

StarterHorn™ A45° USMA

ASYMMETRICAL HORN ANTENNA

The radiation pattern of StarterHorn™ A45 USMA has asymmetrical main lobe and zero side lobes. StarterHorn™ antennas offer great noise rejection needed for high-density AP clusters and dense co-location.

StarterHorn™ antennas offer both waveguide and RP-SMA female connector interface allowing easy connectivity to any third-party radio on the market, incl direct connectivity to U1 radios with an waveguide interface.



TECHNICAL DATA

Antenna Connection	RP-SMA Port, Waveguide Port
Antenna Type	Asymmetrical Horn
Materials	UV Resistant ABS Plastic, Polyethylene, Aluminium, Stainless Steel
Environmental	IP55
Flame Rating	UL 94 HB
Pole Mounting Diameter	20-55 mm (0.8-2.1 inch) Recommend as close to 55 mm (2.1 inch) as possible
Temperature	-30°C to +55°C (-22°F to +131°F)
Wind Survival	160 km/h (100 mi/h)
Wind Load	34/27 N - Front/Side at 160 km/h (100 mi/h)
Effective Projected Area	281/223 cm² - Front/Side (43.6/34.6 inch²)
Mechanical Tilt	± 30°
Weight	0.9 kg (1.9 lbs) – single unit 1.4 kg (3.1 lbs) – single unit incl. package 17 kg (37.5 lbs) – carton (10 units)
Single Unit	Retail Box: 238 x 245 x 163 mm (9.4 x 9.6 x 6.4 inch)
10 Units	Carton Box: 1197 x 336 x 269 mm (47.1 x 13.2 x 10.5 inch)

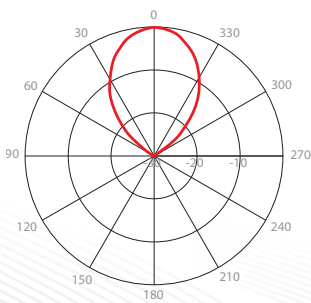
PERFORMANCE

Frequency Range	5150 - 6400 MHz*
Gain	17 dBi
Azimuth Beam Width -3 dB	H 31° / V 30°
Elevation Beam Width -3 dB	H 21° / V 20°
Azimuth Beam Width -6 dB	H 44° / V 45°
Elevation Beam Width -6 dB	H 30° / V 29°
Beam Efficiency**	90 %
Front-to-Back Ratio	30 dB

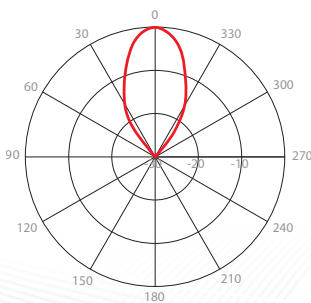
COMPATIBLE WIRELESS PLATFORMS

Ubiquiti Networks®	PrismStation™ 5AC, IsoStation™ 5AC, IsoStation™ M5
Other	Any radio with coaxial output

AZIMUTH PATTERN



ELEVATION PATTERN



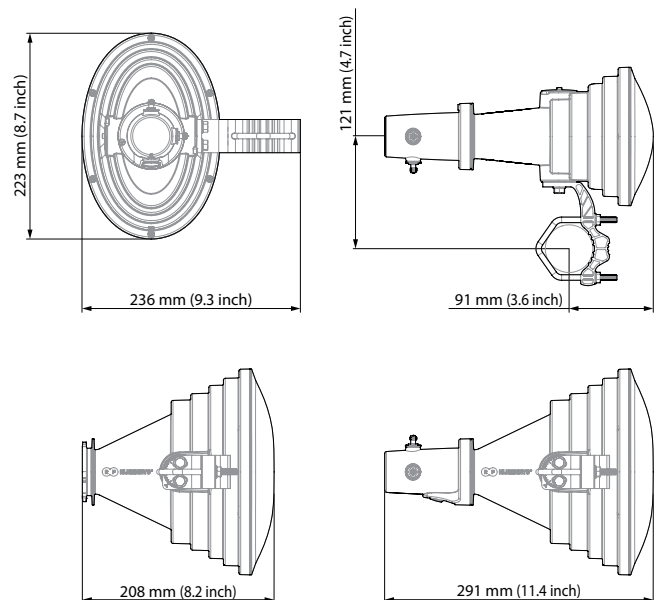
*We strongly recommend that users do not operate radios outside of the specified frequency range. **Main beam defined up to first null

1/1 StarterHorn™ A45° USMA Rev 05-2023

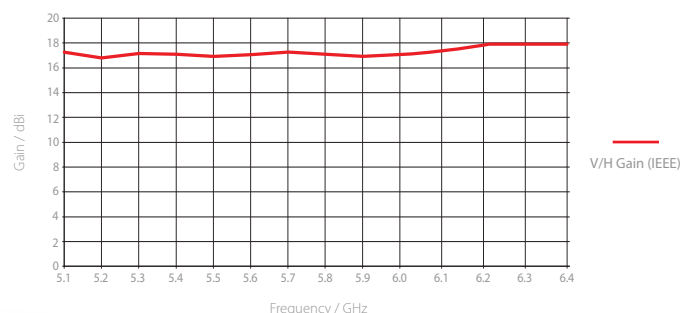


This product was produced under the conditions of a certified management system that meets the requirements of the ISO 9001, ISO 14001 and ISO 45001 standard, while this system was certified by QSCert.

PRODUCT DIMENSIONS



GAIN



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