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Least Square Filter
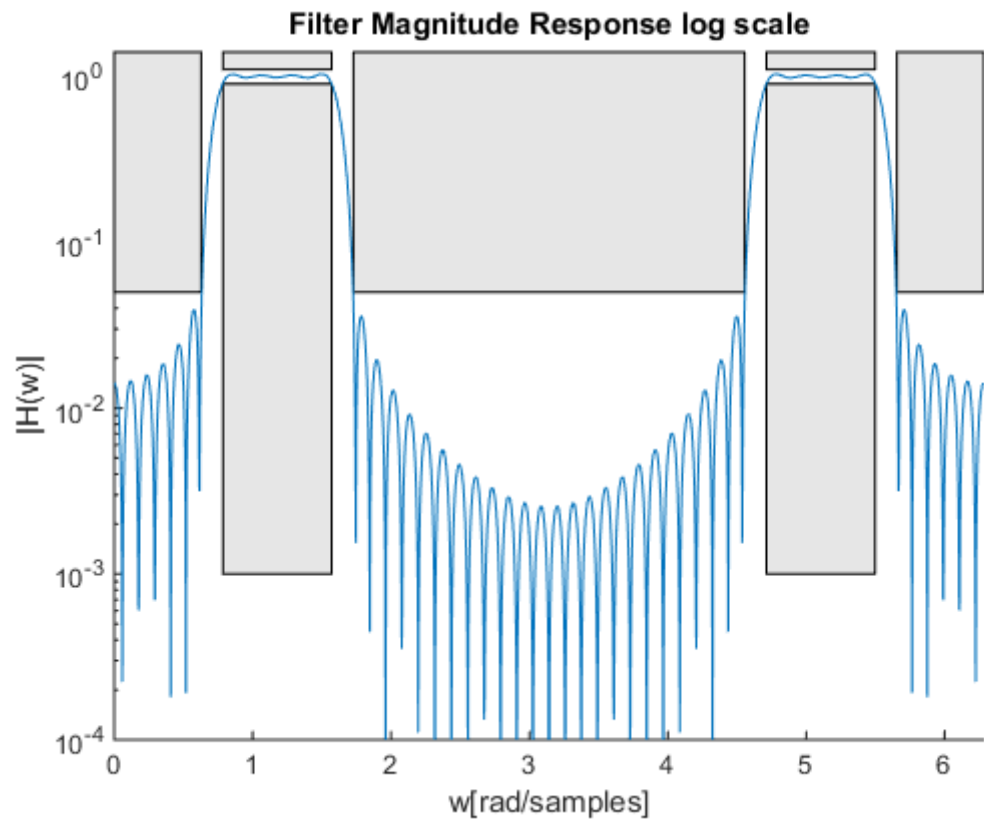
FIGURE 1
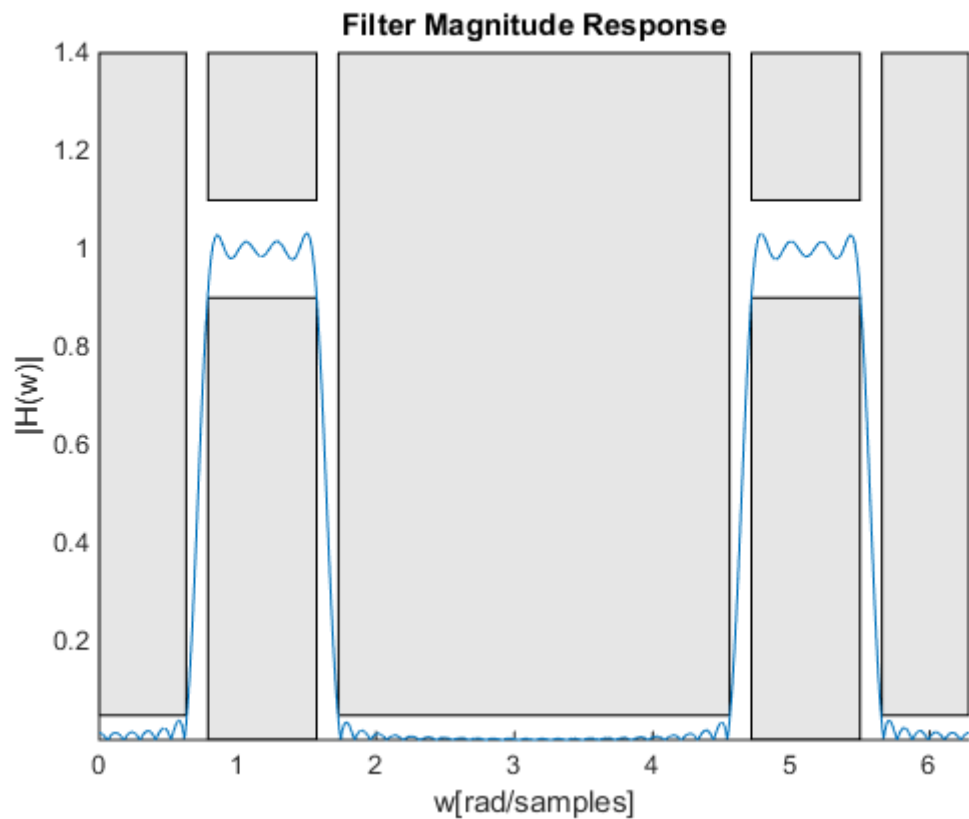
FIGURE 2
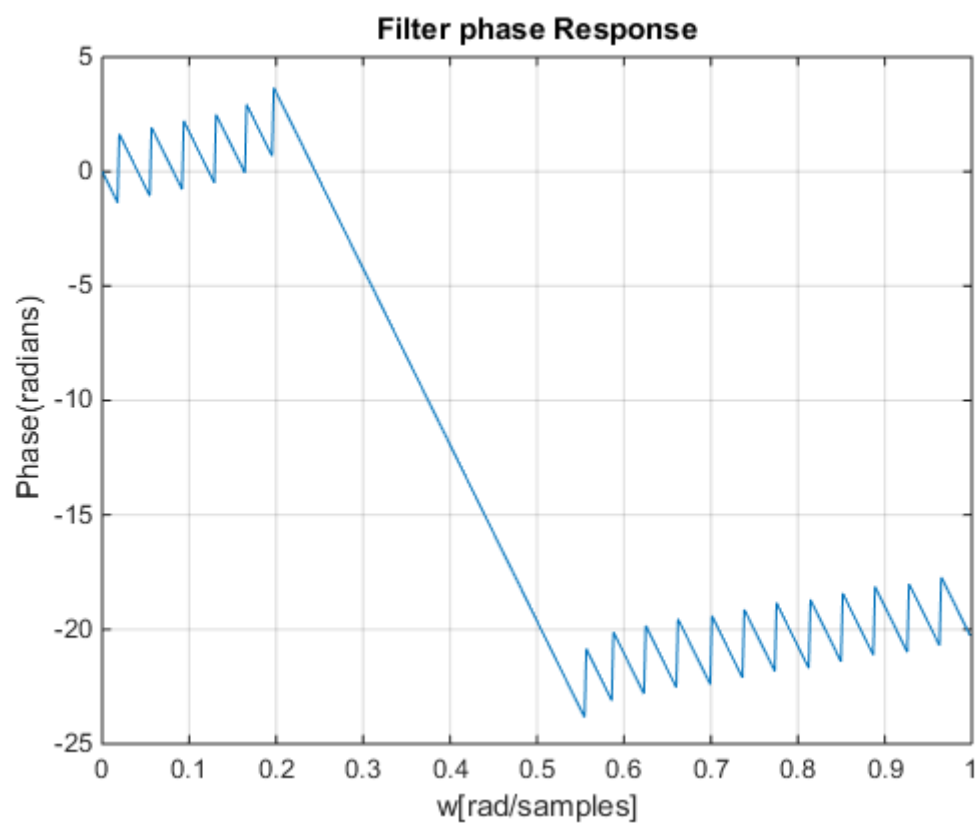
Figure 3

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Optimum Equiripple
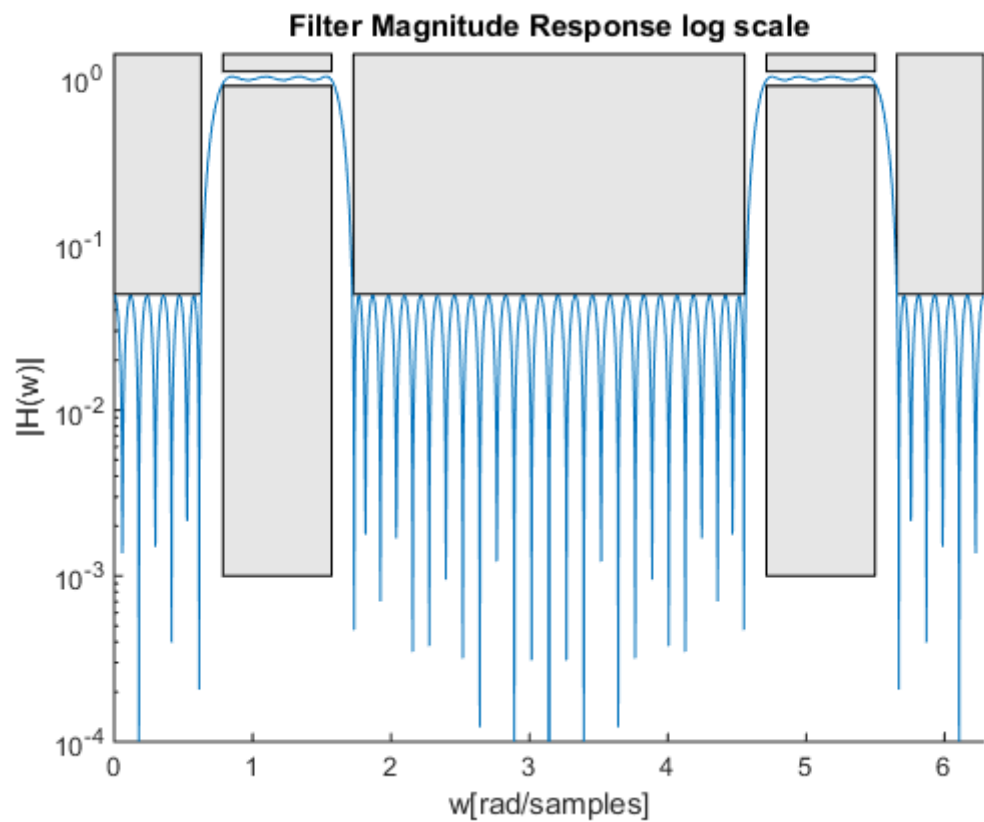
Figure 4
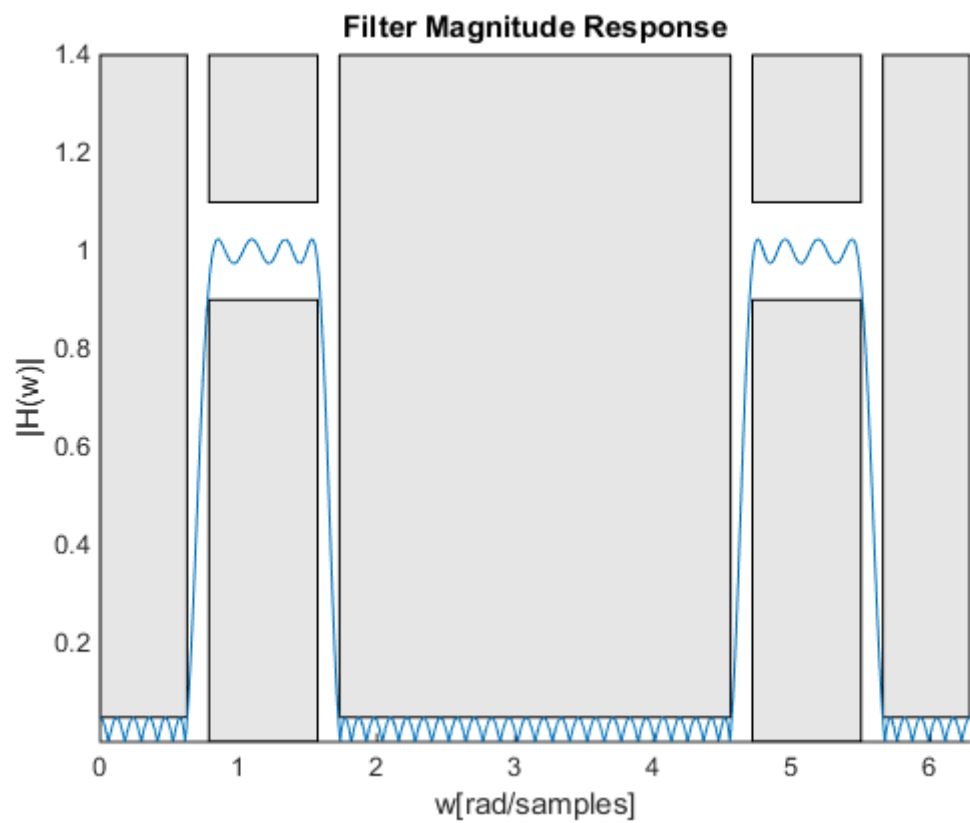
Figure 5
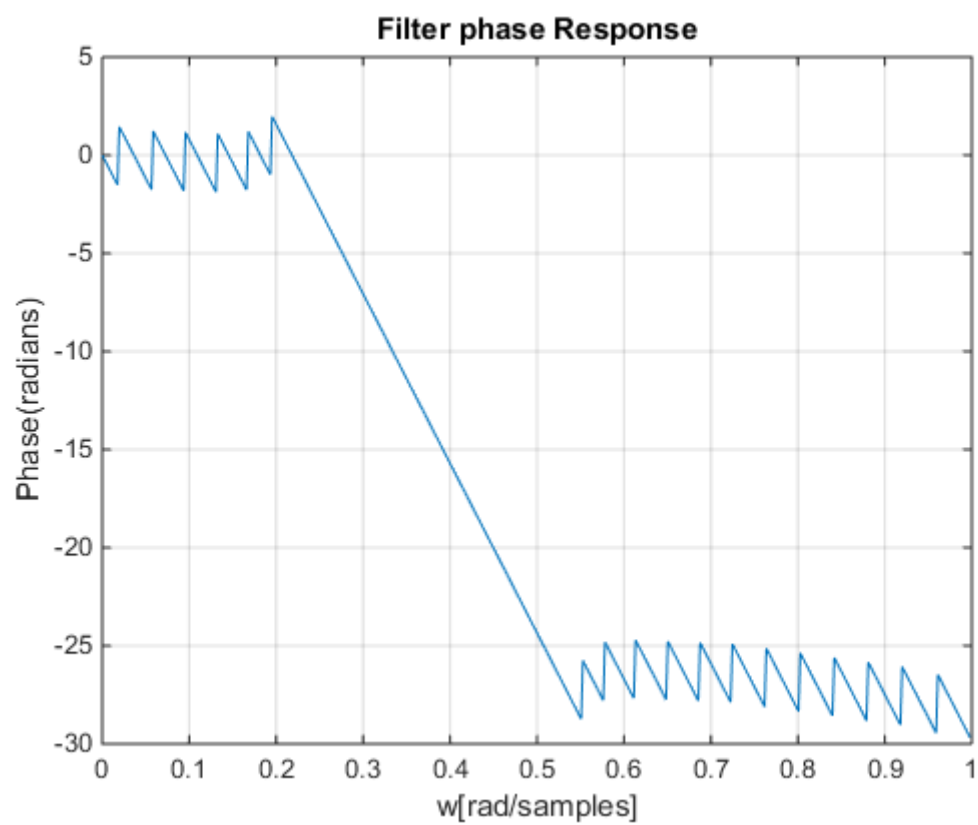
Figure 6

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Butterworth

Filter Magnitude Response log scale

Figure 7

Filter Magnitude Response
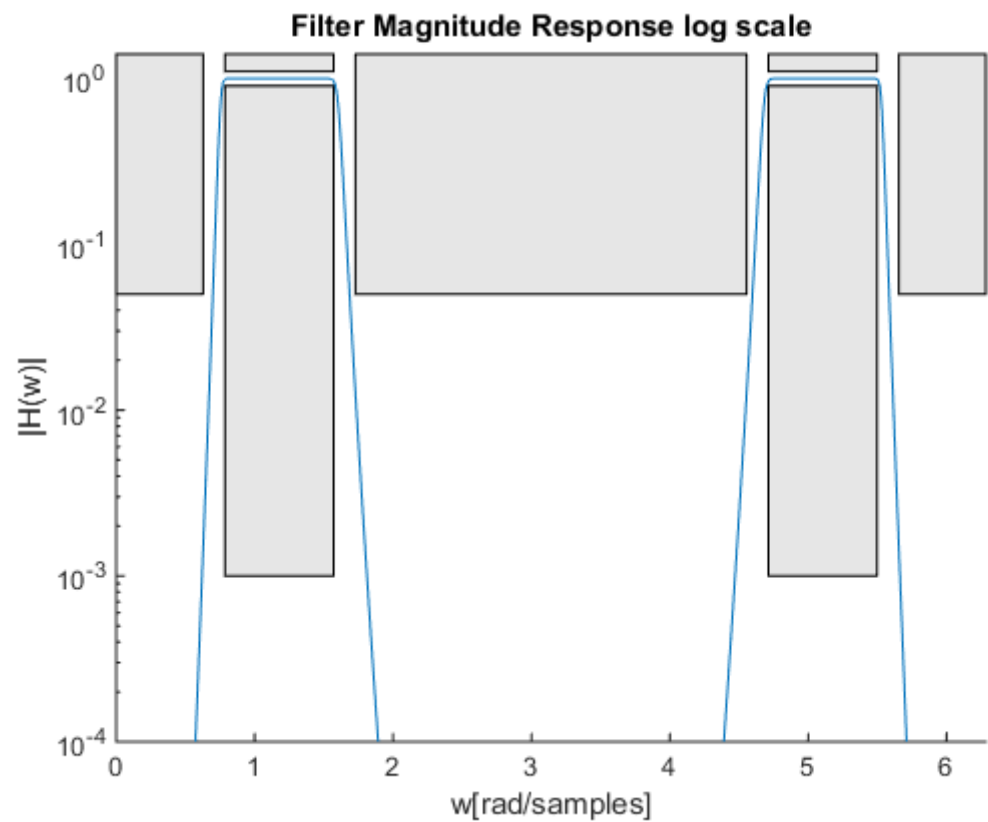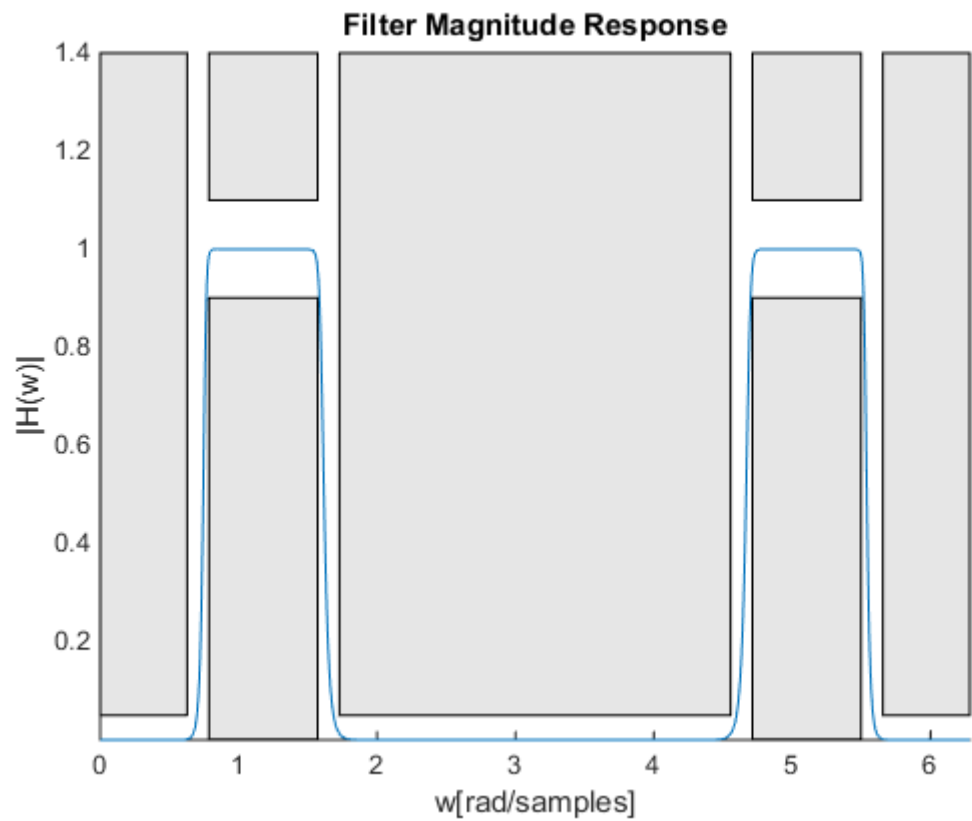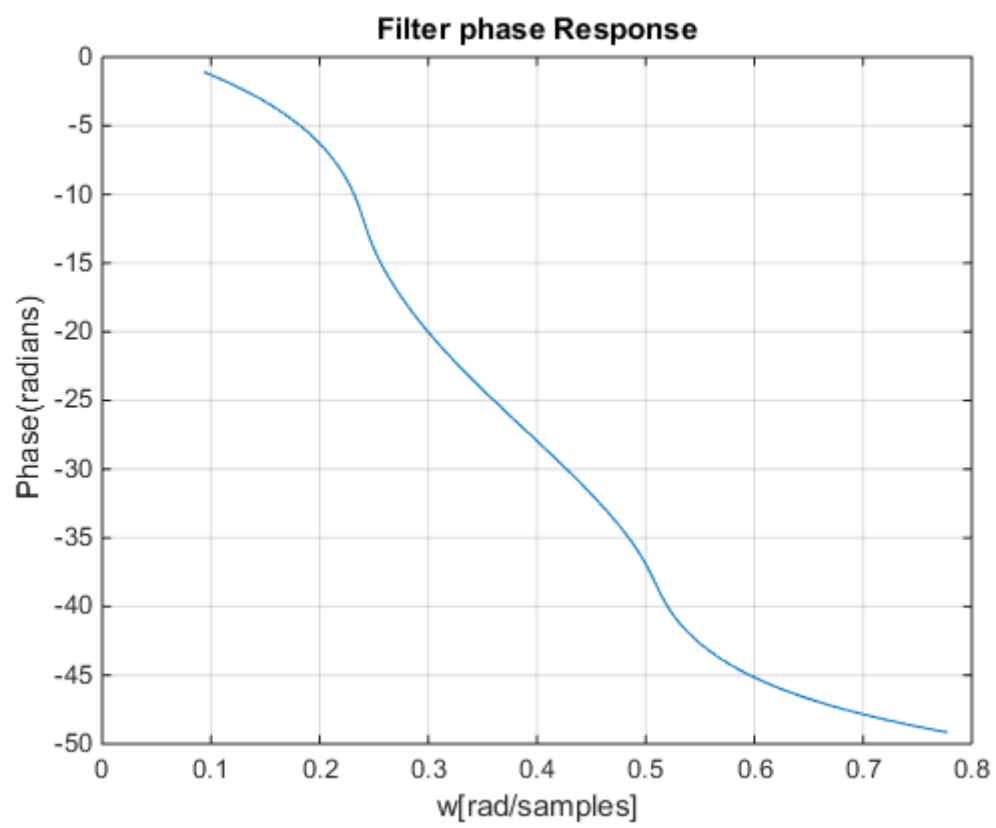
Figure 8

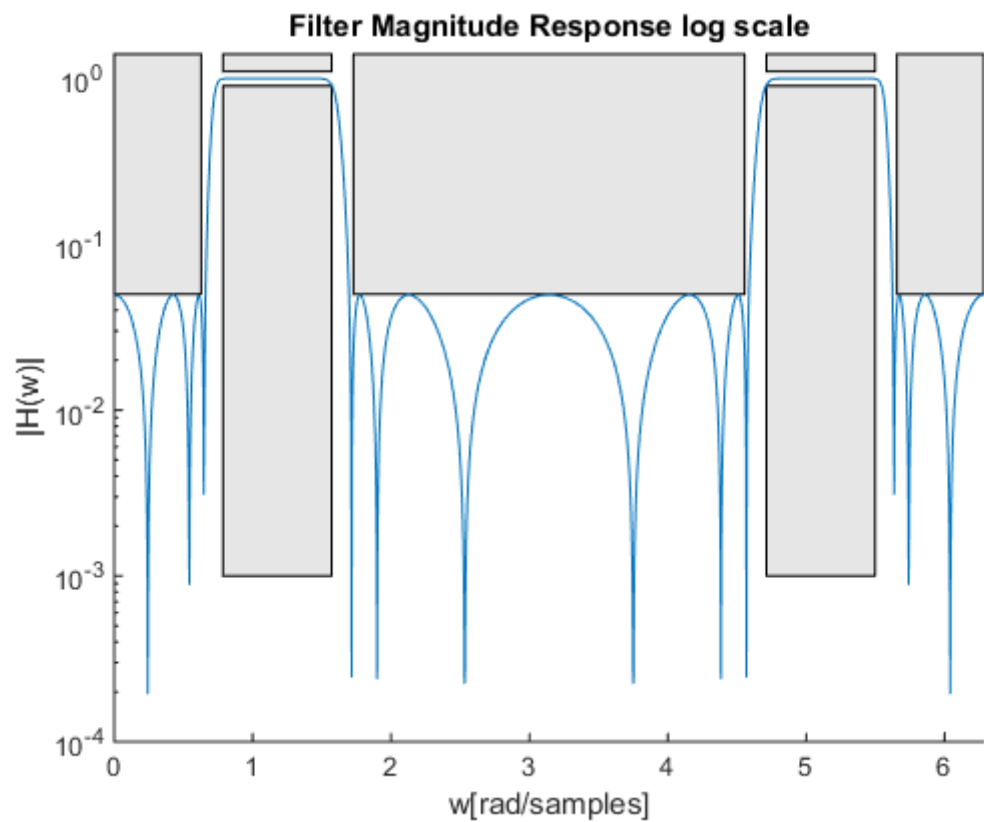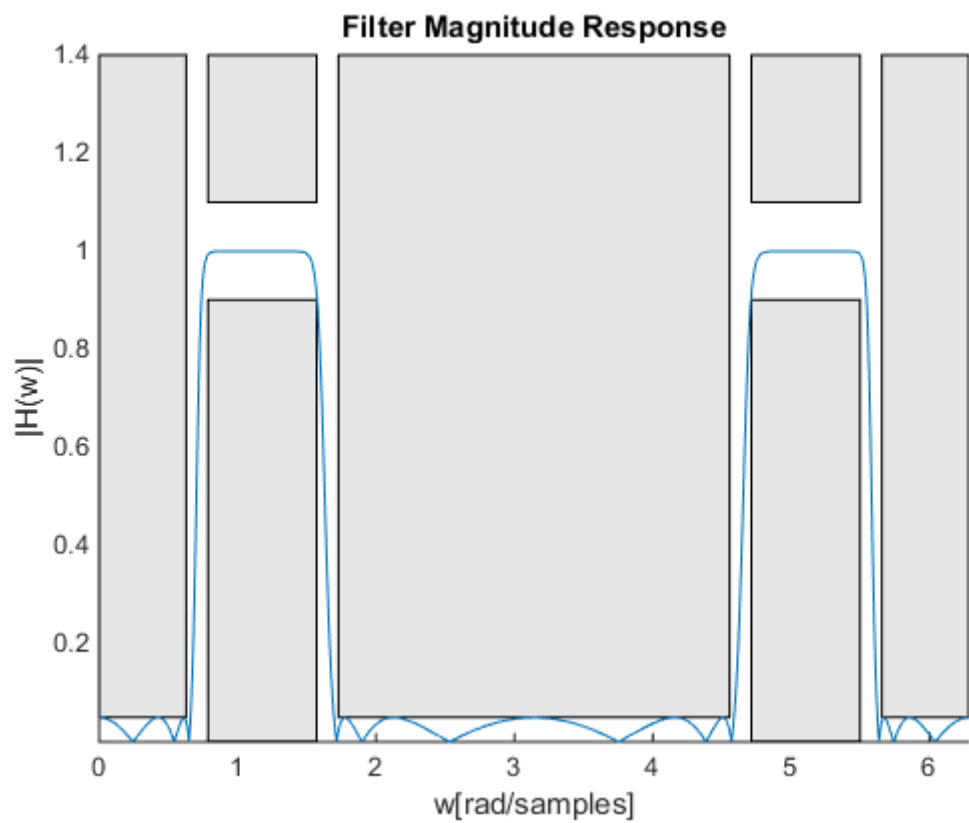Figure 9

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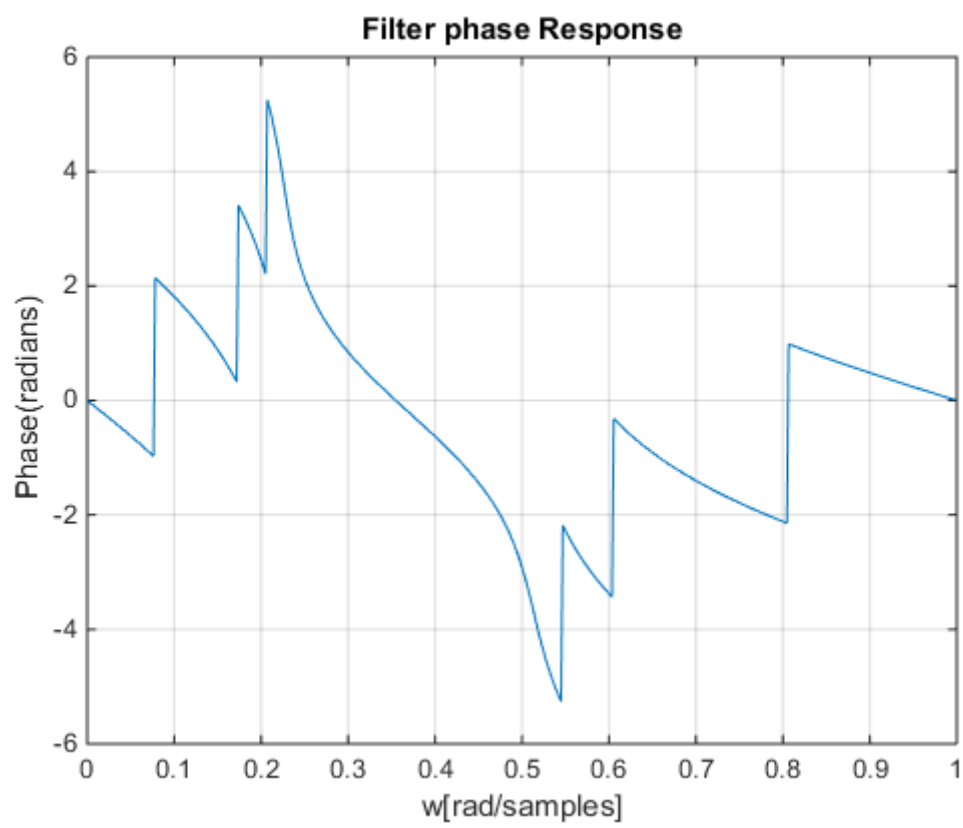## Chebyshev

Figure 10

Figure 11

Figure 12

Least Square
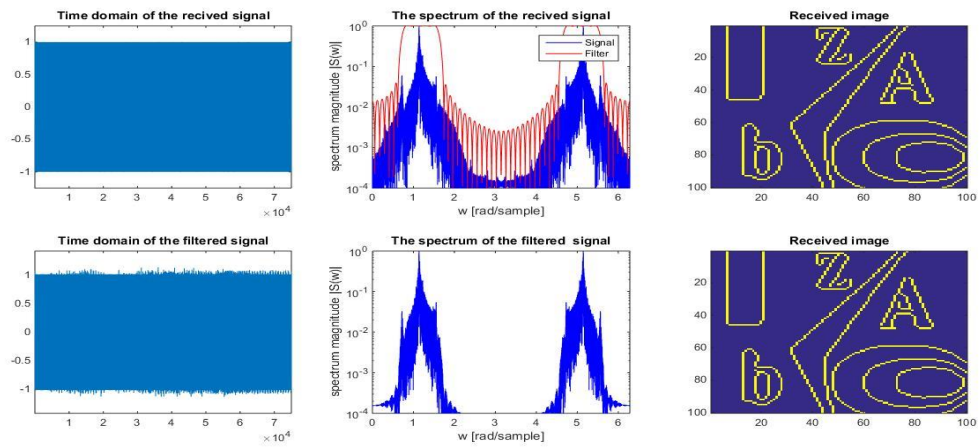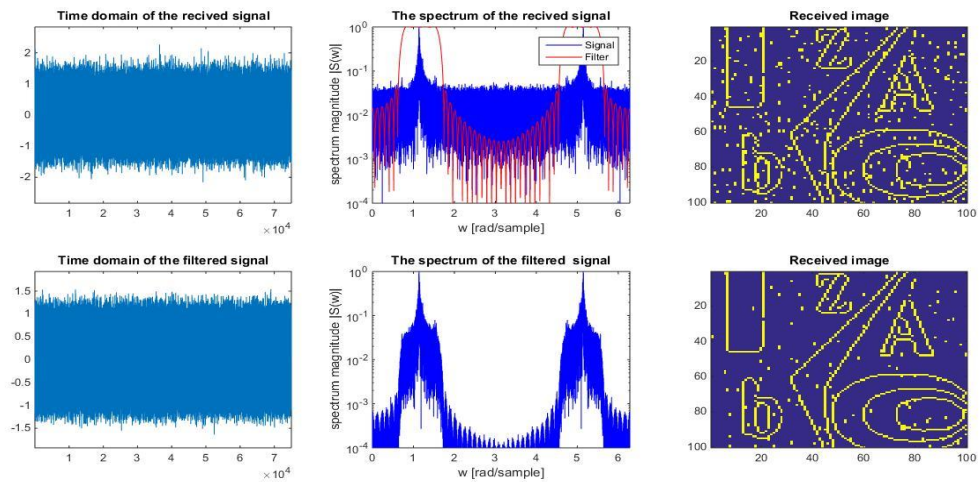
Figure 13 (clean signal)
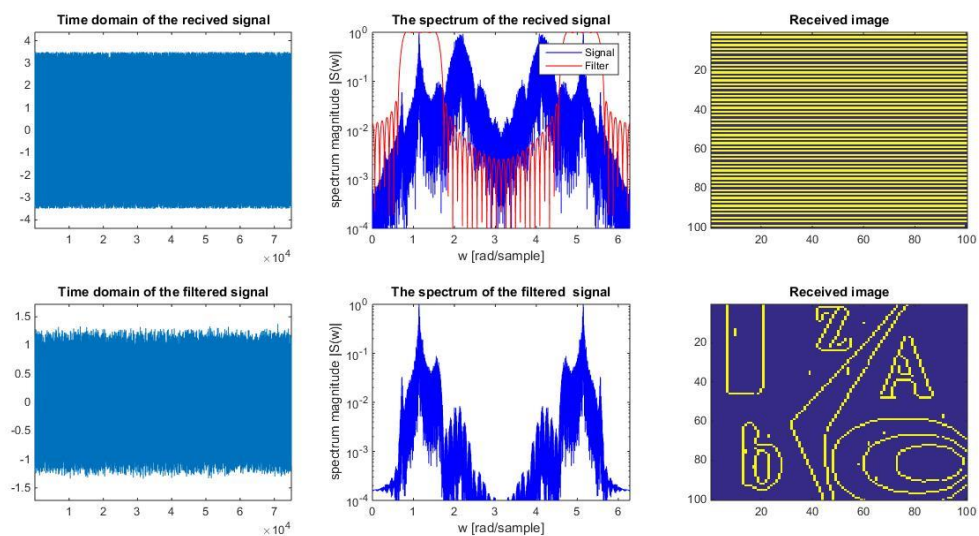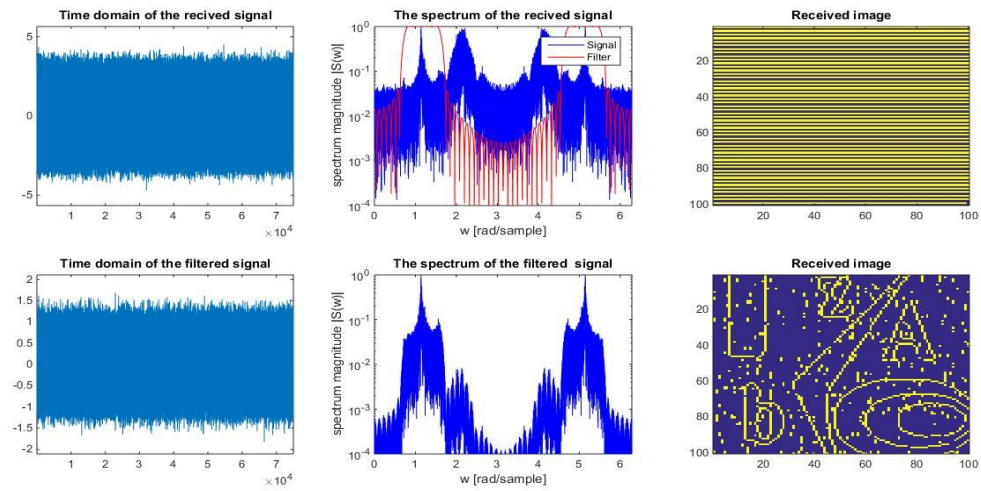

Figure 14 (Noise)

Figure 15 (Interferer)
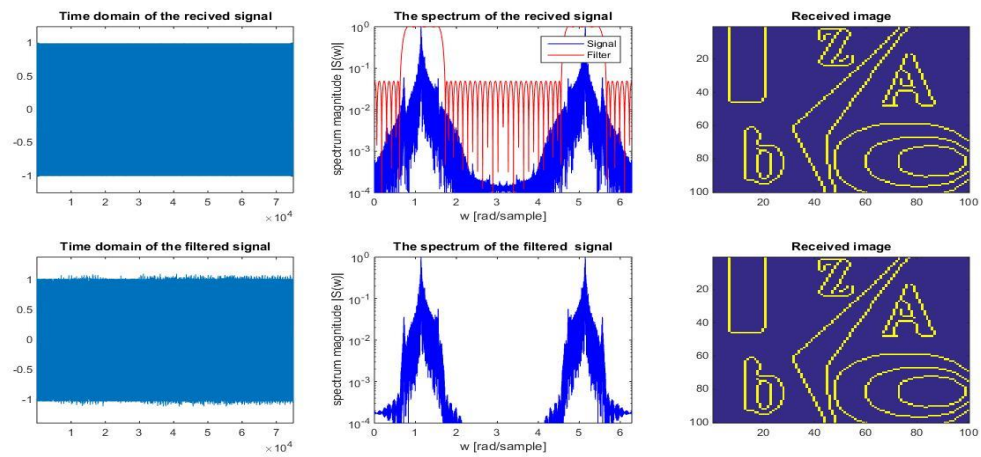
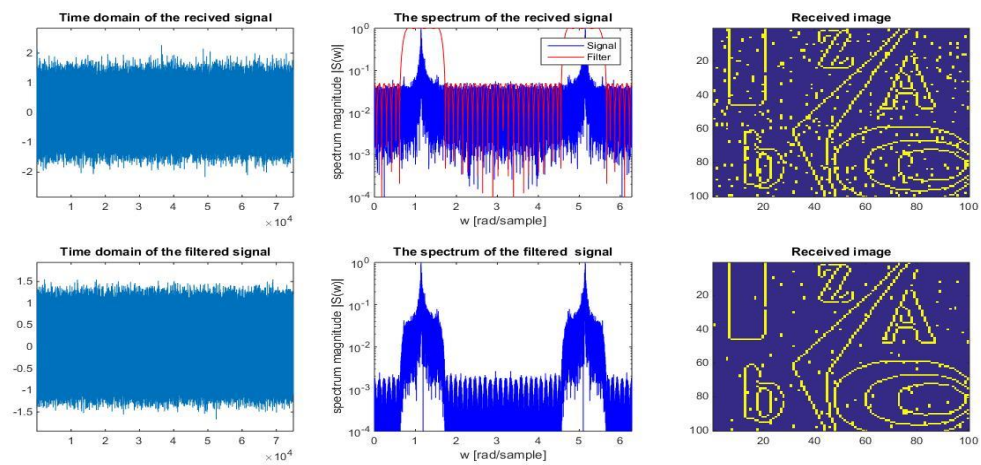Fig 16 (both)

Equiripple filter
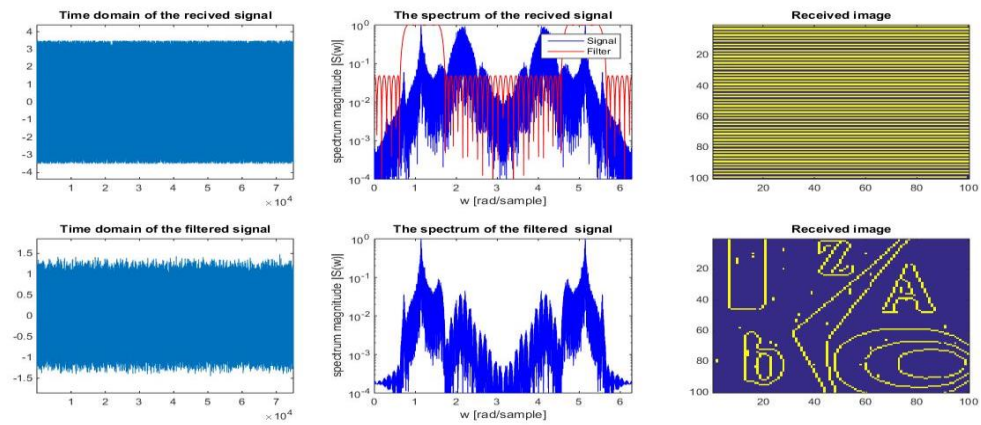
Fig 17 (clean)
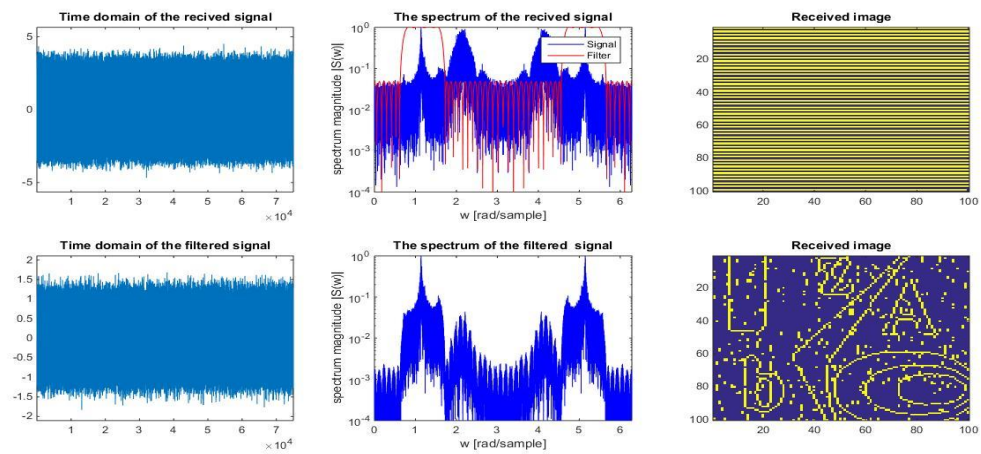

Fig 18 (noise)

Fig 19(interferer)

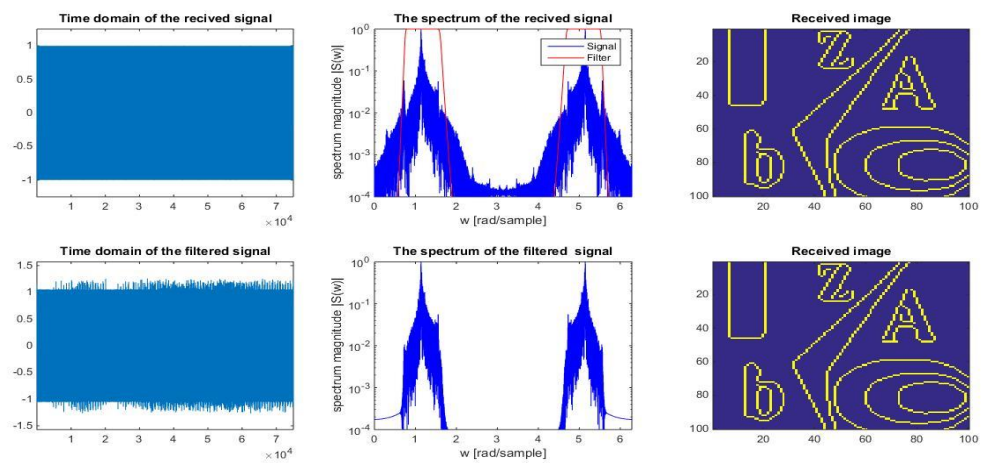
Fig 20 (both)

Butterworth
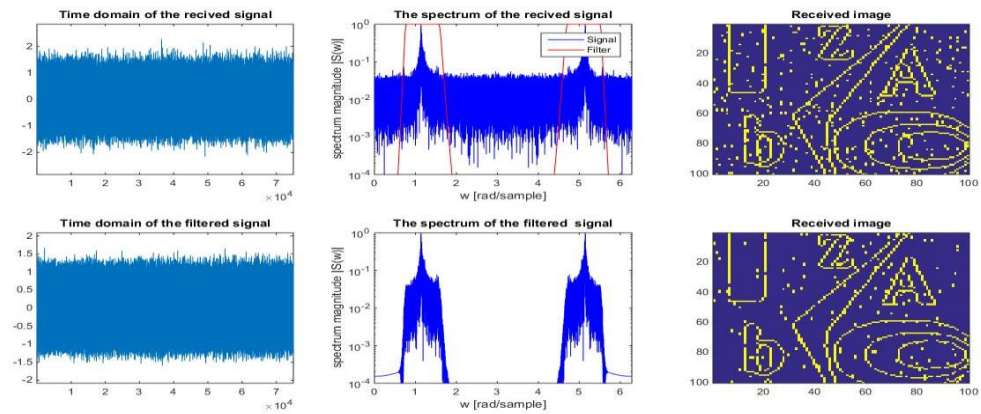
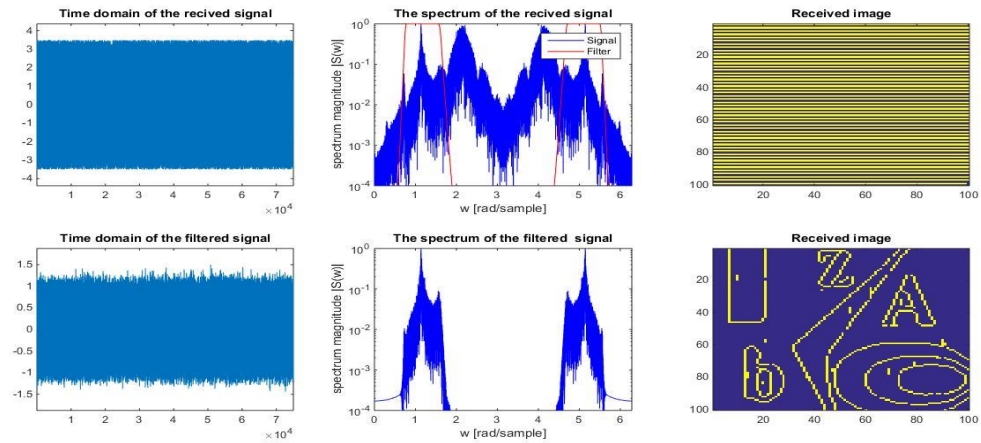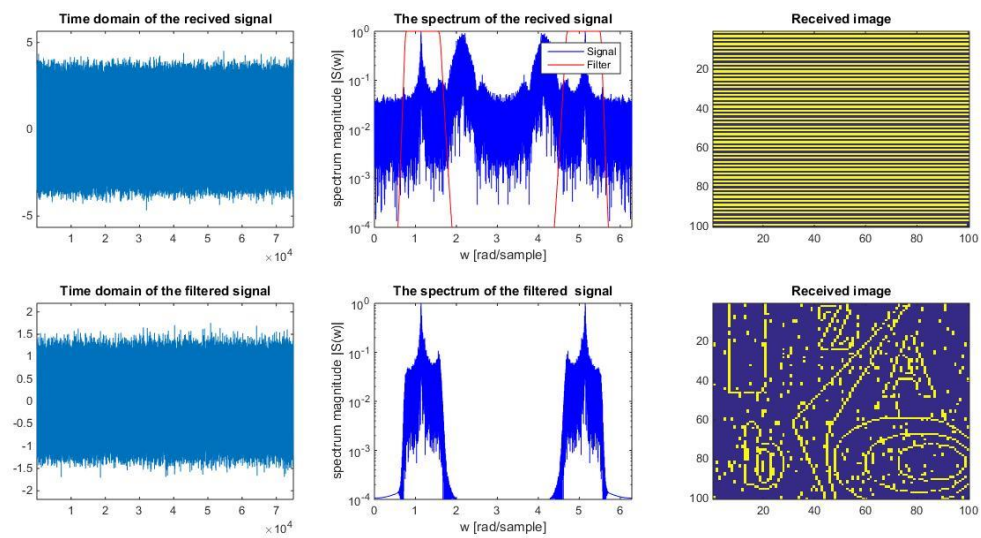Fig 21(clean)

Fig 22 (noise)

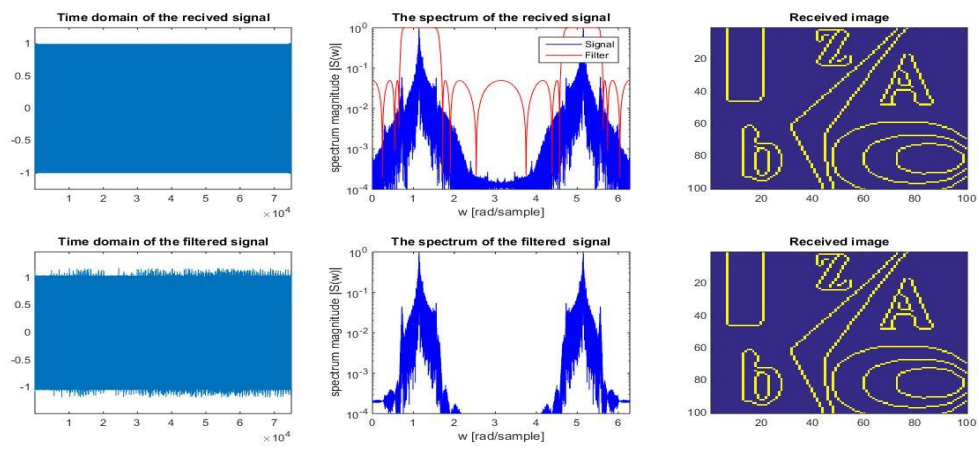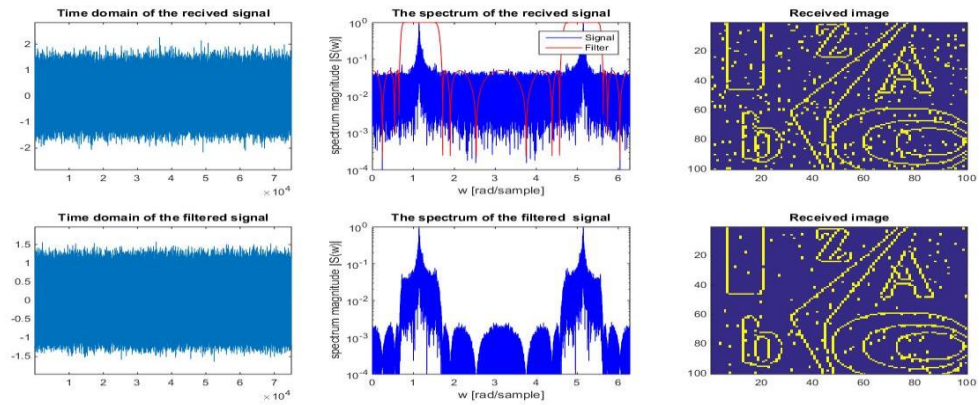
Fig 23 (interferer)

Fig 24 (both)

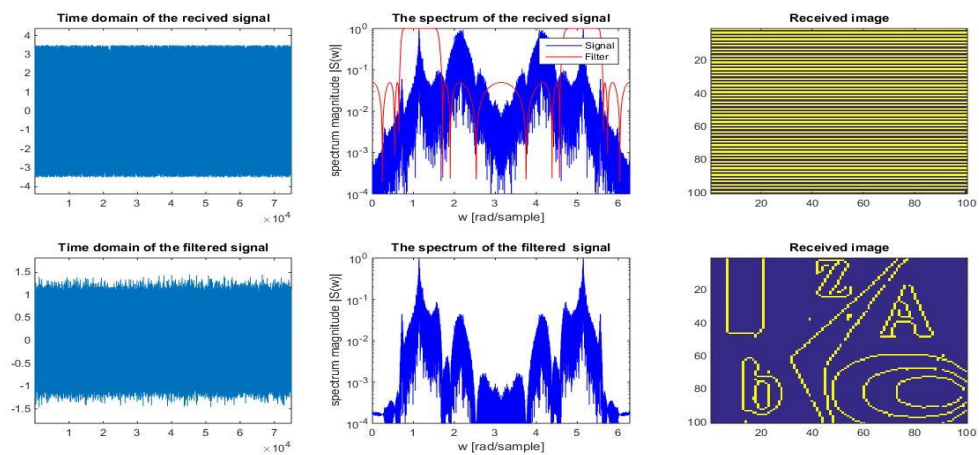## Chebyshev

Fig 25 (clean)

Fig 26 (noise)

Fig 27 (interferer)

Fig 28 (both)