Omnidirectional Antenna

CRF-OA-800M2600M-5.5dBi

Frequency Range
800 – 2,600 MHz

Rated Output Power
250 W

Connector
N-J

Package Size
Φ90 × 120 mm

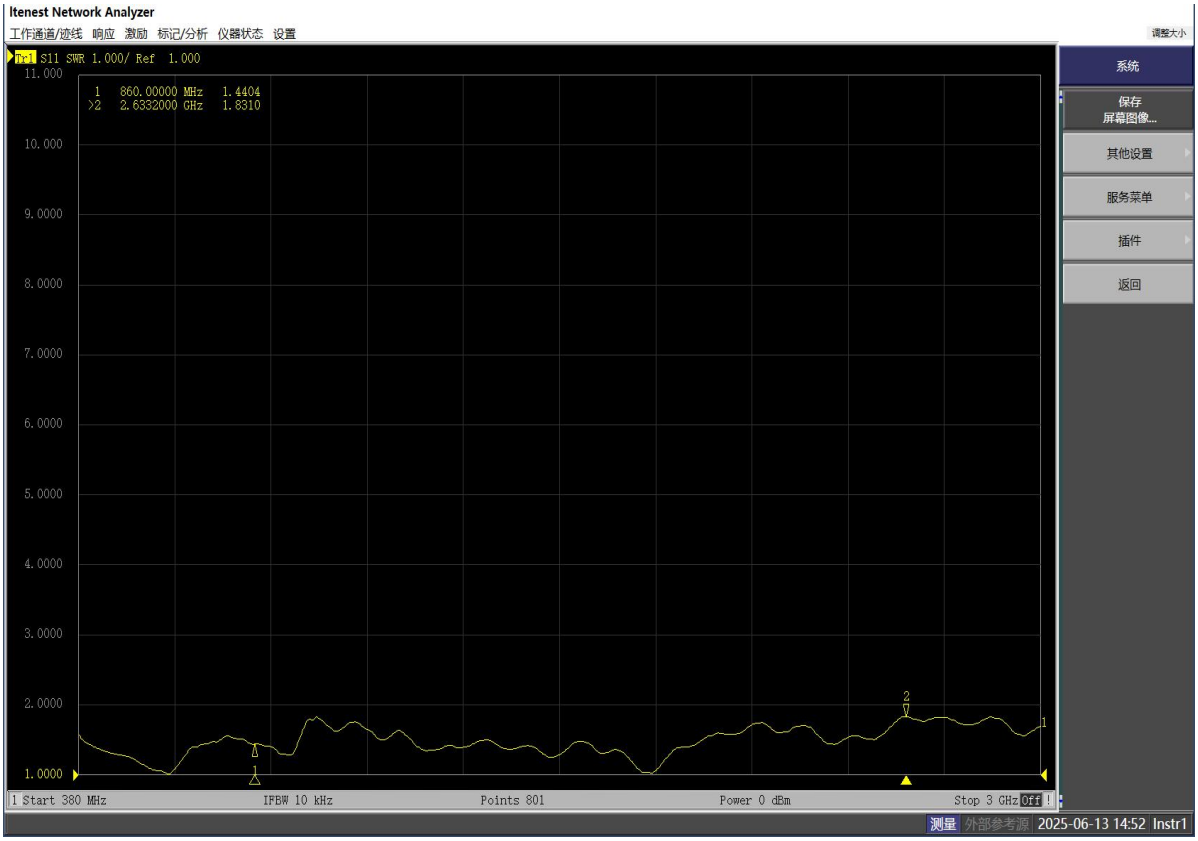
Electrical Characteristics

Test conditions: 50Ω system, unless otherwise specified.

Parameter	Min	Typ	Max	Units
Frequency Range		800 – 2,600 MHz		
Gain	0		5.5	dBi
Half-Power Beamwidth		H-Plane: – E-Plane: 115.77°		
VSWR			< 2.0	
Impedance		50		Ω
Polarization		Vertical		
Power, Max.			250	W
Connector		N-J		
Cable		No Cable		
Element Material		Copper		
Radome Material		Nylon		
Connector Placement		Bottom		
Dimensions		Φ90 × 120 mm (Flange Φ140 mm)		
Weight		≈ 600		g
Operating Temperature	-40		+65	℃
Storage Temperature	-40		+80	℃
Mounting		Flange Mount		
Application		Outdoor / fixed installation / system integration		
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 / system integration	Customization Custom frequency bands, connector, cable, radome color and mounting details 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.

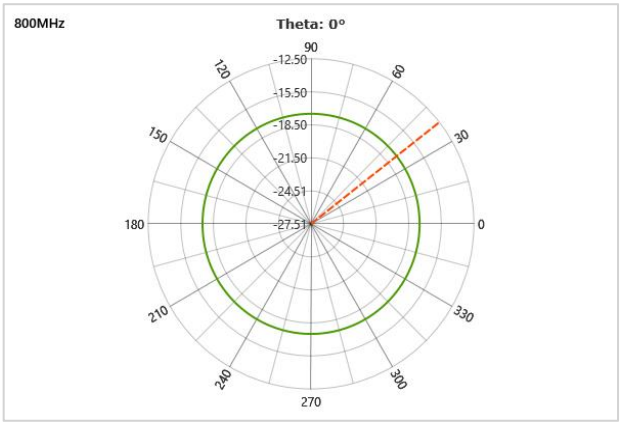
Product Sample and Placement



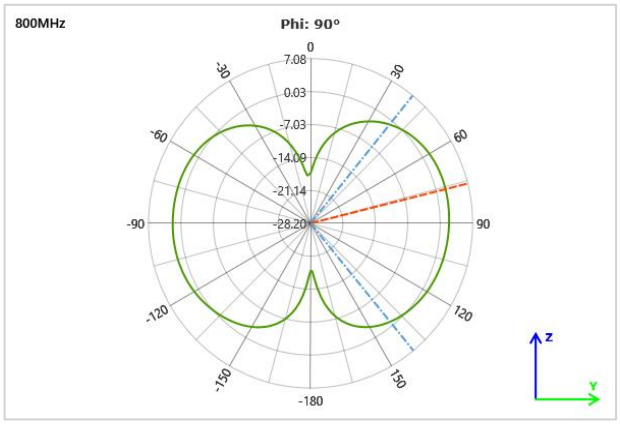
Model CRF-OA-800M2600M-5.5dBi	**Package Size** Φ90 × 120 mm Flange: Φ140 mm	**Weight** ≈ 600 g
Connector Reference Connector: N-J Placement: Bottom Polarization: Vertical	**Materials** Element: Copper Radome: Nylon Cable: No Cable	**Release Note** Product sample image is kept visible for easier installation reference and project review.

Measured Patterns (800-2600MHz)

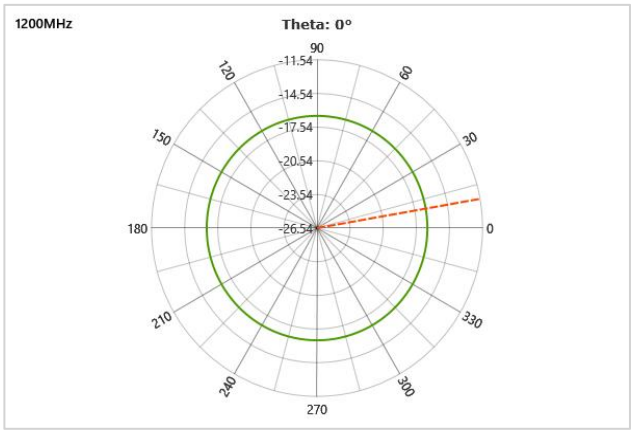
Horizontal & Vertical Pattern (800/ 1200/1600MHz)



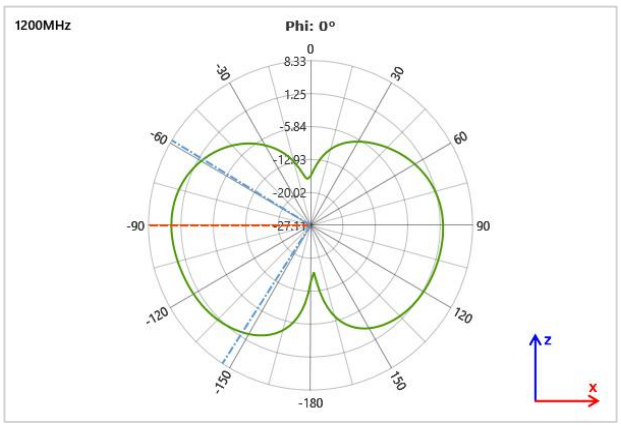
Horizontal Pattern at F=800MHz



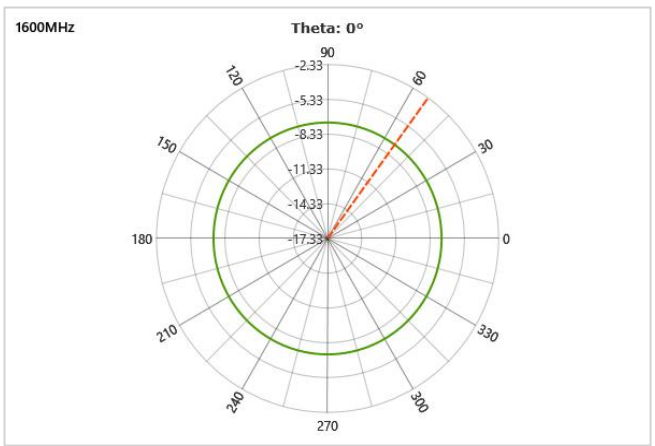
Vertical Pattern at F=800MHz



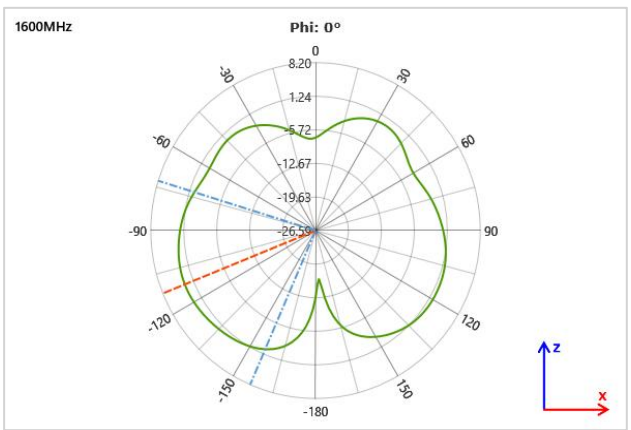
Horizontal Pattern at F=1200MHz



Vertical Pattern at F=1200MHz



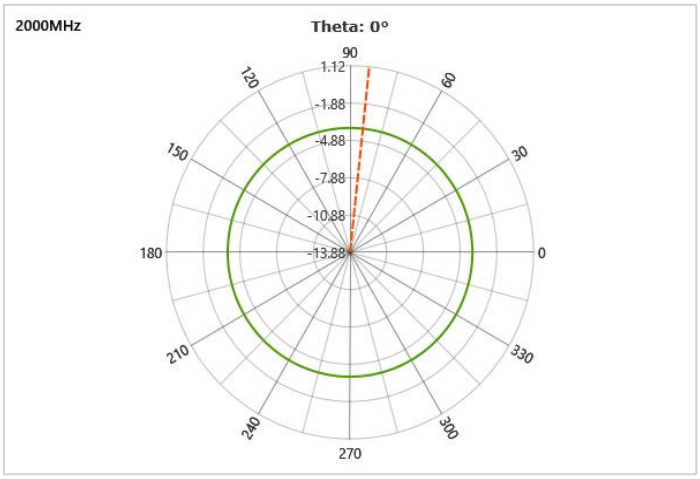
Horizontal Pattern at F=1600MHz



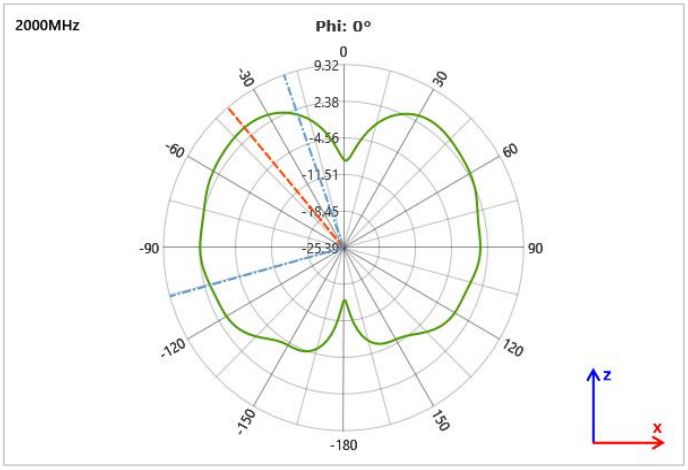
Vertical Pattern at F=1600MHz

Measured Patterns (800-2600MHz)

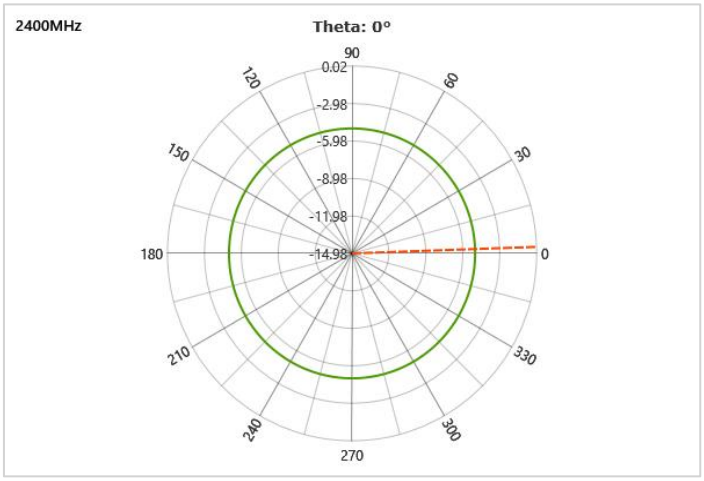
Horizontal & Vertical Pattern (2000/2400/2600MHz)



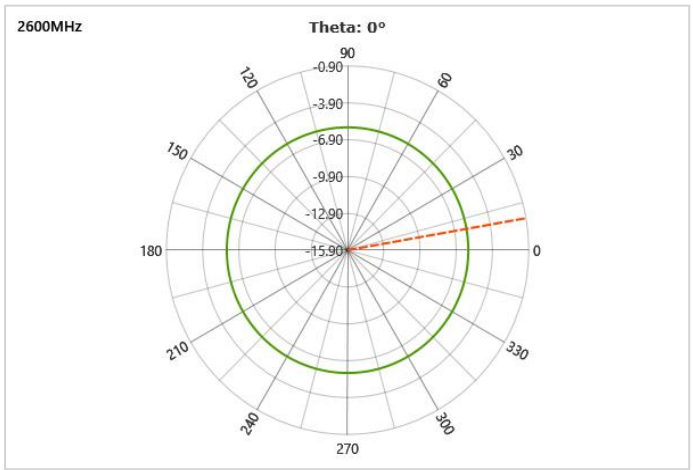
Horizontal Pattern at F=2000MHz



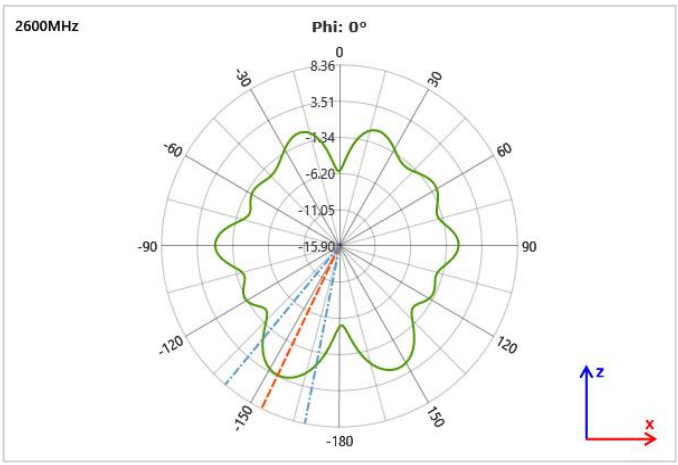
Vertical Pattern at F=2000MHz



Horizontal Pattern at F=2400MHz



Horizontal Pattern at F=2600MHz



Vertical Pattern at F=2600MHz