

RFID/Sigfox/ISM/LoRo UHF Passive Antenna

MODEL: TH-900M



1.. GENERAL DESCRIPTION

Model No	P/N
TH-900M	TH900M-SMA90(M)

Below is a table summarizing the antenna design specification.

1.1 Electrical Properties

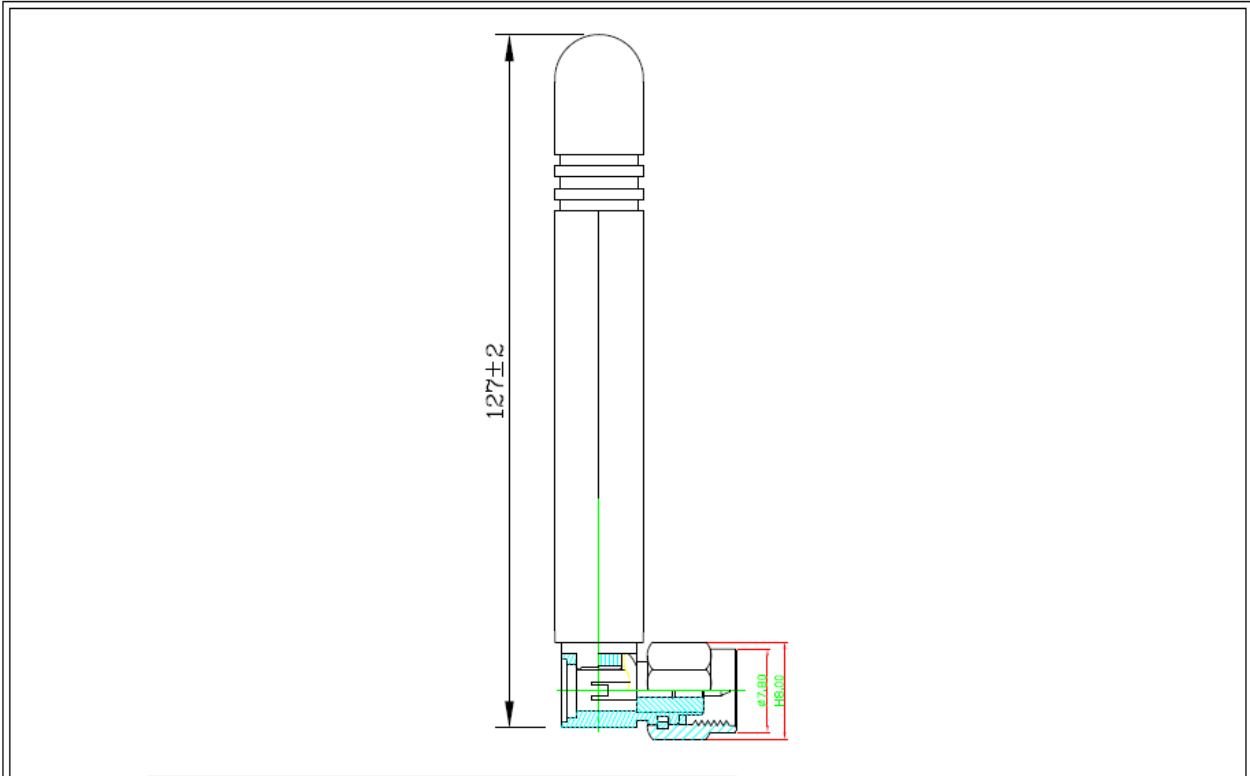
Parameter	Description
Frequency Band	824~960MHz
Nominal Impedance	50 ohm
Polarization	Vertical
Electrical Wave	1 / 4 λ
Admitted Power radiation	1W
V.S.W.R	3.0:1 Max
Antenna peak Gain	0dB

1.2 Mechanical Properties

Parameter	Description
Antenna Type	External Antenna
Material	ASA778T UV
Touch Type	Screw Type
Connector Type	SMA90 (Male)
Antenna Dimensions	OD9.4 x 127mm \pm 2
Antenna Color	Black
Operating Temperature Range	-40°C~+85°C
Storage Temperature Range	-40°C~+85°C

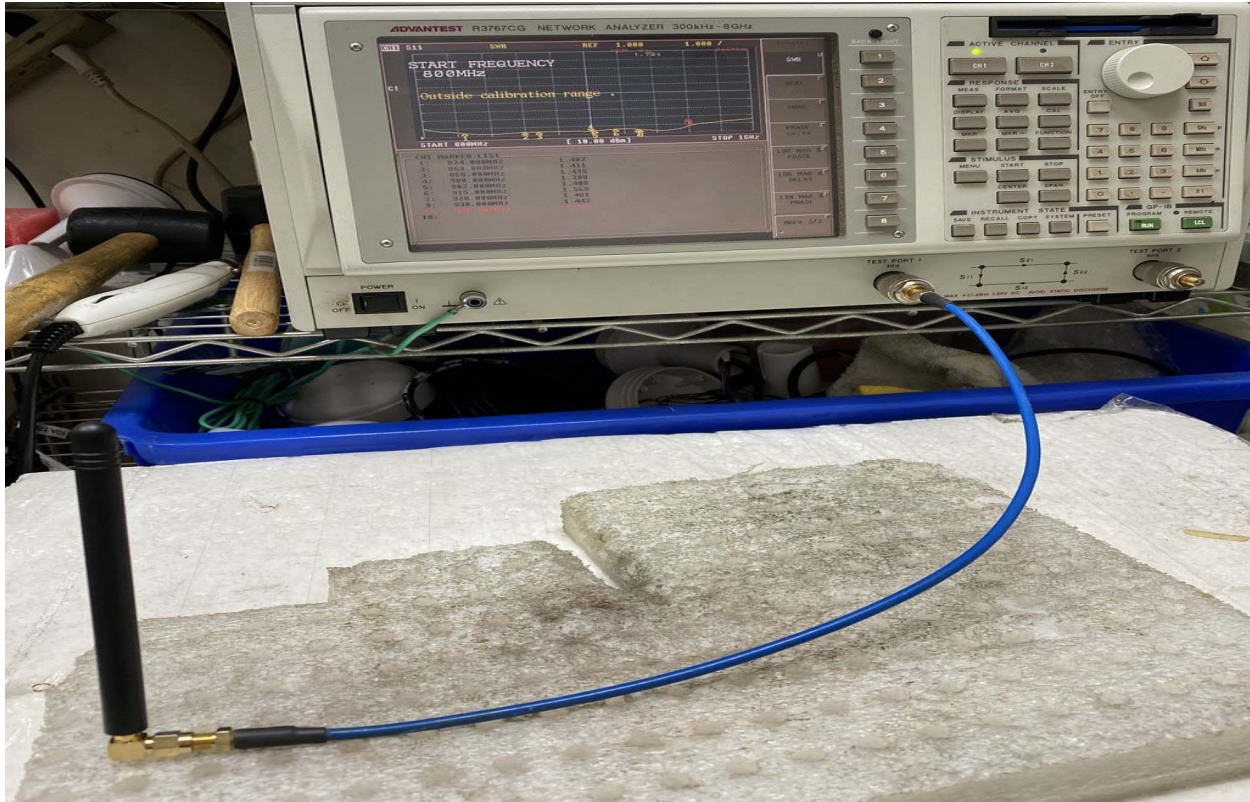
Waterproof

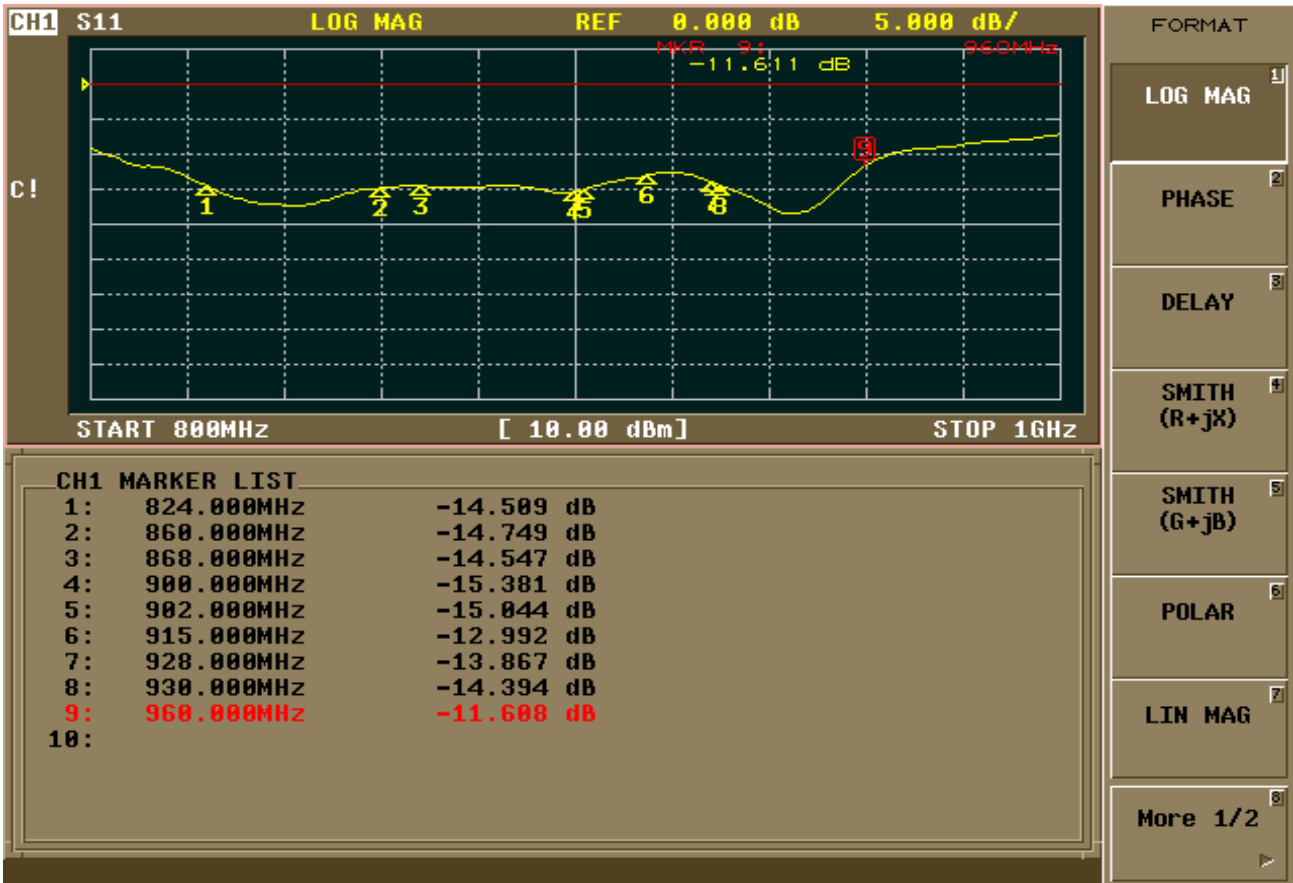
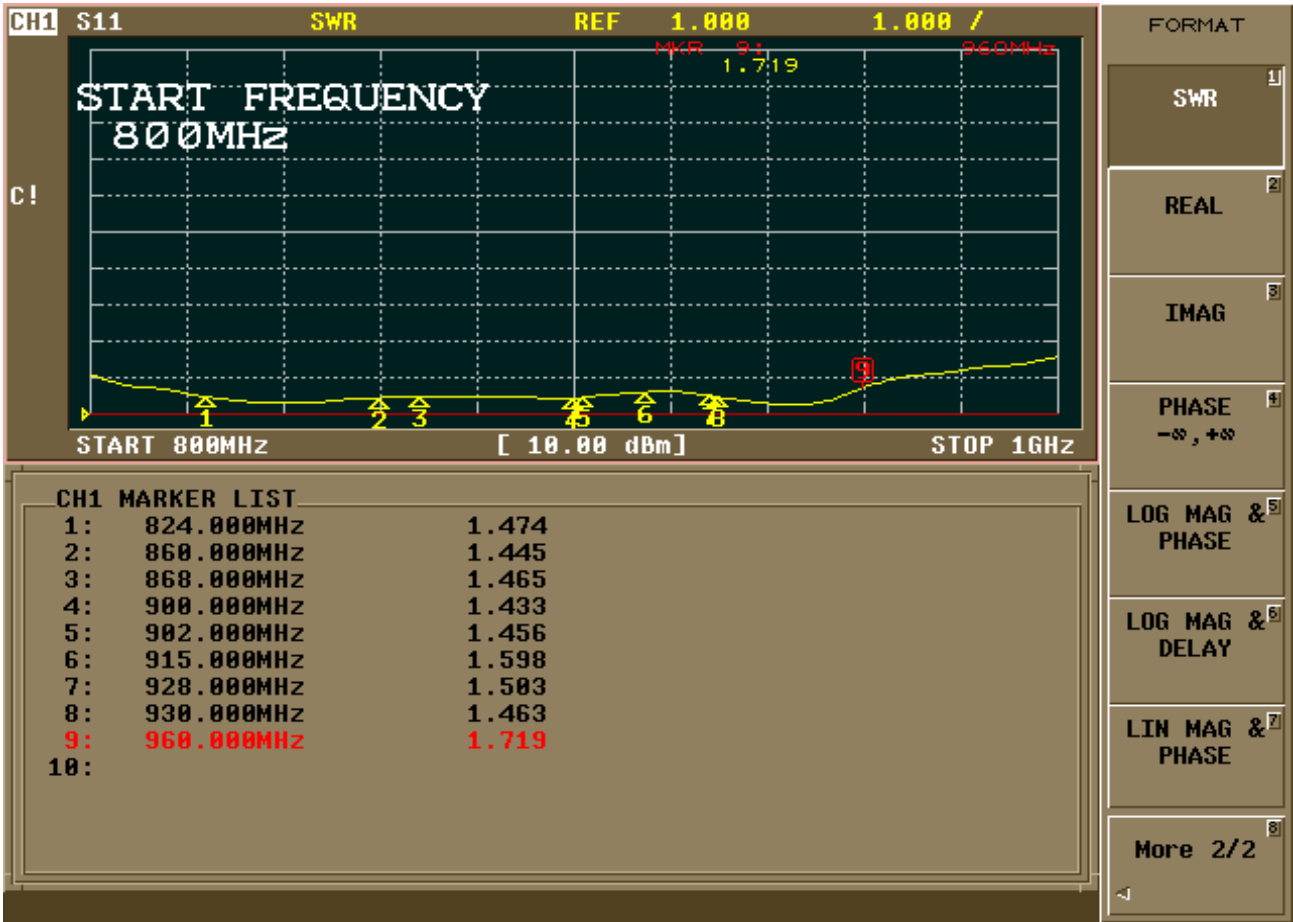
IPX7

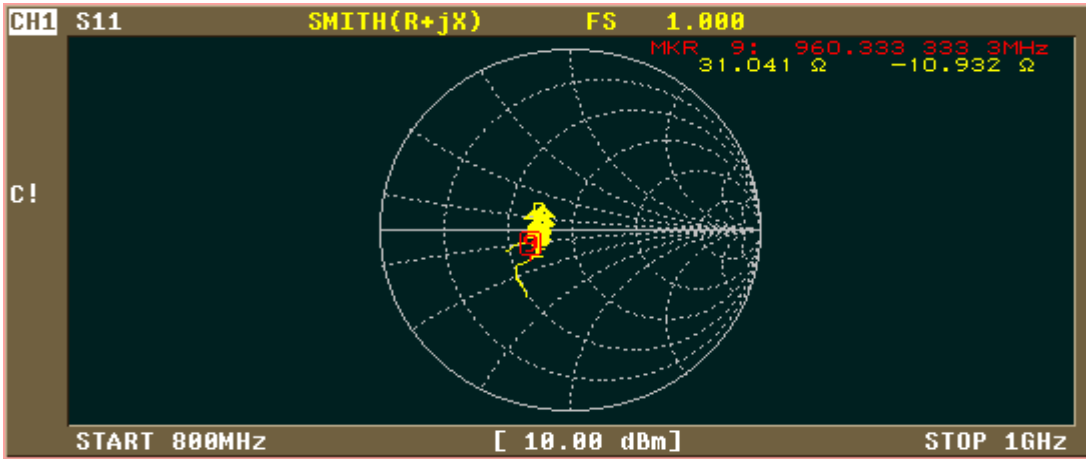


				百展科技有限公司		TEL: 886-2-86720160	
				BJTEK NAVIGATION INC		FAX: 886-2-86720161	
2 ANT. COVER		ASA-UV		TITLE: LTE ANTENNA FOR Test Tools		DWG NO.: TB881-LTE-SMA30(M)	
1 SMA90(M) CONN.		BRASS		TOLERANCE:		FINISH: SEE TABLE	
ITEM DESCRIPTION		MAT. L.	FINISH	ITEM No.	DATE: 2018.08.09		UNIT: MM
					MATERIAL: SEE TABLE		ISSUED:
					DRAWN: lotus		CHECKED: LOTUS

Test :







FORMAT

LOG MAG 1

PHASE 2

DELAY 3

SMITH (R+jX) 4

SMITH (G+jB) 5

POLAR 6

LIN MAG 7

More 1/2 8

CH1 MARKER LIST

1:	824.000MHz	35.236 Ω	556.699mΩ	107.526pH
2:	860.000MHz	35.760 Ω	4.050 Ω	749.692pH
3:	868.000MHz	35.772 Ω	6.154 Ω	1.128nH
4:	900.000MHz	37.488 Ω	6.205 Ω	1.097nH
5:	902.000MHz	36.756 Ω	5.890 Ω	1.039nH
6:	915.000MHz	33.199 Ω	8.013 Ω	1.393nH
7:	928.000MHz	36.296 Ω	10.371 Ω	1.778nH
8:	930.000MHz	36.977 Ω	9.723 Ω	1.664nH
9:	960.333MHz	30.996 Ω	-10.954 Ω	15.128pF
10:				