

Sample Approval Form

客户名称 Customer Name: Shi Yizhong

项目名称 Project Name: SP01

规格描述 Product Spec: FPC Antenna: Length 32.5mm, Width 11.5mm
Black wire 1.13, L=120mm - Generation IPEX.

料 号 Customer P/N: _____

版 本 REV: V1.0

日 期 Date: 2026.06.02

制 作 drawing	审 核 check	
李杰	吴锡春	

客户承认 Customer Approve

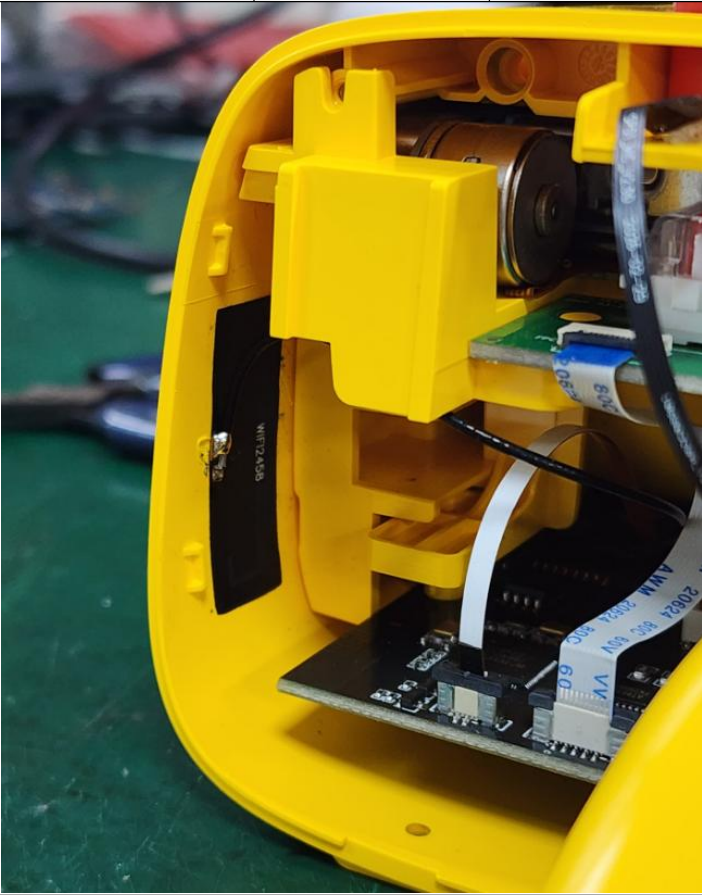
审 核 check	批 准 approved	承 认 approval

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3. 电性能指标 Electrical Performance Index

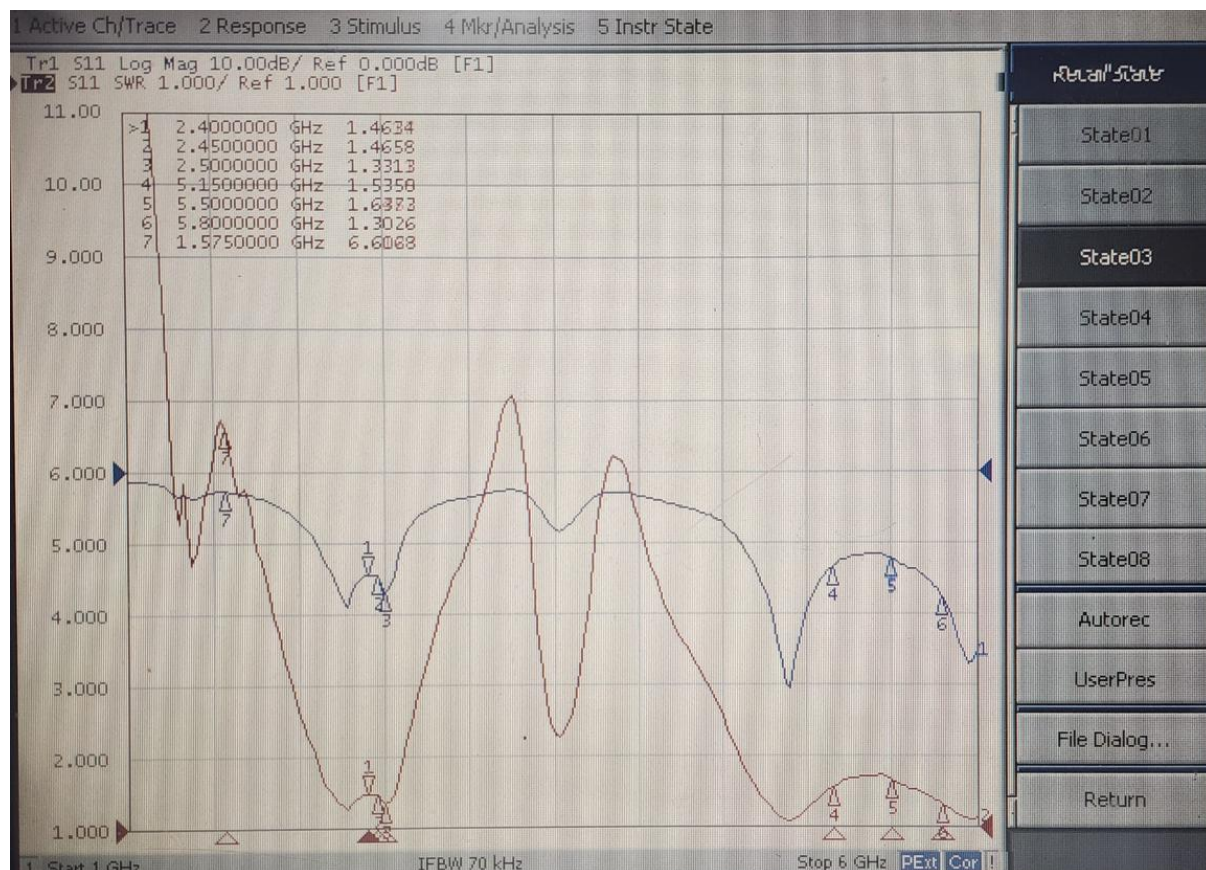
Electrical performance indicators		Electrical Specifications	
Frequency range: 2400-2500 5150-5800MHz		2400-2500 5150-5800MHz	
Voltage Standing Wave Ratio	≤2.0	VSWR	≤2.0
Gain	≤6.44DBI	GAIN	≤6.44DBI
Radiation mode	全向	Radiation	OMNI
polarization mode	线极化	Polarizatin	LINEAR
input impedance	50 Ω	Input Impedance	50 Ω
Mechanical performance indicators		Mechanical Specifications	
interface form	Coaxial line+terminal	Input connector	Coaxial line + terminal
Antenna material	FPC	Antenna materia	FPC
Operating Temperature	-30℃~+80℃	Working Temperature	-30℃~+80℃
Operating Humidity	40~85%	Working Humidity	40~85%
physical object image			

4、测试报告 Test report

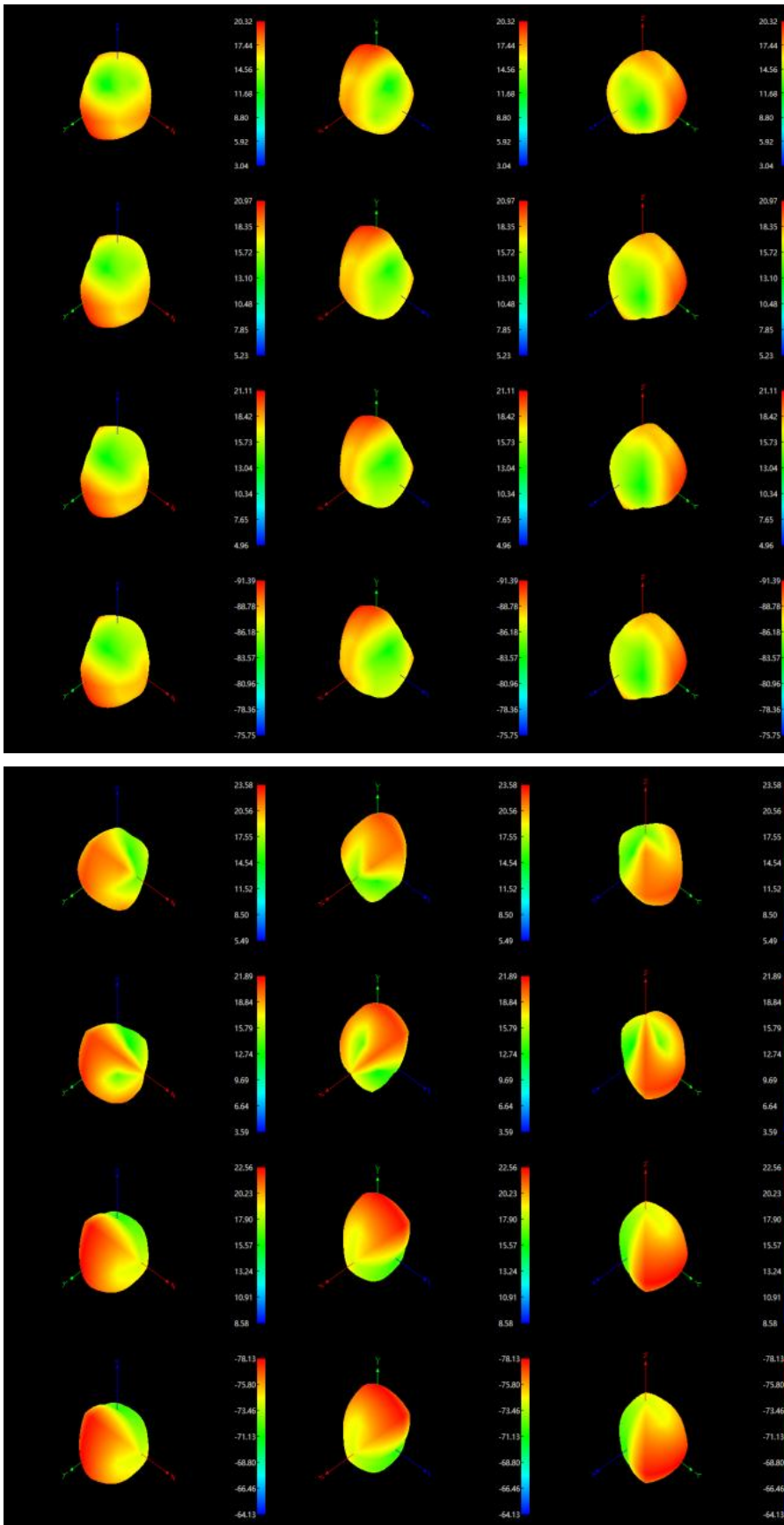
1.1 10TA active data

Item	Measurement	Band	Channel	Frequency	Total
1	TRP	WIFI_B (11M)	1	2412	16.12
2	TRP	WIFI_B (11M)	6	2437	16.58
3	TRP	WIFI_B (11M)	11	2462	16.51
4	TIS(EIRP)	WIFI_B (11M)	11	2462	-86.83
5	TRP	WIFI_A (54M)	36	5180	18.36
6	TRP	WIFI_A (54M)	64	5320	17.72
7	TRP	WIFI_A (54M)	165	5825	18.43
8	TIS(EIRP)	WIFI_A (54M)	165	5825	-73.99

1.2 Standing Wave Diagram



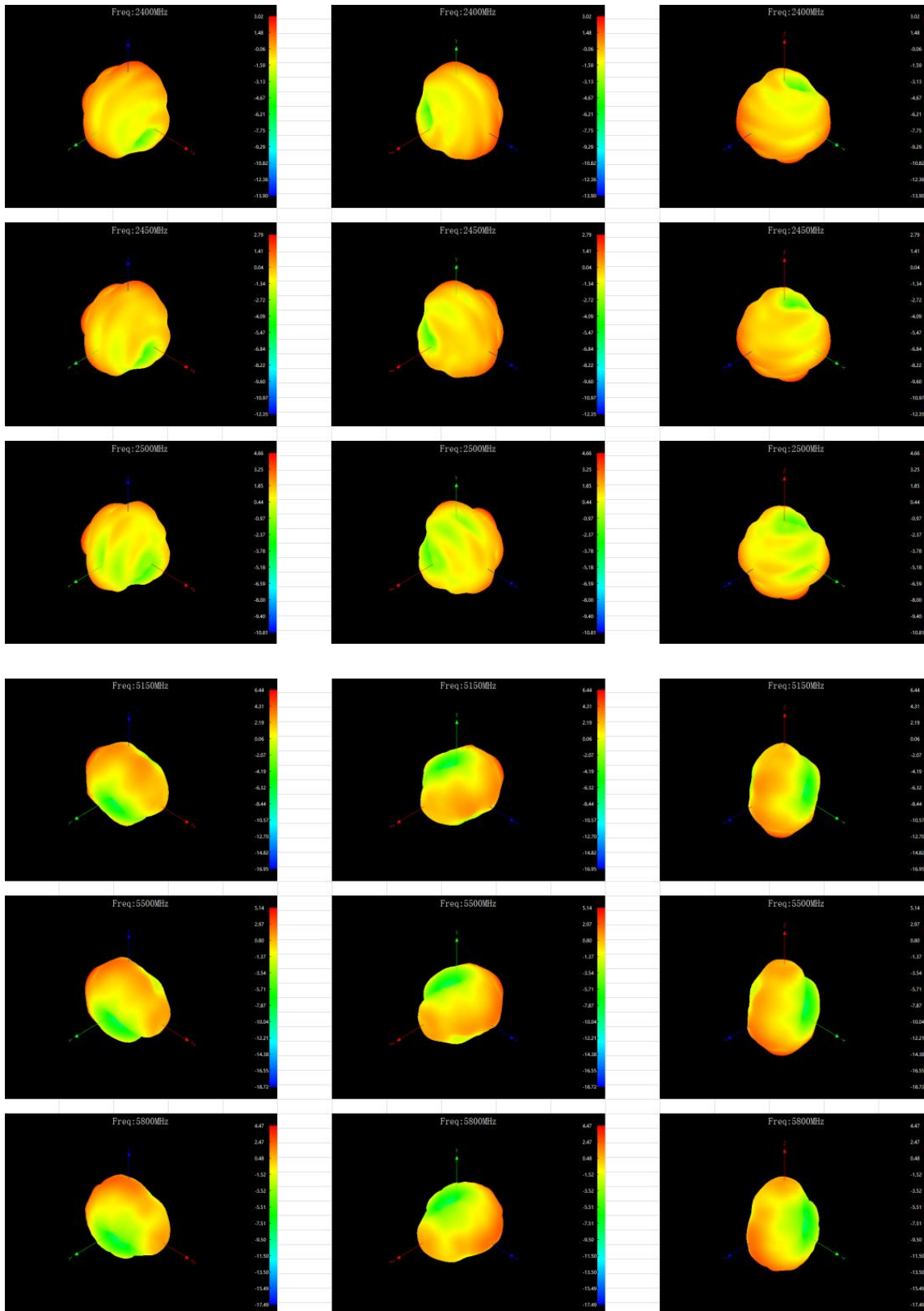
1.3 Active pattern



1.4 Passive data

Frequency/Mhz	Efficiency / %	MaxGain/dBi
2400	72.95	3.02
2410	76.74	3.65
2420	78.52	3.78
2430	77.8	3.08
2440	82.22	3.94
2450	70.79	2.79
2460	74.64	3.8
2470	69.5	3.84
2480	77.27	4.46
2490	75.51	4.81
2500	73.11	4.66
5150	84.53	6.44
5200	80.72	6.3
5250	73.28	5
5300	75.16	5.41
5350	81.1	5.77
5400	75.34	5.61
5450	66.37	4.81
5500	70.96	5.14
5550	81.47	6.33
5600	65.01	4.54
5650	74.3	4.89
5700	66.37	4.41
5750	72.95	5.06
5800	69.02	4.47

1.5 Passive Radiation Pattern



5. 测试设备及原理 Testing Equipment and Principle

1. Testing equipment:

网络分析仪 Network Analyzers :

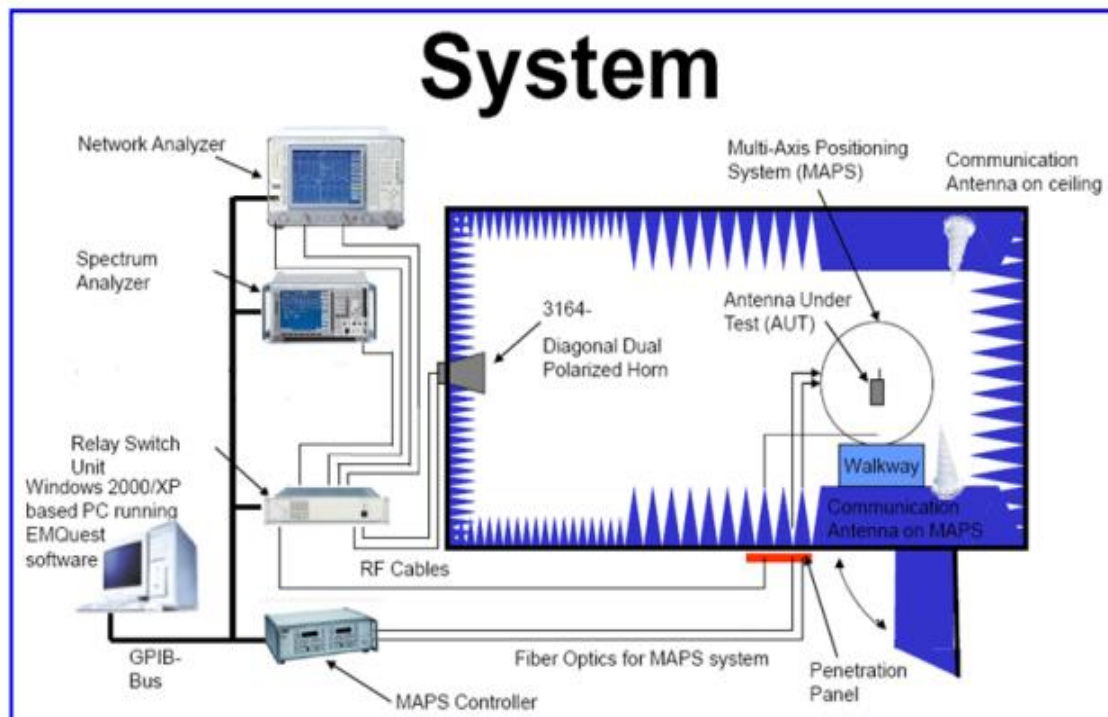
Agilent 8753D 5071B

综合测试仪 Communications Test Set:

Agilent E5515C

3D 暗室测试系统 3D Chamber Test System:

2. Testing principle:



6. 工程图纸 Product Drawing

