

OCTOBAND 2x 698-960 MHz, 6x 1710-2690 MHz

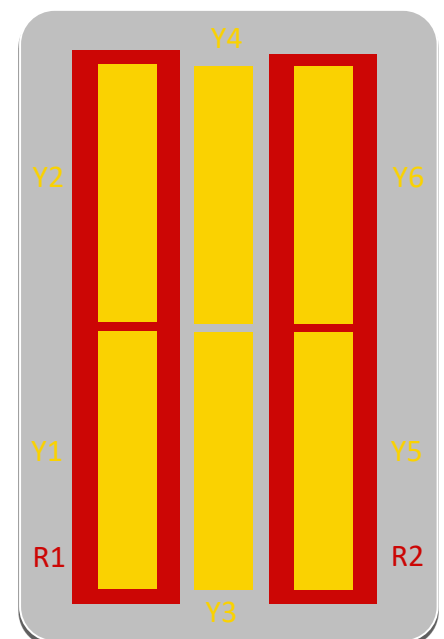
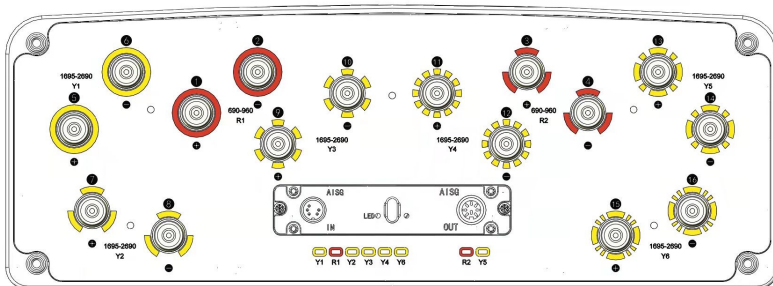
- Panel Antenna
- Internal RET

RF Electrical specifications*

Frequency Range (MHz)		690-824	806-896	880-960	1695-1880 1920-2170 2490-2690					
Cluster Name		R1 // R2			Y1 // Y3 // Y5			Y2 // Y4 // Y6		
Gain (dBi)	Mid tilt	15,8	16,6	17,1	16,6	17,2	17,8	16,2	16,9	17,4
	Over all Tilts:									
	Average	15,7	16,5	17,0	16,5	17,2	17,7	16,1	16,8	17,3
	Tolerance	0,7	0,7	0,6	0,8	0,8	1	0,8	0,8	1
Azimuth Beamwidth (deg)	Average	66	62	61	63	60	56	63	61	56
	Tolerance	6,5	5,5	5,5	8,5	8	6,5	8,5	8	6,5
Front to Back Ratio total power $\pm 30^\circ$ (dB)		>22	>24	>25	>25	>25	>26	>25	>25	>26
Cross Polar Discrimination at Boresight (dB)		>17	>17	>18	>16	>17	>17	>16	>17	>17
Elevation Beamwidth (deg)	Average	8,5	7,7	7,1	7,1	6,1	4,8	7,1	6,1	4,8
	Tolerance	0,7	0,7	0,7	0,8	0,7	0,6	0,8	0,7	0,6
Electrical Downtilt (deg)		2-12			2-12			2-12		
First Upper Sidelobe level		>15	>13	>15	>16	>16	>14	>16	>16	>14
Cross Polar Isolation (dB)		>26			>26			>26		
Interband isolation (dB)		>26			>26			>26		
Polarization (deg)		± 45			± 45			± 45		
Impedance (Ω)		50			50			50		
VSWR		< 1.5:1			< 1.5:1			< 1.5:1		
PIM, 2x43dBm (dBc)		< -150			< -150			< -150		
Max. Effective Power per Port (W)		250			200			200		

* All specifications are subject to change without notice. Refer to TELNET for the most current information.

* All specifications are based on NGMN recommendations on Base Station Antenna Standards (BASTA).



Mechanical specifications

Antenna Dimensions: Height/Width/Depth (mm)	2750 x 467 x 167
Packing Size: Height/Width/Depth (mm)	2930 x 542 x 277
Net Weight (kg)	45
Connector Quantity	16
Connector Type	4.3-10 female connectors
Connector Position	Bottom
Wind Load Frontal (N @ 150 KMH)	1185
Wind Load Lateral (N @ 150 KMH)	1325
Wind Load Rear (N @ 150 KMH)	525
Survival wind speed (km/h)	200
Azimuth (Full antenna / Per Sector)	N/A
Radome Material	Fiber glass
Radome Colour	Light grey
Mechanical Distance between Mounting Points - Antenna	N/A
Mechanical Distance between Mounting Points - Pole	N/A
Lightning Protection	DC Ground

TELNET RET

RET Type	Internal
Actuator standalone size: Height/Width/Depth (mm)	Inside the antenna
Actuator installed size: Height/Width/Depth (mm)	Inside the antenna
Working temperature range (°C)	-40 ~ 60
Power consumption (W)	2 – 10
Loss of position on power failure	False
Compatible standards	3GPP/AISG 2.0
Replaceability in field	Yes, without removing antenna.
Visual indicator available on tilt change	True
Daisy chain available	True



Contact Information

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