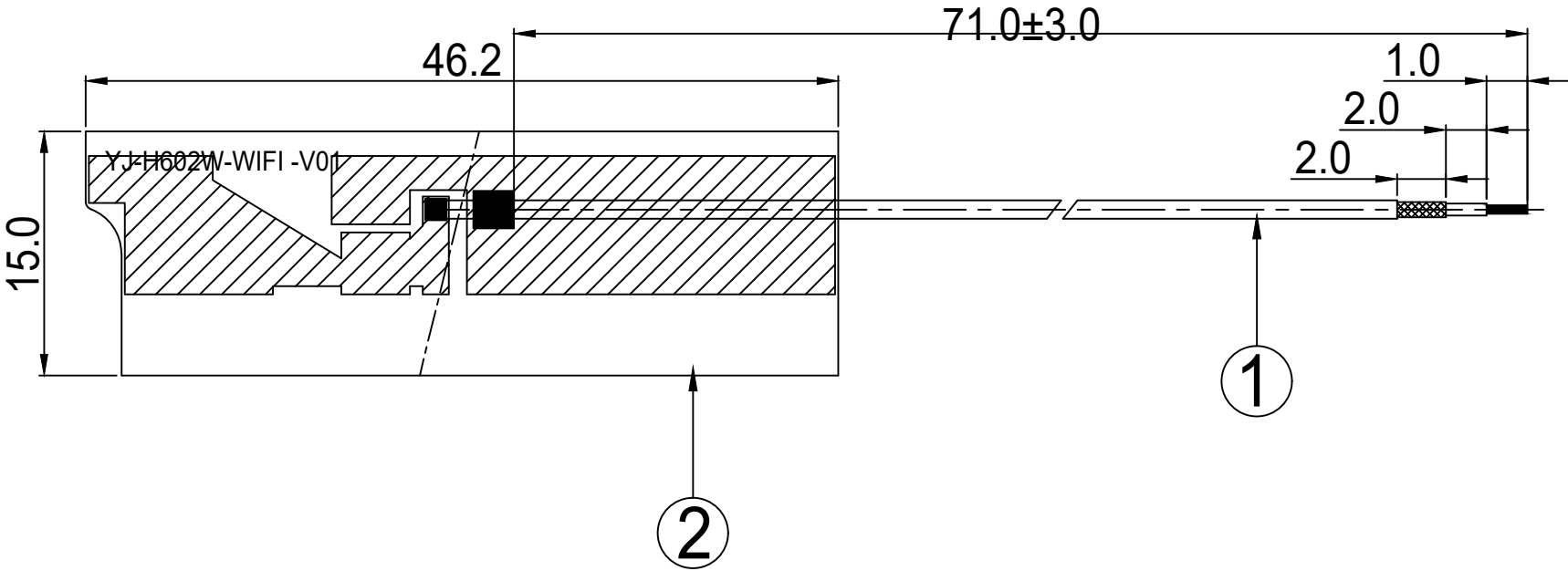


RoHS
Compatible

CUSTOMER	
PART NO	

REV.	DESCRIPTION	DATE
A		2024-11-25
B		2024-12-17



EG 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双频 Antenna L=71mm

PART NO.: YJL01.106.077.301A

DATE: 2024-12-17

APPROVED BY

CHECKED BY

DESIGNED BY

UNITS: mm

SCALE: 1/1

REVISION: B

Tolerance
X.X ±0.50
X.XX±0.15
X° ±3°

2	FPC	46.2*15.0mm	FPC	1
1	Coaxial Cable	O.D.1.13 Black	O.D.1.13	1
NO	PART NAME	DESCRIPTION	Material	Q.TY



天线规格
Antenna Specification

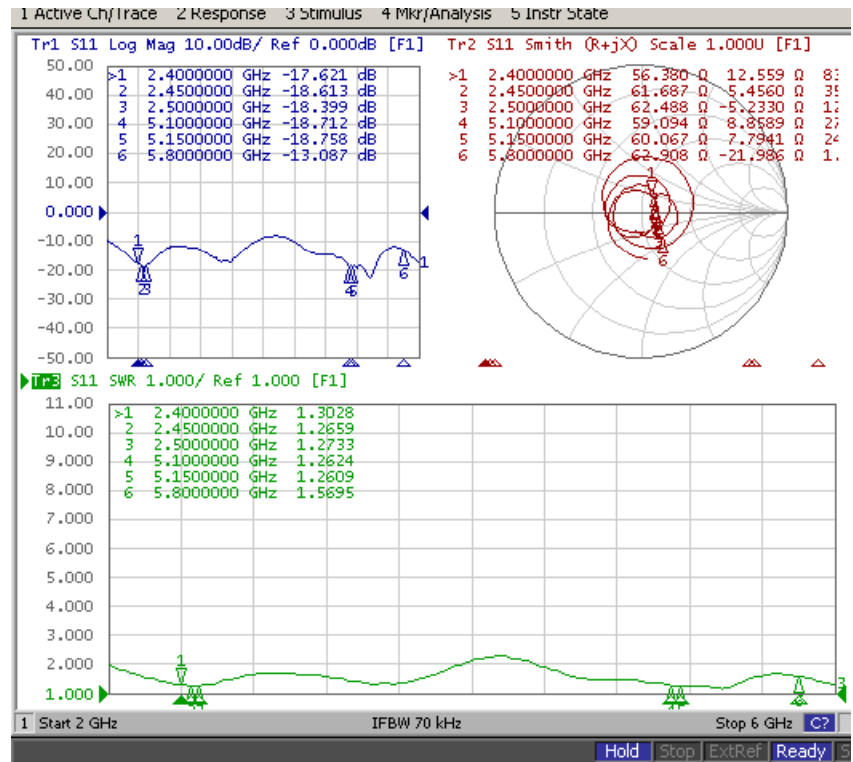
Electrical Properties	
Frequency	2.4-2.5GHz 5.15-5.85GHz
Impedance	50 Ohm Nominal
V.S.W.R	2.0 Max
Gain	4.0 dBi@2.4-2.5GHz 3.2 dBi@5.15-5.85GHz
Radiation	Omni-directional
Polarization	Linear
Physical Properties	
Connector	None
Cable Type	O.D.1.13mm
Cable Length	71mm
Cable Color	Black
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity	25±5°C / <70%





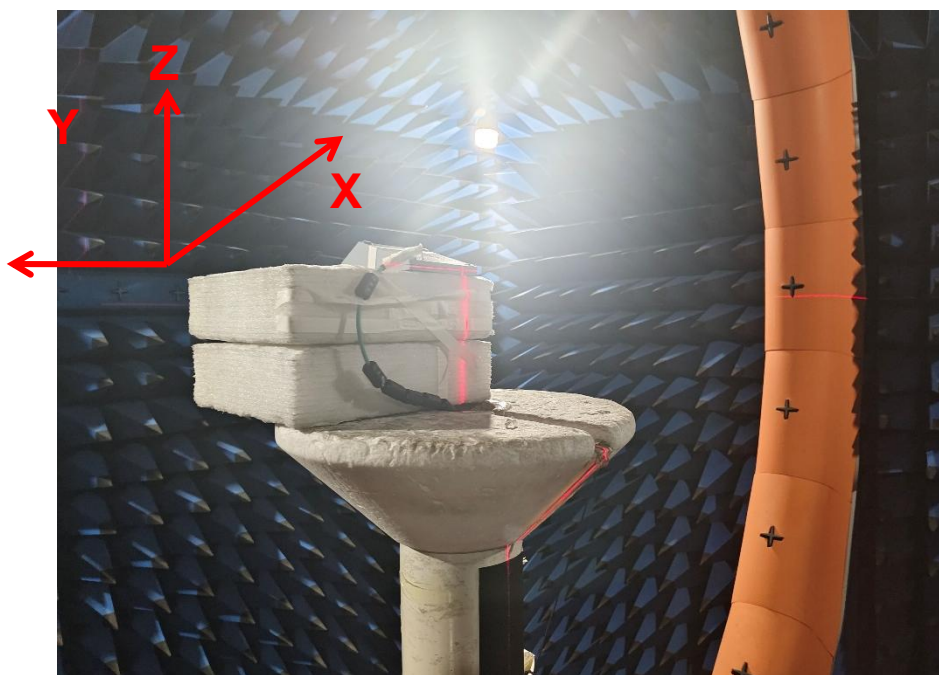
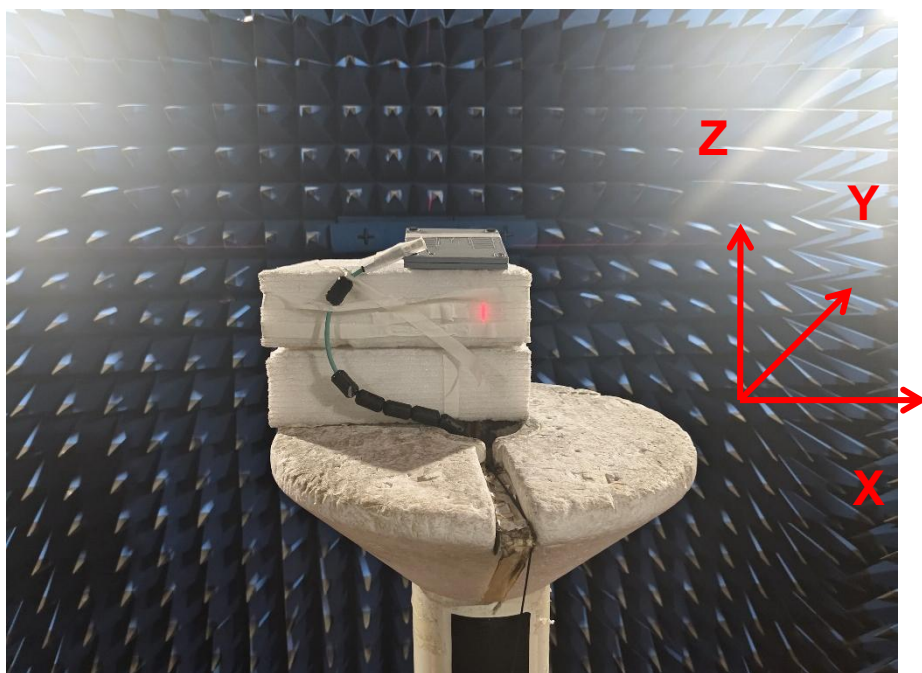
Antenna Performance Test

*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	51.0	-2.9	3.6
2410	52.8	-2.8	3.7
2420	54.2	-2.7	3.7
2430	56.2	-2.5	3.8
2440	56.0	-2.5	3.7
2450	58.3	-2.3	3.9
2460	55.2	-2.6	3.7
2470	58.4	-2.3	4.0
2480	56.3	-2.5	3.6
2490	57.1	-2.4	3.7
2500	54.4	-2.6	3.4





Passive Test For WiFi Antenna(5.8G)

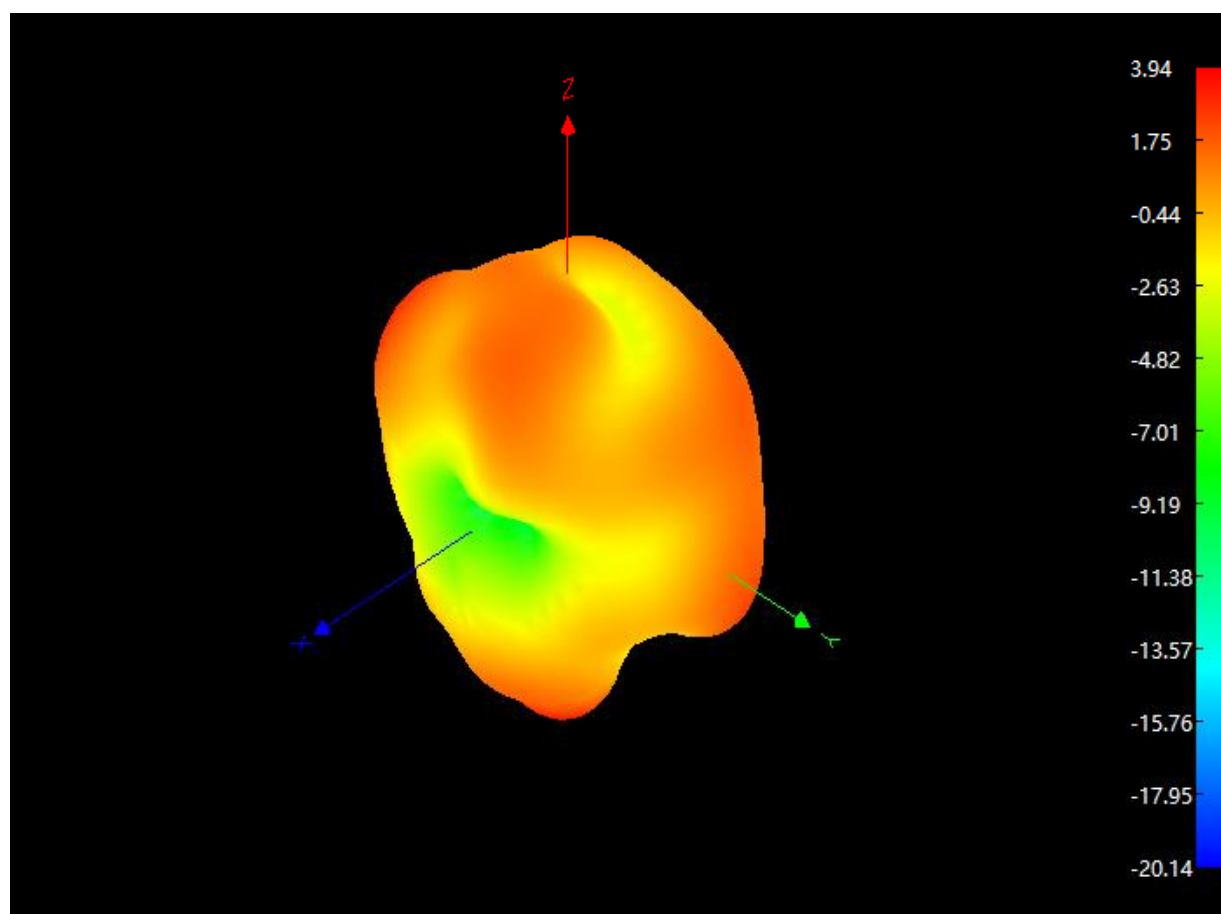
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5150	58.8	-2.3	3.2
5200	59.0	-2.3	3.1
5250	53.9	-2.7	3.0
5300	52.2	-2.8	3.2
5350	53.5	-2.7	2.7
5400	61.2	-2.1	2.8
5450	62.9	-2.0	2.4
5500	57.0	-2.4	1.8
5550	64.7	-1.9	2.6
5600	61.2	-2.1	2.2
5650	51.3	-2.9	1.7
5700	49.4	-3.1	2.0
5750	49.4	-3.1	1.9
5800	48.1	-3.2	2.3
5850	51.5	-2.9	2.5





Radiation Pattern For WiFi Antenna(2450MHz)

unit: dBi





Radiation Pattern For WiFi Antenna(5150MHz)

unit: dBi

