

Antena Test Report



专业的4G/3G/GPS/WIFI等天线方案设计及供应商

客户名称： 芯图

项目名称： Q2707

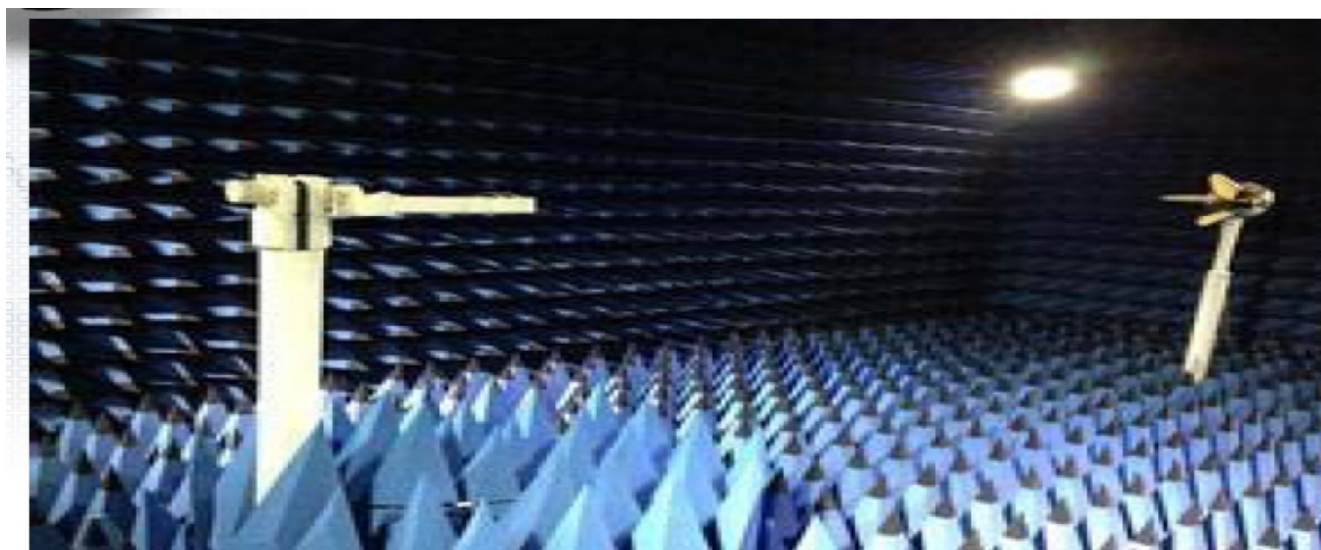
频段： WIFI2.4G/5.8G/BT

版本： A

制作日期： 2024-4-22

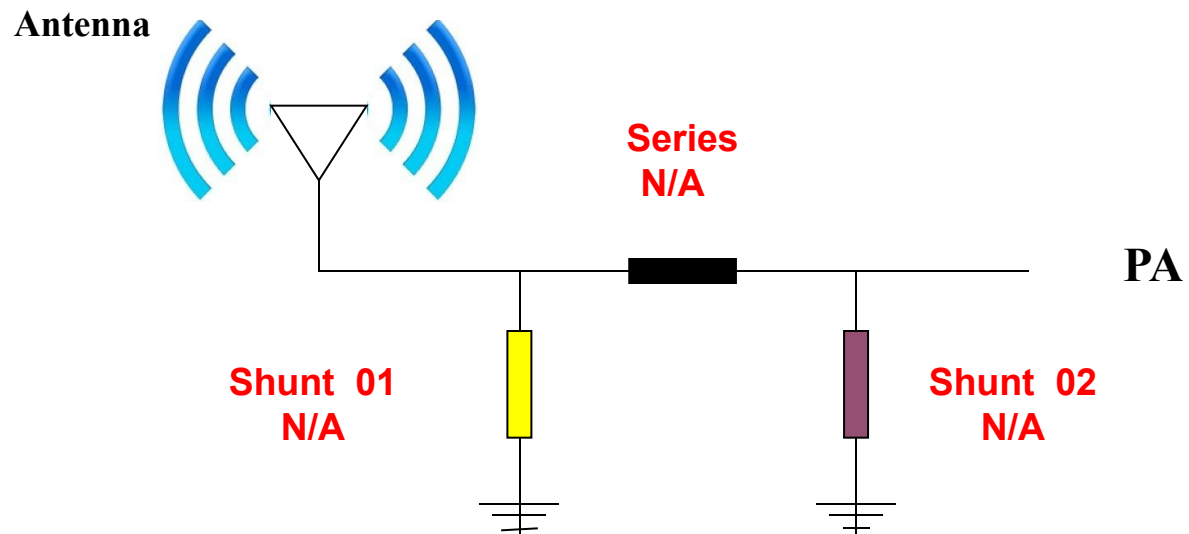
Test system

Sequence Number	Test Item	equipment
S parameter	VSWR	Agilent 5071C & Agilent 5062A
OTA Test	TRP&TIS	Agilent 8960 E5515C& Agilent 4438C&CMW500 &CMW270 ETS&SATIMO
Gain & Efficiency	Gain & Efficiency	ETS&SATIMO Agilent 5071C



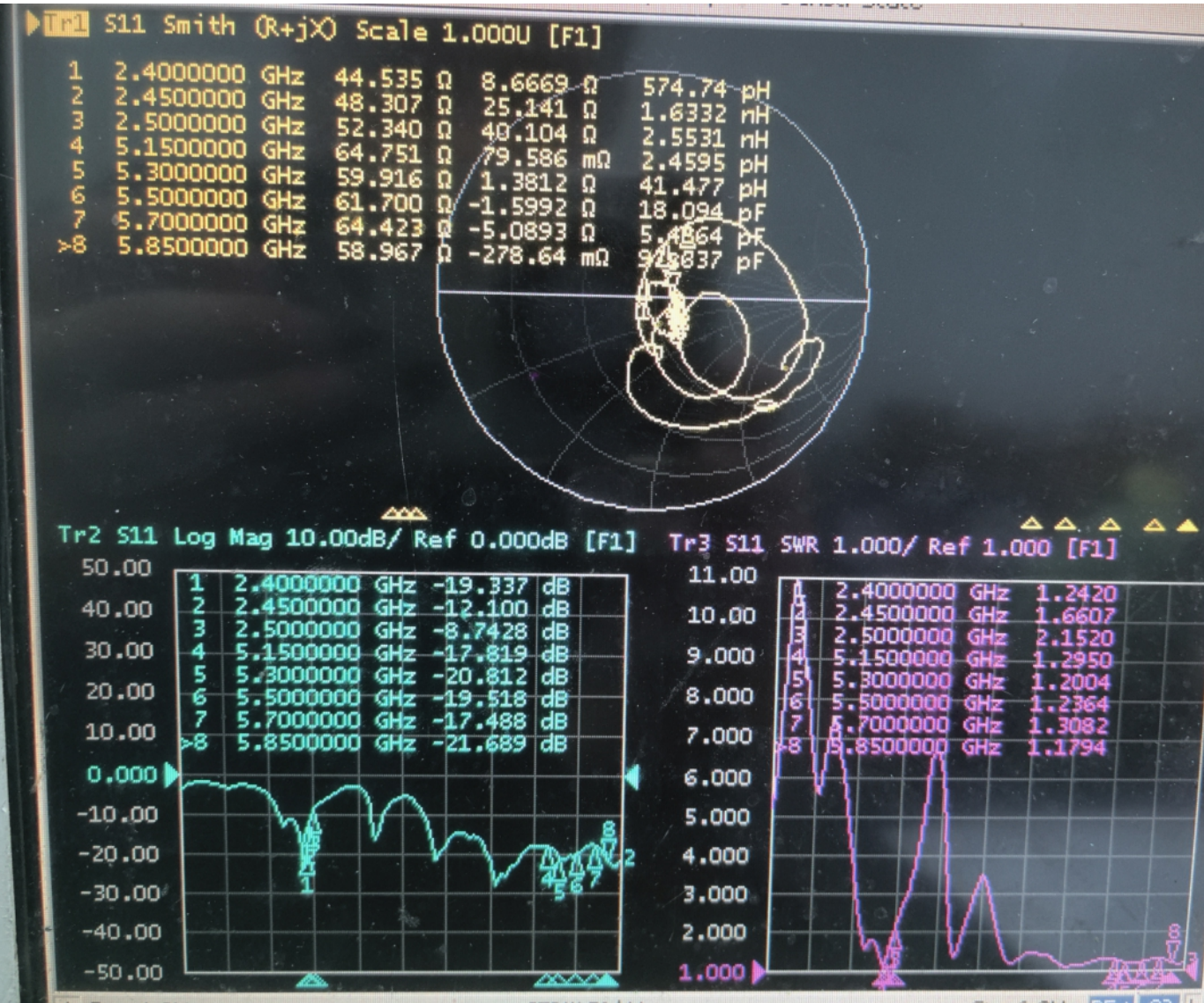
主板电路无修改

Antenna Matching Network



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

S11 SWR /Smith/ Log Mag



频率 (MHZ)	2400	2450	2500	5150	5300	5500	5700	5850
驻波比	1.24	1.66	1.15	1.29	1.2	1.23	1.38	1.17

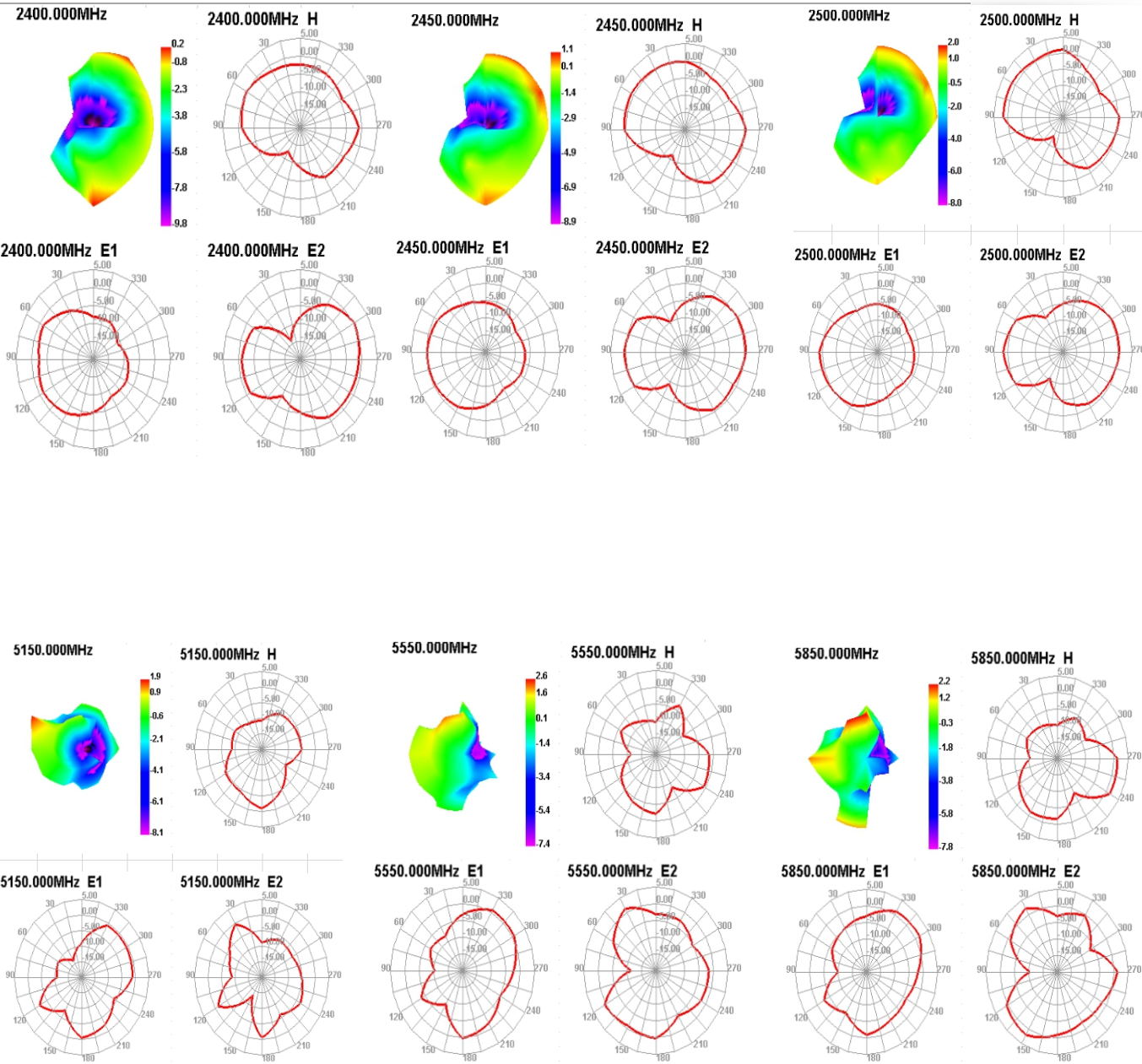
频率 (MHZ)	2400	2450	2500	5150	5300	5500	5700	5850
阻抗	44.5 Ω	48.3 Ω	52.3 Ω	64.7 Ω	59.9 Ω	61.7 Ω	64.4 Ω	58.9 Ω

频率 (MHZ)	2400	2450	2500	5150	5300	5500	5700	5850
回损	-19.3	-12.1	-8.7	-17.8	-20.8	-19.5	-17.4	-21.6



效率&增益

Frequency (MHz)	Efficiency (%)	Peak GAIN (dBi)
2400	43.92	1.65
2450	44.94	1.52
2500	43.32	1.48
5150	41.41	1.91
5350	42.8	2.64
5550	45.43	2.58
5750	46.92	2.09
5850	45.7	2.17

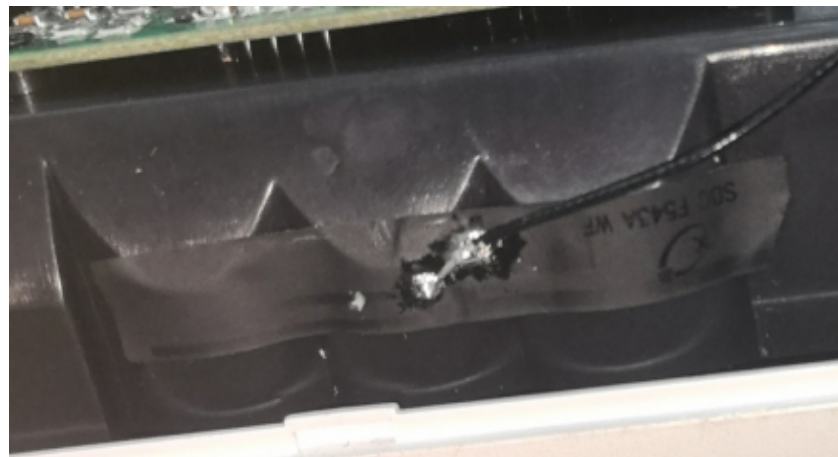


WIFI OTA Data

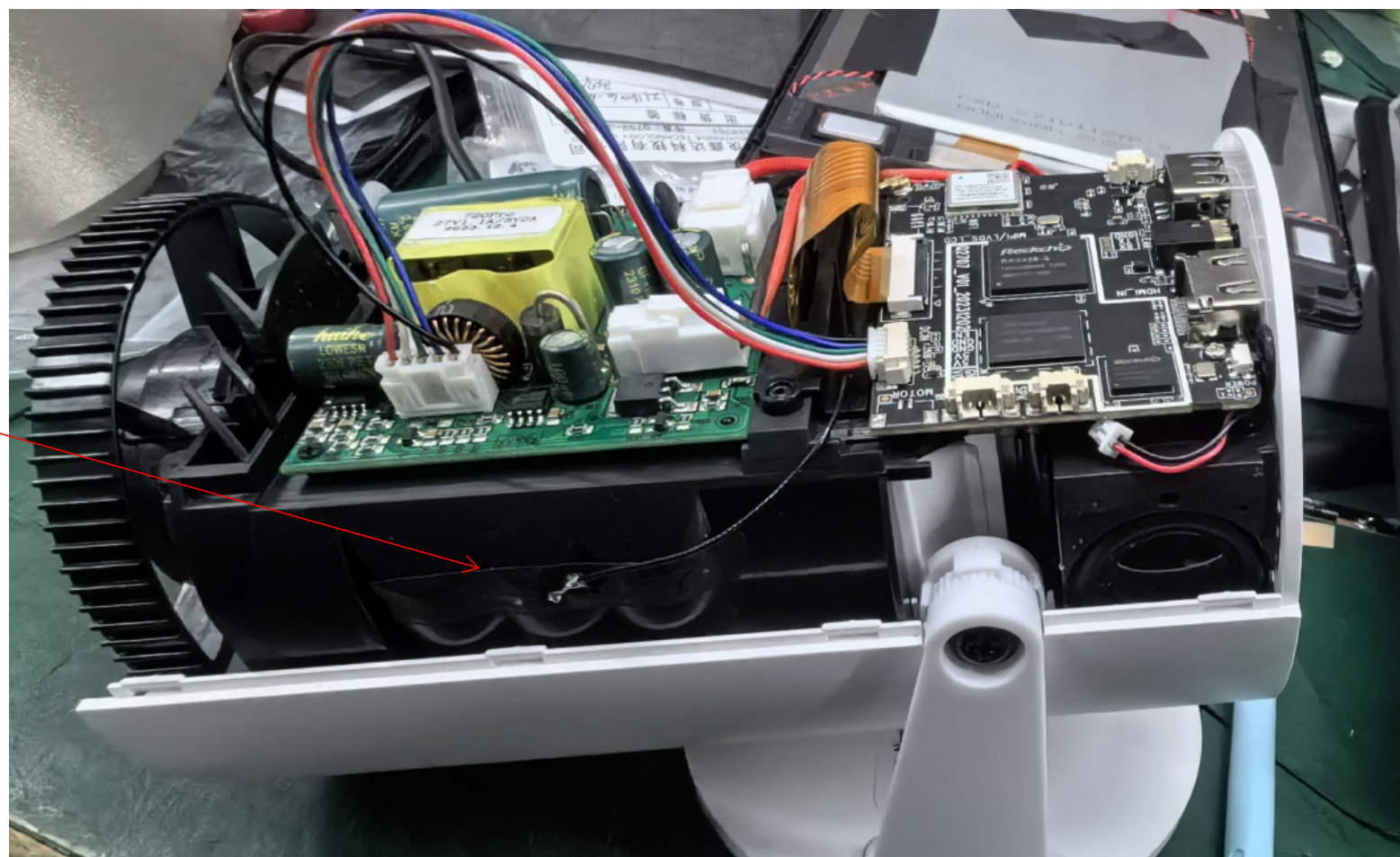
2.4G	802.11b, (2.4G) 11M		
Channel	CH1	CH6	CH11
TRP	13.75	13.82	14.59
TIS	-81.98	-80.62	-78.53

5.8G	802.11A, (5.8G) 54M		
Channel	CH36	CH60	CH161
TRP	13.38	11.82	13.04
TIS	-72.09	-72.13	-72.14

天线位置图



WiFi天线



Thanks