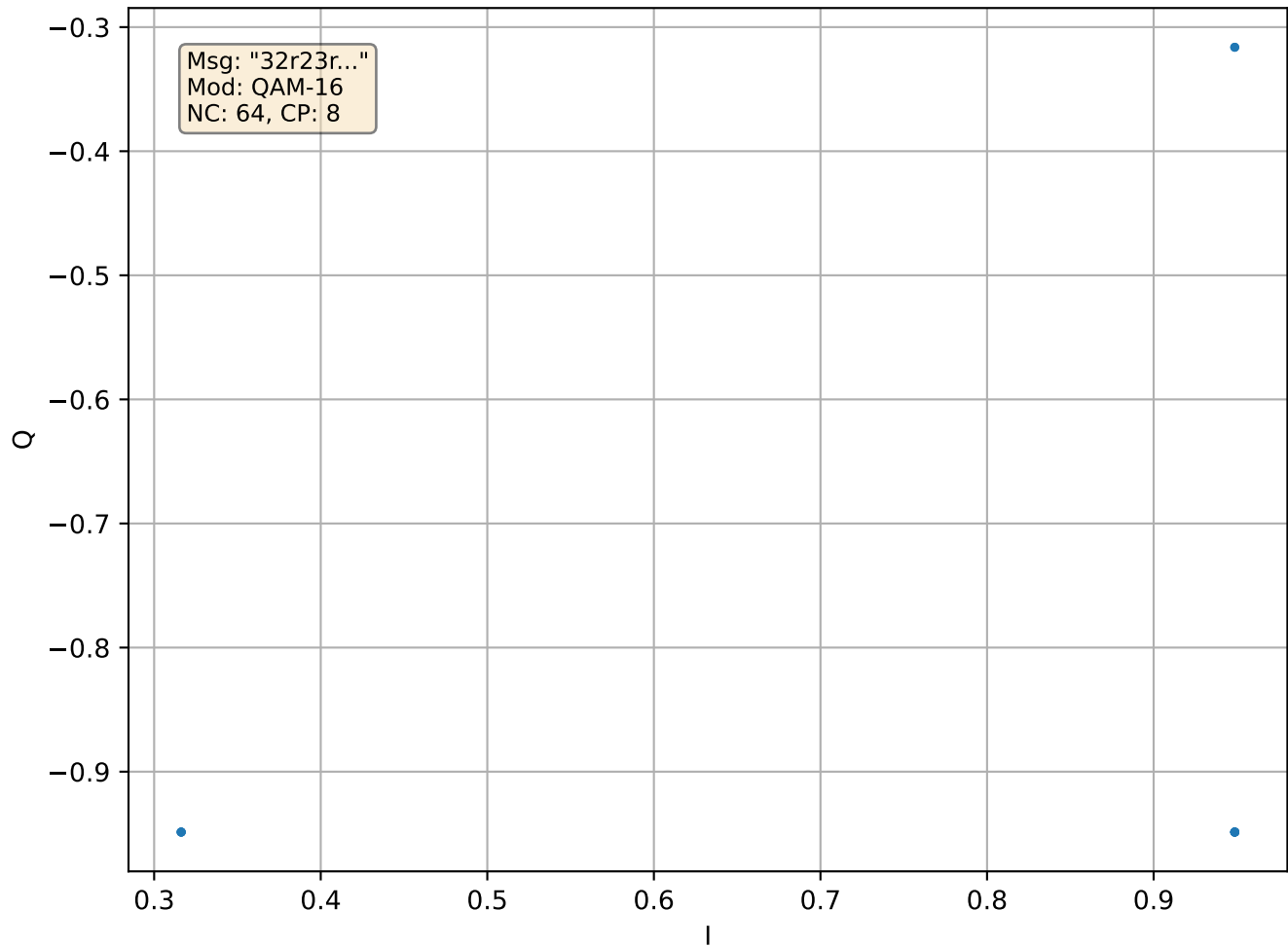
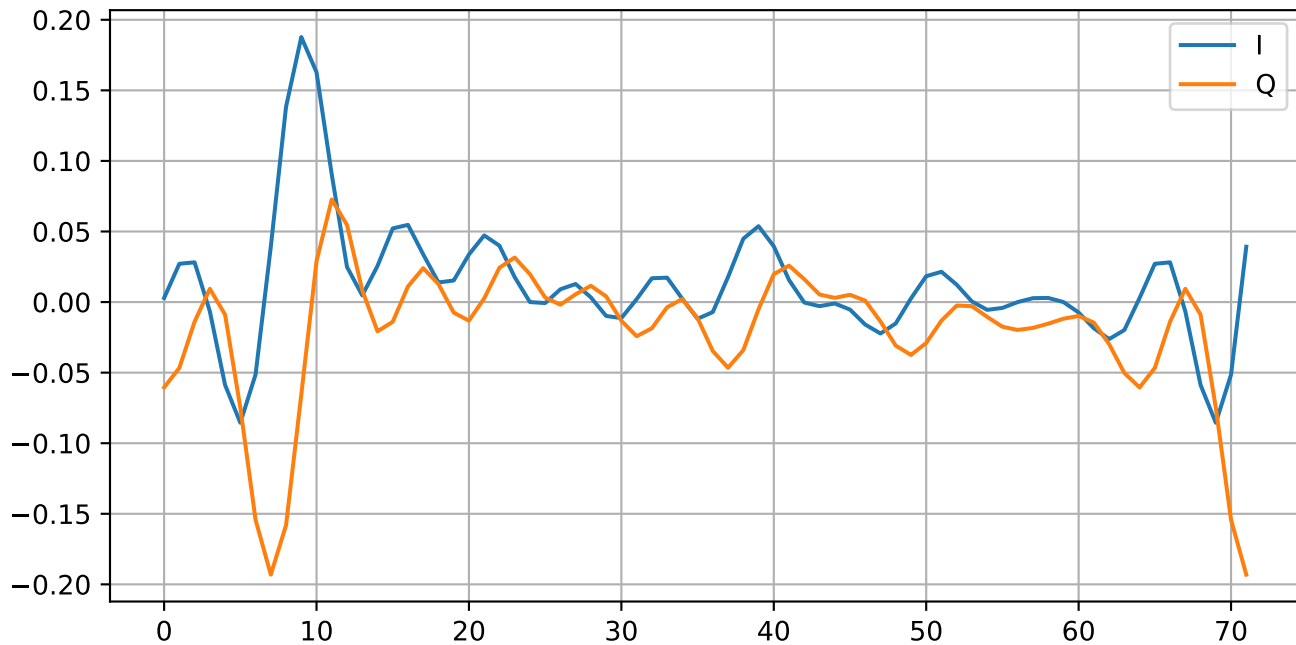


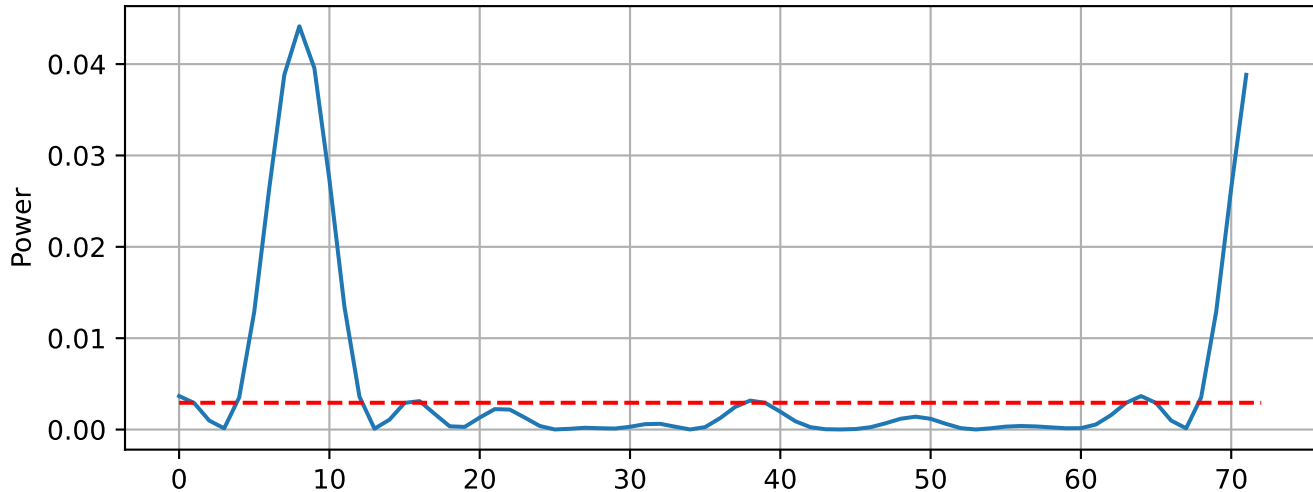
[MSG 0] R1 Constellation



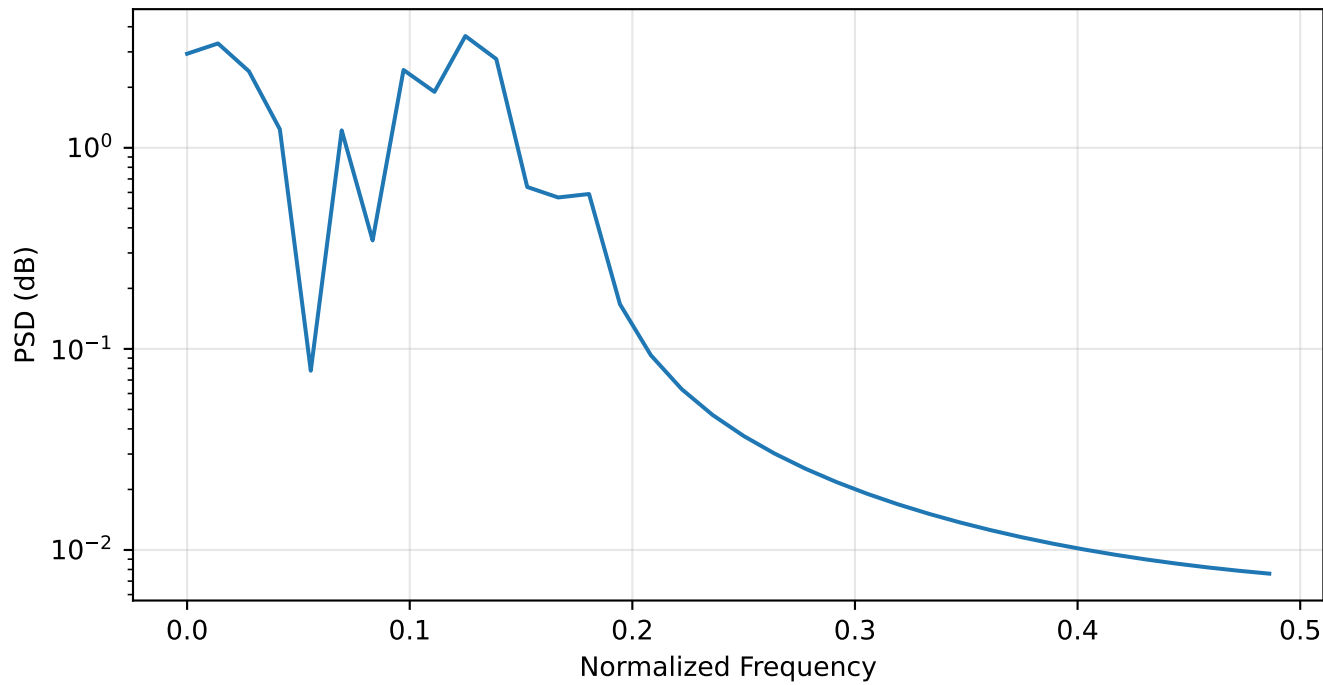
[MSG 0] R1 OFDM Time Domain



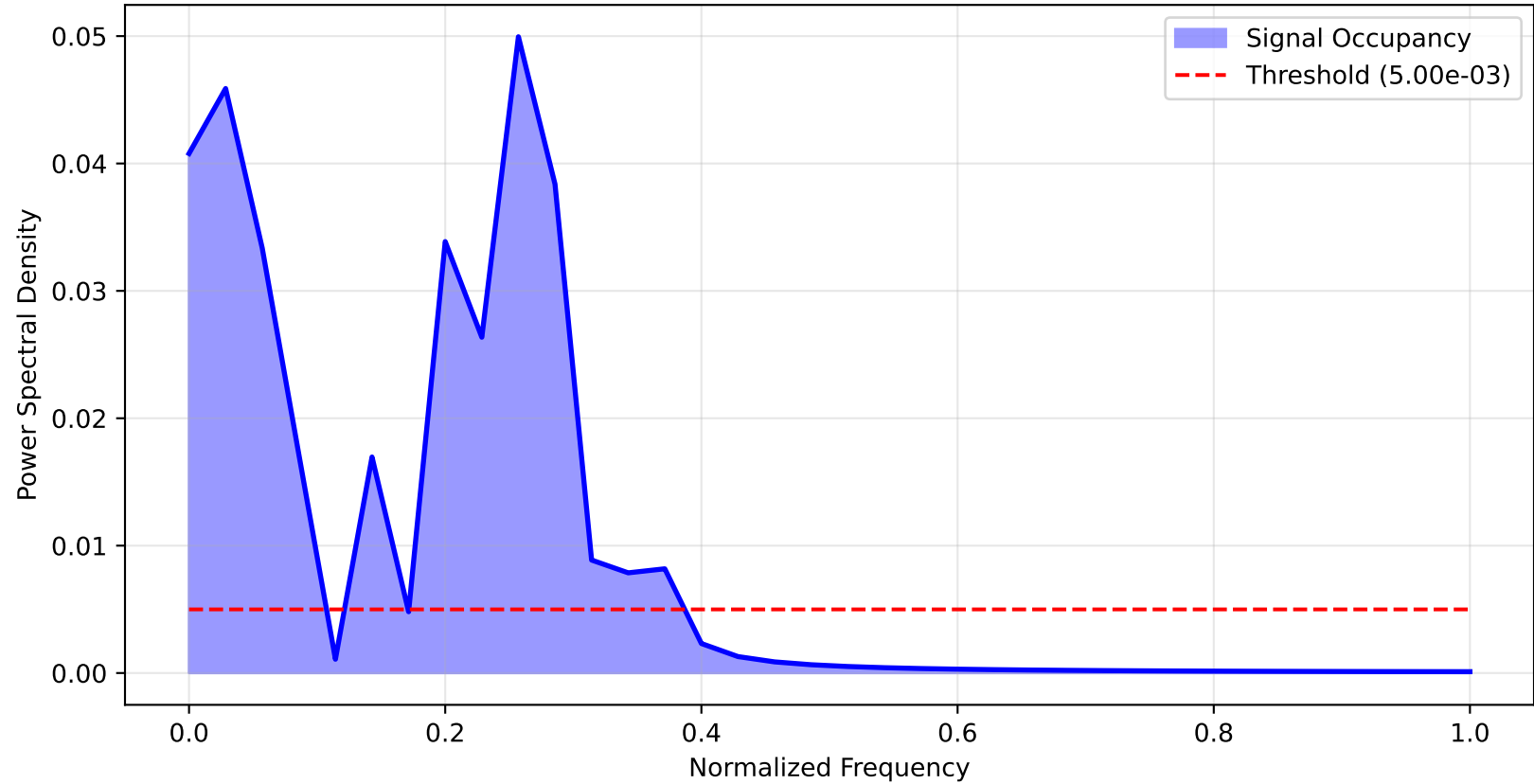
[MSG 0] R1 Power Envelope



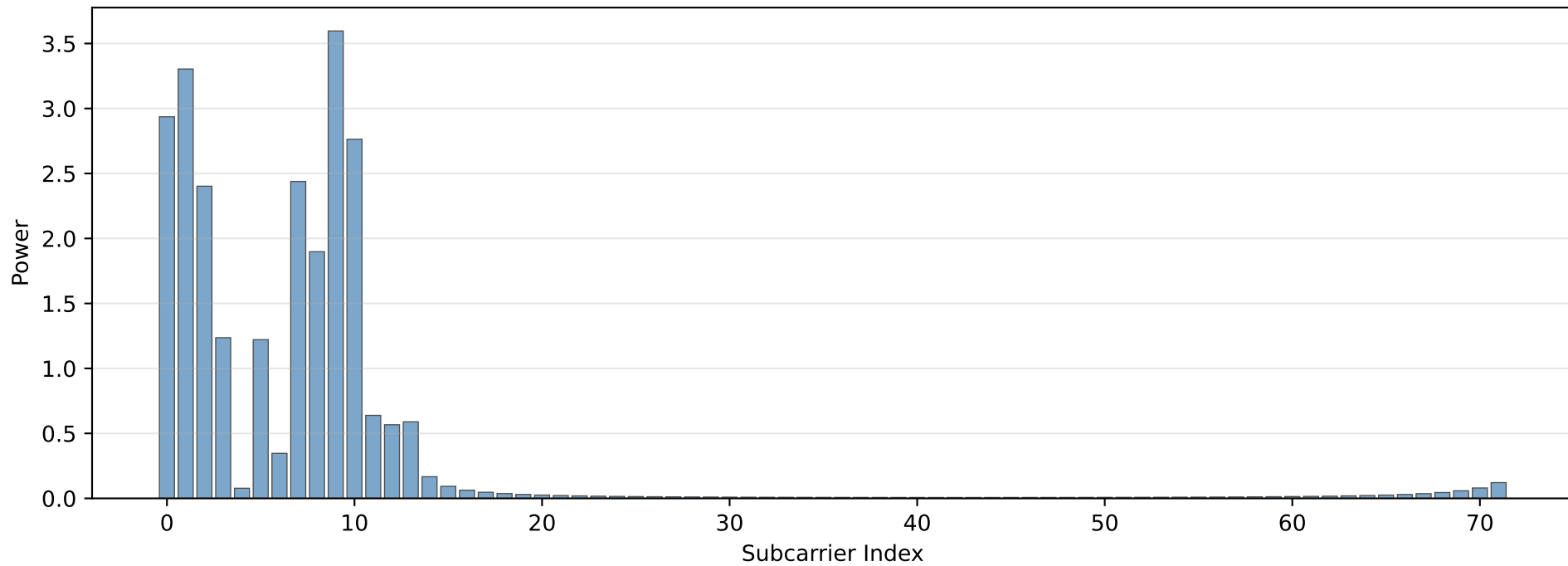
[MSG 0] R1 Power Spectral Density



[MSG 0] Spectrum Occupancy



[MSG 0] Subcarrier Power Distribution



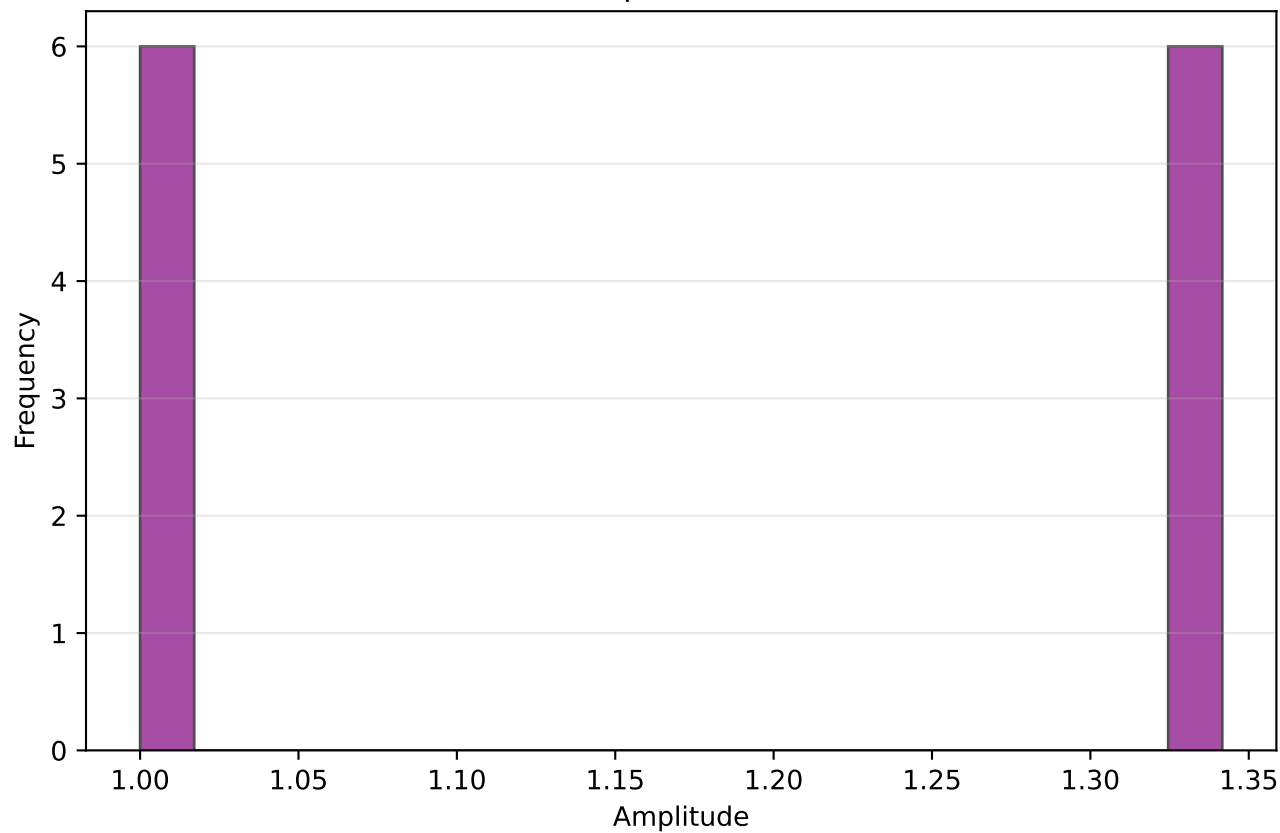
[MSG 0] Channel Capacity Analysis

SNR: 20.00 dB
Modulation: QAM-16
Bandwidth: 20.0 MHz
Signal Power: 4.89e-03 W
Noise Power: 4.89e-05 W
Shannon Capacity: 133.16 Mbps

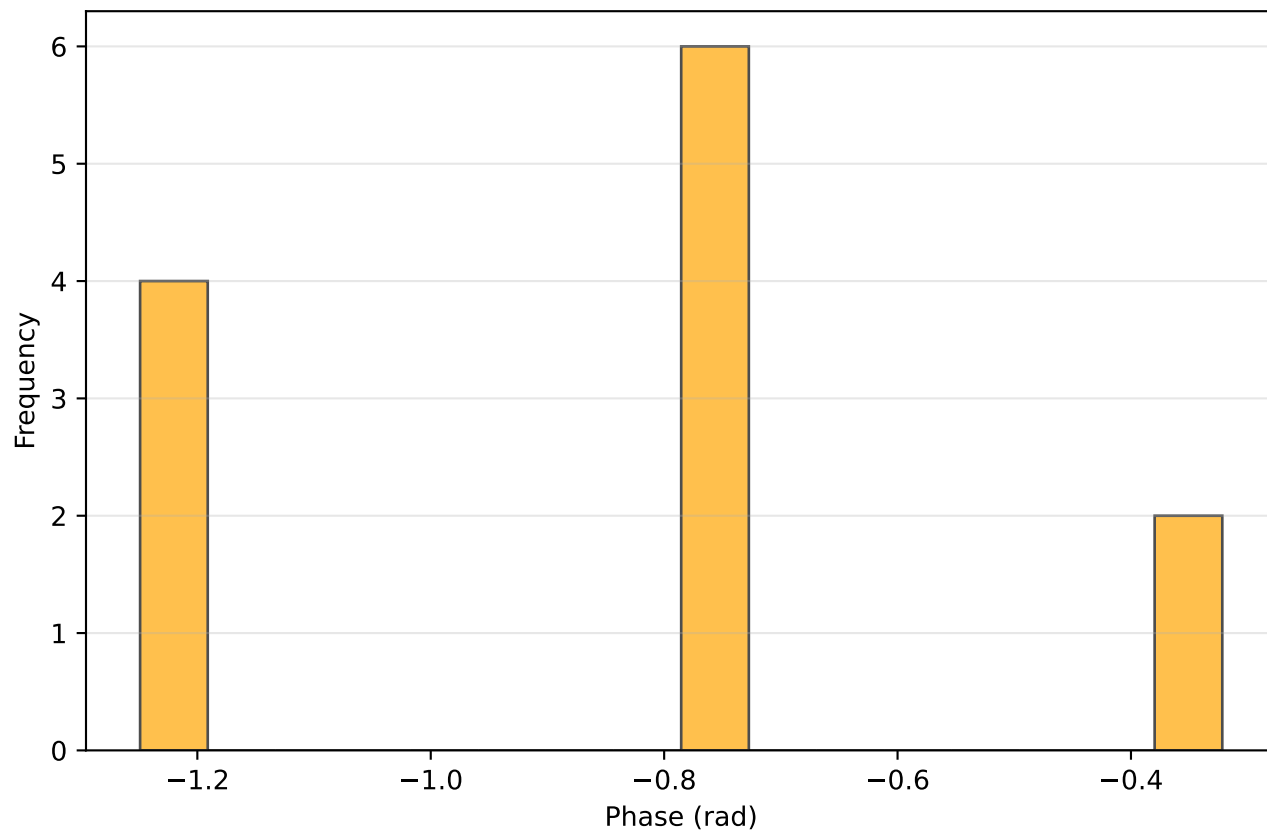
[MSG 0] R1 SNR Analysis

Est. SNR: 20.00 dB
Modulation: QAM-16
Signal Power: 4.89e-03

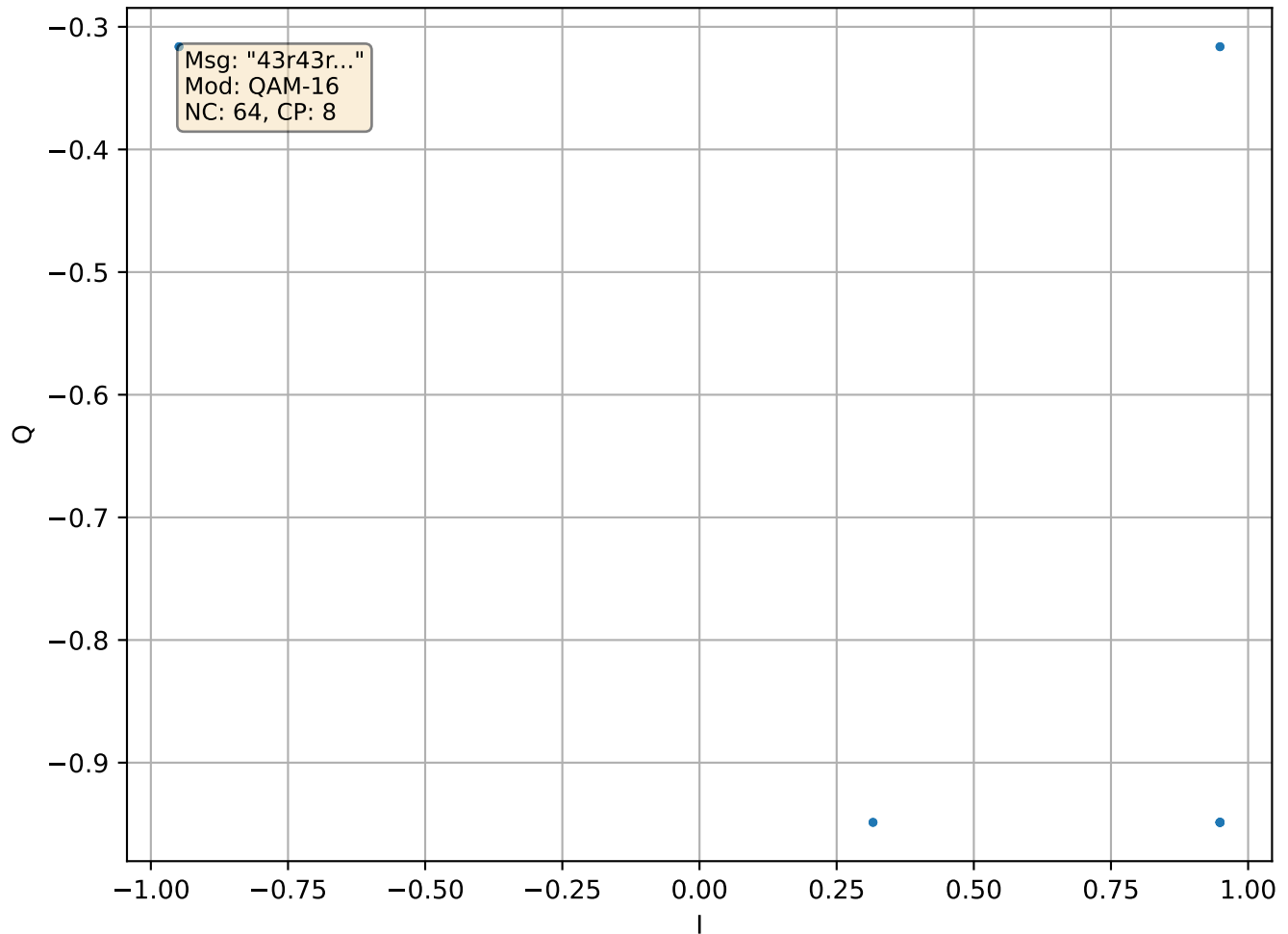
[MSG 0] Amplitude Distribution



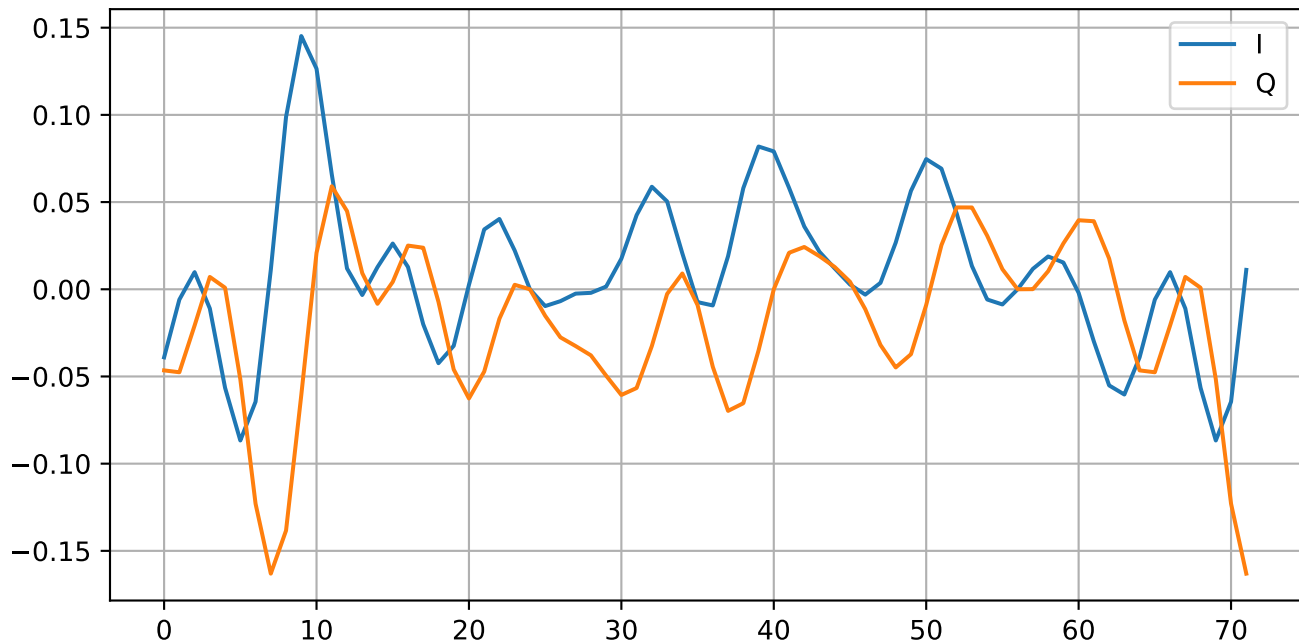
[MSG 0] Phase Distribution



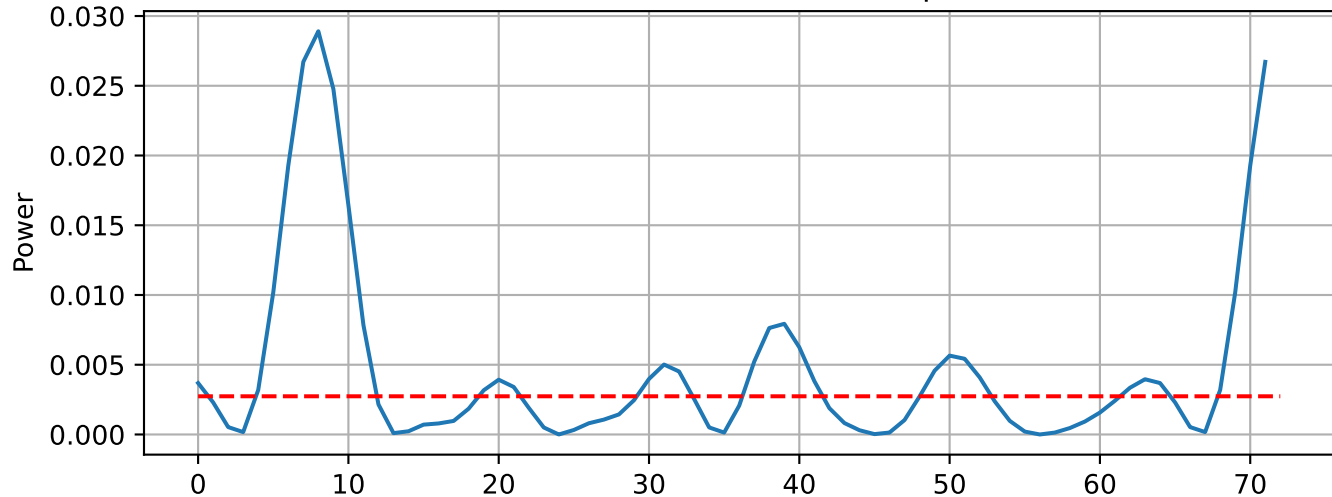
[MSG 1] R1 Constellation



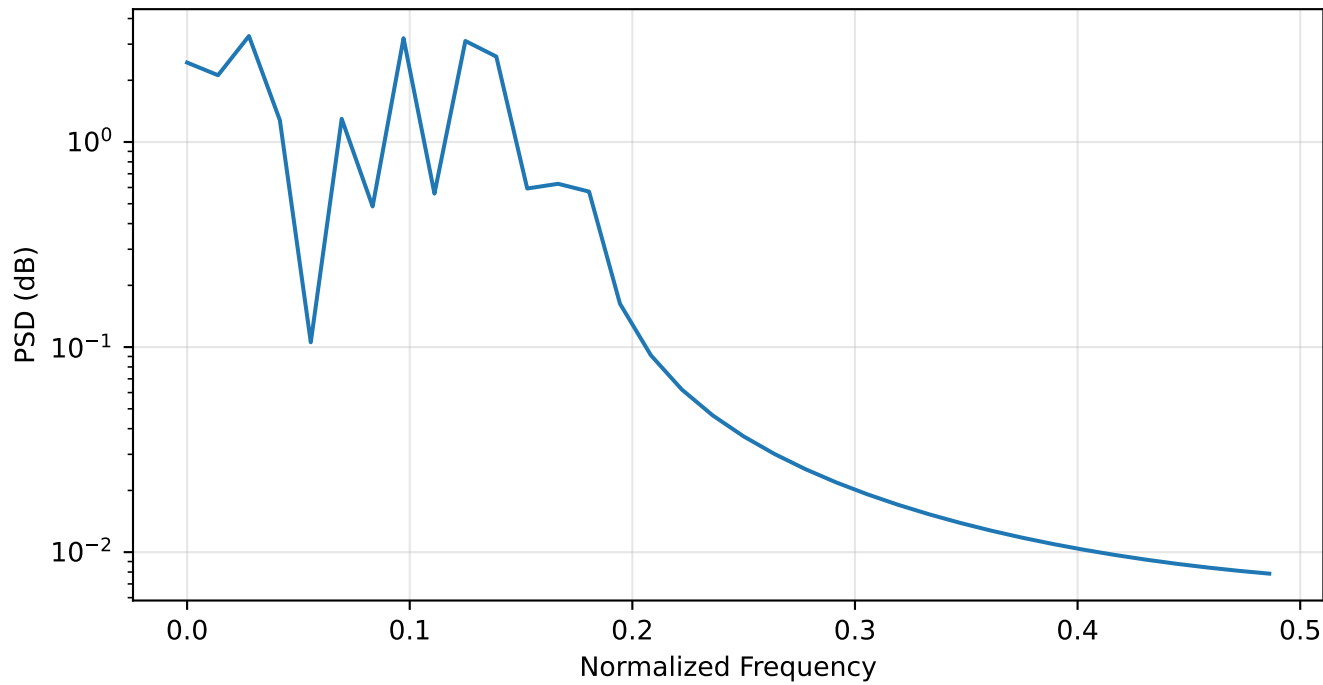
[MSG 1] R1 OFDM Time Domain



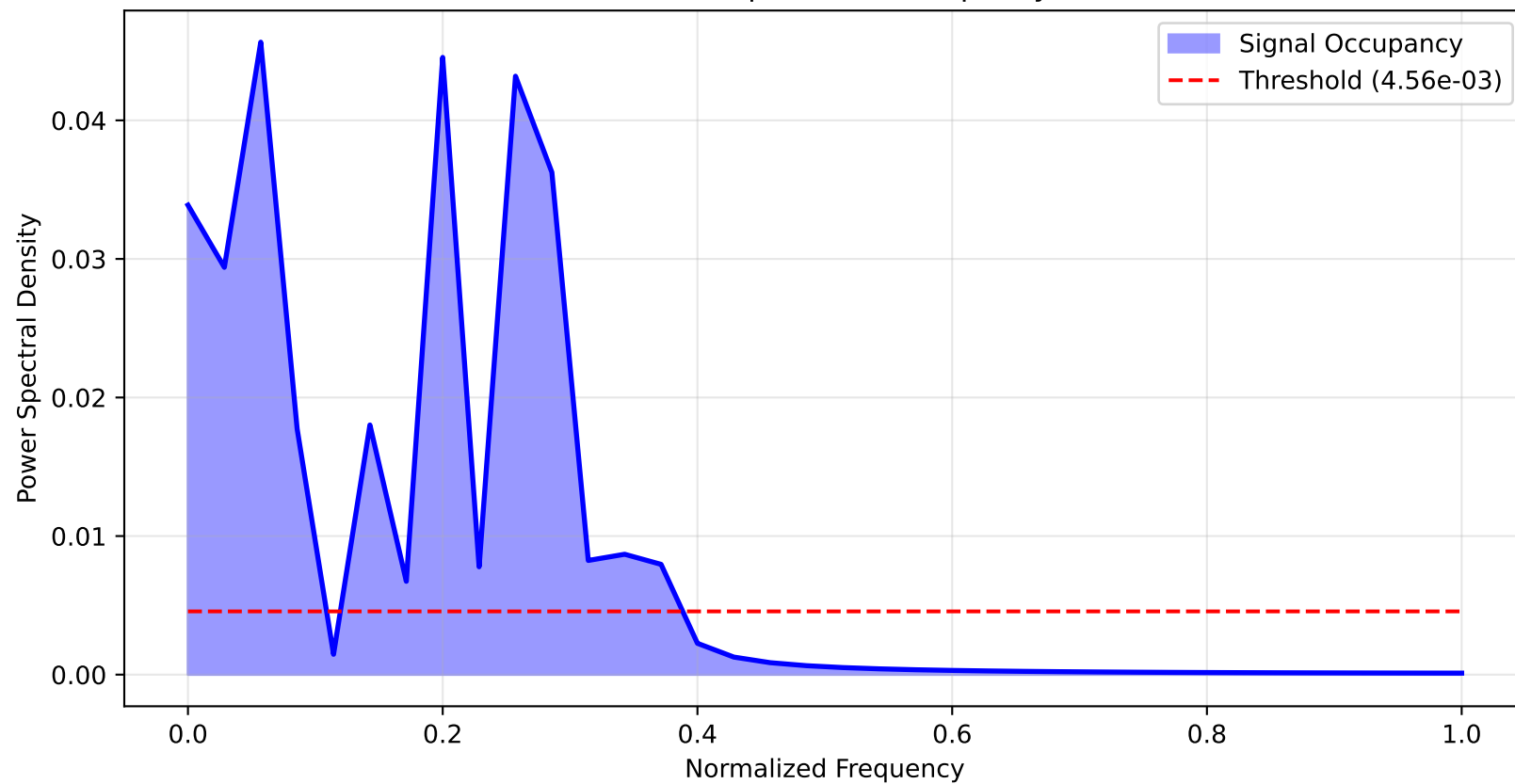
[MSG 1] R1 Power Envelope



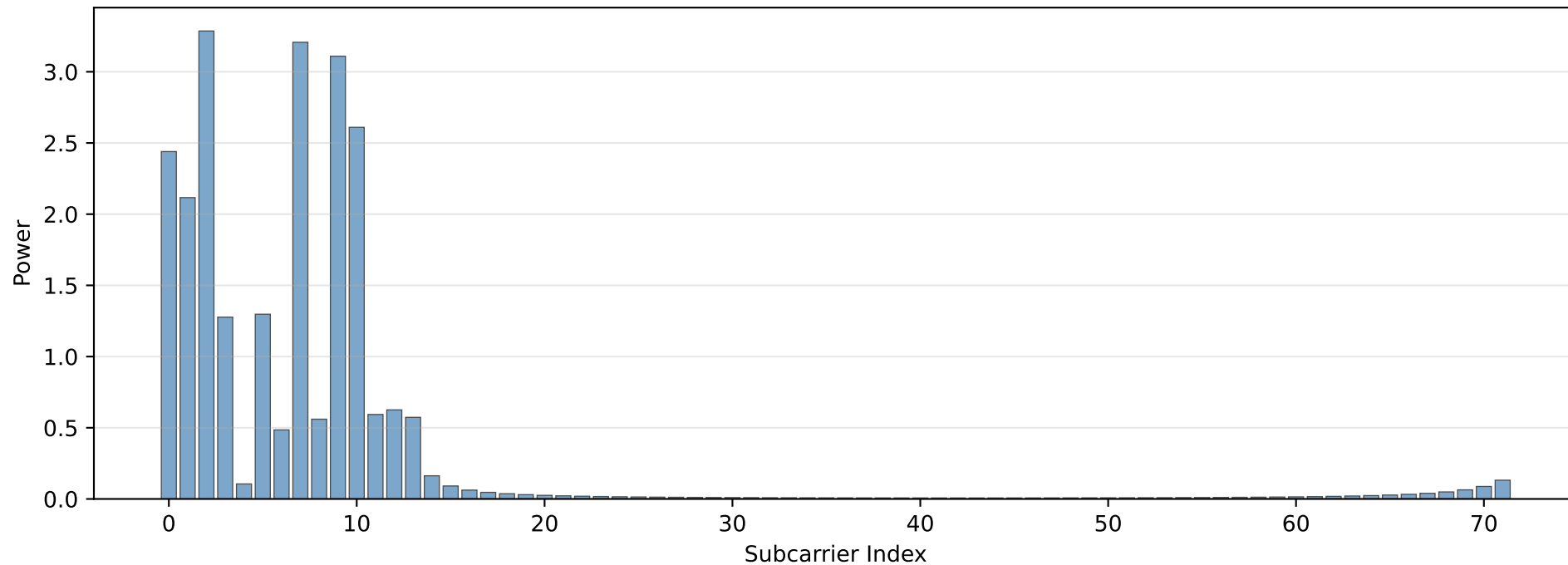
[MSG 1] R1 Power Spectral Density



[MSG 1] Spectrum Occupancy



[MSG 1] Subcarrier Power Distribution



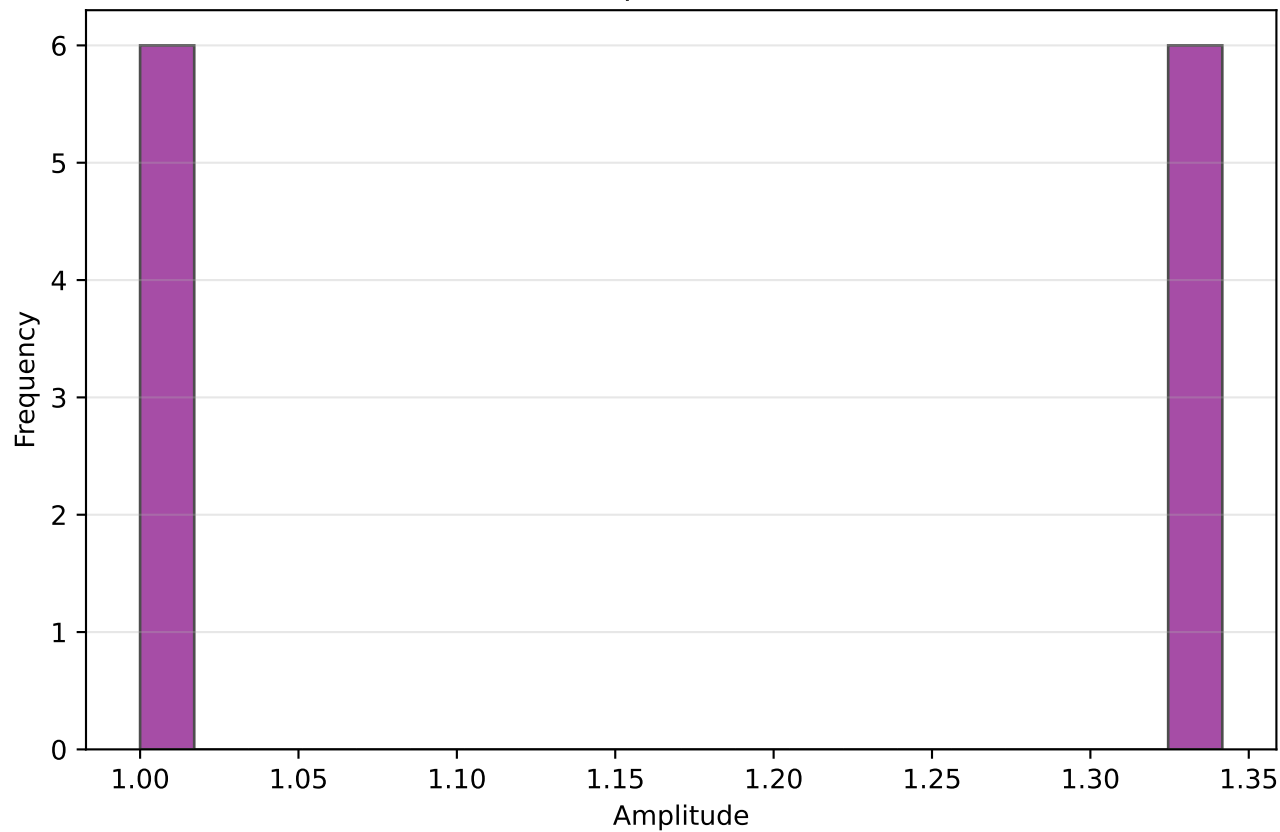
[MSG 1] Channel Capacity Analysis

SNR: 20.00 dB
Modulation: QAM-16
Bandwidth: 20.0 MHz
Signal Power: 4.56e-03 W
Noise Power: 4.56e-05 W
Shannon Capacity: 133.16 Mbps

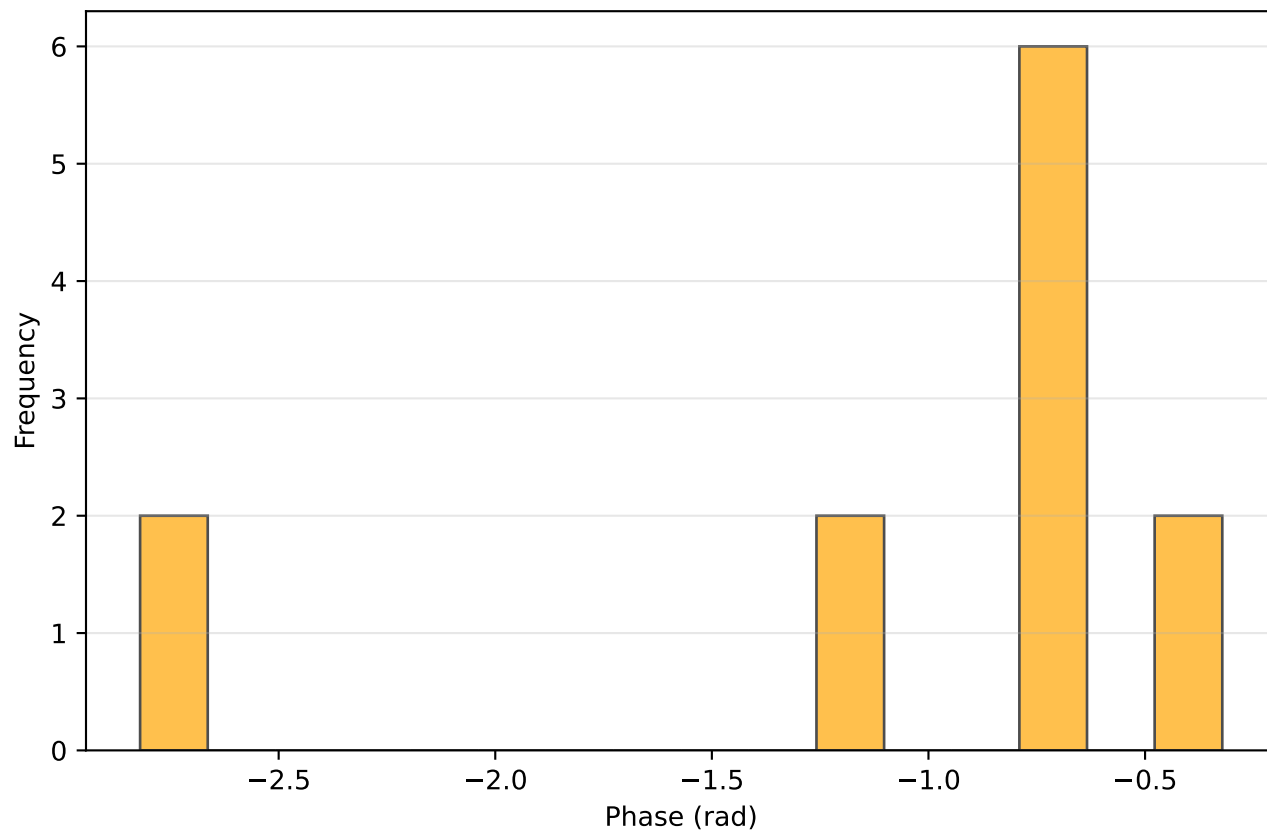
[MSG 1] R1 SNR Analysis

Est. SNR: 20.00 dB
Modulation: QAM-16
Signal Power: 4.56e-03

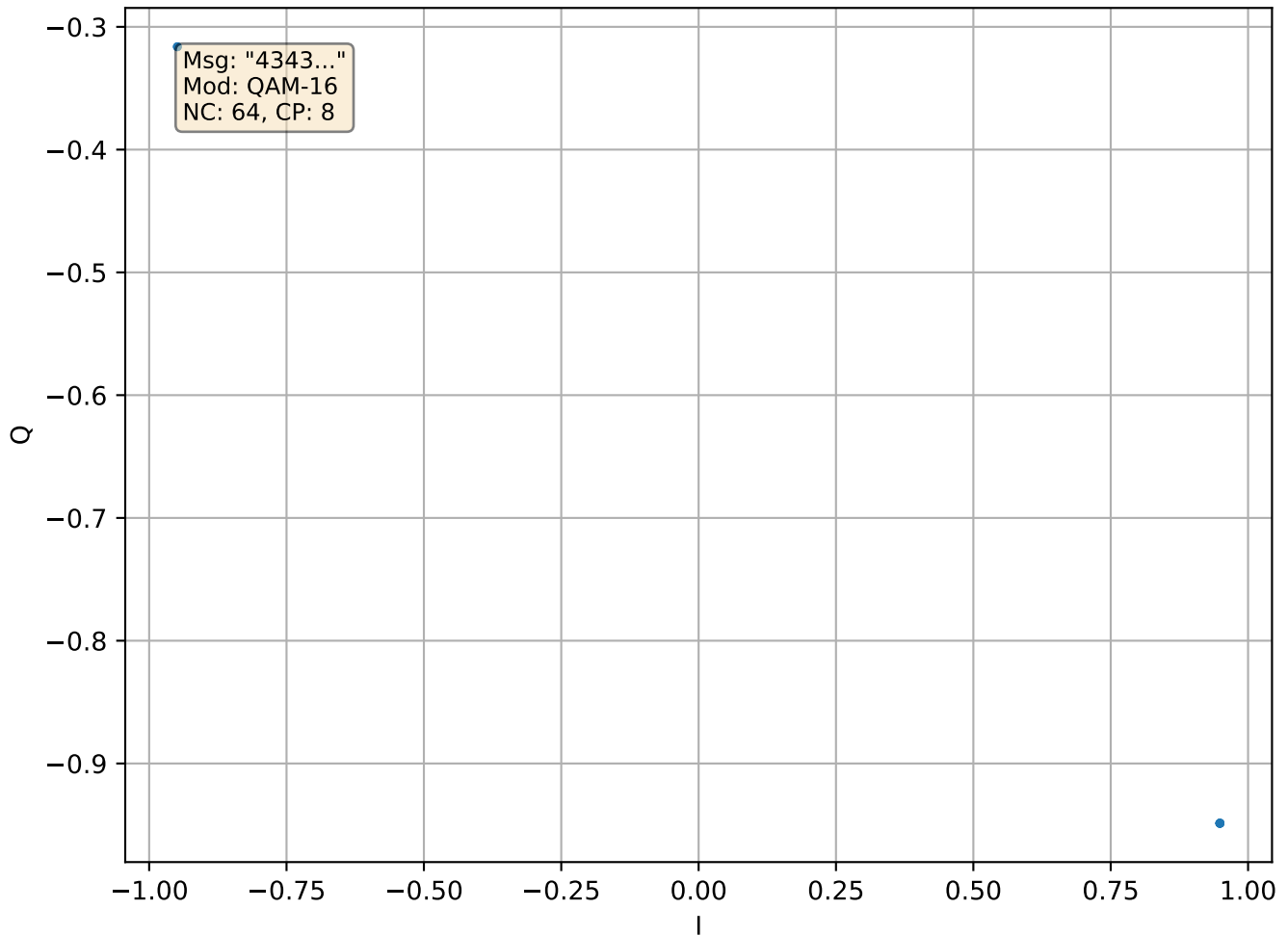
[MSG 1] Amplitude Distribution



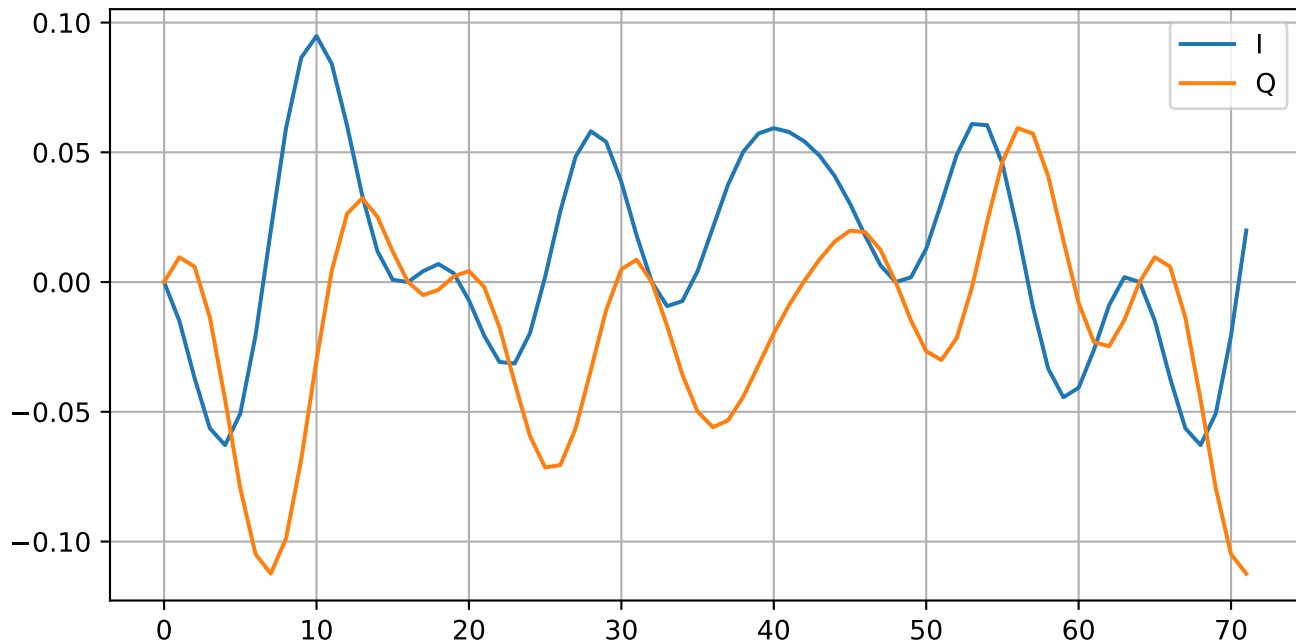
[MSG 1] Phase Distribution



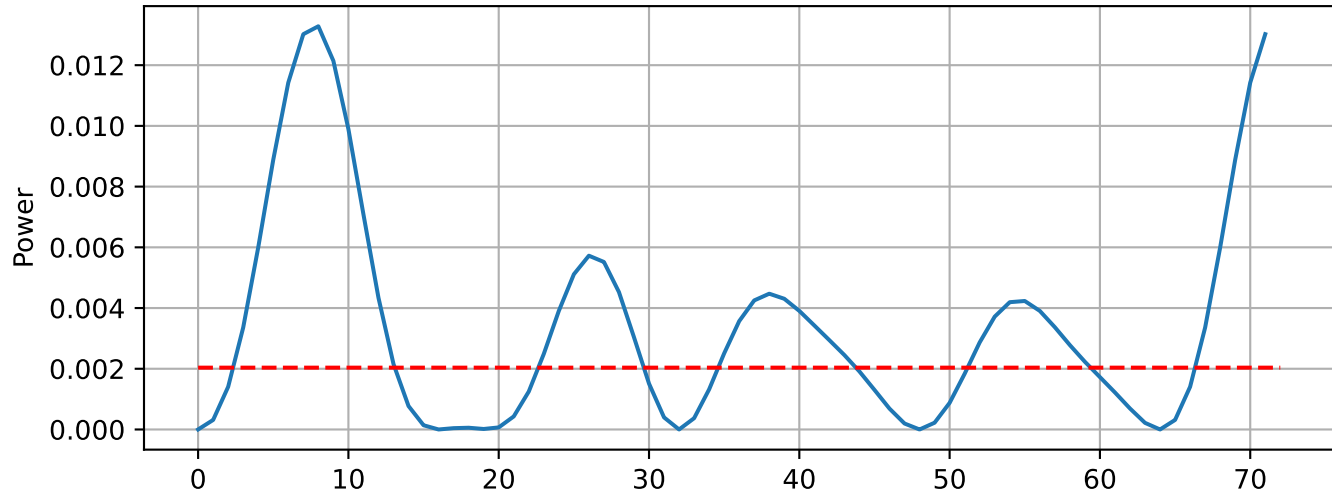
[MSG 2] R1 Constellation



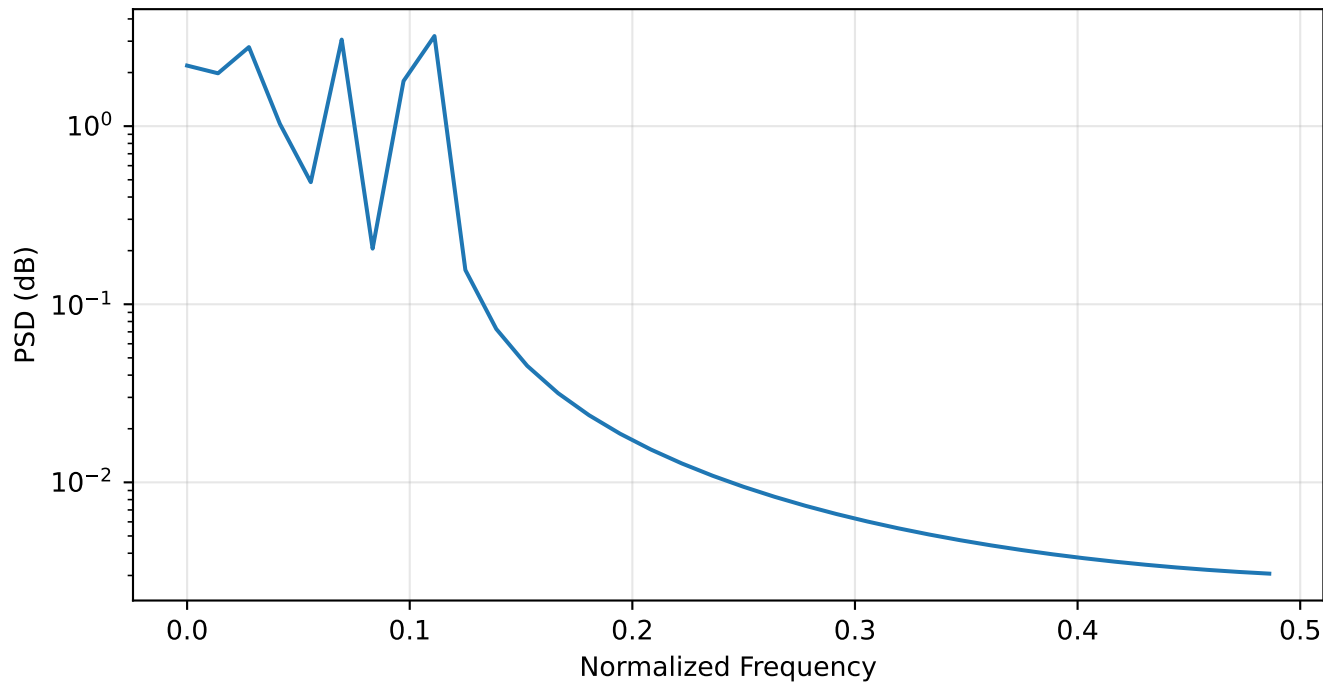
[MSG 2] R1 OFDM Time Domain



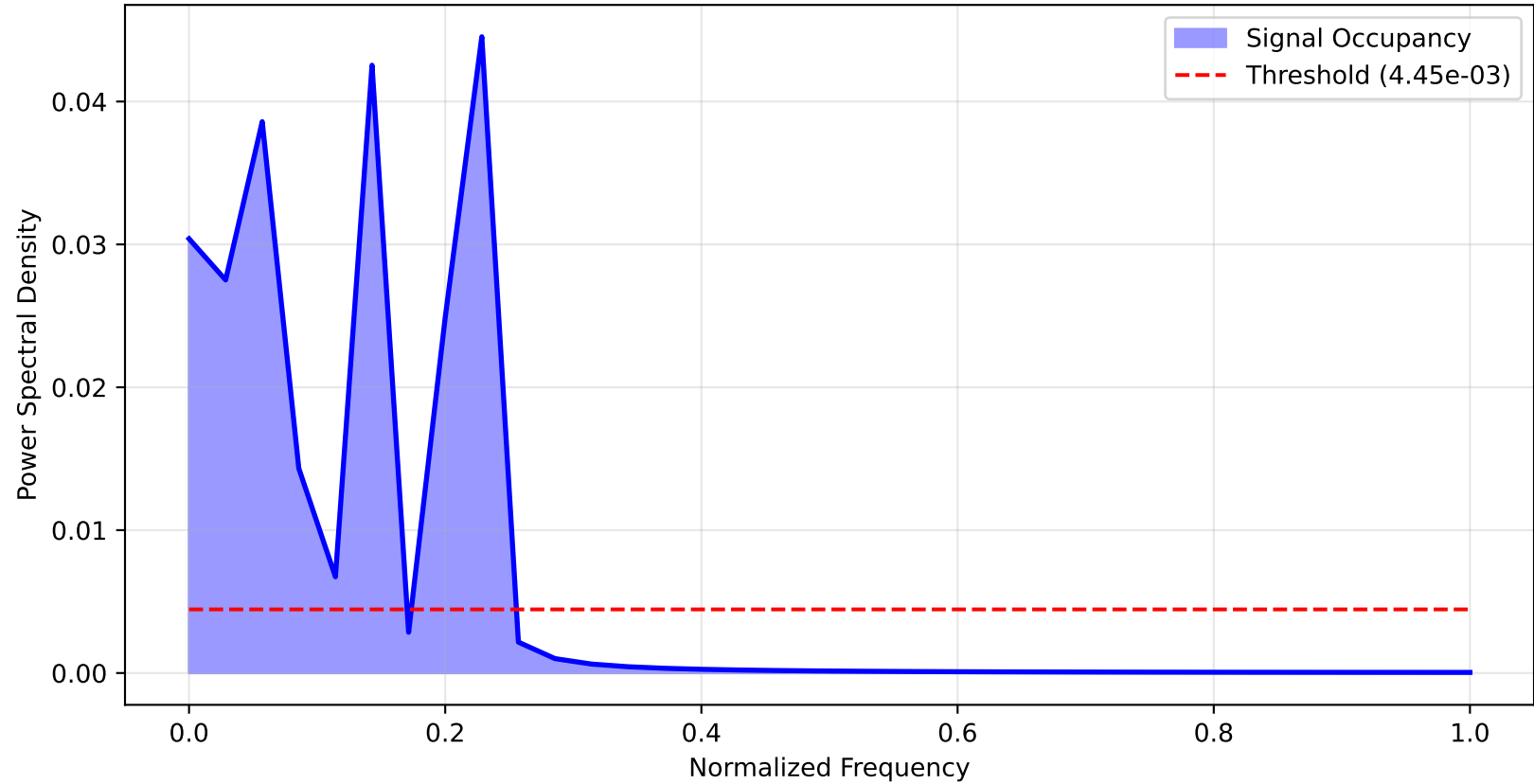
[MSG 2] R1 Power Envelope



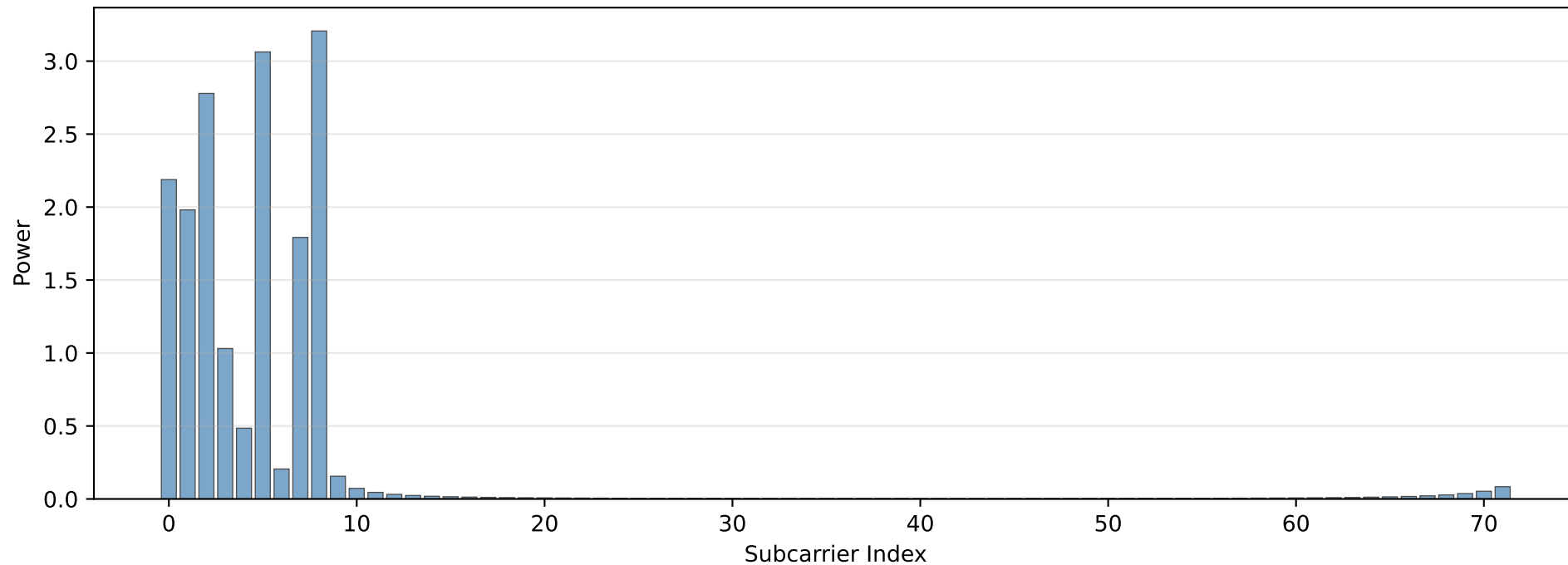
[MSG 2] R1 Power Spectral Density



[MSG 2] Spectrum Occupancy



[MSG 2] Subcarrier Power Distribution



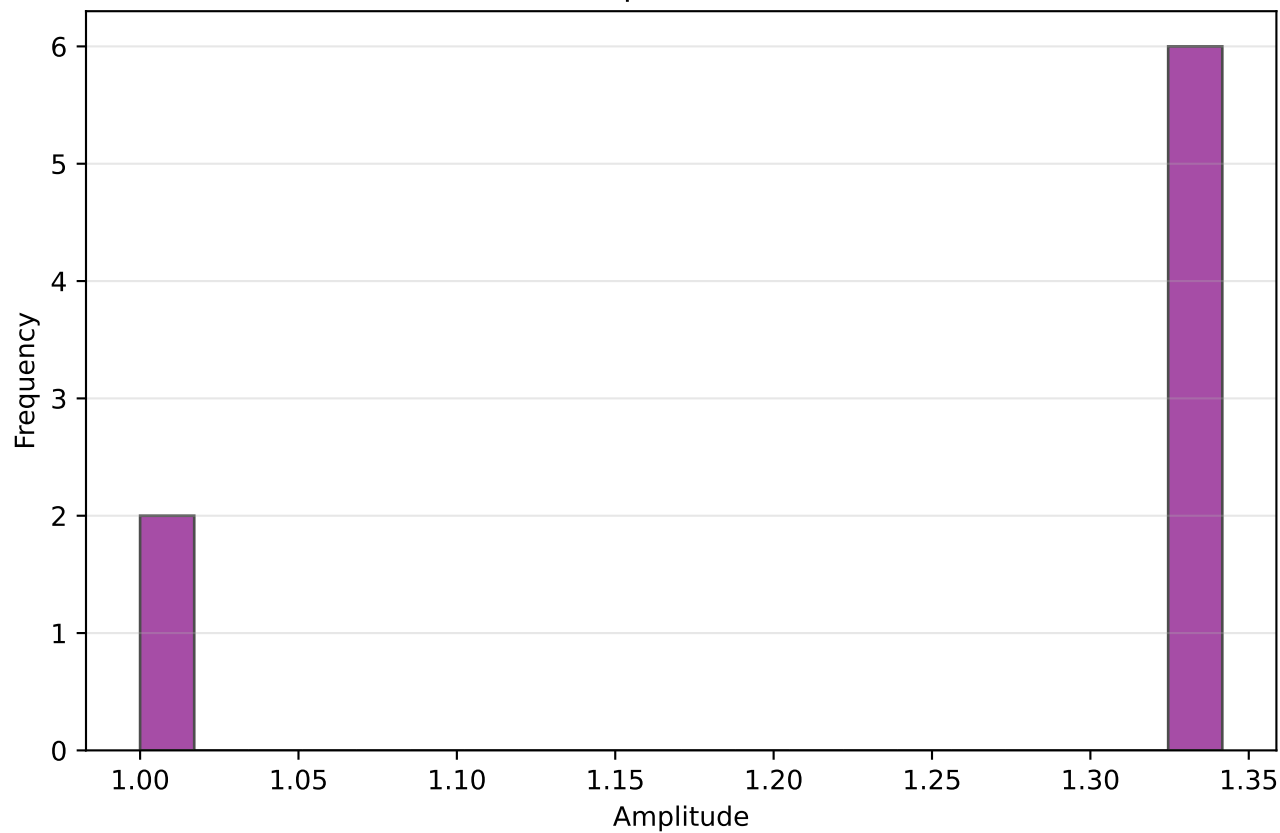
[MSG 2] Channel Capacity Analysis

SNR: 20.00 dB
Modulation: QAM-16
Bandwidth: 20.0 MHz
Signal Power: 3.39e-03 W
Noise Power: 3.39e-05 W
Shannon Capacity: 133.16 Mbps

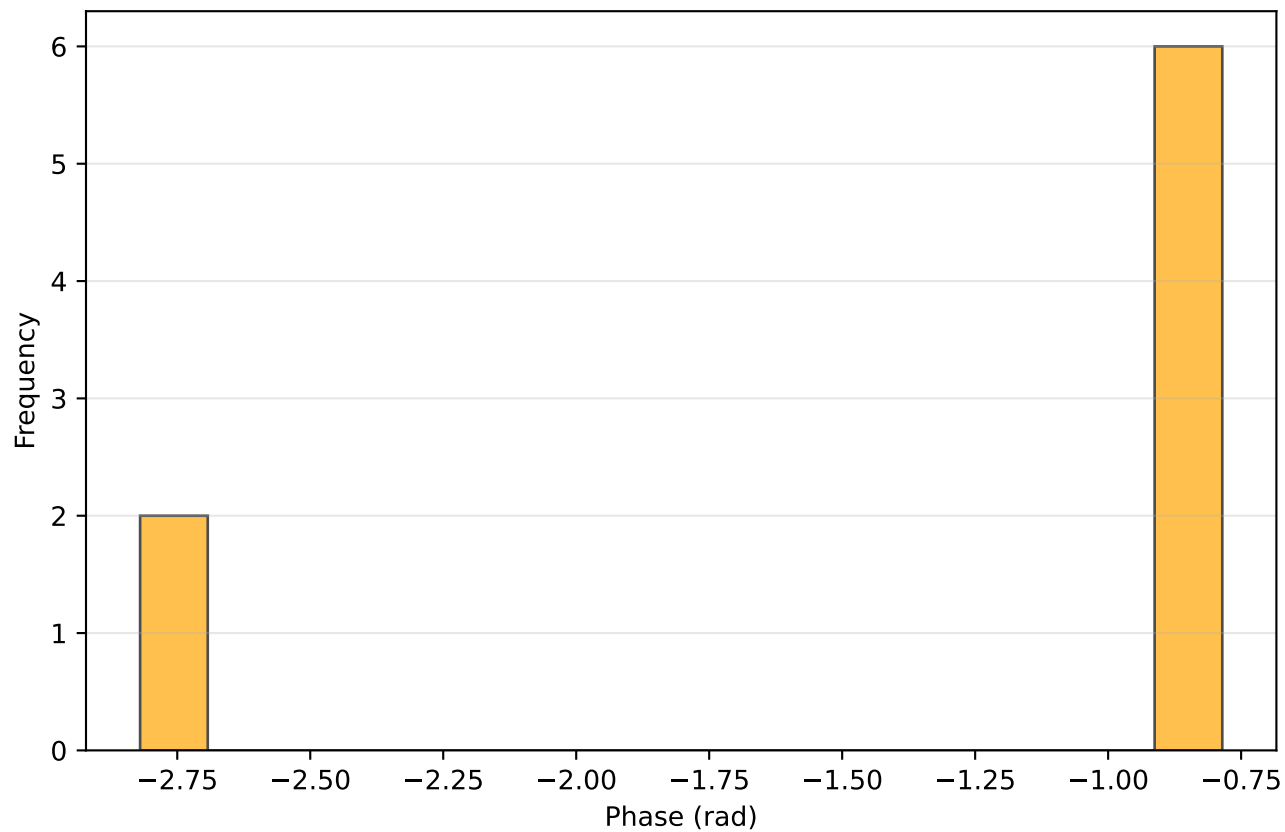
[MSG 2] R1 SNR Analysis

Est. SNR: 20.00 dB
Modulation: QAM-16
Signal Power: 3.39e-03

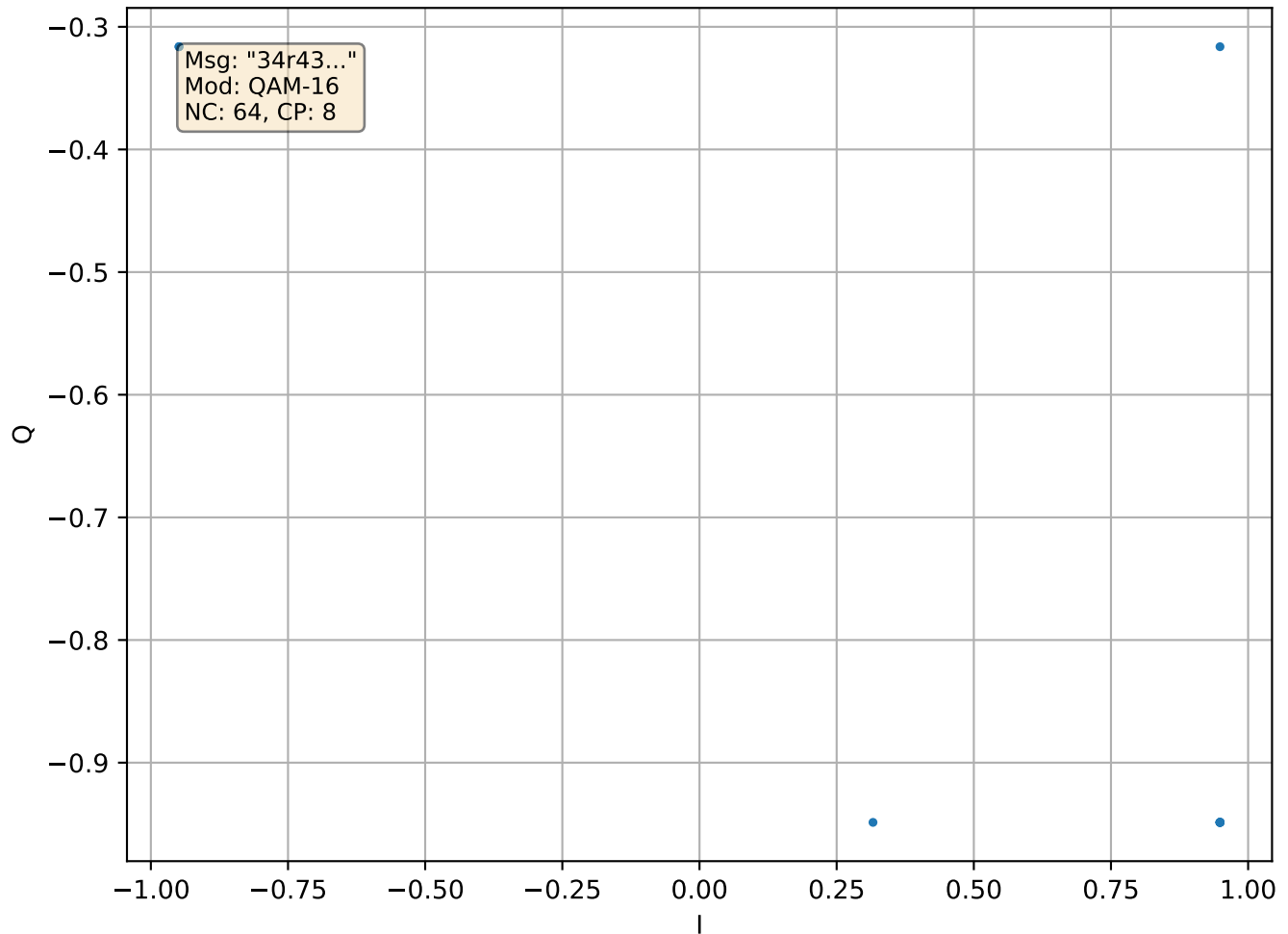
[MSG 2] Amplitude Distribution



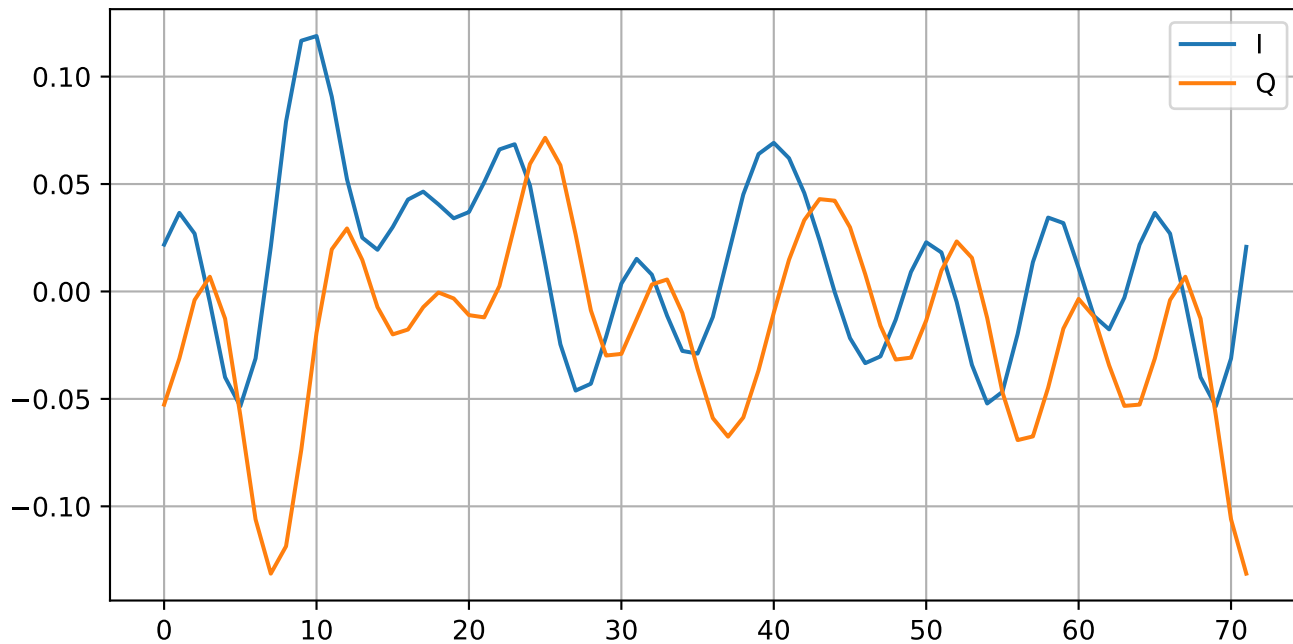
[MSG 2] Phase Distribution



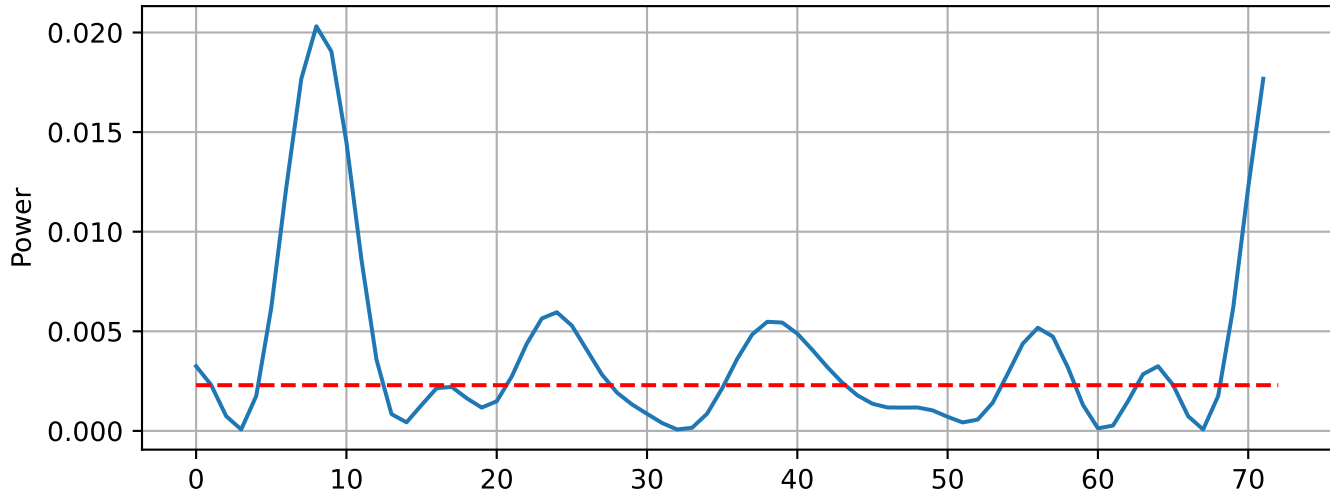
[MSG 3] R1 Constellation



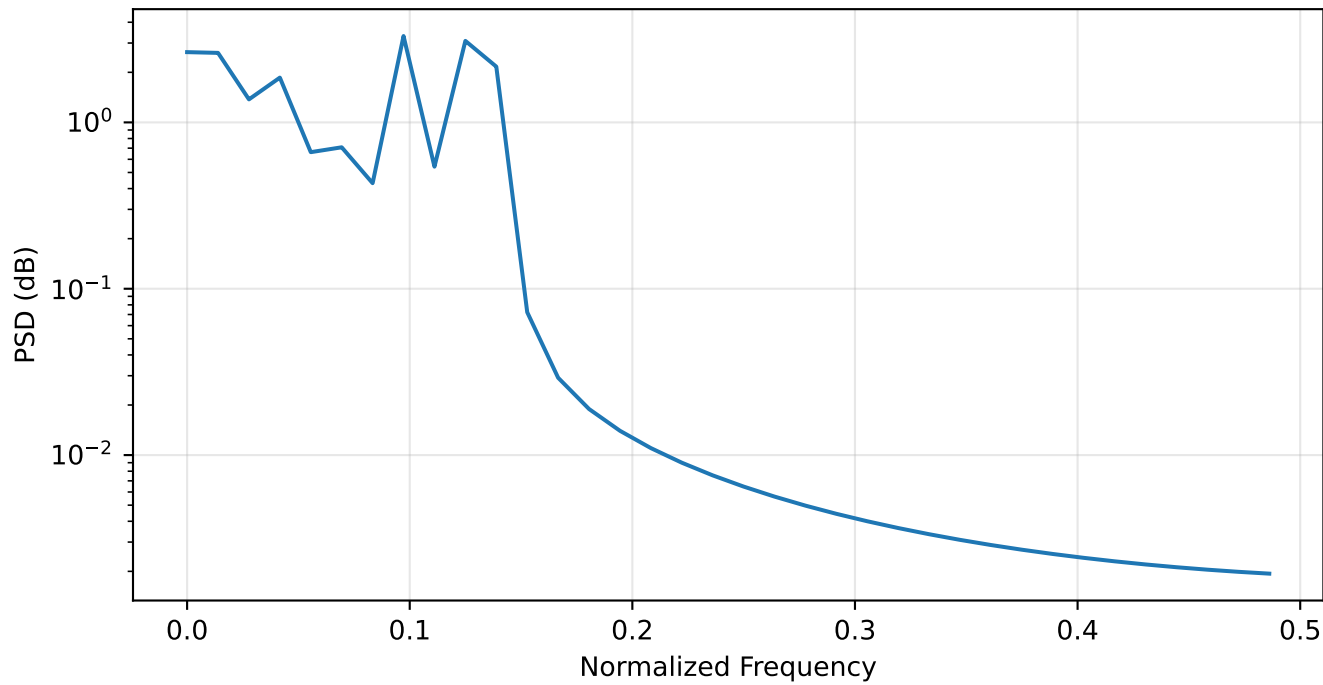
[MSG 3] R1 OFDM Time Domain



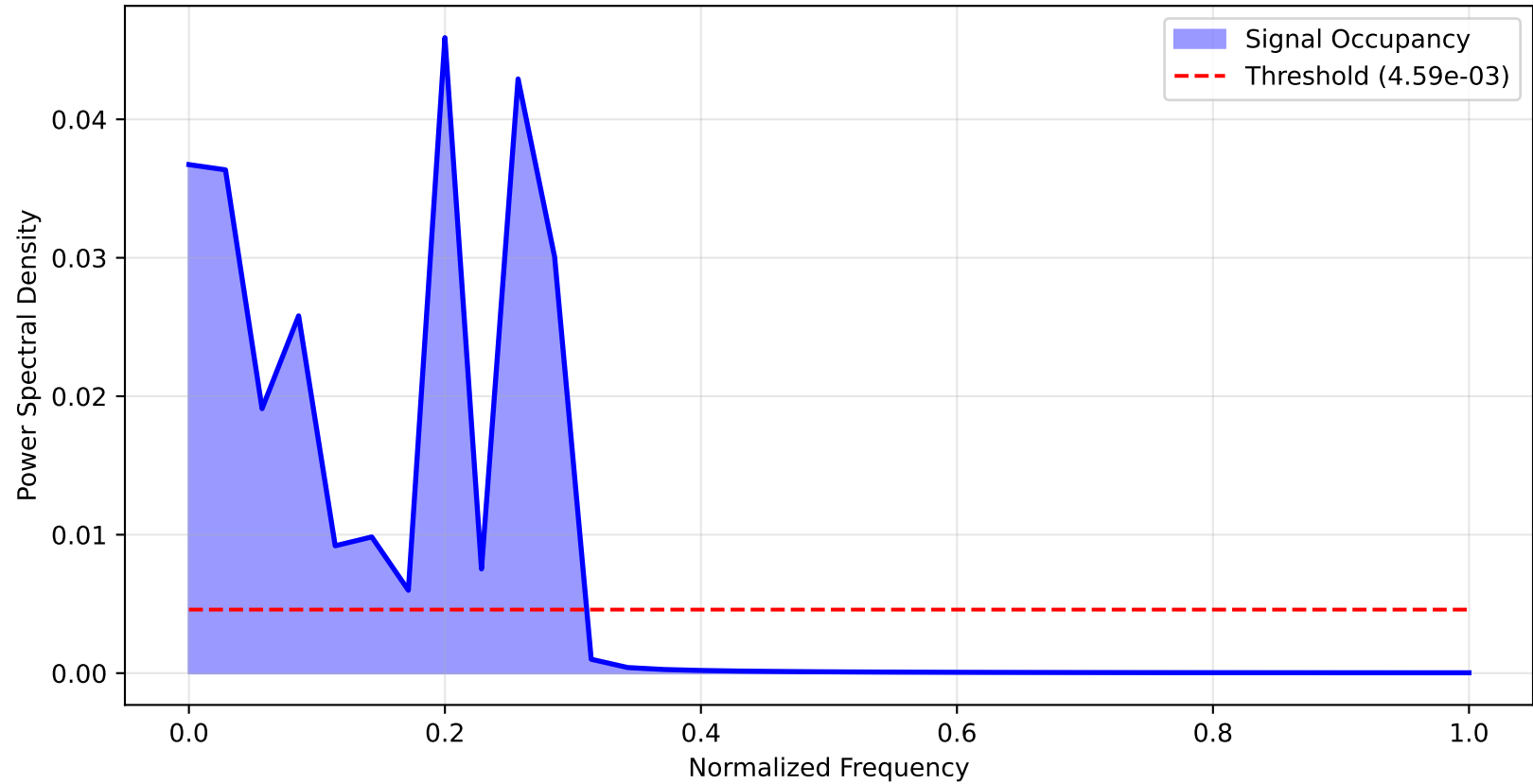
[MSG 3] R1 Power Envelope



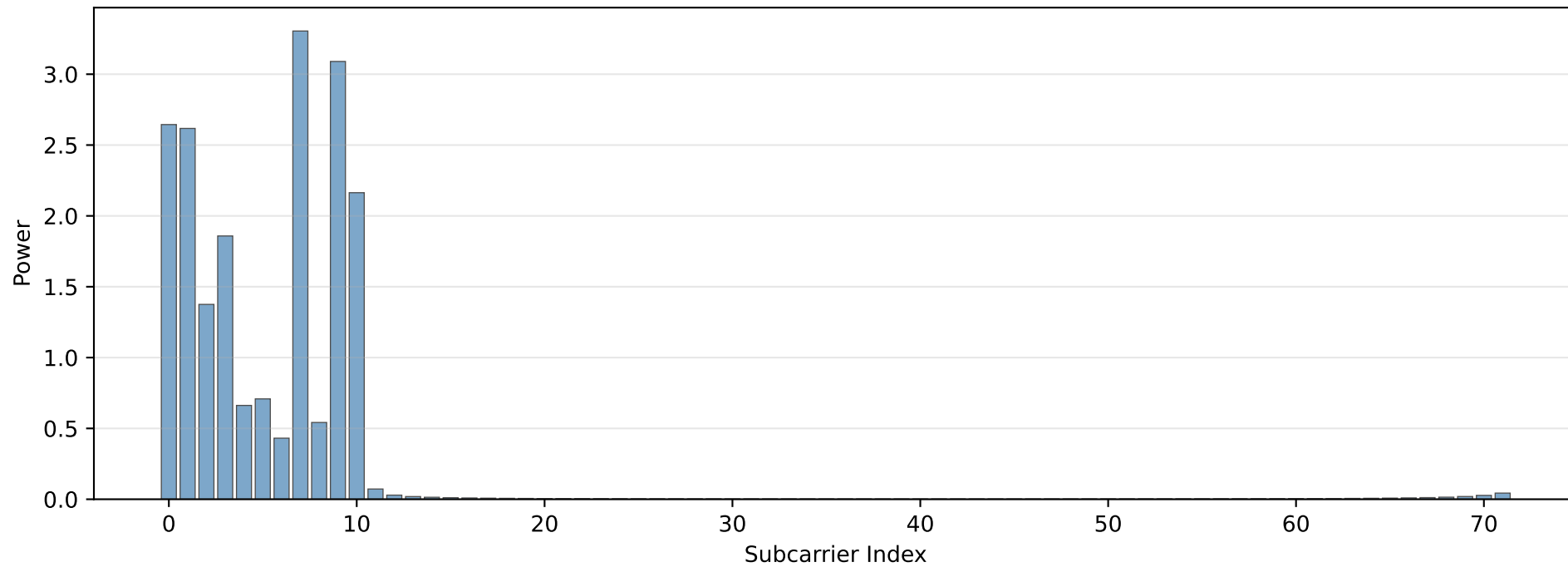
[MSG 3] R1 Power Spectral Density



[MSG 3] Spectrum Occupancy



[MSG 3] Subcarrier Power Distribution



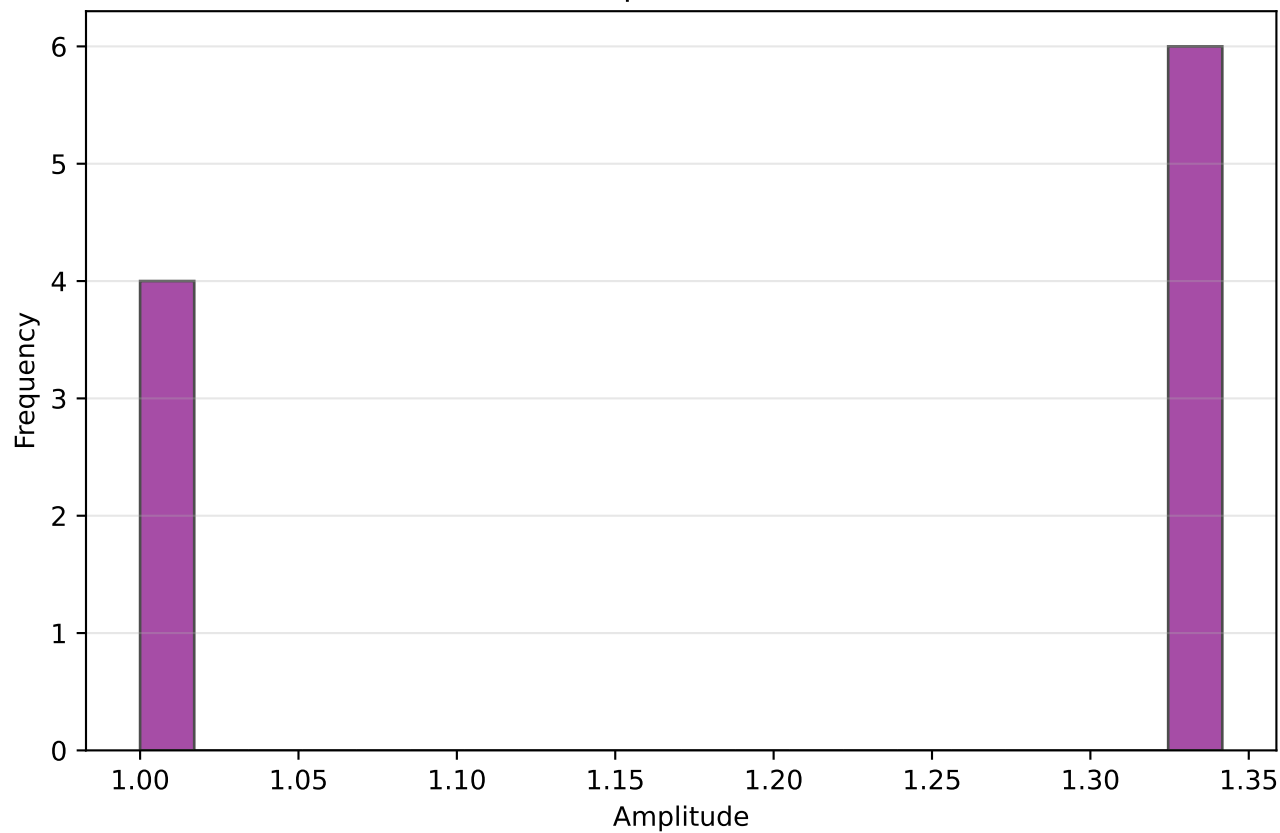
[MSG 3] Channel Capacity Analysis

SNR: 20.00 dB
Modulation: QAM-16
Bandwidth: 20.0 MHz
Signal Power: 3.83e-03 W
Noise Power: 3.83e-05 W
Shannon Capacity: 133.16 Mbps

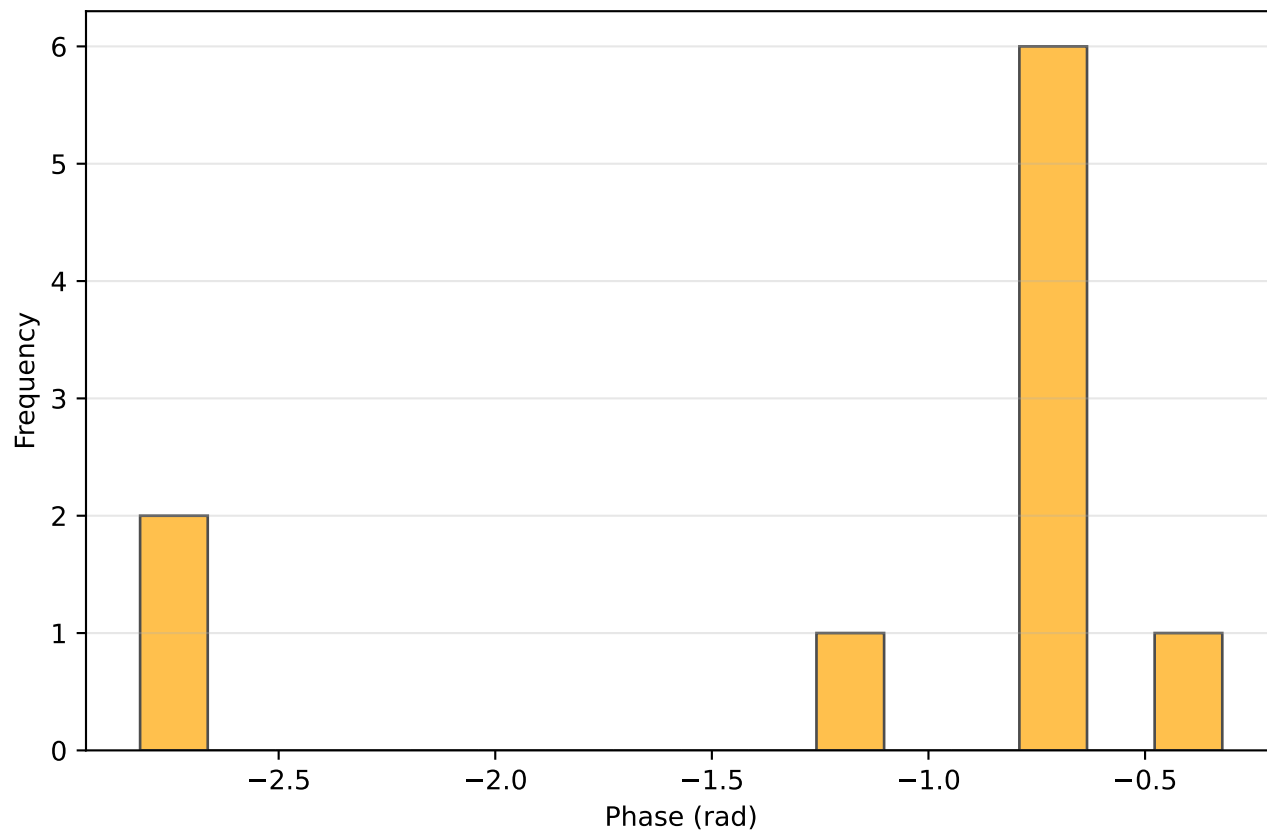
[MSG 3] R1 SNR Analysis

Est. SNR: 20.00 dB
Modulation: QAM-16
Signal Power: 3.83e-03

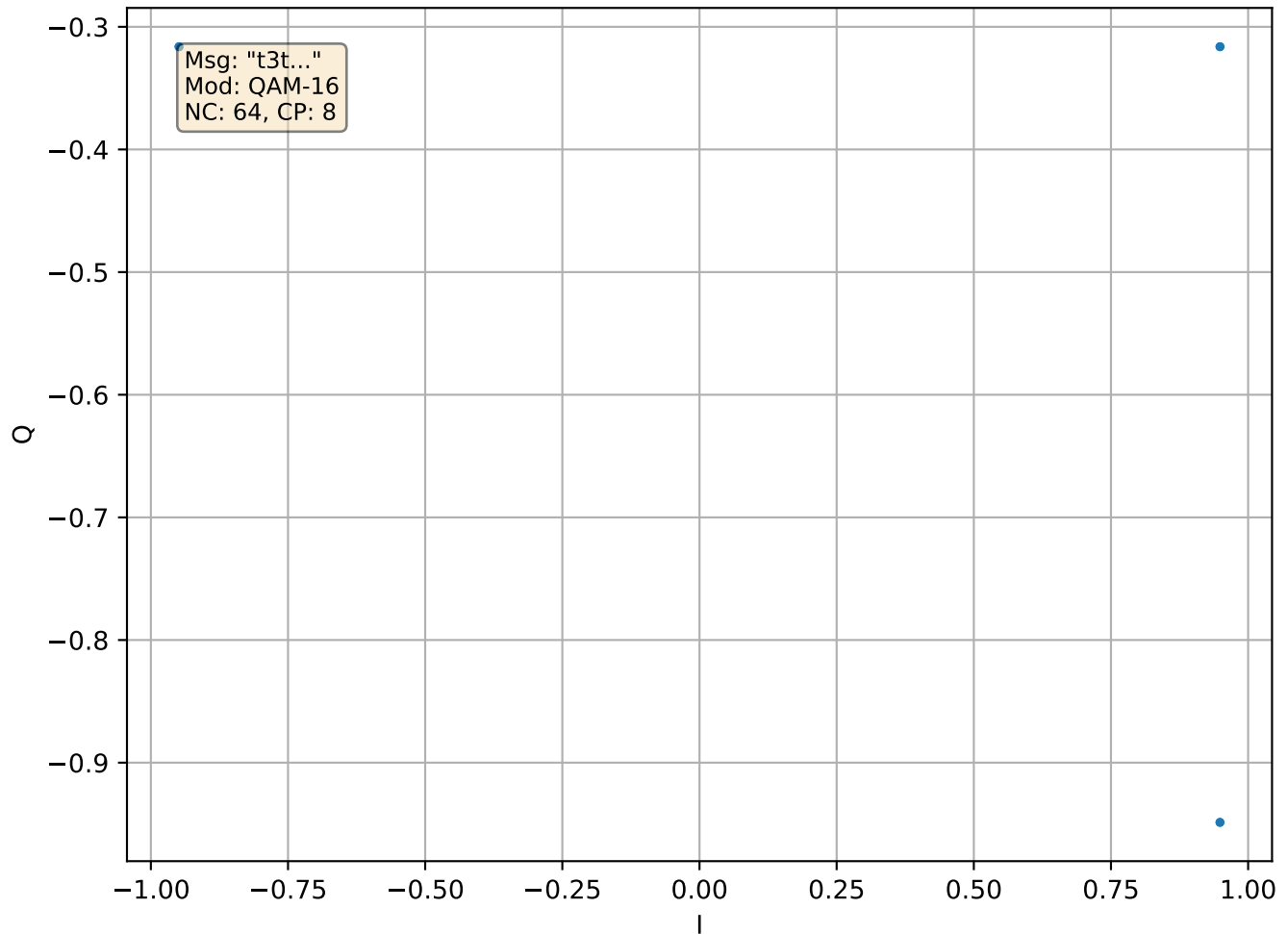
[MSG 3] Amplitude Distribution



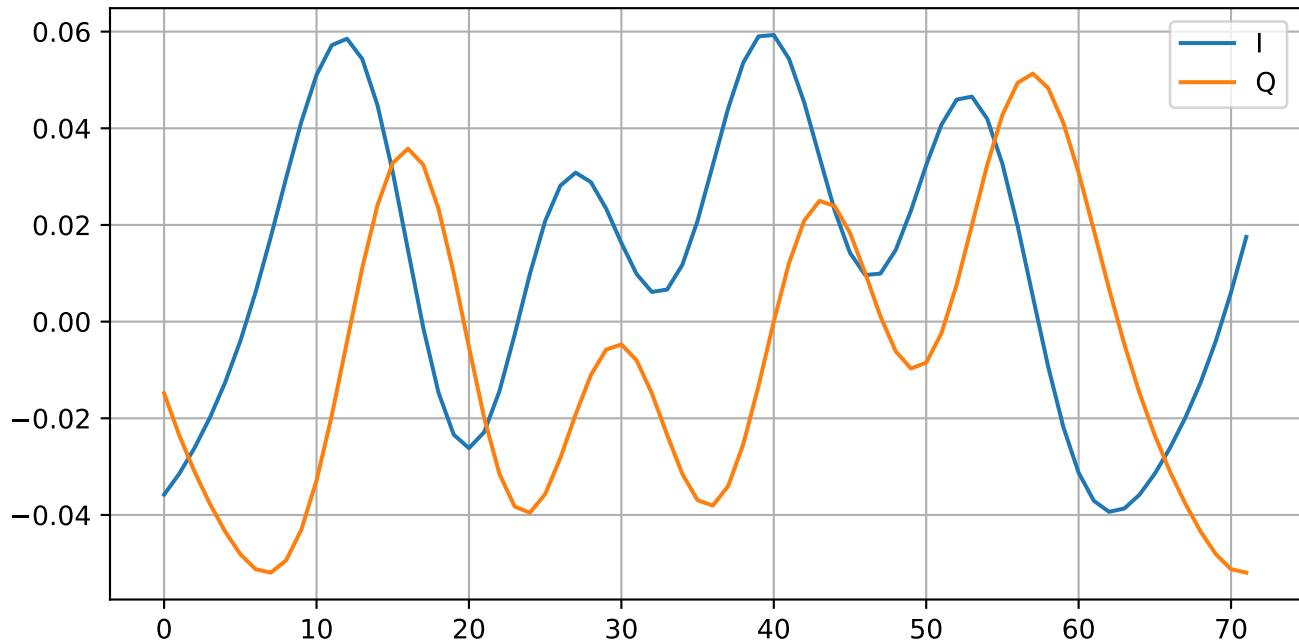
[MSG 3] Phase Distribution



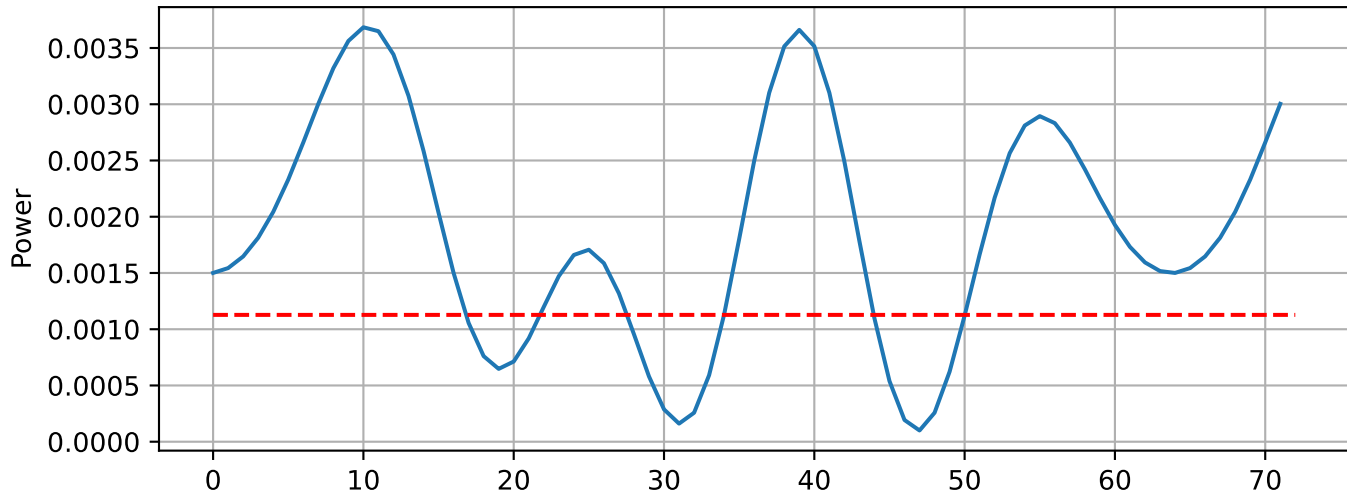
[MSG 4] R1 Constellation



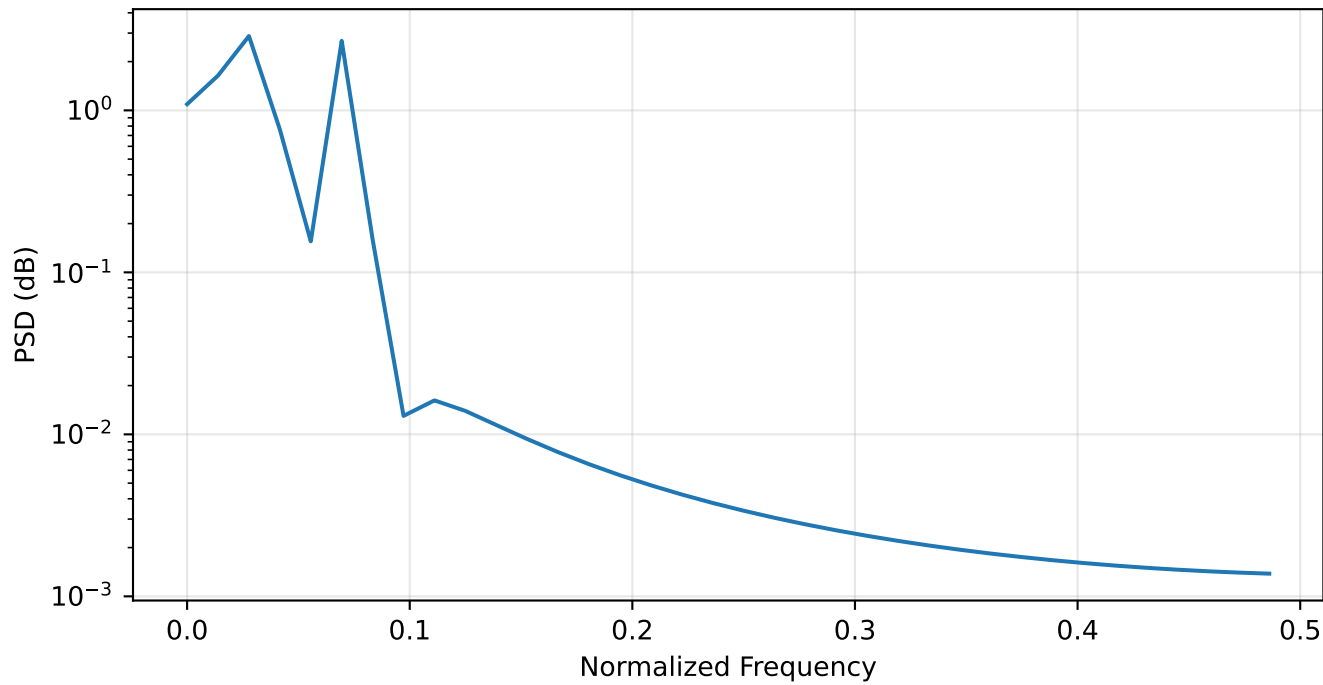
[MSG 4] R1 OFDM Time Domain



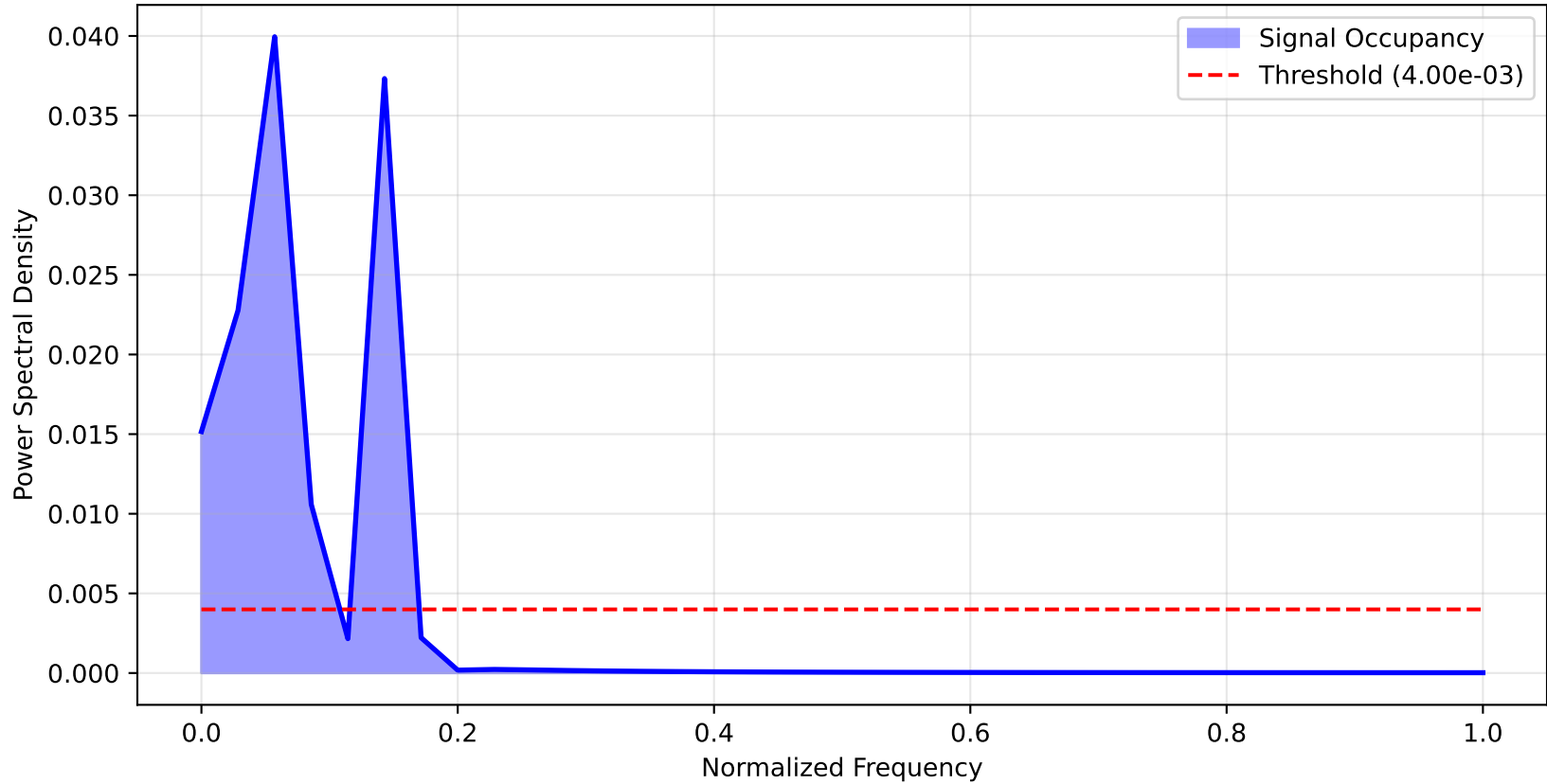
[MSG 4] R1 Power Envelope



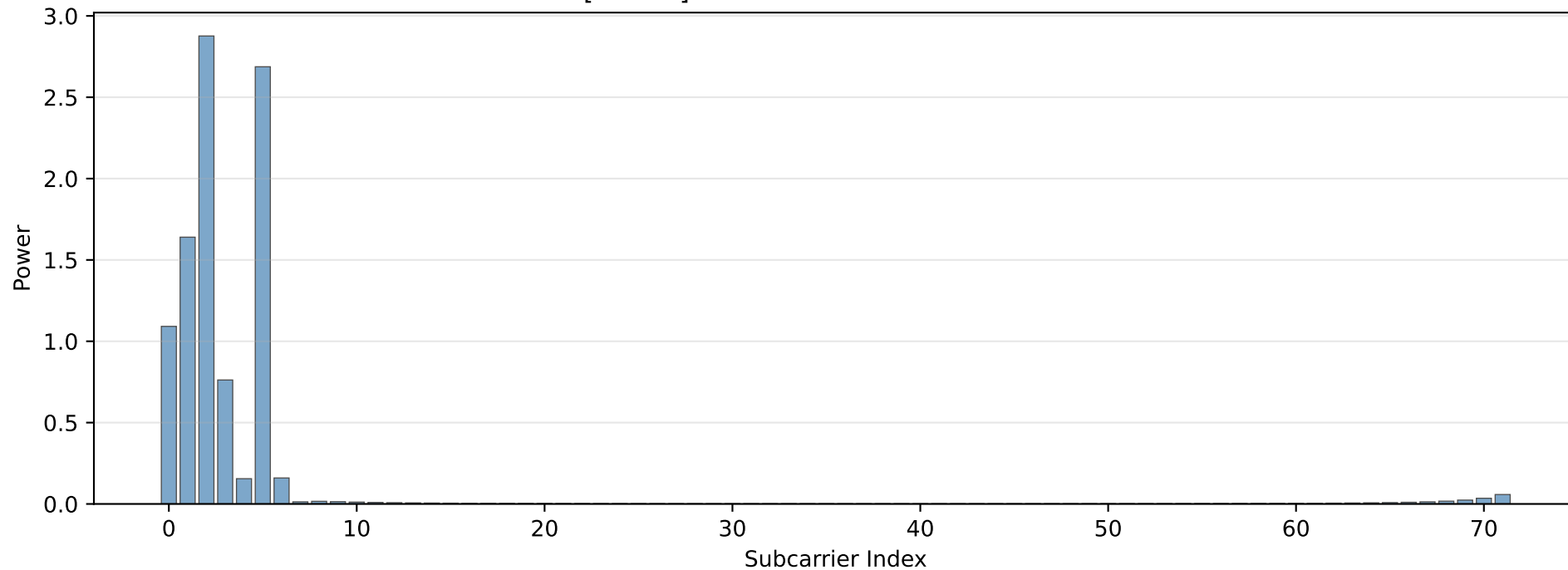
[MSG 4] R1 Power Spectral Density



[MSG 4] Spectrum Occupancy



[MSG 4] Subcarrier Power Distribution



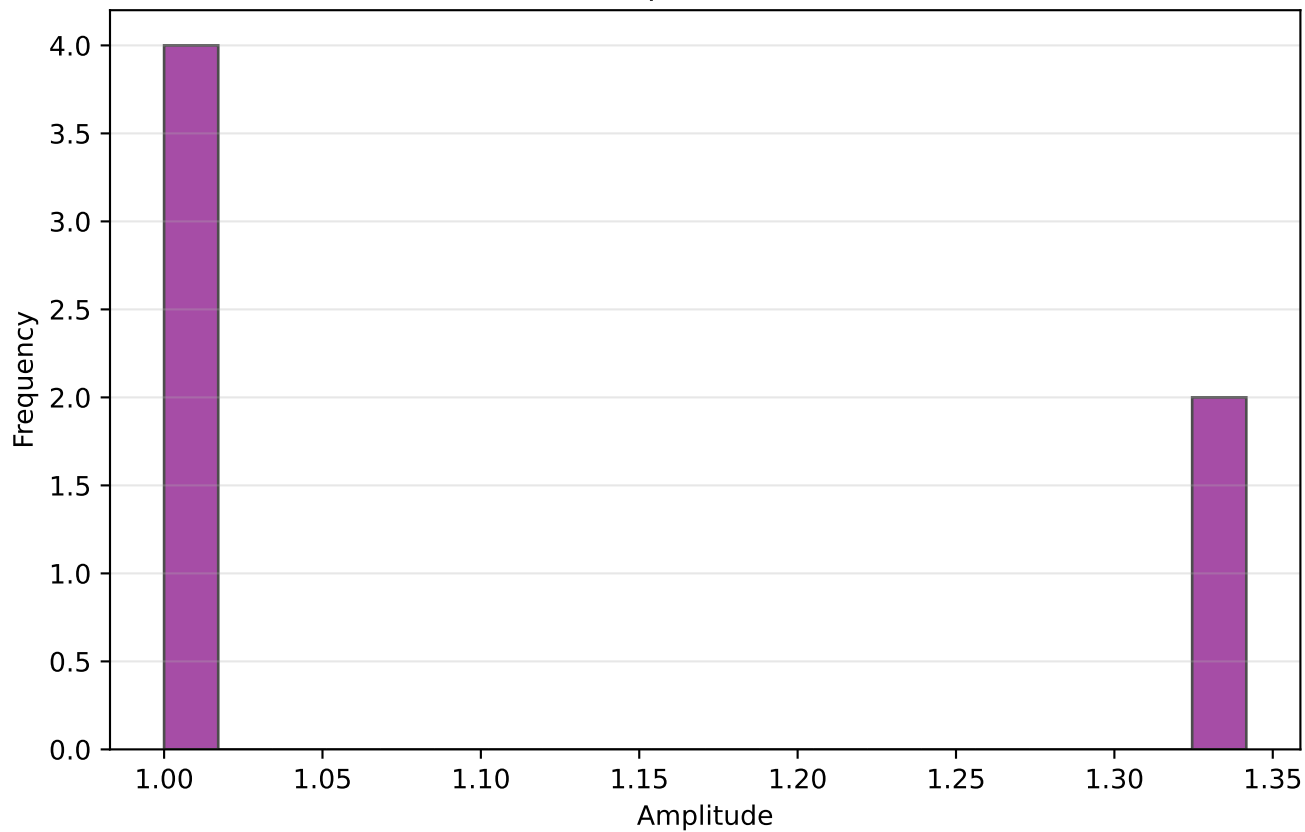
[MSG 4] Channel Capacity Analysis

SNR: 20.00 dB
Modulation: QAM-16
Bandwidth: 20.0 MHz
Signal Power: 1.88e-03 W
Noise Power: 1.88e-05 W
Shannon Capacity: 133.16 Mbps

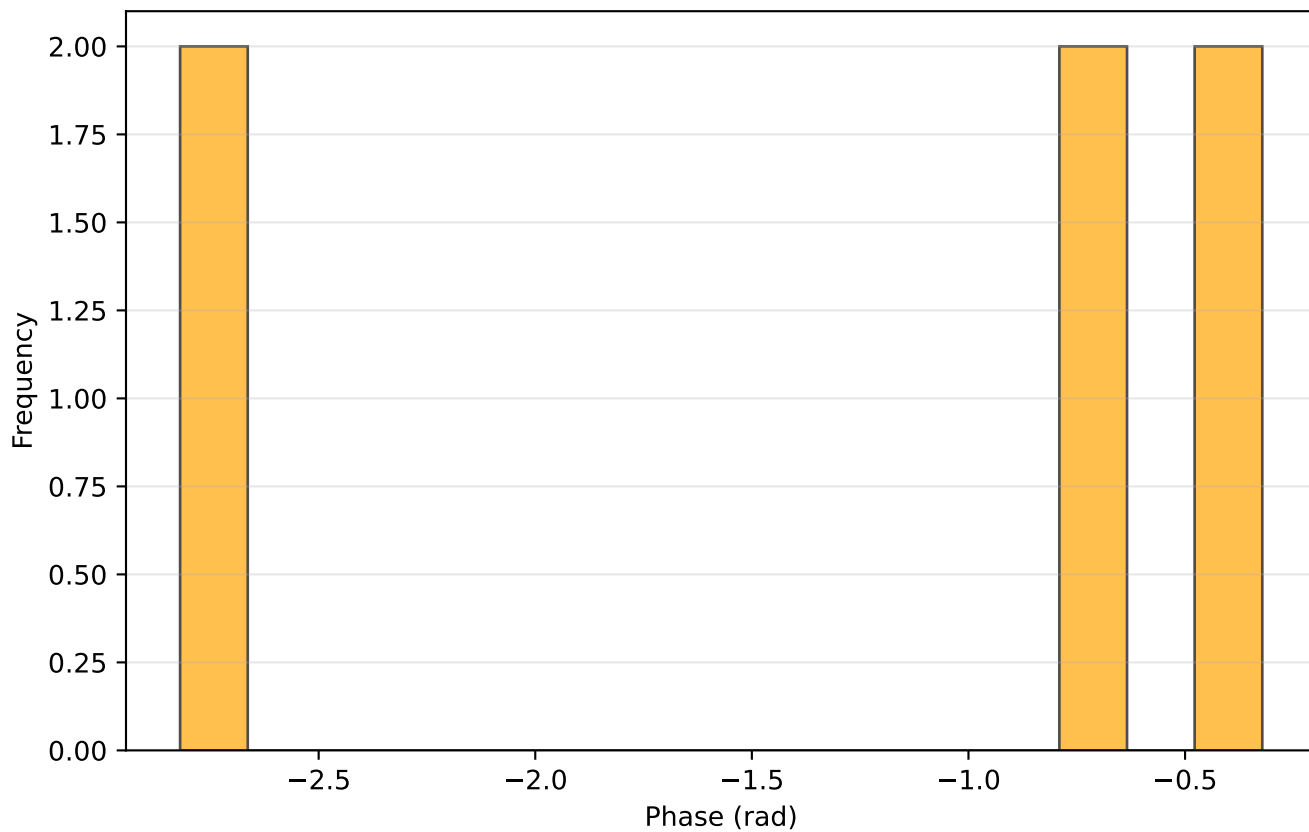
[MSG 4] R1 SNR Analysis

Est. SNR: 20.00 dB
Modulation: QAM-16
Signal Power: 1.88e-03

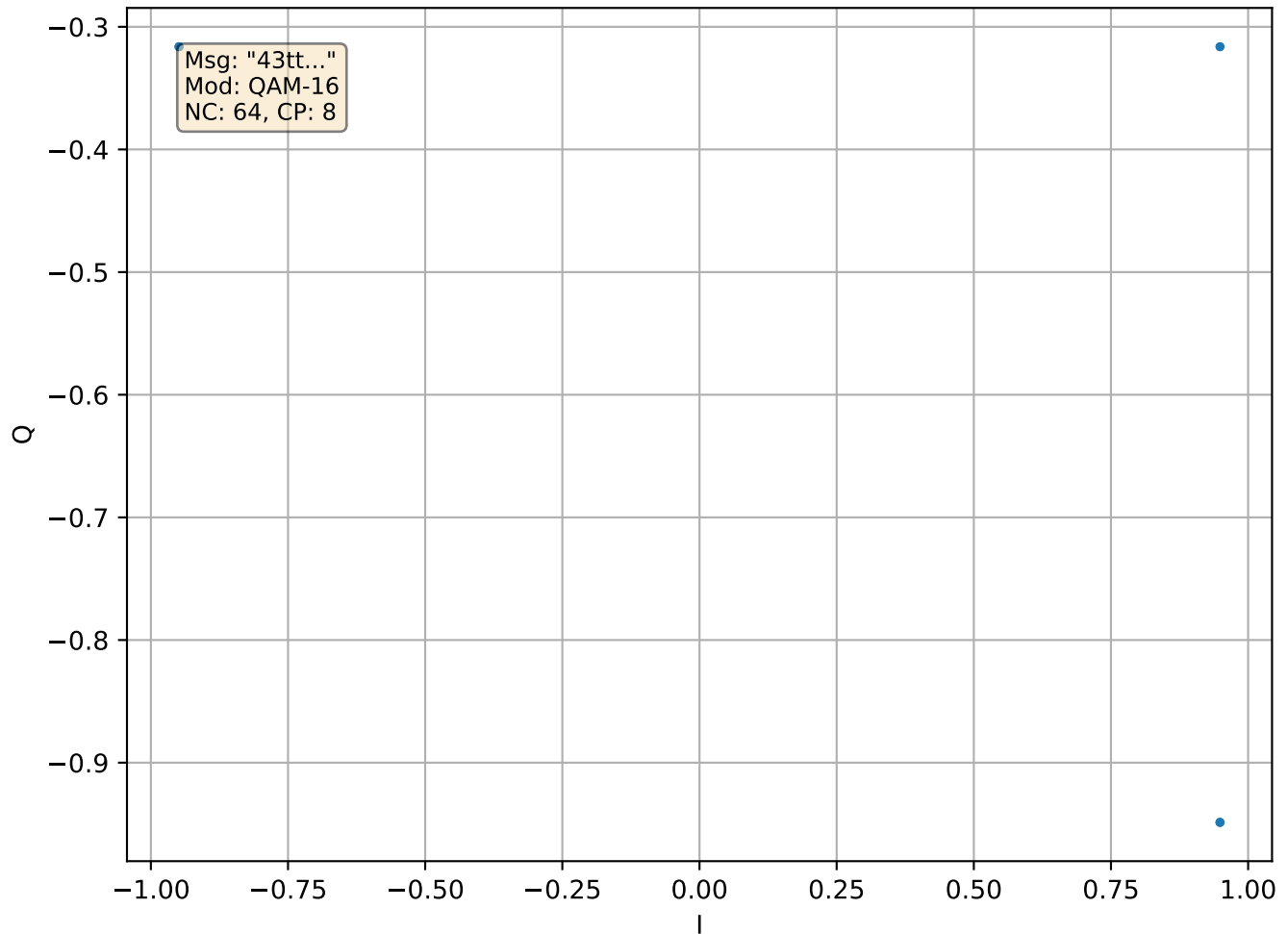
[MSG 4] Amplitude Distribution



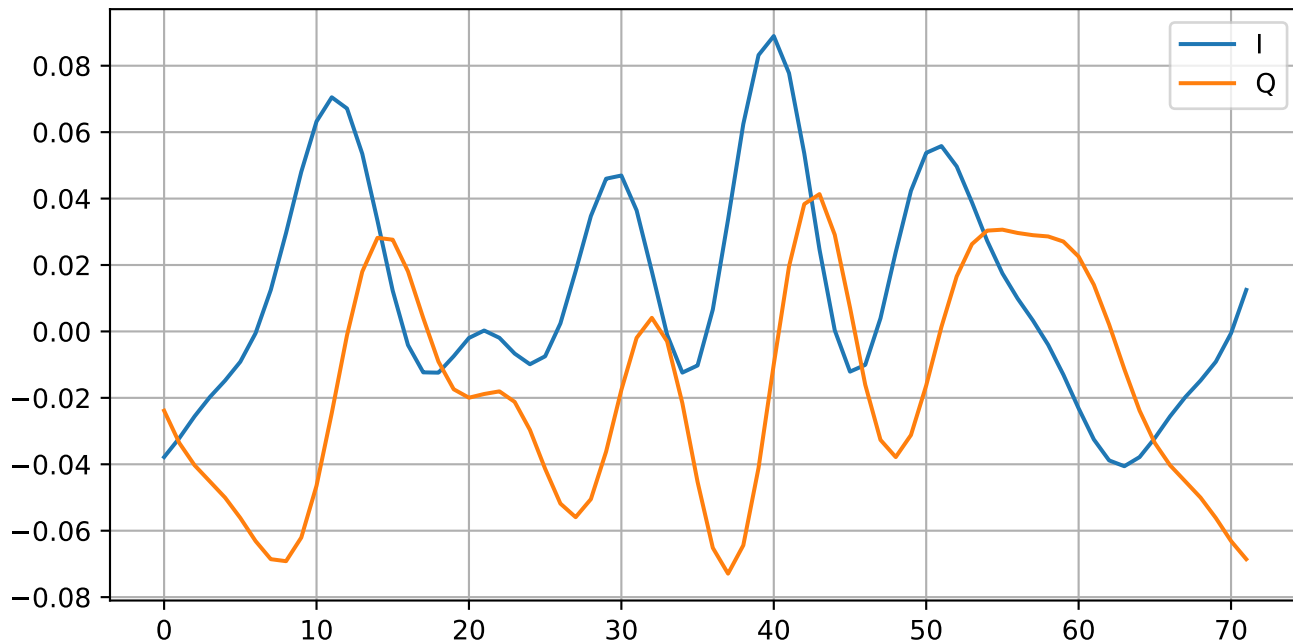
[MSG 4] Phase Distribution



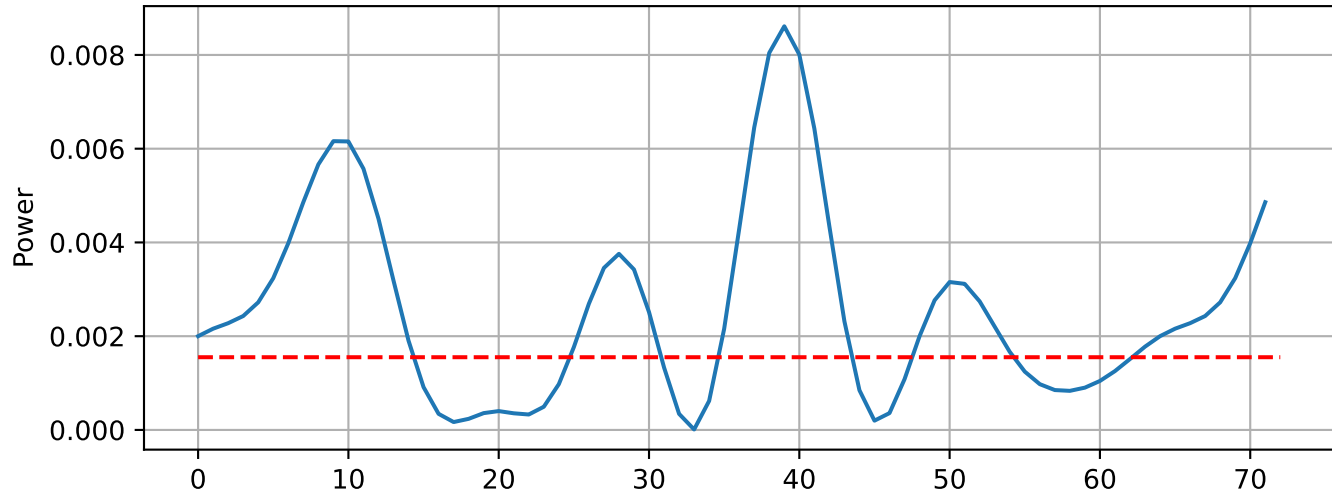
[MSG 5] R1 Constellation



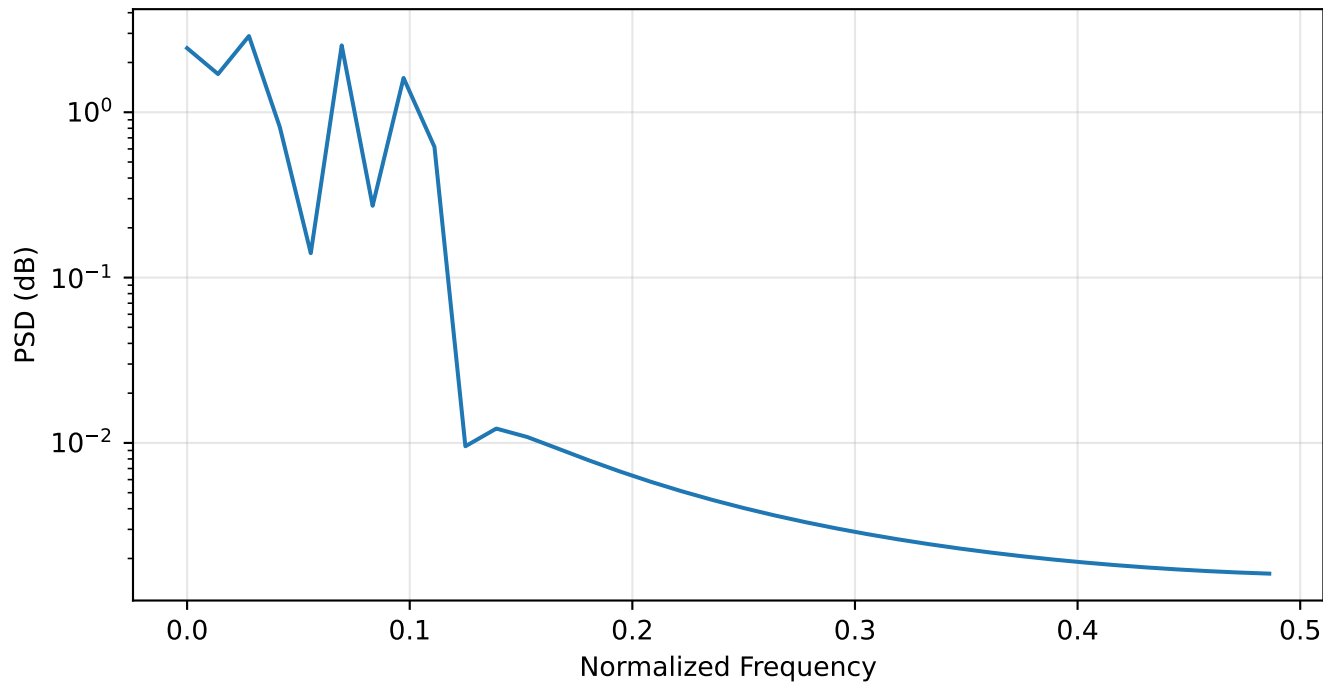
[MSG 5] R1 OFDM Time Domain



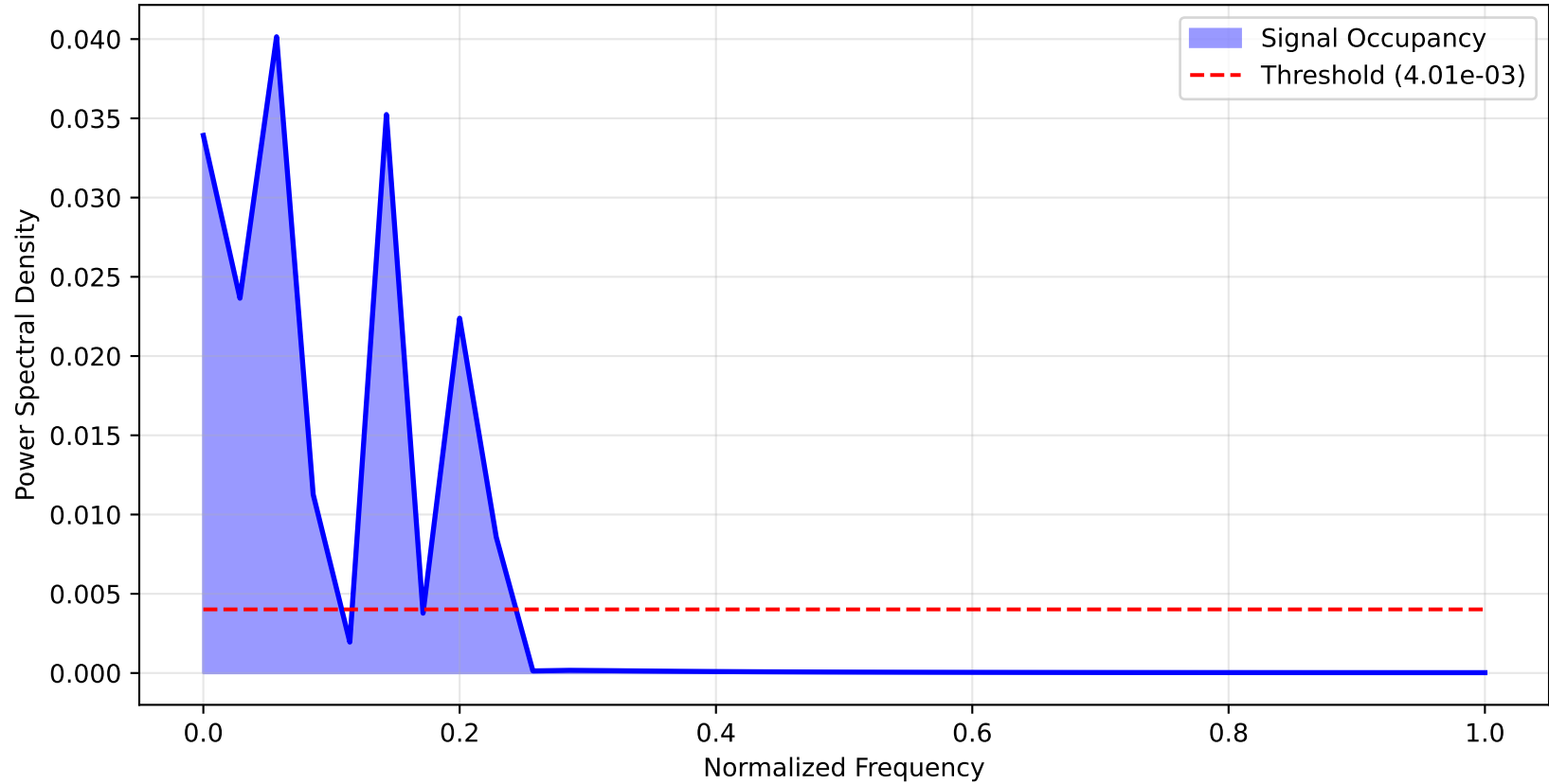
[MSG 5] R1 Power Envelope



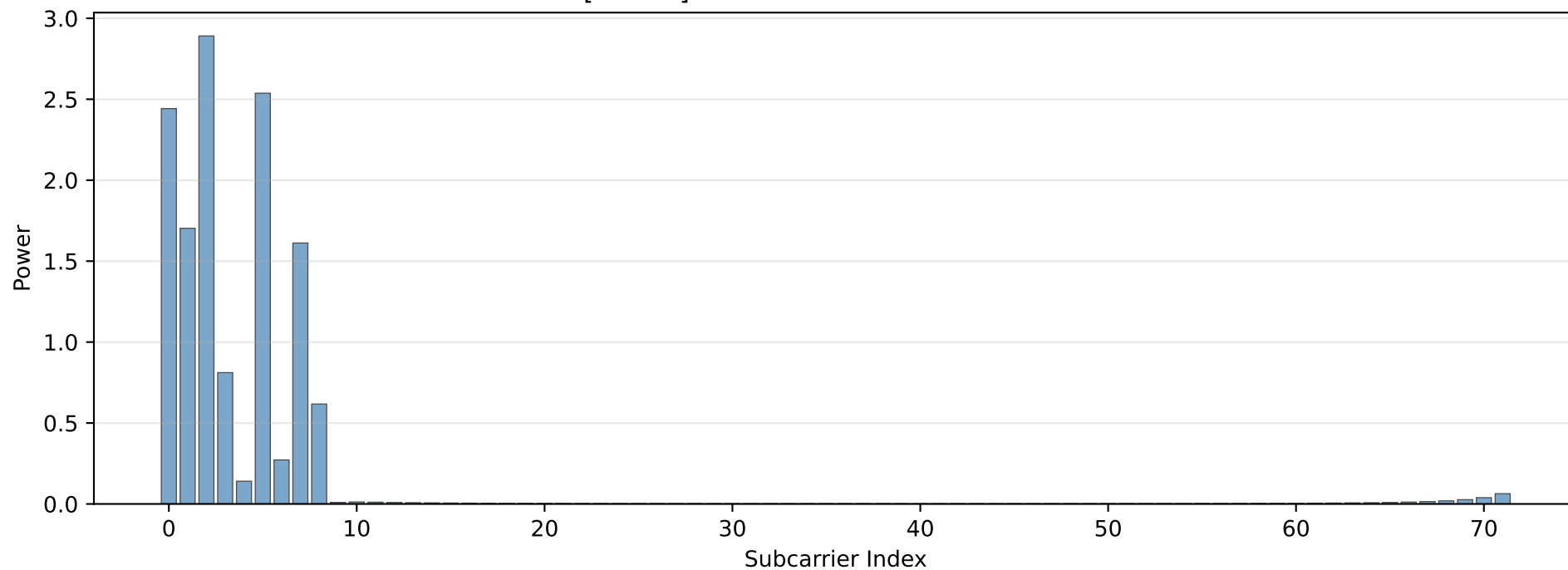
[MSG 5] R1 Power Spectral Density



[MSG 5] Spectrum Occupancy



[MSG 5] Subcarrier Power Distribution



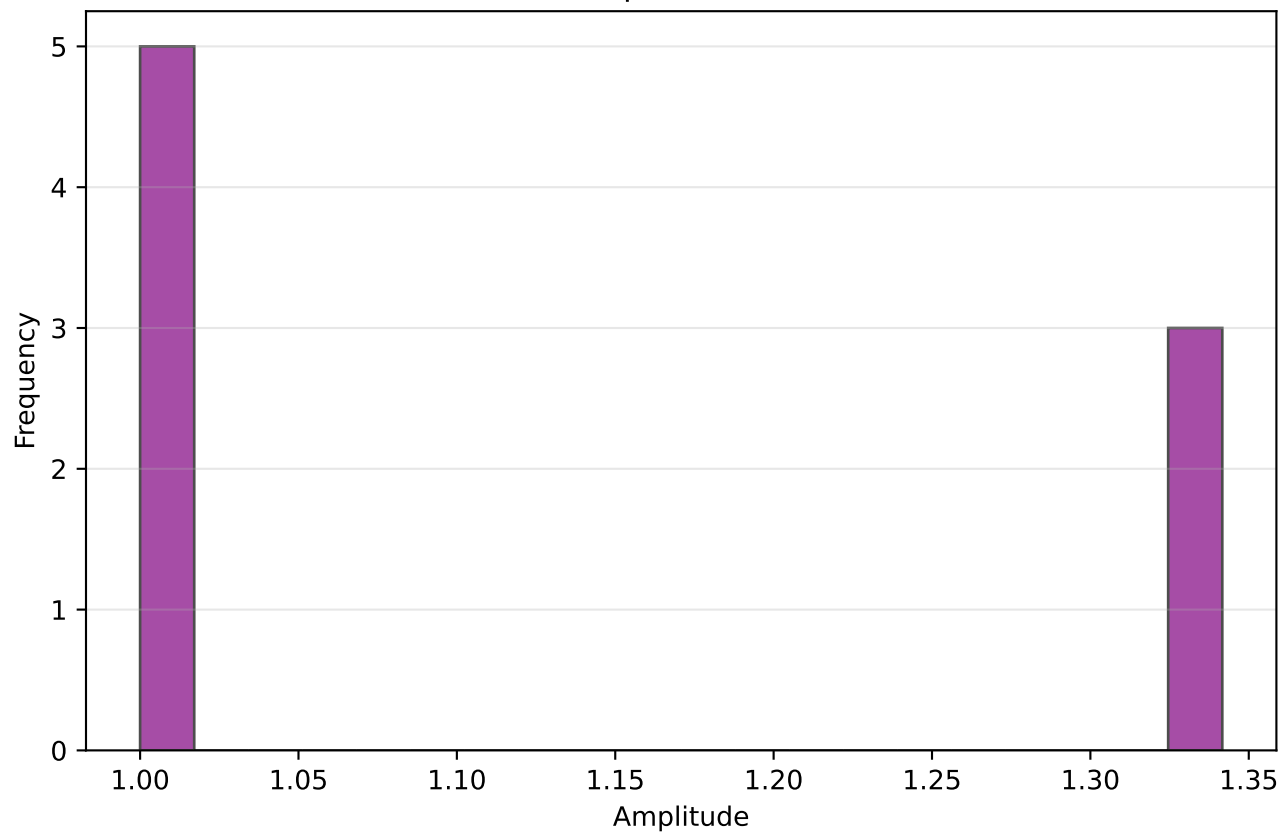
[MSG 5] Channel Capacity Analysis

SNR: 20.00 dB
Modulation: QAM-16
Bandwidth: 20.0 MHz
Signal Power: 2.59e-03 W
Noise Power: 2.59e-05 W
Shannon Capacity: 133.16 Mbps

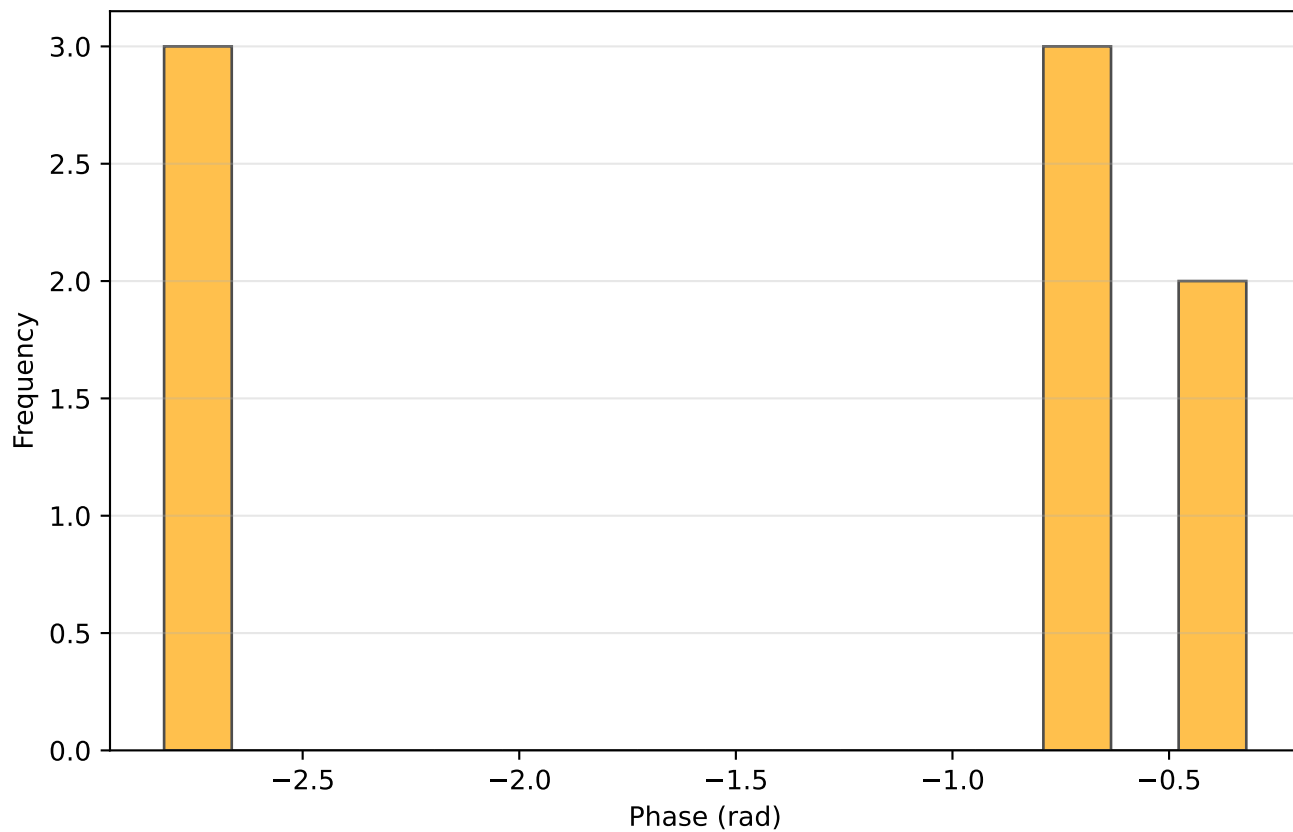
[MSG 5] R1 SNR Analysis

Est. SNR: 20.00 dB
Modulation: QAM-16
Signal Power: 2.59e-03

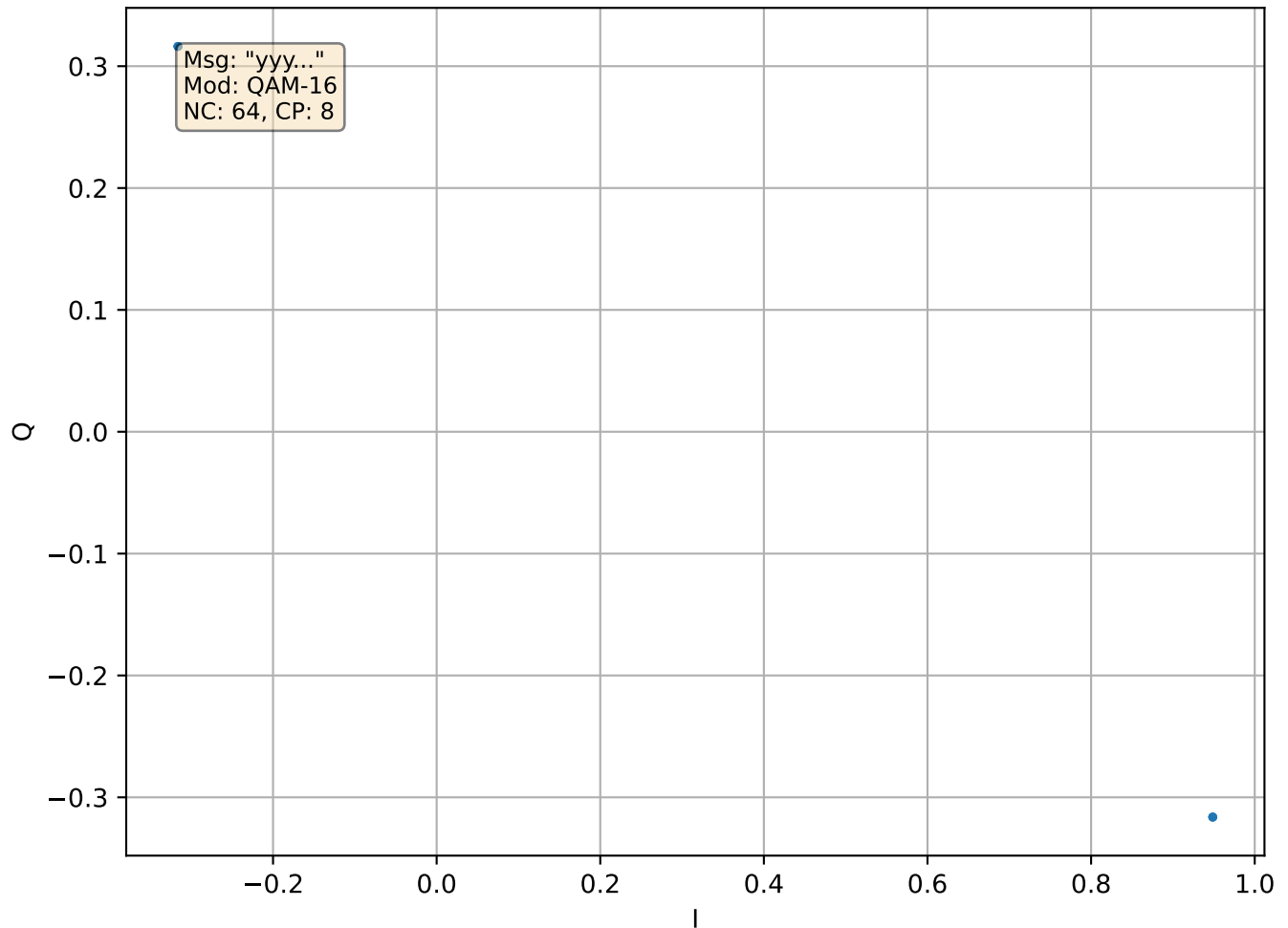
[MSG 5] Amplitude Distribution



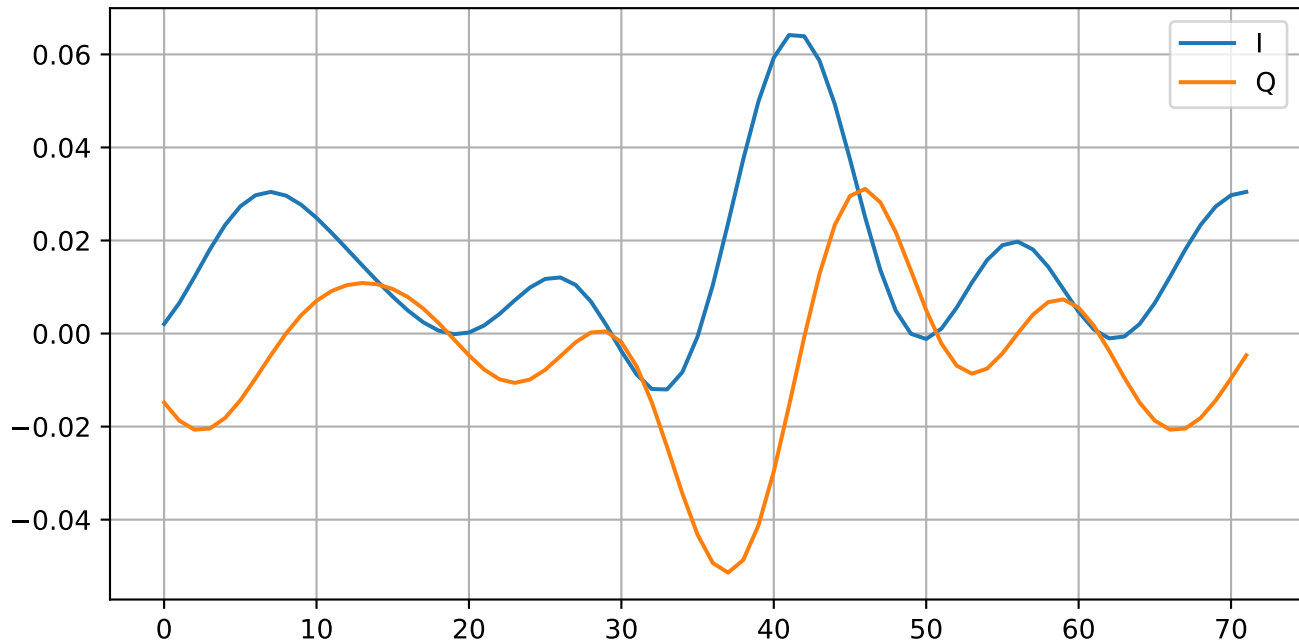
[MSG 5] Phase Distribution



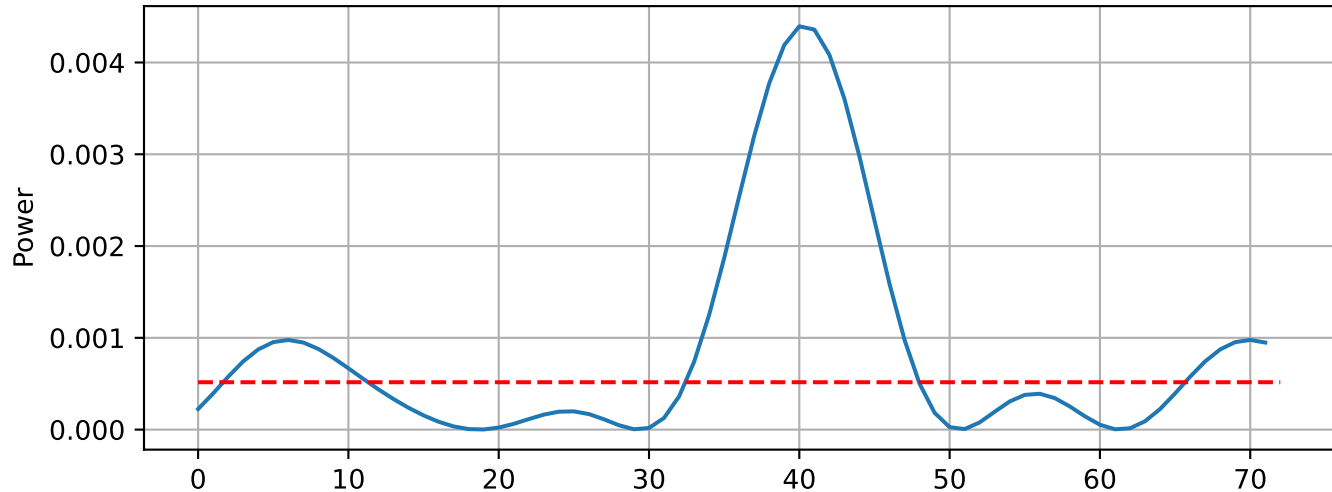
[MSG 6] R1 Constellation



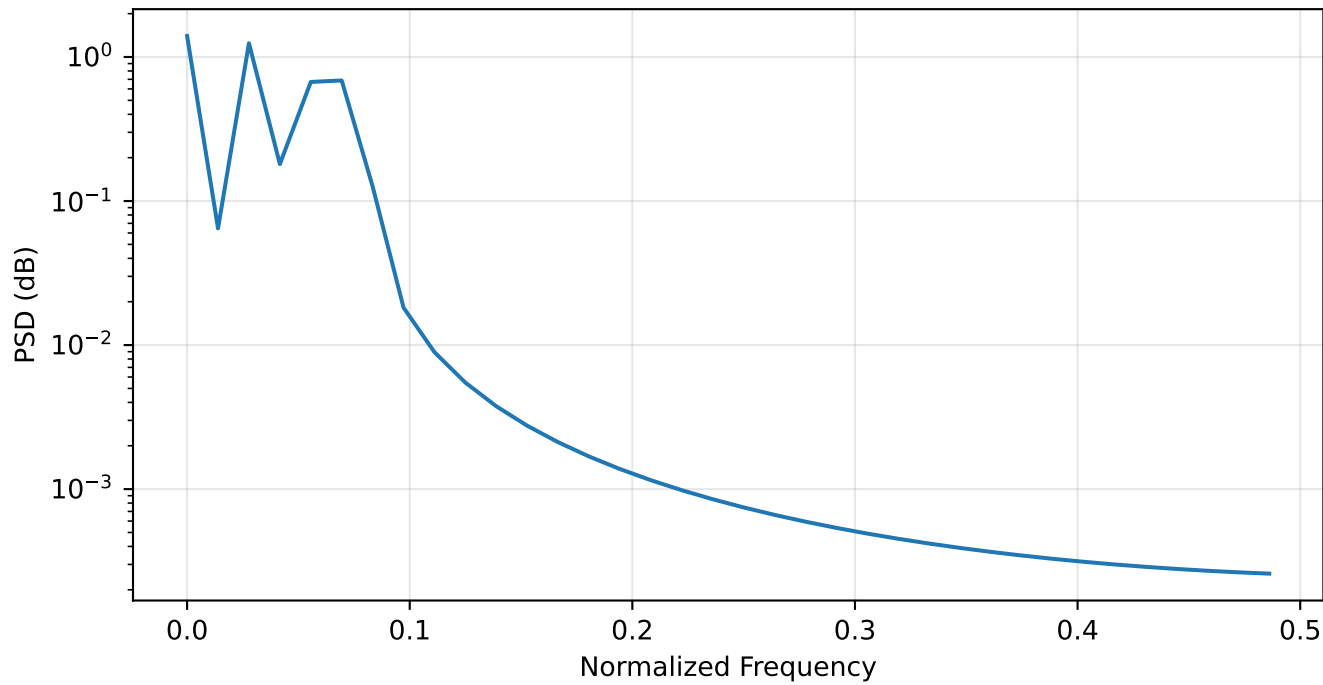
[MSG 6] R1 OFDM Time Domain



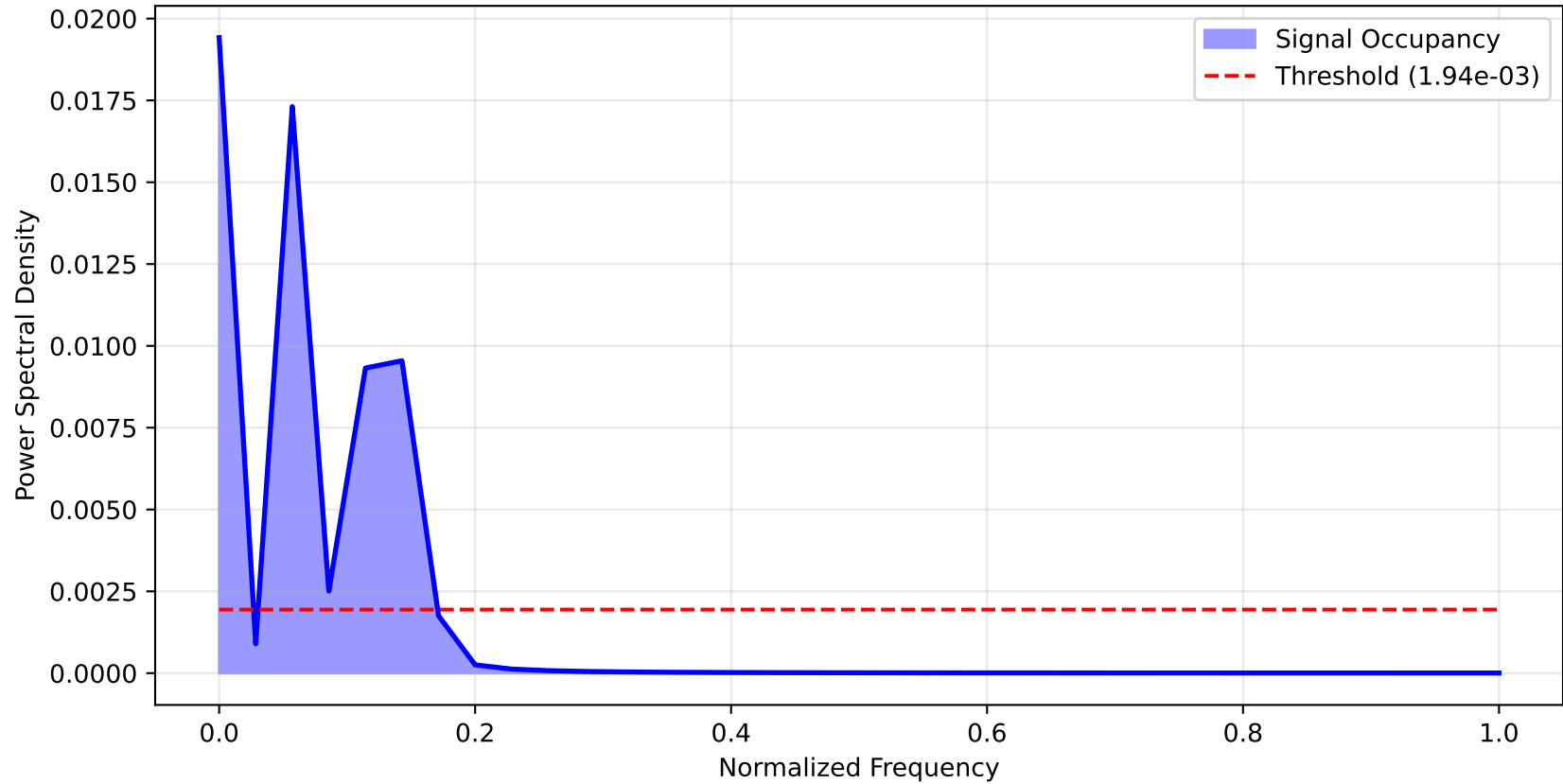
[MSG 6] R1 Power Envelope



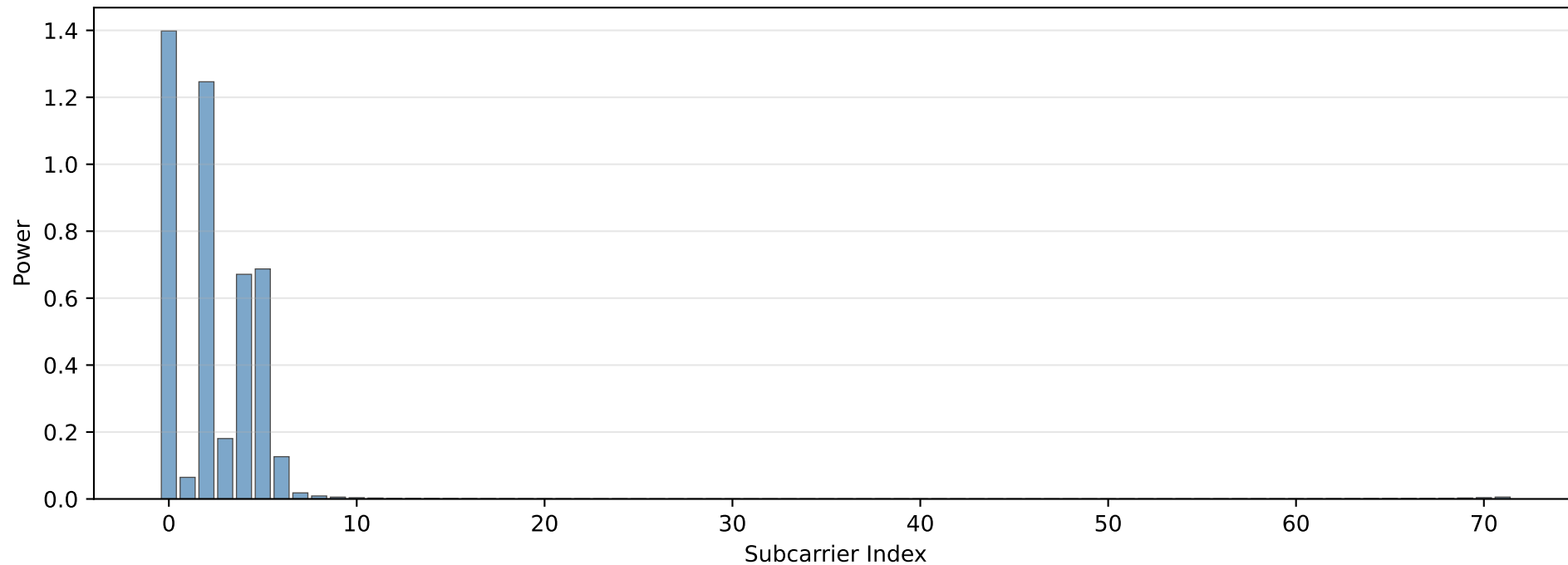
[MSG 6] R1 Power Spectral Density



[MSG 6] Spectrum Occupancy



[MSG 6] Subcarrier Power Distribution



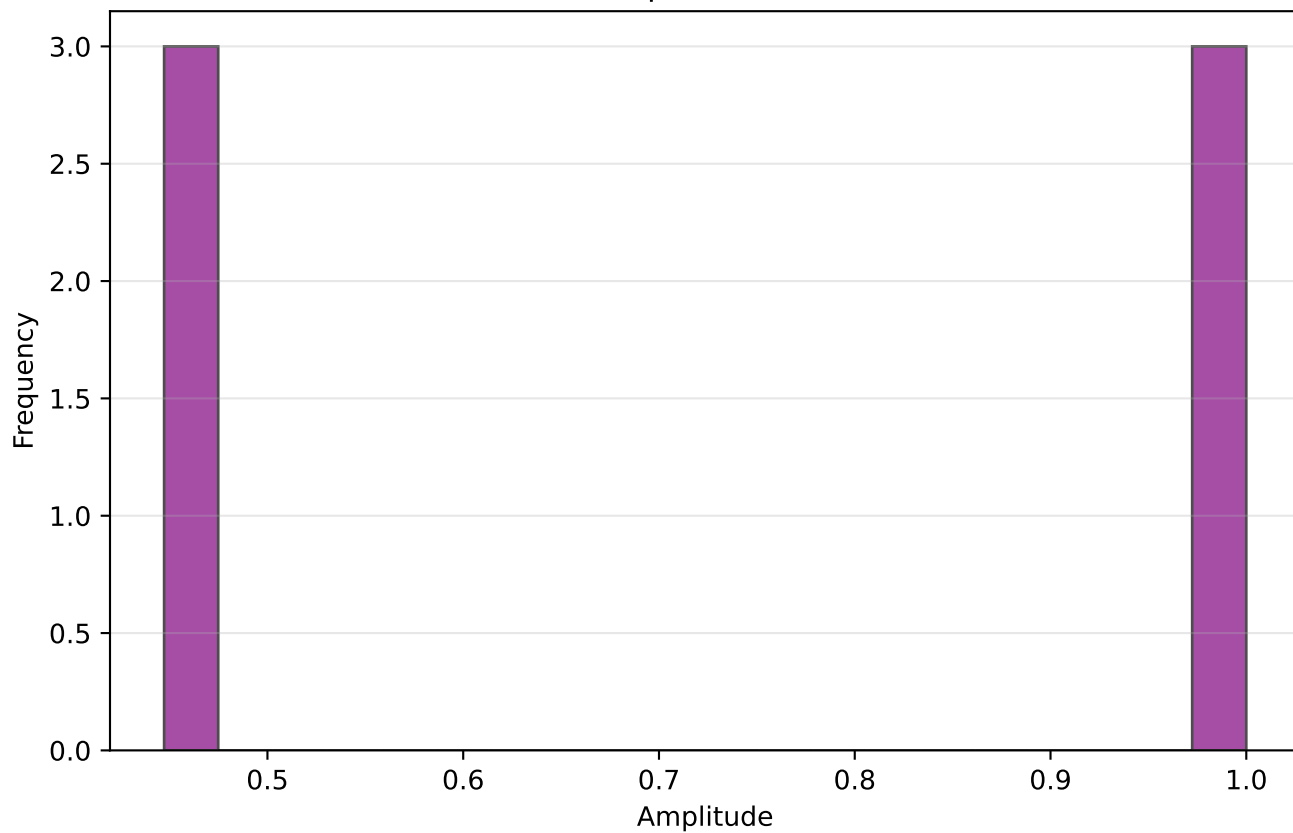
[MSG 6] Channel Capacity Analysis

SNR: 20.00 dB
Modulation: QAM-16
Bandwidth: 20.0 MHz
Signal Power: 8.60e-04 W
Noise Power: 8.60e-06 W
Shannon Capacity: 133.16 Mbps

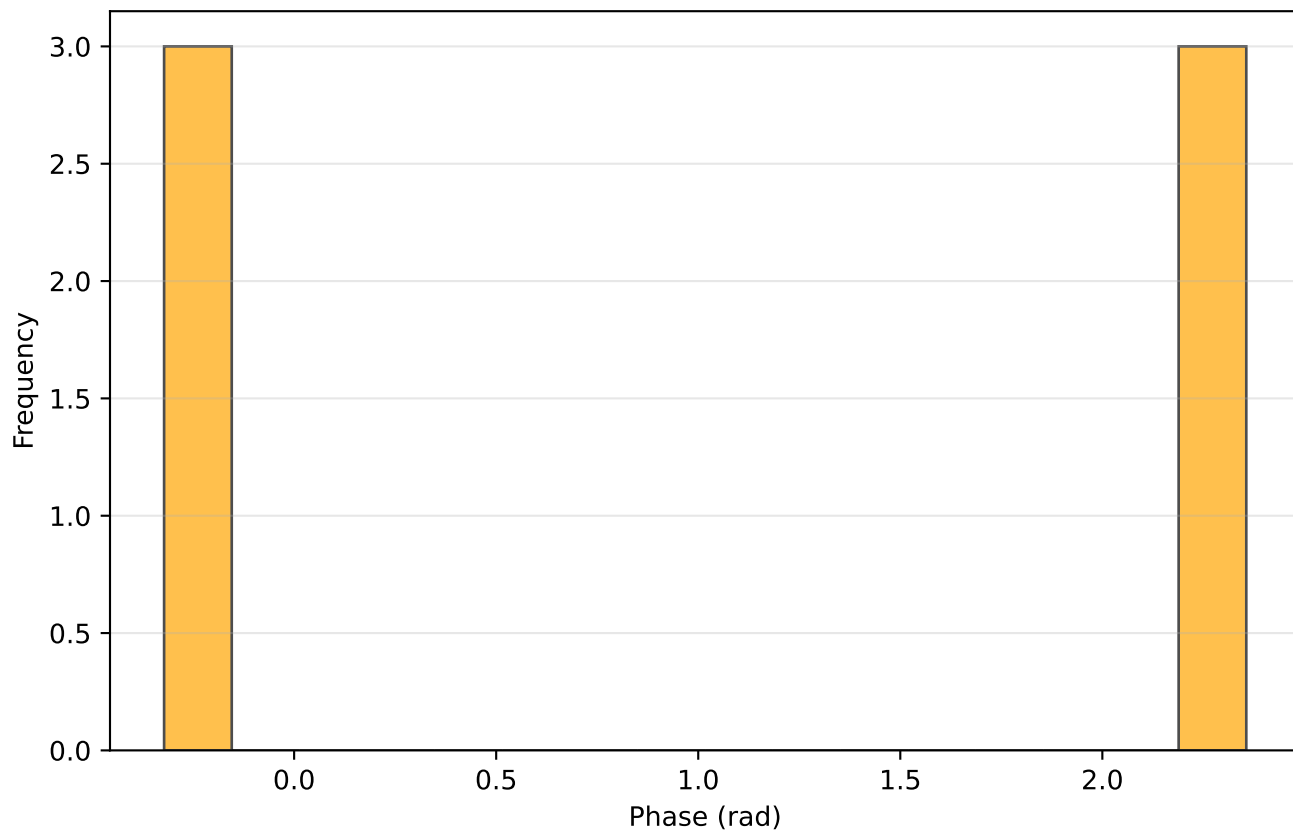
[MSG 6] R1 SNR Analysis

Est. SNR: 20.00 dB
Modulation: QAM-16
Signal Power: 8.60e-04

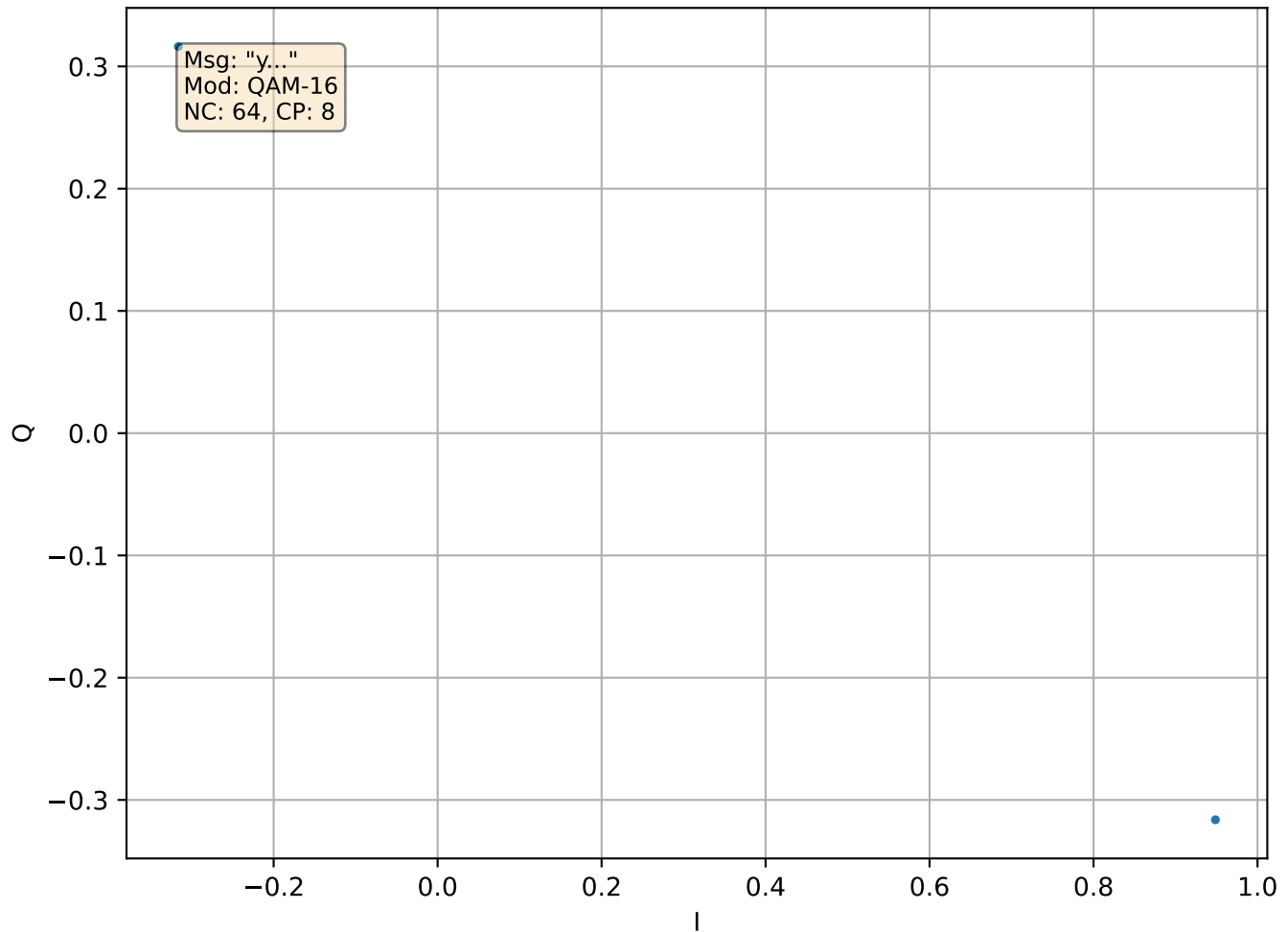
[MSG 6] Amplitude Distribution



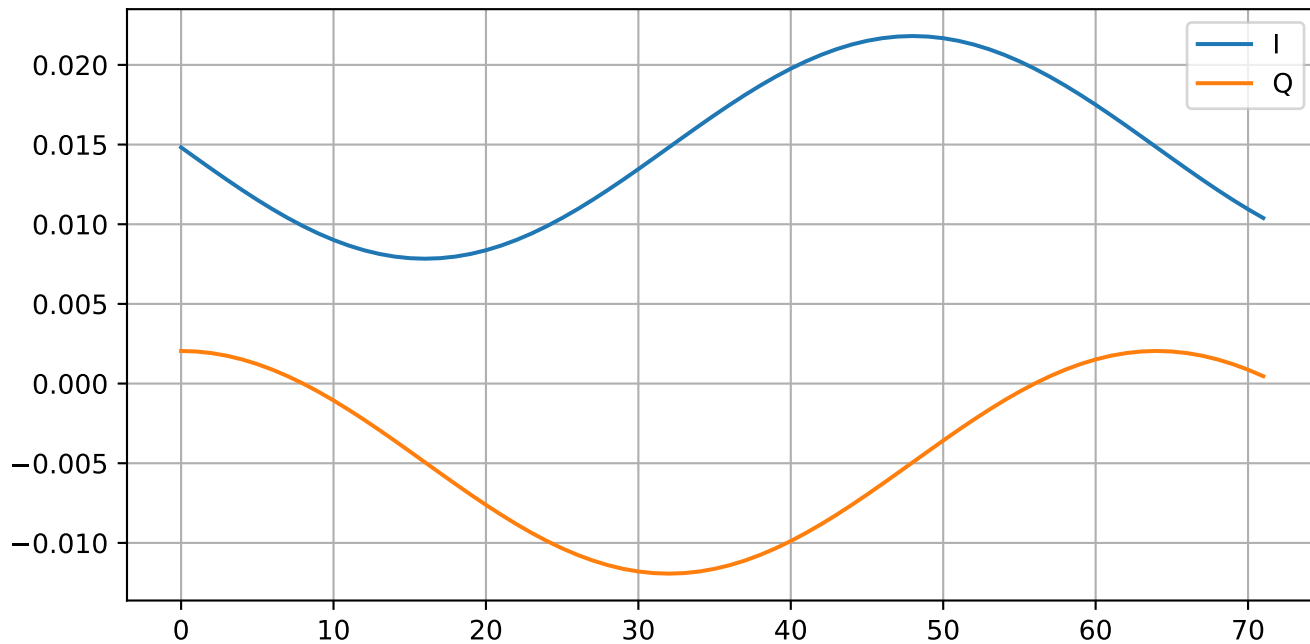
[MSG 6] Phase Distribution



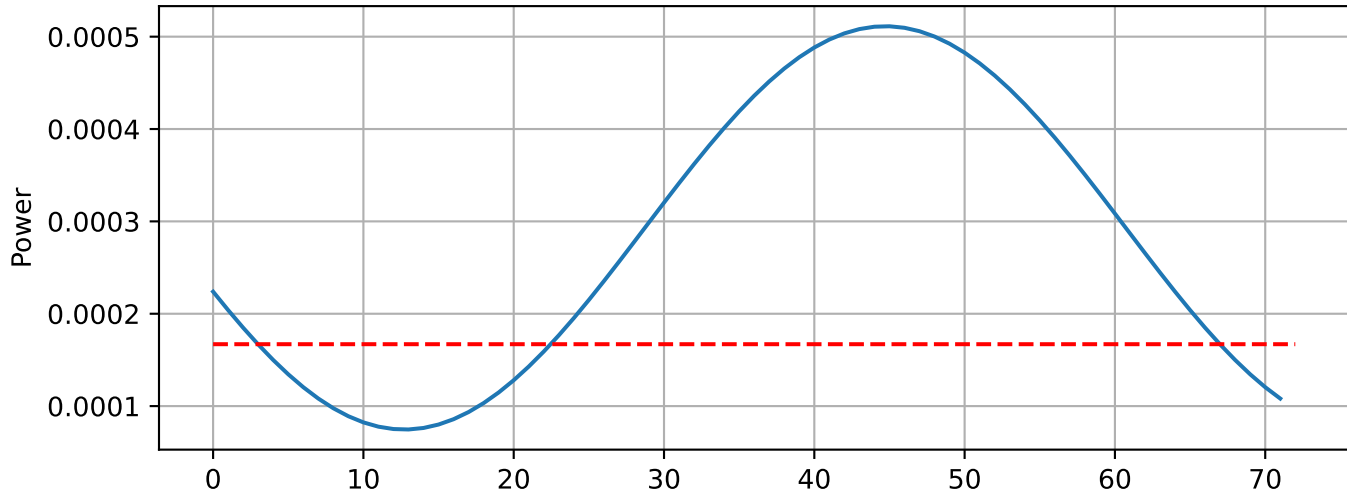
[MSG 7] R1 Constellation



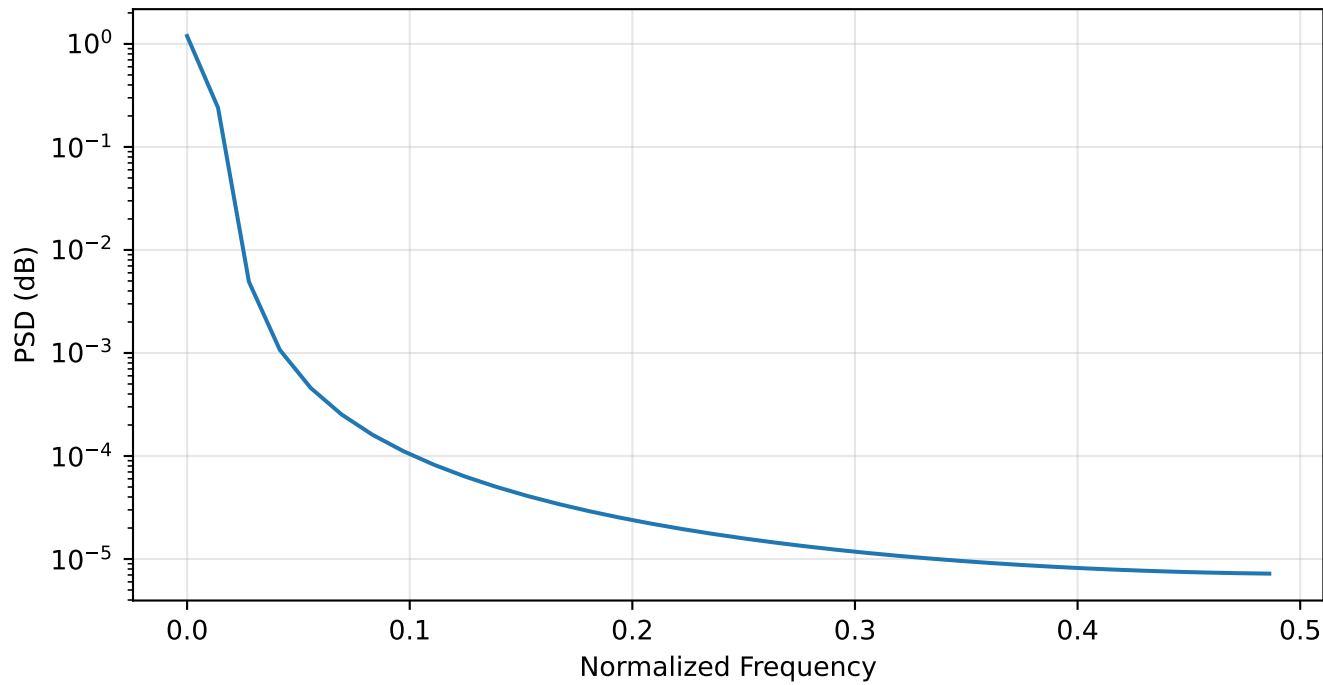
[MSG 7] R1 OFDM Time Domain



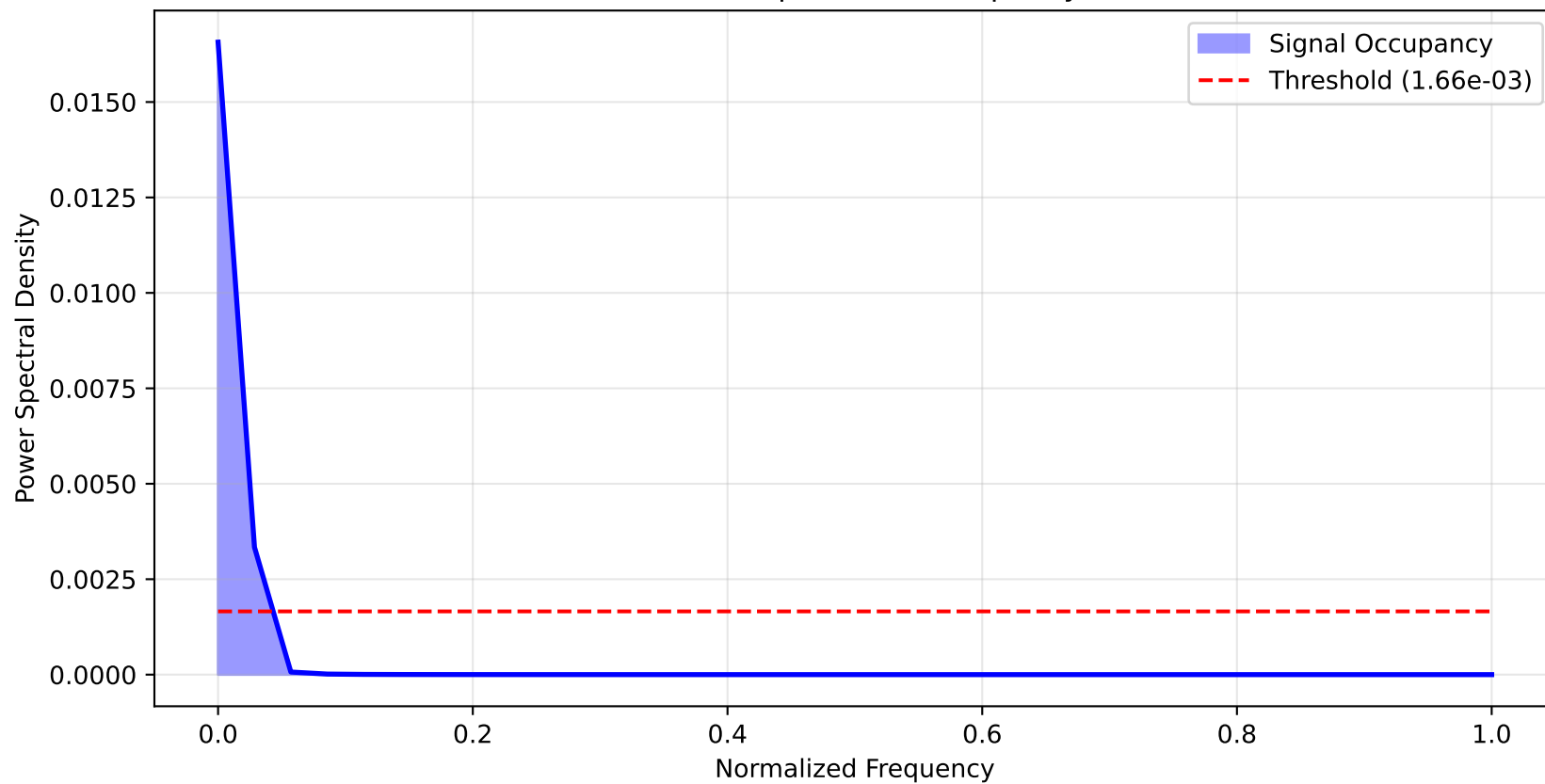
[MSG 7] R1 Power Envelope



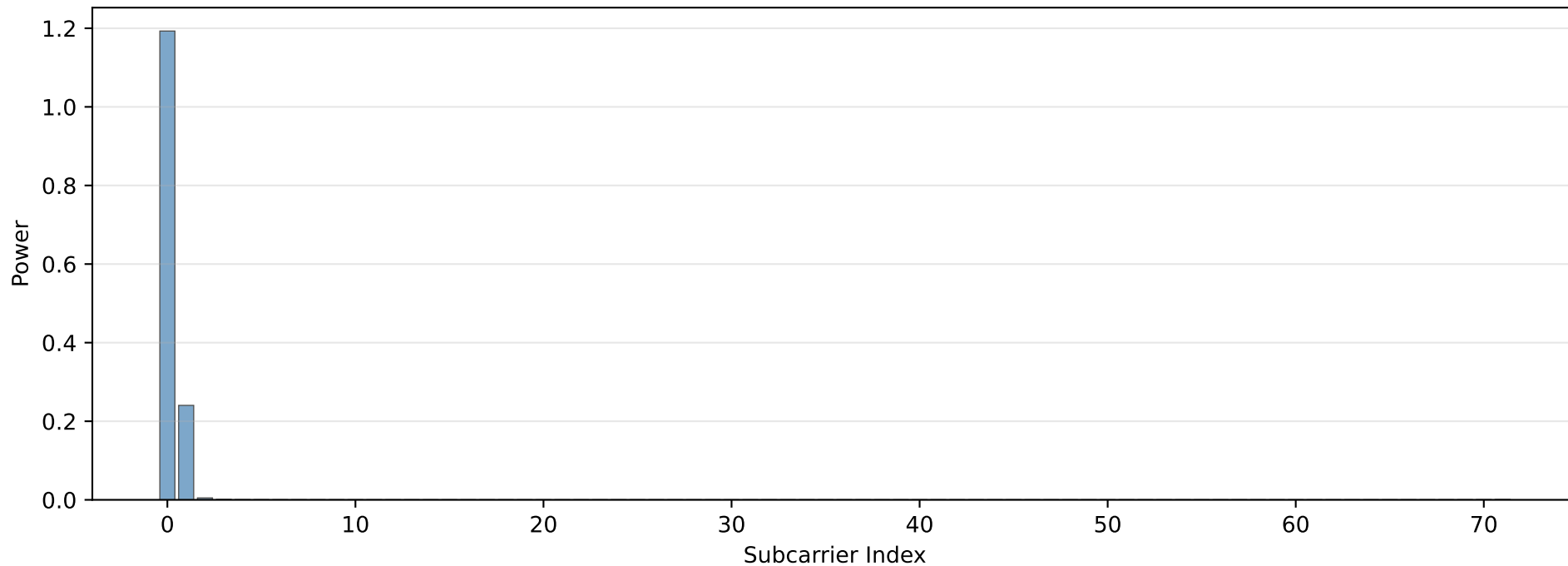
[MSG 7] R1 Power Spectral Density



[MSG 7] Spectrum Occupancy



[MSG 7] Subcarrier Power Distribution



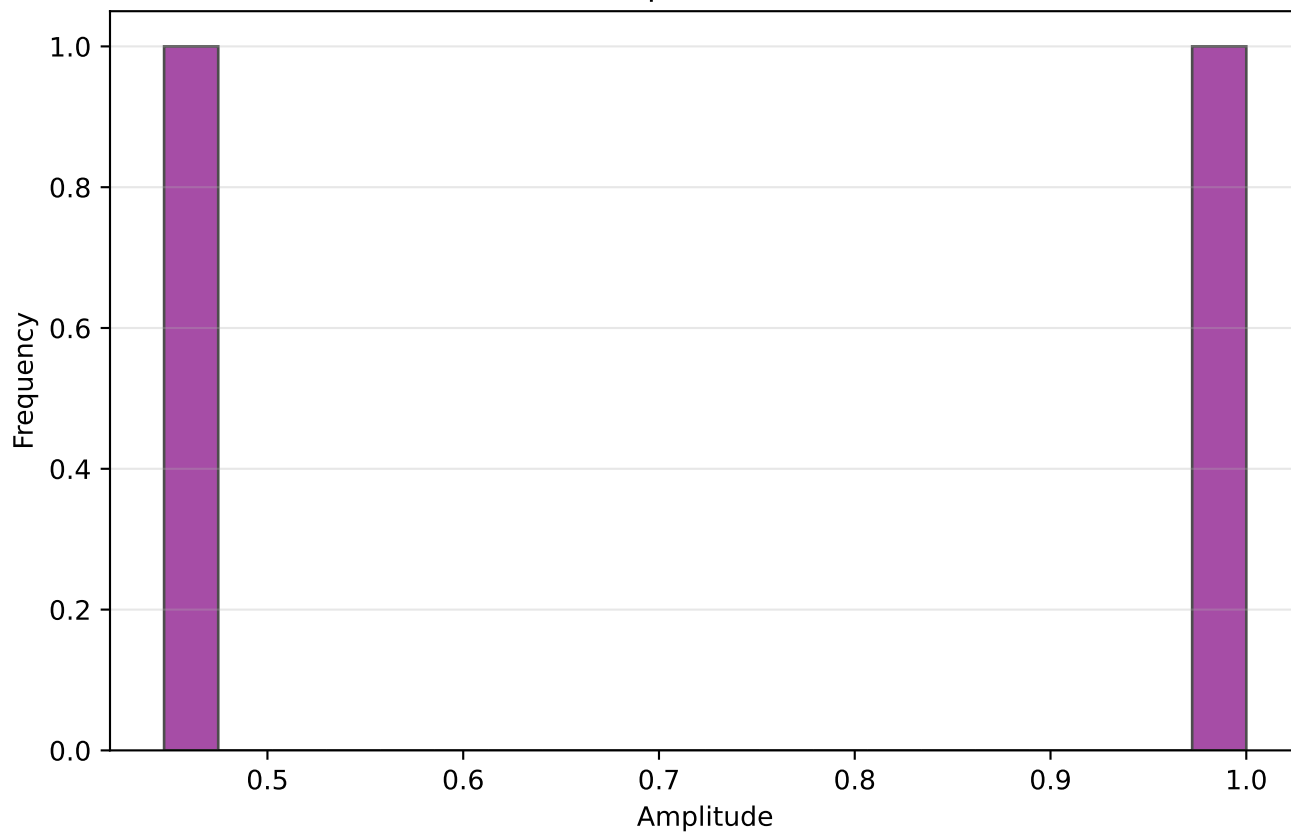
[MSG 7] Channel Capacity Analysis

SNR: 20.00 dB
Modulation: QAM-16
Bandwidth: 20.0 MHz
Signal Power: 2.78×10^{-4} W
Noise Power: 2.78×10^{-6} W
Shannon Capacity: 133.16 Mbps

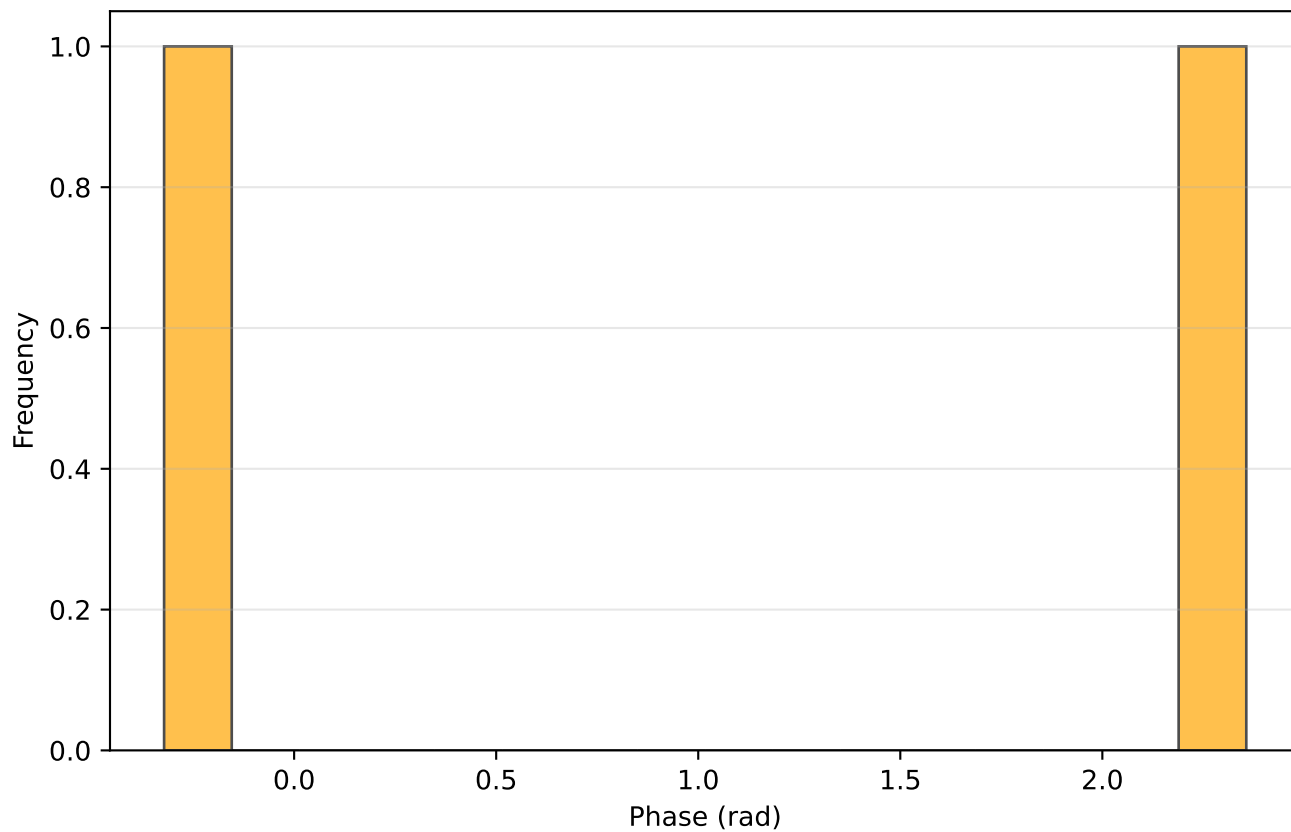
[MSG 7] R1 SNR Analysis

Est. SNR: 20.00 dB
Modulation: QAM-16
Signal Power: 2.78e-04

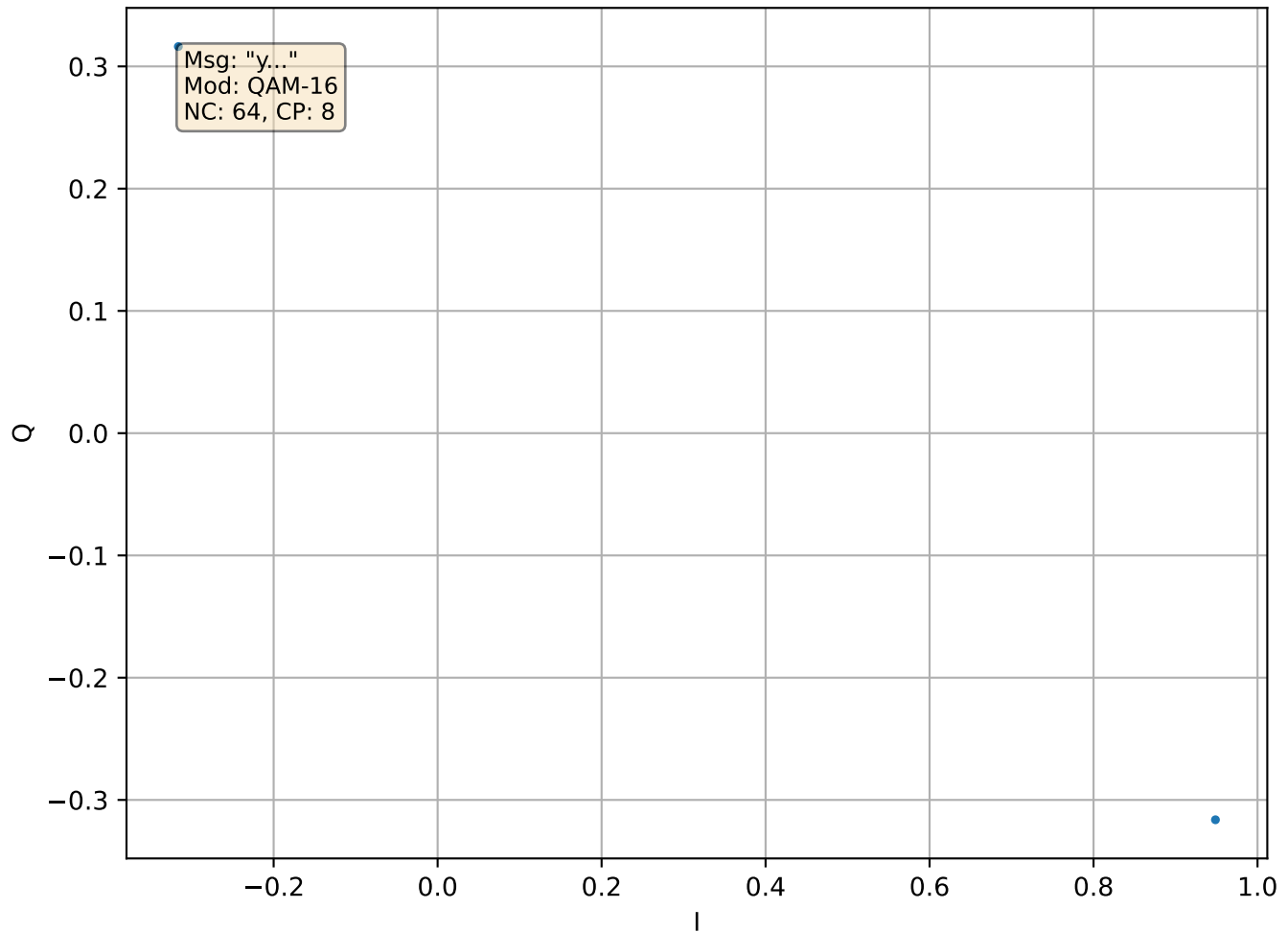
[MSG 7] Amplitude Distribution



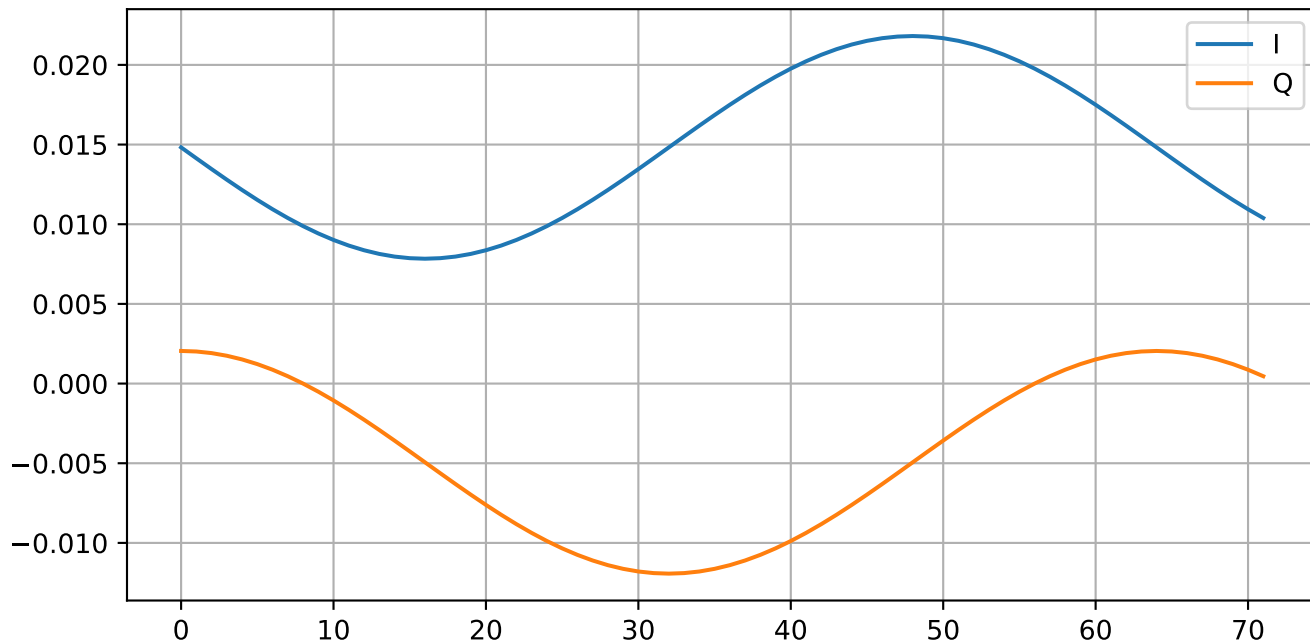
[MSG 7] Phase Distribution



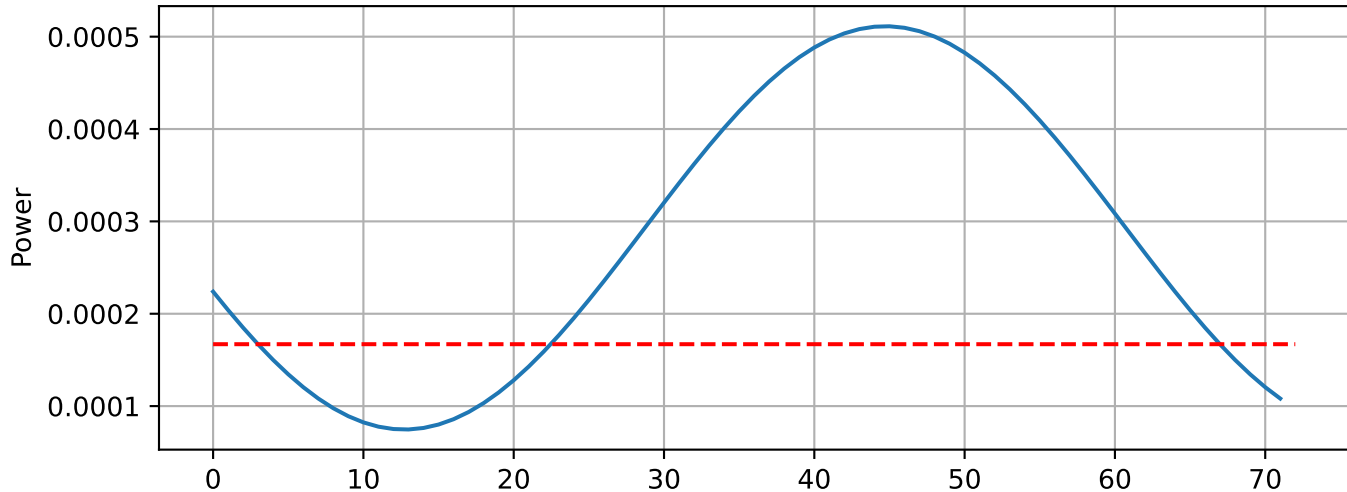
[MSG 8] R1 Constellation



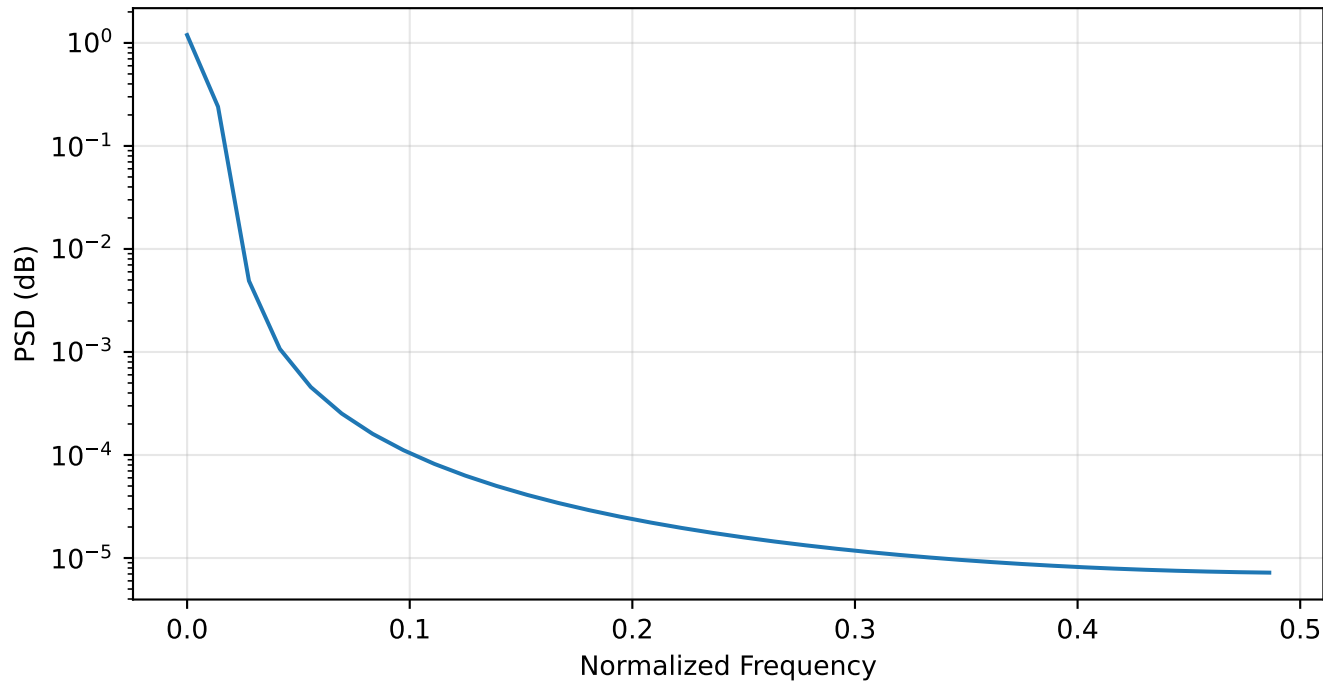
[MSG 8] R1 OFDM Time Domain



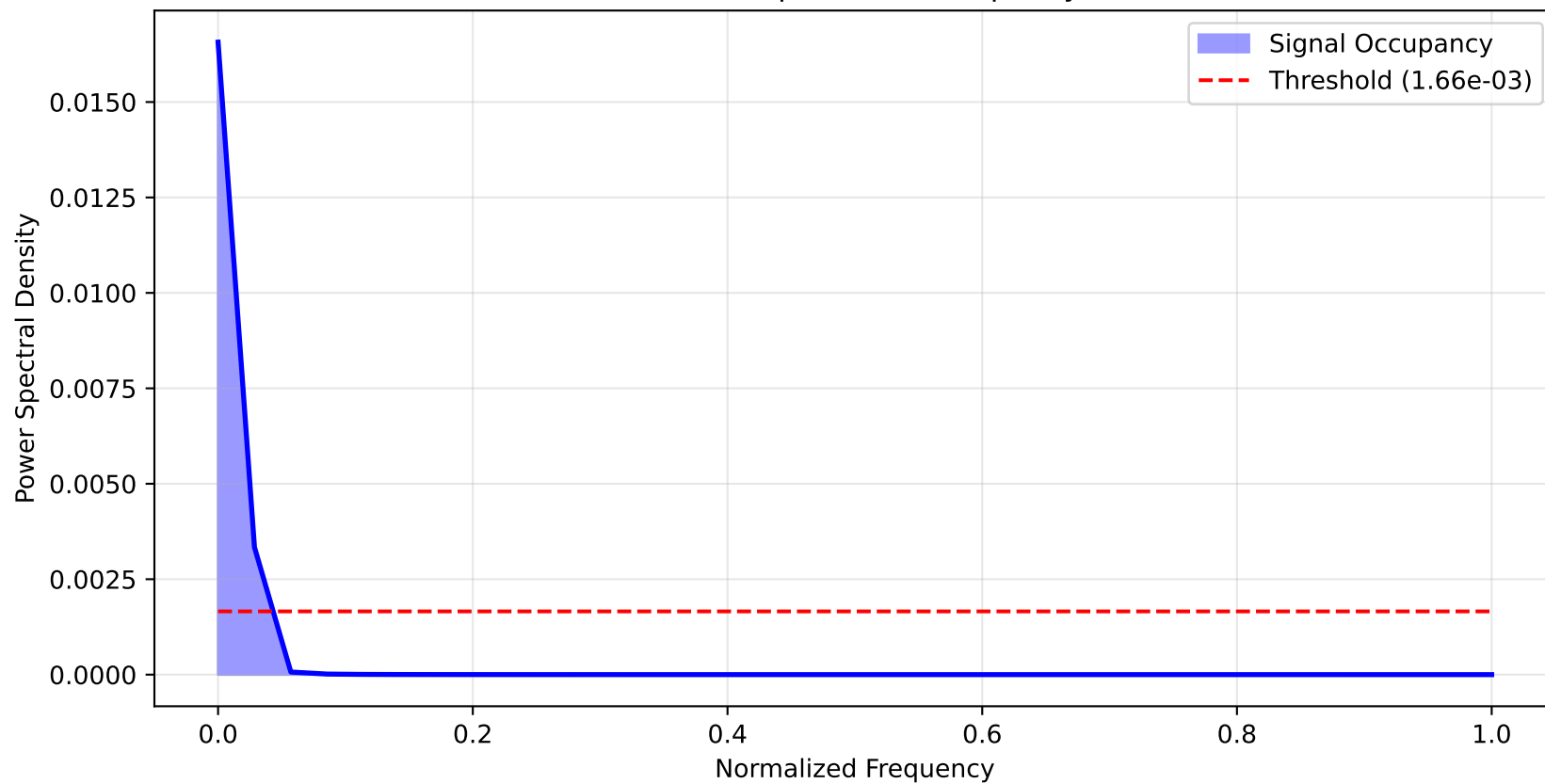
[MSG 8] R1 Power Envelope



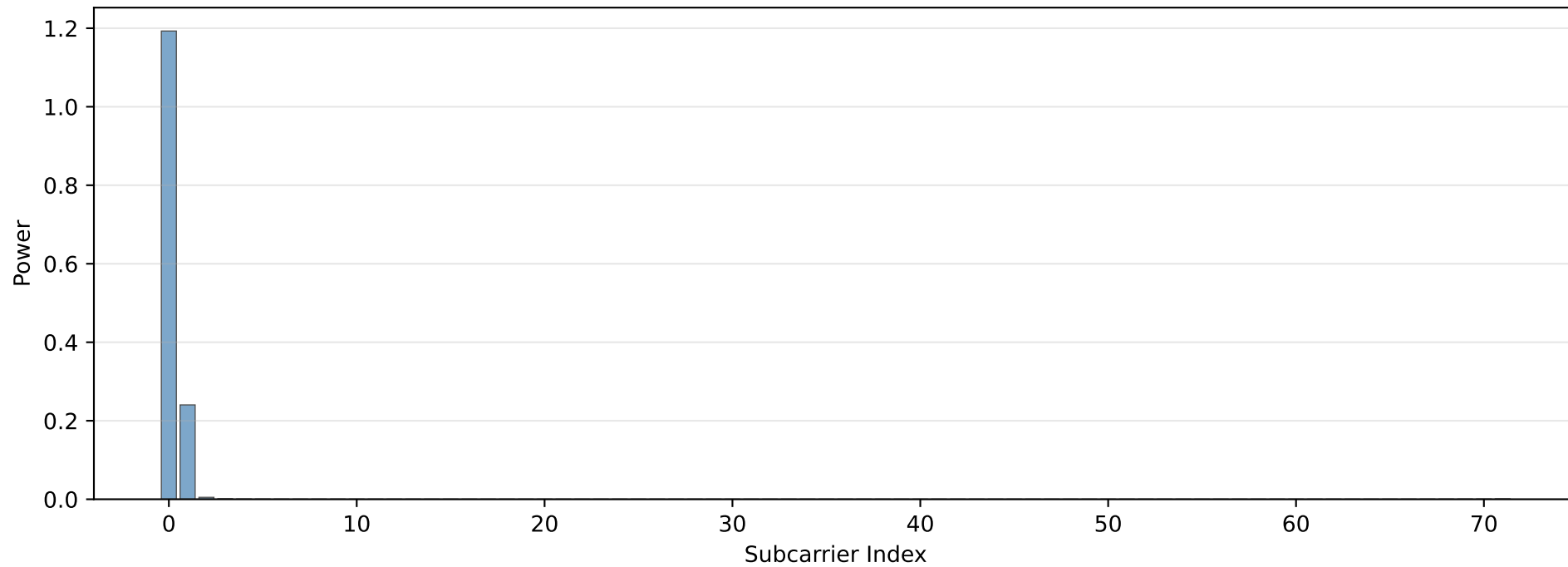
[MSG 8] R1 Power Spectral Density



[MSG 8] Spectrum Occupancy



[MSG 8] Subcarrier Power Distribution



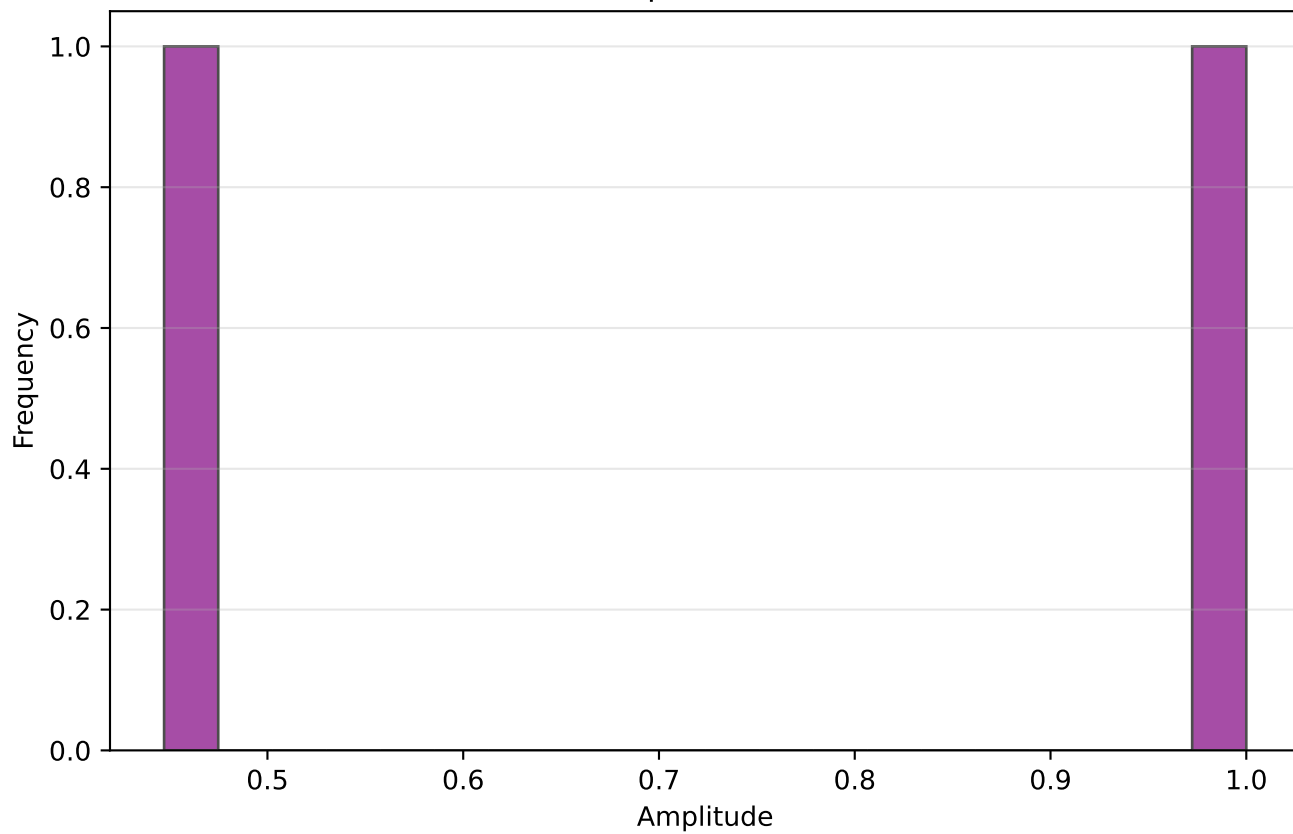
[MSG 8] Channel Capacity Analysis

SNR: 20.00 dB
Modulation: QAM-16
Bandwidth: 20.0 MHz
Signal Power: 2.78×10^{-4} W
Noise Power: 2.78×10^{-6} W
Shannon Capacity: 133.16 Mbps

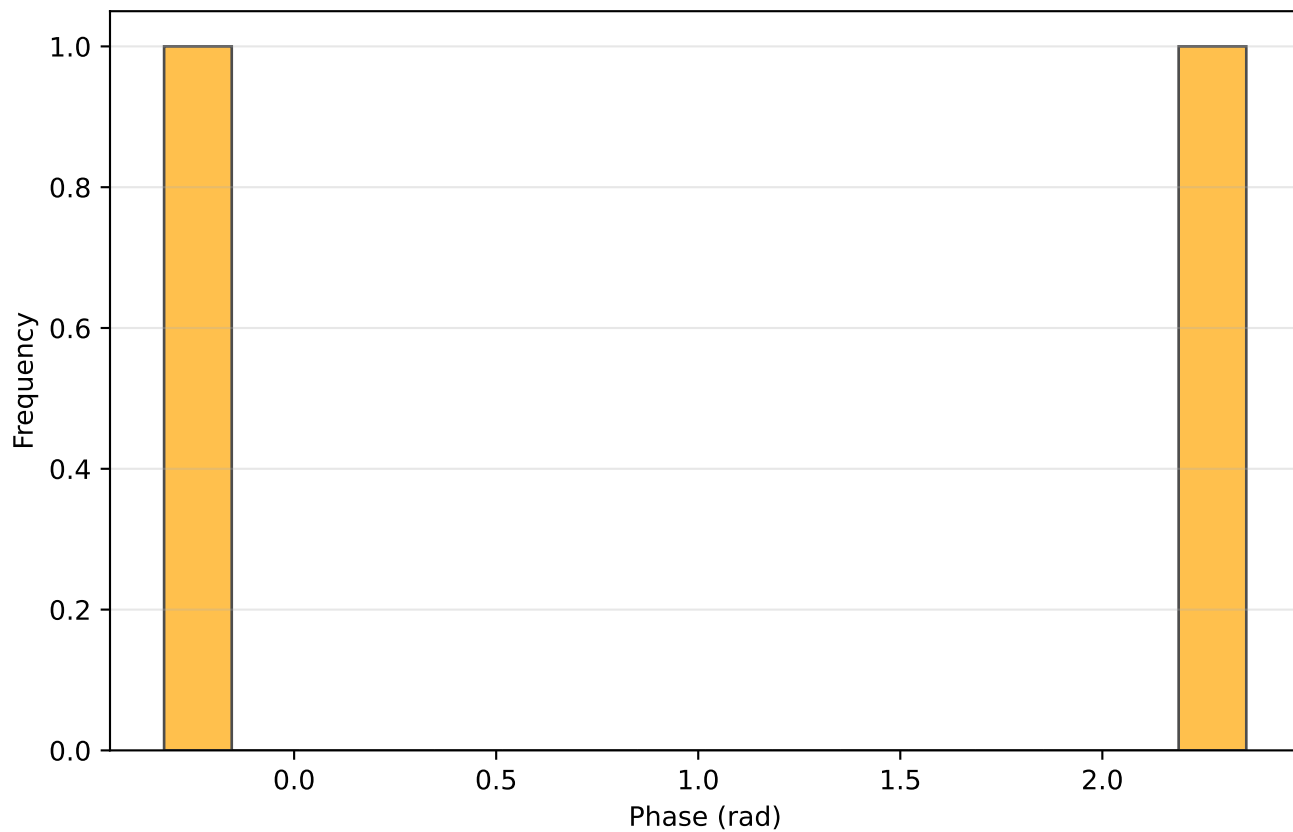
[MSG 8] R1 SNR Analysis

Est. SNR: 20.00 dB
Modulation: QAM-16
Signal Power: 2.78e-04

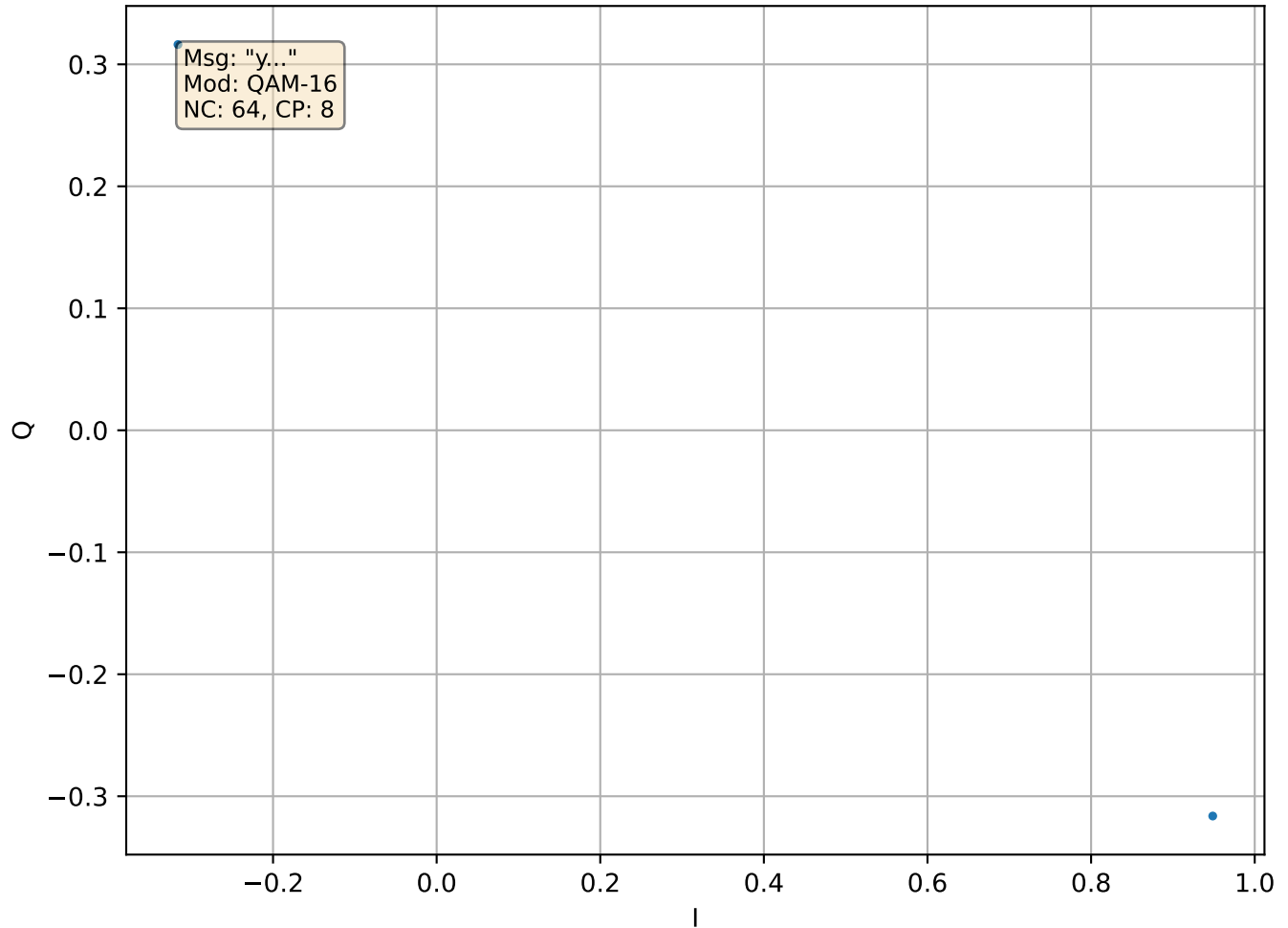
[MSG 8] Amplitude Distribution



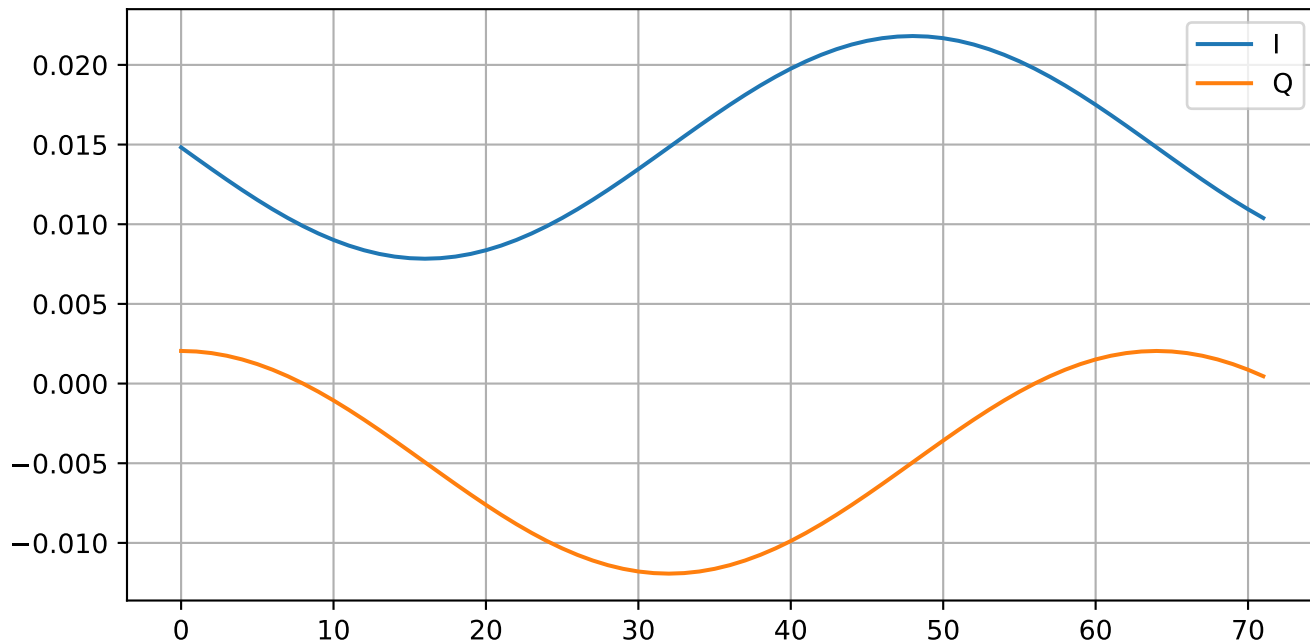
[MSG 8] Phase Distribution



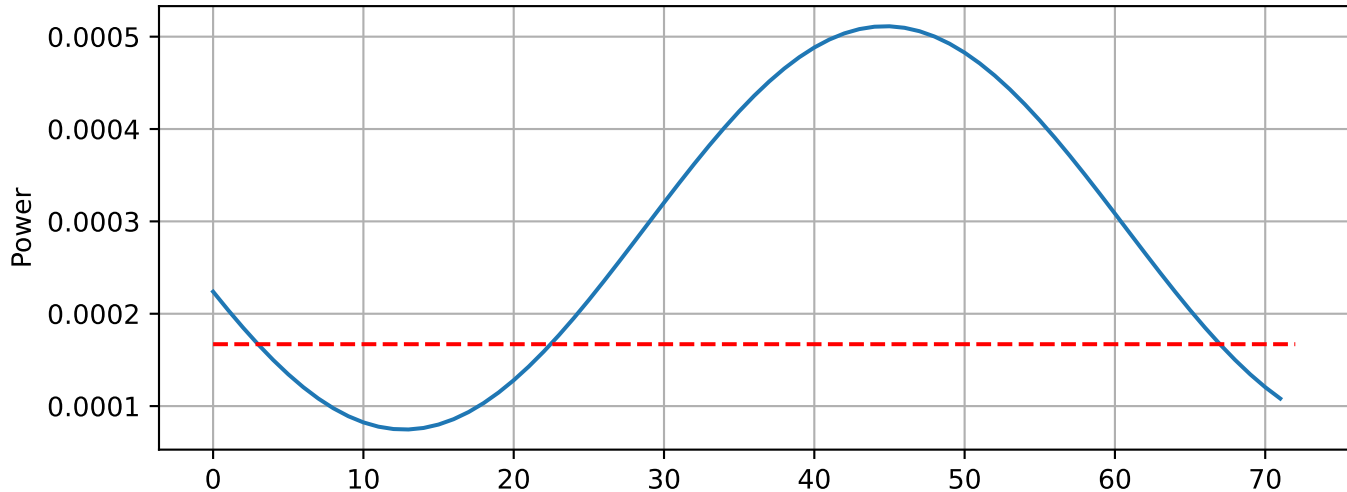
[MSG 9] R1 Constellation



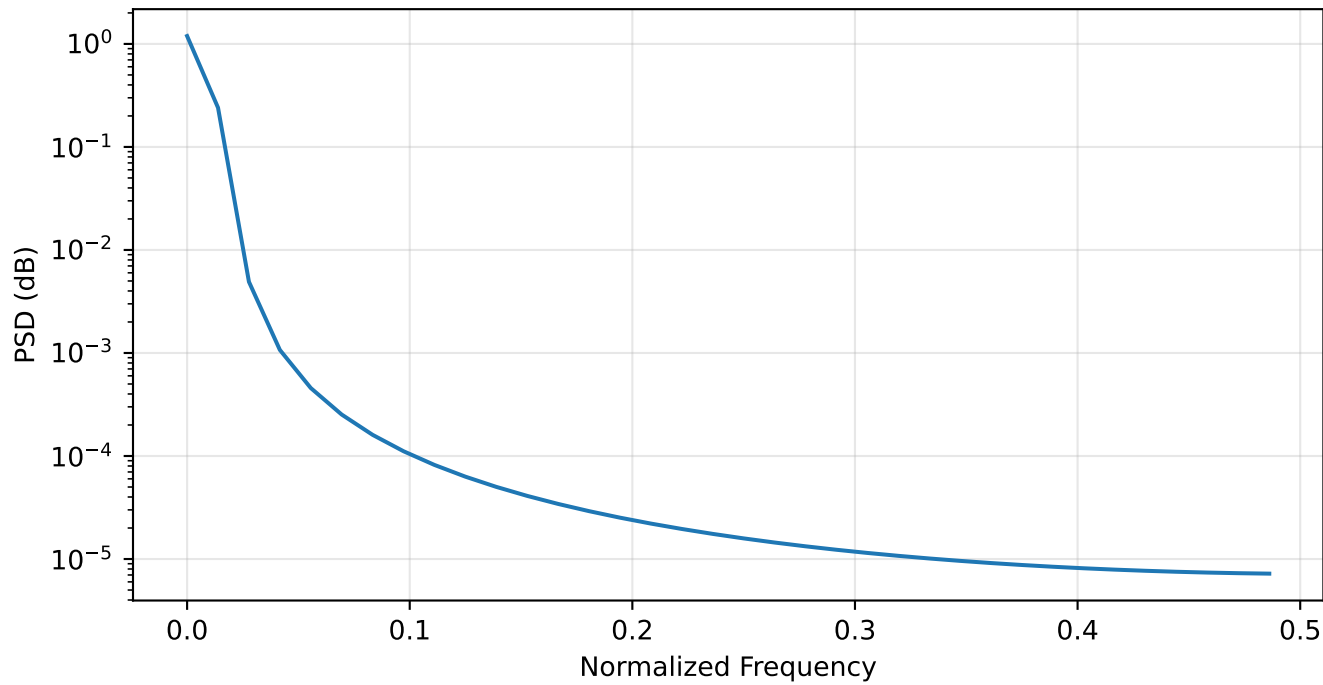
[MSG 9] R1 OFDM Time Domain



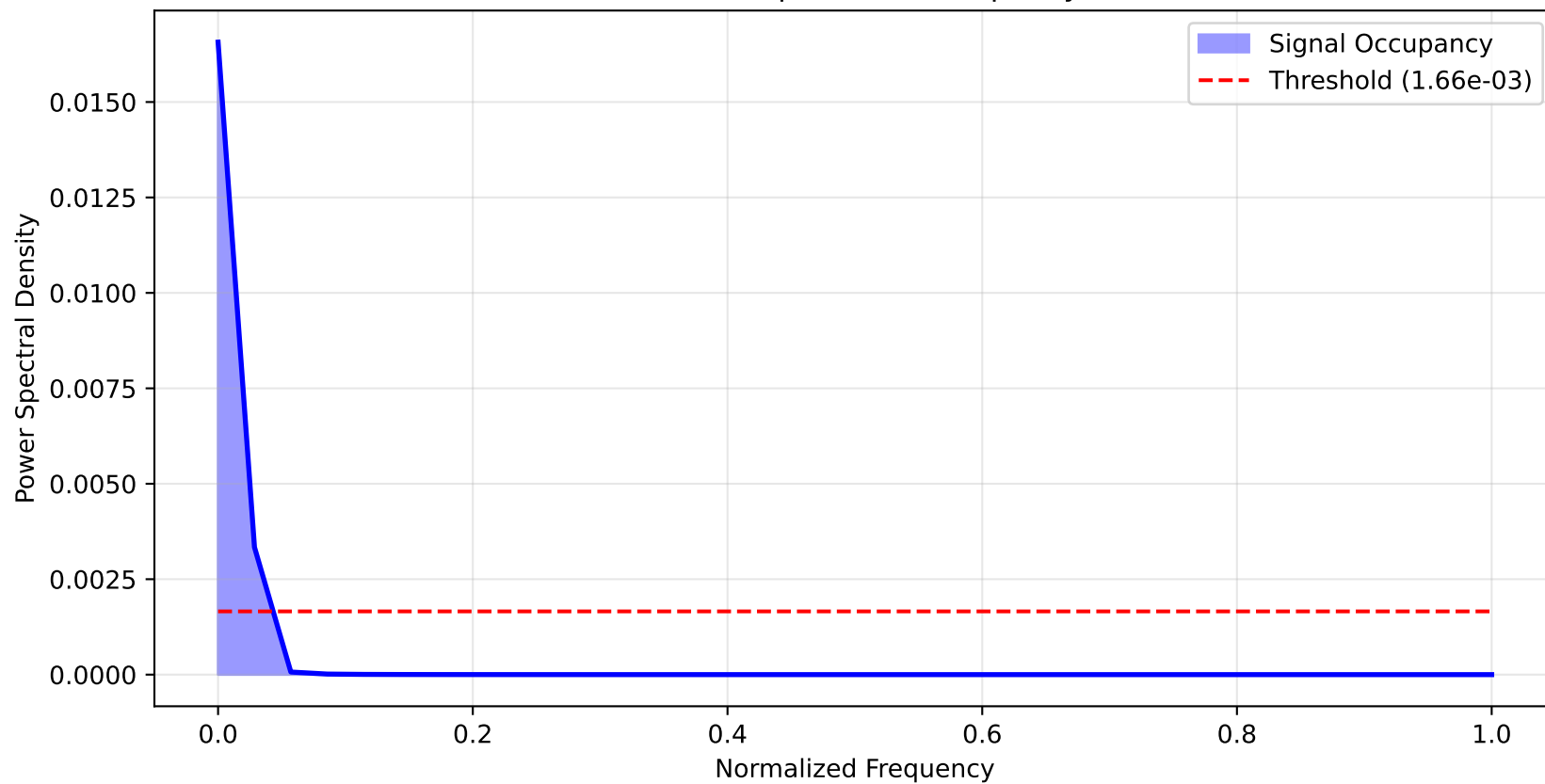
[MSG 9] R1 Power Envelope



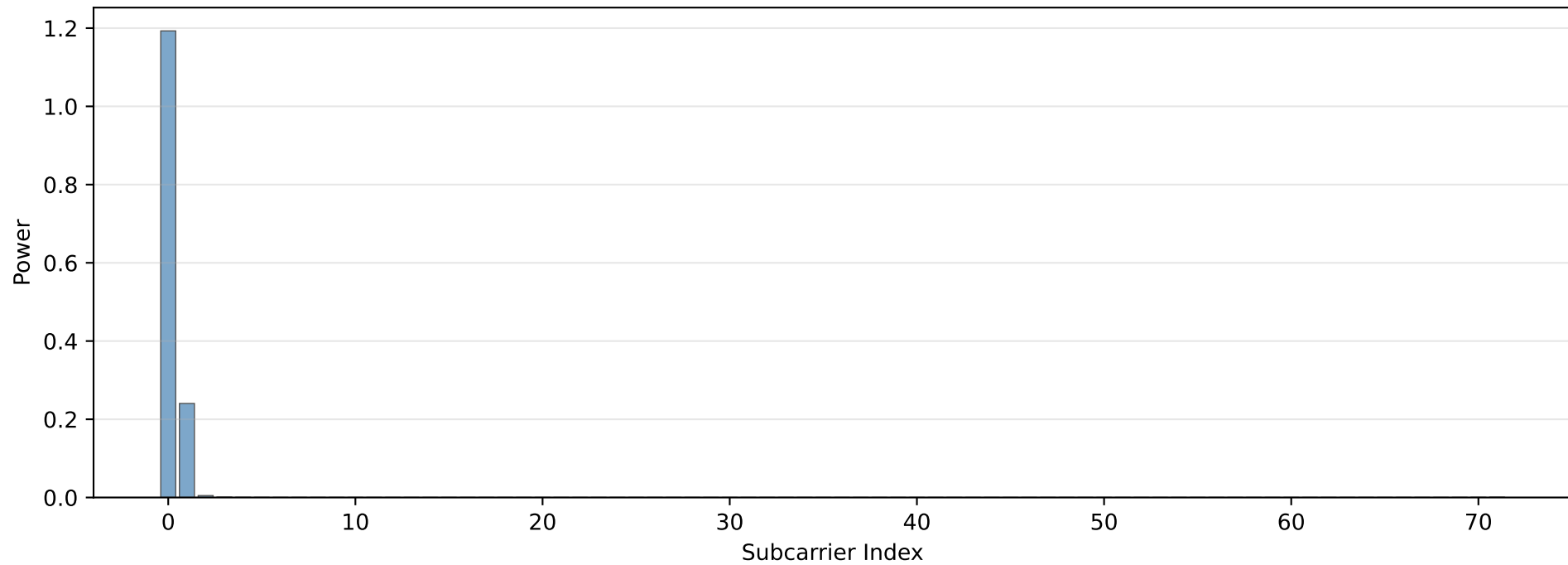
[MSG 9] R1 Power Spectral Density



[MSG 9] Spectrum Occupancy



[MSG 9] Subcarrier Power Distribution



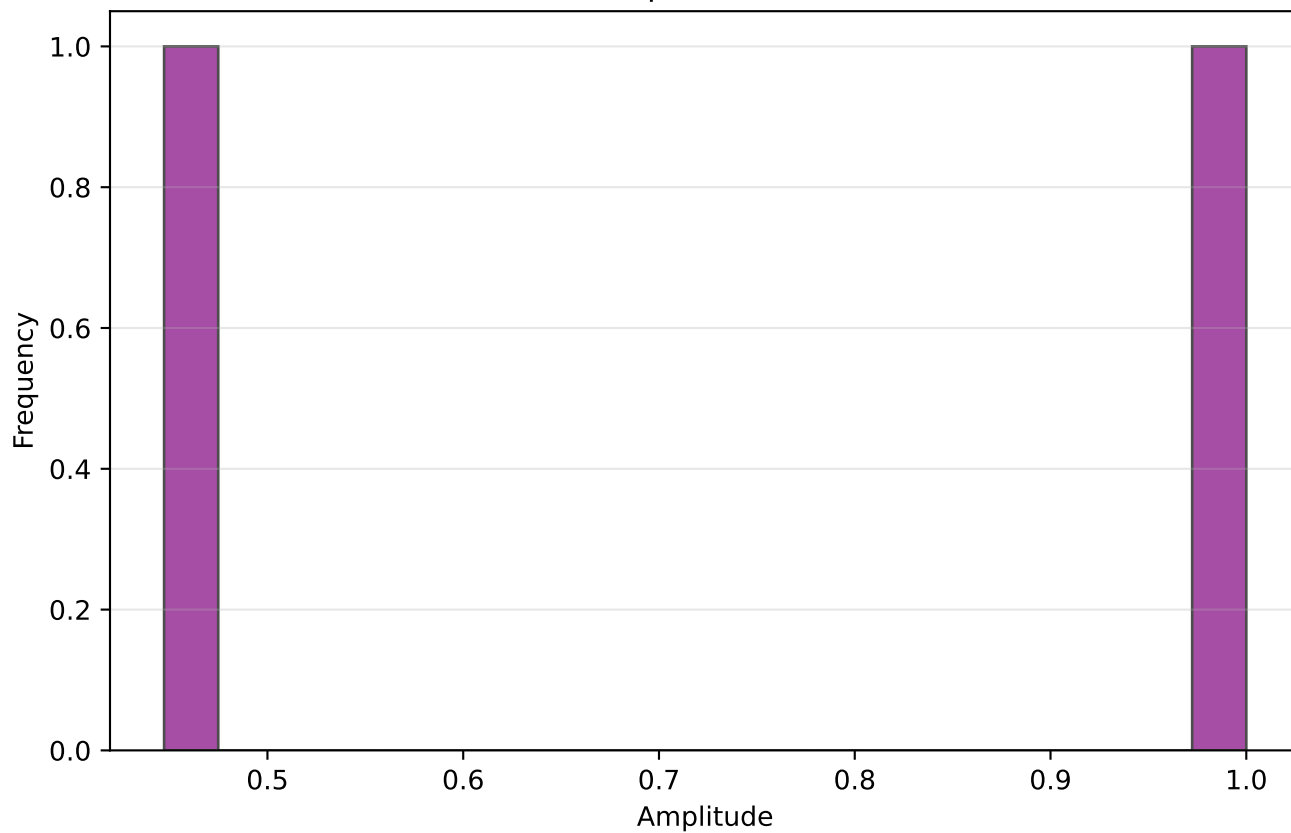
[MSG 9] Channel Capacity Analysis

SNR: 20.00 dB
Modulation: QAM-16
Bandwidth: 20.0 MHz
Signal Power: 2.78e-04 W
Noise Power: 2.78e-06 W
Shannon Capacity: 133.16 Mbps

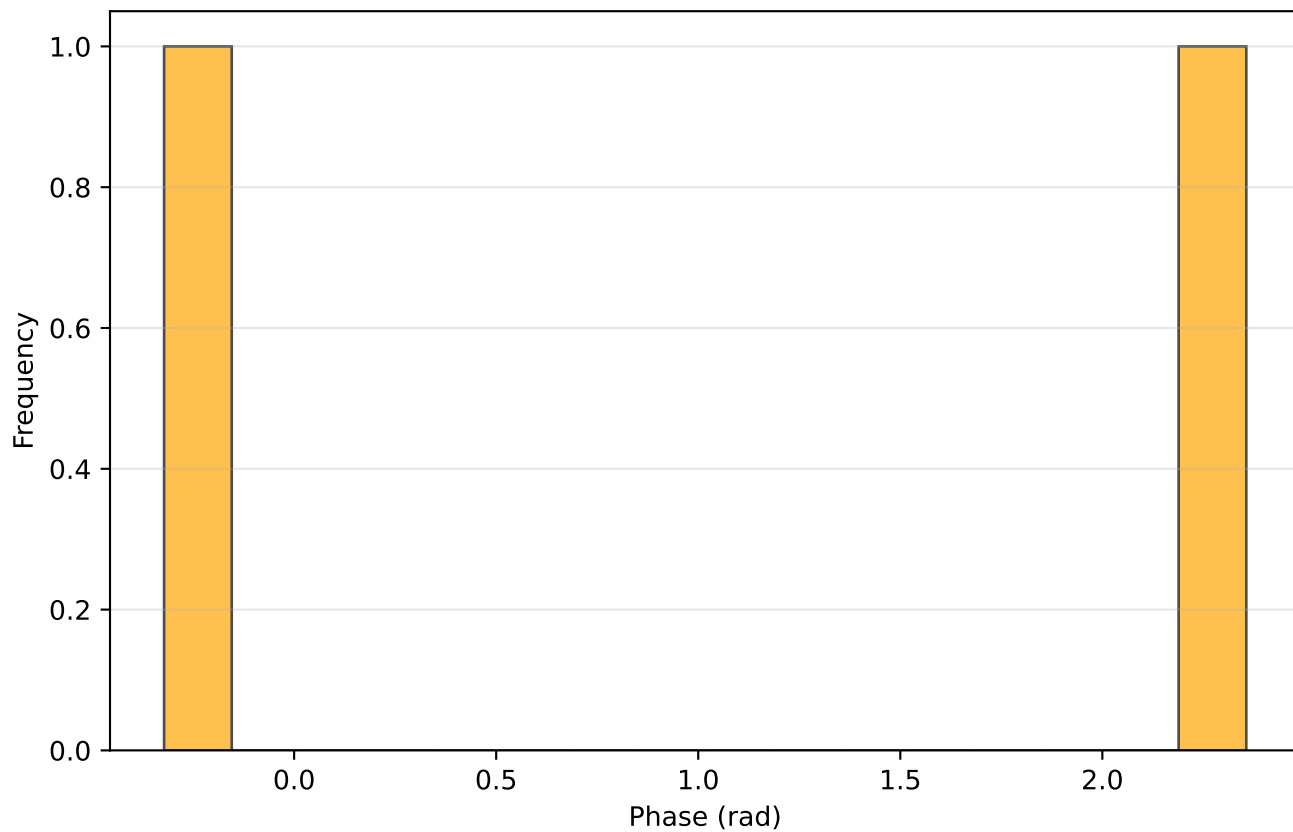
[MSG 9] R1 SNR Analysis

Est. SNR: 20.00 dB
Modulation: QAM-16
Signal Power: 2.78e-04

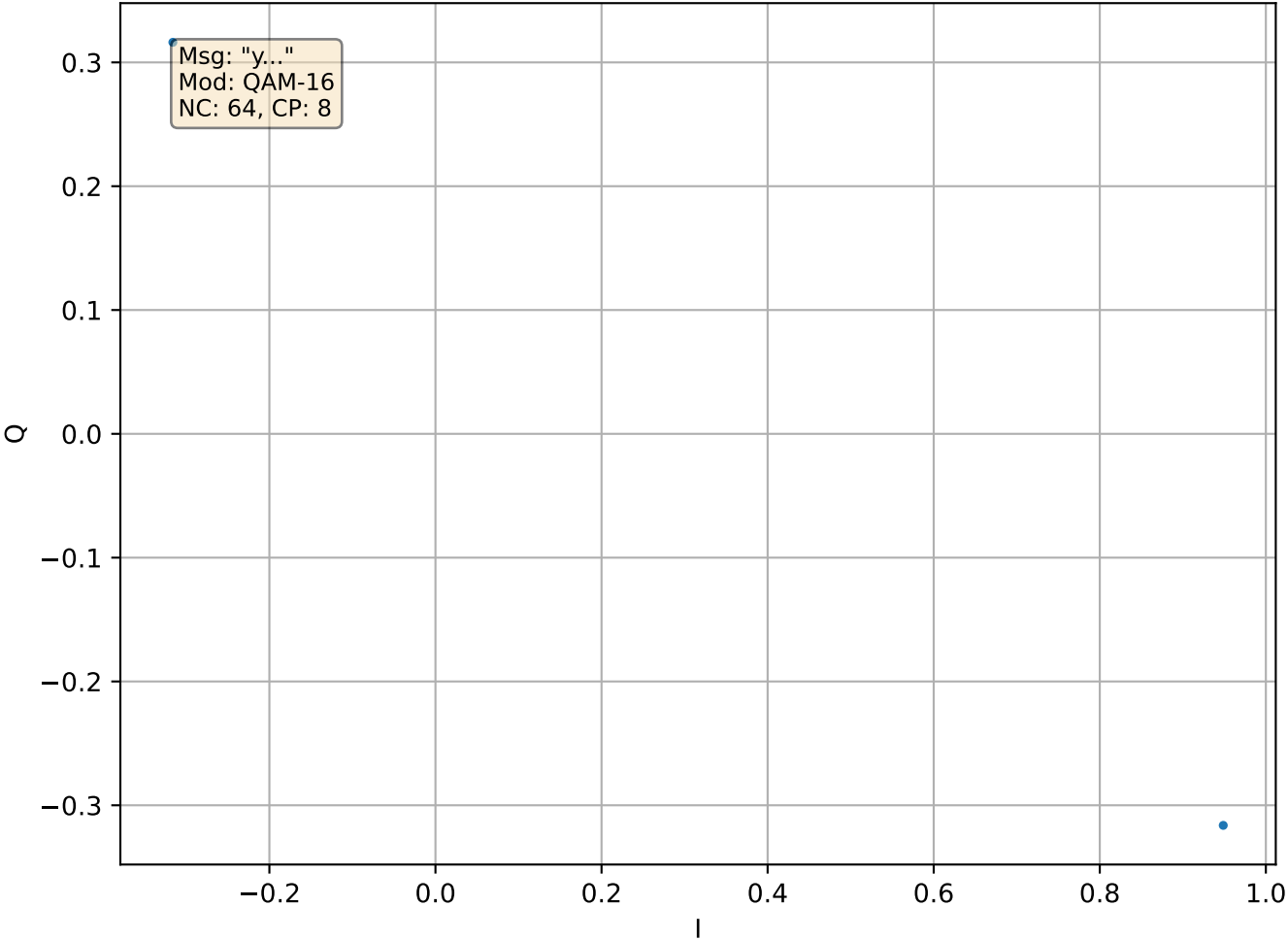
[MSG 9] Amplitude Distribution



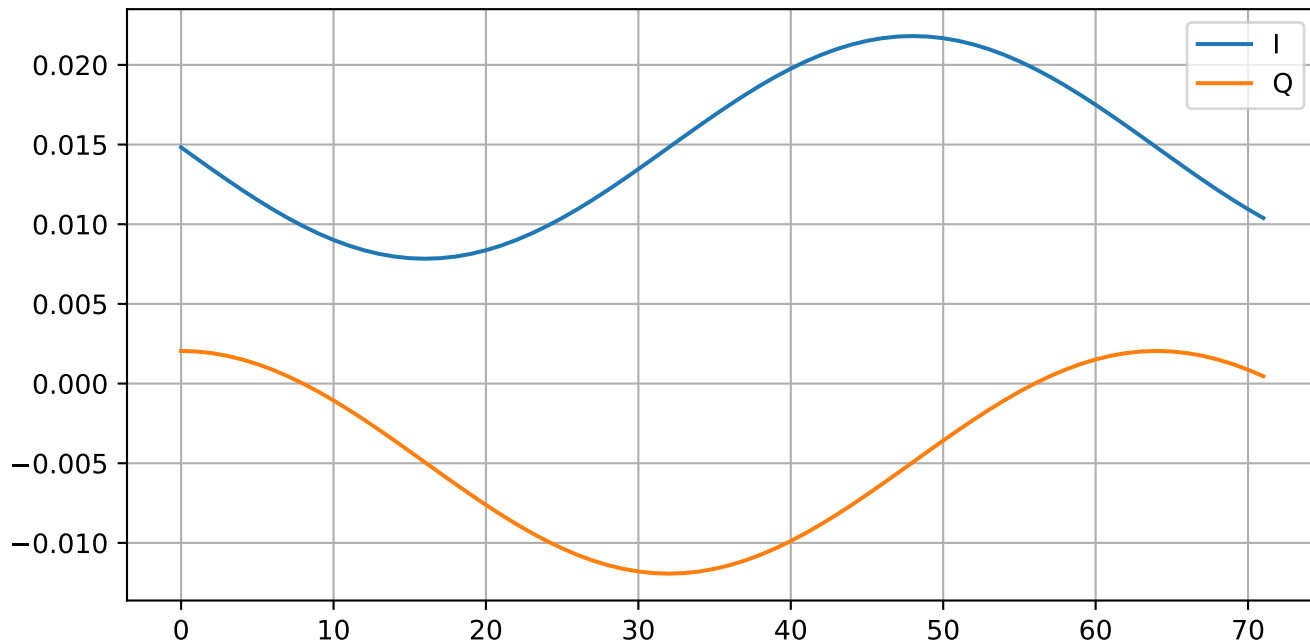
[MSG 9] Phase Distribution



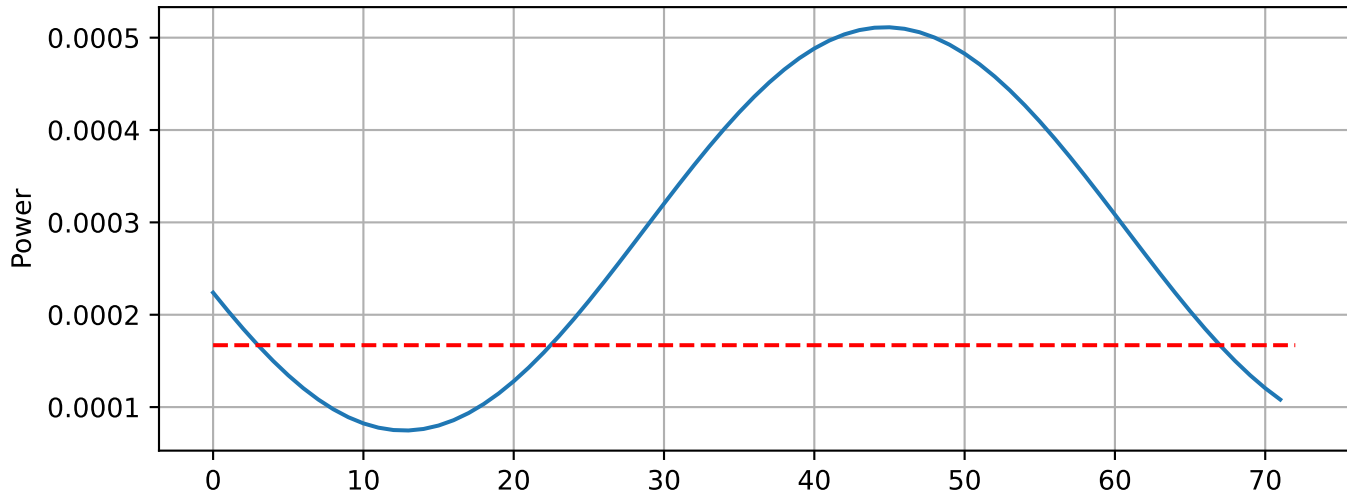
[MSG 10] R1 Constellation



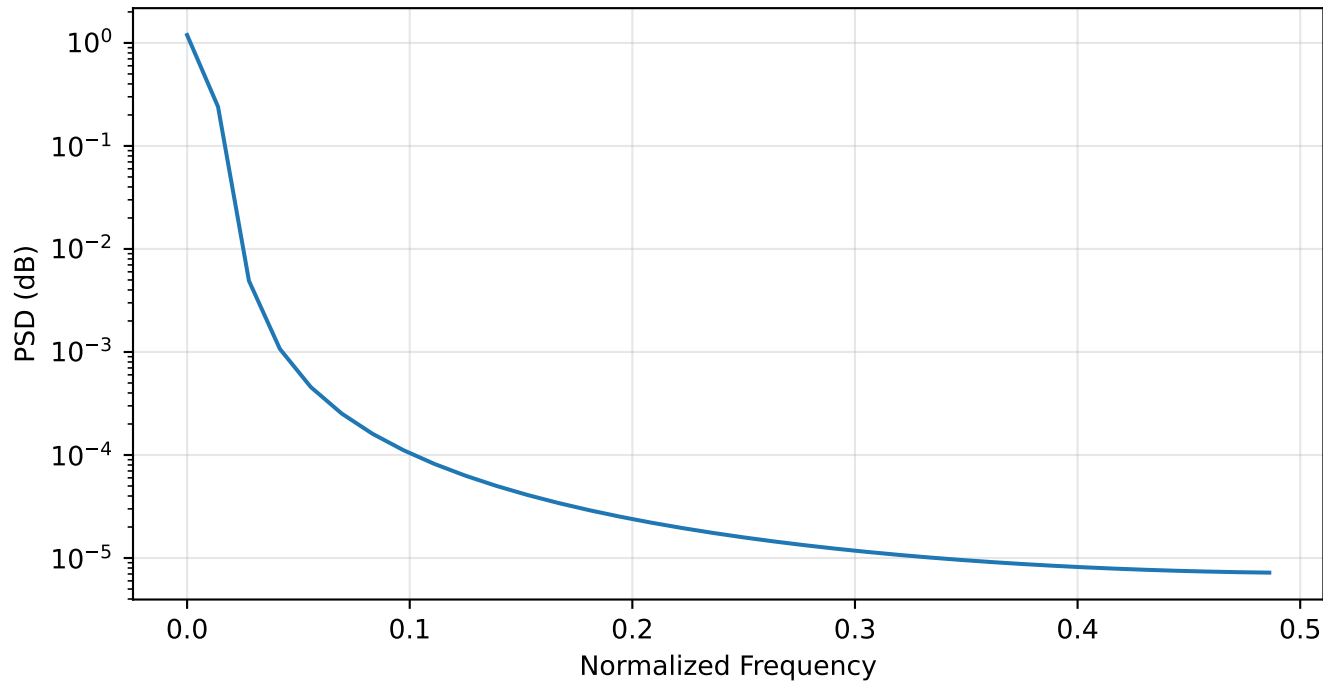
[MSG 10] R1 OFDM Time Domain



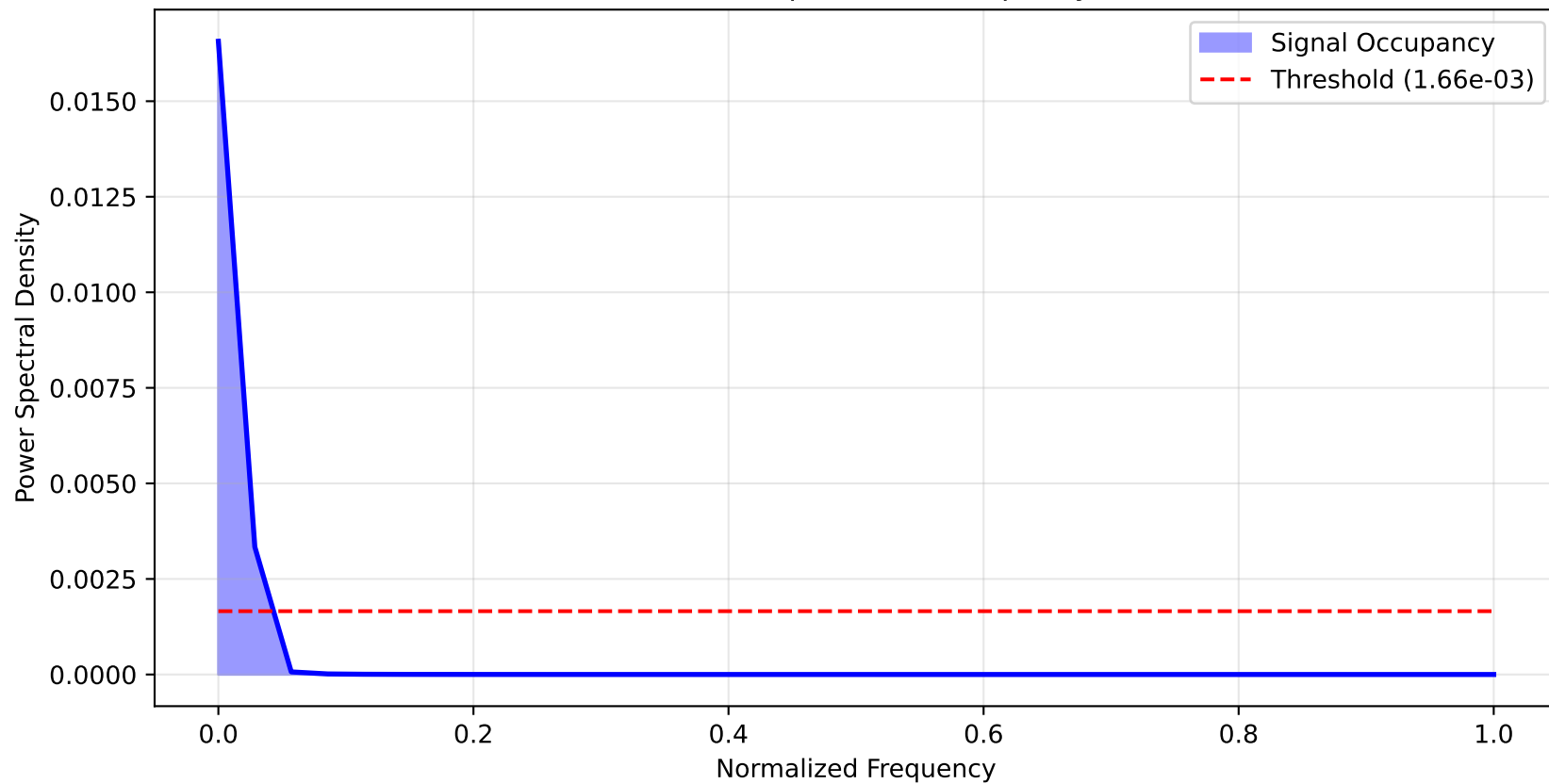
[MSG 10] R1 Power Envelope



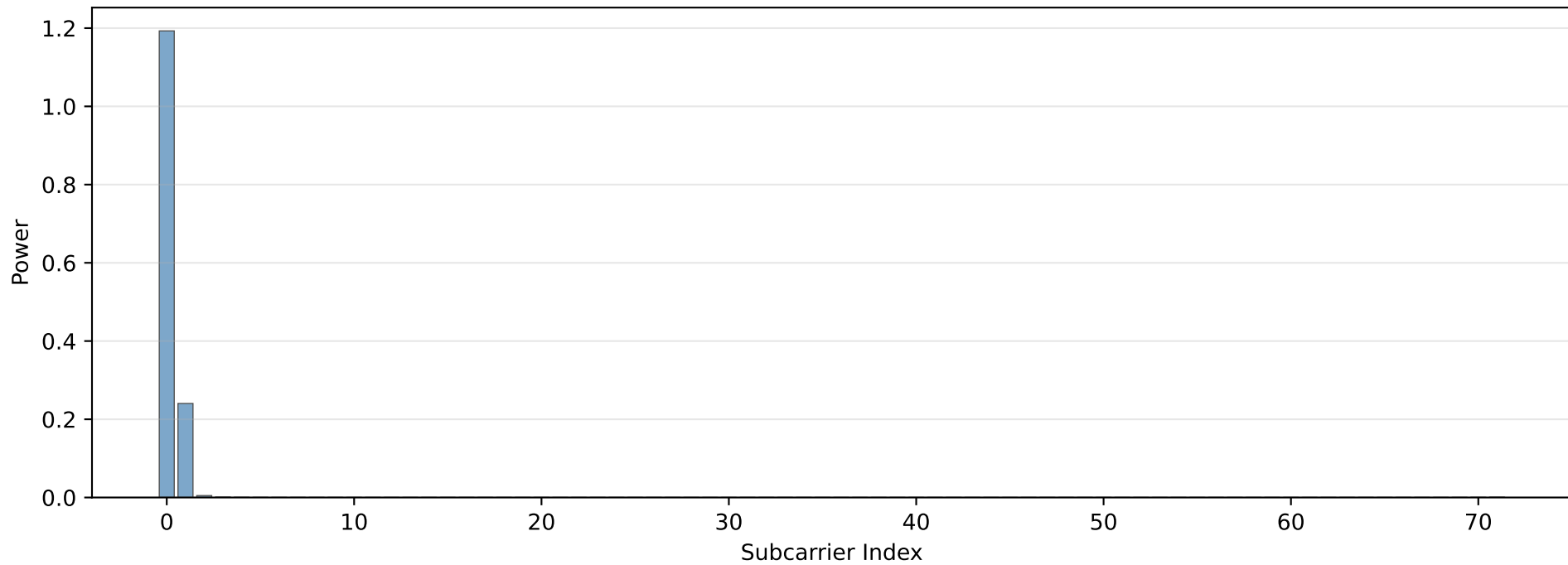
[MSG 10] R1 Power Spectral Density



[MSG 10] Spectrum Occupancy



[MSG 10] Subcarrier Power Distribution



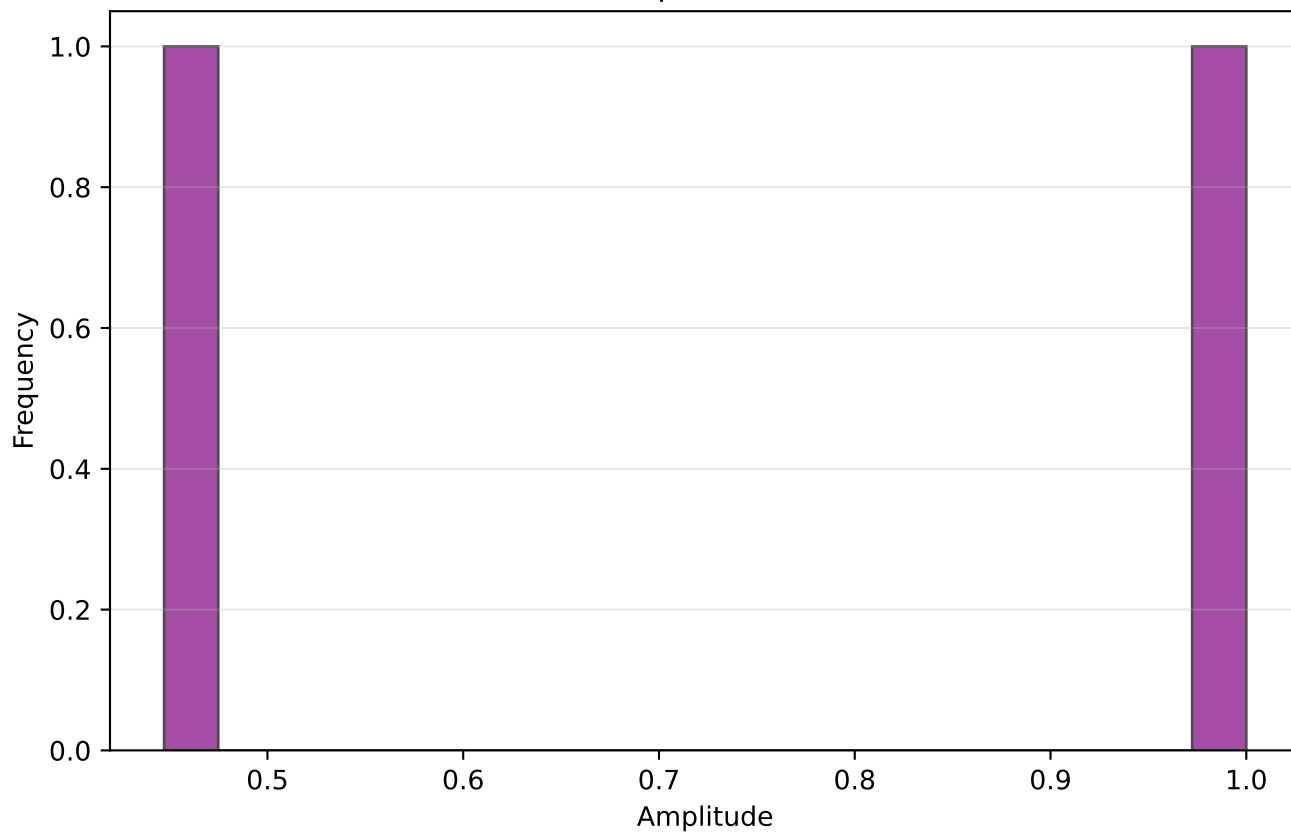
[MSG 10] Channel Capacity Analysis

SNR: 20.00 dB
Modulation: QAM-16
Bandwidth: 20.0 MHz
Signal Power: 2.78×10^{-4} W
Noise Power: 2.78×10^{-6} W
Shannon Capacity: 133.16 Mbps

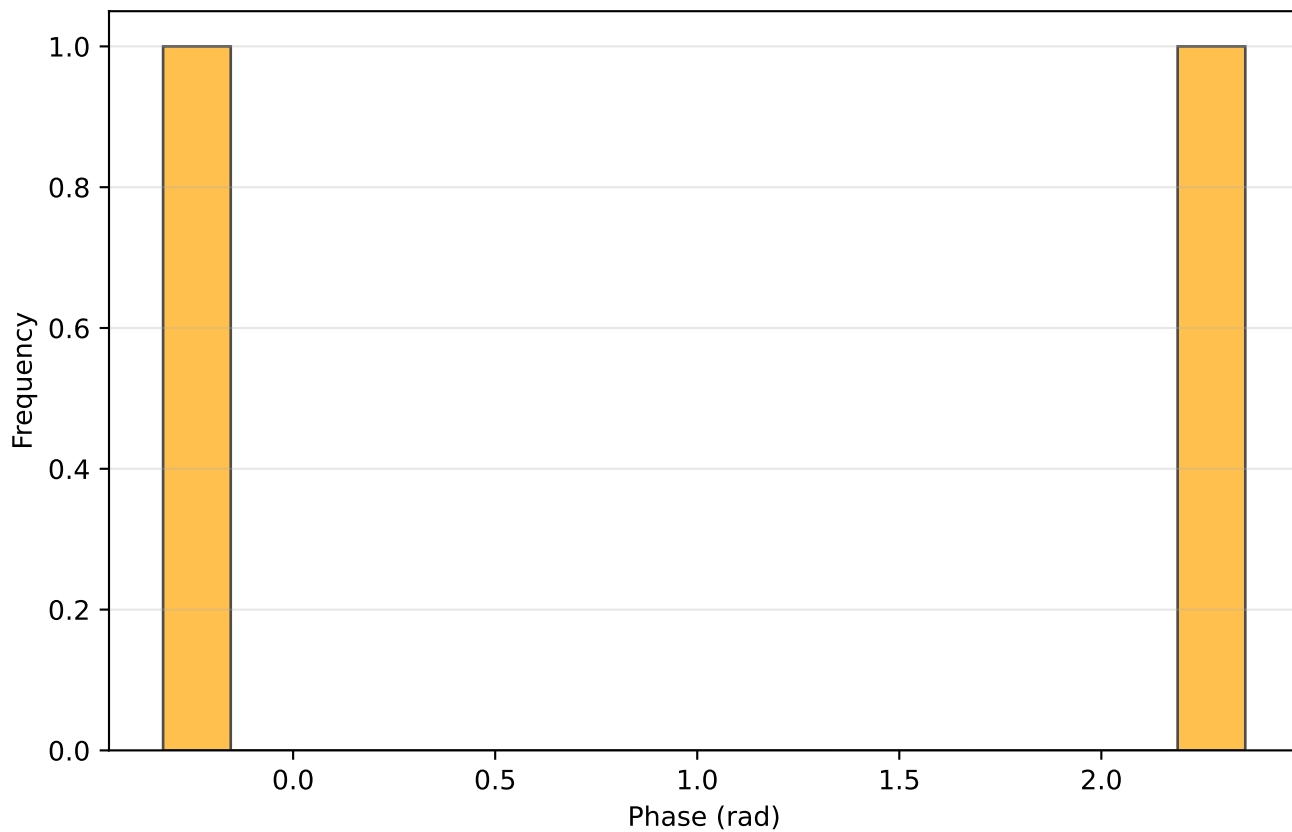
[MSG 10] R1 SNR Analysis

Est. SNR: 20.00 dB
Modulation: QAM-16
Signal Power: 2.78e-04

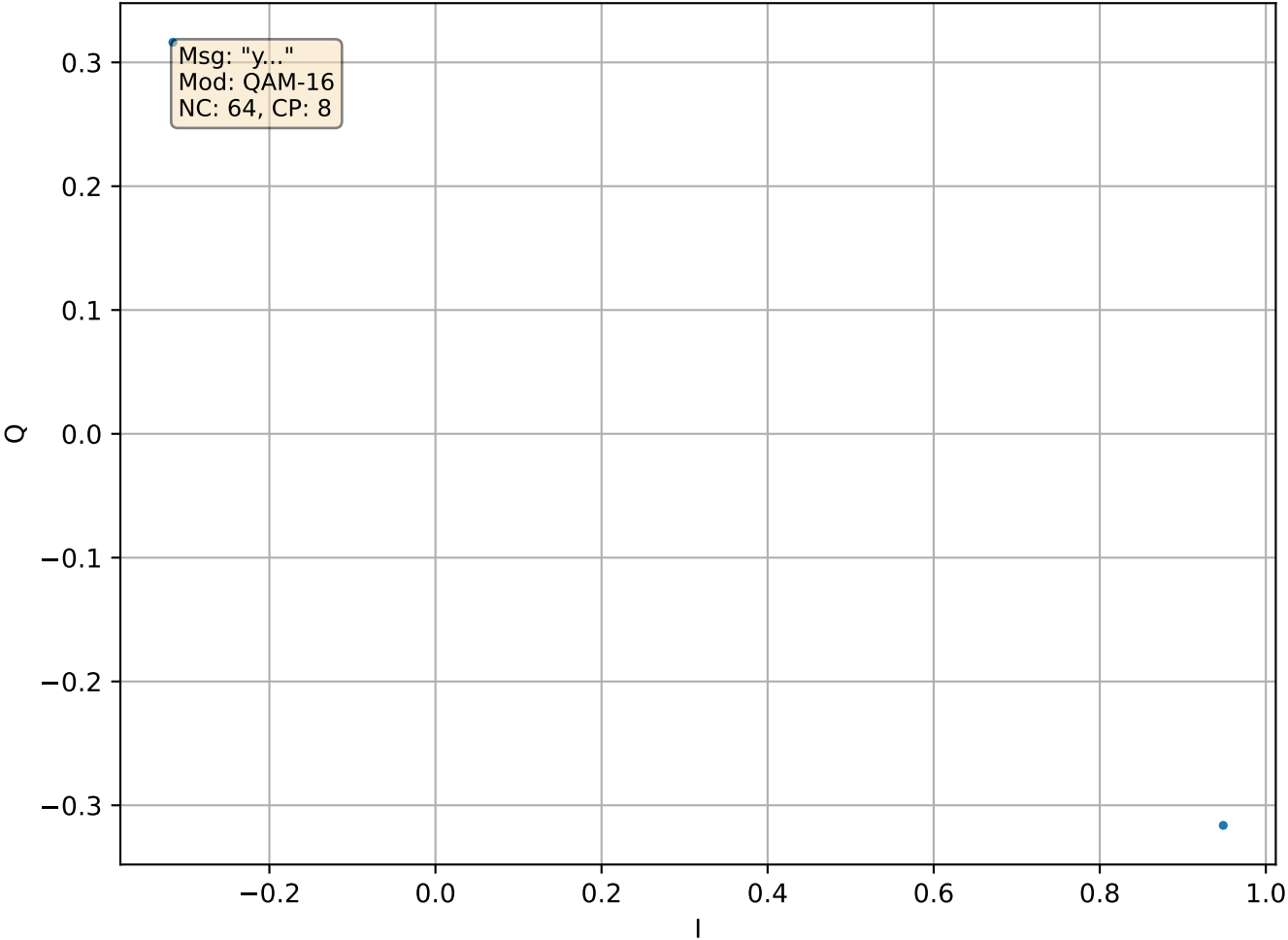
[MSG 10] Amplitude Distribution



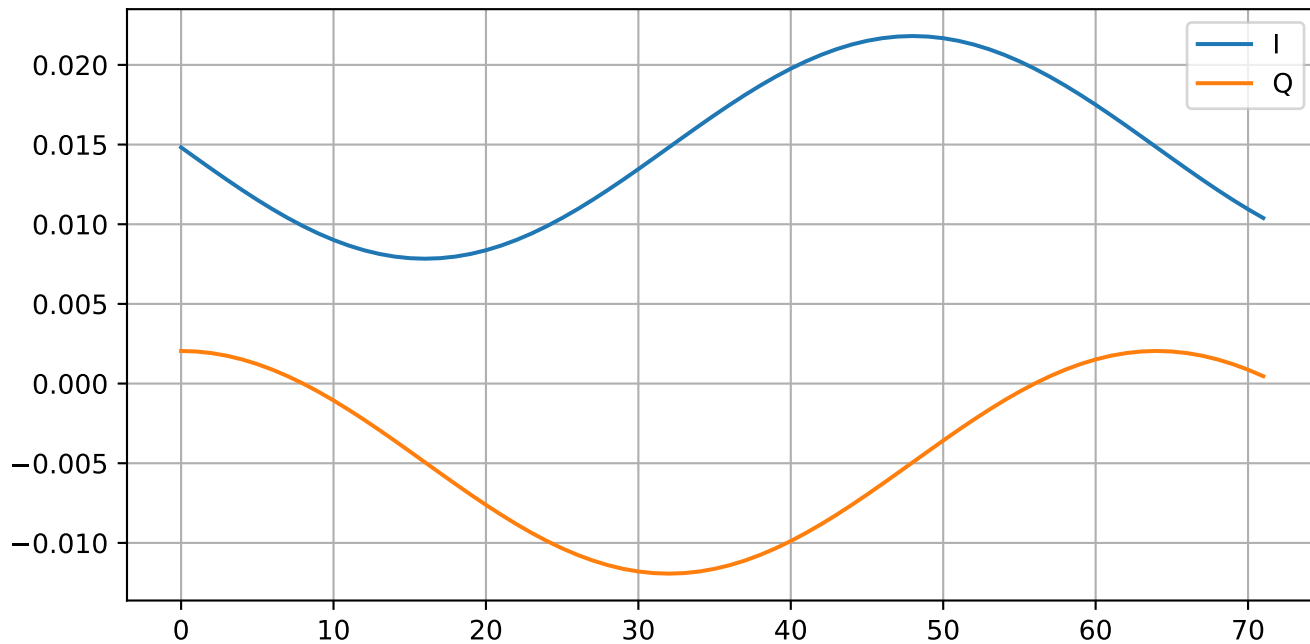
[MSG 10] Phase Distribution



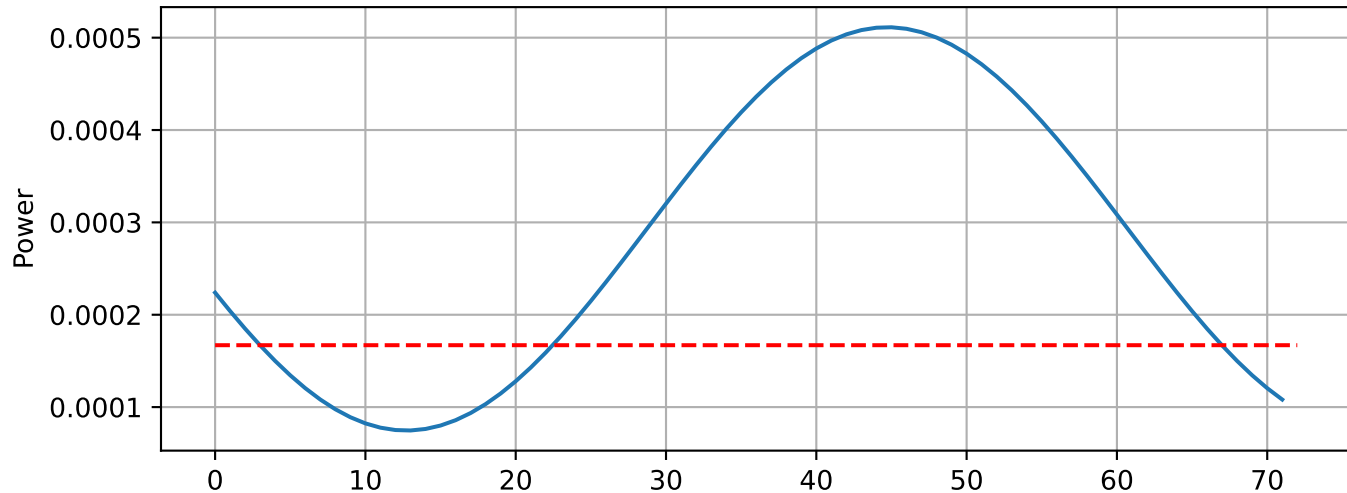
[MSG 11] R1 Constellation



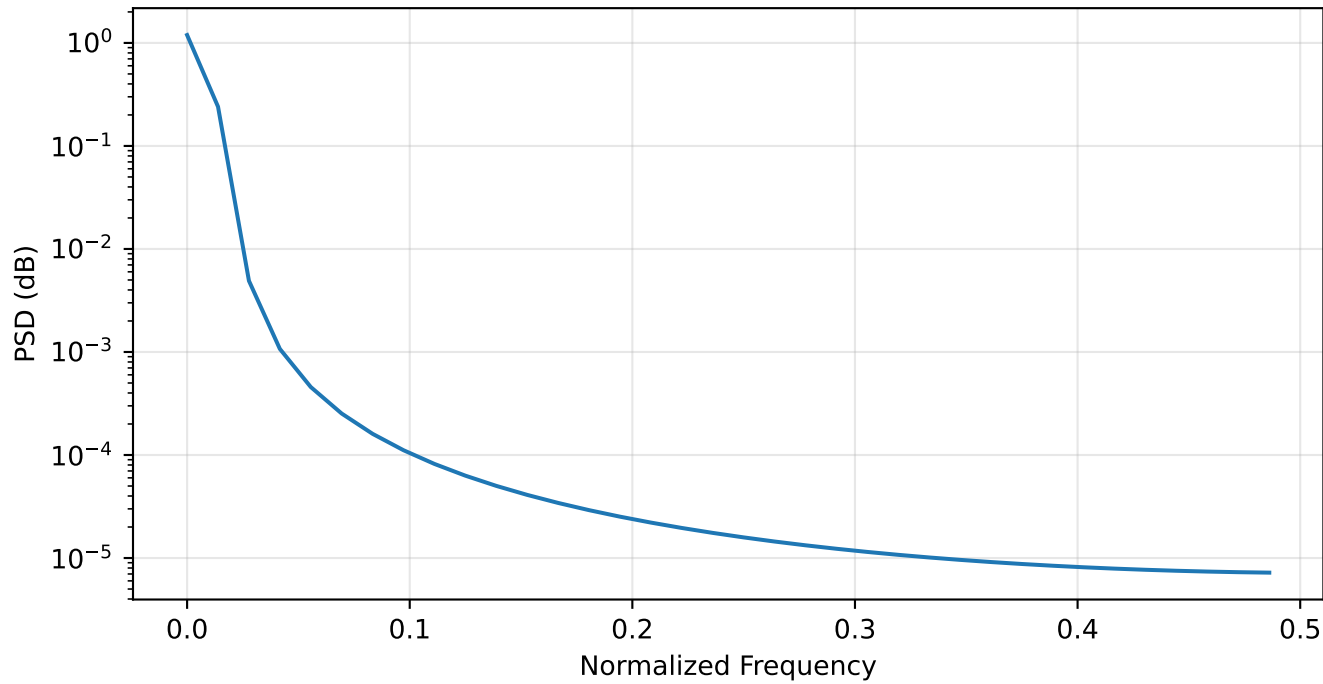
[MSG 11] R1 OFDM Time Domain



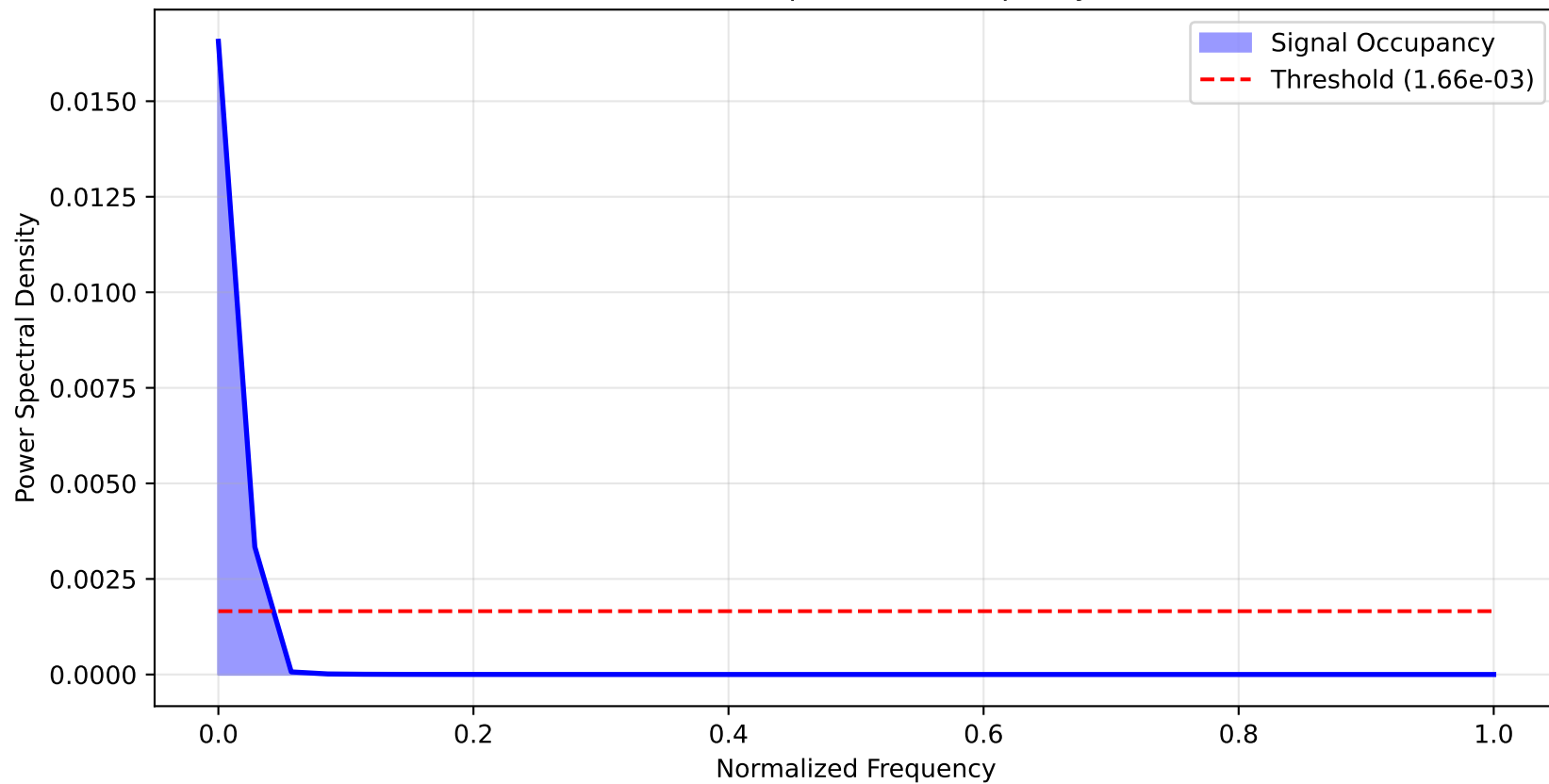
[MSG 11] R1 Power Envelope



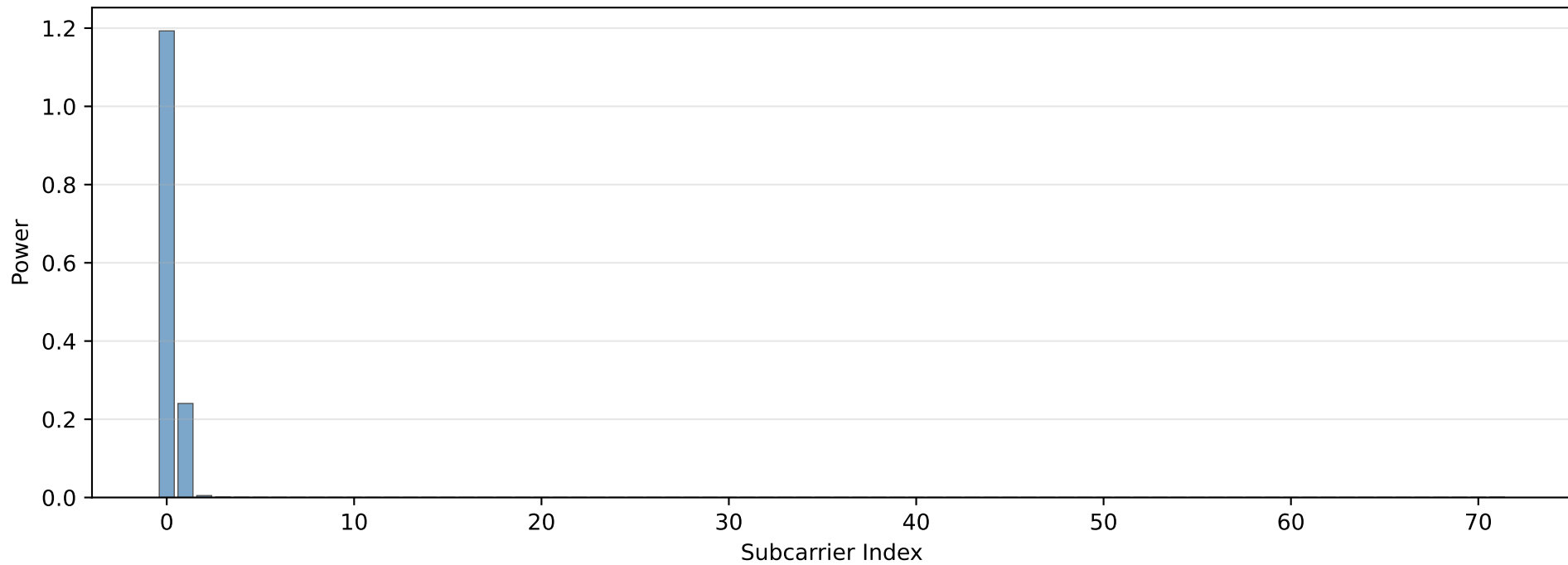
[MSG 11] R1 Power Spectral Density



[MSG 11] Spectrum Occupancy



[MSG 11] Subcarrier Power Distribution



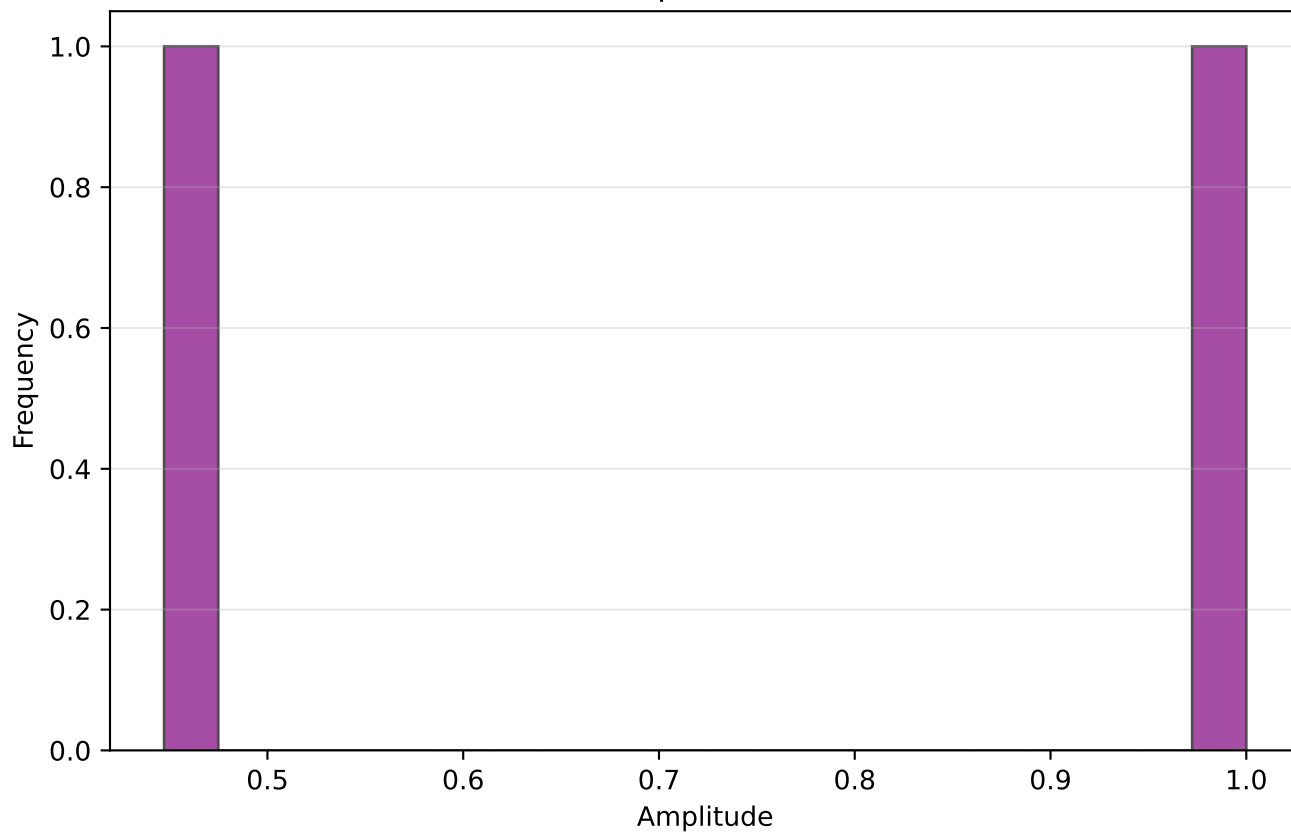
[MSG 11] Channel Capacity Analysis

SNR: 20.00 dB
Modulation: QAM-16
Bandwidth: 20.0 MHz
Signal Power: 2.78e-04 W
Noise Power: 2.78e-06 W
Shannon Capacity: 133.16 Mbps

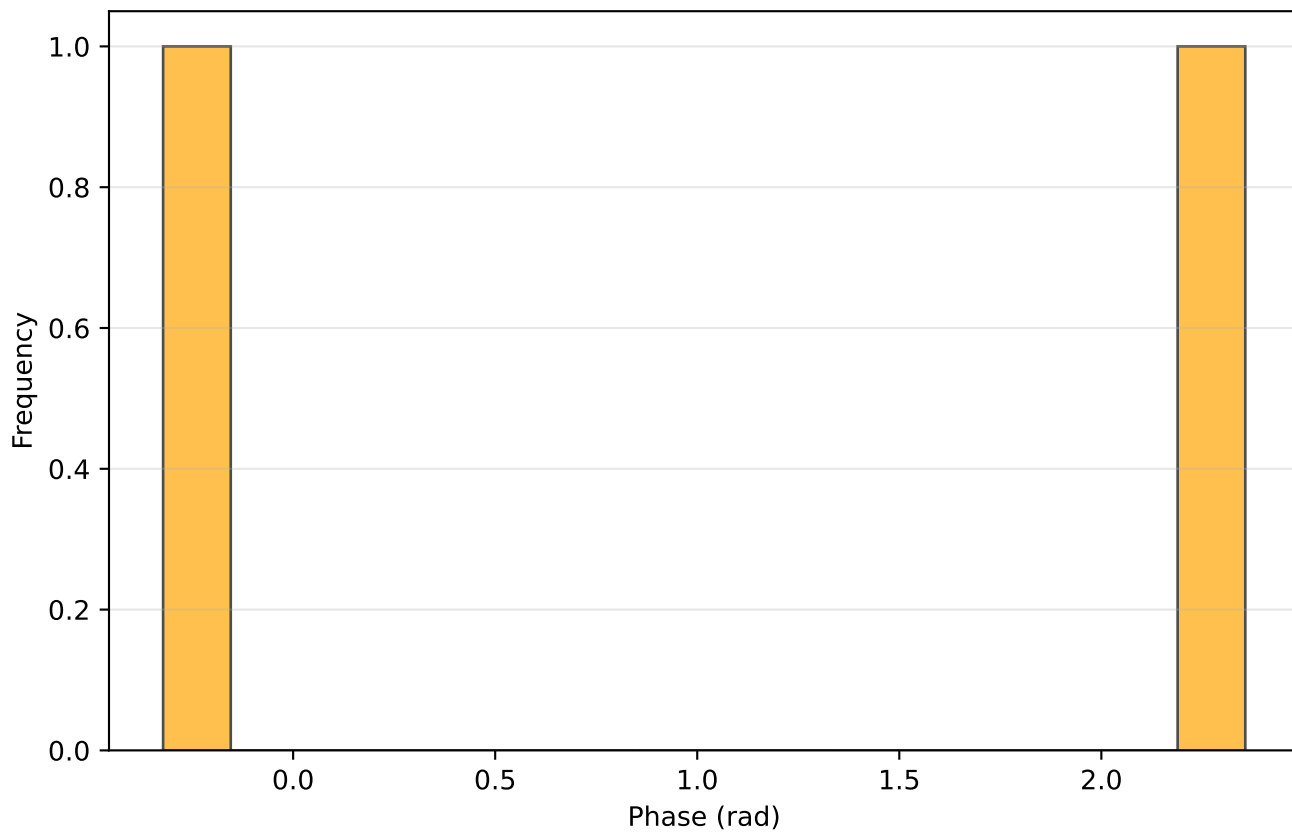
[MSG 11] R1 SNR Analysis

Est. SNR: 20.00 dB
Modulation: QAM-16
Signal Power: 2.78e-04

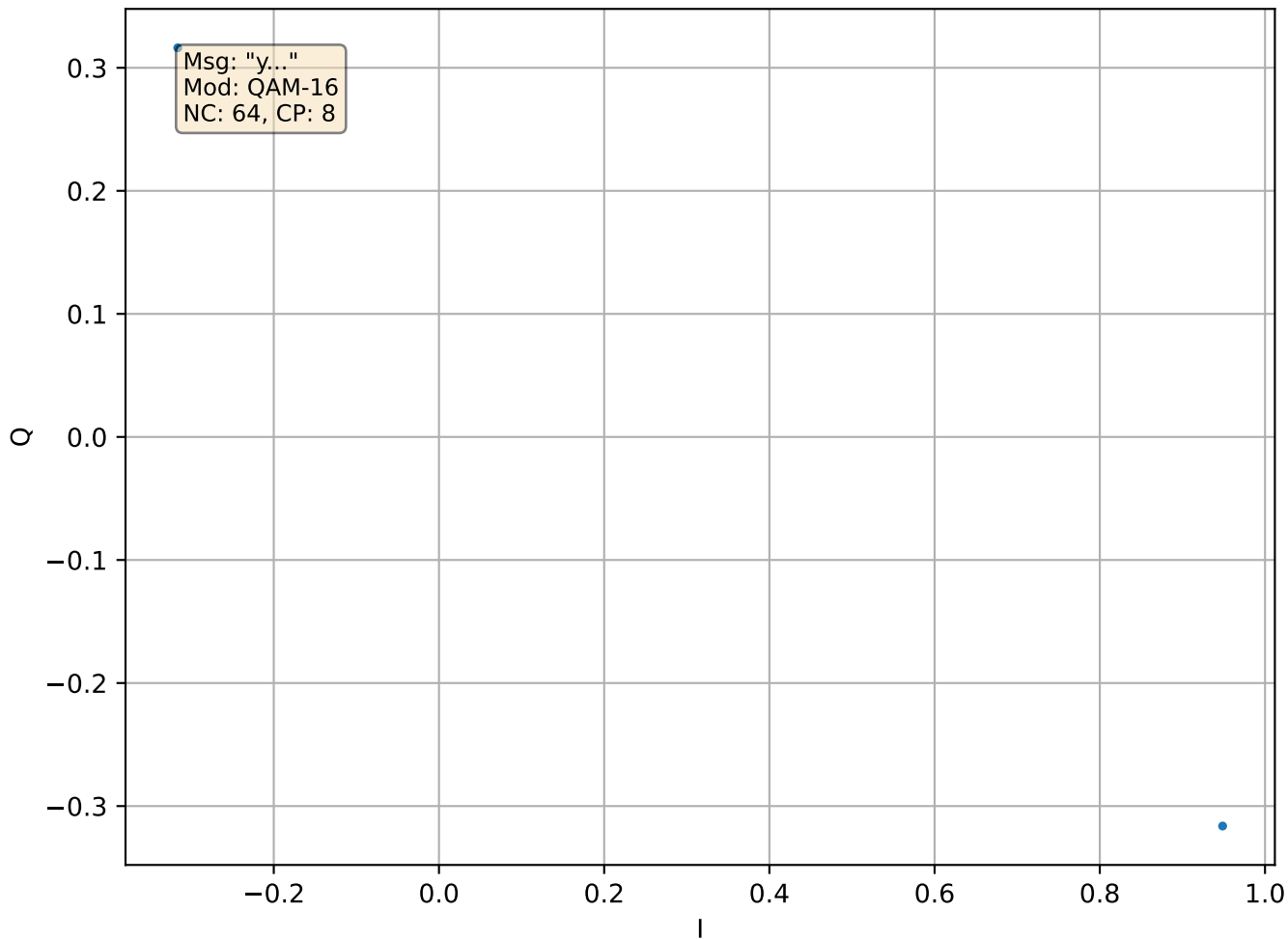
[MSG 11] Amplitude Distribution



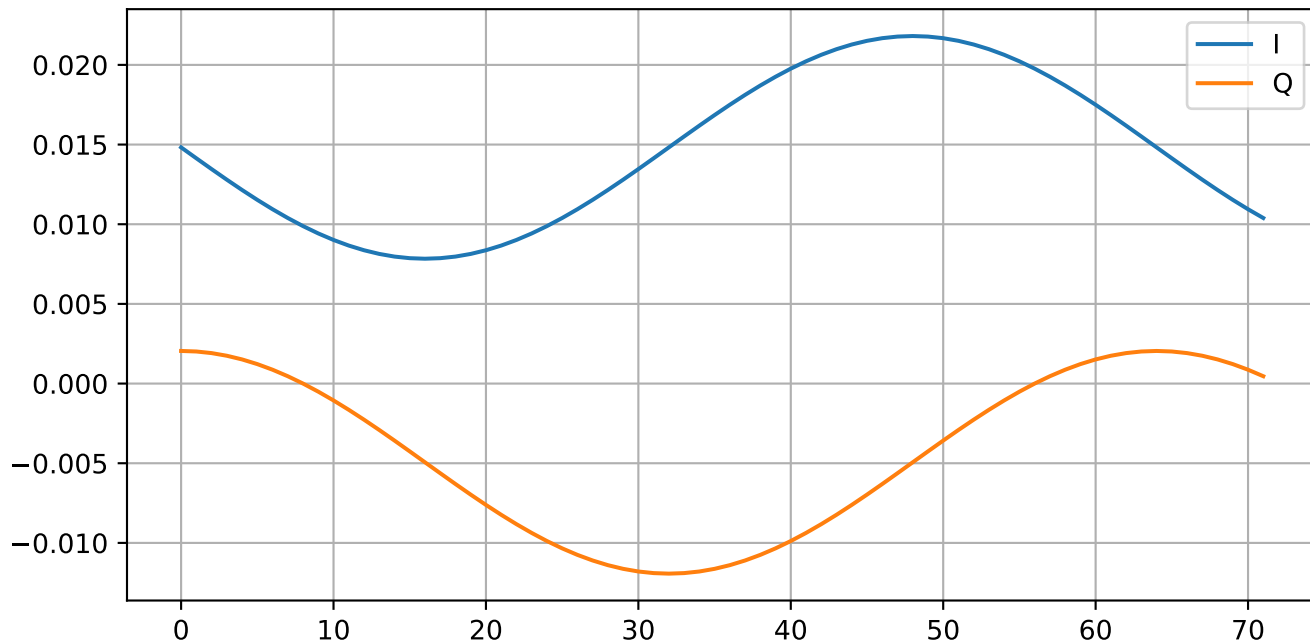
[MSG 11] Phase Distribution



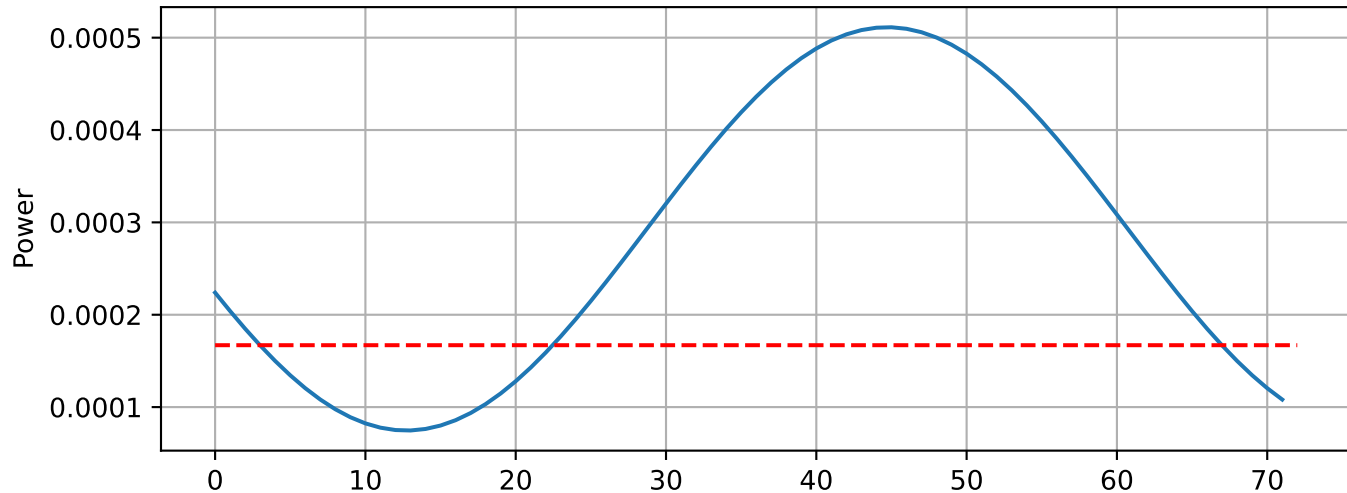
[MSG 12] R1 Constellation



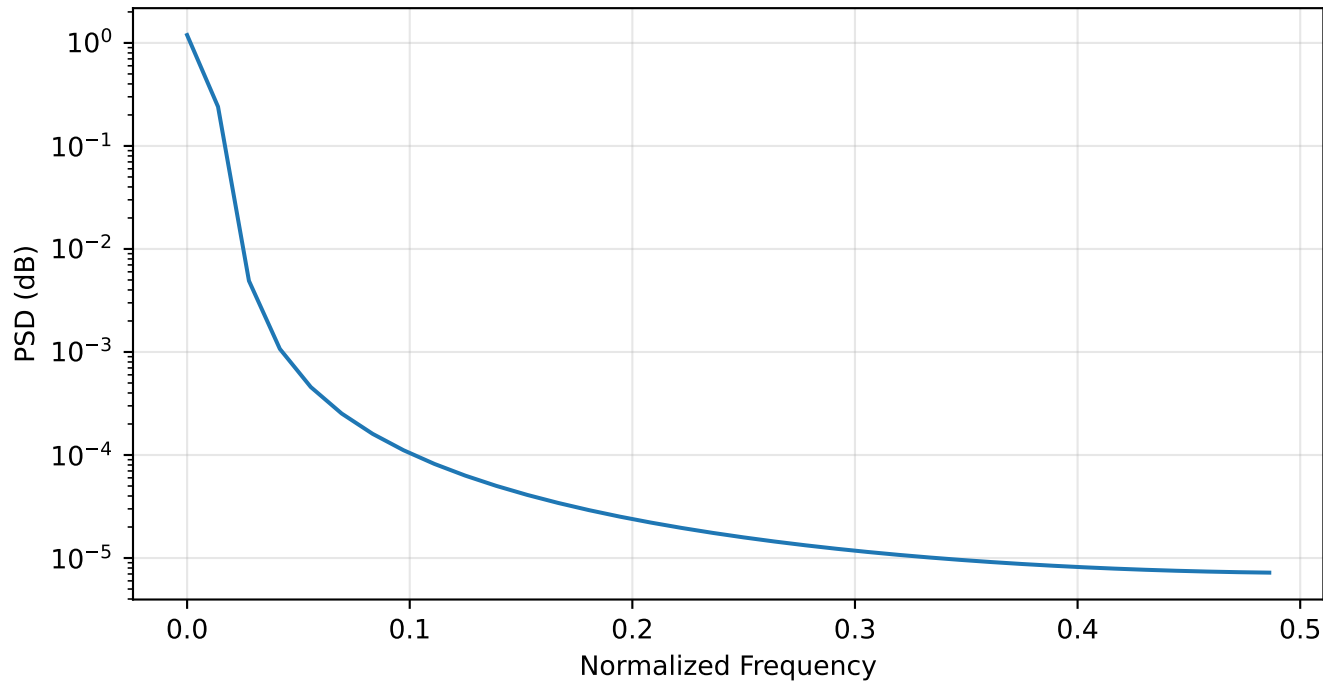
[MSG 12] R1 OFDM Time Domain



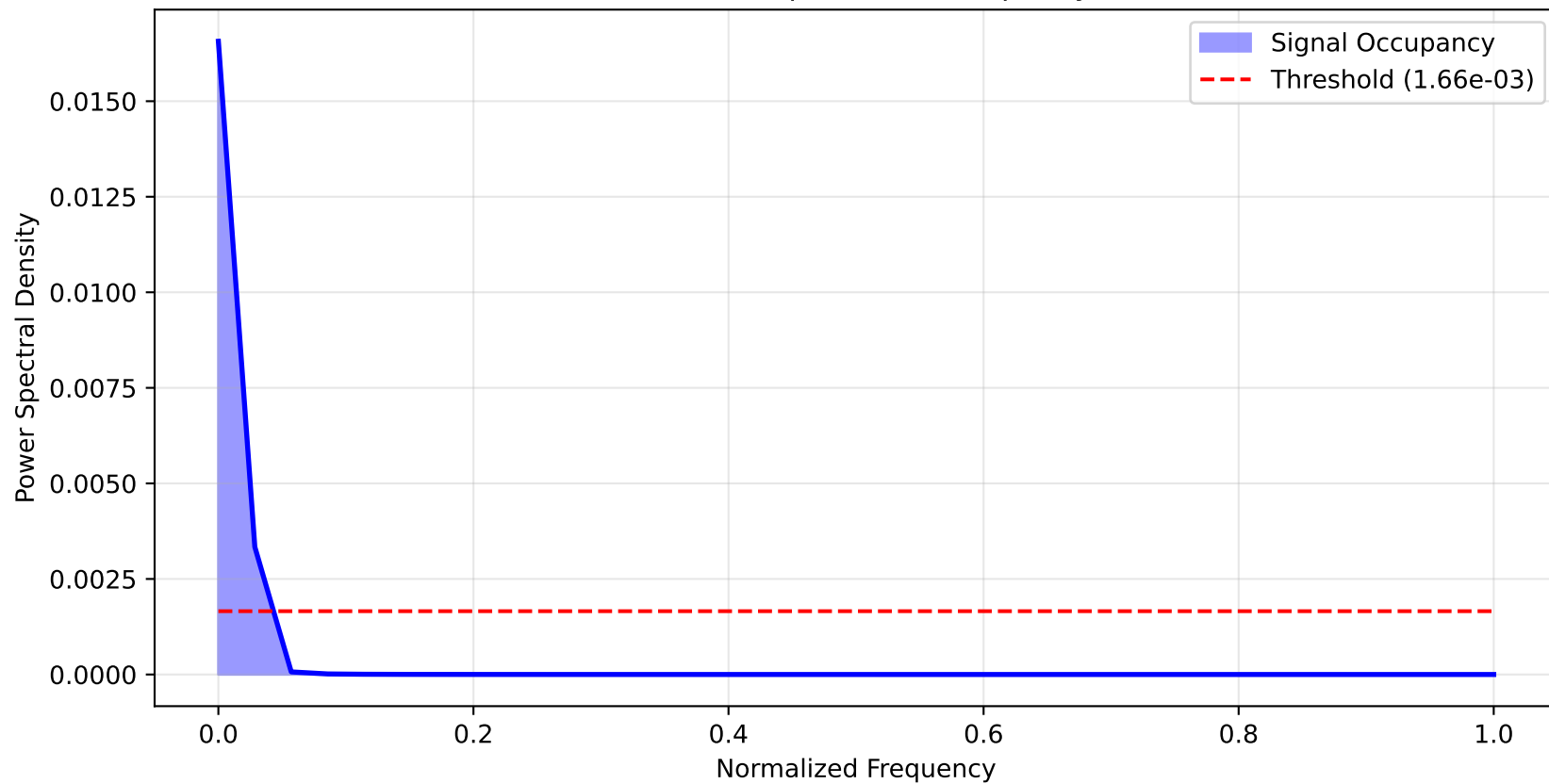
[MSG 12] R1 Power Envelope



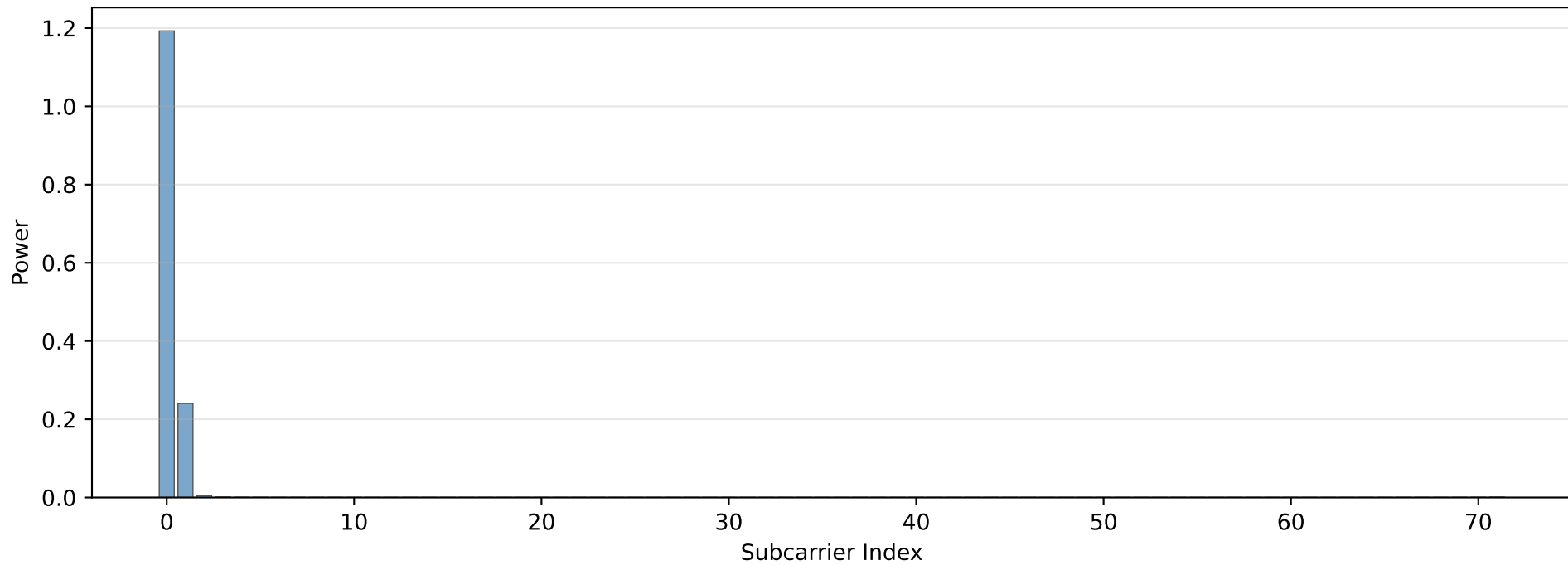
[MSG 12] R1 Power Spectral Density



[MSG 12] Spectrum Occupancy



[MSG 12] Subcarrier Power Distribution



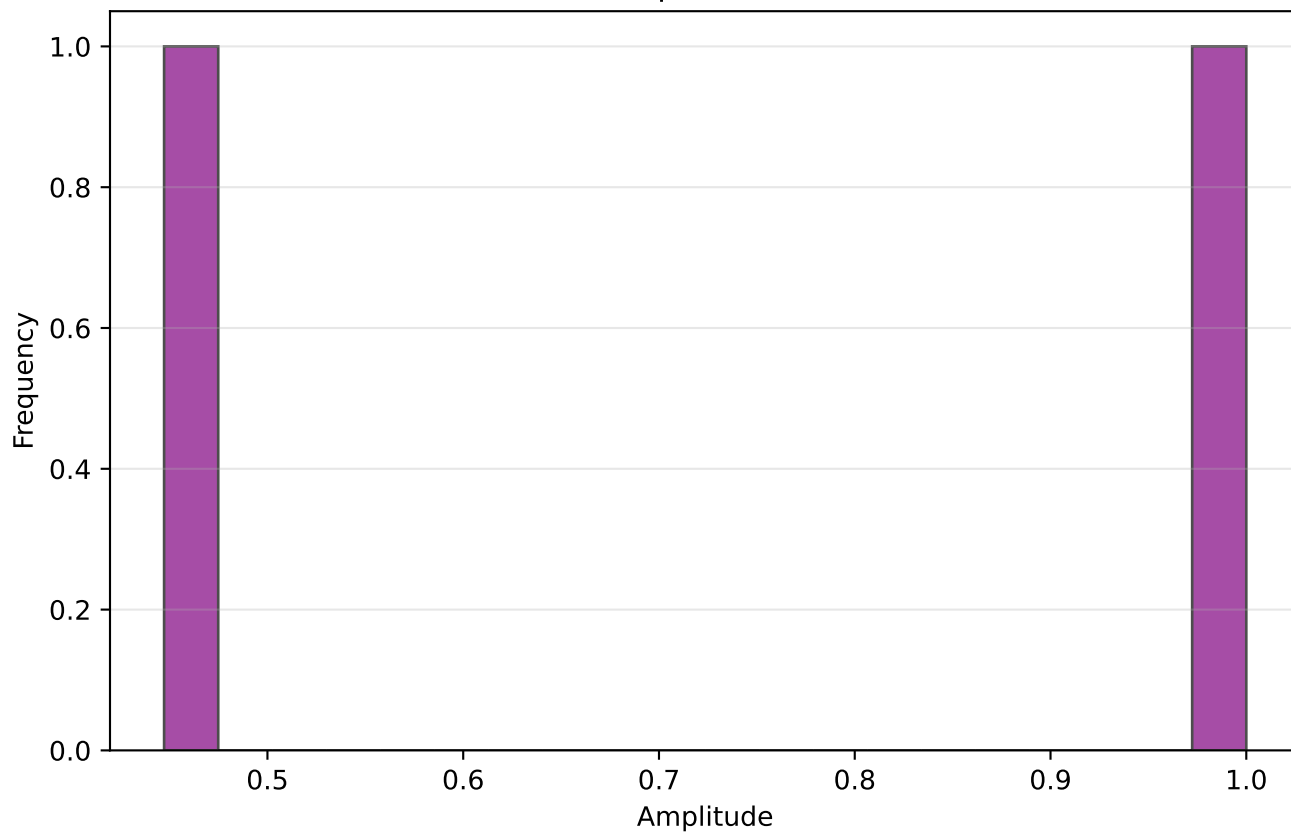
[MSG 12] Channel Capacity Analysis

SNR: 20.00 dB
Modulation: QAM-16
Bandwidth: 20.0 MHz
Signal Power: 2.78×10^{-4} W
Noise Power: 2.78×10^{-6} W
Shannon Capacity: 133.16 Mbps

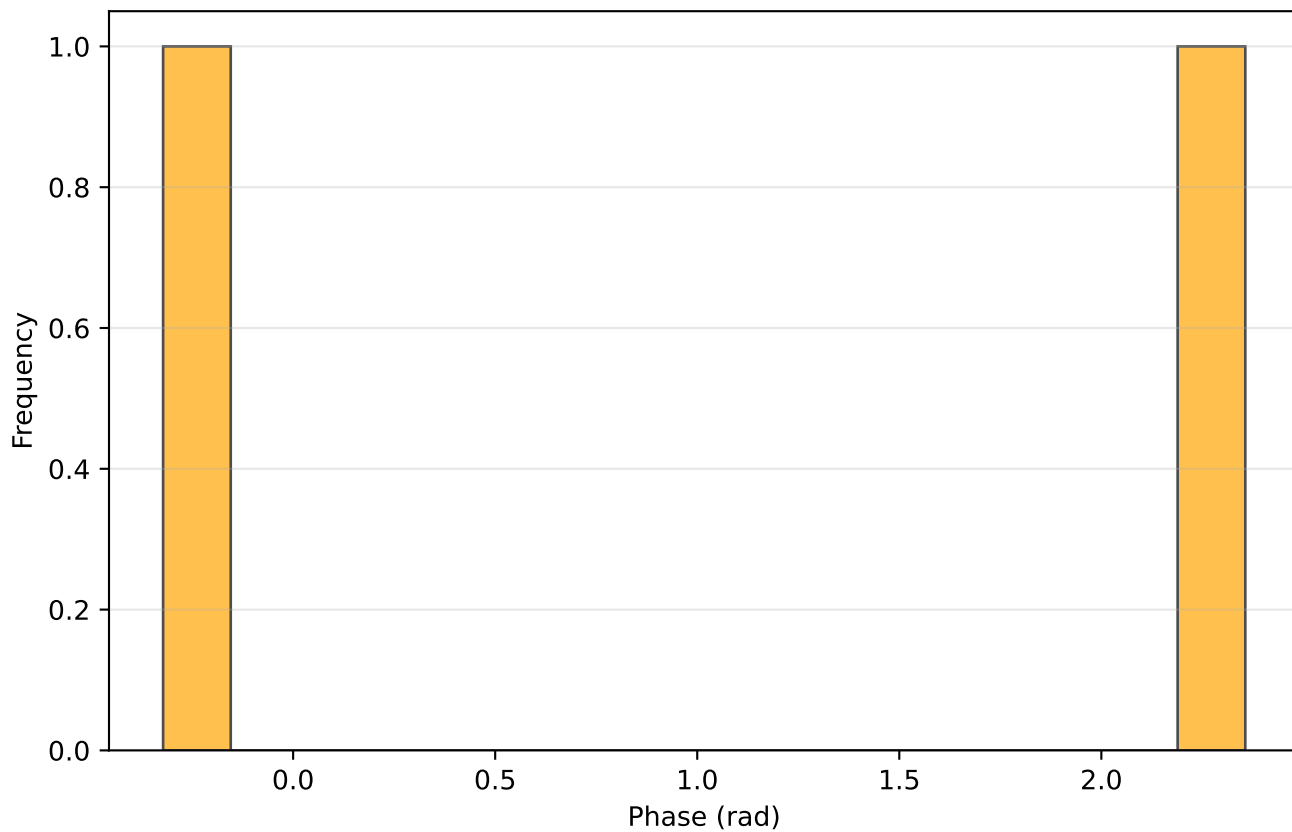
[MSG 12] R1 SNR Analysis

Est. SNR: 20.00 dB
Modulation: QAM-16
Signal Power: 2.78e-04

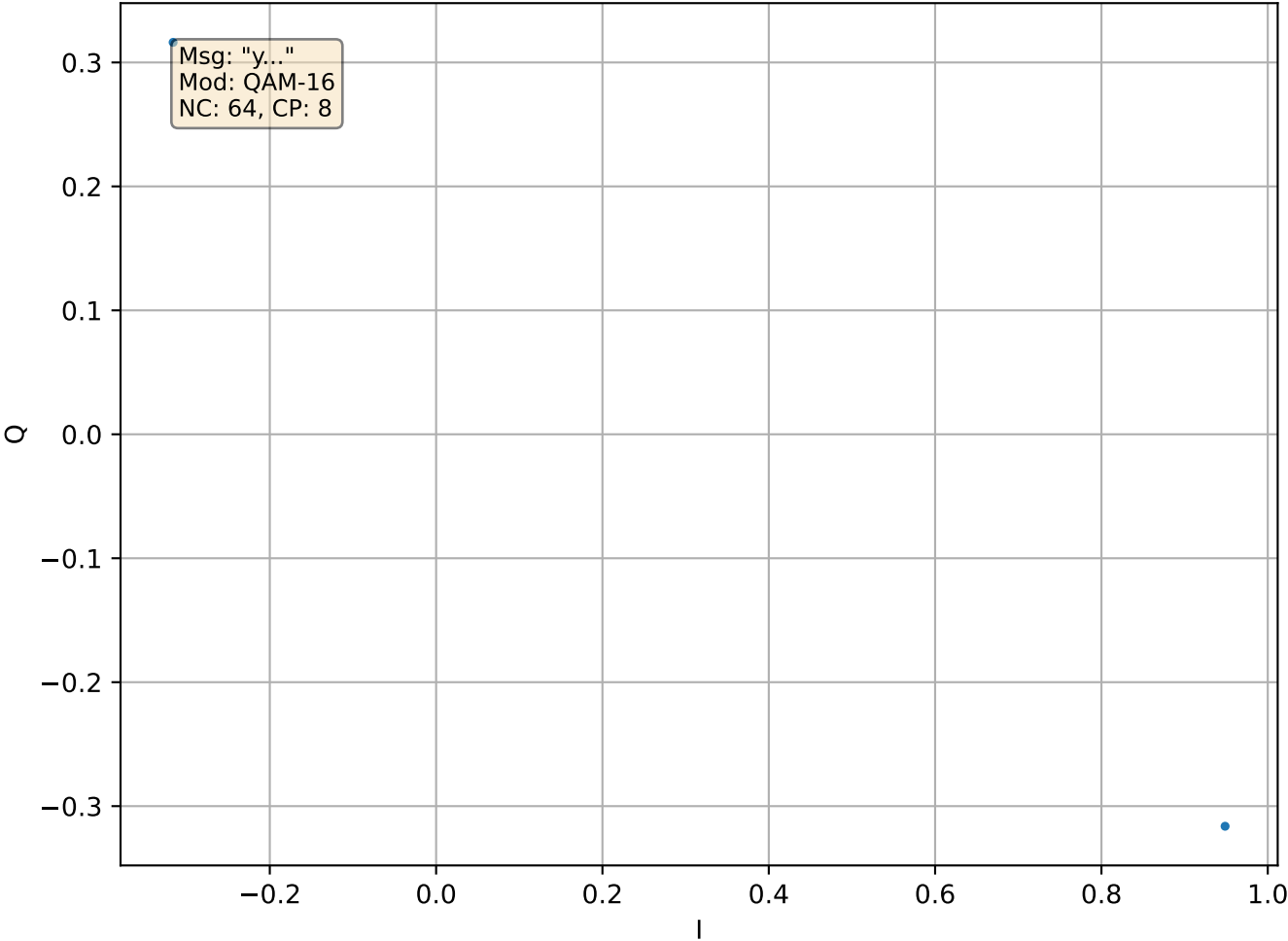
[MSG 12] Amplitude Distribution



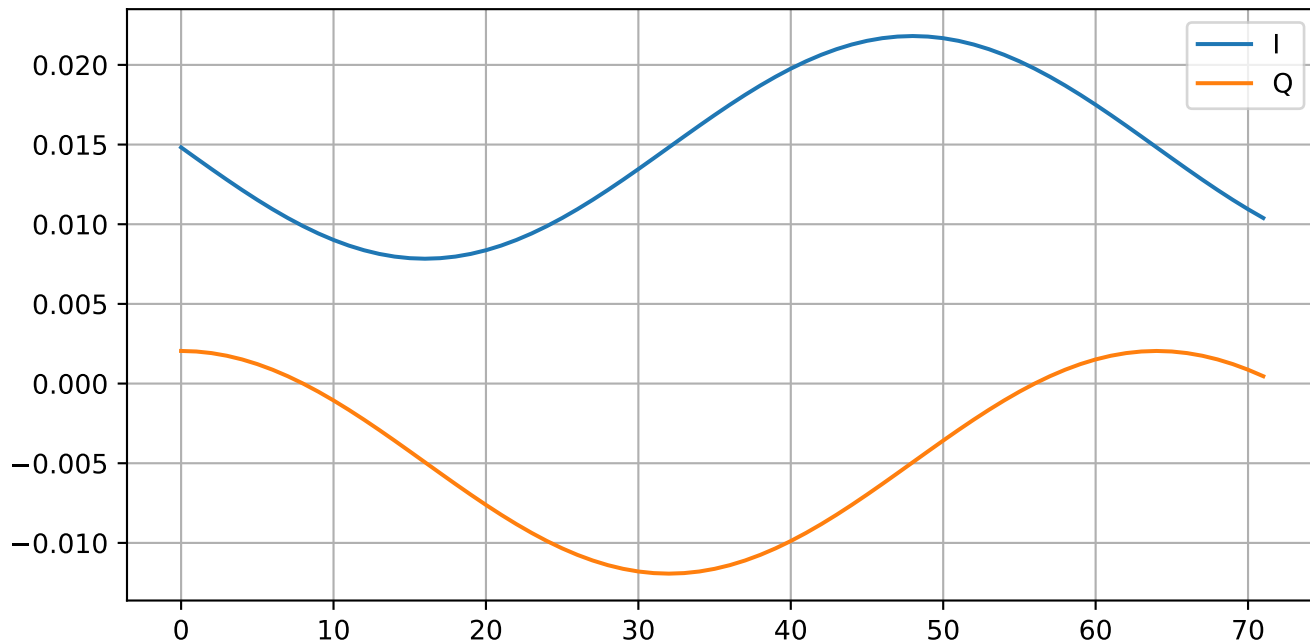
[MSG 12] Phase Distribution



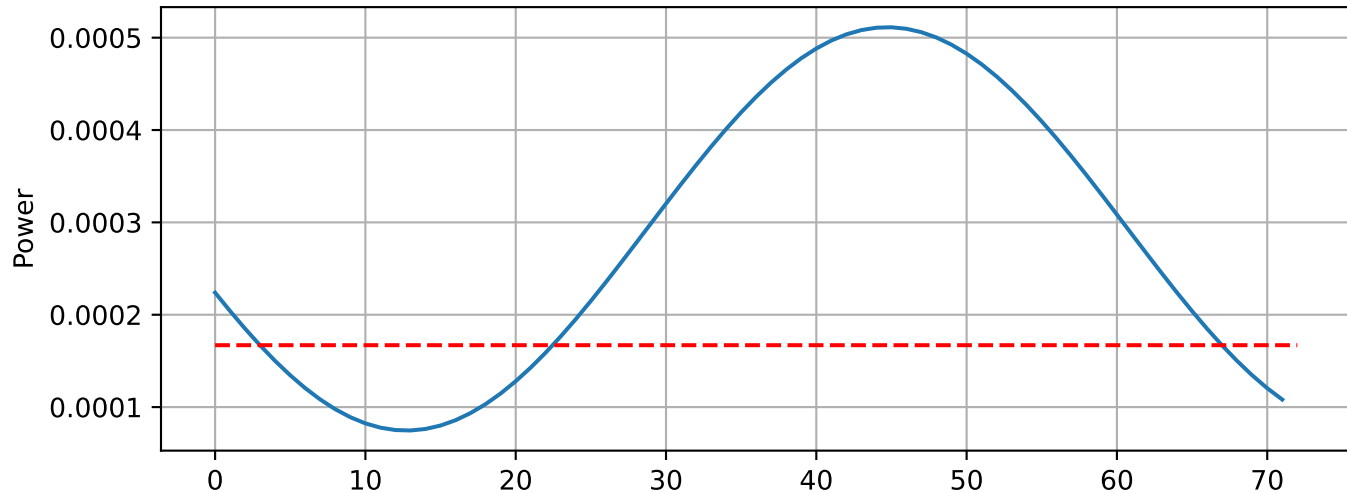
[MSG 13] R1 Constellation



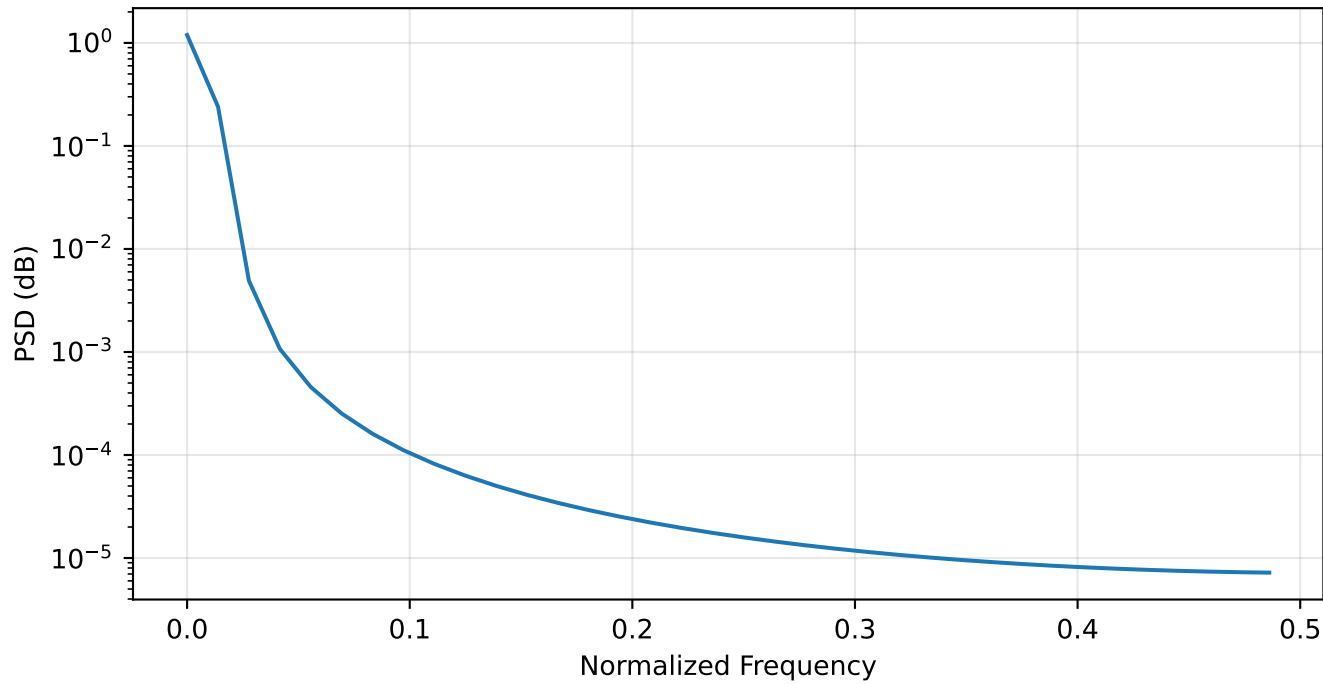
[MSG 13] R1 OFDM Time Domain



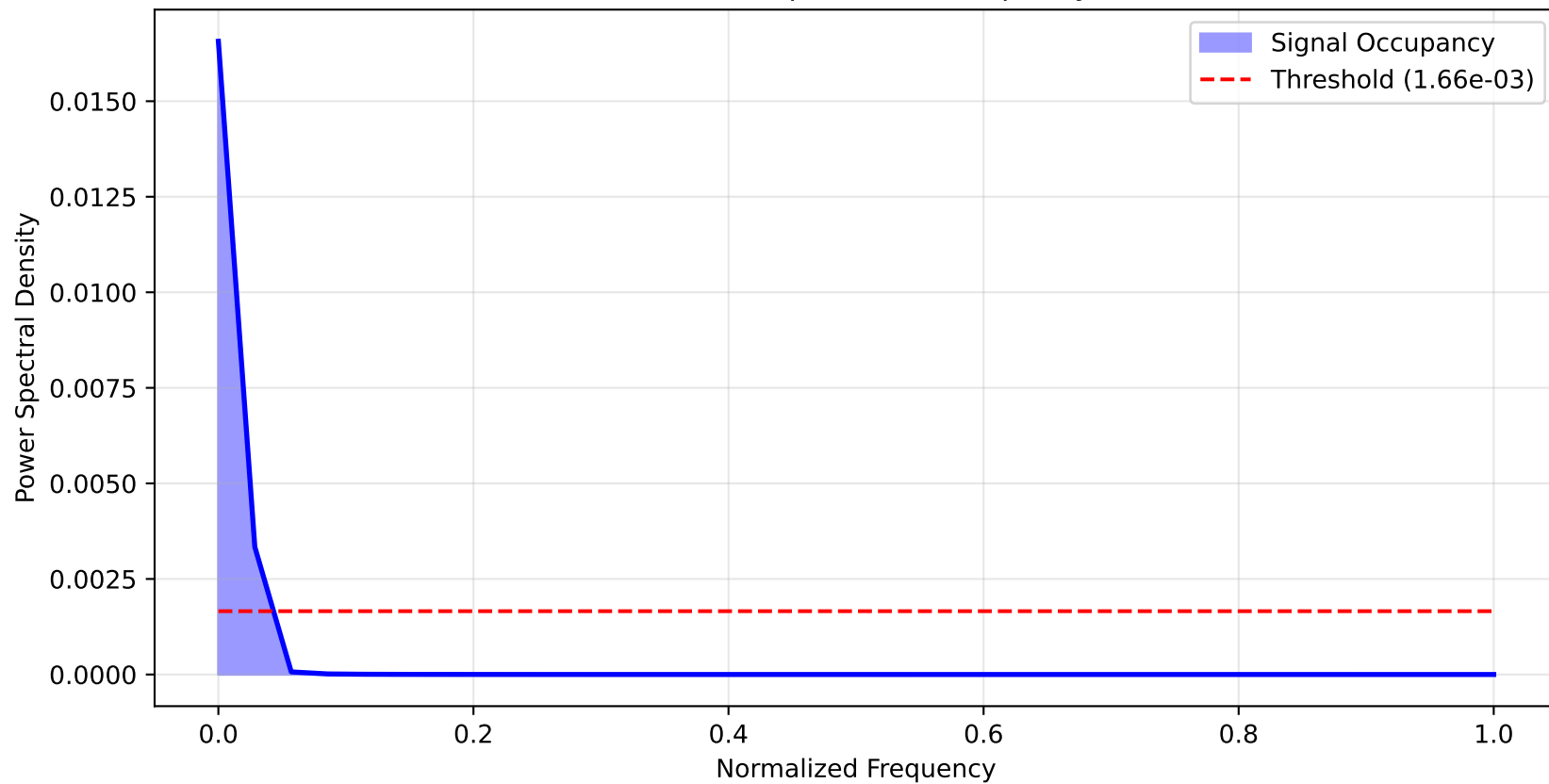
[MSG 13] R1 Power Envelope



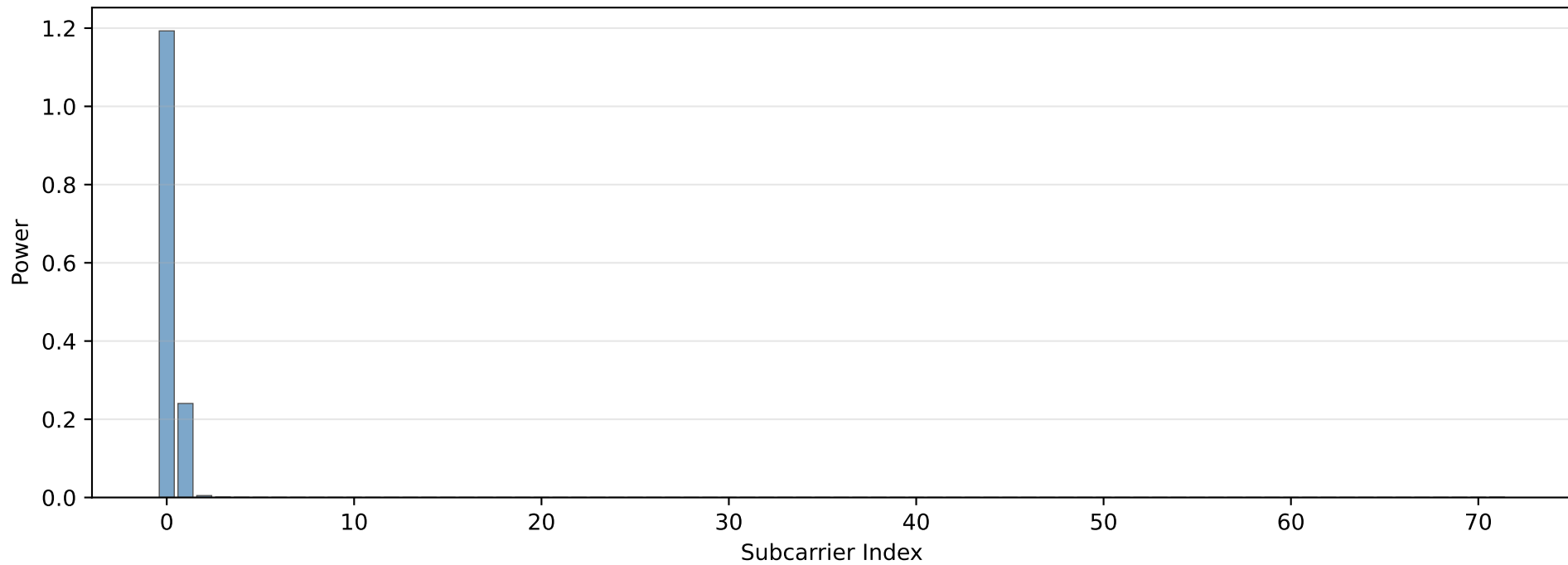
[MSG 13] R1 Power Spectral Density



[MSG 13] Spectrum Occupancy



[MSG 13] Subcarrier Power Distribution



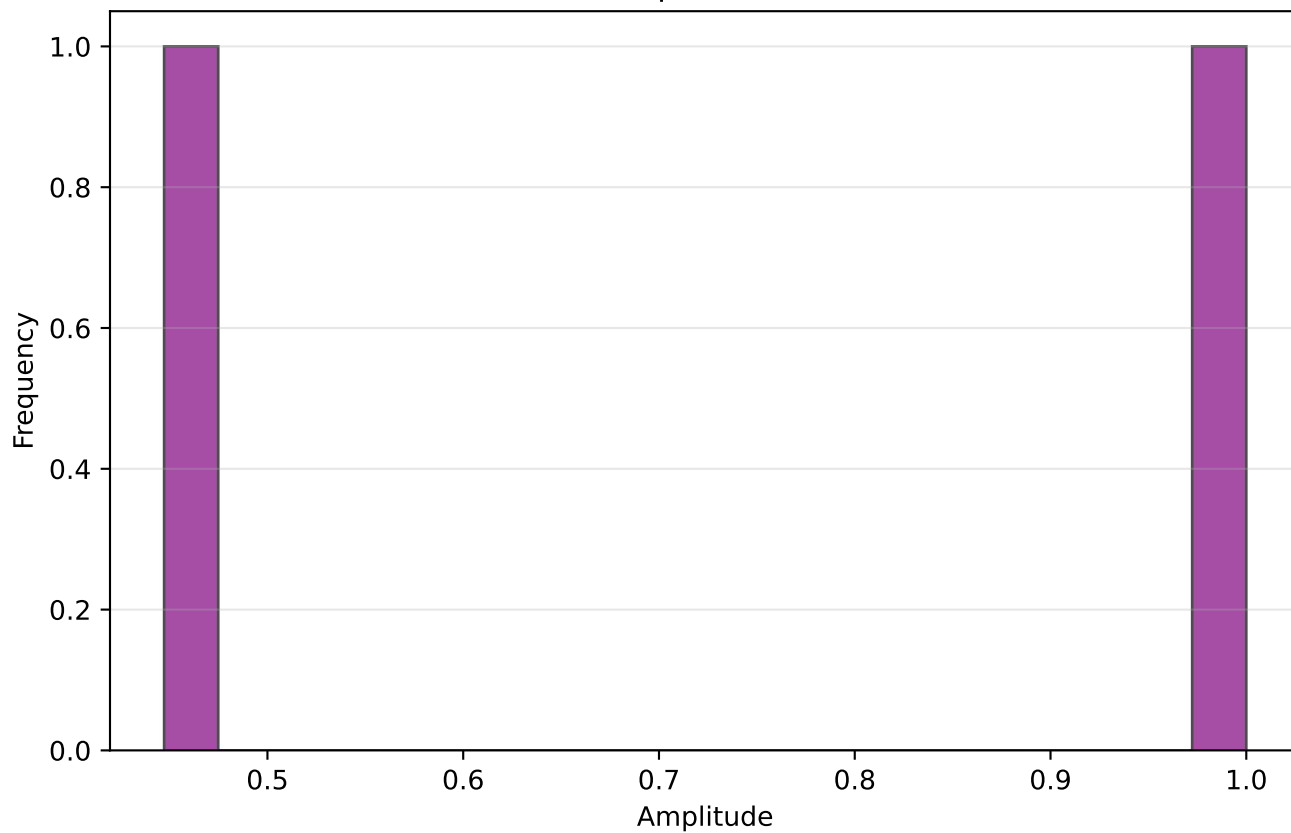
[MSG 13] Channel Capacity Analysis

SNR: 20.00 dB
Modulation: QAM-16
Bandwidth: 20.0 MHz
Signal Power: 2.78×10^{-4} W
Noise Power: 2.78×10^{-6} W
Shannon Capacity: 133.16 Mbps

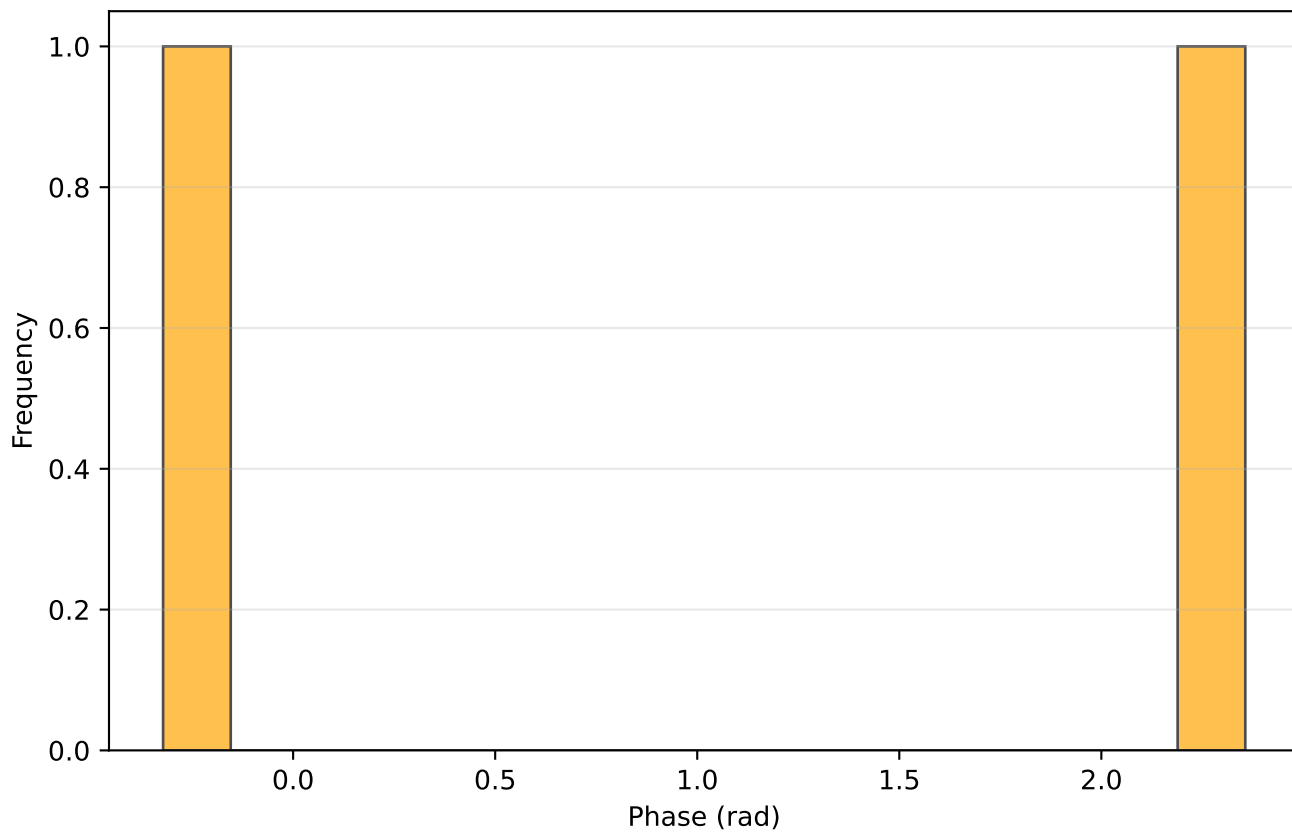
[MSG 13] R1 SNR Analysis

Est. SNR: 20.00 dB
Modulation: QAM-16
Signal Power: 2.78e-04

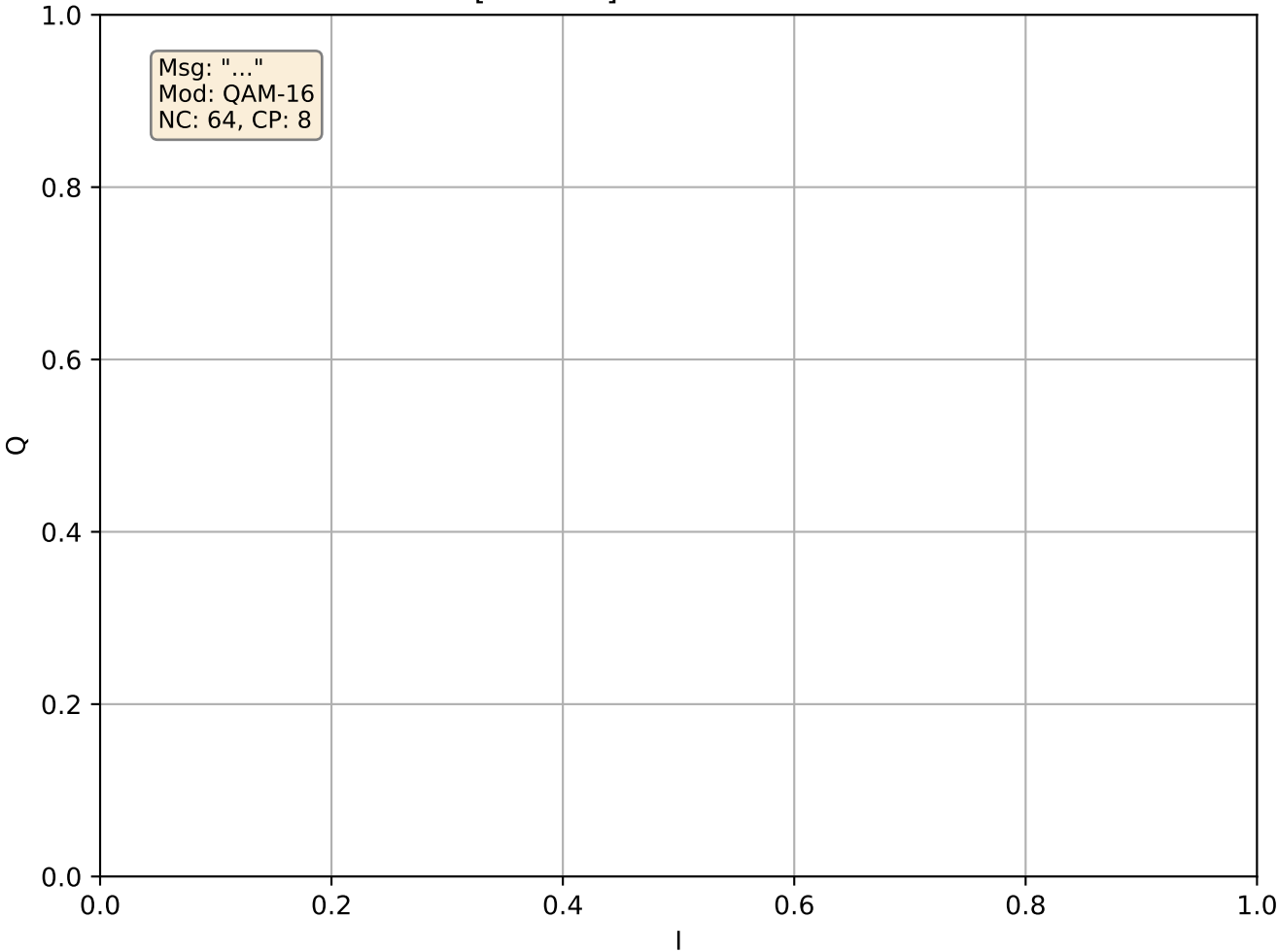
[MSG 13] Amplitude Distribution



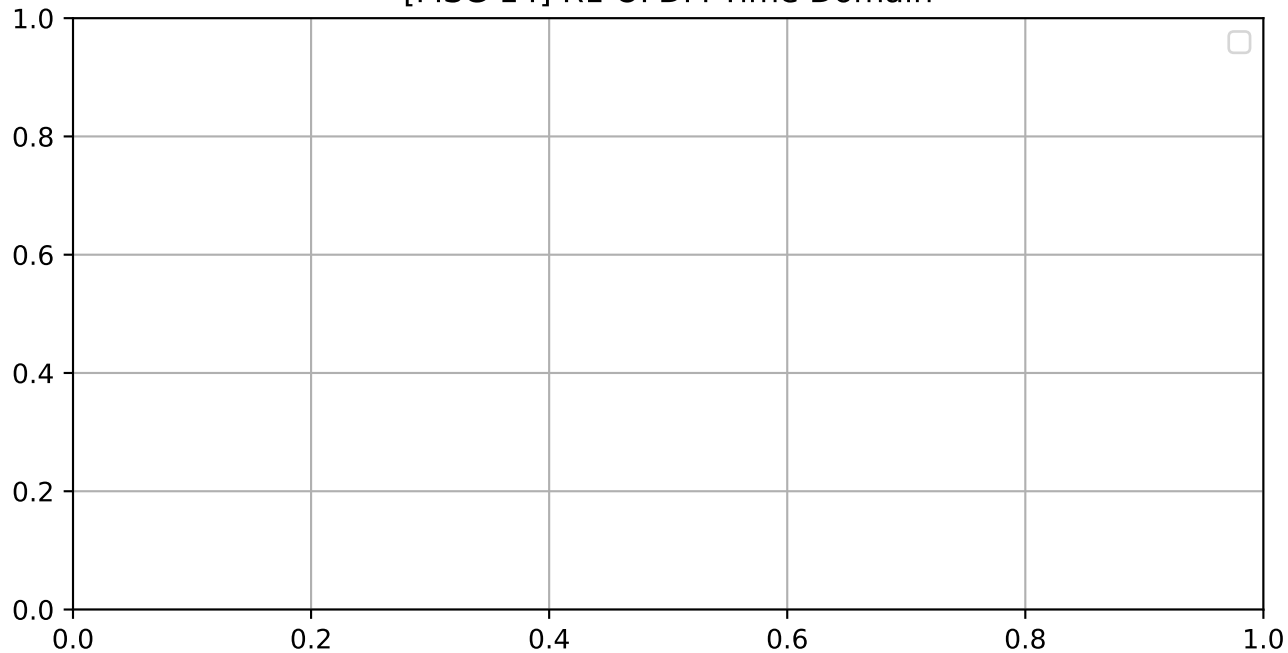
[MSG 13] Phase Distribution



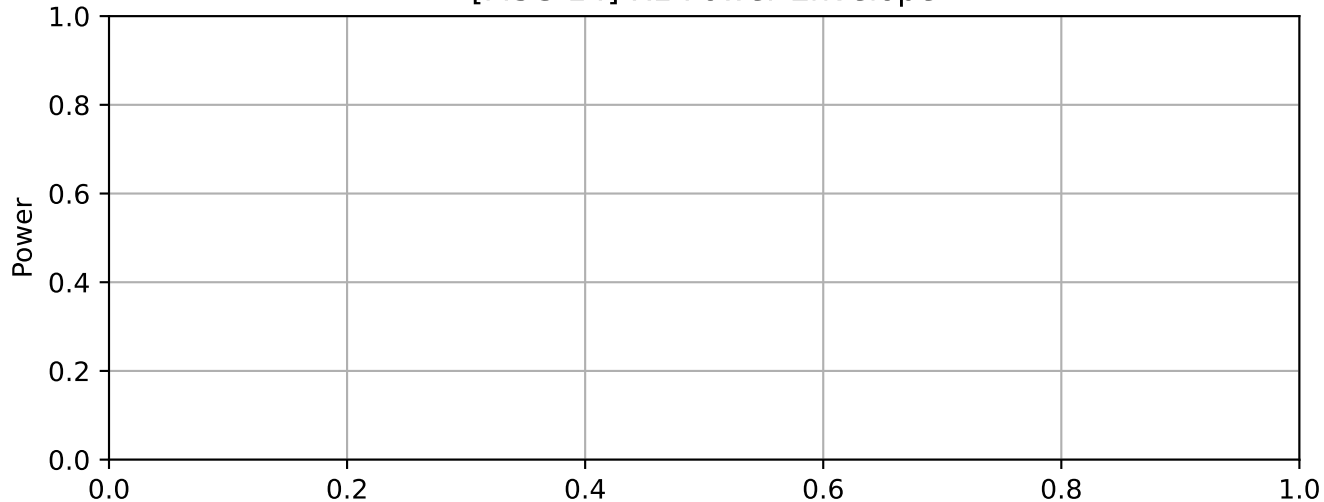
[MSG 14] R1 Constellation



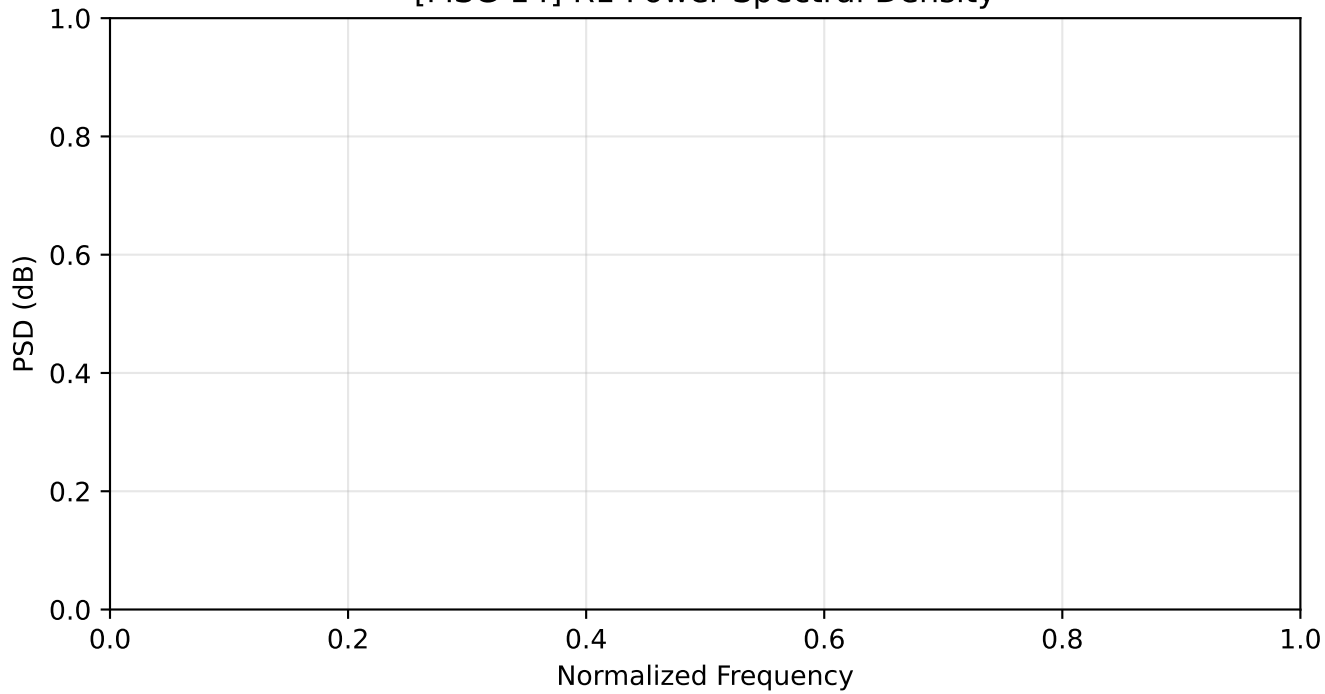
[MSG 14] R1 OFDM Time Domain



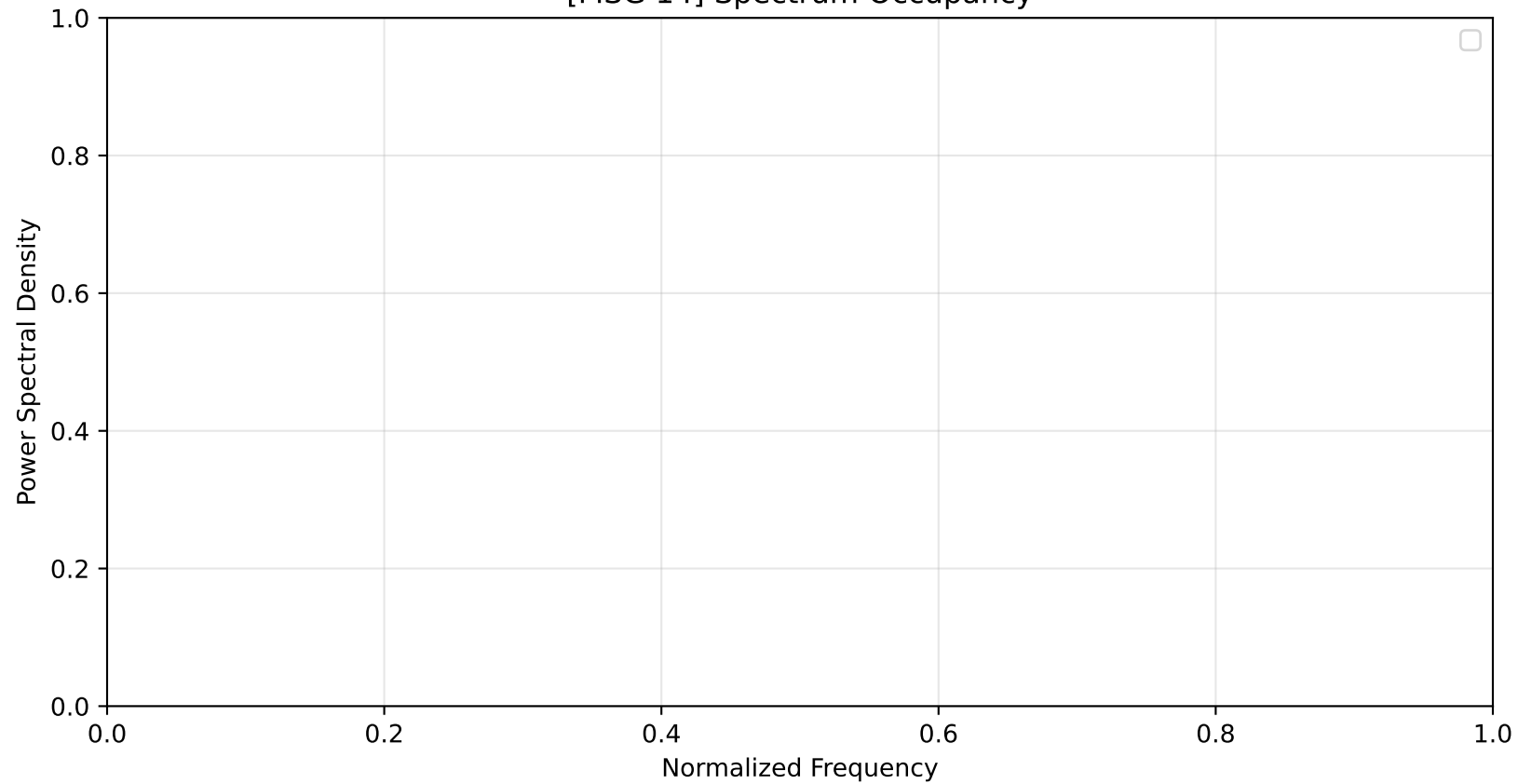
[MSG 14] R1 Power Envelope



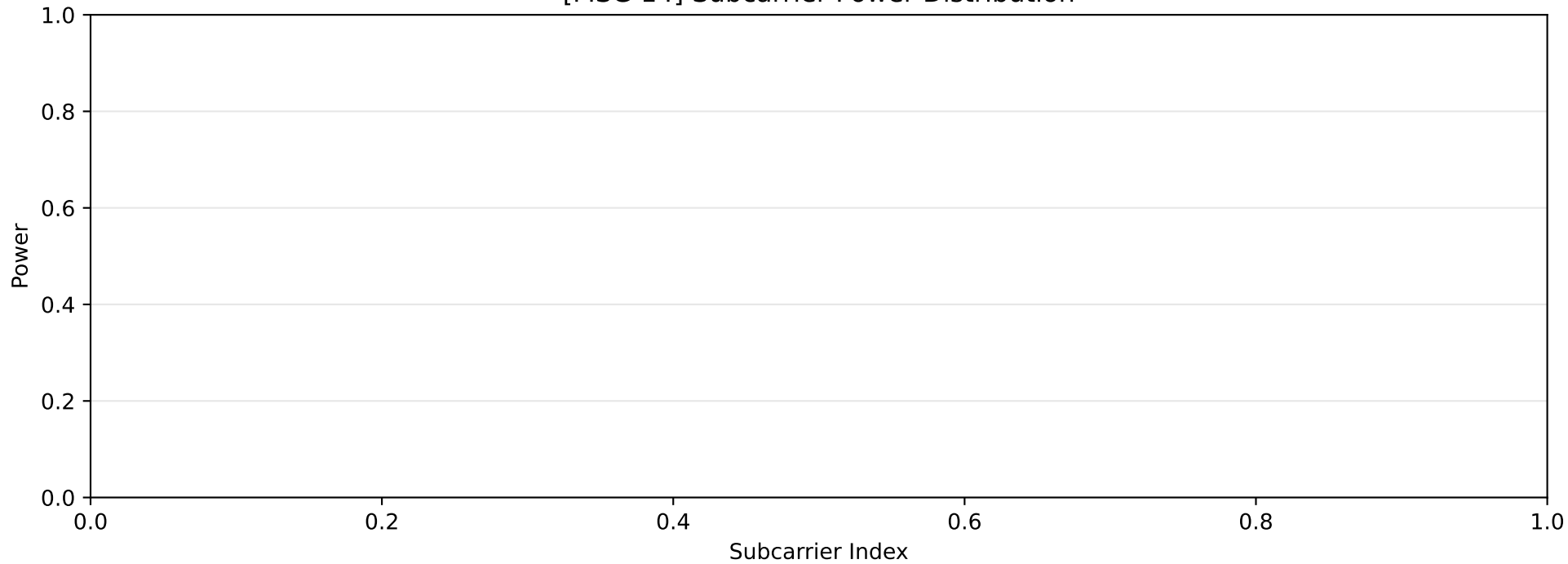
[MSG 14] R1 Power Spectral Density



[MSG 14] Spectrum Occupancy



[MSG 14] Subcarrier Power Distribution

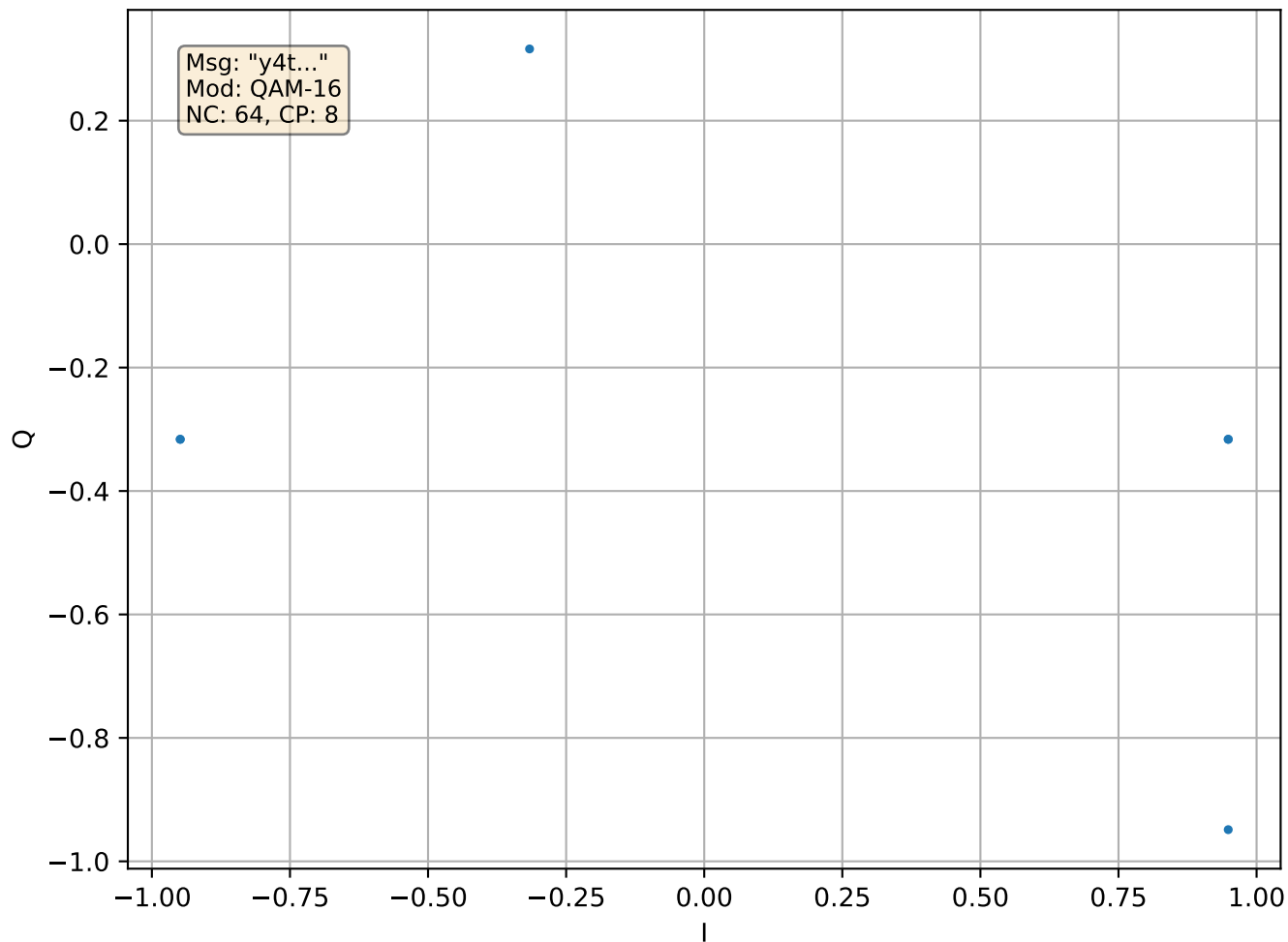


[MSG 14] Channel Capacity Analysis

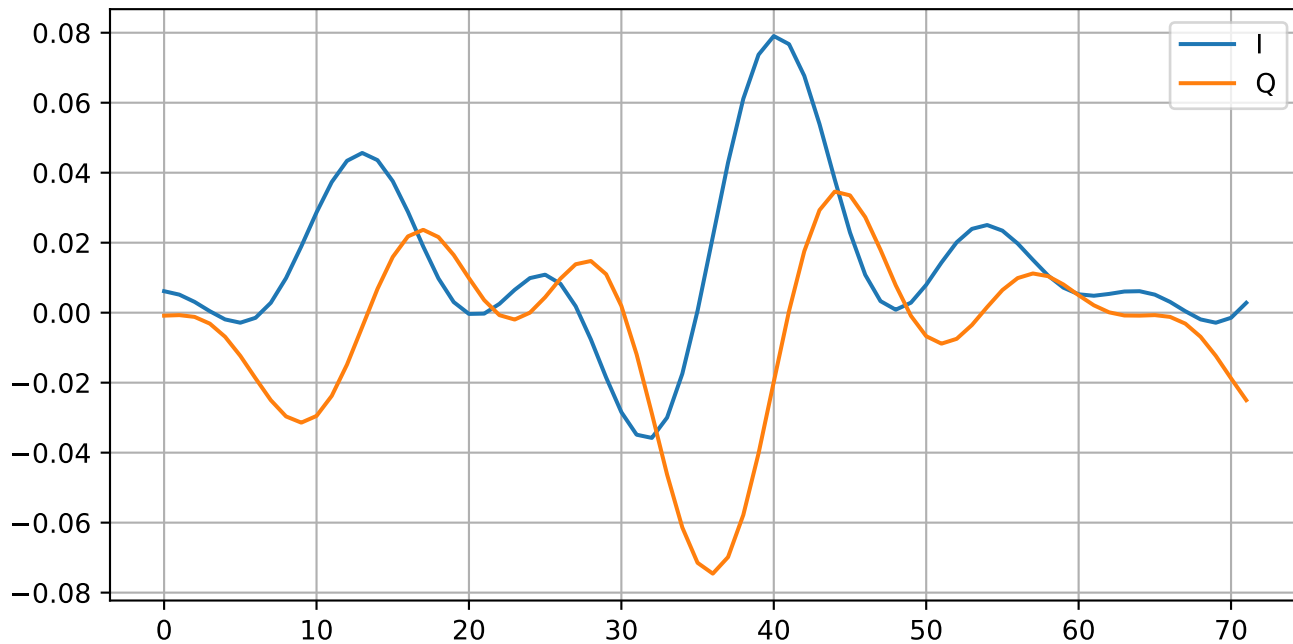
No signal data

[MSG 14] R1 SNR Analysis

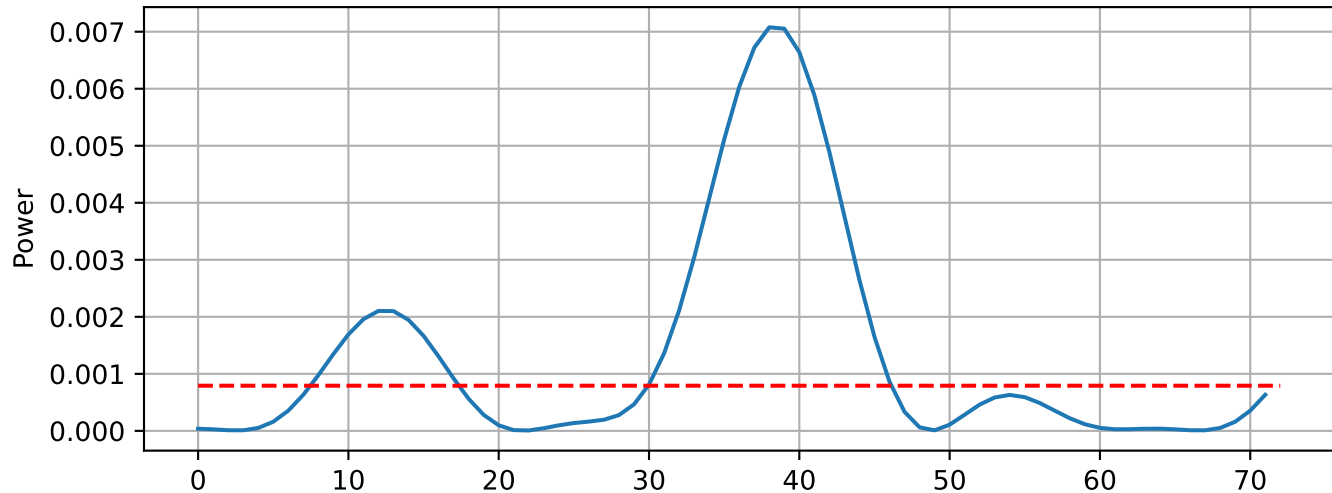
[MSG 15] R1 Constellation



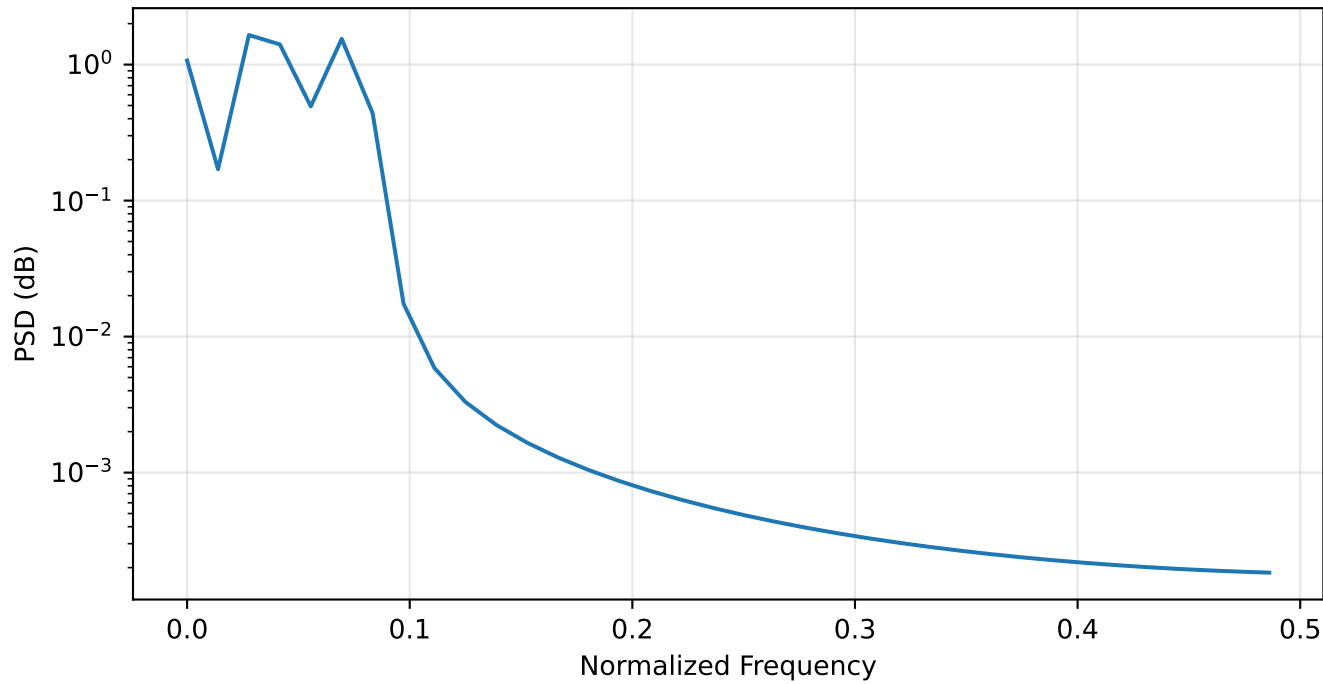
[MSG 15] R1 OFDM Time Domain



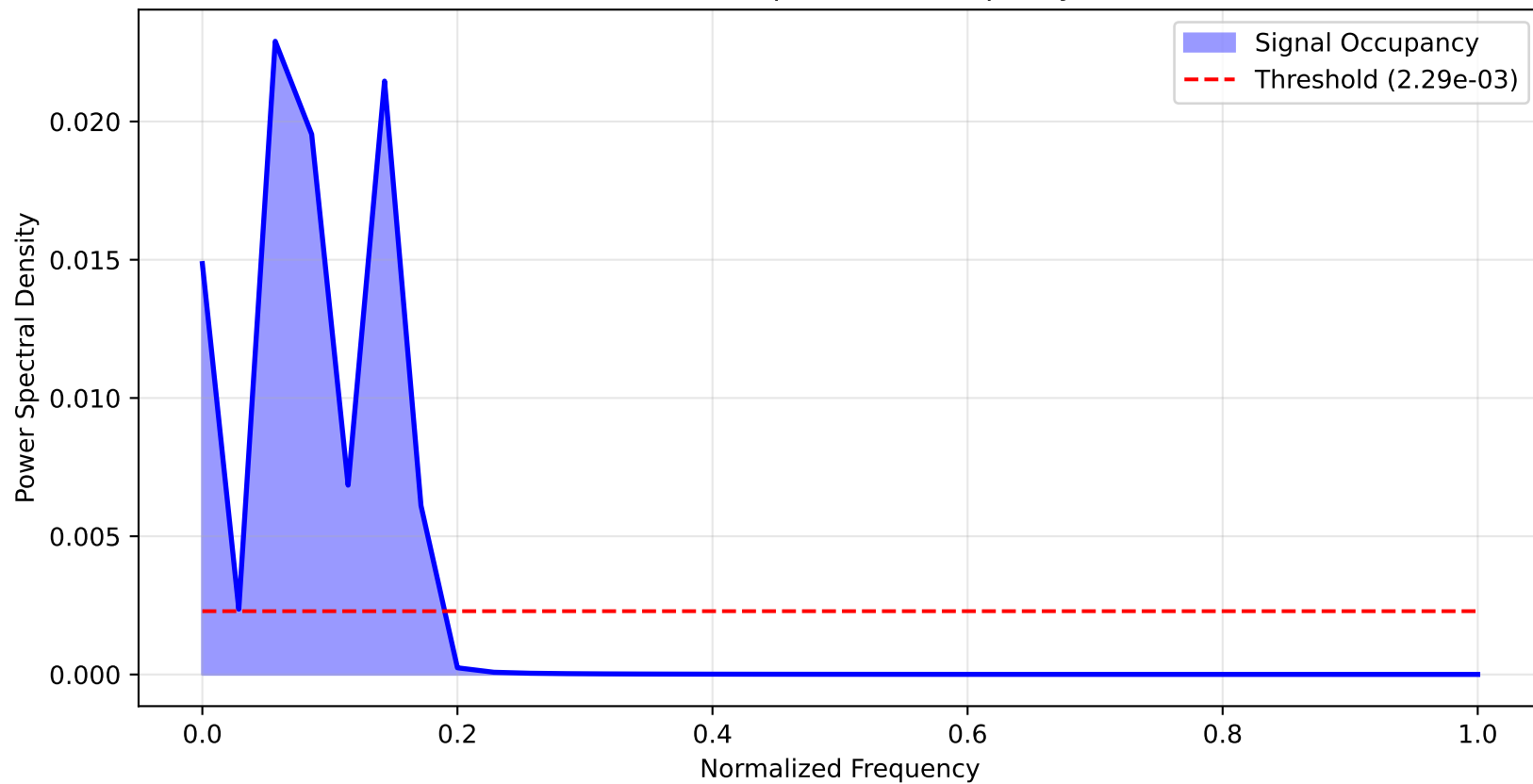
[MSG 15] R1 Power Envelope



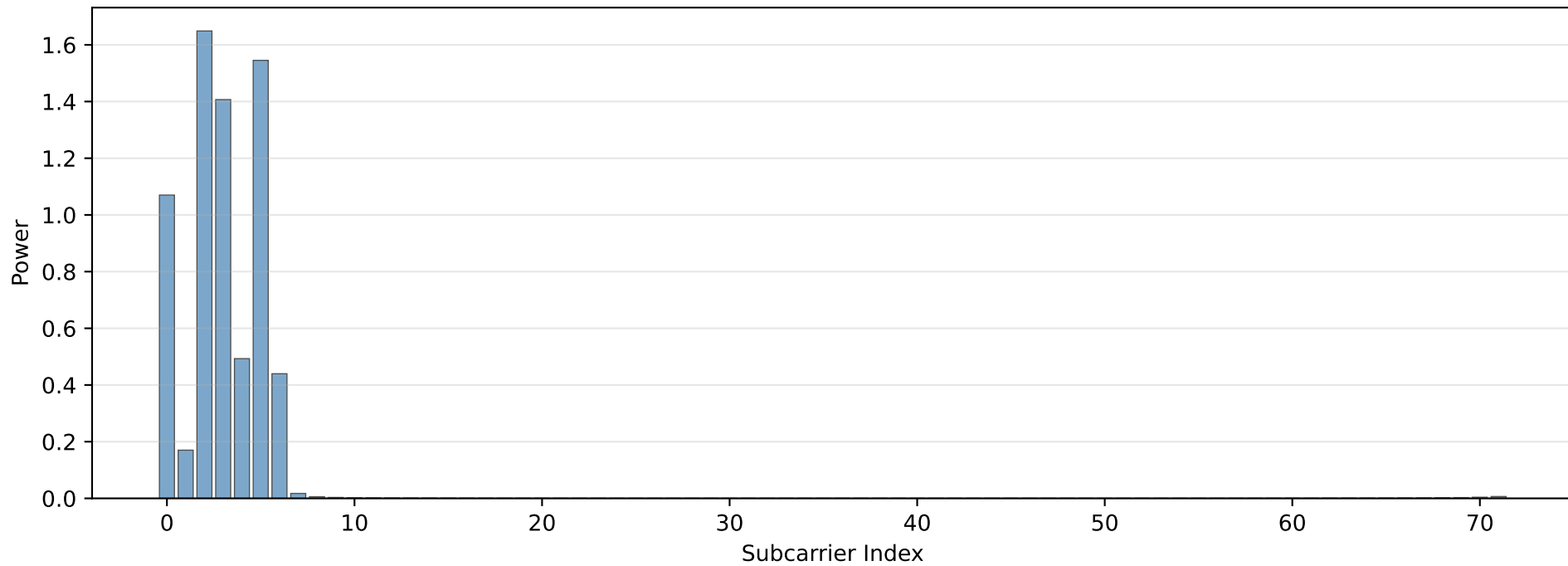
[MSG 15] R1 Power Spectral Density



[MSG 15] Spectrum Occupancy



[MSG 15] Subcarrier Power Distribution



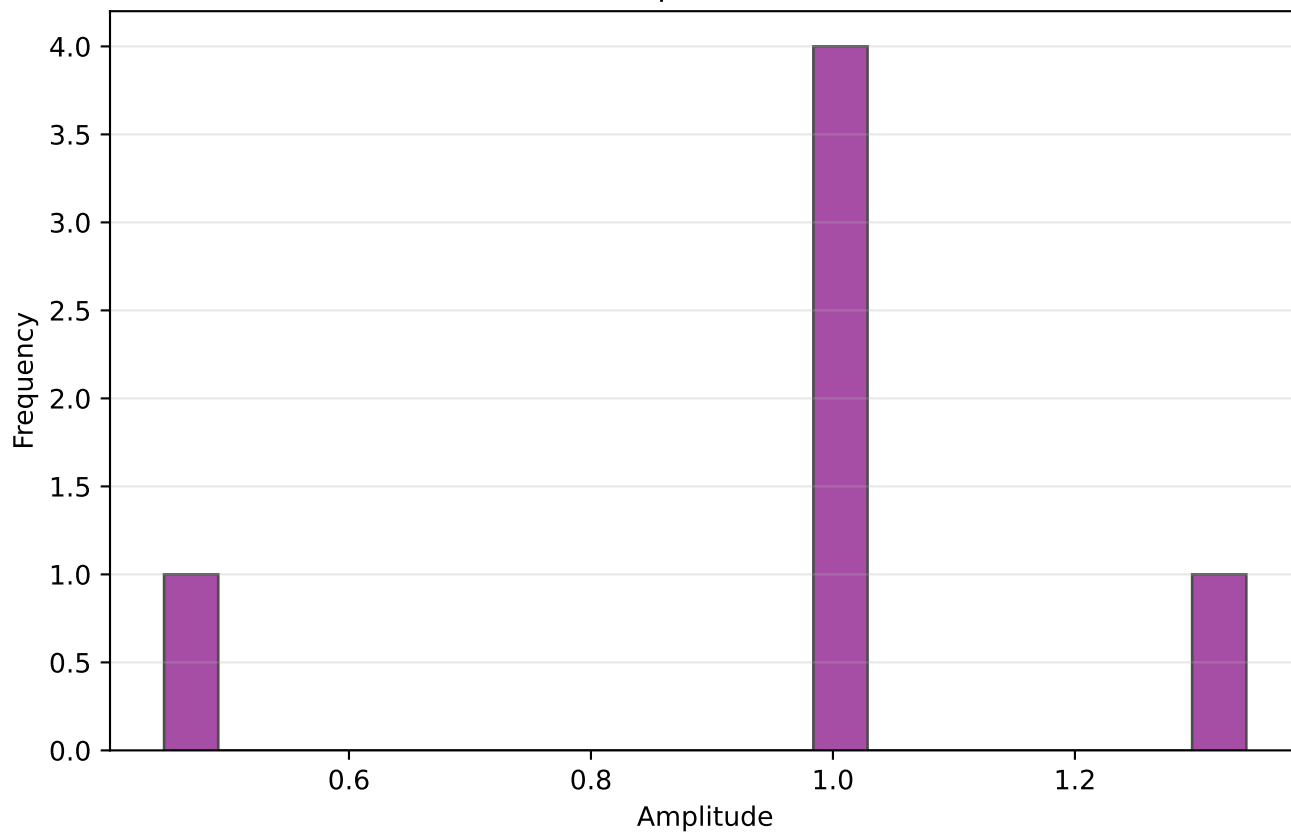
[MSG 15] Channel Capacity Analysis

SNR: 20.00 dB
Modulation: QAM-16
Bandwidth: 20.0 MHz
Signal Power: 1.32e-03 W
Noise Power: 1.32e-05 W
Shannon Capacity: 133.16 Mbps

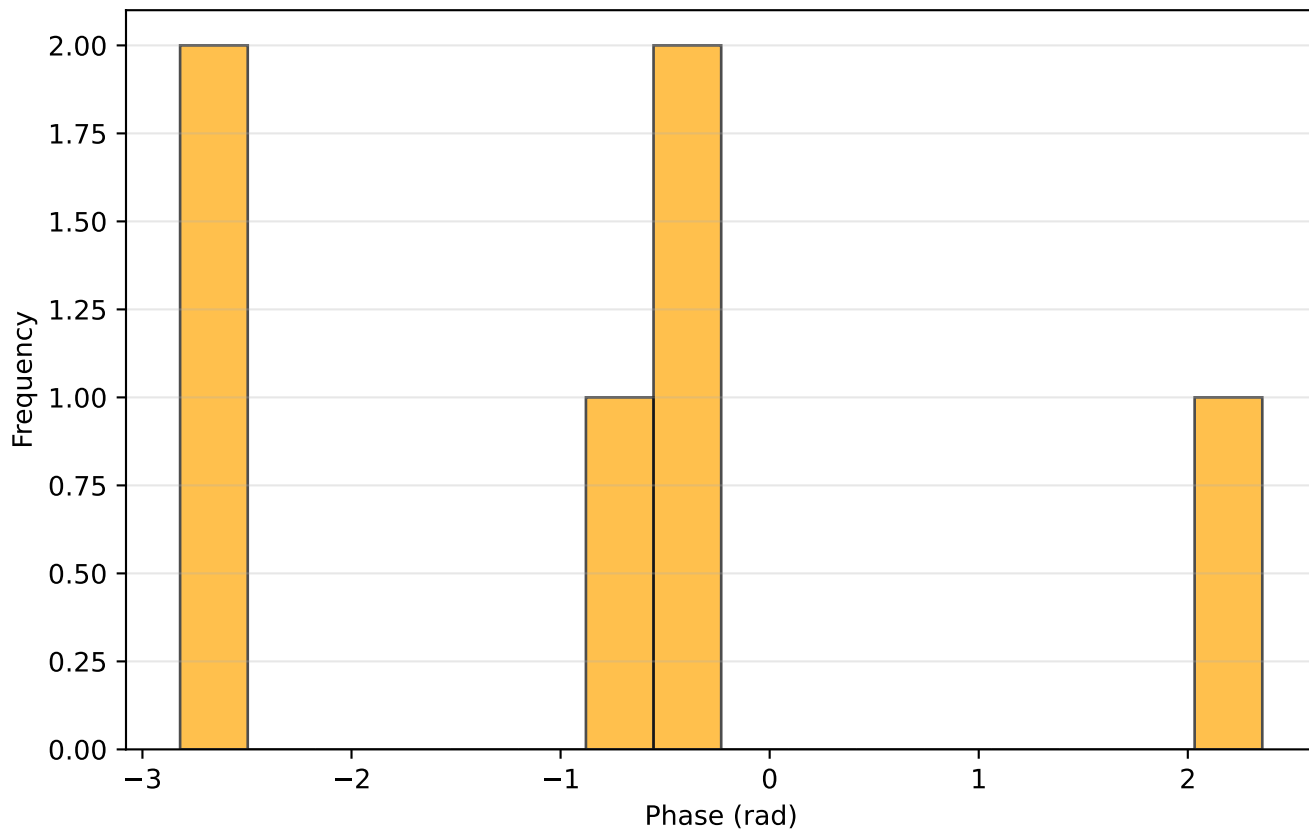
[MSG 15] R1 SNR Analysis

Est. SNR: 20.00 dB
Modulation: QAM-16
Signal Power: 1.32e-03

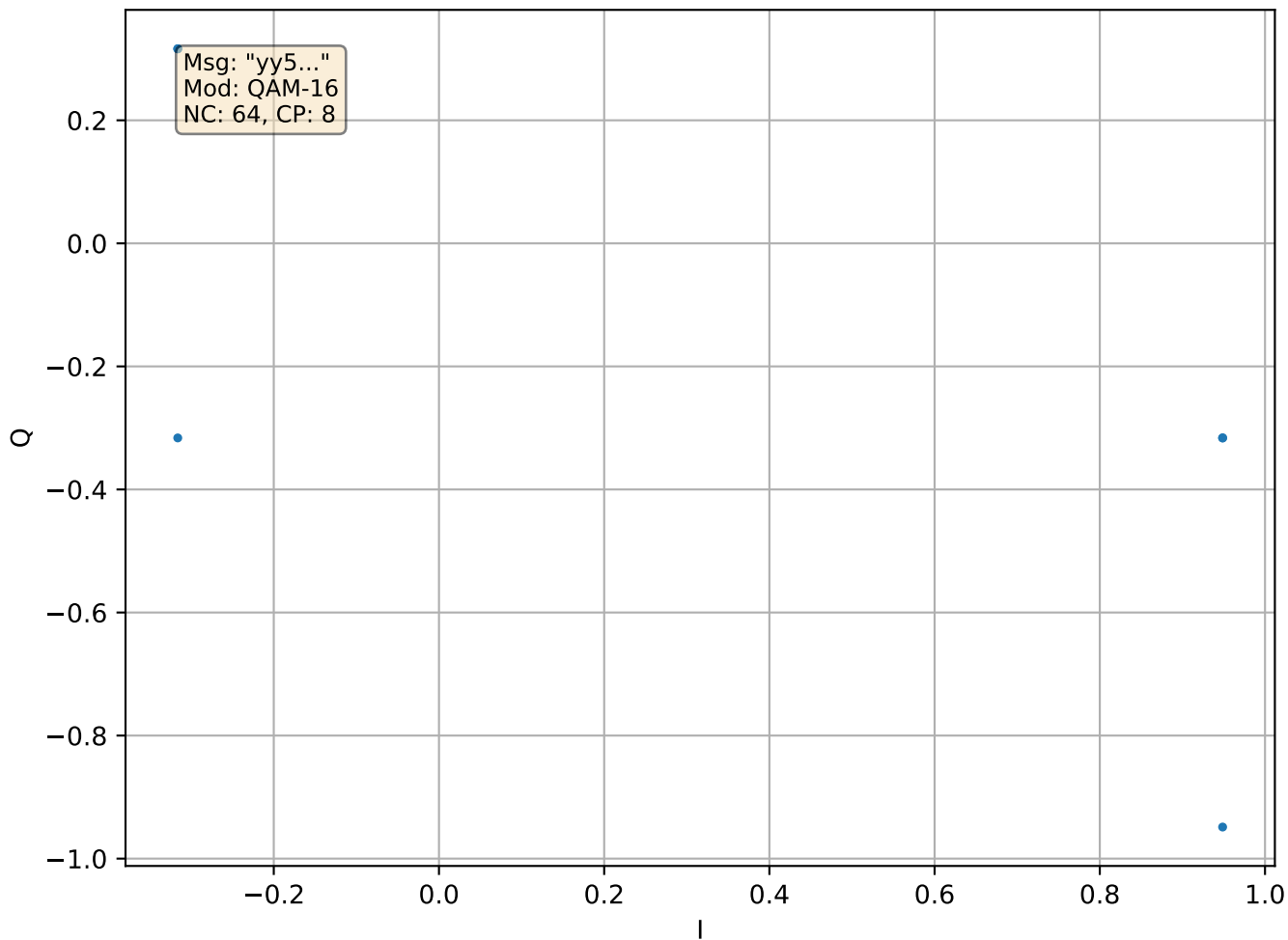
[MSG 15] Amplitude Distribution



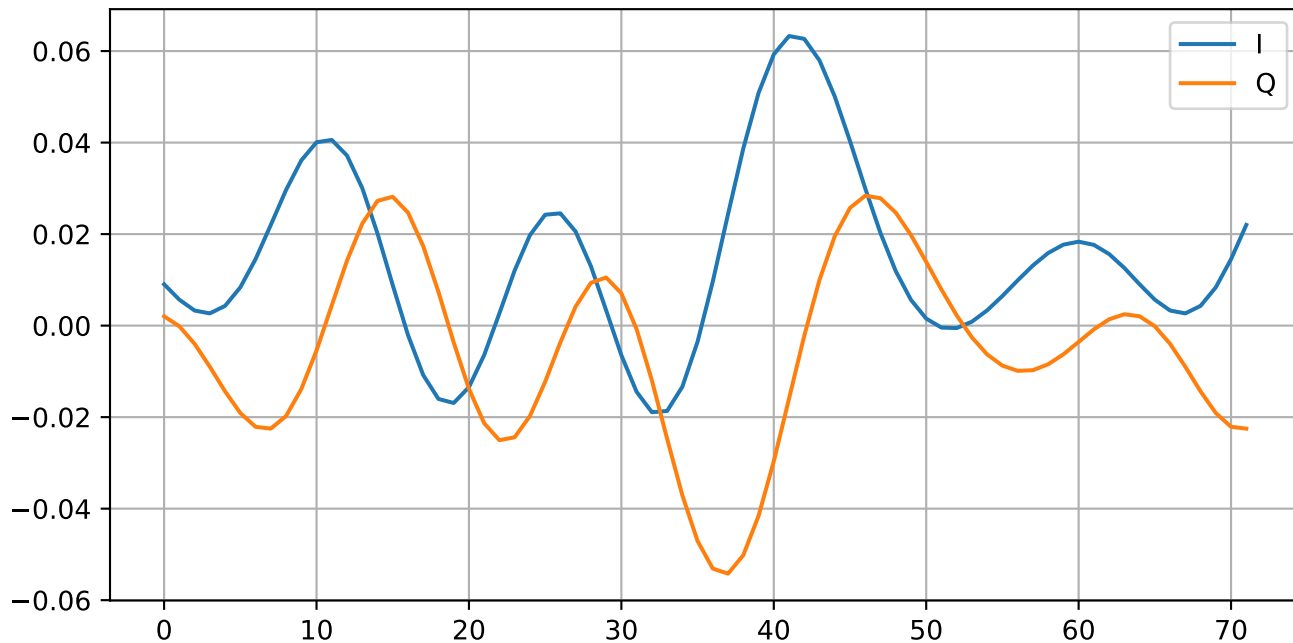
[MSG 15] Phase Distribution



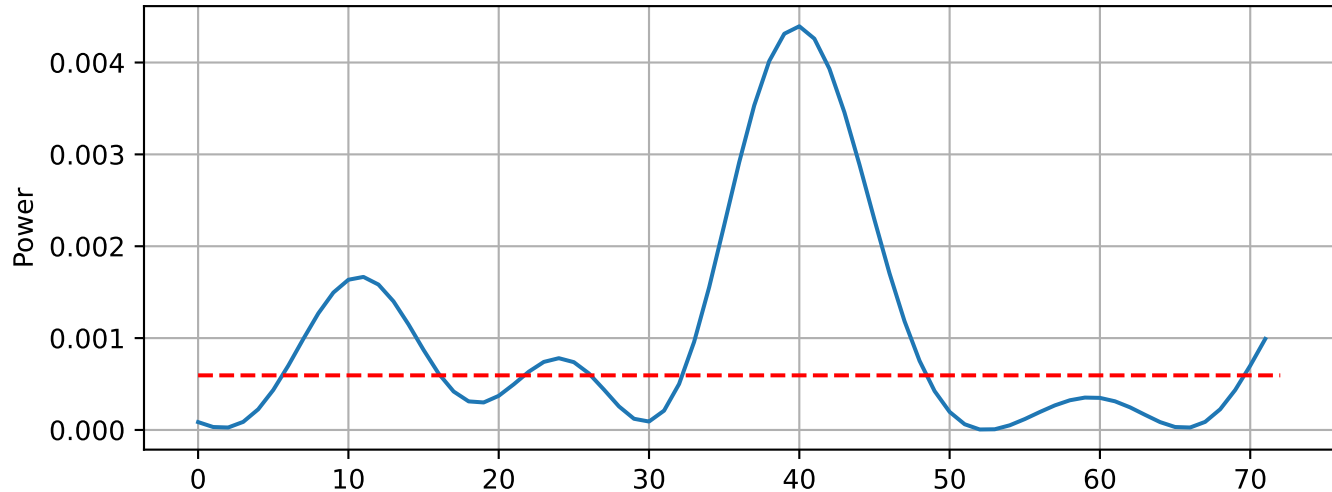
[MSG 16] R1 Constellation



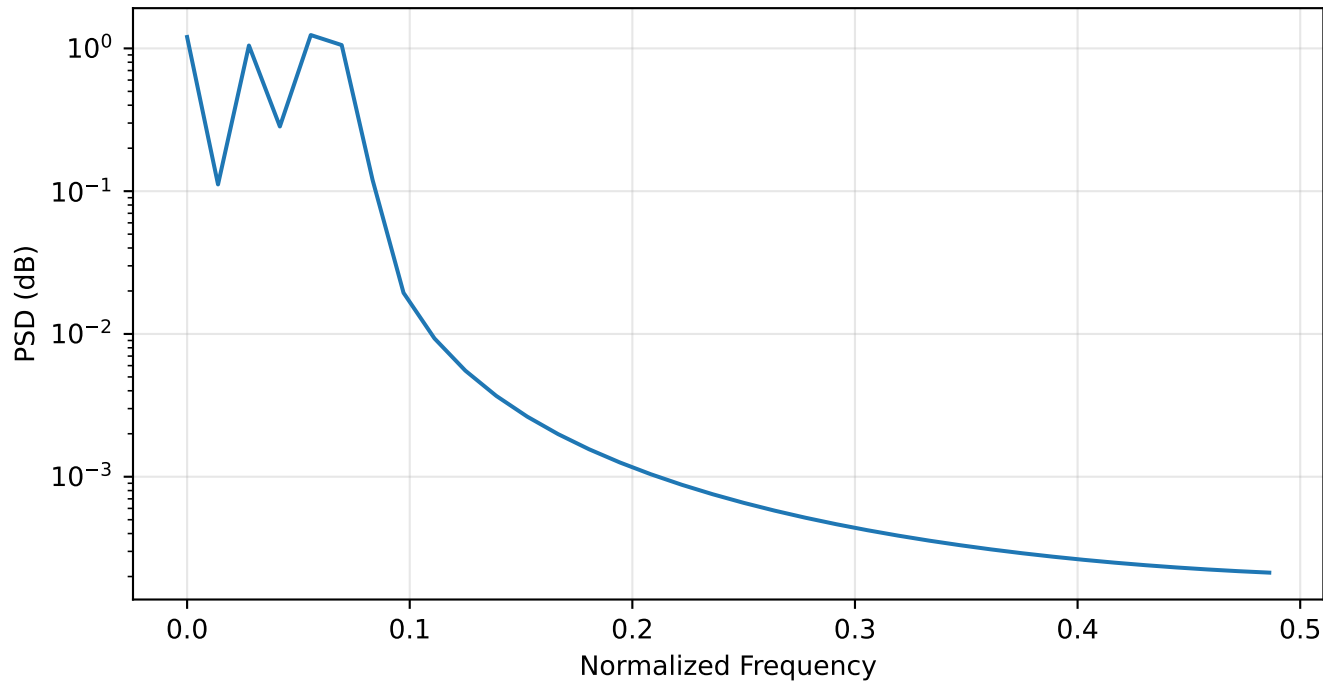
[MSG 16] R1 OFDM Time Domain



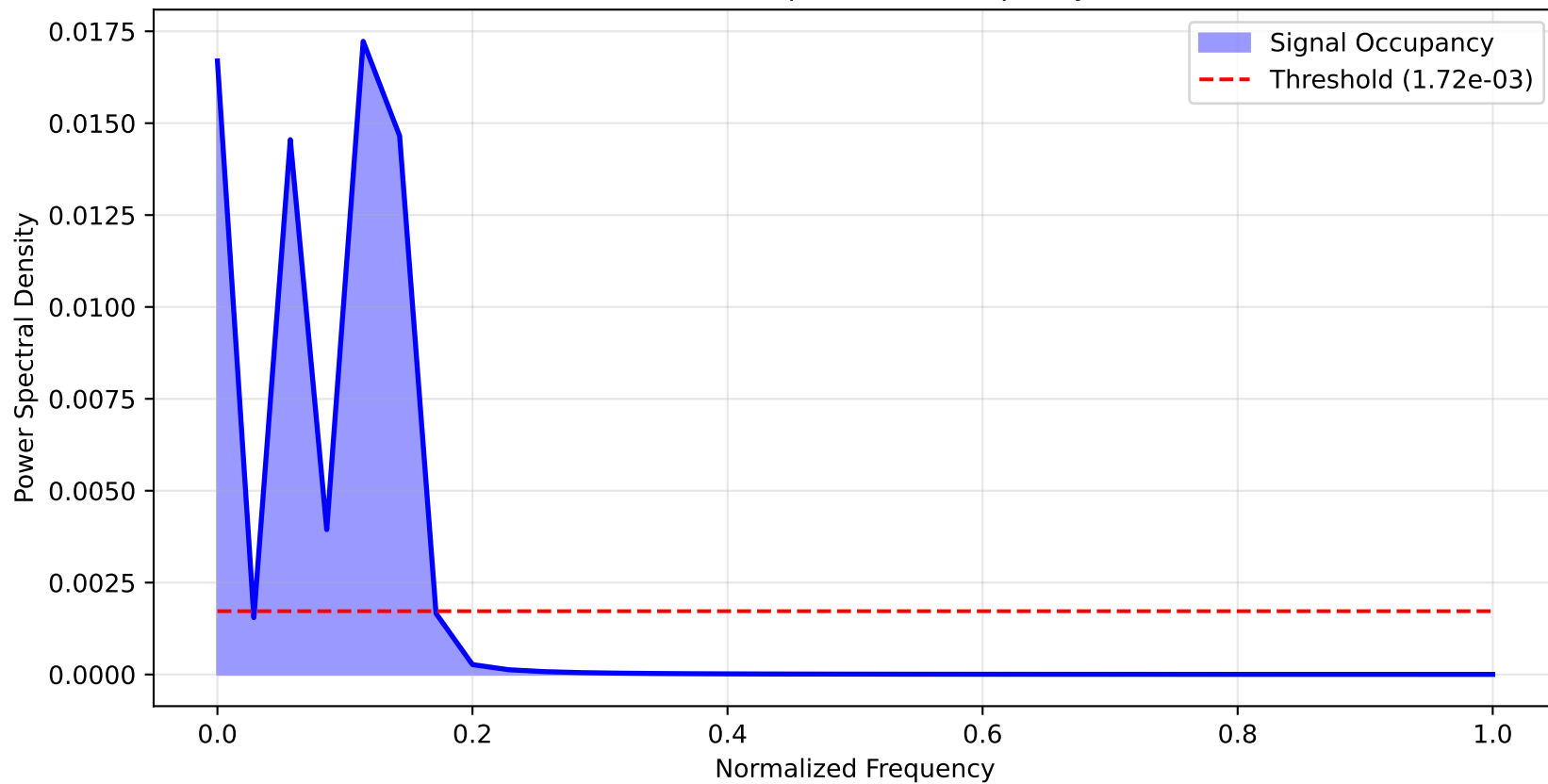
[MSG 16] R1 Power Envelope



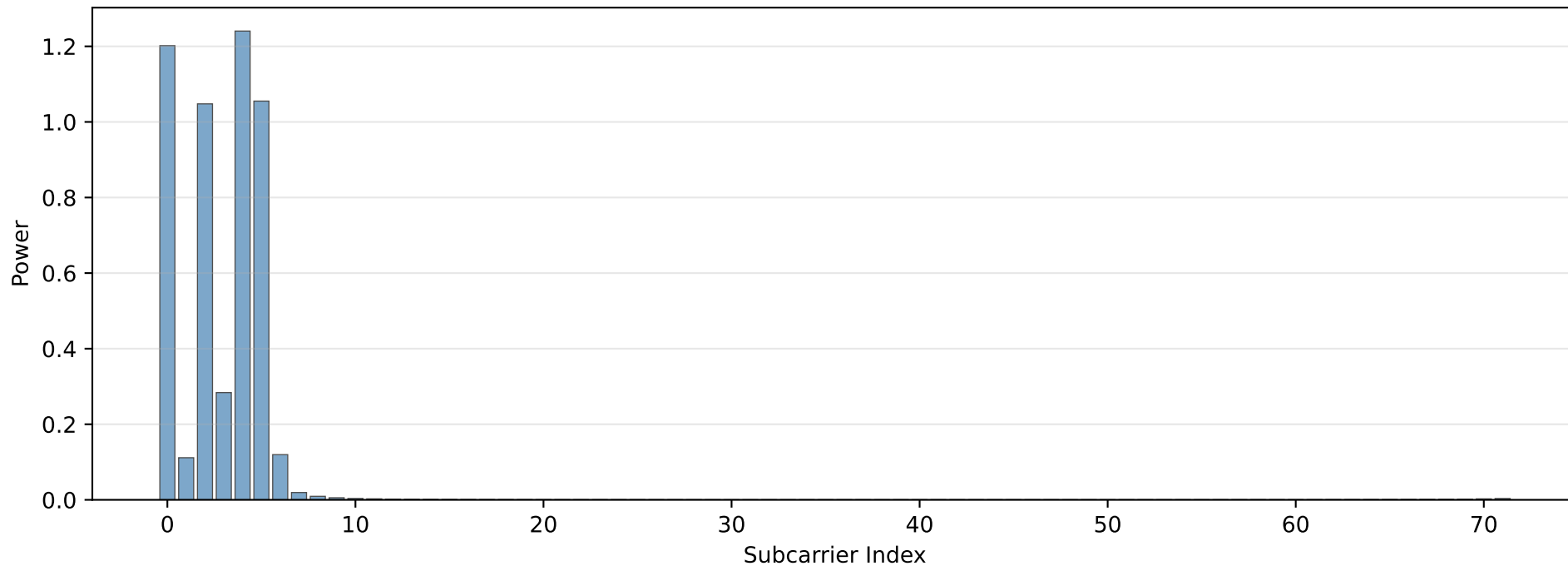
[MSG 16] R1 Power Spectral Density



[MSG 16] Spectrum Occupancy



[MSG 16] Subcarrier Power Distribution



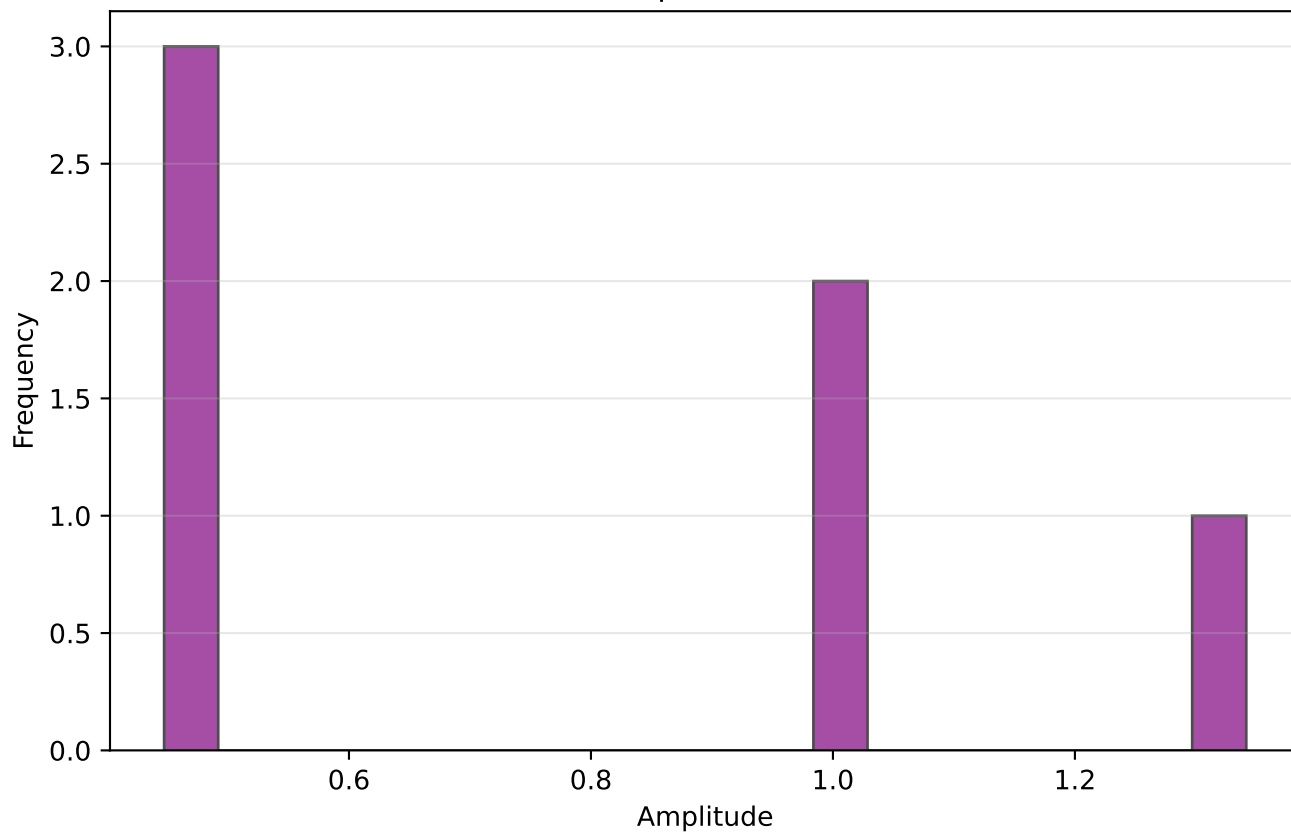
[MSG 16] Channel Capacity Analysis

SNR: 20.00 dB
Modulation: QAM-16
Bandwidth: 20.0 MHz
Signal Power: 9.91×10^{-4} W
Noise Power: 9.91×10^{-6} W
Shannon Capacity: 133.16 Mbps

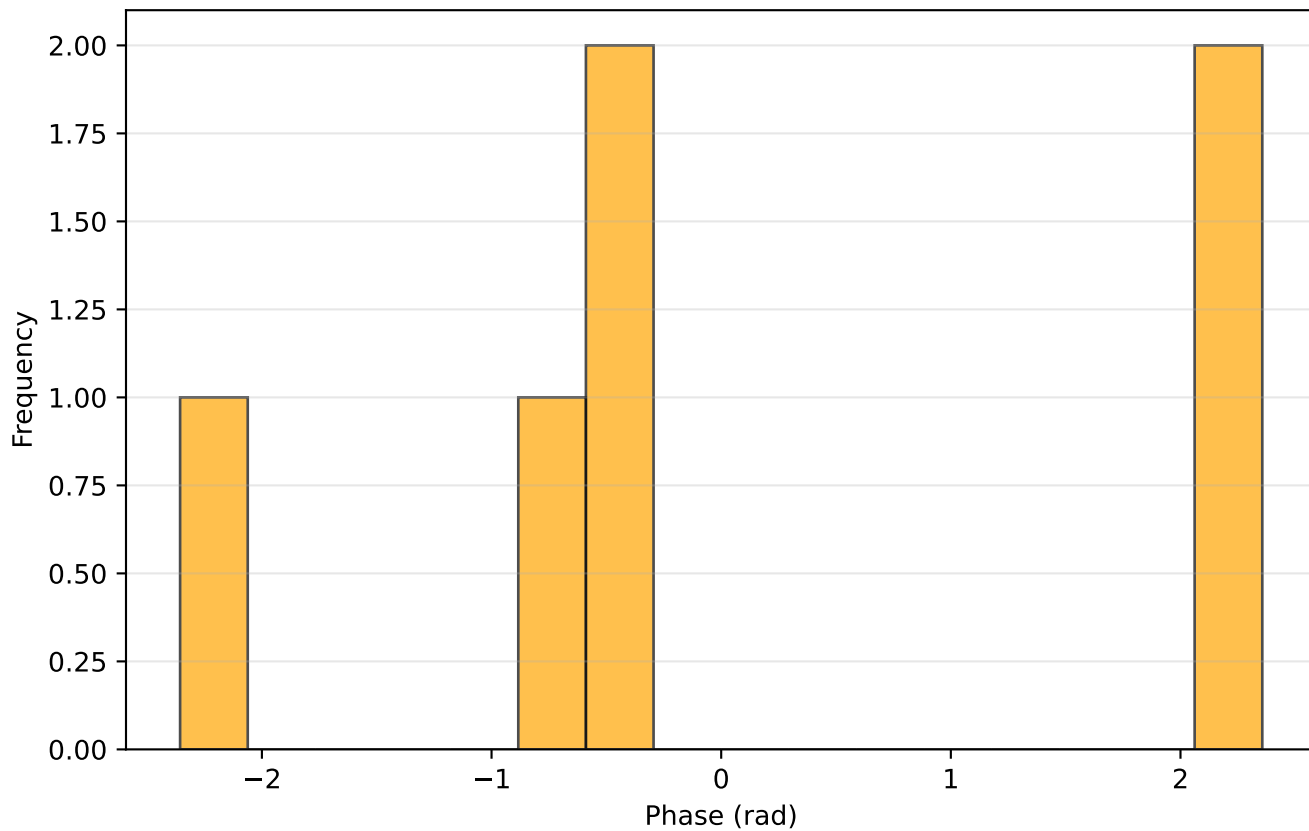
[MSG 16] R1 SNR Analysis

Est. SNR: 20.00 dB
Modulation: QAM-16
Signal Power: 9.91e-04

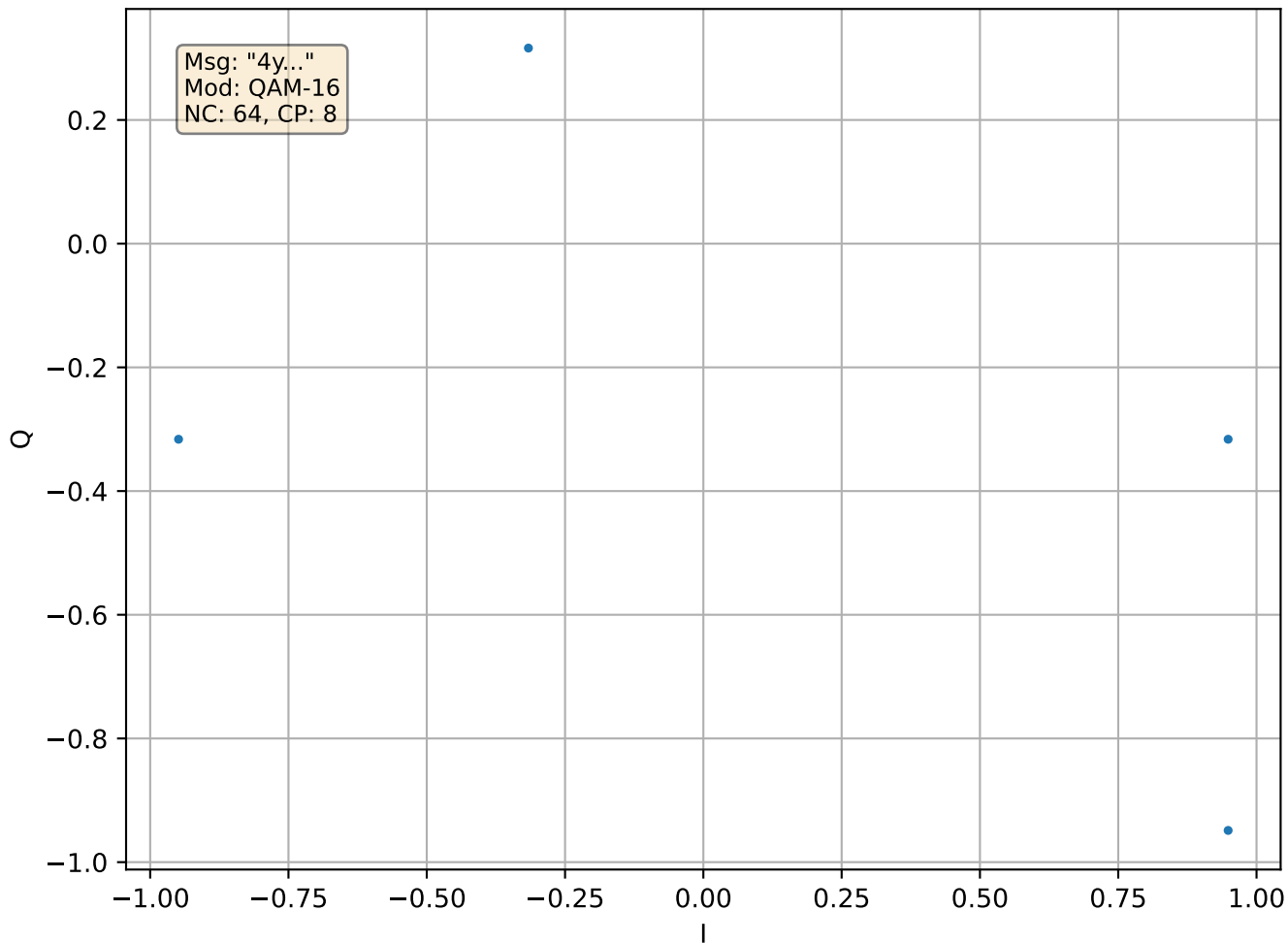
[MSG 16] Amplitude Distribution



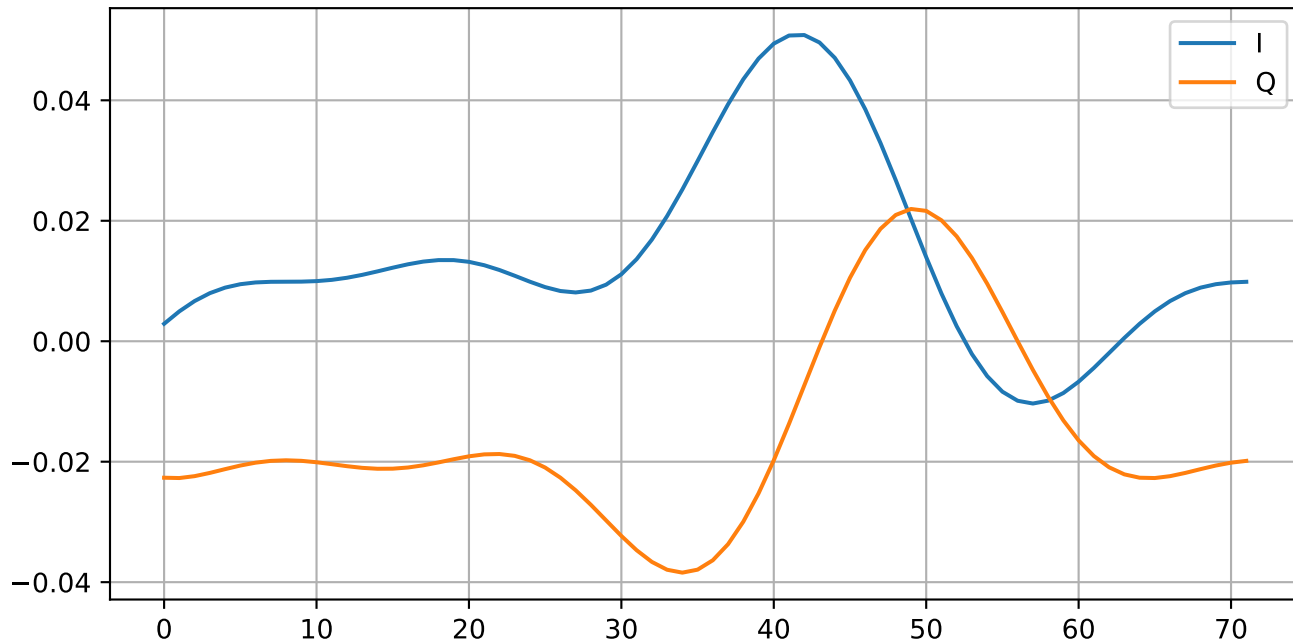
[MSG 16] Phase Distribution



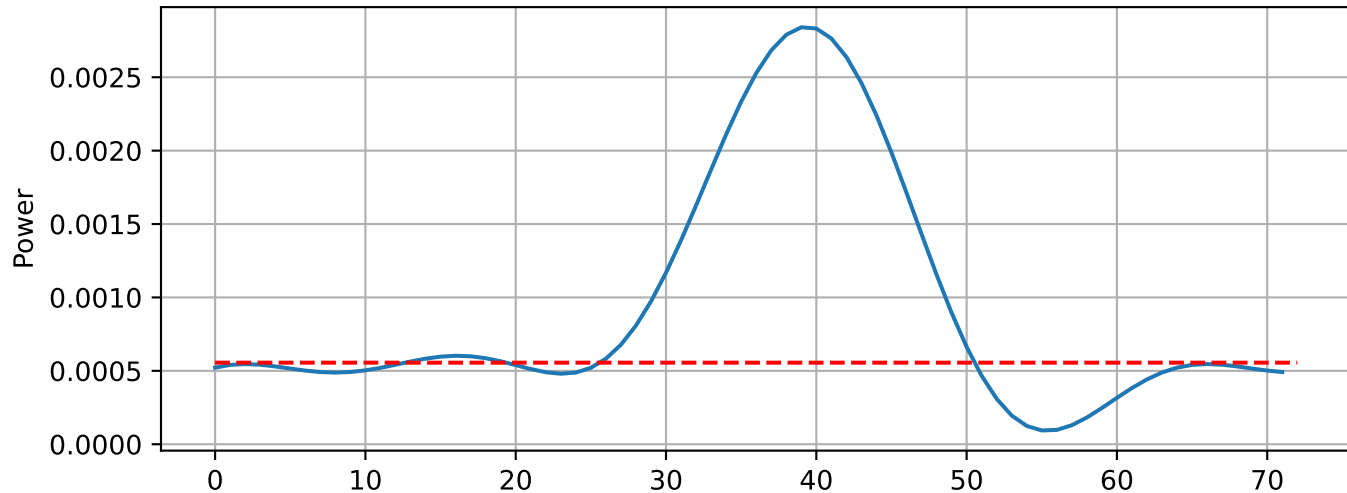
[MSG 17] R1 Constellation



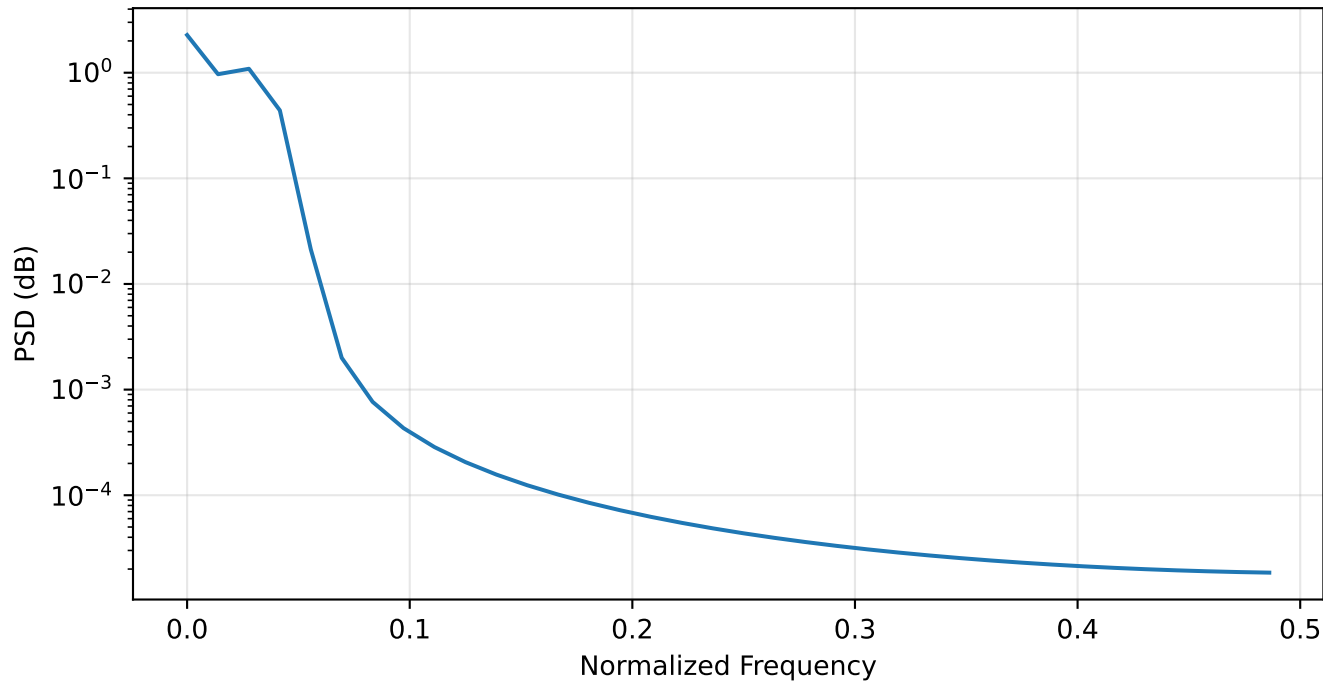
[MSG 17] R1 OFDM Time Domain



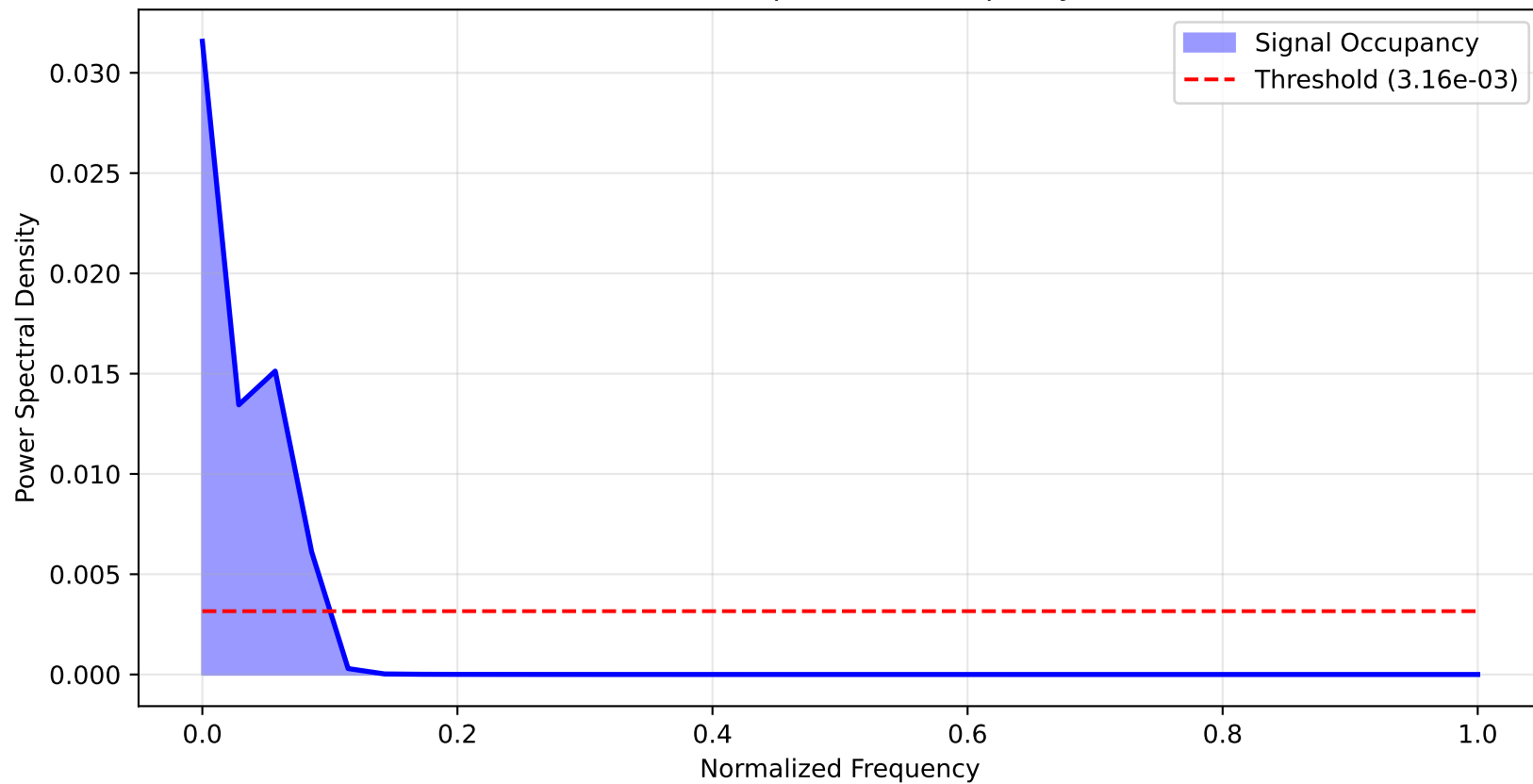
[MSG 17] R1 Power Envelope



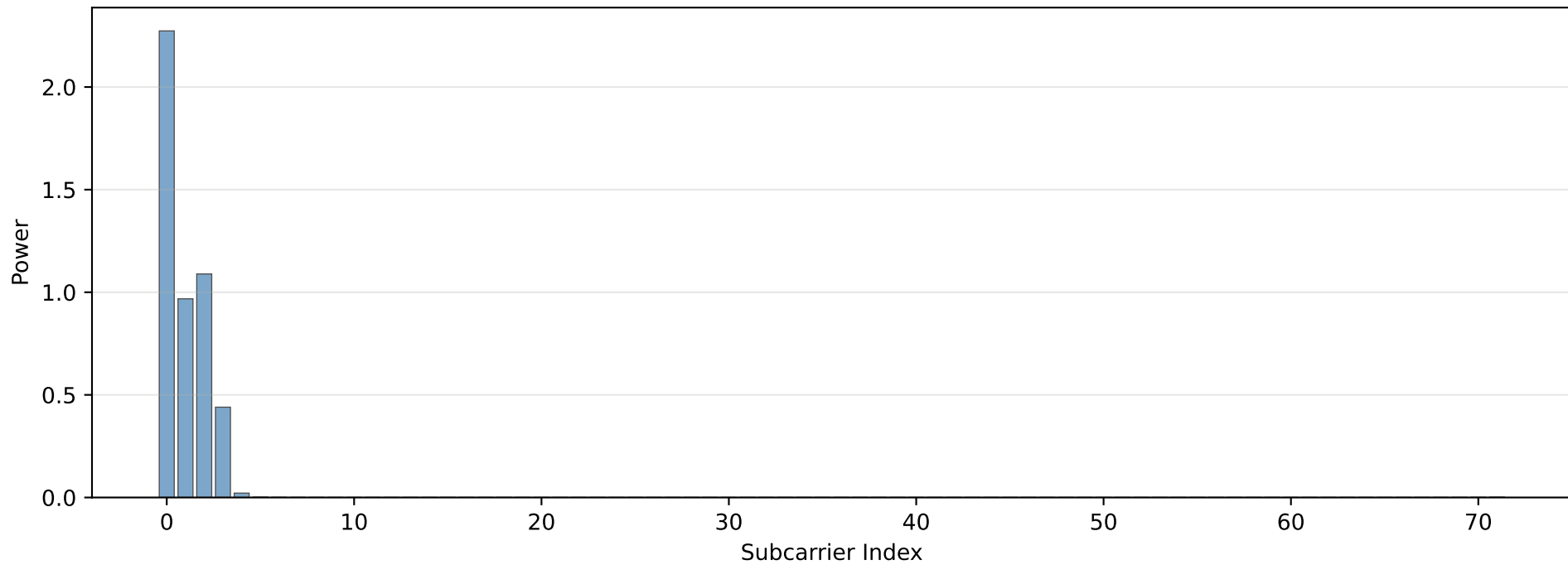
[MSG 17] R1 Power Spectral Density



[MSG 17] Spectrum Occupancy



[MSG 17] Subcarrier Power Distribution



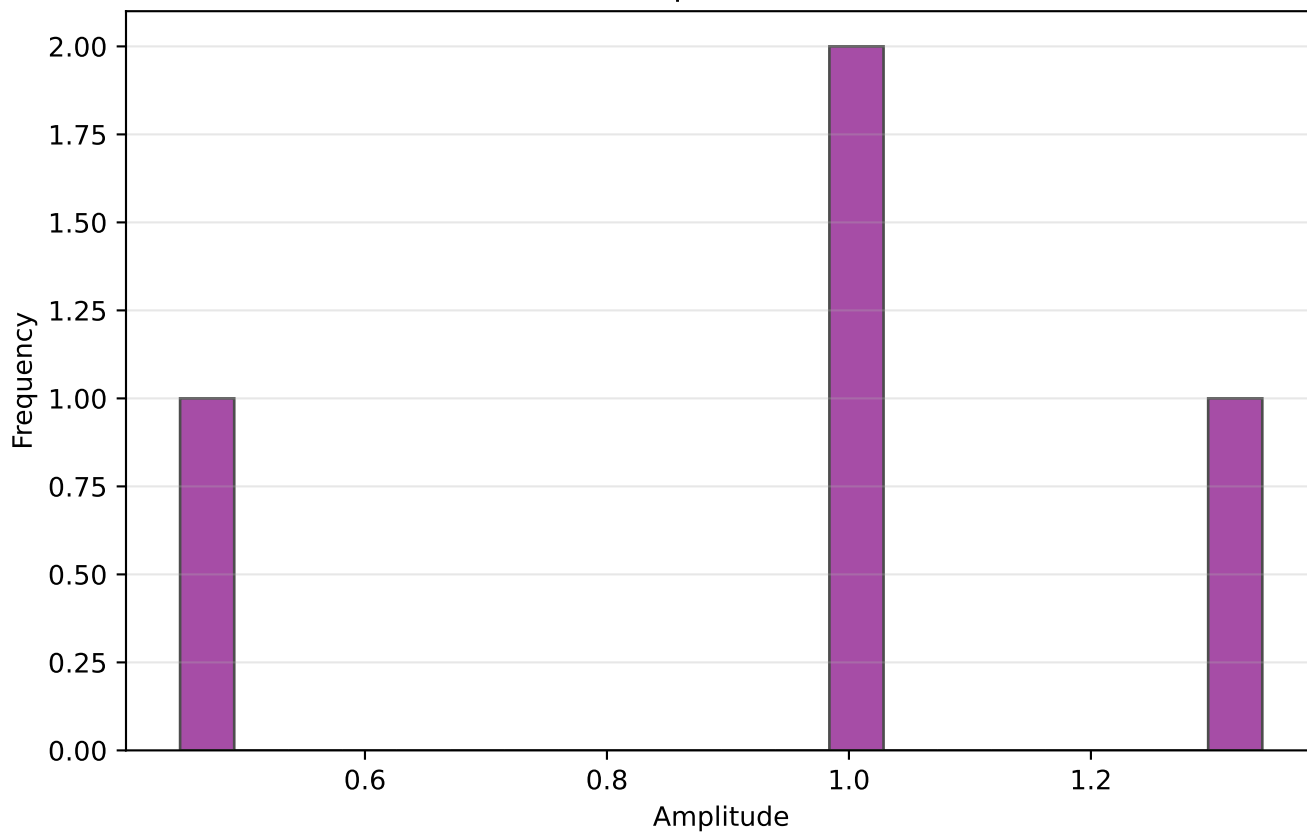
[MSG 17] Channel Capacity Analysis

SNR: 20.00 dB
Modulation: QAM-16
Bandwidth: 20.0 MHz
Signal Power: 9.26e-04 W
Noise Power: 9.26e-06 W
Shannon Capacity: 133.16 Mbps

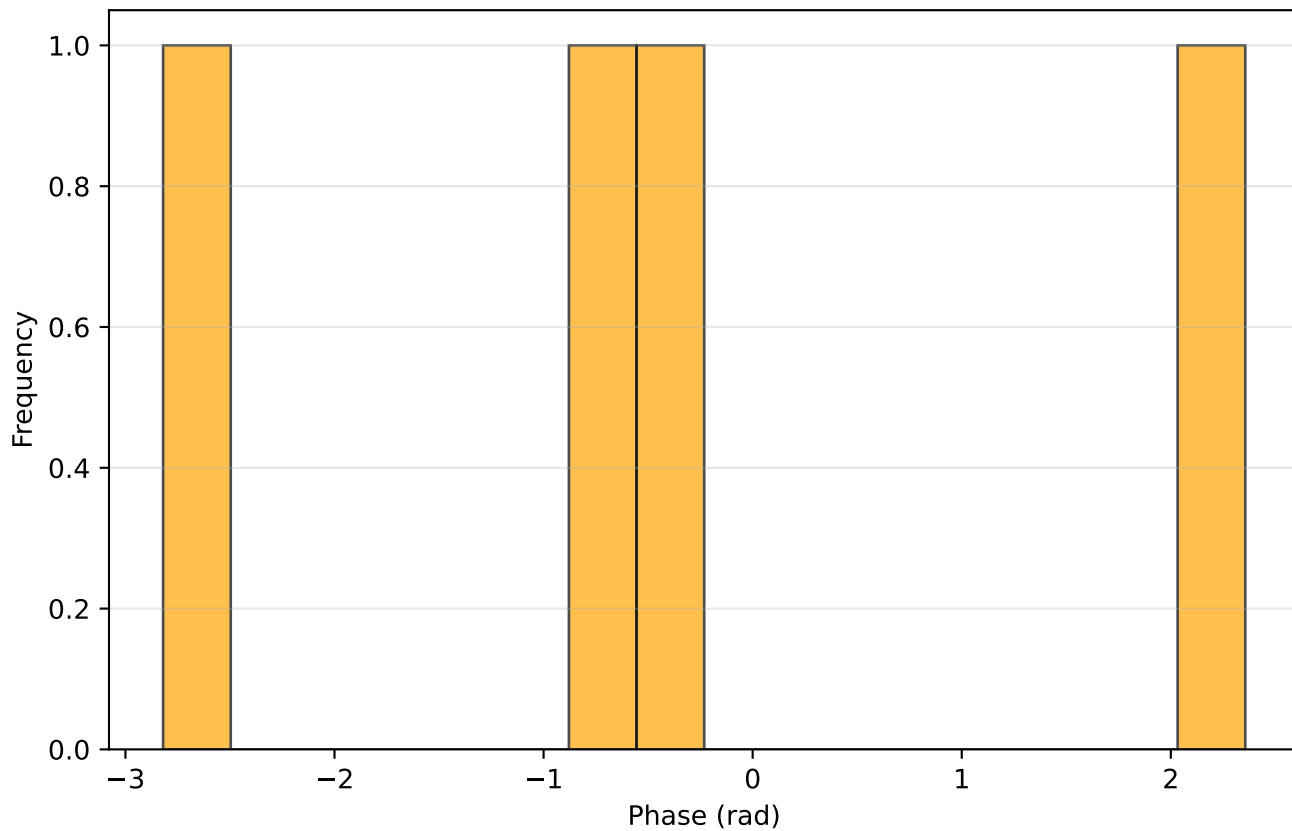
[MSG 17] R1 SNR Analysis

Est. SNR: 20.00 dB
Modulation: QAM-16
Signal Power: 9.26e-04

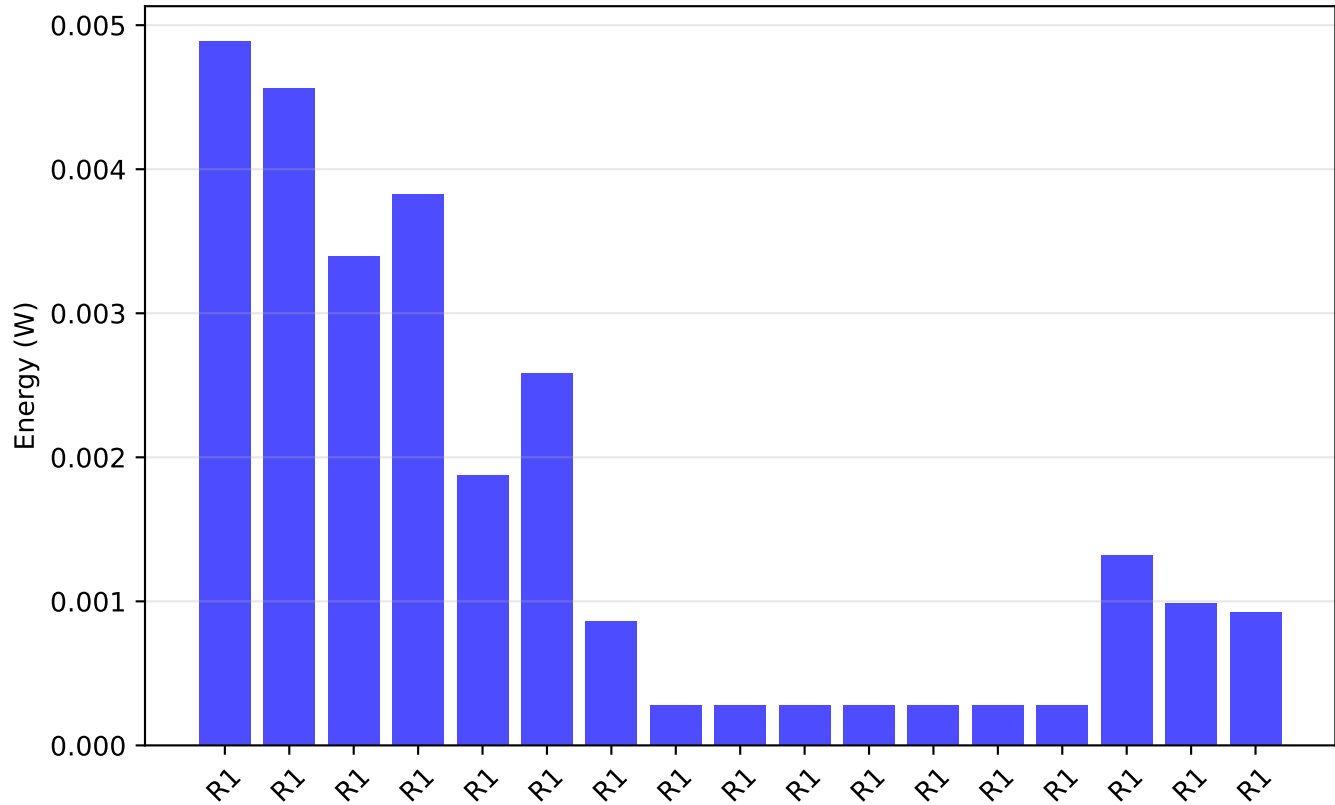
[MSG 17] Amplitude Distribution



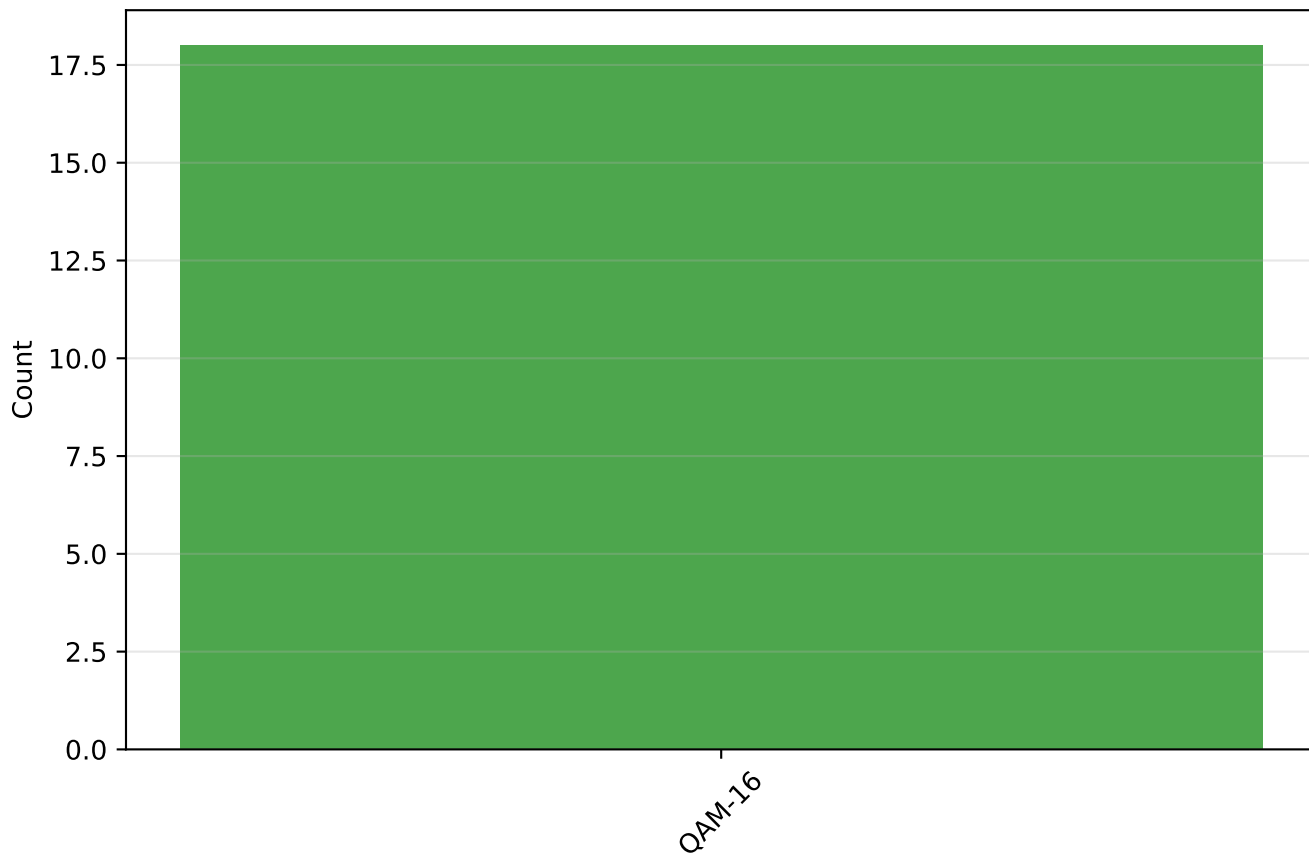
[MSG 17] Phase Distribution



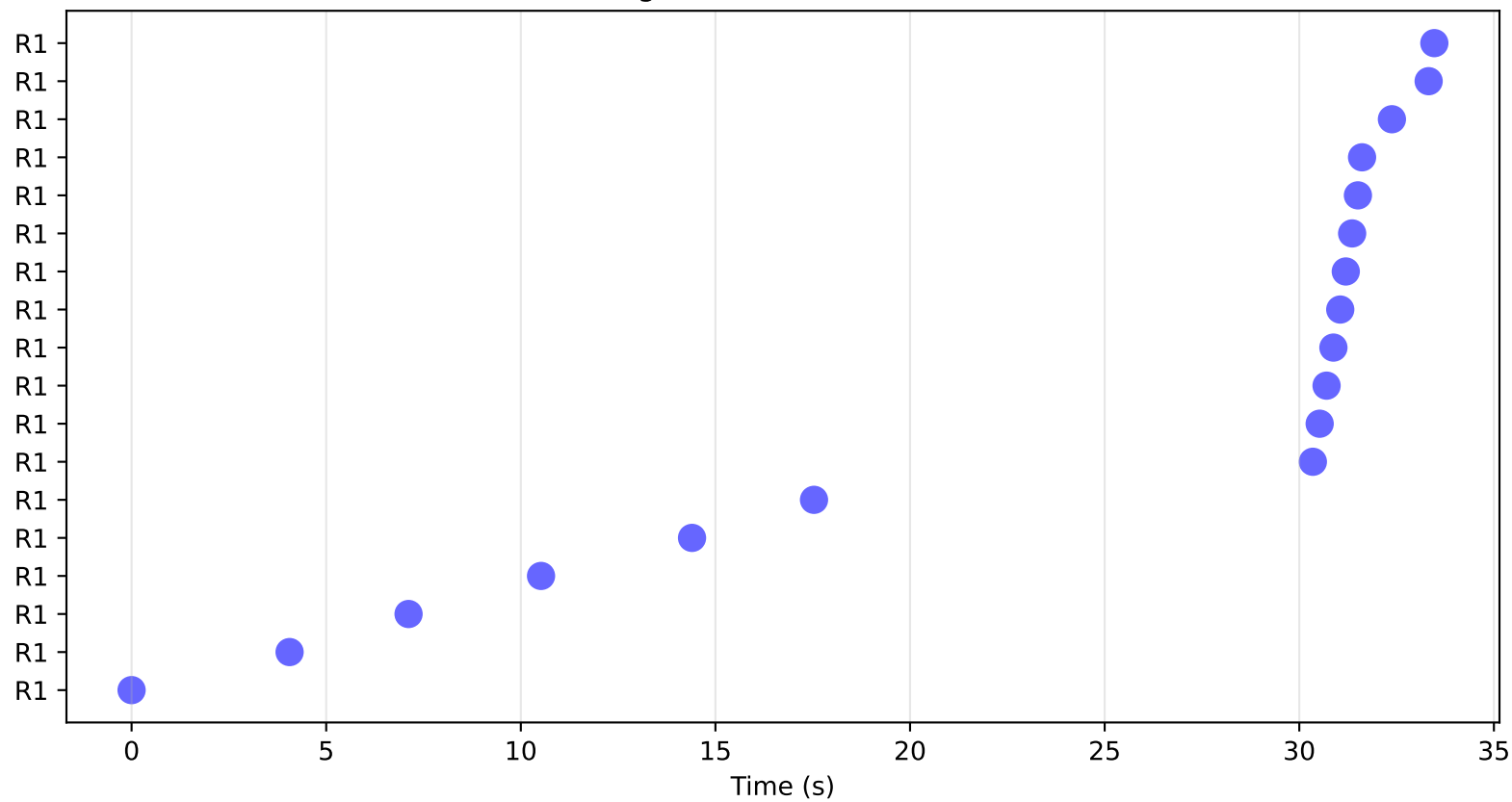
Energy Distribution Across Messages



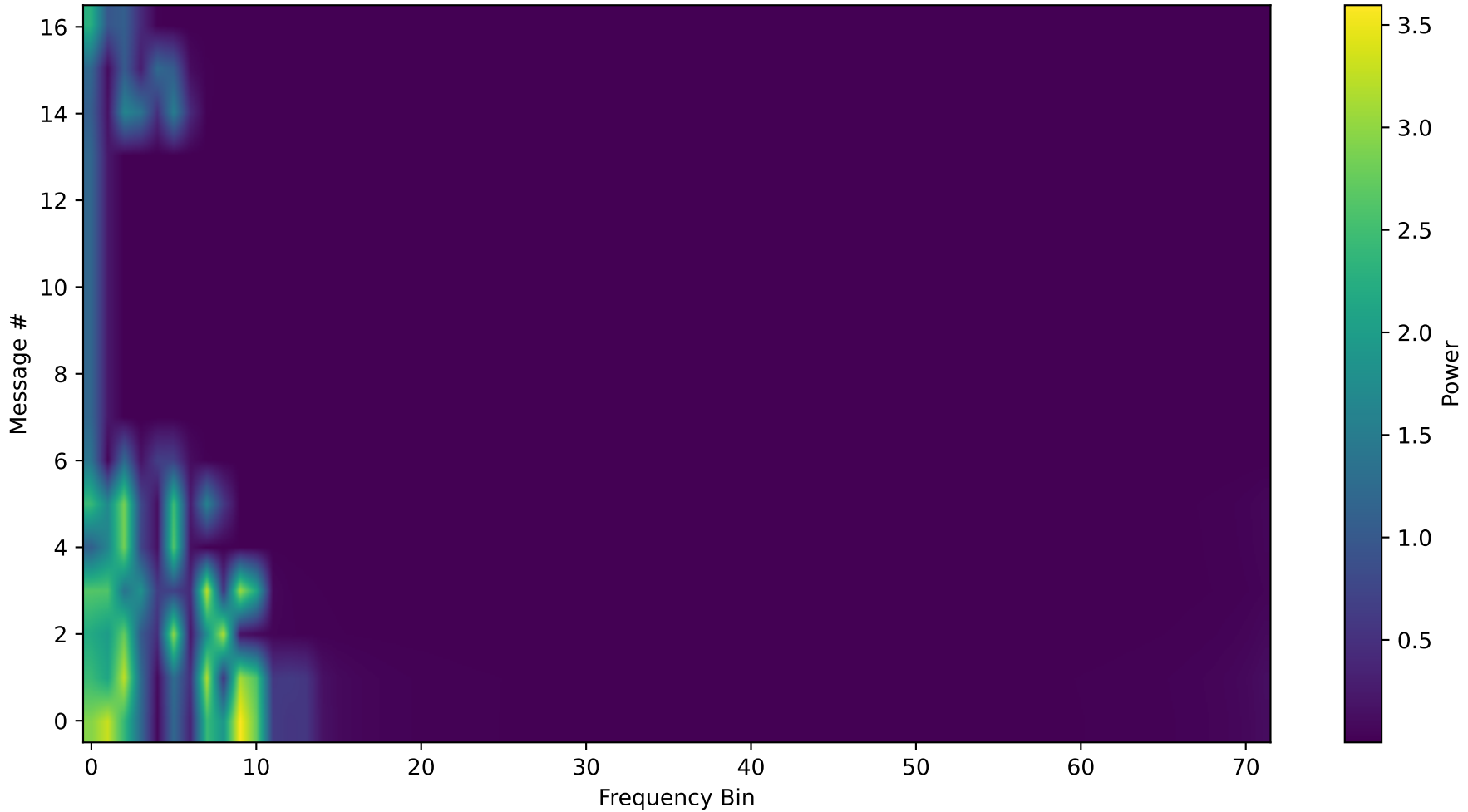
Modulation Scheme Distribution



Message Transmission Timeline



Spectral Evolution Across Messages



SINR Degradation Over Transmission

