

PENTABAND 5x 1710-2690 MHz

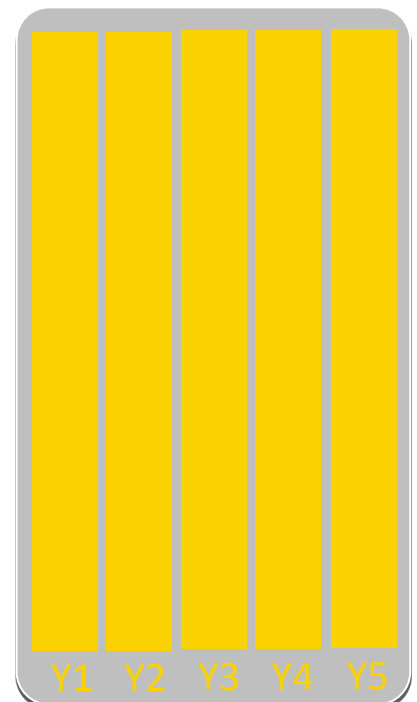
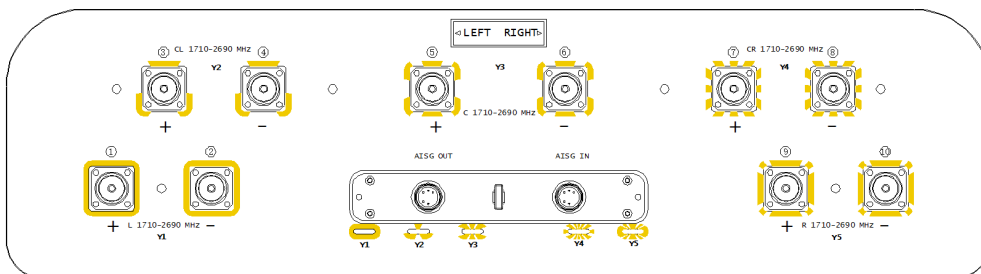
- Panel Antenna
- Internal RET

RF Electrical specifications*

Frequency Range (MHz)		1710-1880	1920-2170	2500-2690
Cluster Name		Y1 // Y2 // Y3 // Y4 // Y5		
Gain (dBi)	Over all Tilts:			
	Average	16,8	16,7	17,3
	Tolerance	0,8	0,9	1,1
Azimuth Beamwidth (deg)	Average	67,0	66,7	61,4
	Tolerance	6,4	5,3	5,2
Elevation Beamwidth (deg)	Average	6,6	6	5,1
	Tolerance	0,5	0,6	0,4
Cross Polar Discrimination at Boresight (dB)		>25	>25	>21
Cross Polar Discrimination Over Sector (dB)		>11	>11	>7
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 585 x 155
Packing Size: Height/Width/Depth (mm)	1770 x 720 x 300
Net Weight (kg)	30
Shipping Weight (kg)	40,2
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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