

Antenna Specification

ITEM	ANT SPEC	
Model Name	2.4G ANT	
Center Frequency	2402MHz	
Operating Frequency	2400-2480MHz	
OCW	N/A	
Operating Temperature Range	125℃	
Number of channels	1	
Antenna Assembly	Type	Wire antenna
	Gain	<-3.5dBi
Output power	≤3dBm	
Modulation Type	GFSK	
Adaptivity	N/A	
Polarization	Linear Polarization	
Azimuth Beam Pattern	Directional	
Impedance	50 Ohm	
Antenna Size	80mm	
Manufacturer	中山市熠凡灯饰有限公司 ZhongShan YiFan Lighting Co.,Ltd 中国广东省中山市古镇镇海洲教昌工业区创兴路28号第4层之1 Floor 4-1,No.28 Chuangxing Road,Jiaochang Industrial Zone,Haizhou,Guzhen Town,Zhongshan City,Guangdong Province,China	

Test Results

Gain

Frequency (MHz)	Gain(dBi)
2400	-3.45
2410	-3.62
2420	-3.88
2430	-4.01
2440	-3.82
2450	-3.84
2460	-4.05
2470	-4.20
2480	-4.15

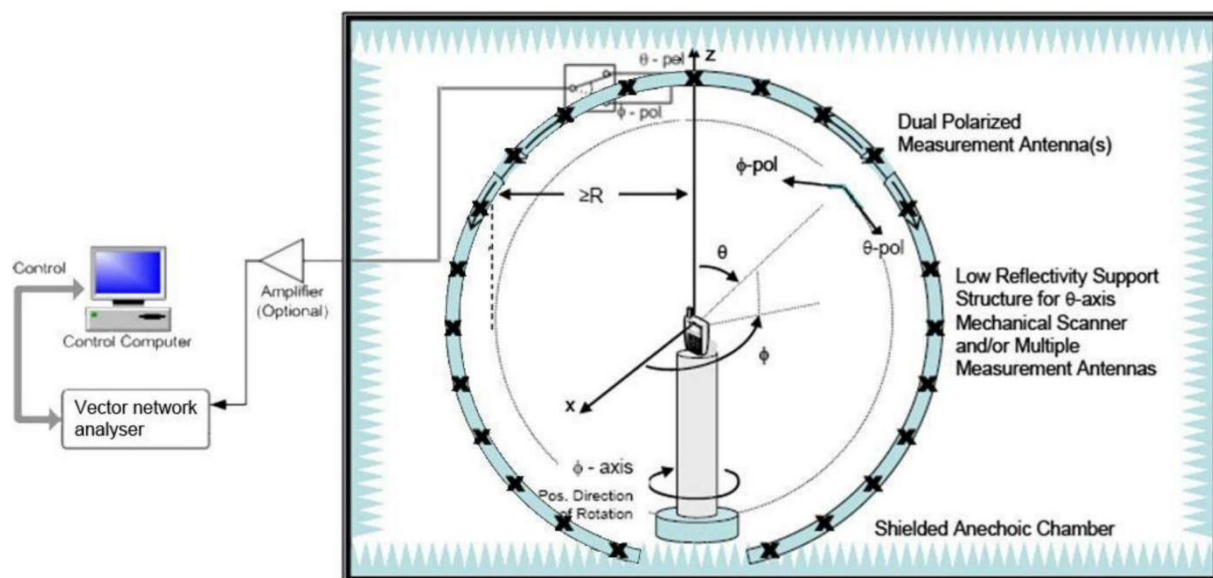
VSWR

Frequency	VSWR
2400MHz	8.95
2440MHz	8.67
2480MHz	8.13

Return Loss

Frequency (MHz)	Return Loss (dB)
2400	-1.94
2440	-2.01
2480	-2.14

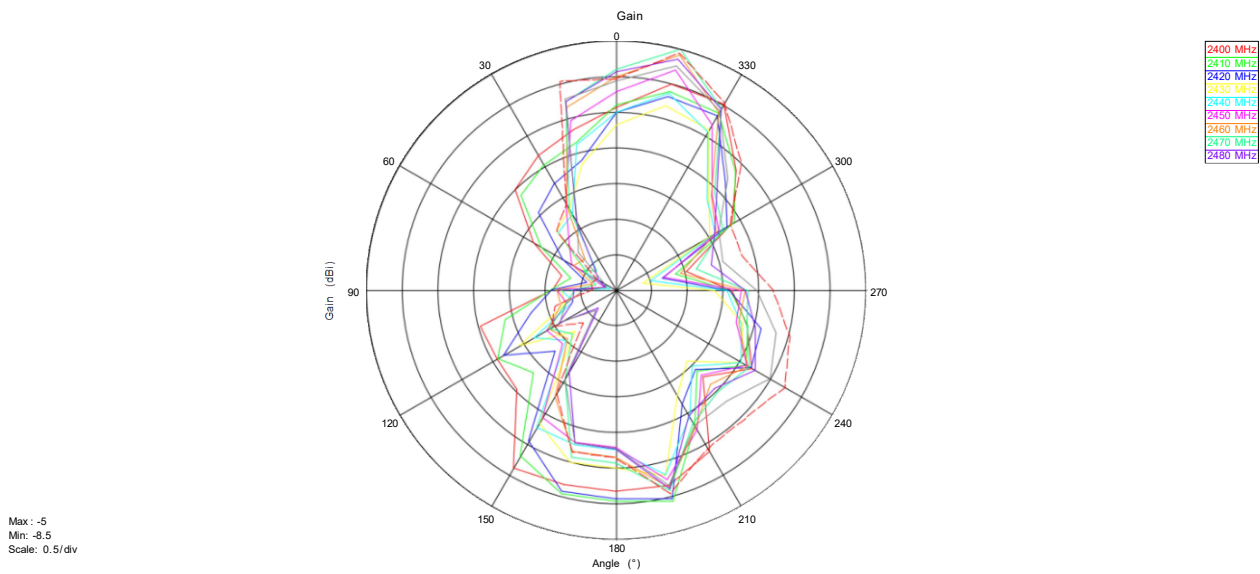
Annex A Test Setup Photos



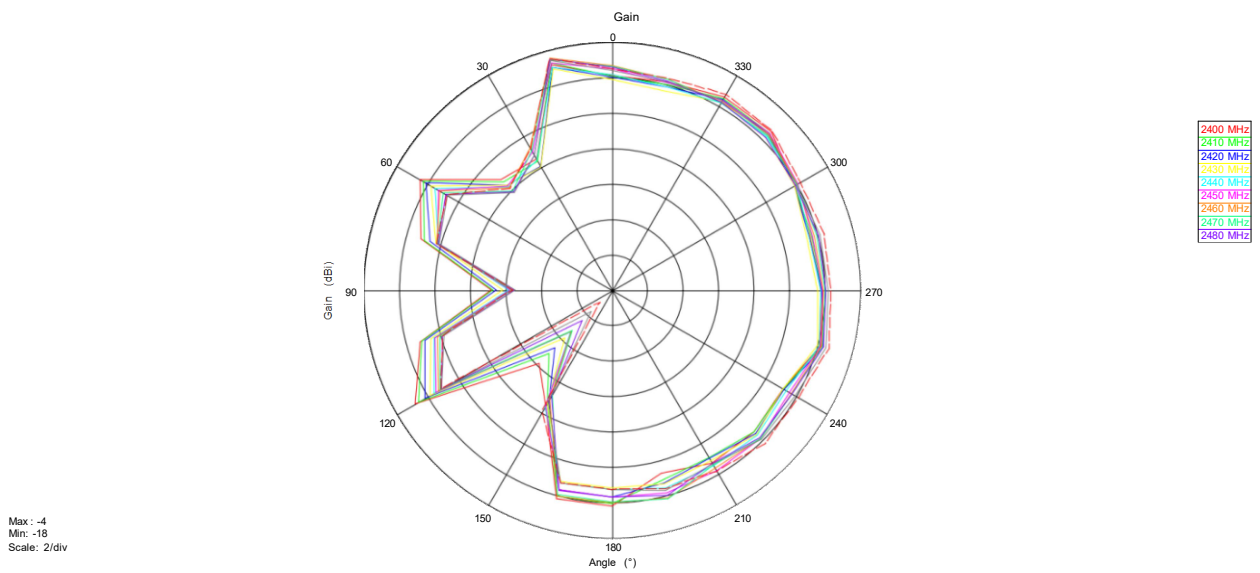
Annex B Figures

1. 2D Radiation Pattern

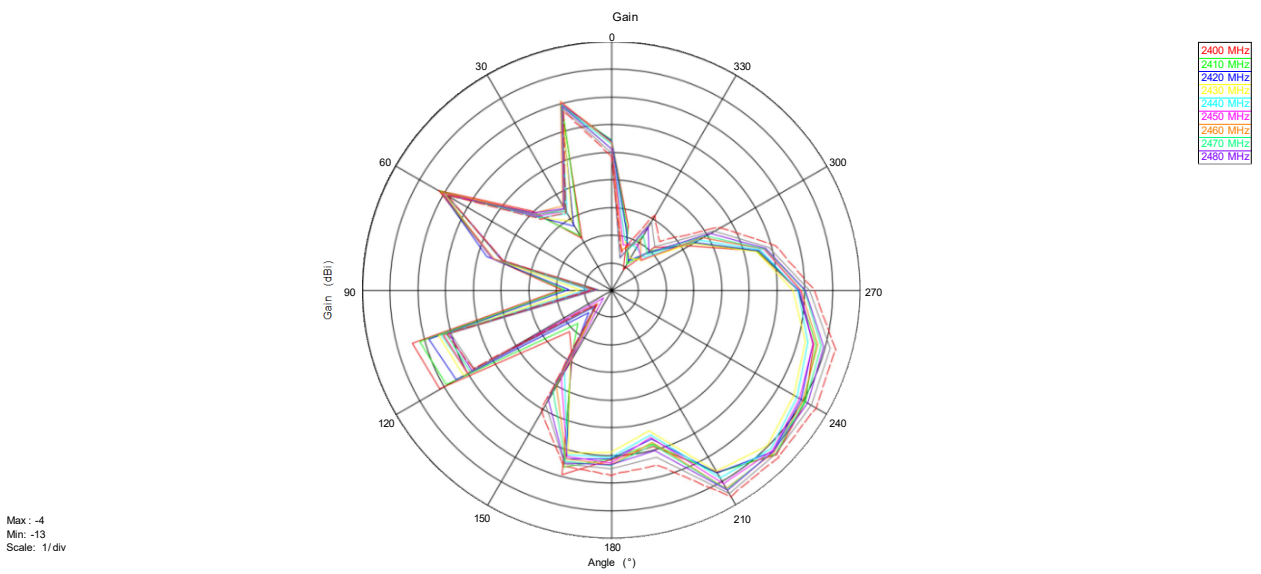
Phi=0°



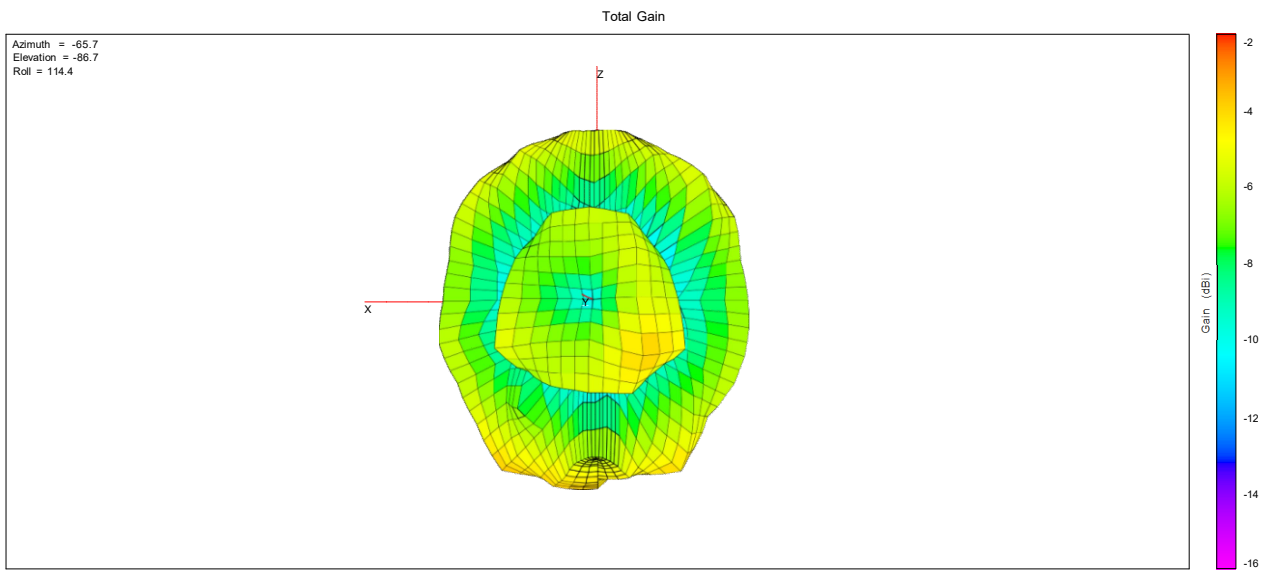
Phi=90°

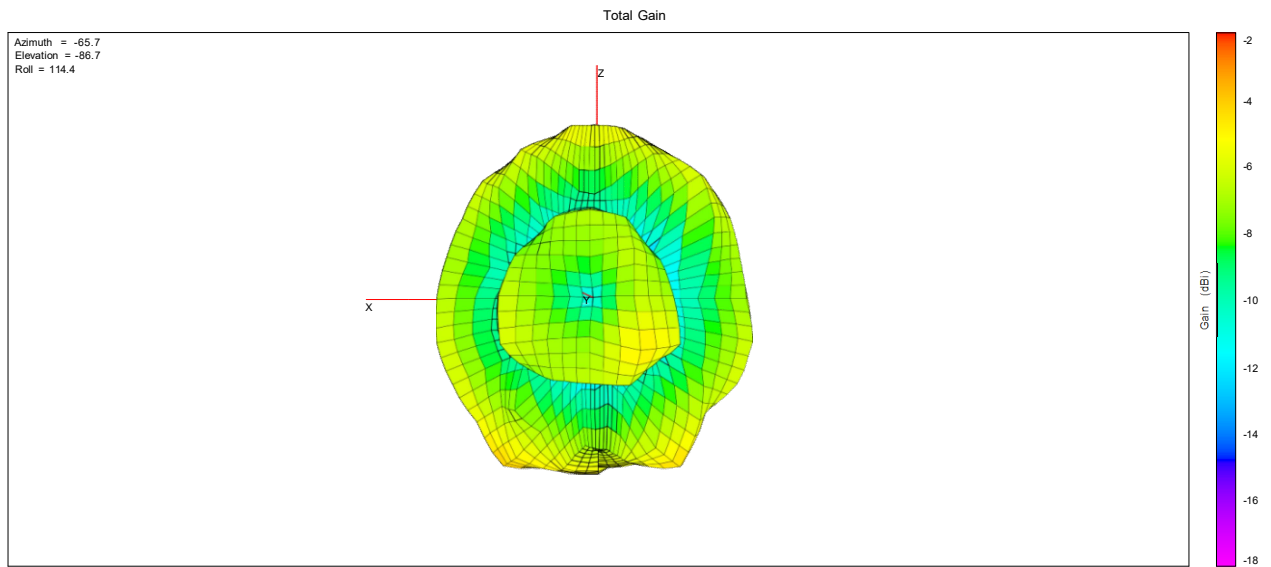


Theta=90°

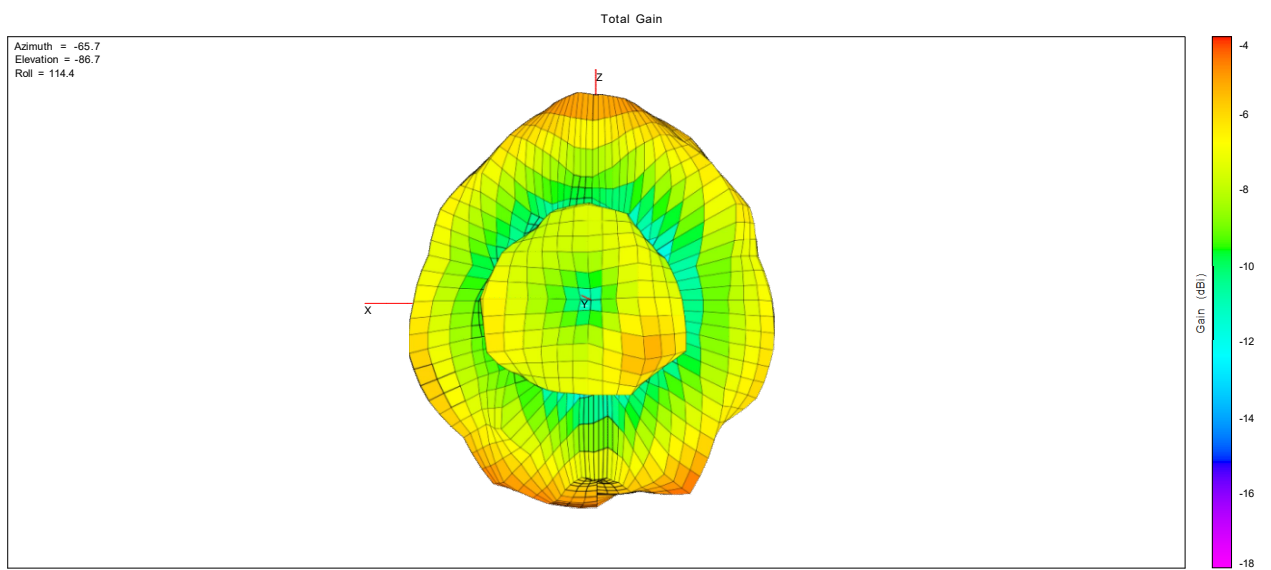


2. 3D Radiation Pattern





2440MHz



2480MHz

Antenna size

