

Marine GPS/ VHF Antenna

MODEL: GVA-620P

FOR Marine VHF Radio & AIS SYSTEM & Orbcomm



GPS antenna Specifications: GA62P

Specifications	
Antenna Element	
Center Frequency	1575.42 MHz +/-1.023 MHz
Polarization	R.H.C.P. (Right Handed Circular Polarization)
Absolute Gain @ Zenith	+5 dBi typical Based on 70x70mm ground plane
Gain @ 10° Elevation	-1 dBi typical
Axial Ratio	3 dB max.
Output VSWR	1.5:1 Typ.
Output Impedance	50 ohm
Low Noise Amplifier	
Center Frequency	1575.42 MHz +/- 1.023 MHz
Power Gain	38db(3V) / 45db(5V) (Without cable +25°C±10°C)
Bandwidth	10 MHz min.
Noise Figure	1.6 Typ.
Outer Band Attenuation	20 dB min. @ Fo +/-50 MHz
Supply Voltages	3.0~5.0V DC
Current Consumption	21mA@ 3.0V DC,25mA@ 5.0V DC
VSWR	1.5 max.
Output Impedance	50 ohm
Overall Performance: (antenna element, LNA & coax cable)	
Center Frequency	1575.42 MHz
Gain	38db(3V) / 45db(5V) (Without cable +25°C±10°C)
Noise Figure	2.0 max.
Bandwidth	10 MHz min.
Axial Ratio	3 dB max.
VSWR	1.5 max.
Output Impedance	50 ohm
Environmental Conditions	
Operating Temperature	-30°C to +80°C

Storage Temperature	-40°C to +100°C	https://www.bjnav.com/
Relative Humidity	40% to 95% non-condensing	
Water Resistance	100% waterproof	
Physical Constructions		
Dimensions	Antenna : 60mm(Dia.) × 18.5mm(H)	
Weight	65 grams (without cable)	
Standard Mounting	Bulkhead mount with 0.8 inch threaded wing nut (standard accessory).	
Cable & Connector		
RF Connector	SMA(F) or TNC(F)	
Cable Pulling strength	6 Kg @ 5sec. molded plastic on connector end for strain relief.	

Marine VHF Antenna Specifications: MVA-1400B

Marine VHF ANTENNA	
Fr :	156 ~ 165 Mhz
Gain:	3 ~6dB
Configuration :	1/2 wave
VSWR	2.0:1
Impedence:	50 ohm
Connector:	PL259(F) or N (F)
Ground	without
Dimension:	1380mm
Weight:	1Kg

* This specification is subject to change without prior notice

Data Updated: FEB.05, 2010



Technical drawing showing various views of a GPS receiver assembly. Dimensions include diameters of 60, 42, 22, 53, 52, 42, 32, 26, 2, 53, 53, and a length of 19.5. A detail view shows a diameter of 21.50 and a length of 7.15. Another detail view shows a diameter of 20. Part numbers 1 through 7 are indicated for different components.

7	Copper screw nut
6	White revertex screw nut - PA777D plastic +UV
5	White xi rubber against water cushion
4	White PA777D plastic + UV
3	Zinc alloy base
2	Zinc alloy base
1	SMC Connector

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 77777: GPS Permanent Mount Antenna BORG MBL: GMS-01A(C) & GMS-01A(C)
 TOLERANCE: AS SPEC. FINISH: SEE TABLE DATE: 2008.04.28 DWTY: MEI
 MATERIAL: SEE TABLE FINISH: BILL DRAWN: ALAN CHECKED: LOUIS

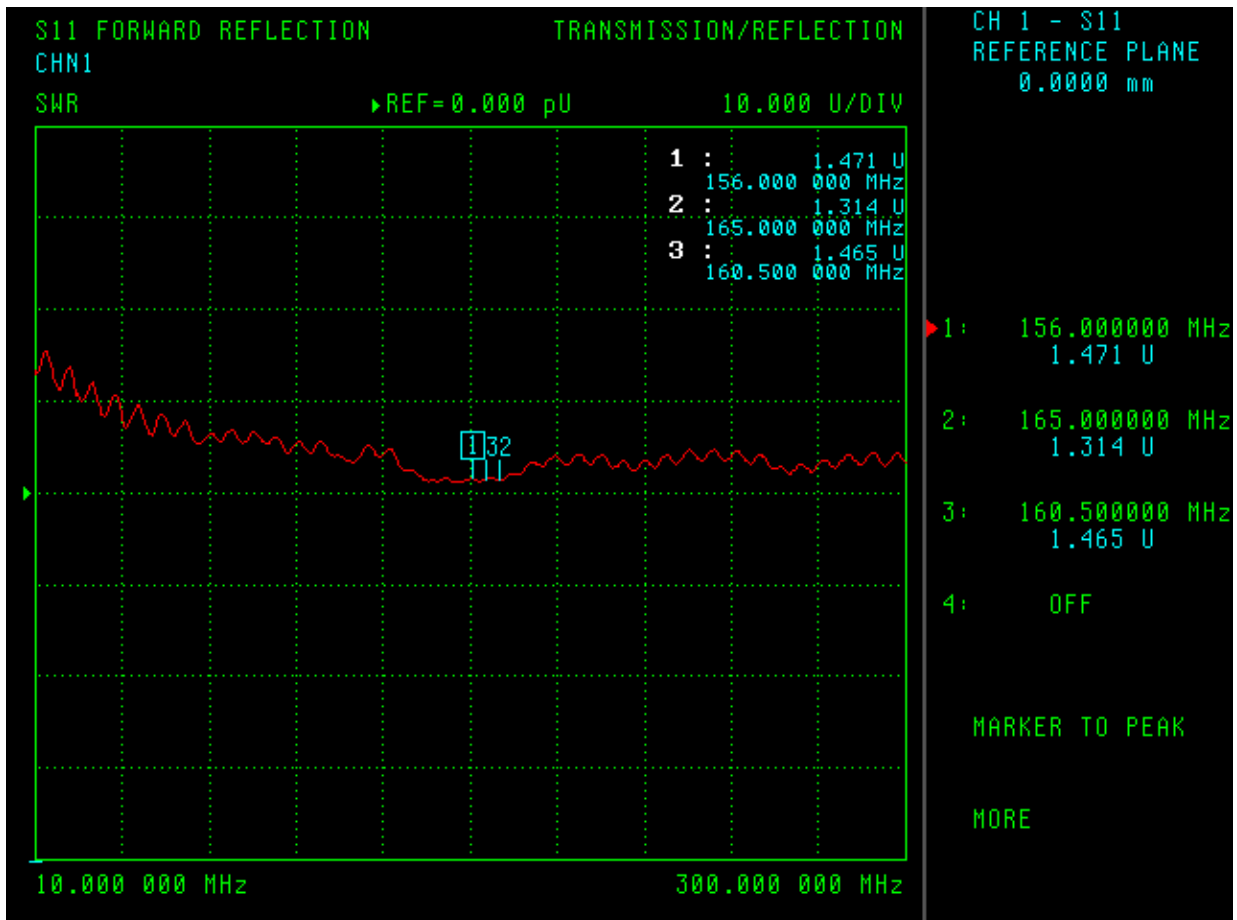
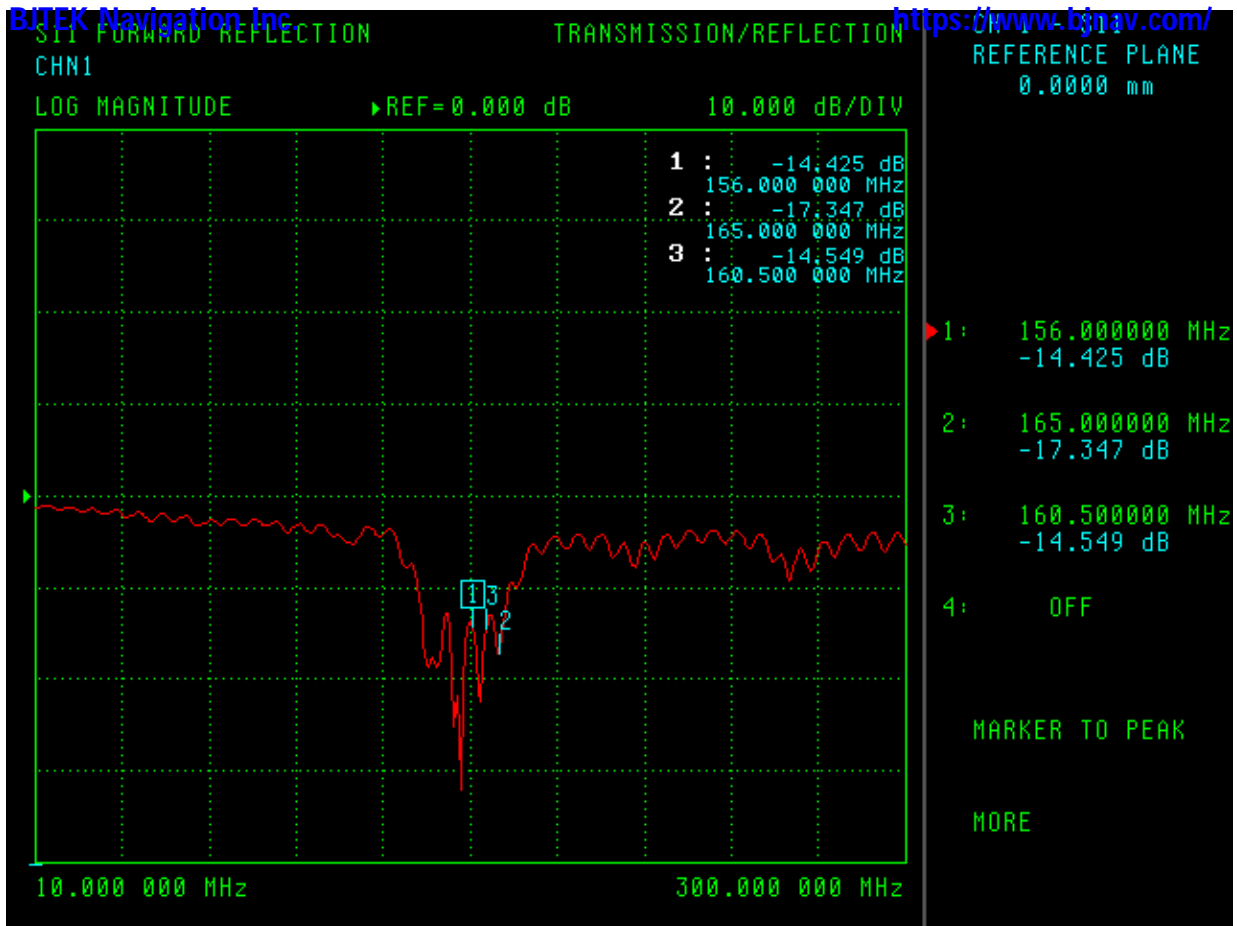


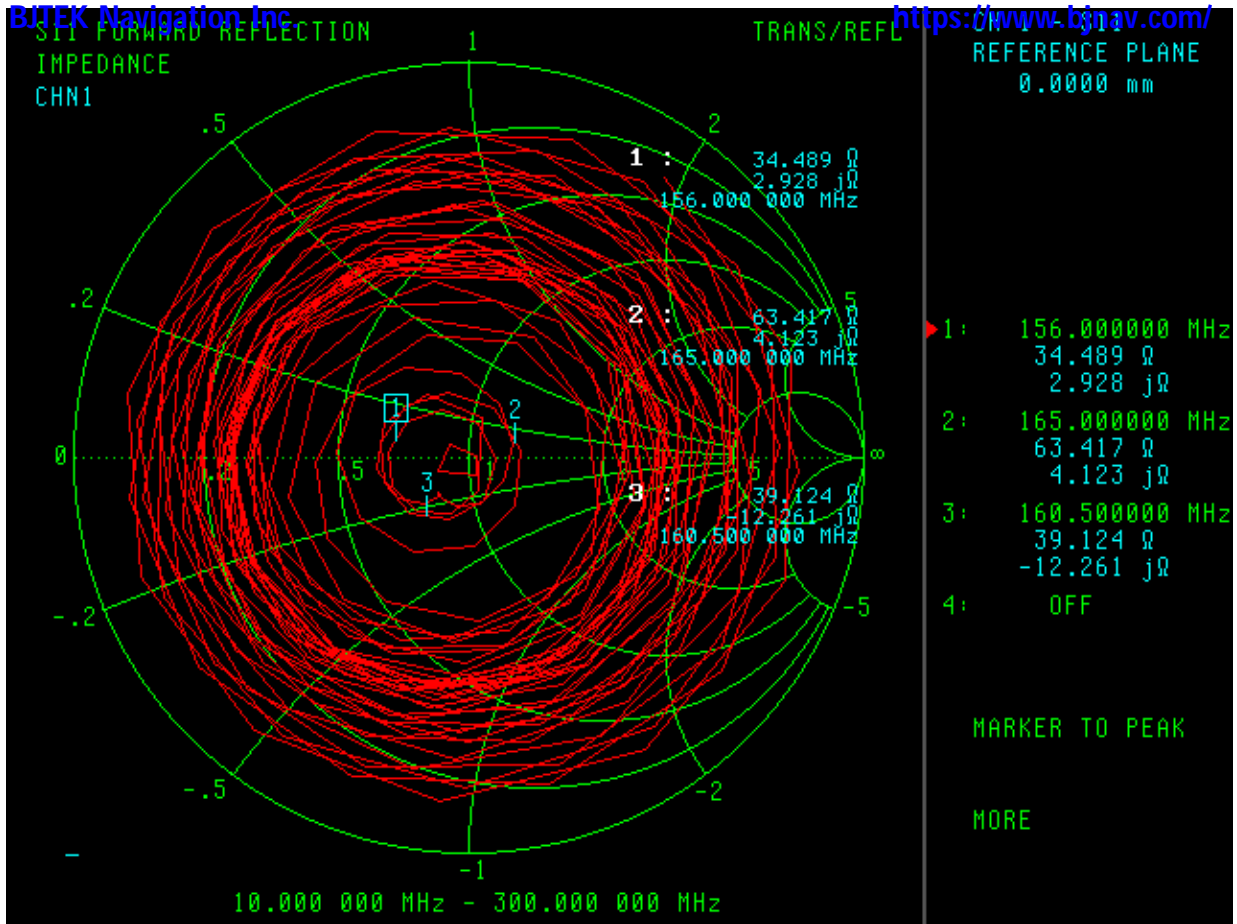
NO.	NAME	Q. TY
01	Top cap	01
02	Fiberglass	01
03	Connecting vopper pipe	01
04	Screw set	01
05	PL259(Female)	01
06	Cap	01
07	Copper tube(Stainless steel)	01
08	Round iron washer	01
09	Hexagonal nut	01
10	Clip retaining	02
11	U-Circlelip	02
12	Hexagonal nut	02
13	Round iron washer	04
14	Hexagonal nut	04
15	Hexagonal plate hand	01

Exploded view diagram of the GPS receiver assembly, showing the various components and their assembly sequence. Callouts 1 through 15 correspond to the parts list. A detail view of a hexagonal nut is also shown.

CUSTOMER'S	MODEL	PARTS NUMBER	FREQUENCY	UNIT	SCALE	DATE	VERSION
			156-174MHz	M/W		20090825	1
TOLERANCE	I. XX±0.15	NAME	PARTS NUMBER	APPROVED	CHECKED	DRAWING	DESIGNED
SURFACE ROUGHNESS	SV	APPEARANCE					

Third angle projection





FB6 : SUS Base mounting

