



SPECIFICATION FOR APPROVAL/产品承认书

Customer Name

客户名称: 鼎合远传技术（北京）股份有限公司

Customer P/N.

客户料号: D5360000013001

Product Description

产品描述: D50 NFC天线

BGS P/N

博格斯料号: DHY-004C (RA版)

Manufacturer

制造商: 深圳市博格斯通信技术有限公司

Approve Date

承认日期: 2024年12月27日

| BGS Sign and Seal/供应商签章 | Customer Sign and Seal/客户签章 |
|-------------------------|-----------------------------|
|                         |                             |

| Change the content/变更内容 | Version/版本 | Date/日期    |
|-------------------------|------------|------------|
| First Release/初版        | RA         | 2024/12/27 |
|                         |            |            |
|                         |            |            |
|                         |            |            |

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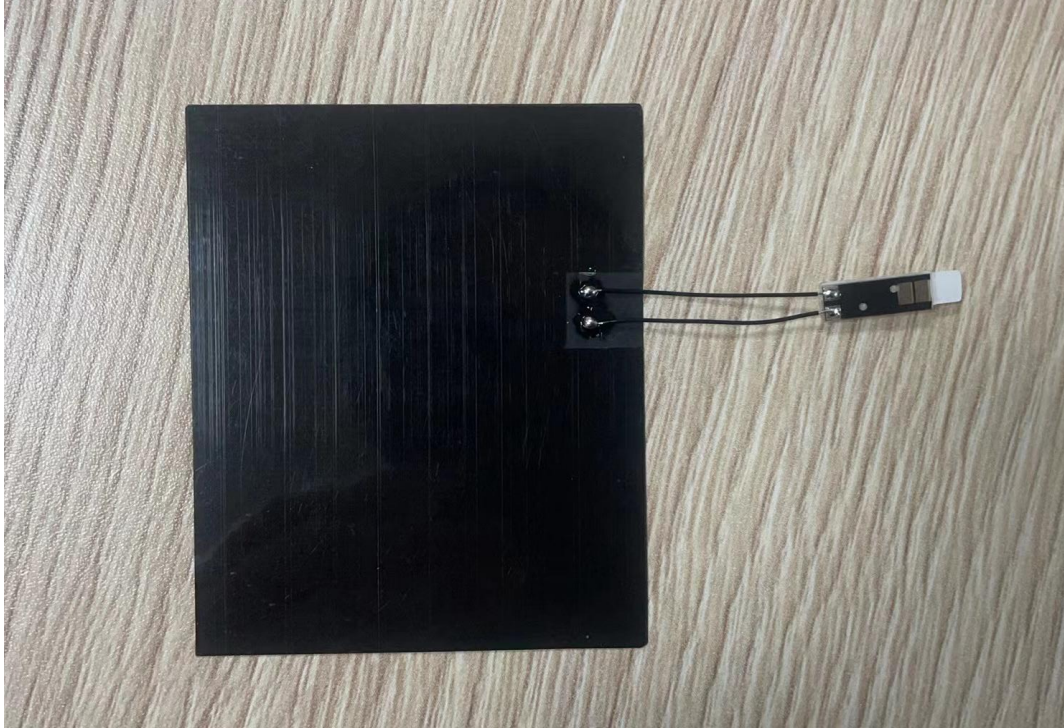
1.Antenna Specification/天线技术参数

|                                       |                             |
|---------------------------------------|-----------------------------|
| 1.1: Electrical Specification/电气特性    |                             |
| Freq.Range/频段范围（MHz）                  | 13.56                       |
| Directional/辐射方向                      | Omni directional            |
| Polarization/极化方式                     | Linear                      |
| Inductance value/电感值（μH）              | 1.1                         |
| 1.2: Mechanical Specification/机械指标    |                             |
| Material/材质                           | FPC+铁氧体+PCB                 |
| Cable Type/射频线型号                      | 10064 30AWG 7/0.10TS OD0.53 |
| Connector Type/连接器类型                  | N/A                         |
| 1.3: Environmental Specification/环境指标 |                             |
| Operation temp/工作温度                   | -40℃～+85℃                   |
| Storage temp/储存温度                     | +19℃～+23℃                   |



## 2.Antenna Picture/天线图片

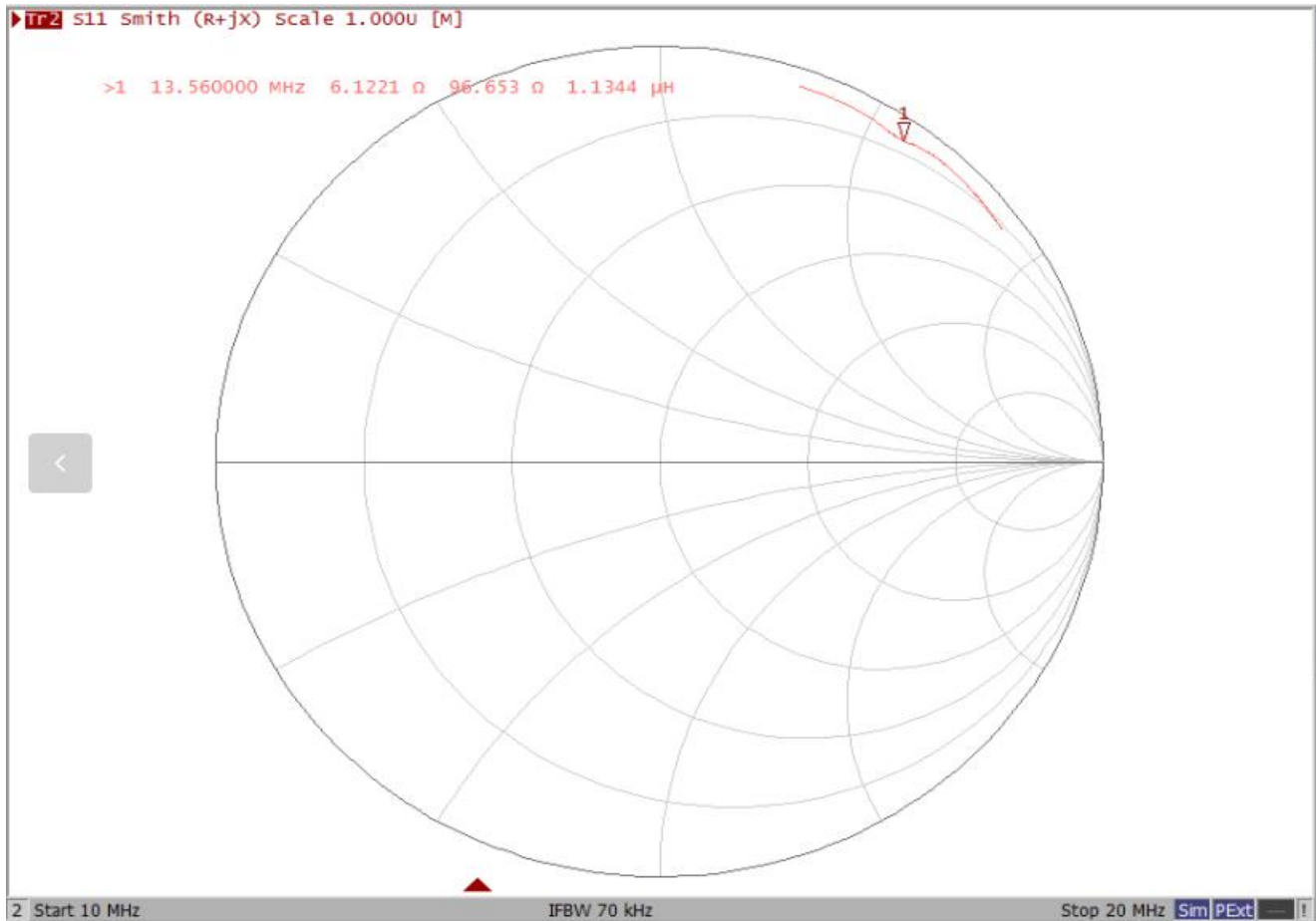
### 2.1: Antenna Picture/天线图片

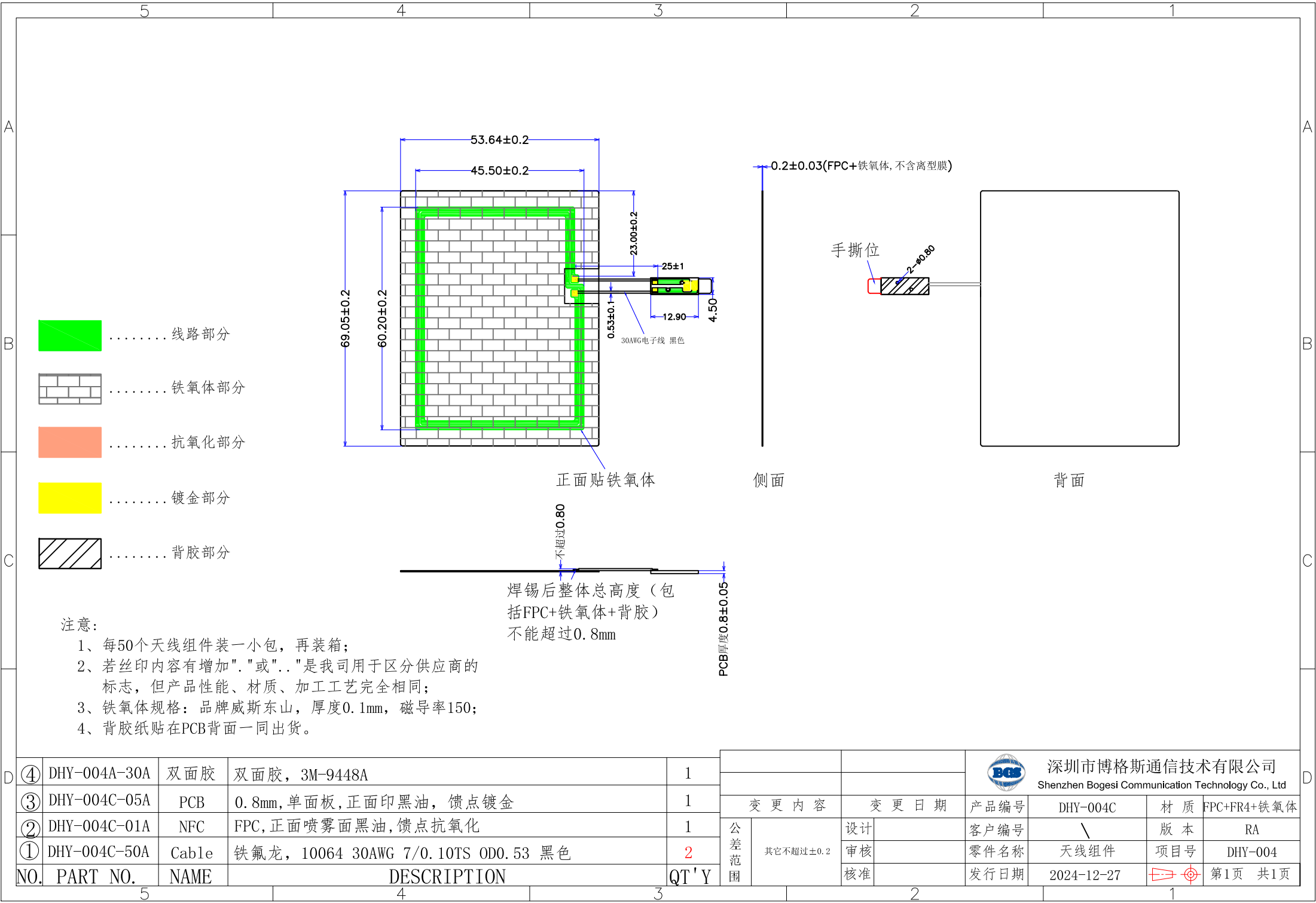


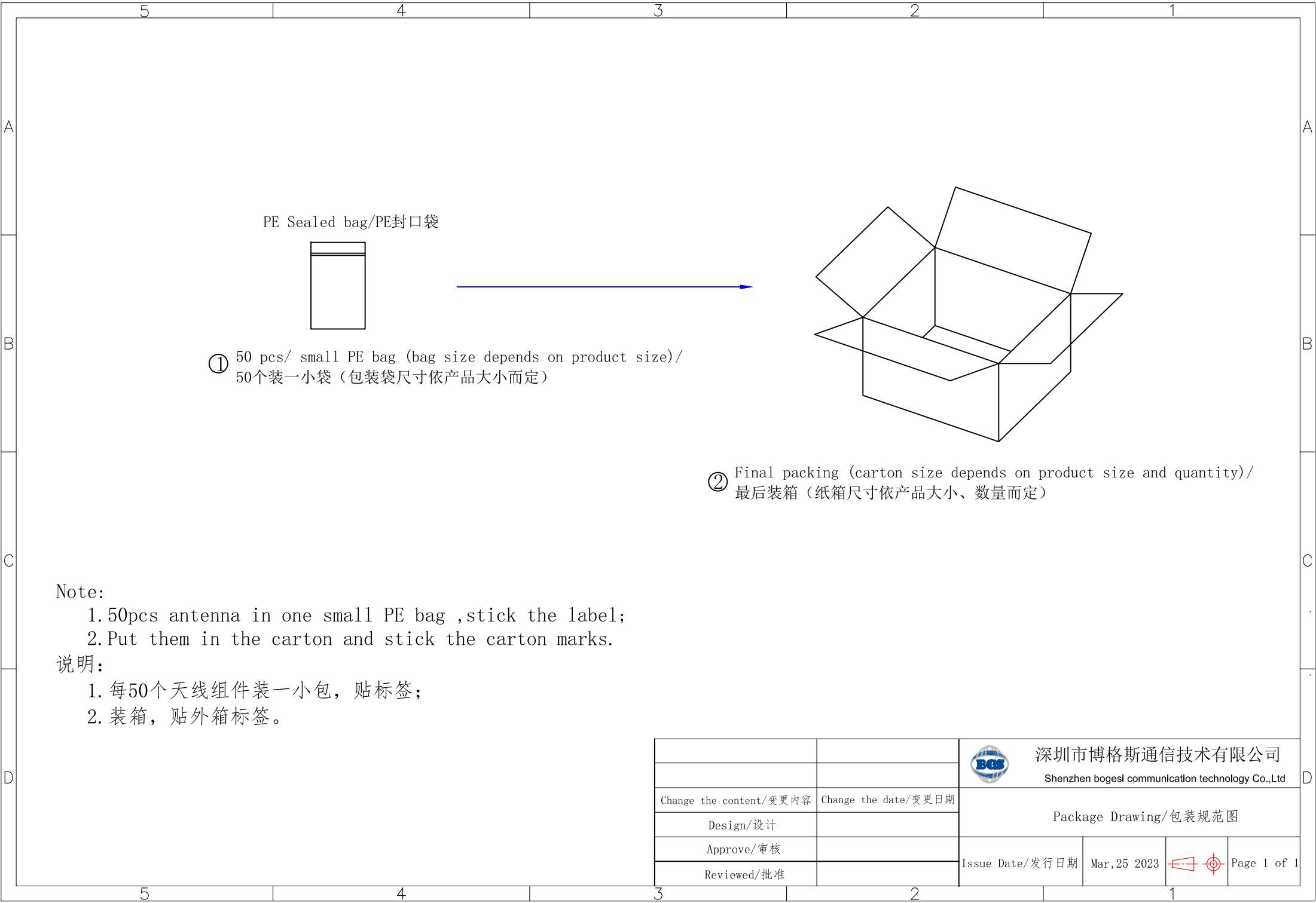


### 3.Test Report/测试报告

#### 3.2: Smith chart 史密斯图







PE Sealed bag/PE封口袋

① 50 pcs/ small PE bag (bag size depends on product size)/  
50个装一小袋（包装袋尺寸依产品大小而定）

② Final packing (carton size depends on product size and quantity)/  
最后装箱（纸箱尺寸依产品大小、数量而定）

- Note:
- 1.50pcs antenna in one small PE bag ,stick the label;
  - 2.Put them in the carton and stick the carton marks.
- 说明:
- 1. 每50个天线组件装一小包，贴标签；
  - 2. 装箱，贴外箱标签。

|                         |                      |                                                                                                                                                                             |             |                                                                                       |             |
|-------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------------------------------------------------------------------------------------|-------------|
|                         |                      | <div> 深圳市博格斯通信技术有限公司</div> <div>Shenzhen bogesi communication technology Co.,Ltd</div> |             |                                                                                       |             |
| Change the content/变更内容 | Change the date/变更日期 | Package Drawing/包装规范图                                                                                                                                                       |             |                                                                                       |             |
| Design/设计               |                      |                                                                                                                                                                             |             |                                                                                       |             |
| Approve/审核              |                      | Issue Date/发行日期                                                                                                                                                             | Mar,25 2023 |  | Page 1 of 1 |
| Reviewed/批准             |                      |                                                                                                                                                                             |             |                                                                                       |             |



6.ROHS Report/ROHS报告

| Product Description<br>产品描述 |                   | NFC天线                                                          | BGS P/N<br>博格斯料号                                                                                              |    | DHY-004C |      |     | Declaration Date<br>宣告日期 |                                | 2024/12/27        |
|-----------------------------|-------------------|----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|----|----------|------|-----|--------------------------|--------------------------------|-------------------|
| No.<br>序号                   | Part name<br>部件名称 | Homogeneous Material Name<br>均质材料名称                            | The homogeneous material contains the value of<br>RoHS restricted substance (ppm)<br>均质物料内含有RoHS限制物质的量值 (ppm) |    |          |      |     |                          | Certification number<br>检测报告编号 | Test date<br>检测日期 |
|                             |                   |                                                                | Cd                                                                                                            | Pb | Hg       | Cr+6 | PBB | PBDE                     |                                |                   |
| 1                           | FPC               | Electrolytic flexible copper-clad foil<br>substrate<br>有胶柔性覆铜板 | ND                                                                                                            | ND | ND       | ND   | ND  | ND                       | SHAEC24000428806               | 2024/1/12         |
| 2                           |                   | Solder resist ink/阻焊油墨                                         | ND                                                                                                            | ND | ND       | ND   | ND  | ND                       | ETR23202417A02                 | 2024/2/26         |
| 3                           | 铁氧体               | 铁氧体                                                            | ND                                                                                                            | ND | ND       | ND   | ND  | ND                       | A2240023150101001E             | 2024/1/15         |
| 4                           | PCB               | FR4                                                            | ND                                                                                                            | 17 | ND       | ND   | ND  | ND                       | CANE23010851118                | 2023/10/11        |
| 5                           |                   | Solder resist ink/阻焊油墨                                         | ND                                                                                                            | ND | ND       | ND   | ND  | ND                       | C240226055001-1                | 2024/2/29         |
| 6                           |                   | Text ink/文字油墨                                                  | ND                                                                                                            | ND | ND       | ND   | ND  | ND                       | C240226055002-1                | 2024/2/29         |
| 7                           | Wire<br>线材        | RF coaxial cable/RF同轴电缆                                        | ND                                                                                                            | ND | ND       | ND   | ND  | ND                       | SZxec24002490603               | 2024/8/8          |

Notes:

Material analysis expansion table is similar to our company's machine type BOM, which describes the composition of each material provided by the supplier, and then conducts RoHS control on each component (or the supplier shall conduct RoHS compliance management on his supplier, and provide tripartite inspection certificate).

A complete material analysis expansion table that includes:

1. Material expansion table: component composition decomposition
2. Third-party verification report of each component

说明:

材质分析展开表类似于我们公司的机种BOM，就供应商提供的每个物料进行组成说明，然后就每一种组成进行ROHS控制（或者说供应商要对他的供应商进行ROHS符合性管理，提供每三方检测证明）。

一份完整的材质分析展开表，它包括:

- 1 材质展开表:零件组成分解
- 2 各组成的第三方验证报告