

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A0)

CUSTOMER	Anker
CS P/N	A3947C
PART NAME	BT-L Antenna
FREQUENCY	2400~2500MHz
CUS NO.	
ZTX NO.	2.00006626
DATE	2024/6/24

CUSTOMER			
QA CHECKED	ME CHECKED	RF CHECKED	MANAGER CHECKED

Remark:

Sign:

Shenzhen ZTX Communication Technology Co., Ltd				
MANAGER CHECKED	MANAGER CHECKED	ME CHECKED	RF CHECKED	LISTER
		Liping. Liu	Guangquan. Feng	



Shenzhen ZTX Communication Technology Co., Ltd

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<http://www.chinaztx.com>

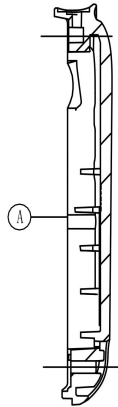
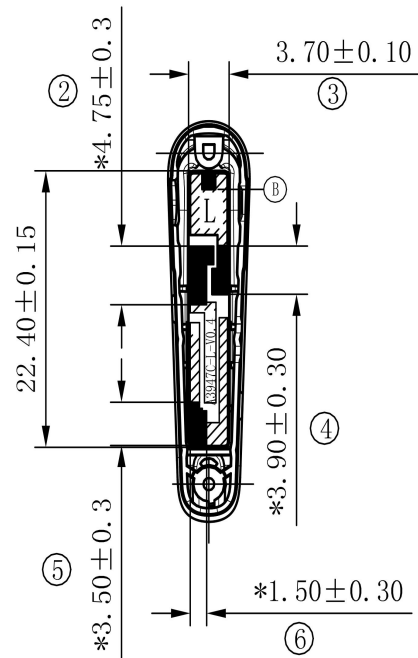
Revision history

Edition	Date	state
A0	2024/6/24	First edition

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Rev 版本	Description 描述	Designed 制图	Date 日期
V1	first issue	Liping.Liu	2024.06.24



Remarks:

- 1: The dimensions marked in the drawing need to check by IQC.
- 2: The cosmetic of the product should not be dirty, burrs, painting defects and others issue.
- 3: The FPC need to assemble on cover housing, FPC don't warped, peel off ,scratch and so on.
- 4: Package: Tray.
- 5: Without the confirmation of ZTX , the material and process requirements can not be changed at will, all materials meet the requirements of Rohs2.0

Component description

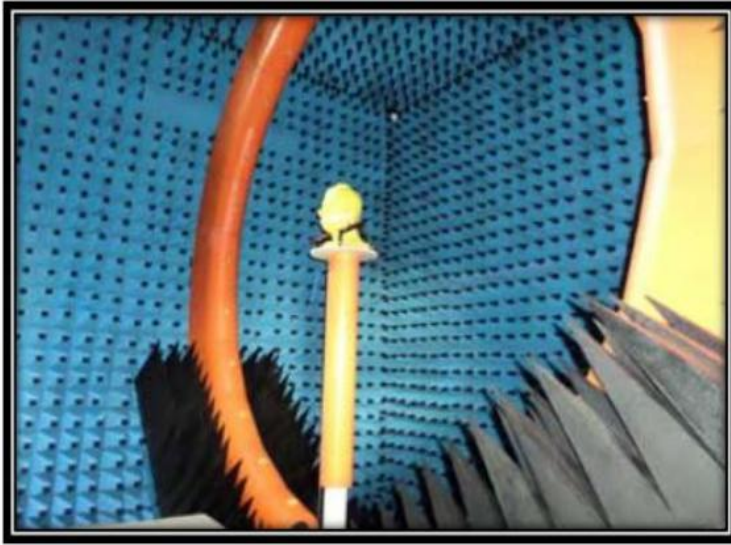
ITEM	PART NAME	MATERIAL	FINISH
①	TOP COVER	PC+ABS	painting
②	BT-L FPC	PI base+CU foil/Black Gold plated $\geq 1.2\mu$	Gold plated

ZTX 深圳市中天迅通信技术有限公司

Shenzhen ZHONGTIANXUN Communication Technology Shares Co.,Ltd

General Tolerance			Date 日期: 2023.06.24	Unit 单位: mm	Rev 版本: V1	Scale 比例: 1:1	Project Name. 项目名称: A3947C
Dim	Grade	A	B	Designed 设计: Liping.Liu		Material 材料:	
5-10		± 0.10	± 0.20	Checked 审核: Guangquan.Feng		Product Name 产品名称: BT-L ANTENNA	
10-20		± 0.15	± 0.30	Approval 批准: Guohua.Zou		Material Code 物料编码: 2.00006626	
20-40		± 0.20	± 0.40	Third Angle 第三视角		Drawing Name. 图纸编号: ZTX-QR-RD-013	
40>		± 0.25	± 0.50				

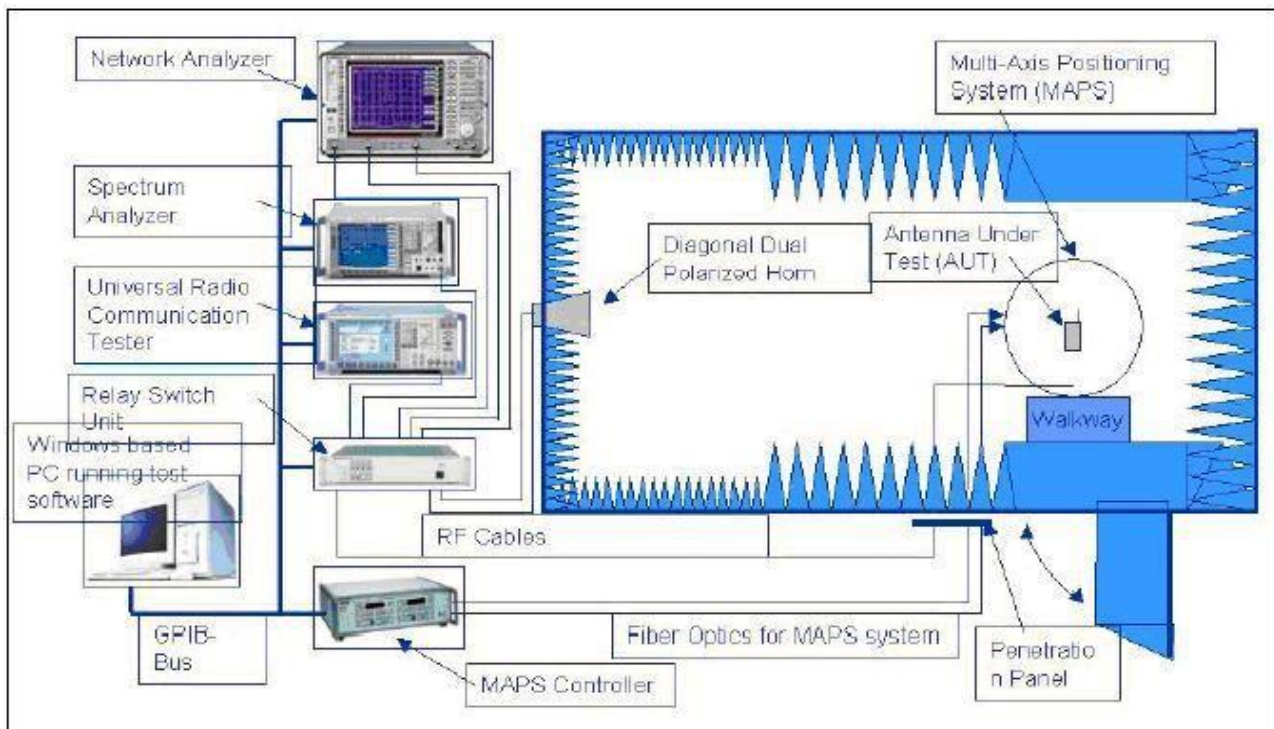
2. Test equipment



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 CTIA standards.

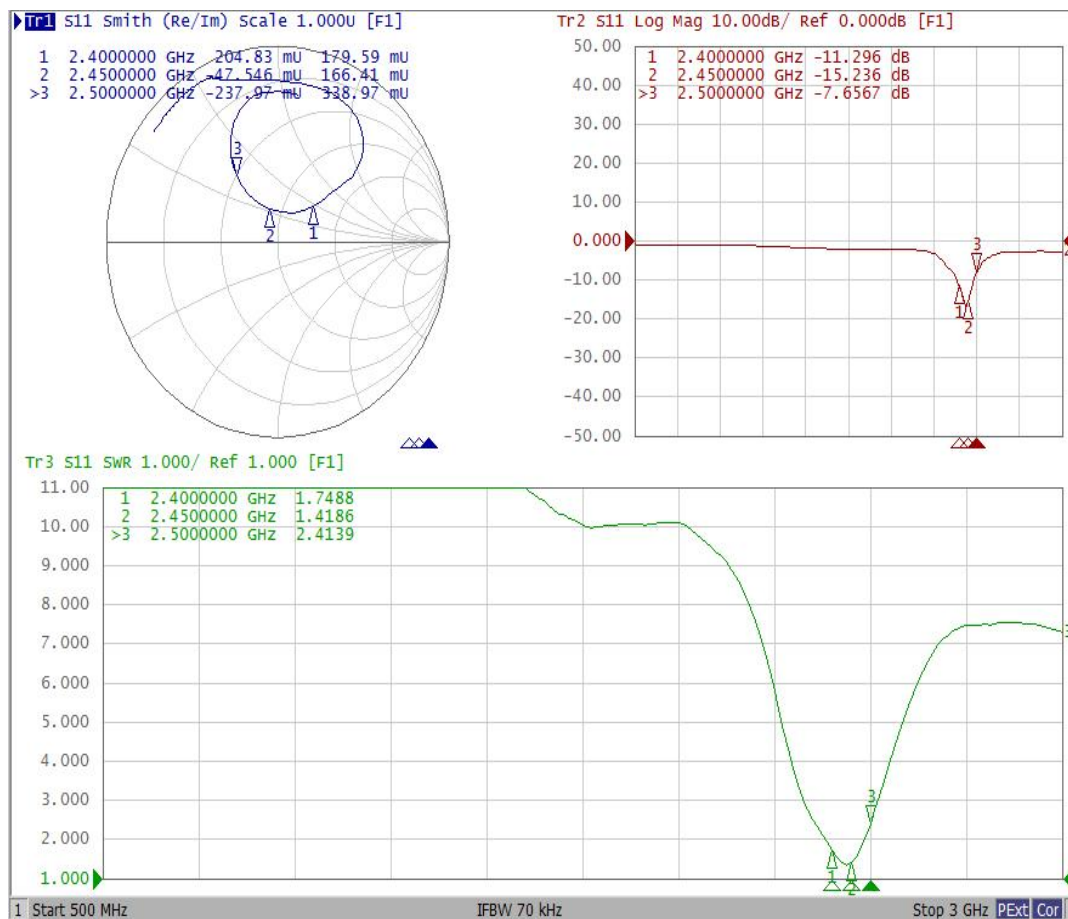
Testing range:

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



3. Test Results Summary

3-1 VSWR



3-2 Active test

free space	chain	TRP	TIS
L	0	4.18	-88.03
	39	4.63	-88.14
	78	4.51	-87.65
The second generation of head model			
chain	TRP	TIS	
L	0	-0.27	-82.69
	39	0.03	-83.82
	78	0.15	-83.49

3-3 Passive test

L

Fre	Effi	Effi . dB	Gain. dBi
2400	23%	-6.42	-2.05
2410	24%	-6.28	-2.04
2420	24%	-6.25	-2.79
2430	24%	-6.23	-2.55
2440	25%	-6.02	-2.39
2450	26%	-5.84	-2.32
2460	25%	-6.17	-2.21
2470	25%	-6.07	-2.38
2480	24%	-6.14	-2.54
2490	24%	-6.29	-2.62
2500	23%	-6.29	-2.66

head model

Fre	Effi	Effi . dB	Gain. dBi
2400	7%	-11.79	-5.90
2410	7%	-11.59	-5.64
2420	8%	-11.24	-5.26
2430	8%	-11.05	-5.08
2440	8%	-10.84	-4.88
2450	8%	-10.72	-4.76
2460	9%	-10.58	-4.49
2470	9%	-10.53	-4.32
2480	9%	-10.49	-4.25
2490	9%	-10.54	-4.21
2500	9%	-10.61	-4.28

3-4 2D/3D Radiation Pattern Results

