

Single Band Cylinder 3x1710-2690 20dBi, 3 beam, 22-degree Antenna With 1 Integrated RCUs

Electrical Specifications

Frequency range (MHz)	1710-2690
Polarization	± 45
Gain (dBi)	16.5 $\pm$ 1
Electrical downtilt ($^\circ$)	0-15
Sidelobe Suppression (dB)	≥ 15
Horizontal Plane 3dB Beamwidth ($^\circ$)	22 $\pm$ 5
Horizontal Plane 10dB Beamwidth ($^\circ$)	39 $\pm$ 10
Vertical Plane 3dB Beamwidth ($^\circ$)	23 $\pm$ 4
Vertical Plane 10dB Beamwidth ($^\circ$)	39 $\pm$ 10
Horizontal beam centers ($^\circ$)	-39,0,+39
Beam Cross-over (dB)	-10 $\pm$ 3
Horizontal Coverage	120
Front to Back Ratio (dB)	25
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 (2x43dBm)	≤ -150
Power Rating (W)	6 x 100W
Input Impedance (Ω)	50
Lighting Protection	DC Ground



Mechanical Specifications

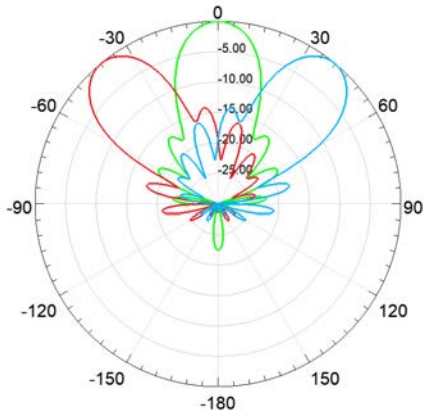
Radome Material	ASA
Connector Type and Location	4.3-10 Female x6 Bottom
AISG Connector	2x8 pin (in: Male; out: Female)
Mechanical Downtilt ($^\circ$)	0-20
Dimensions, Height x Diameter (mm)	530x450
Packing Size (mm)	~620x565x565
Net Weight (Kg)	7
Gross Weight (Kg)	~12
Clip Weight (Kg)	~2.8
Max. Wind Velocity(m/s)	55
Mounting hardware Diameter (mm)	$\varnothing 40$ mm ~ $\varnothing 114$ mm
Operational Temperature($^\circ$ C)	-40 to +70
Operational Humidity (%)	<95

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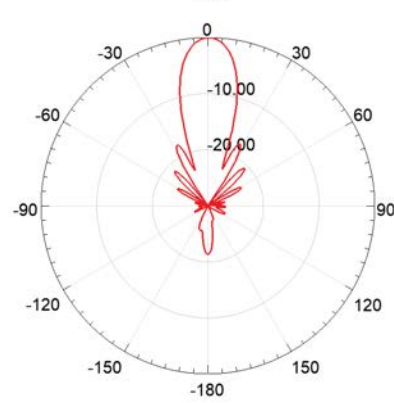
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Radiation Pattern (1710 -2690 MHz)



Horizontal Pattern



Vertical Pattern