

CW-WZ-0084

2.4/5.8G External Antenna

Key Features

Frequency: 2.4-2.5G/5.15-5.85G

SMA Male Connector

External Rubber

Dimensions 195*13 mm

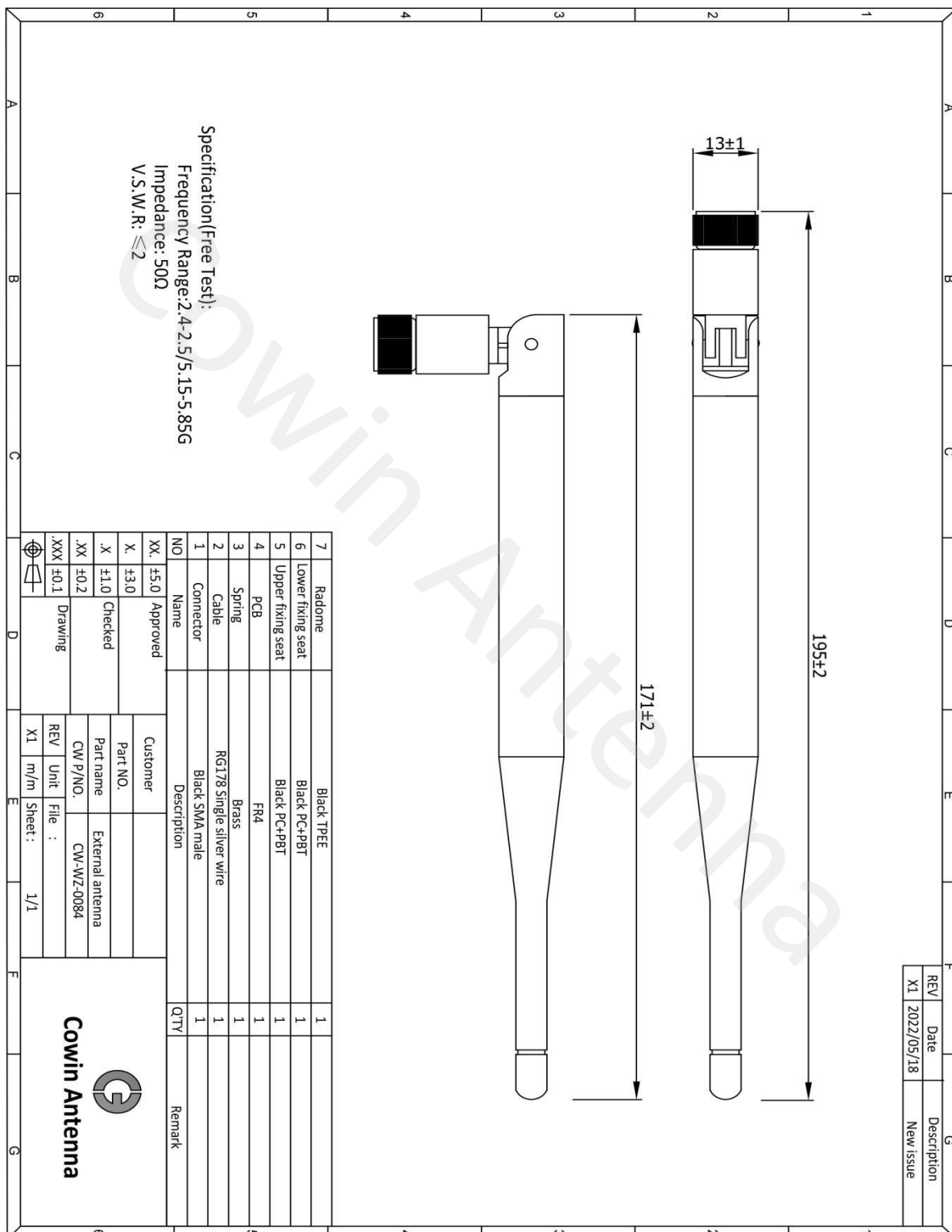


1. Antenna Electrical Characteristics

Band (MHz)		
Frequency (MHz)	2.4-2.5G	5.15-5.85G
VSWR	2:1	
Efficiency (%)	63.05%	68.27%
Peak Gain (dBi)	3.52	4.99
Impedance (Ohm)	50	
Polarisation	Vertical	
Max. Input Power (W)	10	
Connector Type	SMA Male	

2. Material and environmental characteristics

Inner structure	PCB/Spring
Material of Plastic	PC+PBT/TPEE
Cable Type	N/A
Connector Type	SMA Male
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

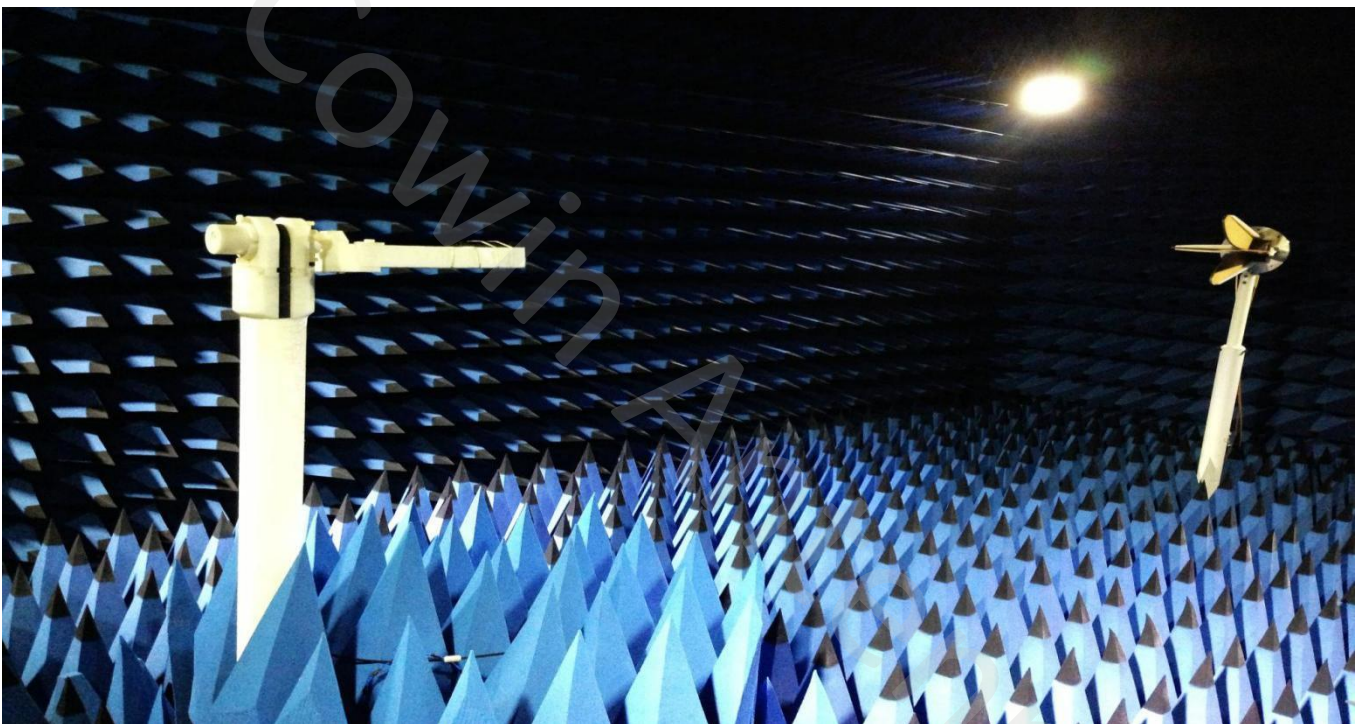
Antenna Measurement Conditions:

Mounted on Ground Plane of 280 x 80 mm

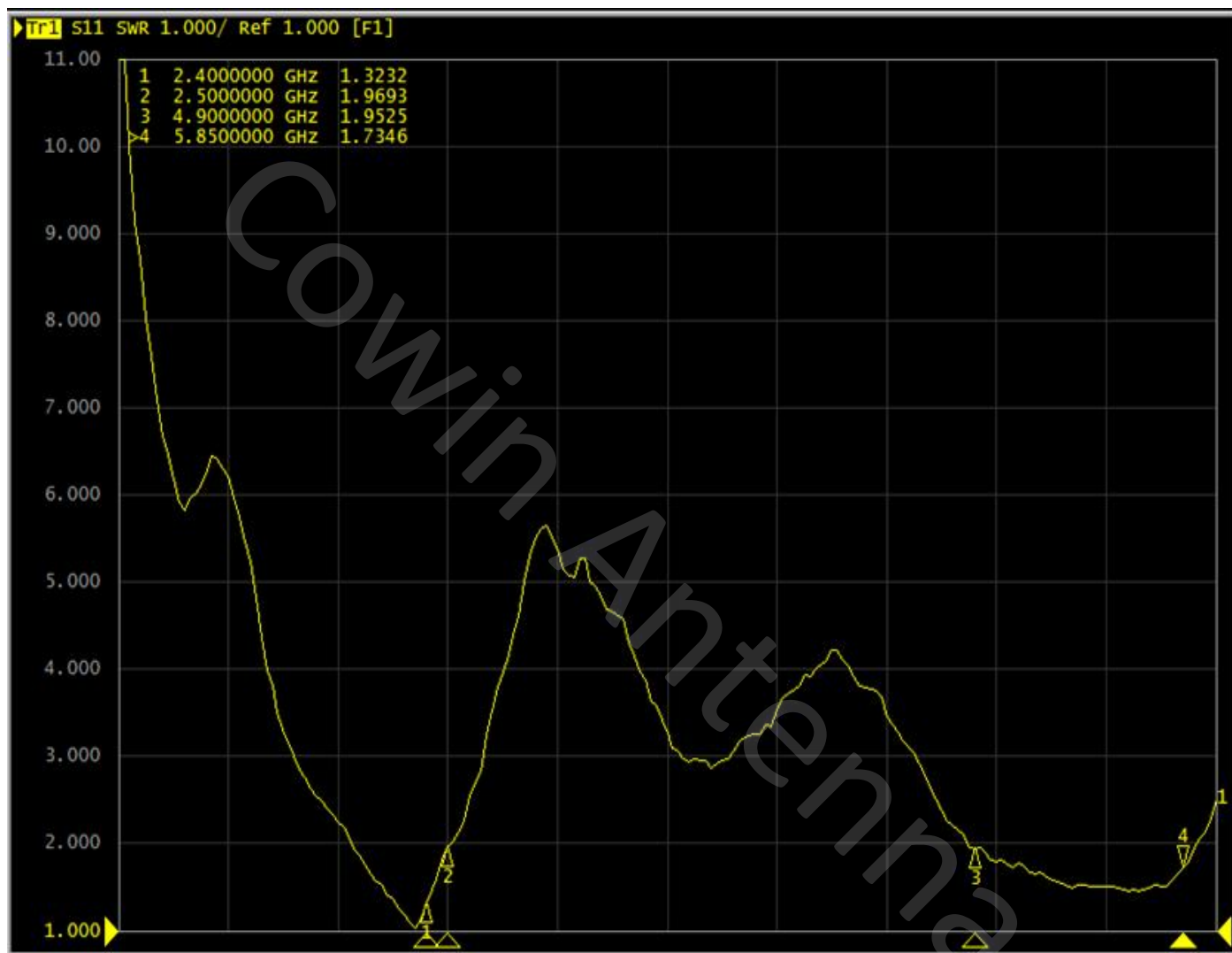
Measured in Certified 3D Anechoic Chamber

The network analyzer is Agilent 5071c

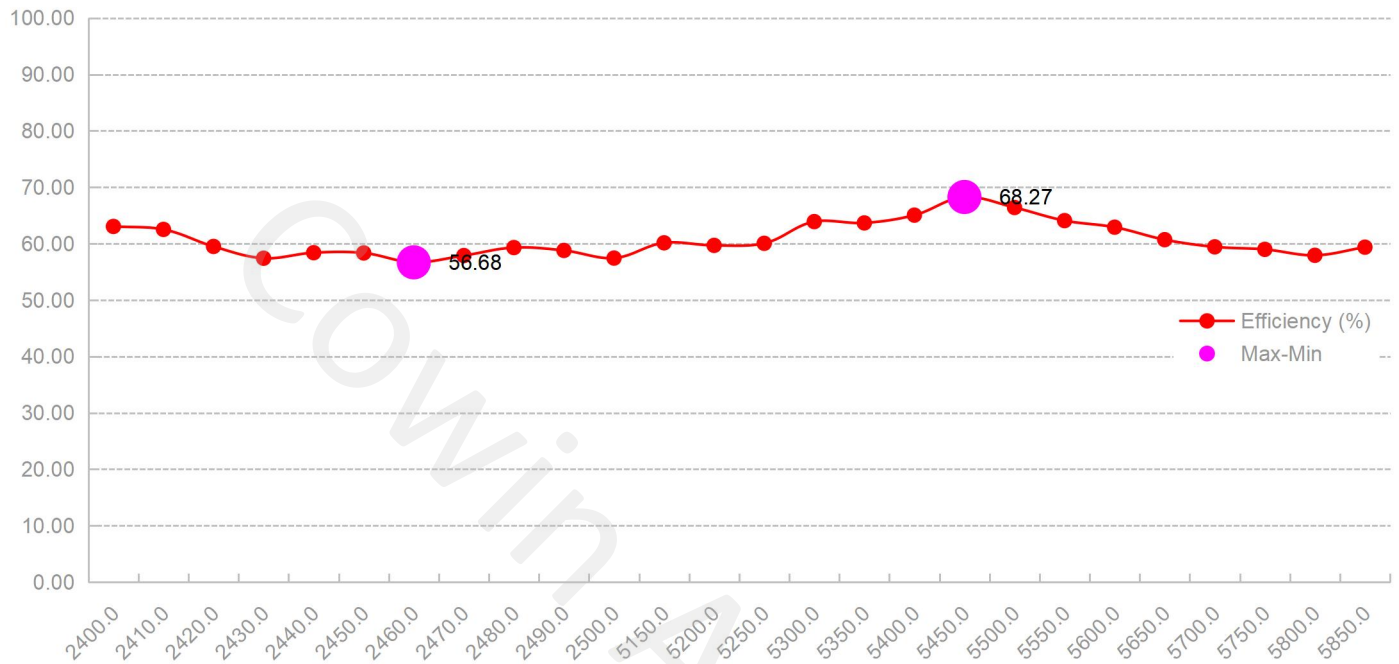
The comprehensive tester is Agilent cmv500



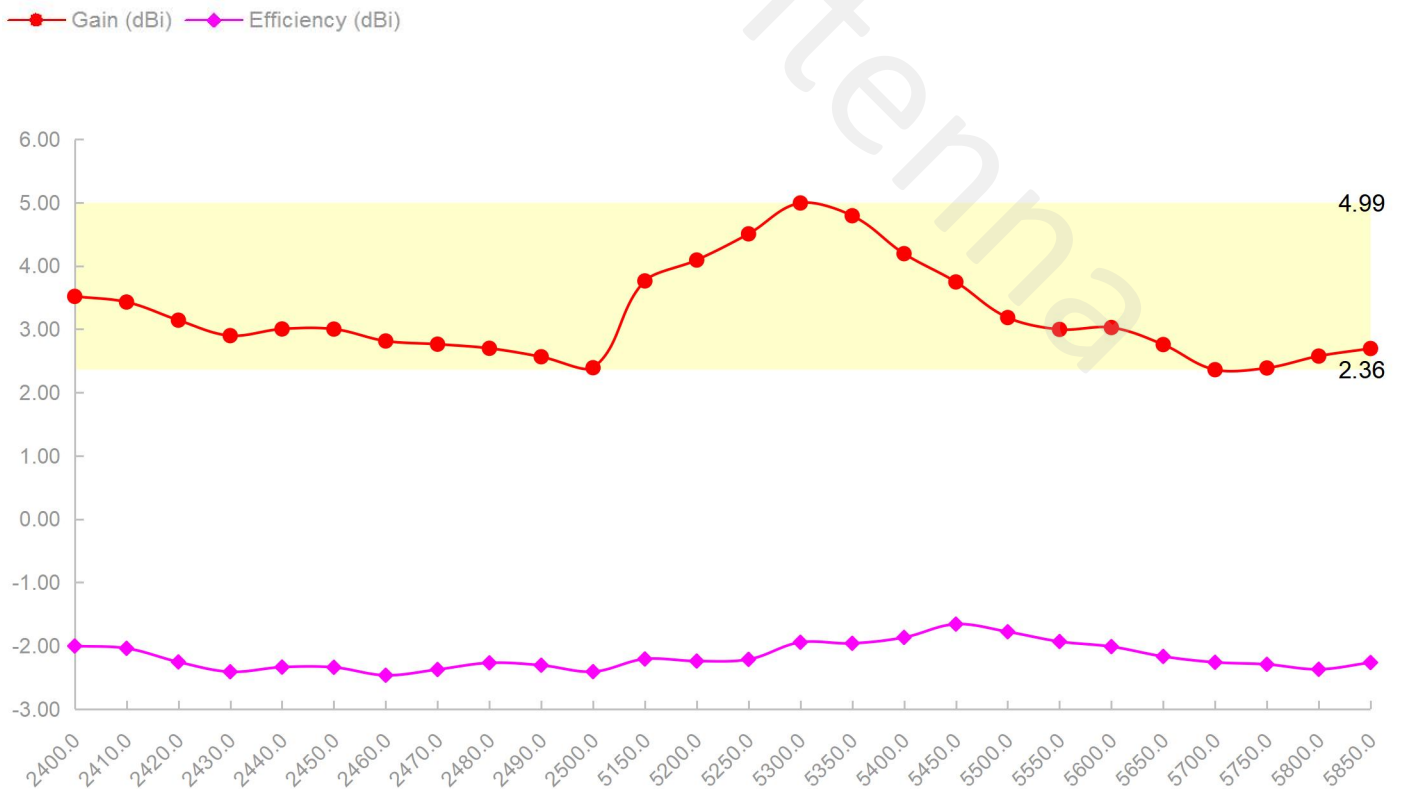
4.1 VSWR



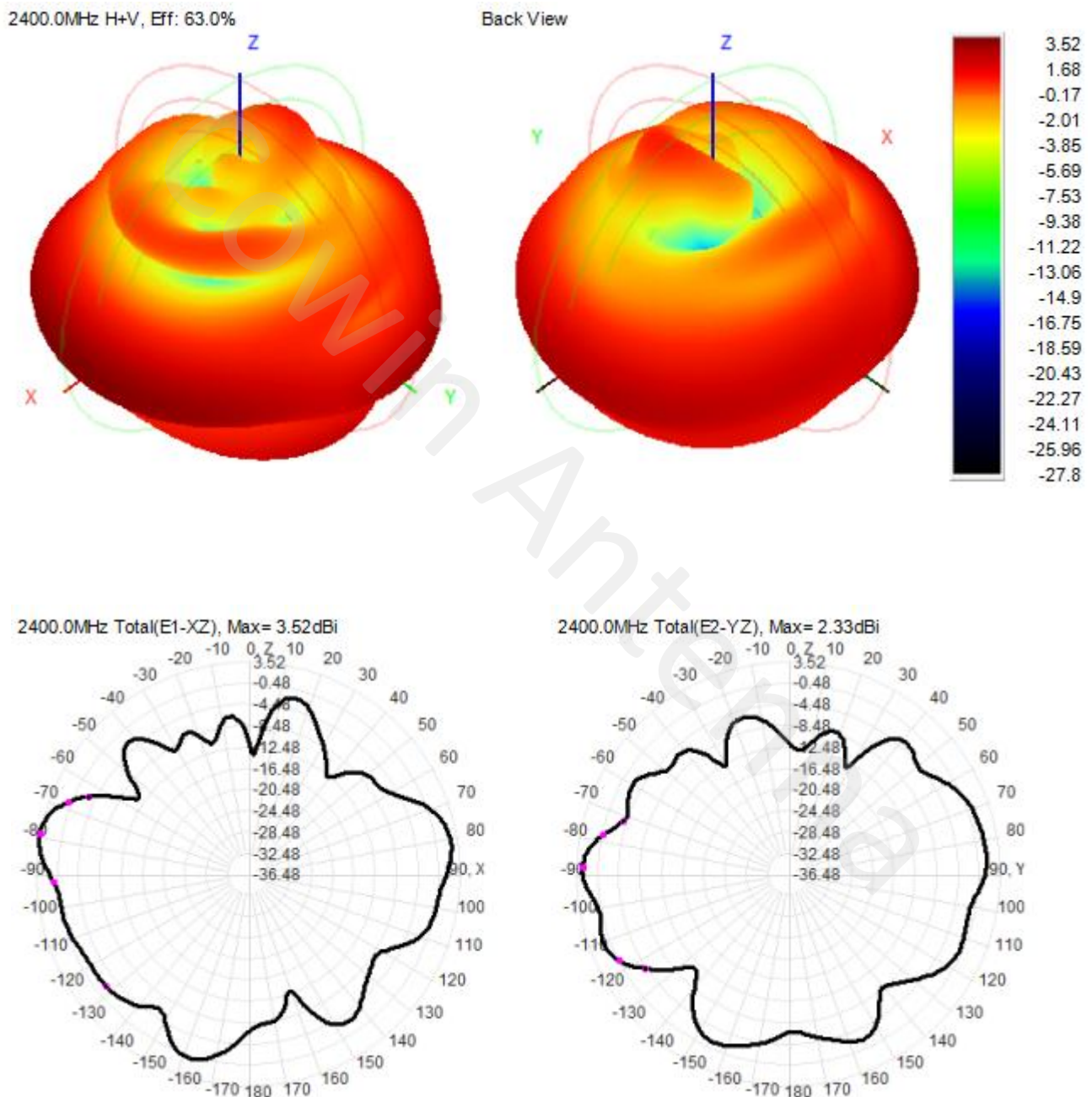
4.2 Efficiency



4.3 Peak gain

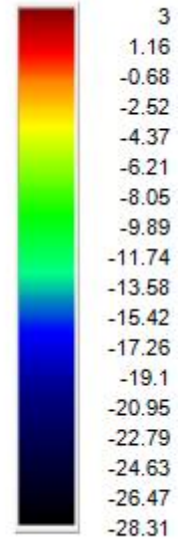
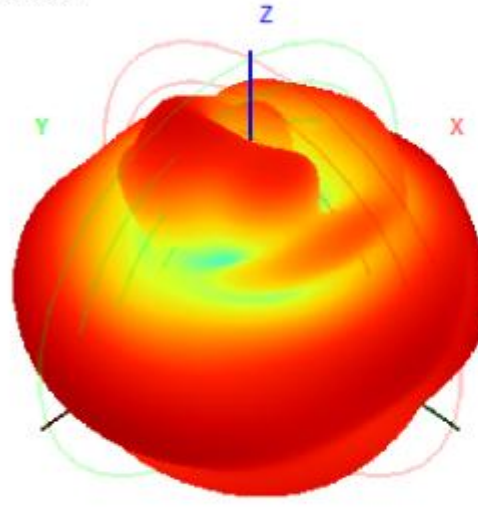
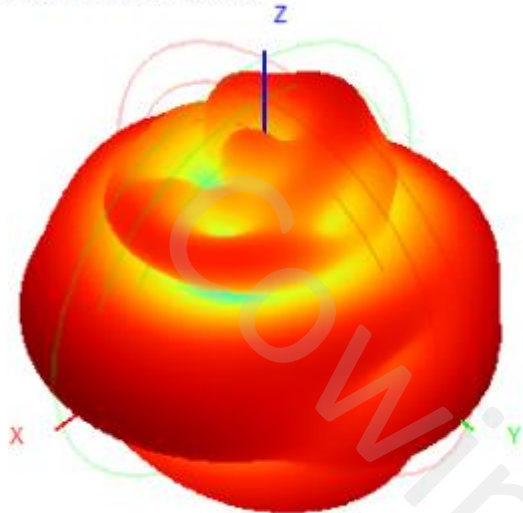


4.4 3D&2D Radiation Patterns

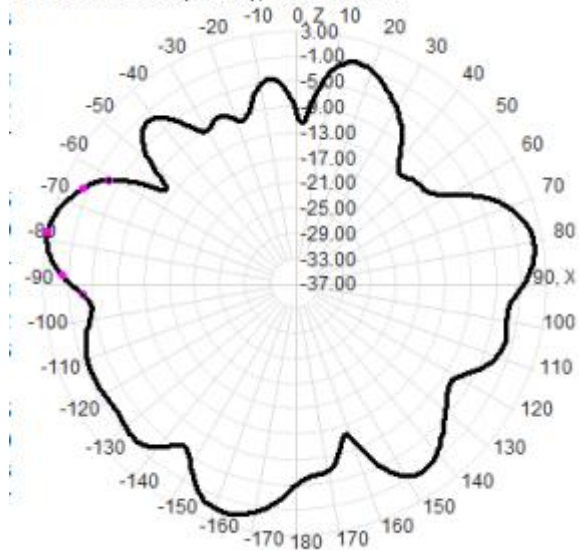


2450.0MHz H+V, Eff: 58.3%

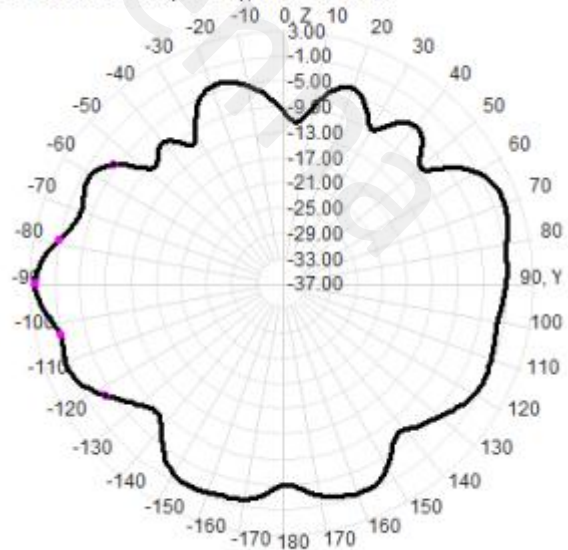
Back View



2450.0MHz Total(E1-XZ), Max= 3.00dBi

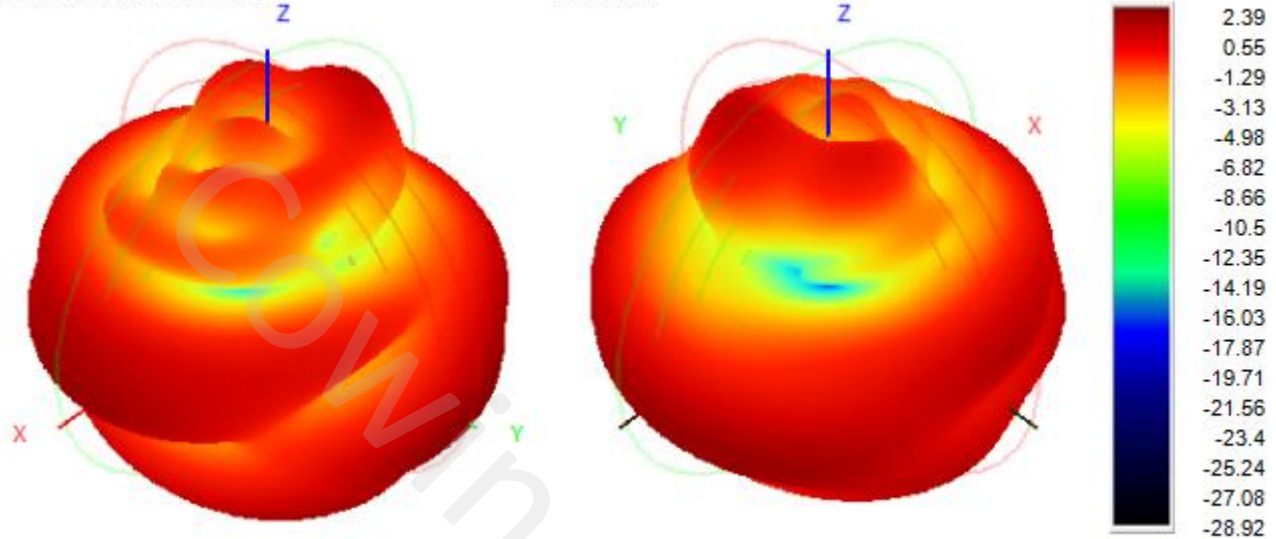


2450.0MHz Total(E2-YZ), Max= 2.12dBi



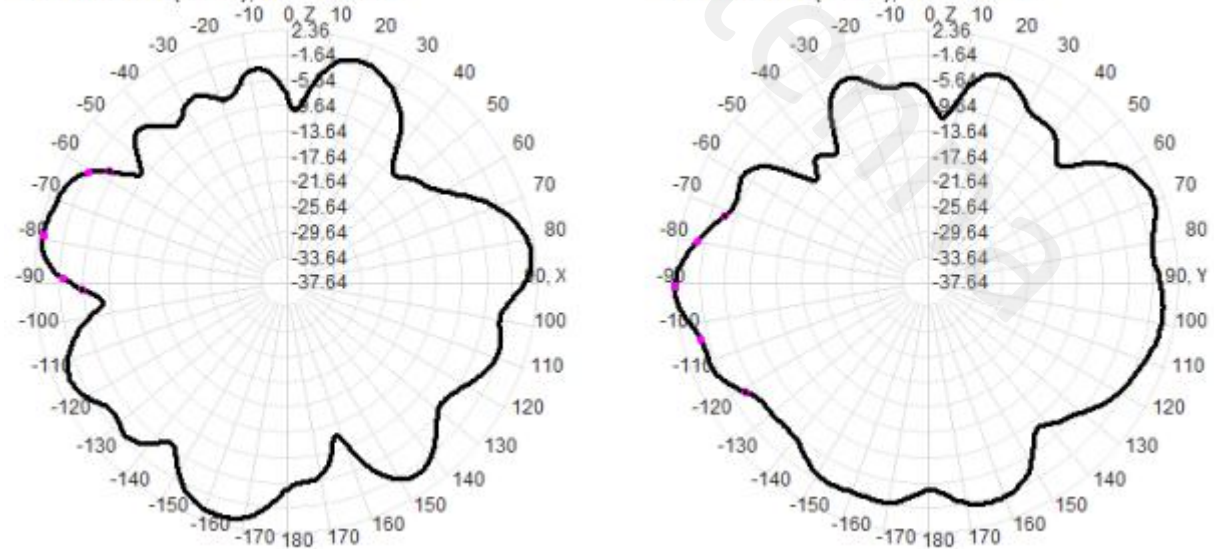
2500.0MHz H+V, Eff: 57.4%

Back View



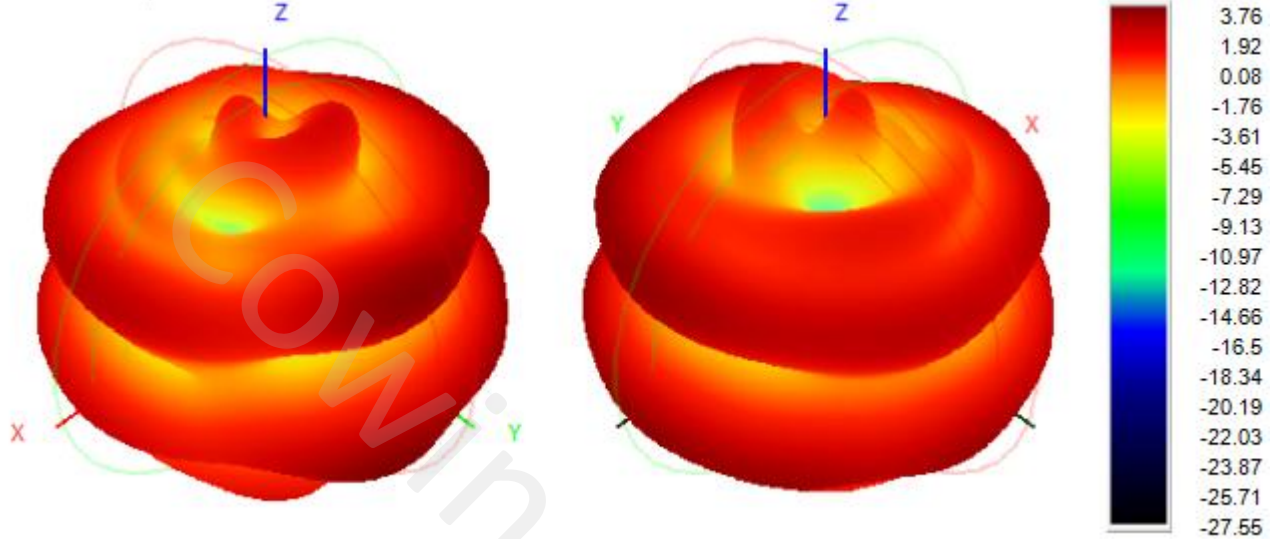
2500.0MHz Total(E1-XZ), Max= 1.57dBi

2500.0MHz Total(E2-YZ), Max= 2.33dBi



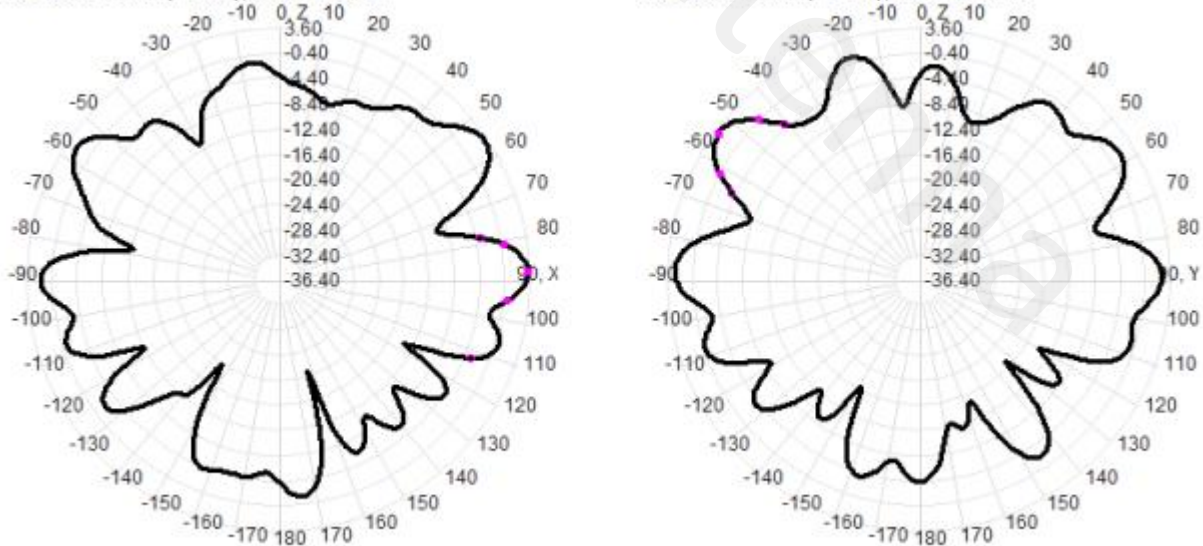
5150.0MHz H+V, Eff: 60.1%

Back View



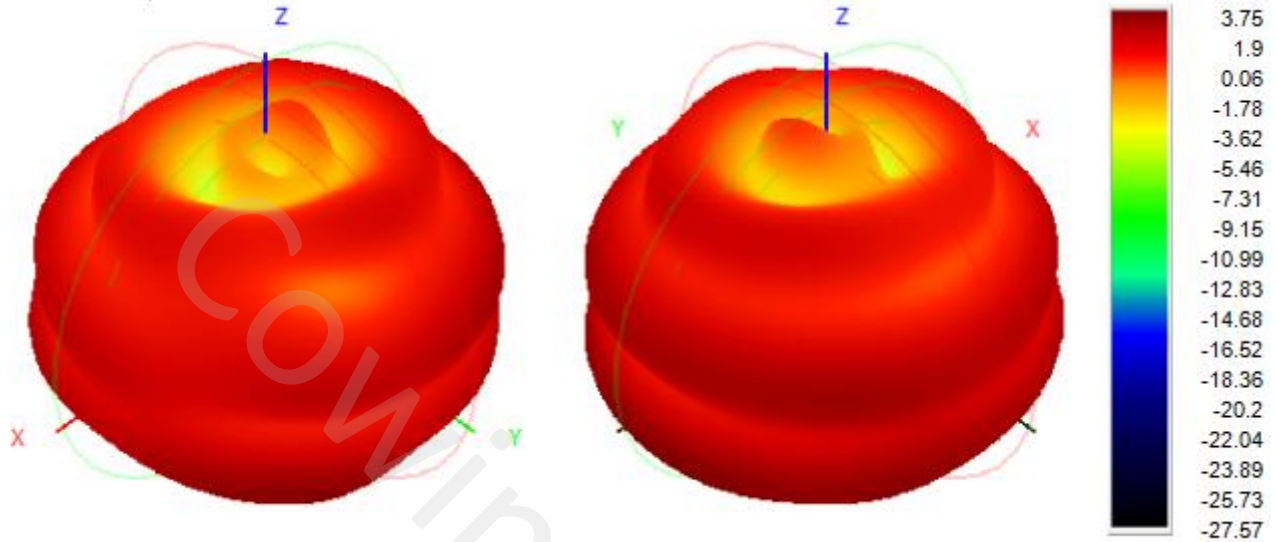
5150.0MHz Total(E1-XZ), Max= 3.17dBi

5150.0MHz Total(E2-YZ), Max= 3.00dBi



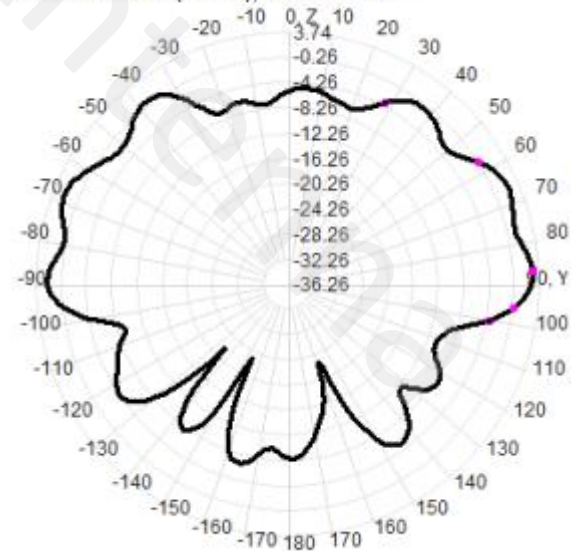
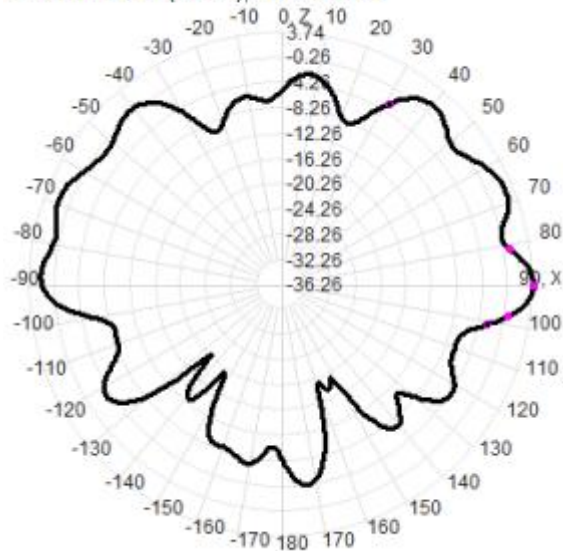
5450.0MHz H+V, Eff: 68.3%

Back View



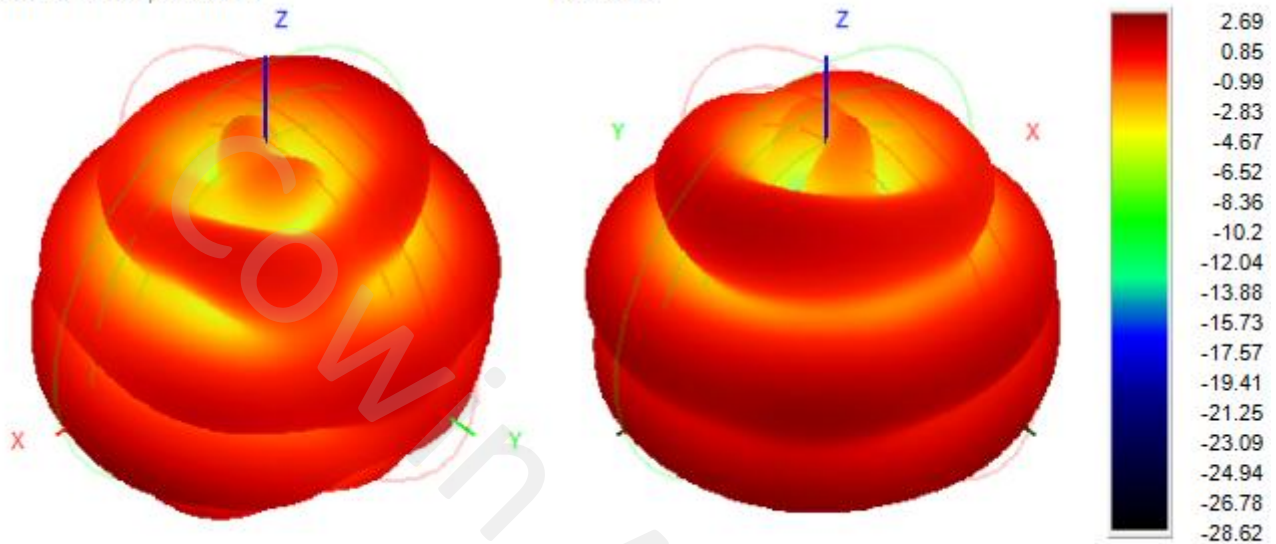
5450.0MHz Total(E1-XZ), Max= 3.67dBi

5450.0MHz Total(E2-YZ), Max= 2.54dBi

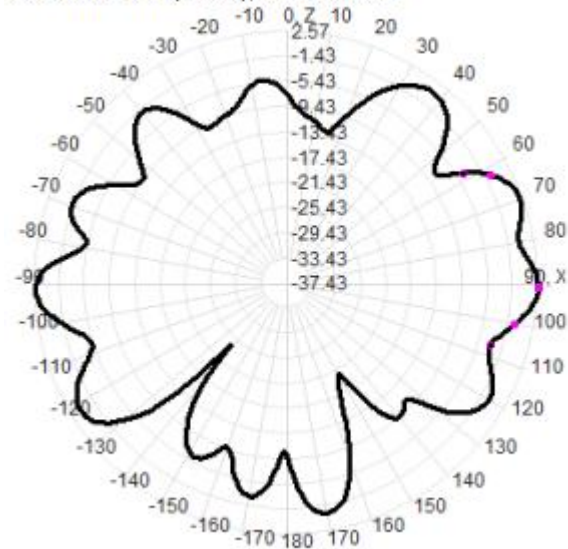


5850.0MHz H+V, Eff: 59.4%

Back View



5850.0MHz Total(E1-XZ), Max= 2.48dBi



5850.0MHz Total(E2-YZ), Max= 1.94dBi

