

CW-WZ-0068

2.4G/5.8G External Antenna

Key Features

Frequency: 2.4G-2.5G/4.9G-5.925G

IPEX Connector

External Rubber

Dimensions 104*8mm

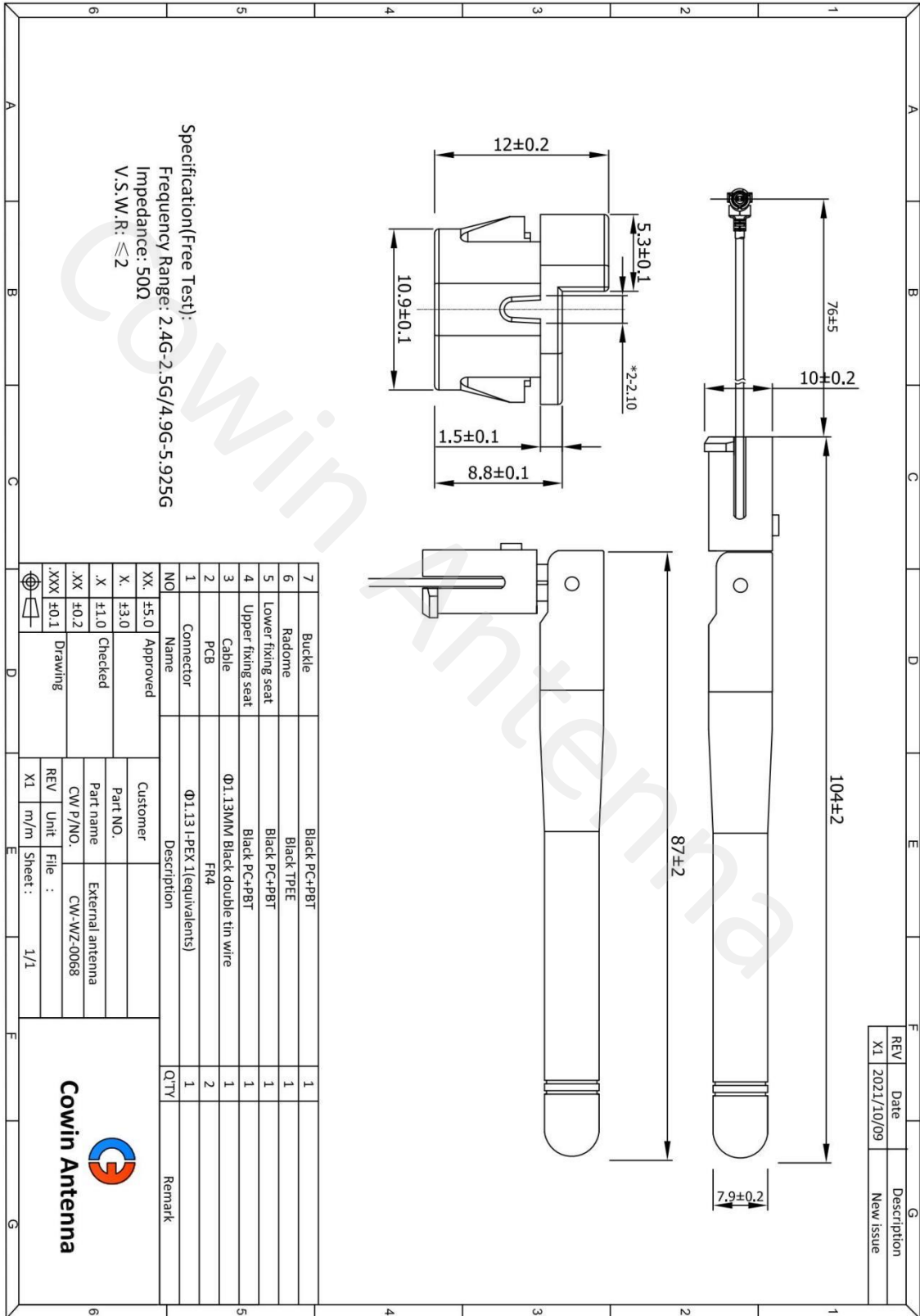


1. Antenna Electrical Characteristics

Band (MHz)		
Frequency (MHz)	2.4G-2.5G	4.9G-5.925G
VSWR	2:1	2:1
Efficiency (%)	55.87%	56.5%
Peak Gain (dBi)	1.89	3.31
Impedance (Ohm)		50
Polarisation		Vertical
Max. Input Power (W)		10
Connector Type		IPEX

2. Material and environmental characteristics

inner structure	PCB
Material of Plastic	PC+PBT/TPEE
Cable Type	RF1.13
Connector Type	IPEX
Dimensions (mm)	104*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

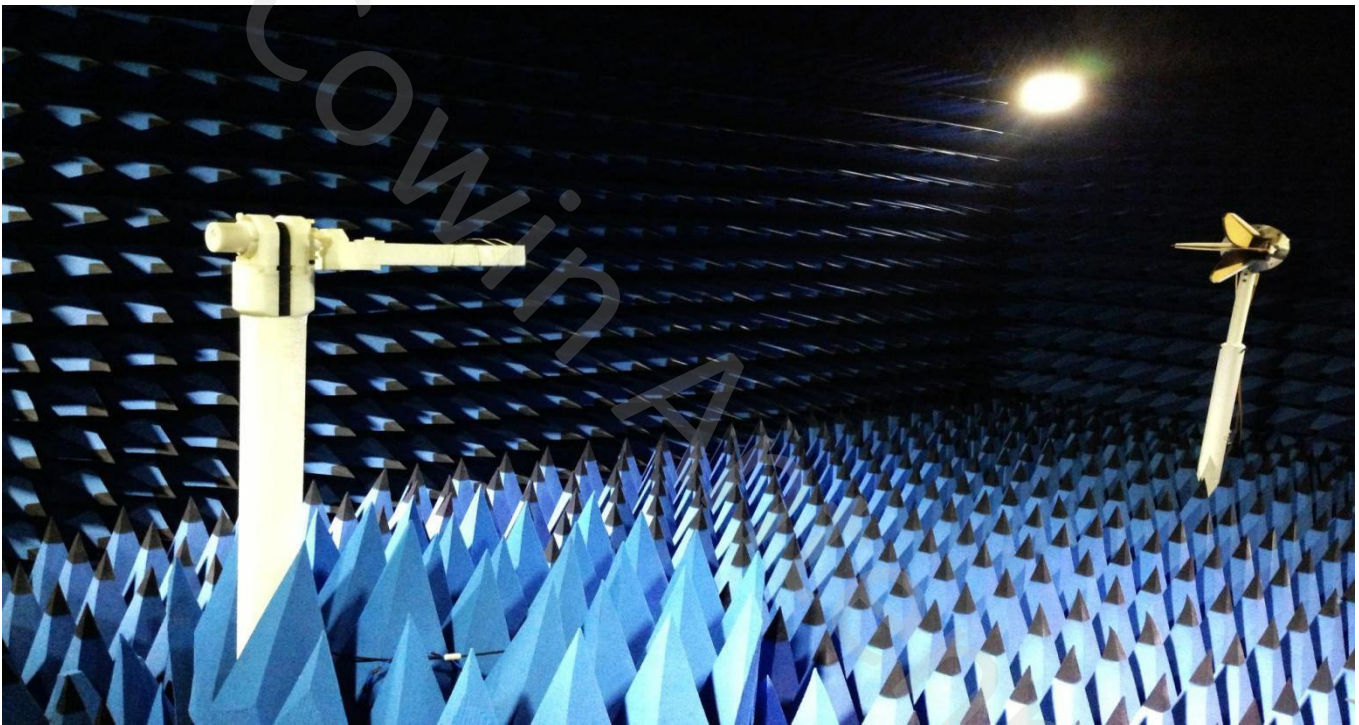
Antenna Measurement Conditions:

Mounted on Ground Plane of 280 x 80 mm

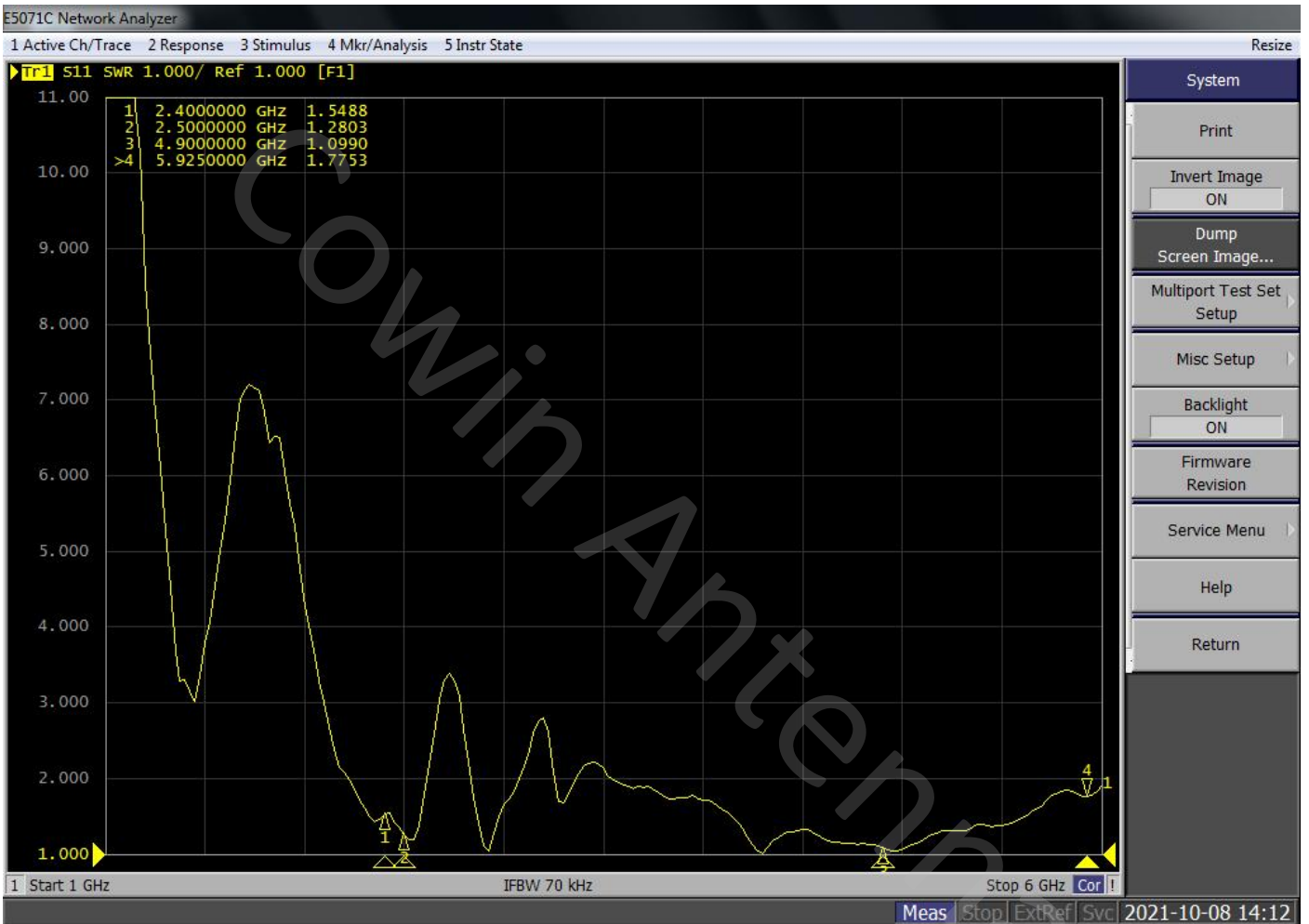
Measured in Certified 3D Anechoic Chamber

The network analyzer is Agilent 5071c

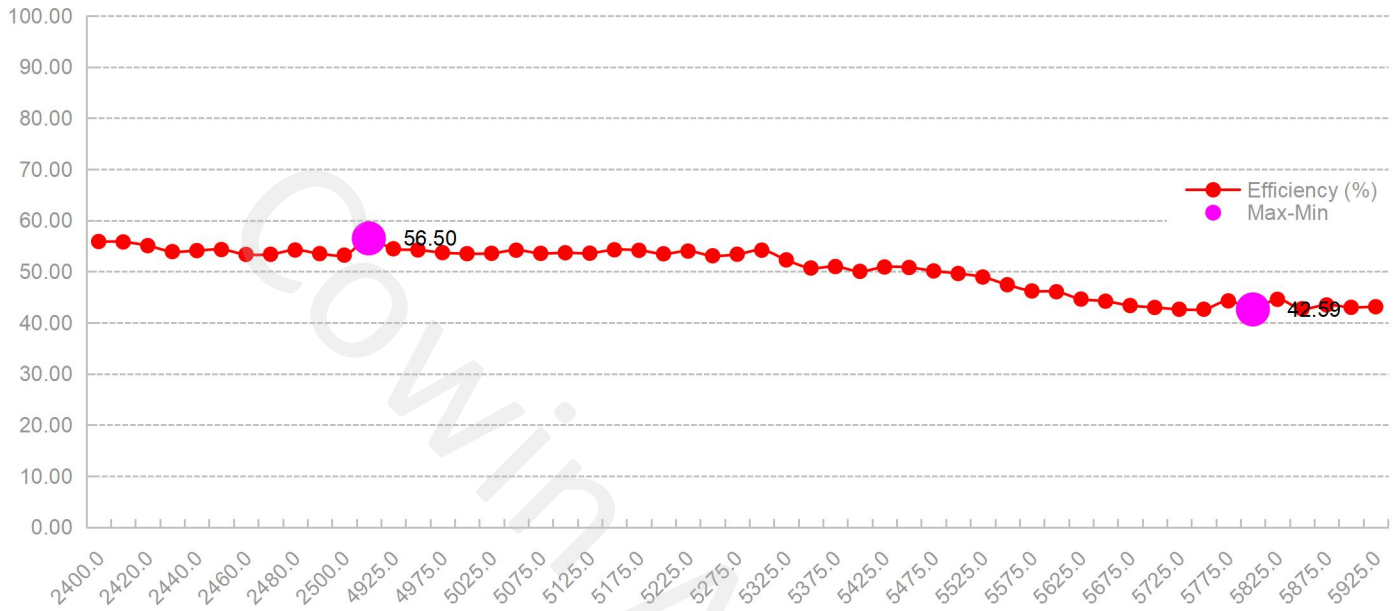
The comprehensive tester is Agilent cmv500



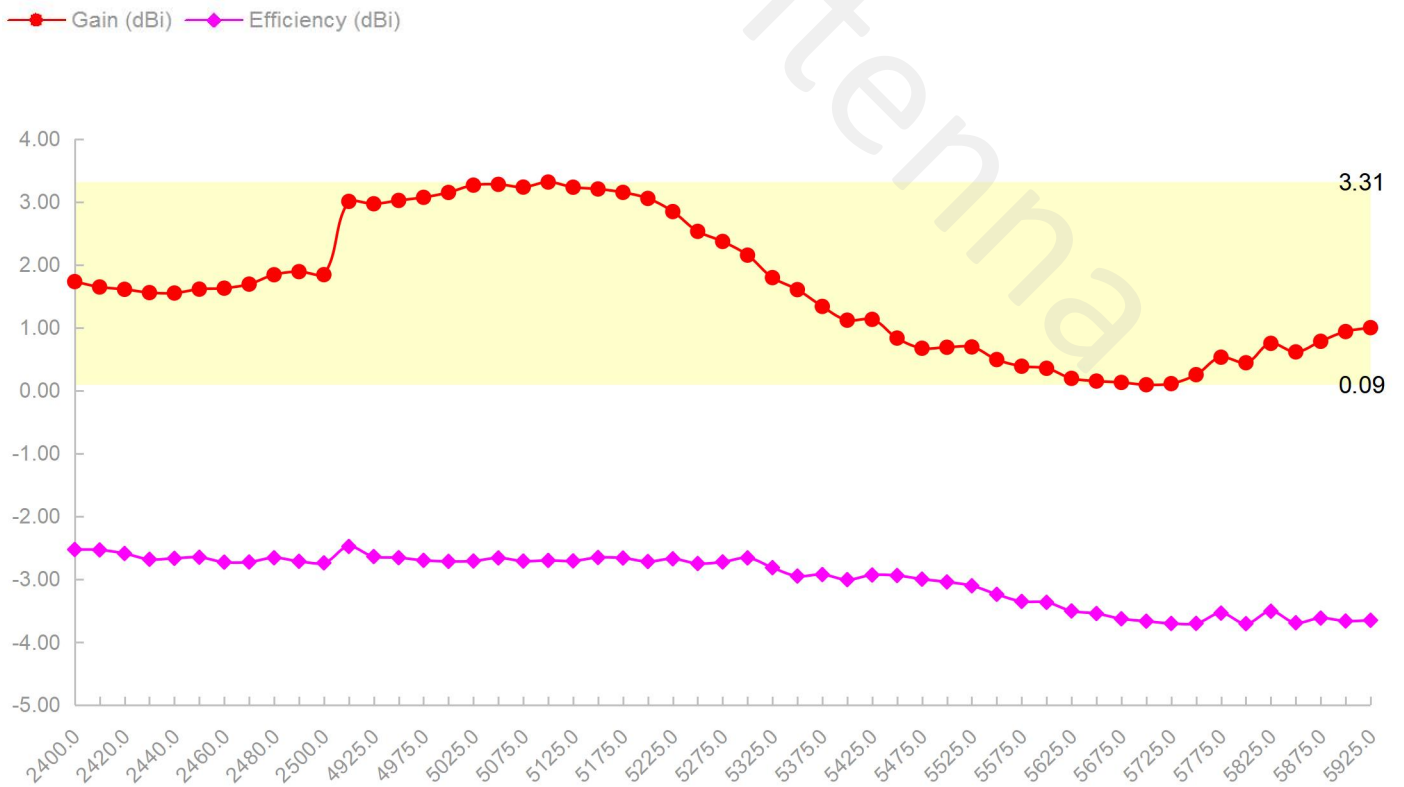
4.1 VSWR



4.2 Efficiency

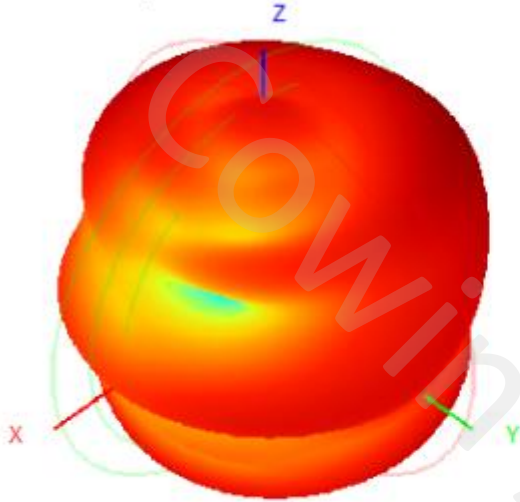


4.3 Peak gain

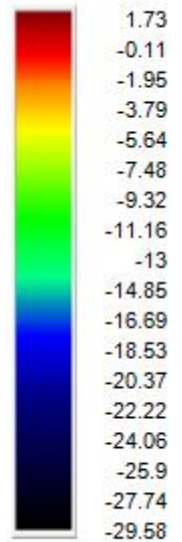
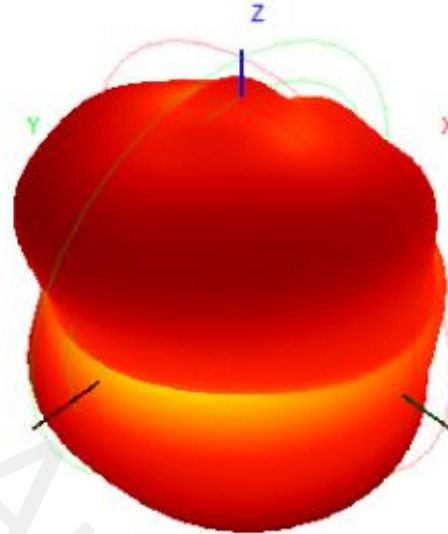


4.4 3D&2D Radiation Patterns

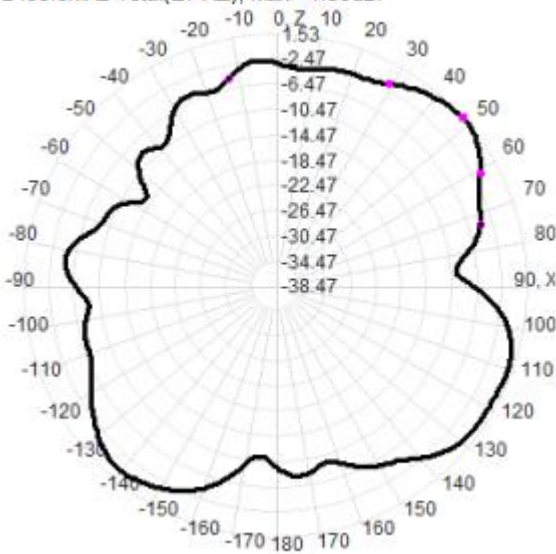
2400.0MHz H+V, Eff: 55.9%



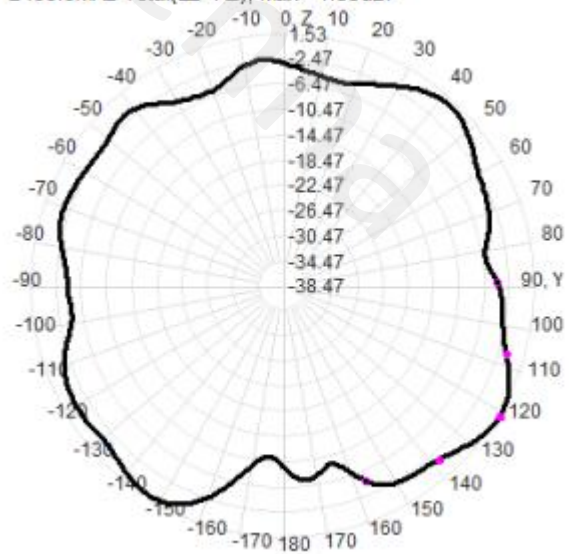
Back View



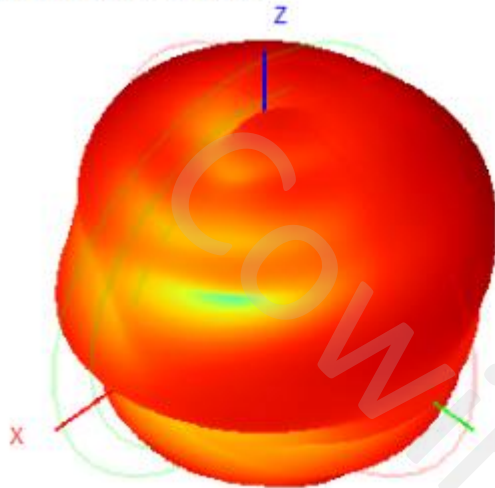
2400.0MHz Total(E1-XZ), Max= 1.36dBi



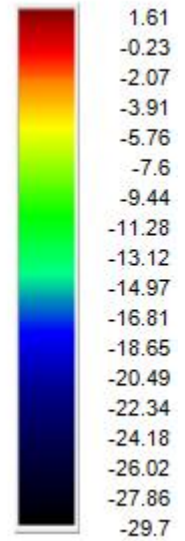
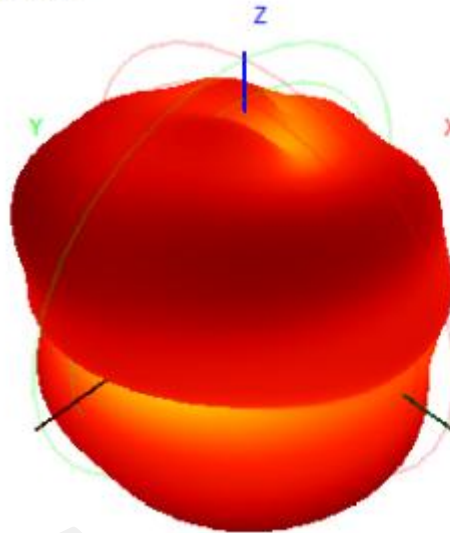
2400.0MHz Total(E2-YZ), Max= 1.53dBi



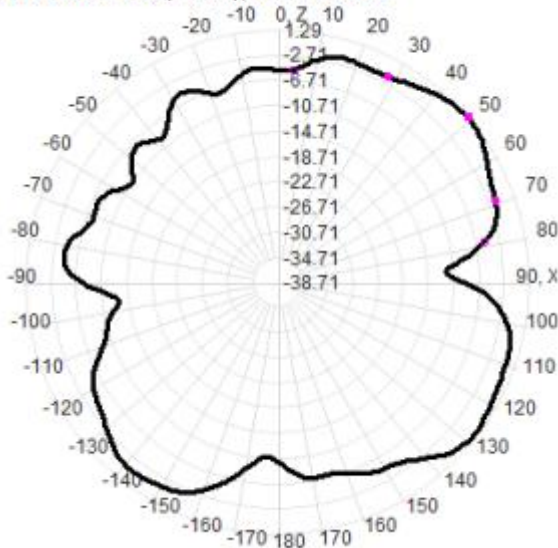
2450.0MHz H+V, Eff: 54.3%



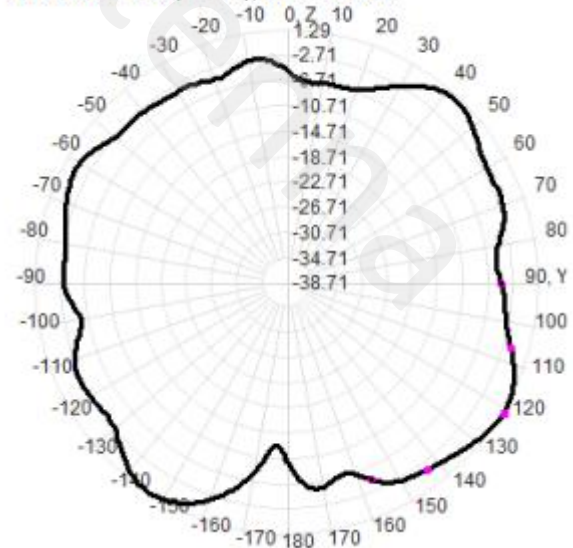
Back View



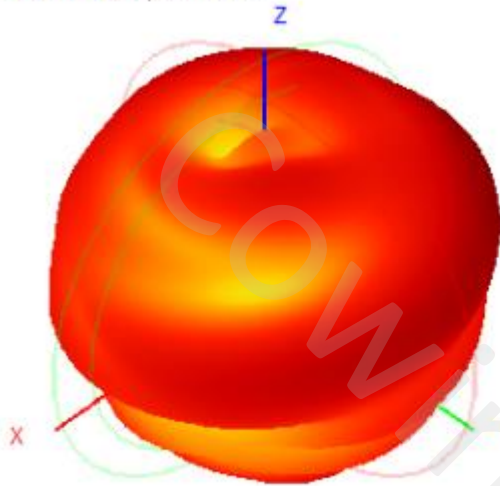
2450.0MHz Total(E1-XZ), Max= 1.14dBi



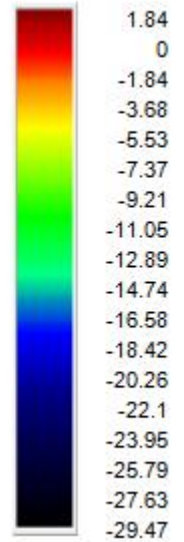
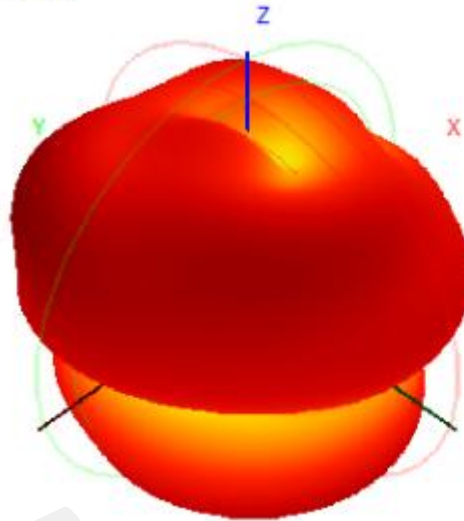
2450.0MHz Total(E2-YZ), Max= 1.29dBi



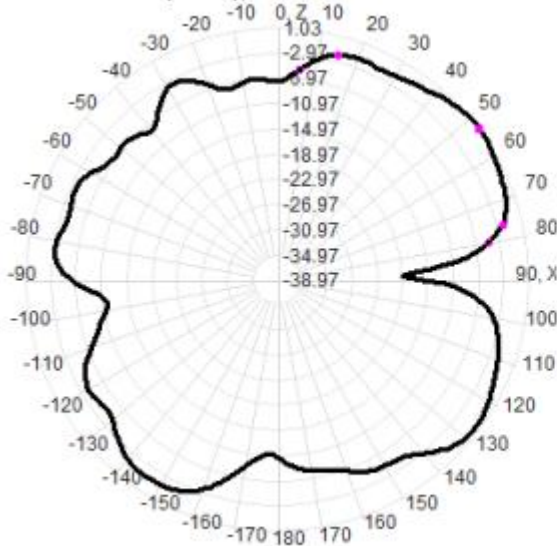
2500.0MHz H+V, Eff: 53.2%



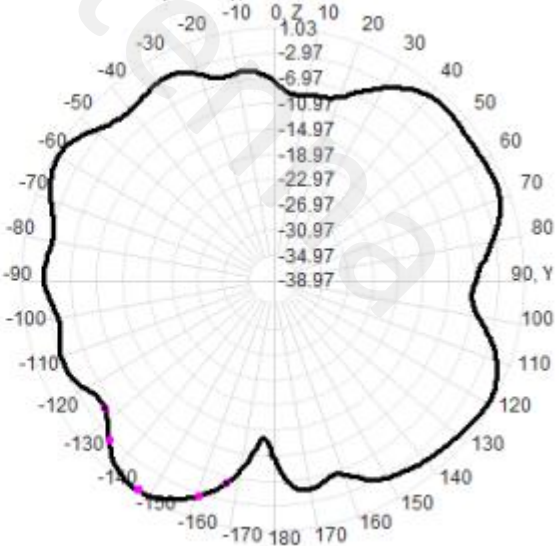
Back View



2500.0MHz Total(E1-XZ), Max= 1.03dBi

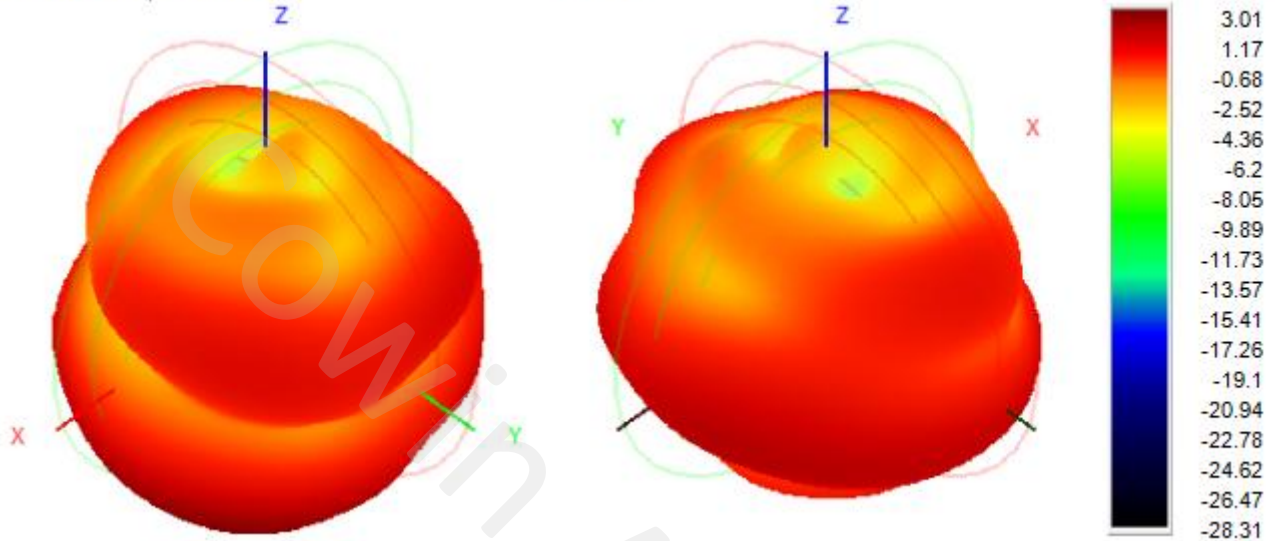


2500.0MHz Total(E2-YZ), Max= 0.52dBi



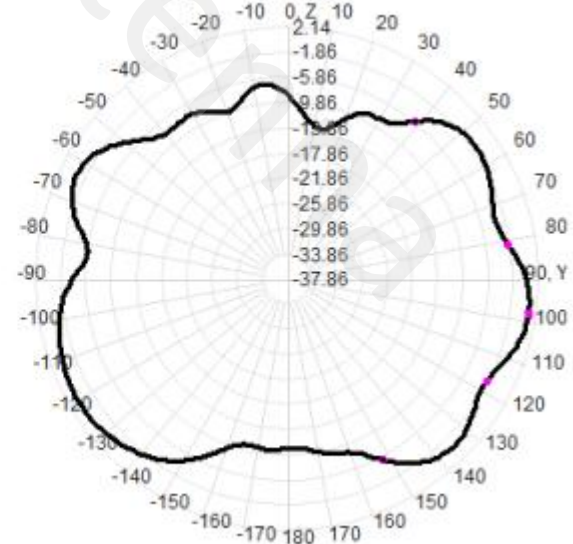
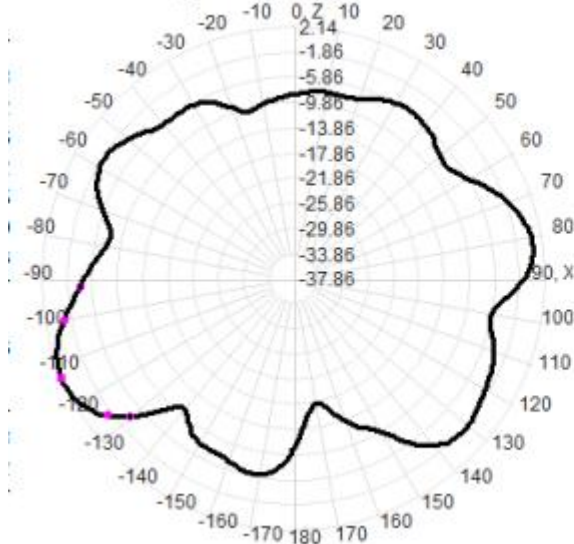
4900.0MHz H+V, Eff: 56.5%

Back View

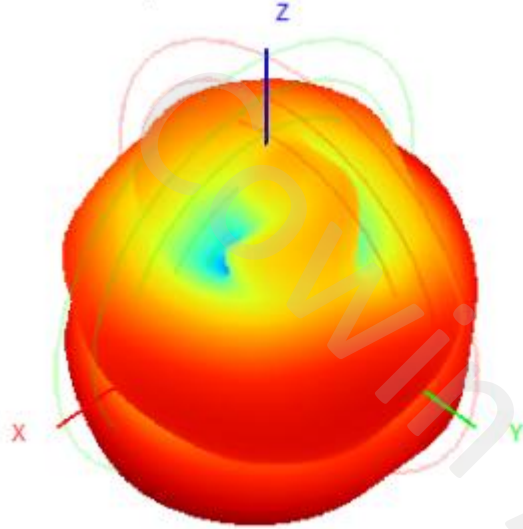


4900.0MHz Total(E1-XZ), Max= 2.14dBi

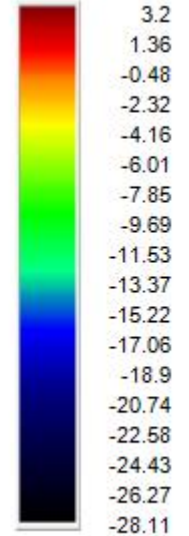
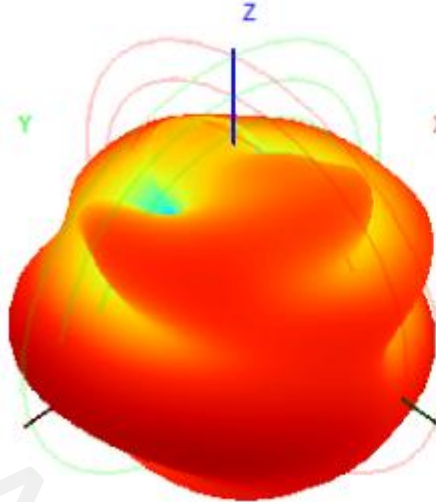
4900.0MHz Total(E2-YZ), Max= 0.71dBi



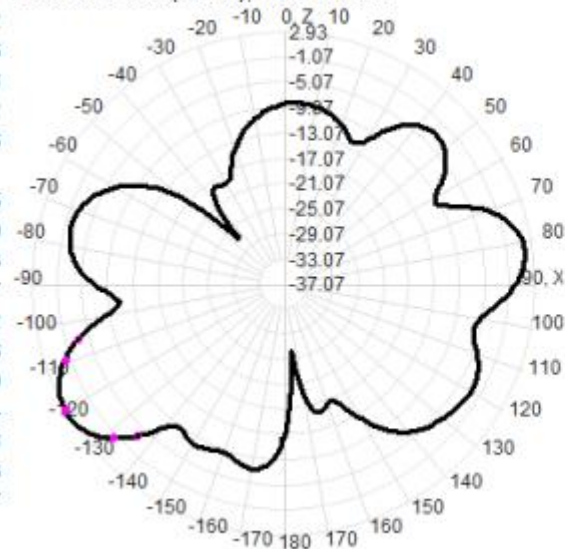
5150.0MHz H+V, Eff: 54.3%



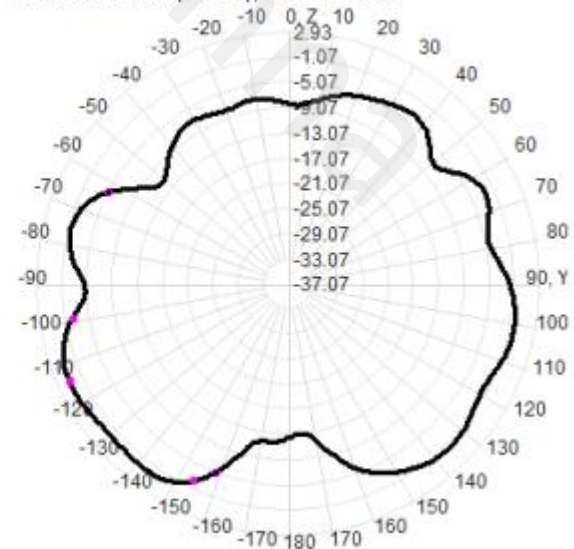
Back View



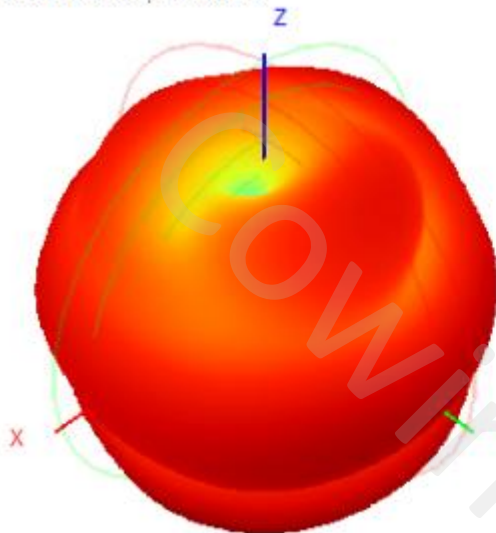
5150.0MHz Total(E1-XZ), Max= 2.93dBi



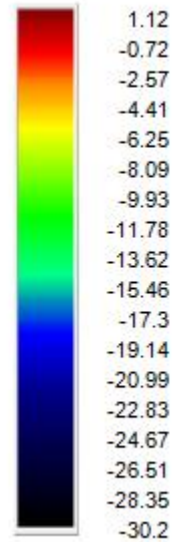
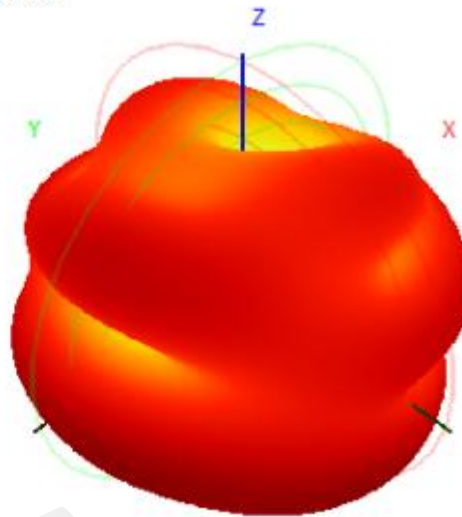
5150.0MHz Total(E2-YZ), Max= 0.91dBi



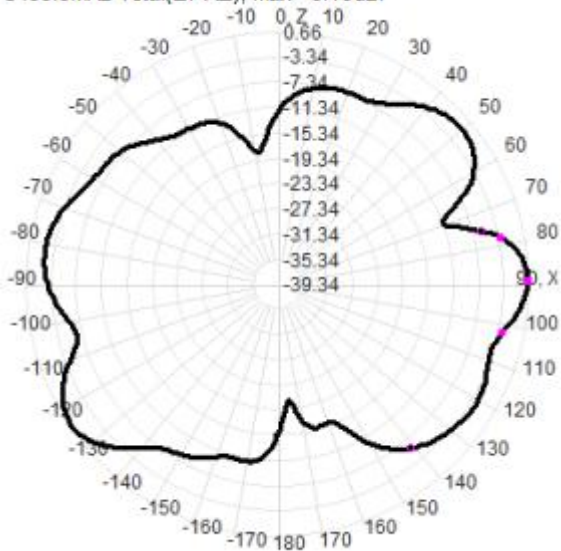
5400.0MHz H+V, Eff: 50.0%



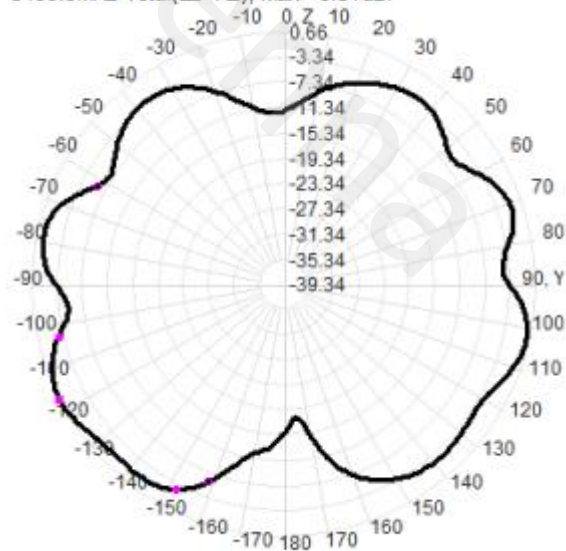
Back View



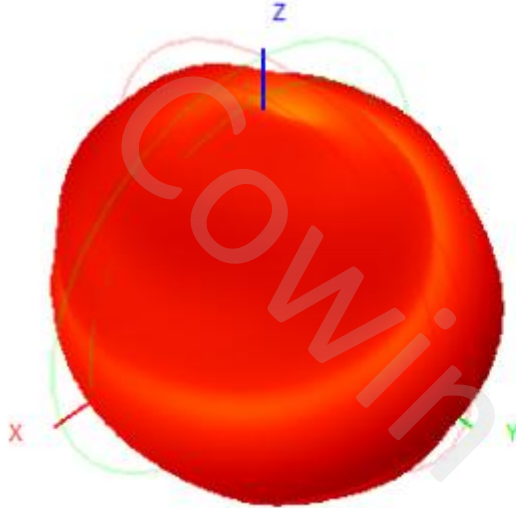
5400.0MHz Total(E1-XZ), Max= 0.16dBi



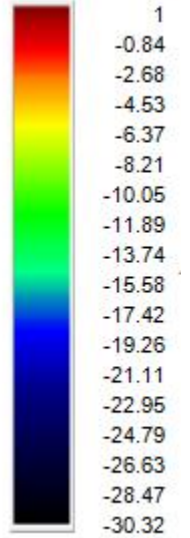
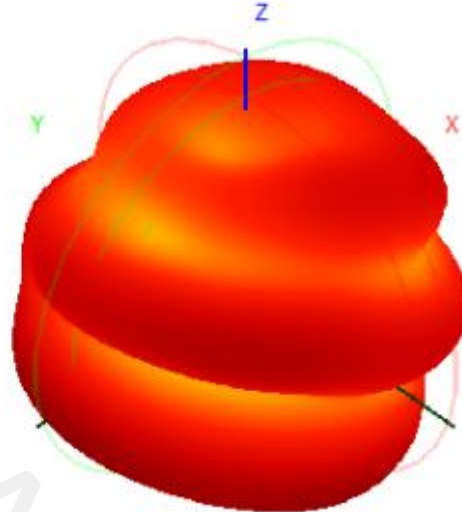
5400.0MHz Total(E2-YZ), Max= 0.51dBi



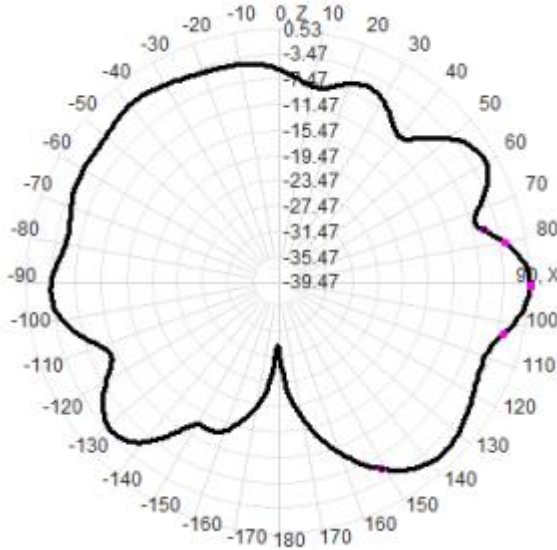
5925.0MHz H+V, Eff: 43.1%



Back View



5925.0MHz Total(E1-XZ), Max= 0.39dBi



5925.0MHz Total(E2-YZ), Max= 0.53dBi

