

# UHF Antenna

**MODEL: TH-460E**



## 1. GENERAL DESCRIPTION

Model No
TH460E-SMA(M)

Below is a table summarizing the antenna design specification.

### 1.1 Electrical Properties

Parameter	Description
Frequency Band	440~480MHz ( Fo:460Mhz) 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

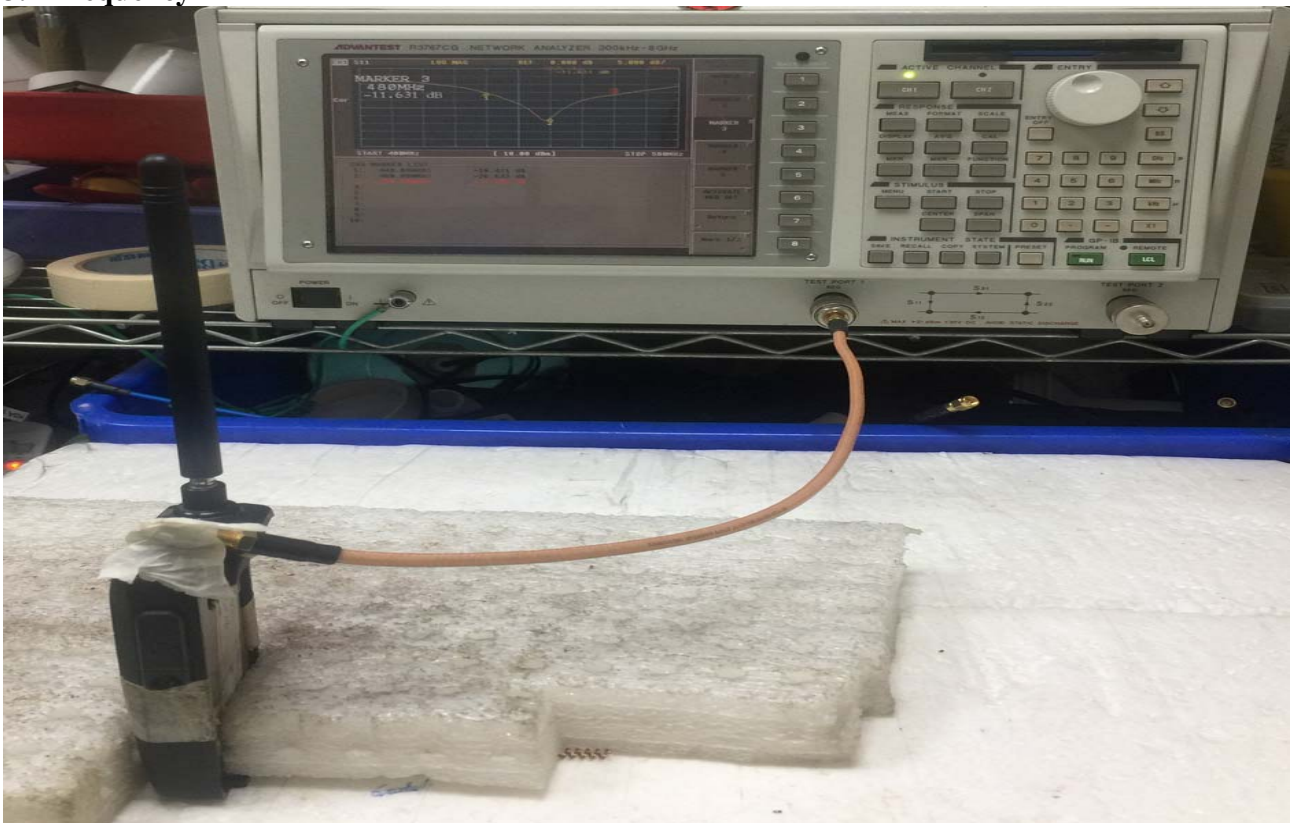
## 2. Appearance

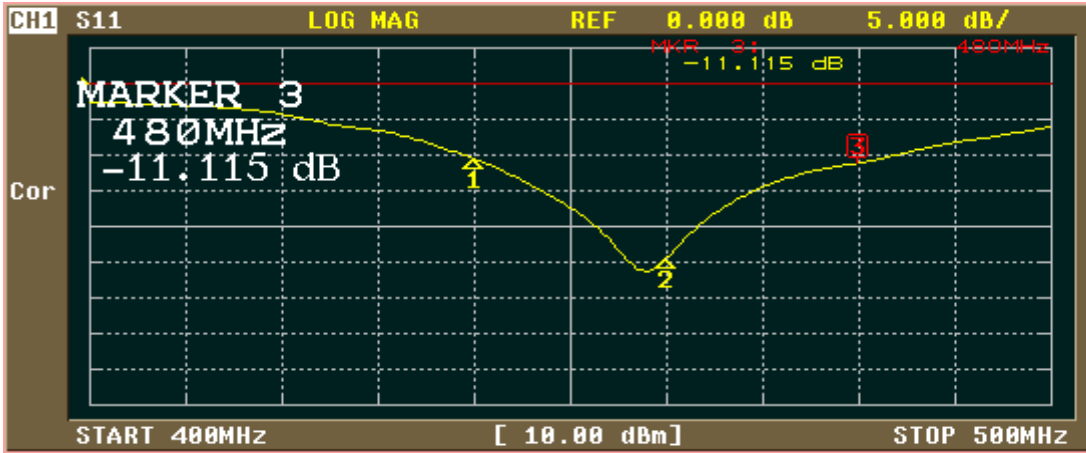
NO.	NAME	Q, TY
01	ASA-UV Tube	01
02	SMA(M)	01



 Third angle projection	CUSTOMER'S	MODEL	PARTS NUMBER	FREQUENCY	UNIT	SCALE	DATE	VERSION
			TH-460E			M/M		20190215
	TOLERANCE	X. XX±0. 15	NAME	PARTS NUMBER	APPROVED	CHECKED	DRAWING	DESIGNED
	SURFACE ROUGHNESS		APPEARANCE					

## 3. Frequency





CH1 MARKER LIST

1:	440.000MHz	-10.619 dB
2:	460.000MHz	-24.529 dB
3:	480.000MHz	-11.115 dB
4:		
5:		
6:		
7:		
8:		
9:		
10:		

ACTIVATE MARKER

MARKER 1

MARKER 2

MARKER 3

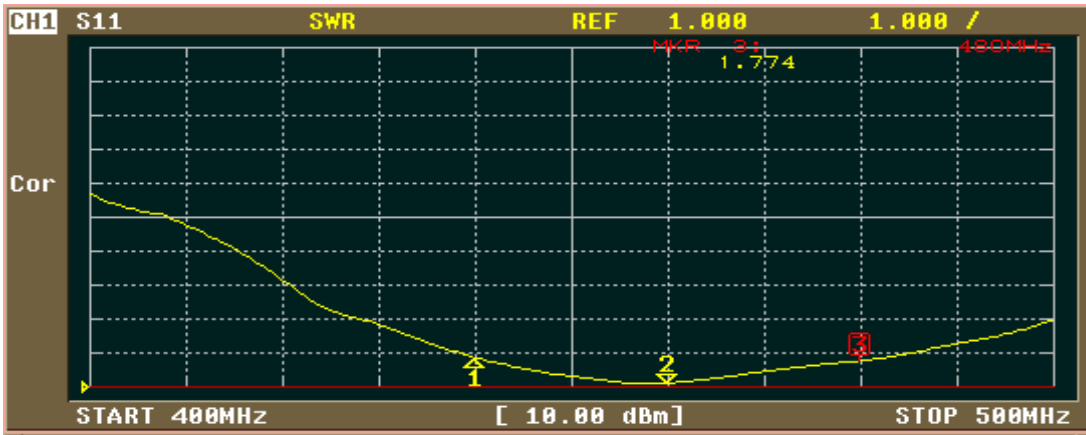
MARKER 4

MARKER 5

ACTIVATE MKR OFF

Return

More 1/2



CH1 MARKER LIST

1:	440.000MHz	1.865
2:	460.000MHz	1.114
3:	480.000MHz	1.765
4:		
5:		
6:		
7:		
8:		
9:		
10:		

FORMAT

SWR

REAL

IMAG

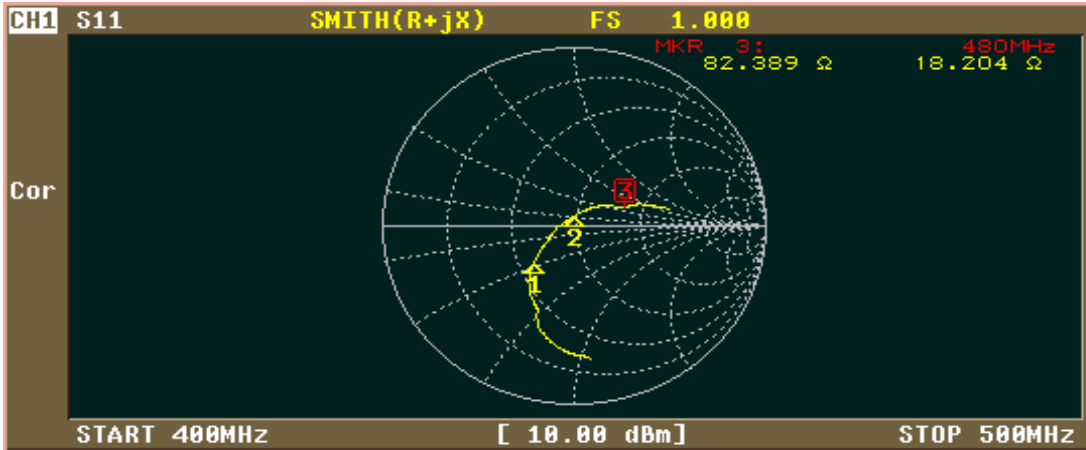
PHASE  
-∞, +∞

LOG MAG & PHASE

LOG MAG & DELAY

LIN MAG & PHASE

More 2/2



CH1 MARKER LIST

1:	440.000MHz	30.461 Ω	-14.230 Ω	25.417pF
2:	460.000MHz	49.774 Ω	5.347 Ω	1.850nH
3:	480.000MHz	82.081 Ω	18.588 Ω	6.163nH
4:				
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