

CW-WZ-0085

2.4-2.5G External Directional Antenna

Key Features

Frequency: 2.4-2.5G

SMA Male Connector

External Rubber

Dimensions 108.5*90 mm



1. Antenna Electrical Characteristics

Band (MHz)	
Frequency (MHz)	2.4-2.5G
VSWR	2:1
Efficiency (%)	89.79%
Peak Gain (dBi)	8.22
Impedance (Ohm)	50
Polarisation	Vertical
Max. Input Power (W)	10
Connector Type	SMA Male

2. Material and environmental characteristics

Inner structure	Tinplate
Material of Plastic	ABS/POM
Cable Type	RF1.37
Connector Type	SMA Male
Dimensions (mm)	108.5*90MM
Antenna color	Black
Operation Temperature	-40 to +80
Storage Temperature	-40 to +80
Antenna Storage life(year)	10
Substance Compliance	ROHS

						REV		Date	Description
						X1	2022/05/18	New issue	

4. Antenna test parameters

Antenna Measurement Conditions:

Mounted on Ground Plane of 280 x 80 mm

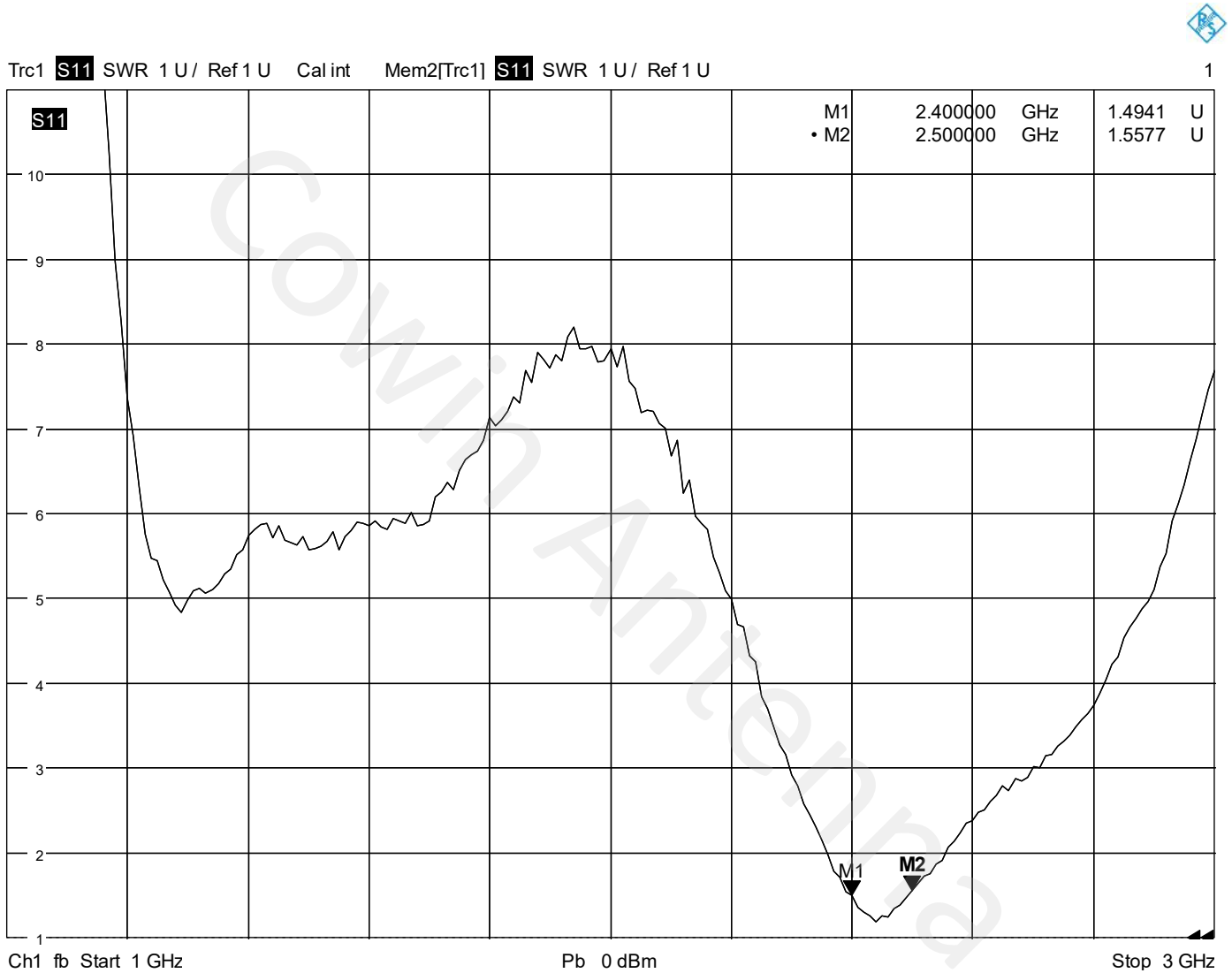
Measured in Certified 3D Anechoic Chamber

The network analyzer is Agilent 5071c

The comprehensive tester is Agilent cmv500

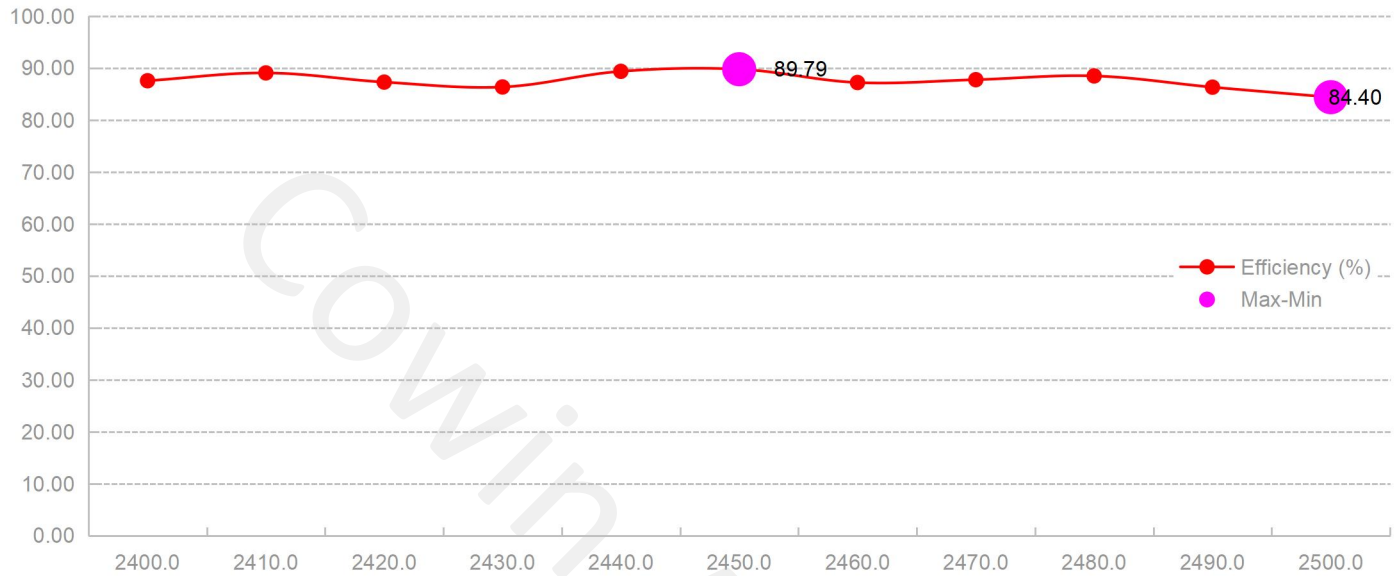


4.1 VSWR

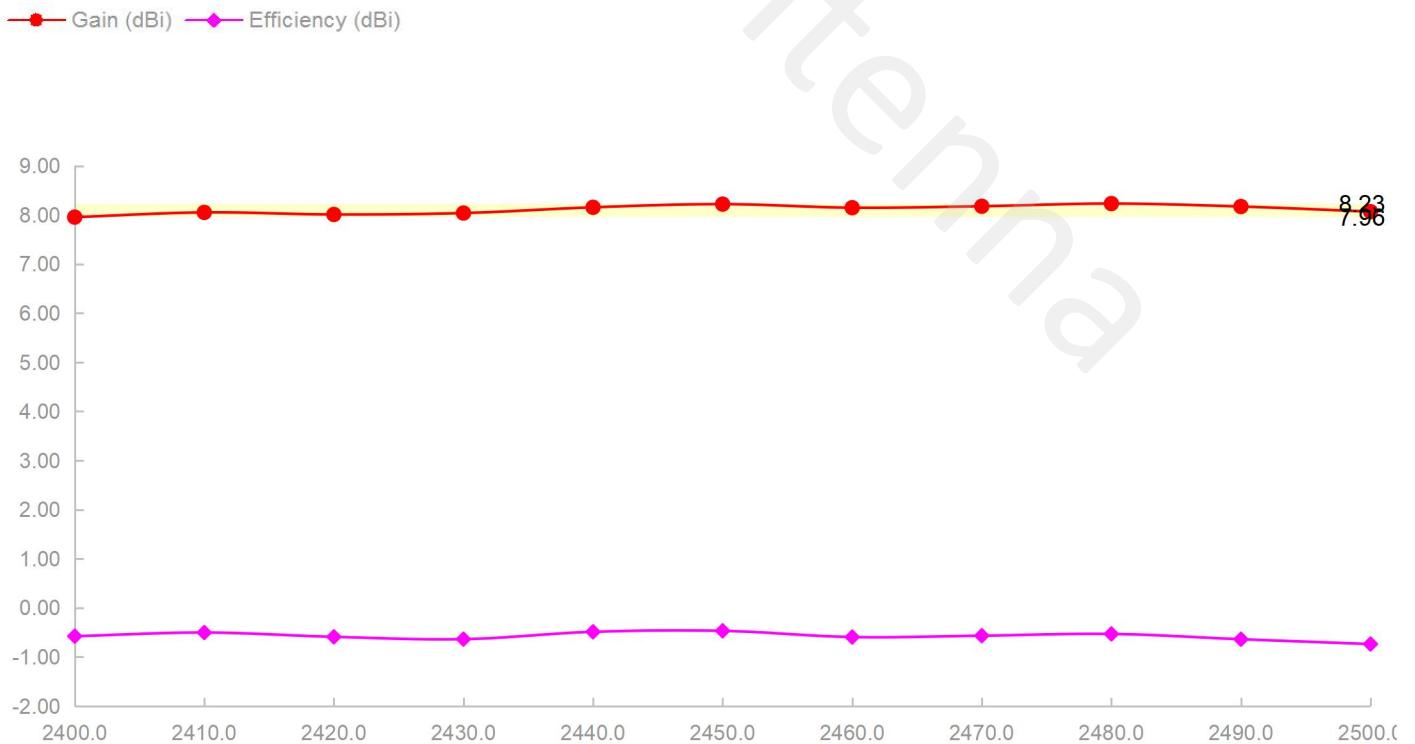


5/16/2022, 12:13 AM

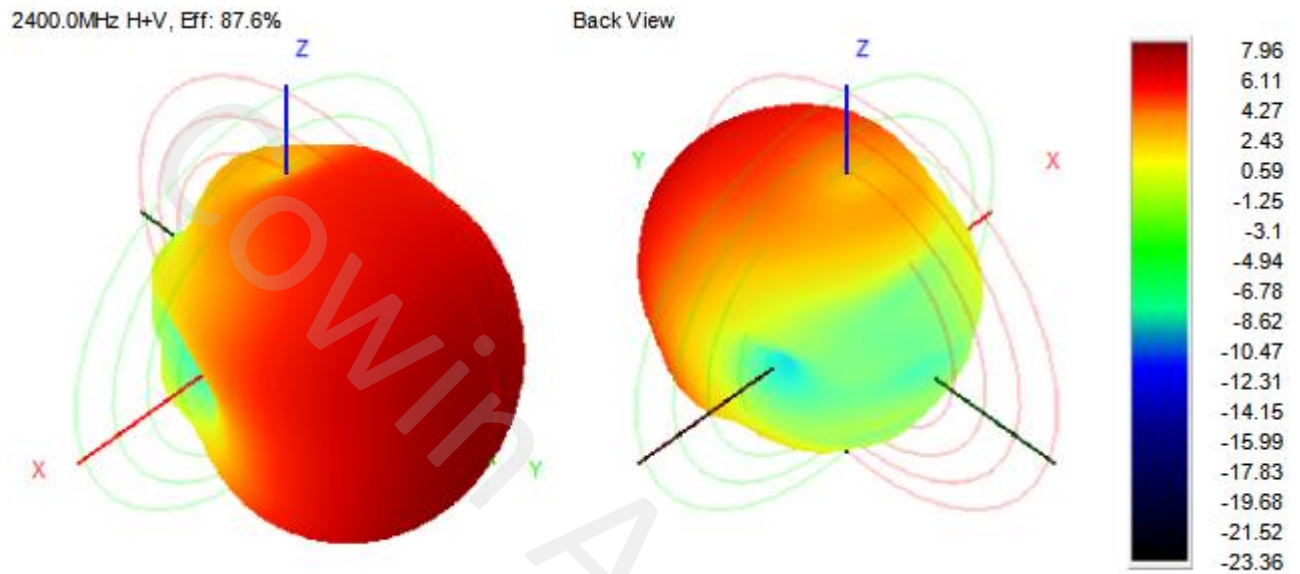
4.2 Efficiency



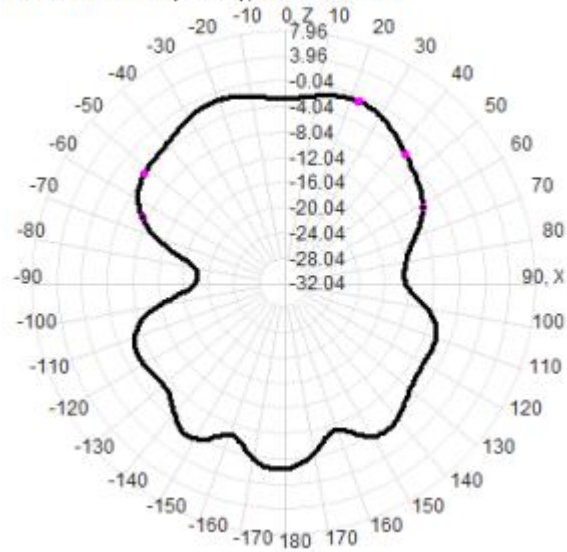
4.3 Peak gain



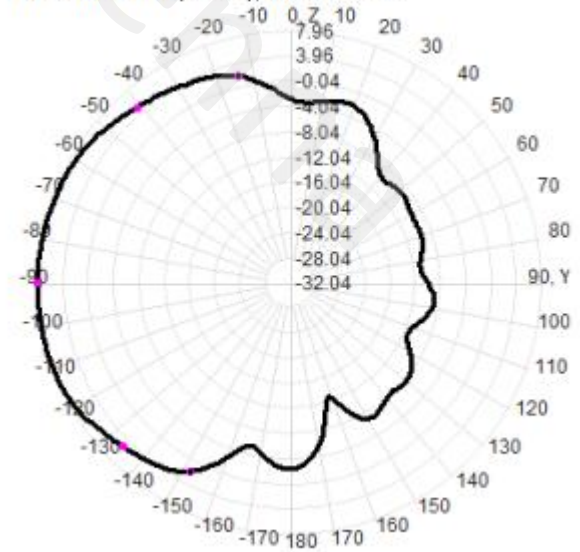
4.4 3D&2D Radiation Patterns



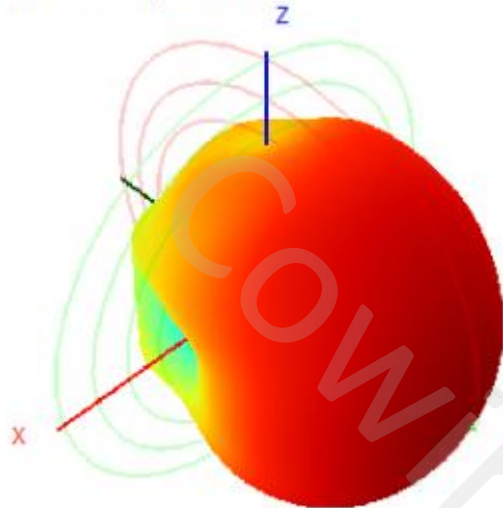
2400.0MHz Total(E1-XZ), Max= -0.88dBi



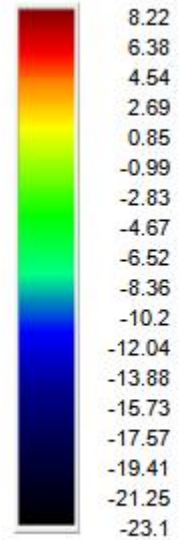
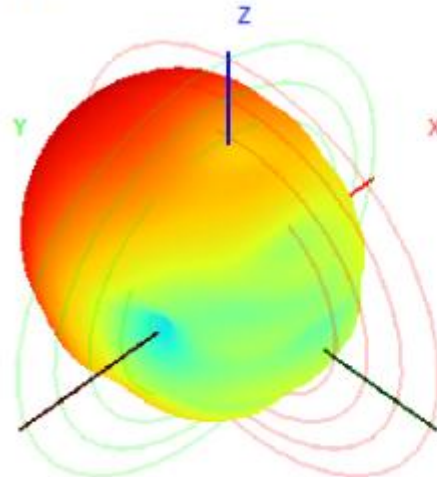
2400.0MHz Total(E2-YZ), Max= 7.96dBi



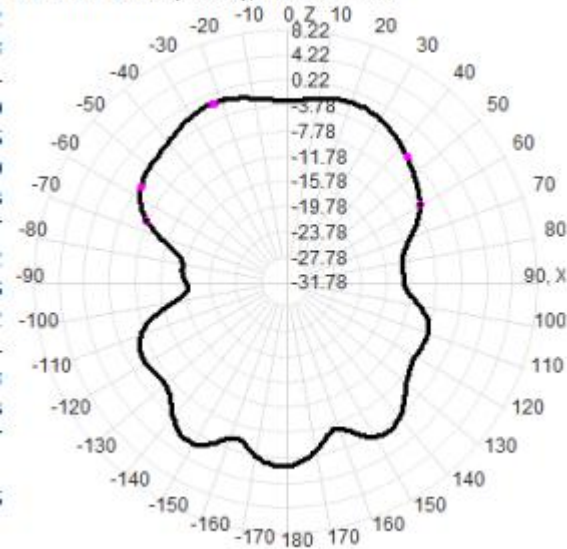
2450.0MHz H+V, Eff: 89.8%



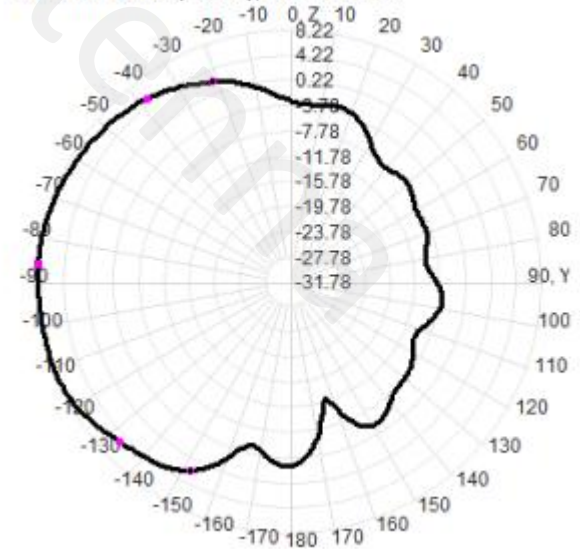
Back View



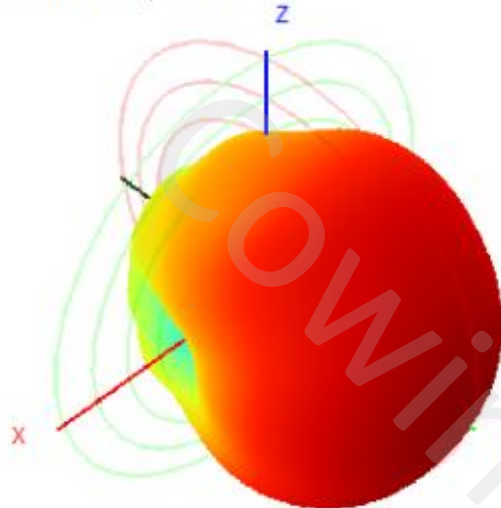
2450.0MHz Total(E1-XZ), Max= -1.20dBi



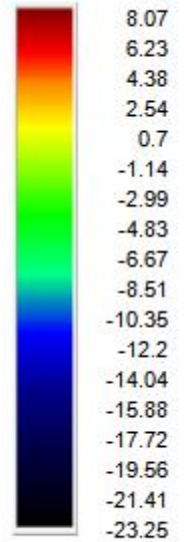
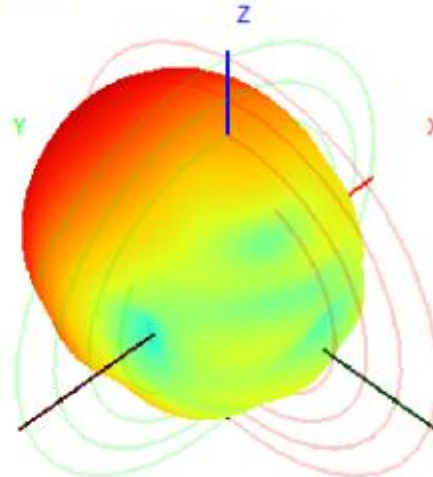
2450.0MHz Total(E2-YZ), Max= 8.22dBi



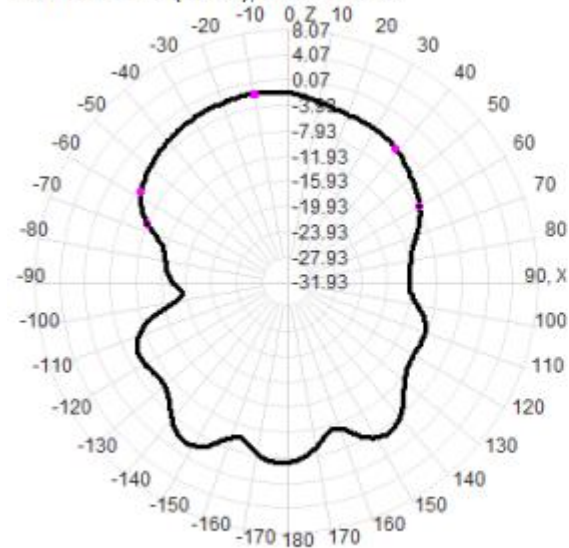
2500.0MHz H+V, Eff: 84.4%



Back View



2500.0MHz Total(E1-XZ), Max= -1.58dBi



2500.0MHz Total(E2-YZ), Max= 8.07dBi

