

Antenna Specification

ITEM	ANT SPEC	
Model Name	2.4G ANT	
Center Frequency	2402MHz	
Operating Frequency	2400MHz-2500MHz	
OCW	N/A	
Operating Temperature Range	80℃	
Number of channels	1	
Antenna Assembly	Type	Integral Antenna
	Gain	-3.49dBi
Output power	≤1dBm	
Modulation Type	GFSK	
Adaptivity	N/A	
Polarization	Linear Polarization	
Azimuth Beam Pattern	Directional	
Impedance	50 Ohm	
Antenna Size	92mm	
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	-3.49
2410	-3.65
2420	-3.98
2430	-4.23
2440	-4.23
2450	-4.25
2460	-4.34
2470	-4.48
2480	-4.59
2490	-4.62
2500	-4.57

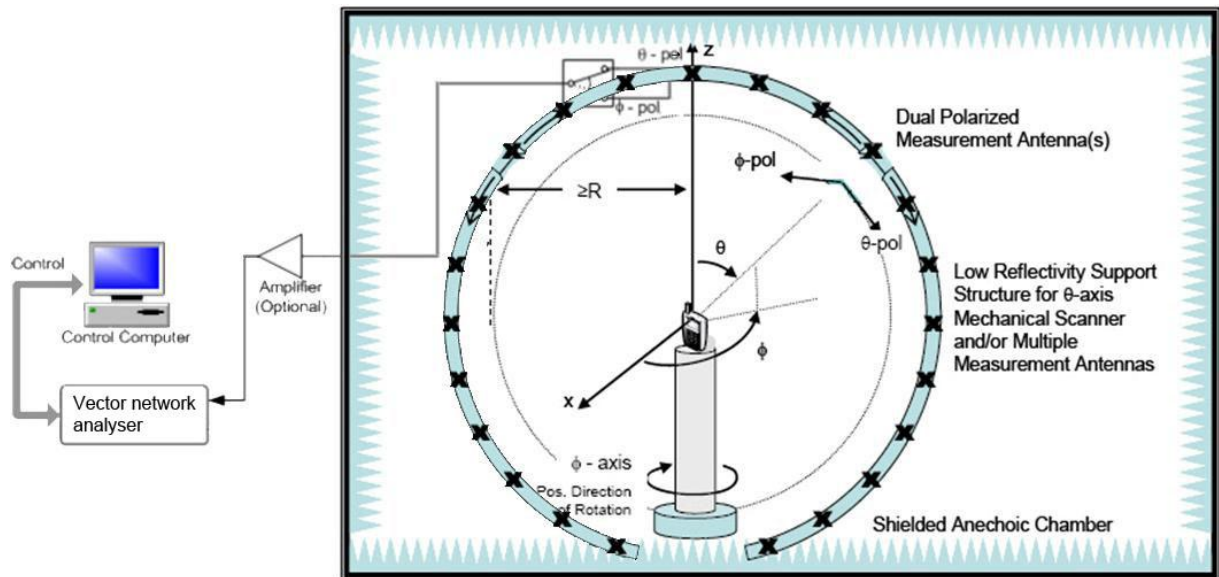
VSWR

Frequency	VSWR
2400MHz	9.82
2440MHz	9.54
2480MHz	8.36

Return Loss

Frequency (MHz)	Return Loss (dB)
2400	-1.77
2440	-1.82
2480	-2.08

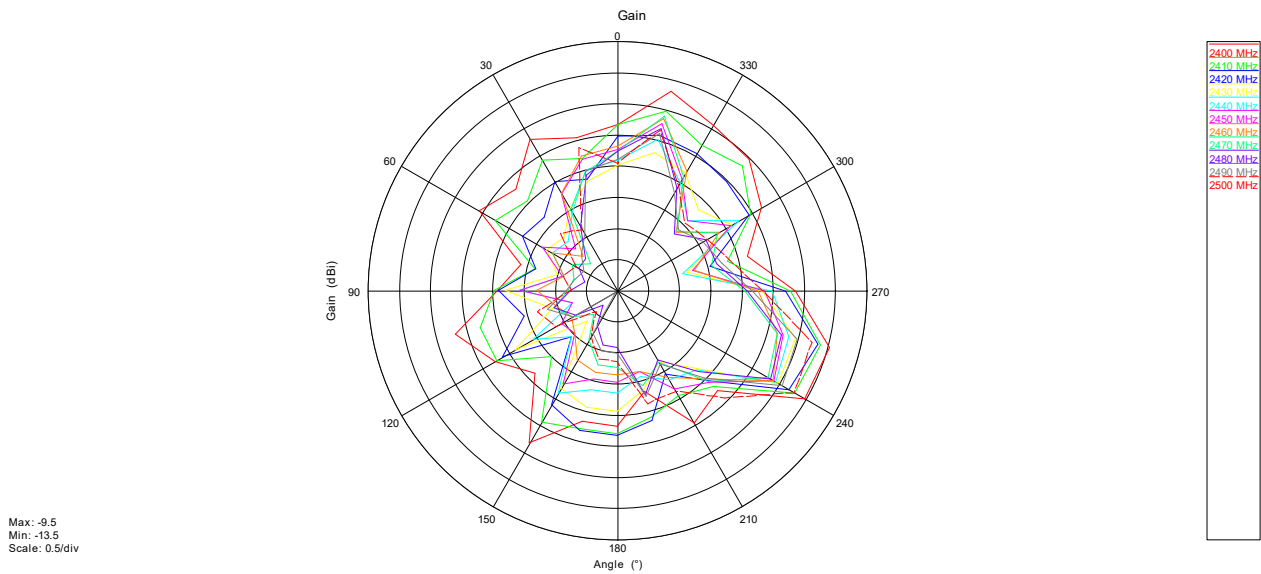
Annex A Test Setup Photos



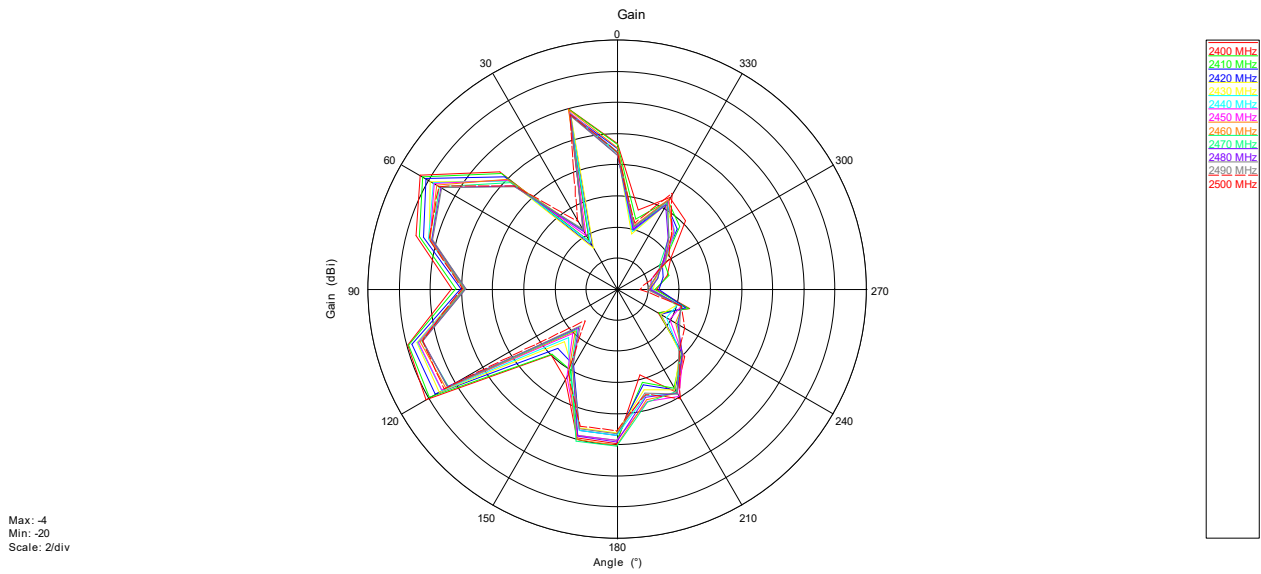
Annex B Figures

1. 2D Radiation Pattern

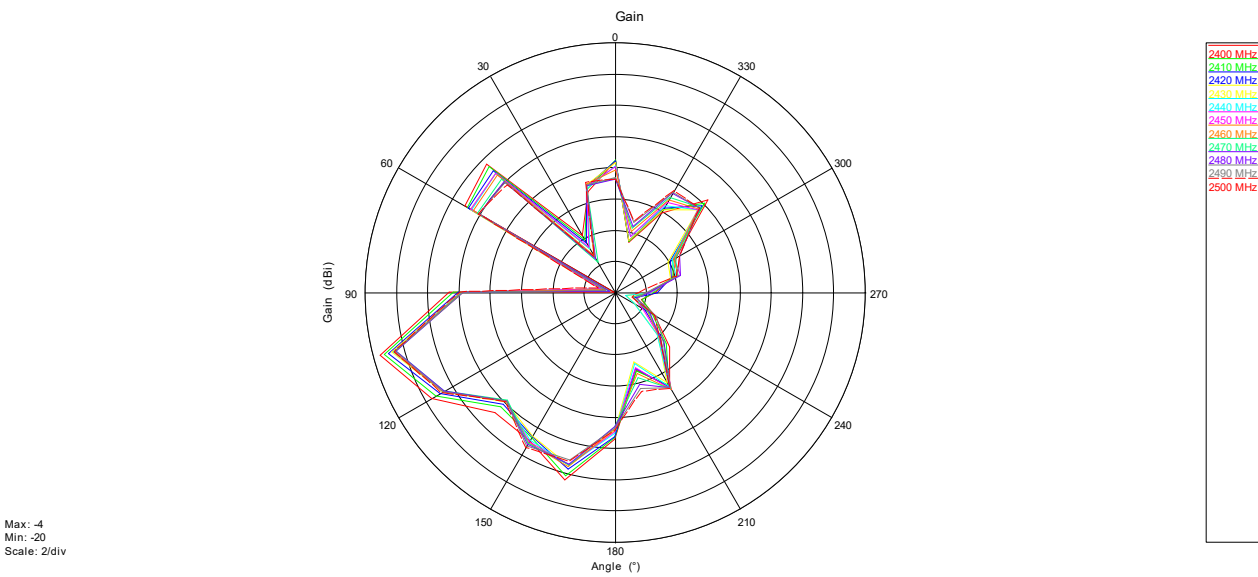
Phi=0°



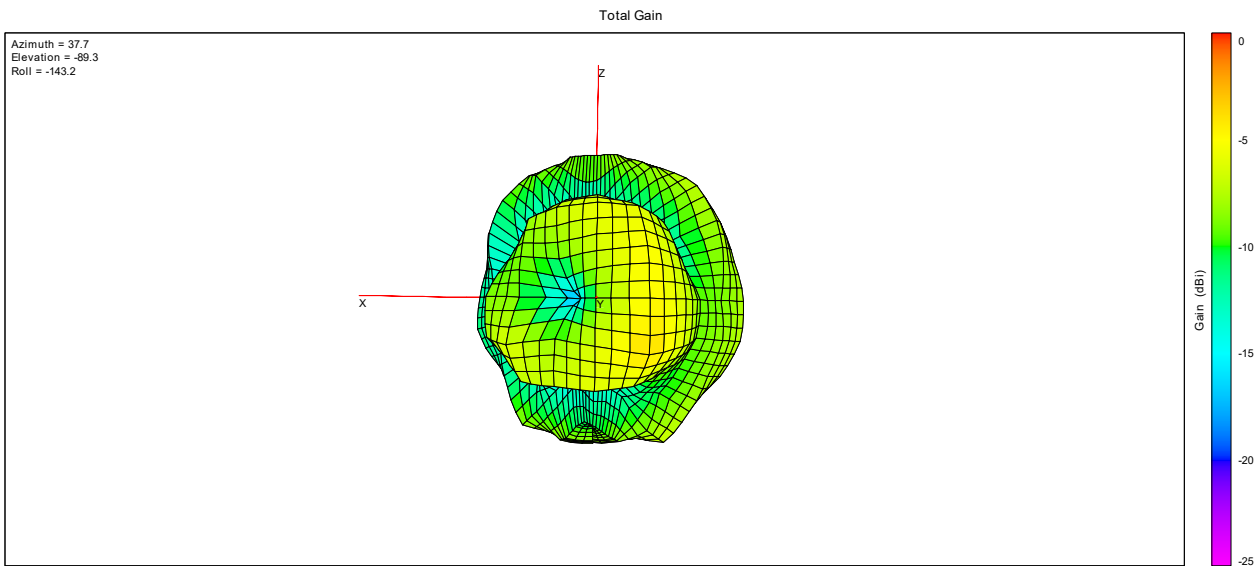
Phi=90°



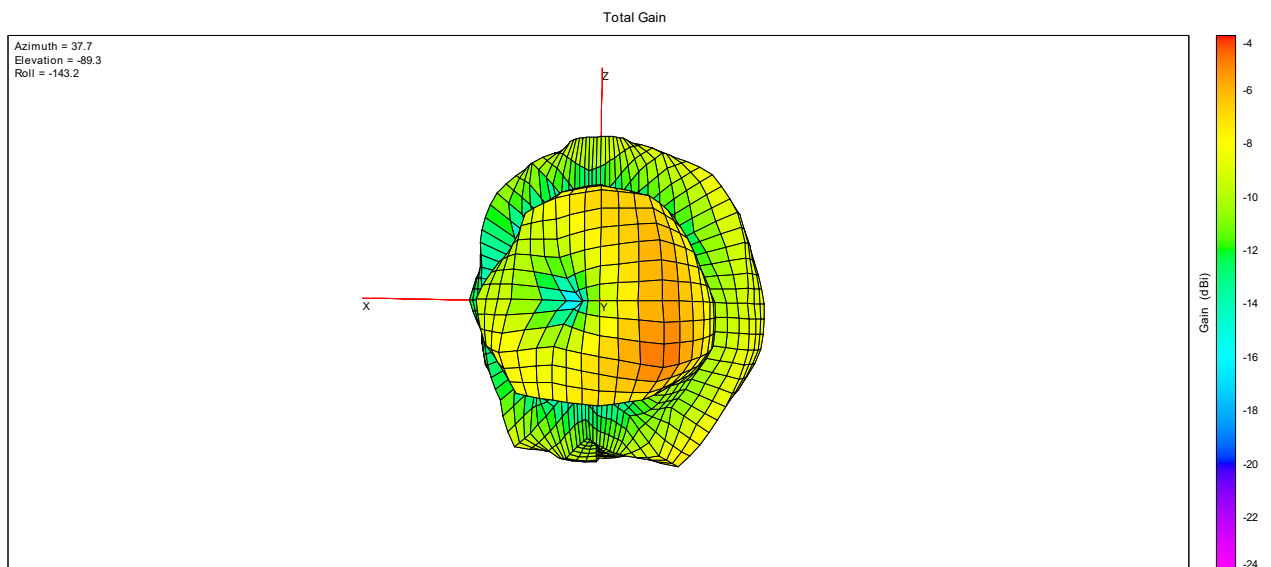
Theta=90°



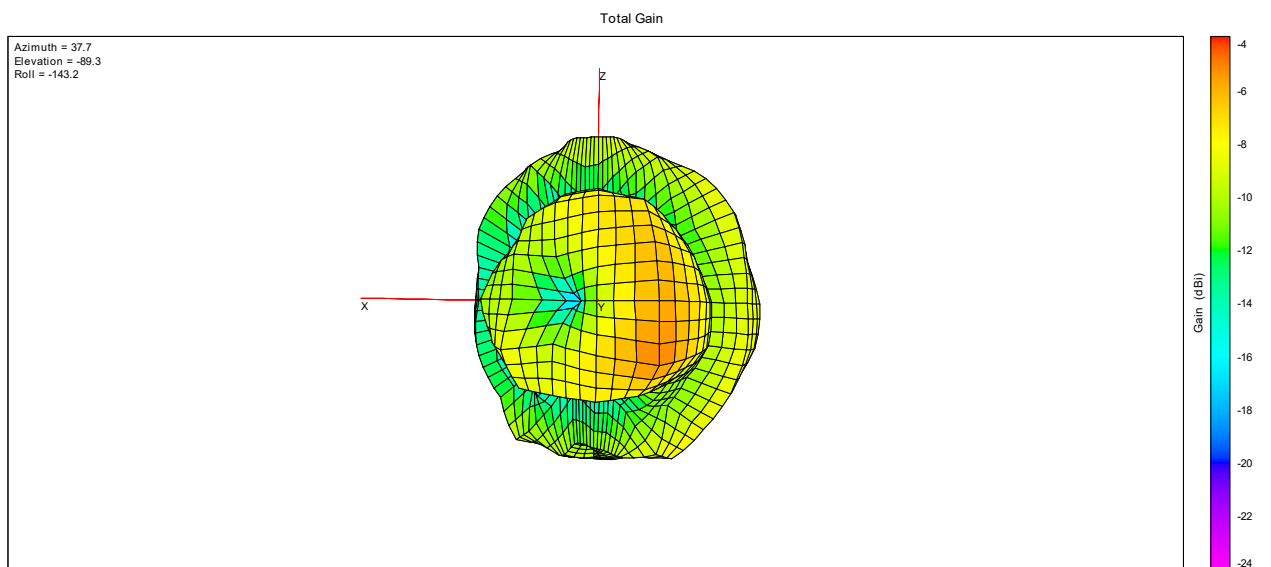
2. 3D Radiation Pattern



2400MHz



2440MHz



2480MHz

Antenna size

