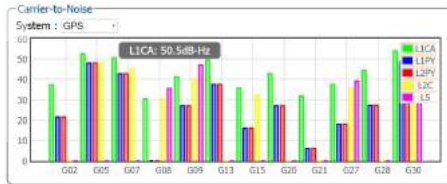# 5. Basic Monitoring
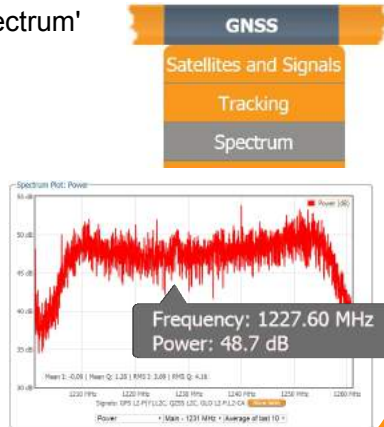
Is the PolaRx5 tracking satellites?

- Select the 'GNSS' tab then 'Satellites and Signals'

- In open sky, the PolaRx5 should track between 15 and 25 GPS and Glonass satellites.

- The Carrier-to-Noise plot for GPS should show about 3 satellites with an L1CA above 50 dB-Hz

Is there any interference?

- Select the 'GNSS' tab then 'Spectrum'

- Click 'Show table' on the Spectrum plot then select GPS L2-P(Y). This frequency band can be vulnerable to interference.

- The small GPS L2 signal at 1227.6 MHz should be visible. Other spikes or anomalous activity in the spectrum may indicate interference.

For more information:

The memory stick delivered with the PolaRx5 contains the following documents:

- PolaRx5 User Manual
- PolaRx5 Firmware Manual
- SBF Reference Guide

You can also consult our webpage or contact our Support Department:

- http://www.septentrio.com
- support@septentrio.com

septentrio

PolaRx5

Quick Start Guide

To set up the PolaRx5 you will need:

Power adapter   Antenna   Antenna cable

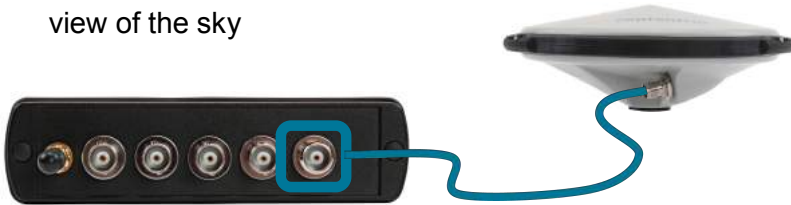WiFi capable device   or   USB cable

1. Powering up

- Connect the power adapter to the '**PWR**' socket on the PolaRx5 front panel
- Plug the power adapter into the mains
- The PolaRx5 will start up automatically

2. Connecting an antenna

- Connect one end of the antenna cable to the antenna and the other end to the rear-panel '**Main**' socket on the PolaRx5
- Make sure the antenna has a clear view of the sky

3. Turning on the WiFi

- Press firmly on the front-panel WiFi button to turn on the WiFi modem 📶

4a. Connecting to the PolaRx5 over WiFi

- Find the PolaRx5 WiFi signal on your device and click: **Connect**

Currently connected to:
Septentrio.local
Internet access

Unidentified network
No Internet access

Wireless Network Connection
Septentrio_WIFI
PolaRx5S-3013378

Information sent over this network might be visible to others.

☐ Connect automatically   Connect

Open Network and Sharing Center

- When connected, open a web browser using the IP address: **192.168.20.1**

PolaRx5-3013378
192.168.20.1

Receiver
PolaRx5-3013378 (SEPT)
IP Address (Eth):
Uptime: 0d 05:32:37

or

4b. Connecting to the PolaRx5 over USB

- Connect the USB cable between the PolaRx5 and your PC

- Wait for the drivers to fully install

- When the drivers have installed, open a web browser with the IP address: **192.168.3.1**

PolaRx5-3013378
192.168.3.1

Receiver
PolaRx5-3013378 (SEPT)
IP Address (Eth):
Uptime: 0d 04:49:23