CW-LS-0078

2400-2500MHz Internal Antenna

Cowin Antenna

Key Features

Frequency: 2400-2500MHz

IPEX Connector

Dimensions: 40*6mm

1. Antenna Electrical Characteristics

Band (MHz)	
Frequency (MHz)	2400-2500
VSWR	≤2.0
Efficiency (%)	57.54
Peak Gain (dBi)	4.71
Impedance (Ohm)	50
Polarisation	Vertical
Max. Input Power (W)	10

2. Material and environmental characteristics

External Structure	/
Inner Structure	FPC
Cable Type	RF1.13
Connector Type	IPEX
Dimensions (mm)	40*6
Antenna Color	Black
Operation Temperature	-40℃ to +80℃
Storage Temperature	-40℃ to +80℃
Antenna Storage life(year)	10
Substance Compliance	ROHS

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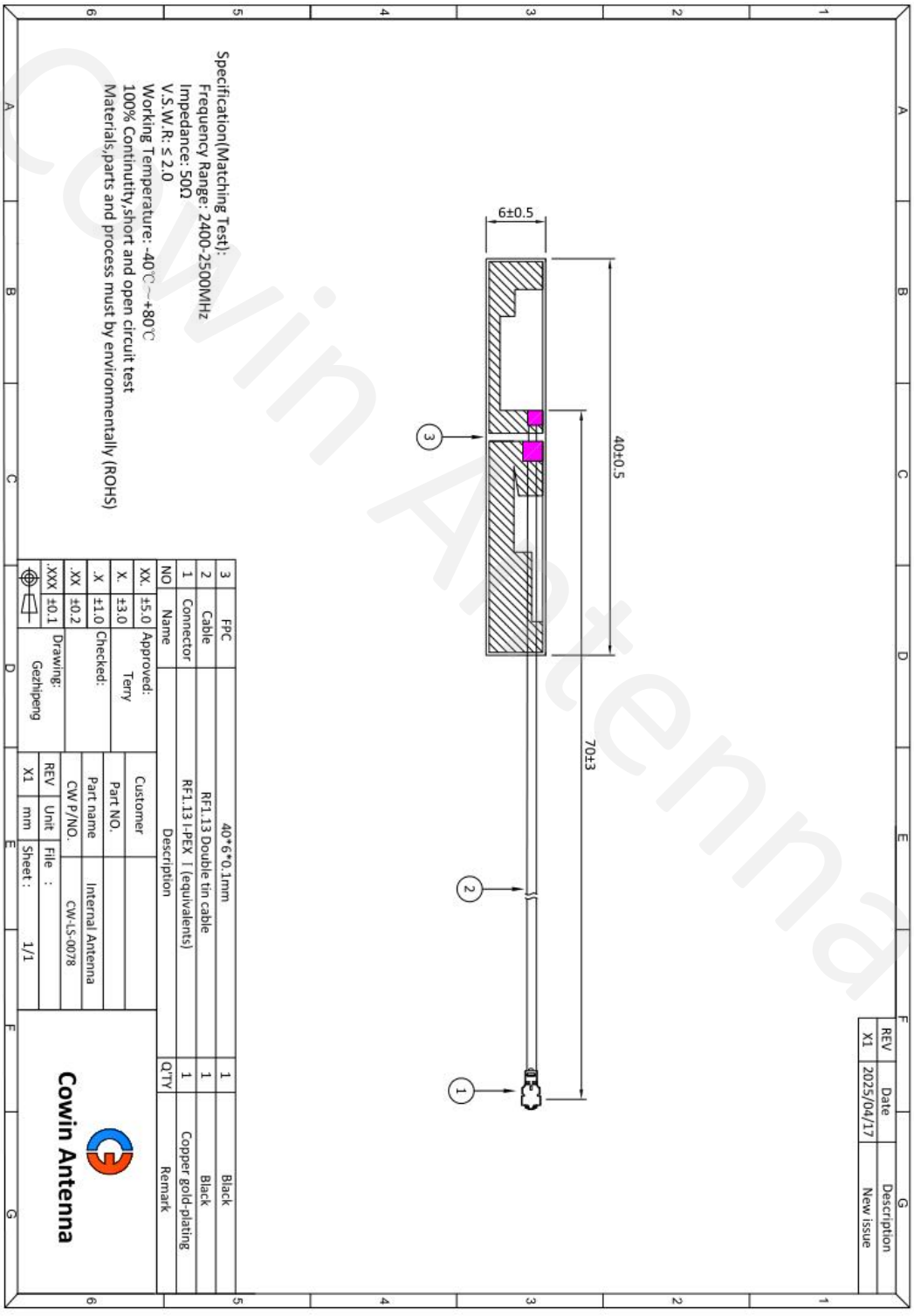
3. Product Drawing



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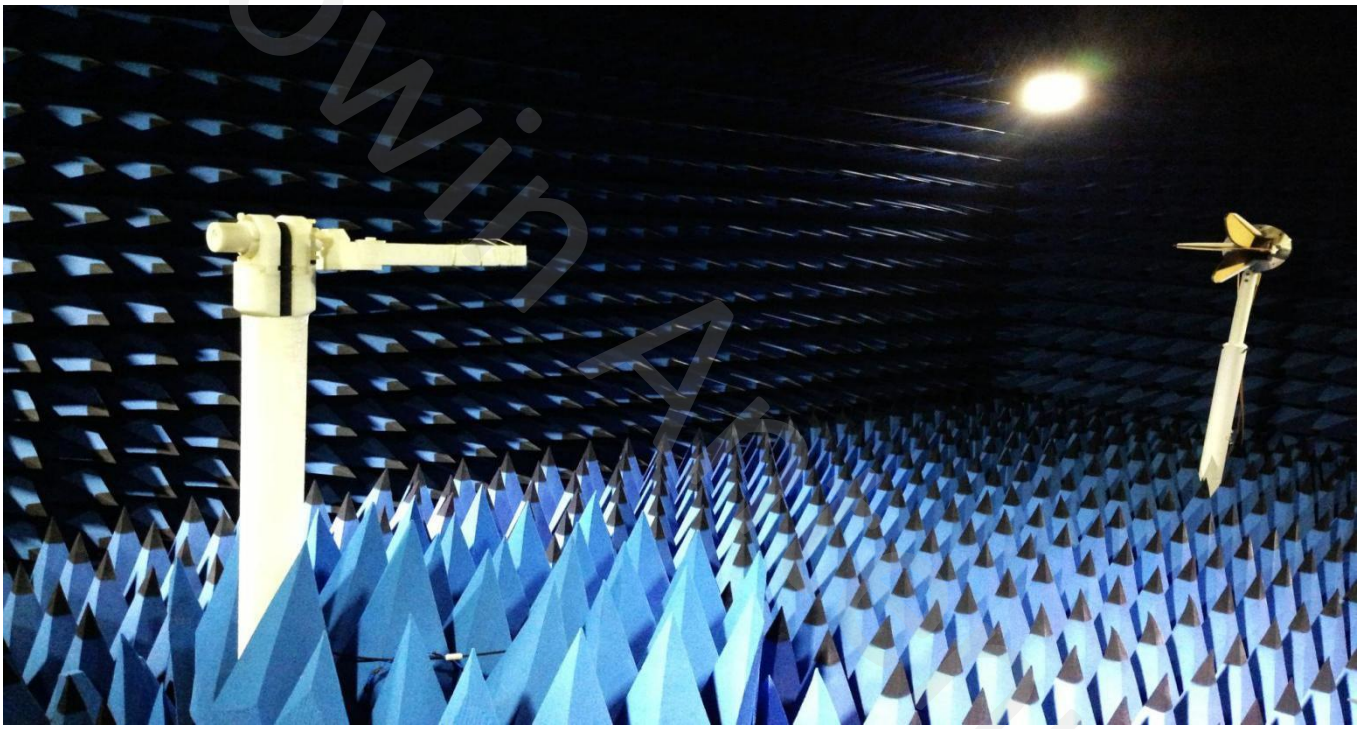
4. Antenna test parameters

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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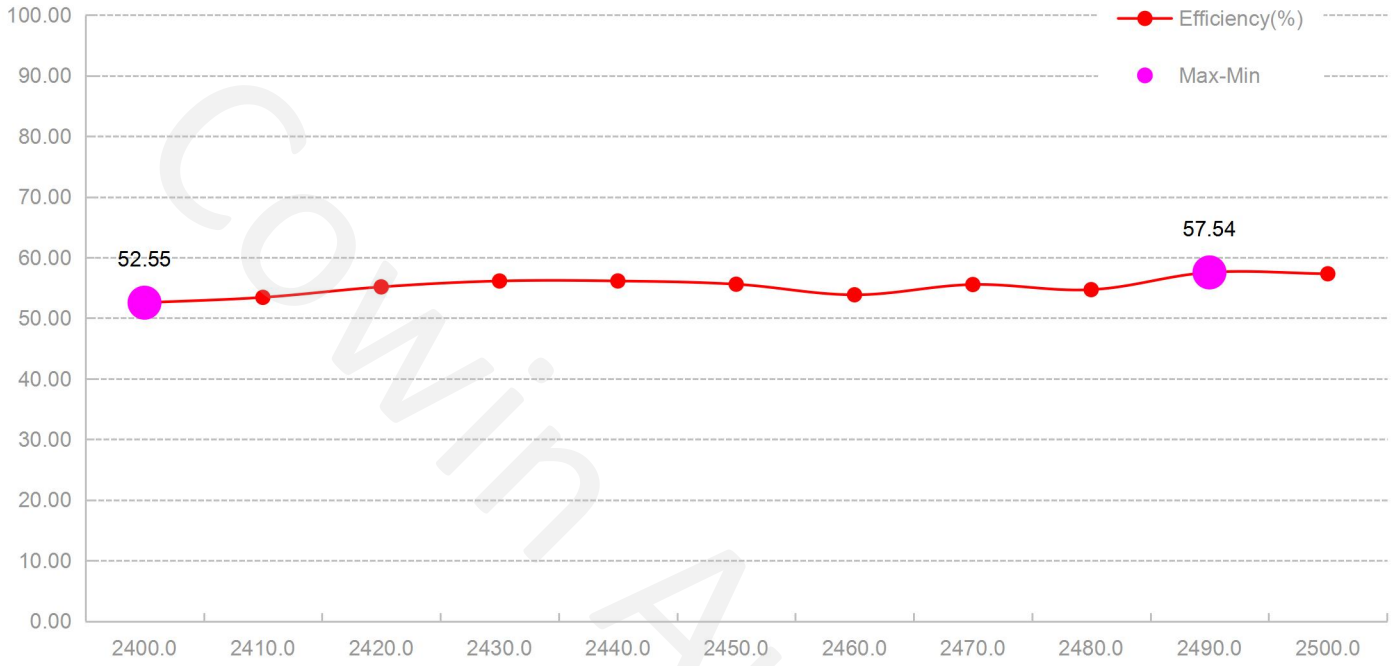
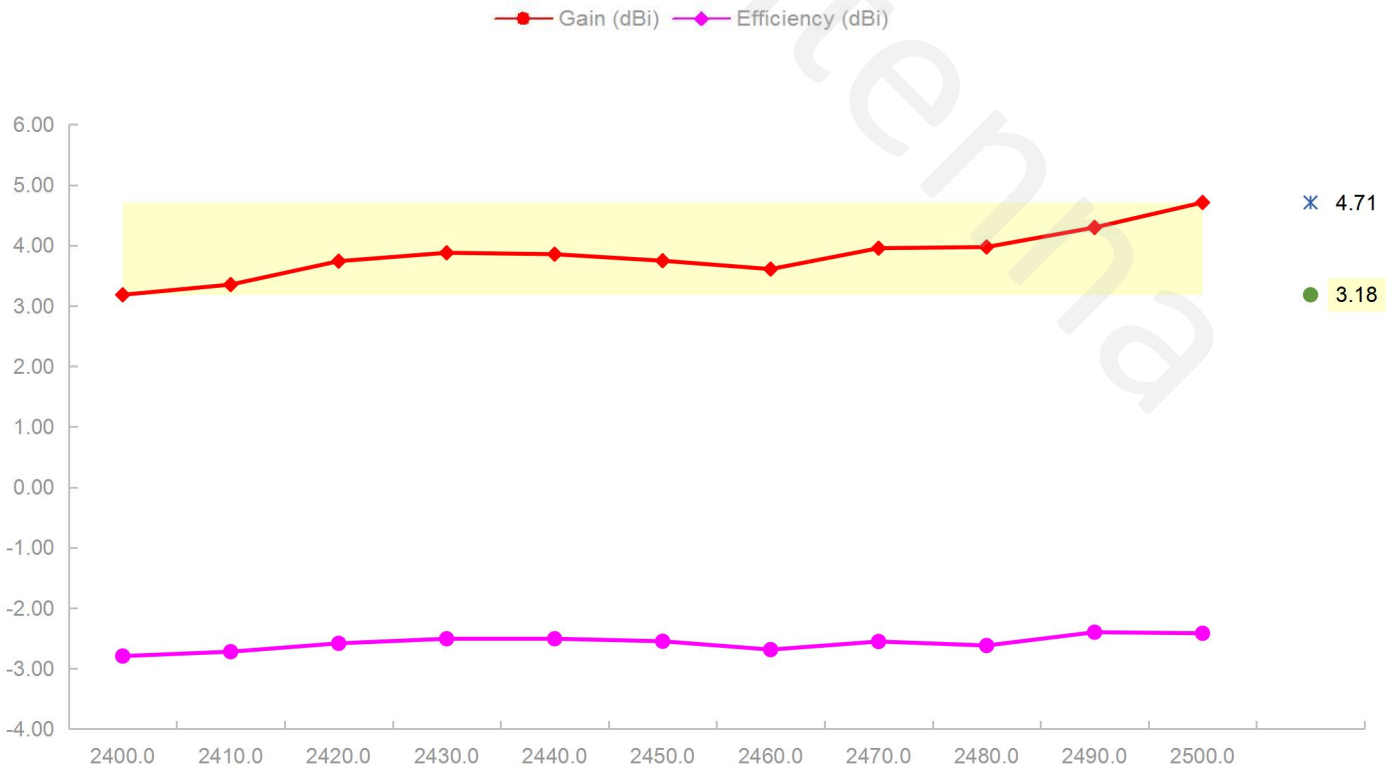
4.2 Efficiency



4.3 Peak gain



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4.4 Data summary

	Frequency (MHz)	Gain (dBi)	Efficiency (%)
1	2400.0	3.18	52.55
2	2410.0	3.35	53.43
3	2420.0	3.74	55.16
4	2430.0	3.88	56.13
5	2440.0	3.85	56.13
6	2450.0	3.75	55.59
7	2460.0	3.61	53.85
8	2470.0	3.95	55.54
9	2480.0	3.97	54.70
10	2490.0	4.30	57.54
11	2500.0	4.71	57.32

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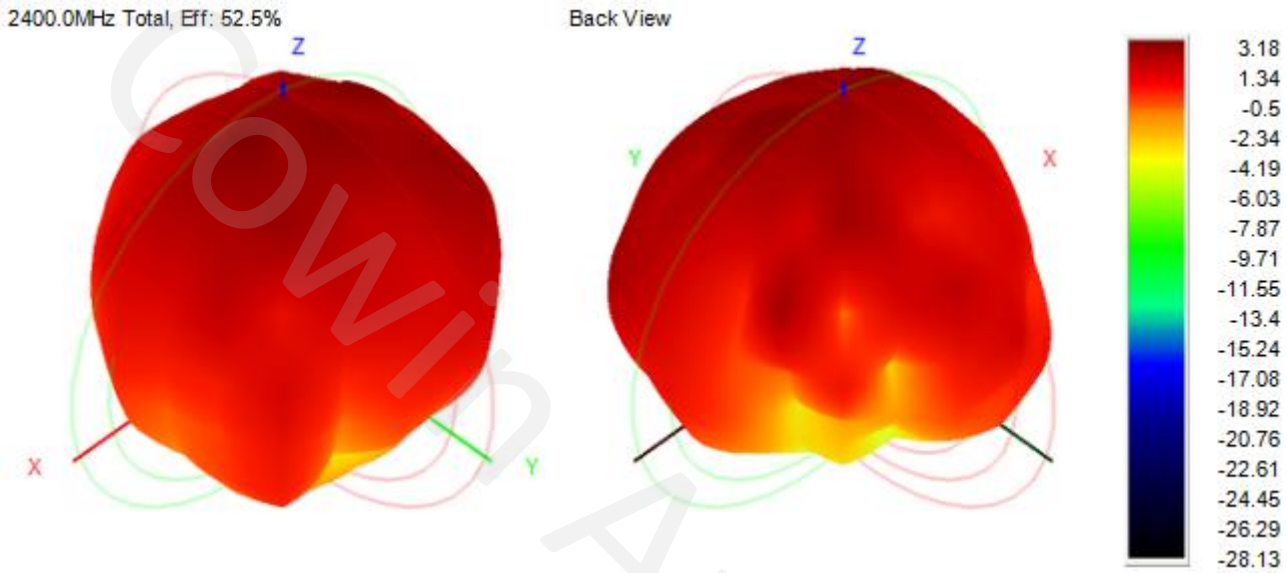
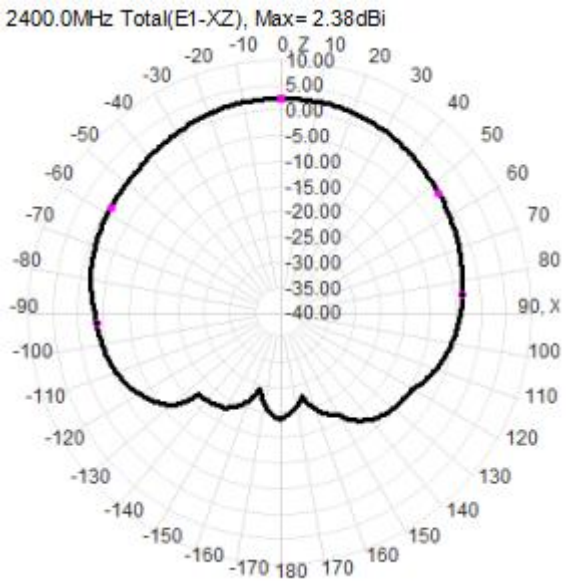
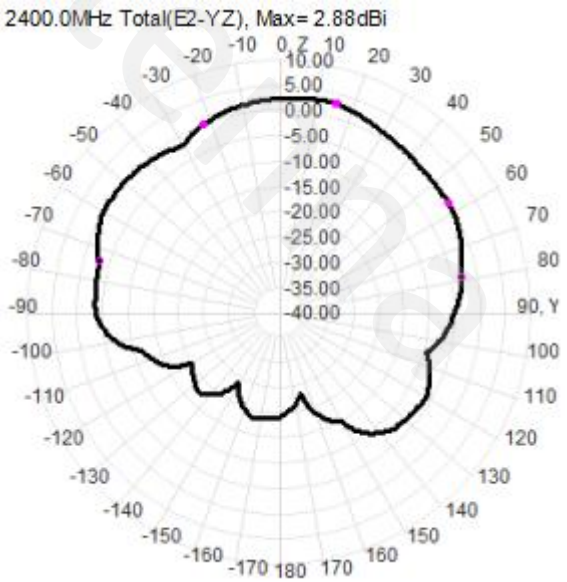
4.5 3D&2D Radiation Patterns







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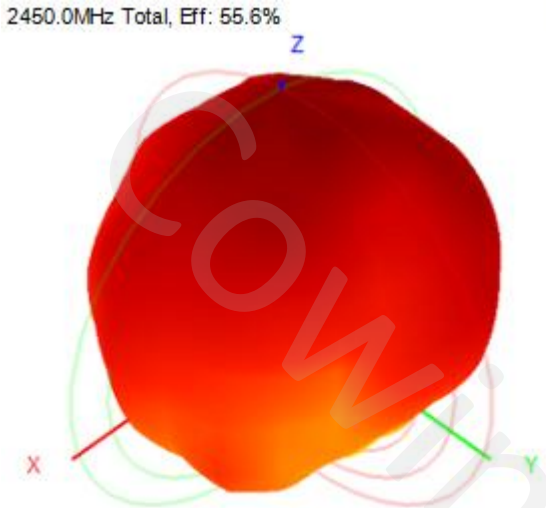

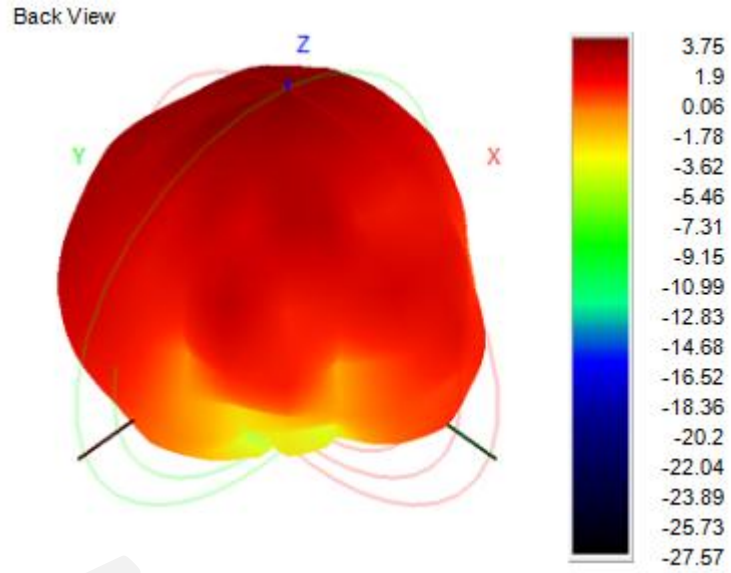

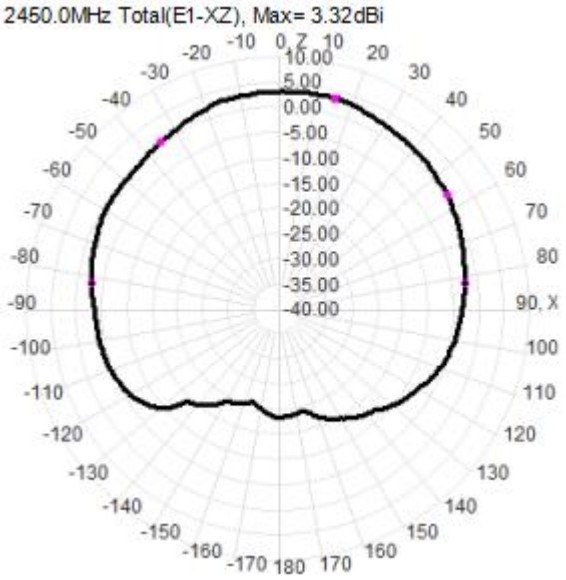

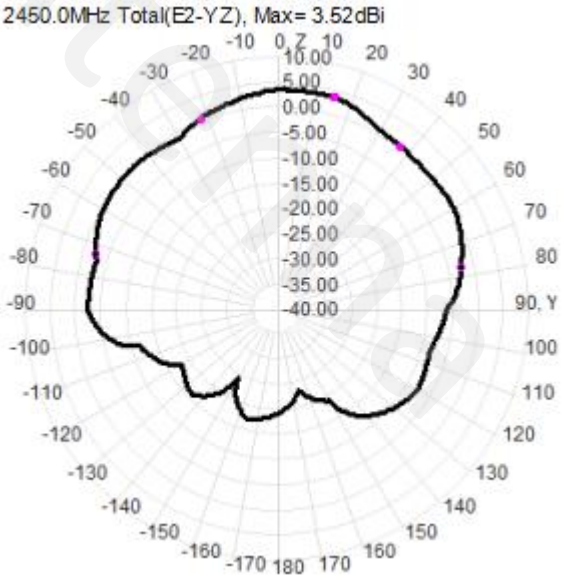

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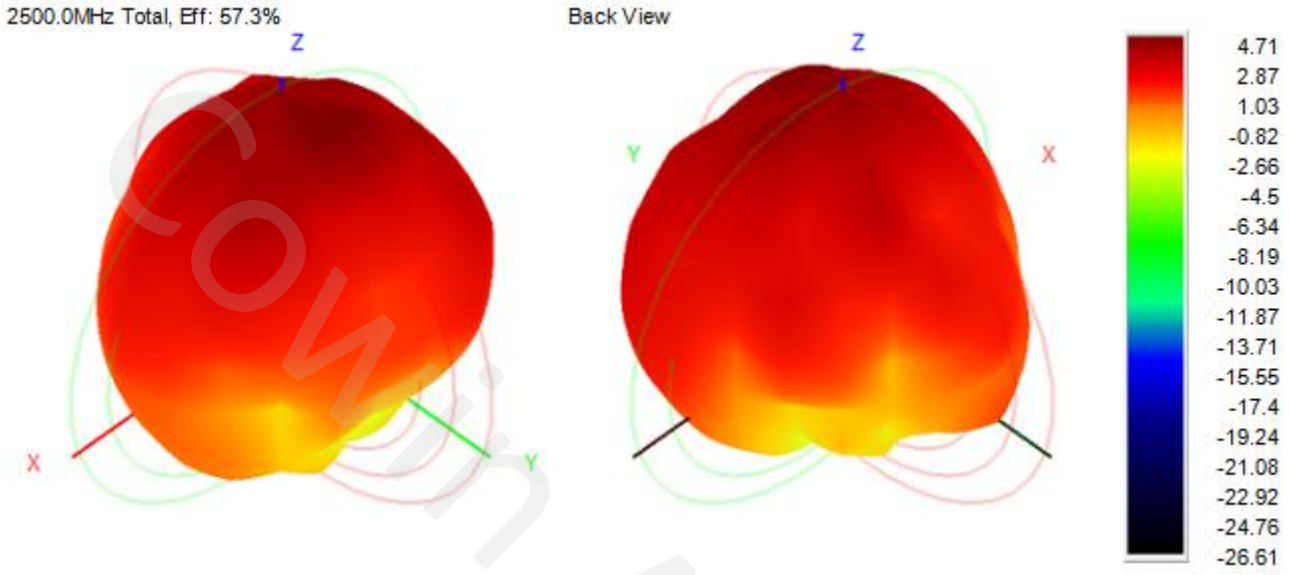

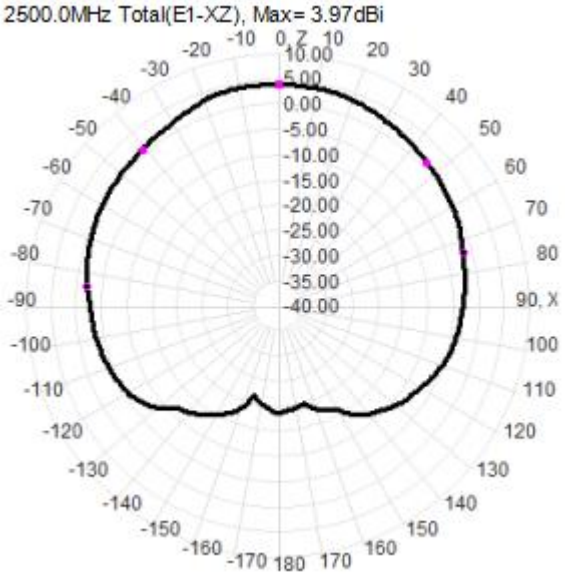

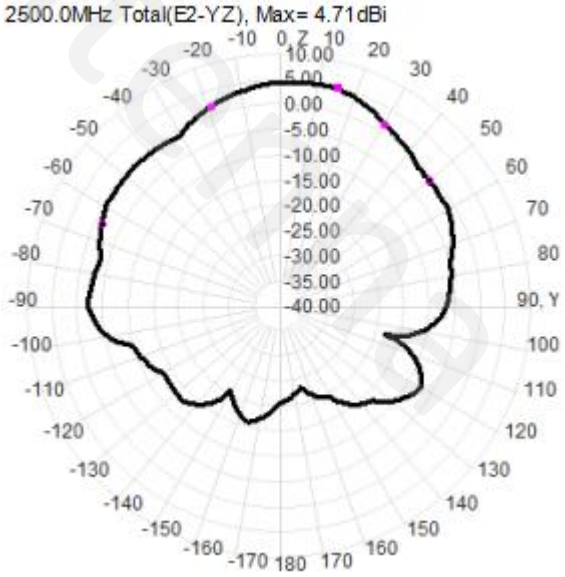

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4.6 Active Data

		Channel		
			trp(6M)	tis(54)
2.4g	802.11g	1	13.23	-78.7
		6	13.36	-75.89
		13	13.08	-80.27

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