

Band	1710-2690 x 5
Polarization	XXXXX
Half-power Beam Width	14°



Model: 5X14-1727FTD [5-Beam Antenna with Adjustable Fixed Downtilt] Rev.01

Features

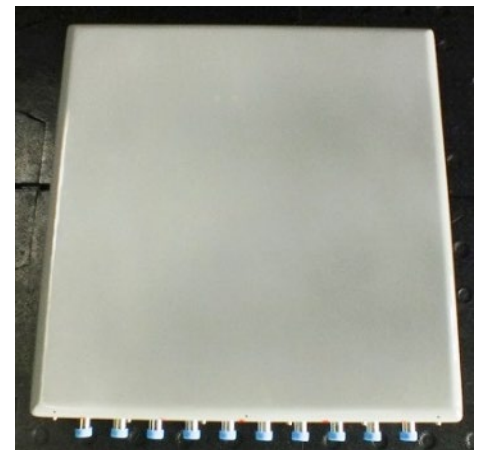
- Multi-directional 5-Beam antenna for small cell, outdoor DAS and high-capacity stadium applications
- 15° degree beamwidth dual-polarized covering for AWS/PCS/WCS/BRS bands with 3 degree adjustable downtilt
- Ideal for multi-carrier or 2x2 MIMO deployments
- Optional mounting bracket available
- Available with 10x 4.3-10(F) connectors

Electrical Specifications

Operating Frequency Band ,[MHz]		1710-2690 x 5			
Frequency Range ,[MHz]		1710-1880	1850-1990	1920-2170	2300-2690
Polarization , [degrees]		±45, ±45, ±45, ±45, ±45			
Gain [dBi]		19.5	20.0	20.5	21.0
Horizontal Beam Width ,[degrees]		17	15	14	11
Front-to-Back Ratio , [dB]		≥ 30	≥ 30	≥ 30	≥ 30
Vertical Beam Width ,[degrees]		12.0	11.5	10.5	9.0
Electrical Downtilt		3 Fixed			
Sidelobe suppression for first sidelobe above main beam ,[dB]		≥ 20	≥ 20	≥ 20	≥ 20
VSWR		≤ 1.5	≤ 1.5	≤ 1.5	≤ 1.5
Isolation	Cross Polar, [dB]	≥ 25	≥ 25	≥ 25	≥ 25
3rd Order PIM@2x43dBm ,[dBc]		≤ -150			
Maximum Input Power [W]		200			
Impedance [Ω]		50			
Lightning Protection		DC Ground			

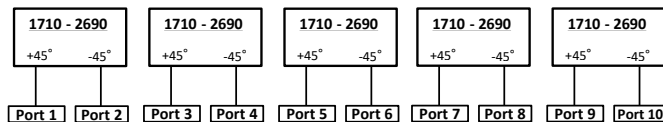
Mechanical Specifications

Redome Material	Fiberglass
Connector Type	4.3-10 Female x 10
Mounting Hardware	
Mast Diameter Adjustable	φ50mm - φ125mm (φ1.97inch - φ4.93inch)
Mechanical Downtilt Angle	0° - 15°
Operating Temperature Range	-40 ~ +65 °C , (-40 - 149 °F)
Operating Humidity	0 - 95%RH (@+30°C, 86°F)
Enclosure Protection	IP55
RF Connector Protection	IP67
Wind Load (Front / Lateral / Rear)	966N / 144N / 966N @150 km/h (@93.3 mile/h)
Wind Velocity	180 km/h (111.9 mile/h)
Weight	25 kg (55.2 lb)
Dimension (Length x width x depth)	805 x 805 x 120 mm (31.7 x31.7 x4.73 inch)



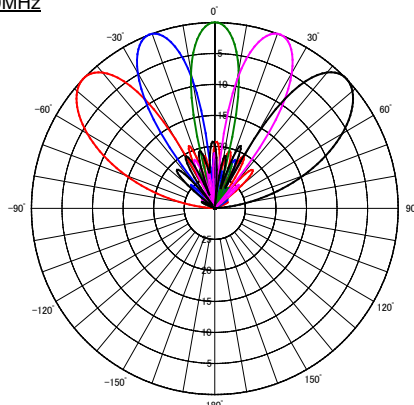
Antenna Bottom View

Port Layout



Horizontal Plane

2100MHz



Vertical Plane

2100MHz

