



## TRIPLE BAND OMNI ANTENNA

# WiOmni 5G/LTE MIMO 2x2, ver. US

WiOmni 5G/LTE omnidirectional MIMO 2x2 is ultra wideband LTE Outdoor antenna. It's primary designed for LTE/5G/3G/2G devices which require high efficiency connections. The antenna covers many LTE bands including the new Extended LTE Band 71, frequencies: 617 - 3800MHz. The mounting bracket allows the antenna to be installed on the buildings (on the pole or on the wall) as the client antenna or on the moving points like trains, buses, lorries, yachts, boats to receive Internet by LTE/5G/3G/2G. It's ideal solution to use with all industrial and domestic 2x2 LTE modems and routers like: Teltonika, DIGI, Mikrotik, Robustel, Cisco, etc.

ROHS



## Electrical specification

|                               |   |
|-------------------------------|---|
| Frequency                     | 0.617 - 0.96 GHz<br>1.7 - 2.7 GHz<br>3.3 - 3.8 GHz          |
| Gain                          | 3 dBi<br>4 dBi<br>4 dBi                                     |
| VSWR                          | <1.80, max < 2.00<br><1.80, max < 2.00<br><1.80, max < 2.00 |
| Beamwidth                     | 360°/35° +/- 5°<br>360°/35° +/- 5°<br>360°/35° +/- 5°       |
| Polarization                  | V<br>V<br>V   |
| Cross-Polar Isolation         |   |
| Front-to-Back                 |   |
| Separation between Connectors |   |
| Impedance                     | 50 Ω  |
| Max Input Power               | 50 W  |
| Lighting Protection           | No  |
| DC Ground                     | No  |

## Mechanic specification

|                       |   |
|-----------------------|---|
| Dimensions            | 16 x 24 x 16 cm<br>6.3 x 9.45 x 6.3 inch  |
| Weight                | 1.5 kg                                    |
| Connector             | RJ45 & 2xSMA                              |
| Material              | ABS                                       |
| Waterproof level      | IP67                                      |
| Operating temperature | from -40°C to 75°C<br>from -40°F to 167°F |
| Wind resistance       | 150km/h                                   |

## Mounting Kit

|                      |   |
|----------------------|---|
| Dimensions           | 9 x 12 x 15 cm<br>3.54 x 4.72 x 5.91 inch |
| Regulation Range     | -   |
| Weight               | 0 kg                                      |
| Max Dimensions Range | mm  |
| Material             | stainless steel                           |

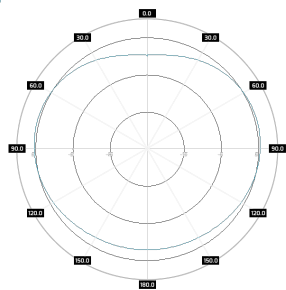
## Features

- Gain for the frequency of 617 - 960 MHz 2x 3 dBi
- Polarization V for the frequency of 617 - 960 MHz
- Gain for the frequency of 1700 - 2700 MHz 2x 4 dBi
- Polarization V for the frequency of 1700 - 2700 MHz
- Gain for the frequency of 3300 - 3800 MHz 2x 4 dBi
- Polarization V for the frequency of 3300 - 3800 MHz
- 2 x Connector SMA
- Big, ergonomic and voluminous **WiSpot + 2x SMA** enclosure for radio equipment installation
- Outdoor Waterproof Enclosure **WiSpot + 2x SMA**
- Designed and resistant for any weather conditions
- RJ45 Waterproof System
- 36 Warranty Months

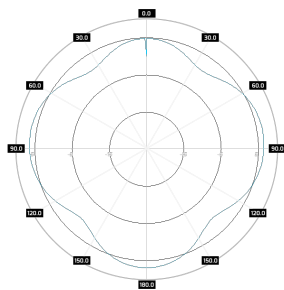
## Systems

- LTE band - 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 17, 18, 19, 20, 22, 23, 25, 26, 27, 28, 29, 30, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 48, 49, 52, 53, 65, 66, 67, 68, 69, 70, 71, 85
- WiMAX - 2.3 GHz, 2.5 GHz, 3.5 GHz, 700 MHz
- 3G - 2100 MHz, 850 MHz, 900 MHz
- GSM - 1800 MHz, 1900 MHz, 850 MHz
- RFID - 2400 - 2483 MHz, 865 - 868 MHz, 902 - 928 MHz
- ISM - 2400-2483 MHz, 868-870 MHz
- WLAN - 2.4 GHz, 3.6 GHz
- Bluetooth - 2400-2483 MHz

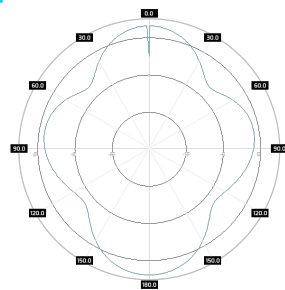
## Plots



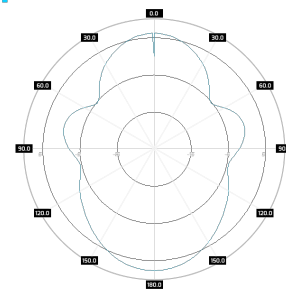
Azimuth  
800 MHz



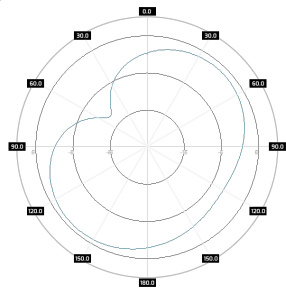
Azimuth  
1900 MHz



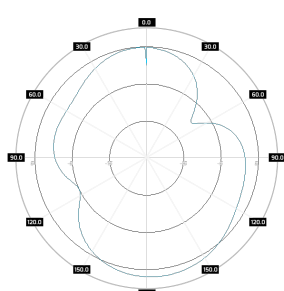
Azimuth  
2500 MHz



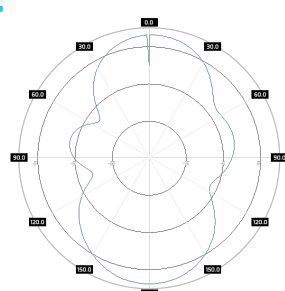
Azimuth  
3550 MHz



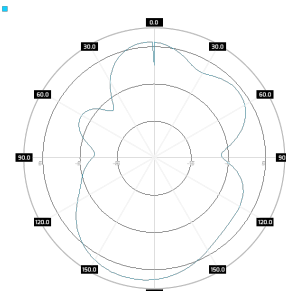
Elevation  
800 MHz



Elevation  
1900 MHz



Elevation  
2500 MHz



Elevation  
3550 MHz