



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



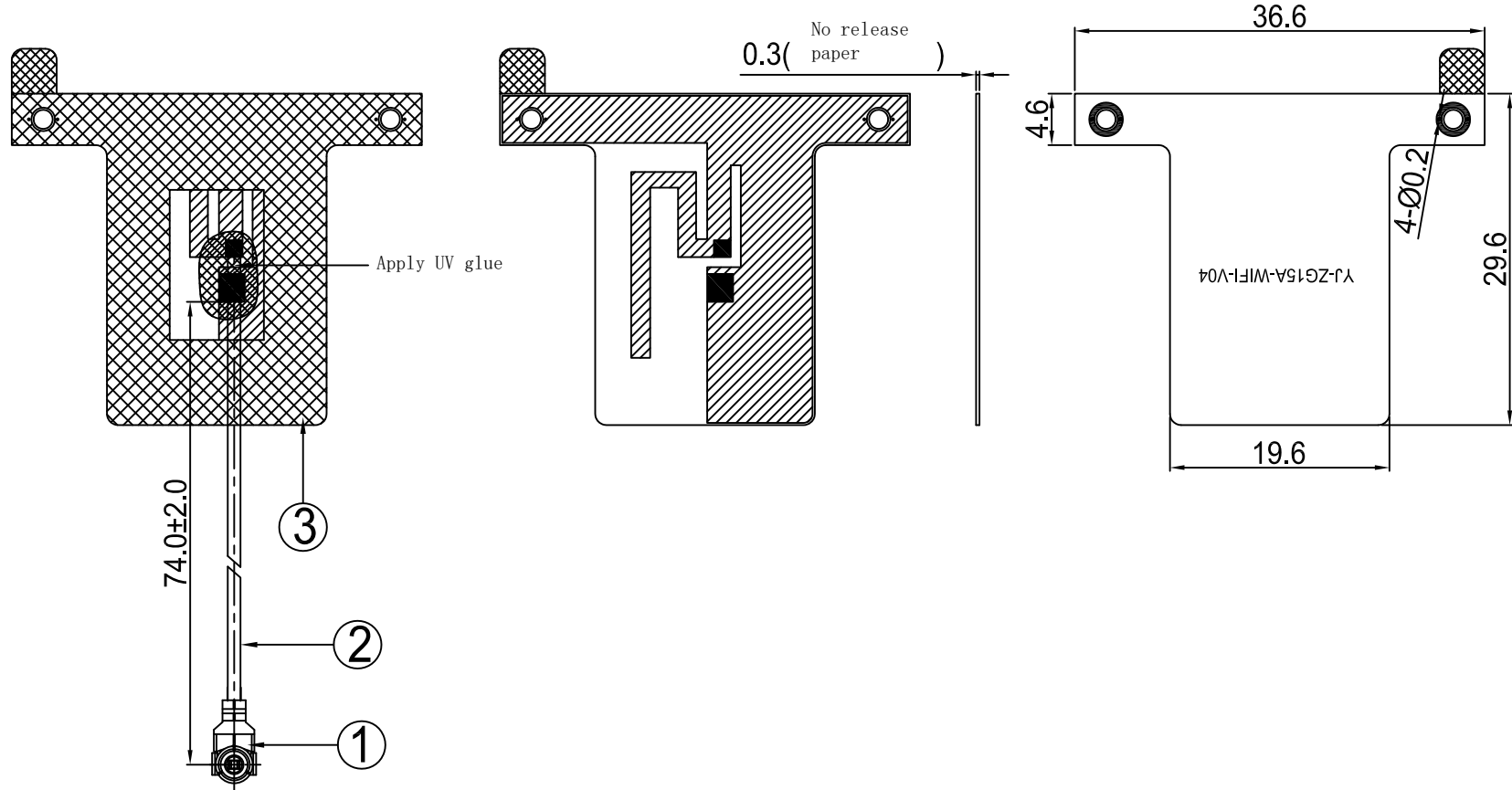
## Admission book item table

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11	-	-	-
12	-	-	-
13	-	-	-

**RoHS**  
Compatible

CUSTOMER	
PART NO	

REV.	DESCRIPTION	DATE
△A	a	2023-02-09
△B	b	2023-02-22
△C	c	2023-03-14
△D	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



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PART NAME: WIFI Antenna L=74mm MHF

PART NO.: YJT01.220.017.301A

DATE: 2023-03-17

APPROVED BY	CHECKED BY	DESIGNED BY	 UNITS: mm SCALE: 1/1 REVISION: D	Tolerance
LU MING LAN	ZHOU YIN JIE	LIAO GUANG XI		X.X ±0.50
				X.XX±0.15
				X° ±3°



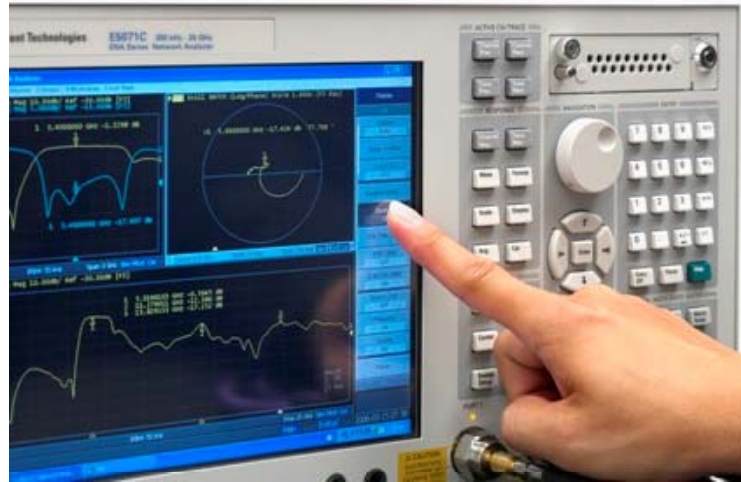
# Antenna Specification

<b>Electrical Properties</b>	
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
<b>Physical Properties</b>	
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%

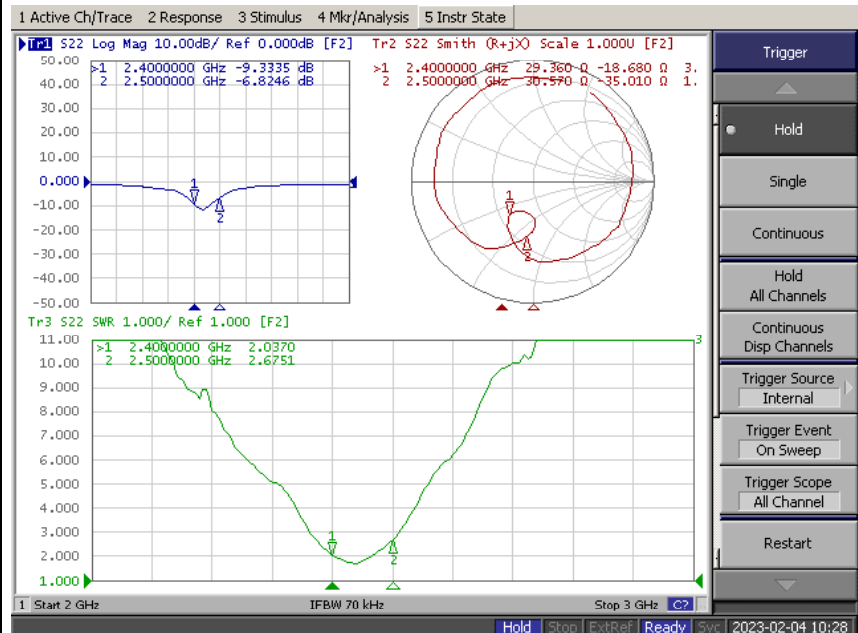


# Antenna Performance Test

**Agilent  
E5071B**

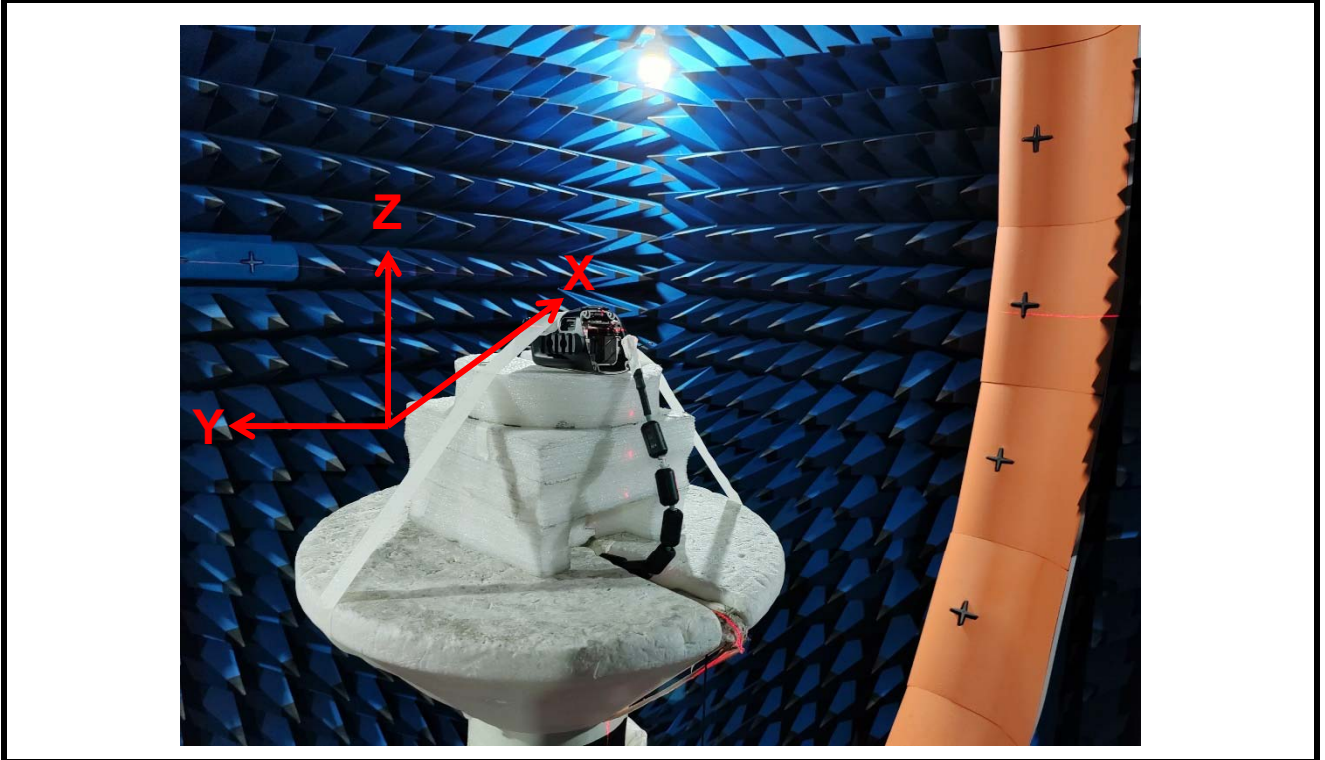
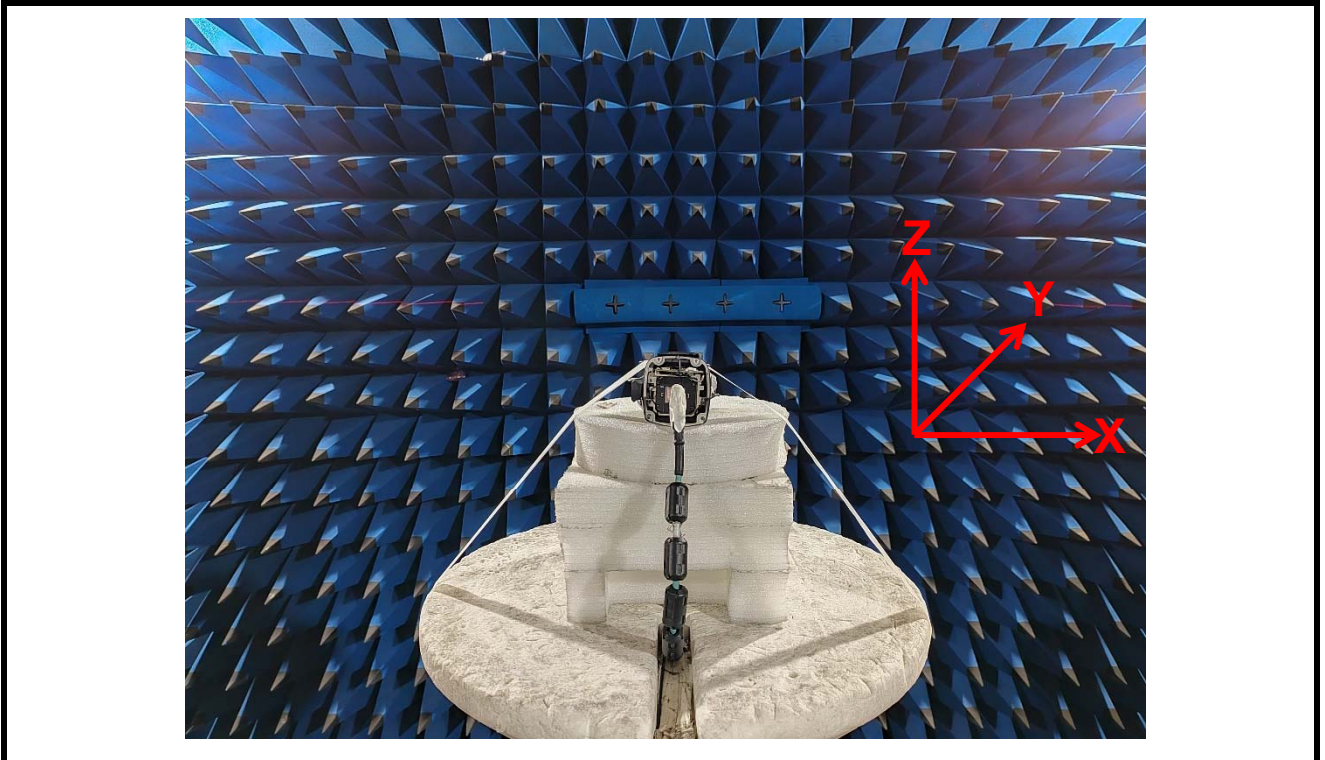


**S  
Parameter  
Test //  
WIFI  
Antenna**





## *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)

