

LTE / GSM / UMTS Antenna SMA plug 3 dBi fixed omnidirectional with magnetic base and connection cable RG-174 2 m outdoor black

Description

This antenna by Delock allows the usage of different LTE, GSM and UMTS bands outside. It is completely compatible to Bluetooth, WLAN 2.4 GHz, ZigBee, DECT, Z-Wave and LoRa 868 MHz / 915 MHz.



Item no. 12416

EAN: 4043619124169

Country of origin: Taiwan,
Republic of China

Package: Poly bag

Technical details

- Connector: 1 x SMA plug
- Frequency range:
800 - 960 MHz
1710 - 2700 MHz
- GSM, UMTS, Bluetooth, WLAN 2.4 GHz, ZigBee, DECT, Z-Wave, LoRa 868 MHz / 915 MHz
- Antenna gain: 3 dBi
- Impedance: 50 Ohm
- Polarisation: vertical
- VSWR: 2.0
- Operating temperature: -30 °C ~ 70 °C
- Colour: black
- Antenna length including magnetic base: ca. 88.7 mm
- Cable: coaxial
- Cable type: RG-174
- Cable colour: black
- Cable loss: 1.5 dB @ 1.5 GHz per meter
- Cable diameter: ca. 2.7 mm
- Cable length incl. connector: ca. 2 m
- Diameter magnetic base: ca. 29.0 mm

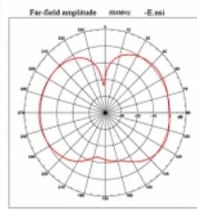
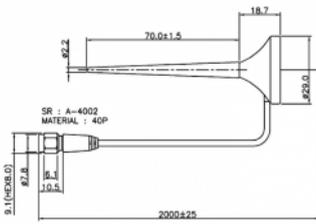
System requirements

- Device with a free SMA jack

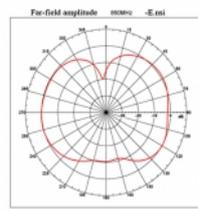
Package content

- Antenna

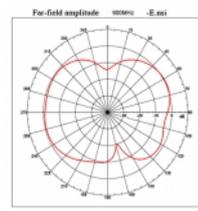
Images



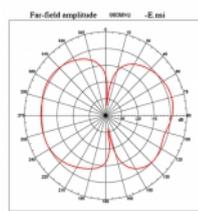
Far-field amplitude 100000 Hz E-azi
 Measurement data and parameters for the 100000 Hz E-azi plot.



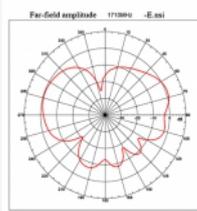
Far-field amplitude 100000 Hz H-azi
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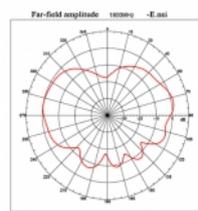
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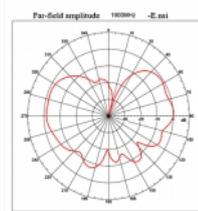
Far-field amplitude 173000 Hz E-azi
 Measurement data and parameters for the 173000 Hz E-azi plot.



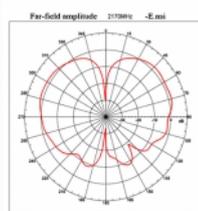
Far-field amplitude 173000 Hz H-azi
 Measurement data and parameters for the 173000 Hz H-azi plot.



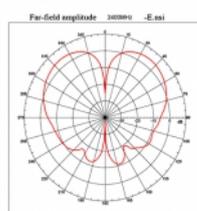
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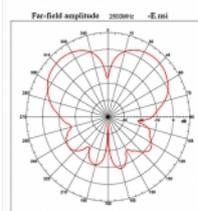
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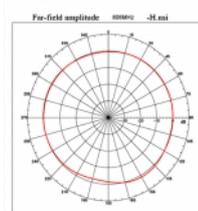
Far-field amplitude 217000 Hz E-azi
 Measurement data and parameters for the 217000 Hz E-azi plot.



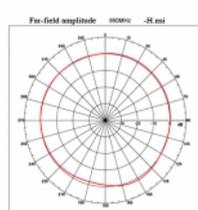
Far-field amplitude 200000 Hz E-azi
 Measurement data and parameters for the 200000 Hz E-azi plot.



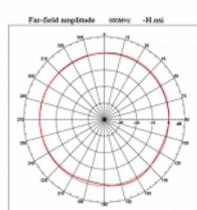
Far-field amplitude 200000 Hz H-azi
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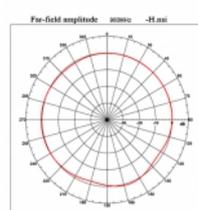
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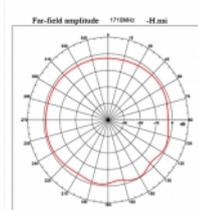
Far-field amplitude 200000 Hz H-azi
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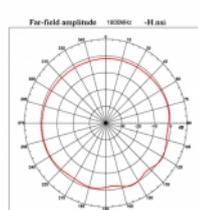
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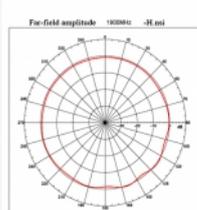
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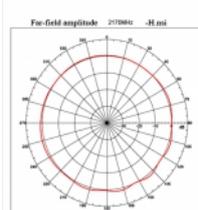
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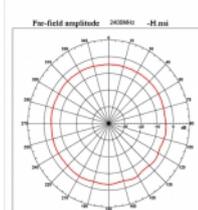
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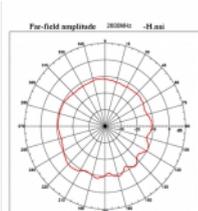
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Far-field amplitude 217000 Hz H-azi
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Far-field amplitude 200000 Hz H-azi
 Measurement data and parameters for the 200000 Hz H-azi plot.



Far-field amplitude 200000 Hz H-azi
 Measurement data and parameters for the 200000 Hz H-azi plot.

General

Mounting type:	magnetic
Suitable for indoor:	yes
Suitable for outdoor:	yes

Interface

Connector:	1 x SMA plug
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Technical characteristics

Frequency range:	1710 - 2700 MHz 800 - 960 MHz
Antenna gain:	3 dBi
Gain:	0 - 3 dBi
Impedance:	50 Ω
Operating temperature:	-30 °C ~ 70 °C
Polarisation:	vertical
VSWR:	2.0

Physical characteristics

Antenna type:	omnidirectional
Antenna length including magnetic base:	88.7 mm
Diameter magnetic base:	29 mm
Height magnetic base:	18.7 mm
Cable category:	coaxial
Cable type:	RG-174
Cable attenuation:	1.5 dB @ 1.5 GHz per meter
Cable colour:	black

Cable length incl. connectors:	2 m
Connector finishing:	gold-plated
Colour:	black
Cable diameter:	2.7 mm

Manufacturer information

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