

CW-WZ-0151

902-928MHz External Antenna

Key Features

Frequency:902-928MHz

SMA Connector

Dimensions:46*16mm

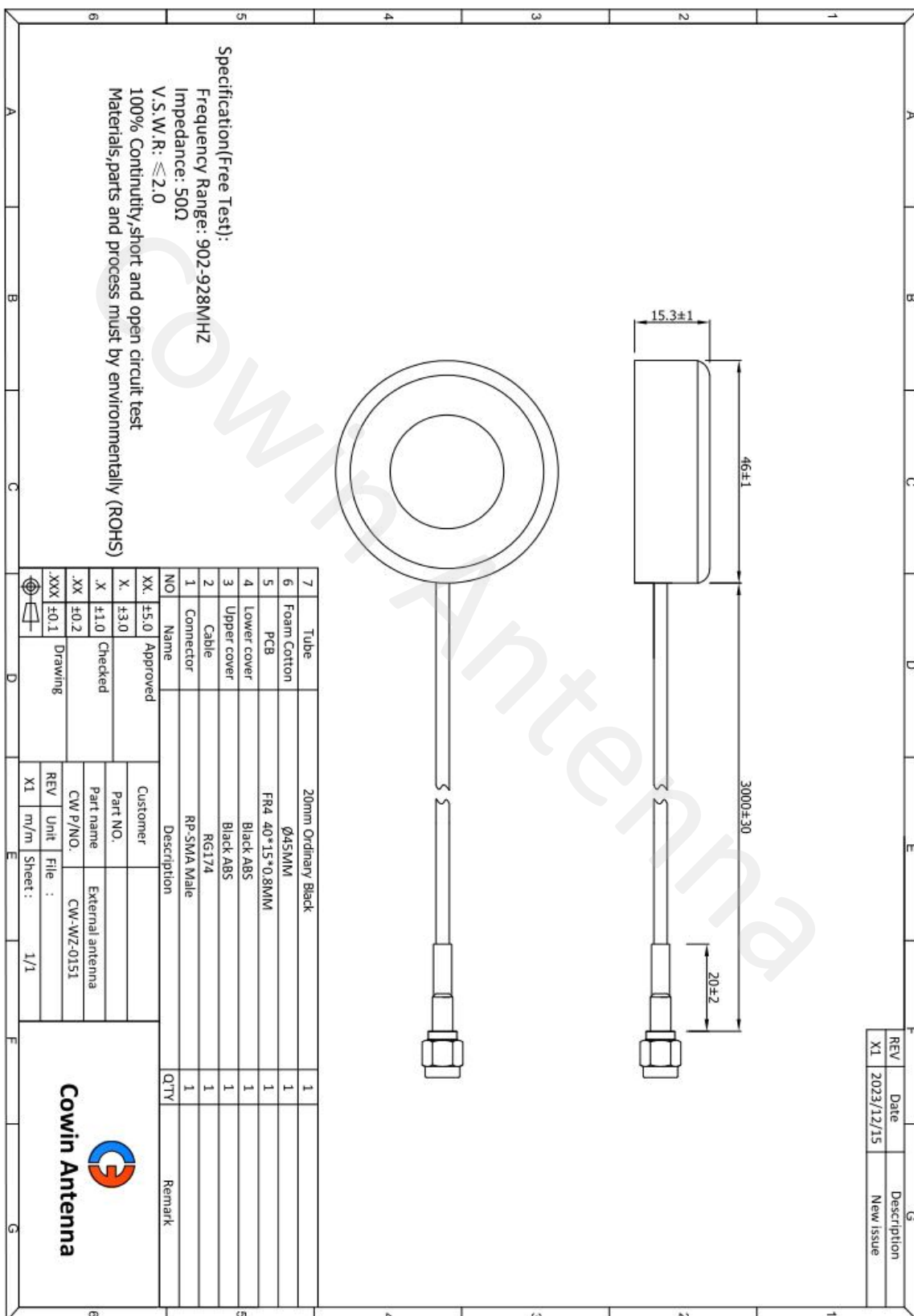


1. Antenna Electrical Characteristics

Band (MHz)	915MHz
Frequency (MHz)	902-928MHz
VSWR	≤2.0
Efficiency (%)	64.05%
Peak Gain (dBi)	2.02
Impedance (Ohm)	50
Polarisation	Vertical
Max. Input Power (W)	10
Connector Type	SMA

2. Material and environmental characteristics

External structure	ABS
Inner structure	PCB
Cable Type	RG174
Connector Type	SMA
Dimensions (mm)	46*16 MM
Antenna color	Black
Operation Temperature	-40 to +80
Storage Temperature	-40 to +80
Antenna Storage life(year)	10
Substance Compliance	ROHS



4. Antenna test parameters

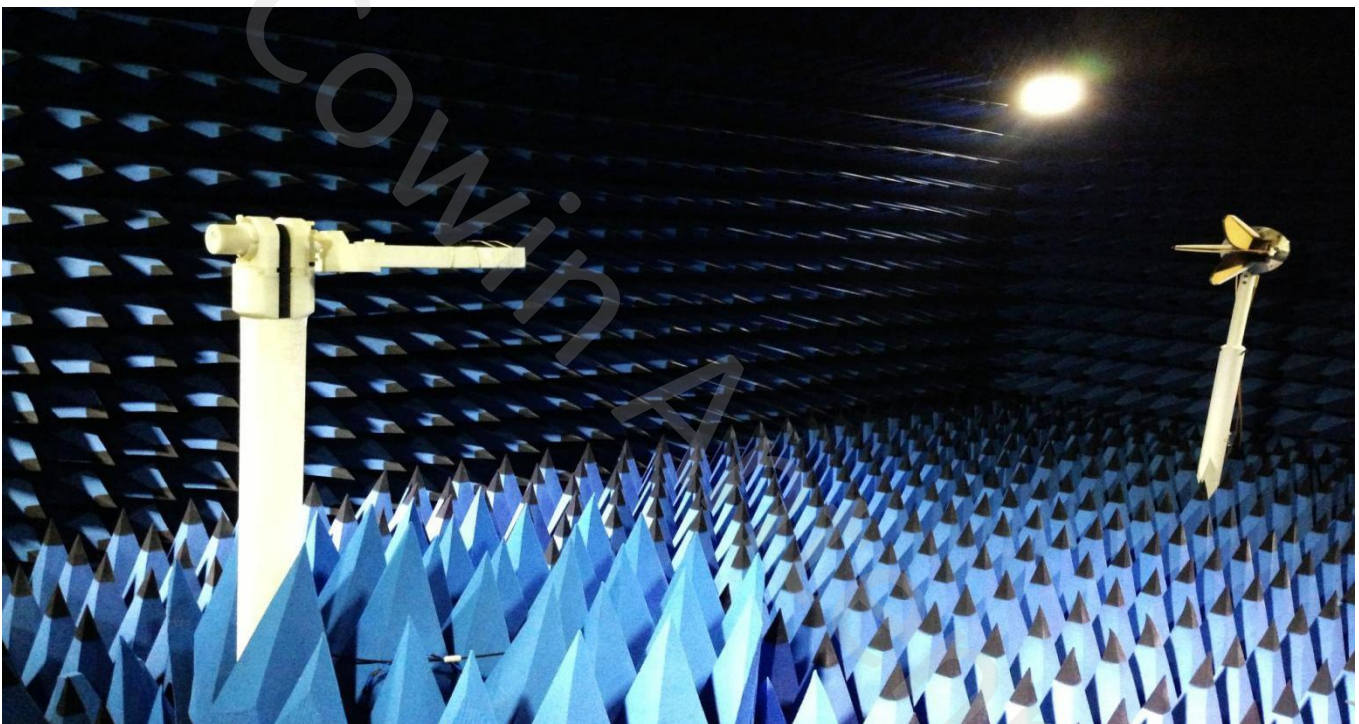
Antenna Measurement Conditions:

Mounted on Ground Plane of 280 x 80 mm

Measured in Certified 3D Anechoic Chamber

The network analyzer is Agilent 5071c

The comprehensive tester is Agilent cmv500

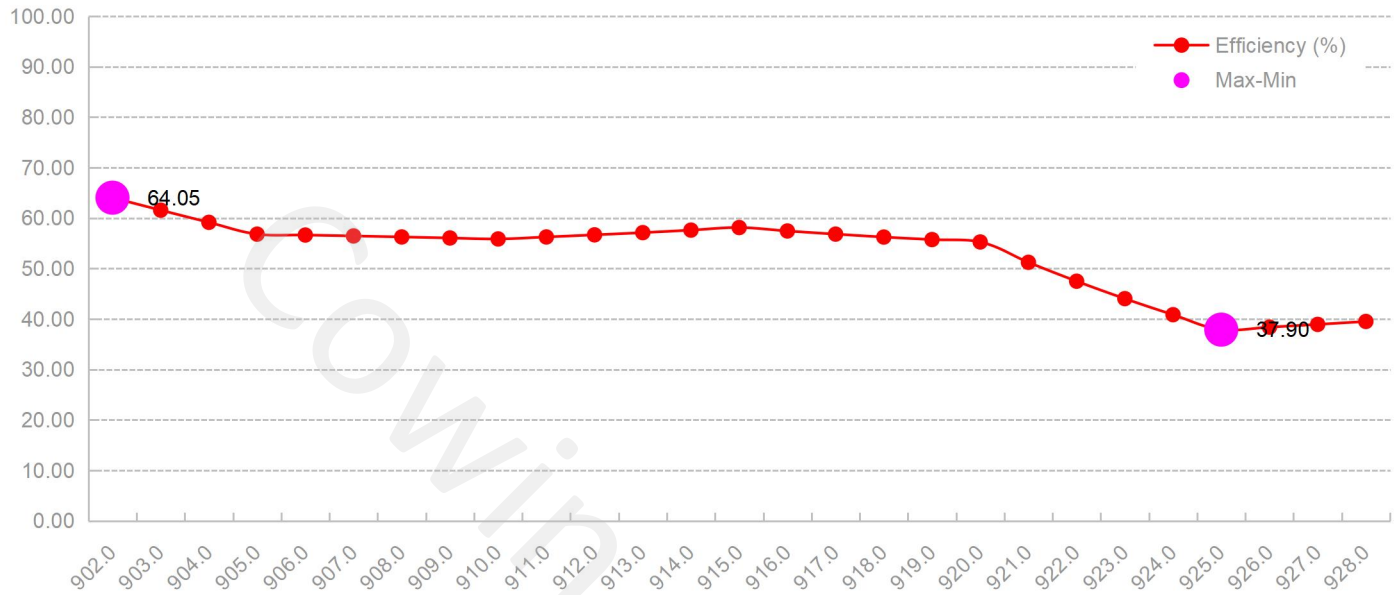


4.1 VSWR

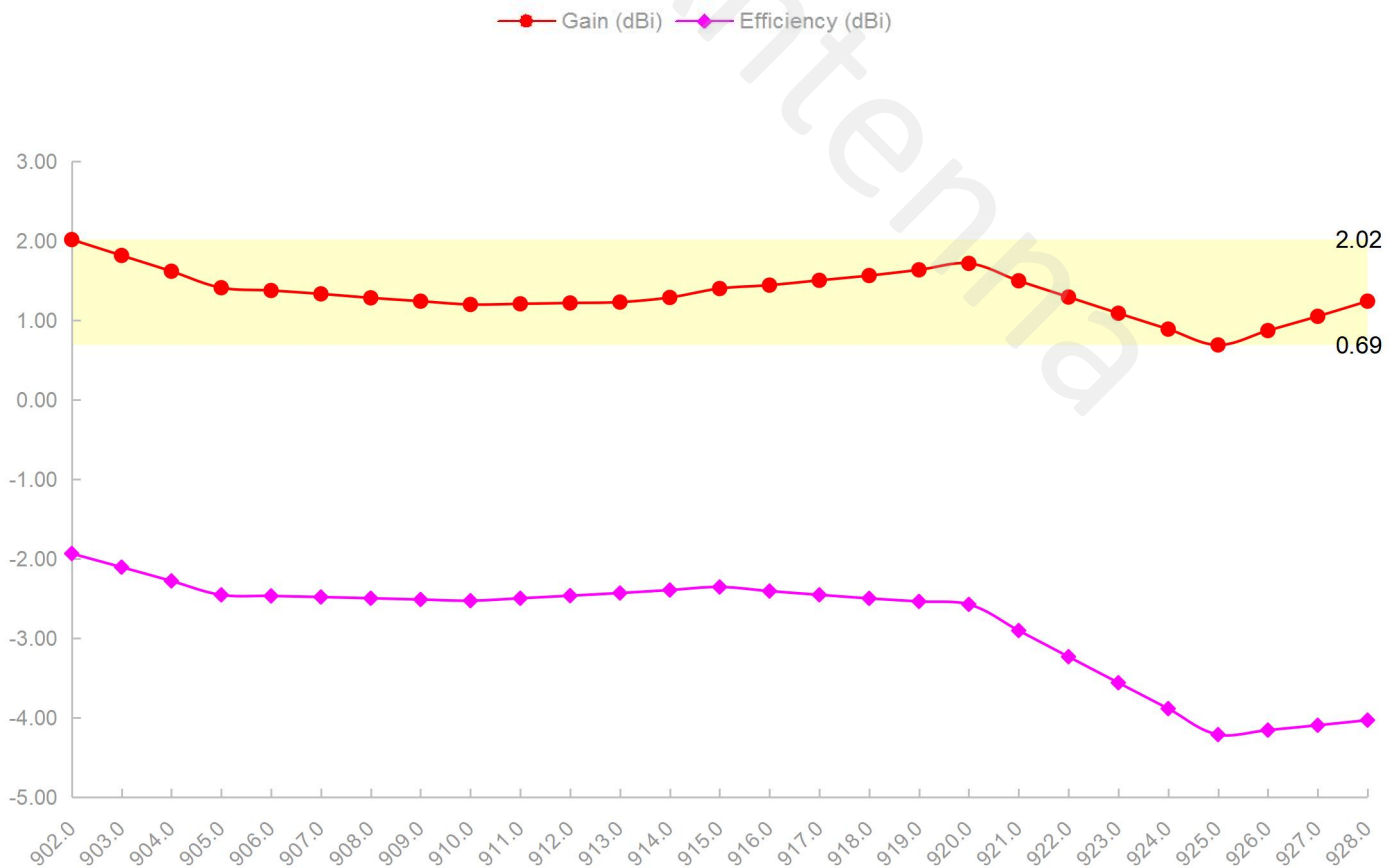


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4.2 Efficiency



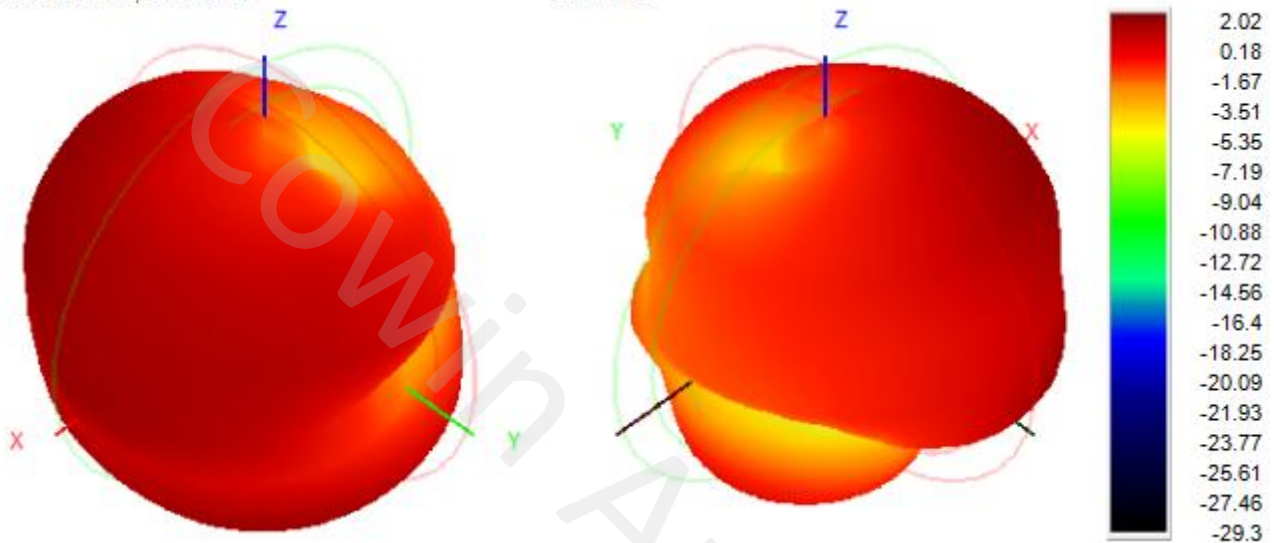
4.3 Peak gain



4.4 3D&2D Radiation Patterns

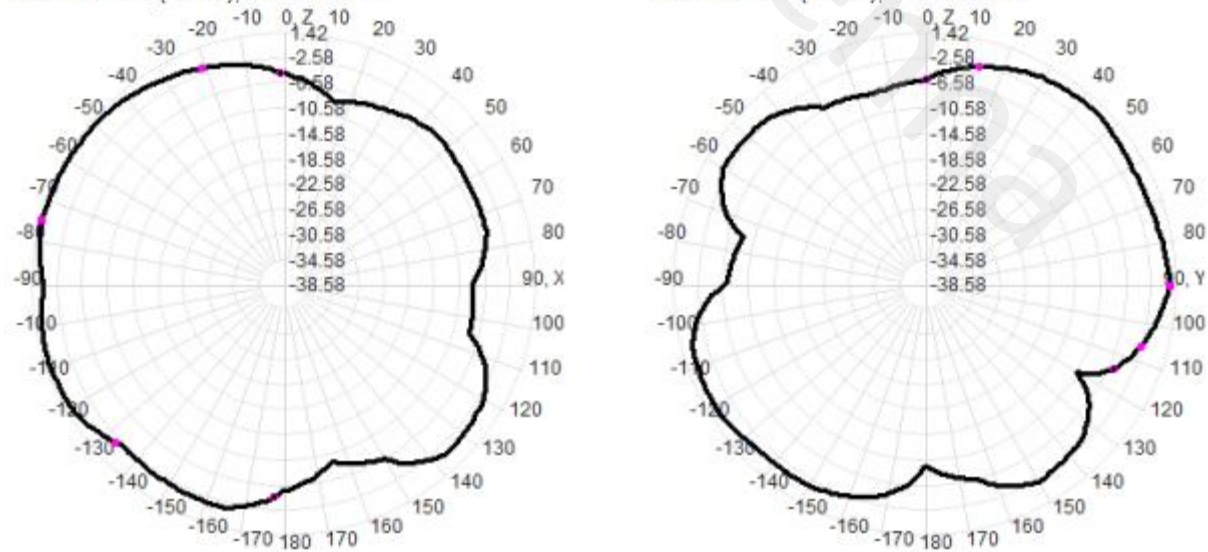
902.0MHz H+V, Eff: 64.1%

Back View



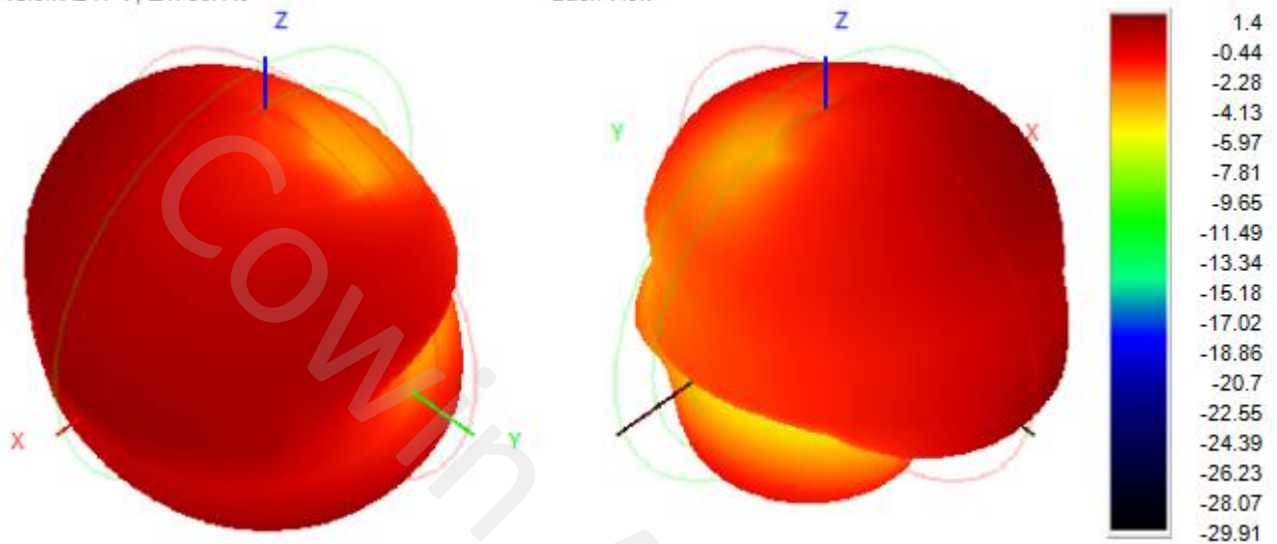
902.0MHz Total(E1-XZ), Max= 1.20dBi

902.0MHz Total(E2-YZ), Max= 0.11dBi



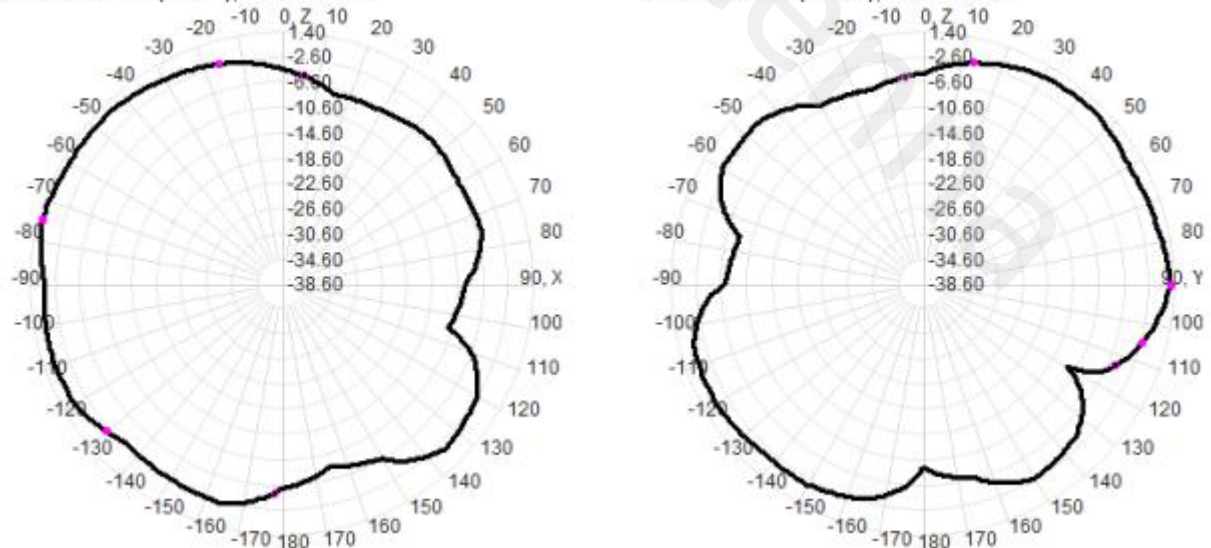
915.0MHz H+V, Eff: 58.1%

Back View

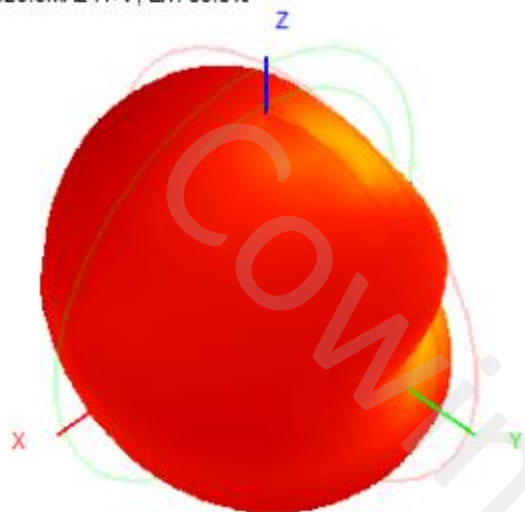


915.0MHz Total(E1-XZ), Max= 0.71dBi

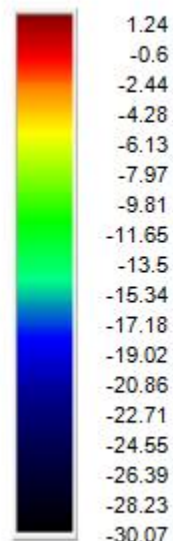
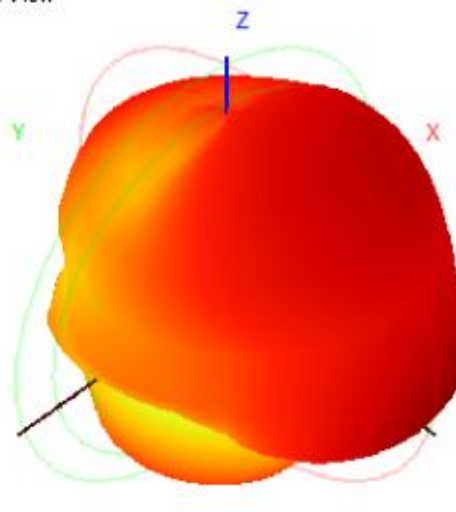
915.0MHz Total(E2-YZ), Max= 0.48dBi



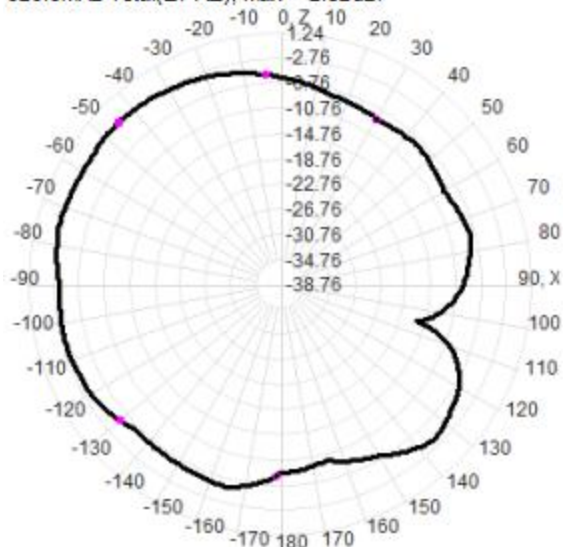
928.0MHz H+V, Eff: 39.5%



Back View



928.0MHz Total(E1-XZ), Max=-2.32dBi



928.0MHz Total(E2-YZ), Max=0.54dBi

