

Frequency Range	2x820-960
Polarization	±45°
Horizontal Beam Center	-33°, +33°
Half-Power Beam Width	35°

Single Band Spherical 2x820-960 20dBi, 2 beam, 35-degree Antenna

Electrical Specifications

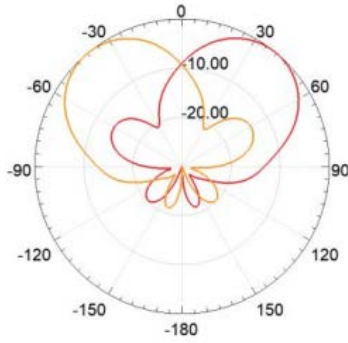
Frequency range (MHz)	2x820-960
Polarization	±45
Gain (dBi)	14 ±1
Sidelobe Suppression (dB)	≥13
Horizontal Plane 3dB Beamwidth (°)	37±5
Horizontal Plane 10dB Beamwidth (°)	68±8
Vertical Plane 3dB Beamwidth (°)	39±5
Vertical Plane 10dB Beamwidth (°)	65±5
Horizontal beam centers (°)	-33, +33
Beam Quantity	2
VSWR	≤1.5
Isolation Between Polarization (dB)	≥25
Isolation Between Beam port(dB)	≥23
Front to Back Ratio (dB)	≥23
Intermodulation IM3 dBc (2×43dBm)	≤-150
Power Rating (W)	4 x 180W
Input Impedance (Ω)	50
Lighting Protection	DC Ground



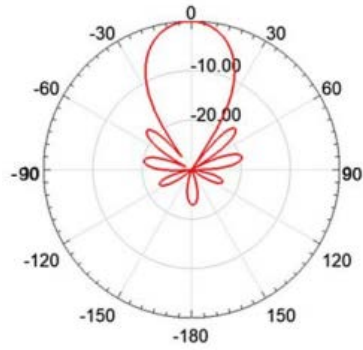
Mechanical Specifications

Radome Material	ASA
Connector Type and Location	4.3-10 Female x4 Bottom
Mechanical Downtilt (°)	0-20
Dimensions, HxWxD (mm)	850×645×850
Packing Size (mm)	925×805×995
Net Weight (Kg)	14.4
Gross Weight (Kg)	34.3
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