

CW-WZ-0145

868MHZ/915MHZ External Antenna

Key Features

Frequency:868MHZ/915MHZ

SMA Connector

Dimensions:158*17mm

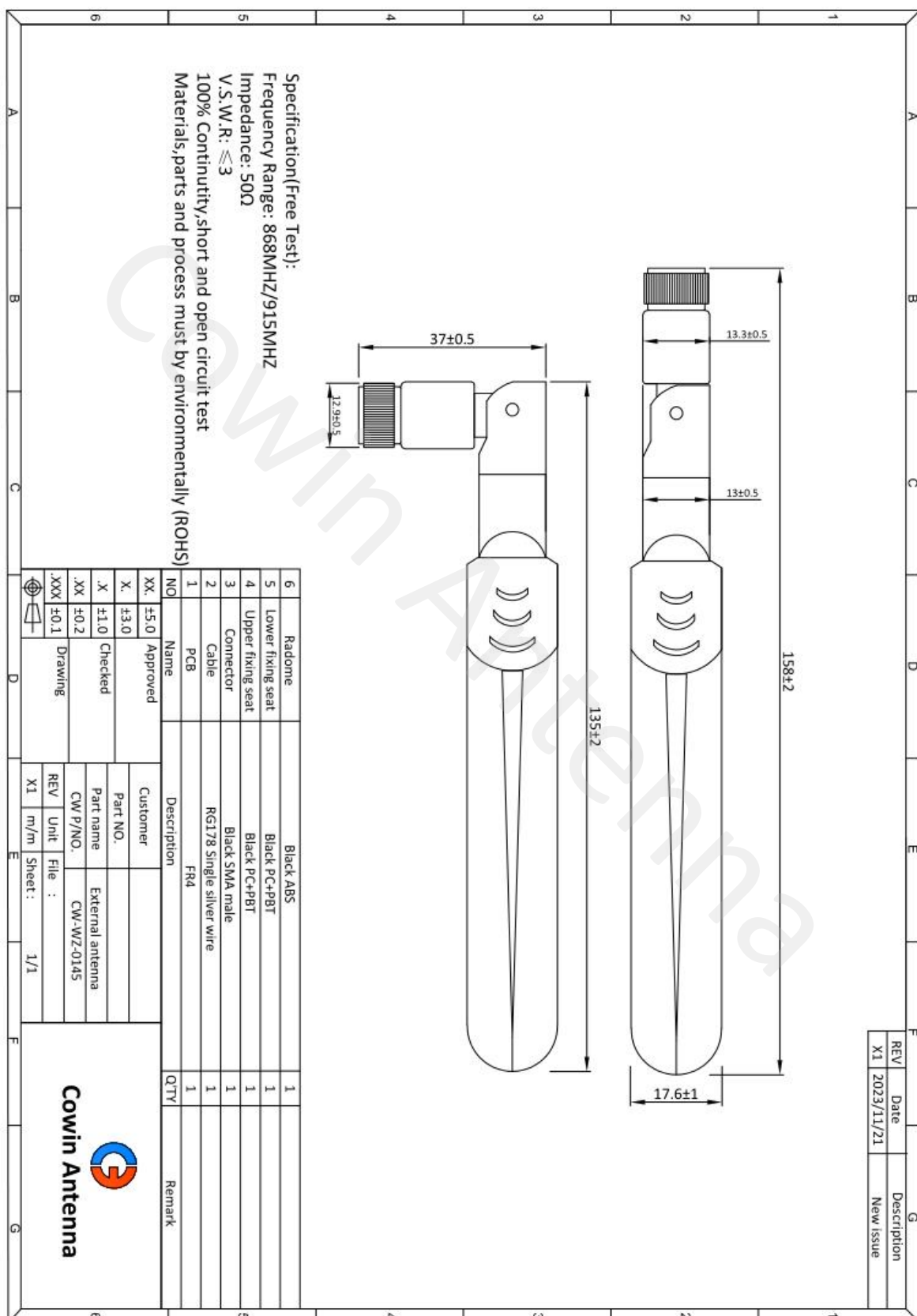


1. Antenna Electrical Characteristics

Band (MHz)	
Frequency (MHz)	866MHZ/915MHZ
VSWR	≤3.0
Efficiency (%)	60.9%
Peak Gain (dBi)	2.55
Impedance (Ohm)	50
Polarisation	Vertical
Max. Input Power (W)	10
Connector Type	SMA

2. Material and environmental characteristics

External structure	ABS/PC+PBT
Inner structure	PCB
Cable Type	RG178
Connector Type	SMA
Dimensions (mm)	158*17 MM
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

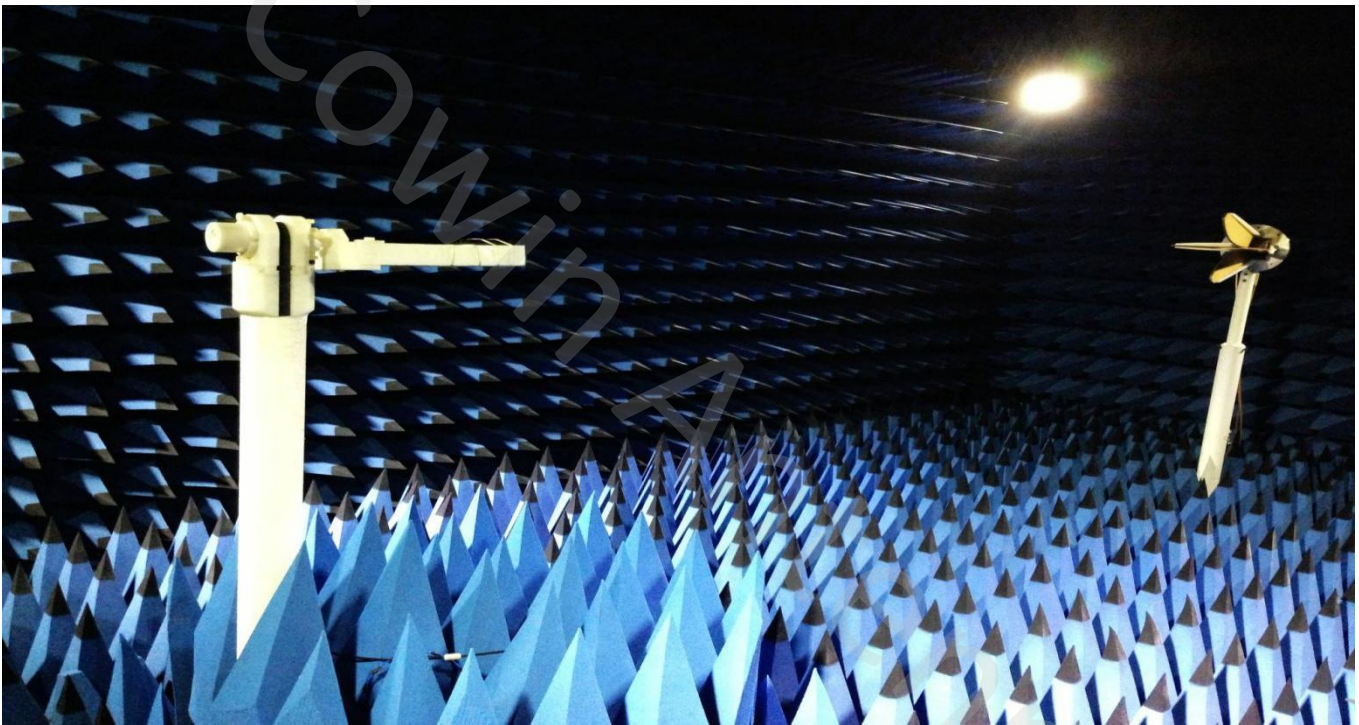
Antenna Measurement Conditions:

Mounted on Ground Plane of 280 x 80 mm

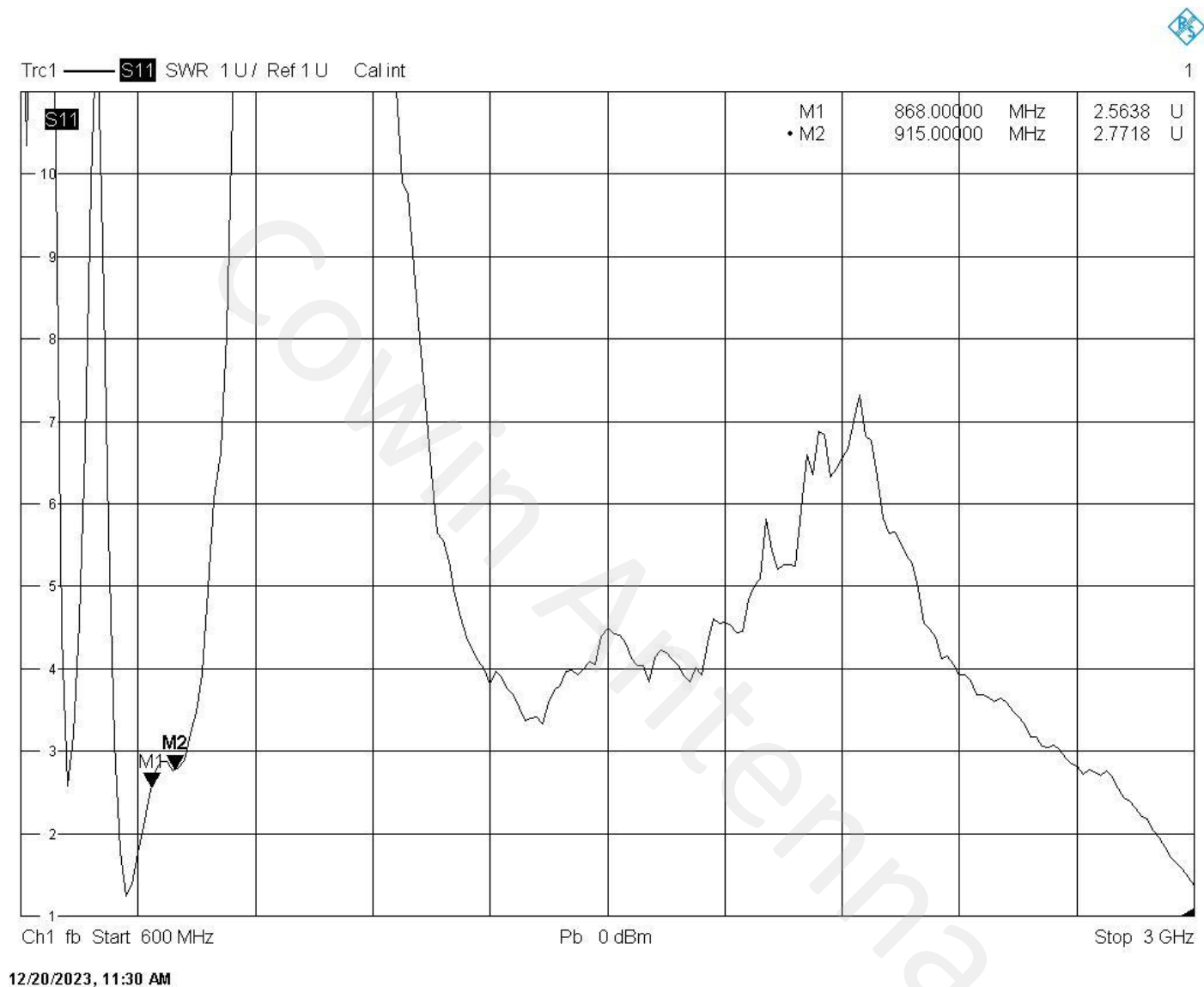
Measured in Certified 3D Anechoic Chamber

The network analyzer is Agilent 5071c

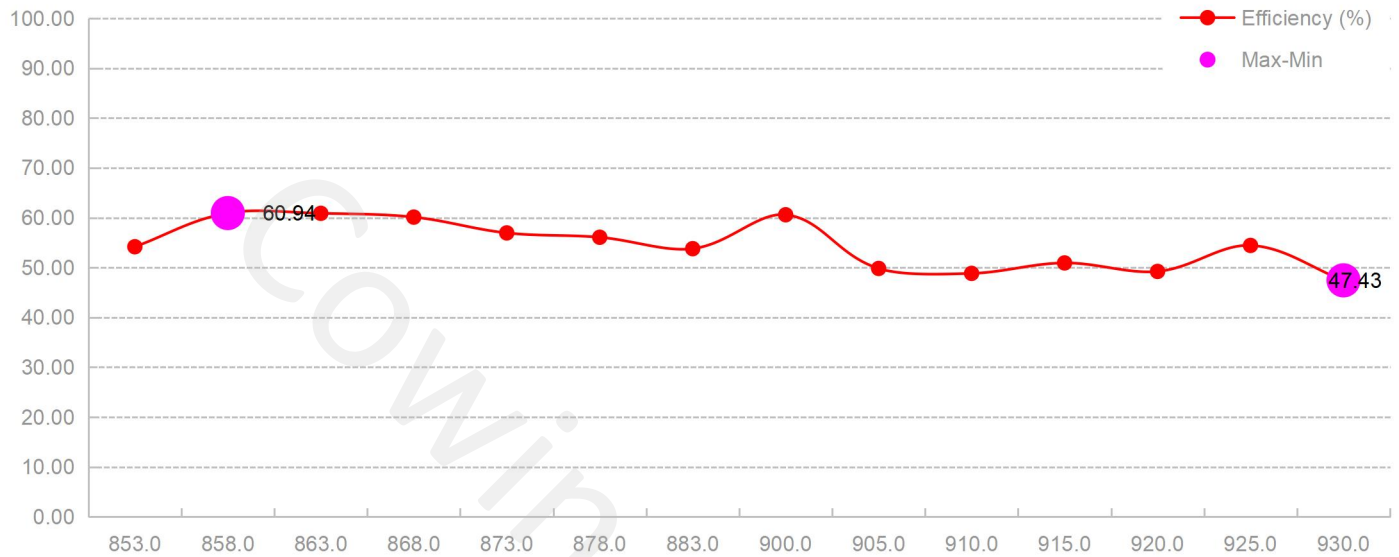
The comprehensive tester is Agilent cmv500



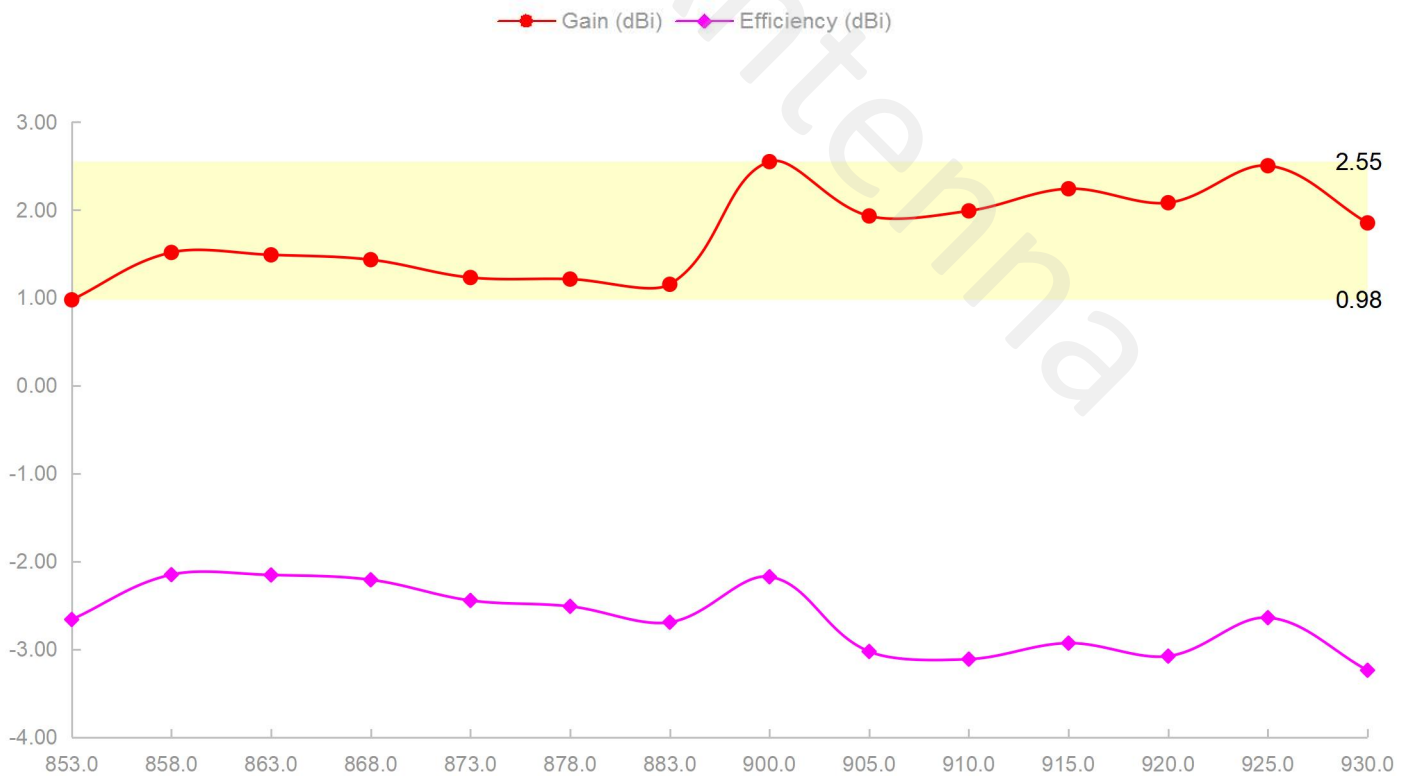
4.1 VSWR



4.2 Efficiency



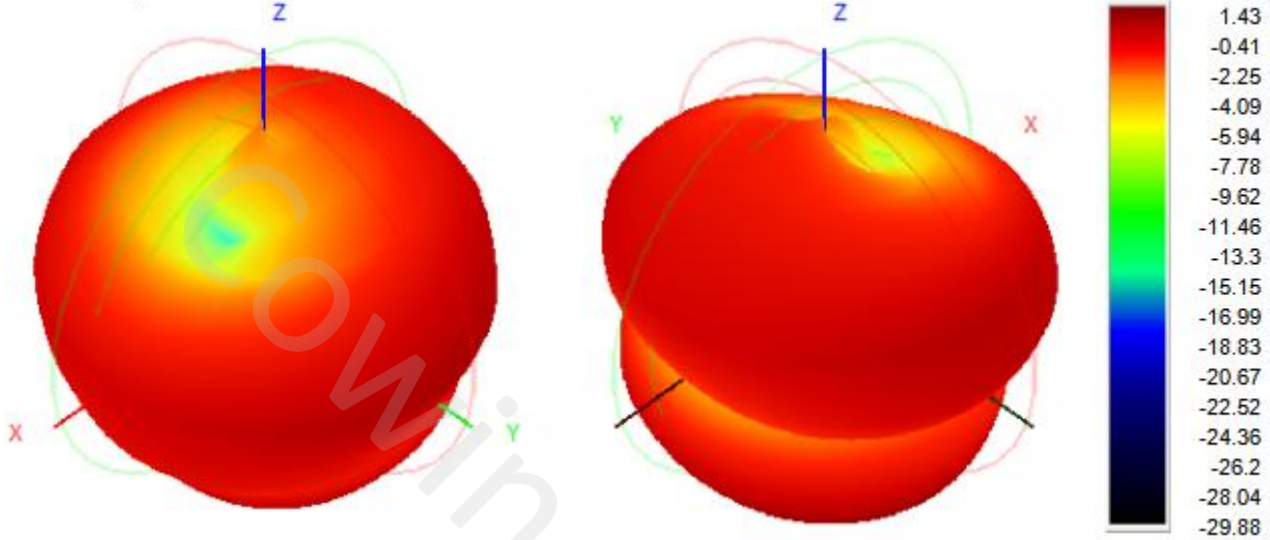
4.3 Peak gain



4.4 3D&2D Radiation Patterns

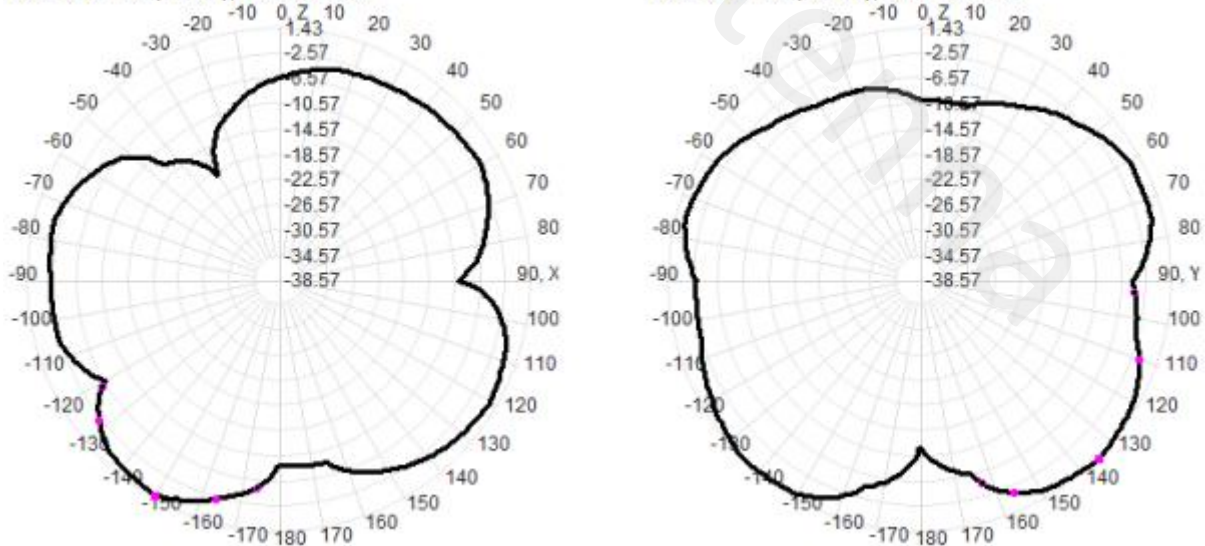
868.0MHz H+V, Eff: 60.1%

Back View



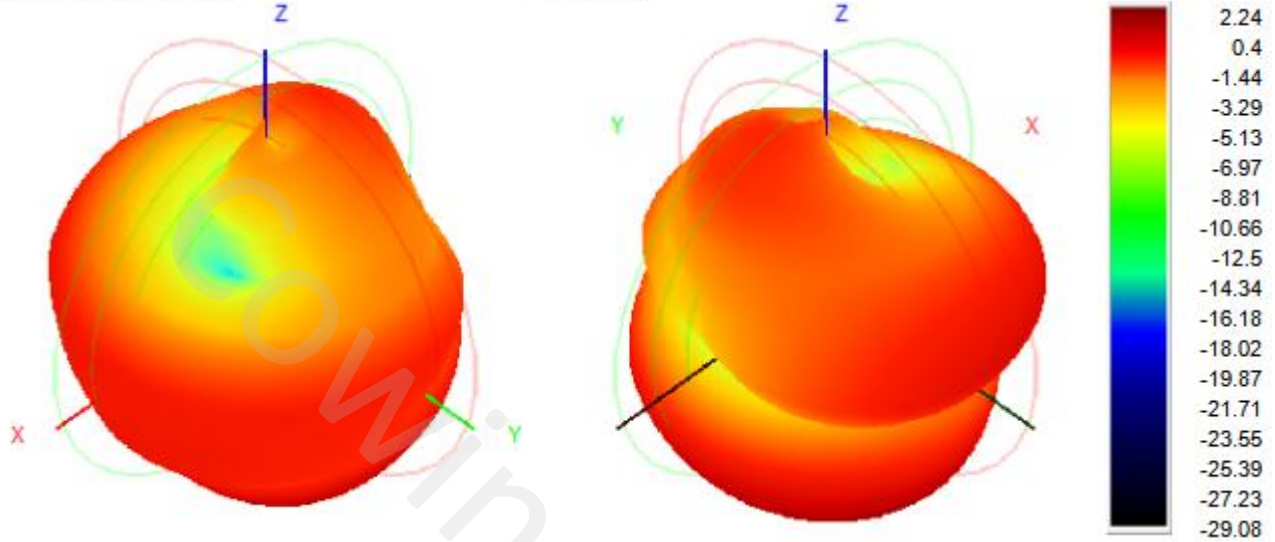
868.0MHz Total(E1-XZ), Max= 0.68dBi

868.0MHz Total(E2-YZ), Max= 1.43dBi



915.0MHz H+V, Eff: 50.9%

Back View



915.0MHz Total(E1-XZ), Max= 1.77dBi

915.0MHz Total(E2-YZ), Max= 1.86dBi

