



SPECIFICATION FOR APPROVAL/产品承认书

Customer Name

客户名称:

Customer P/N.

客户料号:

101120001225

Product Description

产品描述:

R102L_WIFI_ANT_V1 2.4+5.8G WIFI Antenna

BGS P/N

博格斯料号:

BGS-001C (ver.RA)

Manufacturer

制造商:

Shenzhen bogesi communication technology co.,ltd

Approve Date

承认日期:

Aug 19,2025

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
初版	RA	2025/8/19

Note: 1. After the electronic file or paper file that has been stamped by BGS and was provided to the customer,, the customer need to sign the paper or electronic file of the approval back to BGS before place the formal order to BGS. If there is no formal change or change notice, BGS acqu iesce that the customer approvel and accept this specification of product .

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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）	2400-2500;5150-5850
Impedance/ 阻抗（Ω）	50
VSWR/ 驻波比	≤3.5
Directional/ 辐射方向	Omni directional
Polarization/ 极化方式	Linear
Gain/ 增益（dBi）	2
1.2: Mechanical Specification/ 机械指标	
Material/ 材质	CU/TPE/ABS+PC
RF Cable Type/ 射频线型号	RG-137
Connector Type/ 连接器类型	SMA-J
1.3: Environmental Specification/ 环境指标	
Operation temp/ 工作温度	-40℃～+65℃
storage temperature/ 储存温度	-40℃～+85℃



2.Antenna Picture/天线图片

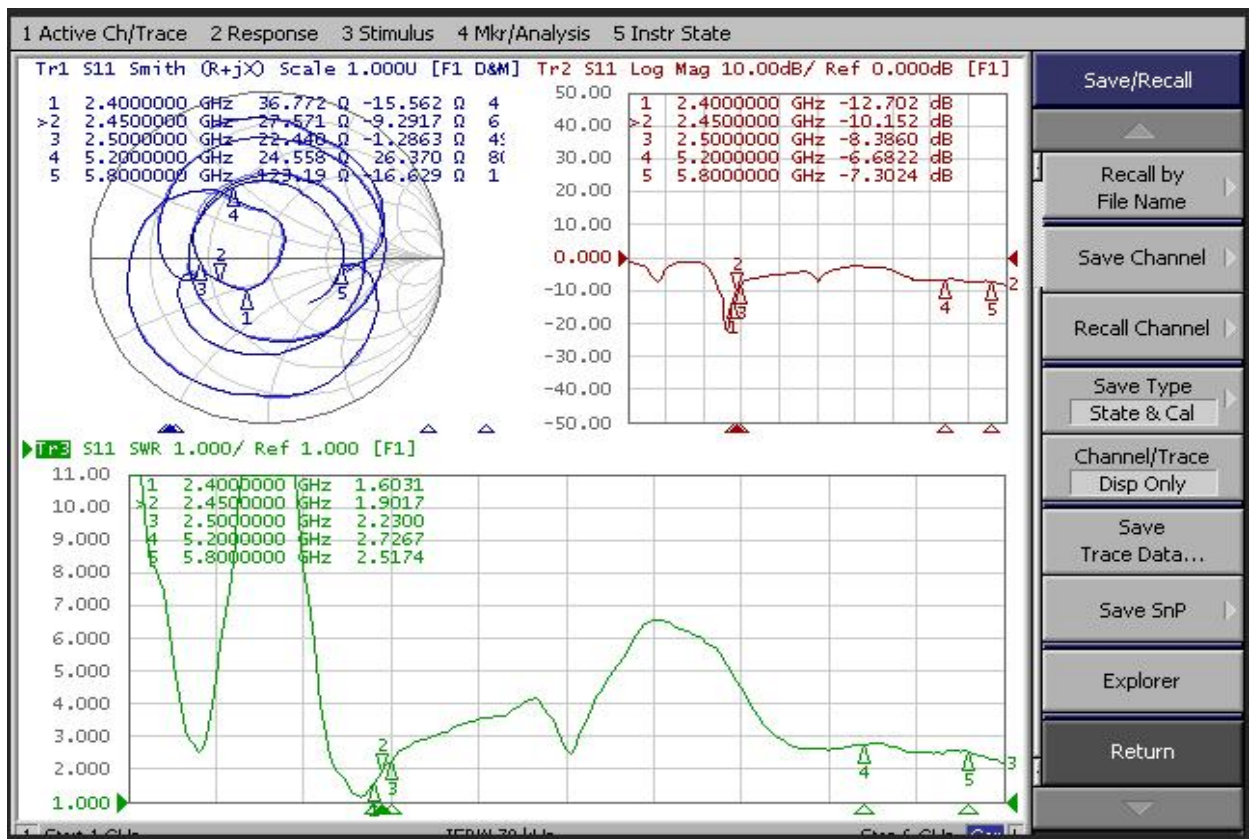
2.1: Antenna Picture/天线图片

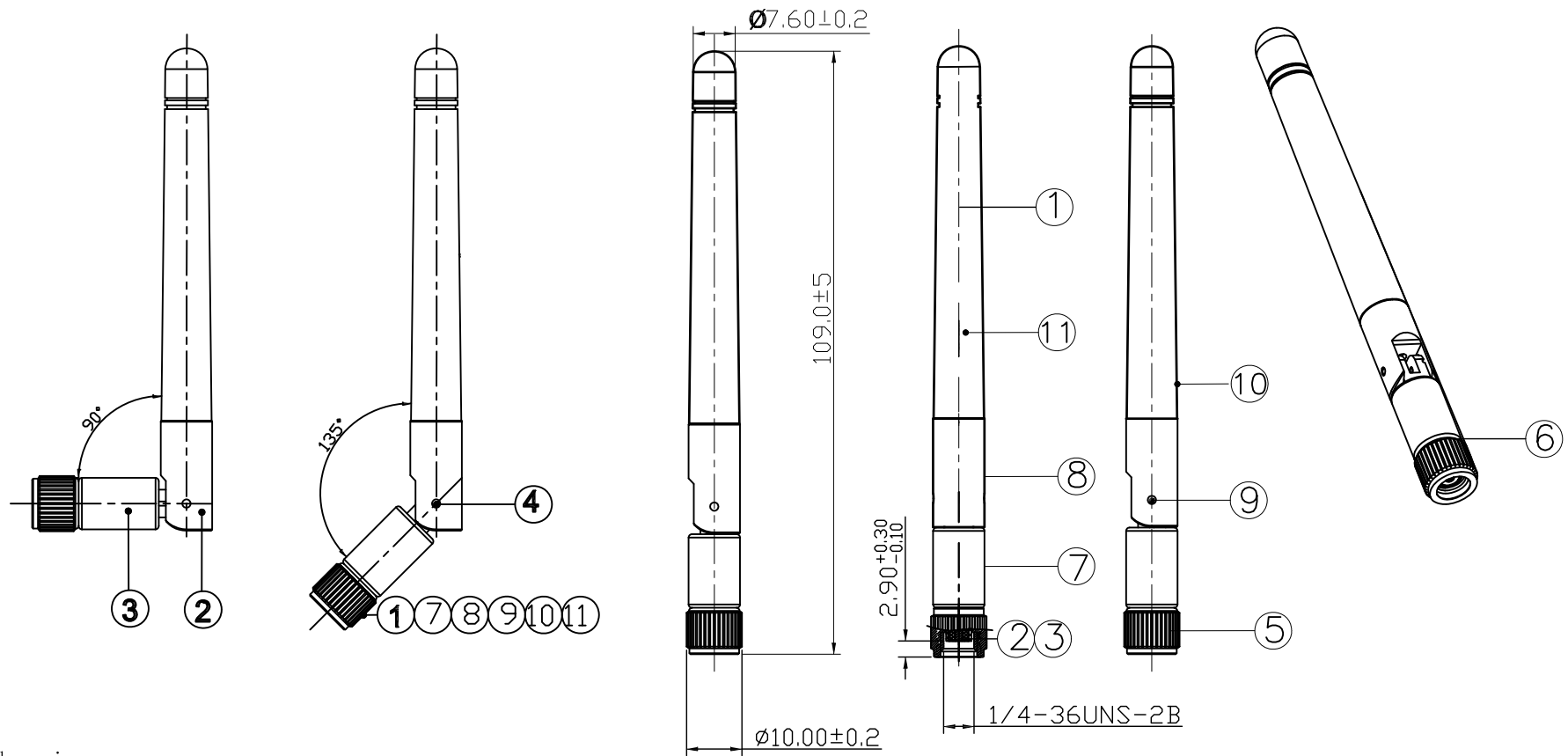




3.Test Report/测试报告

3.1: Return loss 回波损耗/Smith chart史密斯图/VSWR 驻波图



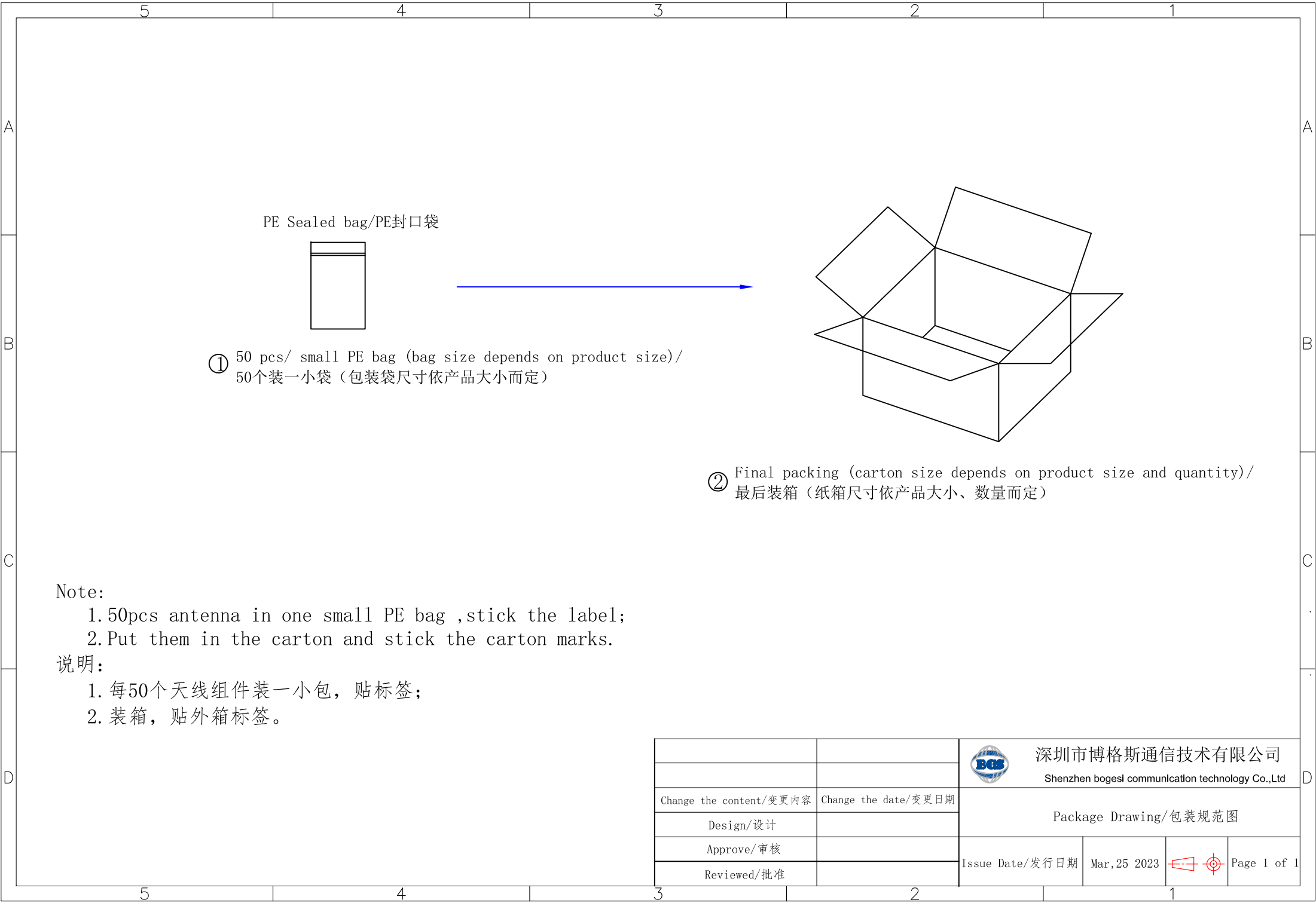


Remark:

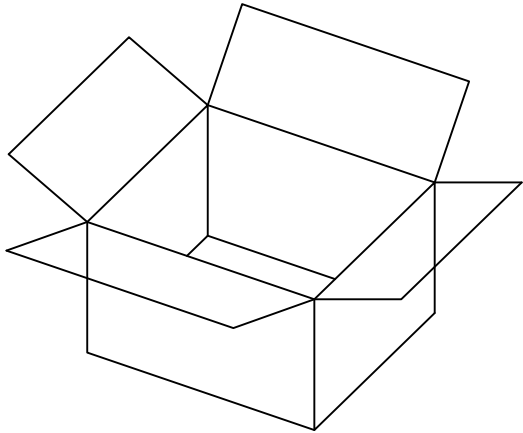
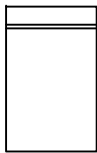
1. Mark "*" as the key size;
2. Please refer to standard tolerance for unmarked tolerance range;
3. $SWR \leq 2.0$.

11	Antenna brass	Brass, tin ϕ 4.4*27.5MM	ZL-AN4427516	1
10	Rod set	TPEE, black ϕ 9.4*67MM	ZL-AN5701-03B	1
9	A shaft	POM, black ϕ 1.7*3.8MM	ZL-AN01-1215PB-1	2
8	On the fixed seat	ABS, black ϕ 9.4*30.5MM	ZL-AN5704-01B	1
7	Under the fixed seat	ABS, black ϕ 9.35*24.7MM	ZL-AN57-12B-1	1
6	aprons	The silicone ϕ 6*25MM	ZL-SMA-RU-700	1
5	Rotator cuff	C3604, Nickel plated, black ϕ 10*8.9MM	ZL-SMA-MC-915BN	1
4	ontology	Brass, nickel plated ϕ 4.5*14.6MM	ZL-SMA-MB-47146N	1
3	insulators	PTFE, ϕ 3.6*7.2MM, white	ZL-SMA-PT-3672	1
2	SMA-J	Orichalum plating	ZL-SMA-MP-C945G	1
1	wire	RG137 wire	HTC137-006	1
NO	PARTNAME	DESCRIPTION	PART NO.	Q.TY

						博格斯通信技术有限公司	
				Bogesi Organism Magnet Industry Co.,Ltd			
Modify content		Modify date		Product NO.	BGS-001C	Material is qualitative	Cable
limits of tolerance:	Designer			Client NO.	/	Version of this	RA
Others less than±0.2	Auditing			Part name	2.4+5.8G WIFI Antenna	Item no.	BGS-001
	Approve			Publish date	Apr, 28, 2019		Page 1/1



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。

		 深圳市博格斯通信技术有限公司 Shenzhen bogesi communication technology Co.,Ltd			
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 产品描述		2.4+5.8G WIFI Antenna	BGS P/N 博格斯料号		BGS-001C			Declaration Date 宣告日期		2019/4/28	
No. 序号	Part name 部件名称	Homogeneous Material Name 均质材料名称	The homogeneous material contains the value of RoHS restricted substance (ppm) 均质物料内含有RoHS限制物质的量值 (ppm)						Certification number 检测报告编号	Test date 检测日期	
			Cd	Pb	Hg	Cr+6	PBB	PBDE			
1	rod sleeve	ABS	ND	ND	ND	ND	ND	ND	0238100012a 001	2019/1/10	
2		TPEE	ND	ND	ND	ND	ND	ND	SZxec1801073601	2018/7/13	
3		pastel	ND	ND	ND	ND	ND	ND	A2180023788101001	2019/4/29	
4	connect	National standard brass	13	27569	ND	ND	ND	ND	CANEC1808007405	2018/5/4	
5		silicone rubber	ND	ND	ND	ND	ND	ND	SHAEC1900218806 A01	2019/1/9	
6		gilding	ND	ND	ND	ND	ND	ND	A2180141757101002	2018/8/14	
7		nickel plating	ND	ND	ND	ND	ND	ND	A2180141757101001	2018/8/14	
8		PTFE TUBE	ND	5	ND	ND	ND	ND	CANEC1824757301	2018/12/7	
9	wire	RG coaxial cable	ND	21	ND	ND	ND	ND	CANEC1808007405	2018/5/4	
10	solder wire	Environmental tin wire	ND	23	ND	ND	ND	ND	CANEC1820662701	2018/10/16	
11	brass	BRASS STRIPS	ND	45	ND	ND	ND	ND	SHAEC1828714607	2019/1/2	

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