



Advanced Product Information

TA-1504-10-60 Dual Polarized Sector

The TA-1504-8-60 is a dual polarized 60 degree sectoral antenna with both LHCP and RHCP polarizations. The antenna consists of a broadband patch array on an aluminum base with a UV stabilized ASA radome for superior weatherability. The antenna is at DC ground to aid in lightning protection.

Electrical Specifications

Frequency Range: 1525-1560 / 1626-1661 MHz

Gain: 2 x 16 dBic co-polarized

VSWR: 1.4:1 max.

Polarization: Dual LHCP & RHCP

Power: 2 x 250 Watts

H-Plane Beamwidth: 60 degrees

E-Plane Beamwidth: 7.5 degrees

Front to Back Ratio: > 25 dB

Cross Pol. Discrimination:

Electrical Beamtilt: 0 degrees

Null Fill:

Port to Port Isolation:

3rd Order I.M.(2x20W):

Axial Ratio: 2 dB

Impedance: 50 ohms nominal

Termination: 2 x N female (7/16 optional)

Mechanical Specifications

Length: 71 in (1803 mm)

Diameter:

Width: 8 in. (203 mm)

Depth: 3 in. (76 mm)

Weight: 17.0 lb. (7.7 kg) without clamps

Rated Wind Velocity: 125 mph (200 km/h)

Horizontal Thrust at rated wind: T.B.D.
with radome:

Mechanical Tilt: 0 - 6 degrees

Mounting Pipe: 1.75 - 4.0 in. (44.5 - 102 mm)

Pig-Tail Length:

Material Specifications

Radiating Elements: Plated copper on PCB

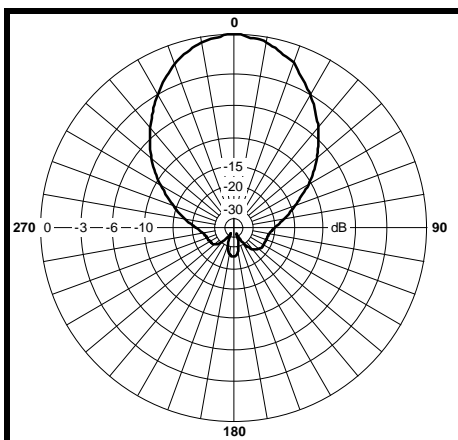
Reflector: Irridited aluminum

Radome: Gray UV stabilized ASA

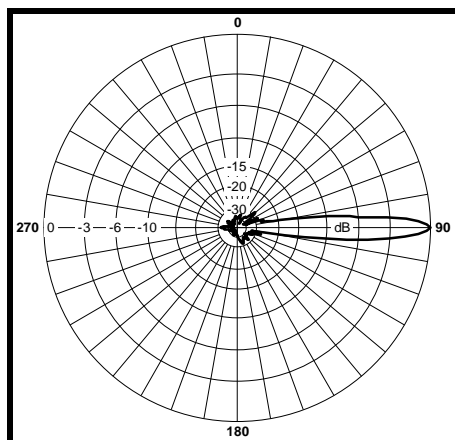
Mounting Hardware: HDG and EDZ steel

Radiation Patterns/Masks

Azimuth



Elevation



Rev. 0.01

Specifications subject to change without notice

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ISO 9001:2000
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