

Antenna test report

Test Laboratory	Dongguan Yijia Electronic Co., LTD
Address	No. 59 Muyu Road, Shatou Community, Chang 'an Town, Dongguan City, Guangdong Province
Contact:	Mr. Gan 13823198410
Model	H6842, R6842

1. Test procedures

Name	Parameter	Method	Standard No.
Mobile communication antenna	VSWR	Generic specificalton for antennas used in the mobile communications	GB/T 9410-2008
	Antenna Gain		
	Radiation pattern		
Antenna	Radiation efficiency	IEEE Standard Test Procedures for Antennas	ANSI/IEEE Std 149-1979

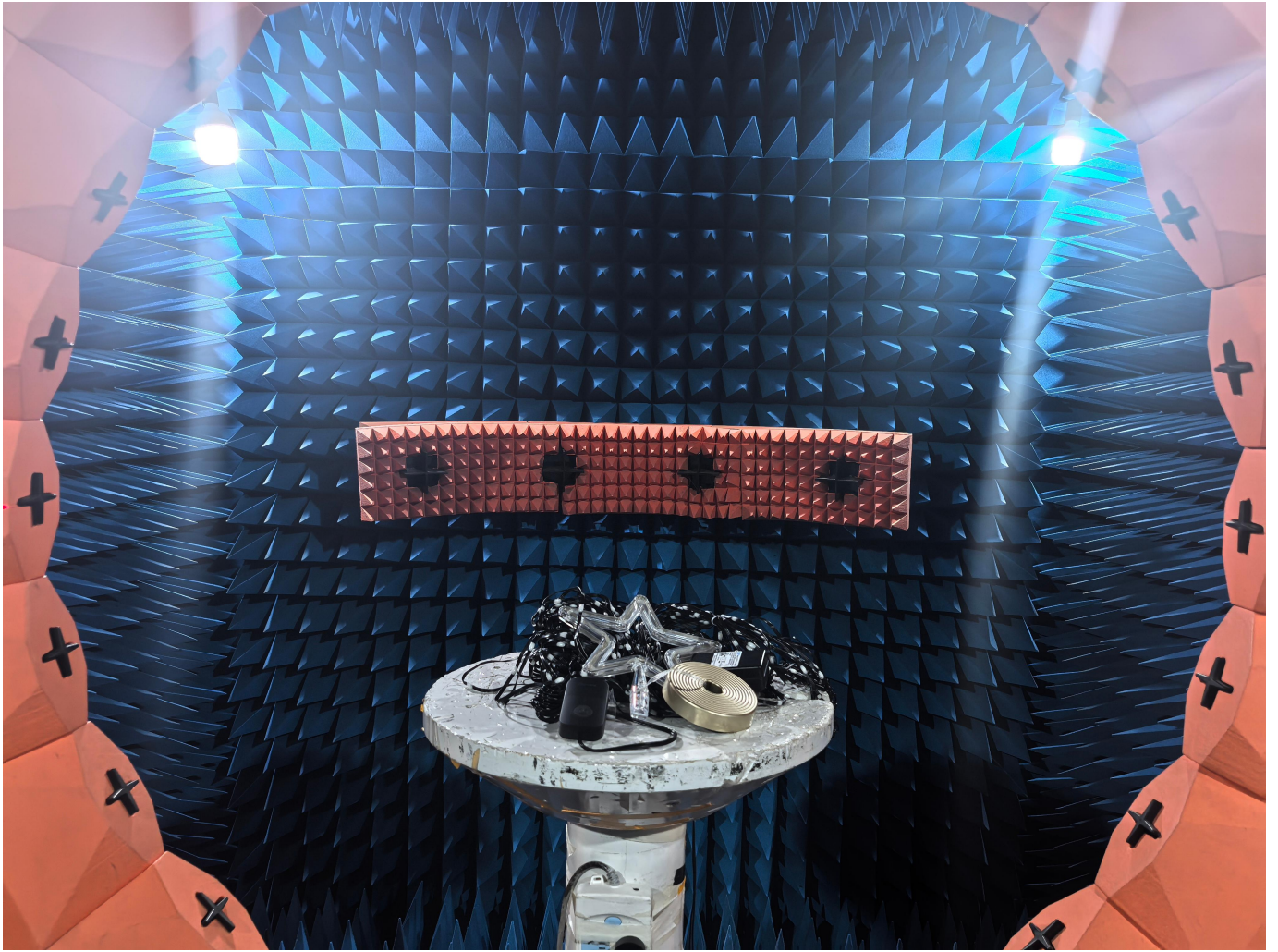
2. Test Equipment

Equipment	Model No.	Serial No.	Manufacture	Calibration Date	Next calibration Date
24 probe Microwave chamber	MPS2450 Multi-probe OTA measurement systems 5*5*5	YJ-PB-F01	XH-IOE	2025.08.25	2026.08.25
Network Analyzer	ZVB8	YJ-RD- 15	ROHDE& SCH WARS	2025.08.25	2026.08.25
Wideband radio Communication tester	CMW500	YJ-RD- 16	ROHDE& SCH WARS	2025.08.25	2026.08.25

3. DUT Setup Photo

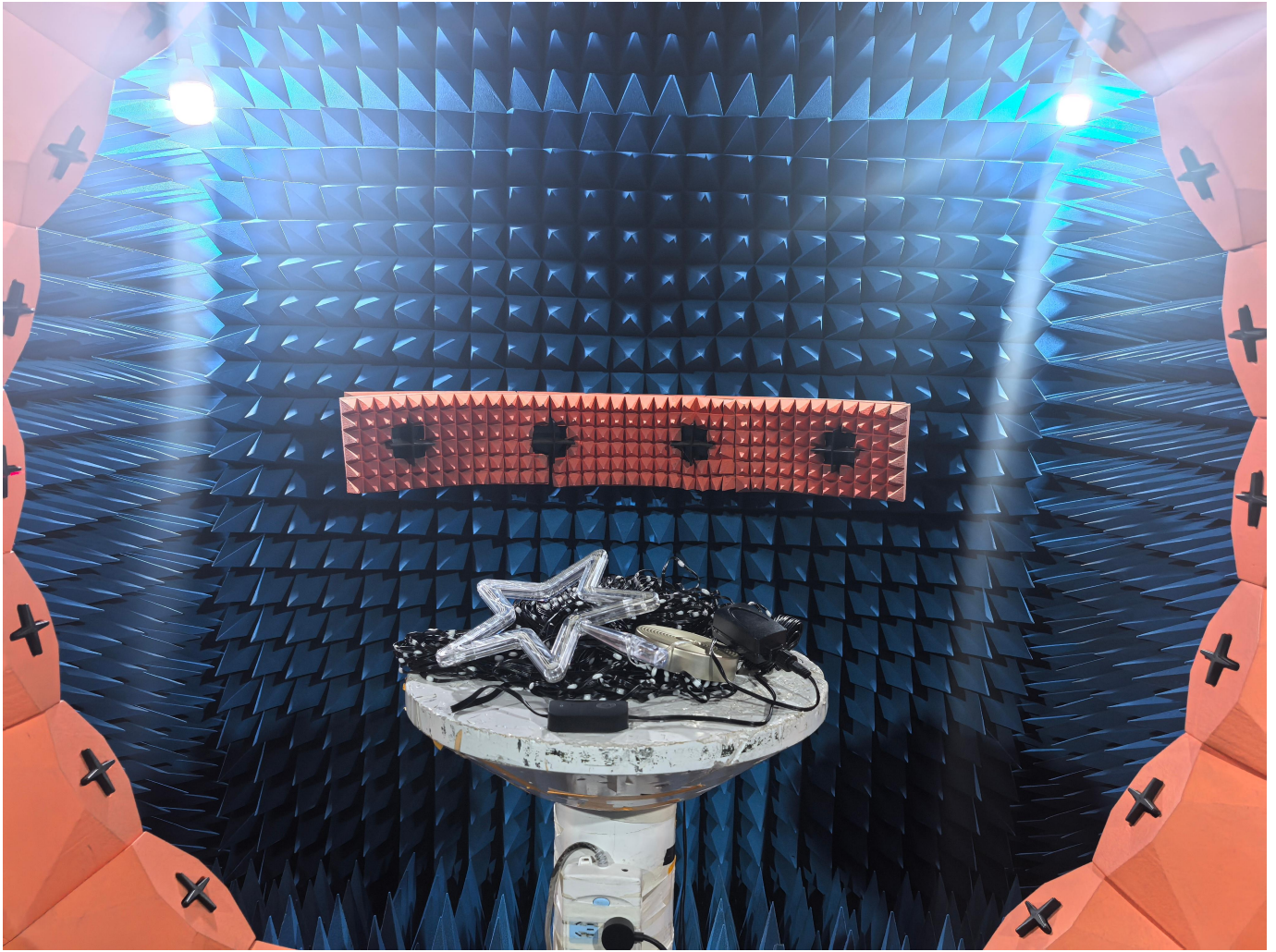
H6842



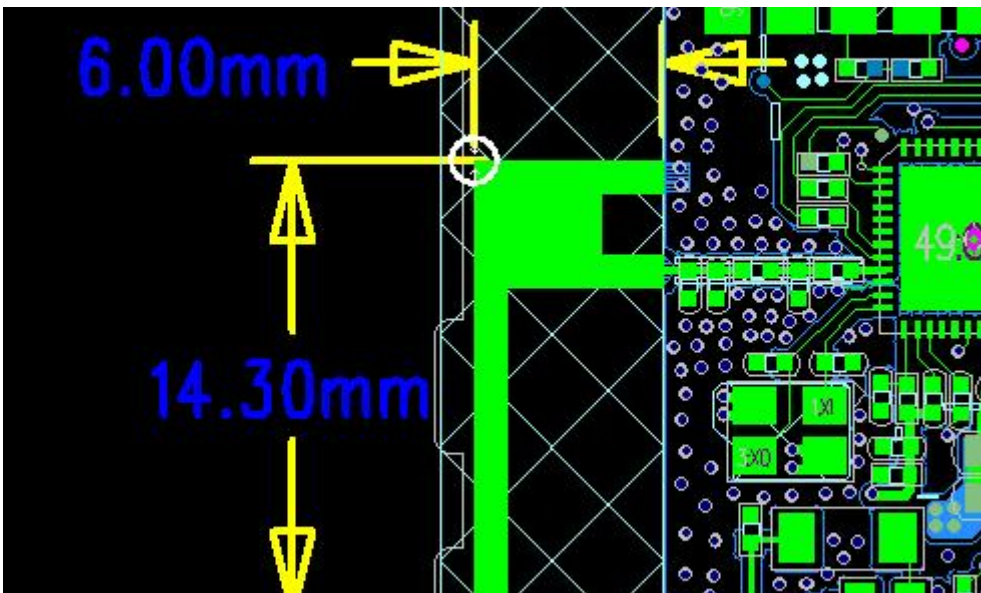


H6843

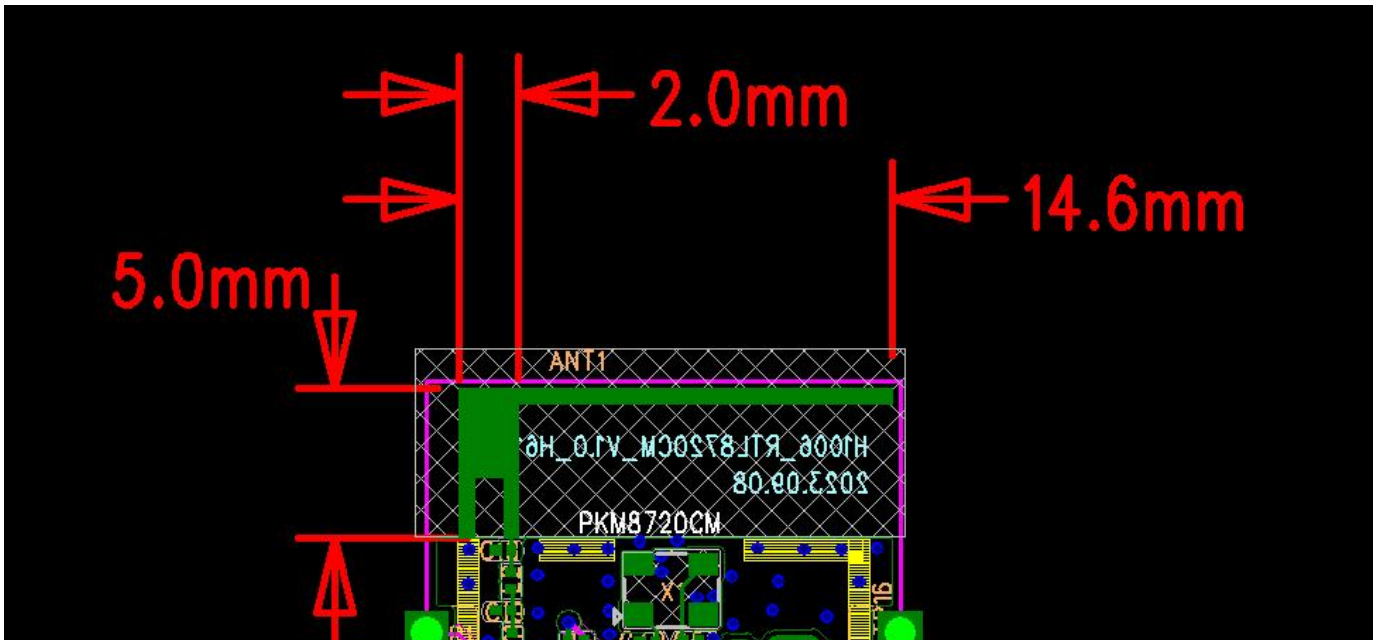




4. Bluetooth Antenna Physical Size



5. WIFI Antenna Physical Size

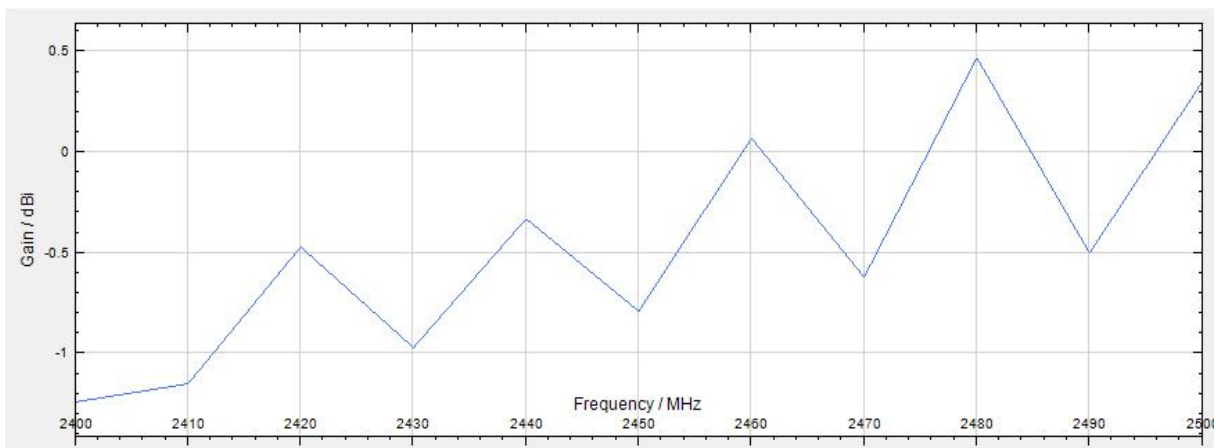


6. Bluetooth&WiFi Antenna Type & Gain

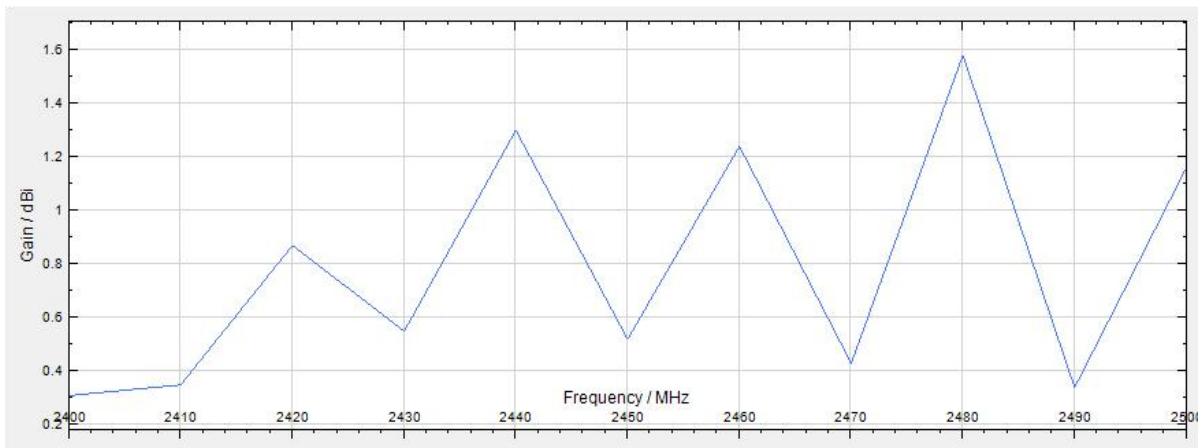
Type: PCB

Frequency / MHz	BT Gain/ dBi	WiFi Gain/ dBi
2400	-1.24	0.31
2410	-1.15	0.35
2420	-0.47	0.87
2430	-0.97	0.55
2440	-0.33	1.3
2450	-0.79	0.52
2460	0.07	1.24
2470	-0.62	0.43
2480	0.47	1.58
2490	-0.5	0.34
2500	0.35	1.16

BT:

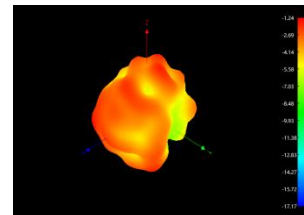
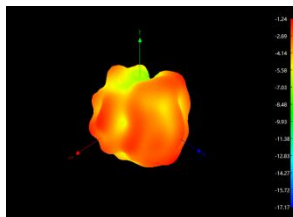
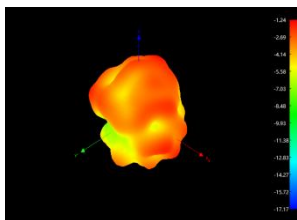


WiFi:

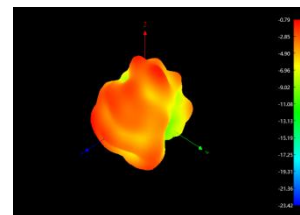
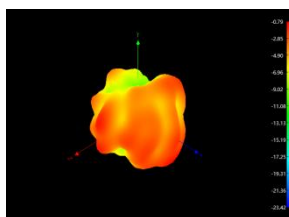
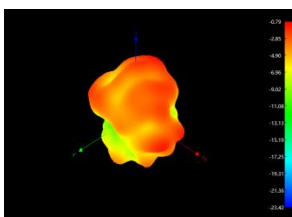


7. Bluetooth Antenna Pattern Picture

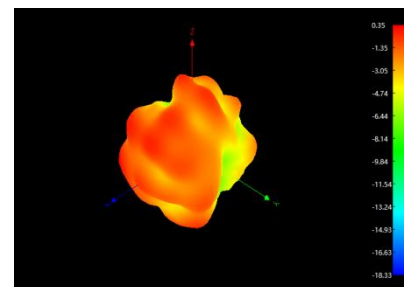
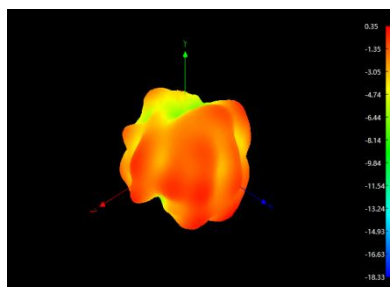
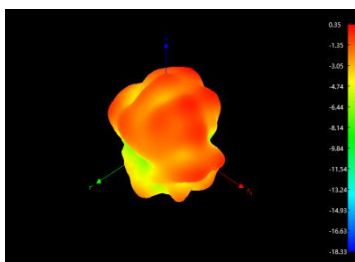
2400MHz



2450MHz

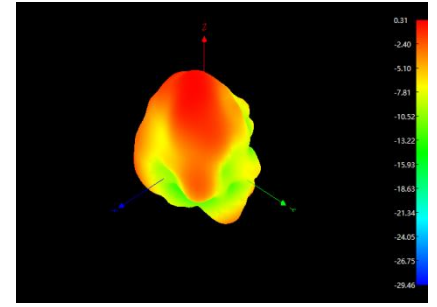
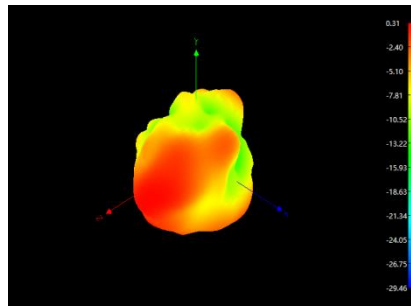
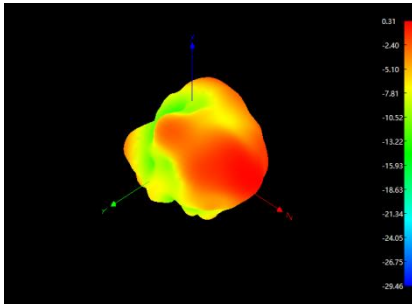


2500MHz

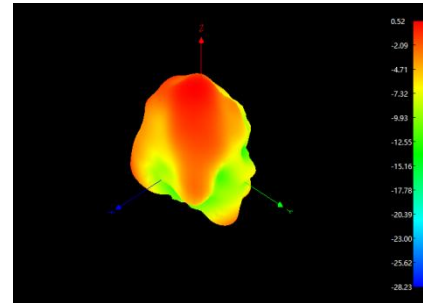
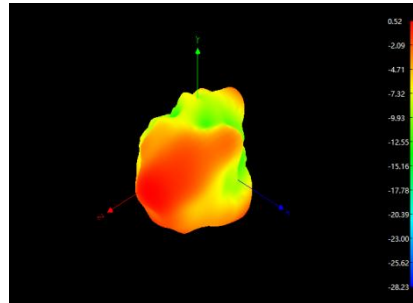
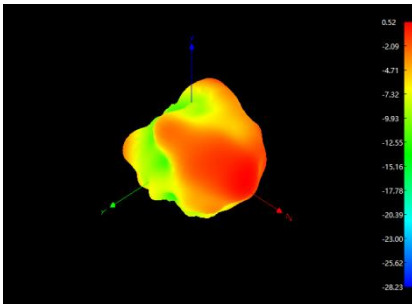


8. WiFi Antenna Pattern Picture

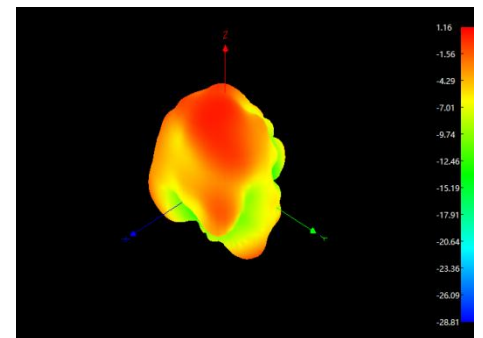
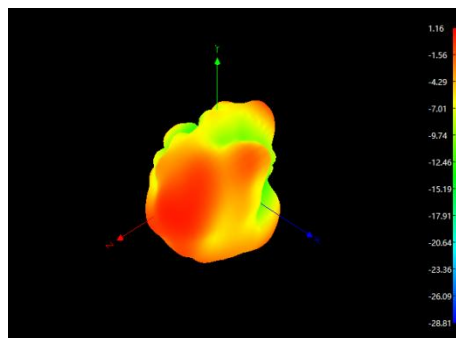
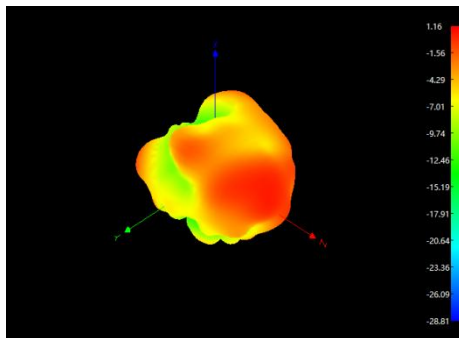
2400MHz



2450MHz



2500MHz



Tester by: Wu xianming

Wu Xianming