HIRSCHMANN MOBILITY

CELLULAR (2G/3G/4G) Magnetic Antenna

CEL 7026 RD M/series

Pt no.

955-006-...

- 2G through 4G / LTE service

Subject to alterations

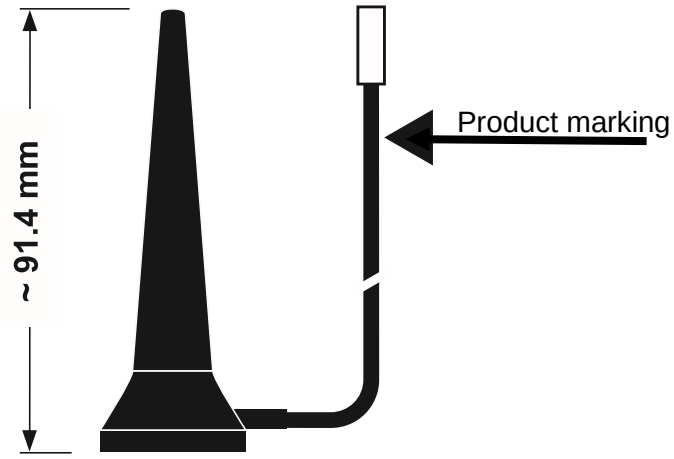
Technical data

Dimensions		Ø 30 mm x 91.4 mm
Housing Materials		ASA+PC
Weight		ca.71g
Temperature range		-40–+80°C
Protection class		IP66(acc. IEC60529)
CELLULAR		
Frequency range	LTE (low): LTE (high): GSM 850: GSM 900: GSM 1800: GSM 1900: UMTS:	698 - 862 MHz 2305 - 2690 MHz 824 - 894 MHz 880 - 960 MHz 1710 - 1880 MHz 1850 -1990 MHz 1920 - 2170 MHz
Impedance		50 Ohm
Load capacity	max.	10 W pulsed acc. GSM standard
Return loss		> 12dB
Gain		3 dBi

Product name	Order code	Cable	Connector
		RG 174 Low Loss	
CEL 7026 RD M/FME/2.5	955-006-001	2500 mm	FMEf
CEL 7026 RD M/SMA/2.5	955-006-002	2500 mm	SMAm

Subject to alterations

Technical drawings



Installation

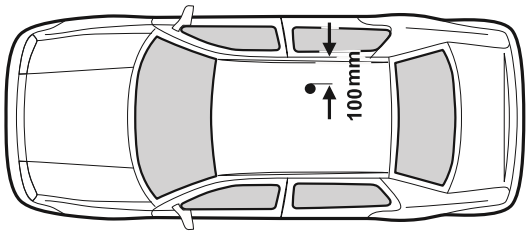


Fig. 1

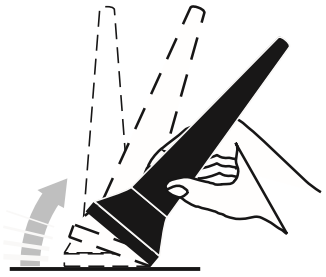


Fig. 2

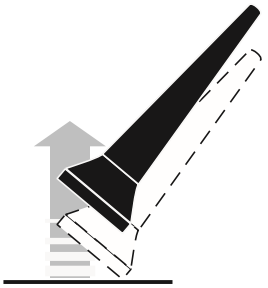
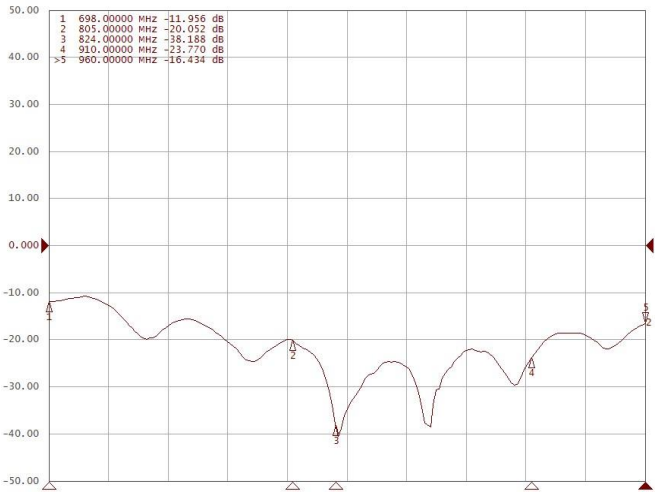


Fig. 3

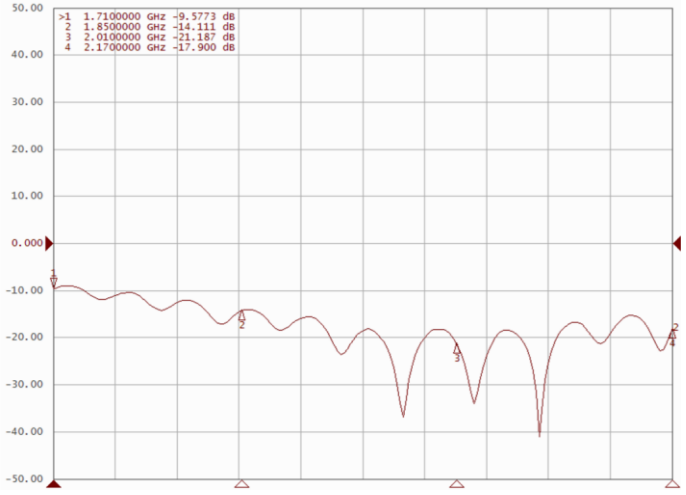
Antenna diagrams

Typical VSWR

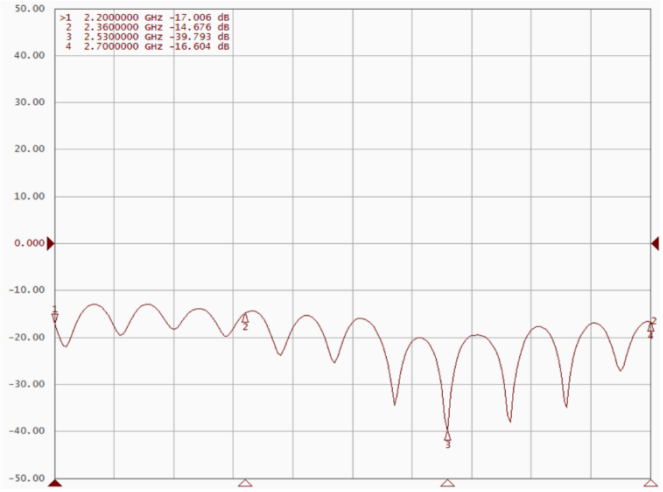
LTE/Cellular Low Band



Cellular High Band

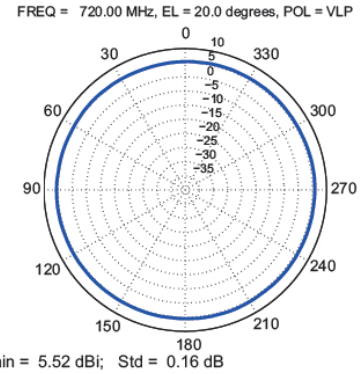


LTE High Band

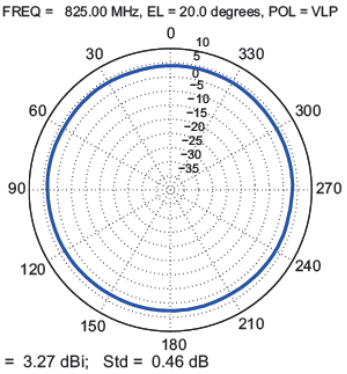


Antenna diagrams

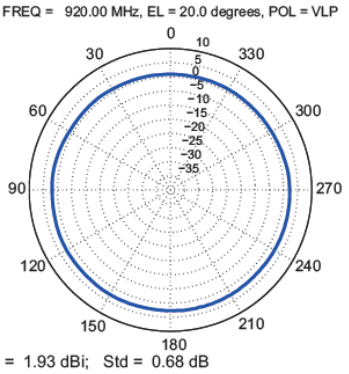
Typ. radiation pattern (H-plane)



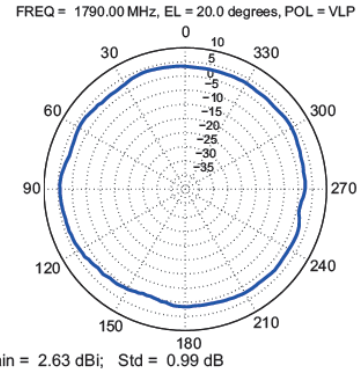
Lin. Avg. Gain = 5.52 dBi; Std = 0.16 dB
Min. Gain = 5.16 dBi; Max. Gain = 5.90 dBi



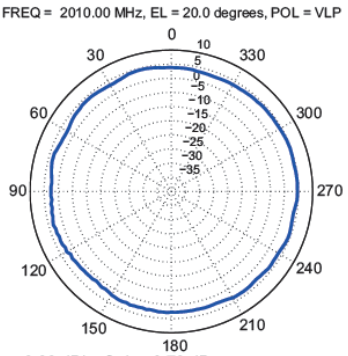
Lin. Avg. Gain = 3.27 dBi; Std = 0.46 dB
Min. Gain = 2.54 dBi; Max. Gain = 3.98 dBi



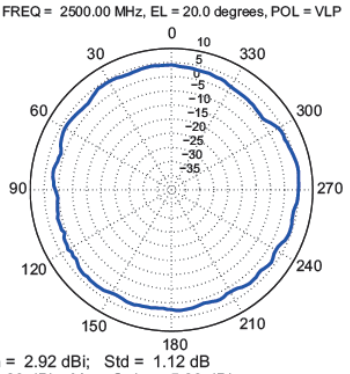
Lin. Avg. Gain = 1.93 dBi; Std = 0.68 dB
Min. Gain = 0.82 dBi; Max. Gain = 2.87 dBi



Lin. Avg. Gain = 2.63 dBi; Std = 0.99 dB
Min. Gain = −0.21 dBi; Max. Gain = 4.43 dBi



Lin. Avg. Gain = 3.39 dBi; Std = 0.79 dB
Min. Gain = 1.28 dBi; Max. Gain = 4.71 dBi



Lin. Avg. Gain = 2.92 dBi; Std = 1.12 dB
Min. Gain = 0.28 dBi; Max. Gain = 5.38 dBi

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