

Frequency Range	4x1710-2690
Polarization	±45°
Horizontal Beam Center	-48°, -14°, +14°, +48°
Half-Power Beam Width	15°

Single Band Spherical 4x1710-2690 20dBi, 4 beam, 15-degree Antenna

Electrical Specifications

Frequency range (MHz)	1710-2690
Polarization	±45
Gain (dBi)	20±1
Sidelobe Suppression (dB)	≥15
Horizontal Plane 3dB Beamwidth (°)	15±4
Horizontal Plane 10dB Beamwidth (°)	28±3
Vertical Plane 3dB Beamwidth (°)	15±4
Vertical Plane 10dB Beamwidth (°)	28±3
Horizontal beam centers (°)	-48,-14,14,+48
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)	≤-150
Power Rating (W)	8 x 80W
Input Impedance (Ω)	50
Lighting Protection	DC Ground

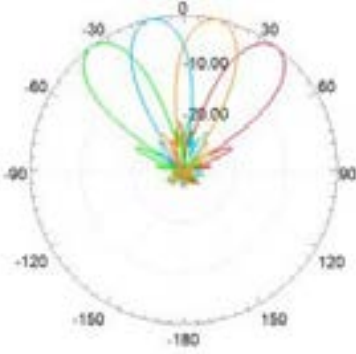


Mechanical Specifications

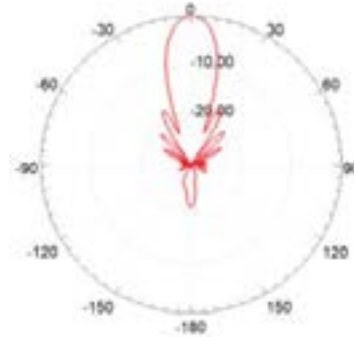
Radome Material	ASA
Connector Type and Location	4.3-10 Female x8 Bottom
Mechanical Downtilt (°)	0-20
Dimensions, HxWxD (mm)	690×645×645
Packing Size (mm)	825×730×860
Net Weight (Kg)	15.2
Gross Weight (Kg)	28.8
Clip Weight (Kg)	5.8
Max. Wind Velocity(m/s)	55
Mounting hardware Diameter (mm)	φ 40 mm ~ φ 114 mm
Operational Temperature(°C)	-40 to +70
Operational Humidity (%)	<95

Frequency Range	4x1710-2690
Polarization	$\pm 45^\circ$
Horizontal Beam Center	$-48^\circ, -14^\circ, +14^\circ, +48^\circ$
Half-Power Beam Width	15°

Radiation Pattern (1710 -2690 MHz)



Horizontal Pattern



Vertical Pattern