

Antena Test Report



Customer Name: Changcheng

Customer Project Name: FYD-868

Band: WIFI2.4G/5.8G/BT

Version: A

Date: 2025-7-30

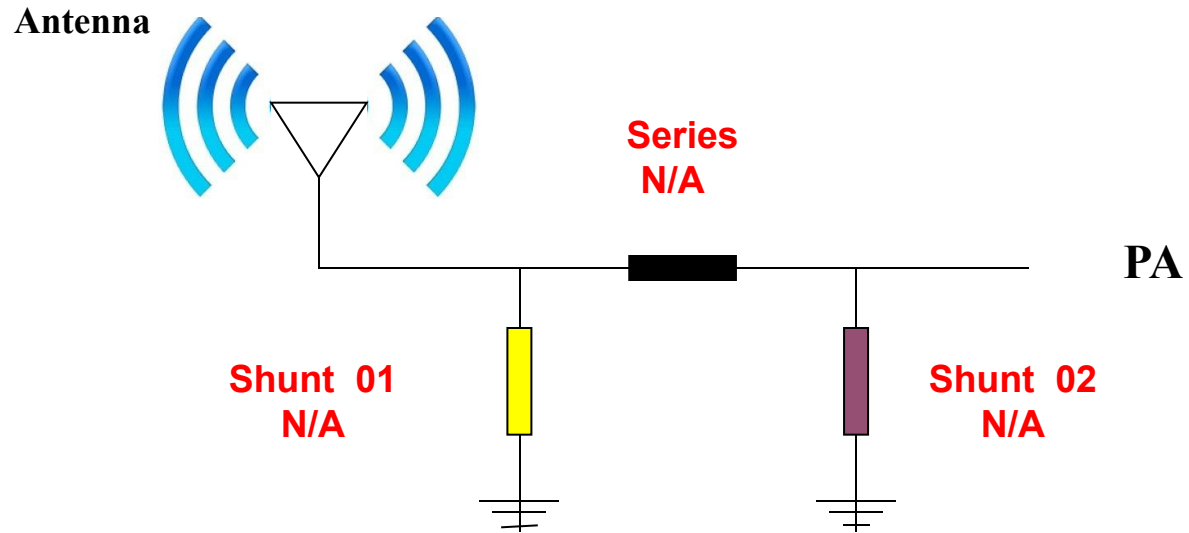
Test system

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



The motherboard circuit has not been modified

Antenna Matching Network



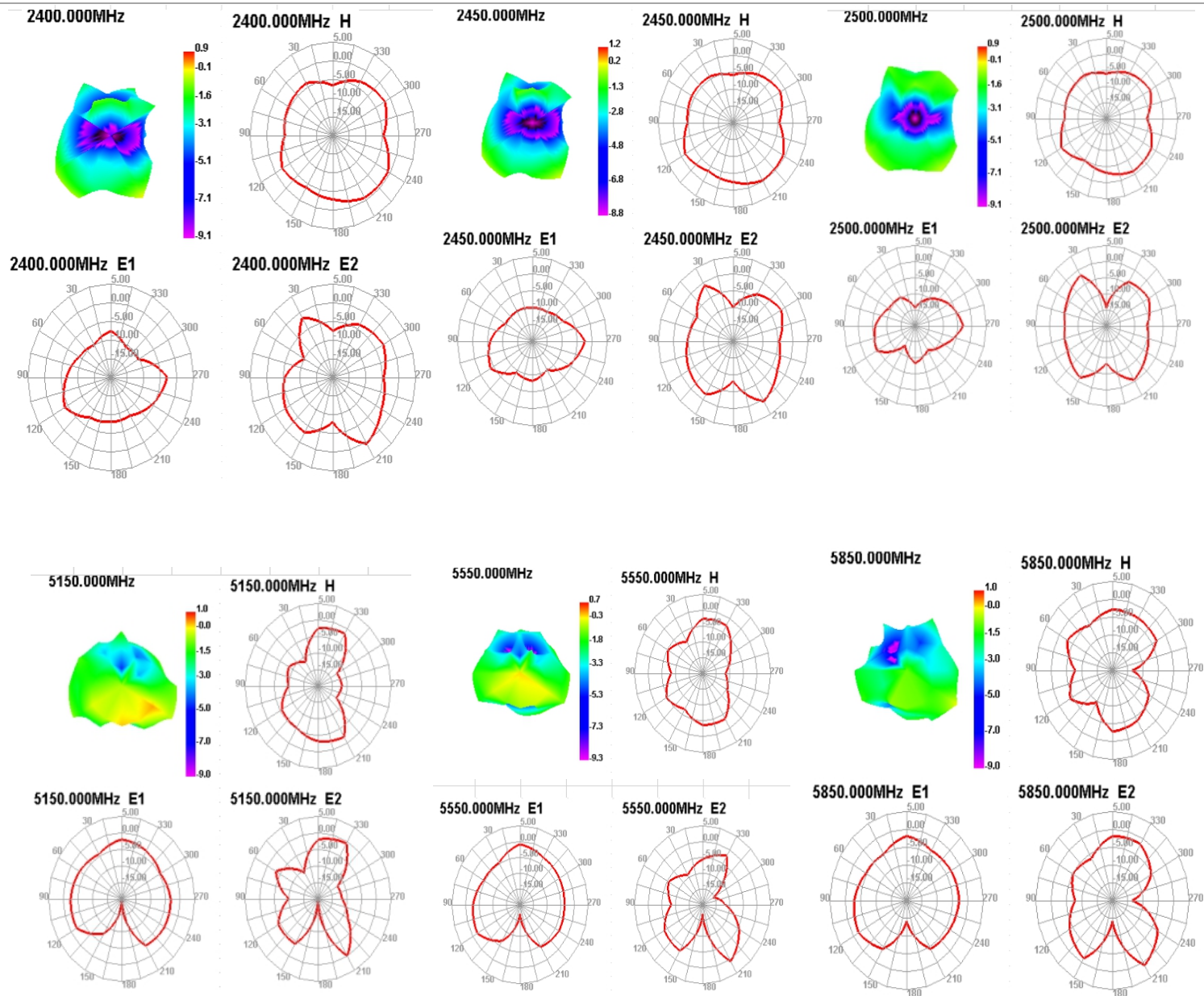
Location	Description	Vendor
Shunt 01	N/A	N/A
Series	N/A	N/A
Shunt 02	N/A	N/A

Content

1. Antenna Matching Network
2. *S11 Parameter-VSWR*
3. 1 Gain & Efficiency
3. 2 3D Pattern
4. OTA Data
5. Antenna Assembly & environmental processing
6. conclusion

Gain & Efficiency-Wifi/Bt

Frequency (MHz)	Efficiency (%)	Peak GAIN (dBi)
2400	43.72	1.45
2450	45.29	1.23
2500	40.68	0.86
5150	43.72	1.03
5350	41.53	0.79
5550	44.75	0.72
5850	42.18	0.97

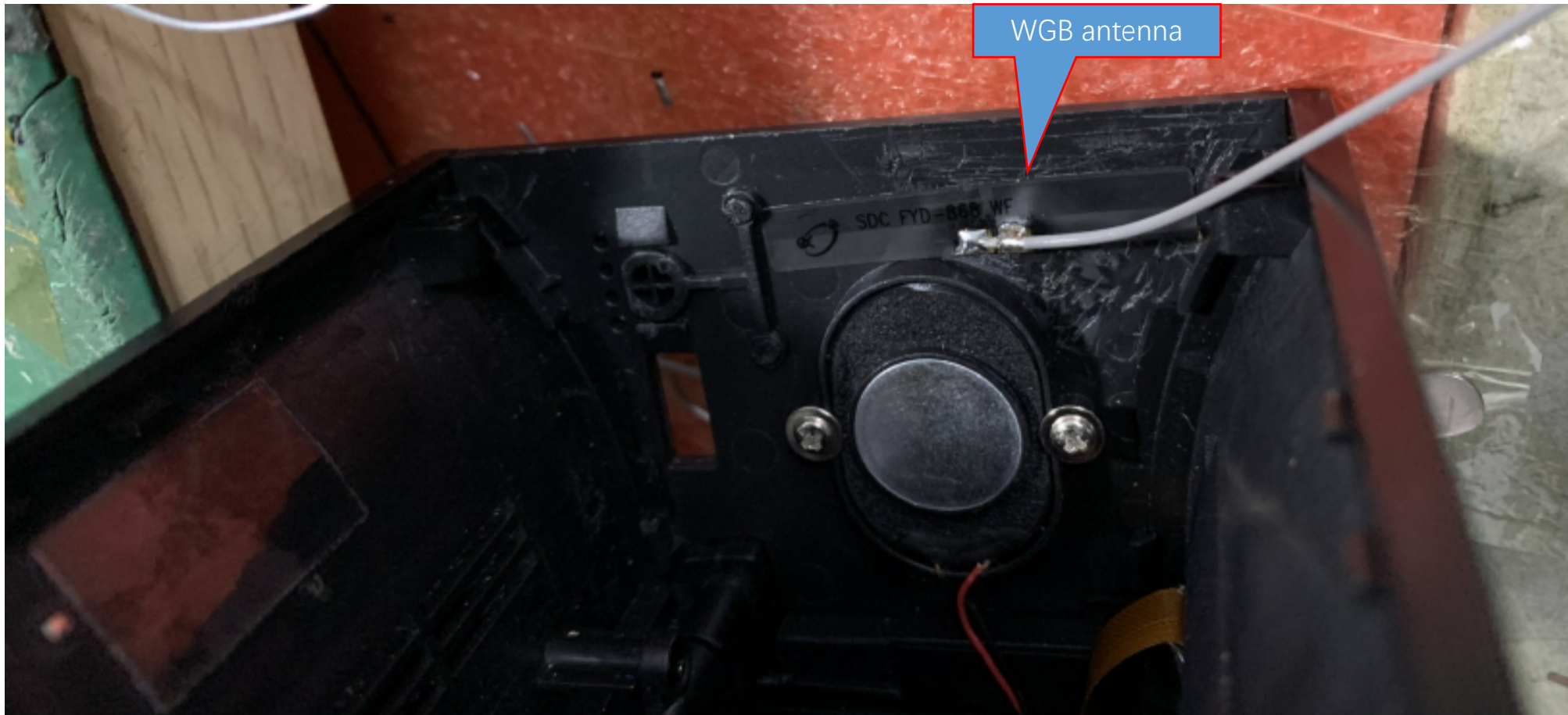


WIFI OTA Data

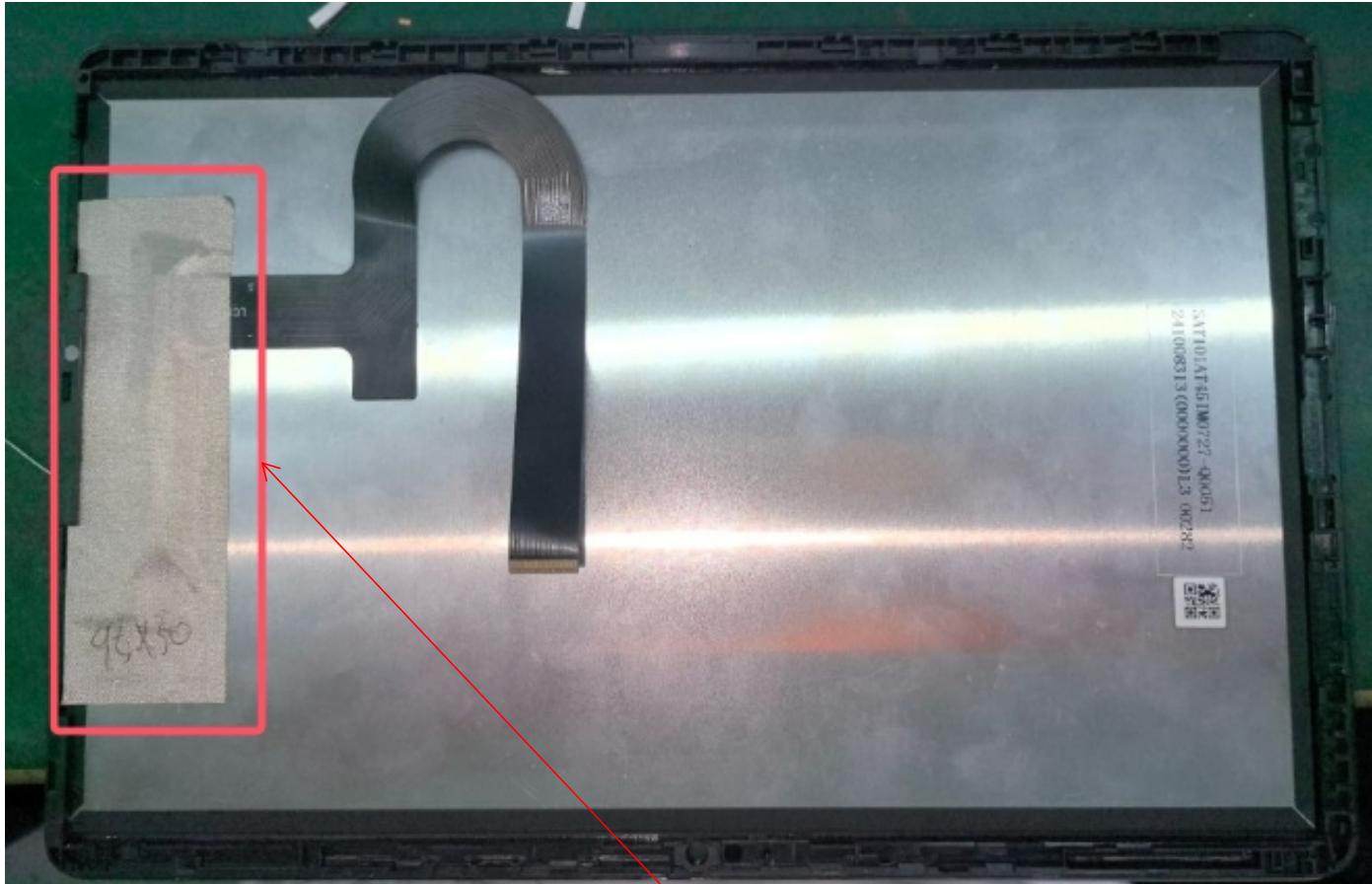
2.4G	802.11b, (2.4G)11M		
Channel	CH1	CH6	CH12
TRP	8.25	9.74	9.63
TIS	-72.37	-72.61	-72.66

5.8G	802.11A, (5.8G)54M		
Channel	CH36	CH60	CH161
TRP	6.66	7.29	7.81
TIS	-67.32	-67.83	-67.49

Antenna installation location diagram



environmental treatment



Screen cable package with conductive cloth grounding (conductive cloth size 95 × 30mm)

Shunda Cheng, thank you for your support

Thanks

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