



传佳音 2819天线增益报告

Antenna Design And Test Report

工程：王志锋

报告日期：2023年2月4日星期六



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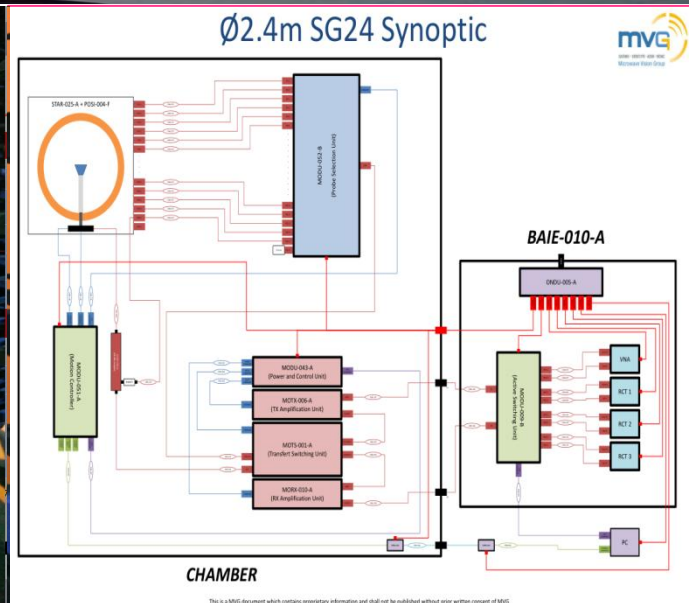
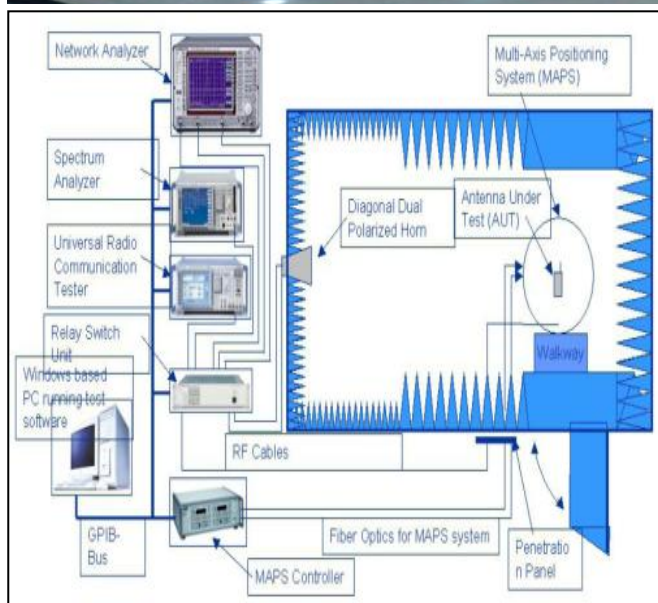
07

附加说明

Additional Notes



<div>主天线设计频段:</div> <div>main antenna design spectrum</div>	2G:900/1800/850/1900 3G: W2/W4/W5/W8 4G:B2/B4/B5/B7/B28/B66
<div>天线类型:</div> <div>Type of antenna</div>	PIFA



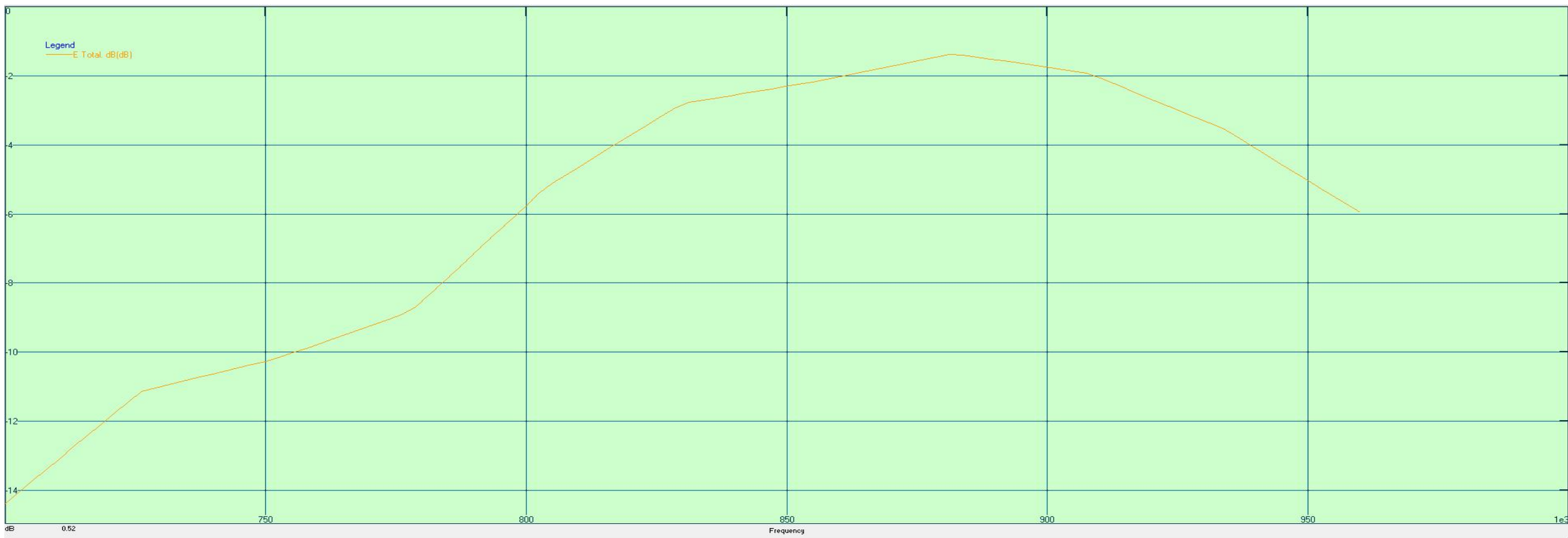
3座远场3D全电波微波暗室实验室系统，1座MVG SG24LT (Satmio) 近场3D微波暗室实验室系统（与国家相关实验室同步）



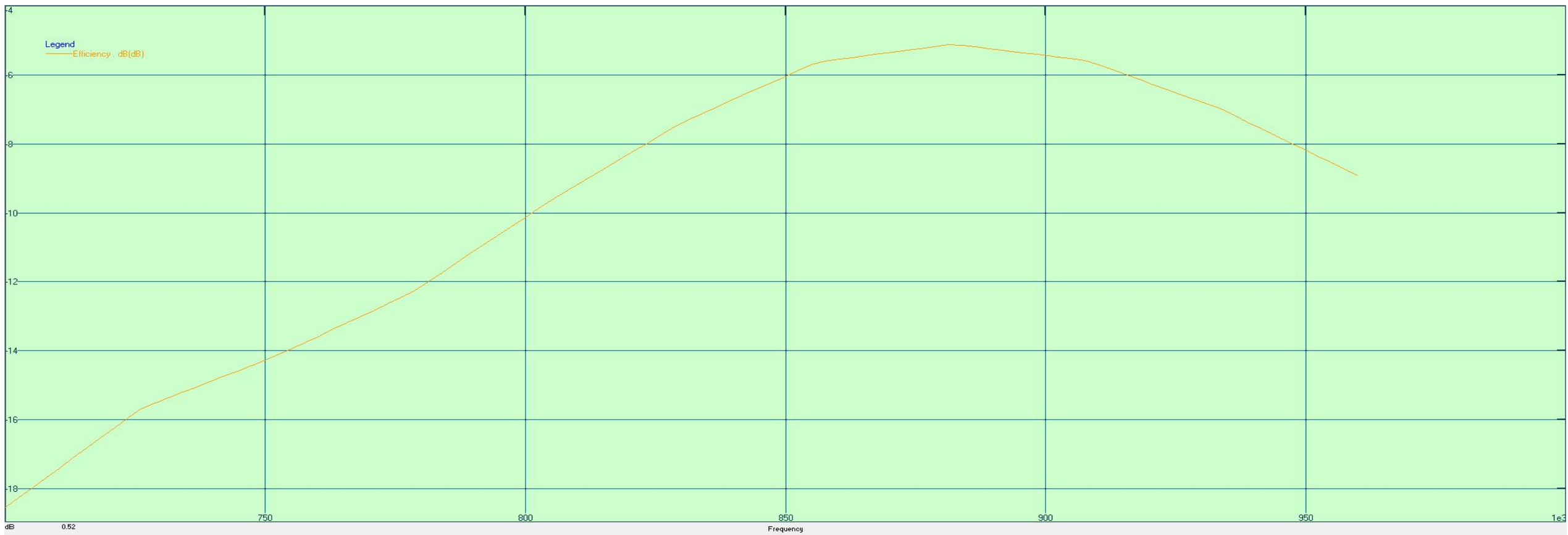
Frequency	Gain . dB
7E+08	-14.3927
7.26E+08	-11.14
7.52E+08	-10.1945
7.78E+08	-8.81011
8.04E+08	-5.19485
8.3E+08	-2.79977
8.56E+08	-2.1411
8.82E+08	-1.34616
9.08E+08	-1.92824
9.34E+08	-3.54228
9.6E+08	-5.95558



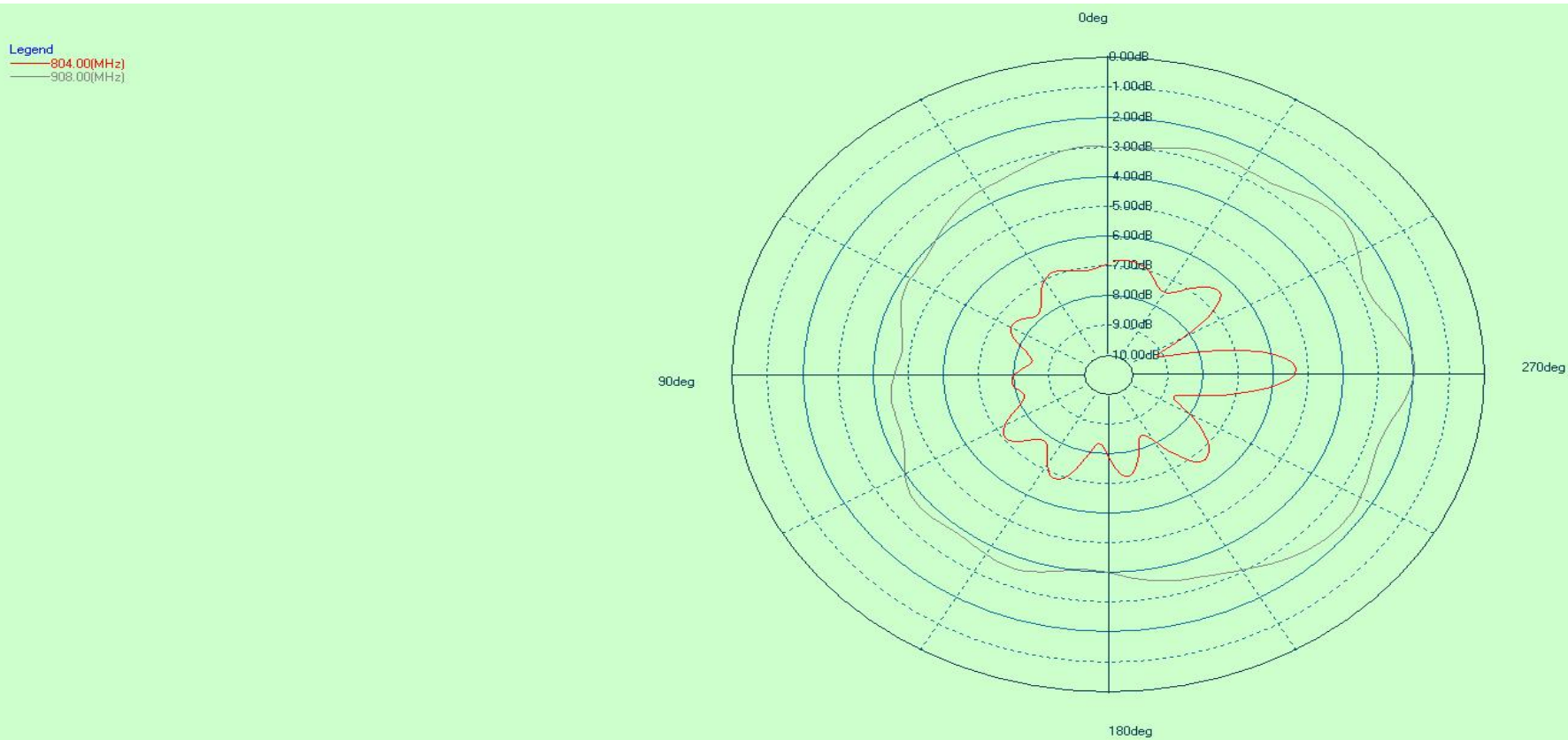
700MHZ-960MHZ



700MHZ-960MHZ



700MHZ-960MHZ



XY-Plane

700MHZ-960MHZ



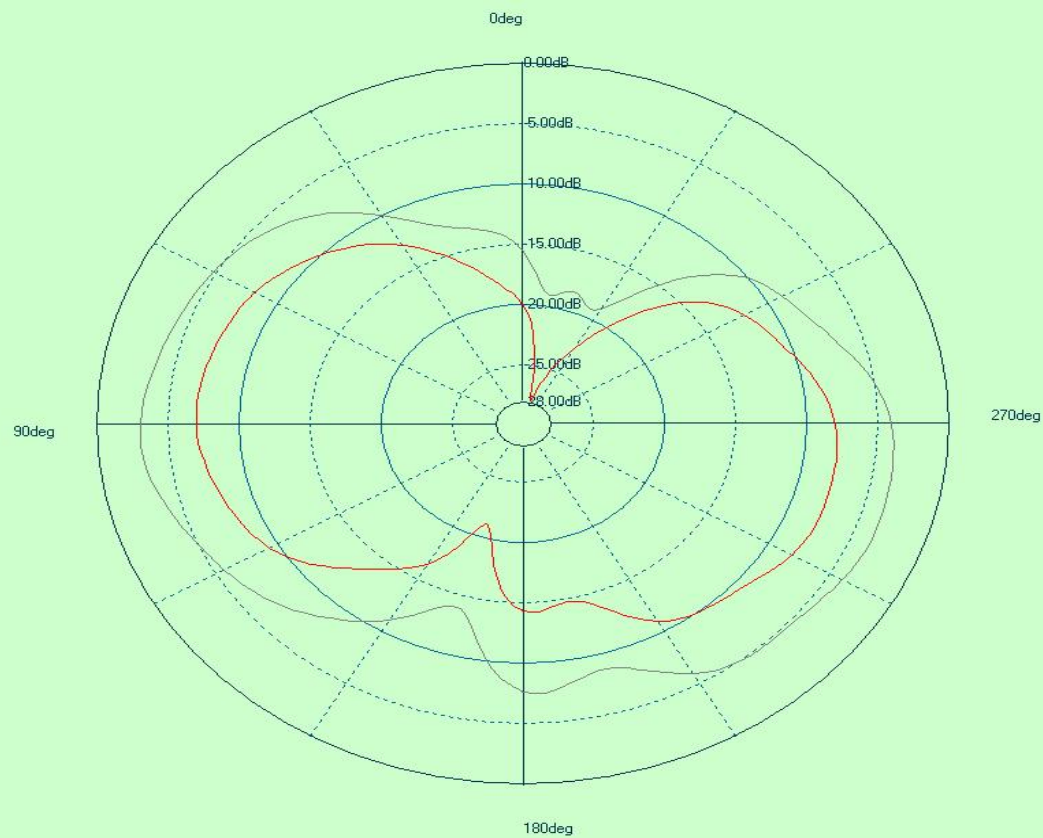
XZ-Plane

700MHZ-960MHZ

Legend

804.00(MHz)

908.00(MHz)



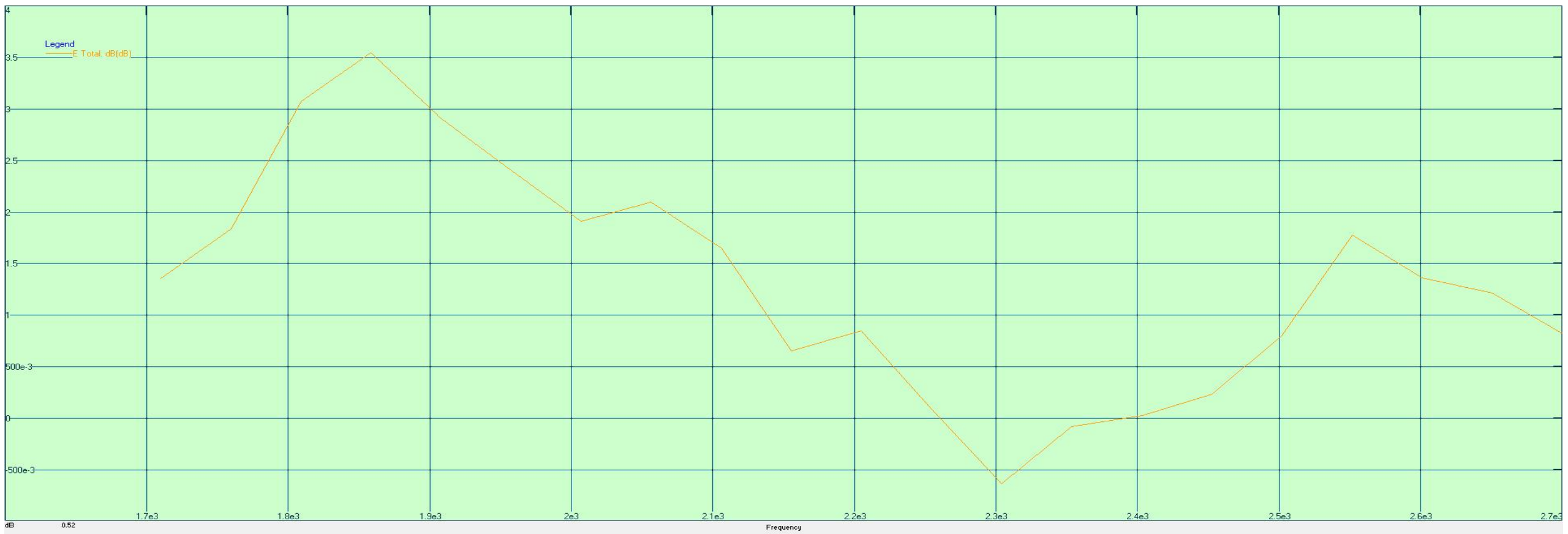
YZ-Plane



Frequency	Gain . dB
1.71E+09	1.354139
1.76E+09	1.840772
1.81E+09	3.076513
1.86E+09	3.548946
1.91E+09	2.904071
1.96E+09	2.408366
2.01E+09	1.907784
2.06E+09	2.100867
2.11E+09	1.651927
2.16E+09	0.657291
2.21E+09	0.847417
2.25E+09	0.08596
2.3E+09	-0.63807
2.35E+09	-0.08233
2.4E+09	0.022881
2.45E+09	0.232008
2.5E+09	0.800276
2.55E+09	1.776968
2.6E+09	1.363984
2.65E+09	1.217604
2.7E+09	0.821132



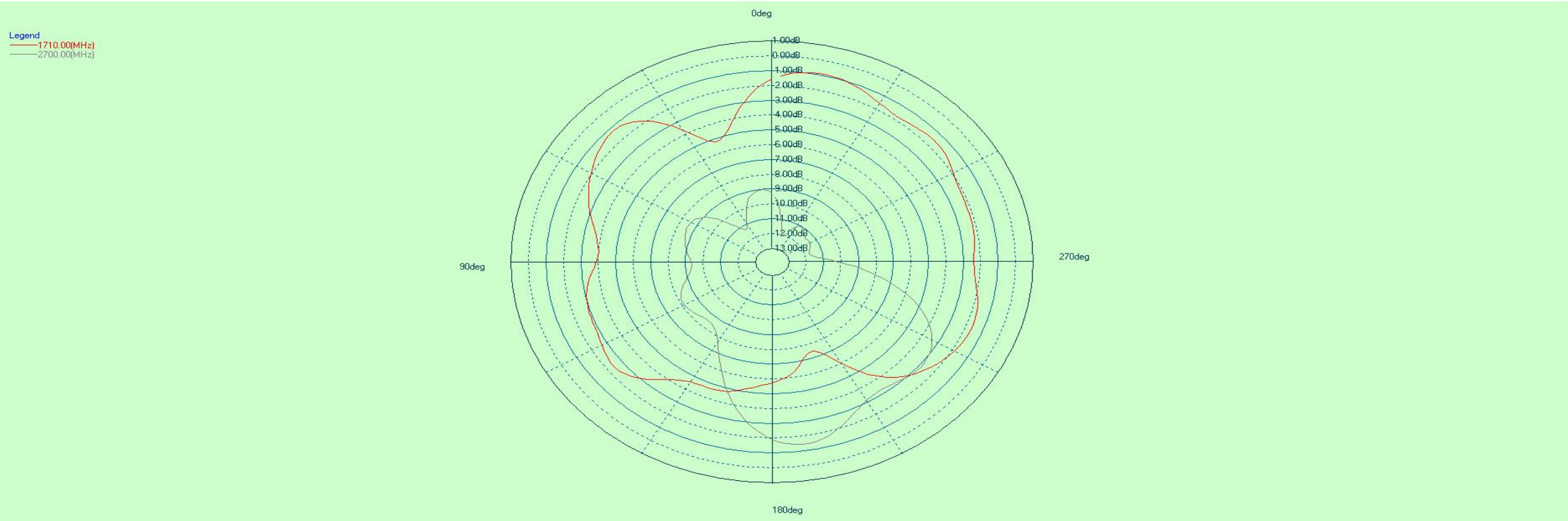
1710MHZ-2700MHZ



1710MHZ-2700MHZ

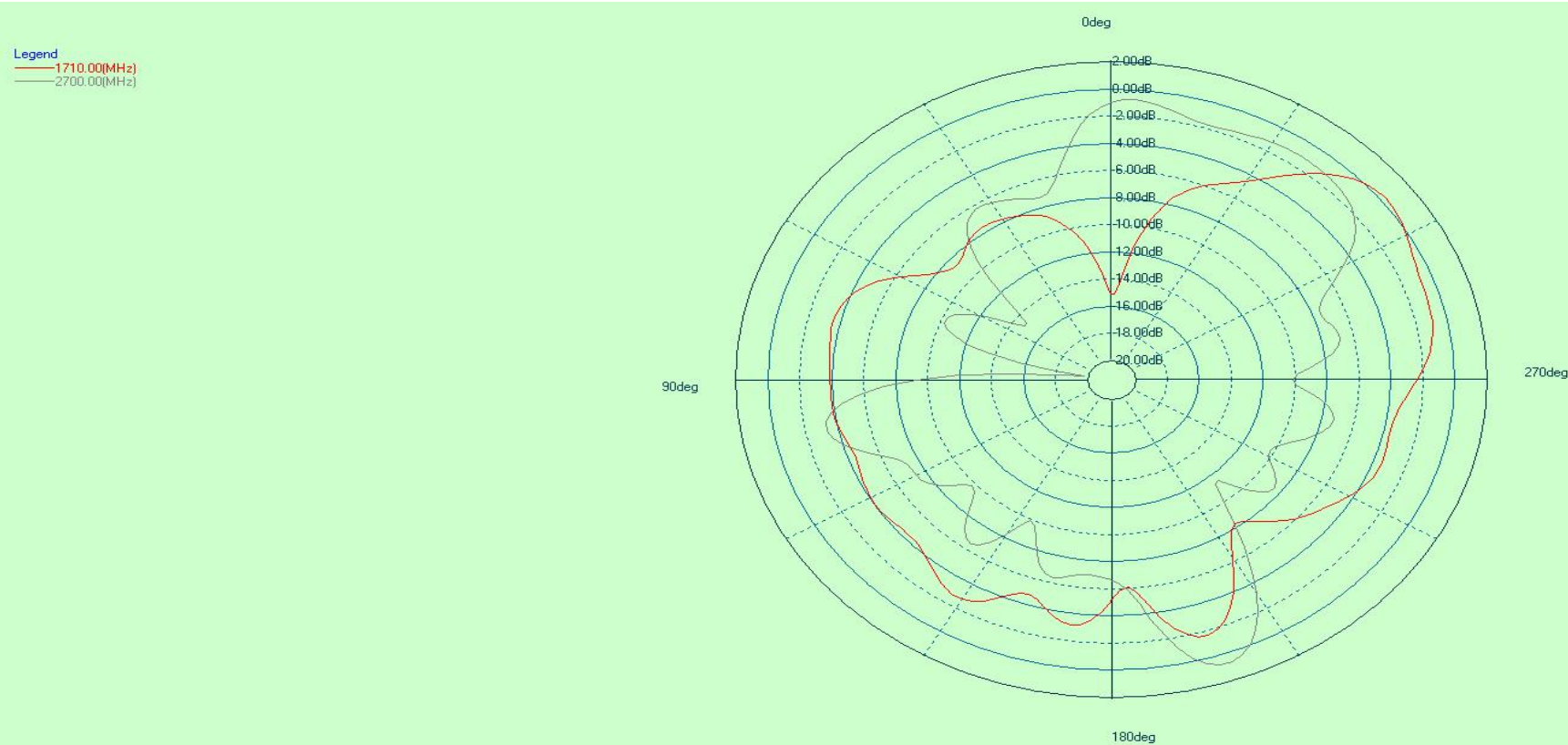


1710MHZ-2700MHZ



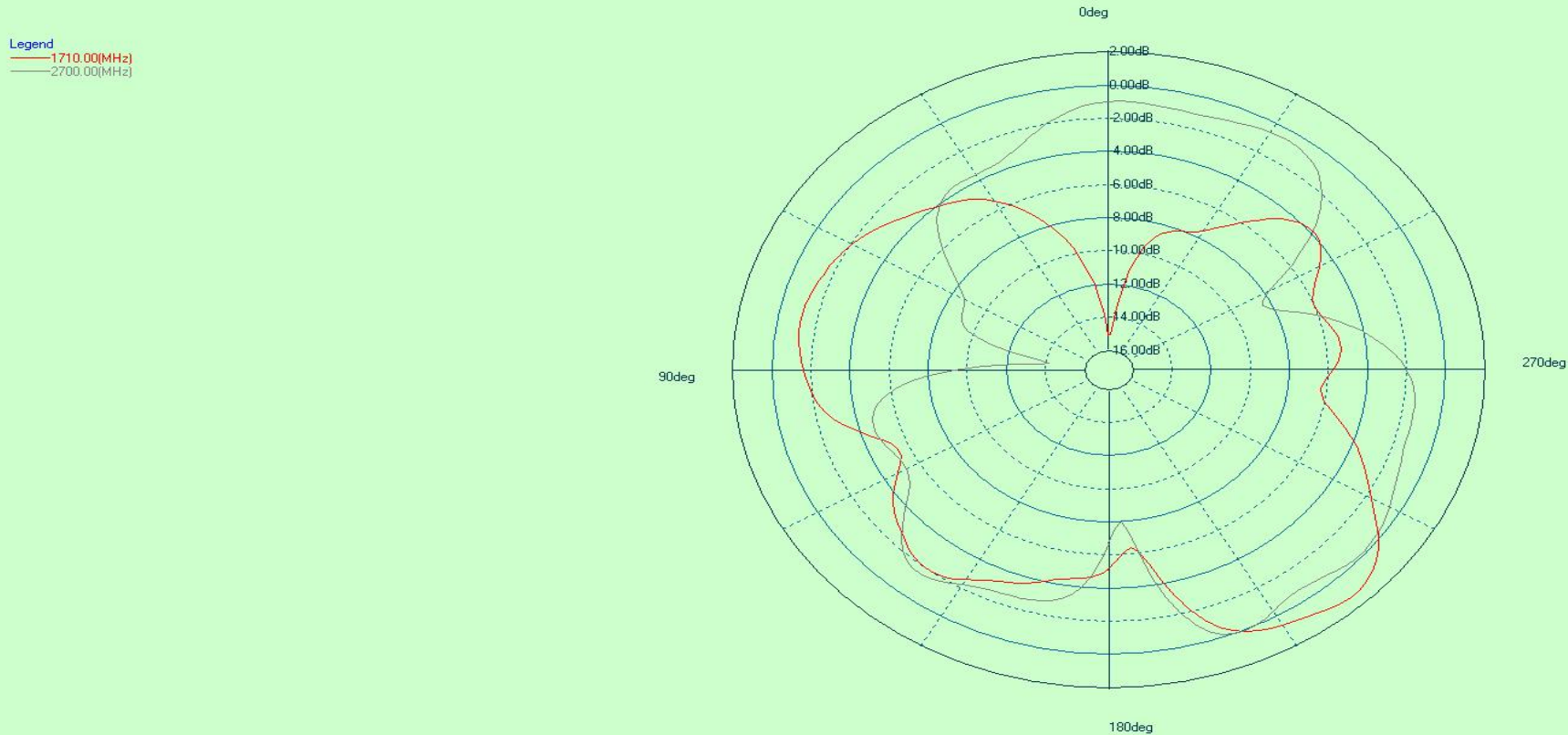
XY-Plane

1710MHZ-2700MHZ



XZ-Plane

1710MHZ-2700MHZ



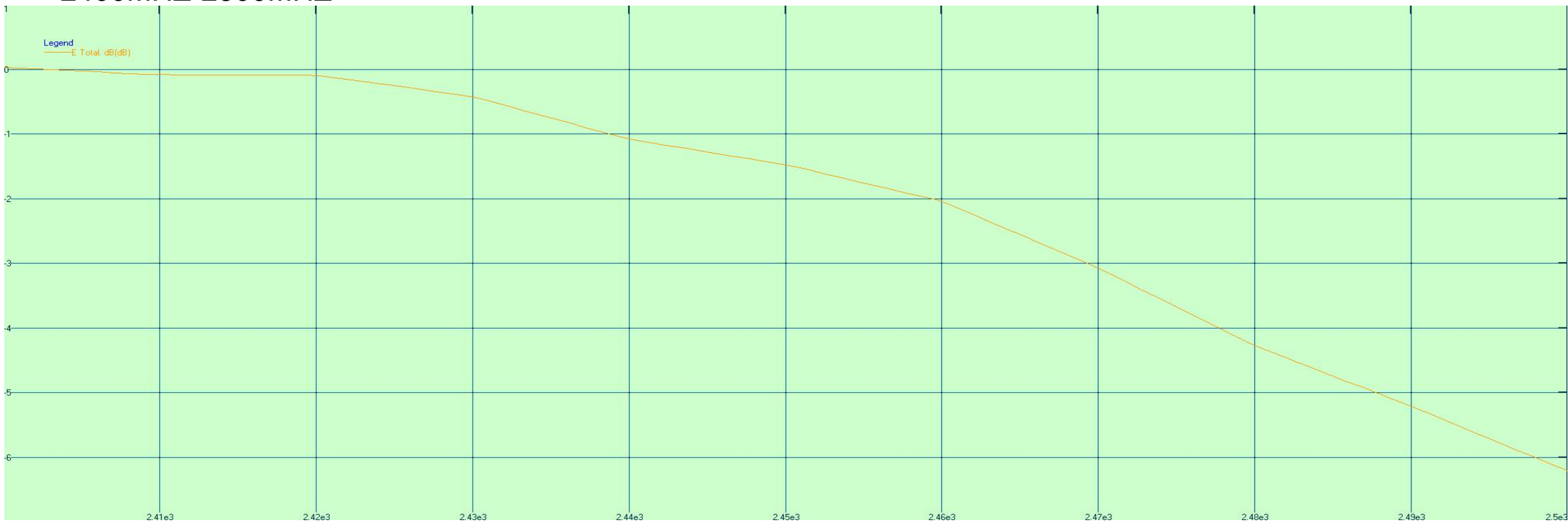
YZ-Plane



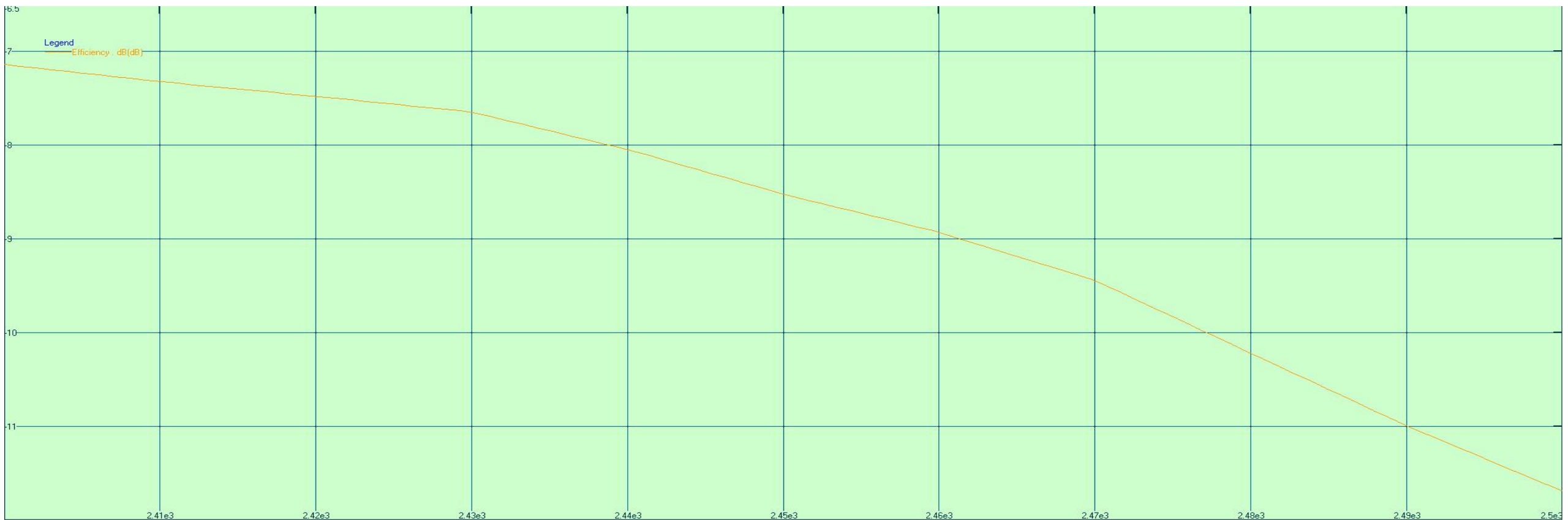
Frequency	Gain . dB
2.4E+09	0.027303
2.41E+09	-0.07946
2.42E+09	-0.08757
2.43E+09	-0.41709
2.44E+09	-1.0785
2.45E+09	-1.47008
2.46E+09	-2.03728
2.47E+09	-3.06955
2.48E+09	-4.2709
2.49E+09	-5.20722
2.5E+09	-6.20687



2400MHZ-2500MHZ



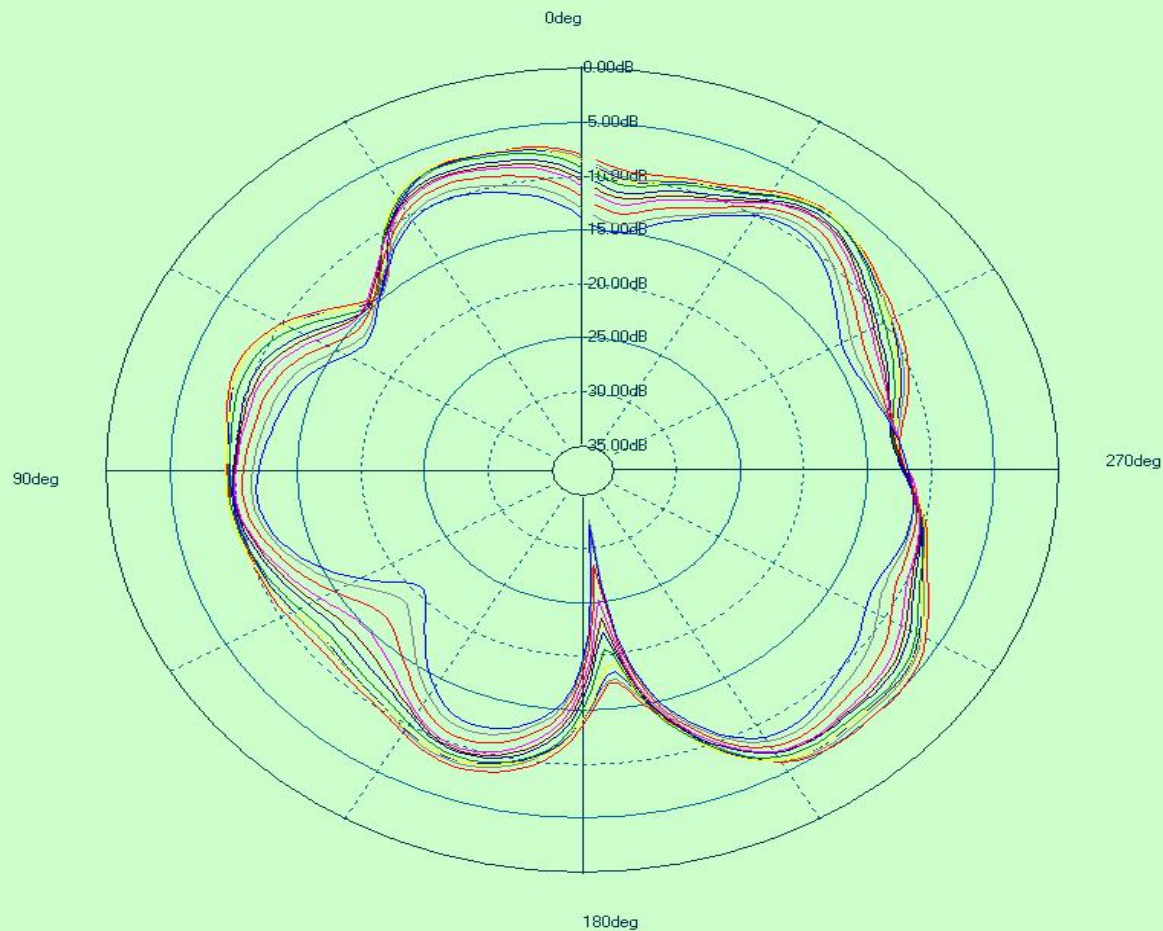
2400MHZ-2500MHZ



2400MHZ-2500MHZ

Legend

- 2400.00(MHz)
- 2410.00(MHz)
- 2420.00(MHz)
- 2440.00(MHz)
- 2450.00(MHz)
- 2460.00(MHz)
- 2470.00(MHz)
- 2480.00(MHz)
- 2490.00(MHz)
- 2500.00(MHz)

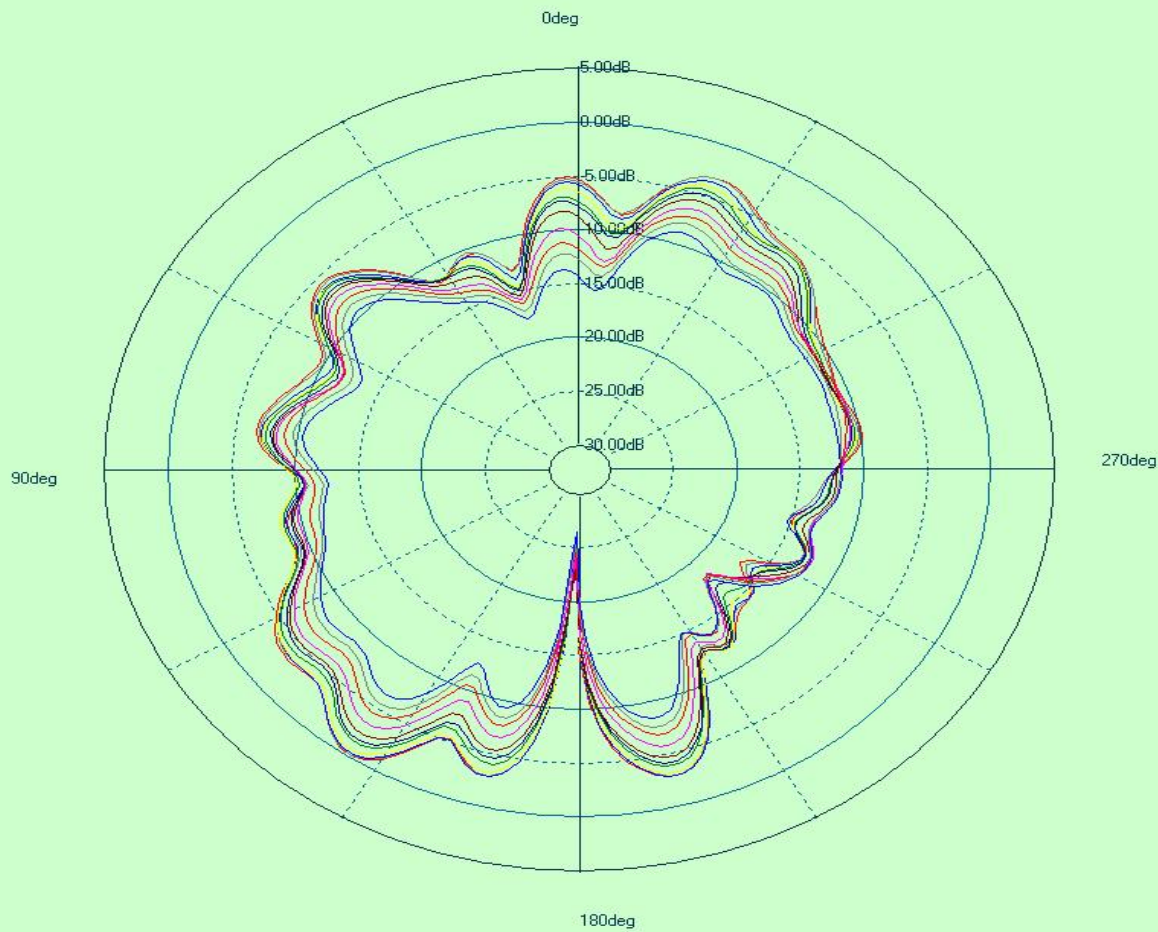


XY-Plane

2400MHZ-2500MHZ

Legend

- 2400.00(MHz)
- 2410.00(MHz)
- 2420.00(MHz)
- 2430.00(MHz)
- 2440.00(MHz)
- 2450.00(MHz)
- 2460.00(MHz)
- 2470.00(MHz)
- 2480.00(MHz)
- 2490.00(MHz)
- 2500.00(MHz)

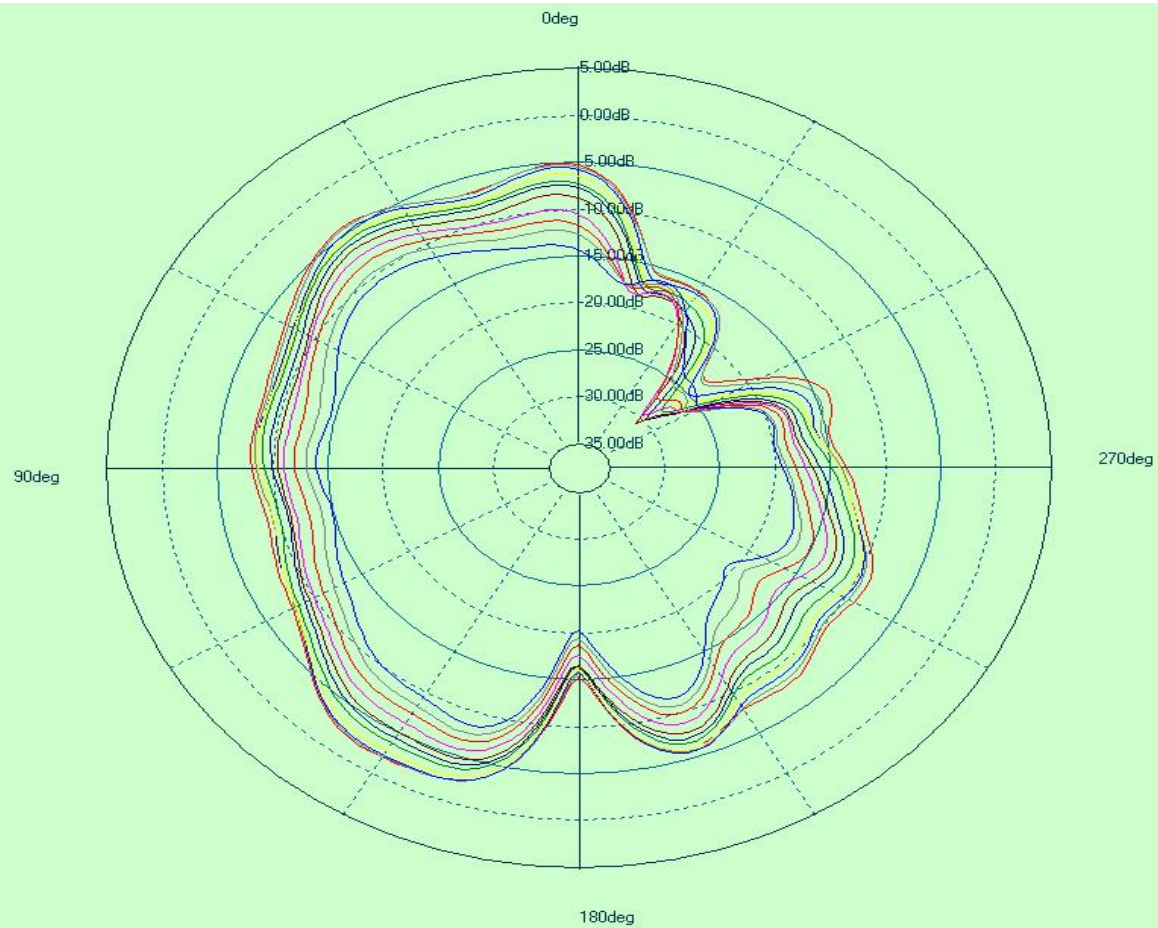


XZ-Plane

2400MHZ-2500MHZ

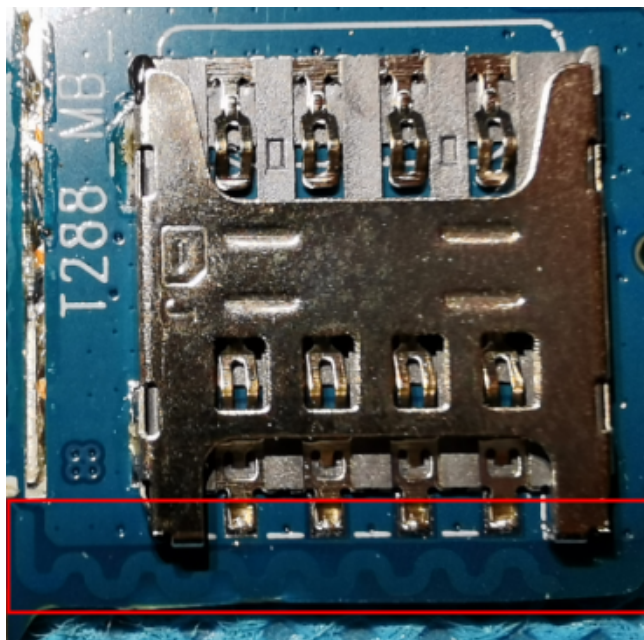
Legend

- 2400.00(MHz)
- 2410.00(MHz)
- 2420.00(MHz)
- 2430.00(MHz)
- 2440.00(MHz)
- 2450.00(MHz)
- 2460.00(MHz)
- 2470.00(MHz)
- 2480.00(MHz)
- 2490.00(MHz)
- 2500.00(MHz)



YZ-Plane

Antenna



(BT Antenna)



(GSM Antenna)