

PENTABAND 1x 698-960 MHz, 4x 1710-2690 MHz

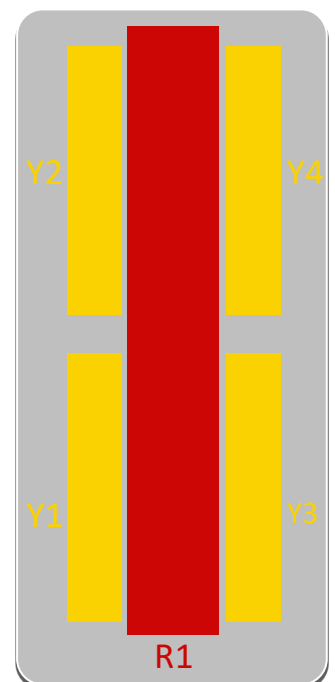
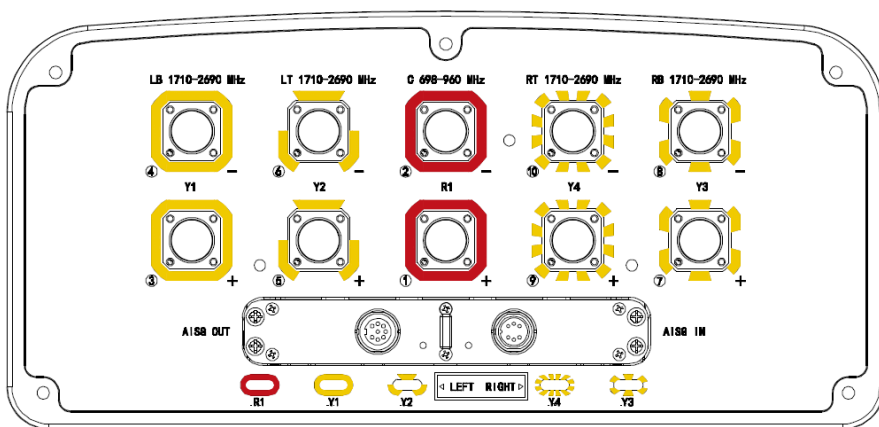
- Panel Antenna
- Internal RET

RF Electrical specifications*

Frequency Range (MHz)		698-862	880-960	1710-1880 1920-2170 2500-2690					
Cluster Name		R1		Y1 // Y3			Y2 // Y4		
Gain (dBi)	Over all Tilts:								
	Average	15,8	16,1	16,9	17,4	17,9	16,1	16,6	16,9
	Tolerance	0,4	0,4	0,5	0,5	0,7	0,5	0,5	0,7
Azimuth Beamwidth (deg)	Average	66	65	69	67	63	69	67	63
	Tolerance	2	1	3	3	5	3	3	5
Elevation Beamwidth (deg)	Average	8,3	7,1	6,9	6,3	5,3	6,9	6,3	5,3
	Tolerance	0,8	0,5	0,5	0,5	0,5	0,5	0,5	0,5
First Upper Sidelobe level		>15	>15	>15	>15	>15	>15	>15	>15
Cross Polar Discrimination at Boresight (dB)		>18	>17	>21	>19	>18	>21	>19	>18
Cross Polar Discrimination Over Sector (dB)		>8	>6	>10	>10	>6	>10	>10	>6
Front to Back Ratio total power $\pm 30^\circ$ (dB)		>25	>25	>23	>23	>23	>23	>23	>23
Electrical Downtilt (deg)		0-10			2-12				
Interband isolation (dB)		>28			>28				
Polarization (deg)		± 45			± 45				
Impedance (Ω)		50			50				
VSWR		< 1.5:1			< 1.5:1				
PIM, 2x43dBm (dBc)		< -153			< -153				
Max. Effective Power per Port (W)		300			300				

* 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)	2700 x 380 x 177
Packing Size: Height/Width/Depth (mm)	2940 x 470 x 285
Net Weight (kg)	36
Shipping Weight (kg)	50
Connector Quantity	10
Connector Type	4.3-10 female connectors
Connector Position	Bottom
Survival wind speed (km/h)	200
Azimuth (Full antenna / Per Sector)	N/A
Radome Material	Fiber glass
Radome Colour	White
Lightning Protection	DC grounded

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
Power consumption (W)	1–10
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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