

AVANTIX

Avancement CBE

AVANTIX

Classification modulation

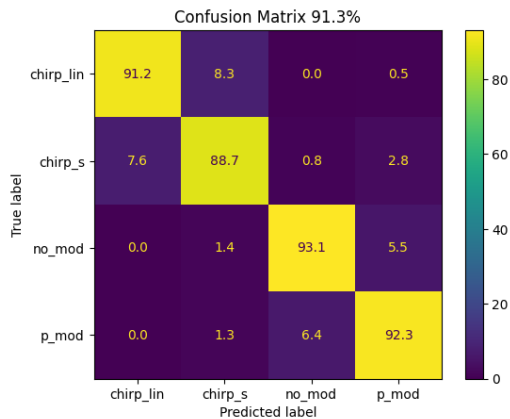
Classification modulation

9 fichiers /data/SIGINT/FVE/LEGO_FV/long_LEGO_FV_noP124_snropt_{snropt}_iq.pkl @ 4GSps

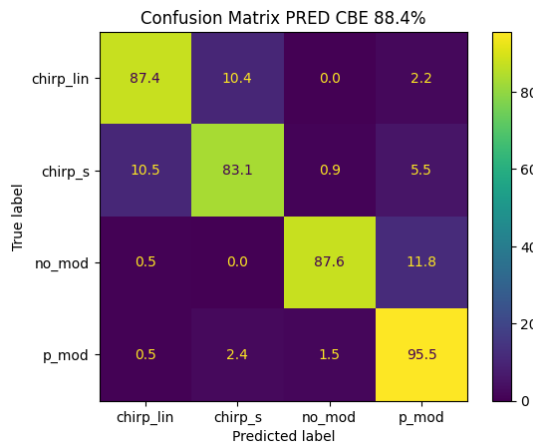
snropt = [10, 18] dB → Base d'apprentissage

Réapprentissage en tenant compte des dernières modifs de iq2pdw + Refactoring de l'arbre afin d'optimiser le nombre de comparaisons

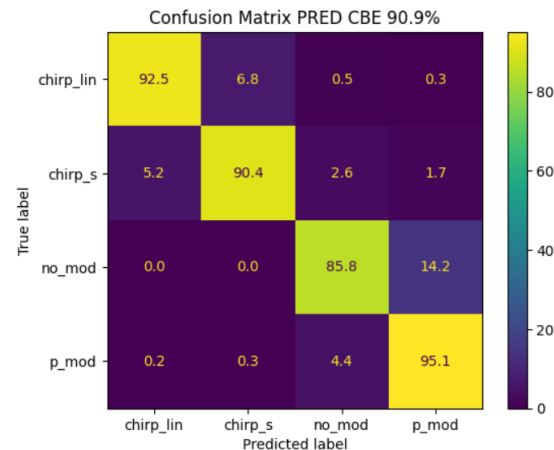
09/07



27/07



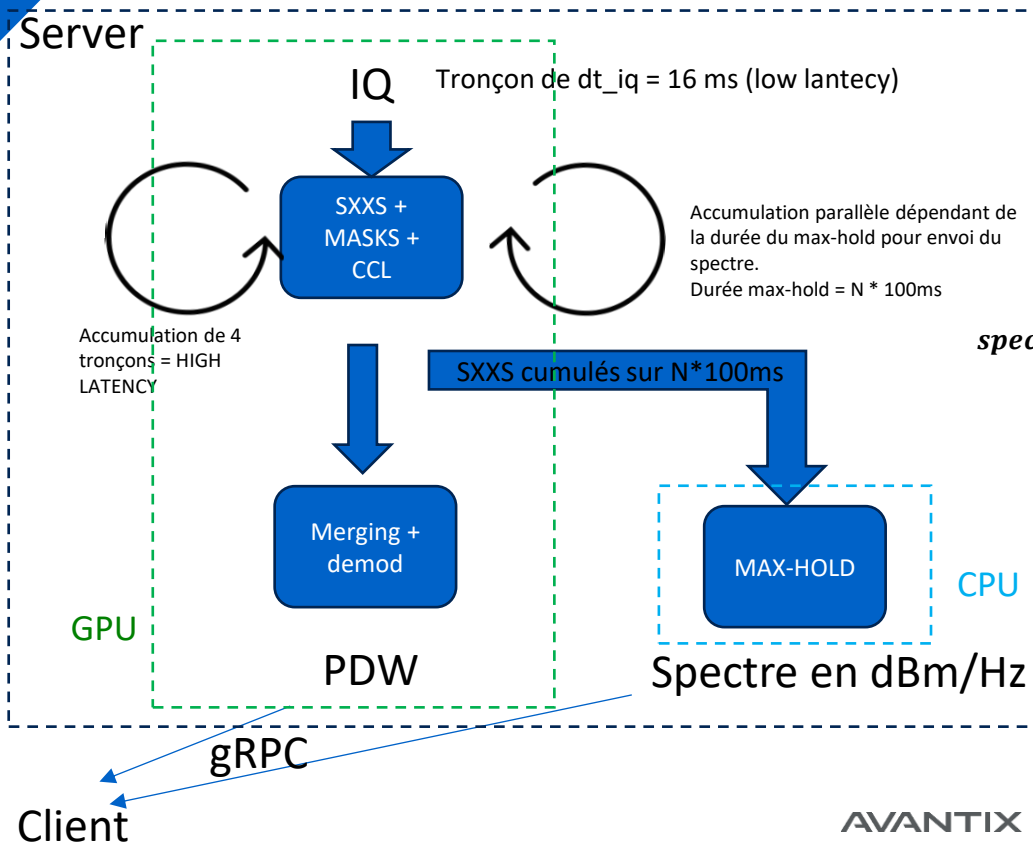
03/09



AVANTIX

IQ2PDW-Visu PDW

Fonctionnement



$$sxx = \frac{|fft(iq.view(-1, nperseg))|^2}{\sigma^2 * \sum w_i^2}$$

$$spectre = 10 * \log_{10}(\max(sxx * \sigma * \frac{1}{G_{int16 \rightarrow fp16}} * \frac{1}{G_{RF}} * \frac{1}{1mW} *))$$

AVANTIX

MERCI