

# Delock Multiband LTE 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.



## Specification

- 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

## Item no. 12717

EAN: 4043619127177

Country of origin: China

Package: White Box

- Cable length incl. connectors: ca. 3 m
- Dimensions (Ø x H): ca. 81.0 x 15.5 mm
- Mounting hole diameter: 12 mm

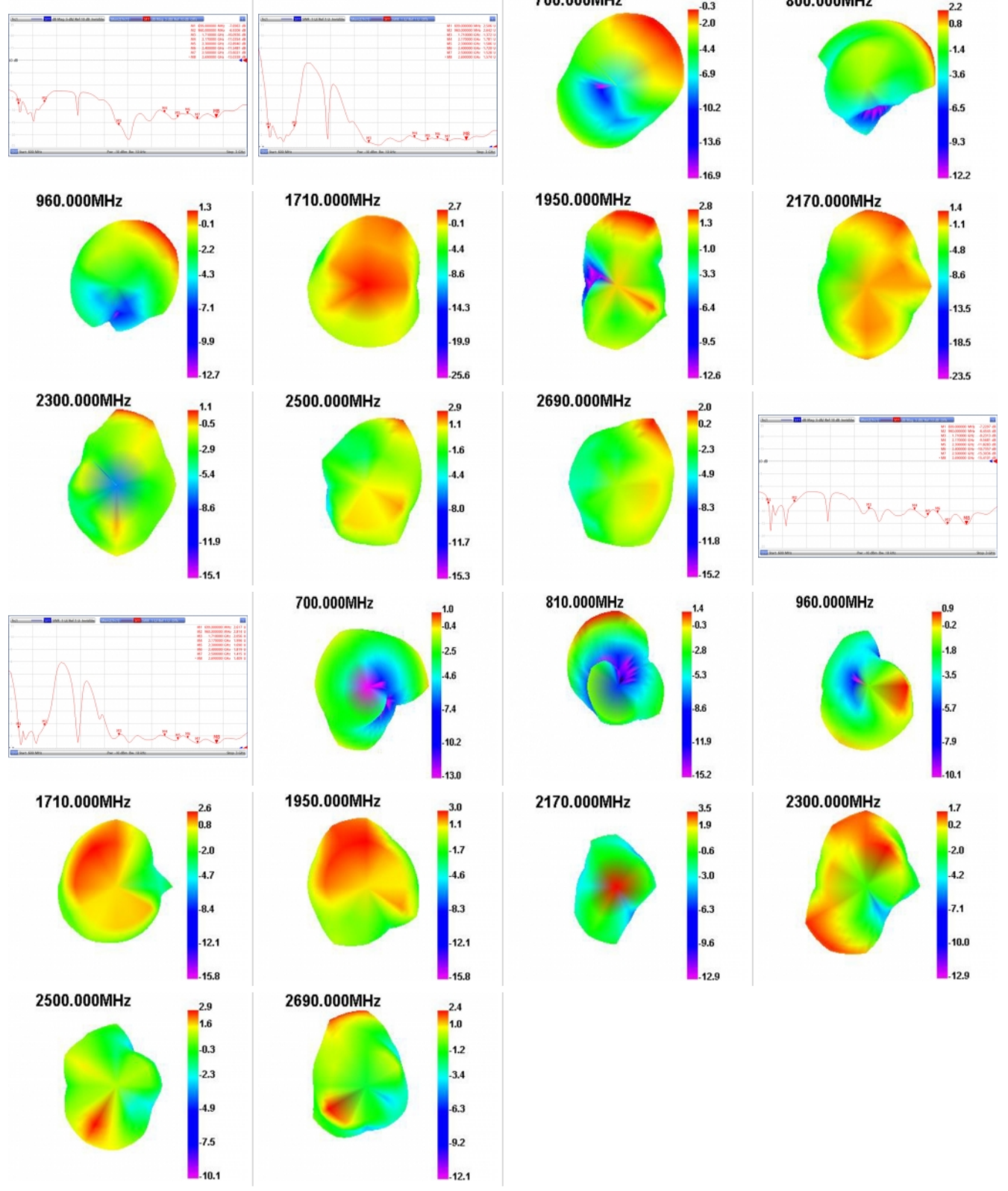
#### System requirements

- Device with multiple free SMA ports

#### Package content

- Multiband antenna
- Nut

Images



General	
Mounting type:	design mounting
Protection category:	IP67
Suitable for outdoor:	yes
Interface	
connector:	3 x SMA
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 $\Omega$
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)
Cable diameter:	2.7 mm
Diameter:	81.0 mm
Height:	15.0 mm