



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: 深圳康荣电子有限公司

产品名称

PRODUCTS: 三合一天线

客户料号

PART NO:

产品型号

Spec.: FM-S1406-J33-013-M20 (350mm)

日期

Data: 2026. 7. 17

供应商		
SUPPLIER		
拟制 PREPARED BY	审核 CHECKED BY	批准 APPROVED BY

客户		
CUSTOMER		
承认 ACCEPTED BY	审核 CHECKED BY	批准 APPROVED BY

备注：承认盖章后请回复一份承认书（或复印件）给我司，其余由贵公司存档

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

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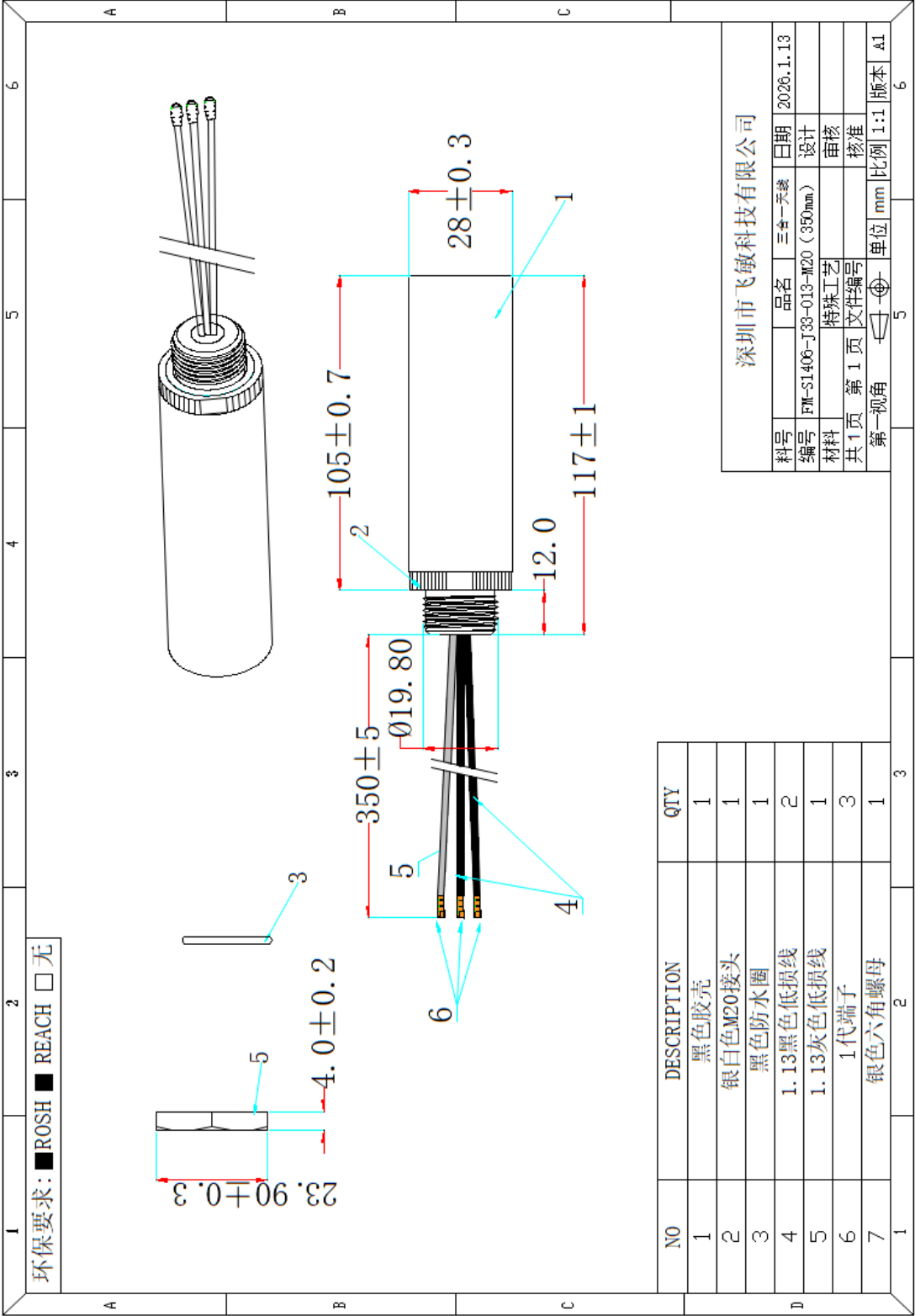
ANTENNA SPECIFICATION

Revision history

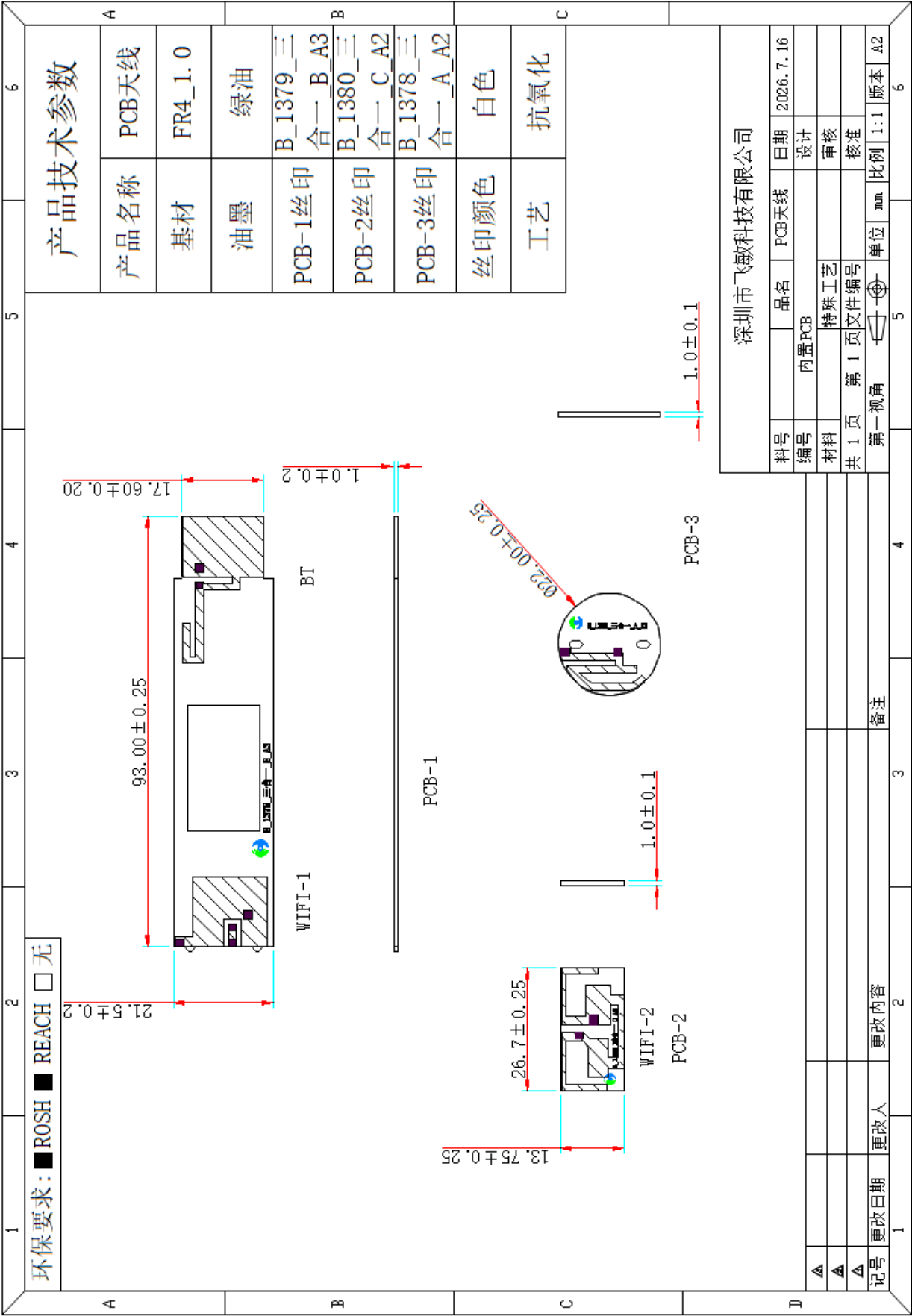
Version	Date	Status
A1	2026-1-12	First
A2	2026-7-17	Update

1. 项目信息 Project Information

1.1.外观尺寸 Appearance and Dimensions



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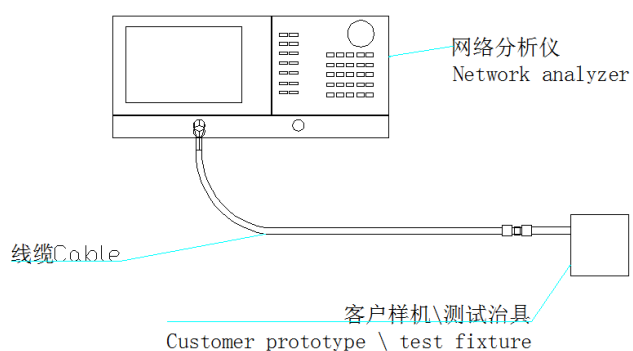


2. 电气性能 Electrical Characteristics

2.1.测试环境条件 Test Environment Conditions

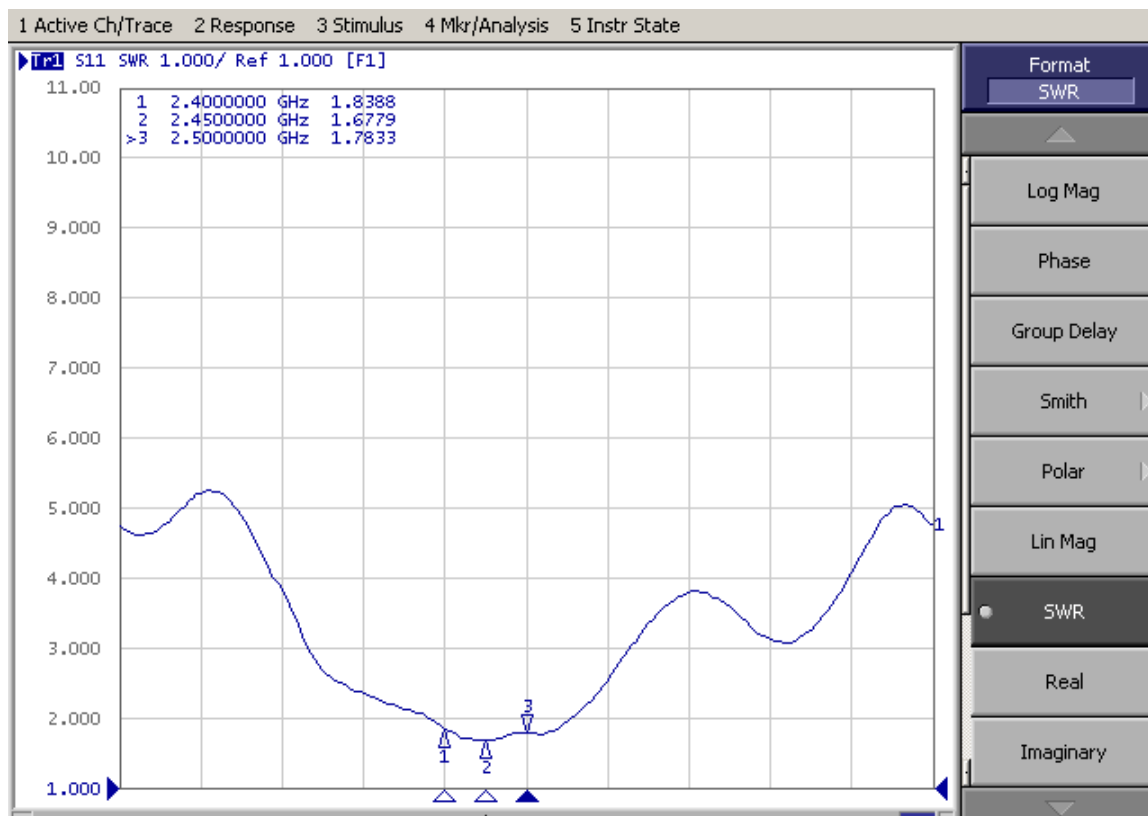
温度 Temperature	Ordinary Temperature (5 to 35℃)
湿度 Humidity	Ordinary Humidity (25 to 85% RH)

2.2.测示方法 Measurement method

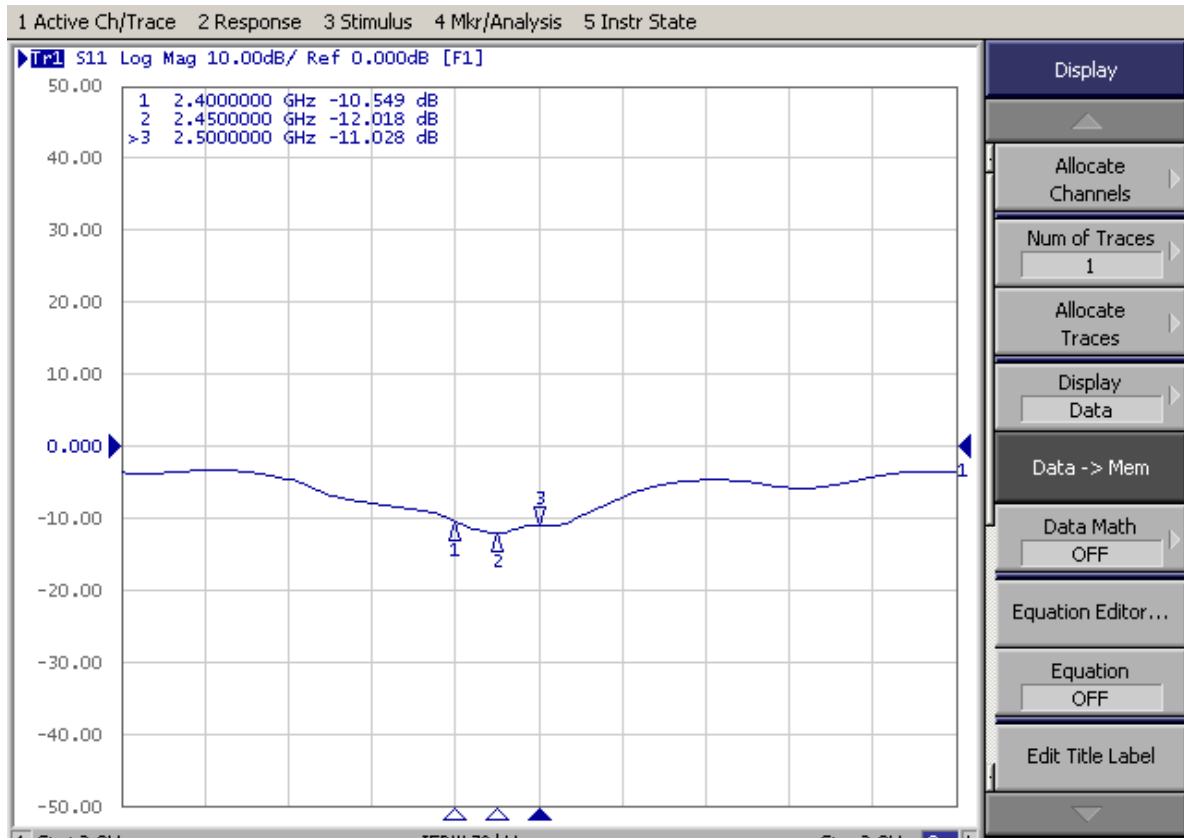


2.3.1. 天线电压驻波比 Antenna VSWR、天线回波损耗 Antenna Return loss

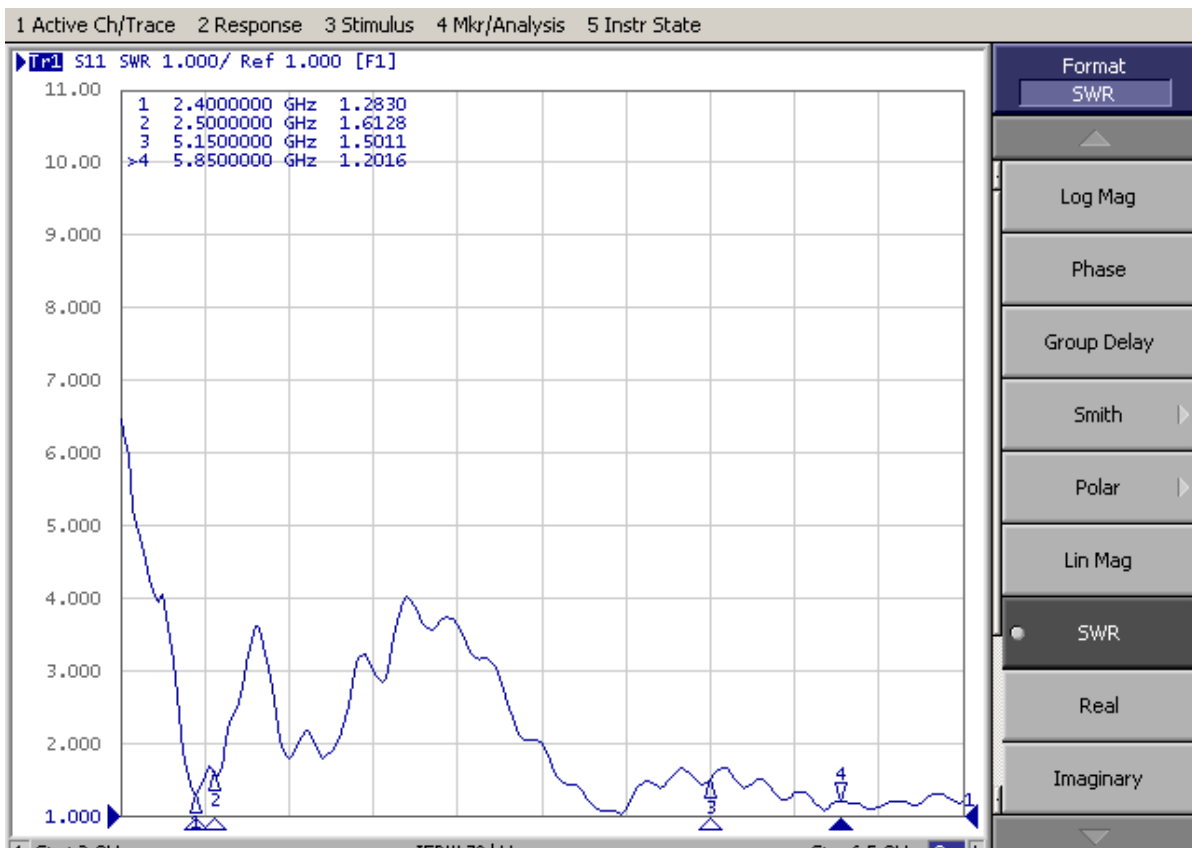
2. 4G



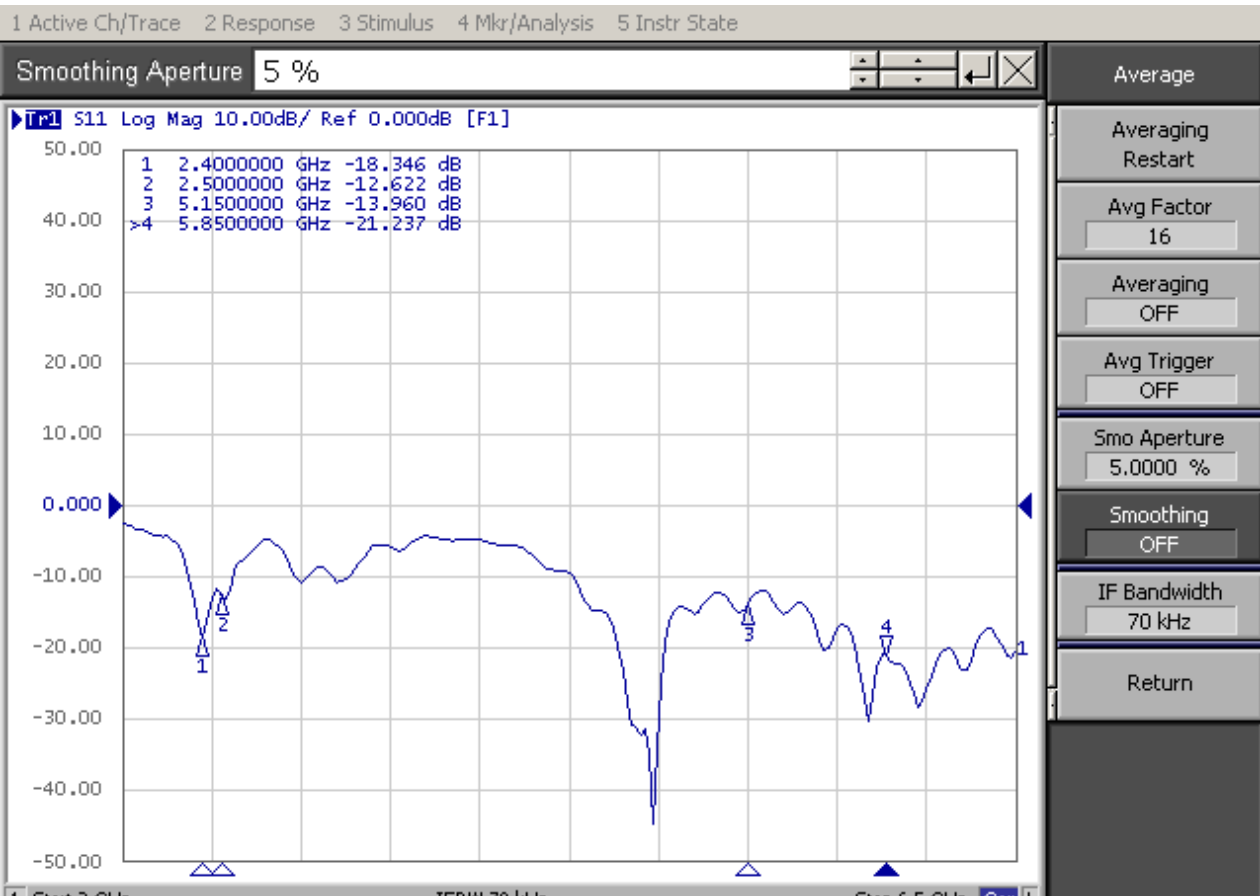
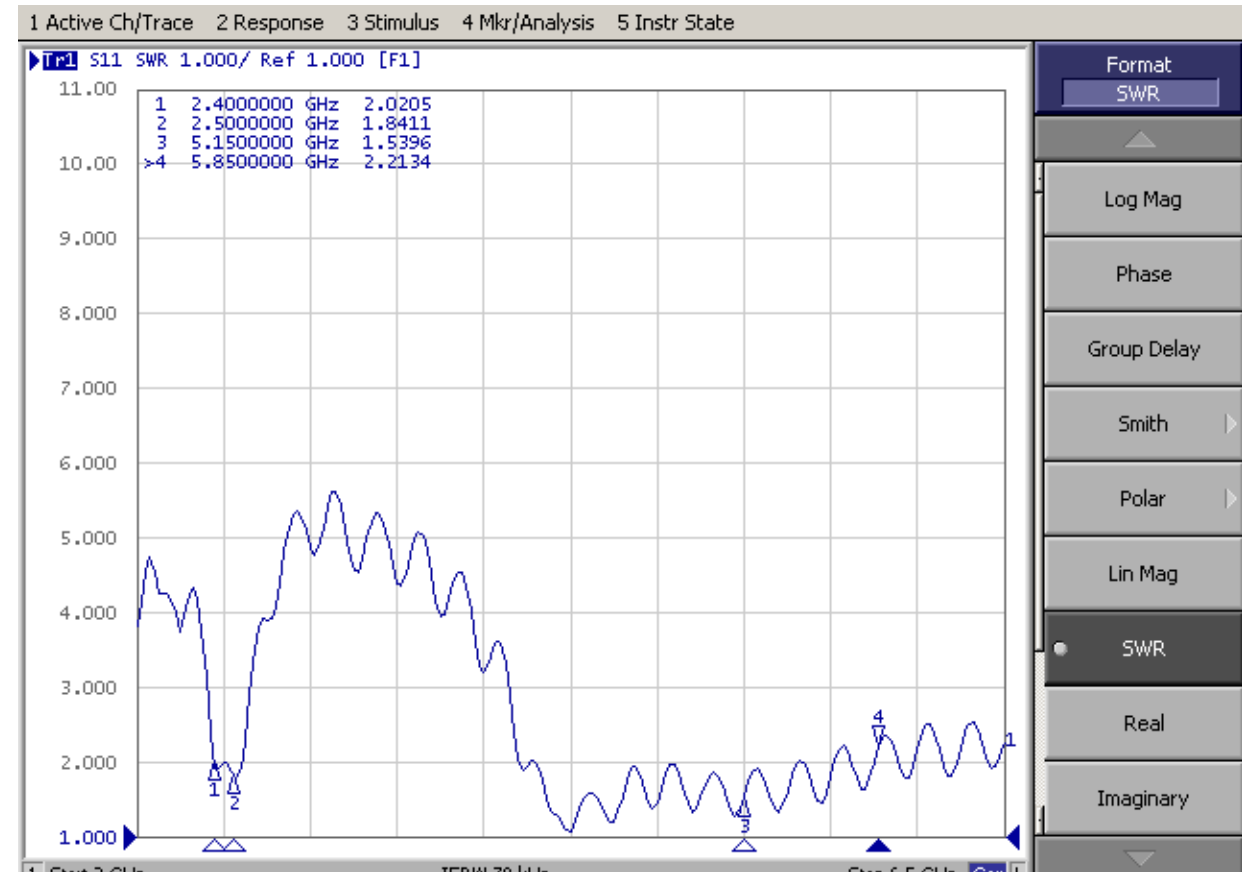
ANTENNA SPECIFICATION



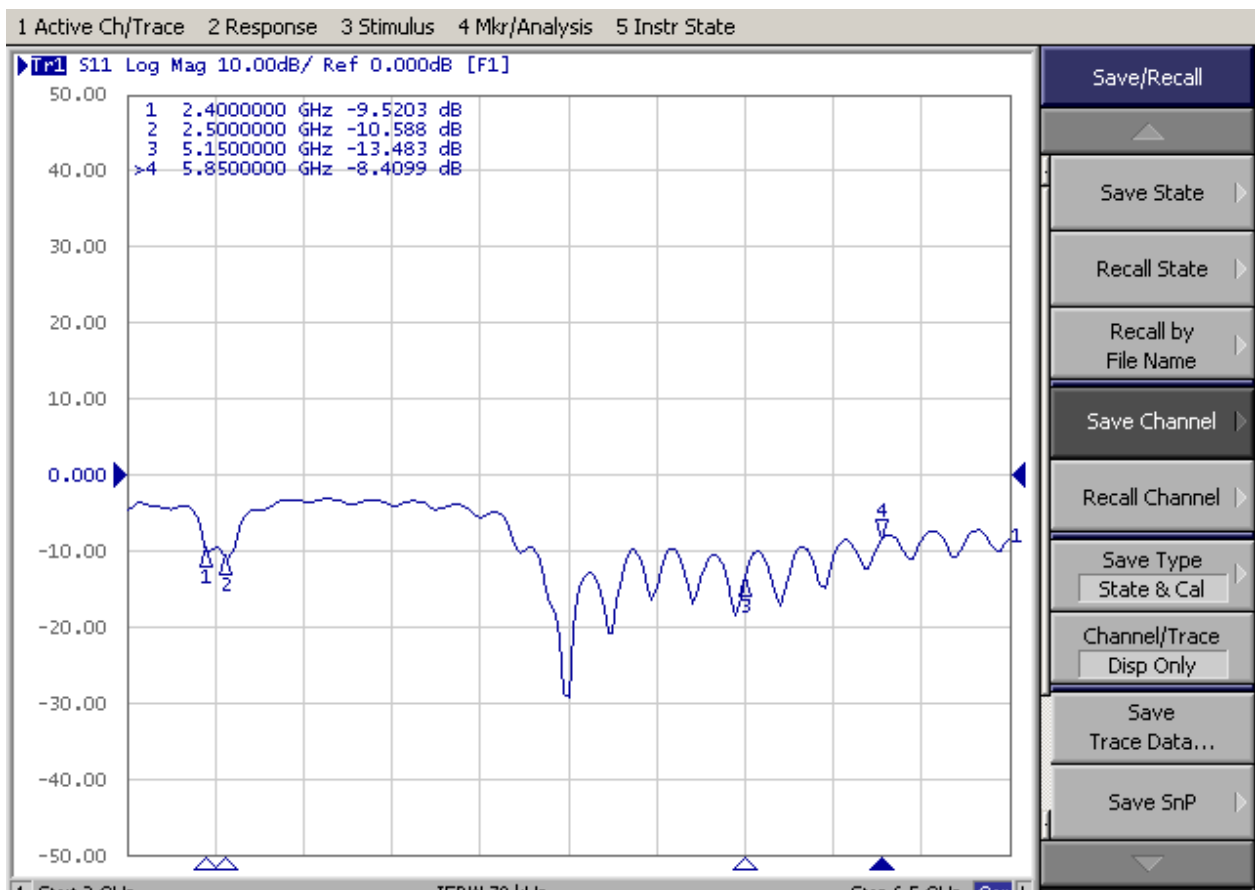
2. 4G/5. 8G



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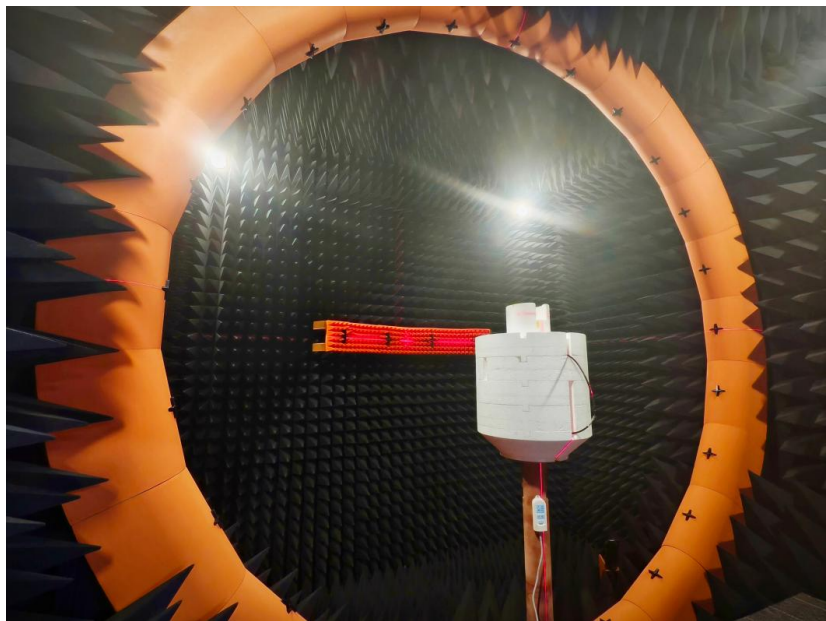


ANTENNA SPECIFICATION



2.4. 天线无源测试数据 Antenna passive test data

2.4.1. 测试系统 Test system



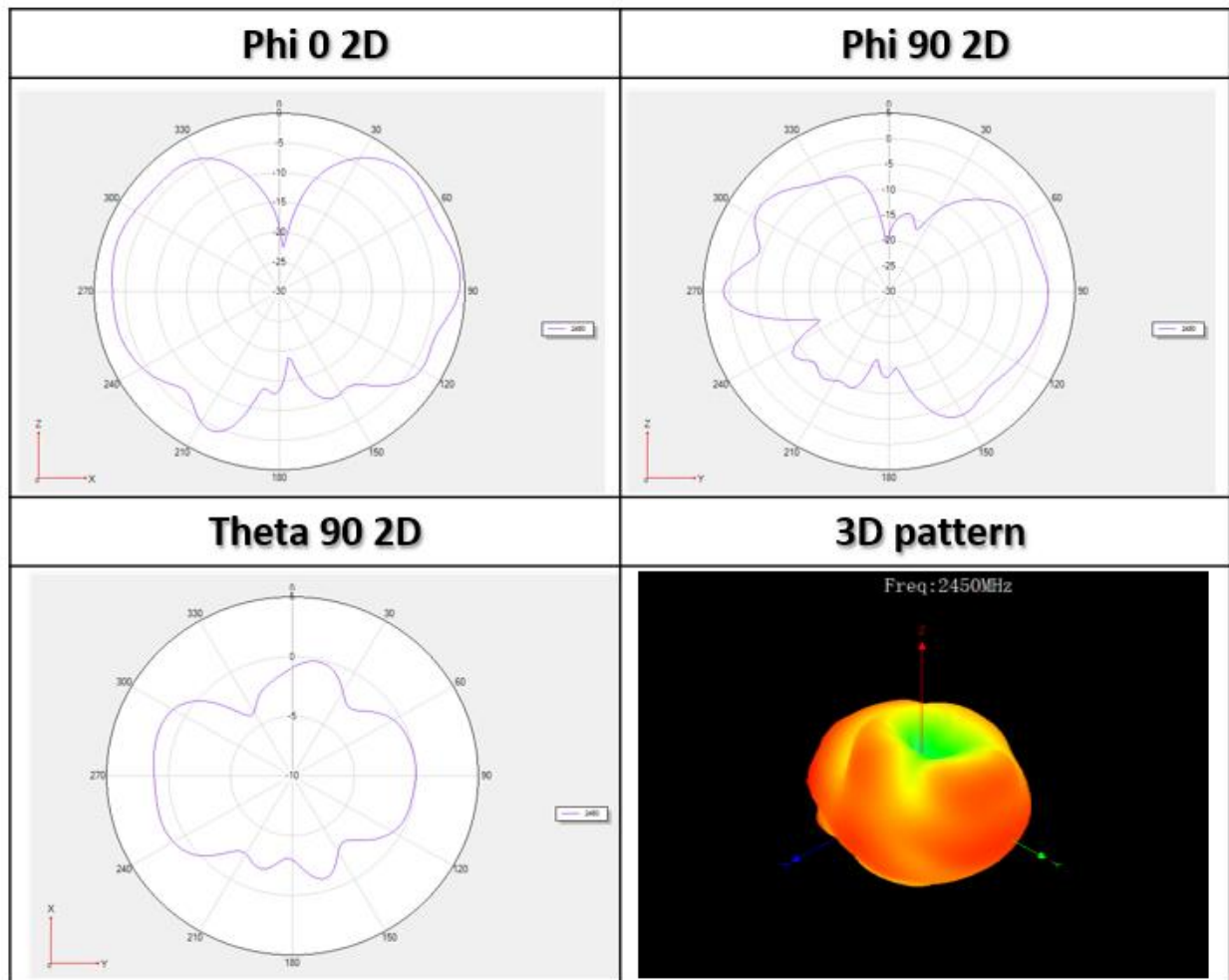
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BT ANTENNA SPECIFICATION

2.4.2 天线效率及增益、辐射方向图 Antenna efficiency and gain、Antenna Radiation Pattern

BT

Freq(MHz)	Efficiency (%)	Gain(dBi)
2400	58.88	2.34
2410	53.46	2.43
2420	49.20	2.40
2430	50.12	2.40
2440	51.05	2.06
2450	46.24	1.43
2460	49.43	1.32
2470	49.20	0.99
2480	46.03	0.43
2490	46.77	0.46
2500	51.64	0.95



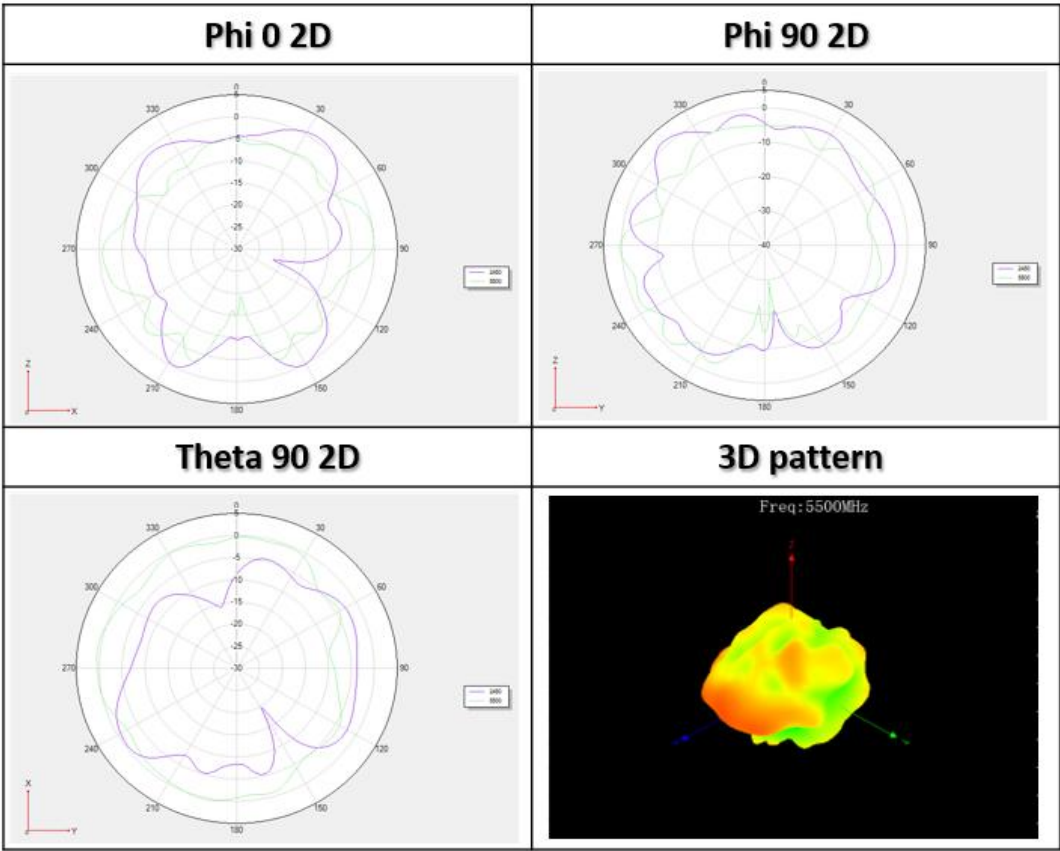
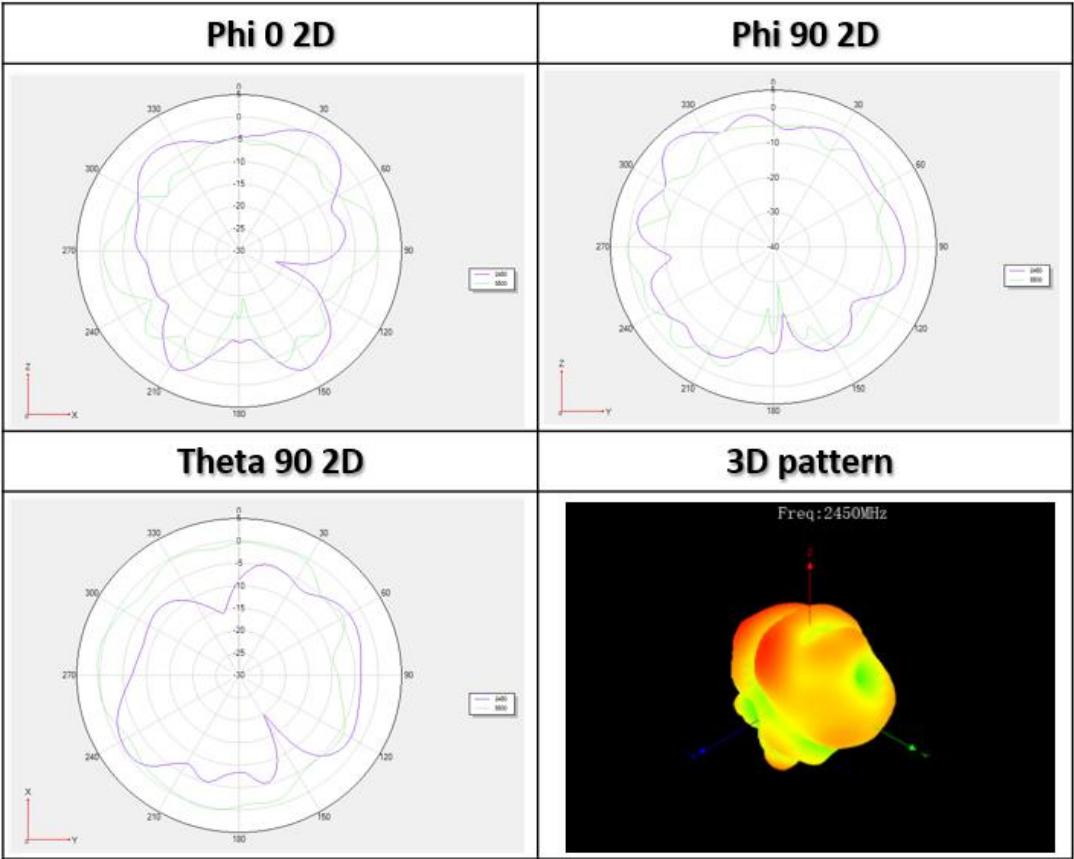
WiFi ANTENNA2 SPECIFICATION

2.4G/5.8G

Freq(MHz)	Efficiency (%)	Gain(dBi)
2400	42.27	1.54
2410	37.24	1.69
2420	34.91	1.72
2430	37.58	2.22
2440	40.18	2.51
2450	34.83	2.14
2460	36.48	2.38
2470	35.08	2.58
2480	32.28	2.61
2490	33.27	2.83
2500	37.07	3.15
5150	40.93	3.17
5200	40.74	2.98
5250	38.19	2.57
5300	40.18	2.64
5350	43.65	3.43
5400	44.46	3.08
5450	41.88	2.67
5500	43.65	2.35
5550	44.98	1.94
5600	45.19	1.98
5650	47.53	1.97
5700	50.93	2.26
5750	49.55	1.32
5800	50.70	1.47
5850	51.76	1.33



WiFi ANTENNA2 SPECIFICATION



WiFi ANTENNA1 SPECIFICATION

Freq(MHz)	Efficiency (%)	Gain(dBi)
2400	43.76	1.60
2410	37.78	1.62
2420	36.41	1.65
2430	38.76	2.17
2440	40.21	2.51
2450	35.17	2.31
2460	36.37	2.39
2470	35.39	2.62
2480	32.07	2.67
2490	32.99	3.01
2500	38.57	3.15
5150	42.07	3.45
5200	42.15	3.18
5250	38.70	2.68
5300	41.24	2.85
5350	44.80	3.72
5400	43.85	3.33
5450	42.19	2.76
5500	44.08	2.64
5550	46.24	2.21
5600	43.85	2.24
5650	48.27	1.88
5700	50.89	2.44
5750	49.41	1.49
5800	52.19	1.76
5850	52.03	1.38



WiFi ANTENNA1 SPECIFICATION

