



东莞市一佳电子通讯科技有限公司

Antenna Test Report

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Approval : Chen Guoqiang

Date : 2023 / 05 / 23

真诚 务实 开拓 创新



1. Device Profile

Device





2. WiFi main Antenna Test

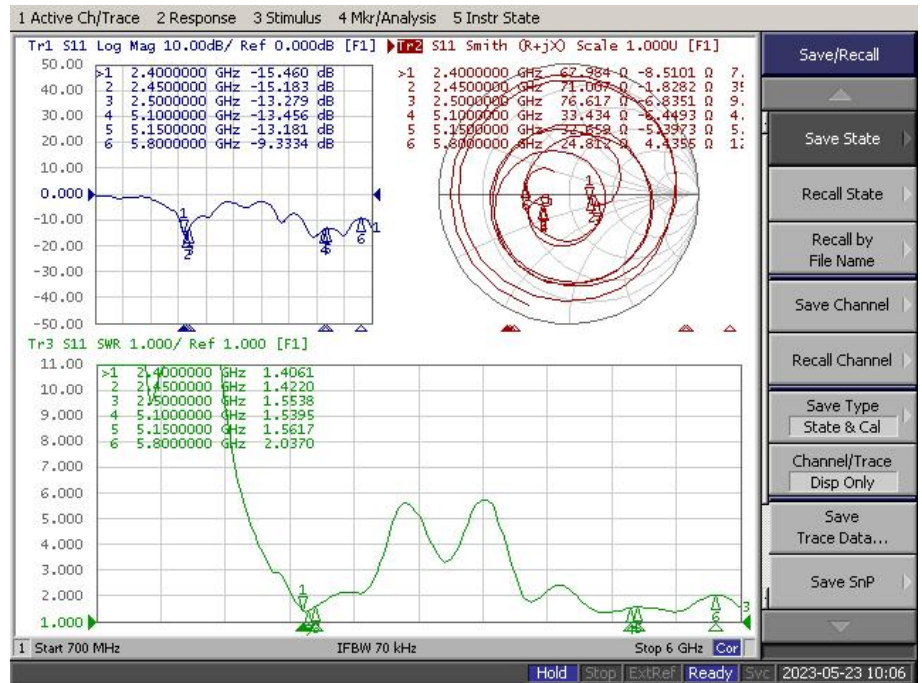
*WiFi
main
Antenna*





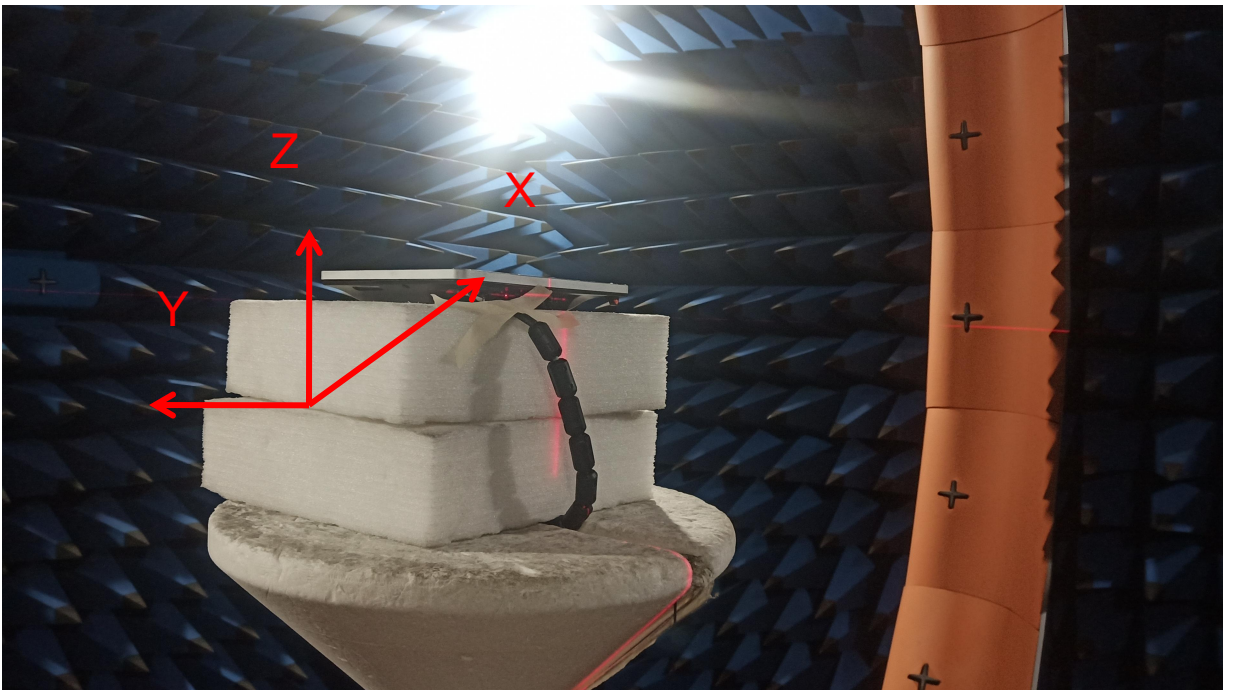
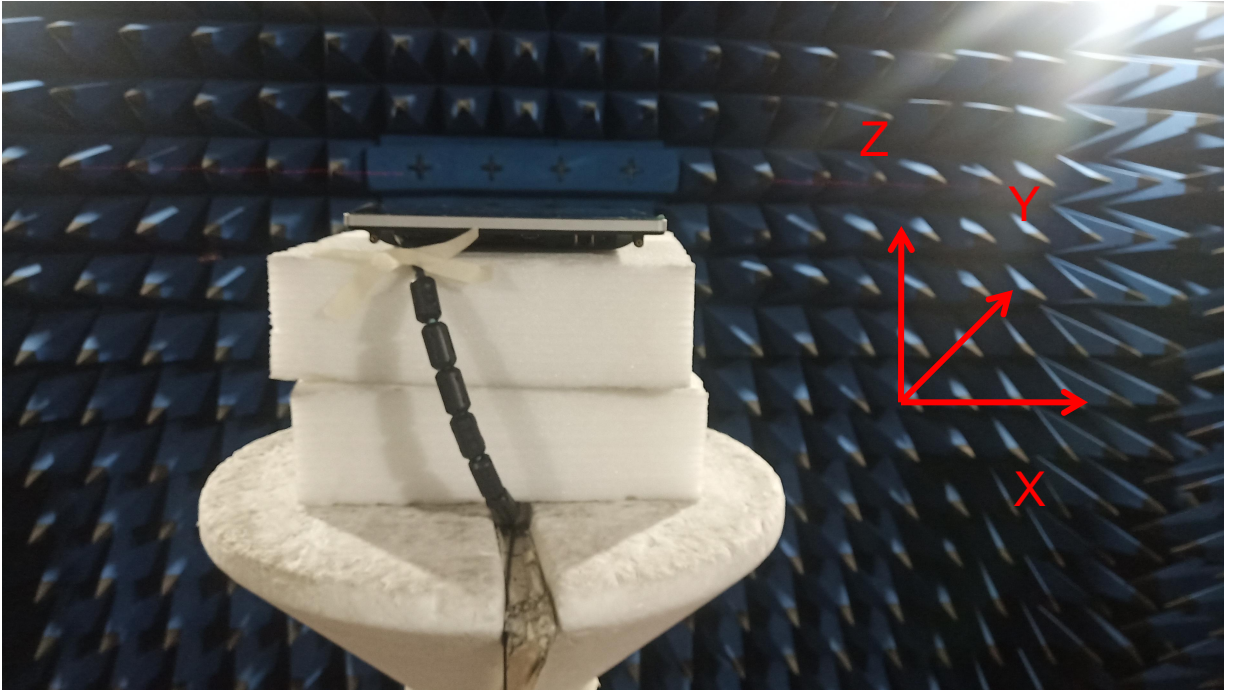
Antenna Performance Test

**Agilent
E5071B
S11
Parameter
Test //
WiFi/BT
Antenna**





Antenna Passive Test





Passive Test For WiFi main Antenna(2.4G)

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	53.1	-2.8	2.9
2410	53.8	-2.7	2.9
2420	53.8	-2.7	2.9
2430	53.9	-2.7	3.1
2440	54.1	-2.7	3.3
2450	54.4	-2.6	3.3
2460	52.2	-2.8	3.1
2470	52.9	-2.8	3.0
2480	52.4	-2.8	2.8
2490	50.3	-3.0	2.7
2500	52.0	-2.8	2.5

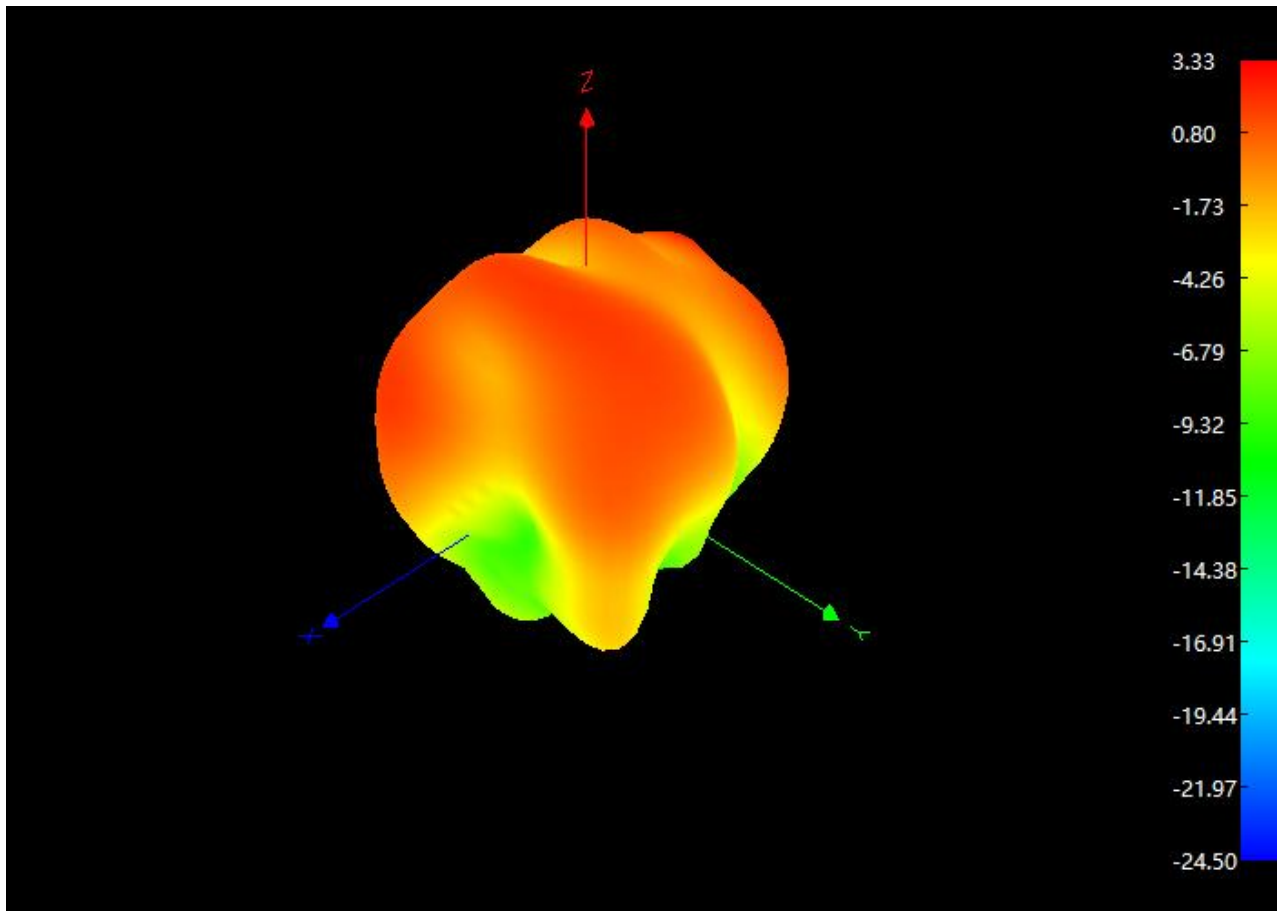


Passive Test For WiFi main Antenna(5.8G)

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5150	58.9	-2.3	3.4
5200	58.6	-2.3	3.5
5250	53.8	-2.7	3.4
5300	52.4	-2.8	3.3
5350	54.0	-2.7	3.7
5400	57.2	-2.4	4.0
5450	58.1	-2.4	4.0
5500	57.4	-2.4	4.4
5550	64.4	-1.9	5.1
5600	69.0	-1.6	5.7
5650	60.5	-2.2	5.4
5700	58.9	-2.3	5.6
5750	66.2	-1.8	4.1
5800	53.1	-2.8	4.2
5850	54.2	-2.7	4.2

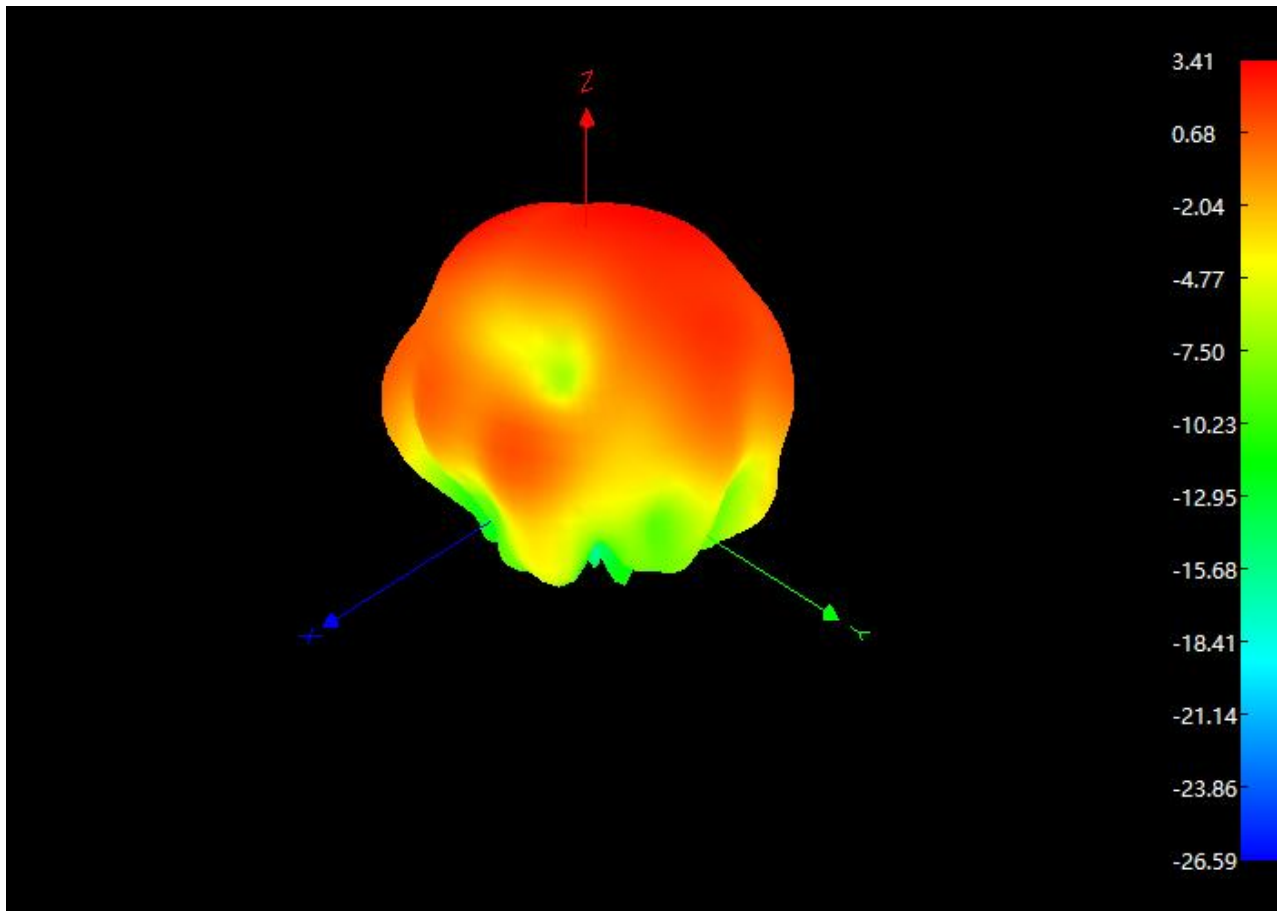


Radiation Pattern For WiFi main Antenna(2450MHz)





Radiation Pattern For WiFi main Antenna(5150MHz)





Radiation Pattern For WiFi div Antenna(5800MHz)

