Attendees:

Intan:

* 2.2 kSamples/Second for 35 channels
  + 1.3 mA \* 3.3 V to power intan chip
  + 510 uA +150 uA to for ADC
* Should buy 64 channel so you don’t have to rebuild system

Wireless Chips/BLE

* Broadcom: A4WP wireless charging
  + Works only over a few cm and depends on geometry and angle
* Aggregate bandwidth of BLE (with a lot of senders at the same time).
  + look into 31 Mbps BT paper and book
  + \*Must determine if we have enough bandwidth; speculate that we don’t have enough

Batteries

* Zinc air battery: 300 mAh at 1.4
  + 7.9 mm x 5.6 mm (diameter x height)

Compression  
 - Huffman Encoding: 40.9% save

* Ask CMC lab for BT test equipment if required

For ble bandwidth, are we limited because we are using 1 channel?

The TI chip has 38 channels, why can’t we have 16 different channels?

* Can you set up each transmitter on a single channel streaming on independent channels?
* <http://www.radio-electronics.com/info/wireless/bluetooth/radio-interface-modulation.php>
* <http://www.argenox.com/bluetooth-low-energy-ble-v4-0-development/library/a-ble-advertising-primer/>