



深圳市联笙科技有限公司

ShengZhen LianSheng Technology Co.,Ltd.

规格承认书

SPECIFICATION FOR APPROVAL

日期 Date 2022/09/05

编号 File No SA000937

版本 Revision 1.0

客 户

千岩

CUSTOMER:

客户料号

H7100

CUSTOMER NO:

品 名

WIFI Antenna L=120MM

供方料号

LSF.A1159.B113.01

送样日期 Date:

送样数量 Q"TY:

PCS

客户确认 CUSTOMER APPROVED BY

APPROVAL

CHIEF

SUPERVISOR

供方确认 SUPPLIER SIGNATURE

APPROVAL

CHECK

DESIGN

ChenGuoqiang

WenXue

ChenXingcheng

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RoHS
Compatible

CUSTOMER

PART NO

REV.

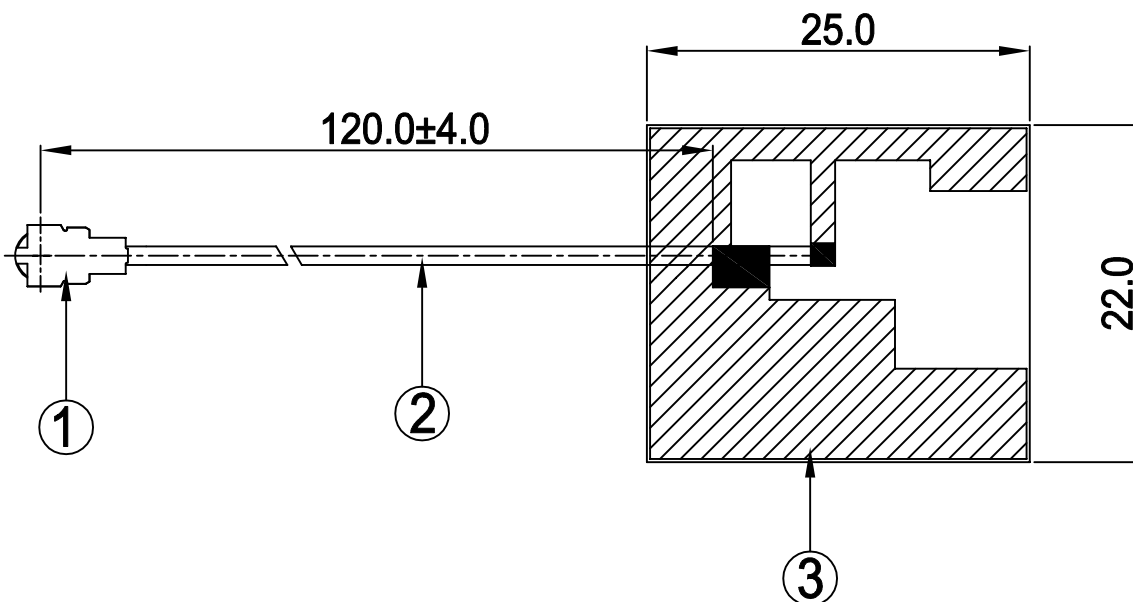


DESCRIPTION

首次发行

DATE

2022-08-31



深圳市联笙科技有限公司

Tel:0755-82885545

ShengZhen LianSheng Technology Co.,Ltd.

MP:13823198410

PART NAME: WIFI Antenna L=120MM MHF

PART NO.: LSF.A1159.B113.01

DATE: 2022-08-31

APPROVED BY

CHECKED BY

DESIGNED BY



Tolerance
X.X ±0.50
X.XX±0.15
X° ±3°

陈国强

林 斌

廖光喜

UNITS: mm

SCALE: 1/1

REVISION: A

3	FPCB	25.0*22.0MM	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

1

2

3

4

5

6

7

8

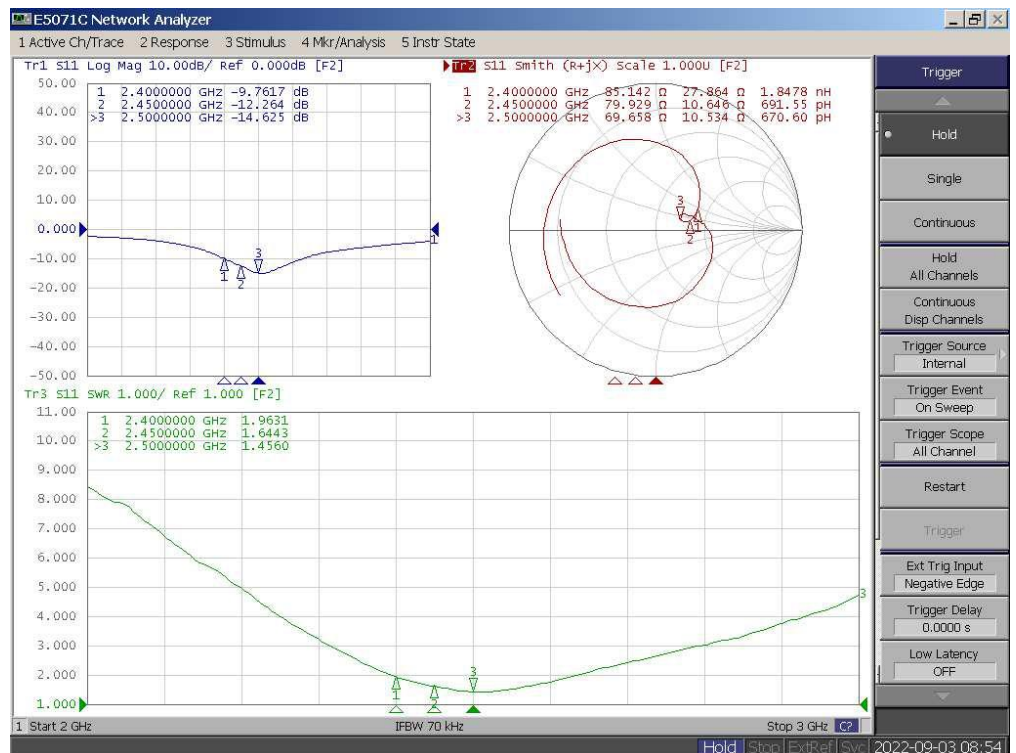
天线规格

Antenna Specification

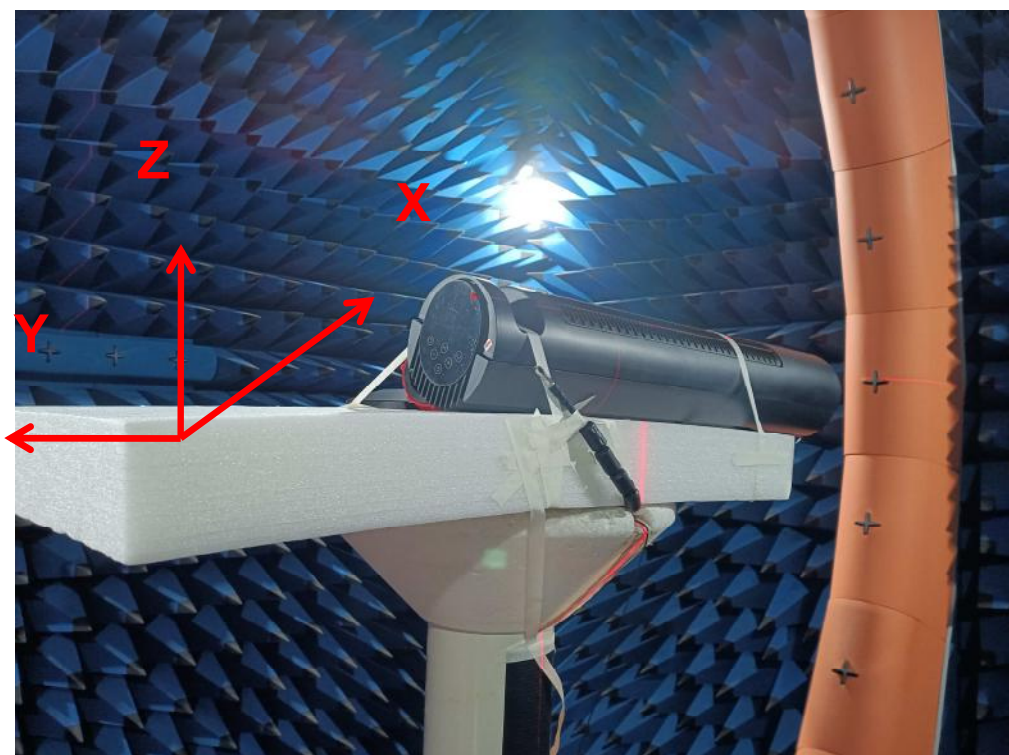
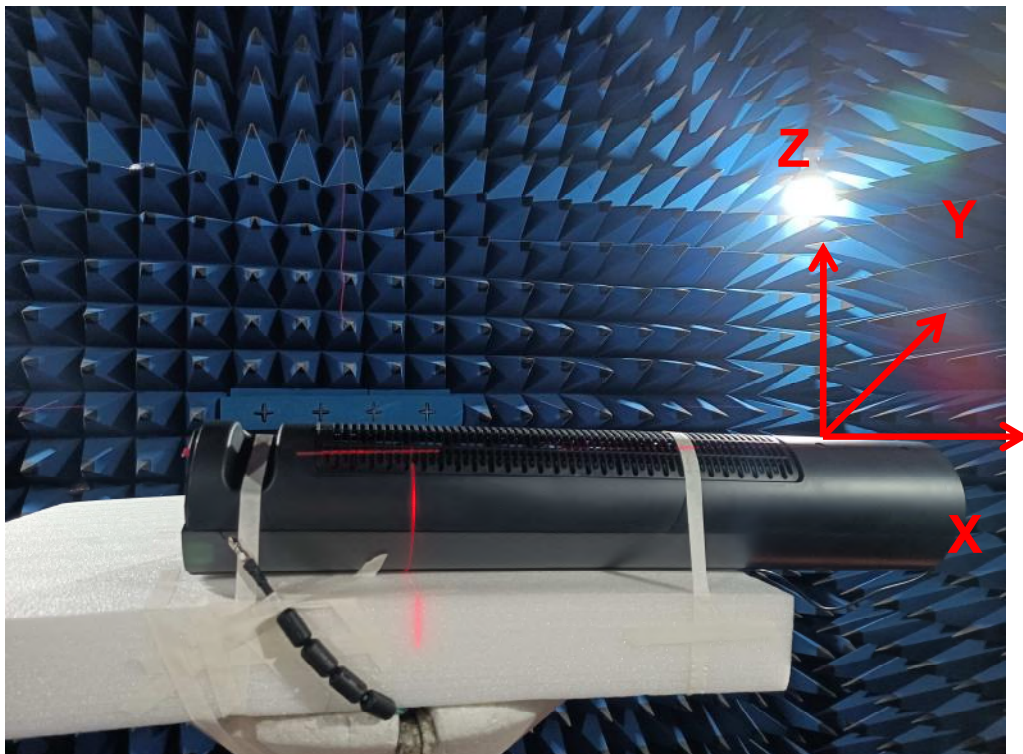
Electrical Properties	
Frequency	2.4-2.5GHz
Impedance	50 Ohm Nominal
V.S.W.R	2.0 Max
Gain	6.5 dBi
Radiation	Omni-directional
Polarization	Linear
Physical Properties	
Connector	1代IPEX
Cable Type	O.D.1.13mm
Cable Length	120mm
Cable Color	Black
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity	25±5°C / <70%

Antenna Performance Test

**Agilent
E5071C
S11
Parameter
Test //
WIFI
Antenna**



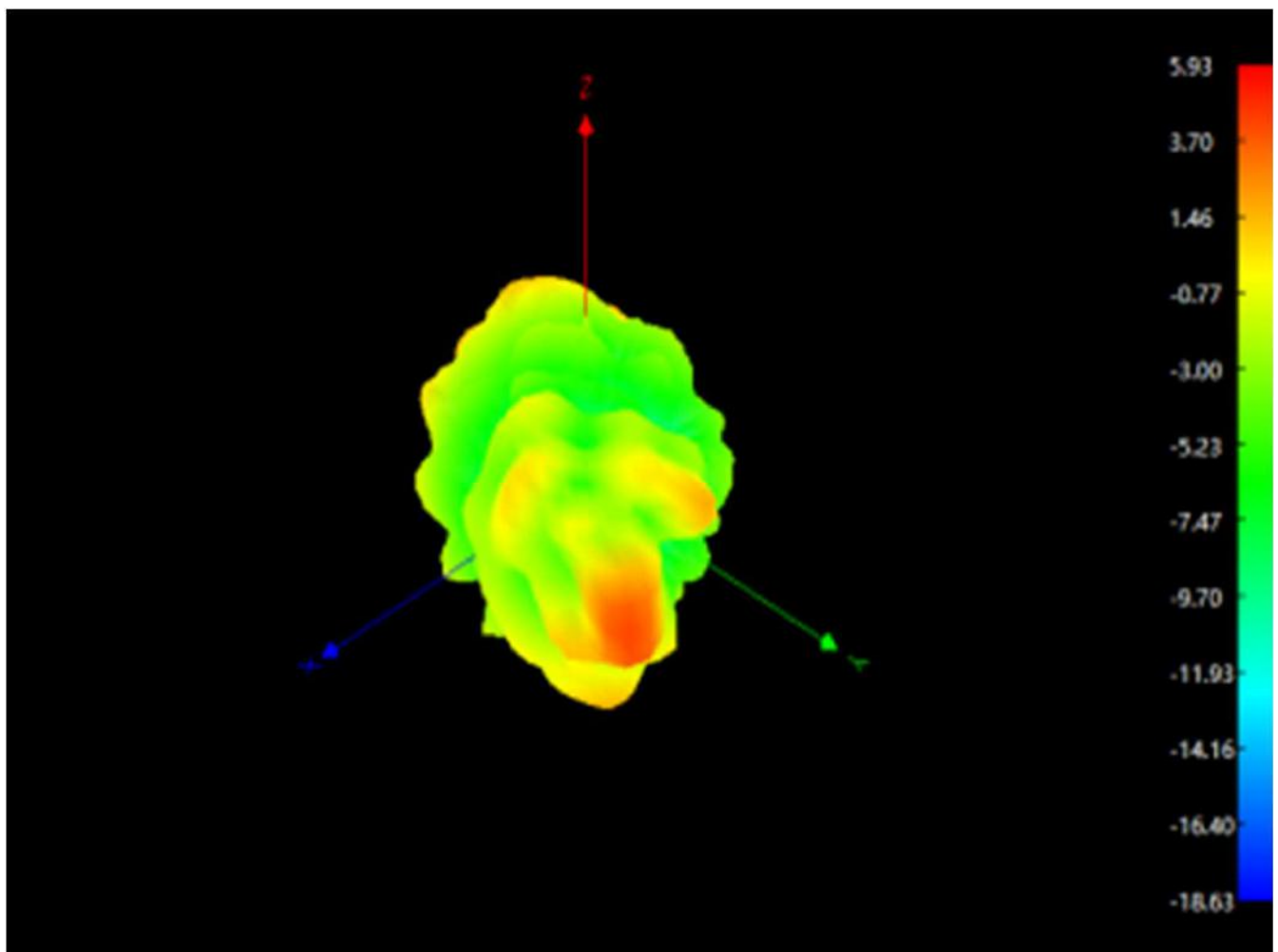
Antenna Passive Test



Passive Test For WIFI Antenna(2.4G)

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	50.9	-2.9	4.7
2410	52.0	-2.8	4.9
2420	53.9	-2.7	5.2
2430	55.6	-2.5	5.6
2440	55.3	-2.6	5.5
2450	57.8	-2.4	5.9
2460	57.6	-2.4	5.8
2470	60.0	-2.2	6.3
2480	59.3	-2.3	6.1
2490	61.3	-2.1	6.5
2500	60.1	-2.2	6.2

Radiation Pattern For WIFI Antenna(2450MHz)



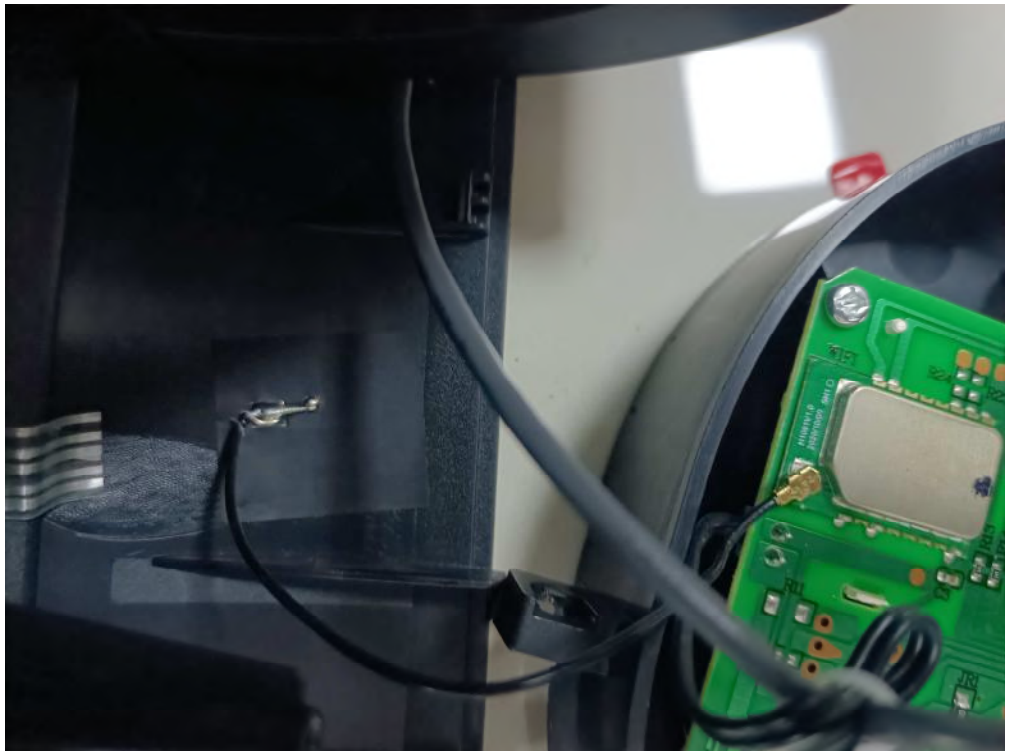
Antenna Active Test

Active Test For WIFI Antenna							
Band	Channel	Data Rate	TRP	EIRP	Data Rate	TIS	EIS
WIFI 2.4G 802.11b	1	11Mbps	12.7	17.1	11Mbps	-81.5	-86.1
	6		12.2	17.8		-81.3	-86.8
	11		12.0	17.9		-82.2	-87.1

Device



*WIFI
Antenna*



WIFI Antenna

