

Band	790-960
Polarization	X
Half-power Beam Width	65°



Model: X65-89RTDHW

Electrical Specifications

Operating Frequency Band ,[MHz]	790-960	
Frequency Range ,[MHz]	790-894	870-960
Polarization , [degrees]	±45	
Gain [dBi]	17.0 ±1.3	17.6 ±0.8
Horizontal Beam Width ,[degrees]	64 ±5.0	60 ±3.0
Front-to-Back Ratio (180°±30°) , [dB]	≥25	
Cross Polar Discrimination	Boresight ,[dB]	≥15
	Sector ,[dB]	≥9.6
Vertical Beam Width ,[degrees]	7.9 ±0.8	7.2 ±0.6
Adjustable Electrical Downtilt	0°-10°	
Sidelobe suppression for first sidelobe above main beam ,[dB]	≥16	
VSWR	≤1.5	
Cross Polar Isolation ,[dB]	≥30	
3rd Order PIM@2x43dBm	≤-150dBc	
Maximum Input Power	500W	
Impedance	50Ω	
Lightning Protection	DC Ground	

Values based on NGMN-P-BASTA (Version 9.6) requirements

Mechanical Specifications

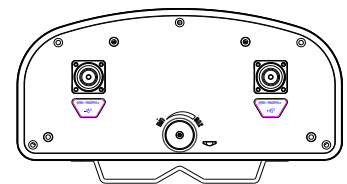
Radome Material	Fiberglass / UPVC
Connector Type	7/16 DIN Female x 2
Mounting Hardware	
Mast Diameter Adjustable	φ 50mm - φ 115mm
Mechanical Downtilt Angle	0° - 15°
Operating Temperature Range	-40°C - +65°C
Operating Humidity	0 - 95%RH @+30°C
Enclosure Protection	IP55
RF Connector Protection	IP67
Wind Load (Front / Lateral / Rear)	1030N / 519N / 1030N (at 150km/h)
Wind Velocity	200 km/h
Weight	≤21kg
Dimension (Length x width x depth)	2560mm x 270mm x 136mm

Packed Dimensions

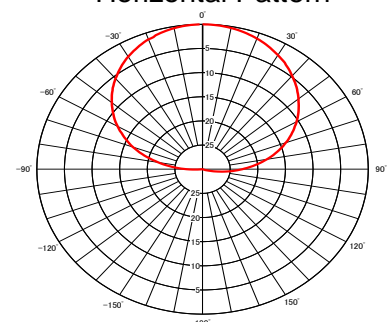
Weight	≤29kg (Included mounting bracket)
Dimension (Length x width x depth)	2830mm x 380mm x 245mm

RET Informations

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



Horizontal Pattern



Vertical pattern

