

UHF Antenna

MODEL: TH-425



1. GENERAL DESCRIPTION

Model No
TH425-RPSMA(M)

Below is a table summarizing the antenna design specification.

1.1 Electrical Properties

Parameter	Description
Frequency Band	412~437MHz (Fo:425Mhz)
Nominal Impedance	50 ohm
Polarization	Vertical
Return Loss	Please See Data-1
V.S.W.R	3.0 : 1
Gain	0-3db

1.2 Mechanical Properties

Parameter	Description
Antenna Type	External Antenna
Antenna Material	ASA-UV
Touch Type	Screw Type
Connector Type	RP-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

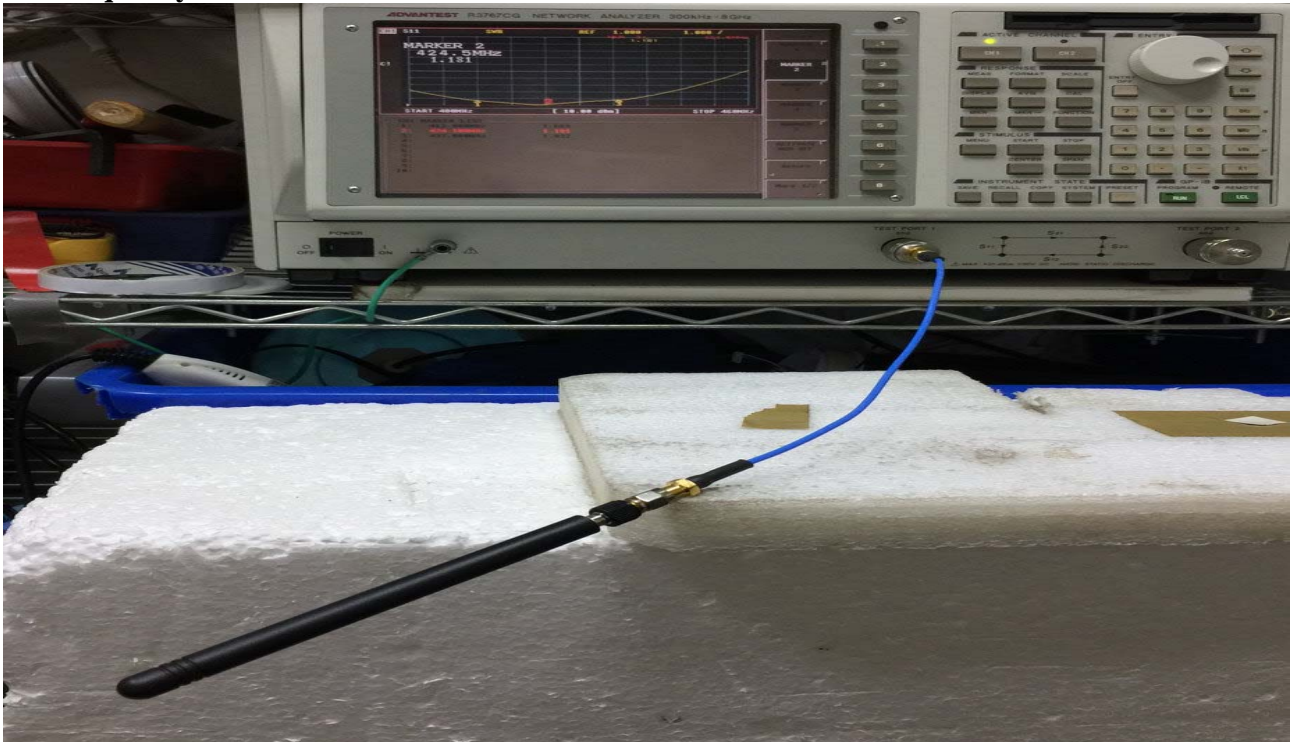
2. Appearance

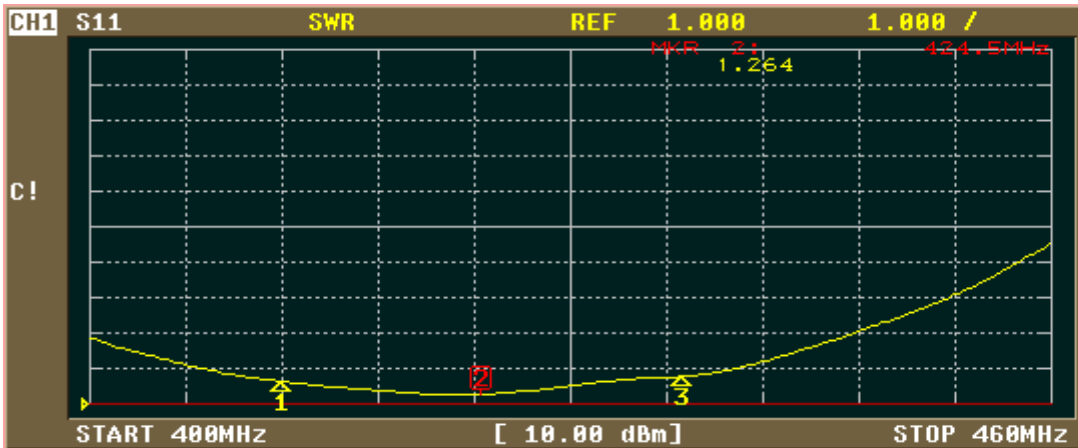
NO.	NAME	Q, TY
01	ASA-UV Tube	01
02	SMA(M)	01



Third angle projection		CUSTOMER'S	MODEL	PARTS NUMBER	FREQUENCY	UNIT	SCALE	DATE	VERSION
			TH-425			M/M		20160727	1
		TOLERANCE	X. XX±0.15	NAME	PARTS NUMBER	APPROVED	CHECKED	DRAWING	DESIGNED
		SURFACE ROUGHNESS	\sqrt{S}	APPEARANCE					

3. Frequency





CH1 MARKER LIST

1:	412.000MHz	1.634
2:	424.500MHz	1.264
3:	437.000MHz	1.772
4:		
5:		
6:		
7:		
8:		
9:		
10:		

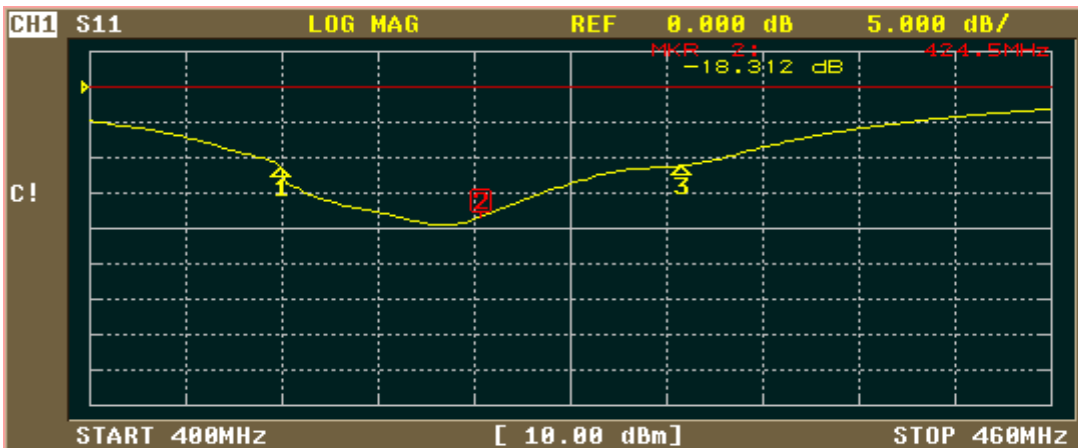
DISPLAY

DISPLAY DATA 1

DISPLAY MEMORY 2

DISPLAY DATA&MEM 3

Return 8



CH1 MARKER LIST

1:	412.000MHz	-13.492 dB
2:	424.500MHz	-18.312 dB
3:	437.000MHz	-11.196 dB
4:		
5:		
6:		
7:		
8:		
9:		
10:		

FORMAT

LOG MAG 1

PHASE 2

DELAY 3

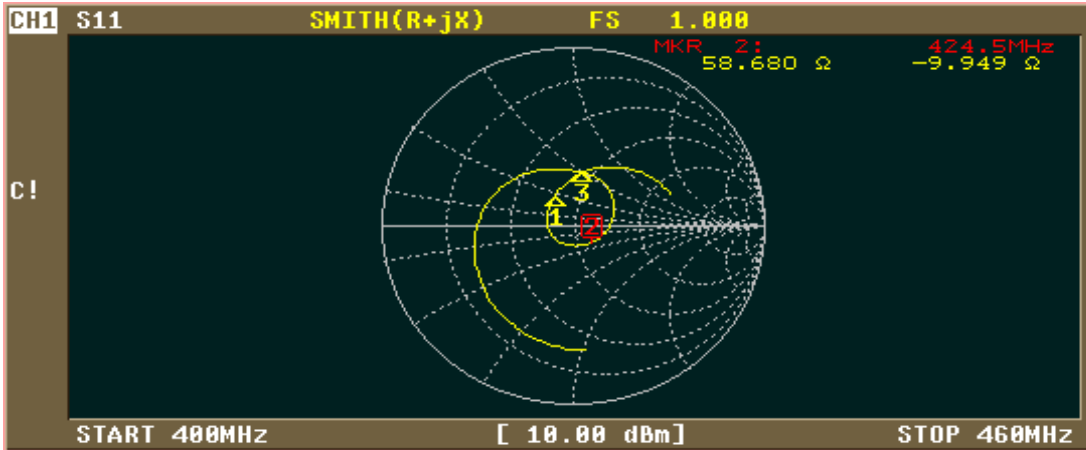
SMITH (R+jX) 4

SMITH (G+jB) 5

POLAR 6

LIN MAG 7

More 1/2 8



FORMAT

LOG MAG

PHASE

DELAY

SMITH (R+jX)

SMITH (G+jB)

POLAR

LIN MAG

More 1/2

CH1 MARKER LIST

1:	412.000MHz	39.217 Ω	15.199 Ω	5.871nH
2:	424.500MHz	58.680 Ω	-9.949 Ω	37.681pF
3:	437.000MHz	45.028 Ω	27.598 Ω	10.051nH
4:				
5:				
6:				
7:				
8:				
9:				
10:				