

## Product Data Sheet

**3UL20X305.10P3-2C**

**3XXX Pol Tube Antenna 3×698-960/6×1710-2690MHz 65°/65° 14/18dBi 2°-16°/2°-12° Replaceable RET**

**Electrical Specifications**

Frequency Range (MHz):	3×698-960(R1)			6×1710-2690 (Y1,Y2)		
	698-806	806-880	880-960	1710-2170	2300-2490	2490-2690
Gain (dBi),	13.3±0.5	13.7±0.5	14.2±0.5	16.8±0.8	17.4±0.5	17.7±0.5
Return Loss (dB):	>14 (VSWR<1.5)					
Polarization :	±45°					
Horizontal 3dB Beamwidth (°):	74	72	69	67	60	58
Vertical 3dB Beamwidth (°),	15.0	13.5	12.5	7.0	5.5	5.0
Electrical Downtilt (°):	2-16			2-12		
RET Type:	RET Cascade SRET, AISG 2.0 ,Upgradeable					
1 <sup>st</sup> Upper Sidelobe Suppression (dB):	15	15	15	15	15	15
Front to Back Ratio 180±30°(dB):	22	23	23	25	25	25
Cross Polar Ratio 0° (dB)	15	15	15	15	15	15
Intraband Isolation (dB):	≥25			≥25		
Interband Isolation (dB):	≥25					
Max. Power Per Port (W):	250			200		
Intermodulation IM3 (dBc):	<-150 (2×43 dBm)					
Impedance (ohm):	50					
Lightning Protection:	DC Grounded					
Connector Type:	18×4.3-10 Female					

**Mechanical Data**

Antenna Dimensions (mm):	Φ400(Diameter)×1450(Length, mounting base excluded )
Packing Dimensions (mm):	1840(Length)×485(Width)×490(Height)
Antenna Net Weight (kg)/ Base(kg):	35.5 / 8.5
Antenna Gross Weight (kg):	51
Radome Material:	ASA/ABS
Mounting Kits (Included):	Flange Mounted

**Environmental Ratings**

Humidity:	95%RH@+30°C
Temperature (°C):	-20~+75
Wind Load @150 km/h (N):	368
Max.Wind velocity(km/h):	200

**Internal RET Specifications**

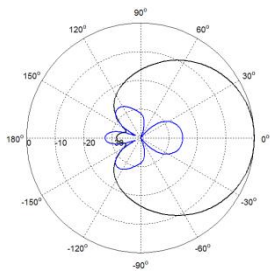
RET type:	Replaceable RET
RET protocol:	AISG 2.0 /3 GPP
Input voltage range(V):	10-30 DC
Power consumption(W):	< 5 (motor activated , single RET) < 1 (stand by, single RET), < 1.5 (stand by, 12V)
Adjustment time (full range): (s):	< 120 (typically, depending on antenna type)
RET connector:	1 pair of 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)



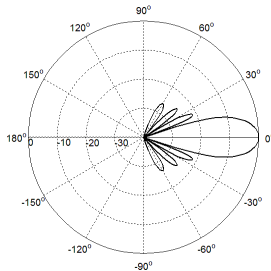
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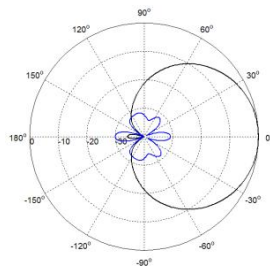
## Typical Patterns



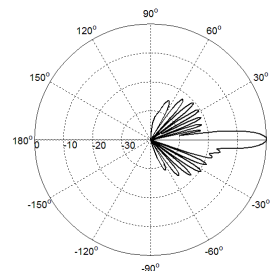
Azimuth(Low band)



Elevation(Low band)



Azimuth(High band)



Elevation(High band)

## Bottom View

