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2.1

3.基本参数和实验设备说明

3.1 基本参数

产品电气性能指标	
Frequency Range	2400-2480MHz
SWR	2400-2480 MHz: < 1.5
天线增益 Gain	2400-2480 MHz: 1 . 4 6 d B i
Radiant efficiency	2400-2480 MHz: > 50%
Impedance	50 ohm
Antenna Type	Rod Antenna
Environment	
Temperature	- 30℃ ~ + 85 ℃
Storage Temperature	- 30℃ ~ + 85 ℃

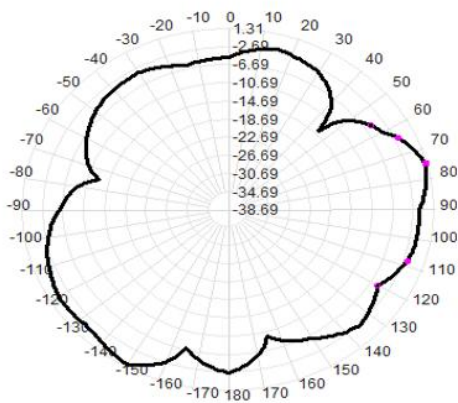
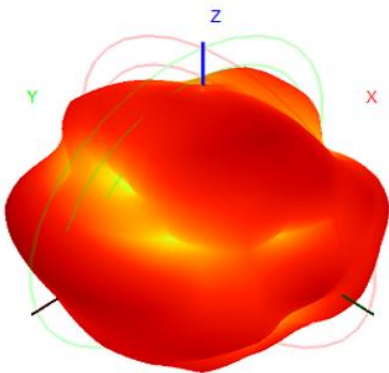
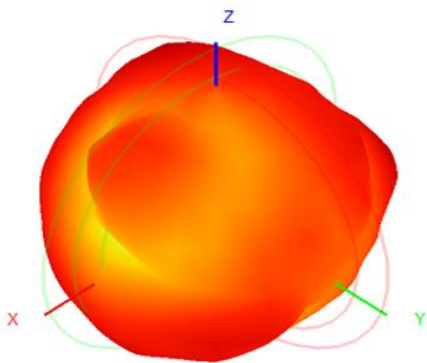
List	Testing project	Equipment
1. S Parameters	1.Return loss 2. VSWR at	Network analyzer: Agilent 8753ES
2. Coupling power test	1. Transmission power 2. Receiving sensitivity	Comprehensive tester: Agilent 8960 E5515C
3. Radiation pattern and gain	1. Radiation pattern 2. Antenna gain	1. Darkroom: 7x4x3 m (3D) 2. Network analyzer : Agilent 8753ES

OTA Date

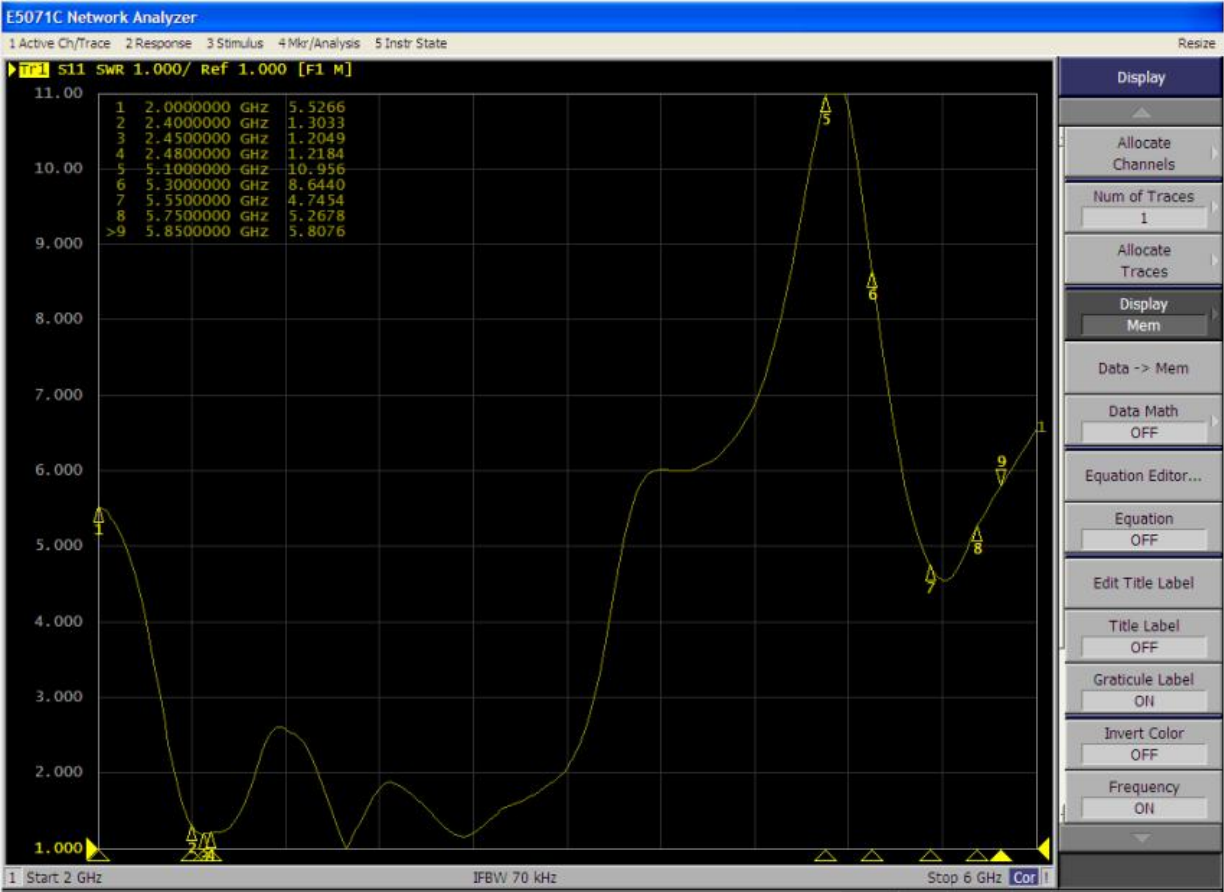
4. 1 Wifi:2.4G efficiency/Gain

Fre.(Mhz)	Efficiency(%)	Gain(dBi)
2400	54.6	1.33
2410	52.3	1.25
2420	53.2	1.46
2430	51.4	1.24
2440	51.6	1.35
2450	55.6	1.25
2460	53.6	1.42
2470	51.6	1.32
2480	51.3	1.33

5. 1 Antenna 2. 4G



6.1 SWR



7.1 Active test data

天线测试报告	802. 11B Antenna Performance Table			802. 11G Antenna Performance Table		
Channel	CH 1	CH 6	CH11	CH 1	CH 6	CH 11
Max Power (dBm)	17. 6	17. 3	18. 4	15. 6	16. 2	16. 3
TRP(dBm)	14. 5	14. 6	15. 8	12. 3	13. 6	13. 5
Sensitivity (dBm)	-83. 3	-84. 4	-83. 5	-72. 6	-72. 6	-73. 1
TIS(dBm)	-80. 4	-81. 3	-80. 6	-69. 3	-69. 6	-70. 7

天线测试报告	802. 11N Antenna Performance Table		
Channel	CH1	CH6	CH11
Max Power (dBm)	15. 6	15. 8	15. 2
TRP(dBm)	12. 6	12. 7	12. 8
Sensitivity (dBm)	-68. 3	-69. 1	-68. 4
TIS(dBm)	-65. 7	-66. 3	-65. 8

8.1 天线图 specifications

