

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A1)

	CUSTOMER(客户名称)	Newland
	CS P/N(客户机种)	U200
	PART NAME(品名)	3in1
	FREQUENCY(频率)	1575MHz, 2400-2500MHz, 5150-5850MHz。
	ZTX NO.(中天迅物料编号)	E.03.01105
	NEWLAND NO. (新大陆物料编号)	105040481
	DATE(日期)	2025-1-3



福州中天迅通信技术有限公司

ZHONGTIAN XUN Communication Technology Co.,Ltd.

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ANTENNA SPECIFICATION

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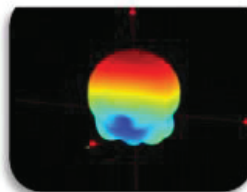
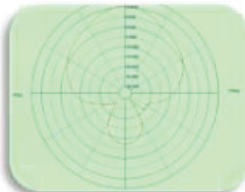
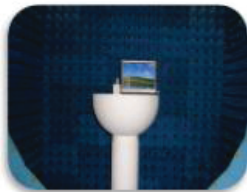
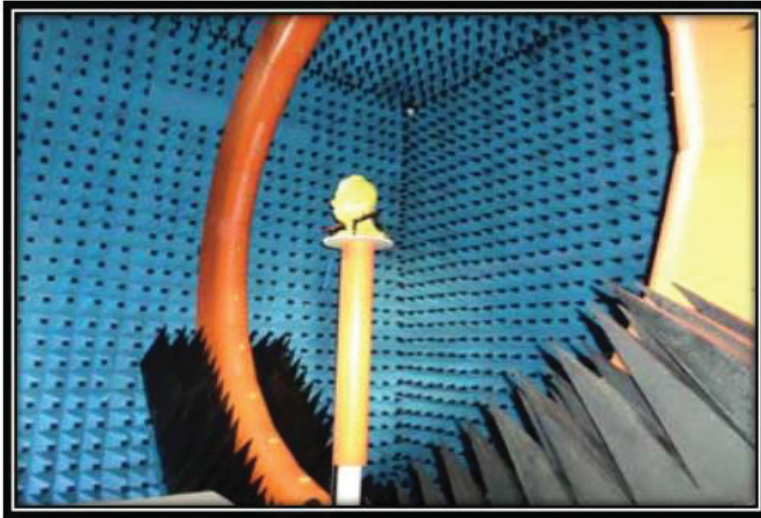
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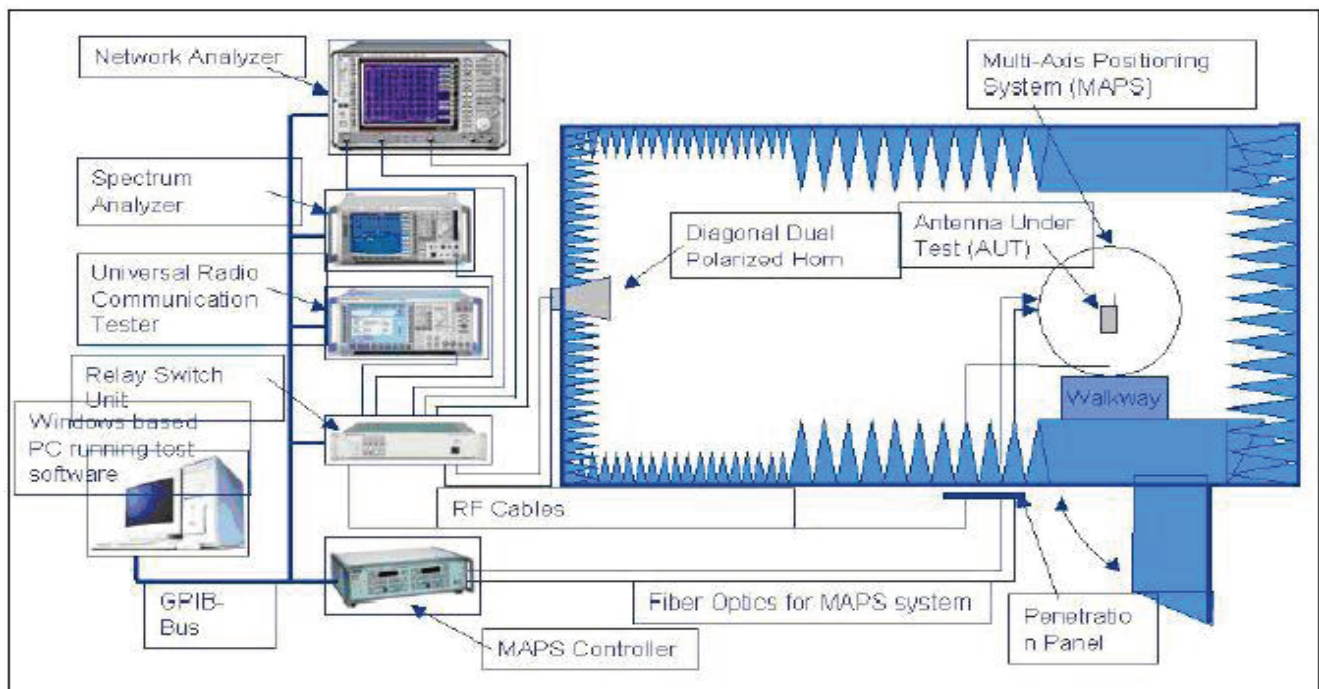
1. Test equipment



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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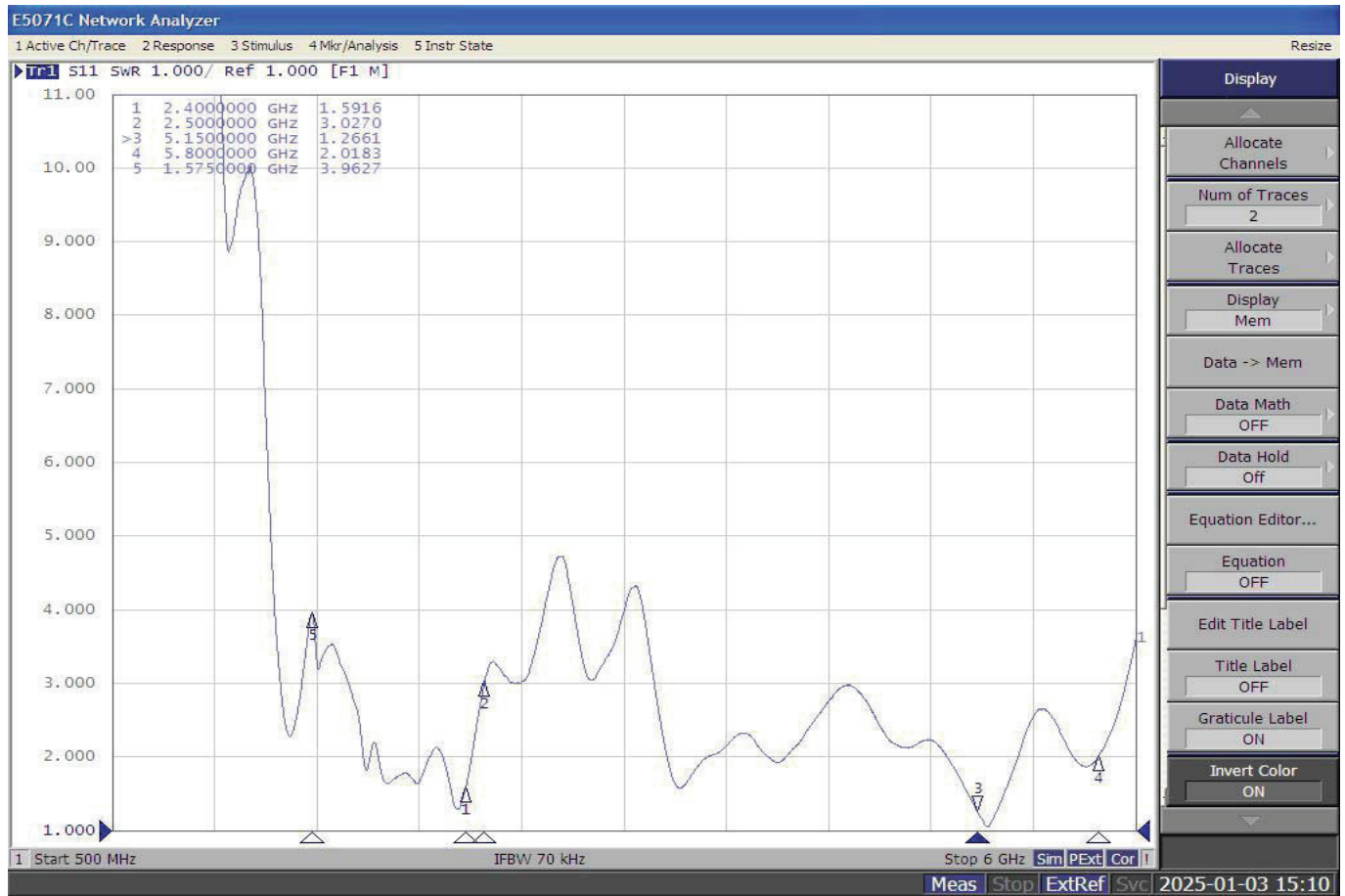
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2.Antenna test data

2-1 VSWR



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2-2 Antenna passive test

chNo	Freq (MHz)	Gain (dBi)	Efficiency_Pcent (%)
1	1550	-2.406779716	29.92546382
2	1555	-2.203444306	30.24185555
3	1560	-2.239733453	31.04808866
4	1565	-2.100056954	31.48459014
5	1570	-2.165864673	30.63176973
6	1575	-2.161288298	29.83592726
7	1580	-2.205298614	29.13405645
8	1585	-2.262470412	29.37824203
9	1590	-2.15435597	29.34933616
10	1595	-2.096689962	30.95060547
11	1600	-1.78991062	29.0516506
12	1605	-1.896383393	29.86906209
13	1610	-2.046178952	30.6440692
14	1615	-2.335018267	31.09870849
15	1620	-2.332264033	31.48786512



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16	2400	0.591075281	56.46004039
17	2410	0.59579141	57.46698515
18	2420	0.597806813	57.92946278
19	2430	0.599496353	55.17620446
20	2440	0.598865555	51.83455923
21	2450	0.591057995	50.8579237
22	2460	0.598190082	48.89378841
23	2470	0.595783319	46.84071107
24	2480	0.598112503	44.02835289
25	2490	0.478800588	40.62317941
26	2500	0.305594899	38.72099523
27	5150	-1.04852074	32.08261418
28	5200	-0.587664341	36.35217782
29	5250	-0.289033921	39.268465
30	5300	0.644770173	39.9880414
31	5350	1.190701339	43.56660745
32	5400	1.193165971	46.98624261



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33	5450	1. 198912963	41. 10190834
34	5500	0. 491319797	32. 11142735
35	5550	0. 889153948	35. 5140942
36	5600	0. 388781456	32. 2429201
37	5650	1. 086152986	37. 19942456
38	5700	1. 168840404	35. 5957
39	5750	1. 198418458	30. 24865169
40	5800	1. 19857137	29. 94378541
41	5850	0. 657538848	26. 48211262



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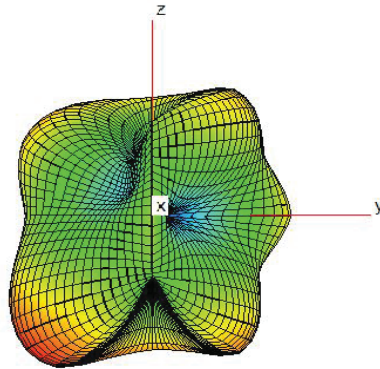
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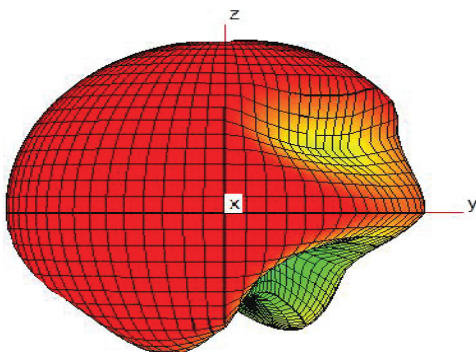
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2-3 3D radiation drawing

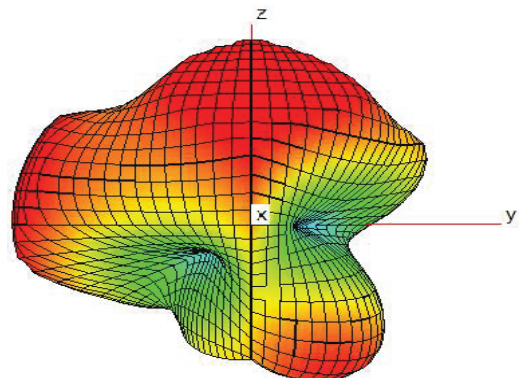
1575MHZ



2450MHZ



5550MHZ



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2-4 Active test data

频段 Frequency	参数\信道 Parameter/channel	1	7	11
WIFI-B	TRP	13.51	13.95	13.85
	TIS	-84.17	-84.84	-84.58
频段 Frequency	参数\信道 Parameter/channel	1	7	11
WIFI-G	TRP	12.26	13.32	13.27
	TIS	-69.72	-70.95	-69.99
频段 Frequency	参数\信道 Parameter/channel	1	7	11
WIFI-GN	TRP	12.18	13.34	13.96
	TIS	-65.13	-66.74	-65.28
频段 Frequency	参数\信道 Parameter/channel	36	64	157
WIFI-A	TRP	12.21	11.42	10.62
	TIS	-66.81	-66.42	-66.02

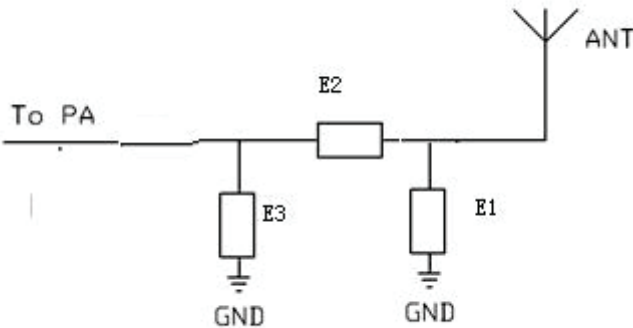


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2-5 Matching circuit



匹配说明 Matching specification	
E1	NC
E2	1. 5pF
E3	NC

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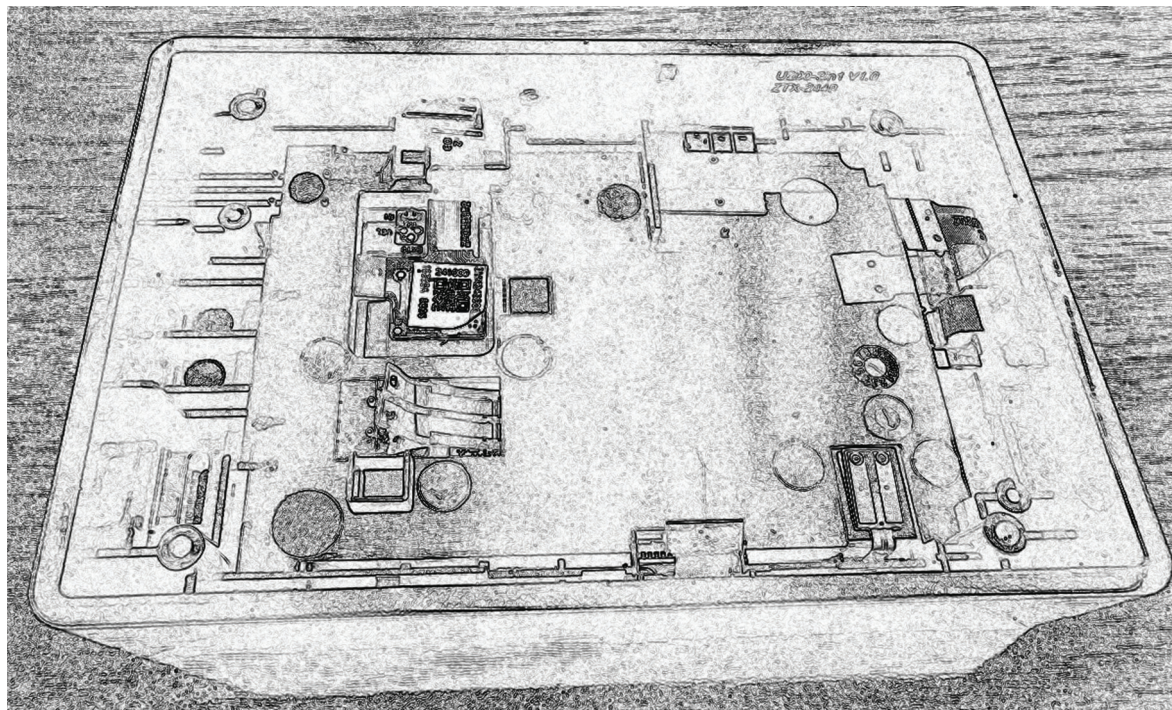
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2-6 Environment treatment



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3. Mechanical Specification

