### Tracking Bay Electronics

The rocket tracking bay will provide ground control with GPS Coordinates of the rocket.  The GPS data will be sent in real time, to provide real time tracking of the rocket body as it descends back to ground.  GPS Data will be stored in a JSON string, and the JSON string will be sent to ground over the serial stream radio.  The rocket tracking bay will consist of an Arduino board, a GPS module and a radio transceiver which can be seen in Figure 11 below.

* Arduino Mega 2650 - Microcontroller that interfaces the GPS module and the radio.
* SparkFun Venus GPS - GPS Module that outputs GPS Coordinates over a serial connection.
* XTEND-900 - Radio transceiver that receives and transmits an asynchronous serial stream.

