

# Delock Multiband LTE-MIMO UMTS GSM GNSS Antenna 3 x SMA plug omnidirectional roof mount black outdoor

## Description

This multiband antenna by Delock has three physically separated transmitting and receiving units. Two PIFA antennas, respectively, for LTE and GSM / UMTS are responsible for sending and receiving in these areas. The GNSS patch antenna receives the signals of the Global Navigation Satellite Systems GNSS.

Due to its outdoor features, the multiband antenna is well suitable for usage in harsh areas such as transportation, forestry, agriculture, construction and in the maritime sector. It is waterproof, shock resistant and can be used in the extended temperature range.



**Item no. 12717**

EAN: 4043619127177

Country of origin: China

Package: White Box

## Technical details

- Connectors: 3 x SMA plug
- LTE GSM UMTS:
  - Frequency range:
    - 0.698 - 0.960 GHz
    - 1.710 - 2.700 GHz
  - GSM / UMTS / ZigBee / Z-Wave / LoRa / NB-IoT / WLAN 2,4 GHz / Bluetooth
  - Antenna gain: 2 dBi
  - Impedance: 50 Ohm
  - VSWR: 2.5
  - Polarisation: linear
  - Cable type: coaxial
  - Cable type: RG-174
  - Cable diameter: ca. 2.7 mm
  - Cable attenuation: 1.5 dB @ 1.5 GHz per meter

- GNSS:  
Frequency range:  
GNSS: L1, 1.57542 GHz, 1.598 - 1.610 GHz  
Antenna gain: 3 dBi  
Impedance: 50 Ohm  
VSWR: 2.5  
Polarisation: RHCP  
Cable type: coaxial  
Cable type: RG-174  
Cable diameter: ca. 2.7 mm  
Cable attenuation: 1.5 dB @ 1.5 GHz per meter
- LNA GNSS:  
Frequency range:  
GNSS: L1, 1.57542 GHz  
Gain: 28 dBi  
VSWR: 2.0  
Impedance: 50 Ohm  
Operating voltage: 2.2 - 5.0 V  
Current consumption: 5 - 15 mA
- Screw-on mounting
- Operating temperature: -40 °C ~ 85 °C
- Housing material: ABS
- Colour: black
- Protection class: IP67
- Cable colour: black
- Cable length incl. connectors: ca. 3 m
- Dimensions (Ø x H): ca. 81.0 x 15.5 mm
- Mounting hole diameter: 12 mm

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## System requirements

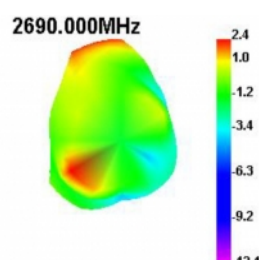
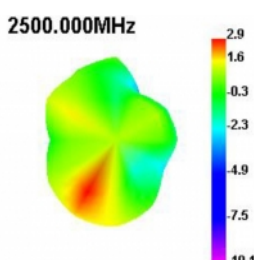
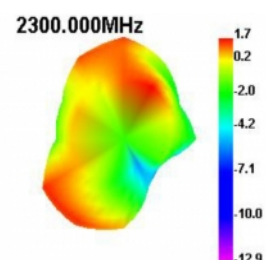
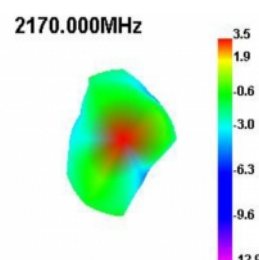
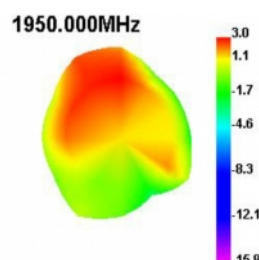
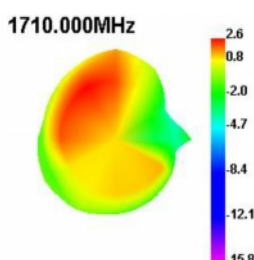
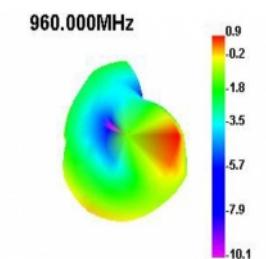
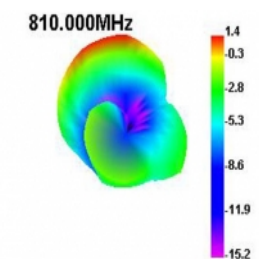
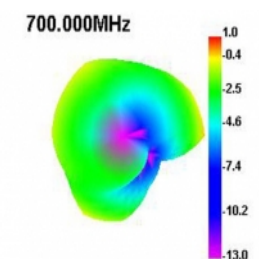
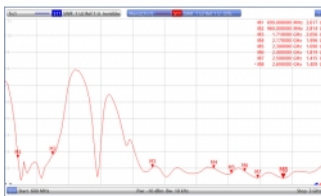
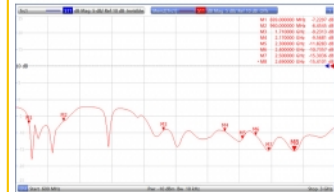
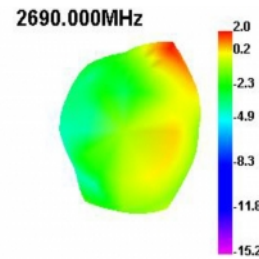
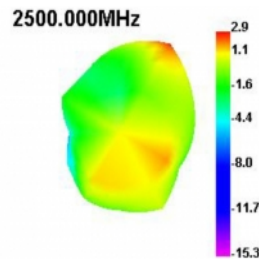
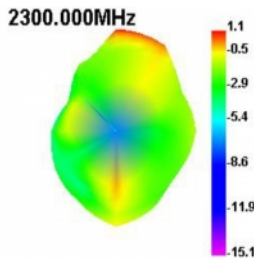
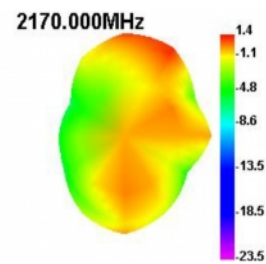
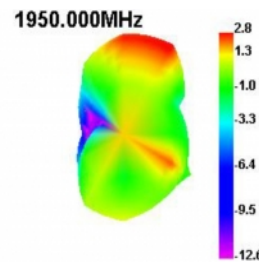
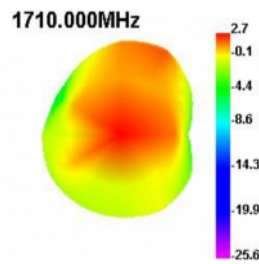
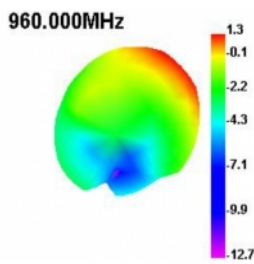
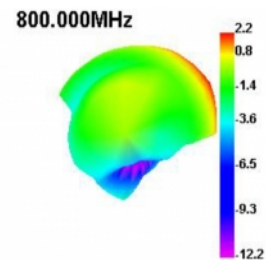
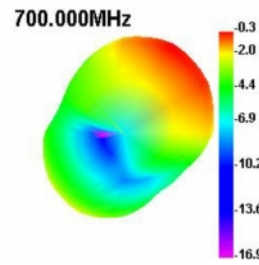
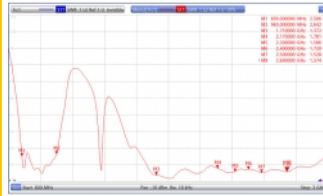
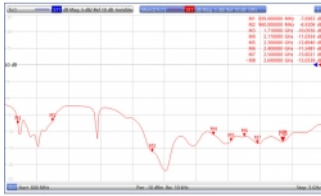
- Device with multiple free SMA ports

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## Package content

- Multiband antenna
- Nut

Images



## General

Mounting type:	design mounting
Protection category:	IP67
Suitable for outdoor:	yes

## Interface

connector:	3 x SMA
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## Technical characteristics

Operating voltage:	2.2 - 5.0 V
Frequency range:	1.57542 GHz 1.71 GHz - 2.70 GHz 698 MHz - 960 MHz 1.598 - 1.610 GHz
Gain:	4 dBi 28 dBi 3 dBi
Impedance:	50 Ω
Operating temperature:	-40 °C ~ 80 °C
Polarisation:	RHCP linear vertical
Power handling:	5 W
Current consumption:	5 - 15 mA
VSWR:	2.5 2.0

## Physical characteristics

Housing colour:	black
Housing material:	ABS
Weight:	1,2 kg

Cable category:	coaxial cable
Cable type:	RG-174
Cable attenuation:	1.5 dB @ 1.5 GHz per meter
Cable colour:	black
Cable length:	3 m (incl. connectors)
Diameter:	81.0 mm
Height:	15.0 mm