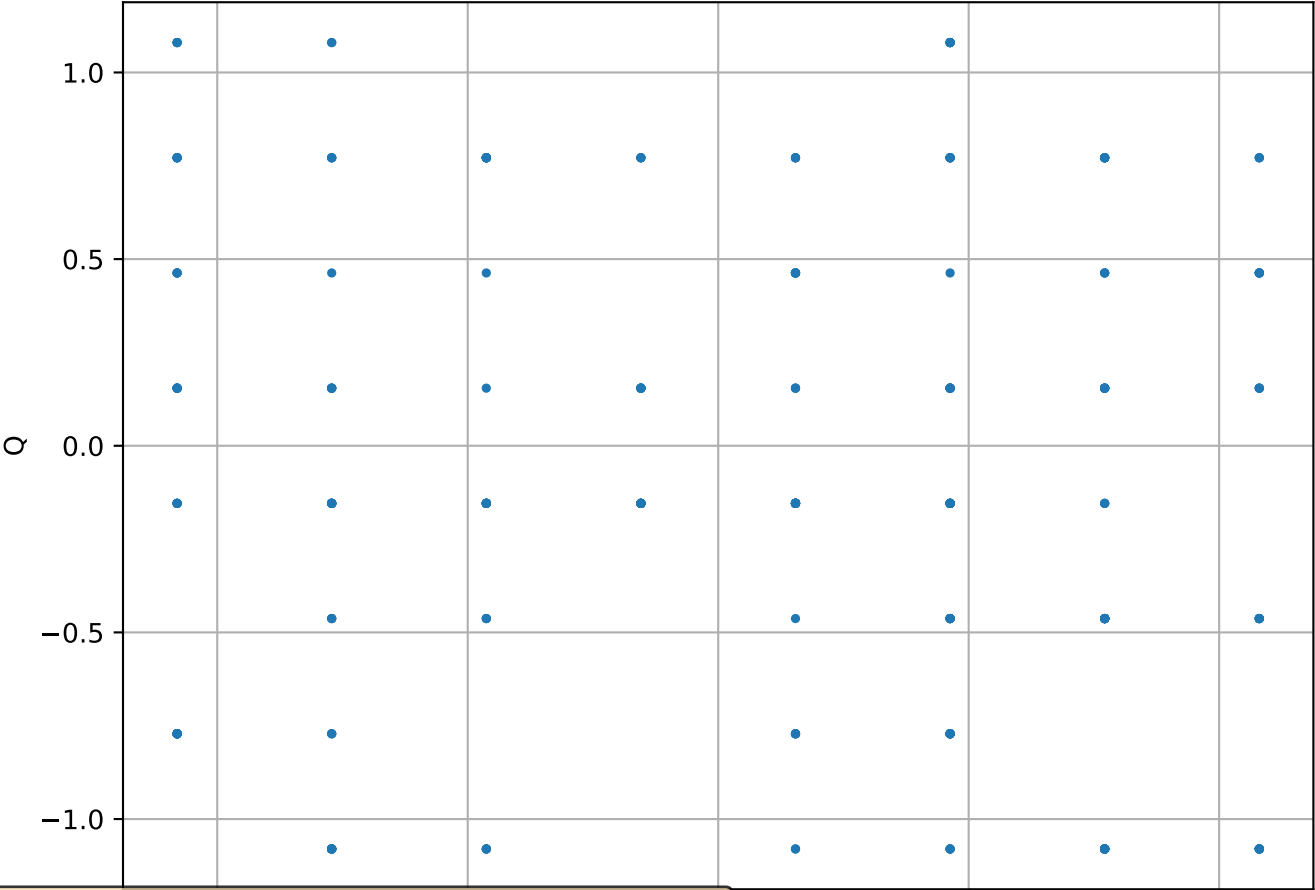
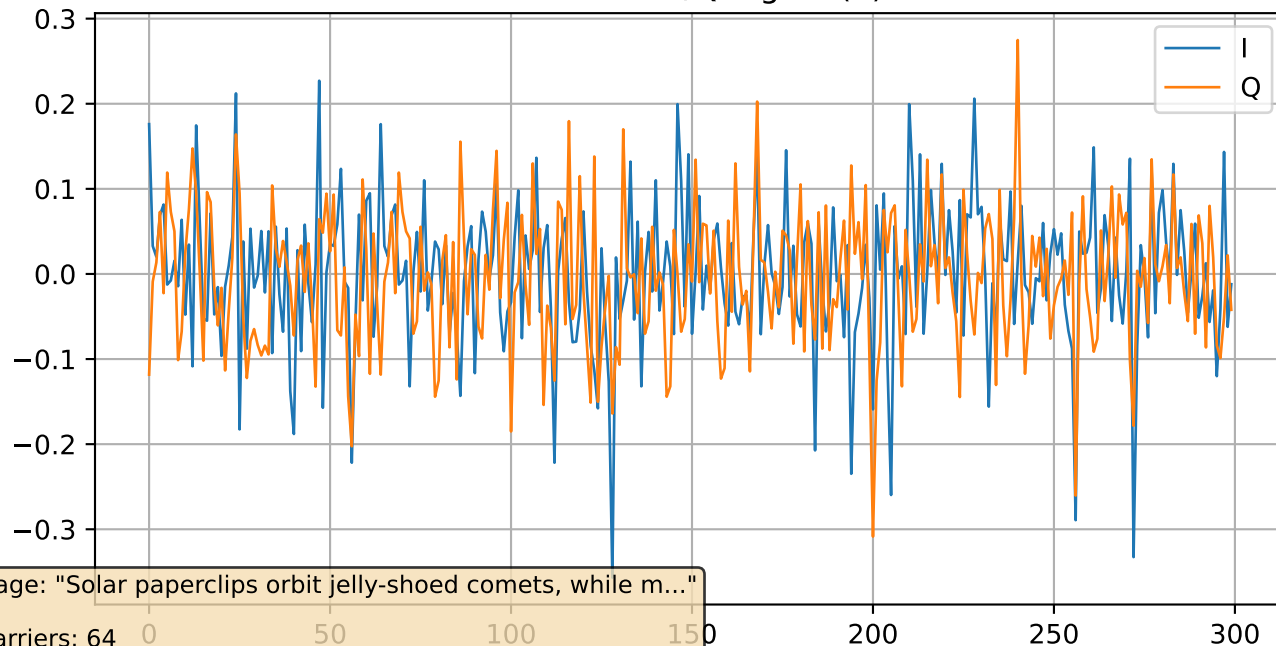


S1 - Constellation Diagram (0)



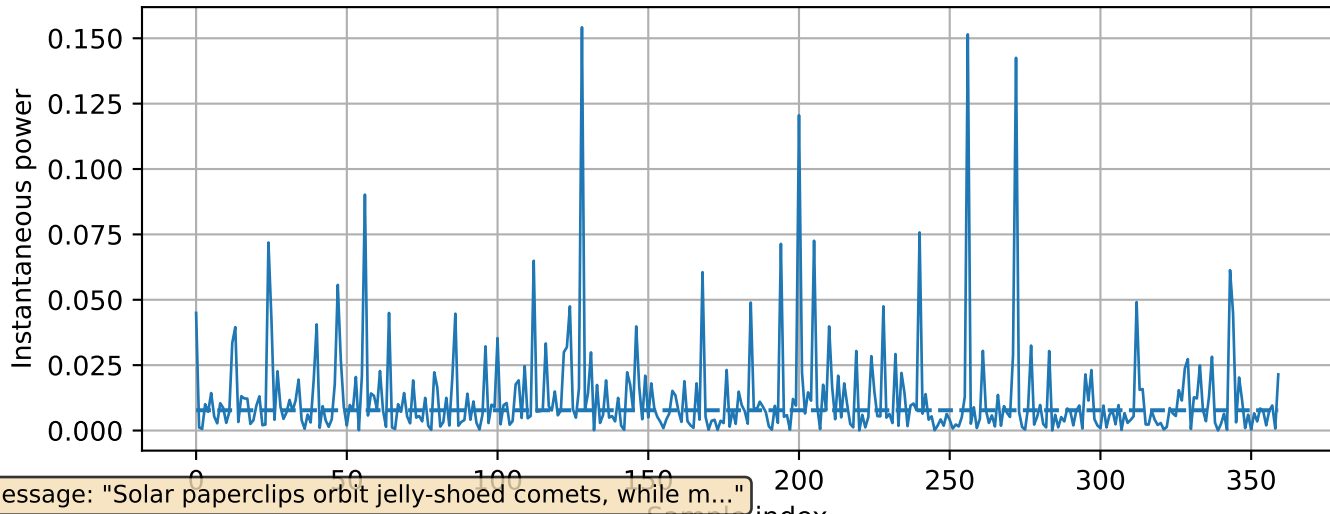
Message: "Solar paperclips orbit jelly-shoed comets, while m..."
M: 64
Subcarriers: 64
CP Length: 8

S1 - OFDM I/Q Signal (0)

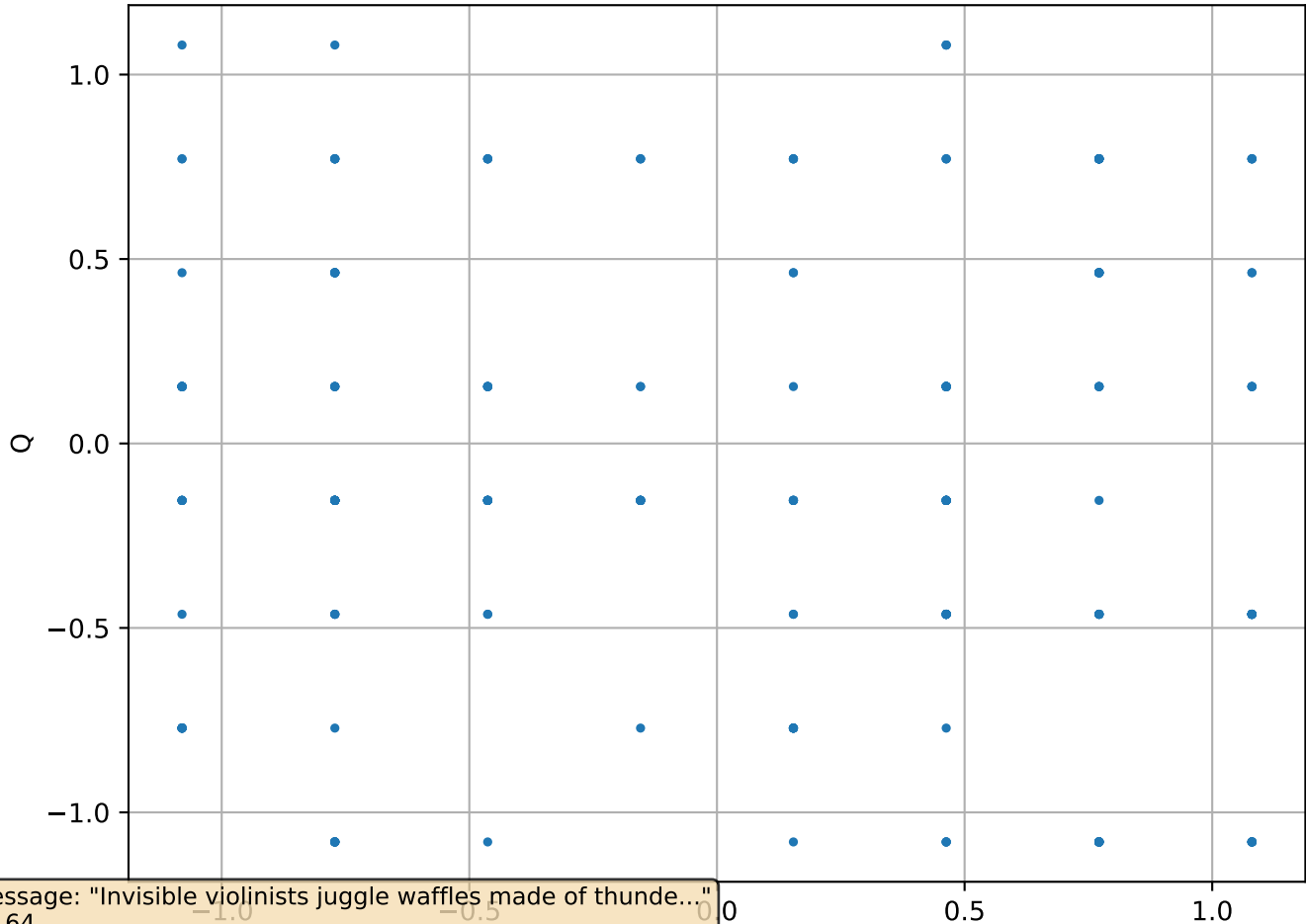


Message: "Solar paperclips orbit jelly-shoed comets, while m..."
M: 64
Subcarriers: 64
CP Length: 8

S1 - Spectrum Sensing (0) | BUSY (avg power= 1.2916×10^{-2})

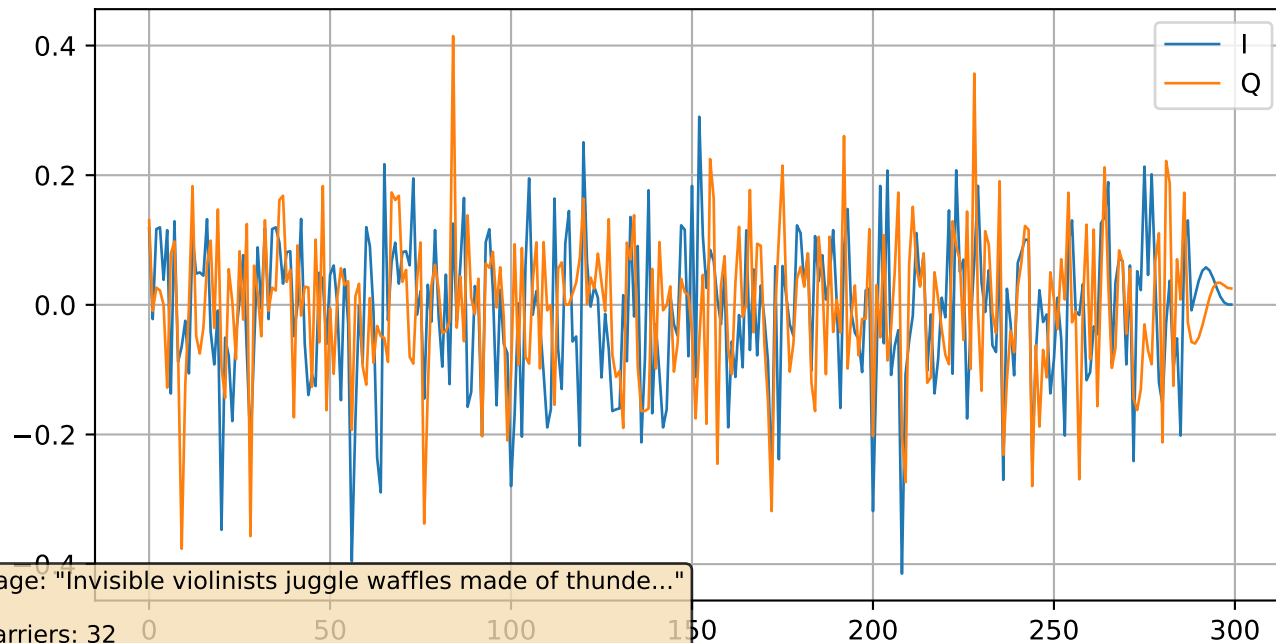


S1 - Constellation Diagram (1)



Message: "Invisible violinists juggle waffles made of thunde..."
M: 64
Subcarriers: 32
CP Length: 4

S1 - OFDM I/Q Signal (1)



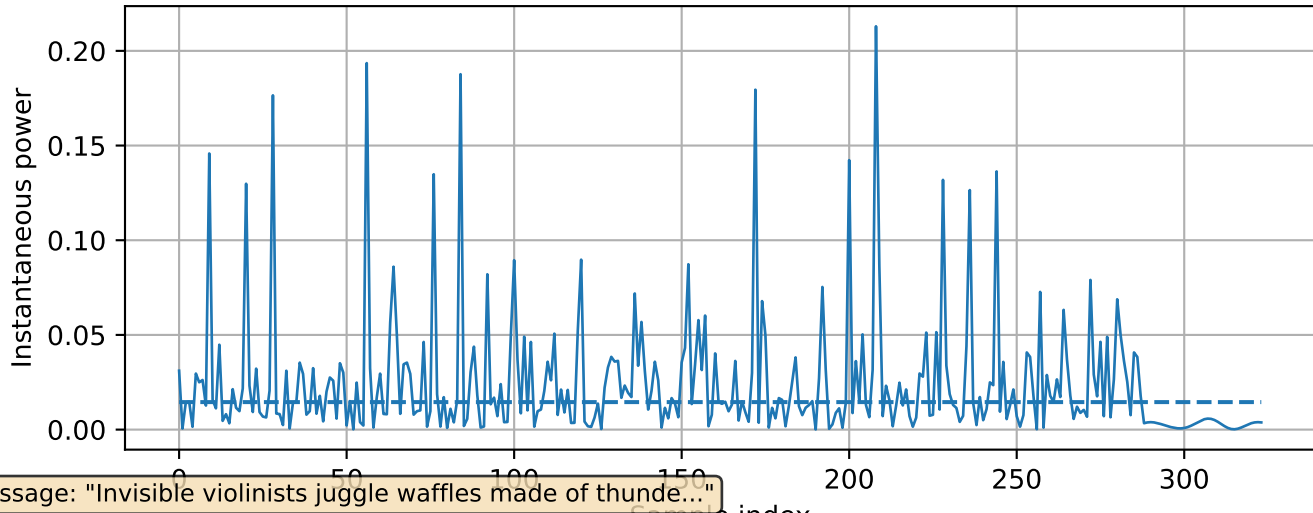
Message: "Invisible violinists juggle waffles made of thunde..."

M: 64

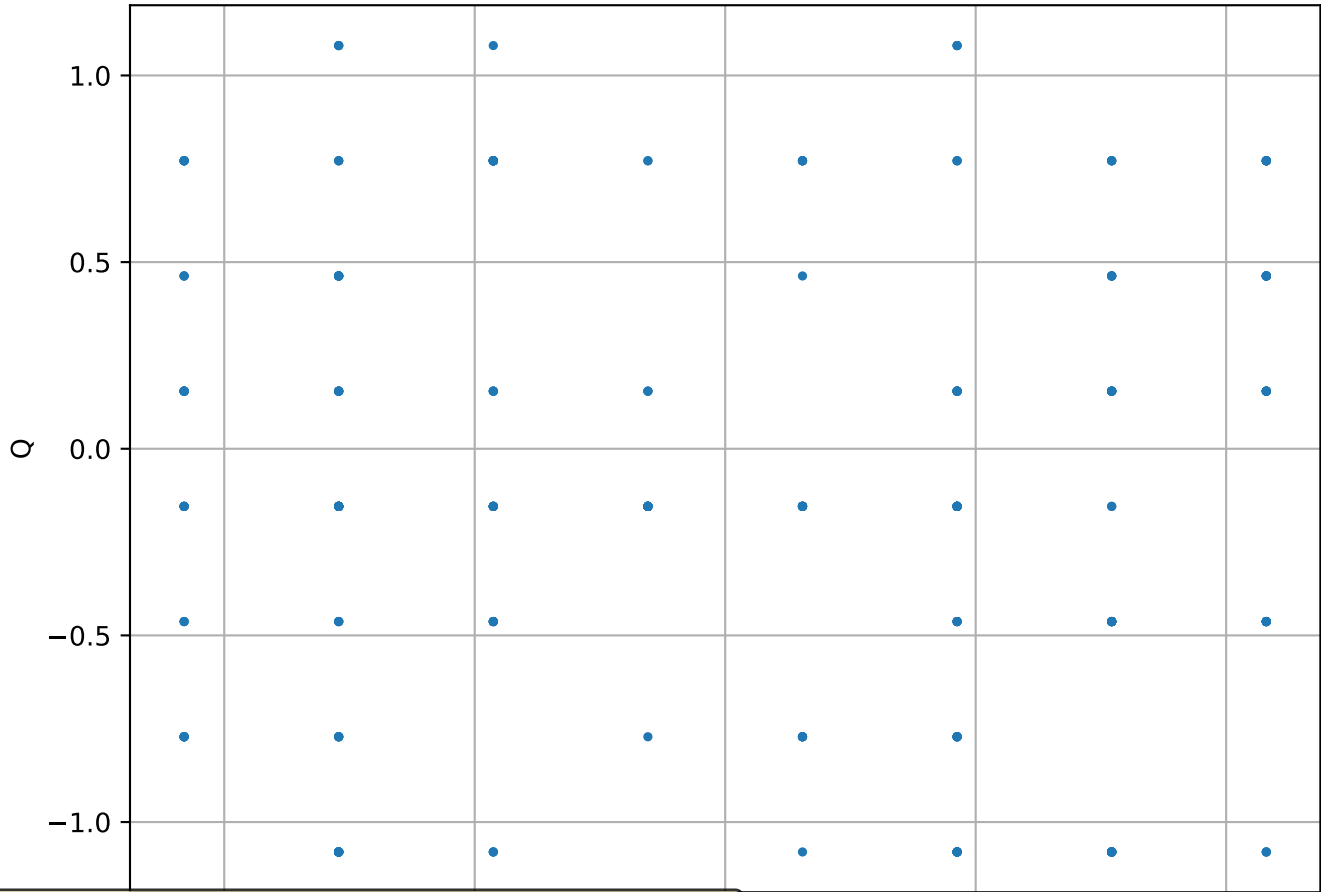
Subcarriers: 32

CP Length: 4

S1 - Spectrum Sensing (1) | BUSY (avg power= 2.4202×10^{-2})

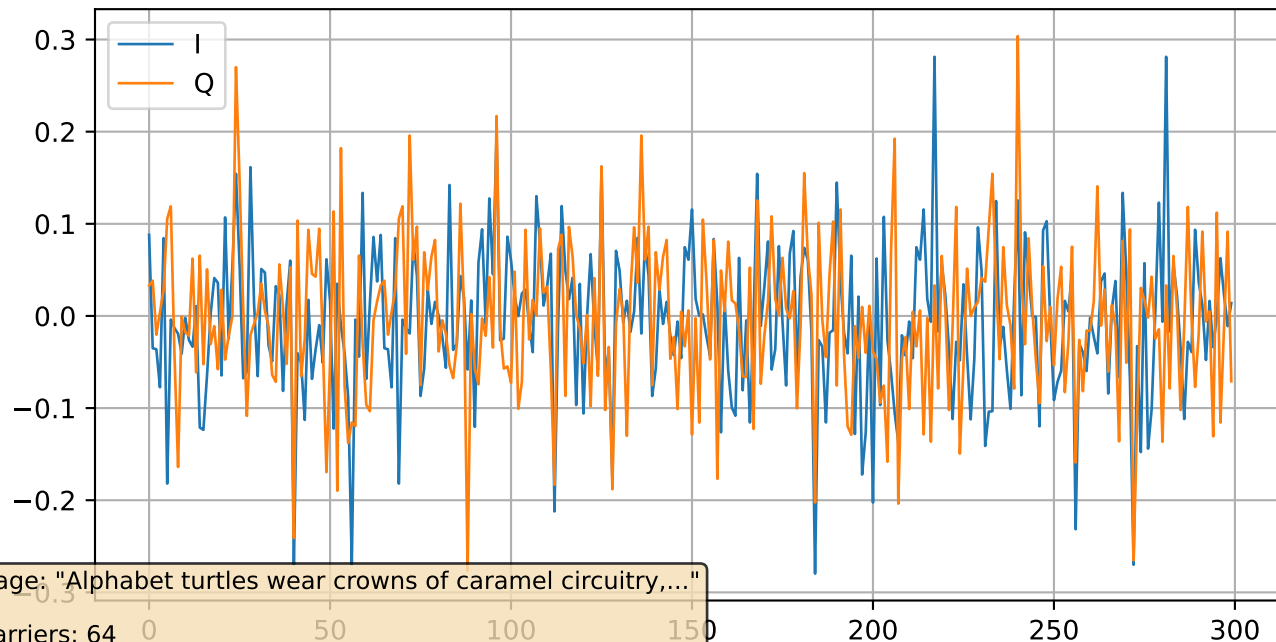


S1 - Constellation Diagram (3)



Message: "Alphabet turtles wear crowns of caramel circuitry,..."
M: 64
Subcarriers: 64
CP Length: 8

S1 - OFDM I/Q Signal (3)



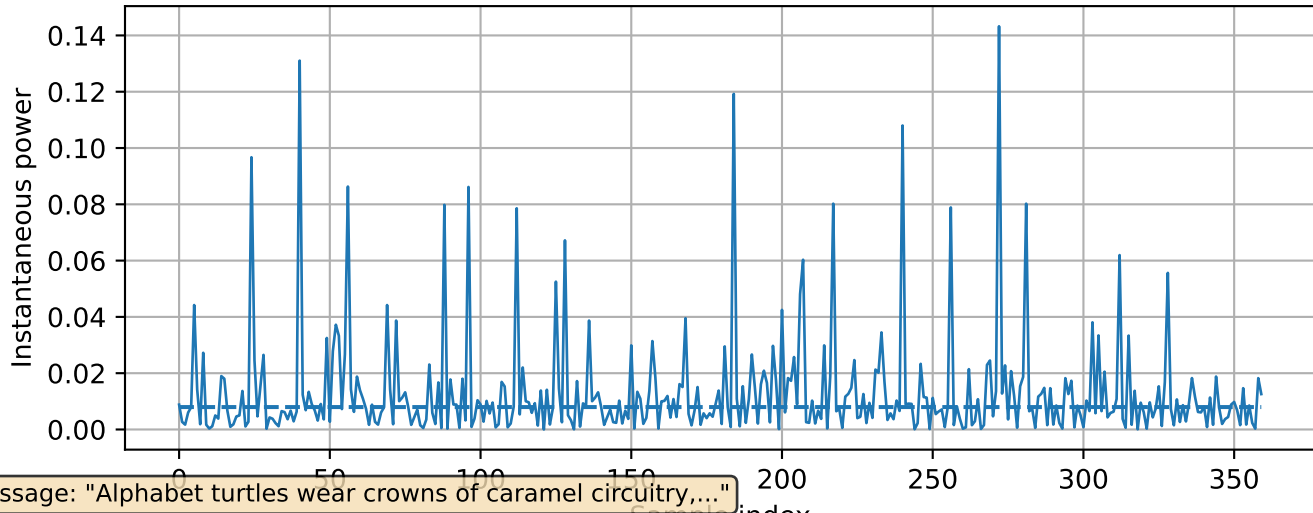
Message: "Alphabet turtles wear crowns of caramel circuitry,..."

M: 64

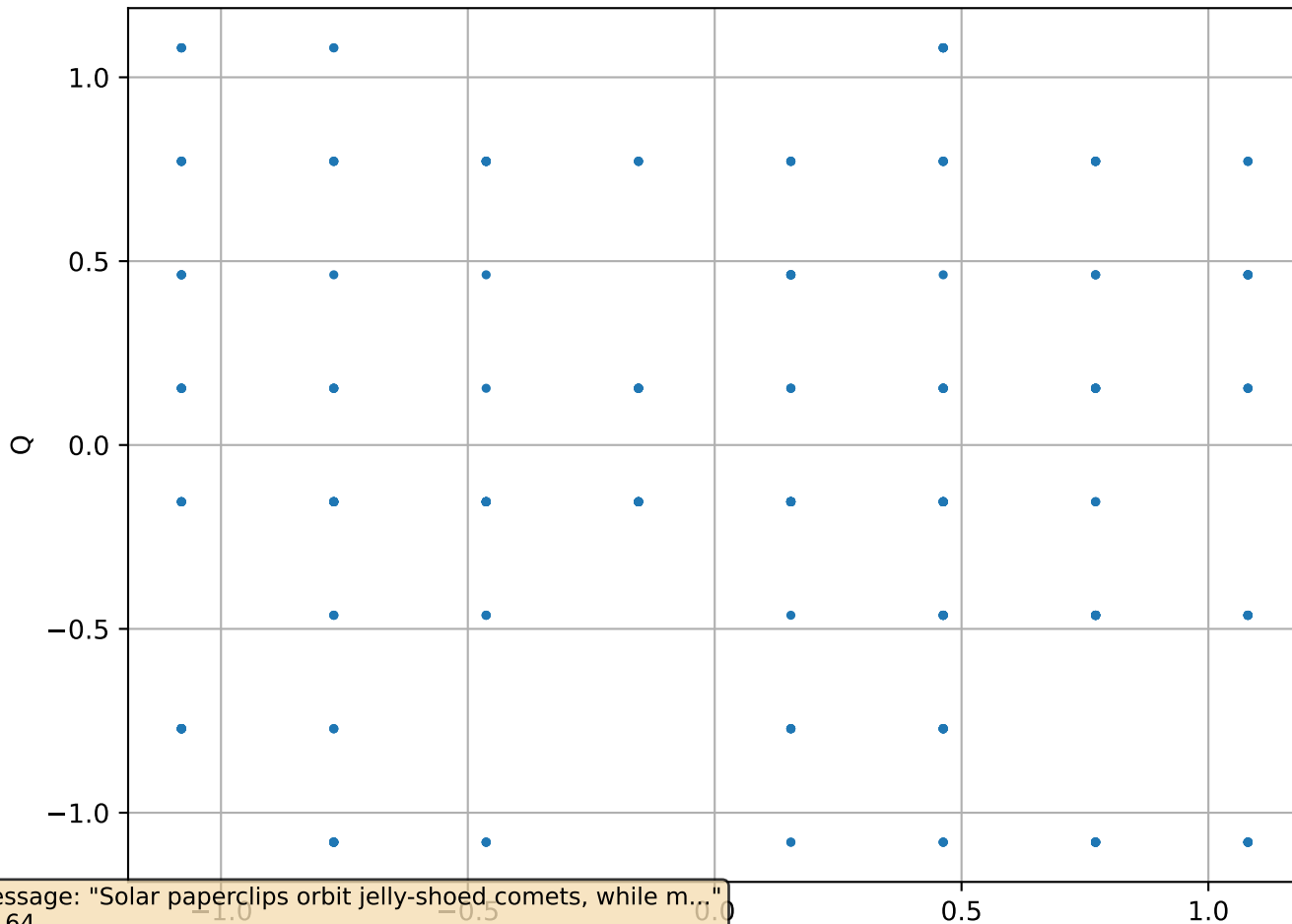
Subcarriers: 64

CP Length: 8

S1 - Spectrum Sensing (3) | BUSY (avg power= 1.3276×10^{-2})

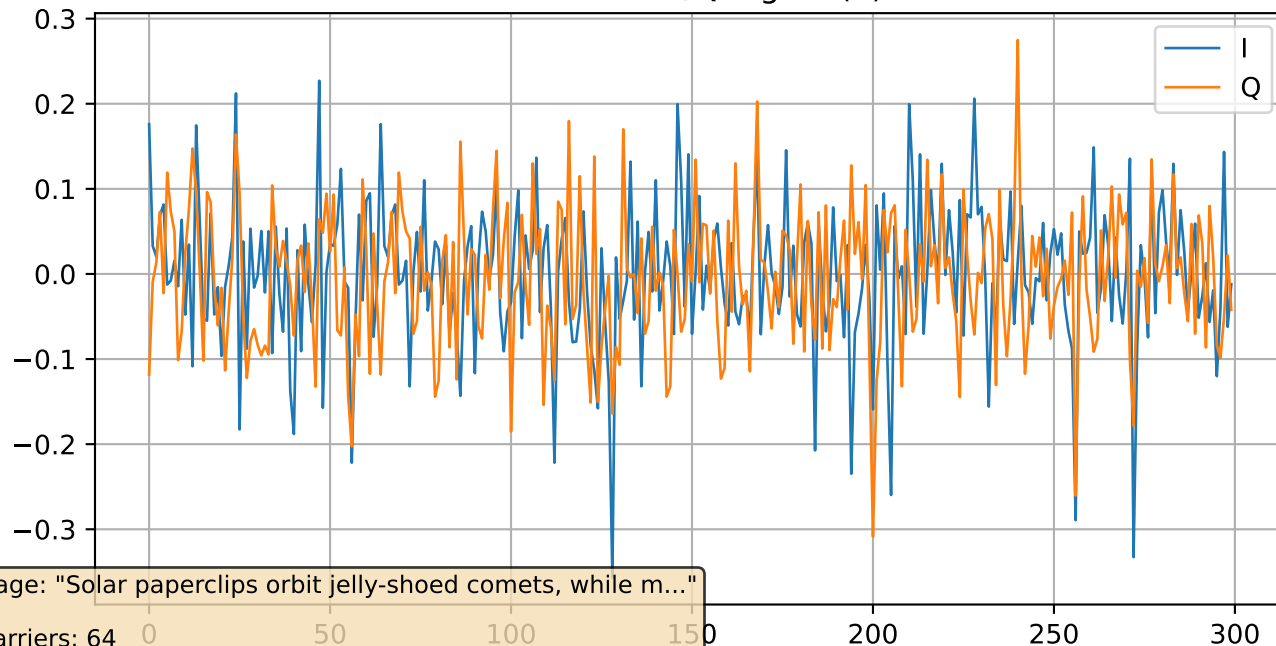


S1 - Constellation Diagram (4)



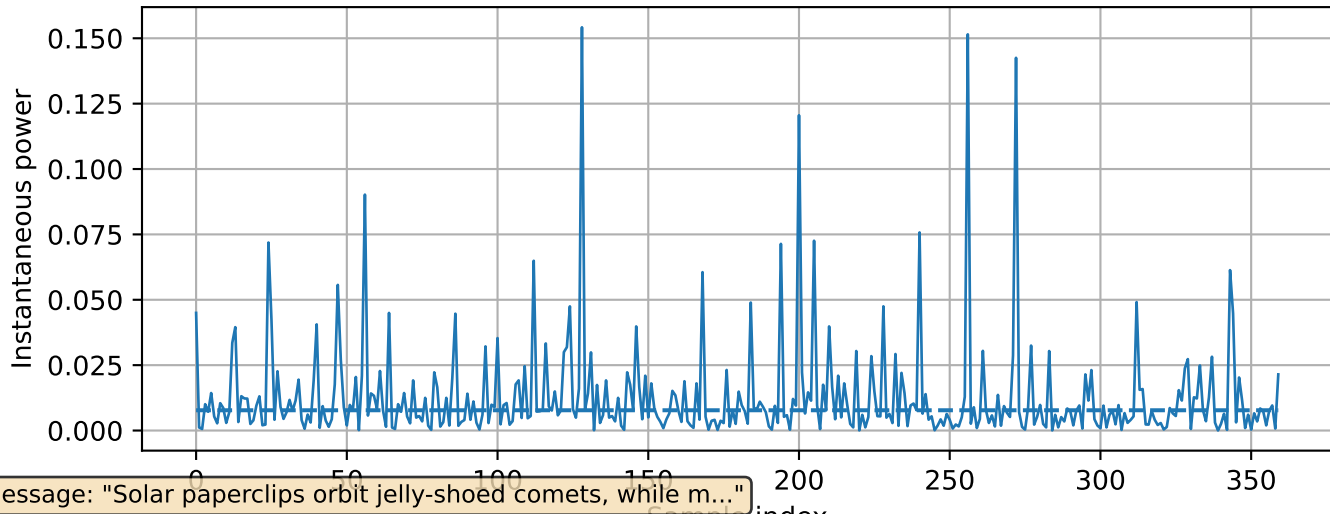
Message: "Solar paperclips orbit jelly-shoed comets, while m..."
M: 64
Subcarriers: 64
CP Length: 8

S1 - OFDM I/Q Signal (4)

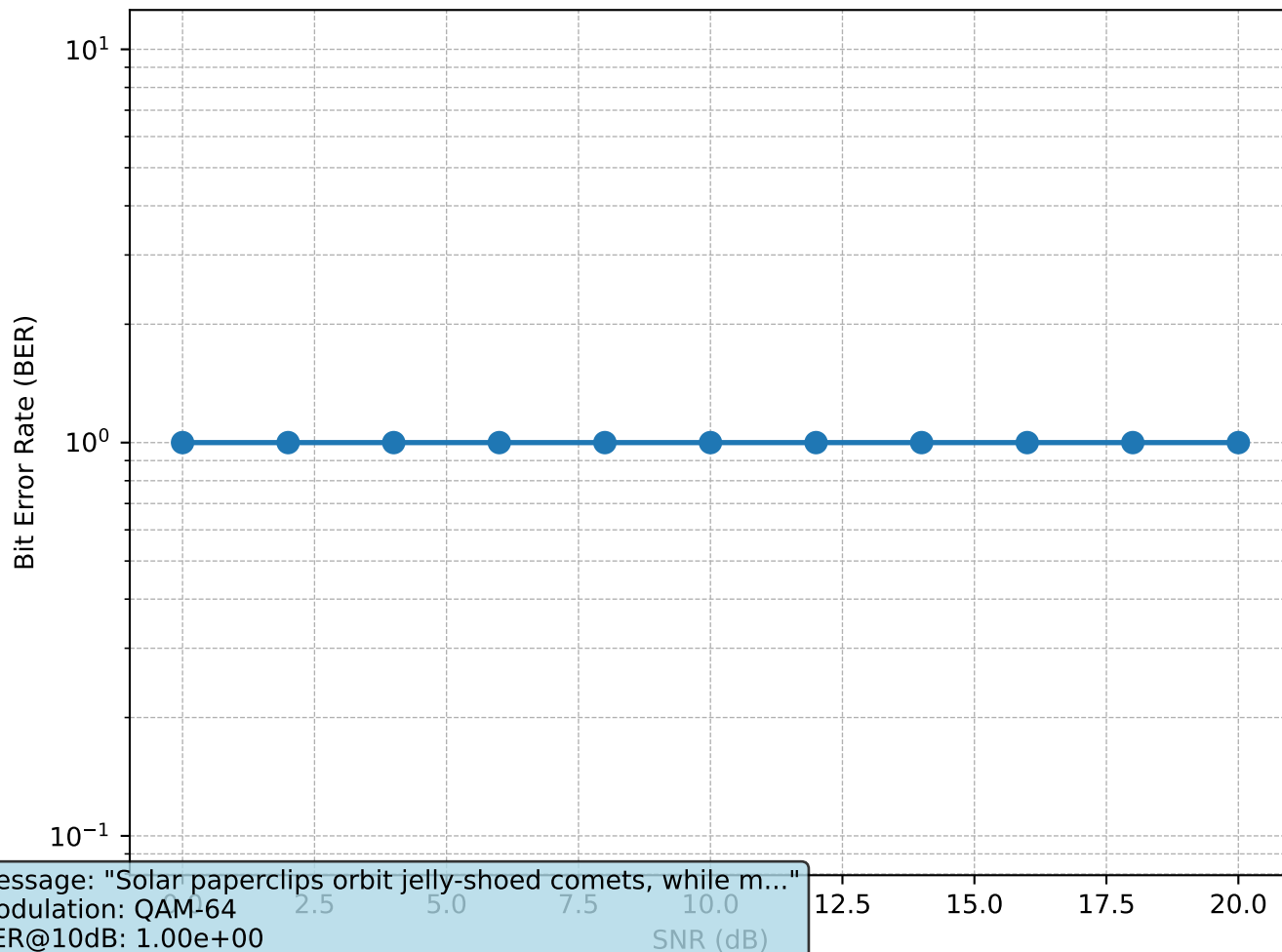


Message: "Solar paperclips orbit jelly-shoed comets, while m..."
M: 64
Subcarriers: 64
CP Length: 8

S1 - Spectrum Sensing (4) | BUSY (avg power= 1.2916×10^{-2})



SNR vs BER Performance



Message: "Solar paperclips orbit jelly-shoed comets, while m..."
Modulation: QAM-64
BER@10dB: 1.00e+00
BER@20dB: 1.00e+00