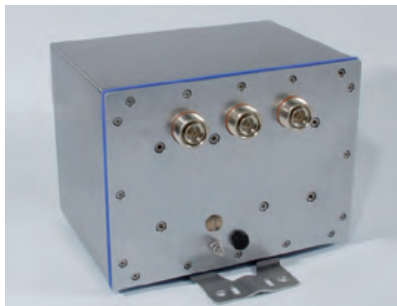


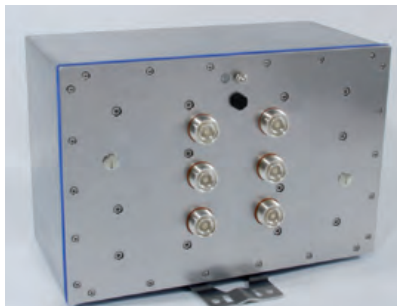
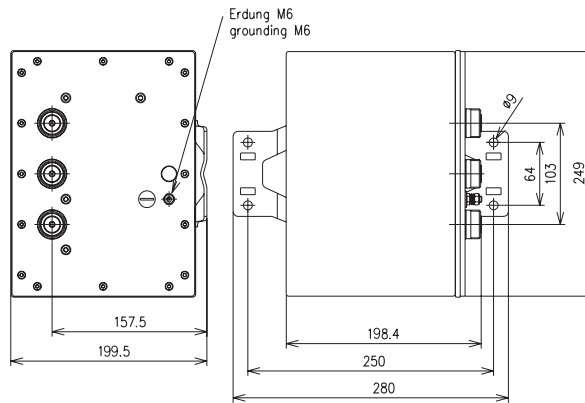
MNCS® – MOBILE NETWORK COMBINING SYSTEM

Multiplexer GSM1800 | UMTS

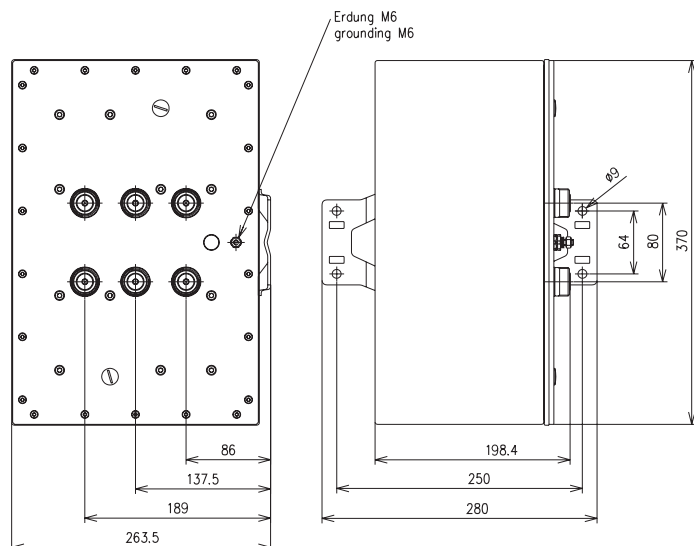
Bestellnummer Part Number	BN 57 36 60	BN 57 05 07	BN 57 36 63	BN 57 05 42
Ausführung Version	einfach / 4-kreisig single / 4 cavities	zweifach / 4-kreisig double / 4 cavities	einfach / 6-kreisig single / 6 cavities	zweifach / 6-kreisig double / 6 cavities
Frequenzbereich Frequency range	GSM1800 UMTS	1710 - 1880 MHz 1920 - 2170 MHz		
Anschlussleistung pro Eingang Power rating per input	≤ 100 W			
Intermodulation (IM3) 2 x 20 W	≤ -150 dBc; typ. -160 dBc			
Temperaturbereich Temperature range	-20 °C ... +70 °C			
Schutzgrad Degree of protection	IP65			
DC-Verbindung (umschaltbar) DC by pass (switchable)	Tor 1 oder Tor 2 mit Tor 3 port 1 or port 2 with port 3			
Anschlüsse Connection	7-16 Kuppler/Socket			
Gewicht Weight	ca./approx. 10 kg	ca./approx. 19 kg	ca./approx. 10 kg	ca./approx. 19 kg
Mast- oder Wandhalterung Mast or wall mounting brackets	im Lieferumfang enthalten part of delivery			



BN 57 36 60



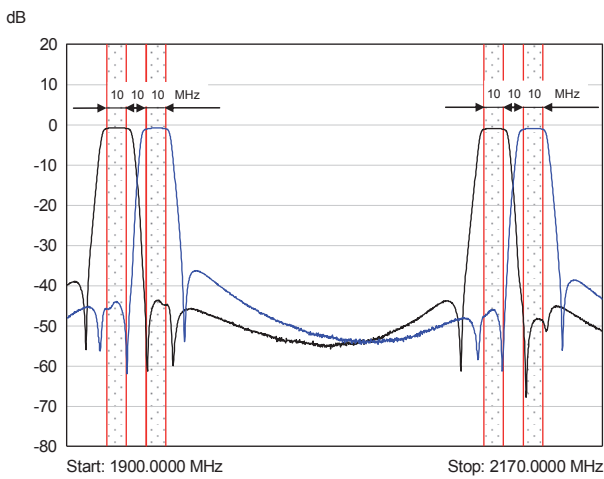
BN 57 05 07



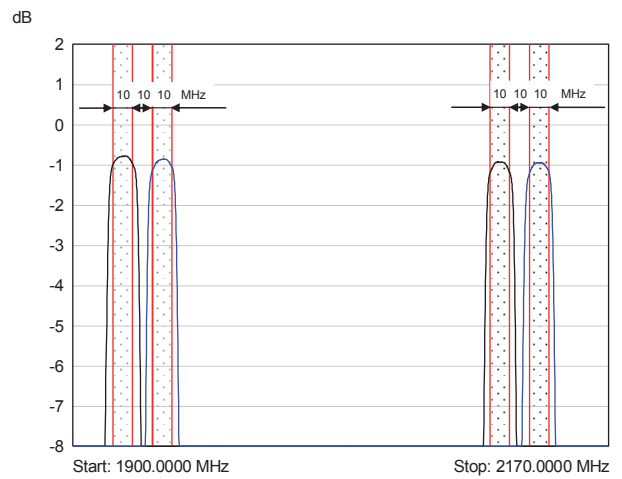
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Multiplexer GSM1800 | UMTS – Abgleichbeispiel / Tuning Example

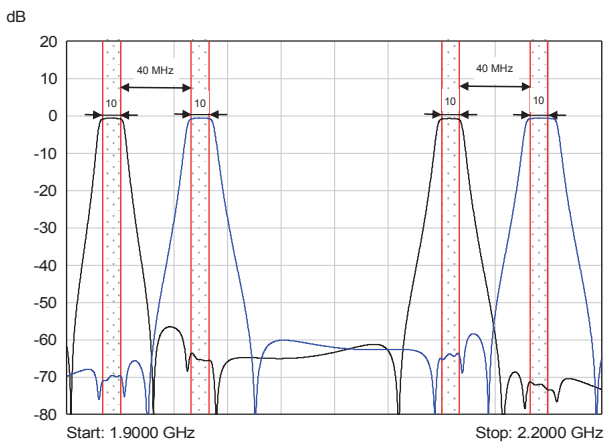
Bestellnummer Part Number	BN 57 36 60 F001 (4 cavities)	BN 57 36 60 F003 (4 cavities)
Frequenzbereich Tor/port 1 Frequency range Tor/port 2	1920.3 - 1930.2 MHz (UL) / 2110.3 - 2120.2 MHz (DL) 1940.1 - 1950.0 MHz (UL) / 2130.1 - 2140.0 MHz (DL)	1920.3 - 1930.2 MHz (UL) / 2110.3 - 2120.2 MHz (DL) 1969.8 - 1979.7 MHz (UL) / 2159.8 - 2169.7 MHz (DL)
Durchgangsdämpfung Insertion loss	≤ 1.4 dB	≤ 1.4 dB
Entkopplung Isolation	≥ 45 dB	≥ 55 dB
VSWR	≤ 1.25	≤ 1.25



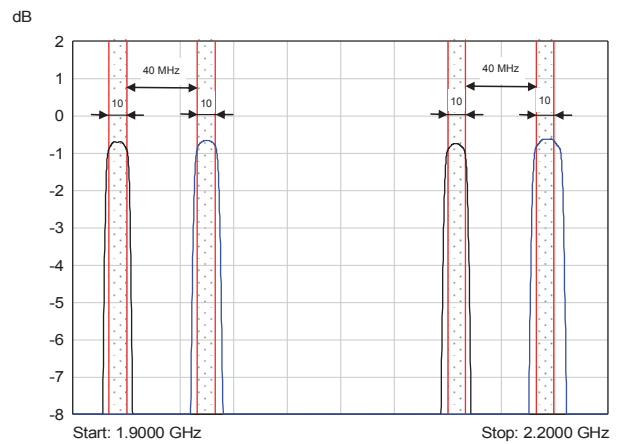
BN 57 36 60 F001 – Isolation



BN 57 36 60 F001 – Insertion loss



BN 57 36 60 F003 – Isolation

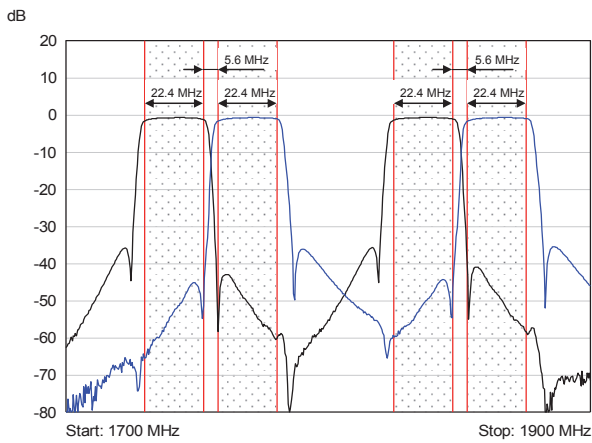


BN 57 36 60 F003 – Insertion loss

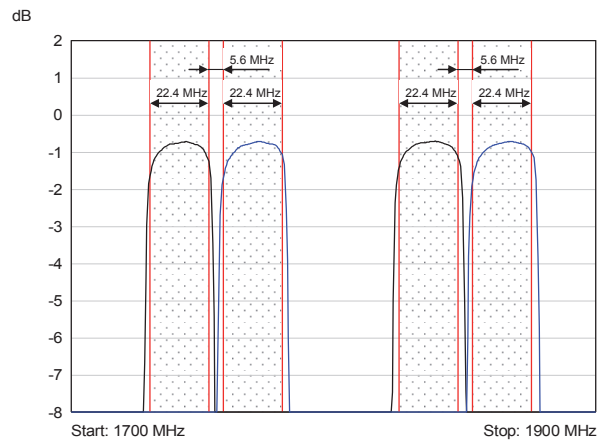
MNCS® – MOBILE NETWORK COMBINING SYSTEM

Multiplexer GSM1800 | UMTS – Abgleichbeispiel / Tuning Example

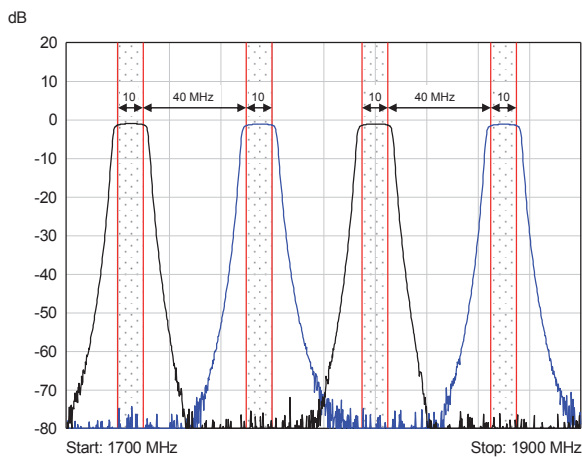
Bestellnummer Part Number		BN 57 36 63 F001 (6 cavities)	BN 57 36 63 F005 (6 cavities)
Frequenzbereich Frequency range	Tor/port 1 Tor/port 2	1730.1 - 1752.5 MHz (UL) / 1825.1 - 1847.5 MHz (DL) 1758.1 - 1780.5 MHz (UL) / 1853.1 - 1875.5 MHz (DL)	1720.0 - 1730.0 MHz (UL) / 1815.0 - 1825.0 MHz (DL) 1770.0 - 1780.0 MHz (UL) / 1865.0 - 1875.0 MHz (DL)
Durchgangsdämpfung Insertion loss		≤ 2.0 dB	≤ 1.8 dB
Entkopplung Isolation		≥ 35 dB	≥ 80 dB
VSWR		≤ 1.25	≤ 1.25



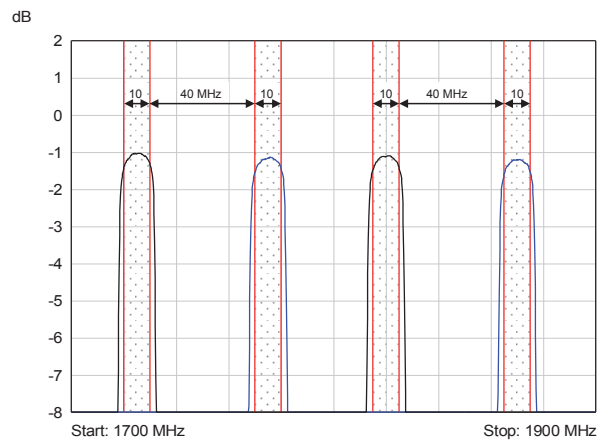
BN 57 36 63 F001 – Isolation



BN 57 36 63 F001 – Insertion loss



BN 57 36 63 F005 – Isolation



BN 57 36 63 F005 – Insertion loss