

CW-NZ-0116

2.4G FPC Antenna

Key Features

Frequency:2.4-2.5G

I-PEX Connector

1.13 Cable

Dimensions 42*12*0.1mm

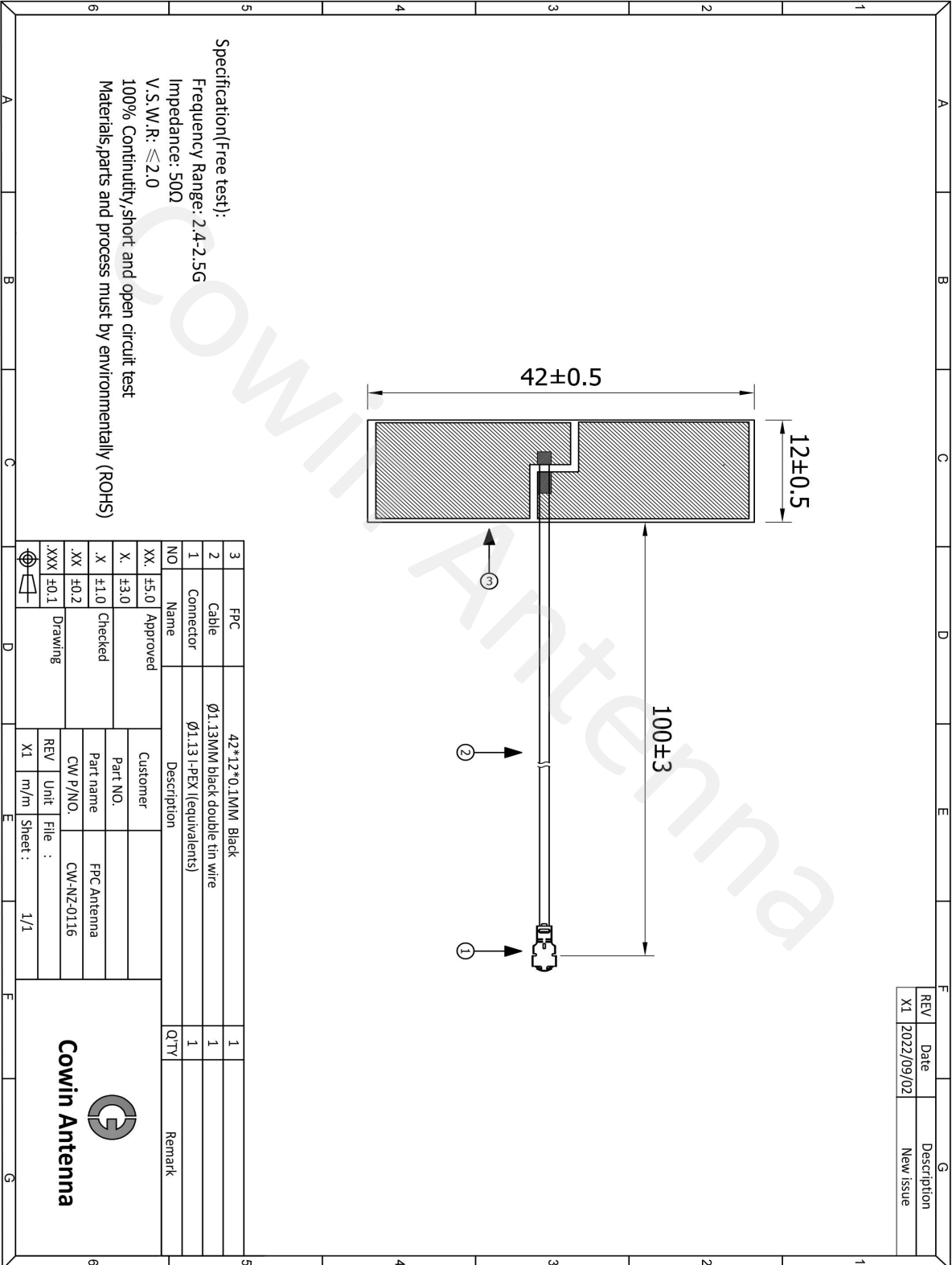


1. Antenna Electrical Characteristics

Band (MHz)	
Frequency (MHz)	2.4-2.5G
VSWR	≤2.0
Efficiency (%)	71.04%
Peak Gain (dBi)	3.12
Impedance (Ohm)	50
Polarisation	Vertical
Max. Input Power (W)	10
Connector Type	I-PEX

2. Material and environmental characteristics

External structure	N/A
Inner structure	Connector/Cable/FPC
Cable Type	RF1.13
Connector Type	I-PEX
Dimensions (mm)	42*12*0.1MM
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

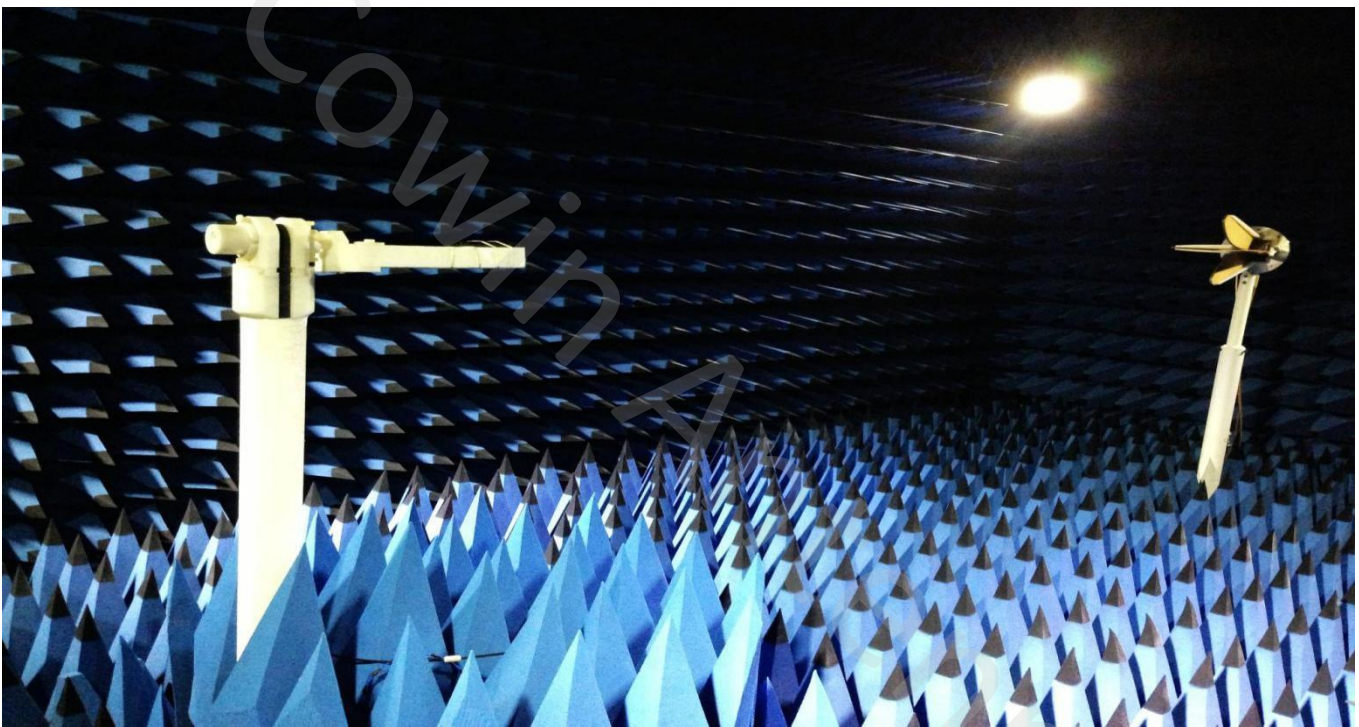
Antenna Measurement Conditions:

Mounted on Ground Plane of 280 x 80 mm

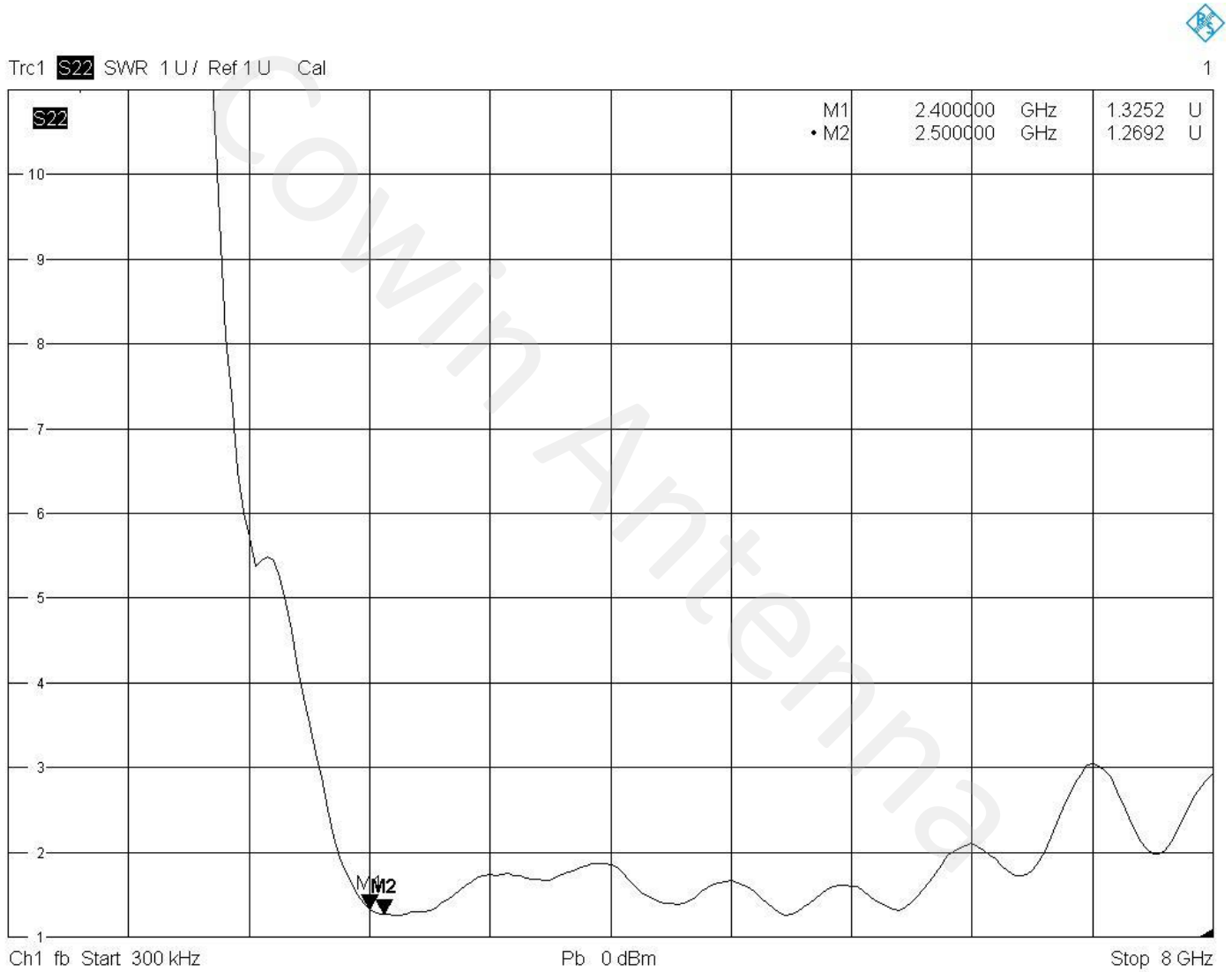
Measured in Certified 3D Anechoic Chamber

The network analyzer is Agilent 5071c

The comprehensive tester is Agilent cmv500

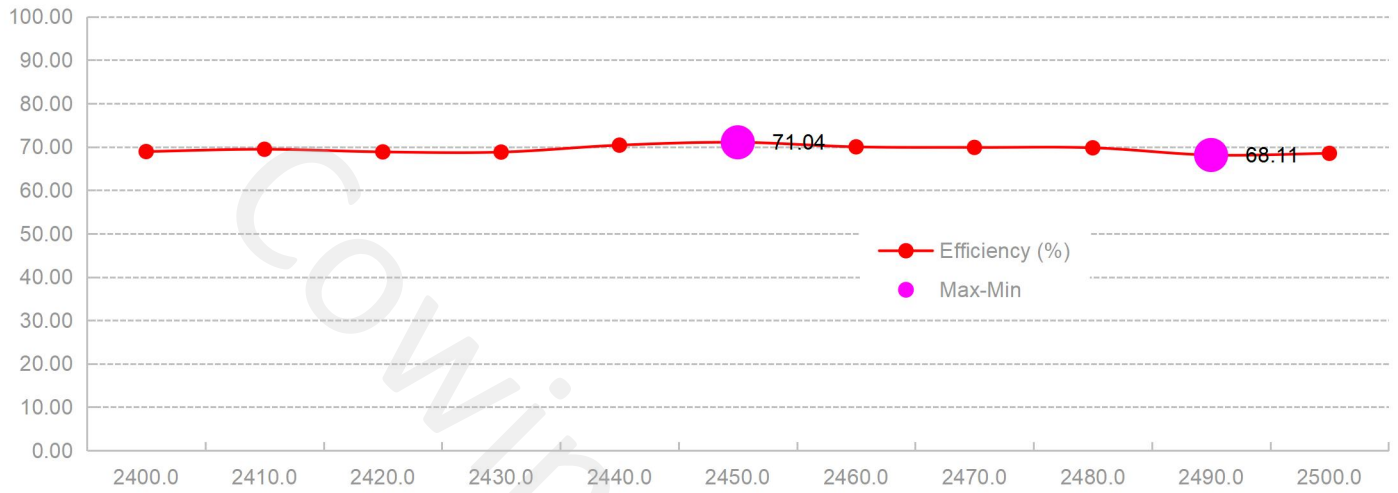


4.1 VSWR

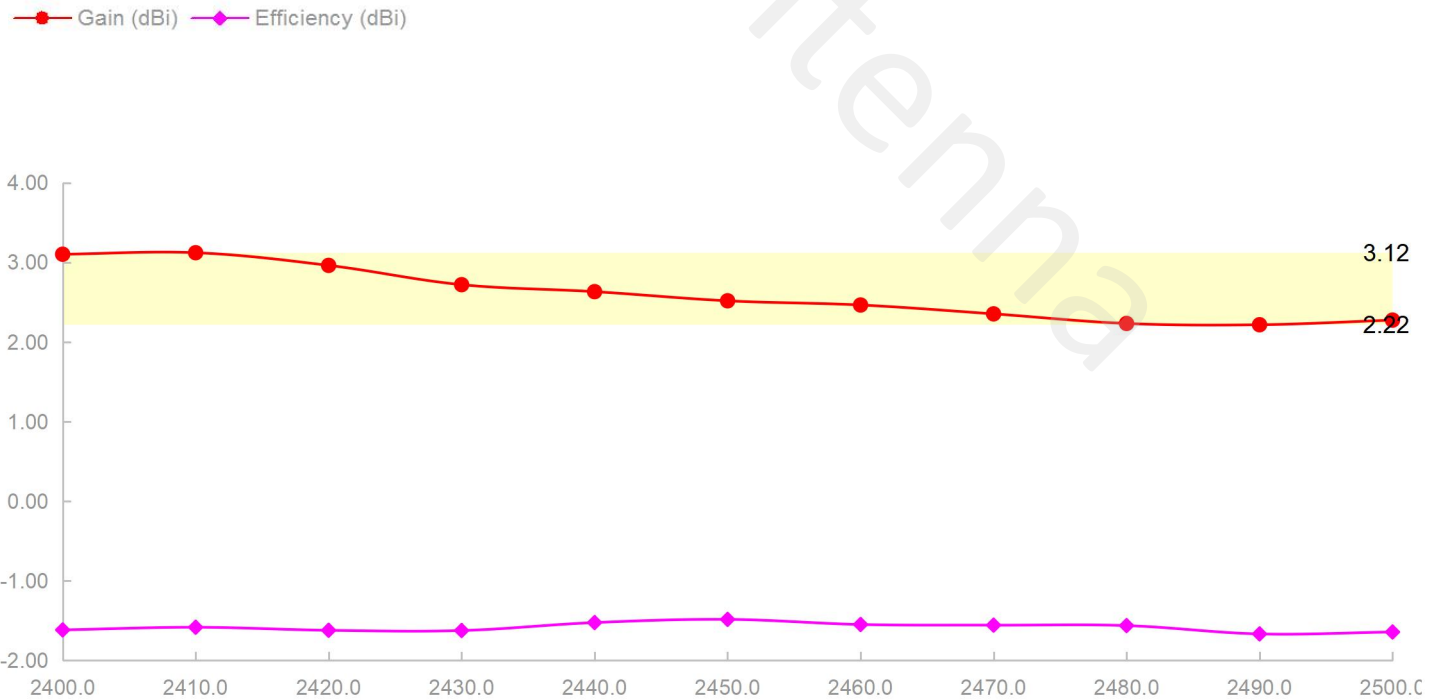


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4.2 Efficiency

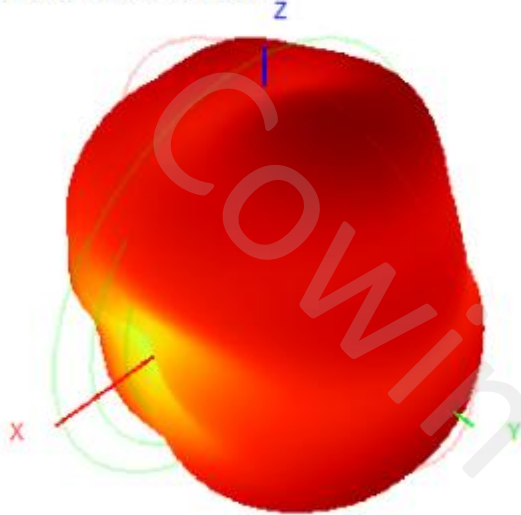


4.3 Peak gain

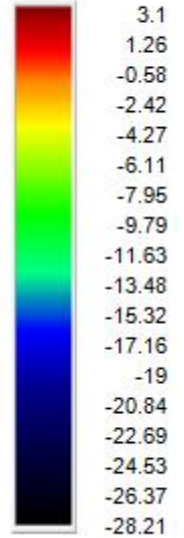
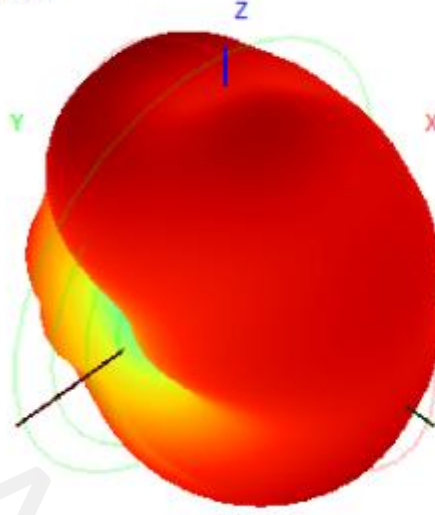


4.4 3D&2D Radiation Patterns

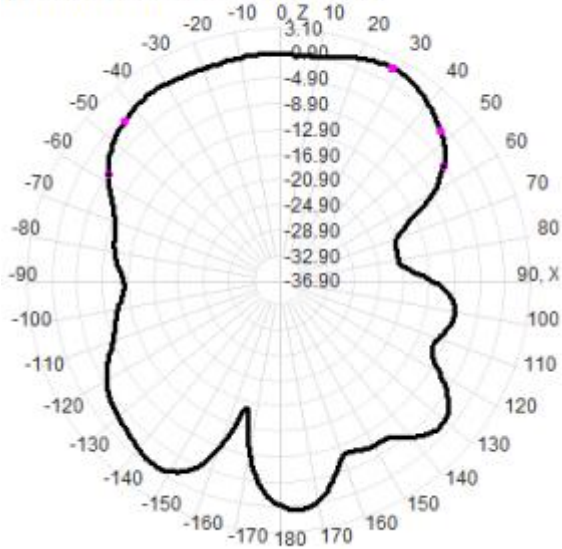
2400.0MHz H+V, Eff: 68.9%



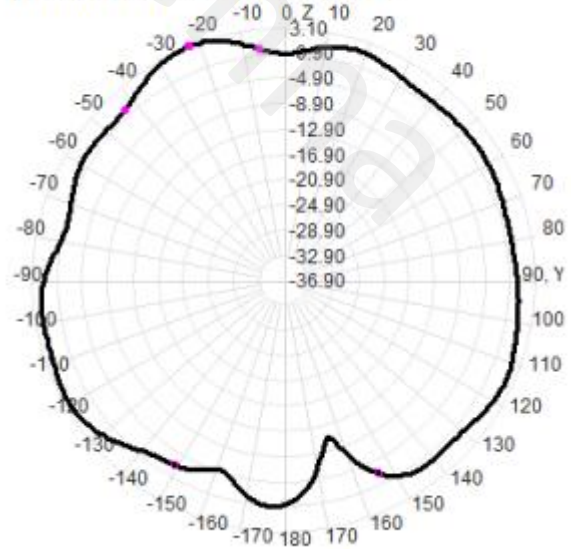
Back View



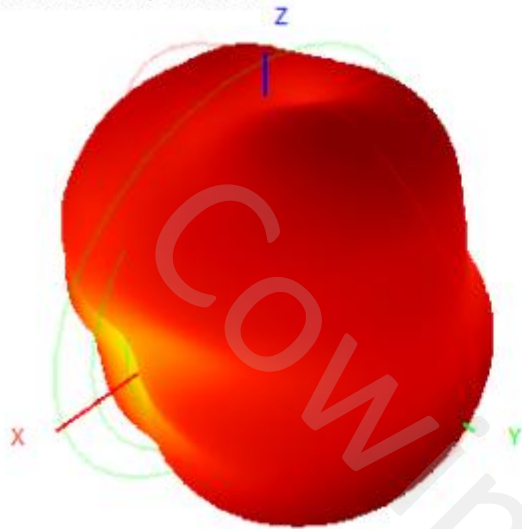
2400.0MHz Total(E1-XZ), Max= 1.29dBi



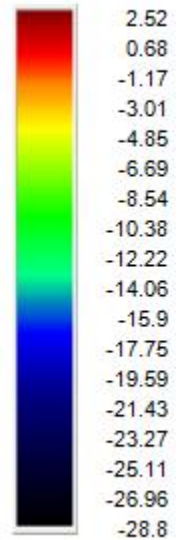
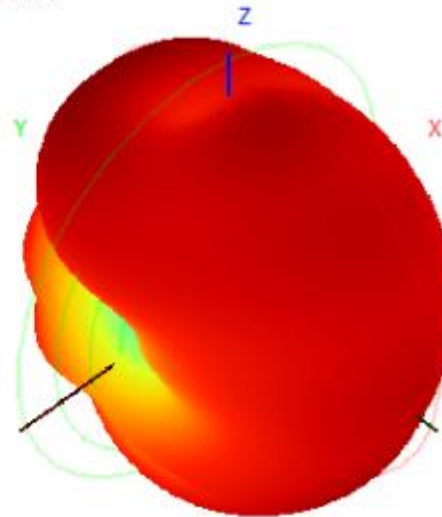
2400.0MHz Total(E2-YZ), Max= 3.10dBi



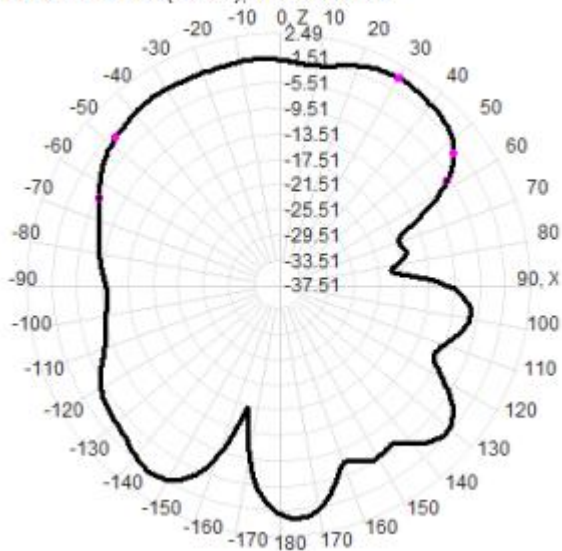
2450.0MHz H+V, Eff: 71.0%



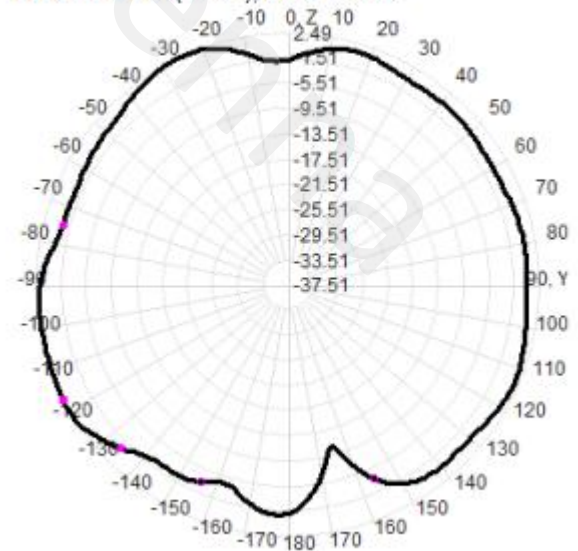
Back View



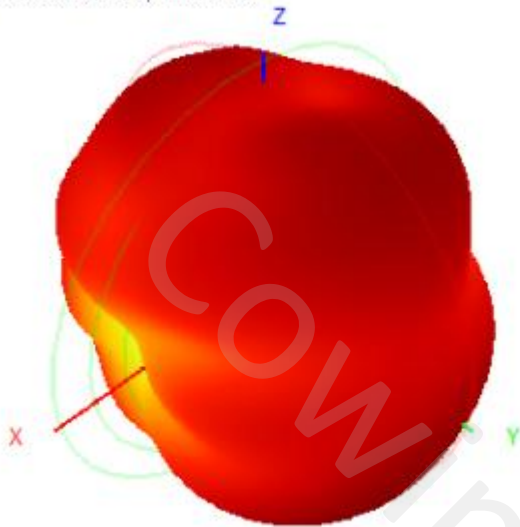
2450.0MHz Total(E1-XZ), Max= 0.37dBi



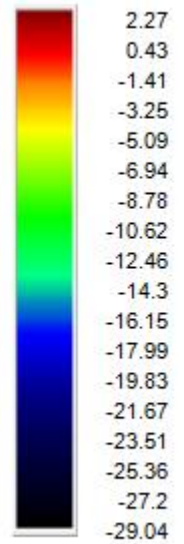
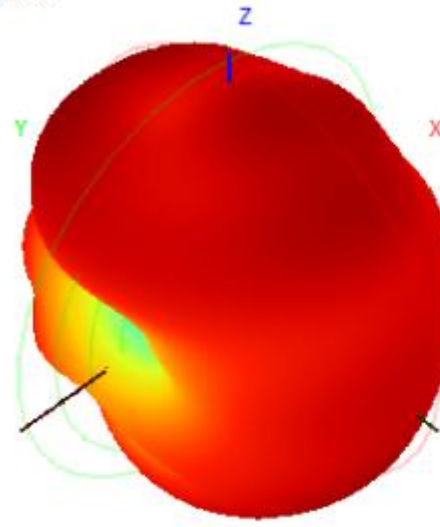
2450.0MHz Total(E2-YZ), Max= 2.49dBi



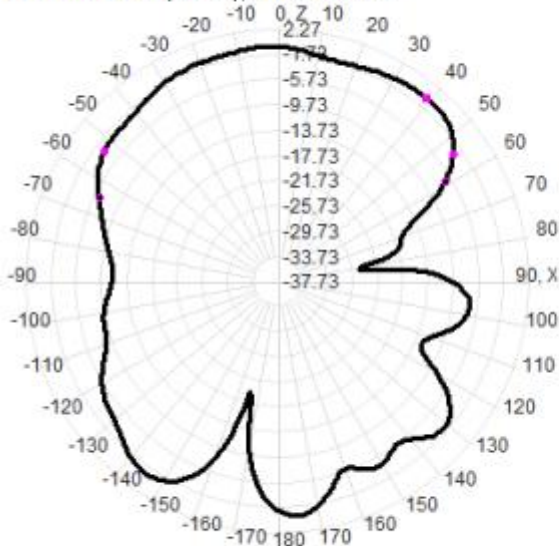
2500.0MHz H+V, Eff: 68.5%



Back View



2500.0MHz Total(E1-XZ), Max=-0.30dBi



2500.0MHz Total(E2-YZ), Max= 2.27dBi

