



深圳顺达成科技有限公司

Shenzhen Shunda Technology Co., Ltd

Antenna Test Report



客户名称：明致

项目名称：C30

频段：WIFI2.4G/BT/GPS

版本：A

制作日期：2024-6-5



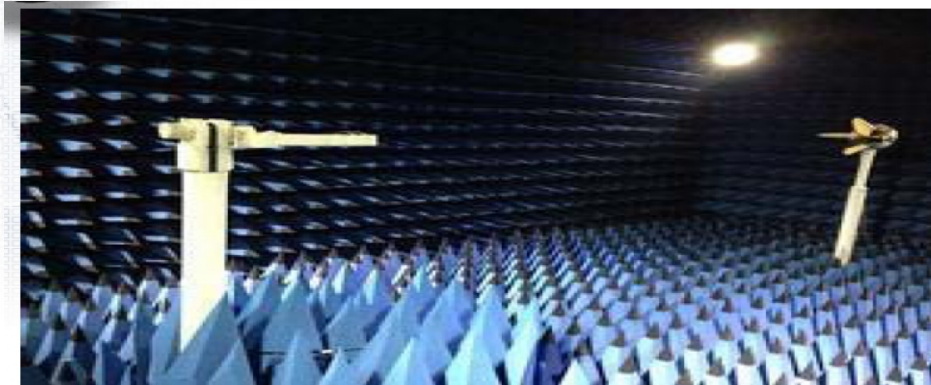
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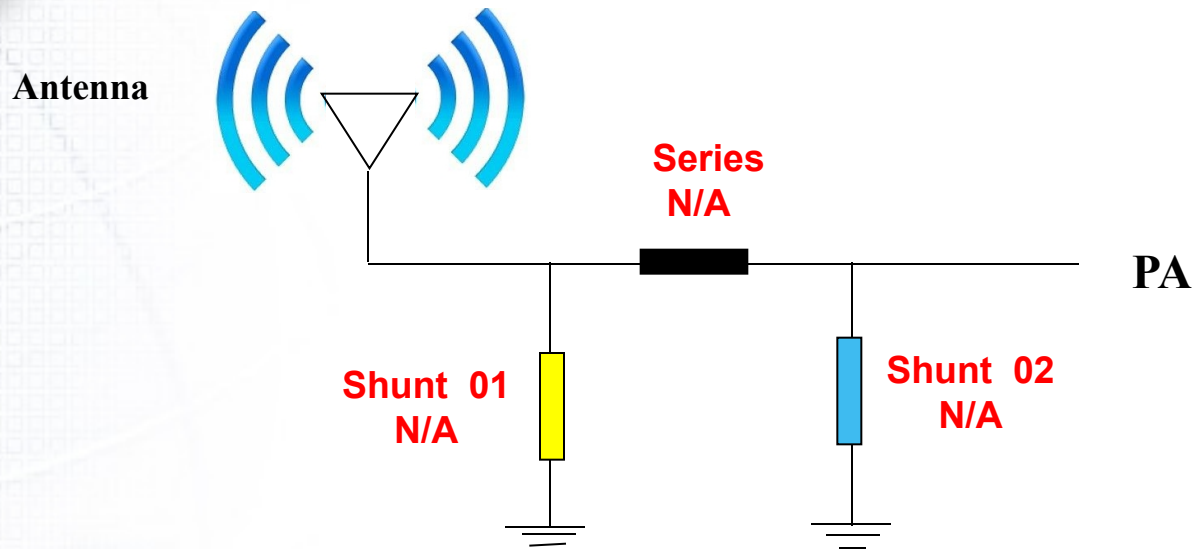
1. Test system

Sequence Number	Test Item	equipment
S parameter	VSWR	Agilent 5071C & Agilent 5062A
OTA Test	TRP&TIS	Agilent 8960 E5515C& Agilent 4438C&CMW500 &CMW2 ETS&SATIMO
Gain & Efficiency	Gain & Efficiency	ETS&SATIMO Agilent 5071C





2. Antenna Matching Network



Location	Description	Vendor
Shunt 01	N/A	N/A
Series	N/A	N/A
Shunt 02	N/A	N/A

未改动主板
匹配电路



增益&效率

Frequency (MHz)	Efficiency (%)	Peak GAIN (dBi)
1561	46.32	1.36
1575	45.78	1.72
2400	48.41	1.74
2450	48.3	1.53
2500	49.75	1.51
5150	48.63	1.68
5350	48.14	1.72
5550	49.52	1.73
5850	49.11	1.85



WIFI OTA Data

2.4G WIFI	TRP			TIS		
Channel	CH1	CH6	CH12	CH1	CH6	CH12
802.11 b , 11M	14.06	15.29	15.27	-82.33	-83.04	-83.59
802.11 g , 54M	13.18	13.02	13.56	-70.15	-71.75	-71.72
802.11 n , MCS7 (65M)	14.22	13.38	13.61	-68.26	-69.29	-69.53

5.8G WIFI	TRP			TIS		
Channel	CH36	CH60	CH165	CH36	CH161	CH165
802.11 A , 54M	11.61	11.22	11.08	-72.31	-72.25	-72.06
802.11 n , MCS7 (65M)	11.09	10.56	10.11	-70.45	-70.33	-70.59

GPS实测图

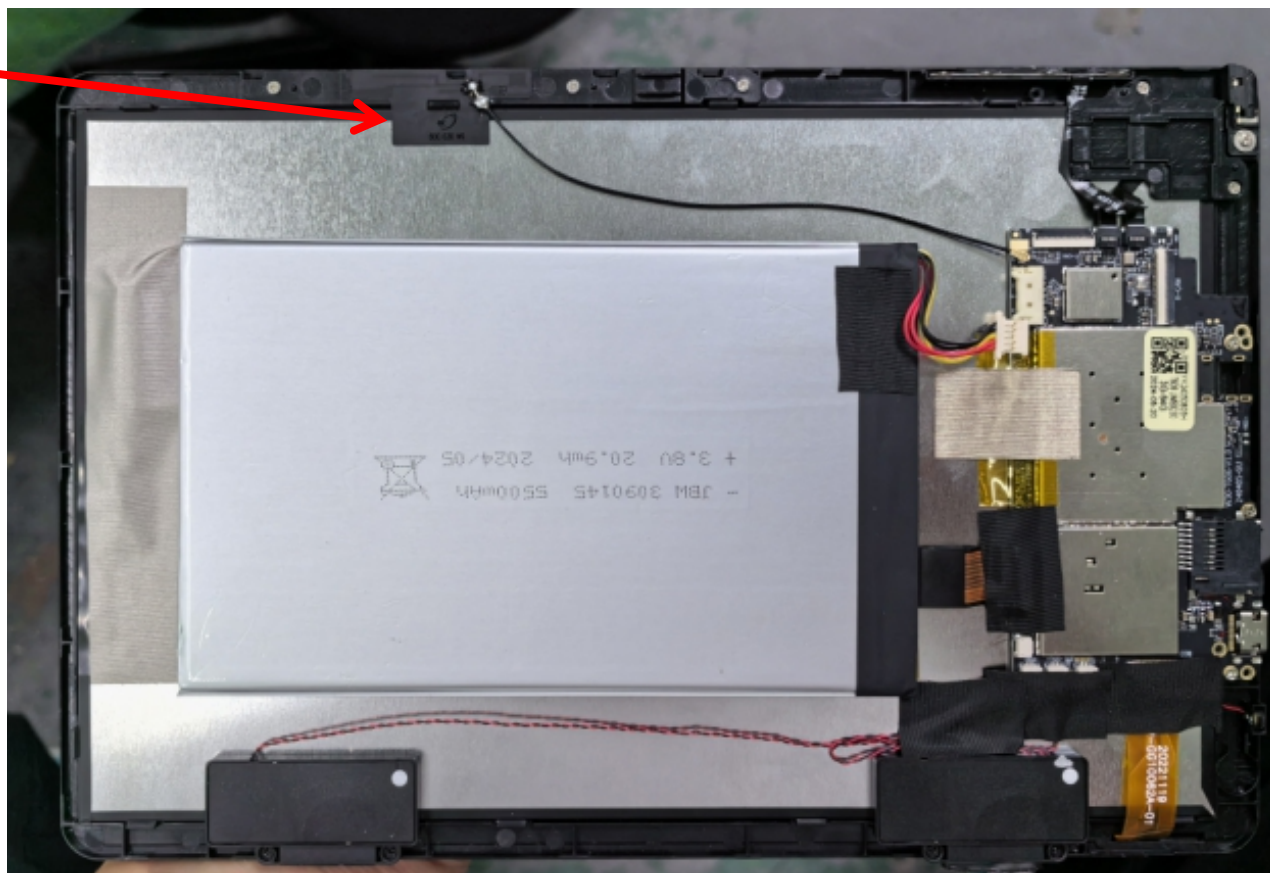


5楼天台实测定位时间大约45秒左右，最大星值5颗40左右

天线安装位置图



WIFI&GPS
天线



整机保持原有接地状态无改动



深圳顺达成科技有限公司

Shenzhen Shunda Technology Co., Ltd

顺达成感谢您的支持

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