



东莞市一佳电子通讯科技有限公司

Antenna Specification

Contents:

- 1. Antenna Profile*
- 2. Antenna Performance Test*
- 3. Antenna Passive Test*
- 4. Antenna Active Test*

Tester : Ouyang Hailin

Approval : Chen Guoqiang

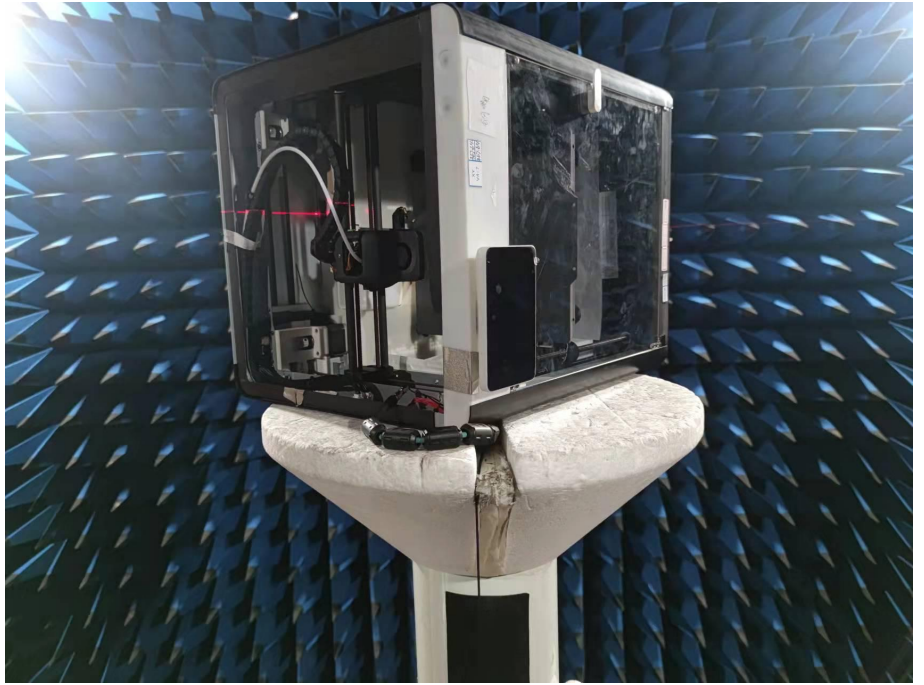
Date : 2021 / 12 / 14

真诚 务实 开拓 创新

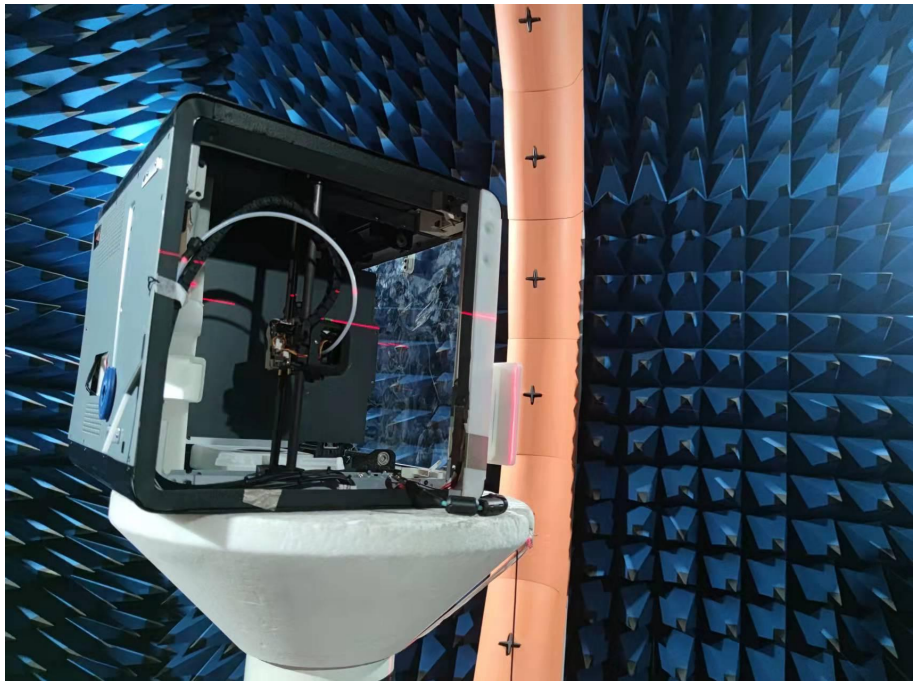


1. Antenna Profile

Device



*WIFI
Antenna*



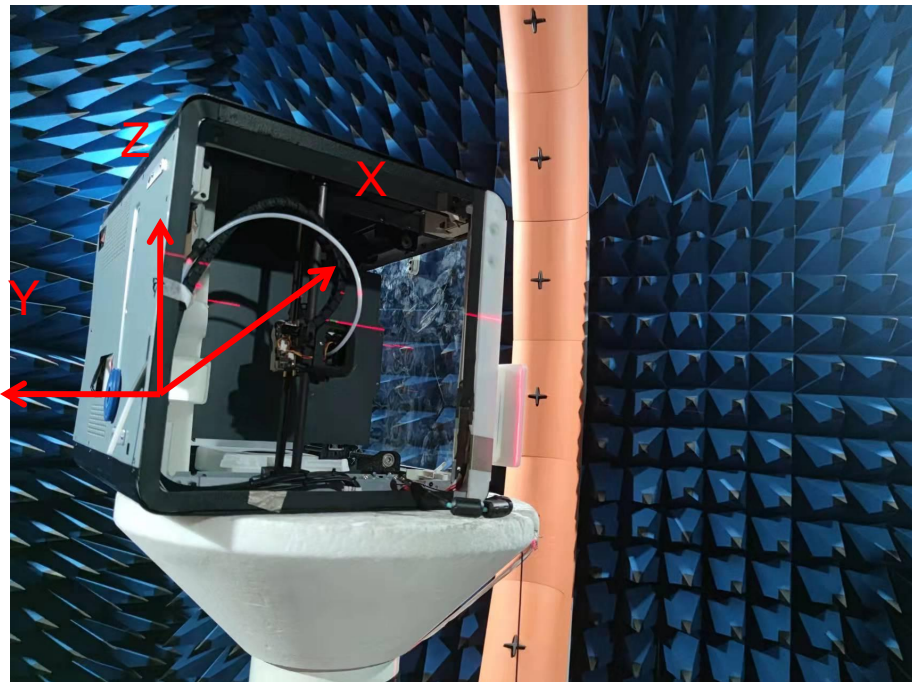
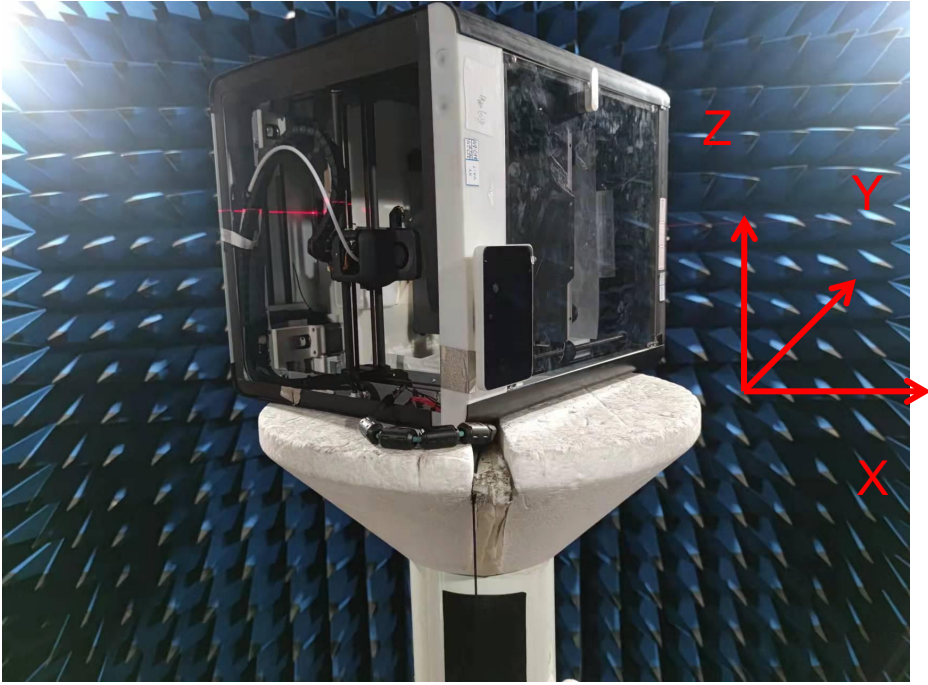


2. Antenna Performance Test

*Agilent
E5071B
S11
Parameter
Test //
WIFI
Antenna*



3. Antenna Passive Test



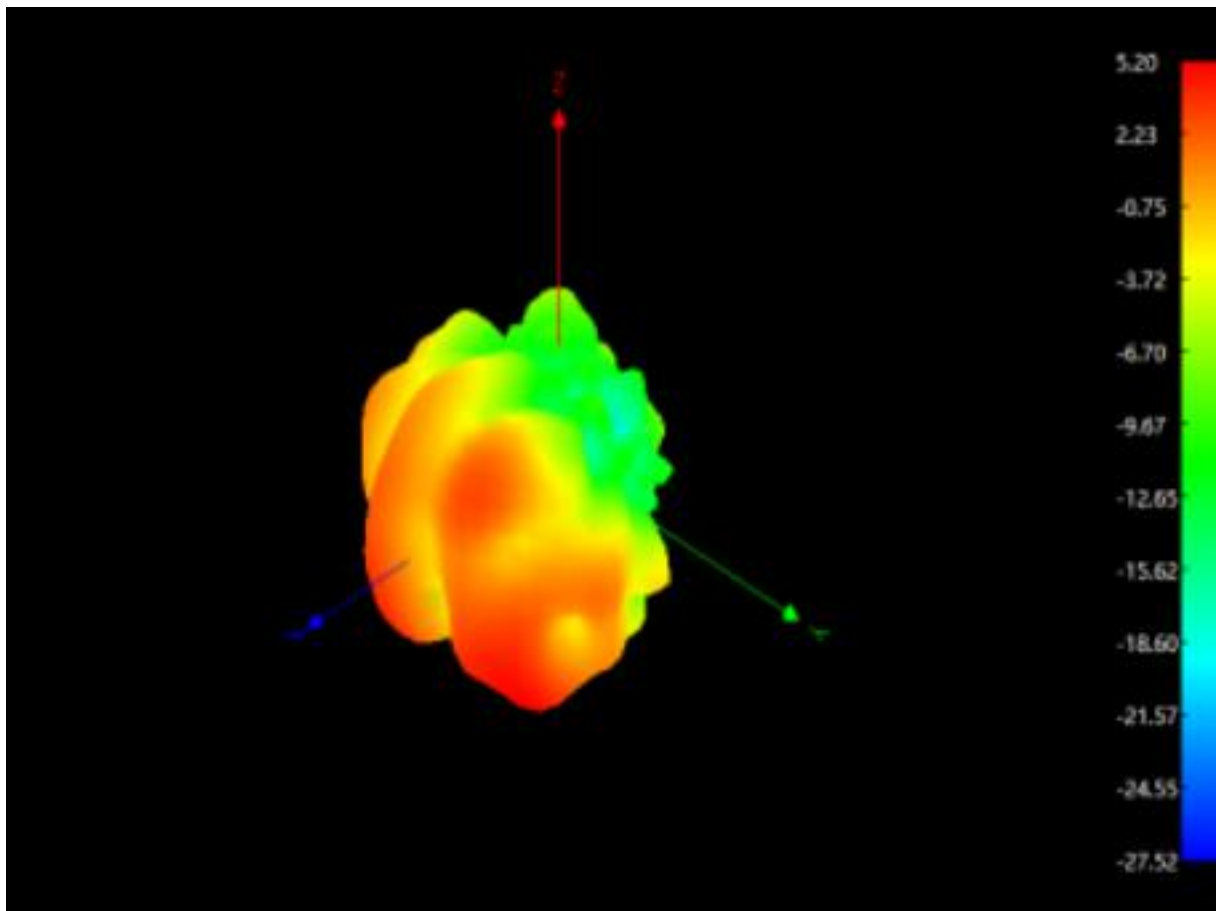


Passive Test For WiFi Antenna(2.4G)

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	38.6	-4.1	5.1
2410	39.8	-4.0	5.2
2420	40.6	-3.9	5.2
2430	39.9	-4.0	5.1
2440	37.8	-4.2	4.8
2450	40.6	-3.9	5.2
2460	39.5	-4.0	5.1
2470	41.1	-3.9	5.2
2480	41.3	-3.8	4.9
2490	43.7	-3.6	5.4
2500	41.4	-3.8	5.3

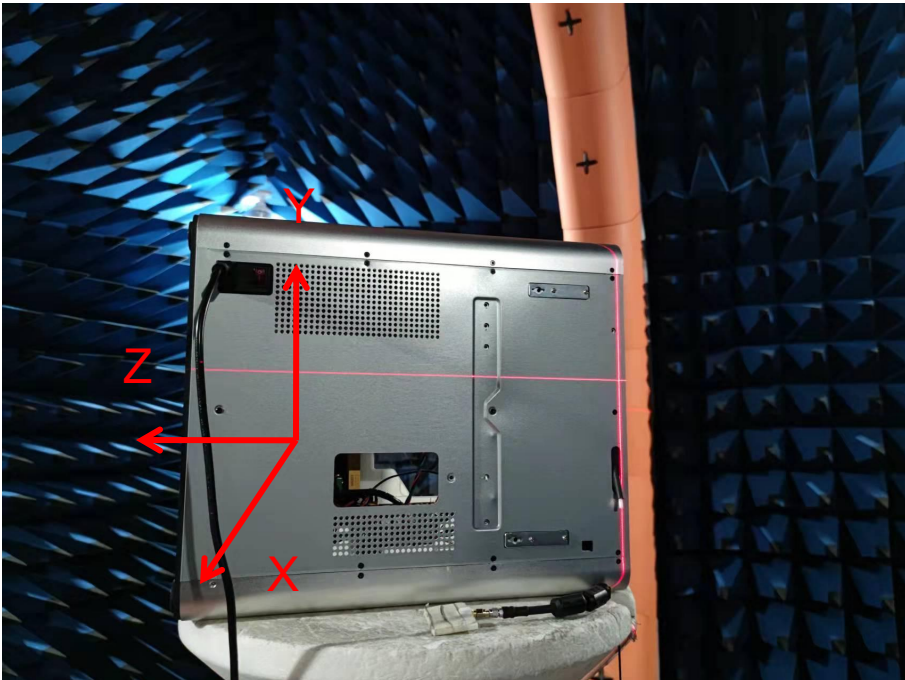


Radiation Pattern For WIFI Antenna(2450MHz)





4. *Antenna Active Test*





V4

Active Test For WIFI Antenna							
Band	Channel	Data Rate	TRP	EIRP	Data Rate	TIS	EIS
WIFI 2.4G 802.11b	1	11Mbps	12.6	18.6	11Mbps	-81.8	-87.6
	6		13.4	18.9		-80.2	-86.8
	13		13.3	19.4		-80.2	-86.5



V5

Active Test For WIFI Antenna							
Band	Channel	Data Rate	TRP	EIRP	Data Rate	TIS	EIS
WIFI 2.4G 802.11b	1	11Mbps	12.0	17.7	11Mbps	-78.2	-84.0
	6		12.3	18.1		-76.0	-81.8
	13		12.5	19.3		-73.0	-79.8