

GPS Whip Active Antenna

MODEL: GA-85B

Compact & Sensitive GPS antenna with Excellent Signal Amplification for Mobile Applications



- High performance
- Out-band filtering & rejection
- Voltage: 1.5~3.1 V DC
- Provides excellent signal amplification
- 9.3(Dia.) × 60.4(L) mm
- IPX6

GA-85B is the integration of a high performance GPS whip antenna and a state-of-the-art low noise amplifier into a very low profile/ extremely compact/ fully waterproof enclosure which, when connected to a GPS receiver with 1.5~3.1V DC antenna power, provides excellent signal amplification and out-band filtering & rejection, provide 1.5~3.1V input Voltage is available.

FEATURES:

- Compact Construction/ Low Profile/
- Omni-Directional Antenna Patterns
- Excellent Temperature Stability
- Low Noise Figure
- High Sensitivity

APPLICATIONS:

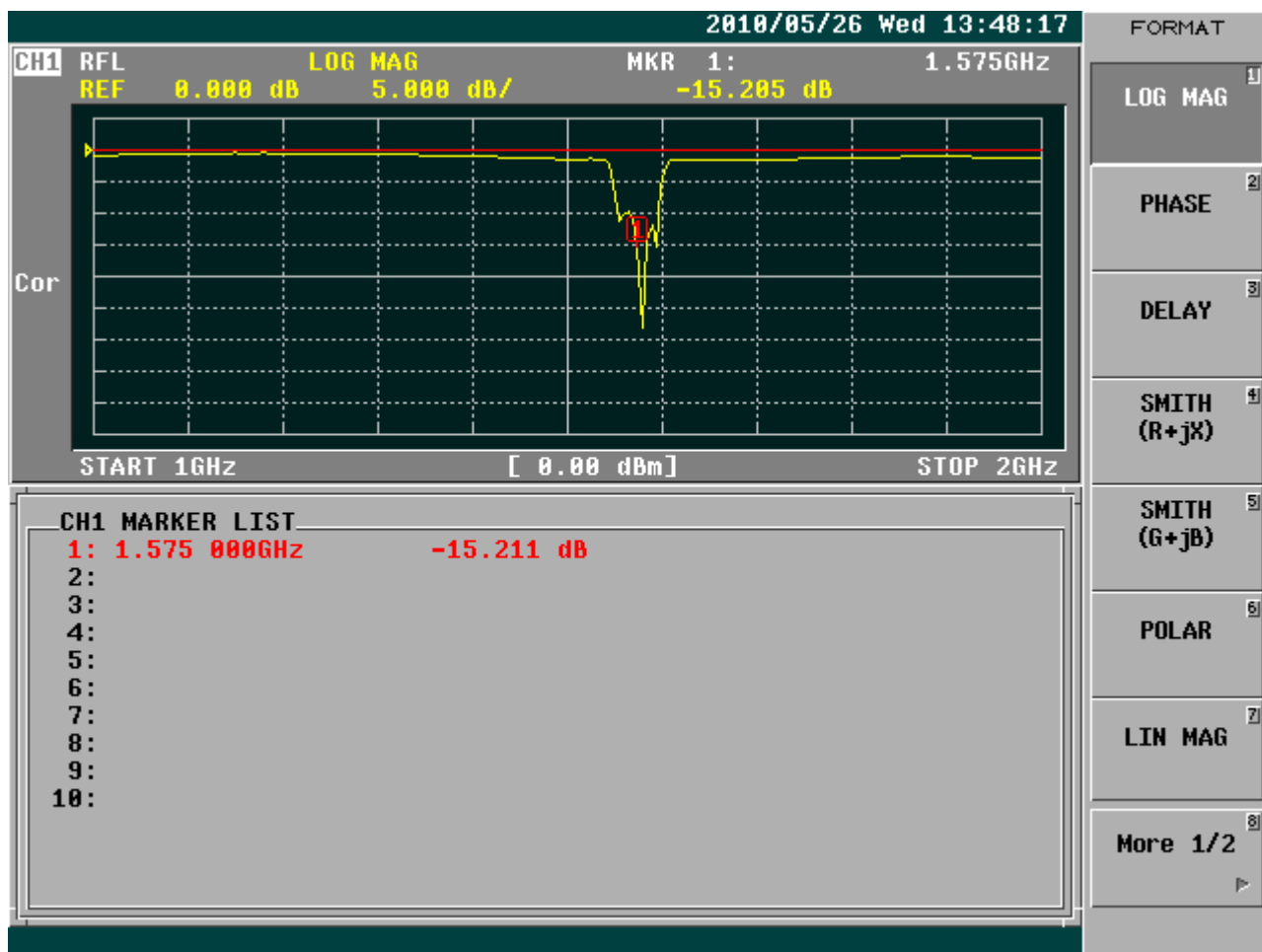
- Automobile GPS
- Bluetooth Receiver
- Car Tracking Navigation System
- AVL / Fleet Management Systems
- External Antenna for Handheld GPS
- External Antenna for PDA Navigator

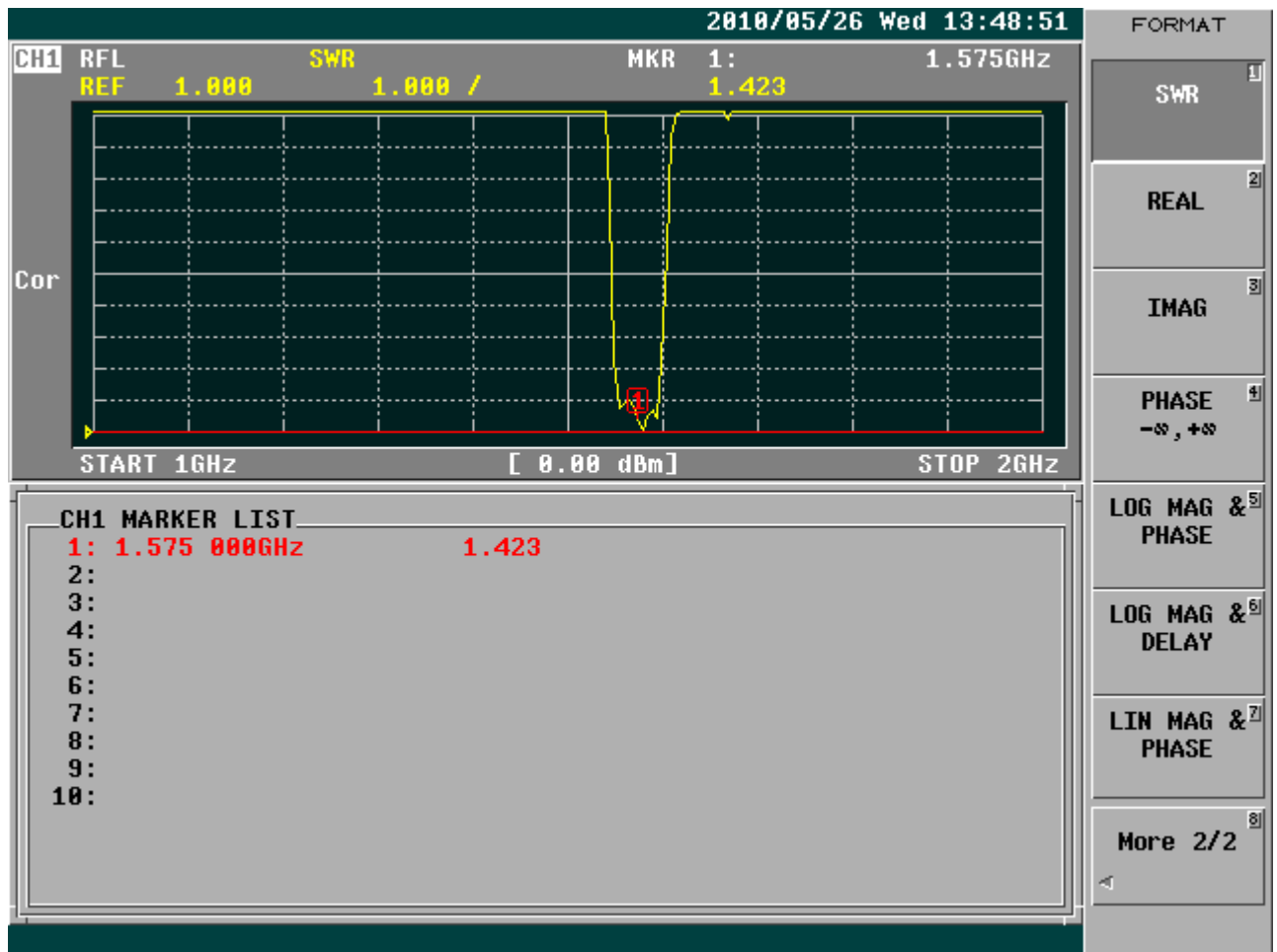
SPECIFICATIONS:

Physical Condition	
Construction	TPE rubber
Dimension	9.3(Dia.) × 60.4(L) mm
Weight	2 grams
Environmental Conditions	
Operation temperature	-40°C to +85°C
Storage temperature	-40°C to +100°C
Relative Humidity	95% non-condensing
Connector	
Connector Available	SMA (M) Straight

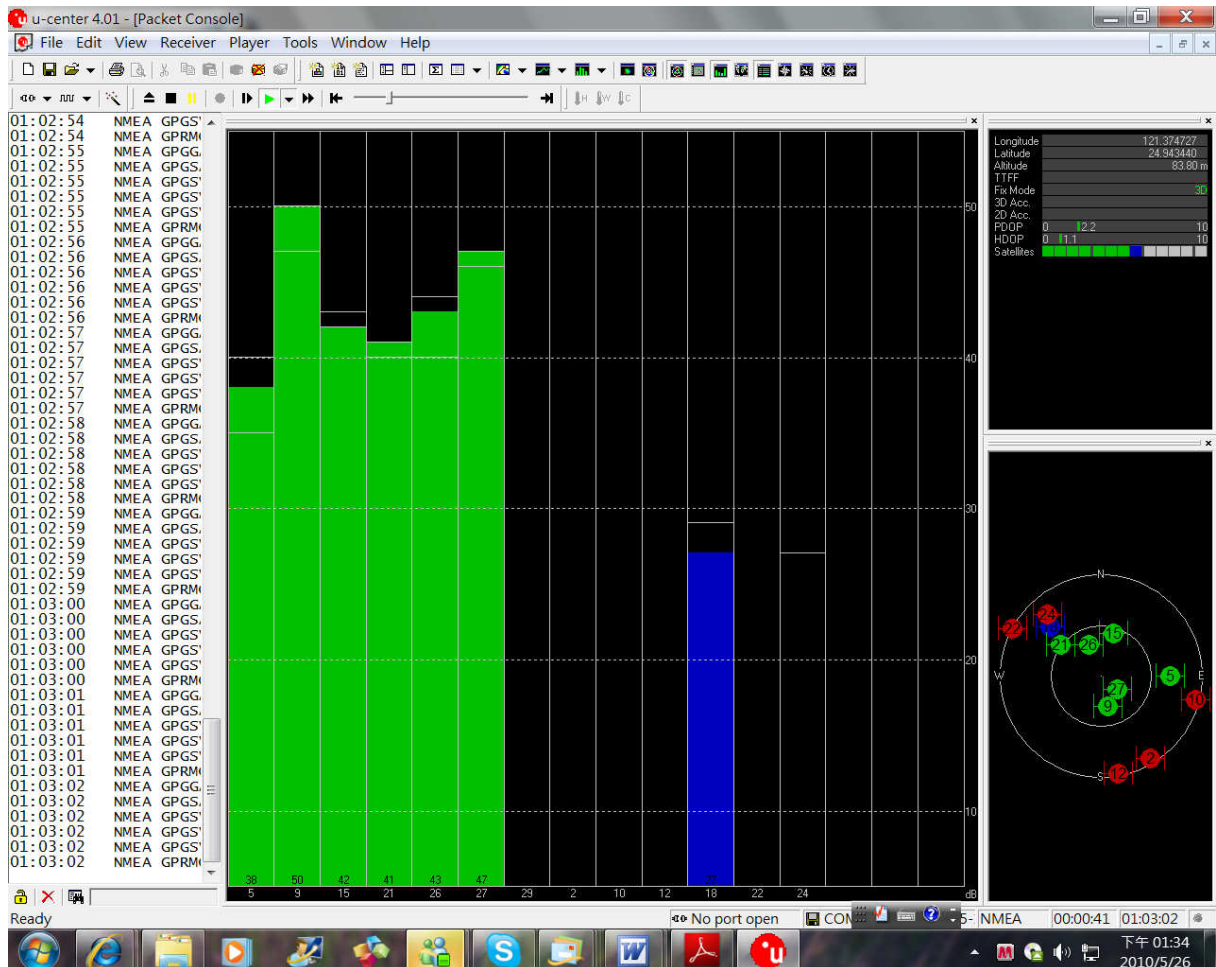
Low Noise Amplifier

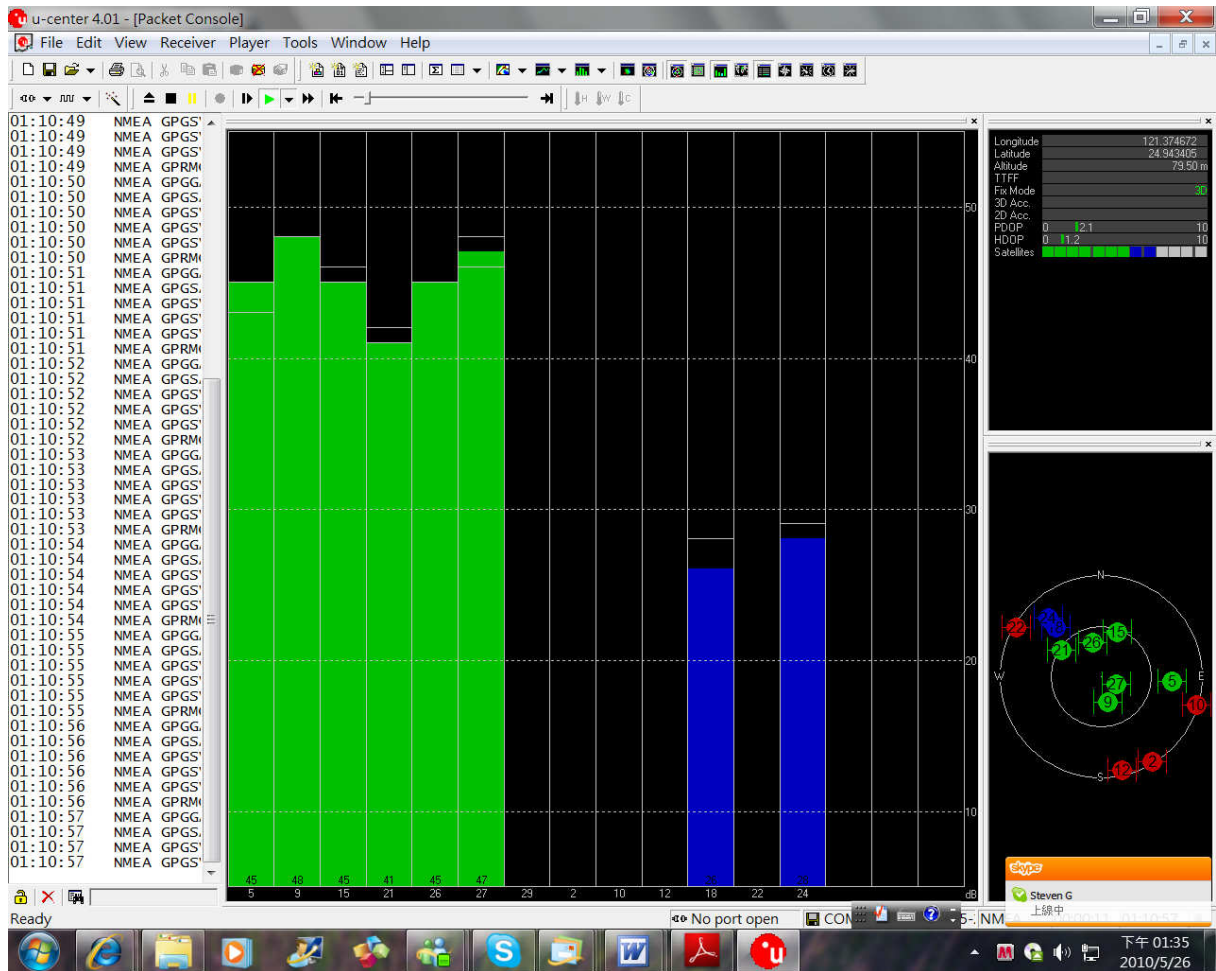
Center Frequency	1575.42 MHz +/- 1.023 MHz
Gain	15+/-3dB
Bandwidth	10 MHz min. @S11<=-10 dB
Noise Figure	1.5dB Typ.
Filter	25dB @ fo± 50MHz
	35dB @ fo± 100MHz
	* fo=1575.42MHz
Supply Voltages	1.5~3.1V DC
Current Consumption	5mA
Output Impedance	50 ohm
Output VSWR	2.0 max.



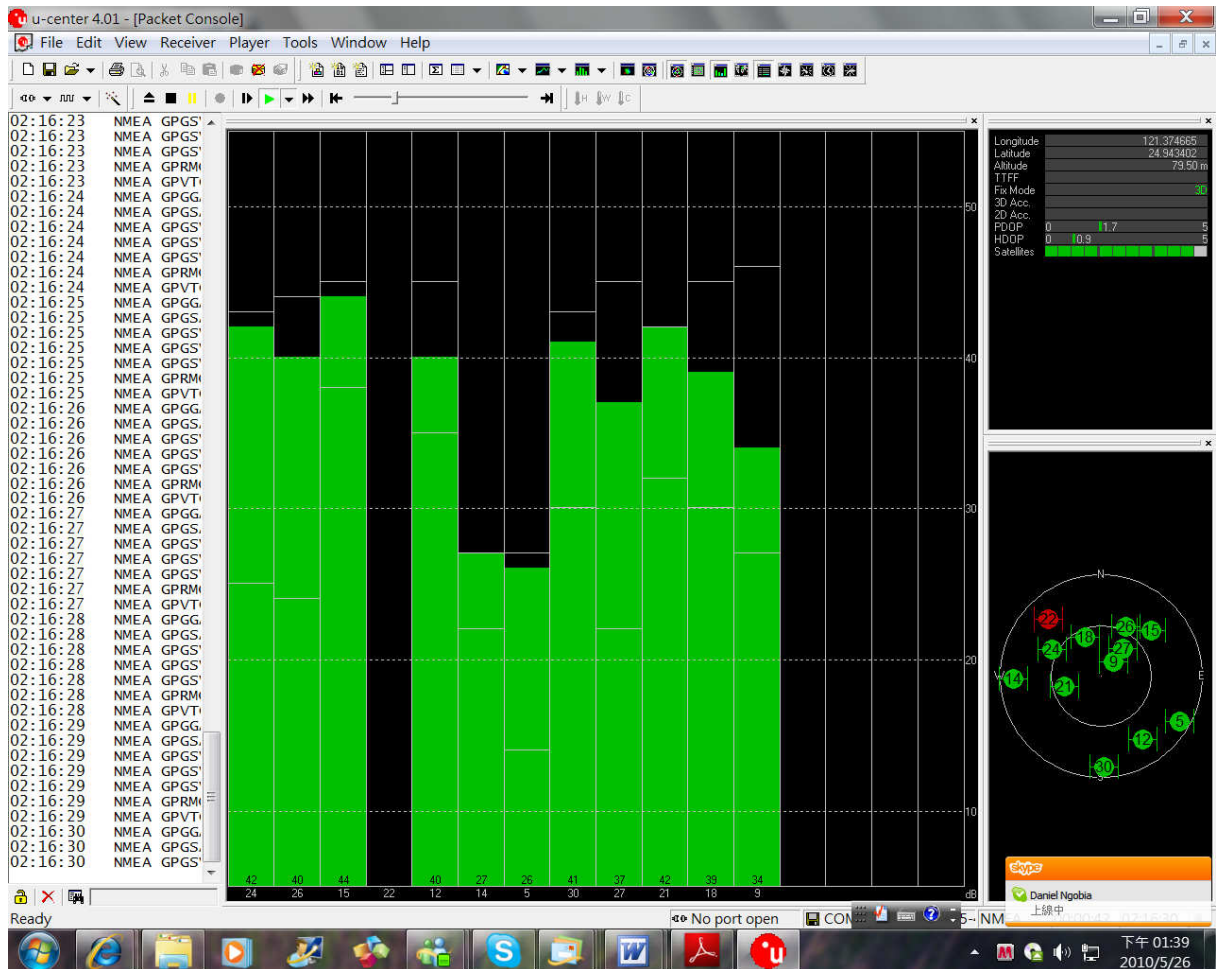


Sirf III test tool : open





Skytraq test tool : open



u-center 4.01

File Edit View Receiver Player Tools Window Help

The main window displays a histogram of signal strength in dB. The x-axis represents signal strength in dB, with values ranging from 38 to 6. The y-axis represents signal strength in dB, with values ranging from 10 to 50. The histogram shows several bars of varying heights, with the tallest bar reaching approximately 46 dB. The bars are colored green, with a few blue bars at the lower end of the scale.

Right Panel Data:

Longitude	121.374680
Latitude	24.943427
Altitude	82.30 m
TTF	
Fix Mode	2/3
3D Acc.	
2D Acc.	
PDOP	0 12.8 10
HDOP	0 11.2 10
Satellites	

Bottom Panel Data:

Ready	No port open	CON	5-NMEA	00:00:18	02:35:08
下午 01:41	2010/5/26				