

## **CW-WZ-0035**

### **2.4G External Antenna**

#### **Key Features**

Frequency:2400-2500MHZ

SMA Connector

Dimensions:195\*13mm

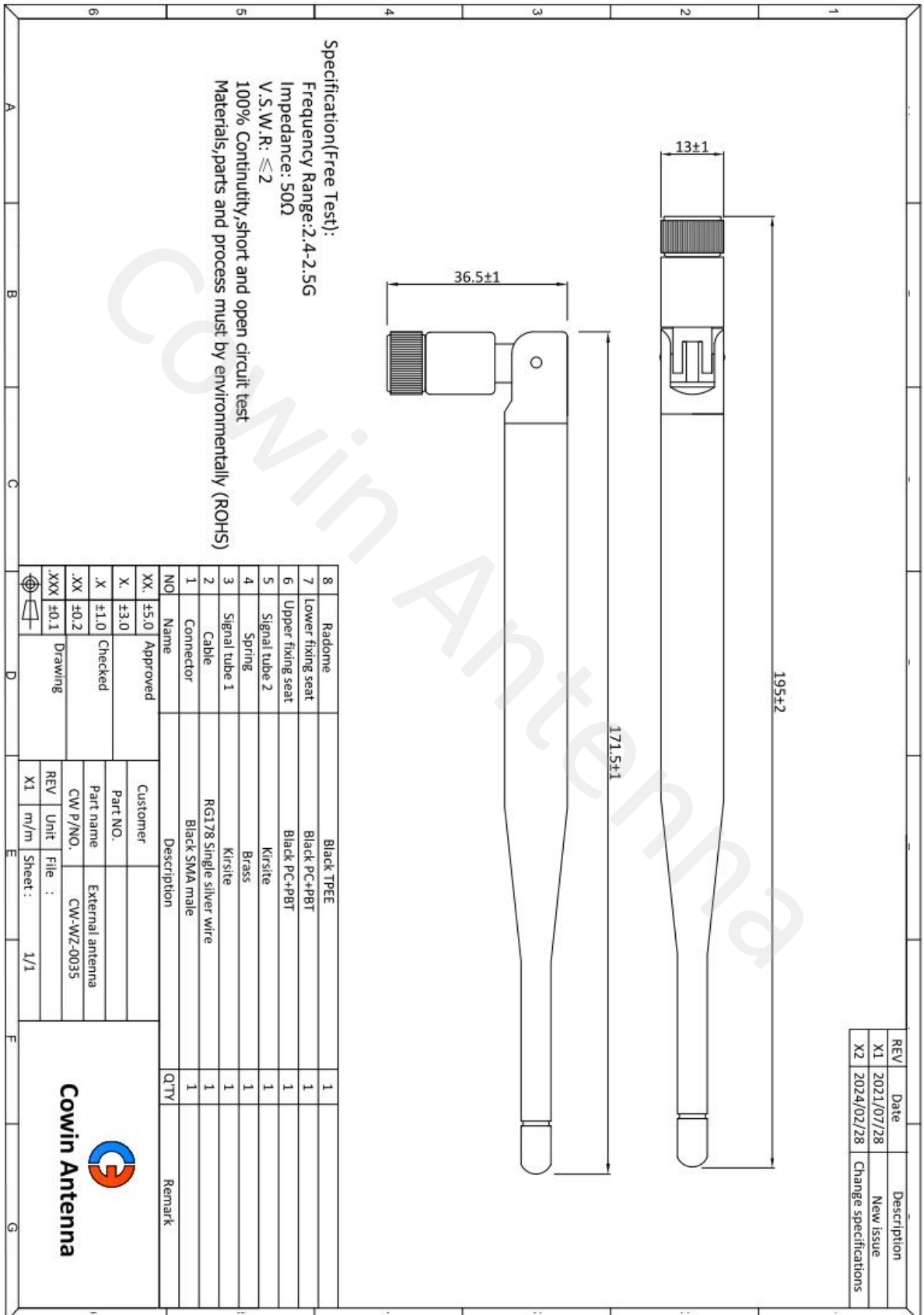


## 1. Antenna Electrical Characteristics

Band (MHz)	
Frequency (MHz)	2400-2500MHZ
VSWR	≤2.0
Efficiency (%)	82.36%
Peak Gain (dBi)	5.16
Impedance (Ohm)	50
Polarisation	Vertical
Max. Input Power (W)	10
Connector Type	SMA

## 2. Material and environmental characteristics

External structure	TPEE/PBT+PC
Inner structure	Brass
Cable Type	RG178
Connector Type	SMA
Dimensions (mm)	195*13MM
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

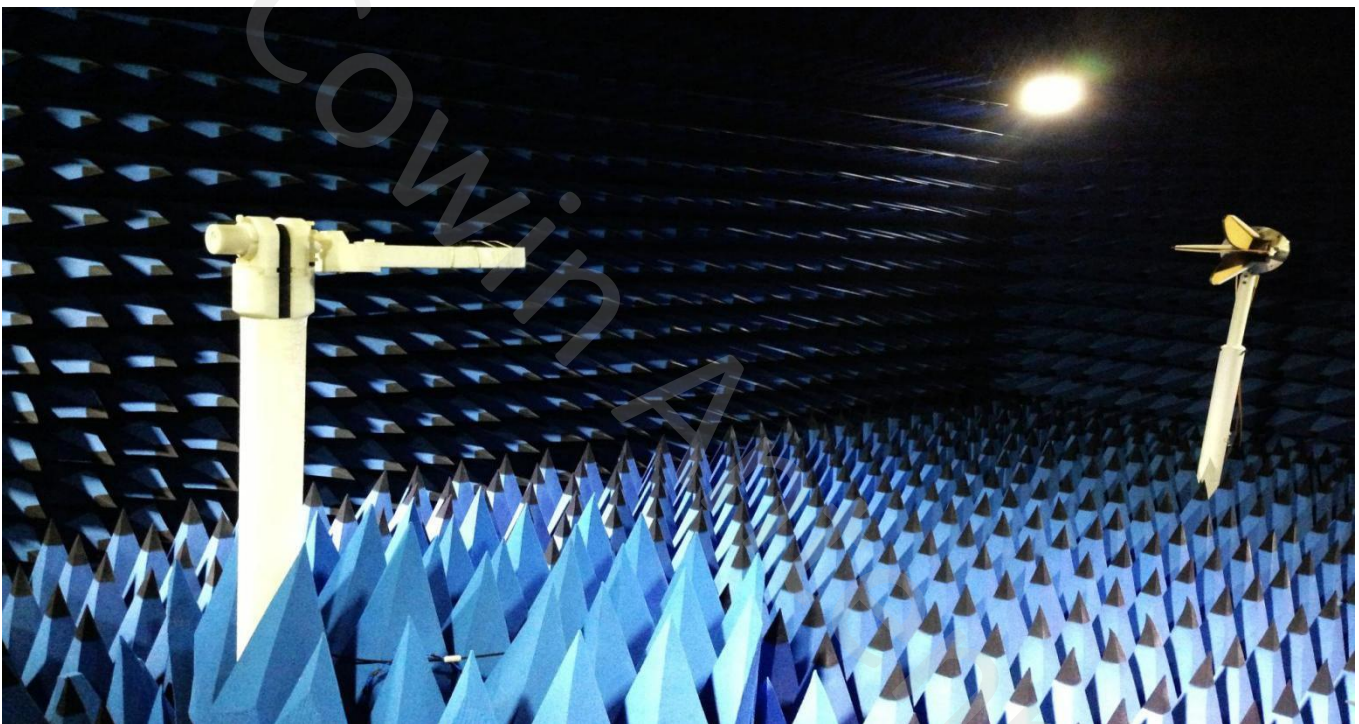
### Antenna Measurement Conditions:

Mounted on Ground Plane of 280 x 80 mm

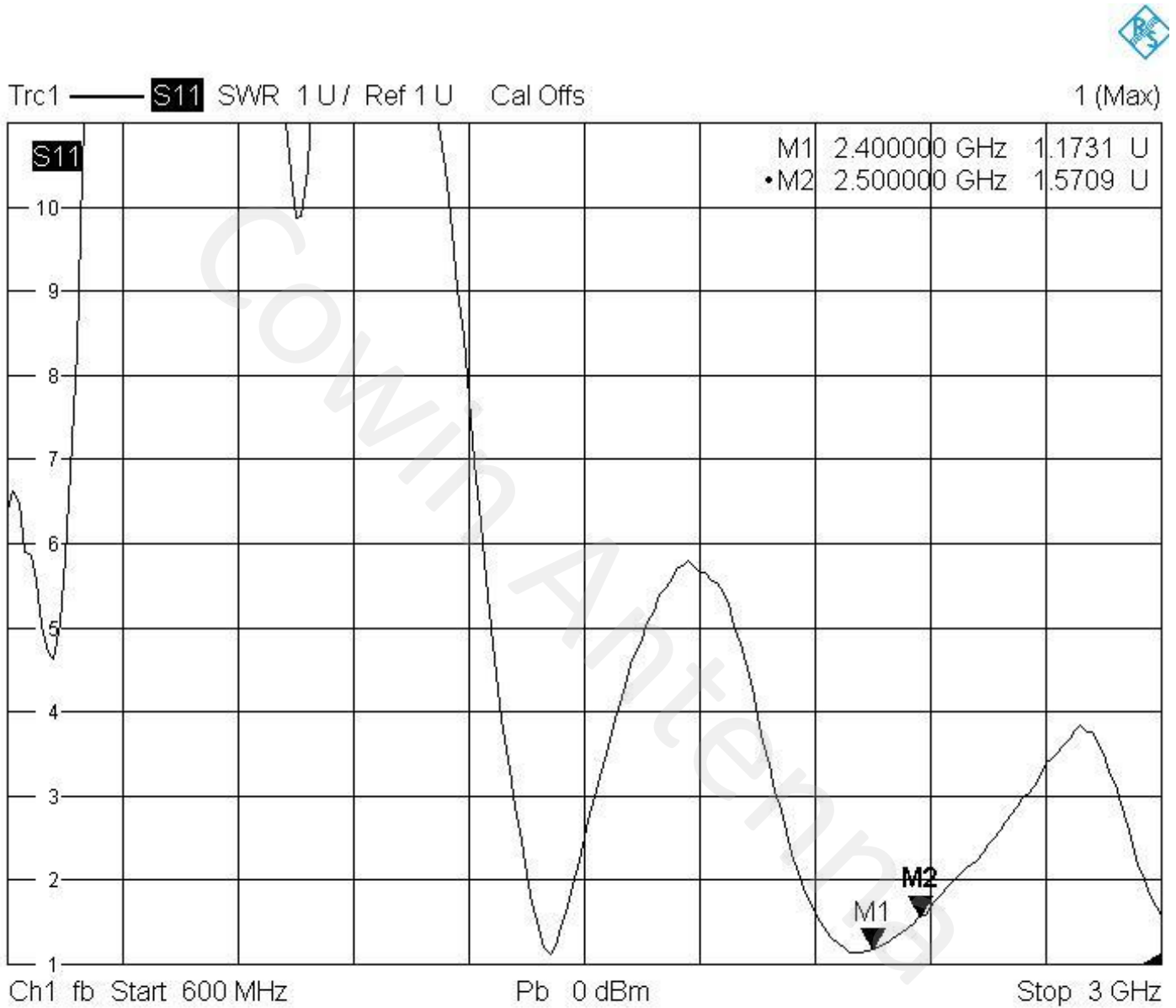
Measured in Certified 3D Anechoic Chamber

The network analyzer is Agilent 5071c

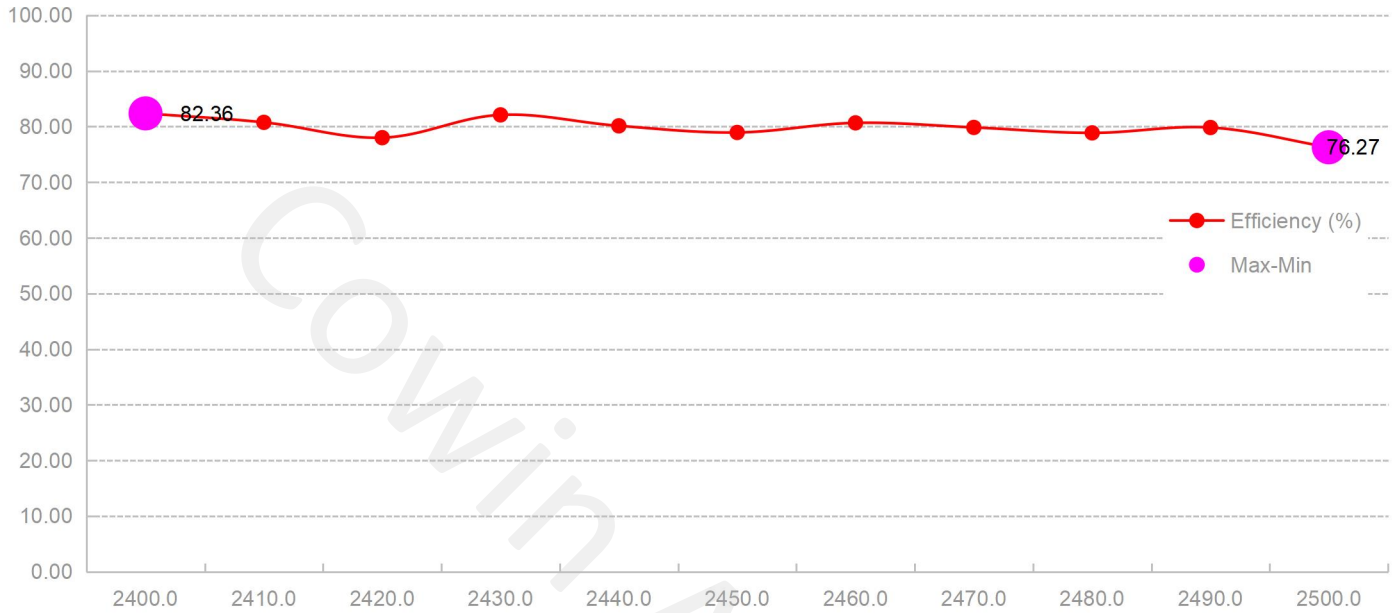
The comprehensive tester is Agilent cmv500



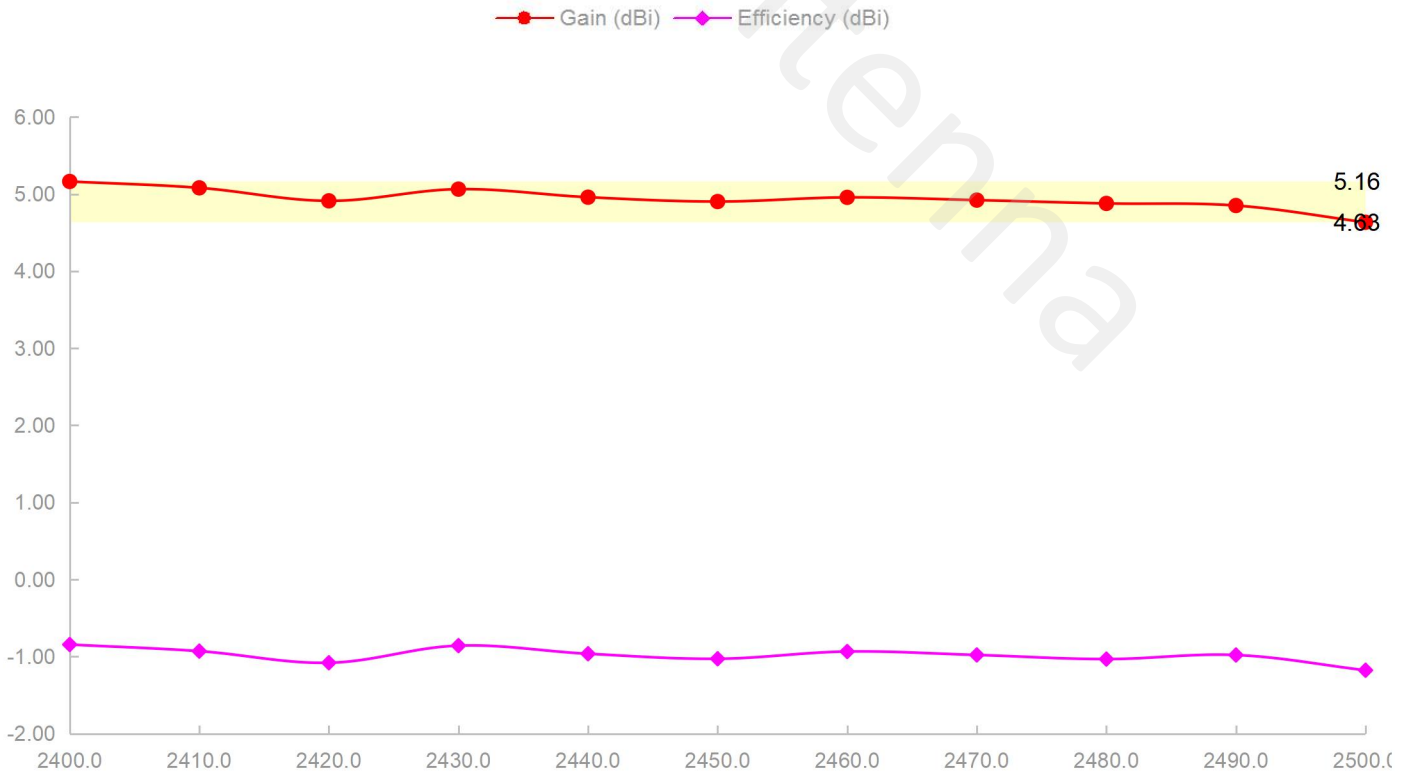
## 4.1 VSWR



## 4.2 Efficiency

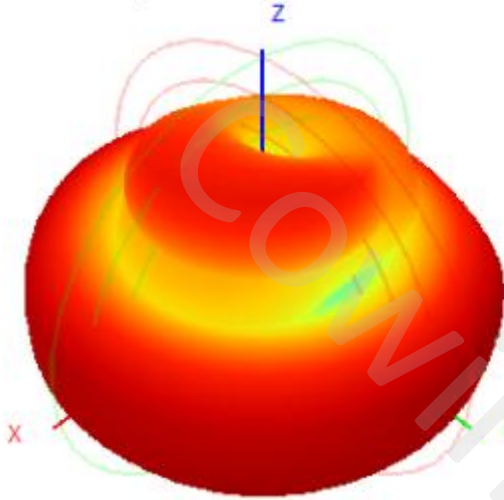


## 4.3 Peak gain

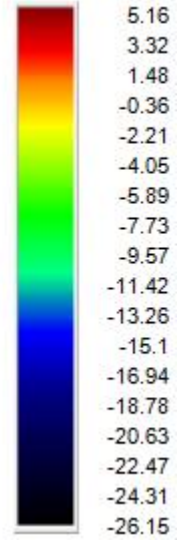
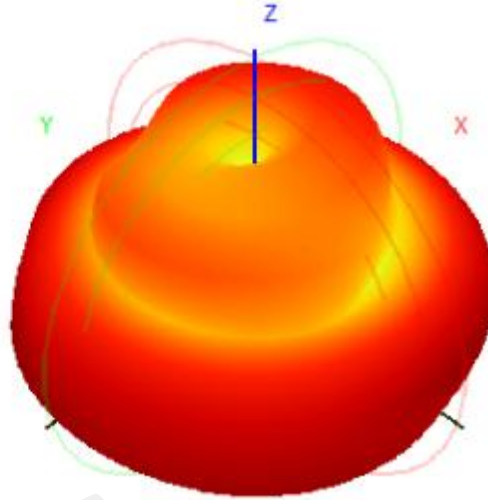


## 4.4 3D&2D Radiation Patterns

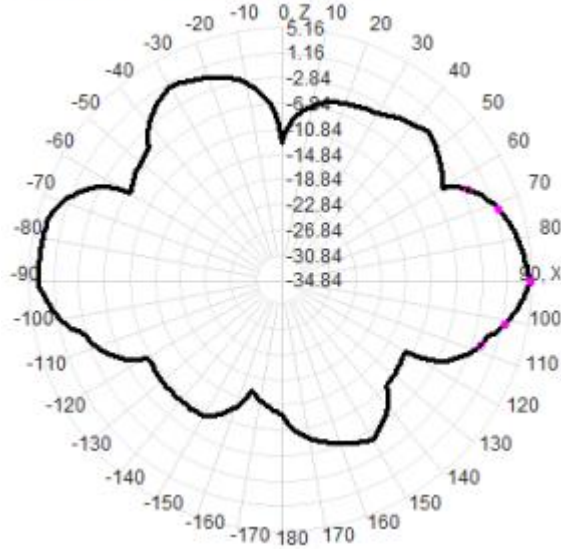
2400.0MHz H+V, Eff: 82.4%



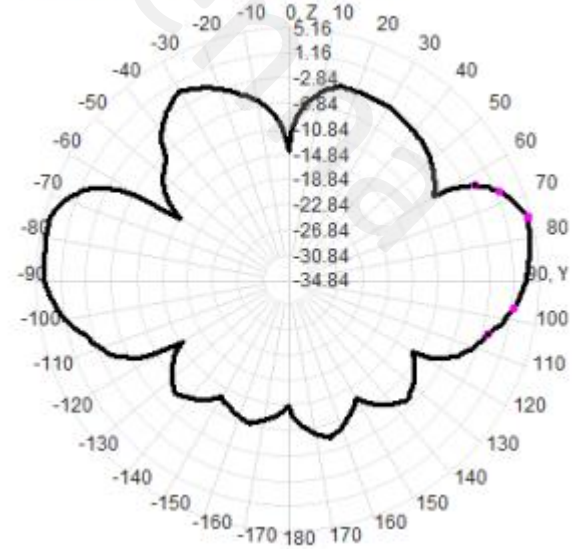
Back View



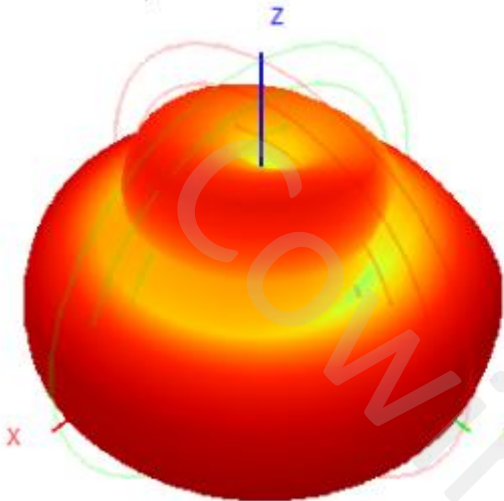
2400.0MHz Total(E1-XZ), Max= 4.47dBi



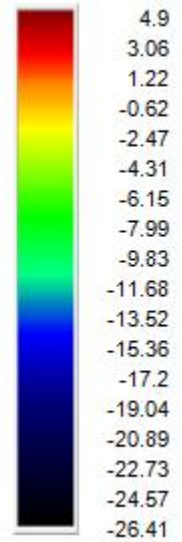
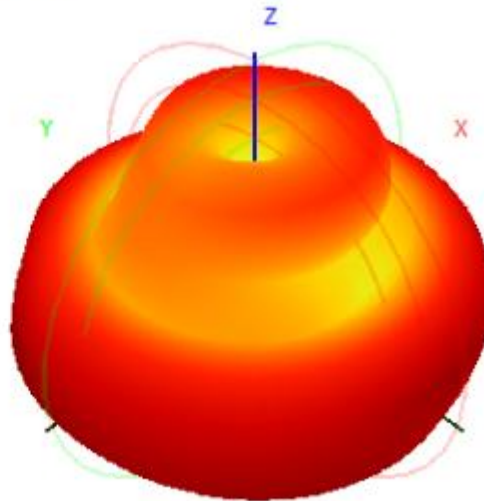
2400.0MHz Total(E2-YZ), Max= 4.34dBi



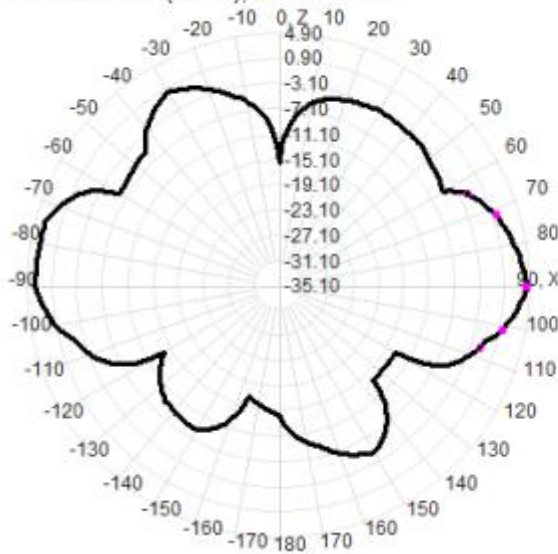
2450.0MHz H+V, Eff: 78.9%



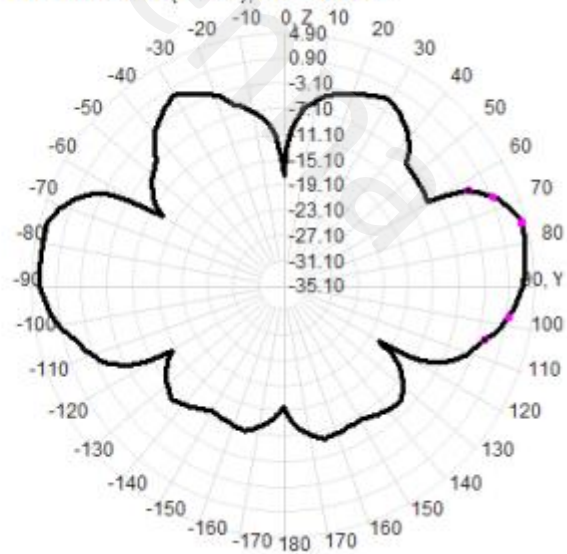
Back View



2450.0MHz Total(E1-XZ), Max= 4.20dBi



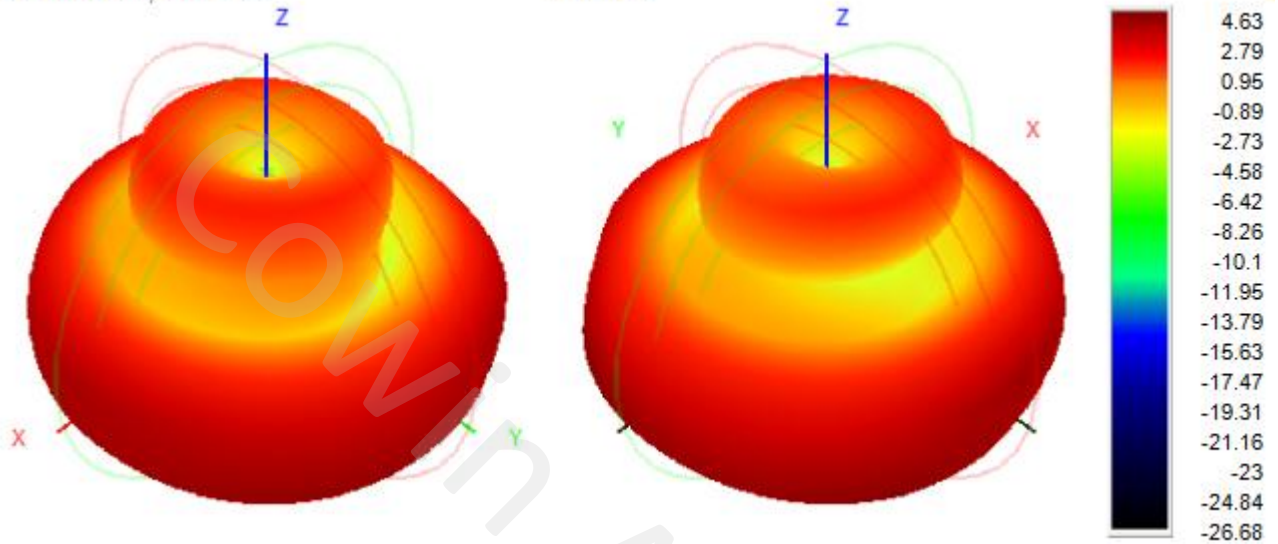
2450.0MHz Total(E2-YZ), Max= 4.01dBi





2500.0MHz H+V, Eff: 76.3%

Back View



2500.0MHz Total(E1-XZ), Max= 4.06dBi

2500.0MHz Total(E2-YZ), Max= 3.61dBi

