

Band	1710-2690 x3
Polarization	XXX
Half-power Beam Width	65°



## Model: 3X65-1727RTDW

### Electrical Specifications

Operating Frequency Band ,[MHz]		1710-2690 x3		
Frequency Range ,[MHz]		1710-1880	1920-2170	2500-2690
Polarization , [degrees]		±45, ±45, ±45		
Gain [dBi]		16.8 ±0.5	17.0 ±0.5	17.5 ±0.7
Horizontal Beam Width ,[degrees]		66.0 ±6.0	64.0 ±6.0	63.0 ±6.0
Front-to-Back Ratio (180°±30°) , [dB]		≥25	≥23	≥25
Cross Polar Discrimination	Boresight ,[dB]	≥18	≥18	≥15
	Sector ,[dB]	≥7	≥7	≥7
Vertical Beam Width ,[degrees]		8.3 ±0.7	7.5 ±0.9	5.9 ±0.7
Adjustable Electrical Downtilt		0-10		
Sidelobe suppression for first sidelobe above main beam ,[dB]		≥18	≥18	≥18
VSWR		≤1.5		
Isolation [dB]	Cross Polar	≥25		
	Port to Port	≥25		
3rd Order PIM@2x43dBm ,[dBc]		≤-150		
Maximum Input Power		250W		
Impedance		50Ω		
Lightning Protection		DC Ground		

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

### Mechanical Specifications

Radome Material	ASA
Connector Type	4.3-10 Female x6
Mounting Hardware	
Mast Diameter Adjustable	φ 50mm - φ 115mm
Mechanical Downtilt Angle	0° - 20°
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)	810N / 295N / 810N (at 150km/h)
Wind Velocity	200 km/h
Weight	27kg
Dimension(Length x width x depth)	1378mm x 394mm x 144mm

### RET Informations

Condition		Internal
Protocol		3GPP / AISG 1.1 / AISG 2.0 Multi RET
Input Voltage		10 - 30 V
Power Consumption		< 1W (Idle state) < 8.5 W (Motor activated)
Number of Interface	Multi RET	Male: 1 , Female: 1

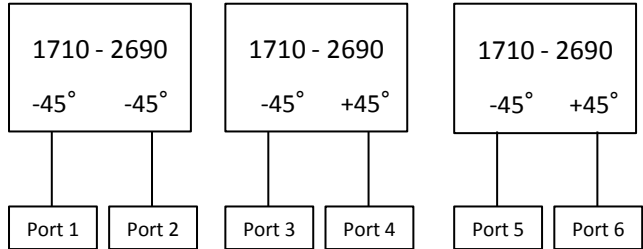


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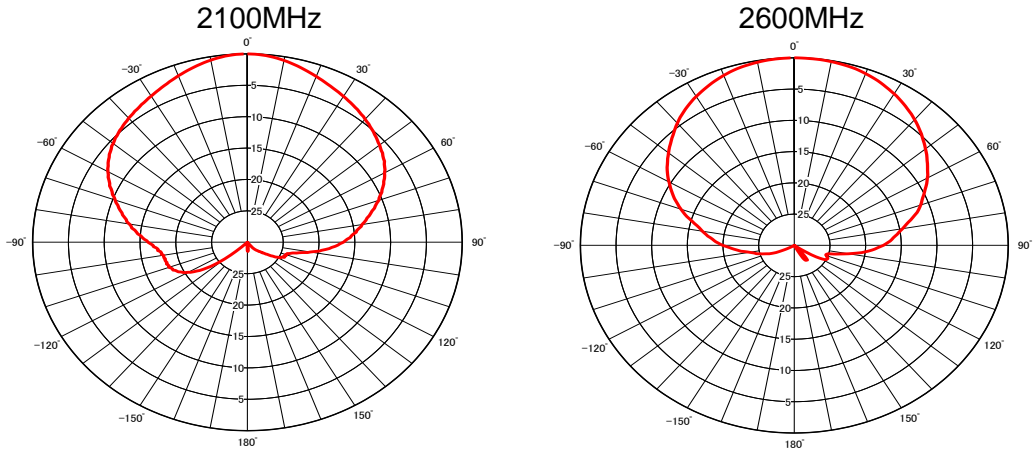
**RF Port Diagram**



**Layout of Interface (Antenna bottom view)**



**Horizontal Plane Radiation Pattern**



**Vertical Plane Radiation Pattern**

