

# 杭州思立普科技有限公司

Hangzhou SLEEPON Technology Co., Ltd

## 天线测试报告

### Antenna Test Report

供应商  
Supplier

浙江海通通讯电子股份有限公司  
Zhejiang Haitong communications electronic Limited by Share Ltd.

项目名称  
Project Name

HT1831-nfc\_poller\_ant-成品

产品名称  
Part Name

136-TX天线, HT1831-NFC

海通料号  
Mold code

B.1.09.L.0018

客户料号  
Part Number

S-M04-0030

规 格  
Specification

136-TX天线, HT1831-NFC

样品类型  
Sample type

临时样

送样日期  
Issue Date

2024.05.21

制作: 赵树福

审核: 杨章茂

批准: 王健

结论conclusion:



认可, 样品有效期: \_\_\_\_\_至\_\_\_\_\_.  
Approval, sample validity period: \_\_\_\_ until \_\_\_\_

notes:

项目经理 (Project Engineer) : \_\_\_\_\_

品质工程师 (Quality Engineer) : \_\_\_\_\_

项目经理 (project manager) : \_\_\_\_\_

MD 工程师 MD Engineer: \_\_\_\_\_

SQE 工程师 SQE Engineer: \_\_\_\_\_

分发单位  
(Distribution)

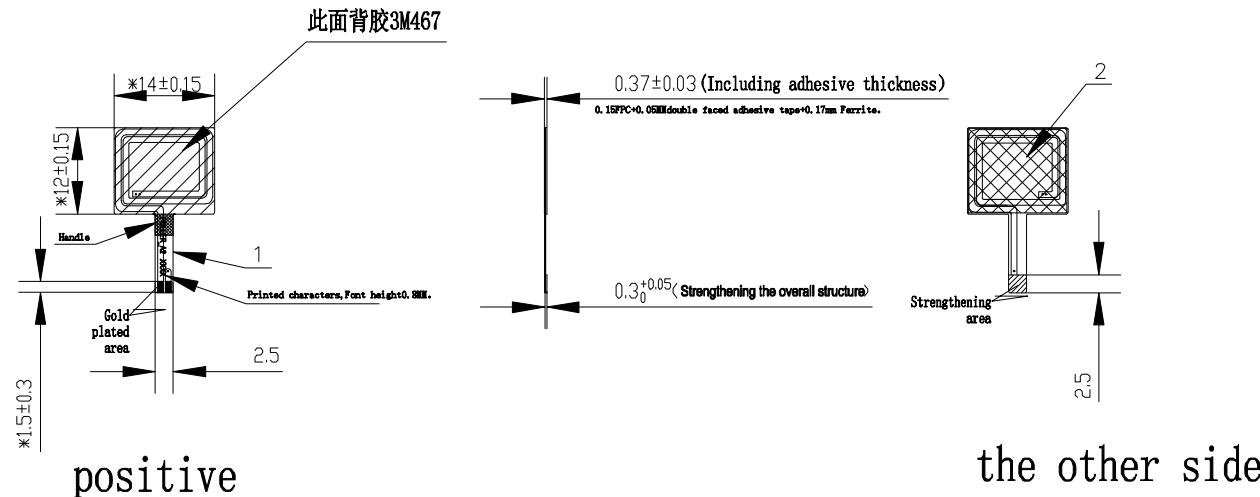
\_\_\_\_\_

IQC  
\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

1	2	3	4	5	6
HF	RoHS	LAB <input checked="" type="checkbox"/> QE <input type="checkbox"/> OQC <input checked="" type="checkbox"/> IPQC <input checked="" type="checkbox"/> IQC <input type="checkbox"/> 注塑 <input type="checkbox"/> 冲压 <input type="checkbox"/> 组装 <input checked="" type="checkbox"/>	NO.	DESCRIPTION	DESIGE DATE
A		A	A	ZCX	2023.05.15
B		B			
C		C			
D		D			
E		E			
F		F			



#### Printing character description:

- The content "XXXX" represents the production date (year/week, such as 1601)

#### Note:

- FPC: Conventional material 50/12.5 electrolytic copper, material PI, non adhesive substrate. The green line in the figure represents the outline of the copper layer, and the purple line represents the shape
- Tolerance requirements not specified: A. Copper foil to copper foil +/-0.05 B. Copper foil to outer shape +/-0.15 (special requirements) If necessary, achieve a tolerance of +/-0.10 C. The tolerance from the hole to the shape should be +/-0.15 (if there are special requirements, achieve +/-0.10)
- Dimensional tolerance of aperture +/-0.05 E. Solder mask tolerance +/-0.30 F. Shape to shape +/-0.15 (special requirements) If requested, achieve a tolerance of +/-0.1) G. Distance tolerance between punched holes +/-0.1 H. Hole to copper foil +/-0.15
- Nickel plated gold: NI: 2-7um AU: not less than 0.03um (salt spray must pass 48H), ink: black
- The backing adhesive of this FPC is 3M467
- Ferrite T=170um (magnetic permeability 130u-150u, low loss. Single sided adhesive 3M467)
- The surface is free of pressure damage, scratches, oil stains, spots, blackening and other defects;
- First batch of mold samples: Randomly select 5pcs for full-size measurement, and the report and samples need to be forwarded to the HT Quality Department;
- Size requirements:
  - ST size: Measure the size of any 35 products selected from a minimum quantity of 500 for cpk analysis;
  - \* Focus on controlling the size as the key;
  - Any modifications to the materials must be approved in writing by the HT engineering department and undergo various tests by the HT quality department;
- The product must comply with ROHS/HF/REACH standards;
- Electrical requirements: 13.56Mhz, LS: 580NH ± 25%

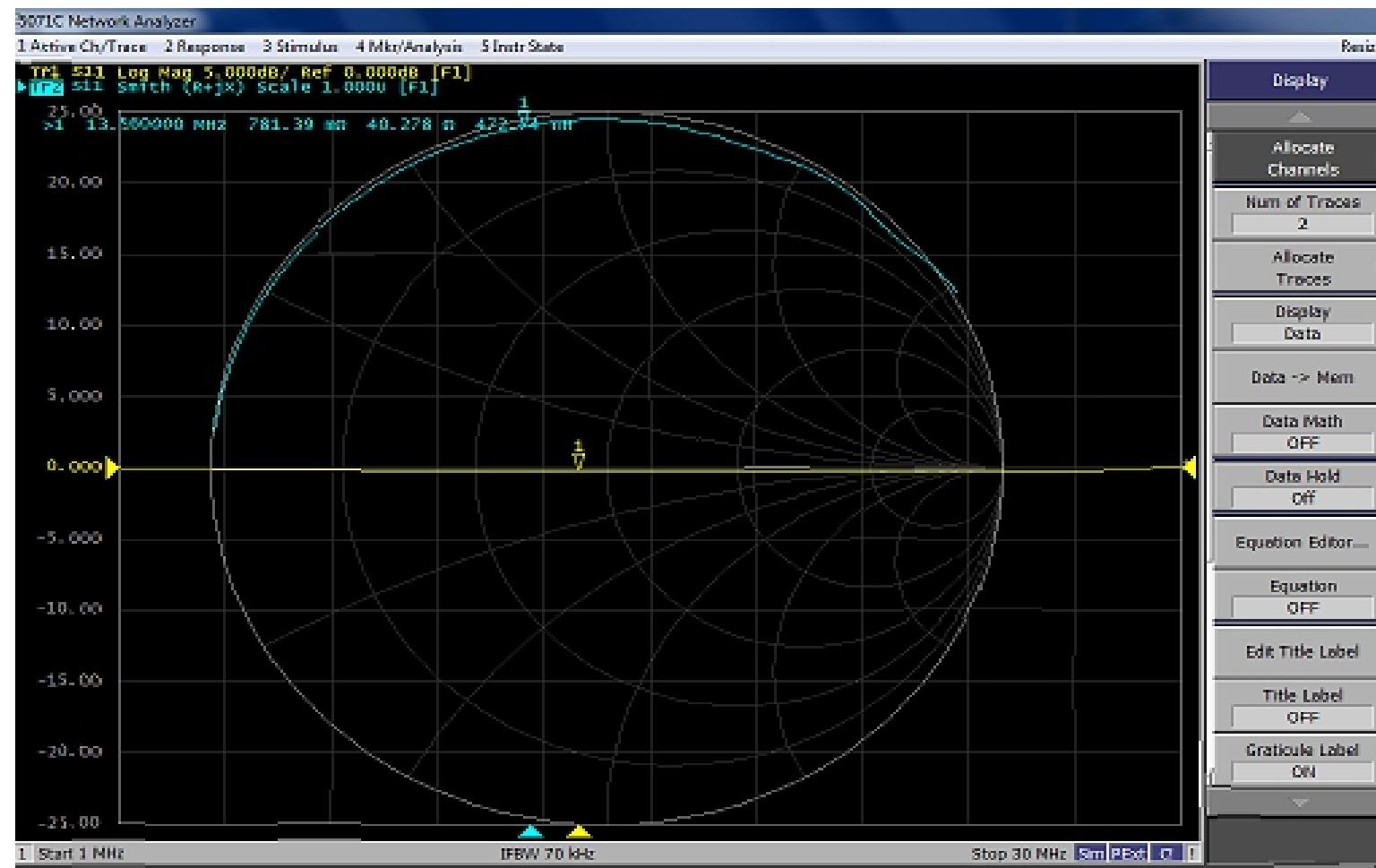
#### NO TOLERANCE NOTED

ONE PLSC	X. X	±0.15
TWO PLACE	X. XX	±0.10
ANGULAR DIM	X. °	±1.0°
HOLE DIA	X. X	±0.10

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APPD:		HT成品码:	B.1.09.L.0018
CHKD:		HT半成品码:	
DWN:		客户编码:	111216AAAAA1
SCALE:	1:1	PAGE:	1/1
UNIT:	mm	SIZE:	A4
REV:	A	DRWING NO:	

## Electrical parameters



Tx coil/working frequency: 13.56MHz/1v LS:580nH±25%