

SPECIFICATION FOR APPROVAL

CUSTOMER :	远传融创
PART NAME :	S2外置双频WIFI天线
PART NO. :	
DZZ NO. :	N12-7498-R0A
REV. :	

	MANUFACTURERR SIGNATURE	CUSTOMER SIGNATURE
APPROVED BY:		
DATE:		

Shenzhen be-comfortable technology.co.,LTD

深圳市得自在科技有限公司

Address: No.1606,Build C6,HengFeng industrial city,xixiang street,baoan district,Shenzhen

shanghai mengju technology co., LTD

上海市盟钜科技有限公司

103B, Build10, No.198 Zhang Heng Road , Pudong New Area,Shanghai

CONTENTS

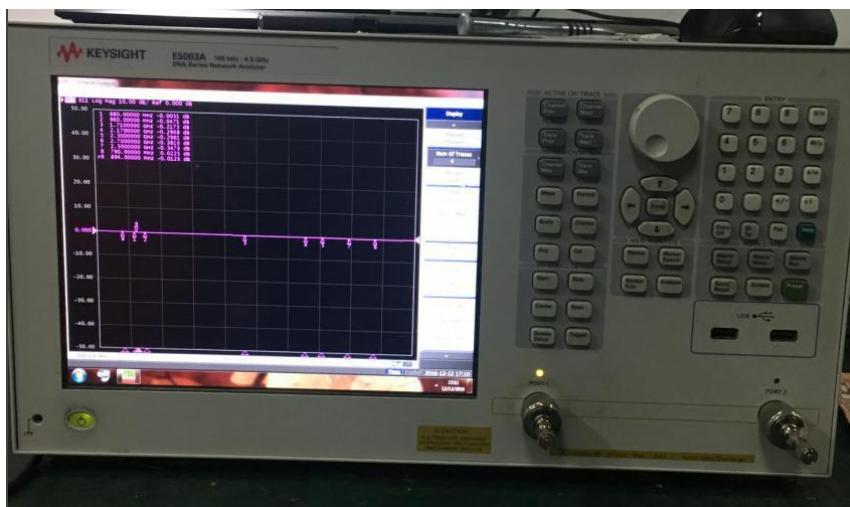
Item	Description	Page
1.cover.....	1
2.Test Report	5-6
3.Drawing	7
4.Packing	8

1.RF Fixture Experiment

1.1 Test Setup

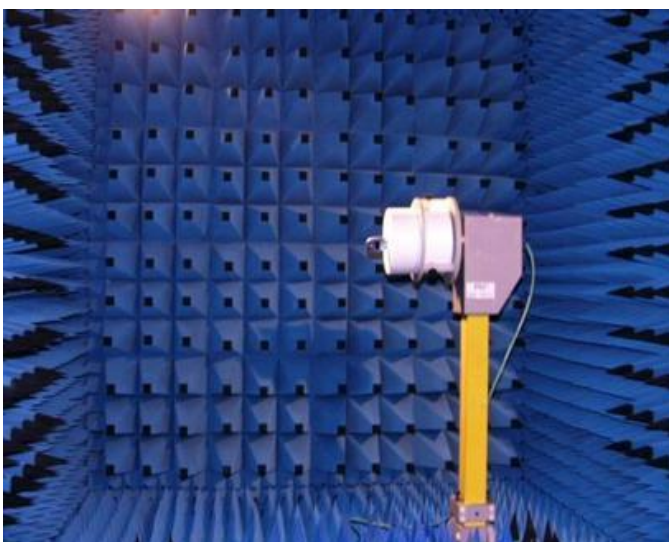
1.1.1 VNA Test Setup

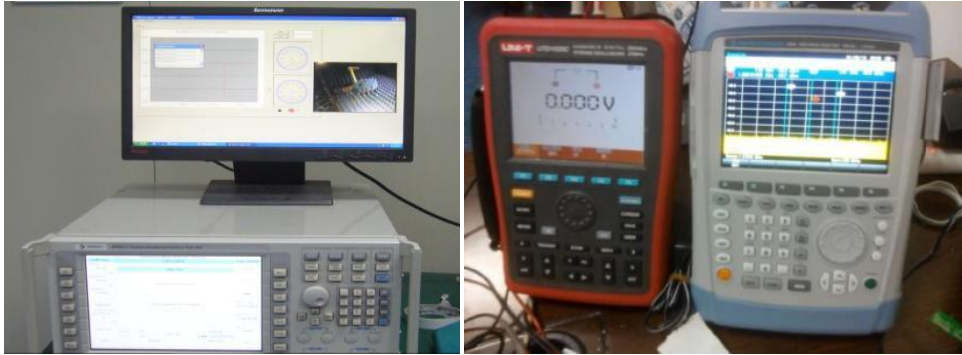
VSWR and Return Loss measurements (S11) were performed using an KeySight E5071C Network Analyzer. The isolation between antennas is also teste. The testing was performed with apparatus in free space.



1.1.2 Anechoic Chamber Test Setup

When we test Gain and Efficiency of the antenna, we will use the ETS 3D chamber. The chamber provides test frequency from 400MHz to 6GHz.The real test environment is showing as following picture



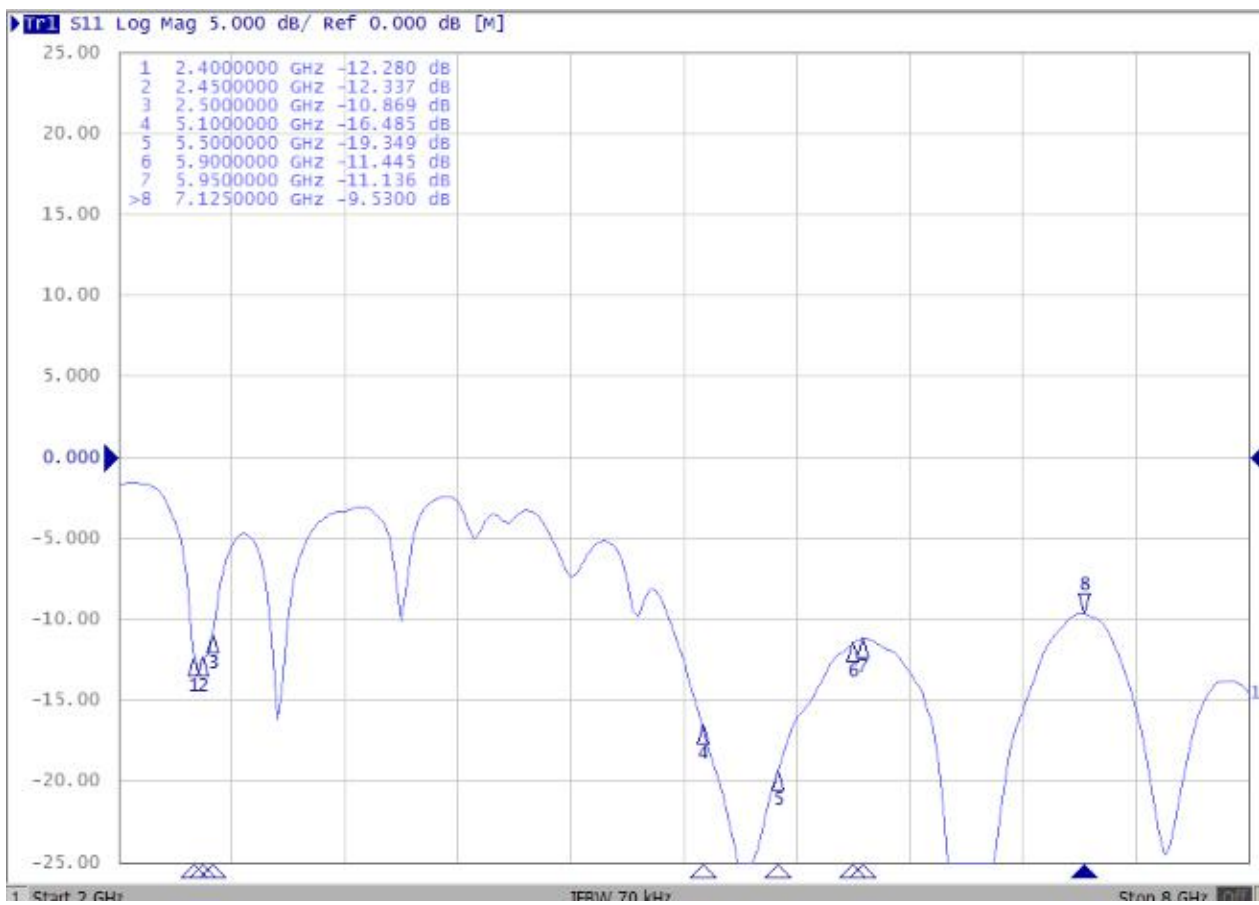


1.2 UE configuration

1.2.1 Antenna location pictures



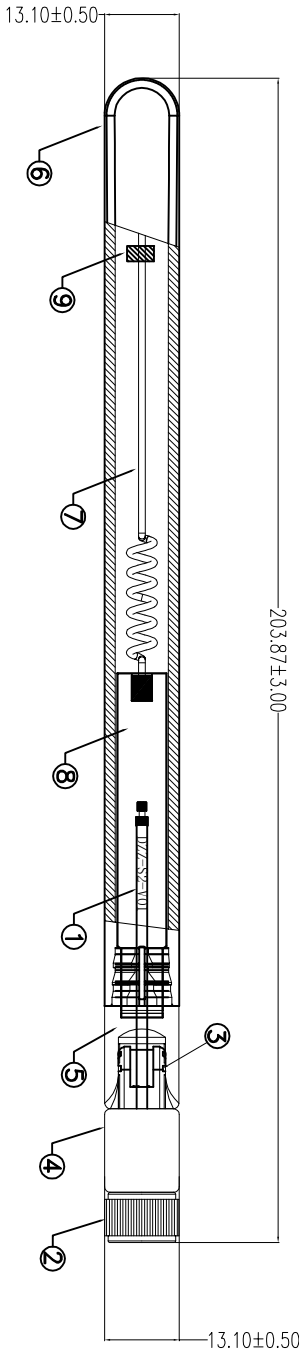
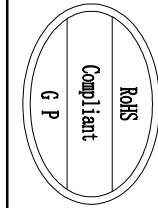
2. S11



3. Peak Gain & Efficiency

Frequency (MHz)	Gain(dBi)	Efficiency(%)
2400	4.81	76.22
2410	4.87	77.89
2420	4.92	78.52
2430	4.98	78.86
2440	4.99	78.91
2450	5.02	78.57
2460	5.01	78.24
2470	4.97	77.76
2480	4.92	77.58
2490	4.91	76.39
2500	4.83	76.25

Frequency (MHz)	Gain(dBi)	Efficiency(%)
5100	4.85	66.05
5200	4.89	66.82
5300	5.01	67.95
5400	5.05	69.85
5500	5.06	72.02
5600	5.01	70.42
5700	4.95	69.91
5800	4.93	66.27
5900	4.83	66.07



No.	Name	Material	Color	Treatment	Amount	Remark
1	射频线	SMA公头转数178线 RG178射频线	棕色		1	
2	SMA底座		黑色		1	
3	固定柱	POW	黑色		2	
4	下固定座	PC+PBT	黑色		1	
5	上固定座	PC+PBT	黑色		1	
6	套杆	客供	黑色		1	
7	弹簧	碳钢板线	银色		1	
8	PCB	FR4	绿色		1	
9	泡棉	EVA	黑色		1	

- 备注:
- 标注*为重点尺寸, 未标公差尺寸按照 ± 0.15 检测
 - 未标注尺寸请依图纸
 - 符合ROHS

Rev	Description	Date	Remark	Location	dwg No.	Unit	mm	Scale	1:1	Rev	Amount	Remark
A	New drawing											
1												

Project	Date	Designed by	2024.4.22
深圳得自在科技有限公司 SHEN ZHEN Be Comfortable CO., LTD			
PartName	双频外置天线	MD	田进
Part No.	NI2-7498-ROA	Checked by	冯惠平
Material	N/A	RF	
Material		Approved by	
Material		Unit	
Material		mm	
Material		Scale	
Material		1:1	
Material		Rev	
Material		Amount	
Material		Remark	

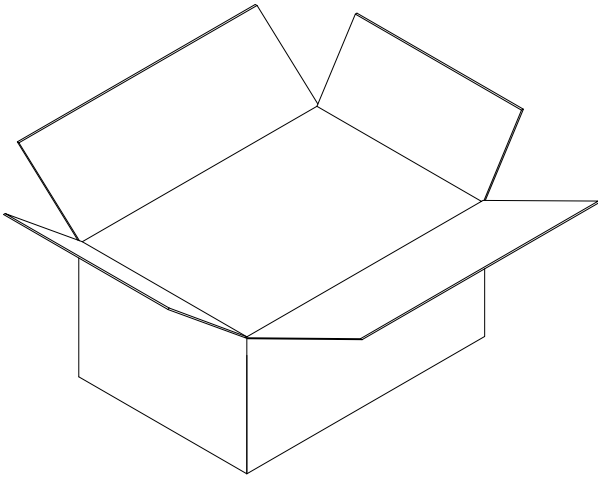
成品名称： 外置天线

版本： A

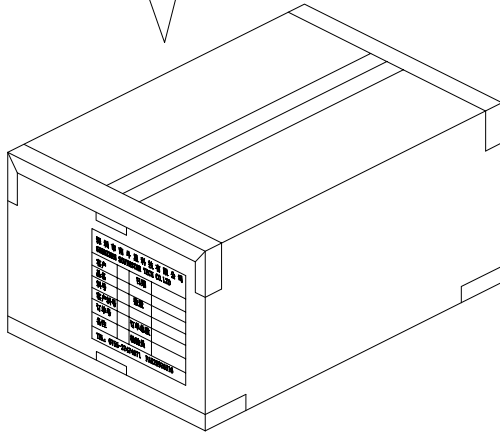
一： 成品天线



二： 用PE袋装起来



四： 装一箱，以实际包装为准



五： 封箱,外箱贴我司生产标签和
ROHS标签。

批准: _____

确认: _____

拟制:田进 _____