



深圳市艾特诺通讯设备有限公司
SHENZHEN ATN COMMUNICATION TECHNOLOGY CO., LTD.

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承 认 书

SPECIFICATION FOR APPROVL

客 户: CUSTOMER:	HunanJIUYEE MedicalTechnologyCo.,Ltd
客 户 编 号: CUSTOMER P/N:	JY004
本 厂 编 号: OUR MODEL NO:	ATN1456
规 格: SPECIFICATIONS:	2. 4G-2. 48G 天线 (RL 相同) 2. 4G-2. 48G antenna (same RL)
样 品 数: Q' TY:	1 PCS
日 期: DATE:	2023. 10. 19

地址：深圳市宝安区新安街道留仙二路美生创客科技园夏谷 504-505 室
Address: 504-505, XiaGu, Wonderful life creative valley, Xinan, Baoan, ShenZhen.
Tel (电话): 0755-29308863 Fax (传真): 0755-29308861

一、测试设备 Test Equipment&Conditions

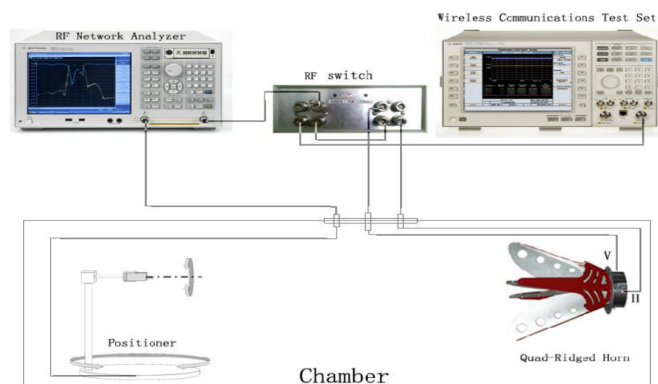
1.1 网络分析仪 (Network Analyzers)

Agilent Technologies E5071B

1.2 综合测试仪 (Communications Test Set)

CMW500

1.3 3D 暗室测试系统 (3D Chanber Test System)



二、产品规格 Product Specification

2.1、Material&Mechanical Characteristics

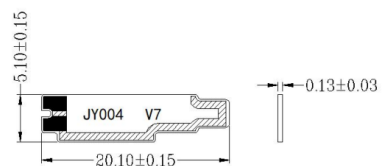
材质 Material

FPC

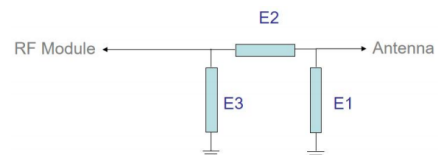
2.2、储存条件Storage conditions

储存温度 Storage Temperature	22℃±5℃
相对湿度 relative humidity	35-65%
储存期限 Storage life	360 天

2.3、产品图片product picture



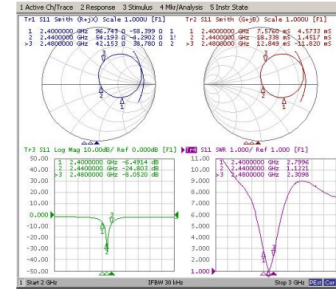
三、匹配电路 Matching circuit



Element	Value
E1(0201)	NC
E2(0201)	0Ω
E3(0201)	NC
L/R匹配电路相同	

测试数据报告 Test Data Report

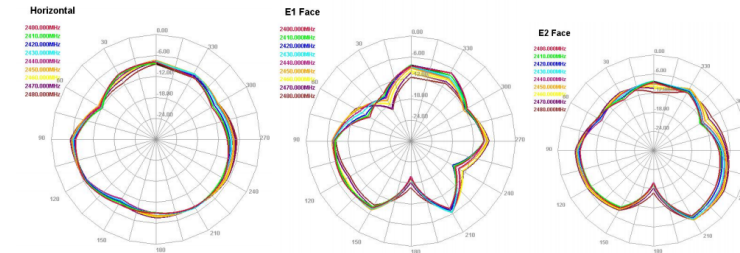
1 S11 Parameter



2 增益和效率 Gain & Efficiency

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	11.42	-9.42	-5.43
2410	10.99	-9.59	-5.53
2420	11.4	-9.43	-5.51
2430	12.31	-9.1	-5.07
2440	12.58	-9	-5
2450	13.68	-8.64	-4.64
2460	13.98	-8.54	-4.67
2470	13.99	-8.54	-4.7
2480	13.86	-8.58	-4.57

3 方向图 Radiation pattern



4 OTA 测试数据 OTA Test Data

band	channel	TRP (dBm)	TIS (dBm)
Bluetooth BR (L) 自由空间	0	-0.1	-79.5
	39	1.7	-80.4
	78	2.1	-81.7
band	channel	TRP (dBm)	TIS (dBm)
Bluetooth BR (H) 自由空间	0	-1.7	-78.5
	39	-0.1	-80.4
	78	3.0	-80.8
band	channel	TRP (dBm)	TIS (dBm)
Bluetooth BR (L) 头模	0	-1.3	-78.0
	39	0	-79.3
	78	-1.7	-78.5
band	channel	TRP (dBm)	TIS (dBm)
Bluetooth BR (H) 头模	0	-1.7	-78.4
	39	-0.2	-79.2
	78	1.7	-80.3