Sponsor Meeting 3-28-2016

Wiring of the component box nearly done, just one more thing to solder on. Will be done by the time Pete comes in for the meeting.

A clear square wave hasn’t quite been produced by the circuit that was designed. As a backup, we have a pulse generator to do that work just in case. If we outsource the fabrication of a new PCB circuit, we need to do it sooner rather than later. We should investigate the reason why it isn’t working as intended first, investigate when Pete gets here.

Left enough space in the box to but a small op amp circuit to pump up the IQ demod values, if necessary. We make longer or shorter leads on any connection in case we have to move the wiring or components slightly to fit in other small adjustments.

Questions on the presentation:

1. Data visualization slides? What is up with the 3D dimension?
2. Did we understand how the calibration math actually works out?
3. The plot of the apparent “Square wave”. Is that lack of being very square due to bad connections? We may need to do some impedance matching. Just need to get this above the threshold voltage, it doesn’t need to look pretty.