Horn Antenna

CRF-DA-400M2700M-6-12dBi

Frequency Range
400 – 2700 MHz

Rated Output Power
100 W

Connector
SMA-K

Package Size
445 × 370 × 480 mm

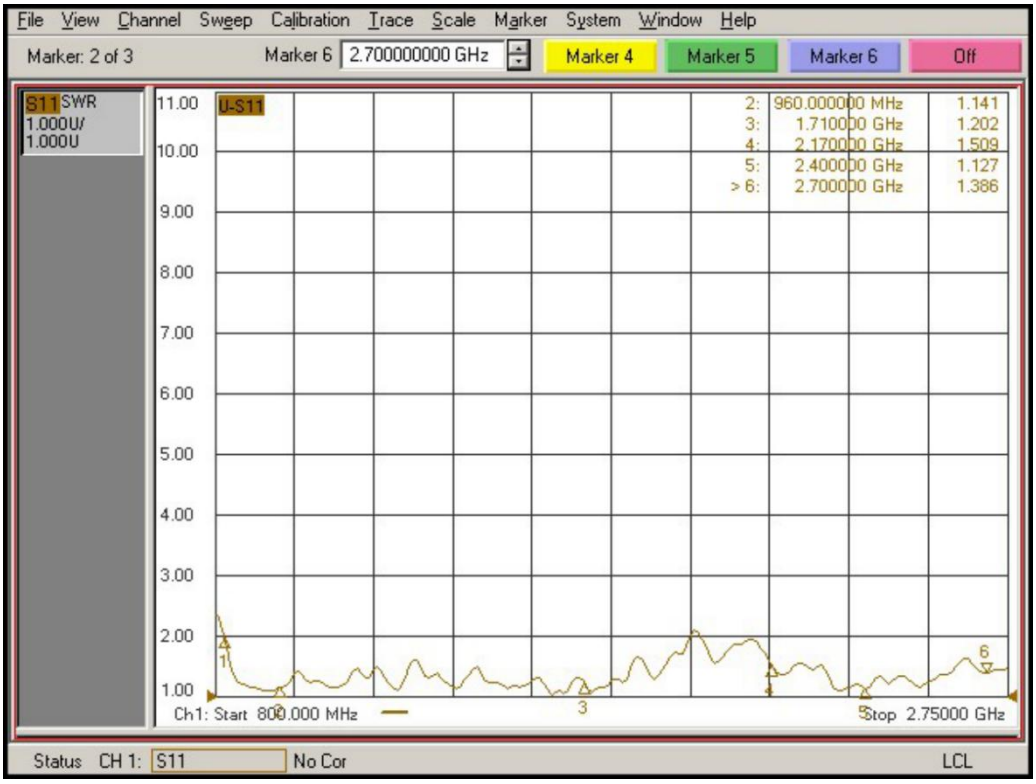
Electrical Characteristics

Test conditions: 50Ω system, unless otherwise specified.

Parameter	Min	Typ	Max	Units
Frequency Range		400 – 2700 MHz		
Gain	6		12	dBi
Half-Power Beamwidth		H-Plane: 76° E-Plane: 99°		
VSWR			< 2.0	
Impedance		50		Ω
Polarization		Vertical		
Power, Max.			100	W
Connector		SMA-K		
Cable		No Cable		
Element Material		Aluminum		
Radome Material		Aluminum		
Connector Placement		Bottom		
Dimensions		445 × 370 × 480 mm		
Weight		≈ 6		kg
Operating Temperature	-40		+65	°C
Storage Temperature	-40		+80	°C
Mounting		Standard horn mounting structure		
Application		RF testing / EMC / laboratory / directional measurement		
Notes		Representative data from uploaded test report		

Typical Performance Curve

Representative VSWR measurement and uploaded test data retained for the corresponding model.



Curve note: Original uploaded VSWR screenshot retained. Pattern plots and gain / efficiency data are available for project review.

Applications Outdoor RF coverage / communication / fixed installation	Customization Custom connector, mounting structure, radome details and integration options are available. CorelixRF engineering team can provide feasibility reviews within 48 hours.

Compliance / Quality Framework

RoHS Compliant	CE / FCC	ISO 9001	GJB 9001C

Test data and pattern files can be supplied for project review where applicable.

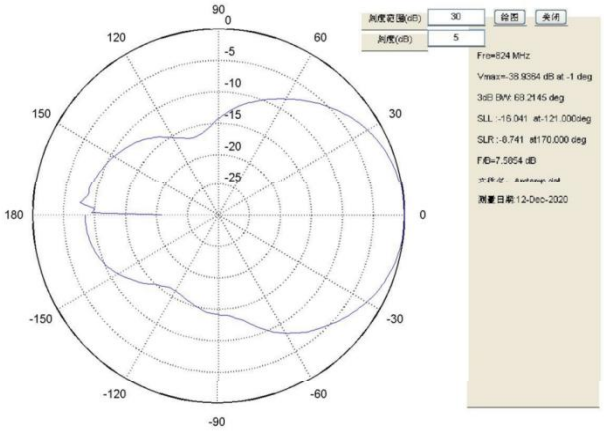
Product Sample and Placement



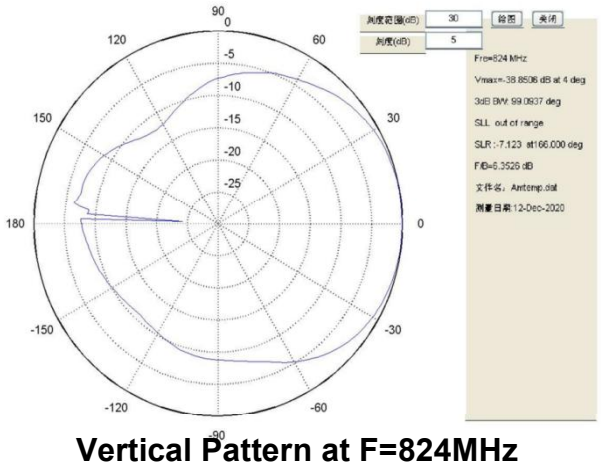
Model CRF-DA-400M2700M-6-12dBi	**Package Size** 445 × 370 × 480 mm	**Weight** ≈ 6 kg
Connector Reference Connector: SMA-K Placement: Bottom Polarization: Vertical	**Materials** Element: Aluminum Radome: Aluminum Cable: No Cable	**Release Note** Product sample image is kept visible for easier installation reference and project review.

Measured Patterns (400–2700 MHz)

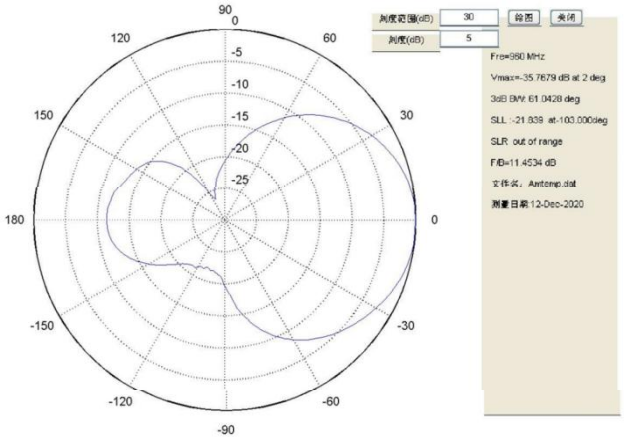
Horizontal & Vertical Pattern (824 / 960 / 1710 / 2170 / 2700 MHz)



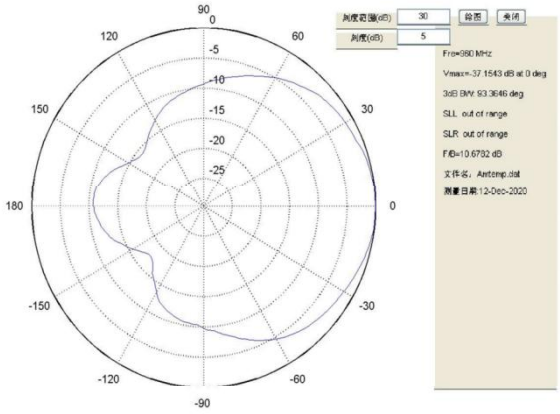
Horizontal Pattern at F=824MHz



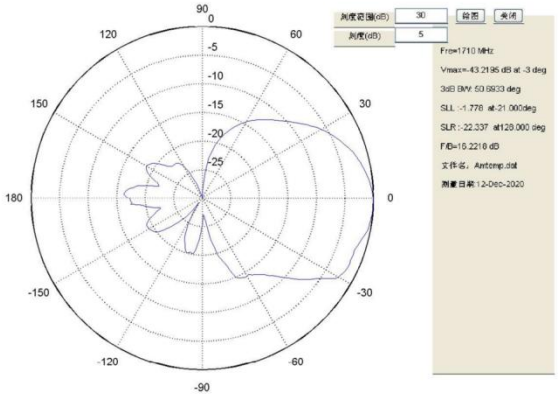
Vertical Pattern at F=824MHz



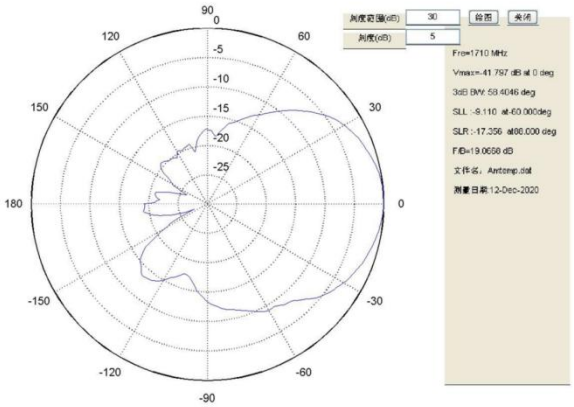
Horizontal Pattern at F=960MHz



Vertical Pattern at F=960MHz



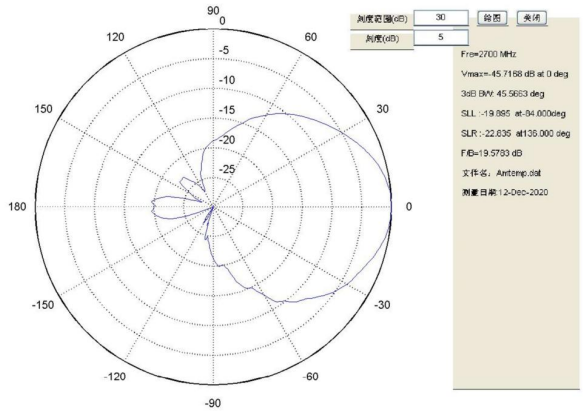
Horizontal Pattern at F=1710MHz



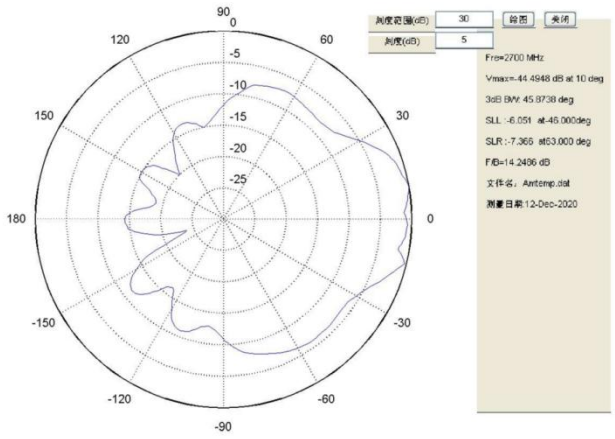
Vertical Pattern at F=960MHz

Measured Patterns

Horizontal & Vertical Pattern



Horizontal Pattern at F=2700MHz



Vertical Pattern at F=2700MHz