



深圳市飞敏科技有限公司

ShenZhen City FeiMin Technology CO.,LTD.

产品承认书

SPECIFICATION FOR APPROVED

客户

CUSTOMER: SHENZHEN HAISAITO TECHNOLOGY CO LTD

产品名称

PRODUCTS: 2.4G antenna

客户料号

PART NO:

产品型号

Spec.: FM-S788-F2MAX-B

日期

Data: 2021.04.02

供应商 SUPPLIER		
拟制 PREPARED BY	审核 CHECKED BY	批准 APPROVED BY
Fang yuwei	Xia xingxi	Ma dongdong

客户 CUSTOMER		
承认 ACCEPTED BY	审核 CHECKED BY	批准 APPROVED BY

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REMARK: Please send us one(or copy) of this approval with stamp after accepting, other copies filed by the customer.

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2. 电气性能 Electrical Characteristics

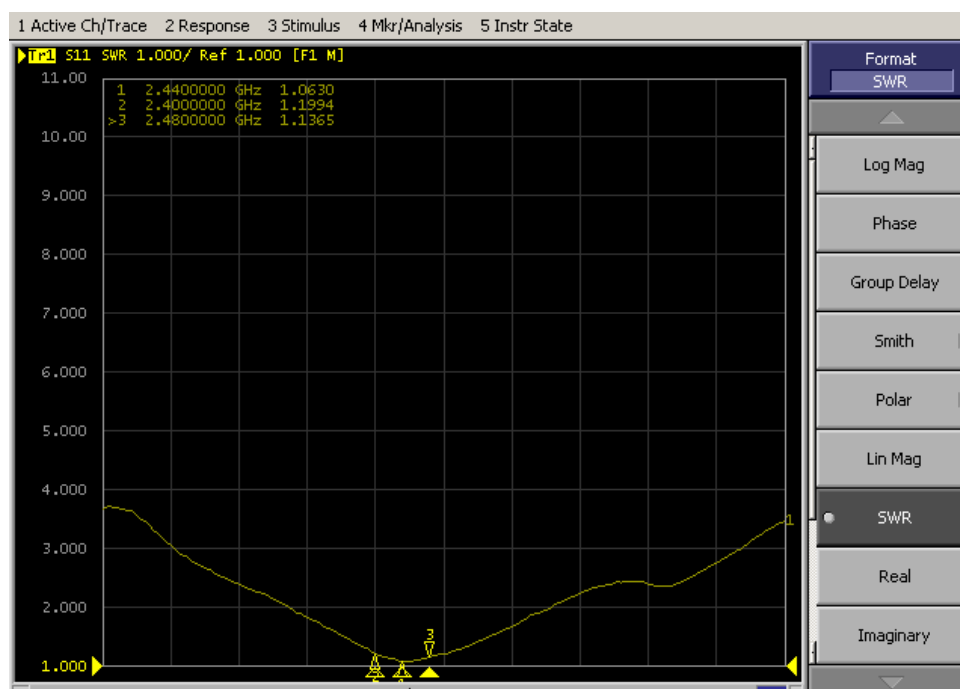
2.1.测试环境条件 Test Environment Conditions

温度 Temperature	Ordinary Temperature (5 to 35℃)
湿度 Humidity	Ordinary Humidity (25 to 85% RH)

2.2.测示方法 Measurement method

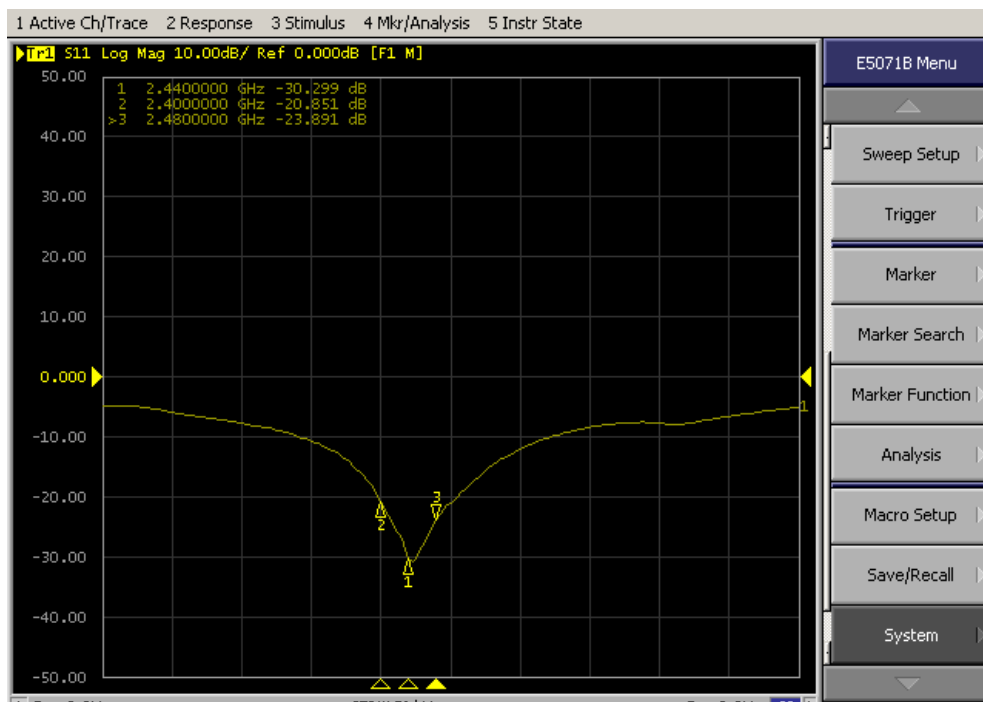


2.2.1. 电压驻波比 VSWR

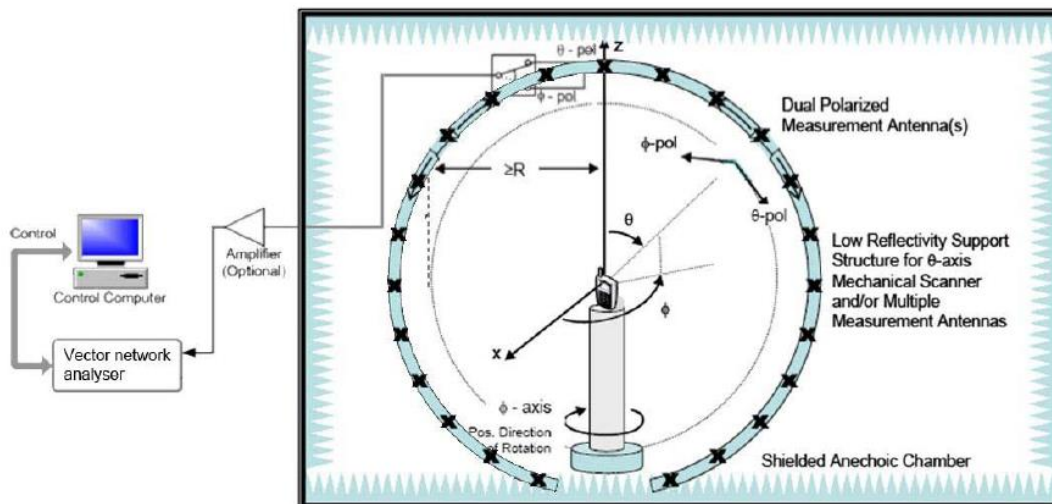


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2.2.2. 回波损耗 Log Mag



2.3. 测试系统 Test system



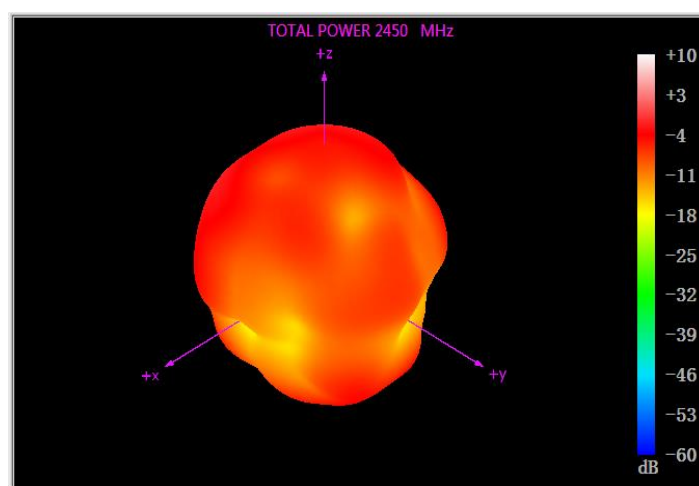
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2.4. 无源数据 No-source test data

2.4.1. 效率及增益 Efficiency and Gain

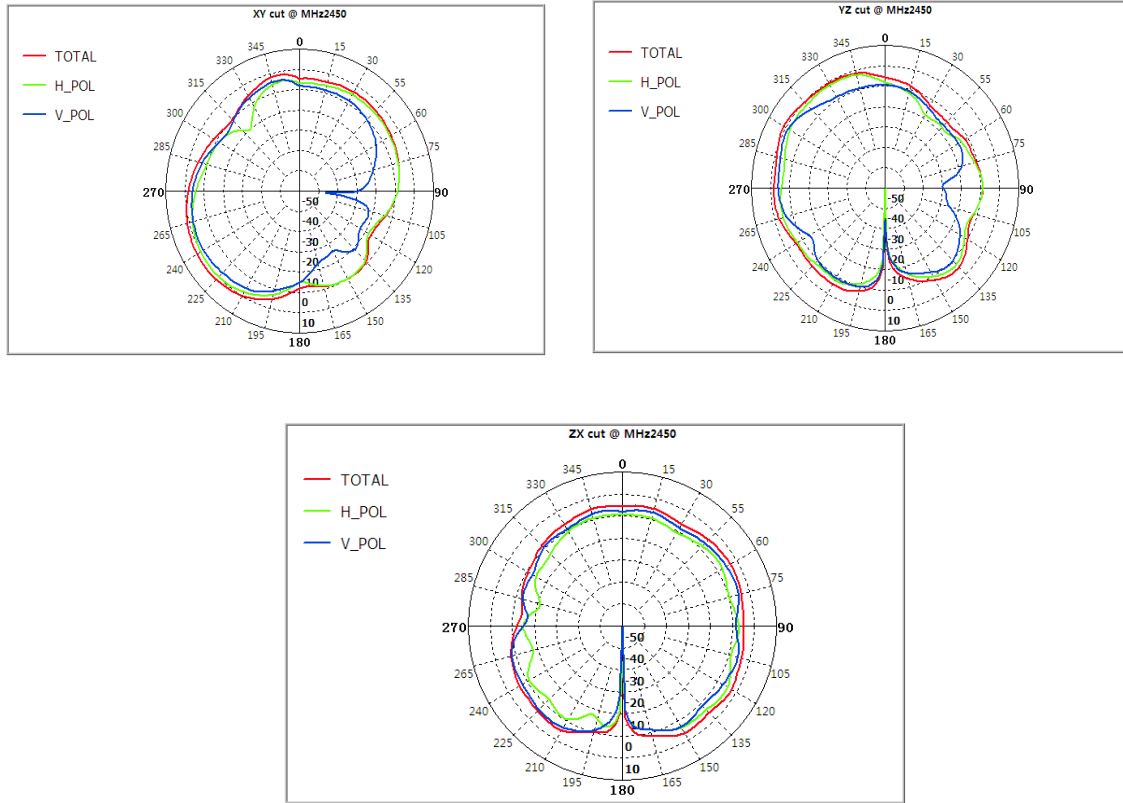
Frequency (MHz)	Gain (dBi)	Efficiency (%)
2400 MHz	2.39	55.82
2410 MHz	2.41	53.15
2420 MHz	2.73	58.17
2430 MHz	2.77	59.51
2440 MHz	2.53	61.38
2450 MHz	2.06	60.98
2460 MHz	2.33	58.39
2470 MHz	2.3	36.17
2480 MHz	1.92	52.01
2490 MHz	3.26	53.32
2500 MHz	3.39	53.01

2.4.1. 3D Radiation Drawing



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2.4.2. directional drawing of horizontal plane



3. Antenna mounting position

- 1、Be careful not to be too close to the metal part during installation to avoid affecting the antenna performance。
- 2、This antenna is only applicable to this model. The position of the antenna cannot be changed at will. If it is used on other machines, the effect will become worse, which has nothing to do with our company.

4. 可靠性测试 Reliability test

project	Test methods and conditions	Specifications and requirements
Storage environment	Test temperature、 : 1、 temperature-30℃~+80℃ 2、 humidity 45%-85% 3、 pressure 86Kpa-106Kpa	No obvious change in appearance All electrical parameters are consistent with those before the test
Salt spray test	c o n c e n t r a t i o n 50 ± 10g/l (约 5%);PH6.5-7.2;6H.	
Vibration test	f r e q u e n c y 10-2000-10HZ	
Drop Test	1M drop	
Pulling force test	pull: ≥12N	
Constant temperature	Temperature and humidity : 40℃ ± 2℃, 90-95%RH	
High and low temperature test	5 cycles	