

Antenna Specification

ITEM	ANT SPEC	
Model Name	2.4G ANT	
Center Frequency	2402MHz	
Operating Frequency	2402-2480MHz	
OCW	N/A	
Operating Temperature Range	125℃	
Number of channels	1	
Antenna Assembly	Type	PCB antenna
	Gain	-3.5dBi
Output power	$\leq 3\text{dBm}$	
Modulation Type	GFSK	
Adaptivity	N/A	
Polarization	Linear Polarization	
Azimuth Beam Pattern	Directional	
Impedance	50 Ohm	
Antenna Size	16mm *5.4mm	
Manufacture	Zhongshan Fentengda Electronic Technology Co., Ltd 3rd Floor, Building A, Wanwei Commercial Center, Huasheng East 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

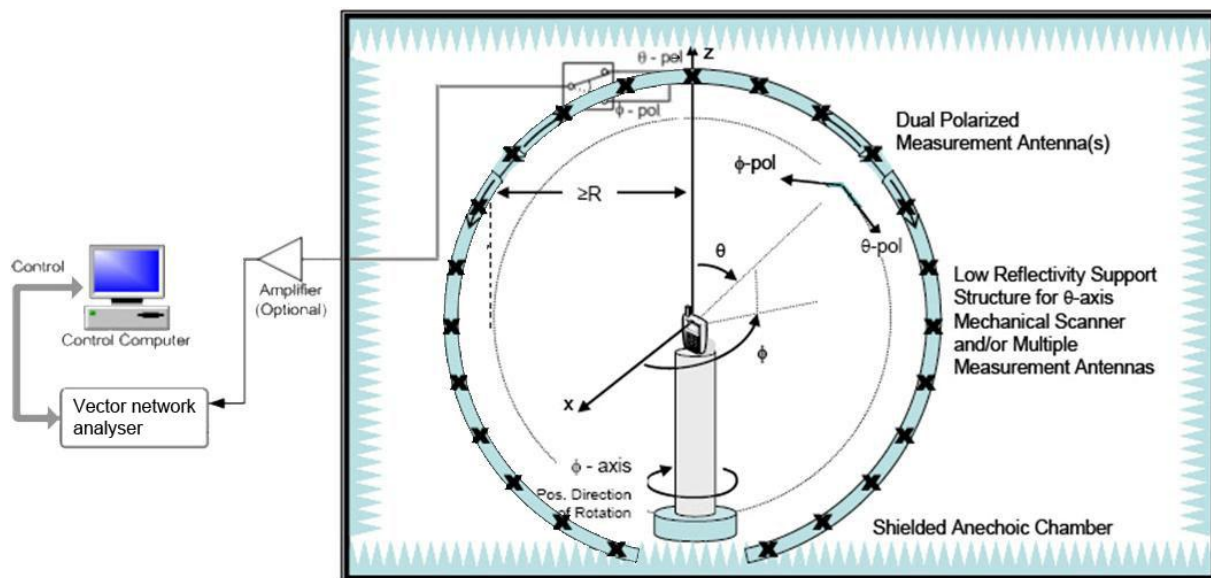
VSWR

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

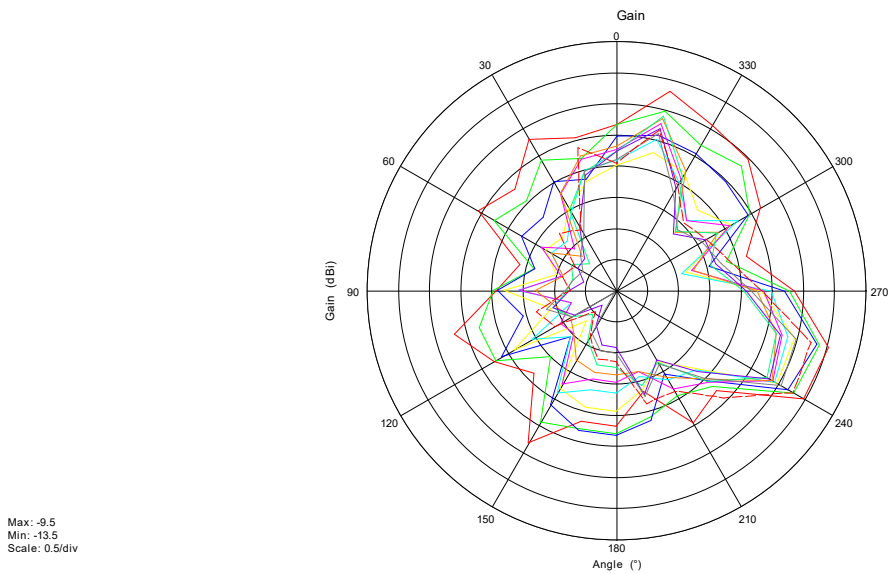
Annex A Test Setup Photos



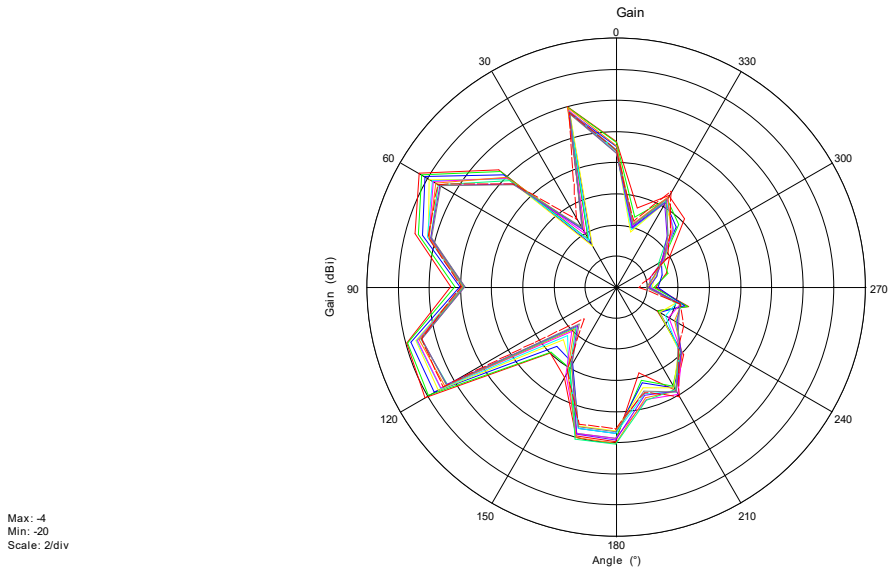
Annex B Figures

1. 2D Radiation Pattern

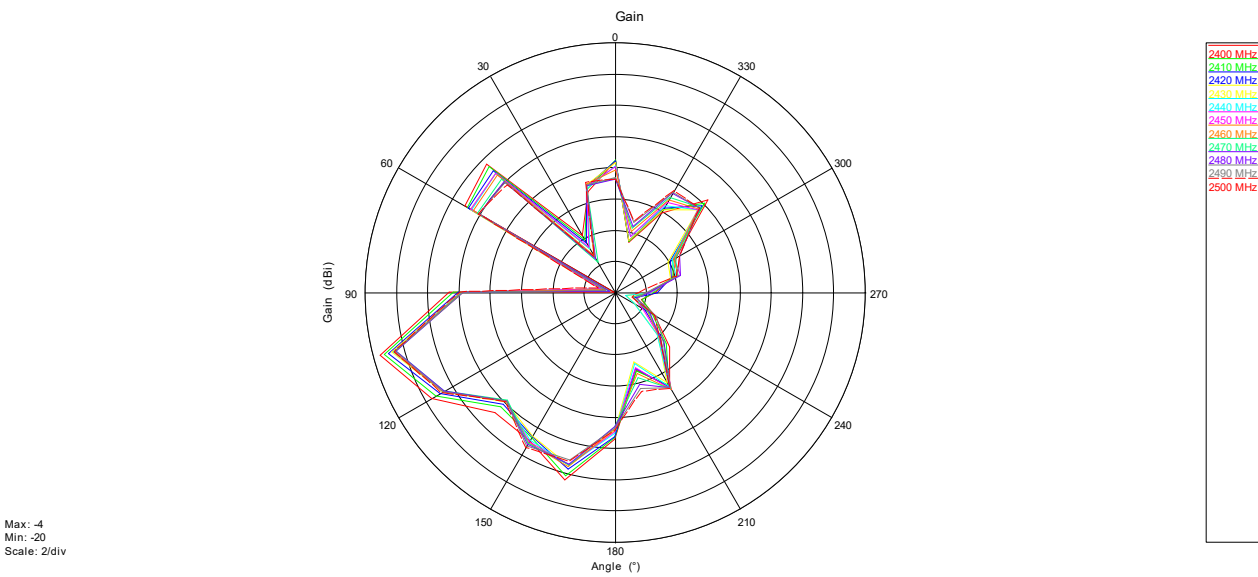
Phi=0°



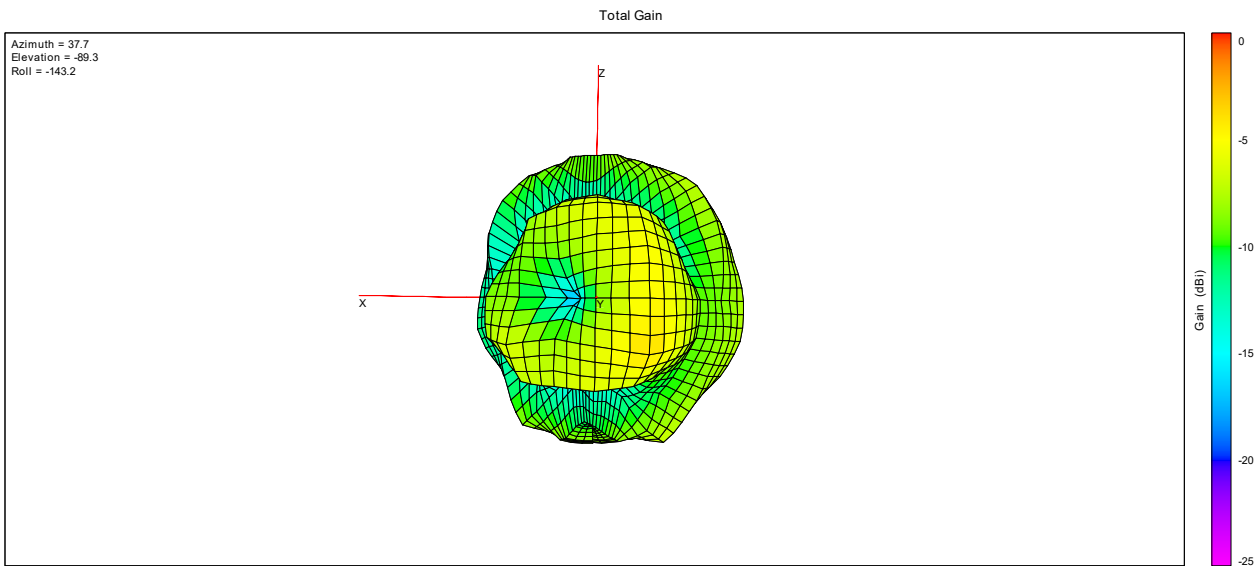
Phi=90°



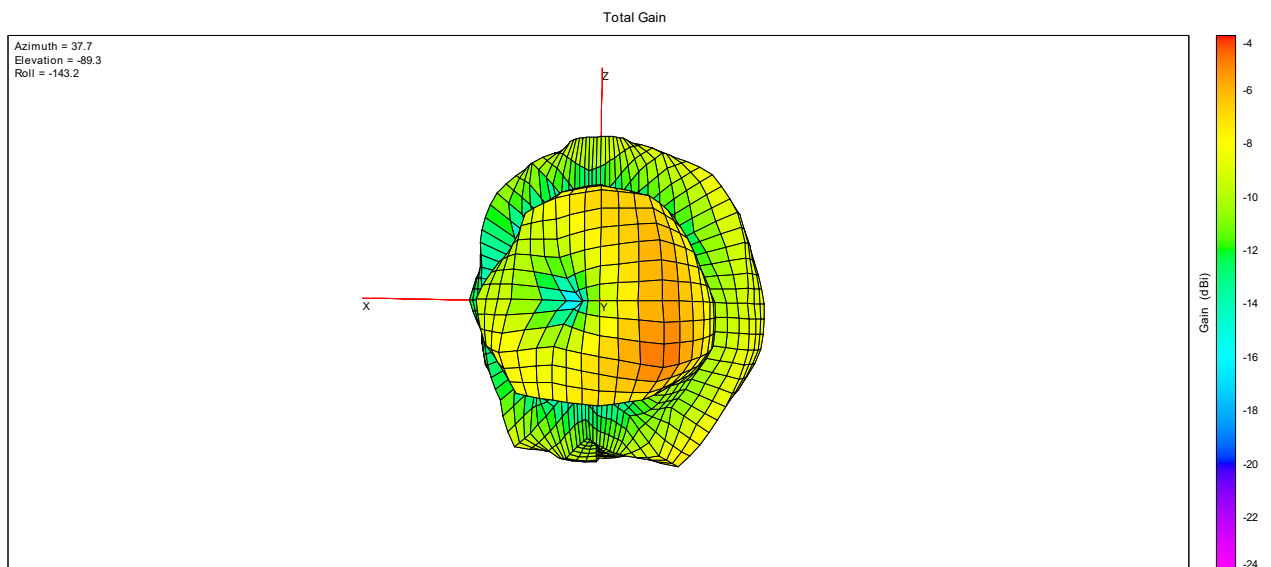
Theta=90°



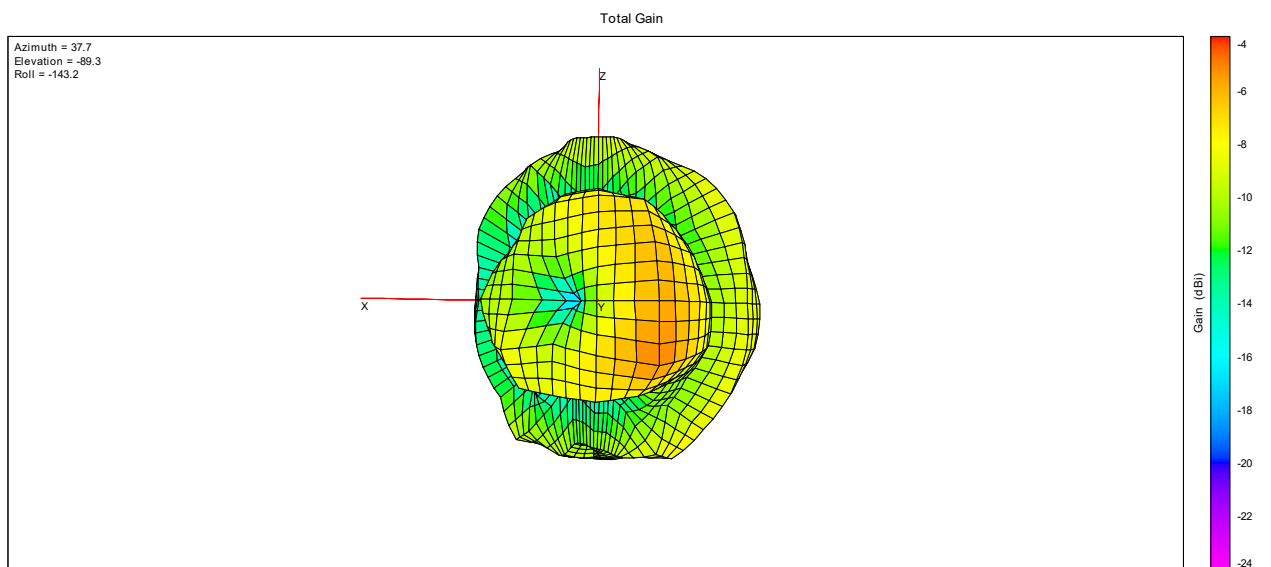
2. 3D Radiation Pattern



2400MHz



2440MHz



2480MHz

Antenna size

