



深圳市安威无线科技有限公司

行业领先的一站式通信射频天线解决方案制造商

TAB-8US2 Antenna test Report

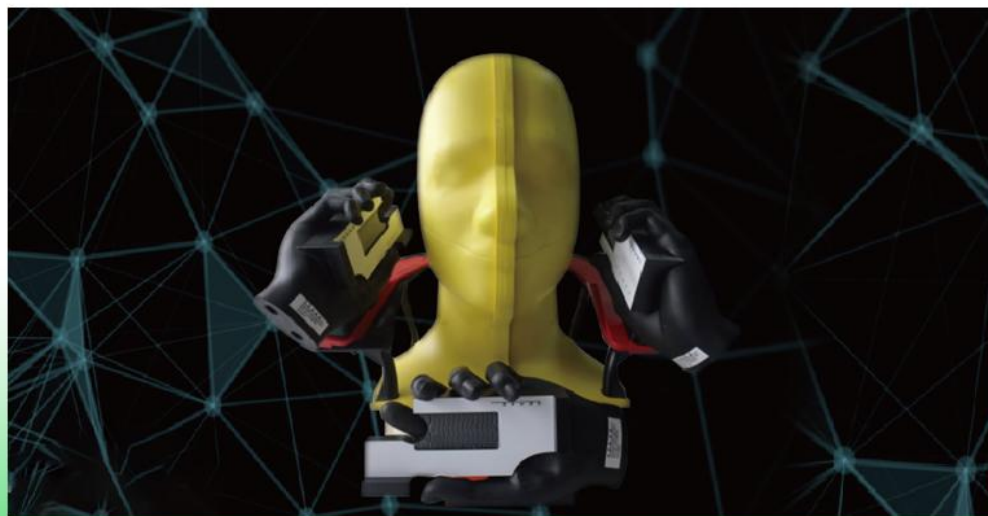
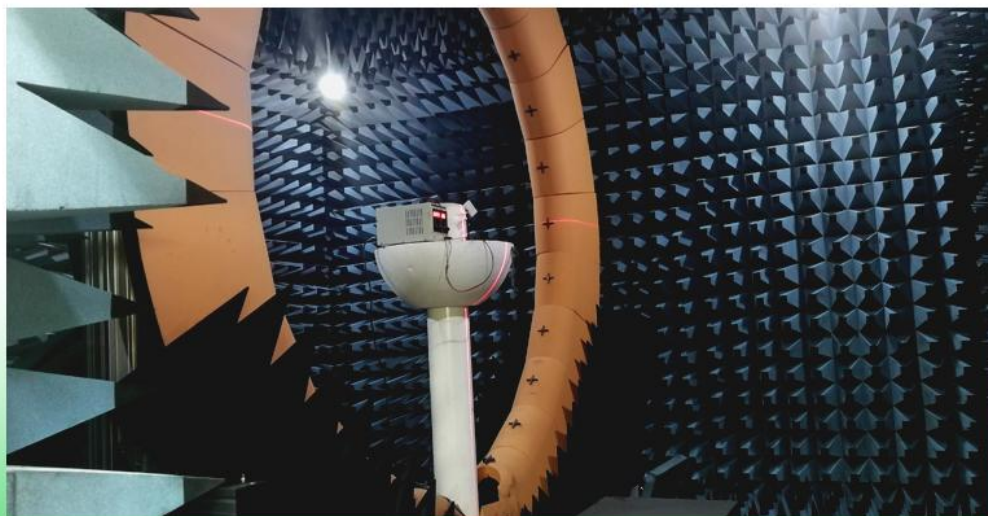
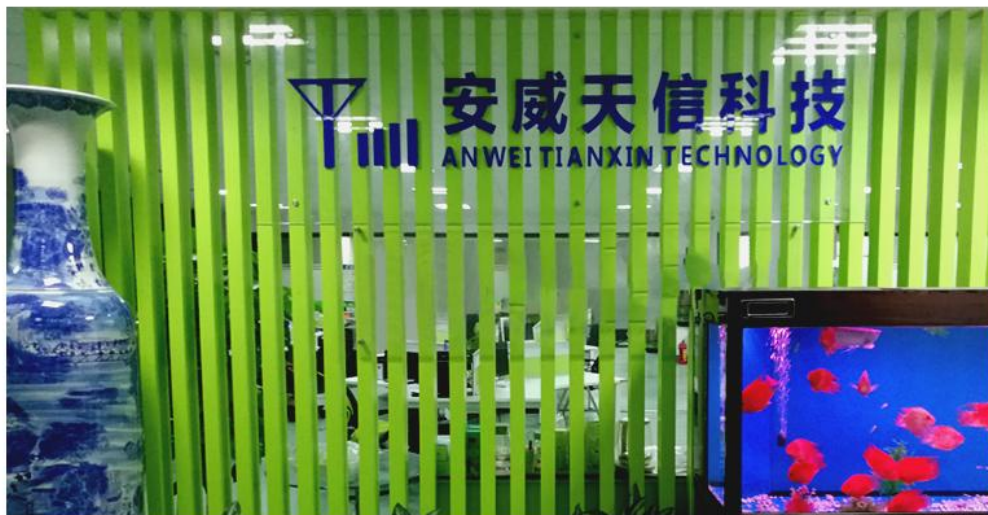
Report version: 20220808 V9

Time: 2022.08.08

携手共进 共创未来

 Introduction to Project Commissioning

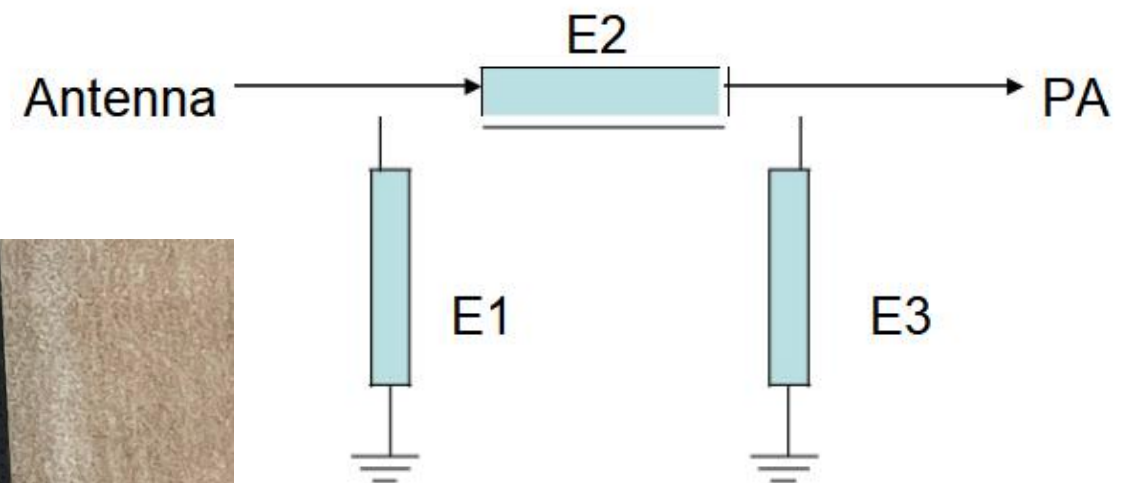
板型	Tablet						
Antenna profile	Main antenna	Band		Antenna status	Antenna type	Antenna area	Modify
		2G	GSM-B2/3/5/8	FPC antenna	PIFA	Bottom of the device	No
		3G	WCDMA-B2/4/5				
		4G	LTE-B2/4/5/12/66				
		5G	N/A				
	Other antenna	BT/WIFI	2. 4G/5GHZ	FPC antenna	PIFA	Top of the device	No
		GPS	1575. 42MHz				No
		分集	LTE-B2/4/66	FPC antenna	PIFA	Top of the device	No
Sample status	Trial production		environmental enrichment	11			



安威无线一直都是您值得信赖且优秀的合作伙伴，我们为您提供全方位一站式的产品以及技术服务！

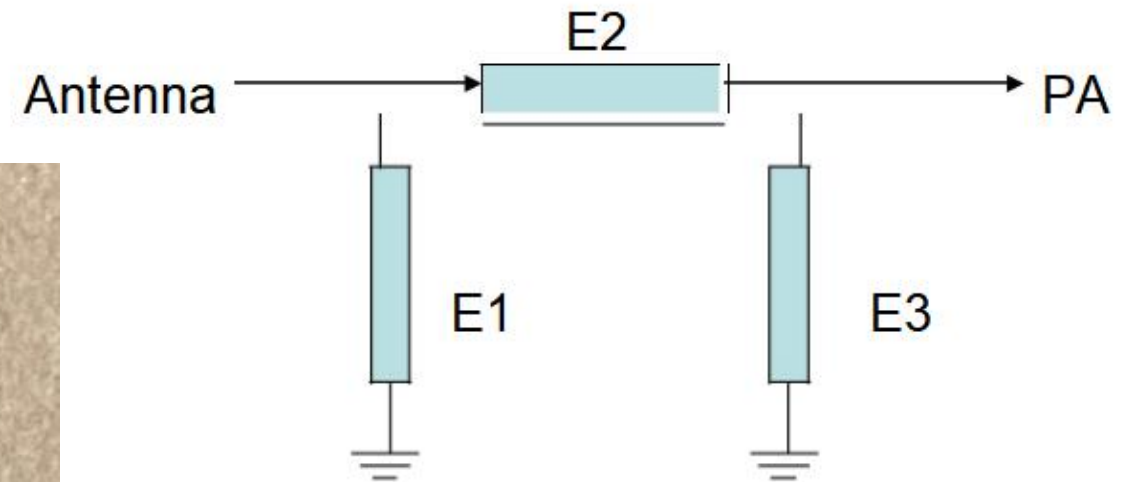
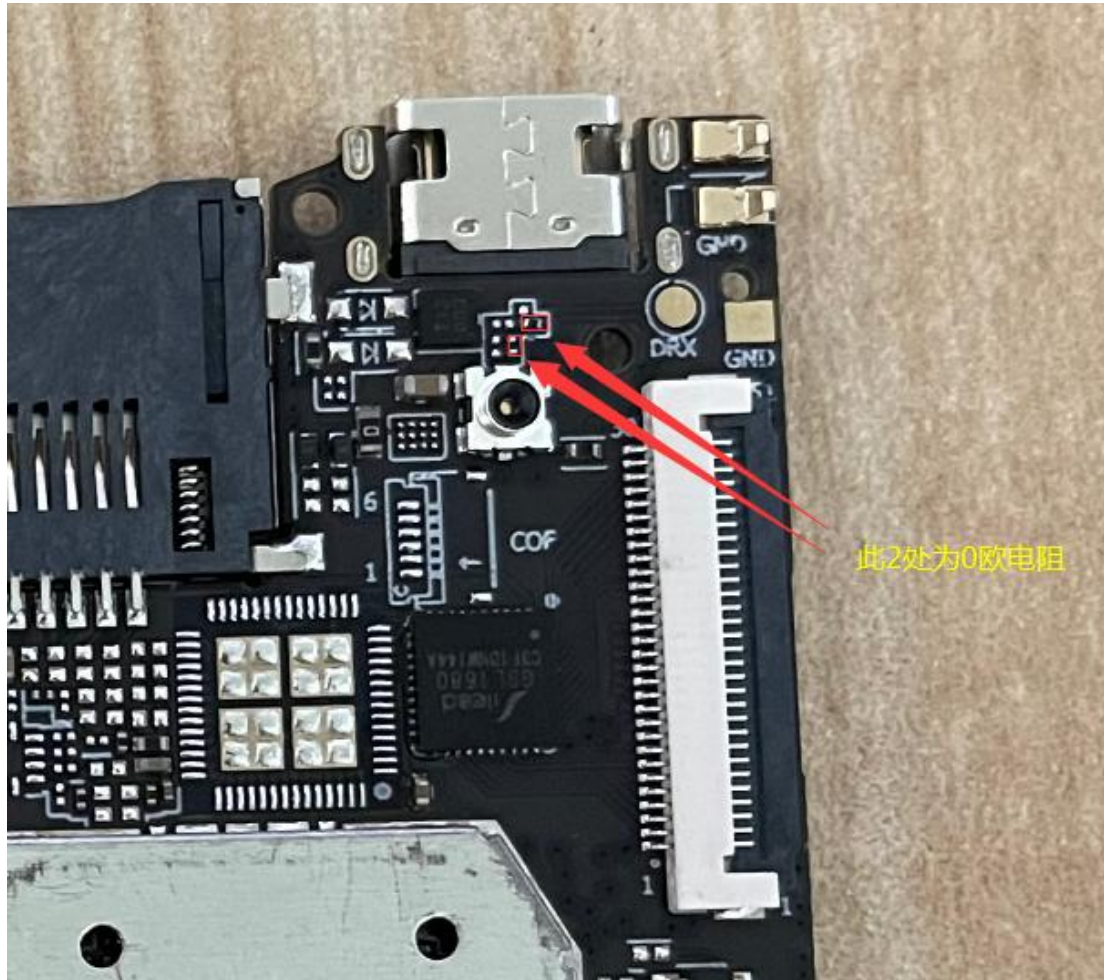
“质量第一，服务至上”是安威一直以来的发展宗旨

Main antenna circuit

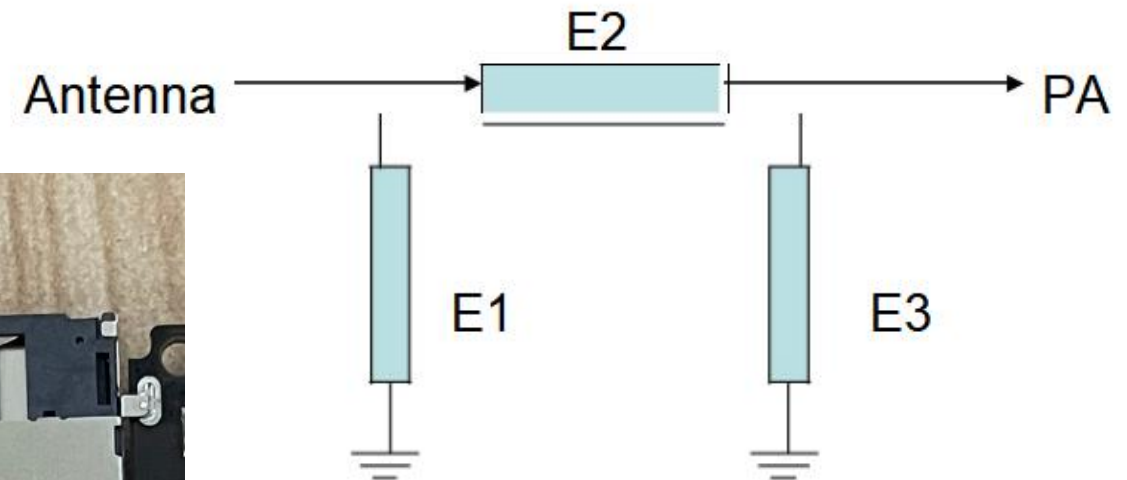
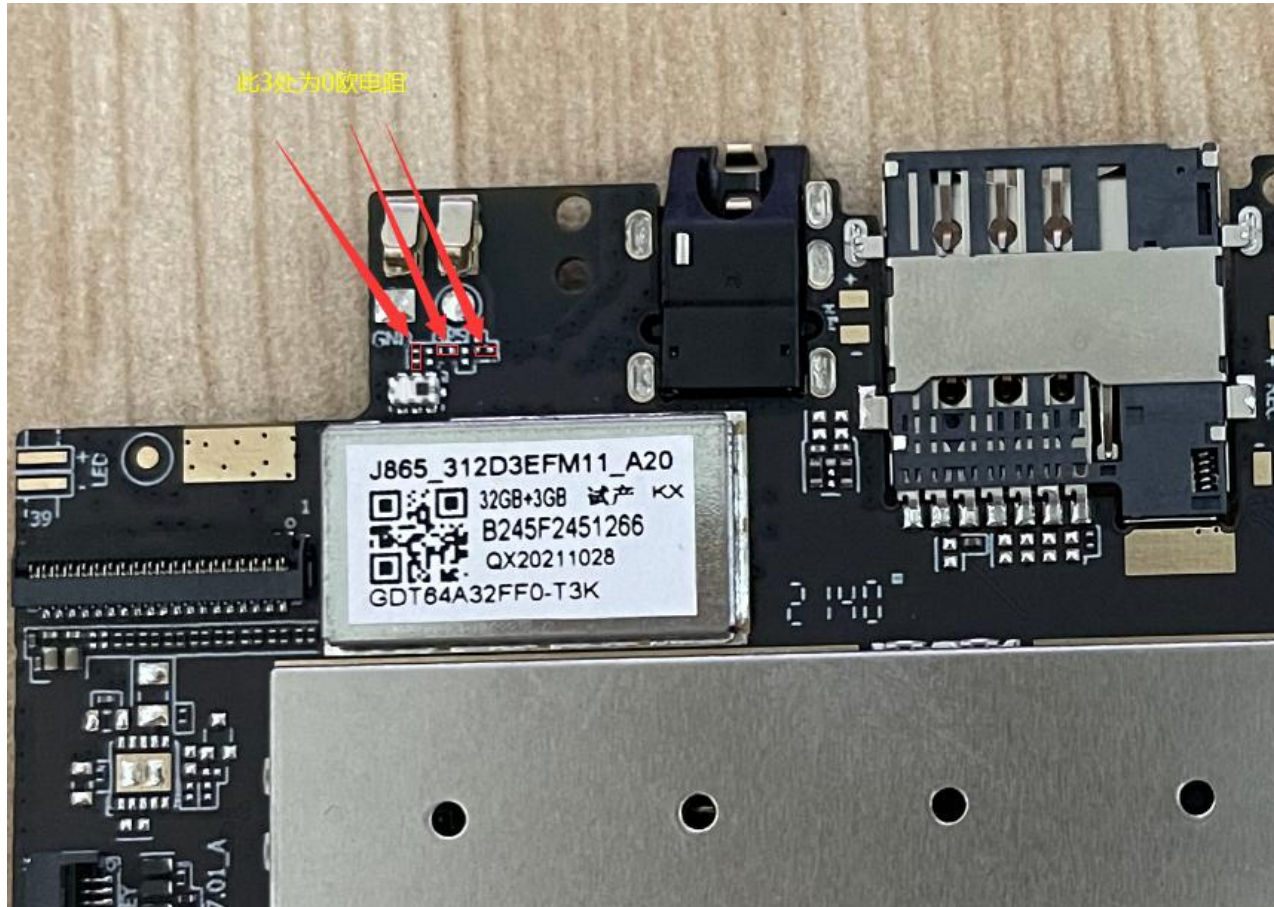


Element	Value
E1	N/A
E2	0欧
E3	N/A

Diversity antenna circuits



Element	Value
E1	N/A
E2	0欧
E3	N/A
E4	0欧



Element	Value
E1	N/A
E2	0欧
E3	N/A
E4	0欧
E5	N/A

GPS/WIFI/BT Antenna gain report

频段	frequency 频率(MHz)	gain 增益(dBi)	efficiency 效率(%)
GPS	1575	2.24	40.55
2.4G WIFI/BT	2460	0.15	24.89
5G WIFI	5400	2.14	31.06

Main Antenna gain report

频段	frequency 频率(MHz)	gain 增益(dBi)	efficiency 效率(%)
LTE-B12	720	-2.44	25.47
GSM850,WCDMA-B5,LTE-B5,	820	-0.2	26.54
GSM900	900	-1.6	17.05
DCS1800	1700	1.84	31.56
PCS1900,WCDMA-B2,LTE-B2	1860	0.87	39.07
WCDMA-B4,LTE-B4/B66	1710	1.7	30.52

Main antenna efficiency

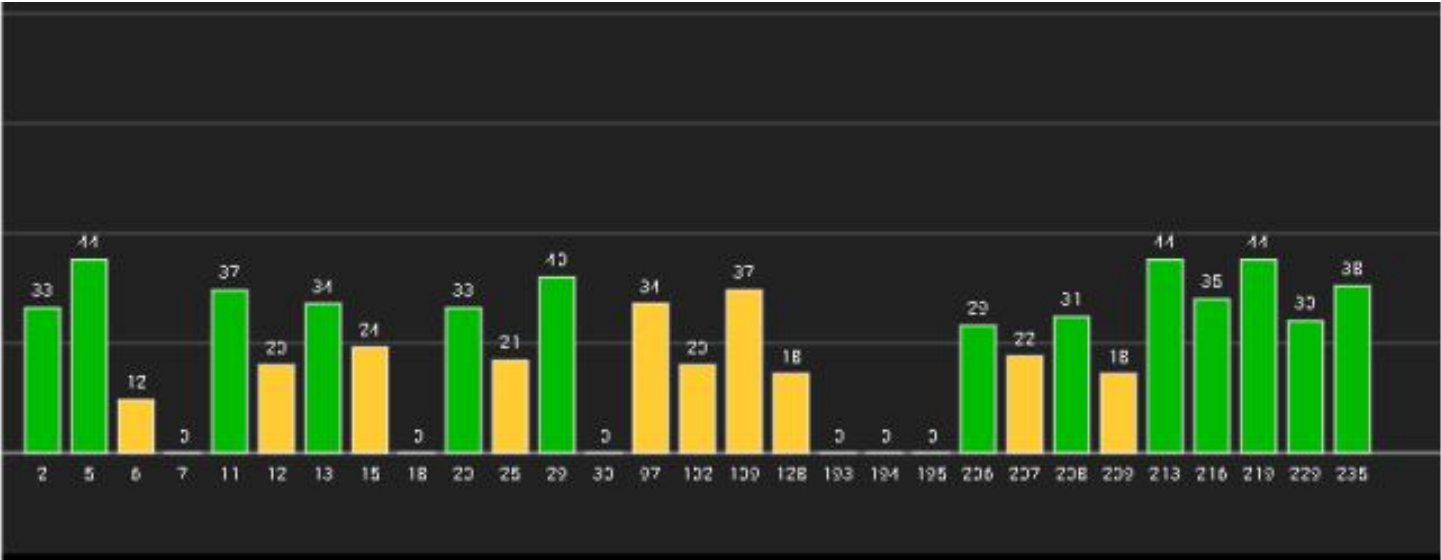
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GPS test results

GPS test results

Test Item	Test results
satellites found	23
In use satellites	13
Maximum SNR	44
SNR $\geq$ 40 satellites	4
Start positioning time	60S

Test result:ok.



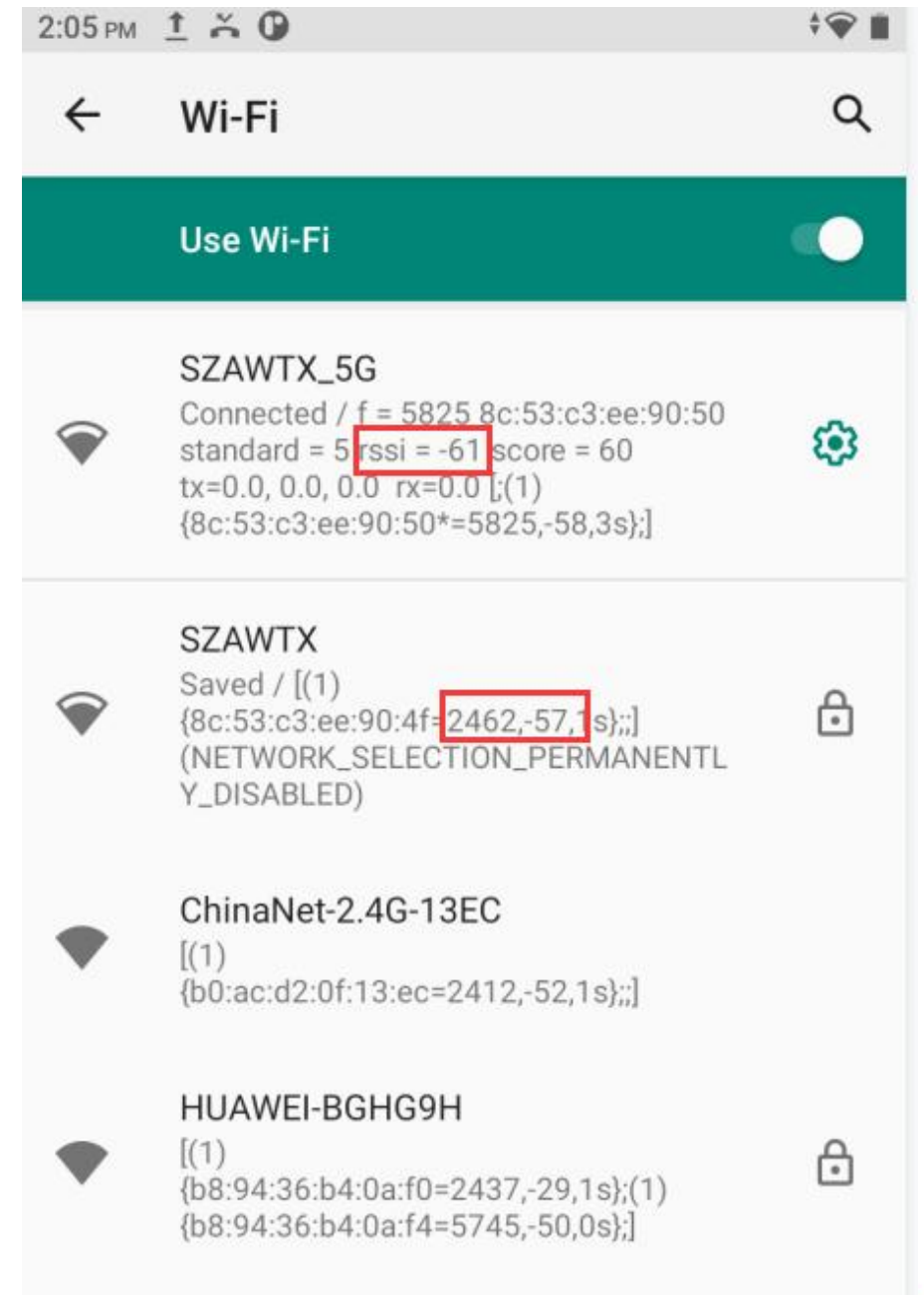
WIFI test result

 WIFI Antenna actual effect test:

1. 2.4G WIFI The test distance is about 15 meters separated by a glass door, and the signal strength is -57dB.

2. 5G WIFI The test distance is about 15 meters, and the signal strength is -61 dB.

Test result: Performance is OK

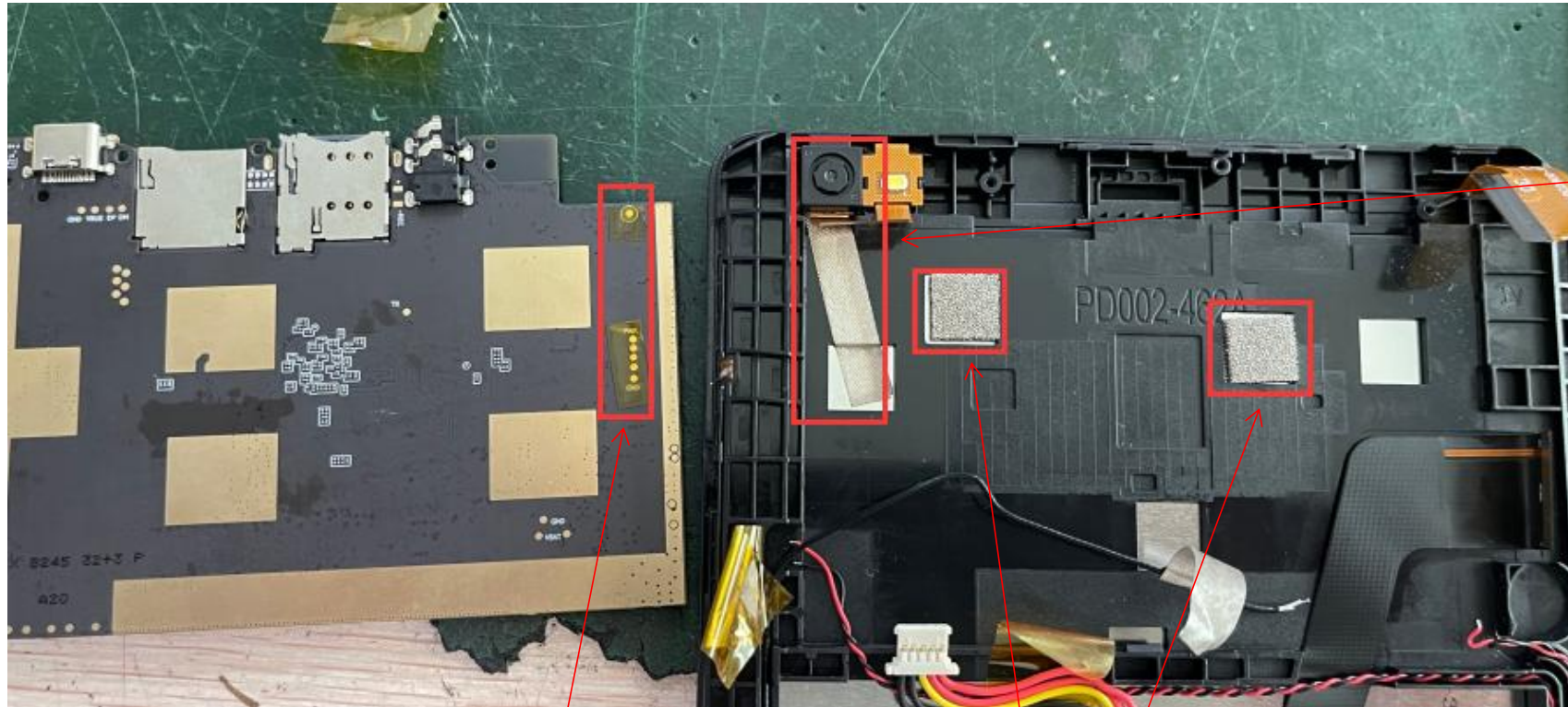


Environmental enrichment



如图所示：屏FPC排线上面红色框内正反面贴上导电布屏蔽接地处理（正反面导电布做成一整块），原处理未拆屏。

environmental enrichment

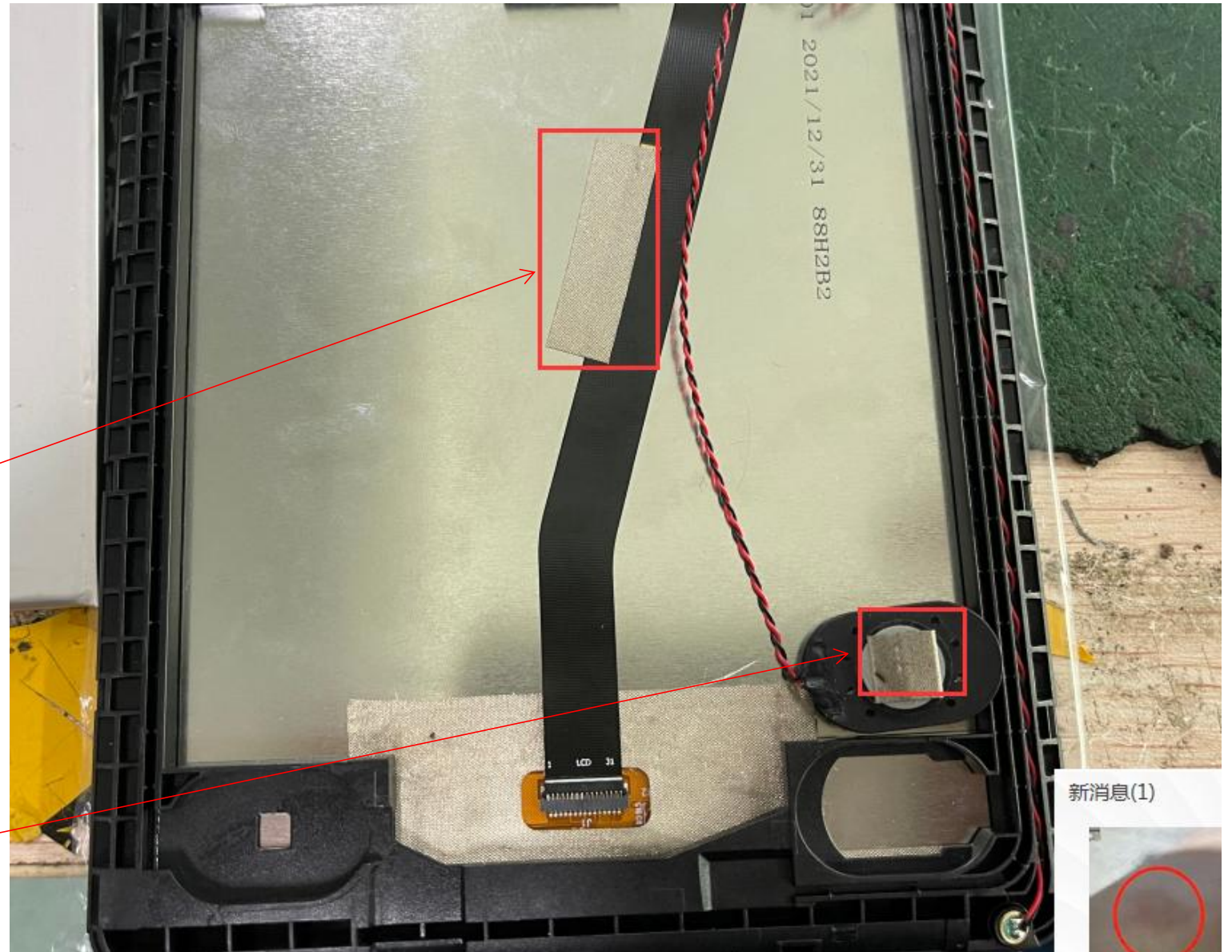


如图所示：此处贴上导电布与摄像头良好接地处理。

如图所示：此处贴上高温绝缘胶防短路。

如图所示：此2处贴上导电泡绵良好接地处理。

environmental enrichment



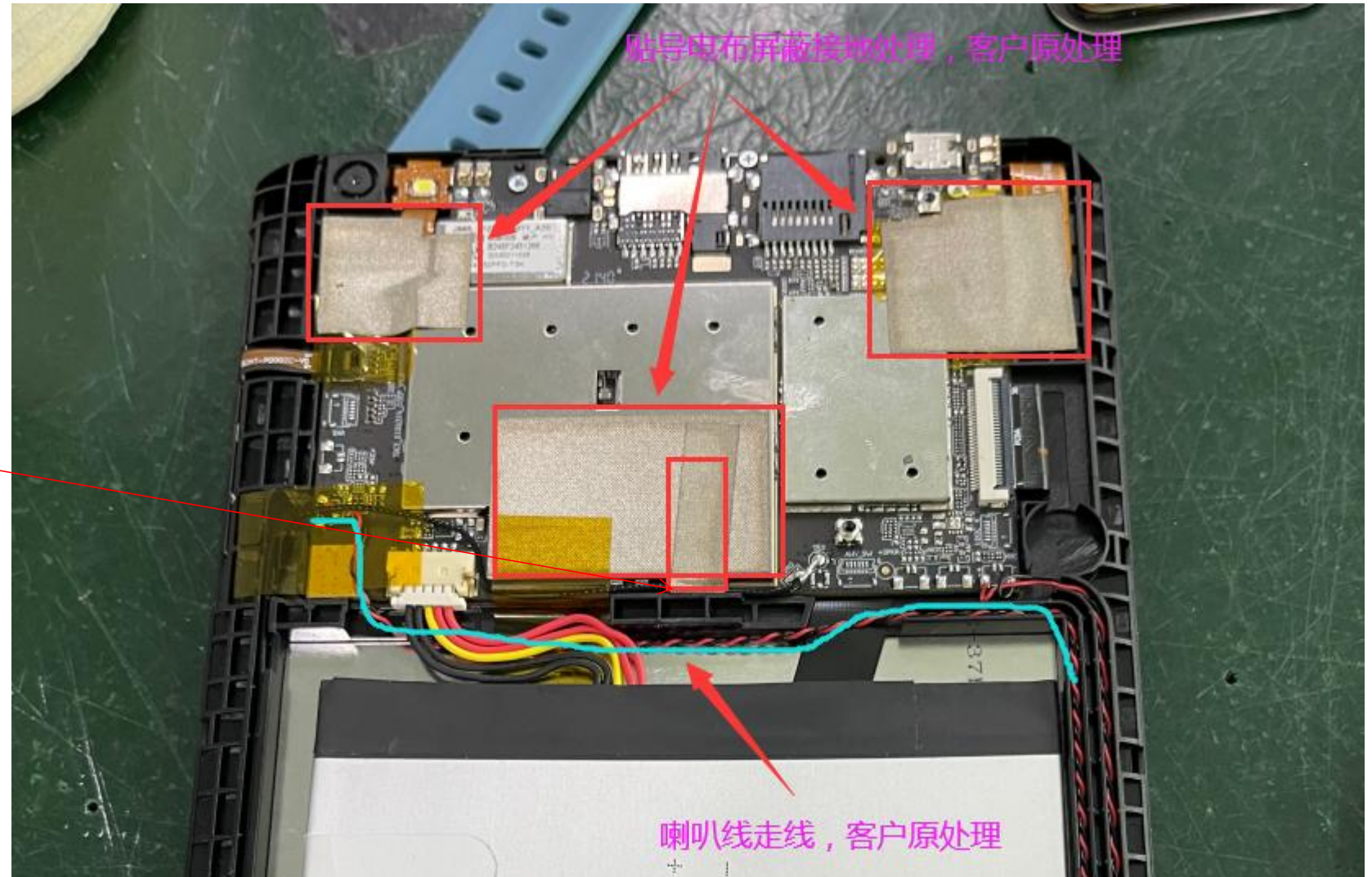
如图所示：此处贴上导电布接地处理。

如图所示：喇叭此处贴上导电海绵良好接地处理。

新消息(1)

environmental enrichment

如图所示：铜轴线红色框内剥皮接地处理，提升天线性能接收灵敏度。





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The End

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