

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A3)

	CUSTOMER(客户名称)	Newland
	CS P/N(客户机种)	S90
	PART NAME(品名)	WIFI
	FREQUENCY(频率)	2400-2500MHz, 5150-5850MHz。
	ZTX NO.(物料编号)	E.03.01119
	DATE(日期)	2025-4-24



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

Fuzhou Address: Building 45, Unit SC02, 2nd Floor, Jinshan Industrial Zone,
Cangshan District, Fuzhou City, Fujian Province

ANTENNA SPECIFICATION

CUS P/N : WIFI

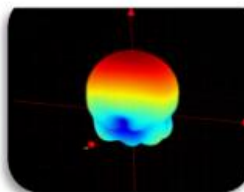
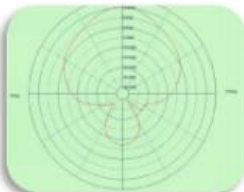
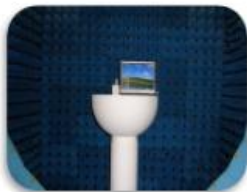
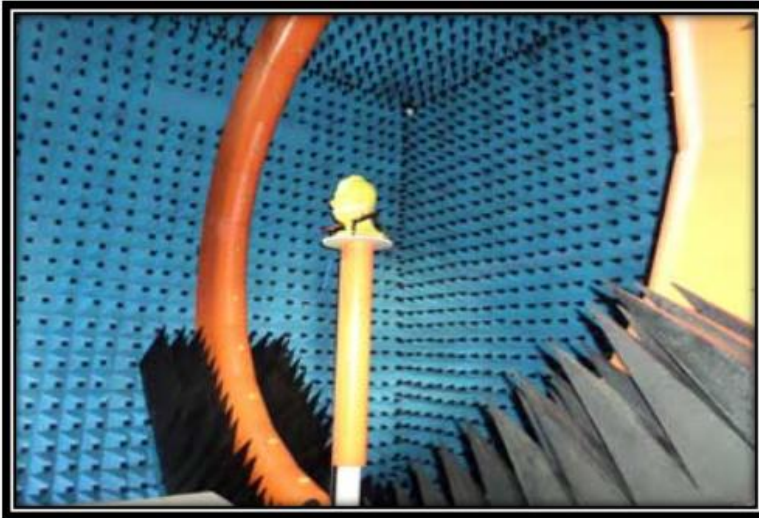
ApplicationDate:Apri,24,2025

Rev: R:A3

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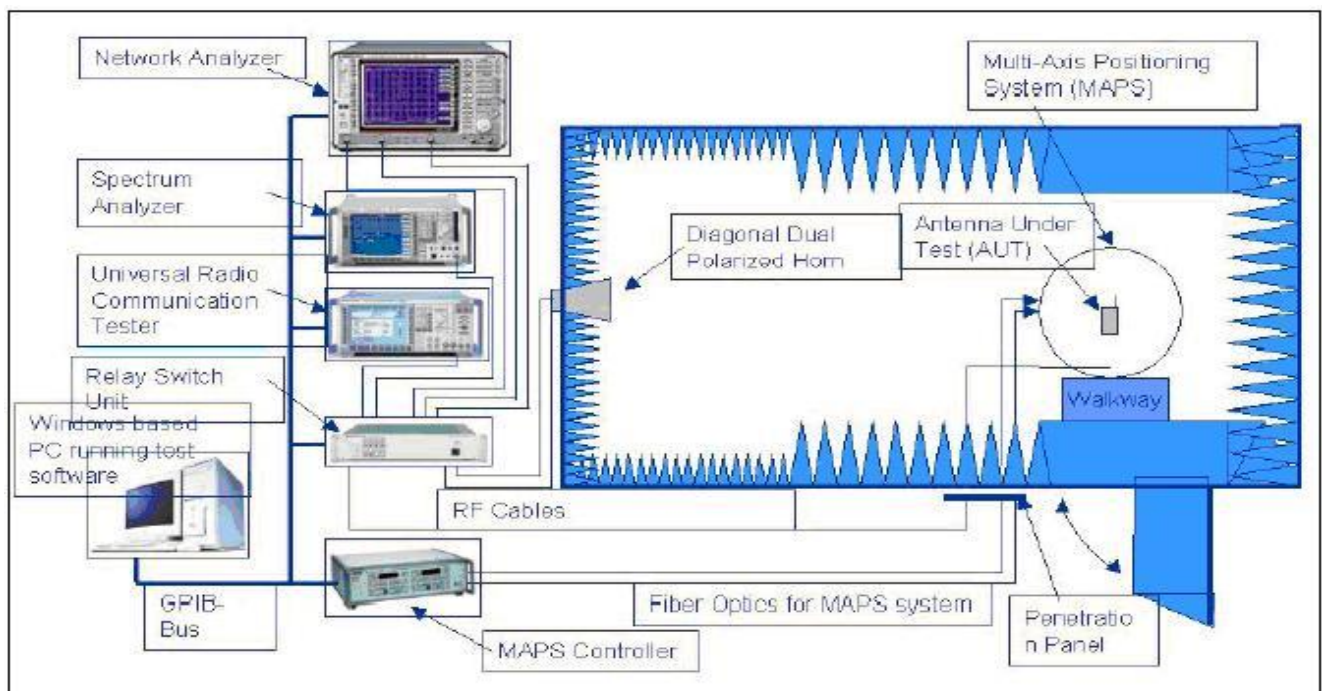
1. Test equipment



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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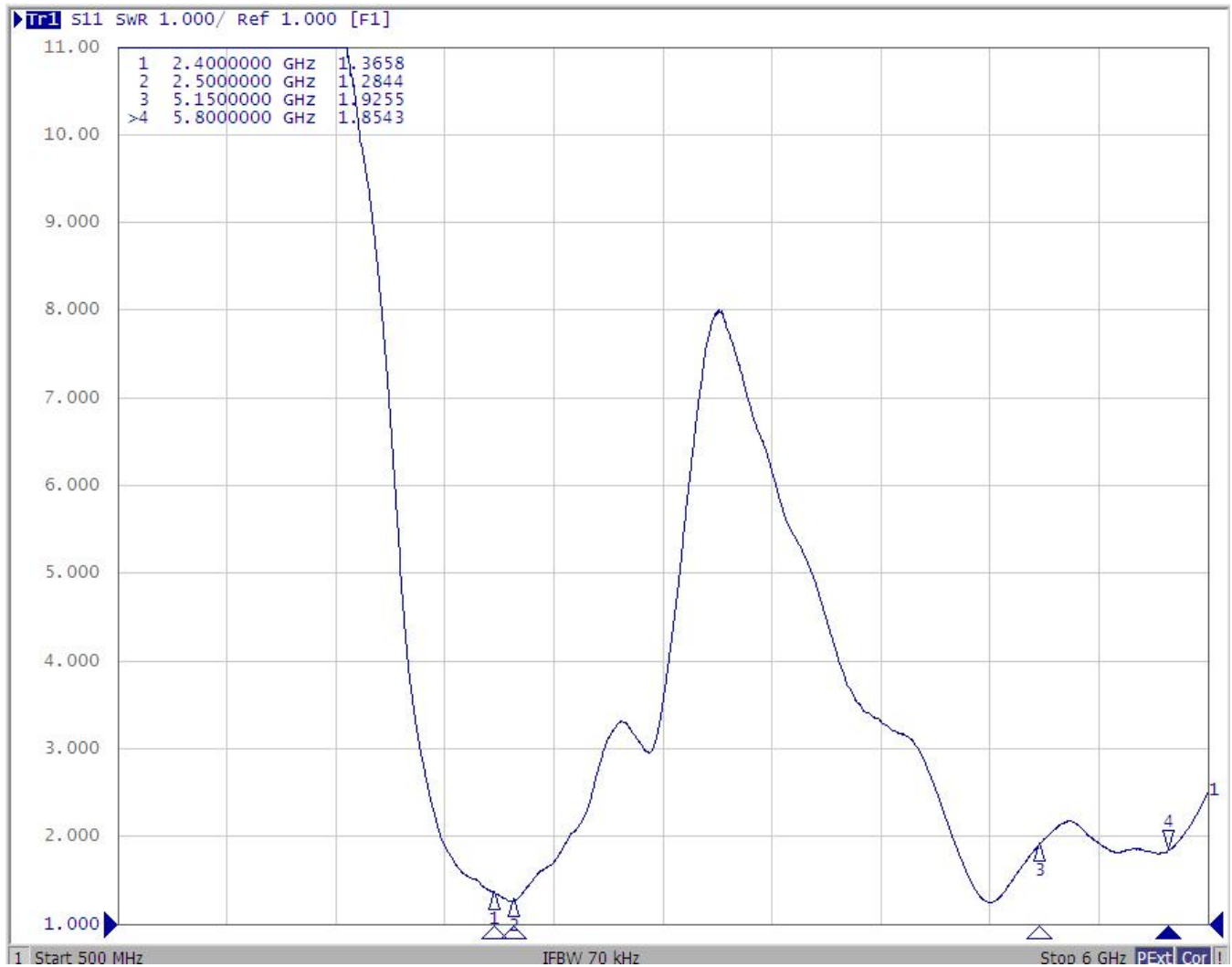
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2.Antenna test data

2-1 VSWR



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2-2 Antenna passive test

chNo	Freq (MHz)	Gain (dBi)	Efficiency_Pcent(%)
16	2400	0.806072	48.99871
17	2410	0.6479	50.93966
18	2420	0.629994	51.74328
19	2430	0.472019	50.10028
20	2440	0.562287	47.51683
21	2450	0.803661	48.21938
22	2460	0.852644	47.15999
23	2470	0.656845	46.2641
24	2480	0.436863	44.17683
25	2490	0.462472	42.05508
26	2500	0.572545	42.17128
27	5150	-2.86579	20.19031
28	5200	-3.47891	20.24248
29	5250	-2.77513	23.30979
30	5300	-1.97088	22.47358
31	5350	-2.05824	21.52311



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32	5400	-1.80265	22.08469
33	5450	-2.52313	21.40987
34	5500	-3.58989	20.55953
35	5550	-3.00367	20.10739
36	5600	-2.85541	20.62063
37	5650	-2.15646	24.06898
38	5700	-2.06351	24.15848
39	5750	-1.52941	24.16167
40	5800	-2.86107	25.30311
41	5850	-2.36894	29.85998



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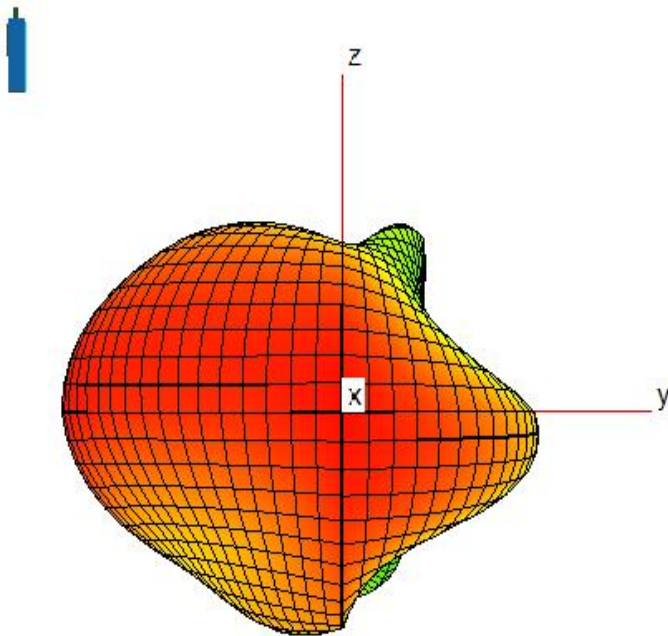
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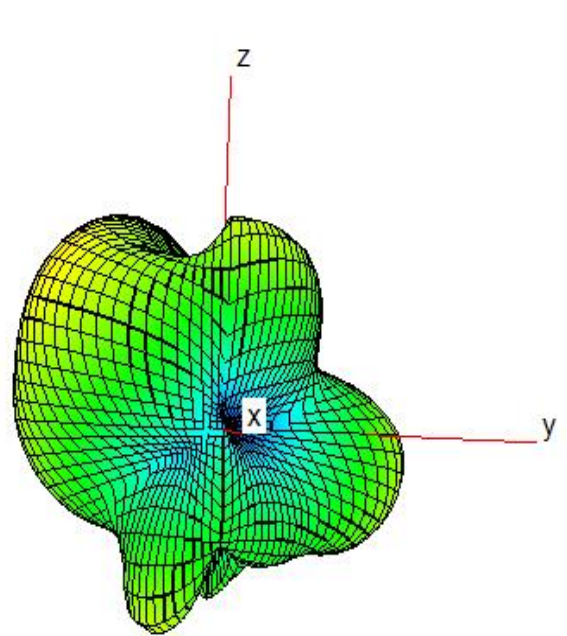
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2-3 3D radiation drawing

2450MHz



5500MHz



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2-4 Active test data

频段 Frequency		参数\信道 Parameter/Channel		1	7	13
11b		TRP (dBm)		14.57	13.73	13.59
		TIS (dBm)		-84.23	-83.13	-80.31
频段 Frequency		参数\信道 Parameter/Channel		1	7	13
11g		TRP (dBm)		15.37	15.0	14.74
		TIS (dBm)		-69.76	-68.50	-66.80
频段 Frequency		参数\信道 Parameter/Channel		1	7	13
11 n		TRP (dBm)		15.45	15.10	14.61
		TIS (dBm)		-65.79	-64.41	-62.35
频段 Frequency	参数\信道 Parameter/Channel	36	64	149	157	165
11a	TRP (dBm)	10.42	10.88	10.68	10.01	10.33
	TIS (dBm)	-68.15	-66.99	-66.24	-65.19	-66.46



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3. Mechanical Specification

