

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A1)

CUSTOMER(客户名称)	利利普
CS P/N(客户机种)	VT-7M
PART NAME(品名)	BT/BLE/WIFI
FREQUENCY(频率)	2400-2500MHz; 5150-5850MHz。
ZTX NO.(物料编号)	F.00000504
DATE(日期)	2022-1-5

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Revision history

版本	日期	状态
A1	2021-1-5	规格书制定。



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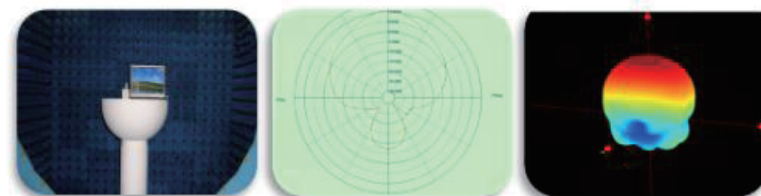
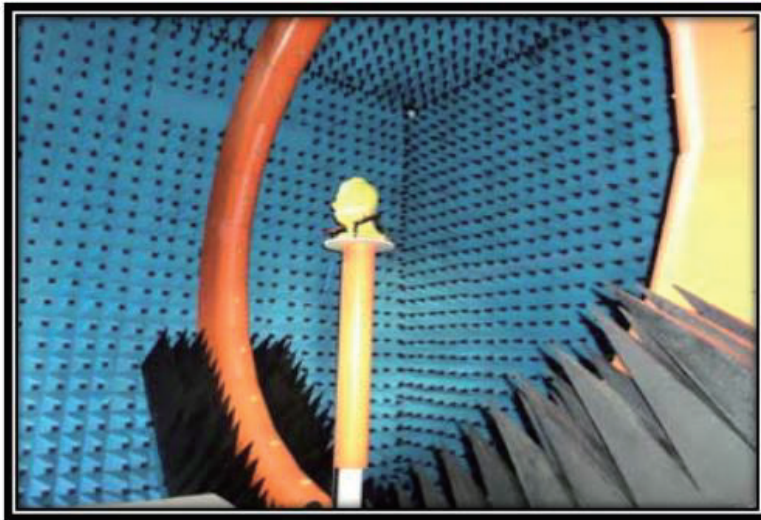
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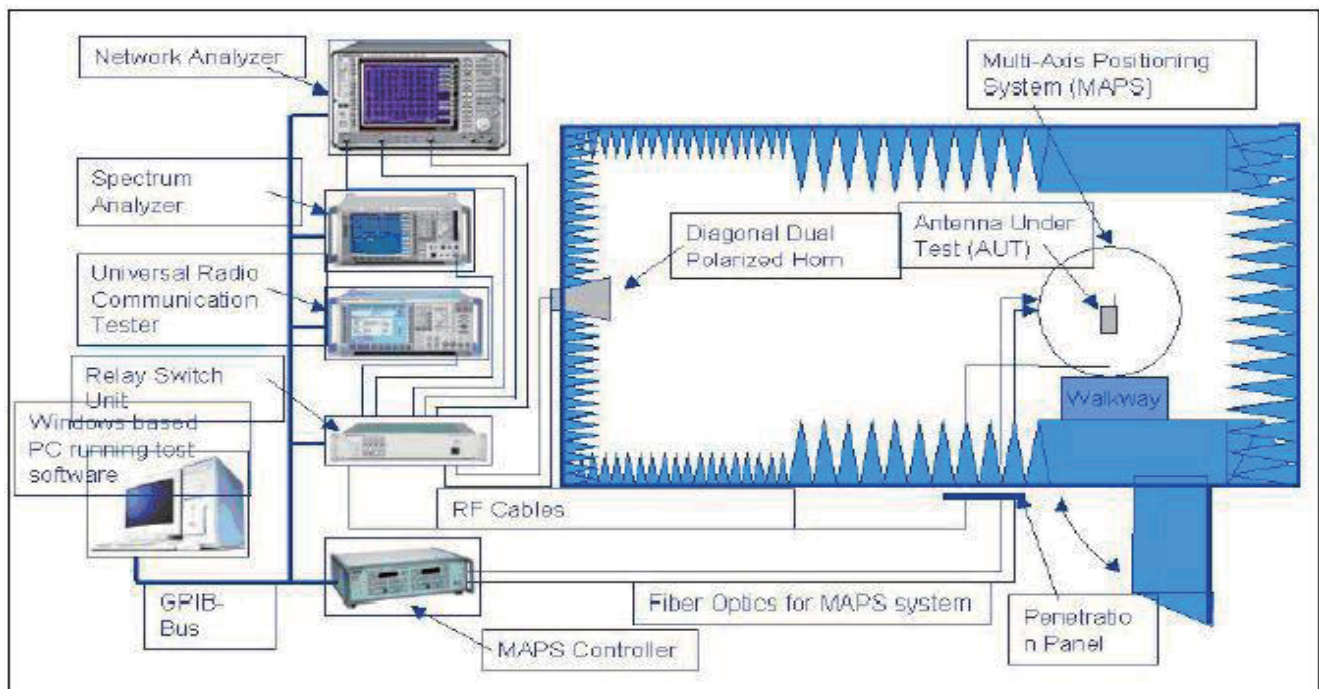
1. Test equipment



Owned 6 microwave dark room, equipped 2 sets world leading France Satimo SG24 OTA certification test systems (one in SHENZHEN, another one in Shanghai), ETS OTA Standard test system, Blue test reverberation test system which is High repeatability, high accuracy and high resolution. It can quickly provide accurate test reports, fully meet the CITA standards.

Testing range:

Support active, passive testing of
GSM/CDMA/WCDMA/TD-
SCDMA/LTE/WIFI/WLAN/WiMax/BT
/GPS/MIMO/UWB within 0.4-6G.



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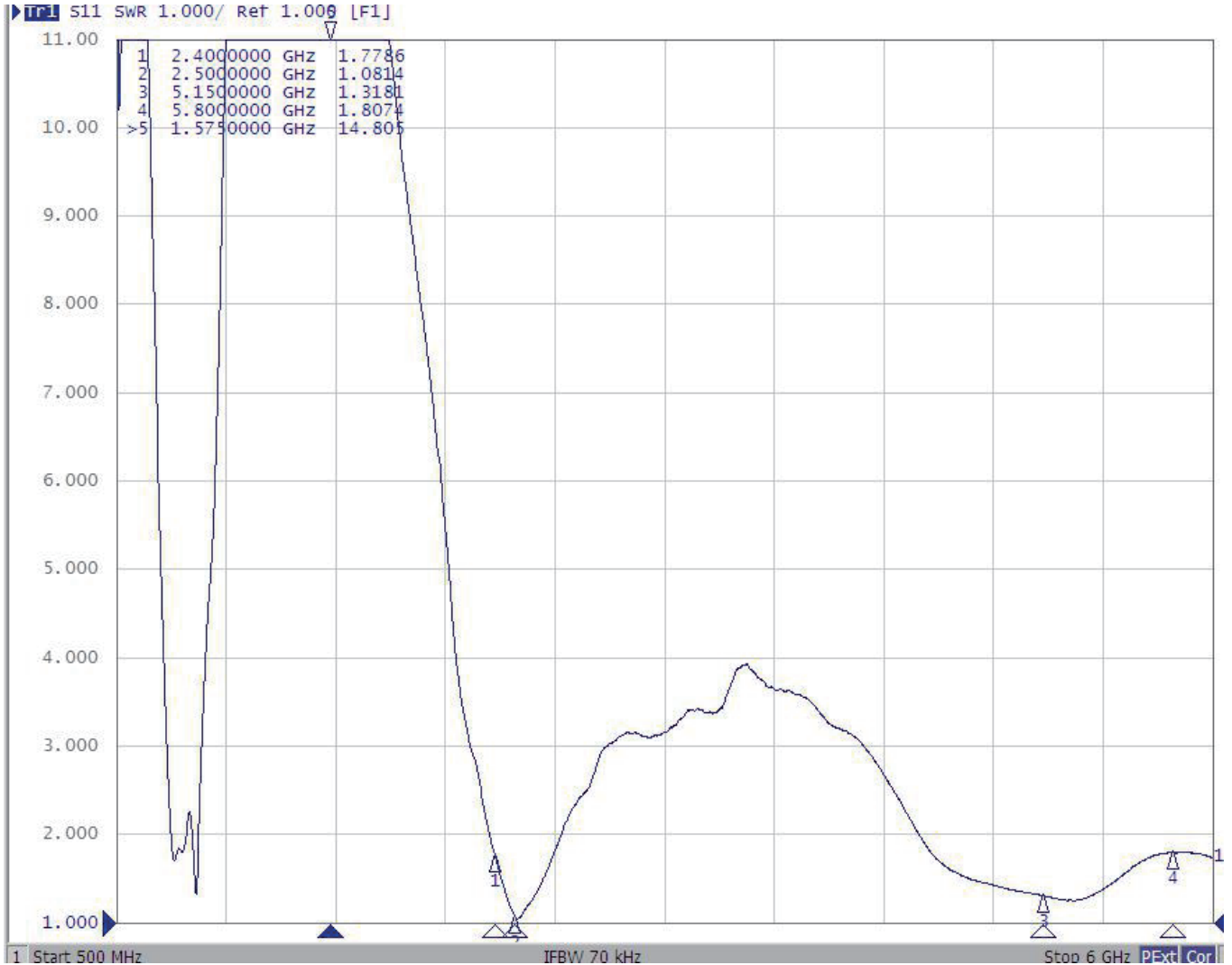
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2.Antenna test data

2-1 VSWR



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2-2 Antenna passive test

Freq	Gain	Efficiency_ Pcent
2400	3.16	57.42
2410	3.63	60.28
2420	4.31	63.95
2430	4.69	65.19
2440	4.85	64.20
2450	5.14	67.15
2460	5.16	68.03
2470	5.16	69.82
2480	4.89	67.39
2490	4.74	67.32
2500	4.62	67.74
5150	2.56	51.94
5200	3.32	56.01
5250	2.88	58.51
5300	3.41	60.83
5350	3.43	64.85
5400	3.47	65.94
5450	2.76	57.12
5500	2.01	48.20
5550	2.40	52.89
5600	2.11	48.90
5650	3.23	60.92
5700	2.44	58.24
5750	2.15	51.91
5800	2.14	54.66
5850	2.76	65.11



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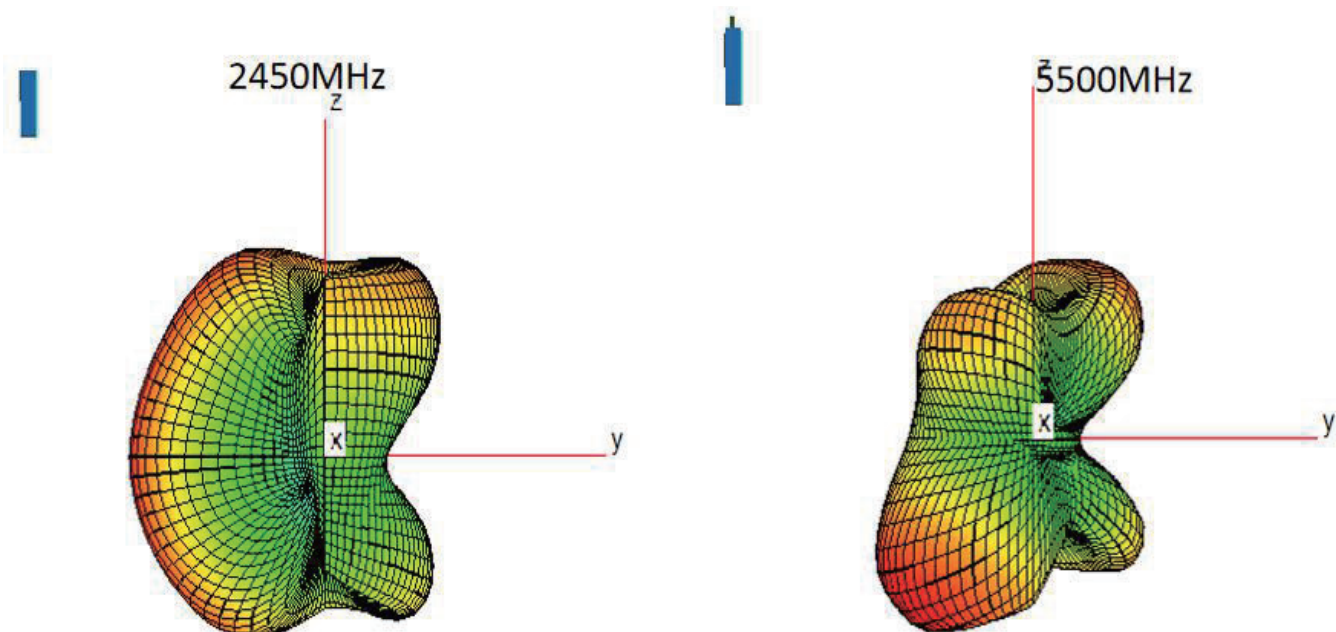
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2-3 3D radiation drawing



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2-4 Active test data

VT-TM 欧版				
	11b		11a	
1	15.56/-84.43	36	8.48/-69.78	
7	15.40/-84.62	100	9.14/-70.09	
13	15.22/-84.96	165	10.05/-70.20	

VT-TM 美版				
	11b		11a	
1	15.30/-84.90	36	9.32/-70.28	
7	15.42/-84.77	100	9.54/-70.49	
13	15.73/-84.24	165	10.14/-70.49	



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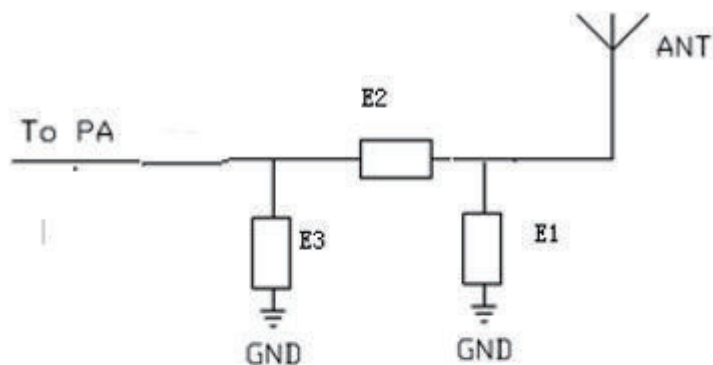
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2-5 Matching circuit



匹配说明	
E1	NC
E2	0Ω
E3	NC



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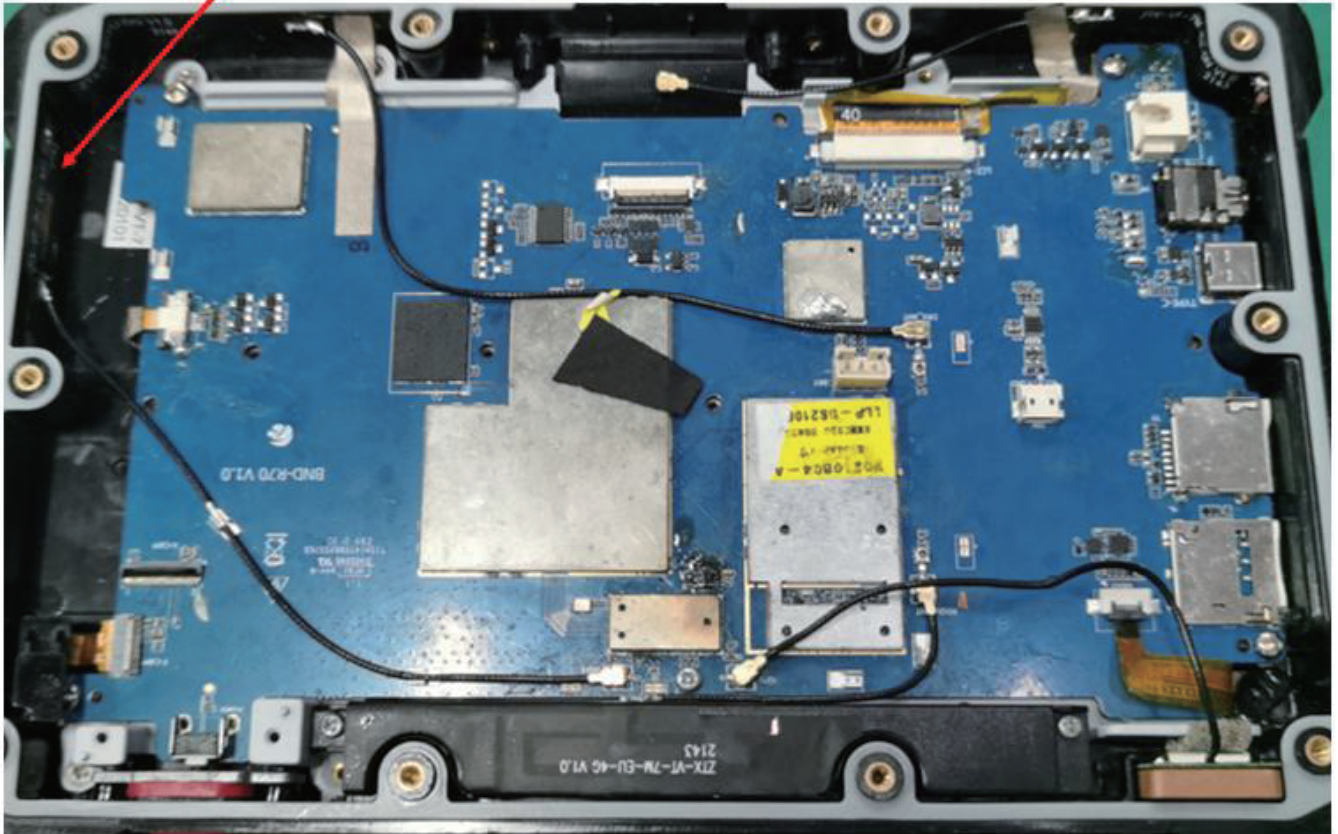
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2-6 Environment treatment

WiFi天线



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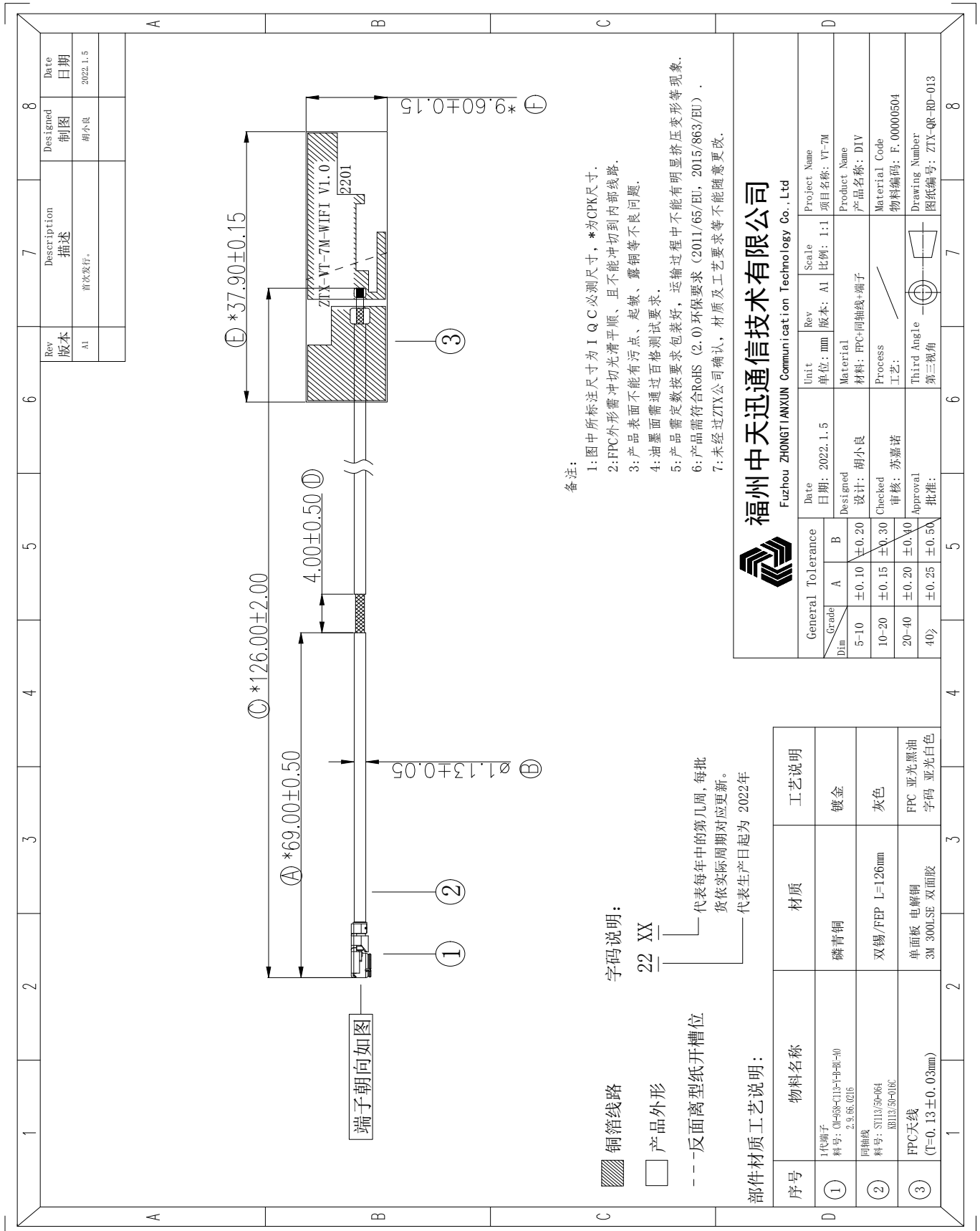
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3. Mechanical Specification



福州中天迅通信技术有限公司
ZHONGTIAN XUN Communication Technology Co., Ltd.

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4.Size report

5.Salt-Spray test

6.Environment Characteristic

NO.	ITEM	TEST CONDITION	SPECIFICATION
4-1	High Temperature/Humidity Storage Test(non operating)	1.Temperature: $+70 \pm 2^{\circ}\text{C}$ 2.Humidity: 90~95%RH 3.Time: 48hrs	No material deformation is allowed.
4-2	Low Temperature/Humidity Storage Test(non operating)	1.Temperature: $-30 \pm 2^{\circ}\text{C}$ 2.Humidity: 0%RH 3.Time:48hrs	The VSWR, Gain, Radiation Pattern must be met specifications after these test.

