

UHF ANTENNA

Model : TH900C

FOR RFID UHF & ISM & ZigBee



1. GENERAL DESCRIPTION

| P/N |
|---------------|
| TH900C-SMA(M) |

1.1 Electrical Properties

| Parameter | Description |
|-------------------|-------------------|
| Frequency Band | 902~960MHz |
| Nominal Impedance | 50 ohm |
| Polarization | Vertical |
| Return Loss | Please See Data-1 |
| V.S.W.R | 2.0:1 |

1.2 Mechanical Properties

| Parameter | Description |
|-----------------------------|------------------|
| Antenna Type | External Antenna |
| Touch Type | Screw Type |
| Connector Type | SMA (Male) |
| Antenna Dimensions | OD9.3 x127mm±2 |
| Antenna tube & Color | ASA-UV - Black |
| Operating Temperature Range | -40°C~+80°C |
| Storage Temperature Range | -40°C~+80°C |
| Waterproof | IPX6-7 |

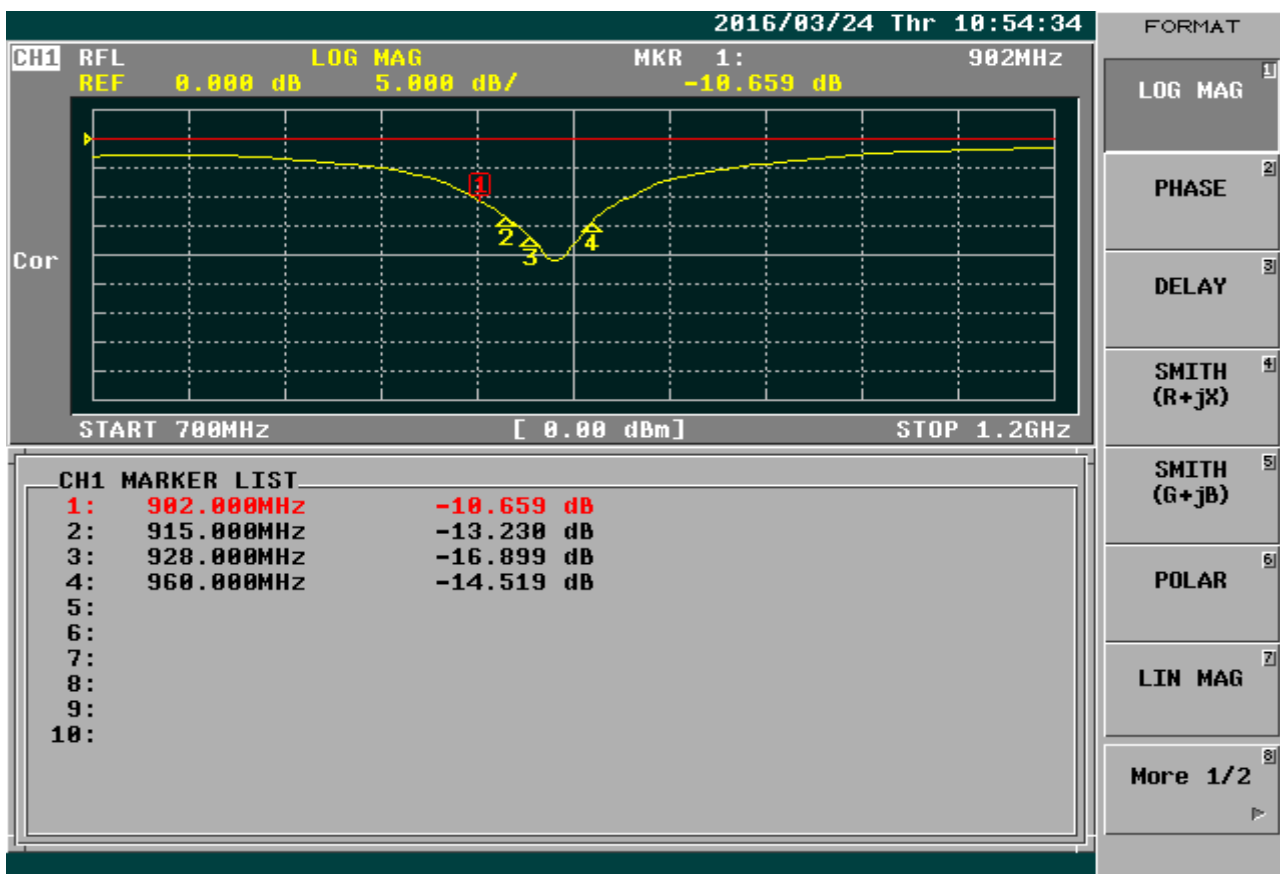
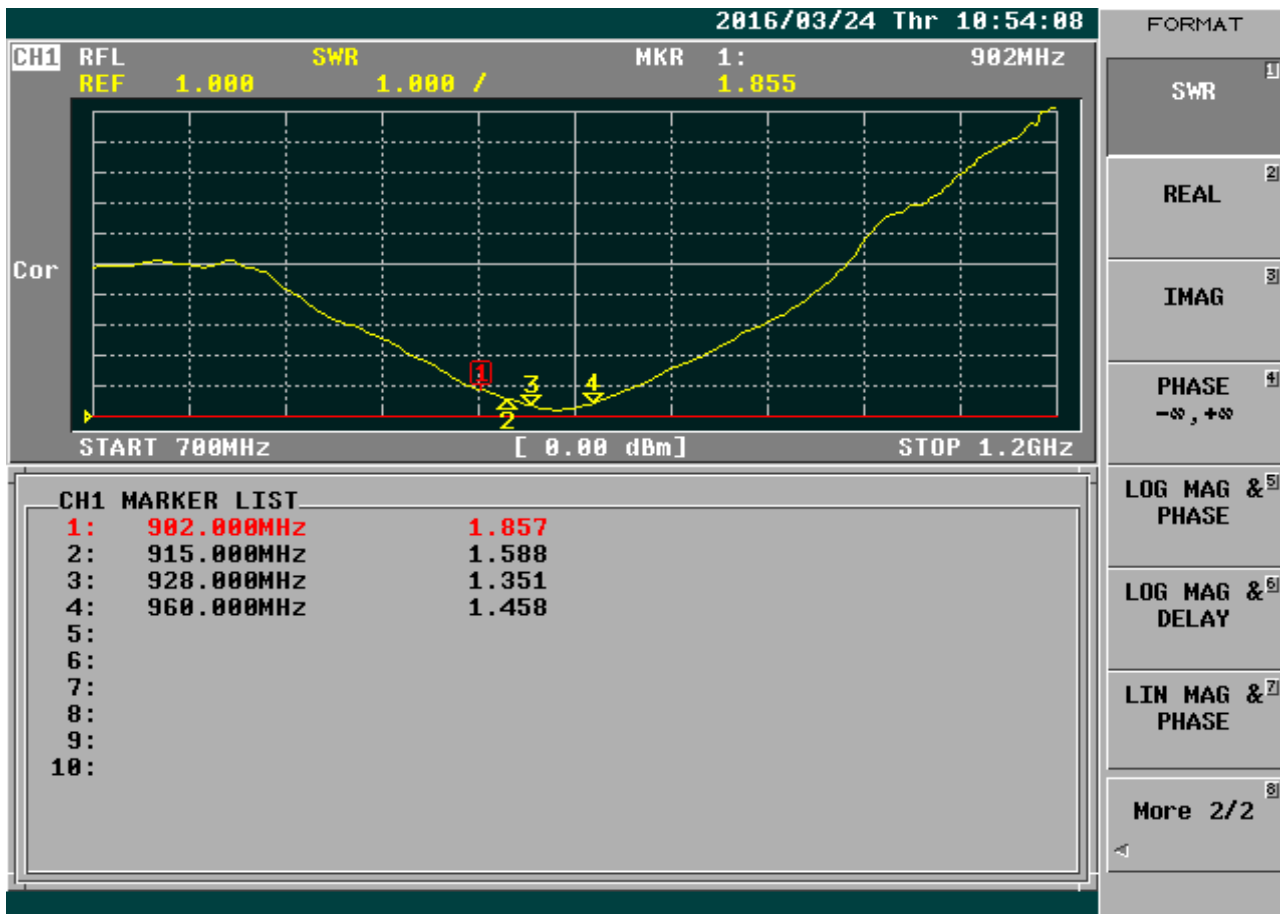
2. Appearance

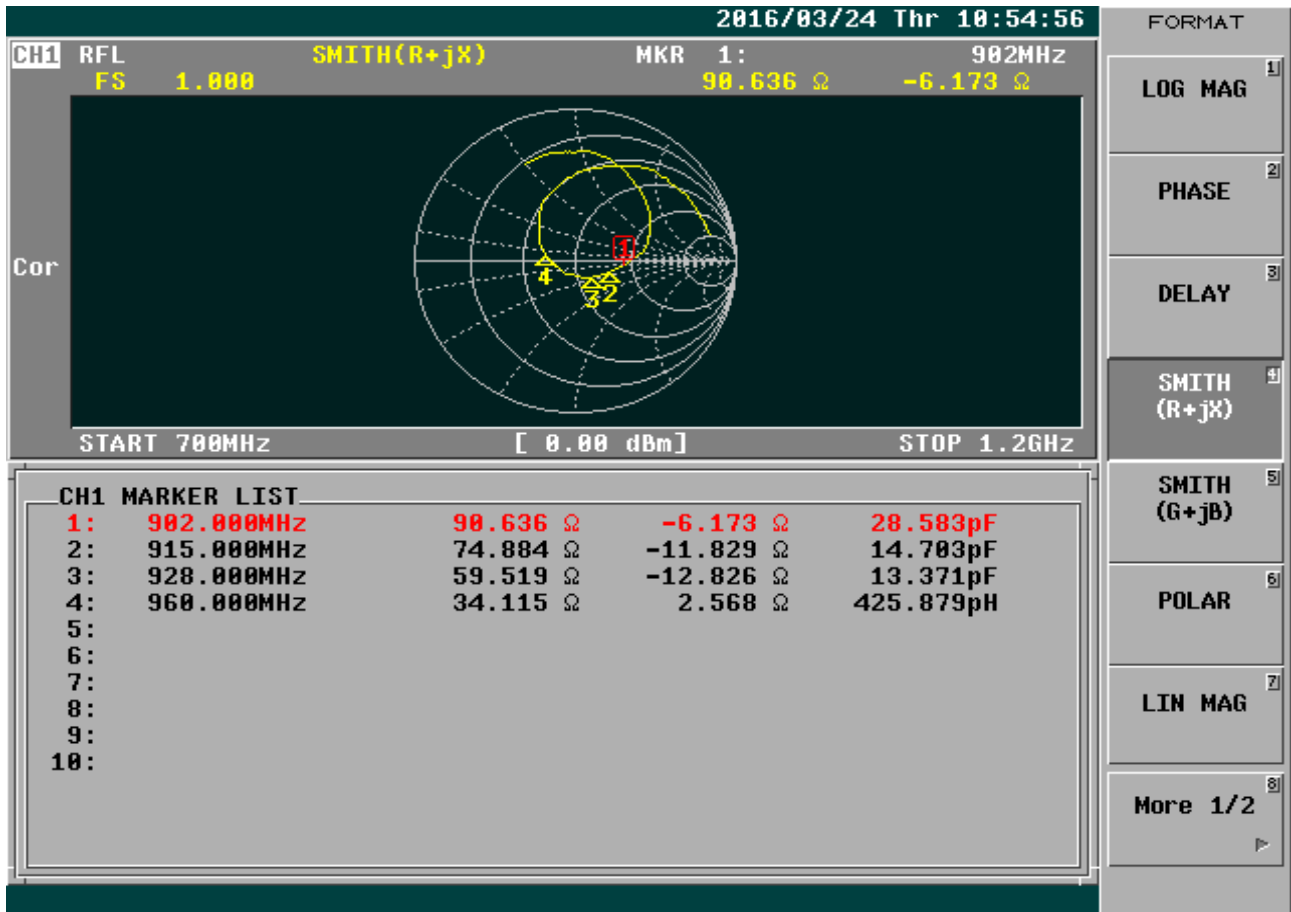
| NO. | NAME | Q, TY |
|-----|-------------|-------|
| 01 | ASA-UV Tube | 01 |
| 02 | SMA(M) | 01 |

| CUSTOMER'S | MODEL | PARTS NUMBER | FREQUENCY | UNIT | SCALE | DATE | VERSION |
|-------------------|------------|--------------|--------------|----------|---------|----------|----------|
| | TH900C | | 824~960Mhz | M/M | | 20160302 | 1 |
| TOLERANCE | X. XX±0.15 | NAME | PARTS NUMBER | APPROVED | CHECKED | DRAWING | DESIGNED |
| SURFACE ROUGHNESS | \sqrt{S} | APPEARANCE | | | | | |

3. FREQUENCY : Test on Customer GND







| Frequency (MHz) | 902 | 915 | 928 | 960 |
|-----------------|-------|-------|-------|-------|
| Peak Gain (dBi) | 1.03 | 1.44 | 1.60 | 1.38 |
| Efficiency (%) | 51.75 | 55.79 | 57.74 | 55.06 |

