

CW-WZ-0087

WiFi6E External Antenna

Key Features

Frequency: 2.4-2.5G/5.15-7.125G

SMA Male Connector

External Rubber

Dimensions 136*19 mm

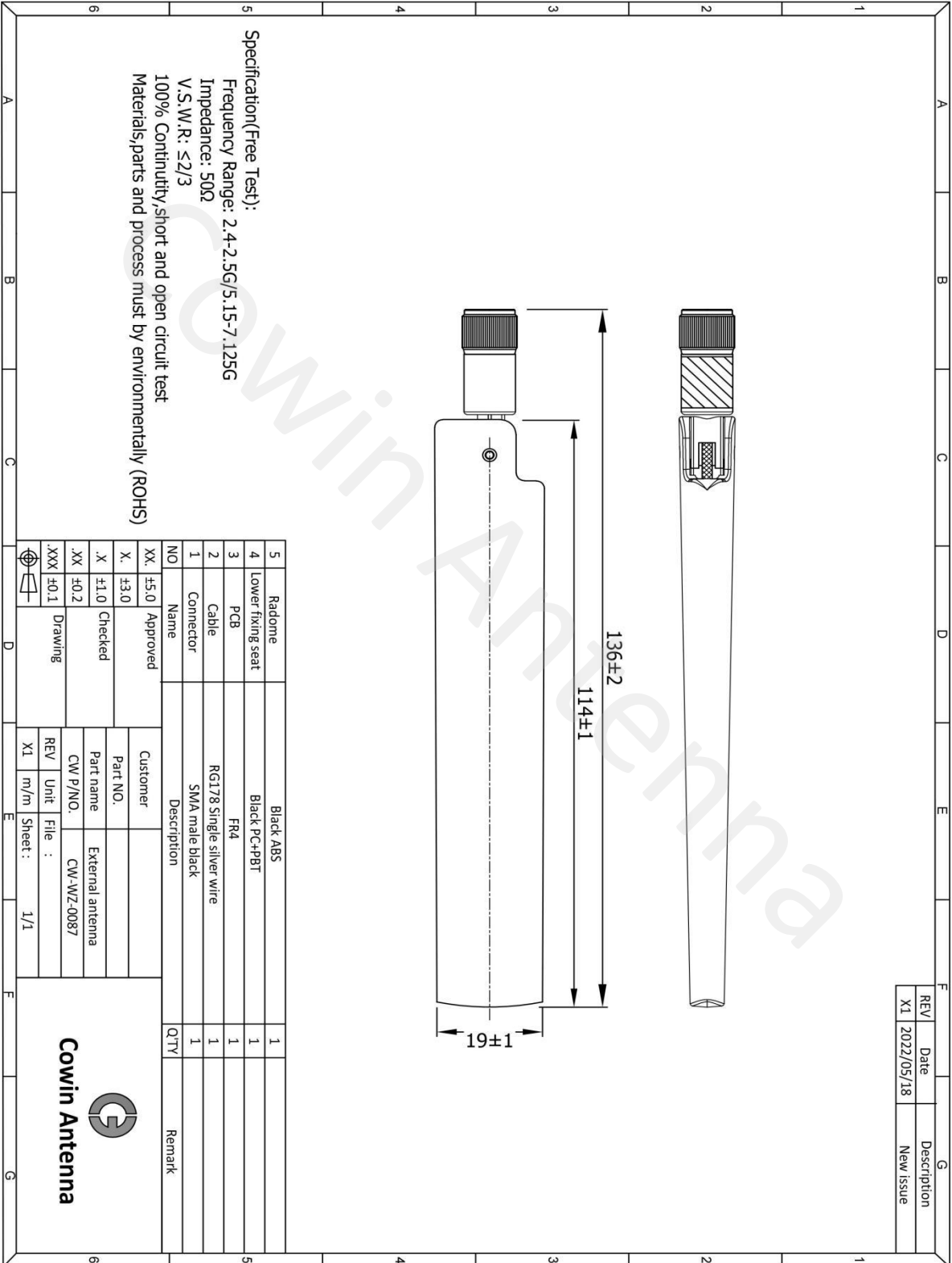


1. Antenna Electrical Characteristics

Band (MHz)	
Frequency (MHz)	2.4-2.5G/ 5.15-7.125G
VSWR	2/2.2
Efficiency (%)	70.47% /81.8%
Peak Gain (dBi)	1.93/4.81
Impedance (Ohm)	50
Polarisation	Vertical
Max. Input Power (W)	10
Connector Type	SMA Male

2. Material and environmental characteristics

Inner structure	PCB
Material of Plastic	PC+PBT/ABS
Cable Type	RG178
Connector Type	SMA Male
Dimensions (mm)	136*19MM
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

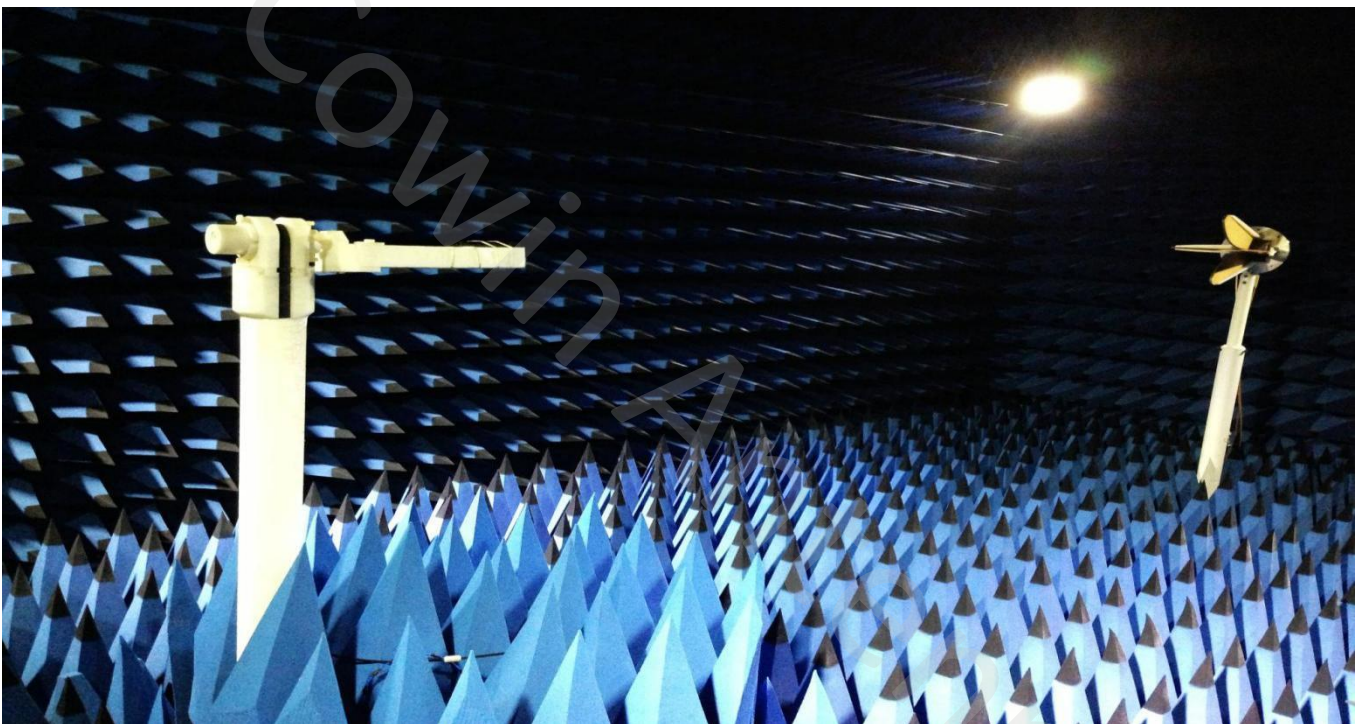
Antenna Measurement Conditions:

Mounted on Ground Plane of 280 x 80 mm

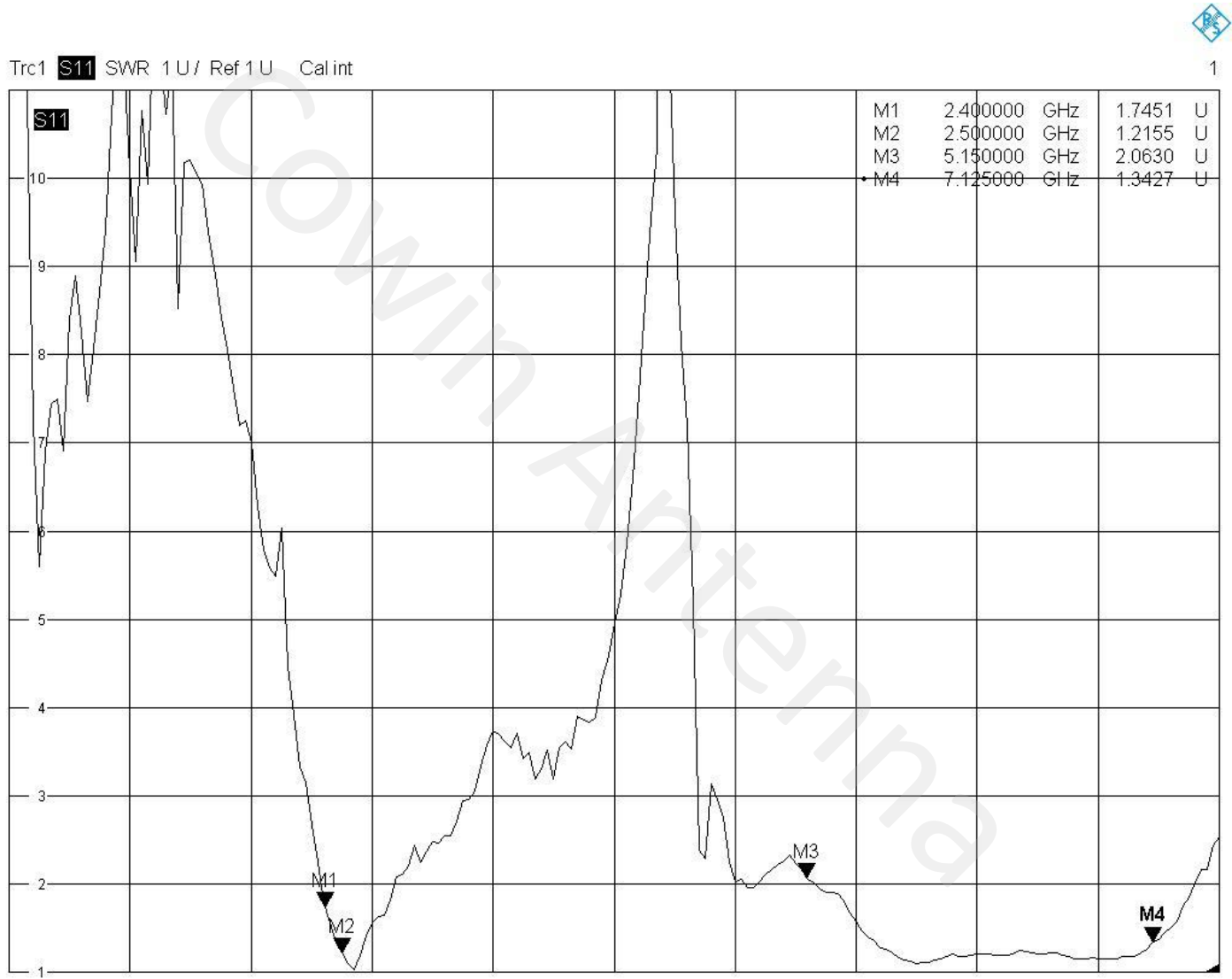
Measured in Certified 3D Anechoic Chamber

The network analyzer is Agilent 5071c

The comprehensive tester is Agilent cmv500

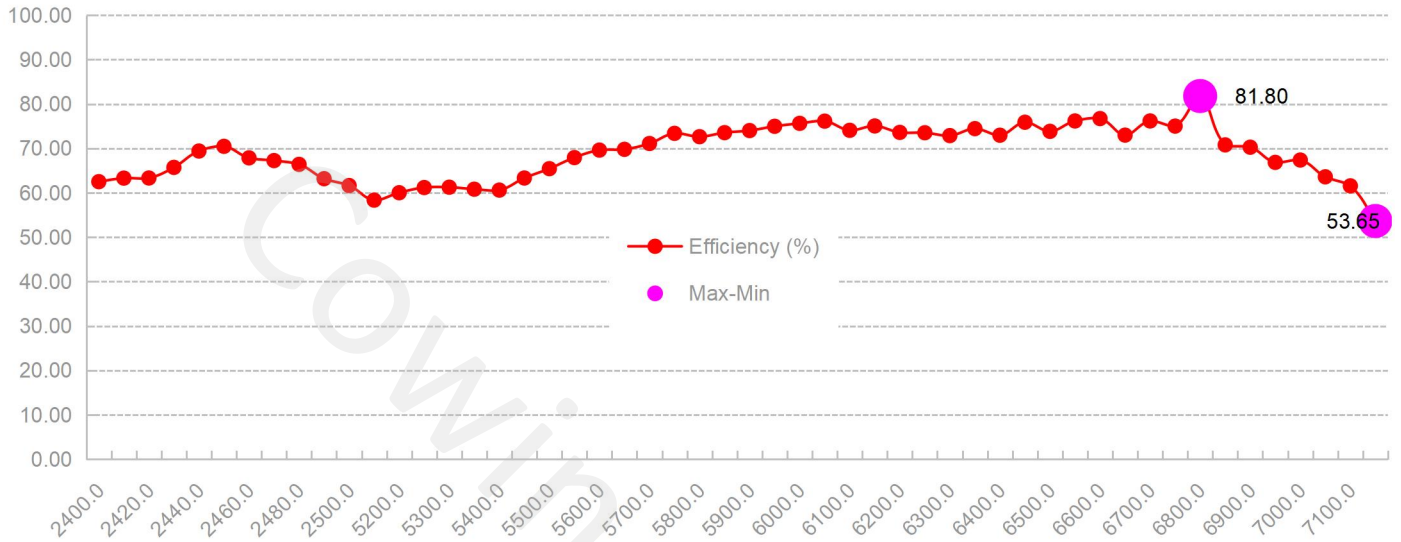


4.1 VSWR

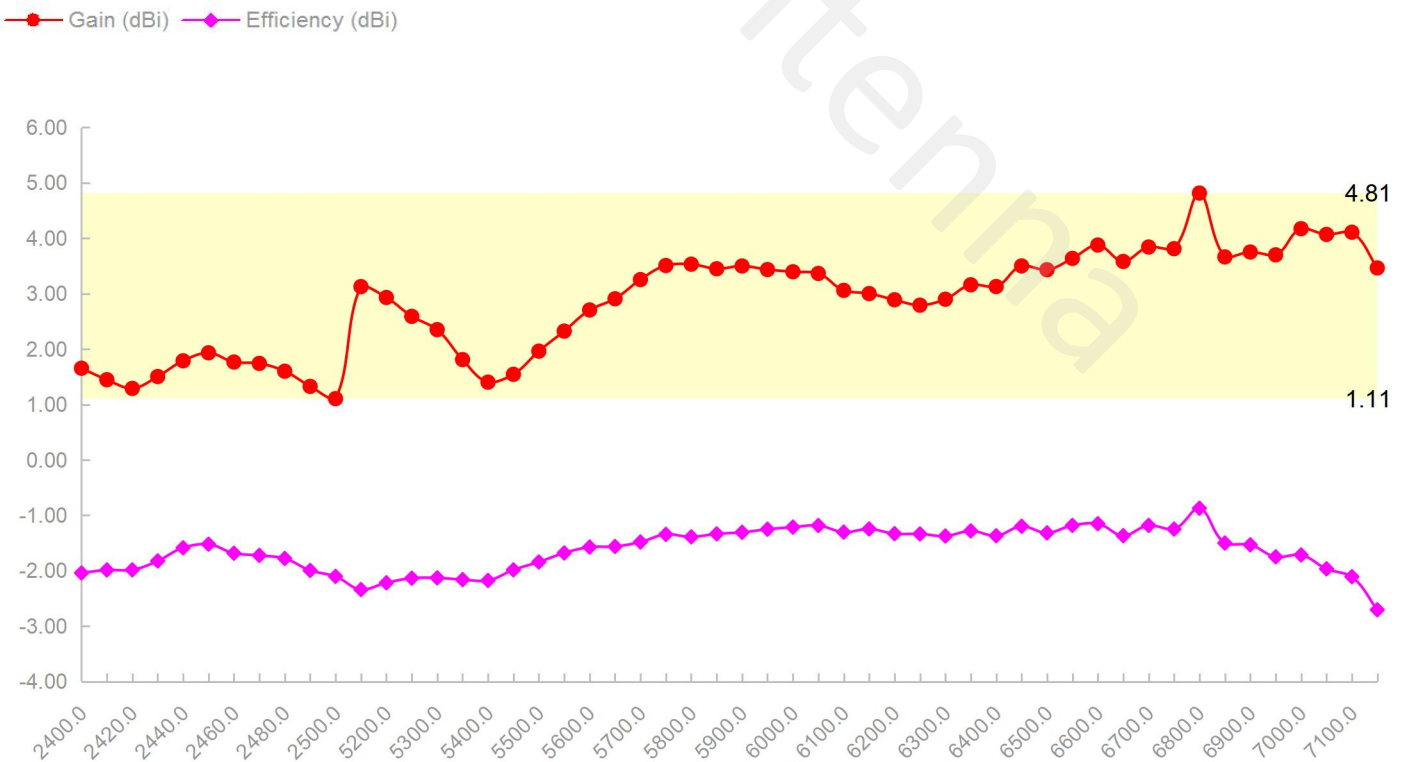


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4.2 Efficiency

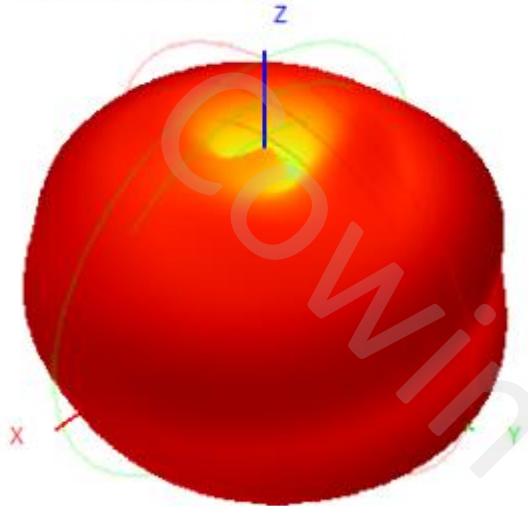


4.3 Peak gain

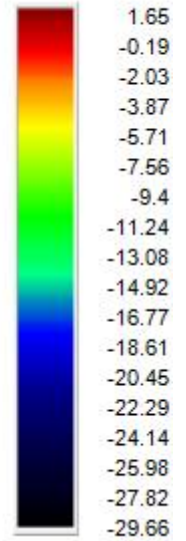
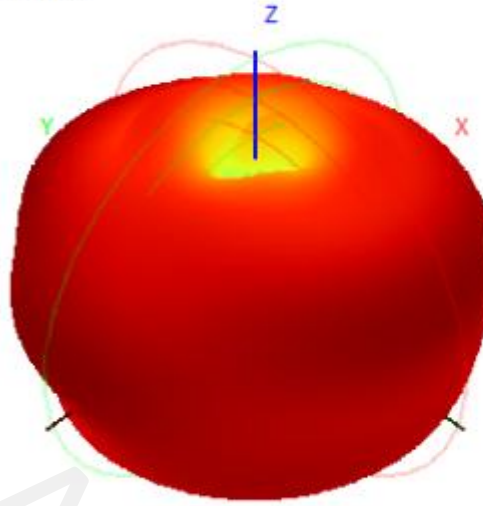


4.4 3D&2D Radiation Patterns

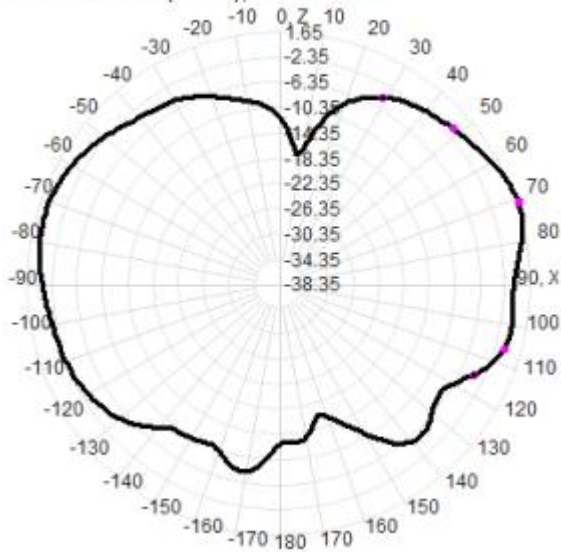
2400.0MHz H+V, Eff: 62.5%



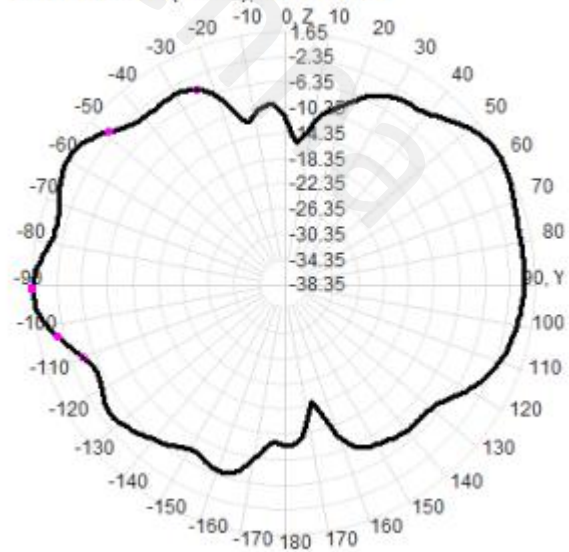
Back View



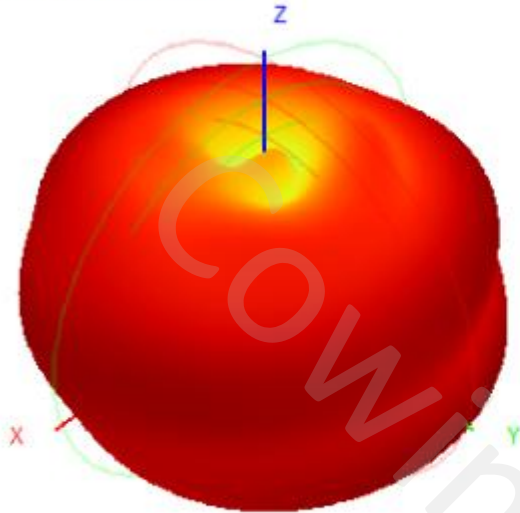
2400.0MHz Total(E1-XZ), Max= 1.65dBi



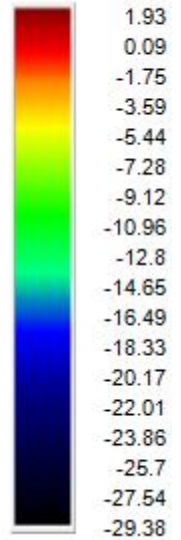
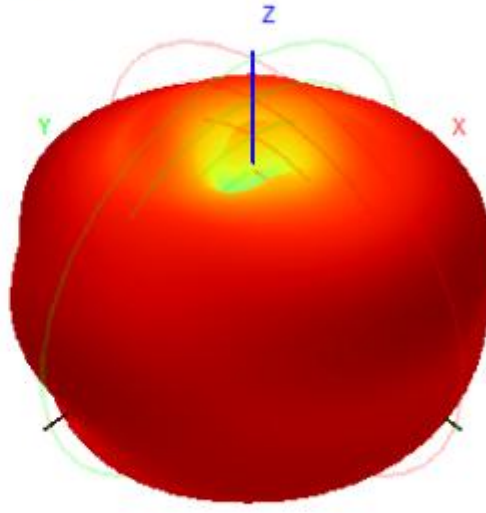
2400.0MHz Total(E2-YZ), Max= 1.48dBi



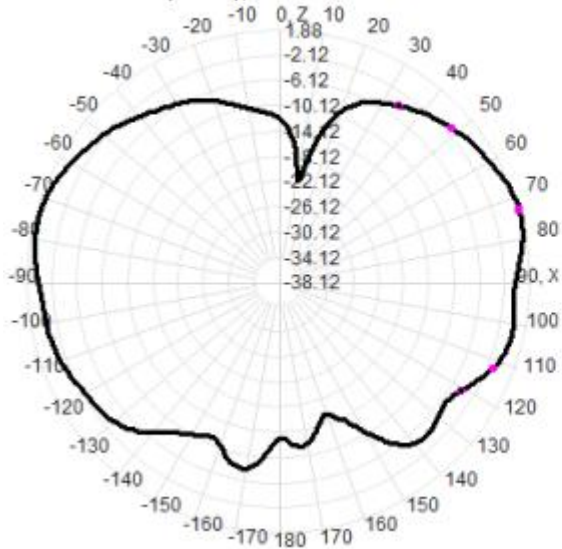
2450.0MHz H+V, Eff: 70.5%



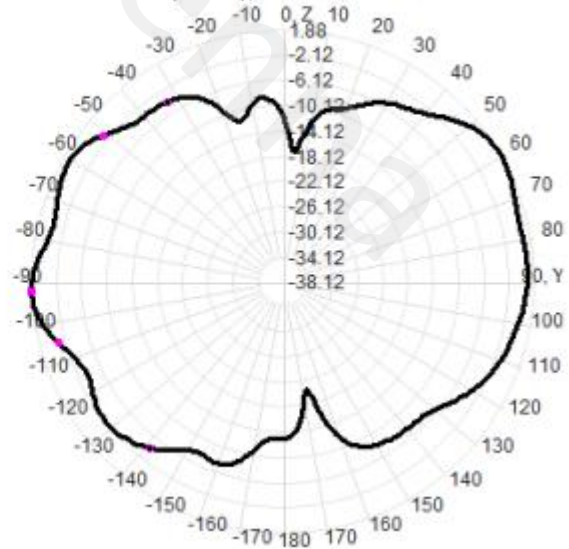
Back View



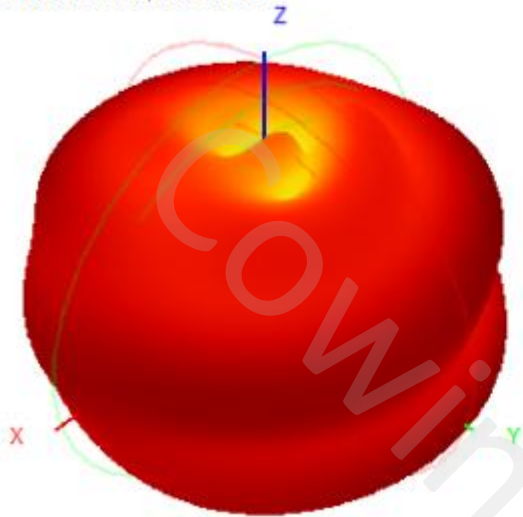
2450.0MHz Total(E1-XZ), Max= 1.64dBi



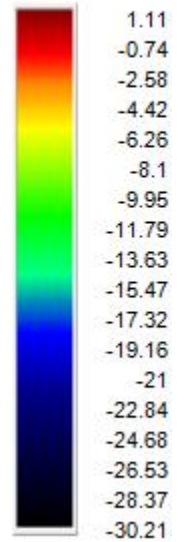
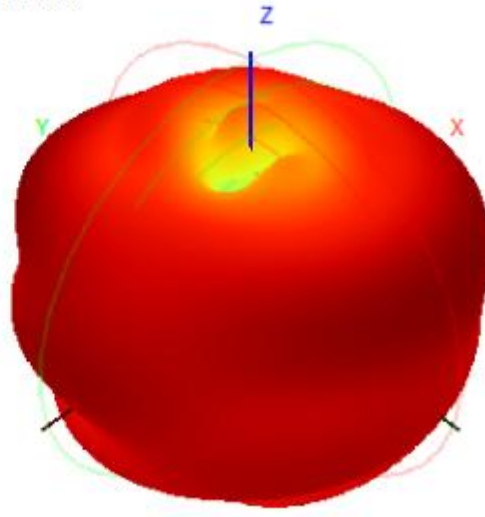
2450.0MHz Total(E2-YZ), Max= 1.87dBi



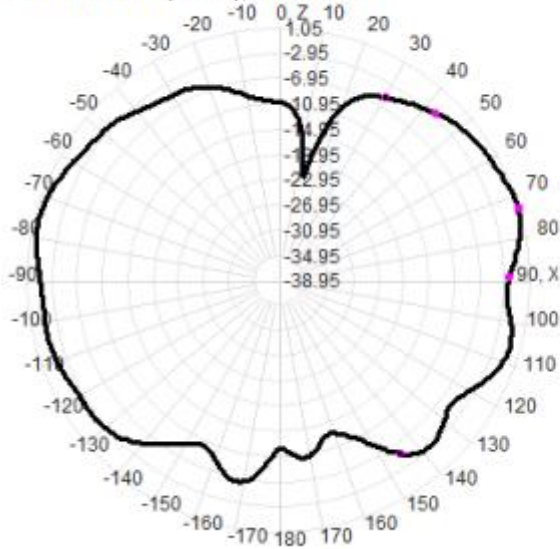
2500.0MHz H+V, Eff: 61.6%



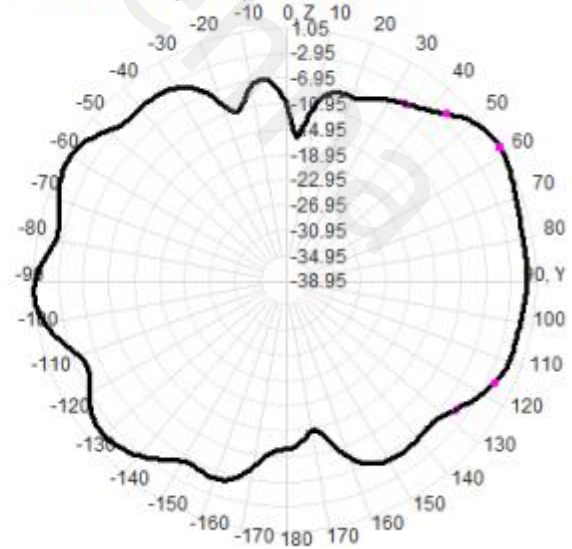
Back View



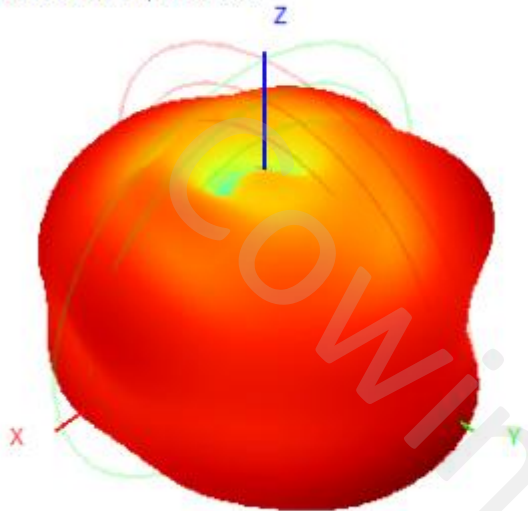
2500.0MHz Total(E1-XZ), Max= 0.58dBi



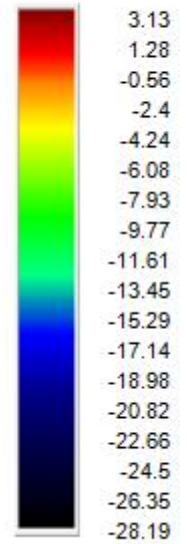
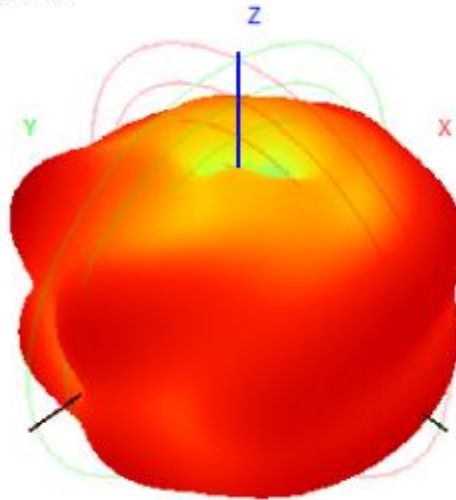
2500.0MHz Total(E2-YZ), Max= 1.05dBi



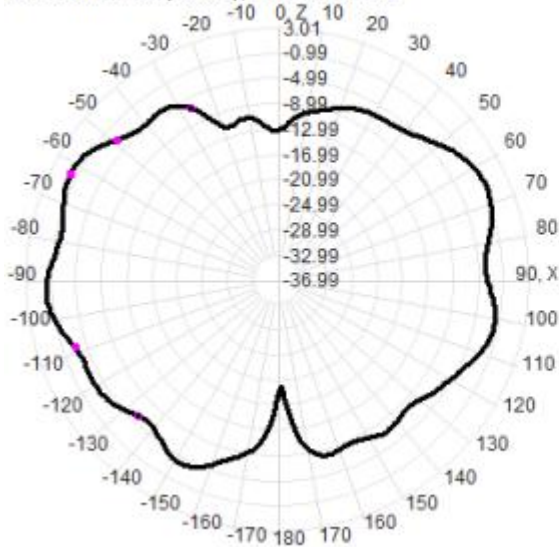
5150.0MHz H+V, Eff: 58.4%



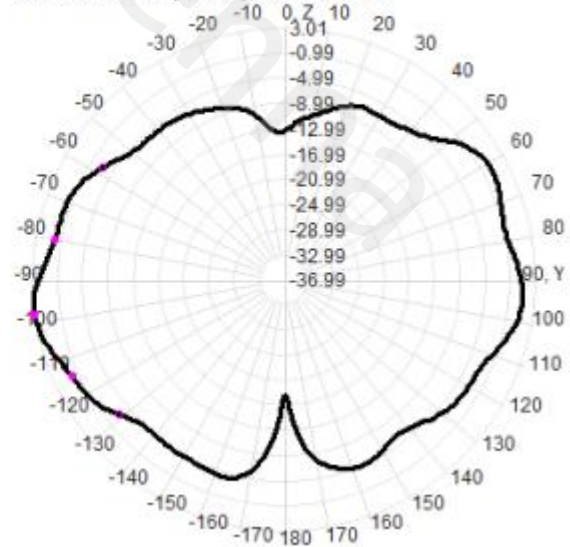
Back View



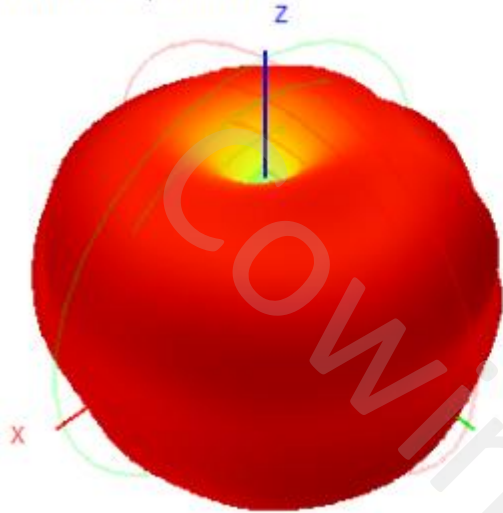
5150.0MHz Total(E1-XZ), Max= -0.06dBi



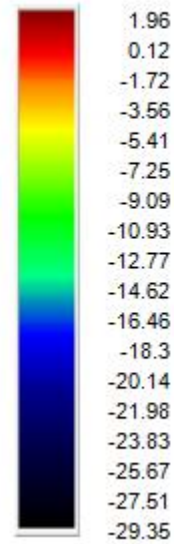
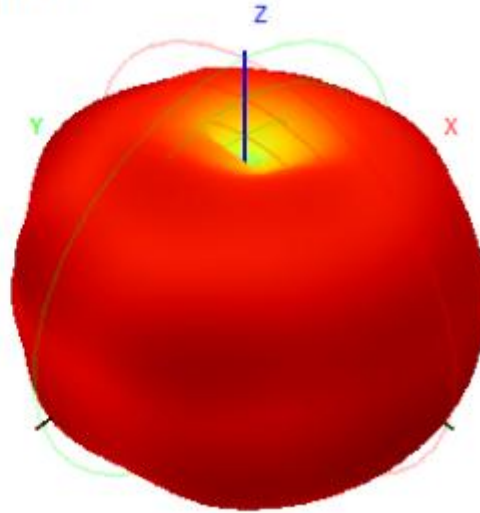
5150.0MHz Total(E2-YZ), Max= 3.01dBi



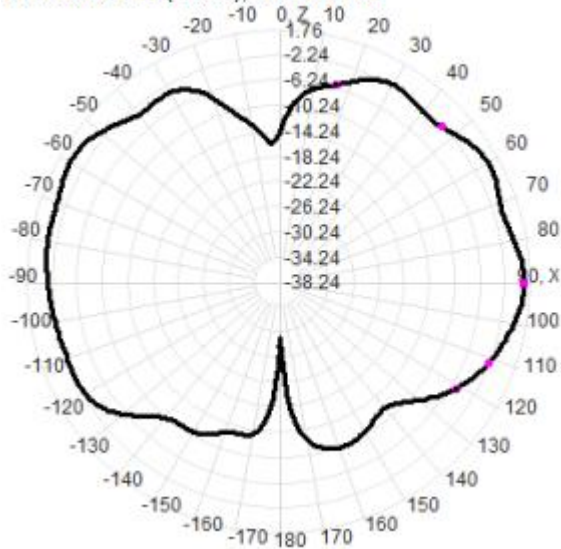
5500.0MHz H+V, Eff: 65.4%



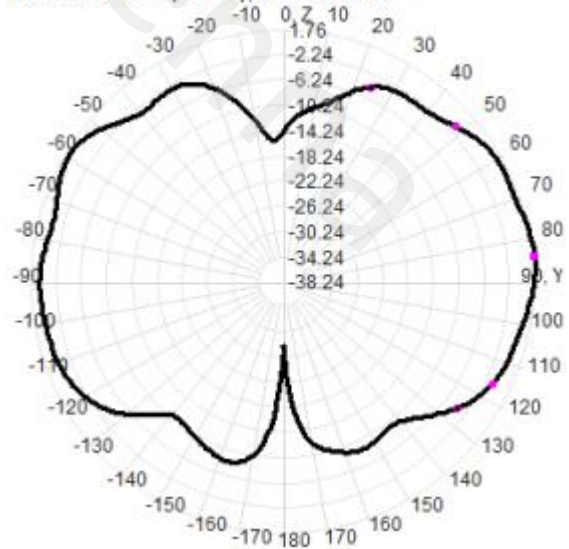
Back View



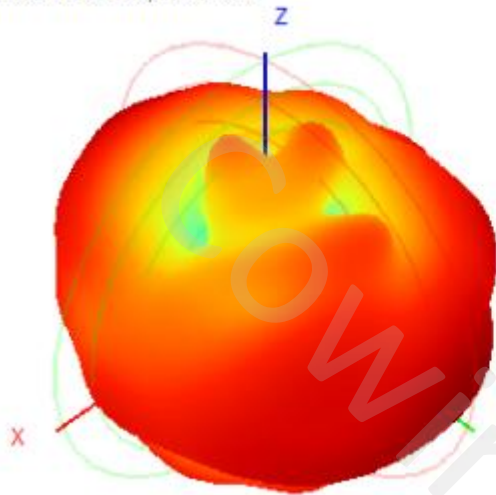
5500.0MHz Total(E1-XZ), Max= 0.53dBi



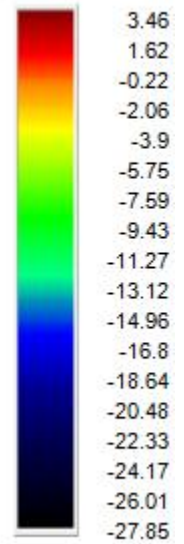
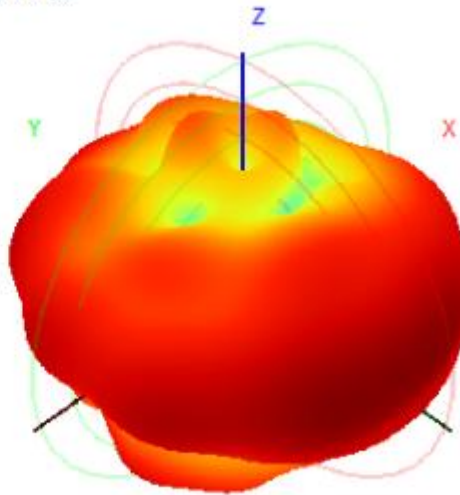
5500.0MHz Total(E2-YZ), Max= 1.76dBi



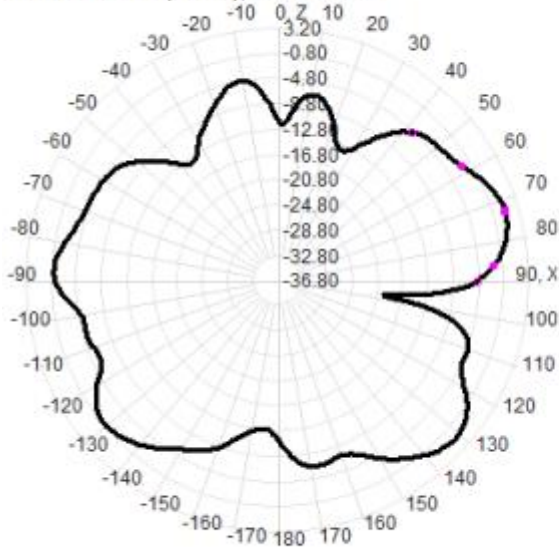
7150.0MHz H+V, Eff: 53.7%



Back View



7150.0MHz Total(E1-XZ), Max= 0.82dBi



7150.0MHz Total(E2-YZ), Max= 3.20dBi

