



深圳市飞敏科技有限公司

ShenZhen City FeiMin Technology CO.,LTD.

承 认 书

SPECIFICATION FOR APPROVAL

客 户 名 称

CUSTOMER NAME:

产 品 名 称

PRODUCT NAME: 2.4G /5G内置FPC天线

客 户 料 号

CUSTOMER P /N:

电子料号

P/N:

REV: A

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:		
AUDITOR BY:		
APPROVED BY:		
DATE:	2026-03-13	

地址：深圳市宝安区西乡街道固兴社区盛辉路 4 号科运达电商基地 8 楼 801 室

ADD: Room 801, 8th Floor, Keyunda E-commerce Base, No. 4 Shenghui Road, Guxing Community, Xixiang Subdistrict, Baoan District, Shenzhen.

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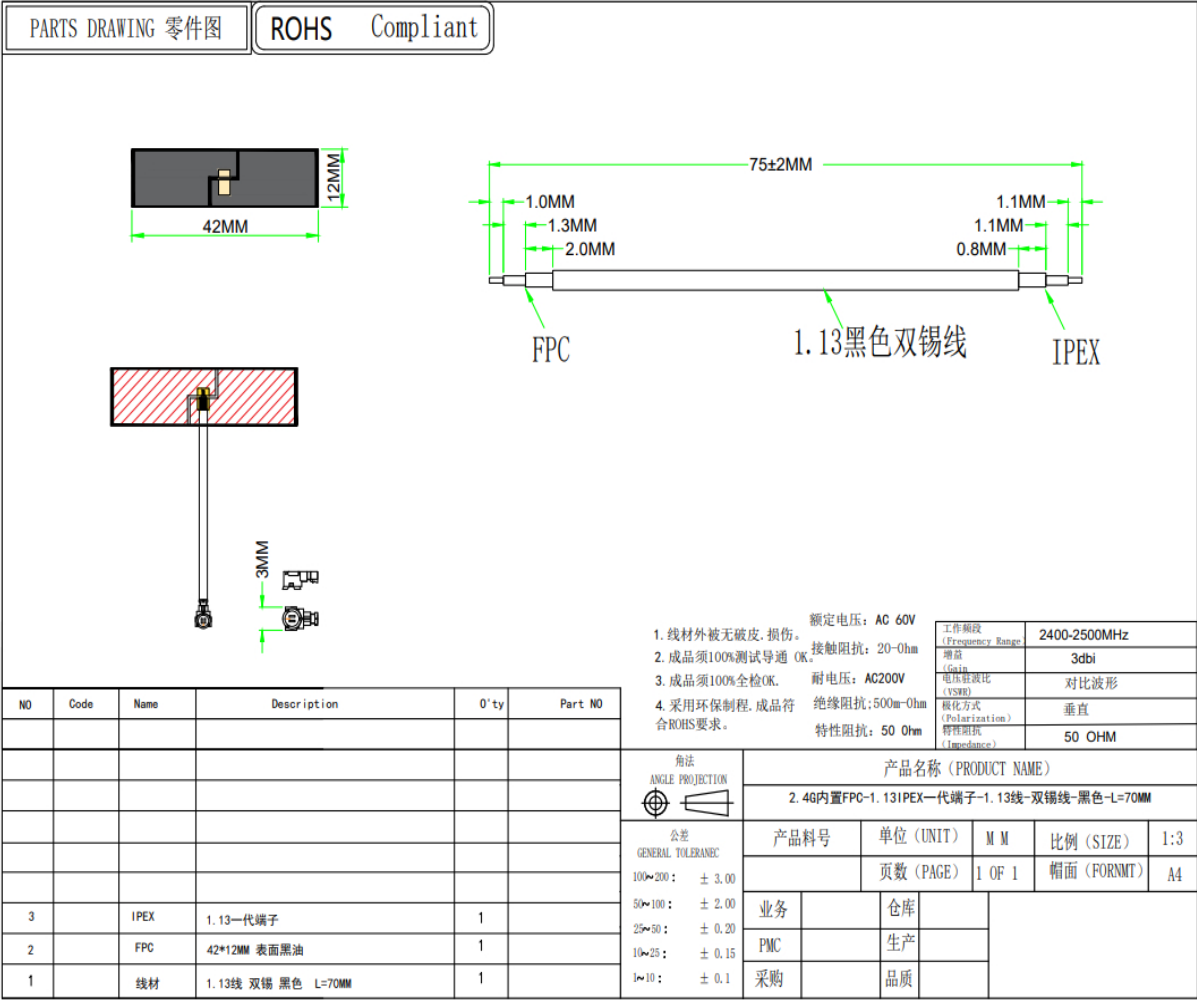
<i>Item</i>	<i>Description</i>
一、	规格表
二、	成品图
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一、规格表:

产品主要技术参数

主要技术指标		Main technical specifications	
频率范围 (MHZ)	2400-2500/5725-5875	Frequency Range (MHZ)	2400-2500/5725-5875
特性阻抗(Ω)	50	Impedance(Ω)	50
输出电压 驻波比	≤ 1.6	VSWR	≤ 1.6
最大功率	10W	Admitted Power	10W
极化方式	垂直极化	Polarization	Linear,Vertical
方向性	全向性	Radiation	Omni-directional
连接方式	IPEX	Connector Type	IPEX
物理性能		Physical Properties	
天线外套材料	TPEE	Antenna cover	TPEE
工作温度	-20℃~+70℃	Operating Temp	-20℃~+70℃
保存温度	-20℃~+70℃	Storage Temp	-20℃~+70℃

二、成品图：

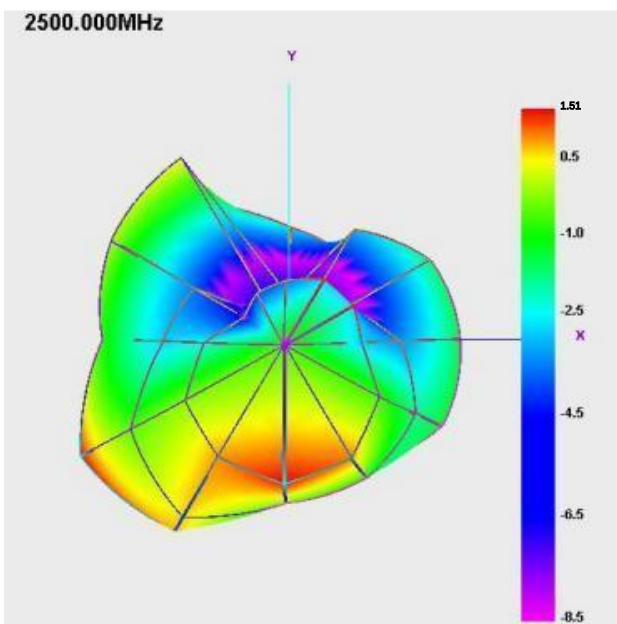
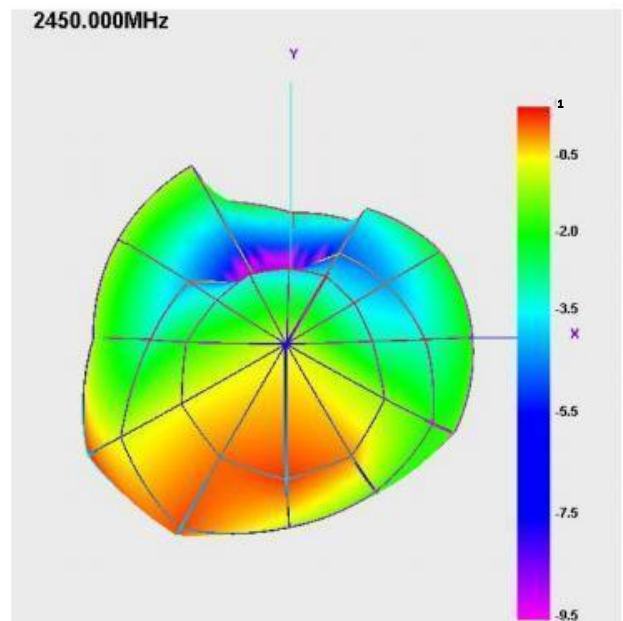
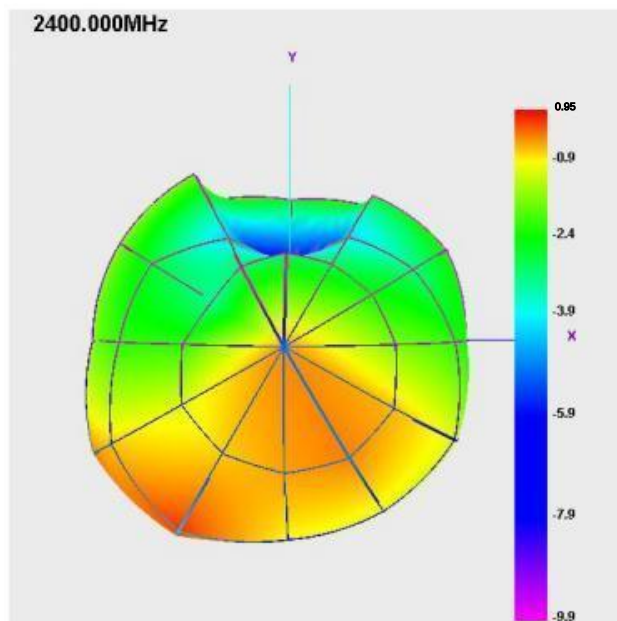


三、测试报告

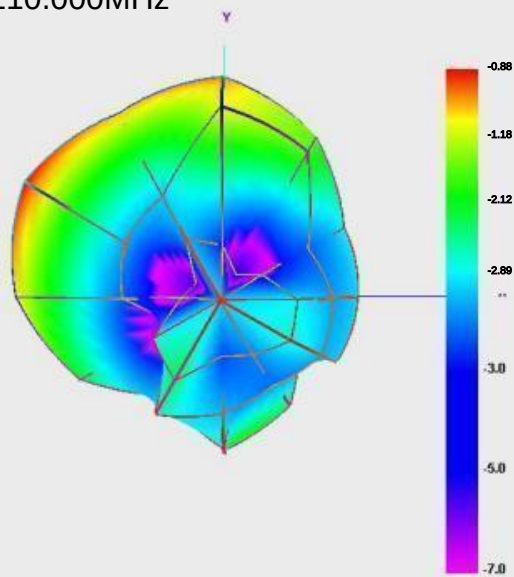
3.1: 网络分析仪测试报告

Test Point ID	Freq. (MHz)	TRP (dBm)	Gain (dBi)	Directivity (dBi)	Efficiency (%)	Efficiency (dB)	Max (dBm)	Theta of Max	Phi of Max	Min (dBm)	Theta of Min	Phi of Min	AVG (dBm)	Max/Min (dB)	Max/AVG (dB)	Min/AVG (dB)
1	2400.0	2400.00	0.95	4.76	41.6%	-3.81	0.95	9000	1680	-18.80	6000	13680	-3.82	19.75	4.77	-14.98
2	2410.0	2410.00	1.12	4.74	43.4%	-3.63	1.12	9000	1680	-18.06	6000	13680	-3.61	19.18	4.72	-14.45
3	2420.0	2420.00	0.92	4.68	42.1%	-3.76	0.92	9000	1680	-18.19	16500	6000	-3.70	19.12	4.62	-14.50
4	2430.0	2430.00	0.66	4.56	39.8%	-4.00	0.66	9000	1680	-19.05	16500	6000	-3.90	19.61	4.46	-15.15
5	2440.0	2440.00	0.65	4.57	40.5%	-3.92	0.65	9000	1680	-19.70	10500	10500	-3.79	20.35	4.44	-15.91
6	2450.0	2450.00	1.00	4.61	43.6%	-3.60	1.00	9000	1680	-20.09	10500	10500	-3.45	21.09	4.46	-16.63
7	2460.0	2460.00	1.16	4.60	45.3%	-3.44	1.16	9000	1680	-19.42	16500	6000	-3.27	20.58	4.43	-16.15
8	2470.0	2470.00	1.34	4.55	47.7%	-3.21	1.34	9000	1680	-20.26	16500	6000	-3.03	21.60	4.37	-17.23
9	2480.0	2480.00	1.42	4.45	49.8%	-3.03	1.42	9000	1680	-19.99	10500	10500	-2.84	21.41	4.26	-17.15
10	2490.0	2490.00	1.46	4.42	50.6%	-2.96	1.46	9000	1680	-20.49	10500	10500	-2.76	21.96	4.22	-17.74
11	2500.0	2500.00	1.51	4.35	52.0%	-2.84	1.51	9000	1680	-18.71	16500	6000	-2.65	20.22	4.15	-16.07
12	5100.0	5100.00	-1.37	3.99	29.1%	-5.36	-1.37	6000	16680	-20.44	1500	7680	-6.18	19.07	4.82	-14.25
13	5110.0	5110.00	-0.88	4.01	32.5%	-4.89	-0.88	6000	15180	-20.57	1500	7680	-5.70	19.69	4.83	-14.87
14	5120.0	5120.00	-1.00	3.91	32.3%	-4.91	-1.00	6000	15180	-19.46	1500	7680	-5.71	18.47	4.72	-13.75
15	5130.0	5130.00	-0.97	4.02	31.7%	-4.98	-0.97	6000	16680	-20.42	1500	7680	-5.79	19.46	4.83	-14.63
16	5140.0	5140.00	-0.98	4.00	31.8%	-4.98	-0.98	6000	16680	-20.47	1500	6180	-5.80	19.48	4.81	-14.67
17	5150.0	5150.00	-0.78	4.09	32.6%	-4.87	-0.78	6000	16680	-20.55	1500	6180	-5.68	19.77	4.91	-14.86
18	5160.0	5160.00	-0.90	4.21	30.8%	-5.11	-0.90	6000	16680	-21.03	1500	6180	-5.91	20.13	5.01	-15.11
19	5170.0	5170.00	-1.41	4.29	26.9%	-5.70	-1.41	6000	16680	-19.55	1500	6180	-6.48	18.14	5.07	-13.07
20	5180.0	5180.00	-1.86	4.35	23.9%	-6.21	-1.86	6000	16680	-19.35	1500	6180	-6.99	17.49	5.13	-12.36
21	5190.0	5190.00	-2.03	4.43	22.6%	-6.46	-2.03	6000	16680	-19.94	13500	16680	-7.25	17.91	5.22	-12.69
22	5200.0	5200.00	-2.19	4.33	22.3%	-6.51	-2.19	6000	16680	-22.03	13500	16680	-7.30	19.84	5.12	-14.73
23	5210.0	5210.00	-2.13	4.34	21.5%	-6.67	-2.13	6000	16680	-20.28	13500	16680	-7.44	18.15	5.31	-12.84
24	5220.0	5220.00	-2.25	4.61	20.6%	-6.86	-2.25	6000	16680	-19.97	13500	16680	-7.62	17.72	5.37	-12.35
25	5230.0	5230.00	-2.18	4.56	21.2%	-6.74	-2.18	6000	16680	-18.62	13500	16680	-7.48	16.44	5.30	-11.13
26	5240.0	5240.00	-1.58	4.77	23.2%	-6.35	-1.58	6000	16680	-18.92	13500	16680	-7.10	17.34	5.52	-11.82
27	5250.0	5250.00	-1.26	4.78	24.9%	-6.04	-1.26	6000	16680	-19.95	13500	16680	-6.79	18.69	5.52	-13.17
28	5260.0	5260.00	-1.12	4.63	26.6%	-5.75	-1.12	6000	16680	-19.48	13500	16680	-6.48	18.36	5.36	-13.00
29	5270.0	5270.00	-0.69	4.81	28.2%	-5.50	-0.69	6000	16680	-17.34	13500	16680	-6.22	16.65	5.53	-11.12
30	5280.0	5280.00	-0.50	4.77	29.7%	-5.27	-0.50	6000	16680	-17.34	13500	16680	-5.99	16.84	5.49	-11.35
31	5290.0	5290.00	-0.12	4.86	31.7%	-4.98	-0.12	6000	16680	-16.20	1500	7500	-5.70	16.08	5.58	-10.50
32	5300.0	5300.00	-0.42	4.77	30.3%	-5.18	-0.42	6000	16680	-16.41	0	4500	-5.89	16.00	5.48	-10.52
33	5310.0	5310.00	-0.87	4.68	27.8%	-5.55	-0.87	6000	16680	-17.01	13500	16680	-6.26	16.14	5.39	-10.76
34	5320.0	5320.00	-0.94	4.40	29.3%	-5.34	-0.94	6000	16680	-16.13	13500	16680	-6.04	15.19	5.10	-10.09
35	5330.0	5330.00	-0.78	4.30	31.0%	-5.08	-0.78	6000	16680	-16.18	9000	12000	-5.78	15.39	5.00	-10.39
36	5340.0	5340.00	-0.65	4.51	30.5%	-5.15	-0.65	6000	16680	-16.70	9000	12000	-5.84	16.05	5.19	-10.86
37	5350.0	5350.00	-0.99	4.40	28.9%	-5.39	-0.99	6000	16680	-18.05	9000	12000	-6.06	17.06	5.08	-11.99
38	5360.0	5360.00	-1.05	4.31	29.1%	-5.37	-1.05	9000	0	-18.01	9000	12000	-6.05	16.96	5.00	-11.96
39	5370.0	5370.00	-0.56	4.41	31.9%	-4.97	-0.56	9000	0	-16.95	9000	12000	-5.64	16.39	5.08	-11.31
40	5380.0	5380.00	-0.15	4.32	35.7%	-4.47	-0.15	9000	0	-16.58	13500	16680	-5.13	16.43	4.97	-11.45
41	5390.0	5390.00	-0.27	4.17	35.9%	-4.45	-0.27	9000	0	-18.81	13500	16680	-5.10	18.54	4.83	-13.71
42	5400.0	5400.00	-0.28	4.36	34.4%	-4.64	-0.28	12000	13500	-18.22	13500	16680	-5.28	17.94	5.00	-12.94
43	5410.0	5410.00	0.22	4.42	38.0%	-4.21	0.22	12000	13500	-17.06	9000	12000	-4.85	17.27	5.07	-12.20
44	5420.0	5420.00	0.27	4.31	39.4%	-4.04	0.27	12000	13500	-18.56	13500	15180	-4.67	18.83	4.94	-13.89
45	5430.0	5430.00	0.27	4.25	40.0%	-3.98	0.27	12000	180	-17.95	13500	15180	-4.59	18.22	4.86	-13.36
46	5440.0	5440.00	-0.03	4.36	36.4%	-4.39	-0.03	12000	180	-16.49	13500	15180	-5.00	16.46	4.97	-11.49
47	5450.0	5450.00	-0.61	4.15	33.4%	-4.77	-0.61	12000	13500	-17.63	13500	15180	-5.36	17.02	4.75	-12.27
48	5460.0	5460.00	-0.50	4.38	32.5%	-4.88	-0.50	12000	13500	-17.84	18000	3000	-5.47	17.34	4.97	-12.37
49	5470.0	5470.00	-0.80	4.14	32.1%	-4.94	-0.80	12000	180	-17.60	18000	4500	-5.52	16.81	4.73	-12.08
50	5480.0	5480.00	-0.46	4.71	30.4%	-5.17	-0.46	12000	180	-16.52	16500	7500	-5.72	16.05	5.26	-10.80

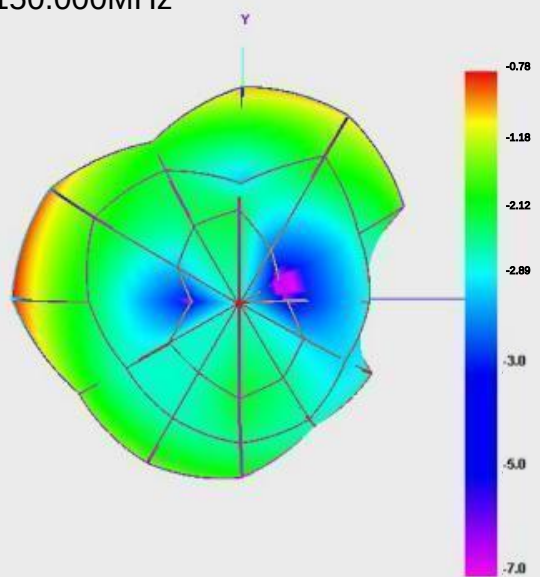
3D pattern



5110.000MHz



5150.000MHz



5270.000MHz

