



深圳市雨盛通讯电子有限公司

Shenzhen Yu Sheng Communications Electronics co., LTD

TEL: +86 0755-28640107

FAX: +86 755 28694967

承认书 APPROVAL

版本: A1

客 户
CUSTOMER:

品 名 规 格
DESCRIPTION: AX1820, AX1520, AX1828, AX928
2.4/5.8G-Antenna-30mm

料 号
PART NO.: 6B17

客 户 料 号
CUS PART NO.:

日 期
D A T E: 2026-1-30

呈样签章:

工 程 ENGINEERING DEPARTMENT	品 保 Q C DEPARTMENT	业 务 SALES DEPARTMENT
彭松林	田青	田海容
制造商 Manufacturer	深圳市雨盛通讯电子有限公司 Shenzhen Yu Sheng Communications Electronics co., LTD	
地址 Address	3-4th Floor ; No. 102, Aouxi Road, Aobeibai First Village,Henggang Town, Longgang District Shenzhen	

客户承认签章 :

工 程 ENGINEERING DEPARTMENT	品 保 Q C DEPARTMENT	采 购 PURCHASING DEPARTMENT
李大海	聂远行	杨柳婵

※ 客户确认样品附意栏:



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电器技术参数

电 性 能 指 标		Electrical Specifications	
频率范围	2400-5850MHZ	Frequency Range	2400-5850MHZ
电压驻波比	≤2.0	VSWR	≤2.0
增益	2.61dBi	GAIN	2.61dBi
输入阻抗	50 Ω	Input Impedance	50 Ω
机 械 指 标		Mechanical Specifications	
天线颜色	黑色	Antenna Color	BLACK
接口形式	环剥上锡	Input connector	TIN
工作温度	-40℃ ~+85℃	Working Temperature	-40℃ ~+85℃
工作湿度	20~80%	Working Humidity	20~80%

产品图片（Product picture）：



深圳市龙岗区横岗镇坳背一村坳西路 102 号 3-4 楼

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环境性能测试 (Environmental performance test) :

ITEM	TEST CONDITION	TEST RESULT
The storage environment	In the absence of the specified circumstances test temperature, humidity, air pressure is as follows: 1 temperature is -30 °C ~ +80 °C 2 relative humidity for 45%-85% The 3 pressure is 86kpa-106kpa	Electrical and mechanical properties of normal
Thermocycling ;	5 cycles between 70 °C and 40 °C, then under normal conditions 1-2H, appearance quality inspection.	Dimensions should meet the requirements and shall satisfy In the mechanical, electrical properties
Resistance to damp heat Test	Relative humidity is $95 \pm 3\%$, test temperature: 40 °C. Continue after 2H, Test within the product after removing the 5min determination of the electrical properties, in the normal sample Under 1-2H, the appearance of quality inspection	Dimensions should meet the requirements and shall satisfy In the mechanical, electrical properties
vibration test ;	Displacement amplitude of vibration frequency range: 10-55HZ, 0.35MM, the amplitude of acceleration: 50.0M/S, sweep cycle times: 30 times	Electrical and mechanical properties of normal
fall-down test ;	1M high altitude in accordance with the perpendicular axis free fall 3	Electrical and mechanical properties of normal



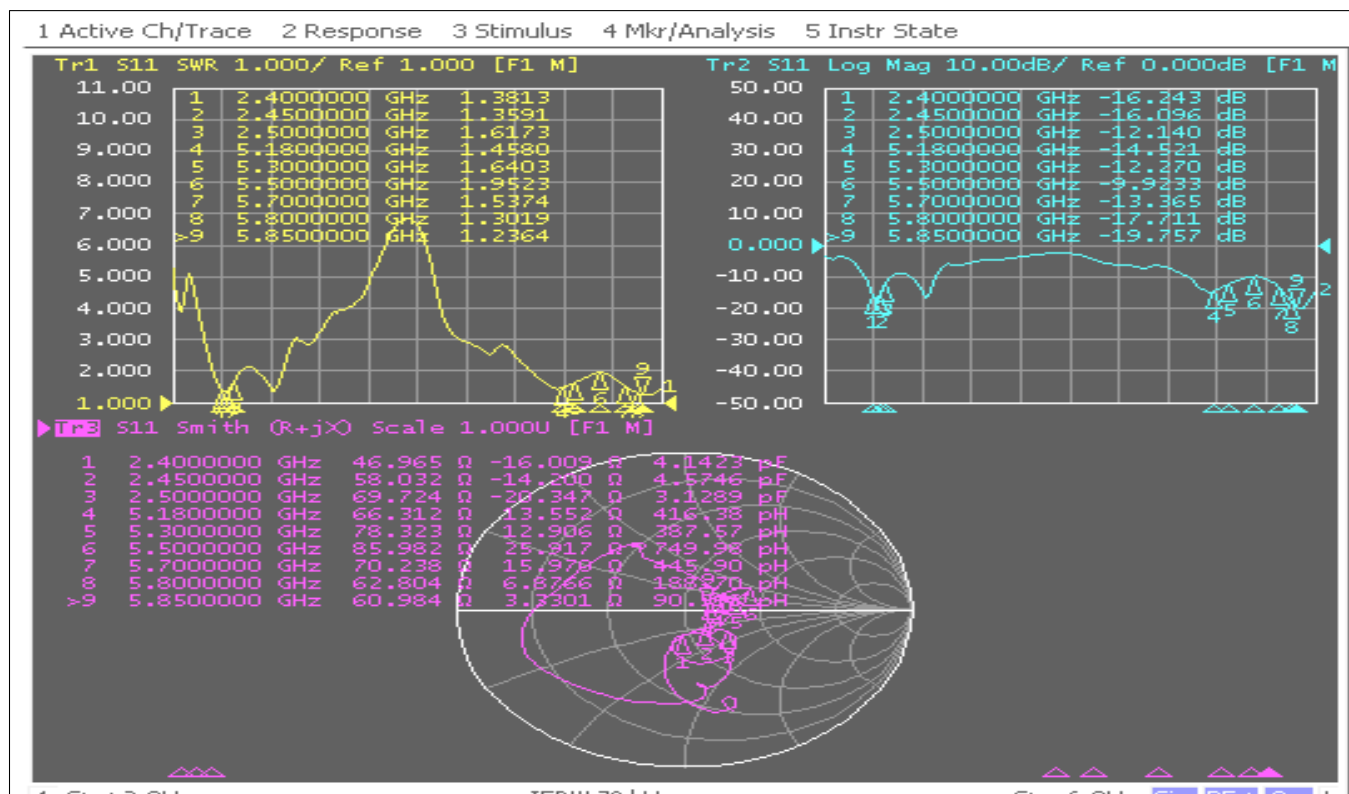
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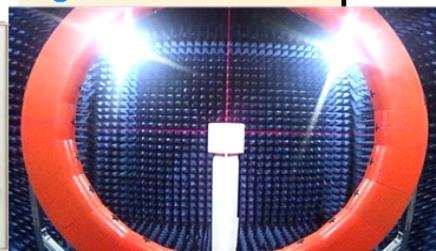
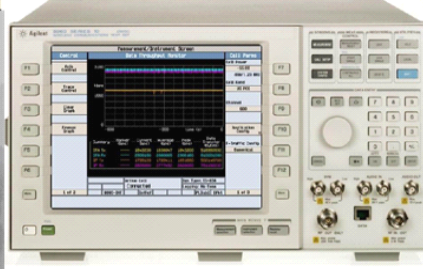
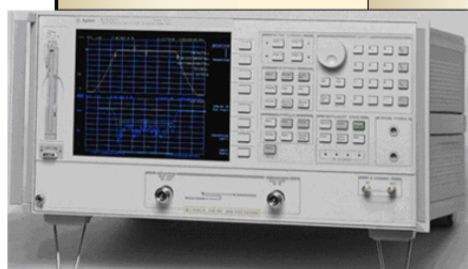
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网分仪器测试图 (Agilent network analyzer test chart):



增益测试 (Gain-Tset):

	测试项目	设备
1. S参数	1. 回波损耗 2. 驻波比	网络分析仪: Agilent E5071B
2. 耦合功率测试	1. 发射功率 2. 接收灵敏度	GSM 测试仪: Agilent 8960 E5515C LTE /WIFI/BT测试仪: R&S CMW500
3. 辐射模式与增益	1. 辐射模式 2. 天线增益	1. 暗室: 8x4x4 m (3D) 2. 网络分析仪: Agilent E5071B



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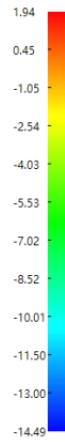
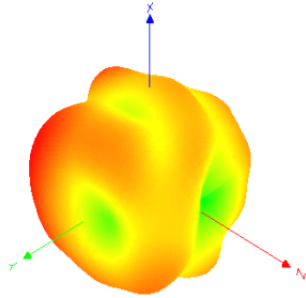
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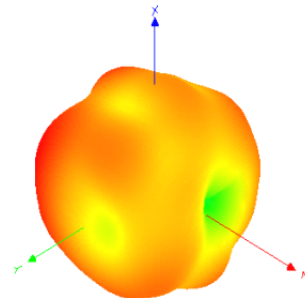
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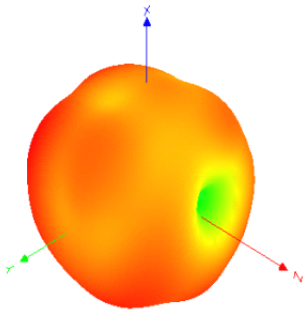
Frequency (MHz) : 2400



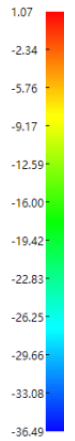
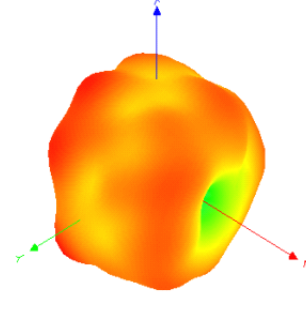
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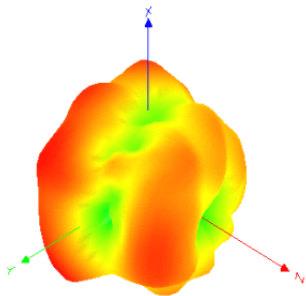
Frequency (MHz) : 2500



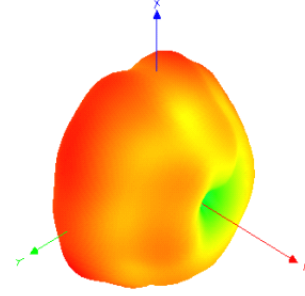
Frequency (MHz) : 5000



Frequency (MHz) : 5200



Frequency (MHz) : 5800



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Frequency(MHz)(频率)	Gain(dBi)(最大增益)	Efficiency(dB)(效率dB)	Efficiency(%)(效率%)
2400	1.94	-3.17	48.19
2410	1.81	-3.11	48.87
2420	1.68	-3.02	49.89
2430	1.5	-2.98	50.35
2440	1.37	-2.9	51.29
2450	1.25	-2.89	51.4
2460	1	-2.97	50.47
2470	0.91	-2.85	51.88
2480	0.83	-2.67	54.08
2490	0.51	-2.72	53.46
2500	0.24	-2.65	54.33
5000	1.17	-2.91	51.17
5050	0.93	-3.05	49.55
5100	0.94	-3.31	46.67
5150	1.52	-3.41	45.6
5200	1.93	-3.57	43.95
5250	2.56	-3.53	44.36
5300	2.46	-3.61	43.55
5350	2.41	-3.36	46.13
5400	2.3	-3.12	48.75
5450	2.57	-2.77	52.84
5500	2.61	-2.62	54.7
5550	2.1	-2.71	53.58
5600	1.53	-2.72	53.46
5650	1.18	-2.66	54.2
5700	1.27	-2.88	51.52
5750	1.33	-2.92	51.05
5800	1.06	-3.26	47.21
5850	1.77	-3.05	49.55
5900	1.74	-3.36	46.13
5950	1.39	-3.63	43.35
6000	1.52	-3.71	42.56