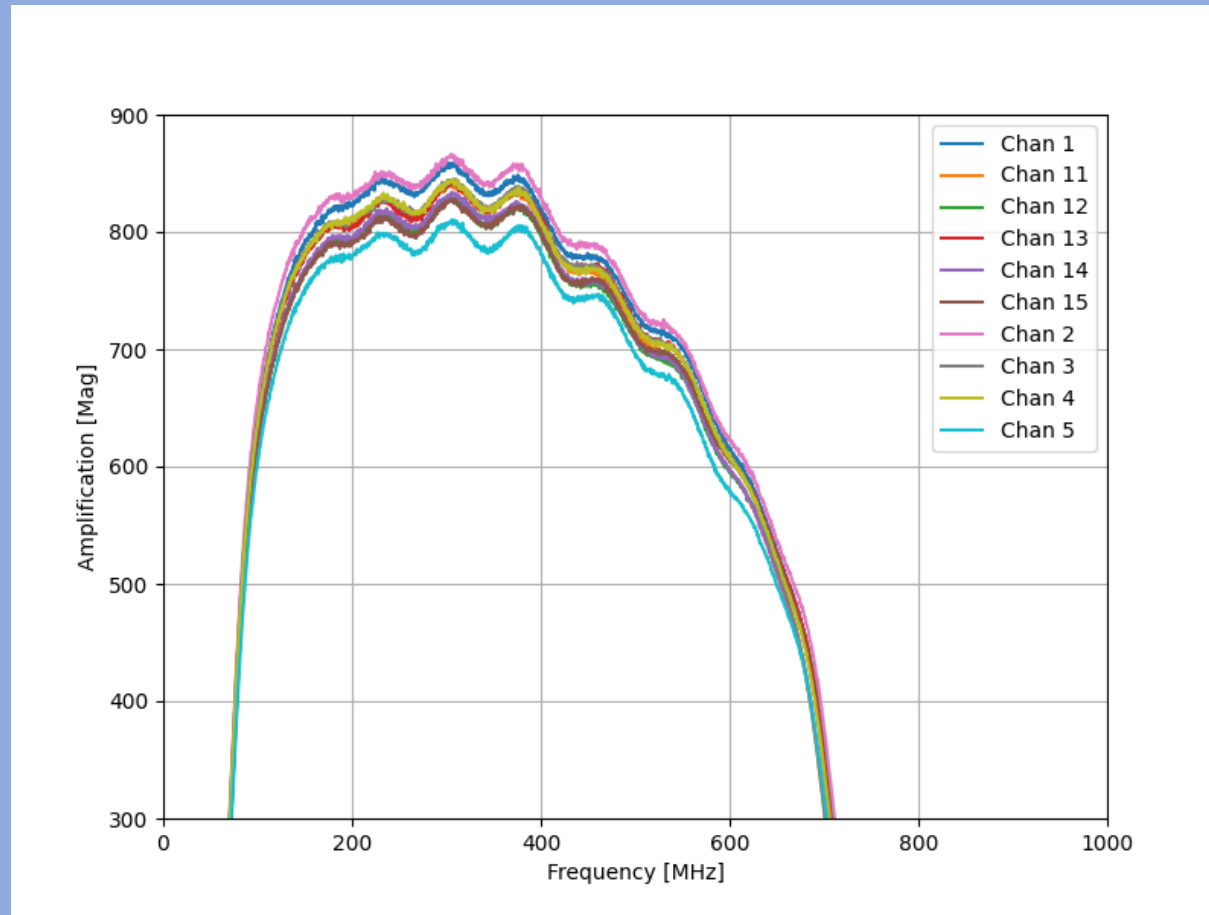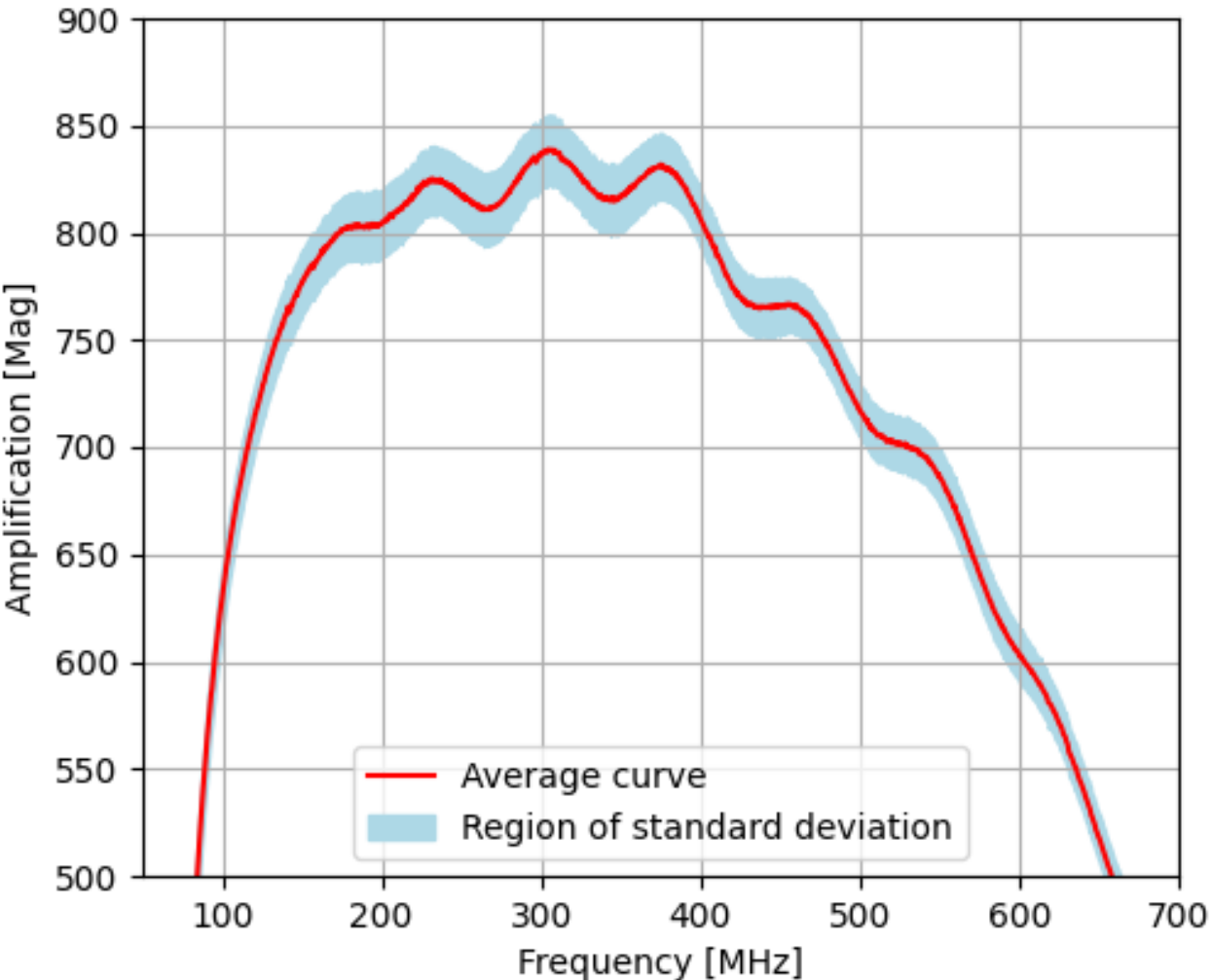# How similar or how different are the ten amplifiers?
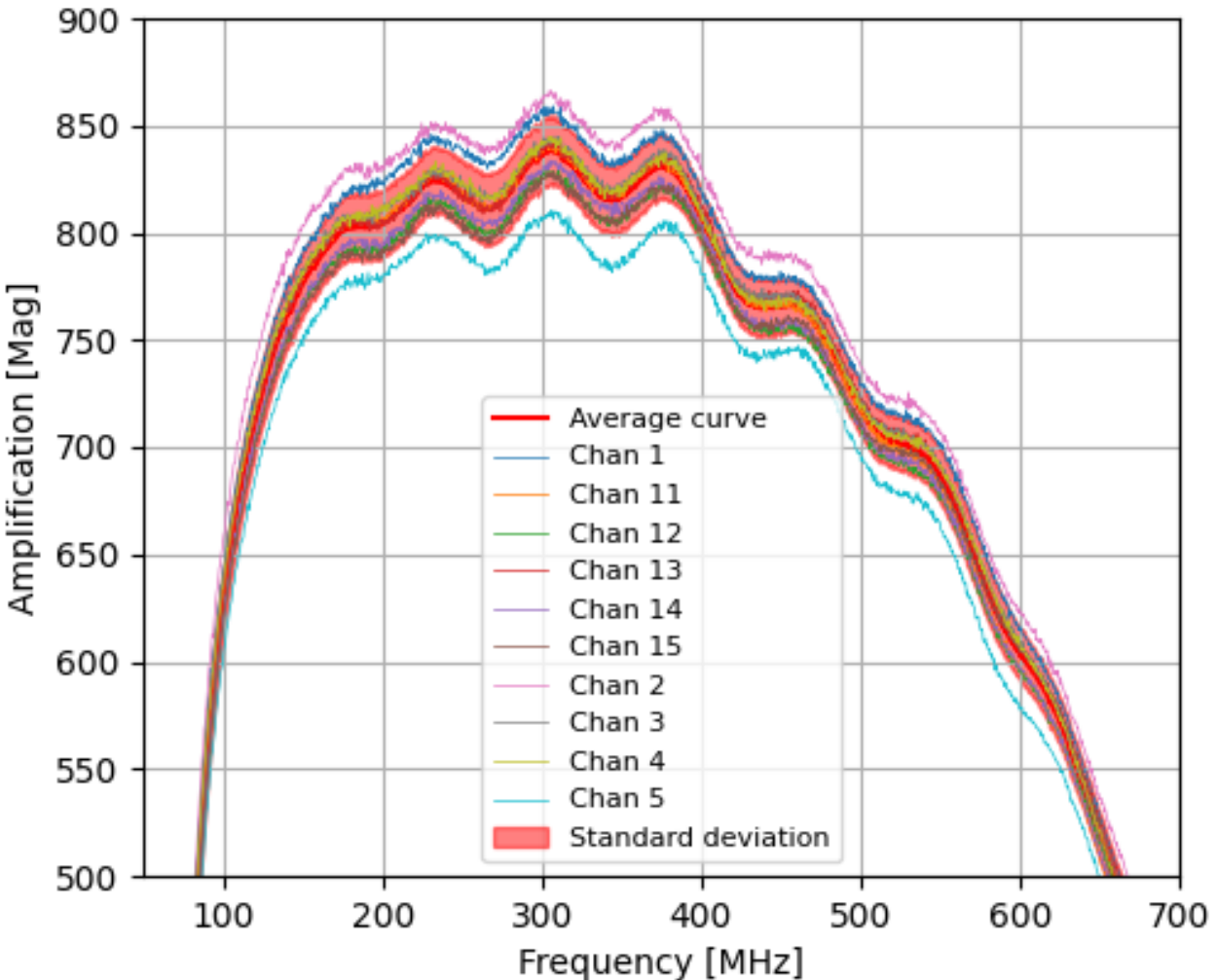

Solution by Frederike Apel

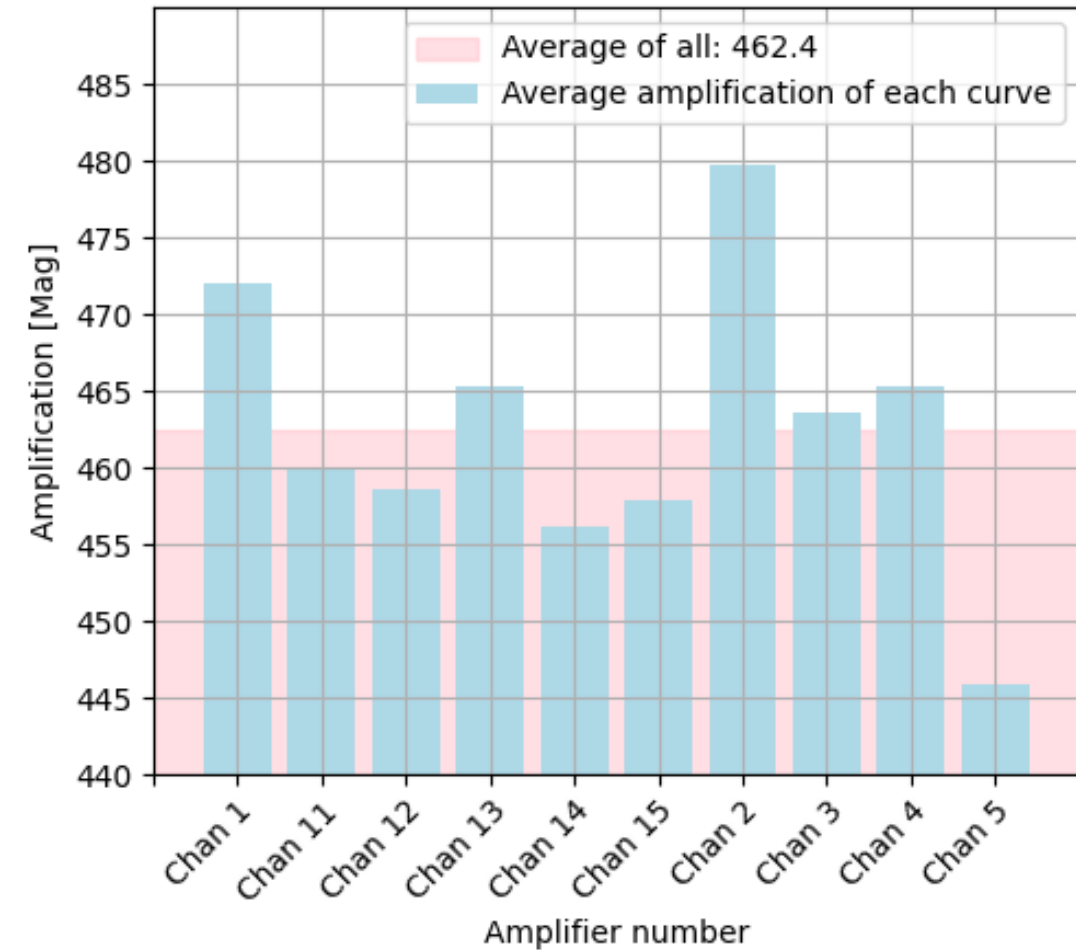# Average curve with standard deviation

The average curve was calculated by taking the average of the ten amplification magnitudes for each frequency

All ten curves in comparison with the region of standard deviation

Final result: Comparison of the amplifiers

- Average curve of all ten amplifiers while the blue region shows the standard deviation
- Chan 1, Chan 2 and Chan 5 are outside the lightblue region
- The other curves are inside the blue region

- For each curve the average amplification magnitude was calculated to have one single quantity per amplifier for the comparison between the curves
- Average of these ten amplification magnitudes: 462.4