

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)

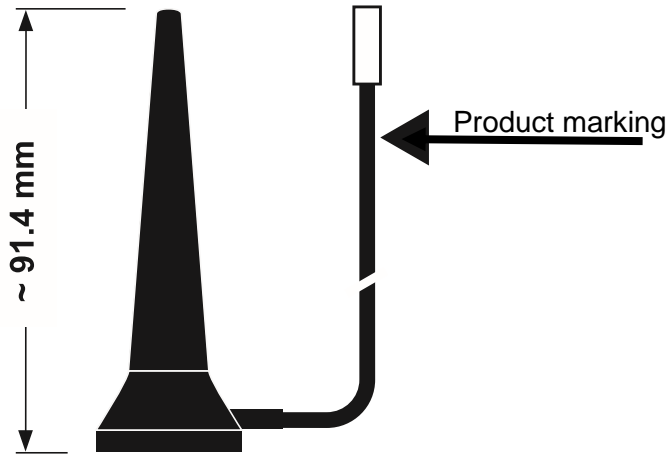
CELLULAR

Frequency range	LTE (low): 698 - 862 MHz LTE (high): 2305 - 2690 MHz GSM 850: 824 - 894 MHz GSM 900: 880 - 960 MHz GSM 1800: 1710 - 1880 MHz GSM 1900: 1850 -1990 MHz UMTS: 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

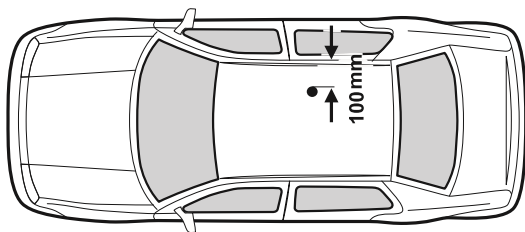


Fig. 1

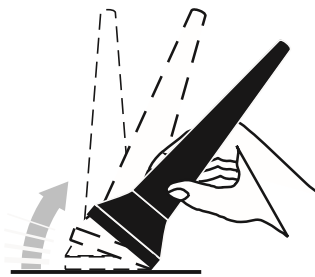


Fig. 2

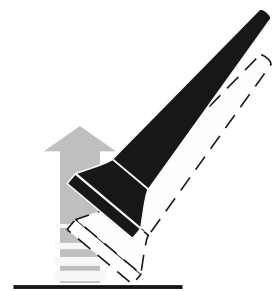
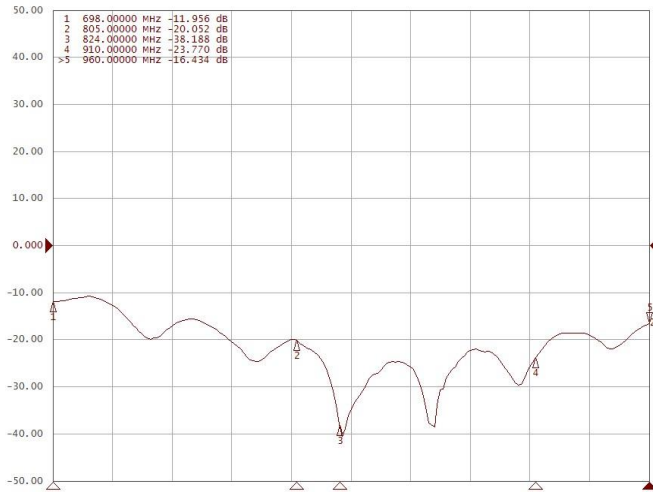


Fig. 3

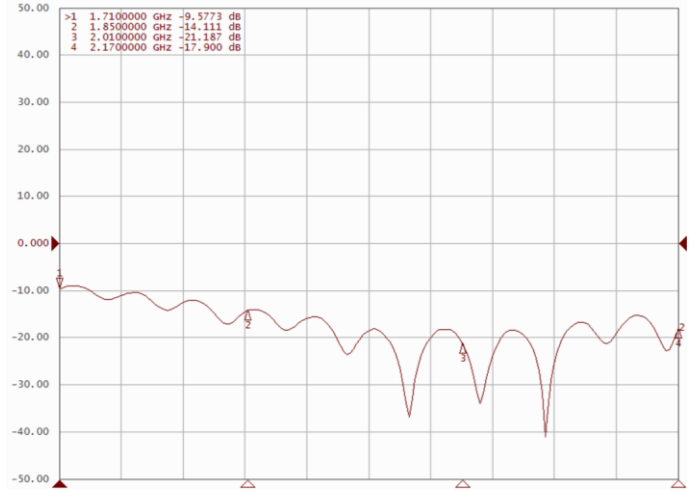
Antenna diagrams

Typical VSWR

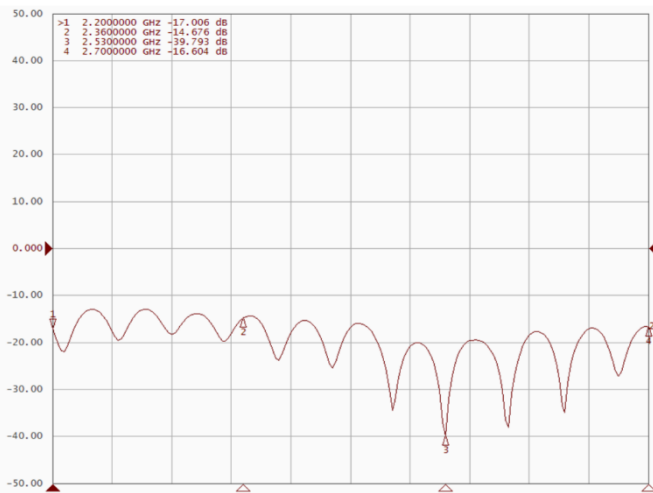
LTE/Cellular Low Band



Cellular High Band



LTE High Band



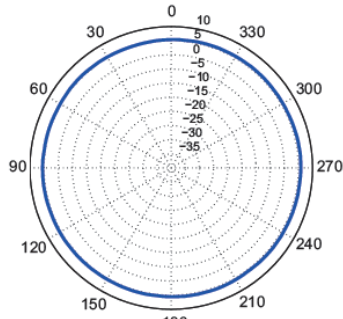
CELLULAR (2G/3G/4G) MAGNETIC ANTENNA

CEL 7026 RD M/series Pt no. 955-006-...

Antenna diagrams

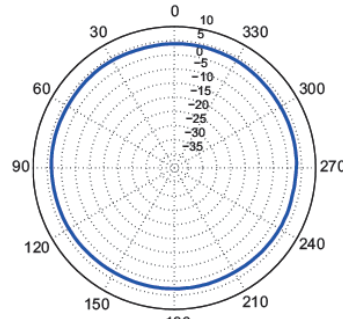
Typ. radiation pattern (H-plane)

FREQ = 720.00 MHz, EL = 20.0 degrees, POL = VLP



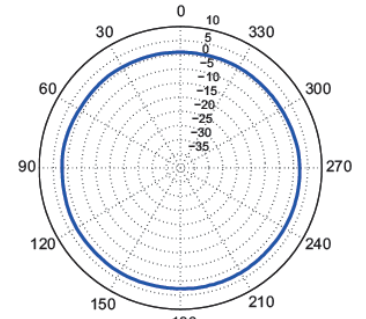
Lin. Avg. Gain = 5.52 dBi; Std = 0.16 dB
Min. Gain = 5.16 dBi; Max. Gain = 5.90 dBi

FREQ = 825.00 MHz, EL = 20.0 degrees, POL = VLP



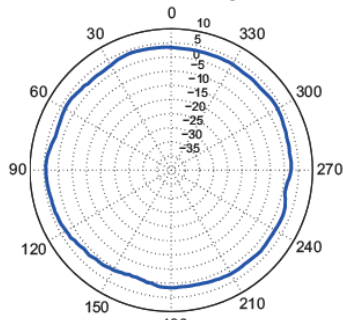
Lin. Avg. Gain = 3.27 dBi; Std = 0.46 dB
Min. Gain = 2.54 dBi; Max. Gain = 3.98 dBi

FREQ = 920.00 MHz, EL = 20.0 degrees, POL = VLP



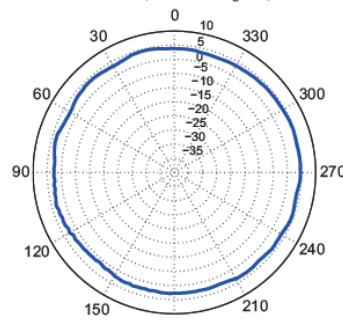
Lin. Avg. Gain = 1.93 dBi; Std = 0.68 dB
Min. Gain = 0.82 dBi; Max. Gain = 2.87 dBi

FREQ = 1790.00 MHz, EL = 20.0 degrees, POL = VLP



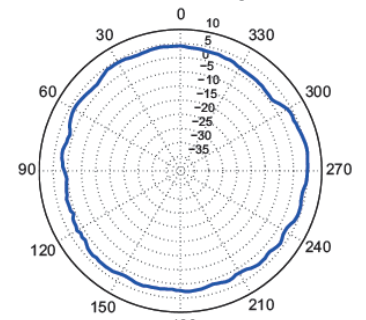
Lin. Avg. Gain = 2.63 dBi; Std = 0.99 dB
Min. Gain = -0.21 dBi; Max. Gain = 4.43 dBi

FREQ = 2010.00 MHz, EL = 20.0 degrees, POL = VLP



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

FREQ = 2500.00 MHz, EL = 20.0 degrees, POL = VLP



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

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