

# 868Mhz Antenna

**MODEL: TH-868B**



## 1. GENERAL DESCRIPTION

P/N
TH868B-SMA-M

Below is a table summarizing the antenna design specification.

### 1.1 Electrical Properties

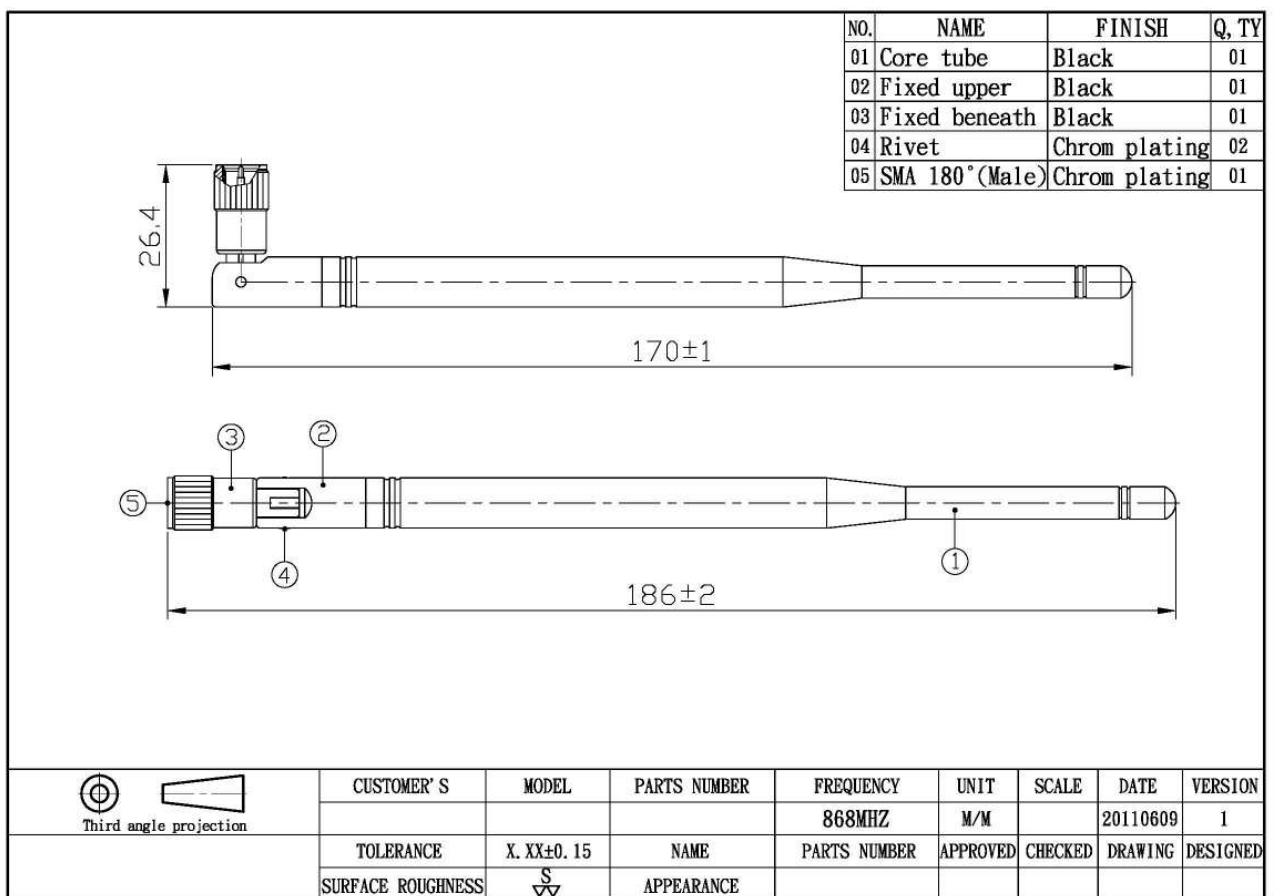
Parameter	Description
Frequency Band	868 MHz
Nominal Impedance	50 ohm
Polarization	Vertical
Return Loss	Please See Data-1
V.S.W.R	2.0:1

### 1.2 Mechanical Properties

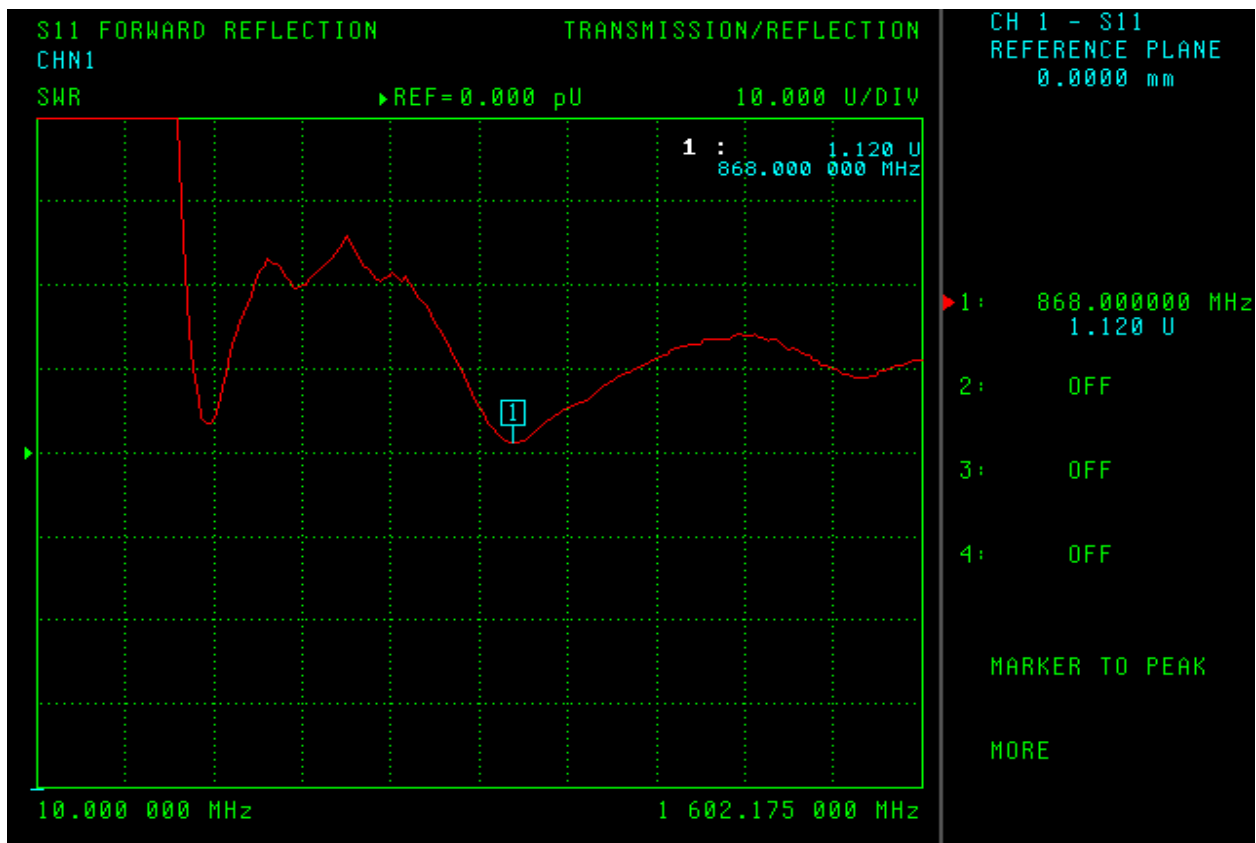
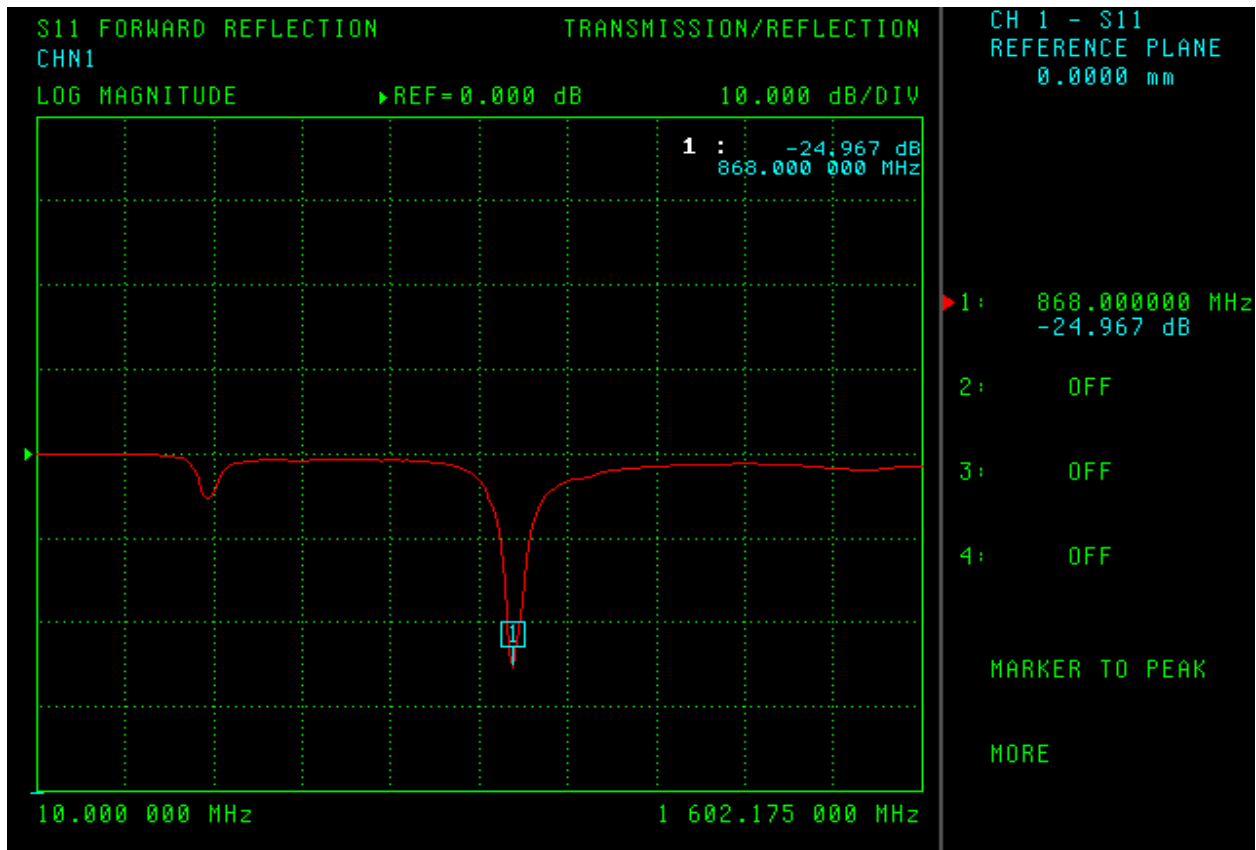
Parameter	Description
Antenna Type	External Antenna

Antenna Cover	TPE
Touch Type	Screw Type
Connector Type	SMA 180°(Male)
Antenna Dimensions	186mm±2
Antenna Color	Black
Operating Temperature Range	-20°C~+60°C
Storage Temperature Range	-30°C~+70°C

## 2. Appearance



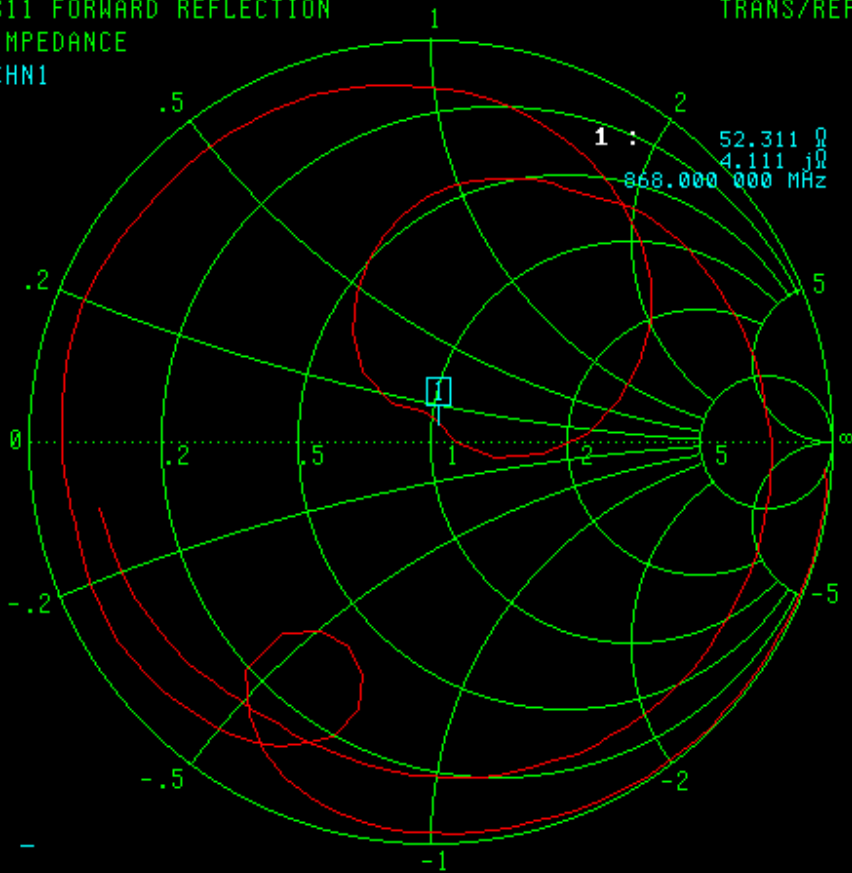
### 3. Return Loss, V.S.W.R. and Smith Chart



S11 FORWARD REFLECTION  
IMPEDANCE  
CHN1

TRANS/REFL

CH 1 - S11  
REFERENCE PLANE  
0.0000 mm



- ▶ 1: 868.000000 MHz  
52.311  $\Omega$   
4.111  $j\Omega$
- 2: OFF
- 3: OFF
- 4: OFF

MARKER TO PEAK

MORE

10.000 000 MHz - 1 602.175 000 MHz