



## BASE SECTOR ANTENNA

# WiBOX SA M5-90-17HV SLIM RBR

**WiBOX SA M5-90-17HV SLIM RBR** is an **H&V** polarity **MIMO 2x2** sector antenna operating at a frequency range of: **5.1 - 5.95 GHz** with **17 dBi** gain. Wireless Instruments technical division developed special radiator **RBR (Reduced-Back-Radiation)** which minimizes **F/B (Front-to-Back)** factor, so this eliminates **co-location** problem. Additional big advantage is that the electronic radio board installed inside **WiBOX** is **fully shielded by the special made metal cover**. The antenna is predicted for **point-to-multipoint (PMP)** connections, can be used for covering medium and big areas as a **base station** for client stations or as the **hotspot in halls, stadiums or another public places**. It can work **indoor and outdoor (IP 67)**. It works with the **WLAN 802.11n/ac** systems. The antenna is integrated with the top quality **WiBOX Extra Large Slim** box system.






### Electrical specification

Frequency	5.1 - 5.95 GHz
Gain	17 dBi
VSWR	<2.00
Beamwidth	8°/90°
Polarization	H&V
Cross-Polar Isolation	
Front-to-Back	> 32 dB
Separation between Connectors	
Impedance	50 Ω
Max Input Power	50 W
Lighting Protection	No
DC Ground	No

### Mechanic specification

Dimensions	29.2 x 48.6 x 7.1 cm 11.5 x 19.13 x 2.8 inch
Weight	2.5 kg
Connector	RJ45 & 2xMMCX/U.FL
Material	ABS
Waterproof level	IP67
Operating temperature	from -40 +70°C to °C from -40°F to 32°F
Wind resistance	km/h

### Mounting Kit

Dimensions	9.9 x 10.5 x 14.8 cm 3.9 x 4.13 x 5.83 inch
Regulation Range	+/- 30°
Weight	0.87 kg
Max Dimensions Range	25 - 65mm
Material	Polyamide with fiberglass + galvanized steel U-Bolts

### Features

- › Gain for the frequency of 5100 - 5950 MHz 2x 17 dBi
- › Polarization H&V for the frequency of 5100 - 5950 MHz
- › 2 x Connector MMCX/U.FL
- › Big, ergonomic and voluminous **WiBOX Extra Large SLIM** enclosure for radio equipment installation
- › Outdoor Waterproof Enclosure **WiBOX Extra Large SLIM**
- › Designed and resistant for any weather conditions
- › RJ45 Waterproof System
- › 36 Warranty Months

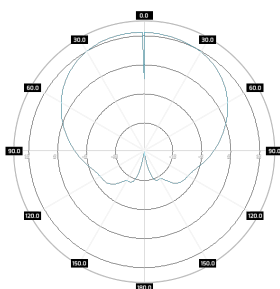
### Systems

- › LTE band - 46, 47, 252, 255
- › WLAN - 5 GHz
- › WiMAX - 5 GHz
- › RFID - 5725 - 5875 MHz
- › ISM - 5725-5875 MHz

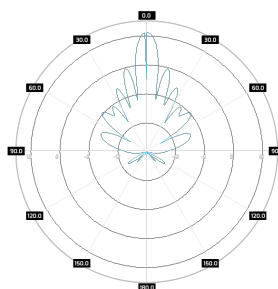
### Applications

- › Stadiums, Public Places
- › Hotspot
- › PtM Connections

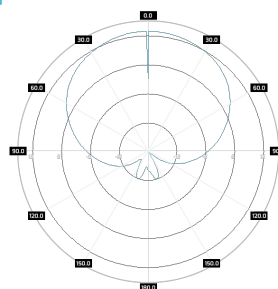
### Plots



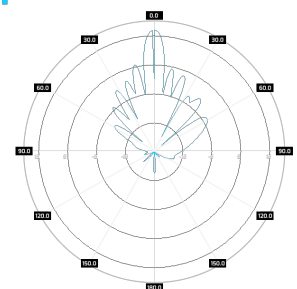
SA M5-90-17HV RBR  
H-pol, azimuth



SA M5-90-17HV RBR  
H-pol, elev.



SA M5-90-17HV RBR  
V-pol, azimuth



SA M5-90-17HV RBR  
V-pol, elev.