



**东莞市一佳电子通讯科技有限公司**

# Antenna Specification

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Tester : Ouyang Hailin

Approval : Chen Guoqiang

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**真诚 务实 开拓 创新**

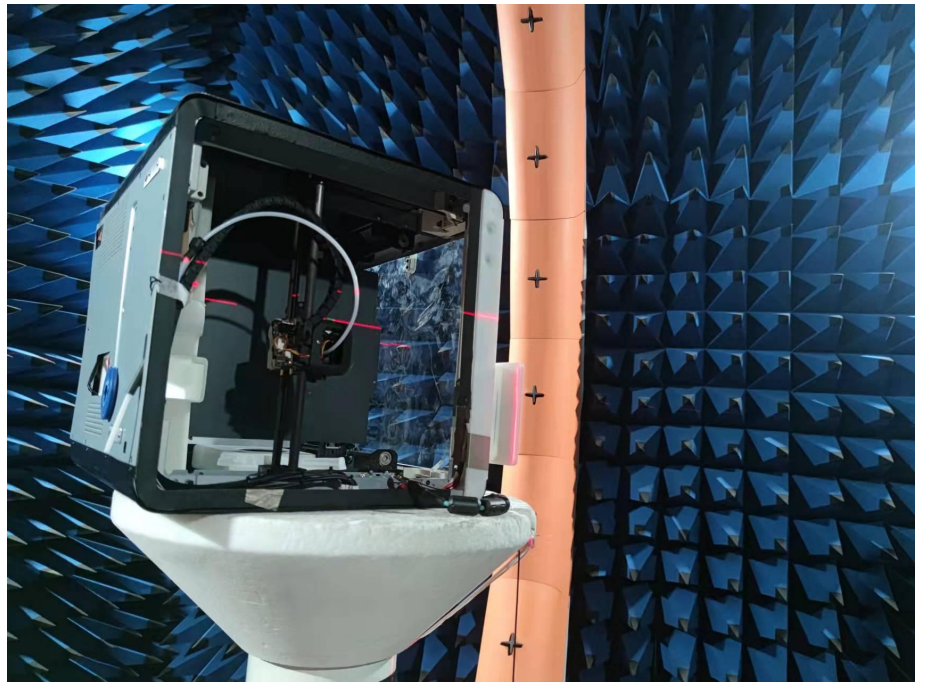


# 1. Antenna Profile

*Device*



*WIFI  
Antenna*

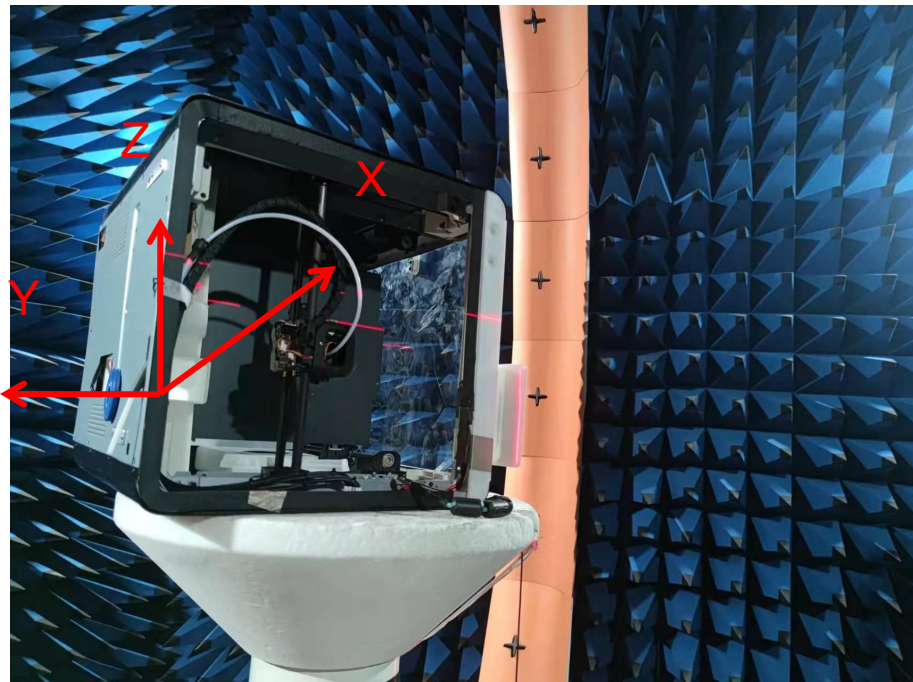
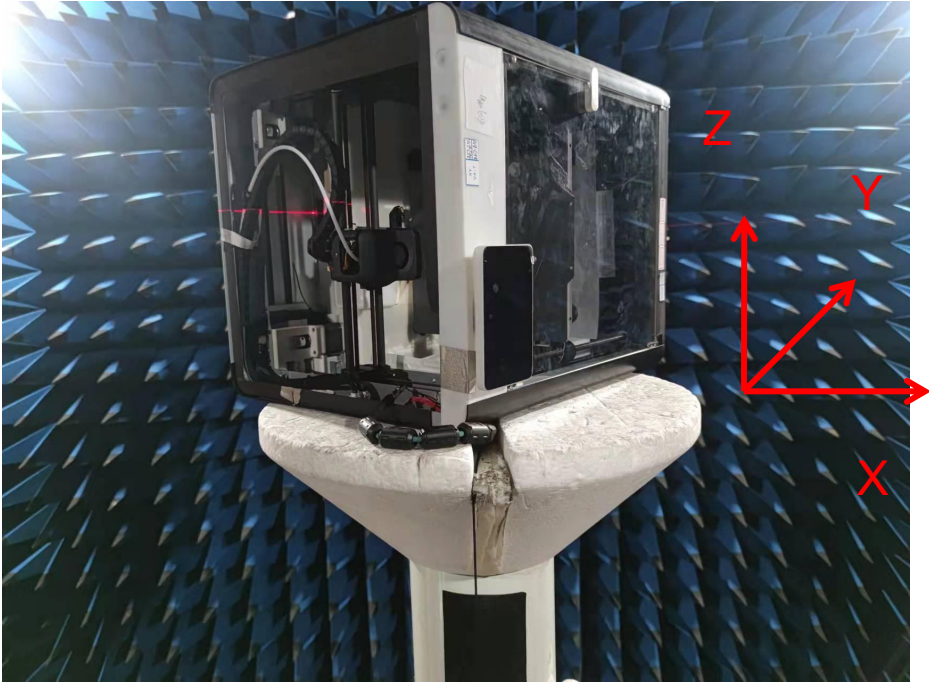




## *2. Antenna Performance Test*

*Agilent  
E5071B  
S11  
Parameter  
Test //  
WIFI  
Antenna*

### 3. *Antenna Passive Test*



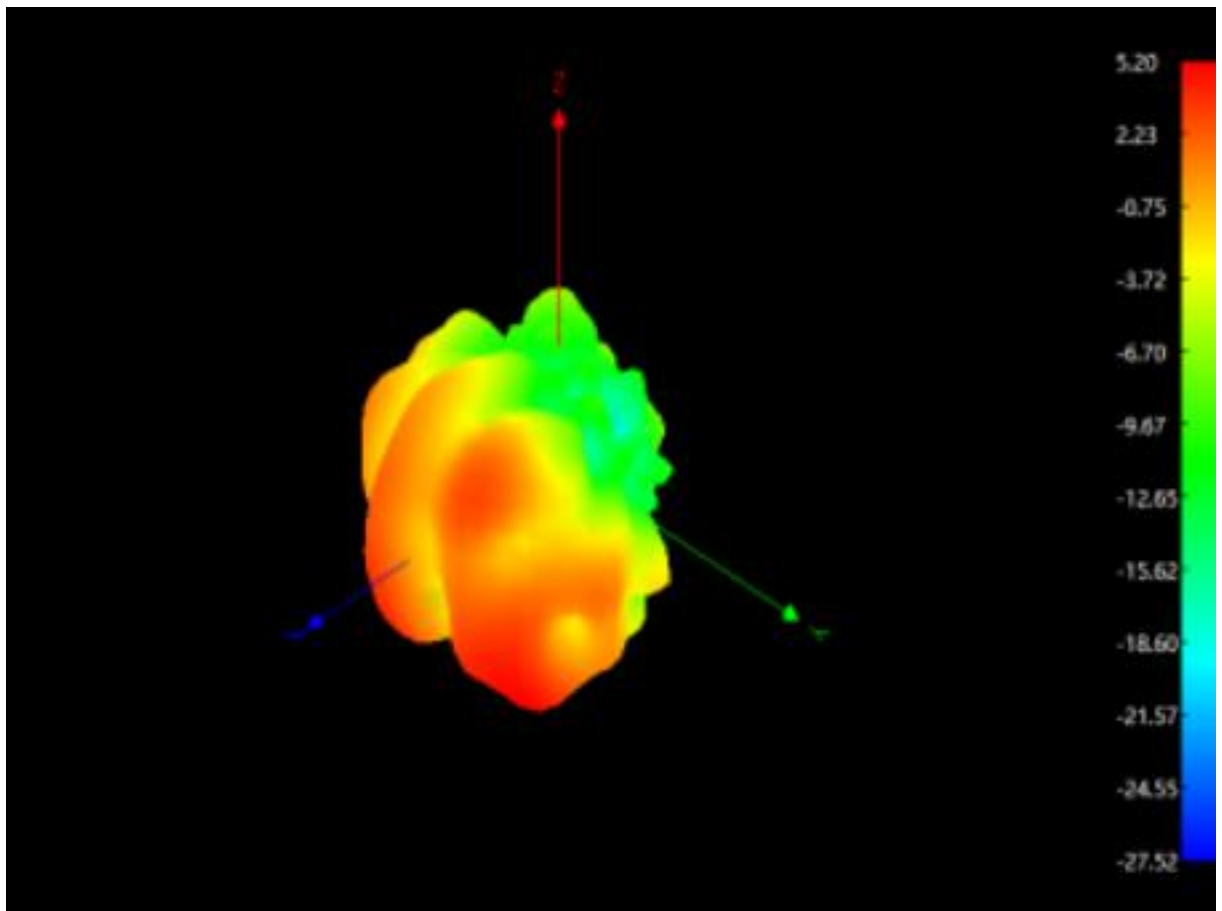


## Passive Test For WiFi Antenna(2.4G)

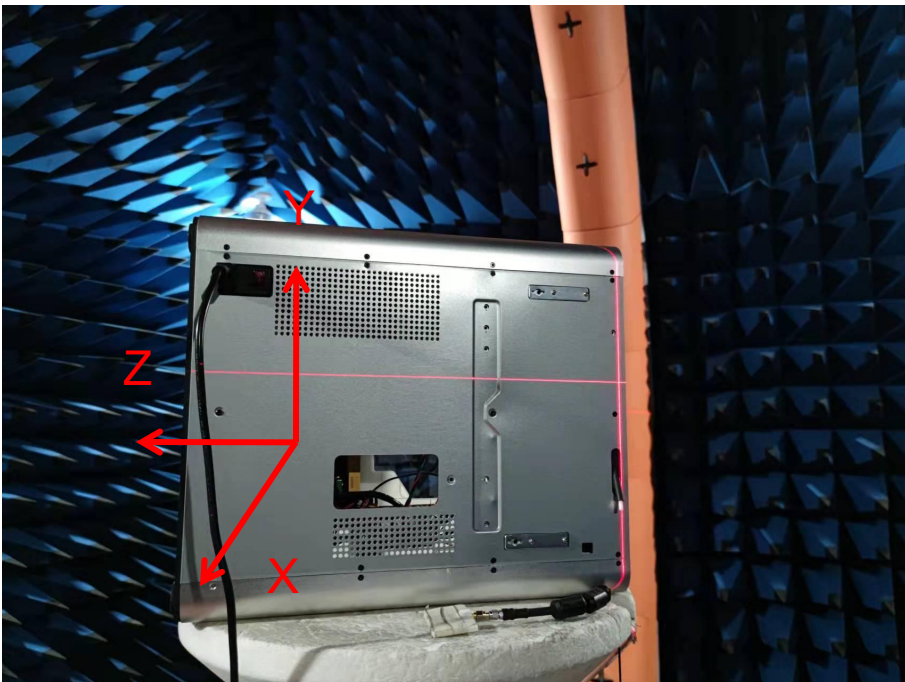
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	38.6	-4.1	5.1
2410	39.8	-4.0	5.2
2420	40.6	-3.9	5.2
2430	39.9	-4.0	5.1
2440	37.8	-4.2	4.8
2450	40.6	-3.9	5.2
2460	39.5	-4.0	5.1
2470	41.1	-3.9	5.2
2480	41.3	-3.8	4.9
2490	43.7	-3.6	5.4
2500	41.4	-3.8	5.3



## 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