

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:

乐迈 ROMAN

客 户 编 号:

CUSTOMER P/N:

T208X-BT8926B

本 厂 编 号:

OUR MODEL NO:

ATN1265

规 格:

SPECIFICATIONS:

2. 4G-2. 48G FPC antenna

样 品 数:

Q' TY:

1 SET

日 期:

DATE:

2021. 09. 07

深圳市艾特诺通讯设备有限公司 SHENZHEN ATN COMMUNICATION EQUIPMENT CO., LTD			客户 CUSTOMER		
工程 Engineering	品保 Quality	核准 Approved	工程 Engineering	品保 Quality	核准 Approved

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change log				
Issue/Change Date	Reason for change	change content	Version	Remark
2021.09.07	new release	new release	V1.0	

一、Test Equipment

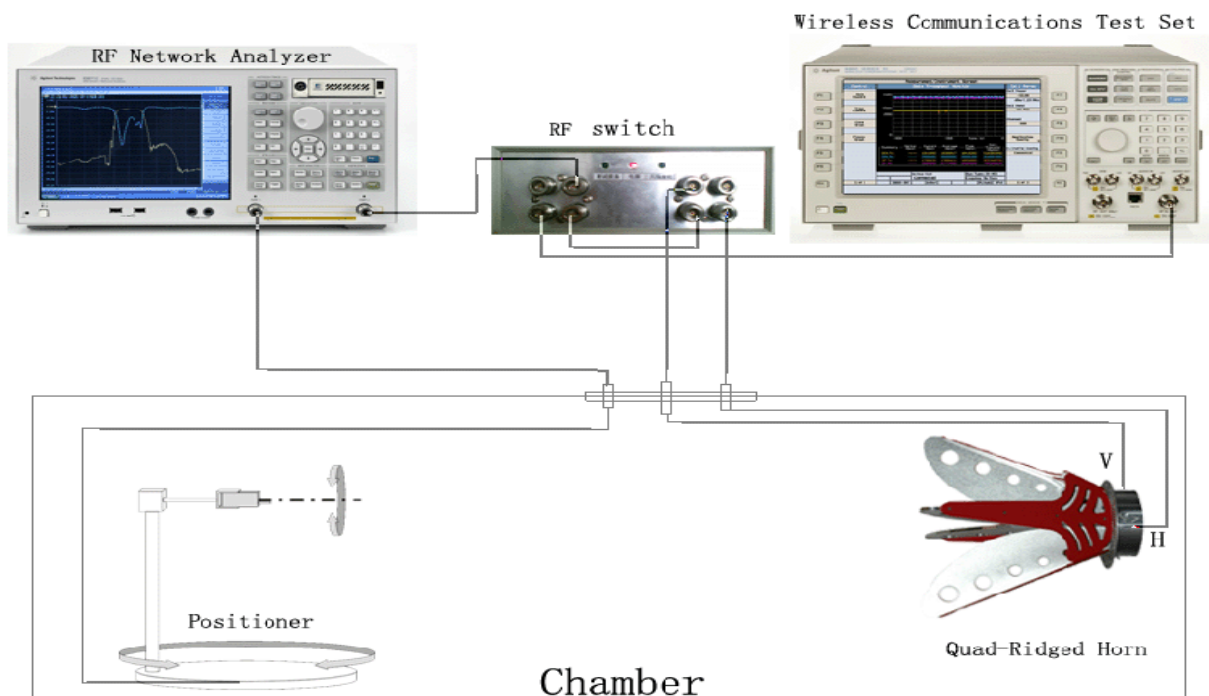
1. Network Analyzers

Agilent Technologies E5071B

2. Communications Test Set

CMW500

3. 3D Chanber Test System



二、Product Specifications

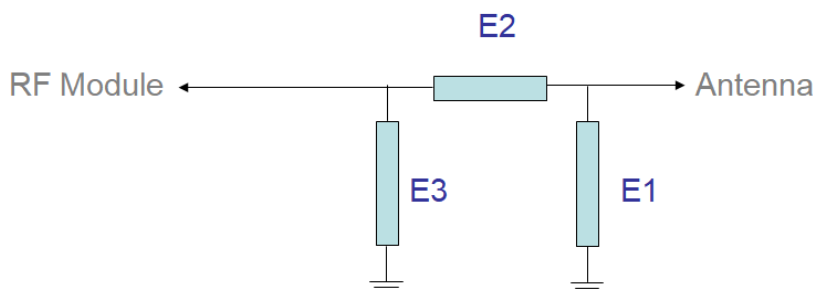
1、Material&Mechanical Characteristics

Material	FPC
Dimension	mm

2、storage and use temperature

Operation Temperature	-20°C~+80°C
Storage Temperature	-20°C~+80°C

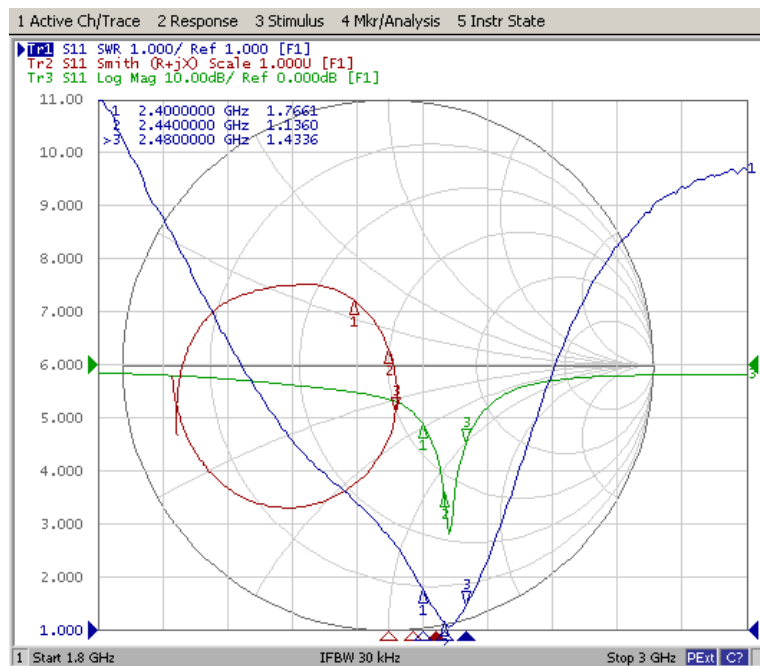
三、matching circuit



Element	Value
E1(0201)	1.5pF(murata/GRM)
E2(0201)	0Ω
E3(0201)	NC

四、performance test data

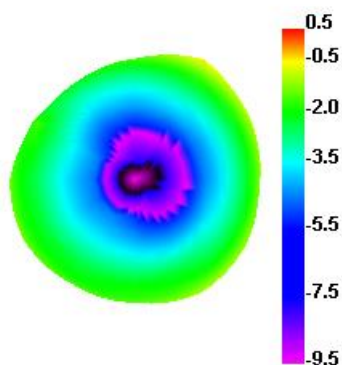
4.1 S11 Parameter



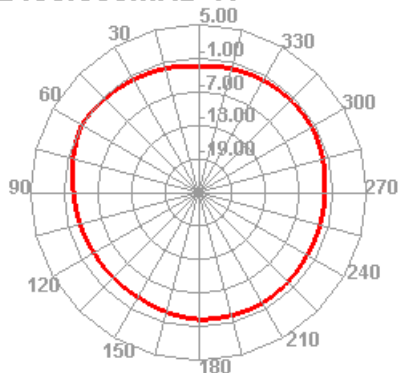
4.2 Gain & Efficiency

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	43.89	-3.58	0.52
2410	43.25	-3.64	0.3
2420	43.23	-3.64	0.49
2430	44.15	-3.55	-1
2440	43.38	-3.63	0.17
2450	46.69	-3.31	0.76
2460	44.76	-3.49	0.38
2470	46.12	-3.36	0.57
2480	41.61	-3.81	0.44
Average	44.12	-3.56	0.51

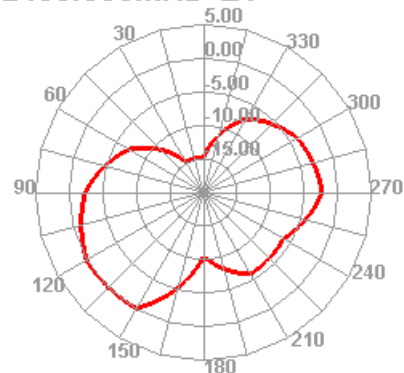
4.3 Radiation pattern 2400.000MHz



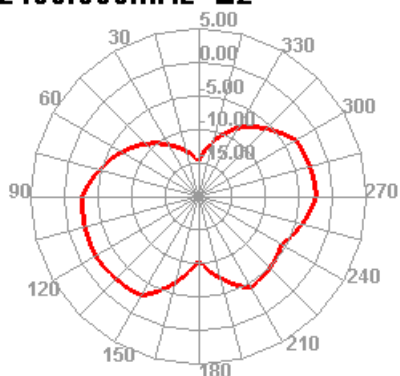
2400.000MHz H



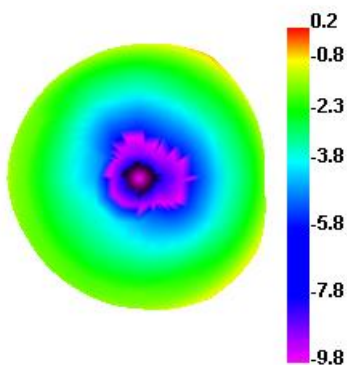
2400.000MHz E1



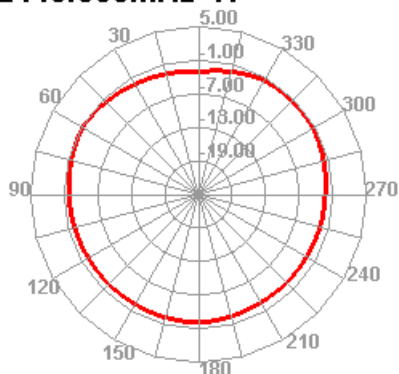
2400.000MHz E2



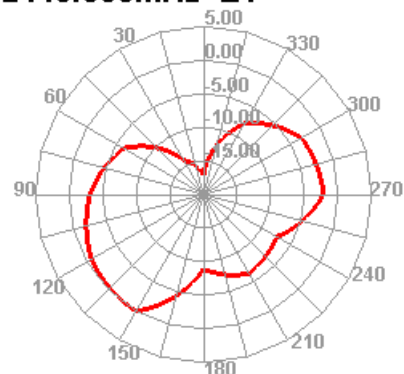
2440.000MHz



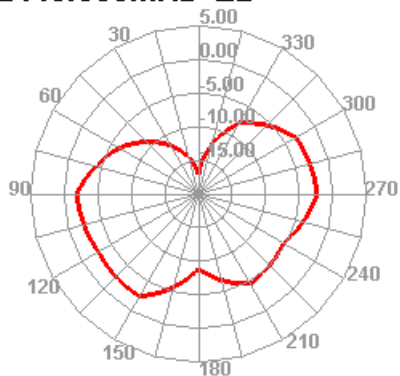
2440.000MHz H

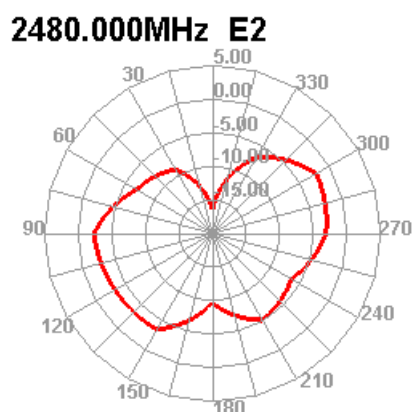
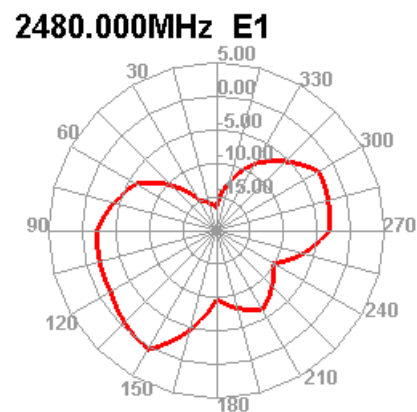
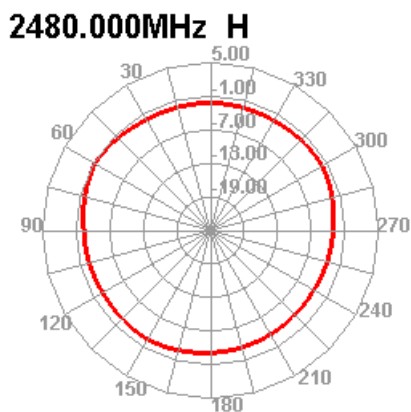
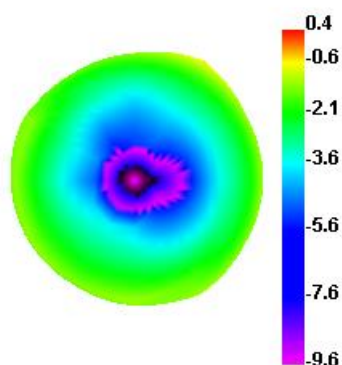


2440.000MHz E1



2440.000MHz E2





4.4 OTA test data

band	channel	TRP (dBm)	TIS (dBm)
Bluetooth BR(L)	0	4.5	-85.3
	39	4.1	-85.4
	78	3.4	-86.6

4.5 actual data

测试地点：美生创谷南门隆昌路

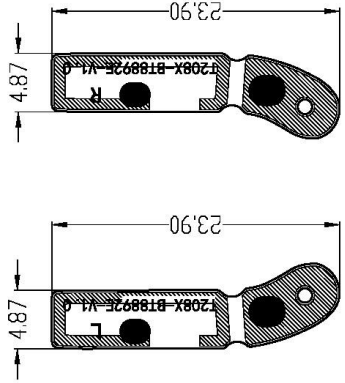
测试手机	iphone 6s
全向 (m)	16

五、Environmental treatment

1	无
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六、blueprint

1	2	3	4	5	6	7	8	9	10	11	12
E:\艾特诺科技\							内容		设计		日期
版本							初版发行		ZZZ		2021.07.27
VI.0							VI.1		ZZZ		
VI.1							VI.2				
VI.2							VI.3				
VI.3											



NOTES:

1. 产品必须符合ROHS标准。
2. 能通过24H的盐雾测试及-20~80℃高低温测试。
3. 油墨采用无卤油墨。
4. 采用沉金工艺, 不做电镀引线
5. 字体: 黑体, 未标注公差尺寸, 参考一般公差。
6. 产品表面不可压伤、划痕、折伤、油污、斑点等不良。
7. 产品用曝光工艺, R/L各一侧排板, 同类排板方向相同

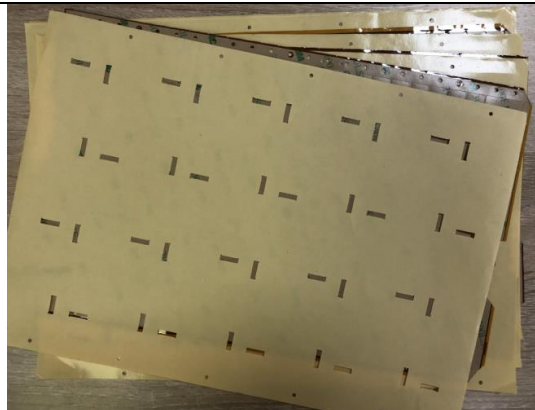
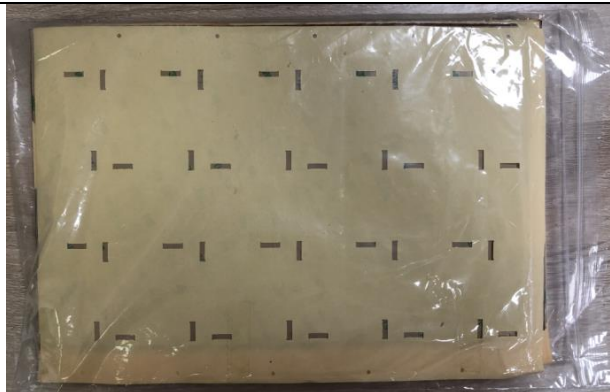
名称		ATN1265		主版本号		2021.07.27	
一般公差		±0,5		标识字符		设计 ZZZ	
X,		树脂 电解铜/-对半		镀点		沉金IU	
, X		±0,25		模具		铜模+半切	
, XX		±0,15		图幅		A-	
, XXX		±0,05		比例		1:1	
ANGULAR		±0,5		单位		mm	
				第一视角		版本 V1.0	

七、Packing

深圳市艾特诺通讯设备有限公司

SHENZHEN ATN COMMUNICATION EQUIPMENT CO.LTD

Product packaging

Product name: T208X	version: V1.0	page: 1/1
1.The release paper compartment is placed to protect the antenna	2.Sealing bag packaging effect	
		
3.Carton sealing effect (with shipping labels and ROHS labels)		
		

Produced by: Liu Zilong