

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

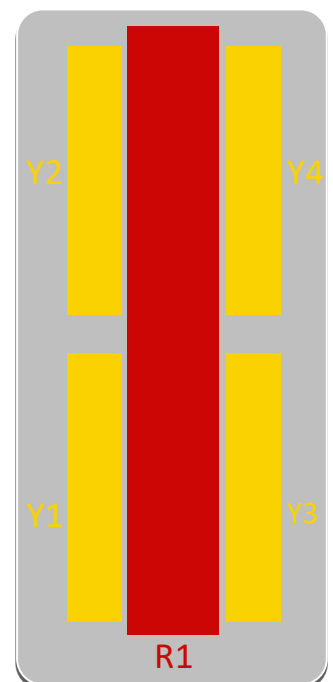
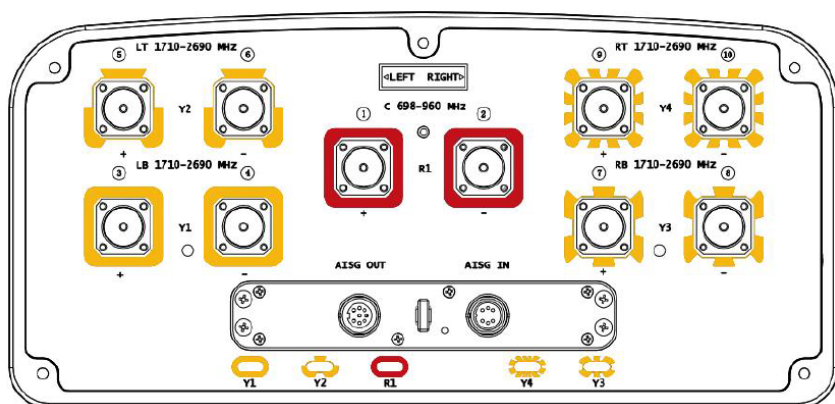
- Panel Antenna
- Internal RET

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:	15,9	16,4	16,9	17,2	17,4	16,4	16,7	16,9
	Average	0,8	0,8	0,8	0,8	1	0,8	0,8	1
	Tolerance								
Azimuth Beamwidth (deg)	Average	66	65	69	67	63	69	67	63
	Tolerance	3	2	4	6	6	4	6	6
Elevation Beamwidth (deg)	Average	8	7	7	6,4	5,4	7	6,4	5,4
	Tolerance	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8
First Upper Sidelobe level		>15	>15	>14	>14	>14	>14	>14	>14
Cross Polar Discrimination at Boresight (dB)		>18	>17	>20	>19	>18	>20	>19	>18
Cross Polar Discrimination Over Sector (dB)		>6	>6	>10	>8	>4	>10	>8	>4
Front to Back Ratio total power ±30° (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, 2x43dB (dB)		< -150			< -150				
Max. Effective Power per Port (W)		500			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)	2700 x 380 x 177
Packing Size: Height/Width/Depth (mm)	2940 x 475 x 285
Net Weight (kg)	38
Shipping Weight (kg)	52
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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