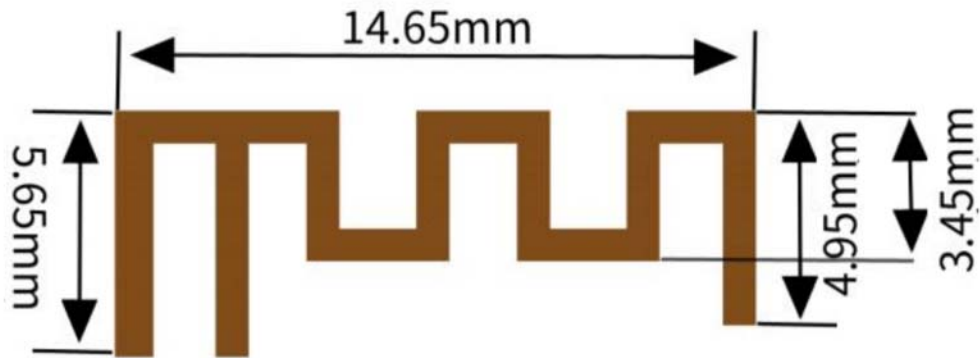


## ANTENNA SPECIFICATION

ITEM	ANT SPEC					
Model Name	2.4G ANT					
Center Frequency	2400MHZ	2420MHZ	2440MHZ	2460MHZ	2480MHZ	2500MHZ
Antenna Gain(dBi)	-1.28	-1.34	-0.85	-0.47	1.03	1.39
MAX.Gain (dBi)	1.39					
Test method	-					
Azimuth Beam Pattern	Omni- directional					
Impedance	50 Ohm					
Antenna Length	14.65mm*5.65mm					
Manufacture	Xiamen MatrixCore Technology Co., Ltd					
Address	No. 97 Xiangyu Road, Xiamen,Fujian,China					

Antenna Photo & Length (mm)



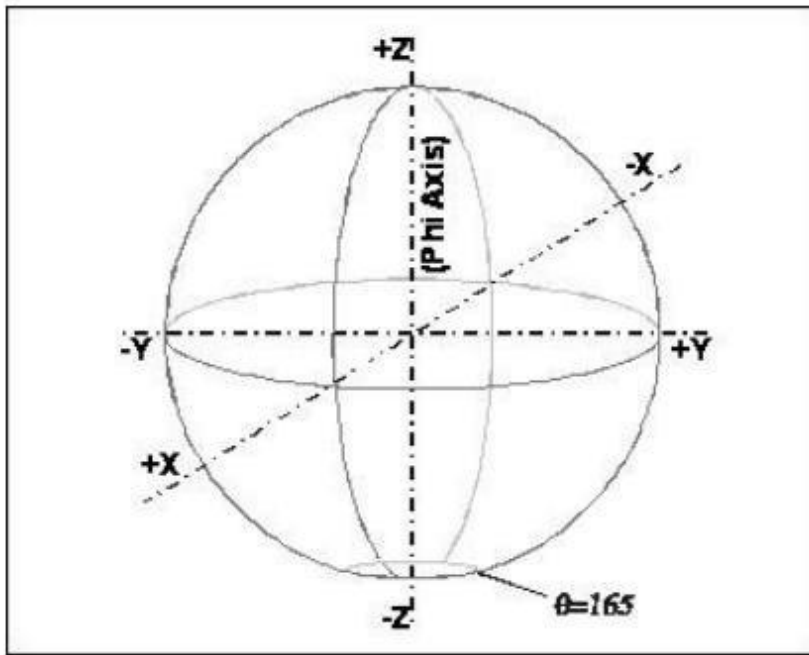


Fig.1 Coordinate Axis

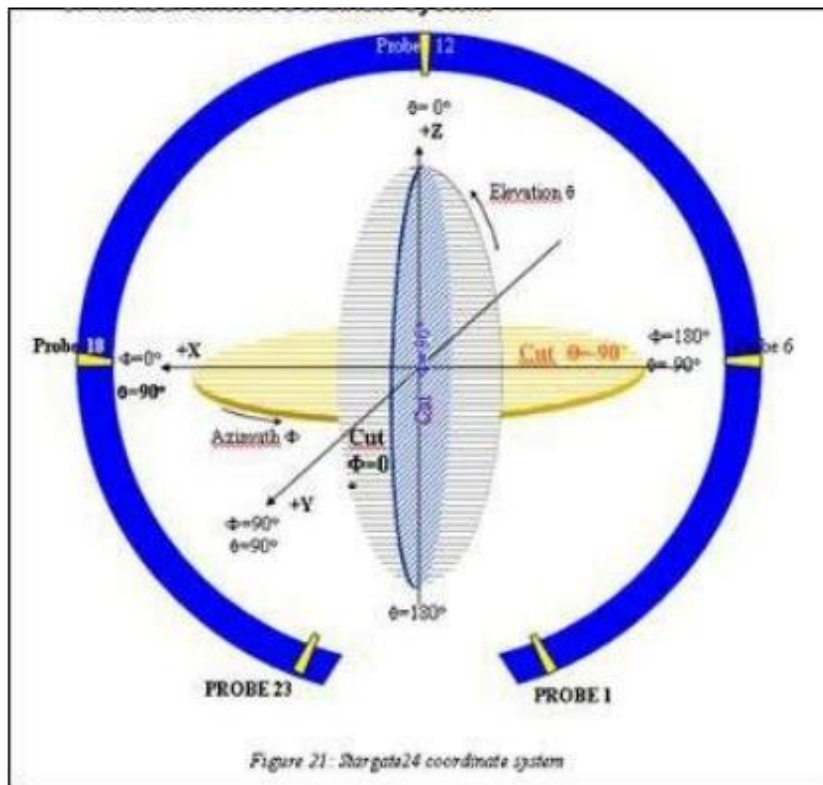
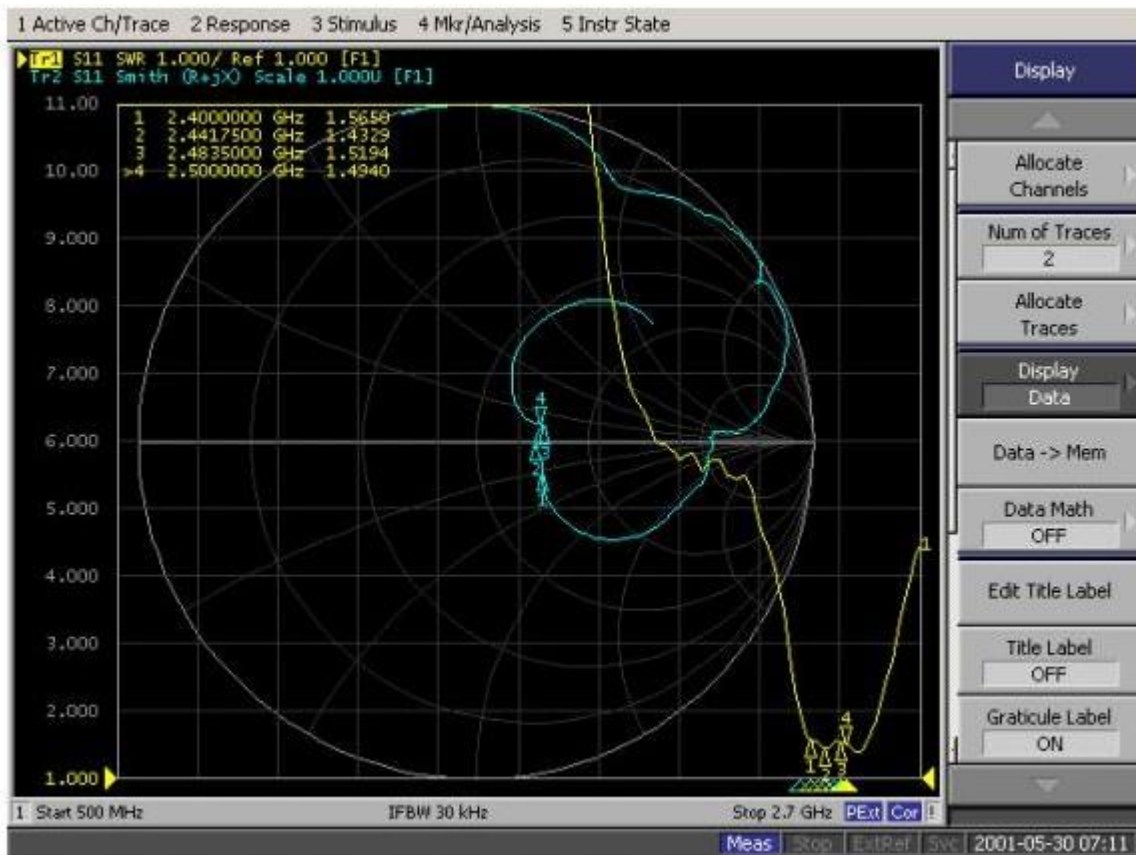
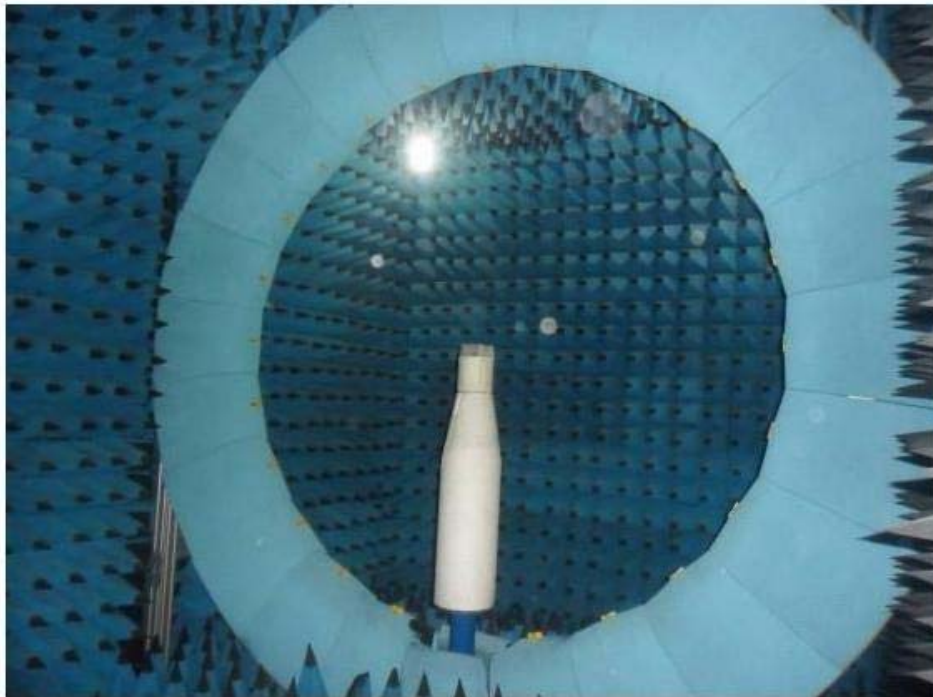


Figure 21: Sargata24 coordinate system

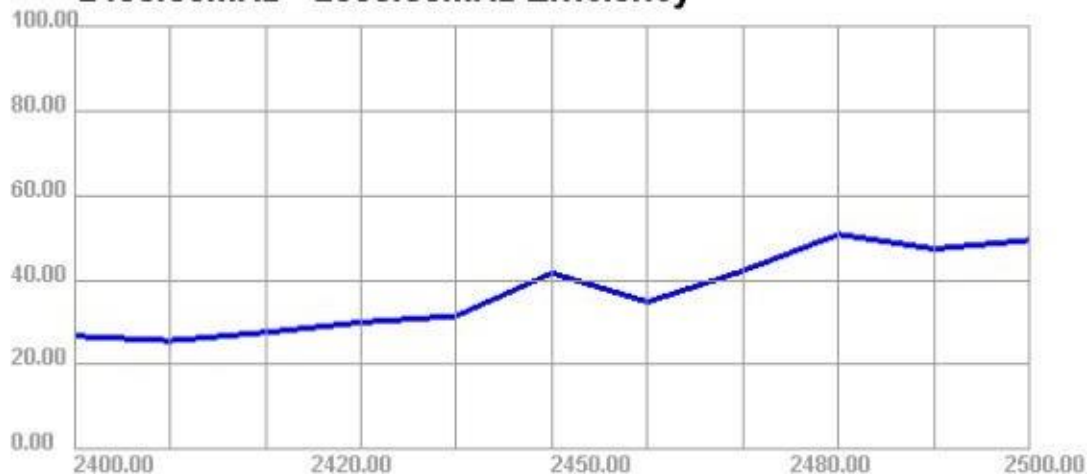


Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	Max (dB)	Min (dB)
2400	26.8	-5.72	-1.28	-3.43	-1.28	-18.77
2410	25.72	-5.9	-1.62	-3.77	-1.62	-18.66
2420	27.67	-5.58	-1.34	-3.49	-1.34	-18.14
2430	30.04	-5.22	-1.04	-3.19	-1.04	-16.76
2440	31.56	-5.01	-0.85	-3	-0.85	-16.31
2450	41.67	-3.8	0.42	-1.73	0.42	-14.41
2460	34.86	-4.58	-0.47	-2.62	-0.47	-15.33
2470	42.19	-3.75	0.28	-1.87	0.28	-15.81
2480	50.79	-2.94	1.03	-1.12	1.03	-15.86
2490	47.4	-3.24	1.02	-1.13	1.02	-16.54
2500	49.43	-3.06	1.39	-0.76	1.39	-15.76

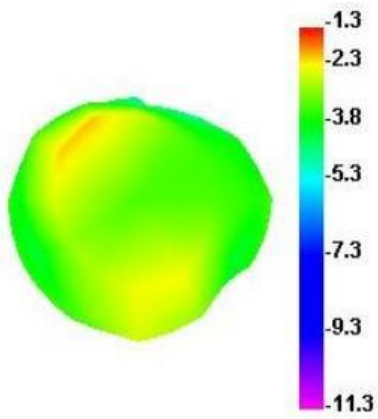
**2400.00MHz - 2500.00MHz Gain**



**2400.00MHz - 2500.00MHz Efficiency**

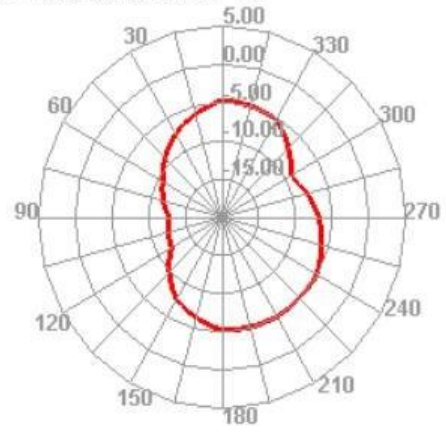


2400.000MHz



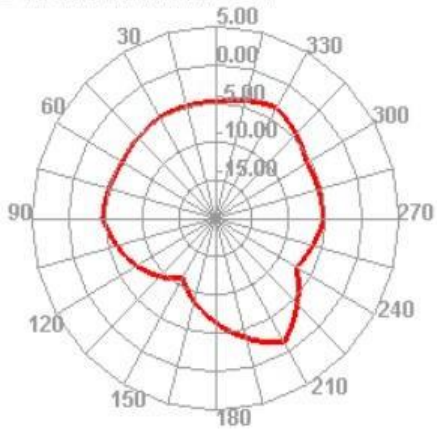
2400MHz

2400.000MHz H



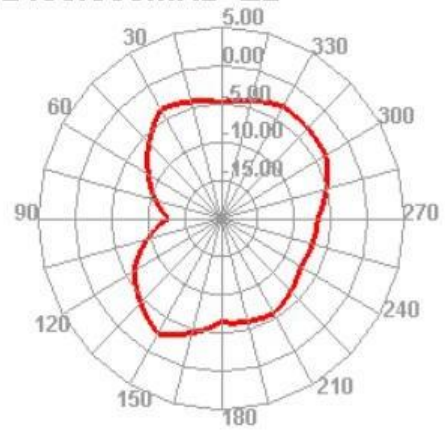
2400MHz-H

2400.000MHz E1



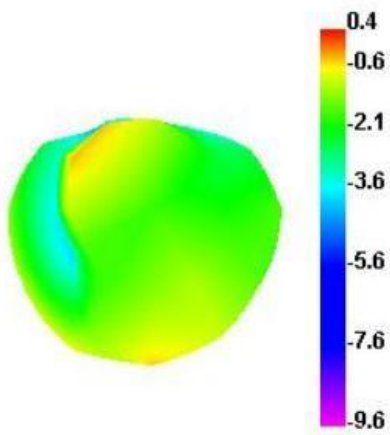
2400MHz-E1

2400.000MHz E2



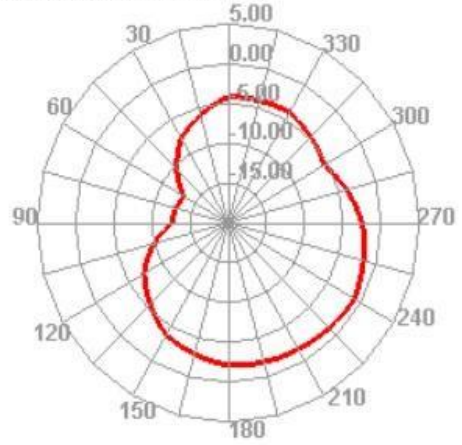
2400MHz-E2

2450.000MHz



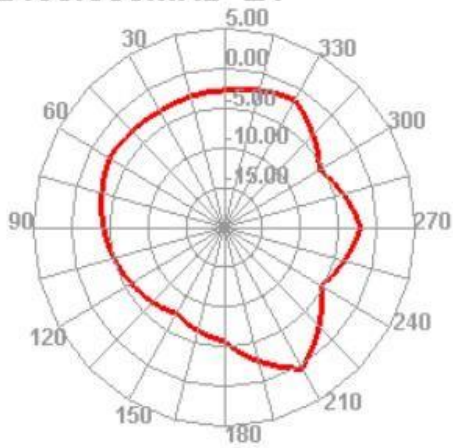
2450MHz

2450.000MHz H

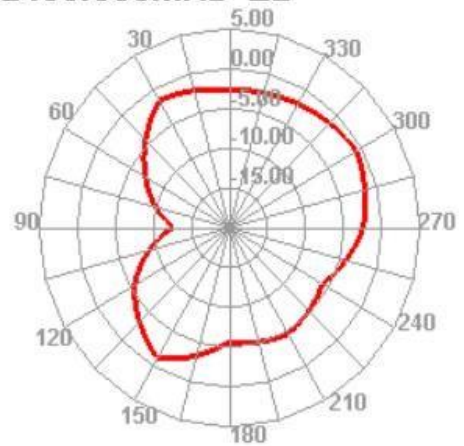


2450MHz-H

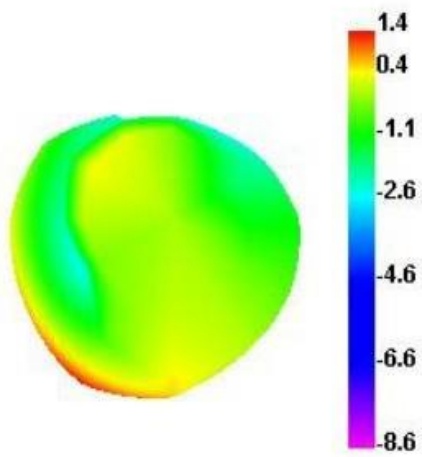
2450.000MHz E1



2450.000MHz E2

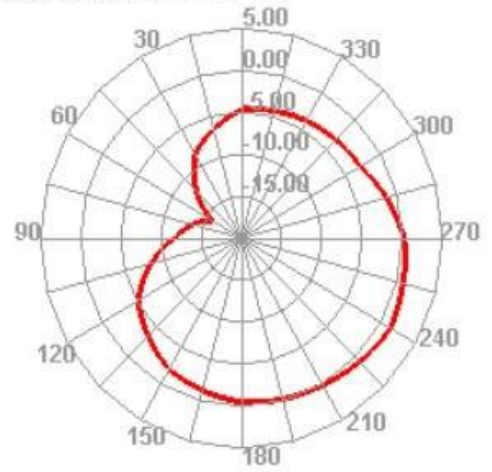


2500.000MHz



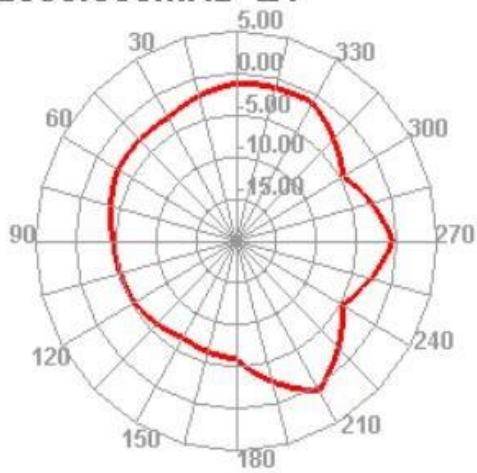
2500MHz

2500.000MHz H



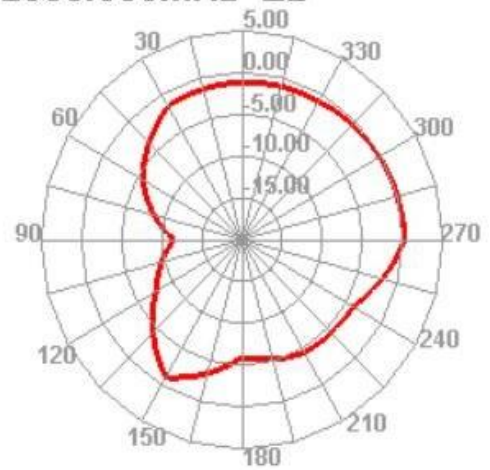
2500MHz-H

2500.000MHz E1



2500MHz-E1

2500.000MHz E2



2500MHz-E2