

Marine GPS/UHF Antenna

MODEL: GUA-650

FOR Marine UHF Radio & GPS NAVIGATION SYSTEM



GPS Antenna Specifications: GA65

PHYSICAL CONDITION	
Constructions:	Polycarbonate radome, detachable cable/connector for easy mount, rubber-O-ring between top radome and screw base for waterproof
Dimensions:	60mm(Dia.) x 45mm(H)
Weight:	65grams (w/o cable & connector).
Color:	White or Black (Optional)
Mounting:	Bulkhead mount with 0.8 inch threaded wing nut (standard accessory).
Cable & Connector	
RF cable:	SMA(M)-10M RG58 -TNC(M) or Optional
Pulling strength:	6 Kg @ 5sec. molded plastic on connector end for strain relief.
Connector available:	SMA(F)
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.
Gain @ 10° Elevation:	-1 dBi typical.
Axial Ratio:	3 dB max.
Output VSWR:	2.0
Output Impedance:	50 ohm
Low Noise Amplifier	
Center Frequency:	1575.42 +/- 1.023 MHz
Power Gain:	28 db +/-3db
Bandwidth:	10 MHz min. @S11<=-10 dB
Noise Figure:	1.5
Outer Band Attenuation:	3 dB max.
Supply Voltages:	2.5~5.5V DC.
Current Consumption:	at 2.5V 6.6mA Typ. at 3.0V 8.6mA Typ.

	at 4.0V 12.6mA Typ. at 5.0V 16.6mA Typ.
Filter	20dB 25dB @ fo+/- 50MHz 30dB 35dB @ fo+/- 100MHz * fo=1575.42MHz
Overall Performance: (antenna element, LNA & coax cable)	
Center Frequency:	1575.42 +/- 1.023 MHz
Gain:	At 90° vertical to sky 30 ± 4.5dBi (cable loss) Note:1 Mounted on the 60mm x 60mm square ground plane
Noise Figure:	1.5 max.
Axial Ratio:	3 dB max.
Bandwidth:	10 MHz min. @S11≤-10 dB
VSWR:	2.0 max.
Output Impedance:	50 ohm
Environmental	
Operating Temperature:	-40°C~ +100°C.
Storage Temperature:	-40°C~ +100°C.
Relative Humidity:	95% non-condensing.
Water Resistance:	100% waterproof. IPX6

OUTSIDE UHF BASE ANTENNA

MODEL: MUA-100A



SPECIFICATION

一. ELECTRONICAL:

1. ANTENNA TYPE 天線型式: Base Antenna
2. FREQUENCY 頻率: 380~512MHz
3. IMPEDANCE 阻抗: 50 Ohm
4. POLARISATION 極: Verticle
5. SWR: 2.0:1
6. MAX.POWER 最大功率: 50W

二. MECHANICAL:

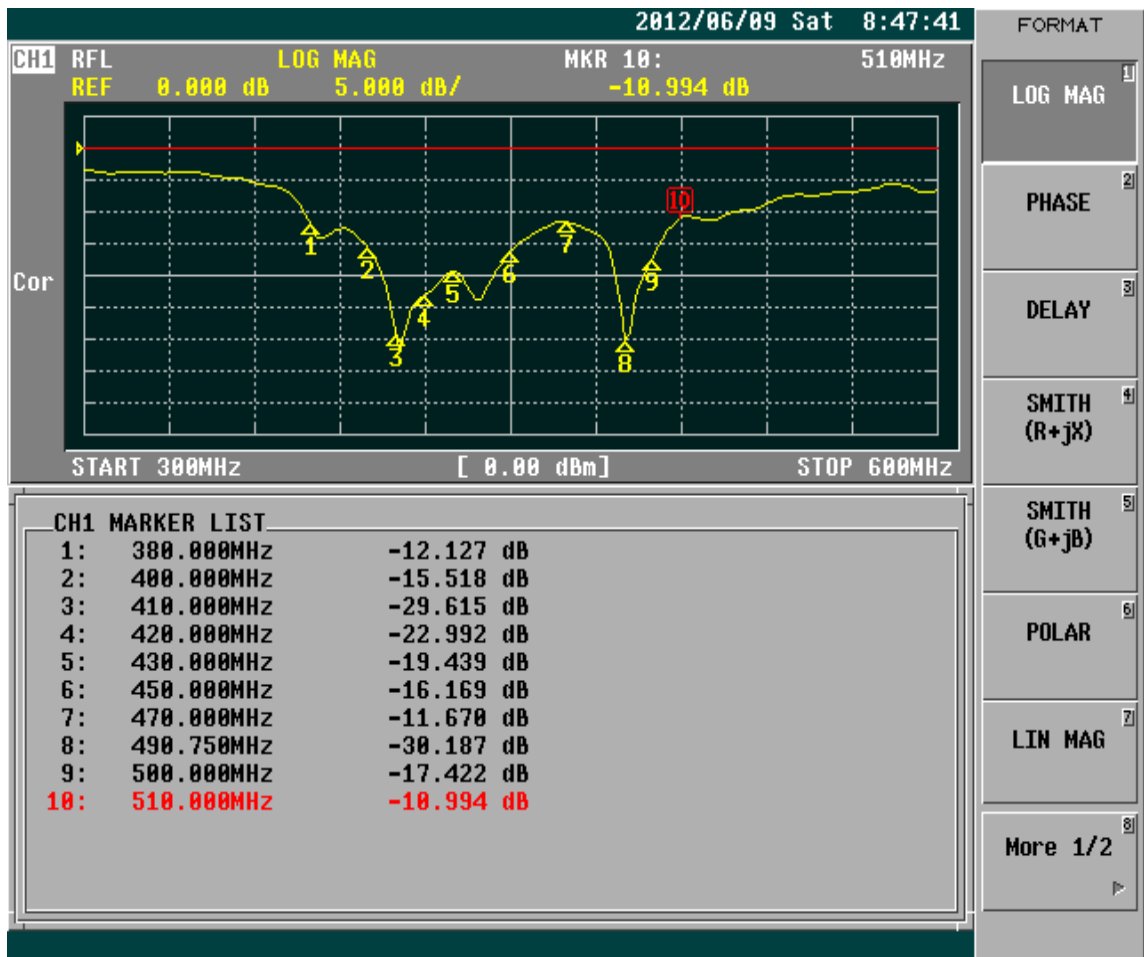
1. MATERIALS 材質: Fiber
2. COLOR 顏色: White
3. TOTAL HEIGHT 總長度: 910m/m ±10
4. WEIGHT 重量: 1050g

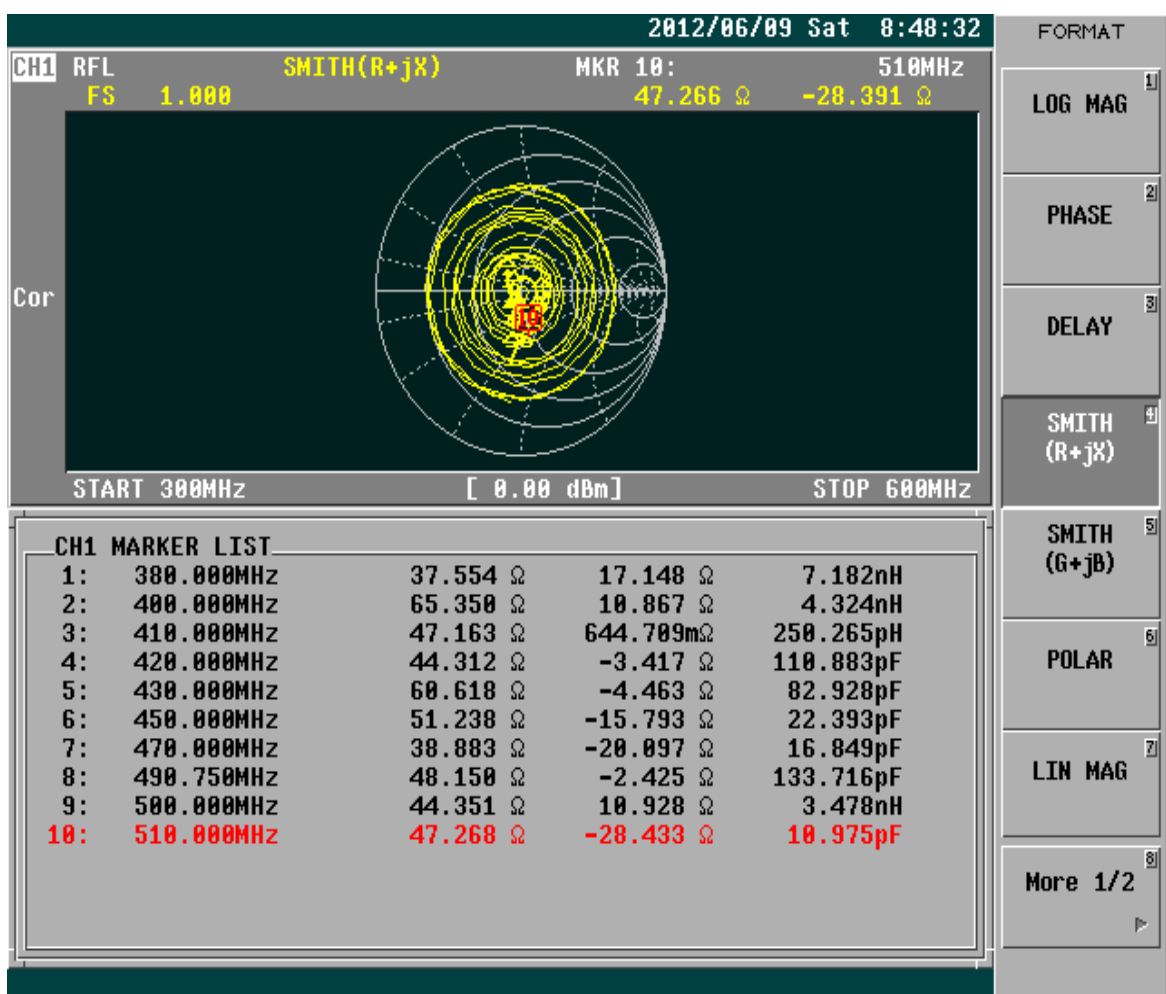
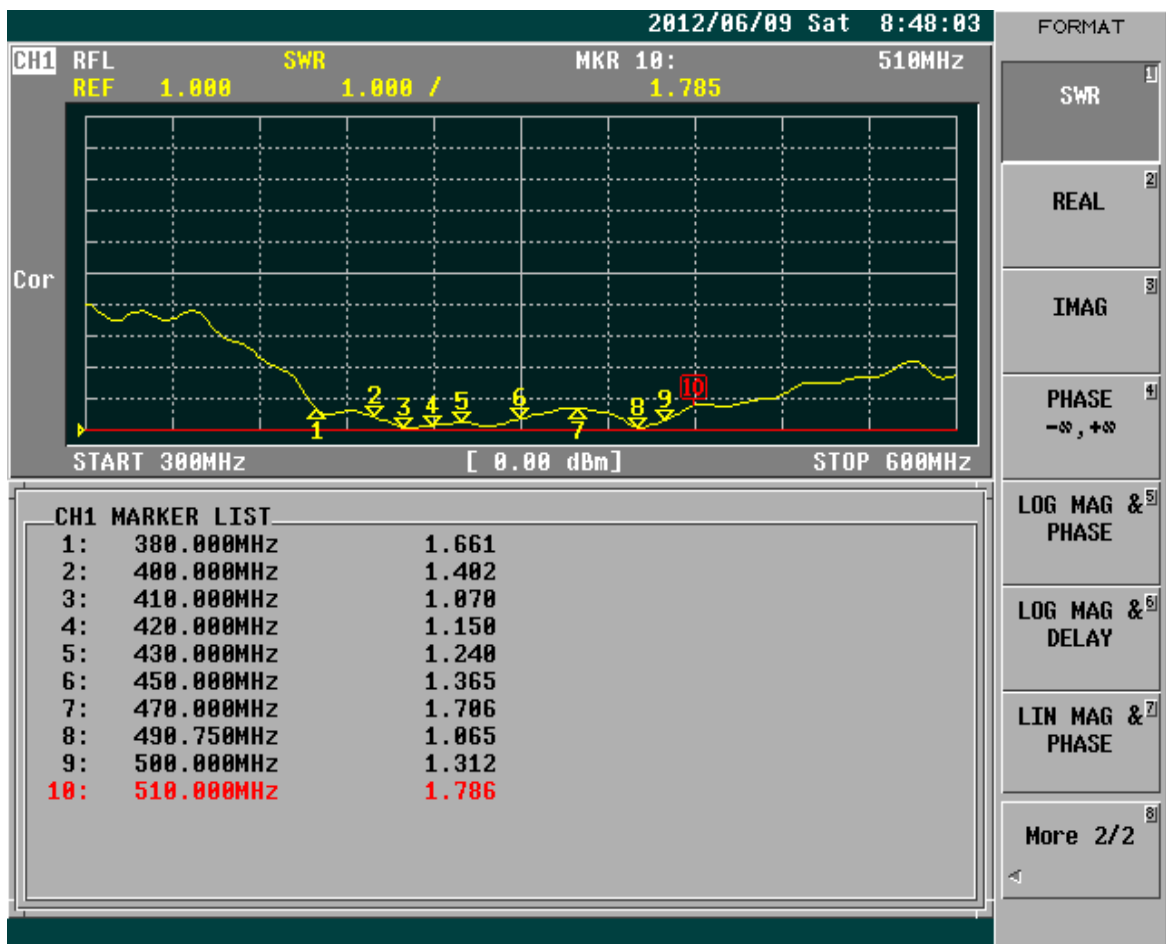
1. APPEARANCE:

NO.	NAME	Q. TY
01	Body	01
02	Cap	01
03	Stay ring(Stainless steel)	01
04	Round iron washer(Stainless steel)	01
05	Hexagonal nut(Stainless steel)	01
06	Clip retaining	02
07	U-Circlip(Stainless steel)	02
08	Hexagonal nut(Stainless steel)	02
09	Round iron washer(Stainless steel)	04
10	Hexagonal nut(Stainless steel)	04
11	Hexagonal plate hand	01
12	N (Female)	01

註:VSWR 1:2.0

 Third angle projection	CUSTOMER'S	MODEL	PARTS NUMBER	FREQUENCY	UNIT	SCALE	DATE	VERSION
				380-512Mhz	M/M		20111118	1
	TOLERANCE	X. XX±0. 15	NAME	PARTS NUMBER	APPROVED	CHECKED	DRAWING	DESIGNED
	SURFACE ROUGHNESS	S ▽▽	APPEARANCE					





SUS L-Mounting

Madel : FB-6



Size :

