

RFID/Sigfox/ISM/LoRo UHF Passive Antenna

MODEL: TH900K



1. GENERAL DESCRIPTION

Model No
TH900K-SMA90(M)

Below is a table summarizing the antenna design specification.

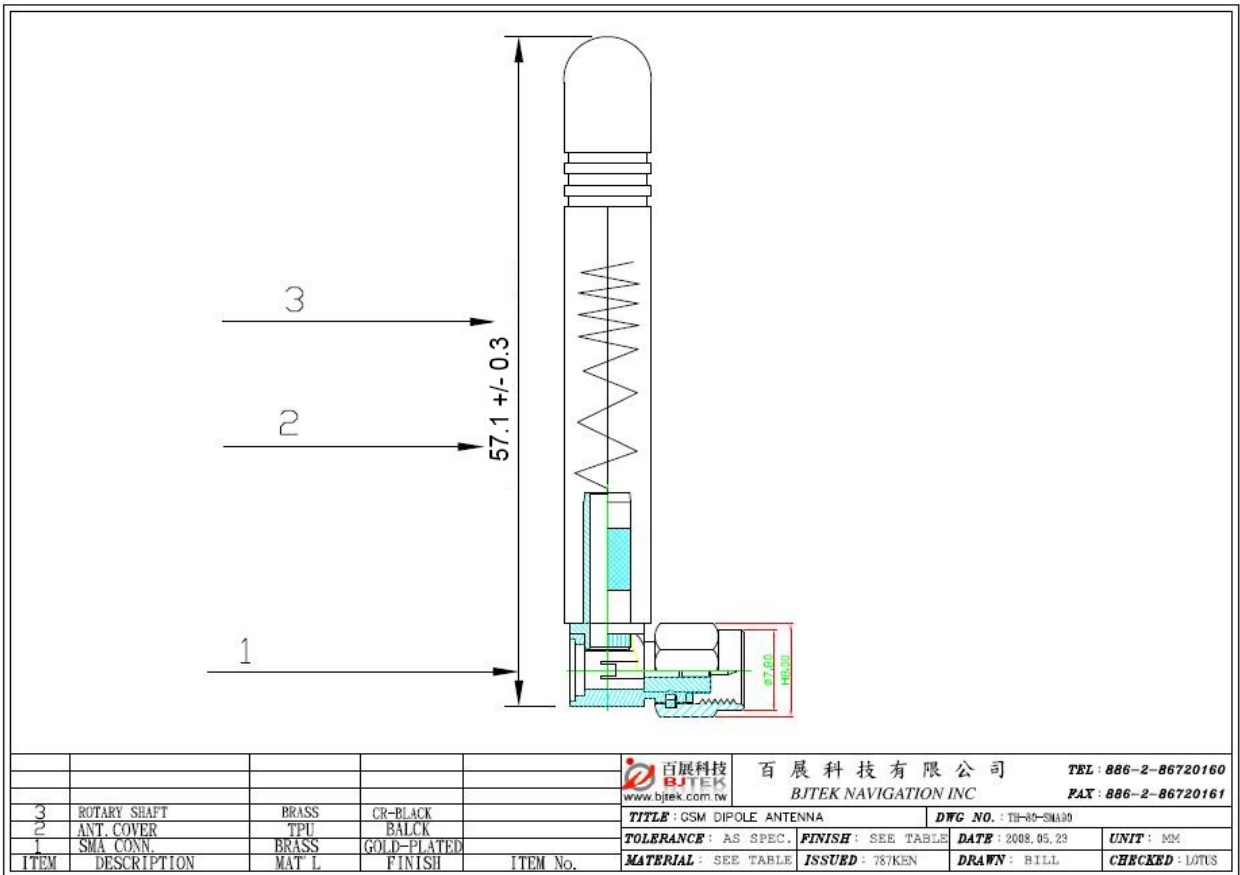
1.1 Electrical Properties

Parameter	Description
Frequency Band	900~930MHz
Nominal Impedance	50 ohm
Polarization	Vertical
Return Loss	Please See Data-1
V.S.W.R	2.0 : 1
Gain	1db

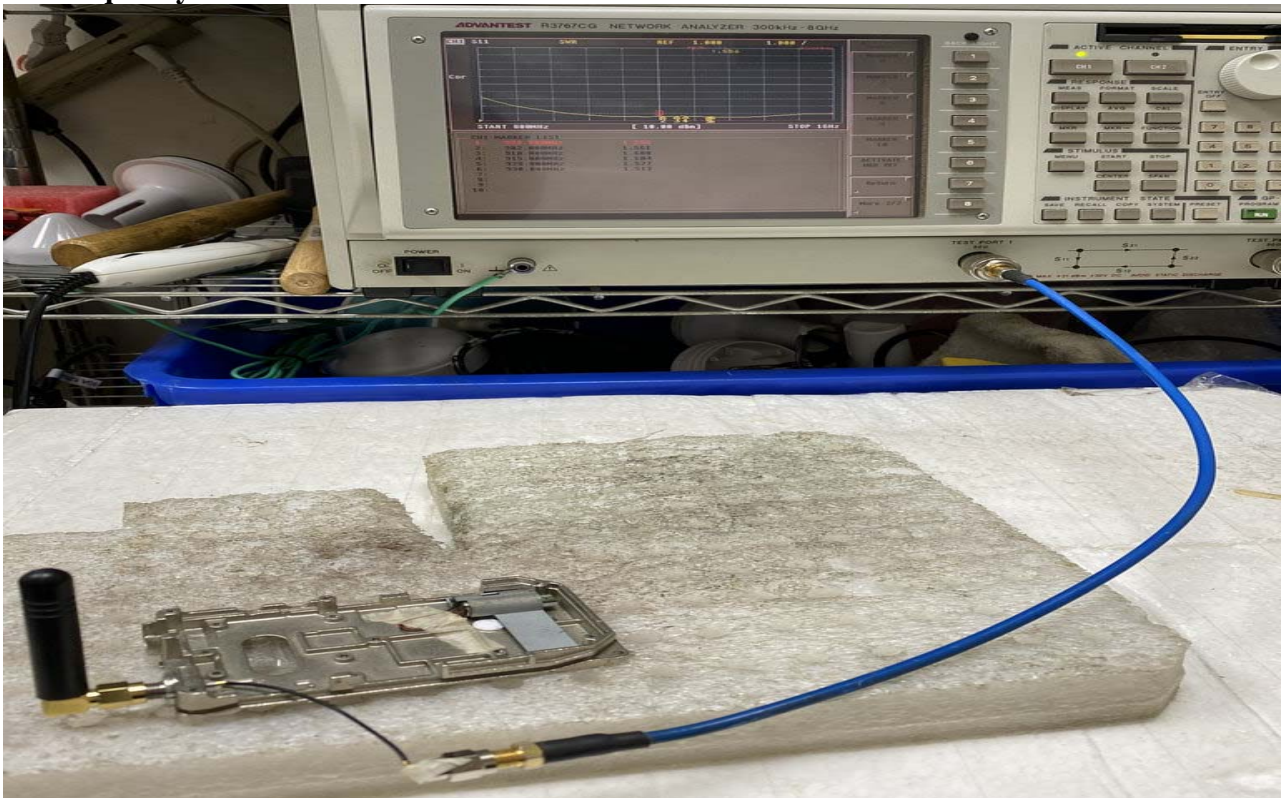
1.2 Mechanical Properties

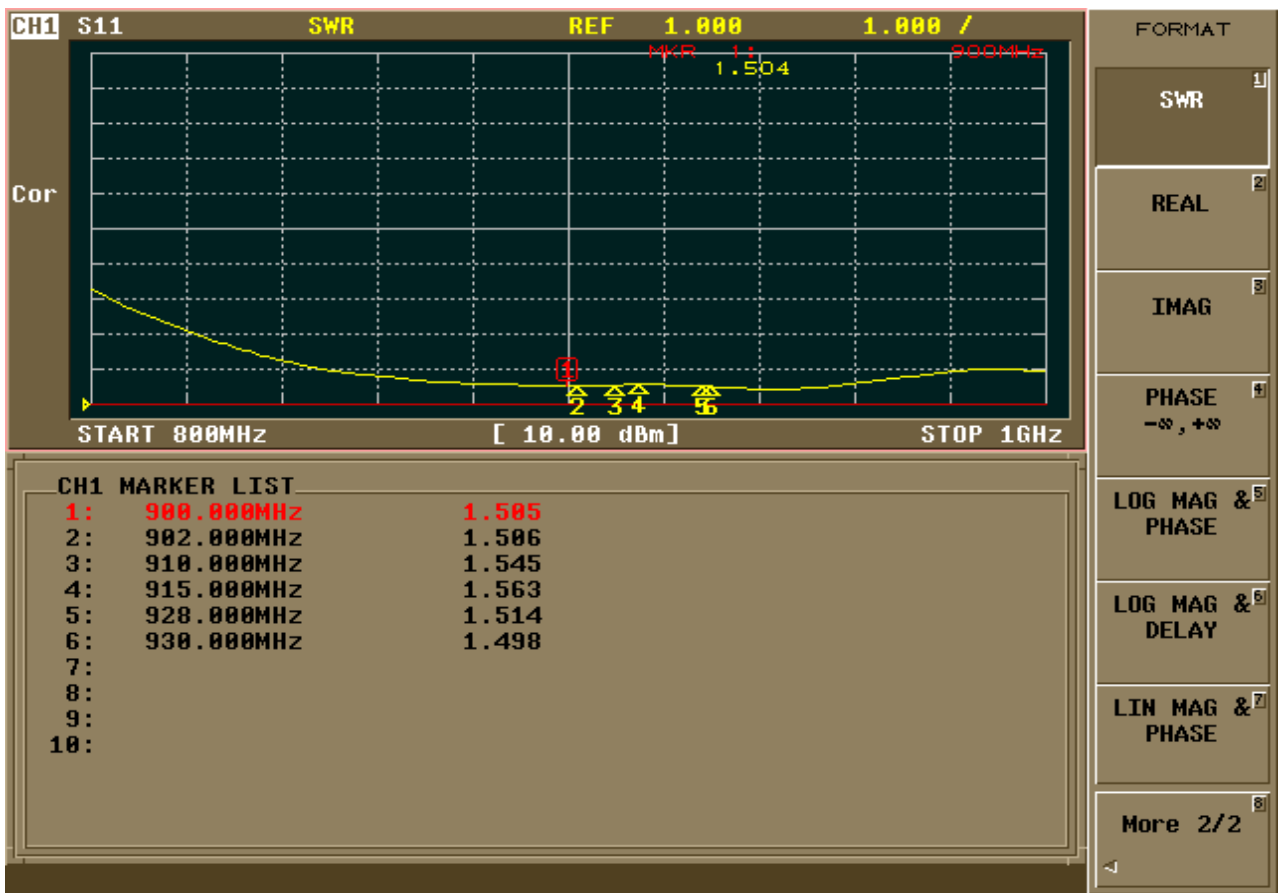
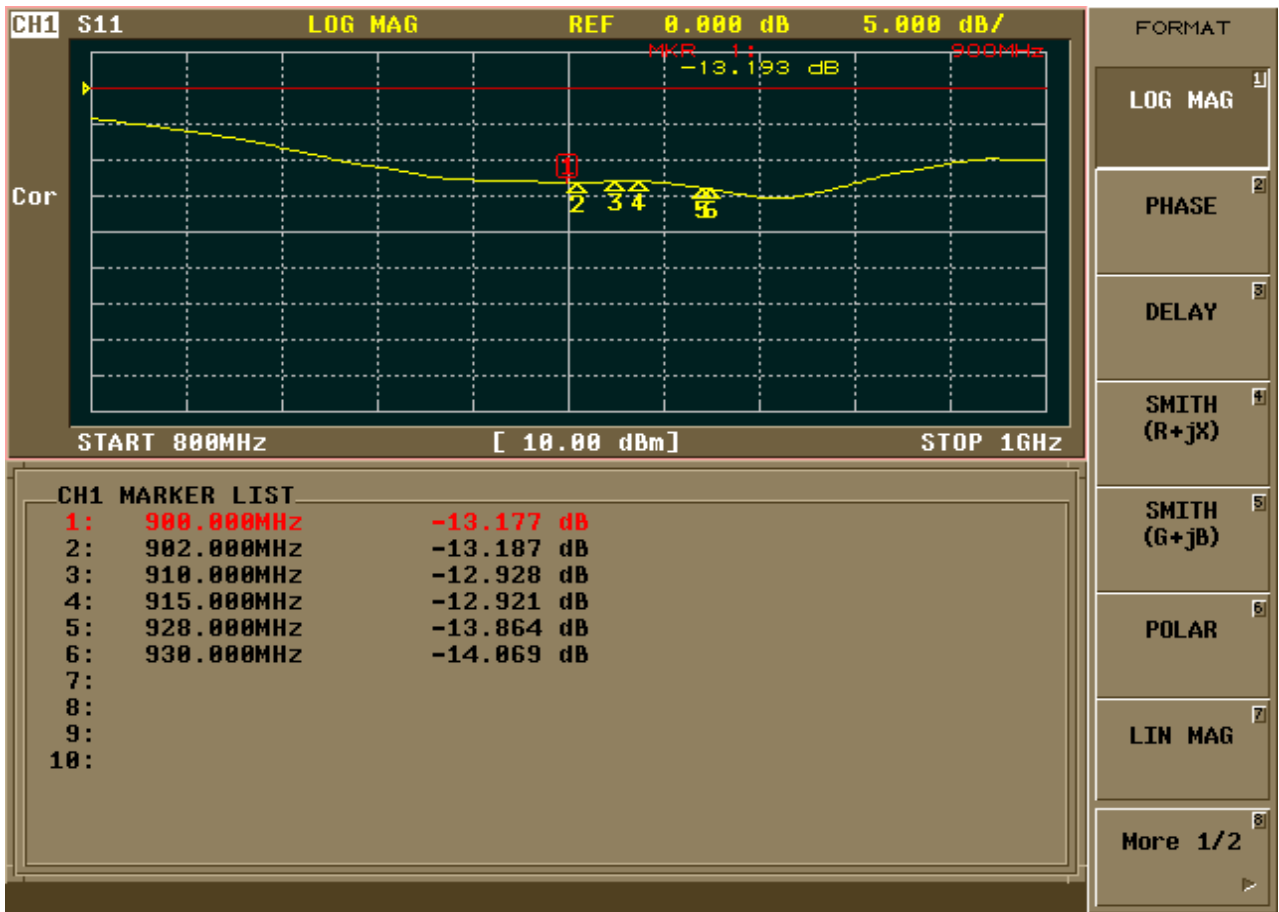
Parameter	Description
Antenna Type	External Antenna
Antenna Material	ASA
Touch Type	Screw Type
Connector Type	SMA 90°(Male)
Antenna Dimensions	57.1mm \pm 0.3
Antenna Color	Black
Operating Temperature Range	-30°C~+70°C
Storage Temperature Range	-30°C~+70°C

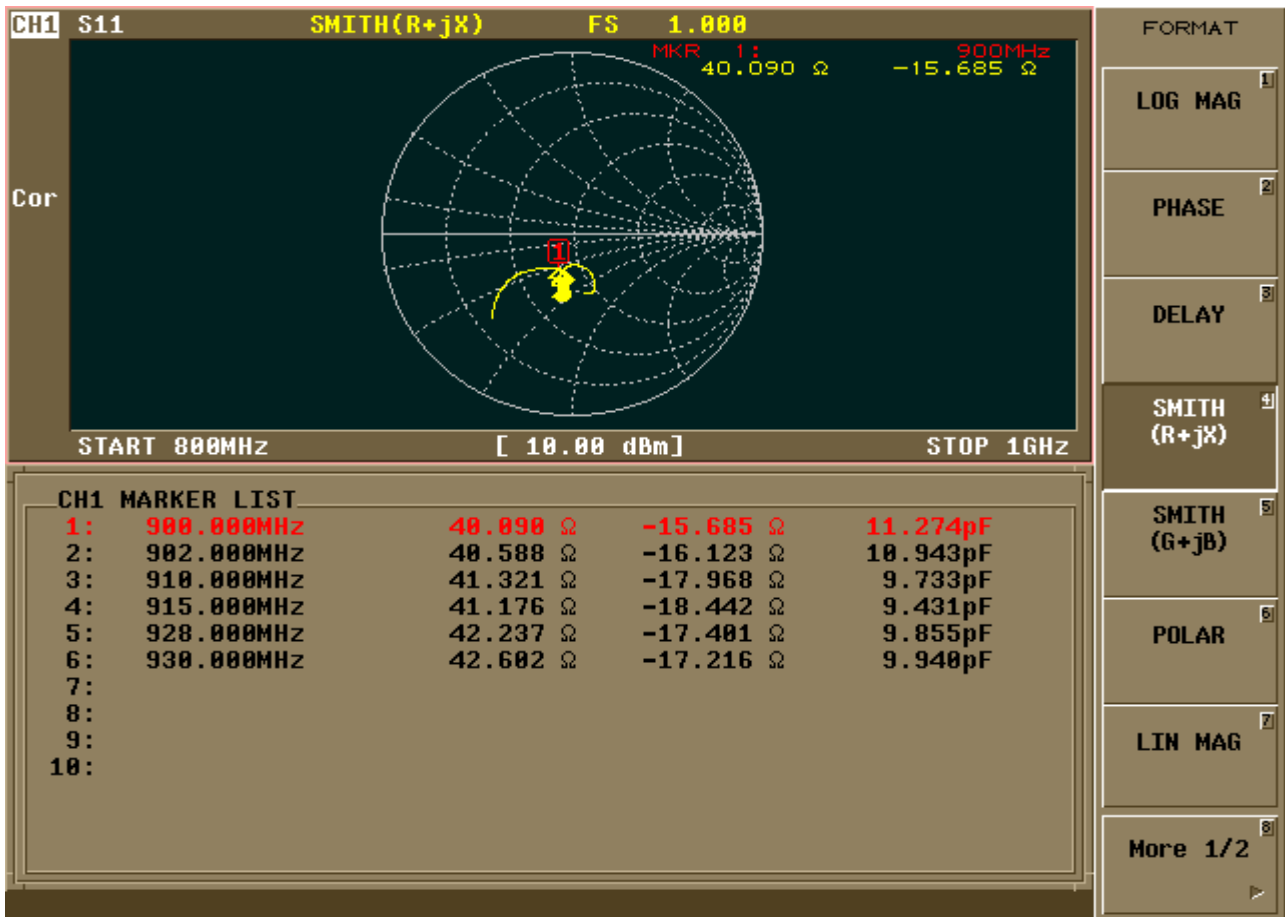
2. Appearance



3. Frequency







Frequency (MHz)	902	905	910	915	918	922	926	928
Average Gain(dBi)	-1.59	-1.59	-1.57	-1.56	-1.53	-1.61	-1.61	-1.66
Peak Gain (dBi)	1.85	1.85	1.87	1.86	1.82	1.87	1.83	1.83
Efficiency (%)	69.05	69.19	69.56	69.73	68.91	68.96	68.92	68.17

