HYC-AH5458 4x4 MIMO RHCP/LHCP antenna

Electrical Performances:

- 5.4-5.8 GHz gain 18 dBi
- Polarization RHCP and LHCP
- Maximum power 150 watts CW
- VSWR: < 1.5:1 @ Center freq.
- Radiation pattern Directional
- Aperture E plane and H plane:
  - 30° @ -3 dB
- Front to Back ratio
  - > -30 dB
  - Cross polarization -18B

Mechanicals Specifications:

- Dimensions 280x44 mm
- Connector N-type, female
- Weight 1 Kg
- Mounting support pipe 52mm maximum
- IP-67 Water & Dust Resistant
- Radome Polycarbonate UV protected
- Wind rating 200 Km/Hr.
- Operating temperature range -55° to +70°
- Vibration conformity IEC60721-3-4
- Win load 200 km/h
- Flammability UL94
- Humidity ETS300 019-1-4,EN 302 085)0 to 95%
- Salt Fog Compliant to IEC 68-2-11
- Finishing/Colour Olive Green
- Radome Polycarbonate UV protected

Design Features:

HYC-AH5458 uses extended stubs to provide the greater gain while maintaining the wider beamwidth. This high gain low-profile antennas use Circular Polarization Antenna Technology which delivers better penetration through obstruction and interference.

This commercial grade antenna provides superior performance as compare to significantly larger and more expensive products. Our The AH Helical Antenna is supplied with a specially designed mounting arrangement for steering the antenna in both planes, over 360 Degrees in Azimuth and 90 Degrees in Elevation for terrestrial and satellite links.

HYC AH antenna can be produced from 200 Mhz up to 6 GHz

Constructions:

HYC-AH5458 like all our AH series helical antennas, utilizes circular polarization to minimize the effects of multipath interference. Both Right Hand Circular Polarized (RHCP) and Left Hand Circular Polarized (LHCP) helical antenna models are available. HYC-AH5458 Helical Antenna is light weight, broadband and rugged helical antennas, supplied with fiberglass radome to protect the antenna from environment. Cylindrical enclosure is used for low wind loading and for minimal effect of ice formation on the helical antenna operation as well as providing an aesthetically pleasing appearance.

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