



## DUAL BAND BASE SECTOR ANTENNA **WiBOX SA M4DBC245-35-15VV**

Antenna **WiBOX SA M4DBC245-35-15VV** 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 M4DBC245-35-15VV 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	<ul style="list-style-type: none"> <li>39.2 x 39.6 x 9.9 cm</li> <li>15.43 x 15.59 x 3.9 inch</li> </ul>
Weight	2.9 kg
Connector	RJ45 & 1xSMA
Material	ABS
Waterproof level	IP67
Operating temperature	<ul style="list-style-type: none"> <li>from -40°C to 80°C</li> <li>from -40°F to 176°F</li> </ul>
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

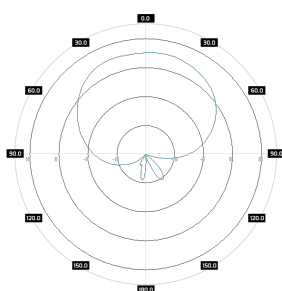
### Systems

- › LTE band - 40, 41, 46, 47, 53, 252, 255
- › 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

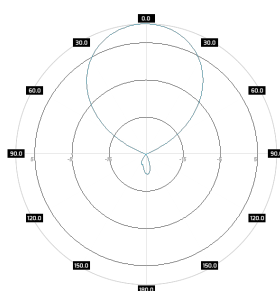
### Applications

- › System Integration

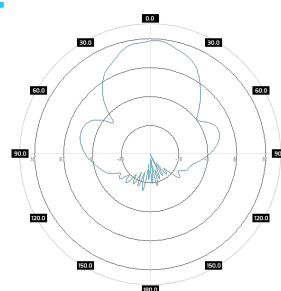
### Plots



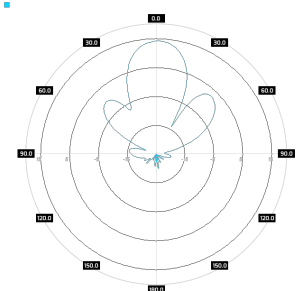
SA D4M245-8035-1115V  
2.4GHz, azimuth



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



SA D4M245-8035-1115V  
5.5GHz, azimuth



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