

Vehicle Locating & Marine Small

GPS/GSM Passive Antenna

MODEL: GAF-62-PA

Small size and ruggedness, demand of vehicle locating and marine navigation GPS/ GSM Passive antenna that will sustain harsh environment.



Specifications:

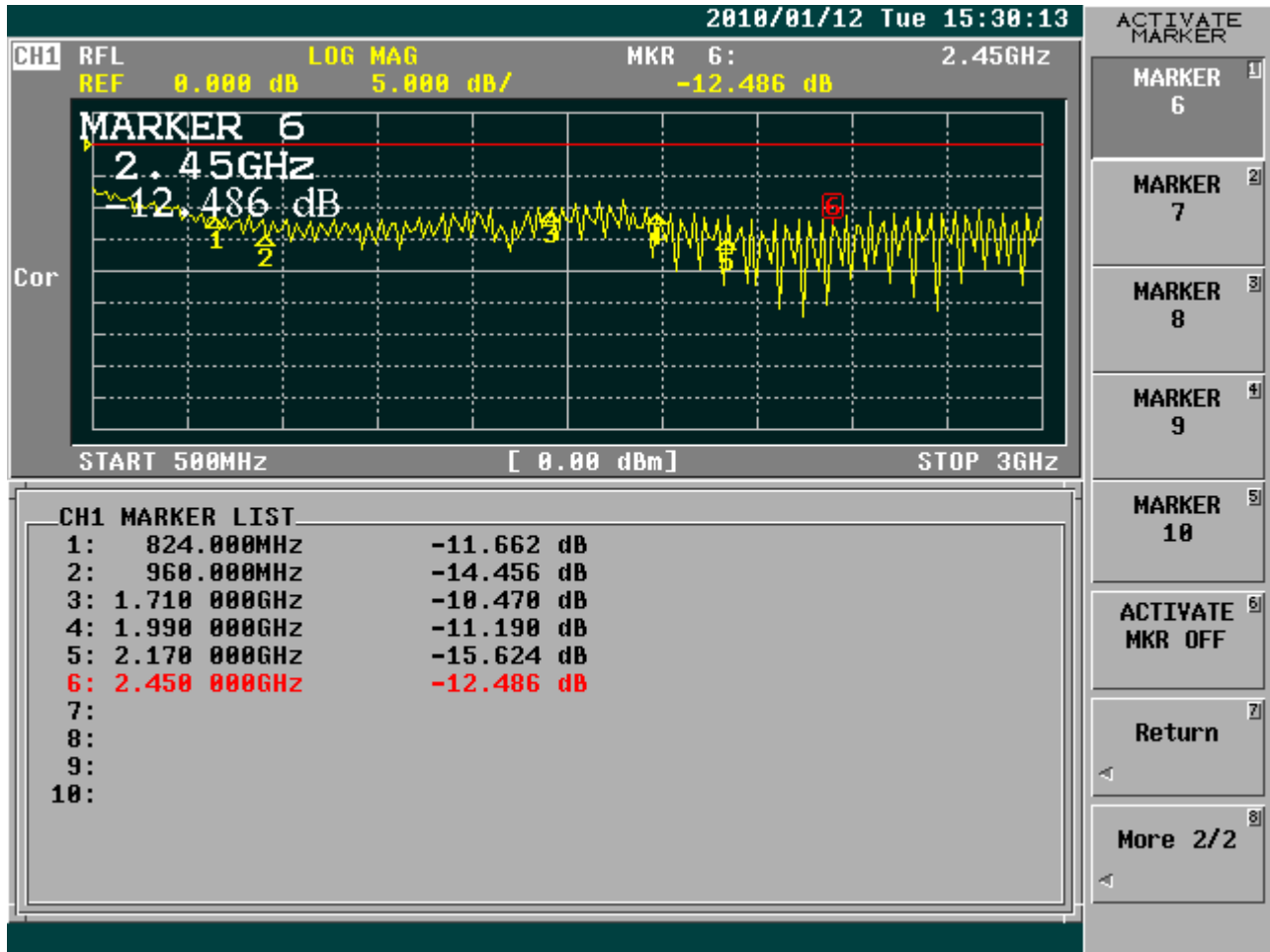
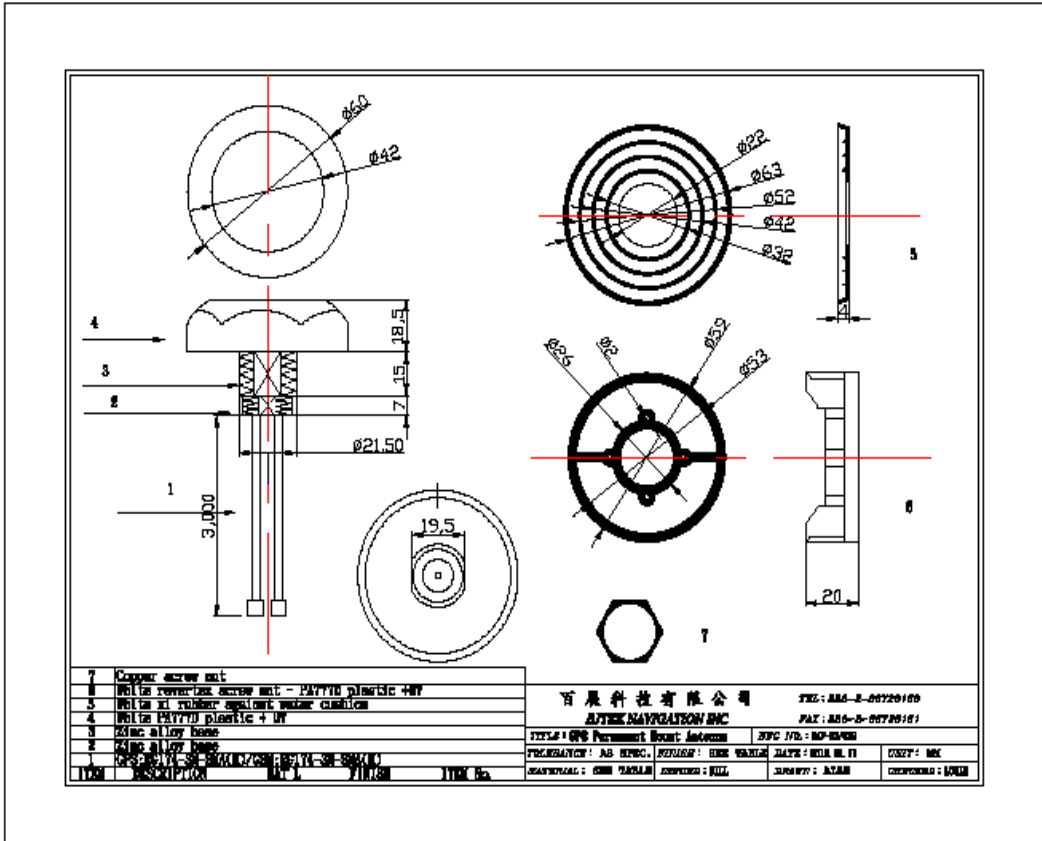
PHYSICAL CONDITION	
Constructions:	Polycarbonate radome, detachable cable/connector for easy mount, rubber-O-ring between top radome and screw base for waterproof
Dimensions:	60mm(Dia.) x 18.5mm(H)
Weight:	65grams (w/o cable & connector).
Color:	Standard in ivory white, other colours available upon request.
Mounting:	Bulkhead mount with 0.8 inch threaded wing nut (standard accessory).
Cable & Connector	
RF cable:	RG174-2.5M
Pulling strength:	6 Kg @ 5sec. molded plastic on connector end for strain relief.
Connector	SMB(SP)-Female
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:	1.5 max
Output Impedance:	50 ohm
Overall Performance: (antenna element, LNA & coax cable)	
Center Frequency:	1575.42 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:	2.0 max.
Axial Ratio:	3 dB max.
Bandwidth:	2MHz min.
VSWR:	2.0 max.
Output Impedance:	50W ohm
Environmental	
Operating Temperature:	-40°C~ +85°C.
Storage Temperature:	-50°C~ +90°C.
Relative Humidity:	95% non-condensing.
Water Resistance:	100% waterproof.
GSM / CDMA / 3G /	
Frequency	850/900/1800/1900/2170
VSWR	2.0
Impedence	50Ω
Cable type	RG174
Cable length	2.5M
Connector	FME(SJ)-Female

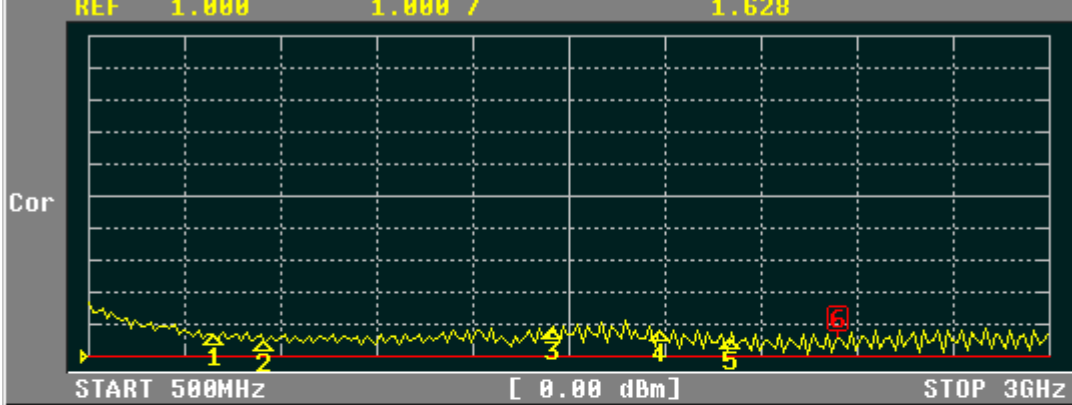
* This specification is subject to change without prior notice

Data Updated: Sep.23, 2009





CH1 RFL SWR MKR 6: 2.45GHz
 REF 1.000 1.000 / 1.628



CH1 MARKER LIST

1:	824.000MHz	1.706
2:	960.000MHz	1.477
3:	1.710 000GHz	1.867
4:	1.990 000GHz	1.767
5:	2.170 000GHz	1.525
6:	2.450 000GHz	1.629
7:		
8:		
9:		
10:		

- SWR ^{1]}
- REAL ^{2]}
- IMAG ^{3]}
- PHASE ^{4]}
-∞, +∞
- LOG MAG & ^{5]}
PHASE
- LOG MAG & ^{6]}
DELAY
- LIN MAG & ^{7]}
PHASE
- More 2/2 ^{8]}