



福州市瀚宇正达电子有限公司

Word Easy Electronics Co.,Ltd.

规格承认书

SPECIFICATION FOR APPROVAL

日期 2024/11/14

Date

编号 24111401

File No

版本 1.0

Revision

客 户

星网

CUSTOMER: _____

客户料号

CUSTOMER NO: _____

品 名

Zigbee Antenna L=31mm MHF

PART NAME: _____

供方料号

WE007N.F0177.V01

SUPPLIER NO: _____

送样日期Date:

送样数量Q “TY:

客户确认CUSTOMER APPROVED BY

APPROVAL

CHIEF

SUPERVISOR

供方确认 SUPPLIER SIGNATURE

APPROVAL

CHECK

DESIGN

工程专用章
Hunter

Luo

Liu

WE-RD-F01-A



承认书项目表

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13	-	-	-

RoHS

Compatible

REV.

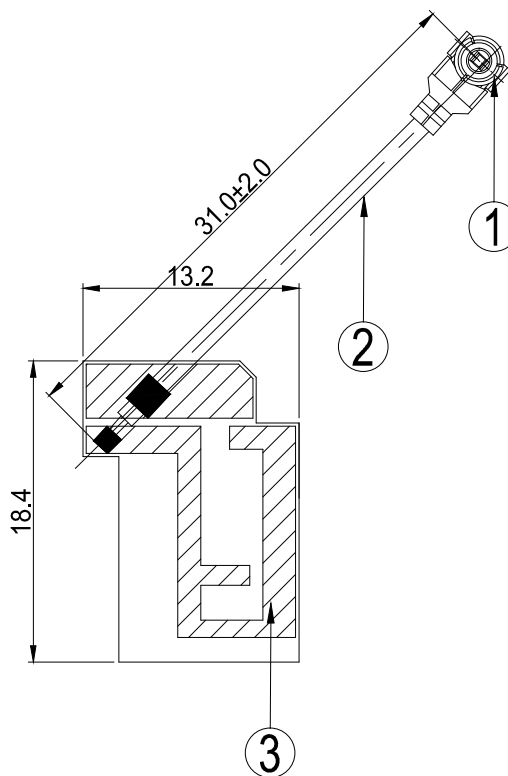
DESCRIPTION

DATE

A

首次发行

2024.11.14



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PART NAME: Zigbee Antenna L=31mm MHF

PART NO.: WE007N.F0177.V01

DATE: 2024-11-14

APPROVED BY

CHECKED BY

DESIGNED BY



Tolerance

X.X ±0.50

X.XX±0.15

X° ±3°

UNITS: mm

SCALE: 1/1

REVISION: A

周红涛

3	FPCB	18.4*13.2MM	FPCB	FPC0414.V01	1
2	Coaxial Cable	O.D.0.81 Black	O.D.0.81	CAB0081.V01	1
1	Mini Connector	Au Plated 2代	Cu	MET0XD2.V01	1
NO	PART NAME	DESCRIPTION	Material	Part Number	Q.TY



天线规格

Antenna Specification

Electrical Properties

Frequency	2400~2500MHz
Impedance	50 Ohm Nominal
V.S.W.R	≤ 1.9
Return Loss	≤ -10
Radiation	Omni-directional
Gain (Peak)	$\leq 3.4\text{dBi}$
Polarization	Linear
Connector	2代I-PEX

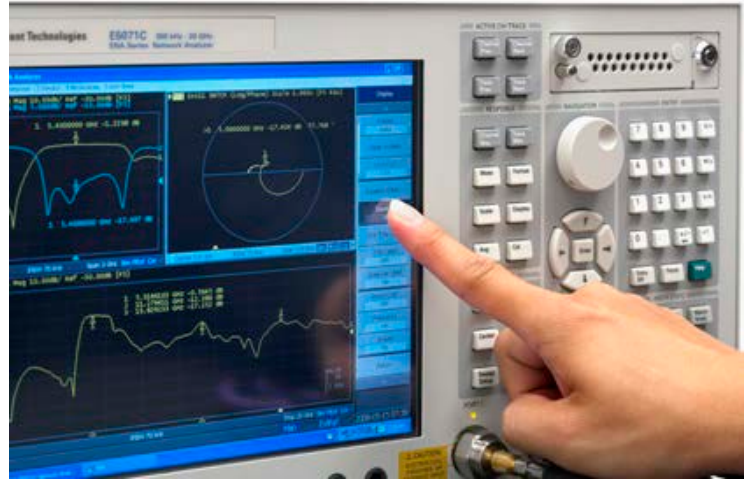
Physical Properties

Antenna Material	FPC
Cable Type	O.D.0.81//L=31mm
Operating Temp.	-10 ~ +60 °C
Storage Temp.	-10 ~ +70 °C
Cable Color	Black

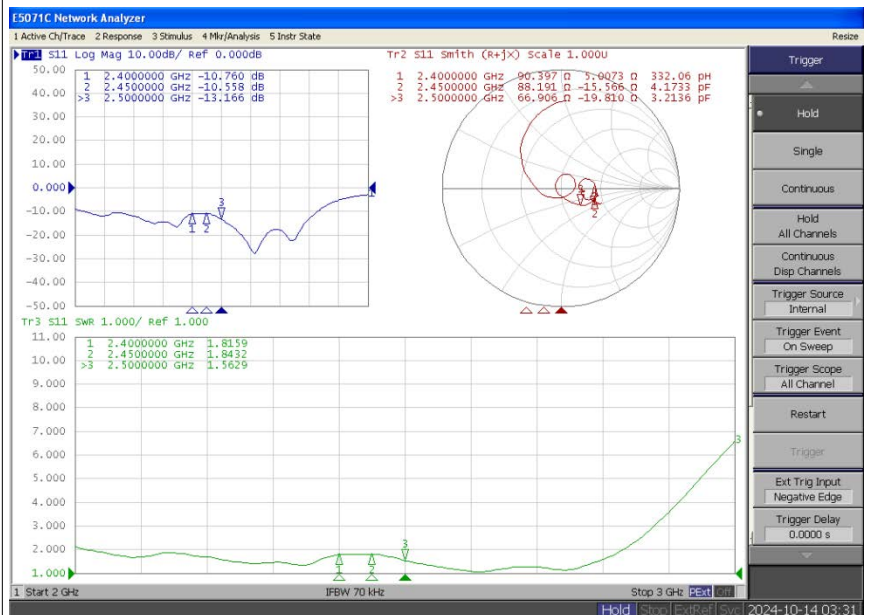


Antenna Performance Test

**Agilent
E5071C**

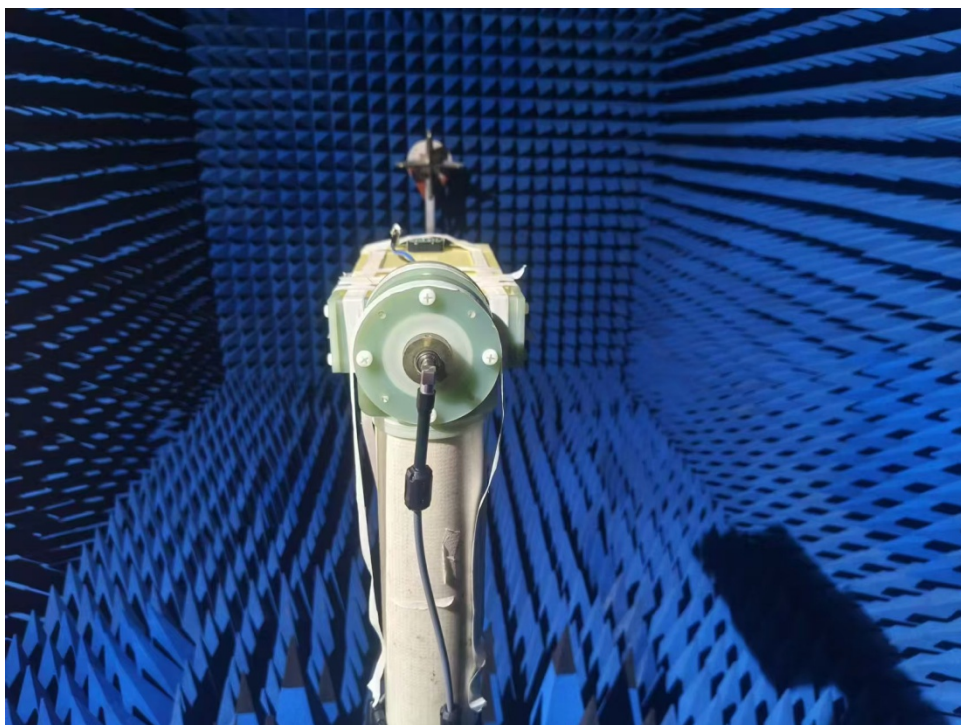
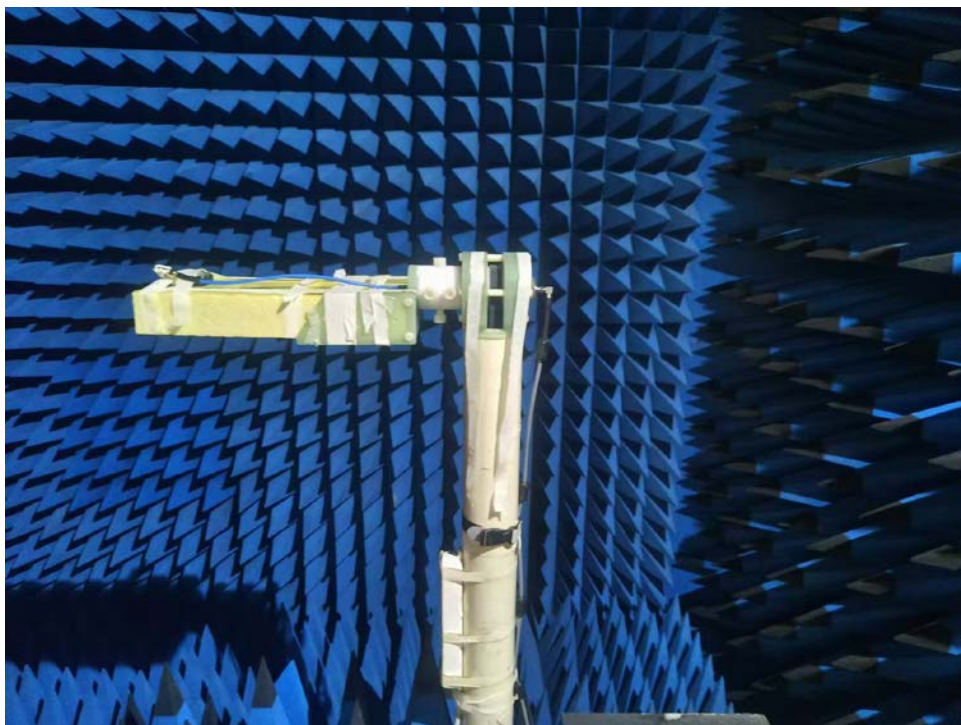


**S
Parameter
Test //
Zigbee**





Antenna Passive Test





Passive Test For Zigbee(4孔)

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	28.5	-5.5	0.8
2410	38.1	-4.2	2.1
2420	30.7	-5.1	1.2
2430	39.4	-4.0	2.3
2440	33.2	-4.8	1.6
2450	41.5	-3.8	2.5
2460	34.6	-4.6	1.8
2470	40.6	-3.9	2.6
2480	38.8	-4.1	2.5
2490	45.9	-3.4	3.4
2500	44.5	-3.5	3.4



Passive Test For Zigbee (6孔)

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	31.8	-5.0	1.8
2410	37.2	-4.3	2.3
2420	33.8	-4.7	1.6
2430	37.7	-4.2	1.8
2440	36.2	-4.4	1.3
2450	39.8	-4.0	1.5
2460	37.8	-4.2	0.9
2470	38.0	-4.2	1.0
2480	38.6	-4.1	1.1
2490	41.5	-3.8	1.4
2500	39.5	-4.0	1.0



Antenna Profile

Device



*Antenna
Zigbee*





Assembly Drawing

Zigbee Antenna

