

Frequency Range	3x1710-2690
Polarization	±45°
Horizontal Beam Center	0°
Half-Power Beam Width	30°

Single Band Cylinder 3x1710-2690 20dBi, 1 beam, 30-degree Antenna

Electrical Specifications

Frequency range (MHz)	3x1710-2690	
	1710-2200	2200-2690
Polarization	±45	
Gain (dBi)	15 ±1	17 ±1
Sidelobe Suppression (dB)	13	13
Horizontal Plane 3dB Beamwidth (°)	28±4	23±3
Horizontal Plane 10dB Beamwidth (°)	47±5	39±3
Vertical Plane 3dB Beamwidth (°)	26±4	23±3
Vertical Plane 10dB Beamwidth (°)	46±5	39±4
Horizontal beam centers (°)	0	
Beam Quantity	1	
VSWR	≤1.5	
Isolation Between Polarization (dB)	≥25	
Front to Back Ratio (dB)	≥25	
Intermodulation IM3 dBc (2×43dBm)	≤-150	
Power Rating (W)	6 x 180W	
Input Impedance (Ω)	50	
Lighting Protection	DC Ground	

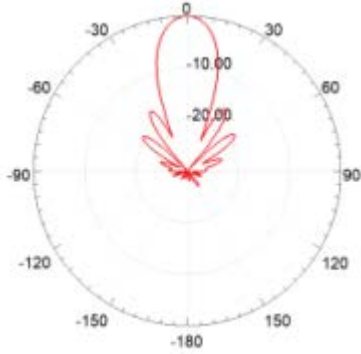


Mechanical Specifications

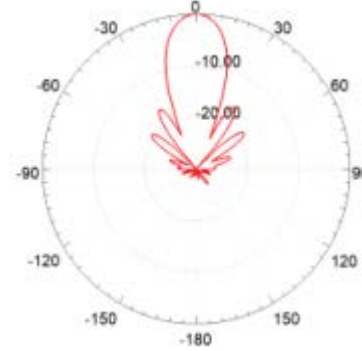
Radome Material	UPVC
Connector Type and Location	4.3-10 Female x6 Bottom
Mechanical Downtilt (°)	0-20
Dimensions, HxWxD (mm)	1154×400×400
Packing Size (mm)	1420×515×515
Net Weight (Kg)	14.8
Gross Weight (Kg)	27
Clip Weight (Kg)	5.8
Max. Wind Velocity(m/s)	55
Mounting hardware Diameter (mm)	φ 40 mm ~ φ 114 mm
Operational Temperature(°C)	-40 to +70
Operational Humidity (%)	<95

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Radiation Pattern (1710 -2690 MHz)



Horizontal Pattern



Vertical Pattern