

# RFID/UHF Antenna

**MODEL: TH-868E**



## 1. GENERAL DESCRIPTION

Model No	P/N
TH-868E	TH868E-SMA(M)

Below is a table summarizing the antenna design specification.

### 1.1 Electrical Properties

Parameter	Description
Frequency Band	824-960 MHz
Nominal Impedance	50 ohm
Polarization	Vertical
Electrical Wave	Dipole
Return Loss	Please See Data-1
V.S.W.R	2.5 : 1
Gain	0-3db
Power	3W

### 1.2 Mechanical Properties

Parameter	Description
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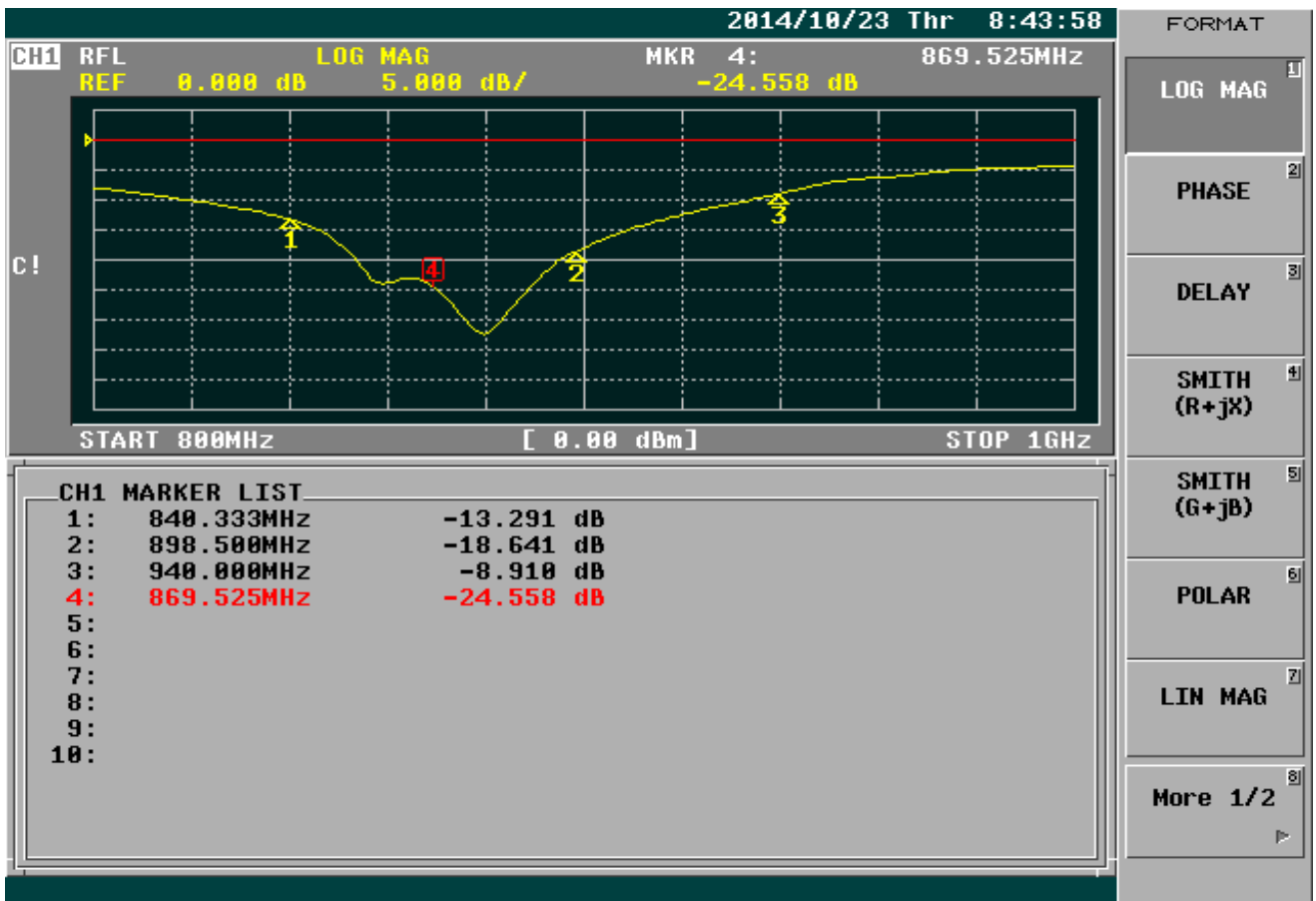
Antenna Type	External Antenna
Touch Type	Screw Type
Connector Type	SMA (Male)
Antenna Dimensions	320mm ±10
Antenna Color	Black
Operating Temperature Range	-30°C~+70°C
Storage Temperature Range	-30°C~+70°C
Waterproof	IPX6

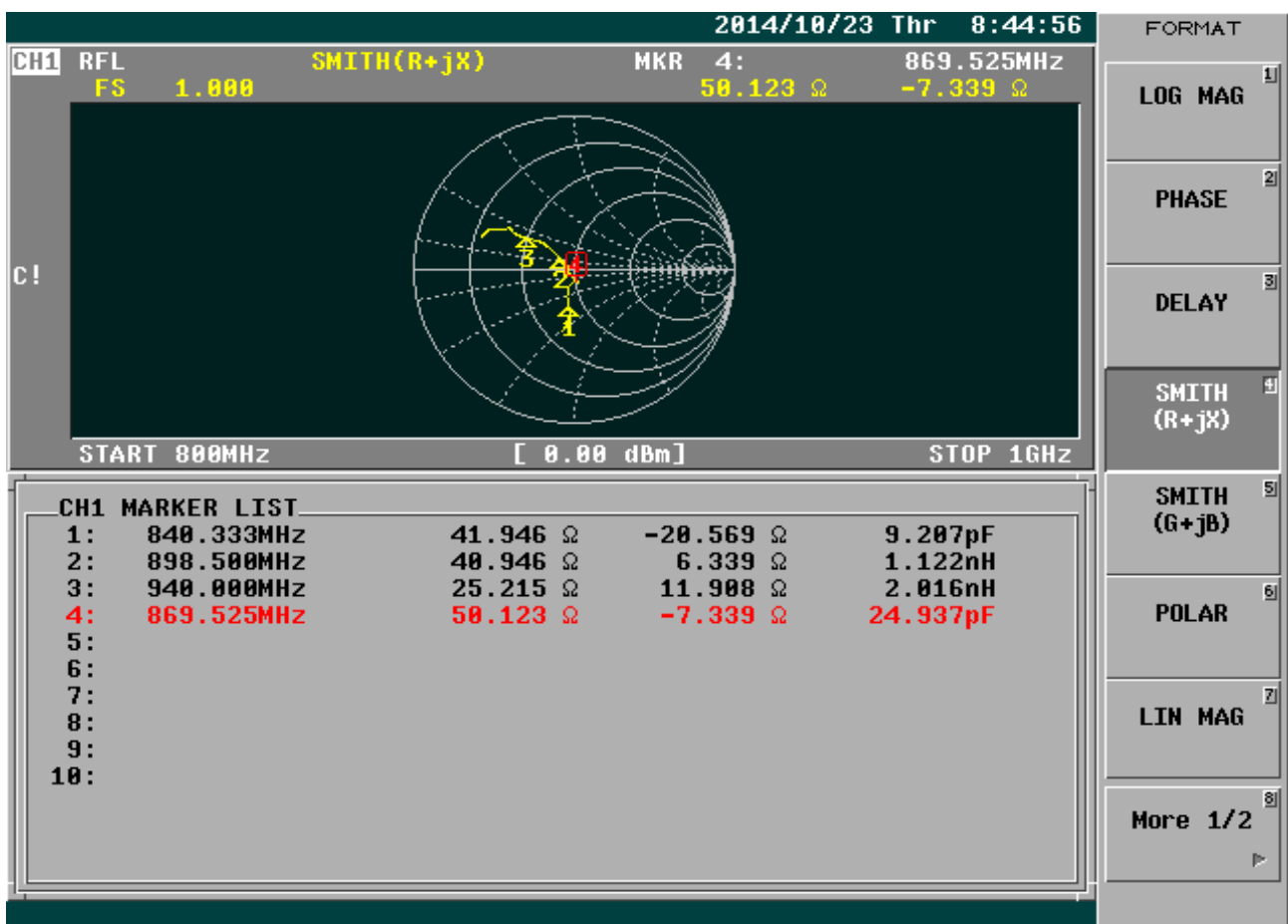
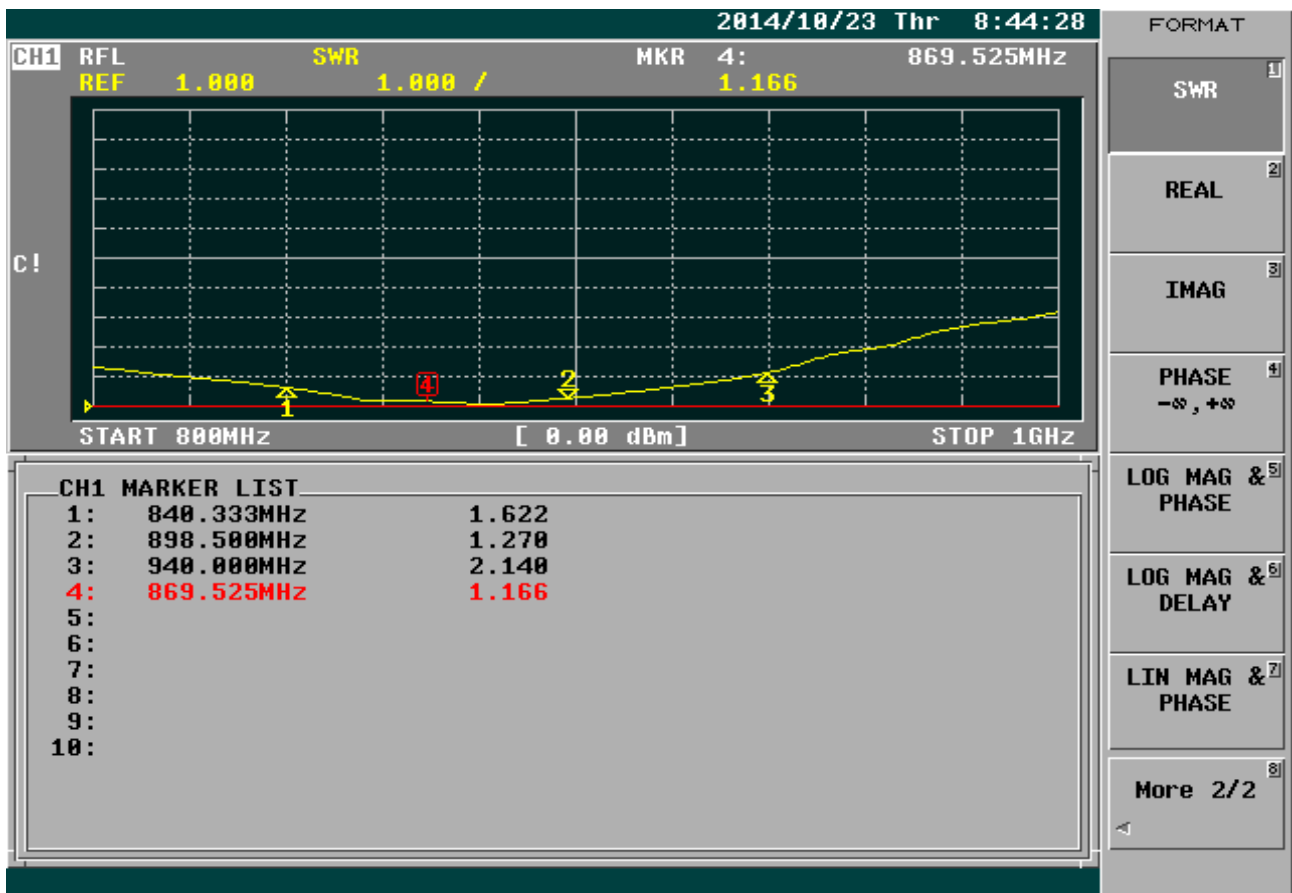
2. Appearance

NO.	NAME	FINISH	Q. TY
01	TOP	Black	01
02	Heat-shrink tube	Black	01
03	Core tube	Black	01
04	SMA (Male)	Chrom plating	01

 Third angle projection	CUSTOMER'S	MODEL	PARTS NUMBER	FREQUENCY	UNIT	SCALE	DATE	VERSION
				868MHz	M/M		20141014	I
	TOLERANCE	X. XX±0.15	NAME	PARTS NUMBER	APPROVED	CHECKED	DRAWING	DESIGNED
	SURFACE ROUGHNESS	S ▽▽	APPEARANCE					

### 3. Frequency





### TH868E-SMA(M)

Frequency	824	868	869.525	902	915	928	960
Average	-2.35	-1.61	-1.61	-1.39	-1.44	-1.73	-3.10
Peak	0.46	1.35	1.33	1.98	1.97	1.72	0.56
Efficiency	58.23	68.97	69.10	72.69	71.83	67.19	49.00

