

20° Asymmetrical Beam Antenna

HORN ANTENNA WITH N-FEMALE CONNECTORS

The radiation pattern of 20° Asymmetrical Horn CC Antenna is 20° wide in the azimuth plane and 30° in elevation. Increased gain and high beam efficiency greatly improve coverage planning options.

20° Asymmetrical Horn CC Antenna exceeds the traditional patch array sector antennas thanks to the high stability of the radiation pattern throughout the bandwidth of operation. Outstanding noise rejection and precision of the radiation pattern favor the antenna for high-density access point clusters and densely co-located sites. 20° Asymmetrical Horn CC features a pair of N-female connectors ensuring a wide range of radio connectivity.

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



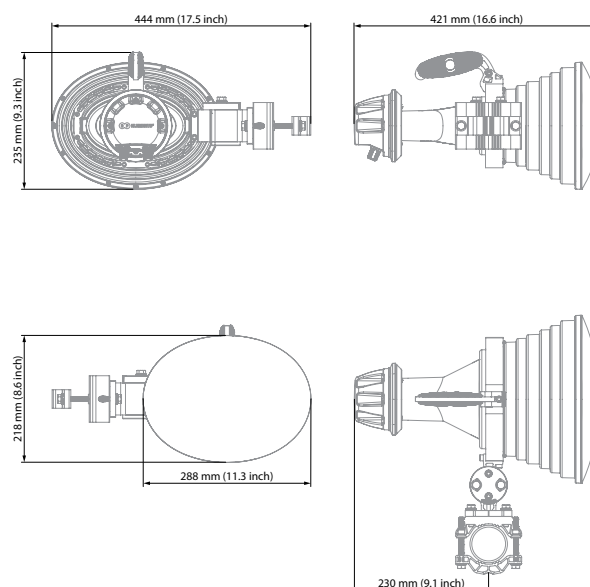
TECHNICAL DATA

| | |
|--------------------------|--|
| 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 | 40-80 mm (1.5-3.1 inch) Recommended as close to 80 mm (3.1 inch) as possible |
| Temperature | -35°C to +60°C (-31°F to +140°F) |
| Wind Survival | 160 km/h (100 mi/h) |
| Wind Load | 67/43 N - Front/Side at 160 km/h (100 mi/h) |
| Effective Projected Area | 548/351 cm ² - Front/Side (84.9/54.4 in ²) |
| Mechanical Adjustment | ± 20° Elevation, ± 20° Azimuth |
| Weight | 4.5 kg (10.0 lbs) – single unit* 6.6 kg (14.6 lbs) – single unit incl. package* |
| Single Unit | Retail Box: 435 × 360 × 250 mm (17.1 × 14.2 × 9.8 inch)* |

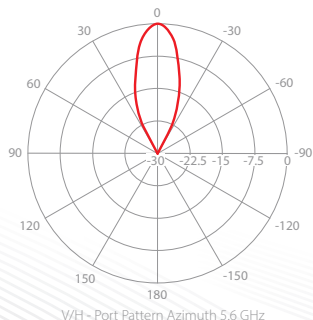
PERFORMANCE

| | |
|----------------------------|-------------------|
| Frequency Range | 5180 - 6000 MHz |
| Gain | 20.5 dBi |
| Azimuth Beam Width -3 dB | H 15° / V 15° |
| Elevation Beam Width -3 dB | H 21° / V 21° |
| Azimuth Beam Width -6 dB | H 20° / V 20° |
| Elevation Beam Width -6 dB | H 30° / V 30° |
| Beam Efficiency | 95 %** |
| Front-to-Back Ratio | 35 dB |
| VSWR Typical | 1.5 |
| Polarization | Dual Linear H + V |
| Impedance | 50 Ohm |

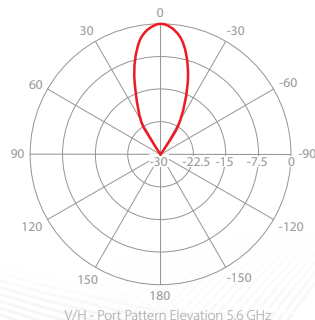
PRODUCT DIMENSIONS



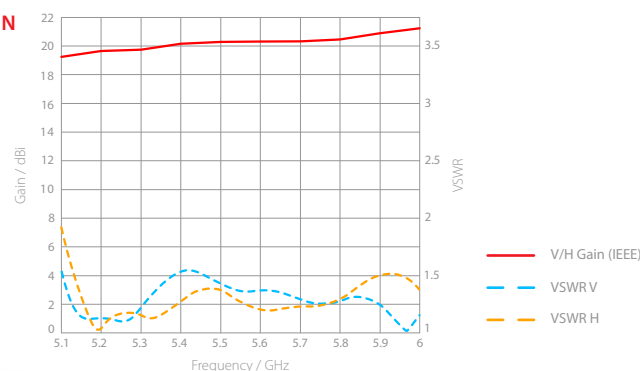
AZIMUTH PATTERN



ELEVATION PATTERN



GAIN



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

1/1 ASYMMETRICAL HORN ANTENNAS Rev 11-2023



This product was produced under the conditions of a certified management system that meets the requirements of the ISO 9001, ISO 14001 and ISO 45001 standard, while this system was certified by QSCert.

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