

Marine VHF/AIS Antenna

Model : MVA1400G



1. GENERAL DESCRIPTION

Model No
MVA1400G-N(F)

1.1 Electrical Properties

Parameter	Description
Frequency Band	138~165 MHz
Nominal Impedance	50 ohm
Polarization	Vertical
Return Loss	Please See Data-1
V.S.W.R	2.0:1

1.2 Mechanical Properties

Parameter	Description
Antenna Type	Base Antenna
Antenna Cover	Fiber
Connector Type	N (Female)
Antenna Dimensions	1380mm ±50
Antenna Color	White
Operating Temperature Range	-20°C~+60°C
Storage Temperature Range	-30°C~+70°C

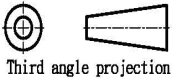
2. Appearance

NO.	NAME	Q, TY
01	Fiberglass	01
02	Top cap	01
03	N (Female)	01
04	Rigid joint	01
05	Connecting vopper pipe	01

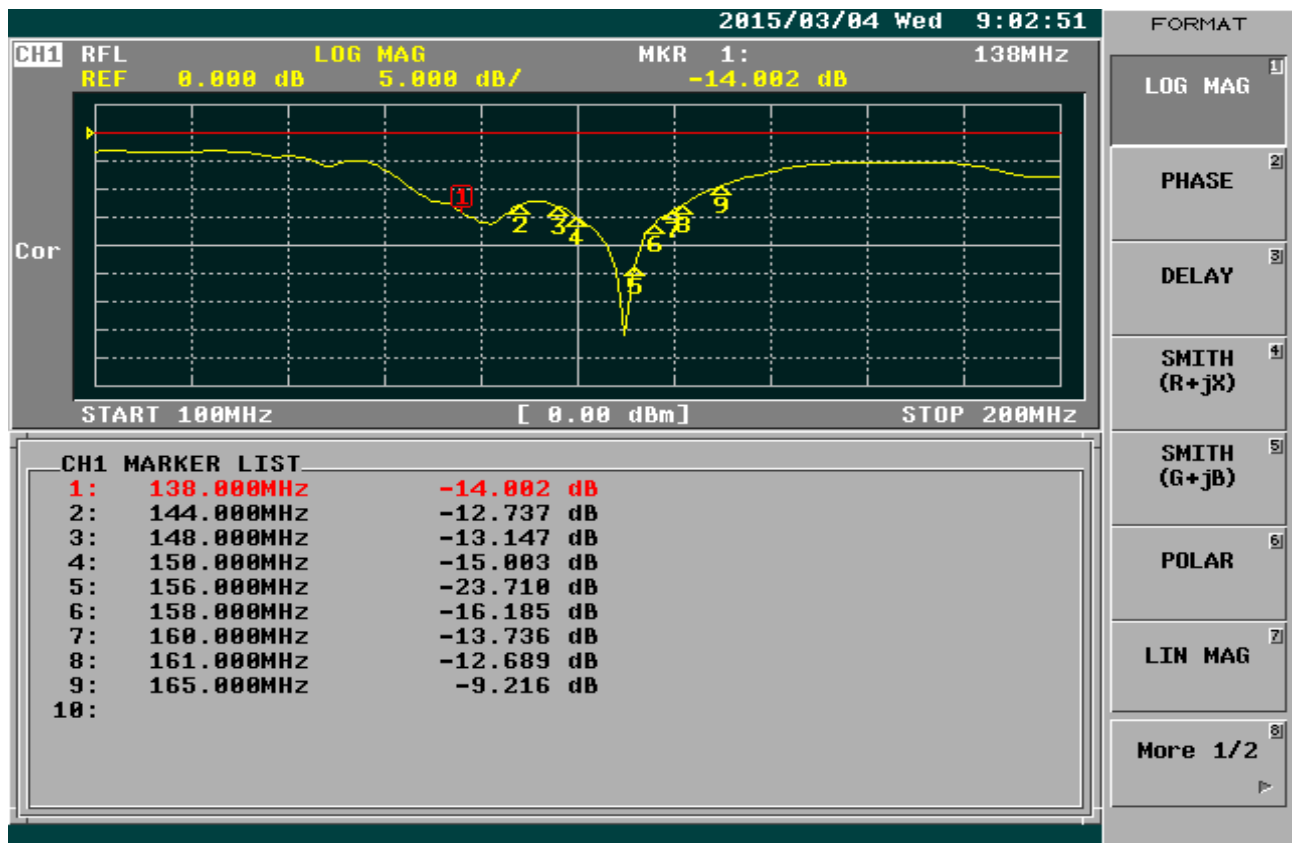
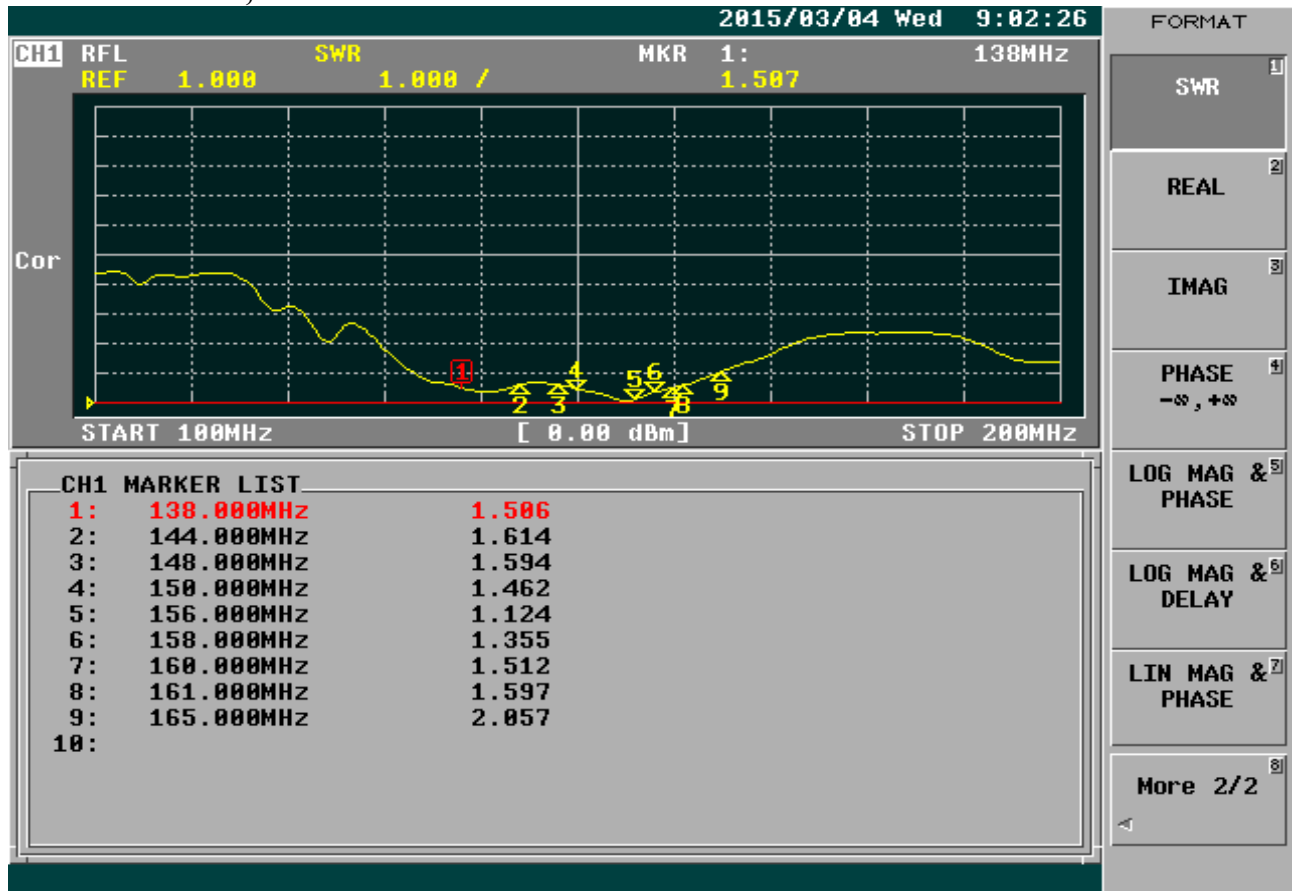
⇒ G1"-11

⇒ 1"-14

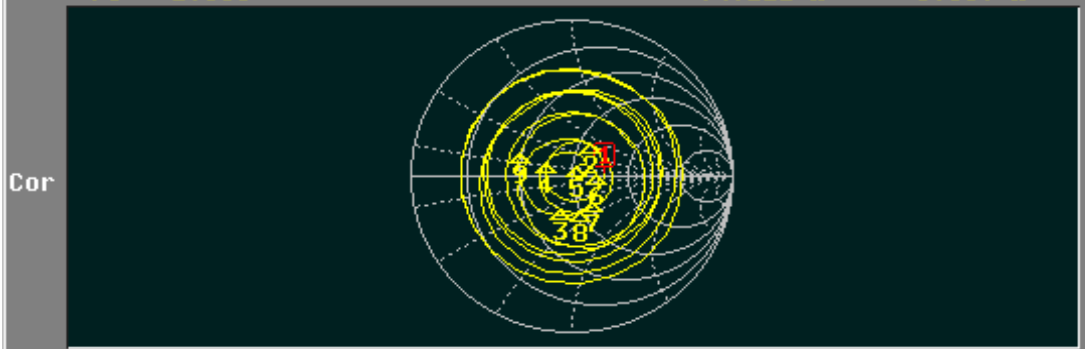
FREQUENCY: 138~165MHz

 Third angle projection	CUSTOMER' S	MODEL	PARTS NUMBER	FREQUENCY	UNIT	SCALE	DATE	VERSION
						M/M		20150204
	TOLERANCE	X. XX±0. 15	NAME	PARTS NUMBER	APPROVED	CHECKED	DRAWING	DESIGNED
	SURFACE ROUGHNESS	$\frac{S}{\sqrt{\nabla}}$	APPEARANCE	YG-27H				

3. Return Loss, V.S.W.R. and Smith Chart



CH1 RFL SMITH(R+jX) MKR 1: 138MHz
 FS 1.000 74.112 Ω 3.687 Ω



START 100MHz [0.00 dBm] STOP 200MHz

CH1 MARKER LIST

1:	138.000MHz	74.118 Ω	3.527 Ω	4.068nH
2:	144.000MHz	56.421 Ω	24.534 Ω	27.116nH
3:	148.000MHz	39.800 Ω	-17.804 Ω	60.398pF
4:	150.000MHz	35.582 Ω	6.349 Ω	6.737nH
5:	156.000MHz	52.113 Ω	5.780 Ω	5.897nH
6:	158.000MHz	67.919 Ω	2.023 Ω	2.038nH
7:	160.000MHz	61.186 Ω	-20.184 Ω	49.281pF
8:	161.000MHz	49.484 Ω	-23.621 Ω	41.850pF
9:	165.000MHz	25.118 Ω	8.330 Ω	8.035nH
10:				

FORMAT

LOG MAG

PHASE

DELAY

SMITH
(R+jX)

SMITH
(G+jB)

POLAR

LIN MAG

More 1/2