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## BASE SECTOR ANTENNA

# WiBOX SA M25-90-15HV

***WiBOX SA M25-90-15HV*** *is a* ***MIMO 2x2 sector antenna*** *operating at the frequency band:* ***2.3 – 2.7 GHz*** *with* ***15 dBi*** *gain. The antenna can be used in* ***point-to-multipoint (PMP)*** *topology for covering small and medium size areas as the* ***hotspot in schools, halls, stadiums or another public places****. It can work* ***indoor and outdoor (IP 67)****. It works with the systems of:* ***WLAN (802.11b/g/n), WiMAX, LTE, Bluetooth, ISM, RFiD****. The antenna is integrated with the top quality* ***WiBOX Extra Large*** *box system.*

ROHS
DC GROUND
IP67
UV RESISTANT
ABS

## Electrical specification

| | |
|---|---|
| Frequency | 2.35 - 2.7 GHz |
| Gain | 15 dBi |
| VSWR | <2.00 |
| Beamwidth | 15°/90° |
| Polarization | H&V |
| Cross-Polar Isolation | |
| Front-to-Back | |
| Separation between Connectors | |
| Impedance | 50 Ω |
| Max Input Power | 50 W |
| Lighting Protection | No |
| DC Ground | Yes |

## Mechanic specification

| | |
|---|---|
| Dimensions | 29.2 x 48.6 x 10.6 cm<br>11.5 x 19.13 x 4.17 inch |
| Weight | 2.6 kg |
| Connector | RJ45 & 2xSMA |
| 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 | 9.9 x 10.5 x 14.8 cm<br>3.9 x 4.13 x 5.83 inch |
| Regulation Range | +/- 30° |
| Weight | 0.87 kg |
| Mast Dimensions Range | 25 - 65mm |
| Material | Polyamide with fiberglass + galvanized steel U-Bolts |

## Features

- Gain for the frequency of 2350 - 2700 MHz 2x 15 dBi
- Polarization H&V for the frequency of 2350 - 2700 MHz
- 2 x Connector SMA
- Big, ergonomic and voluminous ***WiBOX Extra Large*** enclosure for radio equipment installation
- Outdoor Waterproof Enclosure ***WiBOX Extra Large***
- Designed and resistant for any weather conditions
- RJ45 Waterproof System
- Grounding system protecting against lighting - DC Ground
- 36 Warranty Months

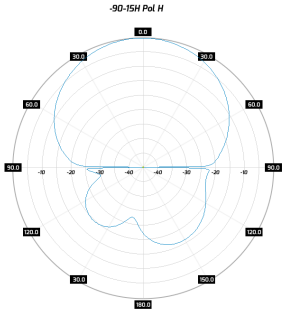
## Systems

- LTE band - 7, 38, 40, 41, 53, 69
- WLAN - 2.4 GHz
- WiMAX - 2.3 GHz, 2.5 GHz
- RFiD - 2400 - 2483 MHz
- Bluetooth - 2400-2483 MHz
- ISM - 2400-2483 MHz

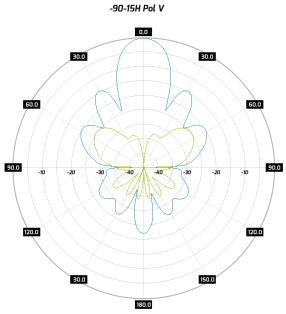
## Applications

- Stadiums, Public Places
- Hotspot
- PtM Connections
- System Integration

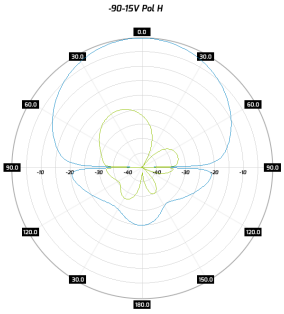
## Plots



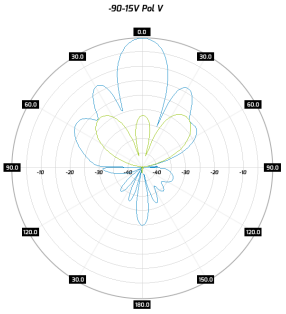

Radiation pattern WiBOX SA 24-90-15H Pol H




Radiation pattern WiBOX SA 24-90-15H Pol V




Radiation pattern WiBOX SA 24-90-15V Pol H




Radiation pattern WiBOX SA 24-90-15V Pol V