

Antenna specification

Manufacturer: Shen Zhen Lian Zhong Xin Electronic Co., Ltd.

Manufacturer: Room615, Block A, Zhihui Innovation Center, Taoyuanju South, NO.2 Qianjin Road, BaoAn District, Shenzhen

Model: 2.4G-ANT

Frequency Range: 2400-2500MHz

Antenna Gain: 0.47dBi Max

Test project and test system environment

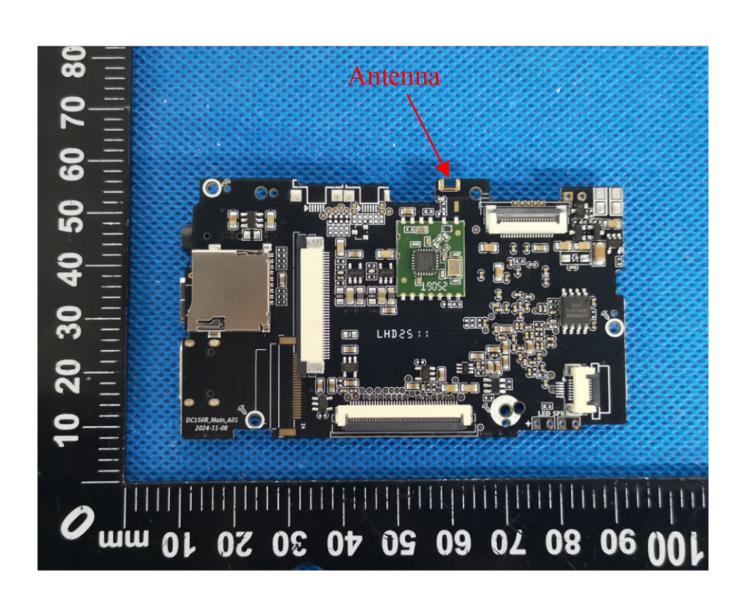
Test item 测试项目	Test parameter 测试参数	Test equipment 测试设备		
1.Argument 1、S参数	VSWR; Return Loss; Smith;	Network analyzer: AgilentE5071B 网络分析仪:安捷伦E5071B		
2. Coupling test 2、耦合测试	TRP; TIS	综合测试仪: R&S CMW500(2/3/4/5G+NB-IoT+WIFI/BT); Anritsu MT8000A Comprehensive tester:		
		微波暗室: 3*3*3 GTS2800 Darkroom:		



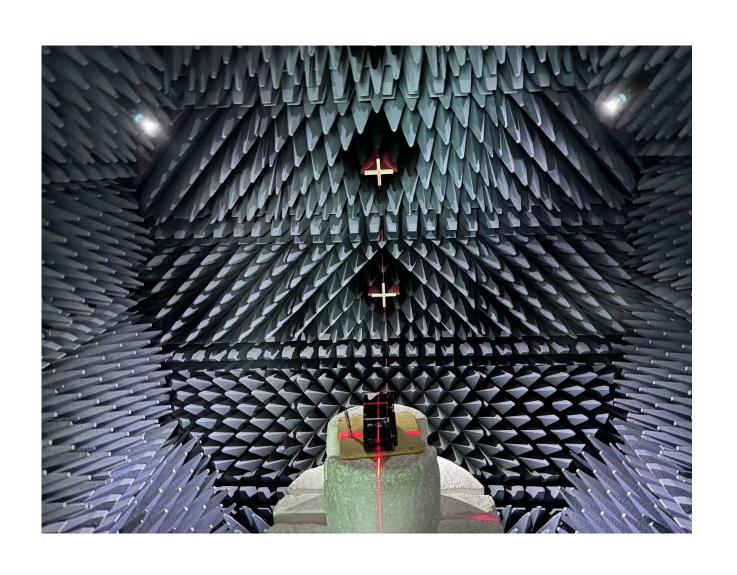


天线整体 Antenna position







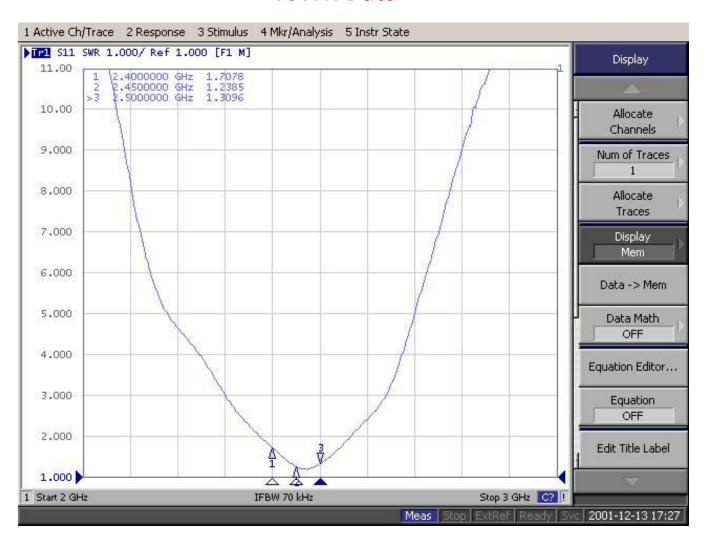




无源调测数据 Passive commissioning data



VSWR Data





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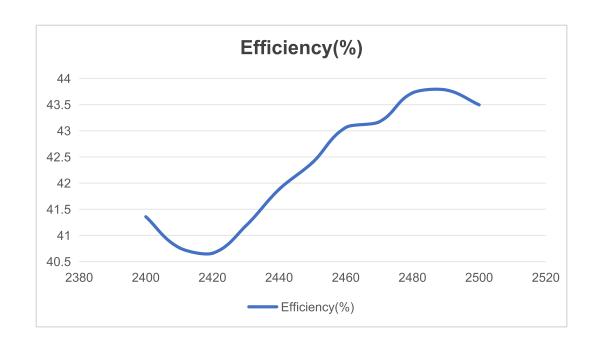
Antenna Gain

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

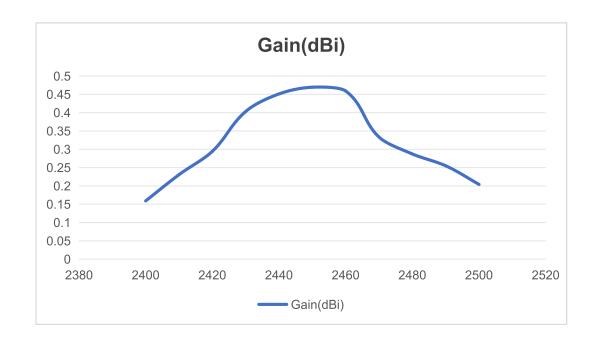
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Efficiency line chart



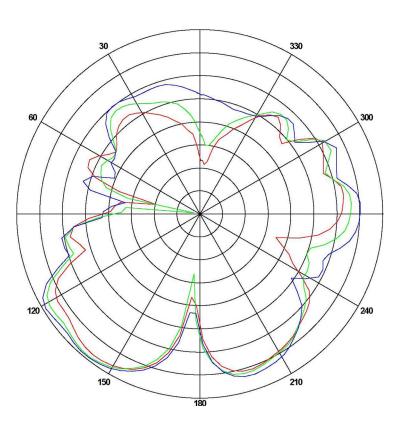
Antenna Gain line chart



2D/3D lobe direction diagram

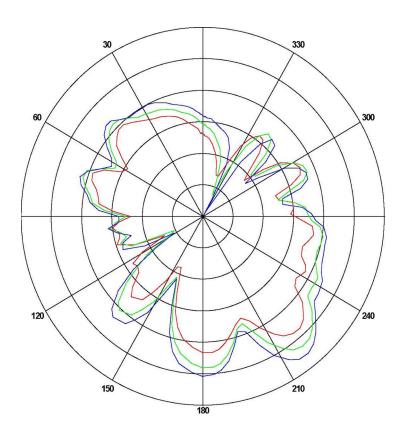
Horizontal: 2400 MHz 2450 MHz 2500 MHz

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