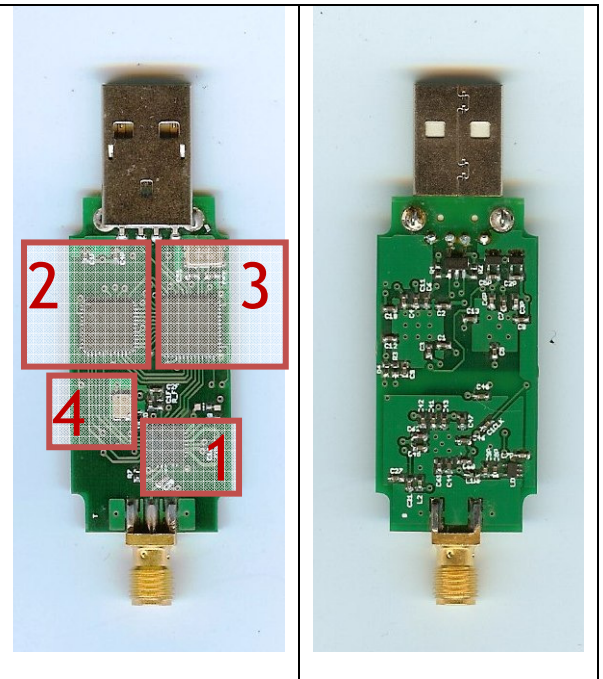


Primo front-end



Main components

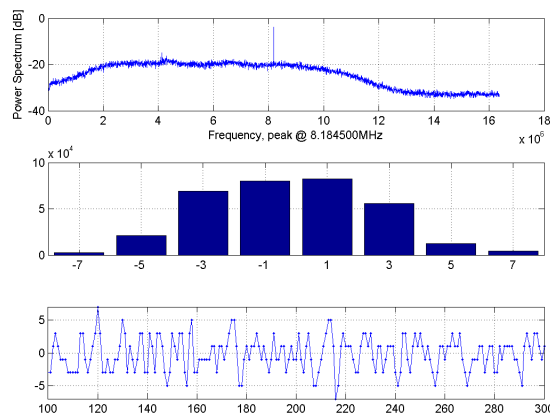
- Maxim/Dallas MAX2769 RF front-end
 - GPS/GLONASS/Galileo Receivers
 - Fractional-N Synthesizer with Integrated VCO
 - Dual-Input Uncommitted LNA
 - 25 mm² package area
- Xilinx CoolrunnerII CPLD
 - Two separate I/O banks
 - Flexible clocking modes
- Cypress FX2 microcontroller
 - Up to 30Mbytes/sec transfer
- Rakon IT3205 TCXO
 - 16.368 or 19.2 MHz, 0.5 ppm



SAMPLE APPLICATIONS

Glonass receiver

- 32.736 MHz sampling frequency
- 3 bits per sample
- 8MHz band pass filter



Compass (Beidou2) receiver

- 16.368 MHz sampling frequency
- 2+2 bits per sample
- VCO set at 1561.098 MHz
- 4.2MHz single sided low pass filter

