

TETRABAND 4x 1710-2690 MHz

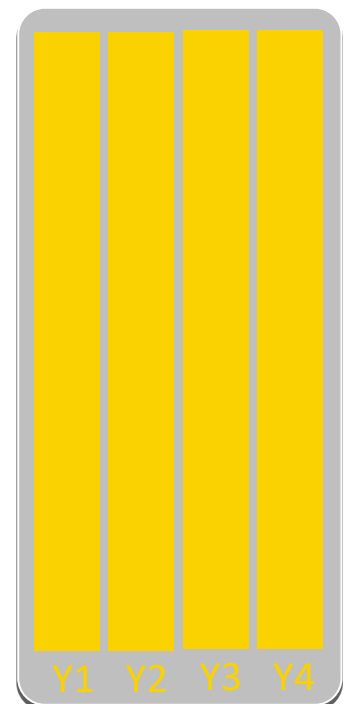
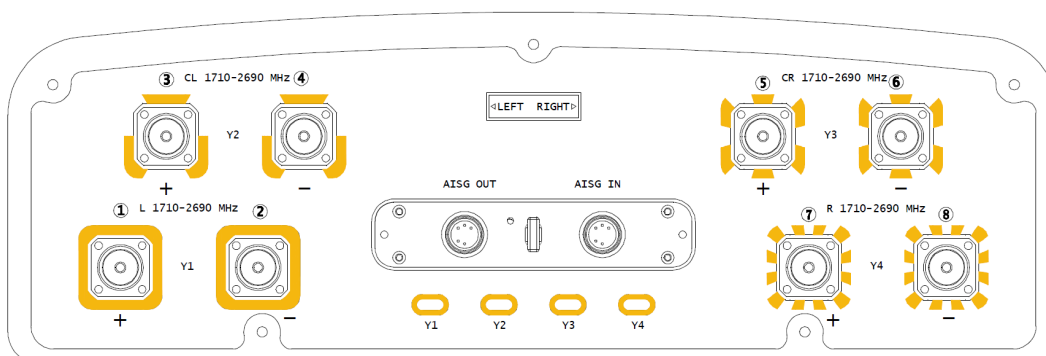
- Panel Antenna
- Internal RET

RF Electrical specifications*

Frequency Range (MHz)		1710-1880	1920-2170	2500-2690
Cluster Name		Y1 // Y2 // Y3 // Y4		
Gain (dBi)	Over all Tilts:			
	Average	16,2	16,8	17,6
	Tolerance	1,1	1,2	1,1
Azimuth Beamwidth (deg)	Average	62,0	63,6	60,0
	Tolerance	6	6	8
Elevation Beamwidth (deg)	Average	6,4	6	5,0
	Tolerance	0,5	0,7	0,5
Cross Polar Discrimination at Boresight (dB)		>18	>18	>16
First Upper Sidelobe level		>15		
Front to Back Ratio total power $\pm 30^\circ$ (dB)		>25		
Interband isolation (dB)		>28		
Polarization (deg)		± 45		
Electrical Downtilt (deg)		2-12		
Impedance (Ω)		50		
VSWR		< 1.5:1		
PIM, 2x43dB (dB)		< -150		
Max. Effective Power per Port (W)		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)	1500 x 450 x 145
Packing Size: Height/Width/Depth (mm)	1785 x 540 x 270
Net Weight (kg)	24
Shipping Weight (kg)	32
Connector Quantity	8
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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