

天线样品承认书

Antenna Sample Confirmation

客户名称 Customer	深圳市泰辑物联网科技有限公司 Shenzhen Taiji Internet of Things Technology Co., Ltd			
	深圳市凯普深通讯科技有限公司 Shenzhen Kaipushen Communication Technology Co., Ltd			
项目名称 Project Name	OY70T	日期 Date	2023-06-20	
物料编号 Project NO.		备注 Notes		
客户料号 Customer Material No	G0115010002			
频段 Frequency Range	BT			
设计 Designed By	RF Engineer		Structural Engineer	
审核 Checked By	Engineering Manager			
客户确认 Client's Approval				

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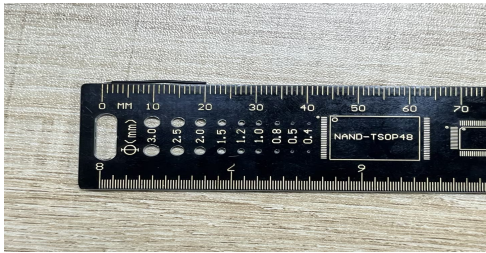
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1. 规格书概述 Overview of specifications

该规格书描述 OY70T 内置式导线天线的状况，其频段为 BT。

This specification describes the condition of OY70T built-in wire antenna,Its frequency band is BT.

2. 天线外观 Antenna appearance



3. 电性能 Electrical

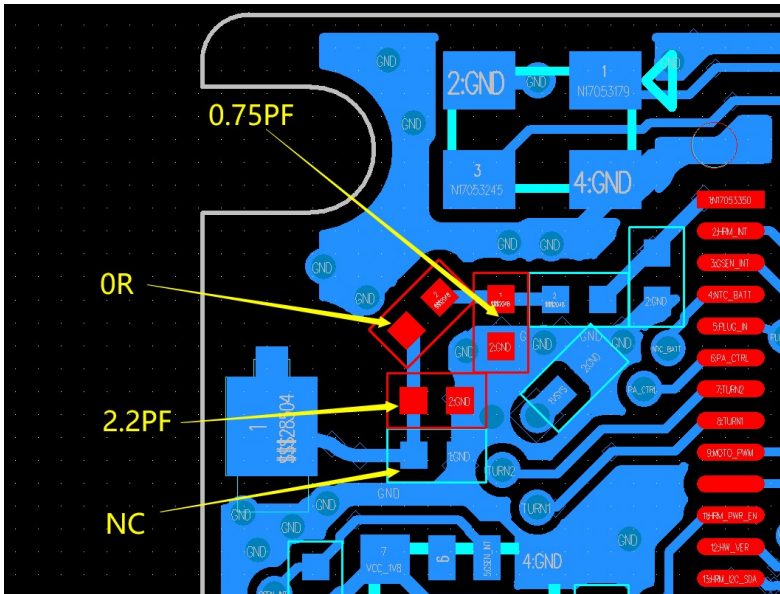
3.1. 天线频段 Antenna band

	BT
发射频段(MHz)	2400MHz-2480MHz

3.2. 匹配电路 Matching circuit

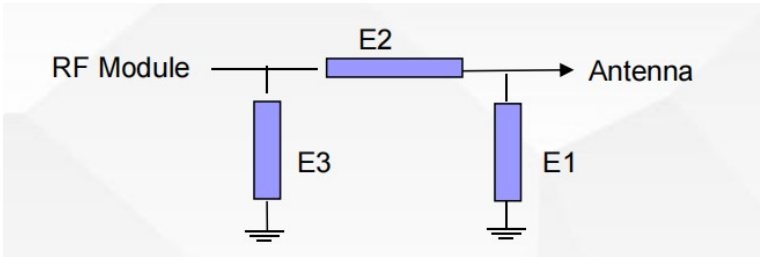
测试点是天线焊盘，见下图

The test point is the bonding pad of antenna,as shown below.



1. BT 天线匹配 Matched antenna 。

Element	Value
E1	2.2PF
E2	OR
E3	0.75PF

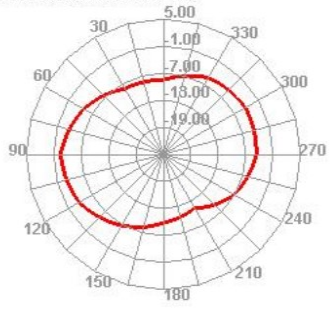
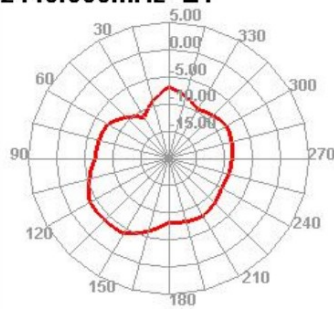
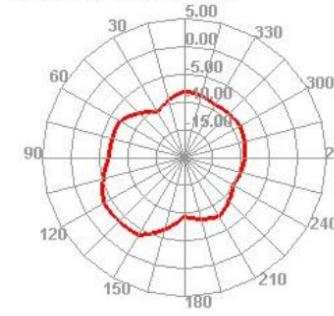


3.3. 回波损耗 Return Loss

BT VSWR+ Return

	谐振点范围(MHz)	频点(MHz)/最大回波损耗(dB)		
	2400-2500		2400	2480
		VSWR	1.04	2.01
		Return loss	-12.38	-10.54

3.4 天线增益 Antenna gain

Channel	0	39	78
Gain	-2.69dBi	-2.54dBi	-2.98dBi
Gain diagram			

自由空间

手模

Free space

Hand Mold

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	19.95	-7	-2.69
2410	18.34	-7.37	-3.01
2420	18.78	-7.26	-2.83
2430	18.79	-7.26	-2.96
2440	20.98	-6.78	-2.5

4. 外观结构 Appearance and structure

4.1. 天线材质 Antenna material

导线天线 Wire antenna

5. 备注