

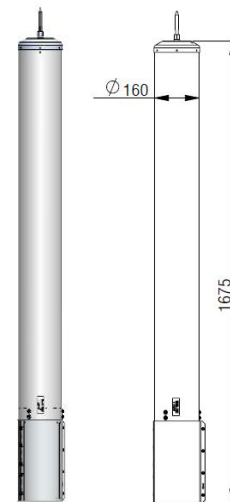
XXXXXX Pol Tube Antenna 6×1710-2690MHz 65° 14.5dBi 2° -12° Replaceable RET

Electrical Specifications

Frequency Range (MHz):		1710-2690(Y1,Y2,Y3,Y4,Y5,Y6)		
		1710-2170	2300-2490	2490-2690
Gain(dBi):	Top	13.3±0.5	13.8±0.5	14.0±0.5
	Bottom	13.5±0.5	14.0±0.5	14.3±0.5
Return Loss (dB):		>14 (VSWR<1.5)		
Polarization:		±45°		
Horizontal 3dB Beamwidth (°):		68	65	68
Vertical 3dB Beamwidth (°):		16	13	12
Electrical Downtilt (°):		2-12 Independently Continuously Adjustable, Two Systems per Sector Controlled by the Same Motor.		
RET Type:		RET Cascade SRET, AISG 2.0, Upgradeable		
1 st Upper Sidelobe Suppression (dB):		15	15	15
Front to Back Ratio (dB):		>22	>23	>23
Cross Polar Ratio 0° (dB):		>15	>15	>15
Cross Polar Ratio ±60° (dB):		>8	>8	>8
Isolation Port to Port (dB):		>25		
Max. Power Per Port (W):		200		
Intermodulation IM3 (dBc):		<-150(2×43 dBm)		
Impedance (ohm):		50		
Lightning Protection:		DC Grounded		
Connector Type:		3×MQ4		

Mechanical Data

Antenna Dimensions (mm):	Φ160(Diameter)×1675(Length)
Packing Dimensions (mm):	1810(Length)×265(Width)×270(Height)
Antenna Net Weight (kg):	15
Antenna Gross Weight (kg):	19
Radome Material:	Fiberglass
Mounting Kits (Included):	Flange Mounted

**Environmental Ratings**

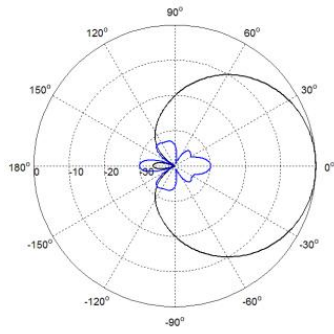
Humidity:	95%RH@+30°C
Temperature (°C):	-40~+70
Wind Load @150 km/h (N):	150
Max. Wind velocity(km/h):	200

Internal RET Specifications

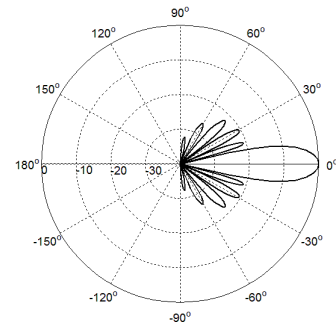
RET type:	Replaceable RET
RET protocol:	AISG 2.0 /3 GPP
Input voltage range (V):	10-30 DC
Power consumption (W):	< 5 (motor activated, single RET) < 1 (stand by, single RET), < 1.5 (stand by, 12V)
Adjustment time (full range):	< 120 (typically, depending on antenna type)
RET connector:	1 pair of AISG 5 pin male & female
Pin assignment according AISG:	8 pin circular connector conforming to IEC 60130-9 - Ed. 3.0
Lightning protection (kA):	5 (8/20 μs Differential mode), 8 (8/20 μs Common mode)

3L20X305P-2Q

Typical Patterns

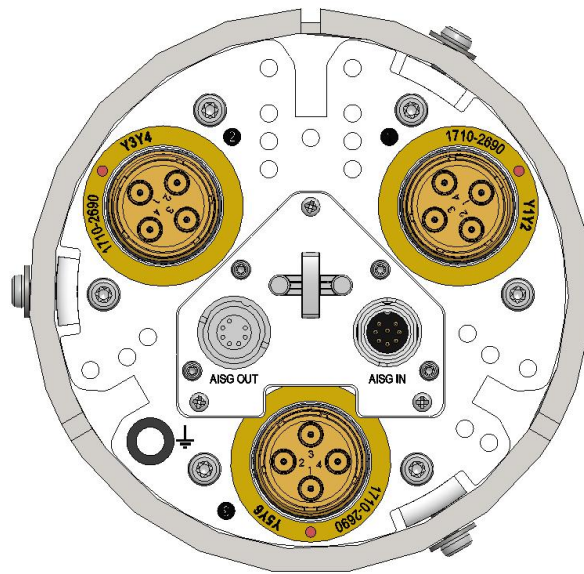


Azimuth



Elevation

Bottom View



Correlation Table

Frequency range	Array	Sector	Connector	RET S/N
1710–2690 MHz	Y1/Y2	1	MQ4-1	BRxxx.....Y1Y2
1710–2690 MHz	Y3/Y4	2	MQ4-2	BRxxx.....Y3Y4
1710–2690 MHz	Y5/Y6	3	MQ4-3	BRxxx.....Y5Y6

