

Frequency Range	4x3300-3800
Polarization	±45°
Horizontal Beam Center	-37°, -12°, +12°, +37°
Half-Power Beam Width	13°

Single Band Spherical 4x3300-3800 20.5dBi, 4 beam, 13-degree Antenna

Electrical Specifications

Frequency range (MHz)	4x3300-3800
Polarization	±45
Gain (dBi)	20.5±1
Sidelobe Suppression (dB)	≥15
Horizontal Plane 3dB Beamwidth (°)	12.5±1
Horizontal Plane 10dB Beamwidth (°)	24±1
Vertical Plane 3dB Beamwidth (°)	13.5±1
Vertical Plane 10dB Beamwidth (°)	25±1
Horizontal beam centers (°)	-37, -12, 12, +37
Beam Quantity	4
VSWR	≤1.5
Isolation Between Polarization (dB)	≥25
Isolation Between Beam port(dB)	≥23
Front to Back Ratio (dB)	≥25
Intermodulation IM3 dBc (2×43dBm)	≤-140
Power Rating (W)	8 x 80W
Input Impedance (Ω)	50
Lighting Protection	DC Ground

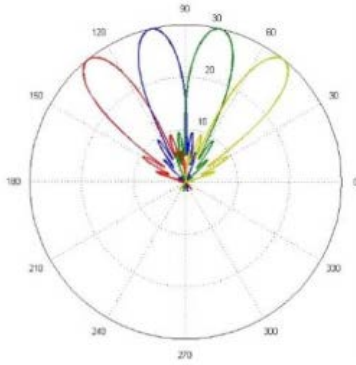


Mechanical Specifications

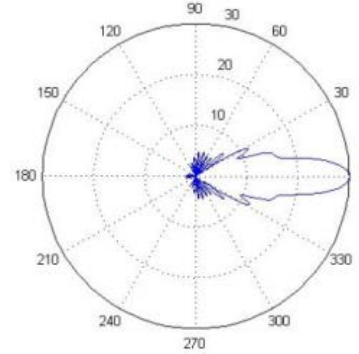
Radome Material	ASA
Connector Type and Location	4.3-10 Female x8 Bottom
Mechanical Downtilt (°)	0-20
Dimensions, HxWxD (mm)	524×488×488
Packing Size (mm)	590×5350×615
Net Weight (Kg)	9
Gross Weight (Kg)	14
Clip Weight (Kg)	2.81
Max. Wind Velocity(m/s)	55
Mounting hardware Diameter (mm)	∅ 40 mm ~ ∅ 114 mm
Operational Temperature(°C)	-40 to +70
Operational Humidity (%)	<95

Frequency Range	4x3300-3800
Polarization	$\pm 45^\circ$
Horizontal Beam Center	$-37^\circ, -12^\circ, +12^\circ, +37^\circ$
Half-Power Beam Width	13°

Radiation Pattern (3300 -3800 MHz)



Horizontal Pattern



Vertical Pattern