

Feimin Technology OTA antenna data Report

1. Prototype type: MJ-6508

Date : 2024.01.13

Manufacturer:Shenzhen Olight E-Commerce Technology Co., Ltd.
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1.1 test item

- Standing wave ratio/Smith circle
chart/return loss
- gain
- workpiece ratio
- directional diagram

2. Test Result

2.1 Test conditions

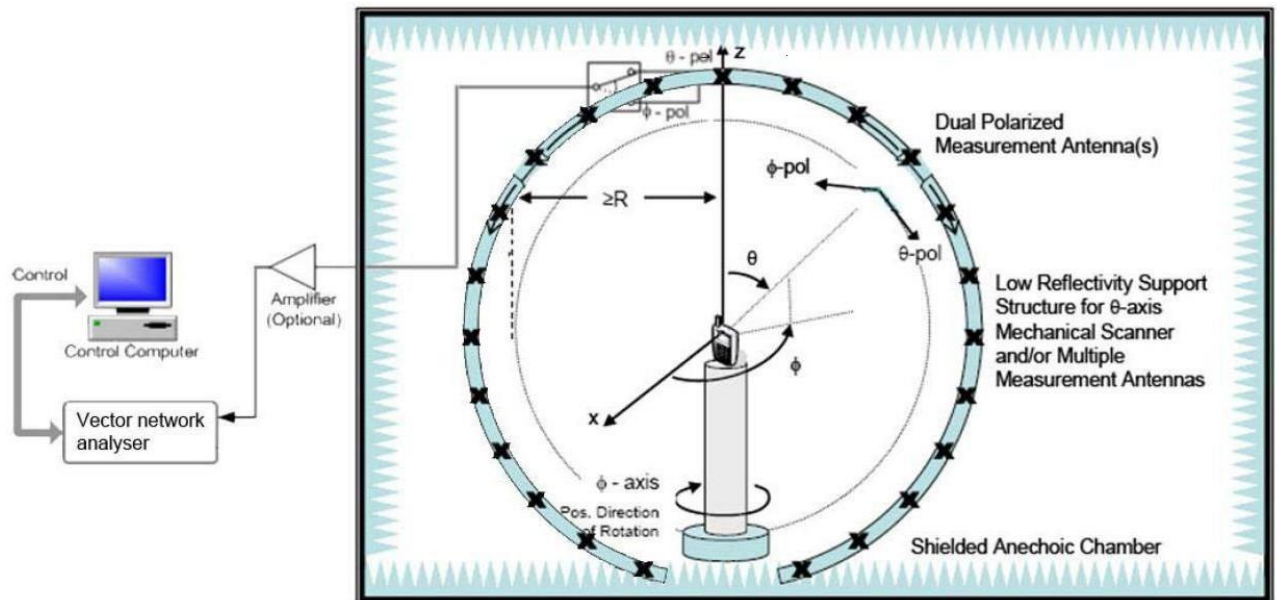
Test Environment Conditions:

Relative Humindity:	15.... 75%
Temperature:	+10℃ to +30℃
Voltage of the EUT:	N/A

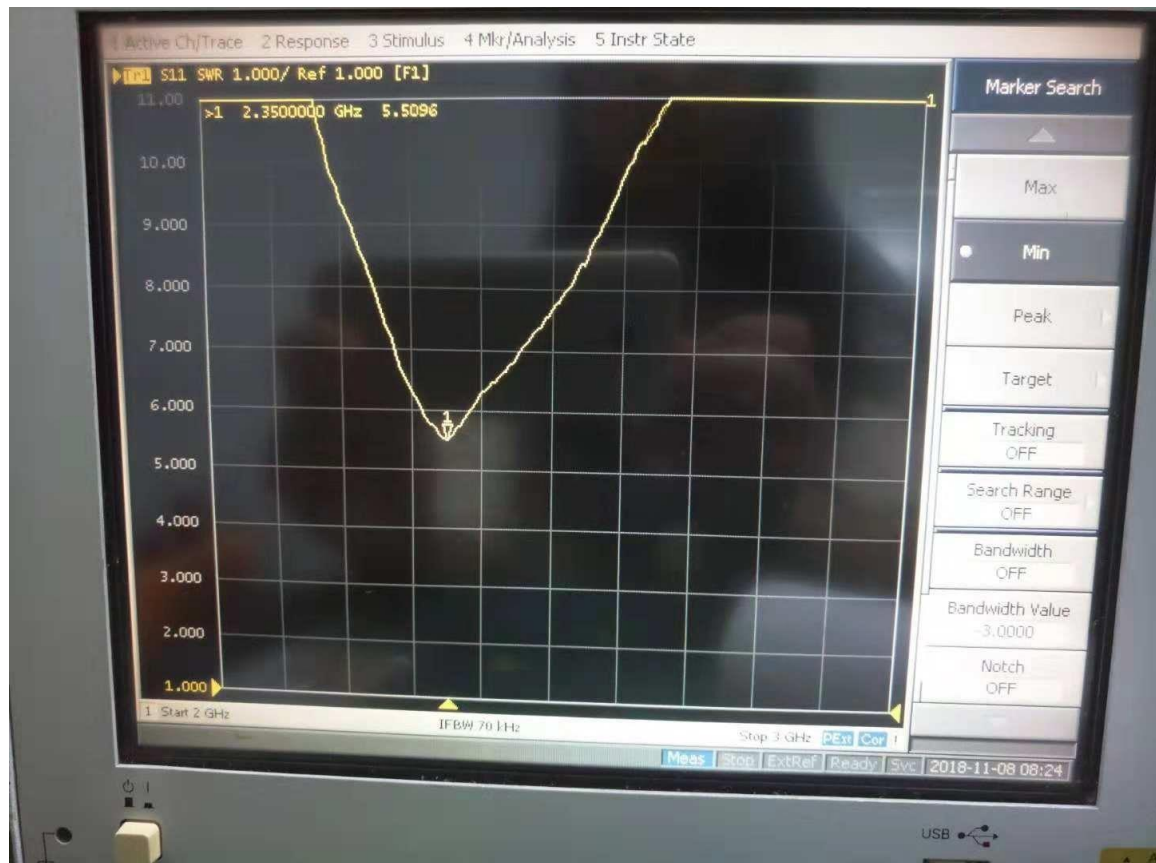
2.2 Test Results lists

Annex A Test Setup

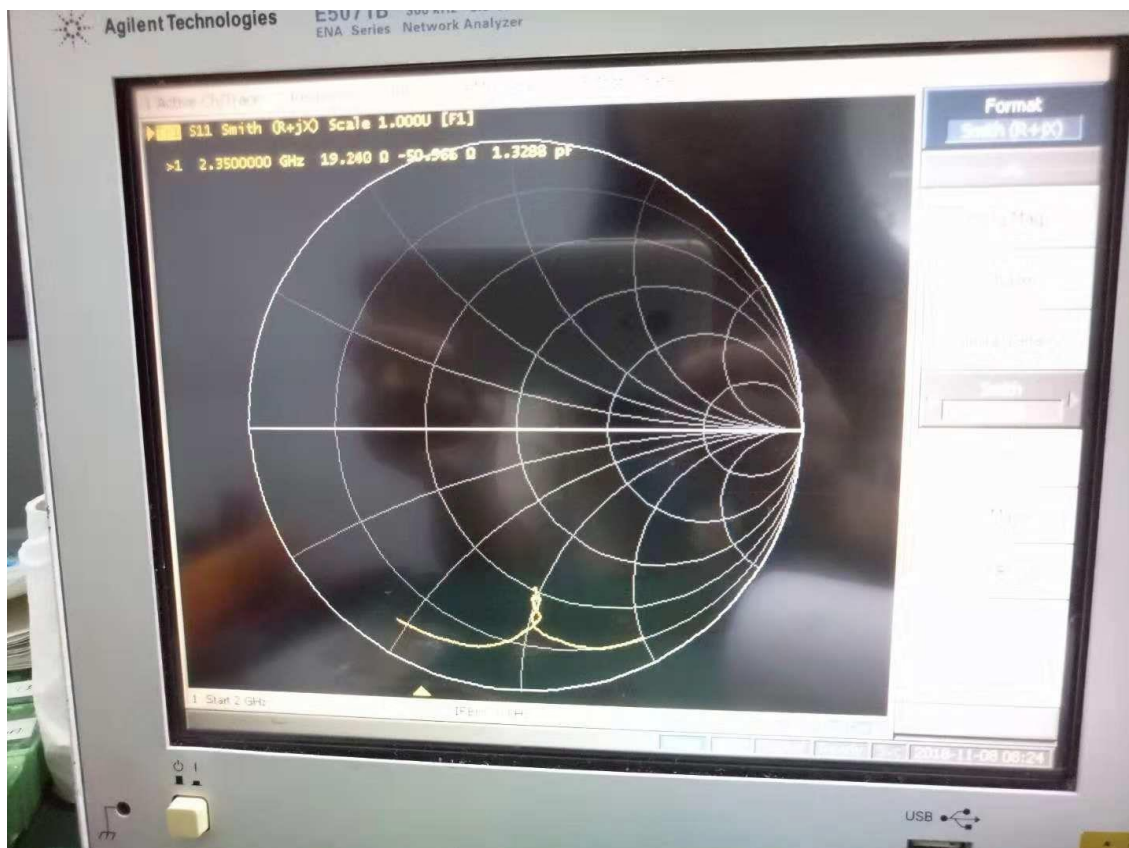
1. Test Setup



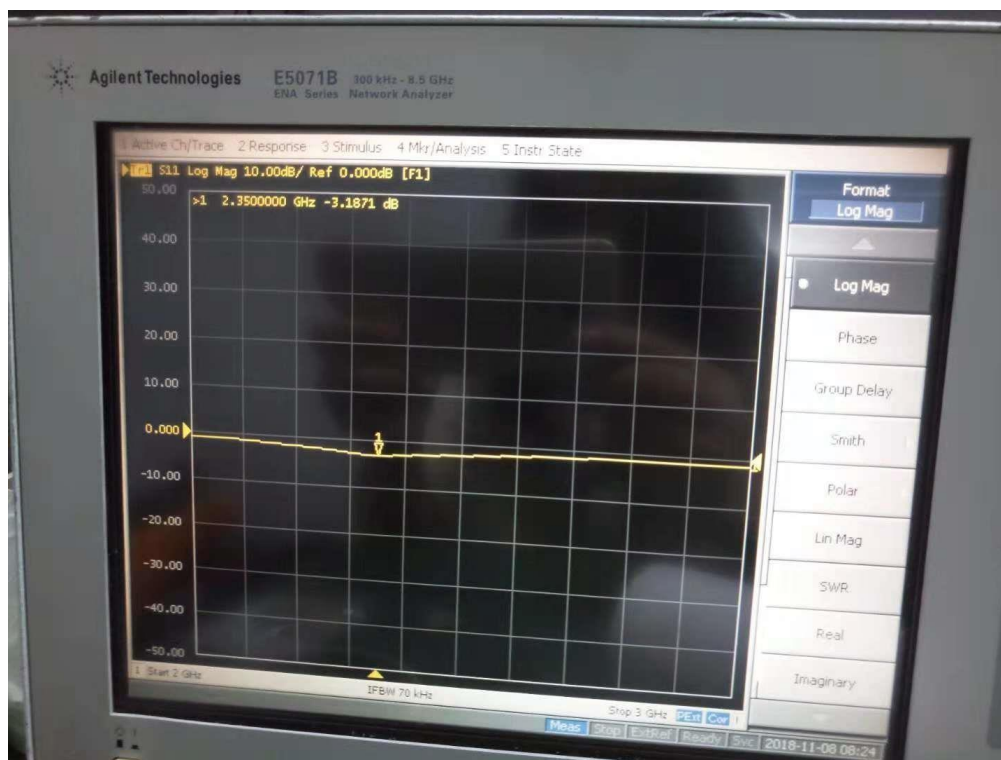
2.2.1 SWR



2.2.2 Smith Chart



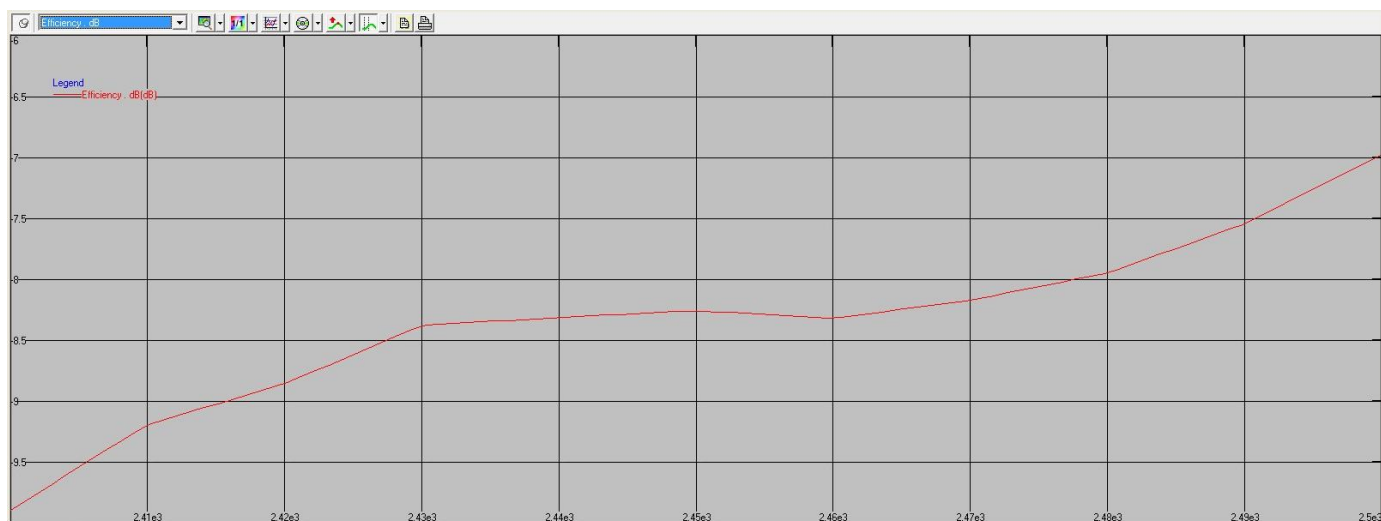
2.2.3 LOG MAG



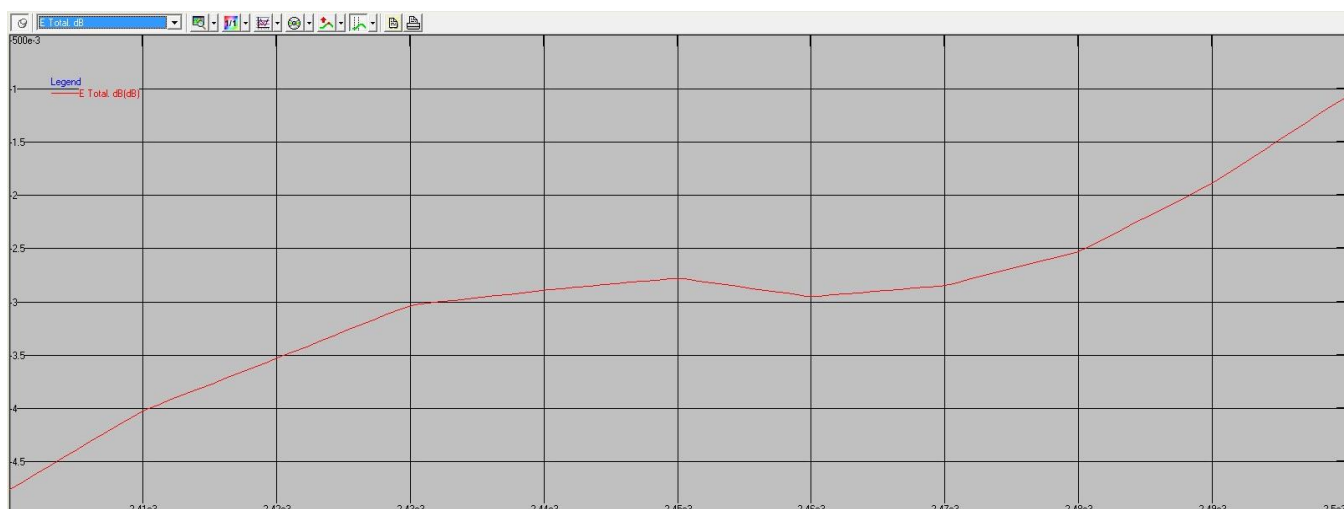
2.2.4 Gain and Efficiency

Frequency	Gain(dBi)	Efficiency
2400MHz	-4.76	10.25
2410MHz	-4.01	12.05
2420MHz	-3.52	13.01
2430MHz	-3.03	14.53
2440MHz	-2.89	14.75
2450MHz	-2.77	14.94
2460MHz	-2.95	14.72
2470MHz	-2.84	15.24
2480MHz	-2.53	16.04
2490MHz	-1.89	17.60
2500MHz	-1.07	20.05

Efficiency

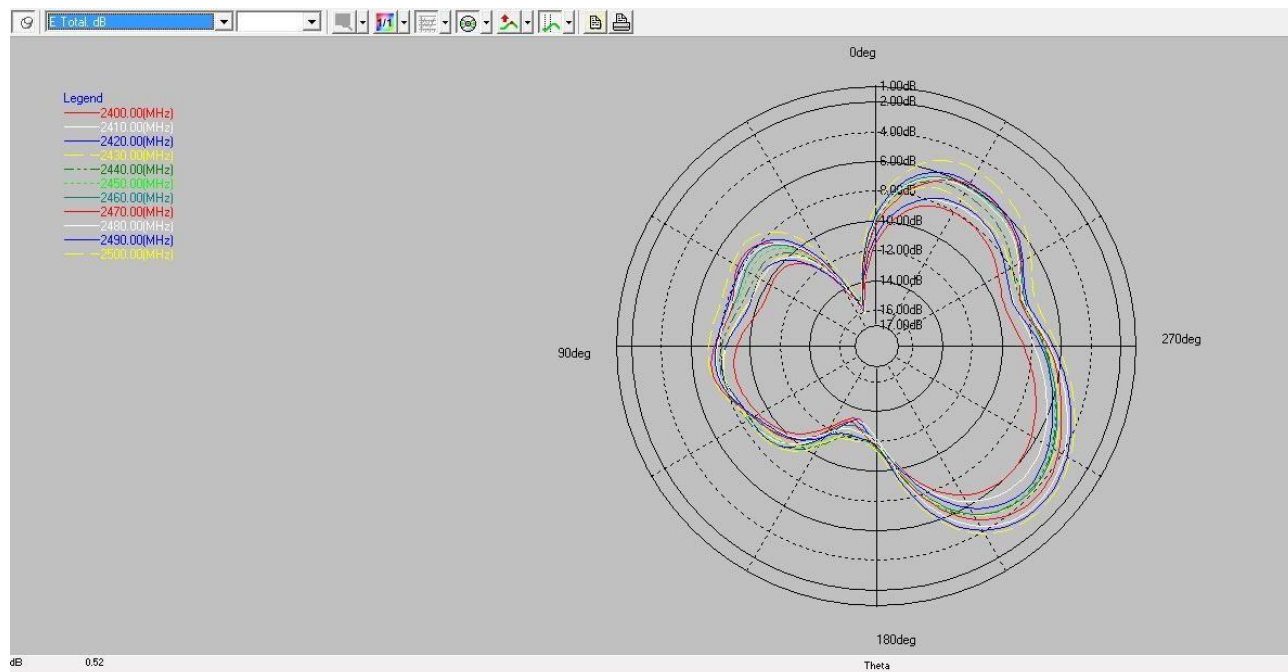


Peak Gain

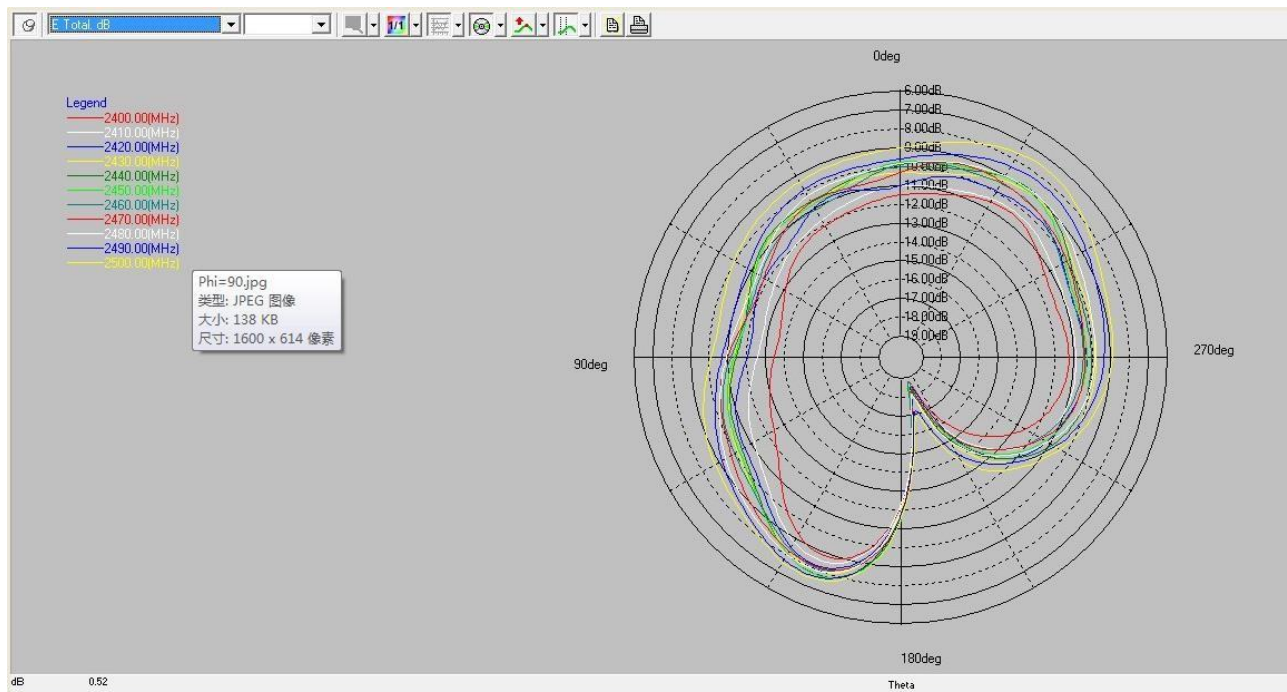


2.2.4 极化方向

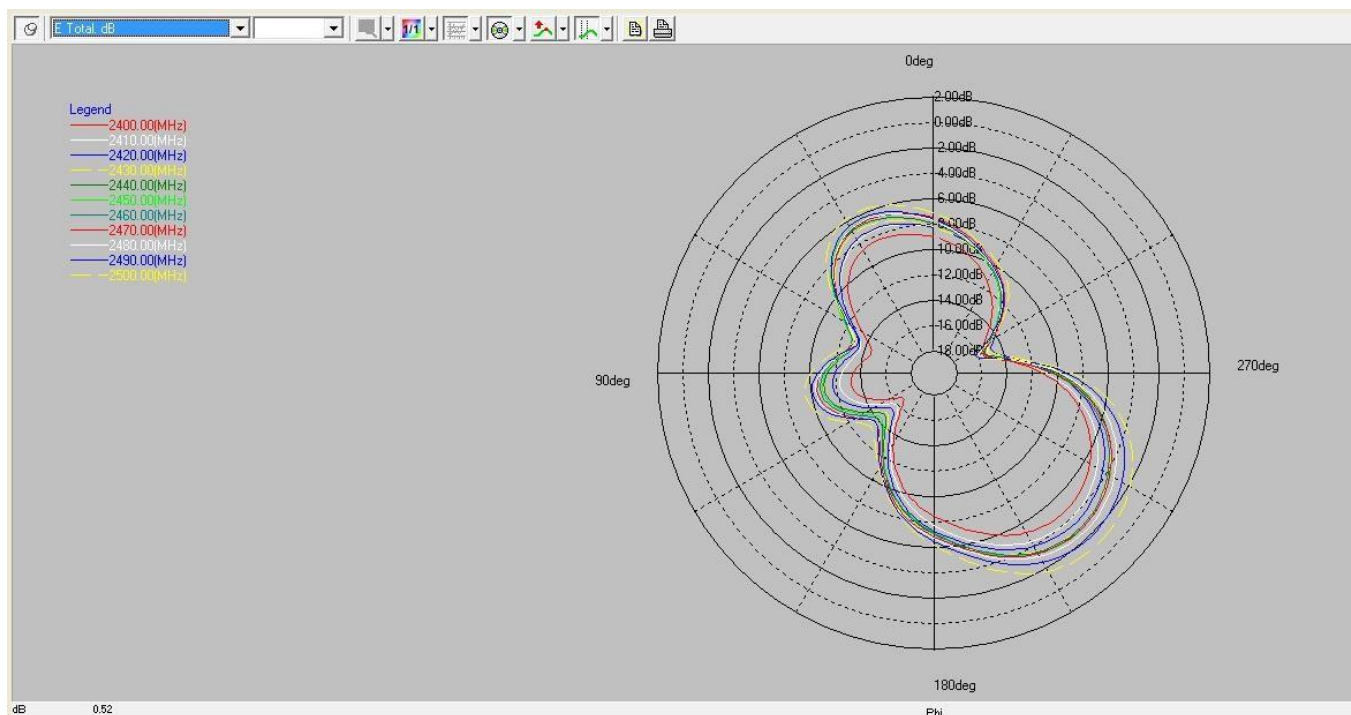
Phi=0



Phi=90



Phi=180



2.2.6 天线辐射 3D 图

