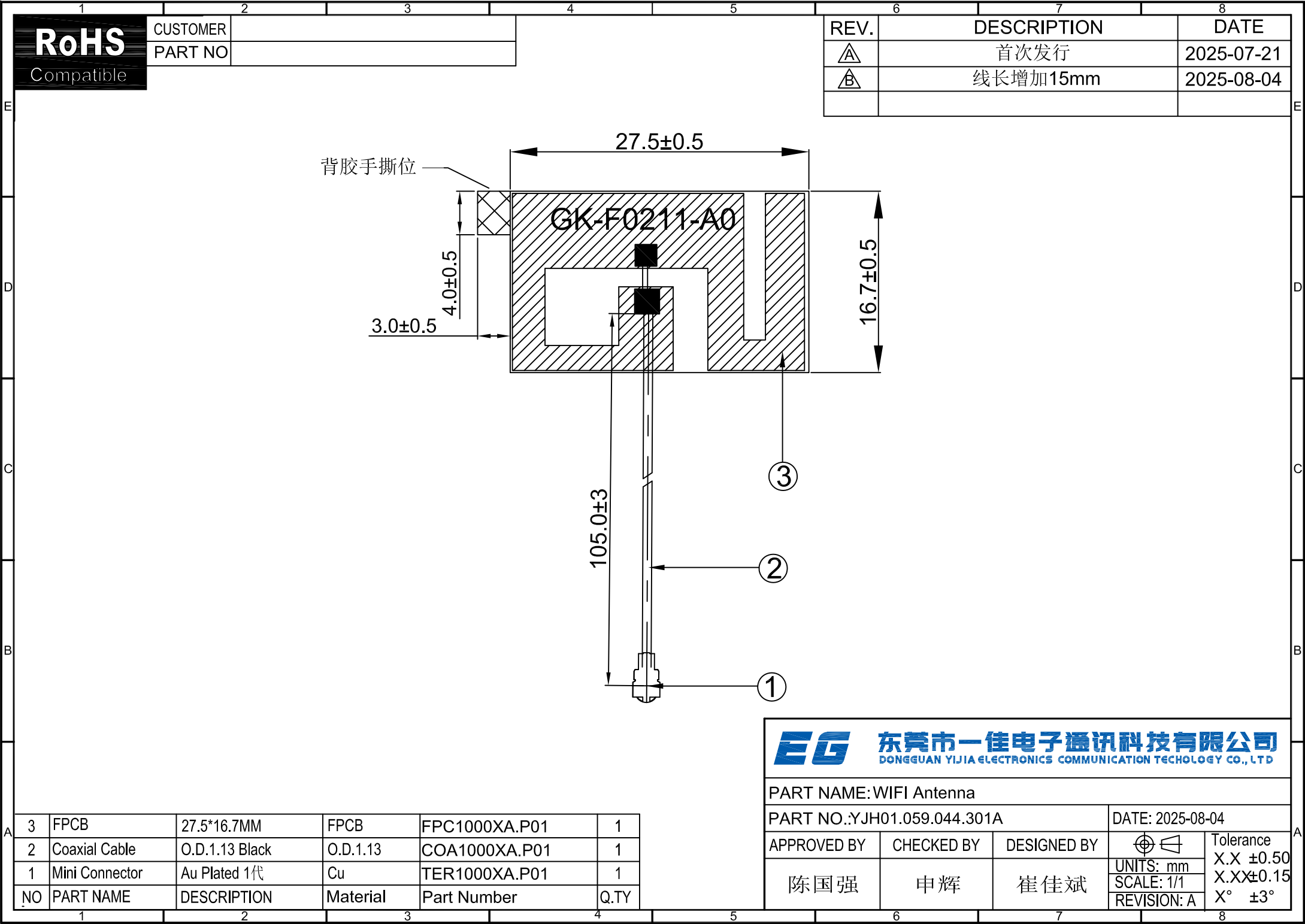




RoHS

Compatible

CUSTOMER

PART NO

REV.

DESCRIPTION

DATE

A

首次发行

2025-07-21

B

线长增加15mm

2025-08-04

背胶手撕位

GK-F0211-A0

③

②

①

105.0±3

27.5±0.5

16.7±0.5

4.0±0.5

3.0±0.5



东莞市一佳电子通讯科技有限公司
DONGGUAN YIJIA ELECTRONICS COMMUNICATION TECHNOLOGY CO., LTD

PART NAME: WIFI Antenna

PART NO.: YJH01.059.044.301A

DATE: 2025-08-04

APPROVED BY

CHECKED BY

DESIGNED BY



Tolerance

陈国强

申辉

崔佳斌

UNITS: mm

SCALE: 1/1

REVISION: A

X.X ±0.50

X.XX±0.15

X° ±3°

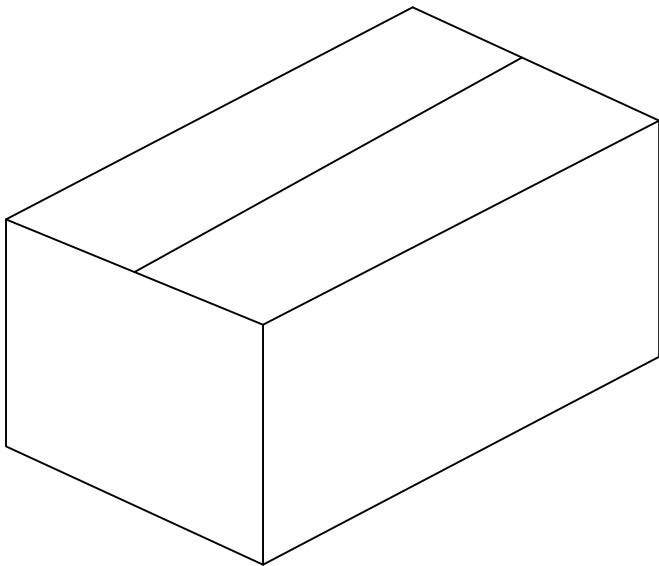
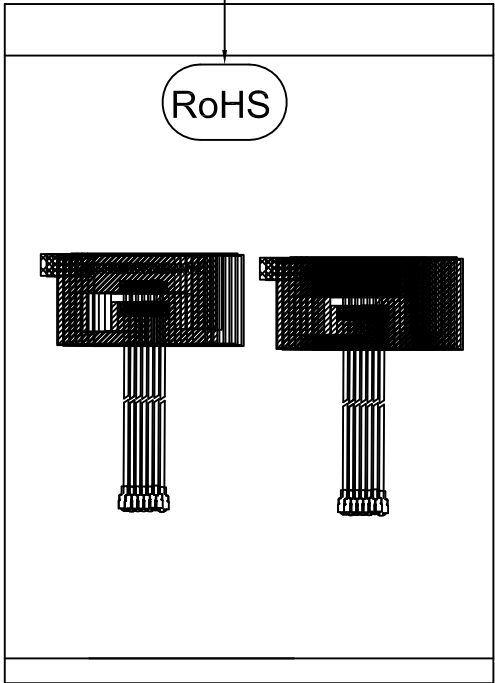
3	FPCB	27.5*16.7MM	FPCB	FPC1000XA.P01	1
2	Coaxial Cable	O.D.1.13 Black	O.D.1.13	COA1000XA.P01	1
1	Mini Connector	Au Plated 1代	Cu	TER1000XA.P01	1
NO	PART NAME	DESCRIPTION	Material	Part Number	Q.TY

RoHS
Compatible

包装说明

REV.	DESCRIPTION	DATE
△	首次发行	2025-07-24

环保标签



1. 25PCS/扎

2. 100PCS/袋

3. 5000PCS/每箱

备注:

天线交货袋装及箱装尺寸根据实际出货数量进行调整。



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DONGGUAN YIJIA ELECTRONICS COMMUNICATION TECHNOLOGY CO., LTD

PART NAME: RF Cable Parts				
PART NO.:YJH01.059.044.301A			DATE: 2025-07-24	
APPROVED BY	CHECKED BY	DESIGNED BY		Tolerance
陈国强	申辉	崔佳斌	UNITS: mm	X.X ±0.50
			SCALE: 1/1	X.XX±0.15
			REVISION: A	X° ±3°



天线规格
Antenna Specification

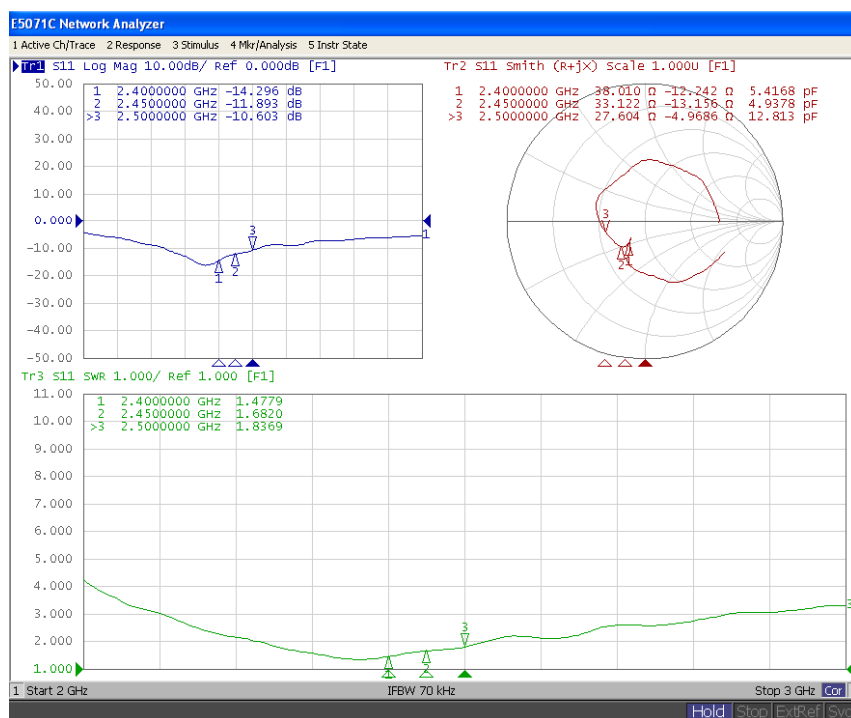
Electrical Properties	
Frequency	2.4-2.5GHz
Impedance	50 Ohm Nominal
V.S.W.R	2.0 Max
Gain	2.0 dBi
Radiation	Omni-directional
Polarization	Linear
Physical Properties	
Connector	1代IPEX
Cable Type	O.D.1.13mm
Cable Length	105mm
Cable Color	Black
Operating Temp	-20~+70℃
Storage Temp	-20~+70℃





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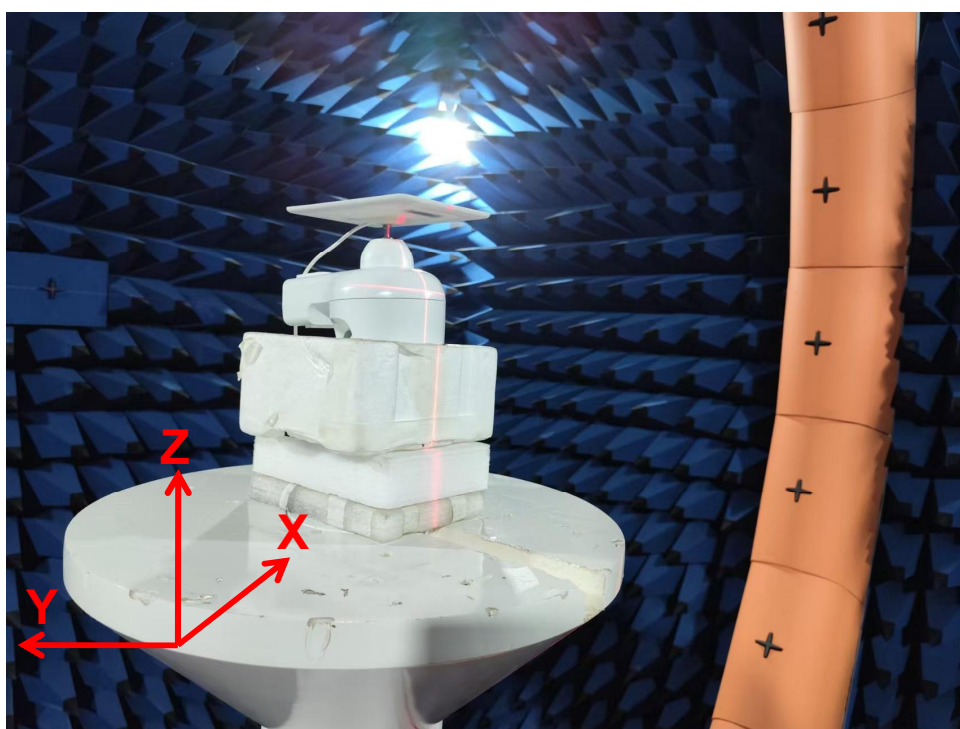
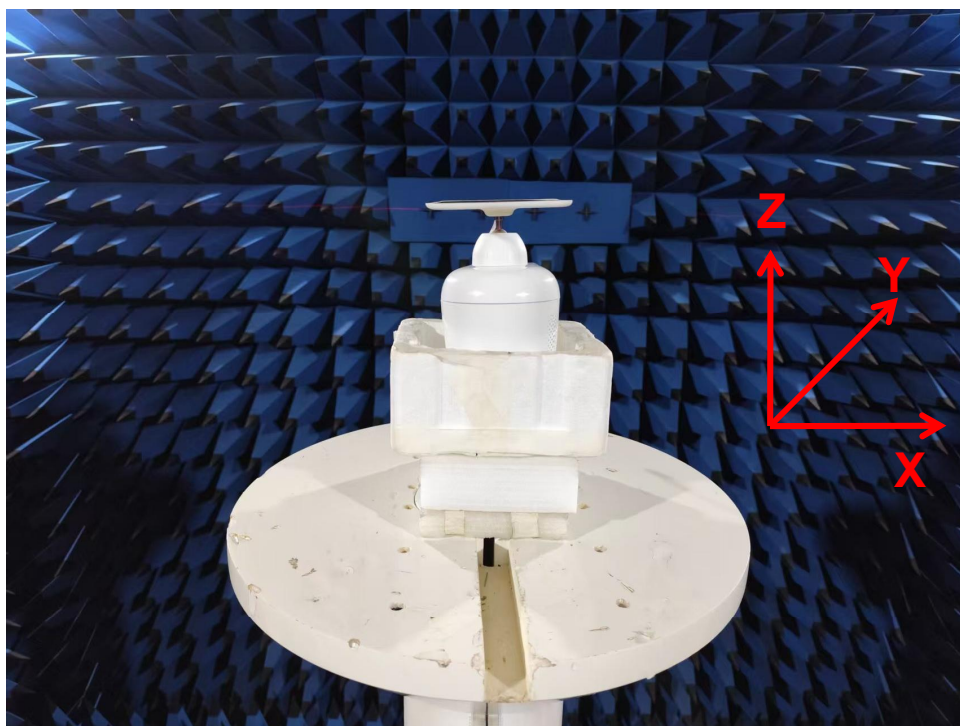
Agilent E5071C S Parameter Test // WiFi Antenna



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Antenna Passive Test



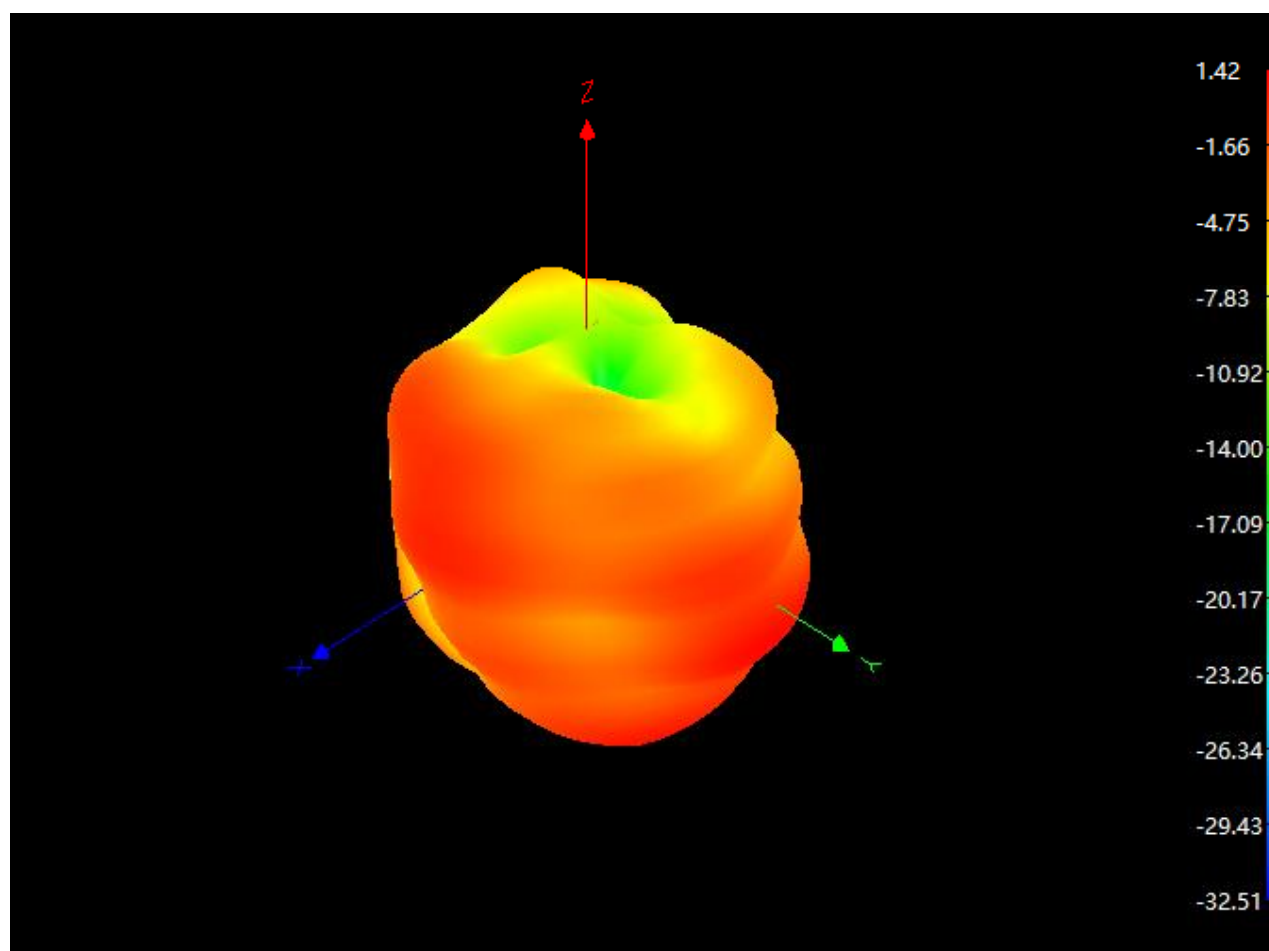


Passive Test For WiFi Antenna(2.4G)			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	52.4	-2.8	1.9
2410	50.9	-2.9	2.0
2420	52.5	-2.8	1.9
2430	52.7	-2.8	1.8
2440	50.2	-3.0	1.5
2450	53.3	-2.7	1.4
2460	49.3	-3.1	1.0
2470	48.4	-3.1	1.1
2480	49.7	-3.0	1.1
2490	50.1	-3.0	1.1
2500	47.3	-3.2	1.2





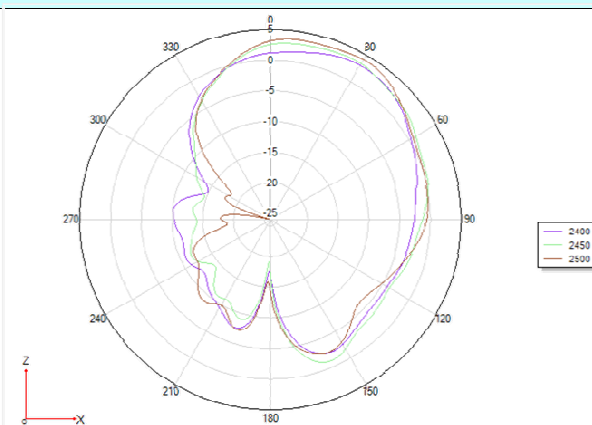
Radiation Pattern For WiFi Antenna (2450MHz)



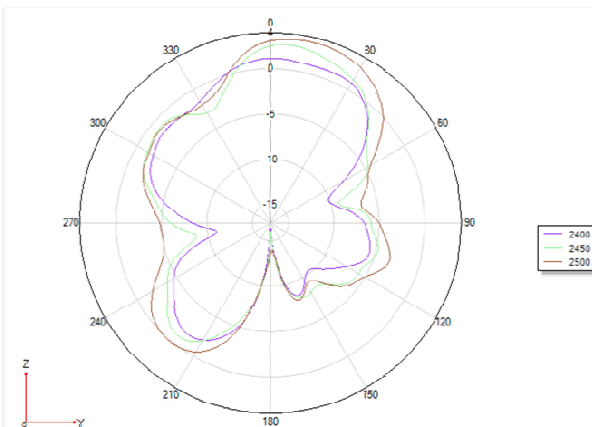


Radiation Pattern For WiFi Antenna

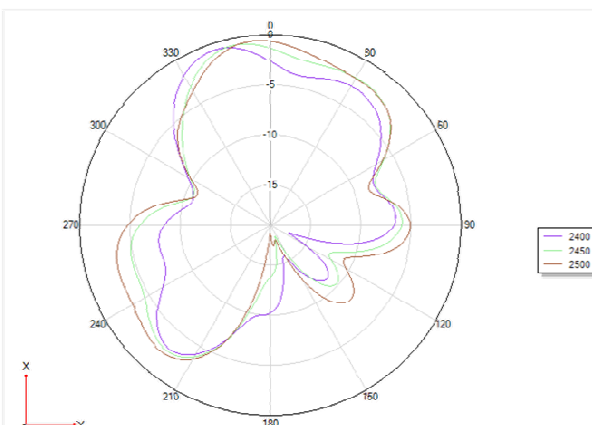
Phi 0°



Phi 90°



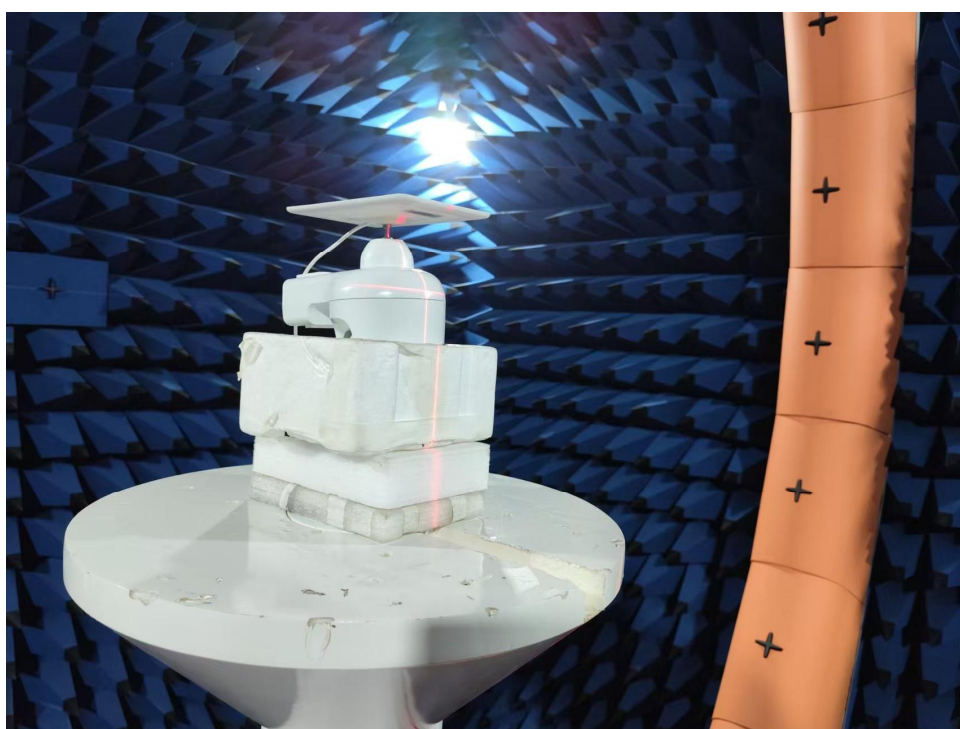
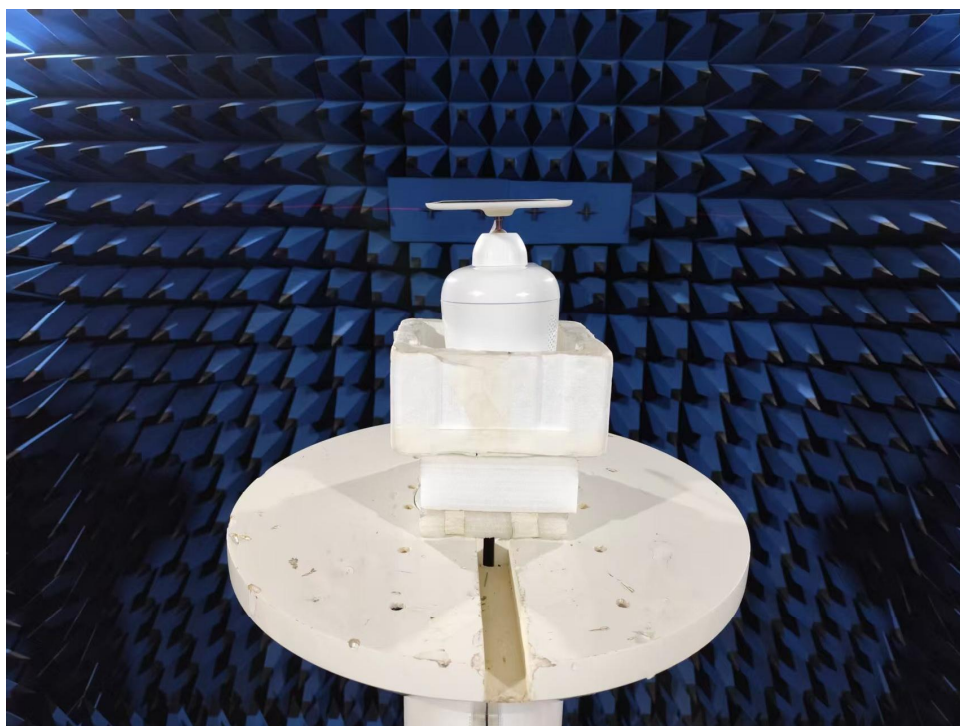
Theta 90°





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Antenna Active Test



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Active Test For WiFi Antenna					
Band	Channel	Data Rate	TRP	Data Rate	TIS
WIFI 2.4G 802.11b	1	11Mbps	19.4	11Mbps	-86.3
	6		18.8		-86.2
	11		18.2		-82.4
WIFI 2.4G 802.11g	1	54Mbps	14.4	54Mbps	-68.2
	6		13.8		-68.1
	11		13.2		-64.7
WIFI 2.4G 802.11n	1	65Mbps	13.9	65Mbps	-65.3
	6		13.2		-65.8
	11		12.7		-62.0





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Device



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WiFi Antenna

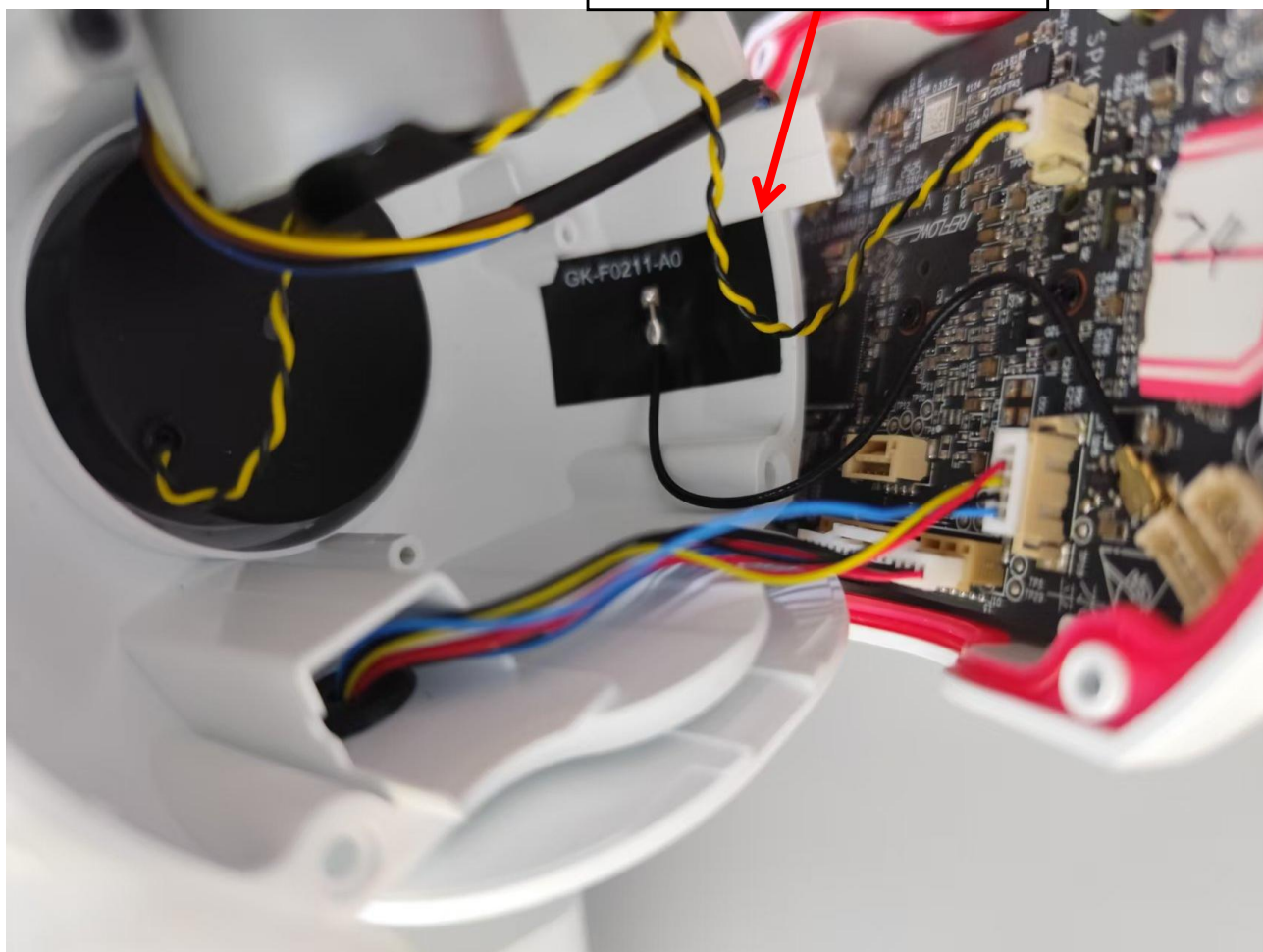


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WiFi ANT



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