

80013119

**Mid band 4T4R(FDD) +
3.5G 8T8R(TDD) Sector Antenna
15dBi - 14.1dBi / 3300-3800 Mhz**

Mid band 4T4R(FDD) +
3.5G 8T8R(TDD) Sector Antenna
15 dBi / 14.1 dBi
4-port x 1695-2690 MHz, 8-port x 3300-3800

Electrical specifications (None beamforming)

Port Information	Y1-Y2			
Frequency Range (Mhz)	1695-1755	1850-1990	2110-2155	2500-2690
Gain (dBi)	13.9	14.8	15.3	15.5
Horizontal Pattern				
Azimuth Beam width (°)	70±5	68±5	64±5	55±5
Front-to-Back Ratio	<-25			
Cross Polar Discrimination at Boresight	>15			
Cross Polar Discrimination over Sector	>8	>8	>7	>6
Vertical Pattern				
Elevation Beam width (°)	13±3	12±3	11±3	10±3
Electrical Downtilt continuously Adjustable	4-14			
First Upper Side Lobe Suppression	>14			

Electrical specifications (Single column beam)

Port Information	P1-P4
Frequency Range (Mhz)	3300-3800
Gain (dBi)	13
Horizontal Pattern	
Azimuth Beam width (°)	80±15
Front-to-Back Ratio (dB)	>25
Cross Polar Discrimination at Boresight (dB)	>15
Vertical Pattern	
Elevation Beam width (°)	11±3
Electrical Downtilt continuously Adjustable (°)	4-14
First Upper Side Lobe Suppression (dB)	>13

Electrical specifications (Broadcast beam / Beamforming)

Port Information	P1-P4
Frequency Range (Mhz)	3300-3800
Gain (dBi)	14.1
Horizontal Pattern	
Azimuth Beam width (°)	65±10
Front-to-Back Ratio (dB)	>25
Cross Polar Discrimination at Boresight (dB)	>15
Vertical Pattern	
Elevation Beam width (°)	10±3
Electrical Downtilt continuously Adjustable (°)	4-14
First Upper Side Lobe Suppression (dB)	>13

Electrical specifications (Service beam / Beamforming)

Port Information	P1-P4
Frequency Range (Mhz)	3300-3800
Gain (dBi)	17.5
Horizontal Pattern	
Azimuth Beam width (°)	21±3
Front-to-Back Ratio (dB)	>25
Cross Polar Discrimination at Boresight (dB)	>15
Vertical Pattern	
Elevation Beam width (°)	10±3
Electrical Downtilt continuously Adjustable (°)	4-14
First Upper Side Lobe Suppression (dB)	>13

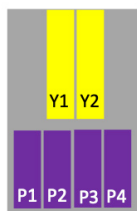
General specifications

Intrabrand Isolation (dB)	>23
Interbrand Isolation (dB)	>27(Y1,Y2/P1,P2,P3, P4) >25(Y1/Y2) >21(P1//P2//P3//P4)
VSWR	1.5: 1
Polarization (°)	±45
Intermodulation IM3 (dBc)	-150 (3rd Order, 2x20W)
Impedance (Ω)	50
Max. Effective Power per Port (Watts)	100

Mechanical specifications

Connector Type & Quantity	12 x 4.3-10 Female 1 x 4.3-10 Female (Cal. Port)
Connector Position	Bottom
Antenna Dimension (D x H) (mm)	53.1 x 13.8 x 6.3 / 1350 x 350 x 160
Packing Dimension (W x D x H) (mm)	57.1 x 16.5 x 8.7 / 1450 x 420 x 220
Weight (without Mounting Kit) (kg)	39.7 / 18
Wind Load (m/s)	Front 640, Side 256
Max. Wind Speed (mph)	150
Radome (Color)	ASA (Gray)

Array information



Array	Frequency(MHz)	AISG RET Unique ID		Connectors
Y1-Y2	1695-2690	RET	GNRETXXXXXXXXXXXXX1	4.3-10
P1-P4	3300-3800	RET	GNRETXXXXXXXXXXXXX2	4.3-10 X 8
		RAE	GNRETXXXXXXXXXXXXX3	4.3-10 X 1 (Cal. PORT)

