

Antena Test Report



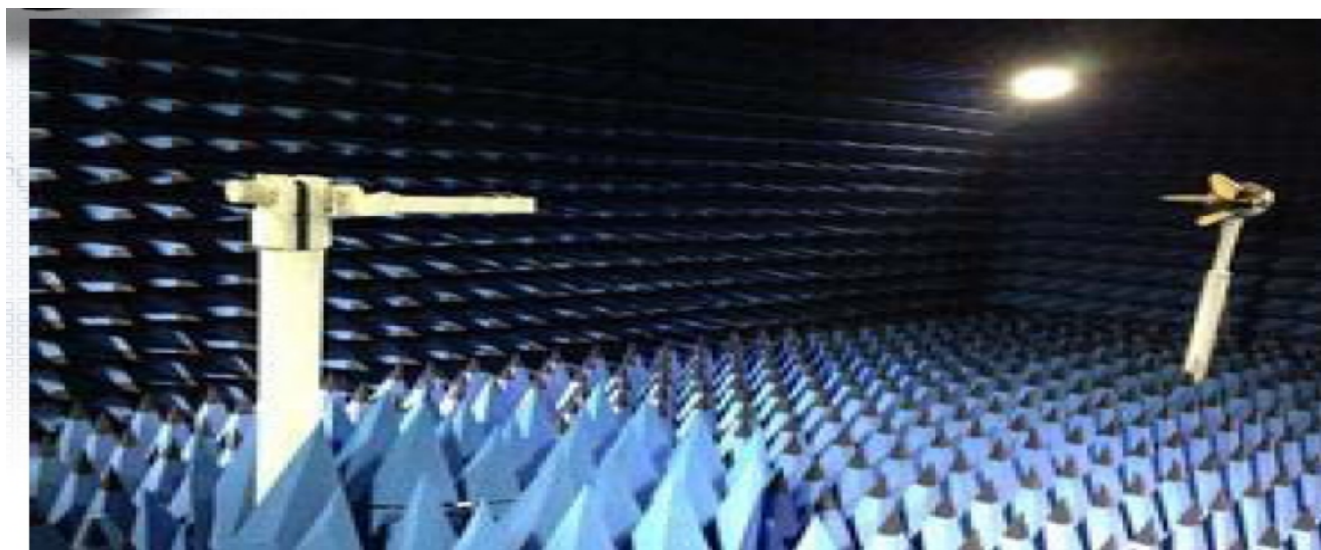
manufacture: xingtu Techlonogy
frequency band, WIFI2.4G/5.8G/BT
VER.: A

project No: Q2707

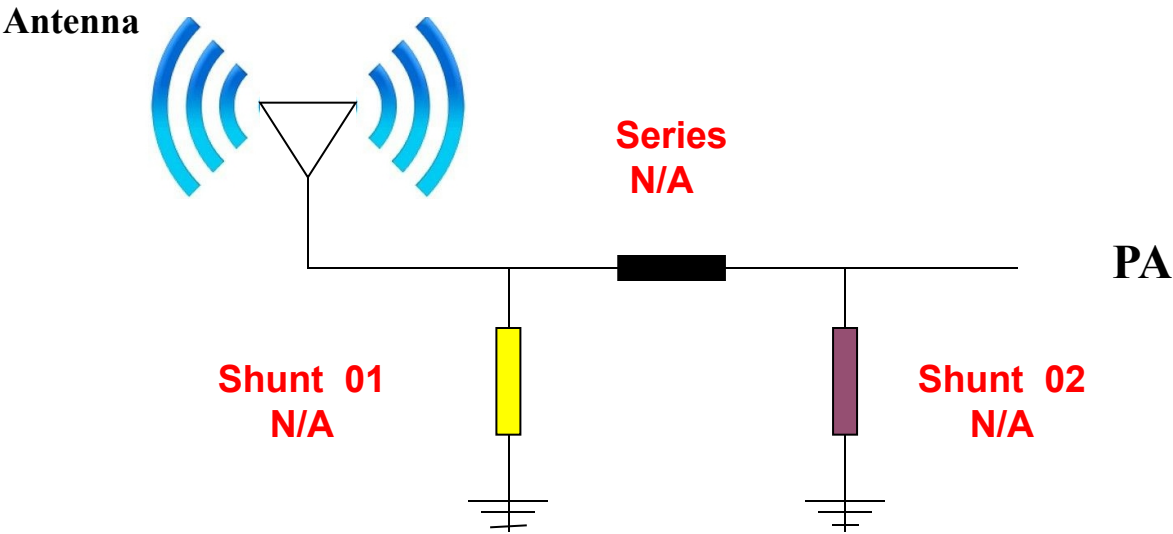
Date: 2024-4-22

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

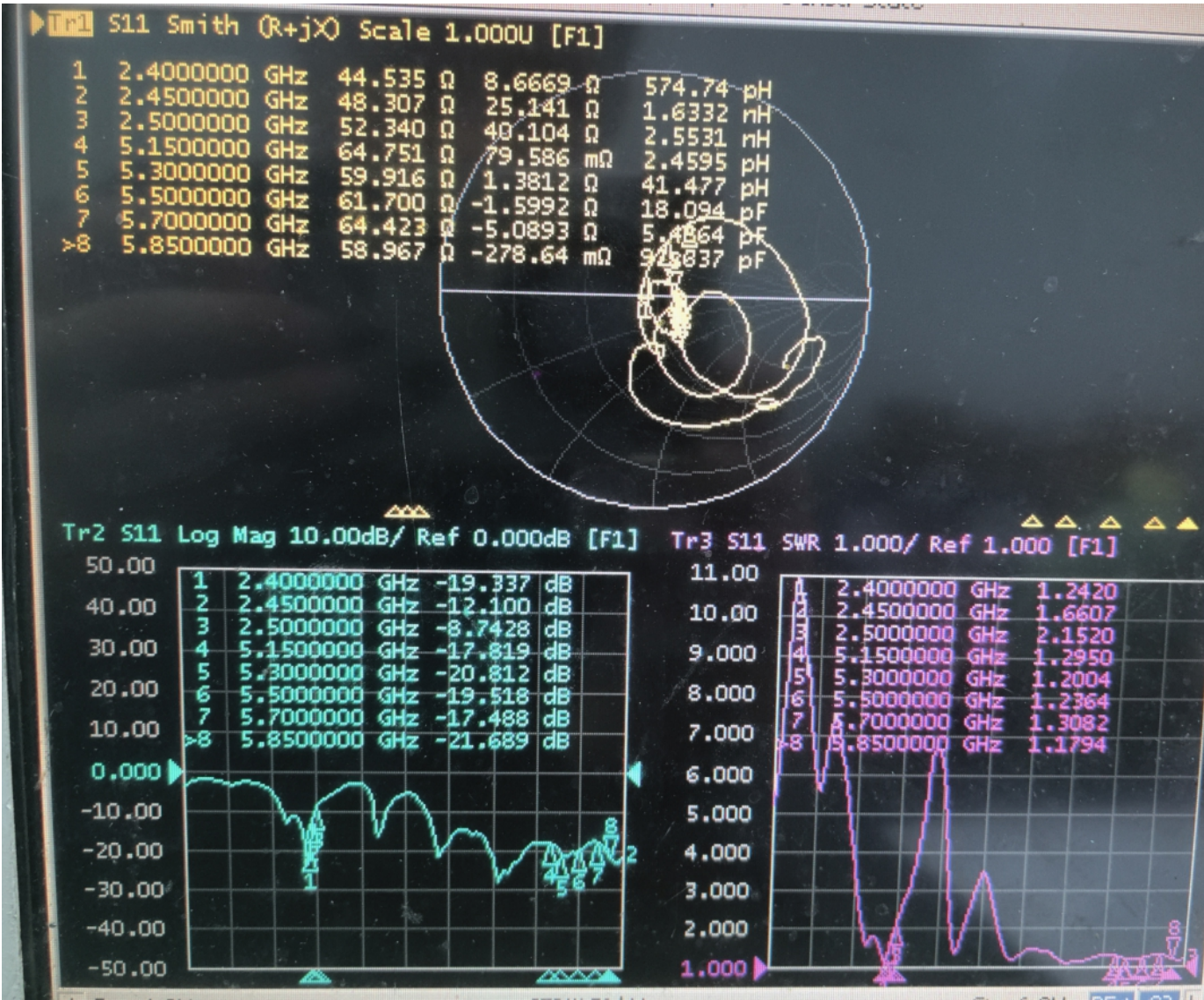


Antenna Matching Network



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



FRE (MHZ)	2400	2450	2500	5150	5300	5500	5700	5850
VSWR	1.24	1.66	1.15	1.29	1.2	1.23	1.38	1.17

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

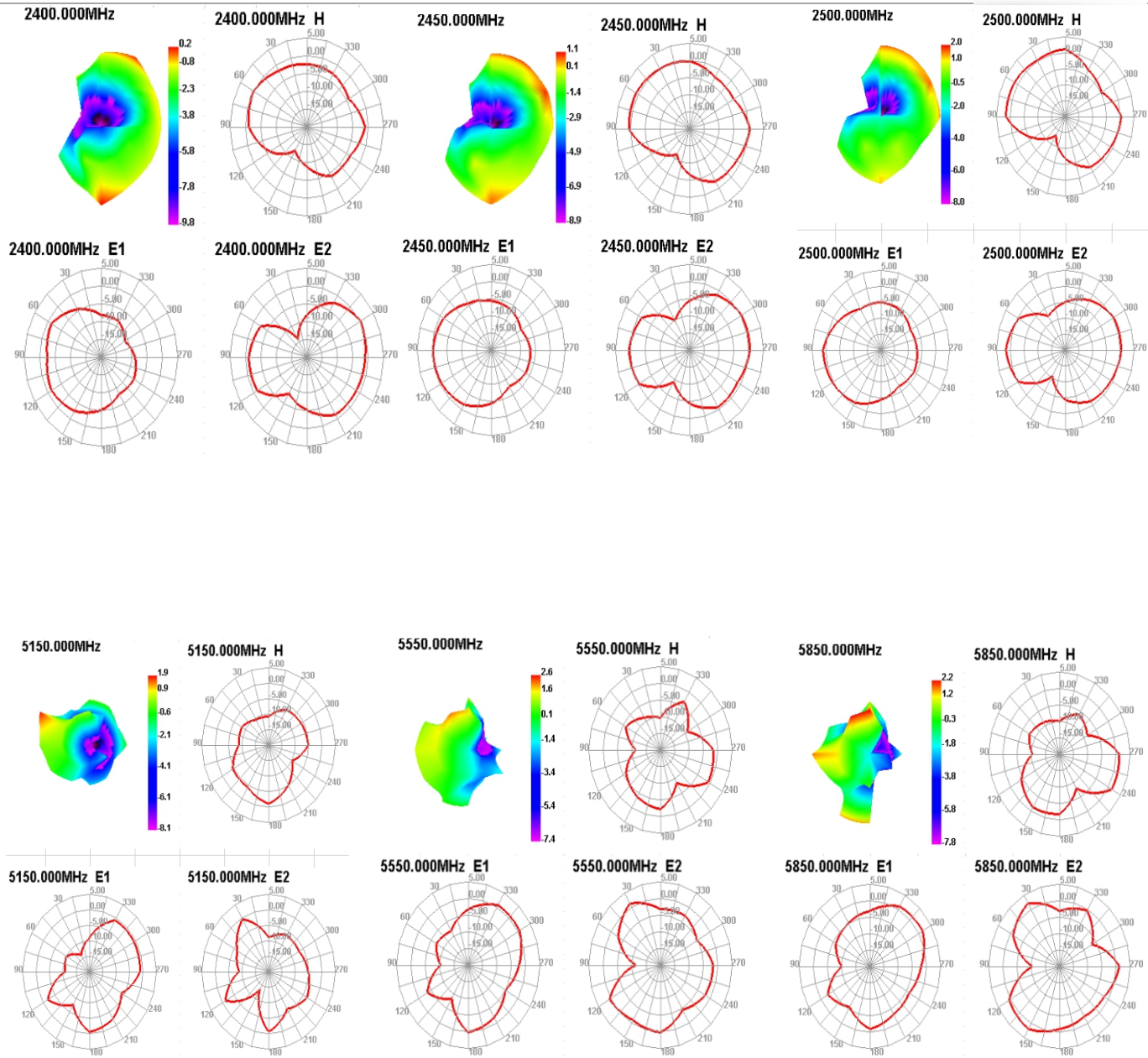
FRE (MHZ)	2400	2450	2500	5150	5300	5500	5700	5850
LOSS	-19.3	-12.1	-8.7	-17.8	-20.8	-19.5	-17.4	-21.6

Efficiency&Gain



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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

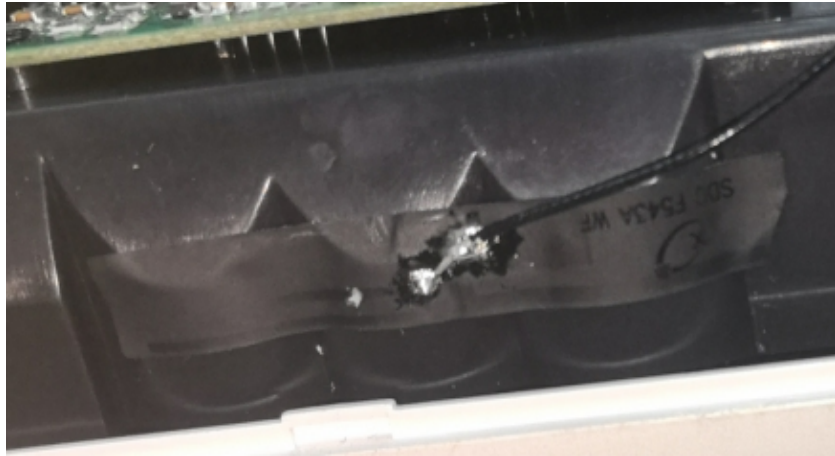


WIFI OTA Data

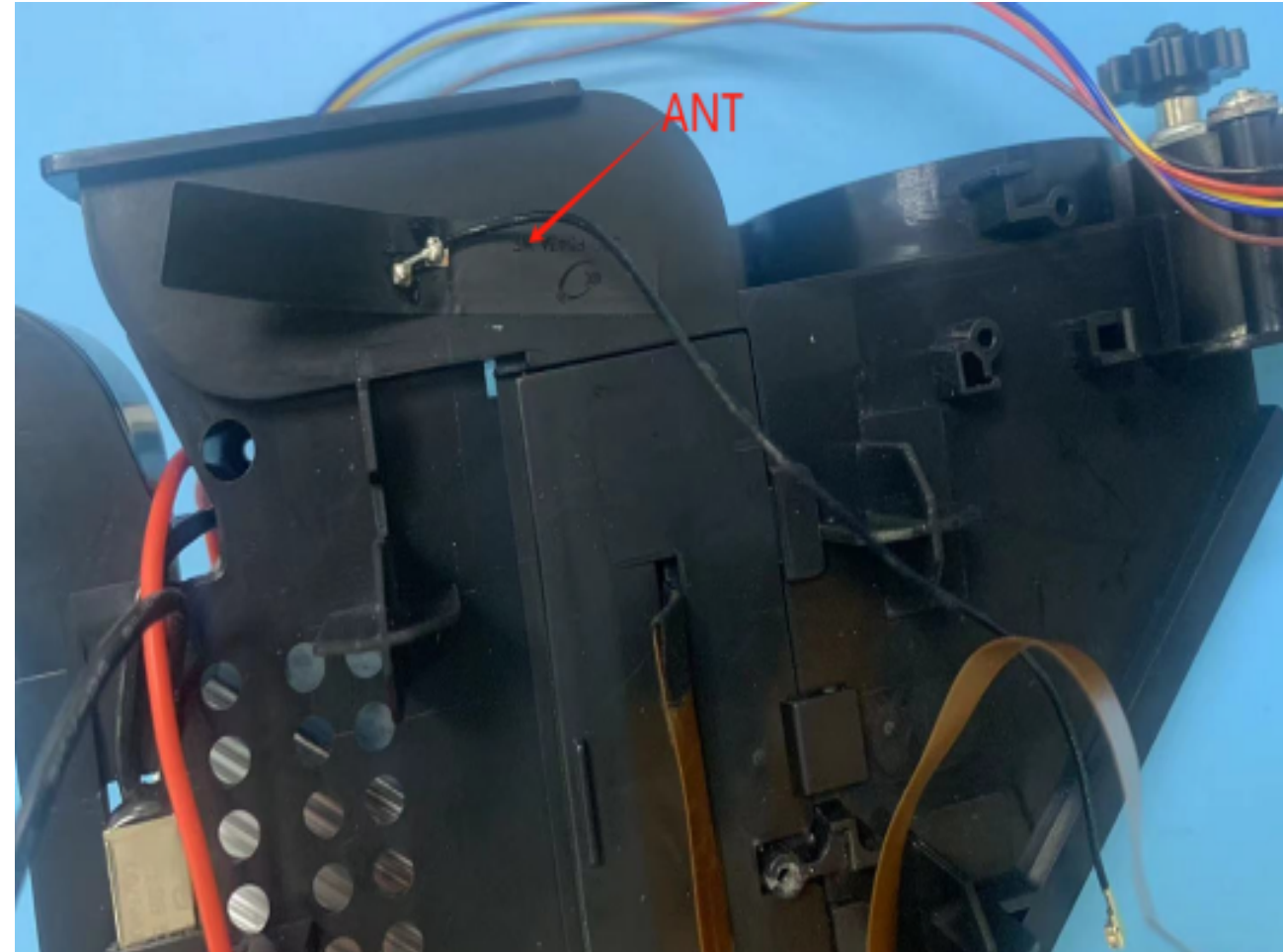
2.4G	802.11b, (2.4G) 11M		
Channel	CH1	CH6	CH11
TRP	13.75	13.82	14.59
TIS	-81.98	-80.62	-78.53

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

Antenna location



WiFi ANT



Thanks