

# Delock LTE Antenna SMA plug 2 - 6,5 dBi 27 cm omnidirectional fixed pole mount white outdoor

## Description

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



## Specification

- Connector: 1 x SMA plug
- Frequency range:
  - 698 - 960 MHz
  - 1710 - 2700 MHz
- ZigBee, Bluetooth, WLAN 2.4 GHz, DECT, Z-Wave, LoRa 868 MHz / 915 MHz
- Antenna gain: 2 - 6.5 dBi
- Impedance: 50 Ohm
- VSWR: 2.0
- Polarisation: vertical
- HBW horizontal beamwidth: 360°
- VBW vertical beamwidth: 60°
- Transmission power: max. 100 W
- Antenna type: rod antenna
- Operating temperature: -40 °C ~ 70 °C
- Housing material: GFRP UV resistant
- Colour: white
- Cable: coaxial
- Cable type: RG-174
- Cable colour: black
- Cable diameter: ca. 2.7 mm
- Cable length incl. connectors: ca. 30 cm
- Antenna length: ca. 28 cm
- Diameter:
  - ca. 22.00 mm (max.)
  - ca. 9.00 mm (SMA)

## System requirements

- Device with a free SMA jack

## Package content

- LTE antenna
- Pole mounting kit

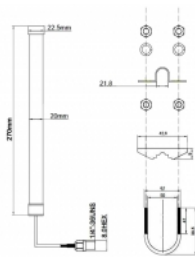
## Item no. 12433

EAN: 4043619124336

Country of origin: Taiwan, Republic of China

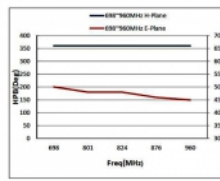
Package: Poly bag

Images



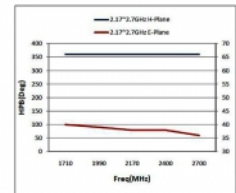
| H-Plane |           |
|---------|-----------|
| MHz     | HPBW(Deg) |
| 698     | 360       |
| 800     | 360       |
| 960     | 360       |
| Average | 360       |

| E-Plane |           |
|---------|-----------|
| MHz     | HPBW(Deg) |
| 698     | 50        |
| 800     | 48        |
| 960     | 45        |
| Average | 47.7      |

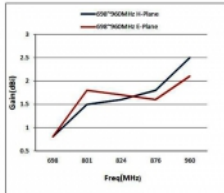


| H-Plane |           |
|---------|-----------|
| MHz     | HPBW(Deg) |
| 1710    | 360       |
| 2170    | 360       |
| 2400    | 360       |
| 2700    | 360       |
| Average | 360       |

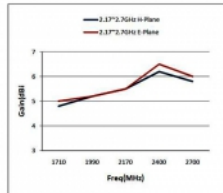
| E-Plane |           |
|---------|-----------|
| MHz     | HPBW(Deg) |
| 1710    | 40        |
| 2170    | 38        |
| 2400    | 38        |
| 2700    | 36        |
| Average | 38        |



| H-Plane |     |
|---------|-----|
| MHz     | dBi |
| 698     | 0.8 |
| 800     | 1.5 |
| 960     | 2.5 |
| Average | 1.6 |

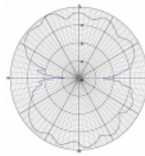


| H-Plane |      |
|---------|------|
| MHz     | dBi  |
| 1710    | 4.8  |
| 2170    | 5.5  |
| 2400    | 6.2  |
| 2700    | 5.8  |
| Average | 5.58 |

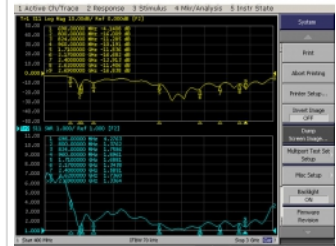
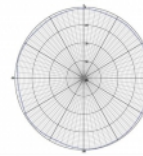


| E-Plane |      |
|---------|------|
| MHz     | dBi  |
| 1710    | 5.5  |
| 2170    | 5.5  |
| 2400    | 6.5  |
| 2700    | 6    |
| Average | 5.55 |

Vertical



Horizontal



| General                       |                                      |
|-------------------------------|--------------------------------------|
| Mounting type:                | pole                                 |
| Protection category:          | without                              |
| Suitable for indoor:          | yes                                  |
| Suitable for outdoor:         | yes                                  |
| Interface                     |                                      |
| connector:                    | SMA plug                             |
| Technical characteristics     |                                      |
| Frequency range:              | 1710 - 2700 MHz<br>698 MHz - 960 MHz |
| Antenna gain:                 | 2 - 6.5 dBi                          |
| Beam width horizontal:        | 360°                                 |
| Beam width vertical:          | 60°                                  |
| Impedance:                    | 50 Ω                                 |
| Operating temperature:        | -40 °C ~ 70 °C                       |
| Polarisation:                 | vertical                             |
| Power handling:               | max. 100 W                           |
| VSWR:                         | 2.0                                  |
| Physical characteristics      |                                      |
| Housing colour:               | white                                |
| Housing material:             | GFRP                                 |
| Weight:                       | 0.12 kg                              |
| Cable category:               | coaxial cable                        |
| Cable type:                   | RG-174                               |
| Cable attenuation:            | 0.5 dB @ 800 MHz per meter           |
| Cable colour:                 | black                                |
| Cable diameter:               | 2.7 mm                               |
| Cable length incl. connector: | 30 cm                                |
| Diameter:                     | 2.25 cm                              |
| Length:                       | 29.5 cm                              |
| Width:                        | 21 cm                                |
| Height:                       | 6.3 cm                               |