

Antenna Datasheet



东莞市一佳电通讯科技有限公司

Dongguan YiJia Electronics Communication Technology Co.,Ltd.

规格承认书

SPECIFICATION FOR APPROVAL

日期
Date 2022/05/13

编号
File No 22051302

版本
Revision 1.0

客户
CUSTOMER: 天有为

客户料号
CUSTOMER NO: J100

品名
PART NAME: Bluetooth Antenna

供方料号
SUPPLIER NO: YJQ01.097.001.301A

送样日期Date: 送样数量Q “TY:

客户确认CUSTOMER APPROVED BY

APPROVAL

CHIEF

SUPERVISOR

供方确认 SUPPLIER SIGNATURE

APPROVAL

CHECK

DESIGN

ChenGuoqiang

XieLi

ChenXingyi

YJ-RD-F04-A

add: 东莞市长安镇沙头社区木鱼路59号元富工业区 Tel:0769-82586086 Fax:0769-82586086



承认书项目表

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10	N/A	N/A	N/A
11	-	-	-
12	-	-	-
13	-	-	-

RoHS
Compatible

CUSTOMER

PART NO

REV.

DESCRIPTION

DATE

△

首次发行

2022-05-13

△

更新线长

2021-12-07

△

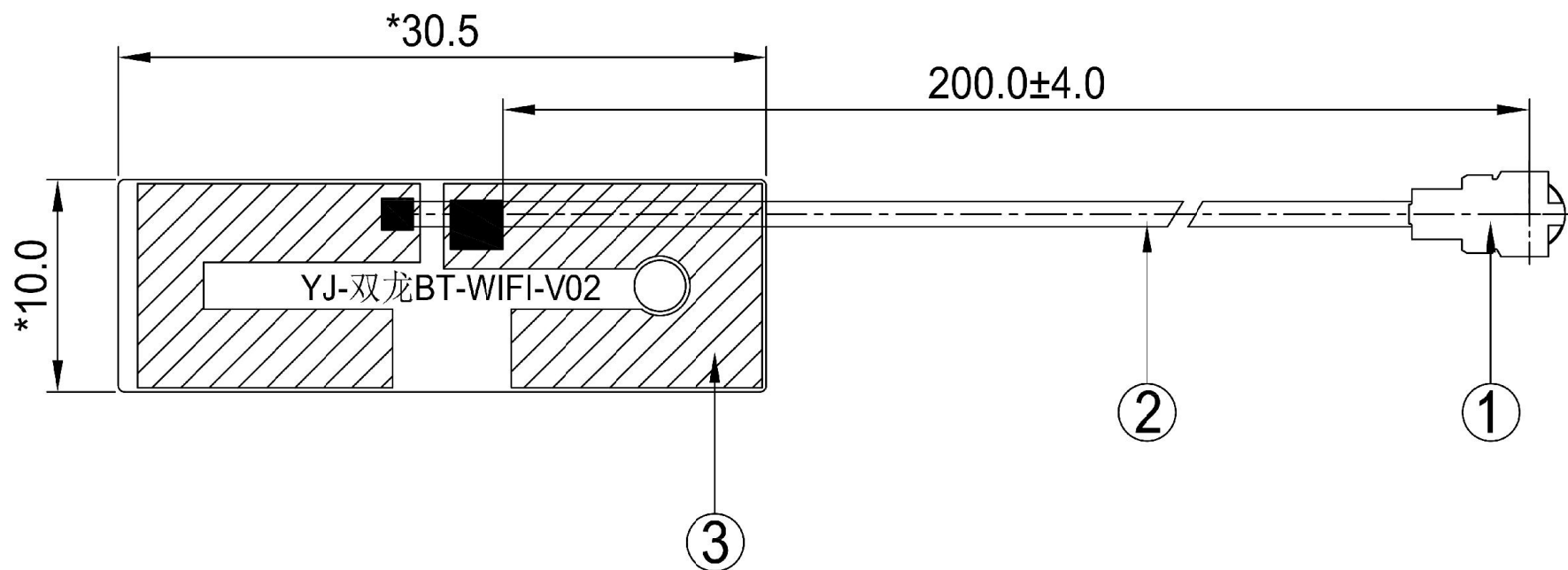
更改线长

2022-02-22

△

修改天线线路

2022-05-13



3	PCB Black	30.5*10.0*1.0MM	PCB	FPC1000XA.P01	1
2	Coaxial Cable	O.D.1.13 Black	O.D.1.13	COA1000XA.P01	1
1	Mini Connector	Au Plated 1代	Cu	TER1000XA.P01	1
NO	PART NAME	DESCRIPTION	Material	Part Number	Q.TY



东莞市一佳电子通讯科技有限公司

Dongguan YiJia Electronics Communication Technology Co.,Ltd. Tel :0769-85535057 Fax:0769-81664308

PART NAME: WiFi Antenna

PART NO.: YJQ01.097.001.301A

DATE: 2022-05-13

APPROVED BY

CHECKED BY

DESIGNED BY



Tolerance

陈国强

殷涛

吕森桦

UNITS: mm

X.X ±0.50

SCALE: 1/1

X.XX±0.15

REVISION: A

X° ±3°



天线规格

Antenna Specification

Electrical Properties

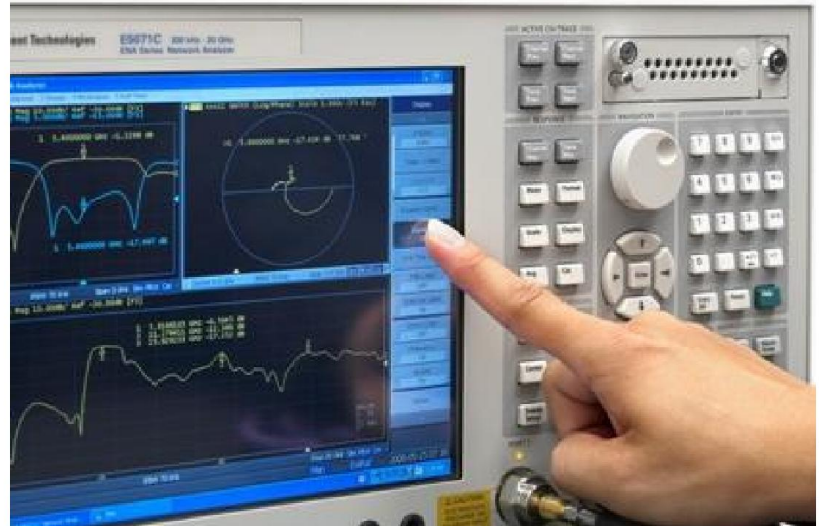
Frequency	2.4-2.5GHz
Impedance	50 Ohm Nominal
V.S.W.R	2.0 Max
Gain	3.8 dBi
Radiation	Omni-directional
Polarization	Linear

Physical Properties

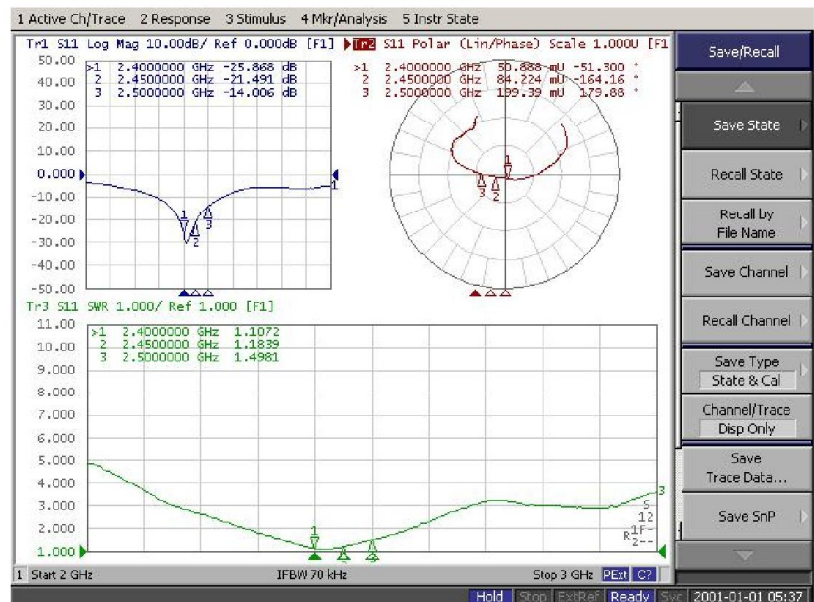
Connector	1代IPEX
Cable Type	O.D.1.13mm
Cable Length	200mm
Cable Color	Black
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity	25±5°C / <70%



Agilent E5071B



S Parameter Test // BT Antenna





Passive Test For BT2.4G

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	32.7	-4.9	2.9
2410	33.2	-4.8	2.7
2420	33.8	-4.7	2.6
2430	33.4	-4.8	2.6
2440	33.3	-4.8	2.7
2450	35.3	-4.5	3.1
2460	35.2	-4.5	3.2
2470	36.0	-4.4	3.4
2480	35.2	-4.5	3.4
2490	35.4	-4.5	3.5
2500	37.2	-4.3	3.8