

HEXABAND 2x 698-960 MHz, 4x 1710-2690 MHz

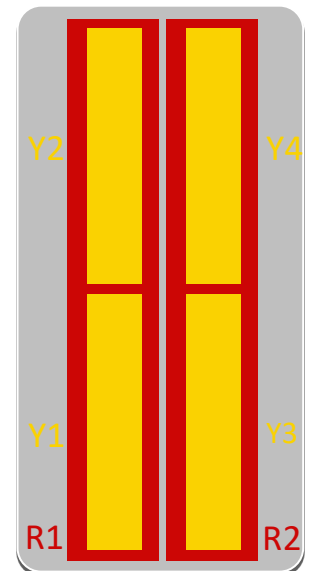
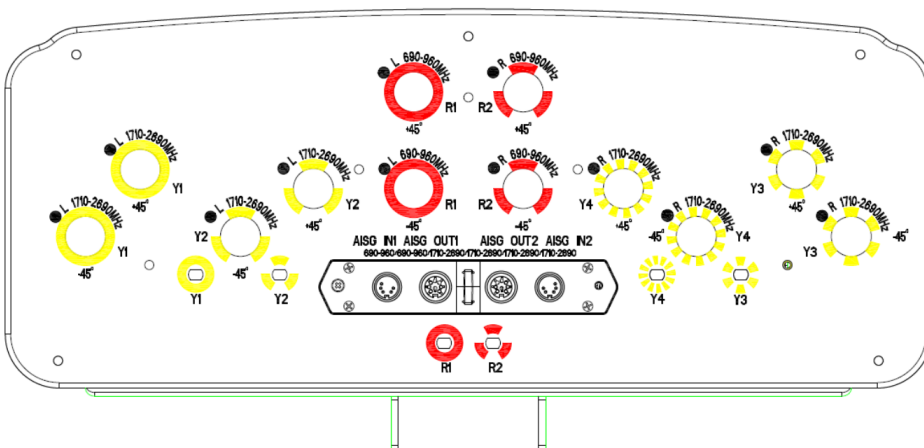
- Panel Antenna
- Internal RET

RF Electrical specifications*

Frequency Range (MHz)		690-824	824-880	880-960	1710-1920			1920-2170	2490-2690	
Cluster Name		R1 // R2			Y1 // Y3			Y2 // Y4		
Gain (dBi)	Mid tilt	16,0	16,7	17,0	16,6	17,4	17,6	16,5	17,2	17,4
	Over all Tilts:									
	Average	15,8	16,5	16,8	16,6	17,4	17,6	16,5	17,2	17,4
	Tolerance	0,5	0,3	0,3	0,6	0,5	0,5	0,6	0,5	0,5
Azimuth Beamwidth (deg)	Average	62	61	59	62	61	60	62	60	60
	Tolerance	4	5	4	3	3	5	3	3	4
Front to Back Ratio total power $\pm 30^\circ$ (dB)		>23	>25	>25	>27	>27	>26	>27	>27	>26
Cross Polar Discrimination at Boresight (dB)		>18	>21	>19	>16	>18	>16	>16	>18	>16
Cross Polar Discrimination Over Sector (dB)		>7	>6	>6	>6	>6	>5	>6	>6	>5
Elevation Beamwidth (deg)	Average	8,0	7,1	6,5	7,4	6,0	4,8	7,5	6,1	4,9
	Tolerance	0,6	0,2	0,3	0,9	0,6	0,4	0,8	0,6	0,4
Electrical Downtilt (deg)		2-12			2-12			2-12		
Tilt Accuracy (deg)		<1	<1	<1	<1	<1	<1	<1	<1	<1
First Upper Sidelobe level		>17	>17	>16	>16	>18	>15	>17	>17	>15
Cross Polar Isolation (dB)		>26			>27			>27		
Interband isolation (dB)		>28			>29			>29		
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			250			250		

* 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)	2850 x 499 x 199
Packing Size: Height/Width/Depth (mm)	3200 x 630 x 325
Net Weight (kg)	57
Shipping Weight (kg)	73
Connector Quantity	12
Connector Type	4.3-10 female connectors
Connector Position	Bottom
Wind Load Frontal (N @ 150 KMH)	2006
Wind Load Lateral (N @ 150 KMH)	800
Wind Load Rear (N @ 150 KMH)	2207
Survival wind speed (km/h)	200
Azimuth (Full antenna / Per Sector)	N/A
Radome Material	Fiber glass
Radome Colour	White
Mechanical Distance between Mounting Points - Antenna	N/A
Mechanical Distance between Mounting Points - Pole	N/A
Lightning Protection	IEC 61000-4-5 Current Pulse Profile, 8/20 μ s 10 Repetitions Min. @ 8kA

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 ~ 70
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

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