

CW-NZ-0002

2.4G U.FL Antenna

Key Features

Frequency:2.4-2.5G

I-PEX Connector

1.13 Cable

Dimensions 36mm

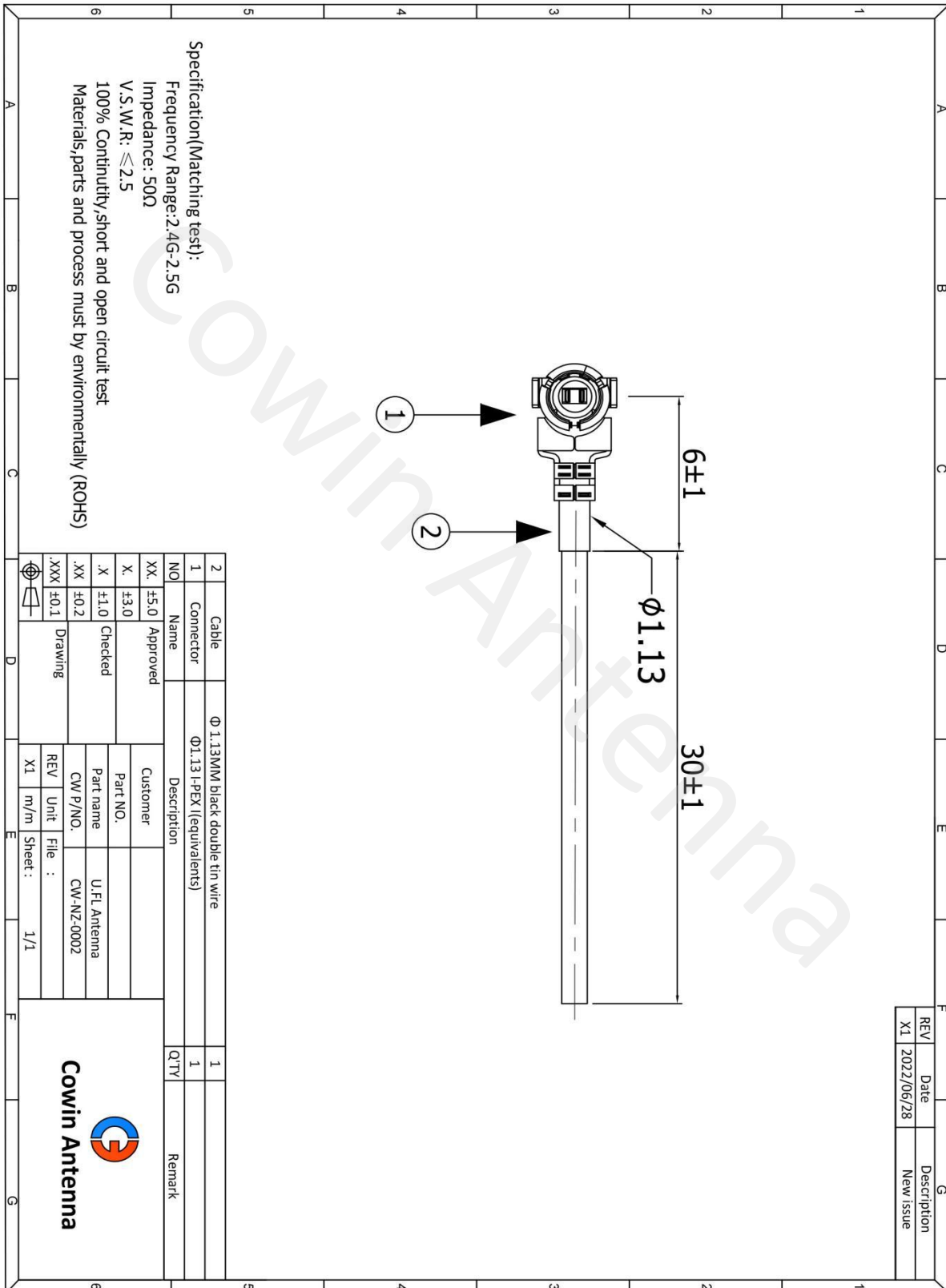


1. Antenna Electrical Characteristics

Band (MHz)	
Frequency (MHz)	2.4-2.5G
VSWR	2.5
Efficiency (%)	41.22%
Peak Gain (dBi)	2.19
Impedance (Ohm)	50
Polarisation	Vertical
Max. Input Power (W)	10
Connector Type	I-PEX

2. Material and environmental characteristics

External structure	N/A
Inner structure	Connector/Cable
Cable Type	RF1.13
Connector Type	I-PEX
Dimensions (mm)	36MM
Antenna color	N/A
Operation Temperature	-40 to +80
Storage Temperature	-40 to +80
Antenna Storage life(year)	10
Substance Compliance	ROHS



4. Antenna test parameters

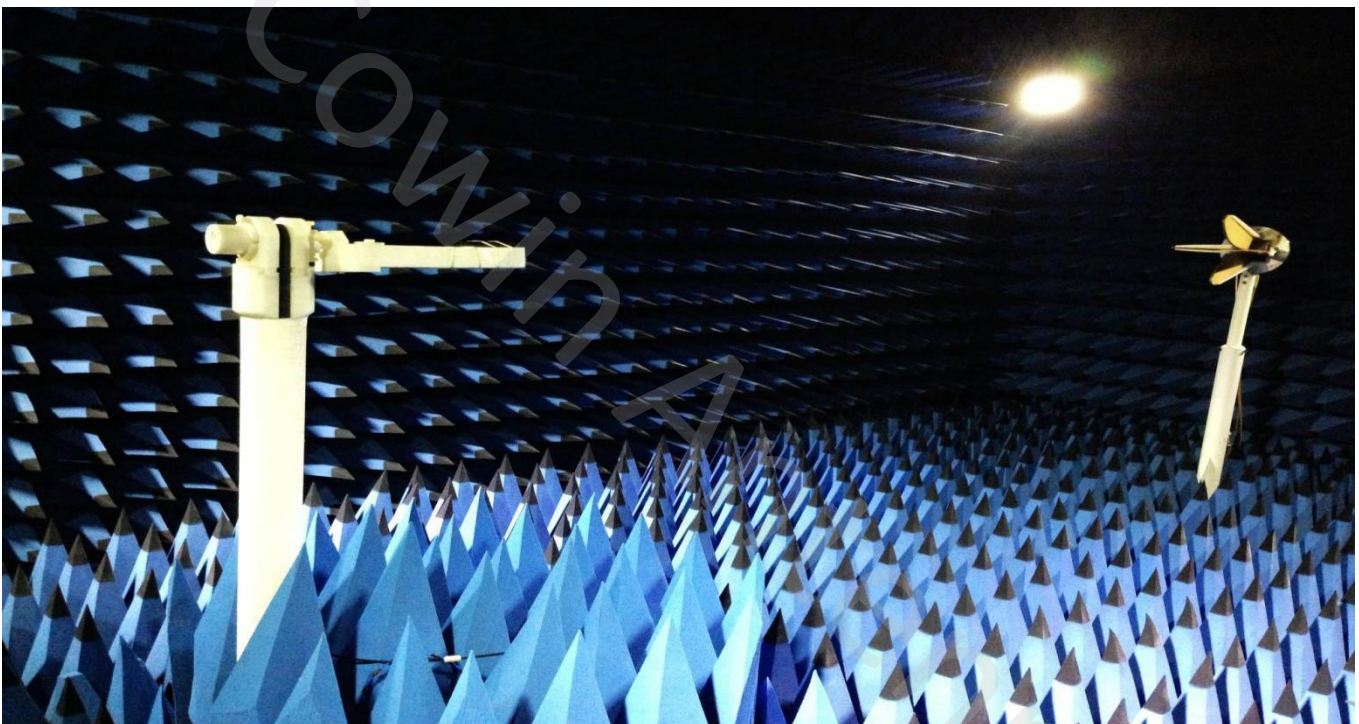
Antenna Measurement Conditions:

Mounted on Ground Plane of 280 x 80 mm

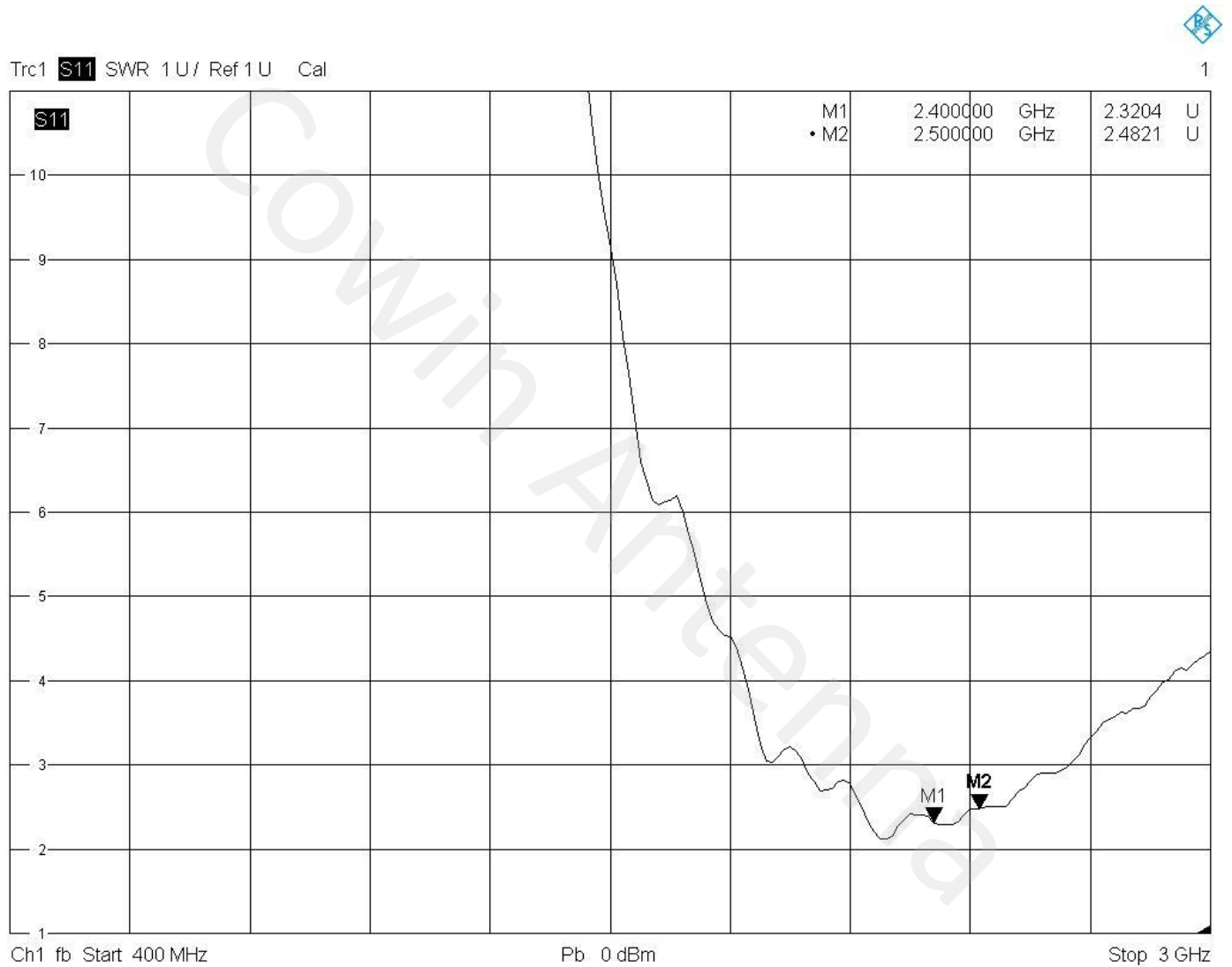
Measured in Certified 3D Anechoic Chamber

The network analyzer is Agilent 5071c

The comprehensive tester is Agilent cmv500

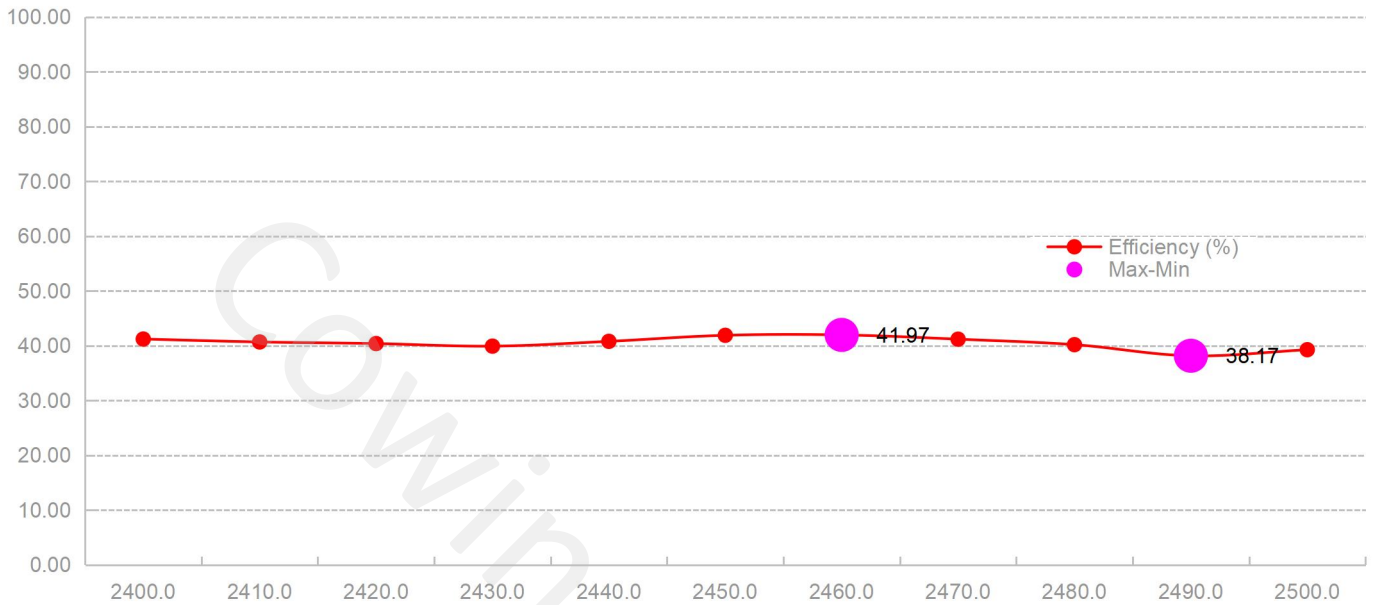


4.1 VSWR

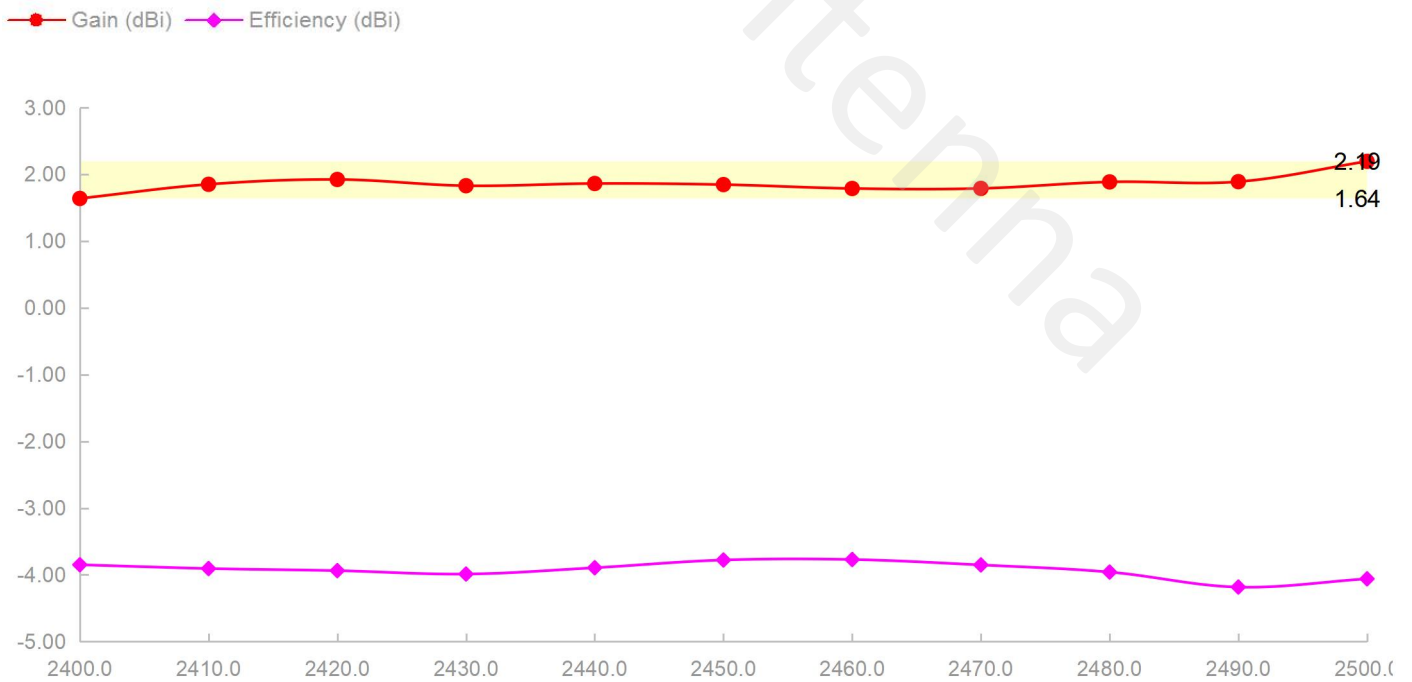


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4.2 Efficiency



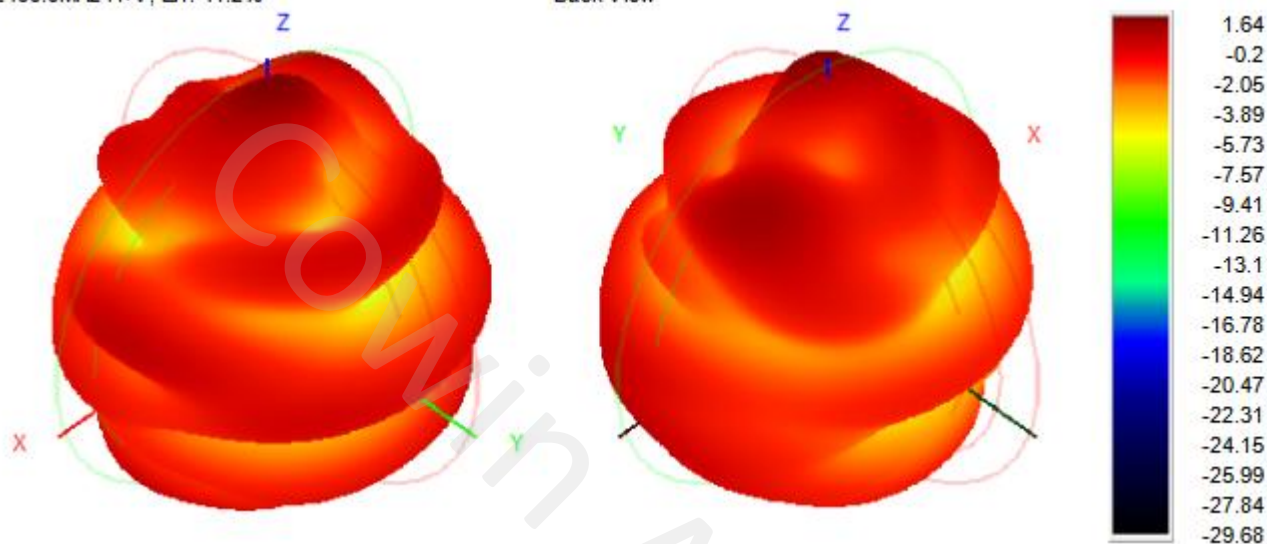
4.3 Peak gain



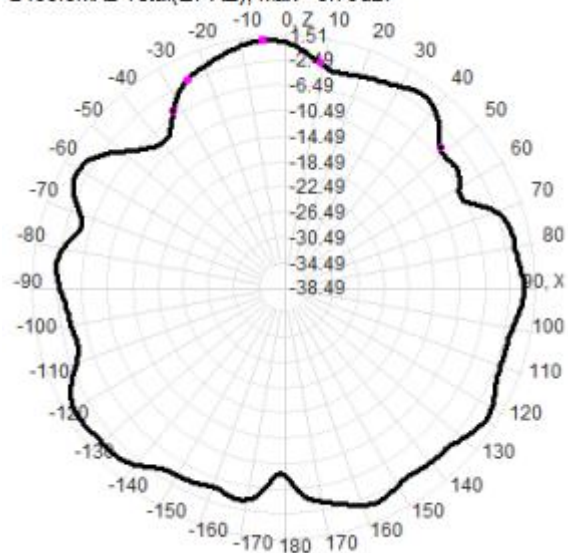
4.4 3D&2D Radiation Patterns

2400.0MHz H+V, Eff: 41.2%

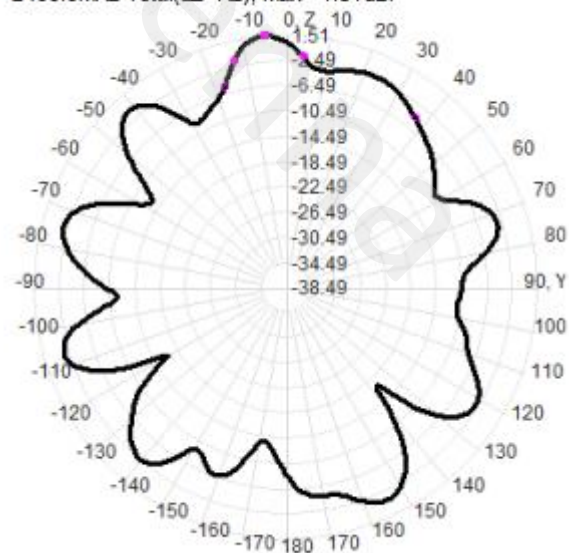
Back View



2400.0MHz Total(E1-XZ), Max= 0.78dBi

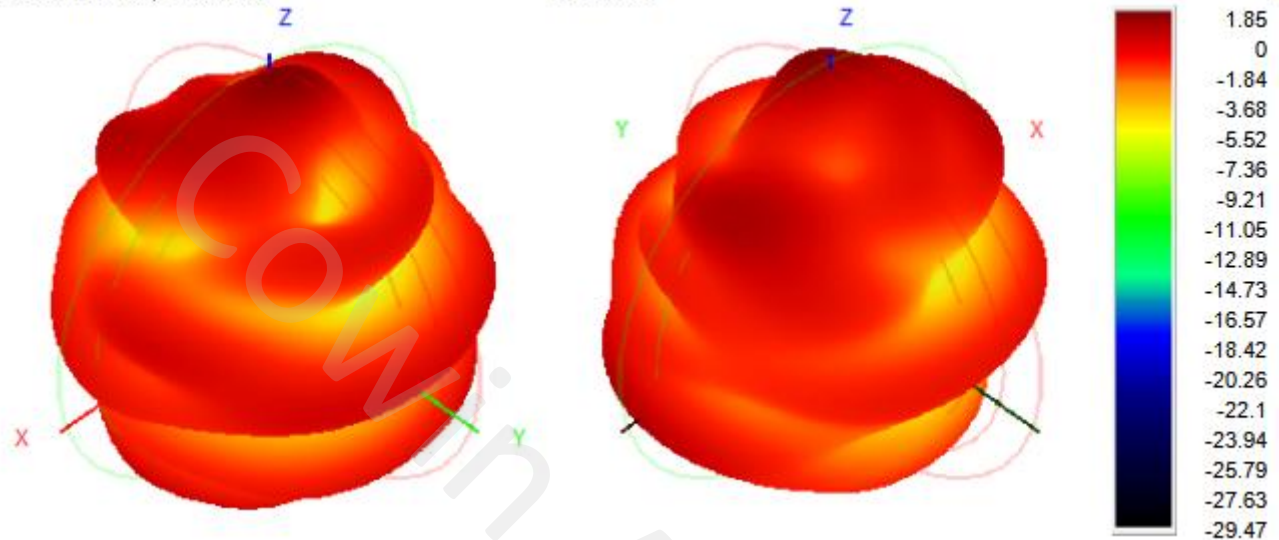


2400.0MHz Total(E2-YZ), Max= 1.51dBi

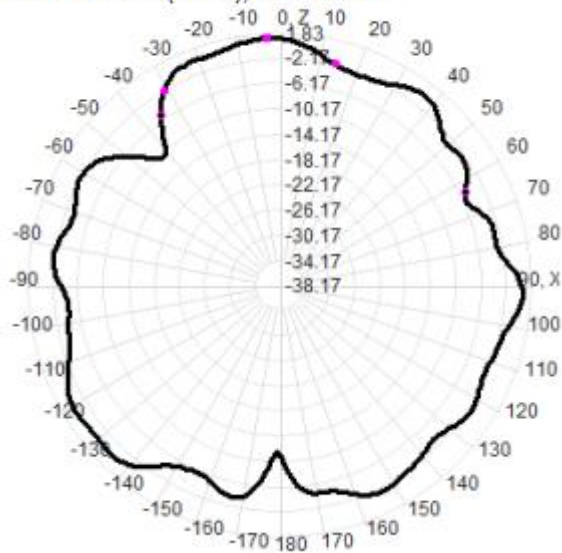


2450.0MHz H+V, Eff: 41.9%

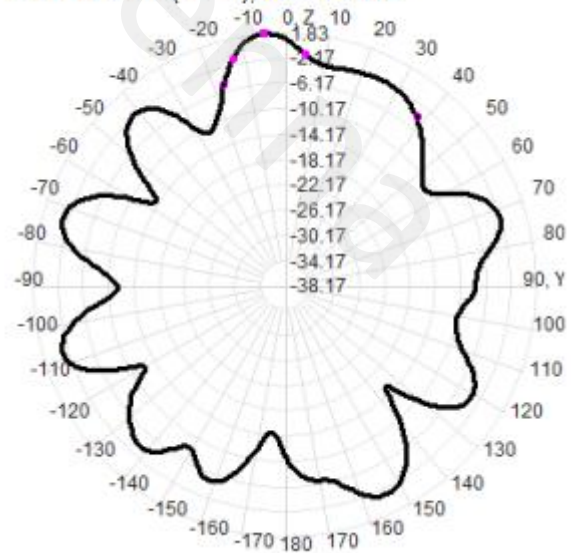
Back View



2450.0MHz Total(E1-XZ), Max= 1.01dBi

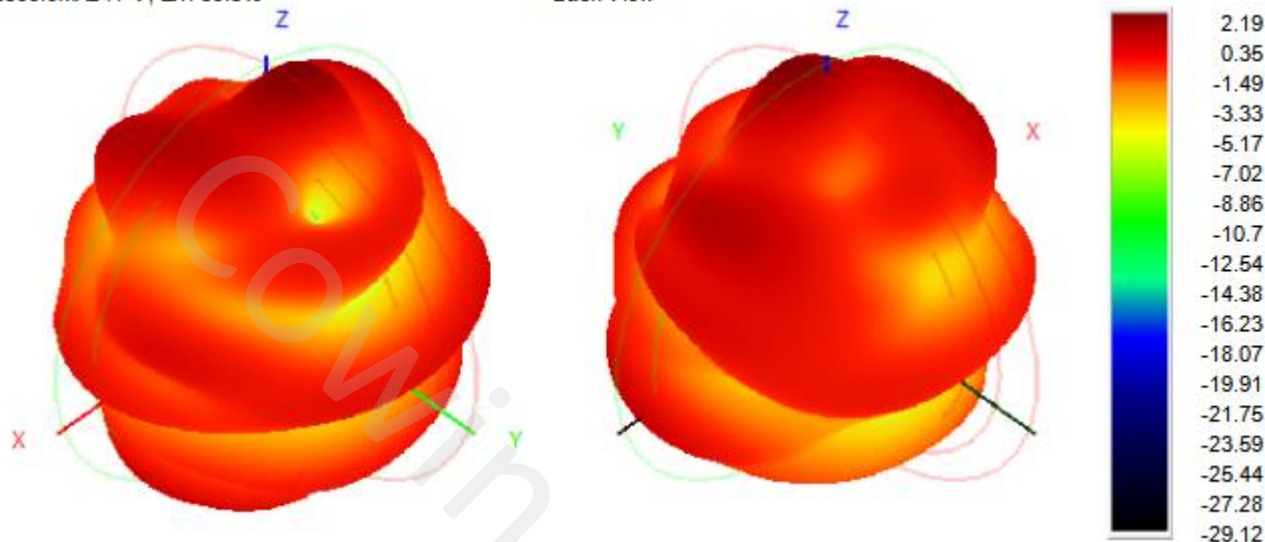


2450.0MHz Total(E2-YZ), Max= 1.83dBi

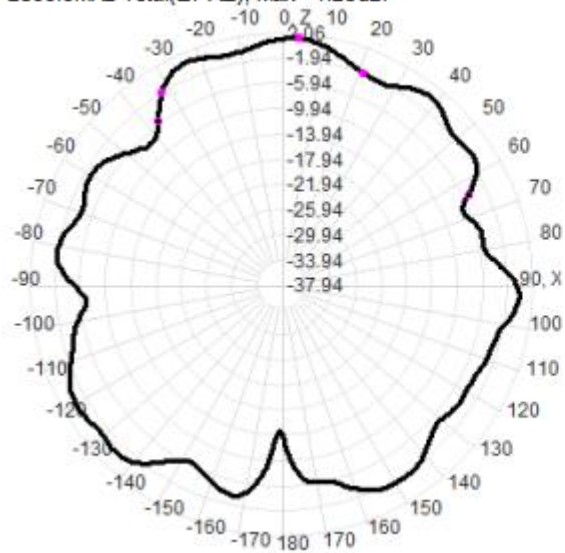


2500.0MHz H+V, Eff: 39.3%

Back View



2500.0MHz Total(E1-XZ), Max= 1.25dBi



2500.0MHz Total(E2-YZ), Max= 2.06dBi

