

Circuit Description:

Currently our design features a Tayloe Mixer, Butterworth bandpass filter, instrumentation amplifier, S15351A local oscillator, and will likely have Arduino Nano connections. Ideally, the design will support 12-16MHz and will use a soundcard to integrate with SDR software. Also note that currently many of the values are either random or based off of the work on previous classes, such as the work shown in the text for this class. For the bandpass filter, the plan is to use an online calculator to refine the values we have. The necessary values should be acquired shortly, it is just a matter of needing time to refine what we have already. All work at this point is subject to change.