



东莞市一佳电子通讯科技有限公司

Dongguan YiJia Electronics Communication Technology Co.,Ltd.

# 规格承认书

## SPECIFICATION FOR APPROVAL

日期 2020/09/04  
Date

编号 20090402  
File No

版本 1.0  
Revision

客 户 道通

CUSTOMER: \_\_\_\_\_

客户料号 PT2011

CUSTOMER NO: \_\_\_\_\_

品 名 BT Antenna

PART NAME: \_\_\_\_\_

供方料号 YJI01.005.016.301A

SUPPLIER NO: \_\_\_\_\_

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            | WenXue | ChenXingcheng |

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

| NO<br>. | 内 容<br>(Contents)            | 页 数<br>(Number of<br>Page) | 页 码<br>(Page<br>Code) |
|---------|------------------------------|----------------------------|-----------------------|
| 1       | 承认书封面 (Spec Cover)           | 1                          | 1                     |
| 2       | 承认书项目表 (Spec Item)           | 1                          | 2                     |
| 3       | 工程成品图 (Drawing)              | 1                          | 3                     |
| 4       | 天线规格 (Antenna Specification) | 1                          | 4                     |
| 5       | S参数测试 (S Parameter)          | 1                          | 5                     |
| 6       | 无源测试 (Passve Test)           | 2                          | 6 ~ 7                 |
| 7       | 天线装配图 (Antenna Profile)      | 3                          | 8 ~10                 |
| 8       | 材质证明 (Material Certificate)  | 34                         | 11 ~ 44               |
| 9       | RoHS报告 (RoHS Test Report)    | **                         | **                    |
| 10      | N/A                          | N/A                        | N/A                   |
| 11      | -                            | -                          | -                     |
| 12      | -                            | -                          | -                     |
| 13      | -                            | -                          | -                     |



# 天线规格

## Antenna Specification

### Electrical Properties

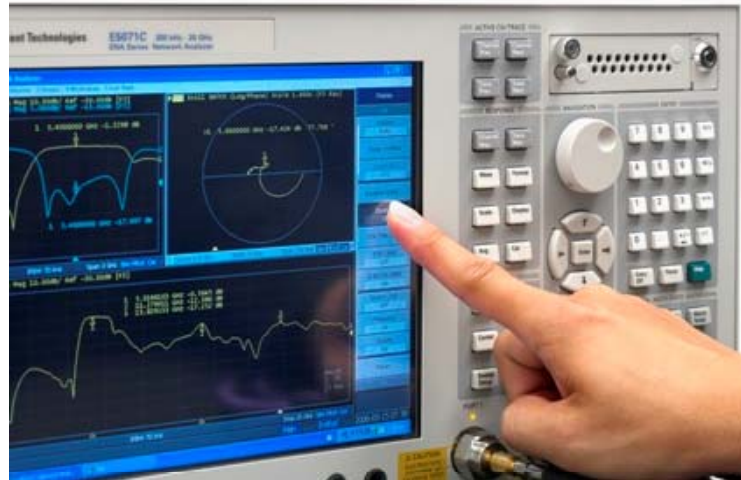
|              |                  |
|--------------|------------------|
| Frequency    | 2.4-2.5GHz       |
| Impedance    | 50 Ohm Nominal   |
| V.S.W.R      | 2.0 Max          |
| Gain         | 1.0dBi           |
| Radiation    | Omni-directional |
| Polarization | Linear           |

### Physical Properties

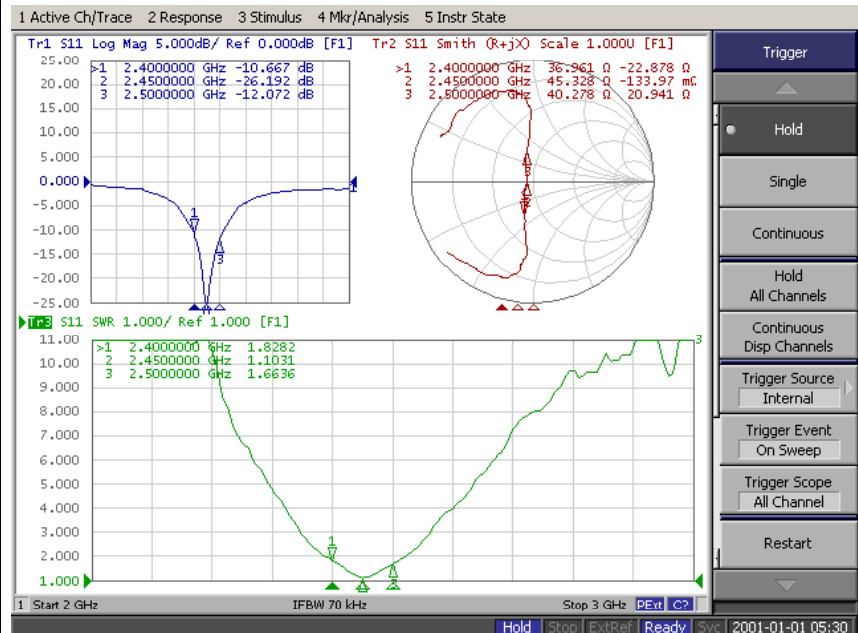
|                         |              |
|-------------------------|--------------|
| Connector               | 1代IPEX       |
| Cable Type              | O.D.0.81mm   |
| Cable Length            | 25mm         |
| Cable Color             | Black        |
| Operating Temp.         | -40 ~ +85 °C |
| Storage Temp / Humidity | 25±5 / <70%  |



## Agilent E5071B



## S Parameter Test // BT Antenna





| Passive Test For BT Antenna |             |              |               |
|-----------------------------|-------------|--------------|---------------|
| Freq<br>(MHz)               | Effi<br>(%) | Effi<br>(dB) | Gain<br>(dBi) |
| 2400                        | 48.3        | -3.2         | 0.5           |
| 2410                        | 48.4        | -3.2         | 0.2           |
| 2420                        | 49.6        | -3.1         | 0.1           |
| 2430                        | 50.5        | -3.0         | 0.2           |
| 2440                        | 50.5        | -3.0         | 0.3           |
| 2450                        | 52.7        | -2.8         | 0.6           |
| 2460                        | 51.7        | -2.9         | 0.6           |
| 2470                        | 53.0        | -2.8         | 0.9           |
| 2480                        | 52.5        | -2.8         | 1.0           |
| 2490                        | 51.9        | -2.8         | 1.0           |
| 2500                        | 52.4        | -2.8         | 1.0           |