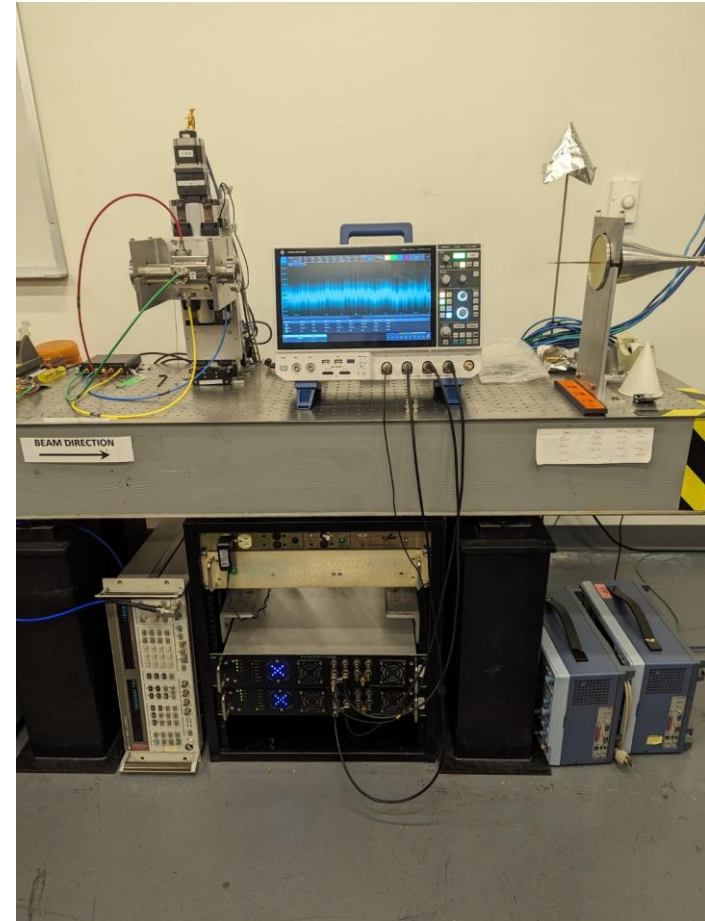Input signals band-limited to 20 MHz
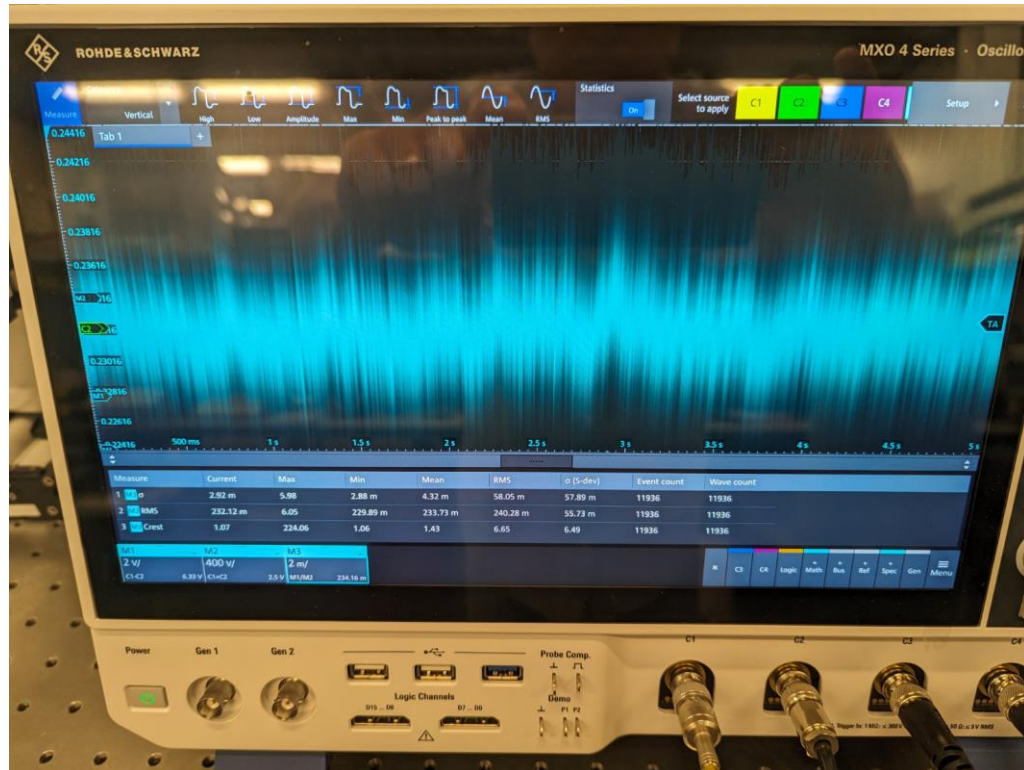
5 Second Time Span (500 ms/div)

$$\frac{Rx_A - Rx_B}{Rx_A + Rx_B}$$

$$\frac{Rx_A - Rx_B}{Rx_A + Rx_B} \quad \text{...with spectrum to 1 MHz}$$

Coefficient of Variance vs RF Input

(Representing Beam Currents from 5-100 uA)

50 Ohm Test Load on Ch1 and Ch2:
   CoV = 261.16
   RMS = 324.72
   C.F. = 128
...well within the measurement range
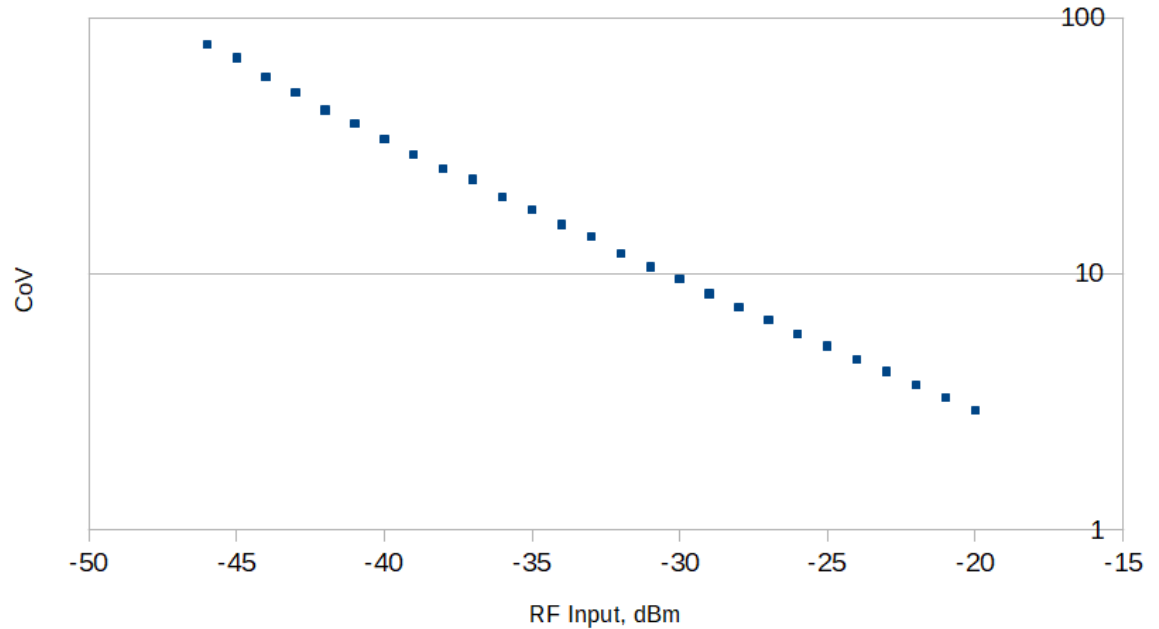
100 m-Second Time Span (10 ms/div)

$$\frac{Rx_A - Rx_B}{Rx_A + Rx_B}$$

$$\frac{Rx_A - Rx_B}{Rx_A + Rx_B} \quad \text{...with spectrum to 1 MHz}$$
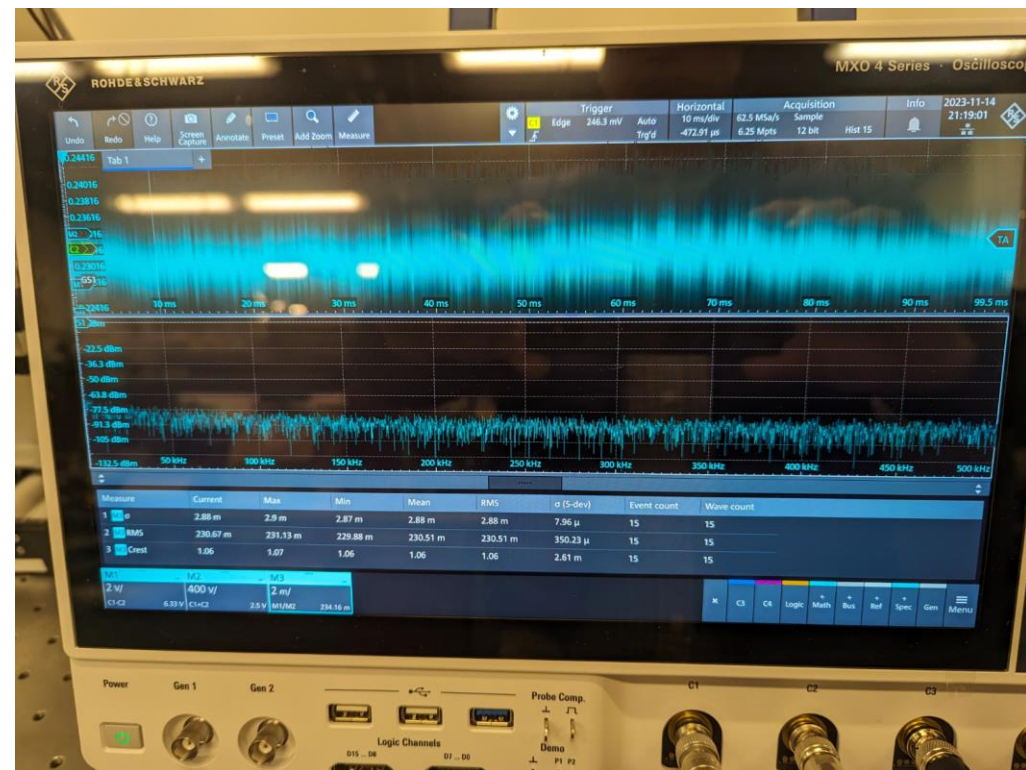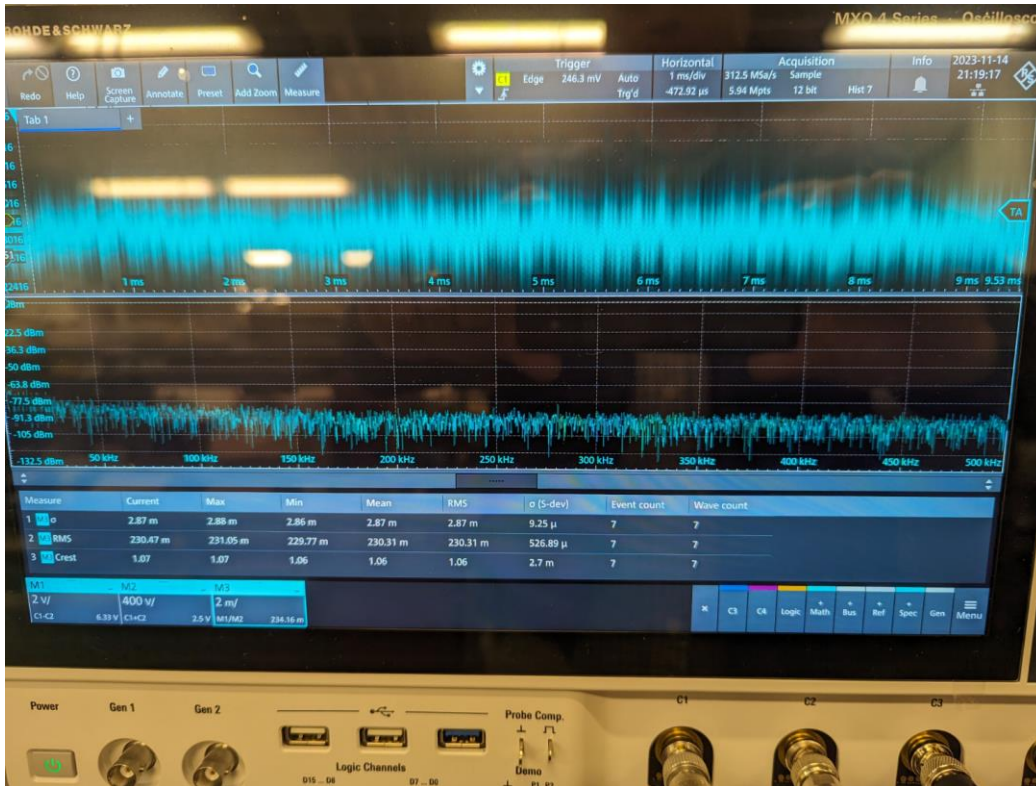
10 m-Second Time Span (1 ms/div)

$$\frac{Rx_A - Rx_B}{Rx_A + Rx_B}$$ ...with spectrum to 1 MHz

$$\frac{Rx_A - Rx_B}{Rx_A + Rx_B}$$ ...with spectrum to 15 kHz