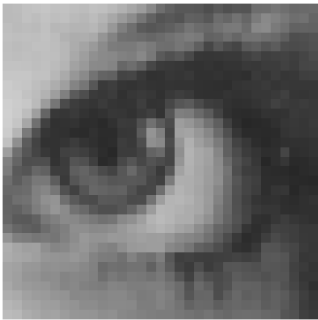
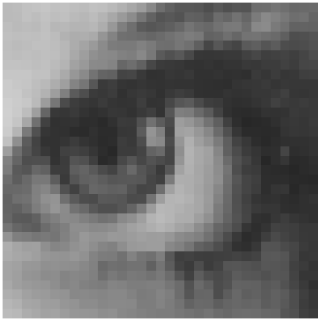
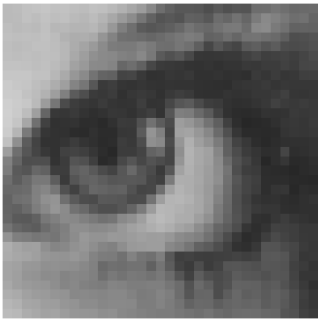


Tarea 06

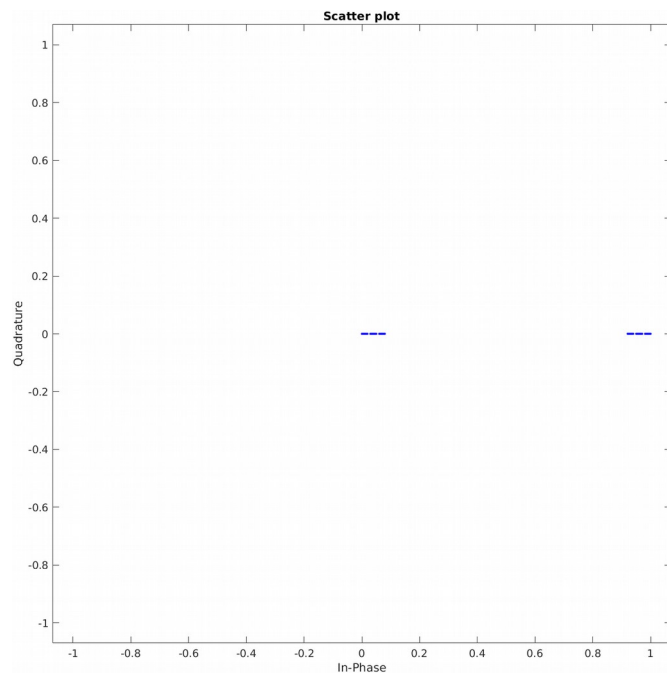
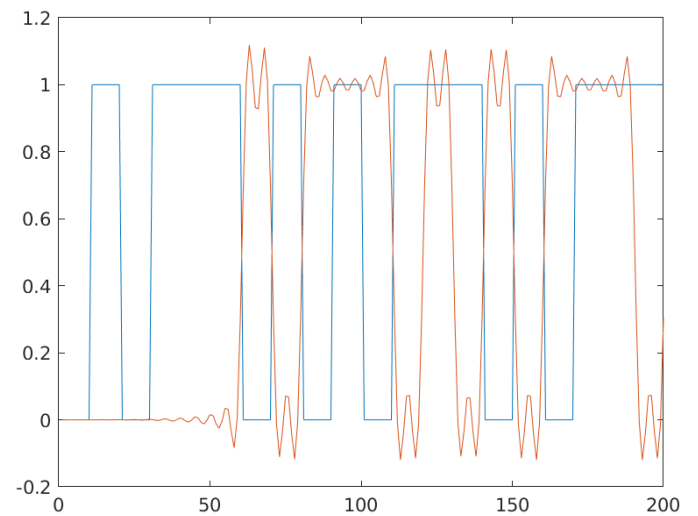
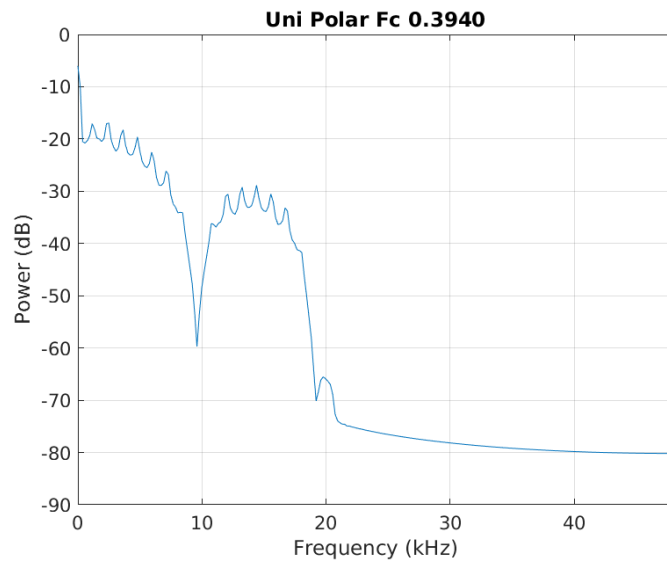
UNIPOLAR

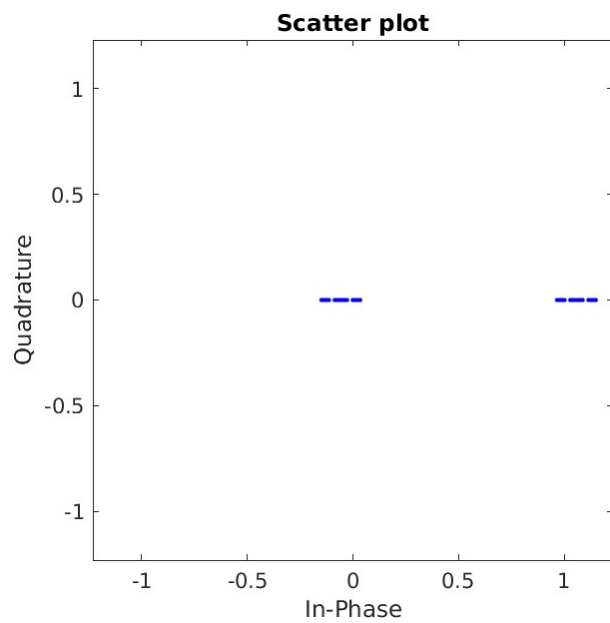
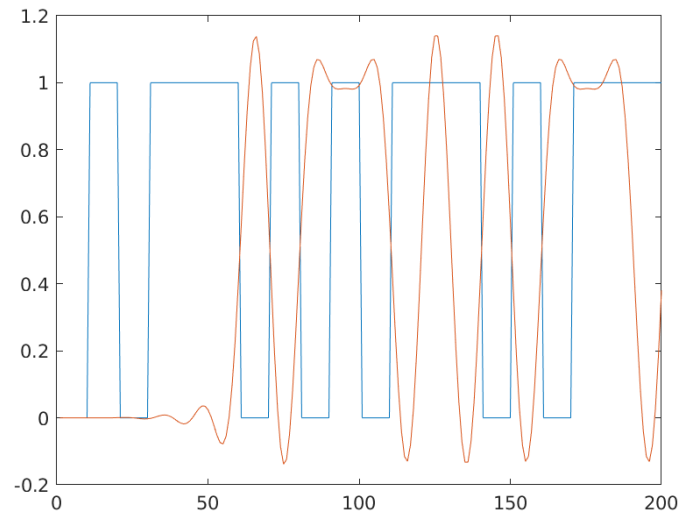
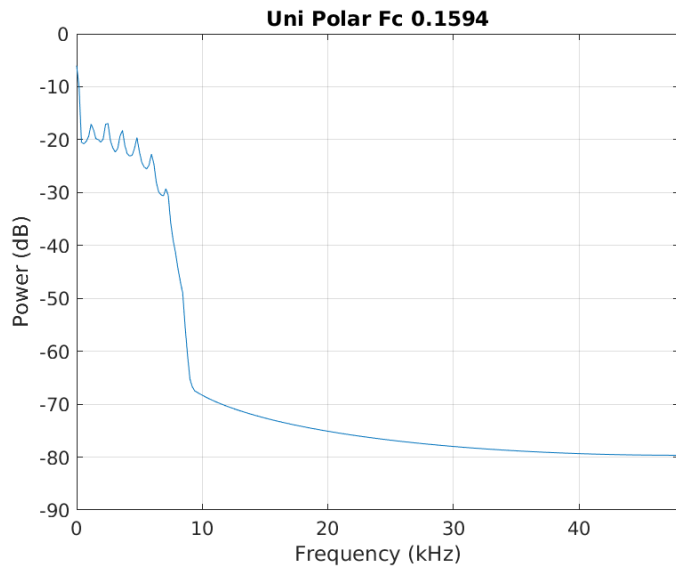
Fc LPF	Img	Error
0.394		NO ERROR
0.1594		NO ERROR
0.094		NO ERROR

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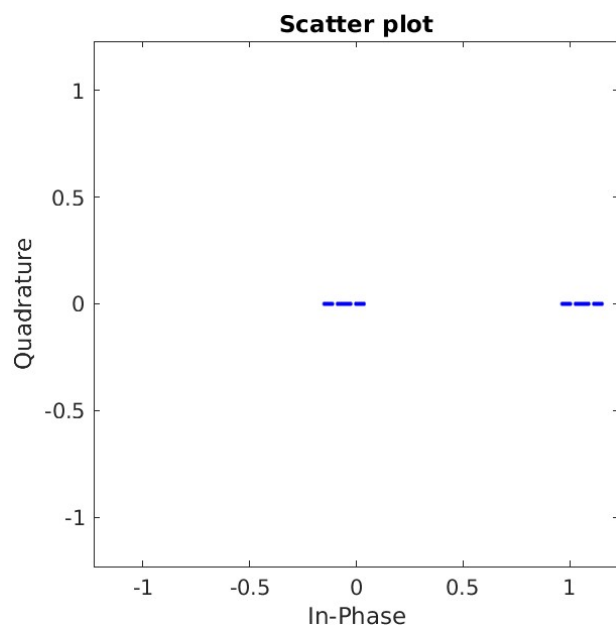
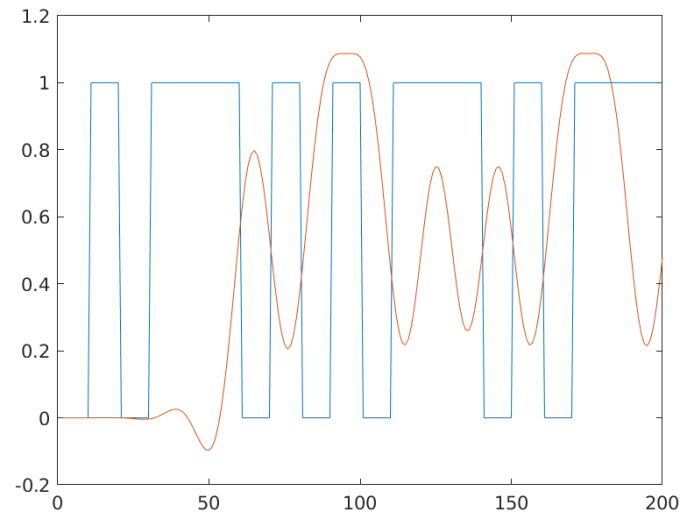
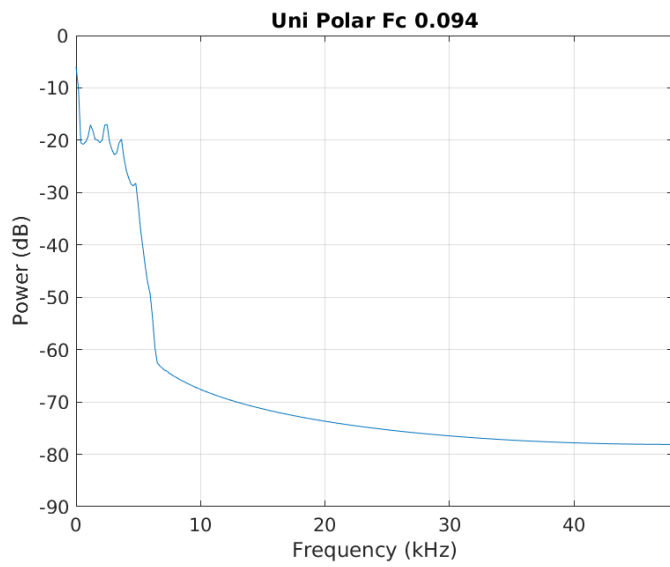
After doing some test, if the Fc of the Low pass filter we have a lower value then we will have an error.



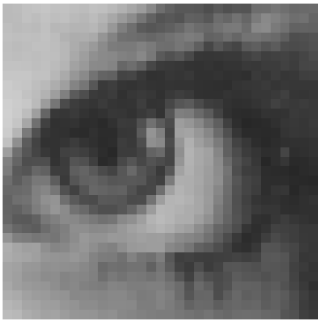
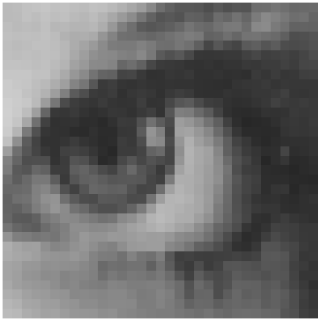
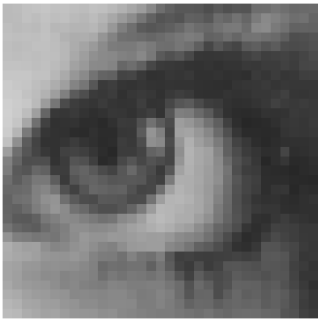


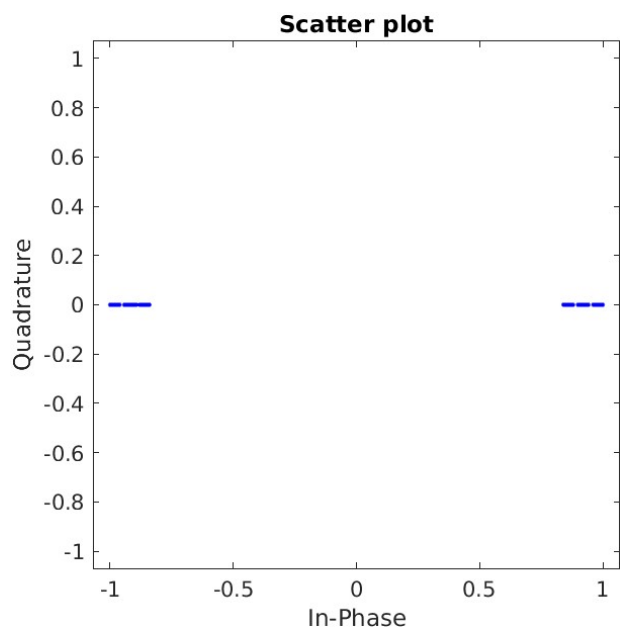
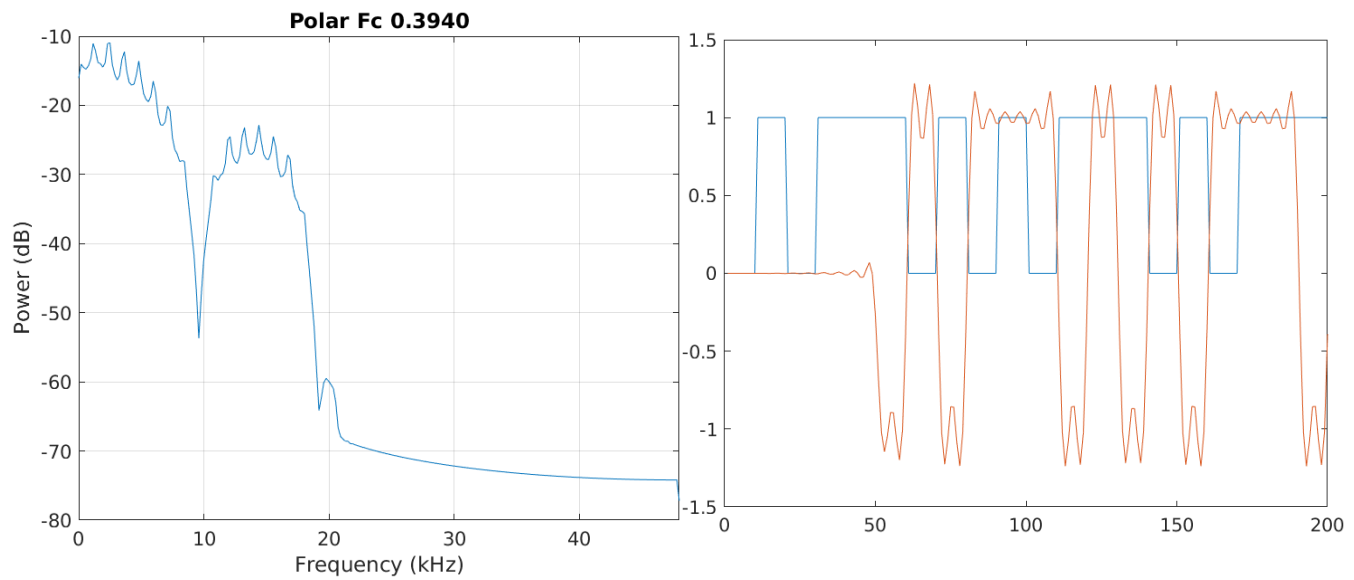
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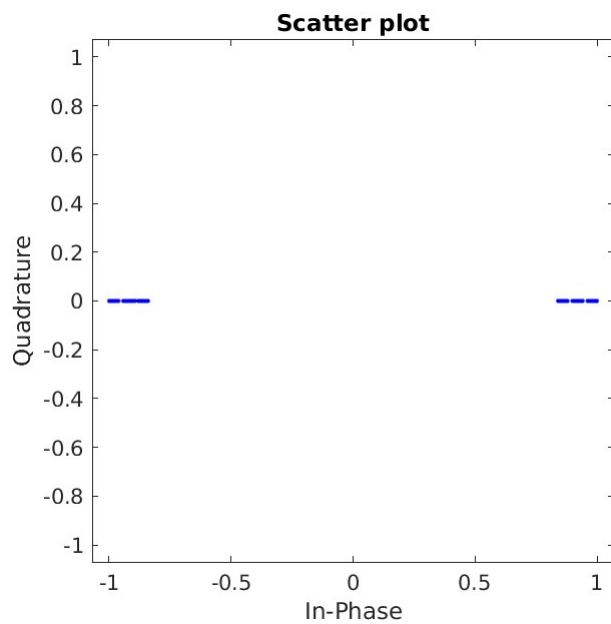
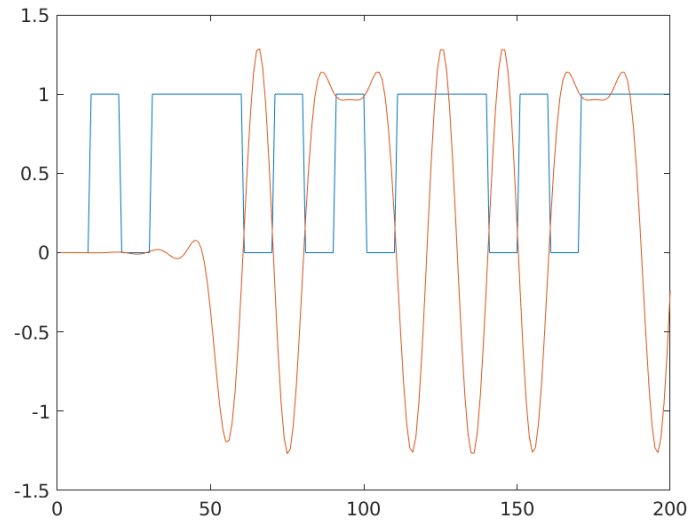
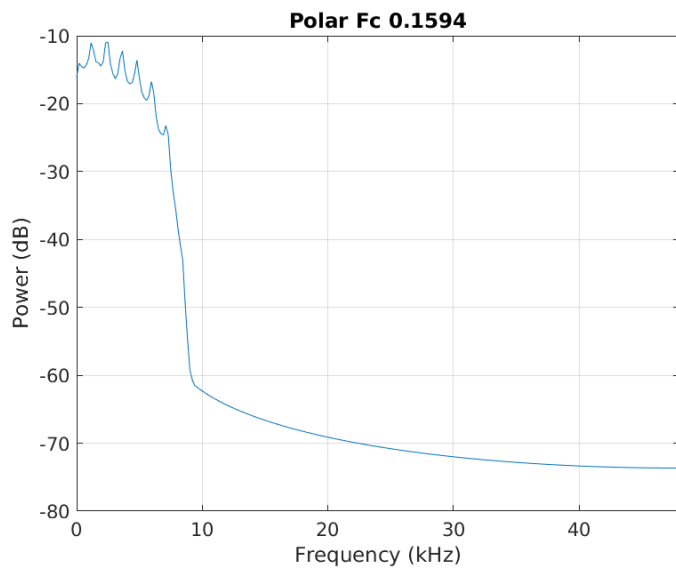
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POLAR

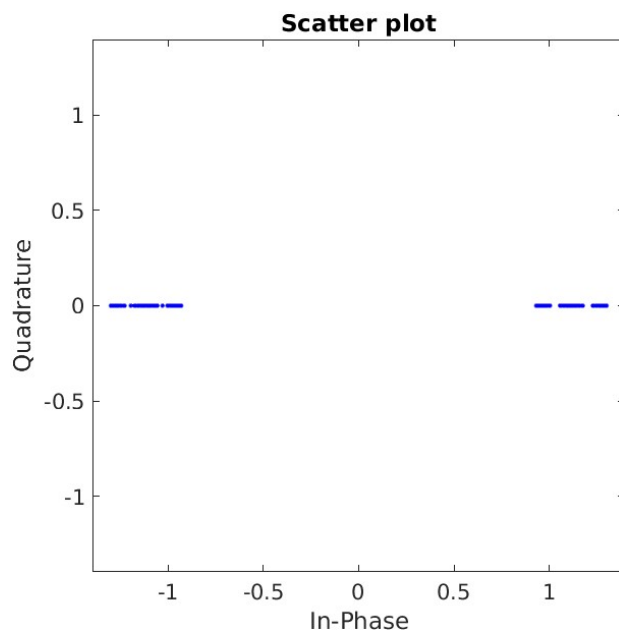
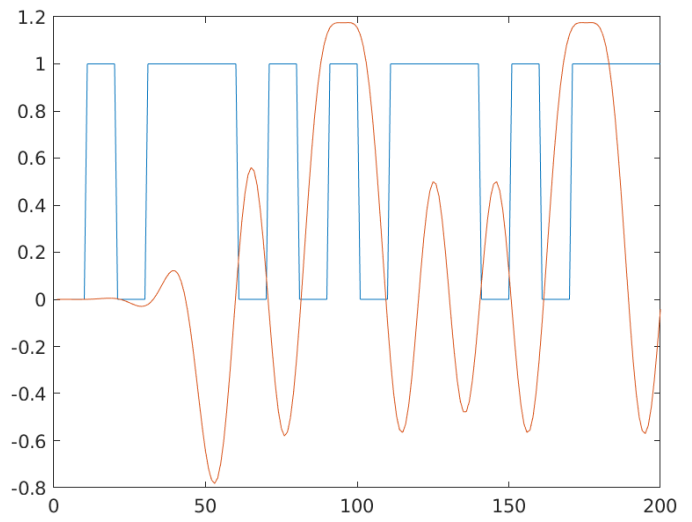
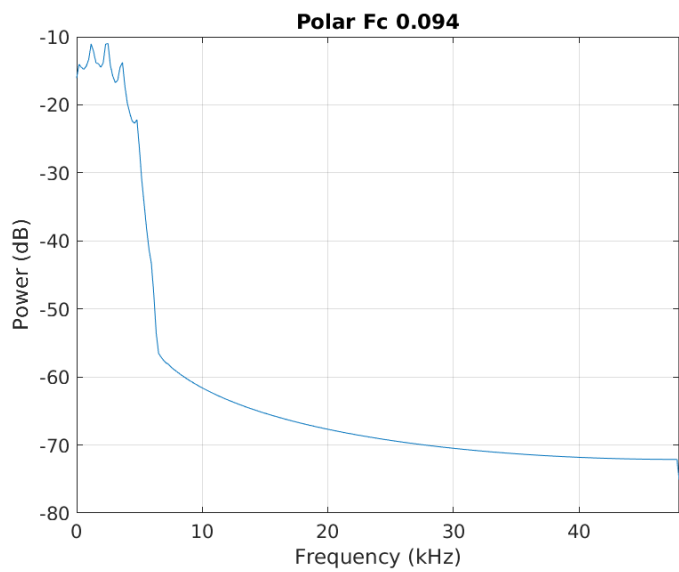
Fc LPF	Img	Error
0.394		NO ERROR
0.1594		NO ERROR
0.094		NO ERROR



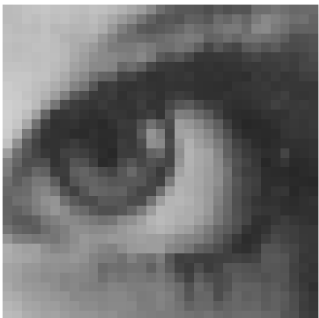
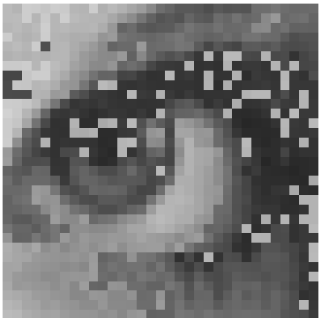
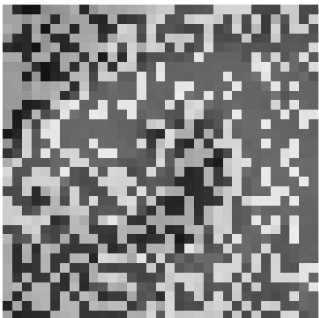


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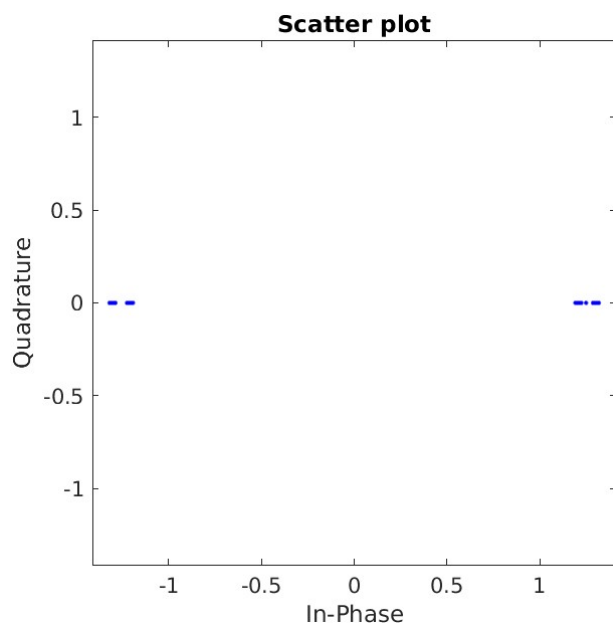
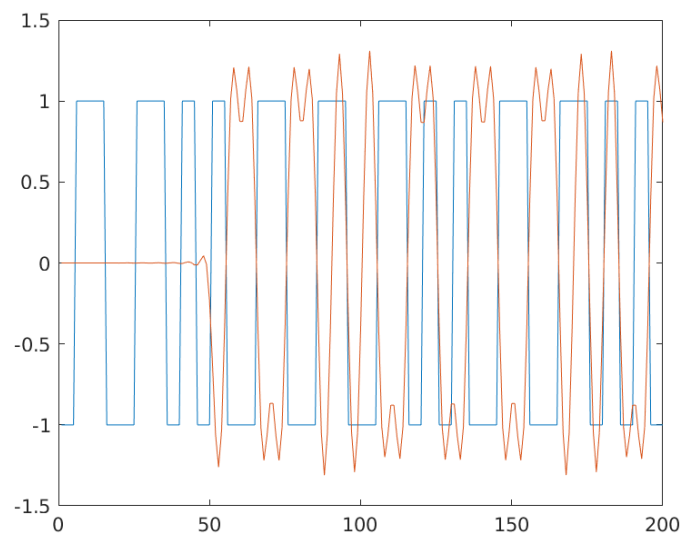
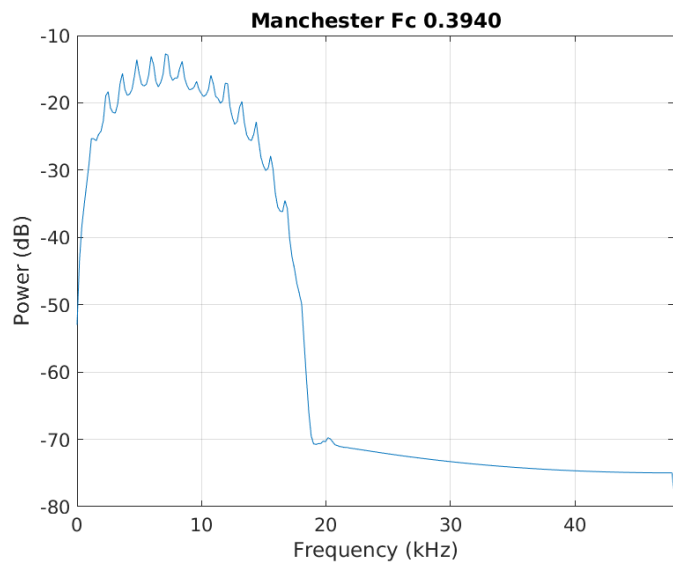


MANCHESTER

Fc LPF	Img	Error
0.394		NO ERROR
0.1594		ERROR FOUND 673 bits
0.094		ERROR FOUND 3411 bits

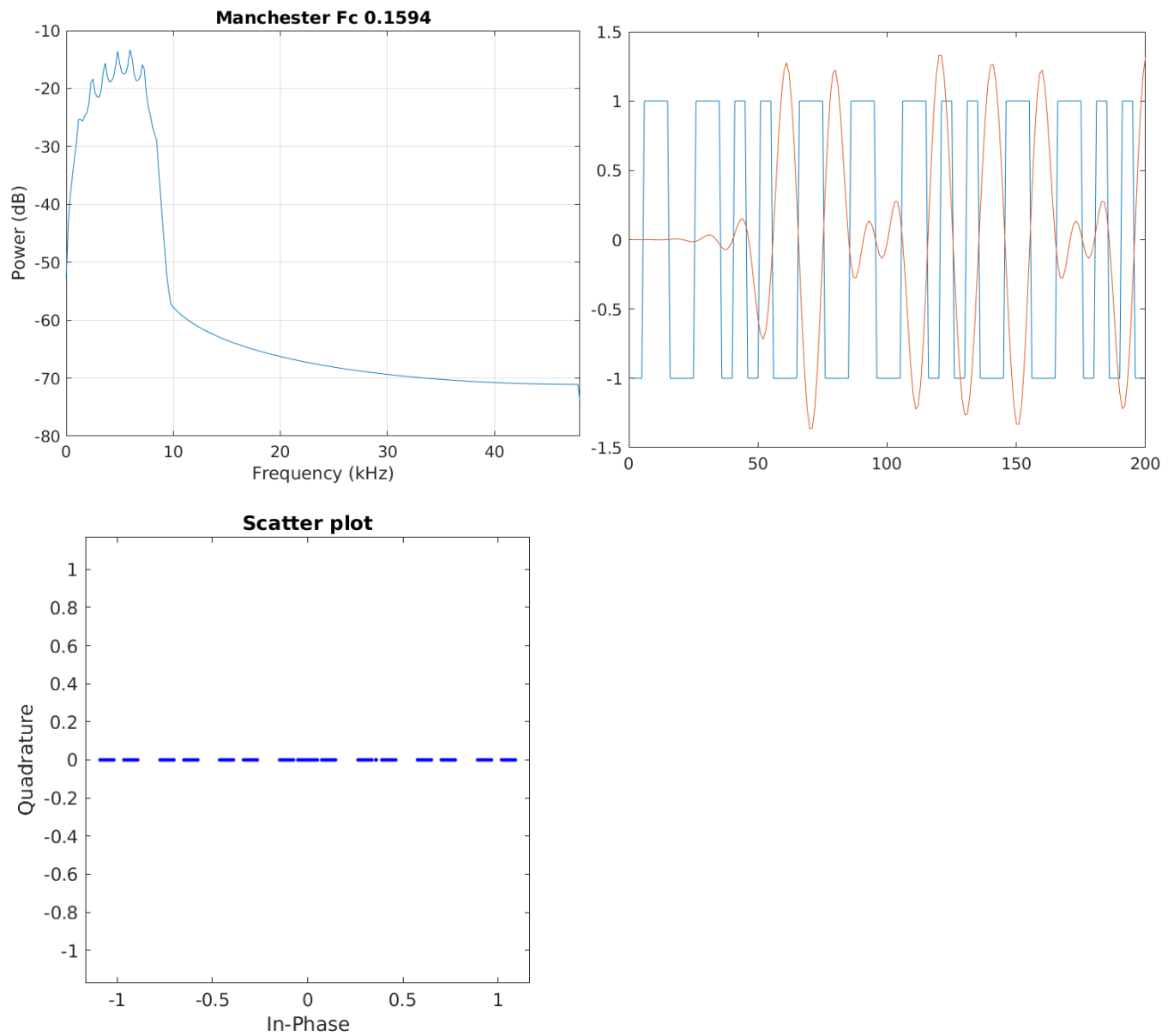
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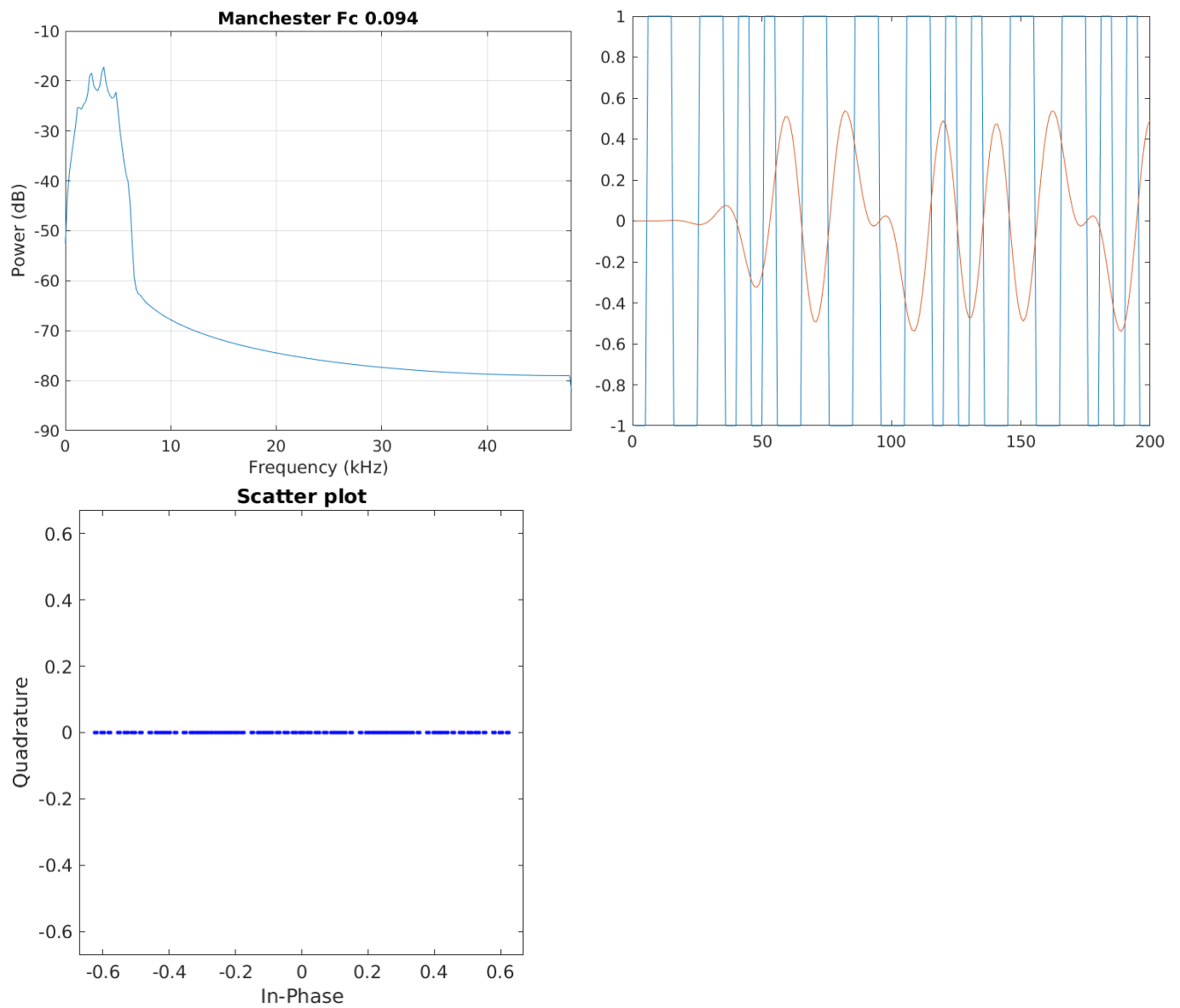
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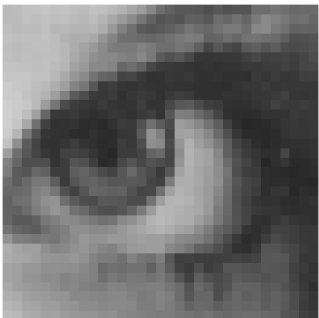
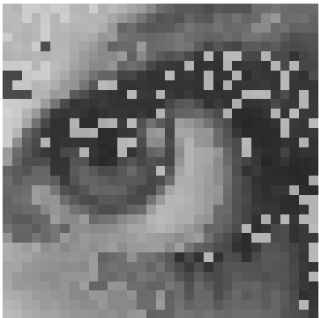
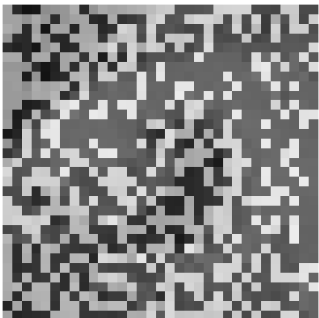


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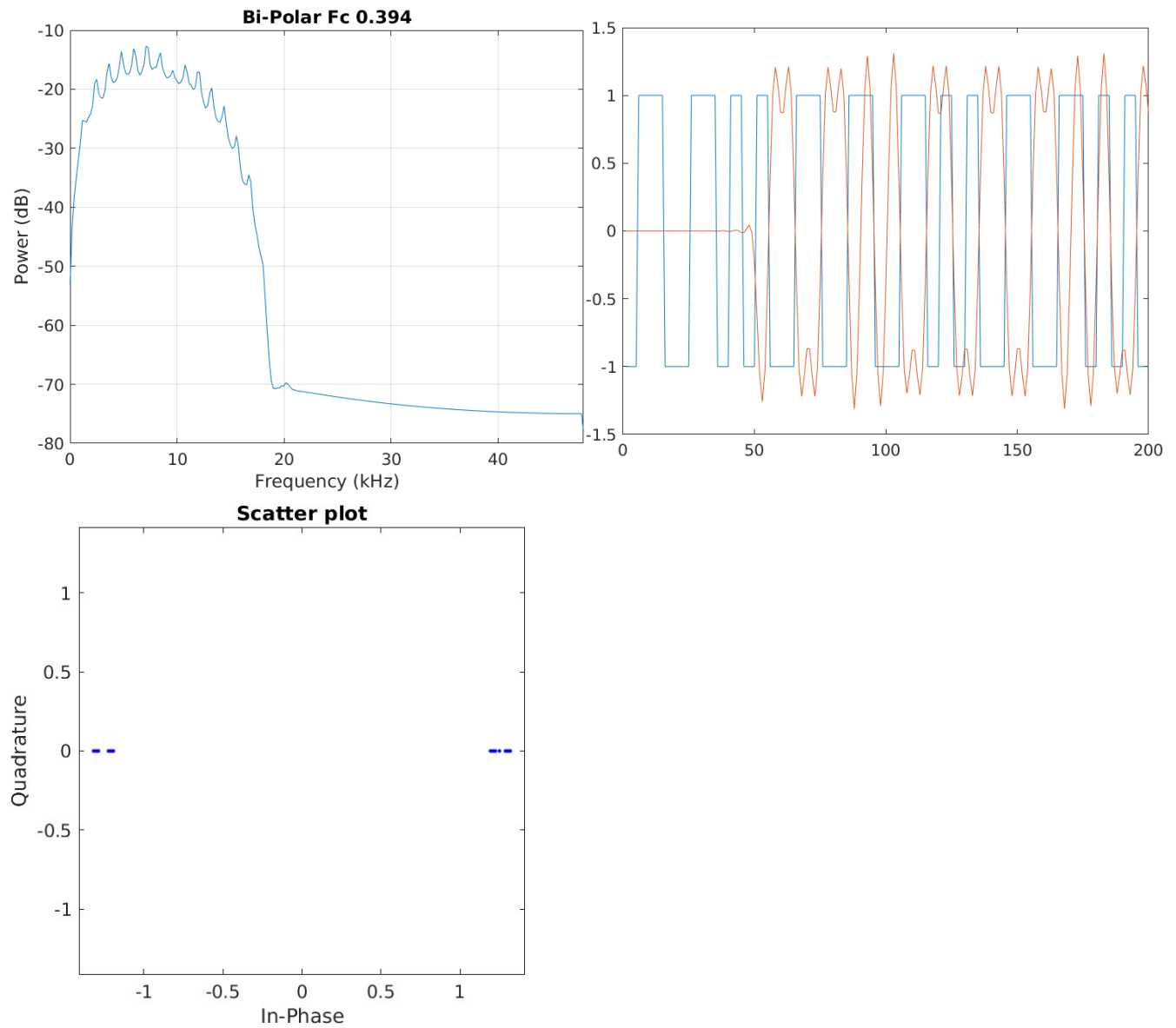


BIPOLAR

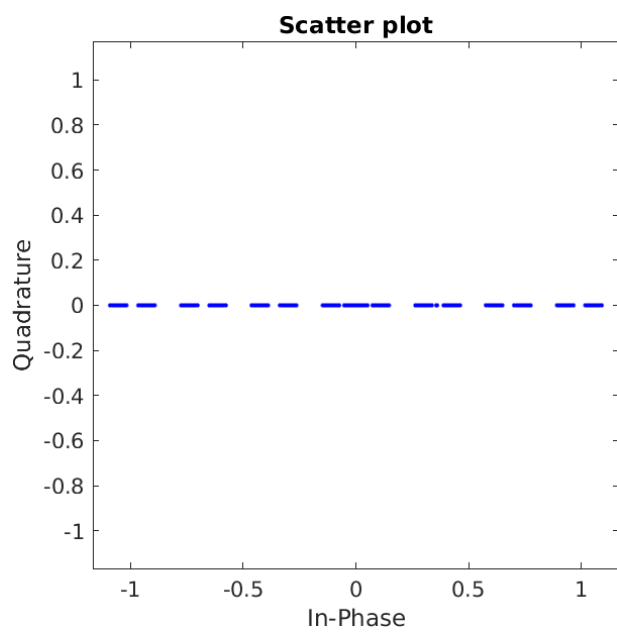
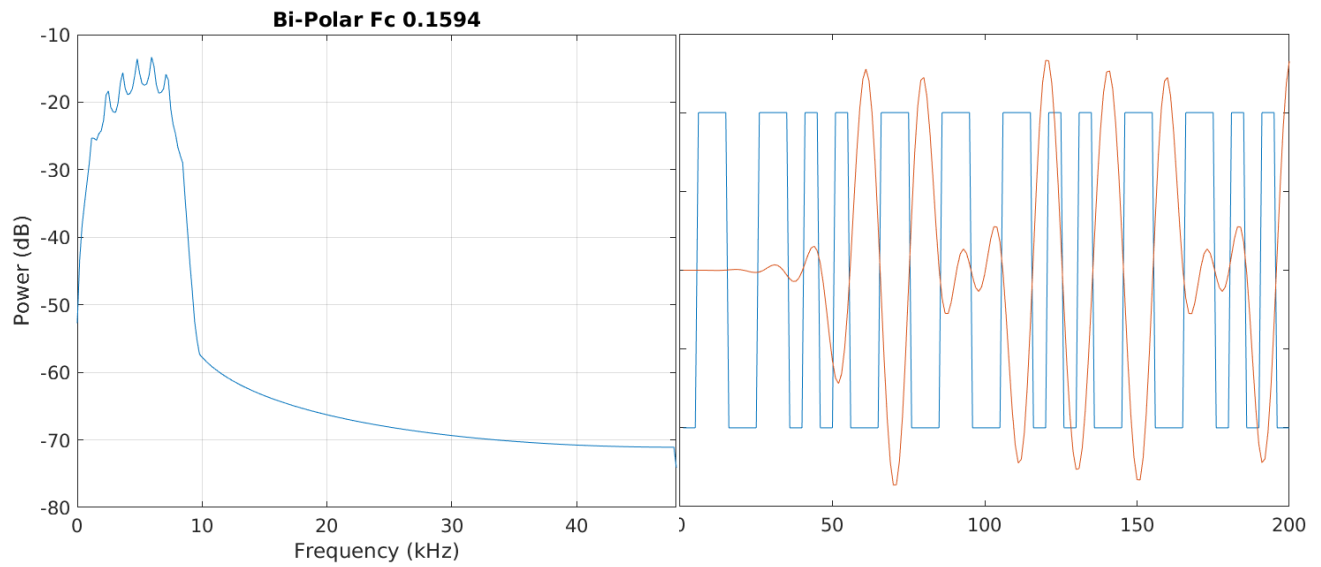
Fc LPF	Img	Error
0.394		NO ERROR
0.1594		ERROR FOUND 673 bits
0.094		ERROR FOUND 3411 bits

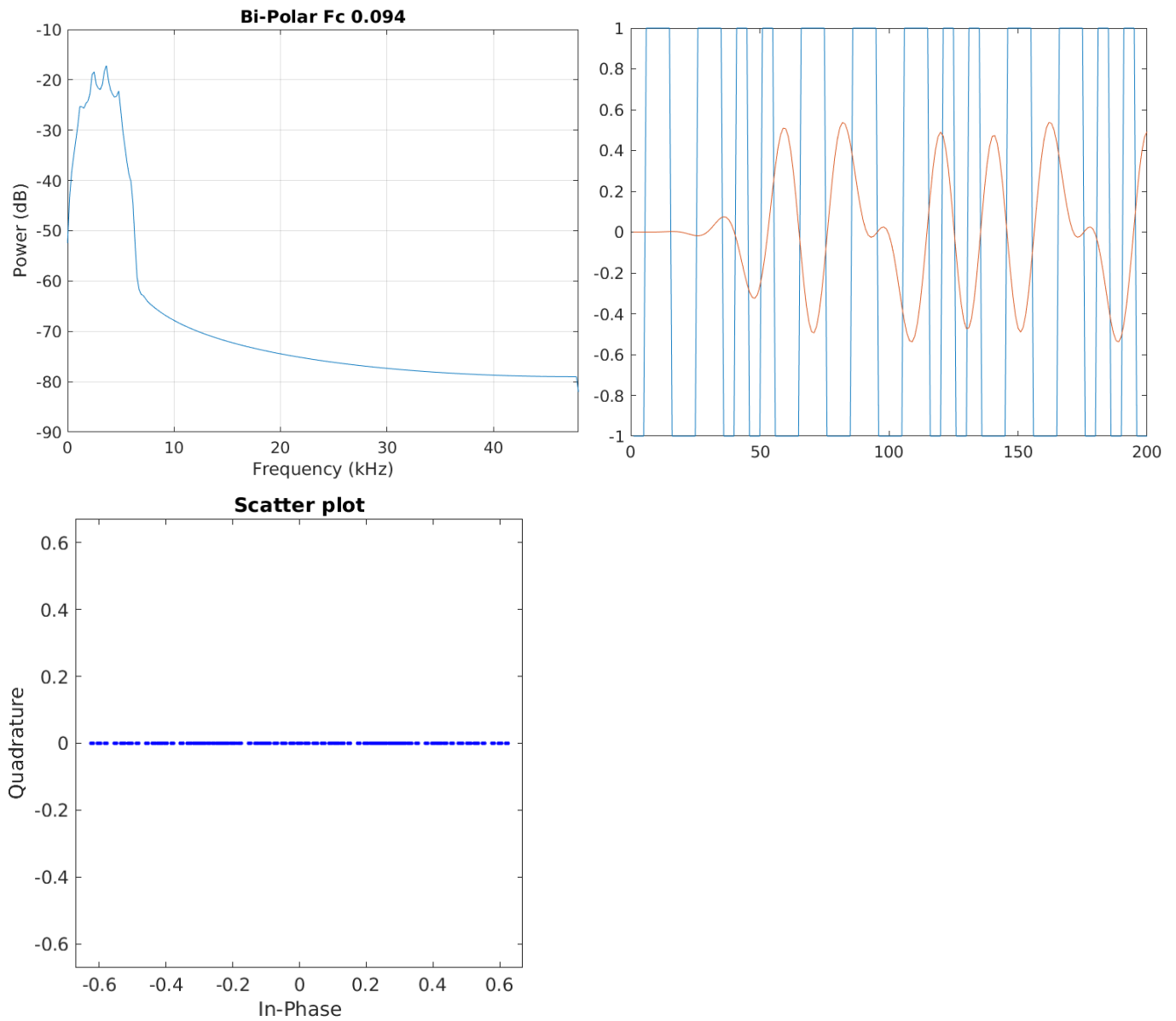
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Exercise 4

As intended the correlation is a process that in certain ways can be used to be a pulse detector, same way as a peak detector for frequency operations. One of the applications it is for signal to calculate the frequency of these signals by the correlation.