Runicc
ShenzhenRuniccWirelessTechnologyCo.,Ltd
Second Floor of Quanhan Creative Park, lane1, Weiyuan New village,
Gushu,Xixiang Street,Bao'an District,Shenzhen,China,518101
Tell : 0086 0755 27218716 Phone：+15999527926

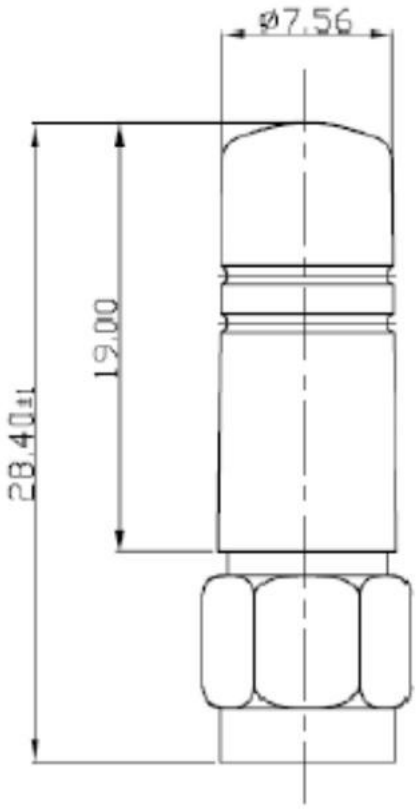
Product Name 2.4Ghz Rod antenna
Model No. 6201ANT
Note:2.4Ghz-2.5Ghz,3dBi gain,RPSMA male Connector,ROHS,CE

## 1.PRODUCT TECHNICAL SPECIFICATION

| | |
|---|---|
| **Electrical Specifications** | |
| Centre Frequency | 2.4Ghz-2.5Ghz |
| Gain | 3dBi |
| VSWR | ≤1.5 |
| Input Impedance | 50Ω |
| Polarization | Vertical |
| Max Input Power (W) | 50 |
| **Mechanical Specifications** | |
| Working Temperature | -40°C~ + 85°C |
| Connector Type | RPSMA male（FME/BNC/MCX/MMCX and so on） |
| Size | 28±2mm |
| Antenna Cover Material | ABS |
| Color | Black |

## 2.PRODUCT PICTURE

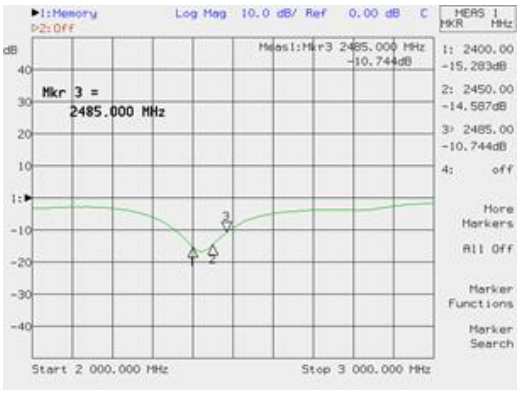
## 3.PRODUCT TECHNICAL SPECIFICATION

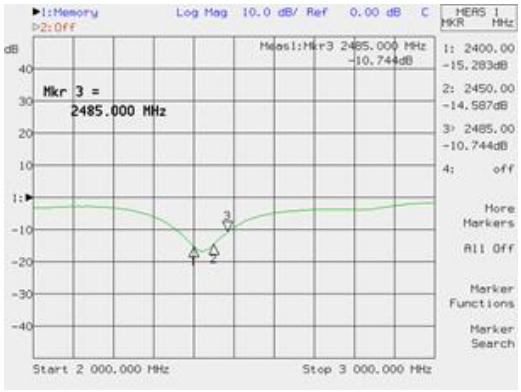


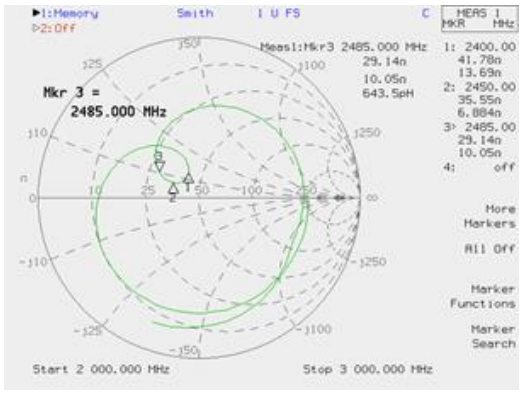
## 4.ELECTRIC APPLIANCE CHARACTERISTICS

| ITEM | | TEST CONDITION | SPECIFICATION |
|---|---|---|---|
| 1 | Return Loss | Using Agilent Network Analyzer 8753ES to Measure Antenna S11 Return Loss Characteristics. | |
| 2 | VSWR | Using Agilent Network Analyzer 8753ES to Measure Antenna S11 VSWR Characteristics. | |
| 3 | Smith chart | Using Agilent Network Analyzer 8753ES to Measure Antenna S11 Gain Response Characteristics. | |
| 4 | Gain response | Using Agilent Network Analyzer 8753ES to Measure Antenna S21 Gain Response Characteristics. | |

## 5.Testing Report

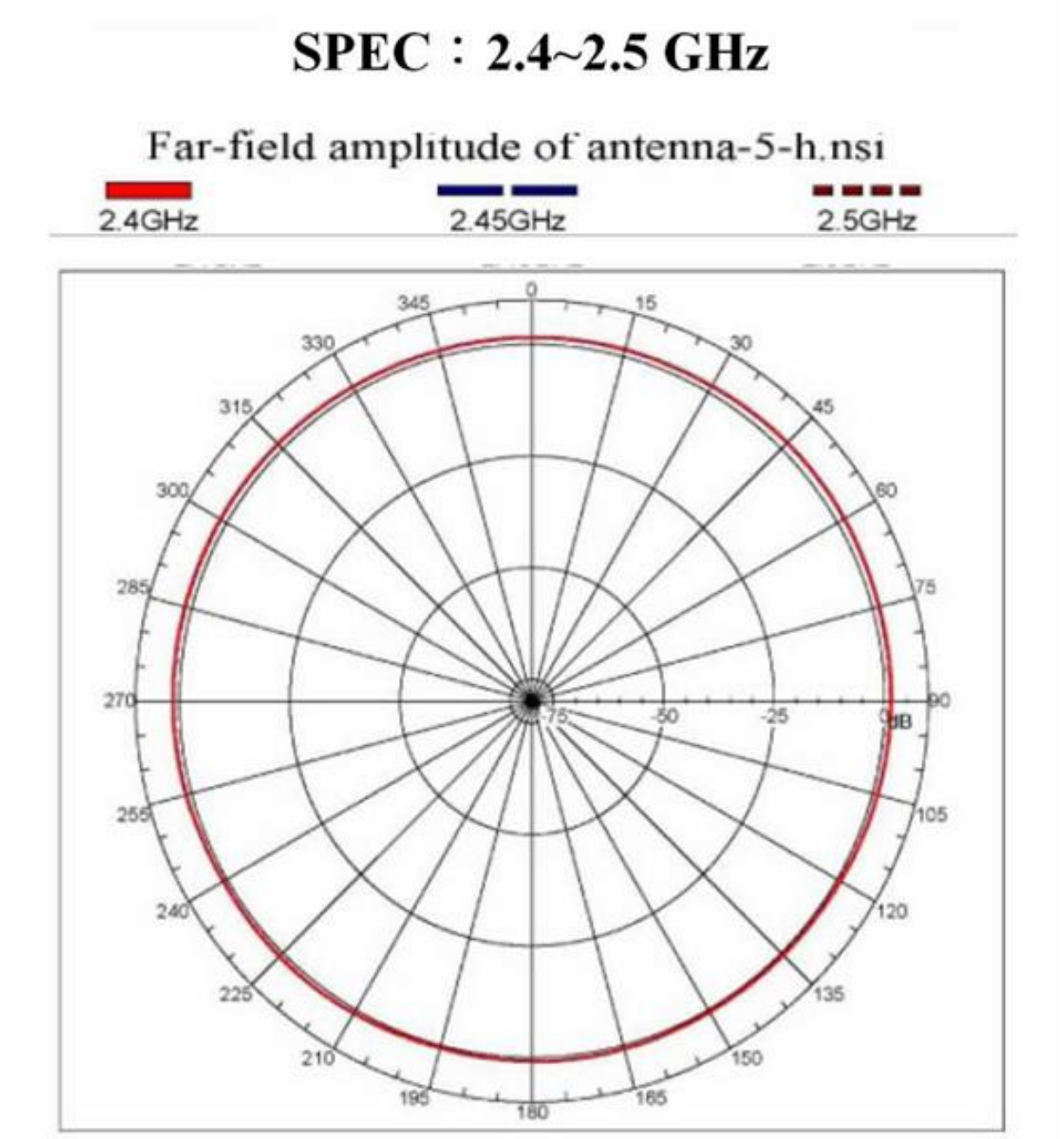


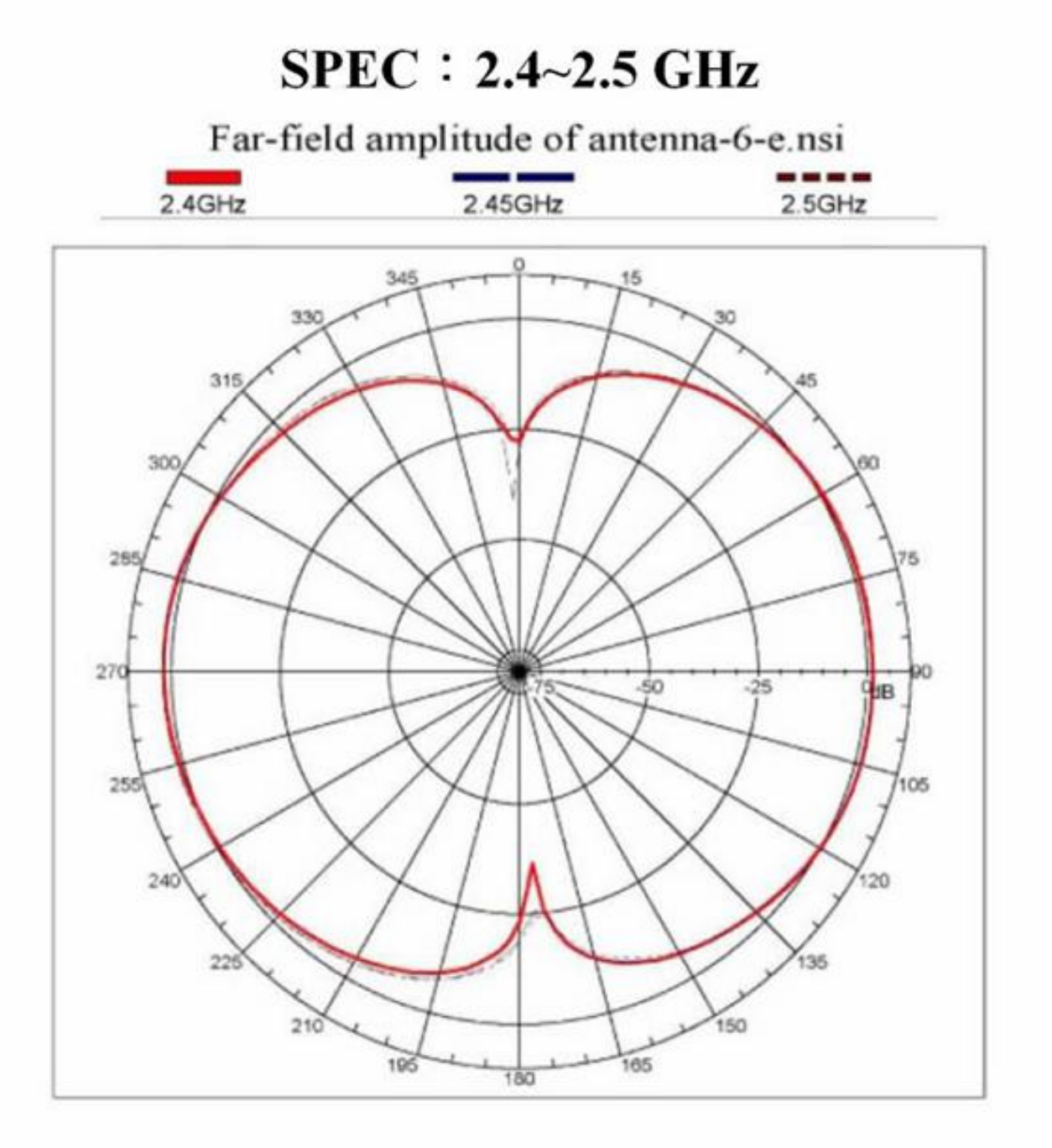



**Pattern**

H-plane



E-PLANE


SPEC：2.4~2.5 GHz
Far-field amplitude of antenna-6-e.nsi
2.4GHz
2.45GHz
2.5GHz
0
15
30
45
60
75
90
105
120
135
150
165
180
195
210
225
240
255
270
285
300
315
330
345
-75
-50
-25
0dB

# 规 格 承 认 书
# SPECIFICATION FOR APPROVAL

编 号： 2021042801
File No.

版 本： 1.0
Revision

客 戶
CUSTOMER: Iton Technology Corp., Ltd

客 戶 料 号
CUSTOMER NO:

品 名 **SMA JACK L=300MM**
PART NAME: 6100CBL

供 方 料 号 **SL180P.100007.P01**
SUPPLIER NO:

送样日期 Date: 送样数量 Q'TY: PCS

| 客户确认 **CUSTOMER APPROVED BY** | | |
|---|---|---|
| APPROVAL | CHIEF | SUPERVISOR |
| | | |

| 供方确认 **SUPPLIER SIGNATURE** | | |
|---|---|---|
| APPROVAL | CHECK | DESIGN |
| **sunny** | **ZouJie** | **LuoYi** |

SH-RD-F04-A

add：东莞市大朗镇佛新聚祥二路24 号 电话：0769-82226176 传真：0769-82226175

# 承认书项目表

| NO. | 内 容<br>（Contents） | 页 数<br>（Number of Page） | 页 码<br>（Page 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 | 电性测试报告（Test Reports ） | 1 | 4 |
| 5 | S参数测试 （S Parameter ） | 1 | 5 |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | - | - | - |
| 11 | - | - | - |
| 12 | - | - | - |

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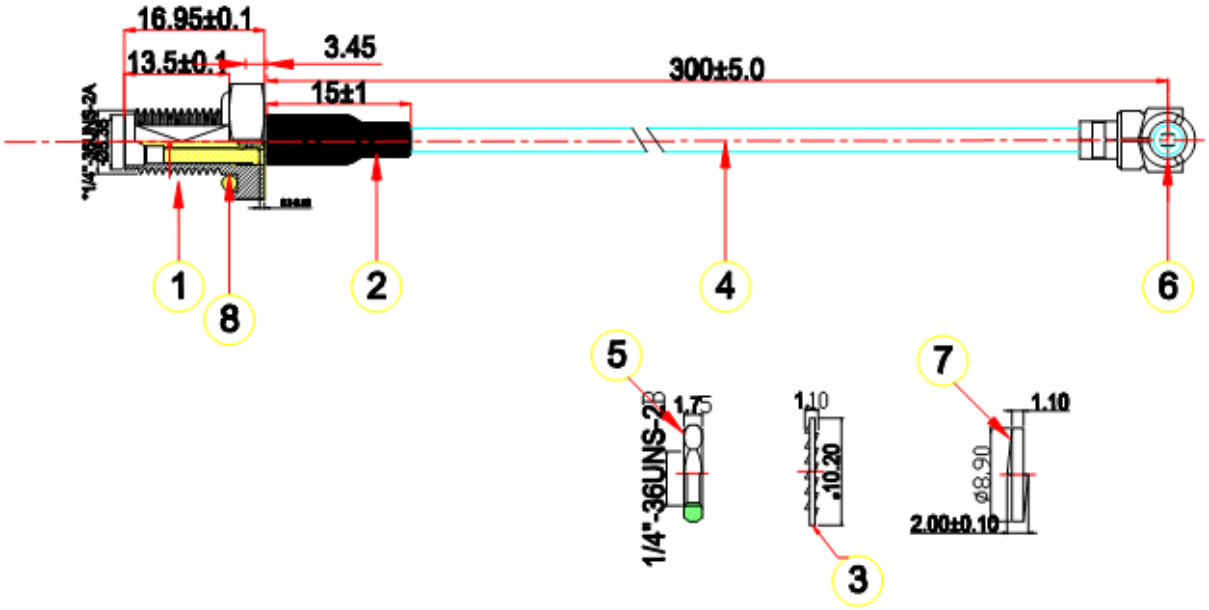
| REV. | CONTENT | DATE |
|---|---|---|
| A | 首次发行 | 2021.04.28 |
| | | |




| NO | PART NAME | DESCRIPTION | Q.TY |
|---|---|---|---|
| 8 | 硅胶圈 | 黑色 | |
| 7 | 缺口垫片 | Brass T=1.20mm | 1 |
| 6 | MHF一代 | O.D.1.13专用 | 1 |
| 5 | NUT | Brass | 1 |
| 4 | Coaxial Cable | O.D. 1.13mm black | 1 |
| 3 | Washer | Brass T=0.5mm | 1 |
| 2 | Hot Shrink Tube | L15.0mm/Ø2.5mm | 1 |
| 1 | SMA 母头公针 | Au Plated | 1 |

东莞市松汇实业有限公司
Dongguan SongHui Co.,Ltd.

| | | | | |
|---|---|---|---|---|
| CUSTOMER | | | | |
| PART NO | | | | |
| TITLE | RF Cable L=300mm | | | |
| S.H P/NO | SL180P.100007.P01 | | | |
| TOLERANCE UNLESS OTHERWISE SPECIFIED | SIZE | DRAWED | CHECKED | APPROVED |
| UNIT:mm | ANGLES ±0.5° | A4 | LUOYI | ZOUJIE |
| SHEET: 1/1 | X.XX ±0.05 | | | |
| SCALE: 1/1 | X.X ±0.1 | DATE:2021-04-28 | | |

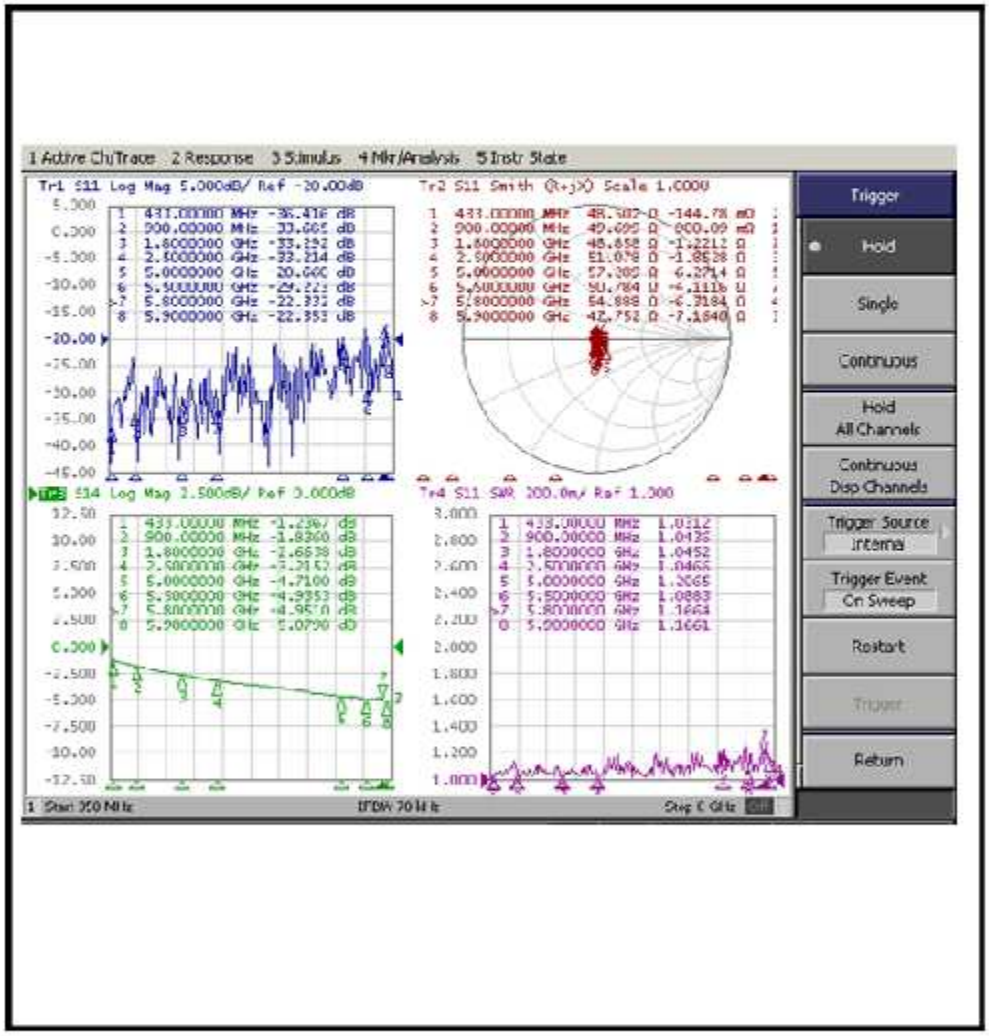
add：东莞市大朗镇佛新聚祥二路24 号 电话：0769-82226176 传真：0769-82226175

# 电 性 测 试 报 告
# Test Reports

| Electrical Properties | |
|---|---|
| Frequency | DC-6GHz |
| Impedance | 50 0hm Nominal |
| V.S.W.R | 1.5 : 1 Max |
| Return Loss | -13 dB Max |
| Working Voitage (depending on cabie type) | 170V/50Hz |
| Lnsulation Resistance | 1000M ohm |
| Cable Loss | 2.0dB / m Max @ 900 MHz |
| ContactResistance | Center Contact:10M ohm<br>Outer Contact: 5M ohm |
| Admitted Power | 1 W |
| Connector | RP-SMA Female and MHF一代 |
| **Physical Properties** | |
| | |
| Cable | O.D. 1.13mm // L= 300mm |
| Operating Temp. | -40 ~ +80 ˚C |
| Storage Temp. | -40 ~ +80 ˚C |
| Cable Color | Black |

add：东莞市大朗镇佛新聚祥二路24 号 电话：0769-82226176 传真：0769-82226175

# S参数测试
# S Parameter Test

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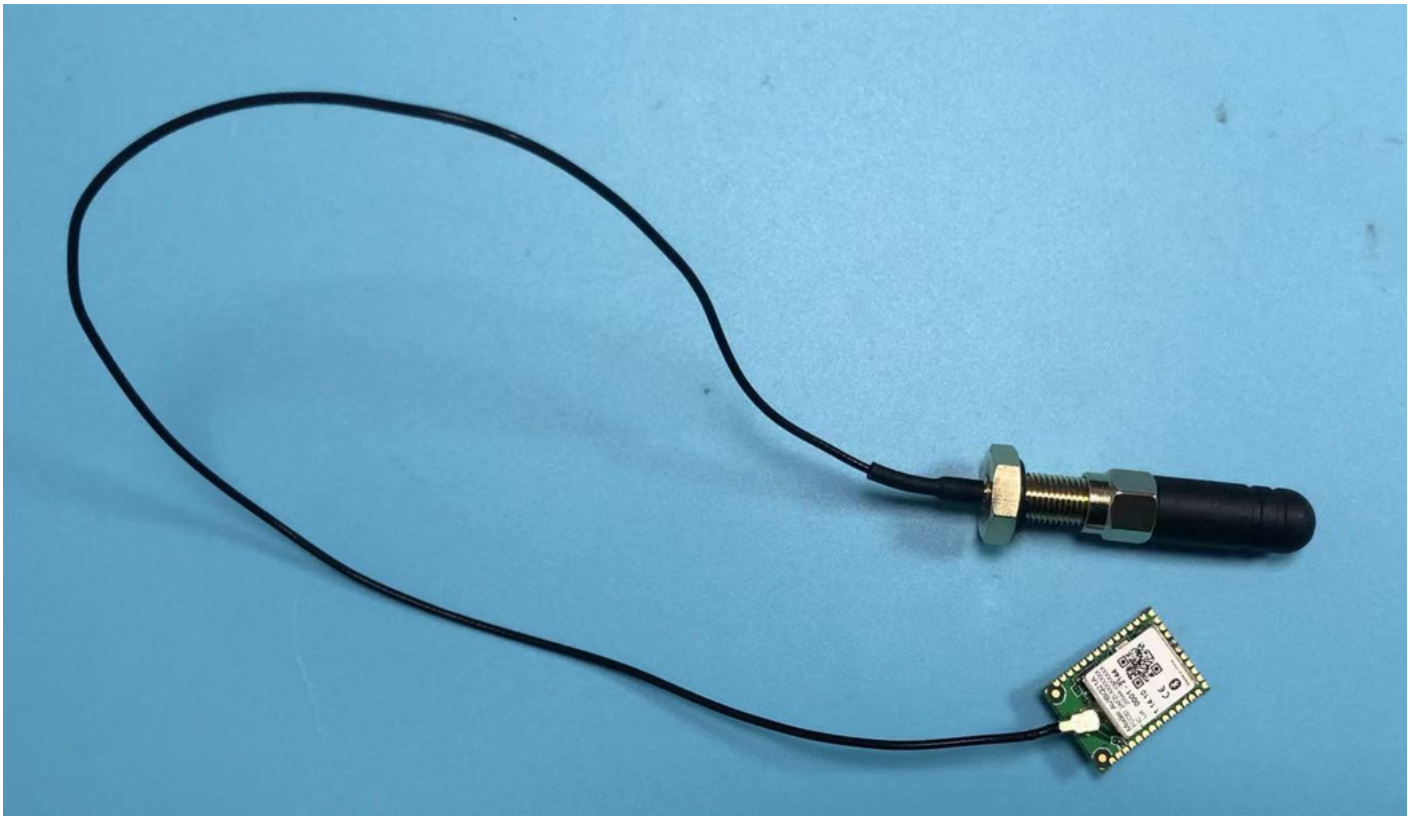
Note: 6211ANT = 6201ANT + 6100CBL:300mm RPSMA Cable

# 6211ANT Photo: