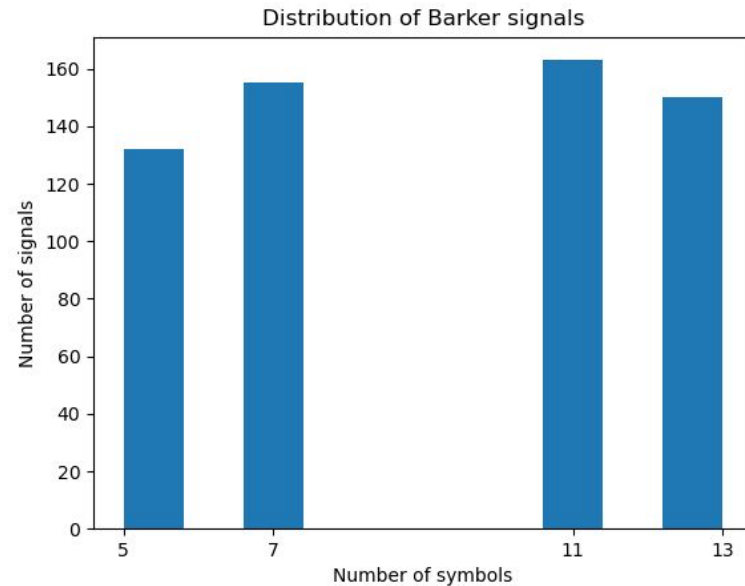
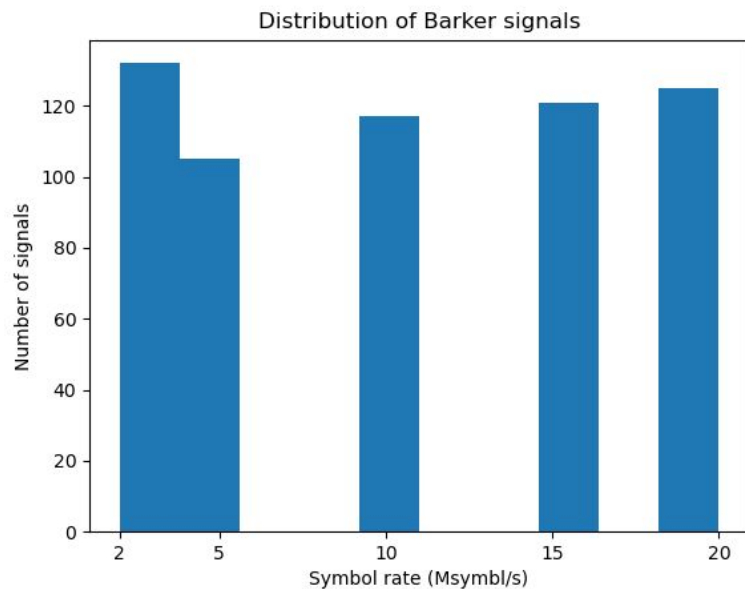


Barker (600 signals at -2 dB)

Barker lengths : {5, 7, 11, 13}

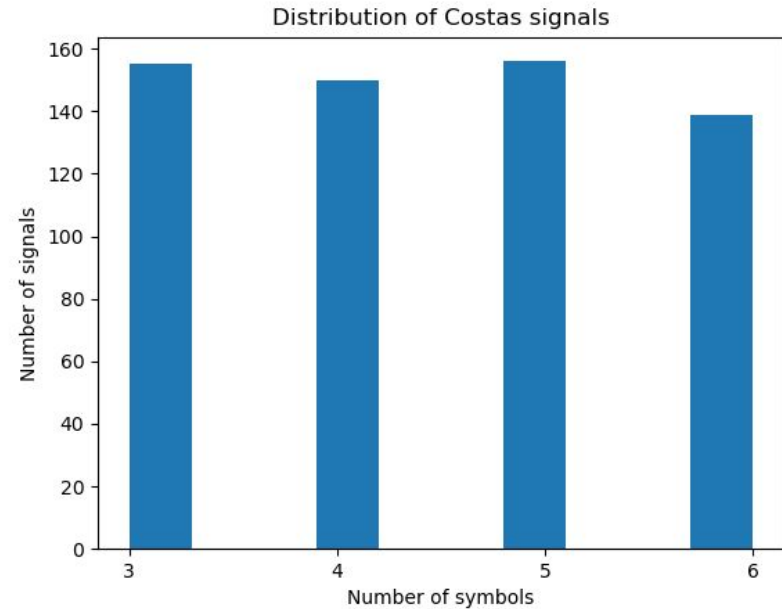
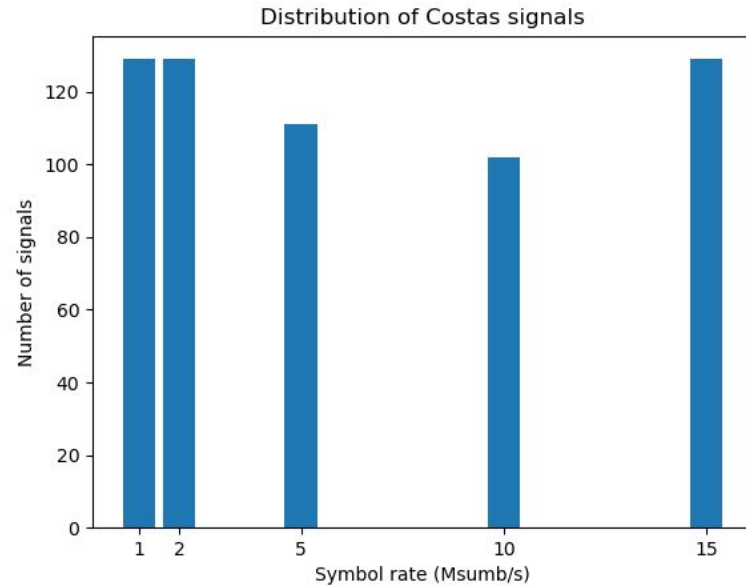
Barker symbol rates: {2, 5, 10, 15, 20}



Costas (600 signals at - 2 dB)

Costas lengths: {3, 4, 5, 6}

Costas symbol rates : {1, 2, 5, 10, 15}

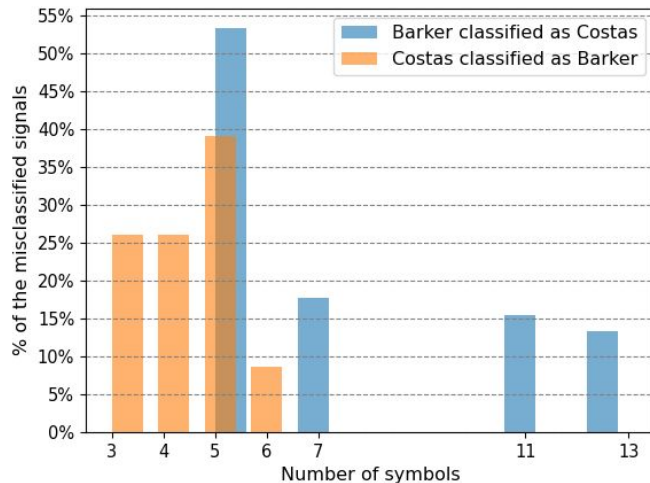
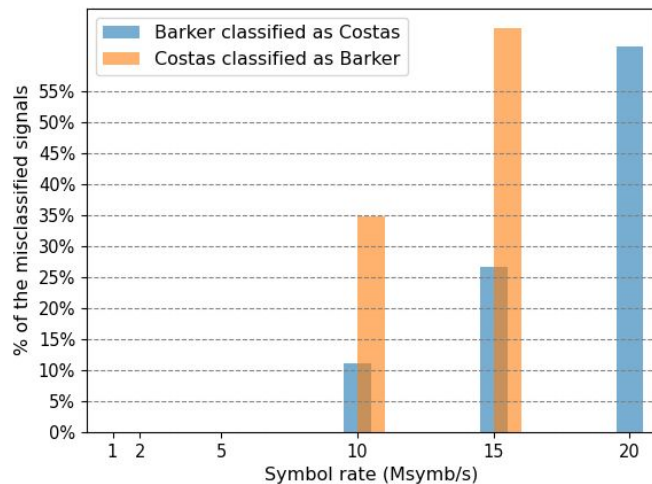


Properties of the signals being misclassified (barker as costas and viceversa)

Number of misclassified signals:

Barker as costas: 45/600

Costas as barker: 23/600



Original duration of the signals before the interpolation

Barker

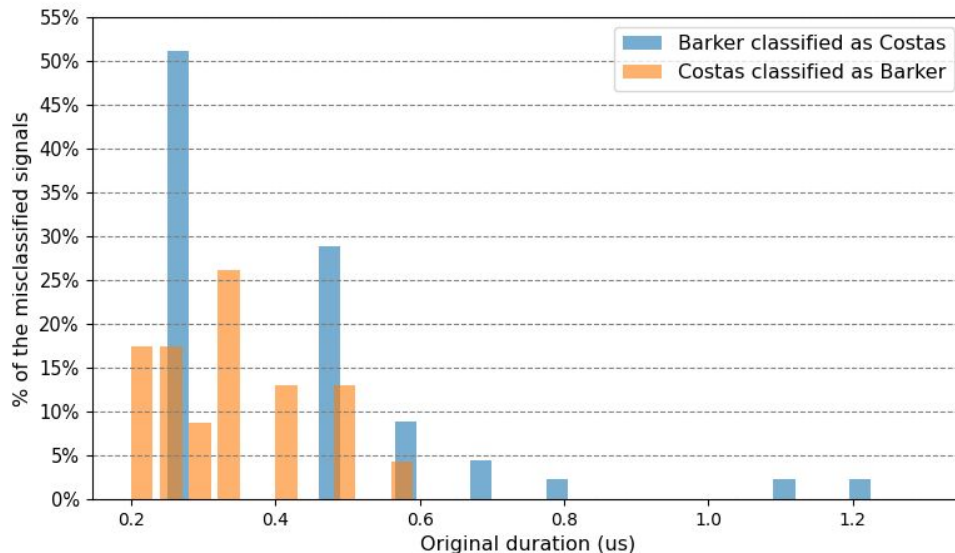
max duration = 6.5 us

min duration = 0.25 us

Costas

max duration = 6 us

min duration = 0.2 us



The slow signals (before interpolation) are the ones being misclassified!!