



Dongguan YiJia Electronics Communication Technology Co.,Ltd.

SPECIFICATION FOR APPROVAL

Date 2023/06/13

File No 23061301

Revision 1.0

CUSTOMER: Guide Sensmart

CUSTOMER NO: ZG15A

PART NAME: WIFI Antenna L=74mm MHF

SUPPLIER NO: YJT01.220.017.301A

Date:

Q “TY:

CUSTOMER APPROVED BY

APPROVAL

CHIEF

SUPERVISOR

SUPPLIER SIGNATURE

APPROVAL

CHECK

DESIGN

ChenGuoqiang

XieLi

ChenXingyi

YJ-RD-F04-A

add: Tel:0769-82586086 Fax:0769-82586086



Admission book item table

NO ·	(Contents)	(Number of Page)	(Page Code)
1	(Spec Cover)	1	1
2	(Spec Item)	1	2
3	(Drawing)	1	3
4	(Antenna Specification)	1	4
5	(S Parameter)	1	5
6	(Passive Test)	2	6 ~ 7
7	(Radiation Pattern)	1	8
8	-	-	-
9	-	-	-
10	-	-	-
11	-	-	-
12	-	-	-
13	-	-	-

RoHS

Compatible

CUSTOMER

PART NO

REV.

DESCRIPTION

DATE

△

a

2023-02-09

△

b

2023-02-22

△

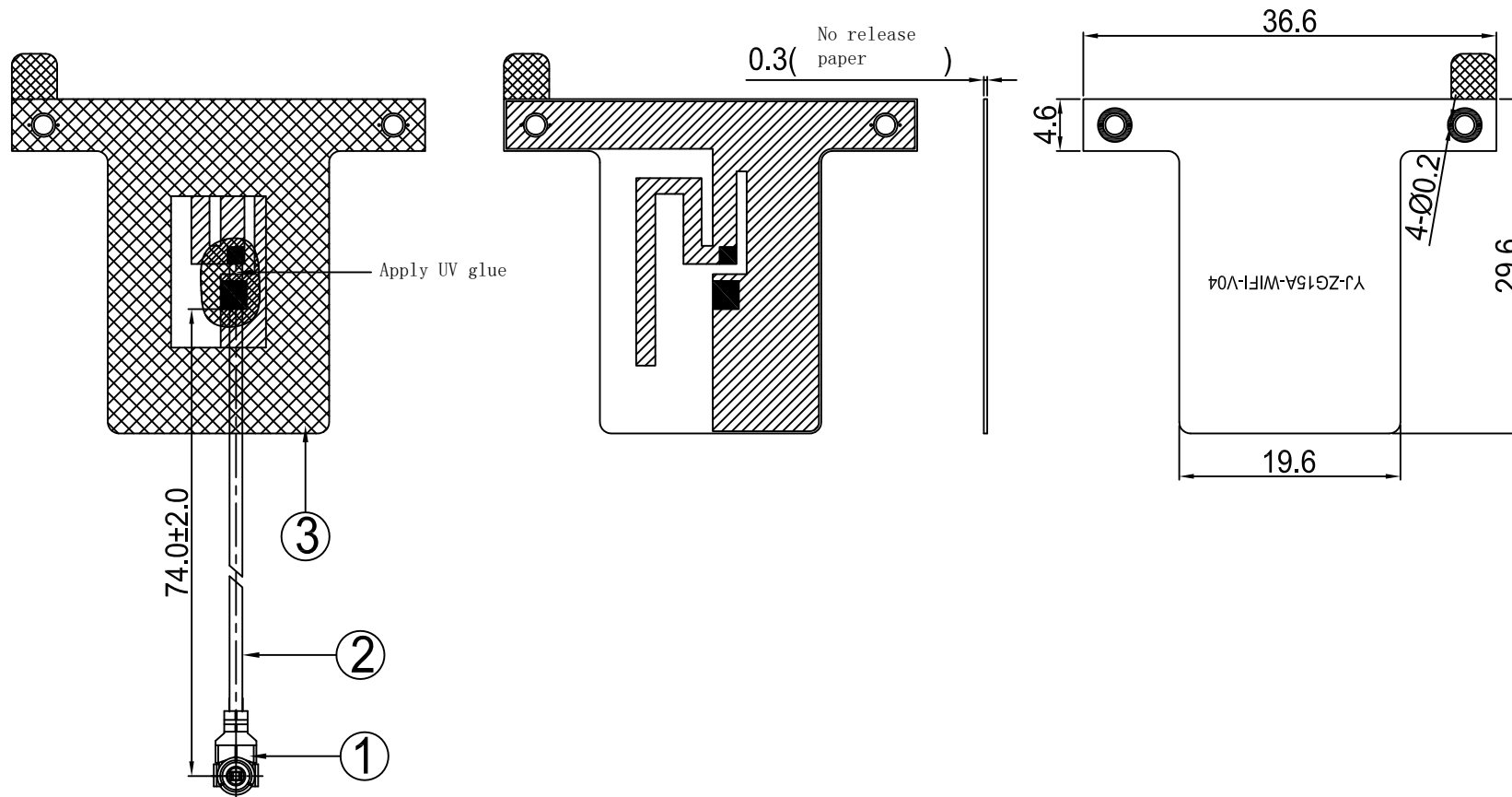
c

2023-03-14

△

d

2023-03-17



3	FPC	36.6*29.6mm	FPC	FPC11XXA.P01	1
2	Coaxial Cable	O.D.1.13 Black	O.D.1.13	COA100XXA.P01	1
1	Mini Connector	Au Plated 1代	Cu	TER100XXA.P01	1
NO	PART NAME	DESCRIPTION	Material	Part Number	Q.TY



Dongguan YiJia Electronics Communication Technology Co.,Ltd. Tel.:0769-82586086 Fax:0769-82586086

PART NAME: WIFI Antenna L=74mm MHF

PART NO.: YJT01.220.017.301A

DATE: 2023-03-17

APPROVED BY

CHECKED BY

DESIGNED BY



Tolerance

LU MING LAN

ZHOU YIN JIE

LIAO GUANG XI

UNITS: mm

SCALE: 1/1

REVISION: D

X.X ±0.50

X.XX±0.15

X° ±3°



Antenna Specification

Electrical Properties

Frequency	2.4-2.5GHz
Impedance	50 Ohm Nominal
V.S.W.R	3.0 Max
Gain	0.9 dBi
Radiation	Omni-directional
Polarization	Linear

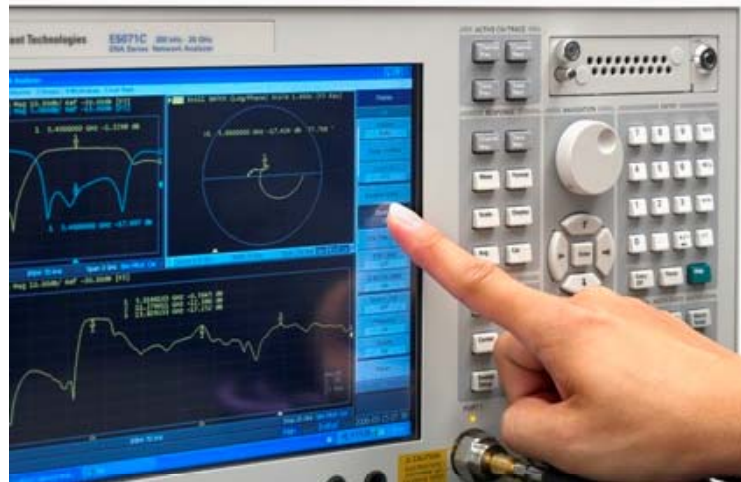
Physical Properties

Connector	generation IPEX
Cable Type	O.D.1.13mm
Cable Length	74mm
Cable Color	Black
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity	25±5°C / <70%

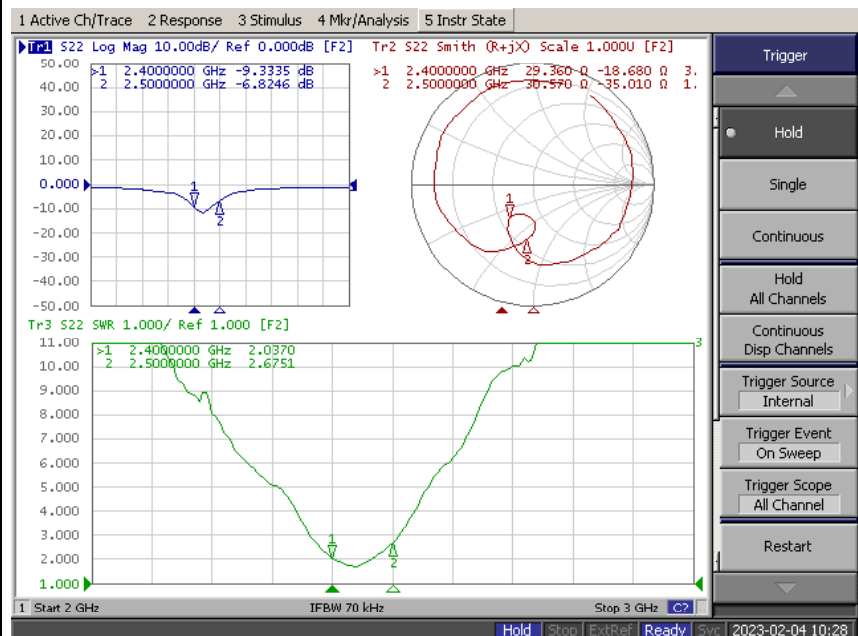


Antenna Performance Test

**Agilent
E5071B**

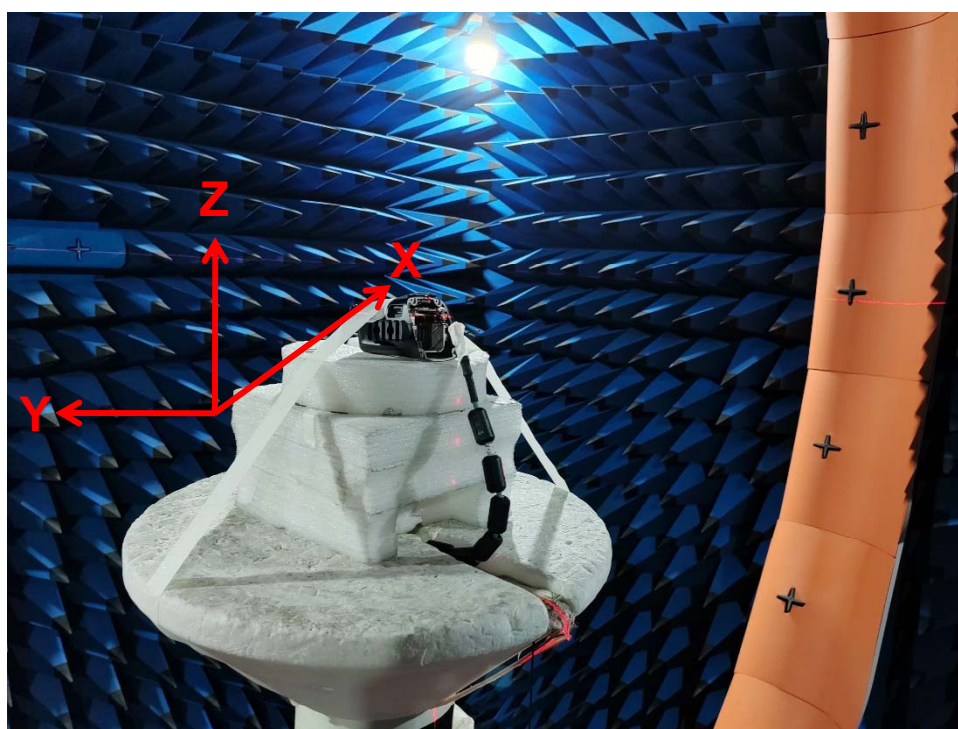
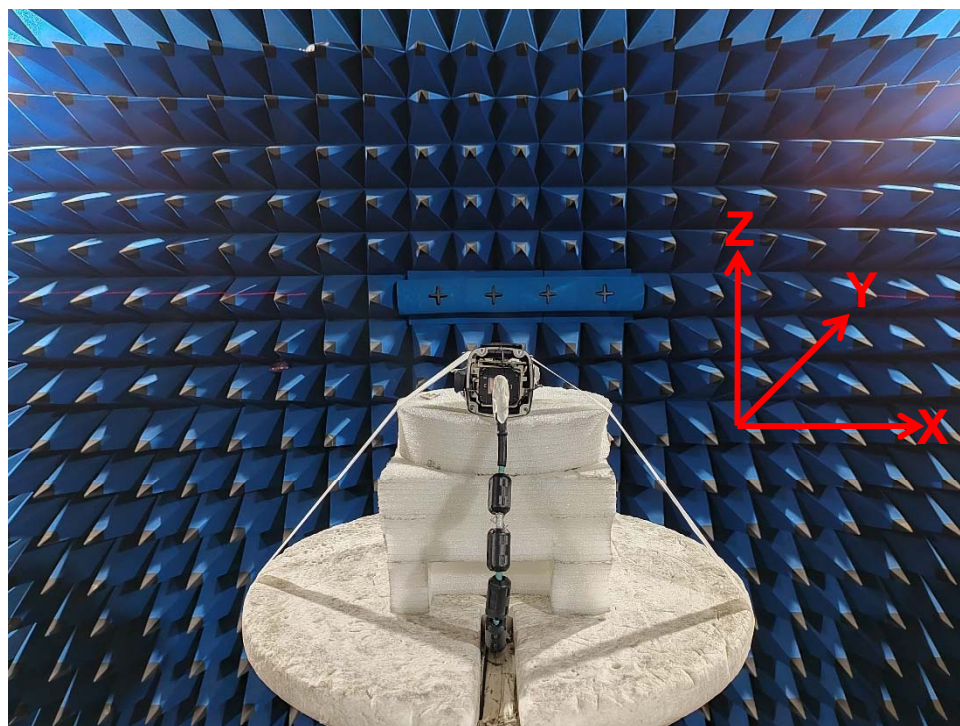


**S
Parameter
Test //
WIFI
Antenna**





Antenna Passive Test





Passive Test For WIFI Antenna(2.4G)

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	32.4	-4.9	0.6
2410	33.2	-4.8	0.7
2420	33.9	-4.7	0.7
2430	33.5	-4.8	0.8
2440	31.8	-5.0	0.9
2450	31.9	-5.0	0.9
2460	30.1	-5.2	0.8
2470	29.1	-5.4	0.7
2480	28.5	-5.5	0.6
2490	28.6	-5.4	0.5
2500	28.0	-5.5	0.4



Radiation Pattern For WIFI Antenna(2450MHz)

