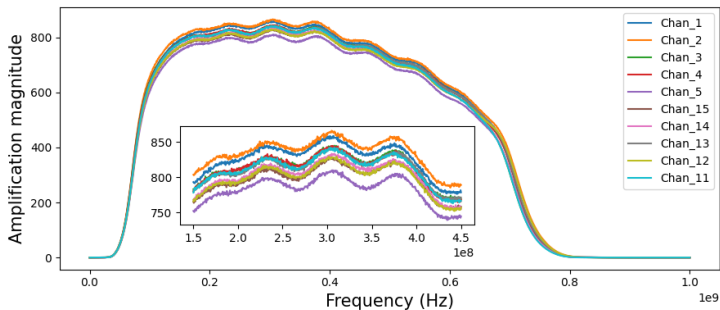


# Comparison of amplifiers

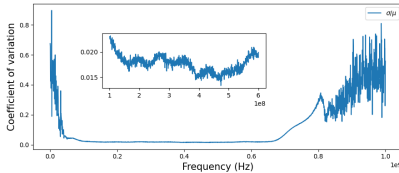
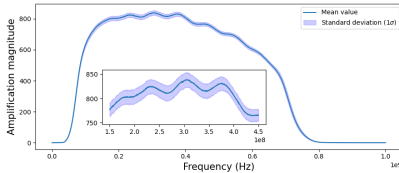
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- ▶ We observe the same patterns for all amplifiers. The signal is amplified for frequencies between  $\sim 100$  MHz and  $\sim 650$  MHz with a maximum of amplification of  $\sim 800$ .
- ▶ For frequencies in this bandwidth, the amplifier Chan\_5 (purple) is the one with the lowest amplification and the amplifier Chan\_2 (orange) is the one with the highest amplification.



- ▶ We assume all amplifiers should have the same characteristics. The top figure shows the mean value and the uncertainty as a function of the frequency.
- ▶ Amplifiers amplify the signal (they reach at least 50% of the maximum amplification) between  $78.4 \pm 0.6$  MHz and  $685 \pm 4$  MHz.
- ▶ The coefficient of variation ( $\sigma/\mu$ ) is the lowest for this interval (see bottom figure).