

深圳市艾特诺通讯设备有限公司

SHENZHEN ATN COMMUNICATION EQUIPMENT CO., LTD

承 认 书

SPECIFICATION FOR APPROVL

客 户: CUSTOMER:	Craftsmanship original
客 户 编 号: CUSTOMER P/N:	JX11-6973
本 厂 编 号: OUR MODEL NO:	ATN1273
规 格: SPECIFICATIONS:	2. 4G-2. 48G antenna
样 品 数: Q' TY:	1 SET
日 期: DATE:	2021. 08. 17

地址：深圳市宝安区新安街道留仙二路美生创谷科技园夏谷 504-505 室

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变更记录 chage record				
发行/变更日期	变更原因	变更内容	版本	备注
2021. 08. 17	新版发行	新版发行	V1.0	

一、测试设备 Test equipment

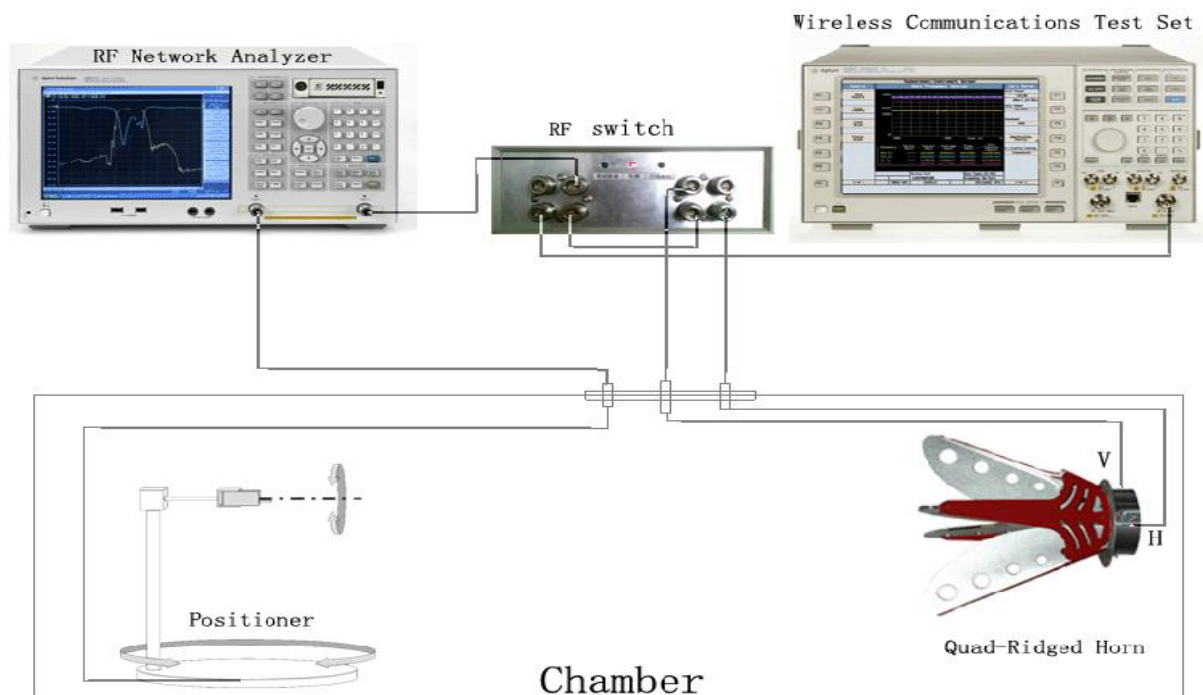
1. 网络分析仪 (Network Analyzers)

Agilent Technologies E5071B

2. 综合测试仪 (Communications Test Set)

CMW500

3. 3D 暗室测试系统 (3D Chanber Test System)



二、产品规格

1、材料&物料性能 Material&Mechanical Characteristics

材料 Material FPC

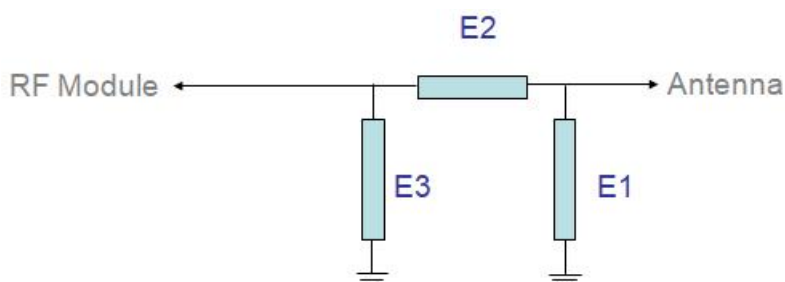
尺寸 Dimension mm

2、储存和使用温度 Storage and use temperature

使用温度 Operation Temperature $-20^{\circ}\text{C} \sim +80^{\circ}\text{C}$

储存温度 Storage Temperature $-20^{\circ}\text{C} \sim +80^{\circ}\text{C}$

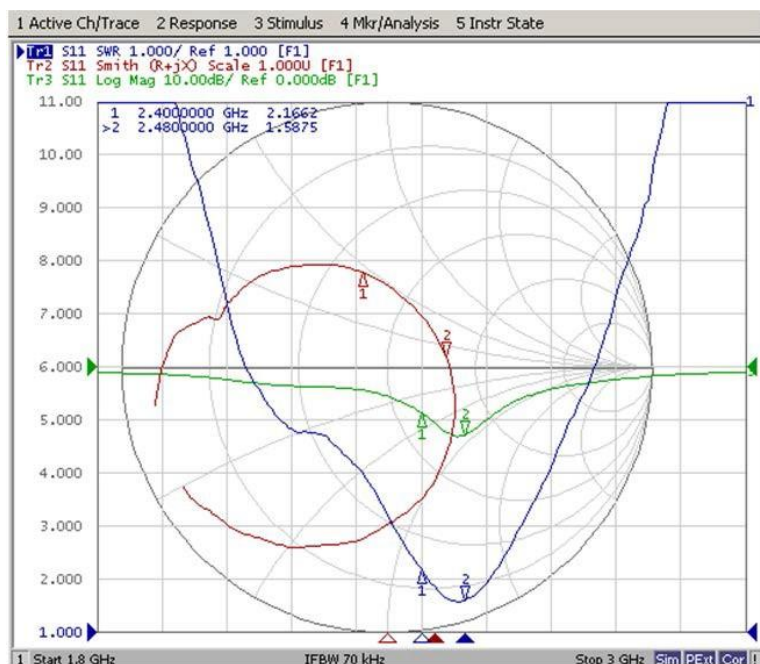
三、匹配电路 Match circuit



Element	Value
E1(0201)	2.2pF(<u>murata/GRM</u>)
E2(0201)	0Ω
E3(0201)	NC

四、性能测试数据 Performance test data

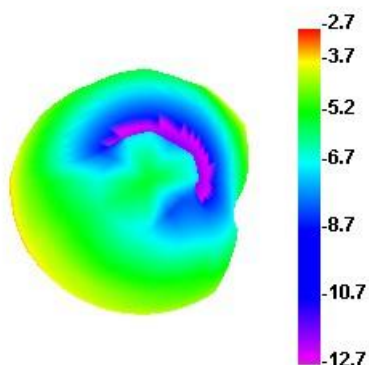
4.1 S11 Parameter



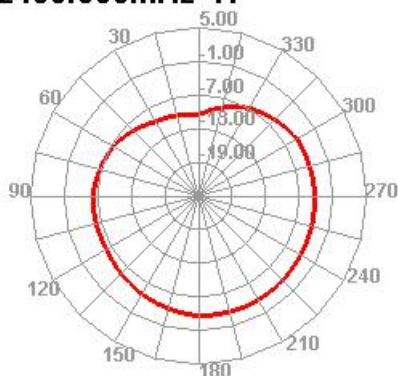
4.2 Gain&Efficiency

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	23.24	-6.34	-2.71
2410	23.24	-6.34	-2.33
2420	25.11	-6	-2.38
2430	26.24	-5.81	-1.69
2440	26.71	-5.73	-2.51
2450	29.03	-5.37	-1.96
2460	28.44	-5.46	-2.31
2470	27.04	-5.68	-2.38
2480	24.4	-6.13	-2.72
Average	25.93	-5.88	-2.33

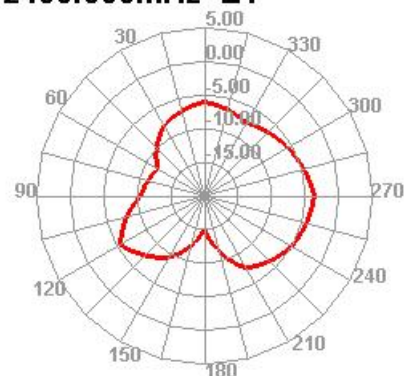
4.3 Radiation pattern



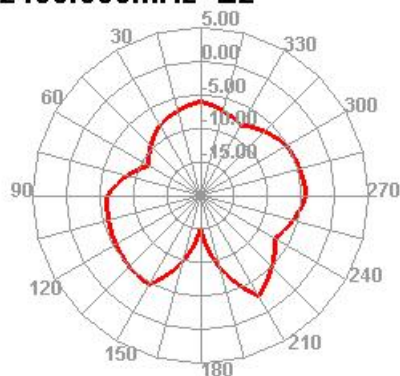
2400.000MHz H



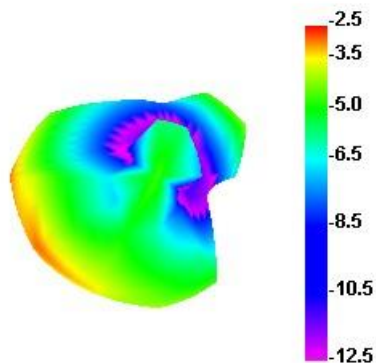
2400.000MHz E1



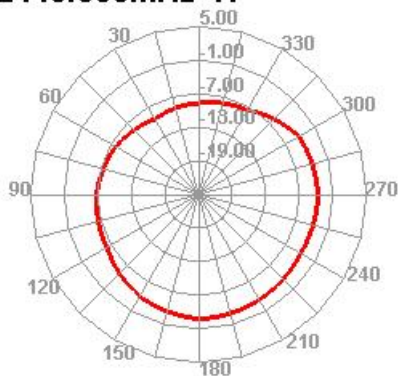
2400.000MHz E2



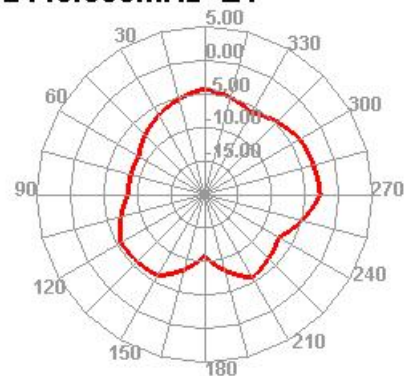
2440.000MHz



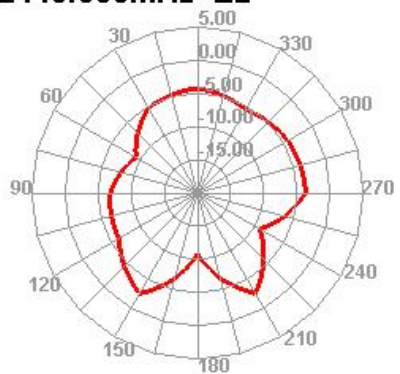
2440.000MHz H



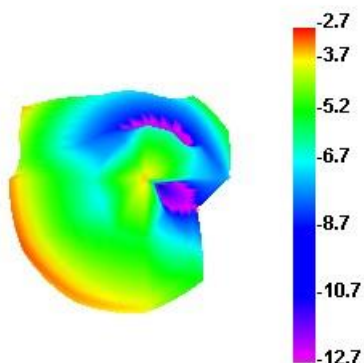
2440.000MHz E1



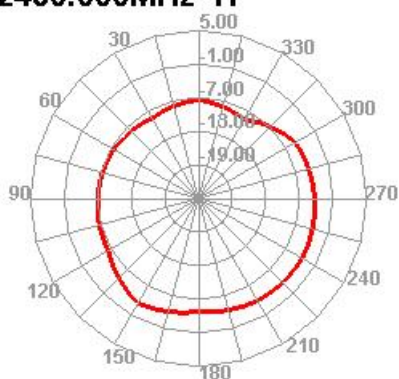
2440.000MHz E2



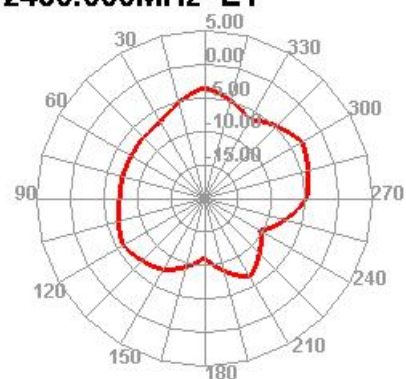
2480.000MHz



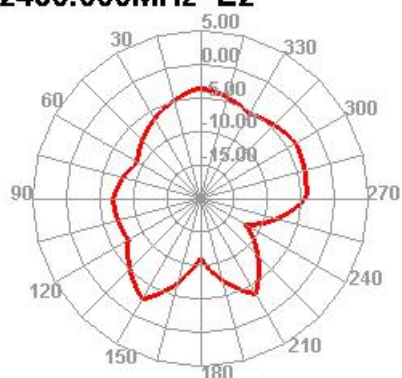
2480.000MHz H



2480.000MHz E1



2480.000MHz E2



4.4 OTA 测试数据 OTA test data

band	channel	TRP (dBm)	TIS (dBm)
Bluetooth BR	0		
	39		
	78		

4.5 实测数据 measured data

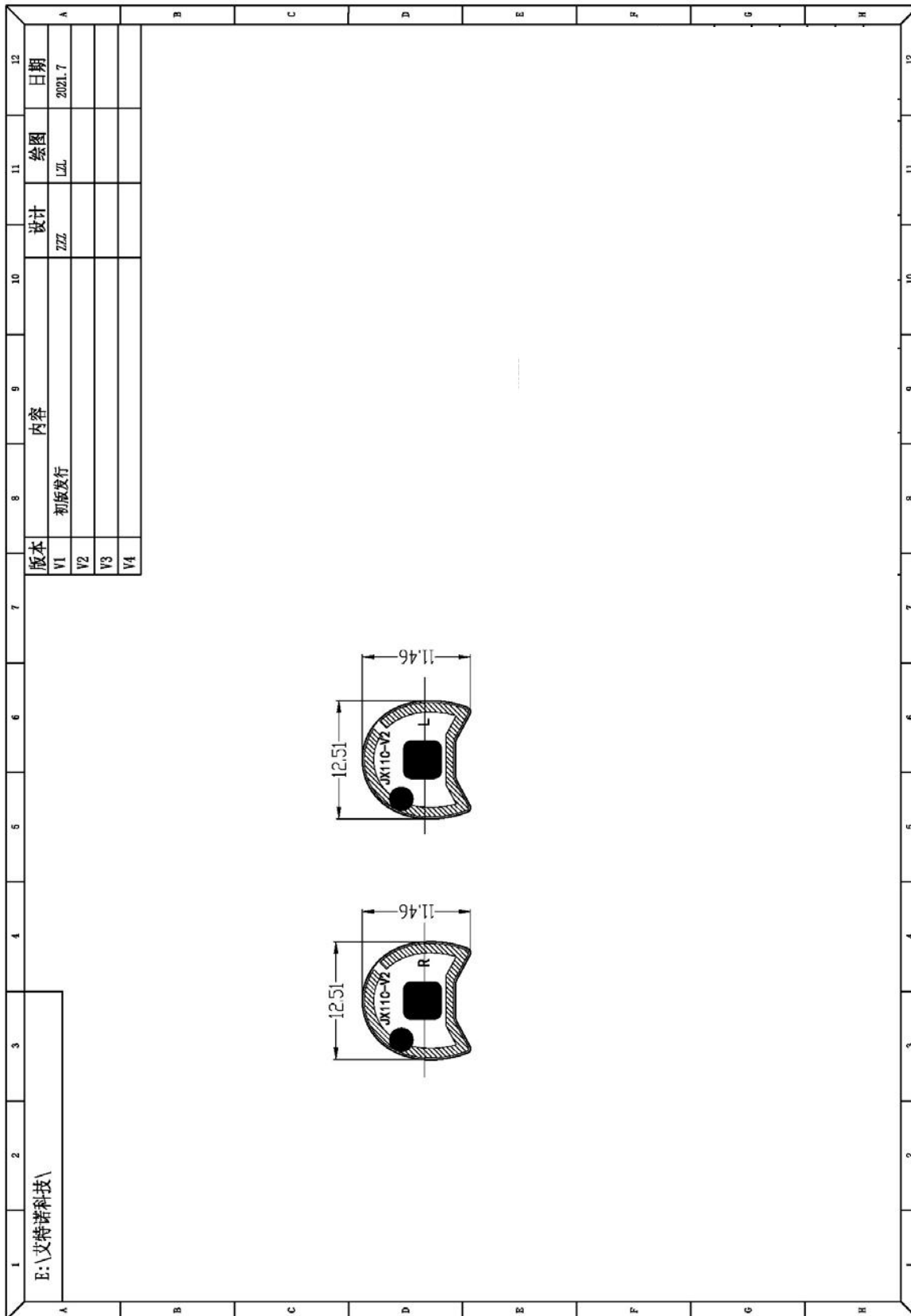
测试地点：美生创谷南门隆昌路

测试手机	iphone6s
听音乐全向 (m)	18

五、环境处理 Environment

1	无
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六、工程图纸 Drawing



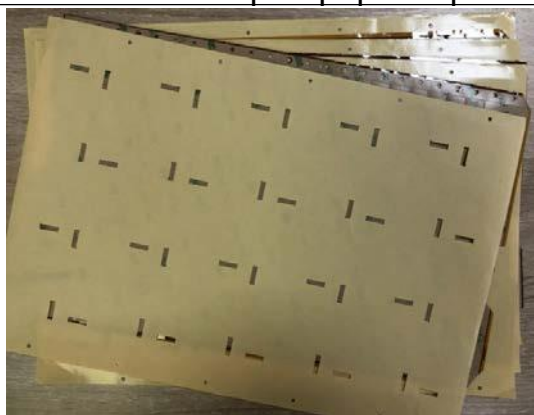
七、包装方式

SHENZHEN ATN COMMUNICATION EQUIPMENT CO.LTD

产品包装 Packing

品名规格: JX11 Product name and specification: JX 11	Version: V1.0	页码: 1/1
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1.Place the protective antenna on the shaped paper separator



2.Packaging effect of the sealing bag



3. 纸箱封箱效果 (贴出货标签和 ROHS 标签)

Carton sealing effect (shipping label and ROHS label)



制作: 刘子龙