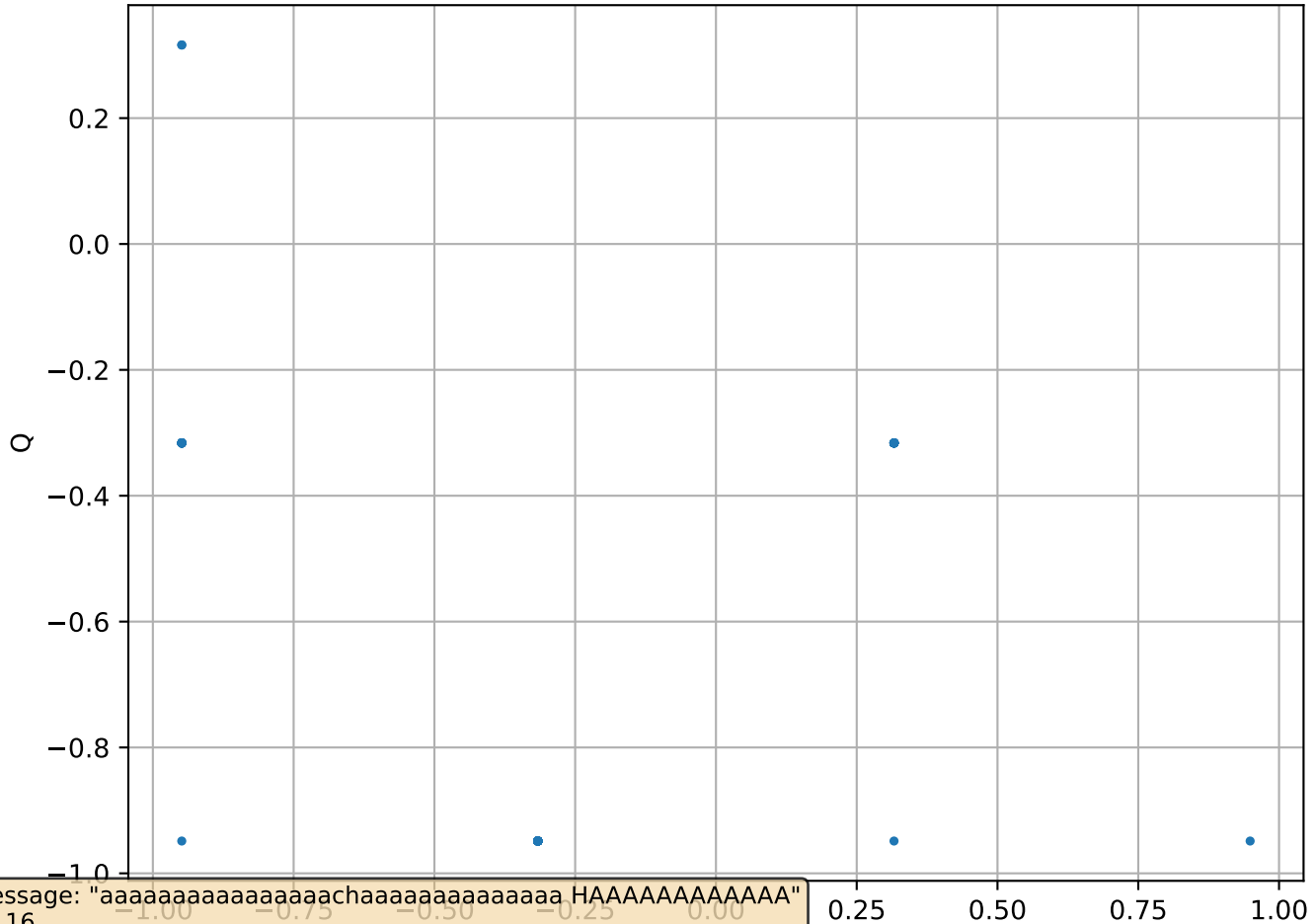


R2 - Constellation Diagram (0)



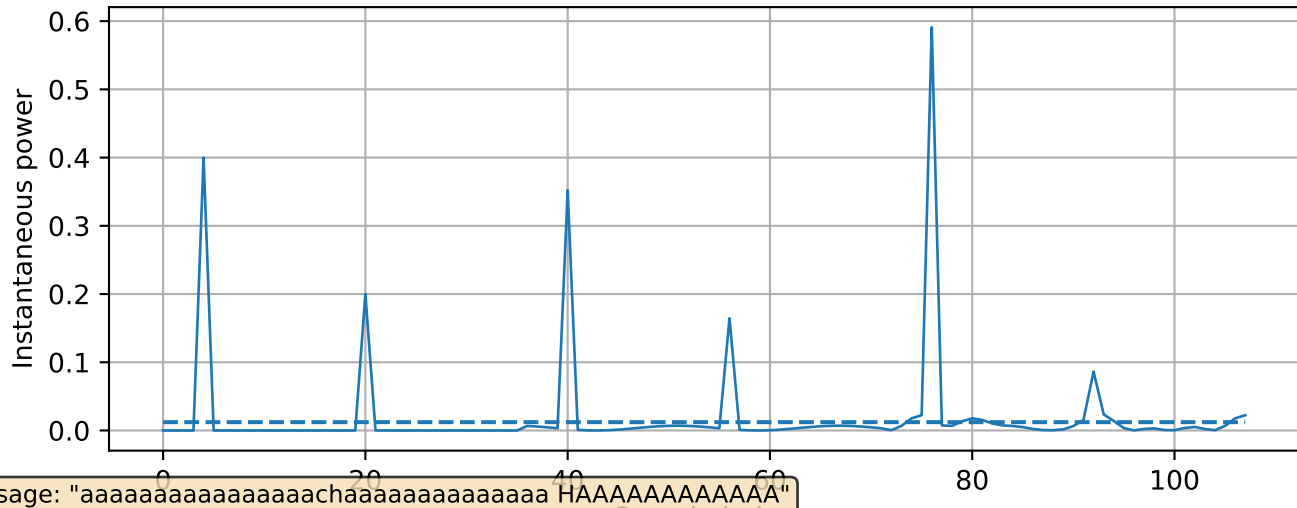
Message: "aaaaaaaaaaaaaaaaachaaaaaaaaaaaaaa HAAAAAAAAAAAAA"  
M: 16  
Subcarriers: 32  
CP Length: 4

R2 - OFDM I/Q Signal (0)

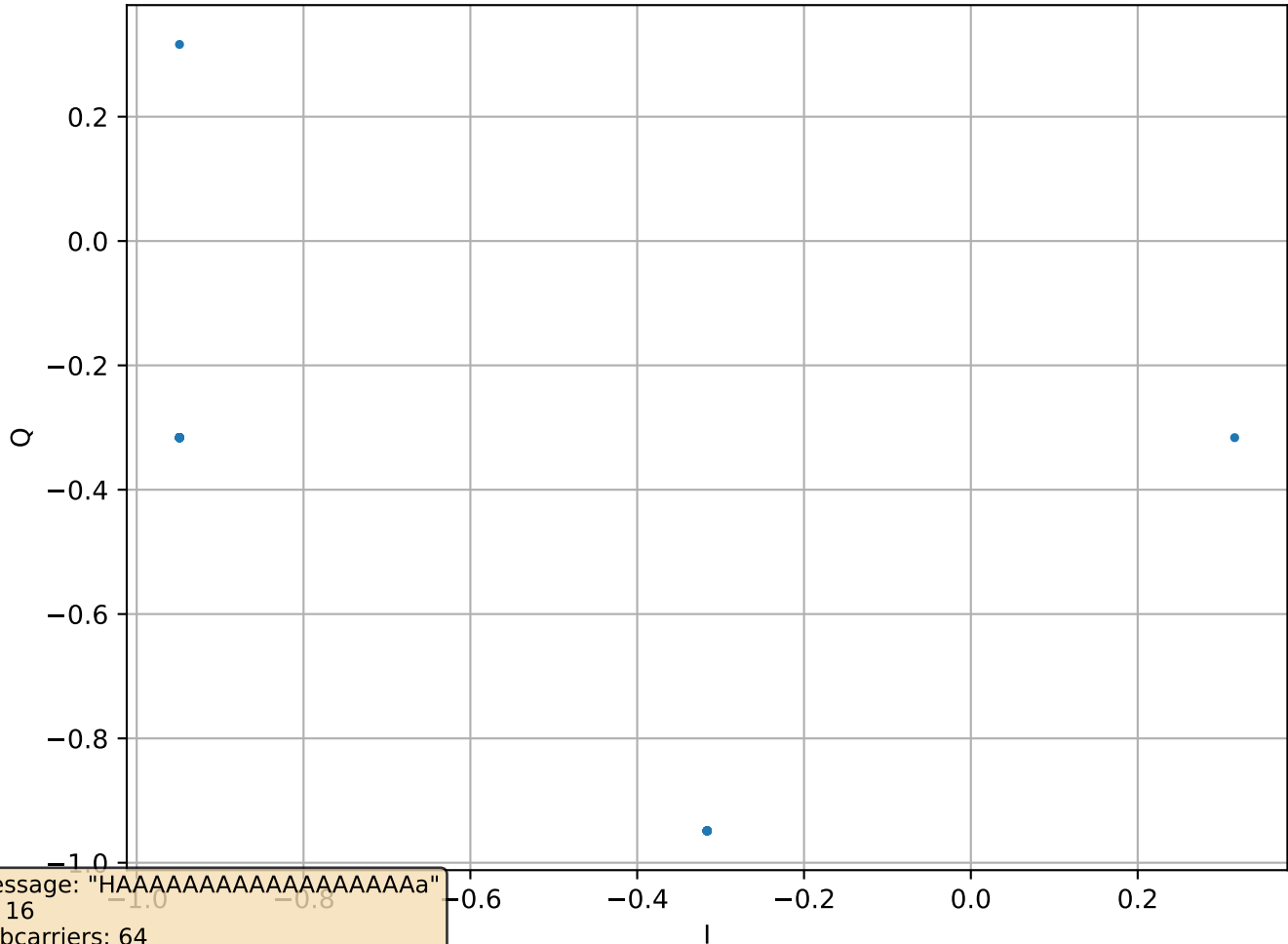


Message: "aaaaaaaaaaaaachaaaaaaaaaaaaa HAAAAAAAAAAAA"  
M: 16  
Subcarriers: 32  
CP Length: 4

R2 - Spectrum Sensing (0) | BUSY (avg power= $2.0302 \times 10^{-2}$ )

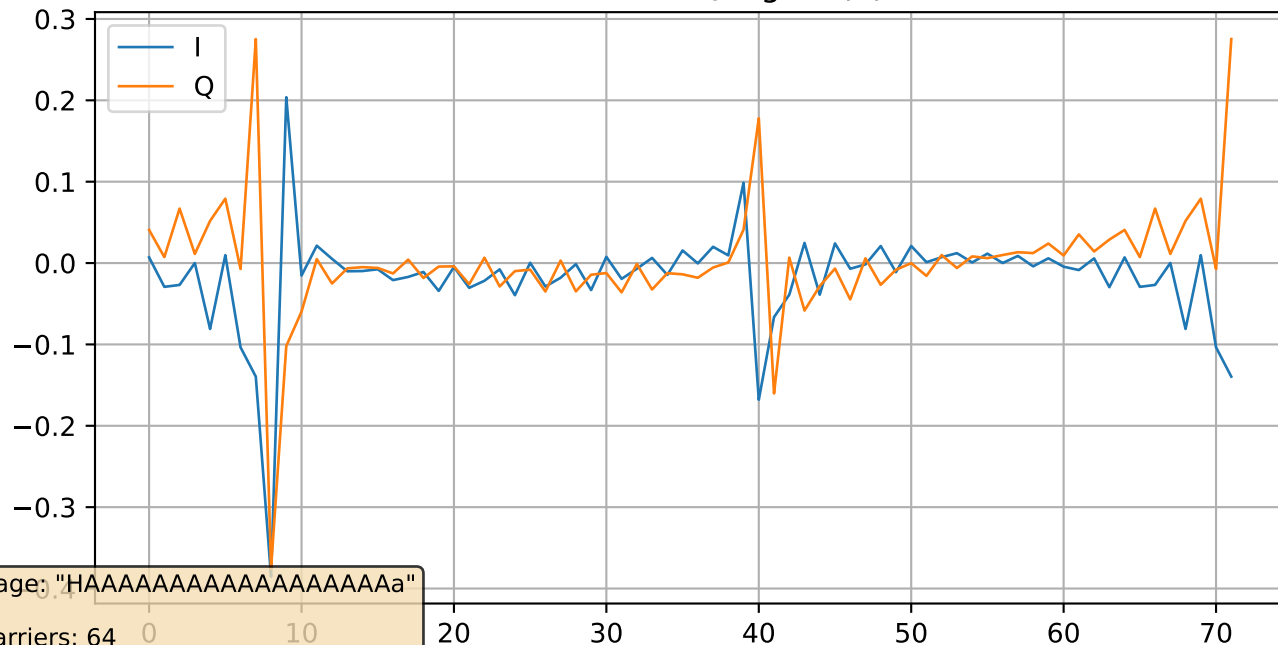


R2 - Constellation Diagram (1)



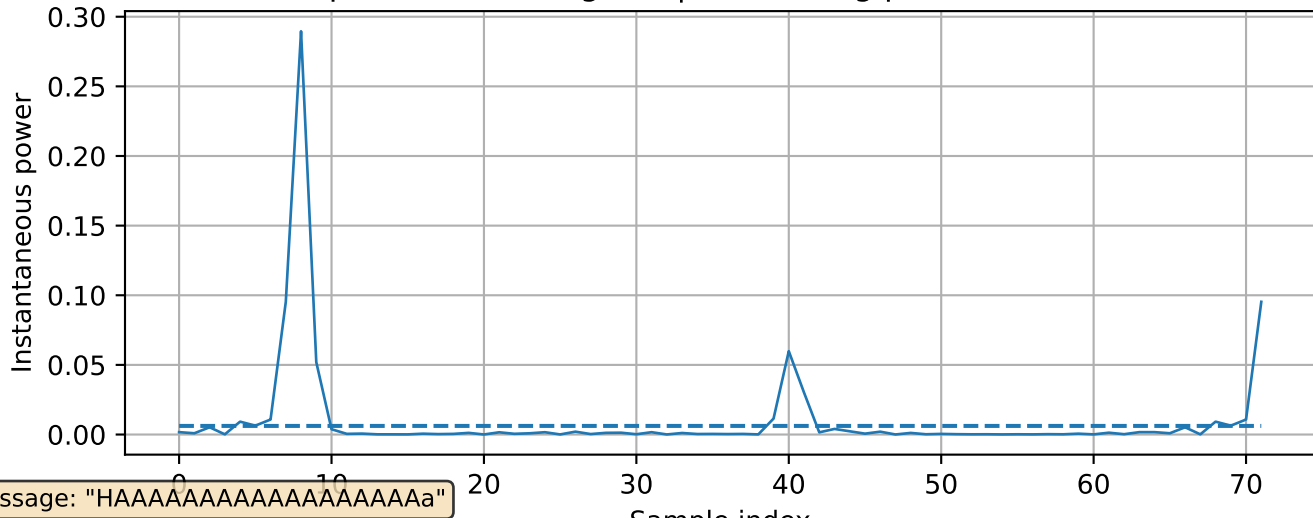
Message: "HAAAAAAAAAAAAAAAAAAAAa"  
M: 16  
Subcarriers: 64  
CP Length: 8

R2 - OFDM I/Q Signal (1)

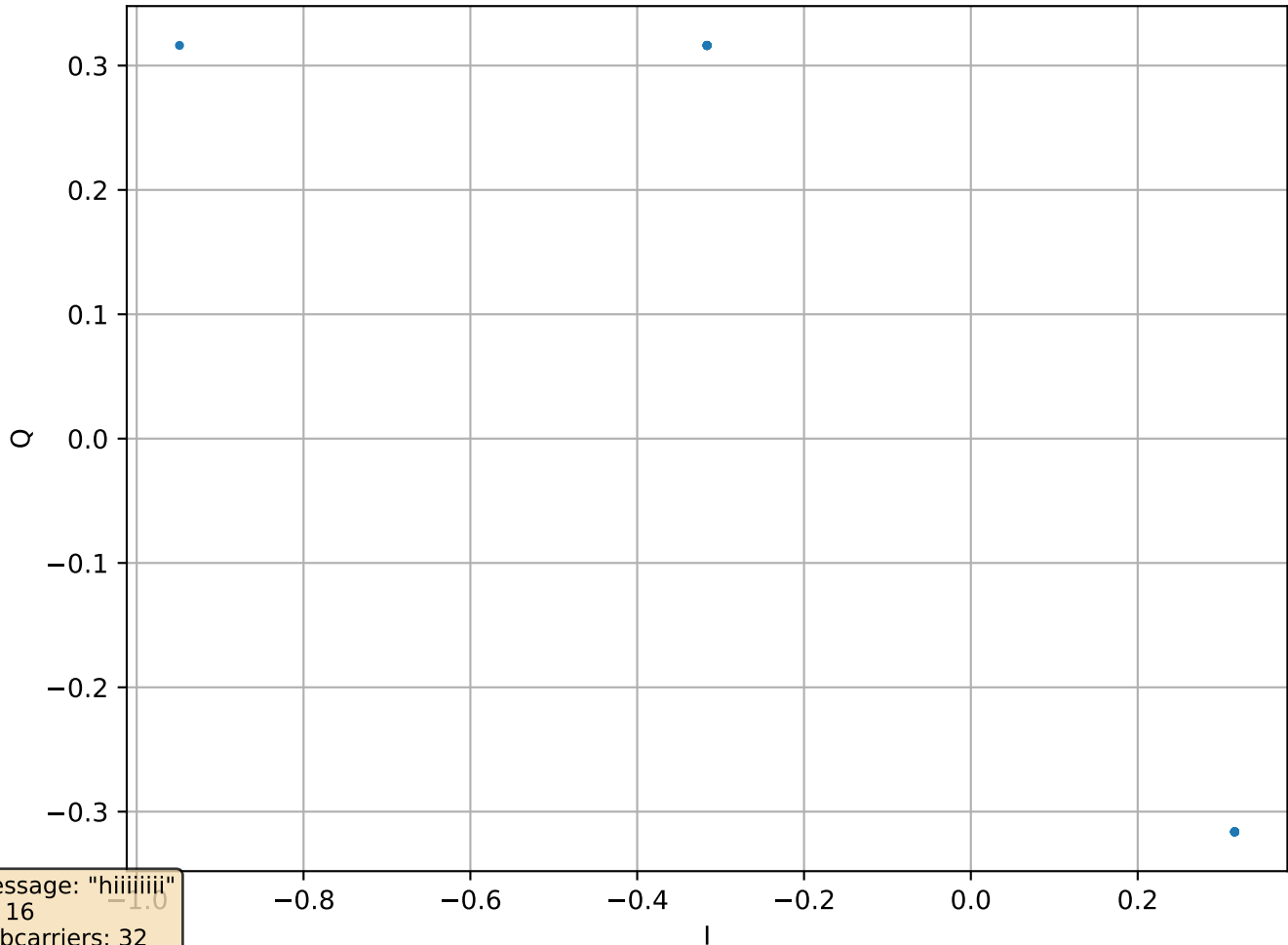


Message: "HAAAAAAAAAAAAAAAAAAAAa"  
M: 16  
Subcarriers: 64  
CP Length: 8

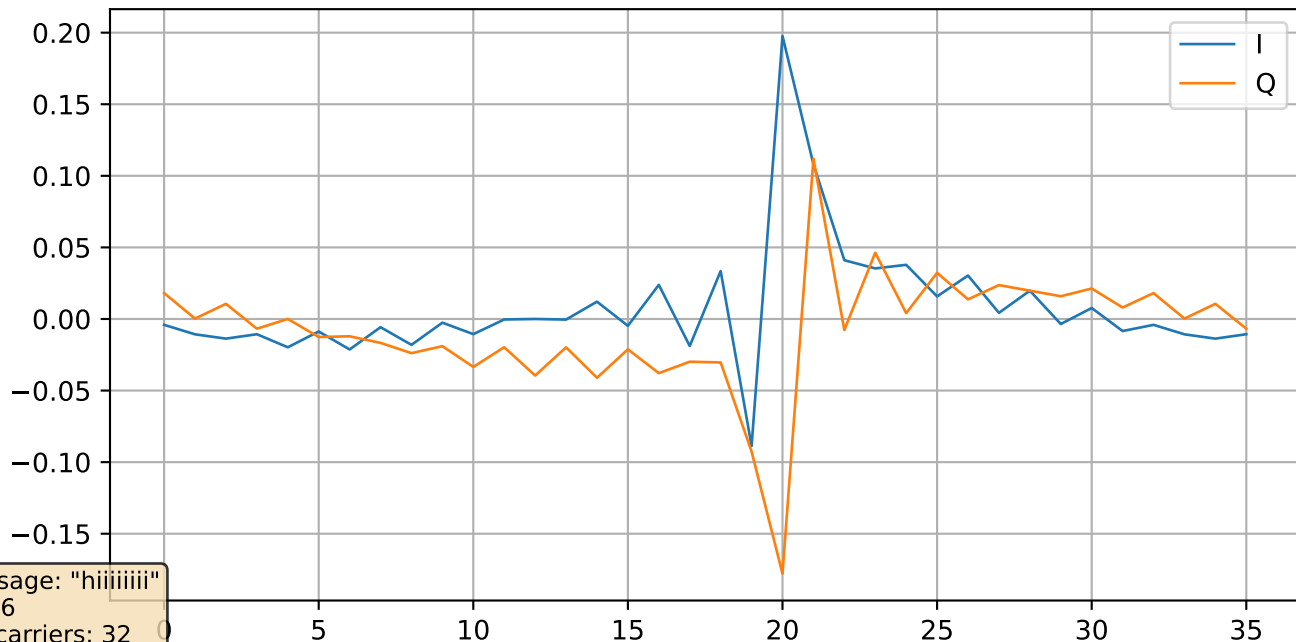
R2 - Spectrum Sensing (1) | BUSY (avg power= $1.0307 \times 10^{-2}$ )



R2 - Constellation Diagram (2)



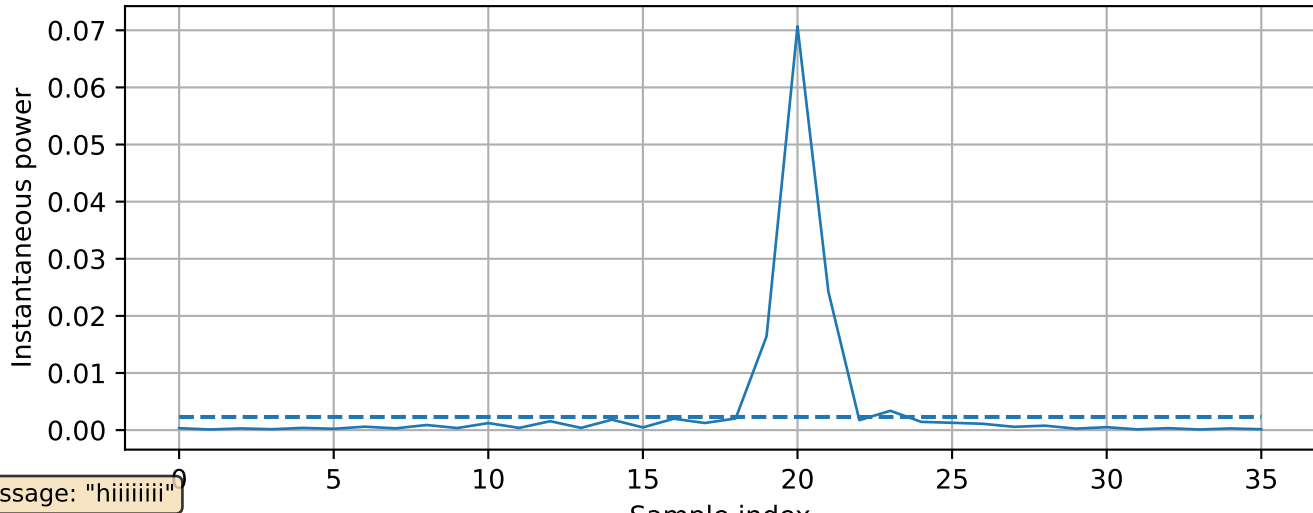
R2 - OFDM I/Q Signal (2)



Message: "hiiiiiii"  
M: 16  
Subcarriers: 32  
CP Length: 4

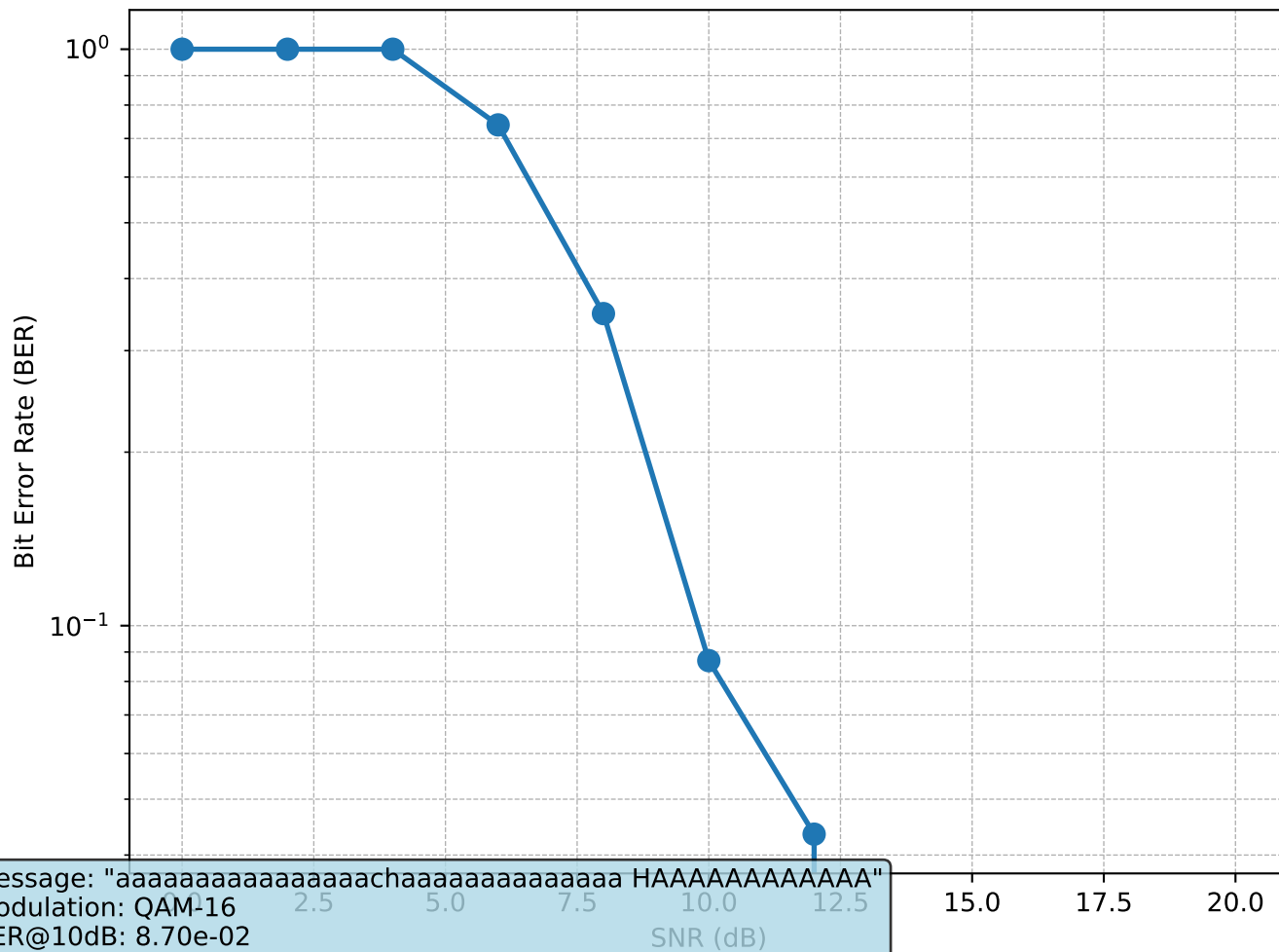


R2 - Spectrum Sensing (2) | BUSY (avg power= $3.8449 \times 10^{-3}$ )



Message: "hiiiiiii"

SNR vs BER Performance



Message: "aaaaaaaaaaaaaaaaachaaaaaaaaaaaaa HAAAAAAAAAAAA"  
Modulation: QAM-16  
BER@10dB: 8.70e-02  
BER@20dB: 0.00e+00