

CW-WZ-0115

2.4G External Patch Antenna

Key Features

Frequency: 2.4-2.5G

MCX Male Connector

3M Adhesive

Dimensions 116*22 mm

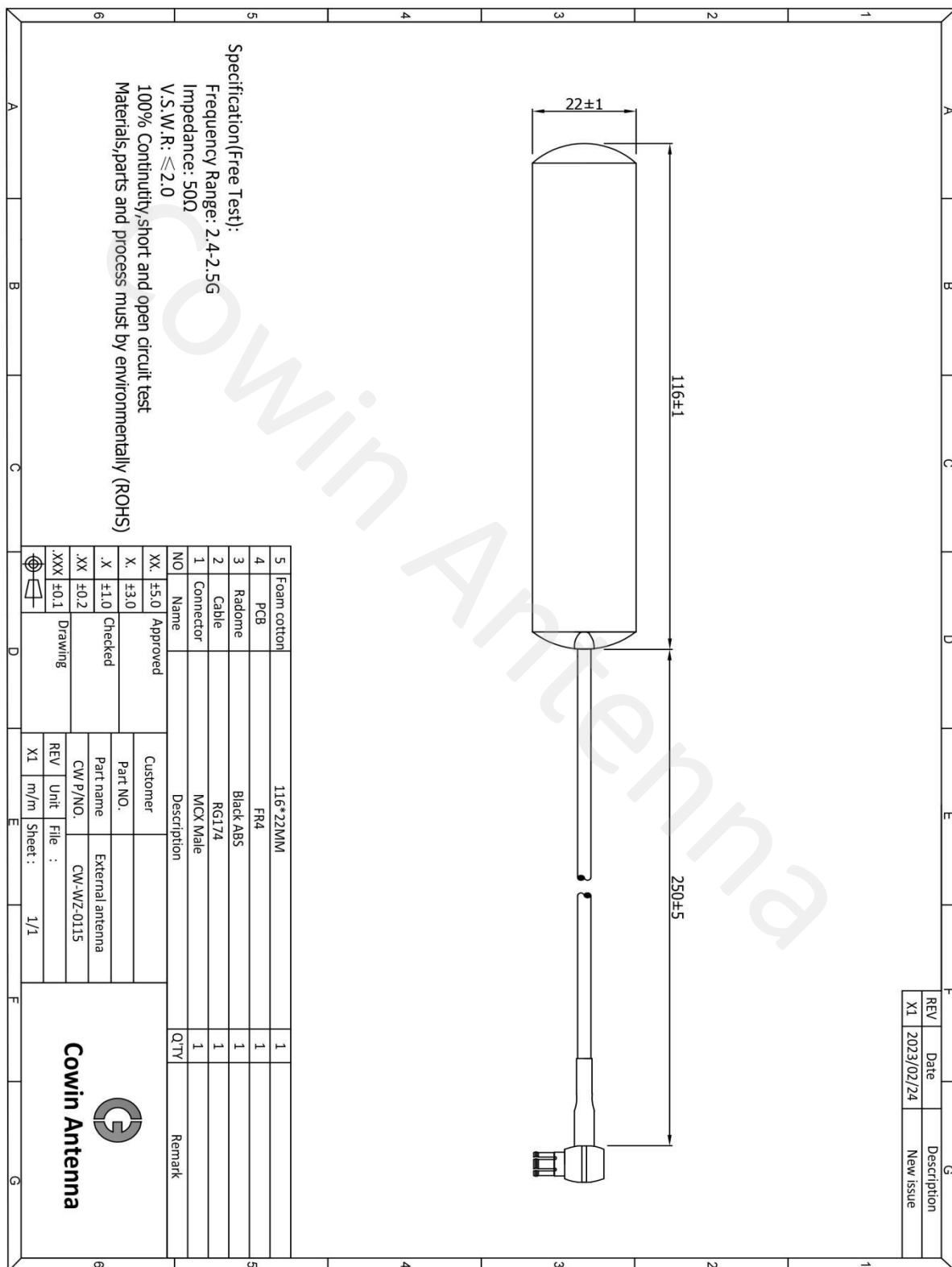


1. Antenna Electrical Characteristics

Band (MHz)	
Frequency (MHz)	2.4-2.5G
VSWR	2.0
Efficiency (%)	70.22%
Peak Gain (dBi)	4.87
Impedance (Ohm)	50
Polarisation	Vertical
Max. Input Power (W)	10
Connector Type	MCX Male

2. Material and environmental characteristics

Inner structure	PCB
Material of Plastic	ABS
Cable Type	RG174
Connector Type	MCX Male
Dimensions (mm)	116*22MM
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

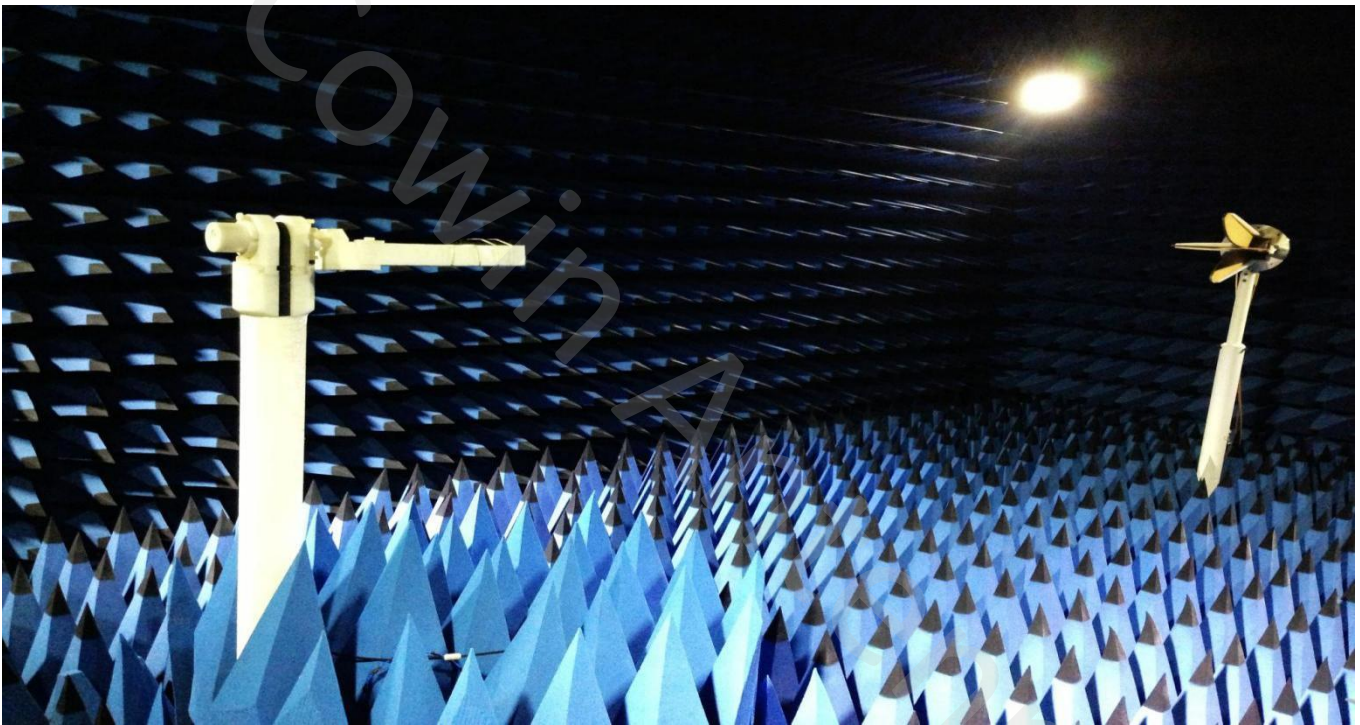
Antenna Measurement Conditions:

Mounted on Ground Plane of 280 x 80 mm

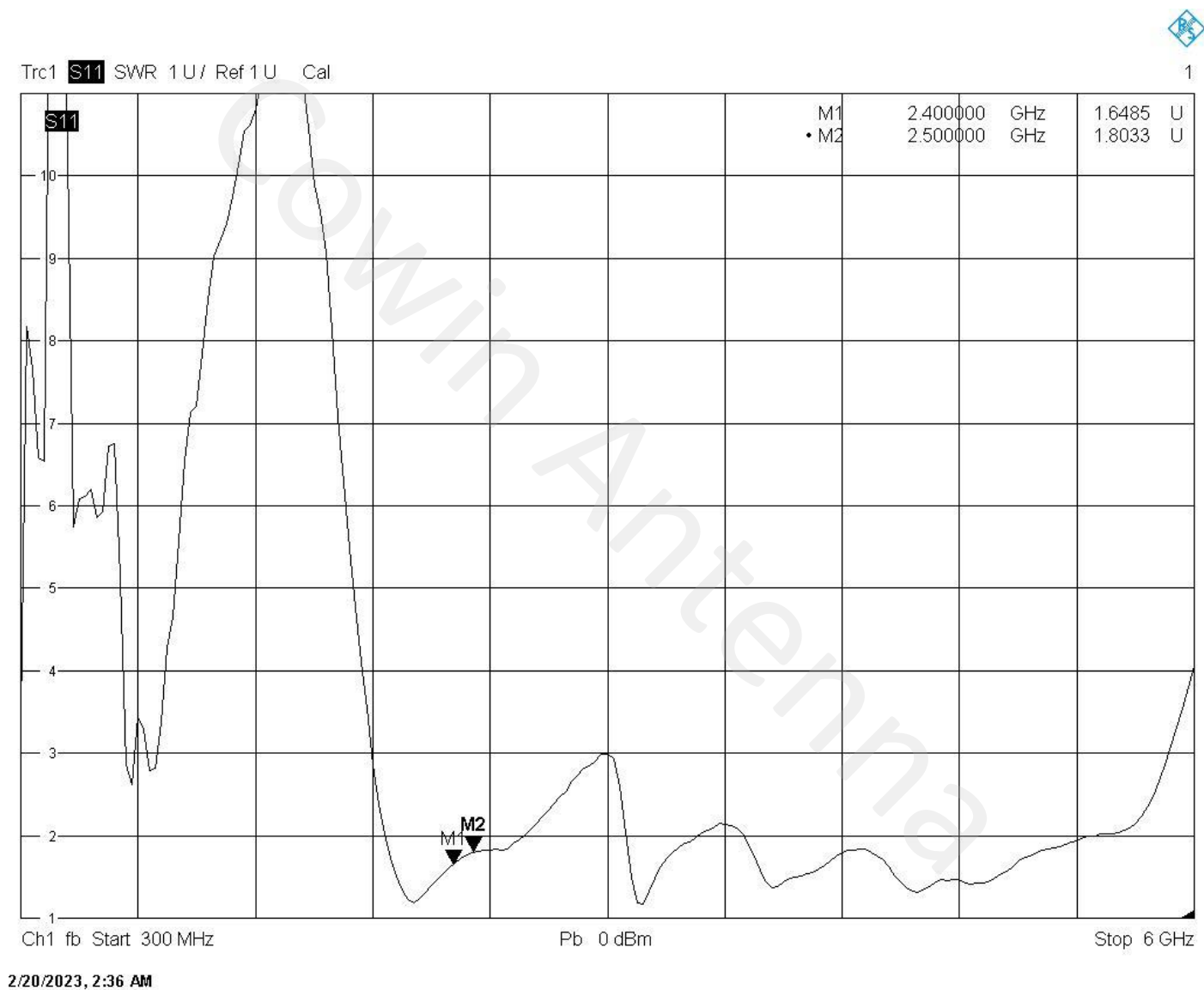
Measured in Certified 3D Anechoic Chamber

The network analyzer is Agilent 5071c

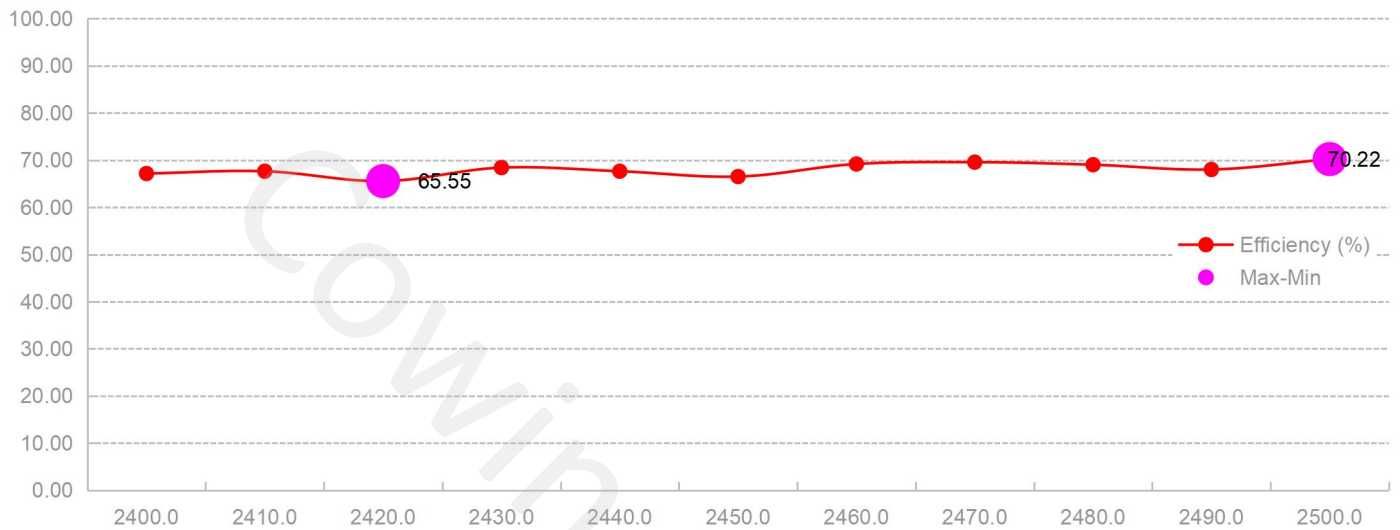
The comprehensive tester is Agilent cmv500



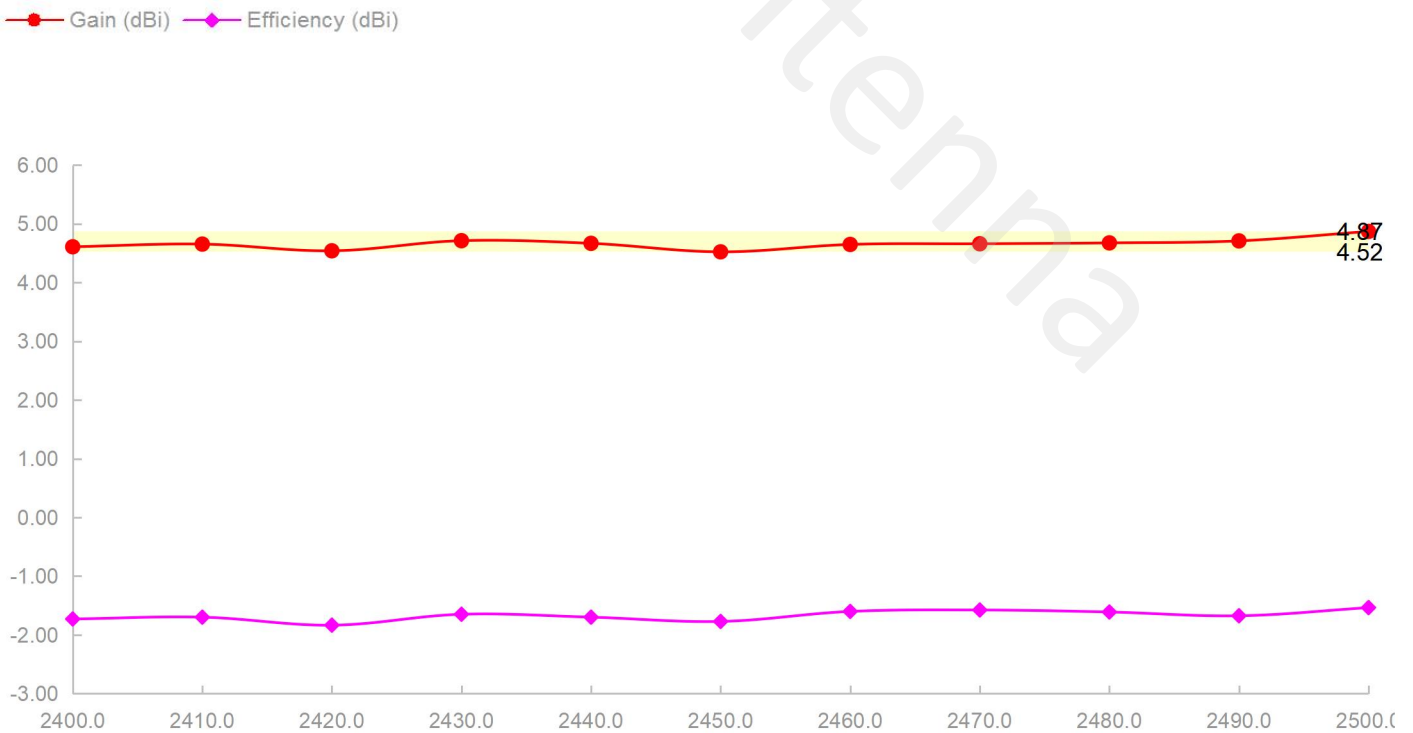
4.1 VSWR



4.2 Efficiency

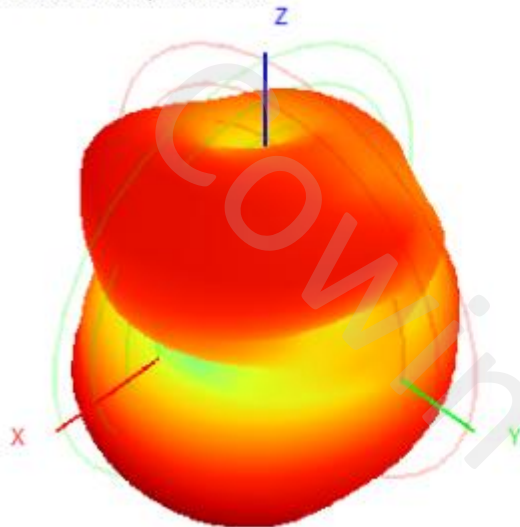


4.3 Peak gain

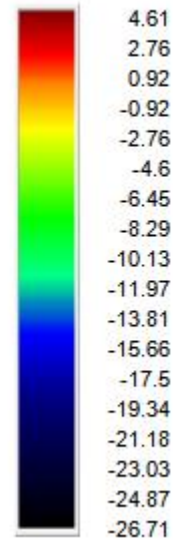
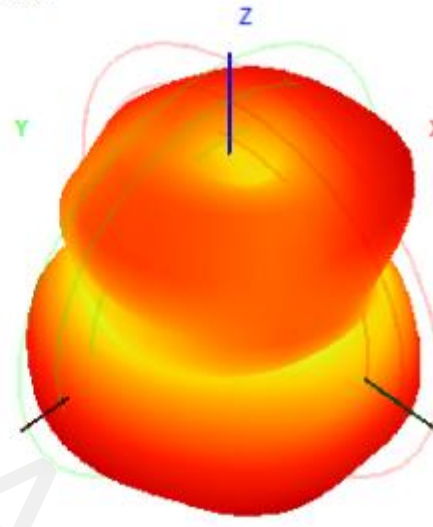


4.4 3D&2D Radiation Patterns

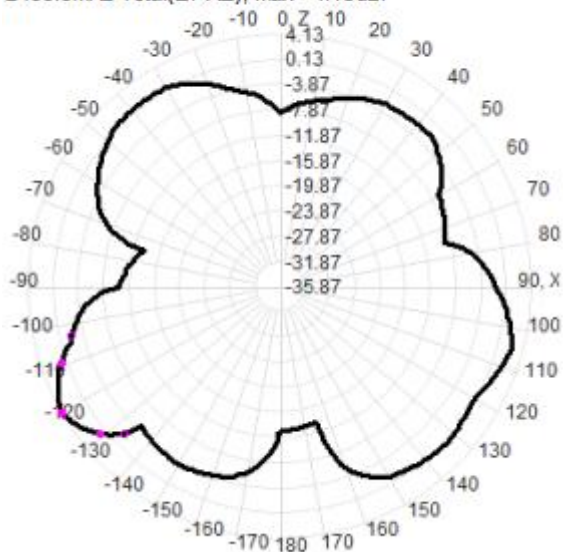
2400.0MHz H+V, Eff: 67.2%



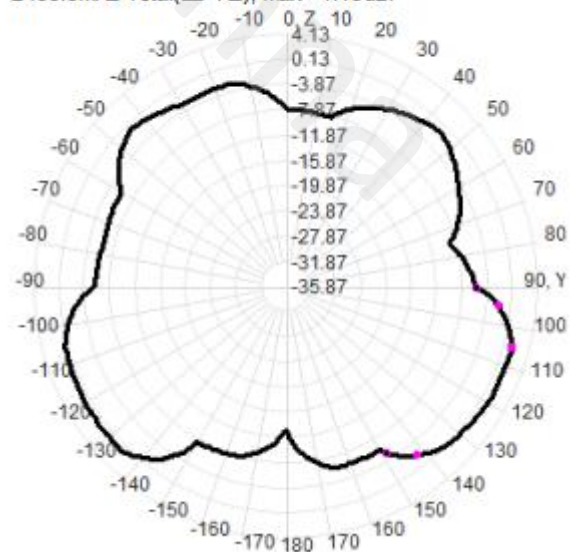
Back View



2400.0MHz Total(E1-XZ), Max= 4.13dBi

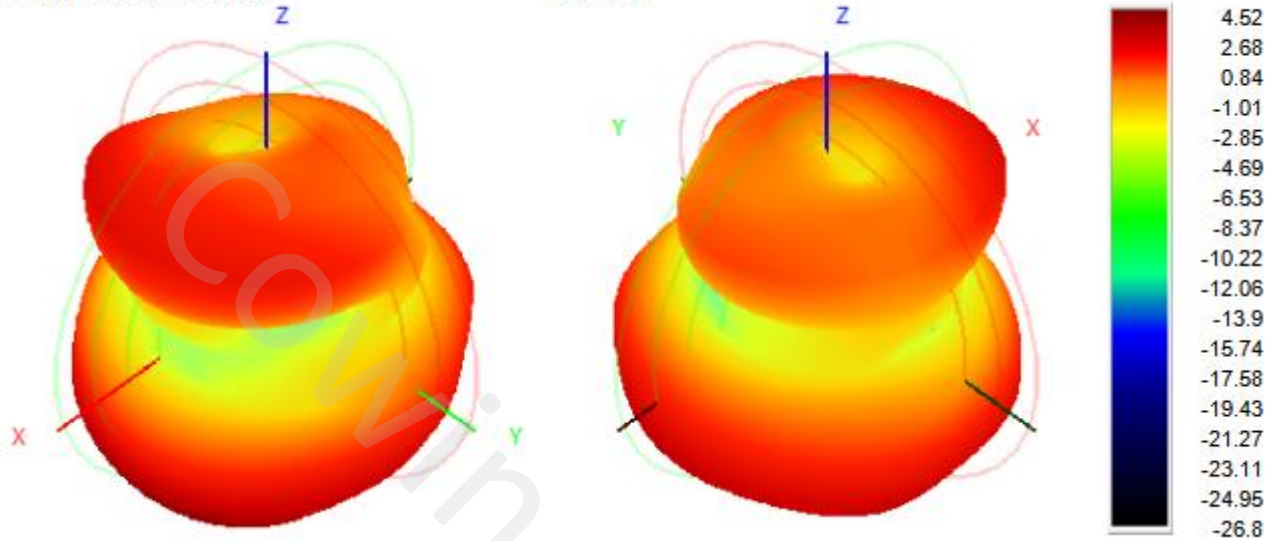


2400.0MHz Total(E2-YZ), Max= 1.10dBi

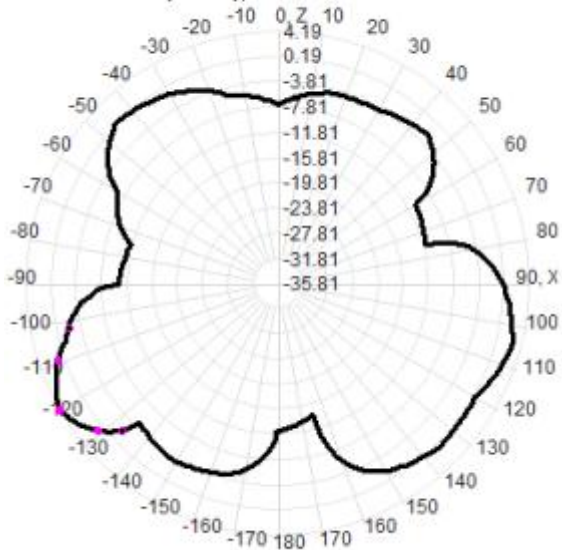


2450.0MHz H+V, Eff: 66.5%

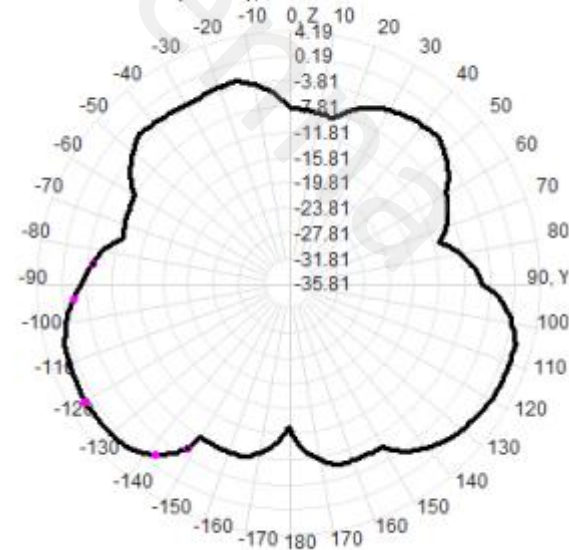
Back View



2450.0MHz Total(E1-XZ), Max= 4.19dBi

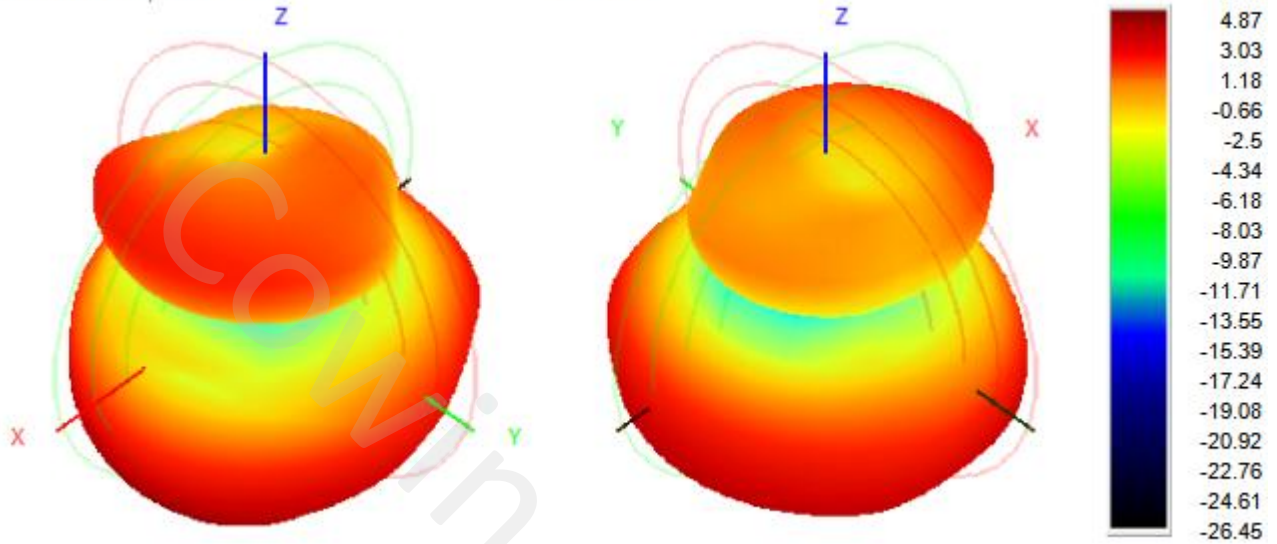


2450.0MHz Total(E2-YZ), Max= 1.54dBi

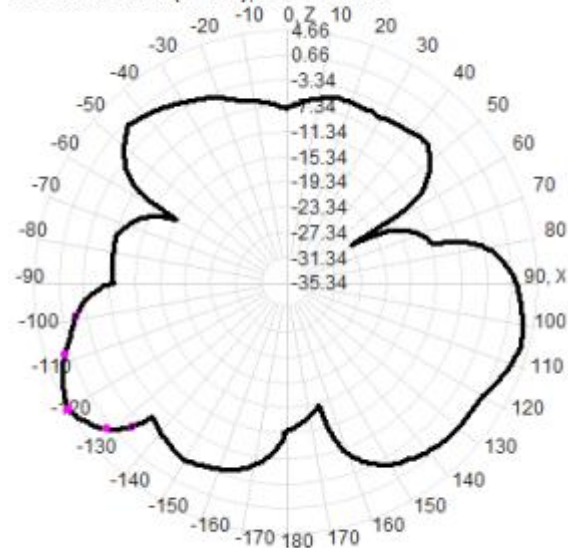


2500.0MHz H+V, Eff: 70.2%

Back View



2500.0MHz Total(E1-XZ), Max= 4.66dBi



2500.0MHz Total(E2-YZ), Max= 2.30dBi

