* After lowering the baud rate, I just don’t receive anything.
* Let’s try raising it to 19.2 ksps (0x73 🡪 0x83)
* Still not receiving anything, let’s go back to 9.6 ksps.
* LOL, I wasn’t compiling the subsystem project before programming it …
* Let’s do this ^^ Again.
* I’m getting a continuous stream of acknowledgements but nothing on the spectrum analyzer?
* I’ve been using the wrong pin for resetting stuff on the EPS SSM (just today) I need to be using PD1.
* Okay, I’m finally receiving stuff again. Let’s try upping and reducing the symbol rate again.
* Increasing / decreasing the symbol rate doesn’t seem to be having any positive effect.

**Q1:** What am I receiving?

**A:**

**Q2:** What should I be receiving?

* I’m going to try increasing the delay between subsequent SPI transfers on the Arduino code.
* Didn’t really seem to change anything.
* Changing it back.

**Note:** When I receive something, RX\_LENGTH is set to 79 (when it should be 78).

* Let’s try using dir\_FIFOread instead of reg\_read(STDFIFO)
* **That actually looks better!**
* Let’s start printing stuff to the serial monitor in HEX, this is getting confusing.
* **Looks almost right, need to cross reference with what’s being sent.**
* Transceiver\_send( ) (In SSM Code):
* I send length +3 which is indeed 79.
* When communicating between SSMs, this is what works, however the Arduino actually picks up the 79 bytes.
* **Just ignore that last byte.**
* **Also, for some reason the length byte isn’t being inserted into the array for the Arduino, just the device address is. So everything is shifted to the left by one byte.**
* Swapped out if(new\_packet[0]) … for if(rx\_length) …
* GOOD PACKET ☺
* Now to turn sending back on…
* Receiving still works.
* Need to fix the “ACK” which is sent to the SSM from the Arduino.
* Sending and receiving works with Arduino ☺
* Need to make sure this still works on the Arduino Uno.
* Going from Micro to UNO: Clock frequency goes from 8MHz to 16MHz
* Keep clock divider at 128 causes the micro to stall?
* Try SPI speed of 1 MHZ.
* Not receiving anything but not stalling either