

## PENTABAND 1x 1710-2690 MHz (65°) + 4x 1710-2690 MHz (33°)

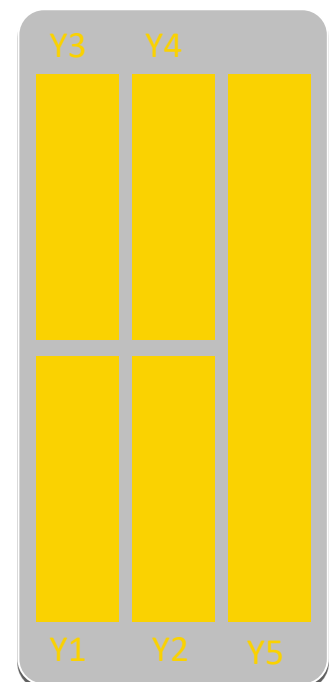
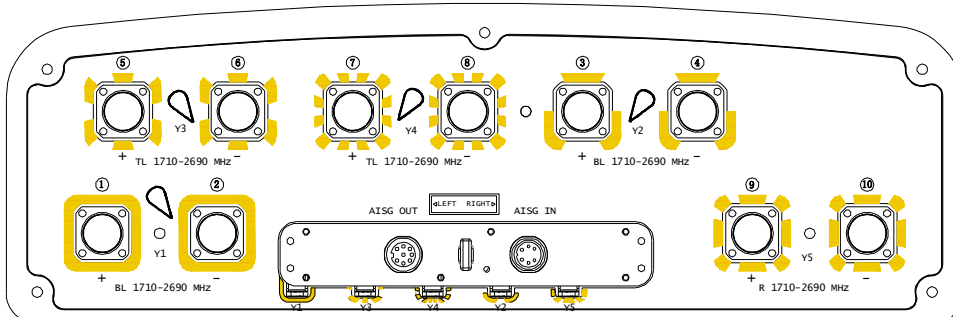
- Panel Antenna
- Internal RET
- HBW = 1x 65° + 4x 33°

### RF Electrical specifications\*

Frequency Range (MHz)		1710-1880			1920-2170			2300-2690			1710-2170		2300-2690	
Cluster Name		Y1 // Y2			Y3 // Y4			Y5						
Gain (dBi)	Over all Tilts:													
	Average	17,1	18,2	18,7	16,7	17,7	18,2	16,7	17,7	18,2	16,7	17,7		
	Tolerance	0,4	0,5	1,1	0,5	0,5	1,2	0,7	0,7	0,7	0,7			
Azimuth Beamwidth (deg)	Average	36	32	26	36	32	26	70	57					
	Tolerance	1,9	2,3	3,3	1,9	2,3	3,3	5	8					
Elevation Beamwidth (deg)	Average	10,5	9,3	7,5	10,5	9,3	7,5	5,9	4,7					
	Tolerance	0,4	0,7	0,6	0,4	0,7	0,6	0,6	0,3					
Beam Centers, Horizontal (°)		±27			±27			-	-					
First Upper Sidelobe level		>17	>20	>16	>17	>20	>16	>16	>16					
Cross Polar Discrimination at Boresight (dB)		>6	>11	>10	>6	>11	>10	>21	>21					
Front to Back Ratio total power ±30° (dB)		>29	>29	>29	>29	>29	>29	>27	>27					
Interband isolation (dB)		>28	>28	>28	>28	>28	>28	>28	>28					
Polarization (deg)		±45			±45			±45						
Electrical Downtilt (deg)		0-10			0-10			0-10						
Impedance (Ω)		50			50			50						
VSWR		< 1.5:1			< 1.5:1			< 1.5:1						
PIM, 2x43dB (dB)		< -150			< -150			< -150						
Max. Effective Power per Port (W)		250			250			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)	2000 x 450 x 145
Packing Size: Height/Width/Depth (mm)	2260 x 545 x 270
Net Weight (kg)	29
Shipping Weight (kg)	38
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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