

# 5 GHz 60° 4x4 Asymmetrical Horn Antenna

## HIGH PERFORMANCE 4x4 HORN ANTENNA

This 5 GHz 4x4 Asymmetrical Beam antenna is designed for excellent performance with MU-MIMO radios, such as ePMP 3000 or ePMP 4500. 4x4 Antenna Array is based on Award Winning 60° Asymmetrical Horn Antenna elements. Overall radiation pattern is 60° wide in the azimuth plane and 25° in elevation.

Outstanding noise rejection and precision of the radiation pattern throughout the bandwidth of operation favor the antenna for high-density access point clusters and densely co-located sites. Antenna features RP-SMA female connectors and integrated mount of ePMP 3000 4x4 radio.

Asymmetrical Horn antennas were awarded WISPA Product of the Year 2019, 2020 and 2021 Awards.



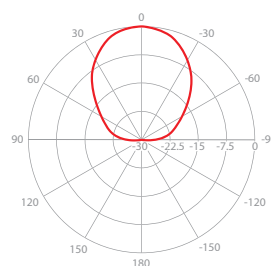
### TECHNICAL DATA

Radio Connection	4x RP-SMA Female Connector
Pigtails	4x RP-SMA Male Connector 750mm (29.5 inch)
Antenna Type	Horn
Materials	UV Resistant ABS Plastic, Polycarbonate, HDPE, Aluminium, Stainless Steel
Environmental	IP55
Pole Mounting Diameter	40-80 mm (1.5-3.1 inch) Recommended as close to 80 mm (3.1 inch) as possible, recommended mounting on stand off bracket
Temperature	-35°C to +60°C (-31°F to +140°F)
Wind Survival	160 km/h (100 mi/h)
Wind Load	80/91 N - Front/Side at 160 km/h (100 mi/h)*
Effective Projected Area	630/750 cm <sup>2</sup> - Front/Side (97.6/116.2 in <sup>2</sup> )*
Mechanical Adjustment	± 20° Elevation
Weight	10.4 kg (22.9 lbs) – single unit* 13.5 kg (29.7 lbs) – single unit incl. package*
Single Unit	Retail Box: 485 x 420 x 396 mm (19 x 16.5 x 15.5 inch)*

### PERFORMANCE

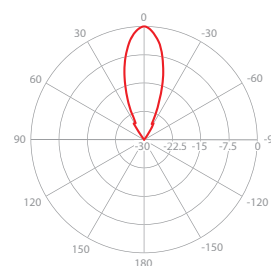
Frequency Range	5180 - 6000 MHz
Gain	17 dBi
Azimuth Beam Width -3 dB	H 45° / V 42°
Elevation Beam Width -3 dB	H 17° / V 16°
Azimuth Beam Width -6 dB	H 60° / V 60°
Elevation Beam Width -6 dB	H 25° / V 25°
Beam Efficiency	90 %*
Front-to-Back Ratio	27 dB
VSWR Typical	1.5
Polarization	Dual Linear H + V
Impedance	50 OHm

### SINGLE CHANNEL AZIMUTH PATTERN



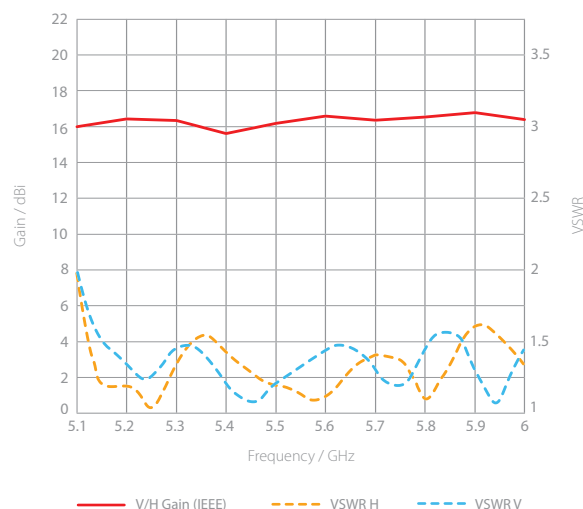
V/H - Port Pattern Azimuth 5.6 GHz

### SINGLE CHANNEL ELEVATION PATTERN



V/H - Port Pattern Elevation 5.6 GHz

### GAIN



\*Subject to change, \*\*Main beam defined up to first null

PRODUCT DIMENSIONS

