

RFID/Sigfox/ISM/LoRo UHF Antenna

MODEL: TH-900i



1.. GENERAL DESCRIPTION

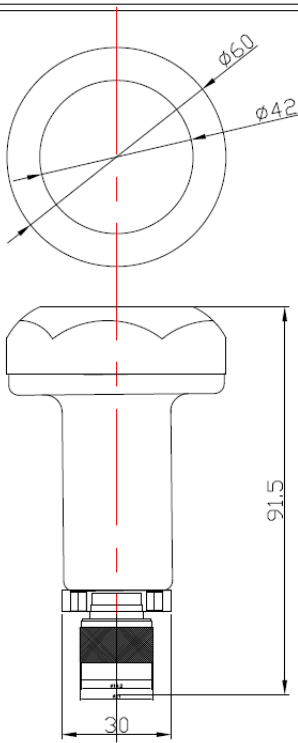
Model No
TH900i-N(M)

1.1 Electrical Properties

Parameter	Description
Frequency Band	860-960MHz
Nominal Impedance	50 ohm
Polarization	Vertical
V.S.W.R	2.0:1
Gain	3db

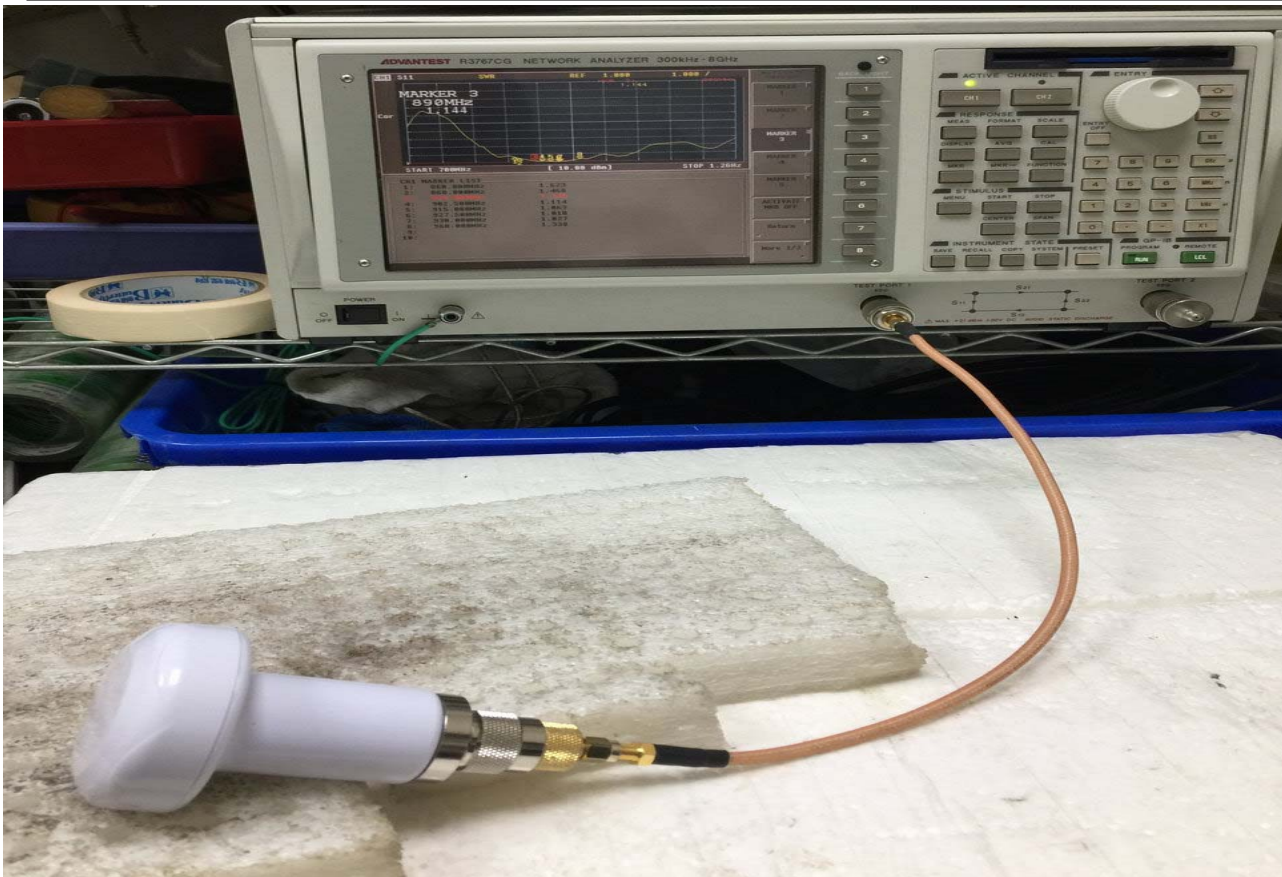
1.2 Mechanical Properties

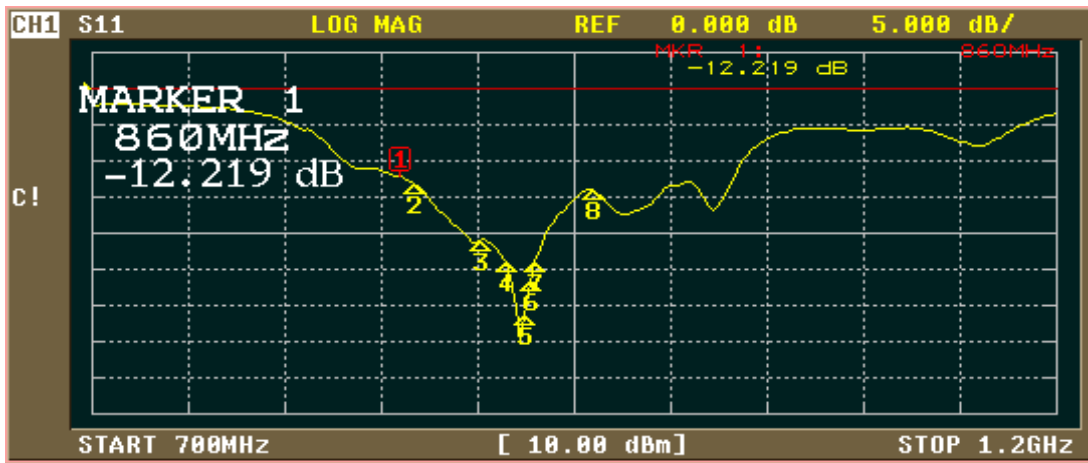
Parameter	Description
Antenna Type	External Antenna
Material	ASA-UV
Touch Type	Screw Type
Connector Type	N (M)
Antenna Dimensions	91.5mm
Antenna Color	White
Operating Temperature Range	-40°C~+80°C
Storage Temperature Range	-40°C~+80°C
Waterproof	IPX7



7				
6				
5				
4				
3				
2	White ASA-UV			
1	N(M) Connector			
ITEM	DESCRIPTION	MAT'L	FINISH	ITEM No.

百展科技有限公司 BJTEK NAVIGATION INC		TEL: 886-2-86720160	FAX: 886-2-86720161
TITLE: RFID/Sigfox/ISM/LoRa Antenna		DWG No.: TH0001-N(M)	
TOLERANCE: AS SPEC.		FINISH: SEE TABLE	DATE: 2018.12.10
MATERIAL: SEE TABLE		ISSUED: BILL	DRAWN: ALAN
		CHECKED: LOUIS	UNIT: MM





ACTIVATE MARKER

MARKER 6

MARKER 7

MARKER 8

MARKER 9

MARKER 10

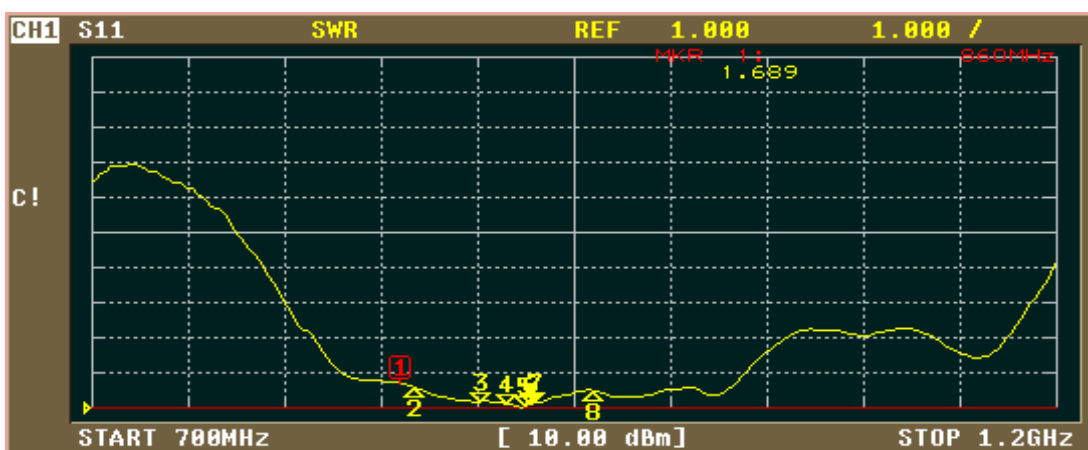
ACTIVATE MKR OFF

Return

More 2/2

CH1 MARKER LIST

1:	860.000MHz	-12.216 dB
2:	868.000MHz	-13.385 dB
3:	902.000MHz	-20.948 dB
4:	915.000MHz	-23.886 dB
5:	925.000MHz	-31.537 dB
6:	928.000MHz	-26.423 dB
7:	930.000MHz	-24.017 dB
8:	960.000MHz	-14.061 dB
9:		
10:		



FORMAT

SWR

REAL

IMAG

PHASE -∞, +∞

LOG MAG & PHASE

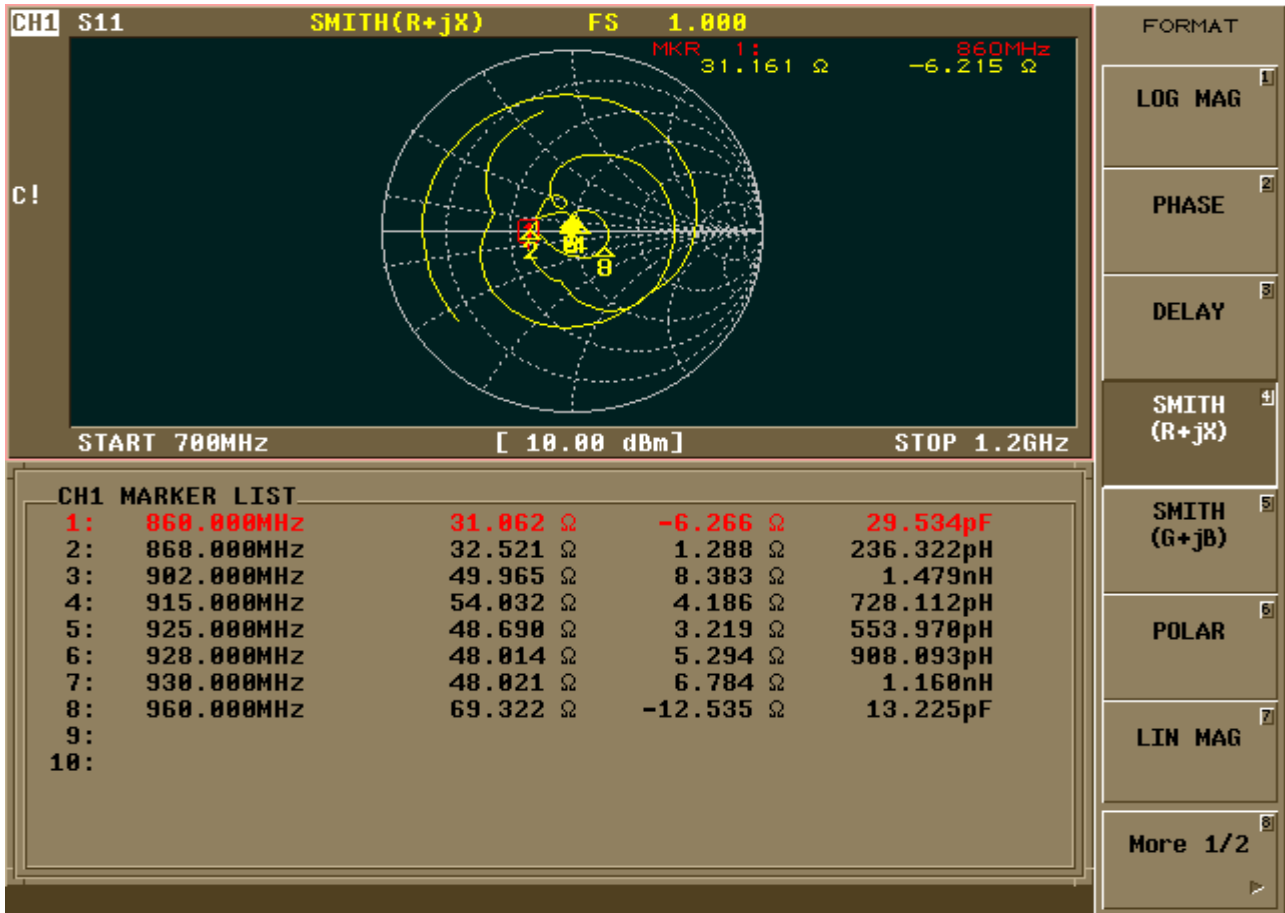
LOG MAG & DELAY

LIN MAG & PHASE

More 2/2

CH1 MARKER LIST

1:	860.000MHz	1.689
2:	868.000MHz	1.560
3:	902.000MHz	1.186
4:	915.000MHz	1.124
5:	925.000MHz	1.050
6:	928.000MHz	1.101
7:	930.000MHz	1.135
8:	960.000MHz	1.497
9:		
10:		



Frequency (MHz)	860	868	902	915	920	925	928	930	960
Peak Gain (dBi)	3.40	3.46	3.84	3.84	3.91	3.82	3.77	3.81	4.04
Efficiency (%)	56.34	57.10	58.73	58.01	58.53	57.61	57.41	58.07	60.68

