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BASE SECTOR ANTENNA

WiBOX SA 5-45-19V

WIBOX SA5-45-19V *is a* ***sector V-polarity*** *microstrip planar antenna operating at the frequency range of* ***5,1 – 5,9 GHz*** *with* ***19 dBi*** *gain. It is desired for* ***point-to-multipoint (PMP)*** *connections, where the high-gained base station antennas are required. It has narrow beamwidth so it can be used for covering small and medium areas as* ***a base station*** *for client stations or as the* ***hotspot in schools, halls, stadiums or another public places****. Works with* ***WLAN 802.11a*** *systems. Can be installed* ***indoor and outdoor (IP67)****. The antenna is integrated with the top quality* ***WiBOX Large box*** *system.*

ROHS
DC GROUND
IP67
UV RESISTANT
ABS

Electrical specification

Frequency	5.1 - 5.9 GHz
Gain	19 dBi
VSWR	<1.50, max < 1.80
Beamwidth	8°/45°
Polarization	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 11.5 x 19.13 x 4.17 inch
Weight	2.7 kg
Connector	RJ45
Material	ABS
Waterproof level	IP67
Operating temperature	from -40°C to 80°C from -40°F to 176°F
Wind resistance	70km/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
Mast Dimensions Range	25 - 65mm
Material	Polyamide with fiberglass + galvanized steel U-Bolts

Features

- Gain for the frequency of 5100 - 5900 MHz 0x 19 dBi
- Polarization V for the frequency of 5100 - 5900 MHz
- 0 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

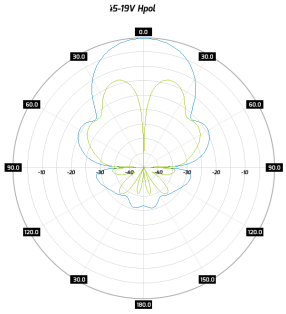
Systems

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

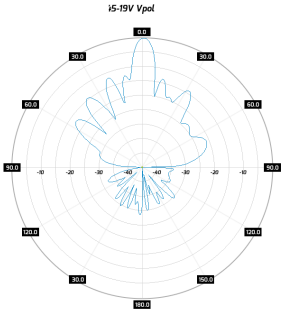
Applications

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

Plots



Radiation pattern WiBOX SA 5-45-19V H-pol



Radiation pattern WiBOX SA 5-45-19V V-pol

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