

VHF AIS Antenna

MODEL: TH-162B



1.. GENERAL DESCRIPTION

Model No	P/N
TH-162B	TH162B-SMA(M) or RP-SMA(M)

Below is a table summarizing the antenna design specification.

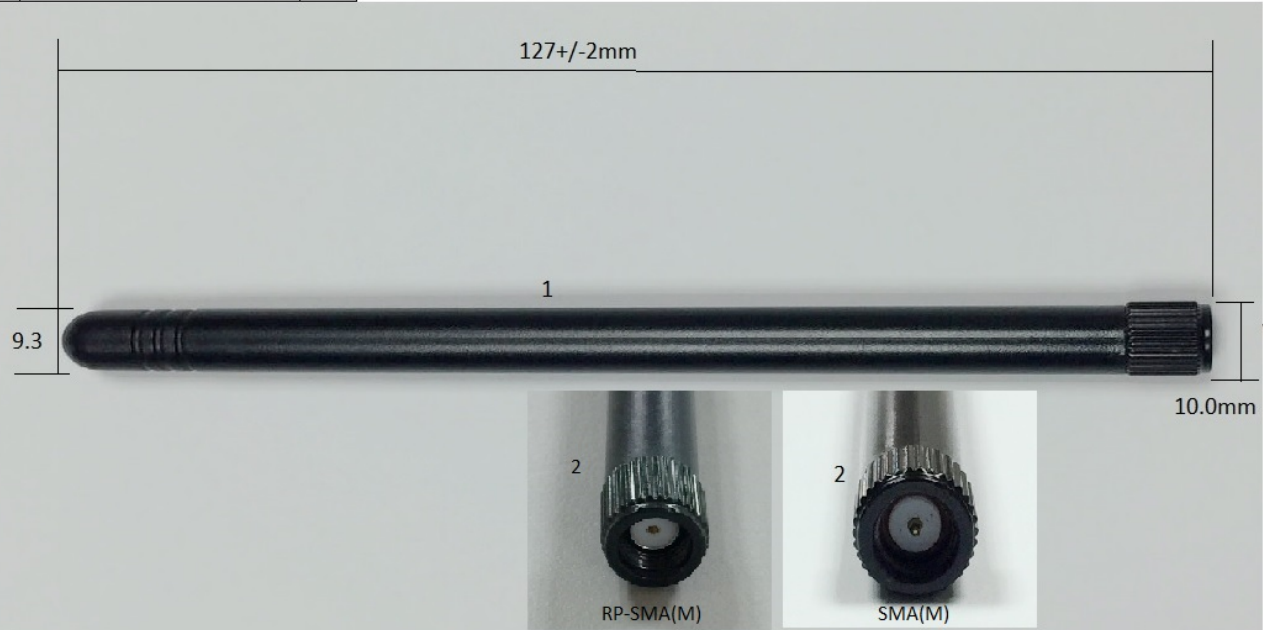
1.1 Electrical Properties

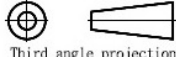
Parameter	Description
Frequency Band	160~164 MHz (Fo:162Mhz)
Nominal Impedance	50 ohm
Polarization	Vertical
Electrical Wave	1 /4 λ
Admitted Power radiation	1W
V.S.W.R	2.0:1 Max

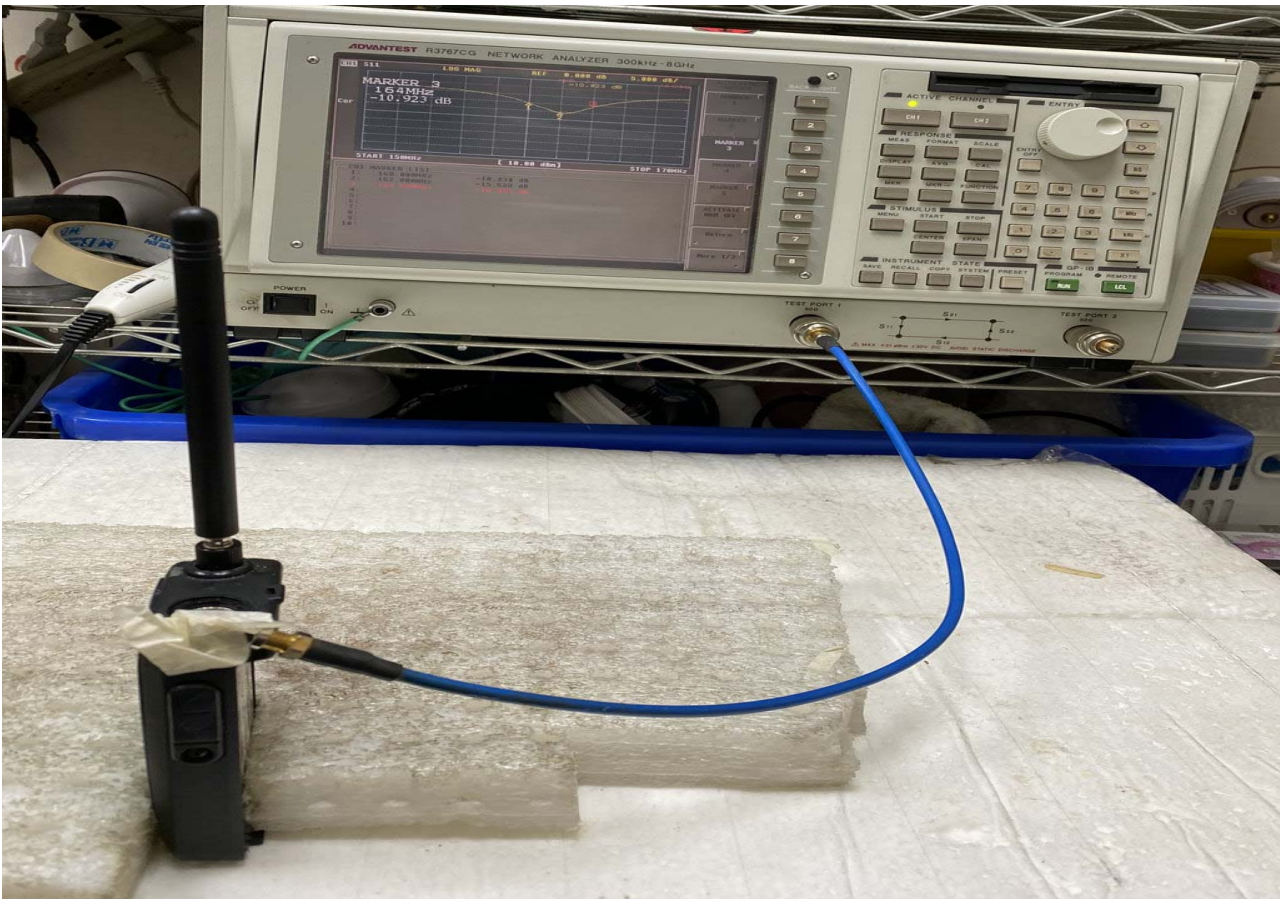
1.2 Mechanical Properties

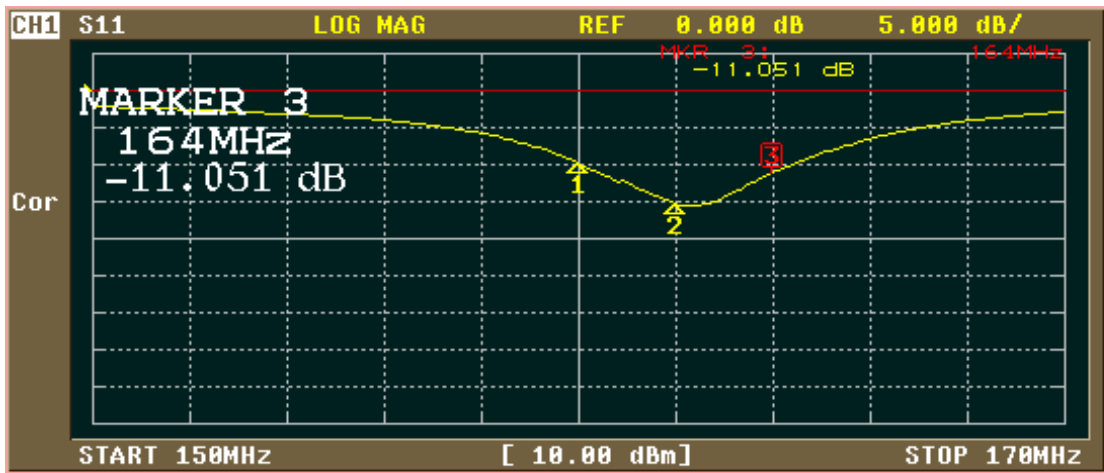
Parameter	Description
Antenna Type	External Antenna
Material	ASA778T UV
Touch Type	Screw Type
Connector Type	SMA(M) OR RP-SMA(M)
Antenna Dimensions	OD9.3 x 127mm \pm 2
Antenna Color	Black
Operating Temperature Range	-40°C~+80°C
Storage Temperature Range	-40°C~+80°C
Waterproof	IPX7

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



 Third angle projection	CUSTOMER'S	MODEL	PARTS NUMBER	FREQUENCY	UNIT	SCALE	DATE	VERSION
			TH-162B		160~164MHZ	M/M		20200406
	TOLERANCE	X. XX±0.15	NAME	PARTS NUMBER	APPROVED	CHECKED	DRAWING	DESIGNED
	SURFACE ROUGHNESS	\sqrt{S}	APPEARANCE					





CH1 MARKER LIST

1:	160.000MHz	-9.774 dB
2:	162.000MHz	-15.287 dB
3:	164.000MHz	-11.051 dB
4:		
5:		
6:		
7:		
8:		
9:		
10:		

ACTIVATE MARKER

MARKER 1

MARKER 2

MARKER 3

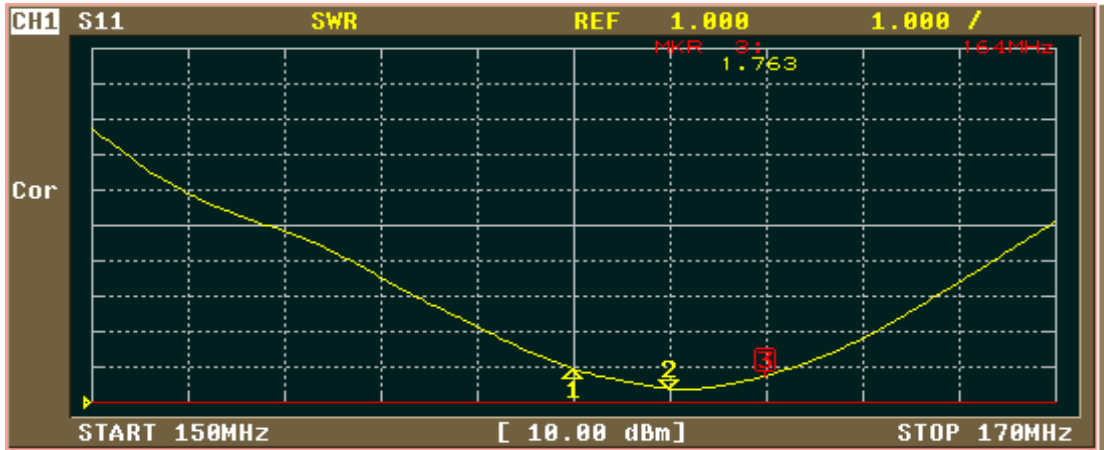
MARKER 4

MARKER 5

ACTIVATE MKR OFF

Return

More 1/2



CH1 MARKER LIST

1:	160.000MHz	1.943
2:	162.000MHz	1.396
3:	164.000MHz	1.763
4:		
5:		
6:		
7:		
8:		
9:		
10:		

FORMAT

SWR

REAL

IMAG

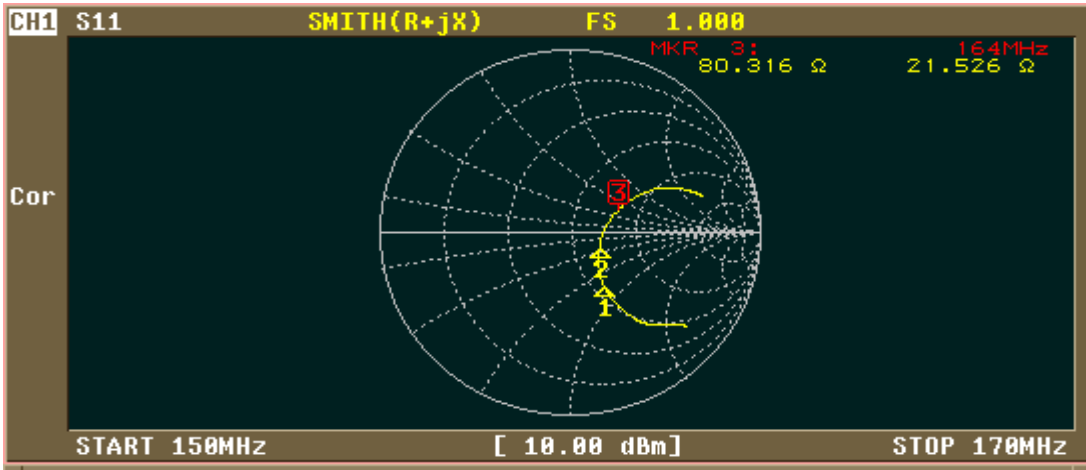
PHASE
-∞, +∞

LOG MAG & PHASE

LOG MAG & DELAY

LIN MAG & PHASE

More 2/2



- FORMAT
- LOG MAG
 - PHASE
 - DELAY
 - SMITH (R+jX)
 - SMITH (G+jB)
 - POLAR
 - LIN MAG
 - More 1/2

CH1 MARKER LIST

1:	160.000MHz	57.882 Ω	-38.055 Ω	26.138pF
2:	162.000MHz	66.813 Ω	-11.270 Ω	87.170pF
3:	164.000MHz	80.228 Ω	21.590 Ω	20.952nH
4:				
5:				
6:				
7:				
8:				
9:				
10:				