

Band	698-960
Polarization	X
Half-power Beam Width	65°



Model: X65-789RTDHW

No. Electrical Specifications

1	Operating Frequency Band ,[MHz]	698-960	
2	Frequency Range ,[MHz]	698-894	870-960
3	Polarization , [degrees]	±45	
4	Gain [dBi]	16.5 ±0.6	17.1 ±0.5
5	Horizontal Beam Width ,[degrees]	65 ±5	61 ±4
6	Front-to-Back Ratio (180° ±30°) , [dB]	≥25	≥27
7	Cross Polar Boresight ,[dB]	≥15	
8	Discrimination Sector ,[dB]	≥10	
9	Vertical Beam Width ,[degrees]	8.8 ±1.3	7.5 ±0.6
10	Adjustable Electrical Downtilt	0°-10°	
11	Sidelobe suppression for first sidelobe above main beam ,[dB]	≥17	≥17
12	VSWR	≤1.5	≤1.5
13	Cross Polar Isolation ,[dB]	≥30	
14	3rd Order PIM@2x43dBm	≤-150dBc	
15	Maximum Input Power	500W	
16	Impedance	50Ω	
17	Lightning Protection	DC Ground	
18	Values based on NGMN-P-BASTA(Version 9.6) requirements		

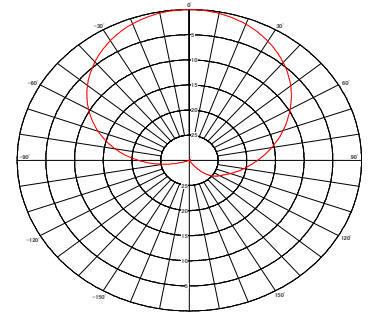


Mechanical Specifications

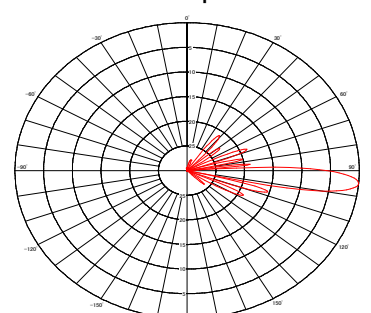
19	Radome Material	Fiberglass
20	Connector Type	7/16 DIN Female x 2
21	Mounting Hardware	
22	Mast Diameter Adjustable	φ 50mm - φ 115mm
23	Mechanical Downtilt Angle	0° - 15°
24	Operating Temperature Range	-40°C - +65°C
25	Operating Humidity	0 - 95%RH @+30°C
26	Enclosure Protection	IP55
27	RF Connector Protection	IP67
28	Wind Load (Front / Lateral / Rear)	1145N / 527N / 1145N (at 150km/h)
29	Wind Velocity	200 km/h
30	Weight	26kg
31	Dimension (Length x width x depth)	2440mm x 315mm x 145mm



Horizontal Pattern



Vertical pattern



RET Informations

32	Condition	External
33	Protocol	3GPP / AISG 2.0
34	Input Voltage	10 - 30 V
35	Power Consumption	< 1W (Idle state)
		< 8.5 W (Motor activated)