

Frequency Range	3x1710-2690
Polarization	±45°
Horizontal Beam Center	-39°,0°,+39°
Half-Power Beam Width	22°

Single Band Spherical 3x1710-2690 17dBi, 3 beam, 22-degree Antenna

Electrical Specifications

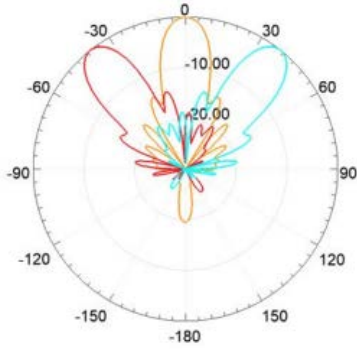
Frequency range (MHz)	3x1710-2690
Polarization	±45
Gain (dBi)	16.5 ±2
Sidelobe Suppression (dB)	≥15
Horizontal Plane 3dB Beamwidth (°)	22±5
Horizontal Plane 10dB Beamwidth (°)	39±10
Vertical Plane 3dB Beamwidth (°)	23±4
Vertical Plane 10dB Beamwidth (°)	39±3
Horizontal beam centers (°)	-39,0,+39
Beam Quantity	3
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)	≤-150
Power Rating (W)	6 x 100W
Input Impedance (Ω)	50
Lighting Protection	DC Ground



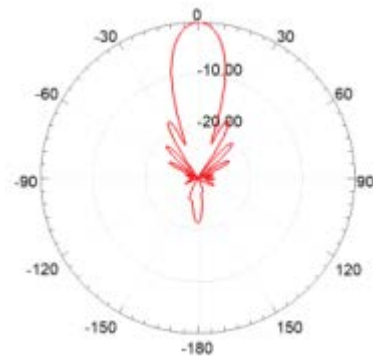
Mechanical Specifications

Radome Material	ASA
Connector Type and Location	4.3-10 Female x6 Bottom
Mechanical Downtilt (°)	0-20
Dimensions, HxWxD (mm)	690×645×645
Packing Size (mm)	825×730×860
Net Weight (Kg)	5.9
Gross Weight (Kg)	13.4
Clip Weight (Kg)	2.81
Max. Wind Velocity(m/s)	55
Mounting hardware Diameter (mm)	φ 40 mm ~ φ 114 mm
Operational Temperature(°C)	-40 to +70
Operational Humidity (%)	<95

Radiation Pattern (1710 -2690 MHz)



Horizontal Pattern



Vertical Pattern