



Antenna specification

Manufacturer: Shen Zhen Lian Zhong Xin Electronic Co., Ltd.
Address: Room 615, Block A, Zhihui Innovation Center, Taoyuanju South,
NO.2 Qianjin Road, BaoAn District, Shenzhen, China

Model: 2.4G-ANT

Frequency Range: 2400-2500MHz

Antenna Gain: 0.47dBi Max

Test project and test system environment

Test item
测试项目

Test parameter
测试参数

Test equipment
测试设备

1.Argument
1、S参数

VSWR; Return Loss; Smith;

Network analyzer: AgilentE5071B
网络分析仪：安捷伦E5071B

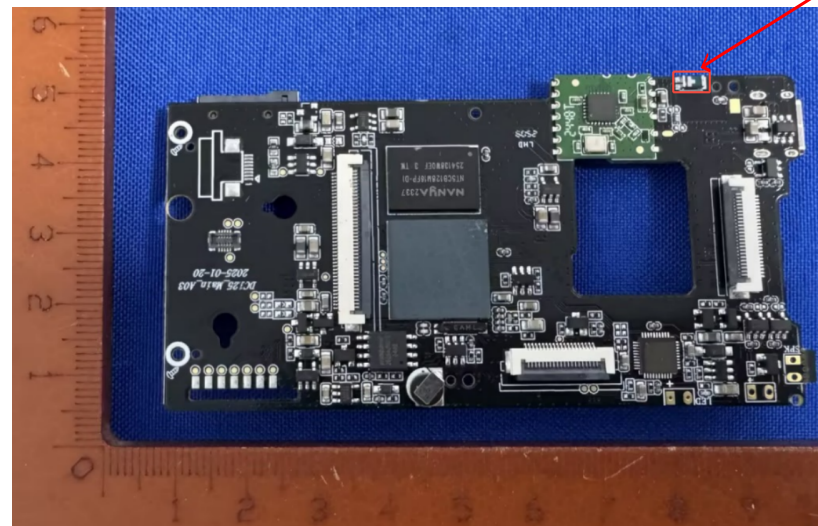
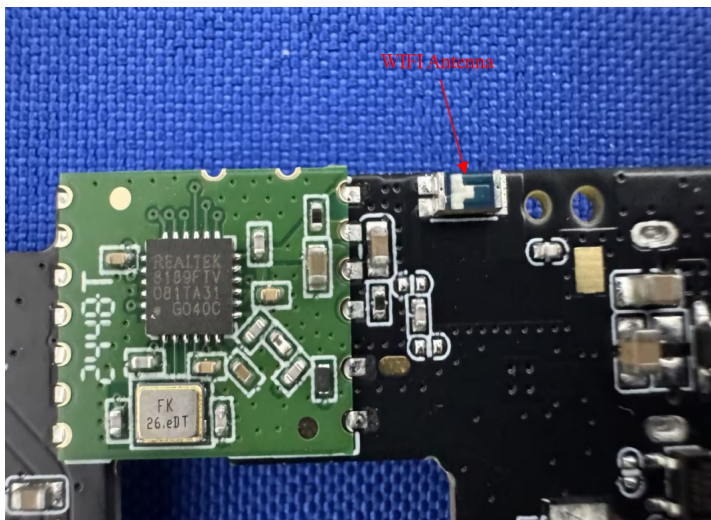
2. Coupling test
2、耦合测试

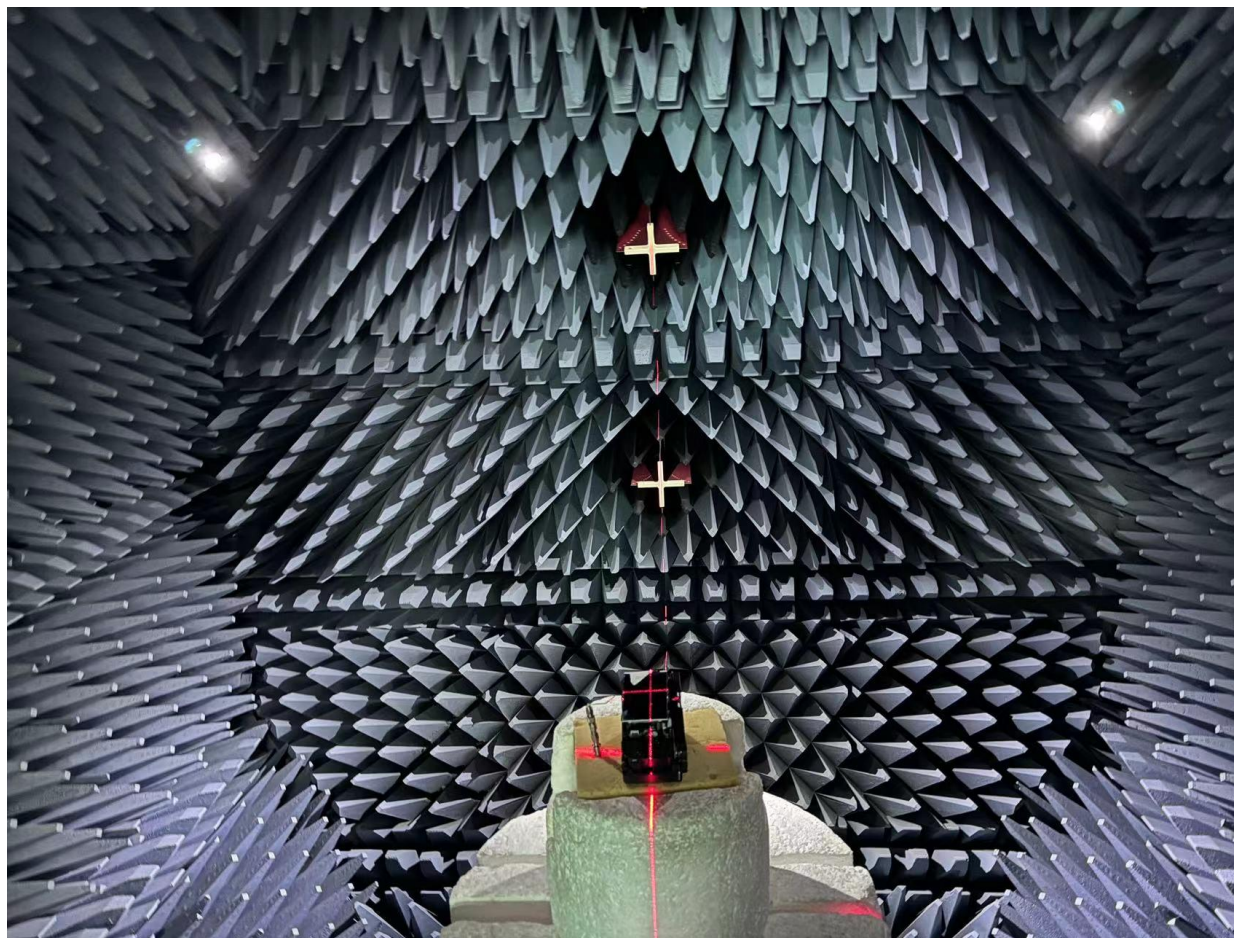
TRP; TIS

综合测试仪：R&S CMW500 (2/3/4/5G+NB-IoT+WIFI/BT) ;Anritsu MT8000A
Comprehensive tester:

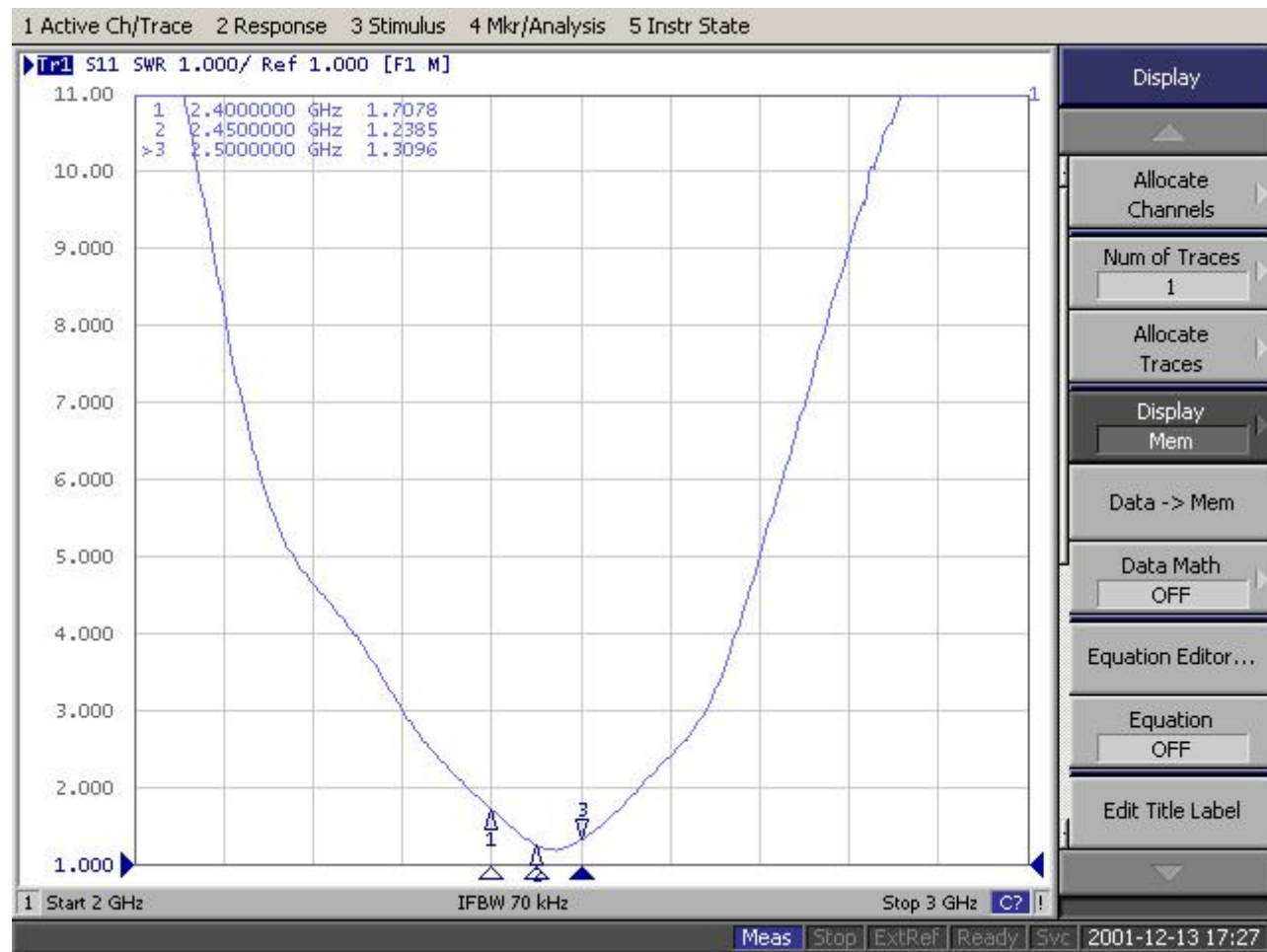
微波暗室：3*3*3 GTS2800
Darkroom:







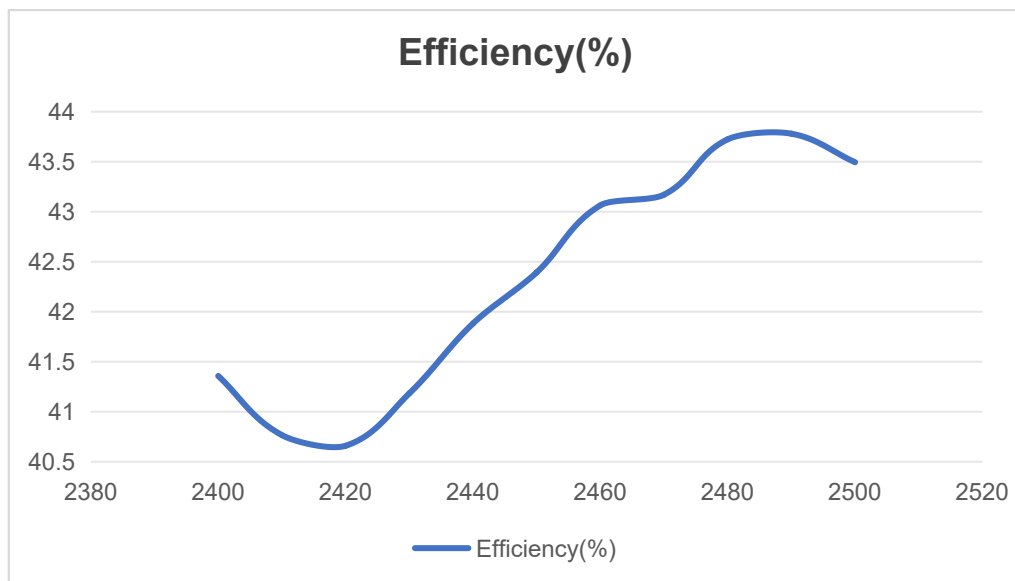
VSWR Data



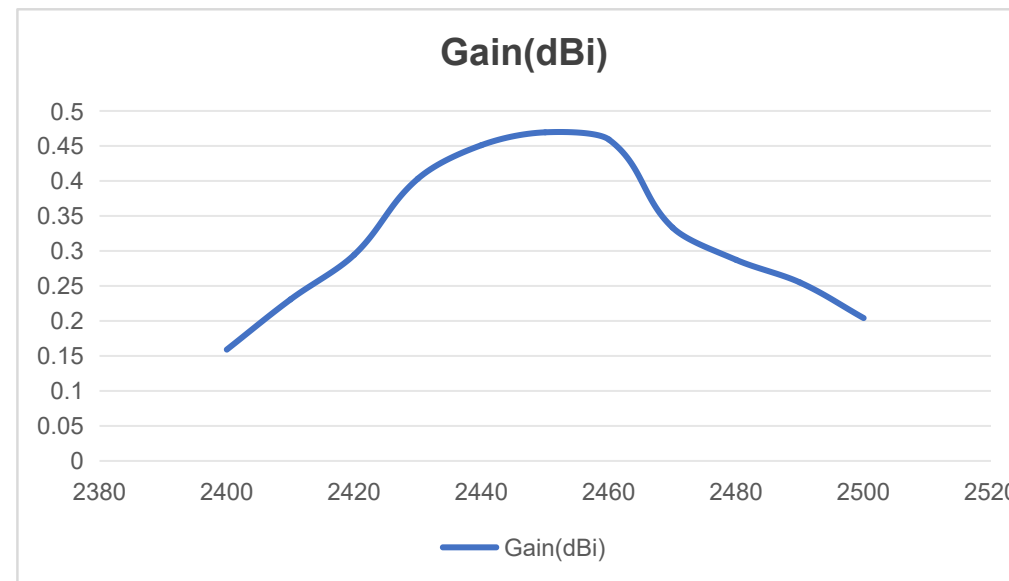
Antenna Gain

Freq (MHz)	Gain (dBi)	Efficiency (dB)	Efficiency (%)
2400	0.159107484	-3.834456217	41.35750951
2410	0.230767547	-3.897018249	40.76600704
2420	0.29450572	-3.908362787	40.659658
2430	0.403214549	-3.852757956	41.18359026
2440	0.451196196	-3.779672303	41.88251664
2450	0.470092606	-3.727003689	42.39353492
2460	0.459157751	-3.658847895	43.06408366
2470	0.333375979	-3.648121658	43.1705751
2480	0.287228462	-3.592782868	43.72418399
2490	0.254998626	-3.587184122	43.78058777
2500	0.204165574	-3.615550909	43.49555824

Efficiency line chart



Antenna Gain line chart



2D/3D lobe direction diagram

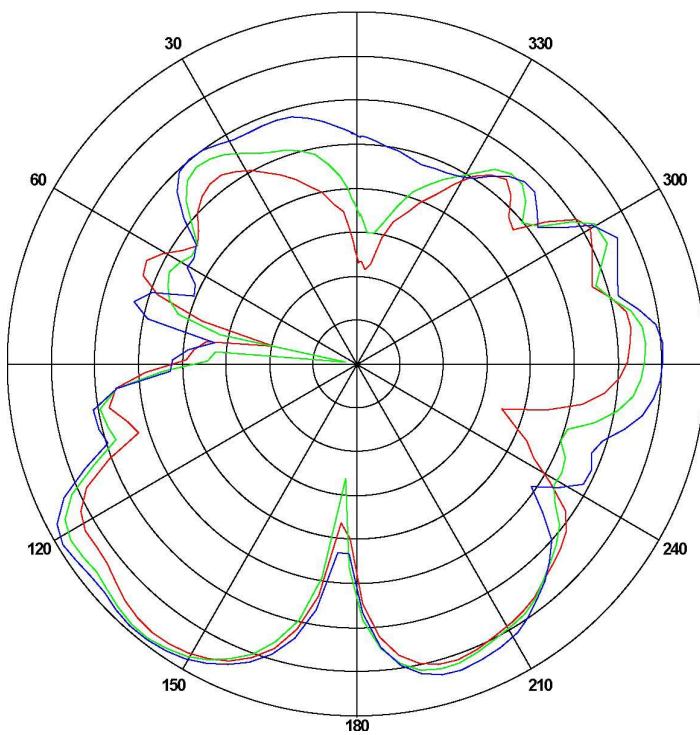
Horizontal: 2400 MHz 2450 MHz 2500 MHz

Power (dBm)

Max: 0.47

Min: -4.53

Scale: 5/div



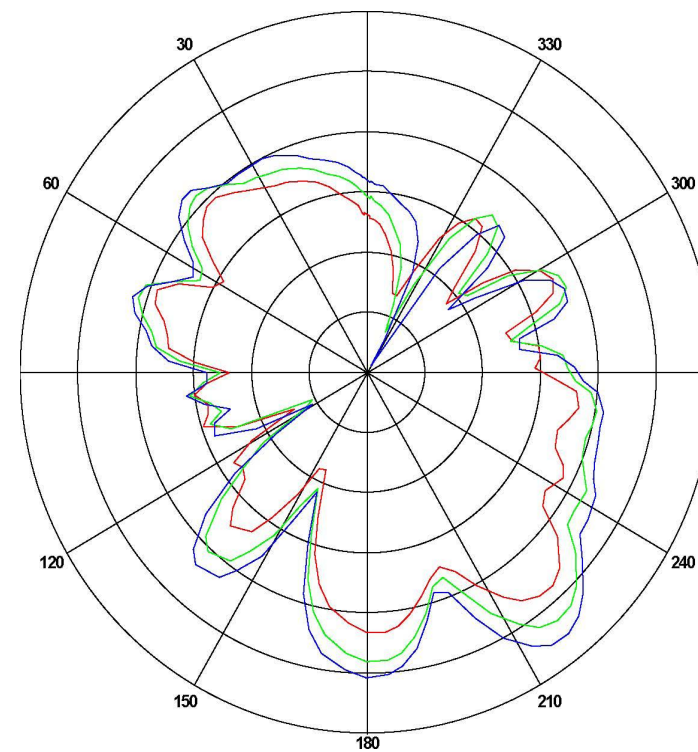
Vertical: 2400 MHz 2450 MHz 2500 MHz

Power (dBm)

Max: -0.91

Min: -5.63

Scale: 5/div





THANKS FOR YOU