

CW-WZ-0067

2.4G-2.5G External Antenna

Key Features

Frequency: 2.4G-2.5G

SMA Male Connector

External Rubber

Dimensions 115*8mm

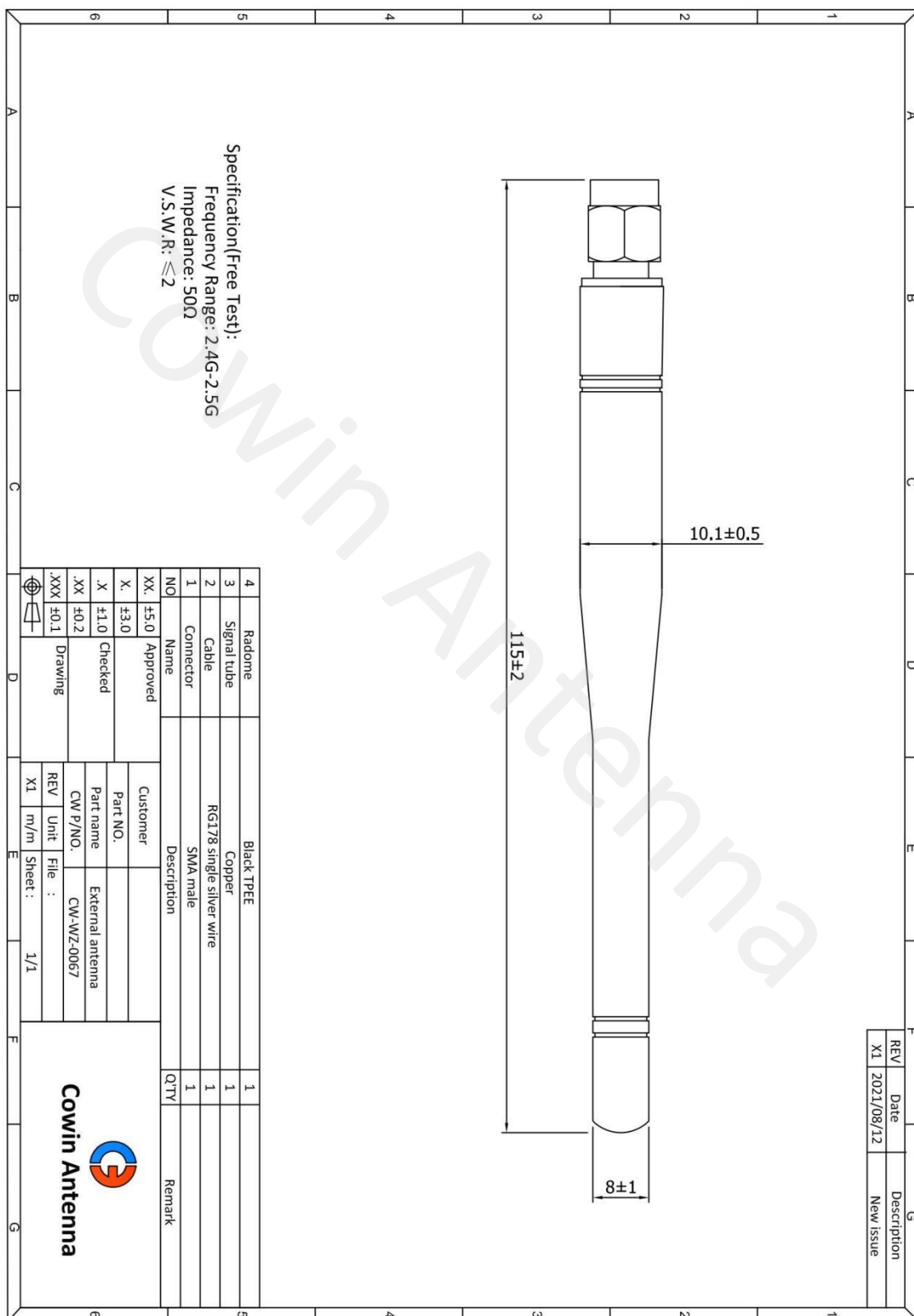


1. Antenna Electrical Characteristics

Band (MHz)	
Frequency (MHz)	2.4G-2.5G
VSWR	2:1
Efficiency (%)	73.58%
Peak Gain (dBi)	2.82
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	RG178
Connector Type	SMA male
Dimensions (mm)	115*8MM
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

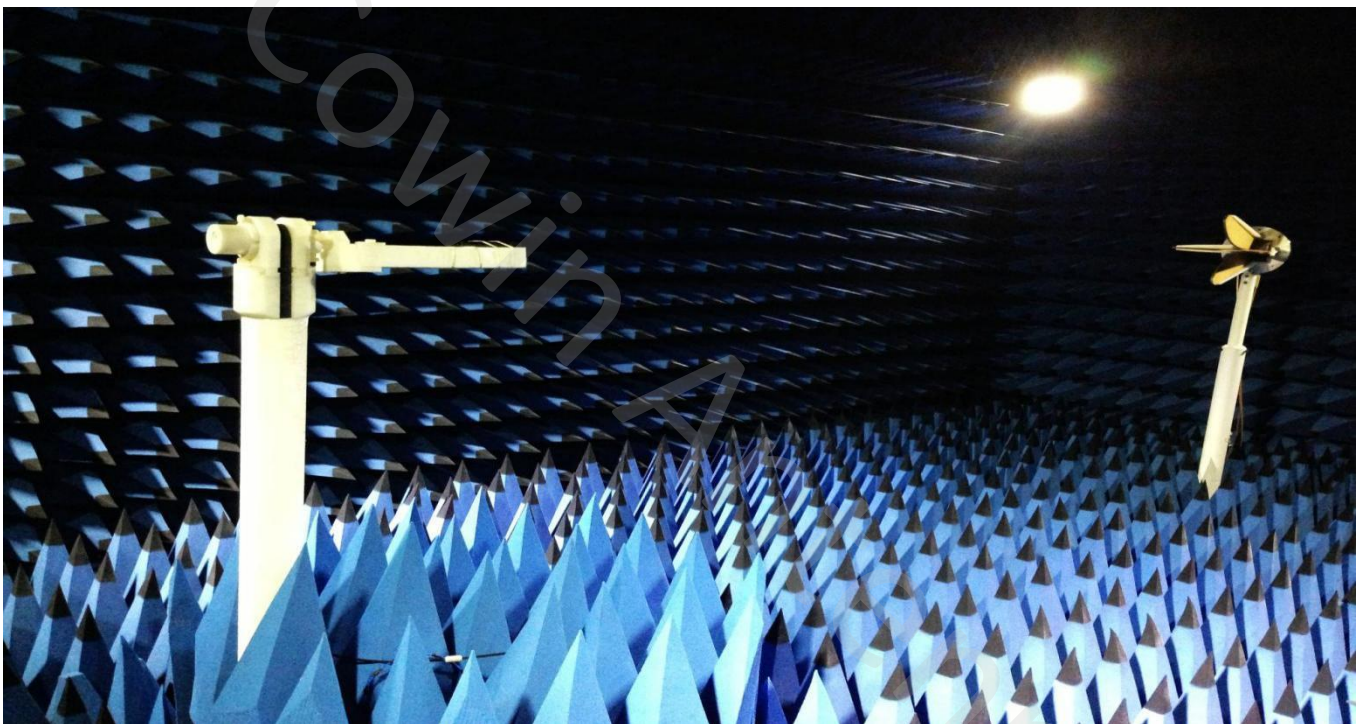
Antenna Measurement Conditions:

Mounted on Ground Plane of 280 x 80 mm

Measured in Certified 3D Anechoic Chamber

The network analyzer is Agilent 5071c

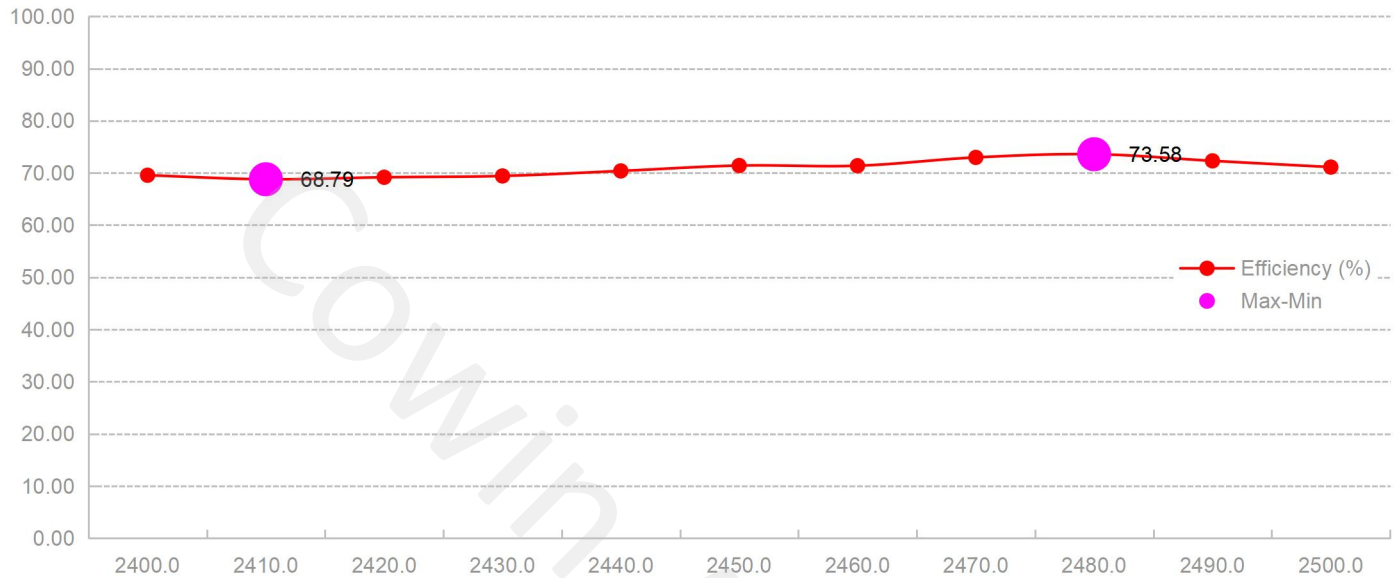
The comprehensive tester is Agilent cmv500



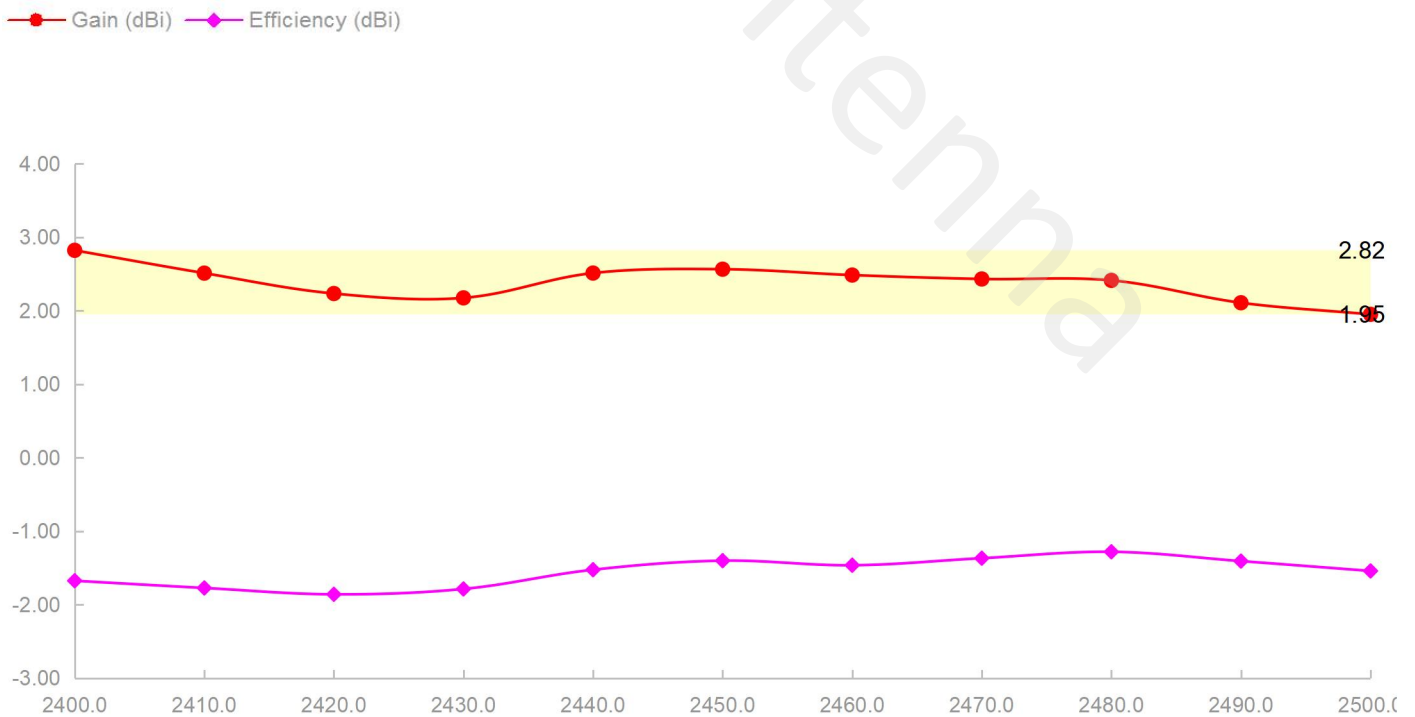
4.1 VSWR



4.2 Efficiency

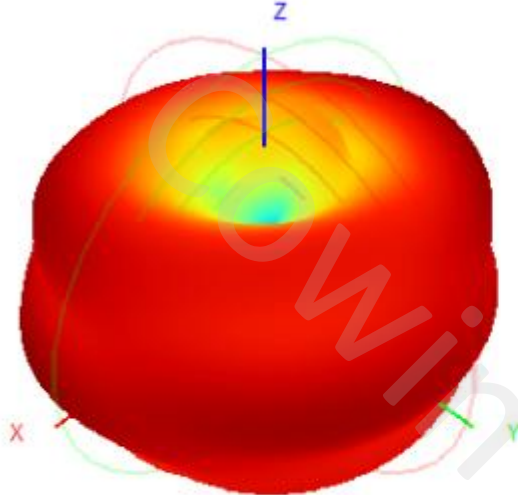


4.3 Peak gain

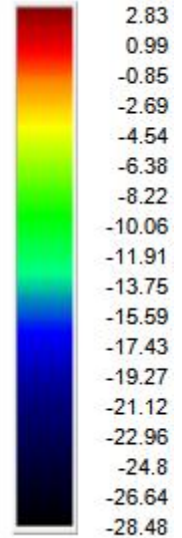
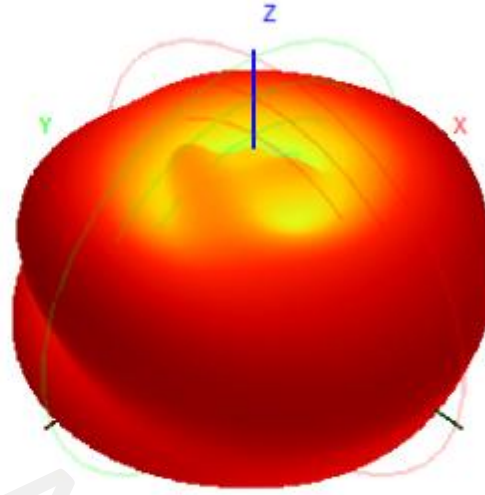


4.4 3D&2D Radiation Patterns

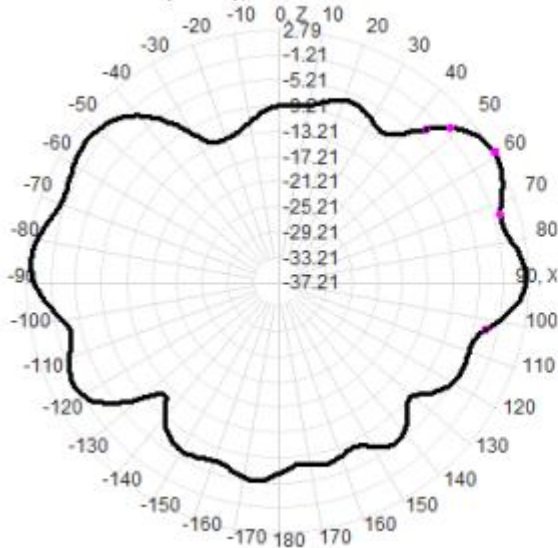
2400.0MHz H+V, Eff: 69.6%



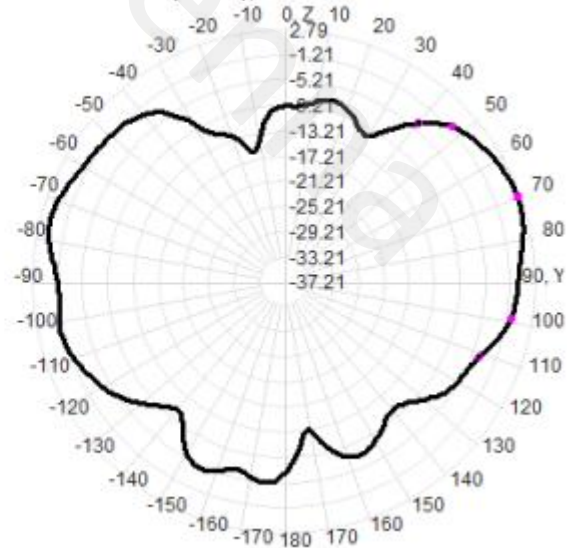
Back View



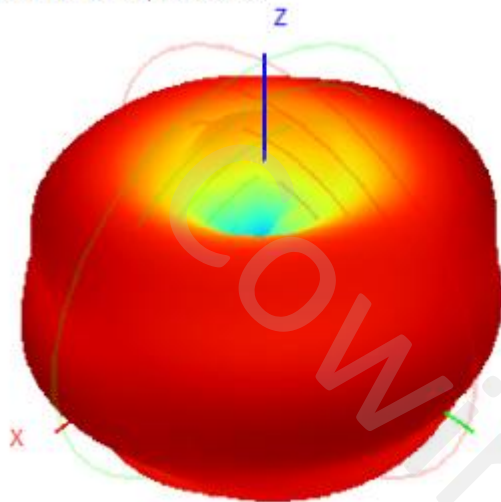
2400.0MHz Total(E1-XZ), Max= 2.79dBi



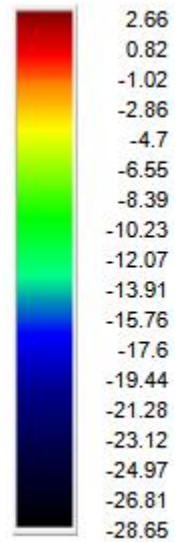
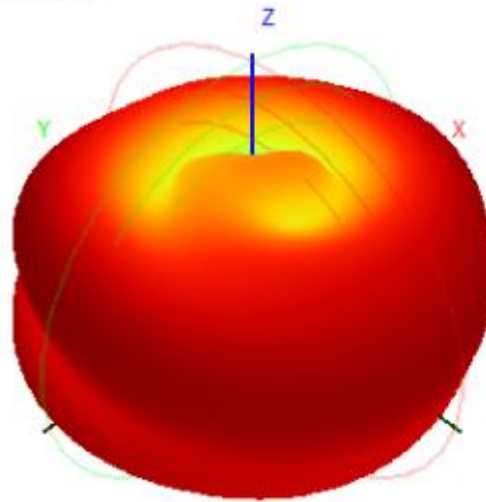
2400.0MHz Total(E2-YZ), Max= 2.12dBi



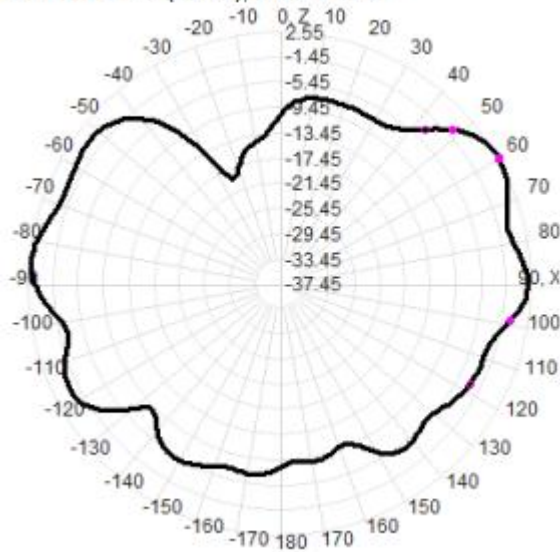
2450.0MHz H+V, Eff: 71.4%



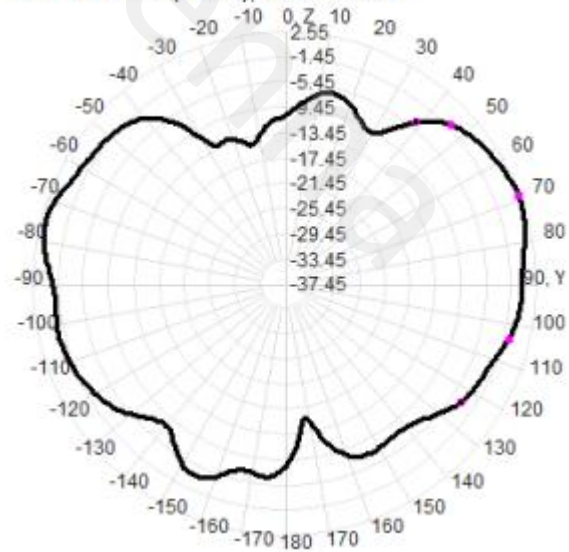
Back View



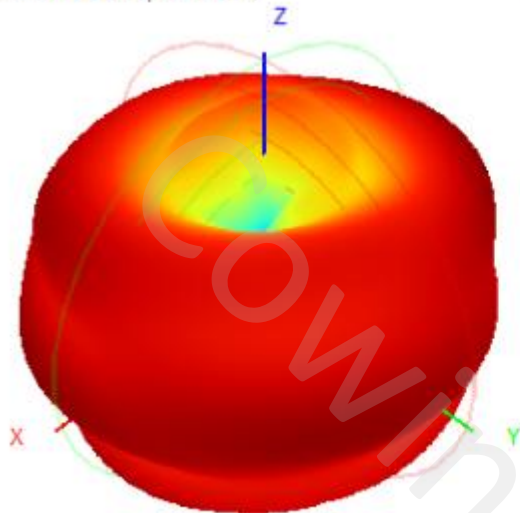
2450.0MHz Total(E1-XZ), Max= 2.55dBi



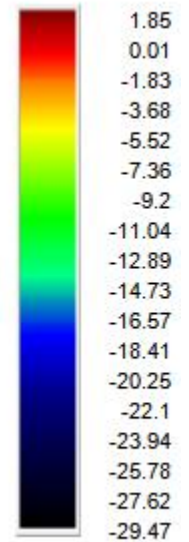
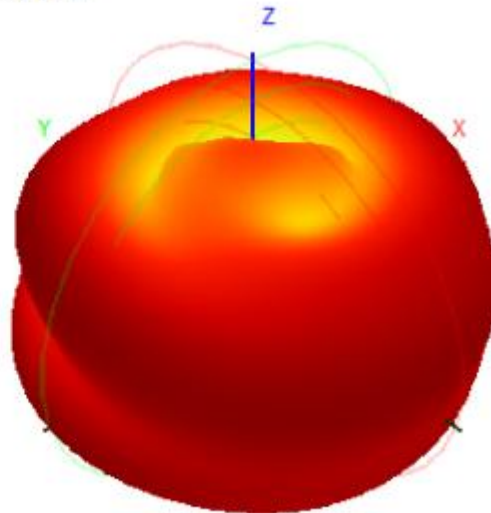
2450.0MHz Total(E2-YZ), Max= 2.02dBi



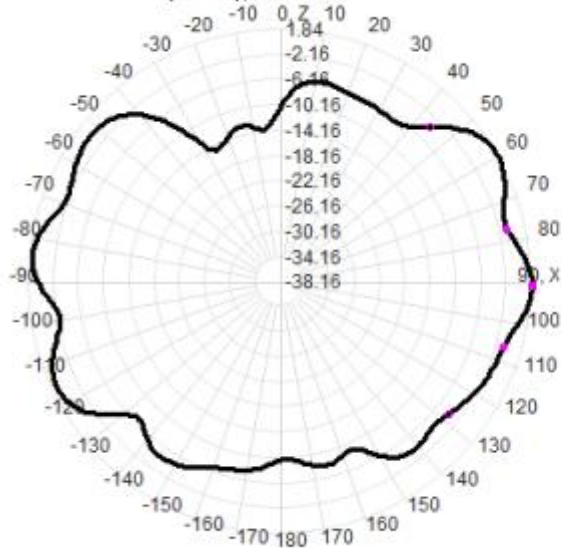
2500.0MHz H+V, Eff: 71.1%



Back View



2500.0MHz Total(E1-XZ), Max= 1.82dBi



2500.0MHz Total(E2-YZ), Max= 1.44dBi

