

# UHF Antenna

**MODEL: TH-405**



## 1. GENERAL DESCRIPTION

Model No
TH405-SMA(M)

Below is a table summarizing the antenna design specification.

### 1.1 Electrical Properties

Parameter	Description
Frequency Band	390~420MHz ( Fo:405Mhz) ON GND
Nominal Impedance	50 ohm
Polarization	Vertical
Return Loss	Please See Data-1
V.S.W.R	2.0 : 1
Gain	0-3db



### 1.2 Mechanical Properties

Parameter	Description
Antenna Type	External Antenna
Antenna Material	ASA-UV
Touch Type	Screw Type
Connector Type	SMA 180°(Male) OD10.0mm
Antenna Dimensions	OD9.3 x 128.5mm ±0.5
Antenna Color	Black
Operating Temperature Range	-40°C~+80°C
Storage Temperature Range	-40°C~+80°C

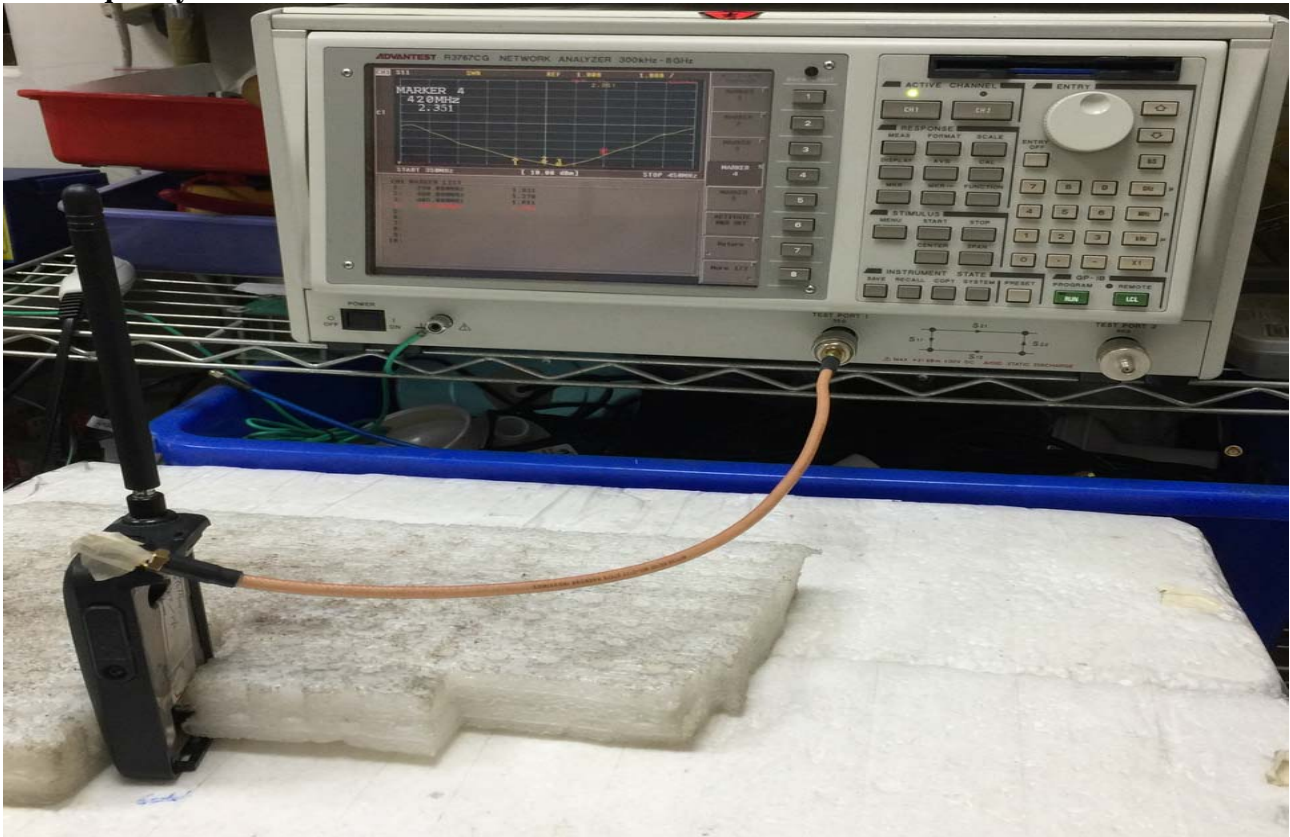
## 2. Appearance

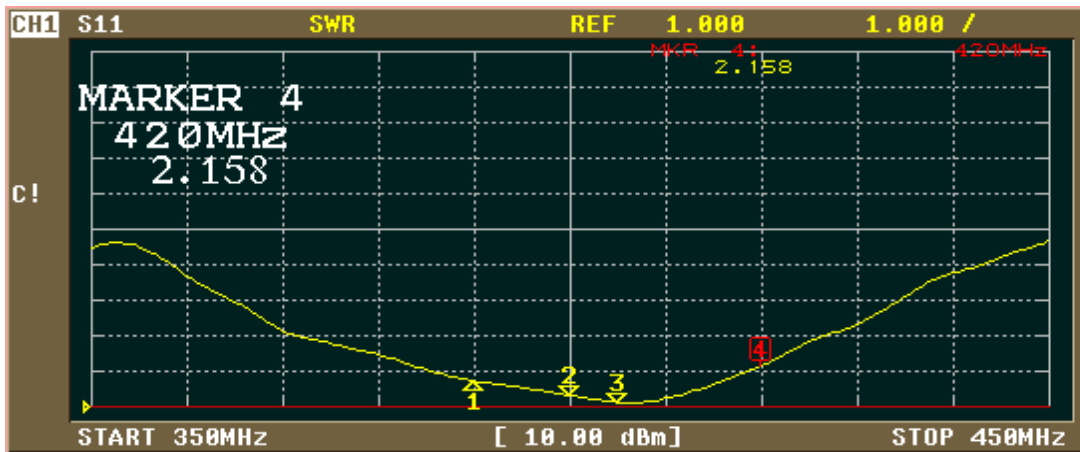
NO.	NAME	Q, TY
01	ASA-UV Tube	01
02	SMA(M)	01



  Third angle projection		CUSTOMER' S	MODEL	PARTS NUMBER	FREQUENCY	UNIT	SCALE	DATE	VERSION
			TH-405			M/M		20190219	1
		TOLERANCE	X. XX±0. 15	NAME	PARTS NUMBER	APPROVED	CHECKED	DRAWING	DESIGNED
		SURFACE ROUGHNESS	$\sqrt{\text{S}}$	APPEARANCE					

## 3. Frequency





CH1 MARKER LIST

1:	390.000MHz	1.722
2:	400.000MHz	1.313
3:	405.000MHz	1.126
4:	420.000MHz	2.156
5:		
6:		
7:		
8:		
9:		
10:		

ACTIVATE MARKER

MARKER 1

MARKER 2

MARKER 3

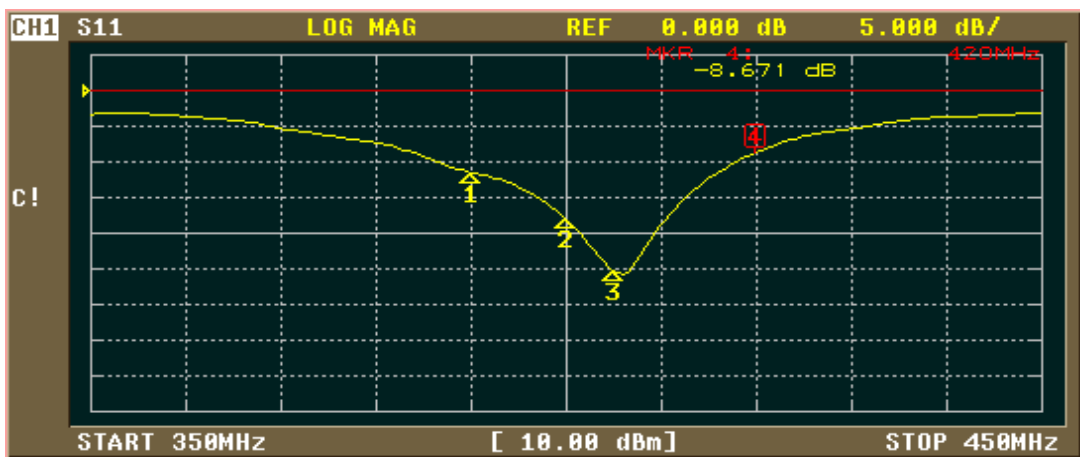
MARKER 4

MARKER 5

ACTIVATE MKR OFF

Return

More 1/2



CH1 MARKER LIST

1:	390.000MHz	-11.247 dB
2:	400.000MHz	-17.813 dB
3:	405.000MHz	-25.047 dB
4:	420.000MHz	-8.786 dB
5:		
6:		
7:		
8:		
9:		
10:		

FORMAT

LOG MAG

PHASE

DELAY

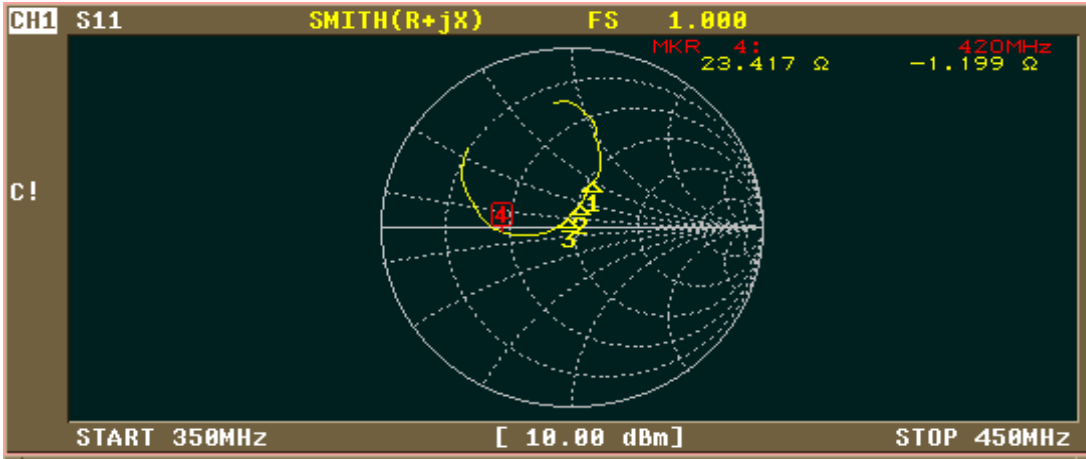
SMITH (R+jX)

SMITH (G+jB)

POLAR

LIN MAG

More 1/2



CH1 MARKER LIST

1:	390.000MHz	53.649 Ω	28.374 Ω	11.579nH
2:	400.000MHz	52.584 Ω	13.485 Ω	5.365nH
3:	405.000MHz	48.114 Ω	5.391 Ω	2.118nH
4:	420.000MHz	23.448 Ω	-1.219 Ω	310.689pF
5:				
6:				
7:				
8:				
9:				
10:				

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