

CW-WZ-00061

2.4/5.8G External Antenna

Key Features

Frequency: 2.4G-2.5G/4.9G-5.85G

SMA Male Connector

External Rubber

Dimensions 76*8mm

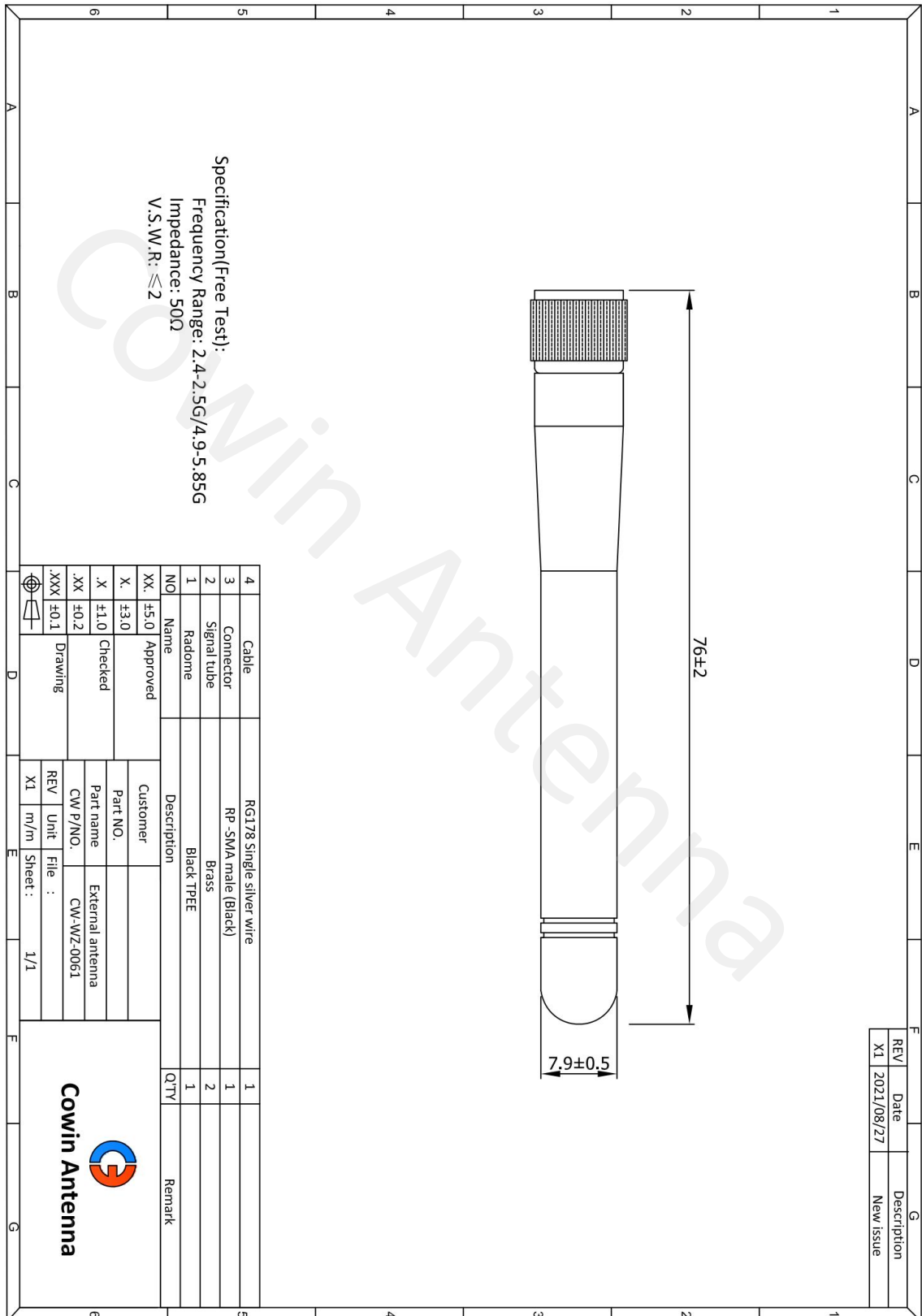


1. Antenna Electrical Characteristics

Band (MHz)		
Frequency (MHz)	2.4G-2.5G	4.9G-5.85G
VSWR	2:1	2:1
Efficiency (%)	72.84%	64.89%
Peak Gain (dBi)	2.43	3.56
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)	76*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

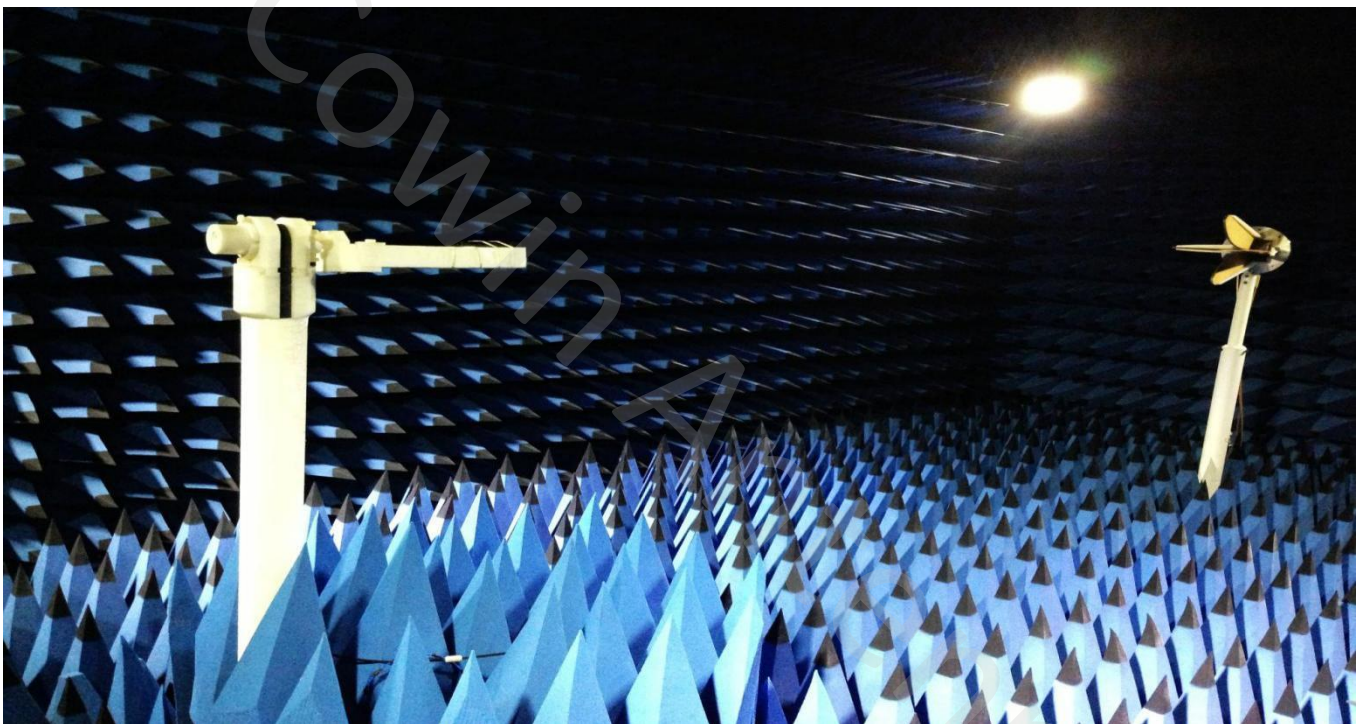
Antenna Measurement Conditions:

Mounted on Ground Plane of 280 x 80 mm

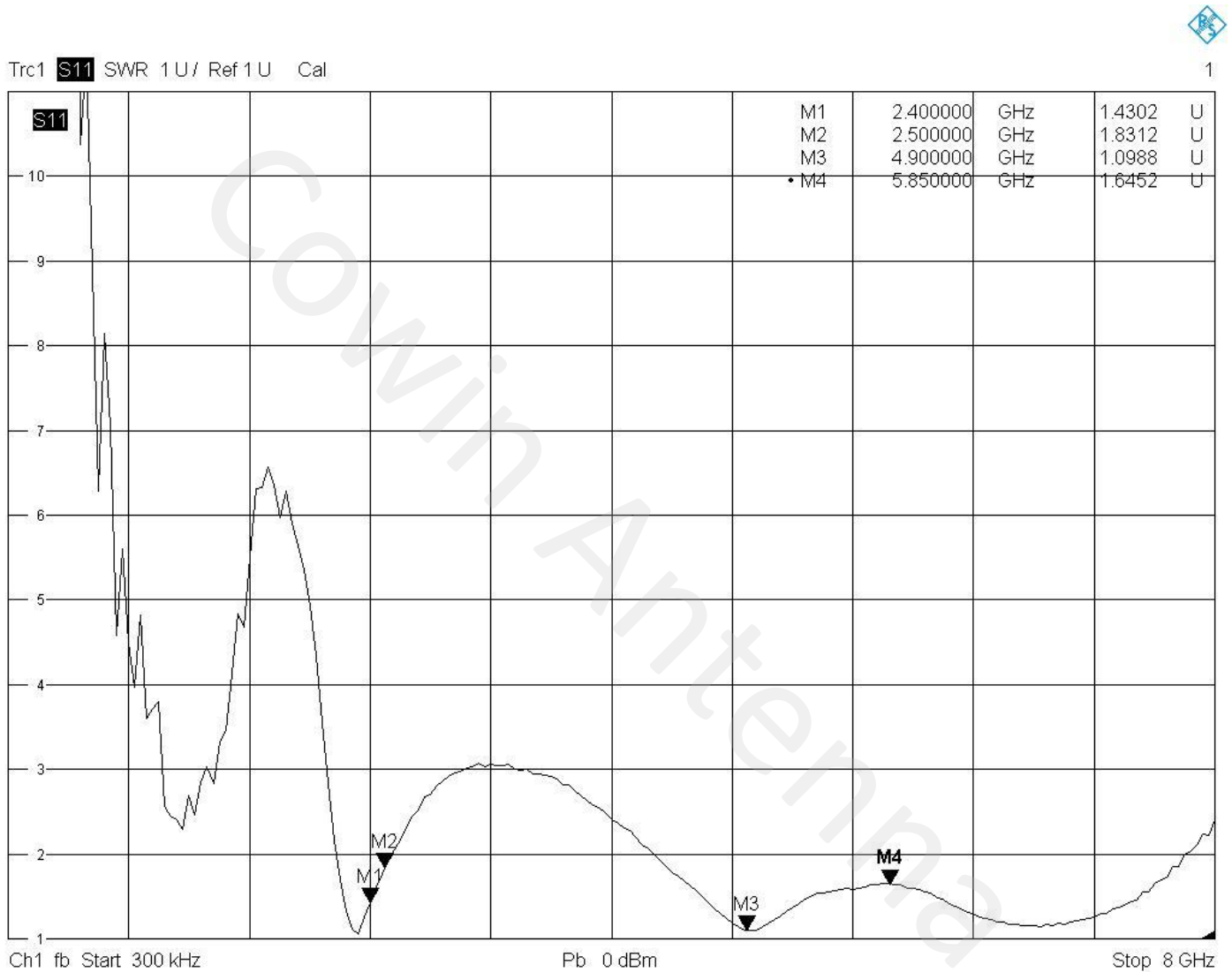
Measured in Certified 3D Anechoic Chamber

The network analyzer is Agilent 5071c

The comprehensive tester is Agilent cmv500

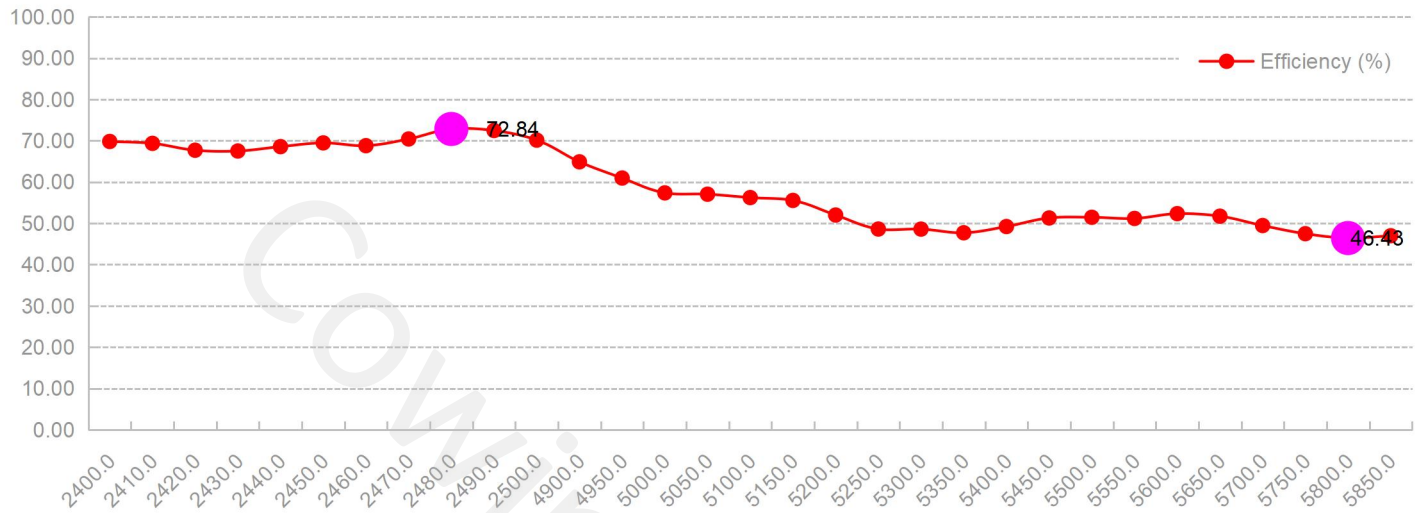


4.1 VSWR

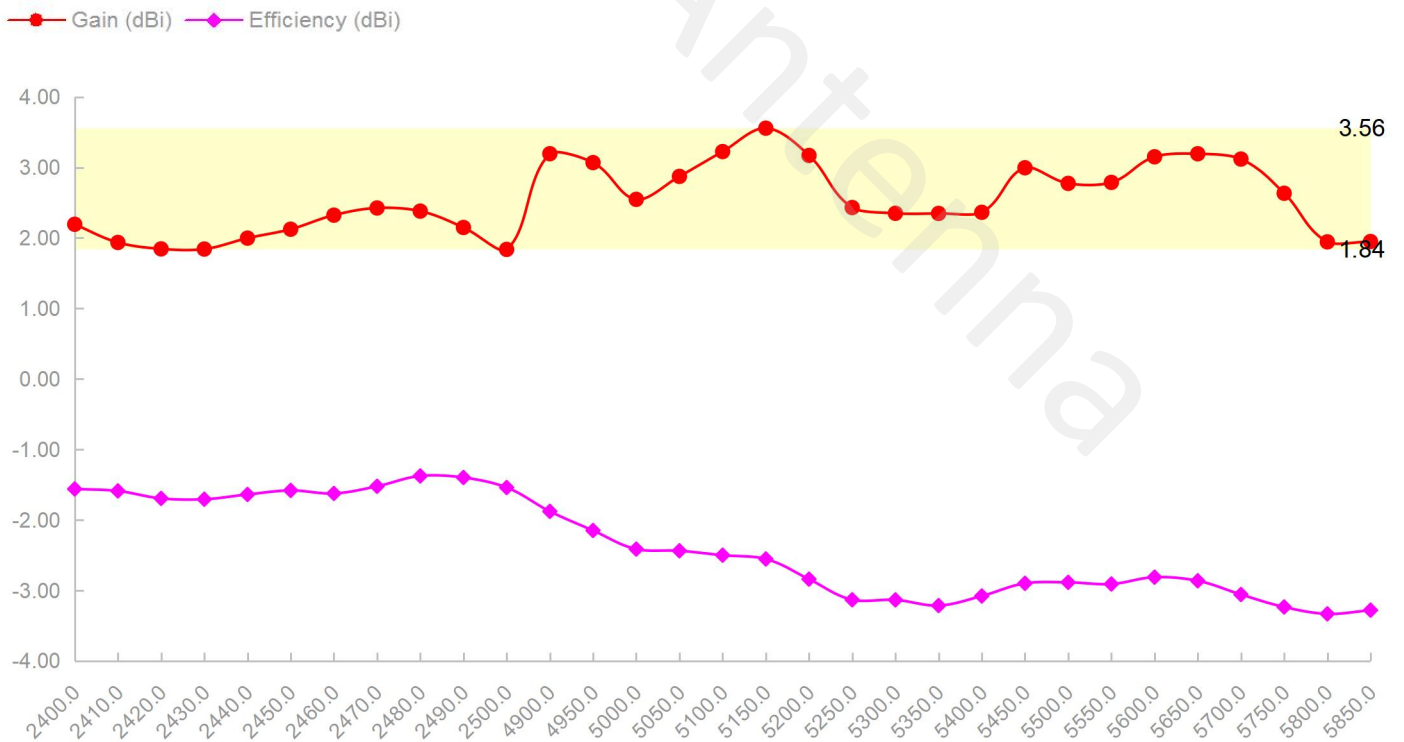


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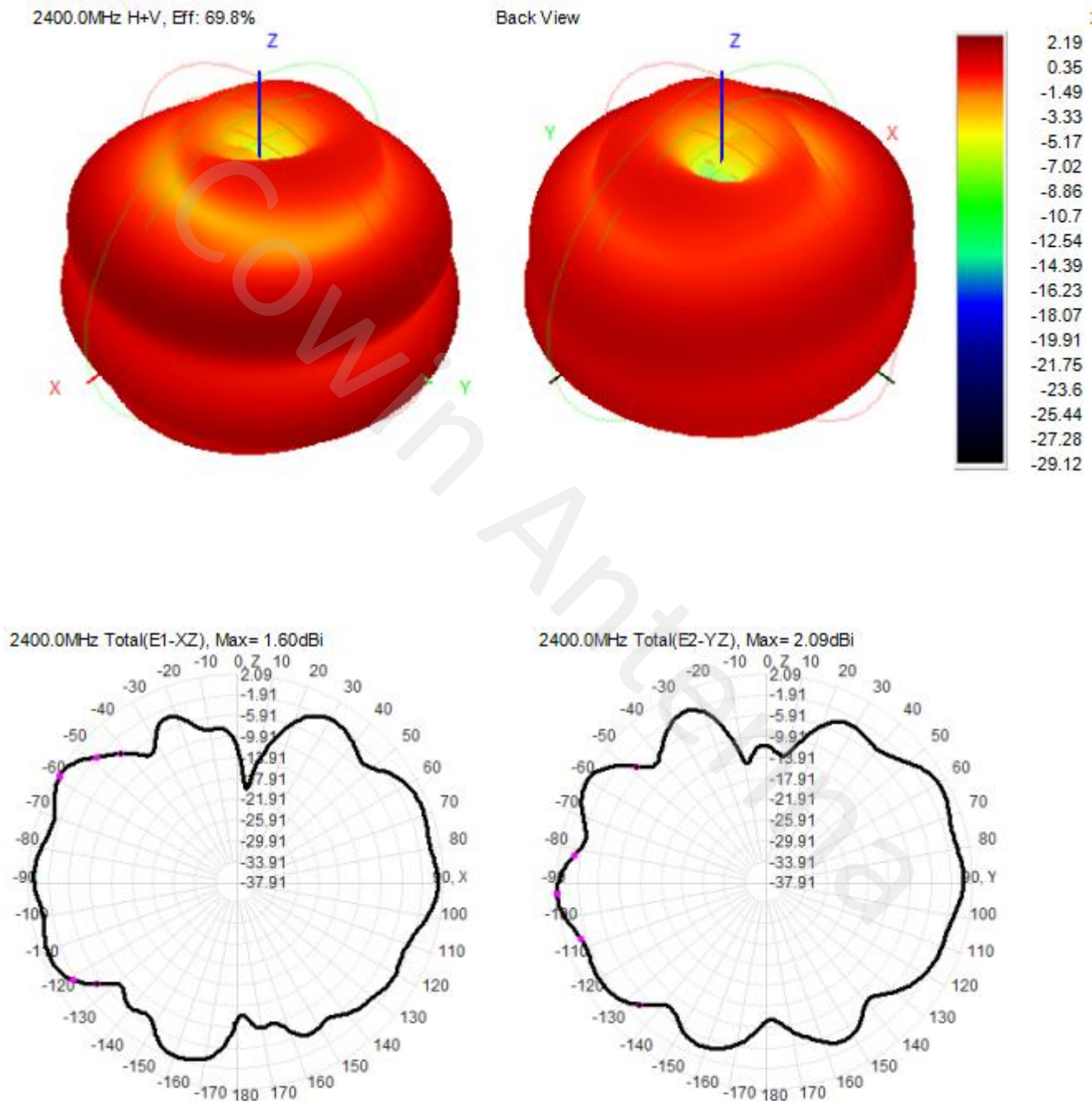
4.2 Efficiency



4.3 Peak gain

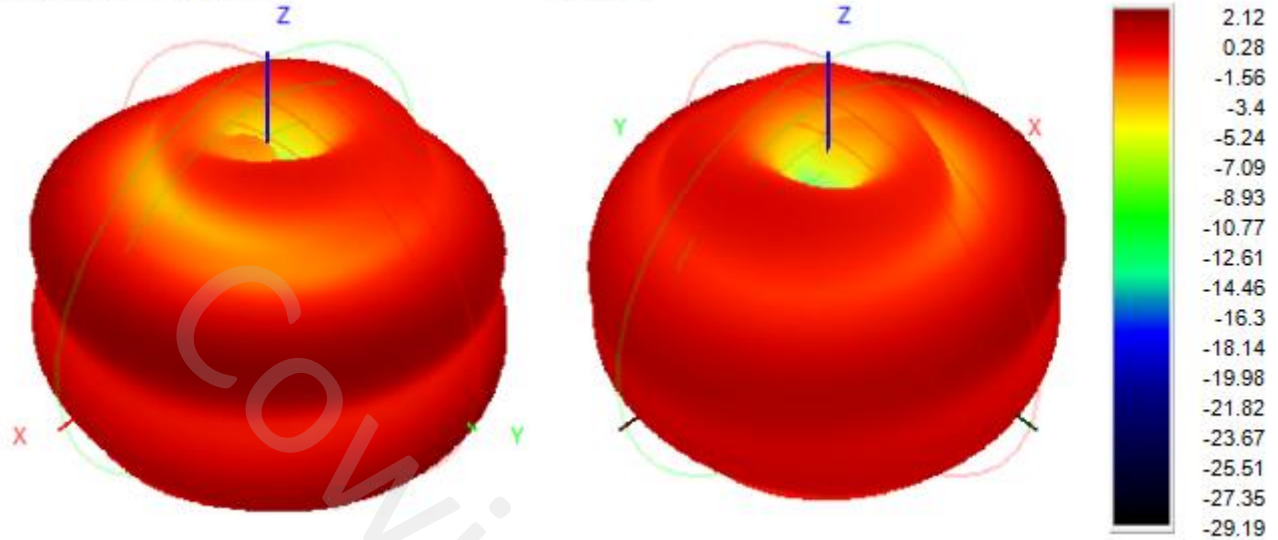


4.4 3D&2D Radiation Patterns



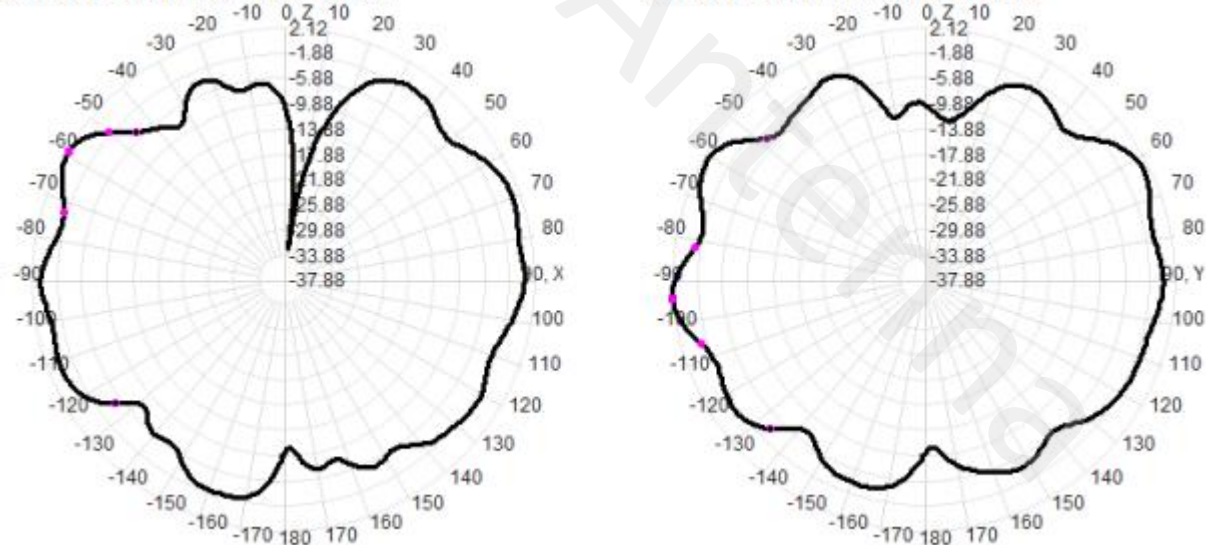
2450.0MHz H+V, Eff: 69.5%

Back View

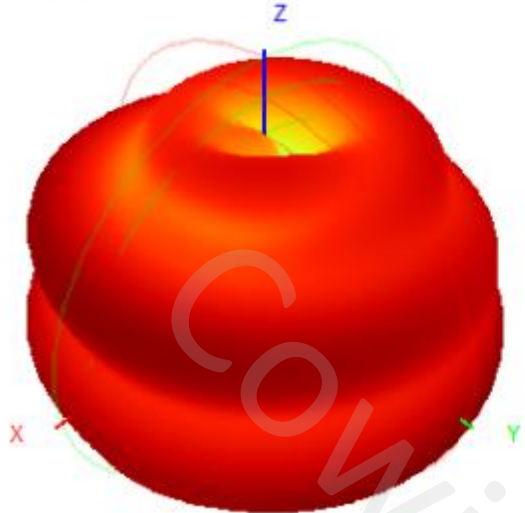


2450.0MHz Total(E1-XZ), Max= 1.82dBi

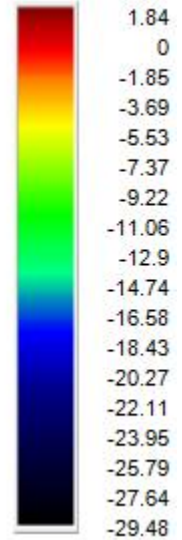
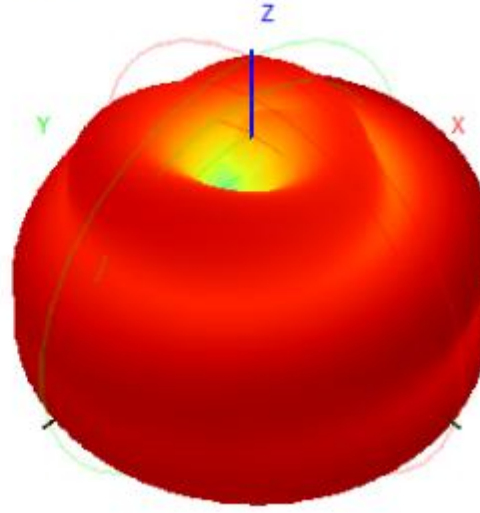
2450.0MHz Total(E2-YZ), Max= 2.12dBi



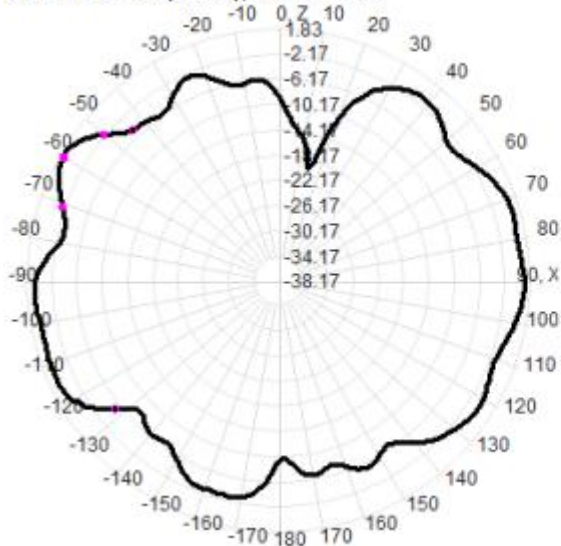
2500.0MHz H+V, Eff: 70.1%



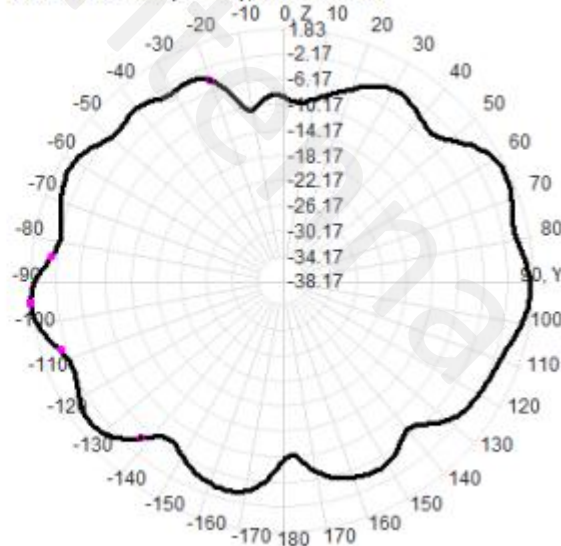
Back View



2500.0MHz Total(E1-XZ), Max= 1.29dBi

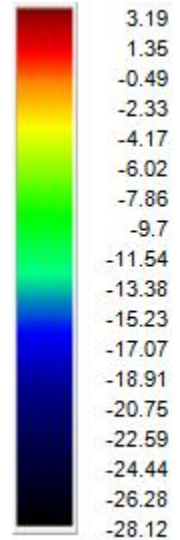
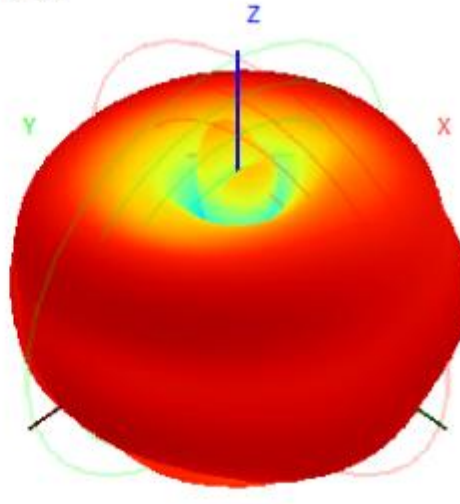
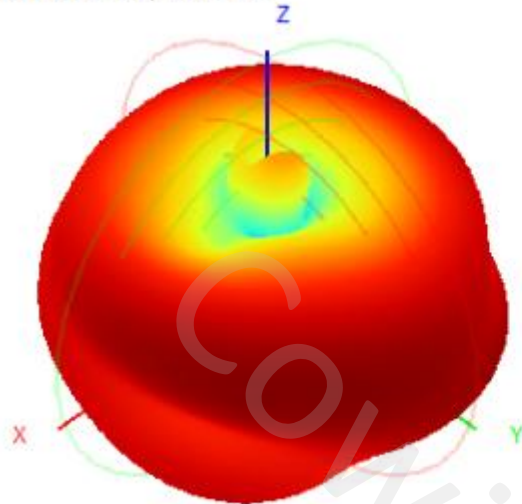


2500.0MHz Total(E2-YZ), Max= 1.83dBi

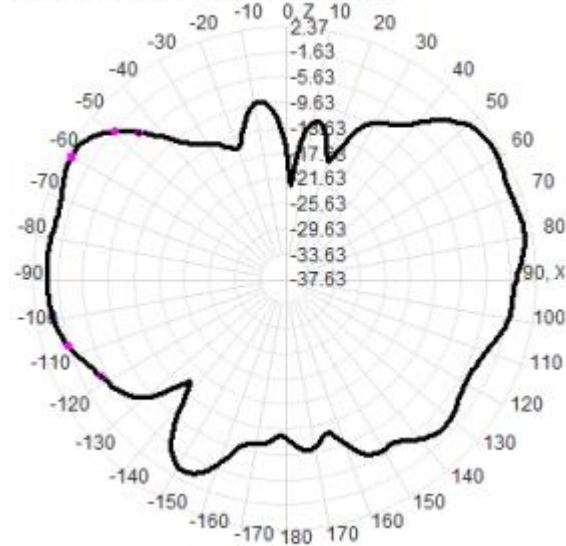


4900.0MHz H+V, Eff: 64.9%

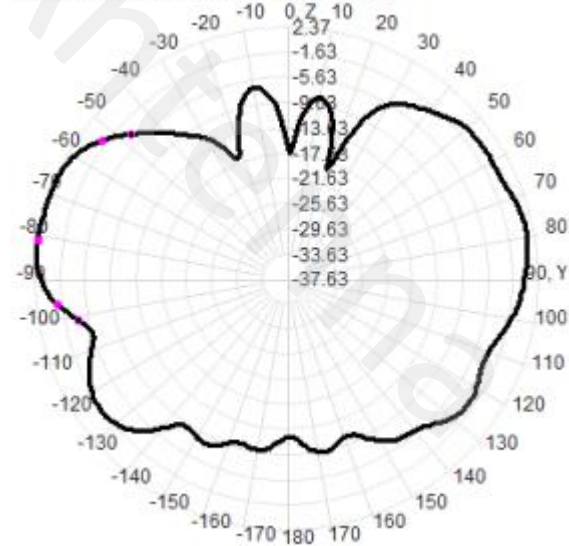
Back View



4900.0MHz Total(E1-XZ), Max= 1.38dBi

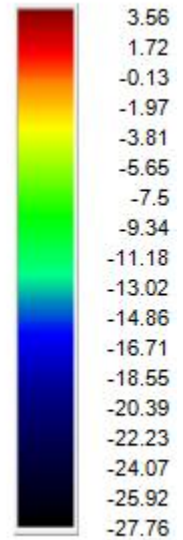
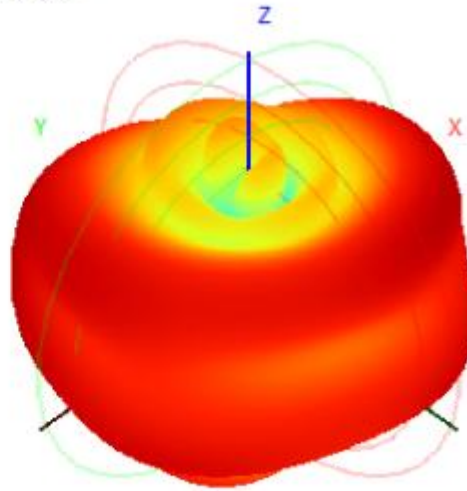
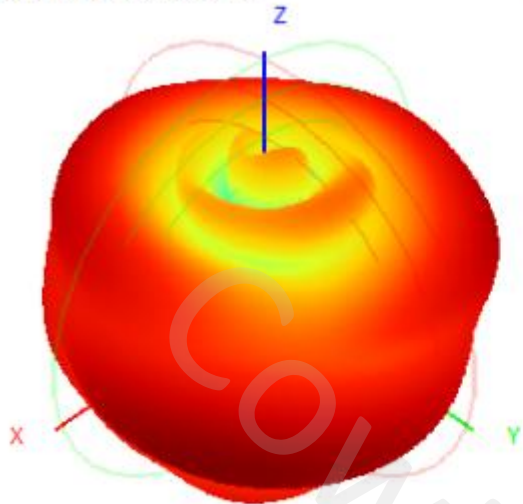


4900.0MHz Total(E2-YZ), Max= 2.37dBi

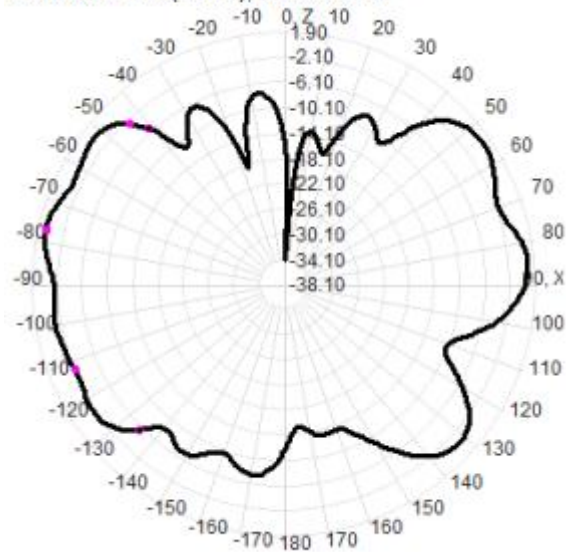


5150.0MHz H+V, Eff: 55.5%

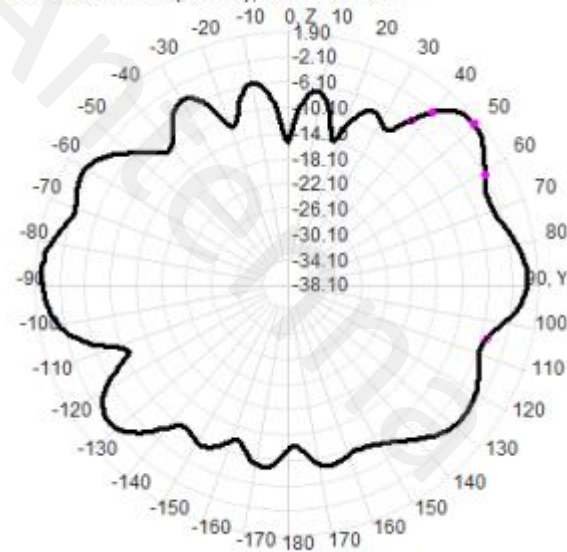
Back View



5150.0MHz Total(E1-XZ), Max= 0.68dBi

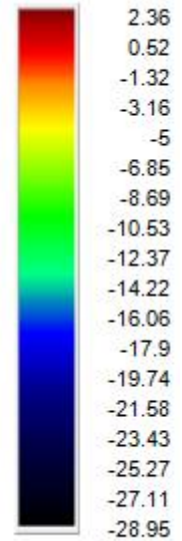
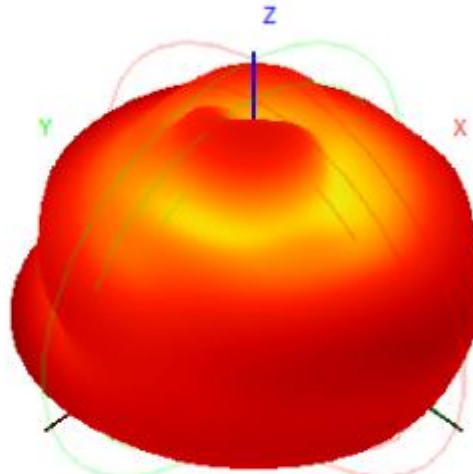
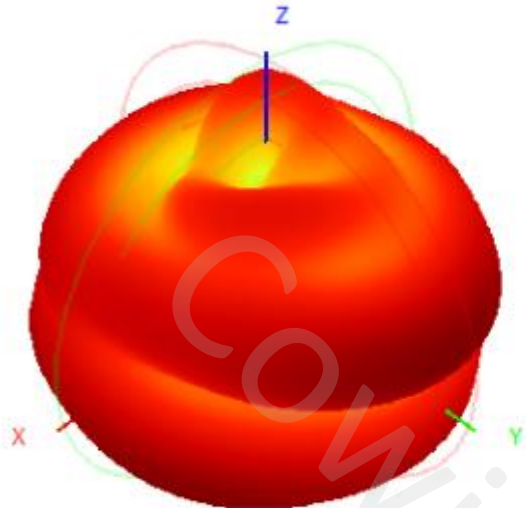


5150.0MHz Total(E2-YZ), Max= 0.90dBi



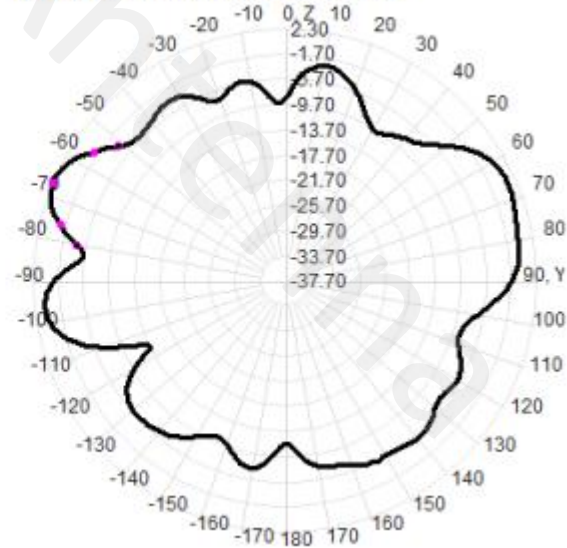
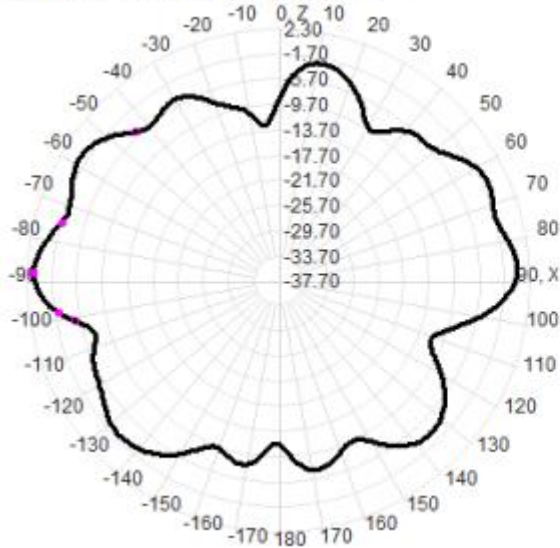
5400.0MHz H+V, Eff: 49.2%

Back View



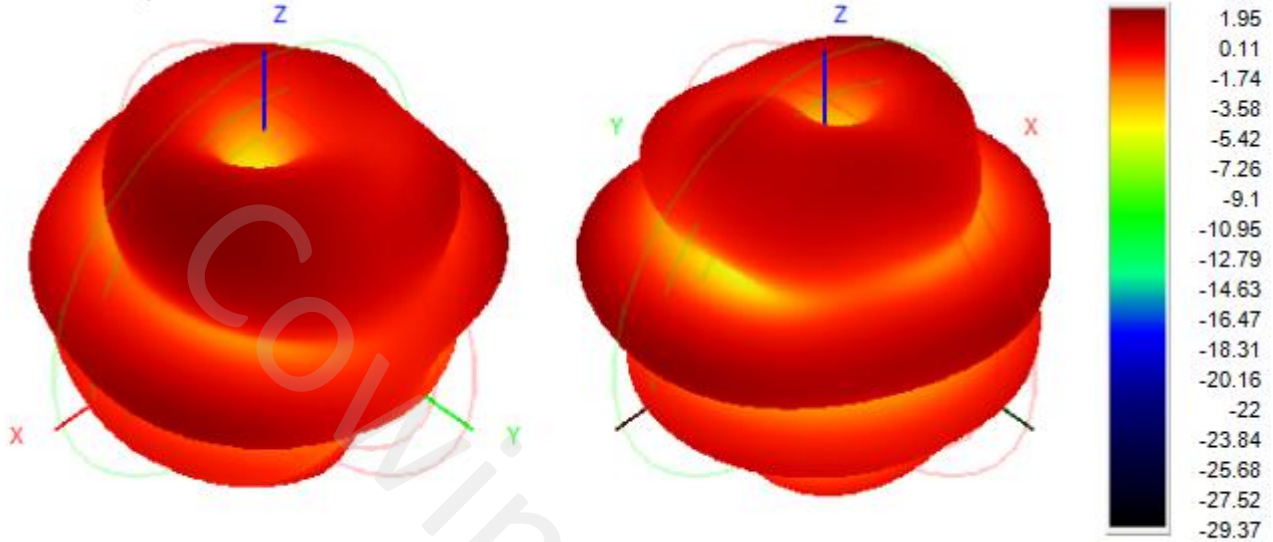
5400.0MHz Total(E1-XZ), Max= 1.17dBi

5400.0MHz Total(E2-YZ), Max= 2.29dBi



5850.0MHz H+V, Eff: 47.0%

Back View



5850.0MHz Total(E1-XZ), Max= 1.22dBi

5850.0MHz Total(E2-YZ), Max= 0.73dBi

