

CW-NZ-0108

2.4G FPC Antenna

Key Features

Frequency:2.4-2.5G

I-PEX Connector

RF0.81 Cable

3M Adhesive

Dimensions 45*10mm

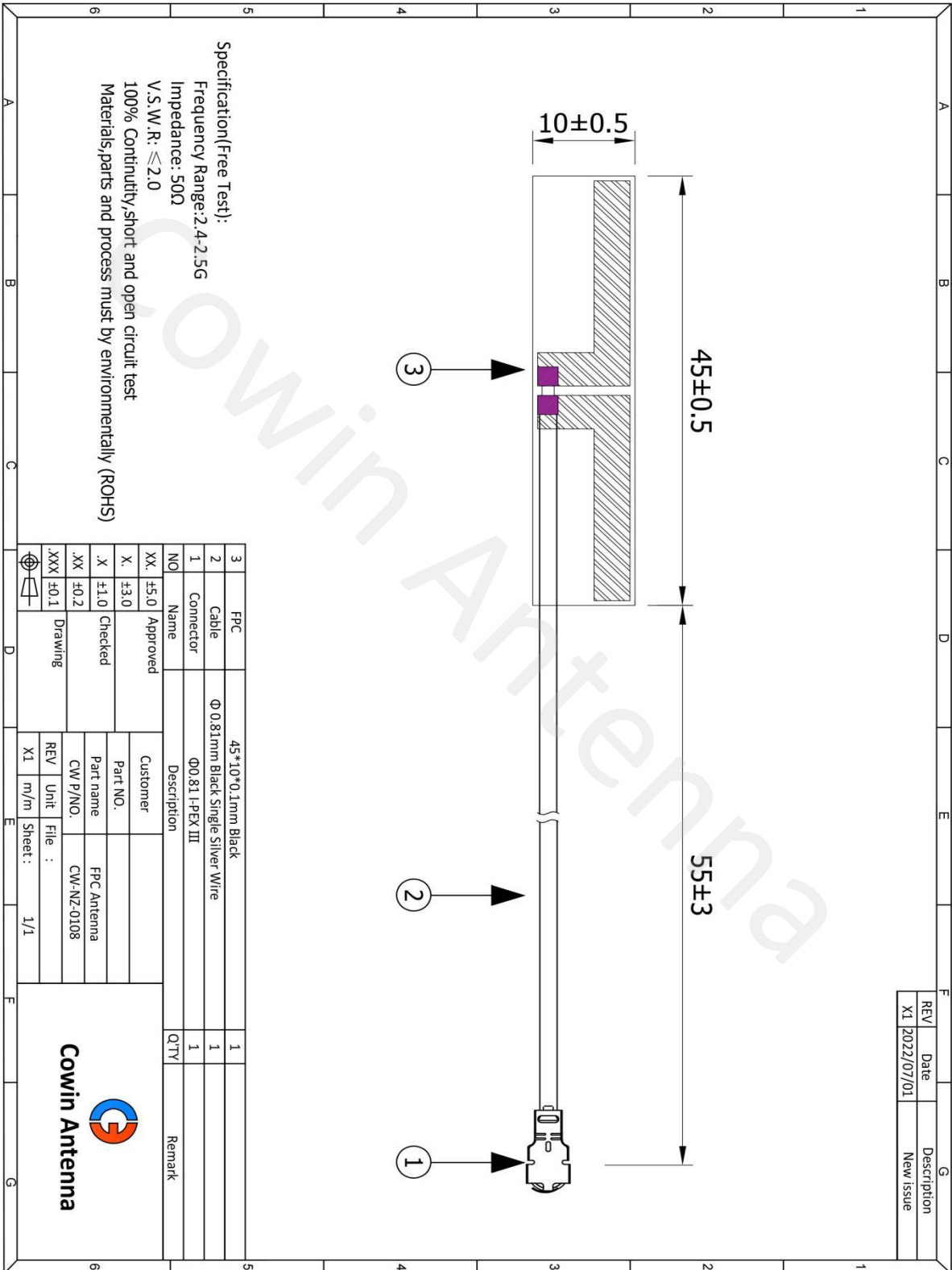


1. Antenna Electrical Characteristics

Band (MHz)	
Frequency (MHz)	2.4-2.5G
VSWR	2.0
Efficiency (%)	66.53%
Peak Gain (dBi)	3.56
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	RF0.81
Connector Type	I-PEX
Dimensions (mm)	45*10MM
Antenna color	N/A
Operation Temperature	-40 to +80
Storage Temperature	-40 to +80
Antenna Storage life(year)	10
Substance Compliance	ROHS



4. Antenna test parameters

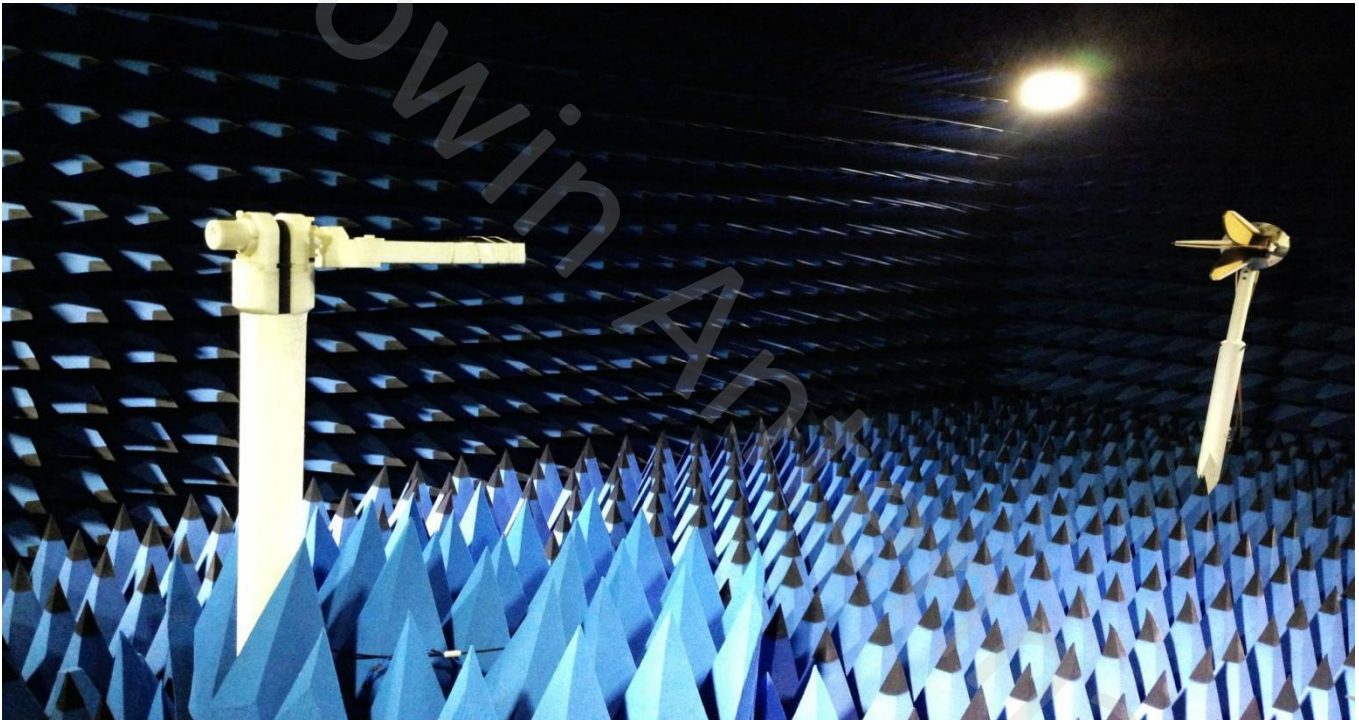
Antenna Measurement Conditions:

Mounted on Ground Plane of 280 x 80 mm

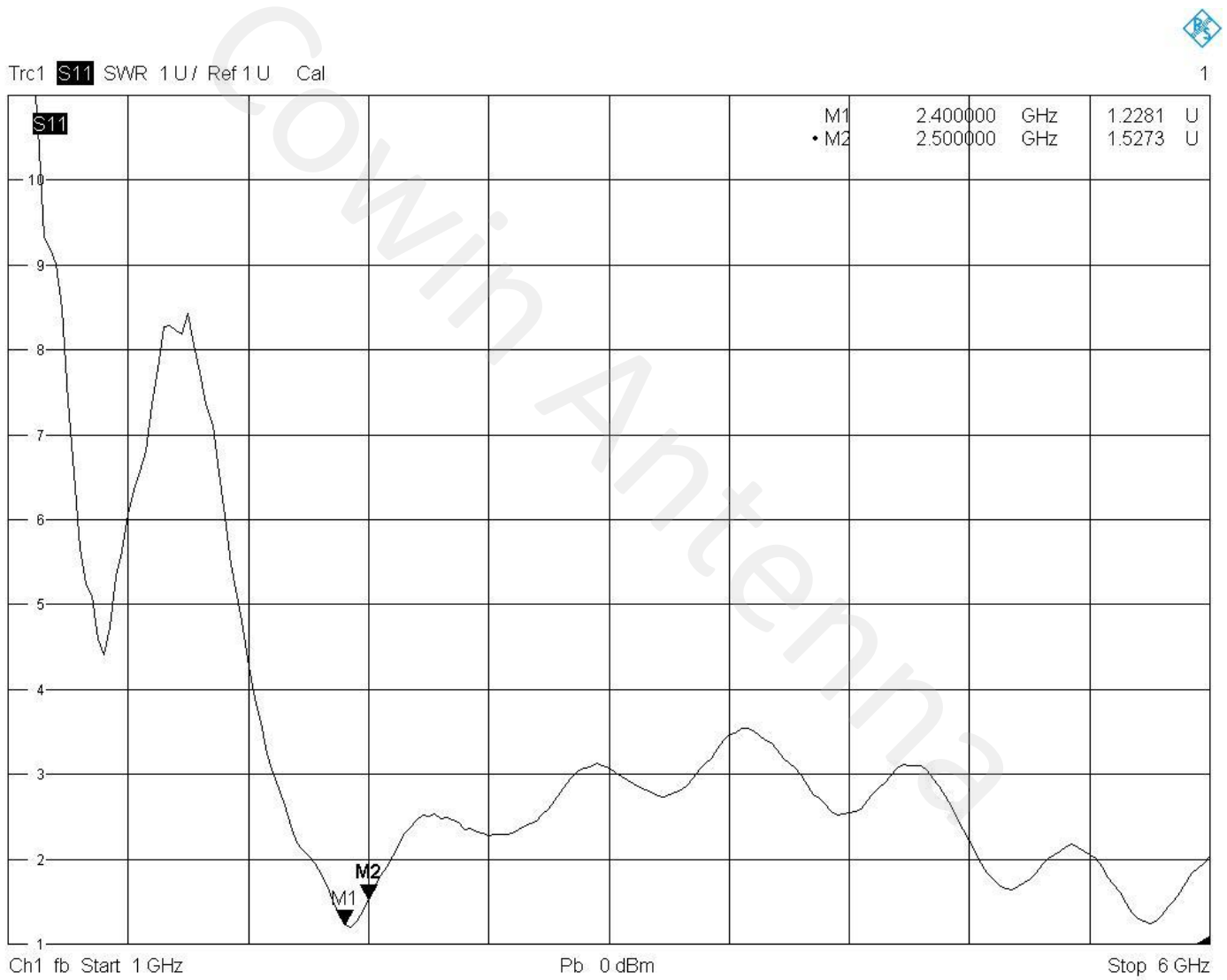
Measured in Certified 3D Anechoic Chamber

The network analyzer is Agilent 5071c

The comprehensive tester is Agilent cmv500

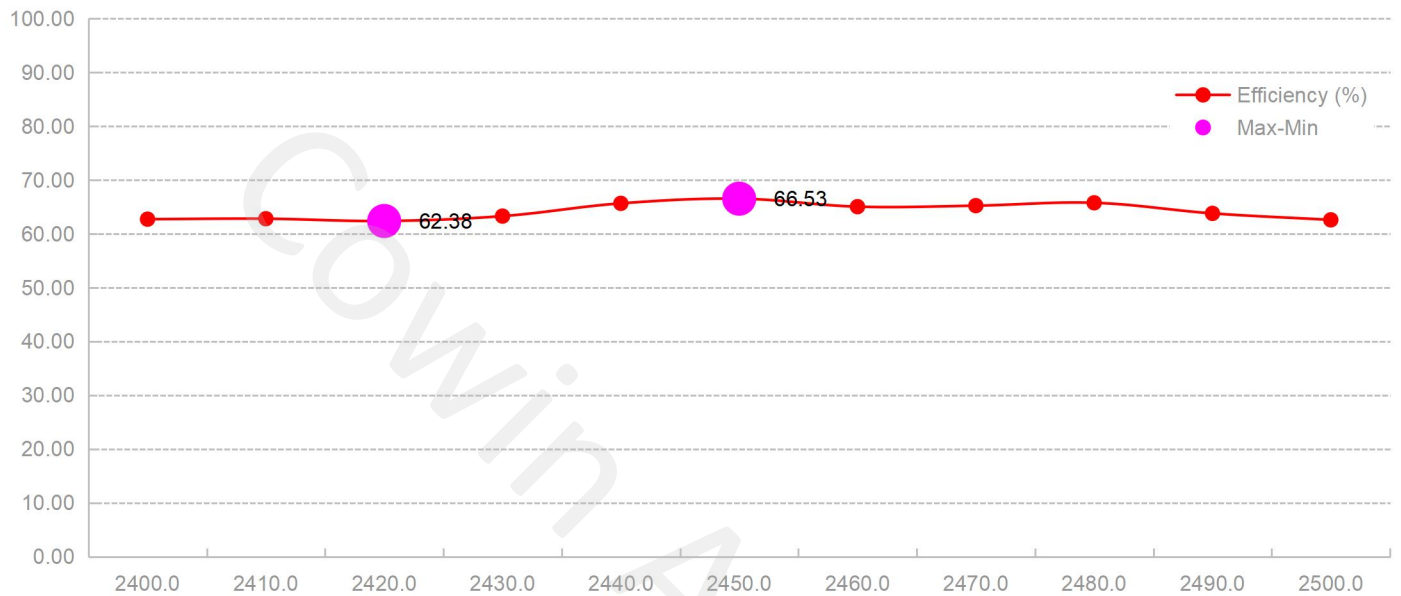


4.1 VSWR

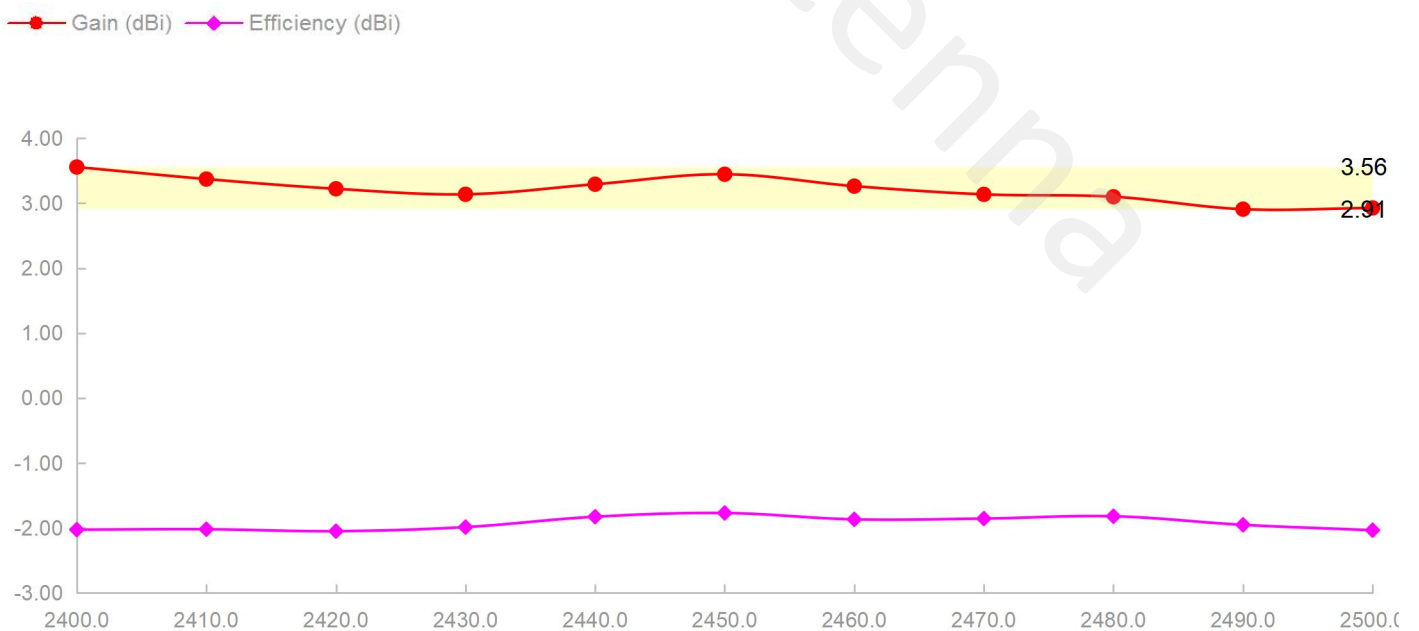


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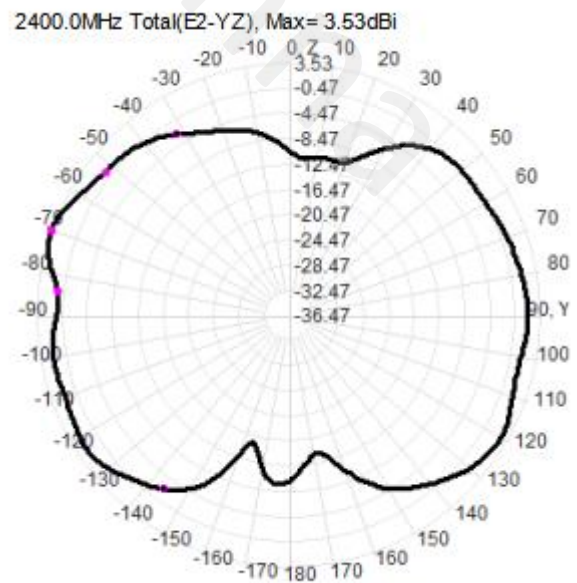
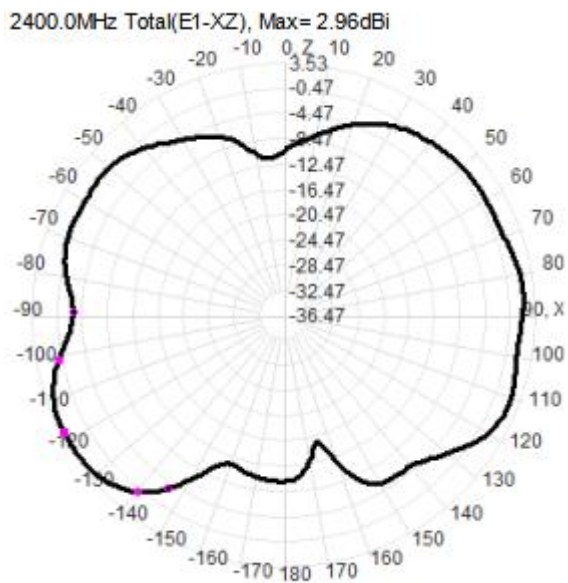
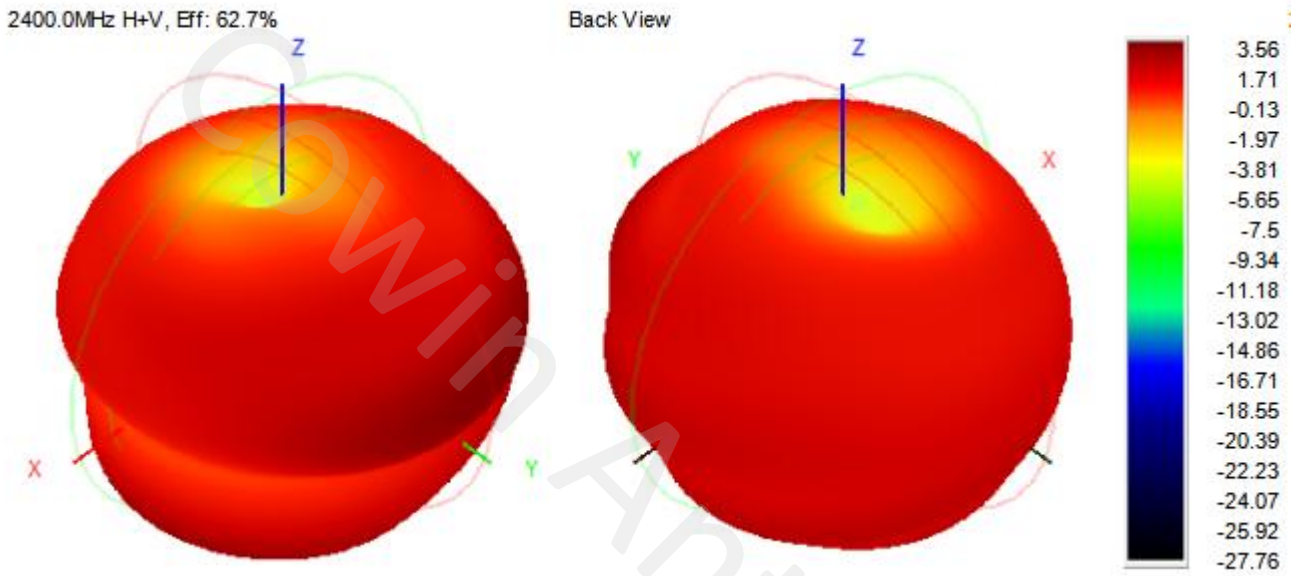
4.2 Efficiency



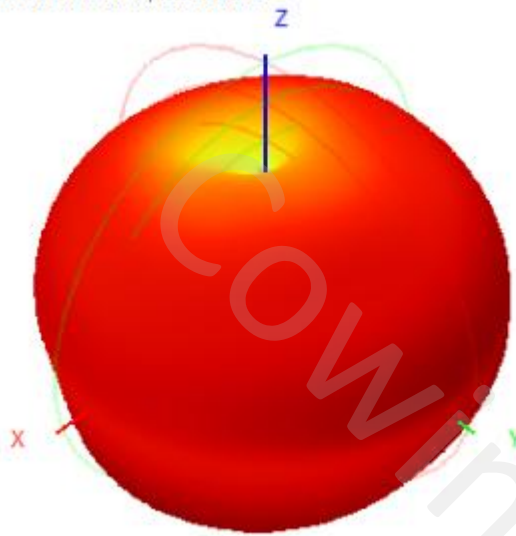
4.3 Peak gain



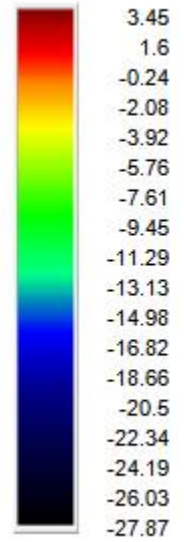
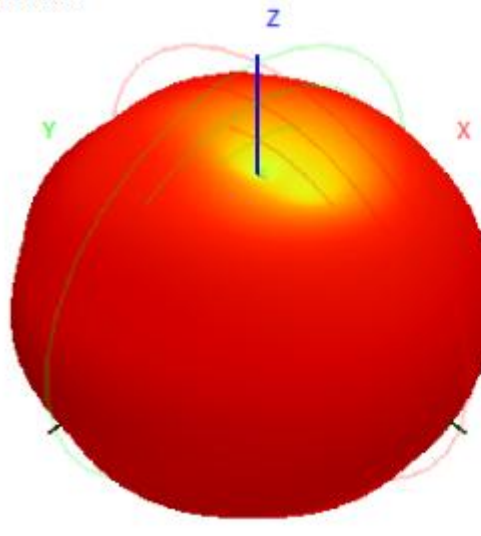
4.4 3D&2D Radiation Patterns



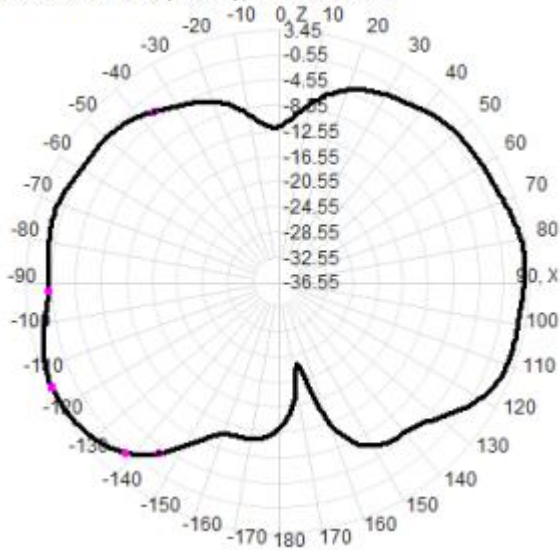
2450.0MHz H+V, Eff: 66.5%



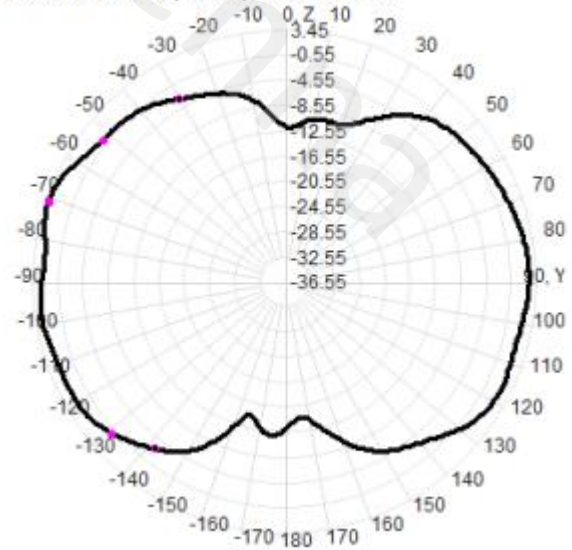
Back View



2450.0MHz Total(E1-XZ), Max= 2.92dBi

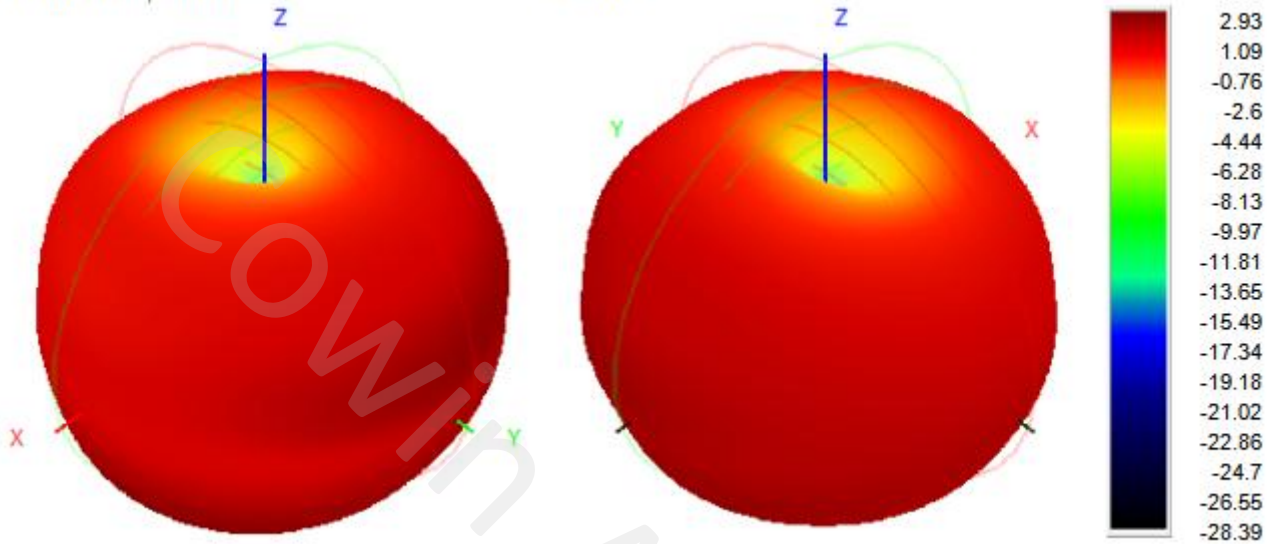


2450.0MHz Total(E2-YZ), Max= 3.04dBi



2500.0MHz H+V, Eff: 62.6%

Back View



2500.0MHz Total(E1-XZ), Max= 2.83dBi

2500.0MHz Total(E2-YZ), Max= 2.31dBi

