

3550-3700MHz Sector Antenna

(Four Port, 62.5° Beamwidth, +/-45° Polarisation, Fixed Tilt)

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

RF Specifications

Frequency Range per Input	MHz	3550 - 3700
Polarisation:	NA	+/-45° Slant Linear
Gain	dBi	17
Azimuth Beamwidth	Degree	62.5 ± 5
Azimuth Beam Squint	Degree <	3
Elevation Beamwidth	Degree	8 ± 5
Electrical Downtilt:	Degree	0
Impedance	Ohms	50
VSWR	NA <	1.5
Return Loss:	dB >	14
Isolation	dB ≥	25
First side-lobe level	dB ≤	13
Front to Back Ratio: Total Power +/-30°	dB >	23
Cross Polar Discrimination at 0°	dB >	18
Maximum Effective Power Per Port	W	4

Mechanical Specifications

Dimensions (LxWxD)	mm	497 x 280 x 56
Net Weight (antenna)	kg	1.5
Connector Quantity	NA	4
Connector Type	NA	N Type Male Right Angle + Hexagon
Connector Position	NA	Back
Connector IP Rating	NA	IP66
Cable Length	mm	115 ± 3
Radome Material	NA	ASA Capped ABS
Radome Colour	RAL	RAL 9002
Product Compliance Environmental	NA	RoHS
Lightening Protection	NA	DC Grounded
Operating Temperature Range	Celsius	-40 to +60

Revision	Author	Date	Description	Approved by Airspan
0	Petr Svarc	13/02/2020	Initial Release	
R1	Petr Svarc	29/05/2020	Outline drawing and RF spec updated	
	Petr Svarc	08/07/2020	Gain tolerance removed	