

Datenblatt / Datasheet

Magnethaft-Antenne
Magnetic Mount Antenna

CEL 70 26 RD M series

Erz-Nr. / Ord. code

955 006-...

**LTE, GSM 850, GSM 900, GSM 1800,
GSM 1900, UMTS**



Änderungen vorbehalten / Subject to alterations

Technische Daten / Technical data

Abmessungen / Dimensions	Ø 30 mm x 91.4 mm
Gehäusematerial / Housing Materials	ASA + PC
Gewicht / Weight	ca. 71 g
Temperaturbereich / Temperature range	-40 - +80° C
Schutzklasse / Protection class	IP66 (acc. IEC 60529)
CELLULAR	
Frequenzbereich / Frequency range	LTE (low) 698 to 862 MHz LTE (high): 2305 to 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
Impedanz / Impedance	50 Ohm
Belastbarkeit / Load capacity	max. 10 W gepulst, pulsed acc. GSM standard
Rückflusdämpfung / Return loss	> 12 dB
Gewinn / Gain	3 dBi

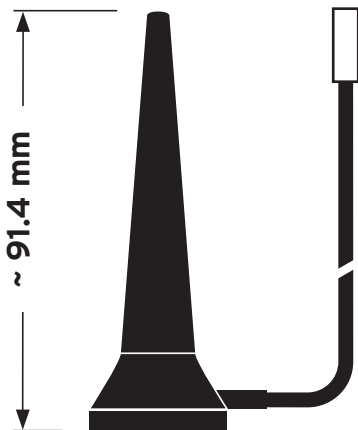
Product name	Order code		Cable	Connector
CEL 70 26 RD M/FME/2.5	US	HCEL-MX-0150A-01	2500 mm	FMEf
	EU	955 006-001		
CEL 70 26 RD M/SMA/2.5	US	HCEL-MX-0150A-02	2500 mm	SMAM
	EU	955 006-002		

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Technische Zeichnungen Technical drawings



Montage / Installation

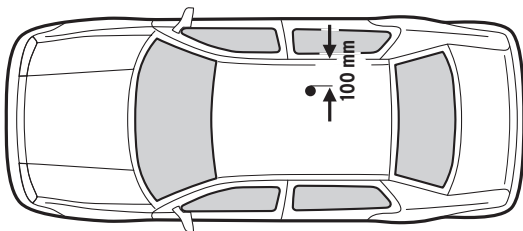


Fig. 1



Fig. 2

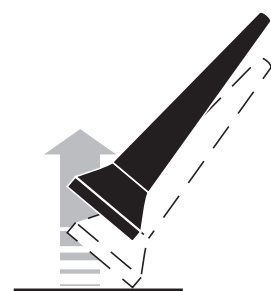


Fig. 3

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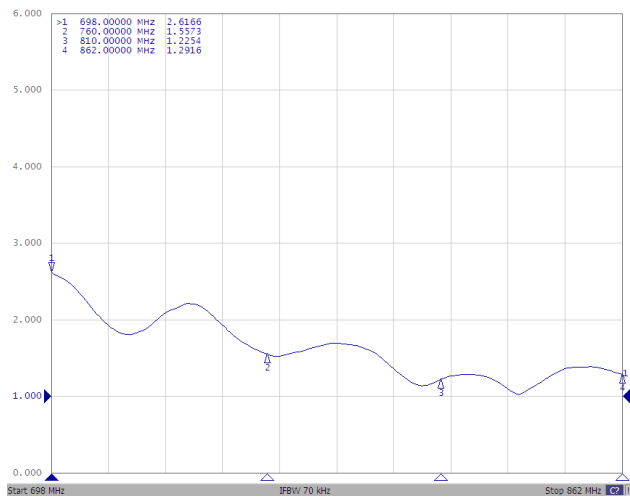
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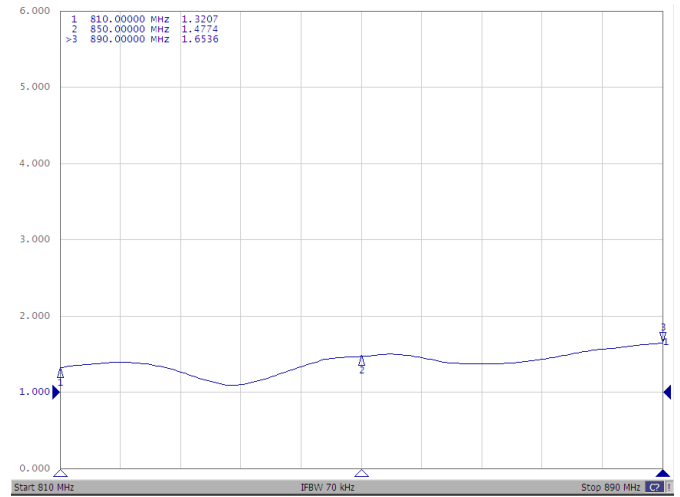
Antennendiagramme
Antenna diagrams

Typ. VSWR / Typ. VSWR

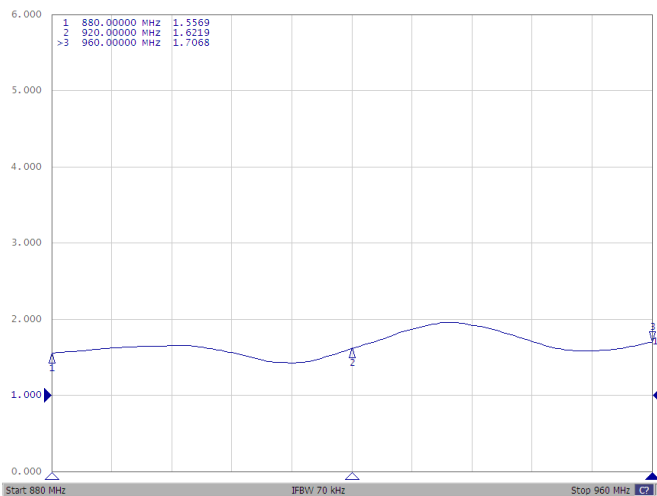
LTE Low Band



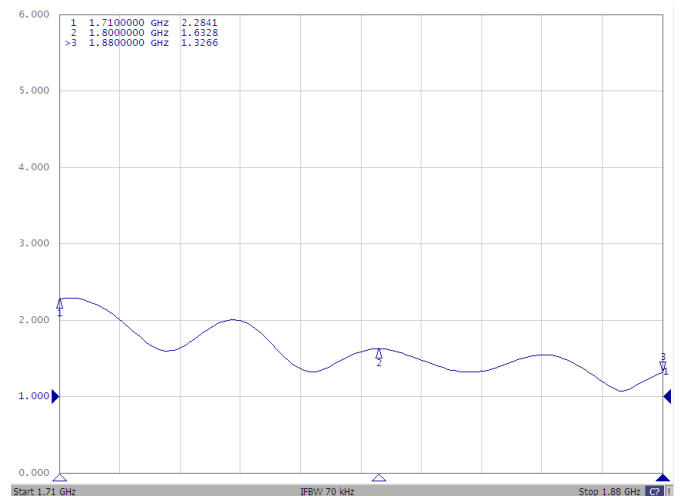
GSM 850



GSM 900



GSM 1800



CEL 70 26 RD M series

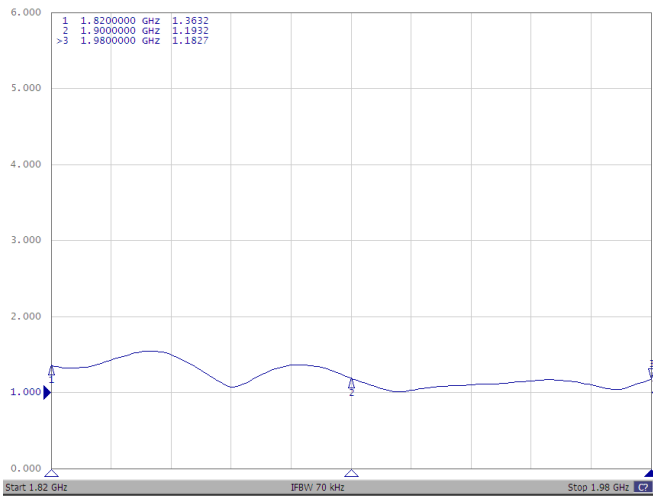
Erz-Nr. / Ord. code

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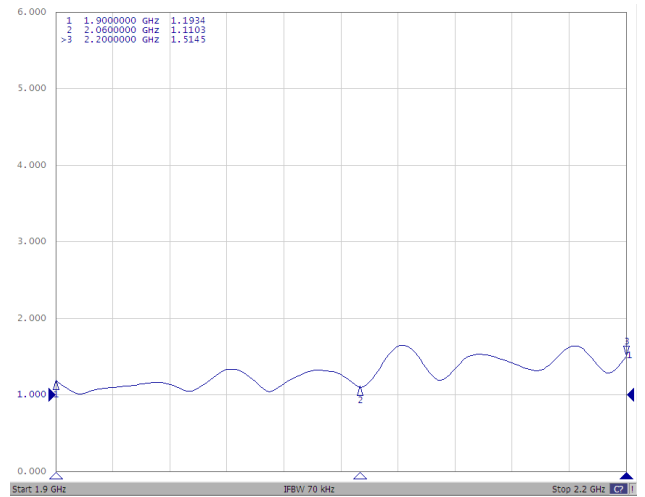
Antennendiagramme Antenna diagrams

Typ. VSWR / Typ. VSWR

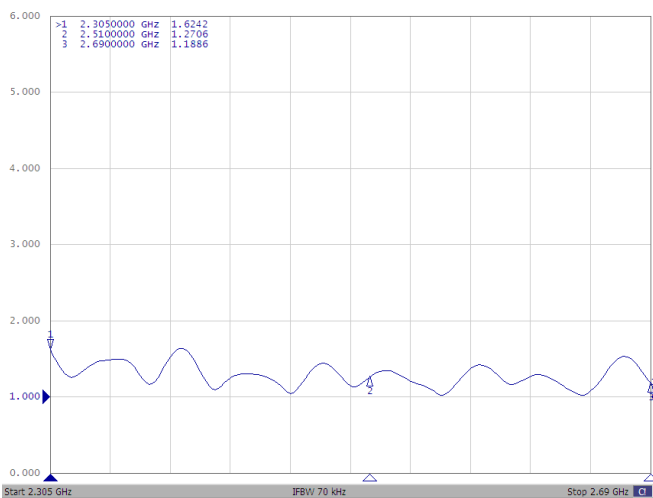
GSM 1900



UMTS



LTE High Band



CEL 70 26 RD M series

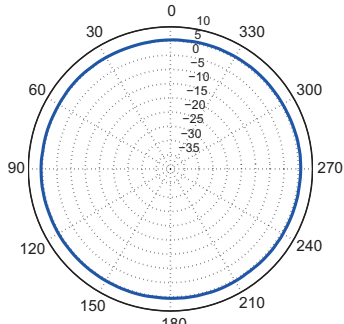
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Antennendiagramme Antenna diagrams

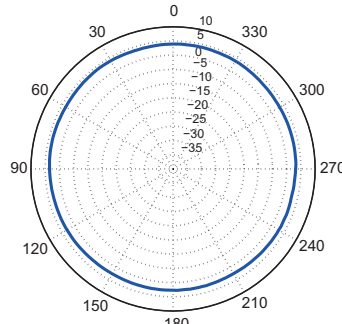
Typ. Strahlungsdiagramm (H-Ebene) / Typ. radiation pattern (H-plane)

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



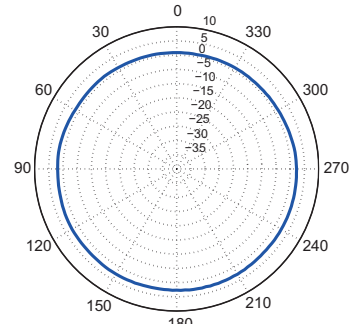
Lin. Avg. Gain = 5.52 dBi; Std = 0.16 dB
Min. Gain = 5.16 dBi; Max. Gain = 5.90 dBi

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



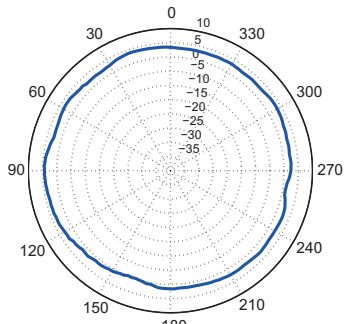
Lin. Avg. Gain = 3.27 dBi; Std = 0.46 dB
Min. Gain = 2.54 dBi; Max. Gain = 3.98 dBi

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



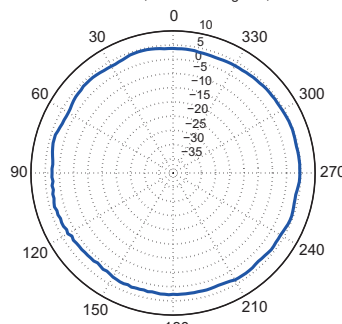
Lin. Avg. Gain = 1.93 dBi; Std = 0.68 dB
Min. Gain = 0.82 dBi; Max. Gain = 2.87 dBi

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



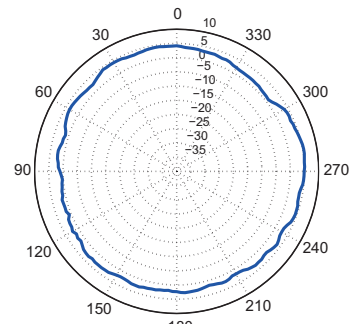
Lin. Avg. Gain = 2.63 dBi; Std = 0.99 dB
Min. Gain = -0.21 dBi; Max. Gain = 4.43 dBi

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