



GlobalTop Technology Inc.

GPS Module Application Notes

Revision: A00

Technical Document



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Troubleshooting

How to check for the working status of PA6B?

The first thing to check for is the NMEA sentence output through TX by using various application tools. For example: you can use windows default tool - WinXP Hyperterminal, or you can use other GPS application program to check for GPS status.

If there is no NMEA output, this indicates the PA6B module is currently not working. Please double check your schematic design. Down below we listed some of the possible items to check for your reference:

Item 1: VCC (Pin1)

The voltage should be kept between 3.2V to 5.0V. **(Typical : 3.3V), Please double-check.**

Item 2: ENABLE (Pin2)

Enable (High): $1.8V \leq V_{enable} \leq VCC$, **Please double-check.**

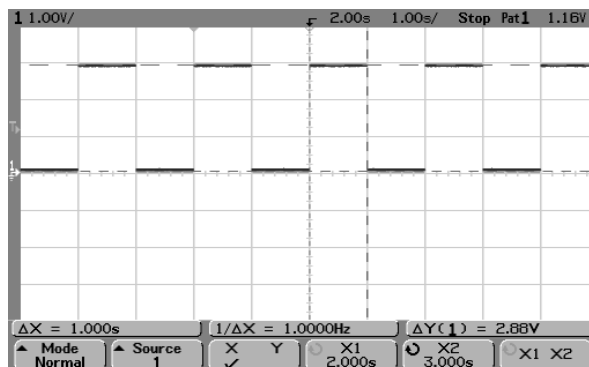
Item 3: VBACKUP (Pin4)

The voltage should be kept between 2.0V~4.3V. **(Typical : 3.0V), Please double-check.**

Item 4: 3D-FIX (Pin5)

If all the measurements are within the specifications, please also measure 3D-FIX (Pin5) signal.

Before 2D Fix, **the pin should output one-second high-level signal follow with one-second low-level signal.**



After 2D or 3D Fix

The pin should continuously output low-level signal.

Low _____

Item 5: TX (Pin9)

The UART transmitter of the module, it outputs the GPS NMEA information for application, **Please double-check.**

