

CW-WZ-0105

915MHZ External Patch Antenna

Key Features

Frequency: 915MHz

SMA Male Connector

3M Adhesive

Dimensions 116*22 mm

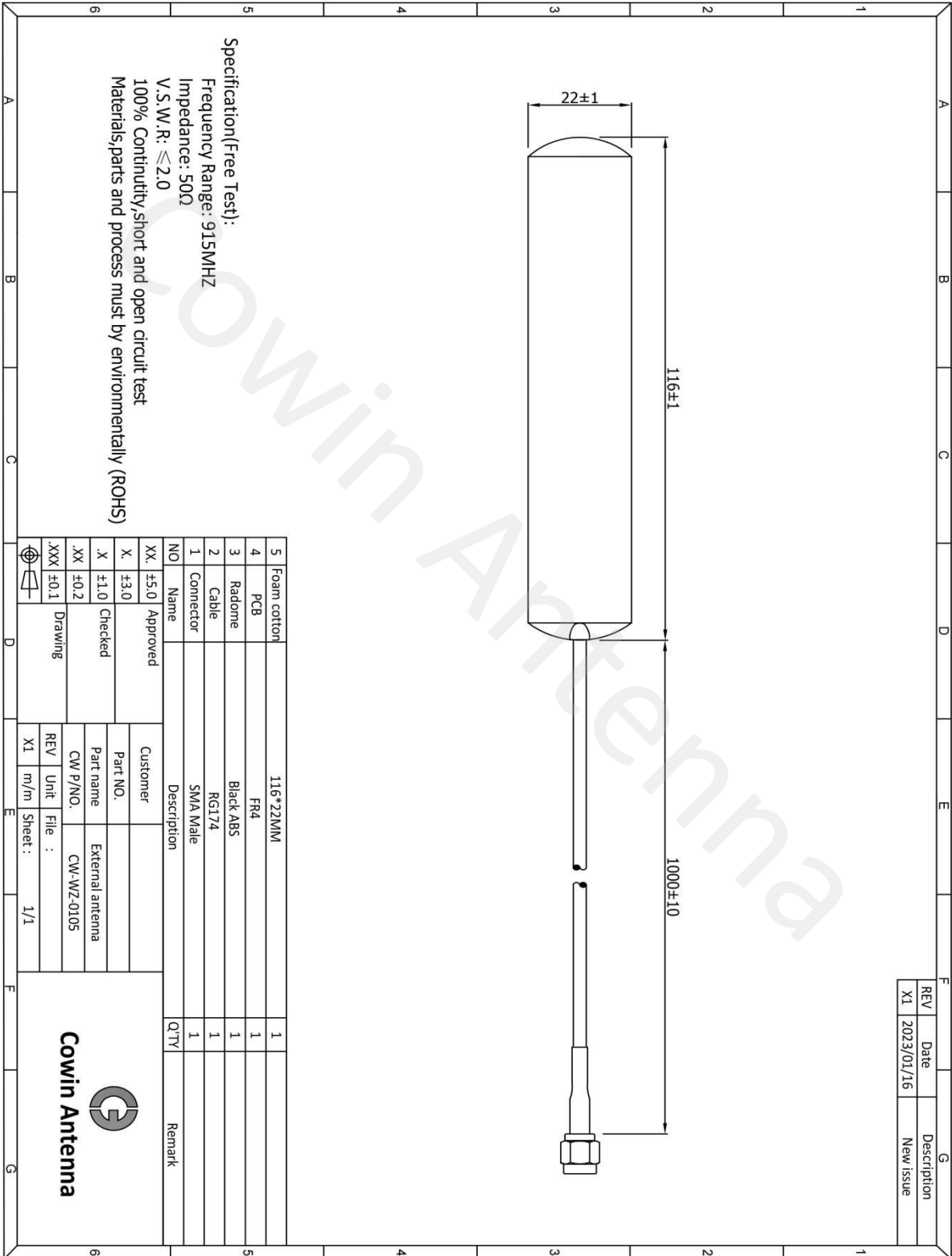


1. Antenna Electrical Characteristics

Band (MHz)	
Frequency (MHz)	915MHz
VSWR	2.0
Efficiency (%)	78.66%
Peak Gain (dBi)	2.14
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	ABS
Cable Type	RG174
Connector Type	SMA Male
Dimensions (mm)	116*22MM
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

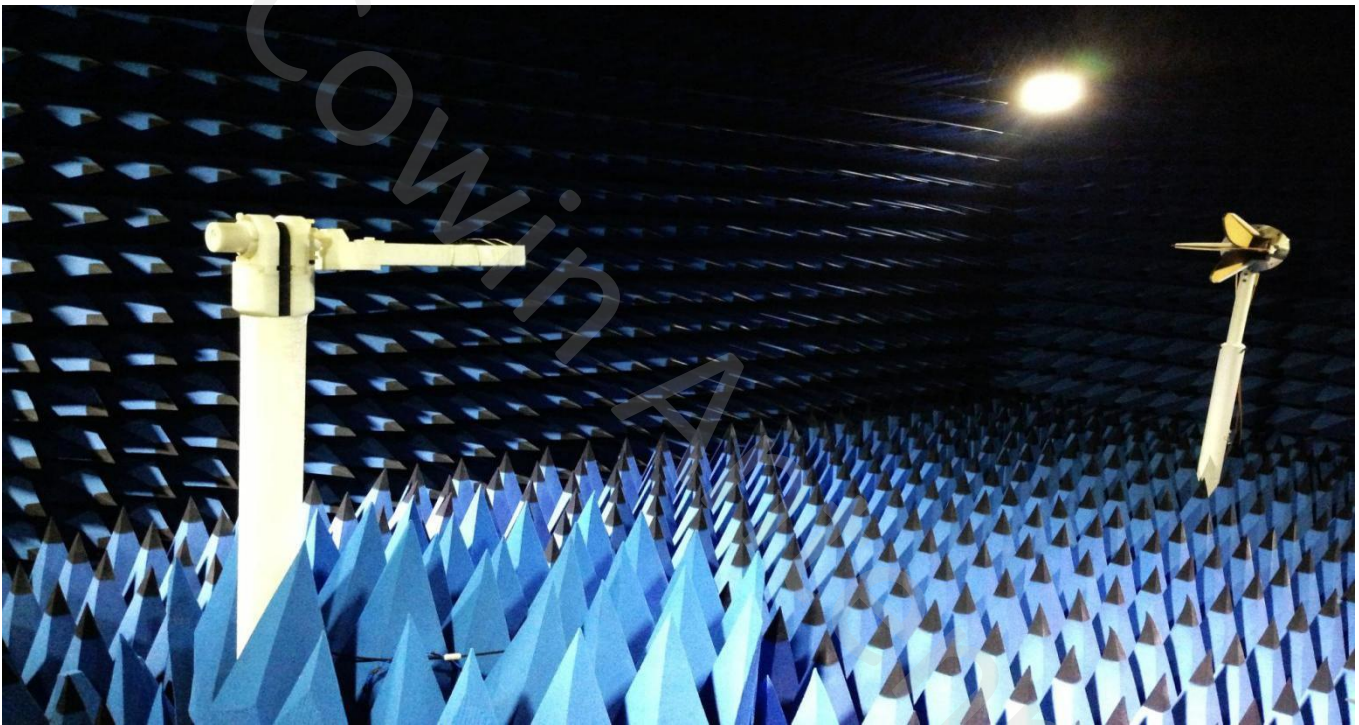
Antenna Measurement Conditions:

Mounted on Ground Plane of 280 x 80 mm

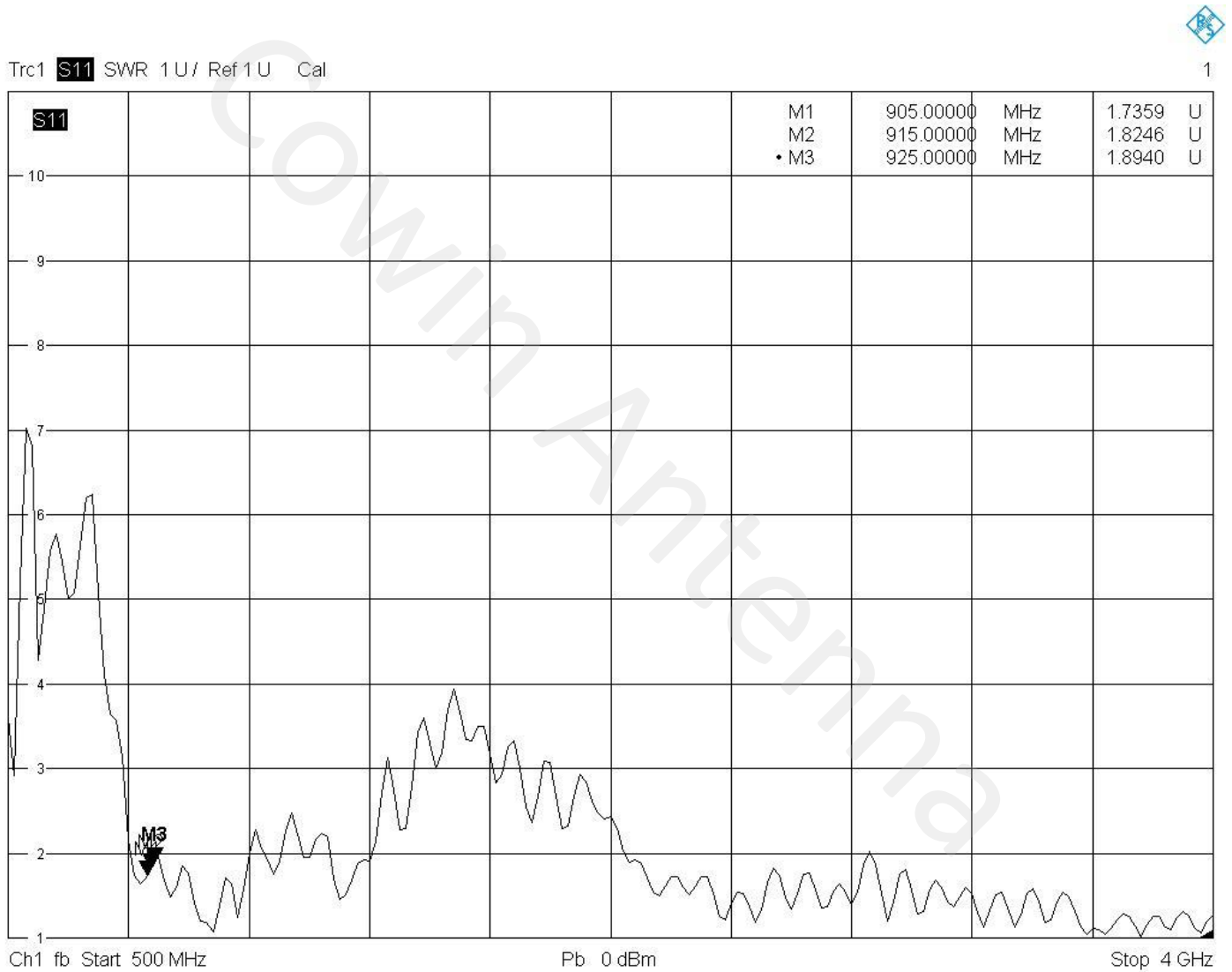
Measured in Certified 3D Anechoic Chamber

The network analyzer is Agilent 5071c

The comprehensive tester is Agilent cmv500

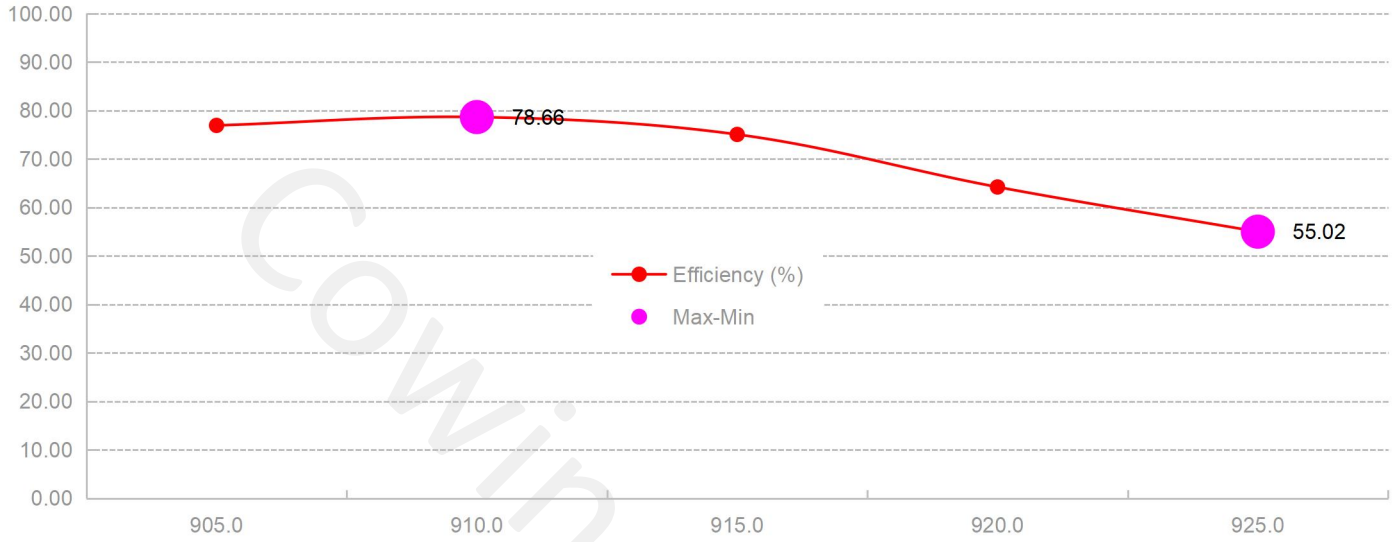


4.1 VSWR

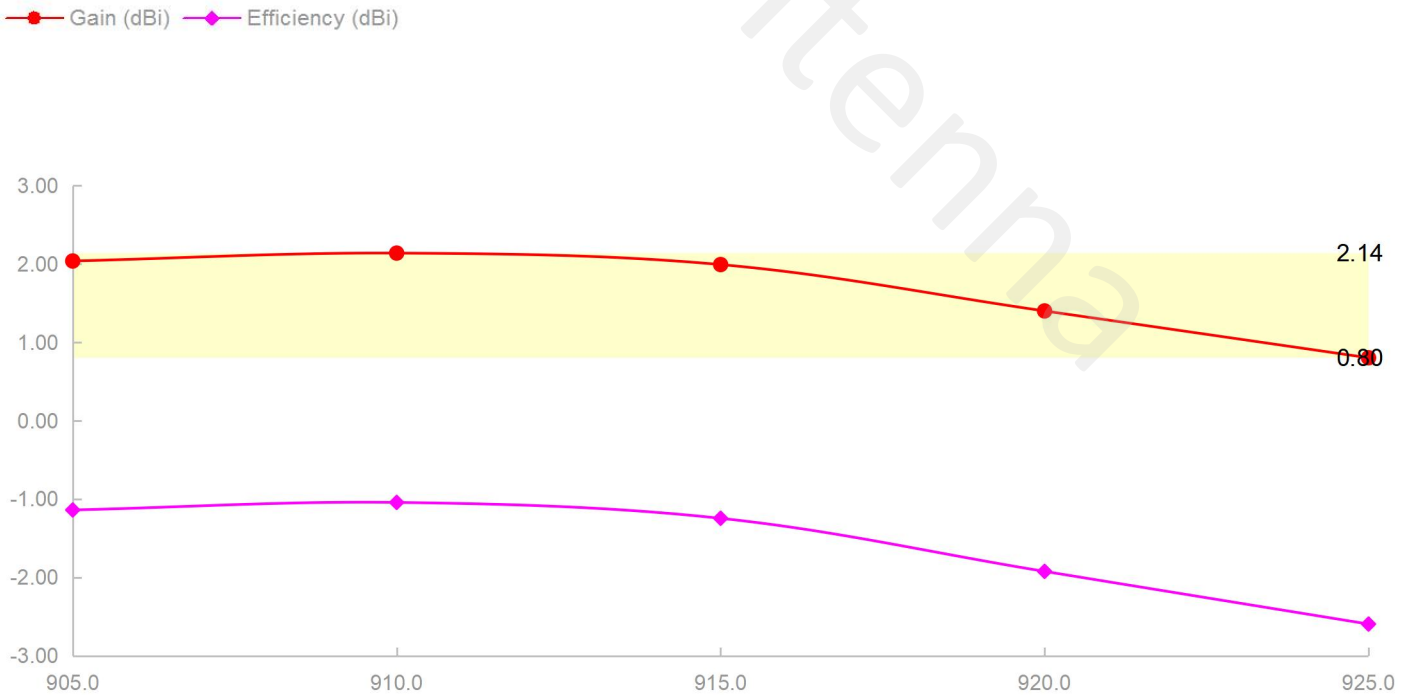


1/16/2023, 2:01 AM

4.2 Efficiency

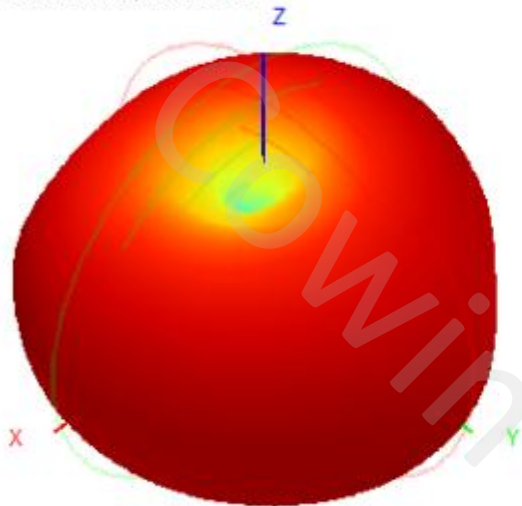


4.3 Peak gain

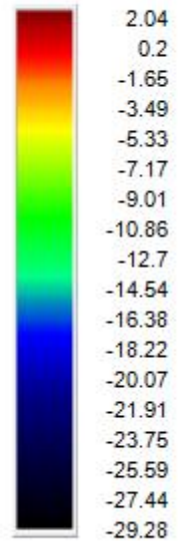
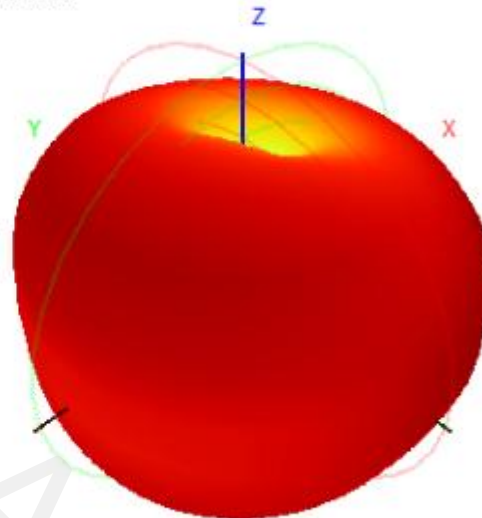


4.4 3D&2D Radiation Patterns

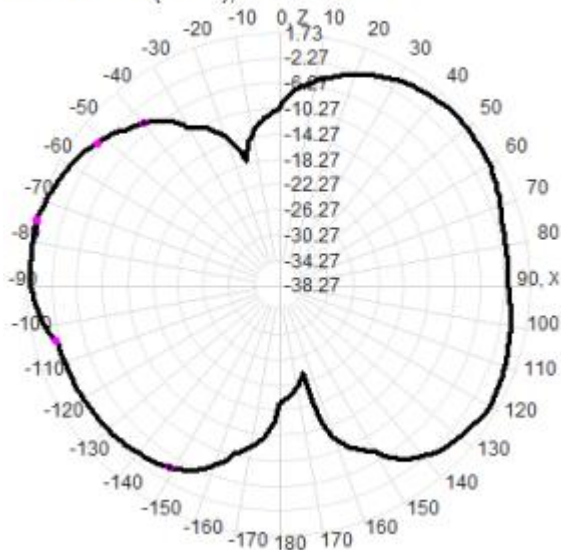
905.0MHz H+V, Eff: 76.9%



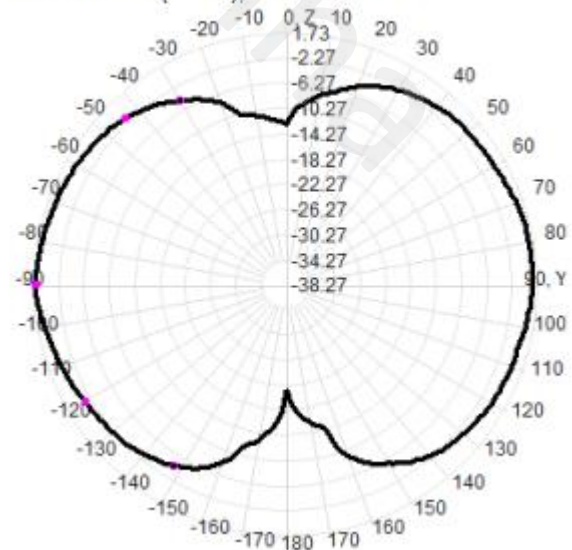
Back View



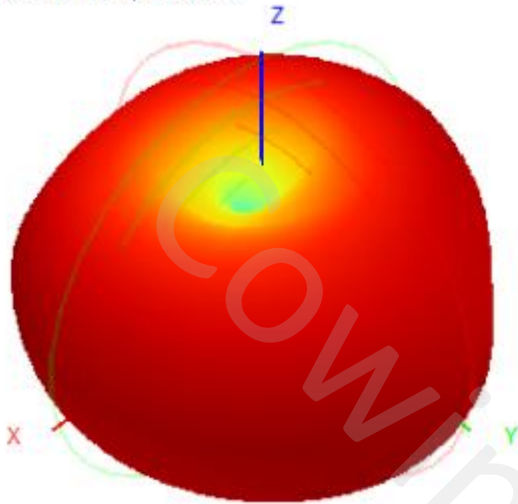
905.0MHz Total(E1-XZ), Max= 1.46dBi



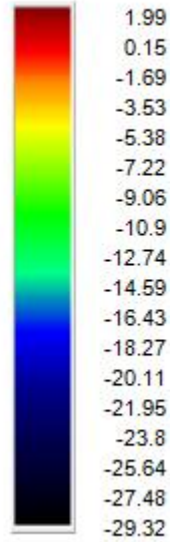
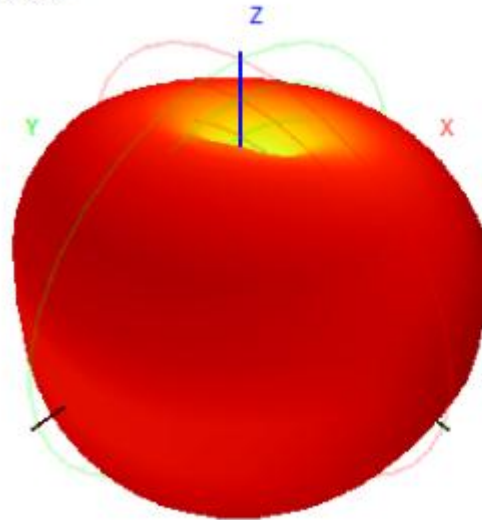
905.0MHz Total(E2-YZ), Max= 1.51dBi



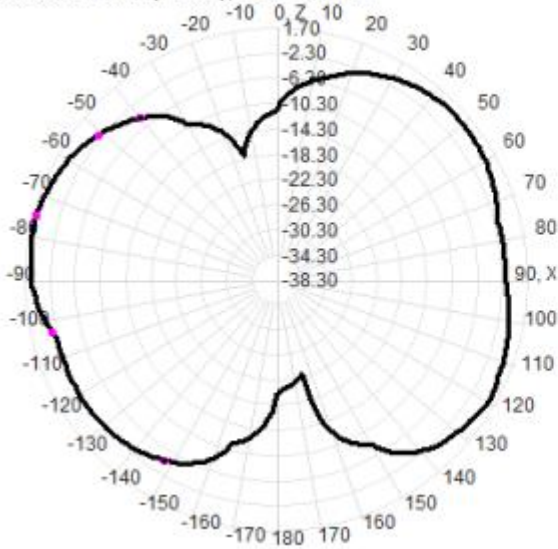
915.0MHz H+V, Eff: 75.1%



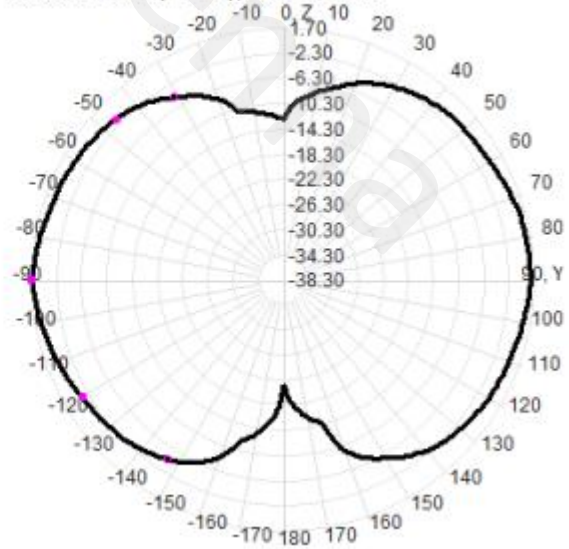
Back View



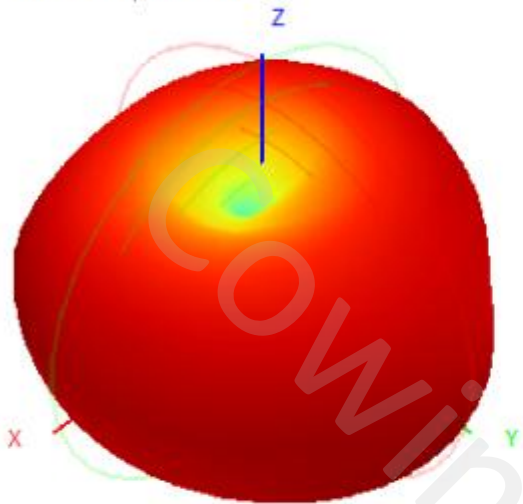
915.0MHz Total(E1-XZ), Max= 1.31dBi



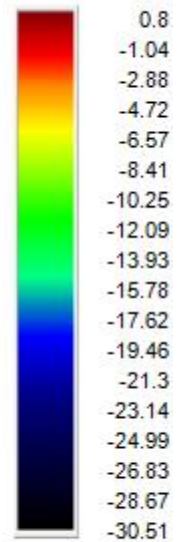
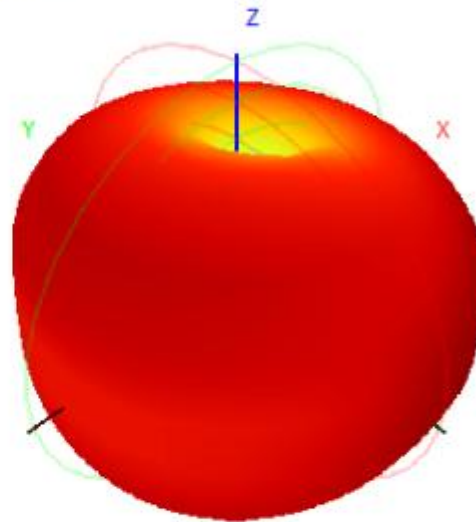
915.0MHz Total(E2-YZ), Max= 1.53dBi



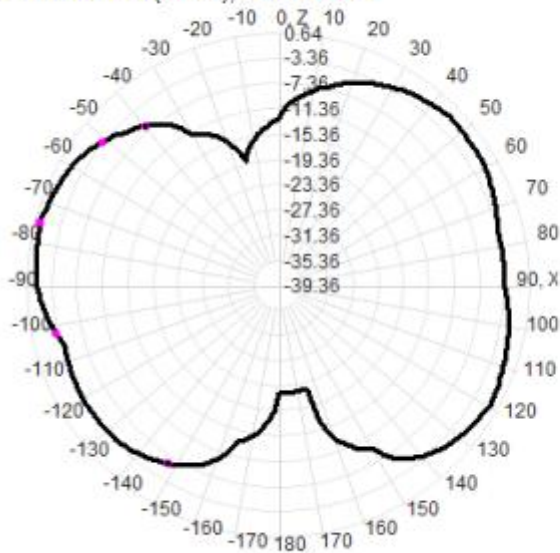
925.0MHz H+V, Eff: 55.0%



Back View



925.0MHz Total(E1-XZ), Max= -0.21dBi



925.0MHz Total(E2-YZ), Max= 0.54dBi

