

## CW-WZ-0026

### 2.4G External Antenna

#### Key Features

Frequency: 2.4G-2.5G

SMA Male Connector

External Rubber

Dimensions 28\*10mm

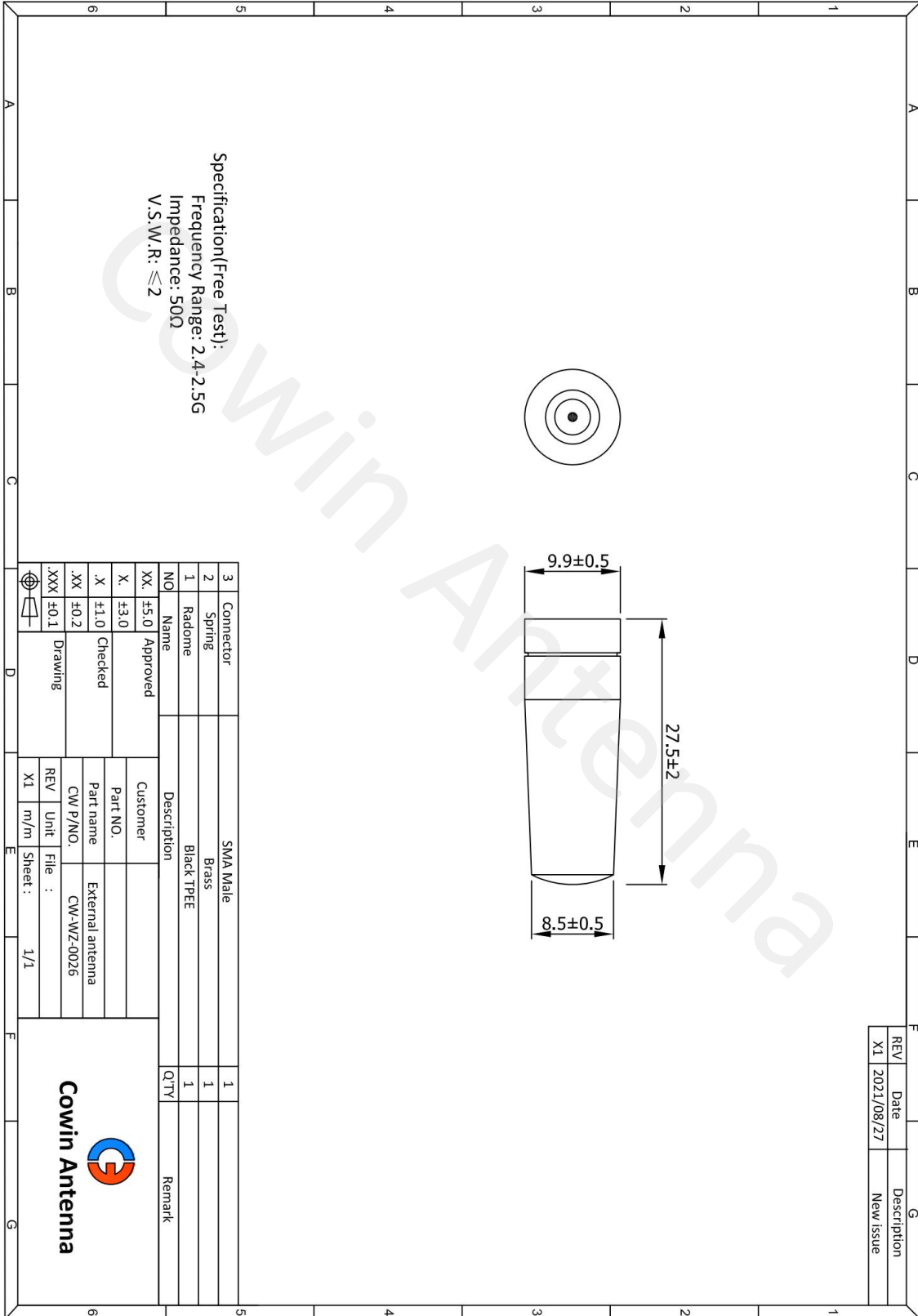


## 1. Antenna Electrical Characteristics

Band (MHz)	
Frequency (MHz)	2.4G-2.5G
VSWR	2:1
Efficiency (%)	50.72%
Peak Gain (dBi)	3.89
Impedance (Ohm)	50
Polarisation	Vertical
Max. Input Power (W)	10
Connector Type	SMA male

## 2. Material and environmental characteristics

Material of PCB	N/A
Material of Plastic	TPEE
Cable Type	N/A
Connector Type	SMA male
Dimensions (mm)	28*10MM
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

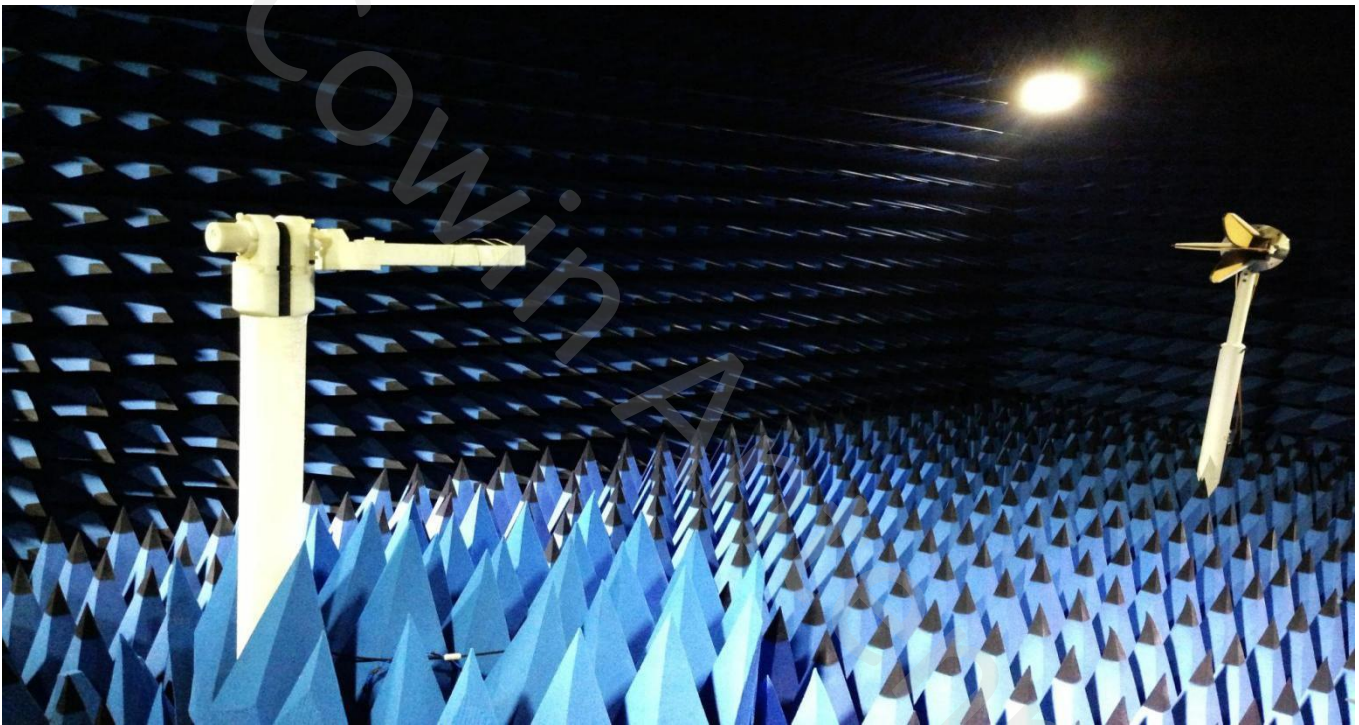
### Antenna Measurement Conditions:

Mounted on Ground Plane of 280 x 80 mm

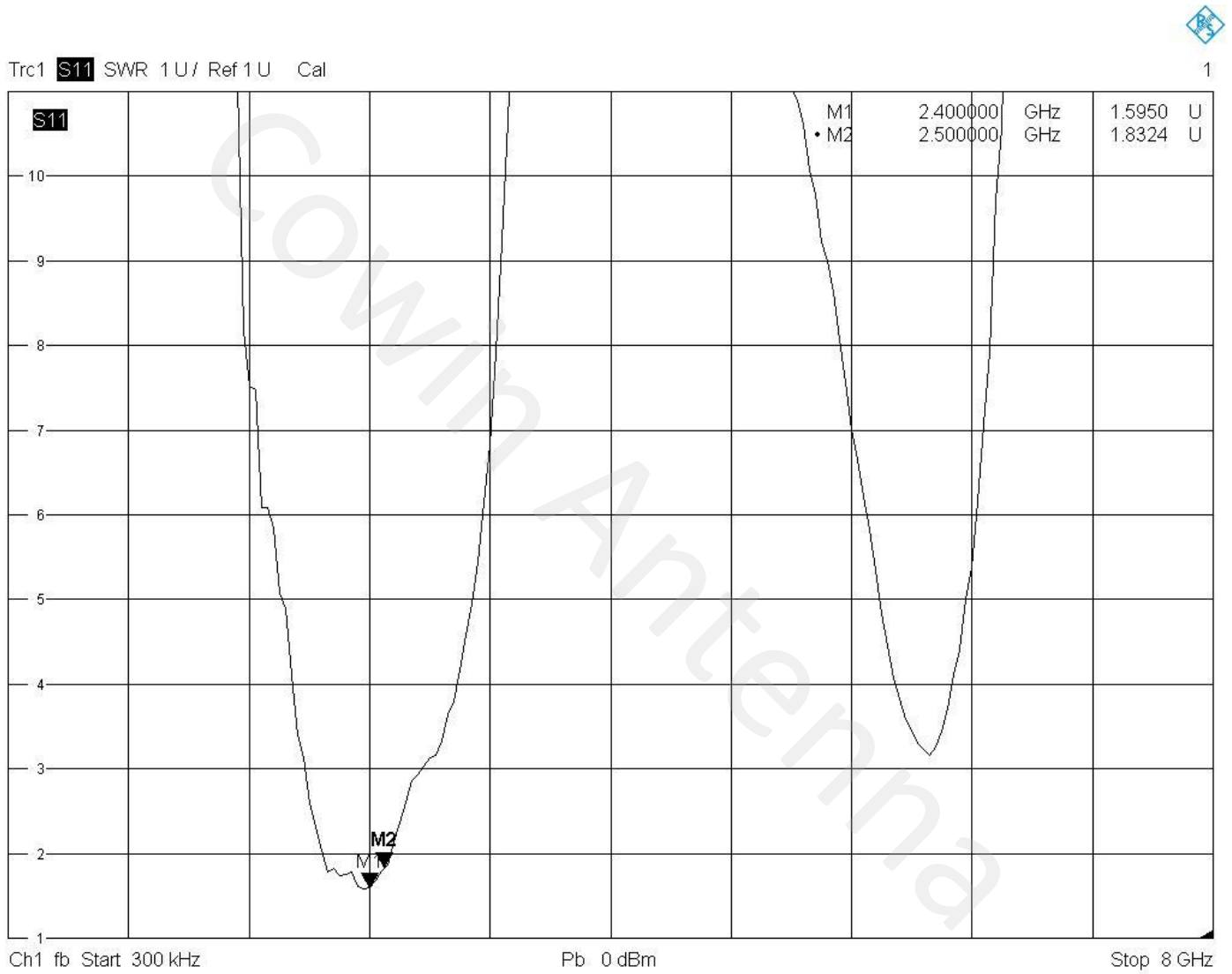
Measured in Certified 3D Anechoic Chamber

The network analyzer is Agilent 5071c

The comprehensive tester is Agilent cmv500

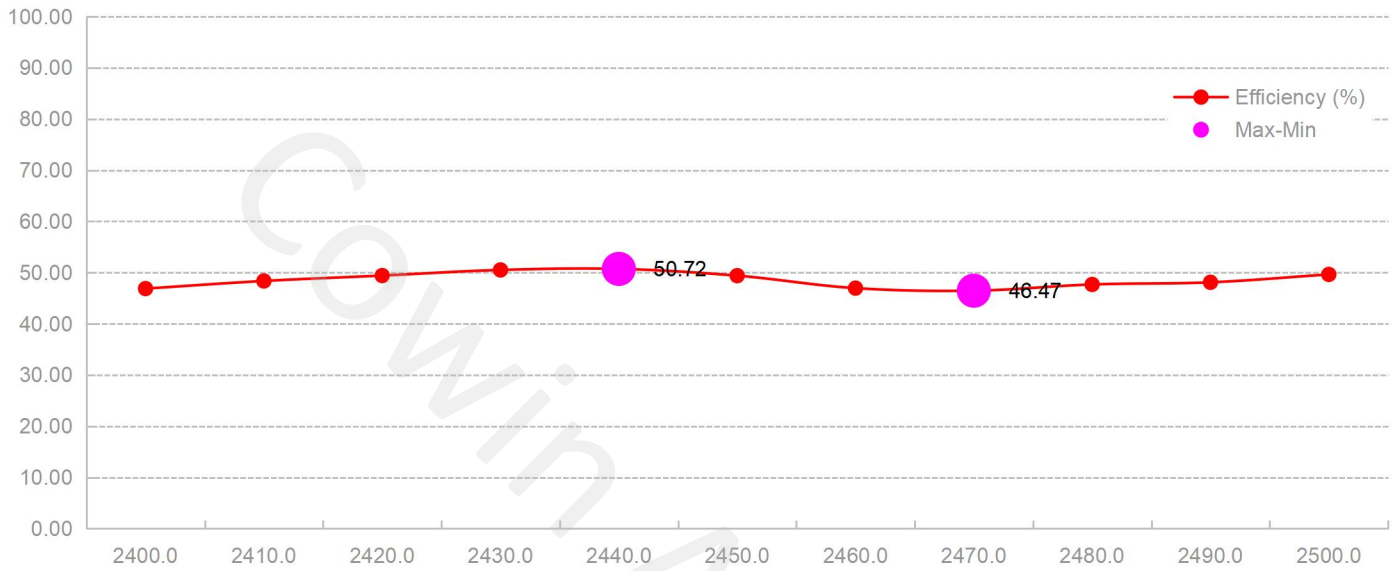


## 4.1 VSWR

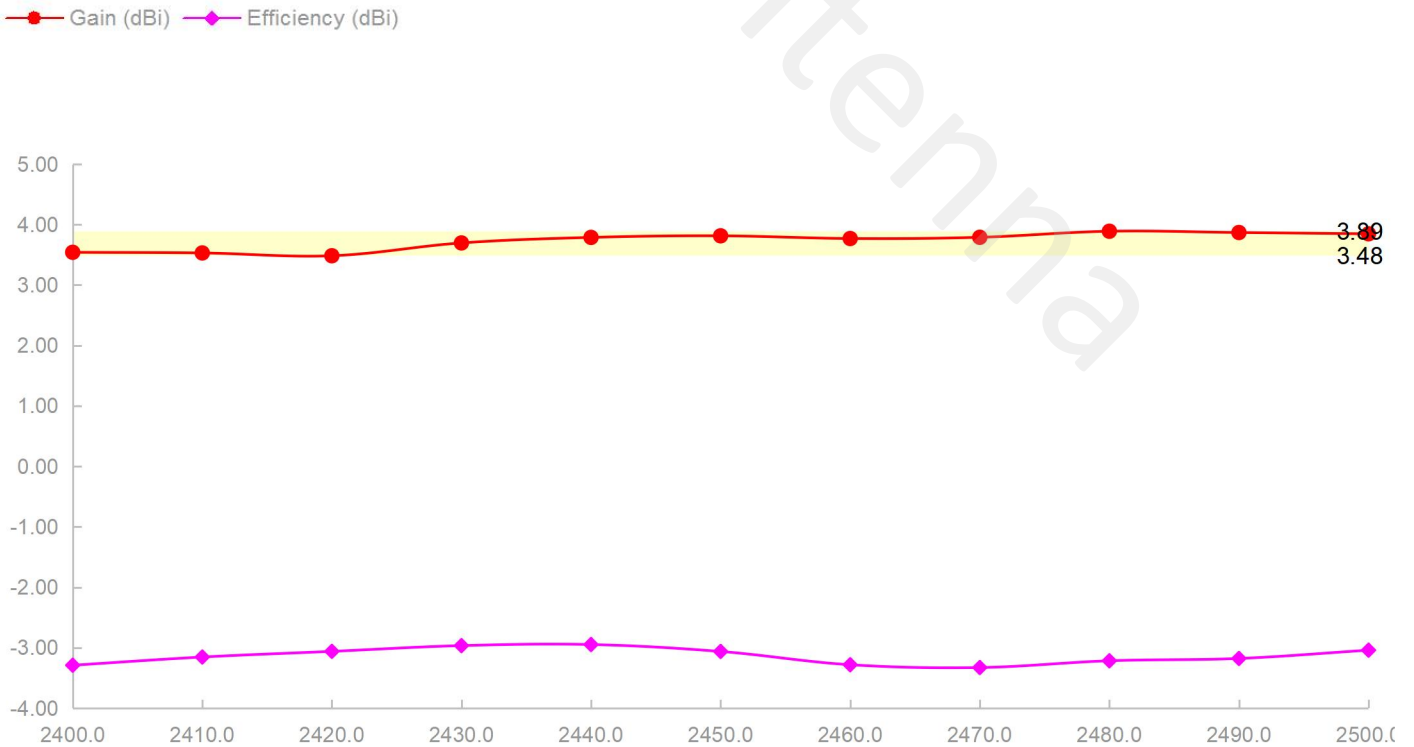


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## 4.2 Efficiency

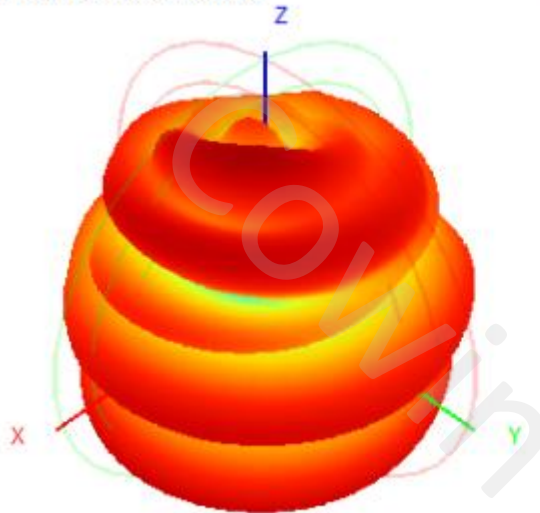


## 4.3 Peak gain

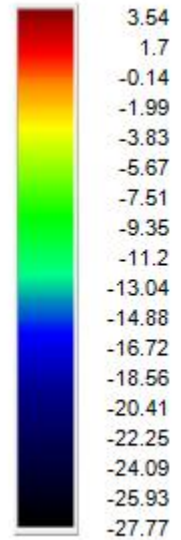
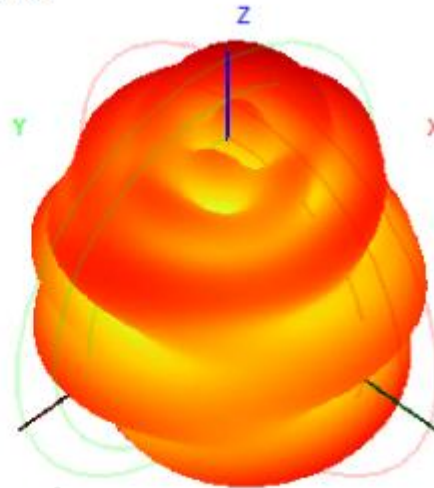


## 4.4 3D&2D Radiation Patterns

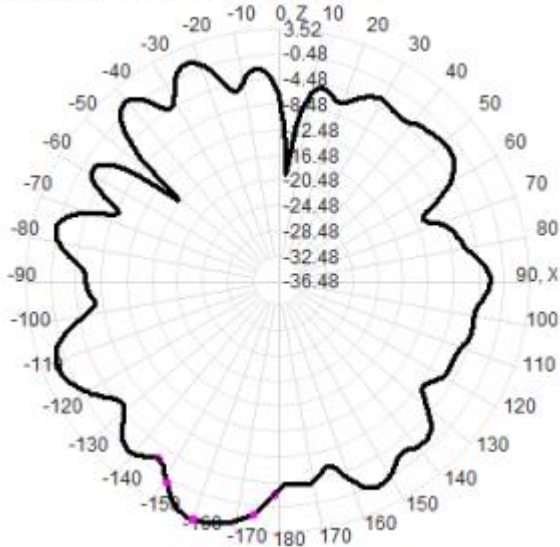
2400.0MHz H+V, Eff: 46.9%



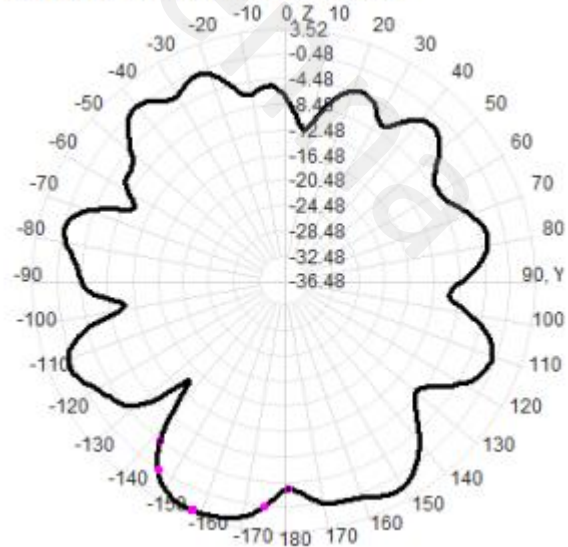
Back View



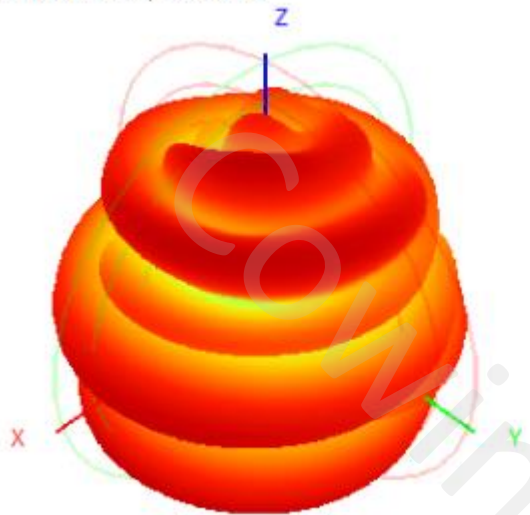
2400.0MHz Total(E1-XZ), Max= 3.52dBi



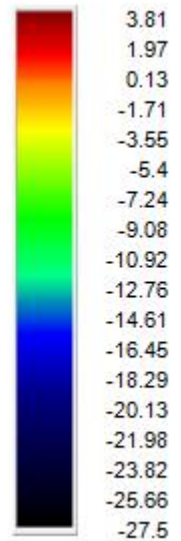
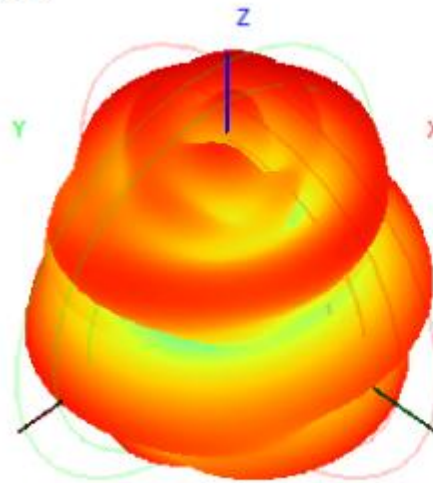
2400.0MHz Total(E2-YZ), Max= 2.57dBi



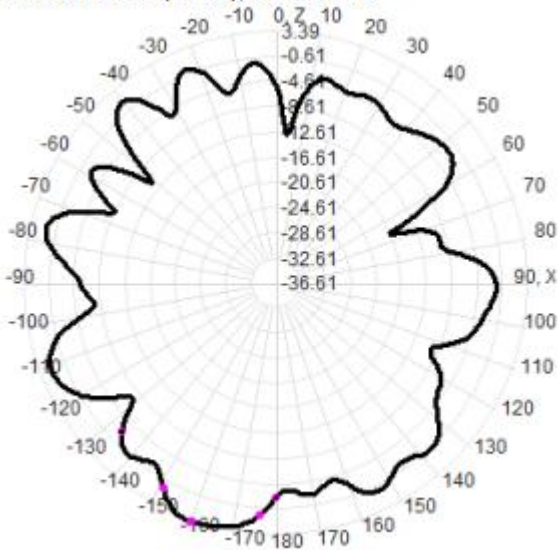
2450.0MHz H+V, Eff: 49.4%



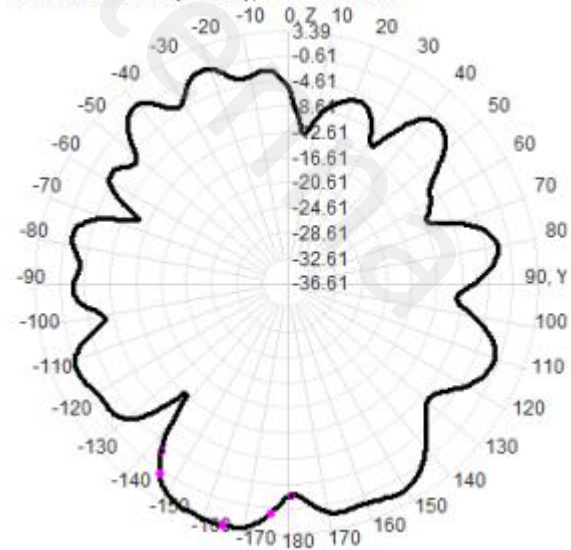
Back View



2450.0MHz Total(E1-XZ), Max= 3.39dBi

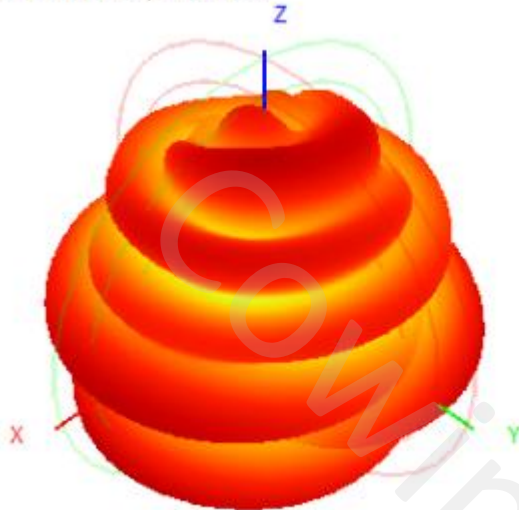


2450.0MHz Total(E2-YZ), Max= 3.00dBi

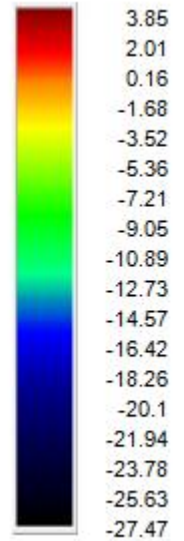
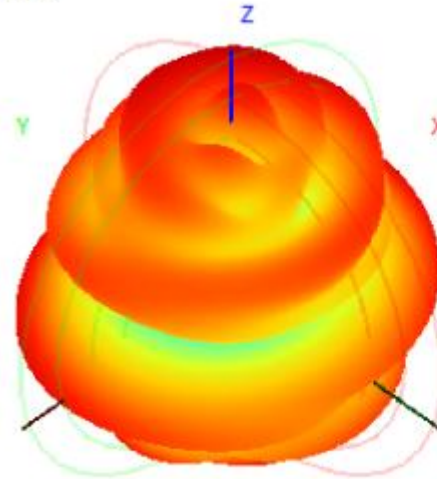




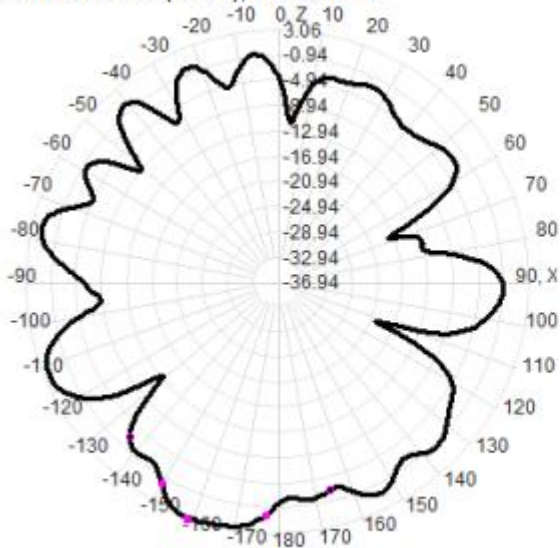
2500.0MHz H+V, Eff: 49.6%



Back View



2500.0MHz Total(E1-XZ), Max= 3.00dBi



2500.0MHz Total(E2-YZ), Max= 3.06dBi

