



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 2022/11/02

Date

编号 22110201

File No

版本 1.0

Revision

客 户

CUSTOMER: _____

客户料号

RT61

CUSTOMER NO: _____

品 名

WIFI Antenna L=33mm MHF

PART NAME: _____

供方料号

WE007N.F0128.V01

SUPPLIER NO: _____

送样日期Date:

客户确认CUSTOMER APPROVED BY

APPROVAL

CHIEF

SUPERVISOR

徐陵

供方确认 SUPPLIER SIGNATURE

APPROVAL

CHECK

DESIGN

Hunter

Zhou Hongtao

Fang

WE-RD-F01-A



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9	N/A	N/A	N/A
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天线规格

Antenna Specification

Electrical Properties

Frequency	2400-2500MHz 5150~5850MHz
Impedance	50 Ohm Nominal
V.S.W.R	<1.8
Return Loss	<-11dB
Radiation	Omni-directional
Gain (Peak)	2.5dBi@2400-2500MHz 3.8dBi@5150~5850MHz
Polarization	Linear
Connector	1 I-PEX

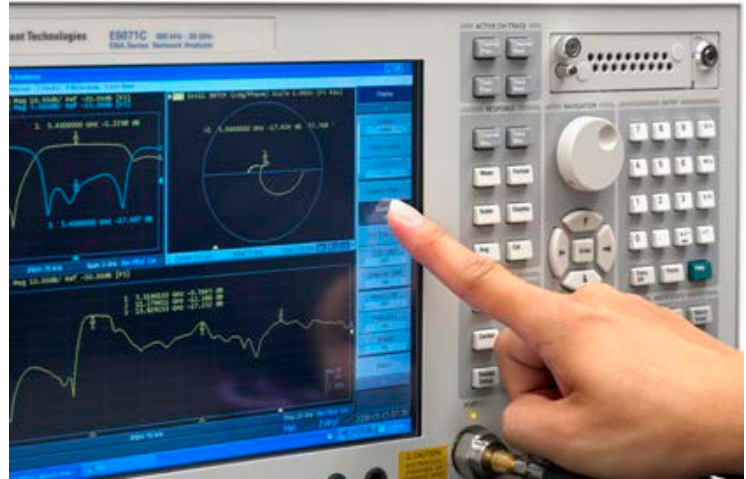
Physical Properties

Antenna Material	FPC
Cable Type	O.D.1.13//L=33mm
Operating Temp.	-10 ~ +60 °C
Storage Temp.	-10 ~ +70 °C
Cable Color	Gray

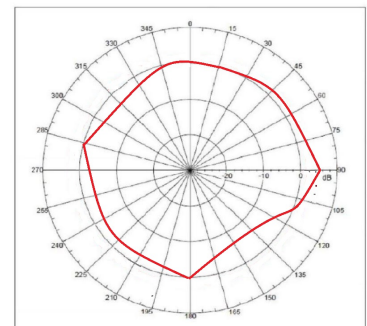
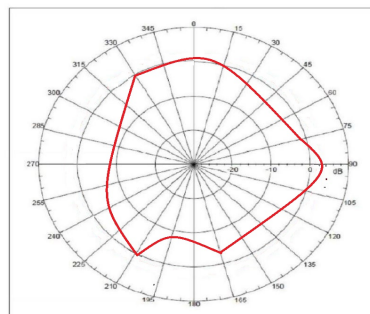
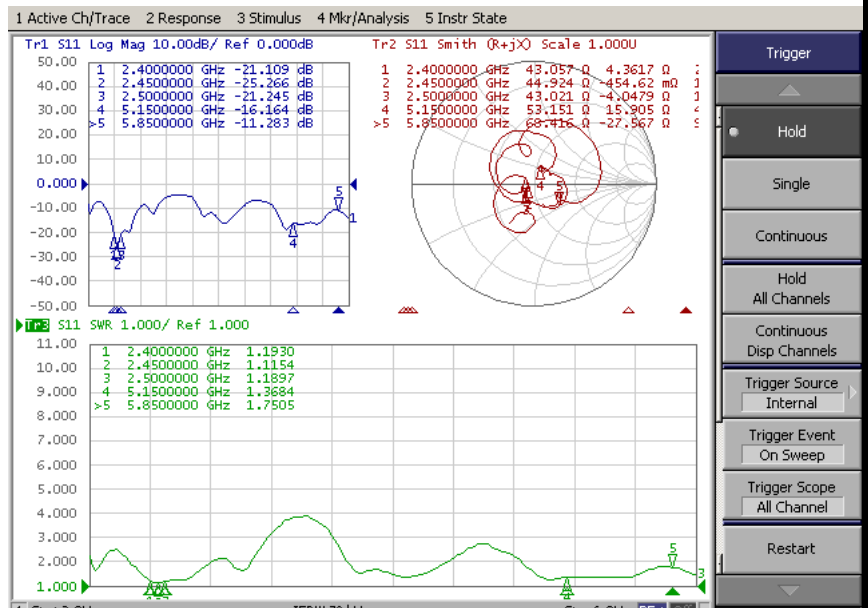


Antenna Performance Test

**Agilent
E5071C**

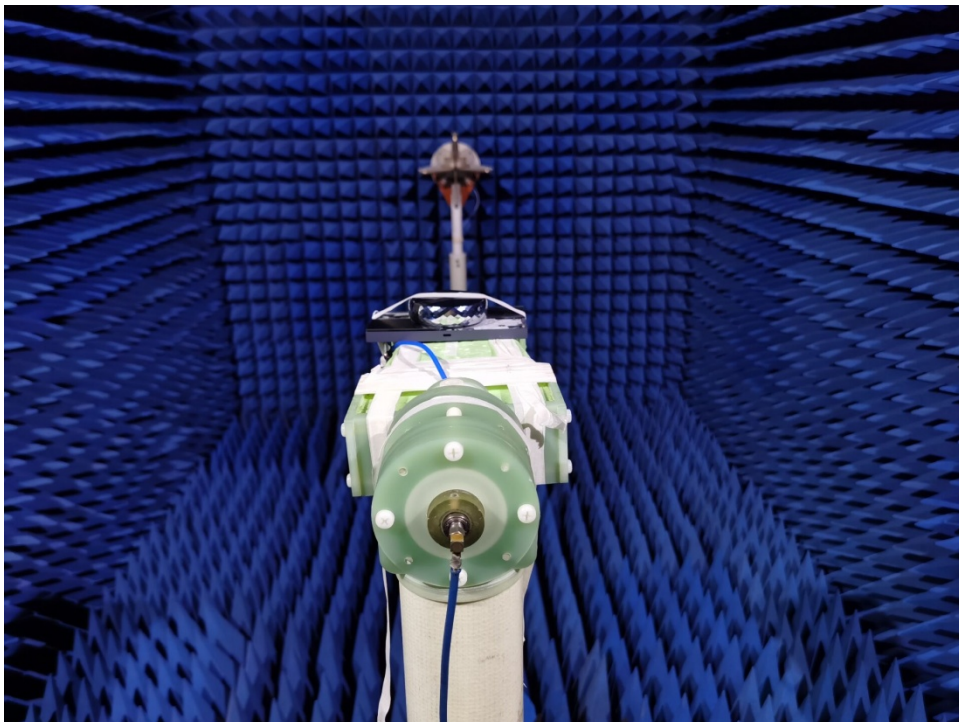
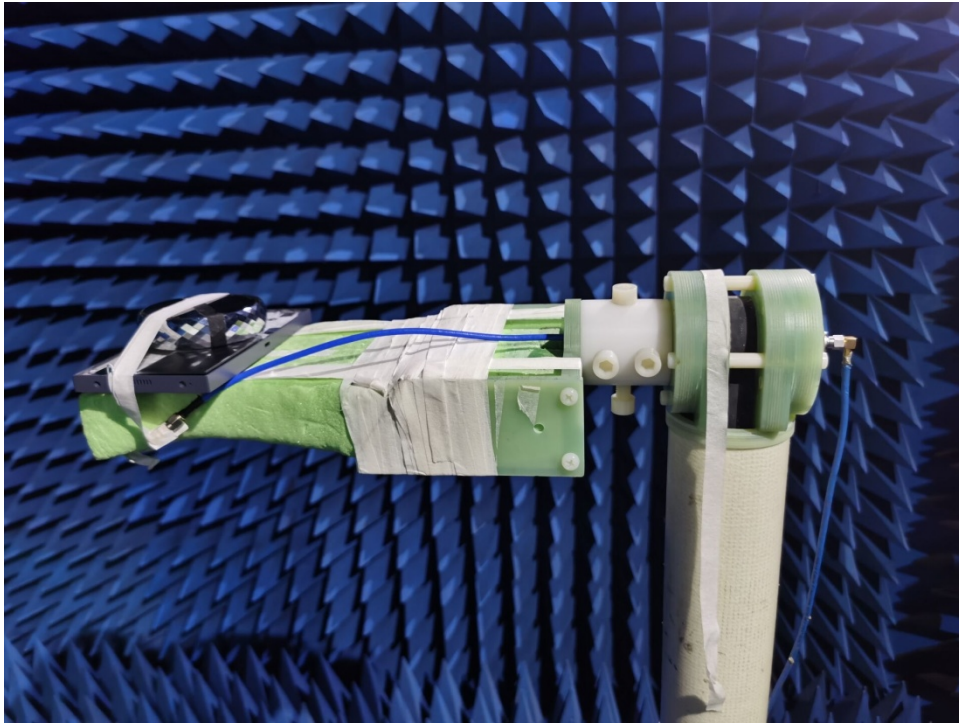


**S
Parameter
Test //
WIFI**





Antenna Passive Test





Passive Test For WIFI (2.4G)

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	49.8	-3.0	1.9
2410	47.7	-3.2	1.8
2420	43.7	-3.6	1.5
2430	45.8	-3.4	1.8
2440	46.0	-3.4	1.9
2450	51.7	-2.9	2.4
2460	51.8	-2.9	2.5
2470	48.2	-3.2	2.1
2480	44.3	-3.5	1.6
2490	43.7	-3.6	1.5
2500	50.3	-3.0	2.0



Passive Test For WiFi (5.8G)

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5150	51.4	-2.9	3.4
5200	47.0	-3.3	3.3
5250	47.9	-3.2	3.4
5300	44.9	-3.5	3.1
5350	51.6	-2.9	3.5
5400	48.6	-3.1	3.1
5450	51.0	-2.9	3.4
5500	47.0	-3.3	3.0
5550	51.2	-2.9	3.3
5600	48.8	-3.1	2.9
5650	52.0	-2.8	3.1
5700	56.6	-2.5	3.4
5750	56.6	-2.5	3.6
5800	58.1	-2.4	3.8
5850	57.7	-2.4	3.8



Antenna Profile

Device



WIFI



Zigbee

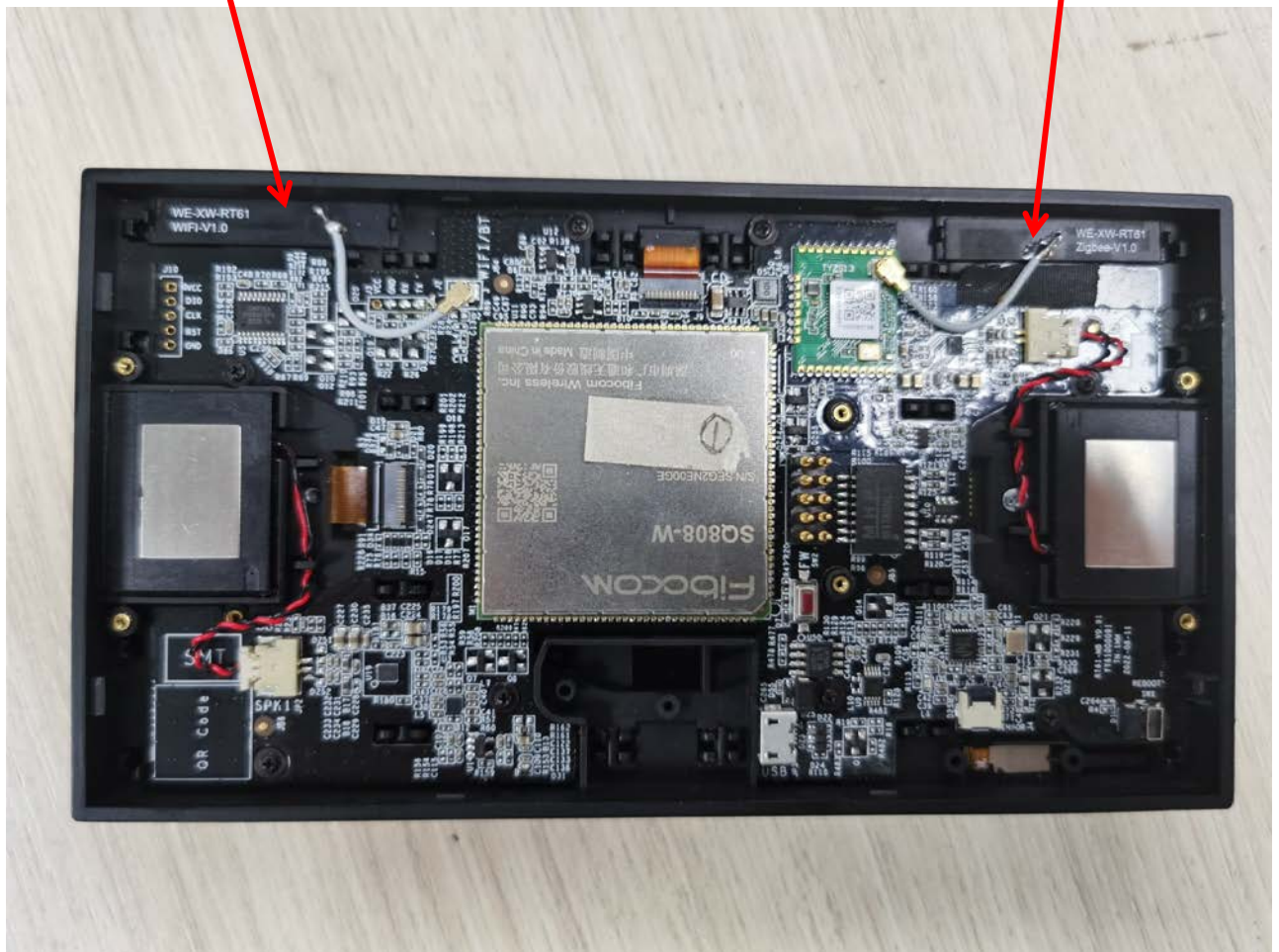




Assembly Drawing

WIFI Antenna

Zigbee Antenna





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规格承认书

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客 户

CUSTOMER: _____

客户料号

RT61

CUSTOMER NO: _____

品 名

Zigbee Antenna L=33mm MHF

PART NAME: _____

供方料号

WE007N.F0129.V01

SUPPLIER NO: _____

送样日期Date:

客户确认CUSTOMER APPROVED BY

APPROVAL

CHIEF

SUPERVISOR

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9	N/A	N/A	N/A
10	-	-	-
11	-	-	-
12	-	-	-



天线规格

Antenna Specification

Electrical Properties

Frequency	2400-2500MHz
Impedance	50 Ohm Nominal
V.S.W.R	<1.5
Return Loss	<-14dB
Radiation	Omni-directional
Gain (Peak)	2.9dBi
Polarization	Linear
Connector	1代I-PEX

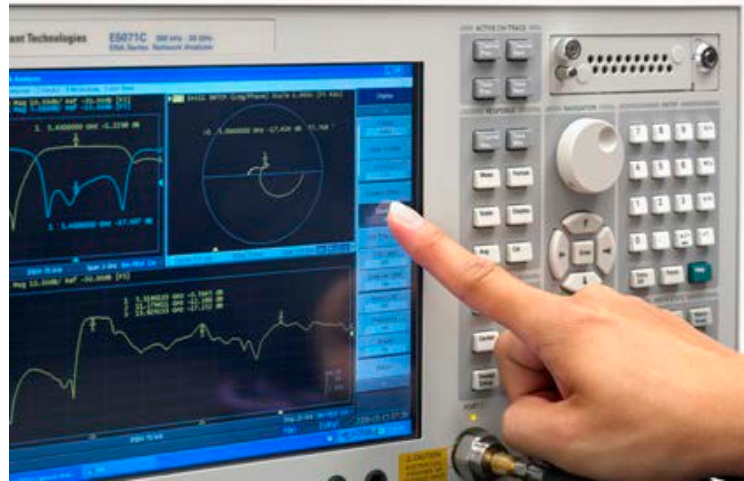
Physical Properties

Antenna Material	FPC
Cable Type	O.D.1.13//L=33mm
Operating Temp.	-30 ~ +60 °C
Storage Temp.	-30 ~ +70 °C
Cable Color	Gray

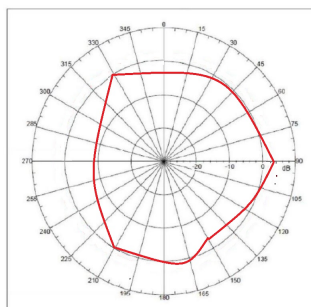
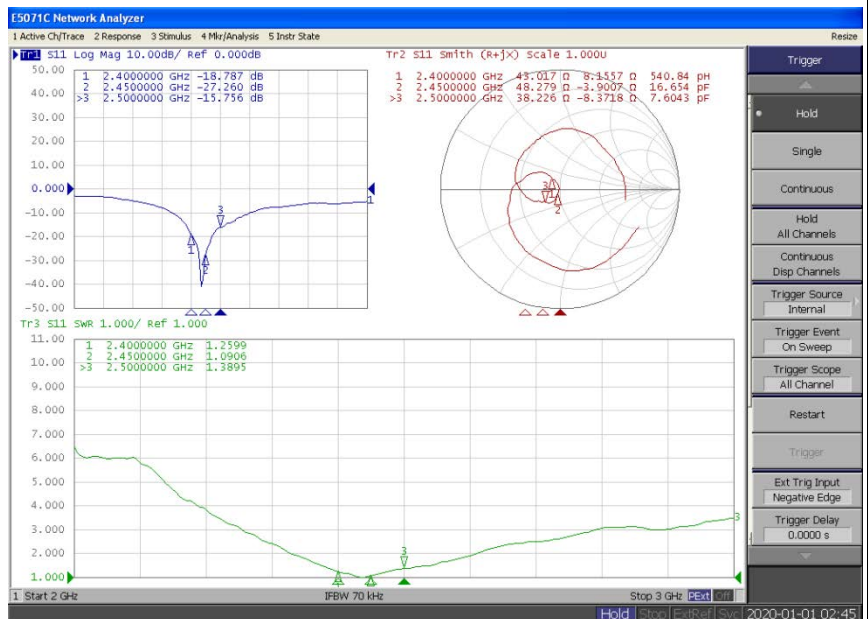


Antenna Performance Test

**Agilent
E5071C**

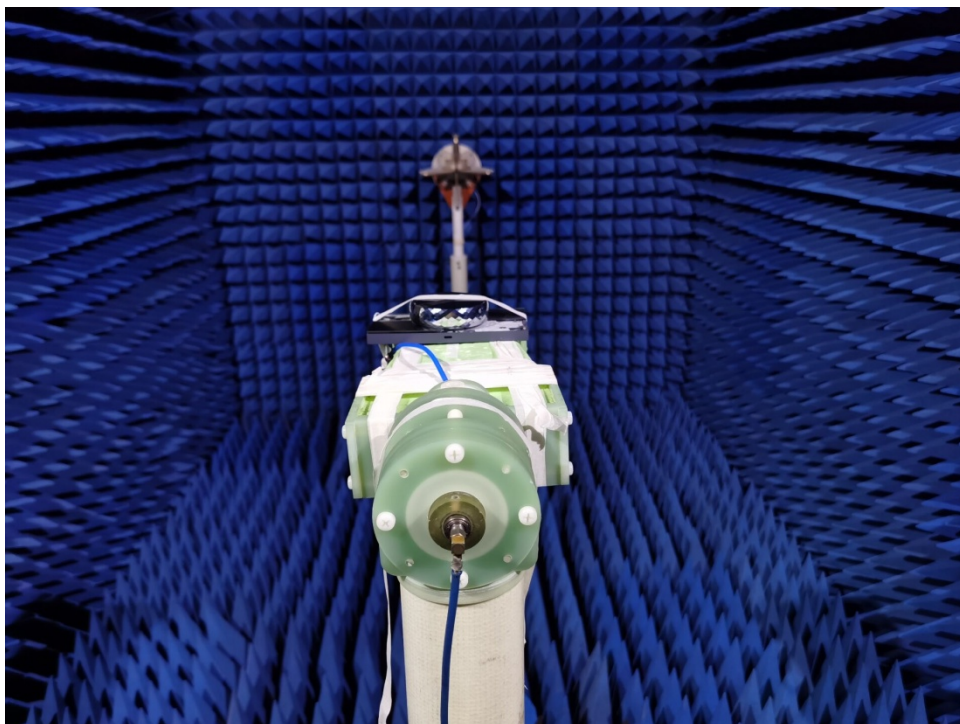
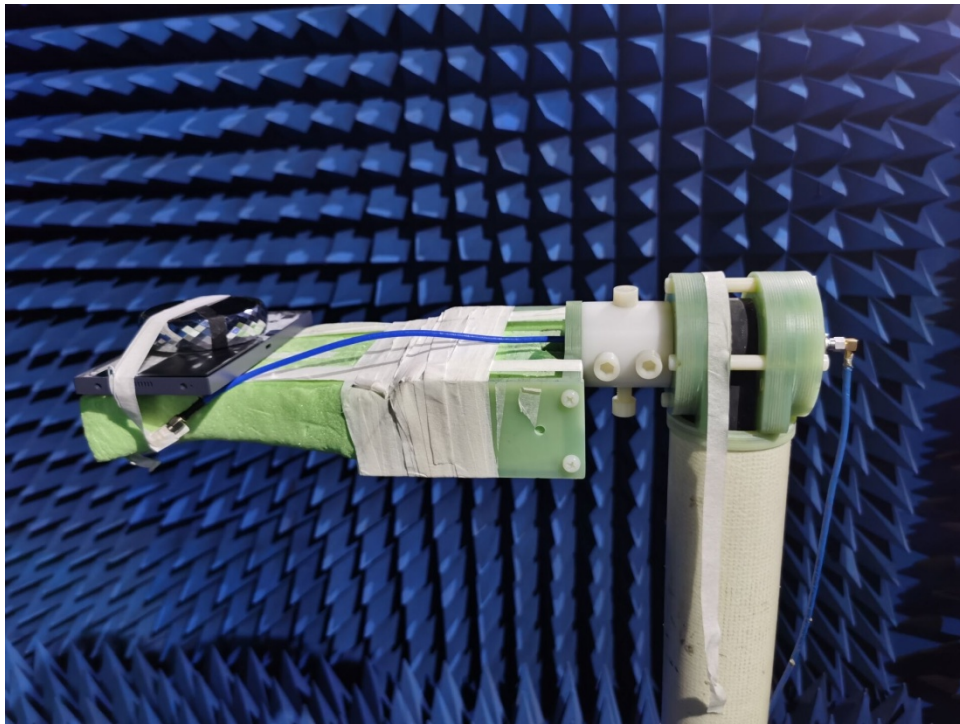


**S
Parameter
Test //
Zigbee**





Antenna Passive Test





Passive Test For Zigbee

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	60.7	-2.2	2.9
2410	60.5	-2.2	2.9
2420	58.0	-2.4	2.7
2430	61.7	-2.1	2.8
2440	62.5	-2.0	2.5
2450	67.7	-1.7	2.8
2460	65.3	-1.9	2.6
2470	61.0	-2.1	2.3
2480	56.9	-2.5	1.9
2490	62.3	-2.1	2.2
2500	60.7	-2.2	2.0



Antenna Profile

Device



WIFI



Zigbee





Assembly Drawing

WIFI Antenna

Zigbee Antenna

