

90° Asymmetrical Beam Antenna

HORN ANTENNA WITH N-FEMALE CONNECTORS

90° Asymmetrical Horn CC has radiation pattern narrow in the azimuth and wide in the elevation plane, greatly improving the coverage planning options. Increased gain and zero side lobes are suitable for rural deployments.

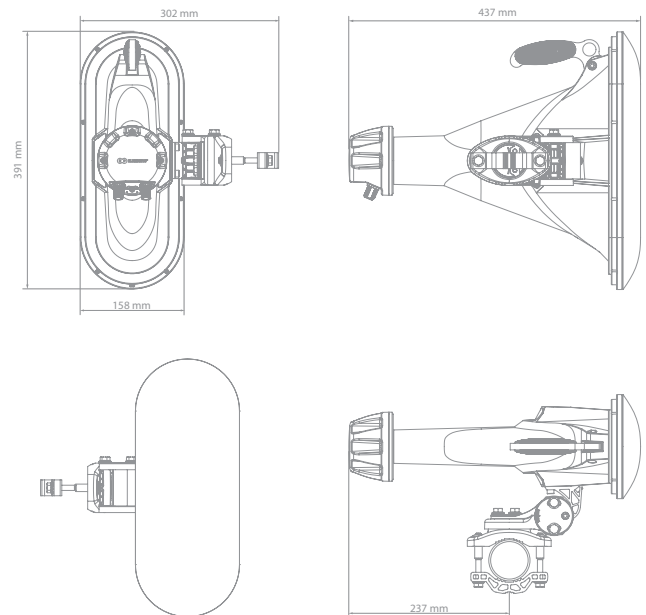
90° Asymmetrical Horn CC Antenna exceeds the traditional patch array sector antenna thanks to high stability of gain and radiation pattern in the whole bandwidth of operation. Outstanding noise rejection and precision of radiation pattern favor 90° Asymmetrical Horn CC antenna for high-density AP clusters and dense co-location sites. 90° Asymmetrical Horn CC Antenna features two N-female connectors.



TECHNICAL DATA

| | |
|------------------------|------------------------------------------------------------------------------------|
| Radio Connection | 2x N Female Bulkhead Connector |
| Antenna Type | Horn |
| Materials | UV Resistant ABS Plastic, Polycarbonate, HDPE, Aluminium, Stainless Steel |
| Environmental | IP55 |
| Pole Mounting Diameter | 36-80 mm (recommend as close to 80mm as possible) |
| Temperature | -35°C to +55°C (-31°F to +131°F) |
| Wind Survival | 160 km/hour |
| Wind Loading | 76 N at 160 km/hour |
| Mechanical Adjustment | ± 25° Elevation, ± 20° Azimuth |
| Weight | 5.5 kg / 12.1 lbs – single unit* 7.5 kg / 16.5 lbs – single unit incl. package* |
| Single Unit | Retail Box: 485 × 420 × 190 mm / 19.0 × 16.5 × 7.5 inch* |

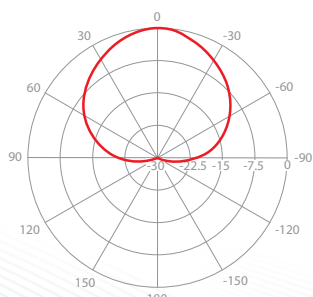
PRODUCT DIMENSIONS



PERFORMANCE

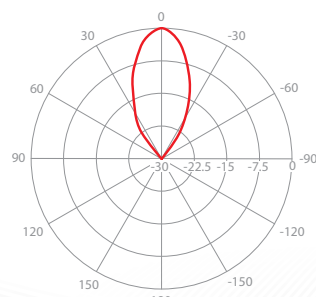
| | |
|----------------------------|-------------------|
| Frequency Range | 5180 - 6000 MHz |
| Gain | 16 dBi |
| Azimuth Beam Width -3 dB | H 60° / V 60° |
| Elevation Beam Width -3 dB | H 16° / V 16° |
| Azimuth Beam Width -6 dB | H 90° / V 90° |
| Elevation Beam Width -6 dB | H 25° / V 25° |
| Beam Efficiency** | 90 % |
| Front-to-Back Ratio | 30 dB |
| VSWR Max 5180-6000 MHz | 1.8 |
| Polarization | Dual Linear H + V |
| Impedance | 50 Ohm |

AZIMUTH PATTERN



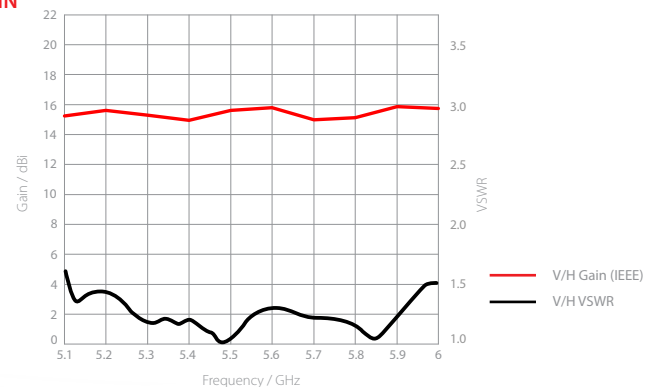
V/H - Port Pattern Azimuth 5.6 GHz

ELEVATION PATTERN



V/H - Port Pattern Elevation 5.6 GHz

GAIN



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

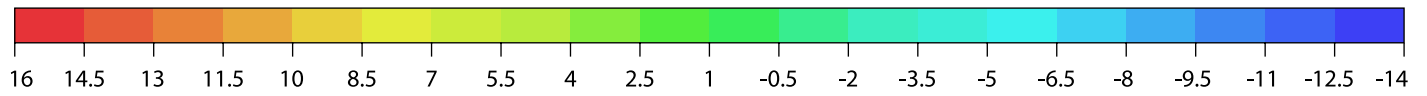
3D RADIATION DIAGRAM

SCALE: 30dBi

COMPATIBLE WITH: ADOBE ACROBAT READER DC. NOT SUPPORTED ON MOBILE.

USE MOUSE TO ROTATE THE DIAGRAM. SCROLL IN/OUT TO ZOOM IN/OUT

dBi



| | | | | | |
|-------|------|-------|------|----|------|
| FRONT | BACK | RIGHT | LEFT | UP | DOWN |
|-------|------|-------|------|----|------|