



Antenna Test Report

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Tester : Chen jie

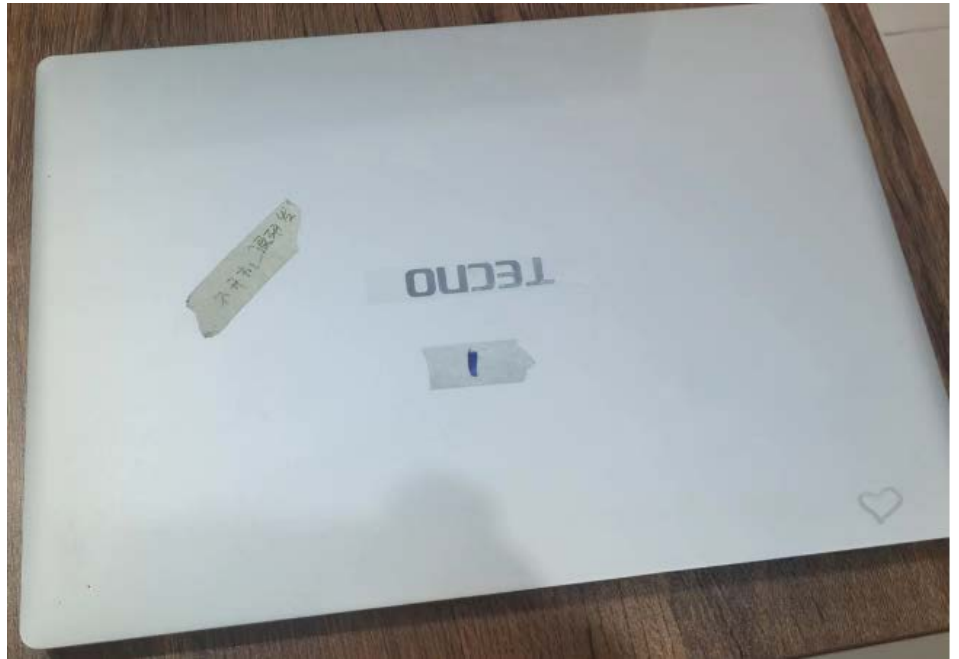
Approval : Yin tao

Date : 2023 / 09 / 25



1. Device Profile

Device





2. WIFI-1 main Antenna Test

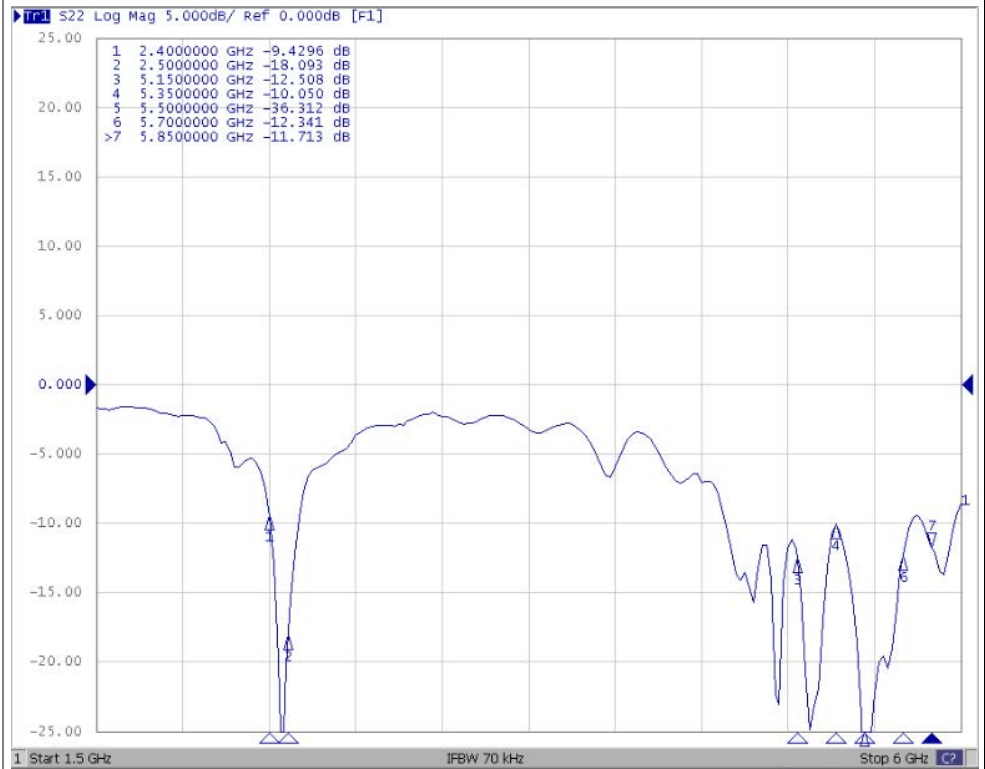
***WIFI-1
main
Antenna***





Antenna Performance Test

**Agilent
E5071B
S11
Parameter
Test //
WIFI-1
main
Antenna**





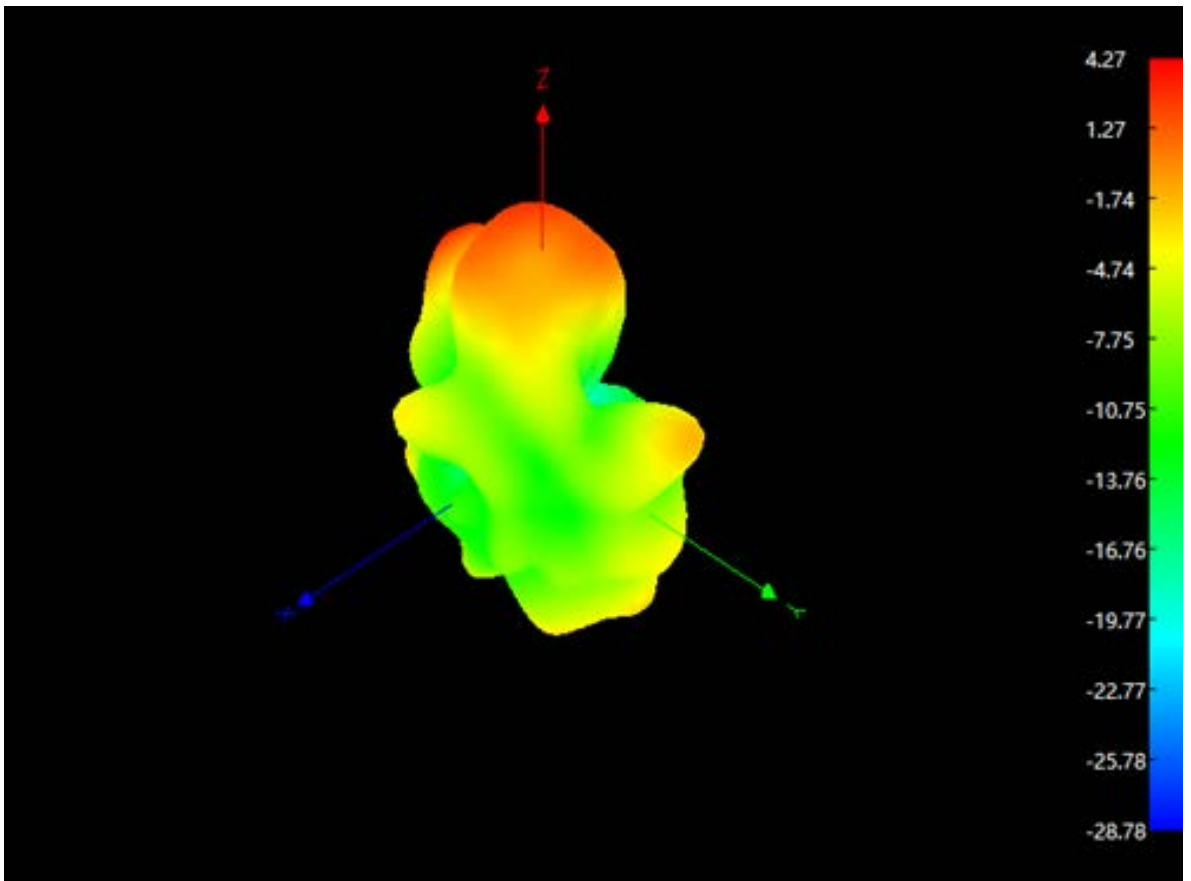
Passive Test For BT/ WiFi -1 Antenna(2.4G)

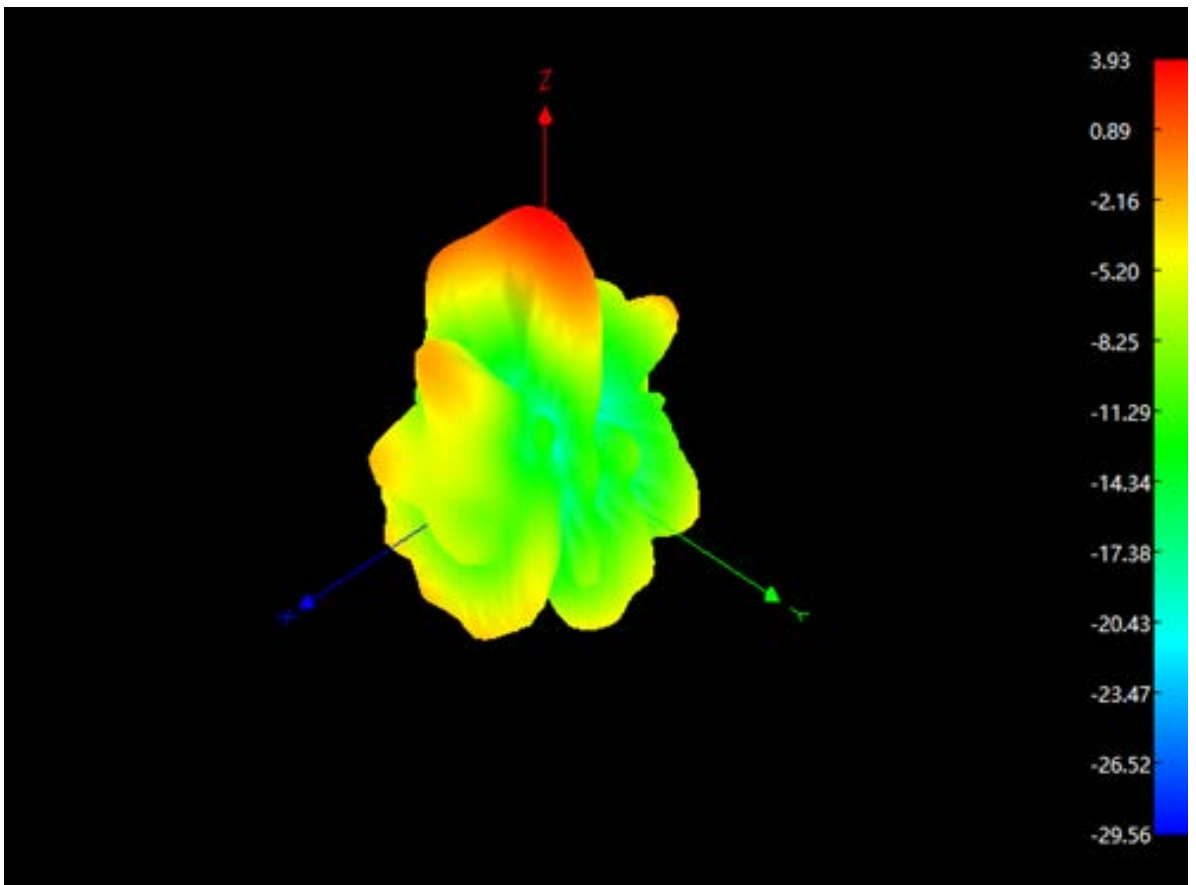
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	-5.2	30.3	3.9
2410	-5.2	30.6	4.2
2420	-4.9	32.3	4.3
2430	-4.7	33.7	4.2
2440	-4.7	34.3	4.0
2450	-4.4	36.1	3.8
2460	-4.5	35.3	3.4
2470	-4.4	36.1	3.2
2480	-4.5	35.2	2.9
2490	-4.5	35.3	2.8
2500	-4.8	32.8	2.7

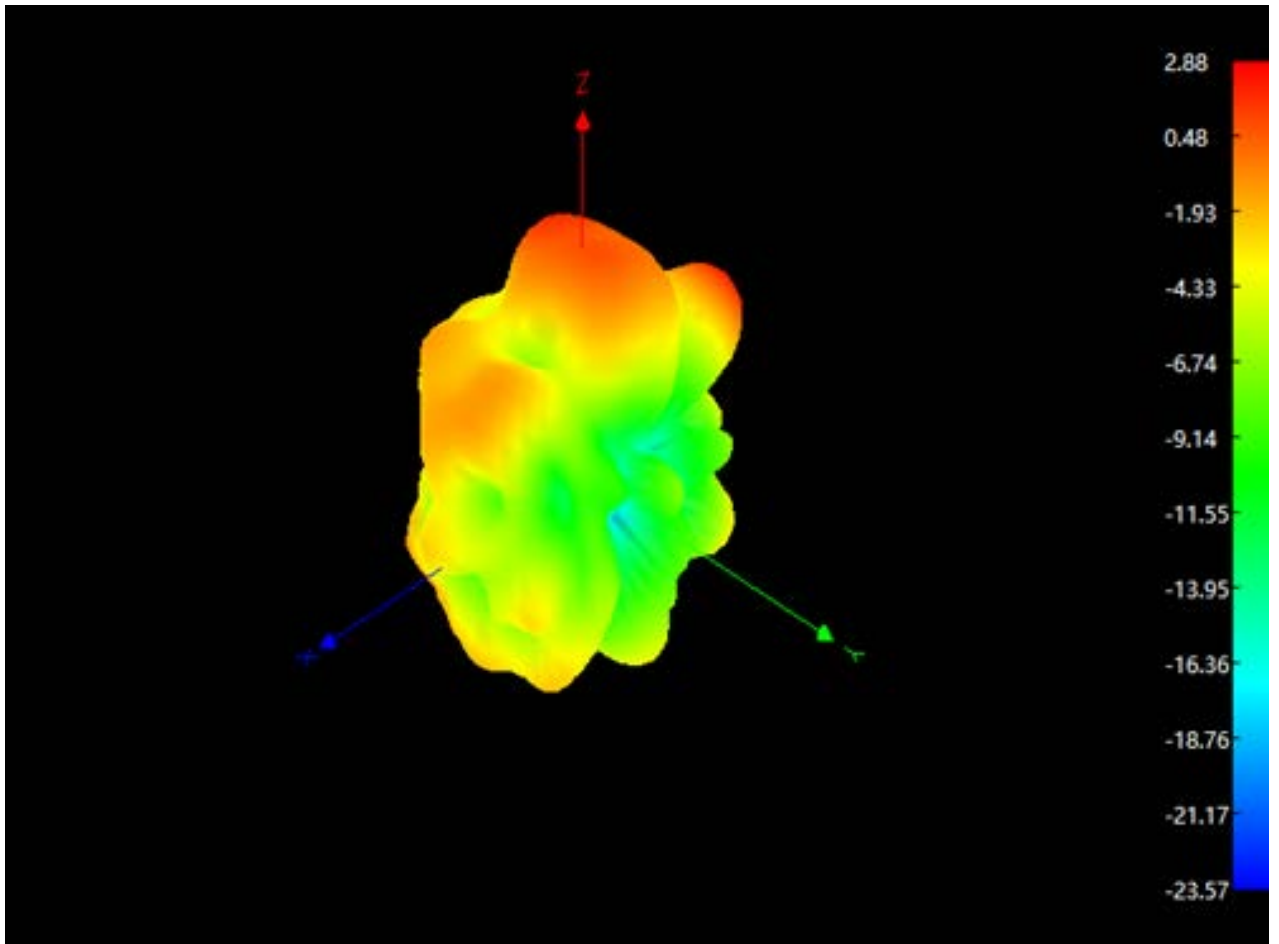


Passive Test For WiFi -1 Antenna(5.8G)

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5150	-4.9	32.1	3.9
5200	-4.6	34.7	3.4
5250	-5.1	31.2	1.6
5300	-5.0	31.4	1.6
5350	-4.9	32.5	2.6
5400	-5.0	31.3	2.1
5450	-5.5	28.5	1.7
5500	-5.7	27.2	2.0
5550	-4.8	32.9	1.8
5600	-5.2	30.3	1.6
5650	-5.6	27.7	1.6
5700	-5.0	32.0	2.5
5750	-5.0	31.5	2.5
5800	-4.7	33.7	2.9
5850	-4.9	32.4	2.5









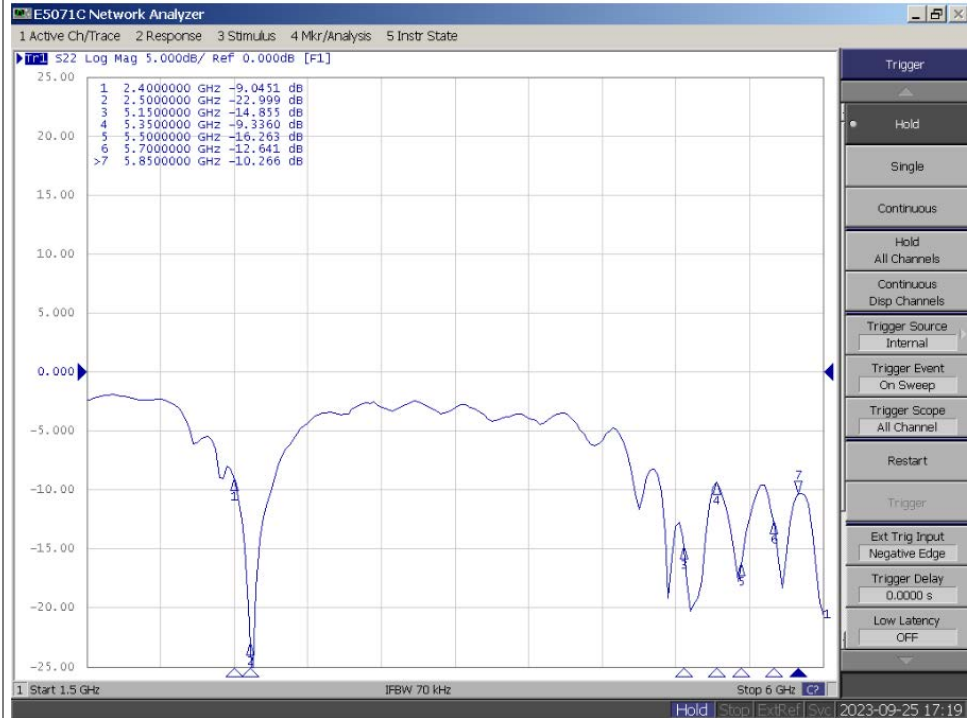
***WIFI-2
AUX
Antenna***





4. WiFi -2 Antenna Test

WiFi-2 Antenna





Passive Test For WiFi -2 Antenna(2.4G)

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	-5.6	27.9	3.6
2410	-5.4	28.8	3.7
2420	-5.4	28.9	3.6
2430	-5.5	28.1	3.5
2440	-5.6	27.8	3.2
2450	-5.3	29.7	3.4
2460	-5.4	28.9	3.0
2470	-5.3	29.8	2.9
2480	-5.3	29.5	2.7
2490	-5.3	29.8	2.4
2500	-5.6	27.8	1.8



Passive Test For WiFi -2 Antenna(5.8G)

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5150	-5.8	26.1	0.1
5200	-5.8	26.5	0.7
5250	-5.7	27.2	1.0
5300	-5.5	28.3	1.8
5350	-5.7	27.2	1.9
5400	-5.3	29.3	1.4
5450	-5.4	29.2	0.3
5500	-5.7	26.9	0.9
5550	-5.6	27.4	1.1
5600	-5.8	26.6	0.8
5650	-5.9	25.9	1.7
5700	-5.9	25.8	1.8
5750	-4.4	36.0	2.7
5800	-5.1	31.1	2.3
5850	-4.5	35.2	3.0

