

GPS Whip Active Antenna

MODEL: GA-85C

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
- 12.4(Dia.) × 50.4(L) mm
- IPX6

GA-85C 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:

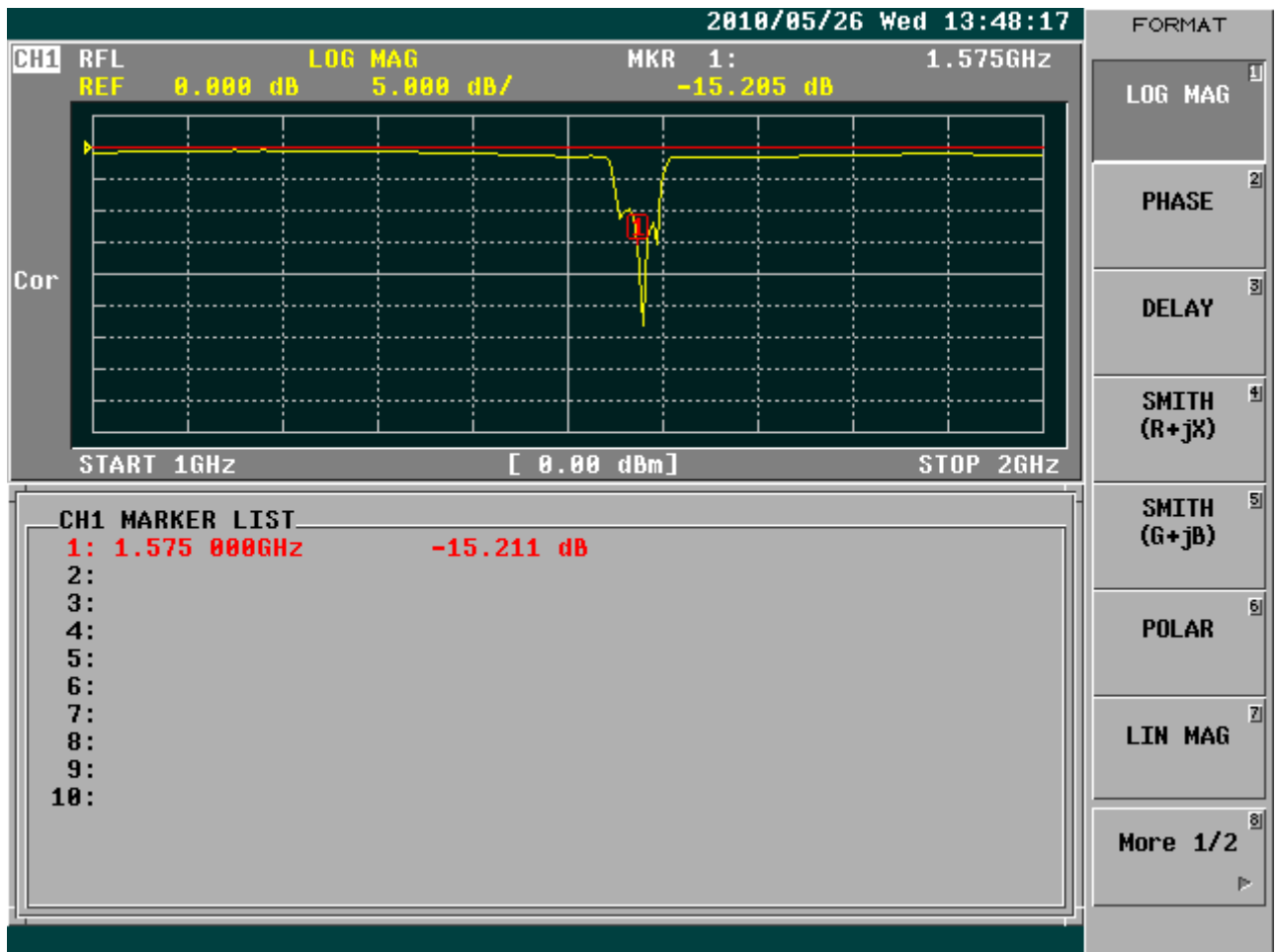
- Automobile GPS
- Bluetooth Receiver
- Car Tracking Navigation System
- AVL / Fleet Management Systems
- External Antenna for Handheld GPS
- External Antenna for PDA Navigator

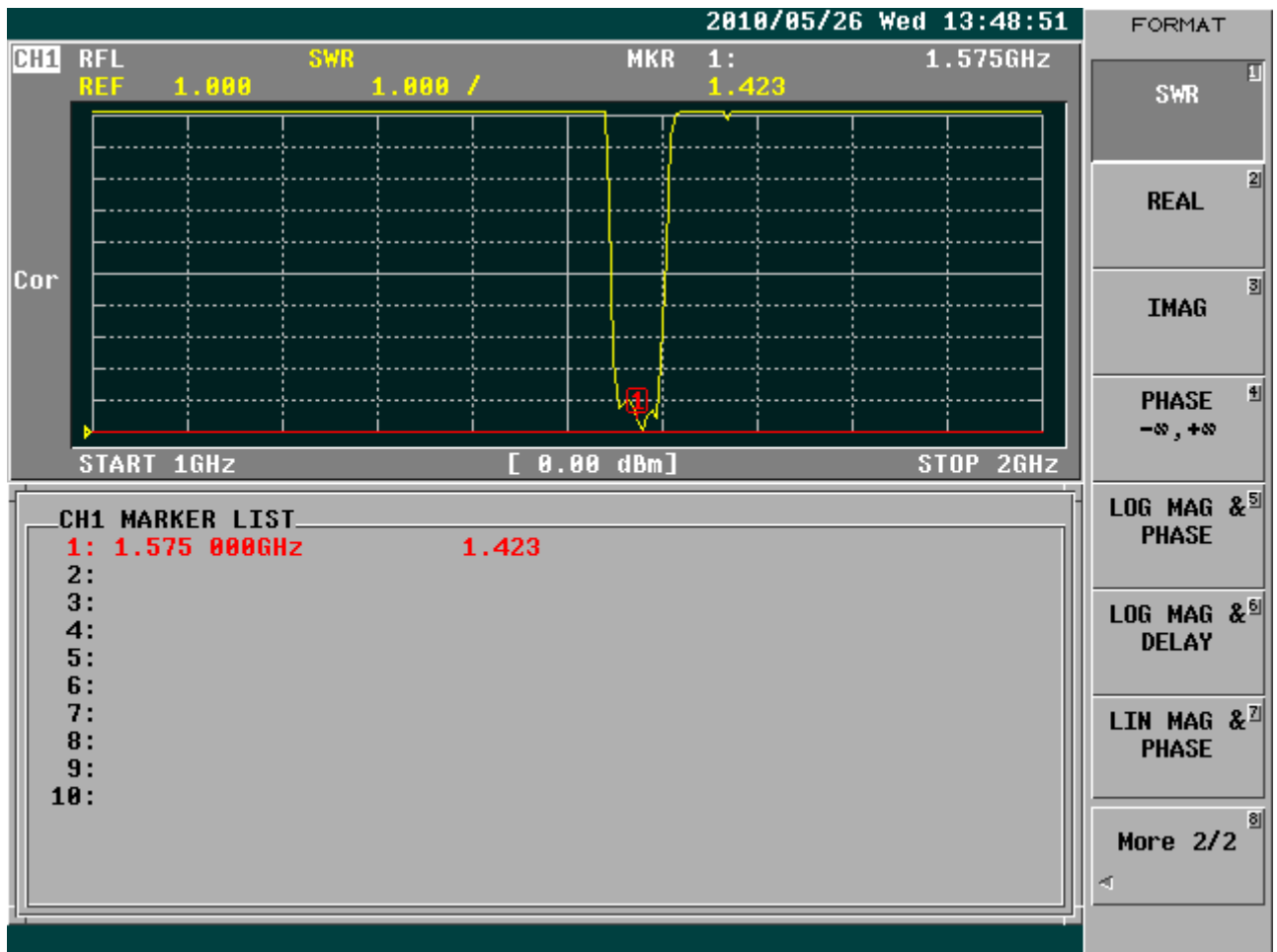
SPECIFICATIONS:

Physical Condition	
Construction	TPU rubber
Dimension	12.4(Dia.) × 50.4(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

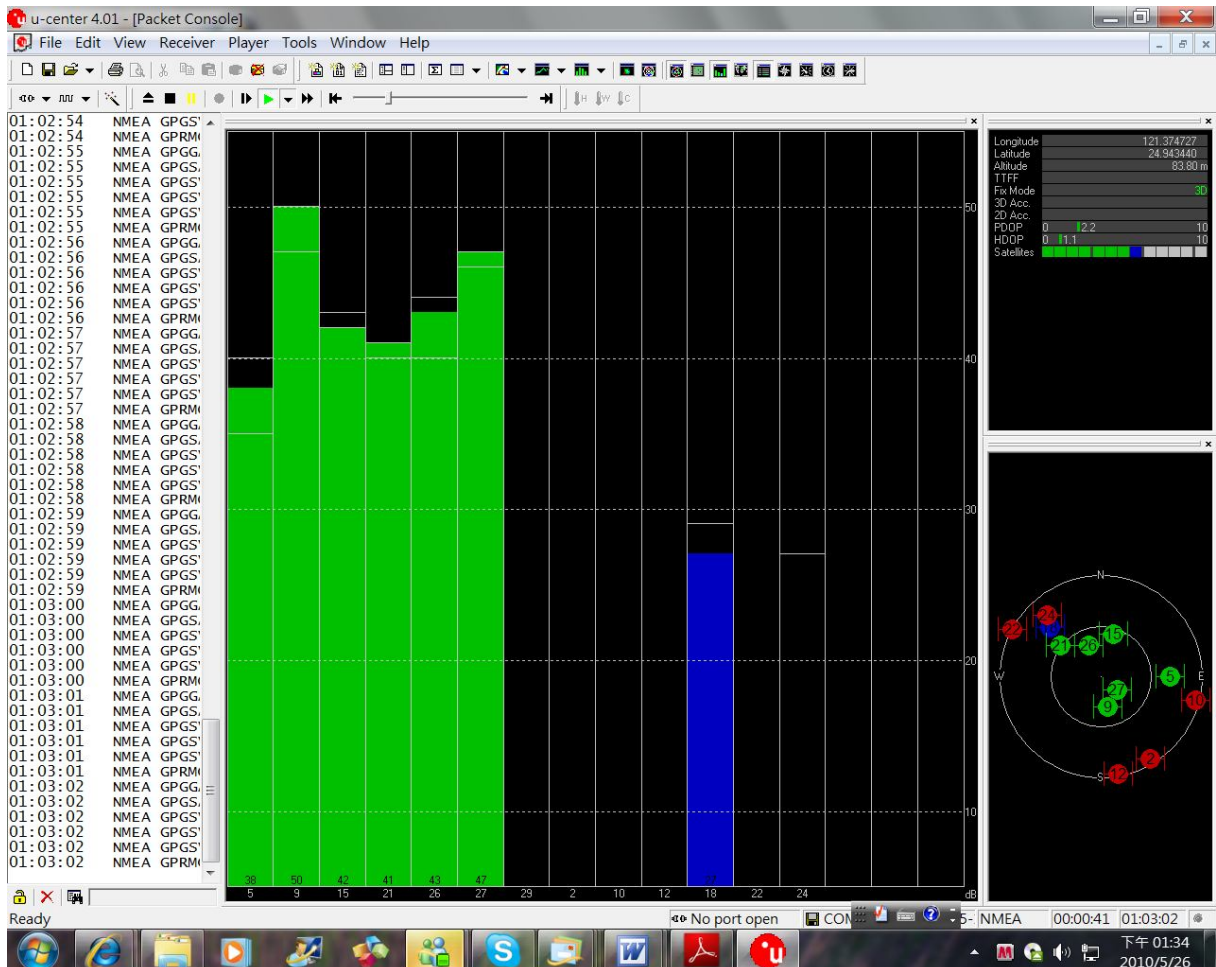
Low Noise Amplifier

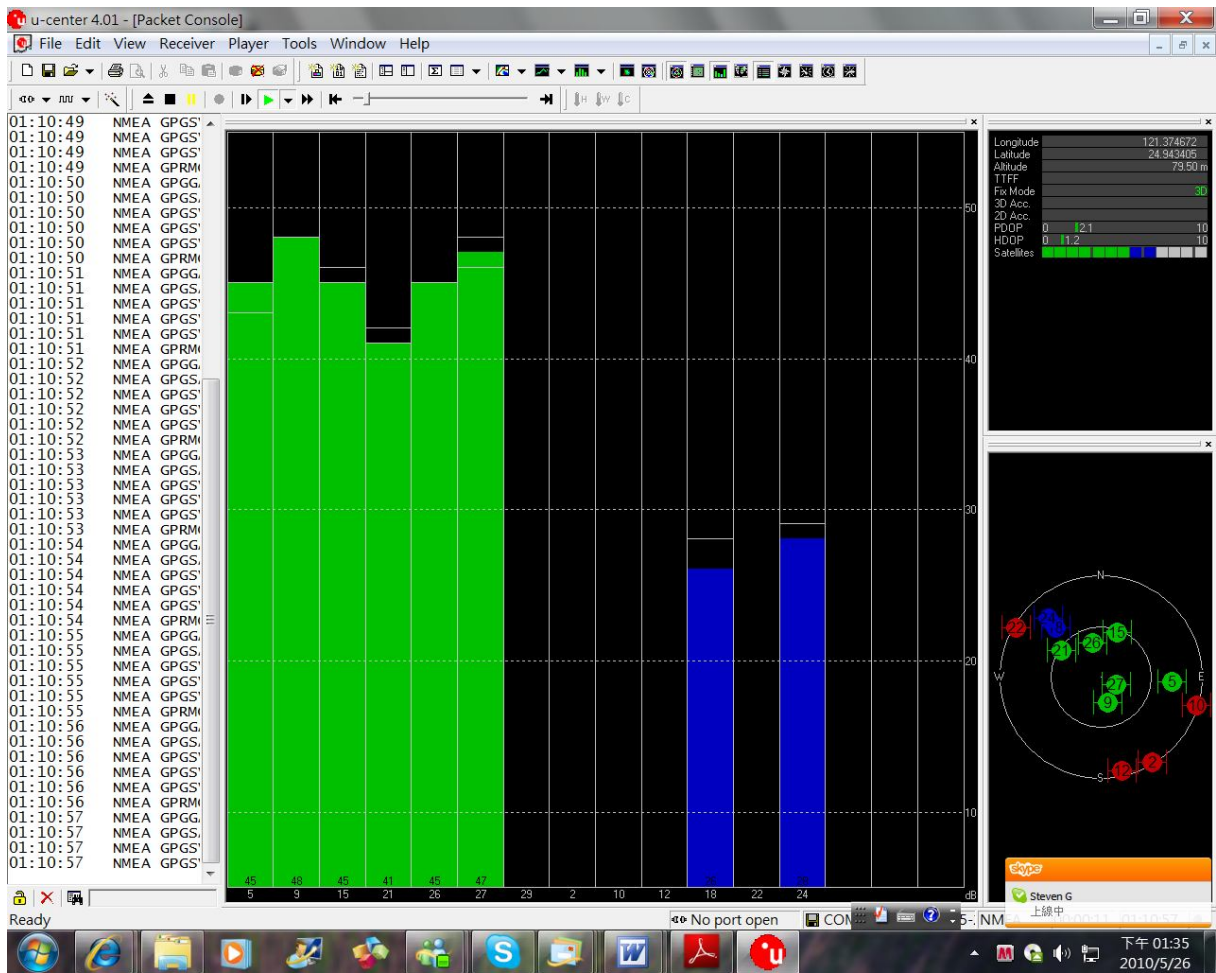
Center Frequency	1575.42 MHz +/- 1.023 MHz
Gain	15+/-3dB
Bandwidth	10 MHz min. @S11≤-10 dB
Noise Figure	1.5dB Typ.
Filter	25dB @ fo± 50MHz
	35dB @ fo± 100MHz
	* fo=1575.42MHz
Supply Voltages	1.5~3.1V DC
Current Consumption	5mA
Output Impedance	50 ohm
Output VSWR	2.0 max.



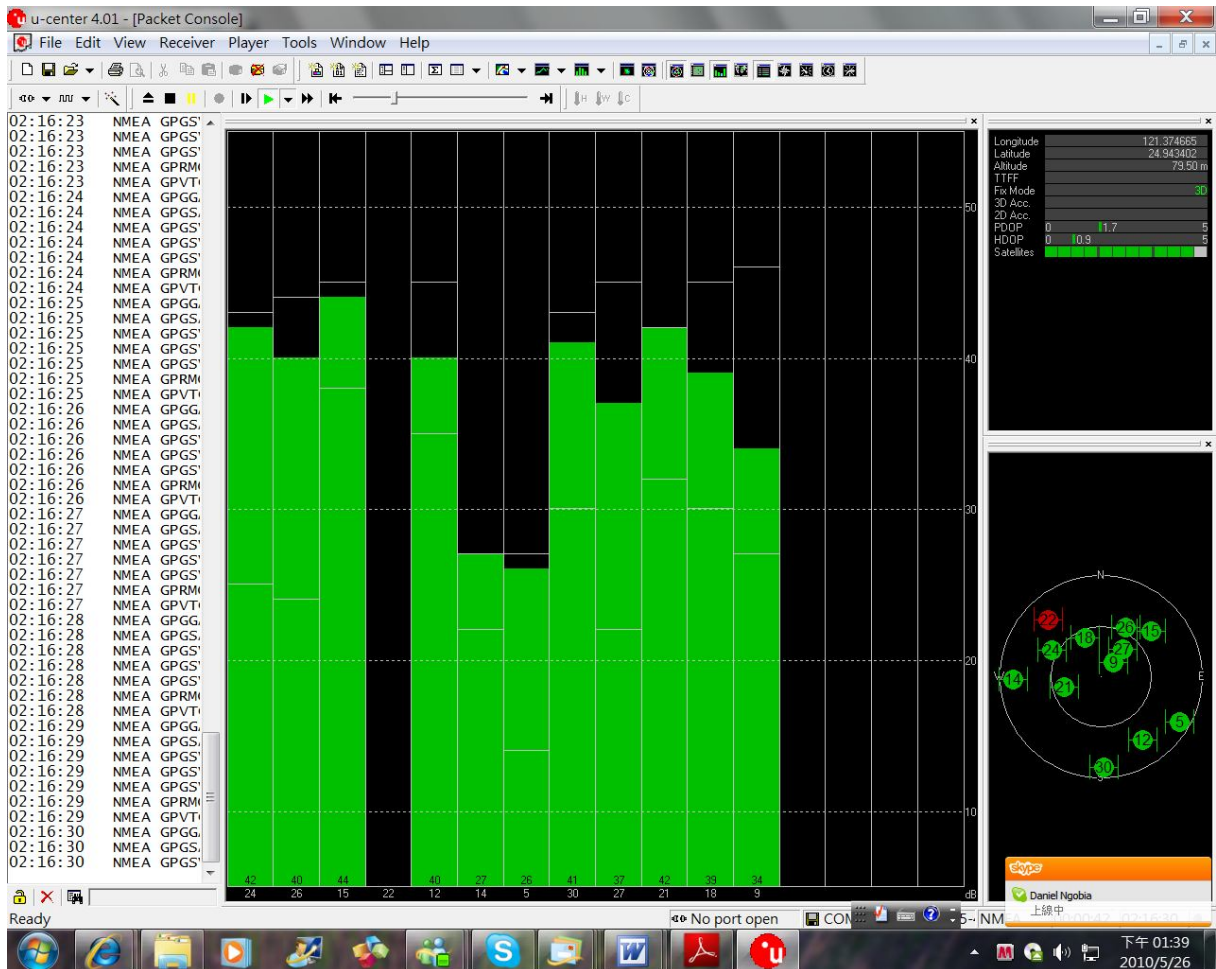


Sirf III test tool : open





Skytraq test tool : open



u-center 4.01

File Edit View Receiver Player Tools Window Help

Longitude 121.374680
 Latitude 24.943427
 Altitude 82.30 m
 TTFF
 Fix Mode 2/3D
 3D Acc.
 2D Acc.
 PDOP 0 12.0 10
 HDOP 0 11.2 10
 Satellites

Satellite ID	Signal Strength (dB)
38	~38
24	~35
35	~36
18	~30
36	~30
21	~30
30	~46
26	~42
9	~42
15	~42
42	~42
27	~42
42	~42
14	~18
22	~0
5	~38

Ready

No port open CON 5-NMEA 00:00:18 02:35:08

下午 01:41
2010/5/26