



香港鑫恒陽股份有限公司
HongKong Xinghengyang Stock Co., Ltd.
深圳市鑫恒阳科技有限公司
ShenZhen XinHengYang Technology co., Ltd





Xinhengyang antenna test data report

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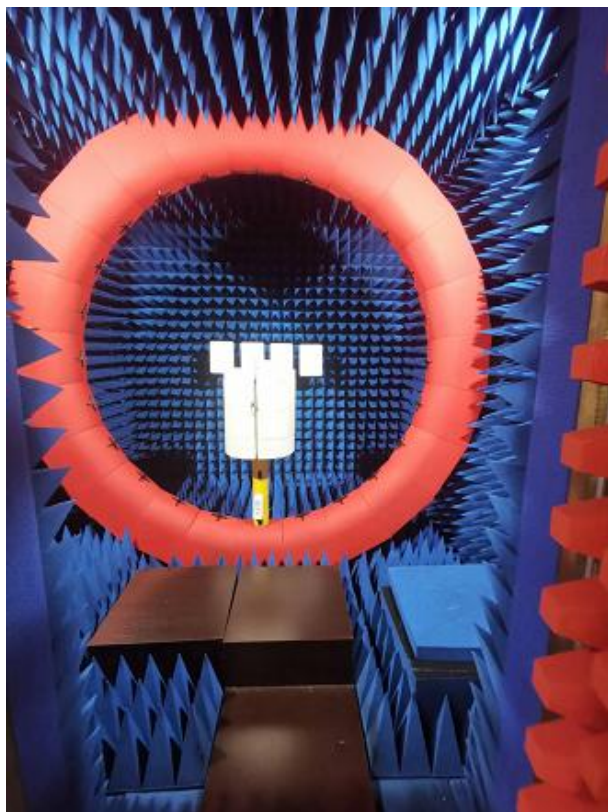
CUSTOMER NAME:	Optergy
PRODUCT NAME:	Thermostat
XIN HENG YANG P/N:	FPC
WRITED:	SHIRONG.TANG
DATE:	2024/08/24

Catalogue

1. Test the dark room profile
2. Machine table pictures
3. Antenna assembly
4. Passive data (Return Loss & VSWR)
5. Passive data (Efficiency & Average gain)
6. Passive data (Field plot)

1. Test the dark room profile

1. Active test: Support 2.3.4.5G multi-mode measurement NB-IoT, eMTC, CAT-1, Bluetooth1-5, WIFI802.11 abgn, measurable TRP TIS
2. Passive test: testable gain and efficiency
3. TWS headset test the head model full set



2. Machine table pictures

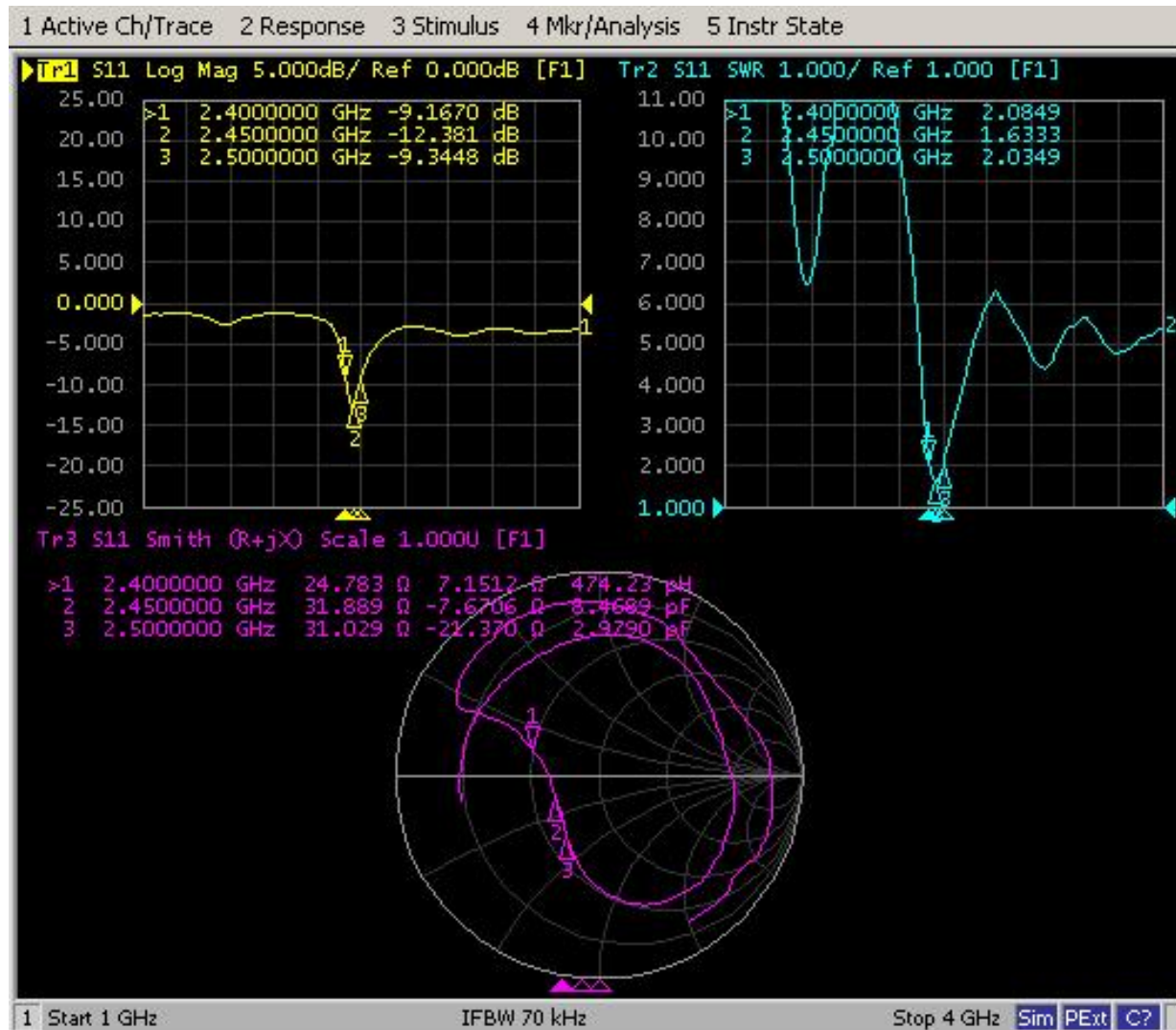


3. Antenna assembly



Place the antenna sticker in the position shown in the picture

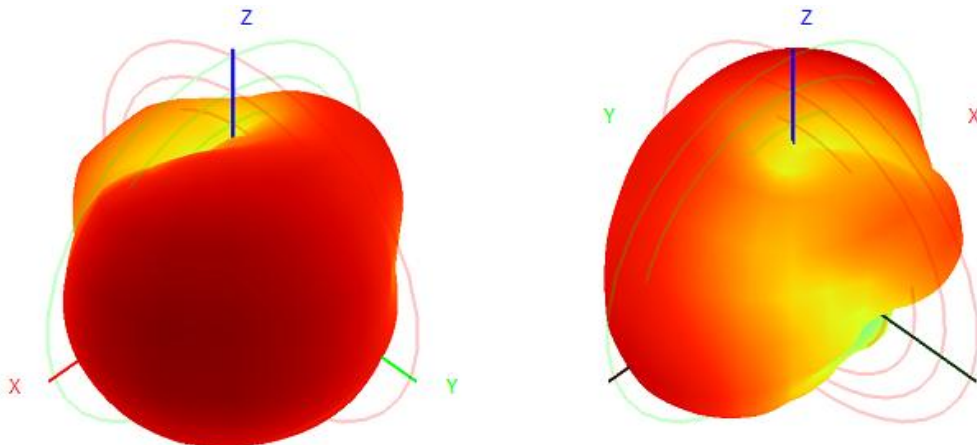
4. Passive Data (Return Loss & VSWR)



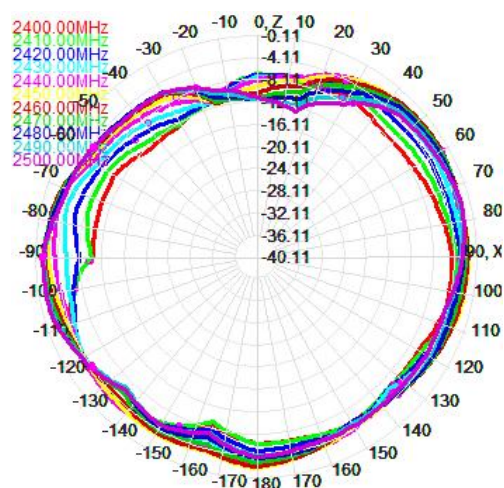
5. Passive data (Efficiency & Average gain)

Frequency (MHz)	Efficiency (%)	Gain (dBi)
2400	20.73	-2.06
2410	21.68	-2.19
2420	23.94	-2.27
2430	26.29	-2.23
2440	30.26	-0.59
2450	32.16	0.19
2460	33.26	0.74
2470	33.45	0.96
2480	34.07	1.10
2490	33.13	0.95
2500	34.67	1.33

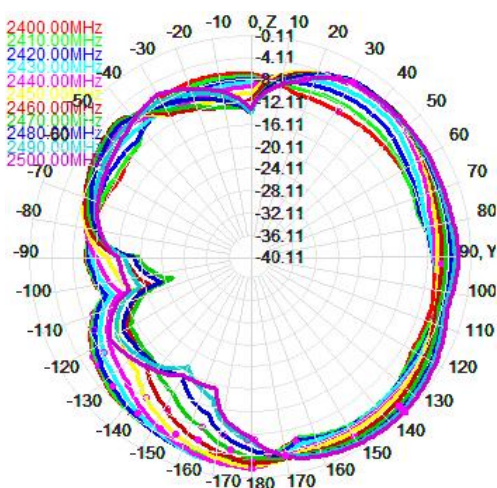
6. Passive data (2400–2500 MHz field pattern)



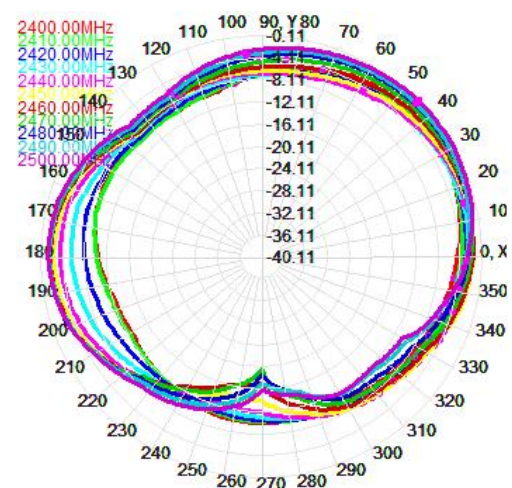
Total(E1-XZ)



Total(E2-YZ)



Total(H-XY)





Antenna Dimensions

