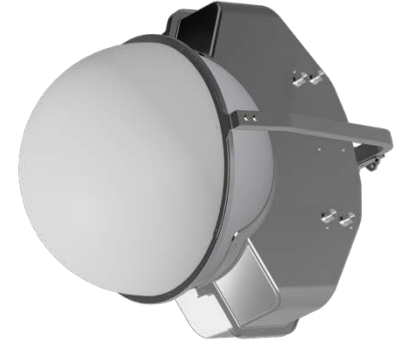


Single Band Spherical 2x820-960 20dBi, 2 beam, 35-degree Antenna

Electrical Specifications

Frequency range (MHz)	2x820-960
Polarization	± 45
Gain (dBi)	14 ± 1
Sidelobe Suppression (dB)	≥ 13
Horizontal Plane 3dB Beamwidth ($^\circ$)	37 ± 5
Horizontal Plane 10dB Beamwidth ($^\circ$)	68 ± 8
Vertical Plane 3dB Beamwidth ($^\circ$)	39 ± 5
Vertical Plane 10dB Beamwidth ($^\circ$)	65 ± 5
Horizontal beam centers ($^\circ$)	$-33, +33$
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 (2x43dBm)	≤ -150
Power Rating (W)	4 x 180W
Input Impedance (Ω)	50
Lighting Protection	DC Ground

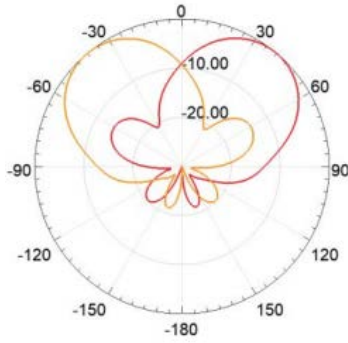


Mechanical Specifications

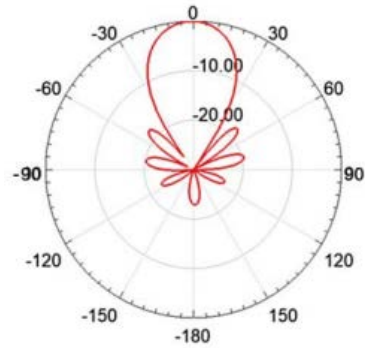
Radome Material	ASA
Connector Type and Location	4.3-10 Female x4 Bottom
Mechanical Downtilt ($^\circ$)	0-20
Dimensions, HxWxD (mm)	850x645x850
Packing Size (mm)	925x805x995
Net Weight (Kg)	14.4
Gross Weight (Kg)	34.3
Clip Weight (Kg)	2.81
Max. Wind Velocity(m/s)	55
Mounting hardware Diameter (mm)	$\varnothing 40 \text{ mm} \sim \varnothing 114 \text{ mm}$
Operational Temperature($^\circ\text{C}$)	$-40 \text{ to } +70$
Operational Humidity (%)	< 95

Frequency Range	2x820-960
Polarization	$\pm 45^\circ$
Horizontal Beam Center	$-33^\circ, +33^\circ$
Half-Power Beam Width	35°

Radiation Pattern (1710 -2690 MHz)



Horizontal Pattern



Vertical Pattern