



深圳市英佳创电子科技有限公司

Shenzhen Yingjiachuang Electronic Technology Co., Ltd

通用板 天线调测报告

General board antenna debugging report

Date: August 24th, 2023

Proposed by: Huang Teng

Reviewed by: Wu Longfei

Approved by: Xiao Han

Headquarters Address: Building C, Hongyu Guangming Valley, No. 11 Youmagang Road, Matian Street, Guangming District, Shenzhen

Dongguan Branch: Yingjiachuang Industrial Park, No. 2 Yinhe 3rd Road, Shishuikou, Qiaotou Town, Dongguan City

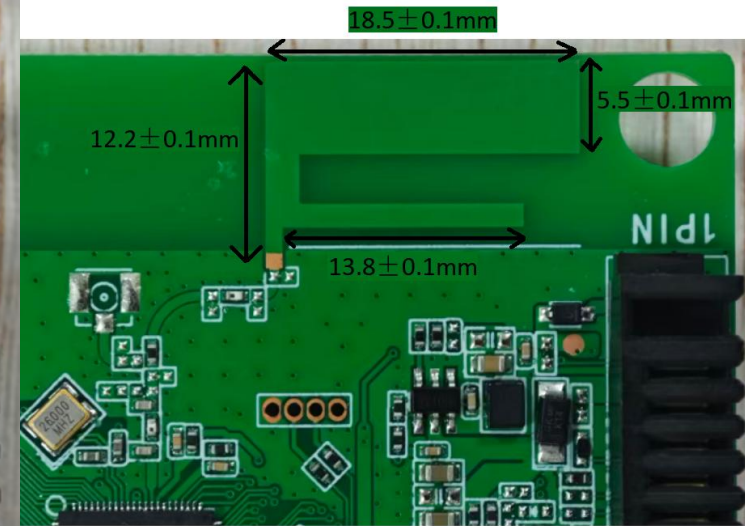
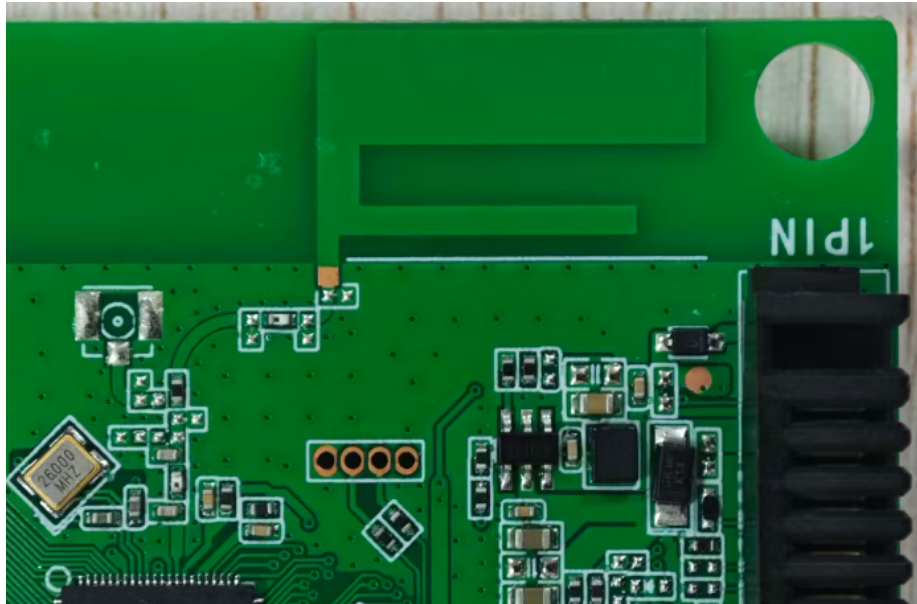
Hangzhou Office: Room 212, Building B, Dahua Jianghong International Innovation Park, No. 369 IoT Street, Binjiang District, Hangzhou City.

Mianyang Office: Room 4F-34, Wanxiang High tech International, No. 35 Mianxing East Road, High tech Zone, Mianyang City, Sichuan Province

Phone: 0755-27810060 Fax: 0755-27810057 Website: <http://www.szsyjc.com>

天线位置图:

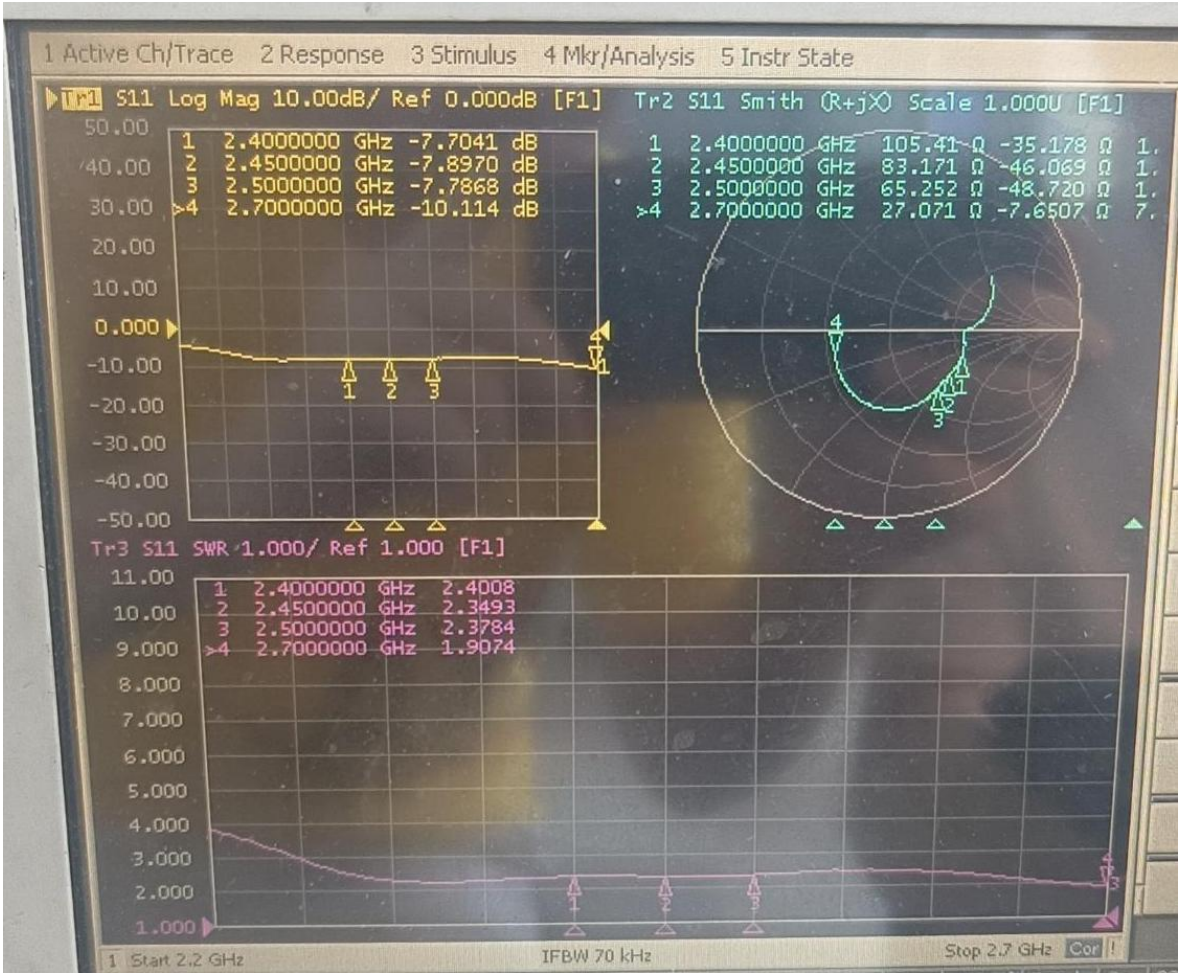
Antenna location map:



Antenna Type:	PCB antenna
---------------	-------------

2.4G天线S11测试图:

2.4G antenna S11 test diagram:



OTA有源测试数据:

OTA active test data:

Item	Measurement	Band	Channel	Frequency	Max	Min	Total
1	TRP	WIFI_B (11M)	1	2412	18.15	-2.02	13.33
2	TRP	WIFI_B (11M)	6	2437	20.70	0.17	15.61
3	TRP	WIFI_B (11M)	11	2462	21.32	0.08	15.99
4	TIS(EIRP)	WIFI_B (11M)	1	2412	-67.79	-87.60	-82.07
5	TIS(EIRP)	WIFI_B (11M)	6	2437	-66.48	-87.01	-81.10
6	TIS(EIRP)	WIFI_B (11M)	11	2462	-64.02	-86.57	-80.67

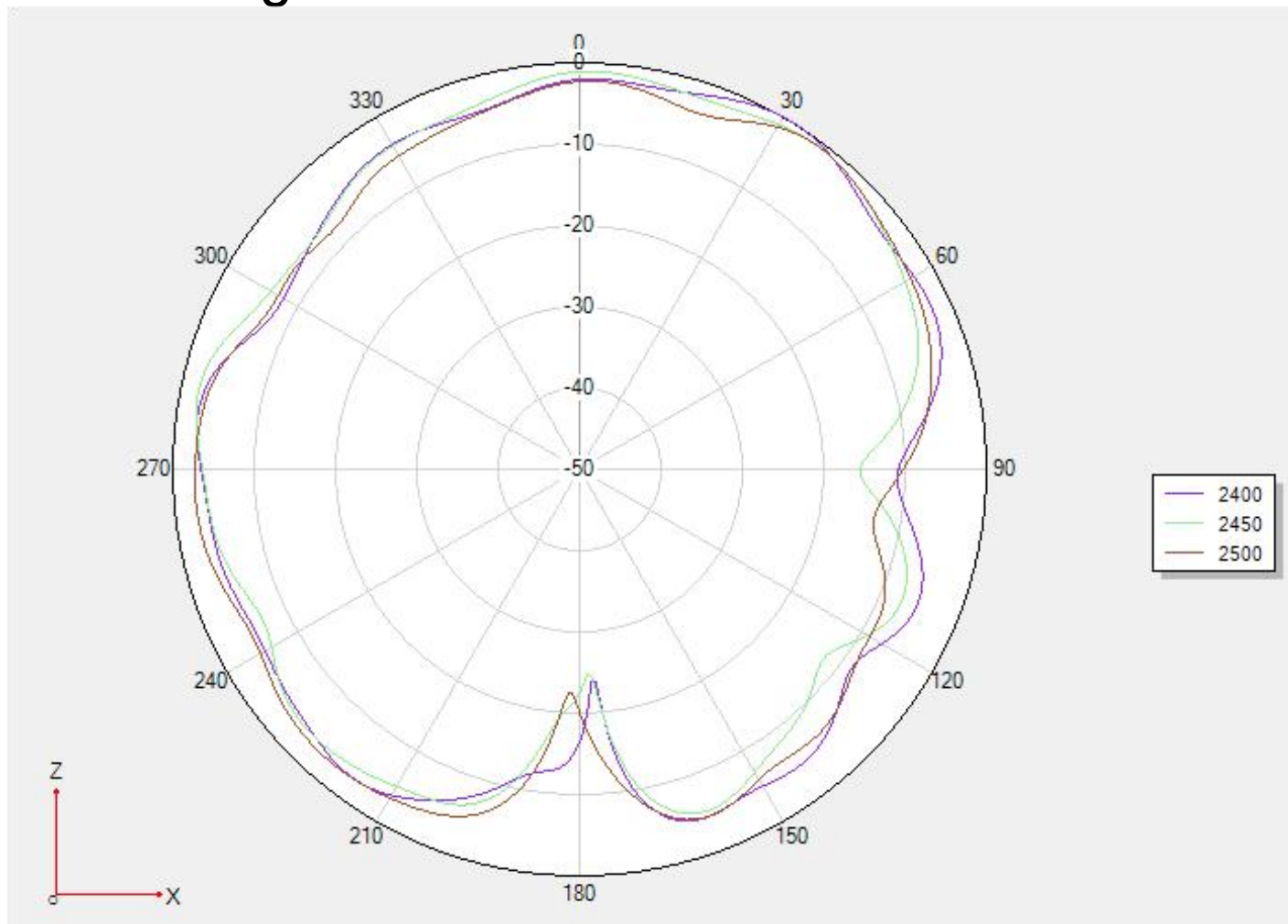
2D、3D测试数据：

2D and 3D testing data:

Frequency	Efficiency (%)	Gain. (dBi)
2400MHz	28.44	2.11
2410MHz	30.13	2.75
2420MHz	28.51	2.21
2430MHz	31.55	3.39
2440MHz	28.84	2.48
2450MHz	30.55	2.71
2460MHz	28.84	2.74
2470MHz	29.17	3.23
2480MHz	28.51	2.46
2490MHz	33.96	3.49
2500MHz	33.50	3.05

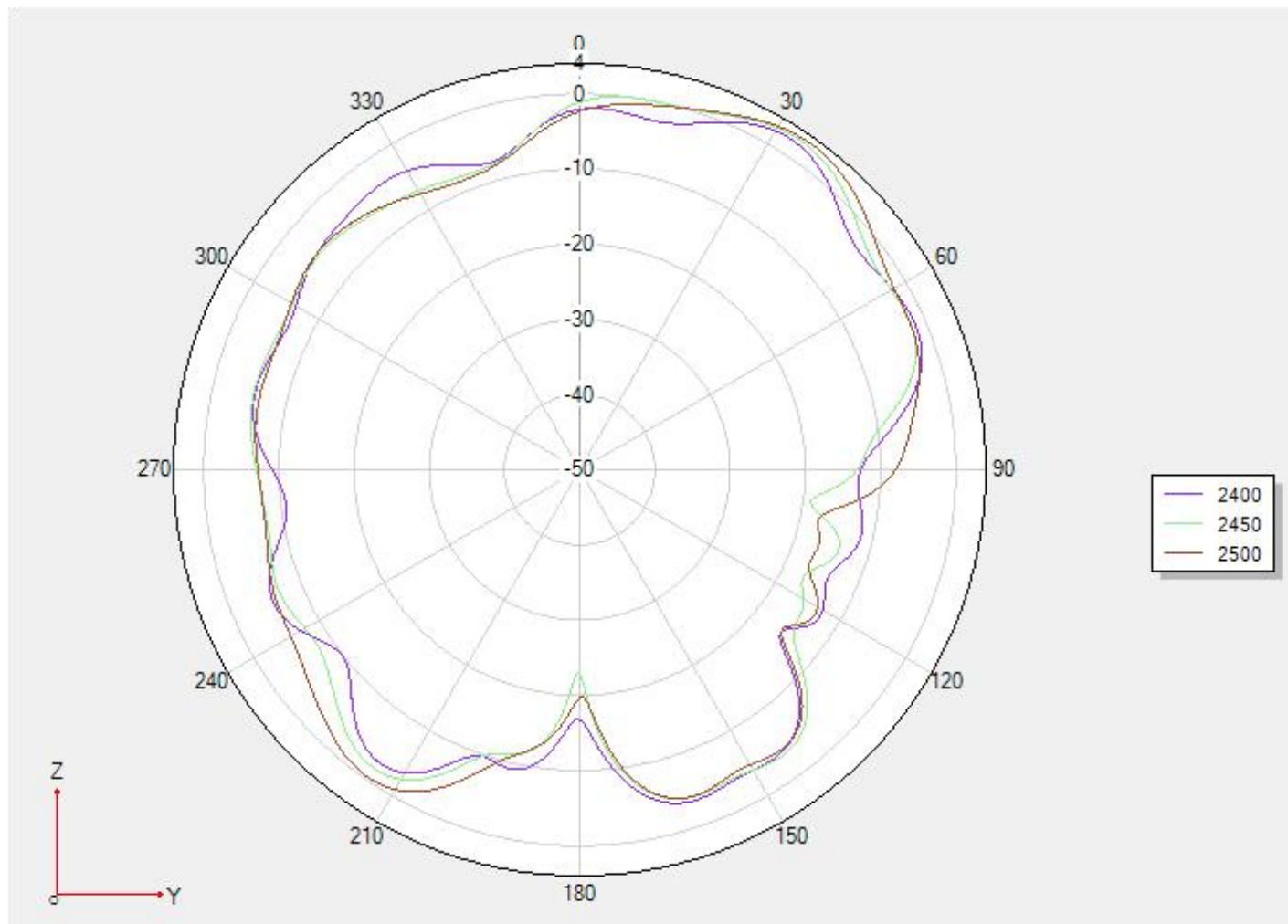
Phi 0 2D图

Phi 0 2D diagram



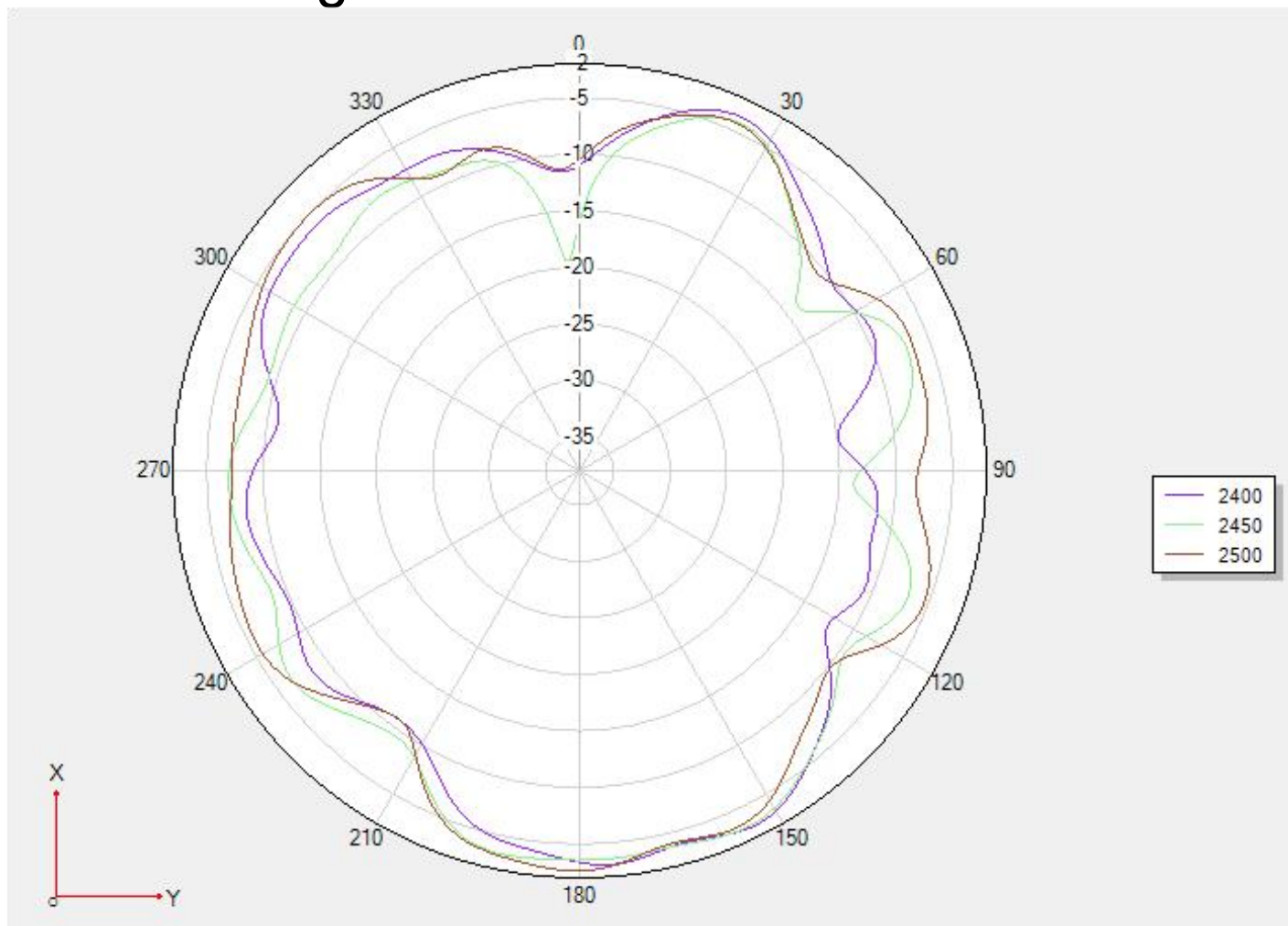
Phi 90 2D图

Phi 90 2D diagram



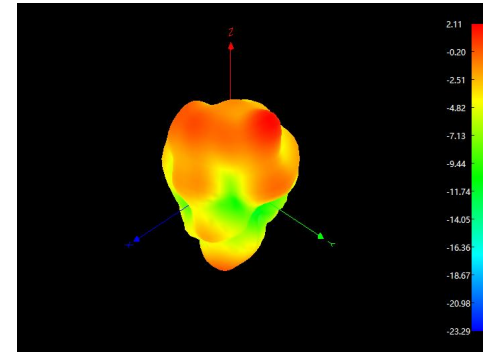
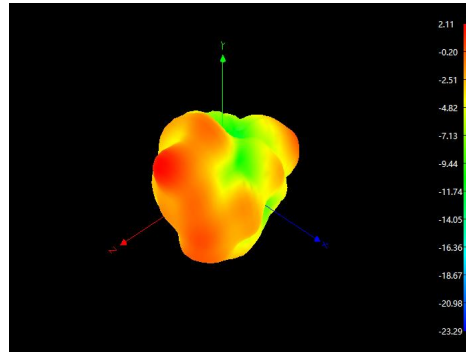
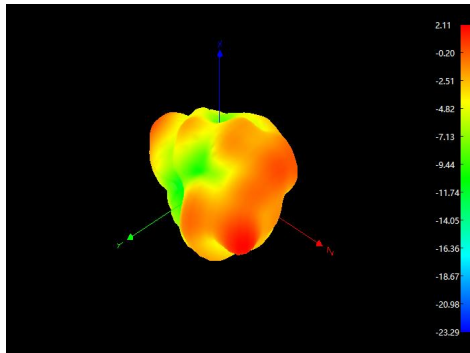
Theta 90 2D图

Theta 90 2D image

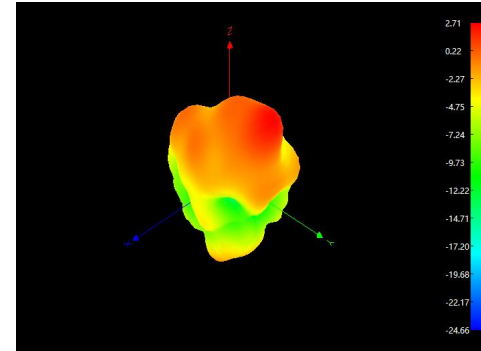
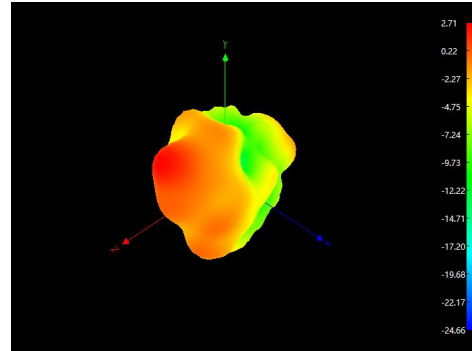
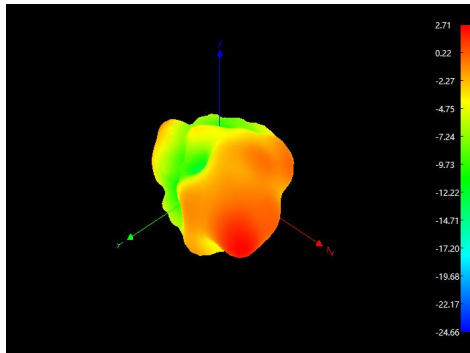


3D测试数据 3D testing data

3D 2400MHz



3D 2450MHz



3D 2500MHz

