

## DUALBAND 2x 1710-2690 MHz

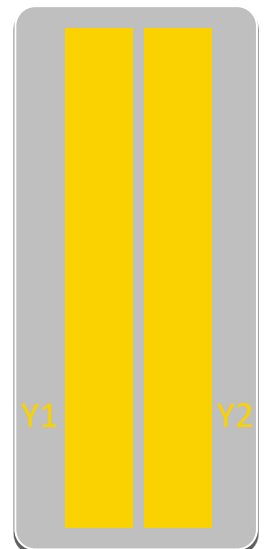
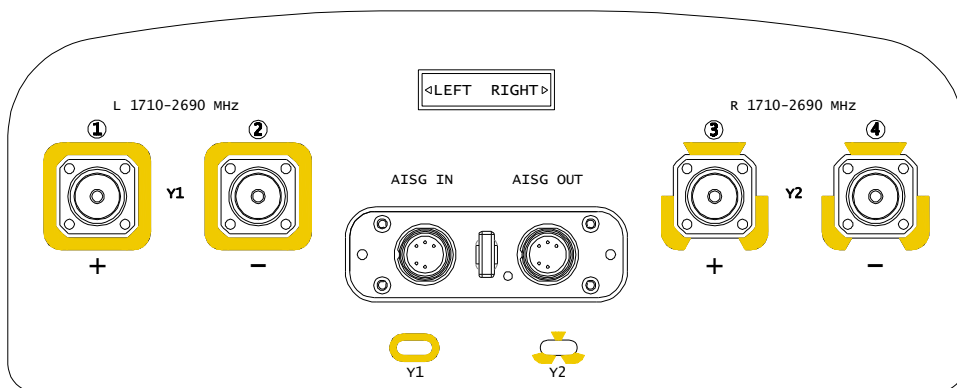
- Panel Antenna
- Internal RET

### RF Electrical specifications\*

Frequency Range (MHz)		1710-1880	1920-2170	2500-2690
Cluster Name		Y1 // Y2		
Gain (dBi)	Over all Tilts:			
	Average	16,9	17,4	17,4
	Tolerance	0,5	0,6	1,1
Azimuth Beamwidth (deg)	Average	68,0	65,0	61
	Tolerance	3	2,4	0,5
Elevation Beamwidth (deg)	Average	6,7	6,0	5,2
	Tolerance	0,5	0,5	0,5
Cross Polar Discrimination at Boresight (dB)		>23	>23	>15
Cross Polar Discrimination Over Sector (dB)		>12	>12	>7
First Upper Sidelobe level			>16	
Front to Back Ratio total power $\pm 30^\circ$ (dB)			>25	
Interband isolation (dB)			>28	
Polarization (deg)			$\pm 45$	
Electrical Downtilt (deg)			2–12	
Impedance ( $\Omega$ )			50	
VSWR			< 1.5:1	
PIM, 2x43dBm (dBc)			< -153	
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)	1470 x 320 x 123
Packing Size: Height/Width/Depth (mm)	1730 x 425 x 250
Net Weight (kg)	15
Shipping Weight (kg)	23
Connector Quantity	4
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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