

# BUCHFABRPLAN

## Heft 311

Hiezu gehören die Bildfahrpläne 300, 305, 310, 315, 500 und 550

**Gültig vom 9.Dezember 2012 bis  
einschließlich 14.Dezember 2013**

Der Buchfahrplan enthält  
**nP-Fahrpläne**  
der Strecken

**Salzburg - Villach Süd Gvbf - Jesenice  
San Candido/Innichen - Spittal-Millstättersee  
(Klagenfurt - ) Villach Hbf -  
Villach Süd Gvbf - Tarvisio Boscoverde**

**Nur für den Dienstgebrauch**  
**der S-Bahn Salzburg**

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## Vorbemerkungen

### 1. Bestimmungen über örtliche Besonderheiten:

#### a) VzG-Strecke 101, 217 und 21711 für P-Züge:

In Salzburg Hbf bei Einfahrt über Bgl 408 nach Bgl 510 (Bahnsteig 1 b) bzw. bei Einfahrt über Bgl 508 nach Bgl 410 ( Bahnsteig 1a) Metertafeln nicht beachten (Einfahrt über "Mittelweichen").

#### b) VzG-Strecke 222:

##### **Besondere Bremsbestimmungen:**

Es sind die Bestimmungen der DA 15 zur ZSB 32 zu beachten

##### **Lz und rückkehrende Nachschiebe-Tfz im Bf Jesenice:**

Lz und rückkehrende Nachschiebe-Tfz fahren im Bf Jesenice grundsätzlich auf Gleis 9 (Stutzgleis) ein.

Bei jeder Einfahrt auf ein anderes Gleis haben rückkehrende Nachschiebe-Tfz nach dem Ausfahrtsignal der Gegenrichtung anzuhalten! Weiterfahrt als Vershubfahrt.

##### **Bf Jesenice: 1000-Hz-Magnet:**

Bf Jesenice:1000-Hz-Magnet auch bei freizeigendem AS wirksam.

Funkbereiche

Funkbereiche - 1. Fahrdienstleiter

Salzburg Gnigl-Vbf ..... KW-1304  
Salzburg Hbf - Mitte ..... KW-1303  
Salzburg Hbf - Ost ..... KW-1301  
Salzburg Hbf - West ..... KW-1302  
Villach Hbf - Ost ..... KW-1301  
Villach Hbf - West ..... KW-1302  
Villach Süd Gvbf - Bahnhof ..... KW-1305  
Villach Süd Gvbf - Strecke ..... KW-1306

Funkbereiche - 2. Technischer Wagentdienst

Gumern ..... KW-1801  
Jesenice ..... C-29  
Lienz ..... C-14  
Salzburg Gnigl-Vbf ..... KW-1801  
Salzburg Hbf - DB ..... KW-1805  
Tarvisio Boscoverde (GSM-R -I-) ..... KW-1801  
Villach Süd Gvbf-Ausfgr ..... KW-1802  
Villach Süd Gvbf-Einfgr ..... KW-1801

Funkbereiche - 3. Nachschieben

Abzw Str 40701 (in Uz) - San Candido/Innichen ..... C-42  
San Candido/Innichen - Abzw Str 40701 (in Uz) ..... C-42

Funkbereiche - 4. ETCS Level 2

entfällt

Hallein-Salzburg Hbf (in Sb)

BT 408 b

Vmax = 100 km/h  
Bhmax = 68 %

Zug Nr.	Abfahrt	Verkehrt nach		Ankunft	sonstige Besonderheiten
		Muster	Heft Seite		
ATGZ 41832	21.05	4084	48	21.36 <sub>nP</sub>	
ATGZ 41834	19.09	4084	48	19.30 <sub>nP</sub>	

Salzburg Hbf (in Sb)-Hallein

BT 409 b

Vmax = 90 km/h  
Bhmax = 58 %

ATGZ 41833	8.33	4095	98	8.54 <sub>nP</sub>
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Tarvisio Boscoverde-Salzburg Hbf (in Sb)

BT 432 b Tbv-Vf Bh = 69%  
438 a Vf-Gu Z2 Bh = 28%  
437 b Gu Z2-A1 Bh = 70%  
438 a A1-Hg Bh = 68%  
437 b Hg-Lsf Bh = 68%  
438 a Lsf-Swa Bh = 70%  
408 b Swa-Sb Bh = 70%

Vmax = 100 km/h  
Bhmax = 70 %

Zug Nr.	Abfahrt	Verkehrt nach		Ankunft	sonstige Besonderheiten
		Muster	Heft Seite		
KGAG 41836	23.00	4098	121	2.56	nP
KGAG 41838	22.00	4098	121	2.01	nP
KGAG 41846	22.00	4098	121	2.01	nP
TEC 41852	0.07	4098	121	3.58	nP
TEC 41854	0.07	4098	121	3.58	nP
TEC 41856	9.30	4098	121	13.59	nP
TEC 41870	22.50	4098	121	6.30	nP
*) 43250	17.16	4098	121	21.32	*) Von Tbv - Sbm als ROLA nP Von Sbm - Sb als ATGZ nP
*) 43252	22.30	4098	121	2.18	*) Von Tbv - Sbm als ROLA nP Von Sbm - Sb als ATGZ nP
*) 43254	2.05	4098	121	6.20	*) Von Tbv - Sbm als ROLA nP Von Sbm - Sb als ATGZ nP
*) 43256	22.30	4098	121	2.18	*) Von Tbv - Sbm als ROLA nP Von Sbm - Sb als ATGZ nP
ATGZ 43258	14.19	4098	121	18.16	nP

Salzburg Hbf (in Sb)-Tarvisio Boscoverde

BT 408 b Sb-Swa Bh = 70%  
437 b Swa-Ma Bh = 69%  
438 a Ma-Uz Bh = 69%  
437 b Uz-Gu Z2 Bh = 65%  
438 a Gu Z2-Vf Bh = 65%  
432 b Vf-Tbv Bh = 65%

Vmax = 100 km/h  
Bhmax = 70 %

Zug Nr.	Abfahrt	Verkehrt nach		Ankunft	sonstige Besonderheiten
		Muster	Heft Seite		
KGAG 41837	0.24	4099	129	5.17	nP
KGAG 41839	2.50	4099	129	7.01	nP
KGAG 41847	5.45	4099	129	10.25	nP
TEC 41853	0.49	4099	129	5.43	nP
TEC 41855	0.49	4099	129	5.43	nP
TEC 41857	7.42	4099	129	12.22	nP
TEC 41871	23.08	4099	129	3.22	nP
*) 43251	1.22	4099	129	6.12	*) Von Sb - Sbm als ATGZ nP Von Sbm - Tbv als ROLA nP
*) 43253	5.58	4099	129	10.17	*) Von Sb - Sbm als ATGZ nP Von Sbm - Tbv als ROLA nP
*) 43255	10.04	4099	129	14.14	*) Von Sb - Sbm als ATGZ nP Von Sbm - Tbv als ROLA nP
*) 43257	10.04	4099	129	14.14	*) Von Sb - Sbm als ATGZ nP Von Sbm - Tbv als ROLA nP
ATGZ 43259	20.55	4099	129	1.47	nP
ATG 80741	21.25	4099	129	2.32	nP
ATG 80743	9.27	4099	129	13.34	nP

V. Süd Gvbf-Ausfgr (in Vsv)-Salzburg Hbf (in Sb)

BT 433 b Va-Vf Bh = 52%  
438 a Vf-Gu Z2 Bh = 28%  
441 a Gu Z2-Swa Bh = 64%  
409 a Swa-Sb Bh = 64%

Vmax = 100 km/h  
Bhmax = 64 %

Zug Nr.	Abfahrt	Verkehrt nach		Ankunft	sonstige Besonderheiten
		Muster	Heft Seite		
KGAG 41842	3.21	4408	363	8.23	nP
KGAG 41844	7.33	4408	363	11.28	nP
DG 45800	1.54	4408	363	5.19	nP
DG 45808	7.33	4408	363	11.28	nP
DG 45818	21.54	4408	363	1.30	nP

Jesenice-Salzburg Hbf (in Sb)

BT 437 b Js-Vf Bh = 59%  
438 a Vf-Gu Z2 Bh = 28%  
437 b Gu Z2-A1 Bh = 70%  
438 a A1-Hg Bh = 68%  
437 b Hg-Lsf Bh = 68%  
438 a Lsf-Swa Bh = 70%  
408 b Swa-Sb Bh = 70%

Vmax = 100 km/h  
Bhmax = 70 %

TEC	41860	20.08	4370	199	2.05	nP
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Salzburg Hbf (in Sb)-Jesenice

BT 408 b Sb-Swa Bh = 70%  
437 b Swa-Ma Bh = 69%  
438 a Ma-Uz Bh = 69%  
437 b Uz-Gu Z2 Bh = 65%  
438 a Gu Z2-Vf Bh = 70%  
437 b Vf-Js Bh = 70%

Vmax = 100 km/h  
Bhmax = 70 %

Zug Nr.	Abfahrt	Verkehrt nach		Ankunft	sonstige Besonderheiten
		Muster	Heft Seite		
TEC	41861	22.57	4371	208	3.56 nP
GAG	46705	15.30	4371	208	21.50 nP
RID	47879	11.33	4371	208	15.32 nP
ATG	80721	1.13	4371	208	6.22 nP

V. Süd Gvbf-Ausfgr (in Vsv)-Tarvisio Boscoverde

BT 432 b

Vmax = 100 km/h  
Bhmax = 65 %

KGAG	42243	14.03	4379	226	14.25	nP
DG	44229	16.07	4379	226	16.30	nP
ATGZ	45205	12.22	4379	226	12.45	nP
DG	45209	4.35	4379	226	4.58	nP
DG	45241	1.14	4379	226	1.37	nP
ATGZ	45291	19.47	4379	226	20.10	nP
ATGZ	45293	23.15	4379	226	23.38	nP
RID	47223	8.09	4379	226	8.31	nP
LGAG	48201	2.22	4379	226	2.45	nP
RID	48237	21.32	4379	226	21.54	nP

V. Süd Gvbf-Ausfgr (in Vsv)-Jesenice

BT 437 b

Vmax = 100 km/h  
Bhmax = 65 %

Zug Nr.	Abfahrt	Verkehrt nach		Ankunft	sonstige Besonderheiten
		Muster	Heft Seite		
ATGZ 42401	1.00	4375	219	1.41	nP
DG 45411	0.12	4375	219	0.47	nP
DG 45415	5.07	4375	219	5.43	nP
DG 45419	10.56	4375	219	11.32	nP
ATGZ 45423	13.23	4375	219	13.59	nP
DG 45427	17.46	4375	219	18.31	nP
DG 45429	20.26	4375	219	21.12	nP
DG 45441	2.03	4375	219	2.45	nP
DG 45443	8.11	4375	219	9.00	nP
DG 45445	15.15	4375	219	15.51	nP
ATGZ 45447	17.20	4375	219	17.56	nP
DG 45449	23.35	4375	219	0.11	nP
ATGZ 46167	19.54	4375	219	20.45	nP
DG 46177	19.11	4375	219	19.47	nP
ATGZ 46179	19.54	4375	219	20.45	nP
ATGZ 49661	10.07	4375	219	10.44	nP
ATGZ 49671	10.07	4375	219	10.44	nP

Salzburg Hbf (in Sb)-Hallein

BT 408 b

Vmax = 100 km/h  
Bhmax = 70 %

KGAG 42859	1.02	4085	55	1.20	nP
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Tarvisio Boscoverde-V. Süd Gvbf-Einfgr (in Vsv)

BT 432 b

Vmax = 100 km/h  
Bhmax = 69 %

Zug Nr.	Abfahrt	Verkehrt nach		Ankunft	sonstige Besonderheiten
		Muster	Heft Seite		
DG 44230	16.56	4378	225	17.14	nP
DG 44258	4.19	4378	225	4.37	nP
DG 45206	20.00	4378	225	20.18	nP
DG 45210	9.40	4378	225	9.58	nP
DG 45212	13.43	4378	225	14.01	nP
DG 45214	14.32	4378	225	14.50	nP
DG 45216	18.18	4378	225	18.36	nP
DG 45220	13.35	4378	225	13.53	nP
DG 45222	17.56	4378	225	18.14	nP
DG 45224	0.40	4378	225	0.58	nP
GAG 45230	23.23	4378	225	23.41	nP
GAG 45234	21.08	4378	225	21.26	nP
GAG 45238	4.31	4378	225	4.49	nP
DG 45242	22.11	4378	225	22.29	nP
DG 45246	16.40	4378	225	16.58	nP
DG 45254	22.11	4378	225	22.29	nP
DG 45266	18.10	4378	225	18.28	nP
DG 45270	14.44	4378	225	15.02	nP
DG 45274	14.04	4378	225	14.22	nP
ATGZ 45290	15.12	4378	225	15.30	nP
ATGZ 45292	3.58	4378	225	4.17	nP
RID 47220	19.44	4378	225	20.02	nP
GAG 47226	13.17	4378	225	13.35	nP
GAG 47242	5.48	4378	225	6.06	nP
GAG 47246	21.00	4378	225	21.18	nP
RID 47258	13.26	4378	225	13.44	nP
GAG 48200	20.10	4378	225	20.28	nP
GAG 48222	21.20	4378	225	21.38	nP

V. Süd Gvbf-Ausfgr (in Vsv)-Tarvisio Boscoverde

BT 433 b

Vmax = 90 km/h  
Bhmax = 51 %

Zug Nr.	Abfahrt	Verkehrt nach		Ankunft	sonstige Besonderheiten
		Muster	Heft Seite		
DG 45211	8.45	4389	265	9.10	nP
DG 45213	13.01	4389	265	13.25	nP
DG 45215	12.48	4389	265	13.15	nP
DG 45217	17.19	4389	265	17.43	nP
DG 45221	11.49	4389	265	12.14	nP
DG 45223	16.51	4389	265	17.16	nP
DG 45225	23.41	4389	265	0.06	nP
DG 45229	11.15	4389	265	11.40	nP
GAG 45233	13.27	4389	265	13.52	nP
GAG 45237	10.48	4389	265	11.13	nP

V. Süd Gvbf-Ausfgr (in Vsv)-Tarvisio Boscoverde

BT 432 c

Vmax = 100 km/h  
Bhmax = 65 %

DG *)	45245	5.36	4379	226	5.59	nP
	45253	21.04	4379	226	21.27	*) Von Va - Dr als ATGZ nP Von Dr - Tbv als DG nP
DG	45265	23.24	4379	226	23.47	nP
DG	45271	6.17	4379	226	6.40	nP
DG	45273	14.41	4379	226	15.04	nP
GAG	47227	3.41	4379	226	4.04	nP
GAG	47241	21.23	4379	226	21.46	nP
GAG	47245	4.17	4379	226	4.41	nP
GAG	47249	10.41	4379	226	11.04	nP

V. Süd Gvbf-Ausfgr (in Vsv)-Jesenice

BT 437 b

Vmax = 100 km/h  
Bhmax = 65 %

Zug Nr.	Abfahrt	Verkehrt nach		Ankunft	sonstige Besonderheiten
		Muster	Heft Seite		
ATGZ 45403	8.44	4375	219	9.25	nP
ATG 80781	3.44	4375	219	4.20	nP
ATG 80783	7.16	4375	219	7.57	nP
ATG 80785	16.25	4375	219	17.06	nP
ATG 80787	23.13	4375	219	23.49	nP
ATG 80789	1.27	4375	219	2.09	nP
ATG 80791	22.54	4375	219	23.30	nP

Jesenice-V. Süd Gvbf-Einfgr (in Vsv)

BT 437 b

Vmax = 100 km/h  
Bhmax = 68 %

ATGZ	45412	5.31	4374	217	6.16	nP
DG	45414	7.08	4374	217	7.52	nP
DG	45422	14.12	4374	217	14.52	nP
ATGZ	45424	18.55	4374	217	20.24	nP
DG	45426	21.22	4374	217	22.08	nP
DG	45428	1.10	4374	217	1.52	nP
DG	45440	6.08	4374	217	6.55	nP
DG	45442	9.07	4374	217	9.47	nP
DG	45444	12.10	4374	217	12.50	nP
DG	45446	18.33	4374	217	19.42	nP
DG	45448	22.53	4374	217	23.45	nP
ATGZ	49660	2.15	4374	217	3.10	nP
ATGZ	49670	2.15	4374	217	3.10	nP
ATG	80782	9.26	4374	217	10.17	nP

Salzburg Hbf (in Sb)-V. Süd Gvbf-Einfgr (in Vsv)

BT 409 a Sb-Swa Bh = 62%  
441 a Swa-Gu Z2 Bh = 65%  
438 a Gu Z2-Vf Bh = 65%  
432 b Vf-Ve Bh = 65%

Vmax = 100 km/h  
Bhmax = 65 %

Zug Nr.	Abfahrt	Verkehrt nach		Ankunft	sonstige Besonderheiten
		Muster	Heft Seite		
DG 45801	2.25	4409	370	6.04	nP

V. Süd Gvbf-Ausfgr (in Vsv)-Schwarzach-St.Veit

BT 433 b Va-Vf Bh = 52%  
438 a Vf-Gu Z2 Bh = 28%  
441 a Gu Z2-Swa Bh = 64%

Vmax = 100 km/h  
Bhmax = 64 %

DG 45802	1.54	4408	363	4.16	nP
DG 45812	11.54	4408	363	14.08	nP
DG 45814	16.10	4408	363	18.24	nP

Salzburg Hbf (in Sb)-V. Süd Gvbf-Einfgr (in Vsv)

BT 409 b Sb-Swa Bh = 62%  
441 a Swa-Gu Z2 Bh = 65%  
438 a Gu Z2-Vf Bh = 65%  
432 b Vf-Ve Bh = 65%

Vmax = 100 km/h  
Bhmax = 65 %

DG 45809	13.21	4409	370	17.47	nP
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Schwarzach-St.Veit-V. Süd Gvbf-Einfgr (in Vsv)

BT 441 a Swa-Gu Z2 Bh = 65%  
438 a Gu Z2-Vf Bh = 65%  
432 b Vf-Ve Bh = 65%

Vmax = 100 km/h  
Bhmax = 65 %

Zug Nr.	Abfahrt	Verkehrt nach		Ankunft	sonstige Besonderheiten
		Muster	Heft Seite		
DG 45817	22.49	4409	370	0.48	nP
DG 45819	3.07	4409	370	5.12	nP
DG 51549	2.49	4409	370	4.55	nP
DG 54543	17.26	4409	370	19.35	nP
DG 54545	21.19	4409	370	23.08	nP

Jesenice-Salzburg Hbf (in Sb)

BT 437 b Js-Vf Bh = 59%  
438 a Vf-Gu Z2 Bh = 28%  
437 b Gu Z2-A1 Bh = 70%  
438 a A1-Eg Bh = 68%  
437 b Hg-Lsf Bh = 68%  
438 a Lsf-Swa Bh = 70%  
408 a Swa-Sb Bh = 70%

Vmax = 100 km/h  
Bhmax = 70 %

GAG 46372	9.45	4370	199	14.33	nP
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Jesenice-Schwarzach-St.Veit

BT 437 b Js-Vf Bh = 59%  
438 a Vf-Gu Z2 Bh = 28%  
437 b Gu Z2-A1 Bh = 70%  
438 a A1-Hg Bh = 68%  
437 b Hg-Lsf Bh = 68%  
438 a Lsf-Swa Bh = 70%

Vmax = 100 km/h  
Bhmax = 70 %

Zug Nr.	Abfahrt	Verkehrt nach		Ankunft	sonstige Besonderheiten
		Muster	Heft Seite		
GAG 46672	22.12	4370	199	2.21 <sub>nP</sub>	
ATGZ 46676	3.04	4370	199	7.08 <sub>nP</sub>	

Schwarzach-St.Veit-Jesenice

BT 437 b Swa-Ma Bh = 69%  
438 a Ma-Uz Bh = 69%  
437 b Uz-Gu Z2 Bh = 65%  
438 a Gu Z2-Vf Bh = 70%  
437 b Vf-Js Bh = 70%

Vmax = 100 km/h  
Bhmax = 70 %

ATGZ 46675	3.28	4371	208	7.25 <sub>nP</sub>	
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Salzburg Gnigl-Vbf (in Sb)-Tarvisio Boscoverde

BT 408 b Sr-Swa Bh = 70%  
437 b Swa-Ma Bh = 69%  
438 a Ma-Uz Bh = 69%  
437 b Uz-Gu Z2 Bh = 65%  
438 a Gu Z2-Vf Bh = 65%  
432 b Vf-Tbv Bh = 65%

Vmax = 100 km/h  
Bhmax = 70 %

Zug Nr.	Abfahrt	Verkehrt nach		Ankunft	sonstige Besonderheiten
		Muster	Heft Seite		
GAG 47209	14.04	4099	129	0.38 <sub>nP</sub>	
GAG 48165	16.50	4099	129	23.07 <sub>nP</sub>	

Tarvisio Boscoverde-Salzburg Gnigl-Vbf (in Sb)

BT 432 b Tbv-Vf Bh = 69%  
438 a Vf-Gu Z2 Bh = 28%  
437 b Gu Z2-A1 Bh = 70%  
438 a A1-Hg Bh = 68%  
437 b Hg-Lsf Bh = 68%  
438 a Lsf-Swa Bh = 70%  
408 b Swa-Sr Bh = 70%

Vmax = 100 km/h  
Bhmax = 70 %

GAG 47210	2.53	4098	121	7.17 <sub>nP</sub>	
ATG 80798	2.22	4098	121	6.51 <sub>nP</sub>	

Bischofshofen Fbf (in Bo)-Tarvisio Boscoverde

BT 408 b Bob-Swa Bh = 62%  
437 b Swa-Ma Bh = 69%  
438 a Ma-Uz Bh = 69%  
437 b Uz-Gu Z2 Bh = 65%  
438 a Gu Z2-Vf Bh = 65%  
432 b Vf-Tbv Bh = 65%

Vmax = 100 km/h  
Bhmax = 69 %

Zug Nr.	Abfahrt	Verkehrt nach		Ankunft	sonstige Besonderheiten
		Muster	Heft Seite		
GAG	47213	16.09	4099	129	1.56 <sub>inP</sub>

Spittal-Millstättersee-Lienz

BT 631 b

Vmax = 100 km/h  
Bhmax = 67 %

GAG	47700	17.28	6310	455	18.33 <sub>inP</sub>
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Schwarzach-St.Veit-Spittal-Millstättersee

BT 437 b Swa-Ma Bh = 69%  
438 a Ma-Uz Bh = 69%  
437 b Uz-Stt Bh = 65%

Vmax = 100 km/h  
Bhmax = 69 %

GAG	47701	1.35	4085	55	2.43 <sub>inP</sub>
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Spittal-Millstättersee-Schwarzach-St.Veit

BT 441 a

Vmax = 100 km/h  
Bhmax = 64 %

Zug Nr.	Abfahrt	Verkehrt nach		Ankunft	sonstige Besonderheiten
		Muster	Heft Seite		
GAG	47702	19.44	4408	363	21.01 <sub>inP</sub>

Lienz-Spittal-Millstättersee

BT 631 b

Vmax = 100 km/h  
Bhmax = 68 %

GAG	47703	16.40	6311	459	17.39 <sub>inP</sub>
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Salzburg Hbf (in Sb)-Jesenice

BT 409 b Sb-Swa Bh = 62%  
441 a Swa-Gu Z2 Bh = 65%  
438 a Gu Z2-Vf Bh = 65%  
441 a Vf-Js Bh = 65%

Vmax = 100 km/h  
Bhmax = 65 %

GAG	47871	13.21	4415	421	18.54 <sub>inP</sub>
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Jesenice-Salzburg Hbf (in Sb)

BT 440 a Js-Vf Bh = 52%  
438 a Vf-Gu Z2 Bh = 28%  
437 b Gu Z2-Stt Bh = 59%  
440 a Stt-Swa Bh = 55%  
411 a Swa-Sb Bh = 55%

Vmax = 100 km/h  
Bhmax = 59 %

Zug Nr.	Abfahrt	Verkehrt nach		Ankunft	sonstige Besonderheiten
		Muster	Heft Seite		
RID	47878	23.33	4412	395	8.23 nP

Tarvisio Boscoverde-Salzburg Gnigl-Vbf (in Sb)

BT 432 a Tbv-Vf Bh = 69%  
438 a Vf-Gu Z2 Bh = 28%  
437 b Gu Z2-Al Bh = 70%  
438 a Al-Hg Bh = 68%  
437 b Hg-Lsf Bh = 68%  
438 a Lsf-Swa Bh = 70%  
408 b Swa-Sr Bh = 70%

Vmax = 100 km/h  
Bhmax = 70 %

LGAG	48162	20.18	4098	121	23.57 nP
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Tarvisio Boscoverde-Fürnitz (in Vsv)

BT 433 b Tbv-Ve Bh = 58%  
433 b Ve-Fn Bh = 50%

Vmax = 90 km/h  
Bhmax = 58 %

Zug Nr.	Abfahrt	Verkehrt nach		Ankunft	sonstige Besonderheiten
		Muster	Heft Seite		
*)	48238	23.23	6290	443	23.55 *) Von Tbv - Ve als RID nP Von Ve - Fn als ATGZ nP

Jesenice-Salzburg Gnigl-Vbf (in Sb)

BT 440 a Js-Vf Bh = 52%  
438 a Vf-Gu Z2 Bh = 28%  
437 b Gu Z2-Stt Bh = 59%  
440 a Stt-Swa Bh = 55%  
411 a Swa-Sr Bh = 55%

Vmax = 100 km/h  
Bhmax = 59 %

GAG	48400	11.33	4412	395	16.10 nP
GAG	48402	21.00	4412	395	1.14 nP
GAG	48404	2.45	4412	395	7.21 nP
GAG	48414	22.33	4412	395	2.43 nP
GAG	48418	2.15	4412	395	6.48 nP
GAG	48440	17.41	4382	243	22.07 nP
GAG	48442	23.51	4382	243	4.47 nP
GAG	48444	1.54	4382	243	7.49 nP

Salzburg Gnigl-Vbf (in Sb)-Jesenice

BT 409 a Sr-Hl U3 Bh = 58%  
408 a Hl U3-Rf Bh = 57%  
409 a Rf-Bo Bh = 48%  
411 a Bo-Swa Bh = 53%  
437 a Swa-Bs Bh = 53%  
440 a Bs-Stt Bh = 55%  
438 a Stt-Vf Bh = 53%  
440 a Vf-Js Bh = 53%

Vmax = 100 km/h  
Bhmax = 58 %

Zug Nr.	Abfahrt	Verkehrt nach		Ankunft	sonstige Besonderheiten
		Muster	Heft Seite		
LGAG 48401	15.50	4413	404	20.26	nP

Salzburg Gnigl-Vbf (in Sb)-Jesenice

BT 409 a Sr-Hl U3 Bh = 58%  
408 a Hl U3-Rf Bh = 57%  
409 a Rf-Bo Bh = 48%  
411 a Bo-Swa Bh = 53%  
437 a Swa-Bs Bh = 53%  
440 a Bs-Stt Bh = 55%  
438 a Stt-Vf Bh = 51%  
440 a Vf-Js Bh = 53%

Vmax = 100 km/h  
Bhmax = 58 %

LGAG 48403	20.40	4413	404	1.24	nP
GAG 48413	17.16	4413	404	22.29	nP
LGAG 48441	20.49	4413	404	2.28	nP

V. Süd Gvbf-Ausfgr (in Vsv)-Salzburg Gnigl-Vbf (in Sb)

BT 432 b Va-Vf Bh = 66%  
438 a Vf-Gu Z2 Bh = 28%  
437 b Gu Z2-Al Bh = 70%  
438 a Al-Hg Bh = 68%  
437 b Hg-Lsf Bh = 68%  
438 a Lsf-Swa Bh = 70%  
408 b Swa-Sr Bh = 70%

Vmax = 100 km/h  
Bhmax = 70 %

Zug Nr.	Abfahrt	Verkehrt nach		Ankunft	sonstige Besonderheiten
		Muster	Heft Seite		
*) 48570	16.32	4084	48	20.10	*) Von Va - Swa als ATGZ nP Von Swa - Sr als LGAG nP
DG 54854	10.31	4084	48	13.40	nP
DG 54950	2.29	4084	48	5.40	nP
DG 54958	19.40	4084	48	22.42	nP

Jesenice-V. Süd Gvbf-Einfgr (in Vsv)

BT 437 a

Vmax = 100 km/h  
Bhmax = 68 %

ATGZ 49470	13.53	4374	217	14.38	nP
ATGZ 49472	15.21	4374	217	16.01	nP

Salzburg Hbf (in Sb)-Gummern

BT 408 a Sb-Swa Bh = 70%  
437 b Swa-Ma Bh = 69%  
438 a Ma-Uz Bh = 69%  
437 b Uz-Gu Bh = 65%

Vmax = 100 km/h  
Bhmax = 70 %

Zug Nr.	Verkehrt nach			sonstige Besonderheiten
	Abfahrt	Muster	Heft Seite	
GAG 49904	9.53	4085	55	13.37 nP
GAG 49906	9.53	4085	55	13.37 nP

Gummern-Salzburg Hbf (in Sb)

BT 440 a Gu-Swa Bh = 55%  
411 a Swa-Sb Bh = 55%

Vmax = 90 km/h  
Bhmax = 55 %

GAG 49905	15.33	4410	378	19.24 nP
GAG 49907	16.19	4410	378	20.22 nP

V. Süd Gvbf-Ausfgr (in Vsv)-Salzburg Gnigl-Einfgr. (in Sb)

BT 432 b Va-Vf Bh = 66%  
438 a Vf-Gu Z2 Bh = 28%  
437 b Gu Z2-A1 Bh = 70%  
438 a A1-Hg Bh = 68%  
437 b Hg-Lsf Bh = 68%  
438 a Lsf-Swa Bh = 70%  
408 b Swa-Sre Bh = 70%

Vmax = 100 km/h  
Bhmax = 70 %

Zug Nr.	Abfahrt	Verkehrt nach		Ankunft	sonstige Besonderheiten
		Muster	Heft Seite		
DG 51358	19.50	4084	48	22.49 nP	

Salzburg Gnigl-Vbf (in Sb)-V. Süd Gvbf-Einfgr (in Vsv)

BT 408 b Sr-Swa Bh = 70%  
437 b Swa-Ma Bh = 69%  
438 a Ma-Uz Bh = 69%  
437 b Uz-Gu Z2 Bh = 65%  
438 a Gu Z2-Vf Bh = 65%  
432 b Vf-Ve Bh = 65%

Vmax = 100 km/h  
Bhmax = 70 %

DG 51581	2.20	4085	55	5.57 nP
DG 54591	5.22	4085	55	8.33 nP
DG 54599	21.45	4085	55	1.20 nP
ATGZ 57597	22.51	4085	55	2.49 nP
ATG 80761	3.29	4085	55	7.01 nP

V. Süd Gvbf-Ausfgr (in Vsv)-Salzburg Gnigl-Einfgr. (in Sb)

BT 432 b Va-Vf Bh = 66%  
438 a Vf-Gu Z2 Bh = 28%  
437 b Gu Z2-A1 Bh = 70%  
438 a A1-Hg Bh = 68%  
437 b Hg-Lsf Bh = 68%  
438 a Lsf-Swa Bh = 70%  
408 a Swa-Sre Bh = 70%

Vmax = 100 km/h  
Bhmax = 70 %

Zug Nr.	Abfahrt	Verkehrt nach		Ankunft	sonstige Besonderheiten
		Muster	Heft Seite		
DG 54350	1.00	4084		48	4.17 nP
ATG 80708	13.08	4084		48	16.39 nP

V. Süd Gvbf-Ausfgr (in Vsv)-Schwarzach-St.Veit

BT 432 b Va-Vf Bh = 66%  
438 a Vf-Gu Z2 Bh = 28%  
437 b Gu Z2-A1 Bh = 70%  
438 a A1-Hg Bh = 68%  
437 b Hg-Lsf Bh = 68%  
438 a Lsf-Swa Bh = 70%

Vmax = 100 km/h  
Bhmax = 70 %

DG 54452	7.16	4084	48	9.30	nP
DG 54454	14.57	4084	48	17.02	nP
DG 54456	21.18	4084	48	23.20	nP

Salzburg Gnigl-Vbf (in Sb)-V. Süd Gvbf-Einfgr (in Vsv)

BT 408 b Sr-Swa Bh = 70%  
437 b Swa-Ma Bh = 69%  
438 a Ma-Uz Bh = 69%  
437 b Uz-Gu Z2 Bh = 65%  
438 a Gu Z2-Vf Bh = 65%  
432 b Vf-Ve Bh = 65%

Vmax = 100 km/h  
Bhmax = 70 %

Zug Nr.	Abfahrt	Verkehrt nach		Ankunft	sonstige Besonderheiten
		Muster	Heft Seite		
DG 54533	9.18	4085	55	12.37 nP	
DG 54535	13.18	4085	55	16.48 nP	
DG 54537	18.45	4085	55	22.17 nP	
ATG 80745	7.19	4085	55	10.49 nP	

Schwarzach-St.Veit-V. Süd Gvbf-Einfgr (in Vsv)

BT 441 a Swa-Gu Z2 Bh = 65%  
438 a Gu Z2-Vf Bh = 65%  
432 b Vf-Ve Bh = 65%

Vmax = 100 km/h  
Bhmax = 65 %

DG 54539	0.04	4409	370	2.10	nP
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Schwarzach-St.Veit-V. Süd Gvbf-Einfgr (in Vsv)

BT 437 b Swa-Ma Bh = 69%  
438 a Ma-Uz Bh = 69%  
437 a Uz-Gu Z2 Bh = 65%  
438 a Gu Z2-Vf Bh = 65%  
432 a Vf-Ve Bh = 65%

Vmax = 100 km/h  
Bhmax = 69 %

Zug Nr.	Abfahrt	Verkehrt nach		Ankunft	sonstige Besonderheiten
		Muster	Heft Seite		
DG	54541	9.48	4085	55	11.43 <sub>nP</sub>

Salzburg Gnigl-Vbf (in Sb)-V. Süd Gvbf-Einfgr (in Vsv)

BT 409 b Sr-Swa Bh = 62%  
441 a Swa-Gu Z2 Bh = 65%  
438 a Gu Z2-Vf Bh = 65%  
432 b Vf-Ve Bh = 65%

Vmax = 100 km/h  
Bhmax = 65 %

DG	54597	12.48	4409	370	16.28 <sub>nP</sub>
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Salzburg Gnigl-Vbf (in Sb)-Arnoldstein

BT 408 b Sr-Swa Bh = 70%  
437 b Swa-Ma Bh = 69%  
438 a Ma-Uz Bh = 69%  
437 b Uz-Gu Z2 Bh = 65%  
438 a Gu Z2-Vf Bh = 65%  
432 b Vf-Dr Bh = 65%

Vmax = 100 km/h  
Bhmax = 70 %

Zug Nr.	Abfahrt	Verkehrt nach		Ankunft	sonstige Besonderheiten
		Muster	Heft Seite		
ATGZ	61069	17.47	4099	129	0.29 <sub>nP</sub>

Bischofshofen Fbf (in Bo)-Salzburg Hbf (in Sb)

BT 408 b

Vmax = 100 km/h  
Bhmax = 70 %

GAG	61820	1.46	4084	48	2.29 <sub>nP</sub>
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Salzburg Gnigl-Vbf (in Sb)-Hallein

BT 409 b

Vmax = 90 km/h  
Bhmax = 58 %

NG	64340	1.40	4095	98	1.57 <sub>nP</sub>
NG	64342	0.10	4095	98	0.27 <sub>nP</sub>

Hallein-Salzburg Gnigl-Vbf (in Sb)

BT 409 b

Vmax = 90 km/h  
 Bhmax = 59 %

Zug Nr.	Verkehrt nach		Ankunft	sonstige Besonderheiten
	Abfahrt	Muster	Heft Seite	
NG 64347	17.39	4094	91	18.03 <sub>inP</sub>

Hallein-Salzburg Gnigl-Einfgr. (in Sb)

BT 409 d

Vmax = 90 km/h  
 Bhmax = 59 %

NG 64349	19.00	4094	91	19.17 <sub>inP</sub>
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Salzburg Gnigl-Vbf (in Sb)-Schwarzach-St.Veit

BT 409 b

Vmax = 90 km/h  
 Bhmax = 62 %

DG 65300	7.05	4095	98	8.20 <sub>inP</sub>
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Salzburg Gnigl-Vbf (in Sb)-Schwarzach-St.Veit

BT 409 a

Vmax = 90 km/h  
 Bhmax = 62 %

NG 65306	18.40	4095	98	19.43 <sub>inP</sub>
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Salzburg Gnigl-Vbf (in Sb)-Schwarzach-St.Veit

BT 408 b

Vmax = 100 km/h  
 Bhmax = 70 %

Zug Nr.	Abfahrt	Verkehrt nach		Ankunft	sonstige Besonderheiten
		Muster	Heft Seite		
NG 65308	19.16	4085	55	20.14 <sub>inP</sub>	

Schwarzach-St.Veit-Salzburg Gnigl-Einfgr. (in Sb)

BT 409 a

Vmax = 90 km/h  
 Bhmax = 64 %

NG 65309	22.44	4094	91	23.38 <sub>inP</sub>
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Schwarzach-St.Veit-Bischofshofen Fbf (in Bo)

BT 408 a

Vmax = 90 km/h  
 Bhmax = 68 %

NG 65311	5.32	4090	84	5.46 <sub>inP</sub>
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Bischofshofen Fbf (in Bo)-Schwarzach-St.Veit

BT 409 b

Vmax = 90 km/h  
 Bhmax = 62 %

NG 65318	20.14	4095	98	20.29 <sub>inP</sub>
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V. Süd Gvbf-Ausfgr (in Vsv)-Villach Westbf (in Vb)

BT 434 b

Vmax = 60 km/h  
Bhmax = 39 %

Zug Nr.	Abfahrt	Verkehrt nach		Ankunft	sonstige Besonderheiten
		Muster	Heft Seite		
NG 66532	5.13	6330	490	5.24 nP	
ATGZ 66536	13.02	6330	490	13.13 nP	

V. Süd Gvbf-Ausfgr (in Vsv)-Villach Westbf (in Vb)

BT 433 b

Vmax = 90 km/h  
Bhmax = 52 %

NG 66534	8.06	6328	489	8.17 nP	
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Villach Westbf (in Vb)-V. Süd Gvbf-Einfgr (in Vsv)

BT 433 b

Vmax = 90 km/h  
Bhmax = 53 %

ATGZ 66535	11.44	4095	98	11.57 nP	
NG 66537	17.36	6333	493	17.50 nP	

V. Süd Gvbf-Ausfgr (in Vsv)-Villach Hbf-Ostbf (in Vb)

BT 433 b

Vmax = 90 km/h  
Bhmax = 52 %

NG 66540	12.27	6328	489	12.42 nP	
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Villach Hbf-Ostbf (in Vb)-V. Süd Gvbf-Einfgr (in Vsv)

BT 433 b

Vmax = 90 km/h  
Bhmax = 58 %

Zug Nr.	Abfahrt	Verkehrt nach		Ankunft	sonstige Besonderheiten
		Muster	Heft Seite		
NG 66547	19.48	6333	493	20.07 nP	

V. Süd Gvbf-Ausfgr (in Vsv)-Arnoldstein

BT 433 b

Vmax = 90 km/h  
Bhmax = 51 %

NG 66575	12.29	4389	265	12.43 nP	
VG 76573	6.03	4389	265	6.18 nP	

Arnoldstein-V. Süd Gvbf-Einfgr (in Vsv)

BT 433 b

Vmax = 90 km/h  
Bhmax = 55 %

ATGZ 66576	16.49	4388	264	17.00 nP	
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V. Süd Gvbf-Ausfgr (in Vsv)-Lienz

BT 433 b Va-Vf Bh = 52%  
438 a Vf-Stt Bh = 46%  
631 b Stt-Lie Bh = 67%

Vmax = 100 km/h  
Bhmax = 67 %

Zug Nr.	Abfahrt	Verkehrt nach		Ankunft	sonstige Besonderheiten
		Muster	Heft Seite		
NG 67500	3.58	6310	455	5.36 <sub>nP</sub>	
NG 67502	9.06	6310	455	10.47 <sub>nP</sub>	

V. Süd Gvbf-Ausfgr (in Vsv)-Sillian

BT 433 b Va-Vf Bh = 52%  
438 a Vf-Stt Bh = 46%  
631 b Stt-Sil Bh = 68%

Vmax = 100 km/h  
Bhmax = 68 %

NG	67504	9.06	6310	455	11.35 <sub>nP</sub>
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Lienz-Sillian

BT 631 b

Vmax = 100 km/h  
Bhmax = 68 %

NG	67506	11.01	6310	455	11.49 <sub>nP</sub>
VG	77562	6.20	6310	455	6.51 <sub>nP</sub>

Sillian-V. Süd Gvbf-Einfgr (in Vsv)

BT 631 a Sil-Stt Bh = 68%  
437 b Stt-Gu Z2 Bh = 63%  
438 a Gu Z2-Vf Bh = 51%  
433 b Vf-Ve Bh = 53%

Vmax = 100 km/h  
Bhmax = 68 %

Zug Nr.	Abfahrt	Verkehrt nach		Ankunft	sonstige Besonderheiten
		Muster	Heft Seite		
NG 67507	10.25	6311	459	17.43 <sub>nP</sub>	

Lienz-V. Süd Gvbf-Einfgr (in Vsv)

BT 631 b Lie-Stt Bh = 68%  
437 b Stt-Gu Z2 Bh = 63%  
438 a Gu Z2-Vf Bh = 51%  
433 b Vf-Ve Bh = 53%

Vmax = 100 km/h  
Bhmax = 68 %

NG	67509	17.57	6311	459	20.49 <sub>nP</sub>
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V. Süd Gvbf-Ausfgr (in Vsv)-Gummern

BT 433 b Va-Vf Bh = 52%  
438 a Vf-Gu Bh = 46%

Vmax = 90 km/h  
Bhmax = 52 %

NG	68500	2.10	6310	455	2.31 <sub>nP</sub>
NG	68502	7.52	6310	455	8.14 <sub>nP</sub>
NG	68504	13.25	6310	455	13.48 <sub>nP</sub>
NG	68508	19.11	6310	455	19.33 <sub>nP</sub>

Gummern-V. Süd Gvbf-Einfgr (in Vsv)

BT 438 a Gu-Vf Bh = 51%  
433 b Vf-Ve Bh = 53%

Vmax = 90 km/h  
Bhmax = 53 %

Zug Nr.	Abfahrt	Verkehrt nach		Ankunft	sonstige Besonderheiten
		Muster	Heft Seite		
NG 68501	4.09	4095	98	4.35 nP	
NG 68503	10.12	4095	98	10.39 nP	
NG 68505	15.06	4095	98	15.32 nP	
NG 68509	22.19	4095	98	22.45 nP	

V. Süd Gvbf-Ausfgr (in Vsv)-Möllbrücke-Sachsenburg

BT 433 b Va-Vf Bh = 52%  
438 a Vf-Stt Bh = 46%  
632 b Stt-Ssn Bh = 58%

Vmax = 90 km/h  
Bhmax = 58 %

NG	68544	13.08	6320	476	14.04 nP
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Werfen-Hallein

BT 409 d

Vmax = 90 km/h  
Bhmax = 58 %

VG	74353	15.15	4094	91	17.52 nP
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Salzburg Gnigl-Vbf (in Sb)-Golling-Abtenau

BT 409 d

Vmax = 90 km/h  
Bhmax = 58 %

Zug Nr.	Abfahrt	Verkehrt nach		Ankunft	sonstige Besonderheiten
		Muster	Heft Seite		
VG 74354	5.41	4095	98	7.54 nP	

Golling-Abtenau-Hallein

BT 409 d

Vmax = 90 km/h  
Bhmax = 56 %

VG	74355	9.11	4094	91	9.23 nP
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Bad Hofgastein-Schwarzach-St. Veit

BT 439 a

Vmax = 60 km/h  
Bhmax = 51 %

VG	75370	14.01	4390	266	14.22 nP
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Schwarzach-St. Veit-Bad Hofgastein

BT 438 a

Vmax = 90 km/h  
Bhmax = 41 %

VG	75371	13.03	4095	98	13.21 nP
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V. Süd Gvbf-Ausfgr (in Vsv)-Fürnitz (in Vsv)

BT 436 a

Vmax = 40 km/h  
Bhmax = 23 %

Zug Nr.	Abfahrt	Verkehrt nach		Ankunft	sonstige Besonderheiten
		Muster	Heft Seite		
VG 76503	3.31	4361	181	3.38 nP	
VG 76505	4.08	4361	181	4.15 nP	
VG 76509	5.55	4361	181	6.02 nP	
VG 76511	7.06	4361	181	7.13 nP	
ATGZ 76513	10.33	4361	181	10.40 nP	
VG 76515	11.40	4361	181	11.47 nP	
VG 76523	18.15	4361	181	18.22 nP	
VG 76525	21.38	4361	181	21.45 nP	

Fürnitz (in Vsv)-V. Süd Gvbf-Ausfgr (in Vsv)

BT 436 a

Vmax = 40 km/h  
Bhmax = 22 %

ATGZ 76510	6.40	4362	182	6.46 nP
ATGZ 76522	17.48	4362	182	17.55 nP

Fürnitz (in Vsv)-V. Süd Gvbf-Einfgr (in Vsv)

BT 436 a

Vmax = 40 km/h  
Bhmax = 22 %

Zug Nr.	Abfahrt	Verkehrt nach		Ankunft	sonstige Besonderheiten
		Muster	Heft Seite		
VG 76514	12.36	4362	182	12.46 nP	
ATGZ 76516	13.31	4362	182	13.41 nP	
VG 76518	15.41	4362	182	15.51 nP	
VG 76520	17.41	4362	182	17.51 nP	
VG 76524	22.37	4362	182	22.47 nP	

Sillian-Lienz

BT 631 a

Vmax = 100 km/h  
Bhmax = 64 %

VG 77563	12.15	6311	459	12.52 nP
VG 77567	15.25	6311	459	15.57 nP

Spittal-Millstättersee-Möllbrücke-Sachsenburg

BT 633 a

Vmax = 60 km/h  
Bhmax = 27 %

VG 78560	5.45	6332	492	5.59 nP
ATGZ 78562	10.42	6332	492	10.56 nP
VG 78566	12.54	6332	492	13.08 nP
VG 78568	16.52	6332	492	17.06 nP

Möllbrücke-Sachsenburg-Spittal-Millstättersee

BT 633 a

Vmax = 60 km/h  
Bhmax = 29 %

Zug Nr.	Abfahrt	Verkehrt nach		Ankunft	sonstige Besonderheiten
		Muster	Heft Seite		
ATGZ 78561	10.02	6331	491	10.16	nP
VG 78563	10.41	6331	491	10.55	nP
ATGZ 78565	12.24	6331	491	12.38	nP
VG 78567	15.02	6331	491	15.16	nP
VG 78569	18.45	6331	491	18.59	nP

V. Süd Gvbf-Ausfgr (in Vsv)-Salzburg Hbf (in Sb)

BT 432 b Va-Vf Bh = 66%  
438 a Vf-Gu Z2 Bh = 28%  
437 b Gu Z2-Al Bh = 70%  
438 a Al-Hg Bh = 68%  
437 b Hg-Lsf Bh = 68%  
438 a Lsf-Swa Bh = 70%  
408 b Swa-Sb Bh = 70%

Vmax = 100 km/h  
Bhmax = 70 %

ATG 80700	9.25	4084	48	13.21	nP
ATG 80702	23.01	4084	48	3.04	nP
ATG 80704	0.01	4084	48	4.05	nP
ATG 80706	10.00	4084	48	13.25	nP
ATG 80720	8.06	4084	48	11.54	nP

Salzburg Hbf (in Sb)-V. Süd Gvbf-Einfgr (in Vsv)

BT 408 b Sb-Swa Bh = 70%  
437 b Swa-Ma Bh = 69%  
438 a Ma-Uz Bh = 69%  
437 b Uz-Gu Z2 Bh = 65%  
438 a Gu Z2-Vf Bh = 65%  
432 b Vf-Ve Bh = 65%

Vmax = 100 km/h  
Bhmax = 70 %

Zug Nr.	Abfahrt	Verkehrt nach		Ankunft	sonstige Besonderheiten
		Muster	Heft Seite		
ATG 80701	14.15	4085	55	18.07	nP
ATG 80703	11.43	4085	55	15.18	nP
ATG 80709	8.43	4085	55	12.02	nP
ATG 80715	4.30	4085	55	8.27	nP
ATG 80717	5.28	4085	55	9.16	nP

Salzburg Hbf (in Sb)-V. Süd Gvbf-Einfgr (in Vsv)

BT 408 b Sb-Swa Bh = 70%  
437 b Swa-Gu Z2 Bh = 74%  
437 a Gu Z2-Vf Bh = 65%  
432 b Vf-Fn Bh = 65%  
432 a Fn-Ve Bh = 65%

Vmax = 100 km/h  
Bhmax = 74 %

ATG 80705	5.33	4089	76	8.53	nP
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V. Süd Gvbf-Einfgr (in Vsv)-Salzburg Hbf (in Sb)

BT 432 b Ve-Vf Bh = 66%  
437 a Vf-Gu Z2 Bh = 28%  
437 b Gu Z2-Swa Bh = 75%  
408 a Swa-Sb Bh = 70%

Vmax = 100 km/h  
Bhmax = 75 %

Zug Nr.	Abfahrt	Verkehrt nach		Ankunft	sonstige Besonderheiten
		Muster	Heft Seite		
ATG 80710	5.46	4088	69	9.58 <sub>inP</sub>	

Schwarzach-St.Veit-V. Süd Gvbf-Einfgr (in Vsv)

BT 437 b Swa-Ma Bh = 69%  
438 a Ma-Uz Bh = 69%  
437 b Uz-Gu Z2 Bh = 65%  
438 a Gu Z2-Vf Bh = 65%  
432 b Vf-Ve Bh = 65%

Vmax = 100 km/h  
Bhmax = 69 %

ATG 80711	13.31	4085	55	15.33 <sub>inP</sub>	
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V. Süd Gvbf-Ausfgr (in Vsv)-Salzburg Hbf (in Sb)

BT 433 b Va-Vf Bh = 52%  
438 a Vf-Stt Bh = 46%  
437 b Stt-Al Bh = 70%  
438 a Al-Hg Bh = 68%  
437 b Hg-Lsf Bh = 68%  
438 a Lsf-Swa Bh = 70%  
408 b Swa-Sb Bh = 70%

Vmax = 100 km/h  
Bhmax = 70 %

Zug Nr.	Abfahrt	Verkehrt nach		Ankunft	sonstige Besonderheiten
		Muster	Heft Seite		
ATG 80714	11.08	4090	84	14.46 <sub>inP</sub>	

V. Süd Gvbf-Ausfgr (in Vsv)-Salzburg Hbf (in Sb)

BT 432 b Va-Vf Bh = 66%  
438 a Vf-Gu Z2 Bh = 28%  
437 b Gu Z2-Al Bh = 70%  
438 a Al-Hg Bh = 68%  
437 b Hg-Lsf Bh = 68%  
438 a Lsf-Swa Bh = 70%  
408 a Swa-Sb Bh = 70%

Vmax = 100 km/h  
Bhmax = 70 %

ATG 80718	21.08	4084	48	0.45 <sub>inP</sub>	
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Schwarzach-St. Veit-Spittal-Millstättersee

BT 441 a

Vmax = 100 km/h  
 Bhmax = 65 %

Zug Nr.	Abfahrt	Verkehrt nach		Ankunft	sonstige Besonderheiten
		Muster	Heft Seite		
ATG 80727	18.38	4409	370	20.01	<sub>inP</sub>

Salzburg Hbf (in Sb)-V. Süd Gvbf-Einfgr (in Vsv)

BT 409 b Sb-Swa Bh = 62%  
 441 a Swa-Gu Z2 Bh = 65%  
 438 a Gu Z2-Vf Bh = 65%  
 432 b Vf-Ve Bh = 65%

Vmax = 100 km/h  
 Bhmax = 65 %

ATG 80731	16.04	4409	370	20.25	<sub>inP</sub>
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Salzburg Hbf (in Sb)-Tarvisio Boscoverde

BT 408 b Sb-Swa Bh = 70%  
 437 b Swa-Ma Bh = 69%  
 438 a Ma-Uz Bh = 69%  
 437 b Uz-Gu Z2 Bh = 65%  
 438 a Gu Z2-Vf Bh = 65%  
 432 b Vf-Tbv Bh = 65%

Vmax = 100 km/h  
 Bhmax = 70 %

ATG 80735	2.35	4099	129	6.21	<sub>inP</sub>
ATG 80737	18.00	4099	129	22.53	<sub>inP</sub>

Schwarzach-St. Veit-Spittal-Millstättersee

BT 437 a Swa-Bs Bh = 53%  
 440 a Bs-Stt Bh = 55%

Vmax = 100 km/h  
 Bhmax = 55 %

Zug Nr.	Abfahrt	Verkehrt nach		Ankunft	sonstige Besonderheiten
		Muster	Heft Seite		
ATG 80747	23.35	4413	404	0.54	<sub>inP</sub>

Schwarzach-St. Veit-Abzw Gu 2

BT 437 b Swa-Ma Bh = 69%  
 438 a Ma-Uz Bh = 69%  
 437 b Uz-Gu Z2 Bh = 65%

Vmax = 100 km/h <sub>q</sub>  
 Bhmax = 69 % <sub>q</sub>

ATG 80749	0.18	4371	208	2.27	<sub>inP</sub>
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Spittal-Millstättersee-Salzburg Gnigl-Vbf (in Sb)

BT 437 c Stt-Al Bh = 70%  
 438 a Al-Hg Bh = 68%  
 437 c Hg-Lsf Bh = 68%  
 438 a Lsf-Swa Bh = 70%  
 408 b Swa-Sr Bh = 70%

Vmax = 100 km/h  
 Bhmax = 70 %

ATG 80750	5.20	4368	183	7.53	<sub>inP</sub>
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Salzburg Hbf (in Sb)-Tarvisio Boscoverde

BT 408 b Sb-Swa Bh = 70%  
437 c Swa-Ma Bh = 69%  
438 a Ma-Uz Bh = 69%  
437 c Uz-Gu Z2 Bh = 65%  
438 a Gu Z2-Vf Bh = 65%  
432 c Vf-Tbv Bh = 65%

Vmax = 100 km/h  
Bhmax = 70 %

Zug Nr.	Abfahrt	Verkehrt nach		Ankunft	sonstige Besonderheiten
		Muster	Heft Seite		
ATG 80751	18.24	4369	191	23.30	nP
ATG 80755	18.46	4369	191	23.39	nP
ATG 80757	20.00	4369	191	0.06	nP
ATG 80759	3.40	4369	191	7.21	nP

Tarvisio Boscoverde-Salzburg Gnigl-Vbf (in Sb)

BT 432 c Tbv-Vf Bh = 69%  
438 a Vf-Gu Z2 Bh = 28%  
437 c Gu Z2-A1 Bh = 70%  
438 a A1-Hg Bh = 68%  
437 c Hg-Lsf Bh = 68%  
438 a Lsf-Swa Bh = 70%  
408 b Swa-Sr Bh = 70%

Vmax = 100 km/h  
Bhmax = 70 %

ATG 80752	5.17	4368	183	9.10	nP
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Salzburg Gnigl-Vbf (in Sb)-Tarvisio Boscoverde

BT 408 b Sr-Swa Bh = 70%  
437 c Swa-Ma Bh = 69%  
438 a Ma-Uz Bh = 69%  
437 c Uz-Gu Z2 Bh = 65%  
438 a Gu Z2-Vf Bh = 65%  
432 c Vf-Tbv Bh = 65%

Vmax = 100 km/h  
Bhmax = 70 %

Zug Nr.	Abfahrt	Verkehrt nach		Ankunft	sonstige Besonderheiten
		Muster	Heft Seite		
ATG 80753	16.45	4369	191	21.36	nP

Tarvisio Boscoverde-Salzburg Hbf (in Sb)

BT 432 c Tbv-Vf Bh = 69%  
438 a Vf-Gu Z2 Bh = 28%  
437 c Gu Z2-A1 Bh = 70%  
438 a A1-Hg Bh = 68%  
437 c Hg-Lsf Bh = 68%  
438 a Lsf-Swa Bh = 70%  
408 b Swa-Sb Bh = 70%

Vmax = 100 km/h  
Bhmax = 70 %

ATG 80754	5.52	4368	183	10.15	nP
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V. Süd Gvbf-Ausfgr (in Vsv)-Salzburg Gnigl-Vbf (in Sb)

BT 432 b Va-Vf Bh = 66%  
438 a Vf-Gu Z2 Bh = 28%  
437 b Gu Z2-A1 Bh = 70%  
438 a A1-Hg Bh = 68%  
437 b Hg-Lsf Bh = 68%  
438 a Lsf-Swa Bh = 70%  
408 b Swa-Sr Bh = 70%

Vmax = 100 km/h  
Bhmax = 70 %

Zug Nr.	Abfahrt	Verkehrt nach		Ankunft	sonstige Besonderheiten
		Muster	Heft Seite		
ATG 80756	18.04	4084		48 21.53	<sub>inP</sub>

Jesenice-Villach Westbf (in Vb)

BT 440 a

Vmax = 90 km/h  
Bhmax = 52 %

ATG 80758	1.29	4412	395	2.11	<sub>inP</sub>
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Jesenice-V. Süd Gvbf-Einfgr (in Vsv)

BT 437 b

Vmax = 100 km/h  
Bhmax = 68 %

ATG 80780	4.05	4374	217	4.51	<sub>inP</sub>
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Salzburg Gnigl-Vbf (in Sb)-Tarvisio Boscoverde

BT 408 b Sr-Swa Bh = 70%  
437 c Swa-Ma Bh = 69%  
438 a Ma-Uz Bh = 69%  
437 c Uz-Gu Z2 Bh = 65%  
438 a Gu Z2-Vf Bh = 65%  
432 b Vf-Tbv Bh = 65%

Vmax = 100 km/h  
Bhmax = 70 %

Zug Nr.	Abfahrt	Verkehrt nach		Ankunft	sonstige Besonderheiten
		Muster	Heft Seite		
ATG 80799	20.05	4099	129	0.15	<sub>inP</sub>

# Muster 4084<sub>nP</sub>

BT 432 b Va-Vf Bh = 66%  
438 a Vf-Gu Z2 Bh = 28%  
437 b Gu Z2-Al Bh = 70%  
438 a Al-Hg Bh = 68%  
437 b Hg-Lsf Bh = 68%  
438 a Lsf-Swa Bh = 70%  
408 b Swa-Sb Bh = 70%

M 4084						
Vmax = 100 km/h Bhmax = 70% – GSM-R – A –						
4	5	6	1	2	3	2a 1a
			100	3.7 (in Vsv) *Va*	V.S. Gvbf-Ausfgr.	
	0.00			5.5 Km 5.5 = Km 383.6		
		05	100	382.7 (in Vsv) *Vu*	Str. 413 V.S. Gvbf-Auen →	100
				381.7 Villach Warmbad		382.7
				381.2 AB (Awanst)	Villach Warmbad	381.7
		08		379.1 *Vf*	Str. 413-14 V. Westbf (in Vb) →	
			60			379.1
		09		378.3 (in Vb) *Vbd*	V.-Draubücke	
			50	0.9 Km 378.3 = Km 0.9 Km 0.0 = Km 165.6		
	0.12			166.5 Abzw Gu 2		
			90			
				168.8		
			100	169.0 Sbl Gu 1		

# M 4084

– GSM-R – A –						
4	5	6	1	2	3	2a 1a
			100	169.0 Sbl Gu 1		
				171.4 AB (Awanst)		
				171.9		
		0.16	80	172.8 Gummern		
				174.0 Puch		
				174.5		
			100	177.4 Sbl Pf 1		
				177.7 Weißent.-K.		
				178.7 AB (Awanst)		
		23		183.2 Paternion-Feistr.		
				185.7 Markt Paternion		
				187.0 Ferndorf		
				187.1 Sbl Ro 1		
				188.1 AB (Awanst)		
				190.0 Schutzstrecke		
		29		191.7 Rothenthurn		
				196.2 Sbl Stt 1		
				198.4 GPE		
				198.7		
			80			
				199.4		
			70			
				200.1		
	0.36	46	100	80.9 Spittal-Millst.		
				77.9 Sbl Uz 1		
				75.1 Km 75.1 = Km 75.0		
		51		74.4 Abzww Str. 40701 (in Uz)		
				74.0 Pusarnitz-Süd (in Uz)		
		52		74.0 *Uzs*		
		0.53		72.8 Pusarnitz (in Uz)		

M 4084							– GSM-R – A –			
4	5	6	1	2	3		2a	1a		
1.17		0.53	100	72.8	<b>Pusarnitz</b> (in Uz)					
		55		69.4	Mühdorf-Möllbrücke					
		59		69.1	Üst Kl 2					
				67.3	Sbl Kl 1					
		1.05		64.8	<b>Kolbnitz</b>					
				61.7	Sbl Pk 1					
				58.4	<b>Penk</b>					
				58.3	Km 58.3 = Km 57.9					
				55.8	Oberfalkenstein					
				54.5	Sbl Ma 3					
		11		51.7	Üst Ma 2					
				48.9	Sbl Ma 1					
				46.9	Km 46.9 = Km 46.0					
		23		45.9	<b>Mallnitz-Obervell.</b> (in Ma) *Ma*					
		26	80	45.1	<b>Mallnitz-Nord</b> (in Ma) *Mtn*					
		28		43.3	<b>Mallnitz-Hintertal</b> (in Ma) *Mth* Bstg.a.B.					
				43.2						
34			100	42.2	Sbl Bs 4					
				40.7	Sbl Bs 3					
				38.2	Sbl Bs 2					
				36.4	Sbl Bs 1					
				34.2	<b>Böckstein</b>					
				34.1	GPE					
				33.9						
			70							
				30.4	<b>Bad Gastein</b>					
		1.38	60	30.1						

M 4084							– GSM-R – A –			
4	5	6	1	2	3		2a	1a		
		1.38	60	30.1	<b>Bad Gastein</b>					
			70	29.4						
			80	29.1						
		40		27.7	Abzw Al 1					
		43	70	26.1	<b>Angertal</b> Bstg.a.B.					
			65	25.4						
				23.7						
			70	23.6						
		45		22.6	Abzw Hg 1					
			70	22.4	Hst außer Betrieb					
				20.9						
			65							
		48	90	20.8	<b>Bad Hofgastein</b>					
				19.3						
		52	100	18.2	<b>Dorfgastein</b>					
				14.3	Sbl Lof 2					
				11.8	GPE					
			90	11.1						
				10.8						
			90							
		55	80	9.5						
				9.3	Abzw Lof 1					
			70	7.7						
		1.57		7.4	Km 7.4 = Km 7.1					
				6.8	<b>Loif.-Süd</b> (in Lof) *Lsf*					
				6.3						

M 4084							– GSM-R – A –			
4	5	6	1	2	3	2a	1a			
2.04	1.59		90		6.3	Loifarn (in Lof) *Lof* Bstg.a.B.  Sbl Swa 1T PZB 1000 Hz  Schwarzach-St.V.				
					5.4					
					2.4					
					1.4					
					0.7					
	60		66.5	St.Johann i.P.  Sbl Jp 2 Sbl Jp 1  Sbl Bo 3 Üst Bo 2  Mitterberghütten Sbl Bo 1  Bischofshofen Fbf (in Bo) *Bob*  Bischofshofen (in Bo) *Bo* Km 52.0 = Km 51.7  Sbl Rf 2						
	70		64.4							
	90		64.3							
			63.1							
			61.3							
	21				59.2					
					56.9					
					56.8					
			85		55.4					
			70		55.3					
	24				55.1					
					54.8					
			80		53.2					
					52.3					
					52.0					
	27		90		51.2					
					50.5					
			100		50.2					
2.28										

M 4084							– GSM-R – A –			
4	5	6	1	2	3	2a	1a			
		2.33	100	50.2	Werfen			Sbl Rf 2		
			90	47.8				Sbl Rf 1		
				46.6				Pfarrwerfen		
				45.2						
			80	44.5						
			70	44.2				Tenneck (Awanst)		
				42.2				Sbl Gg 5		
				41.5				Sulzau Lst		
				38.7				Üst Gg 4		
				38.6				Sbl Gg 3		
		39		37.1				Üst Gg 2		
				34.5				Sbl Gg 1		
				31.7				AB (Awanst)		
				31.6				Schutzstrecke		
				31.1						
		48	90	29.2	Golling-Abt.					
				28.8				Sbl Hl 5		
				26.2				Kuchl		
				25.6				Kuchl Lst (Awanst)		
				25.2				Sbl Hl 4		
		2.52		24.5				Üst Hl 3		
				22.9				Kuchl Garnei		
				22.4				Sbl Hl 2		
				21.7				Bad Vigaun		
				20.9				Sbl Hl 1		
				20.1			Hallein Burgfried			
				19.4						

M 4084							– GSM-R – A –			
4	5	6	1	2	3	2a	1a			
3.07	2.55	59	100	19.4	Hallein Burgfried					
				17.8	Hallein					
				16.0	Oberalm					
				14.9	Sbl Aj 7					
				14.5	Puch bei Hallein					
				13.8	Sbl Aj 6					
				13.2	Puch Urstein					
				12.2	Üst Aj 5					
				10.3	Sbl Aj 2					
				9.0	Elsbethen					
3.17	3.14		95	8.7	Sbl Aj 1					
				7.9	Salzburg Süd					
				7.8						
				6.6	Salzburg Aigen					
				5.8						
				5.1						
				4.5	Salzburg Parsch					
				3.5	Sb Gnigl-Einfgr.					
				3.1						
				3.0	Salzburg Gnigl (in Sb)					
3.11	3.03		90	2.4	Salzbg. Gnigl-Vbf					
				2.4	(in Sb) *Sf*					
				2.2	GPE					
				2.1	Salzburg Sam (in Sb)					
				1.0	Salzbg.-Mitte (in Sb)					
				1.0	*Sbm*					
				0.0	Salzburg Hbf					
					(in Sb) *Sb*					

# Muster 4085<sub>nP</sub>

BT 408 b Sb-Swa Bh = 70%  
437 b Swa-Ma Bh = 69%  
438 a Ma-Uz Bh = 69%  
437 b Uz-Gu Z2 Bh = 65%  
438 a Gu Z2-Vf Bh = 65%  
432 b Vf-Ve Bh = 65%

M 4085							Vmax = 100 km/h Bhmax = 70% – GSM-R – A –			
4	5	6	1	2	3	2a	1a			
			60	0.0	Salzburg Hbf					
				03	Salzbg.-Mitte (in Sb)					
				2.1	*Sbm*					
				2.4	Salzburg Sam (in Sb)					
				2.4	Salzbg. Gnigl-Vbf					
				3.0	(in Sb) *Sf*					
				3.1	Salzburg Gnigl (in Sb)					
				3.5	Sb Gnigl-Einfgr.					
				4.5	(in Sb) *Sre*					
				5.1	Salzburg Parsch					
			90	5.8	Salzburg Aigen					
				6.6						
				7.9	Salzburg Süd					
				8.6	Sbl Aj 1					
				9.0	Elsbethen					
				10.1	Sbl Aj 2					
				12.2	Üst Aj 5					
				13.2	Puch Urstein					
				13.3	Sbl Aj 6					
				14.5	Puch bei Hallein					

M 4085							- GSM-R - A -		
4	5	6	1	2	3	2a	1a		
			100	14.5 14.8 16.0 17.8	Puch bei Hallein Sbl Aj 7 Oberalm <b>Hallein</b>				
		0.17		19.4 20.0 20.9 21.1 22.4 22.9 24.3	Hallein Burgfried Sbl Hl 1 Bad Vigaun Sbl Hl 2 Kuchl Garnei Üst Hl 3 Sbl Hl 4				
		21		25.2 25.6 26.1 28.0 28.8	Kuchl Lst (Awanst) Kuchl Sbl Hl 5 PZB 1000 Hz <b>Golling-Abt.</b>				
		25		29.2					
			90	31.0 31.1 <b>31.3</b>	Schutzstrecke GPE				
			70	31.6 31.6 34.5 37.0 38.6 38.7 41.4 42.2 <b>44.2</b>	AB (Awanst) Sbl Gg 1 Üst Gg 2 Sbl Gg 3 Üst Gg 4 Sulzau Lst Sbl Gg 5 Tenneck (Awanst)				
		30							
		0.34							

M 4085							- GSM-R - A -		
4	5	6	1	2	3	2a	1a		
				44.2					
			80						
			90	44.5 45.2 46.6 <b>46.7</b>	<b>Werfen</b> Pfarwerfen				
		0.40		47.7 49.6 <b>50.5</b>	Sbl Rf 1 Sbl Rf 2				
			100						
			90	51.2 51.7 52.3					
			80		Km 51.7 = Km 52.0 <b>Bischofshofen</b> (in Bo) *Bo*				
		45		53.2	<b>Bischofshofen Fbf</b> (in Bo) *Bob*				
		46		54.8 54.9 55.3 <b>55.4</b>	Sbl Bo 1 Mitterberghütten				
			70						
			85	56.8 56.9 59.0	Üst Bo 2 Sbl Bo 3				
		49	90	61.3 62.9 64.1 <b>64.4</b>	<b>St.Johann i.P.</b> Sbl Jp 1 Sbl Jp 2				
		52							
			70						
		1.07		0.0	<b>Schwarzach-St.V.</b>				

0.57

M 4085							
- GSM-R - A -							
4	5	6	1	2	3	2a	1a
0.57		1.07		0.0	Schwarzach-St.V.		
			60	0.7			
			90	1.7	Sbl Swa 1T		
			100	2.6			
				5.4	Loifarn (in Lof) *Lof* Bstg.a.B.		
				6.4	GPE		
			70	6.5	Loif.-Süd (in Lof) *Lsf*		
				6.8			
				7.1	Km 7.1 = Km 7.4		
				7.7			
			80	9.3	Abzw Lof 1		
			90	9.5			
				10.8			
			100	11.7	Sbl Lof 2		
				14.3	Dorfgastein		
				17.9	GPE		
24	27	30	90	18.2	Bad Hofgastein		
				19.3			
				22.4	Hst außer Betrieb		
			70	22.6	Abzw Hg 1		
				25.2			
			80	25.4	Angertal Bstg.a.B.		
				27.7	Abzw Al 1		
			70	29.1			
				29.4			

M 4085							
- GSM-R - A -							
4	5	6	1	2	3	2a	1a
1.40		1.36		29.4	Bad Gastein		
			60	30.1			
			70	30.4			
				33.9	Böckstein		
			100	34.2			
				36.1	Sbl Bs 1		
				37.9	Sbl Bs 2		
				40.4	Sbl Bs 3		
				41.9	Sbl Bs 4		
				43.0	GPE		
				43.3	Mallnitz-Hintertal (in Ma) *Mth* Bstg.a.B.		
			80	45.9	Mallnitz-Obervell. (in Ma) *Ma*		
			90	46.0	Km 46.0 = Km 46.9		
				48.7	Sbl Ma 1		
				51.7	Üst Ma 2		
2.13		2.01		52.6			
			85	52.7			
			90	52.7			
				54.2	Sbl Ma 3		
				55.8	Oberfalkenstein		
				57.9	Km 57.9 = Km 58.3		
				58.4	Penk		
				61.6	Sbl Pk 1		
				64.8	Kolbnitz		
				67.1	Sbl Kl 1		
				69.1	Üst Kl 2		

M 4085							
- GSM-R - A -							
4	5	6	1	2	3	2a 1a	
2.22	2.13	16	90	69.1	Üst Kl 2		
			100	69.4	Mühldorf-Möllbrücke		
				72.8	Pusarnitz (in Uz)		
				74.0	Pusarnitz-Süd (in Uz)		
				*Uzs*			
	17		17	74.4	Abzww Str. 40701 (in Uz)		
			75.0	Km 75.0 = Km 75.1			
			77.7	Sbl Uz 1			
			80.8	GPE			
			200.1	Spittal-Millst.			
37		70	199.4				
		80					
		100	198.7	Sbl Stt 1			
		191.7	Rothenthurn				
		190.1	Schutzstrecke				
	43		188.1	188.1	AB (Awanst)		
			187.2	Sbl Ro 1			
			187.0	Ferndorf			
			185.7	Markt Paternion			
			183.2	Paternion-Feistr.			
2.49			178.7	178.7	AB (Awanst)		
			177.7	Weißent.-K.			
			177.5	Sbl Pf 1			
			174.5				
			80	Puch			
				174.0	174.0	Gummern	
				172.8			
				171.9			
				171.4	AB (Awanst)		
				100			

M 4085							– GSM-R – A –		
4	5	6	1	2	3	2a	1a		
			100	171.4	AB (Awanst) Sbl Gu 1  Abzw Gu 2 Km 165.6 = Km 0.0 Km 0.9 = Km 378.3 <b>V-Draubücke</b> (in Vb) *Vbd*				
				169.2					
			90	168.8					
				166.5					
			50	165.6					
				0.9					
				378.3					
				378.5					
			60	378.9					
			90		Str. 413  <b>V. Westbf</b> (in Vb) $\longleftrightarrow$ *Vf*	Str. 413-14	100		
				379.1					
			100						
				380.7					
			95	381.2					
				381.7					
			100						
				382.7	<b>V.S. Gvbf-Auen</b> $\longleftrightarrow$ (in Vsv) *Vu*	Str. 413-19	382.7		
				384.0	<b>Villach Süd Gvbf</b> (in Vsv) *Vsv*	Km 383.6 = Km 5.5	381.7		
					<b>V.S. Gvbf-Ausfgr.</b> (in Vsv) *Va*		3.7		



M 4085						Str. 413 - GSM-R- A -			Str. 413-19 - GSM-R- A -		
4	5	6	1	2	3	2a	1a				
3.11			100		V.S. Gvbf-Ausfgr. (in Vsv) *Va*	3.7	100				
		3.06		386.5	Str. 413-17 Fürnitz (in Vsv) *Fn*						
				387.3	Km 387.3 = Km 0.0						
				2.3	← V.S. Gvbf-Einfgr. → (in Vsv) *Ve*	2.3					

# Muster 4087

nP

BT 408 b Sb-Swa Bh = 70%  
437 b Swa-Ma Bh = 69%  
438 a Ma-Uz Bh = 69%  
437 b Uz-Stt Bh = 65%

M 4087						Vmax = 100 km/h Bhmax = 70% - GSM-R- A -		
4	5	6	1	2	3	4	5	6
0.00	03	05	60	0.0	Salzburg Hbf (in Sb) *Sb*	07	09	100
				1.0	Salzbg.-Mitte (in Sb) *Sbm*			
			90	2.1	Salzburg Sam (in Sb)			
				2.4	Salzbg. Gnigl-Vbf (in Sb) *St*			
				3.0	Salzburg Gnigl (in Sb)			
			95	3.1	Sb Gnigl-Einfgr. (in Sb) *Sre*			
				3.5	Salzburg Parsch			
				4.5	Salzburg Aigen			
			90	5.1				
				5.8				
0.13			100	6.6				
				7.9	Salzburg Süd			
				8.6	Sbl Aj 1			
				9.0	Elsbethen			
				10.1	Sbl Aj 2			
				12.2	Üst Aj 5			
				13.2	Puch Urstein			
				13.3	Sbl Aj 6			
				14.5	Puch bei Hallein			
				14.8	Sbl Aj 7			
				16.0	Oberalm			

M 4087							– GSM-R – A –						
4	5	6	1	2	3		4	5	6				
0.17			100	16.0	Oberalm	21							
				17.8	Hallein								
				19.4	Hallein Burgfried								
				20.0	Sbl HI 1								
				20.9	Bad Vigaun								
				21.1	Sbl HI 2								
				22.4	Kuchl Garnei								
				22.9	Üst HI 3								
				24.3	Sbl HI 4								
				25.2	Kuchl Lst (Awanst)								
				25.6	Kuchl								
				26.1	Sbl HI 5								
				28.0	PZB 1000 Hz								
25			90	28.8	Golling-Abt.	25							
				29.2									
				31.0	Schutzstrecke								
				31.1	GPE								
				31.3									
				31.6	AB (Awanst)								
				31.6	Sbl Gg 1								
				34.5	Üst Gg 2								
				37.0	Sbl Gg 3								
				38.6	Üst Gg 4								
				38.7	Sulzau Lst								
				41.4	Sbl Gg 5								
				42.2	Tenneck (Awanst)								
0.40			80	44.2									
			44.5										
			90	45.2	Werfen								

M 4087							– GSM-R – A –						
4	5	6	1	2	3		4	5	6				
0.40			90	45.2	Werfen	45							
				46.6	Pfarnerfen								
				46.7									
			100	47.7	Sbl Rf 1								
				49.6	Sbl Rf 2								
			90	50.5									
			80	51.2									
				51.7	Km 51.7 = Km 52.0								
			46	52.3	Bischofshofen (in Bo) *Bo*								
				53.2	Bischofshofen Fbf (in Bo) *Bob*								
				54.8									
			70	54.9	Sbl Bo 1	49							
				55.3	Mitterberghütten								
			85	55.4									
			90	56.8									
				56.9	Üst Bo 2								
			52	59.0	Sbl Bo 3								
				61.3	St.Johann i.P.								
				62.9	Sbl Jp 1								
			70	64.1	Sbl Jp 2								
				64.4									
				0.0	Schwarzach-St.V.								
0.57		1.07	60	0.7									
			90	1.7	Sbl Swa 1T								

M 4087						– GSM-R – A –					
4	5	6	1	2	3	4	5	6			
1.14			90	1.7	Sbl Swa 1T						
			100	2.6	Loifarn (in Lof) *Lof* Bstg.a.B.						
				5.4	GPE						
				6.4							
15			70	6.5	Loif.-Süd (in Lof) *Lsf*						
				6.8	Km 7.1 = Km 7.4						
				7.1							
				7.7							
17			80	9.3	Abzw Lof 1						
			90	9.5							
				10.8							
			100	11.7	Sbl Lof 2						
21				14.3	Dorfgastein						
				17.9	GPE						
				18.2							
			90	19.3	Bad Hofgastein						
24				22.4	Hst außer Betrieb						
				22.6	Abzw Hg 1						
			70	25.2							
			80	25.4	Angertal Bstg.a.B.						
30				27.7	Abzw Al 1						
				29.1							
			70	29.4							
			60	30.1	Bad Gastein						
1.36				30.4							

M 4087						– GSM-R – A –					
4	5	6	1	2	3	4	5	6			
1.41		1.47		30.4	Böckstein						
			70	33.9							
			100	34.2							
				36.1	Sbl Bs 1						
				37.9	Sbl Bs 2						
				40.4	Sbl Bs 3						
				41.9	Sbl Bs 4						
				43.0	GPE						
		57		43.3	Mallnitz-Hintertal (in Ma) *Mth* Bstg.a.B.						
			80	45.9	Mallnitz-Obervell. (in Ma) *Ma*						
			90	46.0	Km 46.0 = Km 46.9						
				48.7	Sbl Ma 1						
		2.02		51.7	Üst Ma 2						
			85	52.6							
			90	52.7							
				54.2	Sbl Ma 3						
				55.8	Oberfalkenstein						
				57.9	Km 57.9 = Km 58.3						
				58.4	Penk						
				61.6	Sbl Pk 1						
		11		64.8	Kolbnitz						
				67.1	Sbl Kl 1						
				69.1	Üst Kl 2						
				69.4	Mühdorf-Möllbrücke						
2.17				72.8	Pusarnitz (in Uz)						



M 4088							
- GSM-R - A -							
4	5	6	1	2	3	2a	1a
		0.23			<b>V-Draubücke</b> (in Vb) *Vbd*		
				<b>378.3</b>			
			<b>50</b>	0.9	Km 378.3 = Km 0.9		
					Km 0.0 = Km 165.6		
			26	<b>166.5</b>	Abzw Gu 2		
			<b>90</b>	<b>168.8</b>			
			<b>100</b>	169.0	Sbl Gu 1		
				171.4	AB (Awanst)		
				<b>171.9</b>			
			30	<b>80</b>	<b>Gummern</b>		
		37		172.8			
				174.0	Puch		
				<b>174.5</b>			
			<b>100</b>	177.4	Sbl Pf 1		
				177.7	Weißerst.-K.		
				178.7	AB (Awanst)		
				183.2	<b>Paternion-Feistr.</b>		
				185.7	Markt Paternion		
				187.0	Ferdorf		
				187.1	Sbl Ro 1		
		0.43		188.1	AB (Awanst)		
				190.0	Schutzstrecke		
				191.7	<b>Rothenthurn</b>		
				196.2	Sbl Stt 1		
				198.4	GPE		
				<b>198.7</b>			
			<b>80</b>				
				<b>199.4</b>			
			<b>70</b>				
				<b>200.1</b>			

M 4088							
- GSM-R - A -							
4	5	6	1	2	3	2a	1a
		0.50					
				<b>200.1</b>			
			<b>100</b>	80.9	<b>Spittal-Millst.</b>		
				77.9	Sbl Uz 1		
				75.1	Km 75.1 = Km 75.0		
			05	74.4	Abzww Str. 40701 (in Uz)		
			06		<b>Pusarnitz-Süd</b> (in Uz)		
				74.0	*Uzs*		
			07	72.8	<b>Pusarnitz</b> (in Uz)		
				69.4	Mühldorf-Möllbrücke		
		25	09	69.1	Üst Kl 2		
				67.3	Sbl Kl 1		
			13	64.8	<b>Kolbnitz</b>		
				61.7	Sbl Pk 1		
			19	58.4	<b>Penk</b>		
				58.3	Km 58.3 = Km 57.9		
				55.8	Oberfalkenstein		
				54.5	Sbl Ma 3		
				51.7	Üst Ma 2		
				48.9	Sbl Ma 1		
		1.31		46.9	Km 46.9 = Km 46.0		
				<b>45.9</b>	<b>Mallnitz-Obervell.</b>		
					(in Ma) *Ma*		
				<b>80</b>	<b>Mallnitz-Nord</b> (in Ma)		
				45.1	*Mtn*		
			40		<b>Mallnitz-Hintertal</b>		
			1.42	43.3	(in Ma) *Mtn* Bstg.a.B.		
				<b>43.2</b>			
				42.2	Sbl Bs 4		
				40.7	Sbl Bs 3		
				38.2	Sbl Bs 2		

M 4088							- GSM-R - A -								
4	5	6	1	2	3	2a	1a								
1.48			100	38.2	Sbl Bs 2										
				36.4	Sbl Bs 1										
				34.2	<b>Böckstein</b>										
				34.1	GPE										
			70	33.9	<b>Bad Gastein</b>										
			60	30.4											
				30.1											
				29.4											
			70	29.1											
			80		Abzw Al 1										
					<b>Angertal</b> Bstg.a.B.										
			70	25.4											
2.02			70	22.6	Abzw Hg 1										
				22.4	Hst außer Betrieb										
				20.8	<b>Bad Hofgastein</b>										
			90	19.3	<b>Dorfgastein</b>										
			100	18.2											
				14.3											
				11.8	Sbl Lof 2										
				11.1	GPE										
			90	10.8											
			80	9.5											
				9.3	Abzw Lof 1										
				7.7	<b>Loif.-Süd</b> (in Lof) *Lsf*										
2.11			70	7.4											
				6.8	Km 7.4 = Km 7.1										
			6.3												

M 4088							- GSM-R - A -													
4	5	6	1	2	3	2a	1a													
2.13			95	6.3	Loifarn (in Lof) *Lof* Bstg.a.B.															
				5.4																
				2.6																
				2.4	Sbl Swa 1T															
			90	1.4	PZB 1000 Hz															
			60	0.7	Schwarzach-St.V.															
			70	66.5																
				64.4																
				64.3	Sbl Jp 2															
			35							90	63.1	St.Johann i.P.								
61.3																				
59.2	Sbl Bo 3																			
56.9	Üst Bo 2																			
85	56.8																			
70	55.4																			
	55.3	Mitterberghütten																		
	55.1	Sbl Bo 1																		
80	54.8	Bischofshofen Fbf (in Bo) *Bob*																		
41									80	53.2										
										52.3										
		52.0	Km 52.0 = Km 51.7																	
		51.2	Bischofshofen (in Bo) *Bo*																	
		90							50.5											

M 4088							– GSM-R – A –							
4	5	6	1	2	3	2a	1a							
		2.47		50.5										
			100	Sbl Rf 2										
			90	Sbl Rf 1										
			80	Pfarrwerfen										
				Werfen										
			70	Tenneck (Awanst)										
			53	41.5					Sbl Gg 5					
				38.7					Sulzau Lst					
				38.6					Üst Gg 4					
				37.1					Sbl Gg 3					
		57		34.5	Üst Gg 2									
				31.7	Sbl Gg 1									
				31.6	AB (Awanst)									
				31.3	Schutzstrecke									
				31.1										
				29.2	Golling-Abt.									
				28.8										
			3.02	26.2	Sbl HI 5									
				25.6	Kuchl									
			3.06	25.2	Kuchl Lst (Awanst)									
				24.5	Sbl HI 4									
				22.9	Üst HI 3									
				22.4	Kuchl Garnei									
				21.7	Sbl HI 2									
				20.9	Bad Vigaun									
				20.1	Sbl HI 1									
				19.4	Hallein Burgfried									

M 4088							– GSM-R – A –			
4	5	6	1	2	3	2a	1a			
		3.09	100	19.4						
				17.8						
				16.0						
				14.9						
				14.5						
				13.8						
				13.2						
				12.2						
				10.3						
				9.0						
		13		8.7						
				7.9						
				7.8						
			95	6.6						
			90	5.8						
			100	5.1						
				4.5						
				3.5						
				3.1						
			90	3.0						
				2.4						
				2.2						
			60	2.1						
				1.0						
		3.28		0.0						

# Muster 4089

nP

Muster nur für ROLA

- BT 408 a Sb-Swa
- 437 b Swa-Gu Z2
- 437 a Gu Z2-Vf
- 432 b Vf-Fn
- 432 a Fn-Ve
- Bh = 70%
- Bh = 74%
- Bh = 65%
- Bh = 65%
- Bh = 65%

# M 4089

Vmax = 100 km/h Bhmax = 74% – GSM-R – A –						
4	5	6	1	2	3	2a 1a
0.05	0.00	03	60	0.0	Salzburg Hbf (in Sb) *Sb*	
				1.0	Salzbg.-Mitte (in Sb) *Sbm*	
			90	2.1	Salzburg Sam (in Sb)	
				2.4	Salzbg. Gnigl-Vbf (in Sb) *Sf*	
			95	3.0	Salzburg Gnigl (in Sb)	
				3.1	Sb Gnigl-Einfgr. (in Sb) *Sre*	
			90	4.5	Salzburg Parsch	
				5.1	Salzburg Aigen	
			100	5.8		
				6.6		
0.20		0.20	7.9	Salzburg Süd		
			8.6	Sbl Aj 1		
			9.0	Elsbethen		
			10.1	Sbl Aj 2		
			12.2	Üst Aj 5		
			13.2	Puch Urstein		
	13.3	Sbl Aj 6				
	14.5	Puch bei Hallein				

# M 4089

- GSM-R - A -

4	5	6	1	2	3
0.24		0.24	100	14.5	Puch bei Hallein
				14.8	Sbl Aj 7
				16.0	Oberalm
				17.8	Hallein
				19.4	Hallein Burgfried
				20.0	Sbl Hl 1
				20.9	Bad Vigaun
				21.1	Sbl Hl 2
				22.4	Kuchl Garnei
				22.9	Üst Hl 3
27		27	24.3	Sbl Hl 4	
			25.2	Kuchl Lst (Awanst)	
			25.6	Kuchl	
			26.1	Sbl Hl 5	
			28.0	PZB 1000 Hz	
31		31	28.8	Golling-Abt.	
			29.2		
			31.0	Schutzstrecke	
			31.1	GPE	
			31.3		
36		70	31.6	AB (Awanst)	
			31.6	Sbl Gg 1	
			34.5	Üst Gg 2	
			37.0	Sbl Gg 3	
			38.6	Üst Gg 4	
0.40		0.40	38.7	Sulzau Lst	
			41.4	Sbl Gg 5	
			42.2	Tenneck (Awanst)	
			44.2		



M 4089							- GSM-R - A -			
4	5	6	1	2	3	2a	1a			
1.04		0.46		44.2	Werfen					
			80	44.5						
			90	45.2						
			100	46.6						
				46.7						
				47.7						
				49.6						
				50.5						
			90	51.2						
			80	51.7						
				52.3						
				53.2						
				54.8						
			70	54.9						
			85	55.3						
				55.4						
1.04				56.8	St.Johann i.P.					
			90	56.9						
				59.0						
				61.3						
				62.9						
				64.1						
				64.4						
			70							
				0.0						

M 4089							- GSM-R - A -			
4	5	6	1	2	3	2a	1a			
1.04		1.14		0.0	Schwarzach-St.V.					
			60	0.7						
			90	1.7						
			100	2.6						
				5.4						
				6.4						
				6.5						
			70	6.8						
			24	7.1						
				7.7						
			80	9.3						
			90	9.5						
				10.8						
			100	11.7						
			28	14.3						
				17.9						
1.04		31	90	18.2	Bad Hofgastein					
				19.3						
				22.4						
				22.6						
			70	25.2						
			80	25.4						
			1.40	27.7						
				29.1						
			70	29.4						

M 4089										– GSM-R – A –			
4	5	6	1	2	3	2a	1a						
1.48		1.43		29.4	Bad Gastein								
			60	30.1									
			70	30.4									
			100	33.9									
		54		34.2	Böckstein								
				36.1		Sbl Bs 1							
				37.9		Sbl Bs 2							
				40.4		Sbl Bs 3							
				41.9	Mallnitz-Hintertal (in Ma) *Mth* Bstg.a.B.	Sbl Bs 4							
				43.0		GPE							
2.04		2.04		43.3	Mallnitz-Obervell. (in Ma) *Ma*								
			80	45.9									
		06	95	46.0	Km 46.0 = Km 46.9								
			09		48.7	Sbl Ma 1							
					51.7	Üst Ma 2							
				52.6									
			90	52.7									
			95	54.2	Sbl Ma 3								
		13		55.8	Oberfalkenstein								
				57.9	Km 57.9 = Km 58.3								
17		13		58.4	Penk								
				61.6		Sbl Pk 1							
		17		64.8	Kolbnitz								
				67.1		Sbl Kl 1							
		2.20		69.1		Üst Kl 2							

M 4089										– GSM-R – A –			
4	5	6	1	2	3	2a	1a						
2.20			95	69.1	Üst Kl 2								
				69.4	Mühldorf-Möllbrücke								
				72.8	Pusarnitz (in Uz)								
			100	74.0	Pusarnitz-Süd (in Uz) *Uzs*								
				74.4	Abzww Str. 40701 (in Uz)								
				75.0	Km 75.0 = Km 75.1								
				77.7	Sbl Uz 1								
				80.8	GPE								
				200.1	Spittal-Millst.								
				70									
2.29			80	199.4									
				198.7									
			100	196.3	Sbl Stt 1								
				191.7	Rothenthurn								
				190.1	Schutzstrecke								
				188.1	AB (Awanst)								
				187.2	Sbl Ro 1								
				187.0	Ferndorf								
				185.7	Markt Paternion								
				183.2	Paternion-Feistr.								
2.56				178.7	AB (Awanst)								
				177.7	Weißenst.-K.								
				177.5	Sbl Pf 1								
			174.5										
			80	174.0	Puch								
				172.8	Gummern								
				171.9									
			100	171.4	AB (Awanst)								

M 4089							– GSM-R – A –			
4	5	6	1	2	3	2a	1a			
3.06		3.01	100	171.4	AB (Awanst)					
				169.2	Sbl Gu 1					
			90	168.8						
				166.5	Abzw Gu 2					
			50	165.6	Km 165.6 = Km 0.0					
3.06		04		0.9	Km 0.9 = Km 378.3					
				378.3	V-Draubücke (in Vb) *Vbd*					
				378.5						
			60							
				378.9						
3.06		08	100	379.1	Str. 413 V. Westbf (in Vb) → *Vf*					100
				380.7						
			95	381.2	AB (Awanst)					
				381.7	Villach Warmbad					
			100		Villach Warmbad					
3.06		14		382.7	Str. 413-19 V.S. Gvbf-Auen → (in Vsv) *Vu*					382.7
					Km 383.6 = Km 5.5					
					Villach Süd Gvbf (in Vsv) *Vsv*					
				384.0	V.S. Gvbf-Ausfgr. (in Vsv) *Va*					
3.06		15								3.7
3.06		3.17		386.5	Str. 413-17 Fürnitz (in Vsv) *Fn*					

M 4089							Str. 413-17 – GSM-R – A –				Str. 413-19 – GSM-R – A –			
4	5	6	1	2	3	2a	1a							
3.23		3.17	100	386.5	Fürnberg (in Vsv) *Fn*	2.7	100							
				387.3										
				1.5	Km 387.3 = Km 0.0	← V.S. Gvbf-Einfgr. → (in Vsv) *Ve*	2.3	20						
				2.3										

# Muster 4090<sub>nP</sub>

$$n^p$$

4	5	6	1	2	3	2a	1a
BT 433 b 438 a 437 b 438 a 437 b 438 a 408 b	Va-Vf Vf-Stt Stt-Al Al-Hg Hg-Lsf Lsf-Swa Swa-Sb						
		0.00	90	3.7 (in Vsv) *Va*	<b>V.S. Gvbf-Ausgr.</b>  Km 5.5 = Km 383.6		
		05	90	382.7 (in Vsv) *Vu*	<b>Str. 413</b> ← <b>V.S. Gvbf-Auen</b> → (in Vsv) *Vu*	382.7	90
		08		381.7	Villach Warmbad	381.7	
				381.2	AB (Awanst)		
				<b>Str. 413-14</b> ← <b>V. Westbf</b> (in Vb) → *Vf*		379.1	
			60	<b>379.1</b>			
		10		<b>378.3</b> 0.9	<b>V.-Draubücke</b> (in Vb) *Vbd*		
		0.13	50	166.5	Km 378.3 = Km 0.9 Km 0.0 = Km 165.6 Abzw Gu 2		
			90	169.0	Sbl Gu 1		
				171.4	AB (Awanst)		
				<b>171.9</b>			

# M 4090

**- GSM-R - A -**

4	5	6	1	2	3	2a	1a
0.39		0.18		171.9	Gummern		
			80	172.8		Puch	
				174.0			
			174.5				
			90	177.4		Sbl Pf 1	
				177.7		Weissenst.-K.	
				178.7		AB (Awanst)	
				183.2		Paternion-Feistr.	
				185.7		Markt Paternion	
				187.0		Ferndorf	
				187.1		Sbl Ro 1	
				188.1		AB (Awanst)	
				190.0		Schutzstrecke	
				191.7		Rothenthurn	
		26		196.2	Sbl Stt 1		
				198.4	GPE		
			80	198.7			
				199.4			
			70	200.1			
			90				
			100				
				80.9	Spittal-Millst.		
				77.9	Sbl Uz 1		
				75.1	Km 75.1 = Km 75.0		
				74.4	Abzww Str. 40701 (in Uz)		
					Pusarnitz-Süd (in Uz)		
				74.0	*Uzs*		
					Pusarnitz (in Uz)		
		72.8					
		69.4	Mühldorf-Möllbrücke				

M 4090							
– GSM-R – A –							
4	5	6	1	2	3	2a	1a
1.20			100	69.4	Mühdorf-Möllbrücke		
		0.58		69.1	Üst Kl 2		
		1.02		67.3	Sbl Kl 1		
				64.8	<b>Kolbnitz</b>		
		08		61.7	Sbl Pk 1		
				58.4	<b>Penk</b>		
				58.3	Km 58.3 = Km 57.9		
				55.8	Oberfalkenstein		
		14		54.5	Sbl Ma 3		
				51.7	Üst Ma 2		
				48.9	Sbl Ma 1		
				46.9	Km 46.9 = Km 46.0		
		26		45.9	<b>Mallnitz-Obervell.</b>		
					(in Ma) *Ma*		
		29	80	45.1	<b>Mallnitz-Nord</b>		
					(in Ma) *Mtn*		
		31		43.3	<b>Mallnitz-Hintertal</b>		
					(in Ma) *Mth* Bstg.a.B.		
			100	43.2			
				42.2	Sbl Bs 4		
				40.7	Sbl Bs 3		
				38.2	Sbl Bs 2		
				36.4	Sbl Bs 1		
		37		34.2	<b>Böckstein</b>		
				34.1	GPE		
			70	33.9			
				30.4	<b>Bad Gastein</b>		
		1.41	60	30.1			
				29.4			

M 4090							
– GSM-R – A –							
4	5	6	1	2	3	2a	1a
				29.4			
			70				
		1.43	80	29.1			
				27.7	Abzw Al 1		
		46	70	26.1			
				25.4	<b>Angertal</b>		
				23.7	Bstg.a.B.		
			65				
			70	23.6			
		48		22.6	Abzw Hg 1		
			70	22.4	Hst außer Betrieb		
			65	20.9			
			90	20.8	<b>Bad Hofgastein</b>		
		51		19.3			
			100	18.2			
		55		14.3	<b>Dorfgastein</b>		
				11.8	Sbl Lof 2		
				11.1	GPE		
				10.8			
			90				
		58	80	9.5			
				9.3	Abzw Lof 1		
			70	7.7			
				7.4	Km 7.4 = Km 7.1		
		2.00		6.8	<b>Loif.-Süd</b>		
					(in Lof) *Lsf*		
		2.02	90	6.3	<b>Loifarn</b>		
				5.4	(in Lof)		
					*Lof* Bstg.a.B.		

M 4090									
– GSM-R – A –									
4	5	6	1	2	3	2a	1a		
2.07		2.02	90	5.4	Loifarn (in Lof) *Lof* Bstg.a.B.				
				2.4				Sbl Swa 1T	
				1.4				PZB 1000 Hz	
				0.7					
		60	66.5	Schwarzach-St.V.					
		70	64.4						
		90	64.3			Sbl Jp 2			
		63.1	Sbl Jp 1						
		24	61.3	St.Johann i.P.					
		59.2	Sbl Bo 3						
56.9	Üst Bo 2								
56.8									
			85	55.4					
				70				55.3	Mitterberghütten
				55.1				Sbl Bo 1	
				54.8					
		30	80	53.2	Bischofshofen Fbf (in Bo) *Bob*				
		2.31	52.3	Bischofshofen (in Bo) *Bo*					
			52.0				Km 52.0 = Km 51.7		
			51.2						
				90	50.5				
					50.2				Sbl Rf 2
47.8	Sbl Rf 1								

M 4090						
– GSM-R – A –						
4	5	6	1	2	3	2a
			1a			
2.36				Sbl Rf 1		
			90	Pfarrwerfen		
			46.6	Werfen		
			45.2			
			44.5			
			80			
			44.2			
			42.2	Tenneck (Awanst)		
			41.5	Sbl Gg 5		
			38.7	Sulzau Lst		
42			38.6	Üst Gg 4		
			37.1	Sbl Gg 3		
			34.5	Üst Gg 2		
			31.7	Sbl Gg 1		
			31.6	AB (Awanst)		
46			31.3			
			90	Schutzstrecke		
			31.1			
			29.2			
			28.8	Golling-Abt.		
51			26.2	Sbl HI 5		
			25.6	Kuchl		
			25.2	Kuchl Lst (Awanst)		
			24.5	Sbl HI 4		
			22.9	Üst HI 3		
			22.4	Kuchl Garnei		
			21.7	Sbl HI 2		
			20.9	Bad Vigaun		
			20.1	Sbl HI 1		
			19.4	Hallein Burgfried		
2.58			17.8	Hallein		
			16.0	Oberalm		

M 4090							
– GSM-R – A –							
4	5	6	1	2	3	2a	1a
3.10		3.02	100	16.0	Oberalm		
				14.9	Sbl Aj 7		
				14.5	Puch bei Hallein		
				13.8	Sbl Aj 6		
				13.2	Puch Urstein		
				12.2	Üst Aj 5		
				10.3	Sbl Aj 2		
			95	9.0	Elsbethen		
				8.7	Sbl Aj 1		
				7.9	Salzburg Süd		
3.20		3.17	90	7.8			
				6.6	Salzburg Aigen		
				5.8			
			100	5.1			
				4.5	Salzburg Parsch		
				3.5	Sb Gnigl-Einfgr. (in Sb) *Sre*		
			90	3.1			
				3.0	Salzburg Gnigl (in Sb)		
				2.4	Salzbg. Gnigl-Vbf (in Sb) *St*		
			60	2.2	GPE		

# Muster 4094

nP

BT 433 b Va-Vf Bh = 52%  
438 a Vf-Swa Bh = 70%  
409 b Swa-Sb Bh = 64%

M 4094							
Vmax = 90 km/h Bhmax = 70% – GSM-R – A –							
4	5	6	1	2	3	2a	1a
		0.00	90	3.7 (in Vsv) *Va*	V.S. Gvbf-Ausfgr. Km 5.5 = Km 383.6		
			90	382.7 (in Vsv) *Vu*	Str. 413 V.S. Gvbf-Auen → (in Vsv) *Vt*	382.7	90
				381.7	Villach Warmbad Villach Warmbad	381.7	
				381.2	AB (Awanst) Str. 413-14 V. Westbf (in Vb) → *Vt*		
				379.1		379.1	
		10	60	378.3 (in Vb) *Vbd*	V.-Draubücke Km 378.3 = Km 0.9		
			50	0.9	Km 0.0 = Km 165.6		
				166.5	Abzw Gu 2 Sbl Gu 1 AB (Awanst)		
			90	169.0			
				171.4			
		0.18	80	171.9	Gummern Puch		
				172.8			
				174.0			

M 4094							- GSM-R - A -		
4	5	6	1	2	3	2a	1a		
0.38		0.25	80	174.0	Puch				
			174.5						
			90	177.4	Sbl Pf 1				
			177.7	Weissenst.-K.					
			178.7	AB (Awanst)					
			183.2	Paternion-Feistr.					
			185.7	Markt Paternion					
			187.0	Ferndorf					
			187.1	Sbl Ro 1					
			188.1	AB (Awanst)					
			190.0	Schutzstrecke					
			191.7	Rothenthurn					
			196.2	Sbl Stt 1					
			198.4	GPE					
		31	198.7						
			80						
			199.4						
			70						
			200.1						
			90	80.9				Spittal-Millst.	
			77.9	Sbl Uz 1					
			75.1	Km 75.1 = Km 75.0					
			74.4	Abzwz Str. 40701 (in Uz)					
			74.0	Pusarnitz-Süd (in Uz)					
				*Uzs*					
			72.8	Pusarnitz (in Uz)					
			69.4	Mühdorf-Möllbrücke					
			69.1	Üst Kl 2					
67.3	Sbl Kl 1								

M 4094							- GSM-R - A -			
4	5	6	1	2	3	2a	1a			
1.20		1.02	90	67.3	Sbl Kl 1					
				64.8	Kolbnitz					
				61.7	Sbl Pk 1					
				58.4	Penk					
				58.3	Km 58.3 = Km 57.9					
				55.8	Oberfalkenstein					
				54.5	Sbl Ma 3					
				51.7	Üst Ma 2					
				48.9	Sbl Ma 1					
				46.9	Km 46.9 = Km 46.0					
26			45.9	Mallnitz-Obervell. (in Ma) *Ma*						
29	80	45.1	Mallnitz-Nord (in Ma) *Mtn*							
31		43.3	Mallnitz-Hintertal (in Ma) *Mth* Bstg.a.B.							
	90	43.2								
		42.2	Sbl Bs 4							
		40.7	Sbl Bs 3							
		38.2	Sbl Bs 2							
		36.4	Sbl Bs 1							
38		34.2	Böckstein							
		34.1	GPE							
			33.9							
		70								
1.41		60	30.4	Bad Gastein						
			30.1							
		70	29.4							
			29.1							



M 4094							– GSM-R – A –			
4	5	6	1	2	3	2a	1a			
2.07		1.44		29.1	Abzw AI 1					
			80	27.7						
			70	26.1						
				25.4						
			65	23.7						
			70	23.6						
				22.6						
			49	22.4						
				20.9						
				20.8						
			52	19.3						
			55	14.3						
				11.8						
				11.1						
		59	80	9.5	Abzw Lof 1					
				9.3						
			70	7.7						
				7.4						
			2.01	6.8						
				6.3						
				5.4						
			02	2.4						
				1.4						
				0.7						
2.07		2.17	60	66.5	Schwarzach-St.V.					

M 4094							– GSM-R – A –			
4	5	6	1	2	3	2a	1a			
2.07		2.17		66.5	Schwarzach-St.V.					
			70							
			85	64.4						
				64.3						
			90	63.1						
				61.3						
				59.2						
				56.9						
				56.8						
			85							
			70	55.4						
				55.3						
				55.1						
			75	54.8						
		29		53.2	Bischofshofen Fbf (in Bo) *Bob*					
			80	52.5						
				52.3						
				52.0						
				51.2						
			90	50.2						
				47.8						
				46.6						
				45.2						
				44.5						
		2.35	80		Werfen					
			70	44.2						
				42.2	Tenneck (Awanst) Sbl Gg 5					
				41.5						

M 4094							– GSM-R – A –		
4	5	6	1	2	3	2a	1a		
2.41	45	50	70	41.5	Sbl Gg 5				
				38.7	Sulzau Lst				
				38.6	Üst Gg 4				
				37.1	Sbl Gg 3				
				34.5	Üst Gg 2				
				31.7	Sbl Gg 1				
				31.6	AB (Awanst)				
			90	31.3	Schutzstrecke				
				31.1	Golling-Abt.				
				28.8					
26.2	Sbl HI 5								
25.6	Kuchl								
25.2	Kuchl Lst (Awanst)								
24.5	Sbl HI 4								
22.9	Üst HI 3								
22.4	Kuchl Garnei								
21.7	Sbl HI 2								
20.9	Bad Vigaun								
20.1	Sbl HI 1								
19.4	Hallein Burgfried								
58	3.02		17.8	Hallein					
			16.0	Oberalm					
			14.9	Sbl Aj 7					
			14.5	Puch bei Hallein					
			13.8	Sbl Aj 6					
			13.2	Puch Urstein					
			12.2	Üst Aj 5					
			10.3	Sbl Aj 2					
			9.0	Elsbethen					
			8.7	Sbl Aj 1					

M 4094							– GSM-R – A –		
4	5	6	1	2	3	2a	1a		
3.11	09	3.07	90	8.7	Sbl Aj 1				
				7.9	Salzburg Süd				
				5.8	Salzburg Aigen				
				4.5	Salzburg Parsch				
				3.5	Sb Gnigl-Einfgr. (in Sb) *Sre*				
		14	3.0	Salzburg Gnigl (in Sb)					
			2.4	Salzbg. Gnigl-Vbf (in Sb) *Sr*					
			2.2	GPE					
			2.1	Salzburg Sam (in Sb)					
			1.0	Salzbg.-Mitte (in Sb) *Sbm*					
3.21	3.18	60	0.0	Salzburg Hbf (in Sb) *Sb*					

# Muster 4095<sub>nP</sub>

BT 409 b Sb-Swa Bh = 62%  
438 a Swa-Vf Bh = 69%  
433 b Vf-Ve Bh = 53%

M 4095						
4	5	6	1	2	3	2a 1a
Vmax = 90 km/h Bhmax = 69% – GSM-R – A –						
0.00		04	60	0.0 (in Sb) *Sb*	Salzburg Hbf	
			90	1.0 *Sbm*	Salzbg.-Mitte (in Sb)	
06			90	2.1 Salzburg Sam (in Sb)	Salzbg. Gnigl-Vbf	
				2.4 (in Sb) *Sf*		
09				3.0 Salzburg Gnigl (in Sb)	Sb Gnigl-Einfgr.	
				3.5 (in Sb) *Sre*		
11				4.5 Salzburg Parsch	Salzburg Aigen	
				5.8 Salzburg Süd		
15				7.9 Sbl Aj 1		
				8.6 Elsbethen		
				9.0 Sbl Aj 2		
				10.1 Üst Aj 5		
				12.2 Puch Urstein		
				13.2 Sbl Aj 6		
0.19				13.3 Puch bei Hallein		
				14.5 Sbl Aj 7		
				16.0 Oberalm	Hallein	
				17.8 Hallein Burgfried		
				19.4 Sbl HI 1		
				20.0		

# M 4095

– GSM-R – A –						
4	5	6	1	2	3	2a 1a
		0.23	90	20.0 Sbl HI 1		
				20.9 Bad Vigaun		
				21.1 Sbl HI 2		
				22.4 Kuchl Garnei		
				22.9 Üst HI 3		
				24.3 Sbl HI 4		
				25.2 Kuchl Lst (Awanst)		
				25.6 Kuchl		
				26.1 Sbl HI 5		
				28.0 PZB 1000 Hz		
		27		28.8 Golling-Abt.		
				31.0 Schutzstrecke		
				31.1 GPE		
				31.3		
			70	31.6 AB (Awanst)		
				31.6 Sbl Gg 1		
		32		34.5 Üst Gg 2		
				37.0 Sbl Gg 3		
		36		38.6 Üst Gg 4		
				38.7 Sulzau Lst		
				41.4 Sbl Gg 5		
				42.2 Tenneck (Awanst)		
			80	44.2		
				44.5		
		0.42	90	45.2 Werfen		
				46.6 Pfarrwerfen		
				47.7 Sbl Rf 1		
				49.6 Sbl Rf 2		
				51.2		

M 4095							– GSM-R – A –			
4	5	6	1	2	3	2a	1a			
1.01		0.47	80	51.2 51.7 52.3	Km 51.7 = Km 52.0 <b>Bischofshofen</b> (in Bo) *Bo*					
			70	54.8 54.9 55.3	<b>Bischofshofen Fbf</b> (in Bo) *Bob*					
				55.4		Sbl Bo 1 Mitterberghütten				
		48	85	56.8 56.9	<b>St.Johann i.P.</b> Üst Bo 2 Sbl Bo 3 Sbl Jp 1 Sbl Jp 2					
			90	59.0 61.3 62.9						
			70	64.1 64.4						
		1.11	60	0.0	<b>Schwarzach-St.V.</b>					
			90	0.7 1.7	Sbl Swa 1T <b>Loifarn</b> (in Lof) *Lof* Bstg.a.B.					
			18	70	6.5 6.8 7.1	<b>Loif.-Süd</b> (in Lof) *Lsf* Km 7.1 = Km 7.4				
		7.7								

M 4095							– GSM-R – A –					
4	5	6	1	2	3	2a	1a					
1.45		1.21	80	7.7	Abzw Lof 1							
			90	9.3								
			9.5									
		25		90	11.7	Sbl Lof 2						
				14.3								
				17.9								
		28			19.3	GPE	<b>Dorfgastein</b>					
					22.4							
					22.6							
		31		70	25.2	Hst außer Betrieb	Abzw Hg 1					
25.4												
27.7												
34	37		80	29.1	<b>Angertal</b> Bstg.a.B.							
			70									
			29.4									
40			60	30.1	<b>Bad Gastein</b>							
			70									
			30.4									
1.45		51	90	33.9	<b>Böckstein</b>							
			34.2									
			36.1									
					37.9	Sbl Bs 1						
					40.4							
					41.9							
					43.0	Sbl Bs 2						
					43.3							
		2.01				Sbl Bs 3						
				GPE	<b>Mallnitz-Hintertal</b> (in Ma) *Mth* Bstg.a.B.							

M 4095								– GSM-R – A –		
4	5	6	1	2	3	2a	1a			
		2.01		43.3	Mallnitz-Hintertal (in Ma) *Mth* Bstg.a.B.					
			80							
		03		45.9	Mallnitz-Obervell. (in Ma) *Ma*					
			90	46.0	Km 46.0 = Km 46.9					
				48.7	Sbl Ma 1					
		06		51.7	Üst Ma 2					
			85	52.6						
			90	52.7						
				54.2	Sbl Ma 3					
				55.8	Oberfalkenstein					
				57.9	Km 57.9 = Km 58.3					
		11		58.4	Penk					
				61.6	Sbl Pk 1					
		15		64.8	Kolbnitz					
				67.1	Sbl Kl 1					
		18		69.1	Üst Kl 2					
				69.4	Mühdorf-Möllbrücke					
		21		72.8	Pusarnitz (in Uz)					
		22		74.0	Pusarnitz-Süd (in Uz) *Uzs*					
				74.4	Abzww Str. 40701 (in Uz)					
		22		75.0	Km 75.0 = Km 75.1					
				77.7	Sbl Uz 1					
				80.8	GPE					
		2.33		200.1	Spittal-Millst.					
			70							
				199.4						
2.28										

2.28

M 4095							– GSM-R – A –		
4	5	6	1	2	3	2a	1a		
2.42				199.4	Sbl Stt 1 <b>Rothenthurn</b> Schutzstrecke AB (Awanst) Sbl Ro 1 Ferndorf Markt Paternion <b>Paternion-Feistr.</b> AB (Awanst) Weißenst.-K. Sbl Pf 1  Puch <b>Gummern</b>  AB (Awanst) Sbl Gu 1 Abzw Gu 2 Km 165.6 = Km 0.0 Km 0.9 = Km 378.3 <b>V-Draubücke</b> (in Vb) *Vbd*				
			80						
			90						
			196.3						
			191.7						
			190.1						
			188.1						
			187.2						
			187.0						
			185.7						
48				183.2					
			178.7						
			177.7						
			177.5						
55				174.5					
			80						
			174.0						
			172.8						
3.00				171.9					
			90						
			171.4						
			169.2						
3.03				166.5					
			50						
3.03				165.6					
			0.9						
			378.3						
				378.5					
			60						
				378.9					

# M 4095

- GSM-R - A -

4	5	6	1	2	3	2a	1a
				378.9			
			90		Str. 413 V. Westbf (in Vb) → *Vf*		90
	3.05			379.1		379.1	
				381.2	AB (Awanst)		
				381.7	Villach Warmbad		
					Villach Warmbad	381.7	
					Str. 413-19 V.S. Gvbf-Auen → (in Vsv) *Vu*	382.7	
		10		382.7			
					Km 383.6 = Km 5.5 Villach Süd Gvbf (in Vsv) *Vsv*		
				384.0			
					V.S. Gvbf-Ausfgr. (in Vsv) *Va*	3.7	
					Str. 413-17		
				386.5	Fürnitz (in Vsv) *Fn*		
				387.3	Km 387.3 = Km 0.0		
					V.S. Gvbf-Einfgr. → (in Vsv) *Ve*	2.3	
3.18		3.13					

# Muster 4096<sub>np</sub>

$$n^p$$

BT	432 b	Tbv-Vf	Bh = 69%
	438 a	Vf-Gu Z2	Bh = 28%
	437 b	Gu Z2-A1	Bh = 70%
	438 a	A1-Hg	Bh = 68%
	437 b	Hg-Lsf	Bh = 68%
	438 a	Lsf-Swa	Bh = 70%
	408 b	Swa-Sb	Bh = 70%

# M 4096

M 4096							Vmax = 100 km/h Bhmax = 70%		
4	5	6	1	2	3	2a	1a		
		0.00	100	88.8	<b>Tarvisio</b> <b>Boscoverde</b> – <u>GSM-R– A –</u> Staatsgrenze n. Thörl-M. <b>Thörl-Maglern</b> <b>Arnoldstein</b> Pöckau				
		06 10		94.3 400.2 395.0 392.1					
		14	100	0.0 0.4	<b>Str. 413-18</b> ← <b>V.S. Gvbf-West</b> → (in Vsv) *Vw* Neuhaus a.d.Gail (in Vsv) <b>Fürnitz</b> (in Vsv) *Fn* <b>Villach Süd Gvbf</b> (in Vsv) *Vsv* <b>Str. 413-19</b> <b>V.S. Gvbf-Einfgr.</b> (in Vsv) *Ve* <b>V.S. Gvbf-Ausfgr.</b> (in Vsv) *Va*	389.7 389.3 386.5 384.0	100		
0.18		28		2.3					
0.33		1.00		3.7					
				5.5	Km 5.5 = Km 383.6				

M 4096						Str. 413-19 – GSM-R – A –		Str. 413 – GSM-R – A –	
4	5	6	1	2	3	2a	1a		
1.05			100	5.5	Km 5.5 = Km 383.6	Str. 413-14 V.S. Gvbf-Auen → (in Vsv) *Vu*	100		
				382.7			382.7		
				381.7	Villach Warmbad				
				381.2	AB (Awanst)				
				379.1	Str. 413-14 V. Westbf (in Vb) → *Vf*		381.7		
08							379.1		
-----									
10			60	V.-Draubücke (in Vb) *Vbd*					
				378.3					
			50	0.9	Km 378.3 = Km 0.9				
				Km 0.0 = Km 165.6					
				166.5	Abzw Gu 2				
13									
			90						
				168.8					
			100	169.0	Sbl Gu 1				
				171.4	AB (Awanst)				
				171.9					
17			80	172.8	Gummern				
				174.0	Puch				
				174.5					
			100	177.4	Sbl Pf 1				
				177.7	Weißerst.-K.				
				178.7	AB (Awanst)				
1.24				183.2	Paternion-Feistr.				
				185.7	Markt Paternion				

M 4096								– GSM-R – A –			
4	5	6	1	2	3	2a	1a				
1.37		1.30	100	185.7	Markt Paternion						
				187.0	Ferndorf						
				187.1	Sbl Ro 1						
				188.1	AB (Awanst)						
				190.0	Schutzstrecke						
				191.7	Rothenthurn						
				196.2	Sbl Stt 1						
				198.4	GPE						
				198.7							
				199.4							
47			80		Spittal-Millst.						
			70								
			200.1								
			100	80.9							
			77.9	Sbl Uz 1							
52			75.1	Km 75.1 = Km 75.0							
			74.4	Abzw Str. 40701 (in Uz)							
53				74.0	Pusarnitz-Süd (in Uz)						
54					*Uzs*	Pusarnitz (in Uz)					
			72.8								
56			69.4	Mühldorf-Möllbrücke							
			69.1	Üst Kl 2							
2.00			67.3	Sbl Kl 1							
			64.8	Kolbnitz							
06			61.7	Sbl Pk 1							
			58.4	Penk							
			58.3	Km 58.3 = Km 57.9							
			55.8	Oberfalkenstein							
			54.5	Sbl Ma 3							
			51.7	Üst Ma 2							
2.12											

M 4096							– GSM-R – A –			
4	5	6	1	2	3	2a	1a			
2.18		2.12	100	51.7	Üst Ma 2					
				48.9	Sbl Ma 1					
				46.9	Km 46.9 = Km 46.0					
		24	45.9	Mallnitz-Obervell. (in Ma) *Ma*						
		27	80	45.1	Mallnitz-Nord (in Ma) *Mtn*					
		29	43.3	Mallnitz-Hintertal (in Ma) *Mth* Bstg.a.B.						
		35		43.2	Böckstein					
				42.2						Sbl Bs 4
				40.7						Sbl Bs 3
		38.2	Sbl Bs 2							
39		70	36.4	Sbl Bs 1						
			34.2	GPE						
			34.1							
		33.9	Bad Gastein							
		30.4								
41		60	30.1							
		29.4								
		70								
		29.1	Abzw Al 1							
		27.7								
2.44		26.1	Angertal Bstg.a.B.							
		70								
		25.4								
		23.7								
		23.6								

M 4096							– GSM-R – A –								
4	5	6	1	2	3	2a	1a								
		2.46		23.6											
			70												
			70												
		65													
		20.9													
		20.8													
		49	90	19.3											
				18.2	Bad Hofgastein										
		53	100	14.3	Dorfgastein										
				11.8											
56	80	11.1	Sbl Lof 2												
		10.8	GPE												
58	70	9.5													
		9.3													
7.7															
7.4															
6.8															
6.3															
3.00	90	5.4	Loifarn (in Lof) *Lof* Bstg.a.B.												
		2.4													
		1.4	Sbl Swa 1T												
		0.7	PZB 1000 Hz												
3.05		66.5	Schwarzach-St.V.												
		70													
		90													
		64.3	Sbl Jp 2												



M 4096								– GSM-R – A –		
4	5	6	1	2	3	2a	1a			
			90	64.3	Sbl Jp 2					
				63.1	Sbl Jp 1					
		3.22		61.3	St.Johann i.P.					
				59.2	Sbl Bo 3					
		25		56.9	Üst Bo 2					
			85	56.8						
				55.4						
			70	55.3	Mitterberghütten					
				55.1	Sbl Bo 1					
			80	54.8						
		28		53.2	Bischofshofen Fbf (in Bo) *Bob*					
		29		52.3	Bischofshofen (in Bo) *Bo*					
				52.0	Km 52.0 = Km 51.7					
				51.2						
			90	50.5						
			100	50.2	Sbl Rf 2					
				47.8	Sbl Rf 1					
			90	46.6	Pfarrwerfen					
		34		45.2	Werfen					
				44.5						
			80							
				44.2						
			70	42.2	Tenneck (Awanst)					
				41.5	Sbl Gg 5					
				38.7	Sulzau Lst					
		3.40		38.6	Üst Gg 4					

M 4096								– GSM-R – A –			
4	5	6	1	2	3	2a	1a				
3.40	44	49	70	38.6	Üst Gg 4						
				37.1	Sbl Gg 3						
				34.5	Üst Gg 2						
				31.7	Sbl Gg 1						
				31.6	AB (Awanst)						
				31.3							
				31.1	Schutzstrecke						
				29.2							
				28.8	Golling-Abt.						
				26.2	Sbl HI 5						
53				25.6	Kuchl						
				25.2	Kuchl Lst (Awanst)						
				24.5	Sbl HI 4						
				22.9	Üst HI 3						
				22.4	Kuchl Garnei						
				21.7	Sbl HI 2						
				20.9	Bad Vigaun						
				20.1	Sbl HI 1						
				19.4	Hallein Burgfried						
				17.8	Hallein						
56				16.0	Oberalm						
				14.9	Sbl Aj 7						
				14.5	Puch bei Hallein						
				13.8	Sbl Aj 6						
				13.2	Puch Urstein						
				12.2	Üst Aj 5						
				10.3	Sbl Aj 2						
				9.0	Elsbethen						
				8.7	Sbl Aj 1						
				7.9	Salzburg Süd						
4.00											

# M 4096

- GSM-R-A -

4	5	6	1	2	3	2a	1a
4.08			100	7.9	Salzburg Süd		
			95	7.8	Salzburg Aigen		
			90	6.6	Salzburg Parsch		
			100	5.8	Sb Gnigl-Einfgr.		
				5.1	(in Sb) *Sr*		
				4.5	Salzburg Gnigl (in Sb)		
				3.5	Salzbg. Gnigl-Vbf		
				3.1	(in Sb) *Sr*		
				3.0	GPE		
				2.4	Salzburg Sam (in Sb)		
4.18		4.15	60	2.1	Salzbg.-Mitte (in Sb)		
				1.0	*Sbm*		
				0.0	Salzburg Hbf		

# Muster 4097<sub>np</sub>

$n$

BT	408 b	Sb-Swa	Bh = 70%
	437 b	Swa-Ma	Bh = 69%
	438 a	Ma-Uz	Bh = 69%
	437 b	Uz-Gu Z2	Bh = 65%
	438 a	Gu Z2-Vf	Bh = 65%
	432 b	Vf-Tbv	Bh = 65%

# M 4097

**Vmax = 100 km/h**  
**Bhmax = 70%**  
**- GSM-R - A -**

4	5	6	1	2	3	2a	1a
		0.00	<b>60</b>	0.0	<b>Salzburg Hbf</b> (in Sb) *Sb*		
		04		1.0	<b>Salzbg.-Mitte</b> (in Sb) *Sbm*		
		06	<b>90</b>	<b>2.1</b>	Salzburg Sam (in Sb)		
				2.4	<b>Salzbg. Gnigl-Vbf</b> (in Sb) *Sr*		
				3.0	Salzburg Gnigl (in Sb)		
		08	<b>95</b>	<b>3.1</b>	<b>Sb Gnigl-Einfgr.</b> (in Sb) *Sre*		
				3.5			
				4.5	Salzburg Parsch		
		10	<b>90</b>	<b>5.1</b>	<b>Salzburg Aigen</b>		
				5.8			
			<b>100</b>	<b>6.6</b>			
				7.9	Salzburg Süd		
				8.6	Sbl Aj 1		
				9.0	Elsbethen		
		0.14		10.1	Sbl Aj 2		
				12.2	Üst Aj 5		
				13.2	Puch Urstein		
				13.3	Sbl Aj 6		
				14.5	Puch bei Hallein		

M 4097							– GSM-R – A –		
4	5	6	1	2	3	2a	1a		
0.17			100	14.5	Puch bei Hallein				
				14.8	Sbl Aj 7				
				16.0	Oberalm				
				17.8	Hallein				
				19.4	Hallein Burgfried				
				20.0	Sbl Hl 1				
				20.9	Bad Vigaun				
				21.1	Sbl Hl 2				
				22.4	Kuchl Garnei				
				22.9	Üst Hl 3				
21				24.3	Sbl Hl 4				
				25.2	Kuchl Lst (Awanst)				
				25.6	Kuchl				
				26.1	Sbl Hl 5				
				28.0	PZB 1000 Hz				
25				28.8	Golling-Abt.				
				29.2					
				31.0	Schutzstrecke				
				31.1	GPE				
				31.3					
30				31.6	AB (Awanst)				
				31.6	Sbl Gg 1				
				34.5	Üst Gg 2				
				37.0	Sbl Gg 3				
				38.6	Üst Gg 4				
0.34				38.7	Sulzau Lst				
				41.4	Sbl Gg 5				
				42.2	Tenneck (Awanst)				
				44.2					

M 4097								– GSM-R – A –				
4	5	6	1	2	3	2a	1a					
0.40				44.2	Werfen							
			80									
			90									
			45.2									
			46.6									
			46.7									
			47.7									
			49.6									
			50.5									
			51.2									
45			80	51.7	Km 51.7 = Km 52.0	Bischofshofen (in Bo) *Bo*						
				52.3								
				53.2								
				54.8								
			70	54.9	Sbl Bo 1							
				55.3	Mitterberghütten							
				55.4								
			85	56.8								
			90	56.9								
			49	59.0	Üst Bo 2							
52				61.3	Sbl Bo 3	St.Johann i.P.						
				62.9	Sbl Jp 1							
				64.1	Sbl Jp 2							
			64.4									
			70	0.0								
			0.57						0.0	Schwarzach-St.V.		

M 4097							
– GSM-R – A –							
4	5	6	1	2	3	2a	1a
0.57		1.07		0.0	Schwarzach-St.V.		
			60	0.7			
			90	1.7	Sbl Swa 1T		
			100	2.6	Loifarn (in Lof) *Lof* Bstg.a.B.		
				5.4	GPE		
			70	6.5	Loif.-Süd (in Lof) *Lsf*		
				6.8			
				7.1	Km 7.1 = Km 7.4		
			80	7.7			
				9.3	Abzw Lof 1		
			90	9.5			
				10.8			
			100	11.7	Sbl Lof 2		
				14.3	Dorfgastein		
				17.9	GPE		
24	27	30	90	18.2	Bad Hofgastein		
				19.3			
				22.4	Hst außer Betrieb		
			70	22.6	Abzw Hg 1		
				25.2	Angertal Bstg.a.B.		
			80	25.4			
				27.7	Abzw Al 1		
			70	29.1			
				29.4			

M 4097							
– GSM-R – A –							
4	5	6	1	2	3	2a	1a
1.41		1.36		29.4	Bad Gastein		
			60	30.1			
			70	30.4			
			100	33.9	Böckstein		
				34.2			
				36.1	Sbl Bs 1		
				37.9	Sbl Bs 2		
				40.4	Sbl Bs 3		
				41.9	Sbl Bs 4		
				43.0	GPE		
				43.3	Mallnitz-Hintertal (in Ma) *Mth* Bstg.a.B.		
			80	45.9	Mallnitz-Obervell. (in Ma) *Ma*		
			90	46.0	Km 46.0 = Km 46.9		
				48.7	Sbl Ma 1		
				51.7	Üst Ma 2		
2.14		2.02		52.6			
			85	52.7			
			90	54.2	Sbl Ma 3		
				55.8	Oberfalkenstein		
				57.9	Km 57.9 = Km 58.3		
				58.4	Penk		
				61.6	Sbl Pk 1		
				64.8	Kolbnitz		
				67.1	Sbl Kl 1		
				69.1	Üst Kl 2		

M 4097							– GSM-R – A –			
4	5	6	1	2	3		2a	1a		
2.23		2.14	90	69.1	Üst Kl 2					
		17		69.4	Mühdorf-Möllbrücke					
		18	100	72.8	Pusarnitz (in Uz)					
				74.0	Pusarnitz-Süd (in Uz)					
		18		*Uzs*						
				74.4	Abzwzw Str. 40701 (in Uz)					
				75.0	Km 75.0 = Km 75.1					
				77.7	Sbl Uz 1					
				80.8	GPE					
		30		200.1	Spittal-Millst.					
			70							
				199.4						
			80							
				198.7						
		39	100	196.3	Sbl Stt 1					
				191.7	Rothenthurn					
				190.1	Schutzstrecke					
				188.1	AB (Awanst)					
				187.2	Sbl Ro 1					
				187.0	Ferndorf					
		44		185.7	Markt Paternion					
				183.2	Paternion-Feistr.					
				178.7	AB (Awanst)					
				177.7	Weißenst.-K.					
				177.5	Sbl Pf 1					
			80	174.5						
		2.51		174.0	Puch					
				172.8	Gummern					
				171.9						
			100	171.4	AB (Awanst)					

M 4097							– GSM-R – A –			
4	5	6	1	2	3		2a	1a		
			100	171.4	AB (Awanst)					
				169.2	Sbl Gu 1					
			90	168.8						
		2.56		166.5	Abzw Gu 2					
			50	165.6	Km 165.6 = Km 0.0					
				0.9	Km 0.9 = Km 378.3					
		59		378.3	V-Draubücke (in Vb) *Vbd*					
			60	378.5						
				378.9						
			90		Str. 413					
		3.01		379.1	V. Westbf (in Vb) →					
			100	380.7	*Vf*					
			95	381.2	AB (Awanst)					
			100	381.7	Villach Warmbad					
					Villach Warmbad					
		05		382.7	V.S. Gvbf-Auen →					
					(in Vsv) *Vu*					
		3.06		384.0	Villach Süd Gvbf (in Vsv) *Vsv*					
					Km 383.6 = Km 5.5					
					V.S. Gvbf-Ausfgr. (in Vsv) *Va*					

M 4097						Str. 413 – GSM-R – A –		Str. 413-19 – GSM-R – A –	
4	5	6	1	2	3	2a	1a		
3.13			100		V.S. Gvbf-Ausfgr. (in Vsv) *Va*		100		
		3.08		386.5	Str. 413-17 Fürnitz (in Vsv) *Fn*		3.7		
				387.3	Km 387.3 = Km 0.0				
		18		2.3	Str. 413-15 ← V.S. Gvbf-Einfgr. → (in Vsv) *Ve*	2.3			
22		4.00	100	3.7	V.S. Gvbf-Ausfgr. (in Vsv) *Va*				
		05		5.7	Km 5.7 = Km 385.2				
				386.5	Fürnitz (in Vsv) *Fn*				
				389.3	Neuhaus a.d.Gail (in Vsv)				
		07		389.7	V.S. Gvbf-West (in Vsv) *Vw*				
4.23		11		392.1	Pöckau				
		4.16		395.0	Arnoldstein				
				400.2	Thörl-Maglern				
				401.0	– GSM-R – Ende – Staatsgrenze n. Thörl-M.				
					Tarvisio				
				88.8	Boscoverde				

# Muster 4098

nP

BT 432 b Tbv-Vf Bh = 69%  
438 a Vf-Gu Z2 Bh = 28%  
437 b Gu Z2-AI Bh = 70%  
438 a AI-Hg Bh = 68%  
437 b Hg-Lsf Bh = 68%  
438 a Lsf-Swa Bh = 70%  
408 b Swa-Sb Bh = 70%

# M 4098

Vmax = 100 km/h  
Bhmax = 70%

4	5	6	1	2	3	2a	1a						
			100	88.8	Tarvisio Boscoverde – <u>GSM-R–A</u> – Staatsgrenze n. Thörl-M.								
		0.00		94.3	Thörl-Maglern								
				400.2	Arnoldstein								
				395.0	Pöckau								
			100	389.7	Str. 413 ← V.S. Gvbf-West → (in Vsv) *Vw*	Str. 413-18	100						
		13		389.3	Neuhaus a.d.Gail (in Vsv)								
					Neuhaus a.d.Gail (in Vsv)								
					Km 1.8 = Km 1.2								
		15		386.5	Fürnitz (in Vsv) *Fn*								
					Str. 413-19 V.S. Gvbf-Einfgr. (in Vsv) *Ve*								
					Villach Süd Gvbf (in Vsv) *Vsv*								
		0.16		384.0	V.S. Gvbf-Ausfgr. (in Vsv) *Va*								
					Km 5.5 = Km 383.6								

M 4098						Str. 413 – GSM-R – A –		Str. 413-19 – GSM-R – A –	
4	5	6	1	2	3	2a	1a		
0.21		0.17	100		Km 5.5 = Km 383.6 Str. 413-14 V.S. Gvbf-Auen ← (in Vsv) *Vu* →	5.5	100		
				382.7	Villach Warmbad	382.7			
				381.7	Villach Warmbad	381.7			
				381.2	AB (Awanst)				
				Str. 413-14					
			30	379.1	V. Westbf ← *Vf* →	379.1			
		0.47	60		V-Draubücke (in Vb) *Vbd*				
			33	378.3	Km 378.3 = Km 0.9				
			50	0.9	Km 0.0 = Km 165.6				
			36	166.5	Abzw Gu 2				
			90						
				168.8					
			100	169.0	Sbl Gu 1				
				171.4	AB (Awanst)				
				171.9					
			40	80	172.8	Gummern			
		174.0	Puch						
		174.5							
		100	177.4	Sbl Pf 1					
			177.7	Weißenst.-K.					
			178.7	AB (Awanst)					
			183.2	Paternion-Feistr.					
			185.7	Markt Paternion					

M 4098								– GSM-R – A –			
4	5	6	1	2	3	2a	1a				
1.00		0.53	100	185.7	Markt Paternion						
				187.0	Ferndorf						
				187.1	Sbl Ro 1						
				188.1	AB (Awanst)						
				190.0	Schutzstrecke						
				191.7	Rothenthurn						
				196.2	Sbl Stt 1						
				198.4	GPE						
				198.7							
				80							
1.10			70	199.4							
				200.1							
			100	80.9	Spittal-Millst.						
				77.9	Sbl Uz 1						
				75.1	Km 75.1 = Km 75.0						
				74.4	Abzw Str. 40701 (in Uz)						
				74.0	Pusarnitz-Süd (in Uz)						
					*Uzs*						
				72.8	Pusarnitz (in Uz)						
				69.4	Mühldorf-Möllbrücke						
15			19	69.1	Üst Kl 2						
				67.3	Sbl Kl 1						
			23	64.8	Kolbnitz						
				61.7	Sbl Pk 1						
			29	58.4	Penk						
				58.3	Km 58.3 = Km 57.9						
				55.8	Oberfalkenstein						
				54.5	Sbl Ma 3						
				51.7	Üst Ma 2						
			1.35								

M 4098								– GSM-R – A –			
4	5	6	1	2	3	2a	1a				
1.41		1.35	100	51.7	Üst Ma 2						
				48.9	Sbl Ma 1						
				46.9	Km 46.9 = Km 46.0						
		47	80	45.9	Mallnitz-Obervell. (in Ma) *Ma*						
				45.1	Mallnitz-Nord (in Ma) *Mtn*						
				43.3	Mallnitz-Hintertal (in Ma) *Mth* Bstg.a.B.						
		52	100	43.2	Böckstein						
				42.2	Sbl Bs 4						
				40.7	Sbl Bs 3						
				38.2	Sbl Bs 2						
		58	70	36.4	Sbl Bs 1						
				34.2	Bad Gastein						
				34.1	GPE						
		2.02	60	33.9							
				30.4							
				30.1							
		04	70	29.4							
				29.1							
				27.7	Abzw Al 1						
		2.07	70	26.1	Angertal Bstg.a.B.						
				25.4							
				23.7							
		65	23.6								

M 4098							– GSM-R – A –				
4	5	6	1	2	3	2a	1a				
		2.09	70	23.6	Abzw Hg 1 Hst außer Betrieb						
				22.6							
				22.4							
			65	20.9							
				20.8							
				19.3							
		12	90	18.2							
				14.3							
				11.8							
		16	100	11.1							
				10.8							
				9.5	Bad Hofgastein						
	19	80	9.3								
			7.7								
			7.4								
	21	70	6.8								
			6.3								
			5.4								
	23	90	2.4								
			1.4								
								0.7			
	2.38	60	66.5	Schwarzach-St.V.							
			64.4								
			64.3								
		90									
		90									
		90									



M 4098							– GSM-R – A –			
4	5	6	1	2	3		2a	1a		
			90	64.3	Sbl Jp 2	2.45				
				63.1	Sbl Jp 1					
				61.3	St.Johann i.P.					
				59.2	Sbl Bo 3					
		48		56.9	Üst Bo 2					
			85	56.8						
				55.4						
			70	55.3	Mitterberghütten					
				55.1	Sbl Bo 1					
			80	54.8						
51				53.2	Bischofshofen Fbf (in Bo) *Bob*					
52				52.3	Bischofshofen (in Bo) *Bo*					
				52.0	Km 52.0 = Km 51.7					
				51.2						
			90	50.5						
			100	50.2	Sbl Rf 2					
				47.8	Sbl Rf 1					
			90	46.6	Pfarrwerfen					
57				45.2	Werfen					
			80	44.5						
				44.2						
			70	42.2	Tenneck (Awanst)					
				41.5	Sbl Gg 5					
				38.7	Sulzau Lst					
3.03				38.6	Üst Gg 4					

M 4098							– GSM-R – A –			
4	5	6	1	2	3		2a	1a		
		3.03	70	38.6	Üst Gg 4	07				
				37.1	Sbl Gg 3					
				34.5	Üst Gg 2					
				31.7	Sbl Gg 1					
				31.6	AB (Awanst)					
			31.3							
			90	31.1	Schutzstrecke					
			29.2							
		12	100	28.8	Golling-Abt.					
				26.2	Sbl HI 5					
				25.6	Kuchl					
				25.2	Kuchl Lst (Awanst)					
				24.5	Sbl HI 4					
		16		22.9	Üst HI 3					
				22.4	Kuchl Garnei					
				21.7	Sbl HI 2					
				20.9	Bad Vigaun					
				20.1	Sbl HI 1					
		19		19.4	Hallein Burgfried					
				17.8	Hallein					
				16.0	Oberalm					
				14.9	Sbl Aj 7					
				14.5	Puch bei Hallein					
				13.8	Sbl Aj 6					
				13.2	Puch Urstein					
		3.23		12.2	Üst Aj 5					
				10.3	Sbl Aj 2					
				9.0	Elsbethen					
				8.7	Sbl Aj 1					
				7.9	Salzburg Süd					

# M 4098

- GSM-R - A -

4	5	6	1	2	3	2a	1a
			100	7.9	Salzburg Süd		
			95	7.8			
		3.27	90	6.6	Salzburg Aigen		
			100	5.8			
				5.1			
				4.5	Salzburg Parsch		
		29		3.5	Sb Gnigl-Einfgr. (in Sb) *Sr*		
			90	3.1			
				3.0	Salzburg Gnigl (in Sb)		
3.31		34		2.4	Salzbg. Gnigl-Vbf (in Sb) *Sr*		
				2.2	GPE		
			60	2.1	Salzburg Sam (in Sb)		
		3.38		1.0	Salzbg.-Mitte (in Sb) *Sbm*		
3.41				0.0	Salzburg Hbf (in Sb) *Sb*		

# Muster 4099<sub>np</sub>

$n^p$

BT	408 b	Sb-Swa	Bh = 70%
	437 b	Swa-Ma	Bh = 69%
	438 a	Ma-Uz	Bh = 69%
	437 b	Uz-Gu Z2	Bh = 65%
	438 a	Gu Z2-Vf	Bh = 65%
	432 b	Vf-Tbv	Bh = 65%

# M 4099

**Vmax = 100 km/h**  
**Bhmax = 70%**  
**- GSM-R - A -**

4	5	6	1	2	3	2a	1a
		0.00	60	0.0	<b>Salzburg Hbf</b> (in Sb) *Sb*		
		04		1.0	<b>Salzbg.-Mitte</b> (in Sb) *Sbm*		
		06	90	2.1	Salzburg Sam (in Sb)		
				2.4	<b>Salzbg. Gnigl-Vbf</b> (in Sb) *Sr*		
				3.0	Salzburg Gnigl (in Sb)		
		08	95	3.1	<b>Sb Gnigl-Einfgr.</b> (in Sb) *Sre*		
				3.5			
				4.5	Salzburg Parsch		
		10	90	5.1	<b>Salzburg Aigen</b>		
				5.8			
			100	6.6			
				7.9	Salzburg Süd		
				8.6	Sbl Aj 1		
				9.0	Elsbethen		
		0.14		10.1	Sbl Aj 2		
				12.2	Üst Aj 5		
				13.2	Puch Urstein		
				13.3	Sbl Aj 6		
				14.5	Puch bei Hallein		

M 4099							– GSM-R – A –		
4	5	6	1	2	3	2a	1a		
0.17			100	14.5	Puch bei Hallein				
				14.8	Sbl Aj 7				
				16.0	Oberalm				
				17.8	Hallein				
				19.4	Hallein Burgfried				
				20.0	Sbl Hl 1				
				20.9	Bad Vigaun				
				21.1	Sbl Hl 2				
				22.4	Kuchl Garnei				
				22.9	Üst Hl 3				
21				24.3	Sbl Hl 4				
				25.2	Kuchl Lst (Awanst)				
				25.6	Kuchl				
				26.1	Sbl Hl 5				
				28.0	PZB 1000 Hz				
25				28.8	Golling-Abt.				
				29.2					
				31.0	Schutzstrecke				
				31.1	GPE				
				31.3					
30				31.6	AB (Awanst)				
				31.6	Sbl Gg 1				
				34.5	Üst Gg 2				
				37.0	Sbl Gg 3				
				38.6	Üst Gg 4				
0.34				38.7	Sulzau Lst				
				41.4	Sbl Gg 5				
				42.2	Tenneck (Awanst)				
				44.2					

M 4099							– GSM-R – A –						
4	5	6	1	2	3	2a	1a						
0.40				44.2	Werfen								
			80										
			90										
			45.2										
			46.6										
			46.7										
			47.7										
			49.6										
			50.5										
			51.2										
51.7													
45			80	Km 51.7 = Km 52.0									
			Bischofshofen (in Bo)										
			52.3	*Bo*									
			Bischofshofen Fbf										
			53.2	(in Bo) *Bob*									
46				54.8									
			70										
			54.9										
			55.3										
			55.4										
49			85	56.8									
			90										
			56.9										
			59.0										
			61.3										
52				62.9									
			64.1										
			64.4										
			0.0										
			Schwarzach-St.V.										
0.57			70	1.07									

M 4099							
– GSM-R – A –							
4	5	6	1	2	3	2a	1a
0.57		1.07		0.0	Schwarzach-St.V.		
			60	0.7			
			90	1.7	Sbl Swa 1T		
			100	2.6	Loifarn (in Lof) *Lof* Bstg.a.B.		
				5.4	GPE		
			70	6.5	Loif.-Süd (in Lof) *Lsf*		
				6.8			
				7.1	Km 7.1 = Km 7.4		
			80	7.7			
				9.3	Abzw Lof 1		
			90	9.5			
				10.8			
			100	11.7	Sbl Lof 2		
				14.3	Dorfgastein		
				17.9	GPE		
24	27	30	90	18.2	Bad Hofgastein		
				19.3			
				22.4	Hst außer Betrieb		
			70	22.6	Abzw Hg 1		
				25.2	Angertal Bstg.a.B.		
			80	25.4			
				27.7	Abzw Al 1		
			29.1	29.1			
			70				
				29.4			

M 4099							
– GSM-R – A –							
4	5	6	1	2	3	2a	1a
1.41		1.36		29.4	Bad Gastein		
			60	30.1			
			70	30.4			
				33.9	Böckstein		
			100	34.2			
				36.1	Sbl Bs 1		
				37.9	Sbl Bs 2		
				40.4	Sbl Bs 3		
				41.9	Sbl Bs 4		
				43.0	GPE		
				43.3	Mallnitz-Hintertal (in Ma) *Mth* Bstg.a.B.		
			80	45.9	Mallnitz-Obervell. (in Ma) *Ma*		
				46.0	Km 46.0 = Km 46.9		
			90	48.7	Sbl Ma 1		
				51.7	Üst Ma 2		
2.15		2.02		52.6			
			85	52.7			
			90	54.2	Sbl Ma 3		
				55.8	Oberfalkenstein		
				57.9	Km 57.9 = Km 58.3		
				58.4	Penk		
				61.6	Sbl Pk 1		
				64.8	Kolbnitz		
				67.1	Sbl Kl 1		
				69.1	Üst Kl 2		

M 4099							– GSM-R – A –			
4	5	6	1	2	3		2a	1a		
2.24		2.15	90	69.1	Üst Kl 2					
		17		69.4	Mühldorf-Möllbrücke					
		18	100	72.8	Pusarnitz (in Uz)					
				74.0	Pusarnitz-Süd (in Uz)					
		19		*Uzs*						
				74.4	Abzwzw Str. 40701 (in Uz)					
				75.0	Km 75.0 = Km 75.1					
				77.7	Sbl Uz 1					
				80.8	GPE					
		30		200.1	Spittal-Millst.					
			70							
				199.4						
			80							
				198.7						
		39	100	196.3	Sbl Stt 1					
				191.7	Rothenthurn					
				190.1	Schutzstrecke					
				188.1	AB (Awanst)					
				187.2	Sbl Ro 1					
				187.0	Ferndorf					
				185.7	Markt Paternion					
		44		183.2	Paternion-Feistr.					
				178.7	AB (Awanst)					
				177.7	Weißerst.-K.					
				177.5	Sbl Pf 1					
				174.5						
			80		Puch					
		2.51		174.0	Gummern					
				172.8						
				171.9						
			100	171.4	AB (Awanst)					

M 4099							– GSM-R – A –			
4	5	6	1	2	3		2a	1a		
3.01			100	171.4	AB (Awanst)					
				169.2	Sbl Gu 1					
			90	168.8						
				166.5	Abzw Gu 2					
		2.56	50	165.6	Km 165.6 = Km 0.0					
				0.9	Km 0.9 = Km 378.3					
				378.3	V-Draubücke (in Vb) *Vbd*					
				378.5						
			60							
				378.9						
			90		Str. 413					
					Str. 413-14					
					V. Westbf (in Vb) →					
		3.16		379.1	*Vf*					
			100							
				380.7	AB (Awanst)					
			95	381.2	Villach Warmbad					
				381.7						
			100		Villach Warmbad					
					Str. 413-19					
					V.S. Gvbf-Auen →					
					(in Vsv) *Vu*					
		21		382.7						
					Km 383.6 = Km 5.5					
					Villach Süd Gvbf (in Vsv) *Vsv*					
					V.S. Gvbf-Ausfgr. (in Vsv) *Va*					
		3.22		384.0						

M 4099				Str. 413 – GSM-R– A –		Str. 413-19 – GSM-R– A –	
4	5	6	1	2	3	2a	1a
			100		V.S. Gvbf-Ausfgr. (in Vsv) *Va*	3.7	100
		3.24		386.5	Fürnitz (in Vsv) *Fn*  Str. 413-18 V.S. Gvbf-Einfgr. (in Vsv) *Ve*	2.3	
				389.3	Neuhaus a.d.Gail (in Vsv)  Km 1.2 = Km 1.8	0.4	
		26		389.7	Neuhaus a.d.Gail (in Vsv) ← V.S. Gvbf-West → (in Vsv) *Vw*	389.7	
			100	392.1	Pöckau		
		30		395.0	Arnoldstein		
		3.35		400.2	Thörl-Maglern – GSM-R– Ende –		
				401.0	Staatsgrenze n. Thörl-M.		
3.42				88.8	Tarvisio Boscoverde		

# Muster 4120<sub>nP</sub>

Muster für nP-Züge mit Vmax = 120 km/h

BT 431 b Tbv-Vf Bh = 98%  
497 b Vf-Swa Bh = 93%  
412 b Swa-Sb Bh = 96%

M 4120							Vmax = 120 km/h Bhmax = 98%	
4	5	6	1	2	3	2a	1a	
		0.00	100	88.8	Tarvisio Boscoverde – <u>GSM-R– A –</u> Staatsgrenze n. Thörl-M.			
		05		94.3	Thörl-Maglern			
		09		400.2	Arnoldstein			
				395.0				
				393.9				
			120	392.1	Pöckau			
		12	120	389.7	Str. 413 ← V.S. Gvbf-West → (in Vsv) *Vw*	0.0	120	
				389.3	Neuhaus a.d.Gail (in Vsv)	0.4		
				388.0	Neuhaus a.d.Gail (in Vsv)	0.8	100	
		14	100	386.5	Fürnitz (in Vsv) *Fn* Km 1.8 = Km 1.2			
					Str. 413-19 V.S. Gvbf-Einfgr. (in Vsv) *Ve*	2.3		
		0.15		384.0	Villach Süd Gvbf (in Vsv) *Vsv*			
					V.S. Gvbf-Ausfgr. (in Vsv) *Va*	3.7		
					Km 5.5 = Km 383.6	5.5		

M 4120								Str. 413 - GSM-R-A -		Str. 413-19 - GSM-R-A -	
4	5	6	1	2	3	2a	1a				
			100		Km 5.5 = Km 383.6 <b>Str. 413-14</b> ←— <b>V.S. Gvbf-Auen</b> → (in Vsv) *Vu*	5.5	100				
		0.16		382.7							
				381.7	Villach Warmbad						
				381.2	AB (Awanst)						
				<b>Str. 413-14</b>							
				←— <b>V. Westbf</b> → (in Vb) *Vf*							
0.20		29		379.1			379.1				
			60		<b>V-Draubücke</b> (in Vb) *Vbd*						
		31		378.3							
			50	0.9	Km 378.3 = Km 0.9						
					Km 0.0 = Km 165.6						
		34		166.5	Abzw Gu 2						
			90								
				168.8							
			100	169.0	Sbl Gu 1						
				171.4	AB (Awanst)						
				171.9							
		0.38	80	172.8	<b>Gummern</b>						
				174.0	Puch						
				174.5							
			100								
				175.4							
			120	177.4	Sbl Pf 1						
				177.7	Weißent.-K.						
				178.7	AB (Awanst)						

M 4120							- GSM-R - A -		
4	5	6	1	2	3	2a	1a		
0.55		0.45	120	178.7	AB (Awanst)				
				183.2	Paternion-Feistr.				
				185.7	Markt Paternion				
				187.0	Ferndorf				
				187.1	Sbl Ro 1				
				188.1	AB (Awanst)				
				190.0	Schutzstrecke				
				191.7	Rothenthurn				
		49		196.2	Sbl Stt 1				
				198.4	GPE				
			80	198.7					
			70	199.4					
			100	200.1	Spittal-Millst.				
				80.9					
			110	78.1					
				77.9	Sbl Uz 1				
				77.6					
	10	120	75.1	Km 75.1 = Km 75.0					
			74.4	Abzww Str. 40701 (in Uz)					
		74.2							
	11	110	74.0	Pusarnitz-Süd (in Uz) *Uzs*					
			72.8	Pusarnitz (in Uz)					
		70.1							
	14	100	69.4	Mühdorf-Möllbrücke					
			69.1	Üst Kl 2					
			67.3	Sbl Kl 1					
		1.18			Kolbnitz				

M 4120							– GSM-R – A –			
4	5	6	1	2	3		2a	1a		
1.38		1.18	100	64.8	Kolbnitz					
			110	62.4	Sbl Pk 1					
		25	100	59.7	Penk					
				58.4	Km 58.3 = Km 57.9					
				58.3	Oberfalkenstein					
				55.8	Sbl Ma 3					
				54.5						
				53.8						
		31	110	51.7	Üst Ma 2					
				48.9	Sbl Ma 1					
				48.0						
			100	46.9	Km 46.9 = Km 46.0					
		46		45.9	Mallnitz-Obervell. (in Ma) *Ma*					
		48	80	45.1	Mallnitz-Nord (in Ma) *Mtn*					
		51		43.3	Mallnitz-Hintertal (in Ma) *Mth* Bstg.a.B.					
1.56			120	43.2						
				42.2	Sbl Bs 4					
				40.7	Sbl Bs 3					
				38.2	Sbl Bs 2					
			115	36.4	Sbl Bs 1					
				34.9	Böckstein					
			100	34.2	GPE					
				34.1						
				33.9						

M 4120							– GSM-R – A –			
4	5	6	1	2	3		2a	1a		
				33.9						
			70							
		2.00	60	30.1	Bad Gastein					
			70	29.4						
				29.1						
		02	80	27.7	Abzw Al 1					
				26.1						
		05	70	25.4	Angertal Bstg.a.B.					
		07		22.6	Abzw Hg 1					
			80	22.4	Hst außer Betrieb					
		10	90	20.8	Bad Hofgastein					
				19.3						
		13	120	18.2	Dorfgastein					
				14.3						
				11.8	Sbl Lof 2					
				11.1	GPE					
			90	10.8						
				9.5						
		16	80	9.3	Abzw Lof 1					
				7.7						
			70	7.4	Km 7.4 = Km 7.1					
		18		6.8	Loif.-Süd (in Lof) *Lsf*					
				6.3						
		2.19	100	5.4	Loifarn (in Lof) *Lof* Bstg.a.B.					
				2.6						
			90	2.4	Sbl Swa 1T					



M 4120							– GSM-R – A –		
4	5	6	1	2	3	2a	1a		
2.24		2.34	90	2.4	Sbl Swa 1T				
				1.4	PZB 1000 Hz				
				0.7					
			60	66.5	Schwarzach-St.V.				
				64.4					
			90	64.3	Sbl Jp 2				
				63.1	Sbl Jp 1				
			40	61.3	St.Johann i.P.				
				59.2	Sbl Bo 3				
				56.9	Üst Bo 2				
43		43	85	56.8					
				55.4					
				55.3	Mitterberghütten				
			70	55.1	Sbl Bo 1				
				54.8					
			80	53.2	Bischofshofen Fbf				
				(in Bo) *Bob*					
				52.3	Bischofshofen (in Bo)				
			47	*Bo*					
				52.0	Km 52.0 = Km 51.7				
			90	51.2					
				50.5					
				50.2	Sbl Rf 2				
			100	47.8	Sbl Rf 1				
			90	46.6	Pfarrwerfen				
				45.2	Werfen				
		2.52							

M 4120							– GSM-R – A –			
4	5	6	1	2	3	2a	1a			
	2.52		90	45.2	Werfen					
				44.5						
				80						
			44.2							
			42.2	Tenneck (Awanst)						
			41.5	Sbl Gg 5						
			38.7	Sulzau Lst						
			38.6	Üst Gg 4						
			37.1	Sbl Gg 3						
			34.5	Üst Gg 2						
	58		31.7	Sbl Gg 1						
			31.6	AB (Awanst)						
			31.3							
	3.02		90	31.1	Schutzstrecke					
			29.2							
			120							
	07			28.8	Golling-Abt.					
				26.2						Sbl HI 5
				25.6						Kuchl
25.2				Kuchl Lst (Awanst)						
24.5				Sbl HI 4						
22.9				Üst HI 3						
22.4				Kuchl Garnei						
21.7				Sbl HI 2						
20.9				Bad Vigaun						
11						20.1	Sbl HI 1			
	19.4	Hallein Burgfried								
	19.2									
3.14		115	17.8	Hallein						
			120							
		</								

M 4120										– GSM-R – A –				
4	5	6	1	2	3	2a	1a							
3.26		3.17	120	16.0	Oberalm									
				14.9	Sbl Aj 7									
				14.5	Puch bei Hallein									
				13.8	Sbl Aj 6									
				13.2	Puch Urstein									
				12.2	Üst Aj 5									
				10.3	Sbl Aj 2									
			115	9.6										
			110	9.5										
				9.0	Elsbethen									
3.36		3.33	100	8.9										
				8.7	Sbl Aj 1									
			90	7.9	Salzburg Süd									
				6.6										
			110	5.8	Salzburg Aigen									
				5.1										
			90	4.5	Salzburg Parsch									
				3.5	Sb Gnigl-Einfgr. (in Sb) *Sre*									
			90	3.1	Salzburg Gnigl (in Sb)									
				3.0	Salzbg. Gnigl-Vbf (in Sb) *Sf*									
3.26		29	60	2.4	GPE									
				2.2										
				2.1	Salzburg Sam (in Sb)									
				1.0	Salzbg.-Mitte (in Sb) *Sbm*									
				0.0	Salzburg Hbf (in Sb) *Sb*									
			90	5.1										
				4.5	Salzburg Parsch									
				3.5	Sb Gnigl-Einfgr. (in Sb) *Sre*									
				3.1	Salzburg Gnigl (in Sb)									
				3.0	Salzbg. Gnigl-Vbf (in Sb) *Sf*									

# Muster 4121<sub>nP</sub>

Muster für nP-Züge mit Vmax = 120 km/h

BT 412 b Sb-Swa Bh = 98%  
497 b Swa-Vf Bh = 96%  
431 b Vf-Tbv Bh = 93%

M 4121							Vmax = 120 km/h BHmax = 98% – GSM-R – A –			
4	5	6	1	2	3		2a	1a		
		0.00	60	0.0	Salzburg Hbf (in Sb) *Sb*					
				1.0	Salzbg.-Mitte (in Sb) *Sbm*					
				2.1	Salzburg Sam (in Sb)					
				2.4	Salzbg. Gnigl-Vbf (in Sb) *Sf*					
				3.0	Salzburg Gnigl (in Sb)					
			90	3.1						
				3.5	Sb Gnigl-Einfgr. (in Sb) *Sre*					
				4.5	Salzburg Parsch					
				5.1	Salzburg Aigen					
				5.8						
		0.03	100	7.9	Salzburg Süd					
				8.6	Sbl Aj 1					
				8.9	Elsbethen					
				9.0						
				9.5						
			110	10.1	Sbl Aj 2					
				12.2	Üst Aj 5					
				13.2	Puch Urstein					
				13.3	Sbl Aj 6					

M 4121							– GSM-R – A –			
4	5	6	1	2	3	2a	1a			
		0.16	120	13.3	Sbl Aj 6					
				14.5	Puch bei Hallein					
				14.8	Sbl Aj 7					
				16.0	Oberalm					
				17.8	Hallein					
				19.4	Hallein Burgfried					
				20.0	Sbl HI 1					
				20.9	Bad Vigaun					
				21.1	Sbl HI 2					
				22.4	Kuchl Garnei					
				22.9	Üst HI 3					
				24.3	Sbl HI 4					
				25.2	Kuchl Lst (Awanst)					
				25.6	Kuchl					
				26.1	Sbl HI 5					
	22			28.0	PZB 1000 Hz					
				28.8	Golling-Abt.					
				29.2						
				31.0	Schutzstrecke					
				31.1	GPE					
			90	31.3						
				31.6	AB (Awanst)					
				31.6	Sbl Gg 1					
				34.5	Üst Gg 2					
				37.0	Sbl Gg 3					
	27		70	38.6	Üst Gg 4					
				38.7	Sulzau Lst					
				41.4	Sbl Gg 5					
				42.2	Tenneck (Awanst)					
				44.2						
		0.31								

M 4121							– GSM-R – A –			
4	5	6	1	2	3	2a	1a			
		0.37		44.2	Werfen					
				80						
				90						
				45.2						
				46.6						
				46.7						
				47.7						
				49.6						
				50.5						
				90						
				51.2						
				51.7						
				52.3						
				42						
				43						
				53.2	Bischofshofen (in Bo) *Bo* Bischofshofen Fbf (in Bo) *Bob*					
				54.8						
				70						
				54.9						
				55.3						
				55.4						
				56.8						
				56.9						
				59.0						
				61.3						
				62.9						
				64.1						
				64.4						
				70						
				0.0						
		1.04			Schwarzach-St.V.					

M 4121								– GSM-R – A –			
4	5	6	1	2	3	2a	1a				
0.54	1.04	11		0.0	Schwarzach-St.V.						
			60	0.7							
			90	1.7	Sbl Swa 1T						
			100	2.6							
				5.4	Loifarn (in Lof) *Lof* Bstg.a.B.						
				6.4	GPE						
			70	6.5	Loif.-Süd (in Lof) *Lsf*						
				6.8							
				7.1	Km 7.1 = Km 7.4						
				7.7							
			80	9.3	Abzw Lof 1						
			90	9.5							
				10.8							
			120	11.7	Sbl Lof 2						
				14.3	Dorfgastein						
				17.9	GPE						
21	23	26	90	18.2	Bad Hofgastein						
				19.3							
				22.4	Hst außer Betrieb						
			70	22.6	Abzw Hg 1						
				25.2							
			80	25.4	Angertal Bstg.a.B.						
				27.7	Abzw Al 1						
			70	29.1							
				29.4							
1.29											

M 4121								– GSM-R – A –			
4	5	6	1	2	3	2a	1a				
1.38		1.32		29.4	Bad Gastein						
			60	30.1							
			70	30.4							
				33.9	Böckstein						
			100	34.2							
			120	34.9							
				36.1	Sbl Bs 1						
				37.9	Sbl Bs 2						
				40.4	Sbl Bs 3						
				41.9	Sbl Bs 4						
				43.0	GPE						
				43.3	Mallnitz-Hintertal (in Ma) *Mth* Bstg.a.B.						
			80								
				45.9	Mallnitz-Obervell. (in Ma) *Ma*						
			100	46.0		Km 46.0 = Km 46.9					
				48.0							
	48.7	Sbl Ma 1									
2.01		57		51.7	Üst Ma 2						
				53.8							
			100	54.2	Sbl Ma 3						
				55.8	Oberfalkenstein						
				57.9	Km 57.9 = Km 58.3						
				58.4	Penk						
				59.7							
				61.6	Sbl Pk 1						
			110	62.4	Kolbnitz						
			100	64.8							

M 4121							– GSM-R – A –			
4	5	6	1	2	3		2a	1a		
2.16	2.05	08	100	64.8	<b>Kolbnitz</b> Sbl Kl 1 Üst Kl 2 Mühdorf-Möllbrücke					
				67.1						
				69.1						
				69.4						
				70.1						
		10	110	72.8	<b>Pusarnitz</b> (in Uz) <b>Pusarnitz-Süd</b> (in Uz) *Uzs*					
				74.0						
				74.2						
				74.4						
				75.0						
	21		120	77.6	Abzww Str. 40701 (in Uz) Km 75.0 = Km 75.1					
				77.7						
				78.1						
				80.8						
				200.1						
			70	199.4	<b>Spittal-Millst.</b> GPE					
	28		120	198.7	<b>Rothenthurn</b> Sbl Stt 1 Schutzstrecke AB (Awanst) Sbl Ro 1 Ferndorf Markt Paternion					
				196.3						
				191.7						
				190.1						
				188.1						
2.33				187.2	<b>Paternion-Feistr.</b> AB (Awanst) Weißerst.-K.					
				187.0						
				185.7						
				183.2						
				178.7						
				177.7						

M 4121							– GSM-R – A –			
4	5	6	1	2	3		2a	1a		
2.49			120	177.7	Weißerst.-K. Sbl Pf 1					
				177.5						
				175.4						
				100						
				174.5						
		2.39	80	174.0	Puch <b>Gummern</b> AB (Awanst) Sbl Gu 1					
				172.8						
				171.9						
				171.4						
				169.2						
	44		90	168.8	Abzw Gu 2 Km 165.6 = Km 0.0 Km 0.9 = Km 378.3 <b>V.-Draubücke</b> (in Vb) *Vbd*					
				166.5						
				165.6						
				0.9						
				378.3						
			60	378.5	Str. 413 Str. 413-14 <b>V. Westbf</b> (in Vb) *Vf*					100
				378.9						
				100						
				379.1						
				381.2						
		3.04	100	381.7	Villach Warmbad Villach Warmbad <b>V.S. Gvbf-Auen</b> (in Vsv) *Vu*					381.7
				382.7						
				382.7						

M 4121

Str. 413 - GSM-R - A -		Str. 413-19 - GSM-R - A -		1	2	3	2a	1a
3.09	100	← V.S. Gvbf-Auen →		382.7	Km 383.6 = Km 5.5	Villach Süd Gvbf (in Vsv) *Vsv*	382.7	100
		V.S. Gvbf-Ausfgr. (in Vsv) *Va*		384.0				
		Fürnitz (in Vsv) *Fn*		386.5				
		Str. 413-18 V.S. Gvbf-Einfgr. (in Vsv) *Ve*						
		Km 1.2 = Km 1.8		388.0				
10	120	Neuhaus a.d.Gail (in Vsv)		388.6	Neuhaus a.d.Gail (in Vsv)	V.S. Gvbf-West → (in Vsv) *Vw*	389.7	110
	115			389.3				
	389.5			389.7				
13	120	Pöckau		392.1	Arnoldstein Thörl-Maglern - GSM-R - Ende - Staatsgrenze n. Thörl-M. Tarvisio Boscoverde		389.7	120
	393.9			395.0				
	100			400.2				
17	100			401.0				
	3.20			88.8				

3.26

Muster 4122

nP

Muster für nP-Züge mit Vmax = 120 km/h

BT 497 b Js-Swa Bh = 93%  
412 b Swa-Sb Bh = 96%

M 4122

M 4122							Vmax = 120 km/h Bhmax = 96%		
4	5	6	1	2	3	2a	1a		
0.00		19	35	630.2	Jesenice  Km 637.3 = Km 53.6 – <b>GSM-R – A</b> –  Staatsgrenze n. Rosenbach				
			70	631.3					
			633.6						
			50	637.3					
			53.6						
			80	49.4					
			70	22.6					
			60	22.1					
			70	19.8					
			19.5						
25		25	90	16.6	Ledenitzen				
			16.0						
			12.3						
0.29			80	10.7	Faak am See				
			7.1						
			7.0						
			70	5.8	Finkenstein				
			5.4						
			80		Gödersdorf (in Vsv)				

M 4122							– GSM-R – A –			
4	5	6	1	2	3	2a	1a			
			80	5.4	Gödersdorf (in Vsv)					
			80	5.1	Str. 222 ← V.S. Gvbf-Ost → (in Vsv) *Vo*		80			
0.33				3.9	Km 3.9 = Km 383.1					
			383.1		Km 2.5 = Km 385.9					
			100		Str. 413-17 Fürnitz (in Vsv) *Fn*	386.5	100			
					Km 387.3 = Km 0.0					
					Str. 413-15 V.S. Gvbf-Einfgr. (in Vsv) *Ve*	2.3				
					Str. 413-19 V.S. Gvbf-Ausfgr. (in Vsv) *Va*	3.7				
					Km 5.5 = Km 383.6	5.5				
					Str. 413 ← V.S. Gvbf-Auen → (in Vsv) *Vu*	382.7				
35				382.7	Villach Warmbad					
				381.7	Villach Warmbad	381.7				
				381.2	AB (Awanst)					
					Str. 413-14 ← V. Westbf (in Vb) → *Vf*	379.1				
0.38		43		379.1		379.1				
			60		V.-Draubücke (in Vb) *Vbd*					
		0.46		378.3						

M 4122							– GSM-R – A –			
4	5	6	1	2	3	2a	1a			
		0.46		378.3	V.-Draubücke (in Vb) *Vbd*					
			50	0.9	Km 378.3 = Km 0.9					
					Km 0.0 = Km 165.6					
		49		166.5	Abzw Gu 2					
			90							
				168.8						
			100	169.0	Sbl Gu 1					
				171.4	AB (Awanst)					
				171.9						
		53	80	172.8	Gummern					
				174.0	Puch					
				174.5						
			100							
				175.4						
			120	177.4	Sbl Pf 1					
				177.7	Weißent.-K.					
				178.7	AB (Awanst)					
		1.00		183.2	Paternion-Feistr.					
				185.7	Markt Paternion					
				187.0	Ferndorf					
				187.1	Sbl Ro 1					
				188.1	AB (Awanst)					
				190.0	Schutzstrecke					
		1.04		191.7	Rothenthurn					
				196.2	Sbl Stt 1					
				198.4	GPE					
				198.7						
			80							
				199.4						

M 4122							- GSM-R - A -			
4	5	6	1	2	3		2a	1a		
1.10		1.20		199.4	Spittal-Millst.					
			70	200.1						
			100	80.9						
			110	78.1						
				77.9						
			120	77.6						
				75.1						
				74.4						
				74.2						
			110	74.0						
				72.8						
			100	70.1						
				69.4						
1.46		25		69.1	Pusarnitz-Süd (in Uz)					
				67.3						
				64.8						
			110	62.4						
				61.7						
			100	59.7						
				58.4						
				58.3						
				55.8						
				54.5						
				53.8						
			110	51.7						
				48.9						
			100	48.0						
				46.9						
					Km 46.9 = Km 46.0					

M 4122							- GSM-R - A -			
4	5	6	1	2	3		2a	1a		
1.53		2.01	100	46.9	Mallnitz-Obervell. (in Ma) *Ma*					
			80	45.9						
				45.1						
				43.3						
			120	43.2						
				42.2						
				40.7						
				38.2						
			115	36.4						
			100	34.9	Böckstein GPE					
				34.2						
				34.1						
			70	33.9						
				30.4						
			60	30.1						
			70	29.4						
				29.1						
			80	27.7						
				26.1						
			70	25.4						
			80	22.6						
				22.4						
				20.8						
2.22		2.22			Angertal Bstg.a.B. Abzw Hg 1 Hst außer Betrieb					



M 4122							– GSM-R – A –			
4	5	6	1	2	3	2a	1a			
2.39	2.25	28		20.8	Bad Hofgastein					
			90	19.3						
			120	18.2						
				14.3						
				11.8						
				11.1	Dorfgastein					
				GPE						
			90	10.8						
				9.5						
			80	9.3						
	33	31	70	7.7	Loif.-Süd (in Lof) *Lsf*					
				7.4						
				Km 7.4 = Km 7.1						
				6.8						
			100	6.3						
				5.4	Loifarn (in Lof) *Lof* Bstg.a.B.					
			90	2.6						
				2.4						
				1.4						
				0.7						
	49		60	66.5	Schwarzach-St.V.					
			70	64.4						
			90	64.3						
				63.1						
				61.3						
	2.58	55		59.2	St.Johann i.P.					
				Üst Bo 3						
				56.9						
				56.8						

M 4122							– GSM-R – A –			
4	5	6	1	2	3	2a	1a			
				56.8						
			85	55.4						
			70	55.3						
				55.1						
				54.8						
		3.01	80	53.2	Bischofshofen Fbf (in Bo) *Bob*					
				52.3						
				52.0						
			90	51.2						
			100	50.5						
		07	90	47.8	Werfen					
				46.6						
				45.2						
			80	44.5						
			70	44.2						
		13		42.2	Tenneck (Awanst)					
				41.5						
				38.7						
				38.6						
				37.1						
		3.17		34.5	St.Johann i.P.					
				31.7						
				31.6						
				31.3						

M 4122							– GSM-R – A –			
4	5	6	1	2	3	2a	1a			
		3.22		31.3	Schutzstrecke <b>Golling-Abt.</b> Sbl HI 5 Kuchl Kuchl Lst (Awanst) Sbl HI 4 Üst HI 3 Kuchl Garnei Sbl HI 2 Bad Vigaun Sbl HI 1 Hallein Burgfried					
			90	31.1						
			120	29.2						
				28.8						
				26.2						
				25.6						
				25.2						
				24.5						
				22.9						
				22.4						
		26		21.7						
				20.9						
				20.1						
				19.4						
			115	19.2						
			120	17.8						
				16.0						
				14.9						
				14.5						
				13.8						
		3.32		13.2	Hallein Oberalm Sbl Aj 7 Puch bei Hallein Sbl Aj 6 Puch Urstein Üst Aj 5 Sbl Aj 2					
				12.2						
				10.3						
				9.6						
			115	9.5						
			110	9.0						
				8.9						
				8.7						
				7.9						
			100							

M 4122							– GSM-R – A –			
4	5	6	1	2	3	2a	1a			
		3.36	100	7.9	Salzburg Süd <b>Salzburg Aigen</b> Salzburg Parsch <b>Sb Gnigl-Einfgr.</b> (in Sb) *Stre*  Salzburg Gnigl (in Sb) <b>Salzbg. Gnigl-Vbf</b> (in Sb) *St*  GPE Salzburg Sam (in Sb) <b>Salzbg.-Mitte</b> (in Sb) *Sbm* <b>Salzburg Hbf</b> (in Sb) *Sb*					
			90	6.6						
			110	5.8						
				5.1						
			38	4.5						
				3.5						
				3.1						
			90	3.0						
			44	2.4						
				2.2						
		3.41		2.1						
				1.0						
			60	0.0						
			3.48							

# Muster 4123<sup>nP</sup>

Muster für nP-Züge mit Vmax = 120 km/h

BT 412 b Sb-Swa Bh = 98%  
497 b Swa-Js Bh = 96%

M 4123							
4	5	6	1	2	3	2a	1a
Vmax = 120 km/h Bhmax = 98% - GSM-R-A -							
0.00		03	60	0.0	Salzburg Hbf	0.13	
				1.0	Salzbg.-Mitte (in Sb) *Sbm*		
05			90	2.1	Salzburg Sam (in Sb)		
				2.4	Salzbg. Gnigl-Vbf (in Sb) *Sf*		
07			110	3.0	Salzburg Gnigl (in Sb)		
				3.1	Sb Gnigl-Einfgr. (in Sb) *Sre*		
09			90	4.5	Salzburg Parsch		
				5.1	Salzburg Aigen		
			100	6.6	Salzburg Süd		
				7.9	Sbl Aj 1		
			110	8.9	Elsbethen		
				9.0			
0.13			120	9.5			
				10.1	Sbl Aj 2		
				12.2	Üst Aj 5		
				13.2	Puch Urstein		
				13.3	Sbl Aj 6		
				14.5	Puch bei Hallein		

# M 4123

- GSM-R-A -

1	2	3
120	14.5	Puch bei Hallein
	14.8	Sbl Aj 7
	16.0	Oberalm
	17.8	Hallein
	19.4	Hallein Burgfried
	20.0	Sbl HI 1
	20.9	Bad Vigaun
	21.1	Sbl HI 2
	22.4	Kuchl Garnei
	22.9	Üst HI 3
	24.3	Sbl HI 4
	25.2	Kuchl Lst (Awanst)
	25.6	Kuchl
	26.1	Sbl HI 5
28.0	PZB 1000 Hz	
28.8	Golling-Abt.	
29.2		
90	31.0	Schutzstrecke
	31.1	GPE
70	31.3	
	31.6	AB (Awanst)
	31.6	Sbl Gg 1
	34.5	Üst Gg 2
	37.0	Sbl Gg 3
	38.6	Üst Gg 4
	38.7	Sulzau Lst
	41.4	Sbl Gg 5
	42.2	Tenneck (Awanst)
	44.2	

M 4123							– GSM-R – A –			
4	5	6	1	2	3	2a	1a			
0.54		0.37		44.2	Werfen					
			80	44.5						
			90	45.2						
			100	46.6						
				46.7						
				47.7						
			90	49.6						
				50.5						
			80	51.2						
			42	51.7						
				52.3						
			43	53.2						
			70	54.8						
			85	54.9						
				55.3						
			46	55.4						
			90	56.8						
			49	56.9						
				59.0						
				61.3						
				62.9						
			70	64.1						
				64.4						
0.54		1.04		0.0	Schwarzach-St.V.					

M 4123								– GSM-R – A –				
4	5	6	1	2	3	2a	1a					
0.54	1.04	11		0.0	Schwarzach-St.V.							
			60	0.7								
			90	1.7								
			100	2.6								
				5.4								
				6.4								
			70	6.5								
			13	6.8								
				7.1								
			80	7.7								
			90	9.3								
			15	9.5								
				10.8								
			120	11.7								
			18	14.3								
				17.9								
			90	18.2	Bad Hofgastein							
			21	19.3								
				22.4								
			70	22.6								
			23	25.2	Angertal Bstg.a.B.							
				25.4								
			80	27.7								
			70	29.1								
				29.4								

M 4123							– GSM-R – A –			
4	5	6	1	2	3		2a	1a		
1.38	1.32			29.4	Bad Gastein					
			60	30.1						
			70	30.4						
			100	33.9						
			120	34.2						
		43		34.9	Böckstein					
				36.1		Sbl Bs 1				
				37.9		Sbl Bs 2				
				40.4		Sbl Bs 3				
				41.9		Sbl Bs 4				
	52			43.0	Mallnitz-Hintertal (in Ma) *Mth* Bstg.a.B.					
				43.3						
			80							
				45.9	Mallnitz-Obervell.					
			100	46.0		Km 46.0 = Km 46.9				
2.01	57			48.0						
			110	48.7		Sbl Ma 1				
				51.7		Üst Ma 2				
				53.8						
			100	54.2		Sbl Ma 3				
		2.01		55.8	Penk	Oberfalkenstein				
				57.9		Km 57.9 = Km 58.3				
				58.4						
				59.7						
			110	61.6		Sbl Pk 1				
2.05				62.4	Kolbnitz					
			100	64.8						

M 4123							– GSM-R – A –			
4	5	6	1	2	3		2a	1a		
2.16		2.05	100	64.8	Kolbnitz					
				67.1		Sbl Kl 1				
				69.1		Üst Kl 2				
				69.4		Mühldorf-Möllbrücke				
				70.1						
		08	110	72.8	Pusarnitz (in Uz) Pusarnitz-Süd (in Uz) *Uzs*					
				74.0						
				74.2						
			120	74.4		Abzww Str. 40701 (in Uz)				
				75.0		Km 75.0 = Km 75.1				
28		21		77.6	Spittal-Millst.					
			110	77.7		Sbl Uz 1				
				78.1						
			100	80.8		GPE				
				200.1						
		28	70		Rothenthurn					
				199.4						
			80							
				198.7						
			120	196.3		Sbl Stt 1				
2.33				191.7	Paternion-Feistr.					
				190.1		Schutzstrecke				
				188.1		AB (Awanst)				
				187.2		Sbl Ro 1				
				187.0		Ferndorf				
				185.7		Markt Paternion				
				183.2						
				178.7		AB (Awanst)				
				177.7		Weißerst.-K.				

M 4123								- GSM-R - A -		
4	5	6	1	2	3	2a	1a			
		2.39	120	177.7	Weißenst.-K. Sbl Pf 1  Puch <b>Gummern</b>  AB (Awanst) Sbl Gu 1  Abzw Gu 2 Km 165.6 = Km 0.0 Km 0.9 = Km 378.3 <b>V-Draubücke</b> (in Vb) *Vbd*					
				177.5						
			100	175.4						
				174.5						
			80	174.0						
				172.8						
			100	171.9						
				171.4						
				169.2						
				168.8						
		44	90	166.5						
			50	165.6						
				0.9						
				378.3						
		47		378.5						
			60							
				378.9						
2.49	3.04		100	379.1	Str. 413 ← <b>V. Westbf</b> (in Vb) → *Vf*	Str. 413-14	100			
				381.2	AB (Awanst)					
				381.7	Villach Warmbad	Villach Warmbad	381.7			
		3.09		382.7	Str. 222 ← <b>V.S. Gvbf-Auen</b> → (in Vsv) *Vu*	Str. 413-19				



M 4123						
4	5	6	1	2	3	2a
Str. 222 - GSM-R - A -			Str. 413-19 - GSM-R - A -			
		3.09	100	382.7	<div> <div> <div>←</div> <div>→</div> </div> <div> <b>V.S. Gvbf-Auen</b>  (in Vsv) *Vu* </div> </div>	382.7
				383.1	<div> <div>Km 383.6 = Km 5.5</div> <div>Km 383.1 = Km 3.9</div> </div> <div> <b>V.S. Gvbf-Ausfgr.</b>  (in Vsv) *Va* </div>	3.7
				5.0		
			80		<div> <div>Str. 413-17</div> <div><b>V.S. Gvbf-Einfgr.</b></div> <div>(in Vsv) *Ve*</div> <div>Km 0.0 = Km 387.3</div> </div> <div> <div>Str. 413-16</div> <div><b>Fürnitz</b></div> <div>(in Vsv) *Fn*</div> <div>Km 385.9 = Km 2.5</div> </div>	2.3
		10		5.1	<div> <div>←</div> <div>→</div> </div> <div> <b>V.S. Gvbf-Ost</b>  (in Vsv) *Vo* </div>	0.6
			80	5.4	Gödersdorf (in Vsv)	
			70	5.8		
			60	7.0	Finkenstein	
		16	80	7.5	<b>Faak am See</b>	
				10.7		
		20	90	12.3	<b>Ledenitzen</b>	
				16.0		
			70	16.6		
				19.5	Winkl im Rosental	
				19.7	Sbl Lez 1	
		3.26		47.8	<b>Rosenbach</b>	

M 4123							
– <u>GSM-R – A</u> –							
4	5	6	1	2	3	2a	1a
3.43		3.26	70	47.8	<b>Rosenbach</b>  PZB 1000 Hz  – <u>GSM-R – Ende</u> – Staatsgrenze n. Rosenbach Km 53.6 = Km 637.3 PZB 1000 Hz		
			80	49.4			
				52.9			
			50	53.6			
				634.6			
			70	633.6	<b>Jesenice</b>		
				631.3			
			35	630.2			

# Muster 4158

nP

BT 432 b Tbv-Vf Bh = 69%  
438 a Vf-Gu Z2 Bh = 28%  
437 b Gu Z2-AI Bh = 70%  
438 a AI-Hg Bh = 68%  
437 b Hg-Lsf Bh = 68%  
438 a Lsf-Swa Bh = 70%

M 4158							
Vmax = 100 km/h  Bhmax = 70% 							
4	5	6	1	2	3	2a 1a	
		0.00	100	Tarvisio Boscoverde – GSM-R – A – Staatsgrenze n. Thörl-M. Thörl-Maglern Arnoldstein Pöckau			
				88.8			
				94.3			
				400.2			
				395.0			
392.1							
		13	100	Str. 413 ← V.S. Gvbf-West → (in Vsv) *Vw*			100
				389.7	Neuhaus a.d.Gail (in Vsv)  Neuhaus a.d.Gail (in Vsv)  Km 1.8 = Km 1.2  Fürnitz (in Vsv) *Fn*	0.0	
				389.3			
				386.5			
		15		Str. 413-19 V.S. Gvbf-Einfgr. (in Vsv) *Ve*			2.3
				Villach Süd Gvbf (in Vsv) *Vsv*			
				384.0	V.S. Gvbf-Ausfgr. (in Vsv) *Va*	3.7	
		0.16		Km 5.5 = Km 383.6			5.5

M 4158						Str. 413 - GSM-R - A -		Str. 413-19 - GSM-R - A -	
4	5	6	1	2	3	2a	1a		
0.21		0.17	100		Km 5.5 = Km 383.6 <b>Str. 413-14</b> ← <b>V.S. Gvbf-Auen</b> → (in Vsv) *Vu*	5.5	100		
				382.7	Villach Warmbad	382.7			
				381.7	Villach Warmbad				
				381.2	AB (Awanst)	381.7			
				379.1	<b>Str. 413-14</b> ← <b>V. Westbf</b> → (in Vb) *Vf*	381.7			
		30	60		<b>V.-Draubücke</b> (in Vb) *Vbd*				
			33	378.3	Km 378.3 = Km 0.9				
			50	0.9	Km 0.0 = Km 165.6				
			36	166.5	Abzw Gu 2				
			90						
				168.8					
			100	169.0	Sbl Gu 1				
				171.4	AB (Awanst)				
				171.9	<b>Gummern</b>				
			40	172.8	Puch				
		40		174.0					
			174.5						
			100	177.4	Sbl Pf 1				
				177.7	Weißenst.-K.				
				178.7	AB (Awanst)				
		0.47		183.2	<b>Paternion-Feistr.</b>				
				185.7	Markt Paternion				

M 4158								- GSM-R - A -			
4	5	6	1	2	3	2a	1a				
1.00		0.53	100	185.7	Markt Paternion						
				187.0	Ferndorf						
				187.1	Sbl Ro 1						
				188.1	AB (Awanst)						
				190.0	Schutzstrecke						
				191.7	Rothenthurn						
				196.2	Sbl Stt 1						
				198.4	GPE						
				198.7							
				80							
				199.4							
				70							
				200.1							
				100	80.9	Spittal-Millst.					
					77.9	Sbl Uz 1					
					75.1	Km 75.1 = Km 75.0					
					74.4	Abzw Str. 40701 (in Uz)					
15			Pusarnitz-Süd (in Uz)								
16			*Uzs*								
17			Pusarnitz (in Uz)								
19			69.4	Mühldorf-Möllbrücke							
			69.1	Üst Kl 2							
			67.3	Sbl Kl 1							
23			64.8	Kolbnitz							
29			61.7	Sbl Pk 1							
			58.4	Penk							
			58.3	Km 58.3 = Km 57.9							
1.35			55.8	Oberfalkenstein							
			54.5	Sbl Ma 3							
			51.7	Üst Ma 2							



M 4158								– GSM-R – A –			
4	5	6	1	2	3	2a	1a				
1.41		1.35	100	51.7	Üst Ma 2						
				48.9	Sbl Ma 1						
				46.9	Km 46.9 = Km 46.0						
		47	45.9	Mallnitz-Obervell. (in Ma) *Ma*							
		50	80	45.1	Mallnitz-Nord (in Ma) *Mtn*						
		52	43.3	Mallnitz-Hintertal (in Ma) *Mth* Bstg.a.B.							
			100	43.2							
				42.2	Sbl Bs 4						
				40.7	Sbl Bs 3						
		58		38.2	Sbl Bs 2						
36.4	Sbl Bs 1										
34.2	Böckstein										
			70	34.1	GPE						
				33.9							
				30.4	Bad Gastein						
		2.02	60	30.1							
			70	29.4							
				29.1							
				27.7	Abzw Al 1						
		04	80	26.1							
		2.07	70	25.4	Angertal Bstg.a.B.						
				23.7							
65											
				23.6							

M 4158								– GSM-R – A –			
4	5	6	1	2	3	2a	1a				
				23.6							
			70								
		2.09		22.6	Abzw Hg 1						
			70	22.4	Hst außer Betrieb						
			65	20.9							
				20.8							
		12	90	19.3	Bad Hofgastein						
				18.2							
		16	100	14.3	Dorfgastein						
				11.8	Sbl Lof 2						
				11.1	GPE						
			90	10.8							
				9.5							
		19	80	9.3	Abzw Lof 1						
				7.7							
		21	70	7.4	Km 7.4 = Km 7.1						
				6.8	Loif.-Süd (in Lof) *Lsf*						
				6.3							
		23	90	5.4	Loifarn (in Lof) *Lof* Bstg.a.B.						
				2.4	Sbl Swa 1T						
2.28				1.4	PZB 1000 Hz						
				0.7							
		3.00	60	0.0	Schwarzach-St.V.						

# Muster 4159

nP

BT 437 b Swa-Ma Bh = 69%  
438 a Ma-Uz Bh = 69%  
437 b Uz-Gu Z2 Bh = 65%  
438 a Gu Z2-Vf Bh = 65%  
432 b Vf-Tbv Bh = 65%

# M 4159

Vmax = 100 km/h Bhmax = 69% - GSM-R - A -						
4	5	6	1	2	3	2a 1a

2.36	3.00	Schwarzach-St.V.				
		60	0.0			
		90	0.7	1.7	Sbl Swa 1T	
		100	2.6			
07		Loifarn (in Lof) *Lof* Bstg.a.B.				
			5.4	6.4	GPE	
		70	6.5			
			6.8		Loif.-Süd (in Lof) *Lsf*	
10			7.1		Km 7.1 = Km 7.4	
		80	7.7			
			9.3		Abzw Lof 1	
		90	9.5			
14		100	10.8			
			11.7		Sbl Lof 2	
			14.3		Dorfgastein	
			17.9		GPE	
17	3.20	90	18.2		Bad Hofgastein	
			19.3		Hst außer Betrieb	
			22.4			
		70	22.6		Abzw Hg 1	
			25.2			

# M 4159

- GSM-R - A -						
4	5	6	1	2	3	2a 1a

	3.23	Angertal Bstg.a.B. Abzw Al 1				
		80	25.2			
			25.4			
			27.7			
	26	70	29.1			
		60	29.4		Bad Gastein	
			30.1			
	29	70	30.4			
		100	33.9		Böckstein	
			34.2			
3.34			36.1		Sbl Bs 1	
			37.9		Sbl Bs 2	
			40.4		Sbl Bs 3	
			41.9		Sbl Bs 4	
			43.0		GPE	
					Mallnitz-Hintertal (in Ma) *Mth* Bstg.a.B.	
		52	43.3			
	54	80			Mallnitz-Obervell. (in Ma) *Ma*	
			45.9			
		90	46.0		Km 46.0 = Km 46.9	
			48.7		Sbl Ma 1	
	3.57		51.7		Üst Ma 2	
			52.6			
		85				
		90	52.7		Sbl Ma 3	
			54.2		Oberfalkenstein	
			55.8			
			57.9		Km 57.9 = Km 58.3	

M 4159							– GSM-R – A –			
4	5	6	1	2	3		2a	1a		
4.19		4.02	90	57.9	Km 57.9 = Km 58.3	Penk				
				58.4	Sbl Pk 1					
				61.6	Kolbnitz					
				64.8	Sbl Kl 1					
		06		67.1	Üst Kl 2	Mühdorf-Möllbrücke				
				69.1	Pusarnitz (in Uz)					
		12	100	69.4	Pusarnitz-Süd (in Uz)	*Uzs*				
				72.8	Spittal-Millst.					
		13		74.0	Abzww Str. 40701 (in Uz)	Km 75.0 = Km 75.1				
				74.4	Sbl Uz 1					
		14		75.0	GPE					
				77.7						
		27	70	80.8						
				200.1						

36		4.41	100	196.3	Sbl Stt 1	Rothenthurn				
				191.7	Schutzstrecke					
				190.1	AB (Awanst)					
				188.1	Sbl Ro 1					
				187.2	Ferndorf	Markt Paternion				
				187.0	Paternion-Feistr.					
				185.7	AB (Awanst)	Weißent.-K.				
				183.2	Sbl Pf 1					
				178.7						
				177.7						
				177.5						
				177.5						

M 4159										– GSM-R – A –			
4	5	6	1	2	3	2a	1a						
4.58		4.48	100	177.5	Sbl Pf 1	Gummern							
			80	174.0	Puch								
			172.8	AB (Awanst)									
			171.9	Sbl Gu 1									
			100	171.4	Abzw Gu 2								
			169.2	Km 165.6 = Km 0.0									
			168.8	Km 0.9 = Km 378.3									
			90	0.9	V-Draubücke								
			166.5	(in Vb) *Vbd*									
			50	378.3									
			378.5										
			60										
			378.9										
			90		Str. 413					Str. 413-14			
5.10			379.1	V. Westbf (in Vb) →				100					
			380.7	*Vf*				379.1					
			95	381.2	AB (Awanst)	Villach Warmbad							
			381.7	Villach Warmbad									
			100		Villach Warmbad	381.7							

M 4159						Str. 413 – GSM-R– A –		Str. 413-14 – GSM-R– A –									
4	5	6	1	2	3	2a	1a										
	5.15		100	382.7	Villach Warmbad Str. 413-19 ← V.S. Gvbf-Auen → (in Vsv) *Vu*	381.7	100										
	16			384.0	Villach Süd Gvbf (in Vsv) *Vsv*	382.7											
	18			386.5	Fürnitz (in Vsv) *Fn*  V.S. Gvbf-Ausfgr. (in Vsv) *Va*	3.7											
	20			389.3	Neuhaus a.d.Gail (in Vsv) Km 1.2 = Km 1.8 ← V.S. Gvbf-West → (in Vsv) *Vw*	0.4											
	5.35		100	392.1	Pöckau Arnoldstein Thörl-Maglarn – GSM-R– Ende – Staatsgrenze n. Thörl-M. Tarvisio Boscoverde	389.7	100										
								24	5.28								

Muster 4360												
BT 436 a Va-Fn												
M 4360												
4	5	6	1	2	3	4	5	6	Vmax = 40 km/h Bhmax = 22% – GSM-R – A –			
0.10		0.00	40	3.7 (in Vsv) *Va*	V.S. Gvbf-Ausfgr.							

Muster 4361												
BT 436 a Va-Ve												
M 4361												
4	5	6	1	2	3	4	5	6	Vmax = 40 km/h Bhmax = 23% – GSM-R – A –			
0.13		0.00	40	3.7 (in Vsv) *Va*	V.S. Gvbf-Ausfgr.							

# Muster 4362

BT 436 a Fn-Ve

M 4362

4	5	6	1	2	3	4	5	6
0.10		0.00	40	Vmax = 40 km/h Bhmax = 22% – GSM-R – A –				
				386.5 385.2	Fürnitz (in Vsv) *Fn* Km 385.2 = Km 5.7 V.S. Gvbf-Ausfgr.			
		0.06		3.7	(in Vsv) *Va*			
				2.3	(in Vsv) *Ve*			

# Muster 4368

nP

BT 432 c Tbv-Vf  
438 a Vf-Gu Z2  
437 c Gu Z2-AI  
438 a AI-Hg  
437 c Hg-Lsf  
438 a Lsf-Swa  
408 b Swa-Sb  
Bh = 69%  
Bh = 28%  
Bh = 70%  
Bh = 68%  
Bh = 68%  
Bh = 70%  
Bh = 70%

M 4368

Vmax = 100 km/h Bhmax = 70%								
4	5	6	1	2	3	2a	1a	
		0.00	100	88.8	Tarvisio Boscoverde – GSM-R – A –			
				94.3 400.2 395.0 392.1	Staatsgrenze n. Thörl-M. Thörl-Maglern Arnoldstein Pöckau			
		13	100	389.7	Str. 413 ← V.S. Gvbf-West → (in Vsv) *Vw*	0.0		100
				389.3	Neuhaus a.d.Gail (in Vsv) Neuhaus a.d.Gail (in Vsv)	0.4		
		15		386.5	Fürnitz (in Vsv) *Fn* Km 1.8 = Km 1.2			
					Str. 413-19 V.S. Gvbf-Einfgr. (in Vsv) *Ve*	2.3		
		0.17		384.0	Villach Süd Gvbf (in Vsv) *Vsv*			
					V.S. Gvbf-Ausfgr. (in Vsv) *Va*	3.7		
					Km 5.5 = Km 383.6	5.5		

M 4368						Str. 413 – GSM-R – A –		Str. 413-19 – GSM-R – A –	
4	5	6	1	2	3	2a	1a		
0.21		0.18	100		Km 5.5 = Km 383.6 <b>Str. 413-14</b> ← <b>V.S. Gvbf-Auen</b> → (in Vsv) *Vu*	5.5	100		
				382.7			382.7		
				381.7	Villach Warmbad				
				381.2	AB (Awanst) <b>Str. 413-14</b>		Villach Warmbad	381.7	
			30	379.1	← <b>V. Westbf</b> (in Vb) → *Vf*		379.1		
0.48			60		<b>V.-Draubücke</b> (in Vb) *Vbd*				
			33	378.3					
			50	0.9	Km 378.3 = Km 0.9 Km 0.0 = Km 165.6 Abzw Gu 2				
			36	166.5					
			90						
				168.8					
			100	169.0	Sbl Gu 1				
				171.4	AB (Awanst)				
				171.9					
			41	80	172.8	<b>Gummern</b>			
				174.0	Puch				
			174.5						
			100	177.4	Sbl Pf 1				
				177.7	Weißent.-K.				
				178.7	AB (Awanst) <b>Paternion-Feistr.</b>				
		183.2							
			185.7		Markt Paternion				

M 4368								– GSM-R – A –			
4	5	6	1	2	3	2a	1a				
1.00		0.53	100	185.7	Markt Paternion						
				187.0	Ferndorf						
				187.1	Sbl Ro 1						
				188.1	AB (Awanst)						
				190.0	Schutzstrecke						
				191.7	<b>Rothenthurn</b>						
				196.2	Sbl Stt 1						
				198.4	GPE						
				198.7							
				80							
			199.4								
			70								
			200.1								
			100	80.9	<b>Spittal-Millst.</b>						
				77.9	Sbl Uz 1						
				75.1	Km 75.1 = Km 75.0						
			13	74.4	Abzw Str. 40701 (in Uz)						
			14	74.0	<b>Pusarnitz-Süd</b> (in Uz)						
					*Uzs*						
			15	72.8	<b>Pusarnitz</b> (in Uz)						
17	69.4	Mühldorf-Möllbrücke									
	69.1	Üst Kl 2									
	67.3	Sbl Kl 1									
21	64.8	<b>Kolbnitz</b>									
28	61.7	Sbl Pk 1									
	58.4	<b>Penk</b>									
	58.3	Km 58.3 = Km 57.9									
	55.8	Oberfalkenstein									
	54.5	Sbl Ma 3									
	51.7	Üst Ma 2									
1.34											

M 4368							– GSM-R – A –		
4	5	6	1	2	3	2a	1a		
1.41		1.34	100	51.7	Üst Ma 2				
				48.9	Sbl Ma 1				
				46.9	Km 46.9 = Km 46.0				
		49	45.9	Mallnitz-Obervell. (in Ma) *Ma*					
		51	80	45.1	Mallnitz-Nord (in Ma) *Mtn*				
		54	43.3	Mallnitz-Hintertal (in Ma) *Mth* Bstg.a.B.					
			100	43.2					
				42.2	Sbl Bs 4				
				40.7	Sbl Bs 3				
				38.2	Sbl Bs 2				
2.00				36.4	Sbl Bs 1				
				34.2	Böckstein				
				34.1	GPE				
			33.9						
		03	60	30.4					
				30.1	Bad Gastein				
				29.4					
		06	70	29.1					
				27.7	Abzw Al 1				
				26.1					
2.08		2.08	70	25.4	Angertal Bstg.a.B.				
			65	23.7					
				23.6					

M 4368							– GSM-R – A –		
4	5	6	1	2	3	2a	1a		
	2.11			23.6	Abzw Hg 1 Hst außer Betrieb				
			70						
			70						
			65						
			20.8						
			90						
			18.2						
			14.3						
			11.8						
			11.1						
	14			10.8	Bad Hofgastein  Dorfgastein Sbl Lof 2 GPE				
			90						
			80						
			7.7						
			7.4						
			6.8						
			6.3						
			5.4						
			2.4						
			1.4						
	23		70	6.8	Loif.-Süd (in Lof) *Lsf*				
				6.3					
			90	5.4					
				2.4					
				1.4					
				0.7					
			60	66.5					
			70	64.4					
			90	64.3					
				24					
	6.8								
90	6.3								
	5.4								
	2.4								
	1.4								
	0.7								
60	66.5								
70	64.4								
90	64.3								
	2.29			7.4	Loifarn (in Lof) *Lof* Bstg.a.B.  Sbl Swa 1T PZB 1000 Hz				
				6.8					
			90	6.3					
				5.4					
				2.4					
				1.4					
				0.7					
			60	66.5					
			70	64.4					
			90	64.3					
				7.4	Schwarzach-St.V.  Sbl Jp 2				
				6.8					
			90	6.3					
				5.4					
				2.4					
				1.4					
				0.7					
			60	66.5					
			70	64.4					
			90	64.3					

M 4368								- GSM-R - A -		
4	5	6	1	2	3	2a	1a			
	2.44	47	90	64.3	Sbl Jp 2	St.Johann i.P.				
				63.1	Sbl Jp 1					
				61.3						
				59.2	Sbl Bo 3					
				56.9	Üst Bo 2					
	50	51	85	56.8						
				55.4						
			70	55.3	Mitterberghütten					
				55.1	Sbl Bo 1					
			80	54.8						
	56	3.02		53.2	Bischofshofen Fbf (in Bo) *Bob*	Bischofshofen (in Bo)				
				52.3	*Bo*					
				52.0	Km 52.0 = Km 51.7					
			90	51.2						
			100	50.5						
					50.2	Sbl Rf 2	Werfen			
				90	47.8	Sbl Rf 1				
					46.6	Pfarrwerfen				
					45.2					
				80	44.5					
			70	44.2		Tenneck (Awanst)				
				42.2						
				41.5	Sbl Gg 5					
				38.7	Sulzau Lst					
				38.6	Üst Gg 4					

M 4368					
- GSM-R - A -					
4	5	6	1	2	3



M 4368							
– GSM-R – A –							
4	5	6	1	2	3	2a	1a
3.35		3.26	100	7.9	Salzburg Süd		
			95	7.8			
			90	6.6	Salzburg Aigen		
			100	5.8	Salzburg Parsch		
				5.1			
			28	4.5	Salzburg Parsch		
				3.5	Sb Gnigl-Einfgr.		
			30	3.1	Salzburg Gnigl (in Sb)		
				3.0			
				2.4	Salzbg. Gnigl-Vbf		
				GPE			
			3.32	2.2	Salzburg Sam (in Sb)		
				2.1	Salzbg.-Mitte (in Sb)		
				1.0	*Sbm*		
				0.0	Salzburg Hbf		

# Muster 4369

nP

- BT
- 408 b
- Sb-Swa
- Bh = 70%
- 437 c
- Swa-Ma
- Bh = 69%
- 438 a
- Ma-Uz
- Bh = 69%
- 437 c
- Uz-Gu
- Z2
- Bh = 65%
- 438 a
- Gu
- Z2-Vf
- Bh = 65%
- 432 c
- Vf-Tbv
- Bh = 65%

Vmax = 100 km/h Bhmax = 70% – GSM-R – A –						
4	5	6	1	2	3	2a 1a
		0.00	60	0.0	Salzburg Hbf (in Sb) *Sb*	
				1.0	Salzbg.-Mitte (in Sb) *Sbm*	
				2.1	Salzburg Sam (in Sb)	
			90	2.4	Salzbg. Gnigl-Vbf (in Sb) *Sr*	
				3.0	Salzburg Gnigl (in Sb)	
				3.1	Sb Gnigl-Einfgr. (in Sb) *Sre*	
				3.5	Salzburg Parsch	
				4.5	Salzburg Aigen	
			90	5.1		
				0.13		
100	6.6	Sbl Aj 1				
	7.9	Elsbethen				
	8.6	Sbl Aj 2				
	9.0	Üst Aj 5				
	10.1	Puch Urstein				
	12.2	Sbl Aj 6				
	13.2	Puch bei Hallein				
	13.3					
	14.5					

M 4369							– GSM-R – A –		
4	5	6	1	2	3	2a	1a		
0.17			100	14.5	Puch bei Hallein				
				14.8	Sbl Aj 7				
				16.0	Oberalm				
				17.8	Hallein				
				19.4	Hallein Burgfried				
				20.0	Sbl HI 1				
				20.9	Bad Vigaun				
				21.1	Sbl HI 2				
				22.4	Kuchl Garnei				
				22.9	Üst HI 3				
21				24.3	Sbl HI 4				
				25.2	Kuchl Lst (Awanst)				
				25.6	Kuchl				
				26.1	Sbl HI 5				
				28.0	PZB 1000 Hz				
25				28.8	Golling-Abt.				
				29.2					
				31.0	Schutzstrecke				
				31.1	GPE				
				31.3					
30			70	31.6	AB (Awanst)				
				31.6	Sbl Gg 1				
				34.5	Üst Gg 2				
				37.0	Sbl Gg 3				
				38.6	Üst Gg 4				
0.34				38.7	Sulzau Lst				
				41.4	Sbl Gg 5				
				42.2	Tenneck (Awanst)				
				44.2					

M 4369								– GSM-R – A –			
4	5	6	1	2	3	2a	1a				
0.40				44.2	Werfen						
			80								
			90								
			45.2								
			46.6								
			46.7								
			47.7								
			49.6								
			50.5								
			51.2								
45			80	51.7	Km 51.7 = Km 52.0						
				52.3	Bischofshofen (in Bo) *Bo*						
				53.2	Bischofshofen Fbf (in Bo) *Bob*						
			70	54.8							
			54.9								
46				55.3	Sbl Bo 1						
			55.4	Mitterberghütten							
			85								
			56.8								
49			90	56.9	Üst Bo 2						
				59.0	Sbl Bo 3						
				61.3	St.Johann i.P.						
			62.9	Sbl Jp 1							
			64.1	Sbl Jp 2							
52				64.4							
			70								
			0.0	Schwarzach-St.V.							
0.57		1.12									

M 4369								– GSM-R – A –			
4	5	6	1	2	3	2a	1a				
0.57	1.12	19		0.0	Schwarzach-St.V.						
			60	0.7							
			90	1.7		Sbl Swa 1T					
			100	2.6		Loifarn (in Lof) *Lof* Bstg.a.B.					
			5.4	GPE							
			70	6.5		Loif.-Süd (in Lof) *Lsf* Km 7.1 = Km 7.4					
			6.8								
				7.1							
			80	7.7							
				9.3		Abzw Lof 1					
			90	9.5							
				10.8							
			100	11.7		Sbl Lof 2					
				14.3		Dorfgastein GPE					
			17.9								
30	32	35	90	18.2	Bad Hofgastein Hst außer Betrieb Abzw Hg 1						
			19.3								
			22.4								
			22.6								
			25.2								
			25.4	Angertal Bstg.a.B. Abzw Al 1							
			27.7								
			70	29.1							
				29.4							

M 4369							– GSM-R – A –		
4	5	6	1	2	3	2a	1a		
1.46		1.41		29.4	Bad Gastein				
			60	30.1					
			70	30.4					
		54	100	33.9	Böckstein				
				34.2				Sbl Bs 1	
				36.1				Sbl Bs 2	
				37.9				Sbl Bs 3	
				40.4				Sbl Bs 4	
				41.9				GPE	
				43.0				Mallnitz-Hintertal (in Ma) *Mth* Bstg.a.B.	
		2.04	80	43.3	Mallnitz-Obervell. (in Ma) *Ma*				
				45.9				Km 46.0 = Km 46.9	
			90	46.0				Sbl Ma 1	
		09		48.7				Üst Ma 2	
				51.7					
			52.6						
		85	52.7						
		90	54.2	Sbl Ma 3					
			55.8	Oberfalkenstein					
			57.9	Km 57.9 = Km 58.3					
		14	58.4	Penk					
			61.6	Sbl Pk 1					
			64.8	Kolbnitz					
		18	67.1	Sbl Kl 1					
			69.1	Üst Kl 2					
			2.21						

M 4369							– GSM-R – A –			
4	5	6	1	2	3		2a	1a		
2.30		2.21	90	69.1	Üst Kl 2					
		24		69.4	Mühdorf-Möllbrücke					
		25	100	72.8	Pusarnitz (in Uz)					
				74.0	Pusarnitz-Süd (in Uz)					
		25		*Uzs*						
				74.4	Abzwzw Str. 40701 (in Uz)					
				75.0	Km 75.0 = Km 75.1					
				77.7	Sbl Uz 1					
				80.8	GPE					
		38		200.1	Spittal-Millst.					
47			70							
				199.4						
			80							
				198.7						
			100	196.3	Sbl Stt 1					
				191.7	Rothenthurn					
				190.1	Schutzstrecke					
				188.1	AB (Awanst)					
				187.2	Sbl Ro 1					
				187.0	Ferndorf					
52				185.7	Markt Paternion					
				183.2	Paternion-Feistr.					
				178.7	AB (Awanst)					
				177.7	Weißerst.-K.					
				177.5	Sbl Pf 1					
				174.5						
			80	174.0	Puch					
		2.59		172.8	Gummern					
				171.9						
			100	171.4	AB (Awanst)					

M 4369							– GSM-R – A –			
4	5	6	1	2	3		2a	1a		
3.09			100	171.4	AB (Awanst)					
				169.2	Sbl Gu 1					
			90	168.8						
		3.04		166.5	Abzw Gu 2					
			50	165.6	Km 165.6 = Km 0.0					
				0.9	Km 0.9 = Km 378.3	V-Draubücke (in Vb) *Vbd*				
		07		378.3						
				378.5						
			60							
				378.9						
17			90		Str. 413	Str. 413-14				
				379.1	V. Westbf (in Vb)					
				*Vf*						
			100	380.7						
			95	381.2	AB (Awanst)					
				381.7	Villach Warmbad	Villach Warmbad				
			100							
					Str. 413-19					
		22		382.7	V.S. Gvbf-Auen (in Vsv) *Vu*					
					Km 383.6 = Km 5.5					
3.23					Villach Süd Gvbf (in Vsv) *Vsv*	V.S. Gvbf-Ausfgr. (in Vsv) *Va*				
				384.0						
						3.7				

M 4369						Str. 413 – GSM-R – A –		Str. 413-19 – GSM-R – A –	
4	5	6	1	2	3	2a	1a		
			100		V.S. Gvbf-Ausfgr. (in Vsv) *Va*	3.7	100		
		3.25		386.5	Fürnitz (in Vsv) *Fn*				
					Str. 413-18 V.S. Gvbf-Einfgr. (in Vsv) *Ve*	2.3			
				389.3	Neuhaus a.d.Gail (in Vsv) Km 1.2 = Km 1.8	0.4			
		27		389.7	Neuhaus a.d.Gail (in Vsv) ← V.S. Gvbf-West → (in Vsv) *Vw*	389.7			
			100		Pöckau				
		31		392.1	Arnoldstein				
		3.36		395.0	Thörl-Maglarn				
				400.2	– GSM-R – Ende –				
				401.0	Staatsgrenze n. Thörl-M.				
3.44				88.8	Tarvisio Boscoverde				

# Muster 4370<sub>nP</sub>

BT 437 b Js-Vf Bh = 59%  
438 a Vi-Gu Z2 Bh = 28%  
437 b Gu Z2-AI Bh = 70%  
438 a Al-Hg Bh = 68%  
437 b Hg-Lsf Bh = 68%  
438 a Lsf-Swa Bh = 70%  
408 b Swa-Sb Bh = 70%

# M 4370

M 4370								Vmax = 100 km/h Bhmax = 70%			
4	5	6	1	2	3	2a	1a				
0.00		19	35	630.2	Jesenice  Km 637.3 = Km 53.6 – <u>GSM-R – A</u> –  Staatsgrenze n. Rosenbach						
			70	631.3							
			50	633.6							
			80	637.3							
			70	53.6							
			70	49.4							
			60	22.6							
			70	22.1							
			70	19.8							
			70	19.5							
25			90	16.6	Ledenitzen  Faak am See						
			80	16.0							
			80	12.3							
			80	10.7							
0.29			70	7.1	Finkenstein  Gödersdorf (in Vsv)						
			70	7.0							
			80	5.8							
			80	5.4							

M 4370							
- GSM-R-A -							
4	5	6	1	2	3	2a	1a
			80	5.4	Gödersdorf (in Vsv)		
			80	5.1	Str. 222 ← V.S. Gvbf-Ost → (in Vsv) *Vo*		80
0.34				3.9	Km 3.9 = Km 383.1	0.6	
			383.1		Km 2.5 = Km 385.9		
			100		Str. 413-17 Fürnitz (in Vsv) *Fn*	386.5	100
					Km 387.3 = Km 0.0		
					Str. 413-15 V.S. Gvbf-Einfgr. (in Vsv) *Ve*	2.3	
					Str. 413-19 V.S. Gvbf-Ausfgr. (in Vsv) *Va*	3.7	
					Km 5.5 = Km 383.6	5.5	
					Str. 413 ← V.S. Gvbf-Auen → (in Vsv) *Vu*	382.7	
35				382.7	Villach Warmbad		
				381.7	Villach Warmbad	381.7	
				381.2	AB (Awanst)		
					Str. 413-14 ← V. Westbf (in Vb) → *Vf*	379.1	
0.39		44		379.1			
			60		V.-Draubücke (in Vb) *Vbd*		
0.47				378.3			

M 4370							
- GSM-R-A -							
4	5	6	1	2	3	2a	1a
					V.-Draubücke (in Vb) *Vbd*		
		0.47		378.3	Km 378.3 = Km 0.9		
			50	0.9	Km 0.0 = Km 165.6		
		50		166.5	Abzw Gu 2		
			90				
			168.8				
			100	169.0	Sbl Gu 1		
				171.4	AB (Awanst)		
			171.9				
		55	80	172.8	Gummern		
				174.0	Puch		
			174.5				
			100	177.4	Sbl Pf 1		
				177.7	Weißerst.-K.		
				178.7	AB (Awanst)		
		1.02		183.2	Paternion-Feistr.		
				185.7	Markt Paternion		
				187.0	Ferndorf		
				187.1	Sbl Ro 1		
				188.1	AB (Awanst)		
				190.0	Schutzstrecke		
		1.07		191.7	Rothenthurn		
				196.2	Sbl Stt 1		
				198.4	GPE		
			80	198.7			
				199.4			
			70				
				200.1			

M 4370								- GSM-R - A -		
4	5	6	1	2	3	2a	1a			
1.14		1.24		200.1	<b>Spittal-Millst.</b> Sbl Uz 1 Km 75.1 = Km 75.0 Abzww Str. 40701 (in Uz) <b>Pusarnitz-Süd</b> (in Uz) *Uzs*					
			100	80.9						
				77.9						
				75.1						
			30	74.4						
			30	74.0						
			31	72.8						
				69.4						
			34	69.1						
				67.3						
		38		64.8	<b>Kolbnitz</b> Sbl Kl 1 Sbl Pk 1					
			44	61.7						
				58.4						
				58.3						
				55.8						
				54.5						
			50	51.7						
				48.9						
				46.9						
				45.9						
1.56		2.02		80	<b>Mallnitz-Obervell.</b> (in Ma) *Ma* <b>Mallnitz-Nord</b> (in Ma) *Mtn* <b>Mallnitz-Hintertal</b> (in Ma) *Mth* Bstg.a.B.					
				45.1						
			04	43.3						
			2.07	43.2						
				42.2						
				40.7						
				38.2						

M 4370								- GSM-R - A -			
4	5	6	1	2	3	2a	1a				
	2.13		100	38.2	Sbl Bs 2 Sbl Bs 1 <b>Böckstein</b> GPE						
				36.4							
				34.2							
				34.1							
			33.9								
			70	30.4	<b>Bad Gastein</b>						
			60	30.1							
			29.4								
			29.1								
			27.7								
19	80	26.1	<b>Angertal</b> Bstg.a.B.								
21	70	25.4									
	65	23.7									
	70	23.6									
24	70	22.6									
	24		70	22.4	Abzw Hg 1 Hst außer Betrieb						
				20.9							
			65								
			90	20.8				<b>Bad Hofgastein</b>			
				19.3							
				18.2							
				14.3	<b>Dorfgastein</b> Sbl Lof 2 GPE						
			2.31	11.8							
				11.1							
				10.8							

M 4370							– GSM-R – A –			
4	5	6	1	2	3	2a	1a			
2.43	2.34	36		10.8	Loif.-Süd (in Lof) *Lsf*					
			90	9.5						
			80	9.3						
			70	7.7						
				7.4						
	38			6.8	Loifarn (in Lof) *Lof* Bstg.a.B.					
			90	6.3						
				5.4						
	53			2.4	Schwarzach-St.V.					
				2.4						
				1.4						
	3.00			0.7	St.Johann i.P.					
			60	66.5						
			70	64.4						
			90	64.3						
				63.1						
	03			61.3	Bischofshofen Fbf (in Bo) *Bob*					
				59.2						
				56.9						
			85	56.8						
				55.4						
			70	55.3						
				55.1						
			80	54.8						
	3.06			53.2						

M 4370							– GSM-R – A –			
4	5	6	1	2	3	2a	1a			
		3.06	80	53.2	Bischofshofen Fbf (in Bo) *Bob*					
				52.3						
				52.0						
			90	51.2						
				50.5						
	12		100	50.2	Werfen					
				47.8						
			90	46.6						
				45.2						
			80	44.5						
	18		70	44.2						
				42.2						
				41.5						
				38.7						
				38.6						
	22			37.1						
				34.5						
				31.7						
				31.6						
			90	31.3						
			90	31.1	Golling-Abt.					
			100	29.2						
				28.8						
				26.2						
				25.6						
				25.2						



M 4370							– GSM-R – A –			
4	5	6	1	2	3		2a	1a		
3.31			100	25.2	Kuchl Lst (Awanst)					
				24.5	Sbl HI 4					
				22.9	Üst HI 3					
				22.4	Kuchl Garnei					
				21.7	Sbl HI 2					
				20.9	Bad Vigaun					
				20.1	Sbl HI 1					
				19.4	Hallein Burgfried					
				17.8	Hallein					
				16.0	Oberalm					
34				14.9	Sbl Aj 7					
				14.5	Puch bei Hallein					
				13.8	Sbl Aj 6					
				13.2	Puch Urstein					
				12.2	Üst Aj 5					
				10.3	Sbl Aj 2					
				9.0	Elsbethen					
				8.7	Sbl Aj 1					
				7.9	Salzburg Süd					
				7.8						
41			95	6.6	Salzburg Aigen					
				5.8						
				5.1						
				4.5	Salzburg Parsch					
3.43			100	3.5	Sb Gnigl-Einfgr. (in Sb) *Sre*					
				3.1						
				3.0	Salzburg Gnigl (in Sb)					

M 4370							– GSM-R – A –			
4	5	6	1	2	3		2a	1a		
3.45		3.48	90	3.0	Salzburg Gnigl (in Sb)					
				2.4	Salzbg. Gnigl-Vbf (in Sb) *Sr*					
				2.2	GPE					
			60	2.1	Salzburg Sam (in Sb)					
3.55		3.52		1.0	Salzbg.-Mitte (in Sb) *Sbm*					
				0.0	Salzburg Hbf (in Sb) *Sb*					

# Muster 4371

nP

BT 408 b Sb-Swa Bh = 70%  
437 b Swa-Ma Bh = 69%  
438 a Ma-Uz Bh = 69%  
437 b Uz-Gu Z2 Bh = 65%  
438 a Gu Z2-Vf Bh = 70%  
437 b Vf-Js Bh = 70%

M 4371							Vmax = 100 km/h Bhmax = 70% – GSM-R – A –			
4	5	6	1	2	3	2a	1a			
0.00	03	05	60	0.0	Salzburg Hbf (in Sb) *Sb*					
				1.0	Salzbg.-Mitte (in Sb) *Sbm*					
			90	2.1	Salzburg Sam (in Sb)					
				2.4	Salzbg. Gnigl-Vbf (in Sb) *Sr*					
			95	3.0	Salzburg Gnigl (in Sb)					
				3.1	Sb Gnigl-Einfgr. (in Sb) *Sre*					
			90	4.5	Salzburg Parsch					
				5.1	Salzburg Aigen					
			100	5.8						
				6.6						
0.13			7.9	Salzburg Süd						
			8.6	Sbl Aj 1						
			9.0	Elsbethen						
			10.1	Sbl Aj 2						
			12.2	Üst Aj 5						
			13.2	Puch Urstein						
			13.3	Sbl Aj 6						
			14.5	Puch bei Hallein						

# M 4371

– GSM-R – A –

4	5	6	1	2	3	2a	1a
0.16		20	100	14.5	Puch bei Hallein		
				14.8	Sbl Aj 7		
				16.0	Oberalm		
				17.8	Hallein		
				19.4	Hallein Burgfried		
				20.0	Sbl HI 1		
				20.9	Bad Vigaun		
				21.1	Sbl HI 2		
				22.4	Kuchl Garnei		
				22.9	Üst HI 3		
				24.3	Sbl HI 4		
				25.2	Kuchl Lst (Awanst)		
				25.6	Kuchl		
				26.1	Sbl HI 5		
				28.0	PZB 1000 Hz		
				28.8	Golling-Abt.		
				29.2			
				31.0	Schutzstrecke		
			90	31.1	GPE		
				31.3			
				31.6	AB (Awanst)		
			70	31.6	Sbl Gg 1		
				34.5	Üst Gg 2		
				37.0	Sbl Gg 3		
				38.6	Üst Gg 4		
				38.7	Sulzau Lst		
				41.4	Sbl Gg 5		
				42.2	Tenneck (Awanst)		
				44.2			

M 4371								- GSM-R - A -			
4	5	6	1	2	3	2a	1a				
0.54	0.37			44.2	Werfen  Pfarrwerfen  Sbl Rf 1 Sbl Rf 2  Km 51.7 = Km 52.0 <b>Bischofshofen</b> (in Bo) *Bo* <b>Bischofshofen Fbf</b> (in Bo) *Bob*  Sbl Bo 1 Mitterberghütten  Üst Bo 2 Sbl Bo 3 <b>St.Johann i.P.</b>  Sbl Jp 1 Sbl Jp 2  <b>Schwarzach-St.V.</b>						
			80	44.5							
			90	45.2							
			100	46.6							
				46.7							
				47.7							
				49.6							
				50.5							
			90	51.2							
			80	51.7							
				52.3							
				53.2							
				54.8							
			70	54.9							
				55.3							
				55.4							
	85										
		56.8									
	90	56.9									
	46	59.0									
		61.3									
		62.9									
	49	64.1									
		64.4									
	70										
		0.0									

M 4371								- GSM-R - A -			
4	5	6	1	2	3	2a	1a				
0.54	1.04	11		0.0	Schwarzach-St.V.						
			60	0.7							
			90	1.7				Sbl Swa 1T			
			100	2.6				Loifarn (in Lof) *Lof* Bstg.a.B.			
				5.4				GPE			
				6.4							
			70	6.5				Loif.-Süd (in Lof) *Lsf* Km 7.1 = Km 7.4			
				6.8							
				7.1							
				7.7							
			80	9.3				Abzw Lof 1			
			90	9.5							
				10.8							
			100	11.7				Sbl Lof 2			
				14.3				Dorfgastein			
				17.9				GPE			
				18.2							
			90	19.3				Bad Hofgastein			
				22.4				Hst außer Betrieb			
				22.6				Abzw Hg 1			
			70	25.2							
			80	25.4				Angertal Bstg.a.B.			
				27.7				Abzw Al 1			
				29.1							
			70	29.4							

M 4371						– GSM-R – A –			
4	5	6	1	2	3	2a	1a		
1.38	1.33			29.4	Bad Gastein				
			60	30.1					
			70	30.4					
			100	33.9					
	44			34.2	Böckstein				
				36.1		Sbl Bs 1			
				37.9		Sbl Bs 2			
				40.4		Sbl Bs 3			
				41.9	Mallnitz-Hintertal (in Ma) *Mth* Bstg.a.B.	Sbl Bs 4			
				43.0		GPE			
54				43.3	Mallnitz-Obervell. (in Ma) *Ma*				
			80	45.9					
			90	46.0		Km 46.0 = Km 46.9			
				48.7		Sbl Ma 1			
	2.00			51.7		Üst Ma 2			
			85	52.6					
			90	52.7		Sbl Ma 3			
				54.2		Oberfalkenstein			
	04			57.9	Penk	Km 57.9 = Km 58.3			
				58.4					
09				61.6	Kolbnitz	Sbl Pk 1			
				64.8					
				67.1		Sbl Kl 1			
				69.1		Üst Kl 2			
	2.12								

M 4371									– GSM-R – A –		
4	5	6	1	2	3	2a	1a				
2.21		2.12	90	69.1	Üst Kl 2						
				69.4	Mühldorf-Möllbrücke						
		14	72.8	Pusarnitz (in Uz)							
		15	100	Pusarnitz-Süd (in Uz) *Uzs*							
	16		74.4	Abzww Str. 40701 (in Uz)							
			75.0	Km 75.0 = Km 75.1							
	27		77.7	Sbl Uz 1							
			80.8	GPE							
			200.1	Spittal-Millst.							
			70								
36			80	199.4							
			198.7								
		100	196.3	Sbl Stt 1							
			191.7	Rothenthurn							
			190.1	Schutzstrecke							
			188.1	AB (Awanst)							
			187.2	Sbl Ro 1							
			187.0	Ferndorf							
	41		185.7	Markt Paternion							
			183.2	Paternion-Feistr.							
2.48			178.7	AB (Awanst)							
			177.7	Weißerst.-K.							
			177.5	Sbl Pf 1							
			174.5								
			80	174.0	Puch						
			172.8	Gummern							
			171.9								
		100	171.4	AB (Awanst)							

M 4371							- GSM-R - A -			
4	5	6	1	2	3	2a	1a			
2.53			100	171.4 169.2 168.8	AB (Awanst) Sbl Gu 1					
			90							
			50	166.5 165.6 0.9	Abzw Gu 2 Km 165.6 = Km 0.0 Km 0.9 = Km 378.3					
				378.3 378.5	V-Draubücke (in Vb) *Vbd*					
			60							
56				378.9						
			90		Str. 413					
					Str. 413-14					
				379.1	V. Westbf (in Vb) → *Vf*					
			100	381.2 381.7	AB (Awanst) Villach Warmbad					
3.13					Villach Warmbad					
					Str. 222					
					Str. 413-19					
				382.7	V.S. Gvbf-Auen → (in Vsv) *Vu*					
					Km 383.6 = Km 5.5					
3.18				383.1	Km 383.1 = Km 3.9					
					Str. 222-11					
					V.S. Gvbf-Ausfgr. (in Vsv) *Va*					
				5.0						

M 4371				Str. 222 - GSM-R- A -				Str. 222-11 - GSM-R- A -			
4	5	6	1	2	3	2a	1a				
				5.0	Str. 413-17 V.S. Gvbf-Einfgr. (in Vsv) *Ve*  Km 0.0 = Km 387.3  Str. 413-16 Fürnitz (in Vsv) *Fn*  Km 385.9 = Km 2.5  ← V.S. Gvbf-Ost → (in Vsv) *Vo*	2.3	100				
			80								
3.19				5.1			80				
			80	5.4	Gödersdorf (in Vsv)						
			70	5.8							
			60	7.0		Finkenstein					
			80	7.5		Faak am See					
25				10.7	Ledenitzen						
			90	12.3							
				16.0							
			70	16.6							
				19.5							
29				19.7	Winkl im Rosental Sbl Lez 1 Rosenbach						
				47.8							
			49.4	52.9							
			80	PZB 1000 Hz							
				53.6							
3.35				53.6	Staatsgrenze n. Rosenbach Km 53.6 = Km 637.3 PZB 1000 Hz						
				53.6							
				634.6							
				633.6							

M 4371						
4	5	6	1	2	3	2a 1a
3.52				633.6	Jesenice	
			70	631.3		
			35	630.2		

Muster 4374<sub>nP</sub>

BT 437 b Js-Ve

M 4374

Vmax = 100 km/h Bhmax = 68%						
4	5	6	1	2	3	2a 1a
0.00			35	630.2	Jesenice	
			70	631.3		
			50	633.6		
				637.3	Km 637.3 = Km 53.6 – <u>GSM-R-A</u> – Staatsgrenze n. Rosenbach	
			80	53.6		
			70	49.4		
19				22.6	Rosenbach	
			60			
			70	22.1		
				19.8	Sbl Lez 1 Winkl im Rosental	
				19.5		
				16.6		
25			90	16.0	Ledenitzen	
				12.3		
				10.7		
0.29			80	10.7	Faak am See	
				7.1		
			70	7.0		
				5.8	Finkenstein	
			80	5.4		
					Gödersdorf (in Vsv)	

M 4374						
– GSM-R– A –						
4	5	6	1	2	3	2a
			80	5.4	Gödersdorf (in Vsv)	1a
			80	0.6	Str. 413-16 V.S. Gvbf-Ost (in Vsv) *Vo* Km 2.5 = Km 385.9	80
	0.34				V.S. Gvbf-Ausfgr. (in Vsv) *Va*	5.1
						3.7
					Str. 413-17 Fürnitz (in Vsv) *Fn*	
		0.37	100	386.5	Km 387.3 = Km 0.0	
0.42				2.3	V.S. Gvbf-Einfgr. (in Vsv) *Ve*	2.3

M 4375						
BT 437 b Va-Js						
4	5	6	1	2	3	4
			100	Vmax = 100 km/h Bhmax = 65% – GSM-R– A –		
		0.00		3.7 (in Vsv) *Va*	V.S. Gvbf-Ausfgr.	
		04		5.1 (in Vsv) *Vo*	V.S. Gvbf-Ost	
			80	5.4	Gödersdorf (in Vsv)	
			70	5.8		
			60	7.0	Finkenstein	
			80	7.5	Faak am See	
		10		10.7		
			90	12.3	Ledenitzen	
		14		16.0		
			70	16.6	Winkl im Rosental	
				19.5	Sbl Lez 1	
		0.20		19.7	Rosenbach	
				47.8		
			80	49.4	PZB 1000 Hz	
				52.9	– GSM-R– Ende –	
			50	53.6	Staatsgrenze n. Rosenbach	
				53.6	Km 53.6 = Km 637.3	
				634.6	PZB 1000 Hz	
			70	633.6		
				631.3		

M 4375					
4	5	6	1	2	3
0.37			631.3	Jesenice	
			630.2		

Muster 4376 <sub>nP</sub>					
BT 432 b Tbv-Vbo					
M 4376					
4	5	6	1	2	3
Vmax = 100 km/h Bhmax = 69%					

					2a	1a
		0.00	100	88.8	Tarvisio Boscoverde – GSM-R – A – Staatsgrenze n. Thörl-M. Thörl-Maglern Arnoldstein Pöckau	
		06		94.3		
		09		400.2		
				395.0		
				392.1		
		13	100	389.7	Str. 413 ← V.S. Gvbf-West → (in Vsv) *Vw*	100
				389.3	Neuhaus a.d. Gail (in Vsv) Neuhaus a.d. Gail (in Vsv) Km 1.8 = Km 1.2	0.0
		15		386.5	Fürnitz (in Vsv) *Fn* Str. 413-19 V.S. Gvbf-Einfgr. (in Vsv) *Ve*	0.4
					Villach Süd Gvbf (in Vsv) *Vsv*	2.3
		16		384.0	V.S. Gvbf-Ausfgr. (in Vsv) *Va* Km 5.5 = Km 383.6 Str. 413-14 ← V.S. Gvbf-Auen → (in Vsv) *Vu*	3.7
					Villach Warmbad	5.5
		0.17		382.7		382.7
				381.7		



M 4376				Str. 413 - GSM-R - A -		Str. 413-14 - GSM-R - A -	
4	5	6	1	2	3	2a	1a
		0.21	100	381.7	Villach Warmbad	Villach Warmbad	100
				381.2	AB (Awanst)	V. Westbf (in Vb) →	381.7
				379.1	← *Vf*	→	379.1
0.26		22	100	1.1	V.-Draubücke (in Vb) *Vbd*		
			60	0.3			
				0.0			
				164.3			
			100	164.0			
				Km 0.0 = Km 164.6	Villach Hbf (in Vb) *Vb*		
		0.24			Villach Hbf-Ostbf (in Vb) *Vbo*		

Muster 4377

BT 432 b Vbo-Tbv

M 4377

Vmax = 100 km/h Bhmax = 65% – GSM-R – A –							
4	5	6	1	2	3	2a	1a
		0.00	100	163.5 163.6	Villach Hbf-Ostbf (in Vb) *Vbo*		
			95				
			60	164.0 164.3 164.6			
				0.3 0.8			
		03	100	379.1	Villach Hbf (in Vb) *Vb* Km 164.6 = Km 0.0 V.-Draubücke (in Vb) *Vbd*	Str. 413 V. Westbf (in Vb) → *Vf*	379.1
			95	380.7 381.2			
			100	381.7			
		04	100	382.7	Villach Süd Gvbf (in Vsv) *Vsv*	Str. 413-19 V.S. Gvbf-Auen → (in Vsv) *Vu*	381.7
			95				
			60	384.0			
		06	100	382.7	Villach Warmbad Villach Warmbad Str. 413-19 V.S. Gvbf-Auen → (in Vsv) *Vu*	Km 383.6 = Km 5.5 Villach Süd Gvbf (in Vsv) *Vsv*	382.7
			95				
			60	384.0			
		10	100	386.5	Fürnitz (in Vsv) *Fn*	V.S. Gvbf-Ausfgr. (in Vsv) *Va*	3.7
			95				
			60				
		11	100	386.5	Fürnitz (in Vsv) *Fn*	V.S. Gvbf-Ausfgr. (in Vsv) *Va*	3.7
			95				
			60				
		0.13	100	386.5	Fürnitz (in Vsv) *Fn*	V.S. Gvbf-Ausfgr. (in Vsv) *Va*	3.7
			95				
			60				

Str. 413 – GSM-R – A –				Str. 413-19 – GSM-R – A –			
4	5	6	1	2	3	2a	1a
M 4377		0.13	100	386.5	<b>Fürnitz</b> (in Vsv) *Fn*  <b>Str. 413-18</b> <b>V.S. Gvbf-Einfgr.</b> (in Vsv) *Ve*  Km 1.2 = Km 1.8  Neuhaus a.d.Gail (in Vsv)  Neuhaus a.d.Gail (in Vsv)  <b>← V.S. Gvbf-West →</b> (in Vsv) *Vw*	2.3	100
		15		389.3		0.4	
				389.7		389.7	
-----							
0.31		19	100	392.1	Pöckau		
		0.24		395.0	<b>Arnoldstein</b>		
				400.2	<b>Thörl-Maglern</b>		
				401.0	– <u>GSM-R– Ende</u> – Staatsgrenze n. Thörl-M. <b>Tarvisio</b> <b>Boscoverde</b>		
-----							

Str. 413 – GSM-R – A –				Str. 413-19 – GSM-R – A –			
4	5	6	1	2	3	2a	1a
M 4378		0.00	100	88.8	<b>Tarvisio</b> <b>Boscoverde</b> – <u>GSM-R – A</u> –  Staatsgrenze n. Thörl-M. <b>Thörl-Maglern</b> <b>Arnoldstein</b>		
		06		94.3			
		10		400.2			
-----							
0.18				395.0	Pöckau		
				392.1	<b>Str. 413-18</b> <b>Str. 413-18</b> <b>← V.S. Gvbf-West →</b> (in Vsv) *Vw*	389.7	100
				0.0			
				0.4	Neuhaus a.d.Gail (in Vsv)  <b>Str. 413</b> Neuhaus a.d.Gail (in Vsv)  <b>Str. 413-15</b> <b>Fürnitz</b> (in Vsv) *Fn*  Km 1.8 = Km 1.2 Km 385.2 = Km 5.7 <b>V.S. Gvbf-Ausfgr.</b> (in Vsv) *Va*  <b>← V.S. Gvbf-Einfgr. →</b> (in Vsv) *Ve*	389.3	
-----							

# Muster 4379

BT 432 b Va-Tbv

M 4379

Vmax = 100 km/h Bhmax = 65% - GSM-R - A -					
4	5	6	1	2	3
0.23		0.00	100	3.7 (in Vsv) *Va*	V.S. Gvbf-Ausfgr.
		06	5.7 386.5	5.7 Km 5.7 = Km 385.2 (in Vsv) *Fn*	Fürnitz
		08	389.3	Neuhaus a.d.Gail (in Vsv)	V.S. Gvbf-West
		12	389.7	(in Vsv) *Vw*	
		0.17	392.1	Pöckau	Arnoldstein
			395.0		Thörl-Maglarn
			400.2		- GSM-R - Ende -
			401.0	Staatsgrenze n. Thörl-M.	Tarvisio
			88.8		Boscoverde

# Muster 4380

BT 438 a Js-Swa Bh = 70%  
409 b Swa-Sb Bh = 64%

M 4380

Vmax = 90 km/h Bhmax = 70%					
4	5	6	1	2	3
		0.00	35	630.2	Jesenice
			70	631.3	
			50	633.6	Km 637.3 = Km 53.6
				637.3	- GSM-R - A -
			80	53.6	Staatsgrenze n. Rosenbach
			70	49.4	
		19	60	22.6	Rosenbach
			70	22.1	
				19.8	Sbl Lez 1
				19.5	Winkl im Rosental
		25	90	16.6	Ledenitzen
		29	80	16.0	Faak am See
				12.3	
			80	10.7	
			70	7.1	
				7.0	Finkenstein
			80	5.8	
				5.4	Gödersdorf (in Vsv)
		0.34	80	5.1	Str. 222
					Str. 413-16
					V.S. Gvbf-Ost
					(in Vsv) *Vo*
					80
					0.6

M 4380						Str. 222 – GSM-R – A –		Str. 413-16 – GSM-R – A –			
4	5	6	1	2	3	2a	1a				
0.40		0.34	80	5.1	← V.S. Gvbf-Ost → (in Vsv) *Vo*	0.6	80				
			3.9	Km 3.9 = Km 383.1							
			383.1		Km 2.5 = Km 385.9						
			90	383.1	Str. 413-17 Fürnitz (in Vsv) *Fn*	386.5	90				
					Km 387.3 = Km 0.0						
	36			Str. 413-19 V.S. Gvbf-Einfgr. (in Vsv) *Ve*	2.3						
				V.S. Gvbf-Ausfgr. (in Vsv) *Va*	3.7						
				Str. 413 V.S. Gvbf-Auen → (in Vsv) *Vu*	5.5						
			382.7	→	382.7						
			381.7	Villach Warmbad	381.7						
	45		381.2	AB (Awanst)	Villach Warmbad	381.7					
			Str. 413-14 V. Westbf (in Vb) → *Vf*								
			379.1	→	379.1						
			60								
					48	378.3	(in Vb) *Vbd*	V.-Draubücke			
0.9	Km 378.3 = Km 0.9										
50		Km 0.0 = Km 165.6									
0.51		0.51				166.5	Abzw Gu 2				

M 4380								– GSM-R – A –		
4	5	6	1	2	3	2a	1a			
0.51				166.5	Abzw Gu 2	1.04	56			
			90	169.0	Sbl Gu 1					
				171.4	AB (Awanst)					
			171.9	Gummern						
			80	172.8	Puch					
				174.0						
				174.5						
			90	177.4	Sbl Pf 1					
				177.7	Weißent.-K.					
				178.7	AB (Awanst)					
1.04				183.2	Paternion-Feistr.					
				185.7	Markt Paternion					
				187.0	Ferndorf					
				187.1	Sbl Ro 1					
				188.1	AB (Awanst)					
				190.0	Schutzstrecke					
				191.7	Rothenthurn					
				196.2	Sbl Stt 1					
				198.4	GPE					
				198.7						
1.17			80							
				199.4						
			70							
				200.1						
			90	80.9	Spittal-Millst.					
				77.9	Sbl Uz 1					
				75.1	Km 75.1 = Km 75.0					
				74.4	Abzww Str. 40701 (in Uz)					
					Pusarnitz-Süd (in Uz)					
				74.0	*Uzs*					

M 4380								– GSM-R – A –		
4	5	6	1	2	3	2a	1a			
1.59		1.33	90	74.0 *Uzs*	Pusarnitz-Süd (in Uz)					
		34		72.8	Pusarnitz (in Uz)					
		37		69.4	Mühdorf-Möllbrücke					
				69.1	Üst Kl 2					
		41		67.3	Sbl Kl 1					
				64.8	Kolbnitz					
		47		61.7	Sbl Pk 1					
				58.4	Penk					
				58.3	Km 58.3 = Km 57.9					
				55.8	Oberfalkenstein					
				54.5	Sbl Ma 3					
		53		51.7	Üst Ma 2					
				48.9	Sbl Ma 1					
				46.9	Km 46.9 = Km 46.0					
		2.05		45.9	Mallnitz-Obervell. (in Ma) *Ma*					
		07	80	45.1	Mallnitz-Nord (in Ma) *Mtn*					
		10		43.3	Mallnitz-Hintertal (in Ma) *Mth* Bstg.a.B.					
			90	43.2						
				42.2	Sbl Bs 4					
				40.7	Sbl Bs 3					
				38.2	Sbl Bs 2					
				36.4	Sbl Bs 1					
		2.16		34.2	Böckstein					
				34.1	GPE					
				33.9						

M 4380								– GSM-R – A –			
4	5	6	1	2	3	2a	1a				
				33.9	Bad Gastein						
			70								
		2.20	60	30.4							
				30.1							
			70	29.4							
				29.1							
		22	80	27.7		Abzw Al 1					
				26.1							
		25	70	25.4		Angertal Bstg. a.B.					
				23.7							
			65								
			70	23.6							
		27		22.6	Abzw Hg 1						
			70	22.4	Hst außer Betrieb						
				20.9							
			65								
				20.8	Bad Hofgastein Dorfgastein						
		30	90	19.3							
		34		14.3							
				11.8		Sbl Lof 2					
				11.1	GPE						
				9.5							
		37	80	9.3	Abzw Lof 1						
				7.7							
			70	7.4	Km 7.4 = Km 7.1						
		2.39		6.8	Loif.-Süd (in Lof) *Lsf*						
				6.3							

M 4380							– GSM-R – A –			
4	5	6	1	2	3	2a	1a			
2.46	2.41		90	6.3	Loifarn (in Lof) *Lof* Bstg. a.B.					
				5.4						
				2.4	Sbl Swa 1T					
				1.4	PZB 1000 Hz					
				0.7						
	56		60	66.5	Schwarzach-St.V.					
				70						
				85	Sbl Jp 2					
				63.1	Sbl Jp 1					
				61.3	St.Johann i.P.					
	3.02		90	59.2	Sbl Bo 3					
				56.9	Üst Bo 2					
				56.8						
				85						
				55.4						
	05		70	55.3	Mitterberghütten					
				55.1	Sbl Bo 1					
				54.8						
				53.2	Bischofshofen Fbf (in Bo) *Bob*					
				08						
	3.09		80	52.5	Bischofshofen (in Bo) *Bo*					
				52.3						
				52.0	Km 52.0 = Km 51.7					
				51.2						
				50.2	Sbl Rf 2					
			90	47.8	Sbl Rf 1					

M 4380							– GSM-R – A –			
4	5	6	1	2	3	2a	1a			
	3.14		90	47.8	Sbl Rf 1					
				46.6	Pfarwerfen					
				45.2	Werfen					
			80	44.5						
				44.2						
	20		70	42.2	Tenneck (Awanst)					
				41.5	Sbl Gg 5					
				38.7	Sulzau Lst					
				38.6	Üst Gg 4					
				37.1	Sbl Gg 3					
	23			34.5	Üst Gg 2					
				31.7	Sbl Gg 1					
				31.6	AB (Awanst)					
				31.3						
				31.1	Schutzstrecke					
	28		90	28.8	Golling-Abt.					
				26.2	Sbl HI 5					
				25.6	Kuchl					
				25.2	Kuchl Lst (Awanst)					
				24.5	Sbl HI 4					
	32			22.9	Üst HI 3					
				22.4	Kuchl Garnei					
				21.7	Sbl HI 2					
				20.9	Bad Vigaun					
				20.1	Sbl HI 1					
	3.36			19.4	Hallein Burgfried					
				17.8	Hallein					
				16.0	Oberalm					
				14.9	Sbl Aj 7					

M 4380						
– GSM-R – A –						
4	5	6	1	2	3	2a 1a
3.49	3.55	3.40	90	14.9	Sbl Aj 7	
				14.5	Puch bei Hallein	
				13.8	Sbl Aj 6	
				13.2	Puch Urstein	
				12.2	Üst Aj 5	
				10.3	Sbl Aj 2	
				9.0	Elsbethen	
				8.7	Sbl Aj 1	
				7.9	Salzburg Süd	
				5.8	Salzburg Aigen	
			4.5	Salzburg Parsch		
			3.5	Sb Gnigl-Einfgr. (in Sb) *Sre*		
			3.0	Salzburg Gnigl (in Sb)		
3.49	3.55		60	2.4	Salzbg. Gnigl-Vbf (in Sb) *Sr*	
				2.2	GPE	
				2.1	Salzburg Sam (in Sb)	
3.58				1.0	Salzbg.-Mitte (in Sb) *Sbm*	
				0.0	Salzburg Hbf (in Sb) *Sb*	

# Muster 4381

nP

BT 409 b Sb-Swa Bh = 62%  
438 a Swa-Js Bh = 70%

M 4381						
Vmax = 90 km/h Bhmax = 70% – GSM-R – A –						
4	5	6	1	2	3	2a 1a
		0.00  03  05  07  09  <				

M 4381							– GSM-R – A –		
4	5	6	1	2	3	2a	1a		
0.22			90	20.9	Bad Vigaun				
				21.1	Sbl HI 2				
				22.4	Kuchl Garnei				
				22.9	Üst HI 3				
				24.3	Sbl HI 4				
				25.2	Kuchl Lst (Awanst)				
				25.6	Kuchl				
				26.1	Sbl HI 5				
				28.0	PZB 1000 Hz				
				28.8	Golling-Abt.				
26			70	31.0	Schutzstrecke				
				31.1	GPE				
				31.3					
				31.6	AB (Awanst)				
				31.6	Sbl Gg 1				
				34.5	Üst Gg 2				
				37.0	Sbl Gg 3				
				38.6	Üst Gg 4				
				38.7	Sulzau Lst				
				41.4	Sbl Gg 5				
31			80	42.2	Tenneck (Awanst)				
				44.2					
				44.5	Werfen				
				45.2					
				46.6	Pfarrwerfen				
				47.7	Sbl Rf 1				
				49.6	Sbl Rf 2				
				51.2					
				51.7	Km 51.7 = Km 52.0				
				35					90
46.6									
47.7									
49.6									
51.2									
51.7									
51.7									
51.7									
51.7									
51.7									
0.41			80	51.7					
				51.7					
				51.7					
				51.7					
				51.7					
				51.7					
				51.7					
				51.7					
				51.7					
				51.7					



M 4381							– GSM-R – A –		
4	5	6	1	2	3	2a	1a		
1.44		1.20	80	9.3 9.5	Abzw Lof 1				
		24	90	11.7	Sbl Lof 2				
		27		14.3	Dorfgastein				
				17.9	GPE				
				19.3	Bad Hofgastein				
		30		22.4	Hst außer Betrieb				
			70	22.6	Abzw Hg 1				
				25.2	Angertal Bstg.a.B.				
		33	80	25.4	Abzw Al 1				
		36		27.7					
			70	29.1					
				29.4	Bad Gastein				
		39	60	30.1					
				30.4					
			70						
				33.9	Böckstein				
		50	90	34.2					
				36.1	Sbl Bs 1				
				37.9	Sbl Bs 2				
				40.4	Sbl Bs 3				
				41.9	Sbl Bs 4				
				43.0	GPE				
		2.00		43.3	Mallnitz-Hintertal (in Ma) *Mth* Bstg.a.B.				

M 4381							– GSM-R – A –		
4	5	6	1	2	3	2a	1a		
		2.00		43.3	Mallnitz-Hintertal (in Ma) *Mth* Bstg.a.B.				
			80						
		02		45.9	Mallnitz-Obervell. (in Ma) *Ma*				
			90	46.0	Km 46.0 = Km 46.9				
				48.7	Sbl Ma 1				
		05		51.7	Üst Ma 2				
				52.6					
			85	52.7					
				90	54.2	Sbl Ma 3			
					55.8	Oberfalkenstein			
		10		57.9	Km 57.9 = Km 58.3				
				58.4	Penk				
		14		61.6	Sbl Pk 1				
				64.8	Kolbnitz				
				67.1	Sbl Kl 1				
		17		69.1	Üst Kl 2				
				69.4	Mühldorf-Möllbrücke				
		20		72.8	Pusarnitz (in Uz)				
		21		74.0	Pusarnitz-Süd (in Uz) *Uzs*				
				74.4	Abzww Str. 40701 (in Uz)				
		21		75.0	Km 75.0 = Km 75.1				
				77.7	Sbl Uz 1				
				80.8	GPE				
		2.32		200.1	Spittal-Millst.				
			70						
				199.4					

M 4381							- GSM-R - A -		
4	5	6	1	2	3	2a	1a		
				199.4					
			80						
			90	198.7					
		2.41		196.3	Sbl Stt 1				
				191.7	<b>Rothenthurn</b>				
				190.1	Schutzstrecke				
				188.1	AB (Awanst)				
				187.2	Sbl Ro 1				
				187.0	Ferndorf				
				185.7	Markt Paternion				
		47		183.2	<b>Paternion-Feistr.</b>				
				178.7	AB (Awanst)				
				177.7	Weißerst.-K.				
				177.5	Sbl Pf 1				
				174.5					
			80	174.0	Puch				
		55		172.8	<b>Gummern</b>				
				171.9					
			90	171.4	AB (Awanst)				
				169.2	Sbl Gu 1				
		3.00		166.5	Abzw Gu 2				
			50	165.6	Km 165.6 = Km 0.0				
				0.9	Km 0.9 = Km 378.3				
		3.03		378.3	<b>V-Draubücke</b>				
					(in Vb) *Vbd*				
			60	378.5					
				378.9					

M 4381								- GSM-R - A -			
4	5	6	1	2	3	2a	1a				
3.05	3.20	25		378.9							
			90		Str. 413	Str. 413-14		90			
				379.1	← V. Westbf (in Vb) →		379.1				
				381.2	*Vf*						
				381.7	AB (Awanst)						
					Villach Warmbad						
					Villach Warmbad		381.7				
					Str. 222	Str. 413-19					
				382.7	← V.S. Gvbf-Auen →		382.7				
					(in Vsv) *Vu*						
3.26			383.1	Km 383.1 = Km 3.9	Km 383.6 = Km 5.5						
					V.S. Gvbf-Ausfgr.		3.7				
			5.0	(in Vsv) *Va*							
			80		Str. 413-17						
					V.S. Gvbf-Einfgr.		2.3				
					(in Vsv) *Ve*						
					Km 0.0 = Km 387.3						
					Str. 413-16						
					Fürnitz (in Vsv) *Fn*		386.5				
					Km 385.9 = Km 2.5						
		← V.S. Gvbf-Ost →		0.6							
			(in Vsv) *Vo*								
			80	5.4	Gödersdorf (in Vsv)						
			70	5.8							
				7.0	Finkenstein						

– GSM-R – A –							
4	5	6	1	2	3	2a	1a
M 4381				7.0	Finkenstein		
			60				
			80	10.7			
		3.32		12.3			
		36	90	16.0			
		3.42	70	16.6			
				19.5			
				19.7			
				47.8			
				49.4			
3.59			80	52.9	PZB 1000 Hz		
					– GSM-R – Ende –		
				53.6	Staatsgrenze n. Rosenbach		
			50	53.6	Km 53.6 = Km 637.3		
				634.6	PZB 1000 Hz		
				633.6			
			70				
				631.3			
			35	630.2	Jesenice		

# Muster 4382<sub>nP</sub>

Muster für nP-Züge mit Bhmax 59% - Tunnel 50 km/h

BT 440 a Js-Vf Bh = 52%  
438 a Vf-Gu Z2 Bh = 28%  
437 b Gu Z2-Stt Bh = 59%  
440 a Stt-Swa Bh = 55%  
411 a Swa-Sb Bh = 55%

Vmax = 100 km/h Bhmax = 59%							
4	5	6	1	2	3	2a	1a
M 4382		0.00	35	630.2	Jesenice		
			50	631.3			
				637.3			
		18			Km 637.3 = Km 53.6		
					– GSM-R – A –		
			80	53.6	Staatsgrenze n. Rosenbach		
			70	49.4	Rosenbach		
			60	22.6			
			70	22.1			
				19.8	Sbl Lez 1		
		24		19.5	Winkl im Rosental		
			65	17.7	Ledenitzen		
			70	17.2			
			90	16.6			
				16.0	Faak am See		
			85	12.5			
			80	12.3			
				10.7			

<b>M 4382</b>						
<b>- GSM-R-A -</b>						
4	5	6	1	2	3	2a 1a
		0.28	<b>80</b>	10.7	<b>Faak am See</b>	
			<b>70</b>	<b>7.1</b>	Finkenstein	
			<b>80</b>	<b>5.8</b>	Gödersdorf (in Vsv)	
				5.4		
			<b>80</b>	5.1	<b>Str. 222</b> <b>V.S. Gvbf-Ost</b> → (in Vsv) *Vo*	<b>80</b> 0.6
		33		3.9	Km 3.9 = Km 383.1	
				<b>383.1</b>	Km 2.5 = Km 385.9	
			<b>90</b>		<b>Str. 413-17</b> <b>Fürnitz</b> (in Vsv) *Fn*	<b>386.5</b> <b>90</b>
					Km 387.3 = Km 0.0	
					<b>Str. 413-15</b> <b>V.S. Gvbf-Einfgr.</b> (in Vsv) *Ve*	2.3
					<b>Str. 413-19</b> <b>V.S. Gvbf-Ausfgr.</b> (in Vsv) *Va*	3.7
					Km 5.5 = Km 383.6	5.5
					<b>Str. 413-14</b> <b>V.S. Gvbf-Auen</b> → (in Vsv) *Vu*	<b>382.7</b>
		34		382.7	Villach Warmbad	
				381.7	Villach Warmbad	
					AB (Awanst)	
<b>0.39</b>		0.49		<b>379.1</b>	<b>V. Westbf</b> (in Vb) → *Vf*	1.1

M 4382				Str. 413-14 - GSM-R - A -		- GSM-R - A -	
4	5	6	1	2	3	2a	1a
0.39		0.49		379.1	V. Westbf (in Vb) → *Vf*	1.1	90
			60				
		52		378.3	V.-Draubücke (in Vb) *Vbd*		
			50	0.9	Km 378.3 = Km 0.9		
		55		166.5	Km 0.0 = Km 165.6		
			90		Abzw Gu 2		
			100	168.8			
				169.0	Sbl Gu 1		
				171.4	AB (Awanst)		
				171.9			
		1.00	80	172.8	Gummern		
				174.0	Puch		
				174.5			
			100	177.4	Sbl Pf 1		
				177.7	Weissenst.-K.		
				178.7	AB (Awanst)		
				183.2	Paternion-Feistr.		
		07		185.7	Markt Paternion		
				187.0	Ferndorf		
				187.1	Sbl Ro 1		
				188.1	AB (Awanst)		
				190.0	Schutzstrecke		
		1.13		191.7	Rothenthurn		
				196.2	Sbl Stt 1		
				198.4	GPE		
				198.7			

M 4382							- GSM-R - A -		
4	5	6	1	2	3	2a	1a		
1.20				198.7					
			80						
			70	199.4					
				200.1					
			100						
	1.30		90	80.9	Spittal-Millst.				
				77.9	Sbl Uz 1				
				75.1	Km 75.1 = Km 75.0				
	36			74.4	Abzww Str. 40701 (in Uz)				
	36			74.0	Pusarnitz-Süd (in Uz)				
				*Uzs*					
37			72.8	Pusarnitz (in Uz)					
			69.4	Mühdorf-Möllbrücke					
40			69.1	Üst Kl 2					
			67.3	Sbl Kl 1					
44			64.8	Kolbnitz					
			61.7	Sbl Pk 1					
50			58.4	Penk					
			58.3	Km 58.3 = Km 57.9					
			55.8	Oberfalkenstein					
			54.5	Sbl Ma 3					
			53.6						
57			51.7	Üst Ma 2					
			48.9	Sbl Ma 1					
			47.6						
			46.9	Km 46.9 = Km 46.0					
			80	Mallnitz-Obervell.					
2.03			45.9	(in Ma) *Ma*					

- GSM-R - A -							
4	5	6	1	2	3	2a	1a
M 4382		2.03	80	45.9	Mallnitz-Obervell. (in Ma) *Ma*		
		04		45.1	Mallnitz-Nord (in Ma) *Mtn*		
		05		43.3	Mallnitz-Hintertal (in Ma) *Mth* Bstg.a.B.		
			50	43.2			
				42.2	Sbl Bs 4		
				40.7	Sbl Bs 3		
				38.2	Sbl Bs 2		
				36.4	Sbl Bs 1		
				34.8			
		16	70	34.2	Böckstein		
				34.1	GPE		
			55	31.7			
		20	60	30.9	Bad Gastein		
				30.1			
			70	29.4			
				29.1			
		23	70	27.7	Abzw Al 1		
		25	70	26.1	Angertal Bstg.a.B.		
				25.4			
		28	55	23.7			
			22.6	Abzw Hg 1			
			22.4	Hst außer Betrieb			
	2.32		20.8	Bad Hofgastein			
			19.3				
			18.8				

M 4382							– GSM-R – A –			
4	5	6	1	2	3	2a	1a			
2.48		2.35		18.8	Dorfgastein					
			90	14.3		Sbl Lof 2				
				11.8		GPE				
				11.1						
			80	10.5	Loif.-Süd (in Lof) *Lsf*					
				9.5		Abzw Lof 1				
			80	9.3						
			7.7	7.4		Km 7.4 = Km 7.1				
			41	6.8	Loifarn (in Lof)					
				6.4						
			70	6.3						
			42	5.4		*Lof* Bstg.a.B.				
				2.4	Schwarzach-St.V.	Sbl Swa 1T				
				1.4		PZB 1000 Hz				
				0.7						
			60	66.5						
3.07		3.00	70	64.4	St.Johann i.P.					
				64.3		Sbl Jp 2				
			80	63.1		Sbl Jp 1				
				85						
			90	62.2	Werfen					
				61.3		Tenneck (Awanst)				
			70	60.0						
				59.2		Sbl Gg 3				

M 4382							– GSM-R – A –			
4	5	6	1	2	3	2a	1a			
		3.11	85	59.2	Bischofshofen Fbf (in Bo) *Bob*	Sbl Bo 3				
				56.9		Üst Bo 2				
			85	56.8						
			80	55.8						
				55.4	Bischofshofen (in Bo)	Mitterberghütten				
			70	55.3		Sbl Bo 1				
				55.1						
			70	54.8						
			14	53.2	Werfen					
				52.5						
			80	52.3		*Bo*				
				52.0		Km 52.0 = Km 51.7				
			85	51.2	Werfen					
				50.5		Sbl Rf 2				
			90	50.2		Sbl Rf 1				
				47.8		Pfarwerfen				
		3.20		46.6	Werfen					
				45.2						
			80	44.5						
				44.2						
			70	42.2	Werfen					
				42.1						
			70	41.5						
				40.8						

M 4382							– GSM-R – A –			
4	5	6	1	2	3	2a	1a			
				40.8						
		3.26	70	38.7	Sulzau Lst					
				38.6	Üst Gg 4					
			65	37.6						
		30	70	37.1	Sbl Gg 3					
				34.5	Üst Gg 2					
				31.7	Sbl Gg 1					
				31.6	AB (Awanst)					
			90	31.3						
		35		31.1	Schutzstrecke					
				28.8	Golling-Abt.					
				26.2	Sbl HI 5					
				25.6	Kuchl					
				25.2	Kuchl Lst (Awanst)					
				24.5	Sbl HI 4					
		39		22.9	Üst HI 3					
				22.4	Kuchl Garnei					
				21.7	Sbl HI 2					
				20.9	Bad Vigaun					
				20.1	Sbl HI 1					
			85	19.4	Hallein Burgfried					
		43	90	19.2						
				17.8	Hallein					
				16.0	Oberalm					
				14.9	Sbl Aj 7					
				14.5	Puch bei Hallein					
				13.8	Sbl Aj 6					
				13.2	Puch Urstein					
		3.47		12.2	Üst Aj 5					

M 4382							– GSM-R – A –			
4	5	6	1	2	3	2a	1a			
				12.2	Üst Aj 5					
				10.3	Sbl Aj 2					
				9.0	Elsbethen					
				8.7	Sbl Aj 1					
				7.9	Salzburg Süd					
			85	7.8						
				6.9	Salzburg Aigen					
		52	90	5.8	Salzburg Parsch					
				4.5	Sb Gnigl-Einfgr.					
				3.5	(in Sb) *Sre*					
				3.0	Salzburg Gnigl (in Sb)					
				2.5						
3.57		58	85	2.4	Salzbg. Gnigl-Vbf					
					(in Sb) *Sr*					
				2.2	GPE					
				2.1	Salzburg Sam (in Sb)					
					Salzbg.-Mitte					
		4.01	60	1.0	(in Sb) *Sbm*					
				0.0	Salzburg Hbf					
					(in Sb) *Sb*					
4.03										

# Muster 4384<sub>nP</sub>

BT 438 a Js-Ve

M 4384

Vmax = 90 km/h Bhmax = 68%						
4	5	6	1	2	3	2a 1a
		0.00	35	630.2	<b>Jesenice</b>  Km 637.3 = Km 53.6 – <u>GSM-R–A</u> – Staatsgrenze n. Rosenbach	
			70	631.3		
			50	633.6		
			80	53.6		
			70	49.4		
		19	60	22.6	<b>Rosenbach</b>  Sbl Lez 1 Winkl im Rosental	
			70	22.1		
				19.8		
				19.5		
			90	16.6		
		25	80	16.0	<b>Ledenitzen</b>  <b>Faak am See</b>  Finkenstein Gödersdorf (in Vsv)	
			70	12.3		
				10.7		
			80	7.1		
			70	7.0		
		0.29	80	5.8		
				5.4		

M 4384

– <u>GSM-R–A</u> –						
4	5	6	1	2	3	2a 1a
			80	5.4	Gödersdorf (in Vsv)	
			80	0.6	Str. 413-16 V.S. Gvbf-Ost (in Vsv) *Vo* Str. 222-11 V.S. Gvbf-Ausfgr. (in Vsv) *Va* Km 2.5 = Km 385.9	
			90	386.5	Str. 413-17 Fürnitz (in Vsv) *Fn* Km 387.3 = Km 0.0	
				2.3	V.S. Gvbf-Einfgr. (in Vsv) *Ve*	
		0.42				80



Muster 4385<sub>nP</sub>

BT 438 a Va-Js

M 4385

V <sub>max</sub> = 90 km/h B <sub>hmax</sub> = 67% – GSM-R – A –					
4	5	6	1	2	3
0.00	04		90	3.7 (in V <sub>sv</sub> ) *V <sub>a</sub> *	V.S. Gvbf-Ausfgr.
			80	5.1 (in V <sub>sv</sub> ) *V <sub>o</sub> *	V.S. Gvbf-Ost
			80	5.4	Gödersdorf (in V <sub>sv</sub> )
			70	5.8	
			60	7.0	Finkenstein
09	14		80	7.5 10.7	Faak am See
			90	12.3 16.0	Ledenitzen
0.20			70	16.6 19.5	Winkl im Rosental
				19.7	Sbl Lez 1
				47.8	Rosenbach
			80	49.4 52.9	PZB 1000 Hz
					– GSM-R – Ende –
			50	53.6	Staatsgrenze n. Rosenbach
				53.6	Km 53.6 = Km 637.3
				634.6	PZB 1000 Hz
			70	633.6	
				631.3	

M 4385

4	5	6	1	2	3	4	5	6
0.37				631.3	Jesenice			
			35	630.2				

# Muster 4386

nP

BT 437 b Js-Vf Bh = 59%  
438 a Vf-Gu Z2 Bh = 28%  
437 b Gu Z2-Swa Bh = 75%  
408 b Swa-Sb Bh = 70%

M 4386							
Vmax = 100 km/h Bhmax = 75%							
4	5	6	1	2	3	2a	1a
0.00			35	630.2	Jesenice		
			70	631.3			
			50	633.6			
			80	637.3			
			70	49.4			
19			60	22.6	Rosenbach		
			70	22.1			
			90	16.0			
			80	10.7			
25			70	7.1	Faak am See		
			70	7.0			
			80	5.8			
			80	5.4			
0.29			70	7.0	Finkenstein		
			70	7.0			
			80	5.8			
			80	5.4			
25			70	7.1	Ledenitzen		
			70	7.0			
			80	5.8			
			80	5.4			
0.29			70	7.1	Faak am See		
			70	7.0			
			80	5.8			
			80	5.4			
0.29			70	7.1	Faak am See		
			70	7.0			
			80	5.8			
			80	5.4			

# M 4386

– GSM-R – A –

4	5	6	1	2	3	2a	1a
0.41			80	5.4	Gödersdorf (in Vsv)		
			80	0.6	Str. 413-16 ← V.S. Gvbf-Ost → (in Vsv) *Vo*		
			80	0.6	Km 2.5 = Km 385.9		
			80	0.6	Km 3.9 = Km 383.1		
			80	0.6	Km 3.9 = Km 383.1		
55			100	386.5	Str. 413-17 Fürnitz (in Vsv) *Fn*		
			100	386.5	Km 387.3 = Km 0.0		
			100	386.5	Str. 413-15 V.S. Gvbf-Einfgr. (in Vsv) *Ve*		
			100	386.5	Str. 413-19 V.S. Gvbf-Ausfgr. (in Vsv) *Va*		
			100	386.5	Km 5.5 = Km 383.6		
1.10			13	382.7	Str. 413-14 ← V.S. Gvbf-Auen → (in Vsv) *Vu*		
			13	382.7	Villach Warmbad		
			13	382.7	Villach Warmbad		
			13	382.7	Villach Warmbad		
			13	382.7	Villach Warmbad		
1.16			60	379.1	V. Westbf (in Vb) *Vt*		
			60	379.1	AB (Awanst)		
			60	379.1	V. Westbf (in Vb) *Vt*		
			60	379.1	V. Westbf (in Vb) *Vt*		
			60	379.1	V. Westbf (in Vb) *Vt*		
1.16			60	378.3	V.-Draubrücke (in Vb) *Vbd*		
			60	378.3	V.-Draubrücke (in Vb) *Vbd*		
			60	378.3	V.-Draubrücke (in Vb) *Vbd*		
			60	378.3	V.-Draubrücke (in Vb) *Vbd*		
			60	378.3	V.-Draubrücke (in Vb) *Vbd*		

M 4386							
– GSM-R – A –							
4	5	6	1	2	3	2a	1a
		1.16			<b>V.-Draubrücke</b> (in Vb) *Vbd*		
				<b>378.3</b>			
			<b>50</b>	0.9	Km 378.3 = Km 0.9		
					Km 0.0 = Km 165.6		
			19		Abzw Gu 2		
				<b>166.5</b>			
				<b>90</b>			
				<b>168.8</b>			
				<b>100</b>	Sbl Gu 1		
					AB (Awanst)		
		23		<b>171.9</b>			
					<b>Gummern</b>		
				172.8			
				174.0	Puch		
				<b>174.5</b>			
				<b>100</b>	Sbl Pf 1		
				177.4			
				177.7	Weißerst.-K.		
				178.7	AB (Awanst)		
			30	183.2	<b>Paternion-Feistr.</b>		
				185.7	Markt Paternion		
				187.0	Ferndorf		
				187.1	Sbl Ro 1		
				188.1	AB (Awanst)		
				190.0	Schutzstrecke		
			1.36	191.7	<b>Rothenthurn</b>		
				196.2	Sbl Stt 1		
				198.4	GPE		
				<b>198.7</b>			
				<b>80</b>			
				<b>199.4</b>			
				<b>70</b>			
				<b>200.1</b>			

M 4386							
– GSM-R – A –							
4	5	6	1	2	3	2a	1a
1.43		1.53		<b>200.1</b>			
				<b>100</b>	<b>Spittal-Millst.</b>		
					Sbl Uz 1		
				75.1	Km 75.1 = Km 75.0		
			58	74.4	Abzww Str. 40701 (in Uz)		
					<b>Pusarnitz-Süd</b> (in Uz)		
			59	74.0	*Uzs*		
				72.8	<b>Pusarnitz</b> (in Uz)		
			2.00	69.4	Mühldorf-Möllbrücke		
			03	69.1	Üst Kl 2		
		07		67.3	Sbl Kl 1		
				64.8	<b>Kolbnitz</b>		
				61.7	Sbl Pk 1		
			13	58.4	<b>Penk</b>		
				58.3	Km 58.3 = Km 57.9		
2.25		19		55.8	Oberfalkenstein		
				54.5	Sbl Ma 3		
				51.7	Üst Ma 2		
				48.9	Sbl Ma 1		
				46.9	Km 46.9 = Km 46.0		
				<b>45.9</b>	<b>Mallnitz-Obervell.</b> (in Ma) *Ma*		
			31		<b>Mallnitz-Nord</b> (in Ma)		
				45.1	*Mtn*		
			33		<b>Mallnitz-Hintertal</b> (in Ma) *Mtn* Bstg.a.B.		
			2.36	43.3			
				<b>43.2</b>			
				42.2	Sbl Bs 4		
				40.7	Sbl Bs 3		
				38.2	Sbl Bs 2		

M 4386								– GSM-R – A –			
4	5	6	1	2	3	2a	1a				
			100	38.2	Sbl Bs 2						
		2.42		36.4	Sbl Bs 1						
				34.2	<b>Böckstein</b>						
				34.1	GPE						
			70	33.9							
		45	60	30.4	<b>Bad Gastein</b>						
			70	30.1							
				29.4							
		48	80	29.1							
				27.7	Abzw Al 1						
		50	70	26.1	<b>Angertal</b>	Bstg.a.B.					
		53		25.4	Abzw Hg 1						
			70	22.6	Hst außer Betrieb						
				22.4							
		56	90	20.8	<b>Bad Hofgastein</b>						
				19.3							
		59	100	18.2	<b>Dorfgastein</b>						
				14.3							
				11.8	Sbl Lof 2						
				11.1	GPE						
			90	10.8							
		3.03	80	9.5							
				9.3	Abzw Lof 1						
			70	7.7							
		3.05		7.4	Km 7.4 = Km 7.1						
				6.8	<b>Loif.-Süd</b>	(in Lof) *Lsf*					
				6.3							

M 4386								– GSM-R – A –			
4	5	6	1	2	3	2a	1a				
3.11	3.06			6.3	Loifarn (in Lof) *Lof* Bstg.a.B.						
			95	5.4							
			90	2.6							
				2.4							
				1.4							
				0.7	PZB 1000 Hz	Schwarzach-St.V.					
			60	66.5							
			70	64.4							
			90	64.3							
				63.1							
27			61.3	Sbl Jp 1	St.Johann i.P.						
			59.2	Sbl Bo 3							
			56.9	Üst Bo 2							
		85	56.8								
		70	55.4								
			55.3	Mitterberghütten							
			55.1	Sbl Bo 1							
		54.8	Bischofshofen Fbf (in Bo) *Bob*								
		80									
		33							53.2		
3.34			52.3	Bischofshofen (in Bo) *Bo*							
			52.0	Km 52.0 = Km 51.7							
		51.2									
		90									
								50.5			

M 4386								– GSM-R – A –					
4	5	6	1	2	3	2a	1a						
		3.39		50.5									
			100	Sbl Rf 2									
			90	Sbl Rf 1									
			80	Pfarrwerfen									
				Werfen									
			70	Tenneck (Awanst)									
			45	Sbl Gg 5									
				Sulzau Lst									
				Üst Gg 4									
				Sbl Gg 3									
49	Üst Gg 2												
	Sbl Gg 1												
	AB (Awanst)												
	31.3												
54	Schutzstrecke												
	29.2												
	Golling-Abt.												
	100												
	3.58		26.2	Sbl HI 5									
			25.6	Kuchl									
			25.2	Kuchl Lst (Awanst)									
			24.5	Sbl HI 4									
			22.9	Üst HI 3									
			22.4	Kuchl Garnei									
			21.7	Sbl HI 2									
			20.9	Bad Vigaun									
			20.1	Sbl HI 1									
			19.4	Hallein Burgfried									

M 4386							– GSM-R – A –			
4	5	6	1	2	3	2a	1a			
		4.01	100	19.4						
				17.8						
				16.0						
				14.9						
				14.5						
				13.8						
				13.2						
				12.2						
				10.3						
				9.0						
		05		8.7						
				Sbl Aj 1						
				7.9						
				7.8						
				6.6						
				5.8						
				5.1						
				4.5						
				3.5						
				3.1						
		17	100	Salzburg Parsch						
				Sb Gnigl-Einfgr.						
				(in Sb) *Sre*						
				3.0						
				Salzburg Gnigl (in Sb)						
				Salzbg. Gnigl-Vbf						
				(in Sb) *Sr*						
				2.4						
				GPE						
				2.2						
		26	90	Salzburg Sam (in Sb)						
				2.1						
				Salzbg.-Mitte						
				(in Sb) *Sbm*						
				1.0						
				0.0						
				Salzburg Hbf						
				(in Sb) *Sb*						
				4.32						

Muster 4388

BT 433 b Tbv-Ve

nP

M 4388

Vmax = 90 km/h Bhmax = 58%						
4	5	6	1	2	3	2a 1a
		0.00	90	88.8	Tarvisio Boscoverde – GSM-R– A –	
		07		94.3	Staatsgrenze n. Thörl-M.	
		11		400.2	Thörl-Maglern	
				395.0	Arnoldstein	
				392.1	Pöckau	
			90	0.0	Str. 413-18 ← V.S. Gvbf-West → (in Vsv) *Vw*	90
		0.15		0.4	Neuhaus a.d.Gail (in Vsv)	
					Str. 413 Neuhaus a.d.Gail (in Vsv)	
					Str. 413-15 Fürnitz (in Vsv) *Fn*	
					Km 1.8 = Km 1.2	
					Km 385.2 = Km 5.7	
					V.S. Gvbf-Ausfgr. (in Vsv) *Va*	
					← V.S. Gvbf-Einfgr. → (in Vsv) *Ve*	
0.20				2.3		2.3

Muster 4389

BT 433 b Va-Tbv

nP

M 4389

Vmax = 90 km/h Bhmax = 51% – GSM-R– A –						
4	5	6	1	2	3	4 5 6
		0.00	90	3.7	V.S. Gvbf-Ausfgr. (in Vsv) *Va*	
		06		5.7	Km 5.7 = Km 385.2	
				386.5	Fürnitz (in Vsv) *Fn*	0.06
				389.3	Neuhaus a.d.Gail (in Vsv)	
		08		389.7	V.S. Gvbf-West (in Vsv) *Vw*	
				392.1	Pöckau	
		13		395.0	Arnoldstein	
		0.18		400.2	Thörl-Maglern	
					– GSM-R– Ende –	
				401.0	Staatsgrenze n. Thörl-M.	
					Tarvisio	
0.26				88.8	Boscoverde	

Muster 6327

nP

BT 433 b Va-Fn

M 6327

# Muster 4390

nP

BT 434 b Vbo-Vb Bh = 22%  
439 a Vb-Swa Bh = 59%

## M 4390

Vmax = 60 km/h Bhmax = 59% - GSM-R- A -						
4	5	6	1	2	3	4
0.04		0.00	60	Villach Hbf-Ostbf (in Vb) *Vbo*		
		09		Villach Hbf (in Vb) *Vb*		
		13		Abzw Gu 2		
				Sbl Gu 1		
		20		AB (Awanst)		
			30	Gummern		
				Puch		
				Sbl Pf 1		
				Weißenst.-K.		
				AB (Awanst)		
0.49			39	Paternion-Feistr.		
				Markt Paternion		
				Ferndorf		
				Sbl Ro 1		
				AB (Awanst)		
			1.00	Schutzstrecke		
				Rothenthurn		
				Sbl Stt 1		
				GPE		
				Spittal-Millst.		
		08	1.09	Sbl Uz 1		
				Km 75.1 = Km 75.0		
				Abzww Str. 40701 (in Uz)		
				Pusarnitz-Süd (in Uz)		
				*Uzs*		

## M 4390

- GSM-R- A -						
4	5	6	1	2	3	4
		1.09	60	Pusarnitz-Süd (in Uz)		
		10		*Uzs*		
				Pusarnitz (in Uz)		
		14		Mühldorf-Möllbrücke		
				Üst Kl 2		
		19	26	Sbl Kl 1		
				Kolbnitz		
				Sbl Pk 1		
				Penk		
				Km 58.3 = Km 57.9		
			33	Oberfalkenstein		
				Sbl Ma 3		
				Üst Ma 2		
				Sbl Ma 1		
				Km 46.9 = Km 46.0		
1.39		45	47	Mallnitz-Obervell.		
				(in Ma) *Ma*		
				Mallnitz-Nord (in Ma)		
				*Mtn*		
		49		Mallnitz-Hintertal		
			59	(in Ma) *Mth* Bstg.a.B.		
				Sbl Bs 4		
				Sbl Bs 3		
				Sbl Bs 2		
				Sbl Bs 1		
		2.03	2.09	Böckstein		
		06		GPE		
				Bad Gastein		
				Abzw Al 1		
				Angertal Bstg.a.B.		

M 4390					
– GSM-R – A –					
4	5	6	1	2	3
2.36		2.09	60	25.4	Angertal Bstg.a.B.
		12		22.6	Abzw Hg 1
		15		22.4	Hst außer Betrieb
		20		19.3	Bad Hofgastein
				14.3	Dorfgastein
				11.8	Sbl Lof 2
		25		11.1	GPE
				9.3	Abzw Lof 1
				7.4	Km 7.4 = Km 7.1
		28		6.8	Loif.-Süd (in Lof) *Lsf*
		2.29		5.4	Loifarn (in Lof) *Lof* Bstg.a.B.
				2.4	Sbl Swa 1T
				1.4	PZB 1000 Hz
				0.0	Schwarzach-St.V.

Muster 4391					
– GSM-R – A –					
4	5	6	1	2	3
0.39		0.00	60	0.0	Schwarzach-St.V.
				1.7	Sbl Swa 1T
		07		5.4	Loifarn (in Lof) *Lof* Bstg.a.B.
				6.4	GPE
		08		6.8	Loif.-Süd (in Lof) *Lsf*
				7.1	Km 7.1 = Km 7.4
		11		9.3	Abzw Lof 1
				11.7	Sbl Lof 2
		16		14.3	Dorfgastein
				17.9	GPE
		21		19.3	Bad Hofgastein
				22.4	Hst außer Betrieb
		25		22.6	Abzw Hg 1
		28		25.4	Angertal Bstg.a.B.
		31		27.7	Abzw Al 1
		34		30.1	Bad Gastein
		45		34.2	Böckstein
				36.1	Sbl Bs 1
				37.9	Sbl Bs 2
				40.4	Sbl Bs 3
				41.9	Sbl Bs 4
				43.0	GPE
		0.57		43.3	Mallnitz-Hintertal (in Ma) *Mth* Bstg.a.B.

BT 439 a Swa-Vb Bh = 50%  
434 b Vb-Vbo Bh = 22%

M 4391



M 4391						– GSM-R – A –					
4	5	6	1	2	3	4	5	6			
1.36		0.57	60	43.3	<b>Mallnitz-Hintertal</b> (in Ma) *Mth* Bstg.a.B.						
		1.00		45.9	<b>Mallnitz-Obervell.</b> (in Ma) *Ma*						
		05		46.0	Km 46.0 = Km 46.9						
				48.7	Sbl Ma 1						
				51.7	Üst Ma 2						
		11		54.2	Sbl Ma 3						
				55.8	Oberfalkenstein						
				57.9	Km 57.9 = Km 58.3						
		18		58.4	<b>Penk</b>						
				61.6	Sbl Pk 1						
1.36		22		64.8	<b>Kolbnitz</b>						
				67.1	Sbl Kl 1						
				69.1	Üst Kl 2						
		26		69.4	Mühdorf-Möllbrücke						
				72.8	<b>Pusarnitz</b> (in Uz)						
				74.0	<b>Pusarnitz-Süd</b> (in Uz) *Uzs*						
		28		74.4	Abzww Str. 40701 (in Uz)						
				75.0	Km 75.0 = Km 75.1						
				77.7	Sbl Uz 1						
		42		80.8	GPE						
311				200.1	<b>Spittal-Millst.</b>						
		1.53		196.3	Sbl Stt 1						
				191.7	<b>Rothenthurn</b>						
				190.1	Schutzstrecke						
				188.1	AB (Awanst)						
				187.2	Sbl Ro 1						
				187.0	Ferndorf						

M 4391						– GSM-R – A –					
4	5	6	1	2	3	4	5	6			
2.22		2.02	60	187.0	Ferndorf						
				185.7	Markt Paternion						
				183.2	<b>Paternion-Feistr.</b>						
		12		178.7	AB (Awanst)						
				177.7	Weißerst.-K.						
				177.5	Sbl Pf 1						
		19		174.0	Puch						
				172.8	<b>Gummern</b>						
				171.4	AB (Awanst)						
		2.27		169.2	Sbl Gu 1						
2.31				166.5	Abzw Gu 2						
				377.6	<b>Villach Hbf</b> (in Vb) *Vb*						
				376.8	<b>Villach Hbf-Ostbf</b> (in Vb) *Vbo*						

# Muster 4392

nP

- BT
- 437 b

Vbo-Vb

Bh = 48%
- 437 b

Vb-Al

Bh = 70%
- 438 a

Al-Hg

Bh = 68%
- 437 b

Hg-Lsf

Bh = 68%
- 438 a

Lsf-Swa

Bh = 70%
- 408 b

Swa-Sb

Bh = 70%

# M 4392

Vmax = 100 km/h Bhmax = 70% - GSM-R - A -						
4	5	6	1	2	3	4
0.00		03	80	163.5	Villach Hbf-Ostbf (in Vb) *Vbo*	
			60	164.3	Villach Hbf (in Vb) *Vb*	
			90	164.5		
05			100	166.5	Abzw Gu 2	
				168.8		
				169.0	Sbl Gu 1	
10				171.4	AB (Awanst)	
			80	171.9		
				172.8	Gummern	
				174.0	Puch	
			100	174.5		
				177.4	Sbl Pf 1	
17				177.7	Weißent.-K.	
				178.7	AB (Awanst)	
				183.2	Paternion-Feistr.	
				185.7	Markt Paternion	
				187.0	Ferndorf	
				187.1	Sbl Ro 1	
0.22				188.1	AB (Awanst)	
				190.0	Schutzstrecke	
				191.7	Rothenthurn	

# M 4392

- GSM-R - A -						
4	5	6	1	2	3	4
		0.22	100	191.7	Rothenthurn	
				196.2	Sbl Stt 1	
				198.4	GPE	
			80	198.7		
				199.4		
			70	200.1		
0.29		40	100	80.9	Spittal-Millst.	
				77.9	Sbl Uz 1	
				75.1	Km 75.1 = Km 75.0	
45				74.4	Abzw Str. 40701 (in Uz)	
					Pusarnitz-Süd (in Uz)	
				74.0	*Uzs*	
47				72.8	Pusarnitz (in Uz)	
				69.4	Mühldorf-Möllbrücke	
				69.1	Üst Kl 2	
49				67.3	Sbl Kl 1	
				64.8	Kolbnitz	
				61.7	Sbl Pk 1	
53				58.4	Penk	
				58.3	Km 58.3 = Km 57.9	
				55.8	Oberfalkenstein	
59				54.5	Sbl Ma 3	
				51.7	Üst Ma 2	
				48.9	Sbl Ma 1	
1.05				46.9	Km 46.9 = Km 46.0	
					Mallnitz-Obervell.	
				45.9	(in Ma) *Ma*	
1.11						
1.17						

M 4392

– GSM-R – A –					
4	5	6	1	2	3
1.11		1.17		45.9	Mallnitz-Obervell. (in Ma) *Ma*
		20	80	45.1	Mallnitz-Nord *Mtn*
		22		43.3	Mallnitz-Hintertal (in Ma) *Mth* Bstg.a.B.
			100	43.2	
				42.2	Sbl Bs 4
				40.7	Sbl Bs 3
				38.2	Sbl Bs 2
				36.4	Sbl Bs 1
		28		34.2	Böckstein
				34.1	GPE
			70	33.9	
		32	60	30.4	Bad Gastein
			70	29.4	
		34	80	29.1	Abzw AI 1
		37	70	26.1	Angertal Bstg.a.B.
1.39			65	23.7	
			70	23.6	
				22.6	Abzw Hg 1
			70	22.4	Hst außer Betrieb
				20.9	

M 4392

– GSM-R – A –					
4	5	6	1	2	3
				20.9	
			65		
		1.42	90	20.8	Bad Hofgastein
				19.3	
		46	100	18.2	Dorfgastein
				14.3	
				11.8	Sbl Lof 2
				11.1	GPE
			90	10.8	
				9.5	
		49	80	9.3	Abzw Lof 1
			70	7.7	
		51		7.4	Km 7.4 = Km 7.1
				6.8	Loif.-Süd (in Lof) *Lst*
			90	6.3	
		53		5.4	Loifarn (in Lof)
					*Lof* Bstg.a.B.
				2.4	Sbl Swa 1T
				1.4	PZB 1000 Hz
				0.7	
1.58		2.01	60	66.5	Schwarzach-St.V.
			70		
			90	64.4	
				64.3	Sbl Jp 2
		08		63.1	Sbl Jp 1
				61.3	St.Johann i.P.
				59.2	Sbl Bo 3
		2.11		56.9	Üst Bo 2

M 4392

– GSM-R – A –					
4	5	6	1	2	3
		2.11	90	56.9	Üst Bo 2
			85	56.8	
			70	55.4	Mitterberghütten
			80	55.1	Sbl Bo 1
14			Bischofshofen Fbf		
			(in Bo) *Bob*		
15			Bischofshofen		
			*Bo*		
			Km 52.0 = Km 51.7		
			51.2	52.0	
			90	50.5	Sbl Rf 2
			100	50.2	Sbl Rf 1
20			90	47.8	Pfarrwerfen
			Werfen		
			80	46.6	
			44.5	45.2	
			70	44.2	Tenneck (Awanst)
			42.2	41.5	Sbl Gg 5
26			38.7	38.6	Sulzau Lst
			37.1	34.5	Üst Gg 4
2.30			31.7	37.1	Sbl Gg 3
			31.7	34.5	Üst Gg 2
					Sbl Gg 1

M 4392

– GSM-R – A –					
4	5	6	1	2	3
			70	31.7	Sbl Gg 1
				31.6	AB (Awanst)
			90	31.3	Schutzstrecke
			29.2	31.1	
2.35			100	28.8	Golling-Abt.
				26.2	Sbl HI 5
				25.6	Kuchl
				25.2	Kuchl Lst (Awanst)
				24.5	Sbl HI 4
				22.9	Üst HI 3
39				22.4	Kuchl Garnei
				21.7	Sbl HI 2
				20.9	Bad Vigaun
				20.1	Sbl HI 1
42				19.4	Hallein Burgfried
				17.8	Hallein
				16.0	Oberalm
				14.9	Sbl Aj 7
				14.5	Puch bei Hallein
				13.8	Sbl Aj 6
2.46				13.2	Puch Urstein
				12.2	Üst Aj 5
				10.3	Sbl Aj 2
				9.0	Elsbethen
				8.7	Sbl Aj 1
				7.9	Salzburg Süd
			95	7.8	
				6.6	

M 4392					
– GSM-R – A –					
4	5	6	1	2	3
	2.50	52		6.6	Salzburg Aigen
			90	5.8	
			100	5.1	
2.54	57		90	4.5	Salzburg Parsch
				3.5	Sb Gnigl-Einfgr. (in Sb) *Sre*
				3.1	Salzburg Gnigl (in Sb)
			60	3.0	
3.03	3.01		90	2.4	Salzbg. Gnigl-Vbf (in Sb) *Sr*
				2.2	GPE
				2.1	Salzburg Sam (in Sb)
			60	1.0	Salzbg.-Mitte (in Sb) *Sbm*
				0.0	Salzburg Hbf (in Sb) *Sb*

# Muster 4393<sub>nP</sub>

BT 408 b Sb-Swa Bh = 70%  
437 b Swa-Ma Bh = 69%  
438 a Ma-Uz Bh = 69%  
437 b Uz-Vb Bh = 65%  
437 b Vb-Vbo Bh = 53%

M 4393					
Vmax = 100 km/h Bhmax = 70% – GSM-R – A –					
4	5	6	1	2	3
	0.00	03	60	0.0	Salzburg Hbf (in Sb) *Sb*
				1.0	Salzbg.-Mitte (in Sb) *Sbm*
			90	2.1	Salzburg Sam (in Sb)
	05		90	2.4	Salzbg. Gnigl-Vbf (in Sb) *Sr*
				3.0	Salzburg Gnigl (in Sb)
			95	3.1	Sb Gnigl-Einfgr. (in Sb) *Sre*
	07		90	4.5	Salzburg Parsch
				5.1	Salzburg Aigen
			100	5.8	
	09		90	6.6	Salzburg Süd
				7.9	Sbl Aj 1
			100	8.6	Elsbethen
	0.13		90	9.0	Sbl Aj 2
				10.1	Üst Aj 5
			100	12.2	Puch Urstein
			90	13.2	Sbl Aj 6
				13.3	Puch bei Hallein
			95	14.5	Sbl Aj 7

M 4393

– GSM-R – A –					
4	5	6	1	2	3
			100	14.8 16.0 17.8	Sbl Aj 7 Oberalm <b>Hallein</b>
		0.17		19.4 20.0 20.9 21.1 22.4 22.9 24.3	Hallein Burgfried Sbl Hl 1 Bad Vigaun Sbl Hl 2 Kuchl Garnei Üst Hl 3 Sbl Hl 4
		21		25.2 25.6 26.1 28.0 28.8	Kuchl Lst (Awanst) Kuchl Sbl Hl 5 PZB 1000 Hz <b>Golling-Abt.</b>
		25	90	29.2 31.0 31.1 31.3	Schutzstrecke GPE
			70	31.6 31.6 34.5 37.0 38.6 38.7 41.4 42.2 44.2 44.5	AB (Awanst) Sbl Gg 1 Üst Gg 2 Sbl Gg 3 Üst Gg 4 Sulzau Lst Sbl Gg 5 Tenneck (Awanst)
		29			
		0.33			
			80		

M 4393

– GSM-R – A –					
4	5	6	1	2	3
				44.5 45.2 46.6 46.7 47.7 49.6 50.5 51.2 51.7 52.3	<b>Werfen</b> Pfarwerfen  Sbl Rf 1 Sbl Rf 2  Km 51.7 = Km 52.0 <b>Bischofshofen</b> (in Bo) *Bo*
		0.39	90		
			100		
			90		
			80		
		44		53.2 54.8 54.9 55.3 55.4	<b>Bischofshofen Fbf</b> (in Bo) *Bob*  Sbl Bo 1 Mitterberghütten
		45	70		
			85		
			90		
		48		56.8 56.9 59.0 61.3 62.9 64.1 64.4	Üst Bo 2 Sbl Bo 3 <b>St.Johann i.P.</b> Sbl Jp 1 Sbl Jp 2
		51			
			70		
		1.06	60		
				0.0 0.7	<b>Schwarzach-St.V.</b>

M 4393						– GSM-R – A –					
4	5	6	1	2	3	4	5	6			
		1.13		0.7	Loifarn (in Lof) *Lof* Bstg.a.B.						
			90	1.7							
			100	2.6							
				5.4							
		15		6.4	Loif.-Süd (in Lof) *Lsf* Km 7.1 = Km 7.4						
			70	6.5							
				6.8							
				7.1							
		17		7.7	Abzw Lof 1						
			80	9.3							
				9.5							
			90								
		20		10.8	Dorfgastein Sbl Lof 2						
			100	11.7							
				14.3							
				17.9							
		24		18.2	Bad Hofgastein Hst außer Betrieb						
			90	19.3							
				22.4							
				22.6							
		26			Abzw Hg 1						
			70								
				25.2							
			80	25.4							
		29		27.7	Angertal Bstg.a.B. Abzw Al 1						
				29.1							
			70								
				29.4							
		1.35		30.1	Bad Gastein						
			60								
				30.4							

M 4393						– GSM-R – A –					
4	5	6	1	2	3	4	5	6			
		1.40		30.4	Böckstein Sbl Bs 1						
			70								
			100	33.9							
				34.2							
				36.1	Sbl Bs 2						
				37.9							
				40.4							
				41.9							
				43.0	GPE Mallnitz-Hintertal (in Ma) *Mth* Bstg.a.B.						
				43.3							
			56								
				80							
				45.9	Mallnitz-Obervell. (in Ma) *Ma*						
				46.0							
				48.7							
				51.7							
		2.02		52.6	Km 46.0 = Km 46.9 Sbl Ma 1 Üst Ma 2						
				85							
				52.7							
				90							
				54.2	Sbl Ma 3 Oberfalkenstein Km 57.9 = Km 58.3						
				55.8							
				57.9							
			06	58.4							
				61.6	Penk Sbl Pk 1 Kolbnitz						
				64.8							
			11	67.1							
				69.1							
		14		69.4	Sbl Kl 1 Üst Kl 2 Mühldorf-Möllbrücke Pusarnitz (in Uz)						
				72.8							
			2.16								

M 4393					
4	5	6	– GSM-R – A –		
			1	2	3
	2.16			72.8	Pusarnitz (in Uz)
	17		100	74.0	Pusarnitz-Süd (in Uz) *Uzs*
	18			74.4	Abzw Str. 40701 (in Uz)
				75.0	Km 75.0 = Km 75.1
				77.7	Sbl Uz 1
				80.8	GPE
2.23		29		200.1	Spittal-Millst.
			70		
			80	199.4	
				198.7	
			100	196.3	Sbl Stt 1
		38		191.7	Rothenthurn
				190.1	Schutzstrecke
				188.1	AB (Awanst)
				187.2	Sbl Ro 1
				187.0	Ferndorf
				185.7	Markt Paternion
		43		183.2	Paternion-Feistr.
				178.7	AB (Awanst)
				177.7	Weißenst.-K.
				177.5	Sbl Pf 1
				174.5	
			80	174.0	Puch
		2.50		172.8	Gummern
				171.9	
			100	171.4	AB (Awanst)
				169.2	Sbl Gu 1
				168.8	

M 4393					
4	5	6	– GSM-R – A –		
			1	2	3
				168.8	
		2.54	90	166.5	Abzw Gu 2
		2.56		164.3	Villach Hbf (in Vb) *Vb*
2.58			80	376.8	Villach Hbf-Ostbf (in Vb) *Vbo*



# Muster 4398

nP

Muster nur für ROLA mit Vmax = 80 km/h

BT 435 b Ve-Vf Bh = 43%  
980 a Vf-Sb Bh = 55%

M 4398						
4	5	6	1	2	3	2a 1a
Vmax = 80 km/h Bhmax = 55% - GSM-R- A -						
0.04	0.00	09	80	2.3	Str. 413-19 ← V.S. Gvbf-Einfgr. → (in Vsv) *Ve*	80
				3.7	V.S. Gvbf-Ausfgr. (in Vsv) *Va*	
				5.5	Km 5.5 = Km 383.6	
					Km 0.0 = Km 387.3	
0.18	14	20		382.7	Str. 413 ← V.S. Gvbf-Auen → (in Vsv) *Vu*	
				381.7	Villach Warmbad	
				381.2	AB (Awanst)	
				379.1	Str. 413-14 ← V. Westbf (in Vb) → *Vf*	
	0.23		60		V.-Draubücke (in Vb) *Vbd*	
				378.3	Km 378.3 = Km 0.9	
				50		

# M 4398

- GSM-R- A -

4	5	6	1	2	3	2a 1a
		0.26	50	0.9	Km 378.3 = Km 0.9	
				166.5	Km 0.0 = Km 165.6	
			80	169.0	Abzw Gu 2	
				171.4	Sbl Gu 1	
31				172.8	AB (Awanst)	
				174.0	Gummern	
				177.4	Puch	
				177.7	Sbl Pf 1	
39				178.7	Weissenst.-K.	
				183.2	AB (Awanst)	
				185.7	Paternion-Feistr.	
				187.0	Markt Paternion	
46				187.1	Ferndorf	
				188.1	Sbl Ro 1	
				190.0	AB (Awanst)	
				191.7	Schutzstrecke	
				196.2	Rothenthurn	
				198.4	Sbl Stt 1	
				199.4	GPE	
			70			
0.54		1.04		200.1	Spittal-Millst.	
			80	80.9	Sbl Uz 1	
				77.9	Km 75.1 = Km 75.0	
				75.1	Abzww Str. 40701 (in Uz)	
11				74.4	Pusarnitz-Süd (in Uz)	
				74.0	*Uzs*	
			12	72.8	Pusarnitz (in Uz)	
			1.13	69.4	Mühldorf-Möllbrücke	

M 4398							– GSM-R – A –		
4	5	6	1	2	3	2a	1a		
1.45			80	69.4	Mühdorf-Möllbrücke				
		1.16		69.1	Üst Kl 2				
		21		67.3	Sbl Kl 1				
				64.8	Kolbnitz				
		29		61.7	Sbl Pk 1				
				58.4	Penk				
				58.3	Km 58.3 = Km 57.9				
				55.8	Oberfalkenstein				
				54.5	Sbl Ma 3				
		36		51.7	Üst Ma 2				
				48.9	Sbl Ma 1				
				46.9	Km 46.9 = Km 46.0				
		51		45.9	Mallnitz-Obervell. (in Ma) *Ma*				
		53		45.1	Mallnitz-Nord (in Ma) *Mtn*				
	57		43.3	Mallnitz-Hintertal (in Ma) *Mth* Bstg.a.B.					
			42.2	Sbl Bs 4					
			40.7	Sbl Bs 3					
			38.2	Sbl Bs 2					
			36.4	Sbl Bs 1					
	2.04		34.2	Böckstein					
			34.1	GPE					
			33.9						
			70	31.7					
			55	30.9					
			60	30.1	Bad Gastein				
		2.08							

M 4398										– GSM-R – A –			
4	5	6	1	2	3	2a	1a						
		2.08	60	30.1	Bad Gastein								
			70	29.4									
			70	29.1	Abzw Al 1								
			70	27.7									
			70	26.1	Angertal Bstg.a.B.								
			70	25.4									
			55	23.7									
			70	23.6									
			70	22.6	Abzw Hg 1								
			70	22.4	Hst außer Betrieb								
			55	20.9									
			75	20.8	Bad Hofgastein								
			80	19.3	Dorfgastein								
			80	18.8									
	22	26	14.3	Sbl Lof 2									
			11.8	GPE									
			11.1	Abzw Lof 1									
			9.3										
			7.7										
			7.4	Km 7.4 = Km 7.1									
			6.8	Loif.-Süd (in Lof) *Lsf*									
6.4													
70	6.3												

M 4398							– GSM-R – A –					
4	5	6	1	2	3	2a	1a					
2.36	2.30			6.3								
			75	5.4							Loifarn (in Lof) *Lof* Bstg.a.B.	
			60	2.4							Sbl Swa 1T	
				1.4							PZB 1000 Hz	
				0.7								
	42			66.5							Schwarzach-St.V.	
			70									
			80	64.4								
				64.3							Sbl Jp 2	
				63.1							Sbl Jp 1	
3.01	48			61.3							St.Johann i.P.	
			52	59.2							Sbl Bo 3	
				56.9							Üst Bo 2	
				55.4								
			70	55.3							Mitterberghütten	
	55		70	55.1							Sbl Bo 1	
				54.8								
				53.2							(in Bo) *Bob*	
			80	52.5							Bischofshofen (in Bo)	
			56	52.3							*Bo*	
				52.0							Km 52.0 = Km 51.7	
				50.2							Sbl Rf 2	
				47.8							Sbl Rf 1	
				46.6							Pfarrwerfen	
			44.2	Werfen								

M 4398							– GSM-R – A –			
4	5	6	1	2	3	2a	1a			
3.07				44.2	Tenneck (Awanst)					
			70	42.2						
			70	42.1						
			70	41.5	Sbl Gg 5					
				40.8						
			70	38.7	Sulzau Lst					
			37.6	38.6	Üst Gg 4					
				65						
			70	37.1	Sbl Gg 3					
16			70	34.5	Üst Gg 2					
				31.7	Sbl Gg 1					
				31.6	AB (Awanst)					
			80	31.3						
				31.1	Schutzstrecke					
				28.8	Golling-Abt.					
				26.2	Sbl HI 5					
				25.6	Kuchl					
				25.2	Kuchl Lst (Awanst)					
				24.5	Sbl HI 4					
21				22.9	Üst HI 3					
				22.4	Kuchl Garnei					
				21.7	Sbl HI 2					
				20.9	Bad Vigaun					
				20.1	Sbl HI 1					
				19.4	Hallein Burgfried					
				17.8	Hallein					
				16.0	Oberalm					
				14.9	Sbl Aj 7					
				14.5	Puch bei Hallein					

M 4398							
– GSM-R – A –							
4	5	6	1	2	3	2a	1a
3.39		3.29	80	14.5	Puch bei Hallein		
				13.8	Sbl Aj 6		
				13.2	Puch Urstein		
				12.2	Üst Aj 5		
				10.3	Sbl Aj 2		
				9.0	Elsbethen		
				8.7	Sbl Aj 1		
				7.9	Salzburg Süd		
				5.8	Salzburg Aigen		
				4.5	Salzburg Parsch		
3.49		3.46	60	3.5	Sb Gnigl-Einfgr. (in Sb) *Sr*		
				3.0	Salzburg Gnigl (in Sb)		
				2.4	Salzbg. Gnigl-Vbf (in Sb) *Sr*		
				2.2	GPE		
				2.1	Salzburg Sam (in Sb)		
				1.0	Salzbg.-Mitte (in Sb) *Sbm*		
				0.0	Salzburg Hbf		

Muster 4399<sub>nP</sub>

Muster nur für ROLA mit Vmax = 80 km/h

BT 980 a Sb-Vf Bh = 55%  
435 b Vf-Fn Bh = 39%  
435 a Fn-Ve Bh = 43%

M 4399							
Vmax = 80 km/h Bhmax = 55% – GSM-R – A –							
4	5	6	1	2	3	2a	1a
0.06		0.00	60	0.0	Salzburg Hbf (in Sb) *Sb*		
				1.0	Salzbg.-Mitte (in Sb) *Sbm*		
			80	2.1	Salzburg Sam (in Sb)		
				2.4	Salzbg. Gnigl-Vbf (in Sb) *Sr*		
				3.0	Salzburg Gnigl (in Sb)		
				3.5	Sb Gnigl-Einfgr. (in Sb) *Sre*		
				4.5	Salzburg Parsch		
				5.8	Salzburg Aigen		
				7.9	Salzburg Süd		
				8.6	Sbl Aj 1		
		23		9.0	Elsbethen		
				10.1	Sbl Aj 2		
				12.2	Üst Aj 5		
				13.2	Puch Urstein		
				13.3	Sbl Aj 6		
				14.5	Puch bei Hallein		
				14.8	Sbl Aj 7		
				16.0	Oberalm		
				17.8	Hallein		
				19.4	Hallein Burgfried		

M 4399							– GSM-R – A –		
4	5	6	1	2	3	2a	1a		
		0.32	80	19.4	Hallein Burgfried				
				20.0	Sbl HI 1				
				20.9	Bad Vigaun				
				21.1	Sbl HI 2				
				22.4	Kuchl Garnei				
				22.9	Üst HI 3				
				24.3	Sbl HI 4				
				25.2	Kuchl Lst (Awanst)				
				25.6	Kuchl				
				26.1	Sbl HI 5				
				28.0	PZB 1000 Hz				
				28.8	Golling-Abt.				
			31.0	Schutzstrecke					
			31.1	GPE					
			31.3						
			70	31.6	AB (Awanst)				
31.6	Sbl Gg 1								
34.5	Üst Gg 2								
37.0	Sbl Gg 3								
38.6	Üst Gg 4								
38.7	Sulzau Lst								
41.4	Sbl Gg 5								
42.2	Tenneck (Awanst)								
44.2									
80	45.2	Werfen							
	46.6	Pfarrwerfen							
	47.7	Sbl Rf 1							
	49.6	Sbl Rf 2							
51.7	Km 51.7 = Km 52.0								

M 4399							– GSM-R – A –		
4	5	6	1	2	3	2a	1a		
1.13		0.58	80	51.7	Km 51.7 = Km 52.0				
				52.3	Bischofshofen (in Bo)				
					*Bo*				
			70	53.2	Bischofshofen Fbf				
					(in Bo) *Bob*				
				54.8					
			80	54.9	Sbl Bo 1				
				55.3	Mitterberghütten				
				55.4					
			70	56.9	Üst Bo 2				
				59.0	Sbl Bo 3				
				61.3	St.Johann i.P.				
			60	62.9	Sbl Jp 1				
				64.1	Sbl Jp 2				
				64.4					
			80	0.0	Schwarzach-St.V.				
0.7									
1.7	Sbl Swa 1T								
70	5.4	Loifarn (in Lof)							
	6.4	*Lof* Bstg.a.B.							
	6.5	GPE							
80	6.8	Loif.-Süd (in Lof) *Lsf*							
	7.1	Km 7.1 = Km 7.4							
	7.7								
80	9.3	Abzw Lof 1							
	11.7	Sbl Lof 2							
	14.3	Dorfgastein							
1.40									

M 4399							– GSM-R – A –			
4	5	6	1	2	3		2a	1a		
2.02		1.40	80	14.3	<b>Dorfgastein</b>					
		44		17.9	GPE					
		47		19.3	<b>Bad Hofgastein</b>					
				22.4	Hst außer Betrieb					
			70	22.6	Abzw Hg 1					
		50		25.2						
		53	80	25.4	<b>Angertal</b> Bstg.a.B.					
				27.7	Abzw AI 1					
			70	29.1						
		56		29.4	<b>Bad Gastein</b>					
	2.02		60	30.1						
			70	30.4						
		2.08	80	33.9	<b>Böckstein</b>					
				34.2						
				36.1	Sbl Bs 1					
				37.9	Sbl Bs 2					
				40.4	Sbl Bs 3					
				41.9	Sbl Bs 4					
				43.0	GPE					
		19		43.3	<b>Mallnitz-Hintertal</b> (in Ma) *Mth* Bstg.a.B.					
			70	43.7						
			75	44.6	<b>Mallnitz-Obervell.</b>					
		2.22		45.9	(in Ma) *Ma*					
				46.0	Km 46.0 = Km 46.9					

M 4399							– GSM-R – A –			
4	5	6	1	2	3		2a	1a		
2.26			75	46.0	Km 46.0 = Km 46.9					
				48.7	Sbl Ma 1					
				51.7	Üst Ma 2					
			70	52.6						
			75	52.7						
				54.2	Sbl Ma 3					
				55.8	Oberfalkenstein					
		31		57.9	Km 57.9 = Km 58.3					
				58.4	<b>Penk</b>					
		37		61.6	Sbl Pk 1					
2.51				64.8	<b>Kolbnitz</b>					
				67.1	Sbl KI 1					
				69.1	Üst KI 2					
		40		69.4	Mühldorf-Möllbrücke					
		43		72.8	<b>Pusarnitz</b> (in Uz)					
			80		<b>Pusarnitz-Süd</b> (in Uz)					
				74.0	*Uzs*					
				74.4	Abzww Str. 40701 (in Uz)					
				75.0	Km 75.0 = Km 75.1					
				77.7	Sbl Uz 1					
3.07				80.8	GPE					
				200.1	<b>Spittal-Millst.</b>					
			70							
			199.4							
			80	196.3	Sbl Stt 1					
				191.7	<b>Rothenthurn</b>					
				190.1	Schutzstrecke					
				188.1	AB (Awanst)					
				187.2	Sbl Ro 1					

M 4399							
– GSM-R – A –							
4	5	6	1	2	3	2a	1a
		3.14	80	187.2	Sbl Ro 1		
				187.0	Ferndorf		
				185.7	Markt Paternion		
				183.2	<b>Paternion-Feistr.</b>		
				178.7	AB (Awanst)		
				177.7	Weißenst.-K.		
				177.5	Sbl Pf 1		
				174.0	Puch		
				172.8	<b>Gummern</b>		
				171.4	AB (Awanst)		
		22	50	169.2	Sbl Gu 1		
				166.5	Abzw Gu 2		
				165.6	Km 165.6 = Km 0.0		
				0.9	Km 0.9 = Km 378.3		
				378.3	<b>V-Draubücke</b>		
		30	60		(in Vb) *Vbd*		
				378.5			
				378.9			
3.33		35	80		<b>Str. 413</b>	<b>Str. 413-14</b>	80
				379.1	← <b>V. Westbf</b> (in Vb) →		
					*Vf*	379.1	
				381.2	AB (Awanst)		
				381.7	Villach Warmbad	381.7	
		3.40			Villach Warmbad		
					<b>Str. 413-19</b>		
					← <b>V.S. Gvbf-Auen</b> →		
				382.7	(in Vsv) *Vu*	382.7	
					Km 383.6 = Km 5.5		

M 4399							
Str. 413 – GSM-R – A –							
Str. 413-19 – GSM-R – A –							
4	5	6	1	2	3	2a	1a
		3.42	80		Km 383.6 = Km 5.5	3.7	80
				384.0	<b>Villach Süd Gvbf</b>		
					(in Vsv) *Vsv*		
					<b>V.S. Gvbf-Ausfgr.</b>		
					(in Vsv) *Va*		
					<b>Str. 413-17</b>		
				386.5	<b>Fürnitz</b> (in Vsv) *Fn*		
				387.3	Km 387.3 = Km 0.0		
				1.5			
				2.3	<b>V.S. Gvbf-Einfgr.</b> →		
			20		(in Vsv) *Ve*	2.3	
						2.7	20
						2.3	

# Muster 4400

nP

Muster für nP-Züge mit Bmax 55 %

- BT 435 b
- Tbv-Vf
- Bh = 55%
- 438 a
- Vf-Gu Z2
- Bh = 28%
- 440 a
- Gu Z2-Swa
- Bh = 55%
- 411 a
- Swa-Sr
- Bh = 55%

## M 4400

Vmax = 90 km/h Bhmax = 55%						
4	5	6	1	2	3	2a1a
			80		Tarvisio Boscoverde – GSM-R–A –	
		0.00		88.8	Staatsgrenze n. Thörl-M.	
				94.3	Thörl-Maglern	
		06		400.2	Arnoldstein	
		10		395.0		
				392.1	Pöckau	
			80		Str. 413 ← V.S. Gvbf-West → (in Vsv) *Vw*	90
		14		389.7	Neuhaus a.d.Gail (in Vsv)	
				389.3	Neuhaus a.d.Gail (in Vsv)	
					Km 1.8 = Km 1.2	
		17		386.5	Fürnitz (in Vsv) *Fn*	
					Str. 413-19 V.S. Gvbf-Einfgr. (in Vsv) *Ve*	
					Villach Süd Gvbf (in Vsv) *Vsv*	
		0.19		384.0	V.S. Gvbf-Ausfgr. (in Vsv) *Va*	
					Km 5.5 = Km 383.6	
						3.75.5

## M 4400

Str. 413 – GSM-R–A –						
4	5	6	1	2	3	2a1a
			80		Km 5.5 = Km 383.6 Str. 413-14 ← V.S. Gvbf-Auen → (in Vsv) *Vu*	90
		0.20		382.7	Villach Warmbad	
				381.7	Villach Warmbad	
				381.2	AB (Awanst)	
					Str. 413-14	
				379.1	← V. Westbf (in Vb) → *Vf*	382.7381.7379.1
0.24						
			60		V-Draubücke (in Vb) *Vbd*	
		33		378.3		
			50	0.9	Km 378.3 = Km 0.9	
					Km 0.0 = Km 165.6	
		36		166.5	Abzw Gu 2	
			90	169.0	Sbl Gu 1	
				171.4	AB (Awanst)	
				171.9		
		41	80	172.8	Gummern	
				174.0	Puch	
				174.5		
			90	177.4	Sbl Pf 1	
				177.7	Weißent.-K.	
				178.7	AB (Awanst)	
		0.48		183.2	Paternion-Feistr.	
				185.7	Markt Paternion	
				187.0	Ferndorf	
				187.1	Sbl Ro 1	



M 4400							– GSM-R – A –			
4	5	6	1	2	3	2a	1a			
1.02		0.54	90	187.1	Sbl Ro 1					
			80	188.1	AB (Awanst)					
				190.0	Schutzstrecke					
				191.7	<b>Rothenthurn</b>					
				196.2	Sbl Stt 1					
			70	198.4	GPE					
				198.7						
				199.4						
			90	200.1	<b>Spittal-Millst.</b>					
				80.9	Sbl Uz 1					
17		1.12		77.9	Km 75.1 = Km 75.0					
				75.1	Abzww Str. 40701 (in Uz)					
				74.4	<b>Pusarnitz-Süd</b> (in Uz)					
				74.0	*Uzs*					
				72.8	<b>Pusarnitz</b> (in Uz)					
				69.4	Mühdorf-Möllbrücke					
				69.1	Üst Kl 2					
				67.3	Sbl Kl 1					
				64.8	<b>Kolbnitz</b>					
				61.7	Sbl Pk 1					
32		1.38		58.4	<b>Penk</b>					
				58.3	Km 58.3 = Km 57.9					
				55.8	Oberfalkenstein					
				54.5	Sbl Ma 3					
				51.7	Üst Ma 2					
				48.9	Sbl Ma 1					
				46.9	Km 46.9 = Km 46.0					

M 4400								– GSM-R – A –			
4	5	6	1	2	3	2a	1a				
1.44		1.50	90	46.9	Km 46.9 = Km 46.0						
				45.9	Mallnitz-Obervell. (in Ma) *Ma*						
			80	45.1	Mallnitz-Nord (in Ma) *Mtn*						
				43.3	Mallnitz-Hintertal (in Ma) *Mth* Bstg.a.B.						
				43.2							
			90	42.2	Sbl Bs 4						
				40.7	Sbl Bs 3						
				38.2	Sbl Bs 2						
				36.4	Sbl Bs 1						
				85	34.2			Böckstein			
		2.01		34.1	GPE						
				33.9							
			70	31.7							
			55								
			60	30.9	Bad Gastein						
				30.1							
			70	29.4							
				29.1							
			70	27.7	Abzw Al 1						
				26.1							
		10	70	25.4	Angertal Bstg.a.B.						
				25.4							
			23.7								
			22.6	Abzw Hg 1							
			22.4	Hst außer Betrieb							

M 4400							– GSM-R – A –			
4	5	6	1	2	3	2a	1a			
			55	22.4	Hst außer Betrieb					
		2.17	75	20.8	Bad Hofgastein					
		20	90	19.3	Dorfgastein					
				18.8	Sbl Lof 2					
				14.3	GPE					
			80	11.8						
				11.1						
			10.5							
			80							
			80	9.5	Abzw Lof 1					
		24		9.3						
			65	7.7						
		26		7.4	Km 7.4 = Km 7.1					
				6.8	Loif.-Süd (in Lof) *Lsf*					
			70	6.4						
				6.3						
		27	75		Loifarn (in Lof)					
				5.4	*Lof* Bstg.a.B.					
				2.4	Sbl Swa 1T					
				1.4	PZB 1000 Hz					
			60	0.7						
2.33		2.39		66.5	Schwarzach-St.V.					
			70							
			80	64.4						
				64.3	Sbl Jp 2					
				63.1	Sbl Jp 1					

M 4400							– GSM-R – A –			
4	5	6	1	2	3	2a	1a			
				63.1	Sbl Jp 1					
			85							
		2.45	90	62.2	St.Johann i.P.					
				61.3						
			85	60.0						
		49		59.2	Sbl Bo 3					
				56.9	Üst Bo 2					
			85	56.8						
			80	55.8						
			70	55.4						
				55.3	Mitterberghütten					
				55.1	Sbl Bo 1					
			70	54.8	Bischofshofen Fbf					
		52		53.2	(in Bo) *Bob*					
			80	52.5	Bischofshofen (in Bo)					
		53		52.3	*Bo*					
				52.0	Km 52.0 = Km 51.7					
			85	51.2						
			90	50.5						
				50.2	Sbl Rf 2					
				47.8	Sbl Rf 1					
				46.6	Pfarwerfen					
		2.58		45.2	Werfen					
				44.5						

M 4400							– GSM-R – A –								
4	5	6	1	2	3	2a	1a								
				44.5	Tenneck (Awanst)										
			80												
			70	44.2											
				42.2											
			70	42.1											
				41.5											
			70	40.8											
				38.7											
				38.6											
				37.6											
3.04			65		Sulzau Lst Üst Gg 4										
08			70	37.1											
				34.5											
				31.7											
				31.6											
13			90	31.3											
				31.1											
				28.8											
				26.2											
17				25.6											
				25.2											
				24.5											
				22.9											
				22.4											
				21.7											
				20.9	Bad Vigaun Sbl HI 1 Hallein Burgfried										
			85	20.1											
				19.4											
			90	19.2											
3.21	Hallein														
				17.8											

M 4400								– GSM-R – A –			
4	5	6	1	2	3	2a	1a				
		3.21	90	17.8	Hallein						
			16.0	Oberalm							
			14.9	Sbl Aj 7							
			14.5	Puch bei Hallein							
			13.8	Sbl Aj 6							
			13.2	Puch Urstein							
			12.2	Üst Aj 5							
			10.3	Sbl Aj 2							
			9.0	Elsbethen							
			8.7	Sbl Aj 1							
		25	7.9	Salzburg Süd							
			7.8								
			85								
			6.9								
			Salzburg Aigen								
			5.8	Salzburg Parsch							
			4.5	Sb Gnigl-Einfgr.							
			3.5	(in Sb) *Sre*							
			3.0	Salzburg Gnigl (in Sb)							
			2.5								
		3.38	85	2.4	Salzbg. Gnigl-Vbf						
				(in Sb) *Sr*							
	3.42		85								

# Muster 4401

nP

Muster für nP-Züge mit Bmax 55%

- BT 411 a Sb-Swa
- 440 a Swa-Gu Z2
- 438 a Gu Z2-Vf
- 433 b Vf-Tbv
- Bh = 53%
- Bh = 55%
- Bh = 37%
- Bh = 53%

M 4401							Vmax = 90 km/h Bhmax = 55% – GSM-R– A –		
4	5	6	1	2	3	2a	1a		
		0.00	60	0.0 (in Sb) *Sb*	Salzburg Hbf				
		03		1.0 *Sbm*	Salzbg.-Mitte (in Sb)				
		05	85	2.1 Salzburg Sam (in Sb)	Salzbg. Gnigl-Vbf				
		07		2.4 (in Sb) *Sr*					
				3.0 Salzburg Gnigl (in Sb)	Sb Gnigl-Einfgr.				
				3.5 (in Sb) *Sre*					
		09	90	3.9					
				4.5 Salzburg Parsch	Salzburg Aigen				
				5.8					
			85	7.7					
				7.9 Salzburg Süd					
				8.6 Sbl Aj 1					
			90	9.0 Elsbethen					
				10.1 Sbl Aj 2					
		0.13		12.2 Üst Aj 5					
				13.2 Puch Urstein					
				13.3 Sbl Aj 6					
				14.5 Puch bei Hallein					
				14.8 Sbl Aj 7					
				16.0 Oberalm					

# M 4401

– GSM-R– A –

4	5	6	1	2	3	2a	1a
		0.17	90	16.0 Oberalm Hallein			
				17.8 Hallein Burgfried			
				19.4 Sbl HI 1			
				20.0 Bad Vigaun			
				20.9 Sbl HI 2			
				21.1 Kuchl Garnei			
		21		22.4 Üst HI 3			
				22.9 Sbl HI 4			
				24.3 Kuchl Lst (Awanst)			
				25.2 Kuchl			
				25.6 Sbl HI 5			
				26.1 PZB 1000 Hz			
		25		28.0 Golling-Abt.			
				28.8 Schutzstrecke			
				31.0 GPE			
				31.1 31.3			
			70	31.6 AB (Awanst)			
				31.6 Sbl Gg 1			
		30		34.5 Üst Gg 2			
				37.0 Sbl Gg 3			
		34		38.6 Üst Gg 4			
				38.7 Sulzau Lst			
				41.4 Sbl Gg 5			
				42.2 Tenneck (Awanst)			
			80	44.2			
				44.5			
		0.40	90	45.2 Werfen			
				46.6 Pfarnerfen			

M 4401							– GSM-R – A –			
4	5	6	1	2	3	2a	1a			
0.57	1.07	1.14	90	46.6	Pfarrwerfen	0.45	46			
				47.7	Sbl Rf 1					
				49.6	Sbl Rf 2					
			80	51.2	Km 51.7 = Km 52.0					
				51.7	Bischofshofen (in Bo)					
				52.3	*Bo*					
			70	53.2	Bischofshofen Fbf (in Bo) *Bob*					
				54.8	Sbl Bo 1					
				54.9	Mitterberghütten					
			80	55.3						
				55.4						
				56.6						
			85	56.8	Üst Bo 2					
				56.9	Sbl Bo 3					
				59.0	St.Johann i.P.					
90	61.3	Sbl Jp 1								
	62.9	Sbl Jp 2								
	64.1									
70	64.4									
	0.0	Schwarzach-St.V.								
	0.7									
90	1.7	Sbl Swa 1T								
	5.4	Loifarn (in Lof)								
		*Lof* Bstg.a.B.								

M 4401							– GSM-R – A –		
4	5	6	1	2	3	2a	1a		
1.41	1.47	1.14	90	5.4	Loifarn (in Lof) *Lof* Bstg.a.B.				
				6.4	GPE				
				6.5					
		15	70	6.8	Loif.-Süd (in Lof) *Lsf*				
				7.1	Km 7.1 = Km 7.4				
				7.7					
		17	80	9.3	Abzw Lof 1				
				9.5					
				11.7	Sbl Lof 2				
		21	90	14.3	Dorfgastein				
				17.9	GPE				
				19.3	Bad Hofgastein				
		24		22.4	Hst außer Betrieb				
				22.6	Abzw Hg 1				
				25.2					
30	80	25.4	Angertal Bstg.a.B.						
		27.7	Abzw Al 1						
		29.1							
33	70	29.4							
		30.1							
		30.4							
36	60	30.1							
		30.4							
		33.9							
	70	34.2							
		36.1							
		37.9							
	90	40.4							

M 4401							– GSM-R – A –		
4	5	6	1	2	3	2a	1a		
		1.57	90	40.4	Sbl Bs 3				
				41.9	Sbl Bs 4				
				43.0	GPE				
				43.3	Mallnitz-Hintertal (in Ma) *Mth* Bstg a.B.				
			80	43.7					
			70						
			75	44.6	Mallnitz-Obervell. (in Ma) *Ma*				
			59	45.9					
				46.0	Km 46.0 = Km 46.9				
				48.7	Sbl Ma 1				
2.03	51.7	Üst Ma 2							
		09	70	52.6					
				52.7					
			75	54.2	Sbl Ma 3				
				55.8	Oberfalkenstein				
				57.9	Km 57.9 = Km 58.3				
				58.4	Penk				
				61.6	Sbl Pk 1				
			14	64.8	Kolbnitz				
				67.1	Sbl Kl 1				
			18	69.1	Üst Kl 2				
	69.4	Mühdorf-Möllbrücke							
21	72.8	Pusarnitz (in Uz)							
		22	90	74.0	Pusarnitz-Süd (in Uz) *Uzs*				
				74.4	Abzww Str. 40701 (in Uz)				
			2.22						

M 4401								– GSM-R – A –			
4	5	6	1	2	3	2a	1a				
2.28		2.22	90	74.4	Abzww Str. 40701 (in Uz)						
				75.0	Km 75.0 = Km 75.1						
				77.7	Sbl Uz 1						
				80.8	GPE						
				200.1	Spittal-Millst.						
			70								
			80	199.4							
				198.7							
			90	196.3	Sbl Stt 1	Rothenthurn					
				191.7	Schutzstrecke						
	188.1	AB (Awanst)									
	187.2	Sbl Ro 1									
	187.0	Ferndorf									
		47		185.7	Markt Paternion						
				183.2	Paternion-Feistr.						
				178.7	AB (Awanst)						
				177.7	Weissenst.-K.						
				177.5	Sbl Pf 1						
			174.5								
			80	174.0	Puch	Gummern					
				172.8							
			90	171.4	AB (Awanst)						
				169.2	Sbl Gu 1						
	166.5		Abzw Gu 2								
	3.00	50	165.6	Km 165.6 = Km 0.0							
			0.9	Km 0.9 = Km 378.3							

M 4401							
– GSM-R – A –							
4	5	6	1	2	3	2a	1a
	3.03		50	0.9	Km 0.9 = Km 378.3 <b>V.-Draubücke</b> (in Vb) *Vbd*		
				378.3			
			378.5				
			60				
				378.9			
3.05	20		90	379.1	<b>Str. 413</b> <b>V. Westbf</b> (in Vb) → *Vf*	<b>Str. 413-14</b>	379.1
				381.2			
				381.7			
					Villach Warmbad	381.7	
	26			382.7	<b>V.S. Gvbf-Auen</b> → (in Vsv) *Vu*	<b>Str. 413-19</b>	382.7
		27		384.0	(in Vsv) *Vsv*	<b>Villach Süd Gvbf</b>	
					<b>V.S. Gvbf-Ausfgr.</b> (in Vsv) *Va*		3.7
		29		386.5	<b>Fürnitz</b> (in Vsv) *Fn*		
					<b>Str. 413-18</b> <b>V.S. Gvbf-Einfgr.</b> (in Vsv) *Ve*		2.3
					Km 1.2 = Km 1.8		
				389.3	Neuhaus a.d.Gail (in Vsv)		
					Neuhaus a.d.Gail (in Vsv)		0.4
		3.31		389.7	<b>V.S. Gvbf-West</b> → (in Vsv) *Vw*		389.7

M 4401							
Str. 413 – GSM-R – A –							
4	5	6	1	2	3	2a	1a
		3.31	90	389.7	← <b>V.S. Gvbf-West</b> → (in Vsv) *Vw*	389.7	60
			90	392.1 395.0 400.2	Pöckau <b>Arnoldstein</b> <b>Thörl-Maglern</b> – <b>GSM-R– Ende</b> –		
				401.0	Staatsgrenze n. Thörl-M. <b>Tarvisio</b> <b>Boscoverde</b>		
3.49		36 3.41					

# Muster 4402

nP

Muster für nP-Züge mit Bmax 59 %

- BT 433 b Tbv-Vf Bh = 58%
- 438 a Vf-Gu Z2 Bh = 28%
- 437 b Gu Z2-Stt Bh = 59%
- 440 a Stt-Swa Bh = 55%
- 411 a Swa-Sb Bh = 55%

## M 4402

M 4402						
Vmax = 100 km/h Bhmax = 59%						
4	5	6	1	2	3	2a 1a
			90		<b>Tarvisio</b> <b>Boscoverde</b> – <b>GSM-R – A –</b> Staatsgrenze n. Thörl-M.	
		0.00		88.8		
		07		94.3		
		10		400.2	<b>Thörl-Maglern</b>	
				395.0	<b>Arnoldstein</b>	
				392.1	Pöckau	
					<b>Str. 413</b>	
			90		<b>Str. 413-18</b>	90
		14		389.7	<b>V.S. Gvbf-West</b> ← (in Vsv) *Vw* →	0.0
				389.3	Neuhaus a.d.Gail (in Vsv)	
					Neuhaus a.d.Gail (in Vsv)	0.4
					Km 1.8 = Km 1.2	
		17		386.5	<b>Fürnitz</b> (in Vsv) *Fn*	
					<b>Str. 413-19</b>	
					<b>V.S. Gvbf-Einfgr.</b> (in Vsv) *Ve*	2.3
					<b>Villach Süd Gvbf</b> (in Vsv) *Vsv*	
		0.19		384.0		
					<b>V.S. Gvbf-Ausfgr.</b> (in Vsv) *Va*	3.7
					Km 5.5 = Km 383.6	5.5

## M 4402

Str. 413 - GSM-R- A -				Str. 413-19 - GSM-R- A -			
4	5	6	1	2	3	2a	1a
0.20		0.20	90		Km 5.5 = Km 383.6 <b>Str. 413-14</b> <b>V.S. Gvbf-Auen</b> → ← (in Vsv) *Vu*	5.5	90
				382.7	Villach Warmbad	382.7	
				381.7	Villach Warmbad		
				381.2	AB (Awanst)	381.7	
0.24		30		379.1	<b>Str. 413-14</b> <b>V. Westbf</b> (in Vb) → ← *Vf*	379.1	
0.47		33	60		<b>V-Draubücke</b> (in Vb) *Vbd*		
				378.3	Km 378.3 = Km 0.9		
			50	0.9	Km 0.0 = Km 165.6		
				166.5	Abzw Gu 2		
			90				
				168.8			
			100	169.0	Sbl Gu 1		
				171.4	AB (Awanst)		
				171.9			
				172.8	<b>Gummern</b>		
0.47		40		174.0	Puch		
				174.5			
			100	177.4	Sbl Pf 1		
				177.7	Weißerst.-K.		
				178.7	AB (Awanst)		
				183.2	<b>Paternion-Feistr.</b>		
			185.7	Markt Paternion			



M 4402								– GSM-R – A –			
4	5	6	1	2	3	2a	1a				
1.00		0.53	100	185.7	Markt Paternion						
				187.0	Ferndorf						
				187.1	Sbl Ro 1						
				188.1	AB (Awanst)						
				190.0	Schutzstrecke						
				191.7	<b>Rothenthurn</b>						
				196.2	Sbl Stt 1						
				198.4	GPE						
			80	198.7							
			70	199.4							
			100	200.1							
				80.9			<b>Spittal-Millst.</b>				
				77.9			Sbl Uz 1				
				75.1			Km 75.1 = Km 75.0				
				74.4			Abzww Str. 40701 (in Uz)				
				74.0			<b>Pusarnitz-Süd</b> (in Uz)				
			16	74.0			*Uzs*				
			17	72.8			<b>Pusarnitz</b> (in Uz)				
			20	69.4			Mühdorf-Möllbrücke				
				69.1			Üst Kl 2				
		1.30	24	67.3	Sbl Kl 1						
				64.8	<b>Kolbnitz</b>						
				61.7	Sbl Pk 1						
			1.30	58.4	<b>Penk</b>						
				58.3	Km 58.3 = Km 57.9						
				55.8	Oberfalkenstein						
				54.5	Sbl Ma 3						

M 4402								– GSM-R – A –			
4	5	6	1	2	3	2a	1a				
1.42		1.36	90	54.5	Sbl Ma 3						
				51.7	Üst Ma 2						
				48.9	Sbl Ma 1						
				46.9	Km 46.9 = Km 46.0						
				48	45.9			Mallnitz-Obervell. (in Ma) *Ma*			
			50	80	45.1			Mallnitz-Nord (in Ma) *Mtn*			
			53		43.3			Mallnitz-Hintertal (in Ma) *Mth* Bstg.a.B.			
					43.2						
					90			42.2	Sbl Bs 4		
								40.7	Sbl Bs 3		
59			85	38.2	Sbl Bs 2						
				36.4	Sbl Bs 1						
				34.2	Böckstein						
				34.1	GPE						
					33.9						
					70						
					31.7						
					55						
					30.9						
			2.03		60			30.1	Bad Gastein		
06			70	29.4							
					29.1						
					27.7			Abzw Al 1			
					26.1						
					25.4						
			2.08		70			23.7	Angertal Bstg.a.B.		

M 4402								– GSM-R – A –			
4	5	6	1	2	3	2a	1a				
	2.11			23.7							
			55	22.6	Abzw Hg 1						
				22.4	Hst außer Betrieb						
			20.8	19.3							
	15		75	18.8	Bad Hofgastein						
				14.3							
	18		90	11.8	Dorfgastein						
				11.1	Sbl Lof 2						
				10.5	GPE						
			80								
	22		80	9.5							
				9.3	Abzw Lof 1						
	24		65	7.7							
				7.4	Km 7.4 = Km 7.1						
2.31				6.8	Loif-Süd (in Lof) *Lsf*						
				6.4							
		70			6.3						
				75	5.4	Loifarn (in Lof)					
	25				*Lof* Bstg.a.B.						
			2.4	Sbl Swa 1T							
				1.4	PZB 1000 Hz						
			0.7								
	2.37		60	66.5	Schwarzach-St.V.						
			70								
		80	64.4								
			64.3	Sbl Jp 2							
			63.1	Sbl Jp 1							

M 4402								– GSM-R – A –			
4	5	6	1	2	3	2a	1a				
				63.1	Sbl Jp 1						
			85								
		2.44	90	62.2	St.Johann i.P.						
				61.3							
			85	60.0							
		48		59.2	Sbl Bo 3						
				56.9	Üst Bo 2						
			85	56.8							
				55.8							
			80								
			70	55.4	Mitterberghütten						
				55.3							
				55.1	Sbl Bo 1						
			70	54.8	Bischofshofen Fbf						
		51		53.2	(in Bo) *Bob*						
			80	52.5	Bischofshofen (in Bo)						
		52		52.3	*Bo*						
				52.0	Km 52.0 = Km 51.7						
			85	51.2							
				50.5							
			90	50.2	Sbl Rf 2						
				47.8	Sbl Rf 1						
				46.6	Pfarrwerfen						
		2.57		45.2	Werfen						
				44.5							

M 4402							– GSM-R – A –								
4	5	6	1	2	3	2a	1a								
				44.5	Tenneck (Awanst)										
			80												
			70	44.2											
			70	42.2											
				42.1											
			70	41.5											
				40.8											
			70	38.7											
				38.6											
			65	37.6											
			70	37.1											
				34.5											
				31.7											
				31.6											
			90	31.3	Schutzstrecke Golling-Abt.										
				31.1											
				28.8											
				26.2											
				25.6											
				25.2											
				24.5											
				22.9											
				22.4											
				21.7											
				20.9											
			85	20.1											
				19.4											
			90	19.2											
				17.8											

M 4402							– GSM-R – A –			
4	5	6	1	2	3	2a	1a			
			3.20	90	Hallein					
					17.8					
					16.0					
					14.9					
					14.5					
					13.8					
					13.2					
					12.2					
					10.3					
					9.0					
					8.7					
					7.9					
				85	7.8					
			29	90	Salzburg Aigen					
					5.8					
			31		4.5					
					3.5					
					3.0					
					2.5					
					2.4					
					2.2					
					2.1					
					1.0					
					0.0					

# Muster 4403<sub>nP</sub>

Muster für nP-Züge mit Bmax 58%

- BT
- 409 a

Sb-HI

U3

Bh = 58%
- 408 a

HI

U3-Rf

Bh = 57%
- 409 a

Rf-Bo

Bh = 48%
- 411 a

Bo-Swa

Bh = 53%
- 437 a

Swa-Bs

Bh = 53%
- 440 a

Bs-Stt

Bh = 55%
- 438 a

Stt-Vf

Bh = 57%
- 433 b

Vf-Tbv

Bh = 57%

# M 4403

Vmax = 100 km/h Bhmax = 58% – GSM-R – A –						
	4	5	6	1	2	3
						2a 1a
M 4403			0.00	60	0.0 (in Sb) *Sb*	Salzburg Hbf
			03		1.0 *Sbm*	Salzbg.-Mitte (in Sb)
			05	90	2.1 Salzburg Sam (in Sb)	Salzbg. Gnigl-Vbf
			07		2.4 (in Sb) *Sr*	
			09		3.0 Salzburg Gnigl (in Sb)	Sb Gnigl-Einfgr.
					3.5 (in Sb) *Sre*	
					4.5 Salzburg Parsch	
					5.8 Salzburg Aigen	
					7.9 Salzburg Süd	
					8.6 Sbl Aj 1	
					9.0 Elsbethen	
			0.14		10.1 Sbl Aj 2	
					12.2 Üst Aj 5	
					13.2 Puch Urstein	
				13.3 Sbl Aj 6		
				14.5 Puch bei Hallein		
				14.8 Sbl Aj 7		

# M 4403

– GSM-R – A –						
4	5	6	1	2	3	2a 1a
	0.18		90	14.8	Sbl Aj 7	
				16.0	Oberalm	
				17.8	Hallein	
			19.4	Hallein Burgfried		
			20.0	Sbl HI 1		
			20.9	Bad Vigaun		
			21.1	Sbl HI 2		
			22.4	Kuchl Garnei		
			22.9	Üst HI 3		
			24.3	Sbl HI 4		
		22	100	25.2	Kuchl Lst (Awanst)	
				25.6	Kuchl	
				26.1	Sbl HI 5	
			28.0	PZB 1000 Hz		
			28.8	Golling-Abt.		
			29.2			
			31.0	Schutzstrecke		
			31.1	GPE		
			31.3			
			31.6	AB (Awanst)		
	31		70	31.6	Sbl Gg 1	
				34.5	Üst Gg 2	
				37.0	Sbl Gg 3	
			38.6	Üst Gg 4		
			38.7	Sulzau Lst		
			41.4	Sbl Gg 5		
			42.2	Tenneck (Awanst)		
			44.2			
			44.5			

M 4403							- GSM-R - A -			
4	5	6	1	2	3	2a	1a			
0.41		0.41		44.5	<b>Werfen</b> Pfarrwerfen Sbl Rf 1 Sbl Rf 2					
			90	45.2						
				46.6						
				47.7						
				49.6						
				51.2	Km 51.7 = Km 52.0 <b>Bischofshofen</b> (in Bo) *Bo* <b>Bischofshofen Fbf</b> (in Bo) *Bob*					
			80	51.7						
			46	52.3						
			47	53.2						
				54.8	Sbl Bo 1 Mitterberghütten					
			70	54.9						
				55.3						
			80	55.4						
				56.6	Üst Bo 2 Sbl Bo 3 <b>St.Johann i.P.</b> Sbl Jp 1 Sbl Jp 2					
			85	56.8						
			50	56.9						
			53	59.0						
0.58		1.08		61.3	<b>Schwarzach-St.V.</b> Sbl Swa 1T					
				62.9						
			70	64.1						
			60	64.4						
			90	0.0						
				0.7						
				1.7						

M 4403							- GSM-R - A -			
4	5	6	1	2	3	2a	1a			
1.15		1.15	90	1.7	<b>Loifarn</b> (in Lof) *Lof* Bstg.a.B. GPE					
			100	2.6						
				5.4						
				6.4						
			70	6.5	<b>Loif.-Süd</b> (in Lof) *Lsf* Km 7.1 = Km 7.4 Abzw Lof 1					
				6.8						
				7.1						
				7.7						
			80	9.3	<b>Dorfgastein</b> GPE					
			90	9.5						
				10.8						
			100	11.7						
				14.3	<b>Bad Hofgastein</b> Hst außer Betrieb Abzw Hg 1					
				17.9						
				18.2						
1.37		1.37	90	19.3	<b>Angertal</b> Bstg.a.B. Abzw Al 1					
				22.4						
				22.6						
			70	25.2						
			80	25.4	<b>Bad Gastein</b>					
				27.7						
				29.1						
			70	29.4						
			60	30.1						
				30.4						

M 4403								– GSM-R – A –			
4	5	6	1	2	3	2a	1a				
1.42		1.47		30.4							
			70								
			100								
			90	36.1							
				37.9							
				40.4							
				41.9							
				43.0							
				43.3							
			80								
		56	70	43.7							
			75	44.6							
				45.9							
				46.0							
				48.7							
				51.7							
				52.6							
			70	52.7							
			75	54.2							
				55.8							
		09		57.9							
				58.4							
				61.6							
				64.8							

M 4403								– GSM-R – A –			
4	5	6	1	2	3	2a	1a				
		2.14	75	64.8	Kolbnitz						
				67.1	Sbl Kl 1						
				69.1	Üst Kl 2						
				69.4	Mühdorf-Möllbrücke						
				72.8	Pusarnitz (in Uz)						
			90	74.0	Pusarnitz-Süd (in Uz)						
					*Uzs*						
				74.4	Abzww Str. 40701 (in Uz)						
				75.0	Km 75.0 = Km 75.1						
				77.7	Sbl Uz 1						
		33		80.8	GPE						
			200.1	200.1	Spittal-Millst.						
			70								
			80	199.4							
				198.7							
			90	196.3	Sbl Stt 1						
				191.7	Rothenthurn						
				190.1	Schutzstrecke						
				188.1	AB (Awanst)						
				187.2	Sbl Ro 1						
		42		187.0	Ferdorf						
				185.7	Markt Paternion						
				183.2	Paternion-Feistr.						
				178.7	AB (Awanst)						
				177.7	Weißent.-K.						
				177.5	Sbl Pf 1						
			174.5								
			80	174.0	Puch						
				172.8	Gummern						
		2.55									

M 4403

– GSM-R – A –							
4	5	6	1	2	3	2a	1a
M 4403		2.55	80	172.8	Gummern  AB (Awanst) Sbl Gu 1 Abzw Gu 2 Km 165.6 = Km 0.0 Km 0.9 = Km 378.3 V-Draubücke (in Vb) *Vbd*		
			90	171.9			
			90	171.4			
			169.2				
			166.5				
50	165.6						
0.9							
378.3							
378.5							
60	378.9						
3.05	20	90	379.1	Str. 413 V. Westbf (in Vb) → *Vf*			Str. 413-14
			381.2	AB (Awanst)			
			381.7	Villach Warmbad	Villach Warmbad	381.7	
			382.7	V.S. Gvbf-Auen (in Vsv) *Vu* →	Str. 413-19		
			382.7			379.1	
	26		382.7	(in Vsv) *Vu*	Km 383.6 = Km 5.5		
			384.0	Villach Süd Gvbf (in Vsv) *Vsv*			
				V.S. Gvbf-Ausfgr. (in Vsv) *Va*			
				Fürnitz (in Vsv) *Fn*		3.7	
			386.5				
		3.29					

M 4403

Str. 413 – GSM-R– A –			Str. 413-19 – GSM-R– A –				
4	5	6	1	2	3	2a	1a
		3.29	90	386.5	Fürnitz (in Vsv) *Fn*  Str. 413-18 V.S. Gvbf-Einfgr. (in Vsv) *Ve*  Km 1.2 = Km 1.8 Neuhaus a.d.Gail (in Vsv)  ← V.S. Gvbf-West (in Vsv) *Vw* → Neuhaus a.d.Gail (in Vsv)	2.3	90
			389.3			0.4	
			389.7			389.7	
32							
		36 3.42	90	392.1	Pöckau Arnoldstein Thörl-Maglarn – GSM-R– Ende – Staatsgrenze n. Thörl-M.		
				395.0			
				400.2			
				401.0			
3.49							

# Muster 4404<sub>nP</sub>

Muster für nP-Züge mit Bhmax 64%

BT 433 b Tbv-Vf Bh = 58%  
438 a Vf-Gu Z2 Bh = 28%  
441 a Gu Z2-Swa Bh = 64%  
409 a Swa-Sb Bh = 64%

M 4404							Vmax = 100 km/h Bhmax = 64%		
4	5	6	1	2	3	2a	1a		
							90	Tarvisio Boscoverde – GSM-R – A –	
							0.00	88.8	
							07	94.3 Staatsgrenze n. Thörl-M.	
							10	400.2 Thörl-Maglarn Arnoldstein	
								395.0	
								392.1 Pöckau	
							90	Str. 413 ← V.S. Gvbf-West → (in Vsv) *Vw*	Str. 413-18
							14	389.7	0.0
								389.3 Neuhaus a.d.Gail (in Vsv)	
								Neuhaus a.d.Gail (in Vsv)	0.4
							17	386.5 Fürnitz (in Vsv) *Fn*	
								Str. 413-19 V.S. Gvbf-Einfgr. (in Vsv) *Ve*	2.3
							0.19	Villach Süd Gvbf (in Vsv) *Vsv*	
								V.S. Gvbf-Ausfgr. (in Vsv) *Va*	3.7
								Km 5.5 = Km 383.6	5.5

# M 4404

Str. 413 – GSM-R – A –							Str. 413-19 – GSM-R – A –		
4	5	6	1	2	3	2a	1a		
							90	Km 5.5 = Km 383.6 Str. 413-14 ← V.S. Gvbf-Auen → (in Vsv) *Vu*	5.5
							0.20	382.7 Villach Warmbad	382.7
								381.7 Villach Warmbad	
								381.2 AB (Awanst)	381.7
								Str. 413-14 V. Westbf (in Vb) → *Vf*	
							0.24	379.1	379.1
								V.-Draubücke (in Vb) *Vbd*	
							37	378.3	
								0.9 Km 378.3 = Km 0.9	
							40	166.5 Km 0.0 = Km 165.6	
								Abzw Gu 2	
								Sbl Gu 1	
								171.4 AB (Awanst)	
								171.9	
							45	172.8 Gummern	
								174.0 Puch	
								174.5	
								Sbl Pf 1	
								177.4 Weißenst.-K.	
								177.7	
								178.7 AB (Awanst)	
							0.52	183.2 Paternion-Feistr.	
								185.7 Markt Paternion	
								187.0 Ferndorf	
								187.1 Sbl Ro 1	



M 4404							– GSM-R – A –			
4	5	6	1	2	3		2a	1a		
1.05			100	187.1	Sbl Ro 1	0.58				
				188.1	AB (Awanst)					
				190.0	Schutzstrecke					
				191.7	<b>Rothenthurn</b>					
				196.2	Sbl Stt 1					
				198.4	GPE					
				198.7						
			80							
				199.4						
			70							
				200.1	<b>Spittal-Millst.</b>	1.20				
			100	80.9	Sbl Uz 1					
				77.9						
				75.1	Km 75.1 = Km 75.0					
				74.4	Abzww Str. 40701 (in Uz)					
	25				<b>Pusarnitz-Süd</b> (in Uz)					
	26			74.0	*Uzs*					
	27			72.8	<b>Pusarnitz</b> (in Uz)					
				69.4	Mühdorf-Möllbrücke					
	29			69.1	Üst Kl 2					
				67.3	Sbl Kl 1	33				
				64.8	<b>Kolbnitz</b>					
				61.7	Sbl Pk 1					
	39			58.4	<b>Penk</b>					
				58.3	Km 58.3 = Km 57.9					
				55.8	Oberfalkenstein					
				54.5	Sbl Ma 3					
				51.7	Üst Ma 2					
	1.45			48.9	Sbl Ma 1					
				46.9	Km 46.9 = Km 46.0					

M 4404							– GSM-R – A –			
4	5	6	1	2	3		2a	1a		
1.51			100	46.9	Km 46.9 = Km 46.0	1.56				
				45.9	<b>Mallnitz-Obervell.</b> (in Ma) *Ma*					
			80	45.1	<b>Mallnitz-Nord</b> (in Ma) *Mtn*					
				43.3	<b>Mallnitz-Hintertal</b> (in Ma) *Mth* Bstg.a.B.					
				43.2						
			100	42.2	Sbl Bs 4	07				
				40.7	Sbl Bs 3					
				38.2	Sbl Bs 2					
				36.4	Sbl Bs 1					
			95	34.2	<b>Böckstein</b>					
				34.1	GPE					
			70	33.9						
			65	31.7						
				30.4	<b>Bad Gastein</b>					
			60	30.1						
			70	29.4		11				
				29.1						
			70	27.7	Abzw Al 1					
				26.1	<b>Angertal</b> Bstg.a.B.					
			70	25.4						
				23.7		2.19				
			60	22.6	Abzw Hg 1					
				22.4	Hst außer Betrieb					

M 4404							– GSM-R – A –			
4	5	6	1	2	3	2a	1a			
			60	22.4	Hst außer Betrieb					
				20.8	Bad Hofgastein					
	2.22		85	19.3						
				18.8						
			90		Dorfgastein					
		25		18.2						
			100	14.3						
				11.8	Sbl Lof 2					
				11.1	GPE					
				10.8						
			90							
				9.5						
		29		9.3	Abzw Lof 1					
			80	7.7	Loif.-Süd (in Lof) *Lsf*					
		31		7.4						
			70	6.8						
				6.3	Km 7.4 = Km 7.1					
		32		5.4	Loifarn (in Lof) *Lof* Bstg.a.B.					
			85	5.4						
				2.4						
				1.4	Sbl Swa 1T					
				0.7	PZB 1000 Hz					
					Schwarzach-St.V.					
		43		66.5						
			60							
				64.4						
			70	64.3						
				63.1						
			85	61.3	Sbl Jp 2					
					Sbl Jp 1					
		2.50		63.1	St.Johann i.P.					
			90	61.3						

2.37

M 4404							– GSM-R – A –			
4	5	6	1	2	3	2a	1a			
					St.Johann i.P.					
		2.50	90	61.3						
				59.2						
				56.9	Sbl Bo 3					
		53			Üst Bo 2					
				56.8						
			85							
				55.4						
			70	55.3	Mitterberghütten					
				55.1	Sbl Bo 1					
				54.8	Bischofshofen Fbf (in Bo) *Bob*					
			75	53.2						
		56		52.5						
				52.3	Bischofshofen (in Bo) *Bo*					
		57		52.0						
				51.2						
				50.2	Km 52.0 = Km 51.7					
			90	50.2	Sbl Rf 2					
				47.8	Sbl Rf 1					
				46.6	Pfarrwerfen					
		3.02		45.2	Werfen					
				44.5						
			80							
				44.2	Tenneck (Awanst)					
			70	42.2						
				41.5						
				38.7	Sbl Gg 5					
				38.6	Sulzau Lst					
		08		38.6	Üst Gg 4					
				37.1	Sbl Gg 3					
				34.5	Üst Gg 2					
		3.12		31.7	Sbl Gg 1					

M 4404							– GSM-R – A –			
4	5	6	1	2	3	2a	1a			
		3.17	70	31.7	Sbl Gg 1					
				31.6	AB (Awanst)					
			90	31.3	Schutzstrecke Golling-Abt.					
				31.1						
				28.8						
				26.2	Sbl HI 5					
				25.6	Kuchl					
				25.2	Kuchl Lst (Awanst)					
				24.5	Sbl HI 4					
				22.9	Üst HI 3					
21				22.4	Kuchl Garnei					
				21.7	Sbl HI 2					
				20.9	Bad Vigaun					
				20.1	Sbl HI 1					
25				19.4	Hallein Burgfried					
				17.8	Hallein					
				16.0	Oberalm					
				14.9	Sbl Aj 7					
29				14.5	Puch bei Hallein					
				13.8	Sbl Aj 6					
				13.2	Puch Urstein					
				12.2	Üst Aj 5					
				10.3	Sbl Aj 2					
				9.0	Eisbethen					
34				8.7	Sbl Aj 1					
				7.9	Salzburg Süd					
				5.8	Salzburg Aigen					
				4.5	Salzburg Parsch					
3.36				3.5	Sb Gnigl-Einfgr. (in Sb) *Sre*					

M 4404							– GSM-R – A –			
4	5	6	1	2	3	2a	1a			
3.39		3.36	90	3.5	Sb Gnigl-Einfgr. (in Sb) *Sre*					
				3.0	Salzburg Gnigl (in Sb)					
				2.4	Salzbg. Gnigl-Vbf (in Sb) *Sr*					
				2.2	GPE					
			60	2.1	Salzburg Sam (in Sb)					
3.50		3.47		1.0	Salzbg.-Mitte (in Sb) *Sbm*					
			0.0	Salzburg Hbf (in Sb) *Sb*						

# Muster 4405<sub>nP</sub>

Muster für nP-Züge mit Bhmax 65%

- BT 409 b
- Sb-Swa
- Bh = 62%
- 441 a
- Swa-Gu Z2
- Bh = 65%
- 438 a
- Gu Z2-Vf
- Bh = 65%
- 432 b
- Vf-Tbv
- Bh = 65%

M 4405						
Vmax = 100 km/h Bhmax = 65% – GSM-R – A –						
4	5	6	1	2	3	2a 1a
0.00	03	05	60	Salzburg Hbf		
				0.0	(in Sb) *Sb*	
				1.0	*Sbm*	
			90	2.1	Salzburg Sam (in Sb)	
				2.4	Salzbg. Gnigl-Vbf (in Sb) *Sr*	
				3.0	Salzburg Gnigl (in Sb)	
				3.5	Sb Gnigl-Einfgr. (in Sb) *Sre*	
				4.5	Salzburg Parsch	
				5.8	Salzburg Aigen	
				7.9	Salzburg Süd	
14	0.18	8.6		Sbl Aj 1		
		9.0		Elsbethen		
		10.1		Sbl Aj 2		
		12.2		Üst Aj 5		
		13.2		Puch Urstein		
		13.3		Sbl Aj 6		
		14.5		Puch bei Hallein		
		14.8		Sbl Aj 7		
		16.0		Oberalm		
		17.8		Hallein		
				19.4	Hallein Burgfried	

# M 4405

– GSM-R – A –						
4	5	6	1	2	3	2a 1a
0.22			90	19.4	Hallein Burgfried	
				20.0	Sbl HI 1	
				20.9	Bad Vigaun	
				21.1	Sbl HI 2	
				22.4	Kuchl Garnei	
				22.9	Üst HI 3	
				24.3	Sbl HI 4	
				25.2	Kuchl Lst (Awanst)	
				25.6	Kuchl	
				26.1	Sbl HI 5	
26			70	28.0	PZB 1000 Hz	
				28.8	Golling-Abt.	
				31.0	Schutzstrecke	
				31.1	GPE	
				31.3		
				31.6	AB (Awanst)	
				31.6	Sbl Gg 1	
				34.5	Üst Gg 2	
				37.0	Sbl Gg 3	
				38.6	Üst Gg 4	
31			80	38.7	Sulzau Lst	
				41.4	Sbl Gg 5	
				42.2	Tenneck (Awanst)	
				44.2		
				44.5	Werfen	
				45.2		
				46.6	Pfarwerfen	
				47.7	Sbl Rf 1	
				49.6	Sbl Rf 2	

M 4405								– GSM-R – A –			
4	5	6	1	2	3	2a	1a				
1.00		0.46	90	49.6	Sbl Rf 2						
			80	51.2							
				51.7	Km 51.7 = Km 52.0						
				52.3	Bischofshofen (in Bo) *Bo*						
		47		53.2	Bischofshofen Fbf (in Bo) *Bob*						
			70	54.8	Sbl Bo 1						
				55.3	Mitterberghütten						
			85	55.4							
		50	90	56.8	Üst Bo 2						
			54	59.0	Sbl Bo 3						
61.3	St.Johann i.P.										
1.10			62.9	Sbl Jp 1							
			64.1	Sbl Jp 2							
			64.4								
			70	0.0			Schwarzach-St.V.				
			60	0.7							
			90	1.7			Sbl Swa 1T				
			2.6								
		1.17	100	5.4			Loifarn (in Lof) *Lof* Bstg.a.B.				
				6.4			GPE				
				6.5							

M 4405							– GSM-R – A –										
4	5	6	1	2	3	2a	1a										
1.18		1.18		6.5	Loif.-Süd (in Lof) *Lsf* Km 7.1 = Km 7.4												
			70	6.8													
				7.1													
				7.7													
			20	80							9.3	Abzw Lof 1					
				90							9.5						
			24	100							10.8	Dorfgastein Sbl Lof 2 GPE					
											11.7						
											14.3						
				27							90	17.9	Bad Hofgastein Hst außer Betrieb Abzw Hg 1				
18.2																	
19.3																	
22.4																	
30	70	22.6	Angertal Bstg.a.B. Abzw Al 1														
		25.2															
33	80	25.4	Bad Gastein														
		27.7															
36		29.1	Böckstein Sbl Bs 1 Sbl Bs 2 Sbl Bs 3														
		70															
39		29.4															
		60															
		30.1															
		70															
		30.4															
1.44		1.49	100	33.9													
				34.2													
				36.1													
				37.9													
				40.4													

M 4405							– GSM-R – A –			
4	5	6	1	2	3		2a	1a		
			100	40.4	Sbl Bs 3	Mallnitz-Hintertal (in Ma) *Mth* Bstg.a.B.				
				41.9	Sbl Bs 4					
				43.0	GPE					
	1.59		80	43.3						
			75	43.7		Mallnitz-Obervell. (in Ma) *Ma*				
			80	44.6						
	2.01		90	45.9						
				46.0	Km 46.0 = Km 46.9					
	04			48.7	Sbl Ma 1	Penk				
				51.7	Üst Ma 2					
			80	52.6						
			85	52.7						
				54.2	Sbl Ma 3	Kolbnitz				
				55.8	Oberfalkenstein					
	09			57.9	Km 57.9 = Km 58.3					
				58.4						
	13			61.6	Sbl Pk 1	Pusarnitz (in Uz)				
				64.8						
	16			67.1	Sbl Kl 1					
				69.1	Üst Kl 2					
	19			69.4	Mühdorf-Möllbrücke	Pusarnitz-Süd (in Uz)				
			100	72.8						
	2.20			74.0	*Uzs*					

M 4405							– GSM-R – A –			
4	5	6	1	2	3		2a	1a		
			100	74.0	Pusarnitz-Süd (in Uz)	Spittal-Millst.				
		2.20			*Uzs*					
		21		74.4	Abzww Str. 40701 (in Uz)					
				75.0	Km 75.0 = Km 75.1					
				77.7	Sbl Uz 1	Rothenthurn				
				80.8	GPE					
	2.26		70	200.1						
			80	199.4						
			100	198.7	Sbl Stt 1	Paternion-Feistr.				
		41		196.3						
				191.7						
				190.1	Schutzstrecke					
				188.1	AB (Awanst)	Gummern				
				187.2	Sbl Ro 1					
				187.0	Ferndorf					
				185.7	Markt Paternion					
		46		183.2		Gummern				
				178.7	AB (Awanst)					
				177.7	Weißerst.-K.					
				177.5	Sbl Pf 1					
			80	174.5		Gummern				
				174.0	Puch					
		53		172.8						
			90	171.9						
				171.4	AB (Awanst)	Gummern				
				169.2	Sbl Gu 1					
		2.58		166.5	Abzw Gu 2					
			50	165.6	Km 165.6 = Km 0.0					

M 4405							
4	5	6	1	2	3	2a	1a
– GSM-R – A –							
	3.01		50	165.6	Km 165.6 = Km 0.0		
				0.9	Km 0.9 = Km 378.3		
				378.3	V.-Draubücke (in Vb) *Vbd*		
			60	378.5			
			90	378.9			
			100				
3.03	18		95	380.7			100
				381.2	AB (Awanst)		
				381.7	Villach Warmbad		
			100		Villach Warmbad		
23							
				382.7	V.S. Gvbf-Auen (in Vsv) *Vu*		
24							
				384.0	Villach Süd Gvbf (in Vsv) *Vsv*		
3.26							
				386.5	V.S. Gvbf-Ausfgr. (in Vsv) *Va*		
					Fürnitz (in Vsv) *Fn*		
					V.S. Gvbf-Einfgr. (in Vsv) *Ve*		
					Km 1.2 = Km 1.8		

M 4405							
4	5	6	1	2	3	2a	1a
Str. 413 – GSM-R – A –							
Str. 413-18 – GSM-R – A –							
			100	389.3	Neuhaus a.d.Gail (in Vsv)	Km 1.2 = Km 1.8	100
				389.7	Neuhaus a.d.Gail (in Vsv) ← V.S. Gvbf-West (in Vsv) *Vw* →	0.4	
	3.28		100			389.7	
			100	392.1	Pöckau		
				395.0	Arnoldstein		
				400.2	Thörl-Maglarn		
				401.0	– GSM-R – Ende – Staatsgrenze n. Thörl-M.		
3.43							
				88.8	Tarvisio Boscoverde		

# Muster 4406

nP

Muster für nP-Züge mit Bhmax 55%

- BT
- 434 b
- Va-Vu
- Bh = 52%
- 433 b
- Vu-Vf
- Bh = 52%
- 438 a
- Vf-Gu Z2
- Bh = 28%
- 440 a
- Gu Z2-Swa
- Bh = 55%
- 411 a
- Swa-Sb
- Bh = 55%

# M 4406

Vmax = 90 km/h Bhmax = 55% – GSM-R – A –						
4	5	6	1	2	3	2a 1a
		0.00	60	3.7 (in Vsv) *Va*	V.S. Gvbf-Ausfgr.	
				5.5 Km 5.5 = Km 383.6		
			60	Str. 413	Str. 413-14	
		05	382.7	← V.S. Gvbf-Auen (in Vsv) *Vu*	→	90
			90	Villach Warmbad	Villach Warmbad	
				381.2 AB (Awanst)		
			Str. 413-14			
		08	379.1	← V. Westbf (in Vb) *Vf*	→	
			60		V.-Draubücke	
		10	378.3	(in Vb) *Vbd*		
			50	0.9 Km 378.3 = Km 0.9		
				Km 0.0 = Km 165.6		
		0.13	166.5	Abzw Gu 2		
			90	169.0 Sbl Gu 1		
				171.4 AB (Awanst)		

# M 4406

– GSM-R – A –

4	5	6	1	2	3	2a 1a
			90	171.4 AB (Awanst)		
			171.9			
		0.18	80	172.8 Gummern		
				174.0 Puch		
			174.5			
			90	177.4 Sbl Pf 1		
				177.7 Weißentst.-K.		
			178.7	AB (Awanst)		
		26	183.2	Paternion-Feistr.		
			185.7	Markt Paternion		
			187.0	Ferndorf		
			187.1	Sbl Ro 1		
			188.1	AB (Awanst)		
			190.0	Schutzstrecke		
		32	191.7	Rothenthurn		
			196.2	Sbl Stt 1		
			198.4	GPE		
			198.7			
			80			
			199.4			
			70			
			200.1			
			90	Spittal-Millst.		
		54	80.9	Sbl Uz 1		
			77.9	Km 75.1 = Km 75.0		
		59	75.1	Abzw Str. 40701 (in Uz)		
			74.4	Pusarnitz-Süd (in Uz)		
		1.00	74.0	*Uzs*		
			72.8	Pusarnitz (in Uz)		
		1.01				

0.39



M 4406								– GSM-R – A –			
4	5	6	1	2	3	2a	1a				
1.26		1.01	90	72.8	Pusarnitz (in Uz)						
		04		69.4	Mühdorf-Möllbrücke						
				69.1	Üst Kl 2						
		08		67.3	Sbl Kl 1						
				64.8	Kolbnitz						
		14		61.7	Sbl Pk 1						
				58.4	Penk						
				58.3	Km 58.3 = Km 57.9						
				55.8	Oberfalkenstein						
				54.5	Sbl Ma 3						
		20		51.7	Üst Ma 2						
				48.9	Sbl Ma 1						
				46.9	Km 46.9 = Km 46.0						
		32		45.9	Mallnitz-Obervell. (in Ma) *Ma*						
		35	80	45.1	Mallnitz-Nord (in Ma) *Mtn*						
		37		43.3	Mallnitz-Hintertal (in Ma) *Mth* Bstg.a.B.						
			43.2								
		90	42.2	Sbl Bs 4							
			40.7	Sbl Bs 3							
			38.2	Sbl Bs 2							
			36.4	Sbl Bs 1							
	1.44	85	34.2	Böckstein							
			34.1	GPE							
			33.9								
		70									
				31.7							

M 4406								– GSM-R – A –			
4	5	6	1	2	3	2a	1a				
				31.7							
			55								
		1.48	60	30.9	Bad Gastein						
				30.1							
			70	29.4							
				29.1							
		50	70	27.7	Abzw Al 1						
				26.1							
		53	70	25.4	Angertal Bstg.a.B.						
				23.7							
		56	55	22.6	Abzw Hg 1						
				22.4	Hst außer Betrieb						
		59	75	20.8	Bad Hofgastein						
				19.3							
		2.03	90	18.8	Dorfgastein						
				14.3							
				11.8	Sbl Lof 2						
				11.1	GPE						
				10.5							
			80								
		06	80	9.5	Abzw Lof 1						
				9.3							
				7.7							
		2.08	65	7.4	Km 7.4 = Km 7.1						
				6.8	Loif.-Süd (in Lof) *Lsf*						
				6.4							
			70	6.3							

M 4406							– GSM-R – A –			
4	5	6	1	2	3	2a	1a			
2.15	2.10			6.3	Loifarn (in Lof) *Lof* Bstg. a.B.  Sbl Swa 1T PZB 1000 Hz					
				75						
				60	Schwarzach-St.V.					
				70						
				80						
				85						
2.33	26	30		62.2	St.Johann i.P.					
				90						
				85						
				55.8	Mitterberghütten  Sbl Bo 1					
				80						
				70						
				54.8	Bischofshofen Fbf (in Bo) *Bob*					
				70						
				53.2						
				52.5						

M 4406							– GSM-R – A –			
4	5	6	1	2	3	2a	1a			
2.34				52.5	Bischofshofen (in Bo) *Bo*  Km 52.0 = Km 51.7					
				80						
	39			85	Sbl Rf 2 Sbl Rf 1 Pfarwerfen Werfen					
				90						
45				80	Tenneck (Awanst)					
				70						
	49			42.1	Sbl Gg 5  Sulzau Lst Üst Gg 4					
				70						
2.54				40.8	Sbl Gg 3 Üst Gg 2 Sbl Gg 1 AB (Awanst)					
				70						
				37.6	Schutzstrecke Golling-Abt. Sbl HI 5					
				65						
				37.1						
				70						
				34.5						
				31.7						
				31.6						
				31.3						
				31.1						
				28.8						
				26.2						

M 4406							– GSM-R – A –			
4	5	6	1	2	3	2a	1a			
		2.58	90	26.2	Sbl HI 5					
				25.6	Kuchl					
				25.2	Kuchl Lst (Awanst)					
				24.5	Sbl HI 4					
				22.9	Üst HI 3					
				22.4	Kuchl Garnei					
			85	21.7	Sbl HI 2					
				20.9	Bad Vigaun					
				20.1	Sbl HI 1					
				19.4	Hallein Burgfried					
		3.02	90	19.2	Hallein					
				17.8						
				16.0	Oberalm					
				14.9	Sbl Aj 7					
				14.5	Puch bei Hallein					
				13.8	Sbl Aj 6					
				13.2	Puch Urstein					
				12.2	Üst Aj 5					
				10.3	Sbl Aj 2					
				9.0	Eisbethen					
		06		8.7	Sbl Aj 1					
				7.9	Salzburg Süd					
				7.8						
			85	6.9	Salzburg Aigen					
				5.8						
				4.5	Salzburg Parsch					
				3.5	Sb Gnigl-Einfgr. (in Sb) *Sre*					
			90	3.0	Salzburg Gnigl (in Sb)					
		3.13								

M 4406							– GSM-R – A –			
4	5	6	1	2	3	2a	1a			
3.16		3.21	90	3.0	Salzburg Gnigl (in Sb)					
			85	2.5	Salzbg. Gnigl-Vbf (in Sb) *Sr*					
				2.4	GPE					
				2.2	Salzburg Sam (in Sb)					
			60	2.1	Salzbg.-Mitte (in Sb) *Sbm*					
				1.0	Salzburg Hbf (in Sb) *Sb*					
3.27		3.24		0.0						

# Muster 4407

nP

Muster für nP-Züge mit Bmax 55%

- BT 411 a Sb-Swa
- 440 a Swa-Gu Z2
- 438 a Gu Z2-Vf
- 433 b Vf-Ve
- Bh = 53%
- Bh = 55%
- Bh = 37%
- Bh = 53%

M 4407							Vmax = 90 km/h Bhmax = 55% – GSM-R– A –		
4	5	6	1	2	3	2a	1a		
		0.00	60	0.0 (in Sb) *Sb*	Salzburg Hbf				
		03		1.0 *Sbm*	Salzbg.-Mitte (in Sb)				
		05	85	2.1 Salzburg Sam (in Sb)	Salzbg. Gnigl-Vbf				
		07		2.4 (in Sb) *Sr*					
				3.0 Salzburg Gnigl (in Sb)	Sb Gnigl-Einfgr.				
				3.5 (in Sb) *Sre*					
		09	90	3.9	Salzburg Parsch				
				4.5 Salzburg Aigen					
				5.8					
			85	7.7	Salzburg Süd				
				7.9 Sbl Aj 1					
			90	8.6	Elsbethen				
				9.0 Sbl Aj 2					
		0.14		10.1 Üst Aj 5					
				12.2 Puch Urstein					
				13.2 Sbl Aj 6					
				13.3 Puch bei Hallein					
				14.5 Sbl Aj 7					
				14.8 Oberalm					
				16.0					

# M 4407

– GSM-R– A –

4	5	6	1	2	3	2a	1a		
		0.18	90	16.0 Oberalm Hallein					
				17.8 Hallein Burgfried					
				19.4 Sbl HI 1					
				20.0 Bad Vigaun					
				20.9 Sbl HI 2					
				21.1 Kuchl Garnei					
		22		22.4 Üst HI 3					
				22.9 Sbl HI 4					
				24.3 Kuchl Lst (Awanst)					
				25.2 Kuchl					
				25.6 Sbl HI 5					
		26		26.1 PZB 1000 Hz					
				28.0 Golling-Abt.					
				28.8 Schutzstrecke					
				31.0 GPE					
				31.1					
			70	31.3					
				31.6 AB (Awanst)					
		31		31.6 Sbl Gg 1					
				34.5 Üst Gg 2					
				37.0 Sbl Gg 3					
		35		37.0 Üst Gg 4					
				38.6 Sulzau Lst					
				38.7 Sbl Gg 5					
				41.4 Tenneck (Awanst)					
				42.2					
			80	44.2					
		0.41		44.5					
			90	45.2 Werfen					
				46.6 Pfarnerfen					

M 4407							– GSM-R – A –		
4	5	6	1	2	3	2a	1a		
0.58	1.08	1.15	90	46.6	Pfarrwerfen	0.46	47		
				47.7	Sbl Rf 1				
				49.6	Sbl Rf 2				
			51.2						
			80	51.7	Km 51.7 = Km 52.0				
			52.3	Bischofshofen (in Bo) *Bo*					
			53.2	Bischofshofen Fbf (in Bo) *Bob*					
			54.8						
			70	54.9	Sbl Bo 1				
				55.3	Mitterberghütten				
	55.4								
	80								
	85								
	85	Üst Bo 2							
	56.9	Sbl Bo 3							
	59.0	St.Johann i.P.							
	61.3								
	62.9	Sbl Jp 1							
	64.1	Sbl Jp 2							
	64.4								
	70								
	0.0	Schwarzach-St.V.							
	60								
	0.7								
	1.7	Sbl Swa 1T							
	90	Loifarn (in Lof)							
		*Lof* Bstg.a.B.							
		5.4							

M 4407								– GSM-R – A –			
4	5	6	1	2	3	2a	1a				
1.15		1.15	90	5.4	Loifarn (in Lof) *Lof* Bstg.a.B.	1.15					
				6.4	GPE						
			70	6.5	Loif.-Süd (in Lof) *Lsf*						
				6.8	Km 7.1 = Km 7.4						
				7.1							
			80	7.7							
				9.3	Abzw Lof 1						
			90	9.5							
				11.7	Sbl Lof 2						
				14.3	Dorfgastein						
25		25		17.9	GPE	25					
				19.3	Bad Hofgastein						
				22.4	Hst außer Betrieb						
				22.6	Abzw Hg 1						
			70								
				25.2	Angertal Bstg.a.B.						
			80	25.4							
				27.7	Abzw Al 1						
			70	29.1							
				29.4	Bad Gastein						
37		37	60	30.1		37					
				30.4							
			70								
				33.9	Böckstein						
				34.2							
				36.1	Sbl Bs 1						
				37.9	Sbl Bs 2						
				40.4	Sbl Bs 3						

1.42		1.47	90	34.2	Böckstein	1.47	
				36.1	Sbl Bs 1		
				37.9	Sbl Bs 2		
				40.4	Sbl Bs 3		

M 4407								– GSM-R – A –			
4	5	6	1	2	3	2a	1a				
		1.57	90	40.4	Sbl Bs 3						
				41.9	Sbl Bs 4						
				43.0	GPE						
			43.3	Mallnitz-Hintertal (in Ma) *Mth* Bstg.a.B.							
			80	43.7							
			70	44.6							
			75	45.9					Mallnitz-Obervell. (in Ma) *Ma*		
			59	46.0					Km 46.0 = Km 46.9		
			2.03	48.7					Sbl Ma 1		
				51.7					Üst Ma 2		
52.6											
70											
75											
	09		54.2	Sbl Ma 3							
			55.8	Oberfalkenstein							
			57.9	Km 57.9 = Km 58.3							
			58.4	Penk							
			61.6	Sbl Pk 1							
			64.8	Kolbnitz							
			67.1	Sbl Kl 1							
			69.1	Üst Kl 2							
			69.4	Mühdorf-Möllbrücke							
			72.8	Pusarnitz (in Uz)							
90	Pusarnitz-Süd (in Uz)										
74.0	*Uzs*										
22	74.4	Abzww Str. 40701 (in Uz)									
	2.22										

M 4407							– GSM-R – A –		
4	5	6	1	2	3	2a	1a		
2.28		2.22	90	74.4	Abzww Str. 40701 (in Uz)				
				75.0	Km 75.0 = Km 75.1				
				77.7	Sbl Uz 1				
				80.8	GPE				
				70	200.1			Spittal-Millst.	
				80	199.4			Rothenthurn	
				90	198.7				
			41	196.3	Sbl Stt 1				
				191.7	Schutzstrecke				
				188.1	AB (Awanst)				
		47		187.2	Sbl Ro 1				
				187.0	Ferndorf				
				185.7	Markt Paternion				
			55	183.2	Paternion-Feistr.				
				178.7	AB (Awanst)				
				177.7	Weissenst.-K.				
				177.5	Sbl Pf 1				
				174.5	Gummern				
			80	Puch					
			174.0						
	90	172.8	AB (Awanst)						
	3.00		90	171.4	Sbl Gu 1				
				169.2	Abzw Gu 2				
				166.5	Km 165.6 = Km 0.0				
			50	165.6	Km 0.9 = Km 378.3				
					0.9				

M 4407							
– GSM-R – A –							
4	5	6	1	2	3	2a	1a
	3.03		50	0.9	Km 0.9 = Km 378.3 V.-Draubrücke (in Vb) *Vbd*		
				378.3			
				378.5			
				60			
				378.9			
	05		90	379.1	Str. 413 V. Westbf (in Vb) → *Vf*	Str. 413-14	379.1
				381.2			
				381.7			
				AB (Awanst) Villach Warmbad			
					Villach Warmbad	Str. 413-19	381.7
	09			382.7	→ (in Vsv) *Vu*	V.S. Gvbf-Auen →	382.7
		10		384.0	(in Vsv) *Vsv*	Villach Süd Gvbf	Km 383.6 = Km 5.5
						V.S. Gvbf-Ausfrg.	3.7
					(in Vsv) *Va*		
3.17		3.12		386.5	Str. 413-17 Fürnitz (in Vsv) *Fn*		
				387.3			
				2.3			
					→ (in Vsv) *Ve*	V.S. Gvbf-Einfgr. →	2.3

# Muster 4408<sub>nP</sub>

Muster für nP-Züge mit Bhmax 64%

BT 433 b Va-Vf Bh = 52%  
438 a Vf-Gu Z2 Bh = 28%  
441 a Gu Z2-Swa Bh = 64%  
409 a Swa-Sb Bh = 64%

M 4408							
Vmax = 100 km/h Bhmax = 64% – GSM-R – A –							
4	5	6	1	2	3	2a	1a
		0.00	90	V.S. Gvbf-Ausfr. (in Vsv) *Va*			
				3.7	Km 5.5 = Km 383.6	382.7	90
				5.5			
				Str. 413 ← V.S. Gvbf-Auen → (in Vsv) *Vu*			
		05	90	Villach Warmbad			
				381.7	Villach Warmbad	381.7	
				381.2			
				Str. 413-14 ← V. Westbf (in Vb) → *Vf*			
		08		379.1	V.-Draubrücke (in Vb) *Vbd*		
				60			
				378.3			
			50	0.9	Km 378.3 = Km 0.9	Km 0.0 = Km 165.6	
	13	90	166.5	Abzw Gu 2			
			169.0	Sbl Gu 1			
			171.4	AB (Awanst)			
		80	171.9	Gummern	172.8		
		0.18					

M 4408								– GSM-R – A –			
4	5	6	1	2	3	2a	1a				
0.38		0.18	80	172.8	Gummern						
				174.0							
			174.5	Puch							
			100	177.4				Sbl Pf 1			
		25		177.7				Weißenst.-K.			
				178.7				AB (Awanst)			
				183.2				Paternion-Feistr.			
				185.7				Markt Paternion			
		31		187.0				Ferndorf			
				187.1				Sbl Ro 1			
188.1	AB (Awanst)										
190.0	Schutzstrecke										
			80	191.7	Rothenthurn						
				196.2				Sbl Stt 1			
				198.4				GPE			
				198.7							
			70	199.4							
				200.1							
				100				80.9	Spittal-Millst.		
				77.9				Sbl Uz 1			
		53		75.1				Km 75.1 = Km 75.0			
				74.4				Abzww Str. 40701 (in Uz)			
74.0	Pusarnitz-Süd (in Uz)										
	*Uzs*										
58		72.8	Pusarnitz (in Uz)								
		69.4	Mühdorf-Möllbrücke								
		69.1	Üst Kl 2								
		67.3	Sbl Kl 1								

M 4408							– GSM-R – A –			
4	5	6	1	2	3	2a	1a			
1.24		1.06	100	67.3	Sbl Kl 1					
				64.8	Kolbnitz					
				61.7	Sbl Pk 1					
				58.4	Penk					
		12		58.3	Km 58.3 = Km 57.9					
				55.8	Oberfalkenstein					
				54.5	Sbl Ma 3					
				51.7	Üst Ma 2					
		18		48.9	Sbl Ma 1					
				46.9	Km 46.9 = Km 46.0					
		30	45.9	Mallnitz-Obervell.						
				(in Ma) *Ma*						
				80	Mallnitz-Nord (in Ma)					
				45.1	*Mtn*					
		33		43.3	Mallnitz-Hintertal					
				(in Ma) *Mth* Bstg.a.B.						
				43.2						
				100	Sbl Bs 4					
		41		42.2	Sbl Bs 3					
				40.7	Sbl Bs 2					
			95	38.2	Sbl Bs 1					
				36.4	Böckstein					
				34.2	GPE					
				34.1						
			70	33.9						
				31.7						
				65						
				30.4	Bad Gastein					
		1.45		30.1						
				29.4						



M 4408								– GSM-R – A –			
4	5	6	1	2	3	2a	1a				
				29.4							
			70	29.1							
	1.48		70	27.7	Abzw Al 1						
		50	70	26.1	Angertal Bstg.a.B.						
				25.4							
	53		60	23.7	Abzw Hg 1						
				22.6	Hst außer Betrieb						
				22.4							
	56		85	20.8	Bad Hofgastein						
				19.3							
			90	18.8							
				18.2	Dorfgastein						
	59		100	14.3							
				11.8	Sbl Lof 2						
				11.1	GPE						
			90	10.8							
				9.5							
	2.03		80	9.3	Abzw Lof 1						
				7.7							
			70	7.4	Km 7.4 = Km 7.1						
	05			6.8	Loif.-Süd (in Lof) *Lsf*						
				6.3							
	2.06		85		Loifarn (in Lof)						
				5.4	*Lof* Bstg.a.B.						
				2.4	Sbl Swa 1T						
				1.4	PZB 1000 Hz						
				0.7							

M 4408								– GSM-R – A –			
4	5	6	1	2	3	2a	1a				
2.11	2.16			0.7							
			60	66.5	Schwarzach-St.V.						
			70	64.4							
			85	64.3	Sbl Jp 2						
				63.1	Sbl Jp 1						
		22	90	61.3	St.Johann i.P.						
				59.2	Sbl Bo 3						
		25		56.9	Üst Bo 2						
				56.8							
				85							
	28		70	55.4							
				55.3	Mitterberghütten						
				55.1	Sbl Bo 1						
			54.8								
			75	53.2	Bischofshofen Fbf (in Bo) *Bob*						
		29		52.5	Bischofshofen (in Bo)						
			80	52.3	*Bo*						
				52.0	Km 52.0 = Km 51.7						
				51.2							
				50.2	Sbl Rf 2						
2.34			47.8	Sbl Rf 1							
			46.6	Pfarwerfen							
			45.2	Werfen							
			44.5								
			80								
				44.2							

M 4408							– GSM-R – A –			
4	5	6	1	2	3	2a	1a			
2.40			70	44.2						
				42.2	Tenneck (Awanst)					
				41.5	Sbl Gg 5					
				38.7	Sulzau Lst					
				38.6	Üst Gg 4					
				37.1	Sbl Gg 3					
				34.5	Üst Gg 2					
				31.7	Sbl Gg 1					
				31.6	AB (Awanst)					
				31.3						
44			90	31.1	Schutzstrecke					
				28.8	Golling-Abt.					
				26.2	Sbl HI 5					
				25.6	Kuchl					
				25.2	Kuchl Lst (Awanst)					
53				24.5	Sbl HI 4					
				22.9	Üst HI 3					
				22.4	Kuchl Garnei					
				21.7	Sbl HI 2					
				20.9	Bad Vigaun					
57				20.1	Sbl HI 1					
				19.4	Hallein Burgfried					
				17.8	Hallein					
				16.0	Oberalm					
				14.9	Sbl Aj 7					
3.01				14.5	Puch bei Hallein					
				13.8	Sbl Aj 6					
				13.2	Puch Urstein					
				12.2	Üst Aj 5					
				10.3	Sbl Aj 2					

M 4408								– GSM-R – A –			
4	5	6	1	2	3	2a	1a				
3.11		3.06	90	10.3	Sbl Aj 2						
				9.0	Elsbethen						
				8.7	Sbl Aj 1						
				7.9	Salzburg Süd						
				5.8	Salzburg Aigen						
			08	4.5	Salzburg Parsch						
				3.5	Sb Gnigl-Einfgr. (in Sb) *Sre*						
				3.0	Salzburg Gnigl (in Sb)						
				2.4	Salzbg. Gnigl-Vbf (in Sb) *Sr*						
				2.2	GPE						
3.22		3.20	60	2.1	Salzburg Sam (in Sb)						
				1.0	Salzbg.-Mitte (in Sb) *Sbm*						
				0.0	Salzburg Hbf (in Sb) *Sb*						

# Muster 4409

nP

Muster für nP-Züge mit Bhmax 65%

- BT 409 b Sb-Swa Bh = 62%
- 441 a Swa-Gu Z2 Bh = 65%
- 438 a Gu Z2-Vf Bh = 65%
- 432 b Vf-Ve Bh = 65%

## M 4409

Vmax = 100 km/h Bhmax = 65% – GSM-R – A –							
4	5	6	1	2	3	2a 1a	
M 4409		0.00	60	0.0 (in Sb) *Sb*	Salzburg Hbf		
				1.0 *Sbm*	Salzbg.-Mitte (in Sb)		
				90	2.1		Salzburg Sam (in Sb)
			06		2.4 (in Sb) *Sr*		Salzbg. Gnigl-Vbf
					3.0		Salzburg Gnigl (in Sb)
				08	3.5 (in Sb) *Sre*		Sb Gnigl-Einfgr.
			10		4.5		Salzburg Parsch
					5.8		Salzburg Aigen
				14	7.9		Salzburg Süd
			8.6		Sbl Aj 1		
9.0	Elsbethen						
		0.04	14	10.1	Sbl Aj 2		
				12.2	Üst Aj 5		
				13.2	Puch Urstein		
				13.3	Sbl Aj 6		
				14.5	Puch bei Hallein		
				14.8	Sbl Aj 7		
				16.0	Oberalm		
				17.8	Hallein		
				19.4	Hallein Burgfried		
					0.18		

## M 4409

– GSM-R – A –						
4	5	6	1	2	3	2a 1a
M 4409		0.22	90	19.4	Hallein Burgfried	
				20.0	Sbl HI 1	
				20.9	Bad Vigaun	
				21.1	Sbl HI 2	
				22.4	Kuchl Garnei	
				22.9	Üst HI 3	
				24.3	Sbl HI 4	
				25.2	Kuchl Lst (Awanst)	
				25.6	Kuchl	
				26.1	Sbl HI 5	
		26	70	28.0	PZB 1000 Hz	
				28.8	Golling-Abt.	
				31.0	Schutzstrecke	
				31.1	GPE	
				31.3		
				31.6	AB (Awanst)	
				31.6	Sbl Gg 1	
				34.5	Üst Gg 2	
				37.0	Sbl Gg 3	
				38.6	Üst Gg 4	
		31	80	38.7	Sulzau Lst	
				41.4	Sbl Gg 5	
				42.2	Tenneck (Awanst)	
				44.2		
				44.5	Werfen	
				45.2		
				46.6	Pfarrwerfen	
				47.7	Sbl Rf 1	
				49.6	Sbl Rf 2	
		35	90	0.41		

M 4409							– GSM-R – A –		
4	5	6	1	2	3	2a	1a		
1.00		0.46	90	49.6 51.2	Sbl Rf 2				
			80	51.7	Km 51.7 = Km 52.0				
				52.3	Bischofshofen (in Bo) *Bo*				
				53.2	Bischofshofen Fbf (in Bo) *Bob*				
		47	54.8						
			70	54.9	Sbl Bo 1				
				55.3	Mitterberghütten				
				55.4					
		50	85						
			90	56.8	Üst Bo 2				
		1.17		56.9					
				59.0	Sbl Bo 3				
			54	61.3	St.Johann i.P.				
				62.9	Sbl Jp 1				
				64.1	Sbl Jp 2				
				64.4					
		1.10	70	0.0	Schwarzach-St.V.				
			60						
			90	0.7					
				1.7	Sbl Swa 1T				
			100	2.6					
					Loifarn (in Lof)				
		1.17		5.4	*Lof* Bstg.a.B.				
				6.4	GPE				
				6.5					

M 4409								– GSM-R – A –		
4	5	6	1	2	3	2a	1a			
		1.18		6.5	Loif.-Süd (in Lof) *Lsf* Km 7.1 = Km 7.4					
			70	6.8						
			80	7.1						
				7.7						
		20	9.3	Abzw Lof 1						
			9.5							
			10.8							
			100	11.7	Sbl Lof 2					
		24	14.3	Dorfgastein						
			17.9	GPE						
		27	18.2	Bad Hofgastein Hst außer Betrieb Abzw Hg 1						
			19.3							
		30	22.4							
			22.6							
			70							
			25.2							
		33	80	25.4			Angertal Bstg.a.B. Abzw Al 1			
			36	27.7						
				29.1						
			70							
39	29.4									
	60	30.1	Bad Gastein							
	30.4									
		70								
		1.50		33.9	Böckstein Sbl Bs 1 Sbl Bs 2 Sbl Bs 3					
				34.2						
			36.1							
			37.9							
			40.4							

M 4409							– GSM-R – A –		
4	5	6	1	2	3	2a	1a		
			100	40.4	Sbl Bs 3				
				41.9	Sbl Bs 4				
				43.0	GPE				
		2.00		43.3	Mallnitz-Hintertal (in Ma) *Mth* Bstg.a.B.				
			80	43.7					
			75	44.6					
			80						
		02		45.9	Mallnitz-Obervell. (in Ma) *Ma*				
			90	46.0	Km 46.0 = Km 46.9				
		05		48.7	Sbl Ma 1				
				51.7	Üst Ma 2				
			80	52.6					
				52.7					
			85	54.2	Sbl Ma 3				
				55.8	Oberfalkenstein				
		10		57.9	Km 57.9 = Km 58.3				
				58.4	Penk				
		14		61.6	Sbl Pk 1				
				64.8	Kolbnitz				
		17		67.1	Sbl Kl 1				
				69.1	Üst Kl 2				
				69.4	Mühdorf-Möllbrücke				
		20		72.8	Pusarnitz (in Uz)				
			100		Pusarnitz-Süd (in Uz)				
		2.21		74.0	*Uzs*				

M 4409								– GSM-R – A –			
4	5	6	1	2	3	2a	1a				
2.27		2.21	100	74.0	Pusarnitz-Süd (in Uz) *Uzs*						
				74.4	Abzww Str. 40701 (in Uz)						
				75.0	Km 75.0 = Km 75.1						
				77.7	Sbl Uz 1						
				80.8	GPE						
		33		200.1	Spittal-Millst.						
			70								
				199.4							
			80								
				198.7							
		42	100	196.3	Sbl Stt 1						
				191.7	Rothenthurn						
				190.1	Schutzstrecke						
				188.1	AB (Awanst)						
				187.2	Sbl Ro 1						
		47		187.0	Ferndorf						
				185.7	Markt Paternion						
				183.2	Paternion-Feistr.						
				178.7	AB (Awanst)						
				177.7	Weißent.-K.						
		54		177.5	Sbl Pf 1						
				174.5							
			80	174.0	Puch						
				172.8	Gummern						
				171.9							
		2.59		90	171.4	AB (Awanst)					
					169.2	Sbl Gu 1					
				166.5	Abzw Gu 2						
			50	165.6	Km 165.6 = Km 0.0						

M 4409							– GSM-R – A –		
4	5	6	1	2	3	2a	1a		
	3.02		50	165.6	Km 165.6 = Km 0.0	Str. 413-14	100		
				0.9	Km 0.9 = Km 378.3				
				378.3	V-Draubücke (in Vb) *Vbd*				
			60	378.5					
				378.9					
	04		90			Str. 413-19	381.7	100	
				379.1	V. Westbf (in Vb) → *Vf*				
			100	380.7					
			95	381.2	AB (Awanst)				
			100	381.7	Villach Warmbad				
	08			382.7	V.S. Gvbf-Auen → (in Vsv) *Vu*	Str. 413-19	382.7		
					Km 383.6 = Km 5.5				
					Villach Süd Gvbf (in Vsv) *Vsv*				
					V.S. Gvbf-Ausfgr. (in Vsv) *Va*				
	09			384.0		Str. 413-17	3.7		
					Fürnitz (in Vsv) *Fn*				
					Km 387.3 = Km 0.0				
					V.S. Gvbf-Einfgr. → (in Vsv) *Ve*				
3.16				2.3			2.3		

M 4409						Str. 413-17 – <u>GSM-R– A</u> –				– <u>GSM-R– A</u> –	
4	5	6	1	2	3	2a	1a				
3.16			100	2.3	← <b>V.S. Gvbf-Einfgr.</b> → (in Vsv) *Ve*	2.3	100				

# Muster 4410<sub>nP</sub>

Muster für nP-Züge mit Bhmax 55%

- BT 440 a Js-Vf Bh = 52%
- 438 a Vf-Gu Z2 Bh = 28%
- 440 a Gu Z2-Swa Bh = 55%
- 411 a Swa-Sb Bh = 55%

M 4410								Vmax = 90 km/h Bhmax = 55%		
4	5	6	1	2	3	2a	1a			
0.00			35	630.2	Jesenice					
				631.3						
			50	637.3						
			80							
				53.6						
			70	49.4						
			60	22.6						
			70	22.1						
19				19.8	Rosenbach					
				19.5						
				17.7						
			65							
			70	17.2						
			90	16.6						
				16.0						
			85	12.5						
				12.3						
0.29			80	10.7	Faak am See					
				7.1						

# M 4410

– GSM-R – A –										
4	5	6	1	2	3	2a	1a			
M 4410					Finkenstein					
			70	7.1						
				7.0						
			80	5.8						
				5.4						
			Gödersdorf (in Vsv)							
			Str. 222 Str. 413-16							
			V.S. Gvbf-Ost →							
			(in Vsv) *Vo*							
			Km 3.9 = Km 383.1							
0.34			80	5.1	Km 2.5 = Km 385.9		80			
				3.9						
			383.1							
			90							
			Str. 413-17							
			Fürnitz (in Vsv) *Fn*							
			Km 387.3 = Km 0.0							
			Str. 413-15							
			V.S. Gvbf-Einfgr. (in Vsv) *Ve*							
			Str. 413-19							
			V.S. Gvbf-Ausfgr. (in Vsv) *Va*							
			Km 5.5 = Km 383.6							
			Str. 413 Str. 413-14							
			V.S. Gvbf-Auen →							
36				382.7	Km 5.5 = Km 383.6					
			Villach Warmbad							
			Villach Warmbad							
			AB (Awanst)							
			Str. 413-14							
			V. Westbf (in Vb) →							
0.40				379.1	*Vf*		379.1			

M 4410				Str. 413-14 – GSM-R – A –		– GSM-R – A –	
4	5	6	1	2	3	2a	1a
0.40		0.45		379.1	V. Westbf *Vf* ←————→	379.1	90
			60		V.-Draubücke (in Vb) *Vbd*  Km 378.3 = Km 0.9 Km 0.0 = Km 165.6 Abzw Gu 2 Sbl Gu 1 AB (Awanst)  Gummern  Puch  Sbl Pf 1 Weissenst.-K. AB (Awanst)  Paternion-Feistr.  Markt Paternion Ferndorf Sbl Ro 1 AB (Awanst) Schutzstrecke Rothenthurn  Sbl Stt 1 GPE		
			48	378.3			
			50	0.9			
			51	166.5			
			90	169.0			
				171.4			
				171.9			
			56	80			
				172.8			
				174.0			
				174.5			
				90			
				177.4			
				177.7			
			1.03				
		183.2					
		185.7					
		187.0					
		187.1					
		188.1					
		190.0					
1.09		191.7					
		196.2					
		198.4					
		198.7					
		80					
			199.4				

M 4410				– GSM-R – A –			
4	5	6	1	2	3	2a	1a
1.17		1.27		199.4			
			70				
				200.1			
			90	80.9	Spittal-Millst.		
				77.9	Sbl Uz 1		
				75.1	Km 75.1 = Km 75.0		
		32		74.4	Abzww Str. 40701 (in Uz)		
		33		74.0	Pusarnitz-Süd (in Uz) *Uzs*		
		34		72.8	Pusarnitz (in Uz)		
				69.4	Mühldorf-Möllbrücke		
		37		69.1	Üst Kl 2		
				67.3	Sbl Kl 1		
		41		64.8	Kolbnitz		
				61.7	Sbl Pk 1		
		47		58.4	Penk		
				58.3	Km 58.3 = Km 57.9		
				55.8	Oberfalkenstein		
				54.5	Sbl Ma 3		
		53		51.7	Üst Ma 2		
				48.9	Sbl Ma 1		
				46.9	Km 46.9 = Km 46.0		
1.59		2.04		45.9	Mallnitz-Obervell. (in Ma) *Ma*		
			80				
		06		45.1	Mallnitz-Nord (in Ma) *Mtn*		
		2.09		43.3	Mallnitz-Hintertal (in Ma) *Mth* Bstg.a.B.		
				43.2			
			90	42.2	Sbl Bs 4		



M 4410							– GSM-R – A –			
4	5	6	1	2	3		2a	1a		
			90	42.2	Sbl Bs 4					
				40.7	Sbl Bs 3					
				38.2	Sbl Bs 2					
		2.15	85	36.4	Sbl Bs 1					
				34.2	<b>Böckstein</b>					
				34.1	GPE					
			70	33.9						
				31.7						
			55	30.9	<b>Bad Gastein</b>					
		19	60	30.1						
			70	29.4						
				29.1						
		22	70	27.7	Abzw Al 1					
				26.1						
		24	70	25.4	<b>Angertal</b> Bstg.a.B.					
				23.7						
		27	55	22.6	Abzw Hg 1					
				22.4	Hst außer Betrieb					
				20.8						
		31	75	19.3	<b>Bad Hofgastein</b>					
				18.8						
		2.34	90	14.3	<b>Dorfgastein</b>					
				11.8	Sbl Lof 2					
				11.1	GPE					
				10.5						
			80							
				9.5						

M 4410							– GSM-R – A –			
4	5	6	1	2	3		2a	1a		
				9.5						
		2.38	80	9.3	Abzw Lof 1					
				7.7						
		40	65	7.4	Km 7.4 = Km 7.1					
				6.8	<b>Loif.-Süd</b> (in Lof) *Lsf*					
				6.4						
			70							
				6.3						
		41	75	5.4	<b>Loifarn</b> (in Lof)					
					*Lof* Bstg.a.B.					
				2.4	Sbl Swa 1T					
				1.4	PZB 1000 Hz					
				0.7						
			60							
		2.47	70	66.5	<b>Schwarzach-St.V.</b>					
				64.4						
			80	64.3	Sbl Jp 2					
				63.1	Sbl Jp 1					
			85							
				62.2						
		3.03	90	61.3	<b>St.Johann i.P.</b>					
				60.0						
			85	59.2	Sbl Bo 3					
		3.07		56.9	Üst Bo 2					
				56.8						
			85							
				55.8						
			80							
				55.4						

M 4410							– GSM-R – A –			
4	5	6	1	2	3	2a	1a			
				55.4						
			70	55.3	Mitterberghütten					
				55.1	Sbl Bo 1					
			70	54.8	Bischofshofen Fbf					
		3.10		53.2	(in Bo) *Bob*					
			80	52.5	Bischofshofen (in Bo)					
		11		52.3	*Bo*					
				52.0	Km 52.0 = Km 51.7					
			85	51.2						
			90	50.5						
				50.2	Sbl Rf 2					
				47.8	Sbl Rf 1					
				46.6	Pfarrwerfen					
		16		45.2	Werfen					
			80	44.5						
			70	44.2						
				42.2	Tenneck (Awanst)					
			70	42.1						
				41.5	Sbl Gg 5					
			70	40.8						
				38.7	Sulzau Lst					
		22		38.6	Üst Gg 4					
			65	37.6						
			70	37.1	Sbl Gg 3					
		3.26		34.5	Üst Gg 2					

M 4410							– GSM-R – A –			
4	5	6	1	2	3	2a	1a			
			70	34.5	Üst Gg 2					
				31.7	Sbl Gg 1					
				31.6	AB (Awanst)					
			90	31.3						
				31.1	Schutzstrecke					
		31		28.8	Golling-Abt.					
				26.2	Sbl HI 5					
				25.6	Kuchl					
				25.2	Kuchl Lst (Awanst)					
				24.5	Sbl HI 4					
		35		22.9	Üst HI 3					
				22.4	Kuchl Garnei					
				21.7	Sbl HI 2					
				20.9	Bad Vigaun					
			85	20.1	Sbl HI 1					
				19.4	Hallein Burgfried					
			90	19.2	Hallein					
		39		17.8						
				16.0	Oberalm					
				14.9	Sbl Aj 7					
				14.5	Puch bei Hallein					
				13.8	Sbl Aj 6					
				13.2	Puch Urstein					
		3.43		12.2	Üst Aj 5					
				10.3	Sbl Aj 2					
				9.0	Elsbethen					
				8.7	Sbl Aj 1					
				7.9	Salzburg Süd					
				7.8						

M 4410								– GSM-R – A –			
4	5	6	1	2	3	2a	1a				
				7.8							
			85								
				6.9							
		3.48	90	5.8	Salzburg Aigen						
				4.5	Salzburg Parsch						
		50		3.5	Sb Gnigl-Einfgr. (in Sb) *Sre*						
				3.0	Salzburg Gnigl (in Sb)						
			85	2.5							
				2.4	Salzbg. Gnigl-Vbf (in Sb) *Sr*						
				2.2	GPE						
				2.1	Salzburg Sam (in Sb)						
			60		Salzbg.-Mitte (in Sb) *Sbm*						
		3.58		1.0							
				0.0	Salzburg Hbf (in Sb) *Sb*						

# Muster 4411<sup>nP</sup>

Muster für nP-Züge mit Bhmax 55%

- BT 411 a Sb-Swa Bh = 53%  
440 a Swa-Gu Z2 Bh = 55%  
438 a Gu Z2-Vf Bh = 51%  
440 a Vf-Js Bh = 53%

M 4411							Vmax = 90 km/h Bhmax = 55% – GSM-R – A –		
4	5	6	1	2	3	2a	1a		
			60	0.0	Salzburg Hbf (in Sb) *Sb*				
		0.00		1.0	Salzbg.-Mitte (in Sb) *Sbm*				
		03		2.1	Salzburg Sam (in Sb)				
			85	2.4	Salzbg. Gnigl-Vbf (in Sb) *Sr*				
		05		3.0	Salzburg Gnigl (in Sb)				
				3.5	Sb Gnigl-Einfgr. (in Sb) *Sre*				
		07		3.9					
			90	4.5	Salzburg Parsch				
		09		5.8	Salzburg Aigen				
				7.7					
			85	7.9	Salzburg Süd				
				8.6	Sbl Aj 1				
			90	9.0	Eisbethen				
				10.1	Sbl Aj 2				
		0.13		12.2	Üst Aj 5				
				13.2	Puch Urstein				
				13.3	Sbl Aj 6				
				14.5	Puch bei Hallein				
				14.8	Sbl Aj 7				
				16.0	Oberalm				

M 4411							– GSM-R – A –			
4	5	6	1	2	3	2a	1a			
		0.17	90	16.0	Oberalm					
				17.8	Hallein					
				19.4	Hallein Burgfried					
				20.0	Sbl HI 1					
				20.9	Bad Vigaun					
				21.1	Sbl HI 2					
				22.4	Kuchl Garnei					
				22.9	Üst HI 3					
				24.3	Sbl HI 4					
				25.2	Kuchl Lst (Awanst)					
				25.6	Kuchl					
				26.1	Sbl HI 5					
				28.0	PZB 1000 Hz					
				28.8	Golling-Abt.					
				31.0	Schutzstrecke					
31.1	GPE									
		21	70	31.3						
				31.6	AB (Awanst)					
				31.6	Sbl Gg 1					
				34.5	Üst Gg 2					
				37.0	Sbl Gg 3					
				38.6	Üst Gg 4					
				38.7	Sulzau Lst					
				41.4	Sbl Gg 5					
				42.2	Tenneck (Awanst)					
				44.2						
				44.5	Werfen					
				45.2						
				46.6	Pfarrwerfen					
								0.40	90	

M 4411							– GSM-R – A –			
4	5	6	1	2	3	2a	1a			
0.57	1.07	1.14	90	46.6	Pfarrwerfen					
				47.7	Sbl Rf 1					
				49.6	Sbl Rf 2					
			80	51.2						
				51.7	Km 51.7 = Km 52.0					
				52.3	Bischofshofen (in Bo) *Bo*					
			70	53.2	Bischofshofen Fbf (in Bo) *Bob*					
				54.8						
				54.9	Sbl Bo 1					
			80	55.3	Mitterberghütten					
				55.4						
			85	56.6						
				56.8						
				56.9	Üst Bo 2					
			90	59.0	Sbl Bo 3					
				61.3	St.Johann i.P.					
62.9	Sbl Jp 1									
64.1	Sbl Jp 2									
70	64.4									
	0.0	Schwarzach-St.V.								
	0.7									
90	1.7	Sbl Swa 1T								
		Loifarn (in Lof)								
	5.4	*Lof* Bstg.a.B.								

M 4411								– GSM-R – A –			
4	5	6	1	2	3	2a	1a				
1.41		1.14	90	5.4	Loifarn (in Lof) *Lof* Bstg.a.B.						
				6.4	GPE						
			70	6.5	Loif.-Süd (in Lof) *Lsf*						
		15		6.8	Km 7.1 = Km 7.4						
				7.1							
		17		7.7							
			80	9.3	Abzw Lof 1						
		21		9.5							
			90	11.7	Sbl Lof 2						
		24		14.3	Dorfgastein						
	17.9		GPE								
27		19.3	Bad Hofgastein								
		22.4	Hst außer Betrieb								
30		22.6	Abzw Hg 1								
		70									
		80	25.2	Angertal Bstg.a.B.							
	33		25.4								
36			27.7	Abzw Al 1							
		70	29.1								
			29.4								
		60	30.1	Bad Gastein							
1.46		70	30.4								
			33.9								
	90	34.2	Böckstein								
		36.1	Sbl Bs 1								
			37.9	Sbl Bs 2							
			40.4	Sbl Bs 3							

M 4411								– GSM-R – A –			
4	5	6	1	2	3	2a	1a				
		1.56	90	40.4	Sbl Bs 3						
				41.9	Sbl Bs 4						
				43.0	GPE						
			43.3	Mallnitz-Hintertal (in Ma) *Mth* Bstg.a.B.							
			80	43.7							
			70	44.6	Mallnitz-Obervell. (in Ma) *Ma*						
			75	45.9	Km 46.0 = Km 46.9						
			58	48.7	Sbl Ma 1						
			2.02	51.7	Üst Ma 2						
				52.6							
		08	70	52.7							
				54.2	Sbl Ma 3						
				55.8	Oberfalkenstein						
			57.9	Km 57.9 = Km 58.3							
			58.4	Penk							
			61.6	Sbl Pk 1							
			64.8	Kolbnitz							
			67.1	Sbl Kl 1							
			69.1	Üst Kl 2							
			69.4	Mühdorf-Möllbrücke							
20		72.8	Pusarnitz (in Uz)								
			Pusarnitz-Süd (in Uz)								
			*Uzs*								
21	74.0										
2.21	74.4	Abzww Str. 40701 (in Uz)									

M 4411							– GSM-R – A –		
4	5	6	1	2	3	2a	1a		
2.27		2.21	90	74.4	Abzww Str. 40701 (in Uz)				
				75.0	Km 75.0 = Km 75.1				
				77.7	Sbl Uz 1				
				80.8	GPE				
		32	70	200.1	Spittal-Millst.				
		40	80	199.4					
				198.7					
				196.3	Sbl Stt 1				
				191.7	Rothenthurn				
				190.1	Schutzstrecke				
188.1	AB (Awanst)								
		46	90	187.2	Sbl Ro 1				
				187.0	Ferndorf				
				185.7	Markt Paternion				
				183.2	Paternion-Feistr.				
				178.7	AB (Awanst)				
				177.7	Weissenst.-K.				
				177.5	Sbl Pf 1				
				174.5					
				80	174.0				Puch
				54	172.8				Gummern
2.59		90	171.4	AB (Awanst)					
			169.2	Sbl Gu 1					
			166.5	Abzw Gu 2					
			165.6	Km 165.6 = Km 0.0					
		50		Km 0.9 = Km 378.3					
			0.9						

M 4411						– GSM-R – A –			
4	5	6	1	2	3	2a	1a		
		3.02	50	0.9	Km 0.9 = Km 378.3				
				378.3	V.-Draubücke (in Vb) *Vbd*				
			60	378.5					
				378.9					
3.04		14	90	379.1	Str. 413 V. Westbf (in Vb) → *Vf*				90
				381.2	AB (Awanst)				
				381.7	Villach Warmbad				
					Villach Warmbad				
					Str. 222 V.S. Gvbf-Auen → (in Vsv) *Vu*				
		3.19		382.7	(in Vsv) *Vu*				
				383.1	Km 383.1 = Km 3.9				
					Km 383.6 = Km 5.5				
					V.S. Gvbf-Ausfgr. (in Vsv) *Va*				
				5.0					
		75			Str. 413-17				
					V.S. Gvbf-Einfgr. (in Vsv) *Ve*				
					Km 0.0 = Km 387.3				
					Str. 413-16				
					Fürnitz (in Vsv) *Fn*				
					Km 385.9 = Km 2.5				80

M 4411		Str. 222 – GSM-R – A –		Str. 413-16 – GSM-R – A –	
		1	2	3	1a
	4				
	5				
	6				
		75			70
			5.1	V.S. Gvbf-Ost (in Vsv) *Vo*	0.7 0.6
	3.21				
		75	5.4	Gödersdorf (in Vsv)	
			5.8		
		70	7.0	Finkenstein	
		60			
			7.5		
	27	80	10.7	Faak am See	
			12.3		
	31	85	16.0	Ledenitzen	
			16.6		
		70	19.5	Winkl im Rosental	
			19.7	Sbl Lez 1	
	3.37		47.8	Rosenbach	
			49.4		
		80	52.9	PZB 1000 Hz	
				– GSM-R – Ende –	
			53.6	Staatsgrenze n. Rosenbach	
		50	53.6	Km 53.6 = Km 637.3	
			634.6	PZB 1000 Hz	
			631.3		
		35	630.2	Jesenice	
3.55					

# Muster 4412<sub>nP</sub>

Muster für nP-Züge mit Bhmax 59%

BT 440 a Js-Vf Bh = 52%  
438 a Vf-Gu Z2 Bh = 28%  
437 a Gu Z2-Stt Bh = 59%  
440 a Stt-Swa Bh = 55%  
411 a Swa-Sb Bh = 55%

# M 4412

		Vmax = 100 km/h Bhmax = 59%			
		1	2	3	1a
	4				
	5				
	6				
		0.00			
		35	630.2	Jesenice	
			631.3		
		50	637.3	Km 637.3 = Km 53.6 – GSM-R – A –	
				Staatsgrenze n. Rosenbach	
		80	53.6		
			49.4		
		70	22.6	Rosenbach	
			19		
		60			
			22.1		
		70	19.8	Sbl Lez 1	
			19.5	Winkl im Rosental	
			17.7		
		65			
			17.2		
		70			
			16.6	Ledenitzen	
		90	16.0		
	25		12.5		
		85			
			12.3	Faak am See	
		80	10.7		
			0.29		

M 4412							– GSM-R – A –			
4	5	6	1	2	3	2a	1a			
		0.29	80	10.7	Faak am See					
				7.1						
			70	7.0						
				5.8						
			80	5.4	Gödersdorf (in Vsv)					
			80	5.1	Str. 222 ← V.S. Gvbf-Ost → (in Vsv) *Vo*					
				3.9	Km 3.9 = Km 383.1					
					Km 2.5 = Km 385.9					
		34		383.1	Str. 413-16 ← V.S. Gvbf-Ost → (in Vsv) *Vo*	0.6				80
			90							
					Str. 413-17 Fürnitz (in Vsv) *Fn*	386.5				90
					Km 387.3 = Km 0.0					
					Str. 413-15 V.S. Gvbf-Einfgr. (in Vsv) *Ve*					
					Str. 413-19 V.S. Gvbf-Ausfgr. (in Vsv) *Va*	2.3				
					Km 5.5 = Km 383.6					
					Str. 413-14 ← V.S. Gvbf-Auen → (in Vsv) *Vu*					
		0.36		382.7	Str. 413 ← V.S. Gvbf-Auen → (in Vsv) *Vu*	382.7				
				381.7						
					Villach Warmbad					
					Villach Warmbad					
				381.2	AB (Awanst)	381.7				

M 4412				Str. 413 – GSM-R – A –		Str. 413-14 – GSM-R – A –	
4	5	6	1	2	3	2a	1a
0.40		1.30	90	381.2	AB (Awanst) Str. 413-14 ← V. Westbf (in Vb) → *Vf*		90
				379.1		379.1	
			60		V.-Draubücke (in Vb) *Vbd*		
				378.3	Km 378.3 = Km 0.9		
			50	0.9	Km 0.0 = Km 165.6		
				166.5	Abzw Gu 2		
			90				
				168.8			
			100	169.0	Sbl Gu 1		
				171.4	AB (Awanst)		
				171.9			
			80	172.8	Gummern		
				174.0	Puch		
				174.5			
			100	177.4	Sbl Pf 1		
				177.7	Weissenst.-K.		
				178.7	AB (Awanst)		
			47	183.2	Paternion-Feistr.		
				185.7	Markt Paternion		
				187.0	Ferndorf		
				187.1	Sbl Ro 1		
				188.1	AB (Awanst)		
		1.53		190.0	Schutzstrecke		
				191.7	Rothenthurn		



M 4412							– GSM-R – A –			
4	5	6	1	2	3	2a	1a			
1.59		1.53	100	191.7	<b>Rothenthurn</b>					
				196.2	Sbl Stt 1					
				198.4	GPE					
			80	198.7						
				199.4						
			70							
				200.1						
			100							
				80.9	<b>Spittal-Millst.</b>					
				90	Sbl Uz 1					
		2.09		75.1	Km 75.1 = Km 75.0					
				74.4	Abzww Str. 40701 (in Uz)					
					<b>Pusarnitz-Süd</b> (in Uz)					
				74.0	*Uzs*					
				72.8	<b>Pusarnitz</b> (in Uz)					
				69.4	Mühlendorf-Möllbrücke					
				69.1	Üst Kl 2					
				67.3	Sbl Kl 1					
				64.8	<b>Kolbnitz</b>					
				61.7	Sbl Pk 1					
		30		58.4	<b>Penk</b>					
				58.3	Km 58.3 = Km 57.9					
				55.8	Oberfalkenstein					
				54.5	Sbl Ma 3					
				51.7	Üst Ma 2					
				48.9	Sbl Ma 1					
				46.9	Km 46.9 = Km 46.0					
				45.9	<b>Mallnitz-Obervell.</b>					
					(in Ma) *Ma*					
				2.47						

M 4412								– GSM-R – A –			
4	5	6	1	2	3	2a	1a				
2.42		2.47		45.9	Mallnitz-Obervell. (in Ma) *Ma*						
			80	45.1	Mallnitz-Nord (in Ma) *Mtn*						
				43.3	Mallnitz-Hintertal (in Ma) *Mth* Bstg.a.B.						
				43.2							
			90	42.2	Sbl Bs 4						
				40.7	Sbl Bs 3						
				38.2	Sbl Bs 2						
				36.4	Sbl Bs 1						
			58	34.2	Böckstein						
				34.1	GPE						
	3.02		70	33.9							
			55	31.7							
				30.9	Bad Gastein						
			60	30.1							
			70	29.4							
				29.1							
			70	27.7	Abzw Al 1						
			07	26.1							
				25.4	Angertal Bstg.a.B.						
				23.7							
	10		55	22.6	Abzw Hg 1						
				22.4	Hst außer Betrieb						
			20.8								
			19.3	Bad Hofgastein							

M 4412								– GSM-R – A –			
4	5	6	1	2	3	2a	1a				
3.30		3.14	75	19.3	Bad Hofgastein						
			90	18.8	Dorfgastein						
				14.3	Sbl Lof 2						
				11.8	GPE						
			80	10.5							
			80	9.5	Abzw Lof 1						
			21	9.3							
			65	7.7							
			23	7.4	Km 7.4 = Km 7.1						
				6.8	Loif.-Süd (in Lof) *Lsf*						
		40	70	6.4							
			75	6.3	Loifarn (in Lof)						
				5.4	*Lof* Bstg.a.B.						
				2.4	Sbl Swa 1T						
				1.4	PZB 1000 Hz						
			60	0.7							
			70	66.5	Schwarzach-St.V.						
			80	64.4							
				64.3	Sbl Jp 2						
			85	63.1	Sbl Jp 1						
		3.46	90	62.2	St.Johann i.P.						
				61.3							

M 4412								– GSM-R – A –			
4	5	6	1	2	3	2a	1a				
		3.46	90	61.3	St.Johann i.P.						
			85	60.0							
				59.2				Sbl Bo 3			
			50	56.9				Üst Bo 2			
			85	56.8							
			80	55.8							
			70	55.4							
				55.3				Mitterberghütten			
				55.1				Sbl Bo 1			
			70	54.8				Bischofshofen Fbf			
53		53.2	(in Bo) *Bob*								
	80	52.5	Bischofshofen (in Bo)								
		52.3		*Bo*							
		52.0		Km 52.0 = Km 51.7							
	85	51.2									
	50.5										
	90	50.2		Sbl Rf 2							
		47.8		Sbl Rf 1							
		46.6		Pfarwerfen							
		45.2		Werfen							
3.59		44.5									
	80	44.2	Tenneck (Awanst)								
	70	42.2									

M 4412							– GSM-R – A –			
4	5	6	1	2	3	2a	1a			
			70	42.2	Tenneck (Awanst)					
			70	42.1						
				41.5	Sbl Gg 5					
			70	40.8						
		4.05		38.7	Sulzau Lst					
				38.6	Üst Gg 4					
			65	37.6						
				37.1	Sbl Gg 3					
		09	70	34.5	Üst Gg 2					
				31.7	Sbl Gg 1					
				31.6	AB (Awanst)					
			90	31.3						
		14		31.1	Schutzstrecke					
				28.8	Golling-Abt.					
				26.2	Sbl Hl 5					
				25.6	Kuchl					
				25.2	Kuchl Lst (Awanst)					
				24.5	Sbl Hl 4					
		18		22.9	Üst Hl 3					
				22.4	Kuchl Garnei					
				21.7	Sbl Hl 2					
				20.9	Bad Vigaun					
			85	20.1	Sbl Hl 1					
				19.4	Hallein Burgfried					
		4.22	90	19.2	Hallein					
				17.8						
				16.0	Oberalm					
				14.9	Sbl Aj 7					

M 4412							– GSM-R – A –			
4	5	6	1	2	3	2a	1a			
			90	14.9	Sbl Aj 7					
				14.5	Puch bei Hallein					
				13.8	Sbl Aj 6					
				13.2	Puch Urstein					
		4.26		12.2	Üst Aj 5					
				10.3	Sbl Aj 2					
				9.0	Elsbethen					
				8.7	Sbl Aj 1					
				7.9	Salzburg Süd					
			85	7.8						
			90	6.9	Salzburg Aigen					
		31		5.8	Salzburg Parsch					
				4.5	Sb Gnigl-Einfgr.					
		33		3.5	(in Sb) *Sre*					
				3.0	Salzburg Gnigl (in Sb)					
			85	2.5	Salzbg. Gnigl-Vbf					
	4.35	38		2.4	(in Sb) *Sr*					
				2.2	GPE					
				2.1	Salzburg Sam (in Sb)					
		4.42	60	1.0	Salzbg.-Mitte					
					*Sbm*					
	4.45			0.0	Salzburg Hbf					
					(in Sb) *Sb*					

# Muster 4413<sub>nP</sub>

Muster für nP-Züge mit Bmax 58%

- BT
- 409 a

Sb-HI

U3
- 408 a

HI

U3-Rf
- 409 a

Rf-Bo
- 411 a

Bo-Swa
- 437 a

Swa-Bs
- 440 a

Bs-Stt
- 438 a

Stt-Vf
- 440 a

Vf-Js

Bh = 58%

Bh = 57%

Bh = 48%

Bh = 53%

Bh = 53%

Bh = 55%

Bh = 51%

Bh = 53%

# M 4413

Vmax = 100 km/h Bhmax = 58% – GSM-R – A –						
4	5	6	1	2	3	2a 1a
		0.00	60	0.0	Salzburg Hbf (in Sb) *Sb*	
				1.0	Salzbg.-Mitte *Sbm*	
			90	2.1	Salzburg Sam (in Sb)	
		2.4		Salzbg. Gnigl-Vbf (in Sb) *Sr*		
		05	3.0	Salzburg Gnigl (in Sb)		
			3.5	Sb Gnigl-Einfgr. (in Sb) *Sre*		
		07	4.5	Salzburg Parsch		
			5.8	Salzburg Aigen		
		09	7.9	Salzburg Süd		
			8.6	Sbl Aj 1		
		0.13	9.0	Elsbethen		
10.1	Sbl Aj 2					
12.2	Üst Aj 5					
13.2	Puch Urstein					
13.3	Sbl Aj 6					
14.5	Puch bei Hallein					
14.8	Sbl Aj 7					

# M 4413

– GSM-R – A –						
4	5	6	1	2	3	2a 1a
M 4413	0.17	21	90	14.8	Sbl Aj 7	
				16.0	Oberalm	
				17.8	Hallein	
			19.4	Hallein Burgfried		
			20.0	Sbl HI 1		
			20.9	Bad Vigaun		
			21.1	Sbl HI 2		
			22.4	Kuchl Garnei		
			22.9	Üst HI 3		
			24.3	Sbl HI 4		
25		100	25.2	Kuchl Lst (Awanst)		
			25.6	Kuchl		
			26.1	Sbl HI 5		
		28.0	PZB 1000 Hz			
		28.8	Golling-Abt.			
		29.2				
		90	31.0	Schutzstrecke		
		31.1	GPE			
		31.3				
		70	31.6	AB (Awanst)		
30		90	31.6	Sbl Gg 1		
			34.5	Üst Gg 2		
			37.0	Sbl Gg 3		
		38.6	Üst Gg 4			
		38.7	Sulzau Lst			
		41.4	Sbl Gg 5			
		42.2	Tenneck (Awanst)			
		44.2				
		80	44.5			
		0.34		90	44.5	
44.5						

M 4413								- GSM-R-A -		
4	5	6	1	2	3	2a	1a			
0.57		0.40		44.5	Werfen					
			90	45.2						
				46.6						
				47.7						
				49.6						
			51.2							
			51.7	Km 51.7 = Km 52.0						
			52.3	Bischofshofen (in Bo) *Bo*						
			53.2	Bischofshofen Fbf (in Bo) *Bob*						
			54.8							
			54.9	Sbl Bo 1						
			55.3	Mitterberghütten						
55.4										
			56.6							
			56.8		Üst Bo 2					
			56.9		Sbl Bo 3					
		52	59.0		St.Johann i.P.					
			61.3							
			62.9		Sbl Jp 1					
			64.1		Sbl Jp 2					
			64.4							
			70		Schwarzach-St.V.					
		1.07	0.0							
			60							
			90			Sbl Swa 1T				
				0.7						
				1.7						

M 4413								- GSM-R - A -			
4	5	6	1	2	3	2a	1a				
			90	1.7	Sbl Swa 1T						
			100	2.6	Loifarn (in Lof) *Lof* Bstg.a.B.						
		1.14		5.4	GPE						
			70	6.5	Loif.-Süd (in Lof) *Lsf*						
		15		6.8	Km 7.1 = Km 7.4						
			80	7.1							
		17		7.7	Abzw Lof 1						
			90	9.3							
				9.5							
			100	10.8							
		21		11.7	Sbl Lof 2						
				14.3	Dorfgastein						
				17.9	GPE						
			90	18.2	Bad Hofgastein						
		24		19.3	Hst außer Betrieb						
		27		22.4	Abzw Hg 1						
			70	22.6							
				25.2	Angertal Bstg.a.B.						
		30	80	25.4							
		33		27.7	Abzw Al 1						
			70	29.1							
				29.4	Bad Gastein						
		1.36	60	30.1							
				30.4							

M 4413										– GSM-R – A –					
4	5	6	1	2	3	2a	1a								
1.41		1.46		30.4											
			70												
			100												
			90												
				36.1											
				37.9											
				40.4											
				41.9											
				43.0											
				43.3											
		55	80												
			70												
			75												
				45.9											
				46.0											
				48.7											
				51.7											
			70												
			75												
				54.2											
		08		55.8											
				57.9											
				58.4											
				61.6											
				64.8											
		2.02													
		2.13													

M 4413										– GSM-R – A –			
4	5	6	1	2	3	2a	1a						
2.27			75	64.8	Kolbnitz								
				67.1	Sbl Kl 1								
				69.1	Üst Kl 2								
				69.4	Mühdorf-Möllbrücke								
				72.8	Pusarnitz (in Uz)								
				90	Pusarnitz-Süd (in Uz)								
					*Uzs*								
					74.4	Abzww Str. 40701 (in Uz)							
					75.0	Km 75.0 = Km 75.1							
					77.7	Sbl Uz 1							
			80.8	GPE									
		32	200.1	Spittal-Millst.									
			70	199.4									
			80	198.7									
			90	196.3	Sbl Stt 1								
		41	191.7	190.1	Rothenthurn								
				188.1	Schutzstrecke								
				187.2	AB (Awanst)								
				187.0	Sbl Ro 1								
				185.7	Ferdorf								
				183.2	Markt Paternion								
		47		178.7	Paternion-Feistr.								
				177.7	AB (Awanst)								
				177.5	Weissenst.-K.								
				174.5	Sbl Pf 1								
			80	174.0	Puch								
		2.54		172.8	Gummern								

M 4413							– GSM-R – A –			
4	5	6	1	2	3	2a	1a			
3.04	14	3.19	90	80	Gummern	Str. 413 ← V. Westbf (in Vb) → *Vf*	90			
				172.8						
				171.9						
				171.4						
				169.2						
3.02	59	3.02	50	166.5	V-Draubücke (in Vb) *Vbd*	Str. 413-14	90			
				165.6						
				0.9						
				378.3						
				378.5						
3.19	31	3.19	85	378.9	Villach Warmbad Villach Warmbad	Str. 222 ← V.S. Gvbf-Auen → (in Vsv) *Vu*	80			
				381.2						
				381.7						
				382.7						
				383.1						
3.37	337	3.37	70	5.0	V.S. Gvbf-Ausfgr. (in Vsv) *Va*	Km 383.6 = Km 5.5	70			
				52.9						
				53.6						
				634.6						
				634.6						

M 4413				Str. 222 – GSM-R– A –		Str. 413-19 – GSM-R– A –	
4	5	6	1	2	3	2a	1a
				5.0	<b>V.S. Gvbf-Einfgr.</b> (in Vsv) *Ve*  Km 0.0 = Km 387.3  <b>Str. 413-16</b> (in Vsv) *Fn*  Km 385.9 = Km 2.5  <b>V.S. Gvbf-Ost</b> (in Vsv) *Vo*  ←————→	2.3	90
			75				
			5.1				
			5.4				
			5.8				
3.21			75	5.4	Gödersdorf (in Vsv)	0.7	80
			70	5.8			
			60	7.0			
			80	7.5			
			85	10.7			
27			80	12.3	<b>Faak am See</b>	0.6	70
			85	16.0			
			70	16.6			
			19.5	19.7			
			47.8				
3.37			49.4	49.4	<b>Ledenitzen</b>  Winkl im Rosental Sbl Lez 1  <b>Rosenbach</b>  PZB 1000 Hz  – <u>GSM-R– Ende</u> – Staatsgrenze n. Rosenbach Km 53.6 = Km 637.3 PZB 1000 Hz	70	
			80	52.9			
			53.6	53.6			
			50	634.6			
			634.6				

M 4413						
4	5	6	1	2	3	2a1a
3.55			50	634.6	PZB 1000 Hz	
				631.3		
			35	630.2		
Jesenice						

# Muster 4414<sub>nP</sub>

Muster für nP-Züge mit Bhmax 64%

BT 441 a Js-Vf Bh = 59%  
438 a Vf-Gu Z2 Bh = 28%  
441 a Gu Z2-Swa Bh = 64%  
409 a Swa-Sb Bh = 64%

# M 4414

M 4414							Vmax = 100 km/h Bhmax = 64%		
4	5	6	1	2	3	2a	1a		
0.00		19	35	630.2	Jesenice  Km 637.3 = Km 53.6 – <u>GSM-R-A</u> –  Staatsgrenze n. Rosenbach				
			50	631.3					
				637.3					
			80	53.6					
			70	49.4					
			60	22.6					
			70	22.1					
				19.8					
				19.5					
			90	16.6					
25			90	16.0	Ledenitzen				
			80	12.3					
				10.7					
29			80	7.1	Faak am See				
			70	7.0					
				5.8					
			80	5.4	Gödersdorf (in Vsv)				
0.34			80	5.1	Str. 222	Str. 413-16	80		
			V.S. Gvbf-Ost					0.6	
			(in Vsv) *Vo*						



M 4414						Str. 222 – GSM-R – A –		Str. 413-16 – GSM-R – A –	
4	5	6	1	2	3	2a	1a		
0.40		0.34	80	5.1	V.S. Gvbf-Ost (in Vsv) *Vo*  Km 3.9 = Km 383.1  Km 2.5 = Km 385.9	0.6	80		
			3.9						
			383.1						
			100						
		36		382.7	Str. 413 V.S. Gvbf-Auen (in Vsv) *Vu*  Km 5.5 = Km 383.6  Villach Warmbad	382.7			
	381.7								
	381.2								
	379.1								
		55		379.1	Str. 413-14 V. Westbf (in Vb) *Vf*	379.1			
		60		378.3	V.-Draubücke (in Vb) *Vbd*				
			0.58						
			50	0.9					

M 4414								– GSM-R – A –			
4	5	6	1	2	3	2a	1a				
		1.01	50		Km 0.0 = Km 165.6						
			166.5	Abzw Gu 2							
			90	169.0	Sbl Gu 1						
				171.4	AB (Awanst)						
			171.9								
			80	172.8	Gummern						
				174.0	Puch						
			174.5								
			100	177.4	Sbl Pf 1						
				177.7	Weissenst.-K.						
				178.7	AB (Awanst)						
		13	183.2	Paternion-Feistr.							
			185.7	Markt Paternion							
			187.0	Ferndorf							
			187.1	Sbl Ro 1							
			188.1	AB (Awanst)							
			190.0	Schutzstrecke							
			191.7	Rothenthurn							
			196.2	Sbl Stt 1							
			198.4	GPE							
			198.7								
			80								
199.4											
70											
200.1											
100	80.9	Spittal-Millst.									
		40		77.9	Sbl Uz 1						
				75.1	Km 75.1 = Km 75.0						
				74.4	Abzwzw Str. 40701 (in Uz)						
			1.25								
				1.46							

M 4414							– GSM-R – A –			
4	5	6	1	2	3	2a	1a			
		1.46	100	74.4	Abzww Str. 40701 (in Uz)					
		46		74.0	<b>Pusarnitz-Süd</b> (in Uz) *Uzs*					
		47		72.8	<b>Pusarnitz</b> (in Uz)					
		50		69.4	Mühdorf-Möllbrücke					
		54		69.1	Üst Kl 2					
				67.3	Sbl Kl 1					
				64.8	<b>Kolbnitz</b>					
				61.7	Sbl Pk 1					
		2.00		58.4	<b>Penk</b>					
				58.3	Km 58.3 = Km 57.9					
				55.8	Oberfalkenstein					
				54.5	Sbl Ma 3					
		06		51.7	Üst Ma 2					
				48.9	Sbl Ma 1					
				46.9	Km 46.9 = Km 46.0					
		2.12		45.9	<b>Mallnitz-Obervell.</b> (in Ma) *Ma*					
		24	80	45.1	<b>Mallnitz-Nord</b> (in Ma) *Mtn*					
		27		43.3	<b>Mallnitz-Hintertal</b> (in Ma) *Mth* Bstg.a.B.					
				43.2						
			100	42.2	Sbl Bs 4					
				40.7	Sbl Bs 3					
				38.2	Sbl Bs 2					
				36.4	Sbl Bs 1					
		2.33	95	34.2	<b>Böckstein</b>					
				34.1	GPE					
				33.9						

M 4414							– GSM-R – A –			
4	5	6	1	2	3	2a	1a			
				33.9						
			70	31.7						
			65							
		2.37	60	30.4	<b>Bad Gastein</b>					
			30.1							
			29.4							
			70							
			29.1							
		39	70	27.7	Abzw Al 1					
			26.1							
		42	70	25.4	<b>Angertal</b> Bstg.a.B.					
			23.7							
		44	60	22.6	Abzw Hg 1					
				22.4	Hst außer Betrieb					
			20.8							
		47	85	19.3	<b>Bad Hofgastein</b>					
			18.8							
			90							
			18.2							
		51	100	14.3	<b>Dorfgastein</b>					
				11.8	Sbl Lof 2					
				11.1	GPE					
			10.8							
			90							
			9.5							
		54	80	9.3	Abzw Lof 1					
			7.7							
			7.4		Km 7.4 = Km 7.1					
		2.56	70	6.8	<b>Loif-Süd</b> (in Lof) *Lsf*					

M 4414								– GSM-R – A –			
4	5	6	1	2	3	2a	1a				
3.03	2.56	58	70	6.8	Loif.-Süd (in Lof) *Lsf*						
			85	6.3	Loifarn (in Lof) *Lof* Bstg.a.B.						
				5.4	Sbl Swa 1T						
				2.4	PZB 1000 Hz						
	3.13		60	1.4	Schwarzach-St.V.						
			70	0.7							
	19	22	85	66.5	St.Johann i.P.						
				64.4							
				64.3							
			90	63.1							
			61.3								
			59.2								
			56.9								
		85	56.8								
	25		70	55.4	Bischofshofen Fbf						
				55.3							
				55.1							
			75	54.8							
	3.26			53.2	Bischofshofen (in Bo) *Bo*						
			80	52.5							
			52.3	Km 52.0 = Km 51.7							
			52.0								
			51.2								

M 4414							– GSM-R – A –			
4	5	6	1	2	3	2a	1a			
	3.31			51.2						
			90	50.2						
				47.8						
				46.6						
				45.2						
			80	44.5						
	37			44.2						
			70	42.2						
				41.5						
				38.7						
	41			38.6						
				37.1						
				34.5						
				31.7						
				31.6						
			90	31.3						
	46			31.1						
				28.8						
				26.2						
				25.6						
	50			25.2						
				24.5						
				22.9						
				22.4						
				21.7						
				20.9						
				20.1						
				19.4						
				17.8						

M 4414							
- GSM-R - A -							
4	5	6	1	2	3	2a	1a
4.08		3.54	90	17.8	Hallein		
				16.0	Oberalm		
				14.9	Sbl Aj 7		
				14.5	Puch bei Hallein		
				13.8	Sbl Aj 6		
				13.2	Puch Urstein		
				12.2	Üst Aj 5		
				10.3	Sbl Aj 2		
				9.0	Elsbethen		
				8.7	Sbl Aj 1		
4.19		4.17	60	7.9	Salzburg Süd		
				5.8	Salzburg Aigen		
				4.5	Salzburg Parsch		
				3.5	Sb Gnigl-Einfgr. (in Sb) *Sre*		
				3.0	Salzburg Gnigl (in Sb)		
4.08		13		2.4	Salzbg. Gnigl-Vbf (in Sb) *Sr*		
				2.2	GPE		
				2.1	Salzburg Sam (in Sb)		
				1.0	Salzbg.-Mitte (in Sb) *Sbm*		
				0.0	Salzburg Hbf (in Sb) *Sb*		

# Muster 4415<sub>nP</sub>

Muster für nP-Züge mit Bhmax 65%

BT 409 b Sb-Swa Bh = 62%  
441 a Swa-Gu Z2 Bh = 65%  
438 a Gu Z2-Vf Bh = 65%  
441 a Vf-Js Bh = 65%

M 4415							Vmax = 100 km/h Bhmax = 65% – GSM-R – A –		
4	5	6	1	2	3	2a	1a		
0.06		0.00	60	Salzburg Hbf (in Sb) *Sb*					
				Salzbg.-Mitte (in Sb) *Sbm*					
			90	Salzburg Sam (in Sb)					
				Salzbg. Gnigl-Vbf (in Sb) *Sr*					
			11	3.0 Salzburg Gnigl (in Sb)					
				3.5 Sb Gnigl-Einfgr. (in Sb) *Sre*					
			15	4.5 Salzburg Parsch					
				5.8 Salzburg Aigen					
			17	7.9 Salzburg Süd					
				8.6 Sbl Aj 1					
0.26		0.26	22	Elsbethen					
				10.1 Sbl Aj 2					
			12.2 Üst Aj 5						
			13.2 Puch Urstein						
			13.3 Sbl Aj 6						
			14.5 Puch bei Hallein						
			14.8 Sbl Aj 7						
			16.0 Oberalm						
			17.8 Hallein						
			19.4 Hallein Burgfried						

M 4415										– GSM-R – A –			
4	5	6	1	2	3	2a	1a						
	0.30	34	90	19.4	Hallein Burgfried								
				20.0	Sbl HI 1								
				20.9	Bad Vigaun								
				21.1	Sbl HI 2								
				22.4	Kuchl Garnei								
				22.9	Üst HI 3								
				24.3	Sbl HI 4								
				25.2	Kuchl Lst (Awanst)								
				25.6	Kuchl								
				26.1	Sbl HI 5								
				28.0	PZB 1000 Hz								
				28.8	Golling-Abt.								
				31.0	Schutzstrecke								
				31.1	GPE								
				31.3									
			70	31.6	AB (Awanst)								
				31.6	Sbl Gg 1								
				34.5	Üst Gg 2								
				37.0	Sbl Gg 3								
				38.6	Üst Gg 4								
	42	80	38.7	Sulzau Lst									
			41.4	Sbl Gg 5									
	0.48		42.2	Tenneck (Awanst)									
			44.2										
			44.5	Werfen									
	90	45.2											
		46.6	Pfarrwerfen										
		47.7	Sbl Rf 1										
		49.6	Sbl Rf 2										

M 4415										– GSM-R – A –			
4	5	6	1	2	3	2a	1a						
1.07	22	0.53	90	49.6	Sbl Rf 2	57							
			80	51.2									
			51.7	Km 51.7 = Km 52.0									
			52.3	Bischofshofen (in Bo) *Bo*									
			53.2	Bischofshofen Fbf (in Bo) *Bob*									
		54	70	54.8									
			54.9	Sbl Bo 1									
			55.3	Mitterberghütten									
			85	55.4									
			56.8										
			56.9	Üst Bo 2									
		1.01	90	59.0	Sbl Bo 3								
			61.3	St.Johann i.P.									
			62.9	Sbl Jp 1									
				64.1	Sbl Jp 2								
64.4													
70	0.0			Schwarzach-St.V.									
60	0.7												
90	1.7			Sbl Swa 1T									
	1.29	100	2.6	Loifarn (in Lof) *Lof* Bstg.a.B.									
		5.4											
		6.4	GPE										
			6.5										

M 4415									
– GSM-R – A –									
4	5	6	1	2	3	2a	1a		
1.56		1.30		6.5	Loif.-Süd (in Lof) *Lsf* Km 7.1 = Km 7.4				
			70						
			32	80				9.3	
				90				9.5	
				10.8					
			36	100				11.7	Sbl Lof 2 Dorfgastein GPE
				14.3					
				17.9					
			39	90				18.2	Bad Hofgastein Hst außer Betrieb Abzw Hg 1
				19.3					
		22.4							
		42		22.6	70				
			45	25.2					
		48		27.7	80			Angertal Bstg.a.B. Abzw Al 1	
			29.1						
		51		70	29.4			Bad Gastein	
			60	30.1					
			30.4						
		2.02		70	33.9			Böckstein Sbl Bs 1 Sbl Bs 2 Sbl Bs 3	
			100	34.2					
			36.1						
			37.9						
			40.4						

M 4415							
– GSM-R – A –							
4	5	6	1	2	3	2a	1a
		2.12	100	40.4	Sbl Bs 3		
				41.9	Sbl Bs 4		
				43.0	GPE		
				43.3	Mallnitz-Hintertal (in Ma) *Mth* Bstg.a.B.		
			80	43.7			
			75	44.6			
			80	45.9	Mallnitz-Obervell. (in Ma) *Ma*		
			90	46.0	Km 46.0 = Km 46.9		
				48.7	Sbl Ma 1		
				51.7	Üst Ma 2		
			80	52.6			
			85	52.7			
				54.2	Sbl Ma 3		
				55.8	Oberfalkenstein		
				57.9	Km 57.9 = Km 58.3		
				58.4	Penk		
			22	61.6	Sbl Pk 1		
				26	64.8		
	67.1	Sbl Kl 1					
29	69.1	Üst Kl 2					
	69.4	Mühldorf-Möllbrücke					
	32	72.8	Pusarnitz (in Uz)				
			Pusarnitz-Süd (in Uz)				
	2.33		100	74.0	*Uzs*		

M 4415							– GSM-R – A –			
4	5	6	1	2	3		2a	1a		
2.39		2.33	100	74.0	<b>Pusarnitz-Süd</b> (in Uz)					
		34		74.4	Abzww Str. 40701 (in Uz)					
				75.0	Km 75.0 = Km 75.1					
				77.7	Sbl Uz 1					
				80.8	GPE					
		45	70	200.1	<b>Spittal-Millst.</b>					
				199.4						
			80	198.7						
			100	196.3	Sbl Stt 1					
		54		191.7	<b>Rothenthurn</b>					
59				190.1	Schutzstrecke					
				188.1	AB (Awanst)					
				187.2	Sbl Ro 1					
				187.0	Ferndorf					
				185.7	Markt Paternion					
				183.2	<b>Paternion-Feistr.</b>					
				178.7	AB (Awanst)					
				177.7	Weißerst.-K.					
				177.5	Sbl Pf 1					
				174.5						
3.06			80	174.0	Puch					
				172.8	<b>Gummern</b>					
				171.9						
			90	171.4	AB (Awanst)					
				169.2	Sbl Gu 1					
3.11				166.5	Abzw Gu 2					
			50	165.6	Km 165.6 = Km 0.0					

M 4415										– GSM-R – A –		
4	5	6	1	2	3	2a	1a					
3.16	3.14		50	165.6	Km 165.6 = Km 0.0	Str. 413-14	100					
				0.9	Km 0.9 = Km 378.3							
				378.3	V-Draubücke (in Vb) *Vbd*							
			60	378.5								
				378.9								
			90									
			95	379.1	V. Westbf *Vf*		379.1					
				381.2	AB (Awanst)							
				381.7	Villach Warmbad		381.7					
						Villach Warmbad						
3.36					Str. 222							
					V.S. Gvbf-Auen							
			382.7	(in Vsv) *Vu*		382.7						
				Km 383.6 = Km 5.5								
			383.1	Km 383.1 = Km 3.9								
					V.S. Gvbf-Ausfgr. (in Vsv) *Va*							
			5.0			3.7						
		80			Str. 413-17							
					V.S. Gvbf-Einfgr. (in Vsv) *Ve*							
					Km 0.0 = Km 387.3							
					Str. 413-16							
					Fürnitz (in Vsv) *Fn*							
					Km 385.9 = Km 2.5							
							386.5			80		

M 4415				Str. 222 – GSM-R – A –		Str. 413-16 – GSM-R – A –	
4	5	6	1	2	3	2a	1a
			80		Km 385.9 = Km 2.5  V.S. Gvbf-Ost (in Vsv) *Vo* ←————→	0.7	80
		3.37		5.1		0.6	75
			80	5.4	Gödersdorf (in Vsv)		
			70	5.8	Finkenstein		
			60	7.0			
			80	7.5	Faak am See		
		43		10.7			
			90	12.3	Ledenitzen		
		47		16.0			
			70	16.6			
				19.5	Winkl im Rosental		
				19.7	Sbl Lez 1		
		3.53		47.8	Rosenbach		
				49.4			
			80	52.9	PZB 1000 Hz		
					– GSM-R – Ende –		
				53.6	Staatsgrenze n. Rosenbach		
			50	53.6	Km 53.6 = Km 637.3		
				634.6	PZB 1000 Hz		
				631.3			
			35	630.2	Jesenice		
4.11							

Muster 4416<sub>nP</sub>

BT 437 b Js-Vo Bh = 58%  
439 a Vo-Va Bh = 36%  
432 b Va-Vf Bh = 66%  
438 a Vf-Gu Z2 Bh = 28%  
437 b Gu Z2-A1 Bh = 70%  
438 a Al-Hg Bh = 68%  
437 b Hg-Lsf Bh = 68%  
438 a Lsf-Swa Bh = 70%  
408 b Swa-Sb Bh = 70%

M 4416							Vmax = 100 km/h Bhmax = 70%			
4	5	6	1	2	3	2a	1a			
		0.00	35	630.2	Jesenice					
			70	631.3						
			50	633.6	Km 637.3 = Km 53.6 – GSM-R – A –					
			80	53.6	Staatsgrenze n. Rosenbach					
			70	49.4						
		19	60	22.6	Rosenbach					
			70	22.1						
				19.8	Sbl Lez 1					
				19.5	Winkl im Rosental					
		25	90	16.6	Ledenitzen					
				16.0						
		0.29	80	12.3	Faak am See					
			70	10.7						
				7.1	Finkenstein					
				5.8						



M 4416							– GSM-R – A –			
4	5	6	1	2	3		2a	1a		
0.38		0.34		5.8	Gödersdorf (in Vsv) <b>V.S. Gvbf-Ost</b> (in Vsv) *Vo*					
			80	5.4						
				5.1						
			60		<b>V.S. Gvbf-Ausfgr.</b> (in Vsv) *Va*					
				3.7						
-----	-----	1.00	100	5.5	Km 5.5 = Km 383.6					
					<b>Str. 413</b>					
			100		<b>V.S. Gvbf-Auen</b> →	<b>Str. 413-14</b>				
				382.7	(in Vsv) *Vu*		382.7			
				381.7	Villach Warmbad	Villach Warmbad	381.7			
-----	-----	05		381.2	AB (Awanst)					
					<b>Str. 413-14</b>					
					<b>V. Westbf</b> (in Vb) →					
				379.1	*Vf*		379.1			
-----	-----	08								
		10	60		<b>V.-Draubücke</b> (in Vb) *Vbd*					
				378.3						
			50	0.9		Km 378.3 = Km 0.9				
						Km 0.0 = Km 165.6				
						Abzw Gu 2				
	1.13			166.5						
			90							
				168.8						
			100	169.0	Sbl Gu 1					
				171.4	AB (Awanst)					
				171.9						

M 4416							– GSM-R – A –			
4	5	6	1	2	3		2a	1a		
1.17				171.9	<b>Gummern</b>					
			80	172.8						
				174.0		Puch				
				174.5						
			100	177.4	Sbl Pf 1					
24				177.7	Weißerst.-K.					
				178.7	AB (Awanst)					
				183.2	<b>Paternion-Feistr.</b>					
				185.7	Markt Paternion					
				187.0	Ferndorf					
30				187.1	Sbl Ro 1					
				188.1	AB (Awanst)					
				190.0	Schutzstrecke					
				191.7	<b>Rothenthurn</b>					
				196.2	Sbl Stt 1					
1.37				198.4	GPE					
			80	198.7						
				199.4						
			70							
				200.1						
47			100		<b>Spittal-Millst.</b>					
				80.9						
				77.9	Sbl Uz 1					
				75.1	Km 75.1 = Km 75.0					
				74.4	Abzww Str. 40701 (in Uz)					
52					<b>Pusarnitz-Süd</b> (in Uz)					
53				74.0	*Uzs*					
54				72.8	<b>Pusarnitz</b> (in Uz)					
1.56				69.4	Mühldorf-Möllbrücke					
				69.1	Üst Kl 2					

M 4416							– GSM-R – A –			
4	5	6	1	2	3		2a	1a		
2.18		1.56	100	69.1	Üst Kl 2					
		2.00		67.3	Sbl Kl 1					
		06		64.8	<b>Kolbnitz</b>					
				61.7	Sbl Pk 1					
				58.4	<b>Penk</b>					
				58.3	Km 58.3 = Km 57.9					
				55.8	Oberfalkenstein					
		12		54.5	Sbl Ma 3					
				51.7	Üst Ma 2					
				48.9	Sbl Ma 1					
				46.9	Km 46.9 = Km 46.0					
		24		45.9	<b>Mallnitz-Obervell.</b> (in Ma) *Ma*					
		27	80	45.1	<b>Mallnitz-Nord</b> (in Ma) *Mtn*					
		29		43.3	<b>Mallnitz-Hintertal</b> (in Ma) *Mth* Bstg.a.B.					
			100	43.2						
				42.2	Sbl Bs 4					
				40.7	Sbl Bs 3					
				38.2	Sbl Bs 2					
		35		36.4	Sbl Bs 1					
				34.2	<b>Böckstein</b>					
				34.1	GPE					
			70	33.9						
				30.4	<b>Bad Gastein</b>					
		2.39	60	30.1						
				29.4						

M 4416							– GSM-R – A –			
4	5	6	1	2	3		2a	1a		
				29.4						
			70							
		2.41	80	29.1						
				27.7	Abzw Al 1					
		44	70	26.1						
				25.4	<b>Angertal</b> Bstg.a.B.					
			65	23.7						
				23.6						
			70							
		46		22.6	Abzw Hg 1					
			70	22.4	Hst außer Betrieb					
				20.9						
			65							
				20.8						
		49	90	19.3	<b>Bad Hofgastein</b>					
				18.2						
		53	100	14.3	<b>Dorfgastein</b>					
				11.8	Sbl Lof 2					
				11.1	GPE					
				10.8						
			90							
				9.5						
		56	80	9.3	Abzw Lof 1					
				7.7						
			70	7.4	Km 7.4 = Km 7.1					
		58		6.8	<b>Loif.-Süd</b> (in Lof) *Lsf*					
				6.3						
		3.00	90	5.4	<b>Loifarn</b> (in Lof) *Lof* Bstg.a.B.					

M 4416								– GSM-R – A –			
4	5	6	1	2	3	2a	1a				
3.05		3.00	90	5.4	Loifarn (in Lof) *Lof* Bstg.a.B.						
				2.4							
				1.4							
				0.7							
		60	66.5	Schwarzach-St.V.							
		70									
		90	64.4								
		64.3									
		18	21		63.1	St.Johann i.P.					
					61.3						
59.2											
56.9											
85	56.8										
70	55.4										
55.3	Mitterberghütten										
55.1	Sbl Bo 1										
24	3.25		54.8	Bischofshofen Fbf (in Bo) *Bob*							
			53.2								
			52.3								
			52.0								
			51.2	Bischofshofen (in Bo) *Bo*							
			90								
			50.5								
			50.2								
			47.8	Sbl Rf 2							
				Sbl Rf 1							

M 4416							– GSM-R – A –		
4	5	6	1	2	3	2a	1a		
	3.30			<b>47.8</b>	Sbl Rf 1				
			<b>90</b>	46.6	Pfarrwerfen				
				45.2	<b>Werfen</b>				
				<b>44.5</b>					
			<b>80</b>						
				<b>44.2</b>					
				<b>70</b>	42.2	Tenneck (Awanst)			
			36		41.5	Sbl Gg 5			
					38.7	Sulzau Lst			
					38.6	Üst Gg 4			
40		37.1		Sbl Gg 3					
		34.5	Üst Gg 2						
			31.7	Sbl Gg 1					
			31.6	AB (Awanst)					
			<b>31.3</b>						
			<b>90</b>	31.1	Schutzstrecke				
				<b>29.2</b>					
			45	28.8	<b>Golling-Abt.</b>				
				26.2	Sbl HI 5				
			49	25.6	Kuchl				
				25.2	Kuchl Lst (Awanst)				
				24.5	Sbl HI 4				
22.9	Üst HI 3								
			22.4	Kuchl Garnei					
			21.7	Sbl HI 2					
			20.9	Bad Vigaun					
			20.1	Sbl HI 1					
			19.4	Hallein Burgfried					
			3.52	17.8	<b>Hallein</b>				
				16.0	Oberalm				

M 4416						
- GSM-R - A -						
4	5	6	1	2	3	2a 1a
4.04		3.56	100	16.0	Oberalm Sbl Aj 7 Puch bei Hallein Sbl Aj 6 Puch Urstein Üst Aj 5 Sbl Aj 2 Elsbethen Sbl Aj 1 Salzburg Süd  Salzburg Aigen  Salzburg Parsch Sb Gnigl-Einfgr. (in Sb) *Sre*  Salzburg Gnigl (in Sb) Salzbg. Gnigl-Vbf (in Sb) *Sr* GPE Salzburg Sam (in Sb) Salzbg.-Mitte (in Sb) *Sbm* Salzburg Hbf (in Sb) *Sb*	
				14.9		
				14.5		
				13.8		
				13.2		
				12.2		
				10.3		
				9.0		
				8.7		
				7.9		
				7.8		
			95	6.6		
4.13		4.11	60	6.6		
				5.8		
				5.1		
				4.5		
				3.5		
				3.1		
				3.0		
				2.4		
				2.2		
				2.1		
				1.0		
				0.0		

# Muster 4418

nP

BT 437 b Js-Vf Bh = 59%  
432 b Vf-Vbo Bh = 41%

M 4418							
Vmax = 100 km/h Bhmax = 59%							
4	5	6	1	2	3	2a	1a
	0.00		35	630.2	Jesenice  Km 637.3 = Km 53.6 – <u>GSM-R-A</u> – Staatsgrenze n. Rosenbach		
			70	631.3			
			50	633.6			
			80	637.3			
			70	53.6			
			80	49.4			
			60	22.6			
			70	22.1			
			70	19.8			
			16.6	19.5			
			90	16.0			
			80	12.3			
	25		90	10.7	Ledenitzen  Faak am See  Finkenstein  Gödersdorf (in Vsv)		
			80	7.1			
			70	7.0			
			80	5.8			
			80	5.4			
			80	5.1			
			80	5.1			
			80	5.1			
			80	5.1			
			80	5.1			
			80	5.1			
			80	5.1			
	0.34		80	5.1	Str. 222 Str. 413-16 V.S. Gvbf-Ost (in Vsv) *Vo*		80
			80	5.1			

M 4418

M 4418				Str. 222 – GSM-R – A –	Str. 413-16 – GSM-R – A –			
4	5	6	1	2	3	2a	1a	
0.40		0.34	80	5.1	<div><div>←</div><div>V.S. Gvbf-Ost</div><div>→</div><div>(in Vsv) *Vo*</div><div>Km 3.9 = Km 383.1</div><div>Km 2.5 = Km 385.9</div></div>	0.6	80	
				3.9				
			383.1					
			100				Fürnitz (in Vsv) *Fn*	386.5
							Km 387.3 = Km 0.0	
							Str. 413-15	
							V.S. Gvbf-Einfgr.	
							(in Vsv) *Ve*	2.3
							Str. 413-19	
							V.S. Gvbf-Ausfgr.	
				(in Vsv) *Va*	3.7			
				Km 5.5 = Km 383.6	5.5			
	36		Str. 413		<div><div>←</div><div>V.S. Gvbf-Auen</div><div>→</div><div>(in Vsv) *Vu*</div><div>Villach Warmbad</div></div>	382.7		
				382.7				
				381.7				
				Villach Warmbad				
				381.7				
				AB (Awanst)				
				381.2				
				379.1				
				← V. Westbf (in Vb) →				
				*Vf*				
	50	0.53	100		<div><div>←</div><div>V.-Draubücke</div><div>→</div><div>(in Vb) *Vbd*</div><div>Km 0.0 = Km 164.6</div><div>Villach Hbf (in Vb) *Vb*</div></div>	379.1		
				1.1				
			60					
				0.3				
				0.0				
				164.3				

M 4418

– GSM-R – A –							
4	5	6	1	2	3	2a	1a
M 4418			60	164.3	Villach Hbf (in Vb) *Vb*		
				164.0			
			100	163.5			
0.57							

# Muster 4419

nP

BT 432 b Vbo-Vf Bh = 70%  
437 b Vf-Js Bh = 70%

## M 4419

Vmax = 100 km/h Bhmax = 70% – GSM-R – A –							
4	5	6	1	2	3	2a	1a
M 4419		0.00	100	163.5 (in Vb) *Vbo*	Villach Hbf-Ostbf		
			95	163.6			
			60	164.0 164.3 164.6	Villach Hbf (in Vb) *Vb* Km 164.6 = Km 0.0 V.-Draubücke		
			03	0.3	(in Vb) *Vbd*		
			05	0.8			
0.07	17	0.22	100	379.1	Str. 413 ← V. Westbf (in Vb) → *Vf*	379.1	100
			381.2	AB (Awanst)	Villach Warmbad	381.7	
			381.7	Villach Warmbad			
				Str. 222 ← V.S. Gvbf-Auen (in Vsv) *Vu* →			382.7
					382.7		Km 383.6 = Km 5.5
			383.1	Km 383.1 = Km 3.9			
					Str. 222-11 V.S. Gvbf-Ausfgr. (in Vsv) *Va*	3.7	
				5.0			

## M 4419

Str. 222 – GSM-R– A –				Str. 222-11 – GSM-R– A –			
4	5	6	1	2	3	2a	1a
				5.0	V.S. Gvbf-Einfgr. (in Vsv) *Ve*  Km 0.0 = Km 387.3  Str. 413-17  Fürrnitz (in Vsv) *Fn*  Km 385.9 = Km 2.5  ← V.S. Gvbf-Ost → (in Vsv) *Vo*	2.3	100
			80				
			0.23	5.1	386.5	80	
			80	5.4	Gödersdorf (in Vsv)		
			70	5.8	Finkenstein		
			60	7.0			
			80	7.5	Faak am See		
			10.7				
			12.3	Ledenitzen			
			16.0				
			16.6	Winkl im Rosental			
			19.5	Sbl Lez 1			
			19.7	Rosenbach			
			47.8				
			49.4	PZB 1000 Hz			
52.9	– GSM-R– Ende –						
			80	53.6	Staatsgrenze n. Rosenbach		
			50	53.6	Km 53.6 = Km 637.3		
			634.6	PZB 1000 Hz			
			633.6				

M 4419						
4	5	6	1	2	3	2a 1a
0.56				633.6		Jesenice
			70			
			35	631.3 630.2		

# Muster 6290<sub>nP</sub>

BT 433 b Tbv-Ve Bh = 58%  
433 b Ve-Fn Bh = 50%

M 6290						
Vmax = 90 km/h Bhmax = 58%						
4	5	6	1	2	3	2a 1a
		0.00	90	Tarvisio Boscoverde – GSM-R – A – Staatsgrenze n. Thörl-M. Thörl-Maglarn Arnoldstein Pöckau		
				88.8		
				94.3		
				400.2		
		07		395.0		
				392.1		
				Str. 413-18		
				Str. 413		
		15	90	V.S. Gvbf-West → (in Vsv) *Vw*		
				0.0		389.7
				0.4	Neuhaus a.d.Gail (in Vsv) Neuhaus a.d.Gail (in Vsv)	389.3
				Km 1.8 = Km 1.2		
		19		Str. 413-15		
				V.S. Gvbf-Einfgr.		
				2.3	(in Vsv) *Ve*	
				3.7	(in Vsv) *Va*	
0.28		0.23		5.7	Km 5.7 = Km 385.2	
				386.5	← Fürnitz (in Vsv) *Fn* →	386.5

# Muster 6291

nP

BT 433 b Fh-Ve Bh = 51%  
433 b Ve-Tbv Bh = 57%

## M 6291

Vmax = 90 km/h Bhmax = 57% – GSM-R – A –							
4	5	6	1	2	3	2a	1a
0.07		0.00	90	386.5 385.2	Str. 413-15 ← FÜRnitz (in Vsv) *Fn* →	386.5	90
					Km 385.2 = Km 5.7 V.S. Gvbf-Ausfgr.		
					3.7 (in Vsv) *Va*		
					Str. 413-18 V.S. Gvbf-Einfgr.		
0.37		0.30	90	392.1 395.0 400.2 401.0 88.8	2.3 (in Vsv) *Ve*	389.7	
					Km 1.2 = Km 1.8 Neuhaus a.d.Gail (in Vsv)		
					Str. 413 ← V.S. Gvbf-West →		
					(in Vsv) *Vw*		
					Pöckau Arnoldstein Thörl-Maglern – GSM-R – Ende – Staatsgrenze n. Thörl-M. Tarvisio Boscoverde		

# Muster 6292

nP

BT 432 b Tbv-Ve Bh = 69%  
432 b Ve-Fn Bh = 63%

## M 6292

Vmax = 100 km/h Bhmax = 69%							
4	5	6	1	2	3	2a	1a
		0.00	100	88.8	Tarvisio Boscoverde – GSM-R – A – Staatsgrenze n. Thörl-M. Thörl-Maglern Arnoldstein Pöckau		
					94.3 400.2 395.0 392.1		
					Str. 413-18 ← V.S. Gvbf-West →		
					(in Vsv) *Vw*		
0.26		0.21	100	0.0 0.4	Neuhaus a.d.Gail (in Vsv) Km 1.8 = Km 1.2 Str. 413-15 V.S. Gvbf-Einfgr. (in Vsv) *Ve*	389.7	100
					Neuhaus a.d.Gail (in Vsv) Km 5.7 = Km 385.2 ← FÜRnitz (in Vsv) *Fn* →		
					2.3 (in Vsv) *Va*		
					3.7 (in Vsv) *Va*		
					5.7 386.5	389.3	



# Muster 6293

nP

BT 432 b Fn-Ve Bh = 65%  
432 b Ve-Tbv Bh = 65%

## M 6293

Vmax = 100 km/h Bhmax = 65% - GSM-R- A -						
4	5	6	1	2	3	2a 1a
0.06		0.00	100	386.5	Str. 413-15	Str. 413
				385.2	Fürnitz (in Vsv) *Fn* →	386.5
				3.7	Km 385.2 = Km 5.7	
				3.7	V.S. Gvbf-Ausfgr. (in Vsv) *Va*	100
0.33	22 0.27		100	2.3	Str. 413-18	
				2.3	V.S. Gvbf-Einfgr. (in Vsv) *Ve*	
					Neuhaus a.d.Gail (in Vsv)	389.3
				0.4	Km 1.2 = Km 1.8 Neuhaus a.d.Gail (in Vsv)	
		18		389.7	Str. 413	
					V.S. Gvbf-West →	389.7
					(in Vsv) *Vw*	
			100	392.1	Pöckau	
				395.0	Arnoldstein	
				400.2	Thörl-Maglern	
				401.0	- GSM-R- Ende - Staatsgrenze n. Thörl-M.	
				88.8	Tarvisio	
					Boscoverde	

# Muster 6294

nP

BT 433 b Tbv-Fn Bh = 58%  
437 b Fn-Vo Bh = 70%  
438 a Vo-Js Bh = 65%

## M 6294

Vmax = 90 km/h Bhmax = 70%						
4	5	6	1	2	3	4 5 6
0.11		0.00	90	88.8	Tarvisio	
					Boscoverde	
					- GSM-R- A -	
				94.3	Staatsgrenze n. Thörl-M.	
		07		400.2	Thörl-Maglern	
				395.0	Arnoldstein	
				392.1	Pöckau	
				389.7	V.S. Gvbf-West (in Vsv) *Vw*	
		27		389.3	Neuhaus a.d.Gail (in Vsv)	
				386.5	Fürnitz (in Vsv) *Fn*	
					Km 385.9 = Km 2.5	
					V.S. Gvbf-Ost (in Vsv) *Vo*	
		33	80	5.1	Gödersdorf (in Vsv)	
				5.4	Finkenstein	
				5.8		
				7.0		
39		40	80	7.5	Faak am See	
				10.7		
				12.3	Ledenitzen	
				16.0		
0.47		0.48	90	16.6		
				19.5	Winkl im Rosental	
			70			

M 6294						– <u>GSM-R– A</u> –			
4	5	6	1	2	3	4	5	6	
0.56	1.02		70	19.5	Winkl im Rosental Sbl Lez 1 <b>Rosenbach</b>  PZB 1000 Hz  – <u>GSM-R– Ende</u> – Staatsgrenze n. Rosenbach Km 53.6 = Km 637.3 PZB 1000 Hz				
			80	19.7					
				47.8					
				49.4					
			1.21						
70	53.6								
	634.6								
	633.6								
					35	631.3	Jesenice		
				630.2					

Muster 6295<sub>nP</sub>  
BT 438 a Js-Fn Bh = 58%  
433 b Fn-Tbv Bh = 51%

M 6295			Vmax = 90 km/h Bhmax = 58%		
4	5	6	1	2	3
0.19	30	0.00	35	630.2	Jesenice
			70	631.3	
			50	633.6	
			80	637.3	Km 637.3 = Km 53.6 – <u>GSM-R– A</u> –
			70	53.6	Staatsgrenze n. Rosenbach
			49.4		
			60	22.6	Rosenbach
			70	22.1	
			19.8	Sbl Lez 1	
		39	50		19.5
16.6	Ledenitzen				
90	16.0				
12.3	Faak am See				
80	10.7				
0.56	1.00		7.1		
			7.0	Finkenstein	
			5.8		
		80	5.4	Gödersdorf (in Vsv)	
		0.6	V.S. Gvbf-Ost (in Vsv) *Vo*		
	1.06			Km 2.5 = Km 385.9	

M 6295						– GSM-R – A –			
4	5	6	1	2	3	4	5	6	
1.16	1.09	11	80	386.5	Km 2.5 = Km 385.9 <b>Fürnitz</b> (in Vsv) *Fn*				
			90	389.3	Neuhaus a.d.Gail (in Vsv)				
				389.7	<b>V.S. Gvbf-West</b> (in Vsv) *Vw*				
				392.1	Pöckau				
1.34	1.27			395.0	<b>Arnoldstein</b>				
				400.2	<b>Thörl-Maglern</b>				
					– <u>GSM-R – Ende</u> –				
				401.0	Staatsgrenze n. Thörl-M.				
					<b>Tarvisio</b>				
				88.8	<b>Boscoverde</b>				

# Muster 6298

nP

BT 432 b Tbv-Vbo

# M 6298

M 6298								Vmax = 100 km/h Bhmax = 69%			
4	5	6	1	2	3	2a	1a				
		0.00	100	88.8	<b>Tarvisio</b> <b>Boscoverde</b> – <u>GSM-R– A</u> –  Staatsgrenze n. Thörl-M. <b>Thörl-Maglern</b> <b>Arnoldstein</b>  Pöckau						
				94.3							
				400.2							
				395.0							
				392.1							
	14		100	0.0	<b>Str. 413-18</b> ← <b>V.S. Gvbf-West</b> → (in Vsv) *Vw*	<b>Str. 413</b> →	100				
				0.4							
				Neuhaus a.d.Gail (in Vsv)							
				Neuhaus a.d.Gail (in Vsv)							
				<b>Fürnitz</b> (in Vsv) *Fn*							
0.18		28		Km 1.8 = Km 1.2	<b>Villach Süd Gvbf</b> (in Vsv) *Vsv*		384.0				
				<b>Str. 413-19</b>							
				<b>V.S. Gvbf-Einfgr.</b> (in Vsv) *Ve*							
				<b>V.S. Gvbf-Ausfgr.</b> (in Vsv) *Va*							
				5.5							
0.33		1.00		Km 5.5 = Km 383.6	<b>Str. 413-14</b> ← <b>V.S. Gvbf-Auen</b> → (in Vsv) *Vu*	<b>Str. 413</b> →	382.7				
				<b>Str. 413</b>							
				<b>V.S. Gvbf-Auen</b>							

M 6298				Str. 413 – GSM-R – A –				Str. 413-14 – GSM-R – A –			
4	5	6	1	2	3	2a	1a				
		1.05	100	382.7	← V.S. Gvbf-Auen → (in Vsv) *Vu*	382.7	100				
				381.7	Villach Warmbad	381.7	08				
				381.2	AB (Awanst)						
				379.1	← V. Westbf → (in Vb) *Vf*	379.1					
1.15		10	100	1.1	V.-Draubrücke		1.13				
				0.3	(in Vb) *Vbd*						
				0.0	Km 0.0 = Km 164.6						
				164.3	Villach Hbf (in Vb) *Vb*						
			100	164.0	Villach Hbf-Ostbf						
				163.5	(in Vb) *Vbo*						

# Muster 6299

BT 432 b Vbo-Tbv

# M 6299

4	5	6	1	2	3	2a	1a	Vmax = 100 km/h BHmax = 65% – GSM-R – A –			
		0.00	100	163.5	Villach Hbf-Ostbf (in Vb) *Vbo*						
				163.6							
			95	164.0							
			60	164.3							
		03		164.6	Villach Hbf (in Vb) *Vb* Km 164.6 = Km 0.0 V.-Draubrücke (in Vb) *Vbd*						
				0.3							
				0.8							
		06	100	379.1	Str. 413 ← V. Westbf (in Vb) → *Vf*	Str. 413-14					
				380.7							
			95	381.2							
			381.7								
		10	100	381.7	AB (Awanst) Villach Warmbad Villach Warmbad Str. 413-19 ← V.S. Gvbf-Auen → (in Vsv) *Vu*						
				382.7							
		11		382.7	Villach Süd Gvbf (in Vsv) *Vsv* Km 383.6 = Km 5.5 V.S. Gvbf-Ausfgr. (in Vsv) *Va* Fürnitz (in Vsv) *Fn*						
				384.0							
		0.13		386.5							

M 6299				Str. 413 – GSM-R – A –				Str. 413-19 – GSM-R – A –			
4	5	6	1	2	3	2a	1a				
		0.13	100	386.5	Fürnitz (in Vsv) *Fn*  V.S. Gvbf-Einfgr. (in Vsv) *Ve*  Km 1.2 = Km 1.8	2.3	100				
				389.3	Neuhaus a.d.Gail (in Vsv)						
		15		389.7	Neuhaus a.d.Gail (in Vsv) ← V.S. Gvbf-West (in Vsv) *Vw* →	0.4 389.7					
			100	392.1	Pöckau						
		19		395.0	Arnoldstein						
		0.24		400.2	Thörl-Maglern						
				401.0	– GSM-R – Ende – Staatsgrenze n. Thörl-M.						
0.31				88.8	Tarvisio Boscoverde						

M 6310				Str. 413 – GSM-R – A –				Str. 413-14 – GSM-R – A –			
4	5	6	1	2	3	2a	1a				
			90	3.7	V.S. Gvbf-Ausfgr. (in Vsv) *Va*						
		0.00		5.5	Km 5.5 = Km 383.6						
			90	382.7	Str. 413 ← V.S. Gvbf-Auen (in Vsv) *Vu* →	382.7	90				
				381.7	Villach Warmbad						
				381.2	AB (Awanst)	381.7					
				379.1	Str. 413-14 ← V. Westbf (in Vb) *Vt* →	379.1					
			60	378.3	V.-Draubücke (in Vb) *Vbd*						
		10		0.9	Km 378.3 = Km 0.9						
			50		Km 0.0 = Km 165.6						
		13		166.5	Abzw Gu 2						
			90	169.0	Sbl Gu 1						
				171.4	AB (Awanst)						
				171.9							
		0.18	80	172.8	Gummern						
				174.0	Puch						

BT 433 b Va-Vf Bh = 52%  
438 a Vf-Stt Bh = 46%  
631 b Stt-Sc Bh = 68%

M 6310							– GSM-R – A –			
4	5	6	1	2	3		2a	1a		
0.38		48	80	174.0	Puch	0.25				
			174.5							
			90	177.4	Sbl Pf 1					
				177.7	Weißenst.-K.					
				178.7	AB (Awanst)					
				183.2	<b>Paternion-Feistr.</b>					
				185.7	Markt Paternion					
				187.0	Ferndorf					
				187.1	Sbl Ro 1					
				188.1	AB (Awanst)					
		31		190.0	Schutzstrecke	31				
				191.7	<b>Rothenthurn</b>					
				196.2	Sbl Stt 1					
				198.4	GPE					
			80	198.7						
				199.4						
			70							
				200.1						
			90							
				80.9	<b>Spittal-Millst.</b>					
0.59		56	100	77.9	Sbl Uz 1	0.59				
				75.1	Km 75.1 = Km 75.0					
				206.5	Abzwzw Str. 40701 (in Uz)					
				206.7	– ZF A – 61 –					
				206.8	Lenddorf					
				210.0						
			90	210.6	<b>Möllbrücke-S.</b>					

M 6310							– ZF A – 61 –			
4	5	6	1	2	3		2a	1a		
		0.59	90	210.6	<b>Möllbrücke-S.</b>	14				
			213.0							
			100	213.1	Markt Sachsenburg					
				213.2	AB (Awanst)					
				219.6	<b>Kleblach-Lind</b>					
				226.5	<b>Steinfeld i.D.</b>					
			90							
				227.0	<b>Greifenburg-W.</b>					
			100	232.1						
				234.3	Schutzstrecke					
		20		236.1	GPE	20				
				236.3						
			90	237.4	Berg i.Drautal					
				237.8						
			100	241.8	<b>Dellach i.D.</b>					
				246.6	Irschen					
				248.8						
			80	249.9	<b>Oberdrauburg</b>					
				250.3						
			100	257.0	Nikolsdorf					
		34		263.2	<b>Dölsach</b>	34				
				265.3	AB (Awanst)					
				265.4	AB (Awanst)					
				266.1	AB (Awanst)					
				266.2	AB (Awanst)					
				266.7	Lienz-Peggetz					
				268.4	<b>Lienz</b> C-14					
				268.7	GPE					
				268.8						

M 6310							
– ZF A – 61 –							
4	5	6	1	2	3	2a	1a
2.21	2.31	14		268.8	Abfaltersbach		
			70				
				269.3			
			100	271.7		GPE	
				271.8			
			70				
				276.9		Thal	
			80	278.3			
				279.1			
			70				
2.46				280.2	Sillian		
			80	280.3		AB (Awanst)	
				284.5		Mittewald a.d.D.	
				285.4			
			70	291.5			
				294.0		Schutzstrecke	
				295.4		Tassenbach	
				295.7		AB (Awanst)	
				296.0			
			80	298.6			
				298.7	San Candido/ Innichen		
			70				
				301.4		Weitlanbrunn	
				302.2		AB (Awanst)	
				303.0		Staatsgrenze n. Sillian	
				71.7		Prato a.D./Winneb.	
				68.9		Versciaco/Viersch.	
				64.5			

# Muster 6311

nP

BT 631 b Sc-Stt  
437 b Stt-Gu Z2  
438 a Gu Z2-Vf  
433 b Vf-Ve

Bh = 68%  
Bh = 63%  
Bh = 51%  
Bh = 53%

# M 6311

Vmax = 100 km/h  
Bhmax = 68%  
– ZF A – 61 –

4	5	6	1	2	3	2a	1a
0.14	0.00	24	70		San Candido/ Innichen		
				64.5			
				68.9		Versciaco/Viersch.	
				71.7		Prato a.D./Winneb.	
				303.0		Staatsgrenze n. Sillian	
				302.2		AB (Awanst)	
				301.4		Weitlanbrunn	
			80	298.7		Sillian	
				298.6			
			70	296.0		AB (Awanst)	
31	0.42	31	70		Abfaltersbach		
				295.7		Tassenbach	
				295.4		Schutzstrecke	
				293.9			
				291.5			
				285.4			
			80	284.5		Mittewald a.d.D.	
				280.3		AB (Awanst)	
				280.2			
			70				
				279.1	Thal		
			80	278.3			
				276.9			
			70				
				271.8			
			100	269.4		GPE	

M 6311							– ZF A – 61 –			
4	5	6	1	2	3		2a	1a		
0.51		1.00	100	269.4	GPE					
				269.3						
			70							
				268.8						
			100	268.4	Lienz C-14					
				266.7	Lienz-Peggetz					
				266.2	AB (Awanst)					
				266.1	AB (Awanst)					
				265.4	AB (Awanst)					
				265.3	AB (Awanst)					
06			Dölsach							
				263.2						
				257.0	Nikolsdorf					
				250.6	GPE					
				250.3						
14			80	249.9	Oberdrauburg					
				248.8						
			100	246.6	Irschen					
20				241.8	Dellach i.D.					
				237.8						
			90	237.4	Berg i.Drautal					
				236.3						
			100	234.4	Schutzstrecke					
				232.1						
				227.0	Greifenburg-W.					
26										
			90							
				226.5	Steinfeld i.D.					
30				219.6	Kleblach-Lind					
			100	213.2	AB (Awanst)					
				213.1	Markt Sachsenburg					
1.34										

M 6311							– ZF A – 61 –			
4	5	6	1	2	3		2a	1a		
1.48			100	213.1	Markt Sachsenburg					
				213.0	Möllbrücke-S.					
			90	210.6						
				210.0						
			100	206.8	Lendorf					
				206.7	– GSM-R – A –					
				74.4	Abzww Str. 40701 (in Uz)					
				75.0	Km 75.0 = Km 75.1					
				77.7	Sbl Uz 1					
				80.8	GPE					
2.00				200.1	Spittal-Millst.					
			70							
				199.4						
			80							
				198.7						
			100	196.3	Sbl Stt 1					
				191.7	Rothenthurn					
09				190.1	Schutzstrecke					
				188.1	AB (Awanst)					
				187.2	Sbl Ro 1					
				187.0	Ferndorf					
				185.7	Markt Paternion					
				183.2	Paternion-Feistr.					
				178.7	AB (Awanst)					
				177.7	Weißent.-K.					
				177.5	Sbl Pf 1					
				174.5						
2.14			80	174.0	Puch					



M 6311							
– GSM-R – A –							
4	5	6	1	2	3	2a	1a
2.21			80	174.0	Puch <b>Gummern</b>		
				172.8			
			100	171.9			
				171.4			
				169.2			
26			90	168.8	Sbl Gu 1		
29				166.5	Abzw Gu 2		
			50	165.6	Km 165.6 = Km 0.0		
				0.9	Km 0.9 = Km 378.3		
				378.3	<b>V-Draubücke</b> (in Vb) *Vbd*		
			60	378.5			
				378.9			
31			90		<b>Str. 413</b> ← <b>V. Westbf</b> (in Vb) → *Vf*		90
				379.1			
				381.2	AB (Awanst)		
				381.7	Villach Warmbad		
35					Villach Warmbad		
					<b>Str. 413-19</b> ← <b>V.S. Gvbf-Auen</b> → (in Vsv) *Vu*		
				382.7			
2.36					Km 383.6 = Km 5.5		
					<b>Villach Süd Gvbf</b> (in Vsv) *Vsv*		
				384.0	<b>V.S. Gvbf-Ausfgr.</b> (in Vsv) *Va*		3.7

M 6311							
Str. 413 – GSM-R – A –							
4	5	6	1	2	3	2a	1a
2.44		2.39	90		<b>V.S. Gvbf-Ausfgr.</b> (in Vsv) *Va*	3.7	90
				386.5	<b>Str. 413-17</b> <b>Fürnitz</b> (in Vsv) *Fn*		
				387.3	Km 387.3 = Km 0.0		
				2.3	← <b>V.S. Gvbf-Einfgr.</b> → (in Vsv) *Ve*		

# Muster 6312

nP

BT 432 b Va-Vf  
438 a Vf-Gu Z2  
437 b Gu Z2-Stt  
631 b Stt-Sc

Bh = 66%  
Bh = 28%  
Bh = 59%  
Bh = 68%

## M 6312

Vmax = 100 km/h Bhmax = 68% – GSM-R – A –							1	2	3	2a	1a
4	5	6					100	3.7 (in Vsv) *Va*	V.S. Gvbf-Ausfgr.		
		0.00					5.5	Km 5.5 = Km 383.6			
							100	382.7 (in Vsv) *Vu*	Str. 413 V.S. Gvbf-Auen →	Str. 413-14	100
		05					381.7	Villach Warmbad			
							381.2	AB (Awanst)	Villach Warmbad		
							379.1	Str. 413-14 V. Westbf (in Vb) →			
		08						*V/f*			
							60		V.-Draubücke		
		10					378.3	(in Vb) *Vbd*			
							50	0.9	Km 378.3 = Km 0.9		
									Km 0.0 = Km 165.6		
		0.13					166.5	Abzw Gu 2			
							90				
							168.8				
							100	169.0	Sbl Gu 1		
								171.4	AB (Awanst)		
							171.9				

## M 6312

– GSM-R – A –							1	2	3	2a	1a
4	5	6						171.9			
		0.17					80	172.8	Gummern		
								174.0	Puch		
							174.5				
							100	177.4	Sbl Pf 1		
								177.7	Weißerst.-K.		
								178.7	AB (Awanst)		
		24						183.2	Paternion-Feistr.		
								185.7	Markt Paternion		
								187.0	Ferndorf		
								187.1	Sbl Ro 1		
								188.1	AB (Awanst)		
								190.0	Schutzstrecke		
		30						191.7	Rothenthurn		
								196.2	Sbl Stt 1		
								198.4	GPE		
							80	198.7			
							70	199.4			
								200.1			
		47					100	80.9	Spittal-Millst.		
								77.9	Sbl Uz 1		
								75.1	Km 75.1 = Km 75.0		
		54						206.5	Abzw Str. 40701 (in Uz)		
								206.7	– ZF A – 61 –		
								206.8	Lendorf		
							90	210.0	Möllbrücke-S.		
		0.57						210.6			

0.37

M 6312							– ZF A – 61 –							
4	5	6	1	2	3	2a	1a							
1.37		0.57	90	210.6	Möllbrücke-S.									
				213.0										
			100	213.1										
		1.03		213.2	Markt Sachsenburg									
				219.6	AB (Awanst)									
				226.5	Kleblach-Lind									
		08			Steinfeld i.D.									
		12	90		Greifenburg-W.									
				227.0										
			100	232.1										
				234.3	Schutzstrecke									
				236.1	GPE									
				236.3	Berg i.Drautal									
		18	90	237.4										
				237.8										
100	241.8		Dellach i.D.											
24		246.6	Irschen											
		248.8	Oberdrauburg											
	80	249.9												
33		250.3												
	100	257.0	Nikolsdorf											
		263.2	Dölsach											
		265.3	AB (Awanst)											
		265.4	AB (Awanst)											
		266.1	AB (Awanst)											
		266.2	AB (Awanst)											
		266.7	Lienz-Peggetz											
1.47			268.4						Lienz C-14					
			268.7						GPE					
			268.8											

M 6312							– ZF A – 61 –		
4	5	6	1	2	3	2a	1a		
2.18				268.8					
			70						
				269.3					
			100	271.7					
				271.8					GPE
			70						
				276.9					Thal
			80	278.3					
				279.1					
			70						
2.11				280.2					
			80	280.3					
				284.5					
				285.4					AB (Awanst)
									Mittewald a.d.D.
			70	291.5					Abfaltersbach
				294.0					Schutzstrecke
				295.4					Tassenbach
				295.7					AB (Awanst)
				296.0					Sillian
80	298.6								
	298.7								
70	301.4	Weitanbrunn							
2.42				302.2					
				303.0					AB (Awanst)
									Staatsgrenze n. Sillian
				71.7					Prato a.D./Winneb.
				68.9					Versciaco/Viersch.
									San Candido/
									Innichen
				64.5					

# Muster 6314<sub>nP</sub>

BT 437 b V<sub>bo</sub>-V<sub>b</sub> Bh = 48%  
438 a V<sub>b</sub>-Stt Bh = 64%  
631 b Stt-Sc Bh = 68%

M 6314						
4	5	6	1	2	3	4
0.03	0.00	08	80	163.5	Villach Hbf-Ostbf (in V <sub>b</sub> ) *V <sub>bo</sub> *	0.03
			60	164.3	Villach Hbf (in V <sub>b</sub> ) *V <sub>b</sub> *	
			90	164.5	Abzw Gu 2	
				166.5	Sbl Gu 1	
				169.0	AB (Awanst)	
				171.4		
				171.9		
			80	172.8	Gummern	
				174.0	Puch	
				174.5		
25			90	177.4	Sbl Pf 1	
				177.7	Weißerst.-K.	
				178.7	AB (Awanst)	
				183.2	Paternion-Feistr.	
				185.7	Markt Paternion	
				187.0	Ferndorf	
				187.1	Sbl Ro 1	
				188.1	AB (Awanst)	
				190.0	Schutzstrecke	
				191.7	Rothenthurn	
0.31				196.2	Sbl Stt 1	
				198.4	GPE	
				198.7		

# M 6314

– GSM-R – A –							
4	5	6	1	2	3	4	
M 6314	0.38	0.48		198.7	Spittal-Millst. Sbl Uz 1 Km 75.1 = Km 75.0 Abzww Str. 40701 (in Uz) – ZF A – 61 – Lendorf		
			80				
			70	199.4			
			90	200.1			
			100	80.9			
				77.9			
				75.1			
				206.5			
				206.7			
				206.8			
	59		90	210.6	Möllbrücke-S.  Markt Sachsenburg AB (Awanst) Kleblach-Lind Steinfeld i.D.		
			100	213.0			
				213.1			
				213.2			
				219.6			
			90	226.5			
				227.0			
			100	232.1			Greifenburg-W.  Schutzstrecke GPE
				234.3			
				236.1			
		13	90	236.3	Berg i.Drautal  Dellach i.D. Irschen		
				237.4			
			237.8				
			100	241.8			
		1.19		246.6			

M 6314						– ZF A – 61 –						
4	5	6	1	2	3	4	5	6				
1.39			100	246.6	Irschen							
				248.8	Oberdrauburg							
		1.25	80	249.9								
				250.3								
			100	257.0	Nikolsdorf							
		34			Dölsach							
				263.2								
				265.3	AB (Awanst)							
				265.4	AB (Awanst)							
				266.1	AB (Awanst)							
1.39				266.2	AB (Awanst)							
				266.7	Lienz-Peggetz							
					Lienz C-14							
				268.4								
				268.7	GPE							
				268.8								
			70									
				269.3								
			100	271.7	GPE							
				271.8								
2.00			70									
				276.9	Thal							
			80	278.3								
				279.1								
			70									
				280.2	AB (Awanst)							
			80	280.3								
				284.5								
				285.4	Mittewald a.d.D.							
				291.5	Abfalterbach							
	2.12	70	294.0	Schutzstrecke								

M 6314						– ZF A – 61 –					
4	5	6	1	2	3	4	5	6			
2.19			70	294.0	Schutzstrecke						
				295.4	Tassenbach						
				295.7	AB (Awanst)						
				296.0	Sillian						
			80	298.6							
				298.7							
			70	301.4	Weitanbrunn						
				302.2	AB (Awanst)						
				303.0	Staatsgrenze n. Sillian						
				71.7	Prato a.D./Winneb.						
2.43				68.9	Versciaco/Viersch.						
					San Candido/Innichen						
				64.5							

# Muster 6315<sub>nP</sub>

BT 631 b Sc-Stt Bh = 68%  
437 b Stt-Vb Bh = 63%  
437 b Vb-Vbo Bh = 53%

M 6315						
4	5	6	1	2	3	4
Vmax = 100 km/h Bhmax = 68% - ZF A - 61 -						
0.14	0.00		70	64.5	San Candido/ Innichen	
				68.9	Versciaco/Viersch.	
				71.7	Prato a.D./Winneb.	
				303.0	Staatsgrenze n. Sillian	
				302.2	AB (Awanst)	
	24			301.4	Weitlanbrunn	
			298.7			
			80	298.6	Sillian	
			296.0			
			70	295.7	AB (Awanst)	
32				295.4	Tassenbach	
				293.9	Schutzstrecke	
				291.5	Abfaltersbach	
			285.4			
			80	284.5	Mittewald a.d.D.	
	0.43			280.3	AB (Awanst)	
			280.2			
			70			
			279.1		Thal	
			80	278.3		
				276.9		
			70			
			271.8			
			100	269.4	GPE	

# M 6315

4	5	6	1	2	3	4	5	6
- ZF A - 61 -								
0.52		1.02	100	269.4	GPE			
			70	269.3				
			268.8					
			100	268.4	Lienz C-14			
				266.7	Lienz-Peggetz			
	08			266.2	AB (Awanst)			
				266.1	AB (Awanst)			
				265.4	AB (Awanst)			
				265.3	AB (Awanst)			
				263.2	Dölsach			
17				257.0	Nikolsdorf			
				250.6	GPE			
			250.3					
			80	249.9	Oberdrauburg			
			248.8					
	23		100	246.6	Irschen			
				241.8	Dellach i.D.			
			237.8					
			90	237.4	Berg i.Drautal			
			236.3					
29			100	234.4	Schutzstrecke			
				232.1	Greifenburg-W.			
			227.0					
			90					
			226.5		Steinfeld i.D.			
	1.37		100	219.6	Kleblach-Lind			
				213.2	AB (Awanst)			
			213.1		Markt Sachsenburg			

M 6315						– ZF A – 61 –					
4	5	6	1	2	3	4	5	6			
1.51			100	213.1	Markt Sachsenburg						
				213.0	Möllbrücke-S.						
		1.42	90	210.6							
				210.0							
			100	206.8	Lendorf						
				206.7	– GSM-R – A –						
				74.4	Abzww Str. 40701 (in Uz)						
		45		75.0	Km 75.0 = Km 75.1						
				77.7	Sbl Uz 1						
				80.8	GPE						
		2.01		200.1	Spittal-Millst.						
10			70								
				199.4							
			80								
				198.7							
			100	196.3	Sbl Stt 1						
				191.7	Rothenthurn						
				190.1	Schutzstrecke						
				188.1	AB (Awanst)						
				187.2	Sbl Ro 1						
				187.0	Ferndorf						
2.15				185.7	Markt Paternion						
				183.2	Paternion-Feistr.						
				178.7	AB (Awanst)						
				177.7	Weißerst.-K.						
				177.5	Sbl Pf 1						
				174.5							
			80	174.0	Puch						

M 6315						– GSM-R – A –					
4	5	6	1	2	3	4	5	6			
2.29			80	174.0	Puch						
				172.8	Gummern						
		2.22		171.9							
			100	171.4	AB (Awanst)						
				169.2	Sbl Gu 1						
				168.8							
			90	166.5	Abzw Gu 2						
		26		164.3	Villach Hbf						
		2.34			(in Vb) *Vb*						
			80	376.8	Villach Hbf-Ostbf						
					(in Vb) *Vbo*						

2.29

2.37

# Muster 6320

nP

BT 433 b Va-Vf Bh = 52%  
438 a Vf-Stt Bh = 46%  
632 b Stt-Sc Bh = 68%

M 6320						
4	5	6	1	2	3	2a 1a
Vmax = 90 km/h Bhmax = 68% - GSM-R-A -						
		0.00	90	3.7 (in Vsv) *Va*	V.S. Gvbf-Ausfgr.	
				5.5 Km 5.5 = Km 383.6		
		05	90	382.7 (in Vsv) *Vu*	Str. 413 V.S. Gvbf-Auen	90
				381.7 Villach Warmbad		382.7
				381.2 AB (Awanst)	Villach Warmbad	381.7
		08		379.1 (in Vb) *Vf*	Str. 413-14 V. Westbf	379.1
			60			
		10		378.3 (in Vb) *Vbd*	V.-Draubrücke	
			50	0.9 Km 378.3 = Km 0.9		
		13		166.5 Km 0.0 = Km 165.6		
			90	169.0 Abzw Gu 2		
				171.4 Sbl Gu 1		
				171.9 AB (Awanst)		
		0.18	80	172.8 Puch	Gummern	
				174.0		

# M 6320

- GSM-R-A -

4	5	6	1	2	3	2a 1a
- GSM-R-A -						
			80	174.0 Puch		
			90	174.5 Sbl Pf 1		
				177.4 Weissenst.-K.		
				177.7 AB (Awanst)		
		0.26		178.7 Paternion-Feistr.		
				183.2 Markt Paternion		
				185.7 Ferndorf		
				187.0 Sbl Ro 1		
				187.1 AB (Awanst)		
				188.1 Schutzstrecke		
		32		190.0 Rothenthurn		
				191.7 Sbl Stt 1		
				196.2 GPE		
			80	198.4		
			70	198.7		
				199.4		
				200.1		
	0.39	49	90	80.9 Sbl Uz 1	Spittal-Millst.	
				77.9 Km 75.1 = Km 75.0		
		57		75.1 Abzww Str. 40701 (in Uz)		
				206.5 - ZF A - 61 -		
				206.7 Lendorf		
		1.00		206.8 Möllbrücke-S.		
				210.6 Markt Sachsenburg		
				213.1 AB (Awanst)		
				213.2		



M 6320								– ZF A – 61 –			
4	5	6	1	2	3	2a	1a				
1.42		1.06	90	213.2	AB (Awanst)						
				219.6	Kleblach-Lind						
				226.5	Steinfeld i.D.						
			80	232.1	Greifenburg-W.						
				234.3	Schutzstrecke						
		21		248.8	236.1			GPE			
					237.4			Berg i.Drautal			
					241.8			Dellach i.D.			
		28		90	246.6			Irschen			
					249.9			Oberdrauburg			
					250.3						
		37		70	257.0			Nikolsdorf			
					263.2			Dölsach			
					265.3			AB (Awanst)			
					265.4			AB (Awanst)			
	52		70	266.1	AB (Awanst)						
				266.2	AB (Awanst)						
				266.7	Lienz-Peggetz						
				268.4	Lienz C-14						
				268.7	GPE						
				268.8							
				269.3							
				271.7	GPE						
				271.8							
				276.9	Thal						
	2.03		80	278.3							
				279.1							

M 6320							– ZF A – 61 –		
4	5	6	1	2	3	2a	1a		
2.34		2.15		279.1					
			70						
			280.2						
			80						
			280.3						
			284.5						
			285.4						
			70						
			291.5						
			294.0						
			295.4						
			295.7						
			296.0						
			80						
			298.6						
298.7									
70									
301.4									
302.2									
303.0									
71.7									
68.9									
64.5									

# Muster 6321

nP

BT 432 b Vbo-Ve

## M 6321

Vmax = 100 km/h Bhmax = 65% – GSM-R – A –							
4	5	6	1	2	3	2a	1a
		0.00	100	163.5 (in Vb) *Vbo*	Villach Hbf-Ostbf		
			95	163.6			
			60	164.0 164.3 164.6			
				0.3			
				0.8			
		0.03			Villach Hbf Km 164.6 = Km 0.0 V-Draubücke (in Vb) *Vbd*		
		0.05					
		0.07	100	379.1	Str. 413 ← V. Westbf (in Vb) → *Vf*	Str. 413-14	100
			95	380.7	Villach Warmbad Villach Warmbad Str. 413-19 Str. 413 ← V.S. Gvbf-Auen → (in Vsv) *Vu*	379.1	
				381.2			
			100	381.7			
		0.11		382.7	Villach Süd Gvbf (in Vsv) *Vsv*	381.7	
					Km 383.6 = Km 5.5 Fürnitz (in Vsv) *Fn*	382.7	
						384.0	

## M 6321

Str. 413-19 – GSM-R – A –							
4	5	6	1	2	3	2a	1a
		0.15	100		Fürnitz (in Vsv) *Fn* V.S. Gvbf-Ausfgr. (in Vsv) *Va*	386.5	100
				3.7			
		0.20			Km 387.3 = Km 0.0 V.S. Gvbf-Einfgr. → (in Vsv) *Ve*	387.3	
				2.3			
		0.25				2.3	

# Muster 6322

BT 432 b Va-Vbo

M 6322

Vmax = 100 km/h Bhmax = 66% - GSM-R- A -						
4	5	6	1	2	3	2a 1a
		0.00	100	3.7 (in Vsv) *Va*	V.S. Gvbf-Ausfgr.	
				5.5 Km 5.5 = Km 383.6		
		05	100	382.7 (in Vsv) *Vu*	Str. 413 V.S. Gvbf-Auen	100
				381.7 Villach Warmbad	Villach Warmbad	
		08		381.2 AB (Awanst)	V. Westbf (in Vb)	
				379.1 *Vf*		379.1
			100	1.1 (in Vb) *Vbd*	V.-Draubrücke	
	0.10		60	0.3 Km 0.0 = Km 164.6		
				0.0 164.3 (in Vb) *Vb*	Villach Hbf	
			100	164.0 (in Vb) *Vbo*	Villach Hbf-Ostbf	
0.14				163.5		

# Muster 6323

BT 437 b Vba-Vbo

432 b Vbo-Ve

432 b Ve-Va

Bh = 48%

Bh = 65%

Bh = 48%

M 6323

Vmax = 100 km/h Bhmax = 65% - GSM-R- A -						
4	5	6	1	2	3	2a 1a
		0.00	80	376.2 (in Vb) *Vba*	V.-Autoverladest.	
		02	100	163.5 (in Vb) *Vbo*	Villach Hbf-Ostbf	
			95	163.6		
		04	60	164.0 164.3 164.6 Km 164.6 = Km 0.0	Villach Hbf (in Vb) *Vb*	
		06		0.3 (in Vb) *Vbd*	V.-Draubrücke	
				0.8		
		08	100	379.1 *Vf*	Str. 413 V. Westbf (in Vb)	100
			95	380.7 381.2 AB (Awanst)		
			100	381.7 Villach Warmbad	Villach Warmbad	381.7
		0.12		382.7 (in Vsv) *Vu*	Str. 413-19 V.S. Gvbf-Auen	382.7
					Km 383.6 = Km 5.5	

M 6323				Str. 413 – GSM-R – A –		Str. 413-19 – GSM-R – A –	
4	5	6	1	2	3	2a	1a
			100		Km 383.6 = Km 5.5 Villach Süd Gvbf (in Vsv) *Vsv*		100
		0.13		384.0	V.S. Gvbf-Ausfgr. (in Vsv) *Va*	3.7	
				386.5	Str. 413-17 Fürnitz (in Vsv) *Fn*		
		15		387.3	Km 387.3 = Km 0.0 Str. 413-19 ← V.S. Gvbf-Einfgr. → (in Vsv) *Ve*		
0.19		0.24		2.3		2.3	
0.29			100	3.7	V.S. Gvbf-Ausfgr. (in Vsv) *Va*		

M 6324				Vmax = 90 km/h Bhmax = 52% – GSM-R – A –			
4	5	6	1	2	3	2a	1a
			90	3.7	V.S. Gvbf-Ausfgr. (in Vsv) *Va*		
		0.00		5.5	Km 5.5 = Km 383.6 Str. 413-14 ← V.S. Gvbf-Auen → (in Vsv) *Vu*	Str. 413	90
			90	382.7	Villach Warmbad		382.7
				381.7	Villach Warmbad		381.7
					Villach Warmbad AB (Awanst)		381.2
					Str. 413 ← V. Westbf (in Vb) → *Vf*		379.1
			90	379.1			
			60	1.1	V.-Draubrücke (in Vb) *Vbd*		
				0.3	Km 0.0 = Km 164.6 Villach Hbf (in Vb) *Vb*		
				0.0			
				164.3			
			90	164.0	Villach Hbf-Ostbf (in Vb) *Vbo*		
				163.5			
0.17							

# Muster 6325

nP

BT 433 b Vbo-Ve

M 6325

Vmax = 90 km/h Bhmax = 58% – GSM-R – A –						
4	5	6	1	2	3	2a 1a
0.00		0.00	90	Villach Hbf-Ostbf		
				163.5 (in Vb) *Vbo*		
			60	164.0		
				164.3 (in Vb) *Vb*		
0.03			60	Villach Hbf (in Vb) *Vb*		
				Km 164.6 = Km 0.0		
0.05				V.-Draubücke		
				164.6 (in Vb) *Vbd*		
				0.3		
				0.8		
0.07			90	Str. 413-14 Str. 413		
				← V. Westbf (in Vb) →		90
				*Vf*		379.1
				AB (Awanst)		381.2
12				Villach Warmbad	Villach Warmbad	381.7
				Str. 413-19		
				← V.S. Gvbf-Auen →		
				(in Vsv) *Vu*		382.7
				Villach Süd Gvbf		
				(in Vsv) *Vsv*		384.0
				Km 383.6 = Km 5.5		
				Str. 413-17		
0.16				Fürnitz (in Vsv) *Fn*		386.5
				V.S. Gvbf-Ausfgr.		
				(in Vsv) *Va*		
				Km 387.3 = Km 0.0		387.3

M 6325

Str. 413-19 – GSM-R – A –						
4	5	6	1	2	3	2a 1a
0.19			90	Km 387.3 = Km 0.0		
				← V.S. Gvbf-Einfgr. →		90
				(in Vsv) *Ve*		387.3
				2.3		2.3

# Muster 6326

nP

BT 432 b Va-Ve Bh = 42%  
 432 b Ve-Vbo Bh = 66%

M 6326

Vmax = 100 km/h Bhmax = 66% - GSM-R- A -						
4	5	6	1	2	3	2a 1a
		0.00	100	3.7 (in Vsv) *Va*	V.S. Gvbf-Ausfgr.	
		05		2.3 (in Vsv) *Ve*	V.S. Gvbf-Einfgr.	
		09		0.0 Km 0.0 = Km 387.3	Fürnitz (in Vsv) *Fn*	
		11		386.5 Villach Süd Gvbf (in Vsv) *Vsv*		
		12	100	382.7 (in Vsv) *Vu*	Str. 413 V.S. Gvbf-Auen	100
				381.7 Villach Warmbad		
		15		381.2 AB (Awanst)		
				379.1 (in Vb) *Vb*	V. Westbf	
		17	100	1.1 (in Vb) *Vbd*	V.-Draubücke	
		0.19	60	0.3 Km 0.0 = Km 164.6	Villach Hbf	
				164.3 (in Vb) *Vb*		
			100	164.0	Villach Hbf-Ostbf	
0.21				163.5 (in Vb) *Vbo*		

# Muster 6328

nP

BT 433 b Va-Vbo Bh = 52%  
 438 a Vbo-Vba Bh = 53%

M 6328

Vmax = 90 km/h Bhmax = 53% - GSM-R- A -						
4	5	6	1	2	3	2a 1a
		0.00	90	3.7 (in Vsv) *Va*	V.S. Gvbf-Ausfgr.	
				5.5 Km 5.5 = Km 383.6		
		05	90	382.7 (in Vsv) *Vu*	Str. 413 V.S. Gvbf-Auen	90
				381.7 Villach Warmbad		
		08		381.2 AB (Awanst)	V. Westbf	
				379.1 (in Vb) *Vb*		
		10	90	1.1 (in Vb) *Vbd*	V.-Draubücke	
		12		0.3 Km 0.0 = Km 164.6	Villach Hbf	
				164.3 (in Vb) *Vb*		
			90	164.0	Villach Hbf-Ostbf	
		0.14		376.8 (in Vb) *Vbo*		
0.16			80	376.2 (in Vb) *Vba*	V.-Autoverladest.	

# Muster 6330

nP

BT 434 b Va-Vbo

M 6330

Vmax = 60 km/h Bhmax = 40% – GSM-R – A –							
4	5	6	1	2	3	2a	1a
		0.00	60	3.7 (in Vsv) *Va*	V.S. Gvbf-Ausfgr.		
				5.5	Km 5.5 = Km 383.6		
			60	382.7 (in Vsv) *Vu*	Str. 413 V.S. Gvbf-Auen	Str. 413-14	60
		05		381.7	Villach Warmbad		382.7
				381.2	AB (Awanst)	Villach Warmbad	381.7
		10		379.1	V. Westbf (in Vb) *Vf*		379.1
			60	0.3 (in Vb) *Vbd*	V.-Draubücke		
		12		0.0	Km 0.0 = Km 164.6		
		0.14		164.3	Villach Hbf (in Vb) *Vb*		
				163.5	Villach Hbf-Ostbf (in Vb) *Vbo*		
0.16							

# Muster 6331

nP

BT 633 a Ssn-Stt

M 6331

Vmax = 60 km/h Bhmax = 29% – ZF A – 61 –							
4	5	6	1	2	3	4	5
		0.00	60	210.6	Möllbrücke-S.		
				206.8	Lendorf		
				206.7	– GSM-R – A –		
		0.06		74.4	Abzww Str. 40701 (in Uz)		
				75.0	Km 75.0 = Km 75.1		
				77.7	Sbl Uz 1		
				80.8	GPE		
0.13				80.9	Spittal-Millst.		

# Muster 6332

nP

BT 633 a Sft-Ssn

M 6332

4	5	6	1	2	3	4	5	6
<div> <div> Vmax = 60 km/h                      Bhmax = 27%                      - GSM-R - A -                 </div> </div>								
		0.00	60	80.9 77.9 75.1 206.5 206.7 206.8 210.6	Spittal-Millst. Sbl Uz 1 Km 75.1 = Km 75.0 Abzww Str. 40701 (in Uz) - ZF A - 61 - Lendorf Möllbrücke-S.			
0.14		0.08						

# Muster 6333

nP

BT 438 a Vba-Vbo Bh = 48%

433 b Vbo-Ve Bh = 58%

M 6333

4	5	6	1	2	3	2a	1a
<div> <div> Vmax = 90 km/h                      Bhmax = 58%                      - GSM-R - A -                 </div> </div>							
		0.00	80	376.2 (in Vb) *Vba*	V.-Autoverladest.		
		02		163.5 (in Vb) *Vbo*	Villach Hbf-Ostbf		
			90				
		04		164.0 164.3 164.6	Villach Hbf (in Vb) *Vb*		
			60		Km 164.6 = Km 0.0		
		06		0.3 (in Vb) *Vbd*	V.-Draubücke		
				0.8			

-----							
		08	90	379.1  381.2 381.7	Str. 413 ← V. Westbf (in Vb) → *Vf* AB (Awanst) Villach Warmbad Villach Warmbad	379.1	90
						381.7	
		12		382.7	Str. 413-19 ← V.S. Gvbf-Auen → (in Vsv) *Vu*		
					Km 383.6 = Km 5.5	382.7	
		0.13		384.0 (in Vsv) *Vsv*	Villach Süd Gvbf		
					V.S. Gvbf-Ausfgr. (in Vsv) *Va*	3.7	



M 6333				Str. 413 – GSM-R – A –			Str. 413-19 – GSM-R – A –		
4	5	6	1	2	3	2a	1a		
0.20			90		V.S. Gvbf-Ausfgr. (in Vsv) *Va*	3.7	90		
		0.15		386.5 387.3	Str. 413-17 Fürnitz (in Vsv) *Fn* Km 387.3 = Km 0.0				
				2.3	← V.S. Gvbf-Einfgr. → (in Vsv) *Ve*	2.3			

# KGAG 41841

nP

BT 408 b Sb-Swa Bh = 70%  
437 b Swa-Ma Bh = 69%  
438 a Ma-Uz Bh = 69%  
437 b Uz-Gu Z2 Bh = 65%  
438 a Gu Z2-Vf Bh = 65%  
432 b Vf-Ve Bh = 65%  
432 b Ve-Va Bh = 48%

41841				Vmax = 100 km/h Bhmax = 70% $\overline{\square}$ – GSM-R – A –					
4	5	6	1	2	3	4	5	6	
durch		6.08	60		Salzburg Hbf 0.0 (in Sb) *Sb*				
Muster 4085									
10.22		10.23	100		V.S. Gvbf-Einfgr. (in Vsv) *Ve*				
10.28					V.S. Gvbf-Ausfgr. (in Vsv) *Va*				

# KGAG 42201 nP KGAG 42205 nP

BT 432 b Fn-Va Bh = 40% BT 432 b Fn-Va Bh = 40%  
432 c Va-Tbv Bh = 57% 432 c Va-Tbv Bh = 57%

42201				42205			
4	5	6	1 2	3	4	5	6
		18.31	100	Fürnitz (in Vsv) *Fn* Km 385.2 = Km 5.7			18.31
18.36		41	385.2	V.S. Gvbf-Ausfgr. (in Vsv) *Va*	18.36		41
		46	3.7	V.S. Gvbf-Einfgr. (in Vsv) *Ve*			46
			2.3	Km 1.2 = Km 1.8			
		51	0.4	Neuhaus a.d.Gail (in Vsv)			51
			389.7	V.S. Gvbf-West (in Vsv) *Vw*			
		55	392.1	Pöckau			55
		59	395.0	Arnoldstein			59
			400.2	Thörl-Maglern			
				– GSM-R– Ende –			
			401.0	Staatsgrenze n. Thörl-M.			
19.06		19.48	88.8	Tarvisio	19.06		19.48
				Boscoverde			

# \* ) 42202

Von Tbv - Fn als KGAG nP  
Von Fn - Ve als ATGZ nP

42202							
4	5	6	1 2	3	4	5	6
7.36		8.12	100	Tarvisio Boscoverde – GSM-R– A –			
			88.8	Staatsgrenze n. Thörl-M.			
		18	94.3	Thörl-Maglern			
		22	400.2	Arnoldstein			
			395.0	Pöckau			
		26	392.1	V.S. Gvbf-West (in Vsv) *Vw*			
			389.7	Neuhaus a.d.Gail (in Vsv)			
8.31		36	389.3	Fürnitz (in Vsv) *Fn*			
			386.5	Km 385.2 = Km 5.7			
		8.41	385.2	V.S. Gvbf-Ausfgr. (in Vsv) *Va*			
			3.7	V.S. Gvbf-Einfgr. (in Vsv) *Ve*			
8.45			2.3				

# KGAG 42242

BT 432 b    Tbv-Ve    Bh = 69%  
 432 b    Ve-Va    Bh = 42%

42242

Vmax = 100 km/h Bhmax = 69%    □				3					
4	5	6	1	2			4	5	6
14.14		15.05	100	88.8	Tarvisio Boscoverde				
Muster 4378									
15.23		15.28	100	2.3 (in Vsv) *Ve*	- GSM-R – A – V.S. Gvbf-Einfgr.				
15.33				3.7 (in Vsv) *Va*	V.S. Gvbf-Ausfgr.				

# ATGZ 42400

BT 437 b    Js-Va

42400

4	5	6	1	2	3	4	5	6
4.06		5.13	35	630.2	Jesenice			
Muster 4374								
5.50		6.00	100	2.3 (in Vsv) *Ve*	- GSM-R- A - V.S. Gvbf-Einfgr. (in Vsv) *Ve*			
6.05				3.7 (in Vsv) *Va*		V.S. Gvbf-Ausfgr. (in Vsv) *Va*		

\*) 47222

Von Tbv - Ve als RID nP  
Von Ve - Fn als ATGZ nP

BT 432 b Tbv-Ve Bh = 69%  
432 b Ve-Fn Bh = 42%

47222

Vmax = 100 km/h Bhmax = 69%						
4	5	6	1	2	3	4
19.01		19.44	100	88.8	Tarvisio Boscoverde	5
Muster 4378						
20.02	20.04		100	2.3 (in Vsv) *Ve*	V.S. Gvbf-Einfgr.	
	20.07			3.7 (in Vsv) *Va*	V.S. Gvbf-Ausfgr.	
20.13				5.7 Km 5.7 = Km 385.2 386.5	Fürnitz (in Vsv) *Fn*	

ATGZ 49471 nP

BT 408 b Sr-Swa Bh = 70%  
437 b Swa-Ma Bh = 69%  
438 a Ma-Uz Bh = 69%  
437 b Uz-Gu Z2 Bh = 65%  
438 a Gu Z2-Vf Bh = 65%  
432 b Vf-Ve Bh = 65%  
432 b Ve-Va Bh = 48%  
437 b Va-Js Bh = 65%

49471

Vmax = 100 km/h Bhmax = 70% – GSM-R – A –						
4	5	6	1	2	3	4
15.45		15.48	90	2.4 (in Sb) *Sr*	Salzbg. Gnigl-Vbf	5
Muster 4085						
19.50	20.00		100	2.3 (in Vsv) *Ve*	V.S. Gvbf-Einfgr.	
20.05	20.56			3.7 (in Vsv) *Va*	V.S. Gvbf-Ausfgr.	
Muster 4375						
21.32	22.51		35	630.2	Jesenice	

# DG 51531

nP

- BT 409 b Sr-Swa Bh = 62%
- 437 b Swa-Ma Bh = 69%
- 438 a Ma-Uz Bh = 69%
- 437 b Uz-Gu Z2 Bh = 65%
- 438 a Gu Z2-Vf Bh = 51%
- 433 b Vf-Ve Bh = 53%

# 51531

Vmax = 100 km/h Bhmax = 69% – GSM-R – A –						
4	5	6	1	2	3	2a 1a
		0.15	90	2.4	Salzbg. Gnigl-Vbf (in Sb) *Sr*	
		20		3.0	Salzburg Gnigl (in Sb) Sb Gnigl-Einfgr. (in Sb) *Sre*	
		22		4.5	Salzburg Parsch Salzburg Aigen	
				5.8	Salzburg Süd	
				7.9	Sbl Aj 1	
				8.6	Eisbethen	
				9.0	Sbl Aj 2	
				10.1	Üst Aj 5	
		27		12.2	Puch Urstein	
				13.2	Sbl Aj 6	
				13.3	Puch bei Hallein	
				14.5	Sbl Aj 7	
				14.8	Oberalm	
		0.31		16.0	Hallein	
				17.8	Hallein Burgfried	
				19.4	Sbl Hl 1	
				20.0	Bad Vigaun	
				20.9	Sbl Hl 2	
				21.1	Kuchl Garnei	
				22.4		

# 51531

– GSM-R – A –						
4	5	6	1	2	3	2a 1a
		0.35	90	22.4	Kuchl Garnei	
				22.9	Üst Hl 3	
				24.3	Sbl Hl 4	
				25.2	Kuchl Lst (Awanst)	
				25.6	Kuchl	
				26.1	Sbl Hl 5	
				28.0	PZB 1000 Hz	
		39		28.8	Golling-Abt.	
				31.0	Schutzstrecke	
				31.1	GPE	
			70	31.3		
				31.6	AB (Awanst)	
				31.6	Sbl Gg 1	
		44		34.5	Üst Gg 2	
				37.0	Sbl Gg 3	
		48		38.6	Üst Gg 4	
				38.7	Sulzau Lst	
				41.4	Sbl Gg 5	
				42.2	Tenneck (Awanst)	
			80	44.2		
				44.5	Werfen	
		54	90	45.2	Pfarwerfen	
				46.6	Sbl Rf 1	
				47.7	Sbl Rf 2	
				49.6		
			80	51.2		
				51.7	Km 51.7 = Km 52.0	
		0.59		52.3	Bischofshofen (in Bo) *Bo*	

51531							– GSM-R – A –		
4	5	6	1	2	3	2a	1a		
1.13		0.59	80	52.3	Bischofshofen (in Bo) *Bo*				
				53.2	Bischofshofen Fbf (in Bo) *Bob*				
			70	54.8	Sbl Bo 1				
				54.9	Mitterberghütten				
				55.3					
			85	55.4					
				56.8					
			90	56.9	Üst Bo 2				
				59.0	Sbl Bo 3				
			07	61.3	St.Johann i.P.				
		1.00		62.9	Sbl Jp 1				
				64.1	Sbl Jp 2				
				64.4					
			70	0.0	Schwarzach-St.V.				
				60					
				90	Sbl Swa 1T				
				2.6	Loifarn (in Lof) *Lof* Bstg.a.B.				
				5.4	GPE				
				6.4					
			43	6.5	Loif.-Süd (in Lof) *Lsf*				
		1.45		6.8	Km 7.1 = Km 7.4				
				7.1					
				7.7	Abzw Loif 1				
			80	9.3					

51531								- GSM-R - A -			
4	5	6	1	2	3	2a	1a				
		1.45	80	9.3	Abzw Lof 1						
			90	9.5							
			100	10.8							
				11.7							
				14.3							
				17.9							
				18.2							
			90	19.3							
				22.4							
				22.6							
		55	70	25.2	Angertal Bstg.a.B.						
			80	25.4							
				27.7							
				29.1							
				29.4							
			60	30.1							
				30.4							
			70								
				33.9							
				34.2							
		2.13	100	36.1	Böckstein						
				37.9							
				40.4							
				41.9							
				43.0							
		2.08									

51531							– GSM-R – A –		
4	5	6	1	2	3	2a	1a		
2.23			100	43.0	GPE Mallnitz-Hintertal (in Ma) *Mth* Bstg.a.B.				
				43.3					
			80						
				45.9	Mallnitz-Obervell. (in Ma) *Ma*				
			90	46.0	Km 46.0 = Km 46.9				
				48.7	Sbl Ma 1				
				51.7	Üst Ma 2				
				52.6					
				52.7					
				90	54.2			Sbl Ma 3	
33				55.8	Oberfalkenstein				
				57.9	Km 57.9 = Km 58.3				
				58.4	Penk				
				61.6	Sbl Pk 1				
				64.8	Kolbnitz				
				67.1	Sbl Kl 1				
				69.1	Üst Kl 2				
				69.4	Mühdorf-Möllbrücke				
				72.8	Pusarnitz (in Uz)				
				74.0	Pusarnitz-Süd (in Uz) *Uzs*				
44				74.4	Abzww Str. 40701 (in Uz)				
				75.0	Km 75.0 = Km 75.1				
				77.7	Sbl Uz 1				
				80.8	GPE				
				200.1	Spittal-Millst.				
2.50		2.58							

51531							– GSM-R – A –		
4	5	6	1	2	3	2a	1a		
2.50	2.58			200.1	Spittal-Millst.				
			70	199.4					
			80	198.7					
			100	196.3					
				191.7					
				190.1					
				188.1					
				187.2					
				187.0					
				185.7					
	3.07			183.2	Rothenthurn				
				178.7					
				177.7					
				177.5					
				174.5					
			80	174.0					
				172.8					
				171.9					
			100	171.4					
				169.2					
	24			168.8	Gummern				
			90						
				166.5					
			50	165.6					
				0.9					
				378.3					
				378.5					
	3.27				V.-Draubücke (in Vb) *Vbd*				





# NG 68540

nP

BT 433 b Va-Vf Bh = 52%  
438 a Vf-Gu Z2 Bh = 28%  
439 a Gu Z2-Stt Bh = 34%

## 68540

Vmax = 90 km/h Bhmax = 52% – GSM-R – A –						
4	5	6	1	2	3	2a 1a
3.28			90	V.S. Gvbf-Ausfgr. (in Vsv) *Va*		
				3.7	Km 5.5 = Km 383.6	
				5.5		
34			90	Str. 413-14 V.S. Gvbf-Auen (in Vsv) *Vu*		
				382.7	← →	382.7
				381.7	Villach Warmbad Villach Warmbad AB (Awanst)	381.7 381.2
39			379.1	V. Westbf (in Vb) → *Vf*		
						379.1
41			60	V.-Draubücke (in Vb) *Vbd*		
				378.3	Km 378.3 = Km 0.9	
				50	Km 0.0 = Km 165.6	
44			60	166.5 Abzw Gu 2 Sbl Gu 1		
				169.0		
				171.4	AB (Awanst)	
3.50				Gummern		
				172.8	Puch	
				174.0	Sbl Pf 1	
				177.4	Weißerst.-K.	
				177.7		

## 68540

– GSM-R – A –						
4	5	6	1	2	3	2a 1a
4.01			60	Weißerst.-K. AB (Awanst) Paternion-Feistr. Markt Paternion Ferndorf Sbl Ro 1 AB (Awanst) Schutzstrecke Rothenthurn Sbl Stt 1 GPE Spittal-Millst.		
				177.7		
				178.7		
4.10				183.2		
				185.7		
				187.0		
4.19				187.1		
				188.1		
				190.0		
				191.7		
				196.2		
				198.4		
				80.9		

# VG 74352

nP

BT 409 d Hl-Gg Bh = 51%  
410 a Gg-Rf Bh = 35%

## 74352

4	5	6	1	2	3	4	5	6
		11.52	90	17.8	Hallein			
				19.4	Hallein Burgfried			
				20.0	Sbl Hl 1			
				20.9	Bad Vigaun			
				21.1	Sbl Hl 2			
				22.4	Kuchl Garnei			
		12.00		22.9	Üst Hl 3			
				24.3	Sbl Hl 4			
				25.2	Kuchl Lst (Awanst)			
				25.6	Kuchl			
				26.1	Sbl Hl 5			
				28.0	PZB 1000 Hz			
12.07		45		28.8	Golling-Abt.			
			60	31.0	Schutzstrecke			
				31.1	GPE			
				31.6	AB (Awanst)			
				31.6	Sbl Gg 1			
		53		34.5	Üst Gg 2			
				37.0	Sbl Gg 3			
		57		38.6	Üst Gg 4			
58	1)	13.33		38.7	Sulzau Lst			
				41.4	Sbl Gg 5			
				42.2	Tenneck (Awanst)			
13.43				45.2	Werfen			

1) Aufenthalt gilt nur bei Nebenfahrt

# BED 74363

nP

BT 410 a Gg-Hl L4 Bh = 22%  
410 a Hl L4-Gg Bh = 22%

## 74363

4	5	6	1	2	3	4	5	6
		16.43	60	28.8	Golling-Abt.			
				26.2	Sbl Hl 5			
				25.6	Kuchl			
16.49		17.10		25.2	Kuchl Lst (Awanst)			
				25.6	Kuchl			
				26.1	Sbl Hl 5			
				28.0	PZB 1000 Hz			
17.16				28.8	Golling-Abt.			

# BED 74372

Verkehrt als Nebenfahrt

BT 409 b Gg-Gg A1 Bh = 32%  
409 b Gg A1-Gg Bh = 41%

74372

4	5	6	1	2	3	4	5	6
		8.27	90	28.8 31.0 31.1 31.3	Golling-Abt. Schutzstrecke GPE			15.45
8.32		9.03	70	31.6	AB (Awanst)	15.50		16.25
9.07			90	31.1 28.8	Schutzstrecke Golling-Abt.	16.31		

# BED 74376

Verkehrt als Nebenfahrt

BT 409 d Gg-Gg A1 Bh = 32%  
409 d Gg A1-Gg Bh = 41%

74376

# VG 76578

BT 434 b Dr-Ve

76578

Vmax = 60 km/h Bhmax = 40% – GSM-R– A –								
4	5	6	1	2	3	2a	1a	
		17.33	60	395.0 392.1	Arnoldstein Pöckau			
					Str. 413-18			
			60	0.0	← V.S. Gvbf-West → (in Vsv) *Vw*	Str. 413-18		60
		17.40		0.4	Neuhaus a.d.Gail (in Vsv)			389.7
					Str. 413			
					Neuhaus a.d.Gail (in Vsv)			389.3
					Str. 413-15			
					Fürnitz (in Vsv) *Fn*			386.5
					Km 1.8 = Km 1.2			
					Km 385.2 = Km 5.7			385.2
					V.S. Gvbf-Ausfgr. (in Vsv) *Va*			3.7
					← V.S. Gvbf-Einfgr. → (in Vsv) *Ve*			2.3
17.45				2.3				

# BED 75365

Verkehrt als Nebenfahrt

BT 410 a Rf-Gg K2 Bh = 22%  
410 a Gg K2-Rf Bh = 22%

75365

4	5	6	1	2	3	4	5	6
14.04 14.30		13.59 14.24	60	45.2 42.2 45.2	Werfen Tenneck (Awanst) Werfen			

# BED 75365

Verkehrt als Nebenfahrt

BT 410 a Rf-Gg K2 Bh = 22%  
410 a Gg K2-Rf Bh = 22%

75365

Vmax = 60 km/h Bhmax = 22% – GSM-R– A –								
4	5	6	1	2	3	4	5	6
14.04 14.30		13.59 14.24	60	45.2 42.2 45.2	Werfen Tenneck (Awanst) Werfen			

BED 77511			nP			BED 77515			nP		
BT 632 b	Lie-Lie A1A	Bh = 50%				BT 632 b	Lie-Lie A1A	Bh = 50%			
632 b	Lie A1A-Lie	Bh = 49%				632 b	Lie A1A-Lie	Bh = 49%			
77511			Vmax = 90 km/h Bhmax = 50% – ZF A – 61 –			77515					
4	5	6	1	2	3	4	5	6			
		6.44	90			Lienz C-14					9.55
						Lienz-Peggetz					
						AB (Awanst)					
						AB (Awanst)					
						AB (Awanst)					
						Lienz-Peggetz					
						Lienz C-14					

VG 77520		n <sup>P</sup>						
BT 632 b Doe-Lie								
77520		Vmax = 90 km/h Bhmax = 49% – ZF A – 61 –						
4	5	6	1	2	3	4	5	6
		9.37	90		Dölsach			
					AB (Awanst)			
					AB (Awanst)			
					AB (Awanst)			
					AB (Awanst)			
					Lienz-Peggetz			
9.44					Lienz C-14			

BED 77517			+ nP			BED 77519			nP		
BT 632 b	Lie-Lie A1A	Bh = 50%				BT 632 b	Lie-Lie A1A	Bh = 50%			
632 b	Lie A1A-Lie	Bh = 49%				632 b	Lie A1A-Lie	Bh = 49%			
77517			Vmax = 90 km/h Bhmax = 50% – ZF A – 61 –			77519					
4	5	6	1	2	3	4	5	6			
		11.38	90			Lienz C-14					15.55
						Lienz-Peggetz					
						AB (Awanst)					
						AB (Awanst)					
11.42		52				AB (Awanst)			15.58		16.07
53		12.13				Lienz-Peggetz			16.08		16.18
12.18						Lienz C-14			16.23		

VG 77521			nP					
BT 632 b Lie-Doe								
77521			Vmax = 90 km/h Bhmax = 52% – <u>ZF A – 61</u> –					
4	5	6	1	2	3	4	5	6
		8.37	90	268.4	Lienz C-14			
				266.7	Lienz-Peggetz			
				266.2	AB (Awanst)			
				266.1	AB (Awanst)			
8.42		9.02		265.4	AB (Awanst)			
				265.3	AB (Awanst)			
9.05				263.2	Dölsach			

ATGZ 77540

ATGZ 77544

BT 632 b Lie-TI

BT 632 b Lie-TI

77540					
4	5	6	1	2	3
5.24		5.12	90	268.4	Lienz C-14
				268.7	
				268.8	
			70		
				269.3	
			90	271.7	
				271.8	
			70		Thal
				276.9	
			80	278.3	

12.29

ATGZ 77541

ATGZ 77545

BT 632 b TI-Lie

BT 632 b TI-Lie

77541					
4	5	6	1	2	3
6.04		5.53	80	278.3	Thal
				276.9	
			70		
				271.8	
			90	269.4	
				269.3	
			70		
				268.8	Lienz C-14
			90	268.4	

13.34

13.24

# VG 77546 <sub>nP</sub>

BT 632 b Lie-TI

77546

4	5	6	1	2	3	4	5	6
		13.59	90	268.4	Lienz C-14			
				268.7	GPE			
			70	268.8				
				269.3				
			90	271.7	GPE			
			70	271.8				
				276.9				
14.11			80	278.3	Thal			

# ATGZ 77554 <sub>nP</sub>

BT 633 a TI-Abf A1 Bh = 30%  
633 a Abf A1-TI Bh = 40%

77554

4	5	6	1	2	3	4	5	6
12.50		12.46	60	278.3	Thal			
13.17		13.14		280.3	AB (Awanst)			
				278.3	Thal			

# BED 77571 <sub>nP</sub>

Verkehrt als Nebenfahrt

BT 632 b Sil-Sil A1 Bh = 42%  
632 b Sil A1-Sil Bh = 57%

77571

4	5	6	1	2	3	4	5	6
		7.30	80	298.6	Sillian			9.16
7.35		8.16	70	296.0	AB (Awanst)	9.21		9.50
8.20			80	296.0	Sillian	9.54		

# BED 77573 <sub>nP</sub>

Verkehrt als Nebenfahrt

BT 632 b Sil-Sil A1 Bh = 42%  
632 b Sil A1-Sil Bh = 57%

77573

4	5	6	1	2	3	4	5	6



78520						- GSM-R - A -		
4	5	6	1	2	3	2a	1a	
			90	177.4	Sbl Pf 1			
				177.7	Weißent.-K.			
4.46	1)	5.10		178.7	AB (Awanst)			
5.17		55		183.2	<b>Paternion-Feistr.</b>			
				185.7	Markt Paternion			
				187.0	Ferndorf			
				187.1	Sbl Ro 1			
6.02	1)	6.13		188.1	AB (Awanst)			
				190.0	Schutzstrecke			
6.19				191.7	<b>Rothenthurn</b>			

1) Aufenthalt gilt nur bei Nebenfahrt

<b>ATGZ 78523</b> <sub>nP</sub>						
BT 438 a	Ro-Vf	Bh = 51%				
433 b	Vf-Ve	Bh = 53%				
<b>78523</b>			<b>Vmax = 90 km/h</b> <b>Bhmax = 53%</b> – GSM-R – A –			
4	5	6	1	2	3	2a 1a
		6.28	<b>90</b>	<b>Rothenthurn</b>		
				Schutzstrecke		
				AB (Awanst)		
				Sbl Ro 1		
				Ferndorf		
				Markt Paternion		
		36		<b>Paternion-Feistr.</b>		
				AB (Awanst)		
				Weissenst.-K.		
				Sbl Pf 1		
			<b>80</b>	<b>174.5</b>		
				Puch		
<b>6.44</b>		56		<b>Gummern</b>		
			<b>90</b>	171.4	AB (Awanst)	
				169.2	Sbl Gu 1	
		7.05		<b>166.5</b>	Abzw Gu 2	
			<b>50</b>	165.6	Km 165.6 = Km 0.0	
				0.9	Km 0.9 = Km 378.3	
		7.08		378.3	(in Vb) *Vbd*	
			<b>60</b>	<b>378.5</b>	<b>V-Draubücke</b>	
				<b>378.9</b>		



- GSM-R-A -						
4	5	6	1	2	3	2a
78523				378.9		1a
			90			
7.10			Str. 413 V. Westbf (in Vb) → *Vf*			
			379.1			379.1
			381.2 381.7	AB (Awanst) Villach Warmbad		381.7
14			Str. 413-19 V.S. Gvbf-Auen → (in Vsv) *Vu*			
			382.7			382.7
15			Villach Süd Gvbf (in Vsv) *Vsv*			
			384.0			
7.17			V.S. Gvbf-Ausfgr. (in Vsv) *Va*			
			386.5			3.7
			387.3	Str. 413-17 Fürnitz (in Vsv) *Fn*		
7.22			Km 387.3 = Km 0.0 V.S. Gvbf-Einfgr. → (in Vsv) *Ve*			
			2.3			2.3

**\*) 78526**  
Von Gu - Pf als VG nP  
Von Pf - Ro als ATGZ nP

BT 438 a Gu-Ro

4	5	6	1	2	3	4	5	6
78526			80	172.8	Gummern			
		16.41		174.0				
16.49 17.38			90	174.5	Puch			
				177.4	Sbl Pf 1			
				177.7	Weißerst.-K.			
46 18.37	1)	17.31		178.7	AB (Awanst)			
		39		183.2	Paternion-Feistr.			
				185.7	Markt Paternion			
				187.0	Ferndorf			
	1)	18.31		187.1	Sbl Ro 1			
				188.1	AB (Awanst)			
				190.0	Schutzstrecke			
				191.7	Rothenthurn			

1) Aufenthalt gilt nur bei Nebenfahrt

VG 78527

BT 438 a Pf-Vf Bh = 50%  
433 b Vf-Ve Bh = 53%

78527

4	5	6	1	2	3	2a	1a
18.32		18.22	90	183.2	Paternion-Feistr.  AB (Awanst)  Weißenst.-K.  Sbl Pf 1   Puch <b>Gummern</b>  AB (Awanst)  Sbl Gu 1 Abzw Gu 2  Km 165.6 = Km 0.0 Km 0.9 = Km 378.3 <b>V-Draubücke</b> (in Vb) *V/bd*		
				178.7			
				177.7			
				177.5			
			174.5				
			80	174.0			
				172.8			
			171.9				
			90	171.4			
				169.2			
08			166.5				
			165.6				
	50	0.9					
		378.3					
			378.5				
			60				
				378.9			
19.13		19.16	90	379.1	Str. 413 ← V. Westbf (in Vb) → *Vf*  AB (Awanst) Villach Warmbad  Villach Warmbad	Str. 413-14	90
				381.2			
				381.7			
						379.1	381.7

78527

4	5	6	1	2	3	2a	1a
Str. 413 – GSM-R – A –  Str. 413-14 – GSM-R – A –							
19.29		19.21	90		Villach Warmbad ← V.S. Gvbf-Auen → (in Vsv) *Vu*	381.7  382.7	90
				382.7			
			90				
				384.0			
				386.5			
		19.24		387.3	Villach Süd Gvbf (in Vsv) *Vsv* Furnitz (in Vsv) *Fn* Km 387.3 = Km 0.0 V.S. Gvbf-Einfgr. (in Vsv) *Ve*		
				2.3			

# ATGZ 78529

BT 438 a Ro-Vf Bh = 51%  
433 b Vf-Ve Bh = 53%

78529

Vmax = 90 km/h Bhmax = 53% – GSM-R – A – nP						
4	5	6	1	2	3	2a 1a
19.19	19.10		90	191.7	Rothen thurn	
				190.1		
				188.1		
				187.2		
				187.0		
	20.00			185.7	Paternion-Feistr.	
				183.2		
				178.7		
				177.7		
				177.5		
20.10	17		80	174.5	Gummern	
				174.0		
				172.8		
				171.9		
				171.4		
	25		90	169.2	V-Draubücke	
				166.5		
				165.6		
				0.9		
				378.3		
20.28	20.28		60	378.5		
				378.9		

78529

– GSM-R – A –						
4	5	6	1	2	3	2a 1a
20.30		20.57	90	378.9	Str. 413 V. Westbf (in Vb) → *Vf*	379.1
				379.1		
				381.2		
				381.7		
	21.02			382.7	Str. 413-19 V.S. Gvbf-Auen → (in Vsv) *Vu*	382.7
21.10				384.0	Villach Süd Gvbf (in Vsv) *Vsv*	3.7
	21.05			386.5	Str. 413-17 Fürnitz (in Vsv) *Fn*	2.3
				387.3		

# BED 78570

nP

Verkehrt als Nebenfahrt

BT 633 a Ssn-Kel A1 Bh = 27%  
 633 a Kel A1-Ssn Bh = 29%

<div> <div>78570</div> <div> <div>Vmax = 60 km/h</div> <div>Bhmax = 29%</div> <div>- ZF A - 61 -</div> </div> </div>					
4	5	6	1	2	3

		6.28	60	210.6	Möllbrücke-S.
6.33		7.33		213.1	Markt Sachsenburg
				213.2	AB (Awanst)
7.38				213.1	Markt Sachsenburg
				210.6	Möllbrücke-S.

			4	5	6
					9.00
			9.05		9.53
			9.58		

# BED 78572

nP

Verkehrt als Nebenfahrt

BT 633 a Ssn-Kel A1 Bh = 27%  
 633 a Kel A1-Ssn Bh = 29%

<div> <div>78572</div> <div> <div>Vmax = 60 km/h</div> <div>Bhmax = 29%</div> <div>- ZF A - 61 -</div> </div> </div>					
4	5	6	1	2	3

			60	210.6	Möllbrücke-S.
				213.1	Markt Sachsenburg
				213.2	AB (Awanst)
				213.1	Markt Sachsenburg
				210.6	Möllbrücke-S.

			4	5	6
					9.00
			9.05		9.53
			9.58		

# BED 78578

nP

Verkehrt als Nebenfahrt

BT 633 a Ssn-Kel A1 Bh = 27%  
 633 a Kel A1-Ssn Bh = 29%

<div> <div>78578</div> <div> <div>Vmax = 60 km/h</div> <div>Bhmax = 29%</div> <div>- ZF A - 61 -</div> </div> </div>					
4	5	6	1	2	3

			60	210.6	Möllbrücke-S.
				213.1	Markt Sachsenburg
17.39				213.2	AB (Awanst)
				213.1	Markt Sachsenburg
18.26				210.6	Möllbrücke-S.

			17.33		
			18.21		

# BED 78574

nP

Verkehrt als Nebenfahrt

BT 633 a Ssn-Kel A1 Bh = 27%  
 633 a Kel A1-Ssn Bh = 29%

<div> <div>78574</div> <div> <div>Vmax = 60 km/h</div> <div>Bhmax = 29%</div> <div>- ZF A - 61 -</div> </div> </div>					
4	5	6	1	2	3

		11.02	60	210.6	Möllbrücke-S.
				213.1	Markt Sachsenburg
11.07		12.02		213.2	AB (Awanst)
				213.1	Markt Sachsenburg
12.07				210.6	Möllbrücke-S.

			4	5	6
					13.32
			13.38		14.33
			14.38		

# BED 78576

nP

Verkehrt als Nebenfahrt

BT 633 a Ssn-Kel A1 Bh = 27%  
 633 a Kel A1-Ssn Bh = 29%

<div> <div>78576</div> <div> <div>Vmax = 60 km/h</div> <div>Bhmax = 29%</div> <div>- ZF A - 61 -</div> </div> </div>					
4	5	6	1	2	3

			60	210.6	Möllbrücke-S.
				213.1	Markt Sachsenburg
				213.2	AB (Awanst)
				213.1	Markt Sachsenburg
				210.6	Möllbrücke-S.

			4	5	6
					13.32
			13.38		14.33
			14.38		

# BED 78578

nP

Verkehrt als Nebenfahrt

BT 633 a Ssn-Kel A1 Bh = 27%  
 633 a Kel A1-Ssn Bh = 29%

<div> <div>78578</div> <div> <div>Vmax = 60 km/h</div> <div>Bhmax = 29%</div> <div>- ZF A - 61 -</div> </div> </div>					
4	5	6	1	2	3

			60	210.6	Möllbrücke-S.
				213.1	Markt Sachsenburg
17.39				213.2	AB (Awanst)
				213.1	Markt Sachsenburg
18.26				210.6	Möllbrücke-S.

			17.33		
			18.21		

Verzeichnis der Züge, Muster und Angebotstrassen

Zug	Seite	Zug	Seite	Zug	Seite	Zug	Seite
40501	Heft 501	42201	496	44808	Heft 305	45234	9
40502	Heft 501	42202	497	44813	Heft 305	45237	10
		42205	496	44815	Heft 305	45238	9
41800	Heft 305	42213	Heft 501	44816	Heft 305	45241	7
41802	Heft 305	42214	Heft 501	44820	Heft 305	45242	9
41803	Heft 305	42221	Heft 501	44821	Heft 305	45245	10
41805	Heft 305	42222	Heft 501	44822	Heft 305	45246	9
41810	Heft 305	42242	498	44824	Heft 305	45253	10
41811	Heft 305	42243	7	44828	Heft 305	45254	9
41812	Heft 305			44832	Heft 305	45265	10
41813	Heft 305			44837	Heft 305	45266	9
41814	Heft 305	42400	499	44864	Heft 305	45270	9
41815	Heft 305	42401	8	44868	Heft 305	45271	10
41816	Heft 305	42404	Heft 501	44869	Heft 305	45273	10
41817	Heft 305	42405	Heft 501			45274	9
41832	3			45039	Heft 501	45290	9
41833	3	42859	8			45291	7
41834	3			45205	7	45292	9
41836	4	43250	4	45206	9	45293	7
41837	5	43251	5	45209	7		
41838	4	43252	4	45210	9	45330	Heft 501
41839	5	43253	5	45211	10	45332	Heft 501
41841	495	43254	4	45212	9	45336	Heft 501
41842	6	43255	5	45213	10	45338	Heft 501
41844	6	43256	4	45214	9		
41846	4	43257	5	45215	10	45403	11
41847	5	43258	4	45216	9	45411	8
41852	4	43259	5	45217	10	45412	11
41853	5			45220	9	45414	11
41854	4	44229	7	45221	10	45415	8
41855	5	44230	9	45222	9	45419	8
41856	4	44258	9	45223	10	45422	11
41857	5			45224	9	45423	8
41860	6	44801	Heft 305	45225	10	45424	11
41861	7	44802	Heft 305	45229	10	45426	11
41870	4	44805	Heft 305	45230	9	45427	8
41871	5	44807	Heft 305	45233	10	45428	11

Zug	Seite	Zug	Seite	Zug	Seite	Zug	Seite
45429	8	46738	Heft 501	47261	Heft 501	48201	Heft 501
45440	11	46741	Heft 501			48221	Heft 501
45441	8	46742	Heft 501	47470	Heft 501	48222	9
45442	11	46746	Heft 501	47471	Heft 501	48225	Heft 501
45443	8	46749	Heft 501	47472	Heft 501	48237	7
45444	11	46753	Heft 501	47476	Heft 501	48238	19
45445	8	46754	Heft 501	47477	Heft 501		
45446	11	46757	Heft 501	47478	Heft 501	48400	19
45447	8	46758	Heft 501			48401	20
45448	11	46761	Heft 501	47700	16	48402	19
45449	8	46762	Heft 501	47701	16	48403	20
		46765	Heft 501	47702	17	48404	19
45800	6	46769	Heft 501	47703	17	48413	20
45801	12	46771	Heft 501			48414	19
45802	12	46773	Heft 501	47828	Heft 641	48418	19
45808	6	46774	Heft 501	47838	Heft 641	48434	Heft 501
45809	12	46777	Heft 501	47871	17	48435	Heft 501
45812	12	46797	Heft 501	47875	Heft 641	48438	Heft 501
45814	12	46798	Heft 501	47878	18	48439	Heft 501
45817	13			47879	7	48440	19
45818	6	47169	Heft 305			48441	20
45819	13			48101	Heft 501	48442	19
45849	Heft 280	47209	15	48102	Heft 501	48444	19
		47210	15	48105	Heft 501		
46167	8	47213	16	48106	Heft 501	48570	21
46177	8	47220	9	48109	Heft 501		
46179	8	47221	Heft 501	48110	Heft 501	49221	Heft 331
		47222	500	48113	Heft 501		
46372	13	47223	7	48114	Heft 501	49470	21
		47226	9	48121	Heft 501	49471	501
46672	14	47227	10	48125	Heft 501	49472	21
46675	14	47237	Heft 501	48126	Heft 501		
46676	14	47238	Heft 501	48129	Heft 501	49660	11
		47241	Heft 501	48130	Heft 501	49661	8
46705	7	47242	10	48133	Heft 501	49670	11
46721	Heft 501	47245	9	48134	Heft 501	49671	8
46722	Heft 501	47246	9	48162	18		
46726	Heft 501	47249	10	48165	15	49904	22
46729	Heft 501	47257	Heft 501			49905	22
46730	Heft 501	47258	9	48200	9	49906	22

Zug	Seite	Zug	Seite	Zug	Seite	Zug	Seite
49907	22	54507	Heft 501	55503	Heft 501	62500	Heft 501
49910	Heft 305	54533	25	55505	Heft 501	62504	Heft 501
49971	Heft 305	54535	25	55507	Heft 501	62506	Heft 501
		54537	25	55555	Heft 501	62507	Heft 501
51358	23	54539	25			62509	Heft 501
51390	Heft 201	54541	26	56050	Heft 501	62570	Heft 501
		54543	13	56052	Heft 501	62577	Heft 501
51531	502	54545	13	56054	Heft 501	62580	Heft 501
51549	13	54561	Heft 501	56056	Heft 501	62583	Heft 501
51581	23	54563	Heft 501			62585	Heft 501
		54565	Heft 501	56503	Heft 501		
53436	Heft 331	54571	Heft 501	56505	Heft 501	63300	Heft 201
		54575	Heft 501	56509	Heft 501	63304	Heft 201
54041	Heft 331	54579	Heft 501	56565	Heft 501	63306	Heft 201
54045	Heft 331	54591	23	56569	Heft 501	63350	Heft 305
54050	Heft 501	54597	26			63352	Heft 305
54052	Heft 501	54599	23	56650	Heft 501	63353	Heft 305
54054	Heft 501			56658	Heft 501	63355	Heft 305
54056	Heft 501	54654	Heft 501			63360	Heft 305
		54656	Heft 501	57406	Heft 331	63361	Heft 305
		54658	Heft 501			63362	Heft 305
54300	Heft 201			57595	509	63363	Heft 305
54302	Heft 201	54752	Heft 501	57597	23	63364	Heft 305
54341	Heft 331	54756	Heft 501			63365	Heft 305
54343	Heft 331			60326	Heft 305	63366	Heft 305
54345	Heft 331	54854	21	60358	Heft 305	63367	Heft 305
54350	24					63370	Heft 305
54380	Heft 201	54950	21	61069	27	63371	Heft 305
54384	Heft 201	54958	21			63372	Heft 305
54394	Heft 201			61820	27	63374	Heft 305
		55050	Heft 501	61823	Heft 641	63378	Heft 305
54400	Heft 331	55052	Heft 501	61824	Heft 641	63381	Heft 305
54402	Heft 331	55056	Heft 501	61825	Heft 641	63383	Heft 305
54432	Heft 331			61826	Heft 641	63384	Heft 305
54452	24	55302	Heft 201	61827	Heft 641	63387	Heft 305
54454	24	55304	Heft 201	61828	Heft 641	63388	Heft 305
54456	24	55394	Heft 201	61862	Heft 305	63389	Heft 305
		55398	Heft 201			63390	Heft 305
54501	Heft 501			62316	Heft 201	63391	Heft 305
54503	Heft 501	55501	Heft 501			63392	Heft 305
54505	Heft 501						

Zug	Seite	Zug	Seite	Zug	Seite	Zug	Seite
63393	Heft 305	67309	Heft 305	76503		77575	
63396	Heft 305	67318	Heft 305	76505	36	77576	
63397	Heft 305	67321	Heft 305	76509	36	77577	
63398	Heft 305	67323	Heft 305	76510	36		
		67324	Heft 305	76511	36	78520	523
64340	27	67327	Heft 305	76513	36	78523	525
64342	27	67371	Heft 305	76514	36	78526	527
64347	28	67379	Heft 305	76515	37	78527	528
64349	28			76516	36	78529	530
		67500	32	76518	37	78560	37
65300	28	67502	32	76520	37	78561	38
65306	28	67504	32	76522	36	78562	37
65308	29	67506	32	76523	36	78563	38
65309	29	67507	33	76524	36	78565	38
65311	29	67509	33	76525	37	78566	37
65318	29			76527	36	78567	38
		68500	33	76573	31	78568	37
65500	Heft 501	68501	34	76578	515	78569	38
65505	Heft 501	68502	33			78570	532
65506	Heft 501	68503	34	77361	Heft 305	78572	532
65507	Heft 501	68504	33			78574	532
65520	Heft 501	68505	34	77511	516	78576	532
65580	Heft 501	68508	33	77515	516		
65582	Heft 501	68509	34	77517	516	78578	533
65583	Heft 501	68540	510	77519	516		
65584	Heft 501	68544	34	77520	517	80700	38
65585	Heft 501			77521	517	80701	39
65586	Heft 501	74352	512	77540	518	80702	38
		74353	34	77541	519	80703	39
66532	30	74354	35	77544	518	80704	38
66534	30	74355	35	77545	519	80705	39
66535	30	74363	513	77546	520	80706	38
66536	30	74372	514	77547	520	80708	24
66537	30	74376	514	77554	521	80709	39
				77562	521	80710	40
66540	30			77563	32	80711	40
66547	31	75345	Heft 641	77567	37	80714	41
66575	31	75346	Heft 641	77571	37	80715	39
66576	31	75365	514	77572	521	80717	39
		75370	35	77573	522	80718	41
67304	Heft 305	75371	35		521	80720	38

Zug	Seite	Zug	Seite	Zug	Seite
80721	7	82713	Heft MFL	82757	Heft MFL
80727	42	82714	Heft MFL	82758	Heft MFL
80731	42	82715	Heft MFL		
80735	42	82716	Heft MFL	Muster 4084	48
80737	42	82717	Heft MFL	Muster 4085	55
80741	5	82718	Heft MFL	Muster 4087	63
80743	5	82719	Heft MFL	Muster 4088	69
80745	25	82720	Heft MFL	Muster 4089	76
80747	43	82721	Heft MFL	Muster 4090	84
80749	43	82722	Heft MFL	Muster 4094	91
80750	43	82723	Heft MFL	Muster 4095	98
80751	44	82724	Heft MFL	Muster 4096	105
80752	44	82725	Heft MFL	Muster 4097	113
80753	45	82726	Heft MFL	Muster 4098	121
80754	45	82727	Heft MFL	Muster 4099	129
80755	44	82728	Heft MFL	Muster 4120	137
80756	46	82729	Heft MFL	Muster 4121	145
80757	44	82730	Heft MFL	Muster 4122	153
80758	46	82731	Heft MFL	Muster 4123	162
80759	44	82732	Heft MFL	Muster 4158	171
80761	23	82733	Heft MFL	Muster 4159	176
80780	46	82734	Heft MFL	Muster 4360	181
80781	11	82735	Heft MFL	Muster 4361	181
80782	11	82736	Heft MFL	Muster 4362	182
80783	11	82737	Heft MFL	Muster 4368	183
80785	11	82738	Heft MFL	Muster 4369	191
80787	11	82739	Heft MFL	Muster 4370	199
80789	11	82740	Heft MFL	Muster 4371	208
80791	11	82741	Heft MFL	Muster 4374	217
80798	15	82742	Heft MFL	Muster 4375	219
80799	47	82743	Heft MFL	Muster 4376	221
		82745	Heft MFL	Muster 4377	223
82201	Heft 641	82746	Heft MFL	Muster 4378	225
82205	Heft 641	82747	Heft MFL	Muster 4379	226
82209	Heft 641	82748	Heft MFL	Muster 4380	227
82210	Heft 641	82749	Heft MFL	Muster 4381	235
82211	Heft 641	82750	Heft MFL	Muster 4382	243
		82751	Heft MFL	Muster 4384	252
82711	Heft MFL	82752	Heft MFL	Muster 4385	254
82712	Heft MFL	82755	Heft MFL	Muster 4386	256

Zug	Seite	Zug	Seite	Zug	Seite
Muster 6320	476				
Muster 6321	480				
Muster 6322	482				
Muster 6323	483				
Muster 6324	485				
Muster 6325	486				
Muster 6326	488				
Muster 6327	265				
Muster 6328	489				
Muster 6330	490				
Muster 6331	491				
Muster 6332	492				
Muster 6333	493				