

2496-2690MHz Sector Antenna
(Dual Port, 65° Beamwidth, +/-45° Polarisation, eRET)

*The parameters in this specification follow the definitions and recommendations per NGMN P-Basta, Release 9.6

RF Specifications

Frequency Range per Input	MHz	2496 - 2690
Polarisation:	NA	+/-45° Slant Linear
Gain		
0 Tilt	dBi	18
3 Tilt	dBi	17.7
6 Tilt	dBi	17.5
Over all Tilts	dBi	17.7
Azimuth Beamwidth	Degree	65
Azimuth Beam Squint	Degree <	3
Elevation Beamwidth	Degree	5.5
Electrical Downtilt:	Degree	T0° - T6°
Electrical Downtilt Deviation	Degree <	1
Impedance	Ohms	50
VSWR	NA <	1.4
Return Loss:	dB >	15
Isolation	dB >	28
Passive Intermodulation	dBc <	-150
Front to Back Ratio: Total Power +/- 30°	dB >	30
Upper Sidelobe Suppression, Peak to 20°	dB >	18
Cross Polar Discrimination at Sector	dB >	16
Maximum Effective Power Per Port	W	250



Mechanical Specifications

Dimensions (LxWxD) mm (in) (inc RET)	mm (in)	1372 (54) x 160 (6.2) x 85 (3.3)
Packing Size (LxWxD)	mm (in)	1505 (59.2) x 240 (9.4) x 178 (7)
Net Weight (antenna)	kg (lb)	8 (17.6)
Net Weight (mount)	kg (lb)	1.43 (3.1)
Shipping Weight	kg (lb)	9.4 (20.7)
Connector Quantity	NA	2 x 7/16 Din Female + AISG
Connector Position	NA	Bottom
Mounting Kit	NA	CL-V-120
Windload calculation	km/h	F=1/2*ρ*(Cdp*λ)*v²*A
Windload Frontal	N	450
Windload Lateral	N	230
Survival Wind Speed	km/h	200 (125)
Radome Material	NA	UV-Stabilised PVC
Radome Colour	RAL	7035
RET Options		Integrated RET
Product Compliance Environmental	NA	RoHS
Lightening Protection	NA	DC Grounded
Cold Temperature Survival	Celsius	-40
Hot Temperature Survival	Celsius	+ 70