UltraHorn[™] TP 5-21

ULTIMATE NOISE REJECTING POINT-TO-POINT HORN ANTENNA WITH TWISTPORT CONNECTOR

The UltraHorn[™] TP Antennas are high gain, highly directional scalar horn antennas for point-to-point connections. They offer all the benefits of scalar horns for point-to-point use: ultra noise rejection, lossless connection of radio and symmetrical beam with no side lobes. Absence of side lobes allows UltraHorn[™] TP antennas to reject noise and create long links in environments with a high level of noise with unprecedented performance. No need to spend more money for radomes or shrouds. No extra costs for additional shielding. Just buy an appropriate TwistPort[™] Adaptor to connect your radio and deploy. That's it!

All UltraHorn[™] TP Antennas are equipped with a unique TwistPort[™], our patent pending wave guide connector. TwistPort[™] connectors are virtually loss-less and a revolutionary leap forward in wireless system scalability and convenience of deployment. UltraHorn[™] TP Antennas support a wide range of third party radios from mainstream vendors with our TwistPort[™] Adapters along with our RF elements[®] Simper[™] Radios.



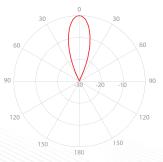
TECHNICAL DATA

Antenna Connection	TwistPort [™] - Quick Locking Waveguide Port
Antenna Type	Horn
Materials	UV Resistant ABS Plastic, Polycarbonate, Polypropylene, Aluminium, Stainless Steel
Enviromental	IP55
Pole Mounting Diameter	15-86 mm
Temperature	-30°C to +55°C (-22°F to +131°F)
Wind Survival	160 km/hour
Mechanical Tilt	± 25°
Weight	N/A Kg / lbs – single unit N/A Kg / lbs – single unit incl. package N/A Kg / lbs – carton (N/A units)
Single Unit	Retail Box: N/A cm
Units	Carton Box: N/A cm

PERFORMANCE

Gain	21 dBi
Azimuth Beam Width -3 dB	H 16°/V 15°
Elevation Beam Width -3 dB	H 15°/V 16°
Azimuth Beam Width -6 dB	H 22° / V 21°
Elevation Beam Width -6 dB	H 21°/V 22°
Front-to-Back Ratio	38 dB

AZIMUTH PATTERN

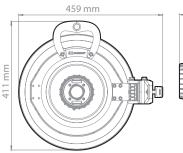


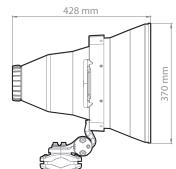
V/H - Port Pattern Azimuth 5.5 GF

ELEVATION PATTERN

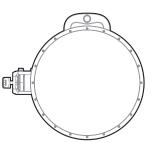


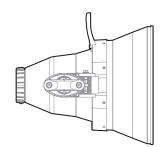
PRODUCT DIMENSIONS

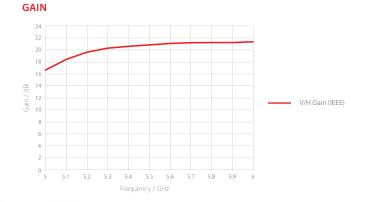




ELEMENTS[®]







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