

Antenna Specification

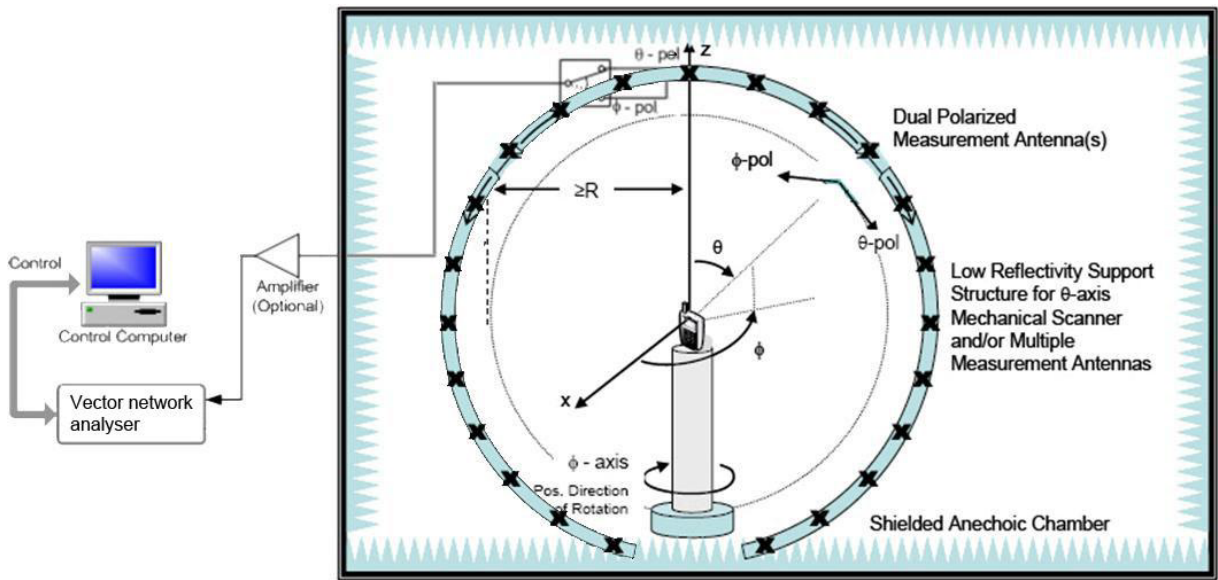
ITEM	ANT SPEC	
Model Name	2.4G ANT	
Center Frequency	2402MHz	
Operating Frequency	2400MHz-2404MHz	
OCW	N/A	
Operating Temperature Range	125℃	
Number of channels	1	
Antenna Assembly	PCB antenna	Type
	-7.18dBi	Gain
Output power	≤3dBm	
Modulation Type	GFSK	
Adaptivity	N/A	
Polarization	Linear Polarization	
Azimuth Beam Pattern	Directional	
Impedance	50 Ohm	
Antenna Size	24.2mm*15mm	
Manufacture	Zhongshan Fentengda Electronic Technology Co., Ltd. Area A, 3th Floor, Wanwei LED Lighting Plaza, Zhongshan City, No. 59, Tongxing Road, Guzhen Town, Zhongshan City	
Trademark		

Test Results

Gain

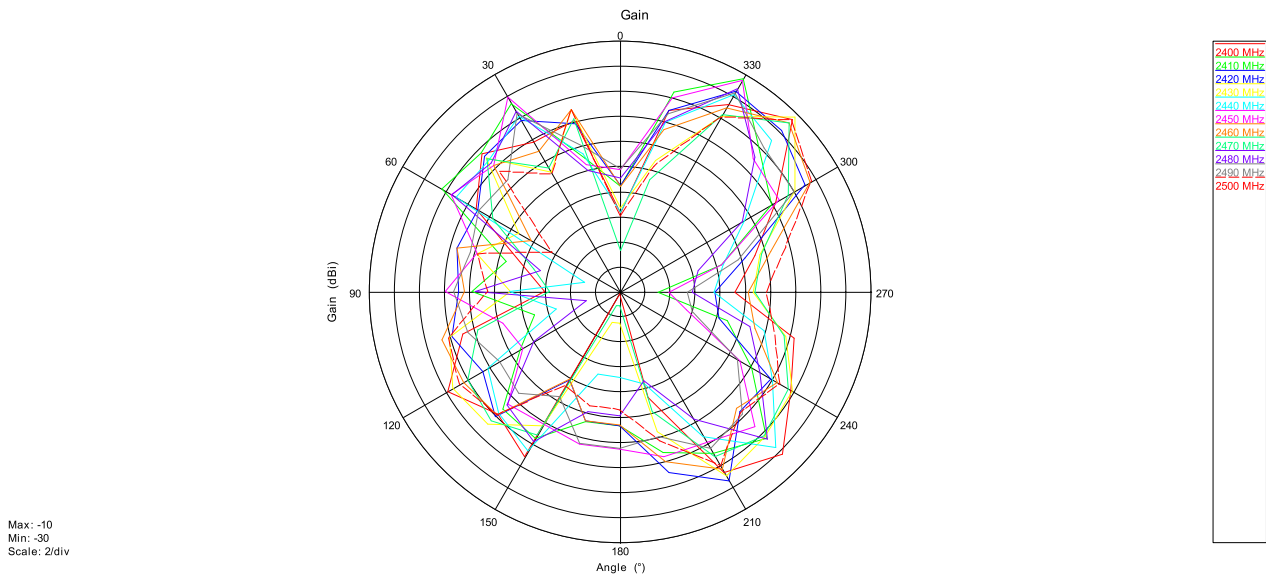
Frequency (MHz)	Gain(dBi)
2400	-7.18
2410	-8.19
2420	-8.04
2430	-8.66
2440	-7.92
2450	-8.44
2460	-9.13
2470	-8.73
2480	-8.40
2490	-8.95
2500	-9.13

Annex A Test Setup Photos

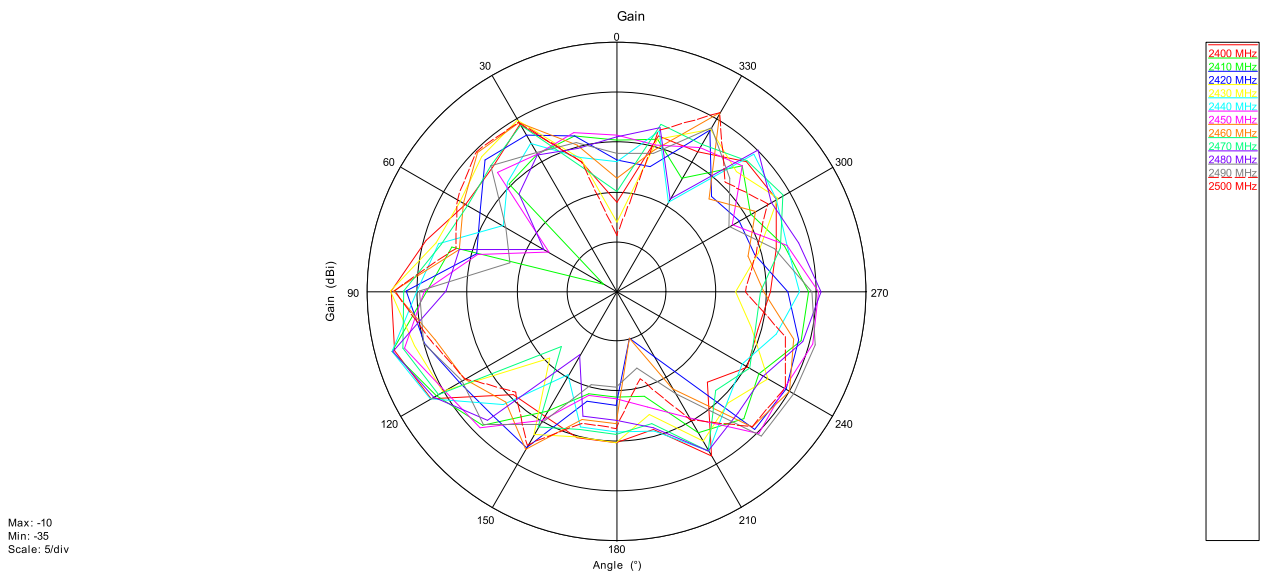


Annex B Figures

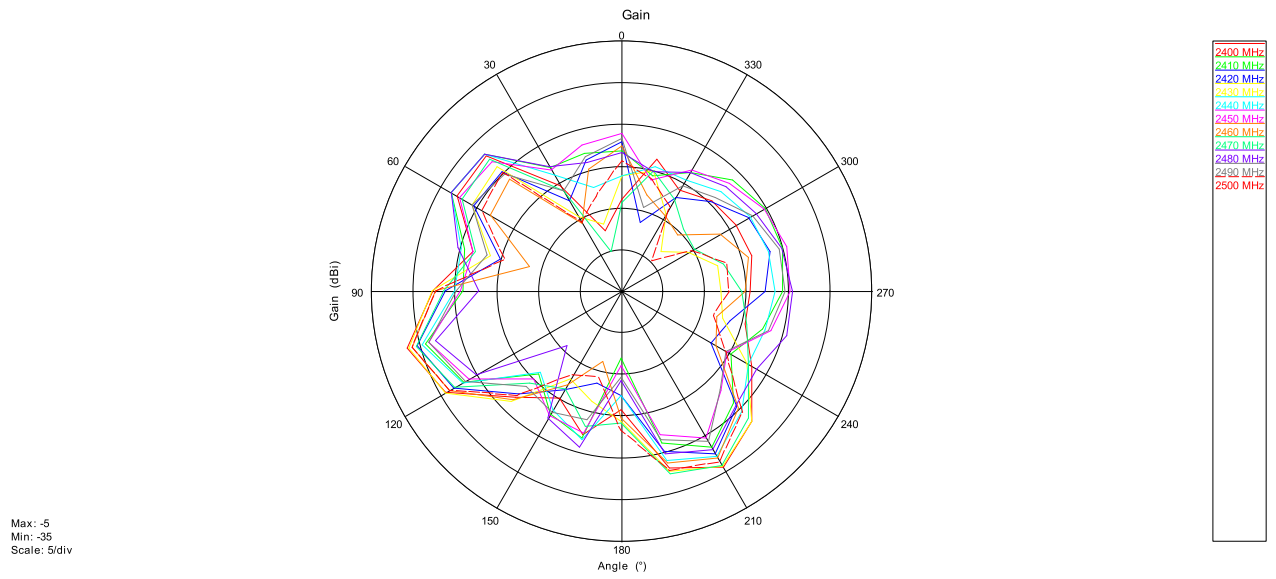
1. 2D Radiation Pattern



Phi=0°

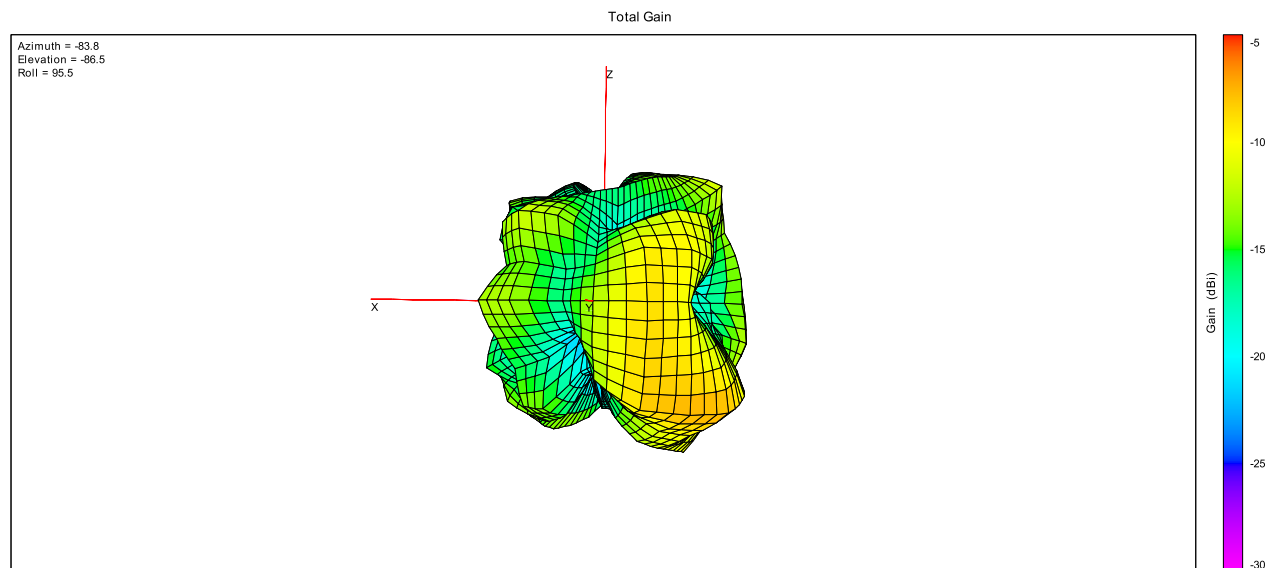


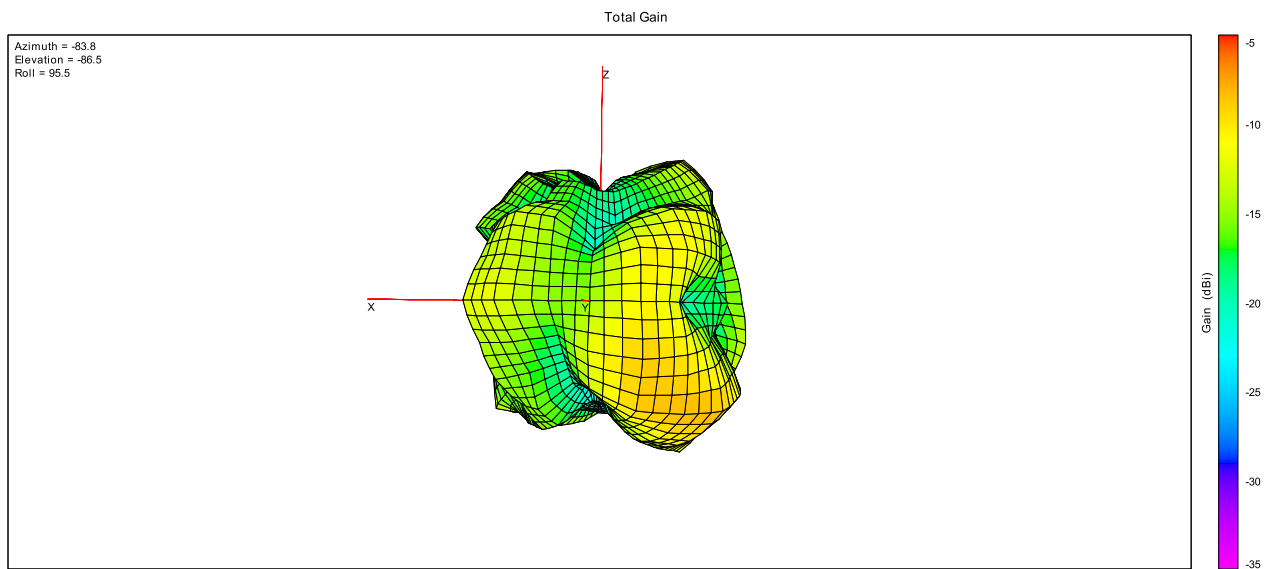
Phi=90°



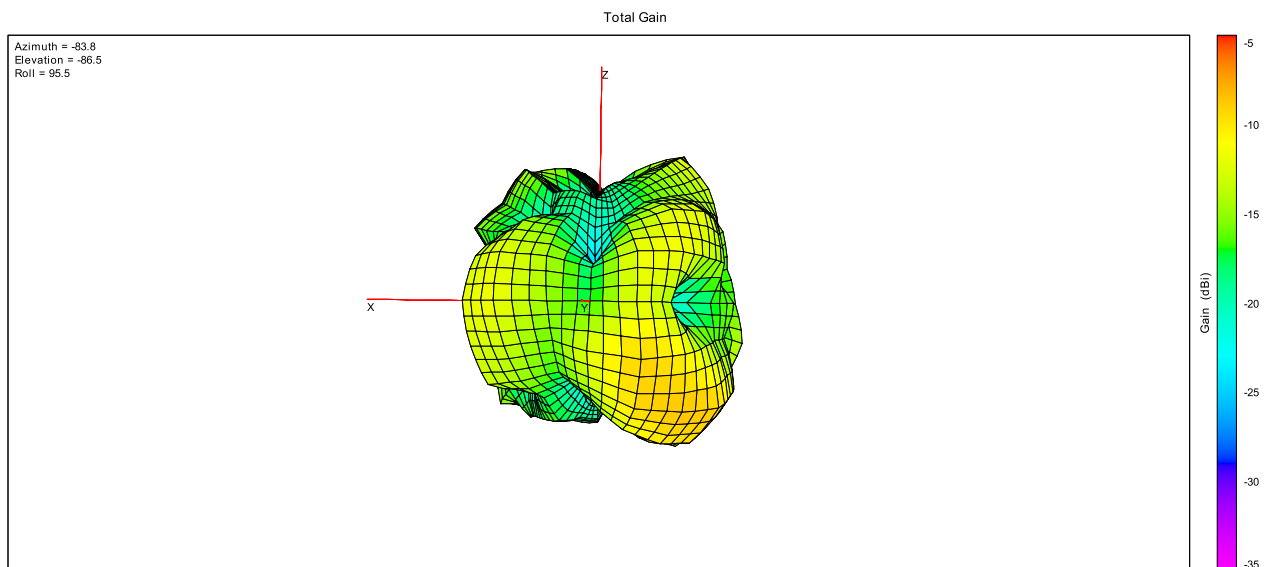
Theta=90°

2. 3D Radiation Pattern



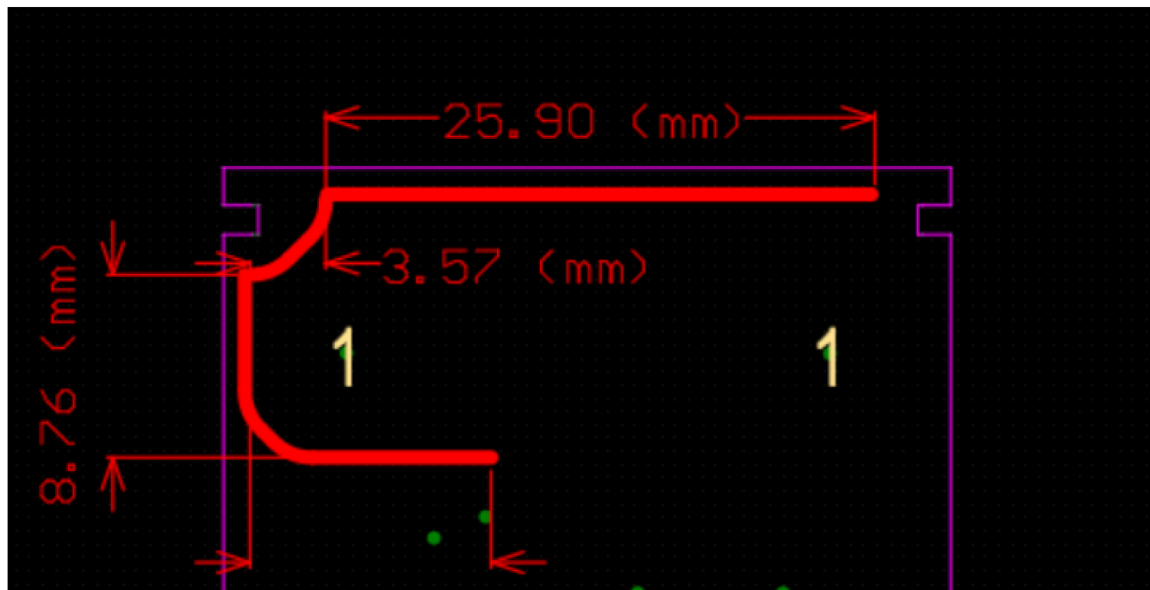


2440MHz



2480MHz

Antenna size



2/3/2026 2026.01.26.

205h 2026.01.26.