

# RFID/UHF Passive Antenna

## MODEL: TH-915H



### 1.. GENERAL DESCRIPTION

Model No	P/N
TH-915H	TH915H-SMA(M) or RP-SMA(M)

Below is a table summarizing the antenna design specification.

#### 1.1 Electrical Properties

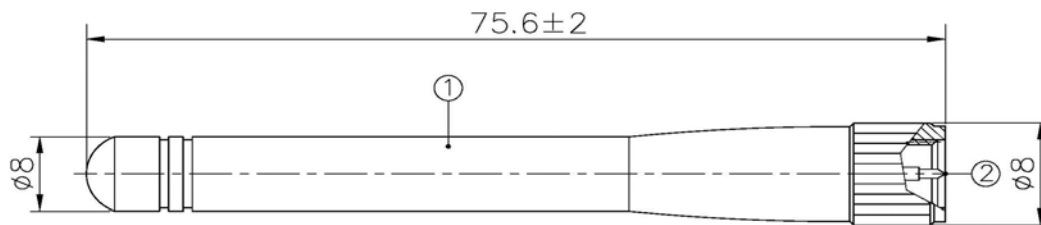
Parameter	Description
Frequency Band	902-928MHz
Nominal Impedance	50 ohm
Polarization	Vertical
Electrical Wave	1 /4 $\lambda$
Admitted Power radiation	1W
V.S.W.R	2.0:1
Antenna Peak Gain	1.5 dB
Note: Gain includes the cable loss	

#### 1.2 Mechanical Properties

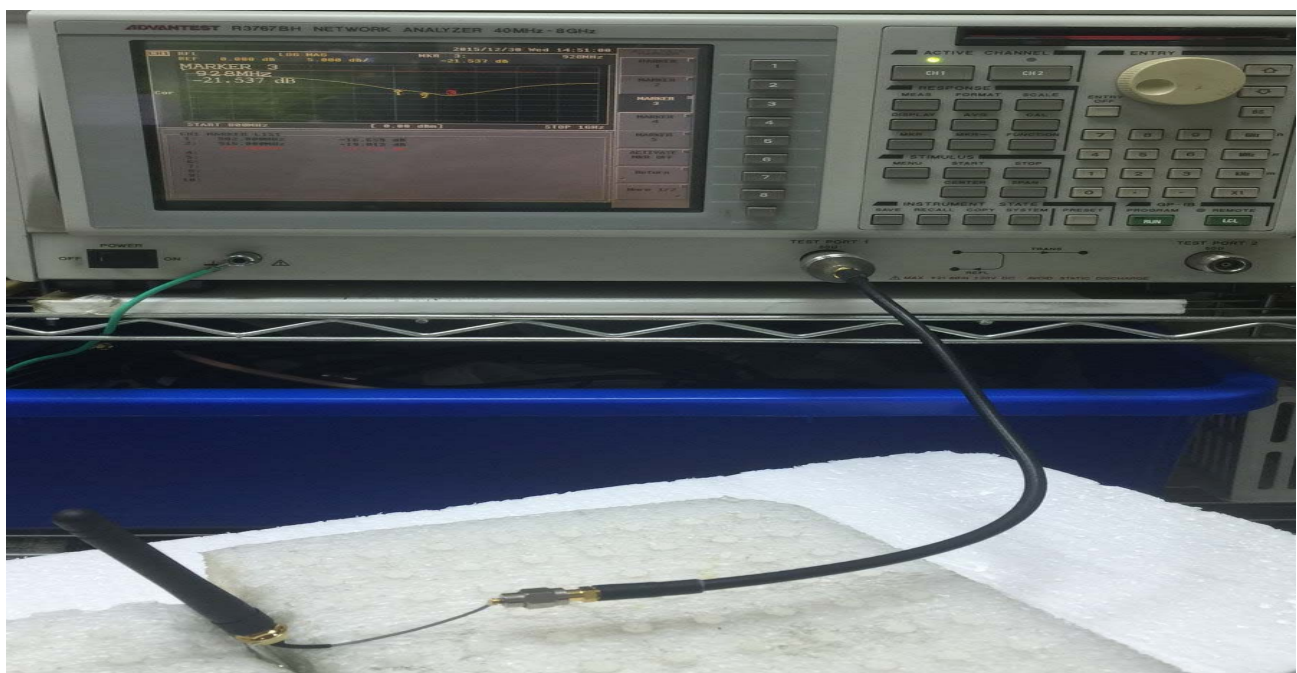
Parameter	Description
Antenna Type	External Antenna
Material	TPU
Touch Type	Screw Type
Connector Type	SMA (Male) OR RP-SMA(M)

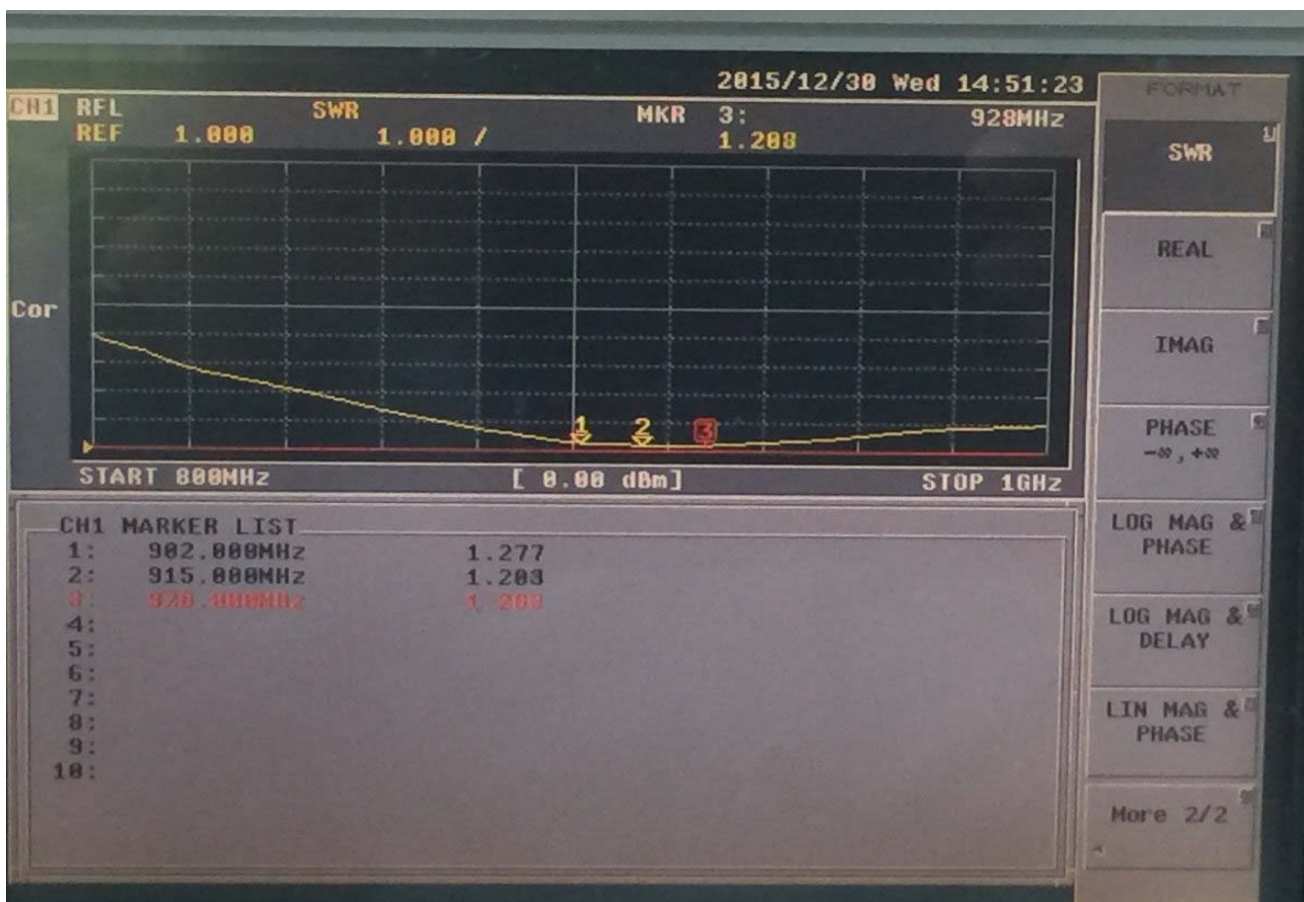
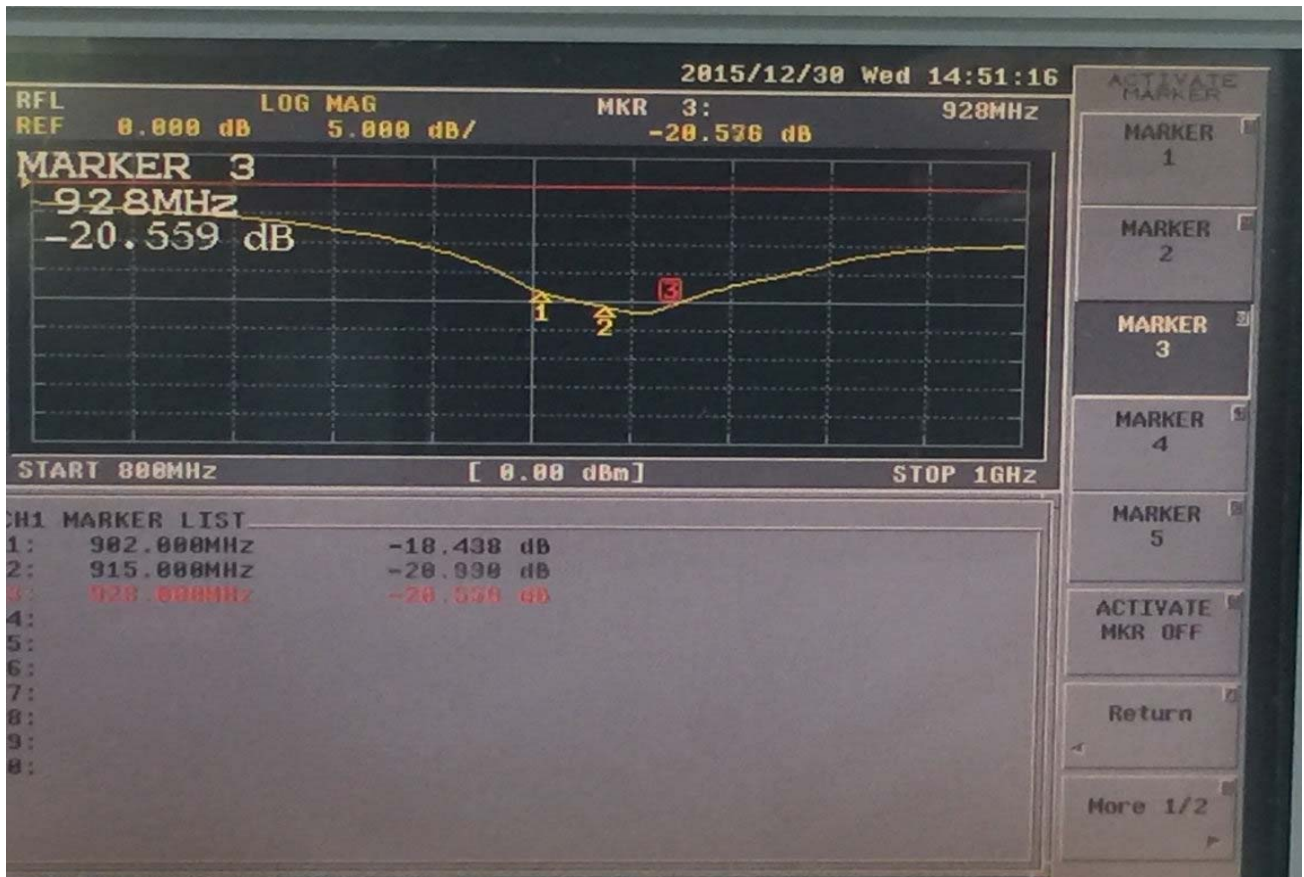
Antenna Dimensions	75.6mm±2
Antenna Color	Black
Operating Temperature Range	-30°C~+70°C
Storage Temperature Range	-35°C~+80°C

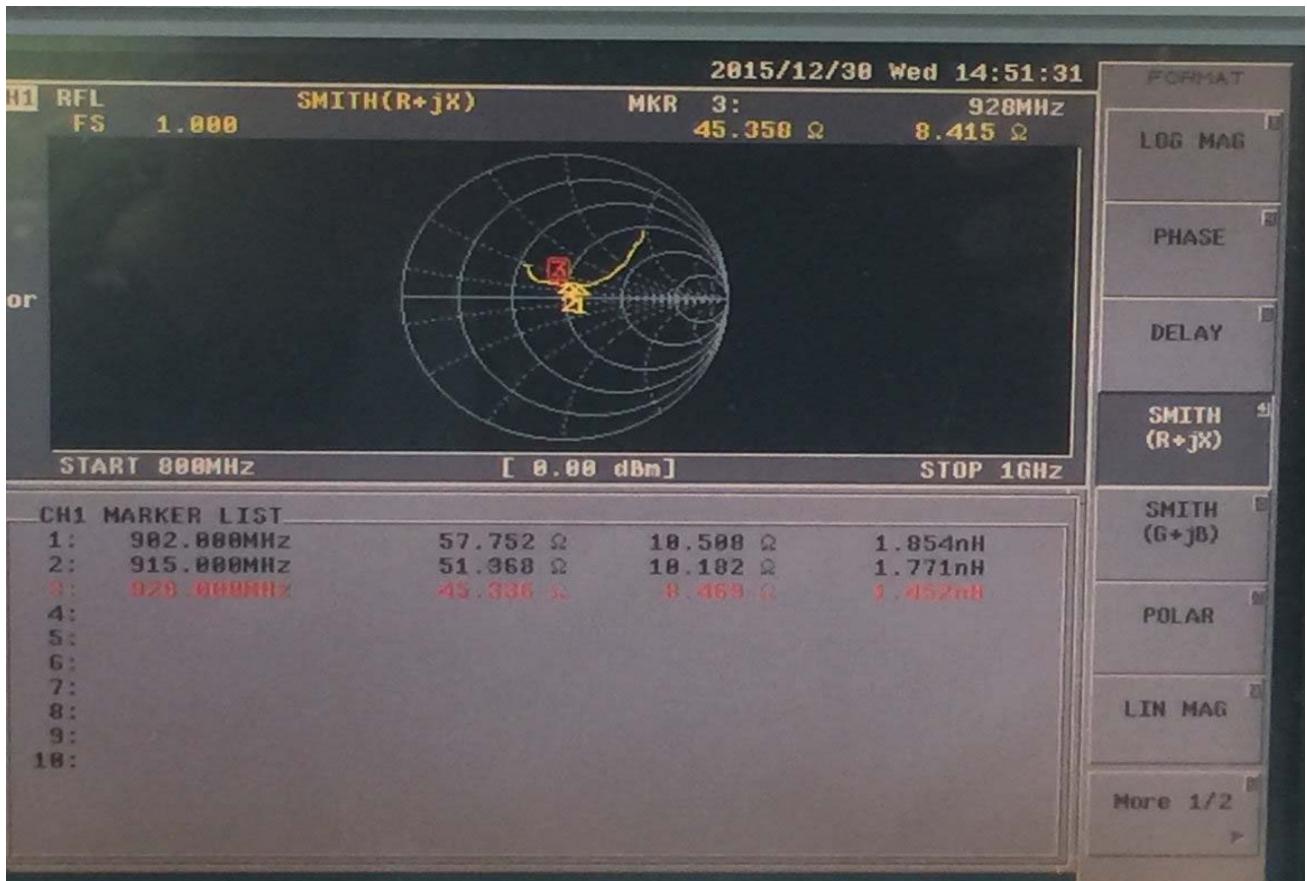
NO.	NAME	FINISH	Q, TY
01	Core tube	Black	01
02	SMA-Connector(Male)	Chrom plating	01



Third angle projection	CUSTOMER'S	MODEL	PARTS NUMBER	FREQUENCY	UNIT	SCALE	DATE	VERSION
						M/M		
	TOLERANCE	X. XX±0. 15	NAME	PARTS NUMBER	APPROVED	CHECKED	DRAWING	DESIGNED
	SURFACE ROUGHNESS	S	APPEARANCE					







Frequency (MHz)	902	906	910	915	918	922	926	928
Average Gain(dBi)	-1.68	-1.6	-1.53	-1.48	-1.46	-1.48	-1.45	-1.44
Peak Gain (dBi)	1.65	1.73	1.77	1.79	1.80	1.74	1.74	1.74
Efficiency (%)	67.85	69.17	70.15	70.96	71.38	71.04	71.55	71.74

