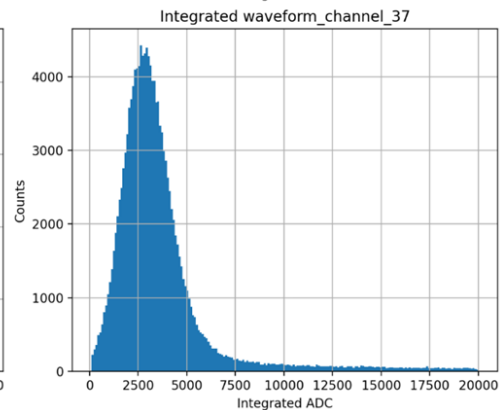
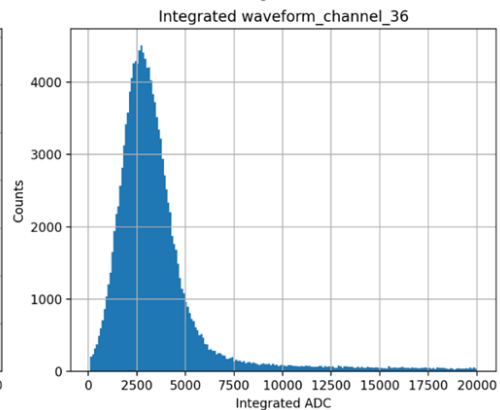
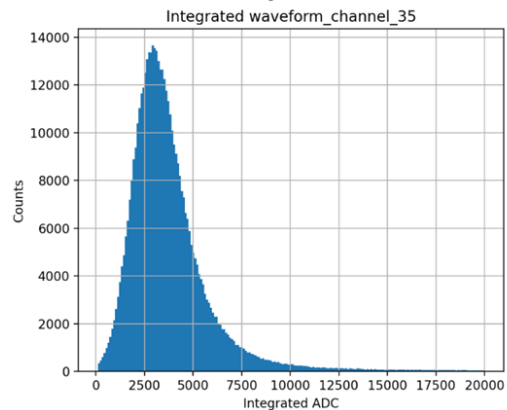
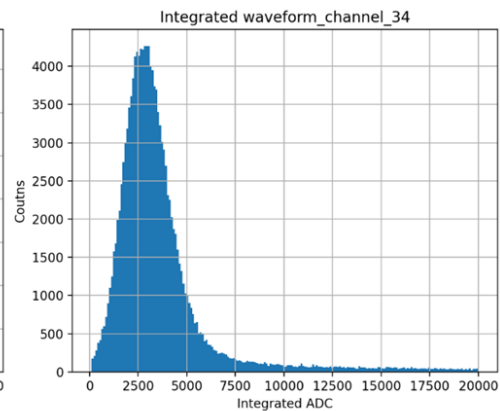
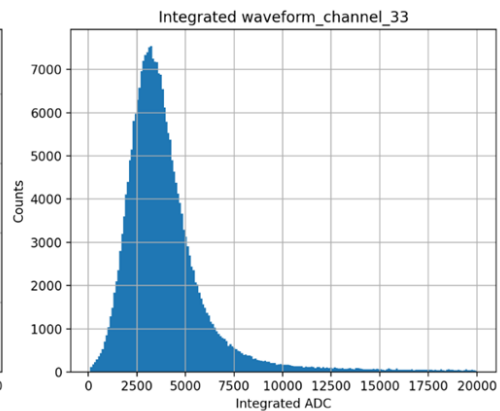
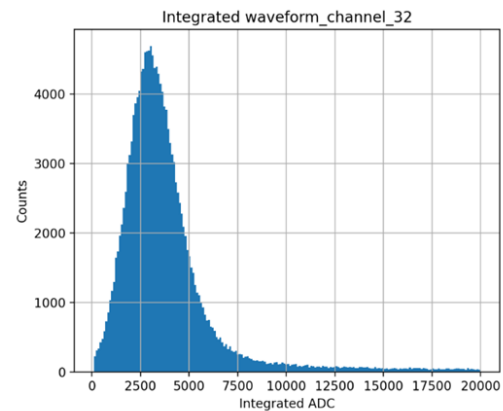


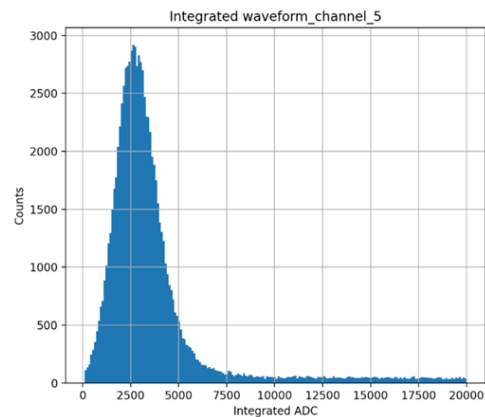
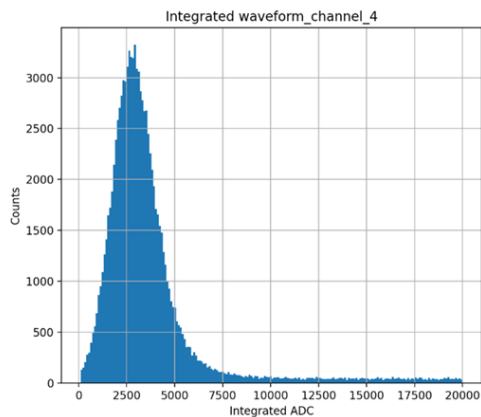
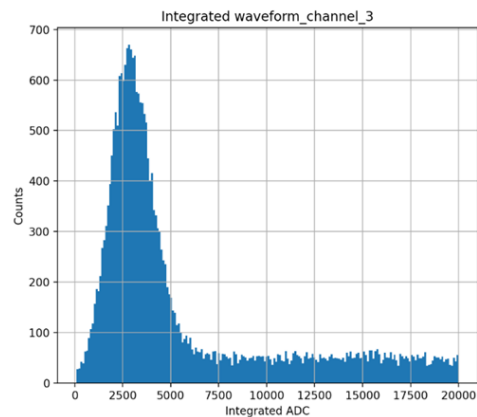
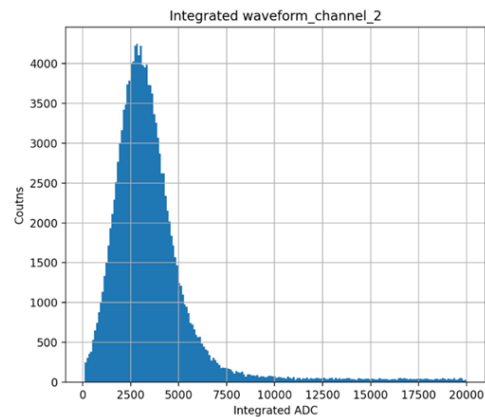
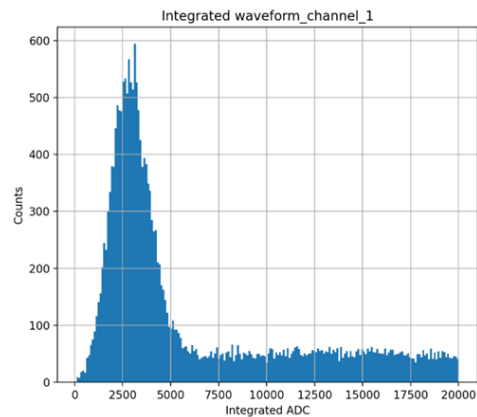
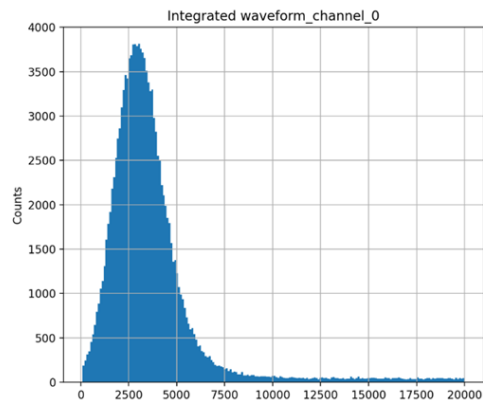
Single Cube

PEN vs ArCLight

Integrated Waveform



Integrated Waveform

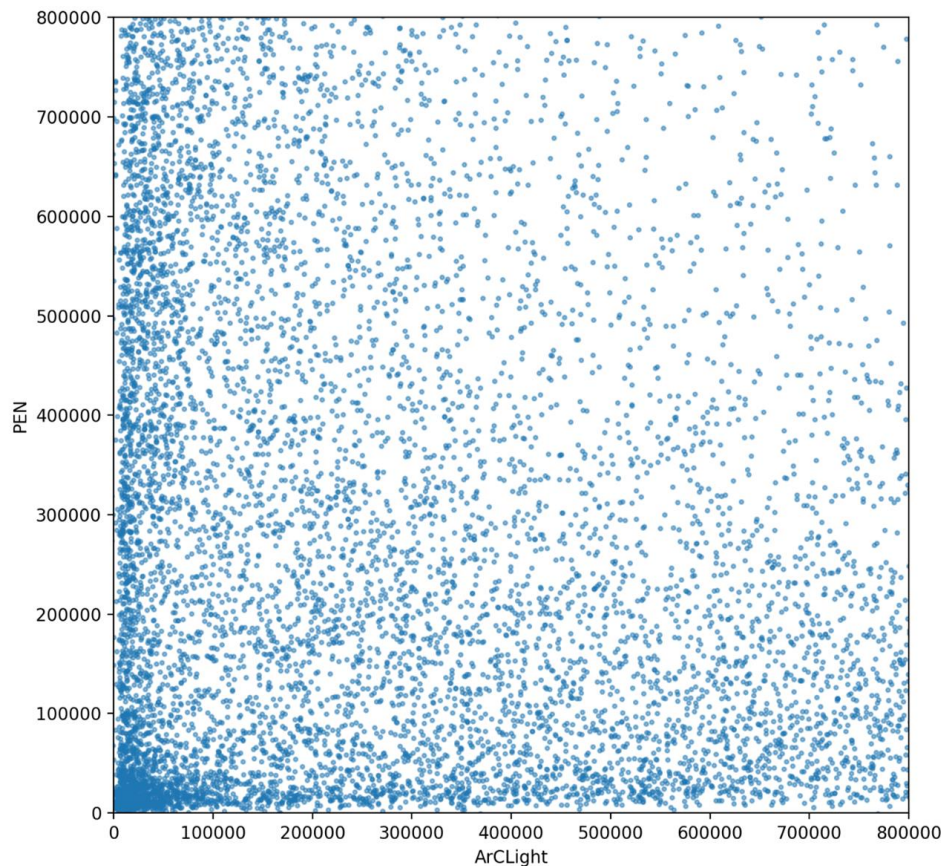


PEN vs ArCLight

Looking at Run 108 with

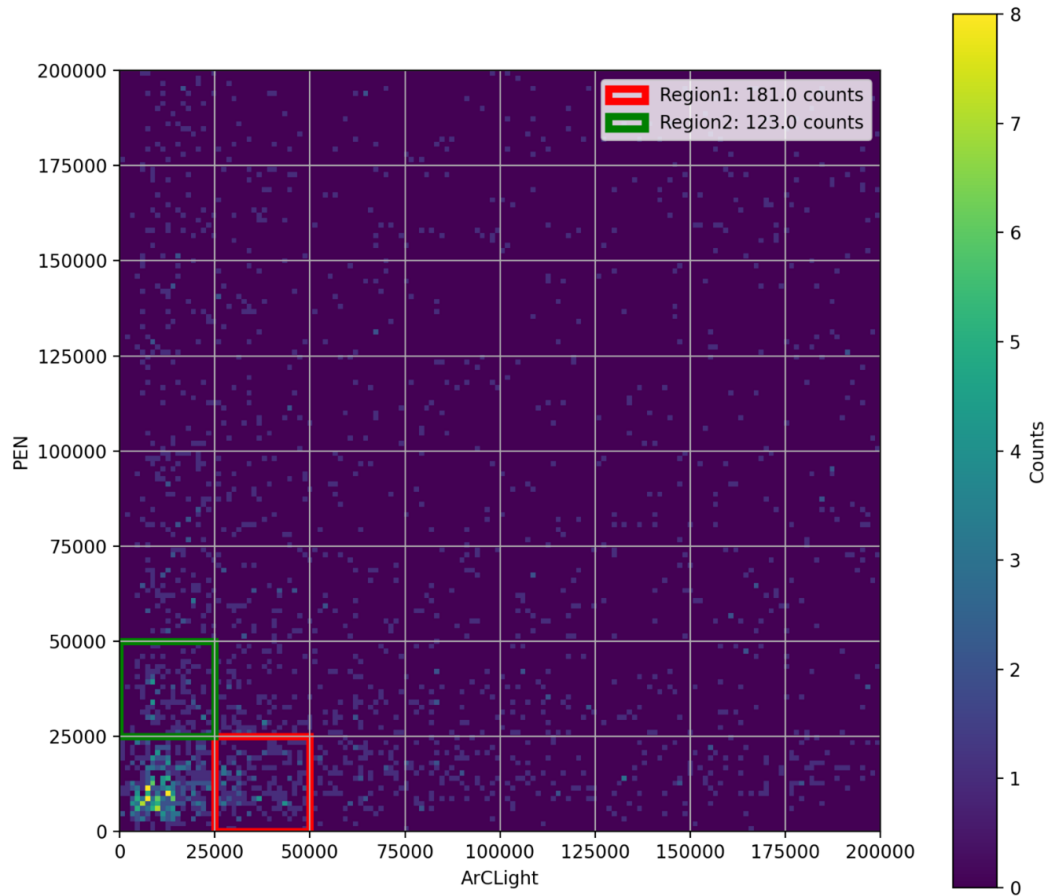
- Vgain = 1750
- Vbias = 1250
- Threshold = 300

- Showing integrated waveform
- For PEN and ArCLight events with same timestamp within 200 ticks
- Number of correlated events: 21530



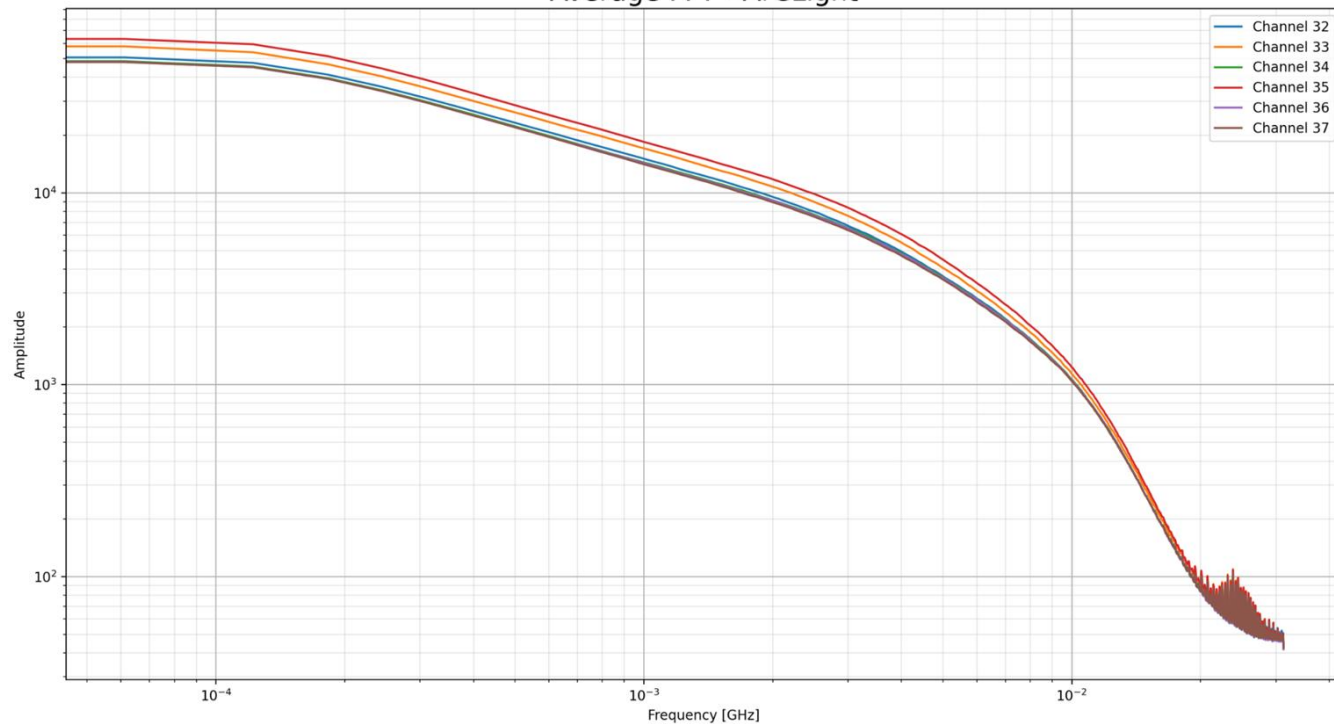
PEN vs ArCLight

- Compare two diagonal regions to “compare” ArCLight and PEN
 - $\text{ArCLight}/\text{PEN} = 1.47$



FFT Analysis

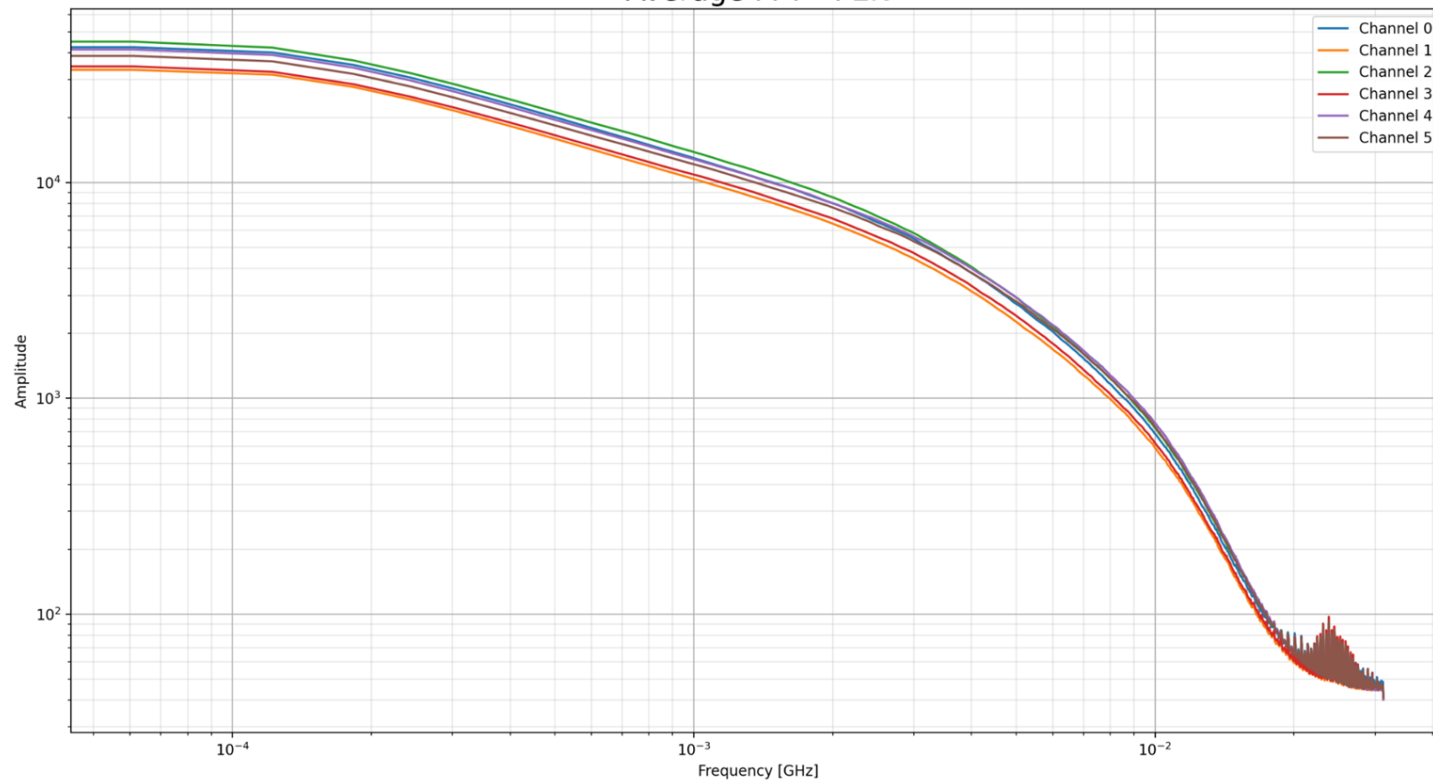
Average FFT - ArCLight



- Run: 108
- Vgain: 1750
- Vbias: 1250
- Threshold: 300

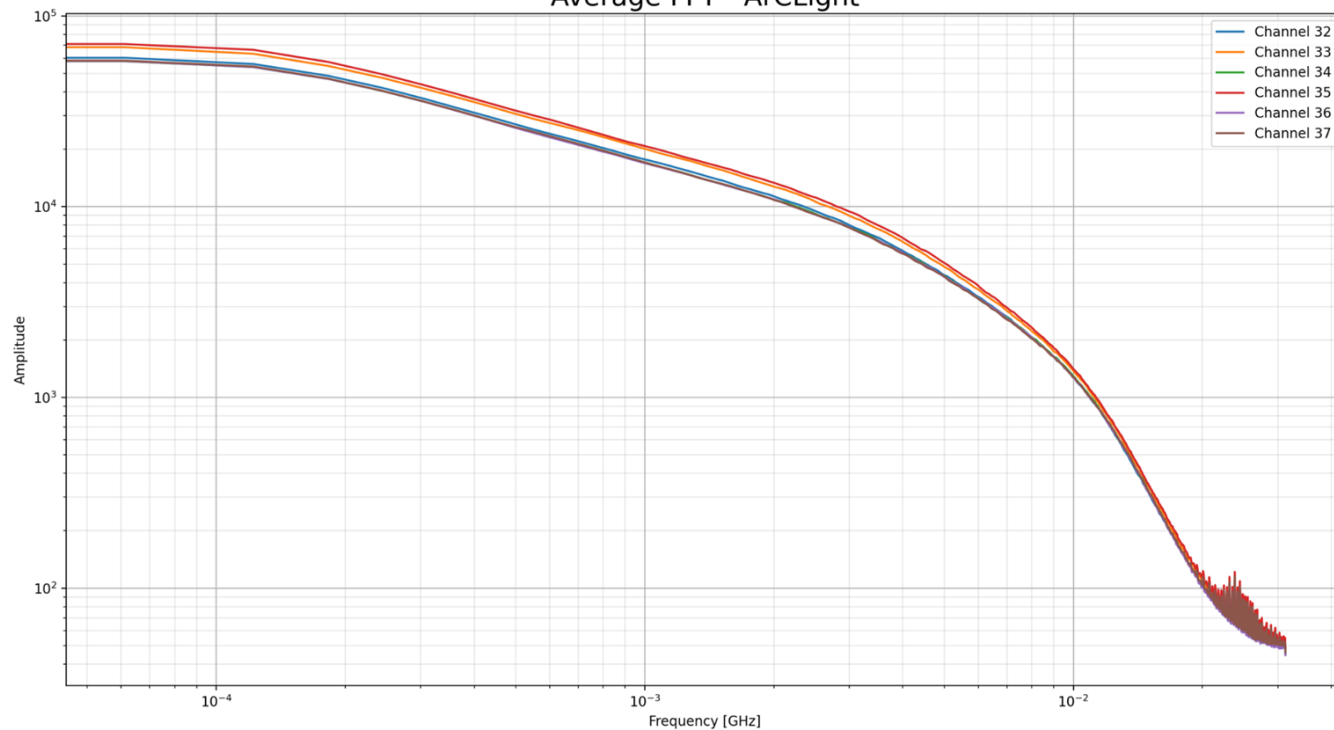
FFT Analysis

Average FFT - PEN



FFT Analysis

Average FFT - ArCLight



- Run: 107

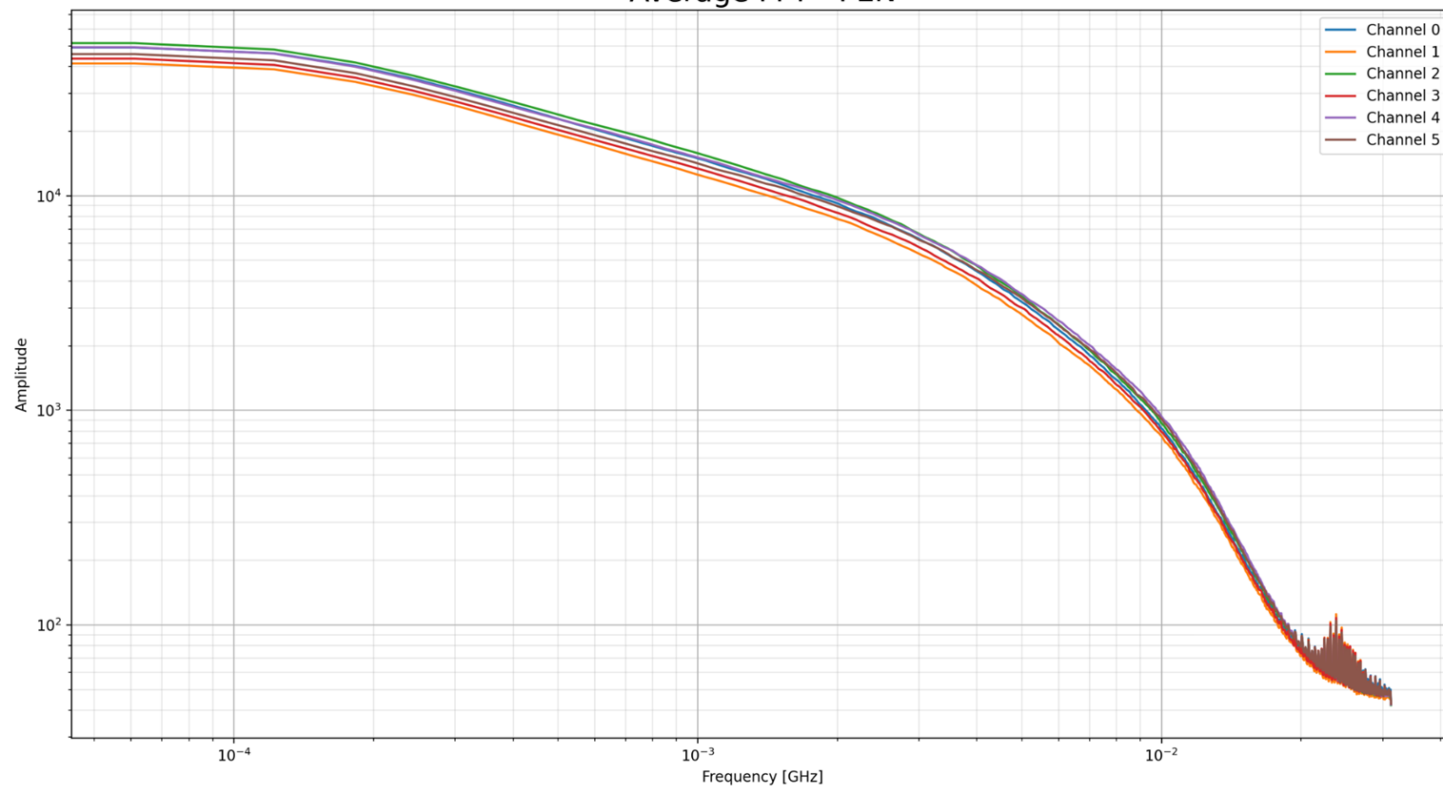
- Vgain: 1500

- Vbias: 1250

- Threshold: 300

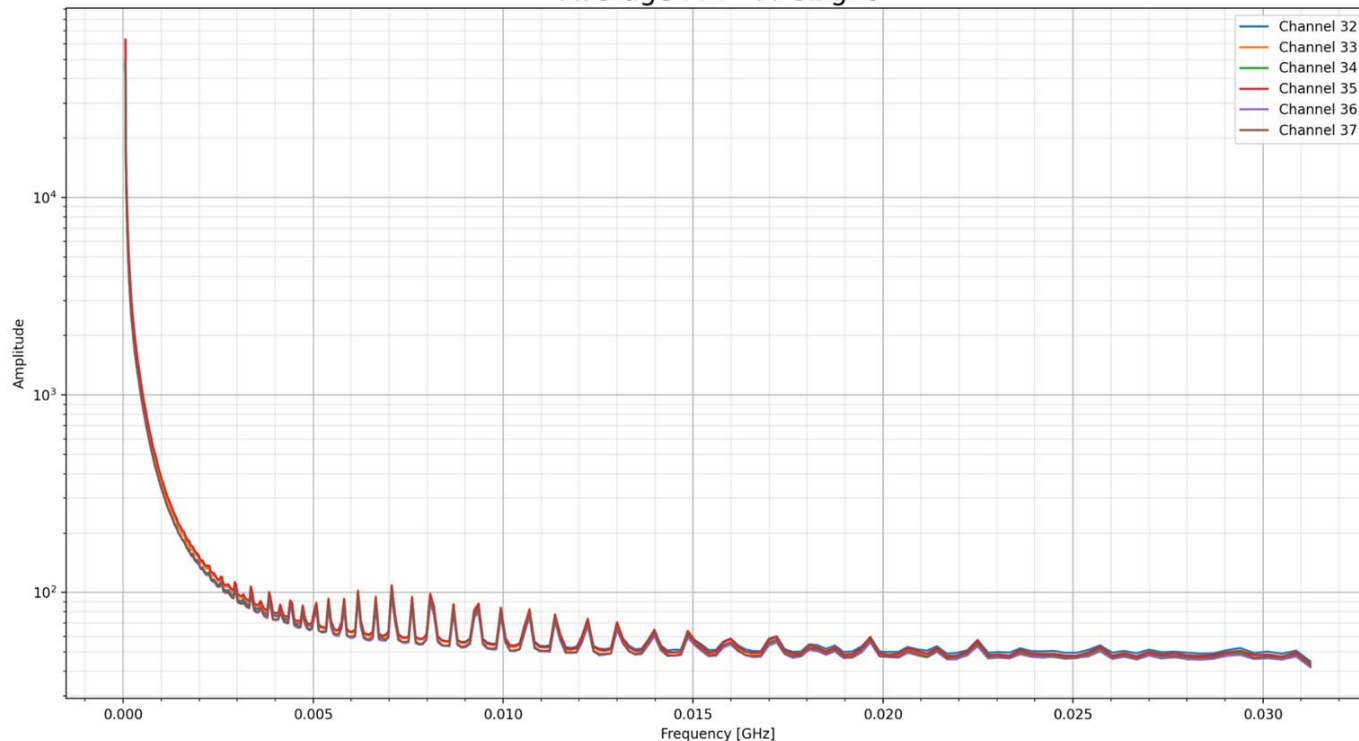
FFT Analysis

Average FFT - PEN



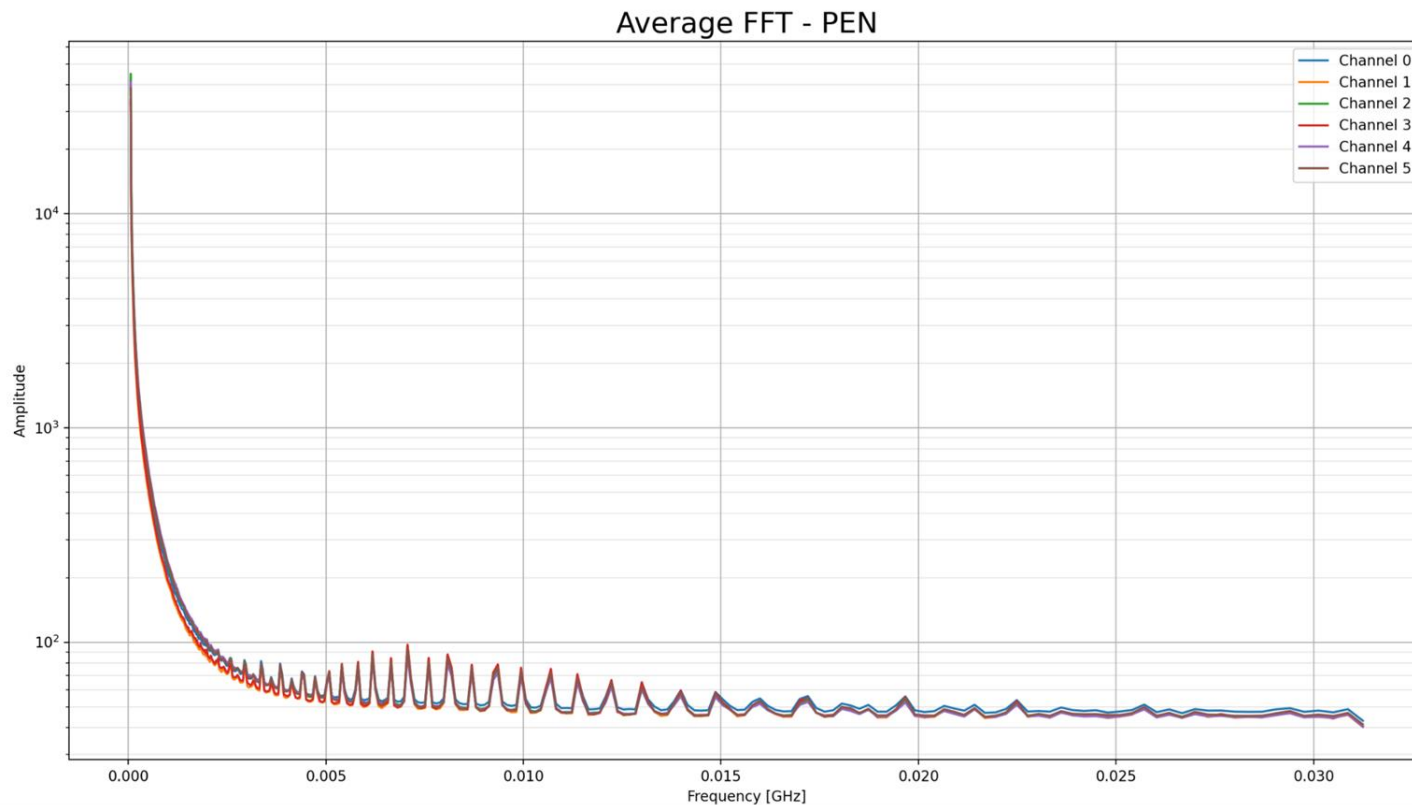
FFT Analysis: Frequency log-scaled

Average FFT - ArCLight

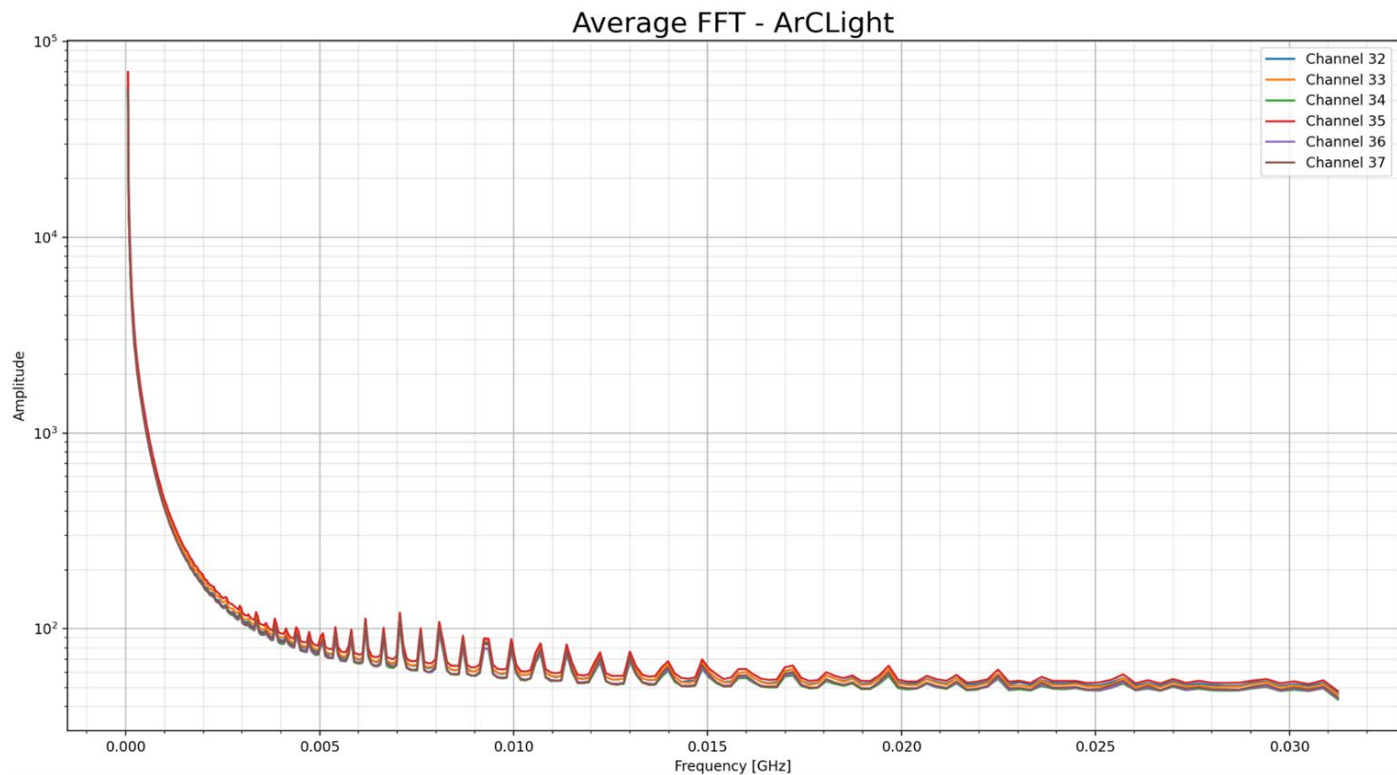


- Run: 108
- Vgain: 1750
- Vbias: 1250
- Threshold: 300

FFT Analysis: Frequency log-scaled



FFT Analysis: Frequency log-scaled



- Run: 107
- Vgain: 1500
- Vbias: 1250
- Threshold: 300

FFT Analysis: Frequency log-scaled

