

RFID Antenna

MODEL: TH-868



1. GENERAL DESCRIPTION

| Model No |
|-------------|
| TH868-SMA-M |

Below is a table summarizing the antenna design specification.

1.1 Electrical Properties

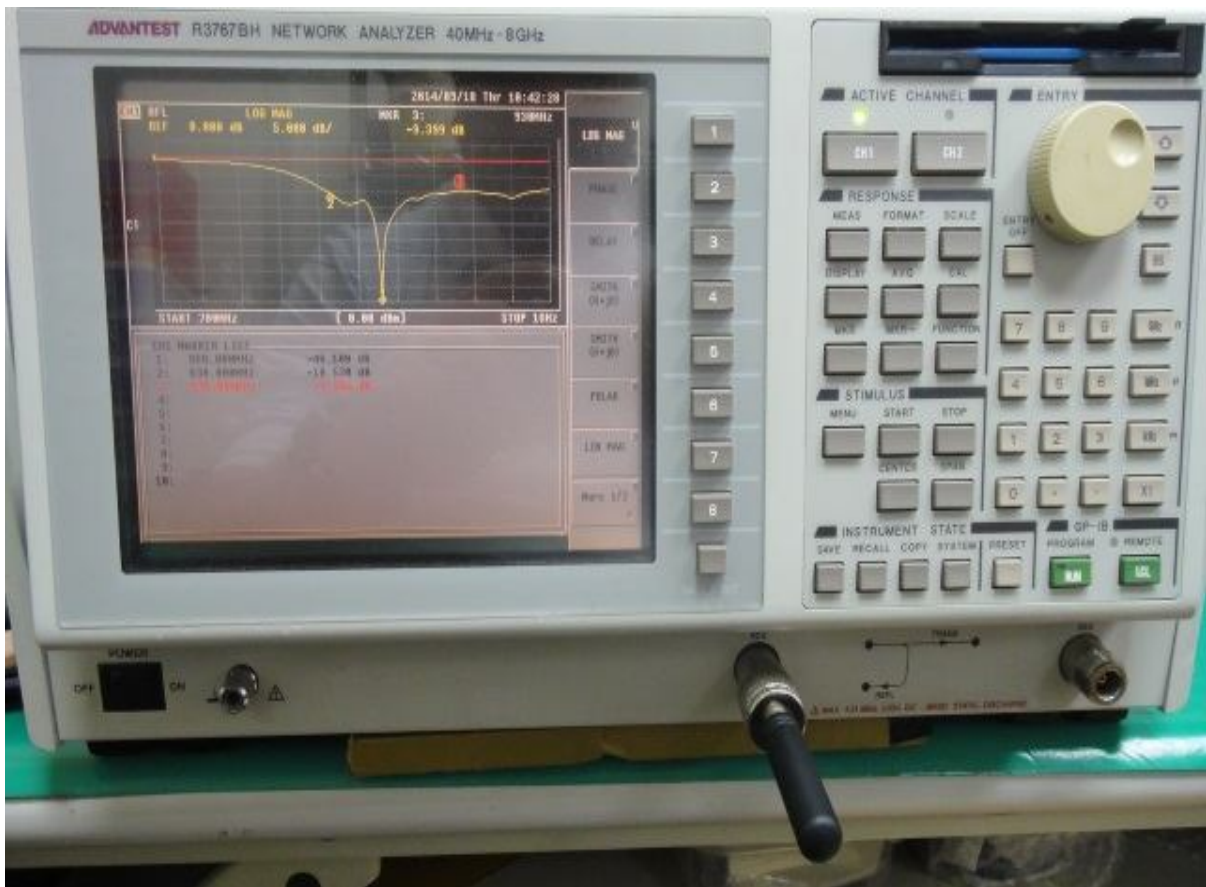
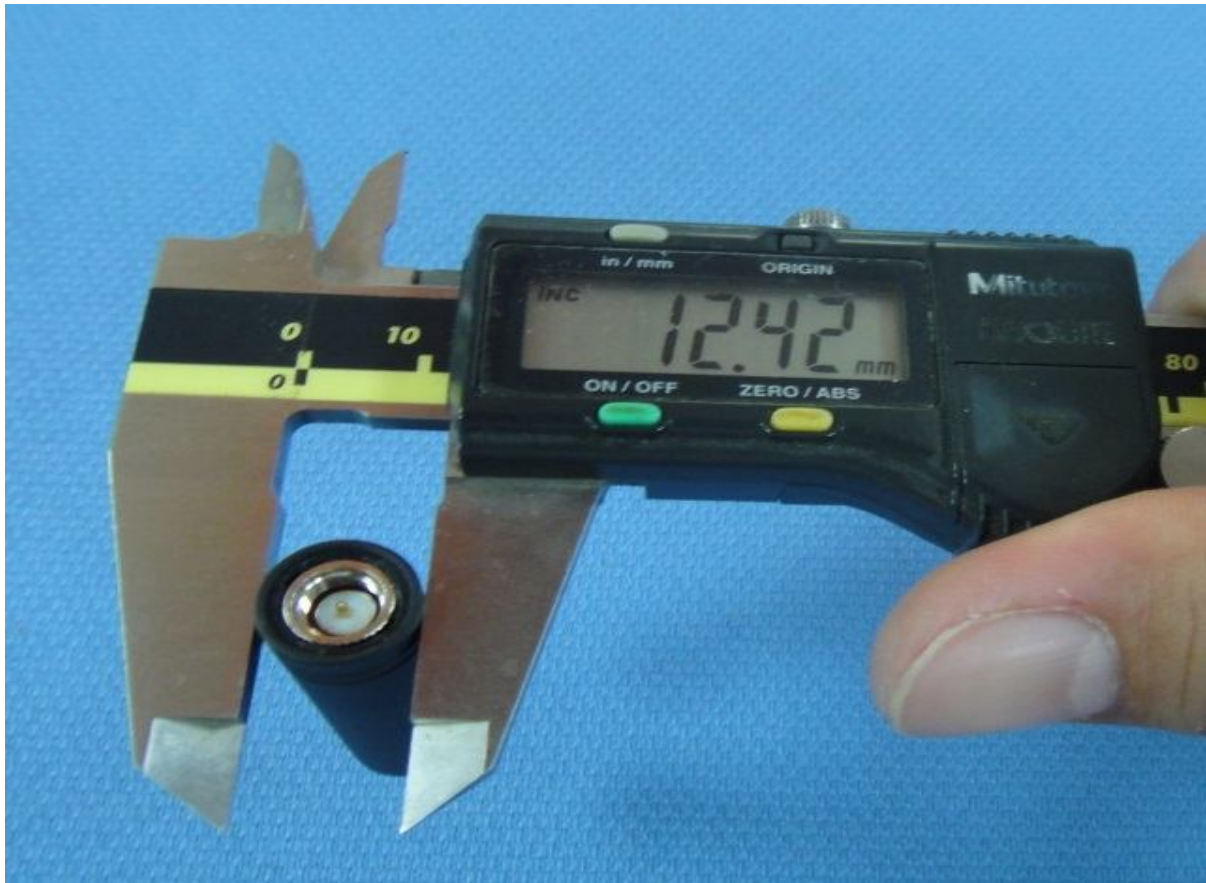
| Parameter | Description |
|-------------------|-------------------|
| Frequency Band | 868Mhz |
| Nominal Impedance | 50 ohm |
| Polarization | Vertical |
| Return Loss | Please See Data-1 |
| V.S.W.R | 2.0:1 |
| Gain | 0db |

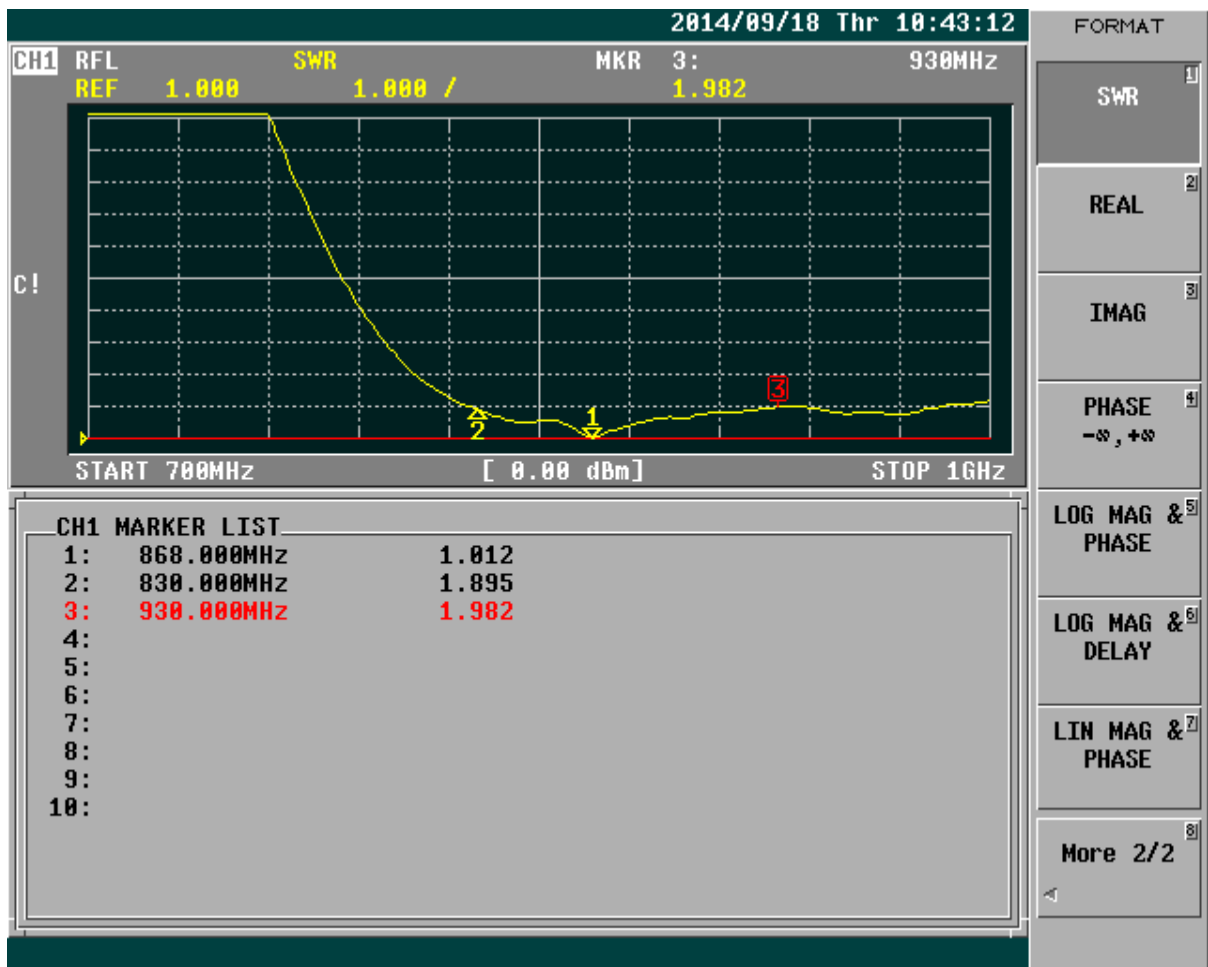
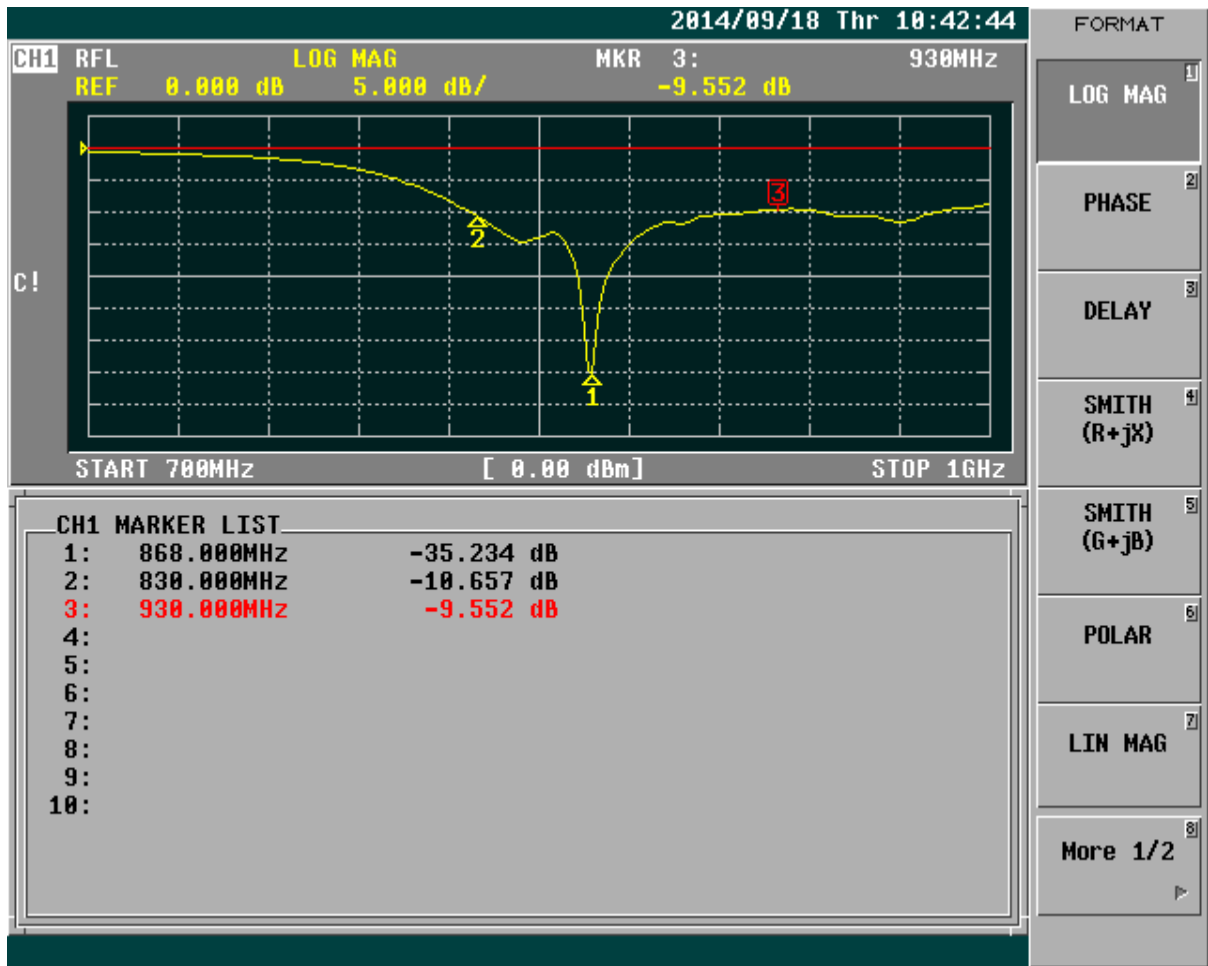
1.2 Mechanical Properties

| Parameter | Description |
|-----------------------------|------------------|
| Antenna Type | External Antenna |
| Antenna Cover | TPU |
| Touch Type | Screw Type |
| Connector Type | SMA 180°(Male) |
| Antenna Dimensions | 50.4mm±0.5 |
| Antenna Color | Black |
| Operating Temperature Range | -30°C~+70°C |
| Storage Temperature Range | -30°C~+70°C |

*This specification is subject to change without prior notice

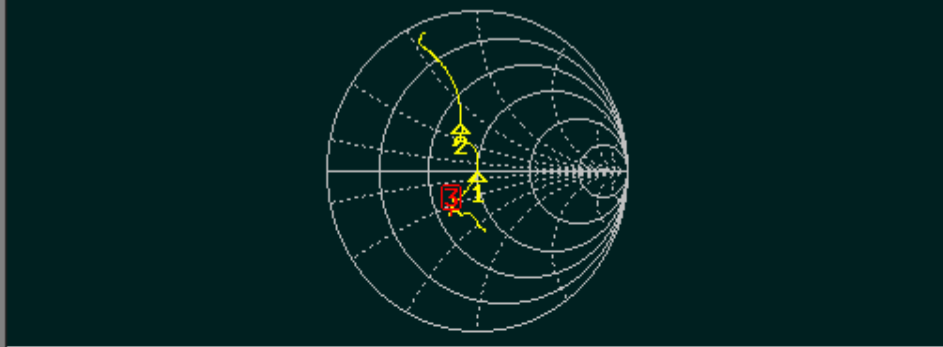






CH1 RFL SMITH(R+jX) MKR 3: 930MHz
 FS 1.000 31.147 Ω -18.374 Ω

C!



START 700MHz [0.00 dBm] STOP 1GHz

CH1 MARKER LIST

| | | | | |
|-----|------------|----------|-----------|----------|
| 1: | 868.000MHz | 49.486 Ω | 218.765mΩ | 48.112pH |
| 2: | 830.000MHz | 34.302 Ω | 22.408 Ω | 4.296nH |
| 3: | 930.000MHz | 31.893 Ω | -18.451 Ω | 9.274pF |
| 4: | | | | |
| 5: | | | | |
| 6: | | | | |
| 7: | | | | |
| 8: | | | | |
| 9: | | | | |
| 10: | | | | |

LOG MAG

PHASE

DELAY

SMITH
(R+jX)

SMITH
(G+jB)

POLAR

LIN MAG

More 1/2