



## DUAL BAND BASE SECTOR ANTENNA

# WiBOX SA D4M245-8035-1115V

Antenna **WiBOX SA D4M245-8035-1115V** MIMO4x4 is **dual-band 2,4&5 GHz** 4-patch directional high-performance antenna in one radome with an **installation compartment** for your device. Antenna work on 2,4&5 GHz simultaneously (**concurrent dual-band**) and it's predicted mainly for WiFi in **high or medium density** applications. SA D4M245-8035-1115V comes with No. 4 of RP-SMA/R-TNC pigtails inbuilt. It's predicted for building small cell in high-density environments like for **stadiums, lecture halls, concert halls**. The antenna is DC Grounded and contains special **WiMount** mounting kit powered by **Wireless Instruments**.

ROHS



### Electrical specification

|                               |  |
|-------------------------------|--|
| Frequency                     | <ul style="list-style-type: none"> <li>2.4 - 2.5 GHz</li> <li>5 - 6 GHz</li> </ul>                         |
| Gain                          | <ul style="list-style-type: none"> <li>11 dBi</li> <li>15 dBi</li> </ul>                                   |
| VSWR                          | <ul style="list-style-type: none"> <li>&lt;1.60, max &lt; 2.00</li> <li>&lt;1.60, max &lt; 2.00</li> </ul> |
| Beamwidth                     | <ul style="list-style-type: none"> <li>40°/80°</li> <li>25°/35°</li> </ul>                                 |
| Polarization                  | <ul style="list-style-type: none"> <li>V</li> <li>V</li> </ul>   |
| Cross-Polar Isolation         | >40 dB   |
| Front-to-Back                 | <ul style="list-style-type: none"> <li>&gt; 25 dB</li> <li>&gt; 25 dB</li> </ul>                           |
| Separation between Connectors |  |
| Impedance                     | 50 Ω   |
| Max Input Power               | 50 W   |
| Lighting Protection           | No   |
| DC Ground                     | Yes  |

### Mechanic specification

|                       |   |
|-----------------------|---|
| Dimensions            | 39.2 x 39.6 x 9.6 cm<br>15.43 x 15.59 x 3.78 inch |
| Weight                | 2.9 kg  |
| Connector             | RJ45 & 1xSMA                                      |
| Material              | ABS   |
| Waterproof level      | IP67  |
| Operating temperature | from -40°C to 80°C<br>from -40°F to 176°F         |
| Wind resistance       | 70km/h  |

### Mounting Kit

|                       |  |
|-----------------------|--|
| Dimensions            |  |
| Regulation Range      |  |
| Weight                |  |
| Mast Dimensions Range |  |
| Material              |  |

### Features

- > Gain for the frequency of 2400 - 2500 MHz 1x 11 dBi
- > Polarization V for the frequency of 2400 - 2500 MHz
- > Gain for the frequency of 5000 - 6000 MHz 1x 15 dBi
- > Polarization V for the frequency of 5000 - 6000 MHz
- > 1 x Connector SMA
- > Big, ergonomic and voluminous **WiBOX Large** enclosure for radio equipment installation
- > Outdoor Waterproof Enclosure **WiBOX Large**
- > Designed and resistant for any weather conditions
- > RJ45 Waterproof System
- > Grounding system protecting against lightning - DC Ground
- > 36 Warranty Months

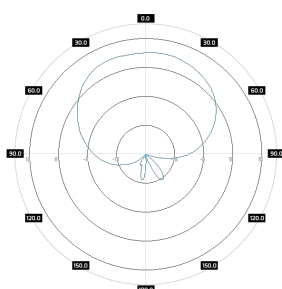
### Systems

- > LTE band - 40, 41
- > WLAN - 2.4 GHz, 5 GHz
- > WiMAX - 2.3 GHz, 2.5 GHz, 5 GHz
- > RFID - 2400 - 2483 MHz, 5725 - 5875 MHz
- > Bluetooth - 2400-2483 MHz
- > ISM - 2400-2483 MHz, 5725-5875 MHz

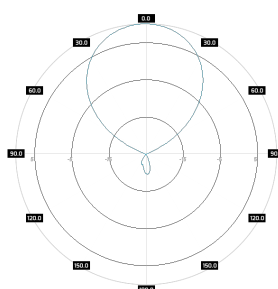
### Applications

- > System Integration

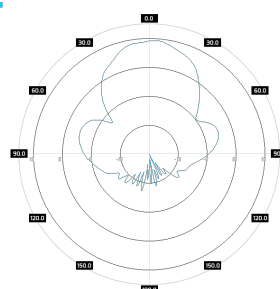
### Plots



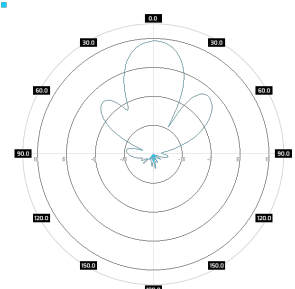
SA D4M245-8035-1115V  
2.4GHz, azimuth



SA D4M245-8035-1115V  
2.4Ghz, elev.



SA D4M245-8035-1115V  
5.5GHz, azimuth



SA D4M245-8035-1115V  
5.5GHz, elev.