

TDE台德 部品承认书

PART FOR APPROVAL

文件编号: JX-RD-04-036

Ver: 1.2

No:

原厂名称 (品牌名称) Vendor Name: INNOWAVE

原厂型号 Vendor Part P/N: F222K5612T11000

原厂规格描述 Part Description: JK56-B1 天线成品

供应商确认签章: 昆山睿翔讯通通信技术有限公司

台德适用机型 Model: BT782

台德 ERP 料号 Part No: E110002964

台德部品名称 Part Name: FPC 天线

台德规格描述 Part Description:

天线,2.4G FPC 45*10 内置天线 1.13 黑色线材 L=115MM+一代端子,包 EVA 泡棉,品牌: 睿翔, 字符: BT782 天线-T03, HF,ROHS2.0+REACH

物料购置方式: ☐ 自购物料 ☐ 客供物料

备注 Remarks:

承认签章:

承认日期:

RD/研发中心	QA/品质中心	APPROVED/批准

注: 出承认书需要规格书、样品、测试报告验证无误后方可签名。

发放部门: ☒ 研发

☐ 采购

☐ 品质 IQC

Antenna manufacturer name: Kunshan Ruixiang Xuntong Communication Technology Co., Ltd

Antenna manufacturer address: Building H, Jindudi Zhiyuan Garden, No. 55 Shengchuang Road, Yushan Town, Kunshan City, Jiangsu Province

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BT782-Electrical Specification

1-1 Specification

BT782 - Bluetooth antenna for audio, working band is 2.4-2.5GHz.

1-2 Antenna Diagram

Antenna left

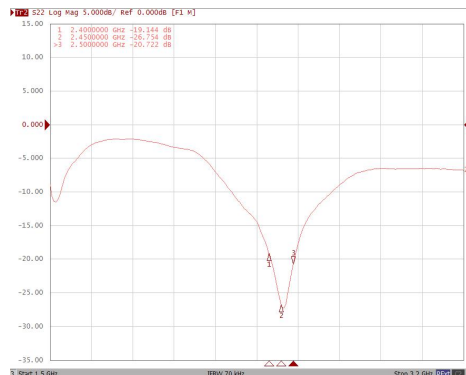


Antenna right

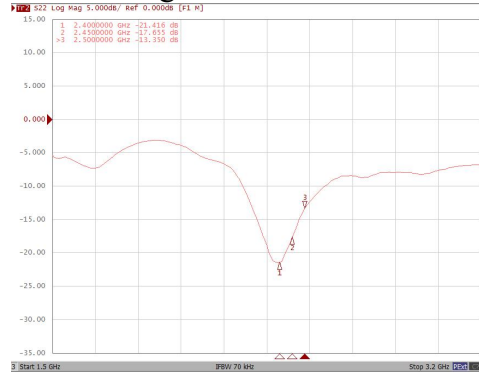


1-3 Parameter

Antenna left S11



Antenna right S11



1-4 Efficiency and Gain

Antenna left passive efficiency:

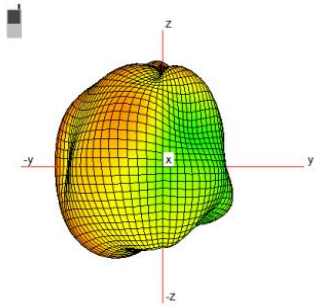
Fre (MHz)	Eff(dB)	Gain(dB)	Eff(%)
2400	-3.2	3.0	47.6
2410	-3.4	2.8	46.1
2420	-3.3	3.0	46.7
2430	-3.3	2.9	46.4
2440	-3.3	3.0	47.3
2450	-3.2	3.0	48.1
2460	-3.0	3.3	50.0
2470	-3.0	3.3	49.9
2480	-3.0	3.4	50.6
2490	-2.9	3.4	51.2
2500	-3.0	3.3	50.2

Antenna right passive efficiency:

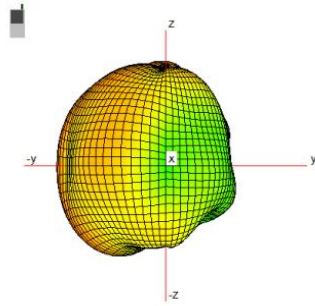
Fre (MHz)	Eff(dB)	Gain(dB)	Eff(%)
2400	-3.2	3.0	47.6
2410	-3.3	2.9	47.0
2420	-3.2	3.1	48.3
2430	-3.2	3.0	48.3
2440	-3.1	3.2	49.2
2450	-3.0	3.2	50.1
2460	-2.9	3.3	51.3
2470	-2.9	3.4	51.6
2480	-2.8	3.6	52.0
2490	-2.8	3.4	52.7
2500	-2.9	3.5	51.0

1-5 Antenna 3D Radiation Pattern

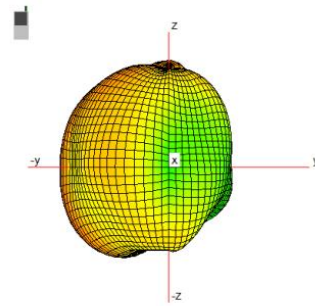
Antenna left 2.4G



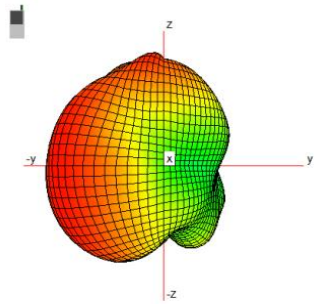
Antenna left 2.45G



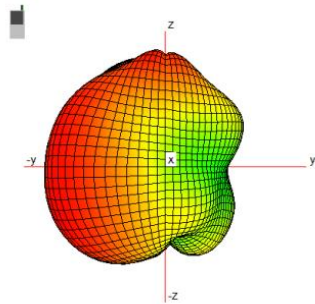
Antenna left 2.5G



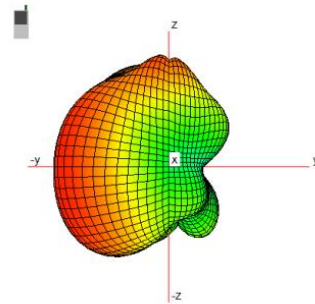
Antenna right 2.4G



Antenna right 2.44G

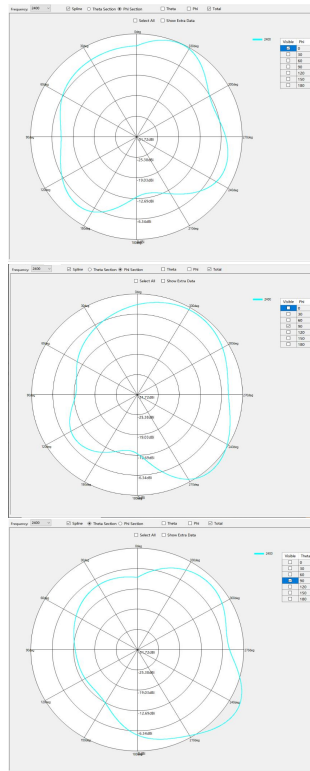


Antenna right 2.5G

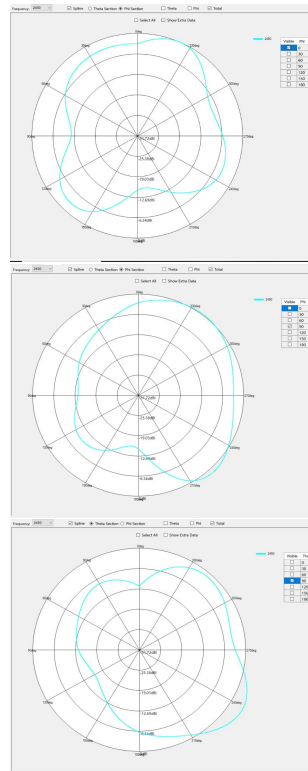


1-6 Antenna 2D Radiation Pattern

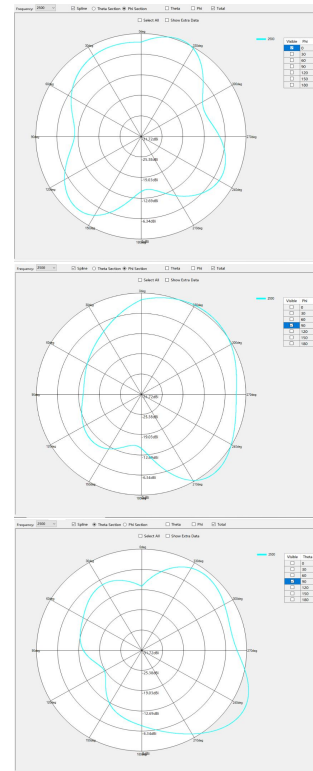
Antenna left 2.4G



Antenna left 2.45G

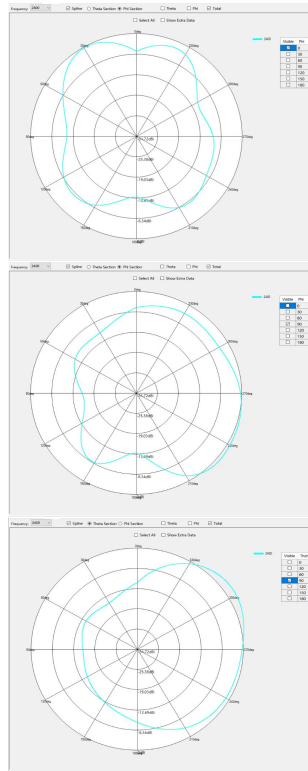


Antenna left 2.5G

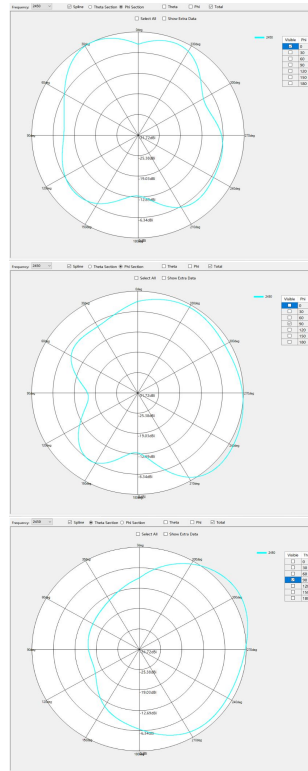


1-6 Antenna 2D Radiation Pattern

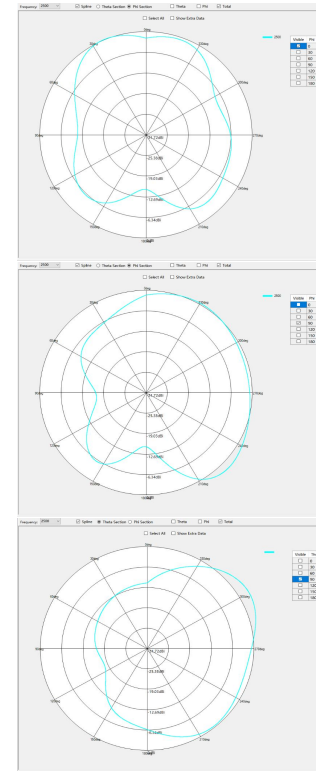
Antenna right 2.4G



Antenna right 2.45G

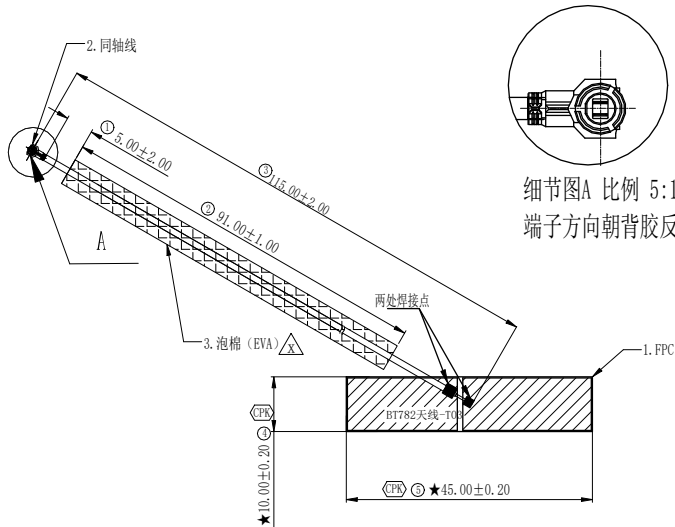


Antenna right 2.5G

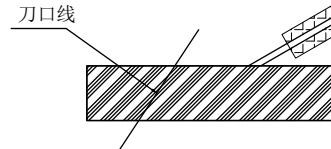


涉密图档

装配图



细节图A 比例 5:1
端子方向朝背胶反面



反面 (B面)

技术要求:

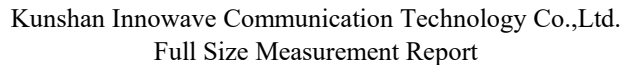
- 带“★”尺寸为重点尺寸,带“CPK”需要做CPK的尺寸,“()”为实配尺寸,“△”为设计变更,未注公差参考公差表;
- 要求焊点光滑无凸起,无虚焊,堆锡,短路等现象;
- 图面尺寸用以检验外形功能和装配,按我司内部 RX-WI-QAC-014可靠性试验标准执行,所有物料均符合我司RX-WI-QAC-008符合HF&ROHS&Reach要求。
- 满足盐雾实验/附自力测试等相关可靠性测试,
- PE袋包装。
- 此图档属于商业秘密,仅限于指定的个人或组织用,未经许可,不得泄露给任何第三方。

未注尺寸公差表

尺寸范围	公差	公差等级
>200	± 0.20	ANGLES
100-200	± 0.15	
50-100	± 0.12	± 1'
10-50	± 0.10	
0-10	± 0.05	

3	泡棉	M222K5607T11000	EVA+3M9448A △	
2	同轴线	S222K5602T11000	普通线径1.13MM, 黑色, 国产1代端子	1
1	FPC	M222K5601T11000	一对半电解铜基材+背胶3M9471 T=50um	1
序号	名称	料号	描述	用量

机 种	JK56			设 计	马 录	日 期	2025.07.07
名 称	JK56-BT天线成品			R F	李 清	日 期	2025.07.07
料 号	F222K5612T11000			审 核	谢雨晴	日 期	2025.07.07
版 本	V01	图框	A4	INNOWAVE			
比 例	FIT	第三视角 					
单 位	mm						

[illegible]

 Kunshan Innowave Communication Technology Co.,Ltd.												
CPK Report												
Part Number(料号)	F222K5612T11000				Vendor(供应商)				Innowave			
Description(零件名称)	JK56 BT Antenna				Inspected(确认者)				杨瑾			
Tool Number(模号)	/				Inches/MM(英寸/毫米)				MM			
Cavity(穴号)	/				Material Name(材质名称)				FPC+泡棉+同轴线			
					Material Code(材质牌号)				/			
Revision(版本)	T02				Date(日期)				2025.4.18			
Dim. Designator(尺寸序号)	4	5										
Nominal(公称尺寸)	10.00	45.00										
+ Tolerance(正公差)	0.20	0.20										
- Tolerance(负公差)	-0.20	-0.20										
Upper Limit(规格上限)	10.20	45.20										
Lower Limit(规格下限)	9.80	44.80										
1	9.96	45.05										
2	10.02	45.02										
3	9.95	45.02										
4	9.98	45.07										
5	10.01	45.06										
6	9.97	44.97										
7	10.03	45.07										
8	10.02	44.97										
9	9.99	45.06										
10	10.00	45.01										
11	9.98	45.03										
12	10.02	45.00										
13	9.90	44.98										
14	9.96	45.03										
15	10.00	45.02										
16	10.01	45.06										
17	9.94	45.05										
18	10.09	45.02										
19	9.98	45.03										
20	9.99	45.06										
21	9.93	45.07										
22	9.98	45.04										
23	9.99	45.10										
24	10.07	45.04										
25	9.95	44.95										
26	9.95	45.04										
27	9.95	45.04										
28	9.96	45.05										
29	10.05	45.06										
30	10.04	44.99										
31	9.95	45.04										
32	9.95	45.02										
MAX.	10.09	45.10										
MIN.	9.90	44.95										
AVERAGE	9.99	45.03										
STDEV	0.04	0.03										
CP	1.59	1.98										
Cpk	1.48	1.66										
TOOLING(测量工具)	卡尺	卡尺										

审核：杨瑾

日期：2025-2-7