

RoHS

Compatible

CUSTOMER

PART NO

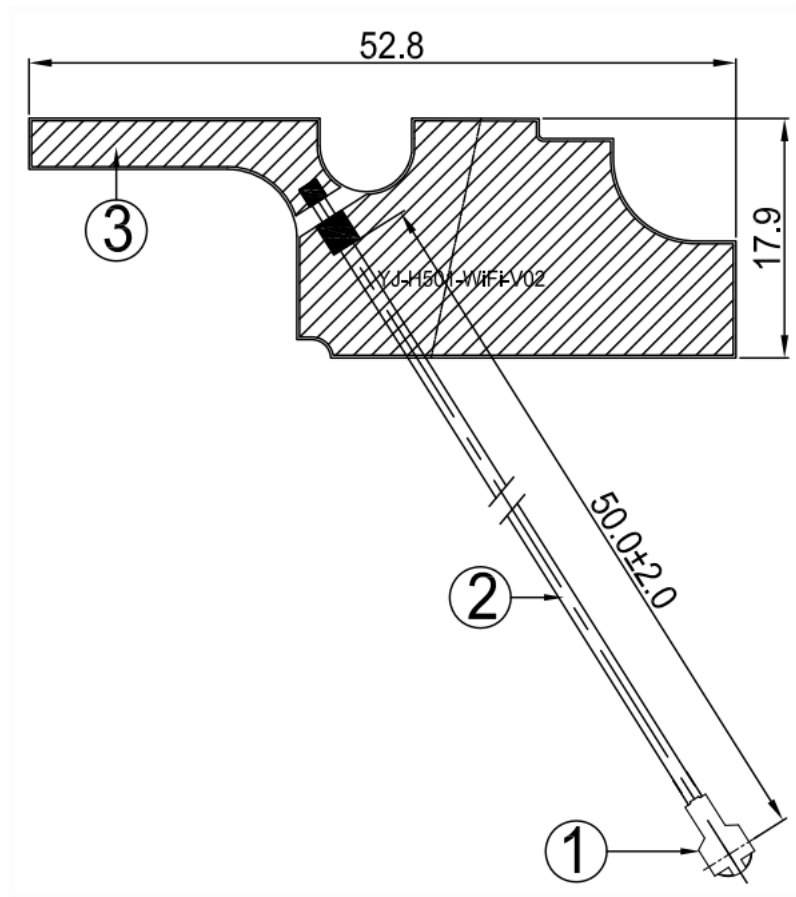
REV.

A

DESCRIPTION

DATE

2024-12-11



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 L=50.0mm MHF

PART NO.: YJL01.106.076.301A

DATE: 2024-12-11

APPROVED BY

CHECKED BY

DESIGNED BY

UNITS: mm

SCALE: 1/1

REVISION: A

Tolerance

X.X ±0.50

X.XX±0.15

X° ±3'

3	FPC	54.0*17.7mm	FPC	1
2	Coaxial Cable	OD0.81 Black	OD0.81	1
1	MINI Conncter	Cu Au Plated 3rd	Cu	1
NO	PART NAME	DESCRIPTION	Material	Q.TY



天线规格
Antenna Specification

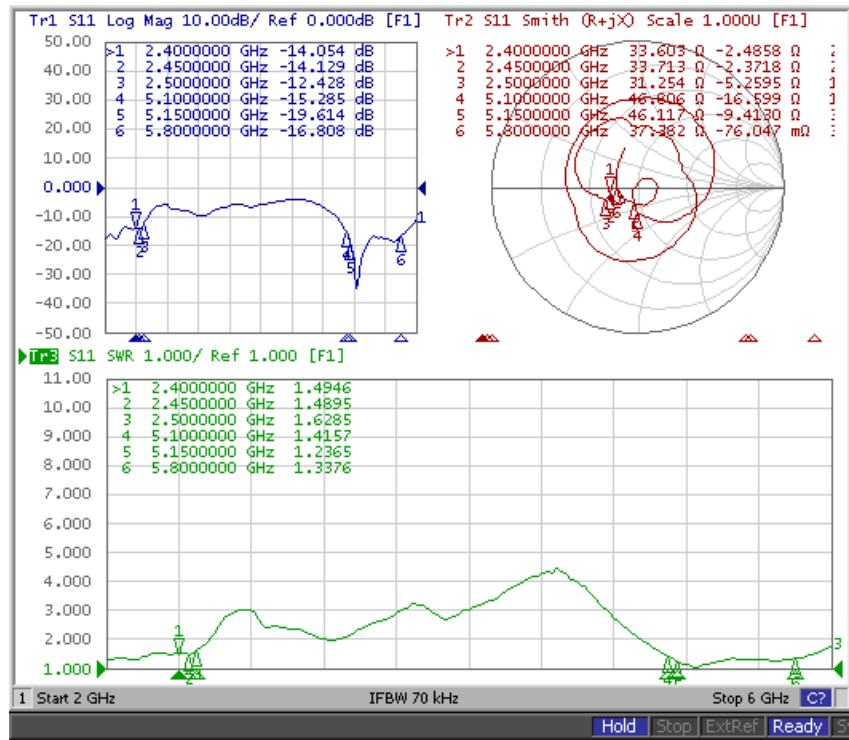
Electrical Properties	
Frequency	2.4-2.5GHz
Impedance	50 Ohm Nominal
V.S.W.R	2.0 Max
Gain	3.3 dBi@2.4-2.5GHz
Radiation	Omni-directional
Polarization	Linear
Physical Properties	
Connector	3rd generation IPEX
Cable Type	O.D.0.81mm
Cable Length	50mm
Cable Color	Black
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity	25±5°C / <70%





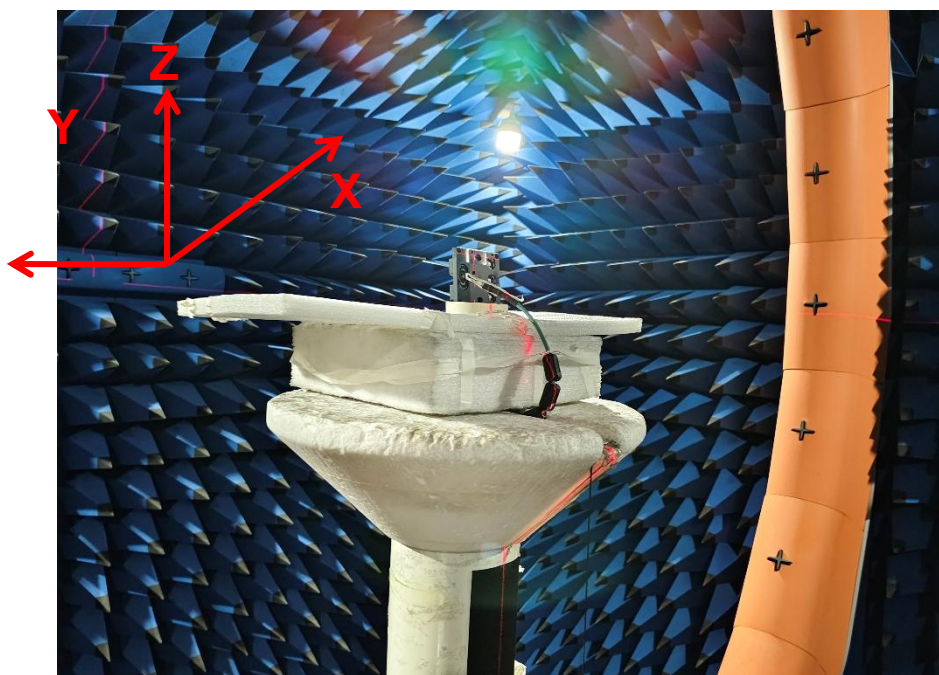
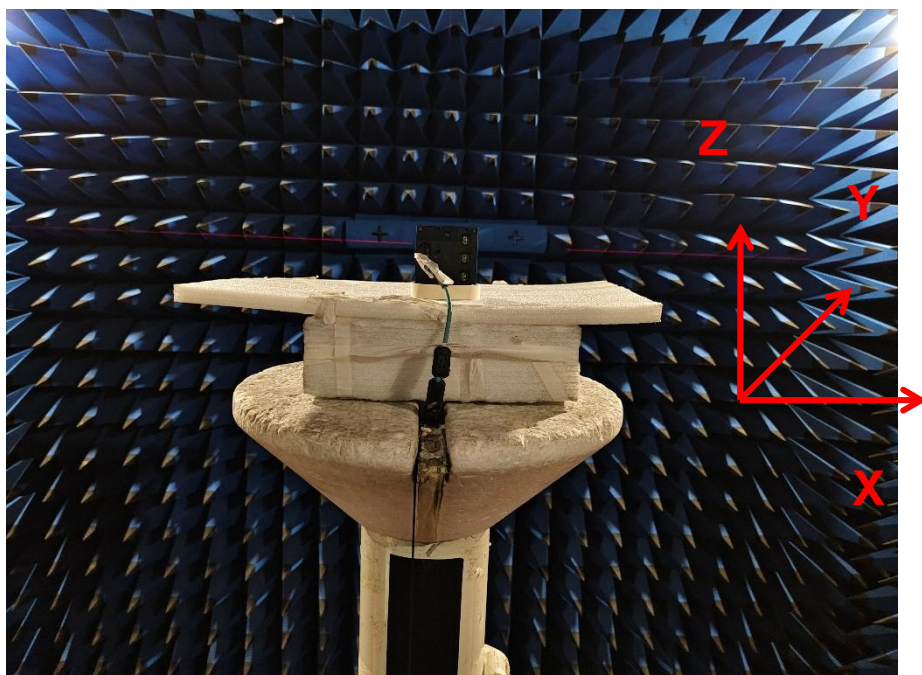
Antenna Performance Test

*Agilent
E5071C
S
Parameter
Test //
WiFi
Antenna*





Antenna Passive Test





Passive Test For WiFi Antenna(2.4G)

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	55.9	-2.5	2.8
2410	56.4	-2.5	2.9
2420	56.0	-2.5	2.8
2430	57.4	-2.4	3.2
2440	57.8	-2.4	3.0
2450	58.9	-2.3	3.3
2460	56.2	-2.5	3.0
2470	57.0	-2.4	3.2
2480	55.2	-2.6	3.0
2490	55.9	-2.5	3.1
2500	53.1	-2.8	2.8





Radiation Pattern For WiFi Antenna(2450MHz)

