



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 2024/03/29
Date

编号 24032902
File No

版本 1.0
Revision

客 户

星网

CUSTOMER: _____

客户料号

CUSTOMER NO: _____

品 名

WIFI Antenna L=127mm MHF

PART NAME: _____

供方料号

WE007N.F0151.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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9	N/A	N/A	N/A
10	-	-	-
11	-	-	-
12	-	-	-
13	-	-	-

RoHS

Compatible

REV.

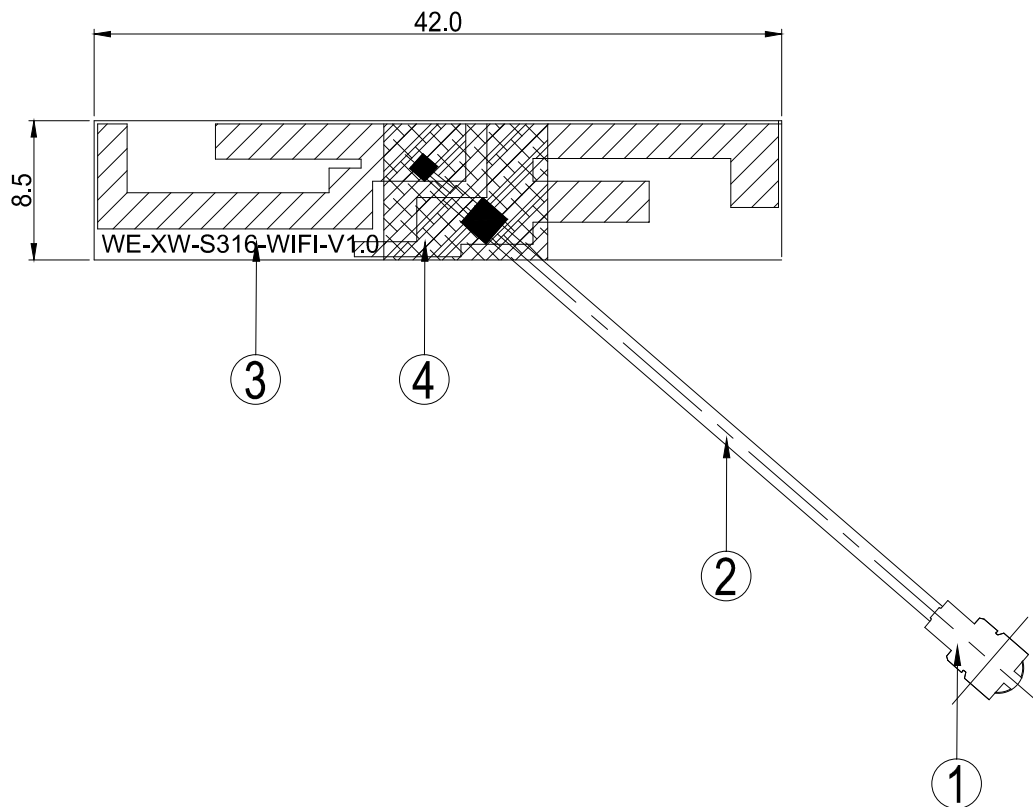
A

DESCRIPTION

首次发行

DATE

2024.03.29



4	Acetate Cloth	10.0*8.0MM	Acetate Cloth	FAB0002.V01	1
3	FPCB	42.0*8.5MM	FPCB	FPC0371.V01	1
2	Coaxial Cable	O.D.1.13 Gray	O.D.1.13	CAB0113.V02	1
1	Mini Connector	Au Plated 1代	Cu	MET0XD1.V01	1
NO	PART NAME	DESCRIPTION	Material	Part Number	Q.TY



福州市瀚宇正达电子有限公司

World Easy Electronics Co.,Ltd.

Tel :0591-22628085

Fax:0591-22627656

PART NAME: WIFI Antenna L=127mm MHF

PART NO.: WE007N.F0151.V01

DATE: 2024-03-29

APPROVED BY

CHECKED BY

DESIGNED BY



UNITS: mm

SCALE: 1/1

REVISION: A

周红涛

Tolerance

X.X ±0.50

X.XX±0.15

X° ±3°



天线规格

Antenna Specification

Electrical Properties

Frequency	2400~2500MHz 5150~5850MHz
Impedance	50 Ohm Nominal
V.S.W.R	≤3.0
Return Loss	≤-6
Radiation	Omni-directional
Gain (Peak)	≤4.5dBi
Polarization	Linear
Connector	1代I-PEX

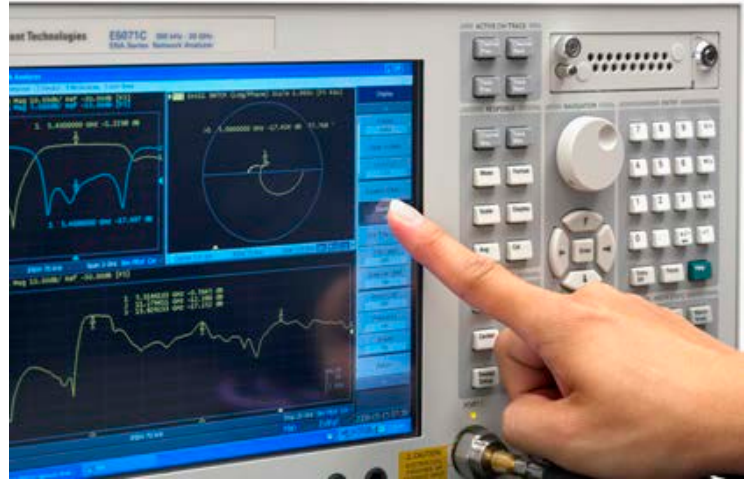
Physical Properties

Antenna Material	FPC
Cable Type	O.D.1.13//L=127mm
Operating Temp.	-10 ~ +60 °C
Storage Temp.	-10 ~ +70 °C
Cable Color	Gray

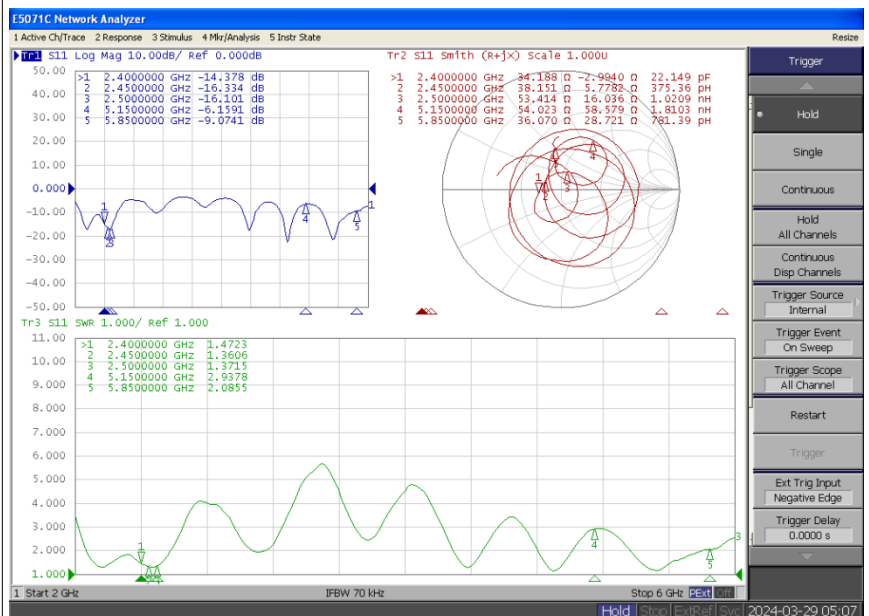


Antenna Performance Test

**Agilent
E5071C**

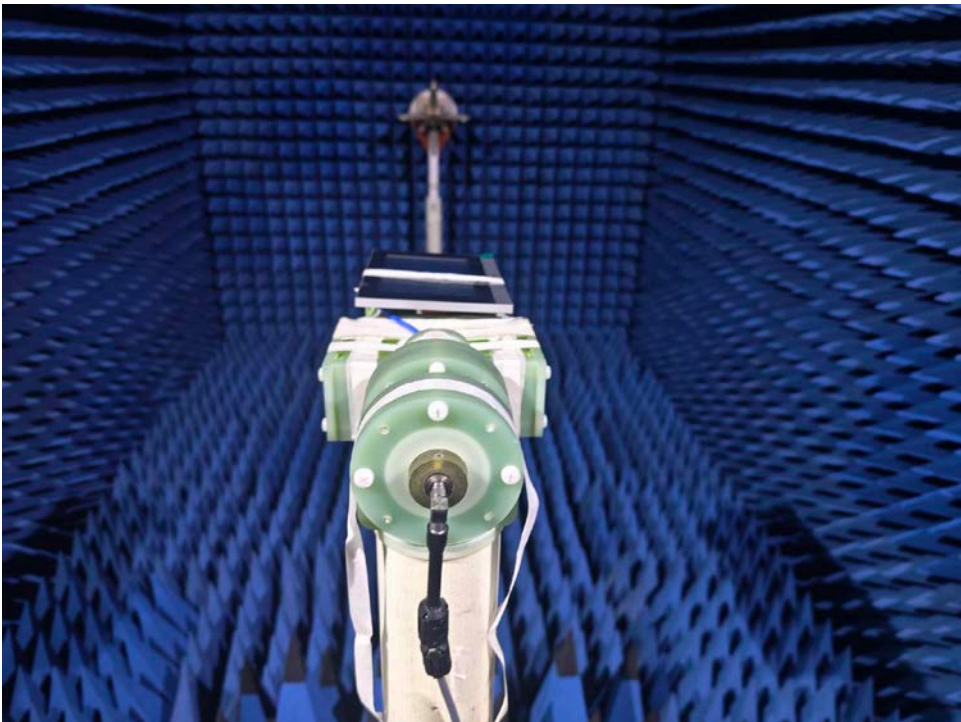
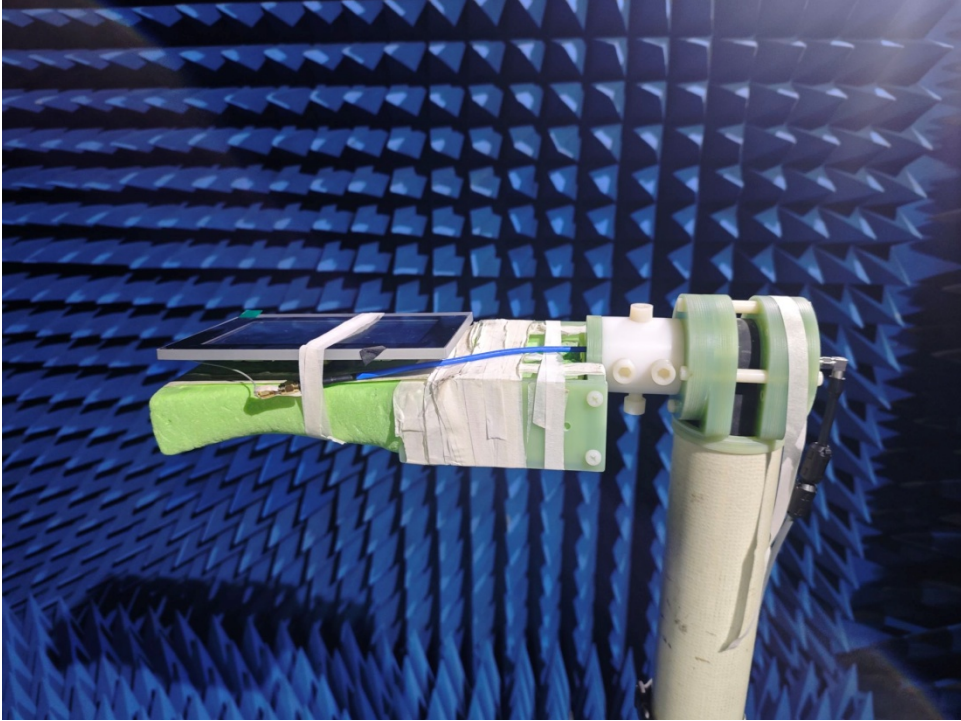


**S
Parameter
Test //
WIFI**





Antenna Passive Test





Passive Test For WIFI (2.4G)

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	60.1	-2.2	2.5
2410	64.0	-1.9	2.9
2420	68.5	-1.6	3.5
2430	64.3	-1.9	3.6
2440	67.7	-1.7	4.0
2450	61.2	-2.1	3.8
2460	70.9	-1.5	4.5
2470	60.0	-2.2	3.7
2480	70.8	-1.5	4.4
2490	60.9	-2.2	3.8
2500	67.1	-1.7	4.3



Passive Test For WIFI (5.8G)

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5150	44.3	-3.5	2.1
5200	41.9	-3.8	2.3
5250	41.6	-3.8	2.2
5300	41.9	-3.8	2.0
5350	45.7	-3.4	2.3
5400	44.2	-3.6	2.4
5450	41.3	-3.8	2.0
5500	43.3	-3.6	2.2
5550	51.6	-2.9	3.0
5600	55.9	-2.5	3.5
5650	58.0	-2.4	3.4
5700	58.9	-2.3	3.4
5750	57.3	-2.4	3.6
5800	54.9	-2.6	3.6
5850	54.1	-2.7	3.6



Antenna Profile

Device



*Antenna
WIFI*





Assembly Drawing

WIFI Antenna

