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## **Internal Antenna Product Specification**

Manufacturer: KunShan Innowave Communication Technology CO., Ltd.

Product: Bluetooth Antenna

Part number: F001D4906T70001

Internal Antenna Product Specification

全尺寸测量报告

|     | 物料编码 | HQ26004000010 |        | 零件名称   |      | SS6950B(ND49)-钢片-天线成品 |       | 规格    |       | 钢片    | 材料         | PI基材       |
|-----|------|---------------|--------|--------|------|-----------------------|-------|-------|-------|-------|------------|------------|
|     | 供应商  | 睿翔            |        | 测量工具   |      | 二次元                   |       | 测量单位  |       | MM    | 测量日期       | 2024.1.2   |
| NO. | 尺寸   | 上限            | + TOL. | - TOL. | 下限   | 实测 1                  | 实测 2  | 实测 3  | 实测 4  | 实测 5  | UPPER≤100% | LOWER≤100% |
| 1   | 15.5 | 15.6          | 0.1    | 0.1    | 15.4 | 15.51                 | 15.50 | 15.50 | 15.51 | 15.51 | 13%        | 2%         |
| 2   | 8    | 8.1           | 0.1    | 0.1    | 7.9  | 8.00                  | 8.00  | 8.01  | 8.00  | 8.00  | 9%         | 3%         |
| 3   | 1.5  | 1.6           | 0.1    | 0.1    | 1.4  | 1.53                  | 1.52  | 1.53  | 1.53  | 1.52  | 27%        | 0%         |
| 4   | 1.8  | 1.9           | 0.1    | 0.1    | 1.7  | 1.84                  | 1.82  | 1.83  | 1.83  | 1.83  | 39%        | 0%         |
| 5   | 0.8  | 0.9           | 0.1    | 0.1    | 0.7  | 0.85                  | 0.87  | 0.84  | 0.85  | 0.86  | 65%        | 0%         |
| 6   | 5.5  | 5.6           | 0.1    | 0.1    | 5.4  | 5.54                  | 5.51  | 5.51  | 5.52  | 5.52  | 41%        | 0%         |
| 7   | 16   | 16.1          | 0.1    | 0.1    | 15.9 | 16.04                 | 16.03 | 16.02 | 16.03 | 16.03 | 35%        | 0%         |
| 8   | 90   | 95            | 5      | 5      | 85   | 90.99                 | 91.21 | 90.15 | 91.90 | 90.75 | 38%        | 0%         |
| 9   | 5.7  | 5.8           | 0.1    | 0.1    | 5.6  | 5.71                  | 5.74  | 5.79  | 5.76  | 5.70  | 91%        | 0%         |
| 10  | 20   | 20.1          | 0.1    | 0.1    | 19.9 | 20.00                 | 20.01 | 20.00 | 20.01 | 20.01 | 12%        | 0%         |
| 12  | 18   | 18.1          | 0.1    | 0.1    | 17.9 | 17.99                 | 18.00 | 17.99 | 17.99 | 18.01 | 7%         | 12%        |
| 13  | 1.5  | 1.6           | 0.1    | 0.1    | 1.4  | 1.52                  | 1.52  | 1.52  | 1.52  | 1.52  | 24%        | 0%         |
| 14  | 3.5  | 3.6           | 0.1    | 0.1    | 3.4  | 3.52                  | 3.52  | 3.52  | 3.52  | 3.52  | 23%        | 0%         |
| 15  | 5    | 5.1           | 0.1    | 0.1    | 4.9  | 5.04                  | 5.04  | 5.04  | 5.04  | 5.04  | 44%        | 0%         |
| 16  | 1.5  | 1.6           | 0.1    | 0.1    | 1.4  | 1.54                  | 1.54  | 1.53  | 1.54  | 1.53  | 43%        | 0%         |
| 16  | 1.5  | 1.6           | 0.1    | 0.1    | 1.4  | 1.54                  | 1.54  | 1.54  | 1.54  | 1.53  | 39%        | 0%         |
| 17  | 7.22 | 7.32          | 0.1    | 0.1    | 7.12 | 7.17                  | 7.20  | 7.22  | 7.16  | 7.18  | 0%         | 57%        |
| 18  | 6.07 | 6.17          | 0.1    | 0.1    | 5.97 | 6.01                  | 6.04  | 5.99  | 6.00  | 6.03  | 0%         | 76%        |
|     |      |               |        |        |      |                       |       |       |       |       |            |            |
|     |      |               |        |        |      |                       |       |       |       |       |            |            |
|     |      |               |        |        |      |                       |       |       |       |       |            |            |
|     |      |               |        |        |      |                       |       |       |       |       |            |            |
|     |      |               |        |        |      |                       |       |       |       |       |            |            |
|     |      |               |        |        |      |                       |       |       |       |       |            |            |
|     |      |               |        |        |      |                       |       |       |       |       |            |            |
|     |      |               |        |        |      |                       |       |       |       |       |            |            |
|     |      |               |        |        |      |                       |       |       |       |       |            |            |
|     |      |               |        |        |      |                       |       |       |       |       |            |            |
|     |      |               |        |        |      |                       |       |       |       |       |            |            |
|     |      |               |        |        |      |                       |       |       |       |       |            |            |

制表：宴武林

审核：樊彬

可靠性测试报告：

名称：昆山睿翔讯通通信技术有限公司  
上海分公司：上海市浦东新区祖冲之路 1500 号 12A  
电话：13671588892

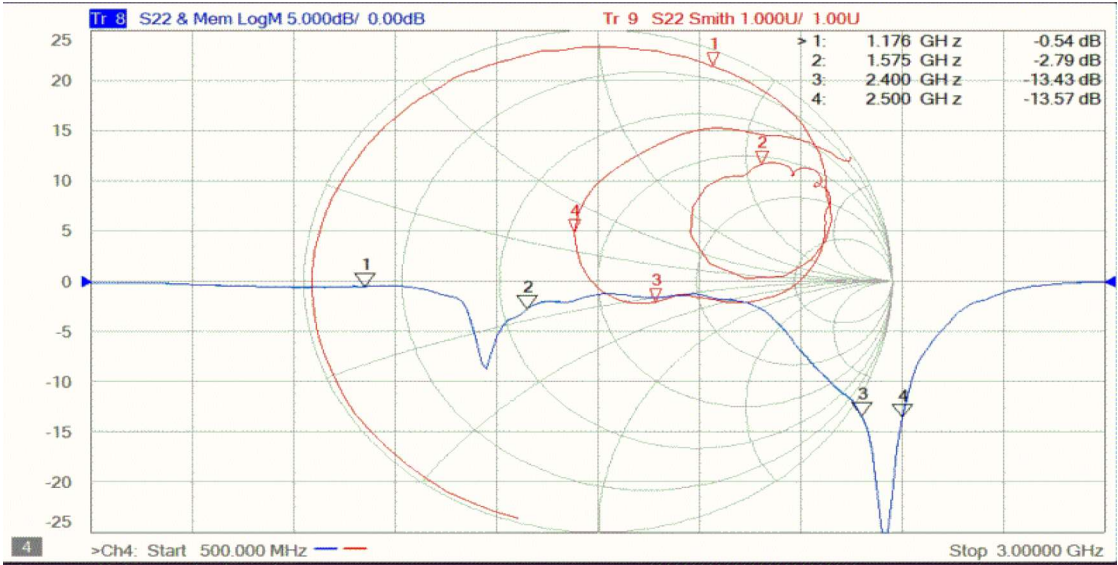
联系人：吴作平  
EMAIL: wuzuoping@innowave.cn

# Internal Antenna Product Specification

## Return Loss

| Fre (MHz) | Return loss (dB) |
|-----------|------------------|
| 2400      | -13.43           |
| 2500      | -13.57           |

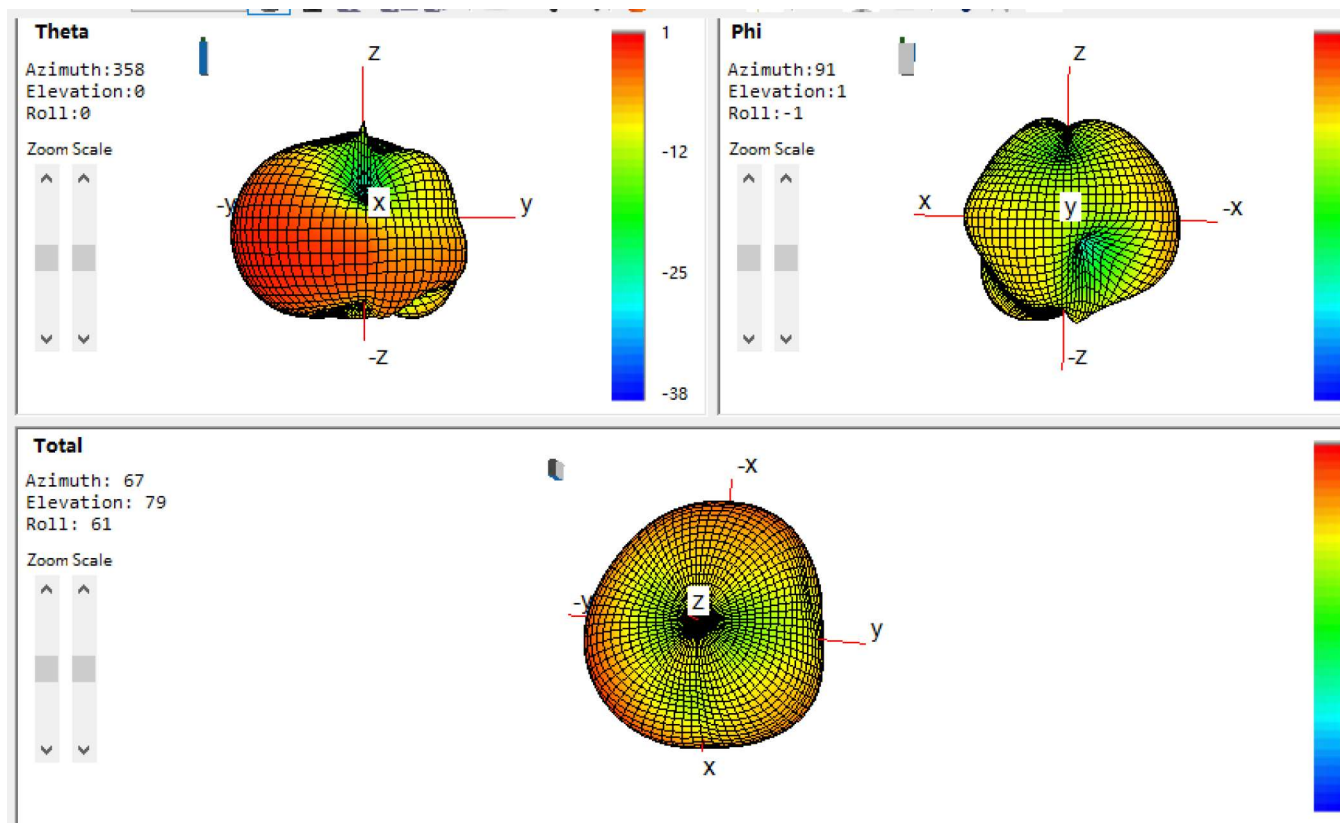
## S11



| Freq | Efficiency_dB | Gain  |
|------|---------------|-------|
| 2400 | -4.67         | -1.43 |
| 2410 | -4.73         | -1.36 |
| 2420 | -4.83         | -1.46 |
| 2430 | -4.35         | -1.62 |
| 2440 | -4.25         | -1.25 |
| 2450 | -4.36         | -1    |
| 2460 | -4.18         | -1.36 |
| 2470 | -4.27         | -1.27 |
| 2480 | -4.5          | -1.32 |
| 2490 | -4.36         | -1.55 |
| 2500 | -4.77         | -1.66 |

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## 3D Pattern



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出厂包装要求:

| 包装（Packing） |                 |       |                |
|-------------|-----------------|-------|----------------|
| 客户料号：       | HQ26004000010   | 产品名称： | SS6950B-蓝牙钢片天线 |
| 产品规格：       | F001D4906T70001 | 包装材料： | 纸箱             |
| 包装数量：       | 1箱              | 包装方式： | 卷包装料600pcs/包   |
| 装箱数量：       | 4200 pcs        |       |                |



图1：单件产品

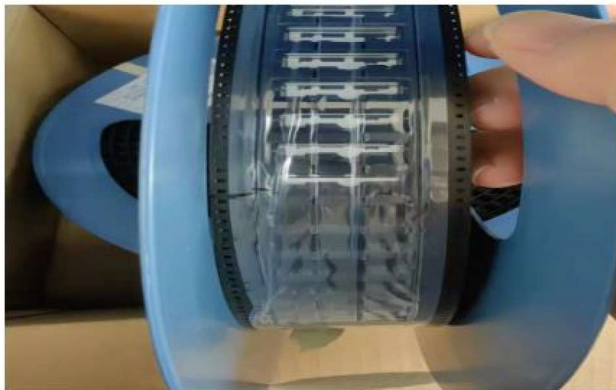


图2：装箱包装方式



图3：包装箱视图（正面、侧面、顶部）



图4：外箱标签

备注：

1. 采用封口袋包装、每卷600pcs、每箱4200PCS,

2. 以实际出货数量为准。

3. 存储环境15-25°，湿度55-65%.

4. 有效期为6个月.

拟制：何正宾

审核：任明武