

CW-WZ-0035

2.4G External Antenna

Key Features

Frequency:2400-2500MHZ

SMA Connector

Dimensions:195*13mm

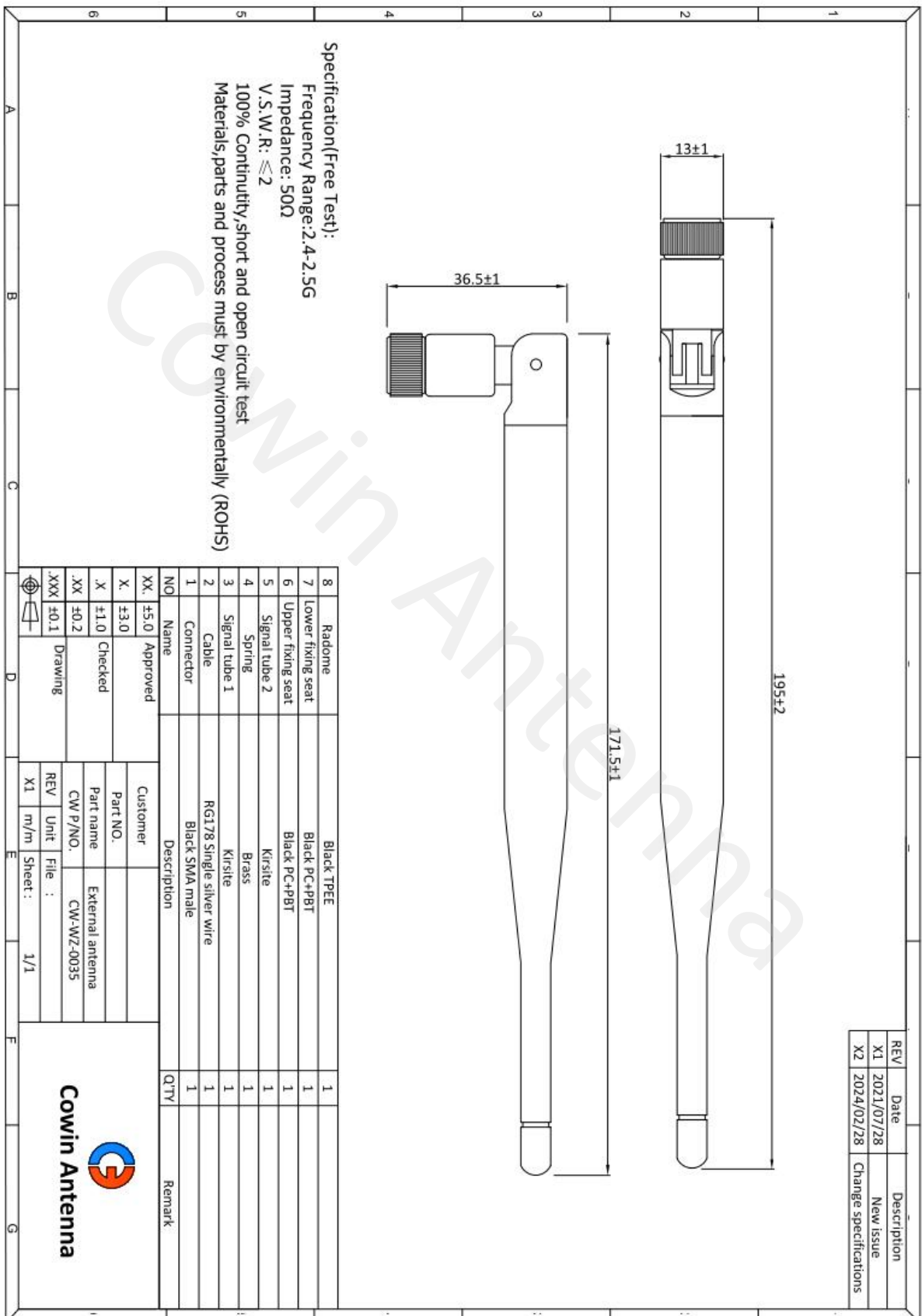


1. Antenna Electrical Characteristics

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

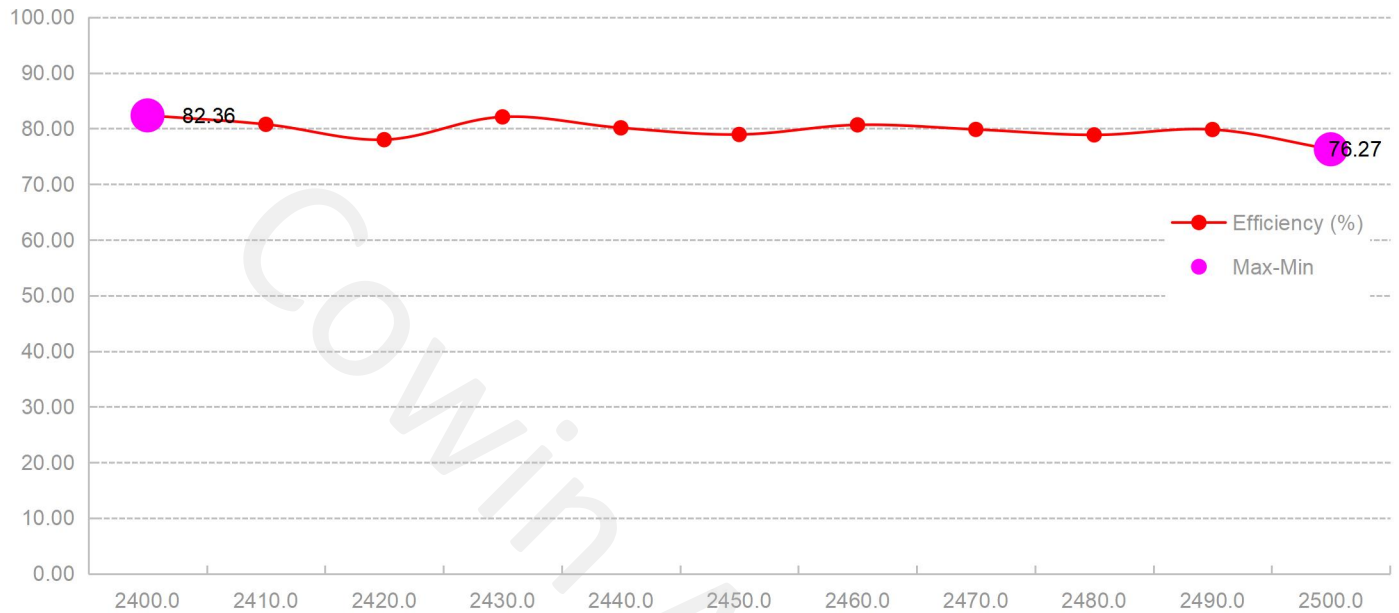
The comprehensive tester is Agilent cmv500



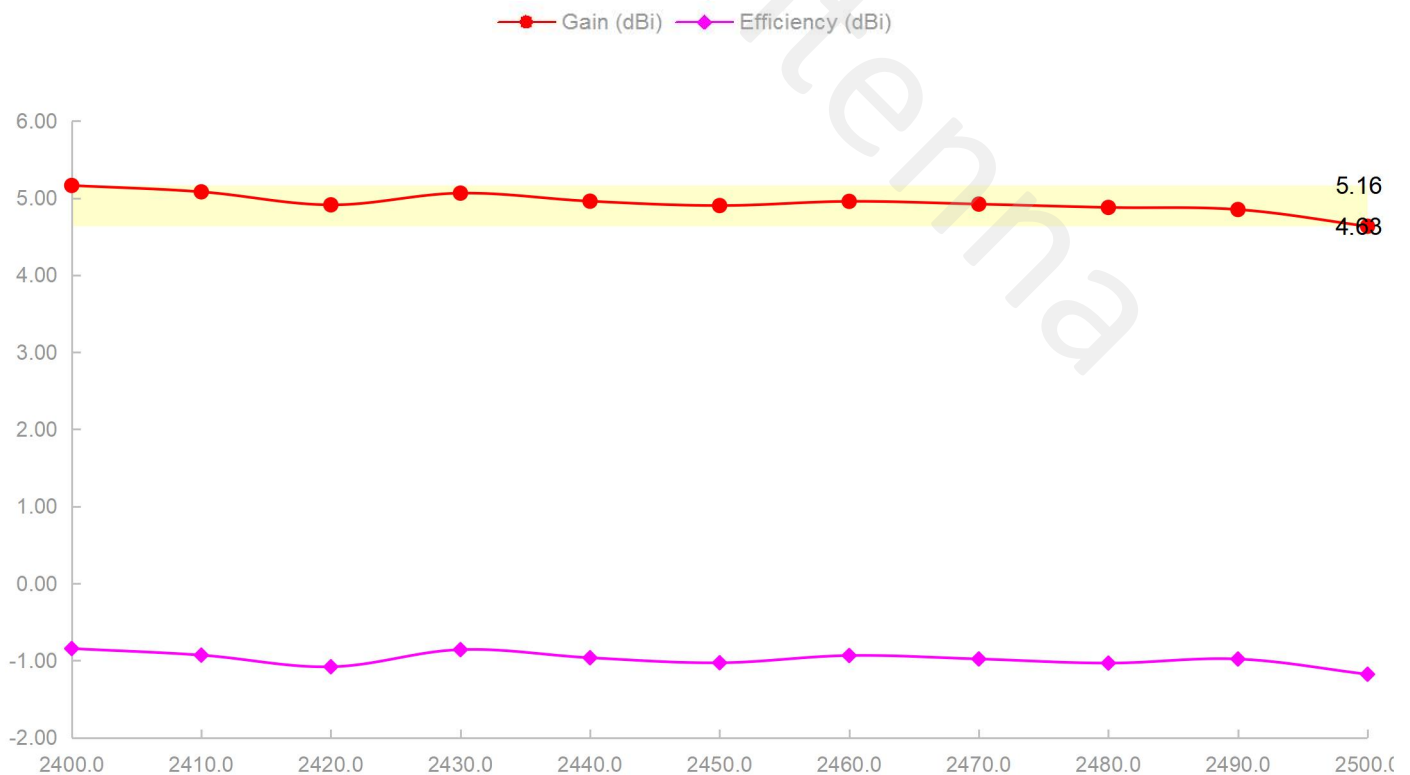
4.1 VSWR



4.2 Efficiency



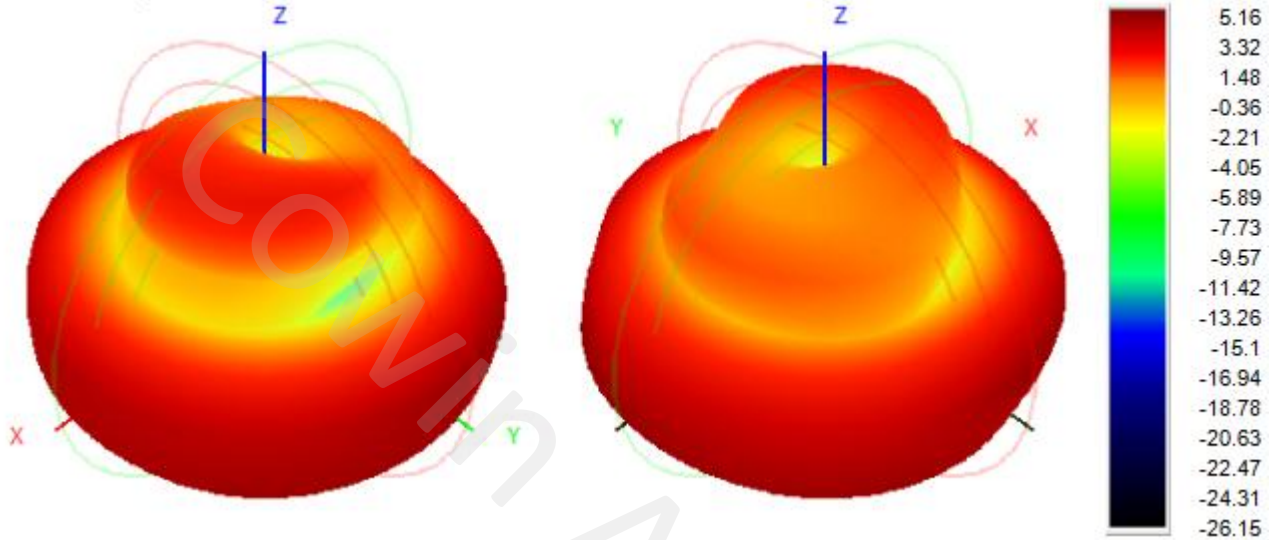
4.3 Peak gain



4.4 3D&2D Radiation Patterns

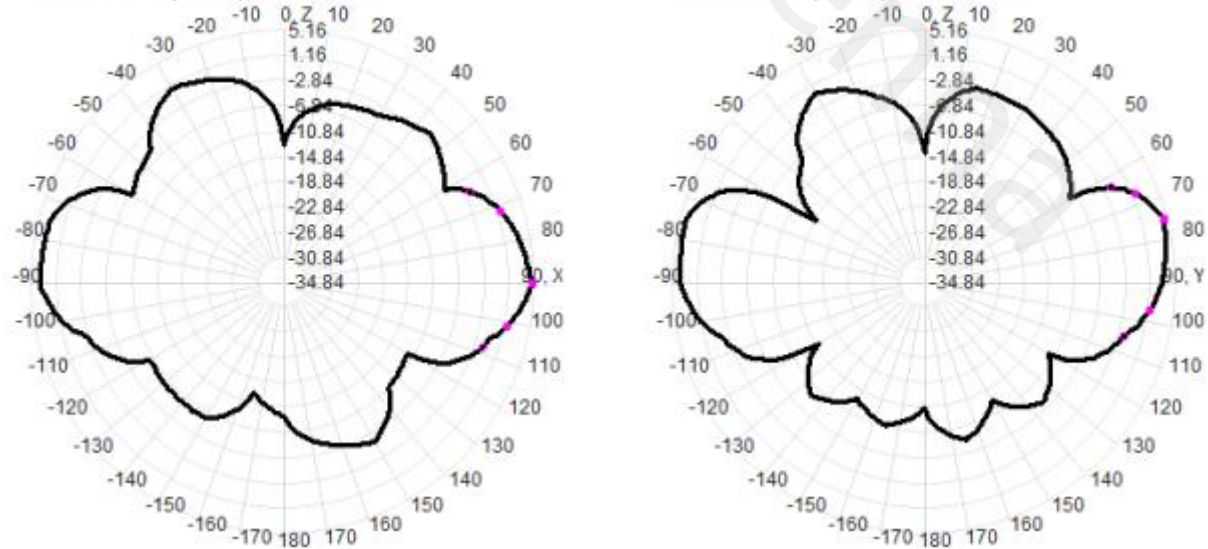
2400.0MHz H+V, Eff: 82.4%

Back View



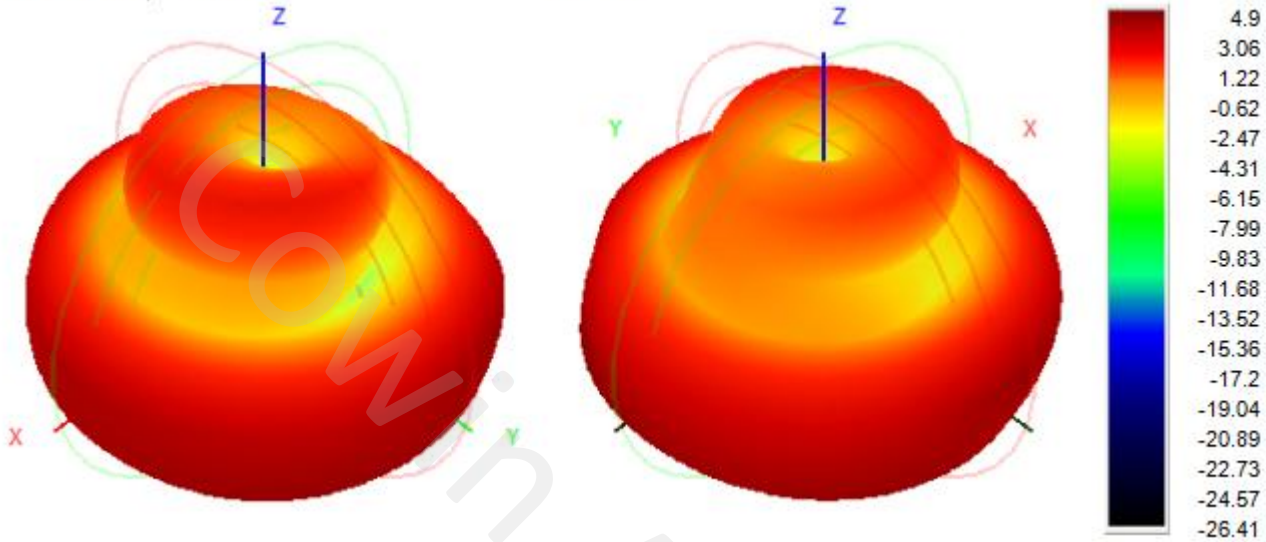
2400.0MHz Total(E1-XZ), Max= 4.47dBi

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

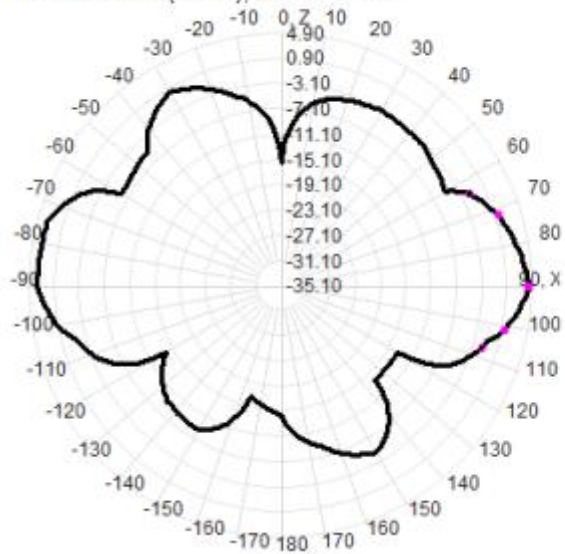


2450.0MHz H+V, Eff: 78.9%

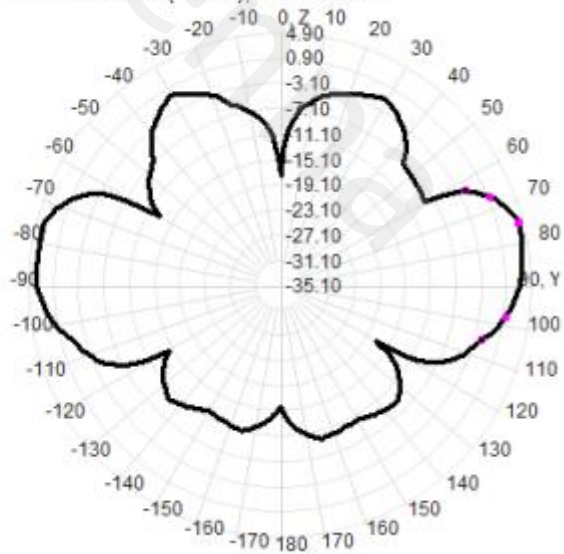
Back View



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

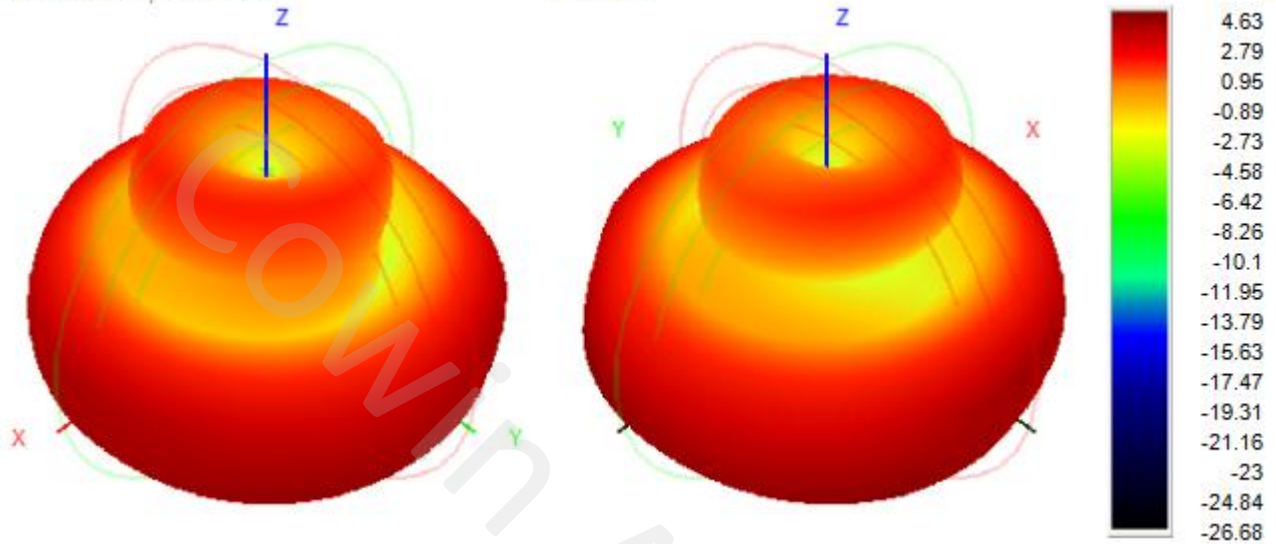


2450.0MHz Total(E2-YZ), Max= 4.01dBi



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

