

Antena Test Report



顺达成科技



专业的4G/3G/GPS/WIFI等天线方案设计及供应商

客户名称： 秋雨

项目名称： KT802

频段： WIFI2.4G/5.8G/BT

版本： A

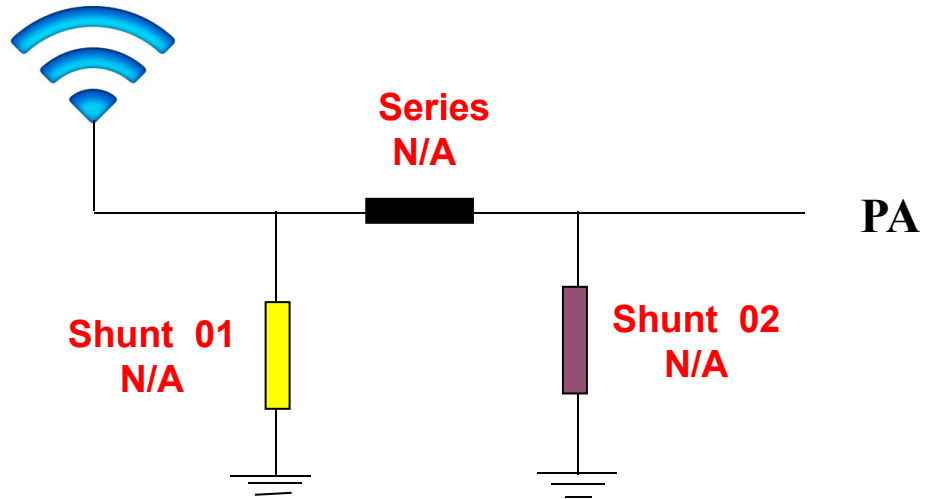
制作日期： 2023-12-11



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Antenna



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

S11 SWR /Smith/ Log Mag--WIFI1

1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

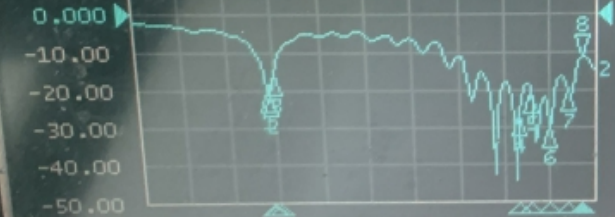
► Tr1 S11 Smith (R+jX) Scale 1.000U [F1]

1	2.4000000	GHz	48.649 Ω	-9.9825 Ω	6.6431 pF
2	2.4500000	GHz	53.700 Ω	-8.3482 Ω	7.7815 pF
3	2.5000000	GHz	57.591 Ω	-16.988 Ω	3.7475 pF
4	5.1500000	GHz	54.509 Ω	1.7227 Ω	53.239 pF
5	5.3000000	GHz	60.401 Ω	-93.516 m Ω	521.13 pF
6	5.5000000	GHz	51.337 Ω	2.8927 Ω	83.307 pF
7	5.7000000	GHz	41.594 Ω	-3.3635 Ω	8.2523 pF
>8	5.8500000	GHz	61.802 Ω	29.971 Ω	814.57 pF



Tr2 S11 Log Mag 10.00dB/ Ref 0.000dB [F1]

1	2.4000000	GHz	-19.863 dB
2	2.4500000	GHz	-21.133 dB
3	2.5000000	GHz	-15.349 dB
4	5.1500000	GHz	-26.711 dB
5	5.3000000	GHz	-20.518 dB
6	5.5000000	GHz	-30.052 dB
7	5.7000000	GHz	-20.099 dB
>8	5.8500000	GHz	-11.117 dB



Tr3 S11 SWR 1.000/ Ref 1.000 [F1]

1	2.4000000	GHz	1.2262
2	2.4500000	GHz	1.1924
3	2.5000000	GHz	1.4120
4	5.1500000	GHz	1.0968
5	5.3000000	GHz	1.2080
6	5.5000000	GHz	1.0649
7	5.7000000	GHz	1.2194
>8	5.8500000	GHz	1.7703



频率 (MHZ)	2400	2450	2500	5150	5300	5500	5700	5850
驻波比	1.22	1.19	1.41	1.09	1.2	1.06	1.21	1.77

频率 (MHZ)	2400	2450	2500	5150	5300	5500	5700	5850
阻抗	48.6 Ω	53.7 Ω	57.5 Ω	54.5 Ω	60.4 Ω	51.3 Ω	41.5 Ω	61.8 Ω

频率 (MHZ)	2400	2450	2500	5150	5300	5500	5700	5850
回损	-19.8	-21.1	-15.3	-26.7	-20.5	-30	-20	-11.1

Gain & Efficiency



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Frequency (MHz)	Efficiency (%)	Peak GAIN (dBi)
2400	43.62	1.16
2450	44.21	1.31
2500	43.29	1.22
5150	43.28	1.25
5350	44.62	1.38
5550	45.51	1.33
5850	45.62	1.37

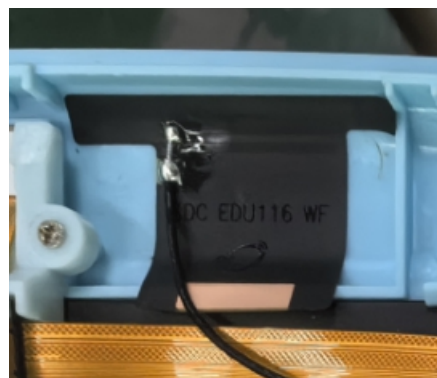


WIFI OTA Data

2.4G	802.11b, (2.4G) 11M		
Channel	CH1	CH6	CH11
TRP	13.27	13.56	13.41
TIS	-79.35	-78.46	-79.38

5G	802.11a, 54M		
Channel	CH36	CH60	CH161
TRP	10.63	10.71	10.14
TIS	-69.54	-69.86	-69.73

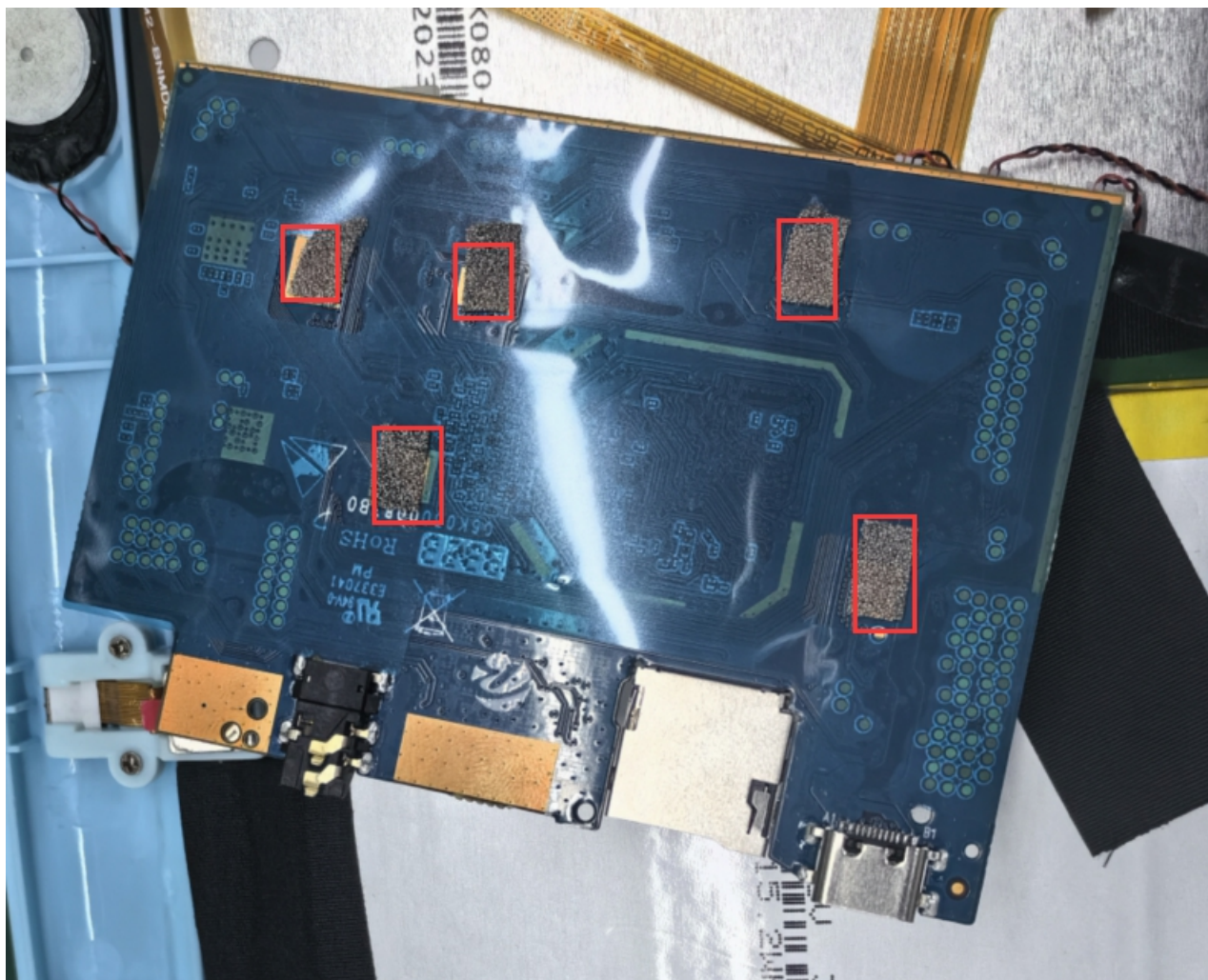
天线安装位置图



WIFI天线



环境处理



主板漏铜区域贴导电海绵跟屏接地



Thanks