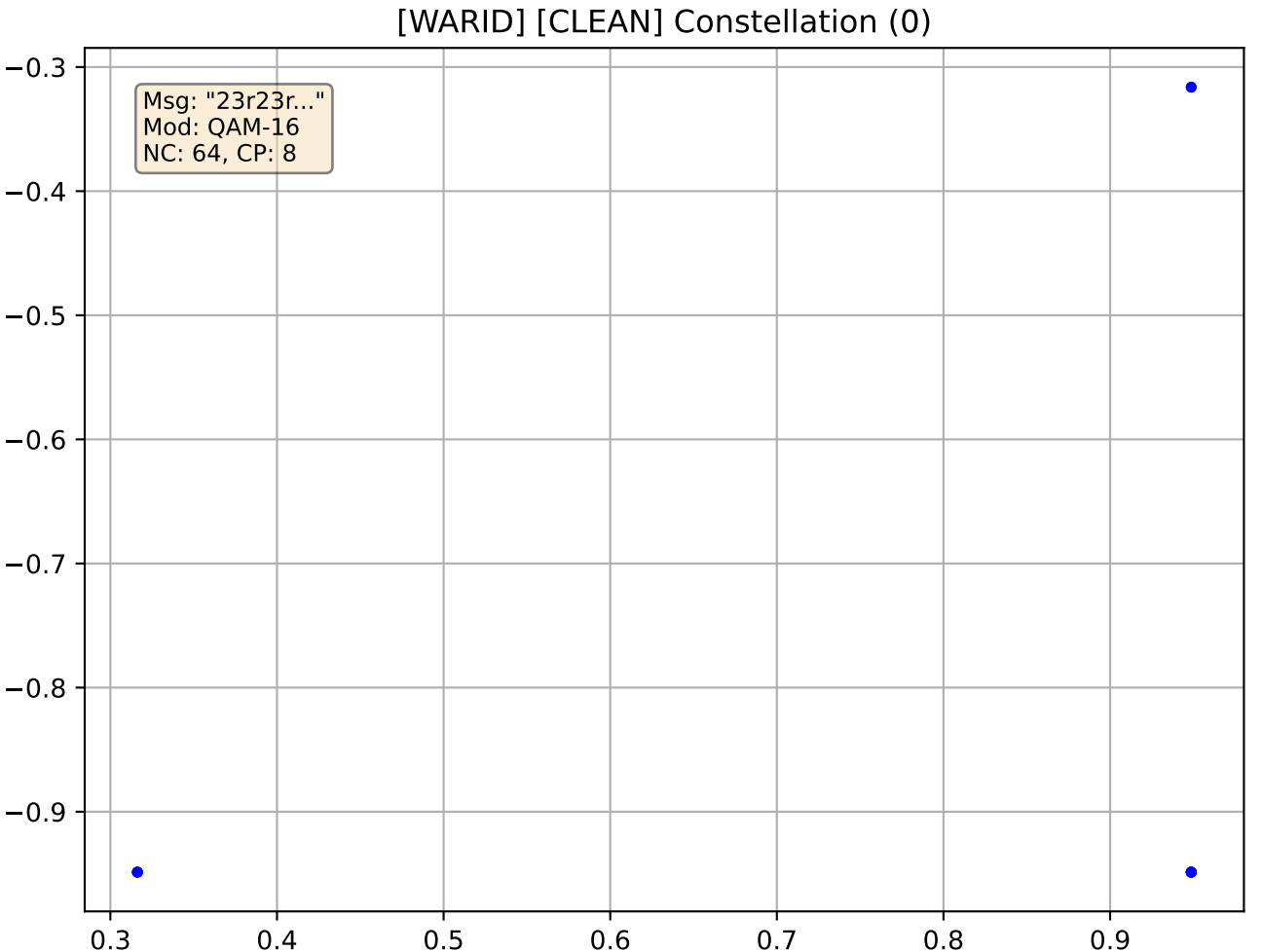
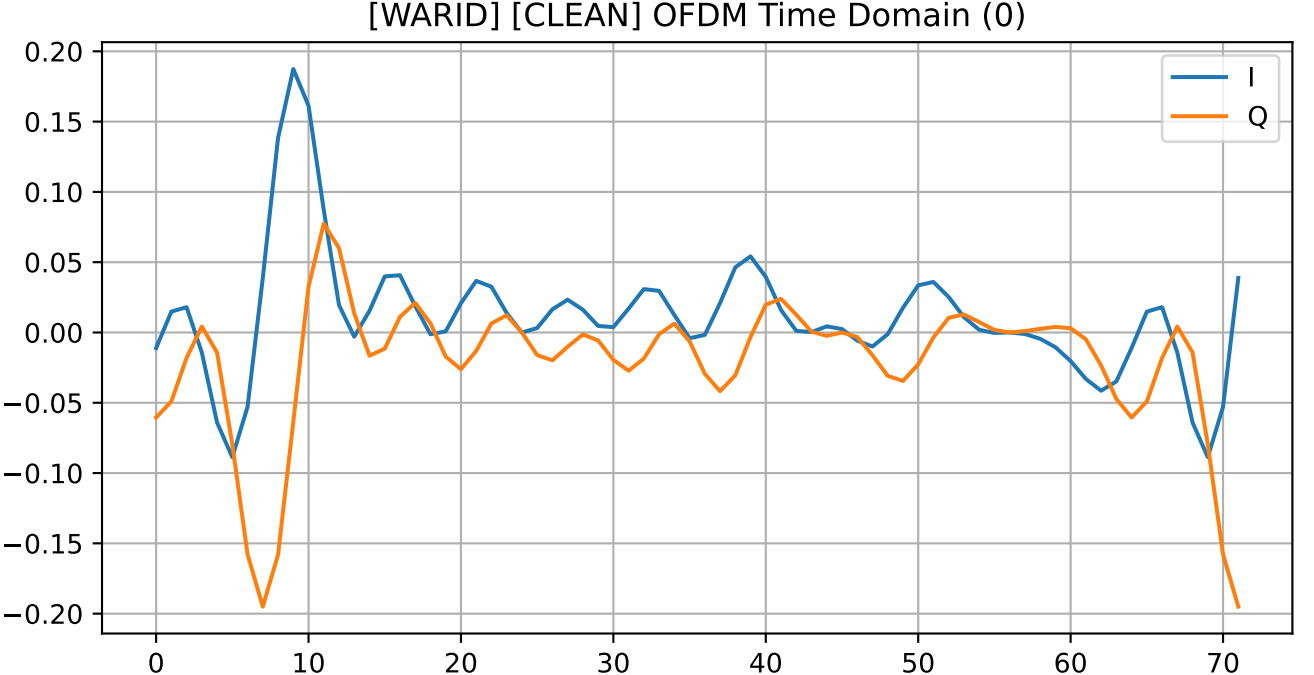
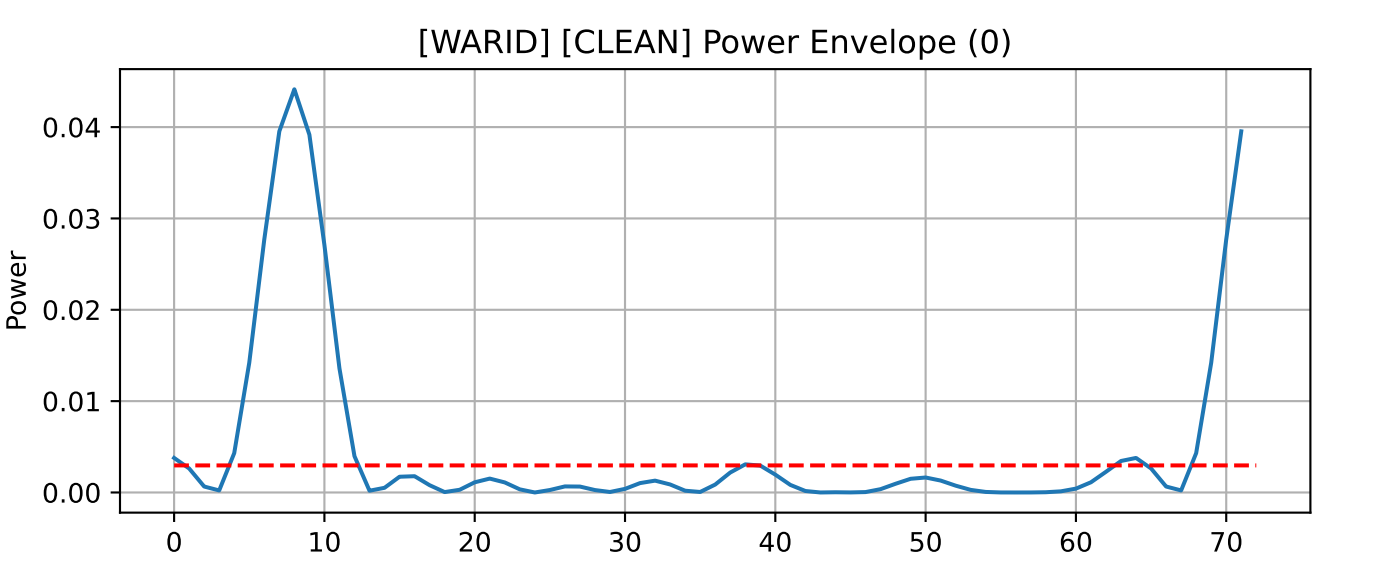
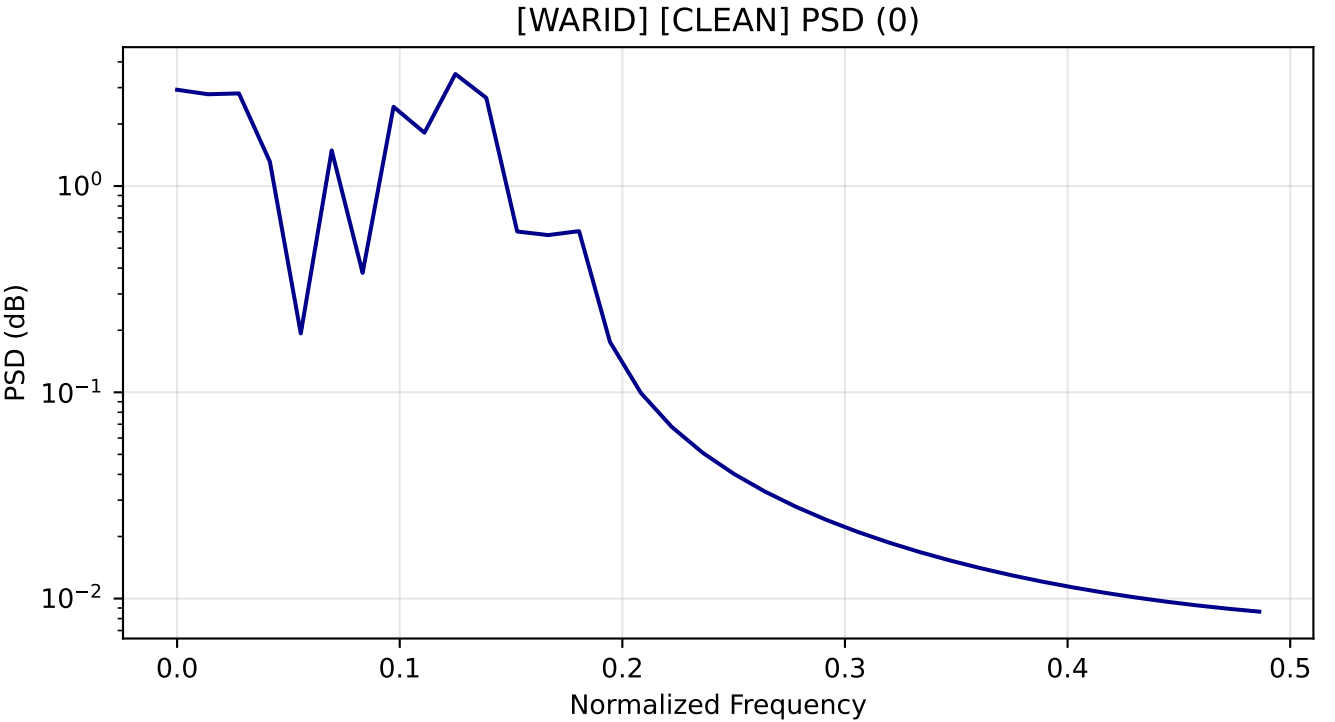
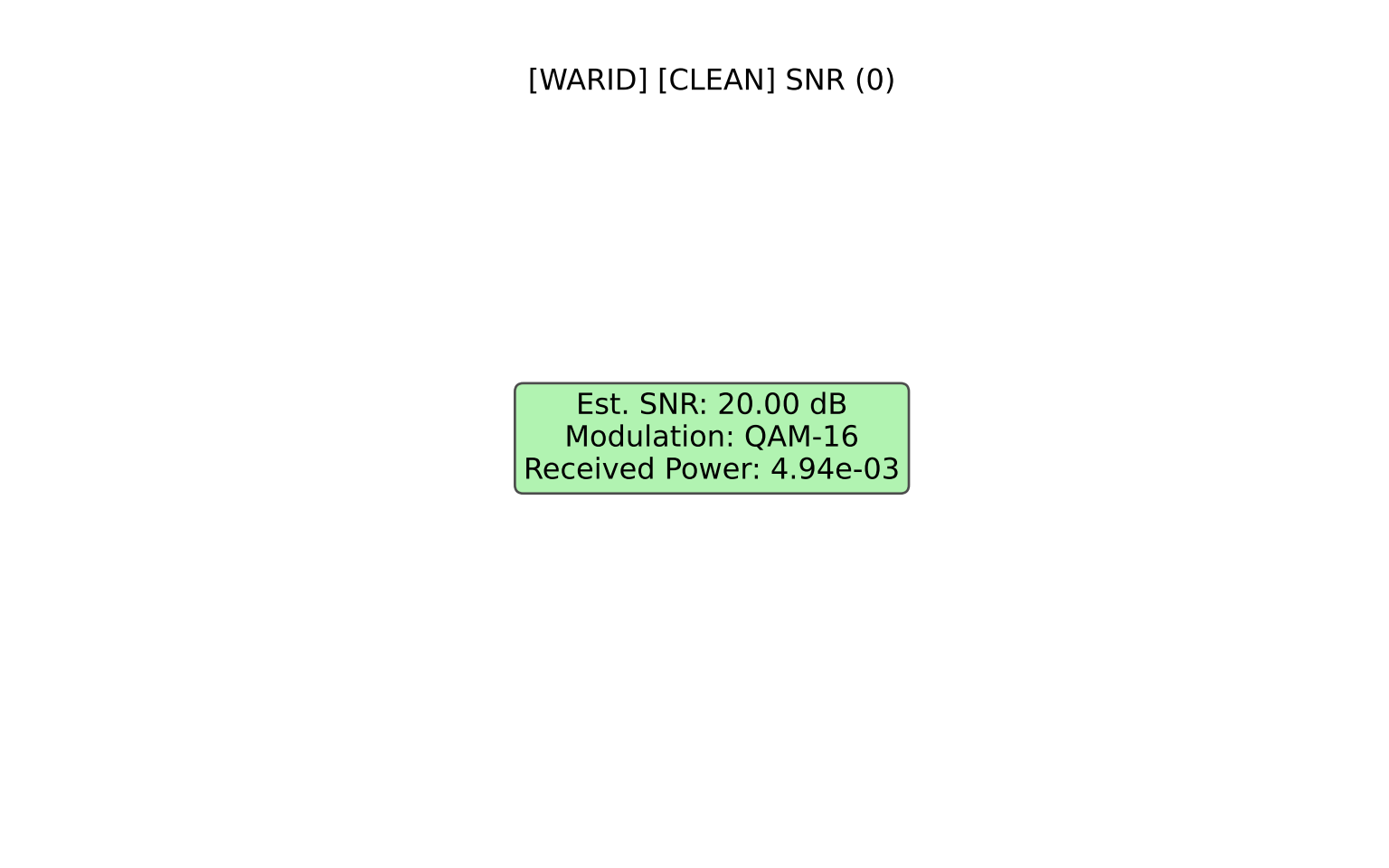
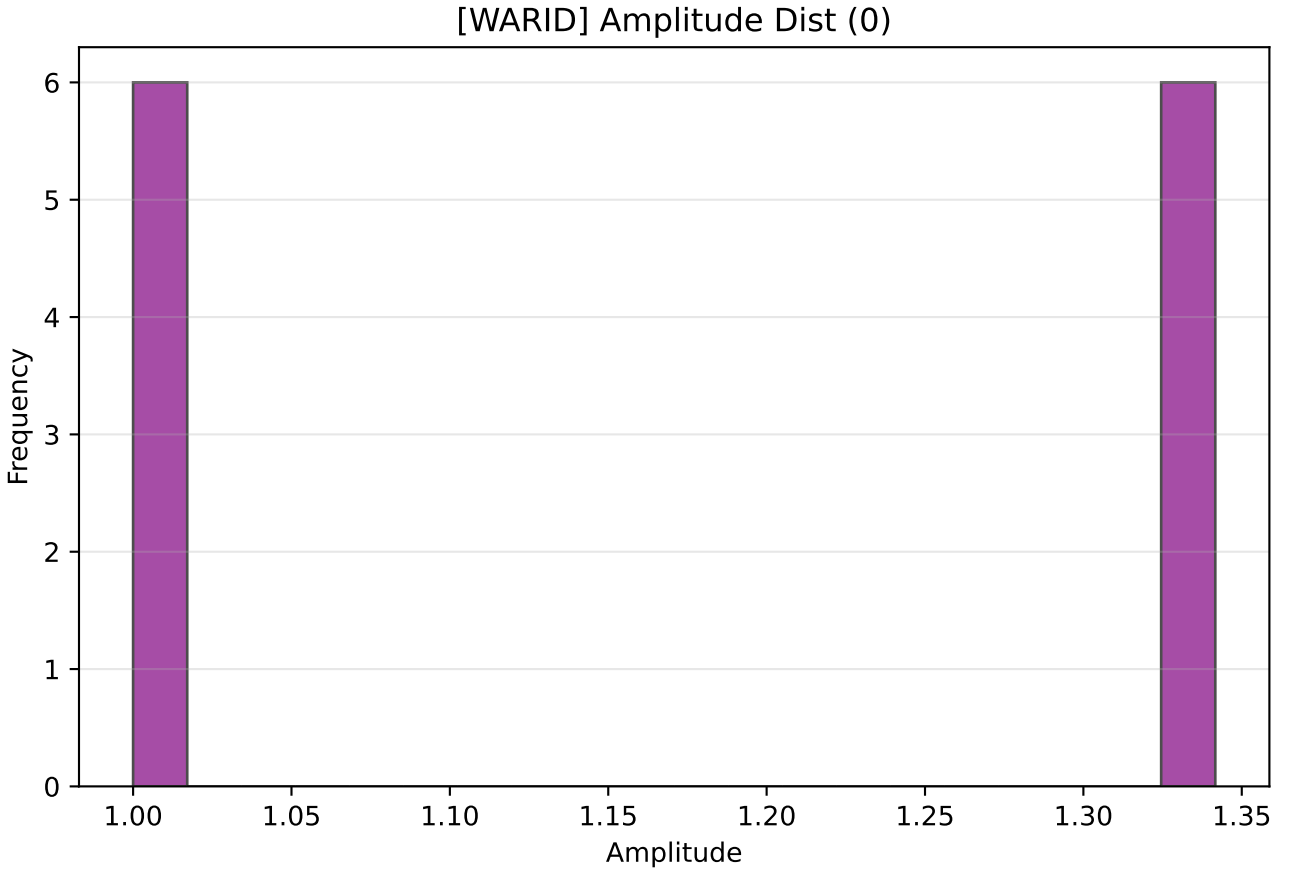

[WARID] [CLEAN] Constellation (0)
Msg: "23r23r..."
Mod: QAM-16
NC: 64, CP: 8
−0.3
−0.4
−0.5
−0.6
−0.7
−0.8
−0.9
0.3
0.4
0.5
0.6
0.7
0.8
0.9

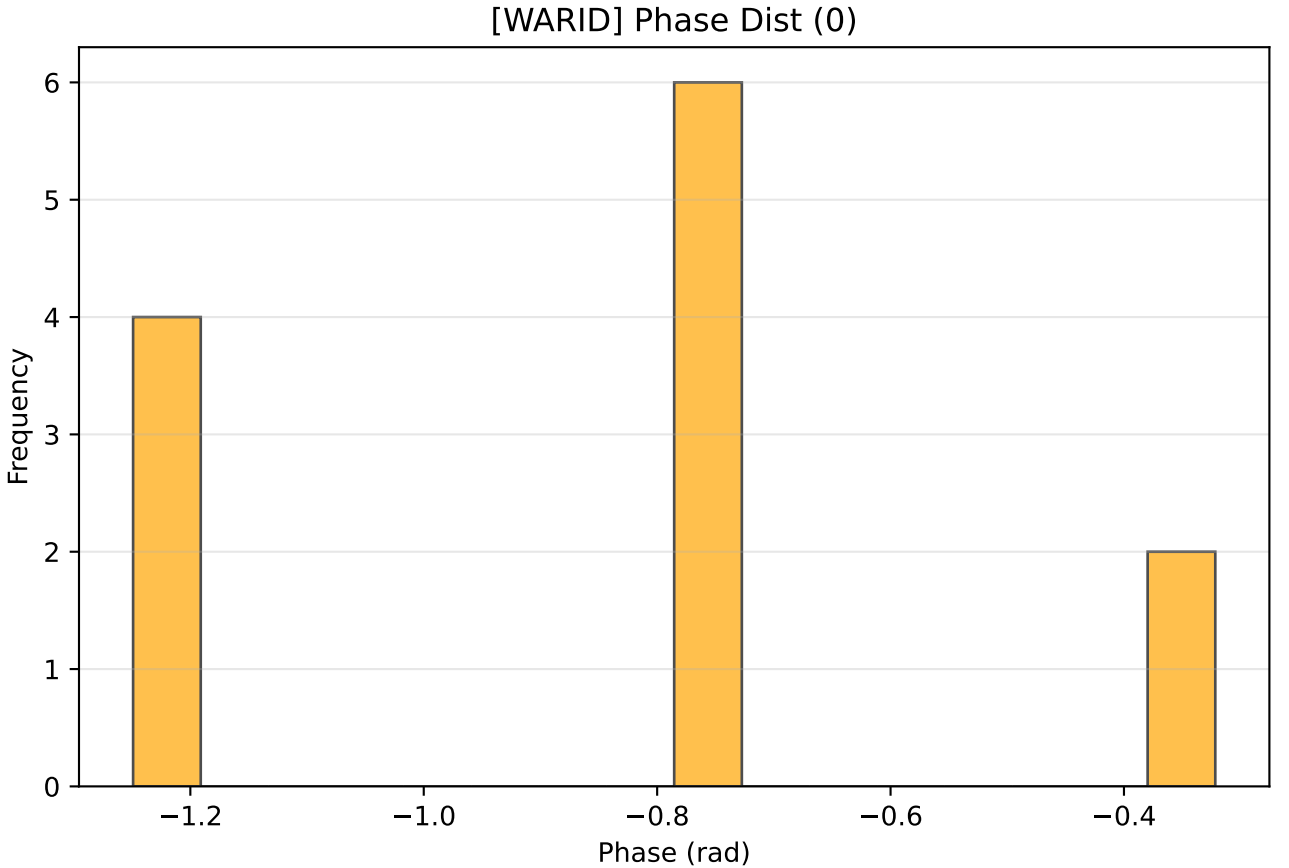

[WARID] [CLEAN] OFDM Time Domain (0)
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
−0.15
−0.20
0
10
20
30
40
50
60
70
I
Q

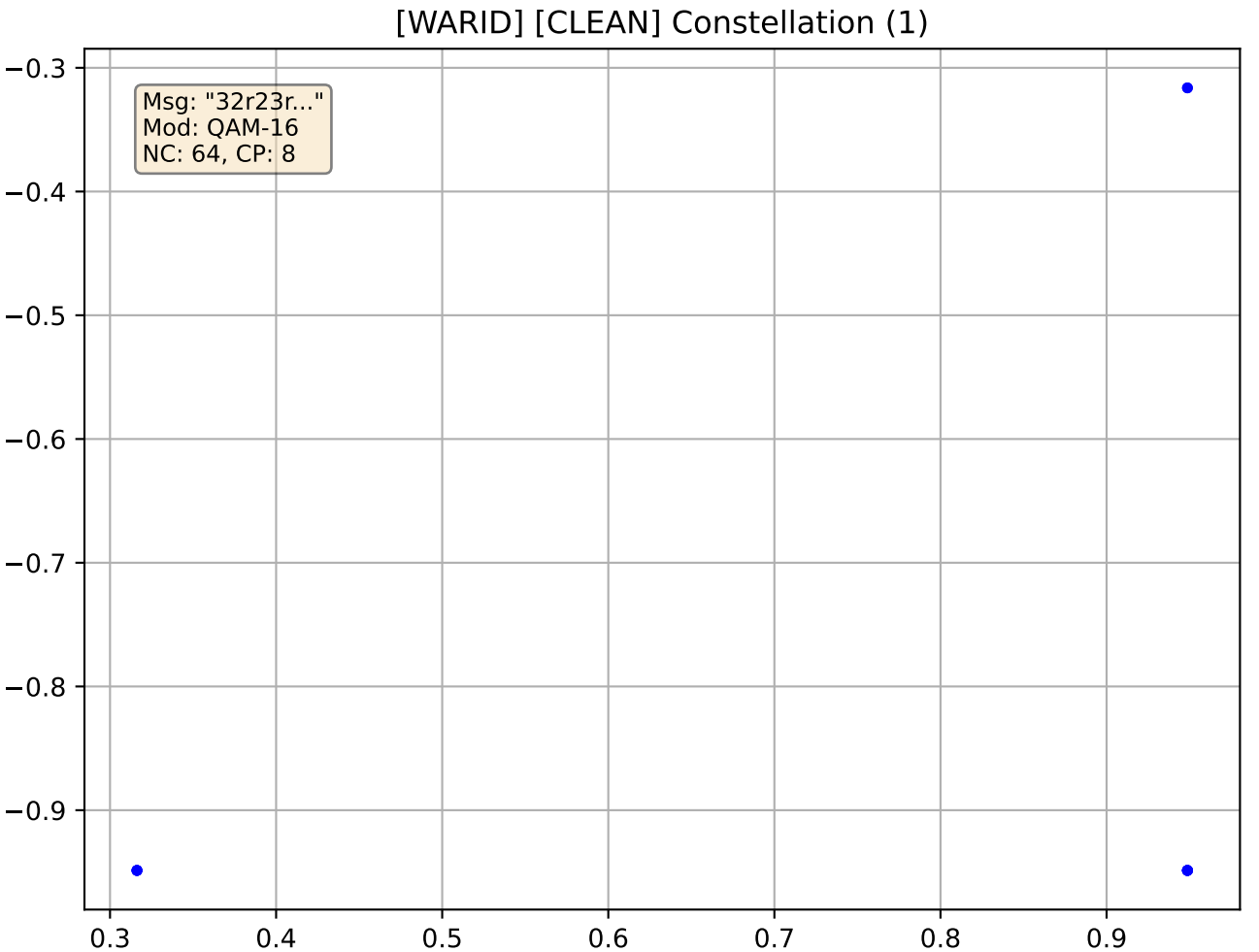

[WARID] [CLEAN] Power Envelope (0)
Power
0.00
0.01
0.02
0.03
0.04
0
10
20
30
40
50
60
70

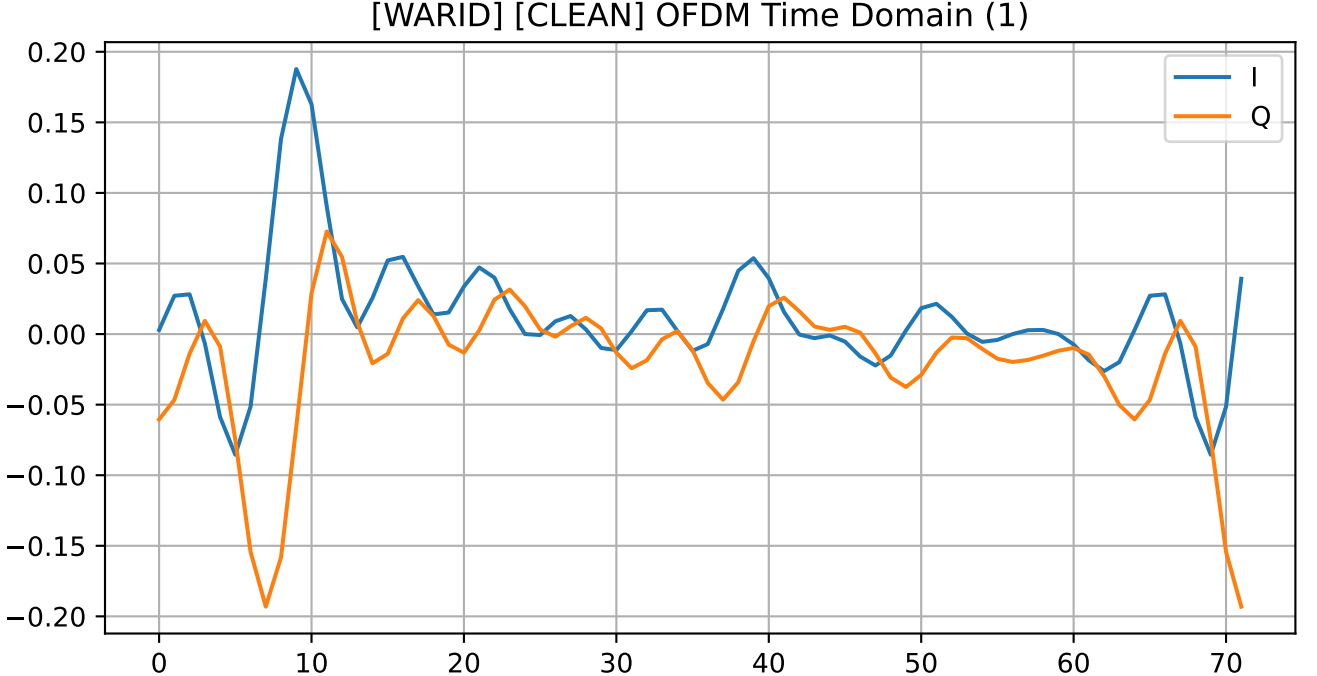

[WARID] [CLEAN] PSD (0)
PSD (dB)
10^{0}
10^{-1}
10^{-2}
0.0
0.1
0.2
0.3
0.4
0.5
Normalized Frequency

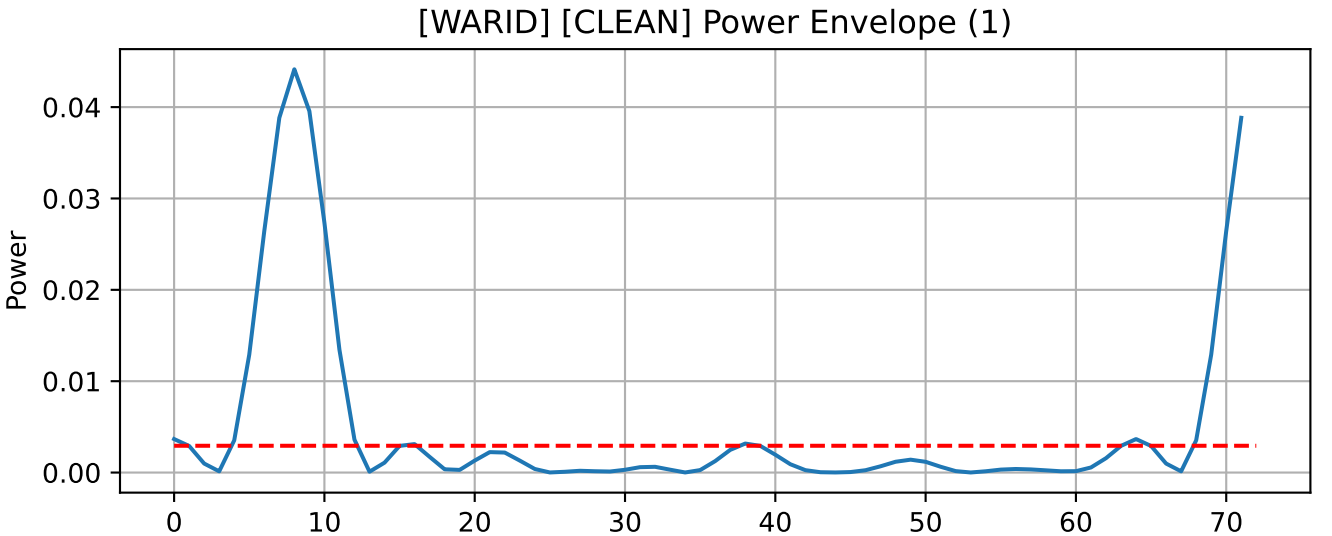

[WARID] [CLEAN] SNR (0)
Est. SNR: 20.00 dB
Modulation: QAM-16
Received Power: 4.94e-03

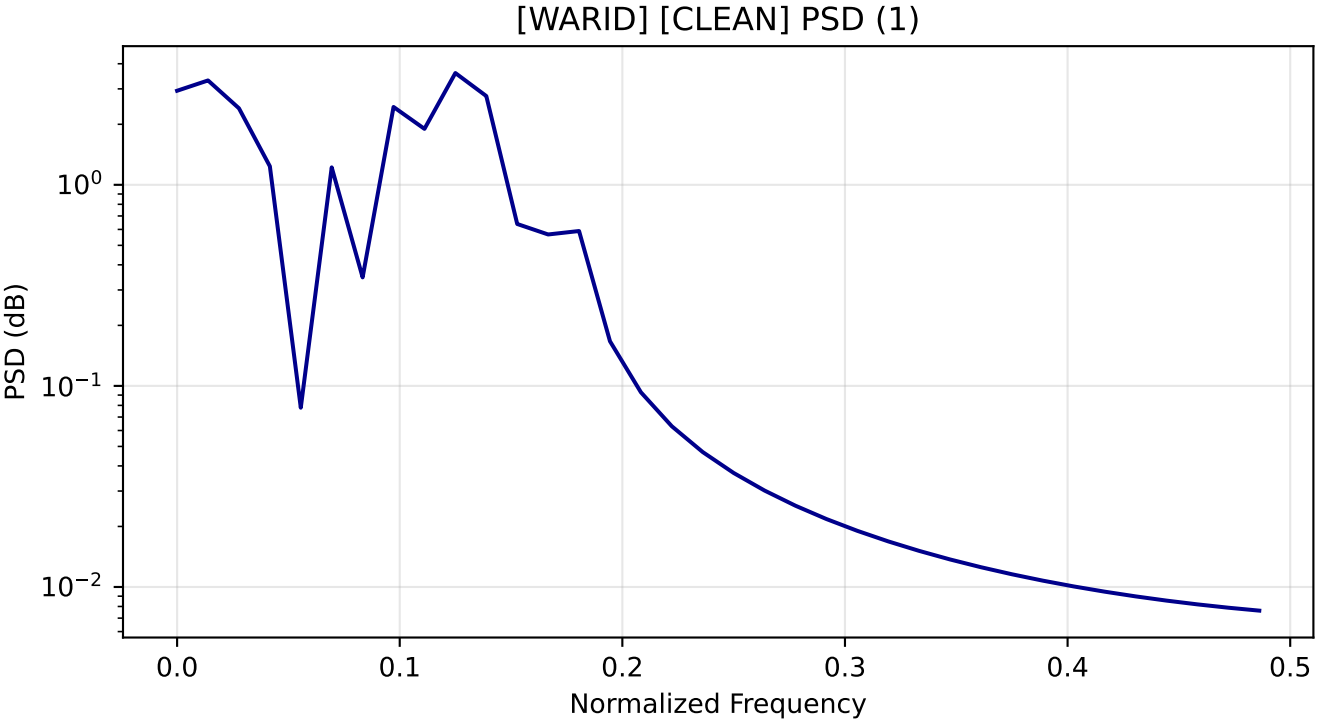

[WARID] Amplitude Dist (0)
Frequency
Amplitude
0
1
2
3
4
5
6
1.00
1.05
1.10
1.15
1.20
1.25
1.30
1.35


[WARID] Phase Dist (0)
Frequency
0
1
2
3
4
5
6
−1.2
−1.0
−0.8
−0.6
−0.4
Phase (rad)

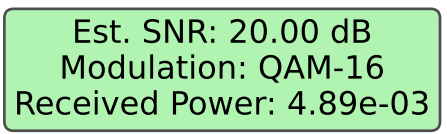

[WARID] [CLEAN] Constellation (1)
Msg: "32r23r..."
Mod: QAM-16
NC: 64, CP: 8
−0.3
−0.4
−0.5
−0.6
−0.7
−0.8
−0.9
0.3
0.4
0.5
0.6
0.7
0.8
0.9

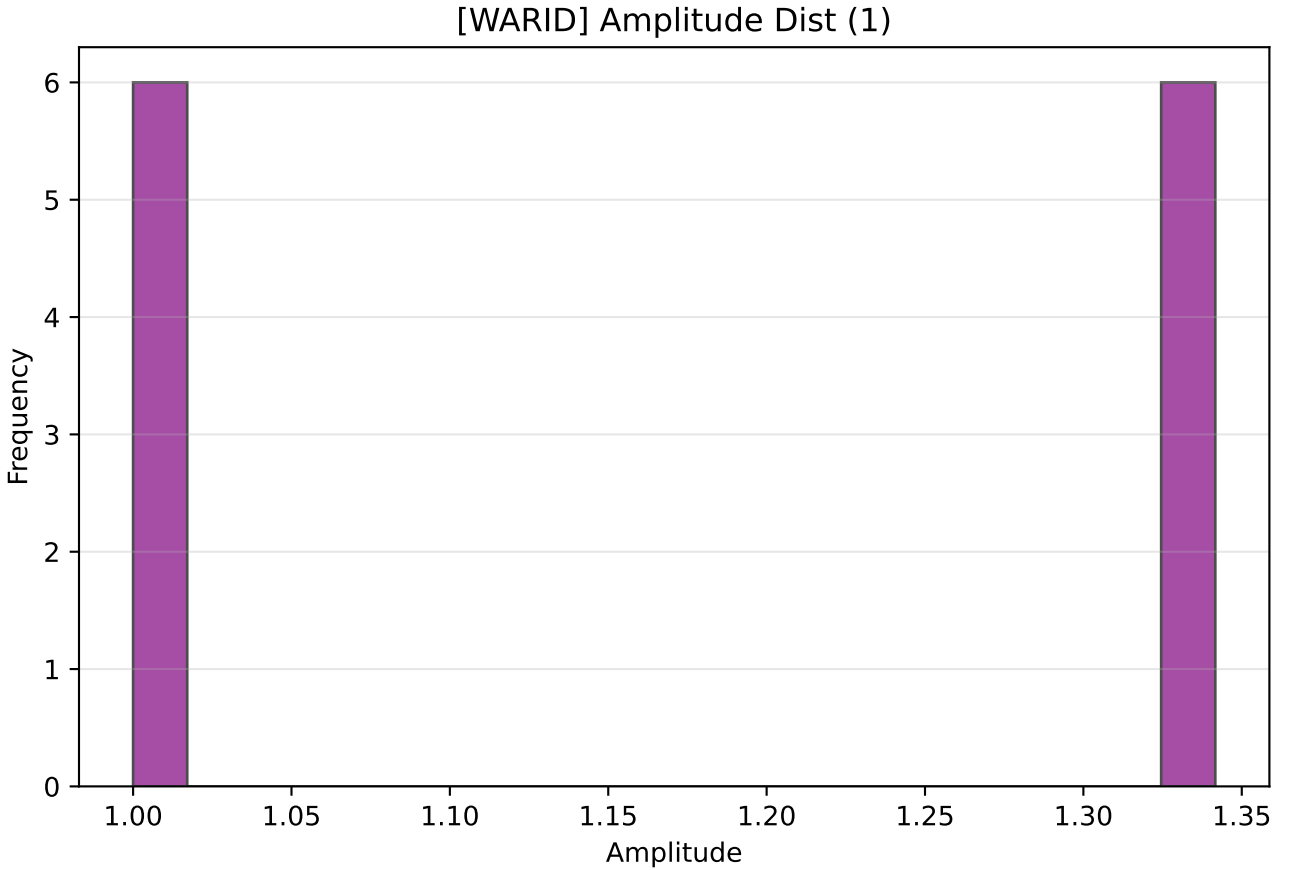

[WARID] [CLEAN] OFDM Time Domain (1)
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
−0.15
−0.20
0
10
20
30
40
50
60
70
I
Q

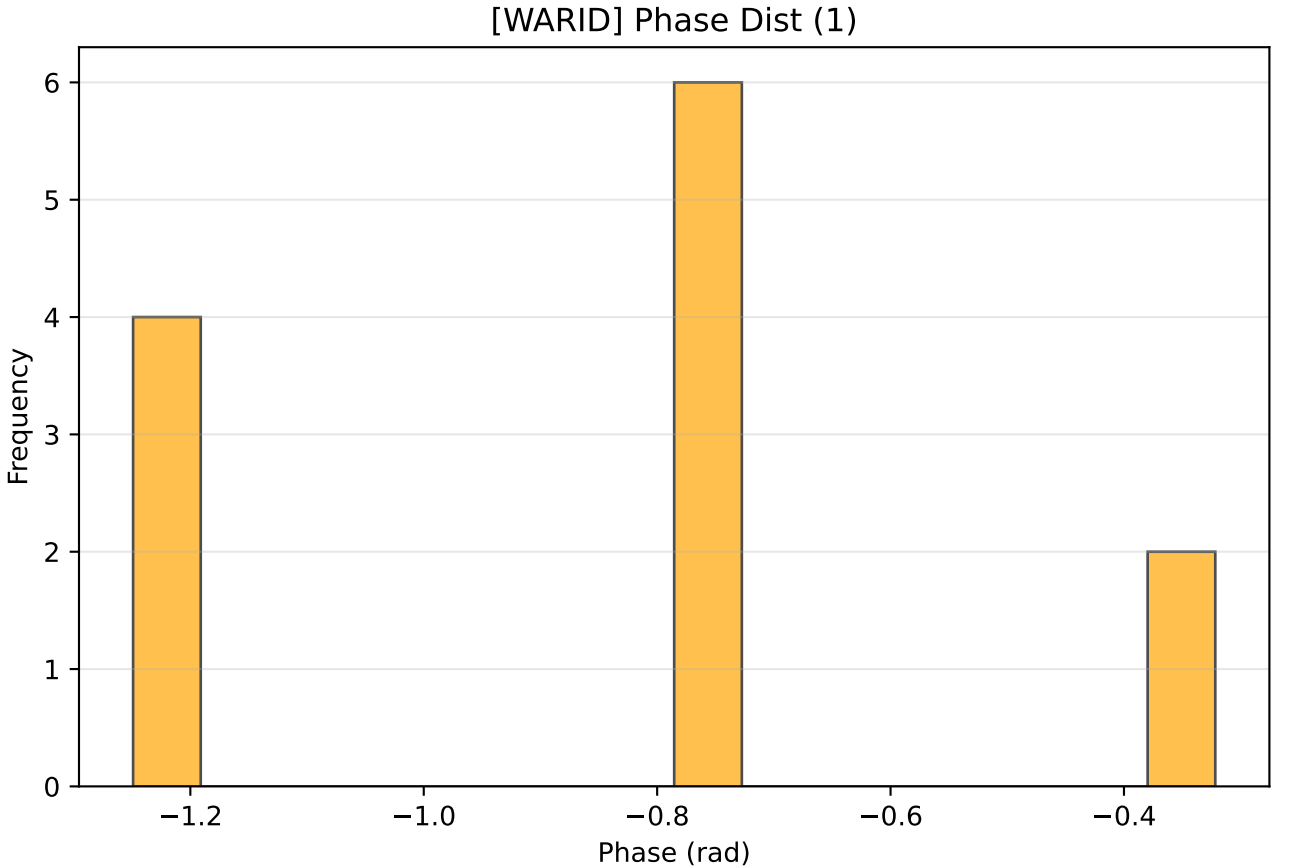

[WARID] [CLEAN] Power Envelope (1)
Power
0.04
0.03
0.02
0.01
0.00
0
10
20
30
40
50
60
70

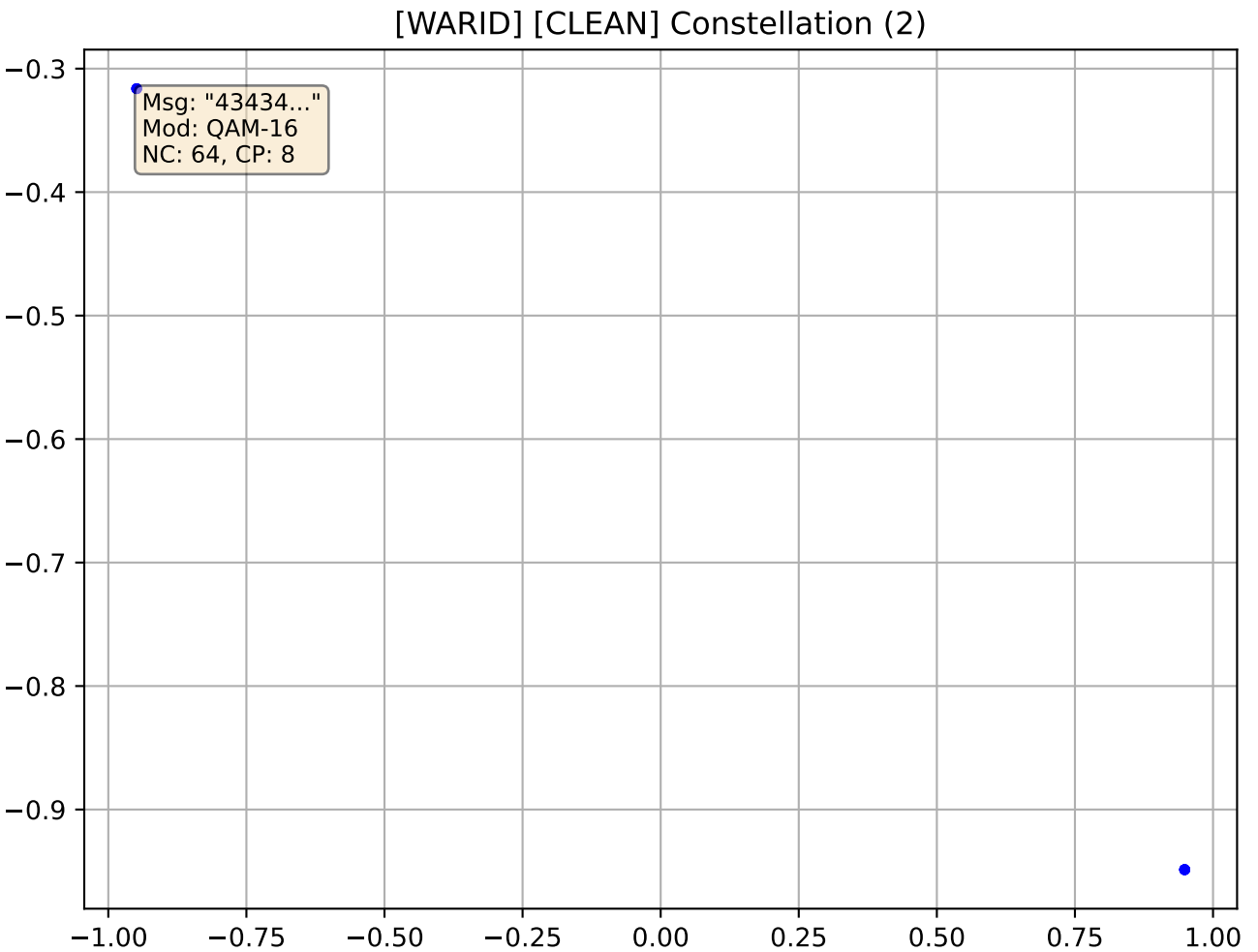

[WARID] [CLEAN] PSD (1)
PSD (dB)
10^{0}
10^{-1}
10^{-2}
0.0
0.1
0.2
0.3
0.4
0.5
Normalized Frequency

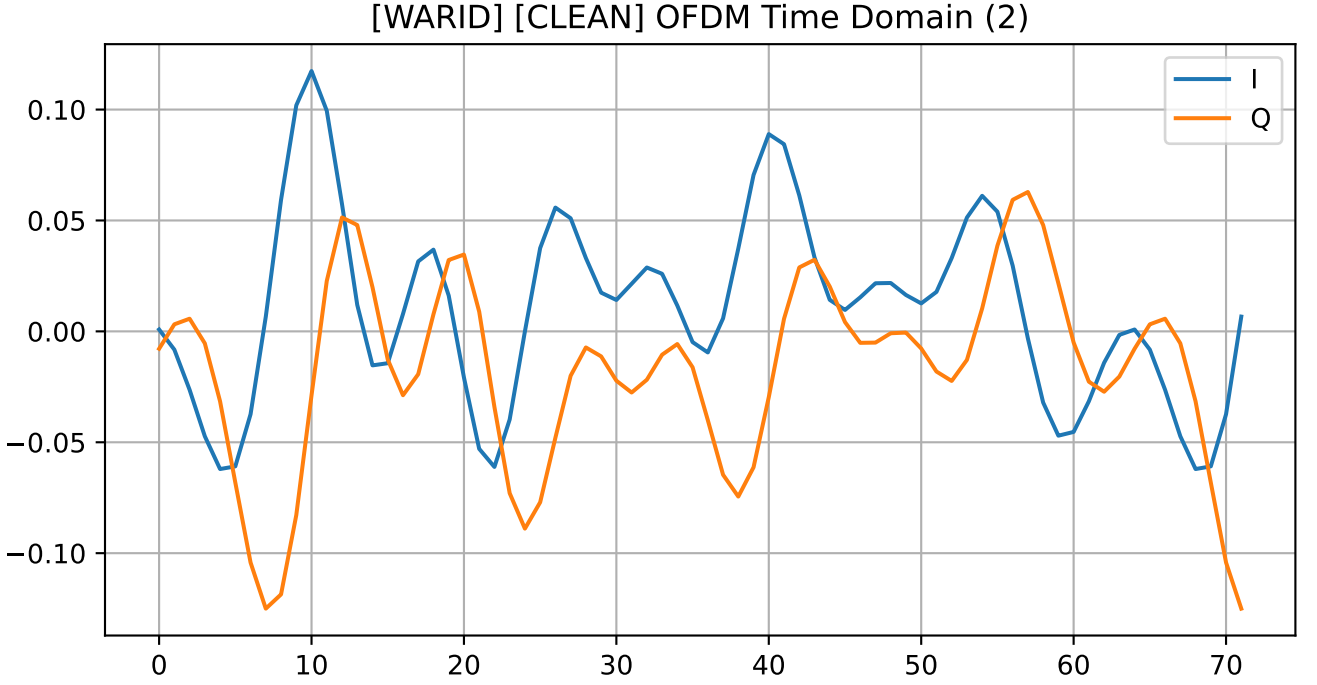
[WARID] [CLEAN] SNR (1)

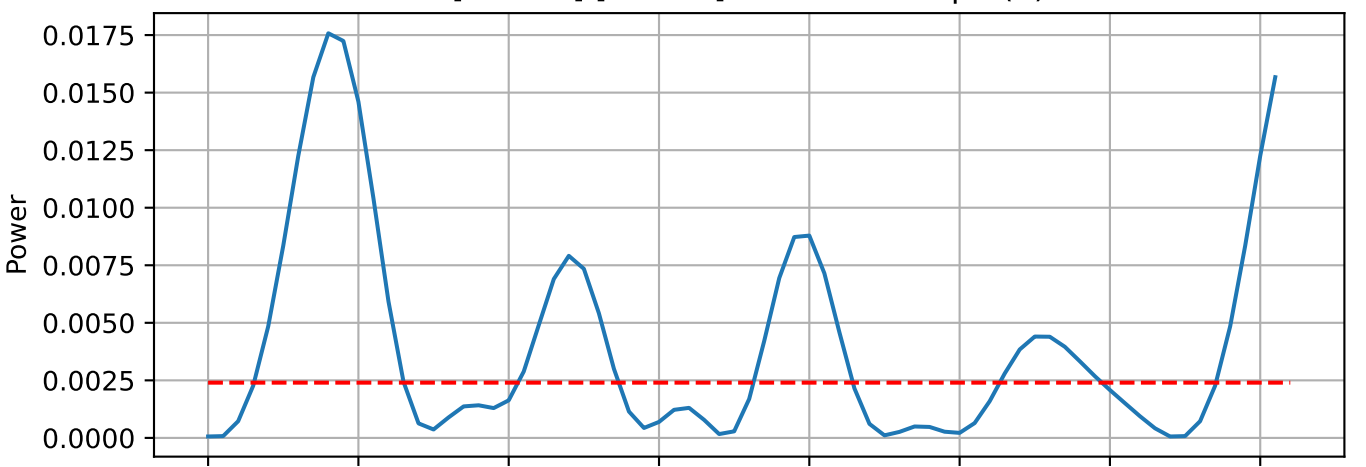


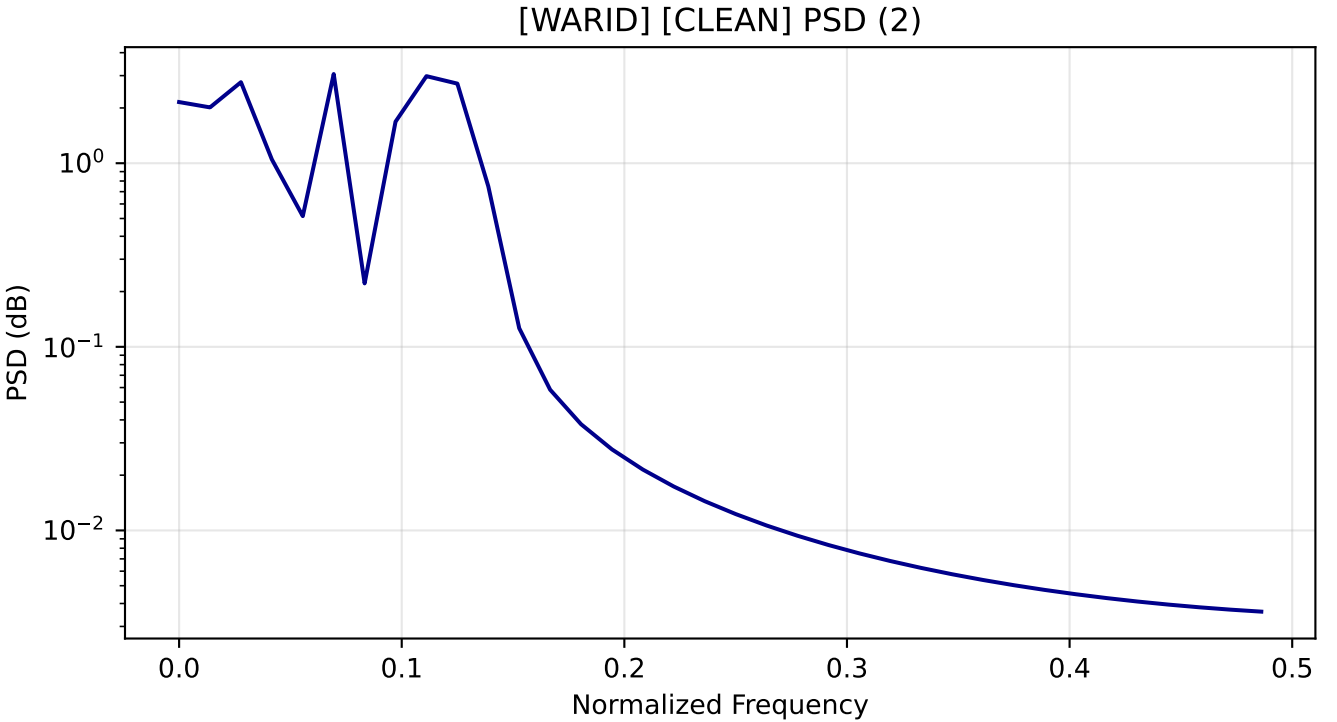

[WARID] Amplitude Dist (1)
Frequency
Amplitude
0
1
2
3
4
5
6
1.00
1.05
1.10
1.15
1.20
1.25
1.30
1.35


[WARID] Phase Dist (1)
Frequency
0
1
2
3
4
5
6
−1.2
−1.0
−0.8
−0.6
−0.4
Phase (rad)

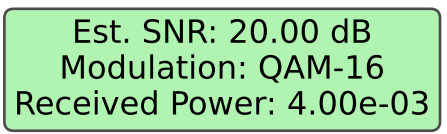

[WARID] [CLEAN] Constellation (2)
Msg: "43434..."
Mod: QAM-16
NC: 64, CP: 8
−0.3
−0.4
−0.5
−0.6
−0.7
−0.8
−0.9
−1.00
−0.75
−0.50
−0.25
0.00
0.25
0.50
0.75
1.00

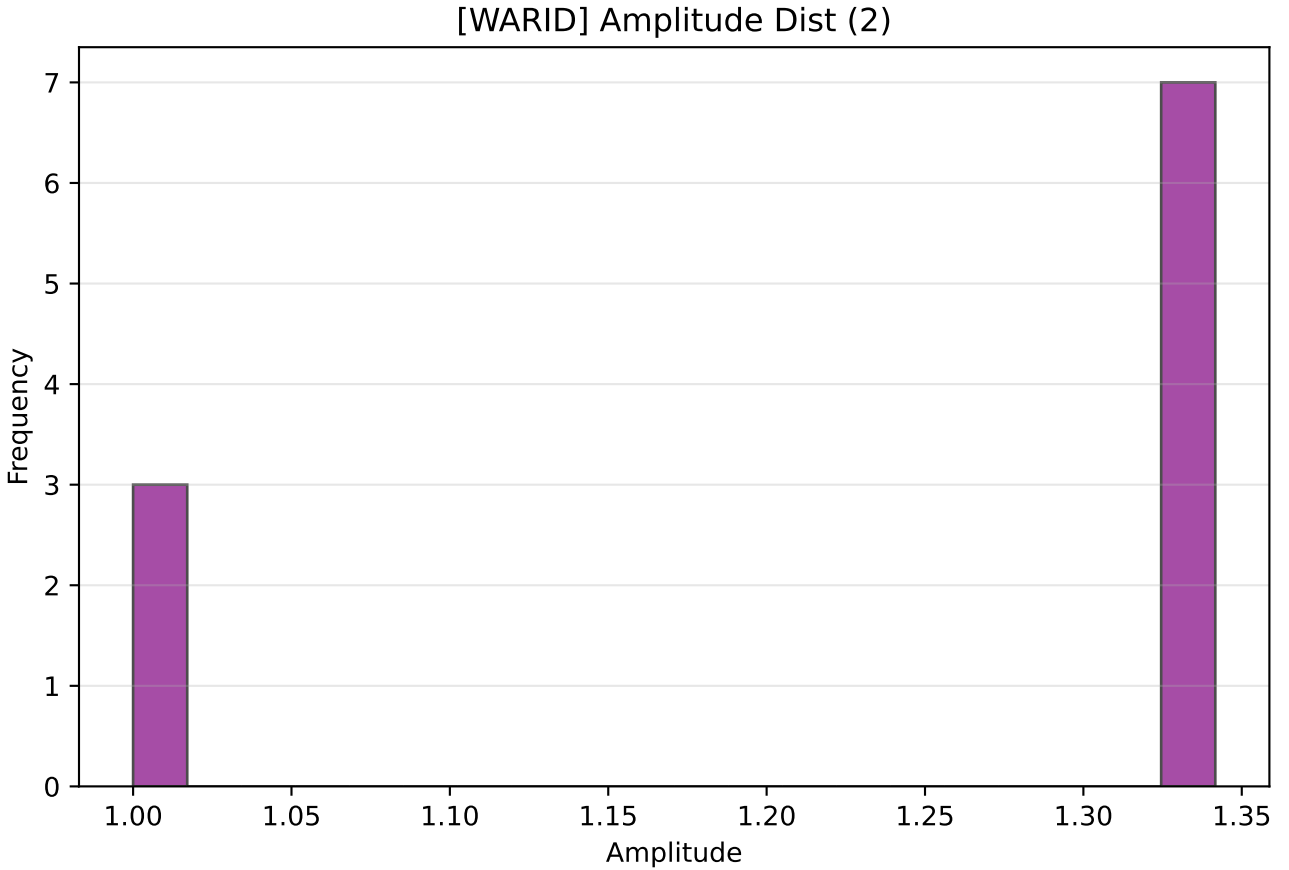

[WARID] [CLEAN] OFDM Time Domain (2)
I
Q
0.10
0.05
0.00
−0.05
−0.10
0
10
20
30
40
50
60
70

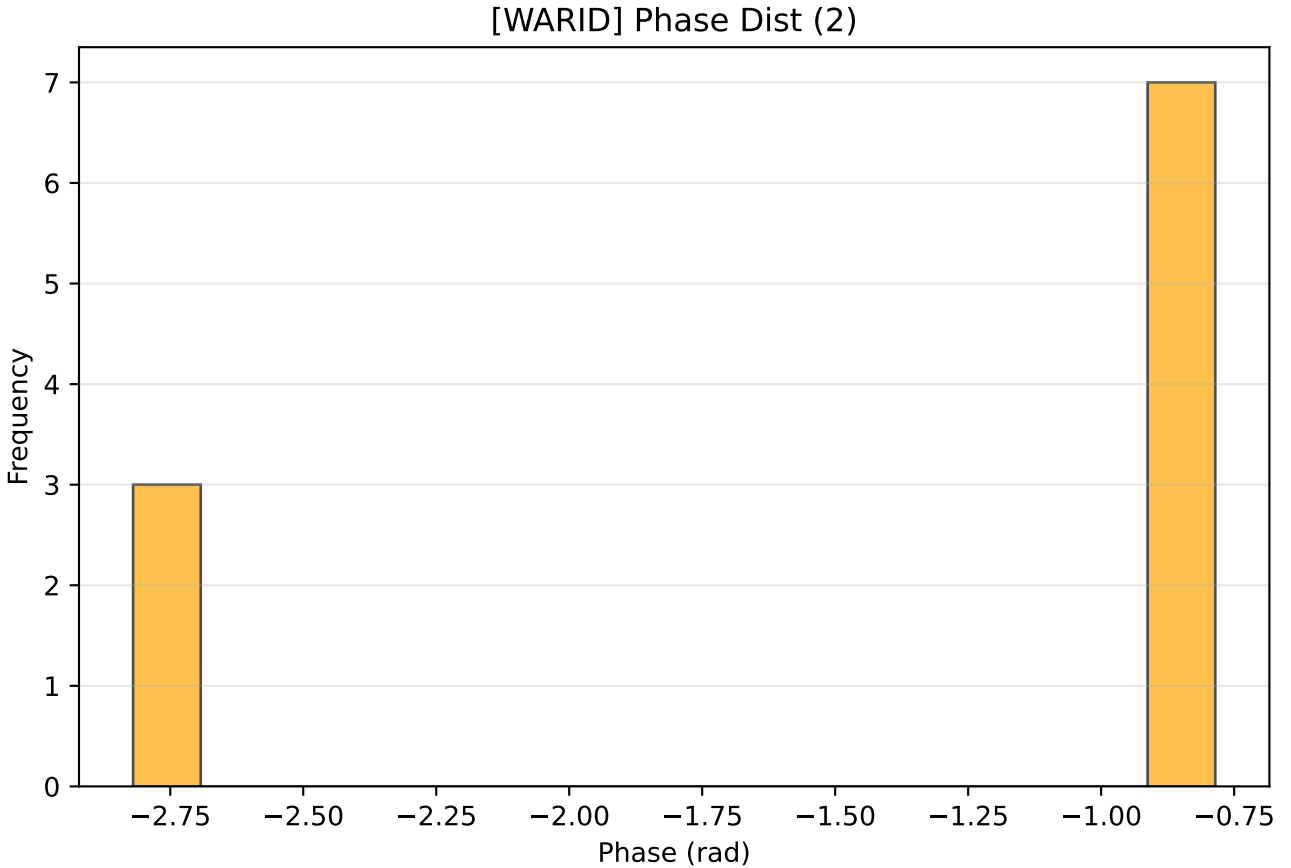

[WARID] [CLEAN] Power Envelope (2)
Power
0.0175
0.0150
0.0125
0.0100
0.0075
0.0050
0.0025
0.0000
0
10
20
30
40
50
60
70

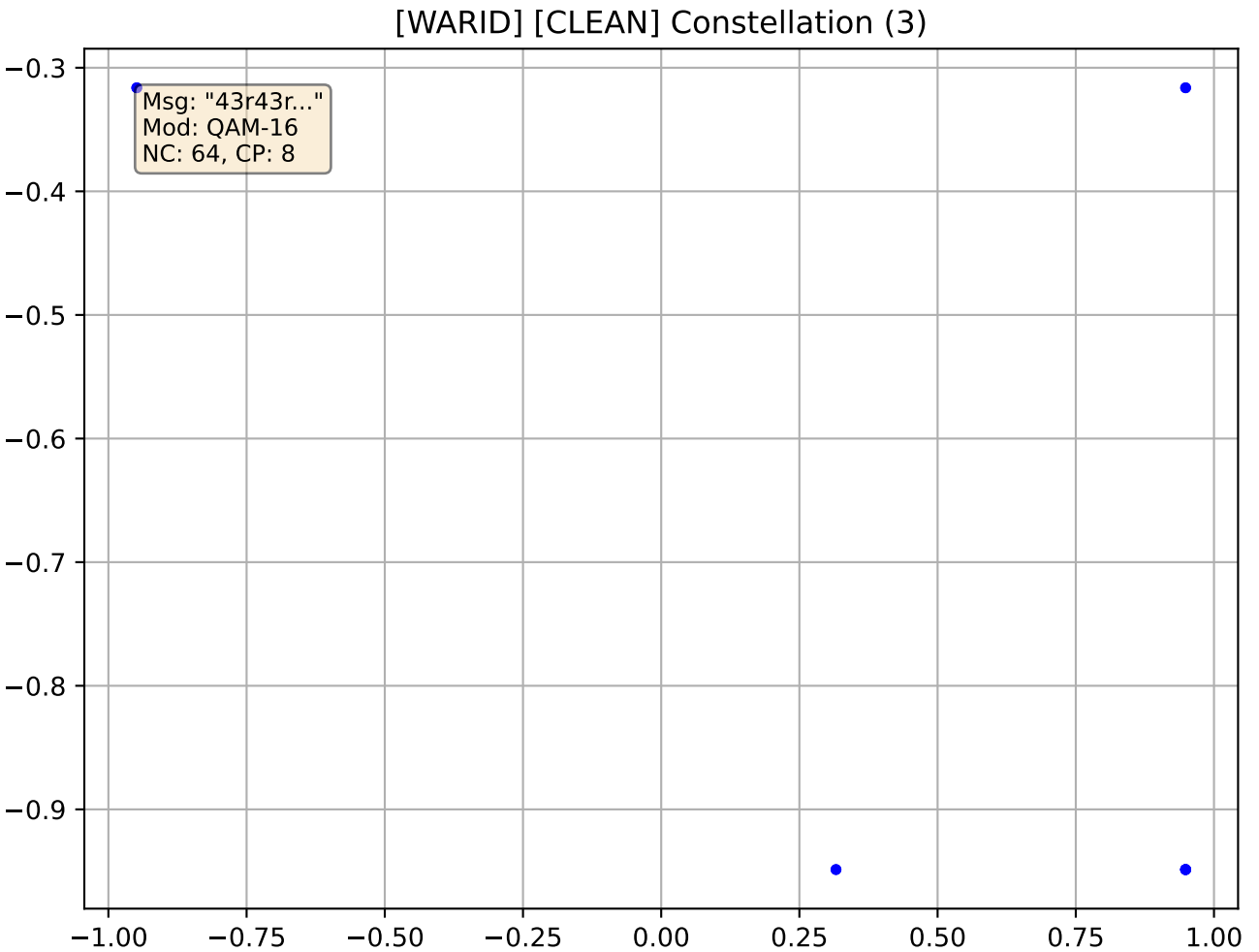

[WARID] [CLEAN] PSD (2)
PSD (dB)
10^{0}
10^{-1}
10^{-2}
0.0
0.1
0.2
0.3
0.4
0.5
Normalized Frequency

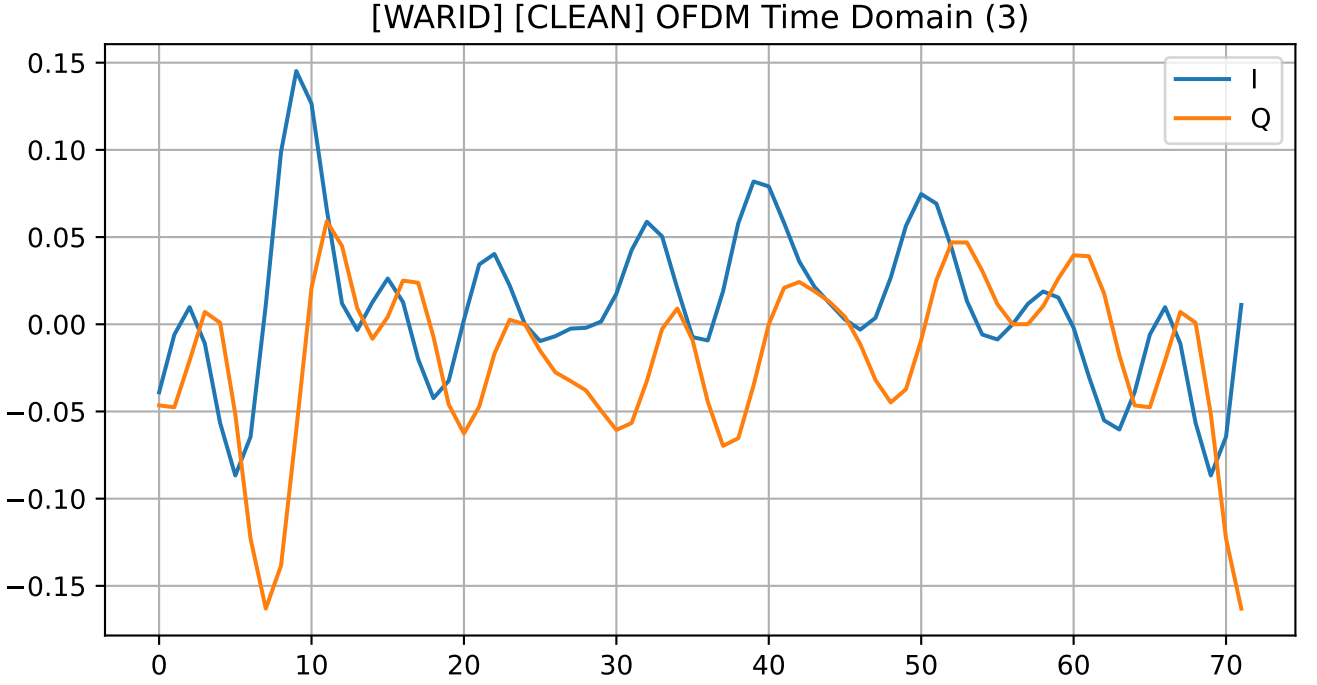
[WARID] [CLEAN] SNR (2)

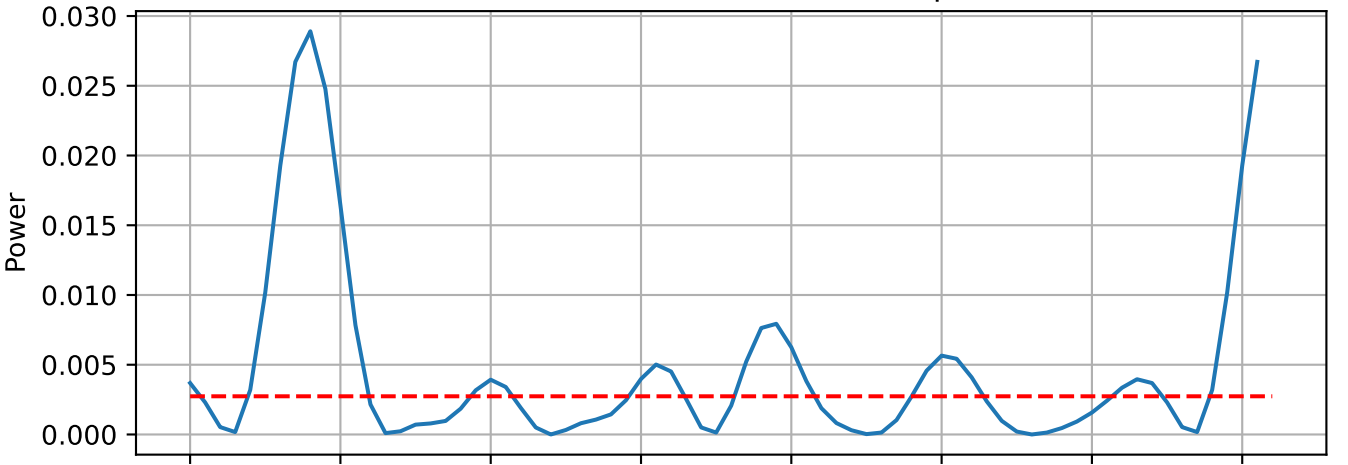


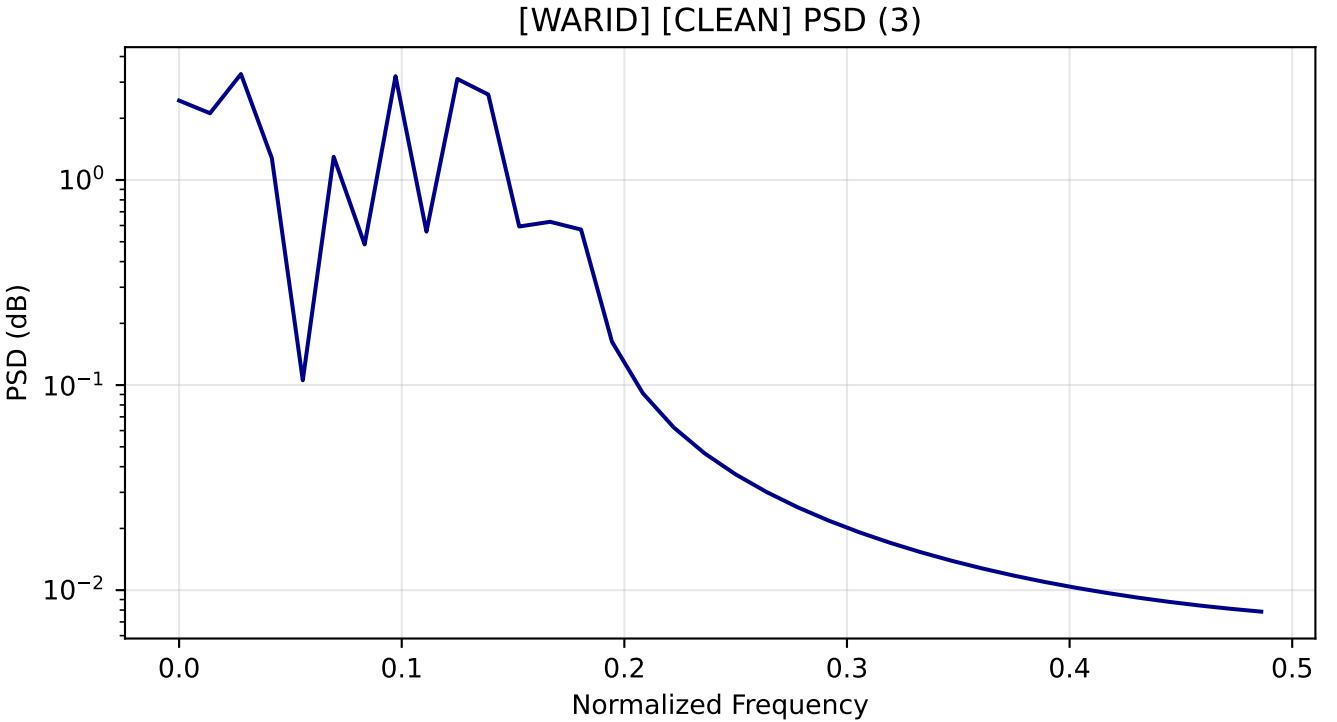

[WARID] Amplitude Dist (2)
Frequency
Amplitude
0
1
2
3
4
5
6
7
1.00
1.05
1.10
1.15
1.20
1.25
1.30
1.35


[WARID] Phase Dist (2)
Frequency
Phase (rad)
0
1
2
3
4
5
6
7
−2.75
−2.50
−2.25
−2.00
−1.75
−1.50
−1.25
−1.00
−0.75

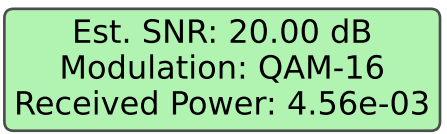

[WARID] [CLEAN] Constellation (3)
Msg: "43r43r..."
Mod: QAM-16
NC: 64, CP: 8
−0.3
−0.4
−0.5
−0.6
−0.7
−0.8
−0.9
−1.00
−0.75
−0.50
−0.25
0.00
0.25
0.50
0.75
1.00

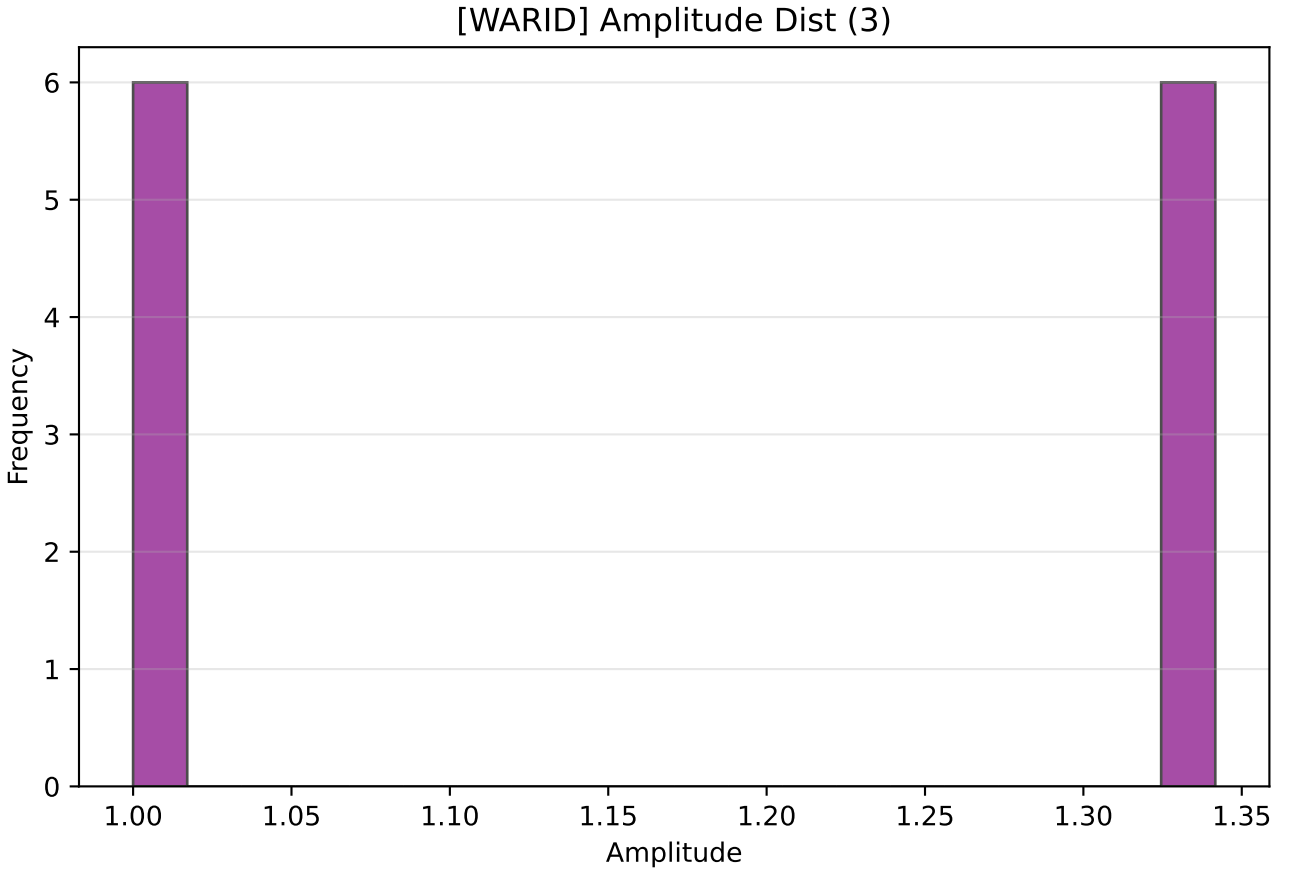

[WARID] [CLEAN] OFDM Time Domain (3)
I
Q
0.15
0.10
0.05
0.00
−0.05
−0.10
−0.15
0
10
20
30
40
50
60
70

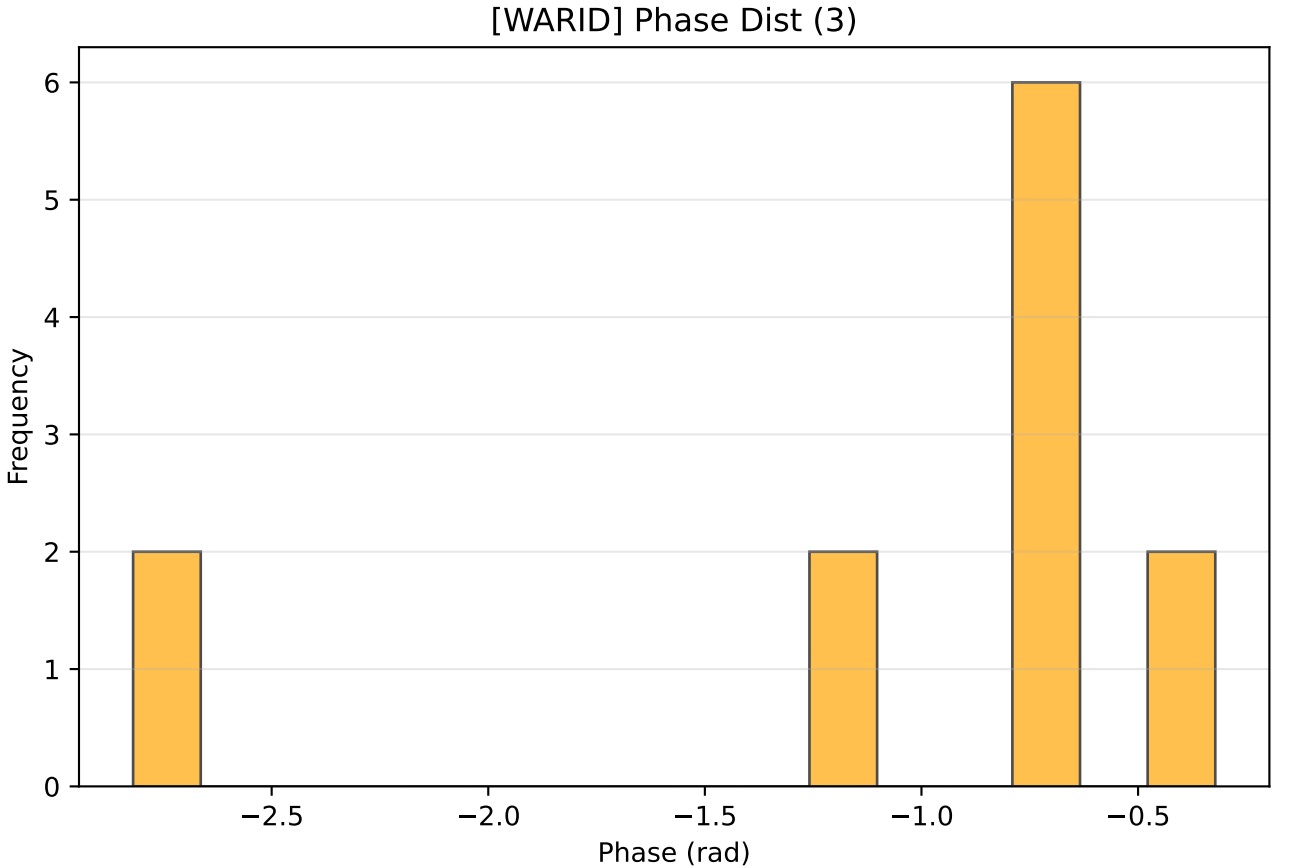

[WARID] [CLEAN] Power Envelope (3)
Power
0.030
0.025
0.020
0.015
0.010
0.005
0.000
0
10
20
30
40
50
60
70

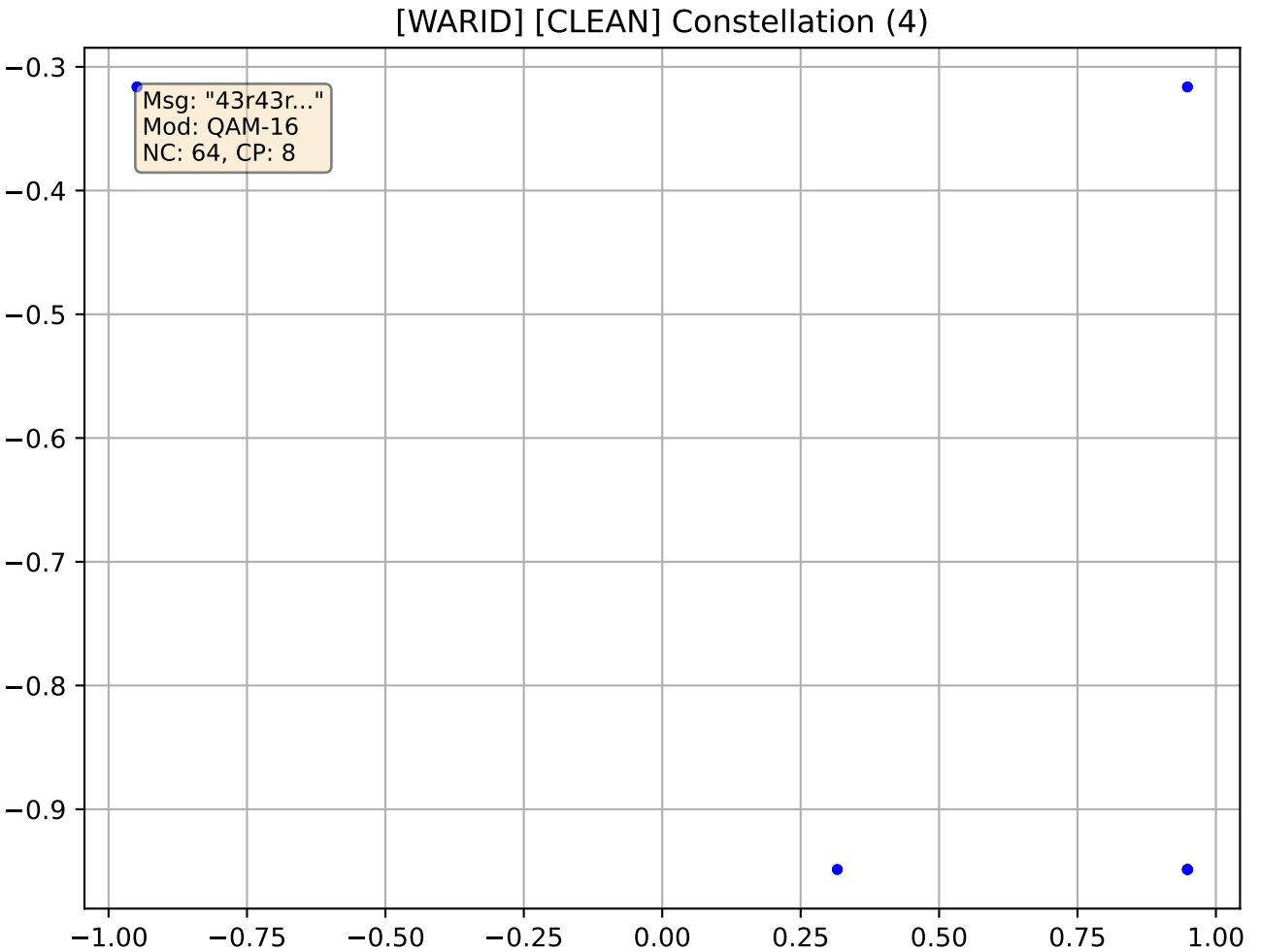

[WARID] [CLEAN] PSD (3)
PSD (dB)
10^{0}
10^{-1}
10^{-2}
0.0
0.1
0.2
0.3
0.4
0.5
Normalized Frequency

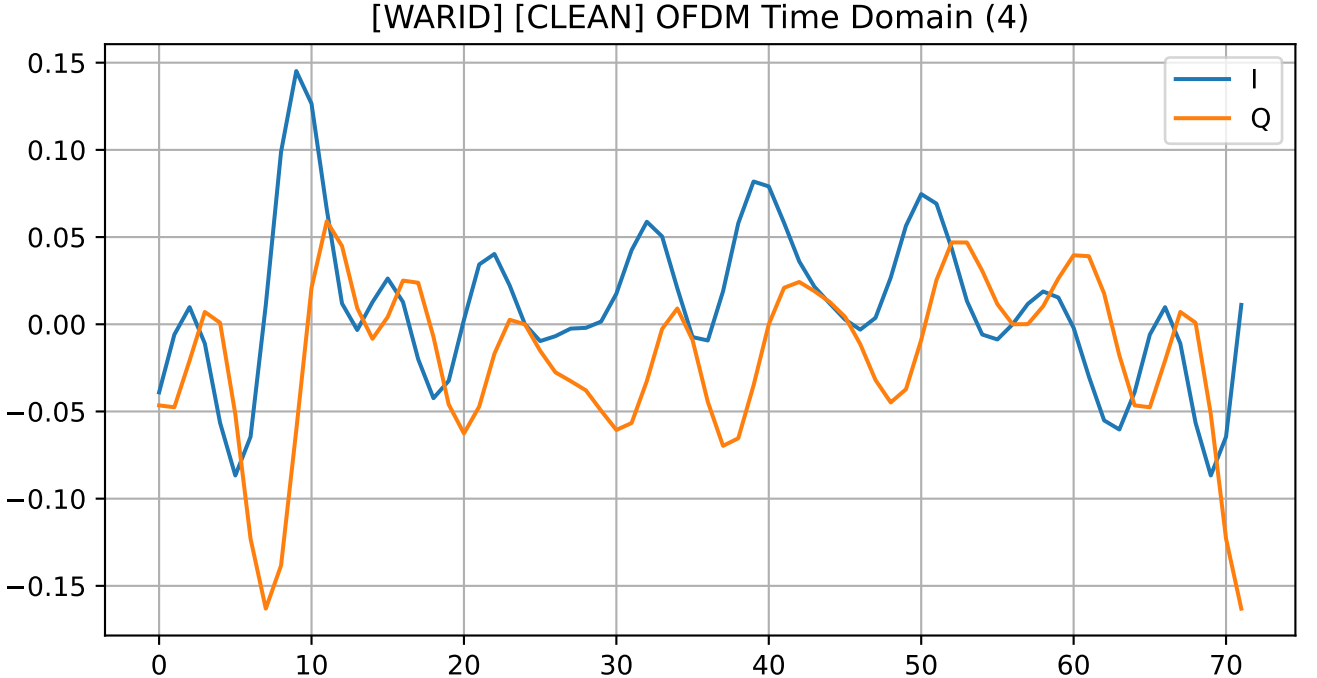
[WARID] [CLEAN] SNR (3)

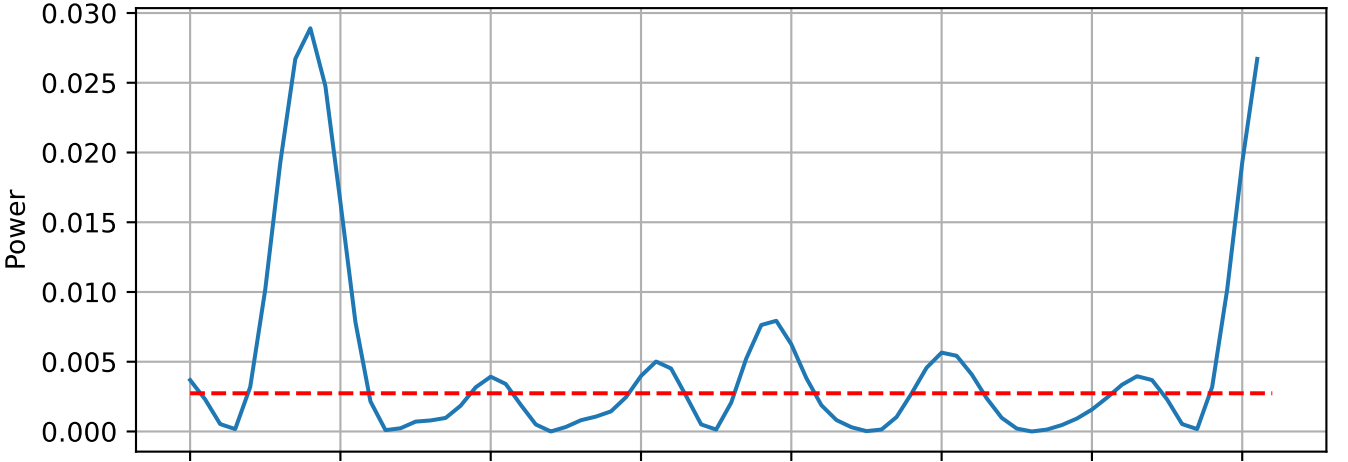


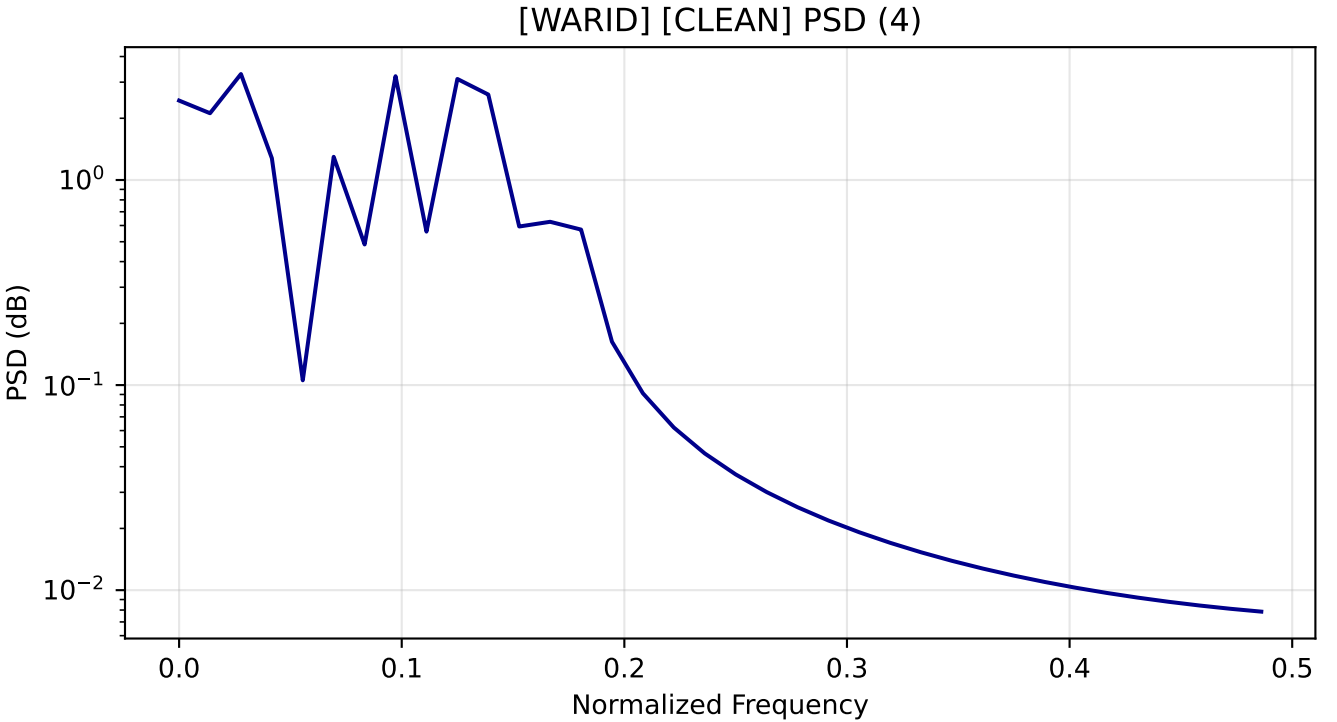

[WARID] Amplitude Dist (3)
Frequency
Amplitude
0
1
2
3
4
5
6
1.00
1.05
1.10
1.15
1.20
1.25
1.30
1.35


[WARID] Phase Dist (3)
Frequency
Phase (rad)
0
1
2
3
4
5
6
−2.5
−2.0
−1.5
−1.0
−0.5

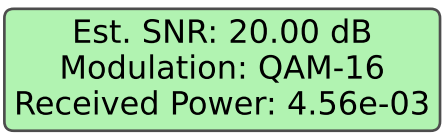

[WARID] [CLEAN] Constellation (4)
Msg: "43r43r..."
Mod: QAM-16
NC: 64, CP: 8
−0.3
−0.4
−0.5
−0.6
−0.7
−0.8
−0.9
−1.00
−0.75
−0.50
−0.25
0.00
0.25
0.50
0.75
1.00

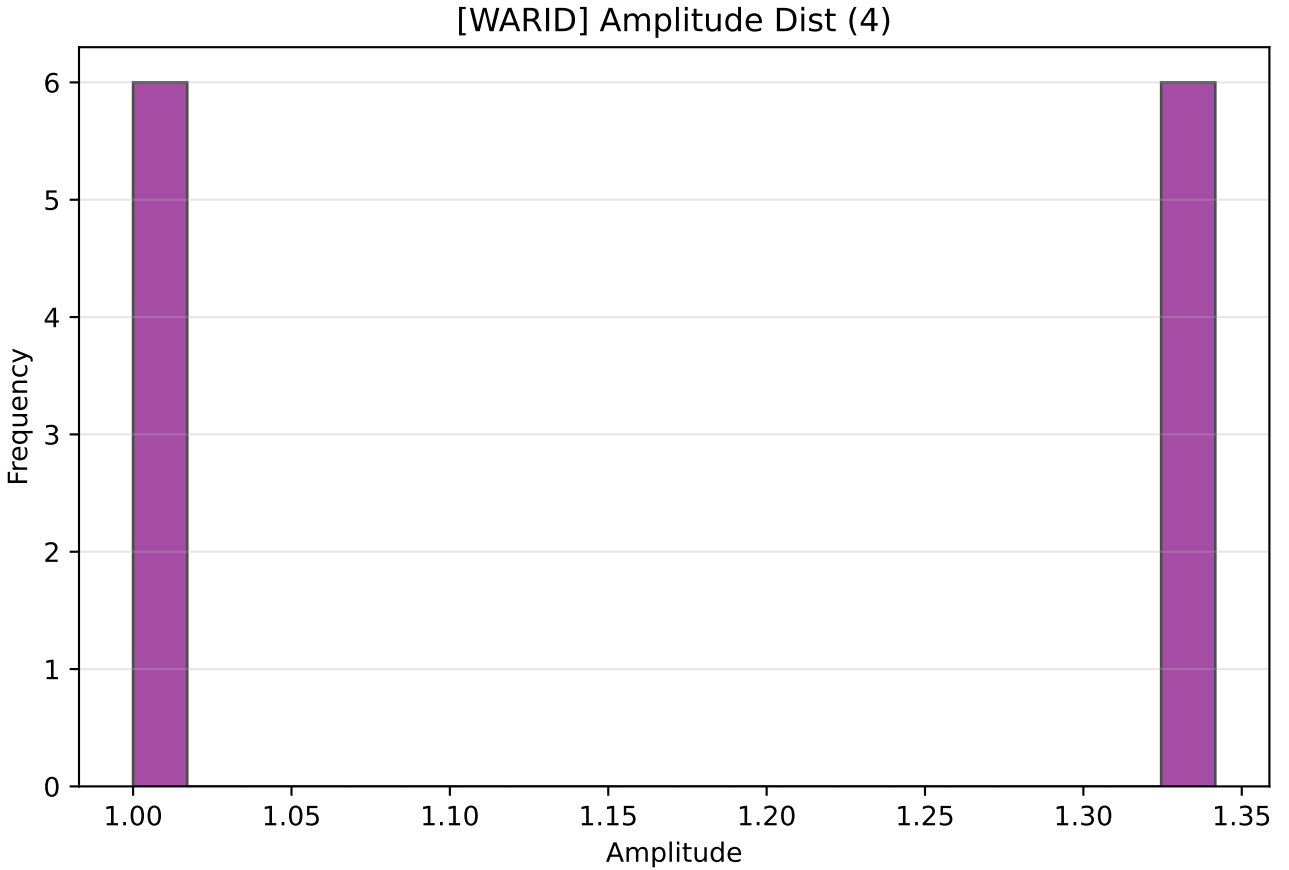

[WARID] [CLEAN] OFDM Time Domain (4)
I
Q
0.15
0.10
0.05
0.00
−0.05
−0.10
−0.15
0
10
20
30
40
50
60
70

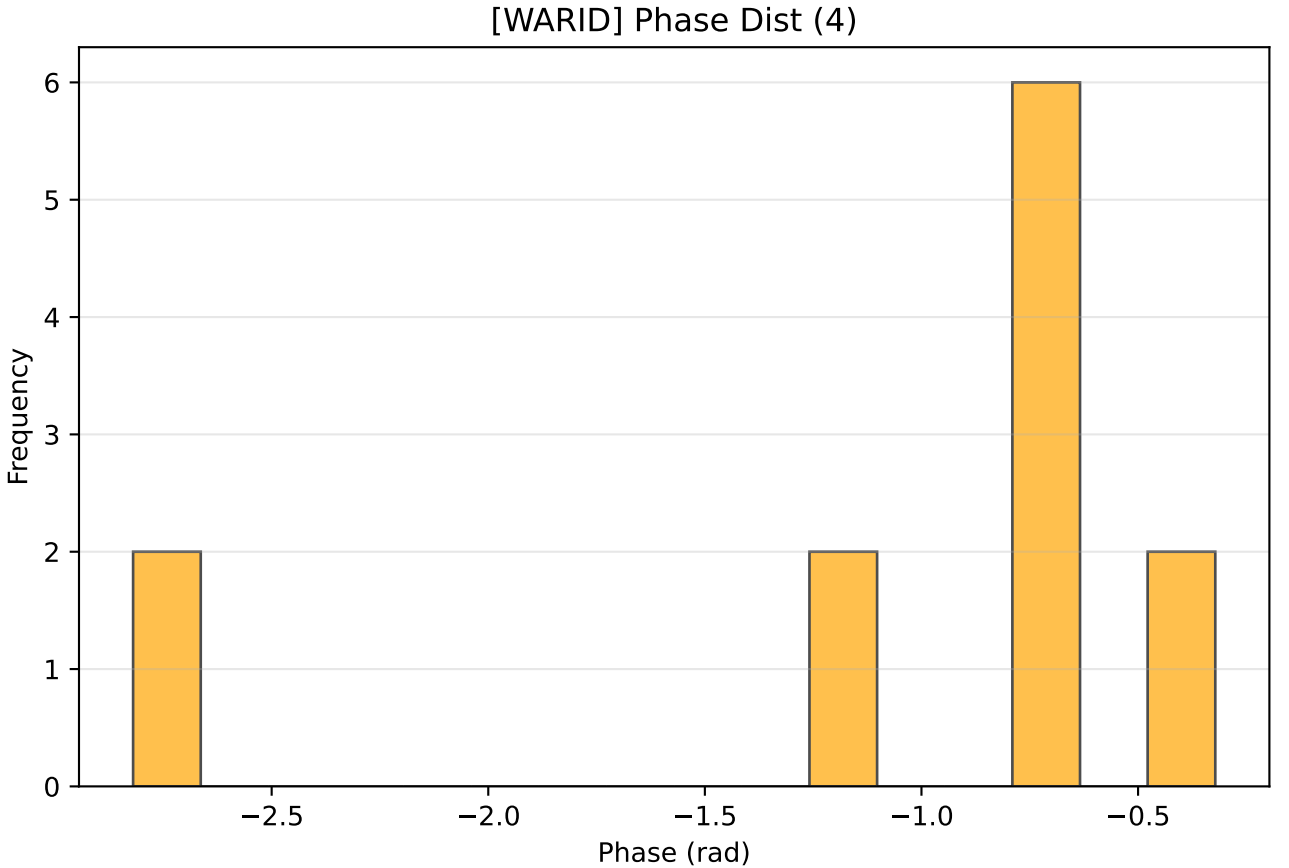

[WARID] [CLEAN] Power Envelope (4)
Power
0.030
0.025
0.020
0.015
0.010
0.005
0.000
0
10
20
30
40
50
60
70

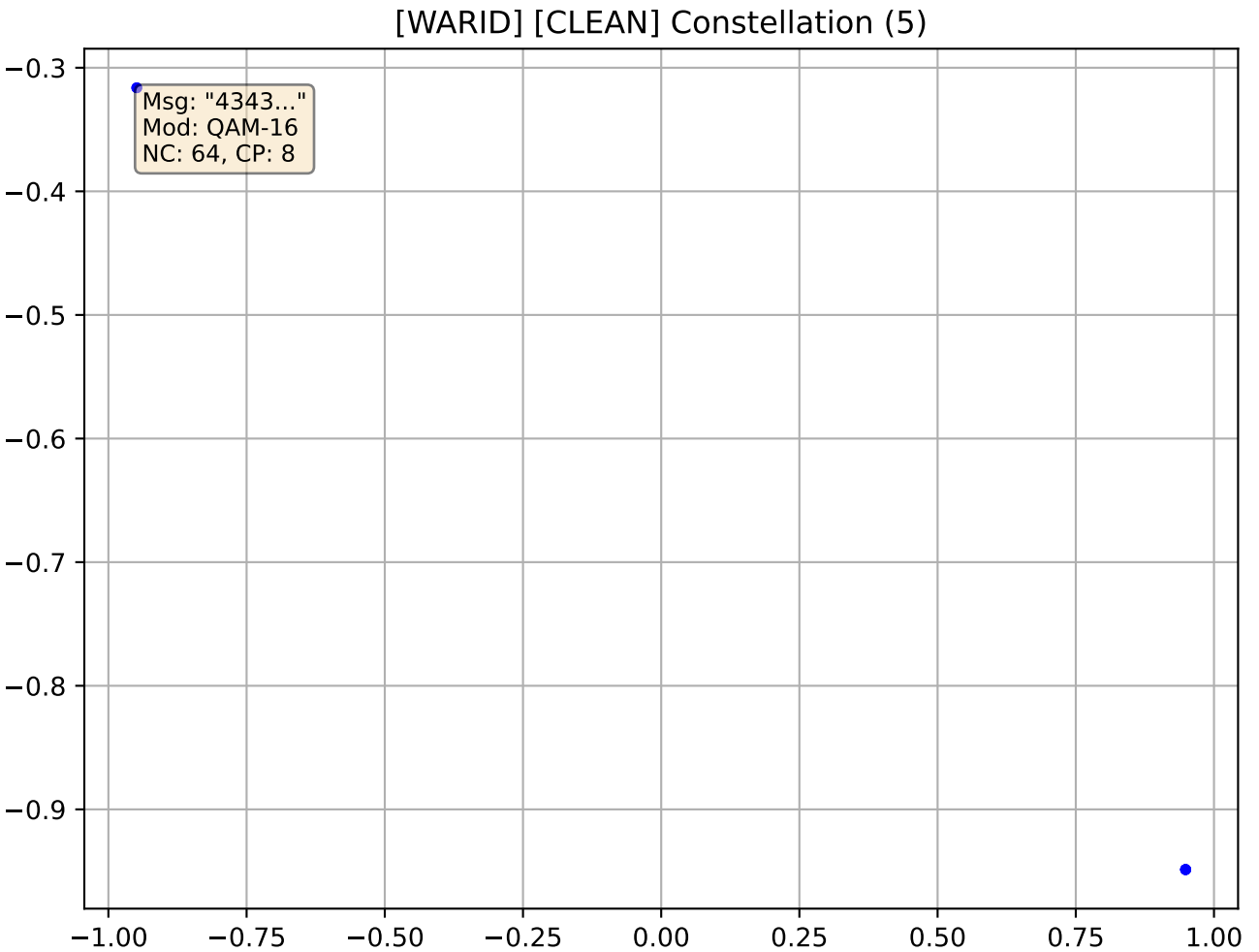

[WARID] [CLEAN] PSD (4)
PSD (dB)
10^{0}
10^{-1}
10^{-2}
0.0
0.1
0.2
0.3
0.4
0.5
Normalized Frequency

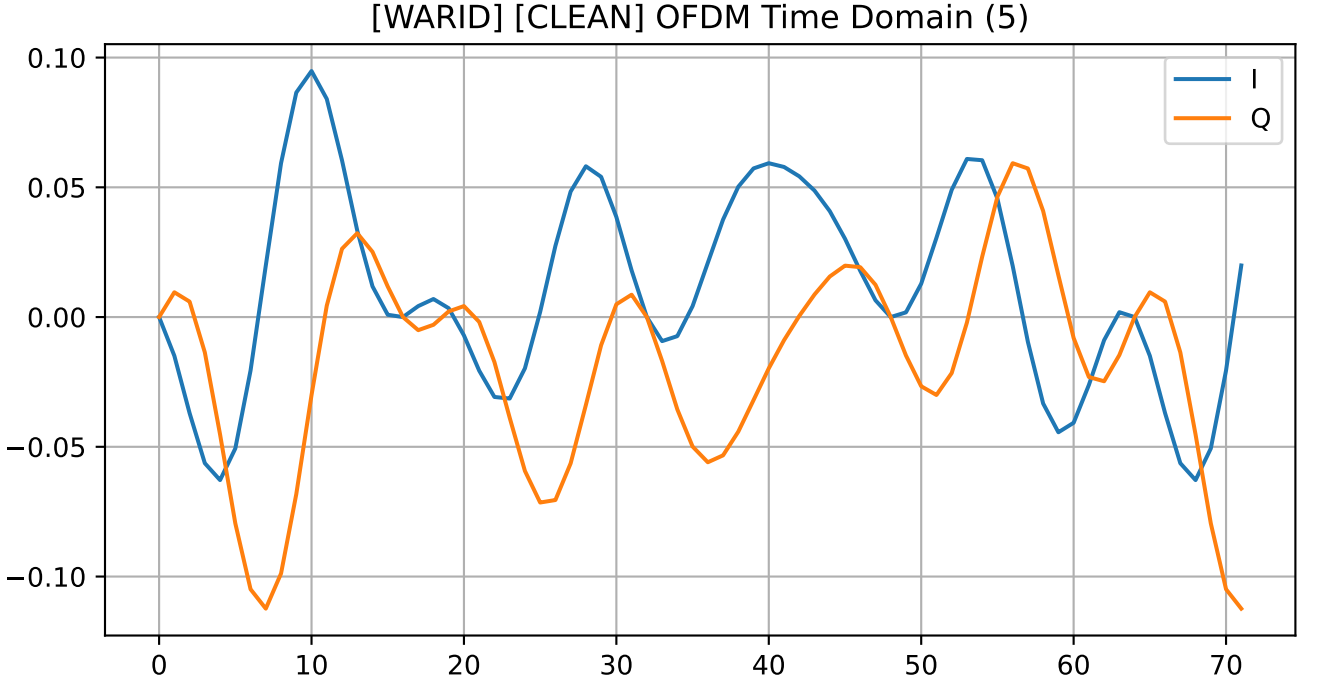
[WARID] [CLEAN] SNR (4)

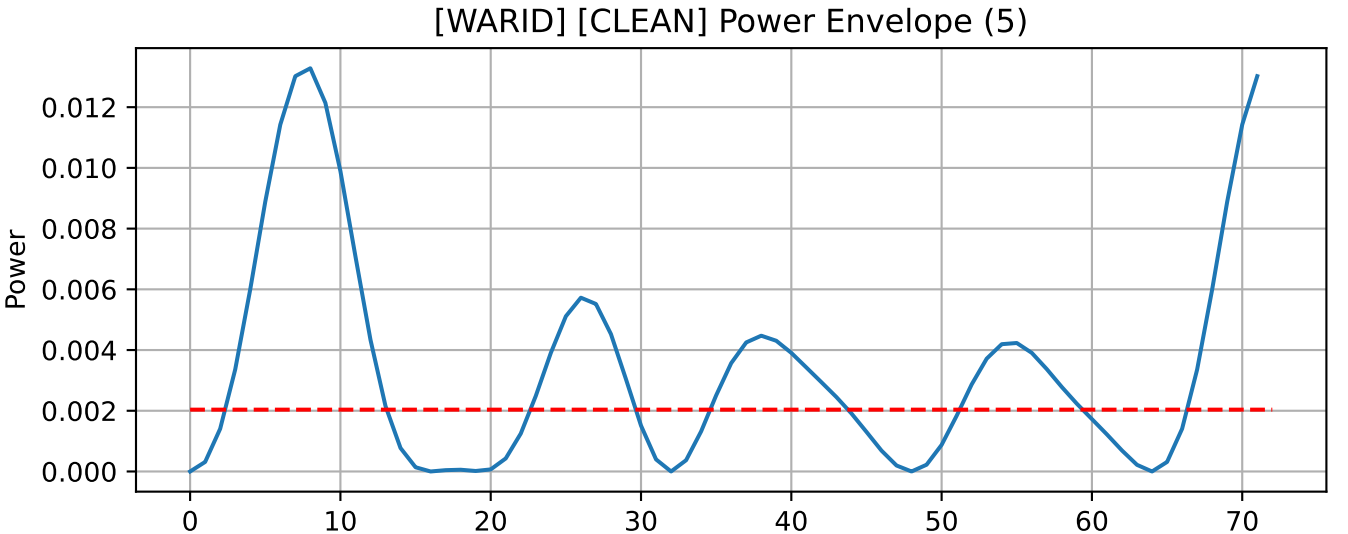


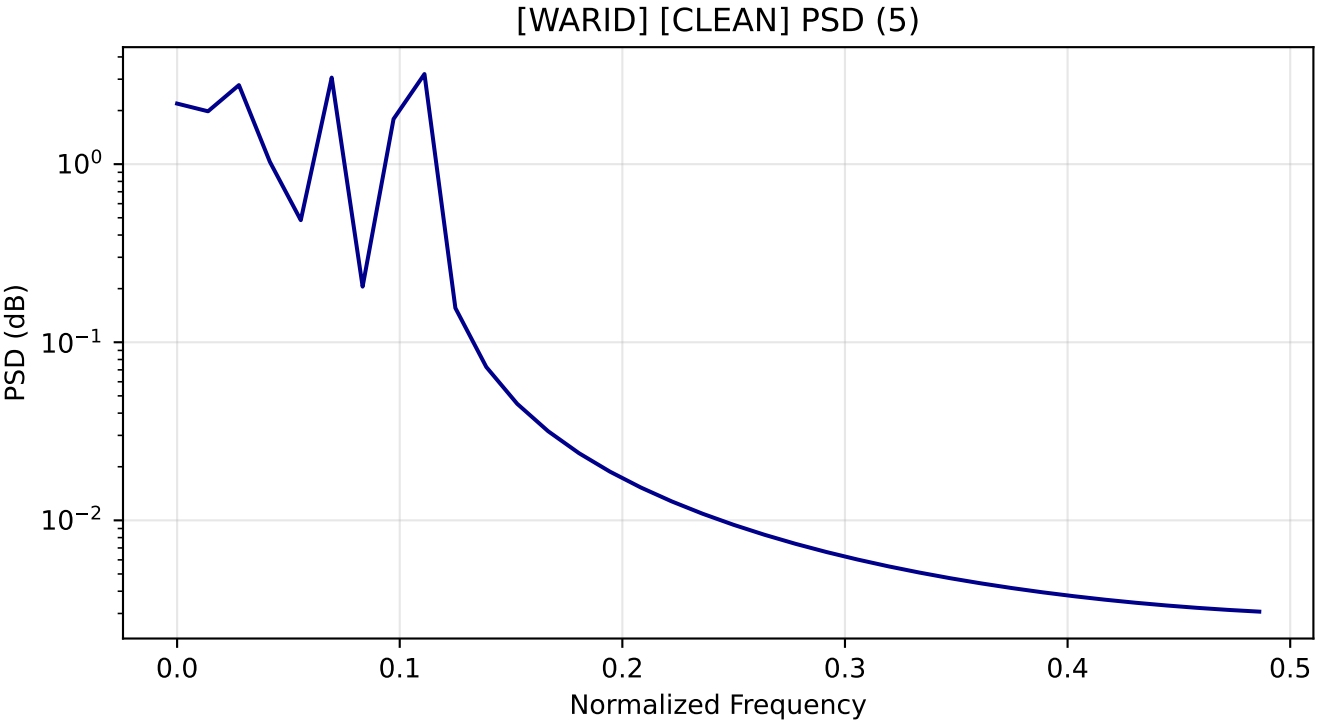

[WARID] Amplitude Dist (4)
Frequency
Amplitude
0
1
2
3
4
5
6
1.00
1.05
1.10
1.15
1.20
1.25
1.30
1.35


[WARID] Phase Dist (4)
Frequency
Phase (rad)
0
1
2
3
4
5
6
−2.5
−2.0
−1.5
−1.0
−0.5

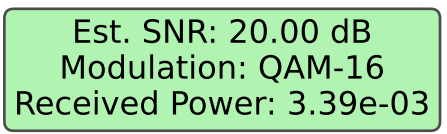

[WARID] [CLEAN] Constellation (5)
Msg: "4343..."
Mod: QAM-16
NC: 64, CP: 8
−0.3
−0.4
−0.5
−0.6
−0.7
−0.8
−0.9
−1.00
−0.75
−0.50
−0.25
0.00
0.25
0.50
0.75
1.00

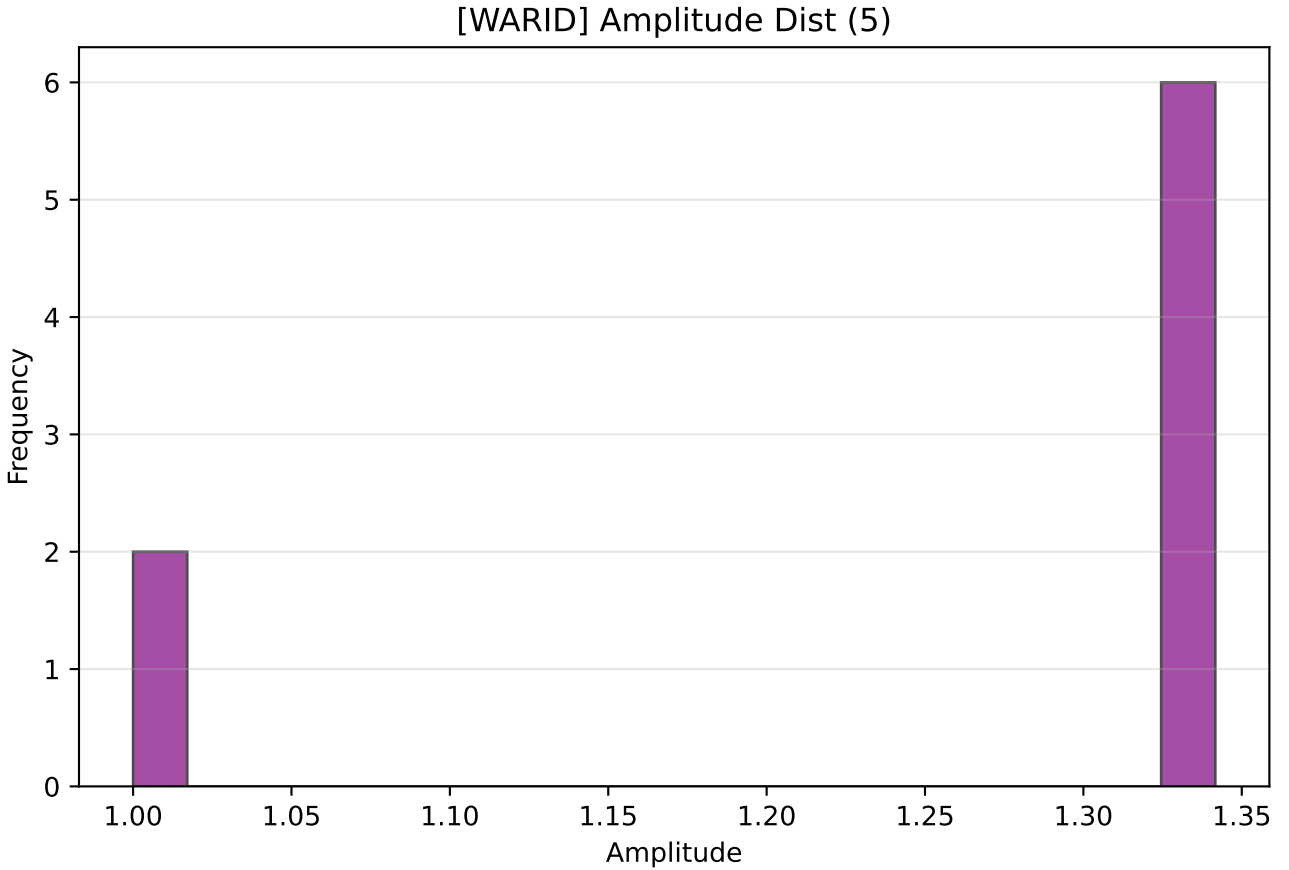

[WARID] [CLEAN] OFDM Time Domain (5)
0.10
0.05
0.00
−0.05
−0.10
0
10
20
30
40
50
60
70
I
Q

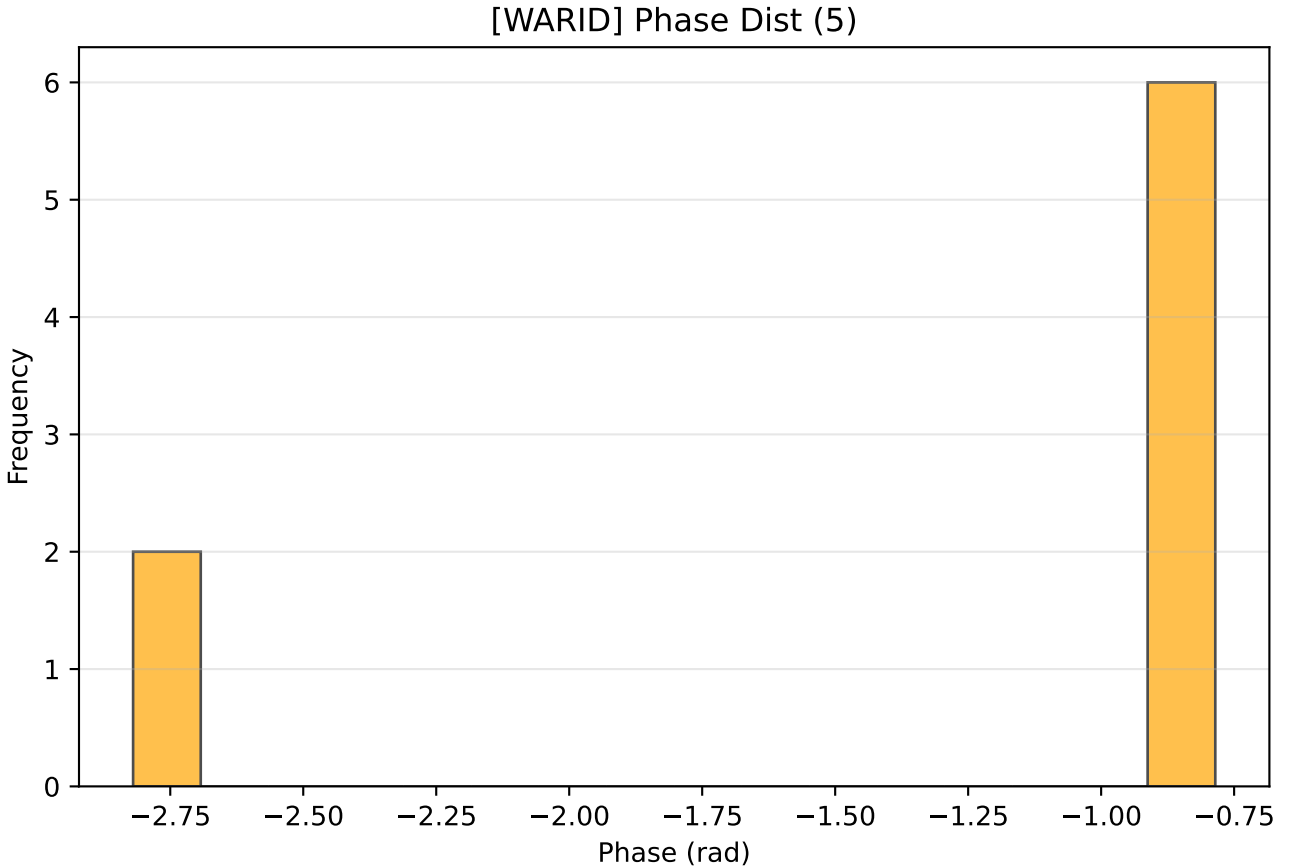

[WARID] [CLEAN] Power Envelope (5)
Power
0.012
0.010
0.008
0.006
0.004
0.002
0.000
0
10
20
30
40
50
60
70

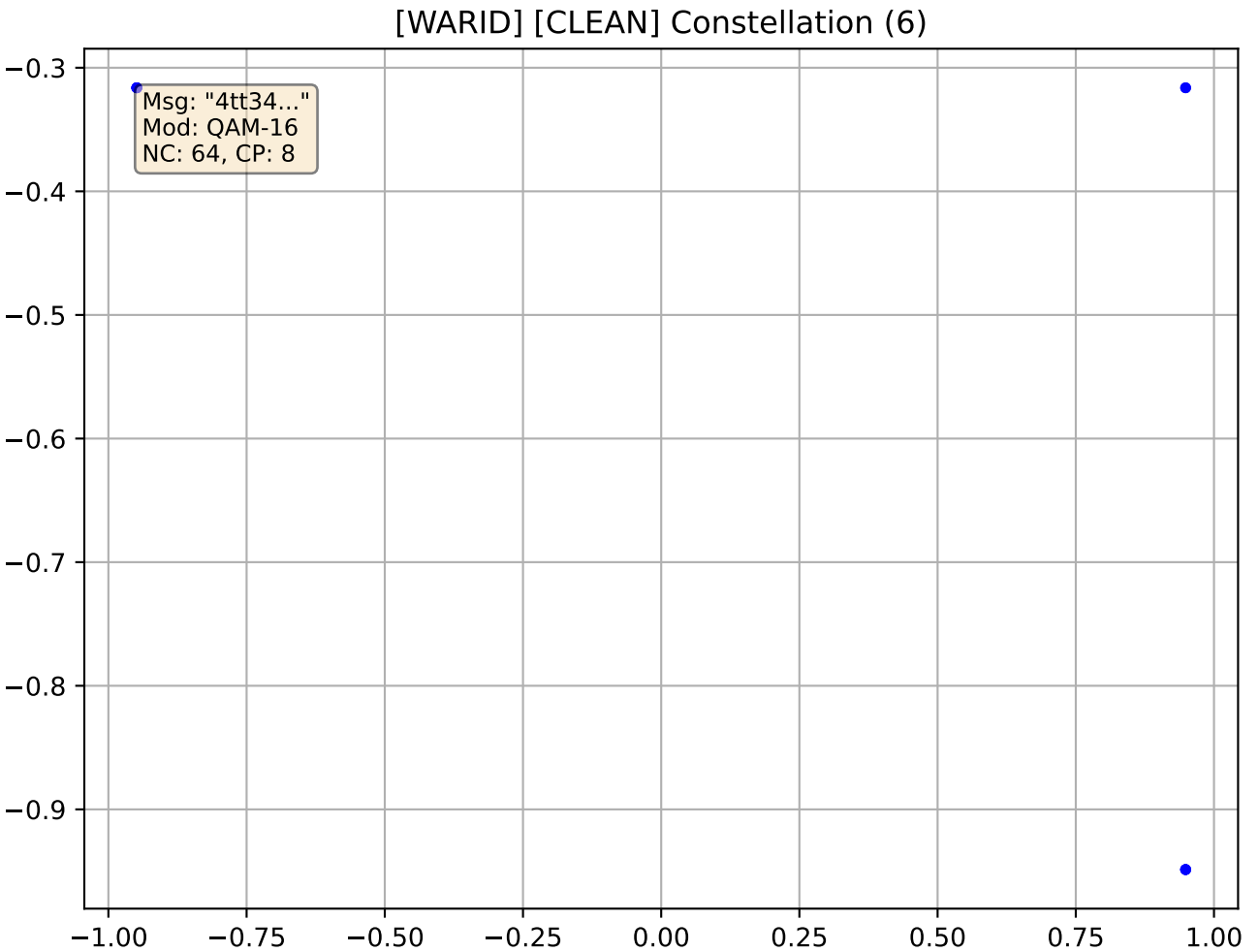

[WARID] [CLEAN] PSD (5)
PSD (dB)
10^{0}
10^{-1}
10^{-2}
0.0
0.1
0.2
0.3
0.4
0.5
Normalized Frequency

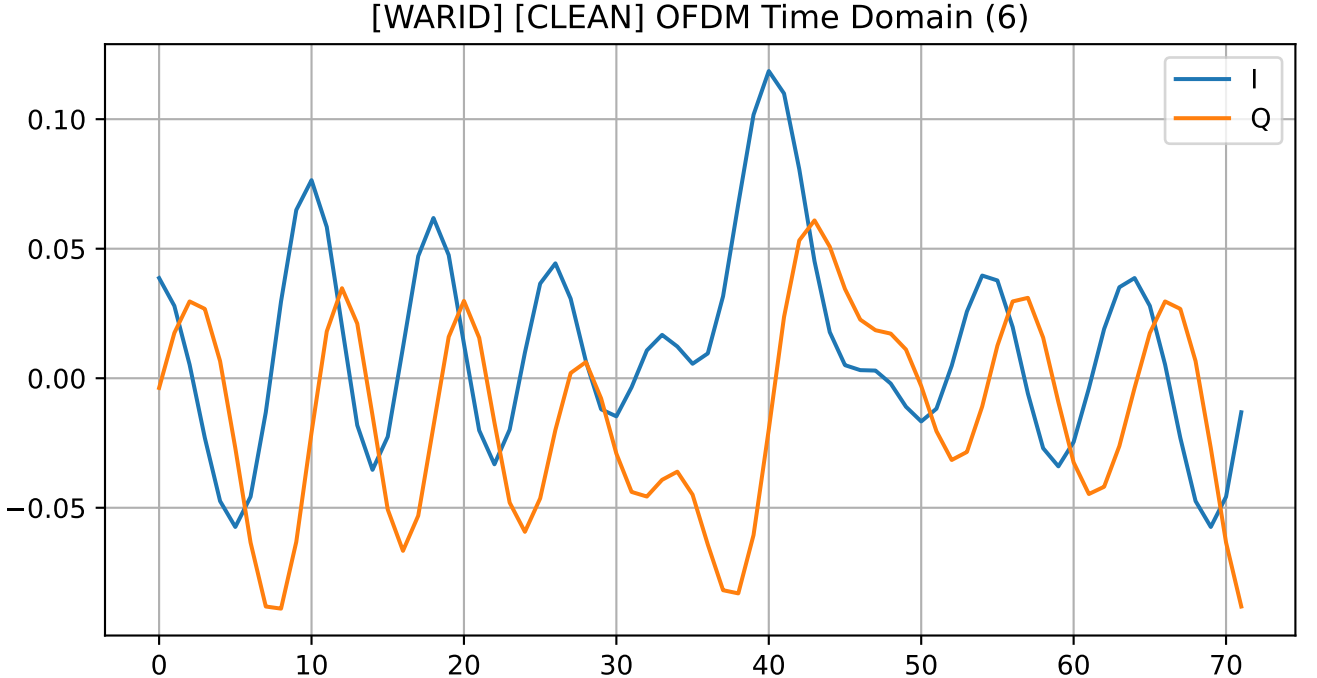
[WARID] [CLEAN] SNR (5)

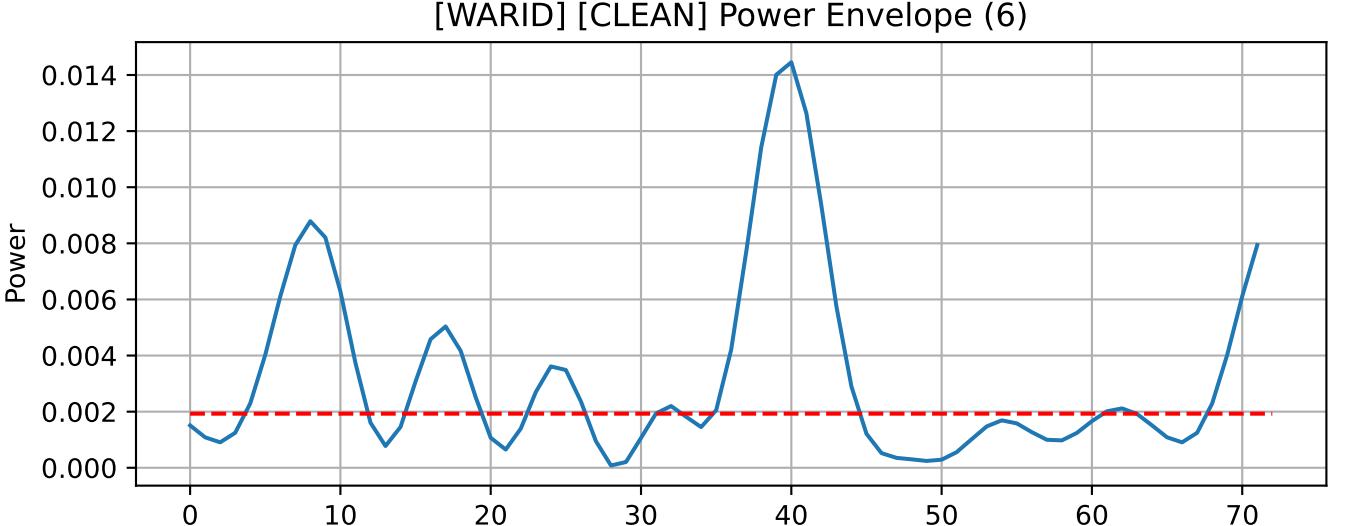


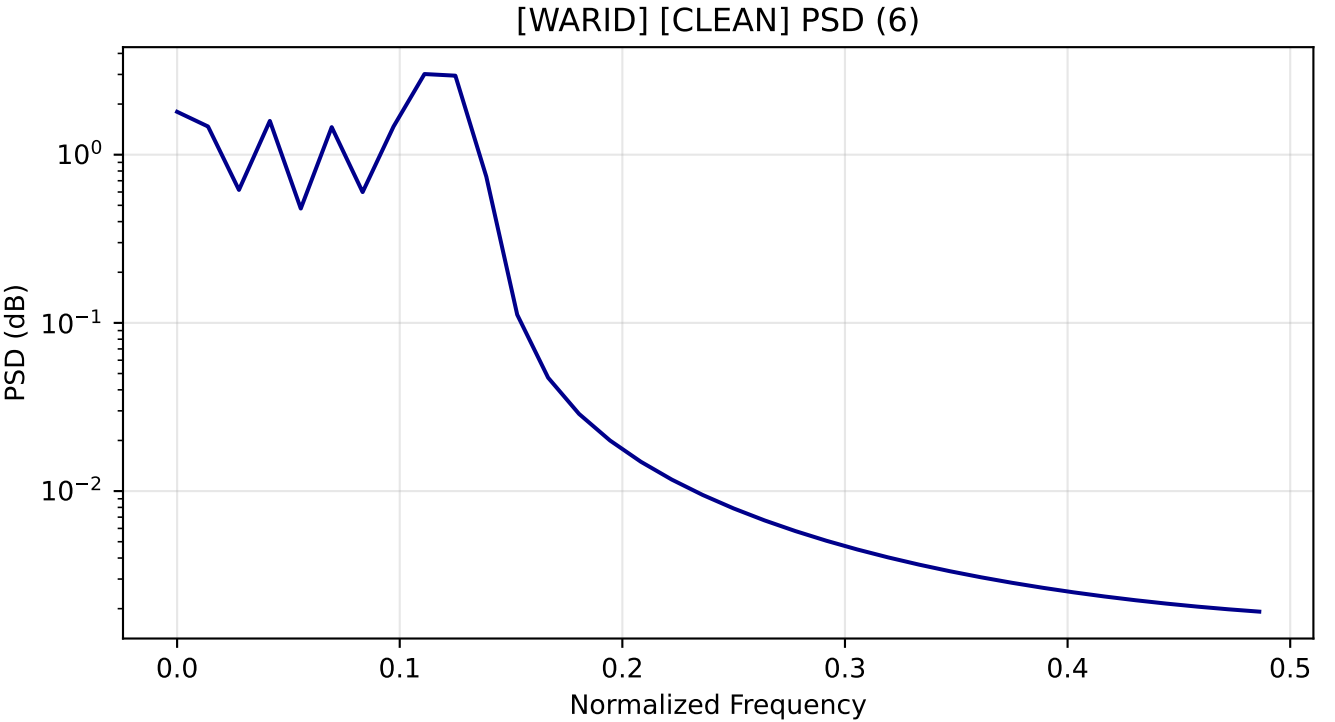

[WARID] Amplitude Dist (5)
Frequency
Amplitude
0
1
2
3
4
5
6
1.00
1.05
1.10
1.15
1.20
1.25
1.30
1.35


[WARID] Phase Dist (5)
Frequency
0
1
2
3
4
5
6
−2.75
−2.50
−2.25
−2.00
−1.75
−1.50
−1.25
−1.00
−0.75
Phase (rad)

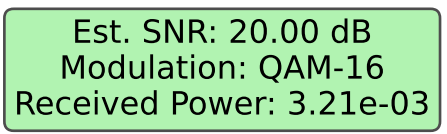

[WARID] [CLEAN] Constellation (6)
Msg: "4tt34..."
Mod: QAM-16
NC: 64, CP: 8
−0.3
−0.4
−0.5
−0.6
−0.7
−0.8
−0.9
−1.00
−0.75
−0.50
−0.25
0.00
0.25
0.50
0.75
1.00

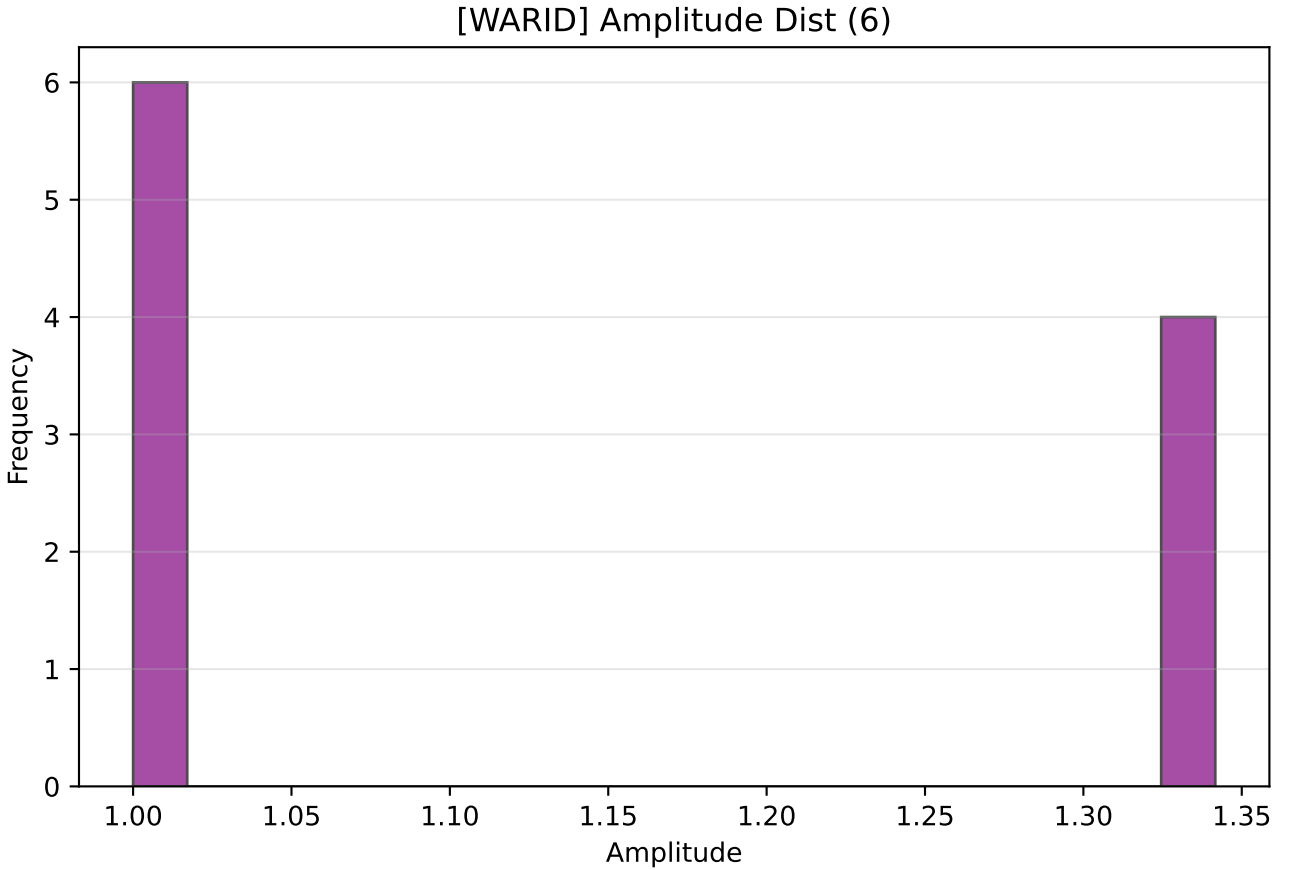

[WARID] [CLEAN] OFDM Time Domain (6)
I
Q
0.10
0.05
0.00
−0.05
0
10
20
30
40
50
60
70

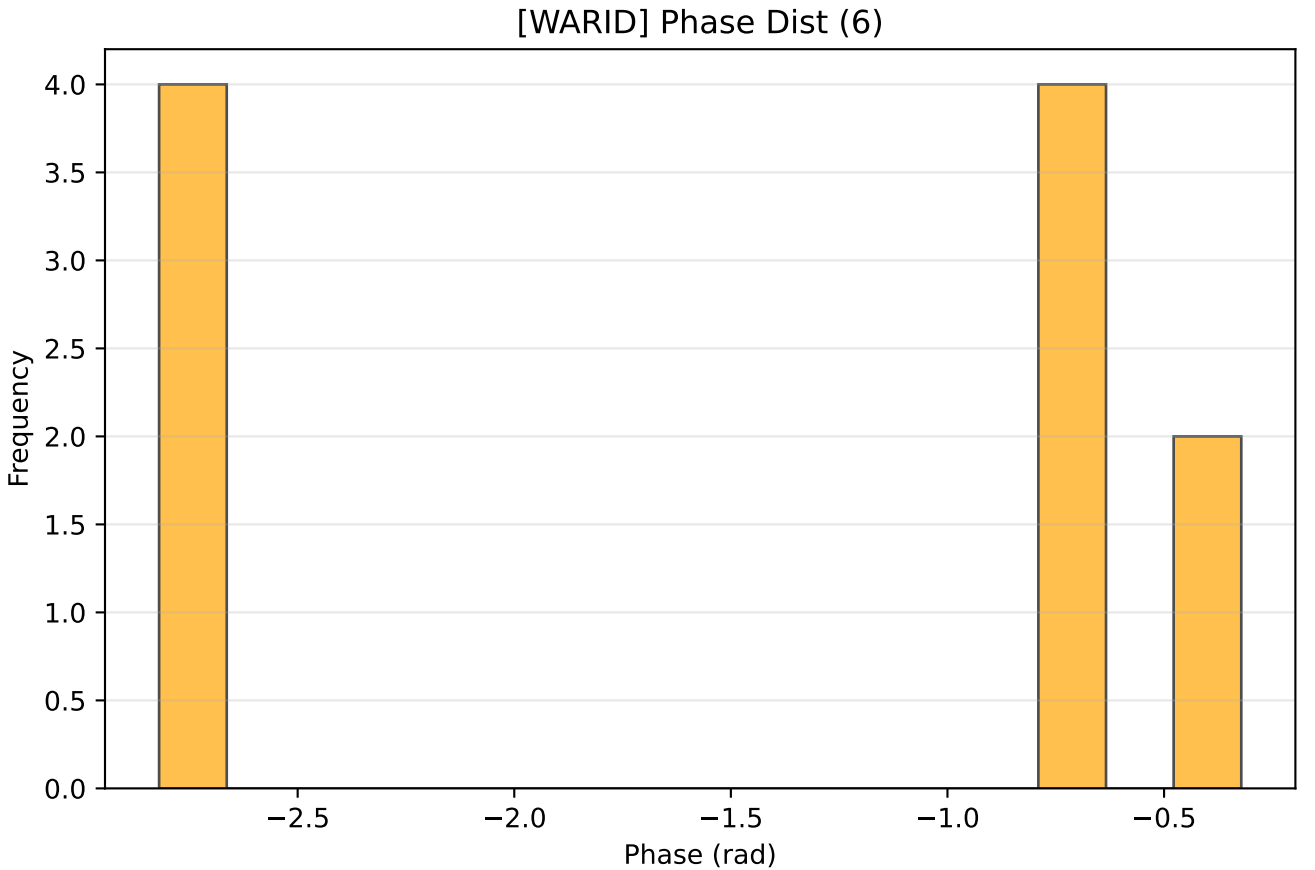

[WARID] [CLEAN] Power Envelope (6)
Power
0.014
0.012
0.010
0.008
0.006
0.004
0.002
0.000
0
10
20
30
40
50
60
70

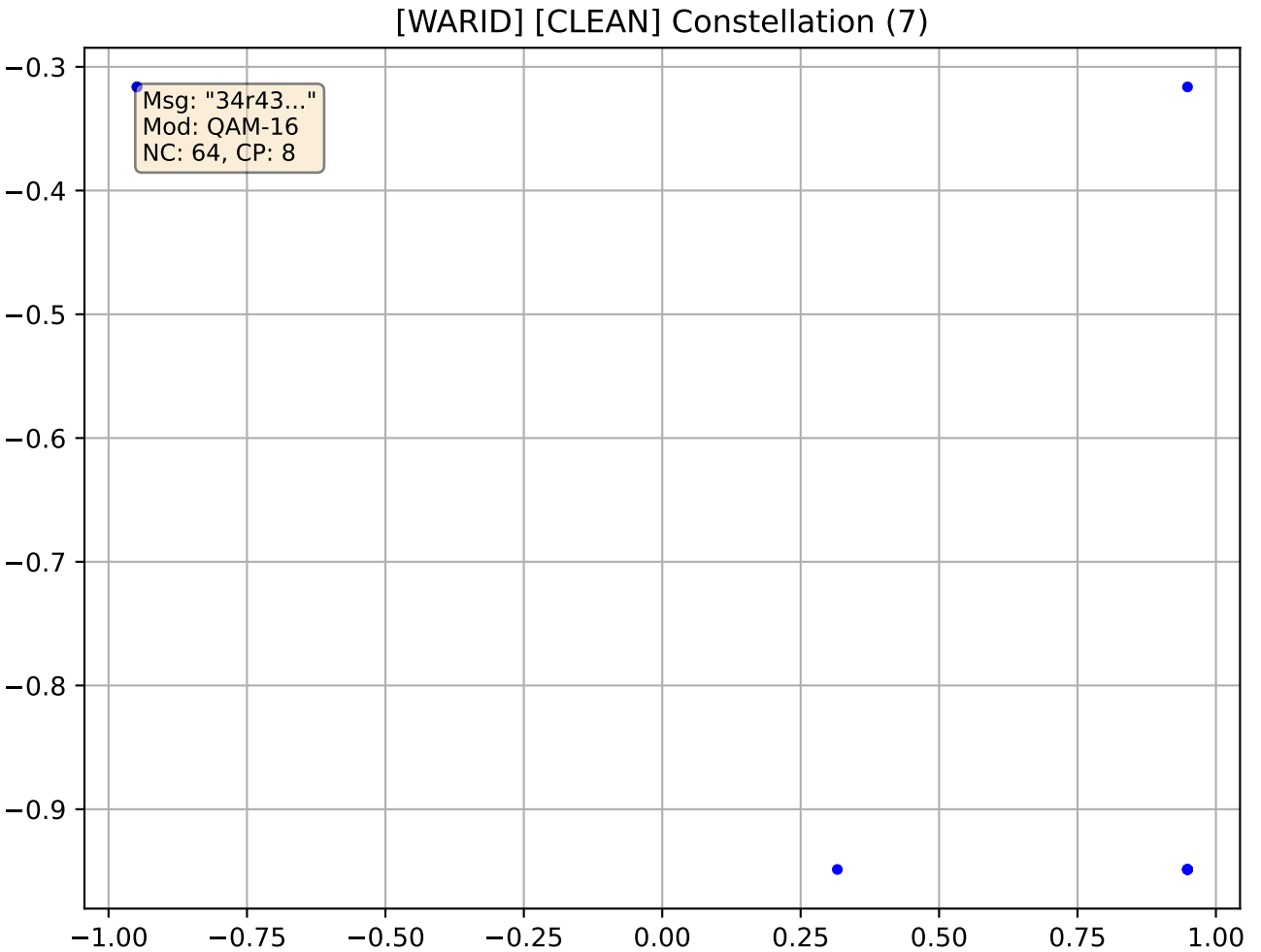

[WARID] [CLEAN] PSD (6)
PSD (dB)
10^{0}
10^{-1}
10^{-2}
0.0
0.1
0.2
0.3
0.4
0.5
Normalized Frequency

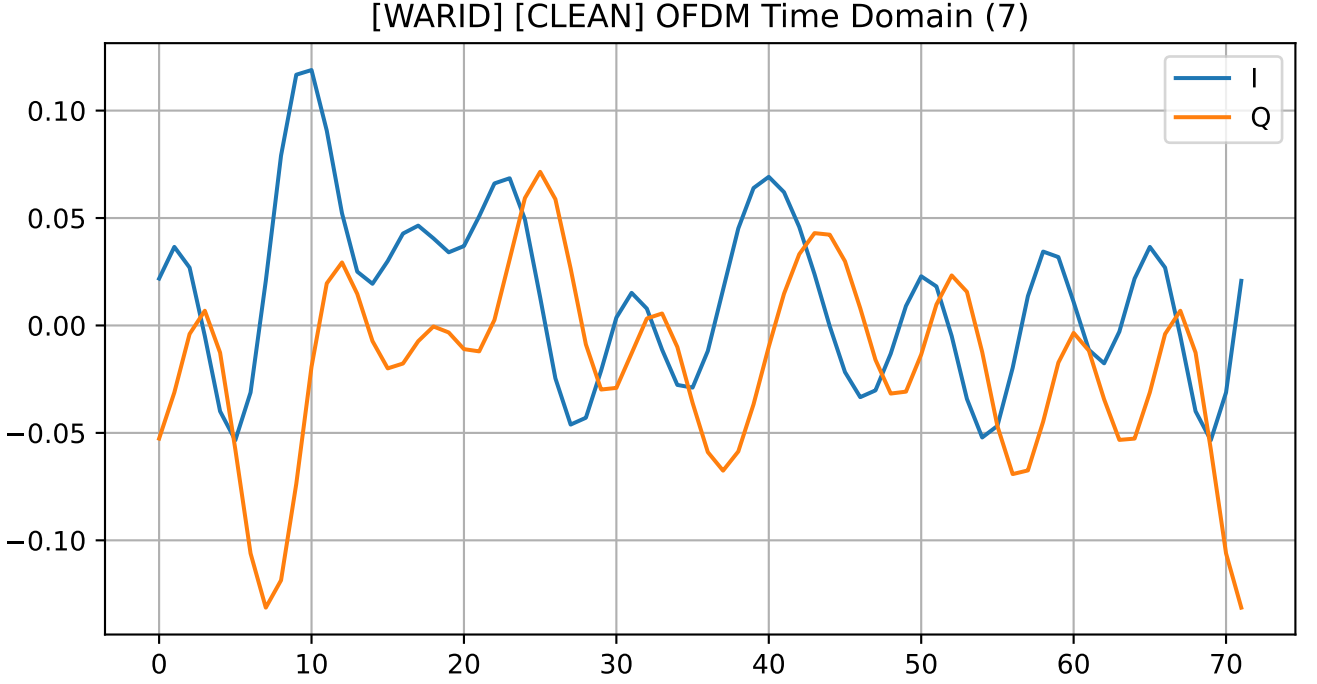
[WARID] [CLEAN] SNR (6)

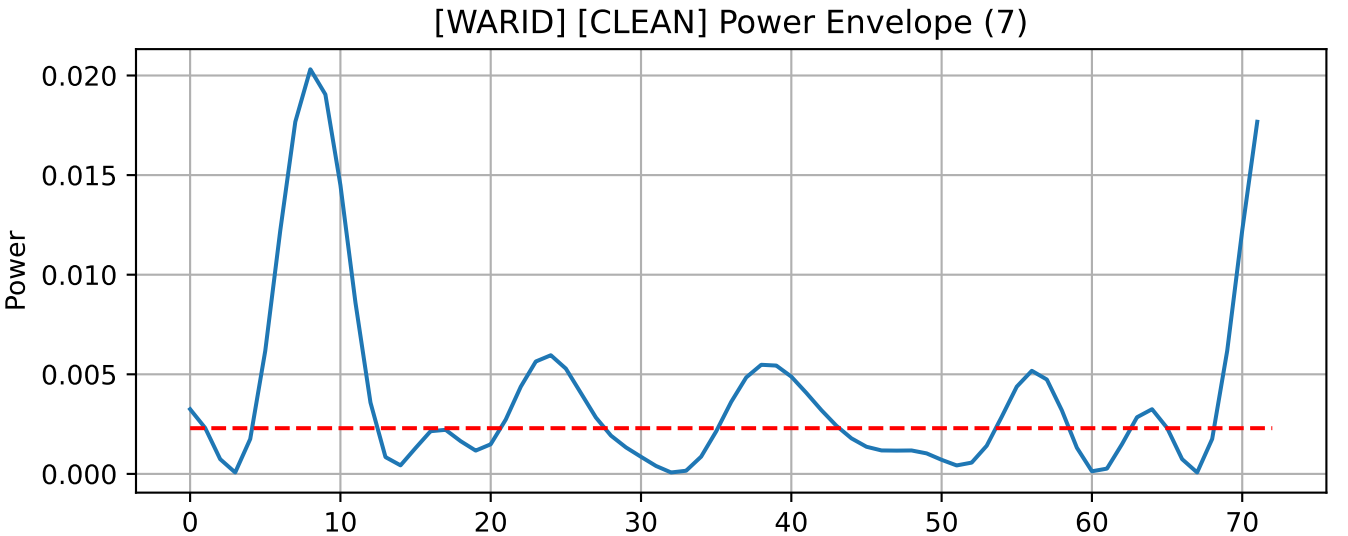


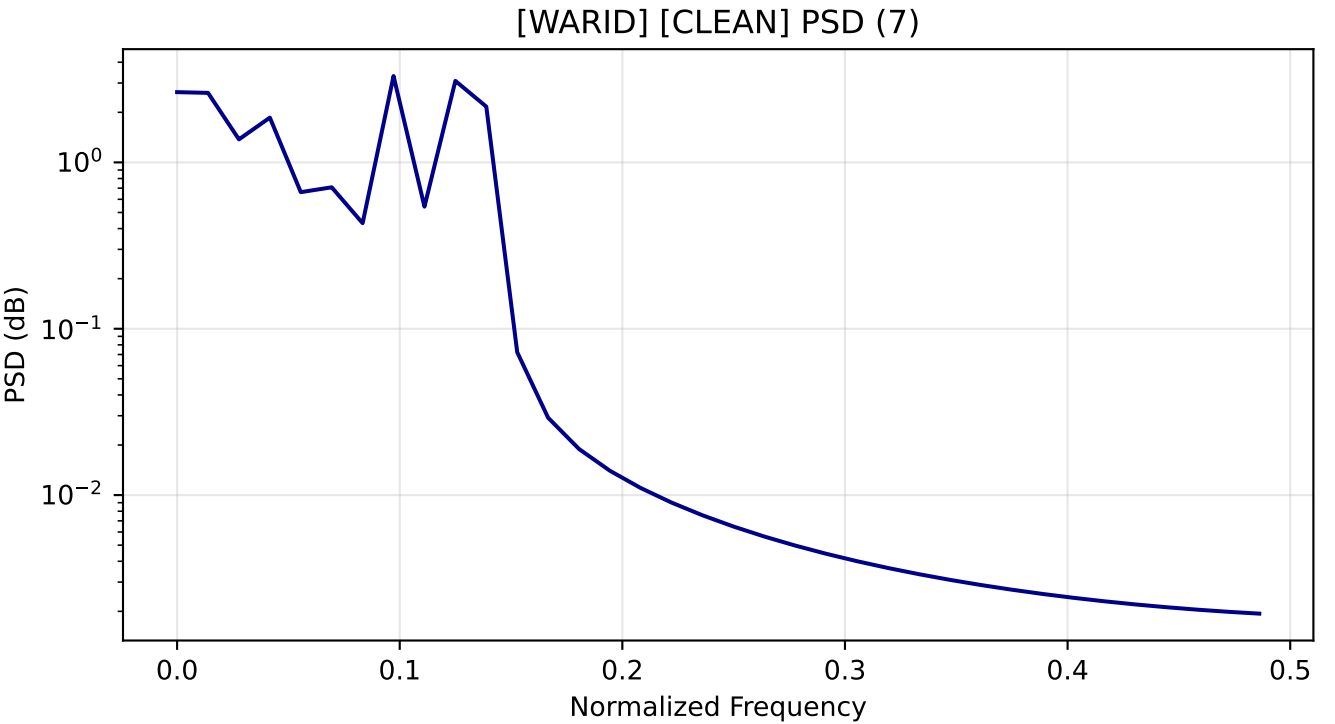

[WARID] Amplitude Dist (6)
Frequency
Amplitude
0
1
2
3
4
5
6
1.00
1.05
1.10
1.15
1.20
1.25
1.30
1.35


[WARID] Phase Dist (6)
Frequency
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
−2.5
−2.0
−1.5
−1.0
−0.5
Phase (rad)

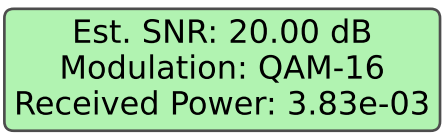

[WARID] [CLEAN] Constellation (7)
Msg: "34r43..."
Mod: QAM-16
NC: 64, CP: 8
−0.3
−0.4
−0.5
−0.6
−0.7
−0.8
−0.9
−1.00
−0.75
−0.50
−0.25
0.00
0.25
0.50
0.75
1.00

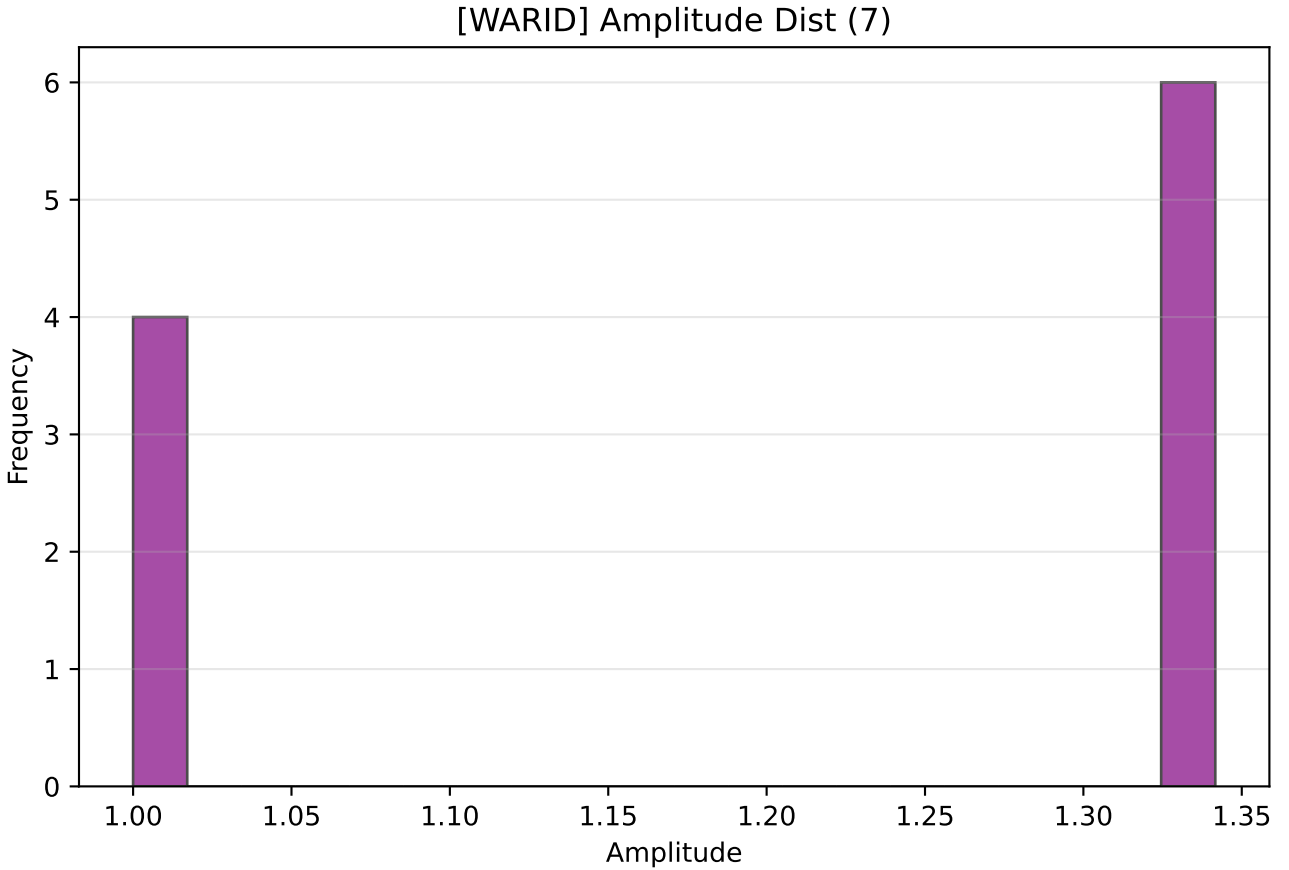

[WARID] [CLEAN] OFDM Time Domain (7)
I
Q
0.10
0.05
0.00
−0.05
−0.10
0
10
20
30
40
50
60
70

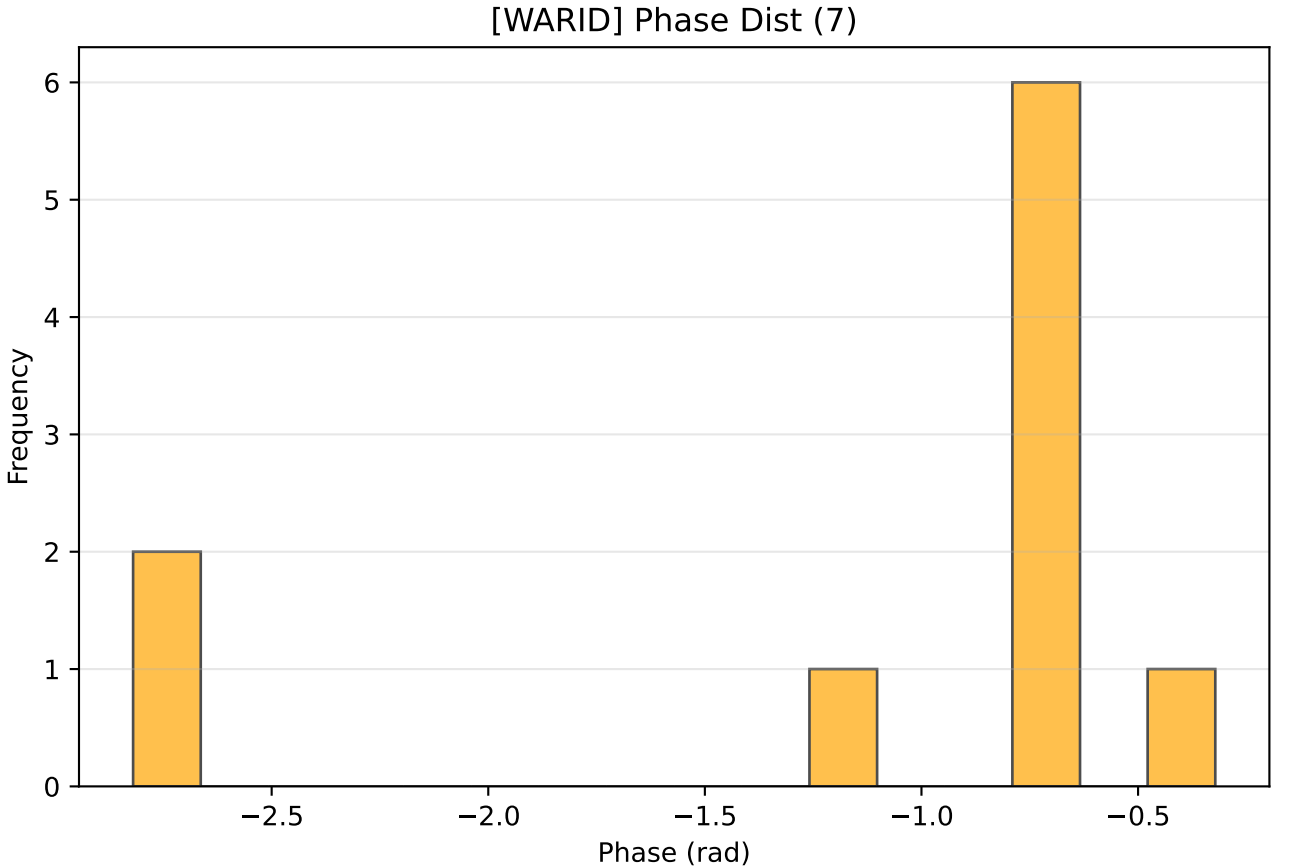

[WARID] [CLEAN] Power Envelope (7)
Power
0.020
0.015
0.010
0.005
0.000
0
10
20
30
40
50
60
70

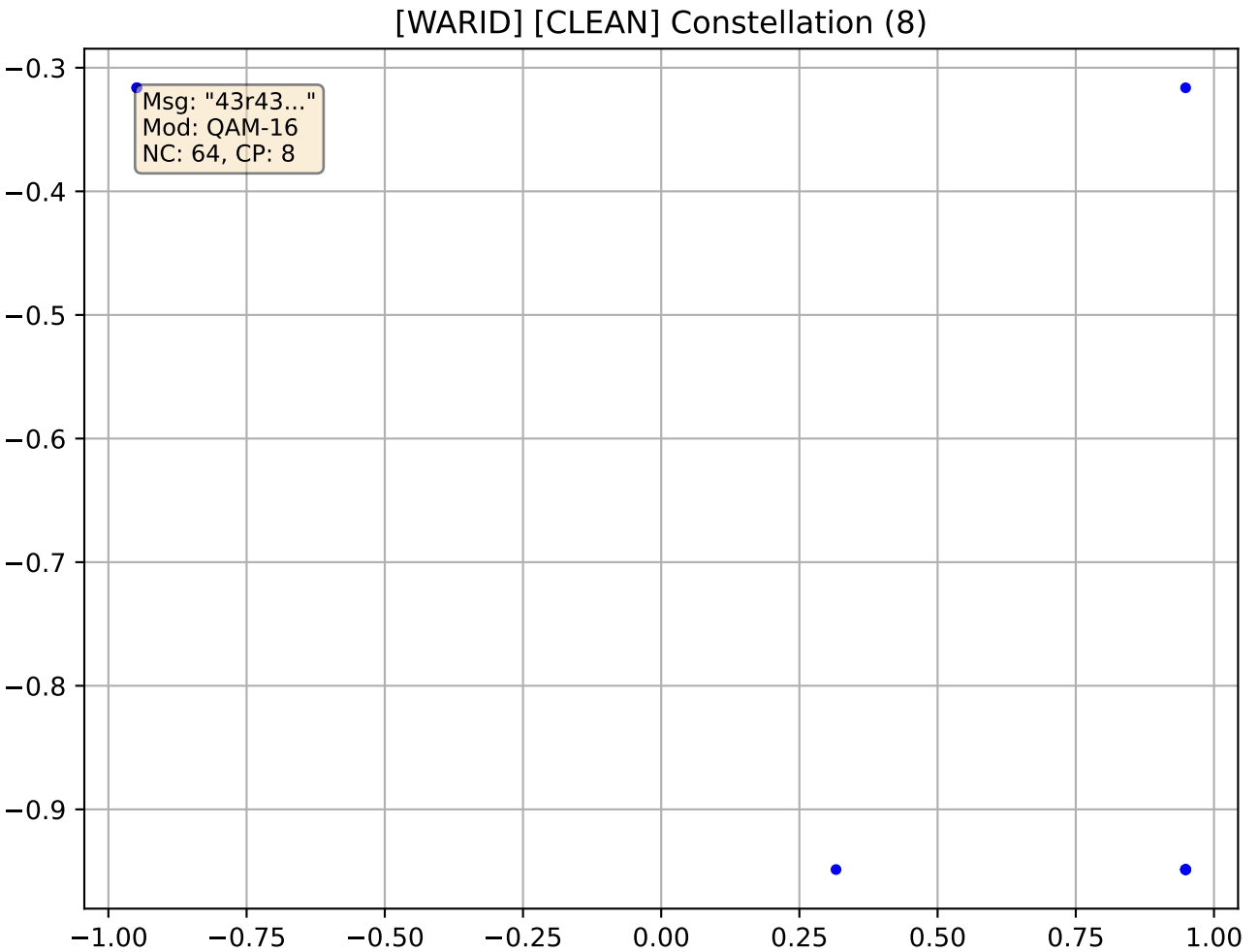

[WARID] [CLEAN] PSD (7)
PSD (dB)
10^{0}
10^{-1}
10^{-2}
0.0
0.1
0.2
0.3
0.4
0.5
Normalized Frequency

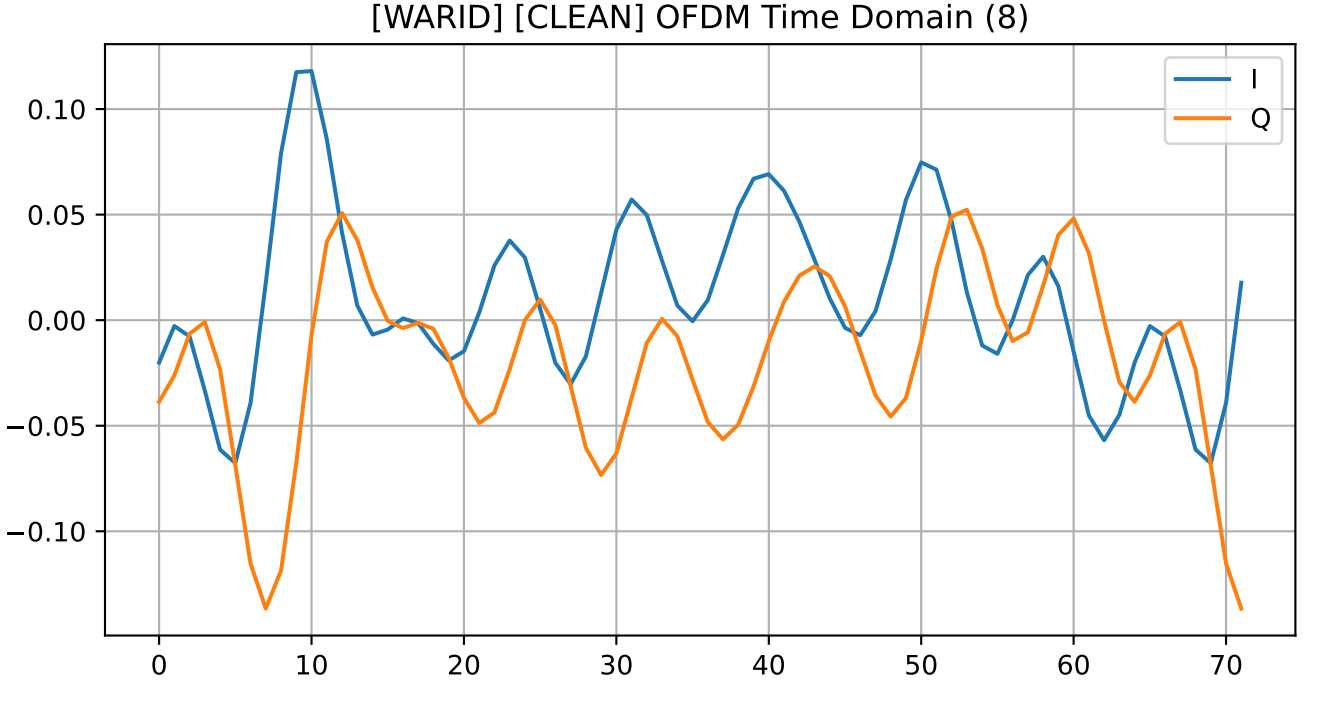
[WARID] [CLEAN] SNR (7)

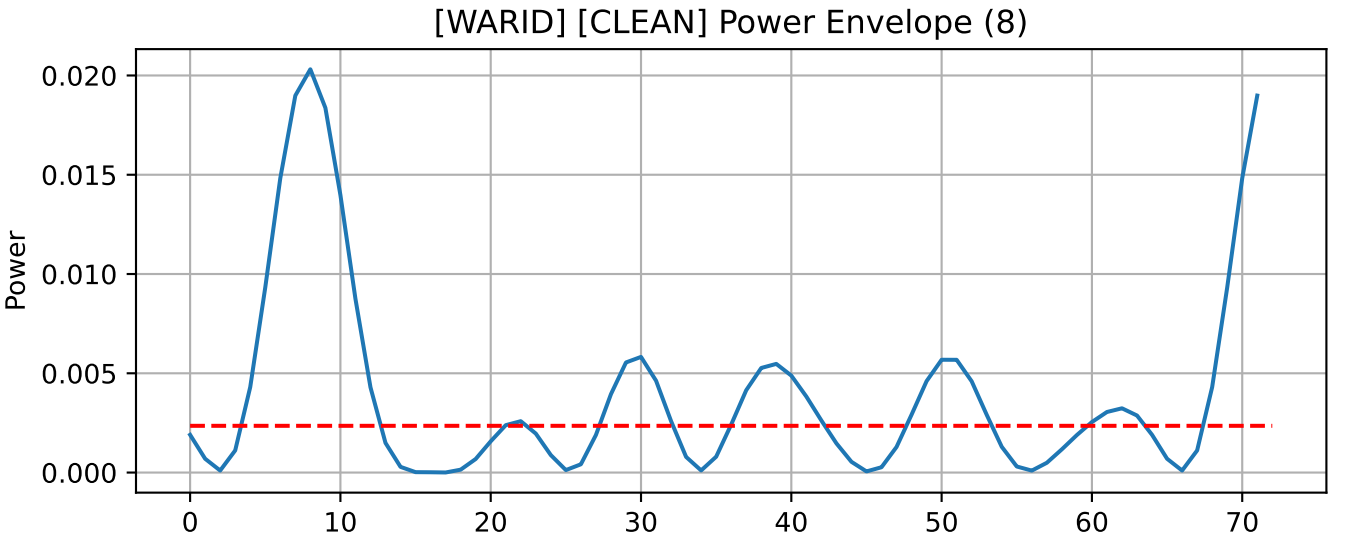


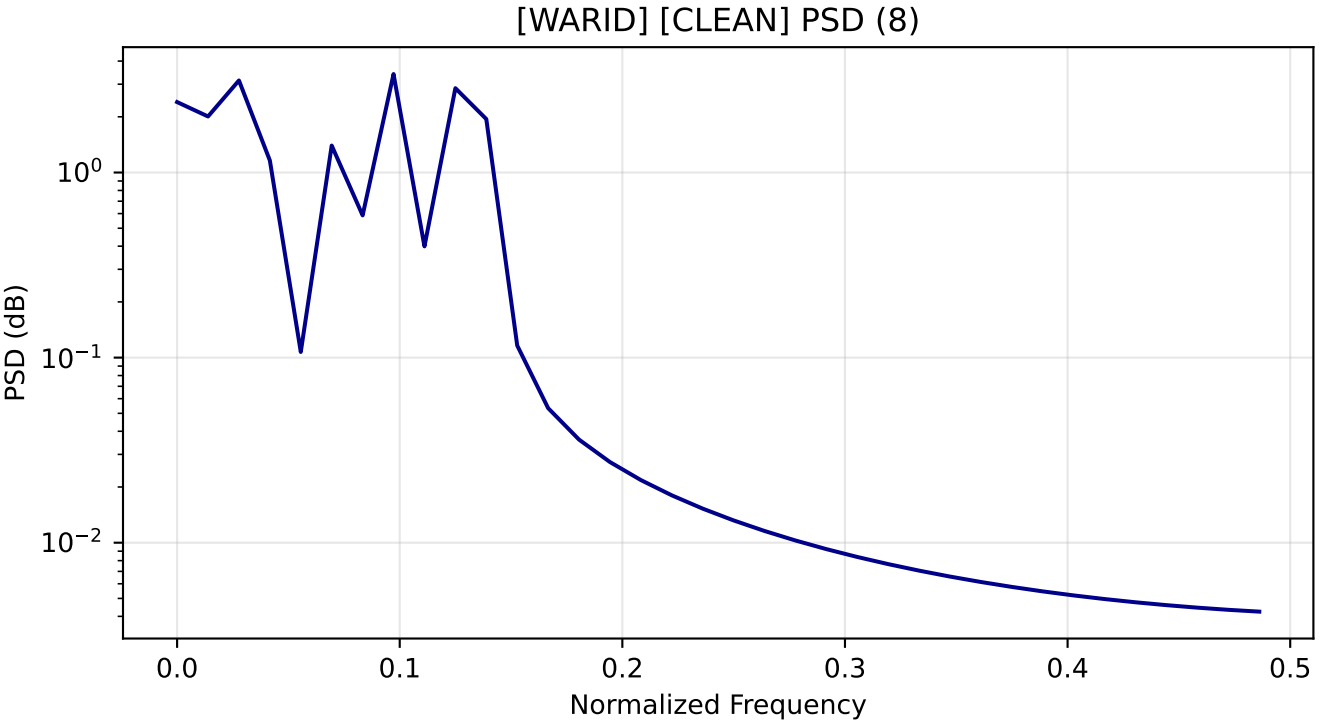

[WARID] Amplitude Dist (7)
Frequency
Amplitude
0
1
2
3
4
5
6
1.00
1.05
1.10
1.15
1.20
1.25
1.30
1.35


[WARID] Phase Dist (7)
Frequency
0
1
2
3
4
5
6
−2.5
−2.0
−1.5
−1.0
−0.5
Phase (rad)


[WARID] [CLEAN] Constellation (8)
Msg: "43r43..."
Mod: QAM-16
NC: 64, CP: 8
−0.3
−0.4
−0.5
−0.6
−0.7
−0.8
−0.9
−1.00
−0.75
−0.50
−0.25
0.00
0.25
0.50
0.75
1.00

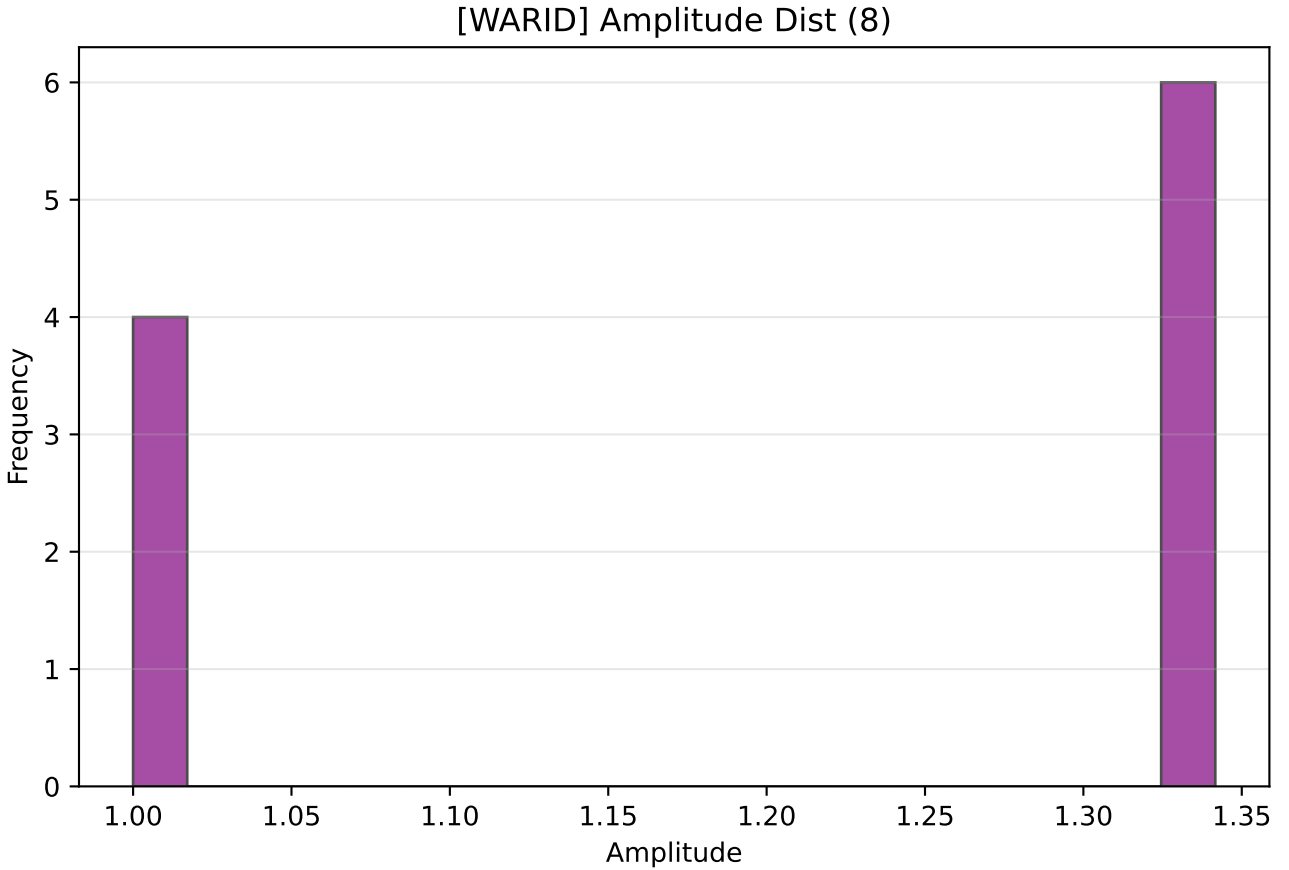

[WARID] [CLEAN] OFDM Time Domain (8)
I
Q
0.10
0.05
0.00
−0.05
−0.10
0
10
20
30
40
50
60
70

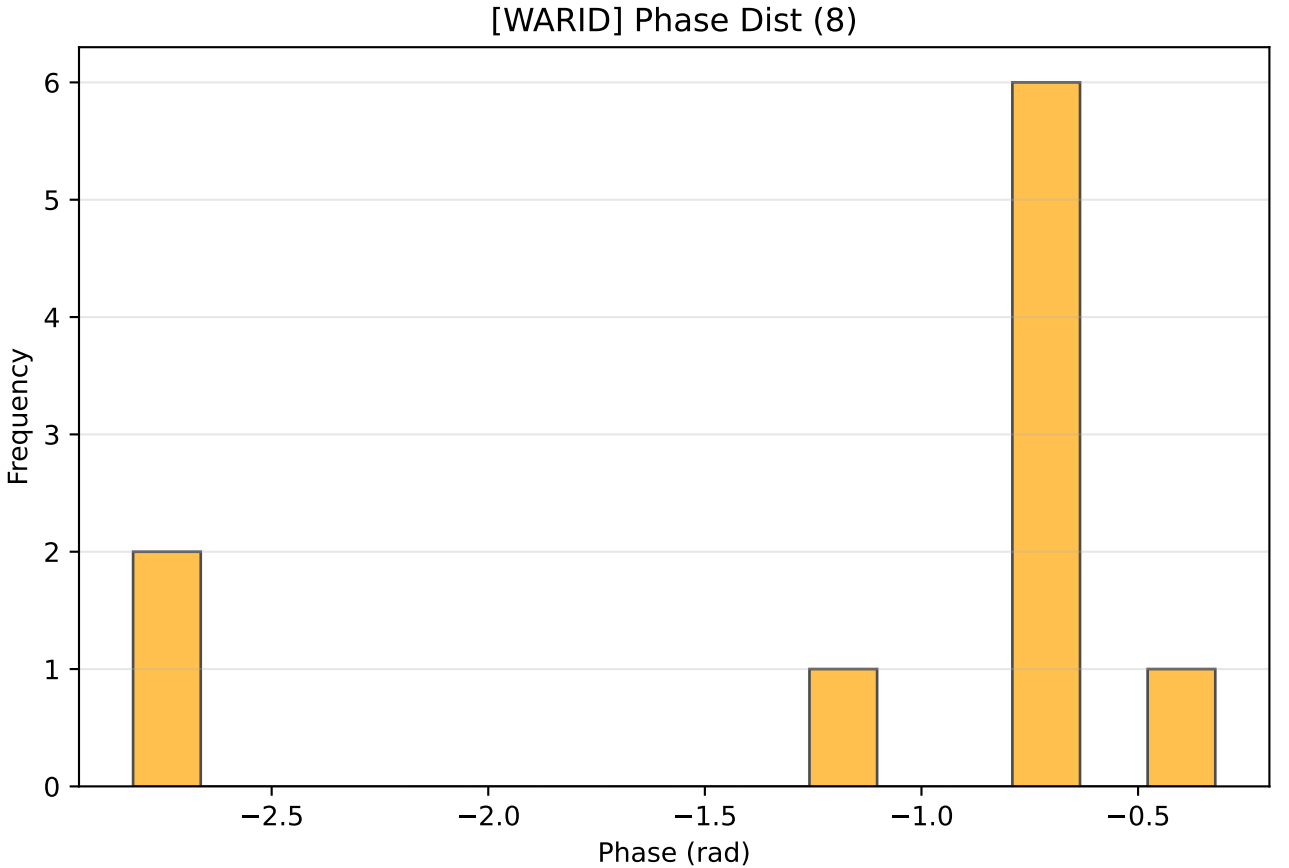

[WARID] [CLEAN] Power Envelope (8)
Power
0.020
0.015
0.010
0.005
0.000
0
10
20
30
40
50
60
70

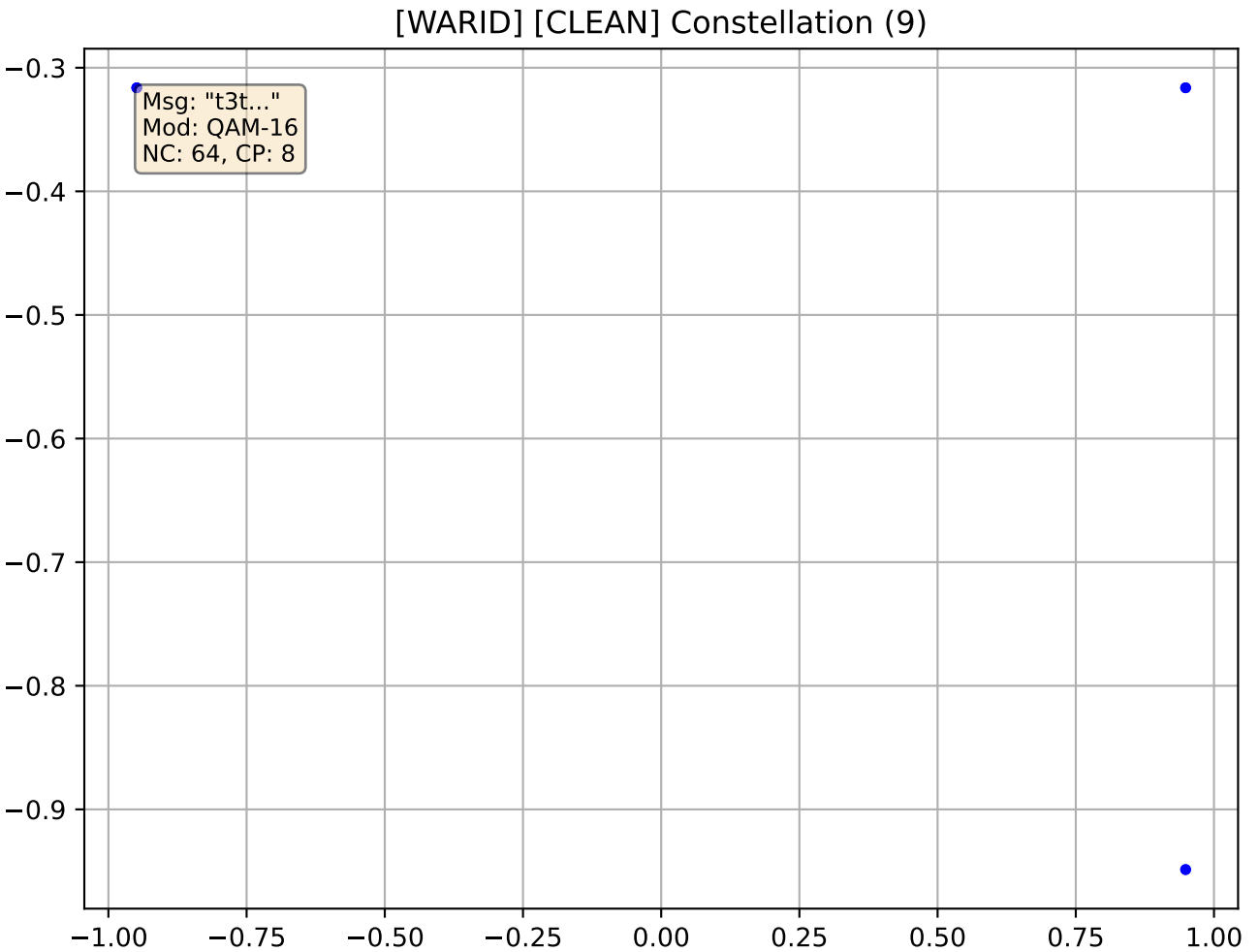

[WARID] [CLEAN] PSD (8)
PSD (dB)
10^{0}
10^{-1}
10^{-2}
0.0
0.1
0.2
0.3
0.4
0.5
Normalized Frequency

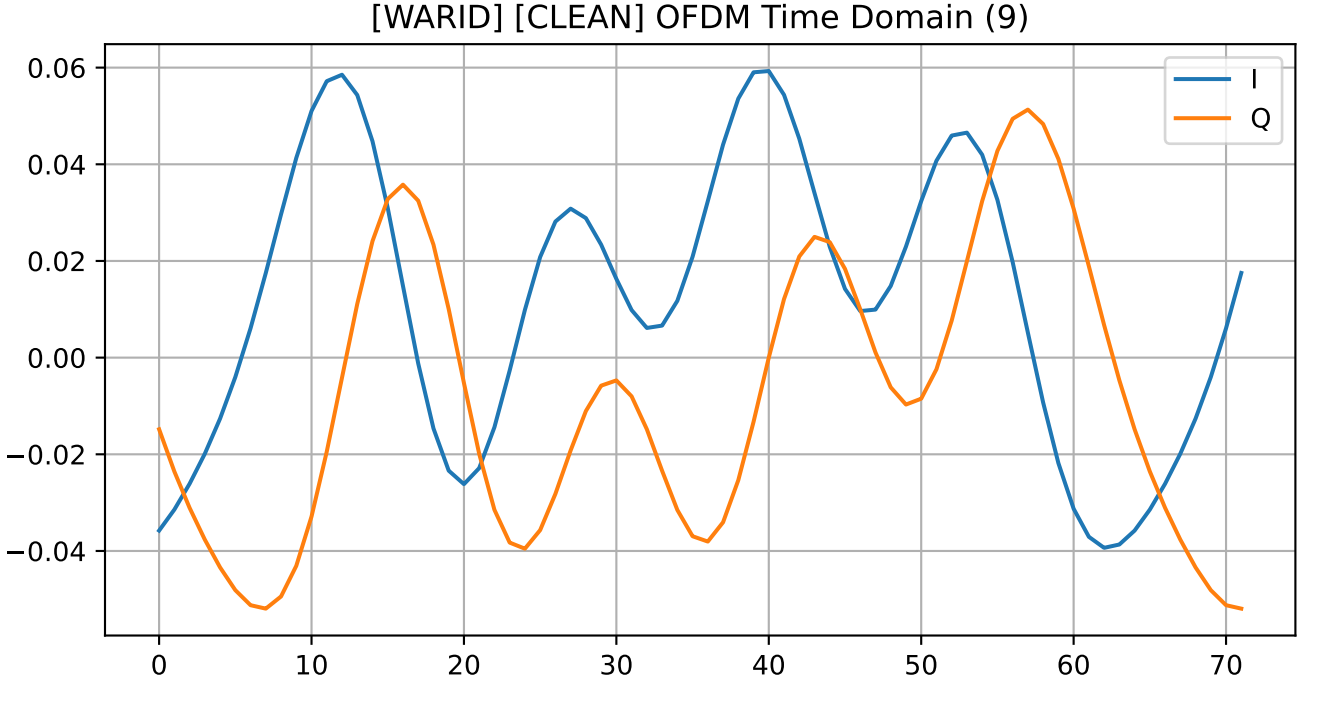
[WARID] [CLEAN] SNR (8)

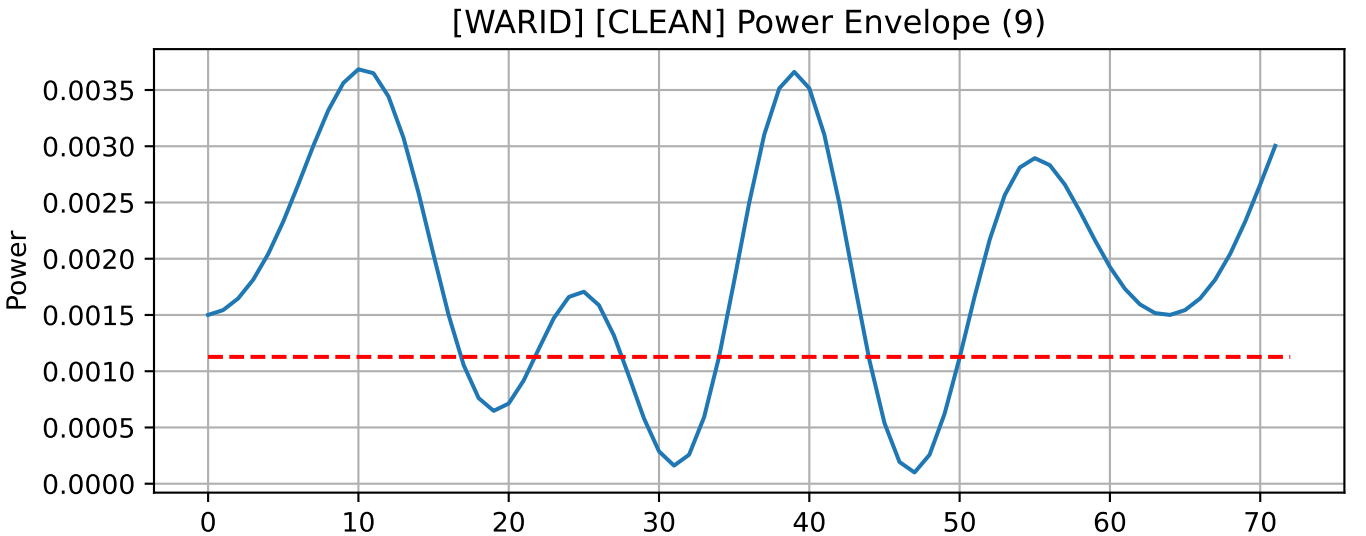
Est. SNR: 20.00 dB
Modulation: QAM-16
Received Power: 3.92e-03

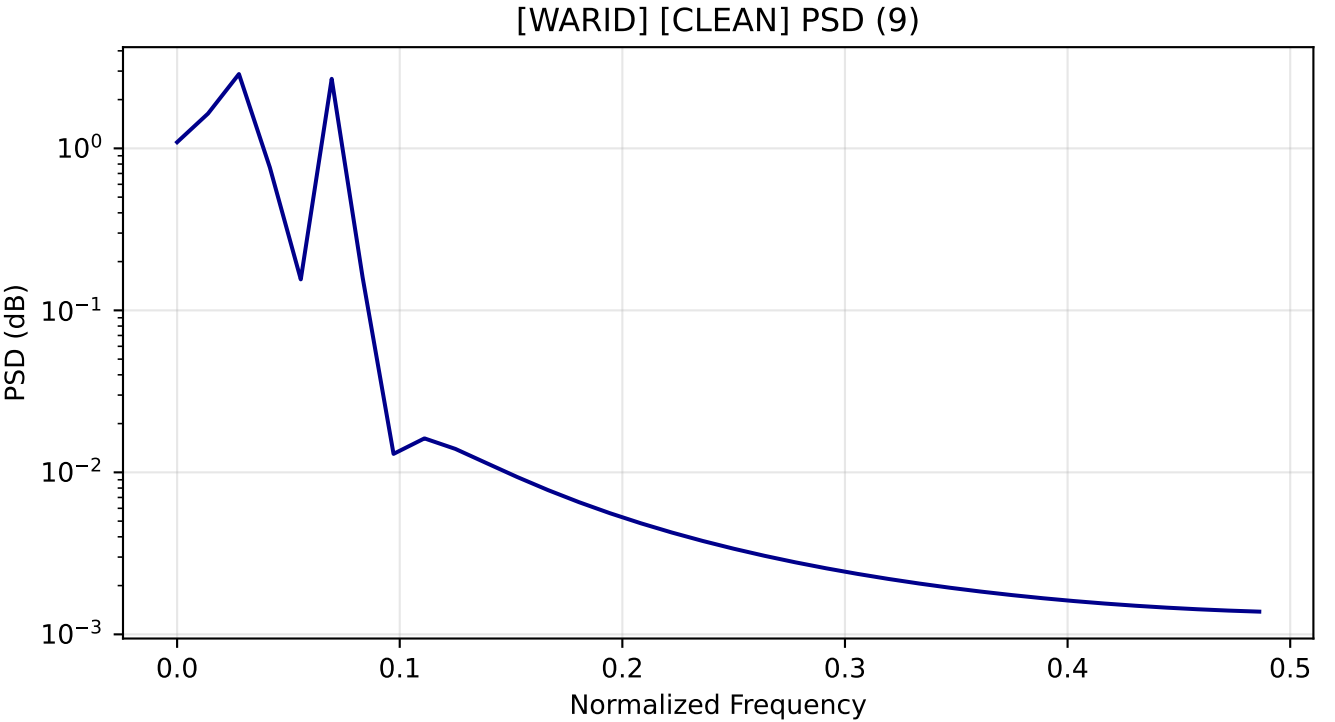

[WARID] Amplitude Dist (8)
Frequency
Amplitude
0
1
2
3
4
5
6
1.00
1.05
1.10
1.15
1.20
1.25
1.30
1.35


[WARID] Phase Dist (8)
Frequency
Phase (rad)
0
1
2
3
4
5
6
−2.5
−2.0
−1.5
−1.0
−0.5


[WARID] [CLEAN] Constellation (9)
Msg: "t3t..."
Mod: QAM-16
NC: 64, CP: 8
−0.3
−0.4
−0.5
−0.6
−0.7
−0.8
−0.9
−1.00
−0.75
−0.50
−0.25
0.00
0.25
0.50
0.75
1.00

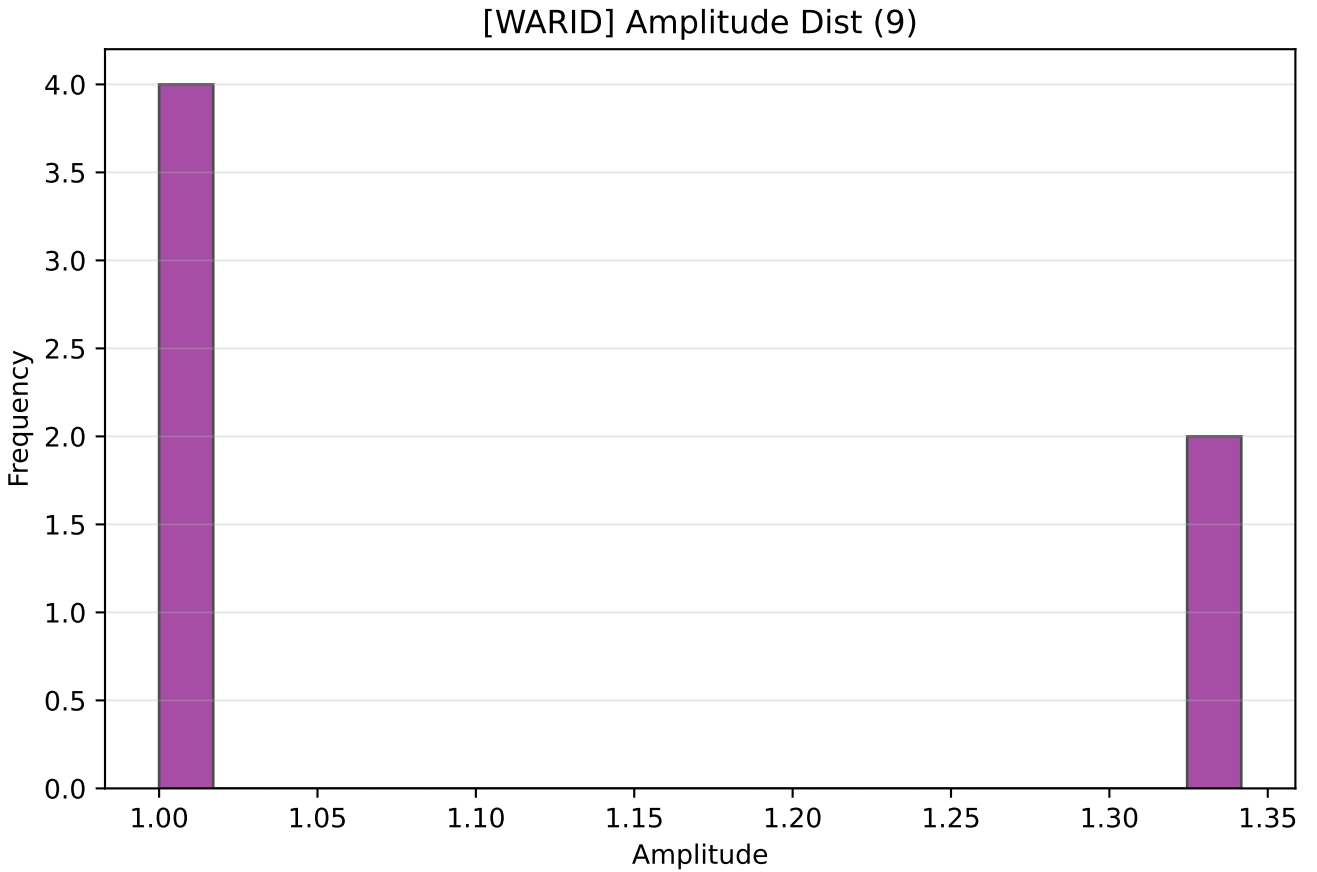

[WARID] [CLEAN] OFDM Time Domain (9)
0.06
0.04
0.02
0.00
−0.02
−0.04
0
10
20
30
40
50
60
70
I
Q

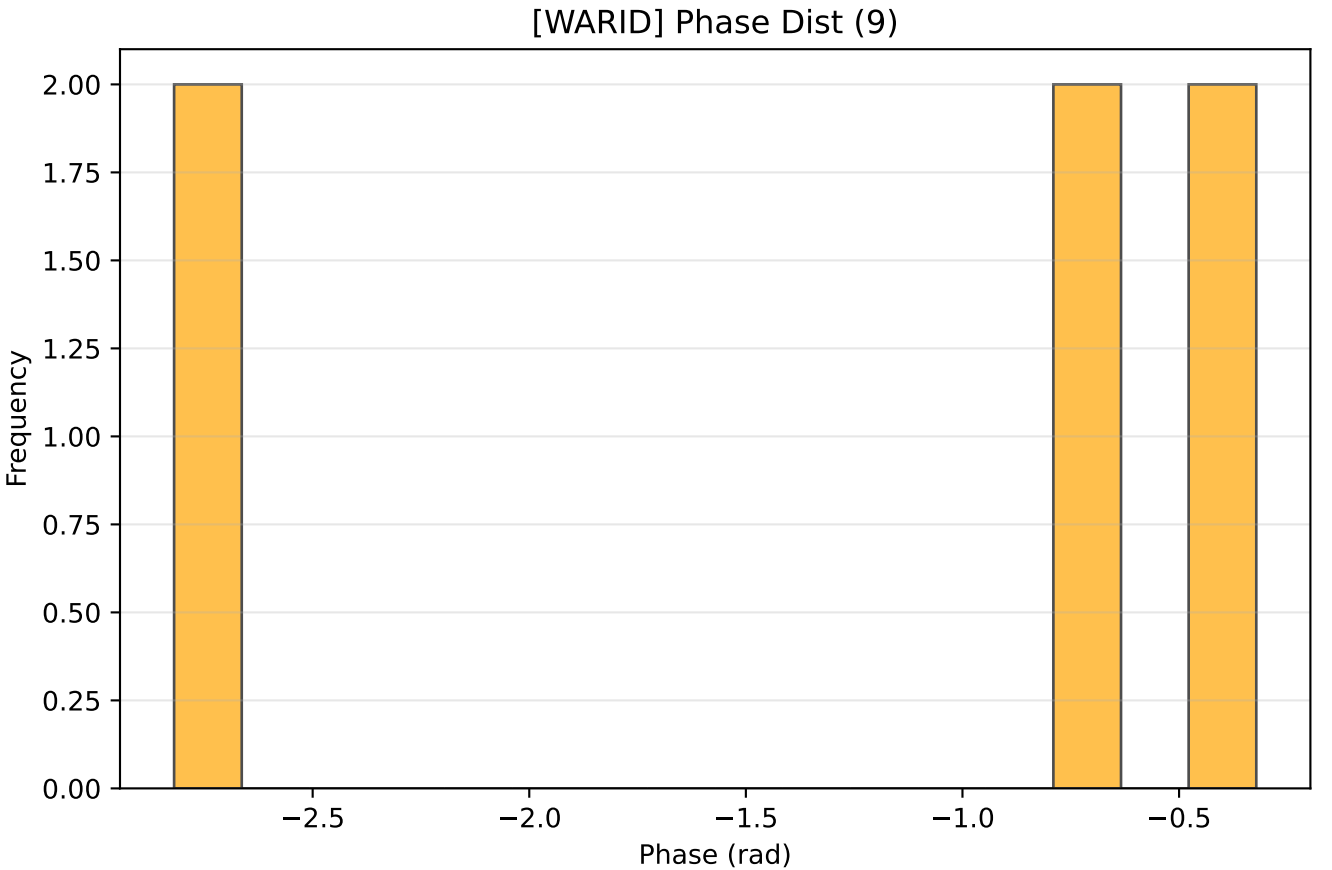

[WARID] [CLEAN] Power Envelope (9)
Power
0.0035
0.0030
0.0025
0.0020
0.0015
0.0010
0.0005
0.0000
0
10
20
30
40
50
60
70

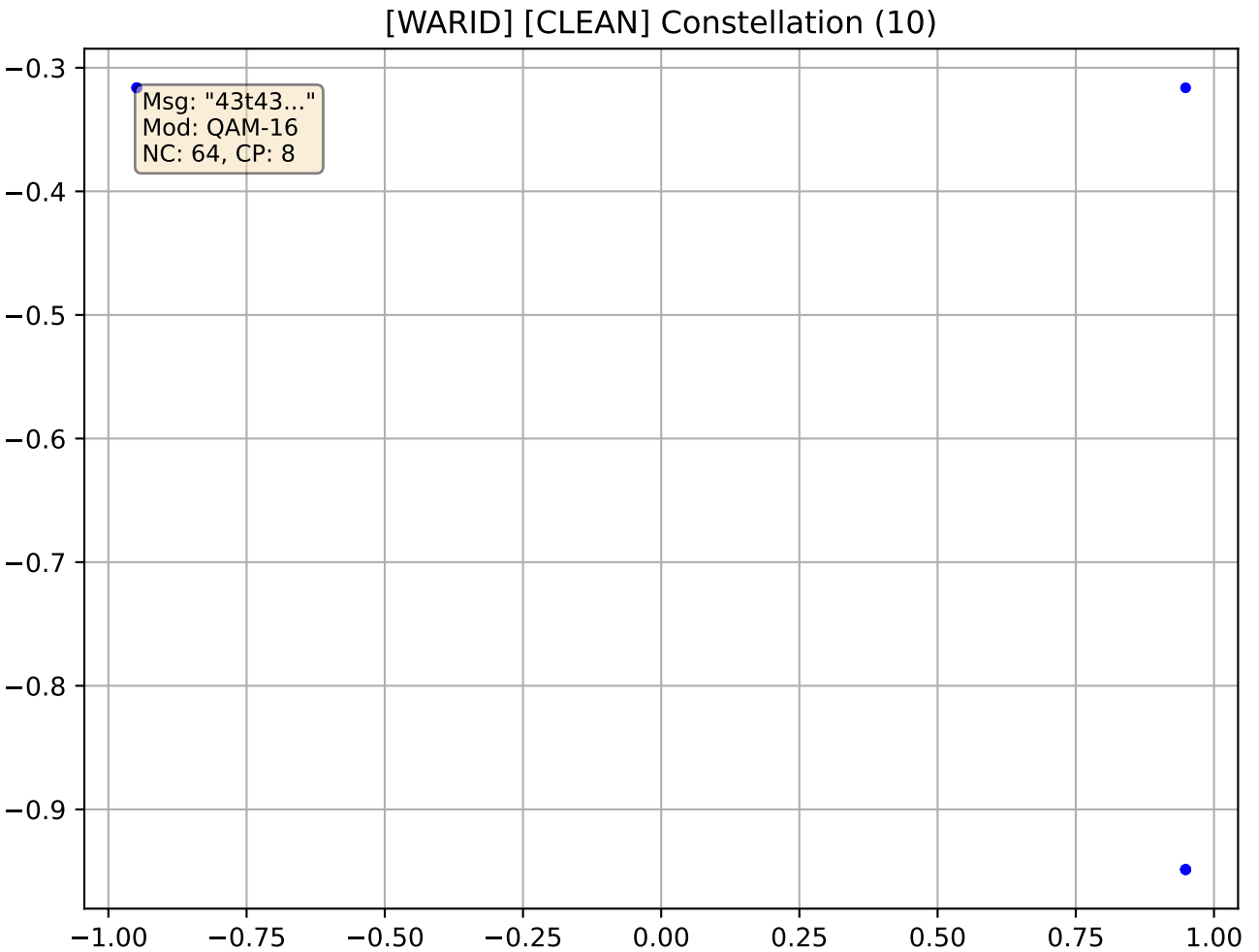

[WARID] [CLEAN] PSD (9)
PSD (dB)
10^{0}
10^{-1}
10^{-2}
10^{-3}
0.0
0.1
0.2
0.3
0.4
0.5
Normalized Frequency

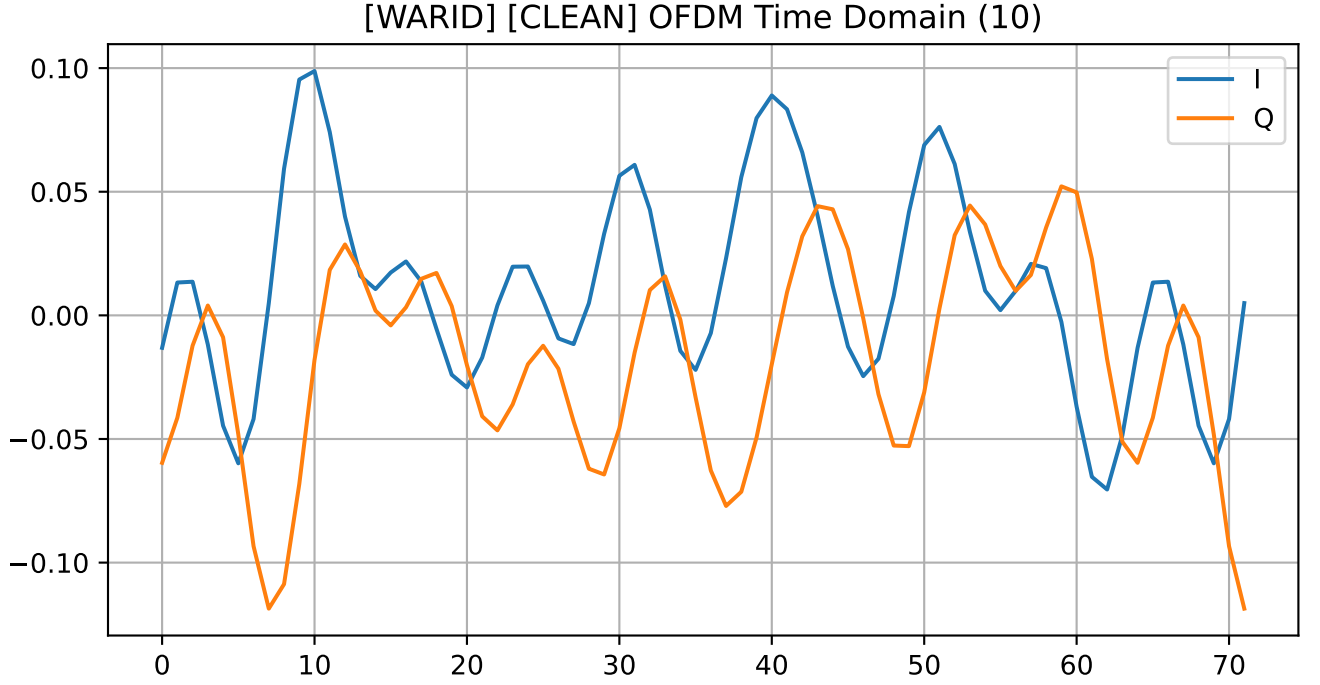
[WARID] [CLEAN] SNR (9)

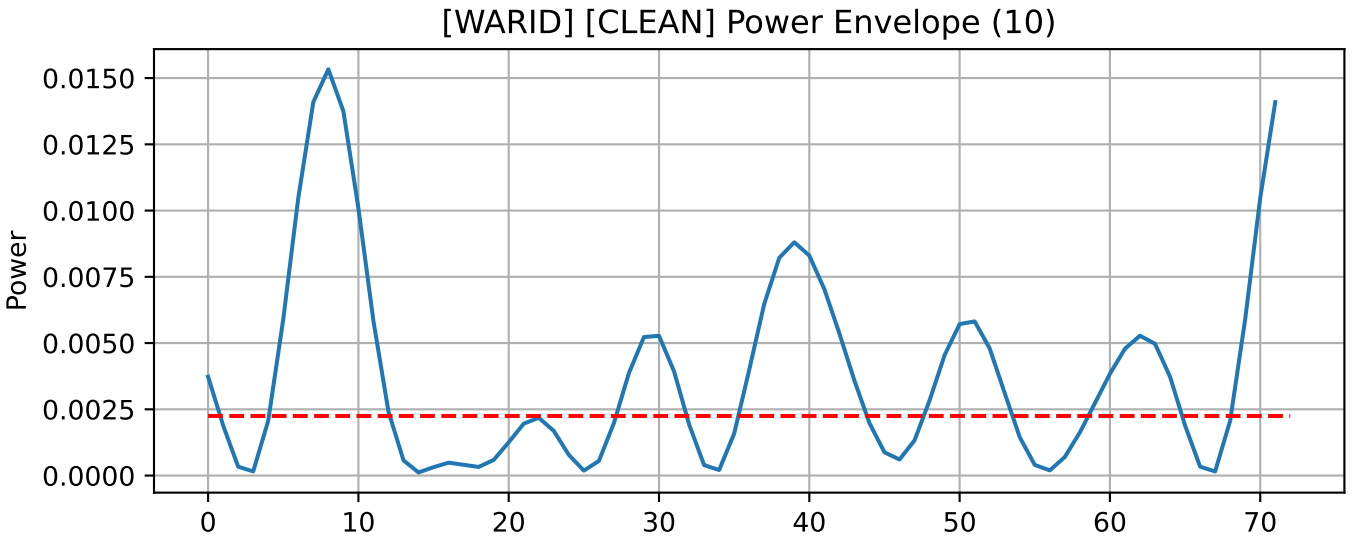
Est. SNR: 20.00 dB
Modulation: QAM-16
Received Power: 1.88e-03

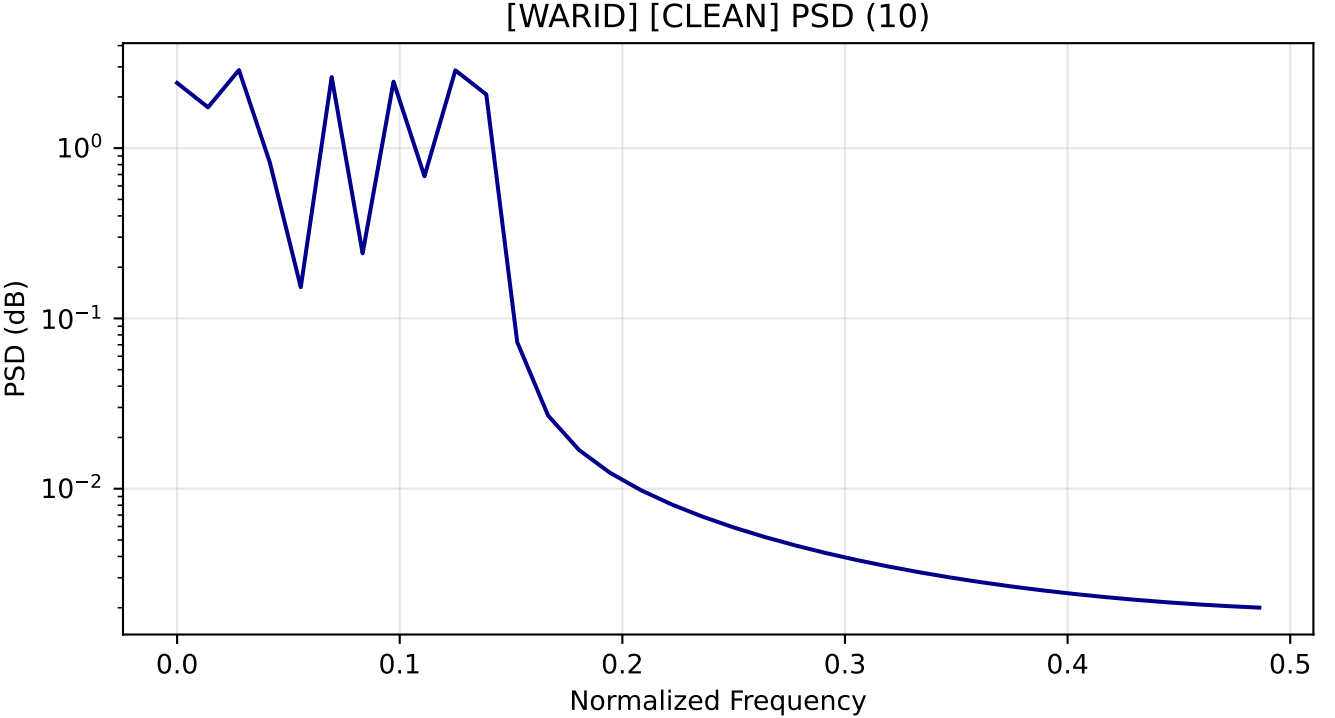

[WARID] Amplitude Dist (9)
Frequency
Amplitude
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
1.00
1.05
1.10
1.15
1.20
1.25
1.30
1.35


[WARID] Phase Dist (9)
Frequency
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
−2.5
−2.0
−1.5
−1.0
−0.5
Phase (rad)

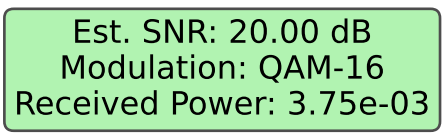

[WARID] [CLEAN] Constellation (10)
Msg: "43t43..."
Mod: QAM-16
NC: 64, CP: 8
−0.3
−0.4
−0.5
−0.6
−0.7
−0.8
−0.9
−1.00
−0.75
−0.50
−0.25
0.00
0.25
0.50
0.75
1.00

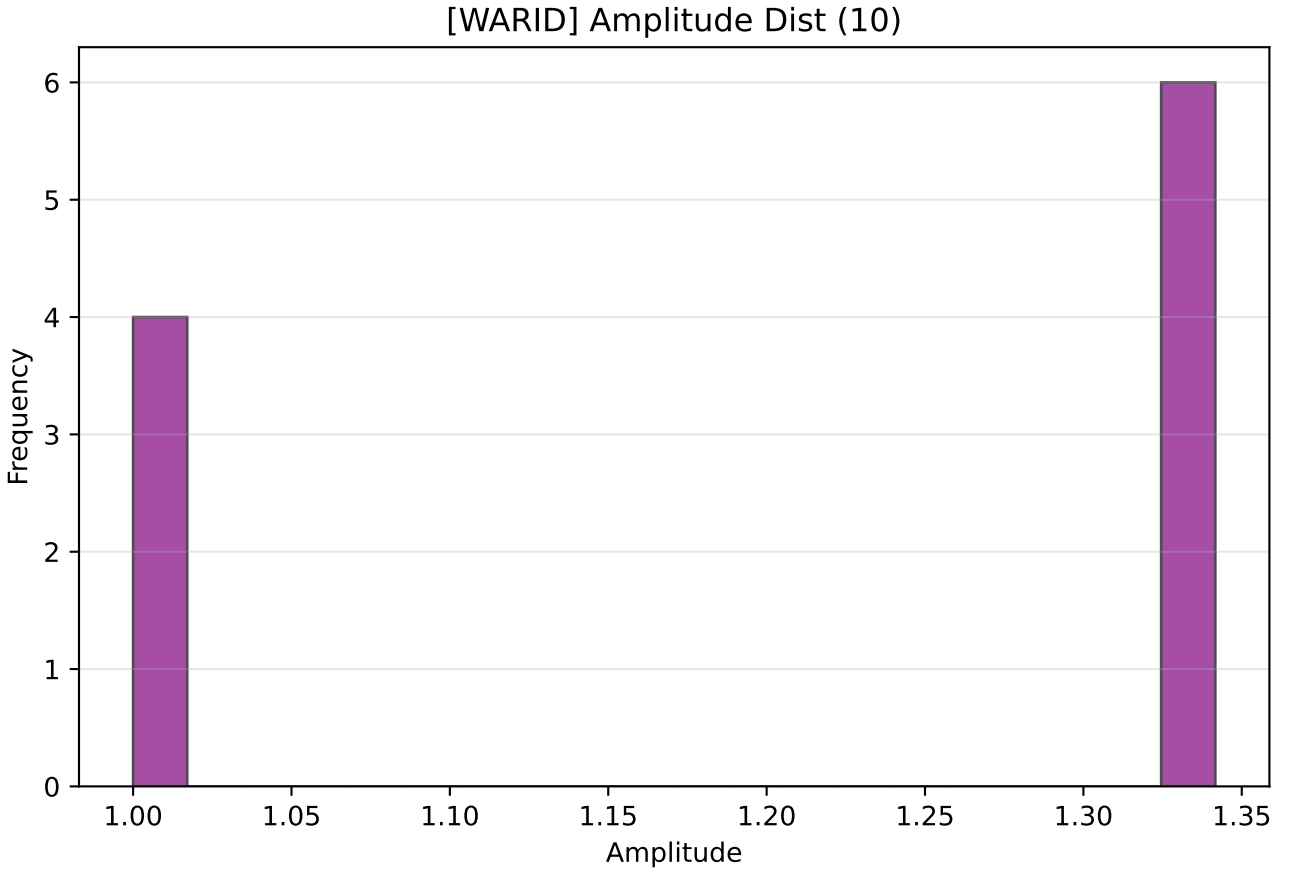

[WARID] [CLEAN] OFDM Time Domain (10)
0.10
0.05
0.00
−0.05
−0.10
0
10
20
30
40
50
60
70
I
Q

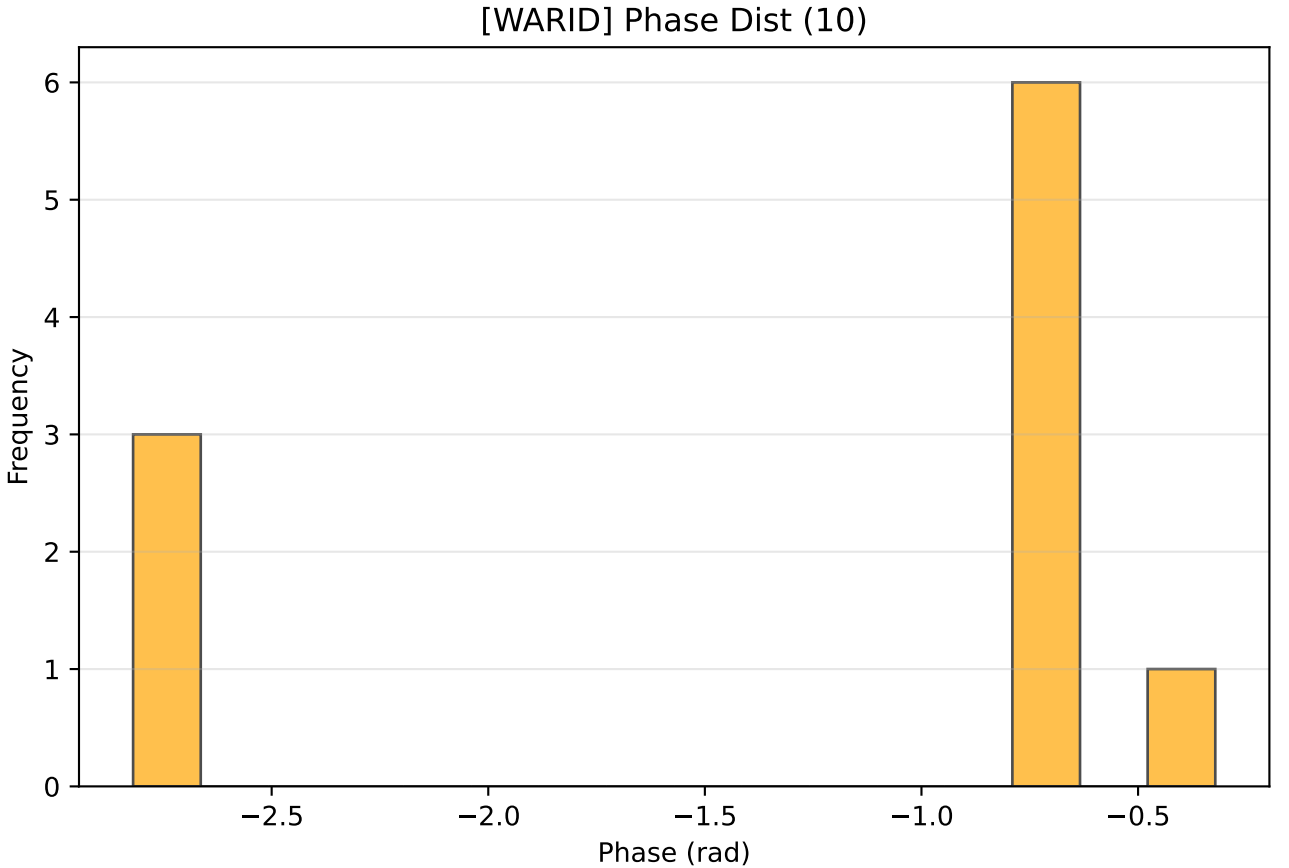

[WARID] [CLEAN] Power Envelope (10)
Power
0.0150
0.0125
0.0100
0.0075
0.0050
0.0025
0.0000
0
10
20
30
40
50
60
70

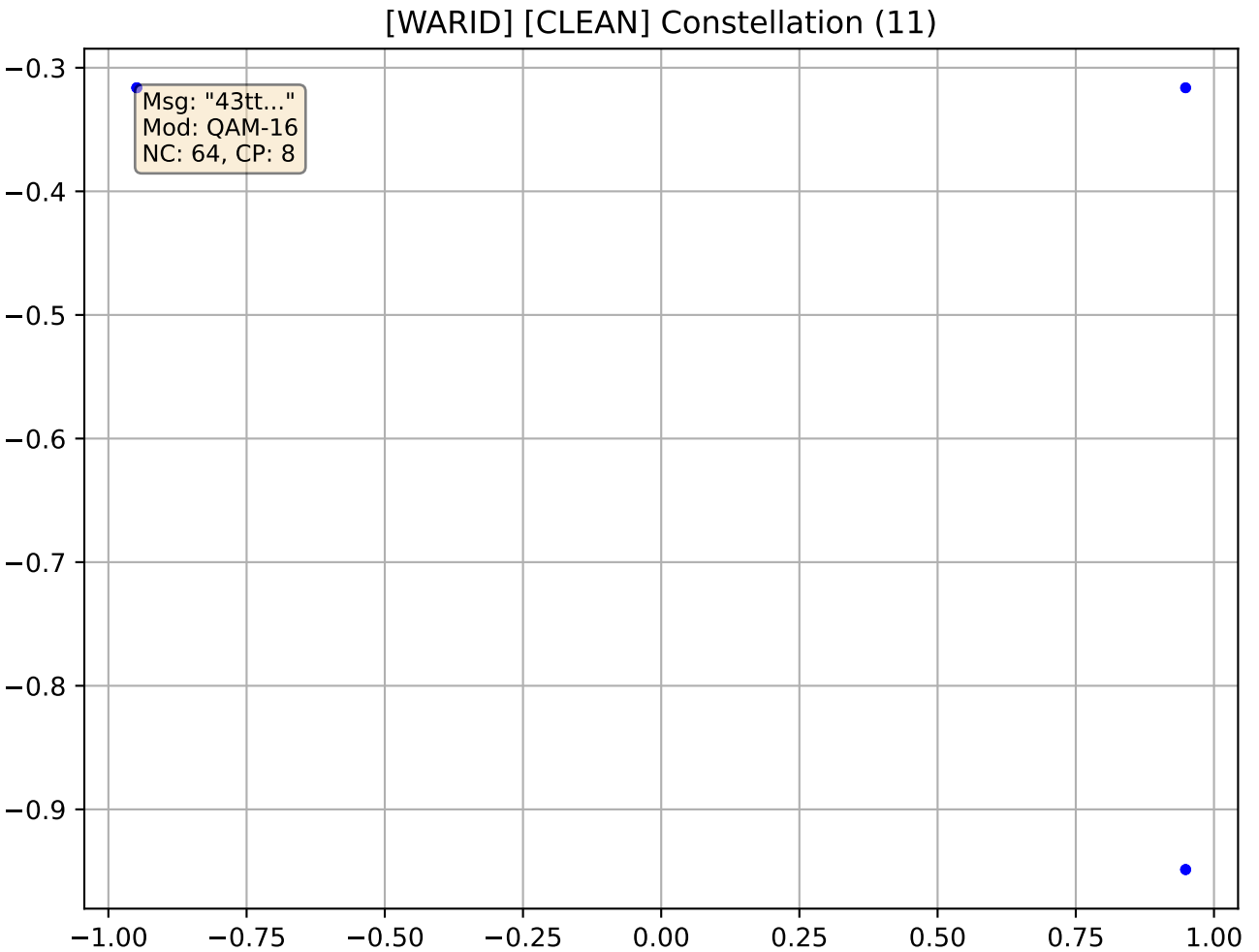

[WARID] [CLEAN] PSD (10)
PSD (dB)
10^{0}
10^{-1}
10^{-2}
0.0
0.1
0.2
0.3
0.4
0.5
Normalized Frequency

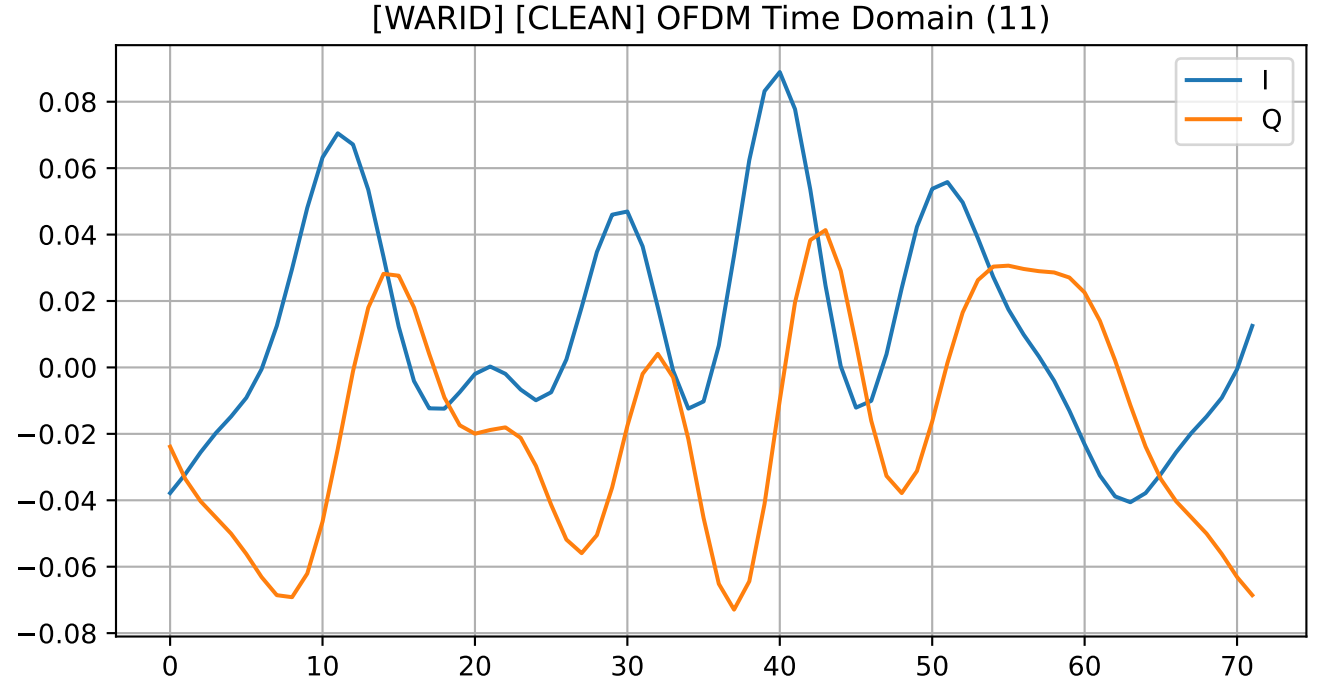
[WARID] [CLEAN] SNR (10)

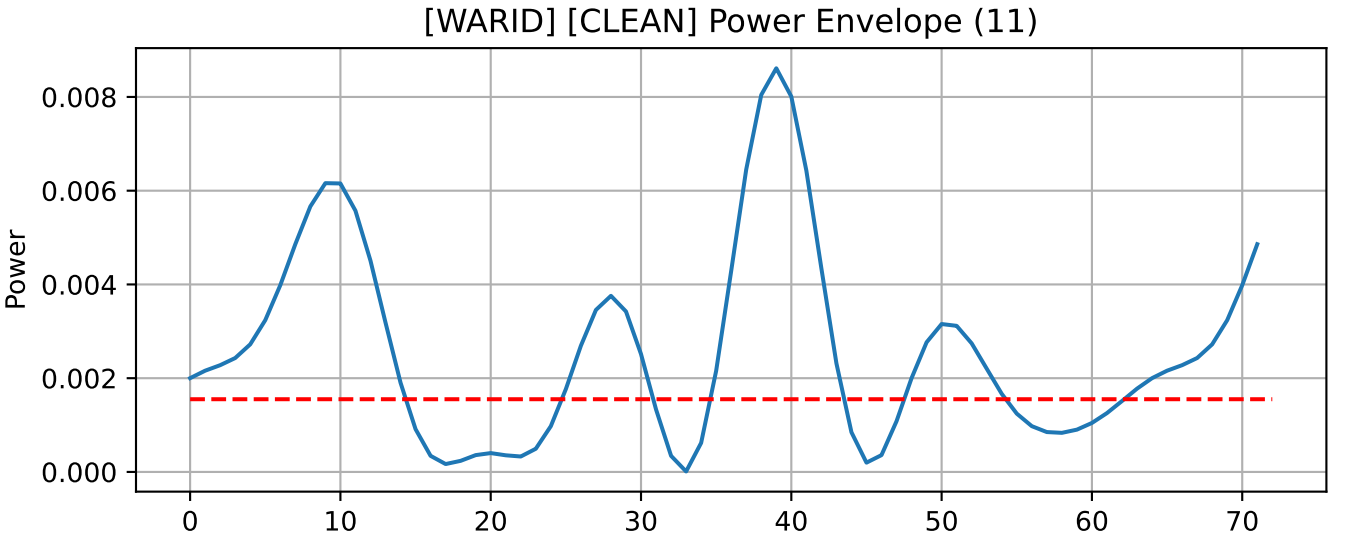


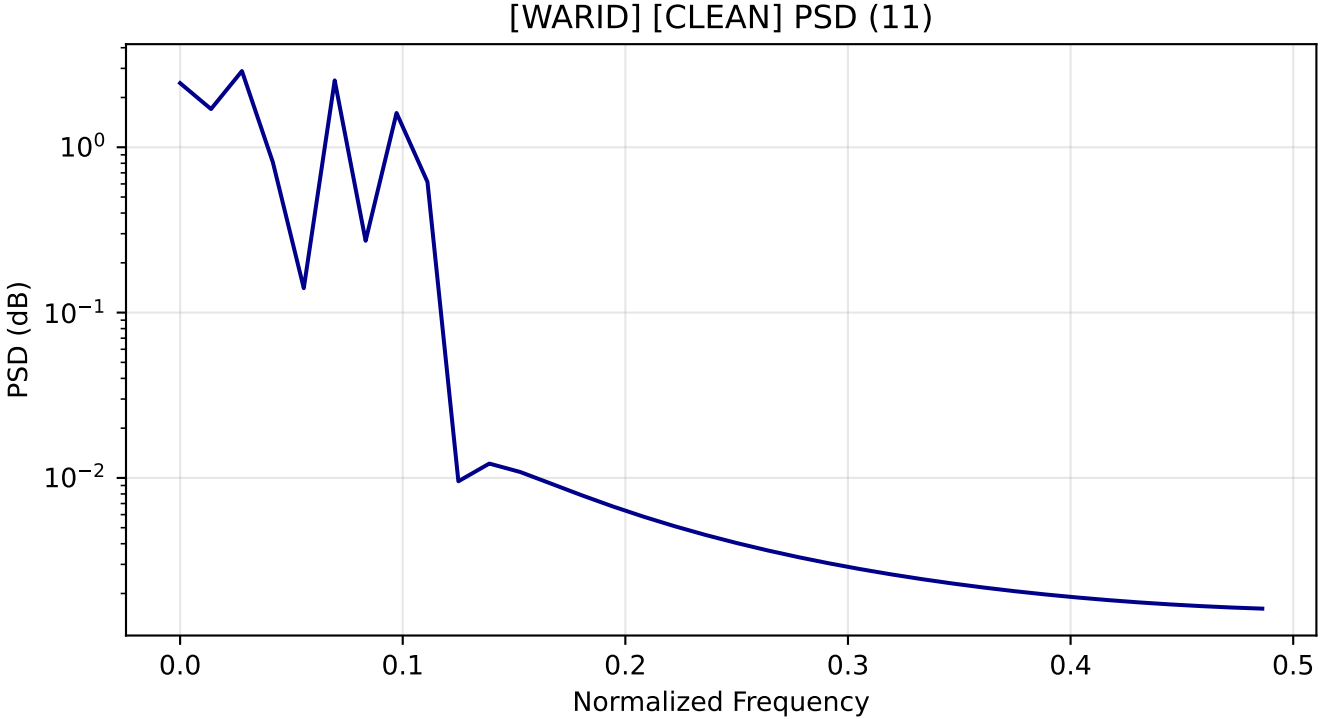

[WARID] Amplitude Dist (10)
Frequency
Amplitude
0
1
2
3
4
5
6
1.00
1.05
1.10
1.15
1.20
1.25
1.30
1.35


[WARID] Phase Dist (10)
Frequency
Phase (rad)
0
1
2
3
4
5
6
−2.5
−2.0
−1.5
−1.0
−0.5

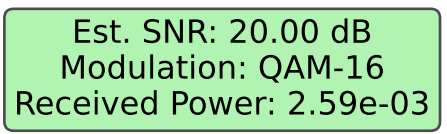

[WARID] [CLEAN] Constellation (11)
Msg: "43tt..."
Mod: QAM-16
NC: 64, CP: 8
−0.3
−0.4
−0.5
−0.6
−0.7
−0.8
−0.9
−1.00
−0.75
−0.50
−0.25
0.00
0.25
0.50
0.75
1.00

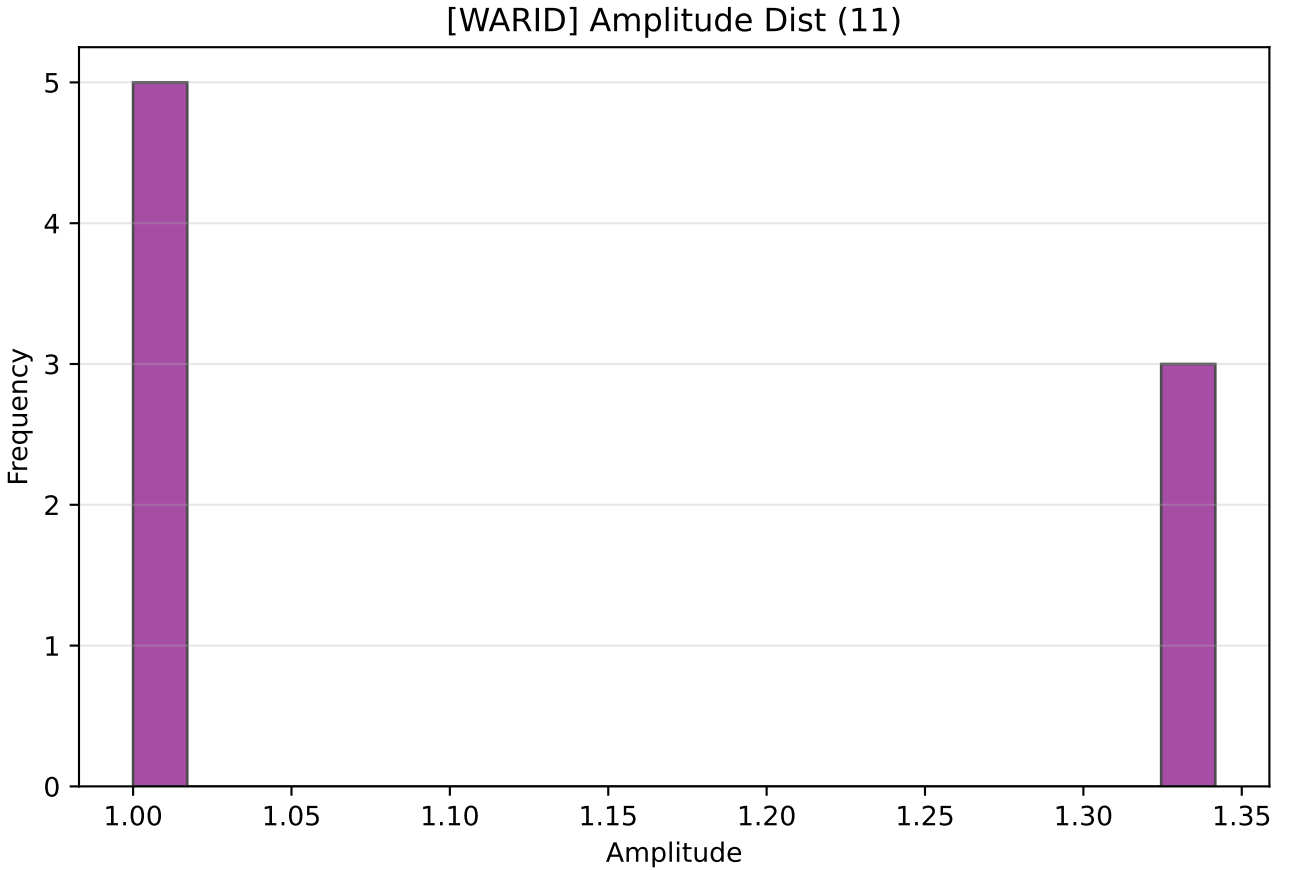

[WARID] [CLEAN] OFDM Time Domain (11)
I
Q
0.08
0.06
0.04
0.02
0.00
−0.02
−0.04
−0.06
−0.08
0
10
20
30
40
50
60
70

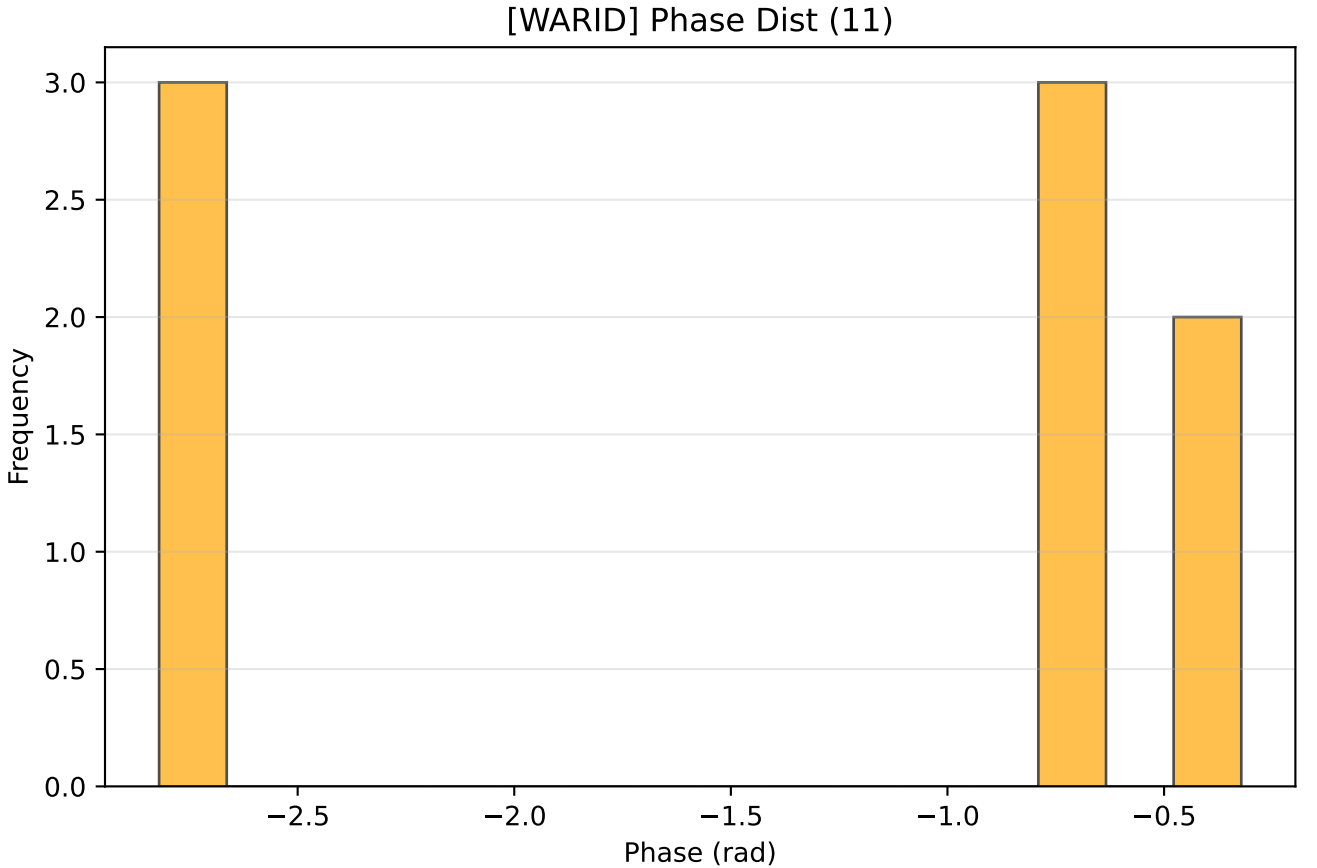

[WARID] [CLEAN] Power Envelope (11)
Power
0.008
0.006
0.004
0.002
0.000
0
10
20
30
40
50
60
70

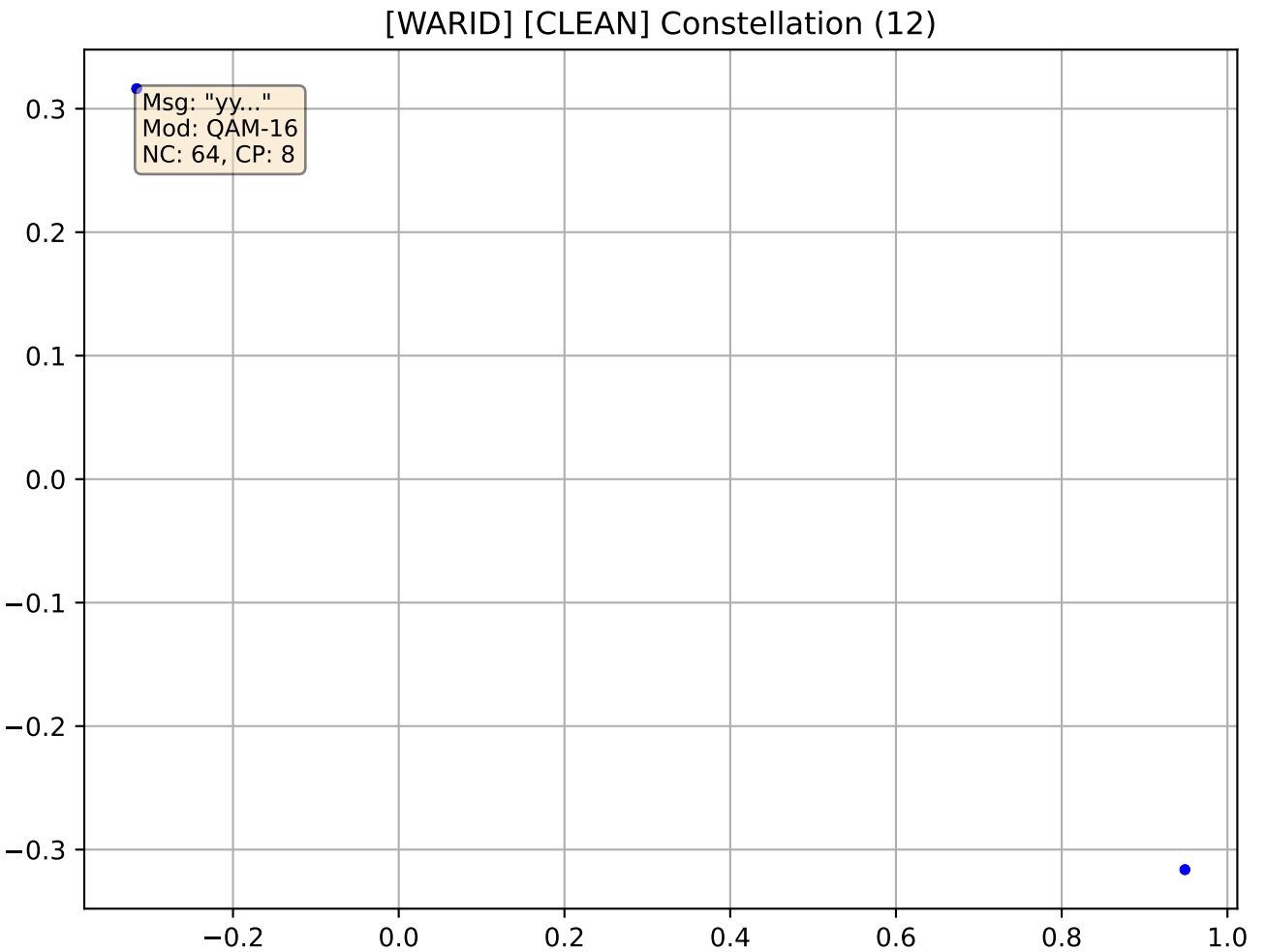

[WARID] [CLEAN] PSD (11)
PSD (dB)
10^{0}
10^{-1}
10^{-2}
0.0
0.1
0.2
0.3
0.4
0.5
Normalized Frequency

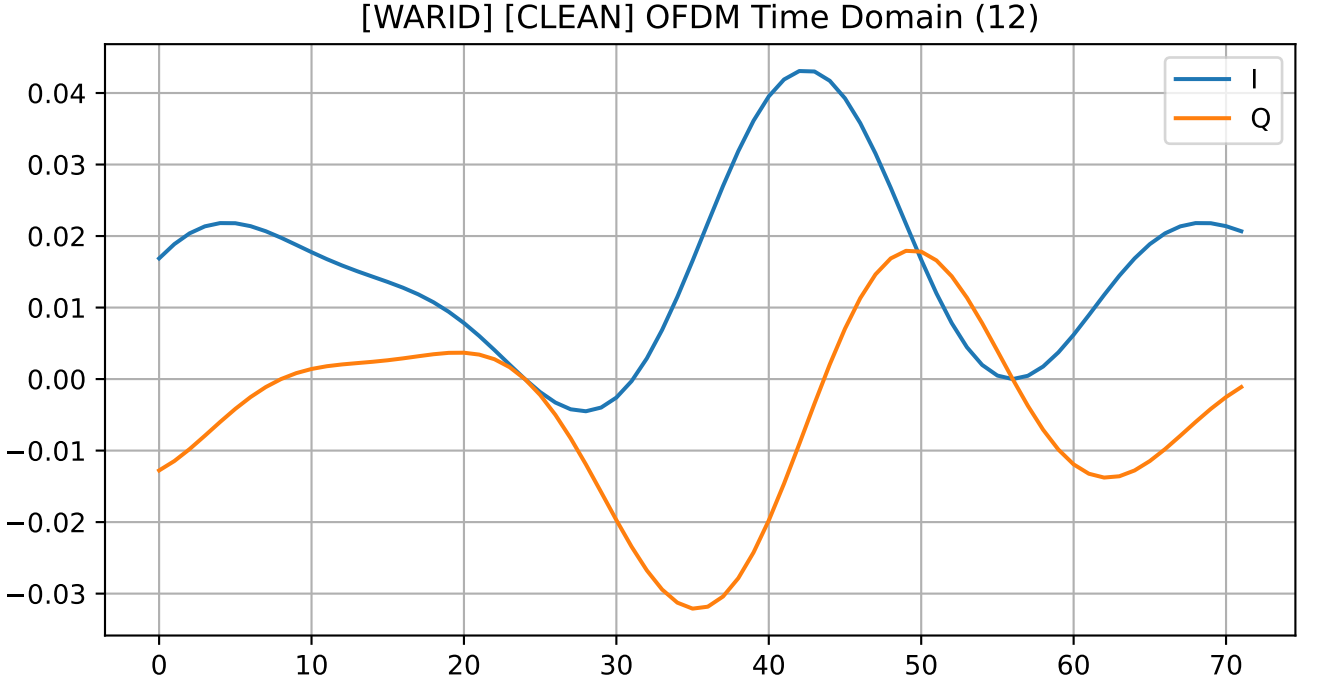
[WARID] [CLEAN] SNR (11)

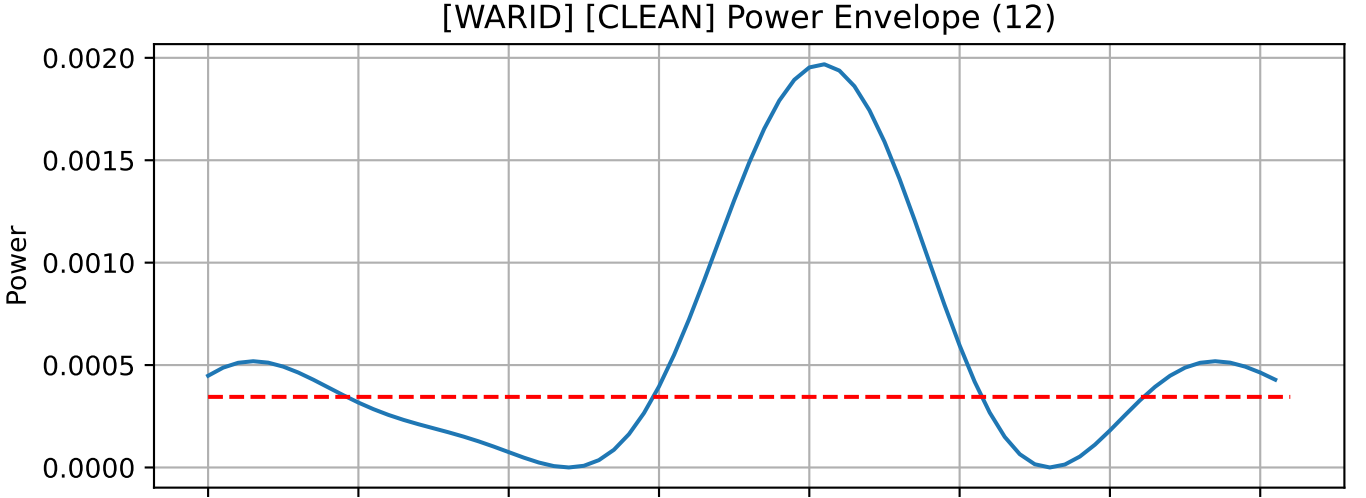


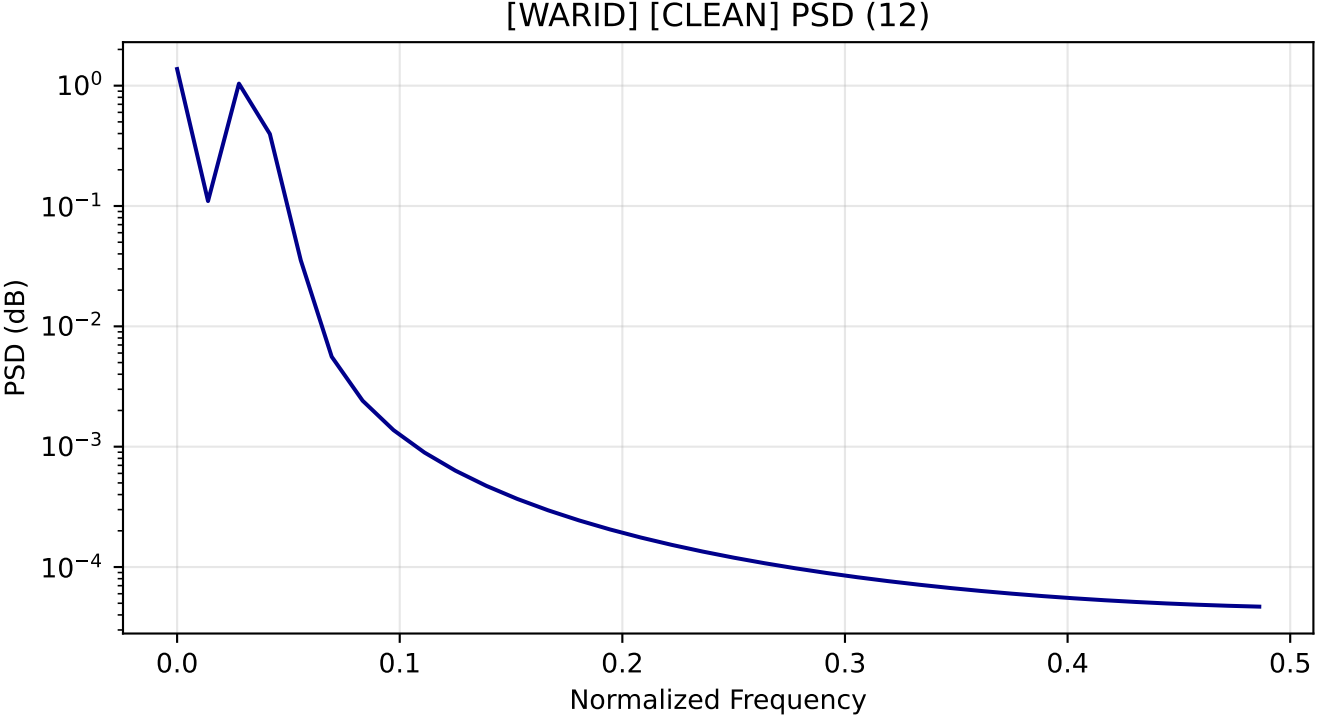

[WARID] Amplitude Dist (11)
Frequency
Amplitude
0
1
2
3
4
5
1.00
1.05
1.10
1.15
1.20
1.25
1.30
1.35


[WARID] Phase Dist (11)
Frequency
3.0
2.5
2.0
1.5
1.0
0.5
0.0
−2.5
−2.0
−1.5
−1.0
−0.5
Phase (rad)

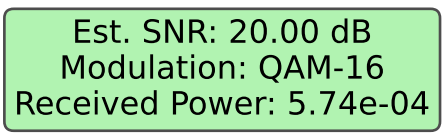

[WARID] [CLEAN] Constellation (12)
Msg: "yy..."
Mod: QAM-16
NC: 64, CP: 8
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
−0.2
0.0
0.2
0.4
0.6
0.8
1.0

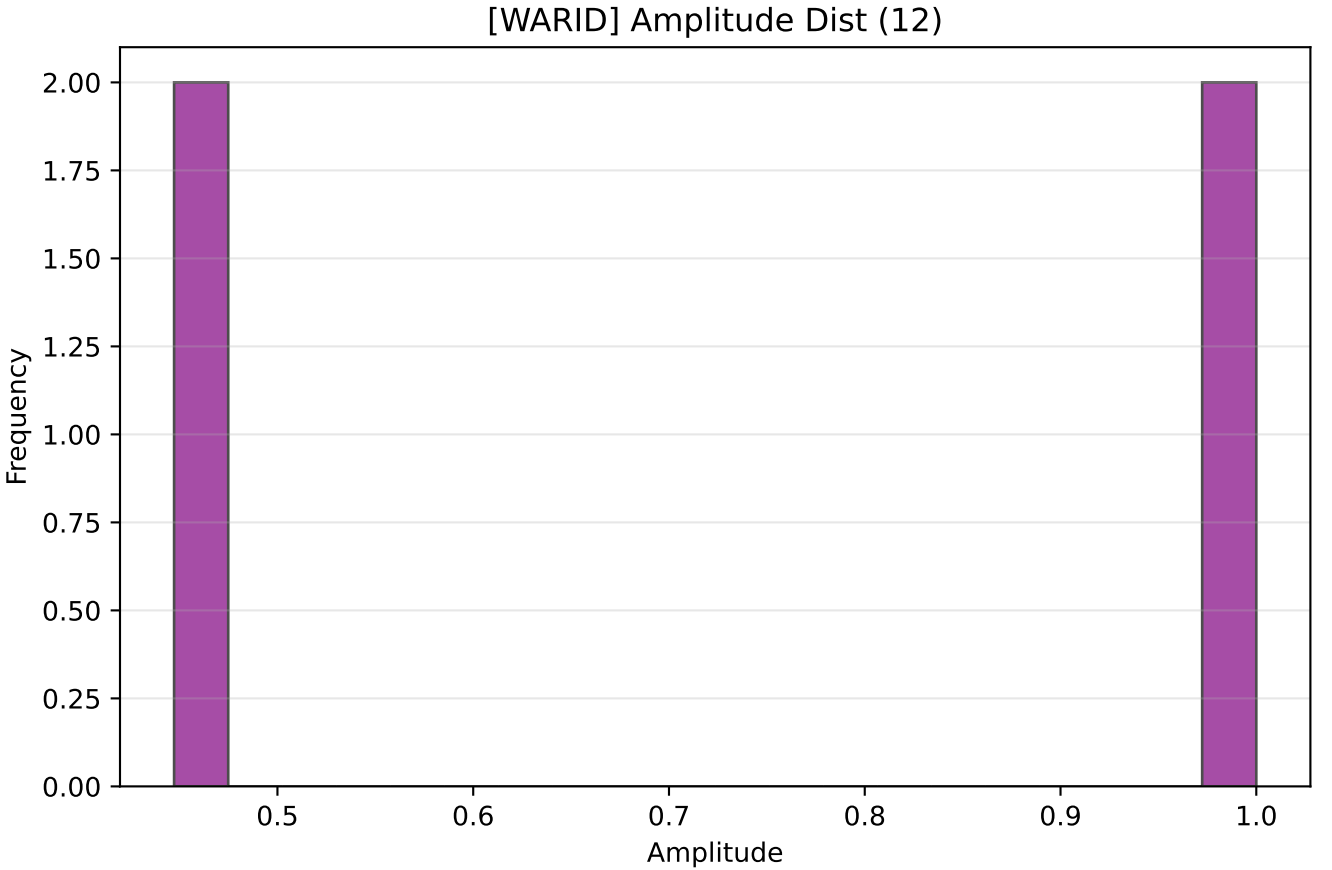

[WARID] [CLEAN] OFDM Time Domain (12)
I
Q
0.04
0.03
0.02
0.01
0.00
−0.01
−0.02
−0.03
0
10
20
30
40
50
60
70

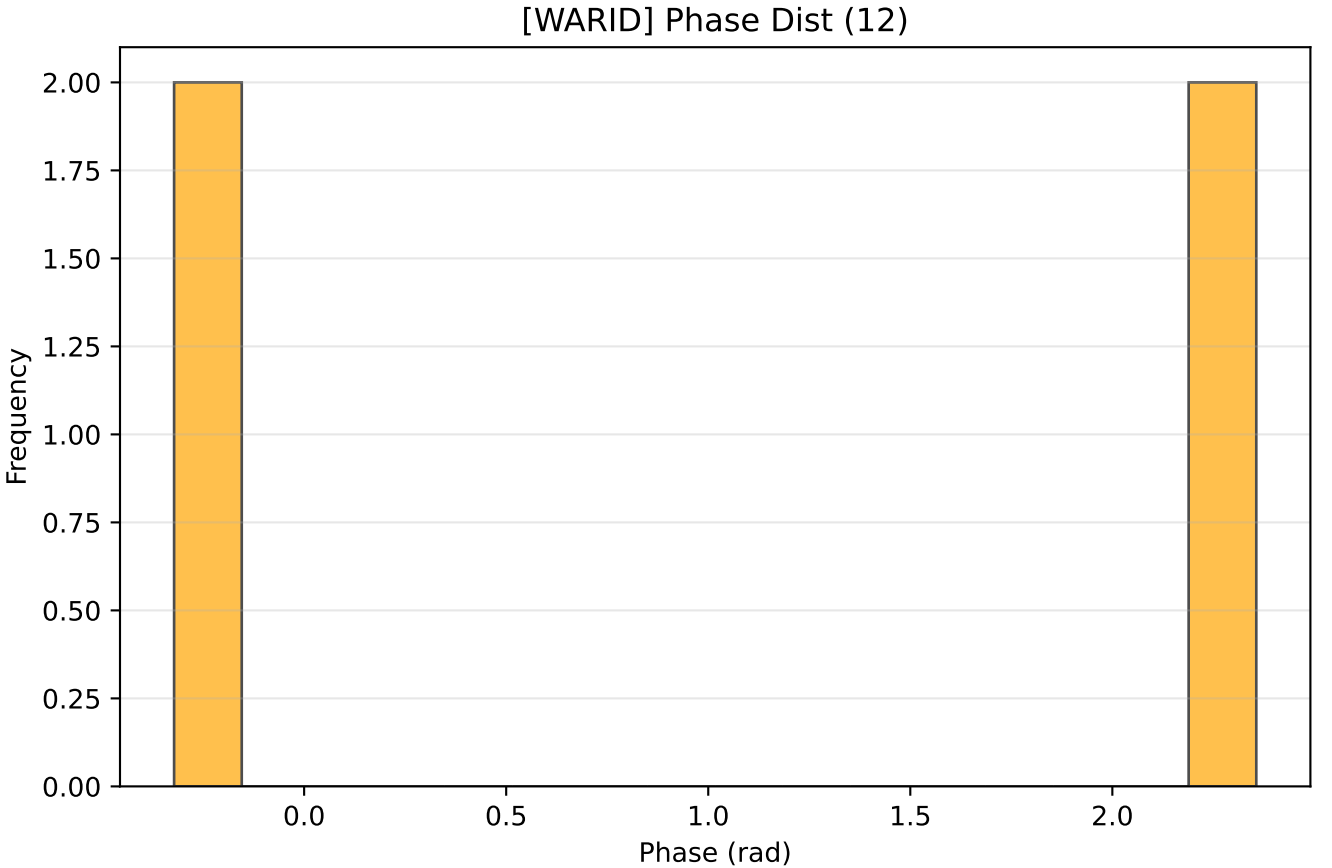

[WARID] [CLEAN] Power Envelope (12)
Power
0.0020
0.0015
0.0010
0.0005
0.0000
0
10
20
30
40
50
60
70

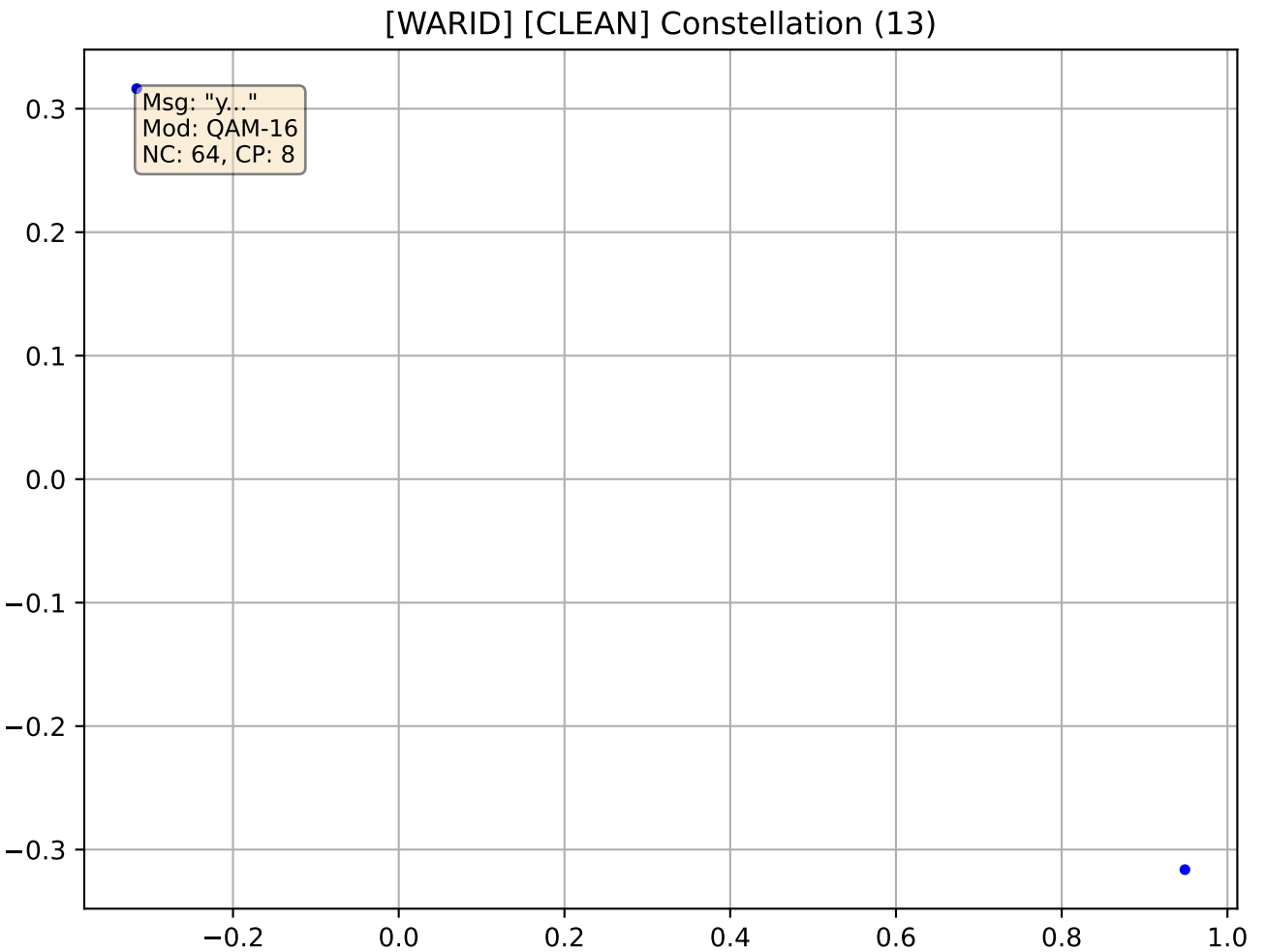

[WARID] [CLEAN] PSD (12)
PSD (dB)
10^{0}
10^{-1}
10^{-2}
10^{-3}
10^{-4}
0.0
0.1
0.2
0.3
0.4
0.5
Normalized Frequency

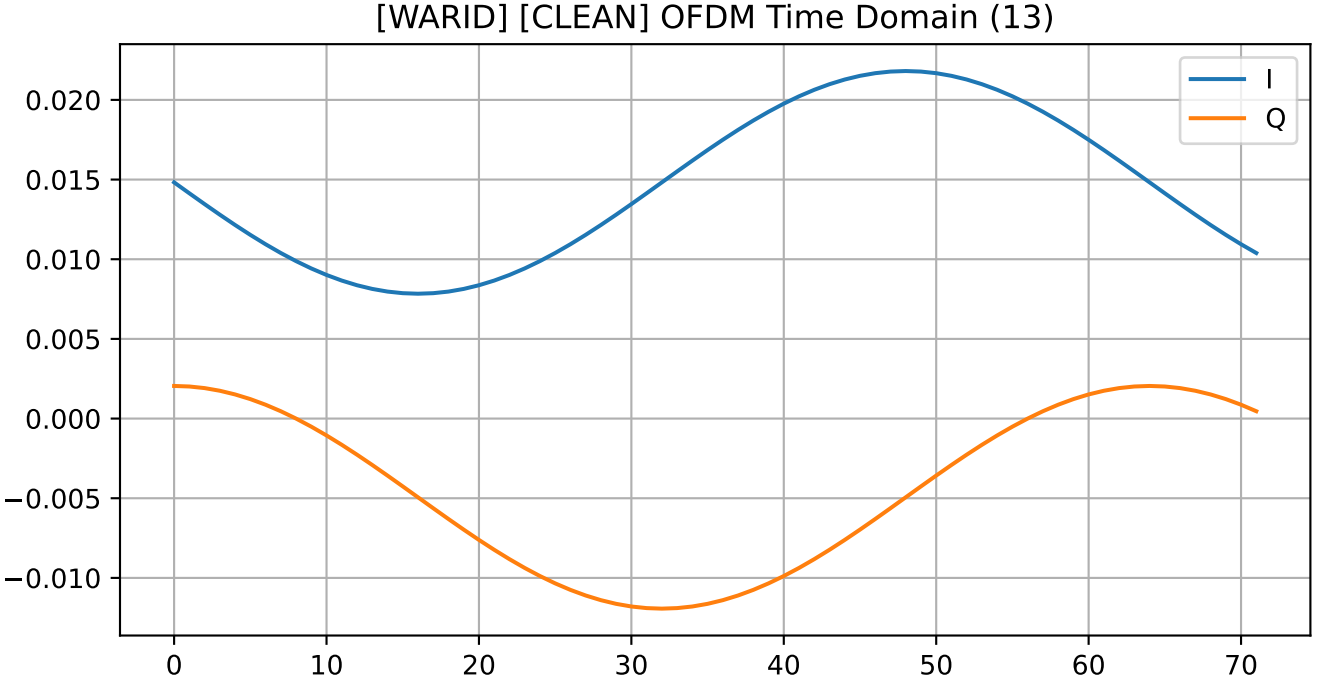
[WARID] [CLEAN] SNR (12)

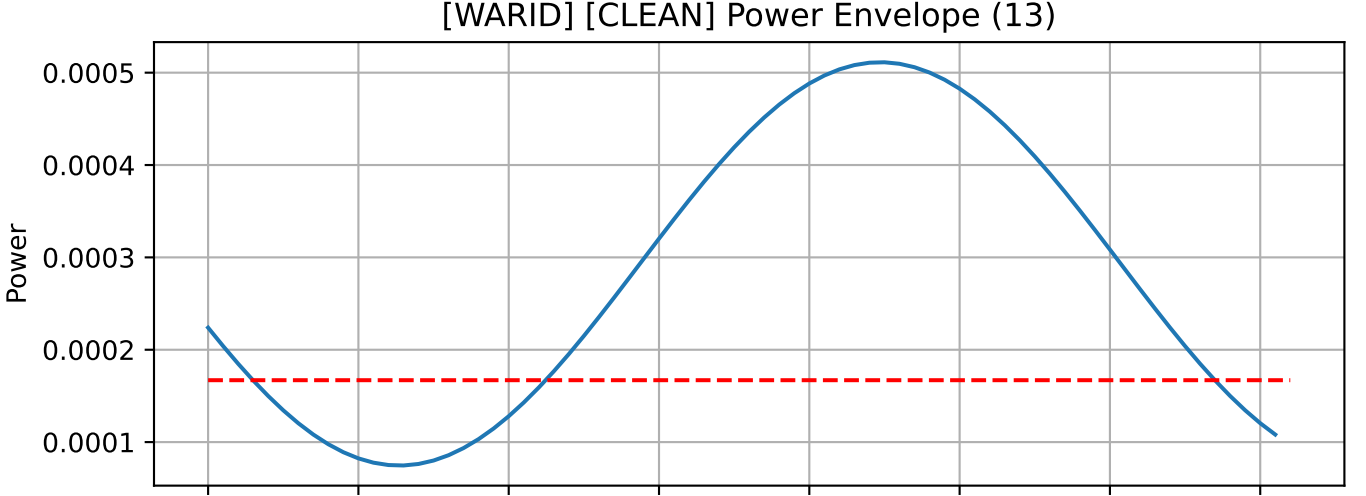


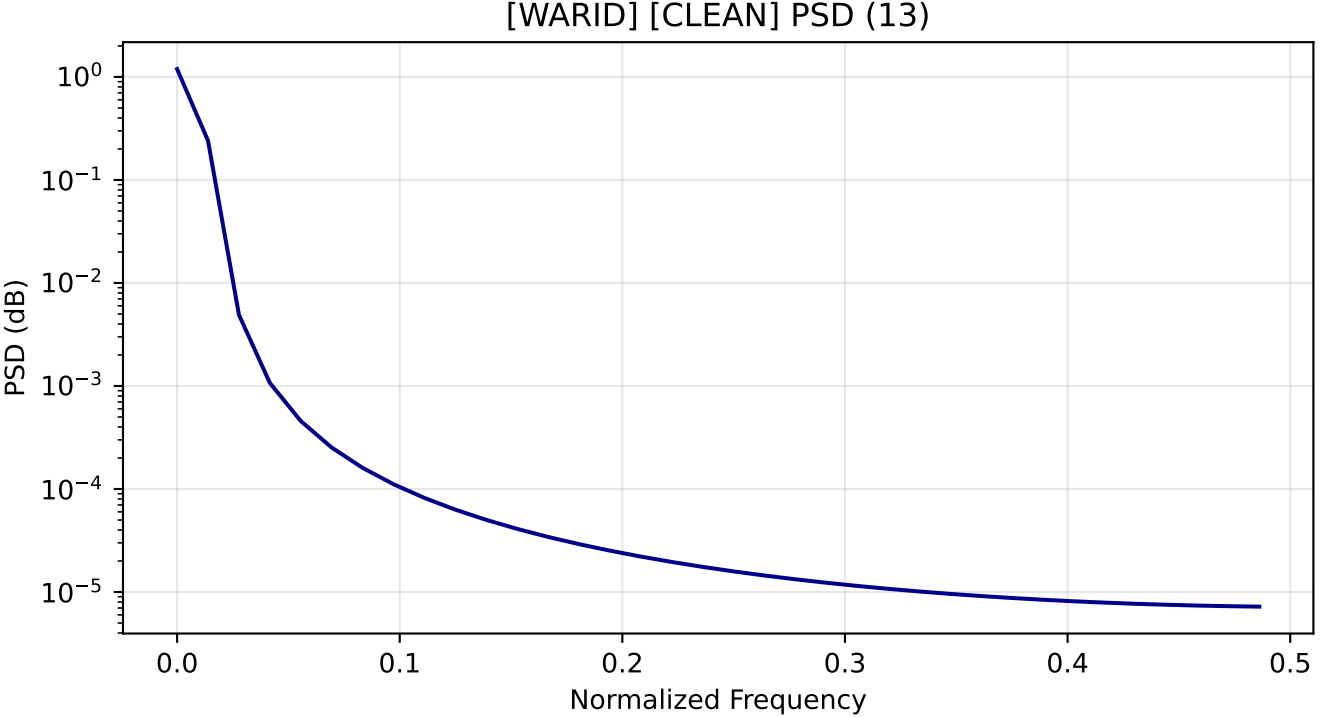

[WARID] Amplitude Dist (12)
Frequency
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
0.5
0.6
0.7
0.8
0.9
1.0
Amplitude


[WARID] Phase Dist (12)
Frequency
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
0.0
0.5
1.0
1.5
2.0
Phase (rad)

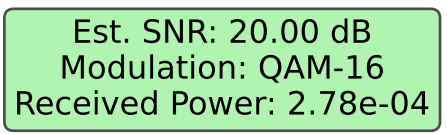

[WARID] [CLEAN] Constellation (13)
Msg: "y..."
Mod: QAM-16
NC: 64, CP: 8
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
−0.2
0.0
0.2
0.4
0.6
0.8
1.0

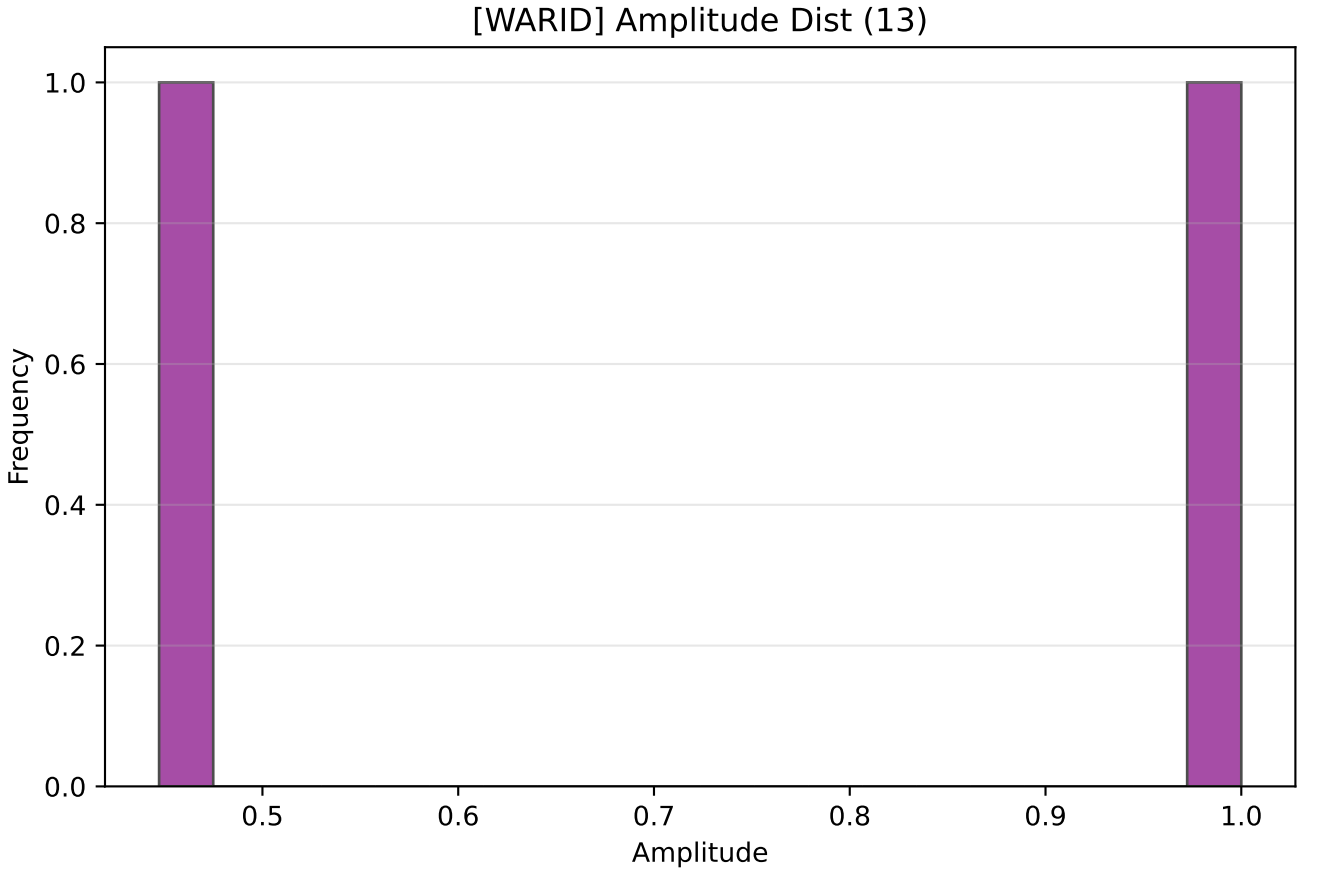

[WARID] [CLEAN] OFDM Time Domain (13)
I
Q
0.020
0.015
0.010
0.005
0.000
−0.005
−0.010
0
10
20
30
40
50
60
70

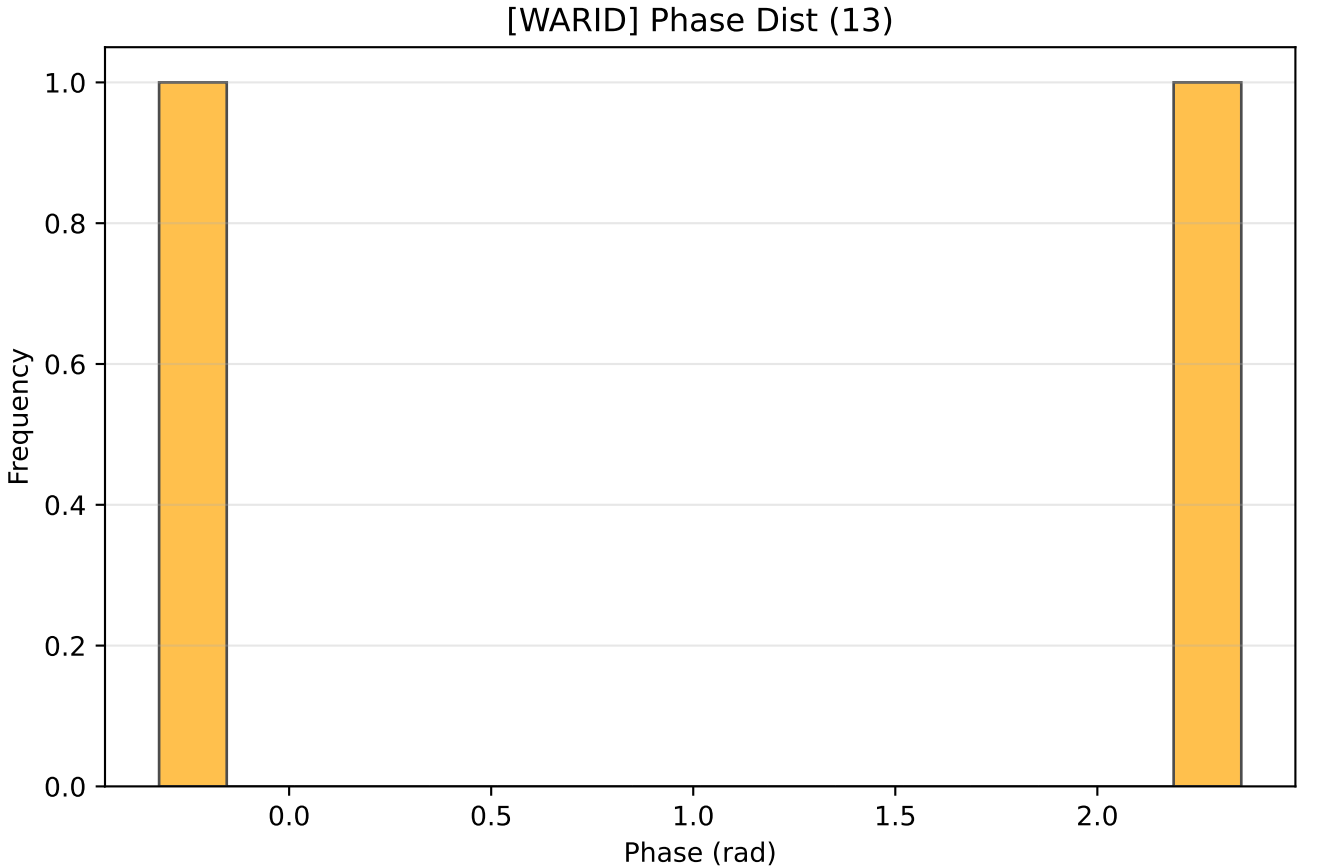

[WARID] [CLEAN] Power Envelope (13)
Power
0.0005
0.0004
0.0003
0.0002
0.0001
0
10
20
30
40
50
60
70

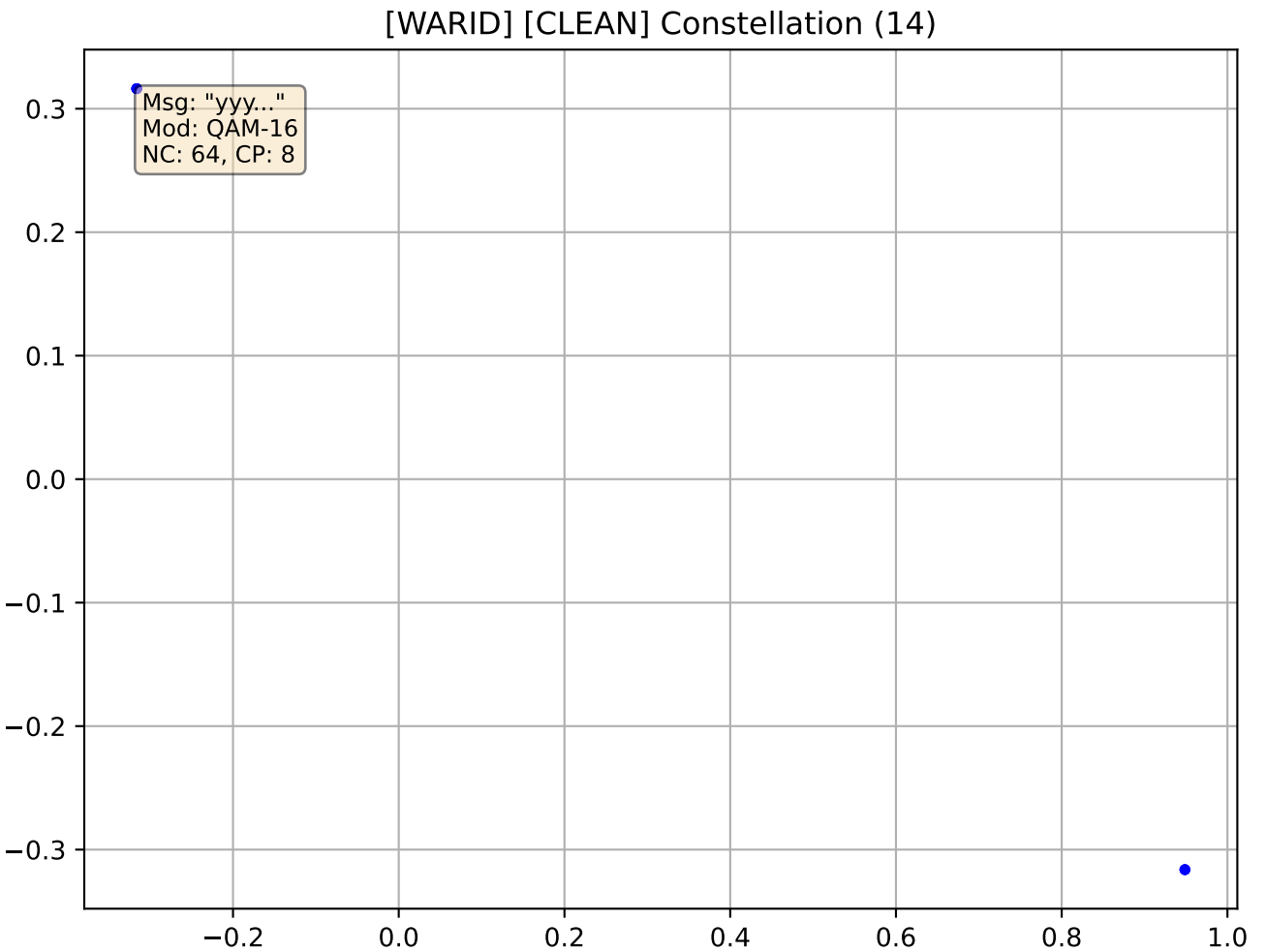

[WARID] [CLEAN] PSD (13)
PSD (dB)
10^{0}
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0.0
0.1
0.2
0.3
0.4
0.5
Normalized Frequency

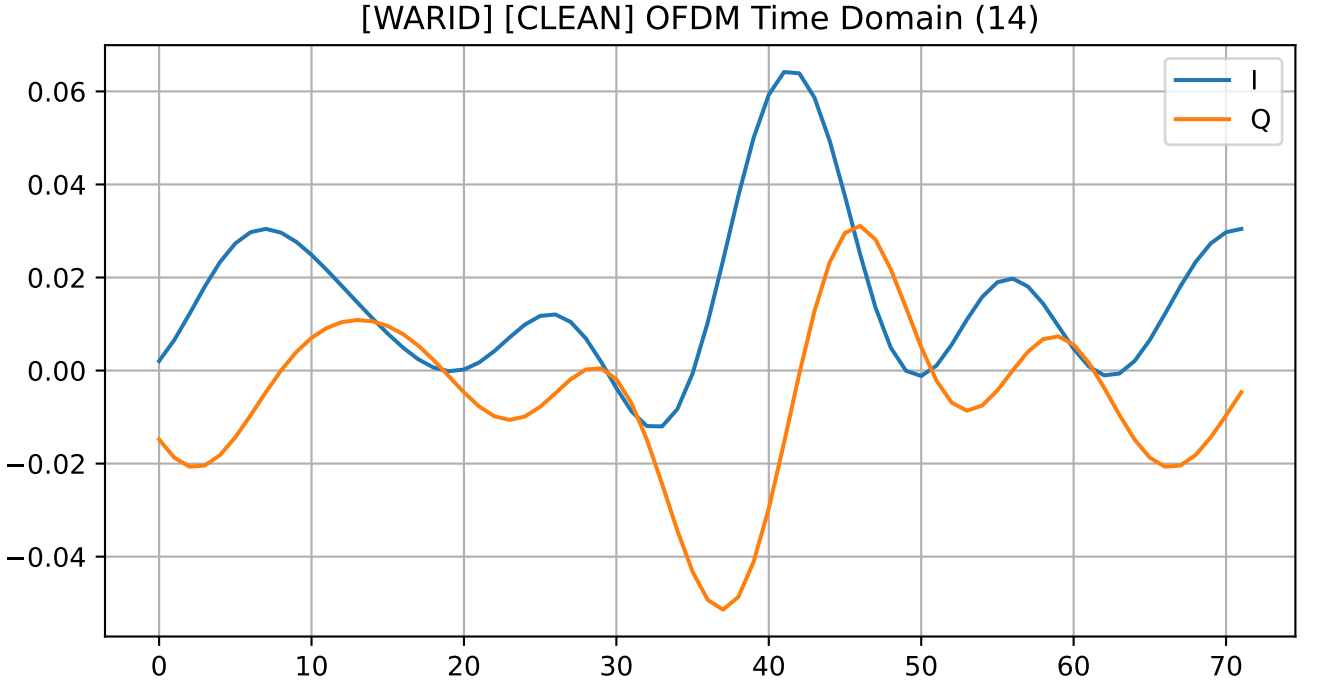
[WARID] [CLEAN] SNR (13)

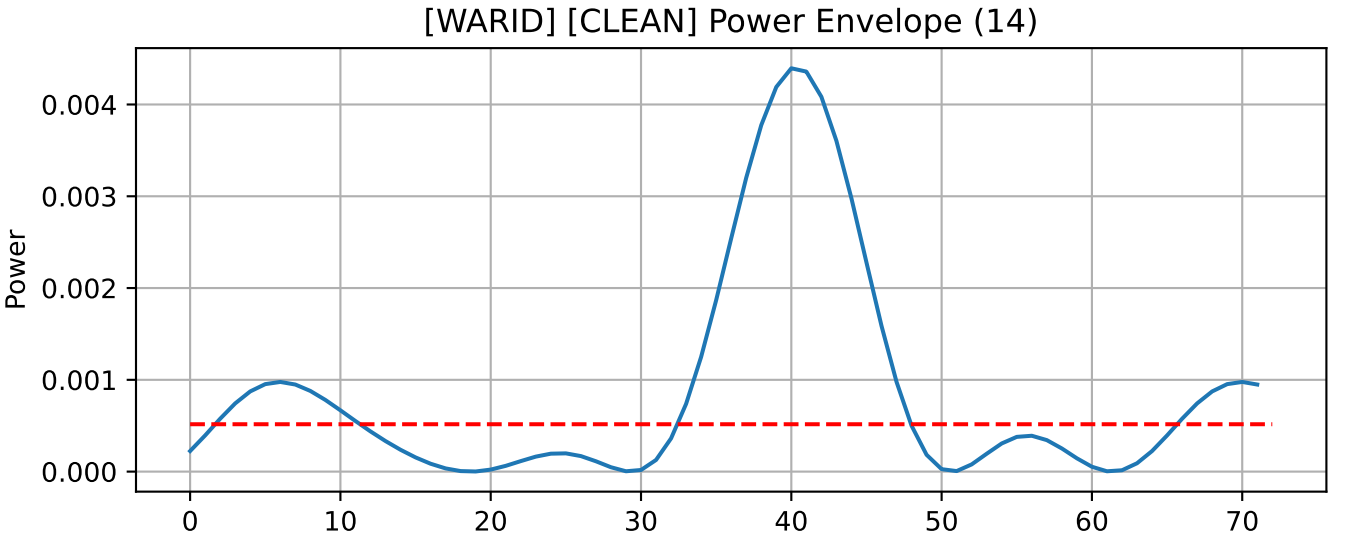


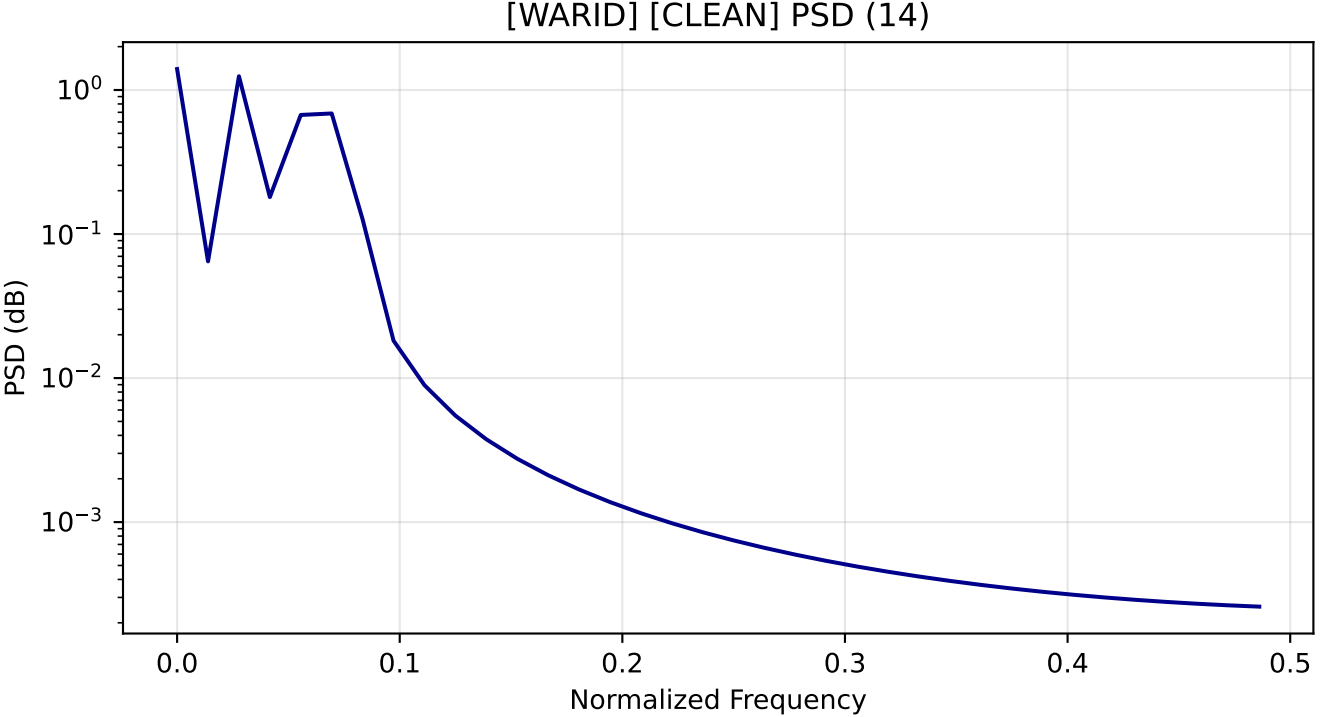

[WARID] Amplitude Dist (13)
Frequency
Amplitude
0.0
0.2
0.4
0.6
0.8
1.0
0.5
0.6
0.7
0.8
0.9
1.0


[WARID] Phase Dist (13)
Frequency
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.5
1.0
1.5
2.0
Phase (rad)

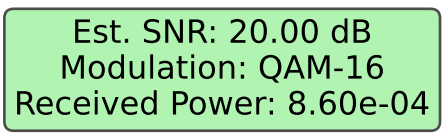

[WARID] [CLEAN] Constellation (14)
Msg: "yyy..."
Mod: QAM-16
NC: 64, CP: 8
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
−0.2
0.0
0.2
0.4
0.6
0.8
1.0

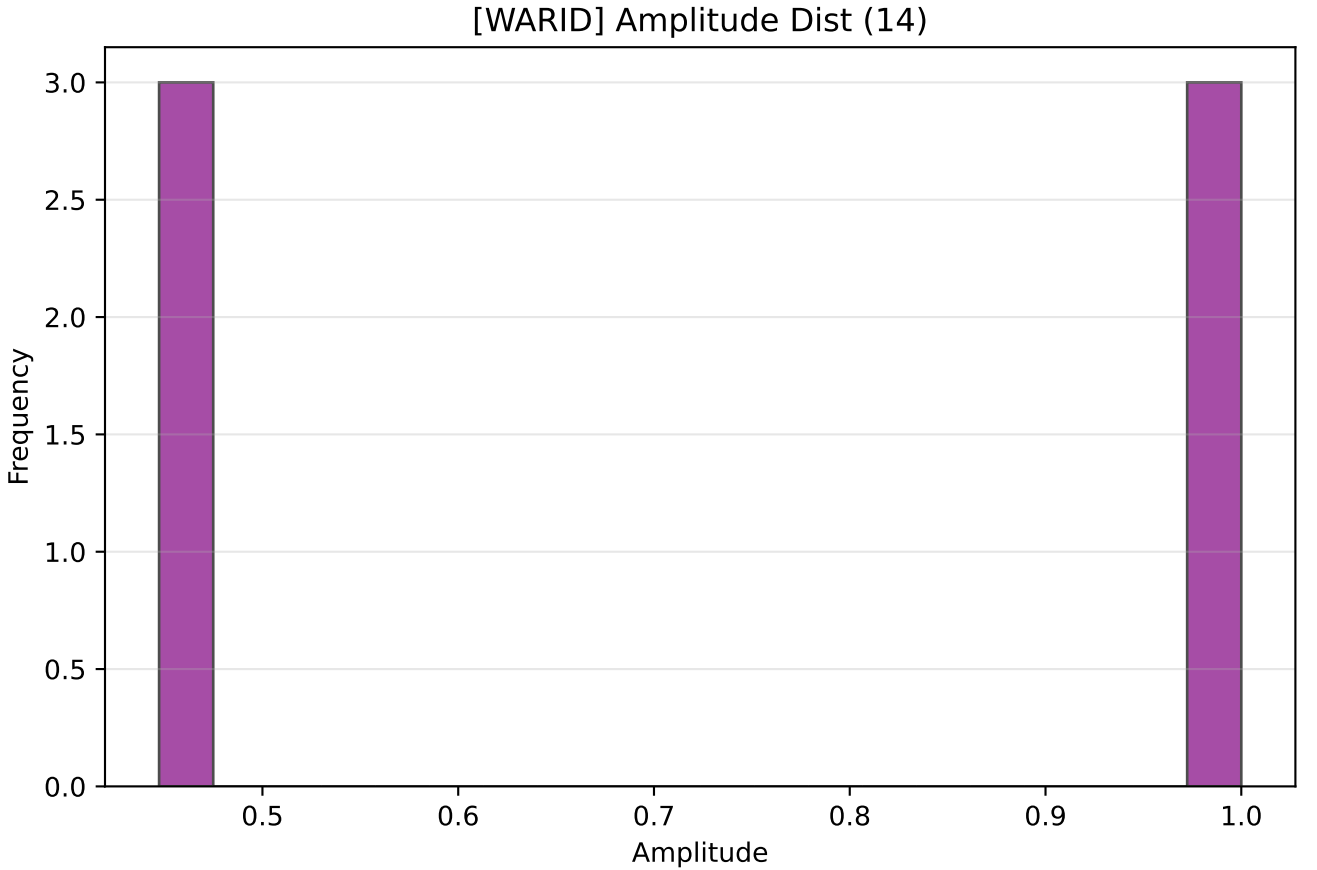

[WARID] [CLEAN] OFDM Time Domain (14)
I
Q
0.06
0.04
0.02
0.00
−0.02
−0.04
0
10
20
30
40
50
60
70

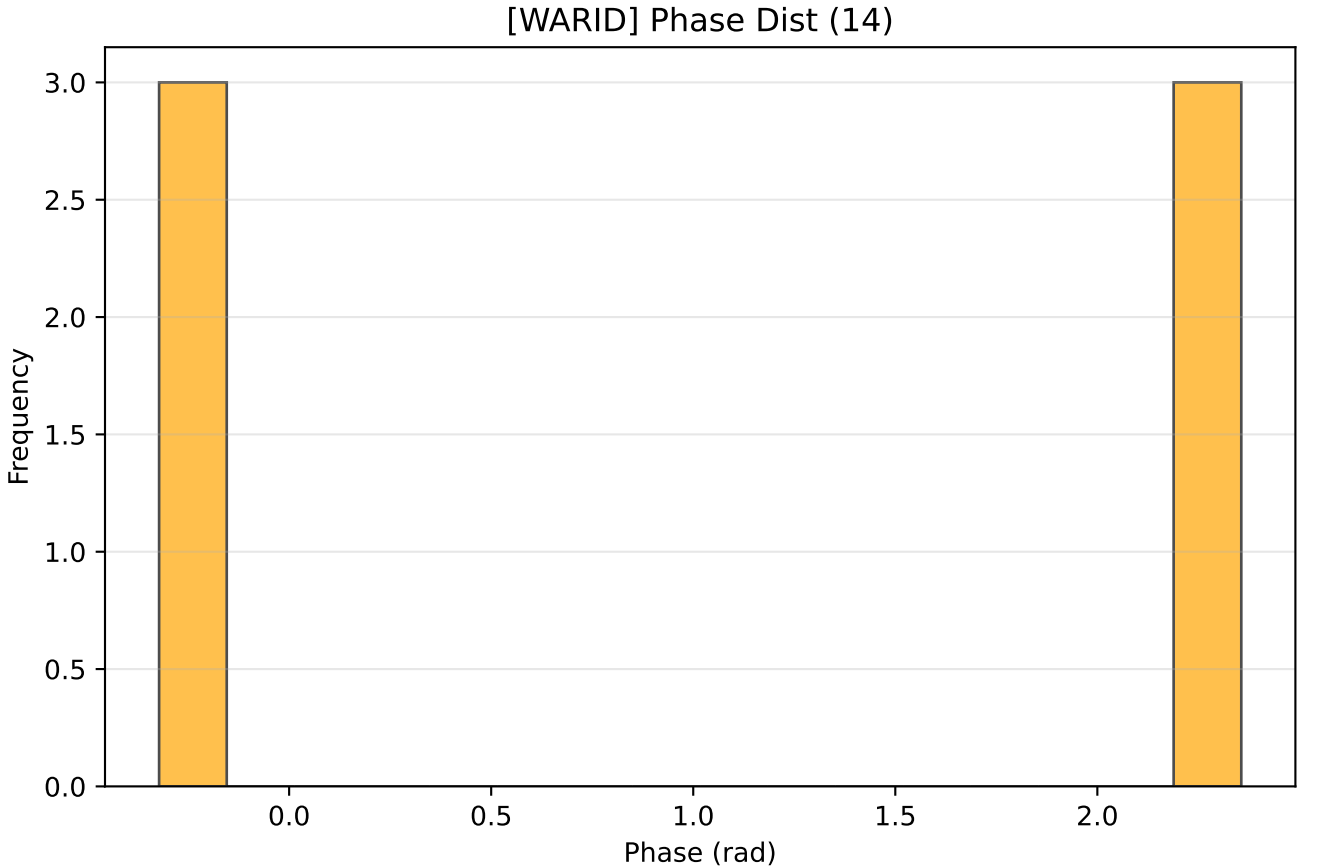

[WARID] [CLEAN] Power Envelope (14)
Power
0.004
0.003
0.002
0.001
0.000
0
10
20
30
40
50
60
70

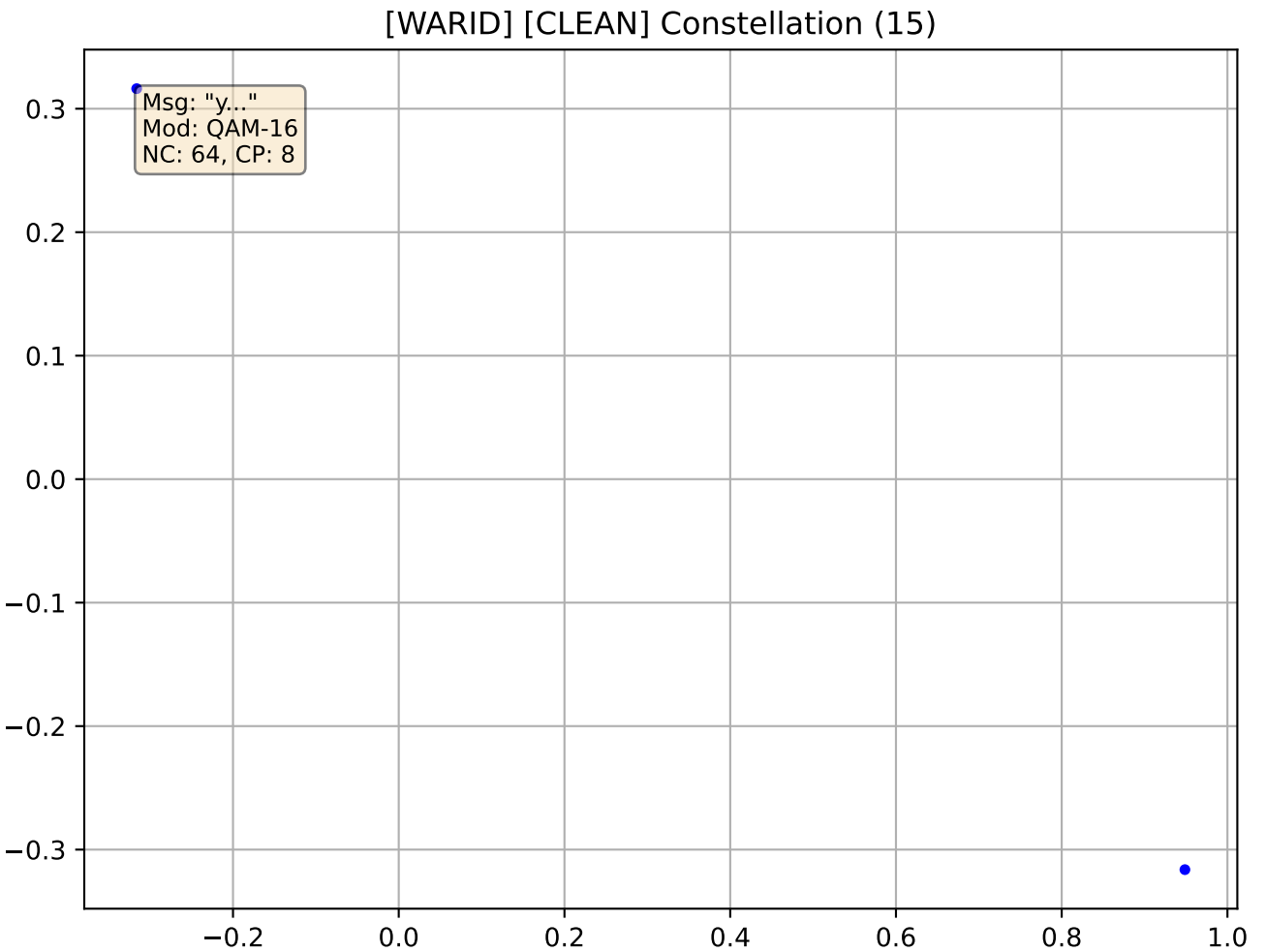

[WARID] [CLEAN] PSD (14)
PSD (dB)
10^{0}
10^{-1}
10^{-2}
10^{-3}
0.0
0.1
0.2
0.3
0.4
0.5
Normalized Frequency

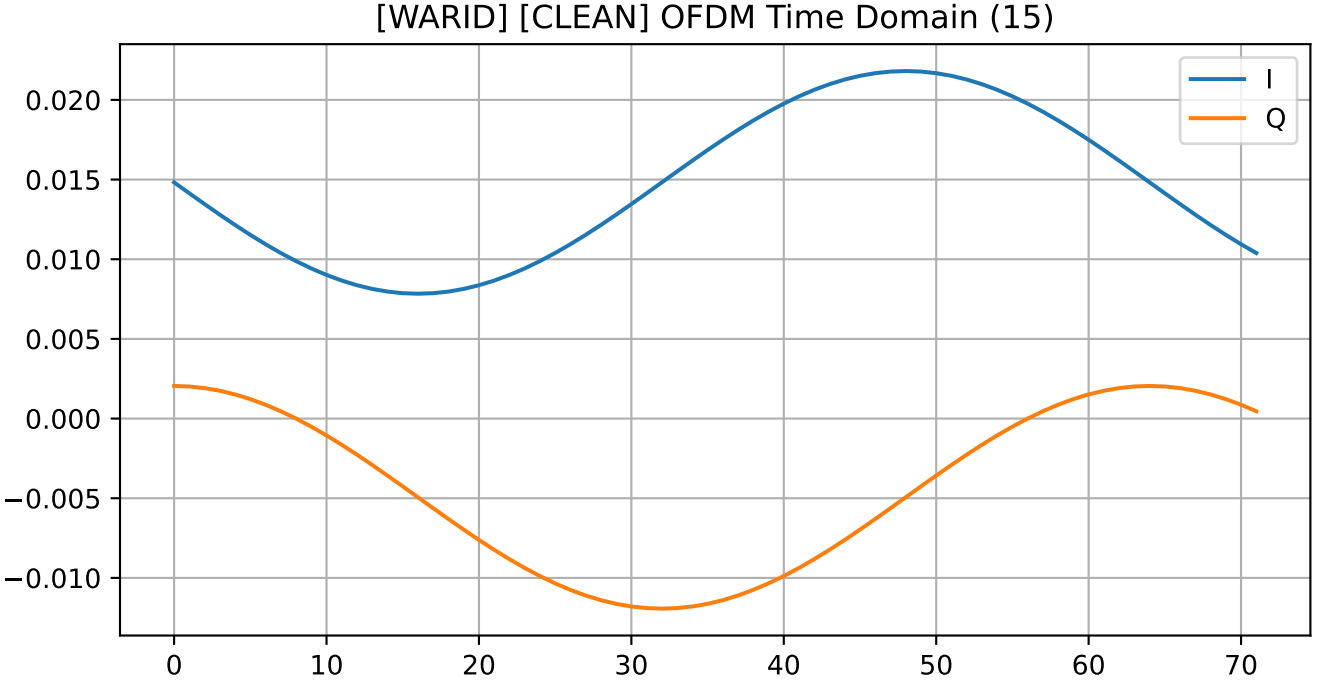
[WARID] [CLEAN] SNR (14)

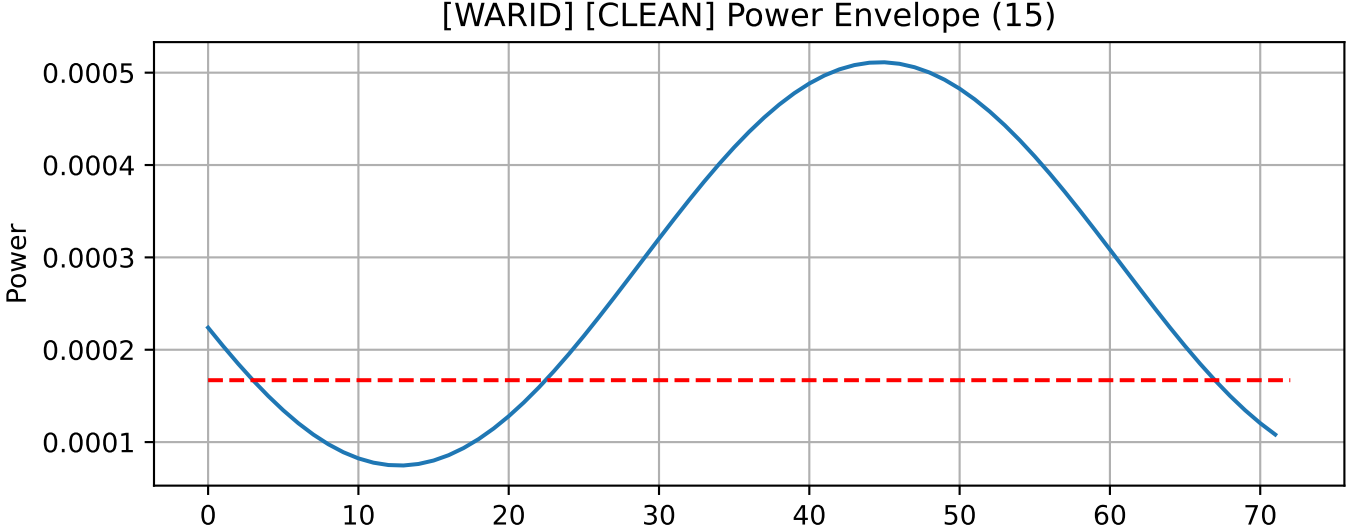


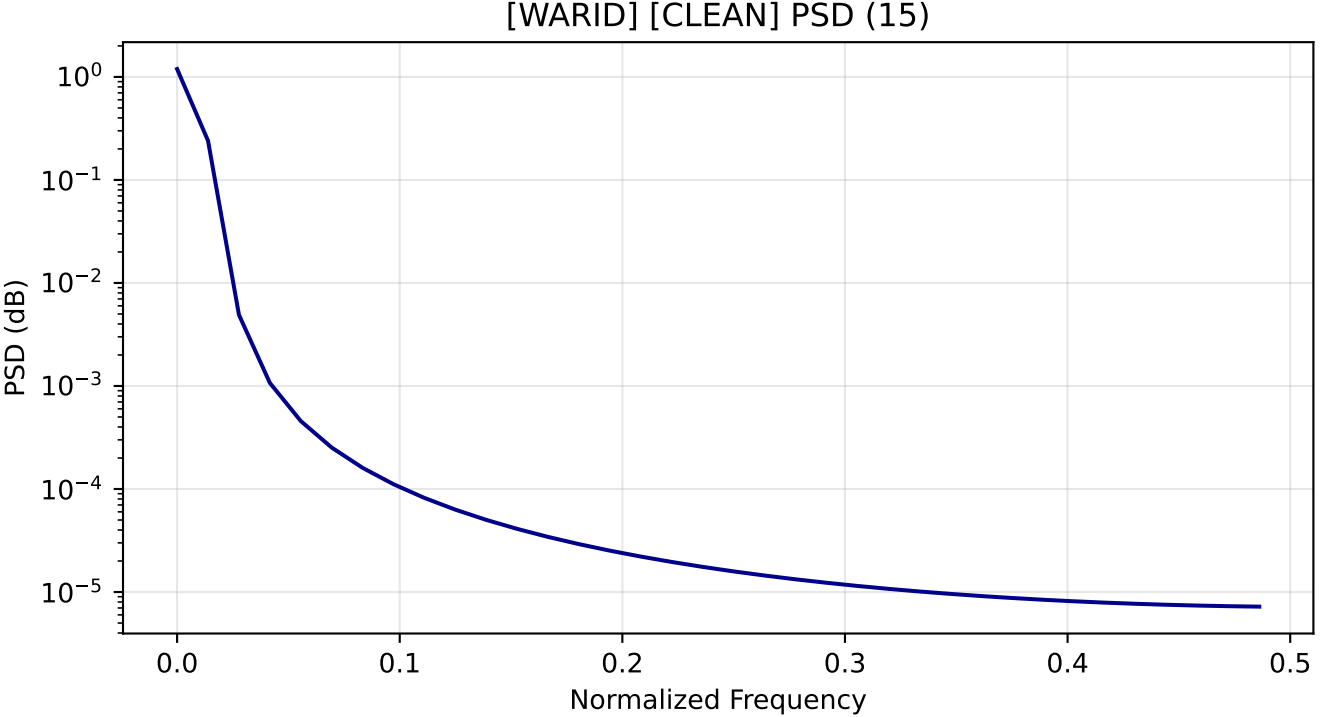

[WARID] Amplitude Dist (14)
Frequency
Amplitude
0.0
0.5
1.0
1.5
2.0
2.5
3.0
0.5
0.6
0.7
0.8
0.9
1.0


[WARID] Phase Dist (14)
Frequency
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0.0
0.5
1.0
1.5
2.0
Phase (rad)

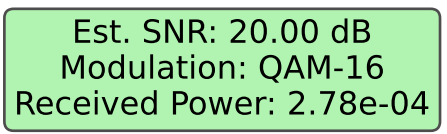

[WARID] [CLEAN] Constellation (15)
Msg: "y..."
Mod: QAM-16
NC: 64, CP: 8
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
−0.2
0.0
0.2
0.4
0.6
0.8
1.0

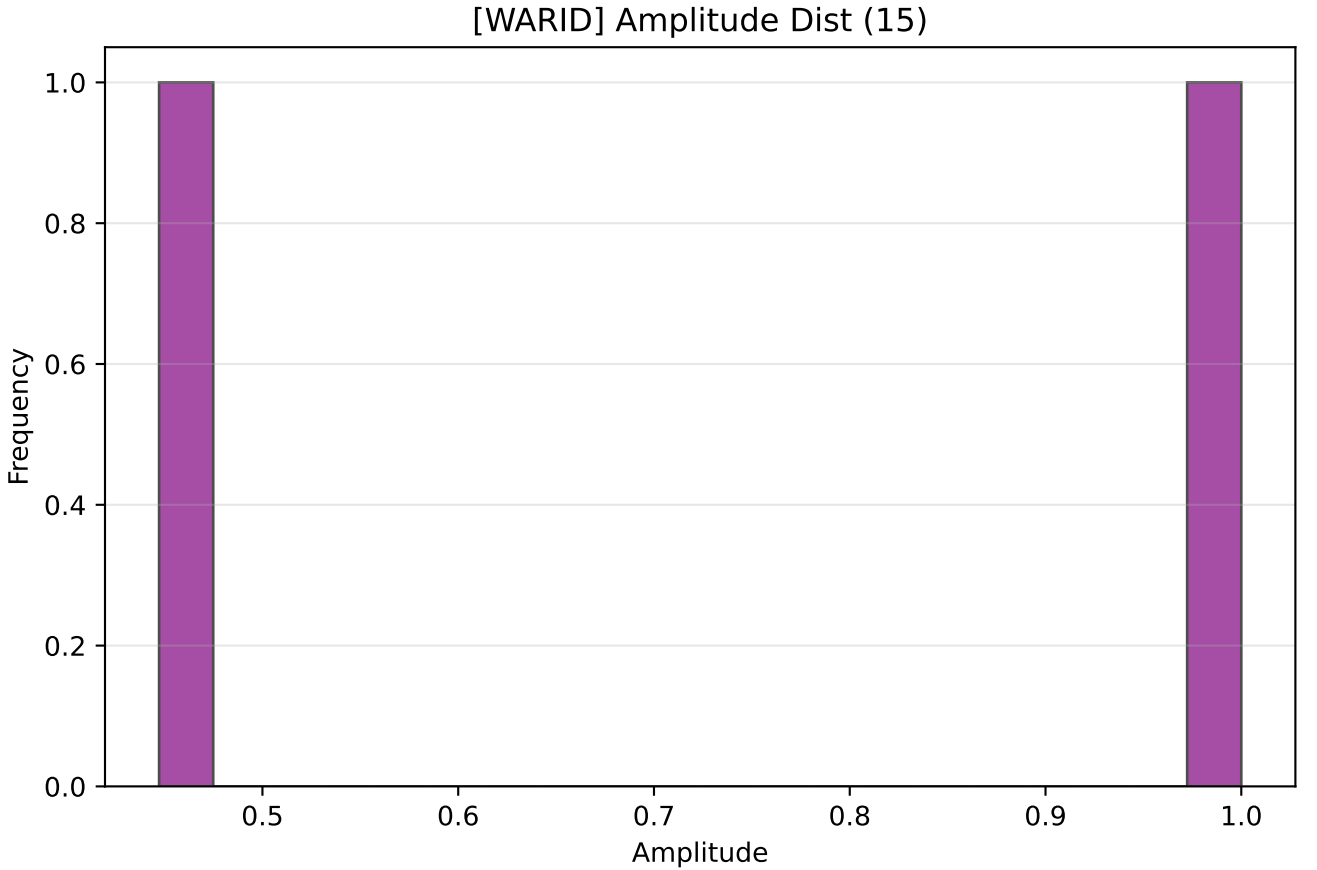

[WARID] [CLEAN] OFDM Time Domain (15)
I
Q
0.020
0.015
0.010
0.005
0.000
−0.005
−0.010
0
10
20
30
40
50
60
70

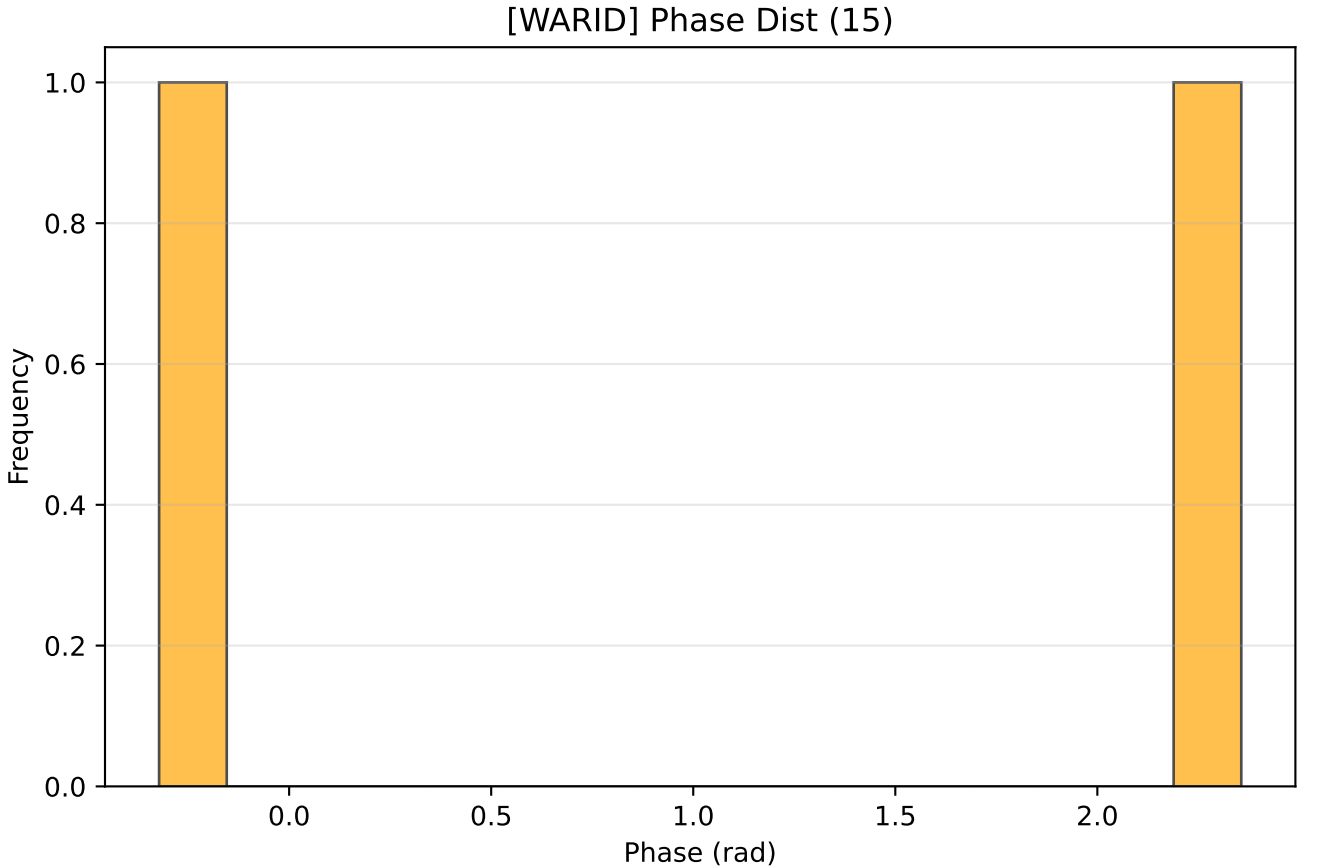

[WARID] [CLEAN] Power Envelope (15)
Power
0.0005
0.0004
0.0003
0.0002
0.0001
0
10
20
30
40
50
60
70

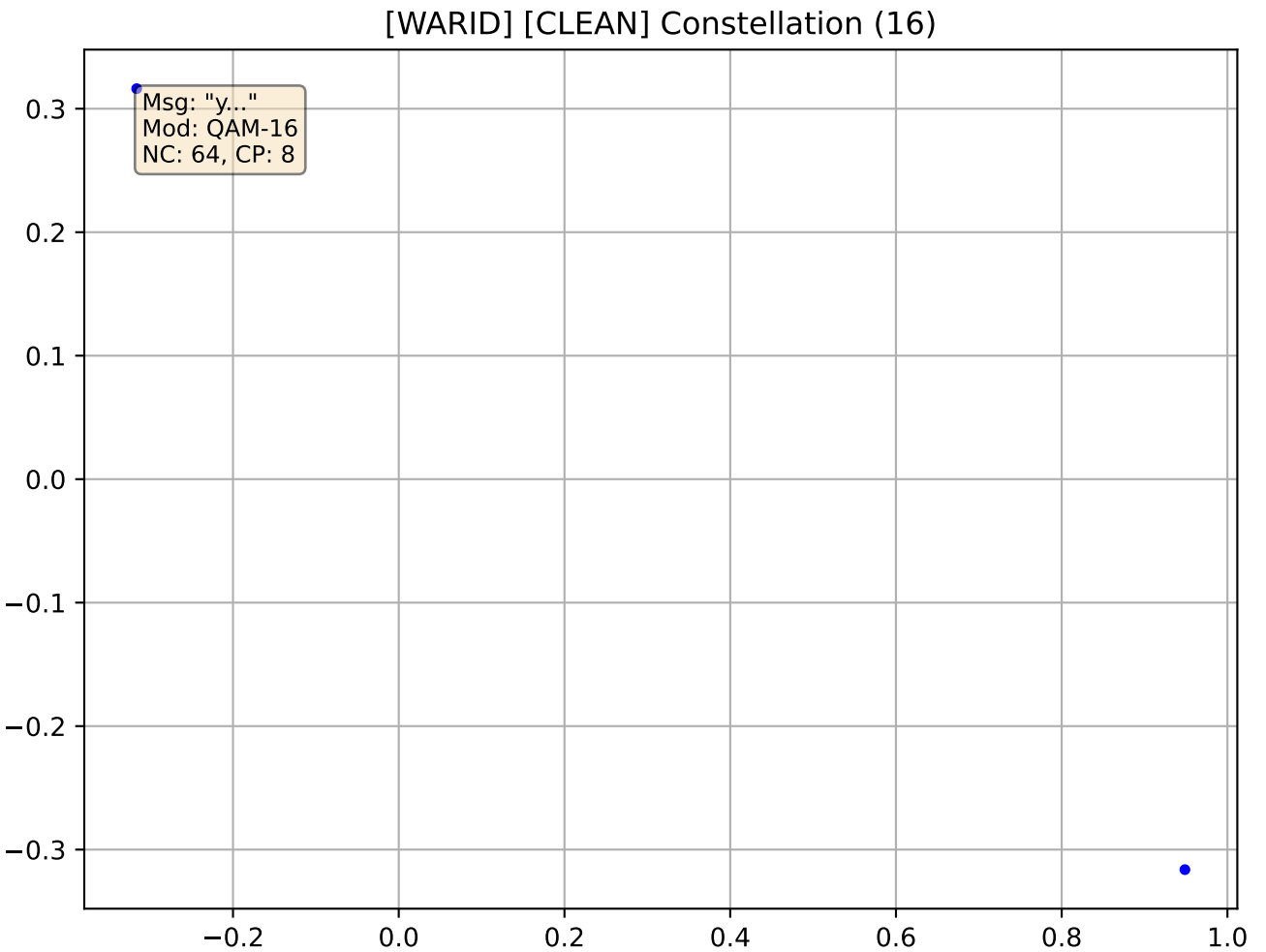

[WARID] [CLEAN] PSD (15)
PSD (dB)
10^{0}
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0.0
0.1
0.2
0.3
0.4
0.5
Normalized Frequency

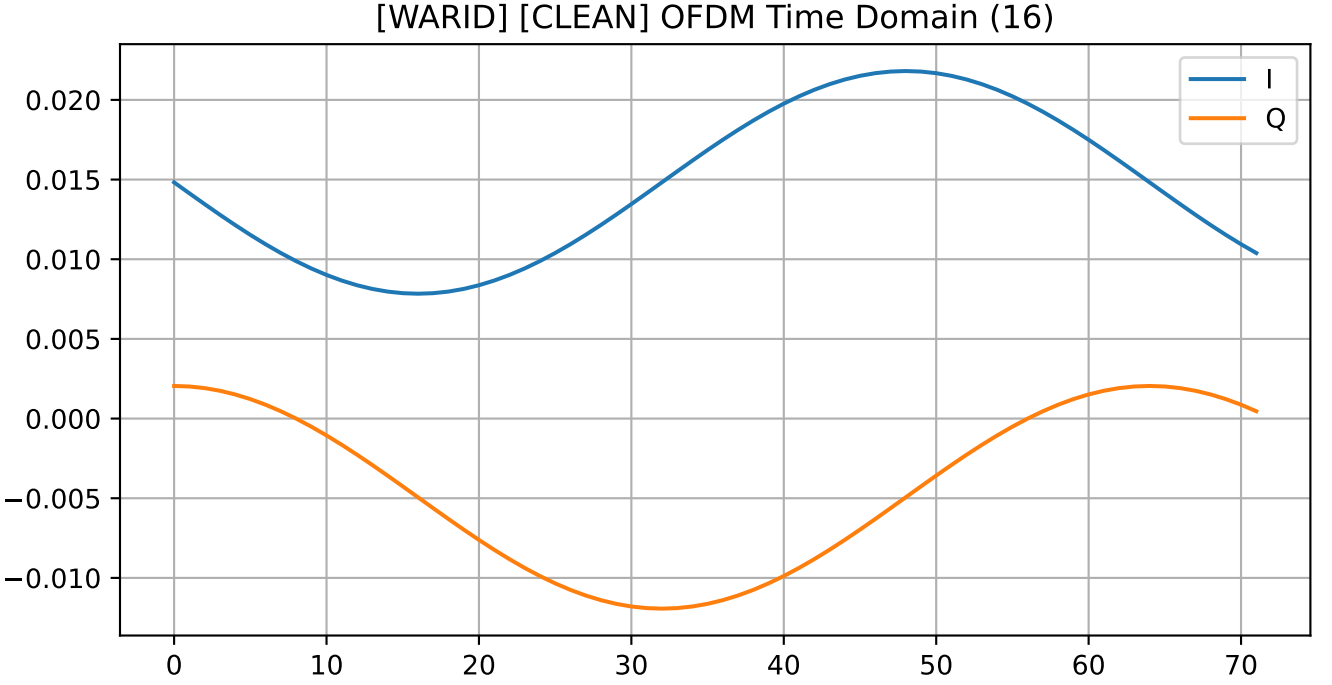
[WARID] [CLEAN] SNR (15)

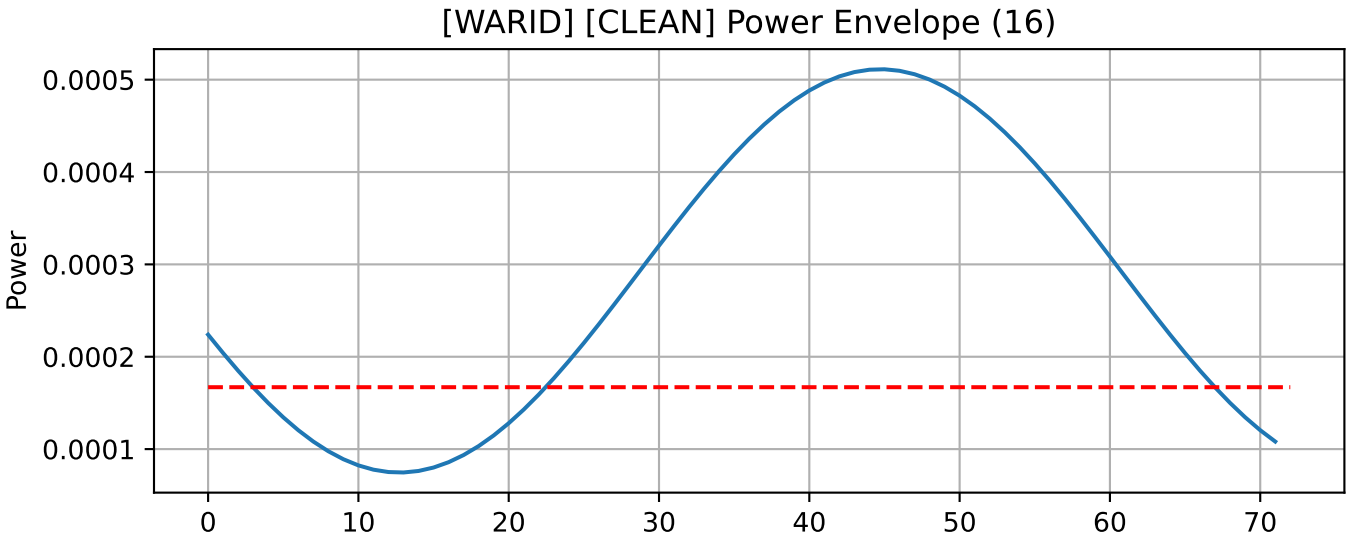


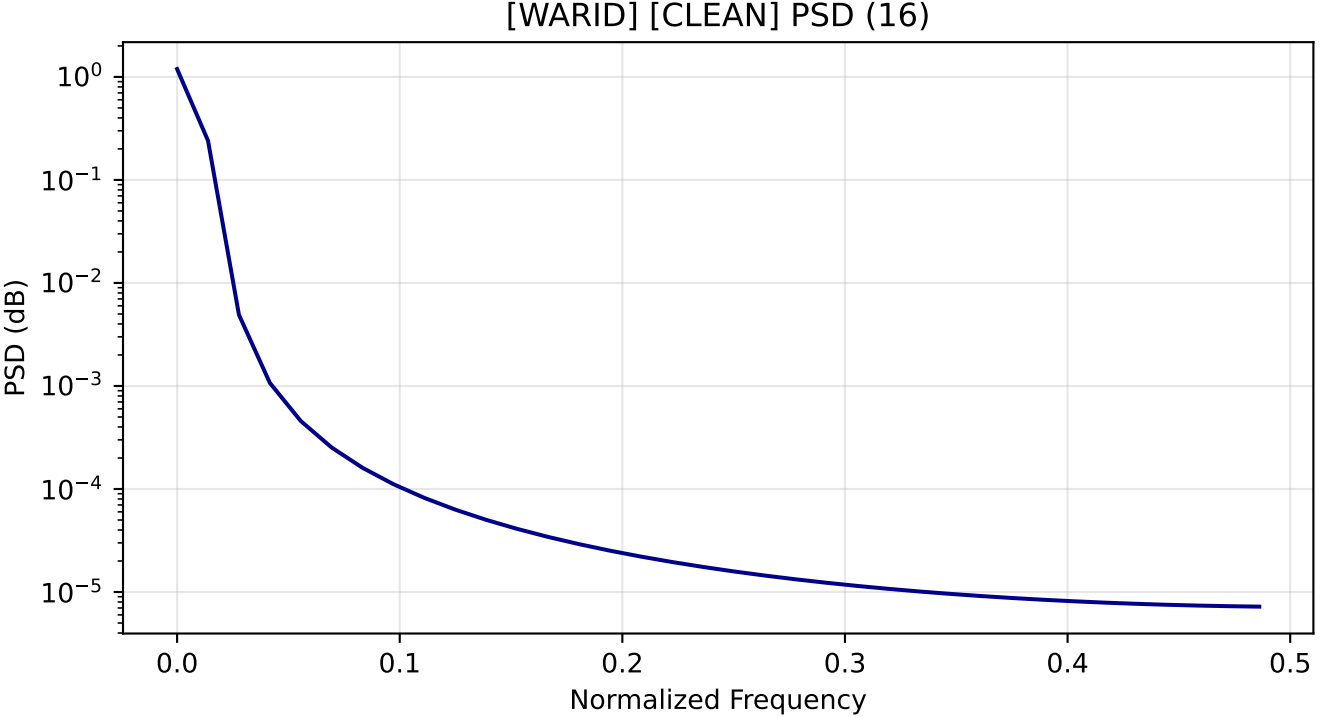

[WARID] Amplitude Dist (15)
Frequency
Amplitude
0.0
0.2
0.4
0.6
0.8
1.0
0.5
0.6
0.7
0.8
0.9
1.0


[WARID] Phase Dist (15)
Frequency
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.5
1.0
1.5
2.0
Phase (rad)

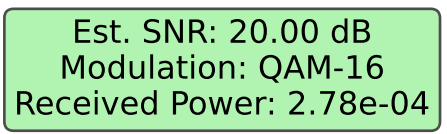

[WARID] [CLEAN] Constellation (16)
Msg: "y..."
Mod: QAM-16
NC: 64, CP: 8
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
−0.2
0.0
0.2
0.4
0.6
0.8
1.0

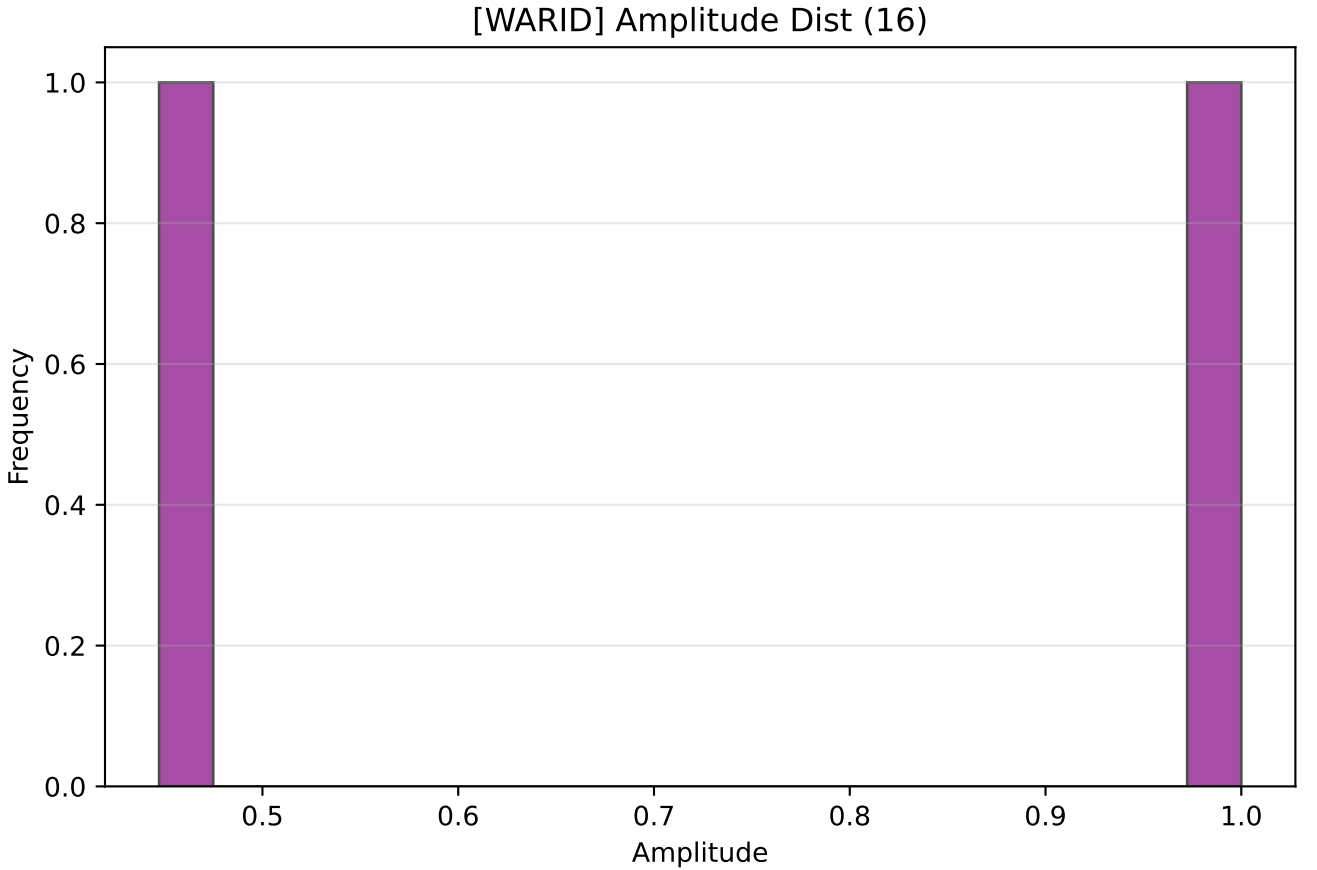

[WARID] [CLEAN] OFDM Time Domain (16)
I
Q
0.020
0.015
0.010
0.005
0.000
−0.005
−0.010
0
10
20
30
40
50
60
70

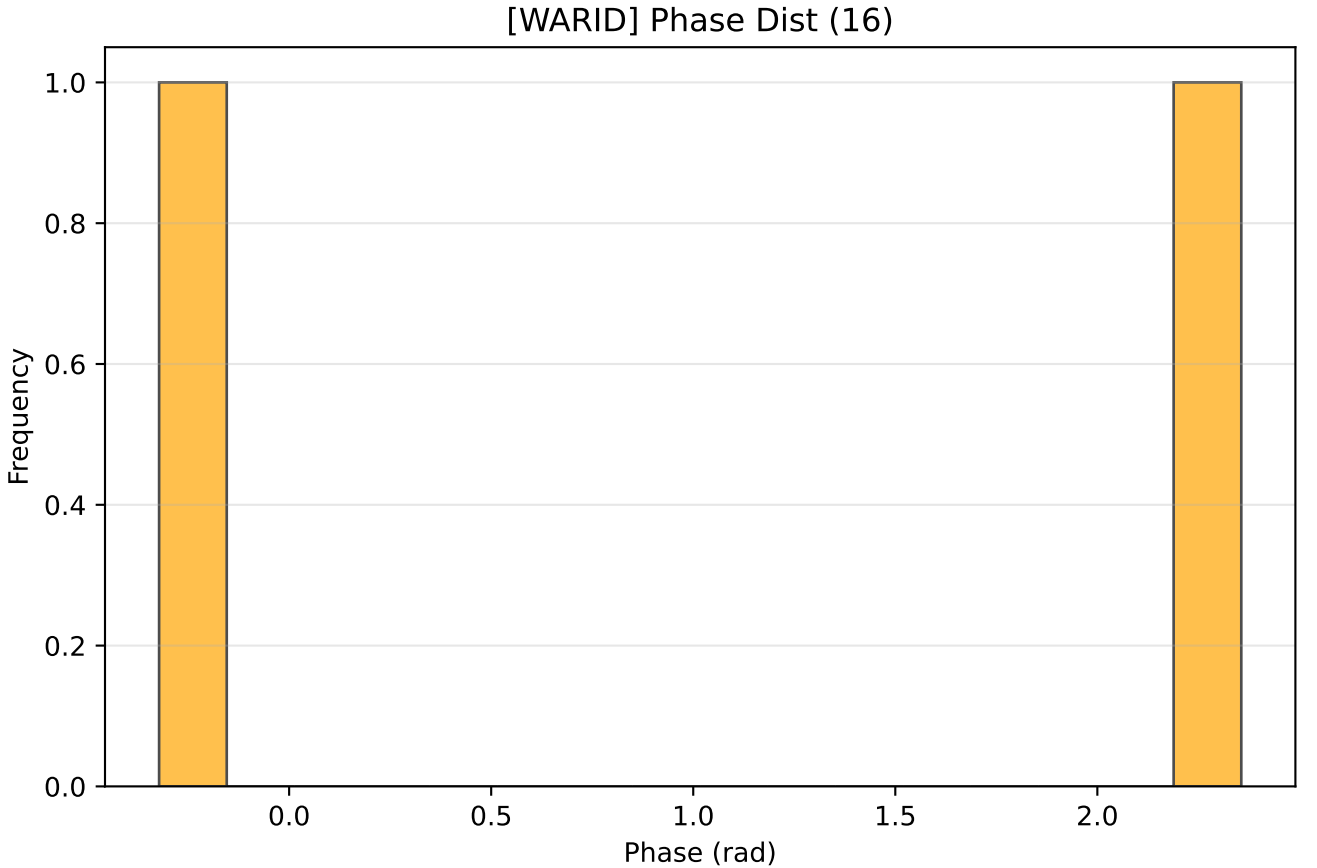

[WARID] [CLEAN] Power Envelope (16)
Power
0.0005
0.0004
0.0003
0.0002
0.0001
0
10
20
30
40
50
60
70

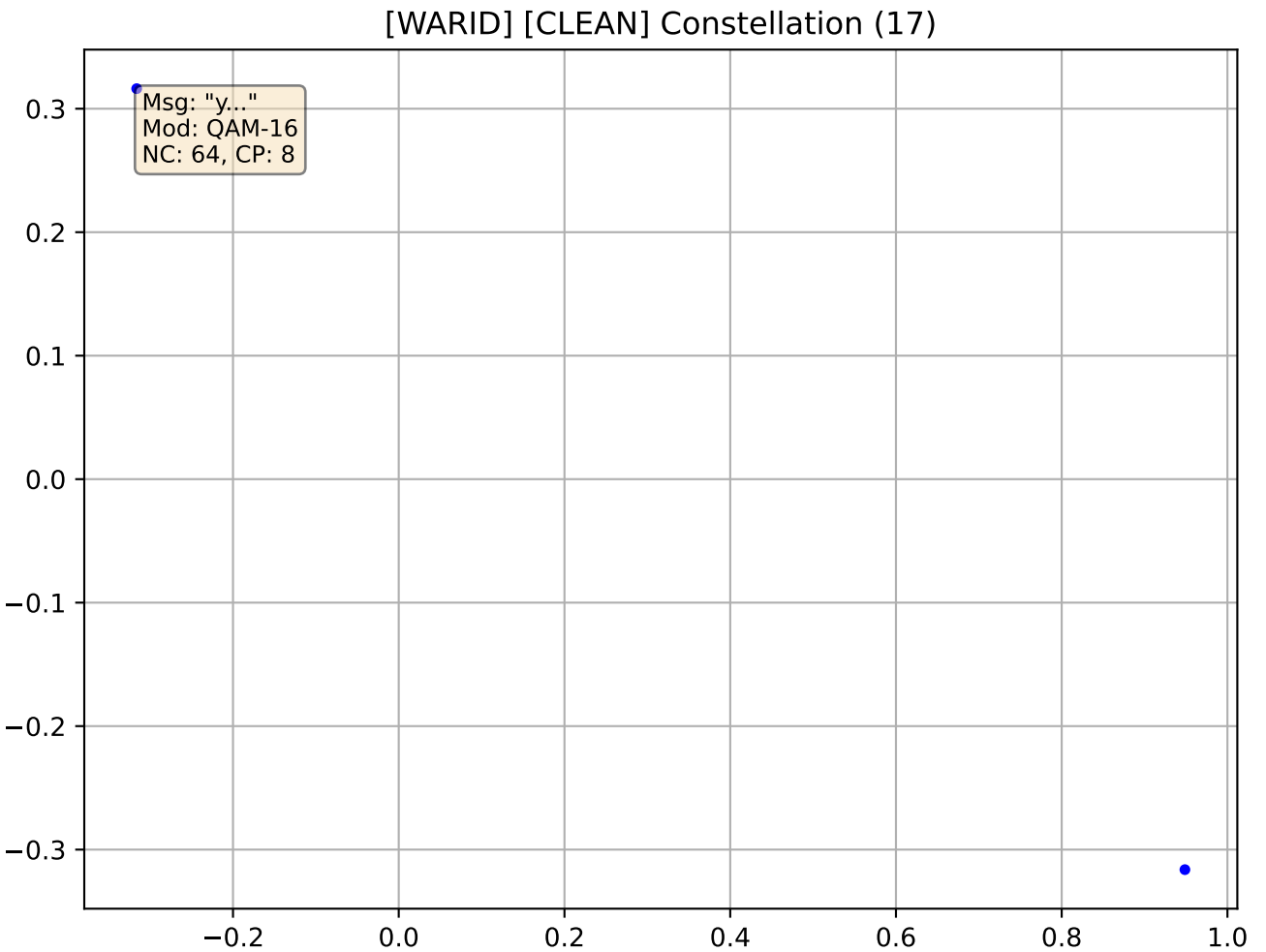

[WARID] [CLEAN] PSD (16)
PSD (dB)
10^{0}
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0.0
0.1
0.2
0.3
0.4
0.5
Normalized Frequency

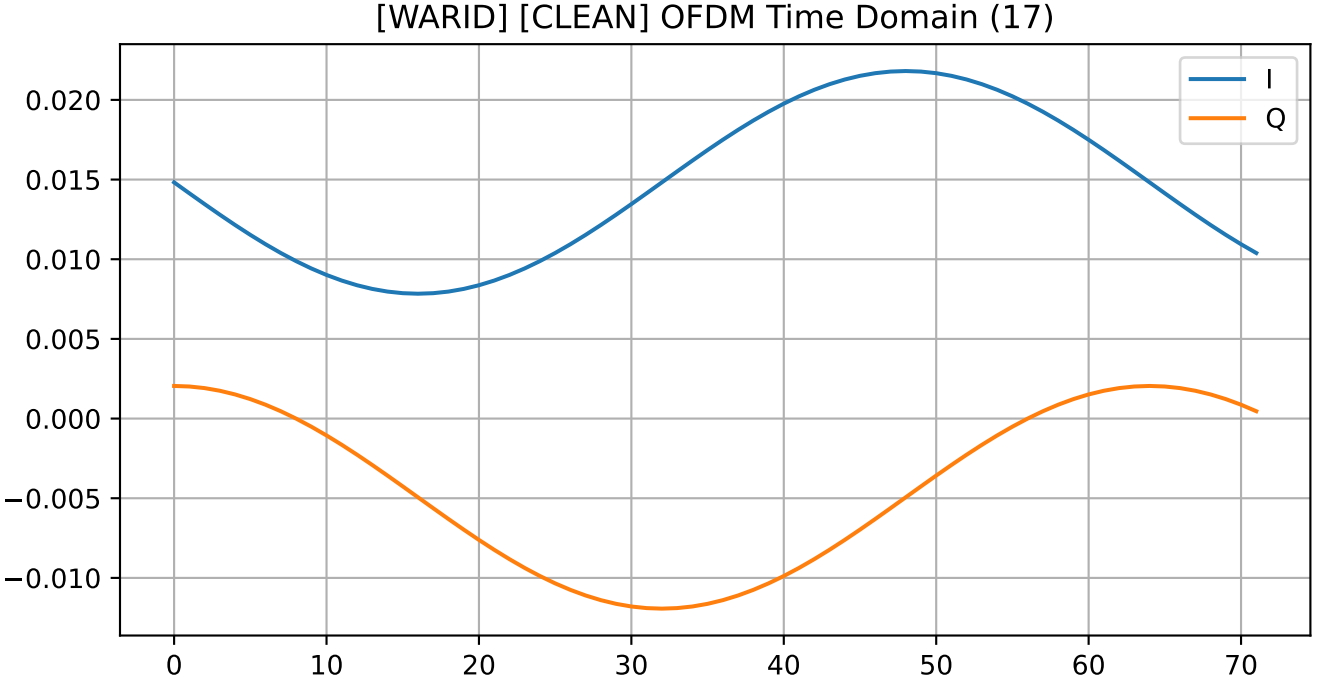
[WARID] [CLEAN] SNR (16)

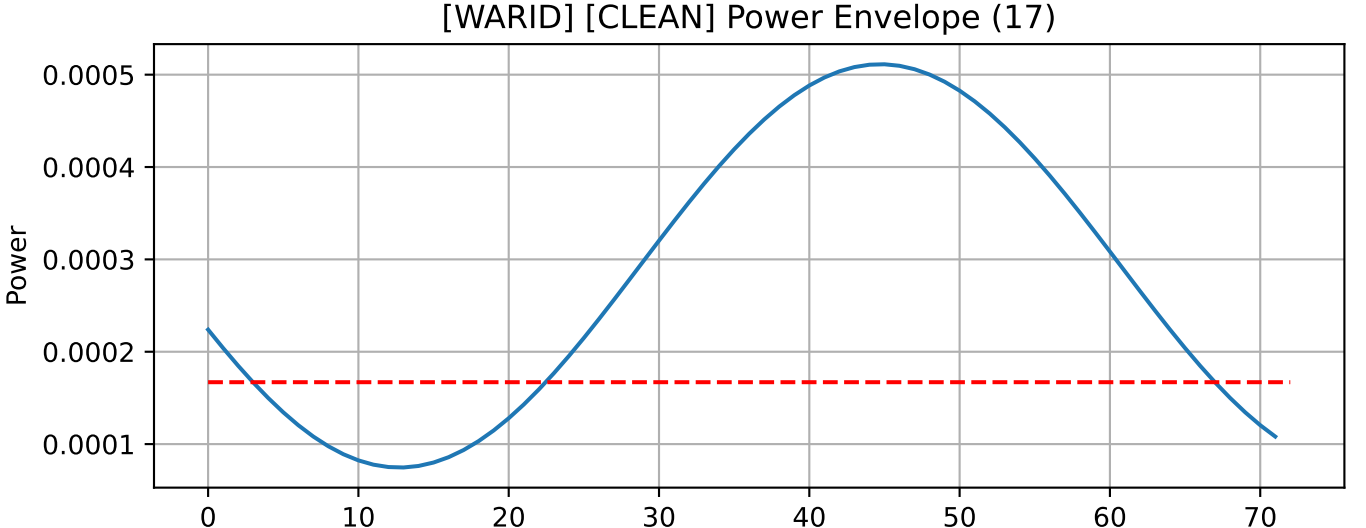


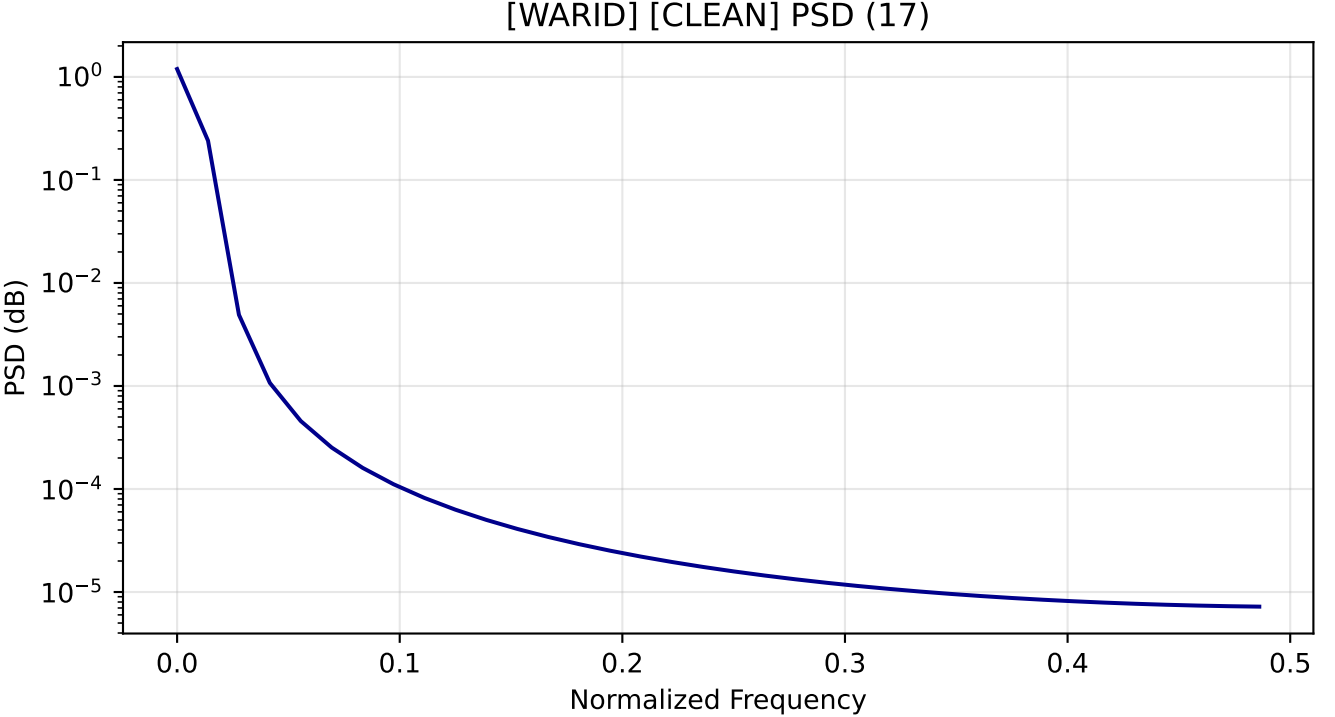

[WARID] Amplitude Dist (16)
Frequency
Amplitude
0.0
0.2
0.4
0.6
0.8
1.0
0.5
0.6
0.7
0.8
0.9
1.0


[WARID] Phase Dist (16)
Frequency
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.5
1.0
1.5
2.0
Phase (rad)

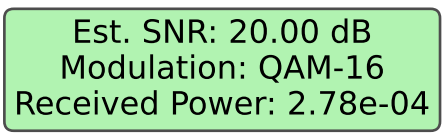

[WARID] [CLEAN] Constellation (17)
Msg: "y..."
Mod: QAM-16
NC: 64, CP: 8
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
−0.2
0.0
0.2
0.4
0.6
0.8
1.0

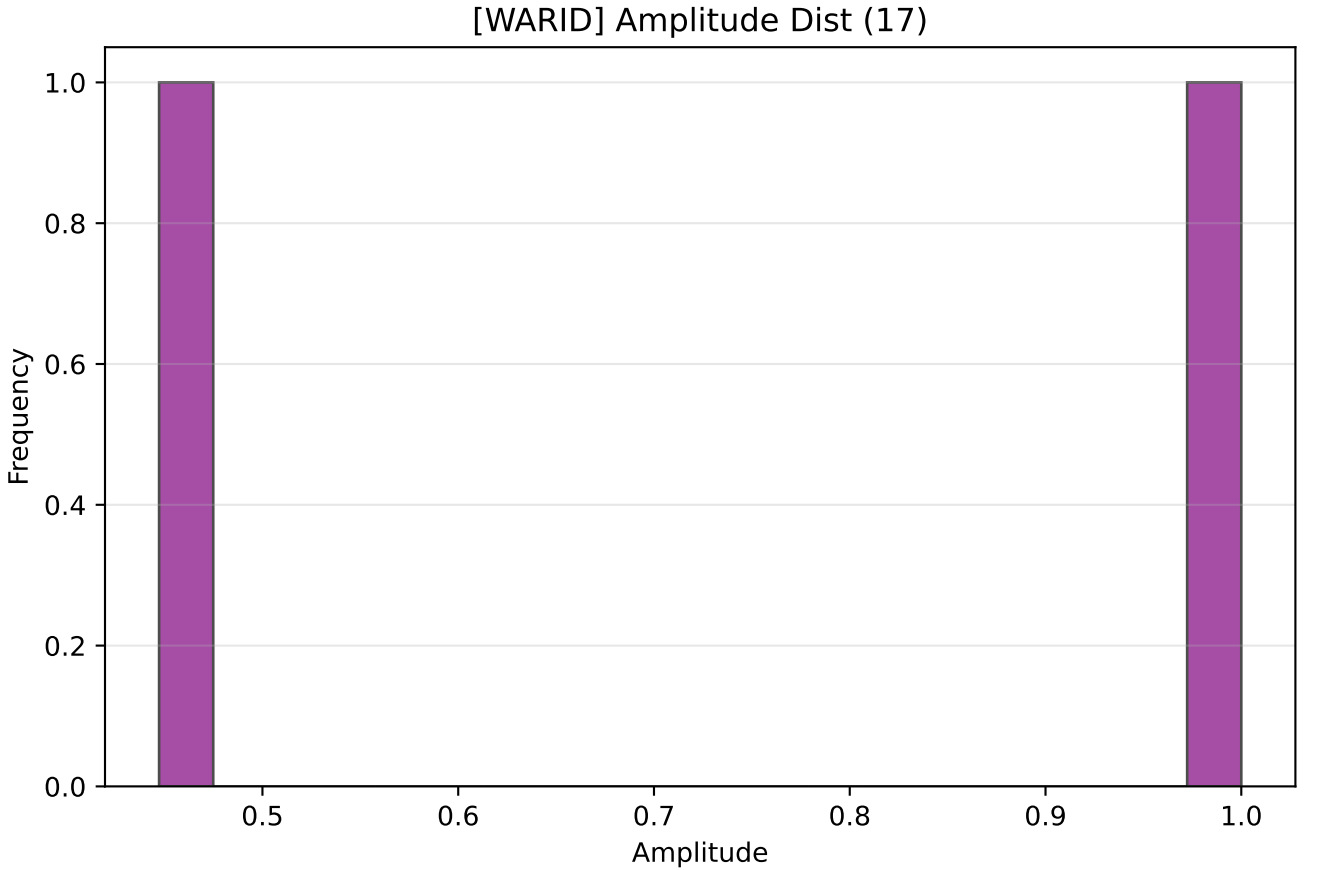

[WARID] [CLEAN] OFDM Time Domain (17)
I
Q
0.020
0.015
0.010
0.005
0.000
−0.005
−0.010
0
10
20
30
40
50
60
70

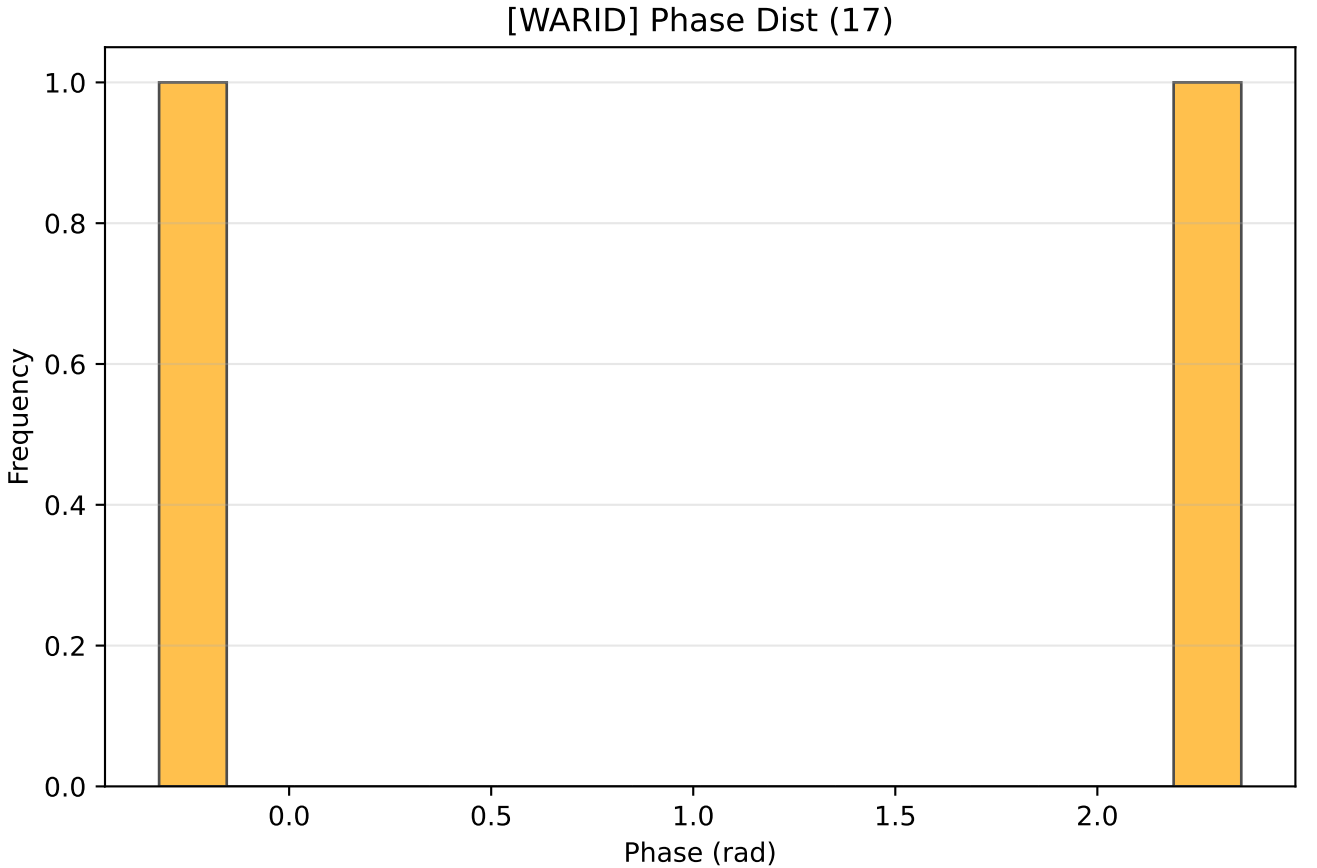

[WARID] [CLEAN] Power Envelope (17)
Power
0.0005
0.0004
0.0003
0.0002
0.0001
0
10
20
30
40
50
60
70

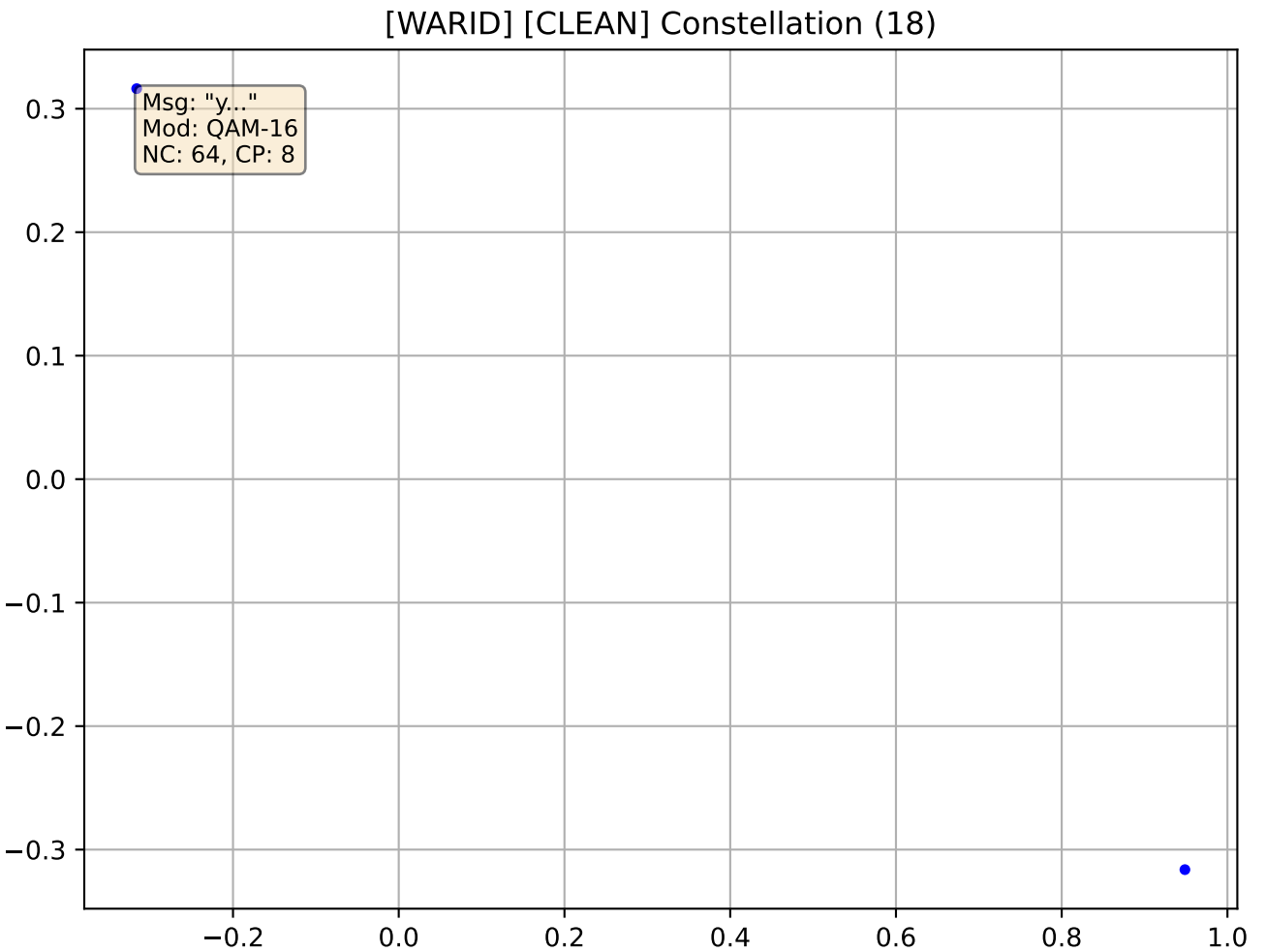

[WARID] [CLEAN] PSD (17)
PSD (dB)
10^{0}
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0.0
0.1
0.2
0.3
0.4
0.5
Normalized Frequency

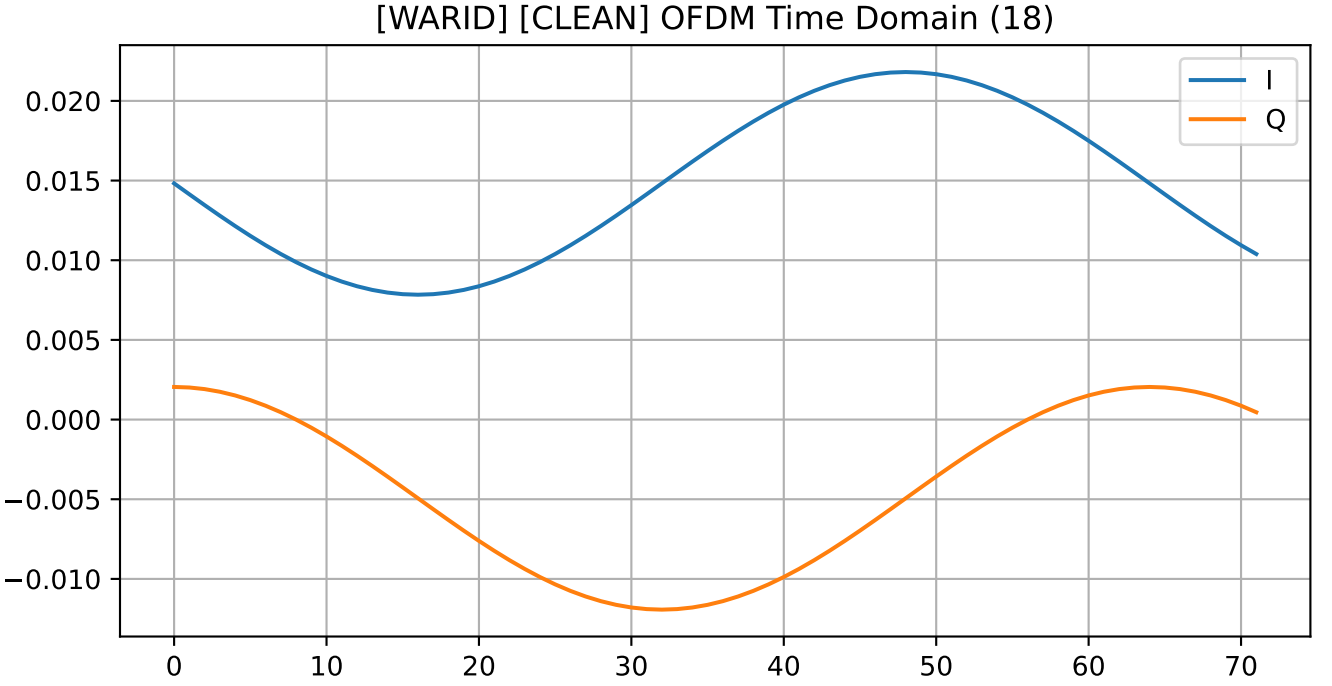
[WARID] [CLEAN] SNR (17)

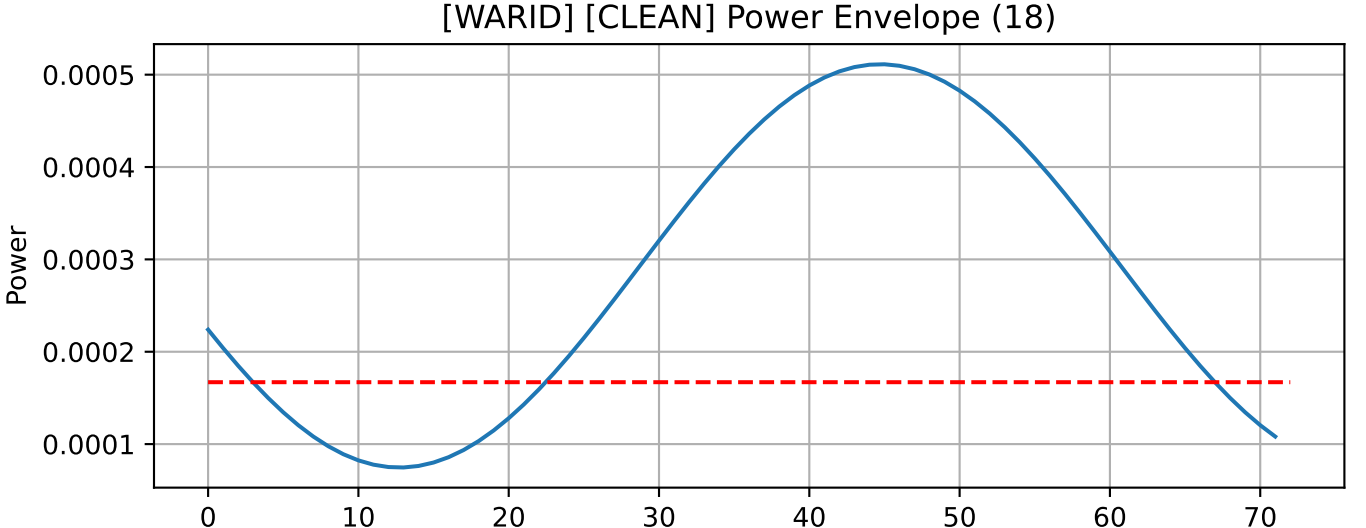


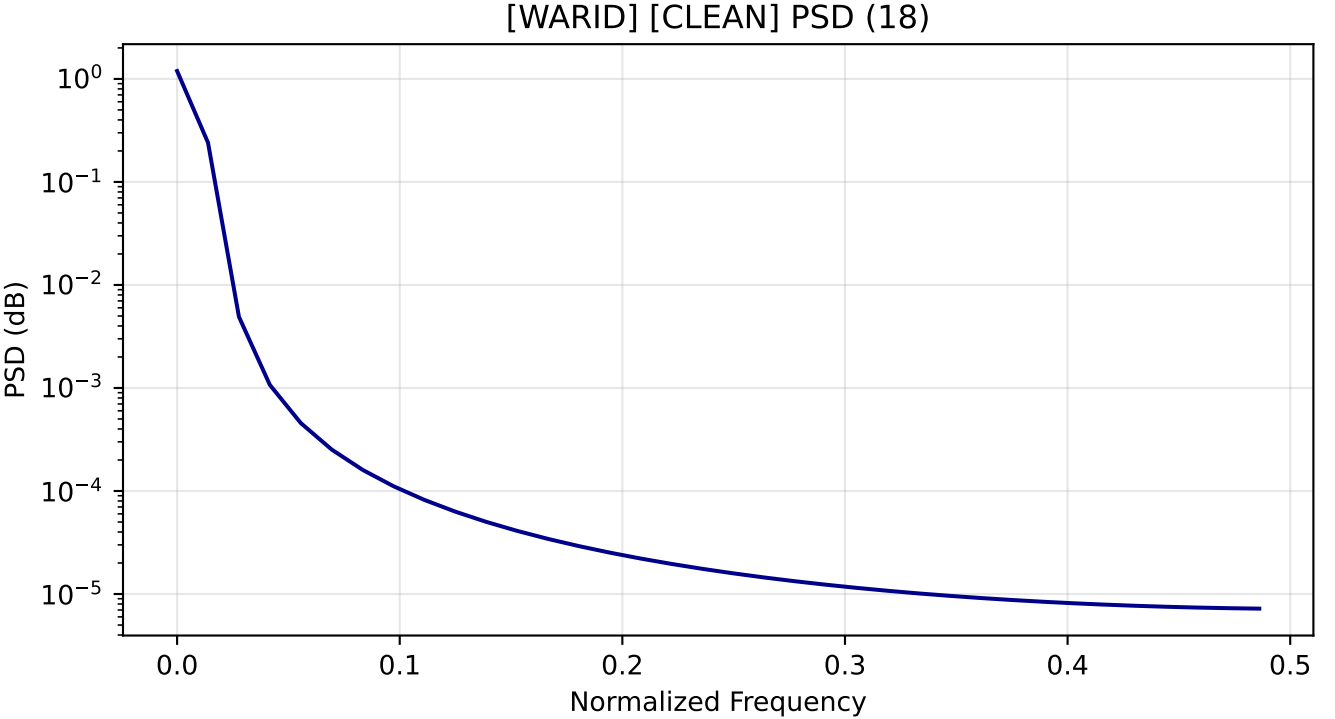

[WARID] Amplitude Dist (17)
Frequency
Amplitude
0.0
0.2
0.4
0.6
0.8
1.0
0.5
0.6
0.7
0.8
0.9
1.0


[WARID] Phase Dist (17)
Frequency
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.5
1.0
1.5
2.0
Phase (rad)


[WARID] [CLEAN] Constellation (18)
Msg: "y..."
Mod: QAM-16
NC: 64, CP: 8
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
−0.2
0.0
0.2
0.4
0.6
0.8
1.0

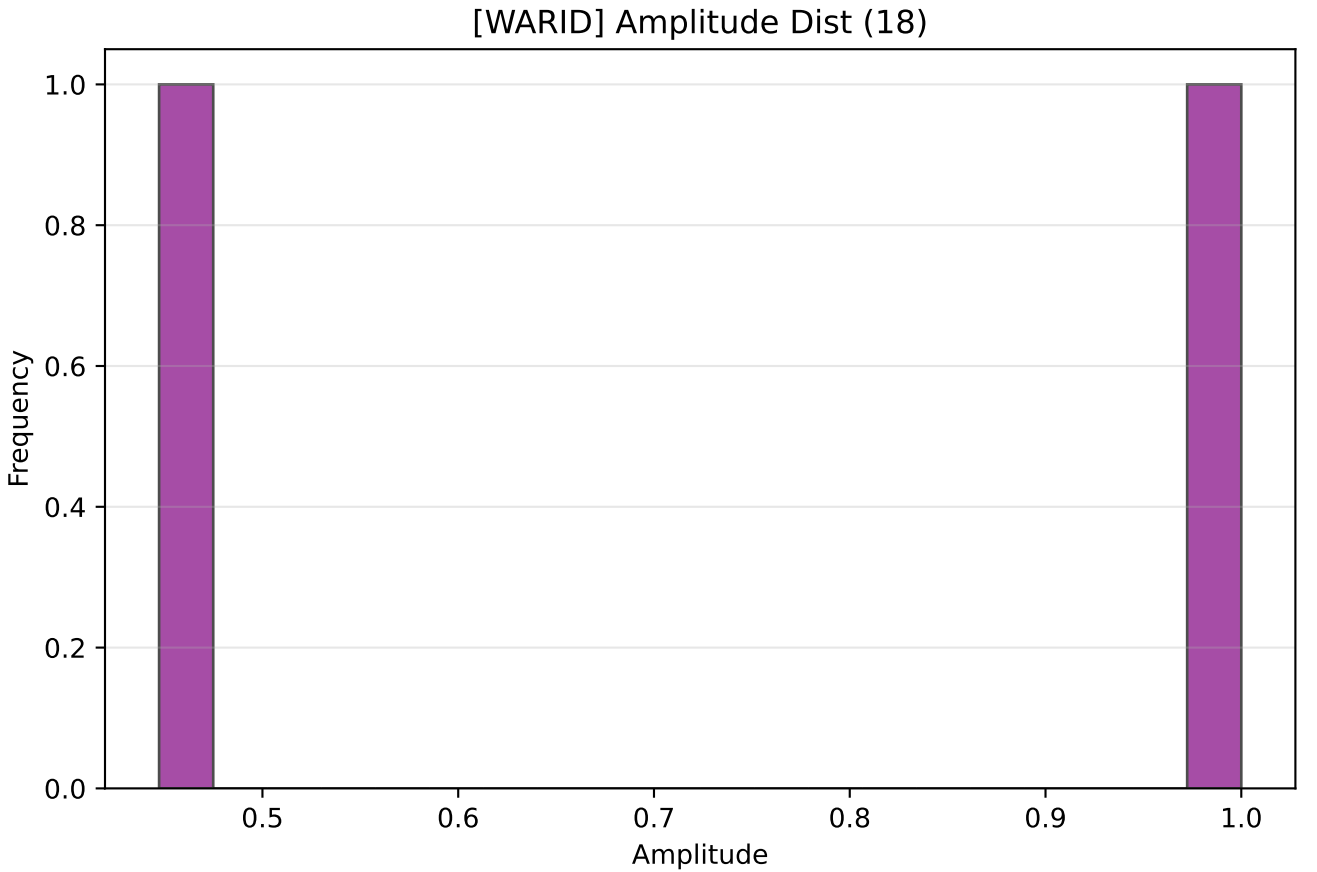

[WARID] [CLEAN] OFDM Time Domain (18)
I
Q
0.020
0.015
0.010
0.005
0.000
−0.005
−0.010
0
10
20
30
40
50
60
70

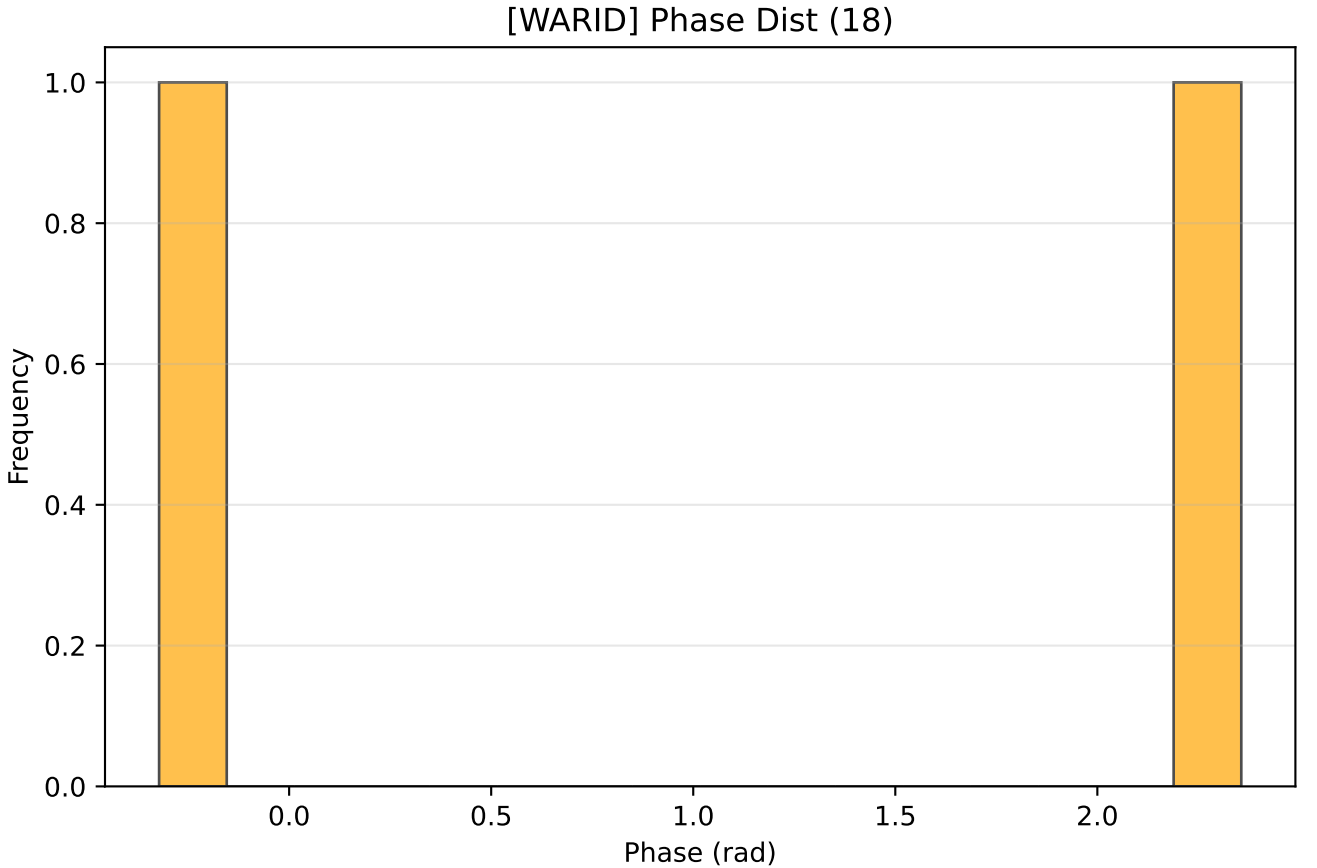

[WARID] [CLEAN] Power Envelope (18)
Power
0.0005
0.0004
0.0003
0.0002
0.0001
0
10
20
30
40
50
60
70

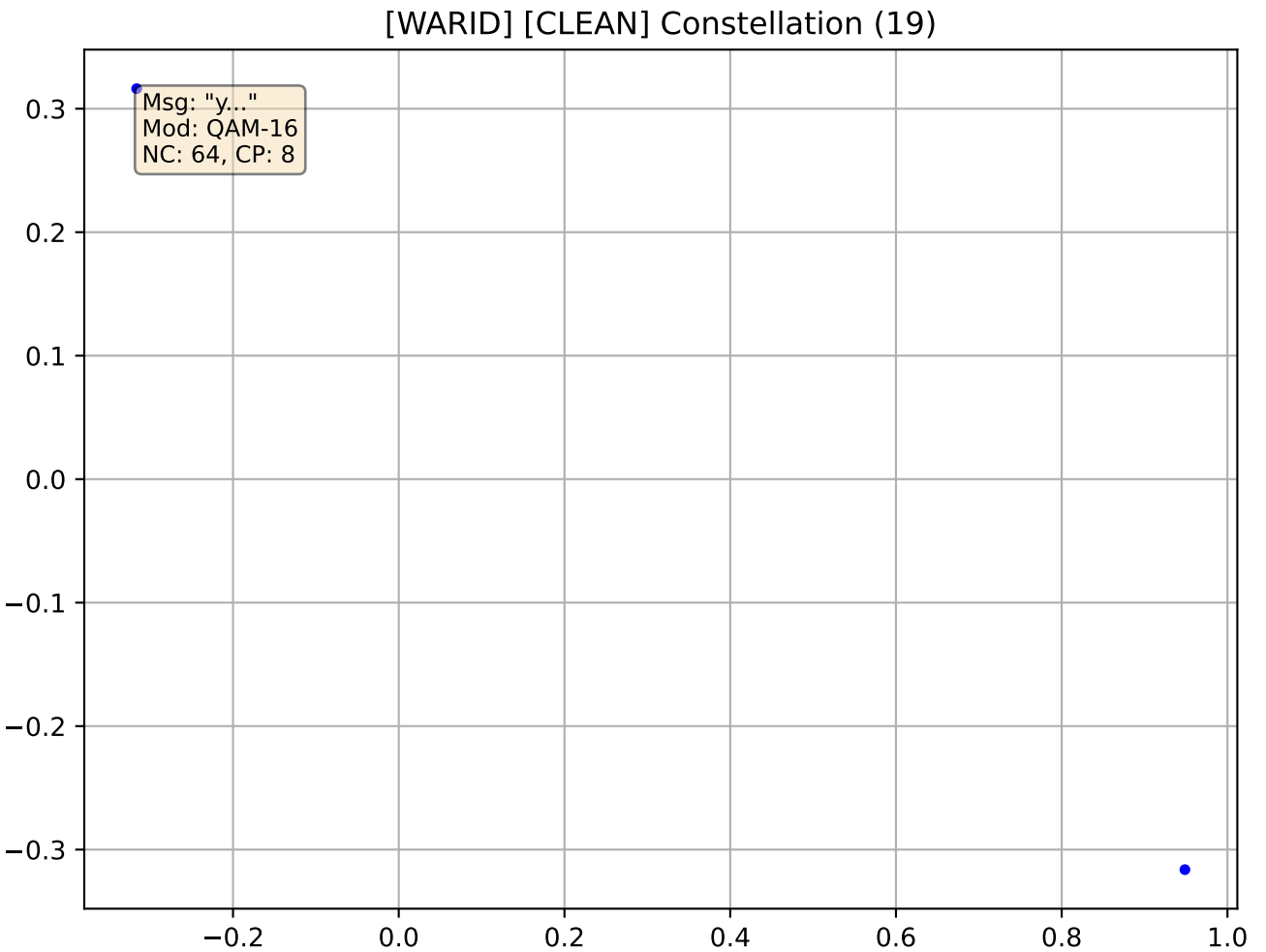

[WARID] [CLEAN] PSD (18)
PSD (dB)
10^{0}
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0.0
0.1
0.2
0.3
0.4
0.5
Normalized Frequency

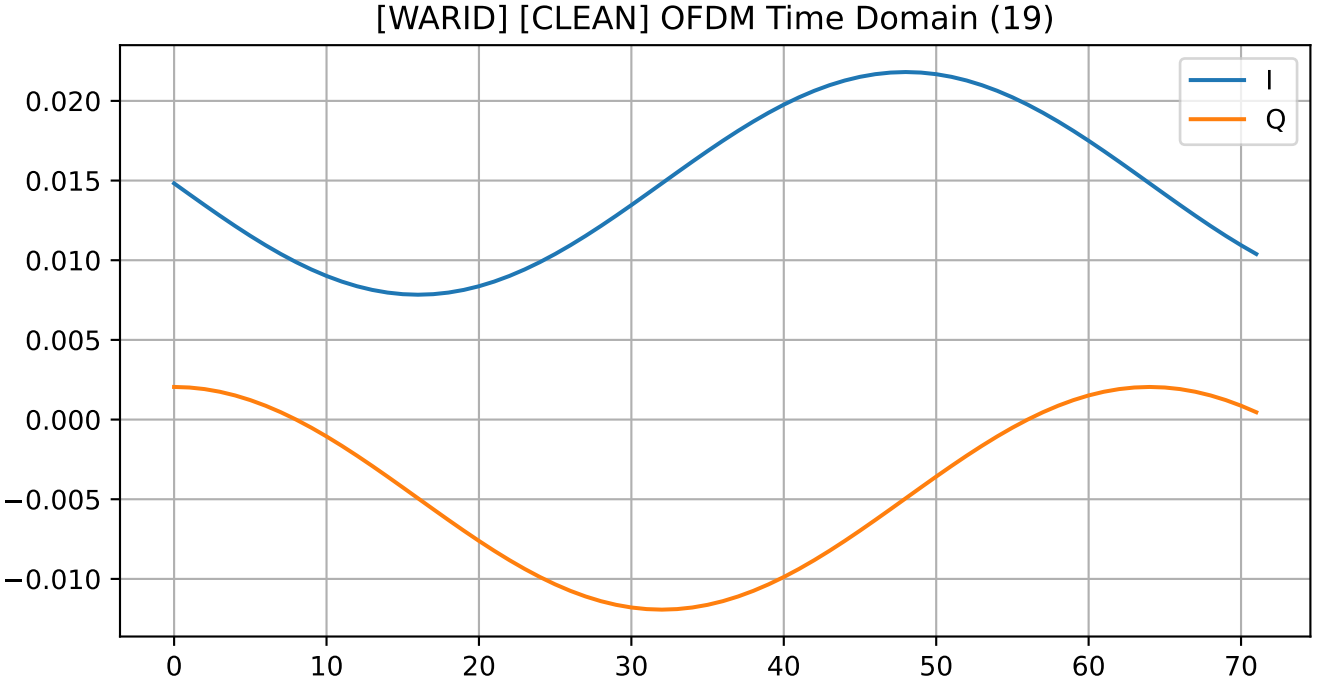
[WARID] [CLEAN] SNR (18)

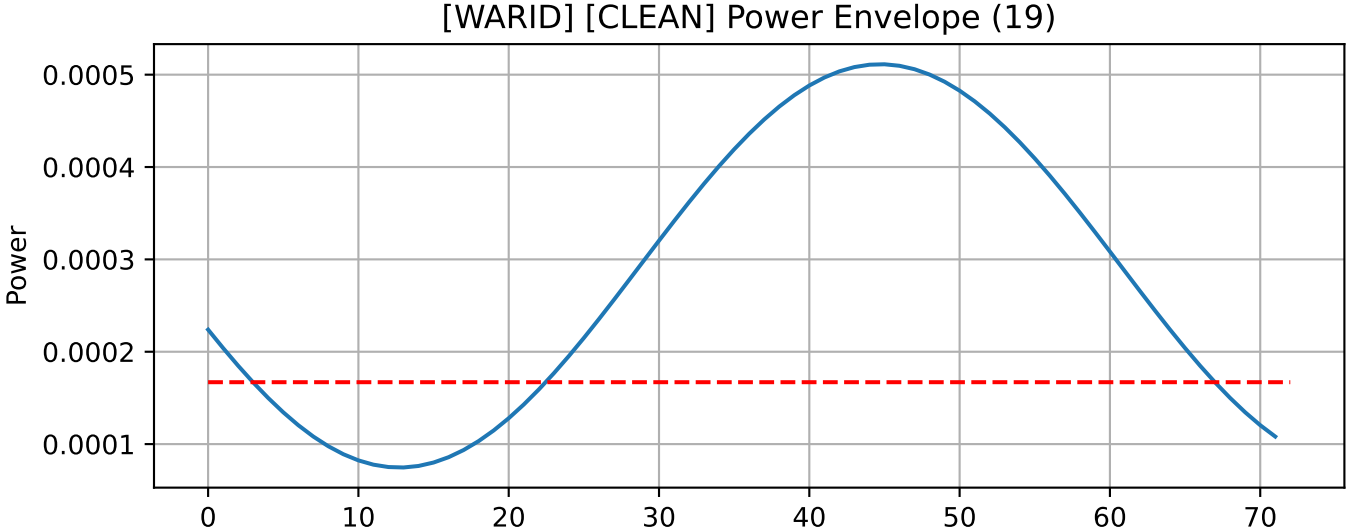
Est. SNR: 20.00 dB
Modulation: QAM-16
Received Power: 2.78e-04

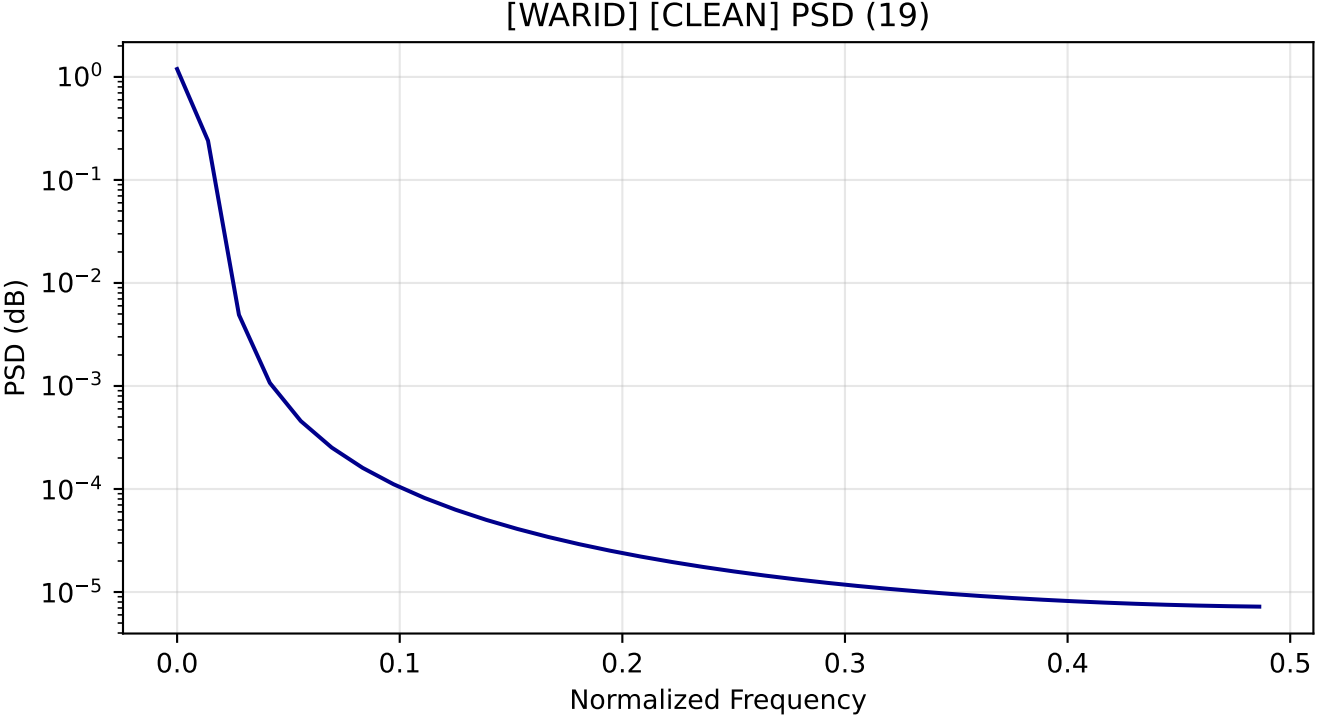

[WARID] Amplitude Dist (18)
Frequency
Amplitude
0.0
0.2
0.4
0.6
0.8
1.0
0.5
0.6
0.7
0.8
0.9
1.0


[WARID] Phase Dist (18)
Frequency
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.5
1.0
1.5
2.0
Phase (rad)

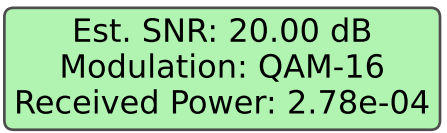

[WARID] [CLEAN] Constellation (19)
Msg: "y..."
Mod: QAM-16
NC: 64, CP: 8
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
−0.2
0.0
0.2
0.4
0.6
0.8
1.0

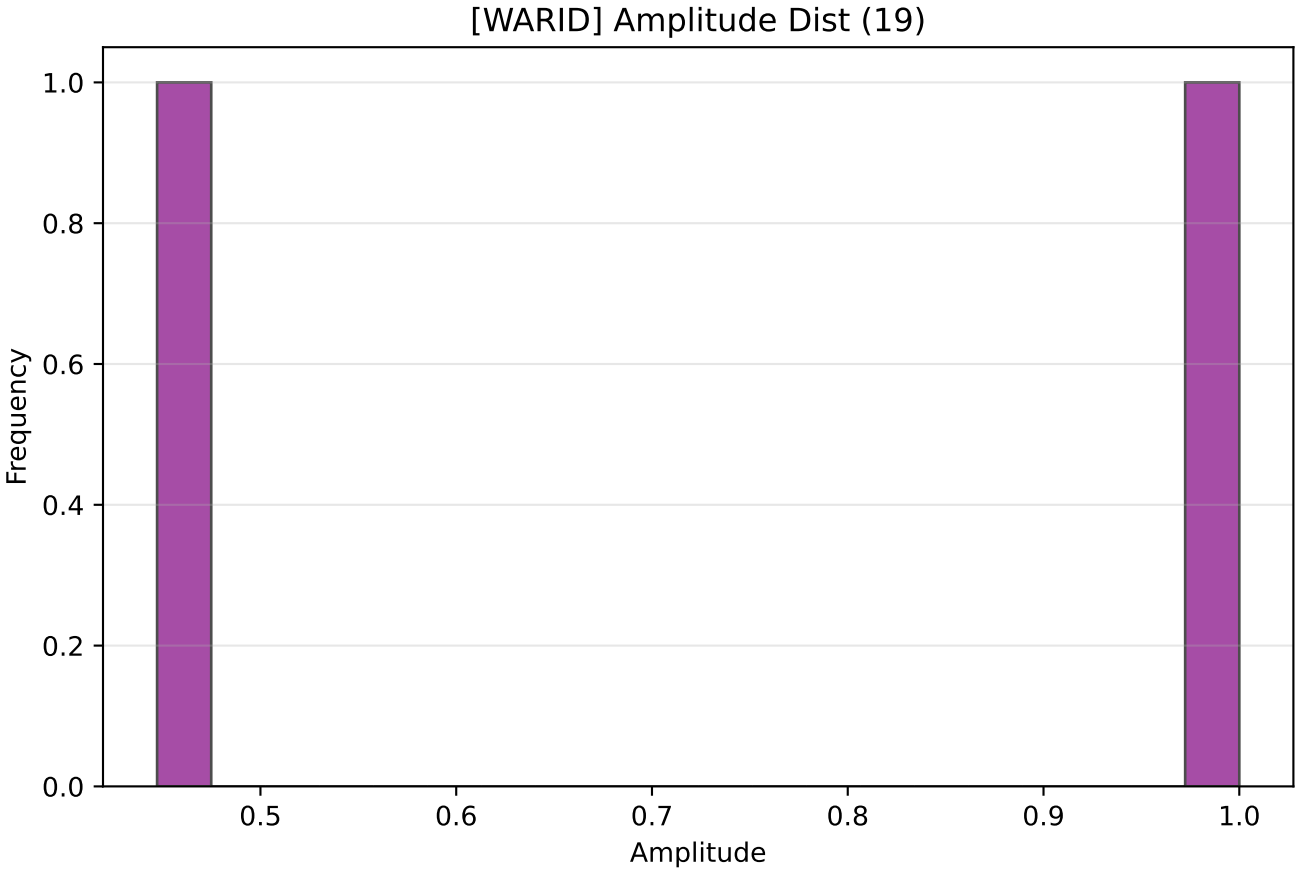

[WARID] [CLEAN] OFDM Time Domain (19)
I
Q
0.020
0.015
0.010
0.005
0.000
−0.005
−0.010
0
10
20
30
40
50
60
70

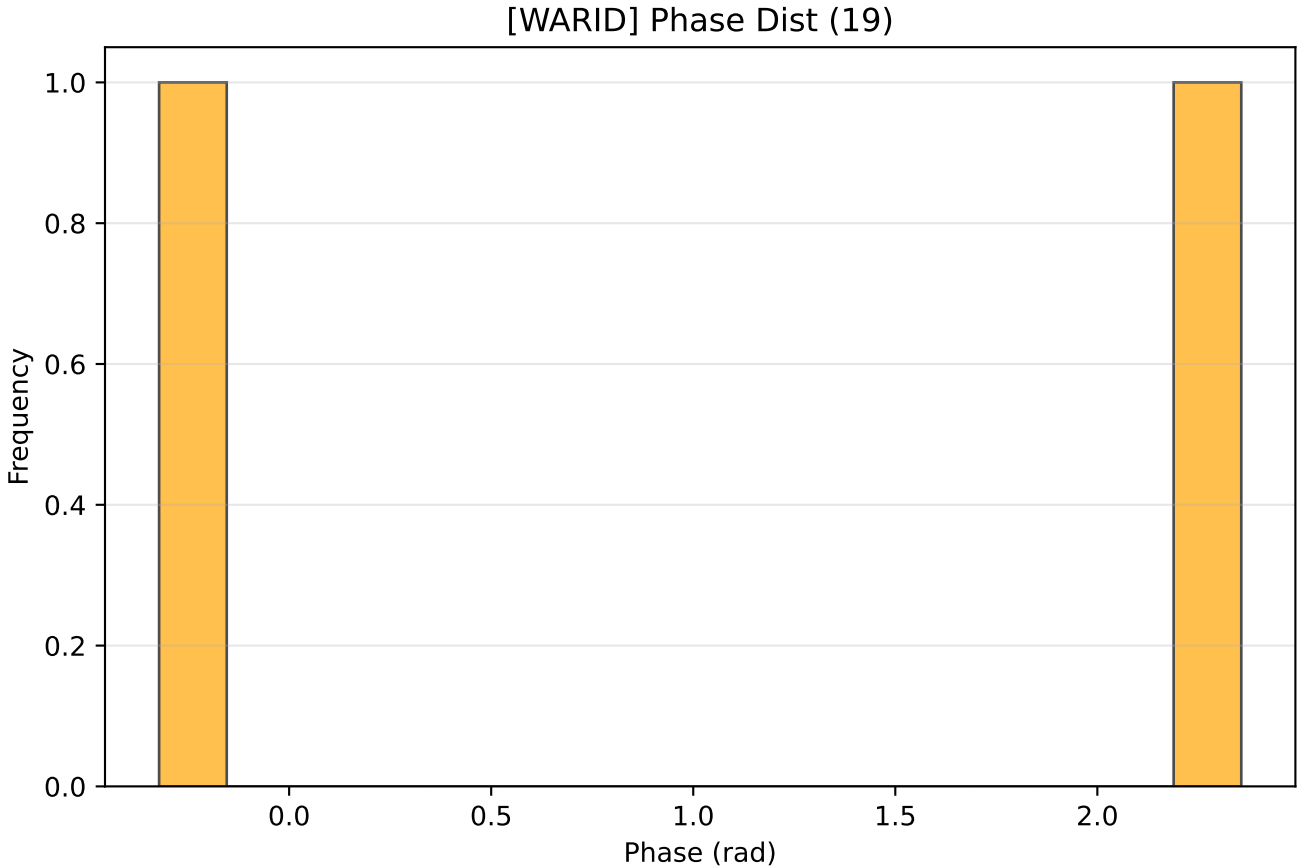

[WARID] [CLEAN] Power Envelope (19)
Power
0.0005
0.0004
0.0003
0.0002
0.0001
0
10
20
30
40
50
60
70

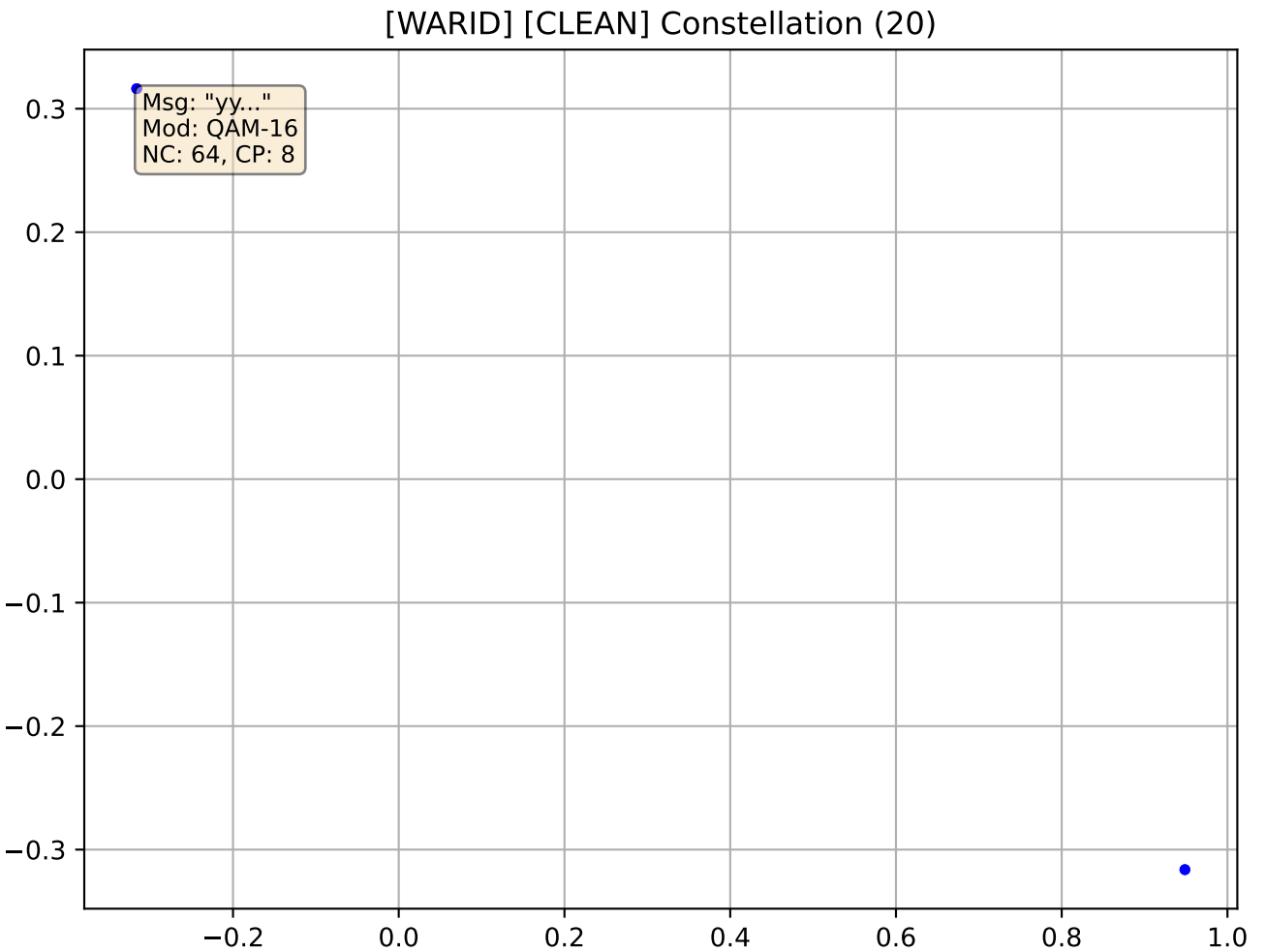

[WARID] [CLEAN] PSD (19)
PSD (dB)
10^{0}
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0.0
0.1
0.2
0.3
0.4
0.5
Normalized Frequency

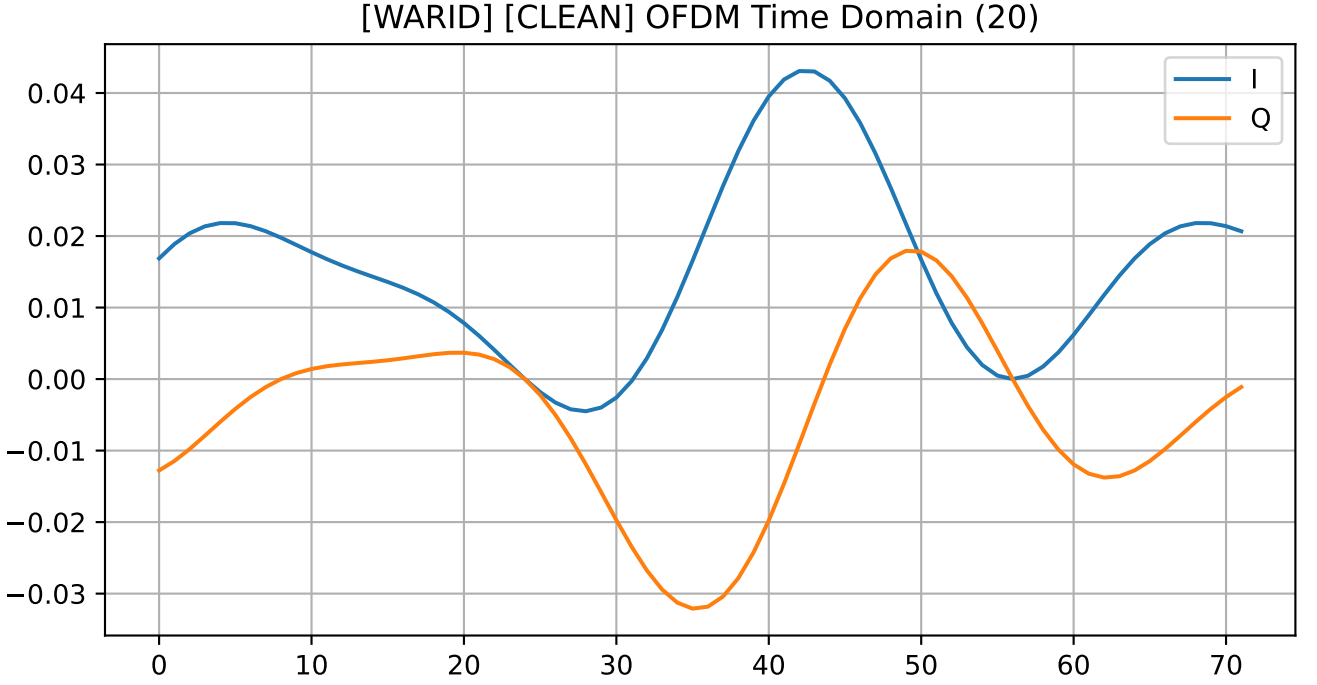
[WARID] [CLEAN] SNR (19)

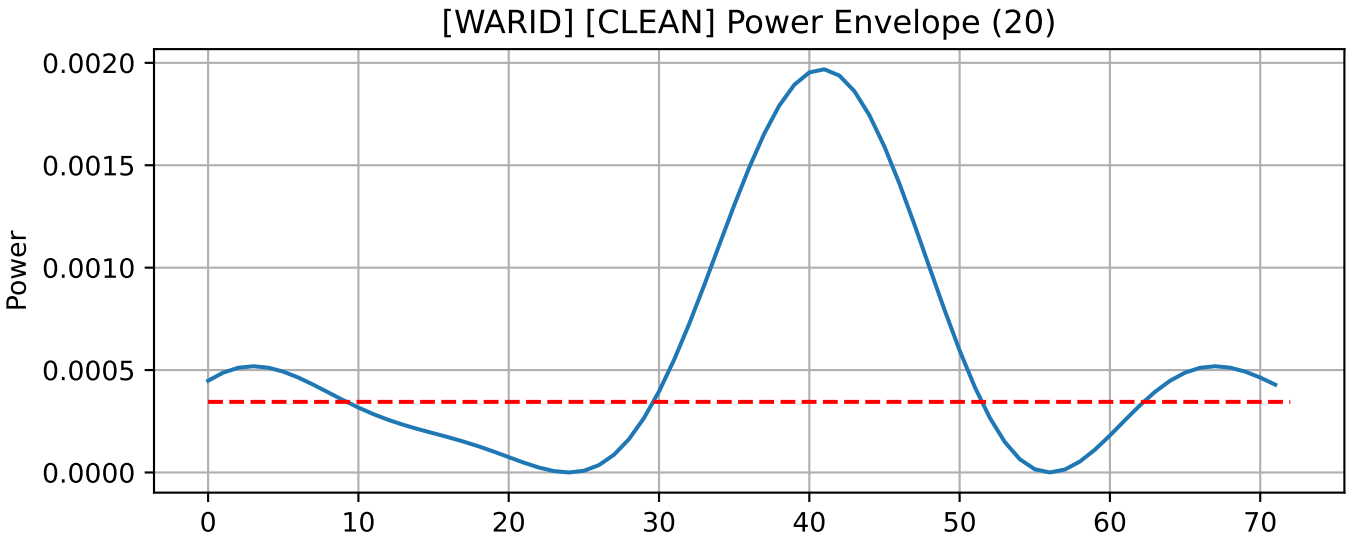


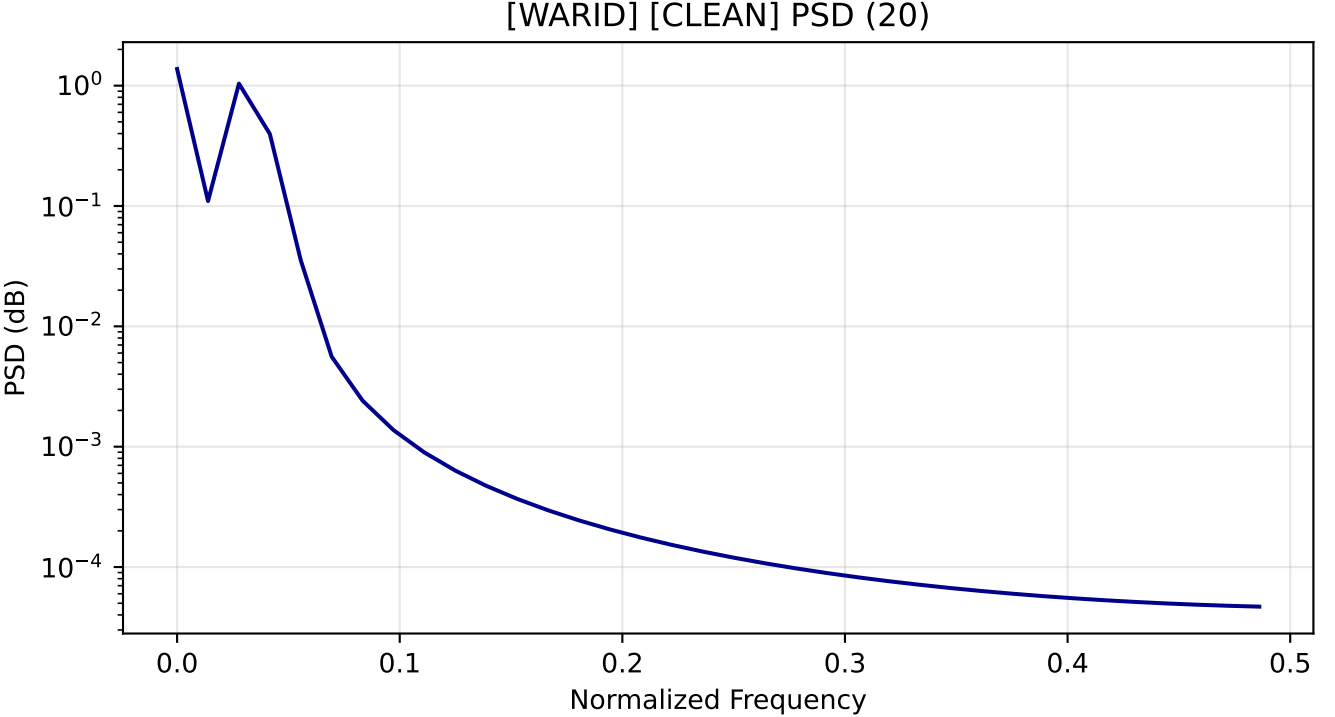

[WARID] Amplitude Dist (19)
Frequency
1.0
0.8
0.6
0.4
0.2
0.0
0.5
0.6
0.7
0.8
0.9
1.0
Amplitude


[WARID] Phase Dist (19)
Frequency
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.5
1.0
1.5
2.0
Phase (rad)


[WARID] [CLEAN] Constellation (20)
Msg: "yy..."
Mod: QAM-16
NC: 64, CP: 8
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
−0.2
0.0
0.2
0.4
0.6
0.8
1.0

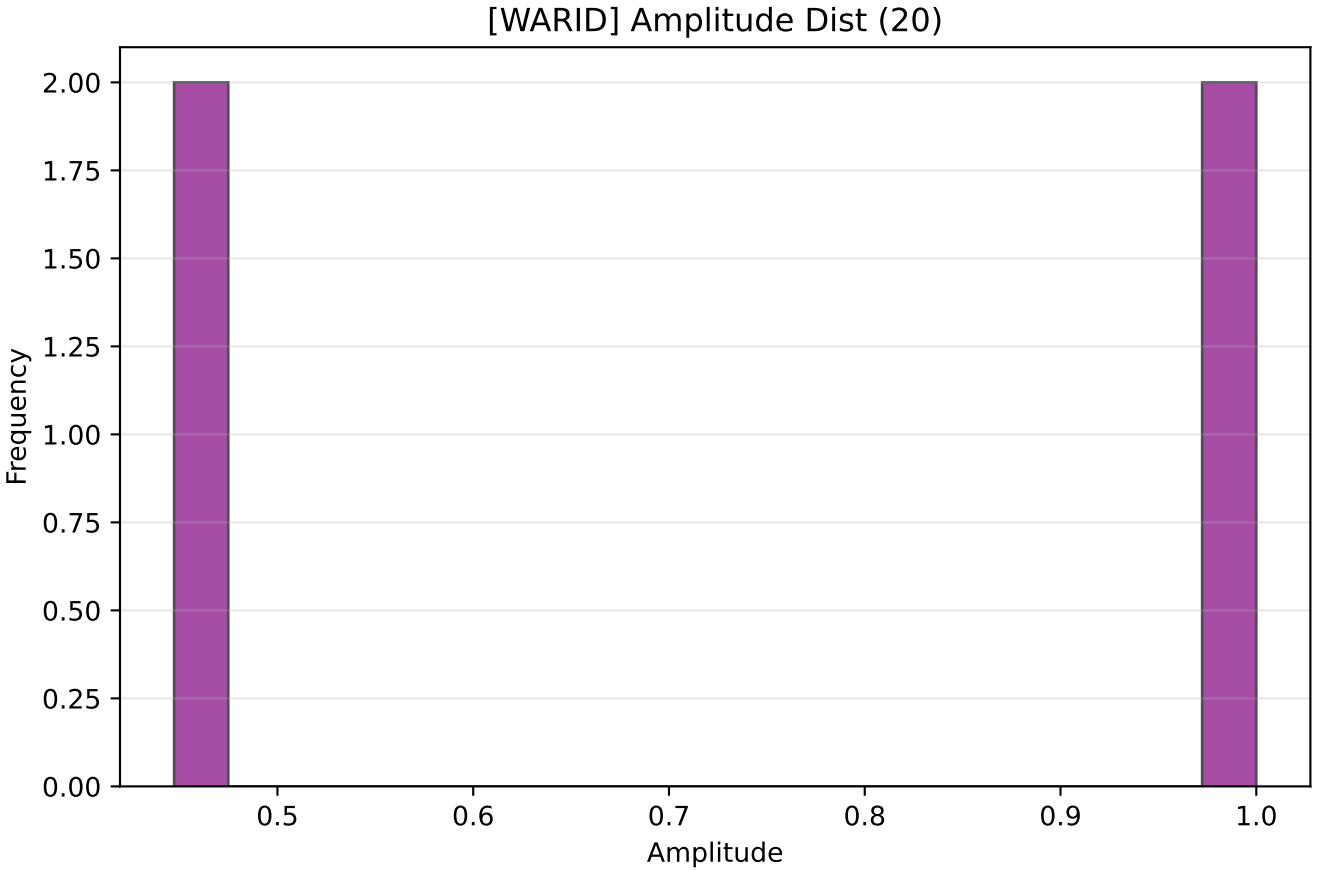

[WARID] [CLEAN] OFDM Time Domain (20)
I
Q
0.04
0.03
0.02
0.01
0.00
−0.01
−0.02
−0.03
0
10
20
30
40
50
60
70

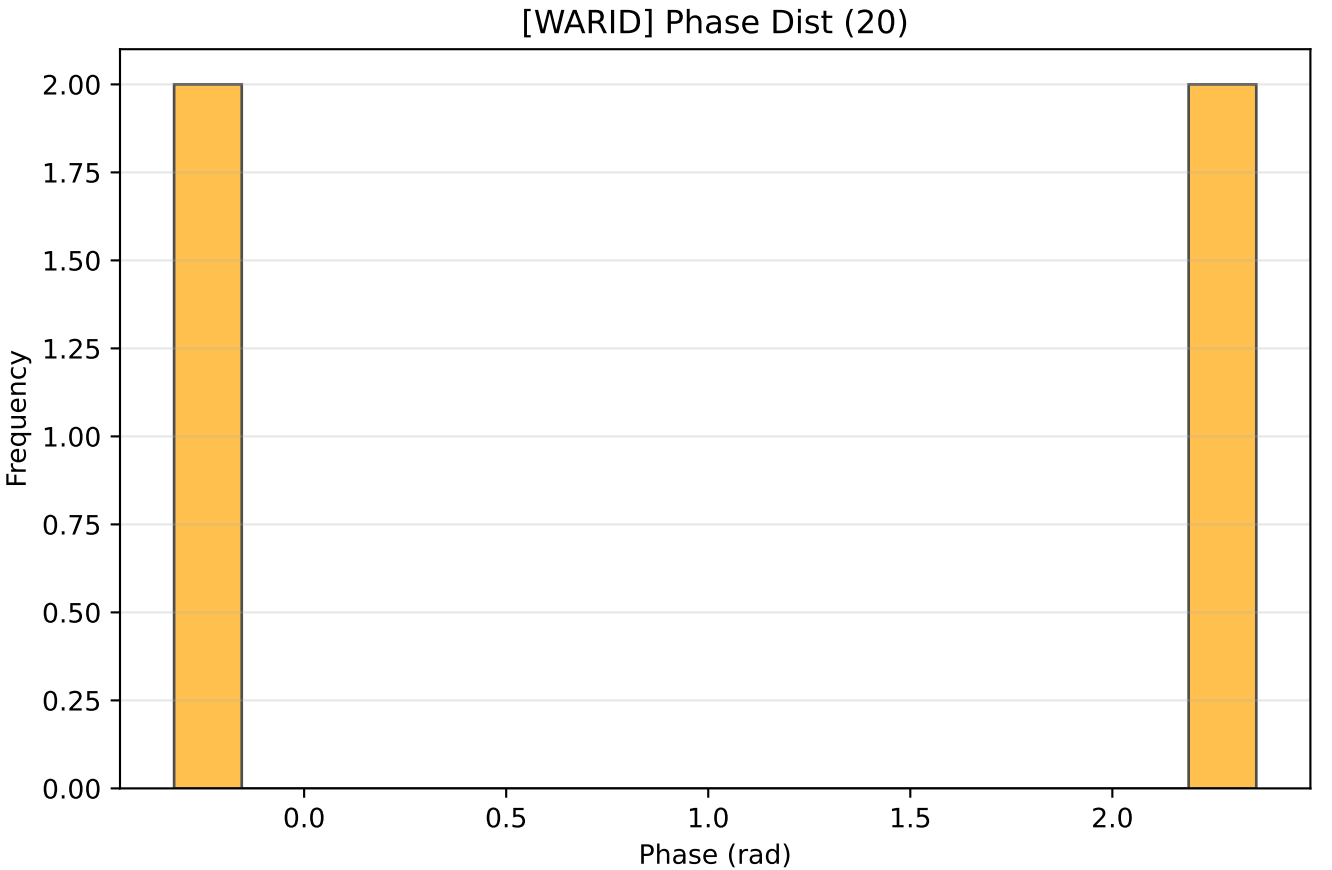

[WARID] [CLEAN] Power Envelope (20)
Power
0.0020
0.0015
0.0010
0.0005
0.0000
0
10
20
30
40
50
60
70

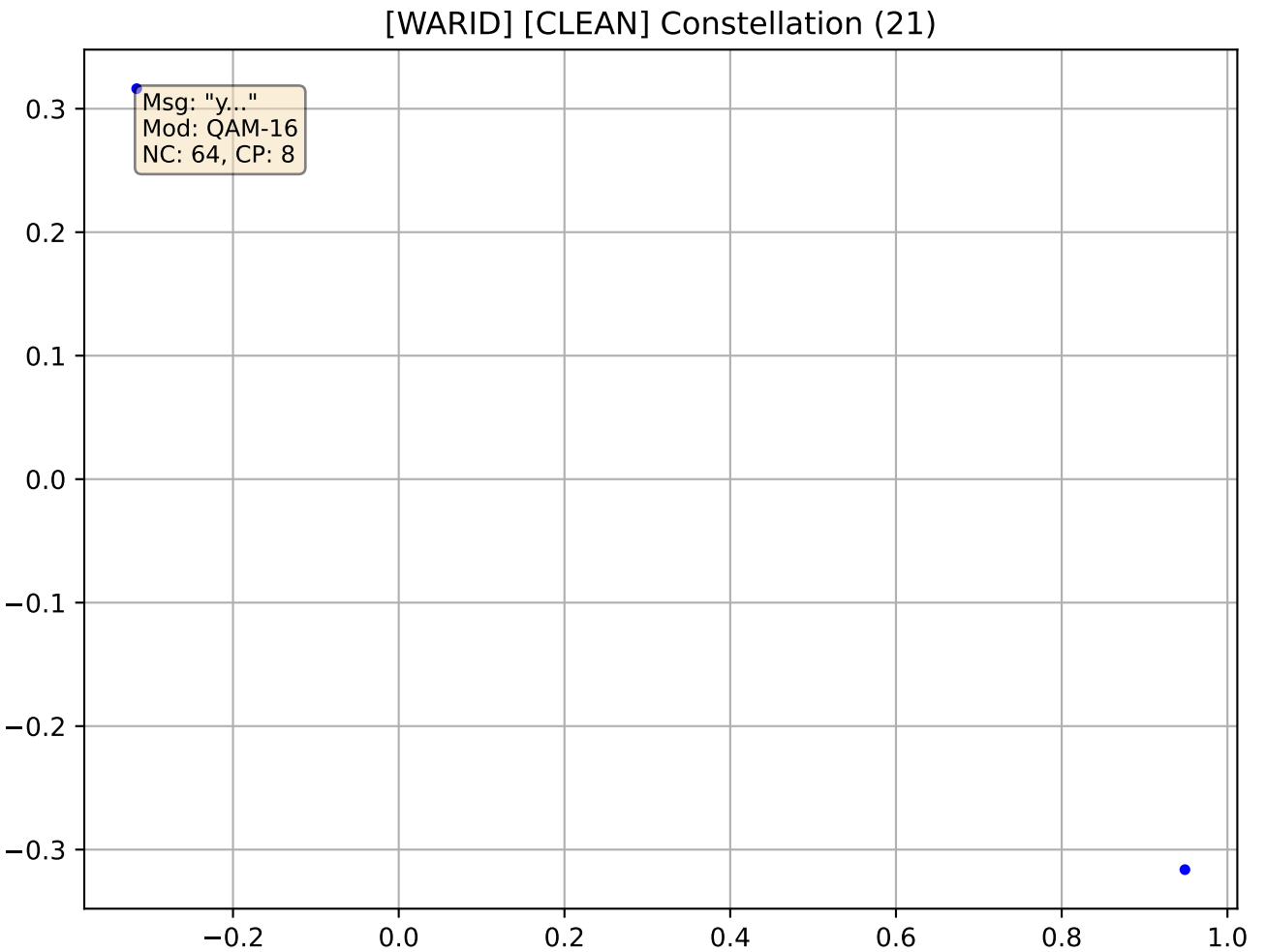

[WARID] [CLEAN] PSD (20)
PSD (dB)
10^{0}
10^{-1}
10^{-2}
10^{-3}
10^{-4}
0.0
0.1
0.2
0.3
0.4
0.5
Normalized Frequency

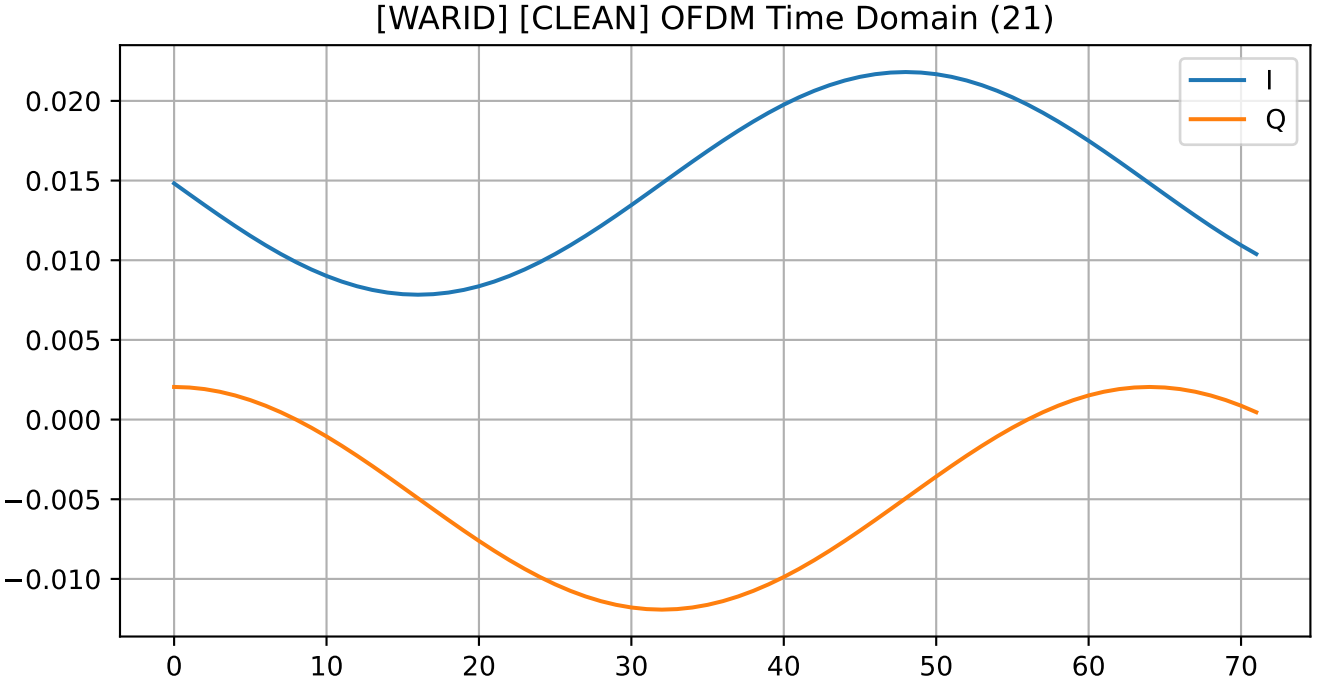
[WARID] [CLEAN] SNR (20)

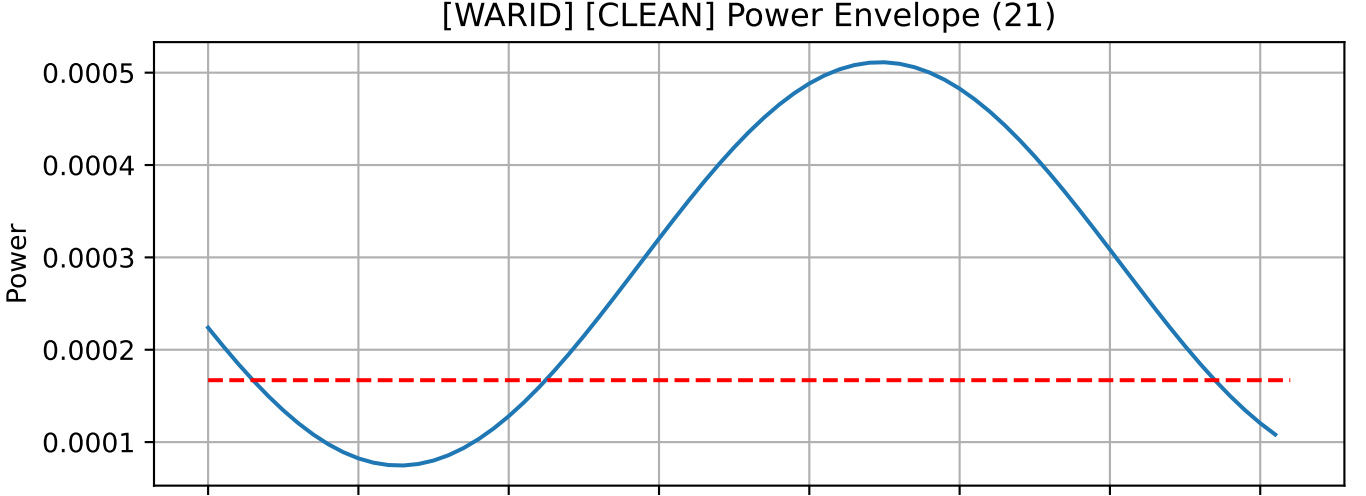
Est. SNR: 20.00 dB
Modulation: QAM-16
Received Power: 5.74e-04

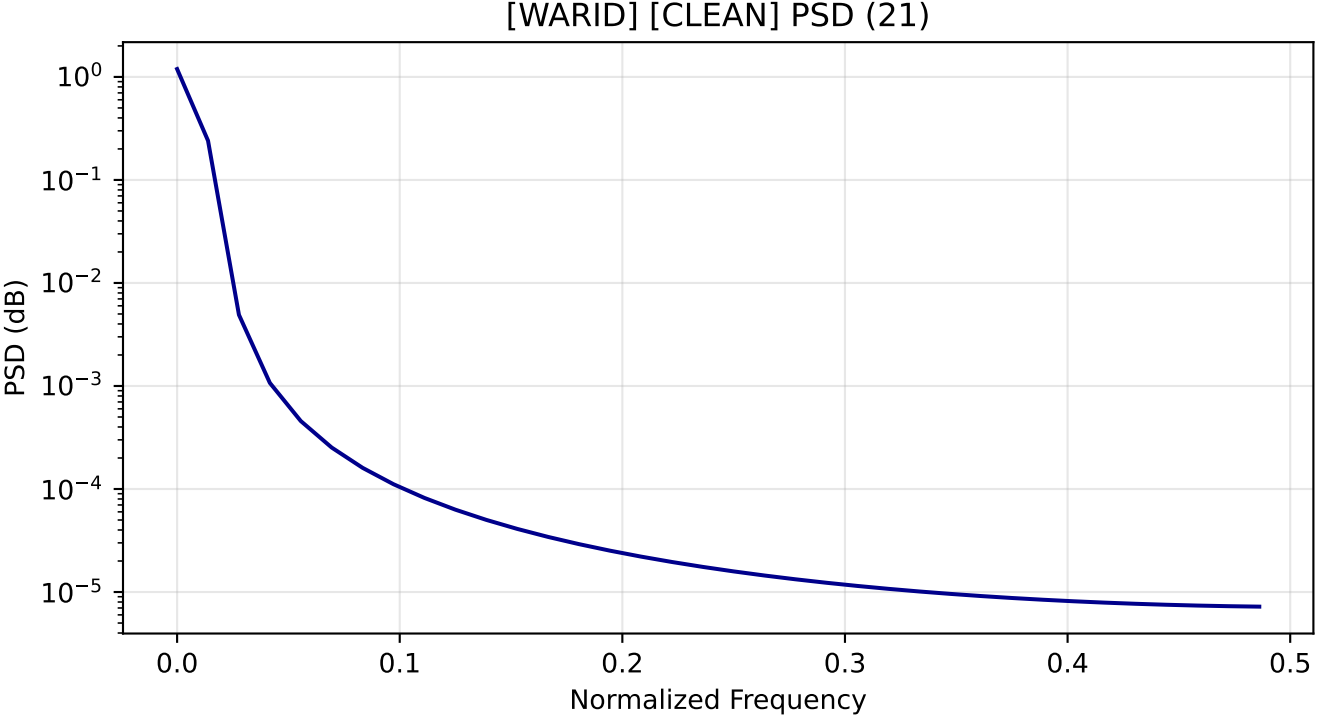

[WARID] Amplitude Dist (20)
Frequency
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
0.5
0.6
0.7
0.8
0.9
1.0
Amplitude


[WARID] Phase Dist (20)
Frequency
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
0.0
0.5
1.0
1.5
2.0
Phase (rad)


[WARID] [CLEAN] Constellation (21)
Msg: "y..."
Mod: QAM-16
NC: 64, CP: 8
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
−0.2
0.0
0.2
0.4
0.6
0.8
1.0

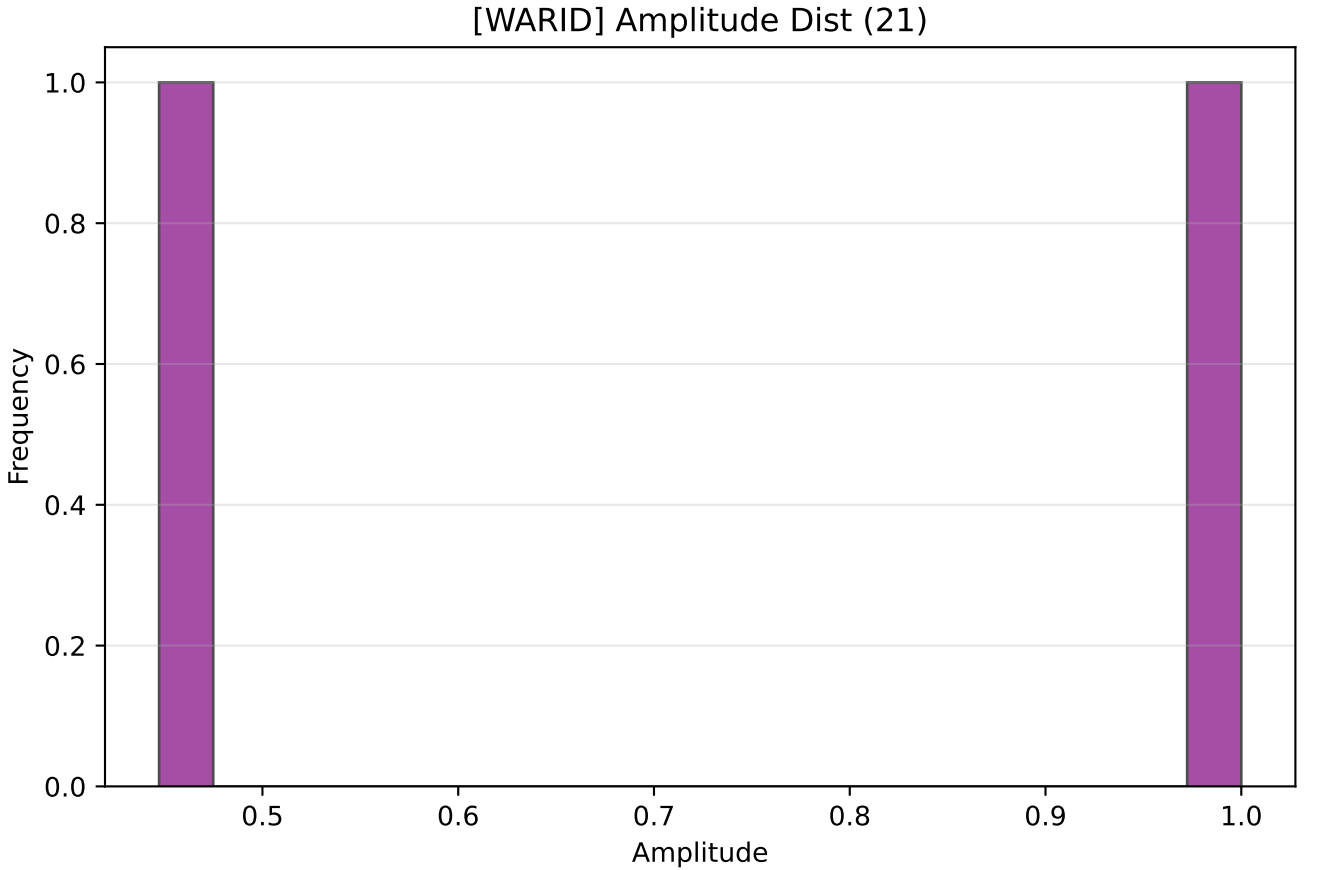

[WARID] [CLEAN] OFDM Time Domain (21)
I
Q
0.020
0.015
0.010
0.005
0.000
−0.005
−0.010
0
10
20
30
40
50
60
70

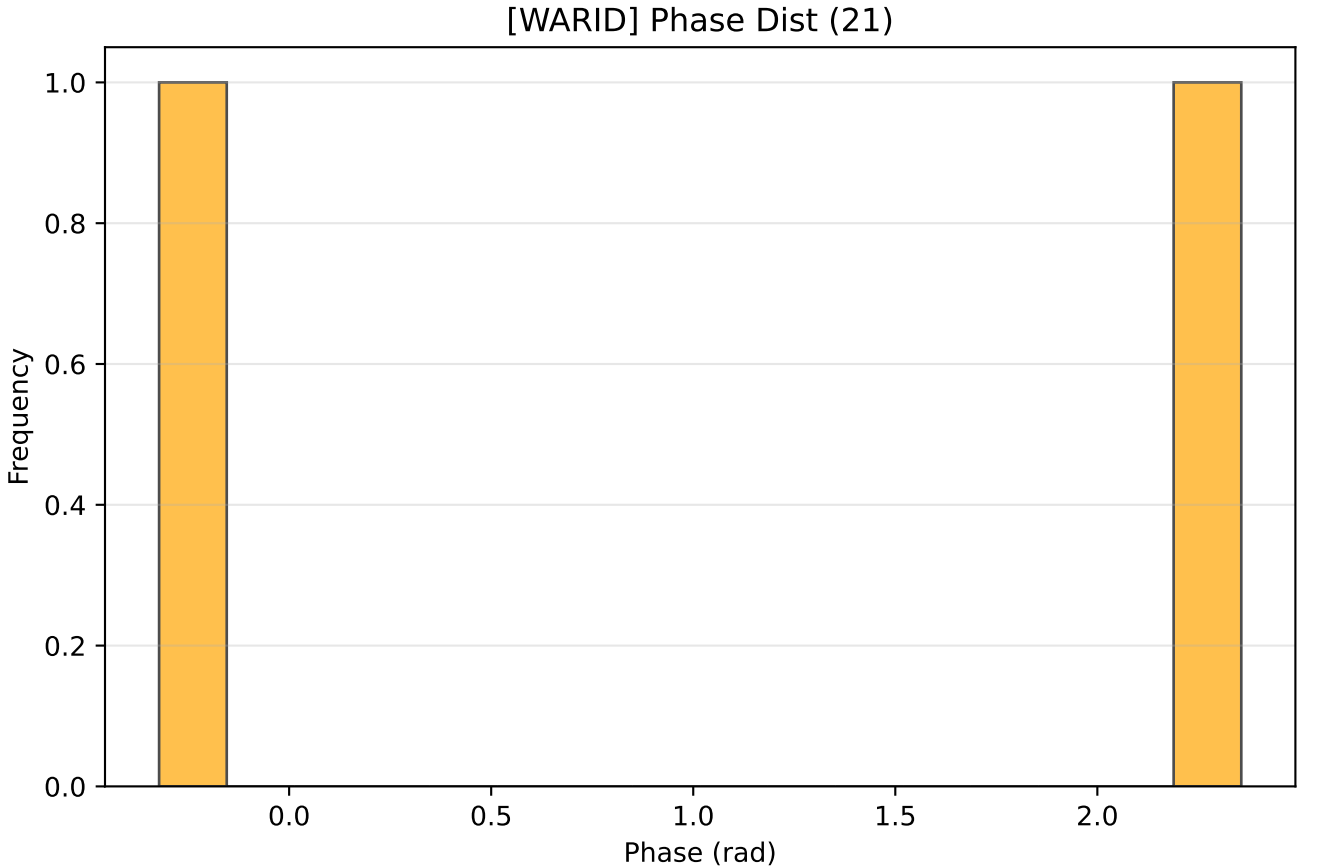

[WARID] [CLEAN] Power Envelope (21)
Power
0.0005
0.0004
0.0003
0.0002
0.0001
0
10
20
30
40
50
60
70

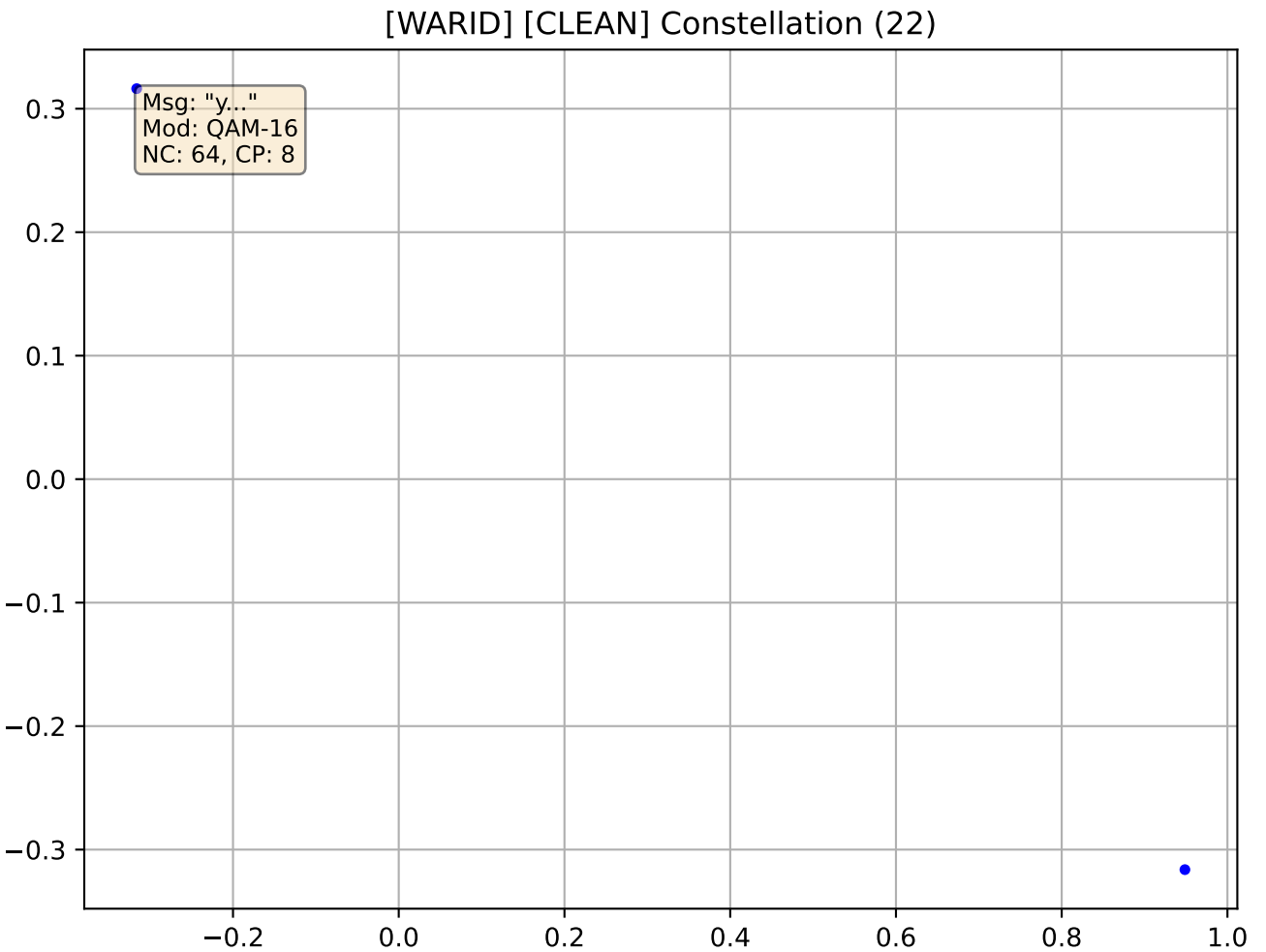

[WARID] [CLEAN] PSD (21)
PSD (dB)
10^{0}
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0.0
0.1
0.2
0.3
0.4
0.5
Normalized Frequency

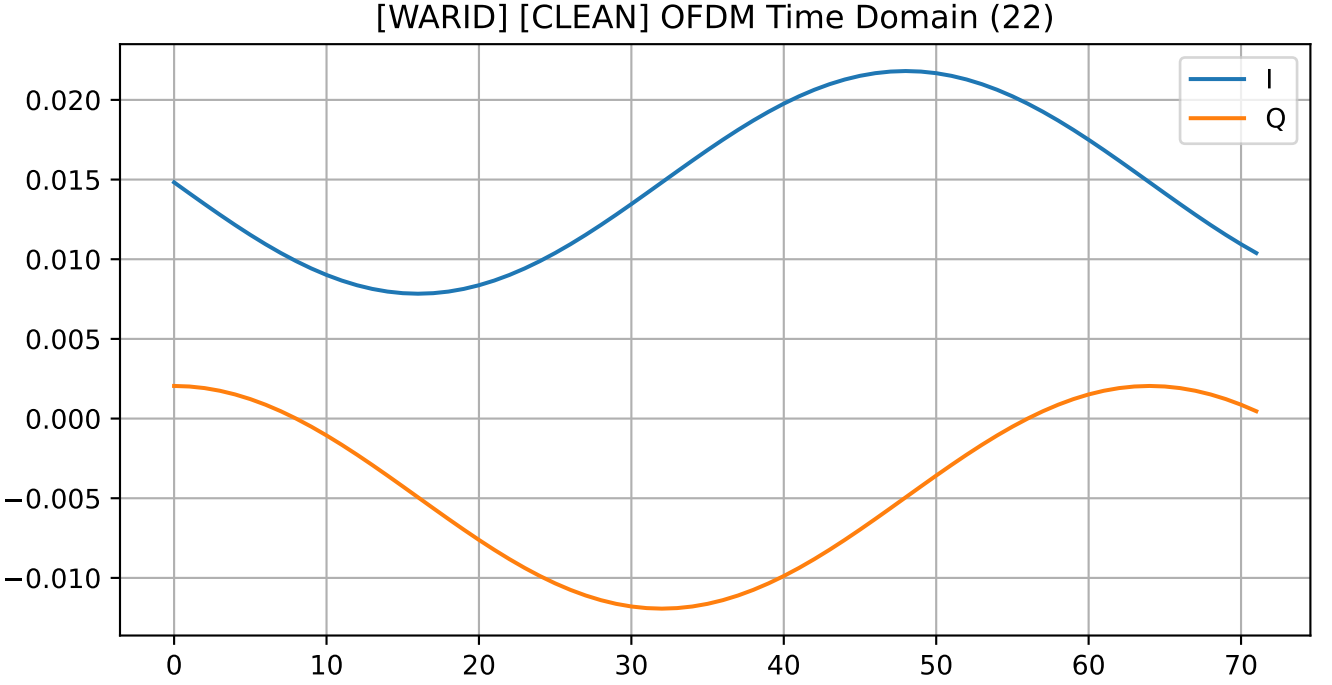
[WARID] [CLEAN] SNR (21)

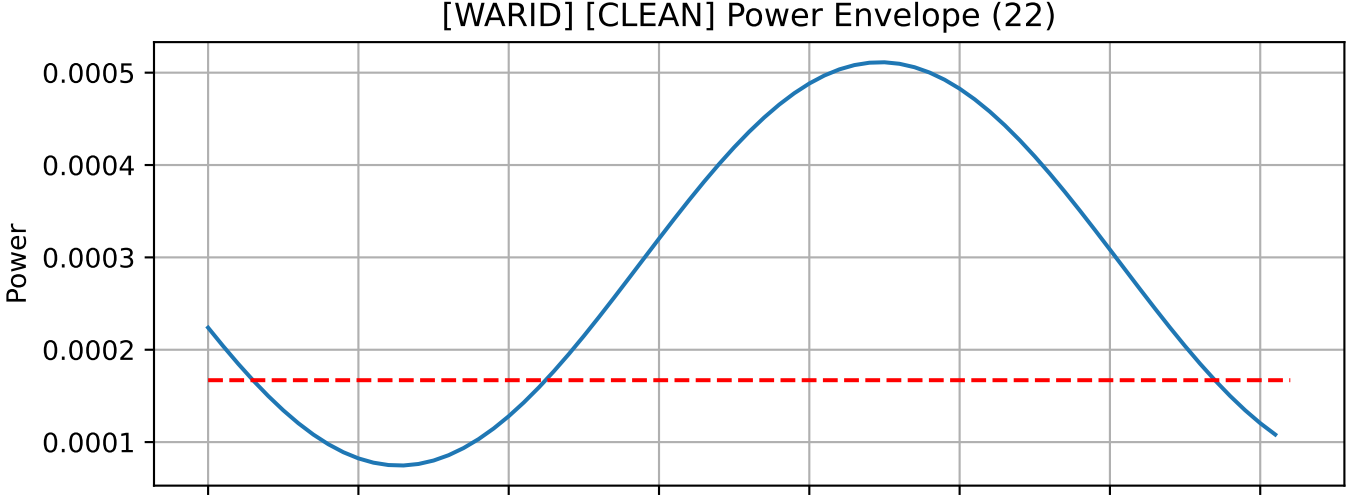
Est. SNR: 20.00 dB
Modulation: QAM-16
Received Power: 2.78e-04

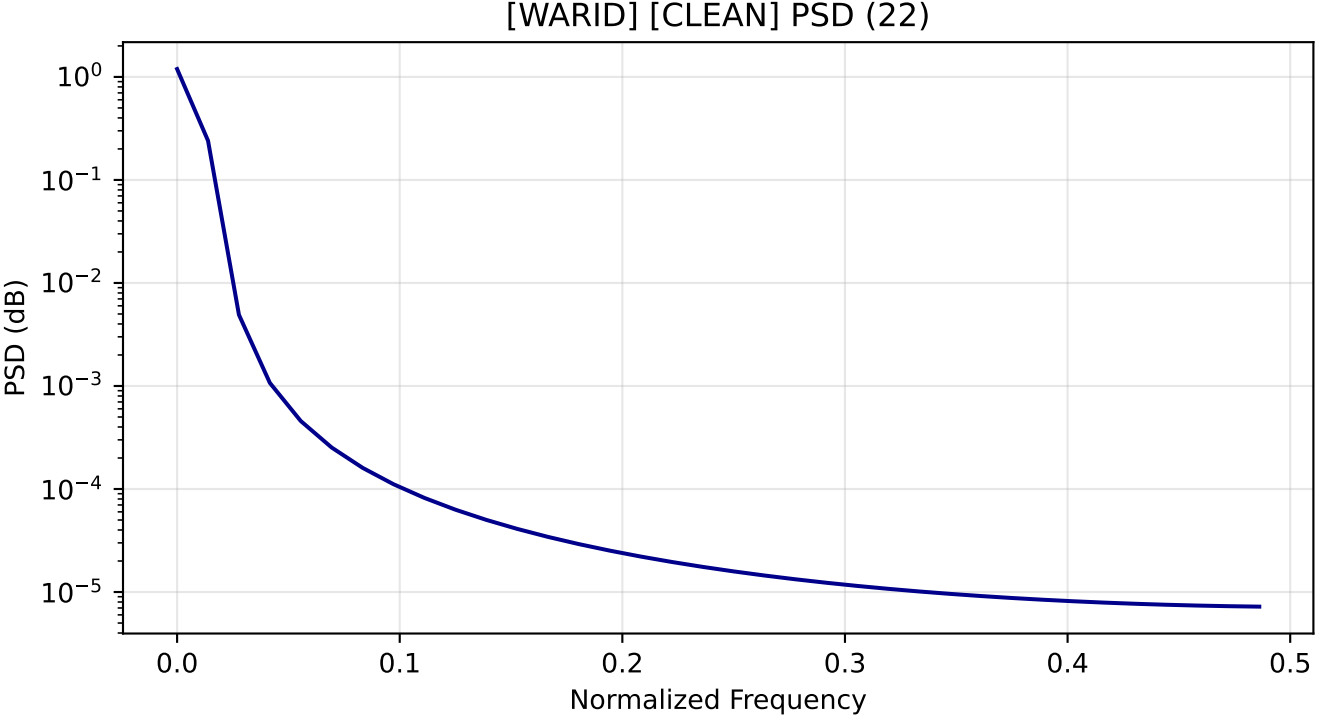

[WARID] Amplitude Dist (21)
Frequency
Amplitude
0.0
0.2
0.4
0.6
0.8
1.0
0.5
0.6
0.7
0.8
0.9
1.0


[WARID] Phase Dist (21)
Frequency
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.5
1.0
1.5
2.0
Phase (rad)

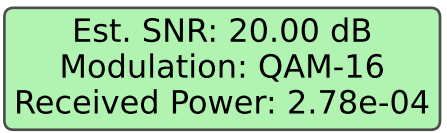

[WARID] [CLEAN] Constellation (22)
Msg: "y..."
Mod: QAM-16
NC: 64, CP: 8
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
−0.2
0.0
0.2
0.4
0.6
0.8
1.0

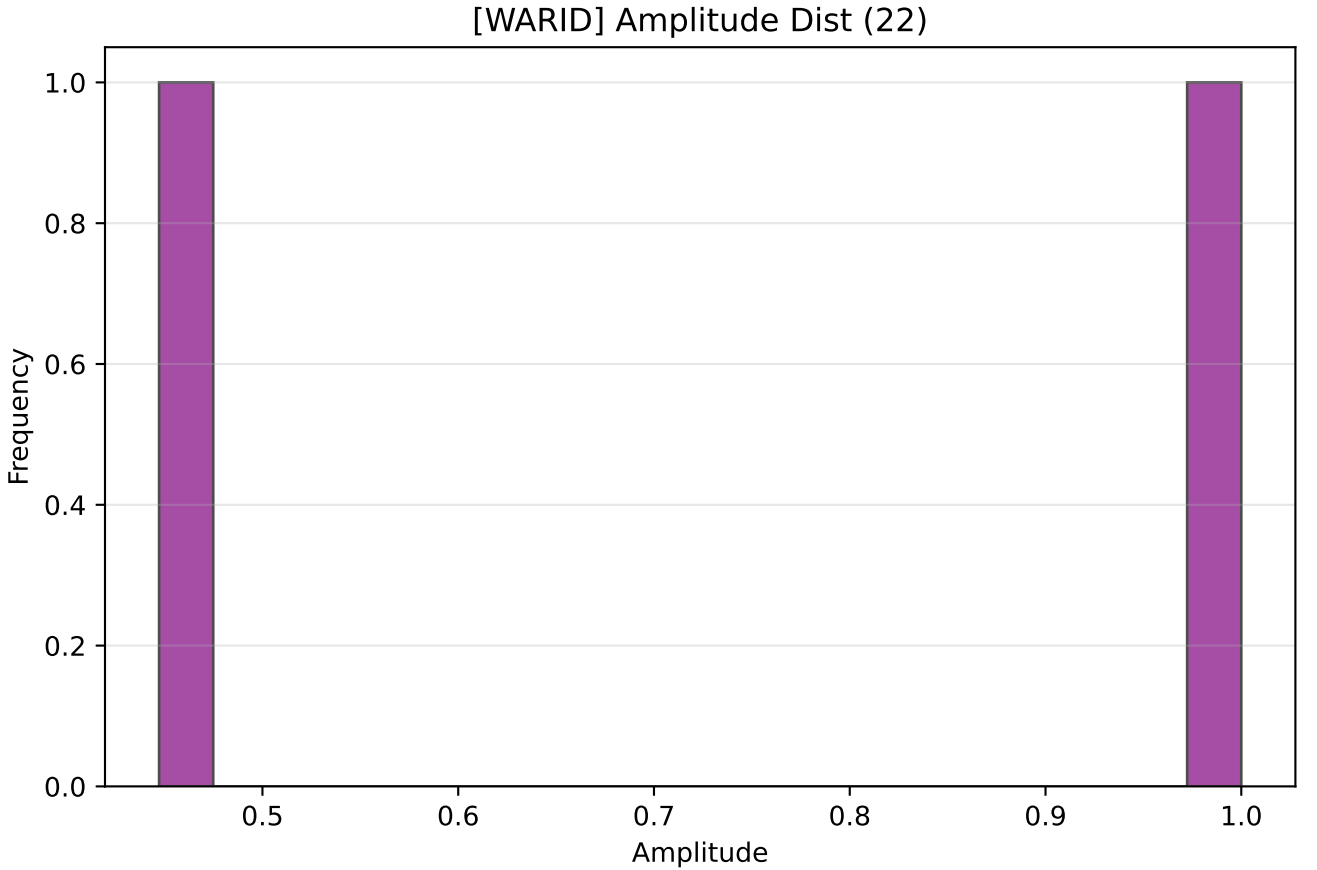

[WARID] [CLEAN] OFDM Time Domain (22)
I
Q
0.020
0.015
0.010
0.005
0.000
−0.005
−0.010
0
10
20
30
40
50
60
70

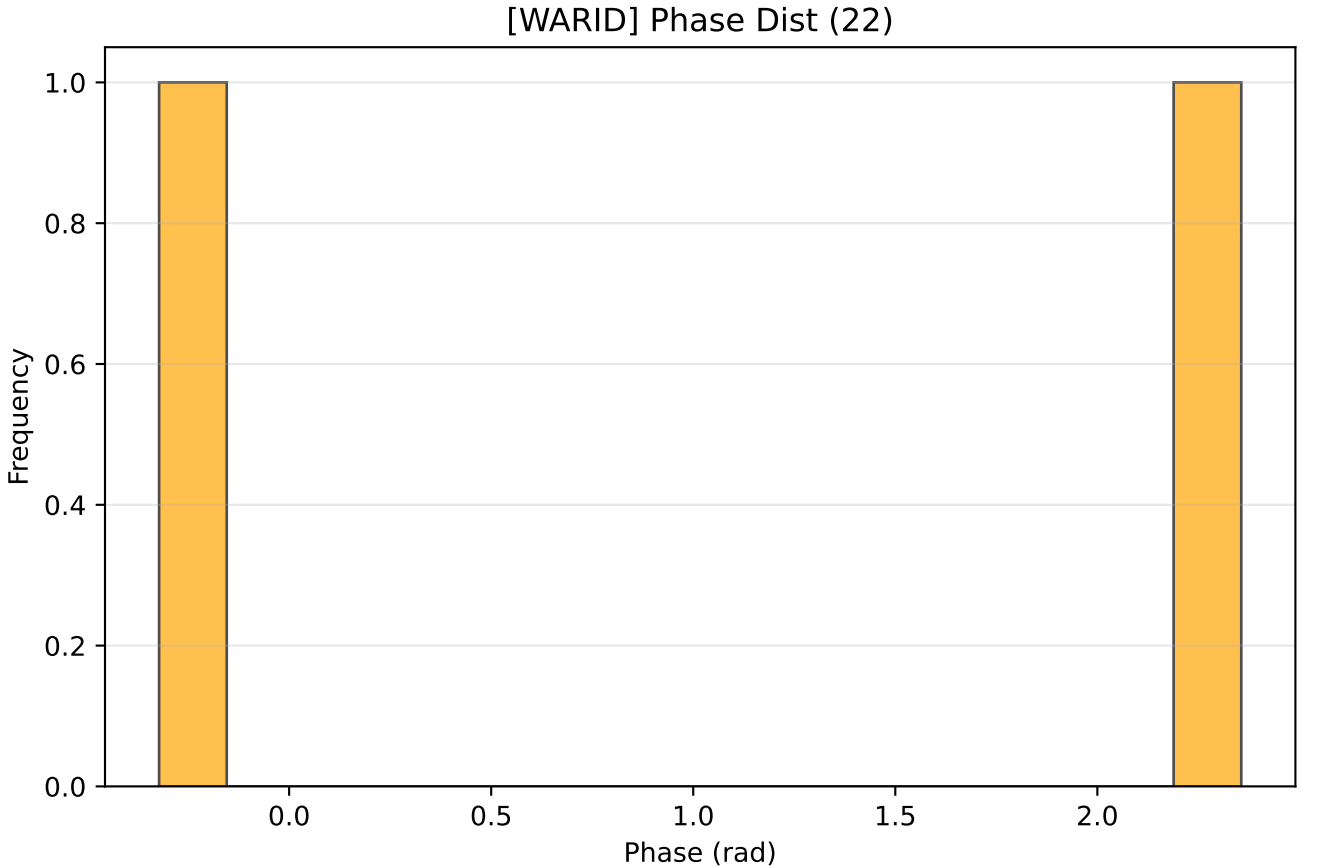

[WARID] [CLEAN] Power Envelope (22)
Power
0.0005
0.0004
0.0003
0.0002
0.0001
0
10
20
30
40
50
60
70

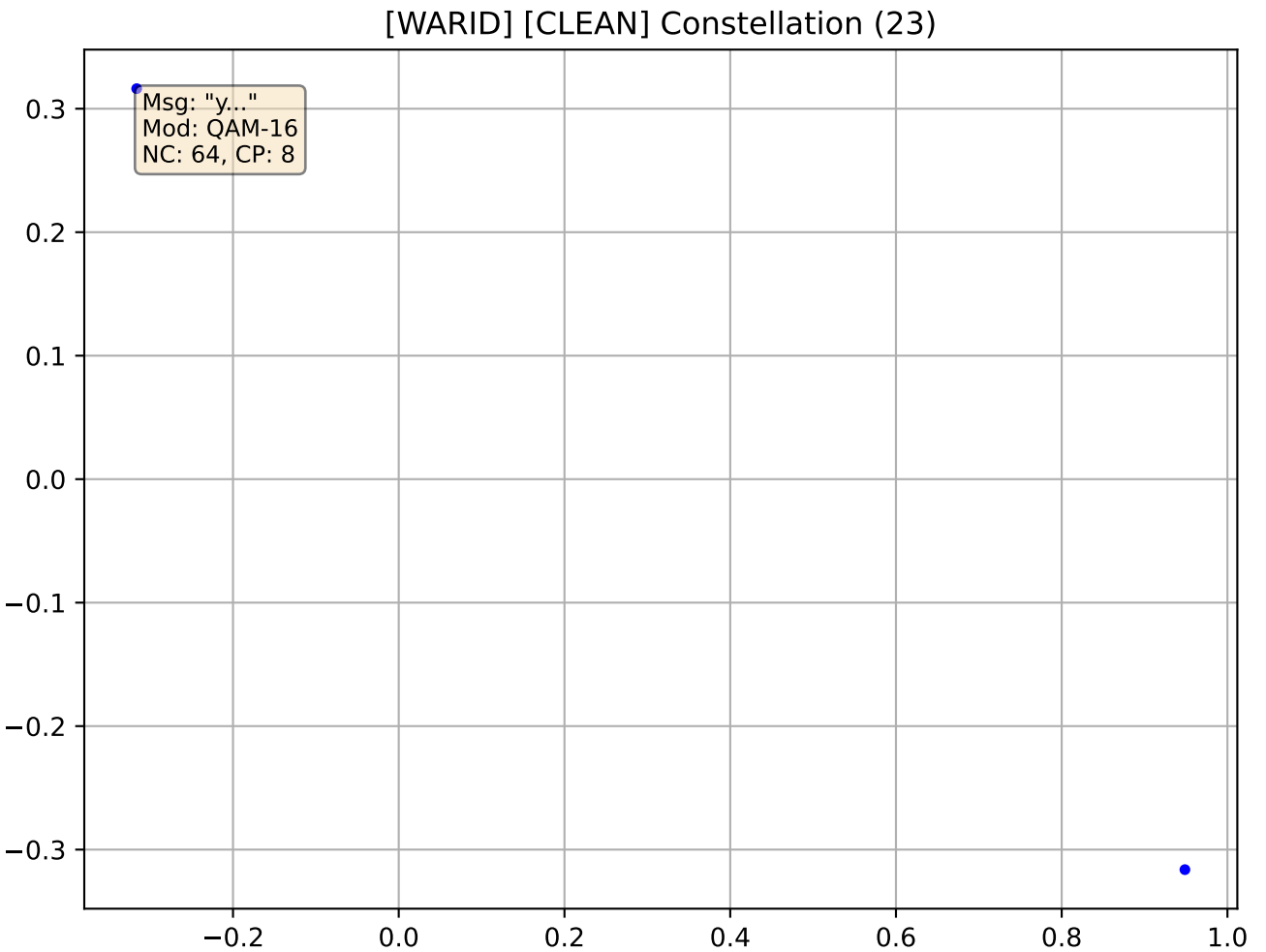

[WARID] [CLEAN] PSD (22)
PSD (dB)
10^{0}
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0.0
0.1
0.2
0.3
0.4
0.5
Normalized Frequency

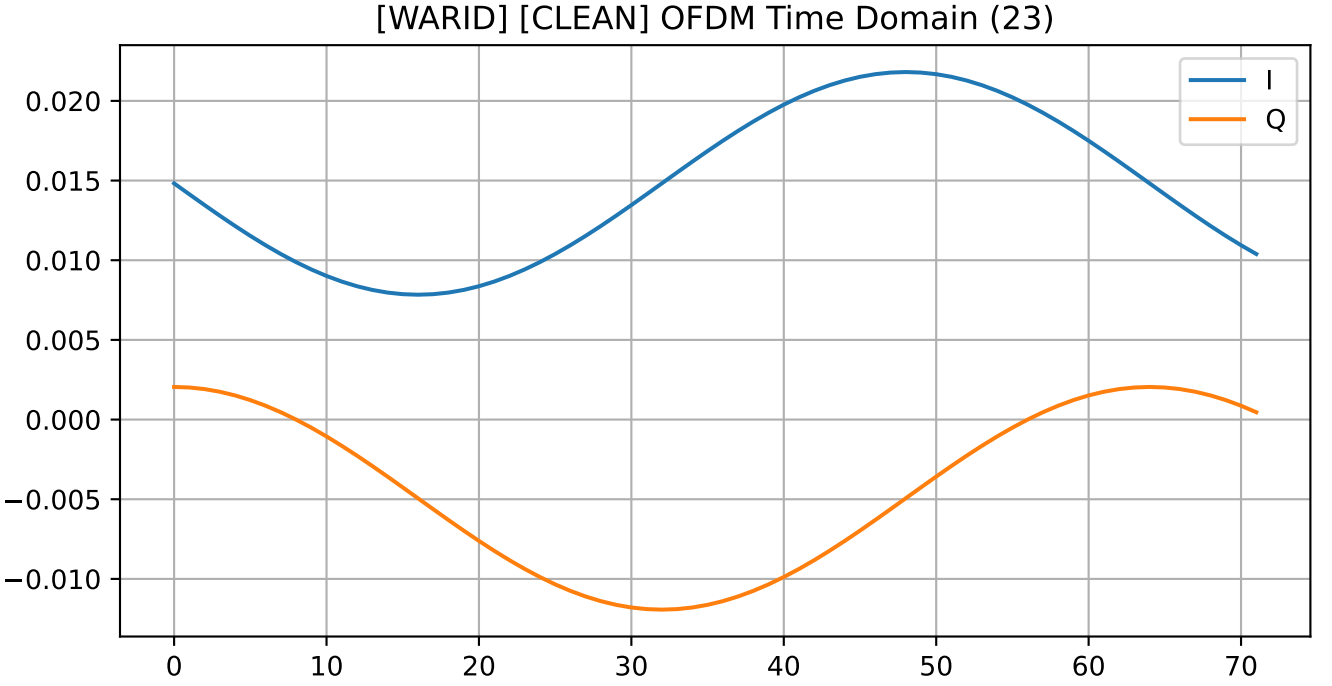
[WARID] [CLEAN] SNR (22)

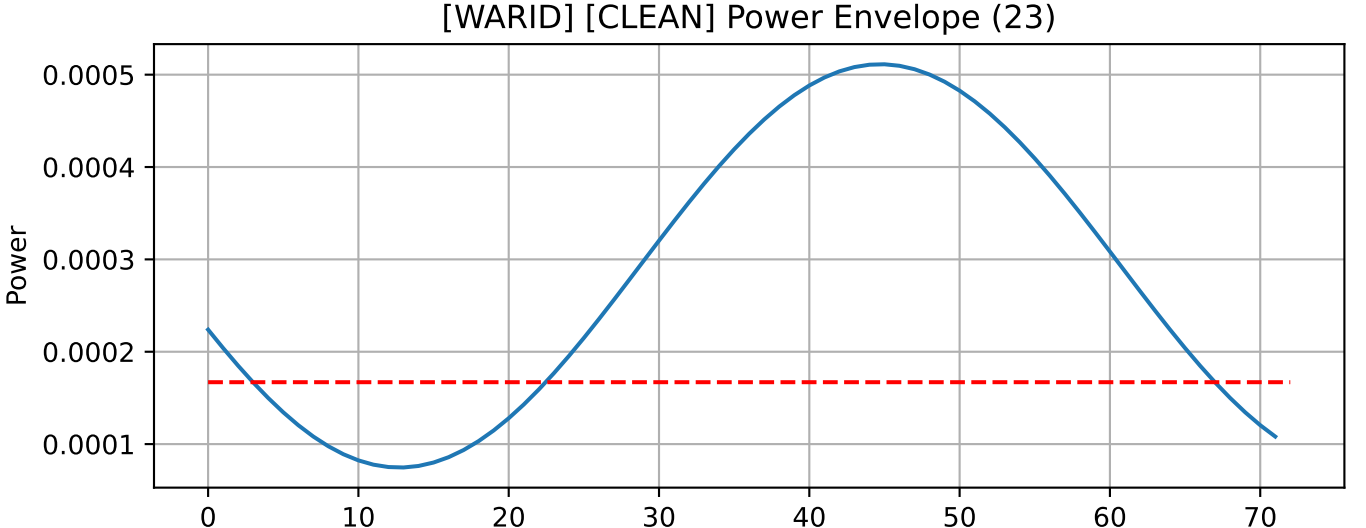


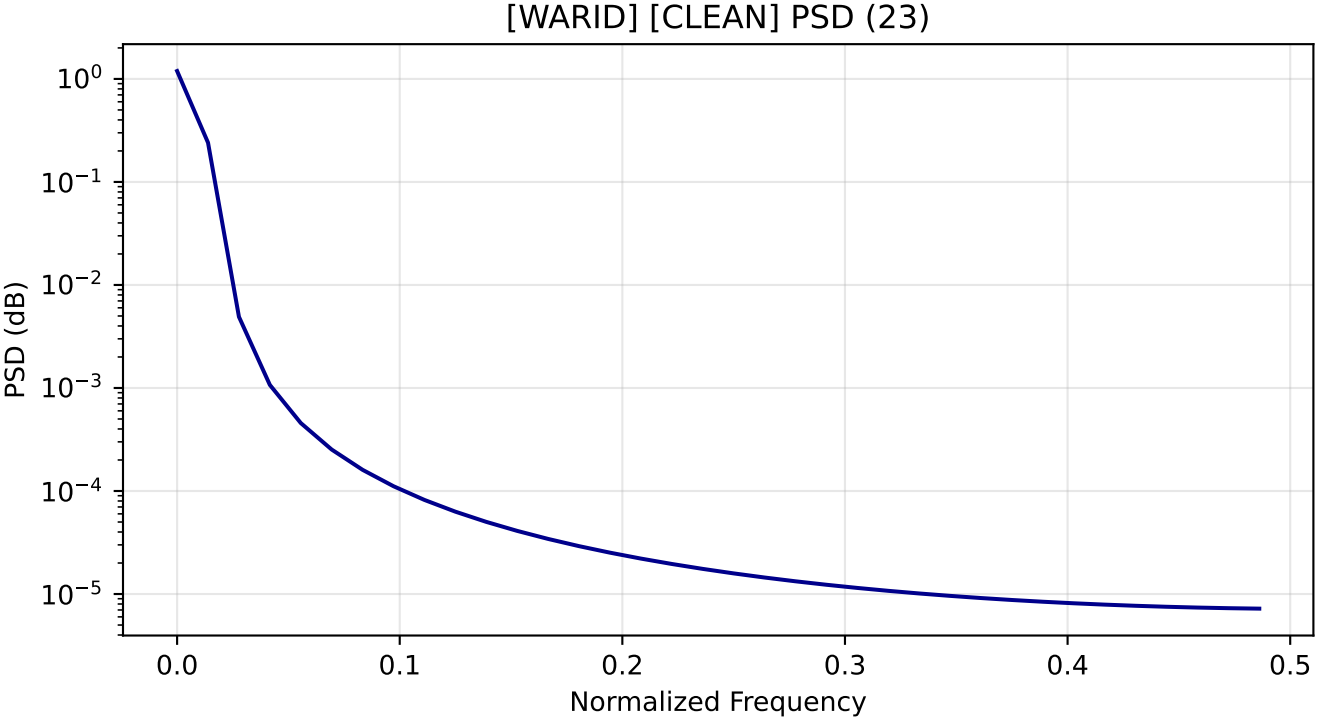

[WARID] Amplitude Dist (22)
Frequency
Amplitude
0.0
0.2
0.4
0.6
0.8
1.0
0.5
0.6
0.7
0.8
0.9
1.0


[WARID] Phase Dist (22)
Frequency
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.5
1.0
1.5
2.0
Phase (rad)

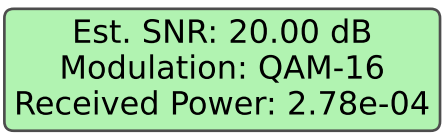

[WARID] [CLEAN] Constellation (23)
Msg: "y..."
Mod: QAM-16
NC: 64, CP: 8
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
−0.2
0.0
0.2
0.4
0.6
0.8
1.0

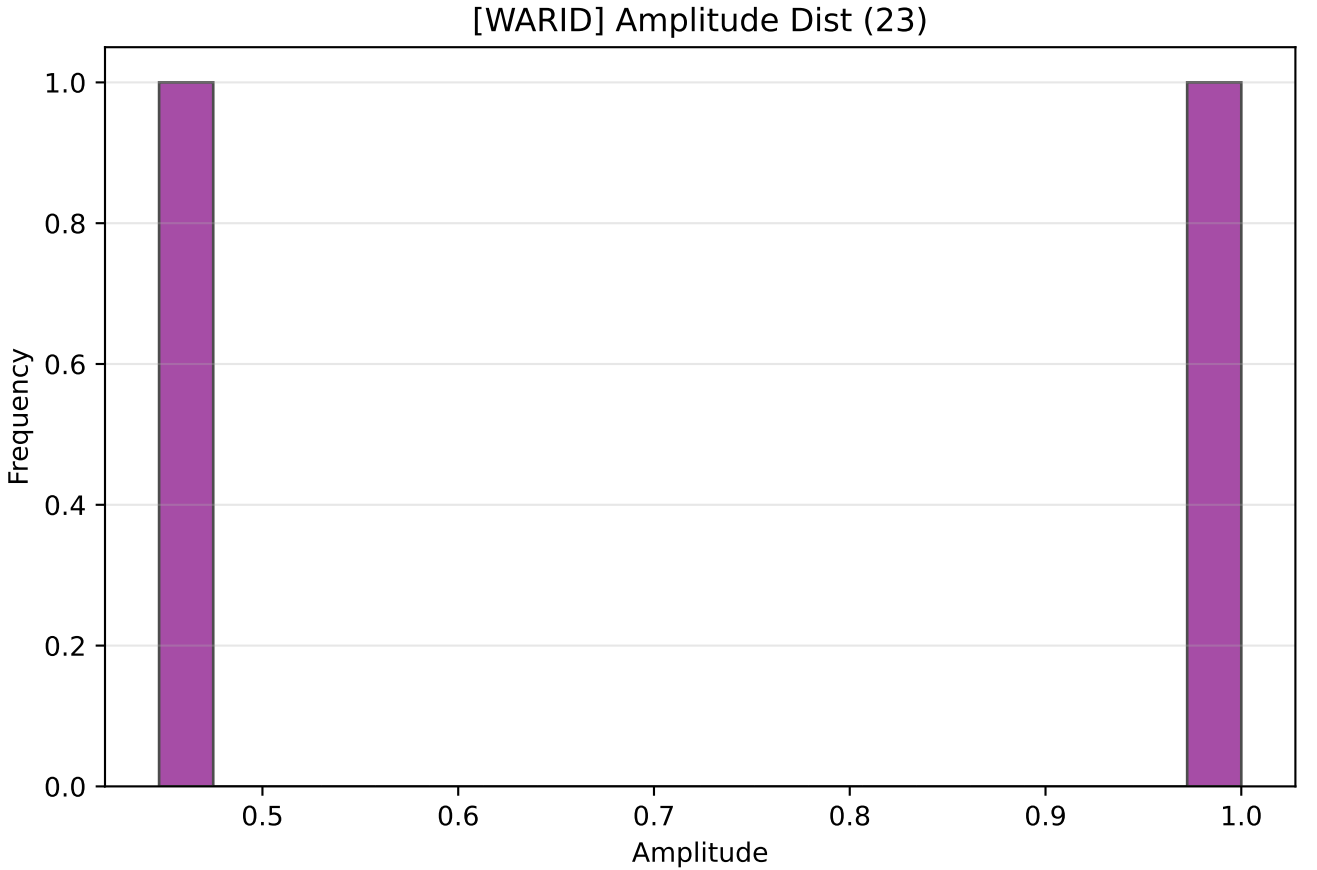

[WARID] [CLEAN] OFDM Time Domain (23)
I
Q
0.020
0.015
0.010
0.005
0.000
−0.005
−0.010
0
10
20
30
40
50
60
70

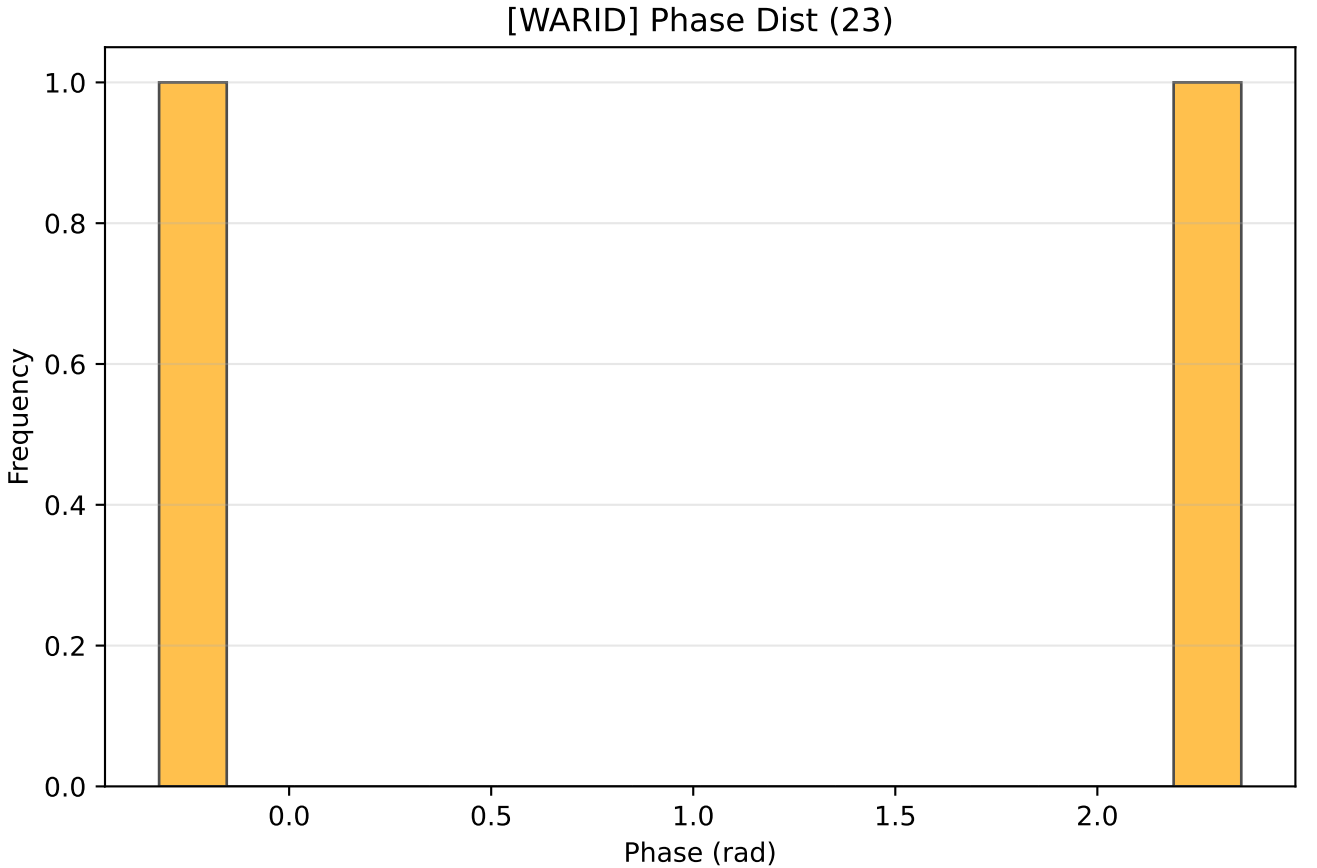

[WARID] [CLEAN] Power Envelope (23)
Power
0.0005
0.0004
0.0003
0.0002
0.0001
0
10
20
30
40
50
60
70

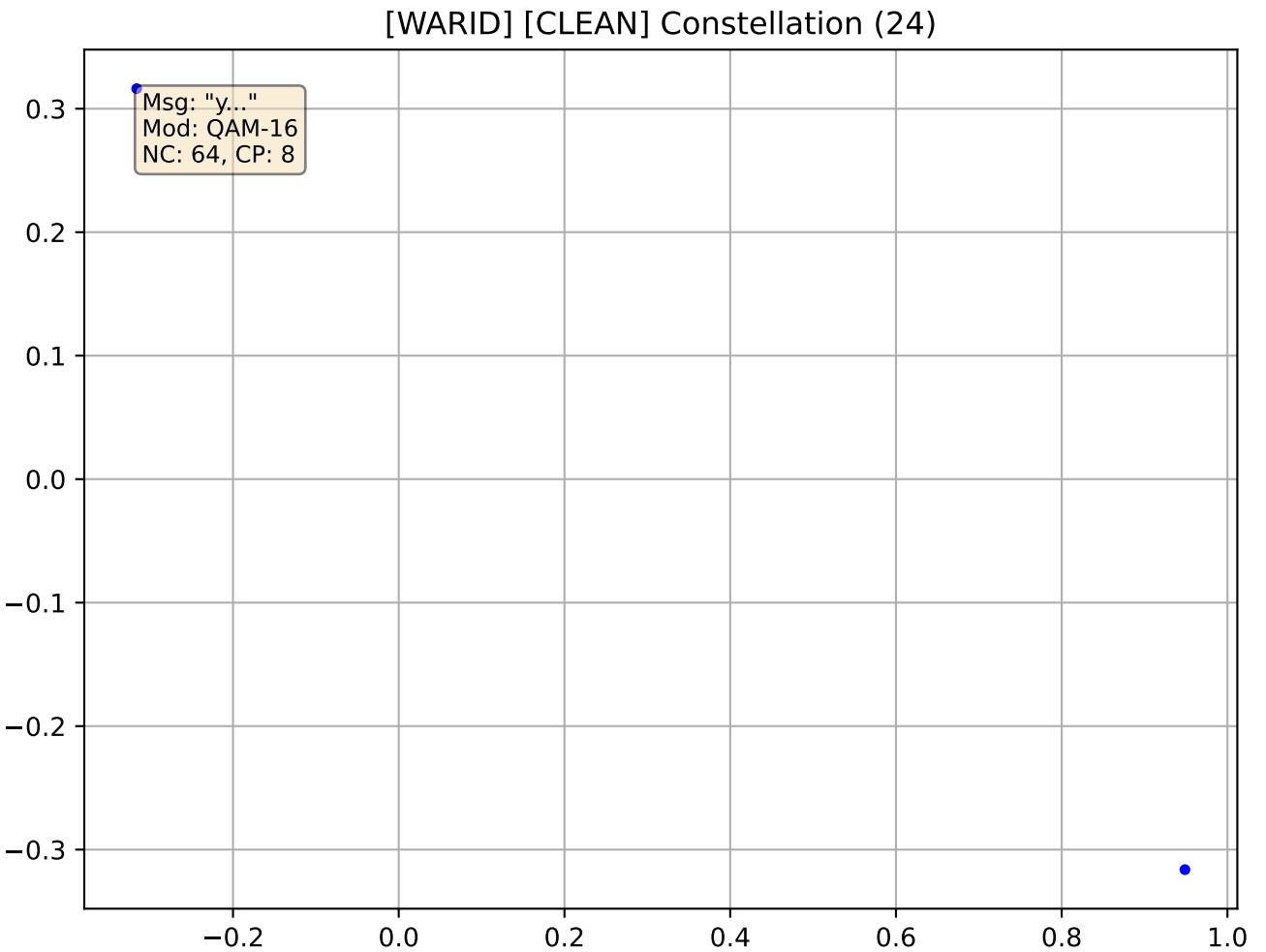

[WARID] [CLEAN] PSD (23)
PSD (dB)
10^{0}
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0.0
0.1
0.2
0.3
0.4
0.5
Normalized Frequency

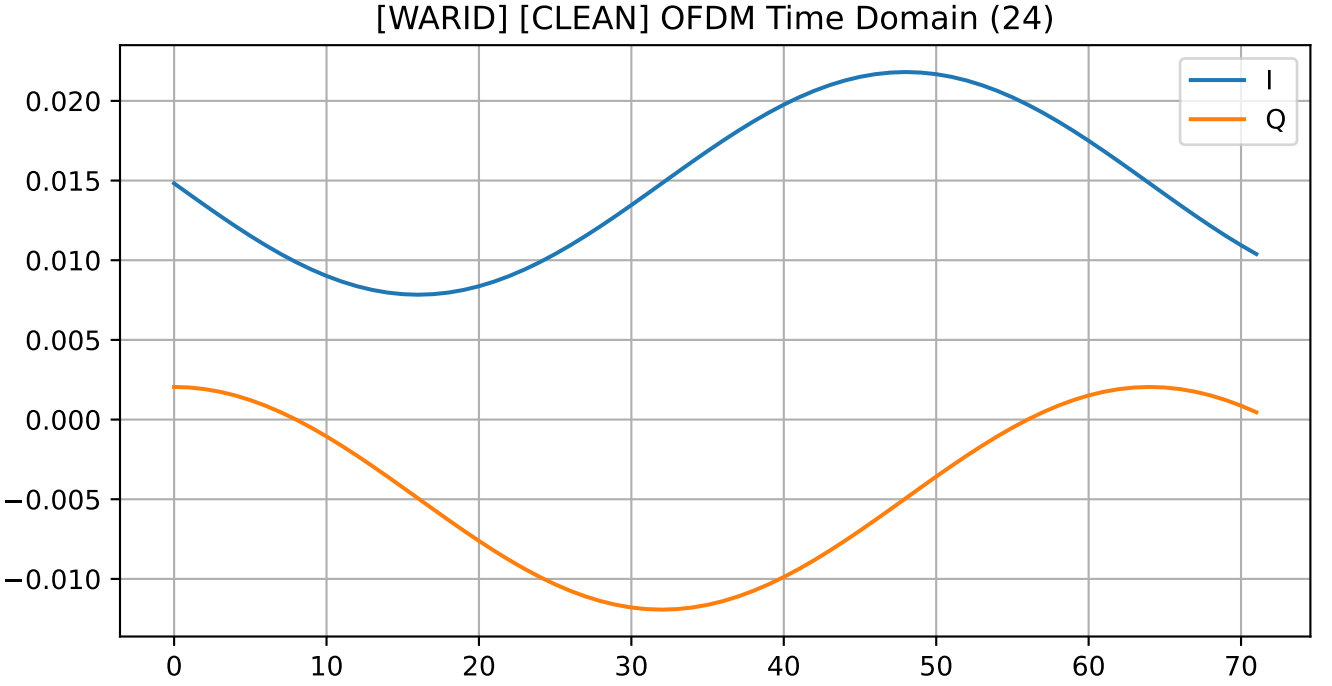
[WARID] [CLEAN] SNR (23)

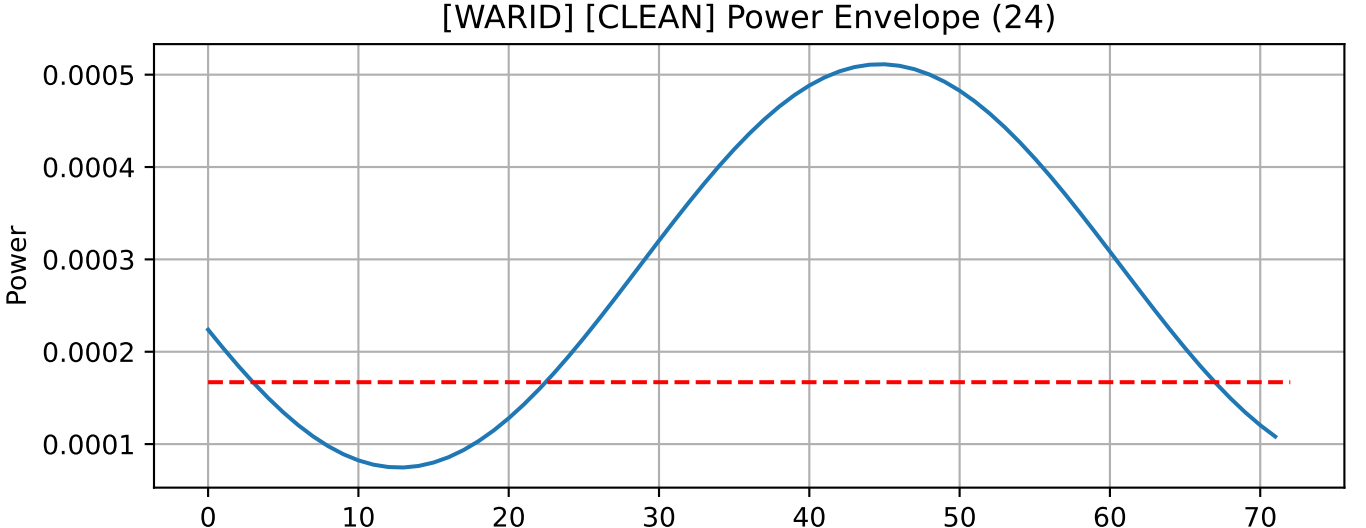


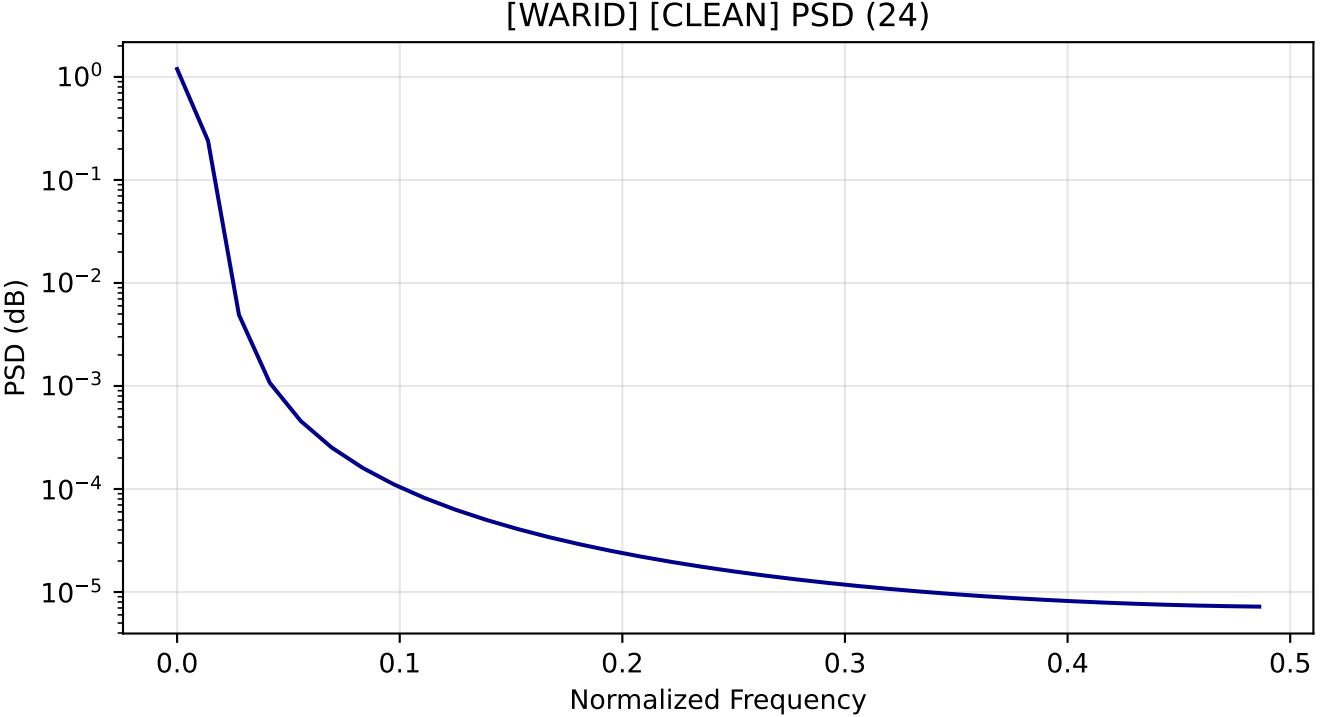

[WARID] Amplitude Dist (23)
Frequency
Amplitude
0.0
0.2
0.4
0.6
0.8
1.0
0.5
0.6
0.7
0.8
0.9
1.0


[WARID] Phase Dist (23)
Frequency
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.5
1.0
1.5
2.0
Phase (rad)


[WARID] [CLEAN] Constellation (24)
Msg: "y..."
Mod: QAM-16
NC: 64, CP: 8
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
−0.2
0.0
0.2
0.4
0.6
0.8
1.0

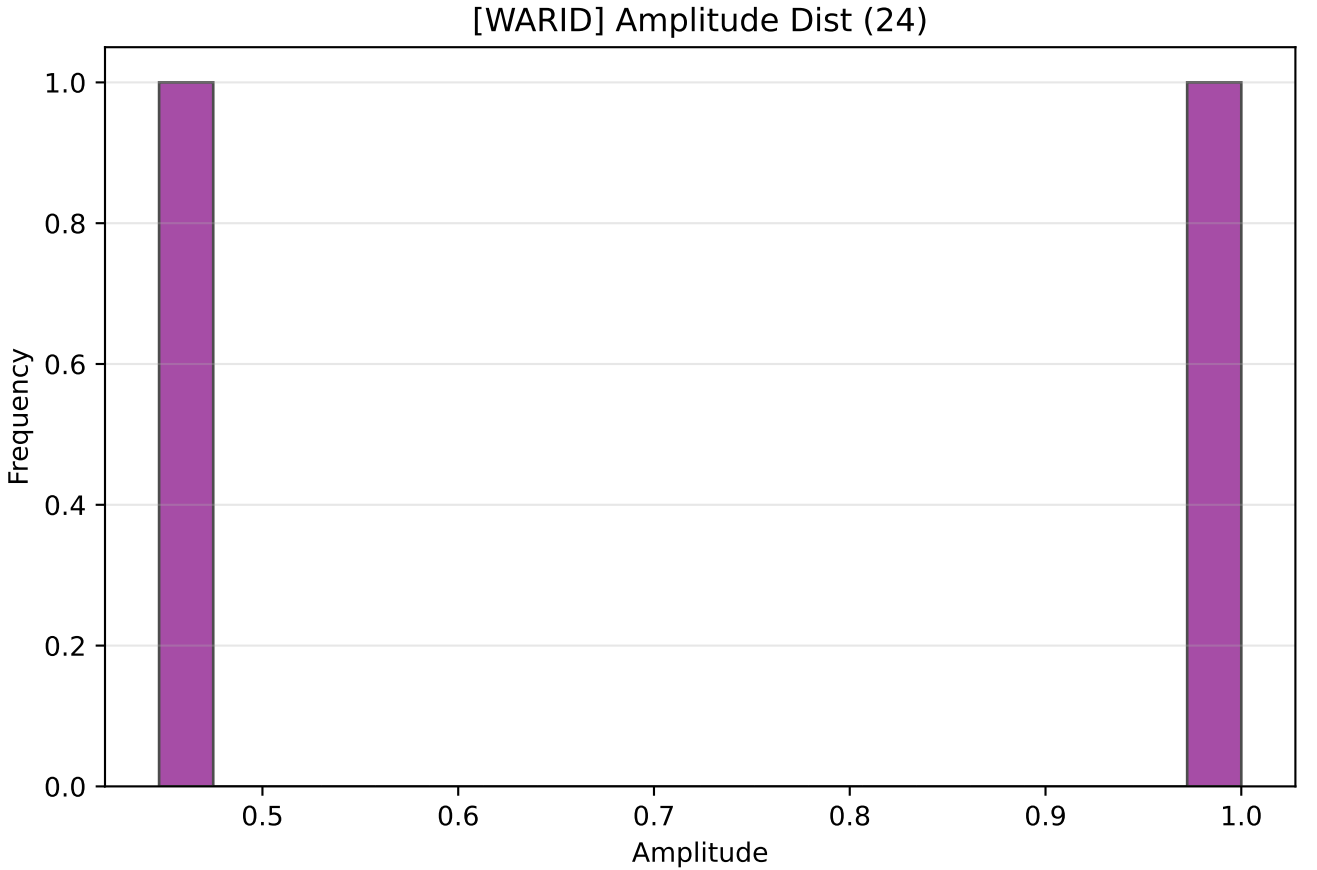

[WARID] [CLEAN] OFDM Time Domain (24)
I
Q
0.020
0.015
0.010
0.005
0.000
−0.005
−0.010
0
10
20
30
40
50
60
70

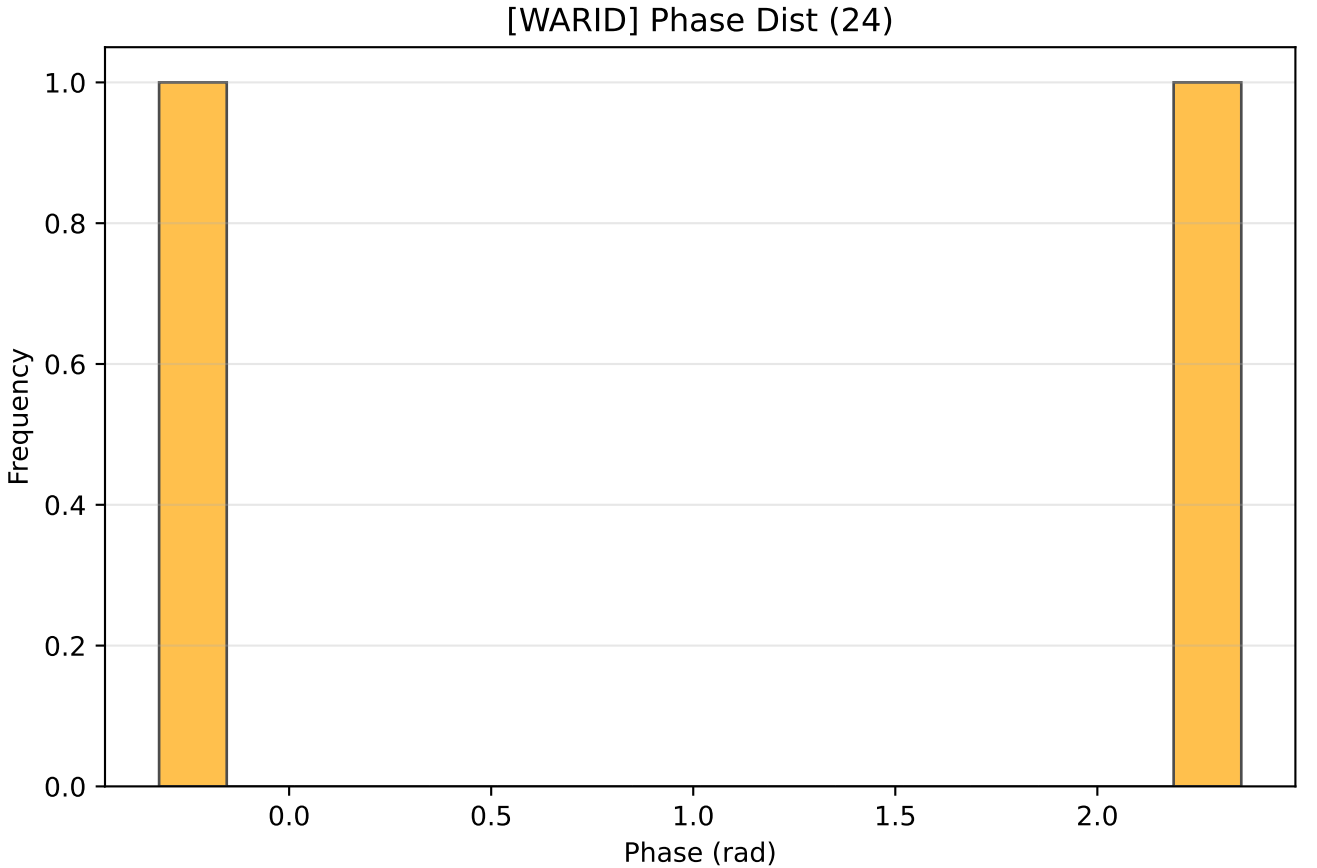

[WARID] [CLEAN] Power Envelope (24)
Power
0.0005
0.0004
0.0003
0.0002
0.0001
0
10
20
30
40
50
60
70

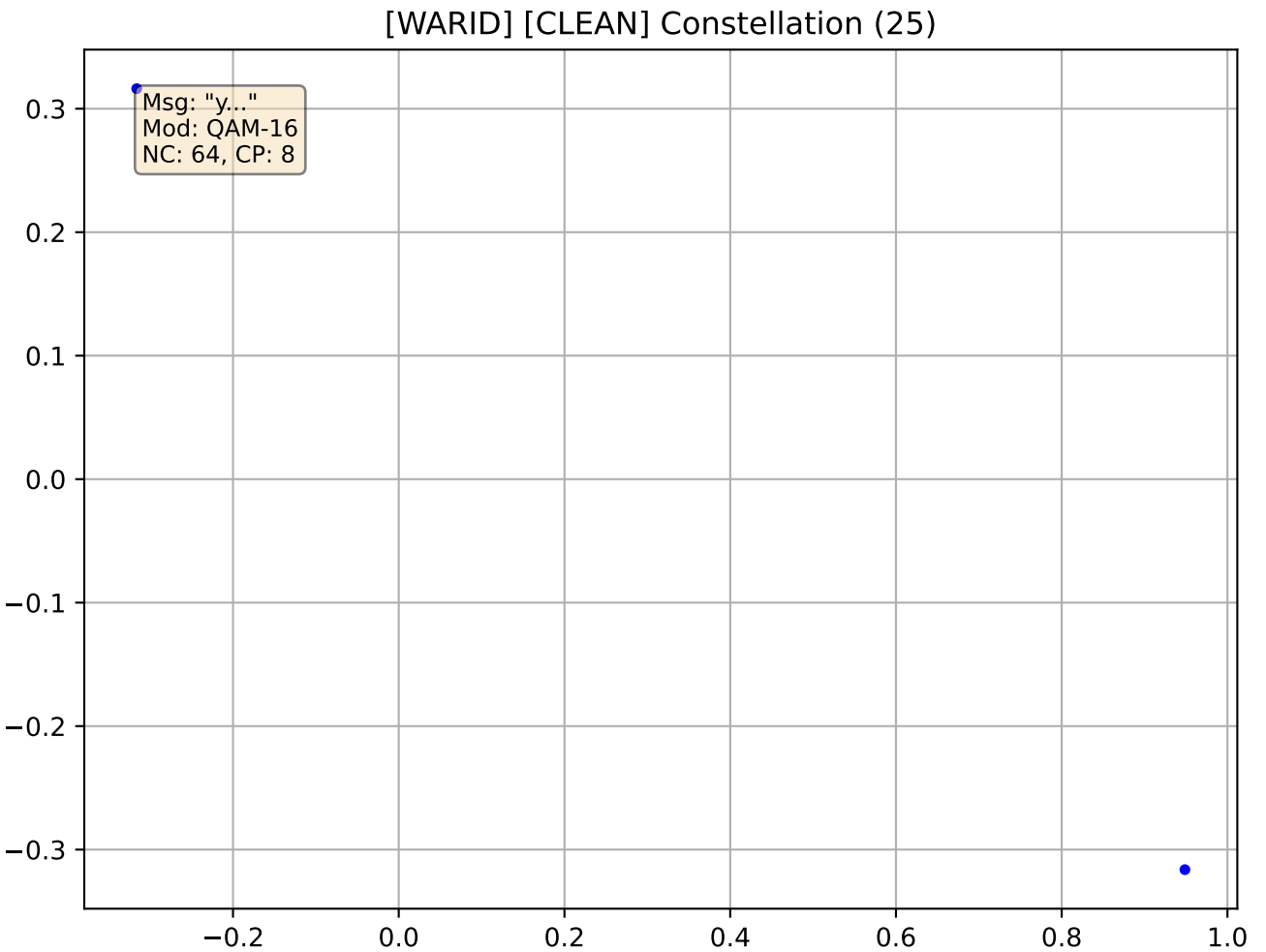

[WARID] [CLEAN] PSD (24)
PSD (dB)
10^{0}
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0.0
0.1
0.2
0.3
0.4
0.5
Normalized Frequency

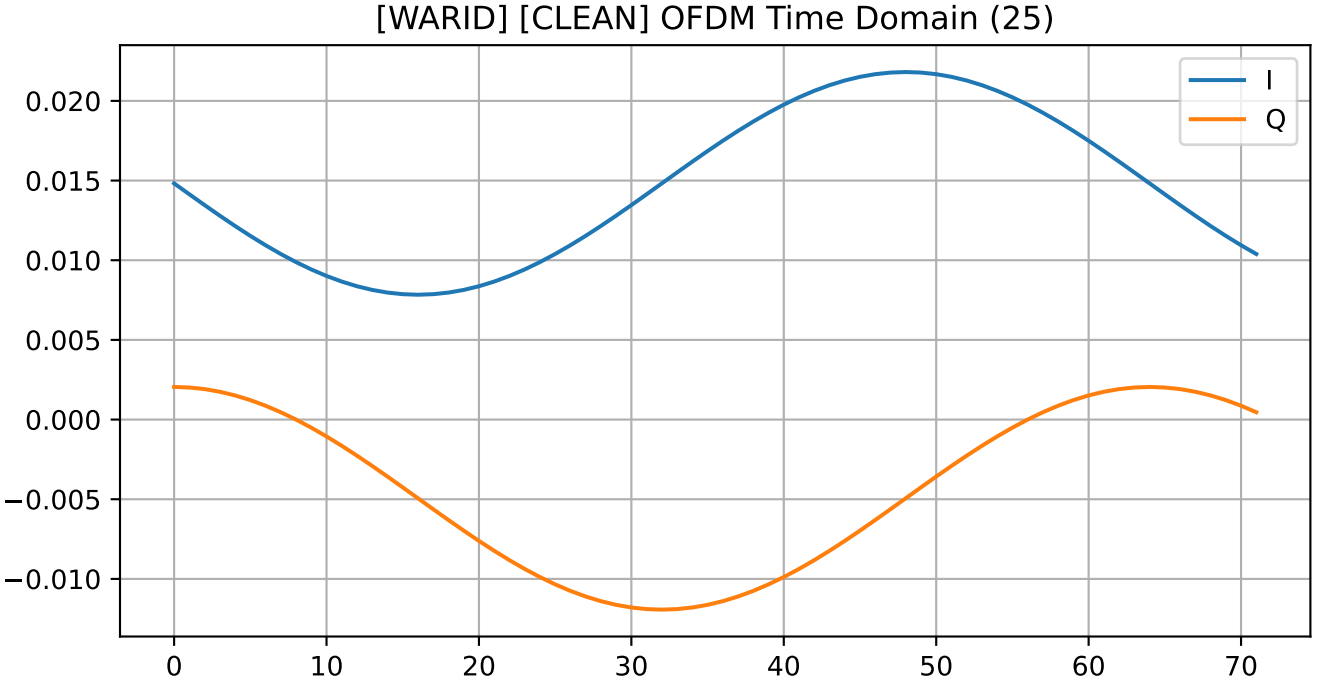
[WARID] [CLEAN] SNR (24)

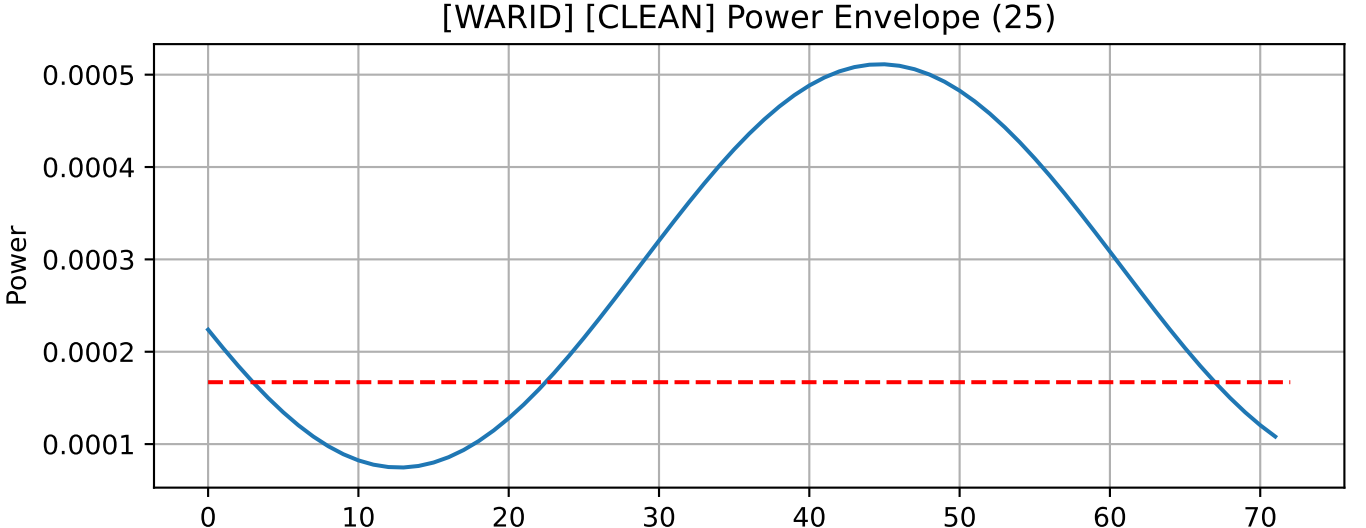
Est. SNR: 20.00 dB
Modulation: QAM-16
Received Power: 2.78e-04

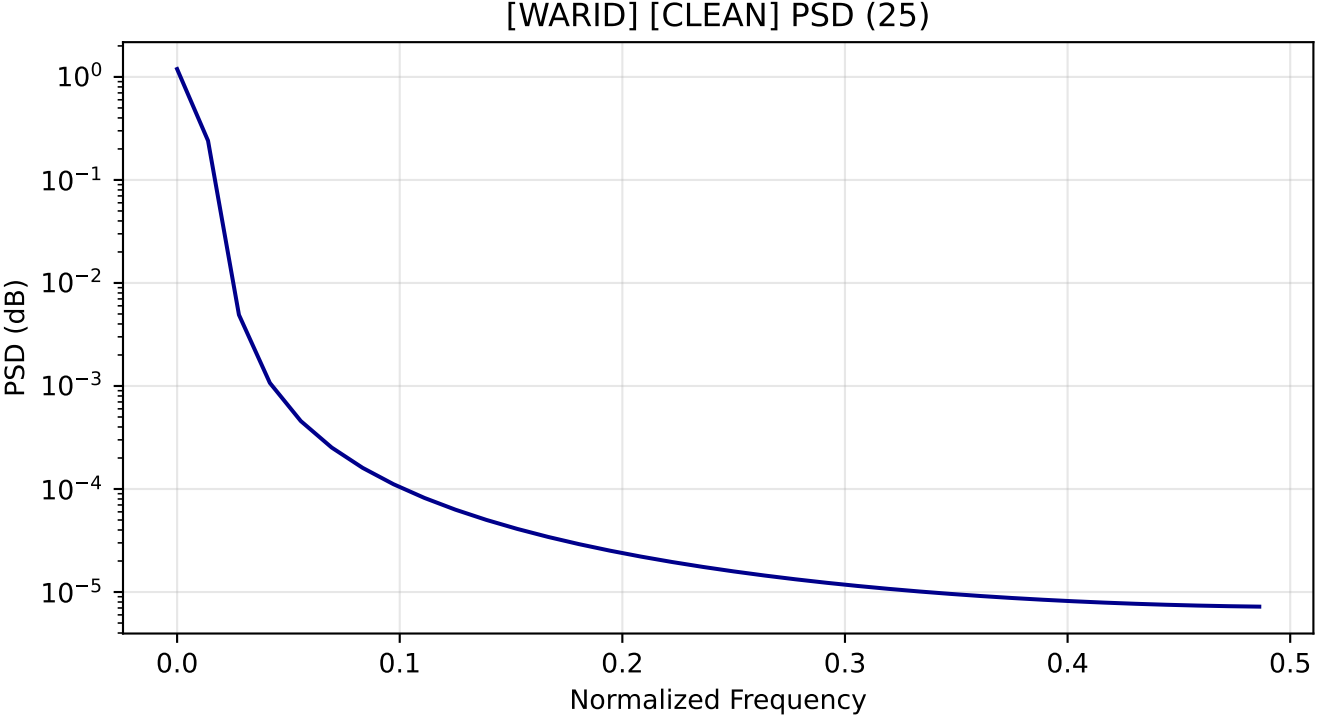

[WARID] Amplitude Dist (24)
Frequency
Amplitude
0.0
0.2
0.4
0.6
0.8
1.0
0.5
0.6
0.7
0.8
0.9
1.0


[WARID] Phase Dist (24)
Frequency
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.5
1.0
1.5
2.0
Phase (rad)

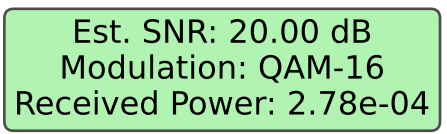

[WARID] [CLEAN] Constellation (25)
Msg: "y..."
Mod: QAM-16
NC: 64, CP: 8
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
−0.2
0.0
0.2
0.4
0.6
0.8
1.0

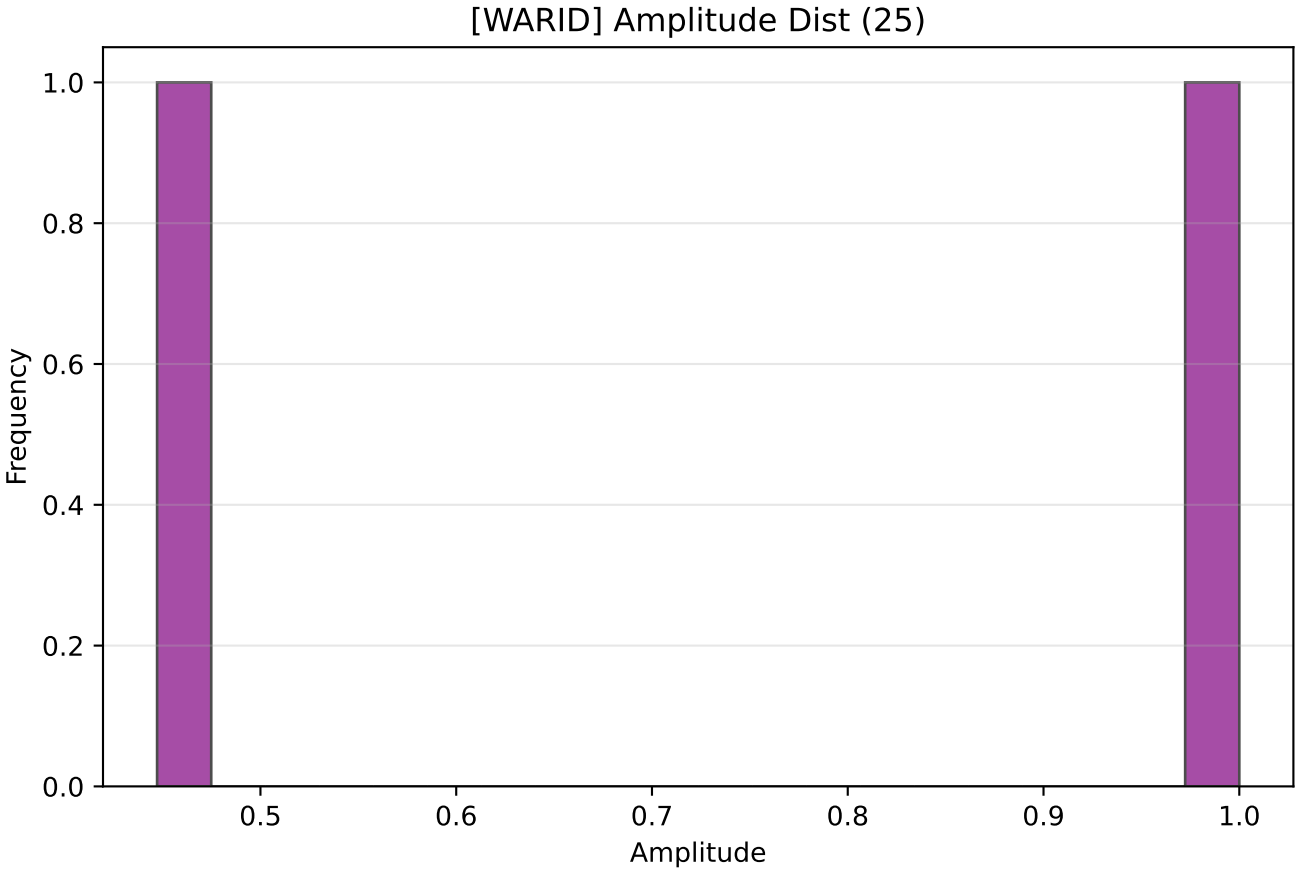

[WARID] [CLEAN] OFDM Time Domain (25)
I
Q
0.020
0.015
0.010
0.005
0.000
−0.005
−0.010
0
10
20
30
40
50
60
70

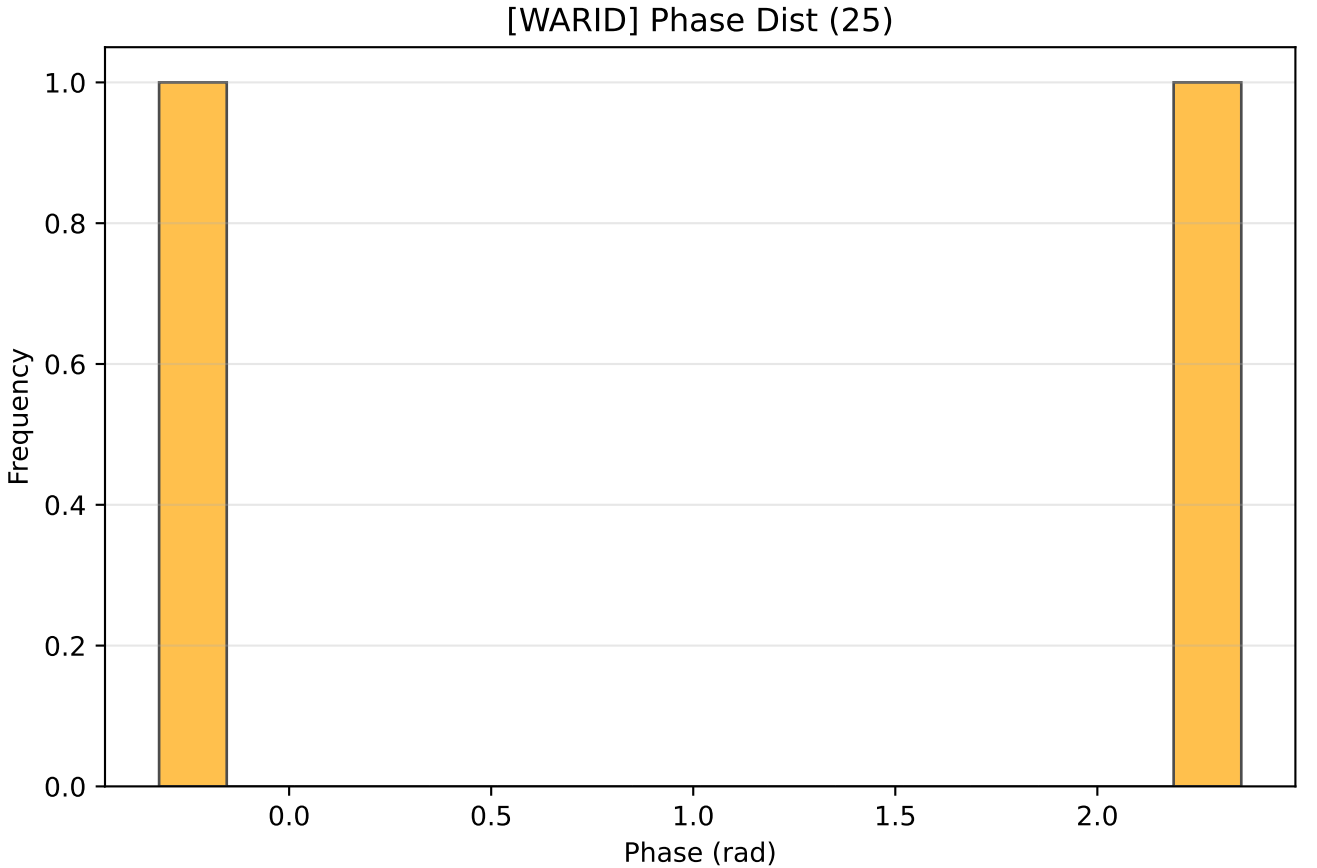

[WARID] [CLEAN] Power Envelope (25)
Power
0.0005
0.0004
0.0003
0.0002
0.0001
0
10
20
30
40
50
60
70

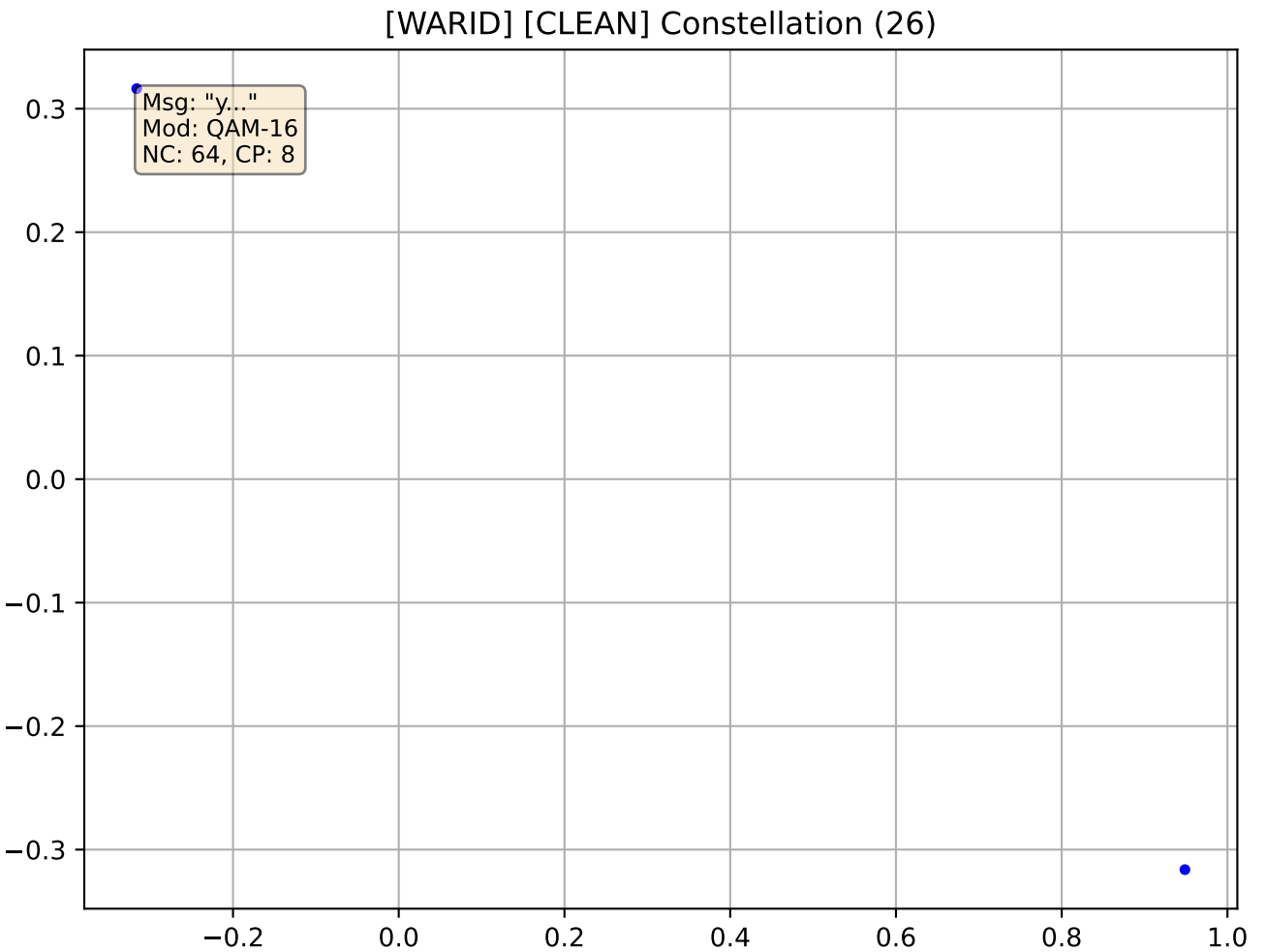

[WARID] [CLEAN] PSD (25)
PSD (dB)
10^{0}
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0.0
0.1
0.2
0.3
0.4
0.5
Normalized Frequency

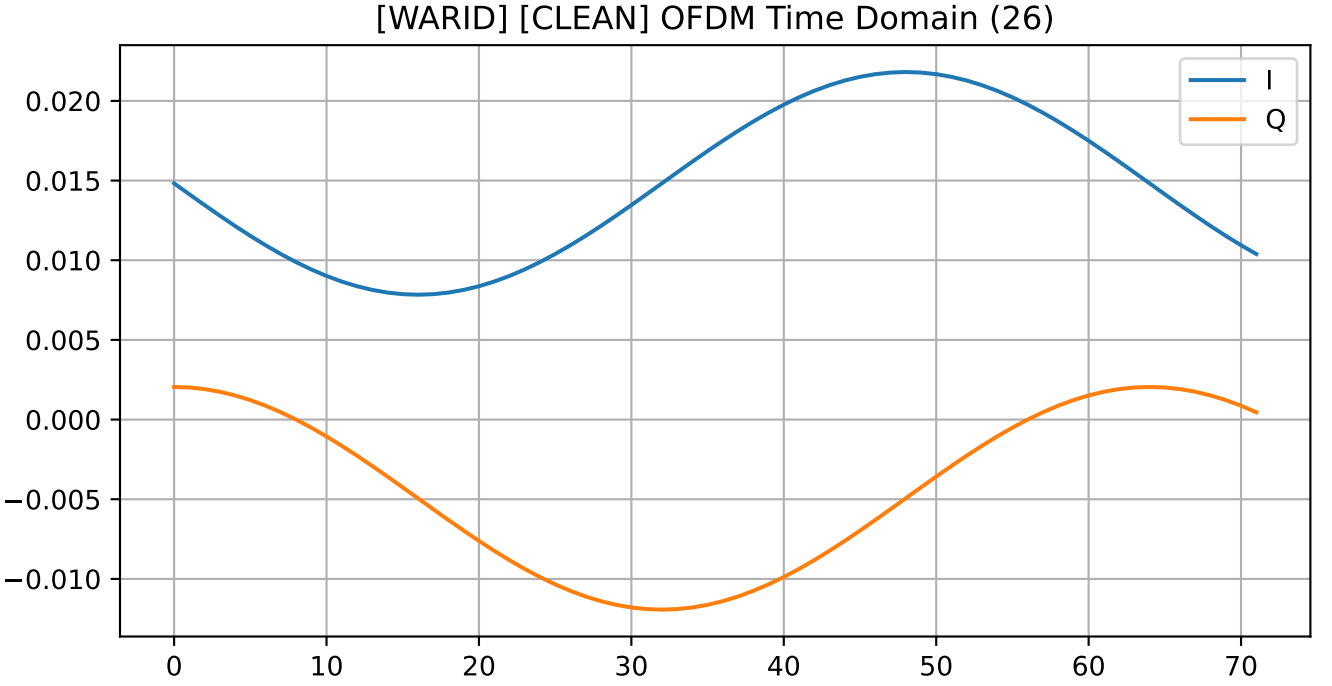
[WARID] [CLEAN] SNR (25)

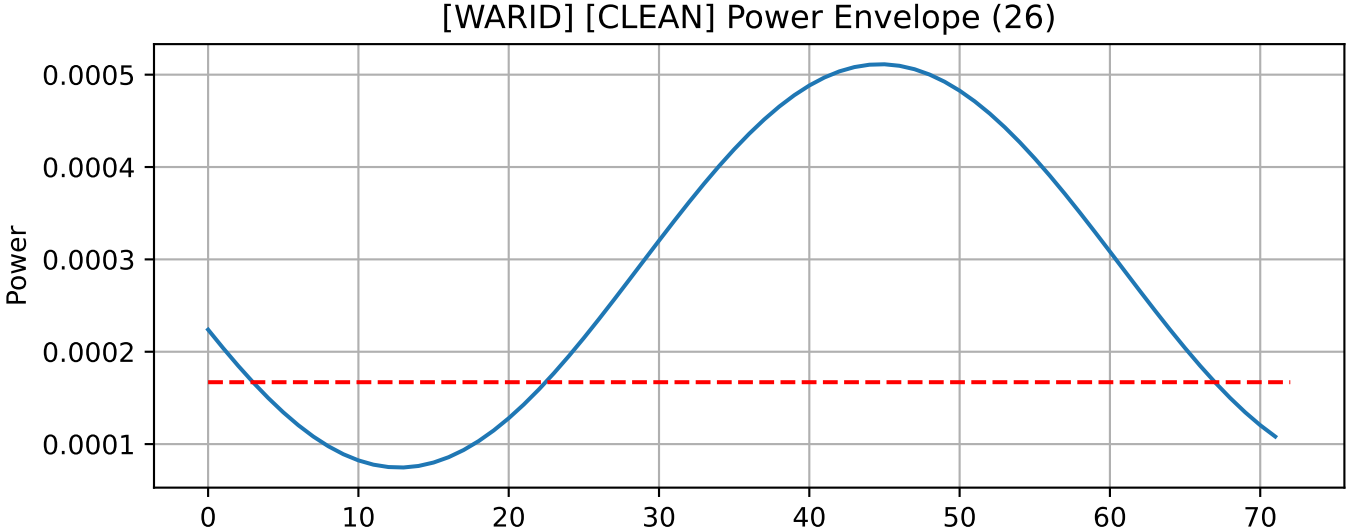


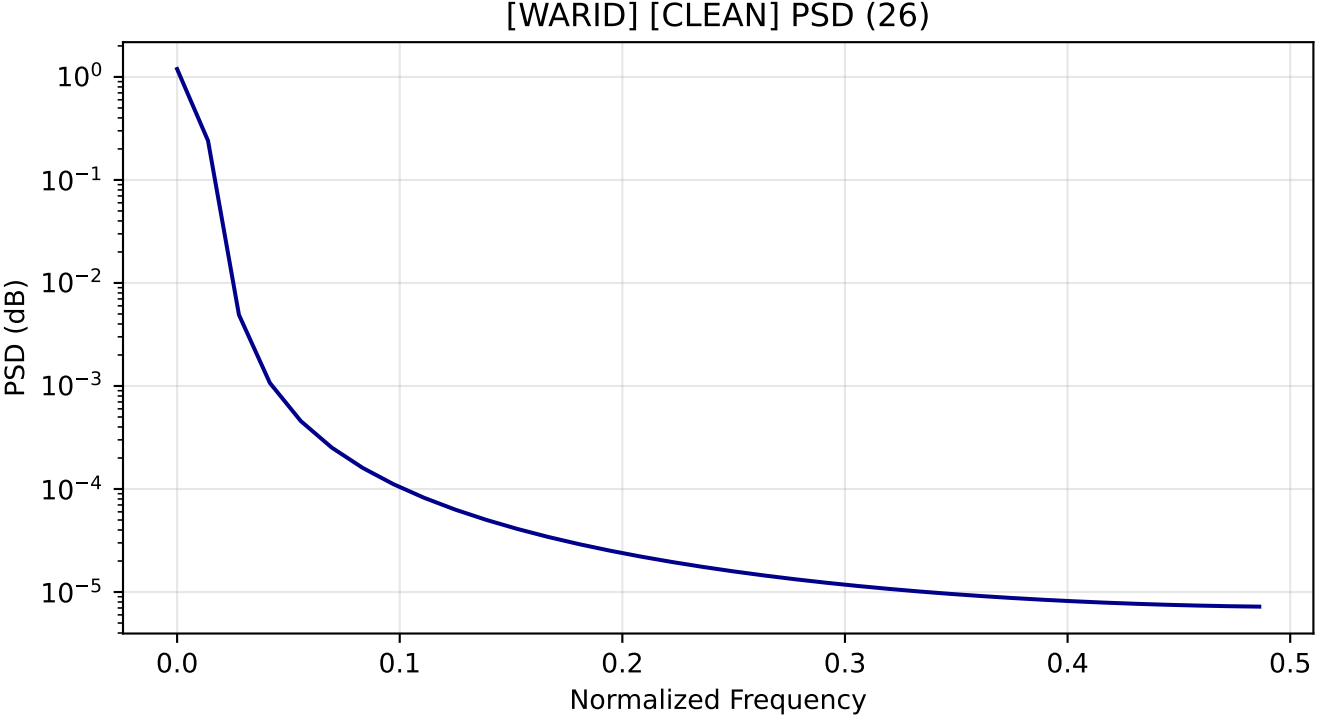

[WARID] Amplitude Dist (25)
Frequency
Amplitude
0.0
0.2
0.4
0.6
0.8
1.0
0.5
0.6
0.7
0.8
0.9
1.0


[WARID] Phase Dist (25)
Frequency
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.5
1.0
1.5
2.0
Phase (rad)

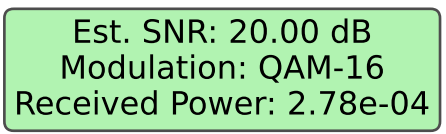

[WARID] [CLEAN] Constellation (26)
Msg: "y..."
Mod: QAM-16
NC: 64, CP: 8
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
−0.2
0.0
0.2
0.4
0.6
0.8
1.0

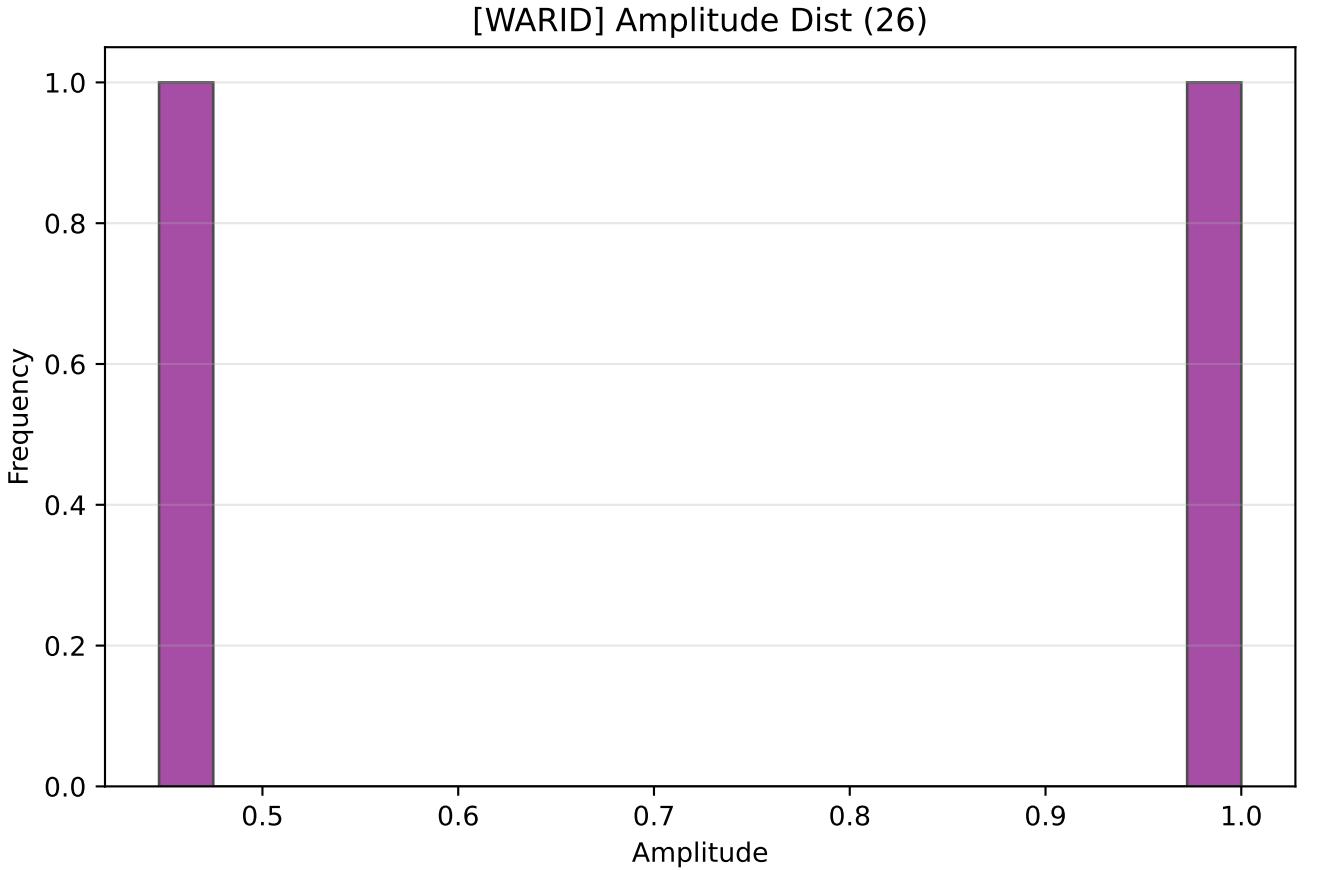

[WARID] [CLEAN] OFDM Time Domain (26)
I
Q
0.020
0.015
0.010
0.005
0.000
−0.005
−0.010
0
10
20
30
40
50
60
70

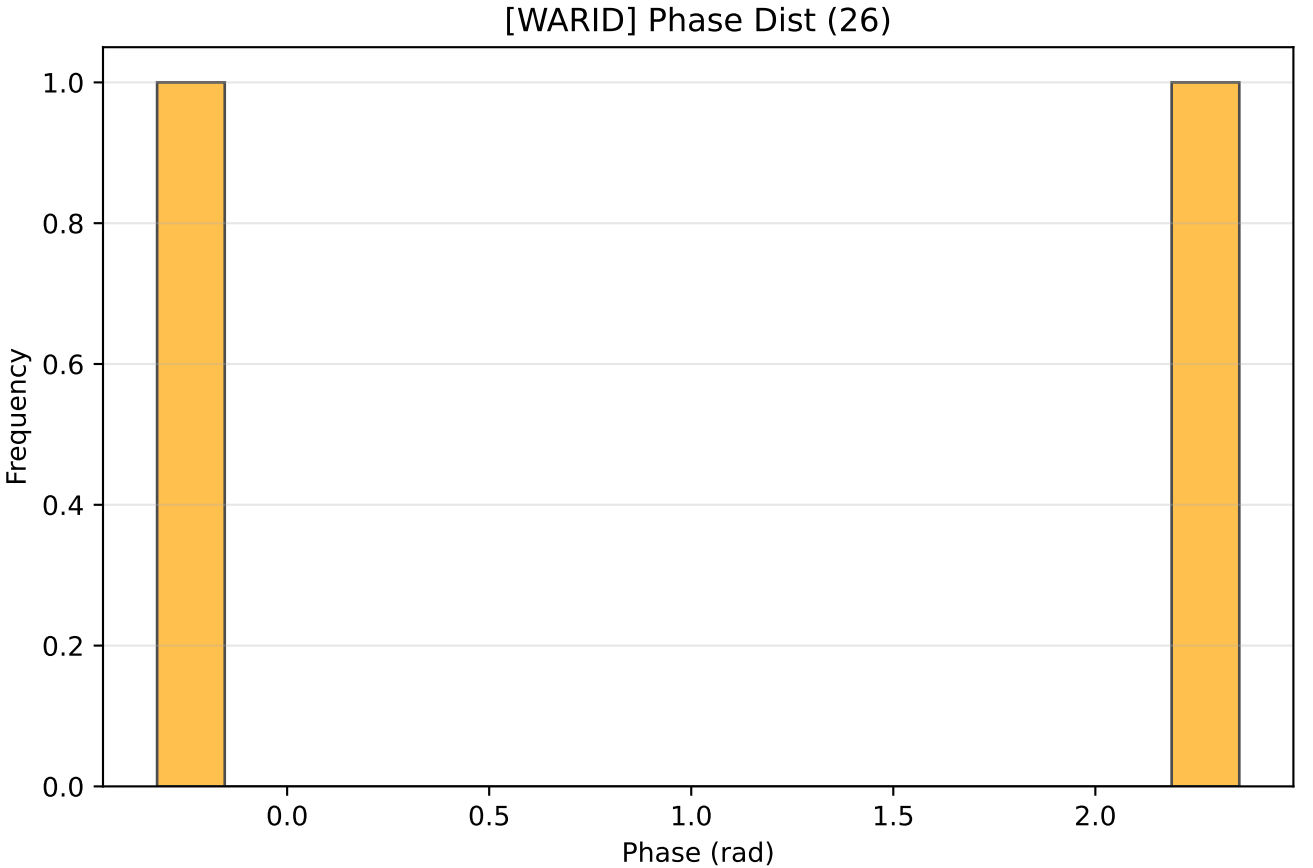

[WARID] [CLEAN] Power Envelope (26)
Power
0.0005
0.0004
0.0003
0.0002
0.0001
0
10
20
30
40
50
60
70

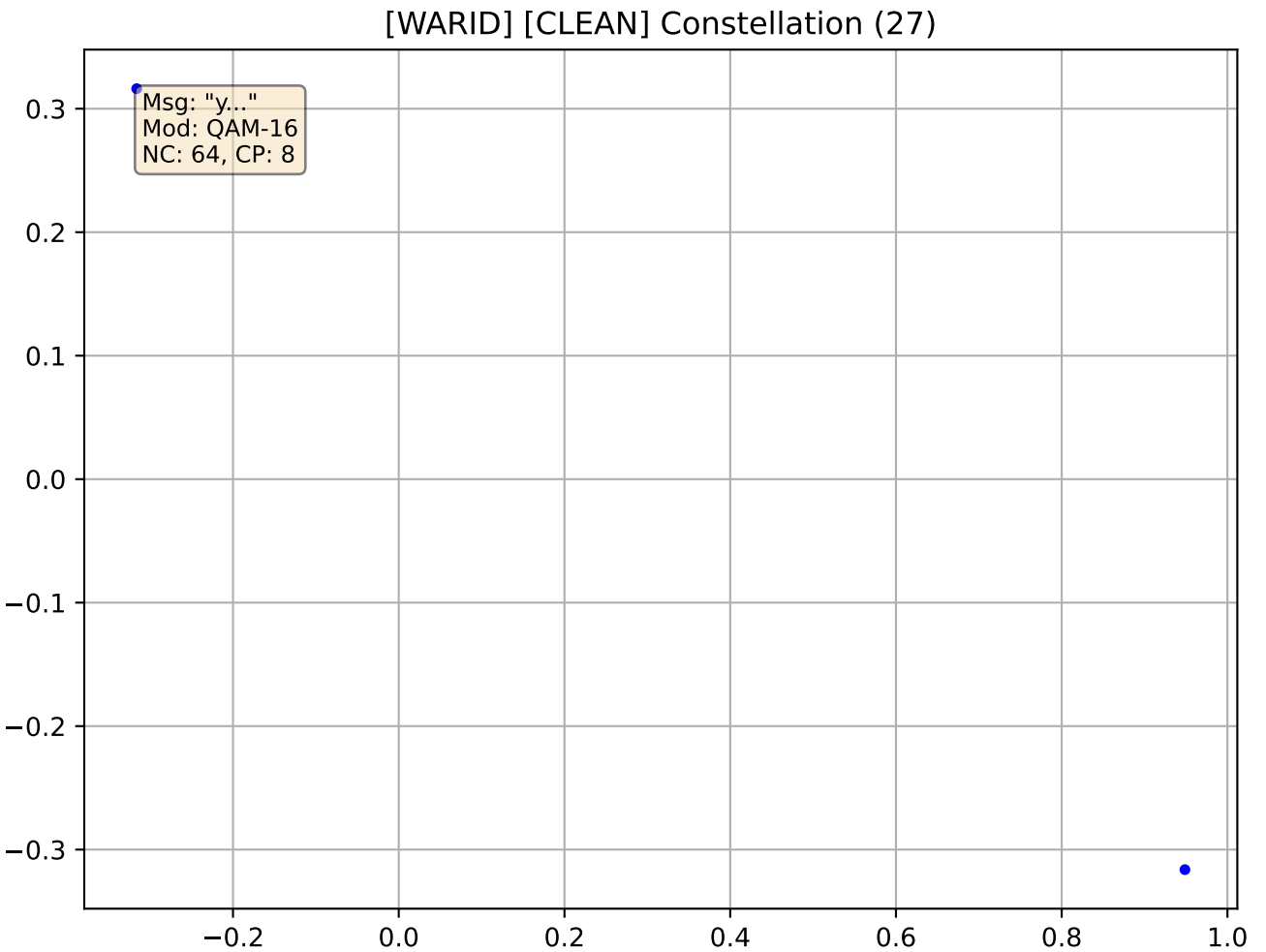

[WARID] [CLEAN] PSD (26)
PSD (dB)
10^{0}
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0.0
0.1
0.2
0.3
0.4
0.5
Normalized Frequency

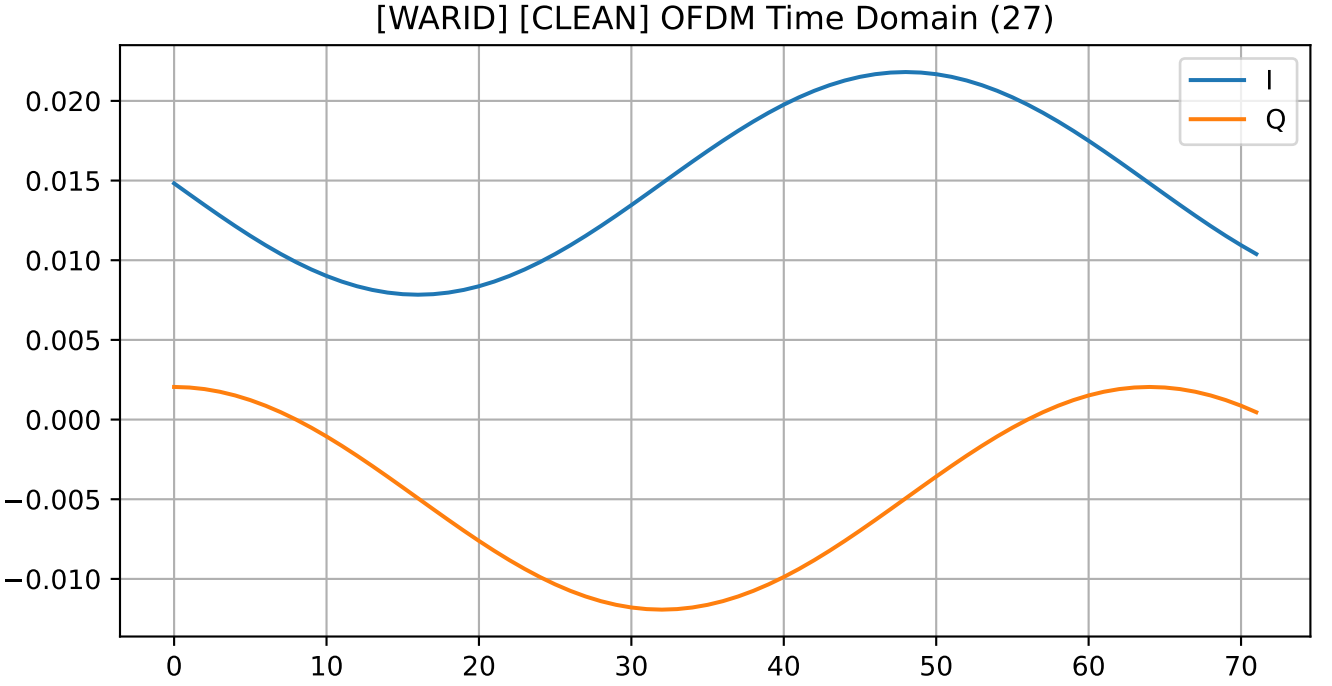
[WARID] [CLEAN] SNR (26)

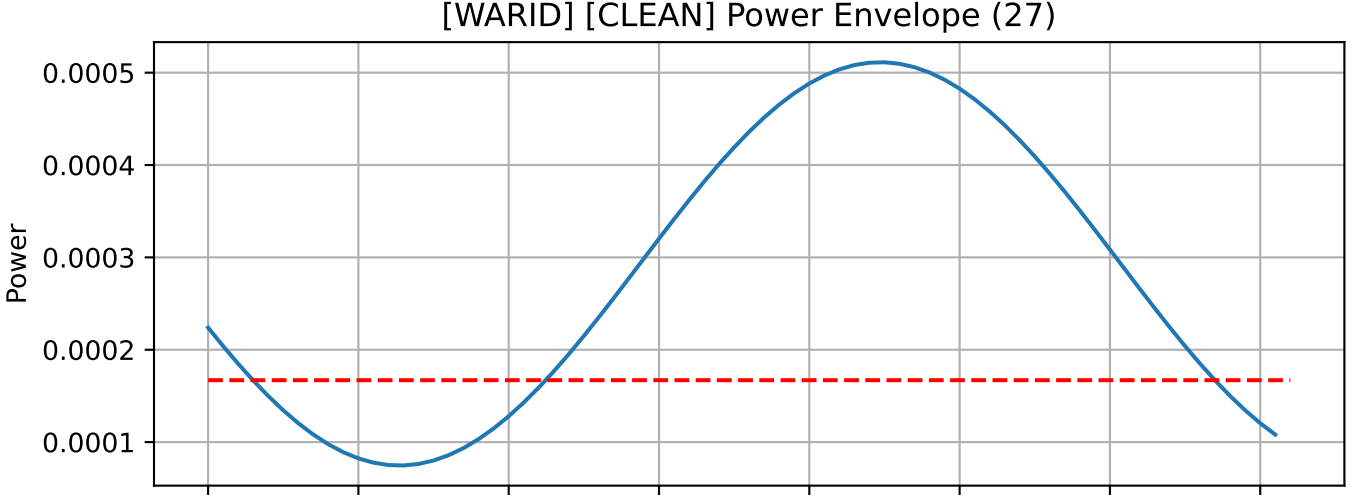


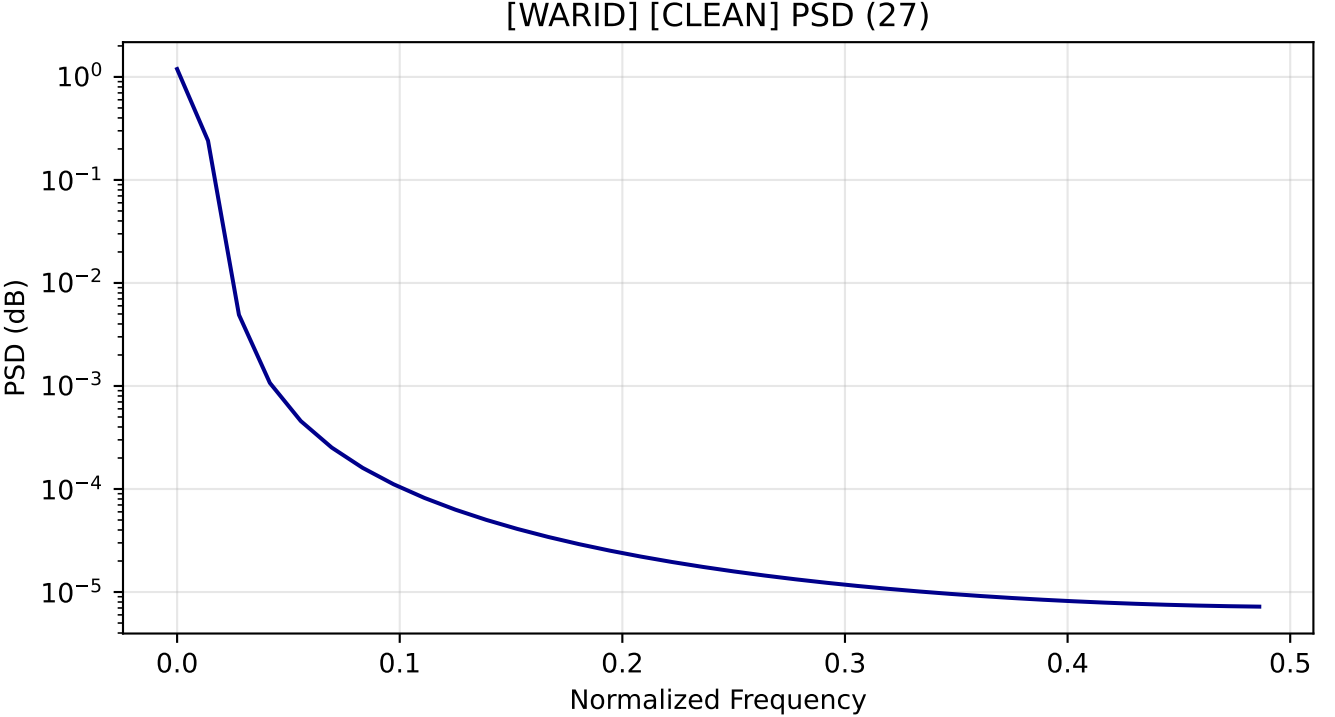

[WARID] Amplitude Dist (26)
Frequency
Amplitude
0.0
0.2
0.4
0.6
0.8
1.0
0.5
0.6
0.7
0.8
0.9
1.0


[WARID] Phase Dist (26)
Frequency
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.5
1.0
1.5
2.0
Phase (rad)

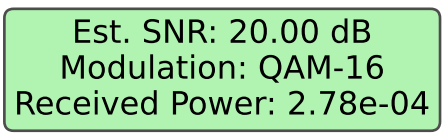

[WARID] [CLEAN] Constellation (27)
Msg: "y..."
Mod: QAM-16
NC: 64, CP: 8
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
−0.2
0.0
0.2
0.4
0.6
0.8
1.0

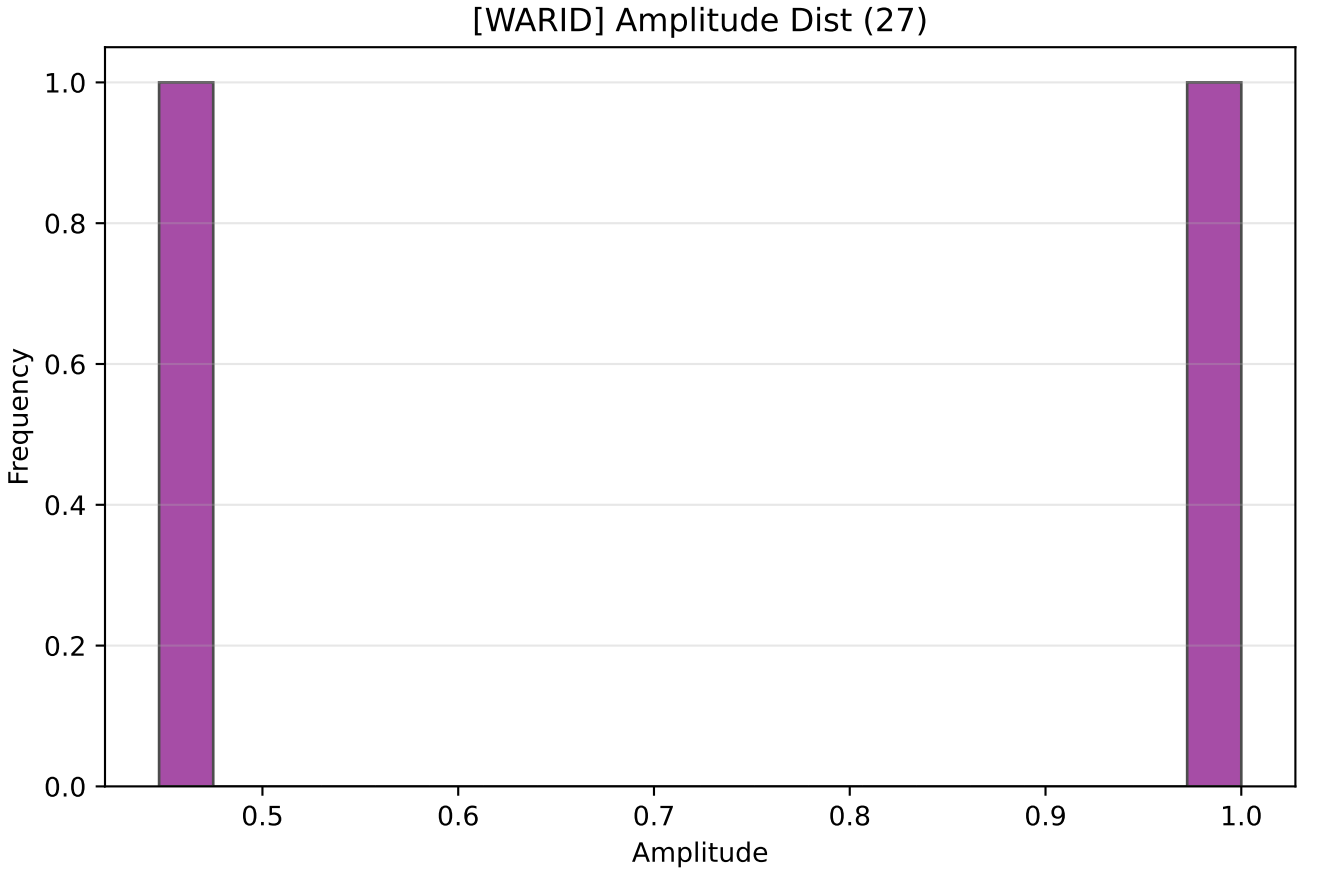

[WARID] [CLEAN] OFDM Time Domain (27)
I
Q
0.020
0.015
0.010
0.005
0.000
−0.005
−0.010
0
10
20
30
40
50
60
70

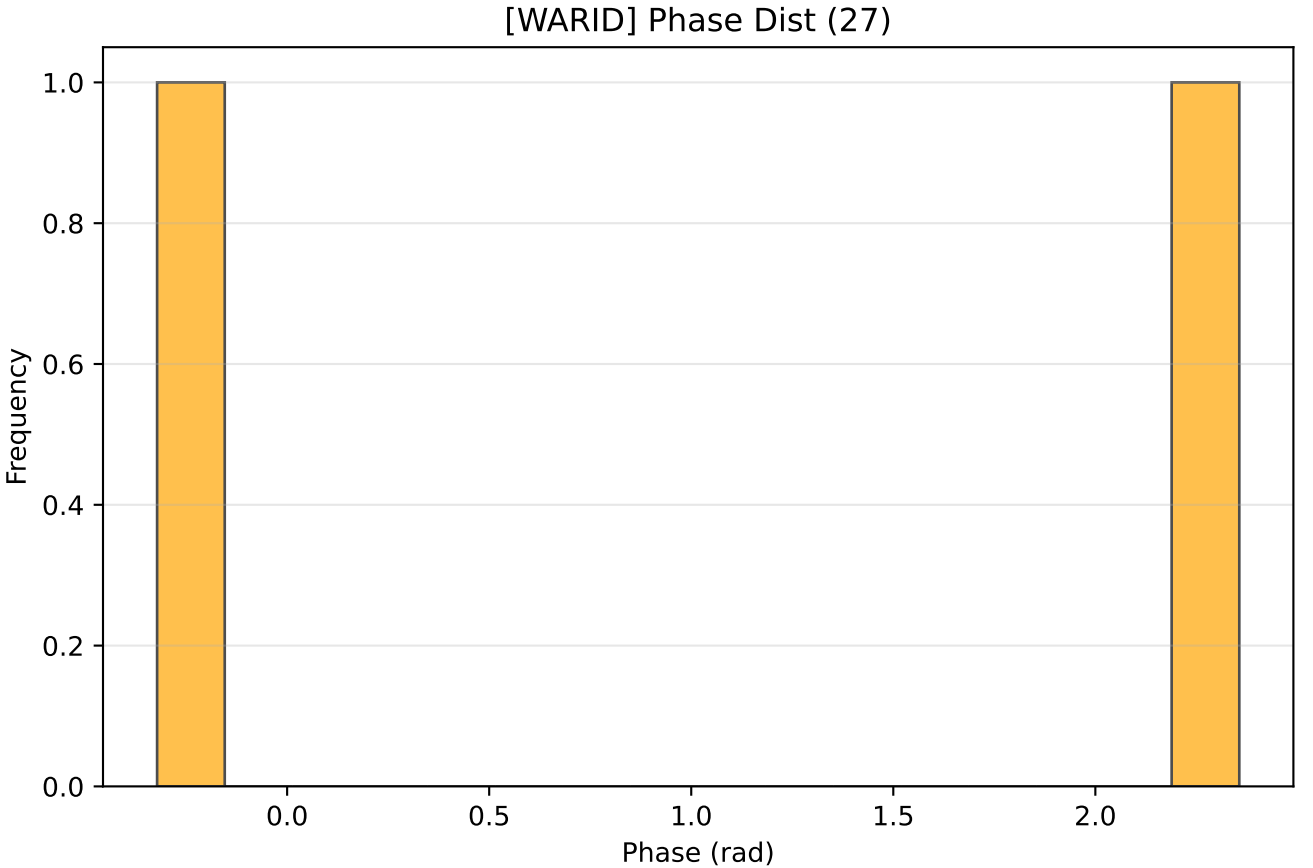

[WARID] [CLEAN] Power Envelope (27)
Power
0.0005
0.0004
0.0003
0.0002
0.0001
0
10
20
30
40
50
60
70

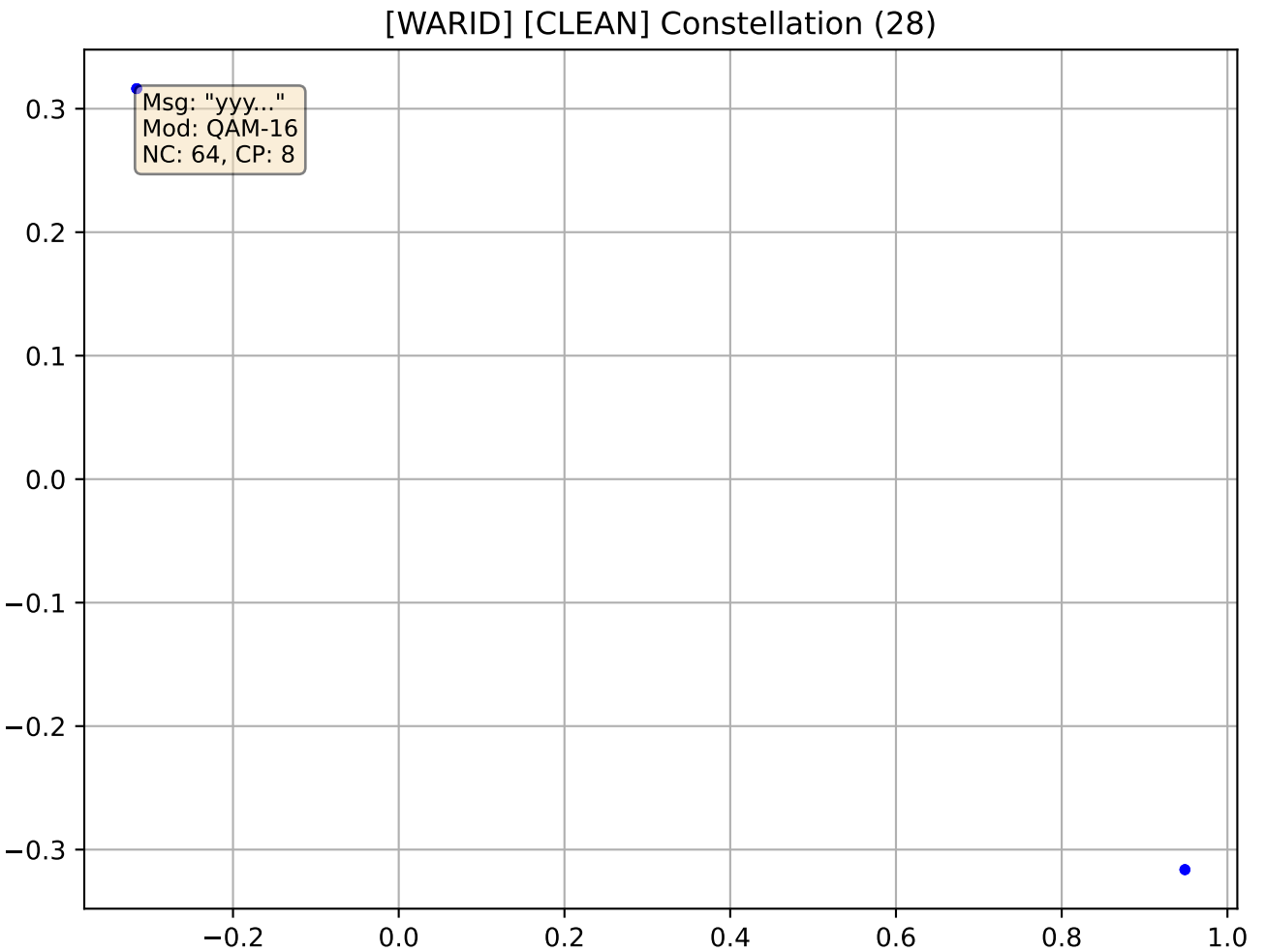

[WARID] [CLEAN] PSD (27)
PSD (dB)
10^{0}
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0.0
0.1
0.2
0.3
0.4
0.5
Normalized Frequency

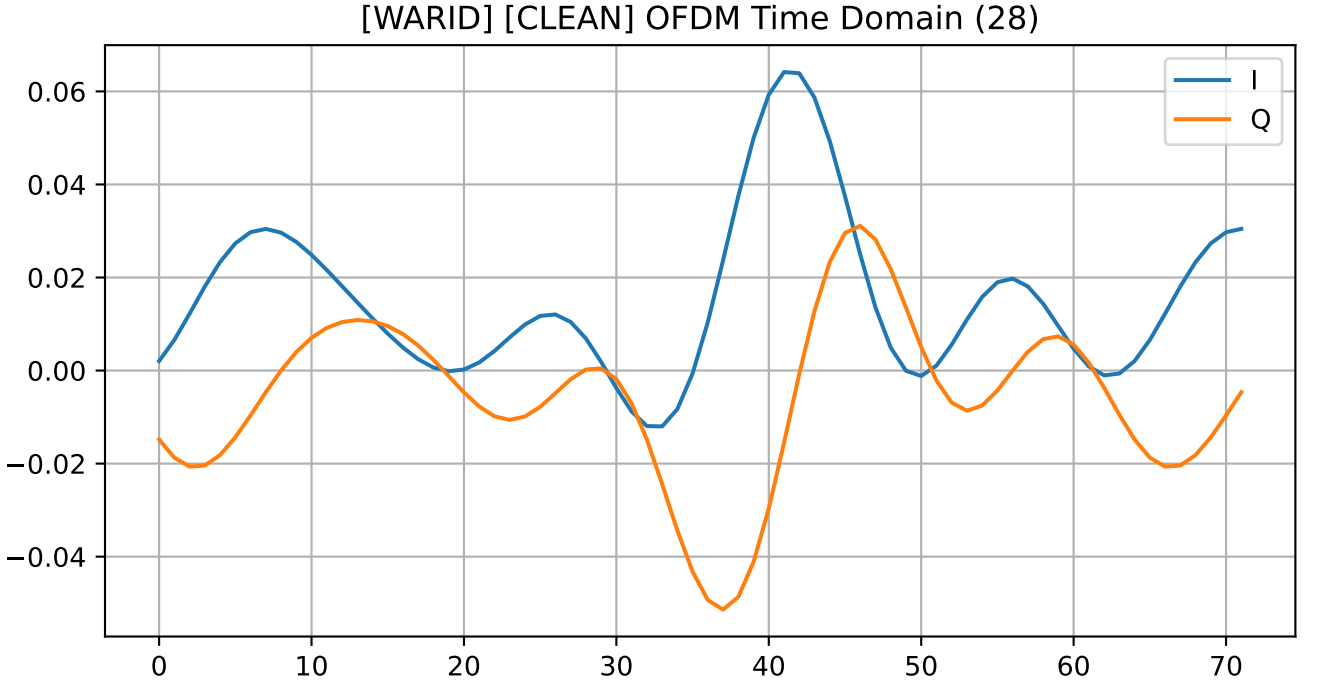
[WARID] [CLEAN] SNR (27)

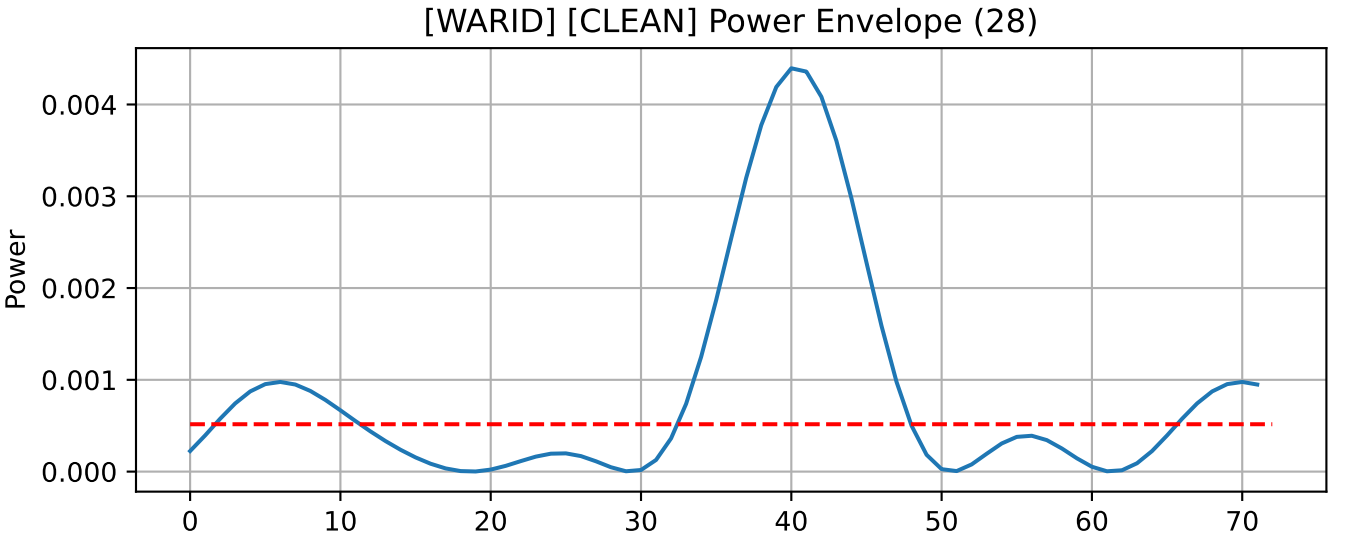


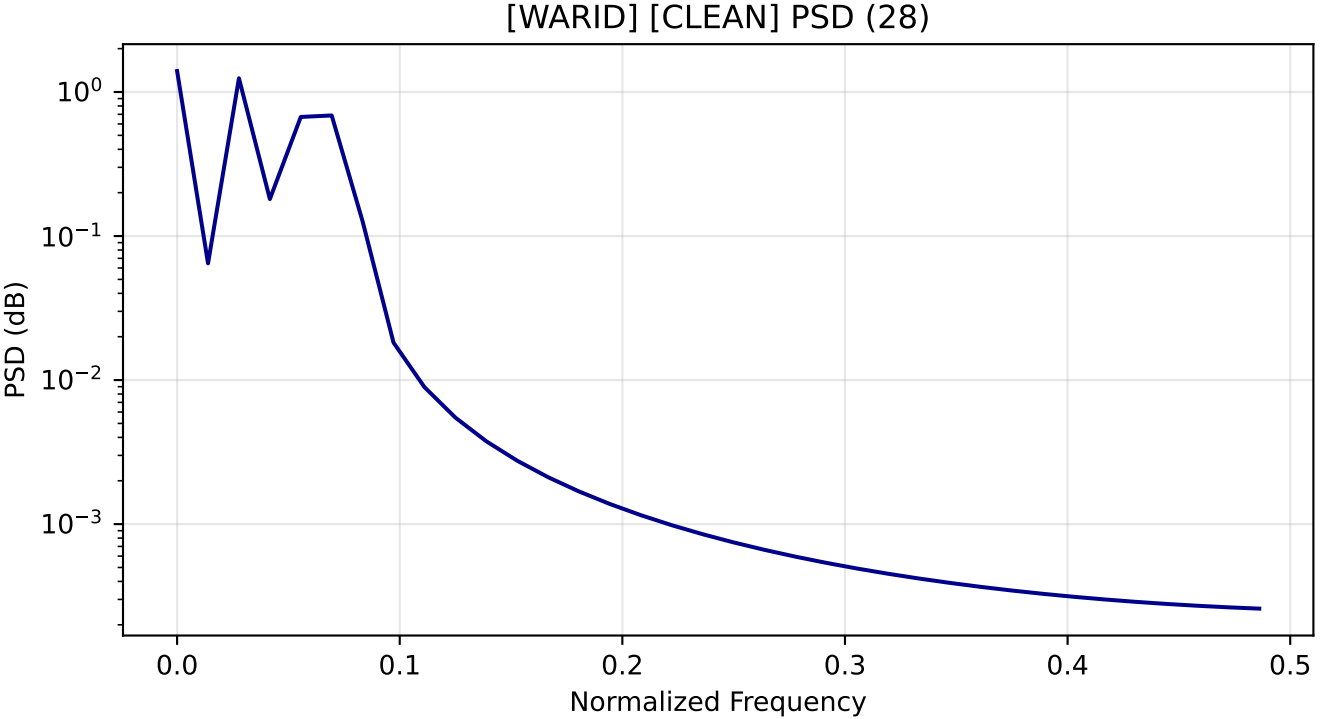

[WARID] Amplitude Dist (27)
Frequency
Amplitude
0.0
0.2
0.4
0.6
0.8
1.0
0.5
0.6
0.7
0.8
0.9
1.0


[WARID] Phase Dist (27)
Frequency
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.5
1.0
1.5
2.0
Phase (rad)


[WARID] [CLEAN] Constellation (28)
Msg: "yyy..."
Mod: QAM-16
NC: 64, CP: 8
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
−0.2
0.0
0.2
0.4
0.6
0.8
1.0

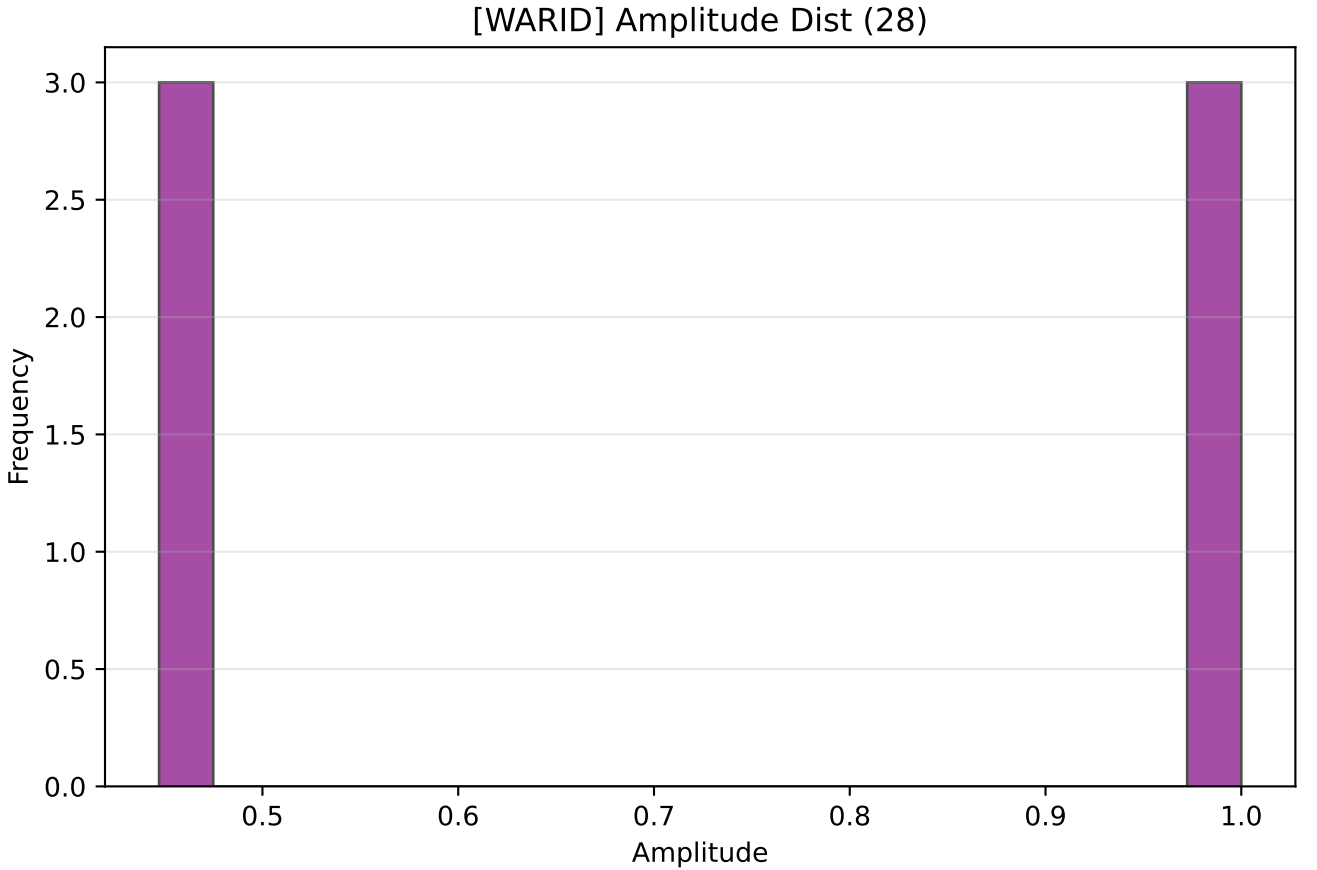

[WARID] [CLEAN] OFDM Time Domain (28)
I
Q
0.06
0.04
0.02
0.00
−0.02
−0.04
0
10
20
30
40
50
60
70

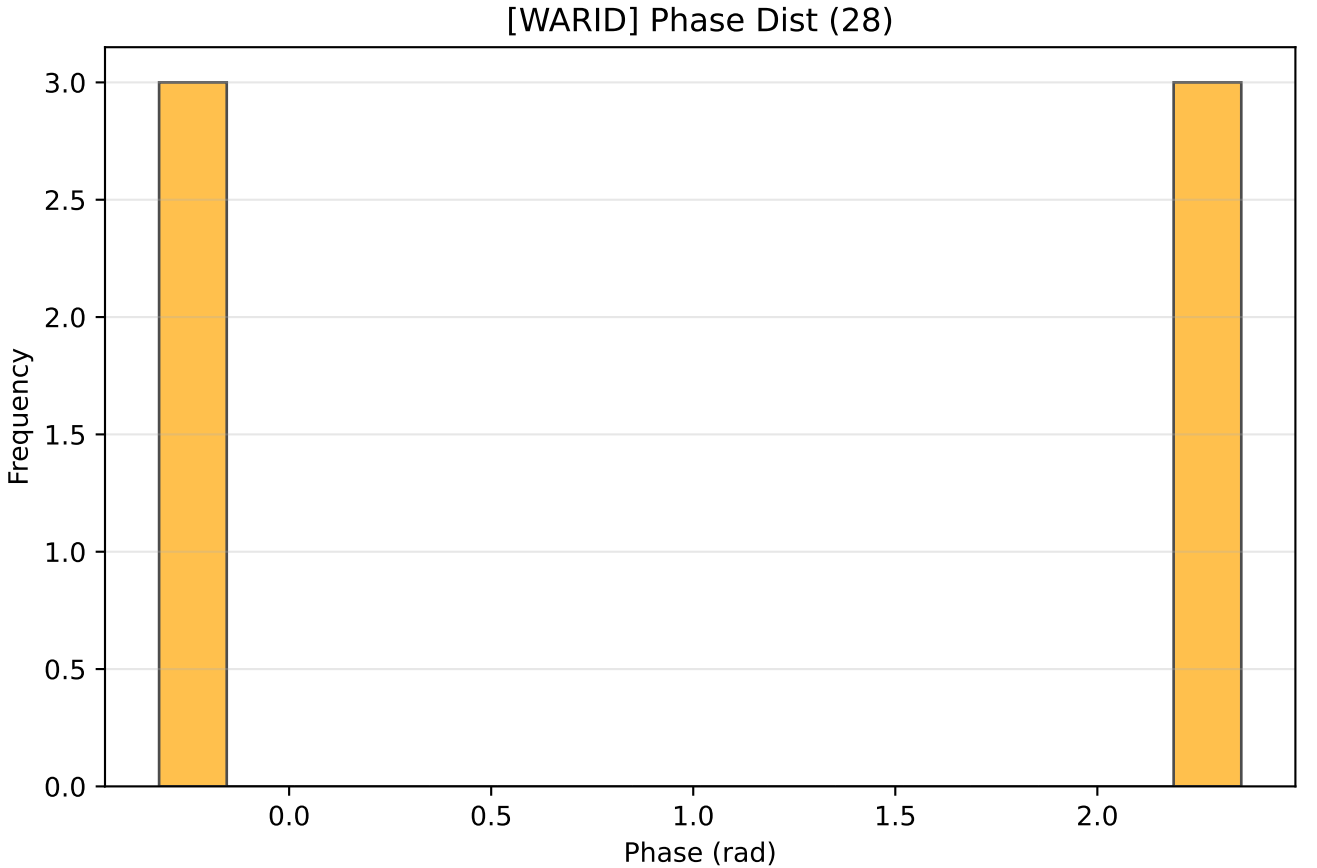

[WARID] [CLEAN] Power Envelope (28)
Power
0.004
0.003
0.002
0.001
0.000
0
10
20
30
40
50
60
70

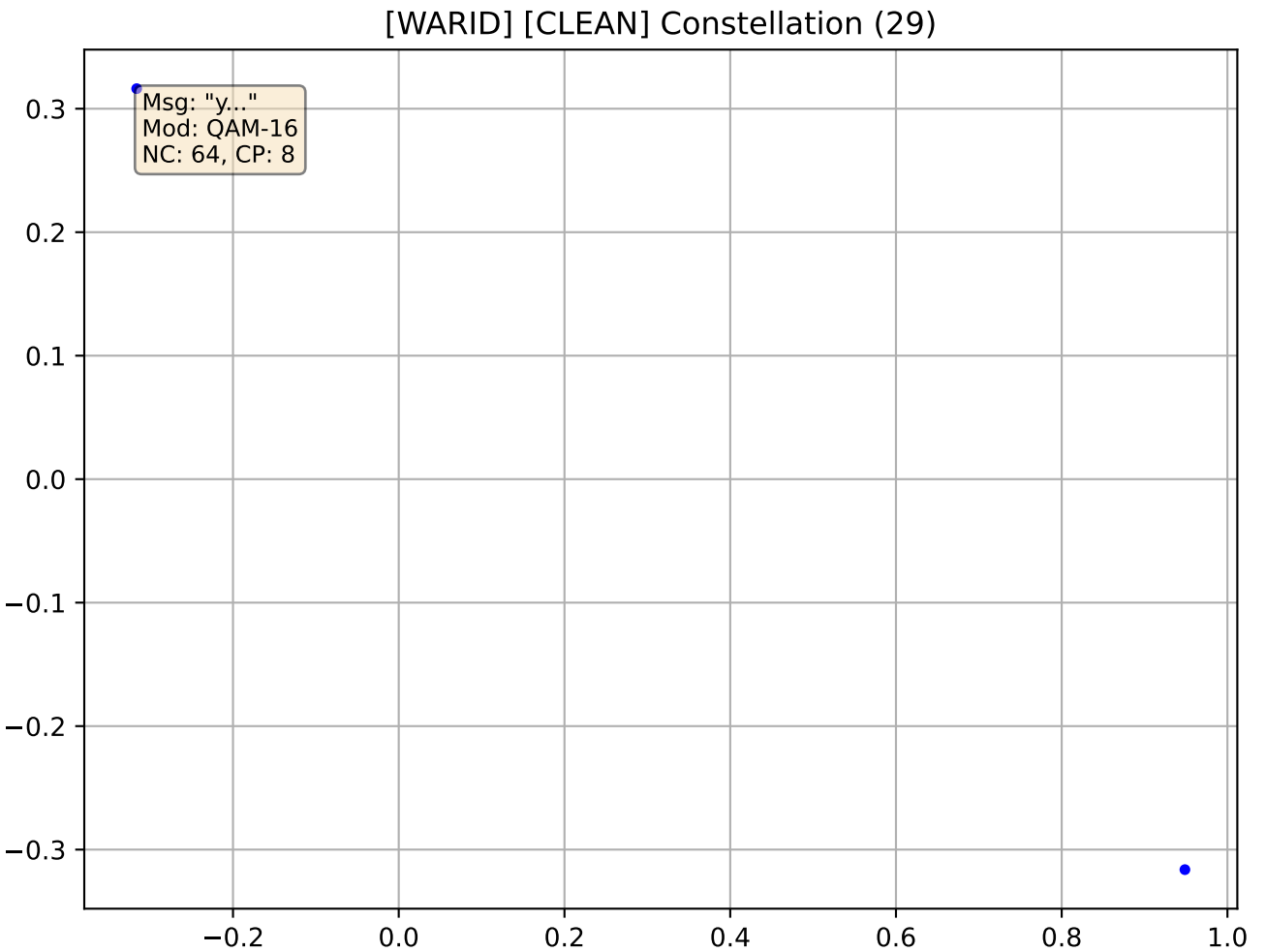

[WARID] [CLEAN] PSD (28)
PSD (dB)
10^{0}
10^{-1}
10^{-2}
10^{-3}
0.0
0.1
0.2
0.3
0.4
0.5
Normalized Frequency

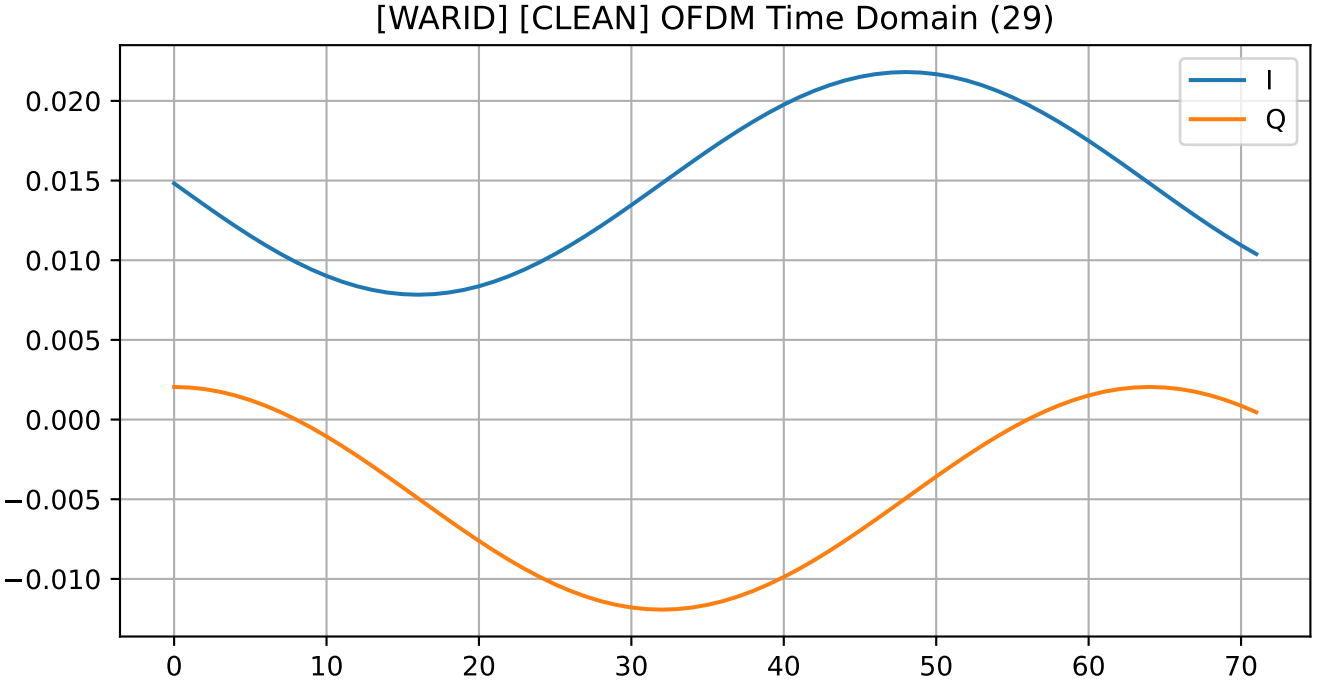
[WARID] [CLEAN] SNR (28)

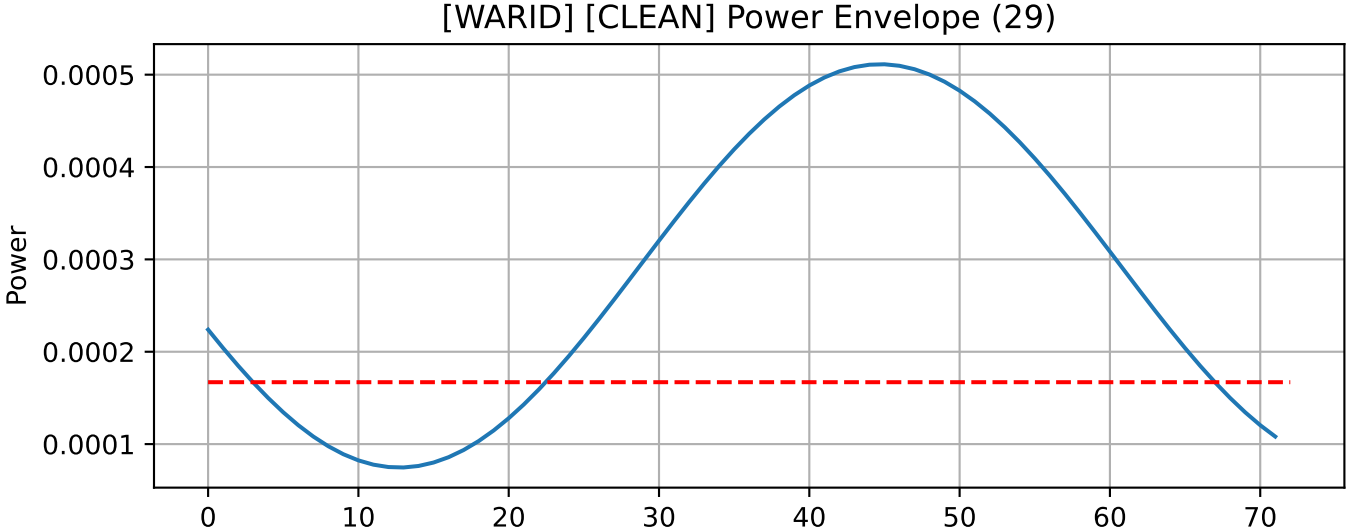
Est. SNR: 20.00 dB
Modulation: QAM-16
Received Power: 8.60e-04

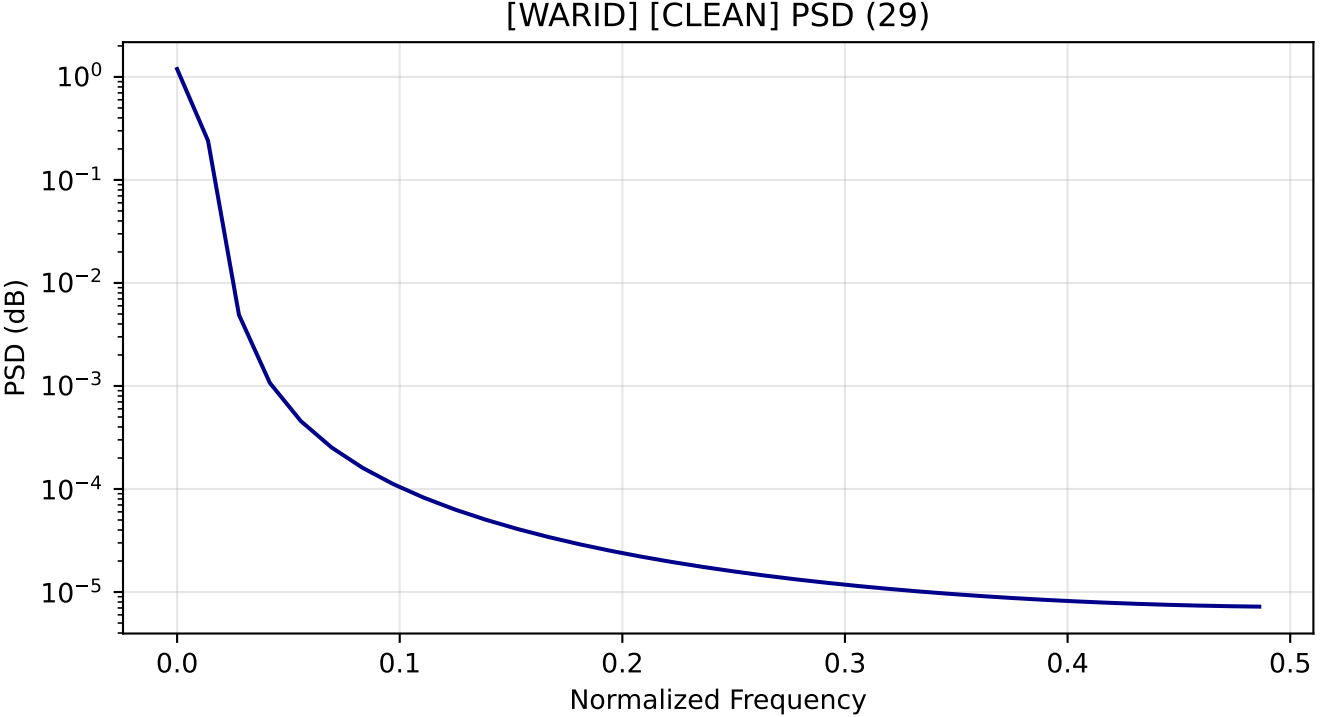

[WARID] Amplitude Dist (28)
Frequency
Amplitude
0.0
0.5
1.0
1.5
2.0
2.5
3.0
0.5
0.6
0.7
0.8
0.9
1.0


[WARID] Phase Dist (28)
Frequency
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0.0
0.5
1.0
1.5
2.0
Phase (rad)


[WARID] [CLEAN] Constellation (29)
Msg: "y..."
Mod: QAM-16
NC: 64, CP: 8
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
−0.2
0.0
0.2
0.4
0.6
0.8
1.0

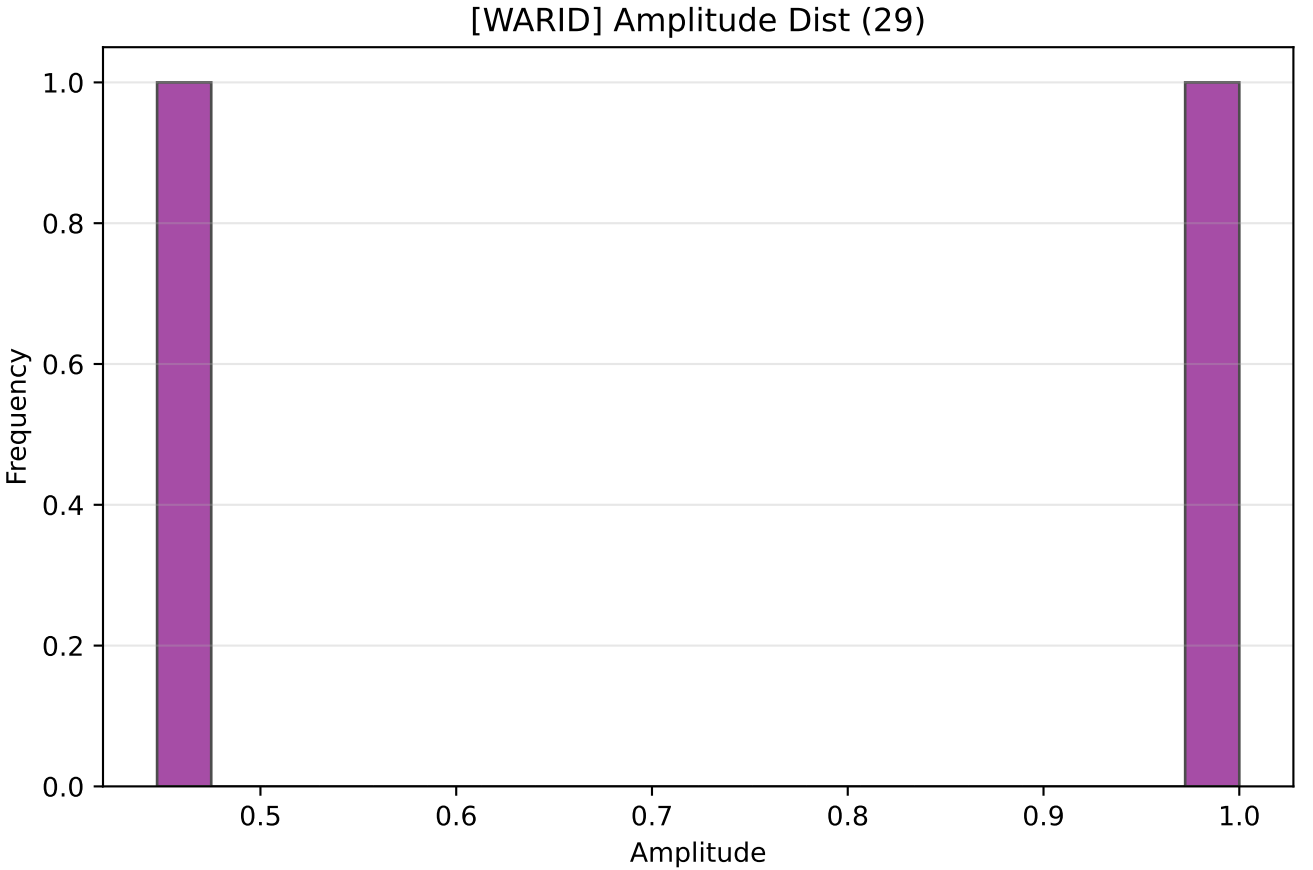

[WARID] [CLEAN] OFDM Time Domain (29)
I
Q
0.020
0.015
0.010
0.005
0.000
−0.005
−0.010
0
10
20
30
40
50
60
70

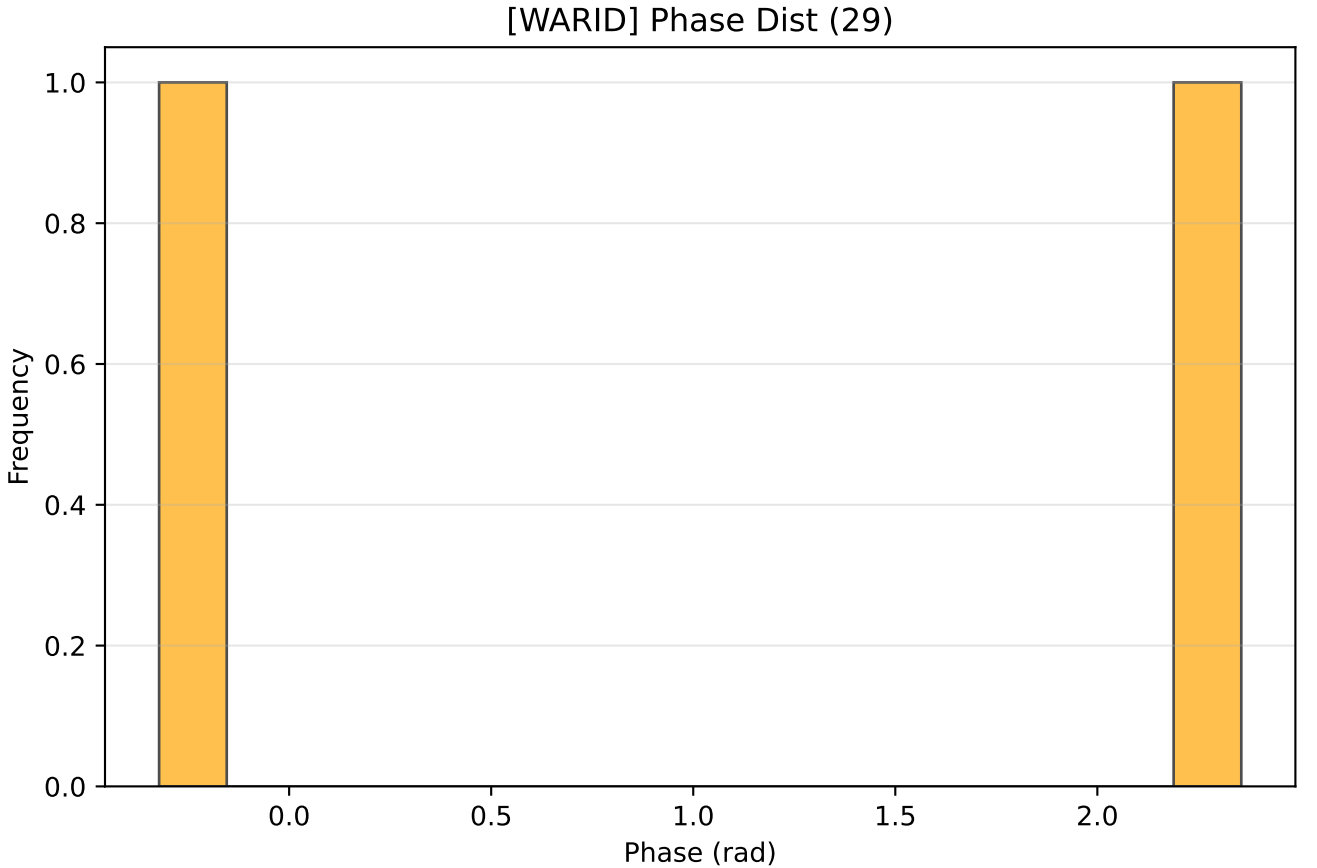

[WARID] [CLEAN] Power Envelope (29)
Power
0.0005
0.0004
0.0003
0.0002
0.0001
0
10
20
30
40
50
60
70

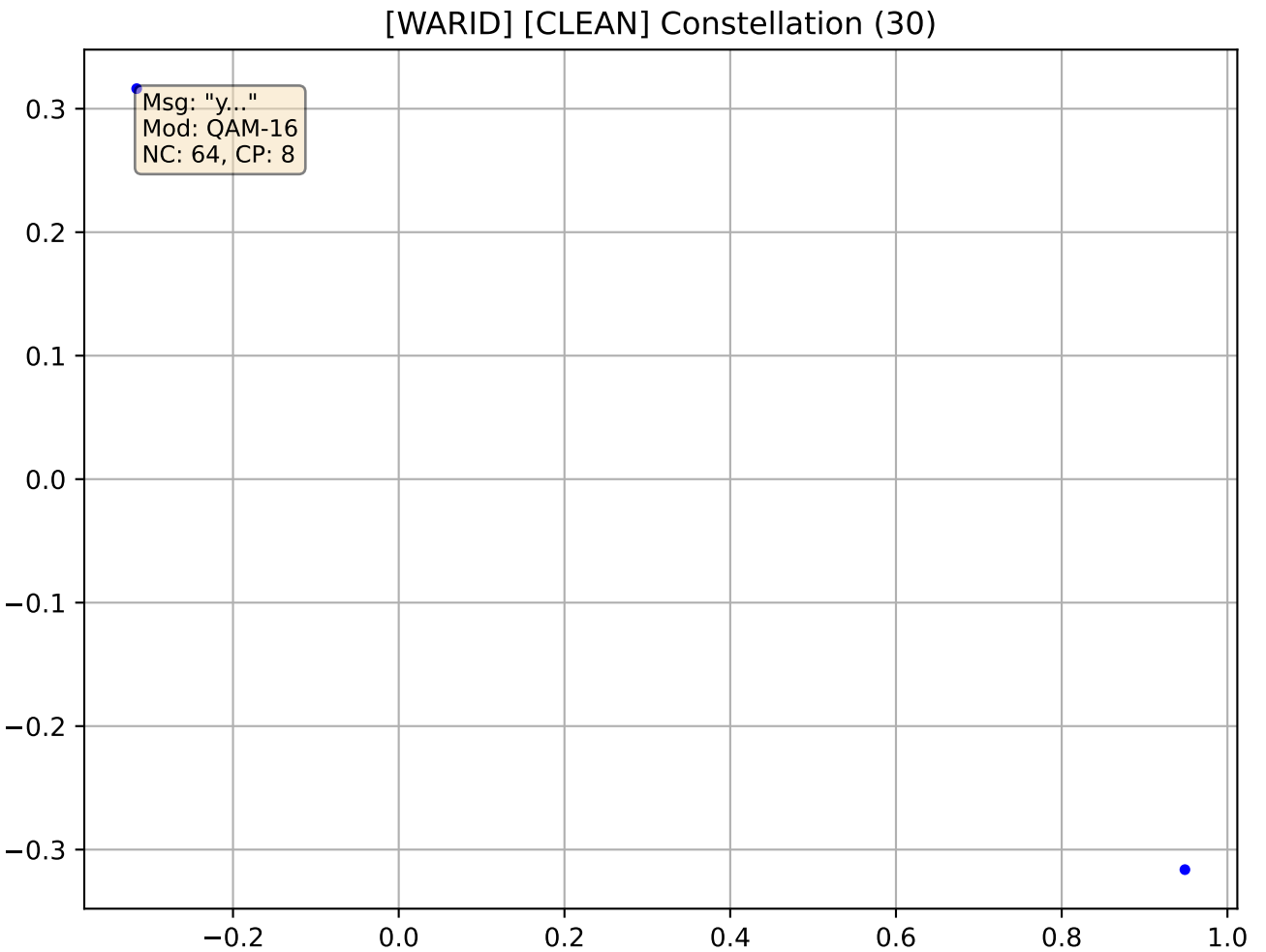

[WARID] [CLEAN] PSD (29)
PSD (dB)
10^{0}
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0.0
0.1
0.2
0.3
0.4
0.5
Normalized Frequency

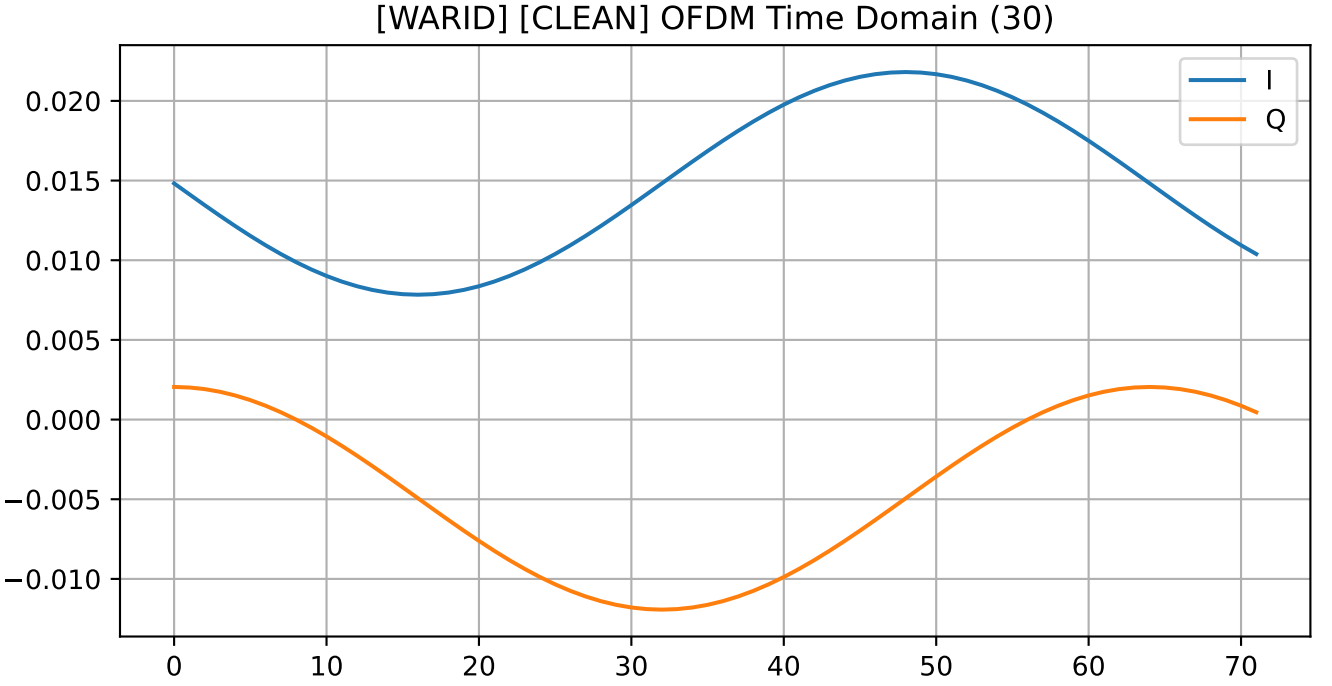
[WARID] [CLEAN] SNR (29)

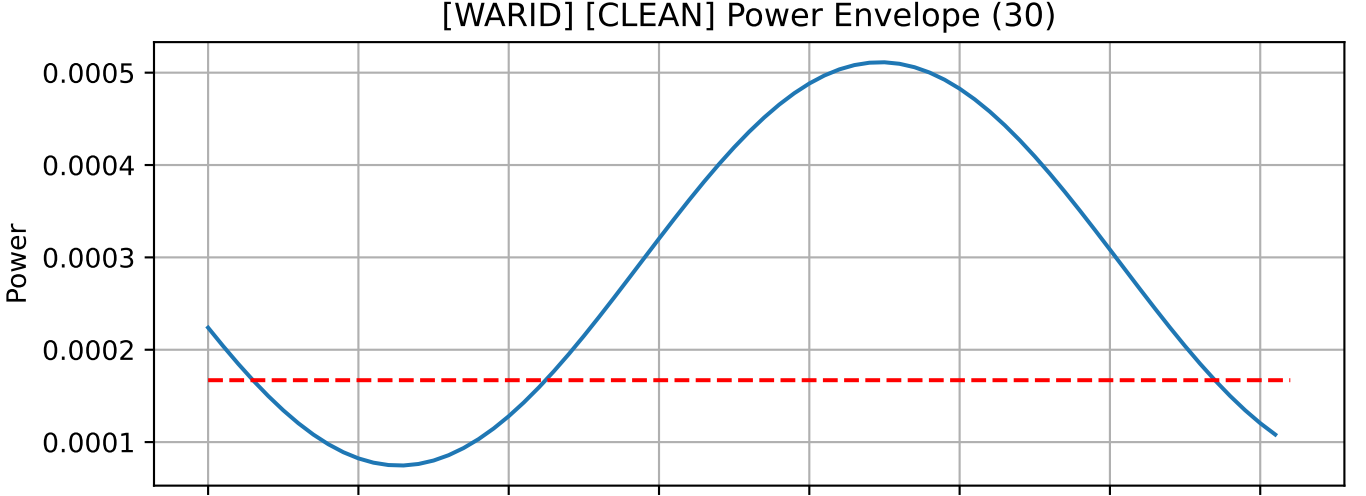
Est. SNR: 20.00 dB
Modulation: QAM-16
Received Power: 2.78e-04

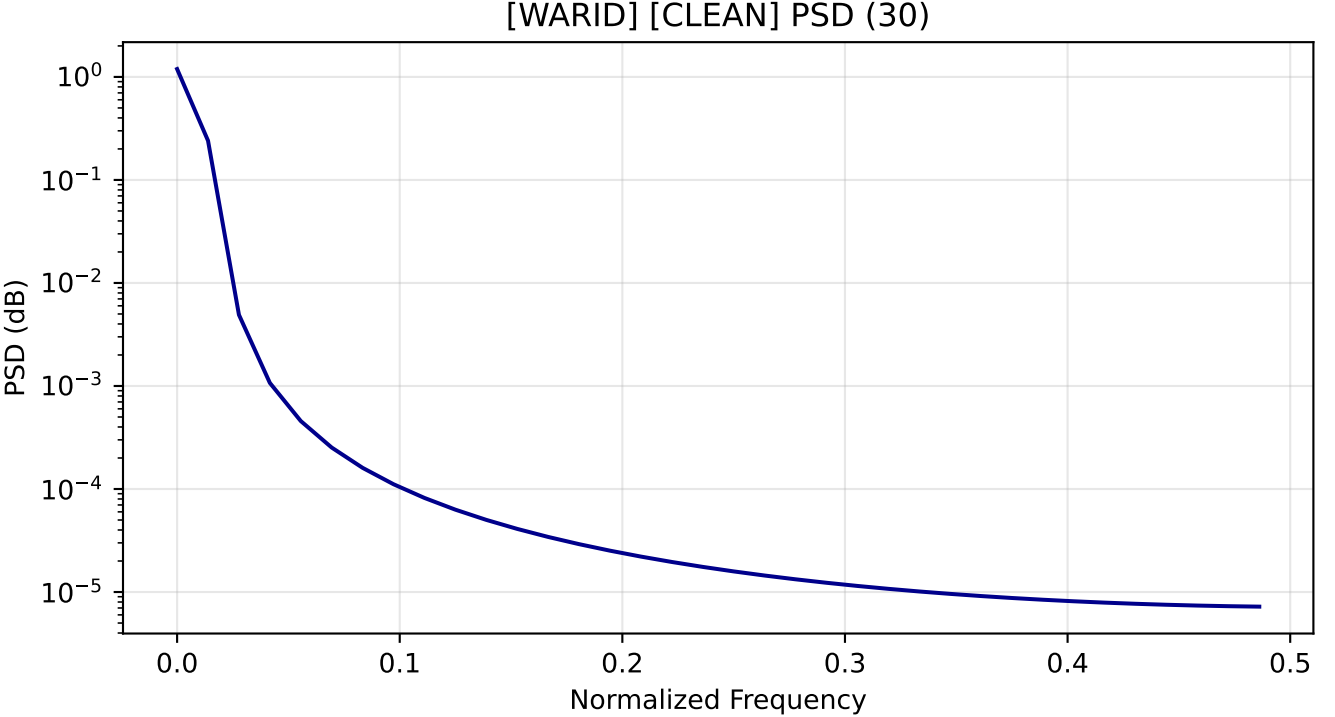

[WARID] Amplitude Dist (29)
Frequency
Amplitude
0.0
0.2
0.4
0.6
0.8
1.0
0.5
0.6
0.7
0.8
0.9
1.0


[WARID] Phase Dist (29)
Frequency
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.5
1.0
1.5
2.0
Phase (rad)


[WARID] [CLEAN] Constellation (30)
Msg: "y..."
Mod: QAM-16
NC: 64, CP: 8
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
−0.2
0.0
0.2
0.4
0.6
0.8
1.0

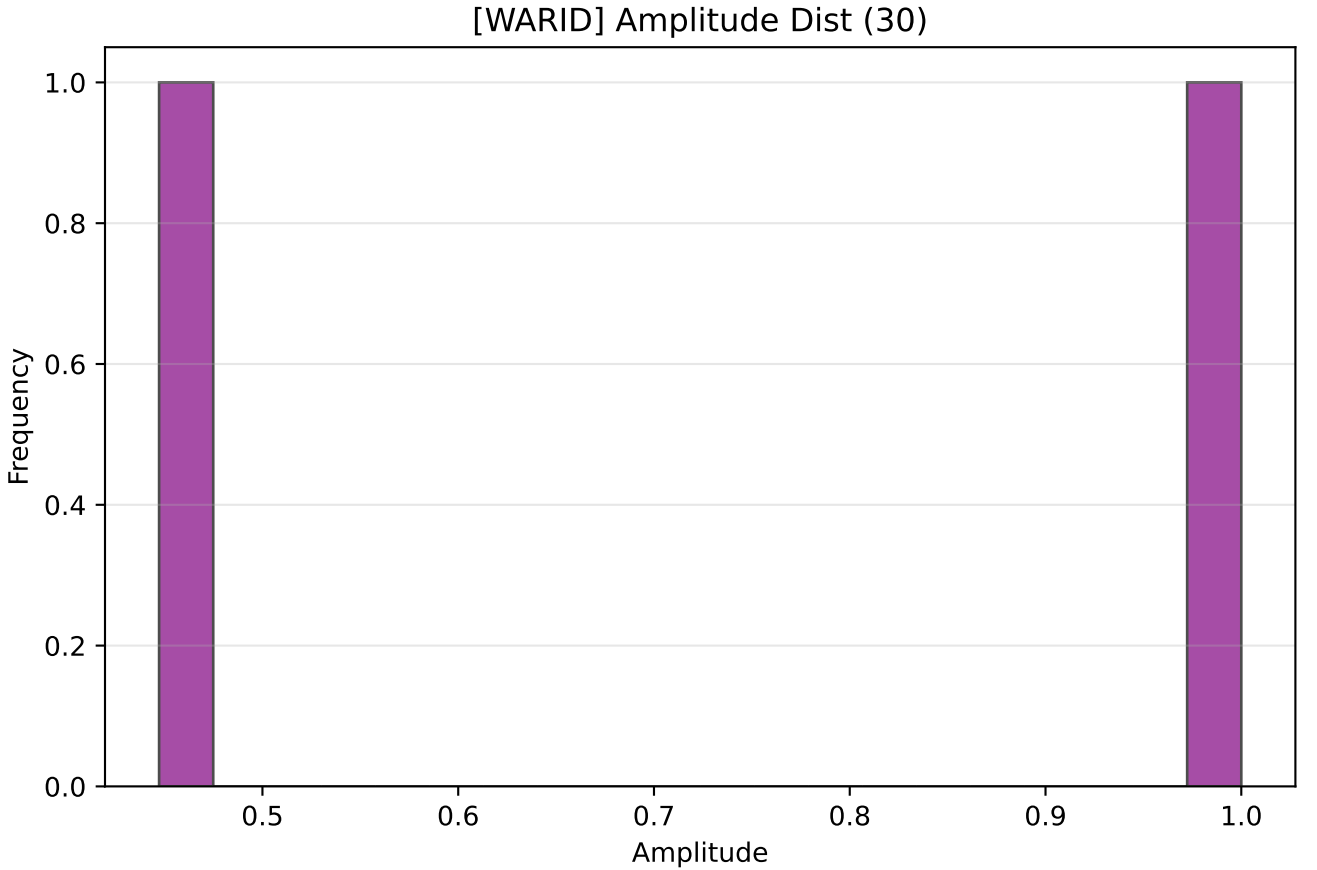

[WARID] [CLEAN] OFDM Time Domain (30)
I
Q
0.020
0.015
0.010
0.005
0.000
−0.005
−0.010
0
10
20
30
40
50
60
70

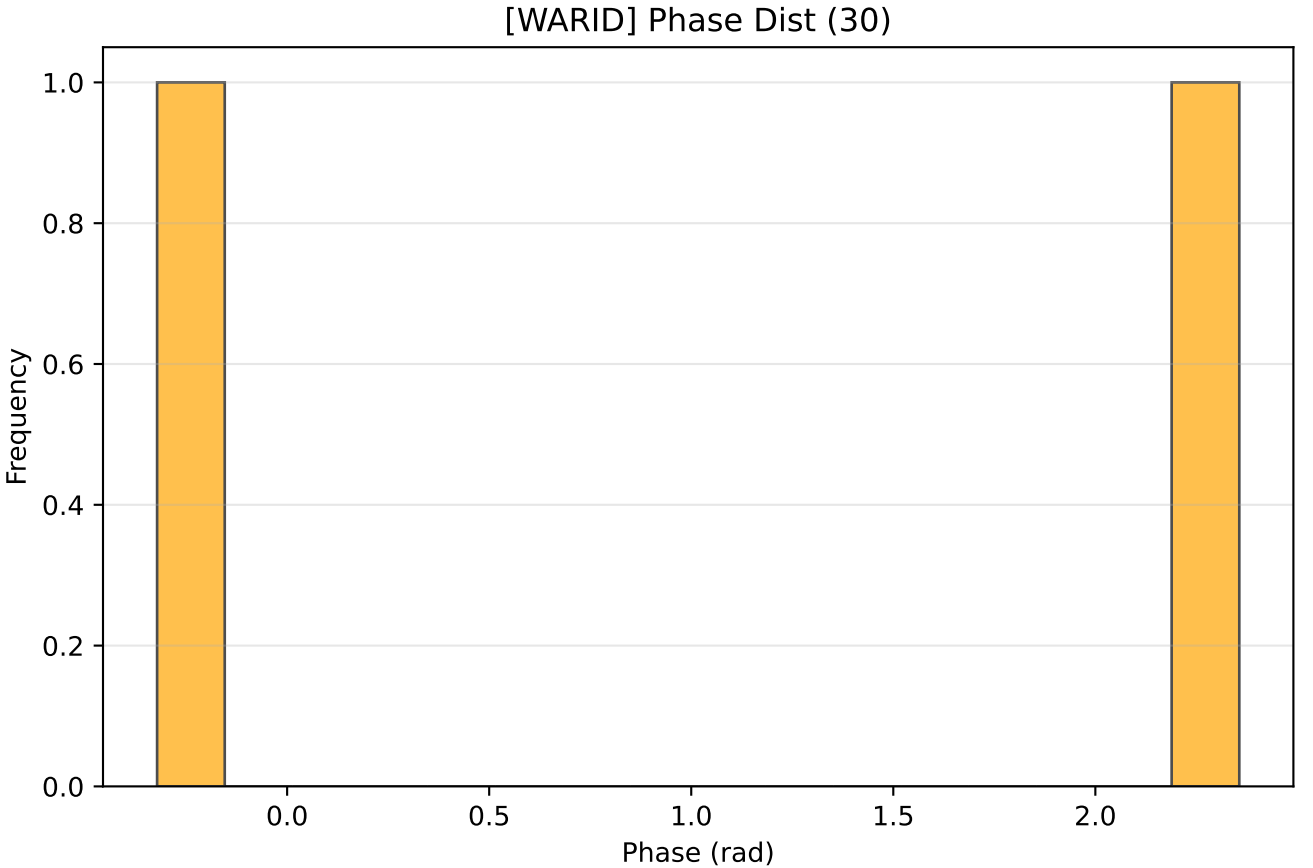

[WARID] [CLEAN] Power Envelope (30)
Power
0.0005
0.0004
0.0003
0.0002
0.0001
0
10
20
30
40
50
60
70

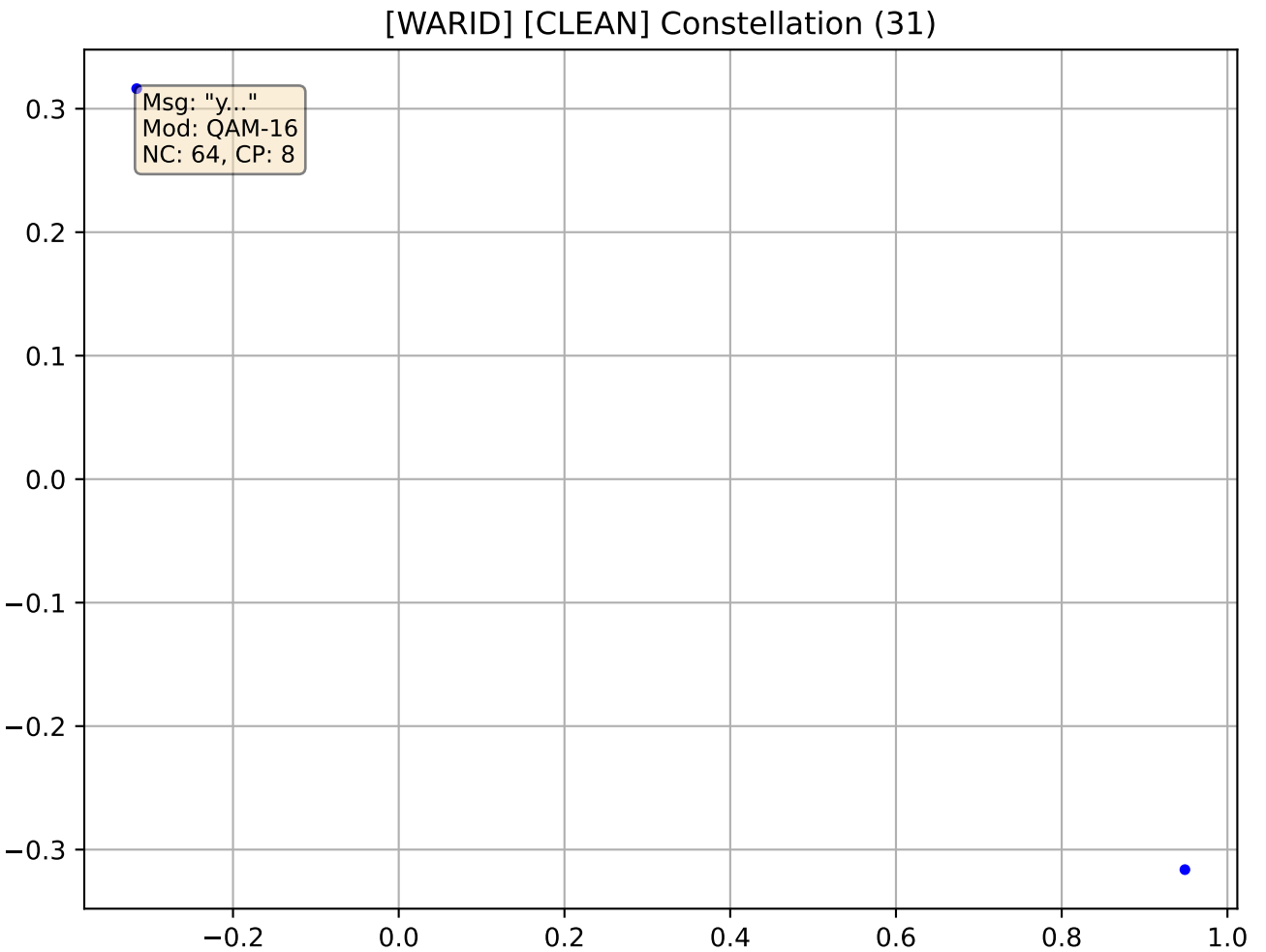

[WARID] [CLEAN] PSD (30)
PSD (dB)
10^{0}
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0.0
0.1
0.2
0.3
0.4
0.5
Normalized Frequency

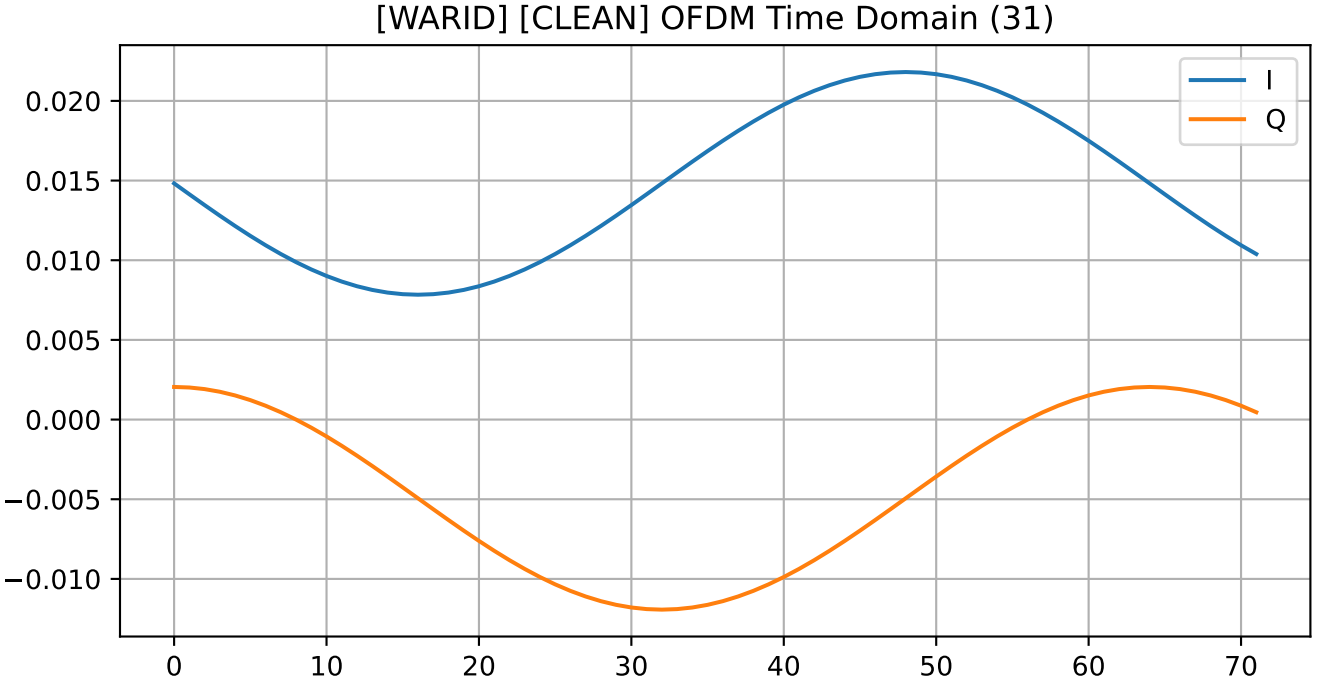
[WARID] [CLEAN] SNR (30)

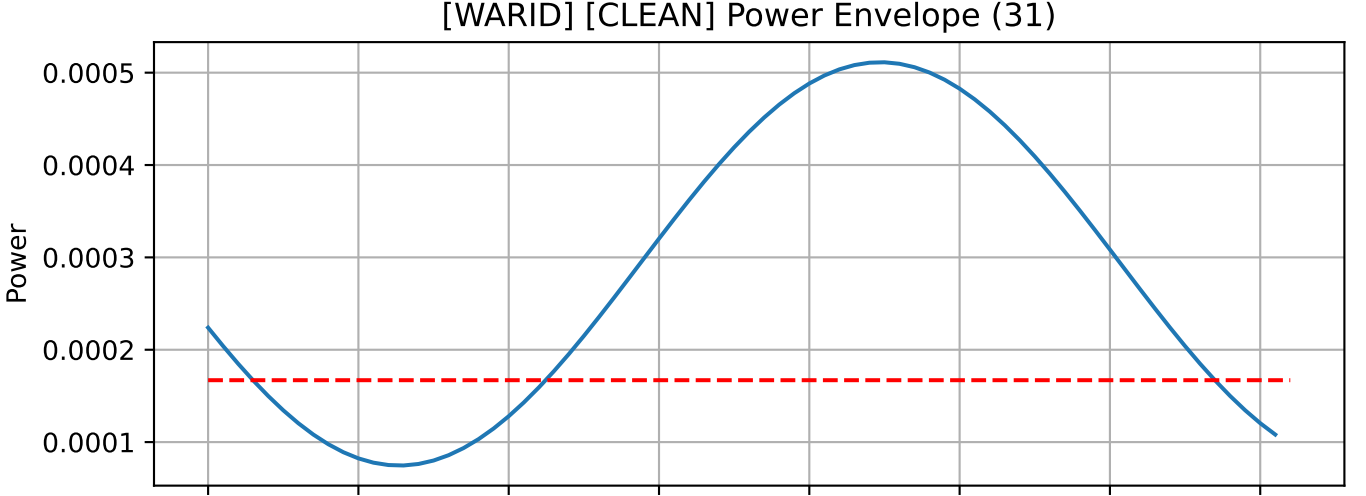
Est. SNR: 20.00 dB
Modulation: QAM-16
Received Power: 2.78e-04

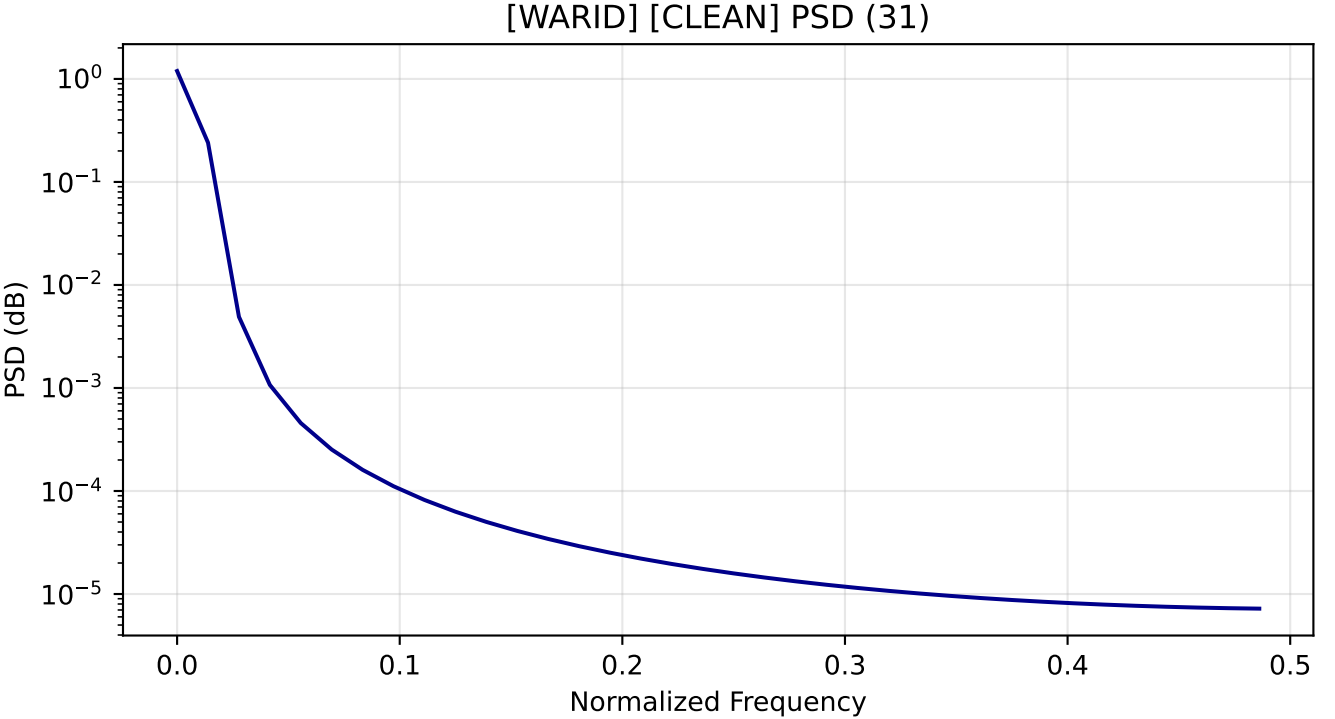

[WARID] Amplitude Dist (30)
Frequency
Amplitude
0.0
0.2
0.4
0.6
0.8
1.0
0.5
0.6
0.7
0.8
0.9
1.0


[WARID] Phase Dist (30)
Frequency
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.5
1.0
1.5
2.0
Phase (rad)

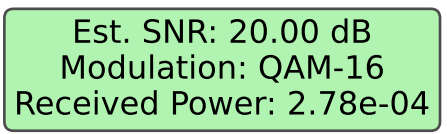

[WARID] [CLEAN] Constellation (31)
Msg: "y..."
Mod: QAM-16
NC: 64, CP: 8
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
−0.2
0.0
0.2
0.4
0.6
0.8
1.0

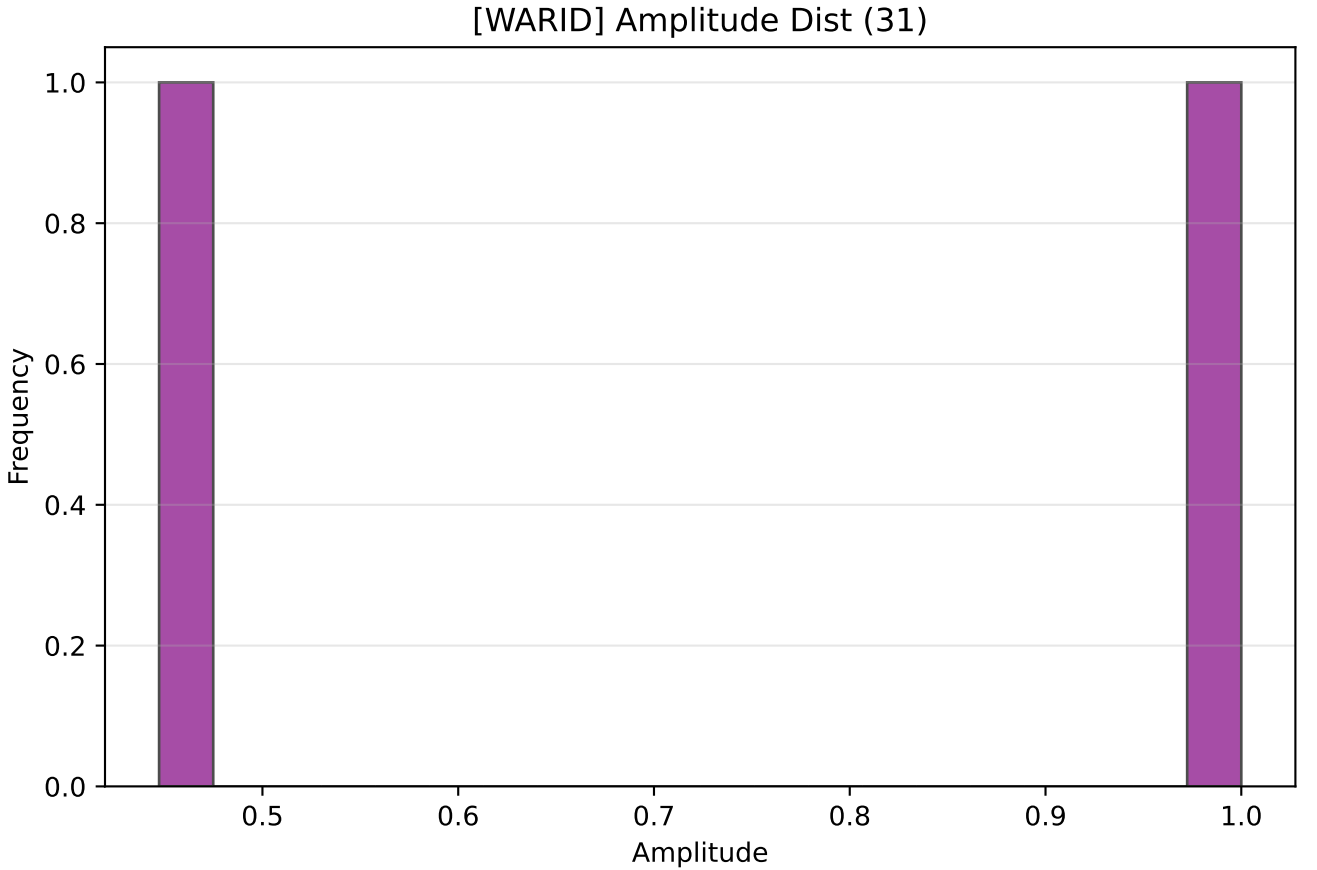

[WARID] [CLEAN] OFDM Time Domain (31)
I
Q
0.020
0.015
0.010
0.005
0.000
−0.005
−0.010
0
10
20
30
40
50
60
70

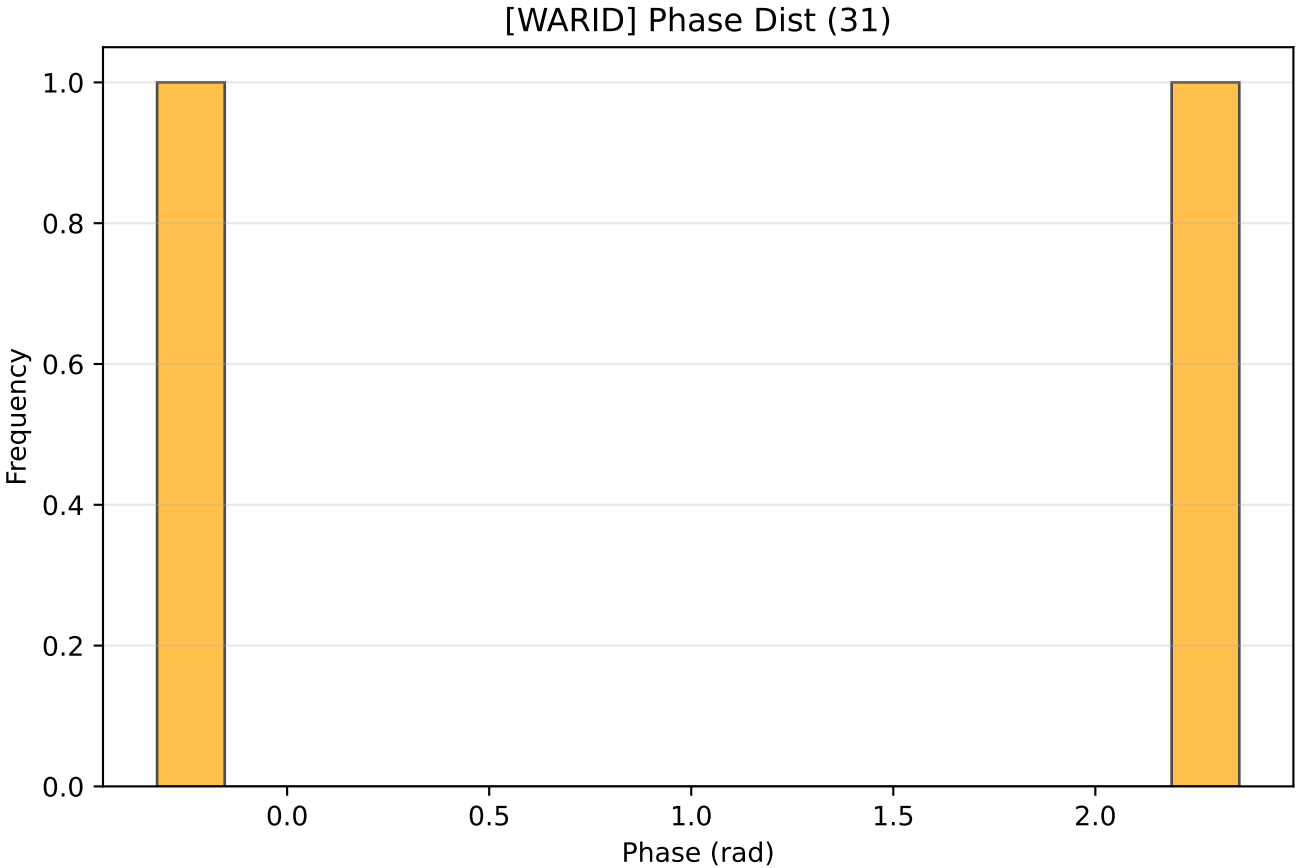

[WARID] [CLEAN] Power Envelope (31)
Power
0.0005
0.0004
0.0003
0.0002
0.0001
0
10
20
30
40
50
60
70

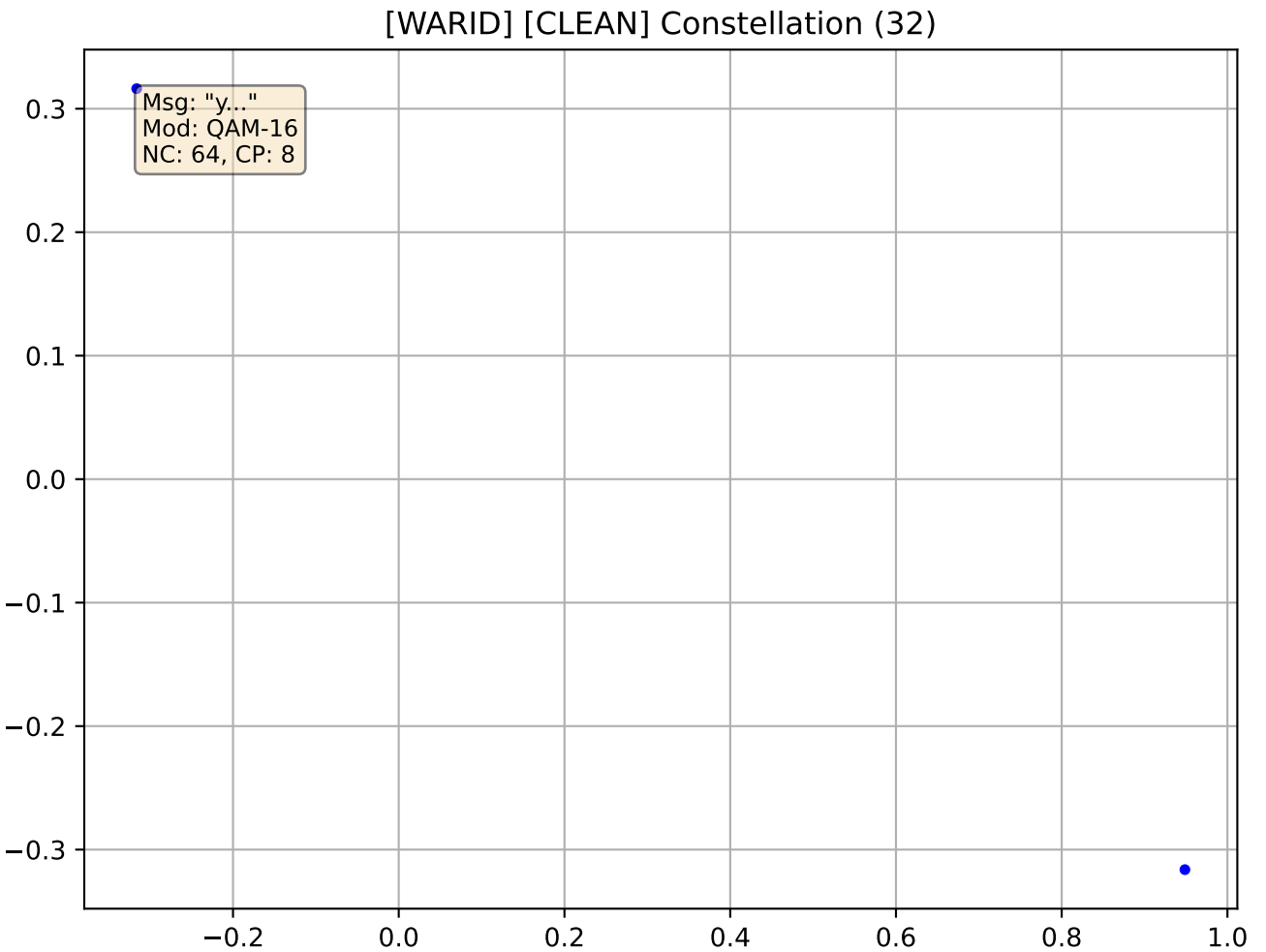

[WARID] [CLEAN] PSD (31)
PSD (dB)
10^{0}
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0.0
0.1
0.2
0.3
0.4
0.5
Normalized Frequency

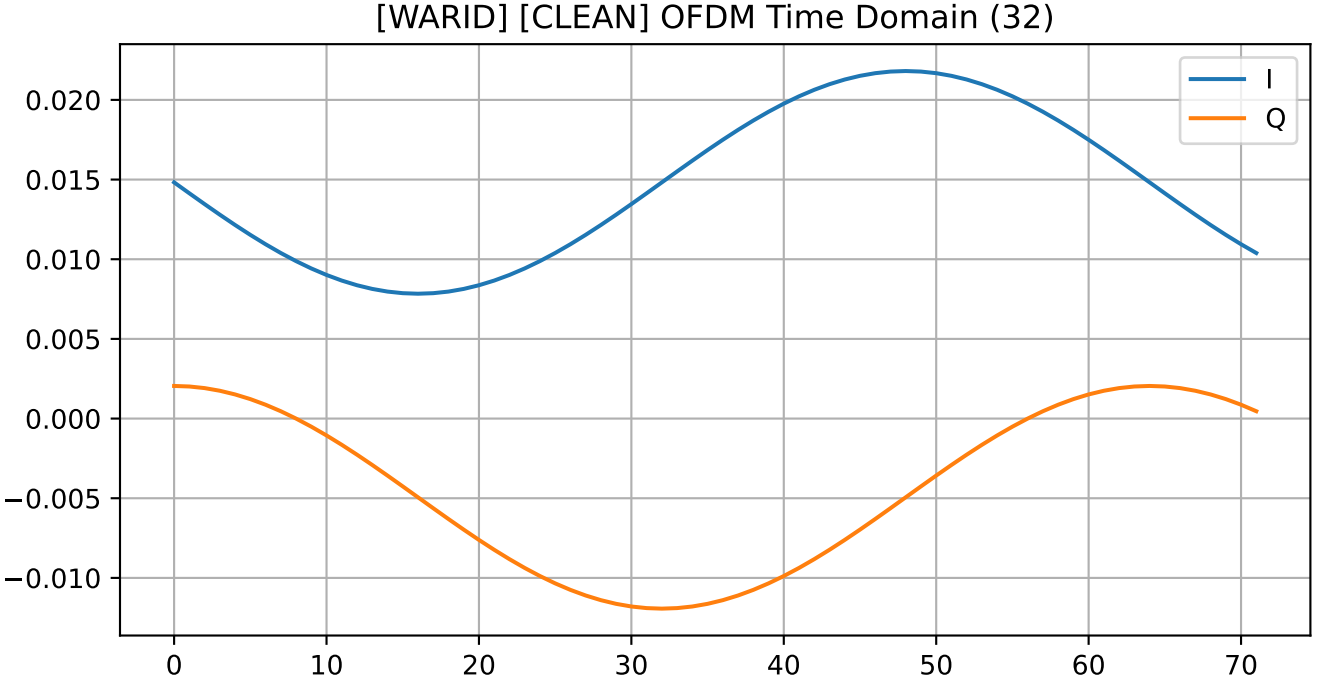
[WARID] [CLEAN] SNR (31)

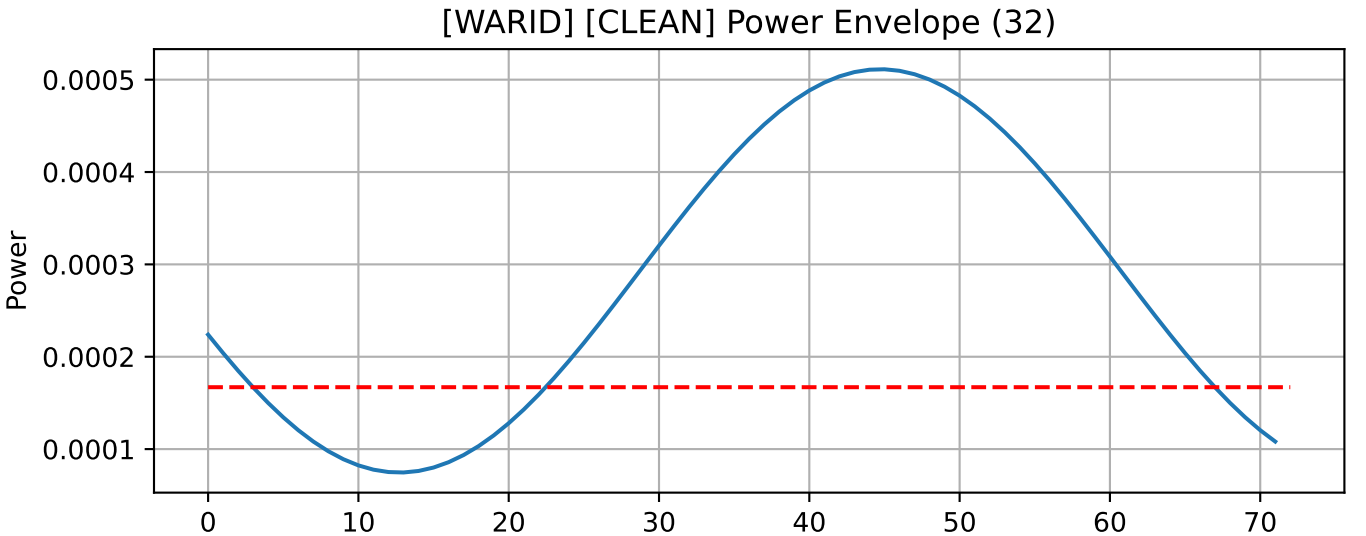


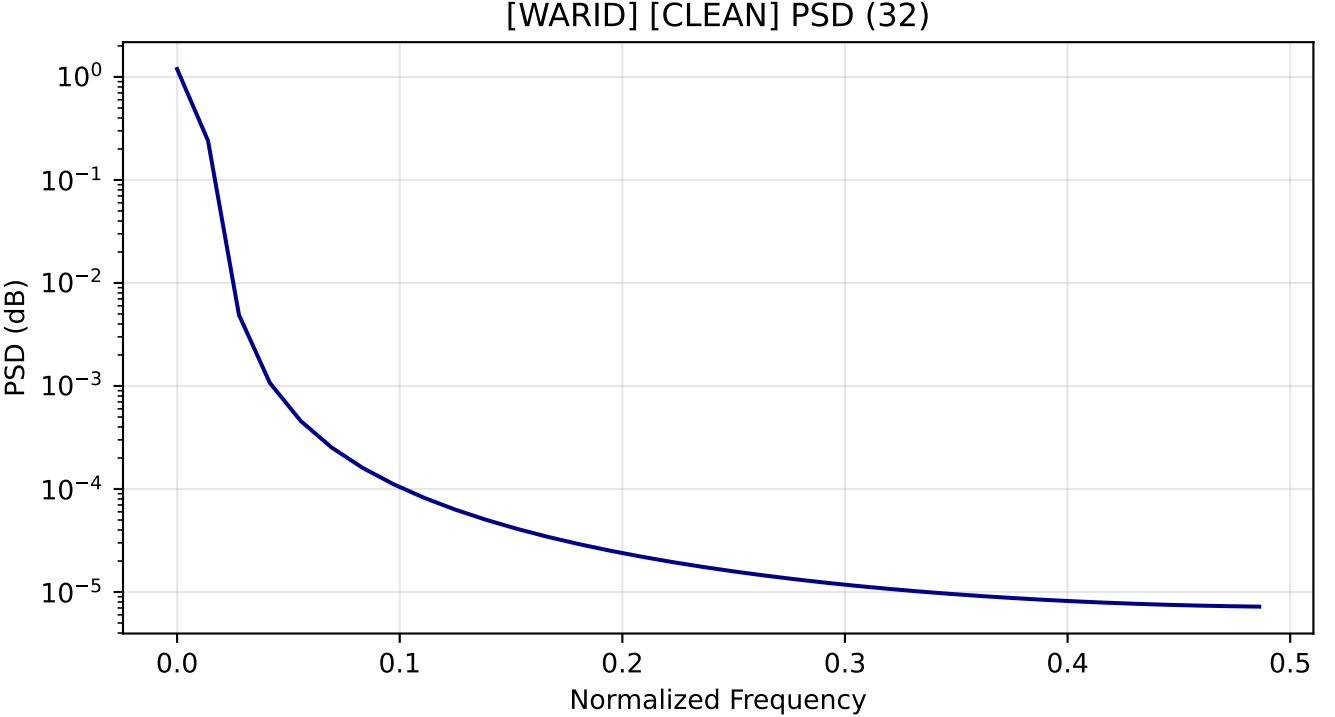

[WARID] Amplitude Dist (31)
Frequency
Amplitude
0.0
0.2
0.4
0.6
0.8
1.0
0.5
0.6
0.7
0.8
0.9
1.0


[WARID] Phase Dist (31)
Frequency
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.5
1.0
1.5
2.0
Phase (rad)

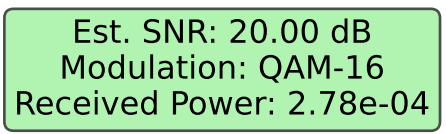

[WARID] [CLEAN] Constellation (32)
Msg: "y..."
Mod: QAM-16
NC: 64, CP: 8
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
−0.2
0.0
0.2
0.4
0.6
0.8
1.0

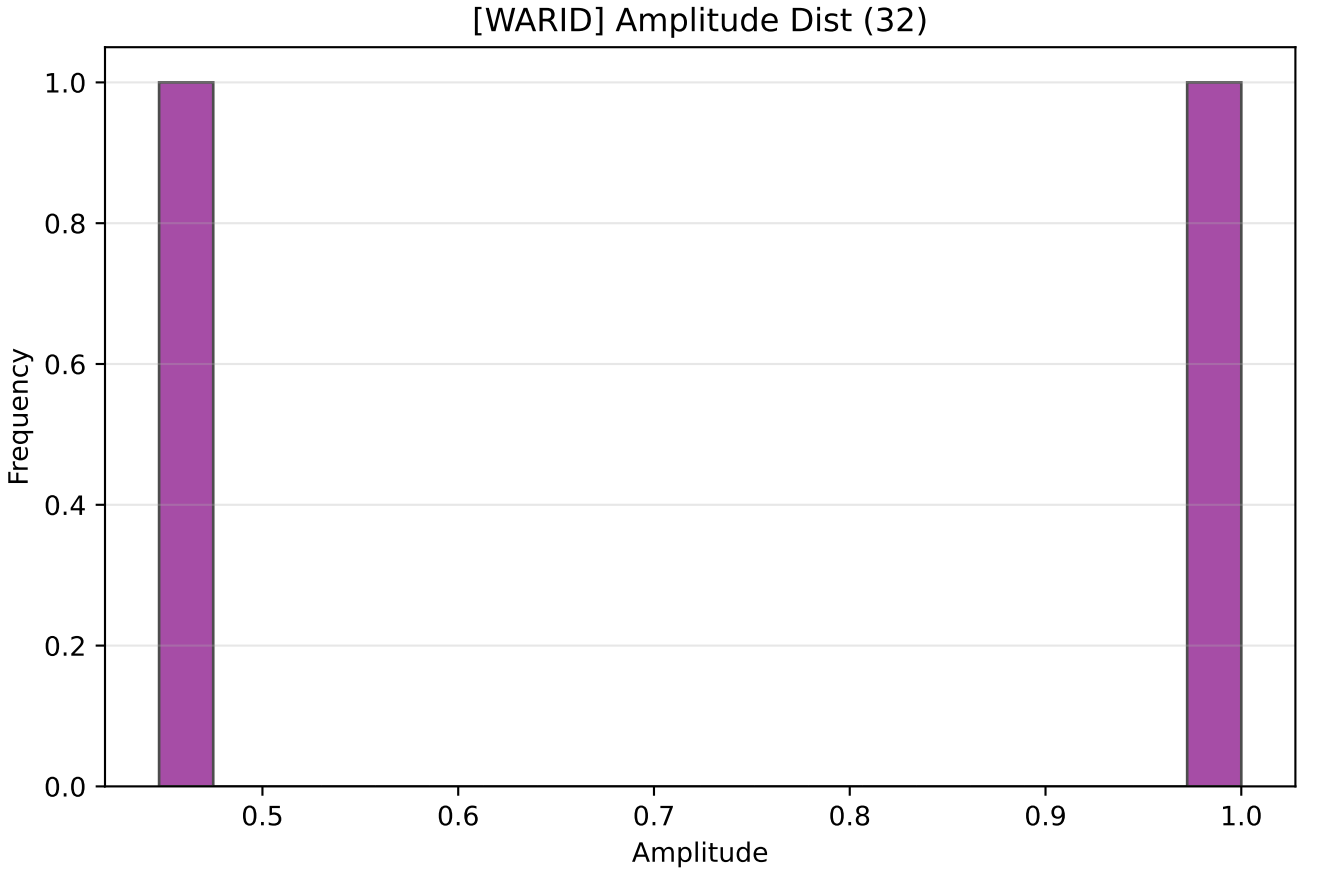

[WARID] [CLEAN] OFDM Time Domain (32)
I
Q
0.020
0.015
0.010
0.005
0.000
−0.005
−0.010
0
10
20
30
40
50
60
70

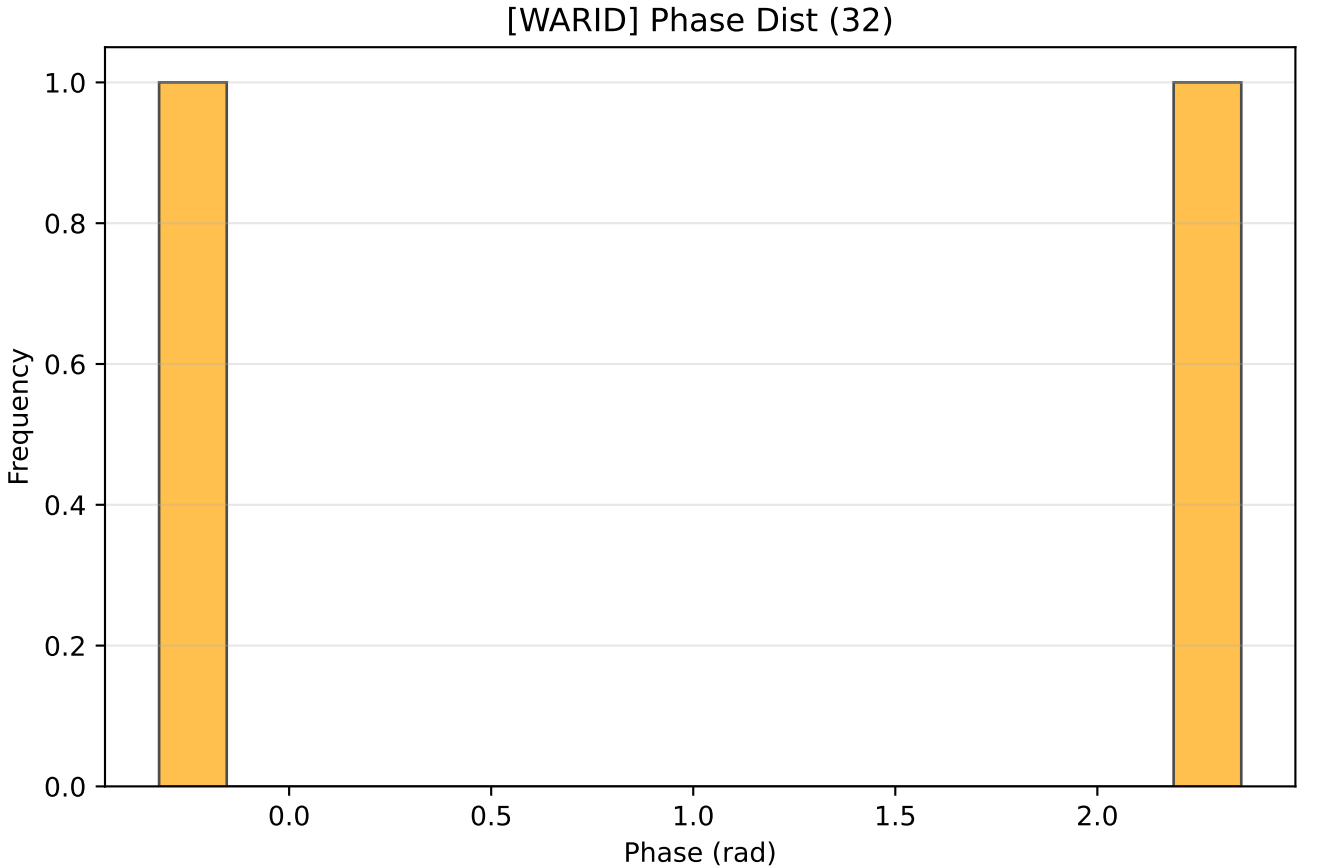

[WARID] [CLEAN] Power Envelope (32)
Power
0.0005
0.0004
0.0003
0.0002
0.0001
0
10
20
30
40
50
60
70

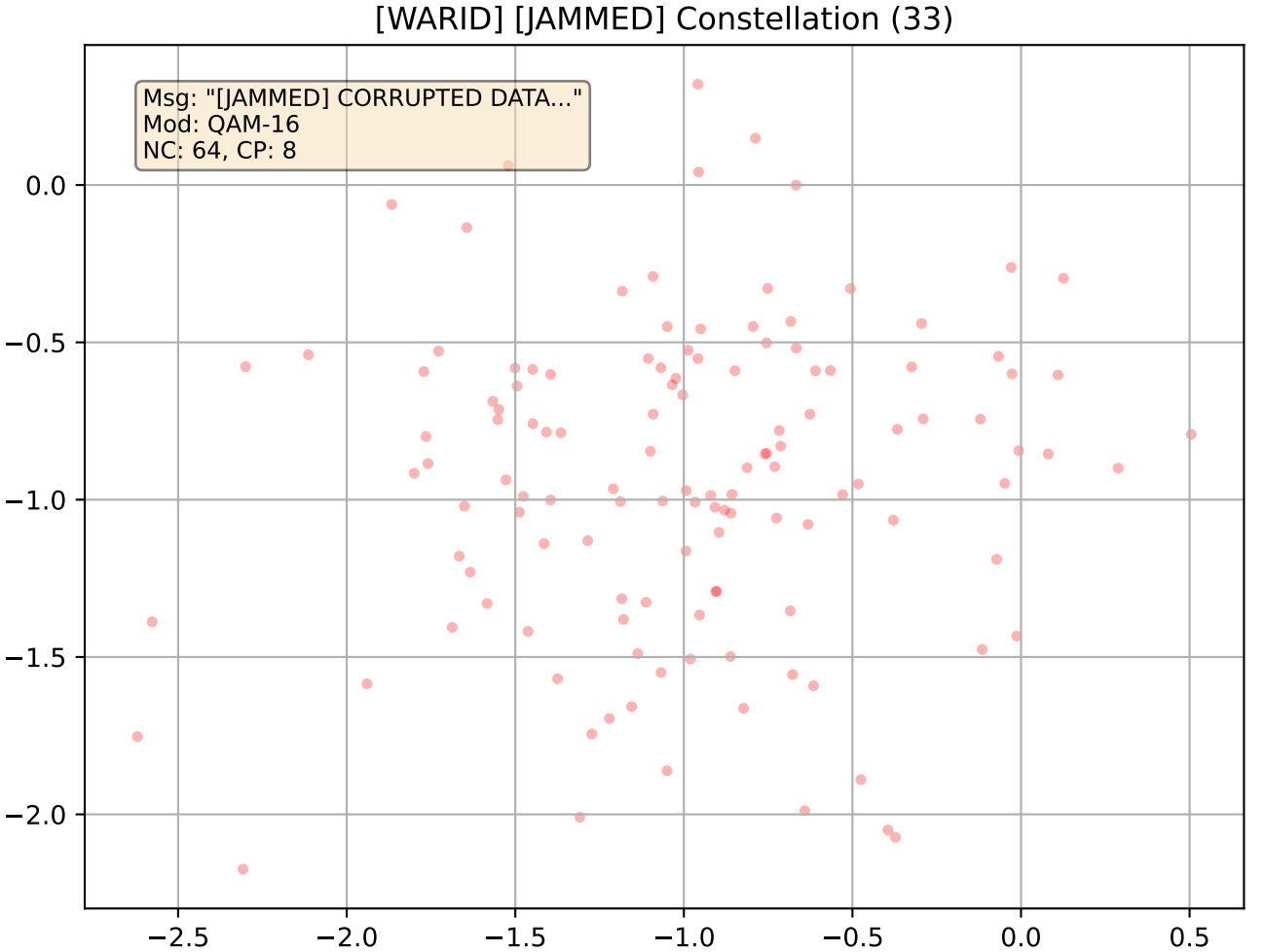

[WARID] [CLEAN] PSD (32)
PSD (dB)
10^{0}
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0.0
0.1
0.2
0.3
0.4
0.5
Normalized Frequency

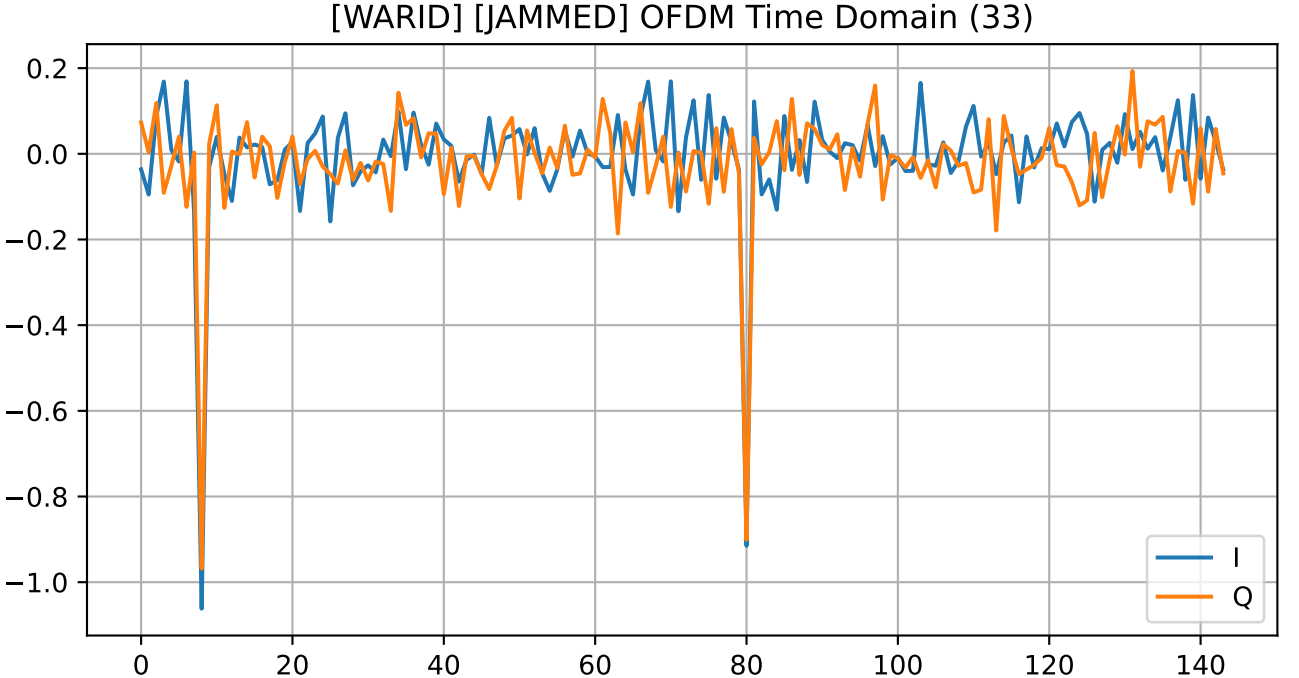
[WARID] [CLEAN] SNR (32)

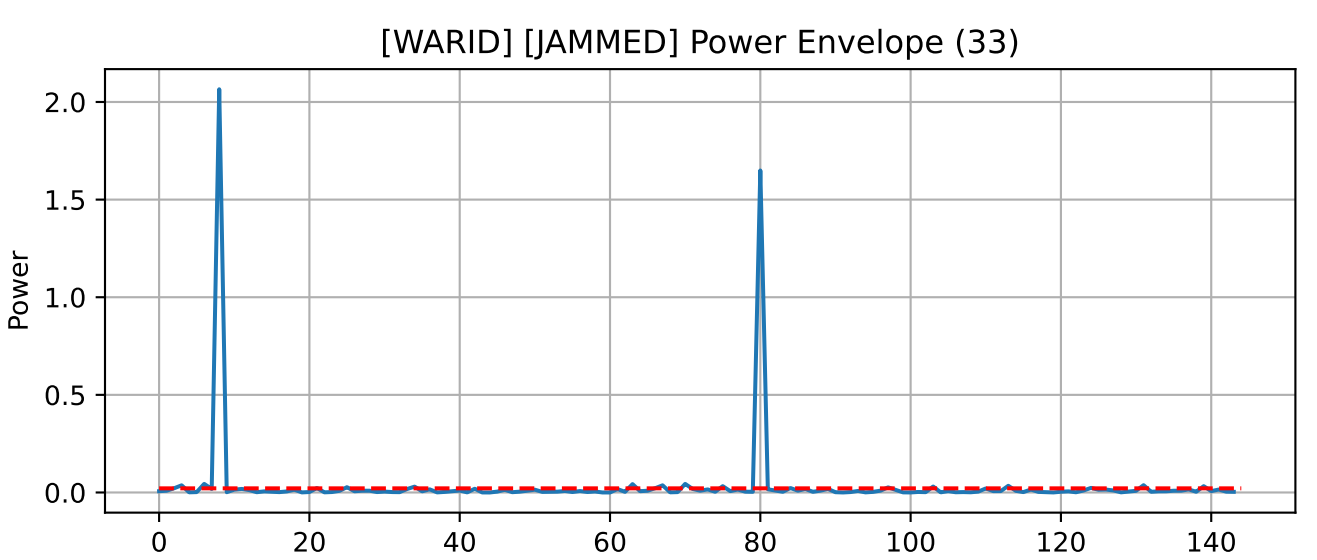


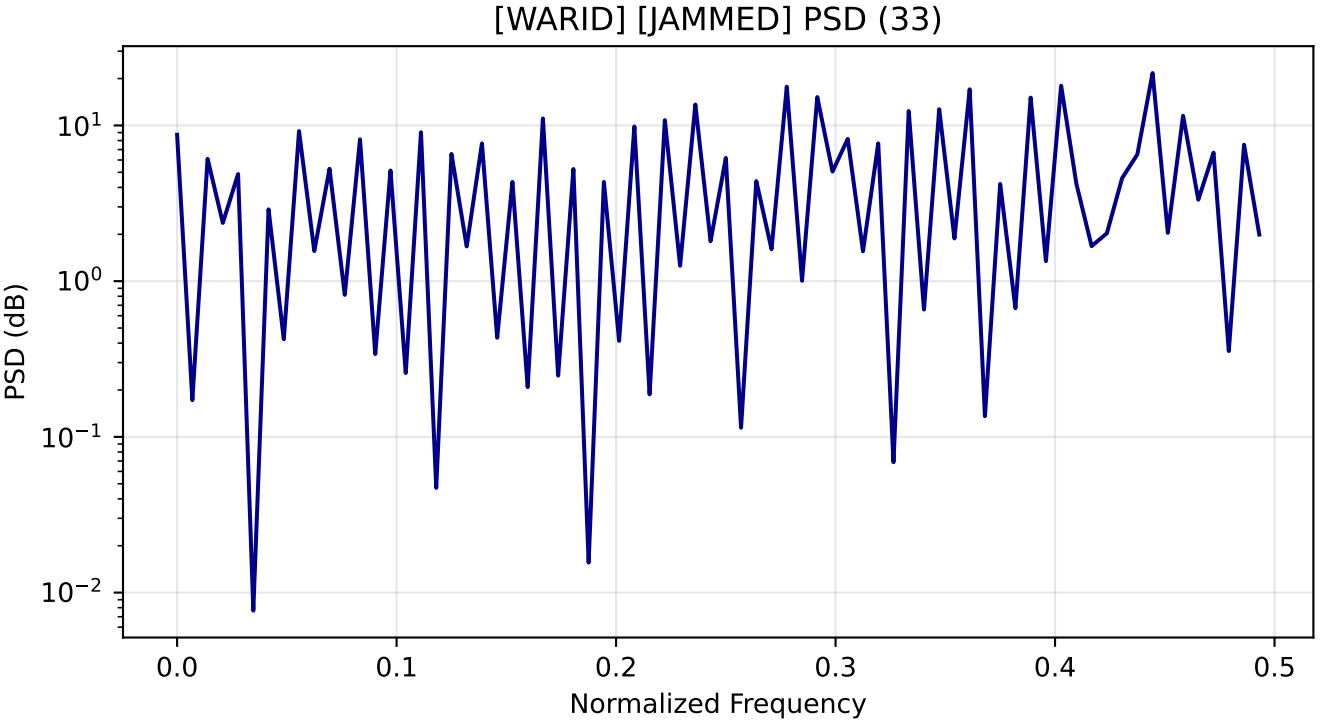

[WARID] Amplitude Dist (32)
Frequency
1.0
0.8
0.6
0.4
0.2
0.0
0.5
0.6
0.7
0.8
0.9
1.0
Amplitude


[WARID] Phase Dist (32)
Frequency
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.5
1.0
1.5
2.0
Phase (rad)

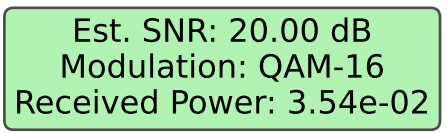

[WARID] [JAMMED] Constellation (33)
Msg: "[JAMMED] CORRUPTED DATA..."
Mod: QAM-16
NC: 64, CP: 8
0.0
−0.5
−1.0
−1.5
−2.0
−2.5
−2.0
−1.5
−1.0
−0.5
0.0
0.5

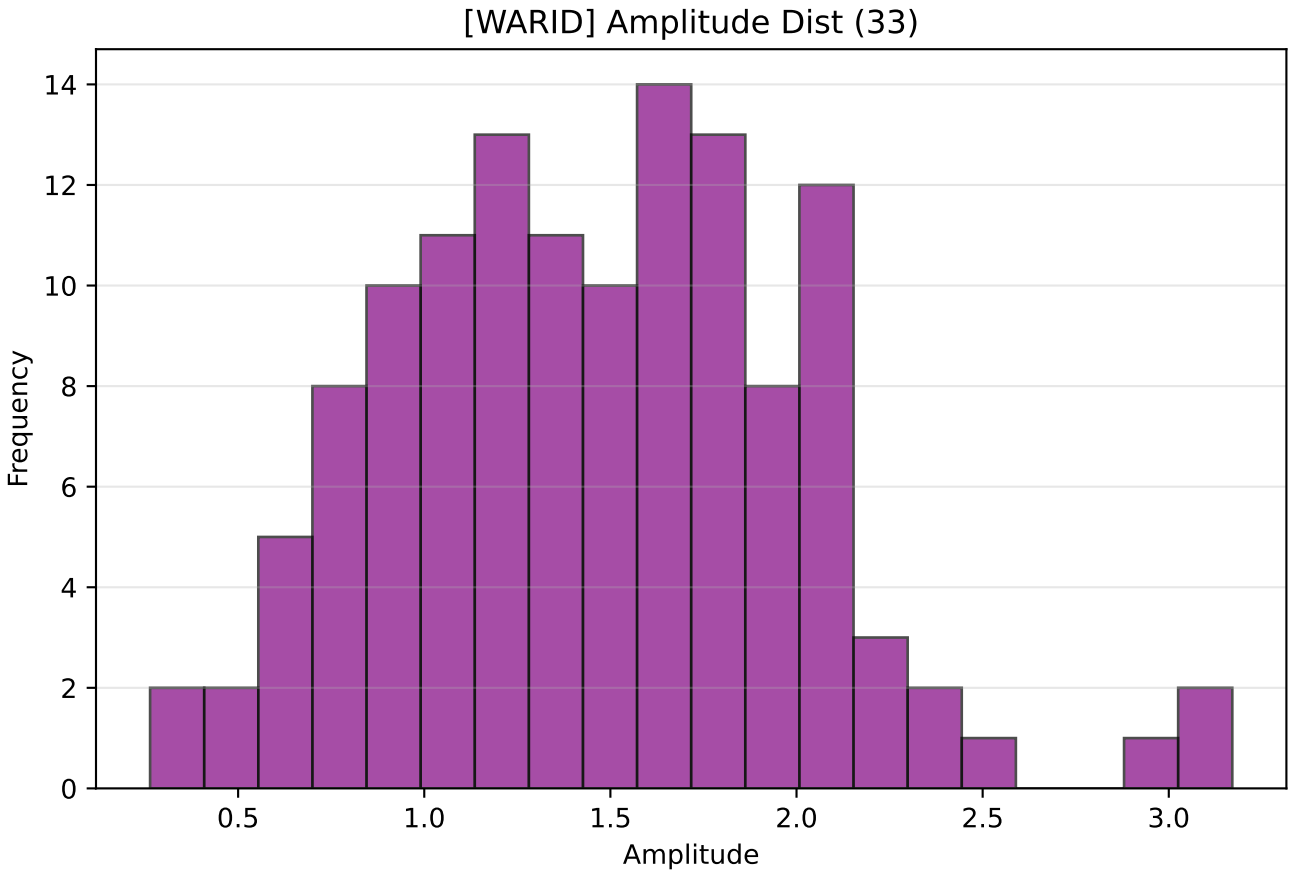

[WARID] [JAMMED] OFDM Time Domain (33)
0.2
0.0
−0.2
−0.4
−0.6
−0.8
−1.0
0
20
40
60
80
100
120
140
I
Q

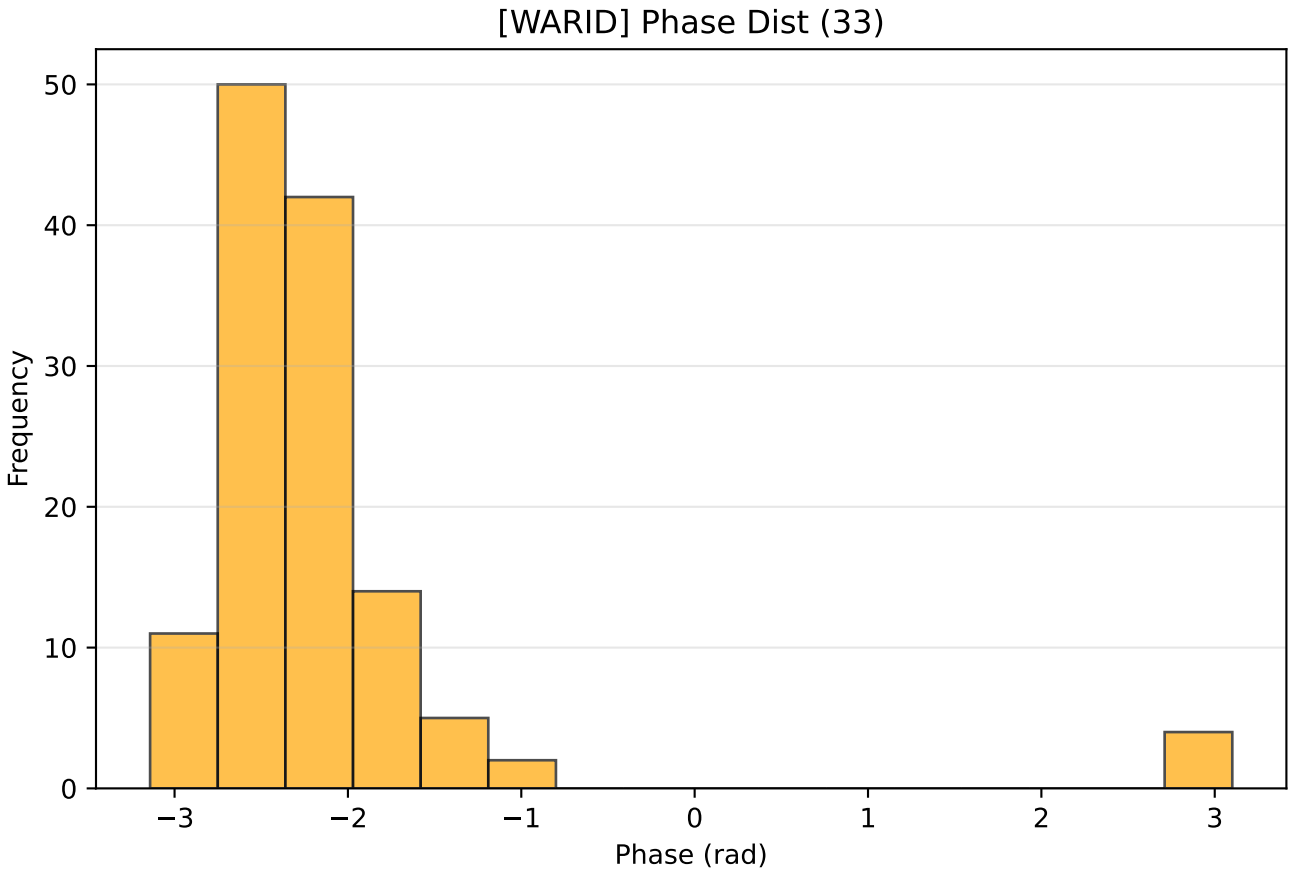

[WARID] [JAMMED] Power Envelope (33)
Power
2.0
1.5
1.0
0.5
0.0
0
20
40
60
80
100
120
140

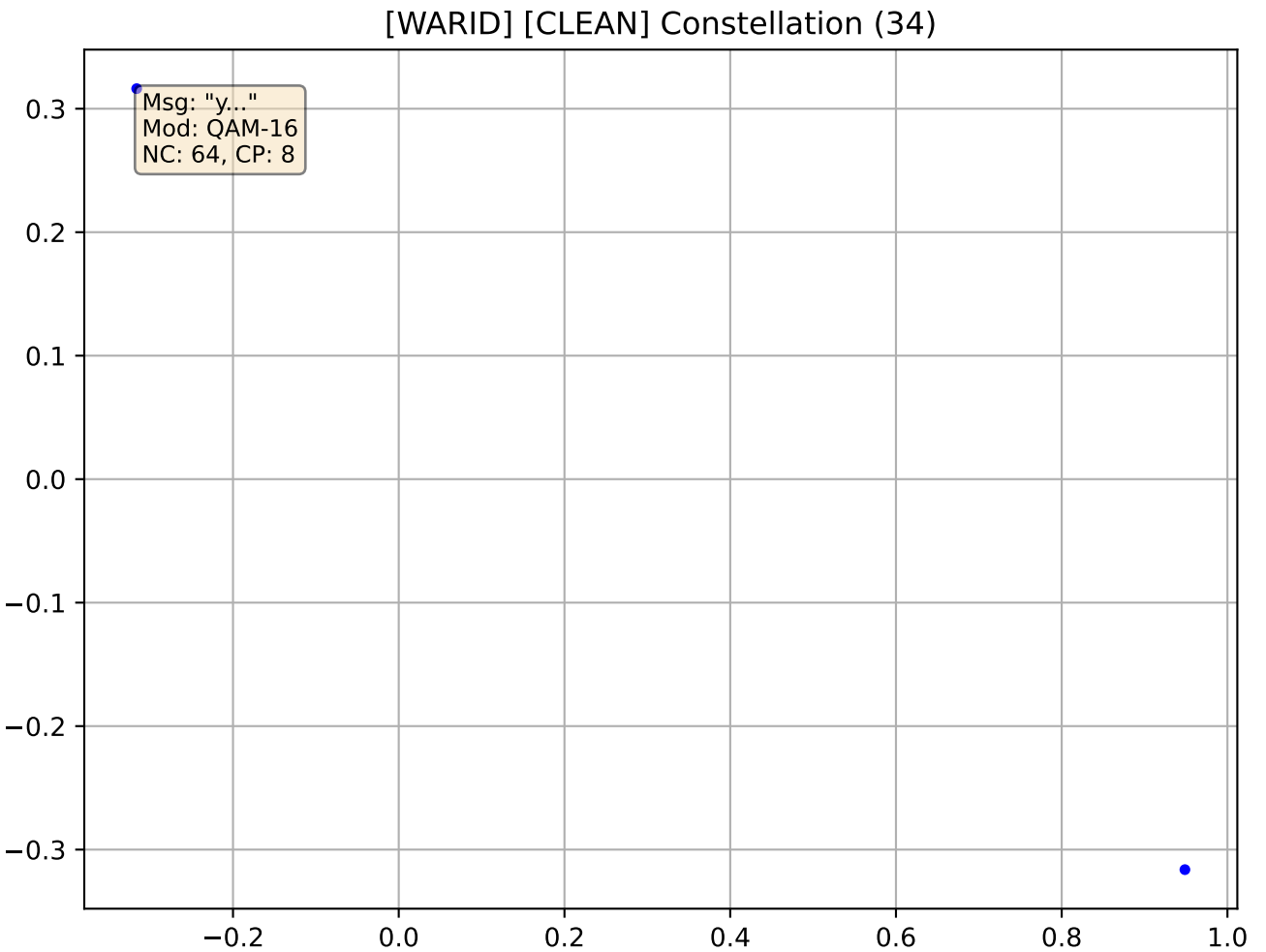

[WARID] [JAMMED] PSD (33)
PSD (dB)
10^{1}
10^{0}
10^{-1}
10^{-2}
0.0
0.1
0.2
0.3
0.4
0.5
Normalized Frequency

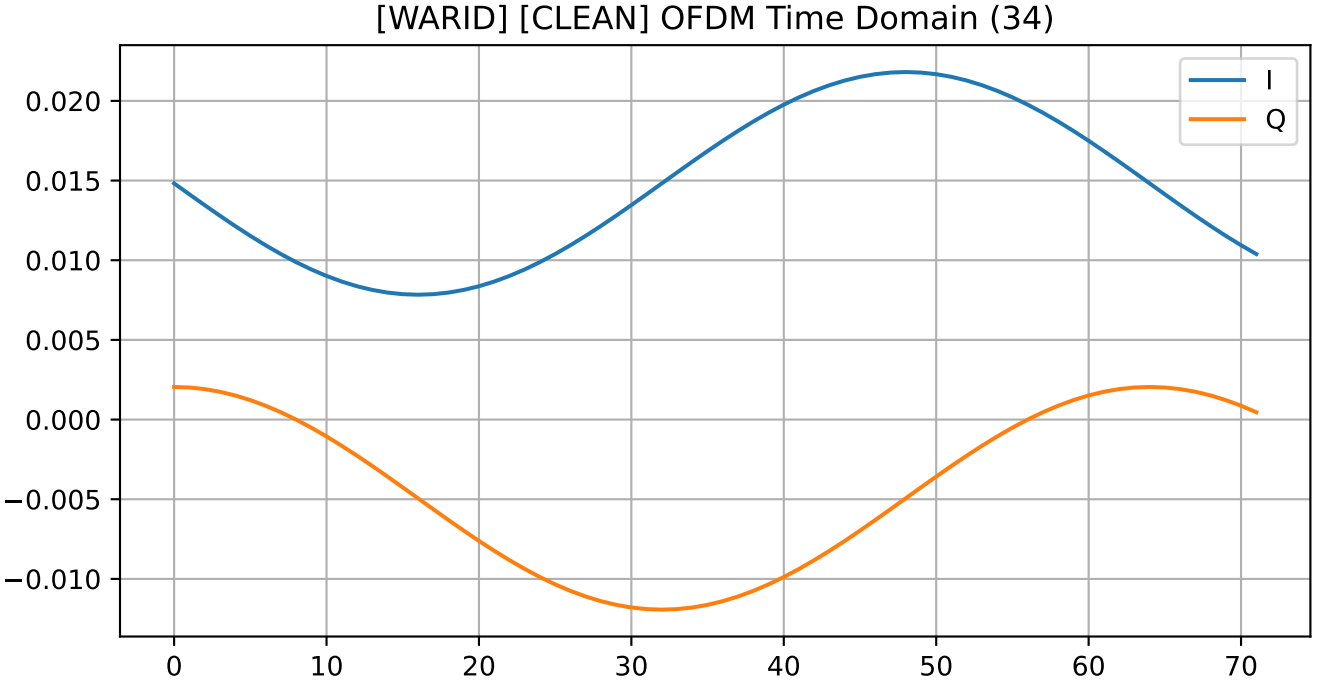
[WARID] [JAMMED] SNR (33)

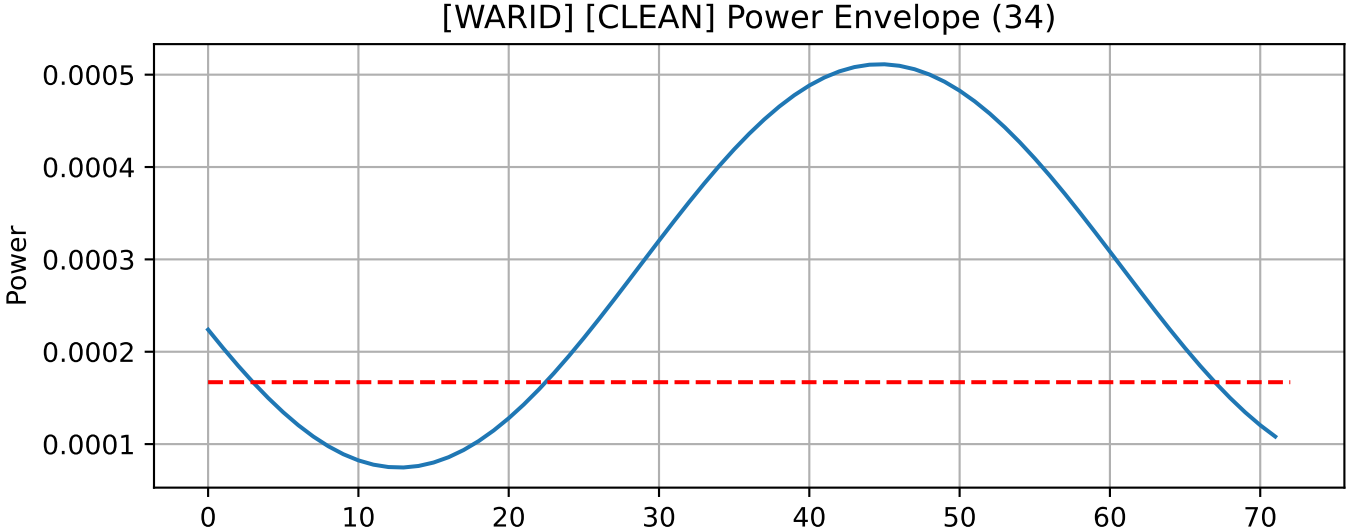


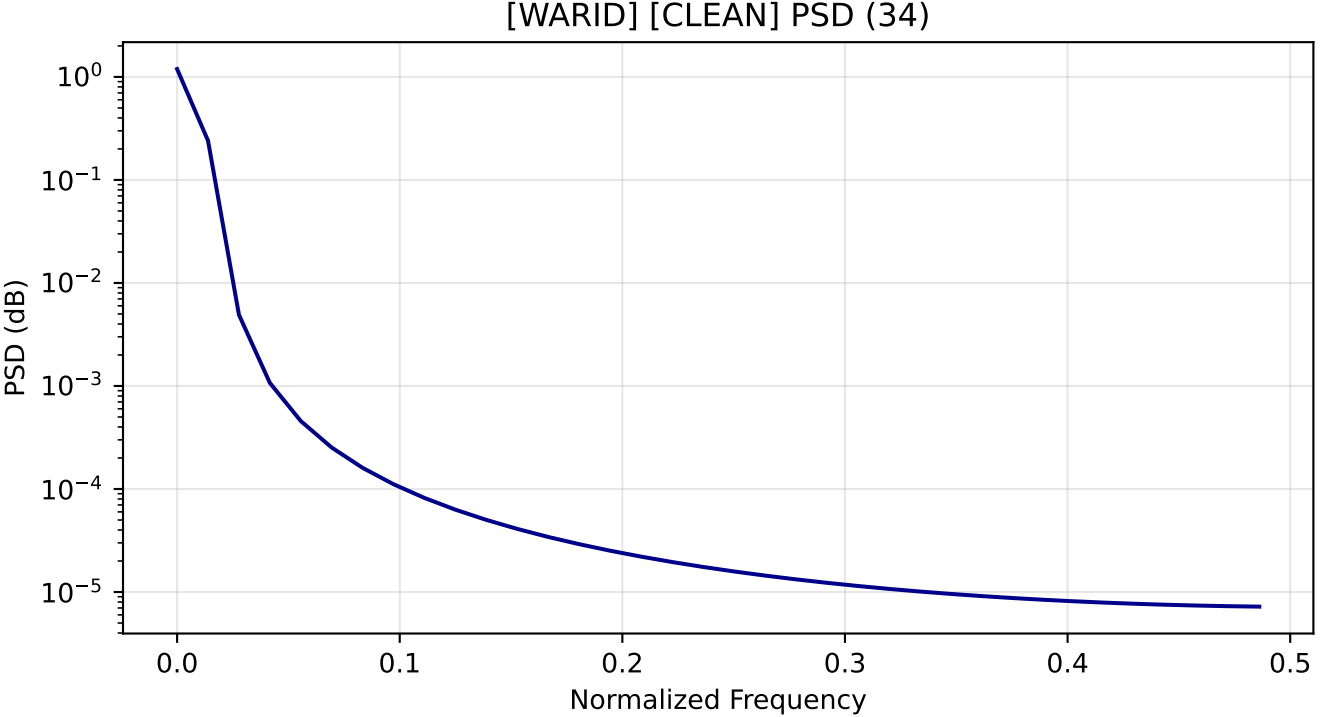

[WARID] Amplitude Dist (33)
Frequency
Amplitude
0
2
4
6
8
10
12
14
0.5
1.0
1.5
2.0
2.5
3.0


[WARID] Phase Dist (33)
Frequency
Phase (rad)
0
10
20
30
40
50
−3
−2
−1
0
1
2
3

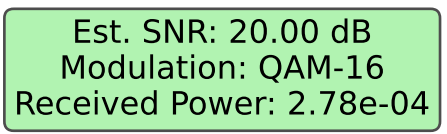

[WARID] [CLEAN] Constellation (34)
Msg: "y..."
Mod: QAM-16
NC: 64, CP: 8
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
−0.2
0.0
0.2
0.4
0.6
0.8
1.0

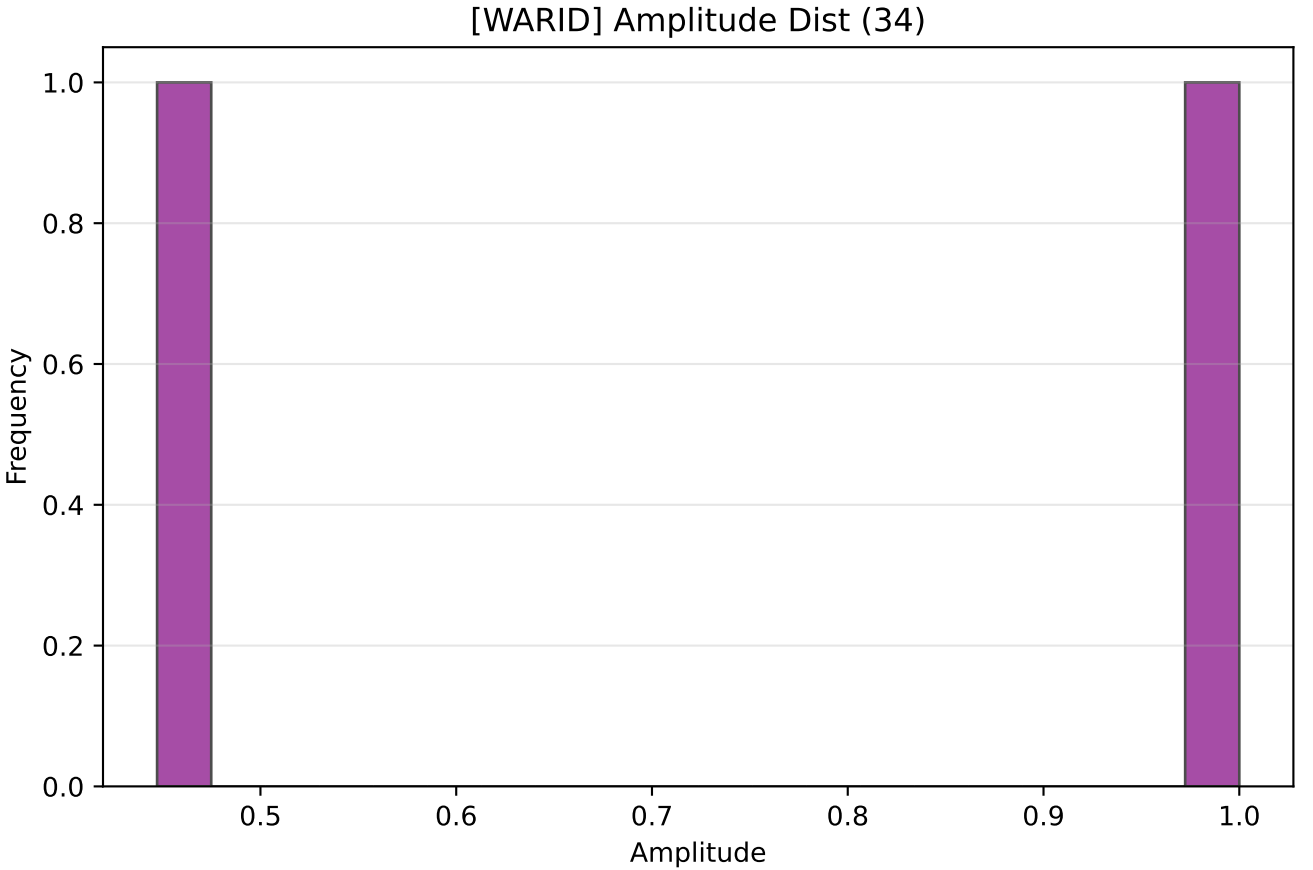

[WARID] [CLEAN] OFDM Time Domain (34)
I
Q
0.020
0.015
0.010
0.005
0.000
−0.005
−0.010
0
10
20
30
40
50
60
70

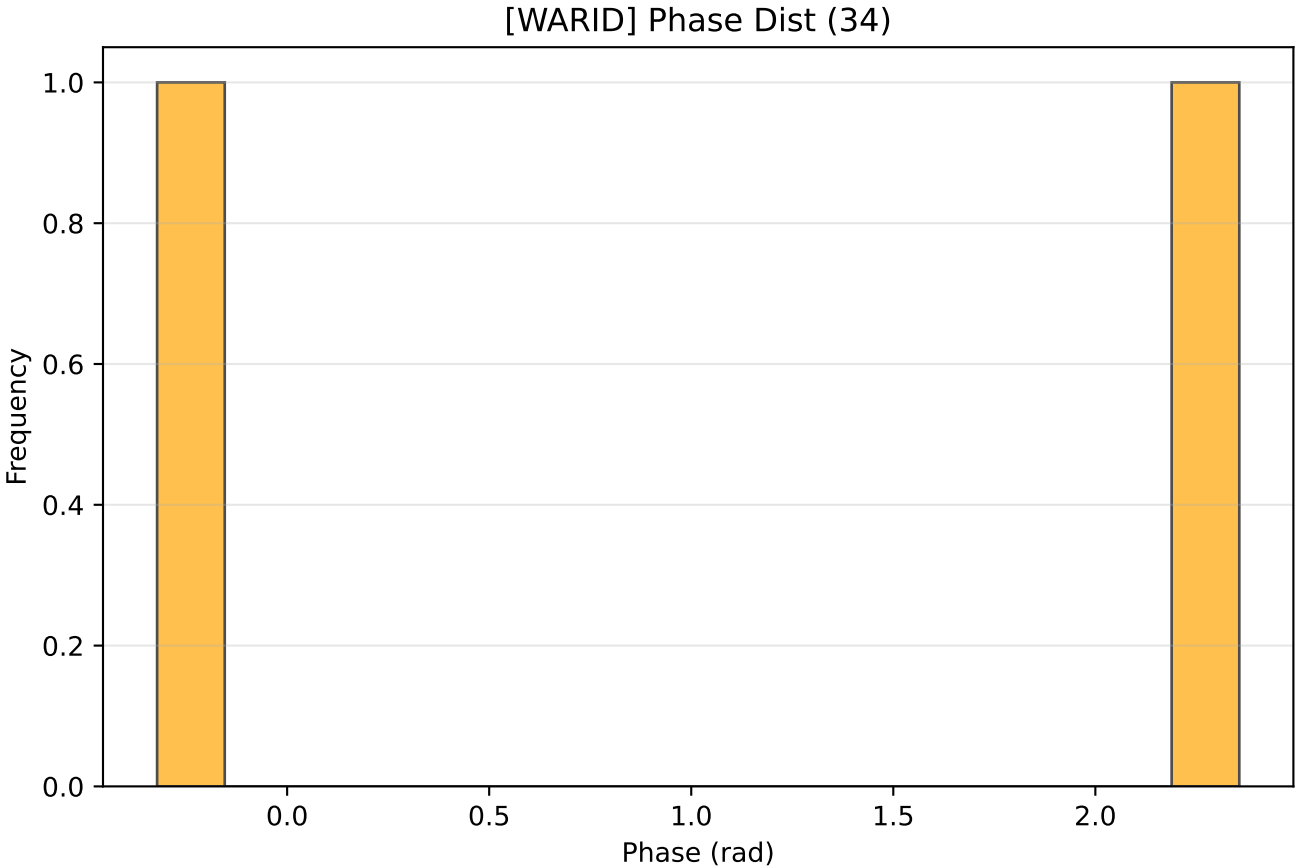

[WARID] [CLEAN] Power Envelope (34)
Power
0.0005
0.0004
0.0003
0.0002
0.0001
0
10
20
30
40
50
60
70

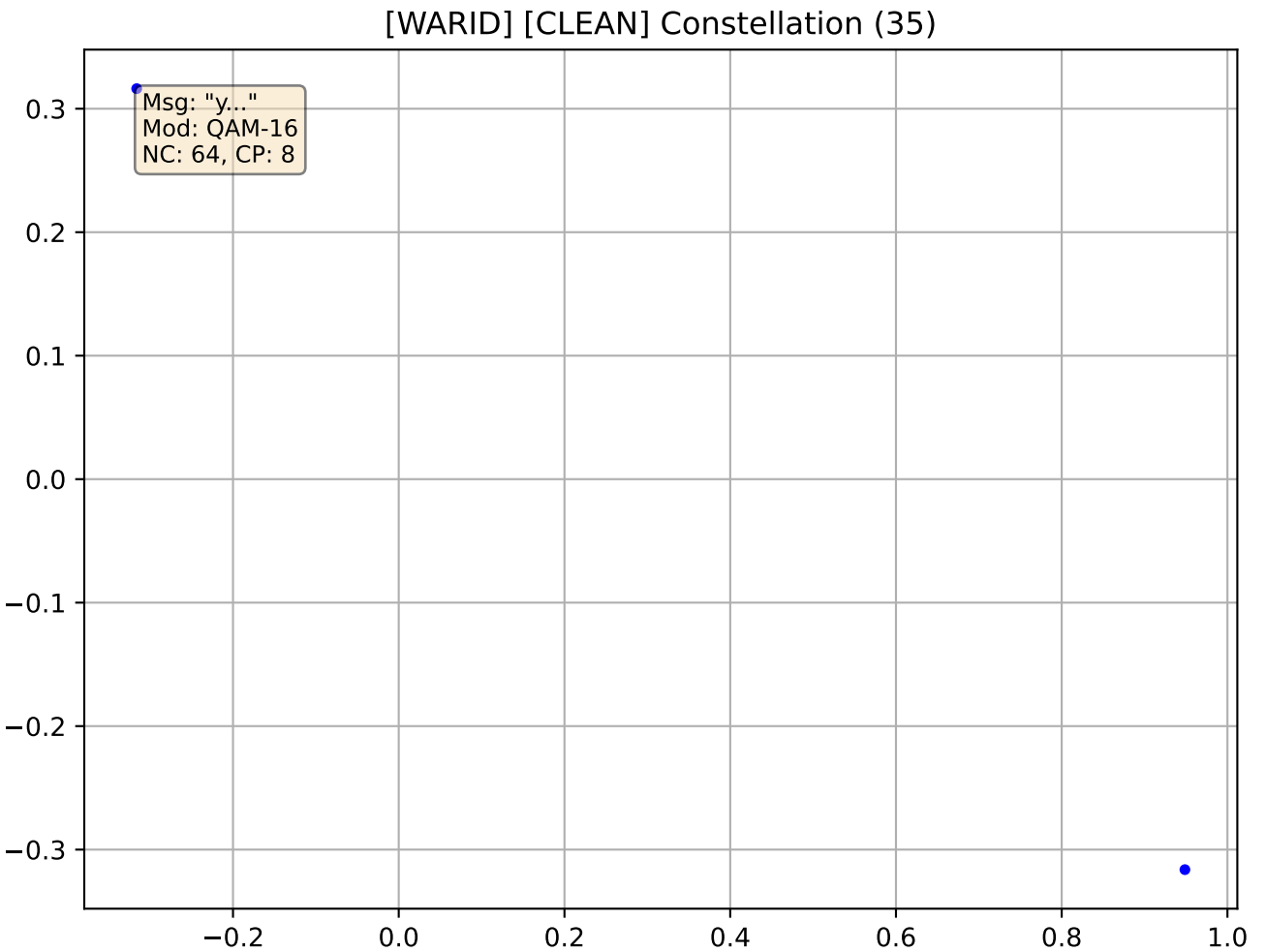

[WARID] [CLEAN] PSD (34)
PSD (dB)
10^{0}
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0.0
0.1
0.2
0.3
0.4
0.5
Normalized Frequency

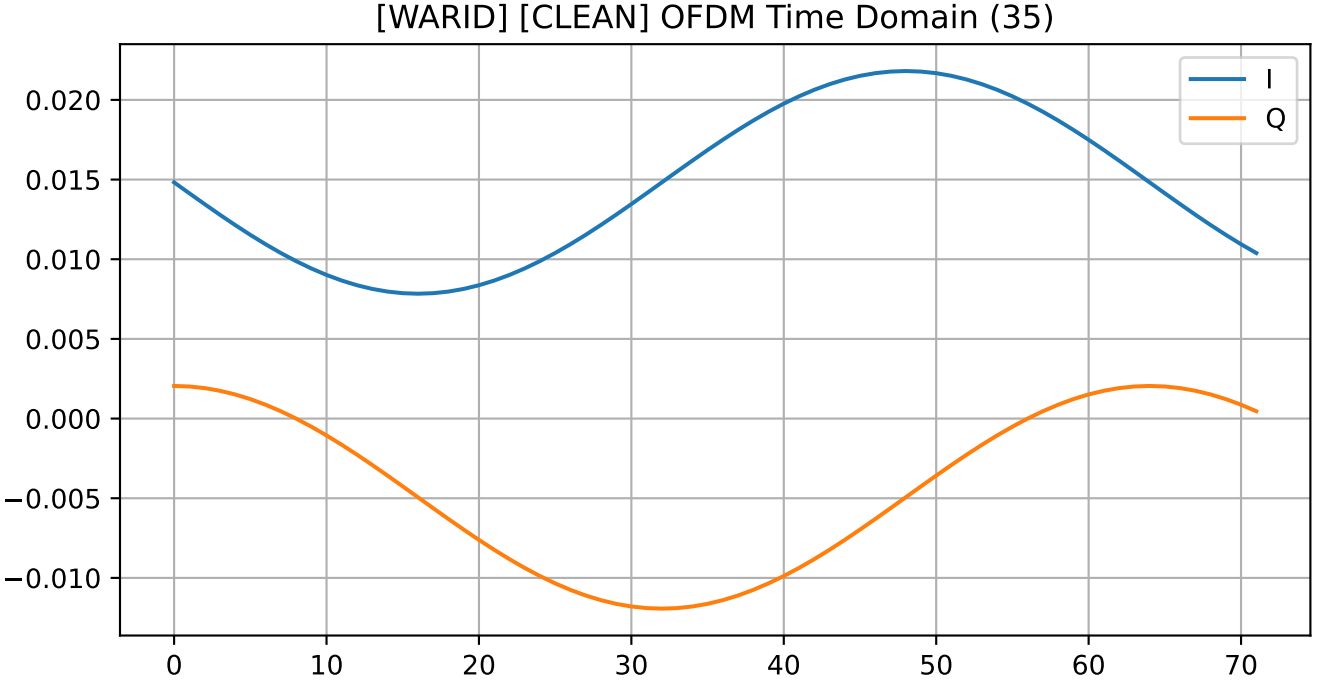
[WARID] [CLEAN] SNR (34)

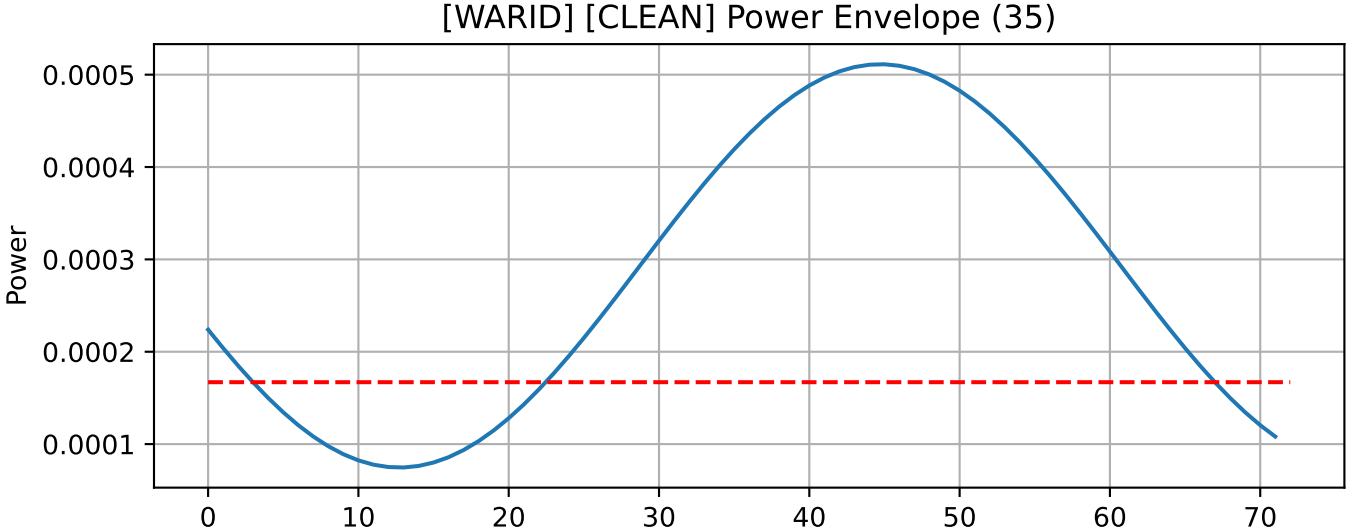


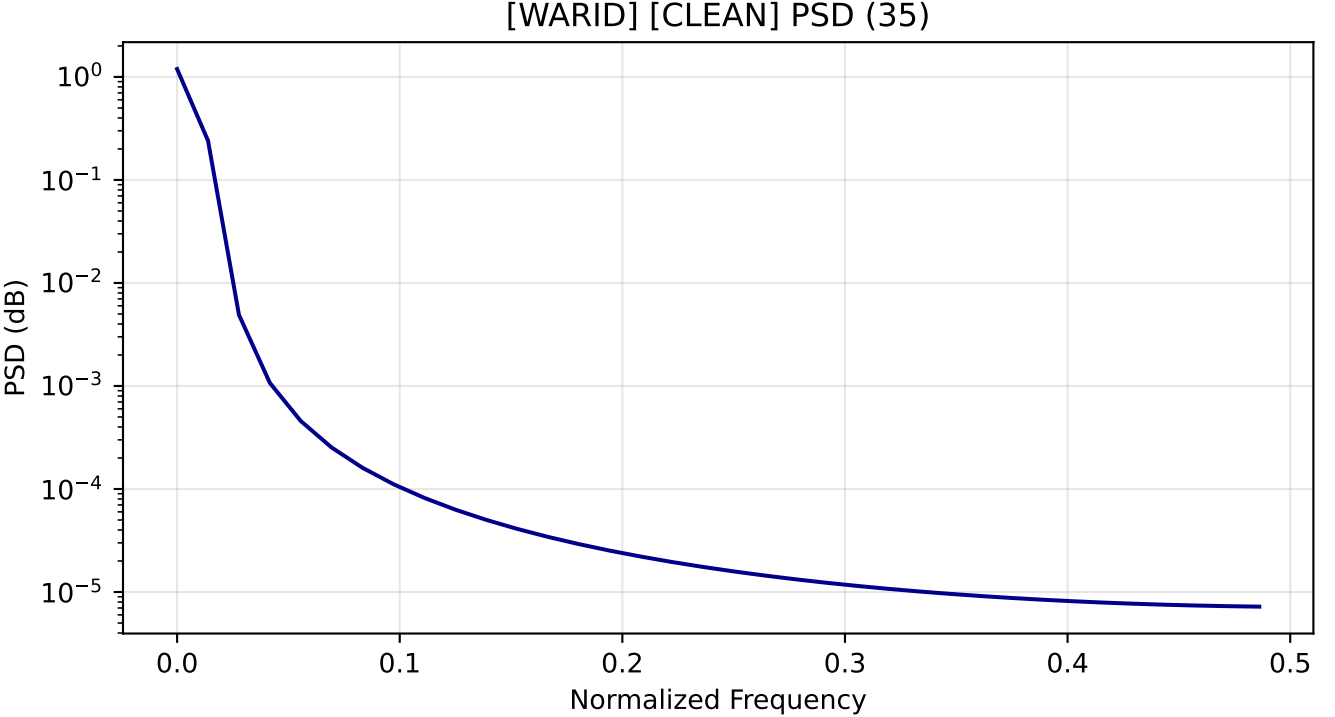

[WARID] Amplitude Dist (34)
Frequency
Amplitude
0.0
0.2
0.4
0.6
0.8
1.0
0.5
0.6
0.7
0.8
0.9
1.0


[WARID] Phase Dist (34)
Frequency
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.5
1.0
1.5
2.0
Phase (rad)


[WARID] [CLEAN] Constellation (35)
Msg: "y..."
Mod: QAM-16
NC: 64, CP: 8
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
−0.2
0.0
0.2
0.4
0.6
0.8
1.0

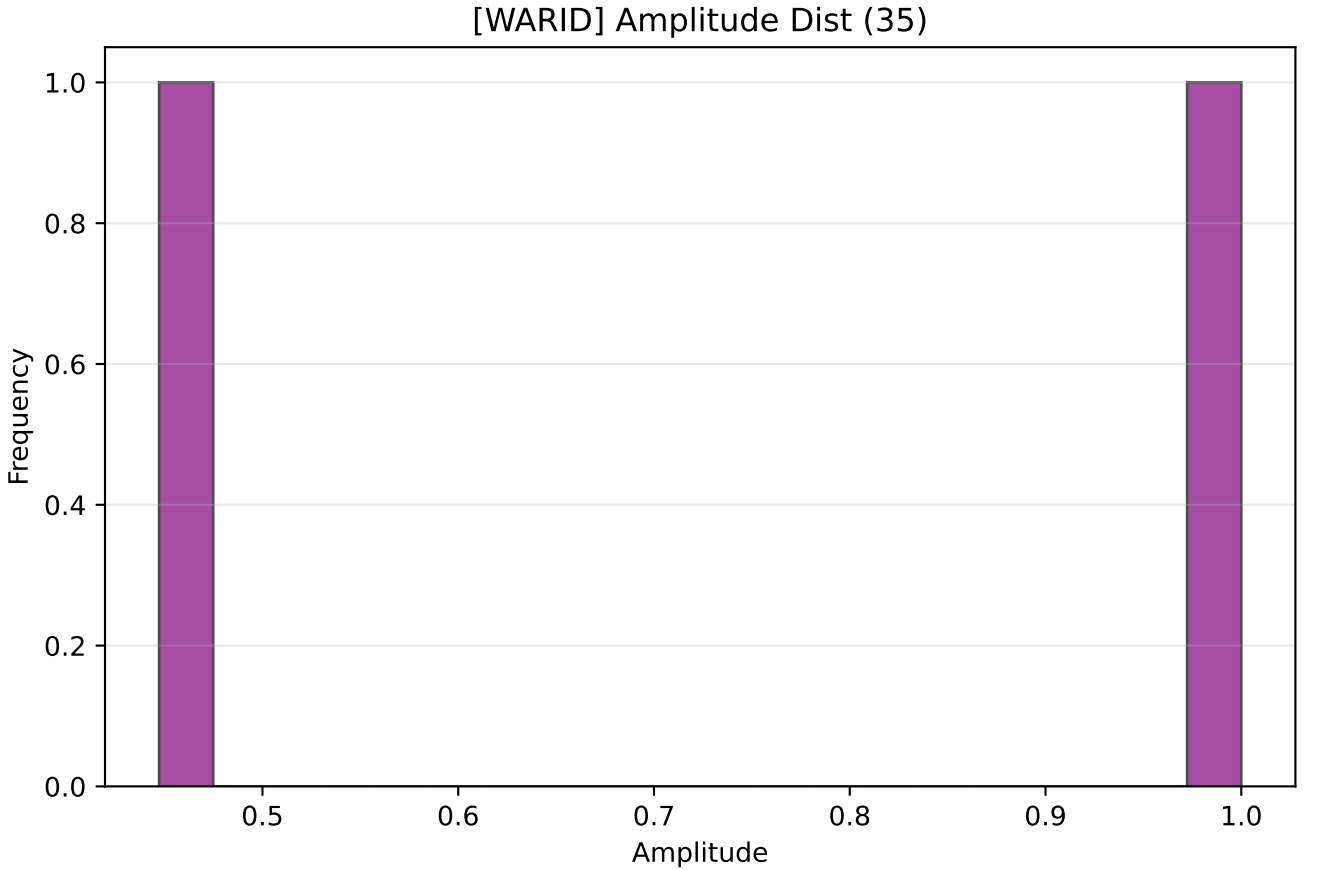

[WARID] [CLEAN] OFDM Time Domain (35)
I
Q
0.020
0.015
0.010
0.005
0.000
−0.005
−0.010
0
10
20
30
40
50
60
70

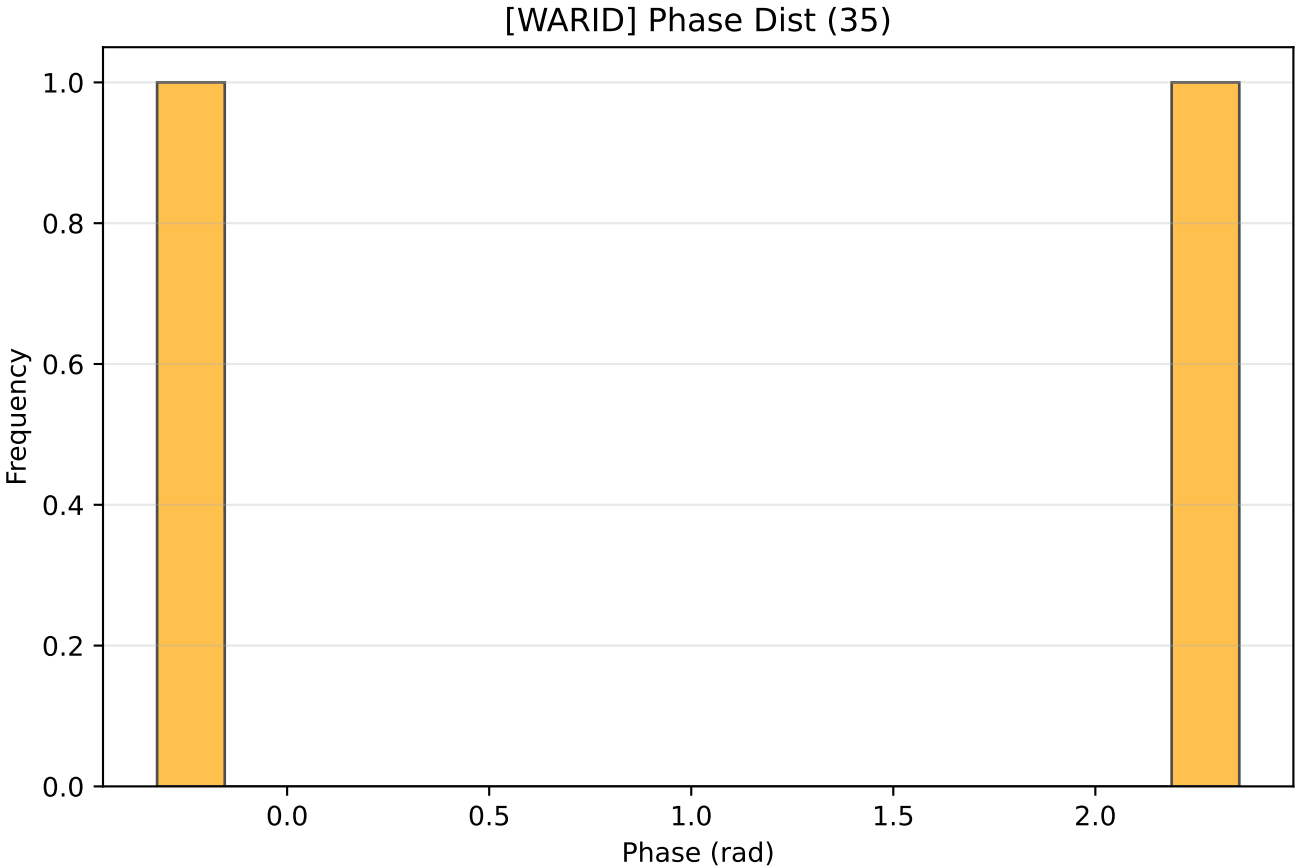

[WARID] [CLEAN] Power Envelope (35)
Power
0.0005
0.0004
0.0003
0.0002
0.0001
0
10
20
30
40
50
60
70

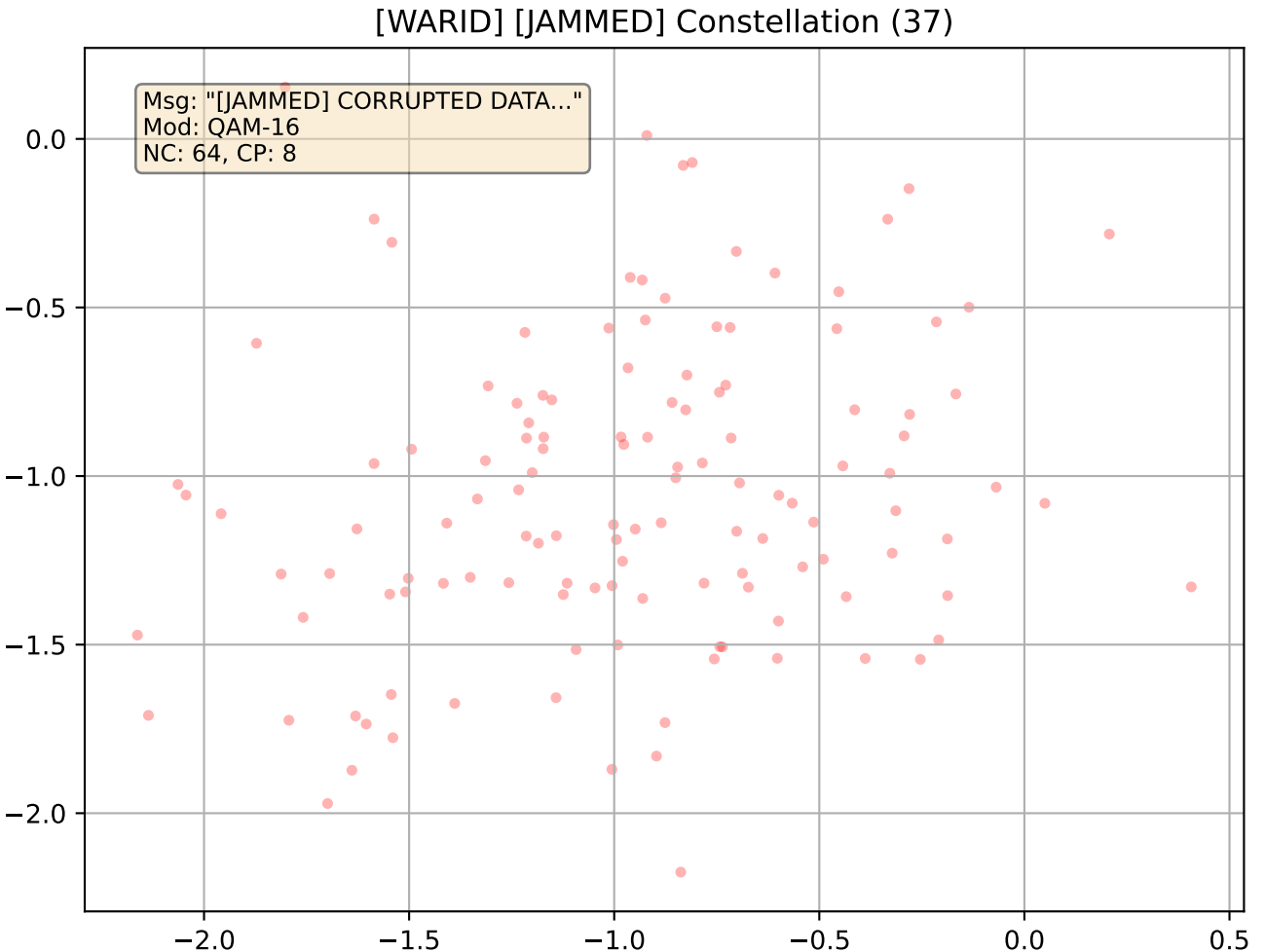

[WARID] [CLEAN] PSD (35)
PSD (dB)
10^{0}
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0.0
0.1
0.2
0.3
0.4
0.5
Normalized Frequency

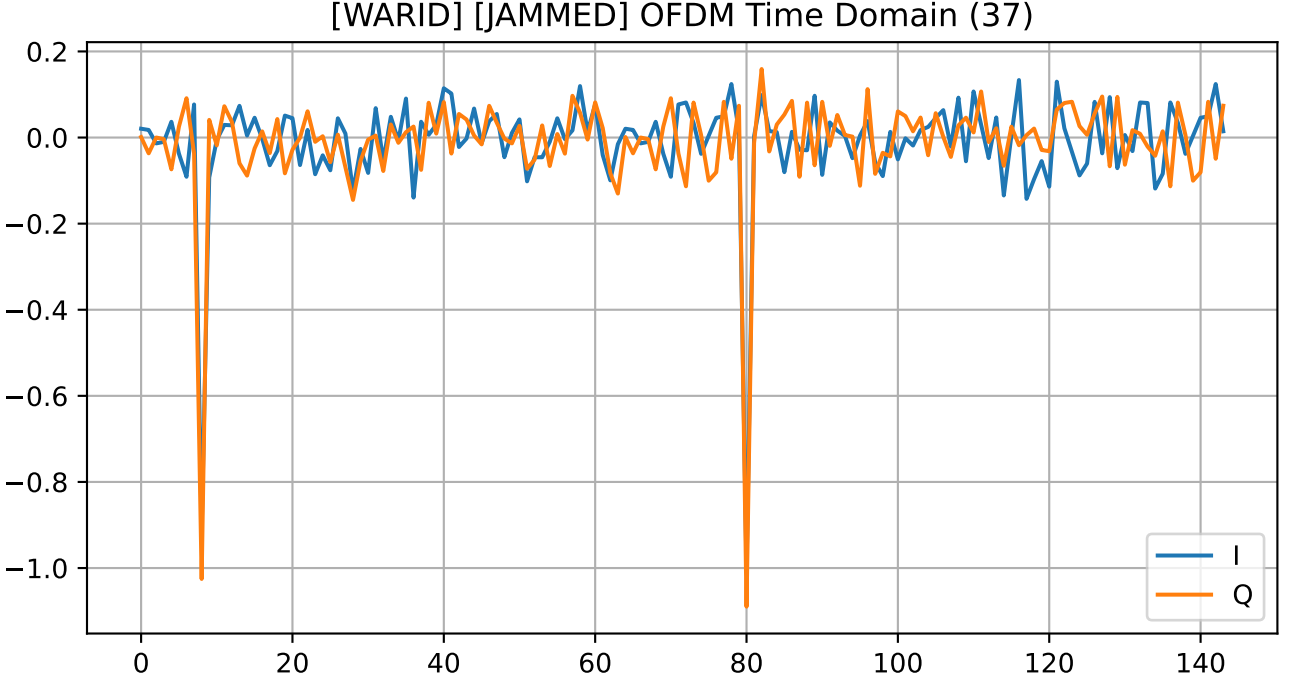
[WARID] [CLEAN] SNR (35)

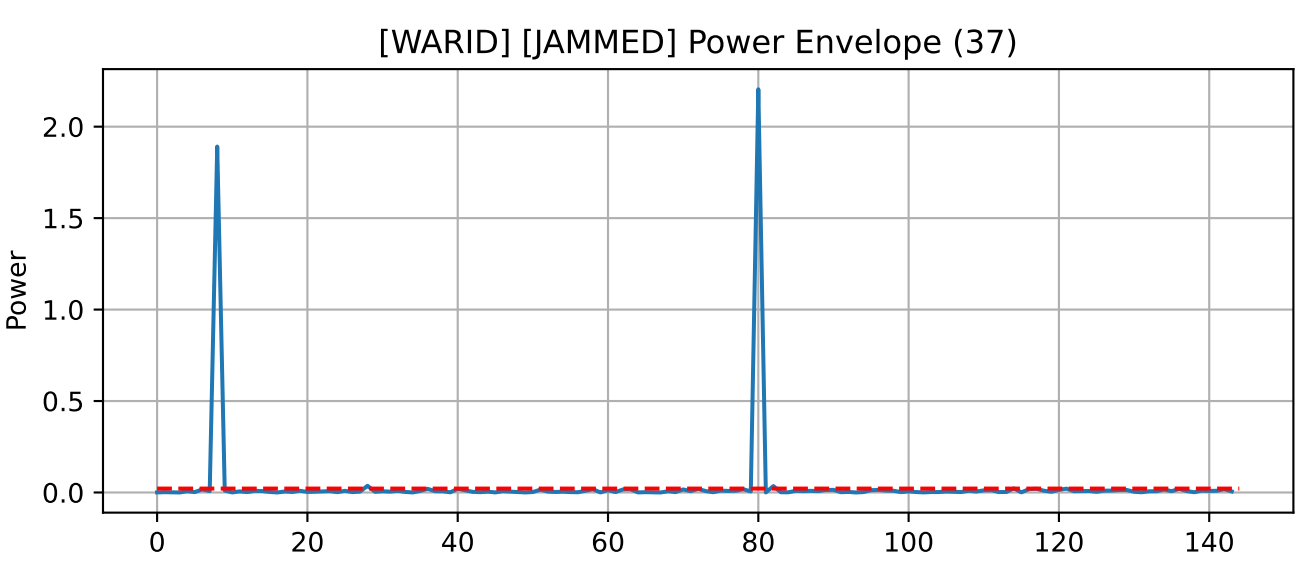
Est. SNR: 20.00 dB
Modulation: QAM-16
Received Power: 2.78e-04

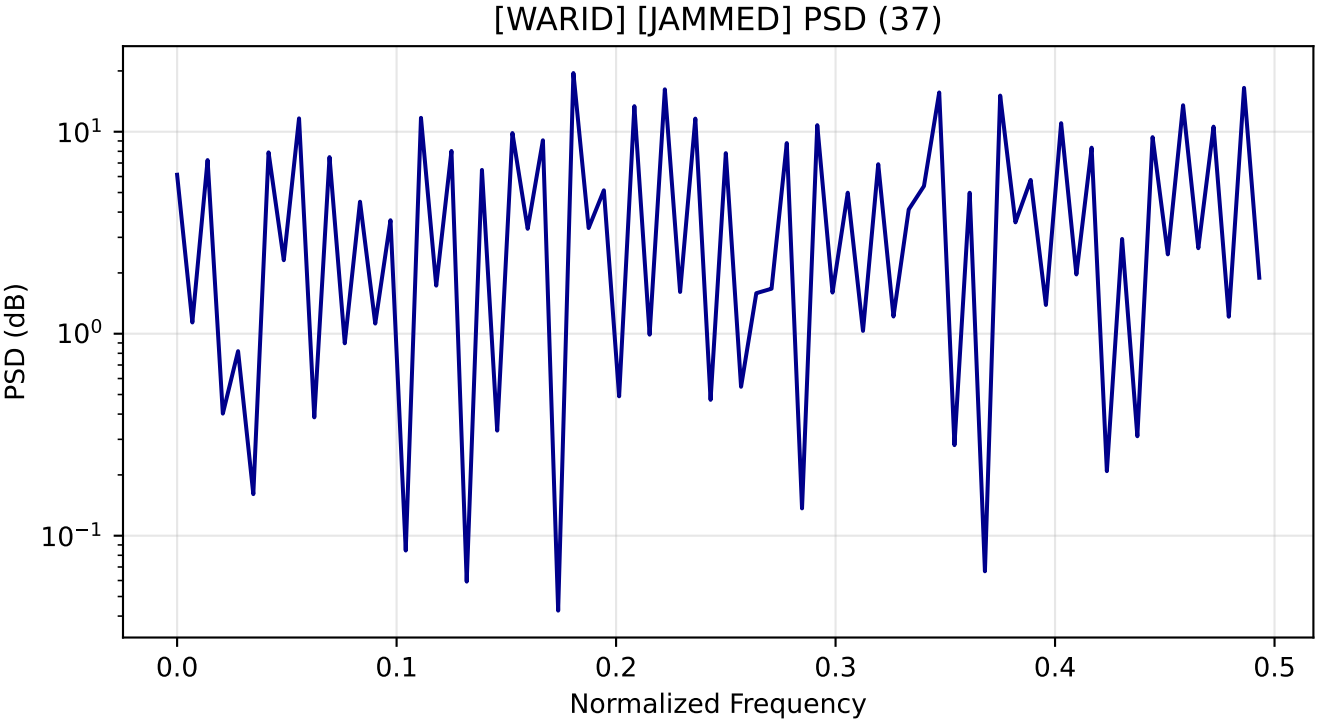

[WARID] Amplitude Dist (35)
Frequency
Amplitude
0.0
0.2
0.4
0.6
0.8
1.0
0.5
0.6
0.7
0.8
0.9
1.0


[WARID] Phase Dist (35)
Frequency
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.5
1.0
1.5
2.0
Phase (rad)


[WARID] [JAMMED] Constellation (37)
Msg: "[JAMMED] CORRUPTED DATA..."
Mod: QAM-16
NC: 64, CP: 8
0.0
−0.5
−1.0
−1.5
−2.0
−2.0
−1.5
−1.0
−0.5
0.0
0.5

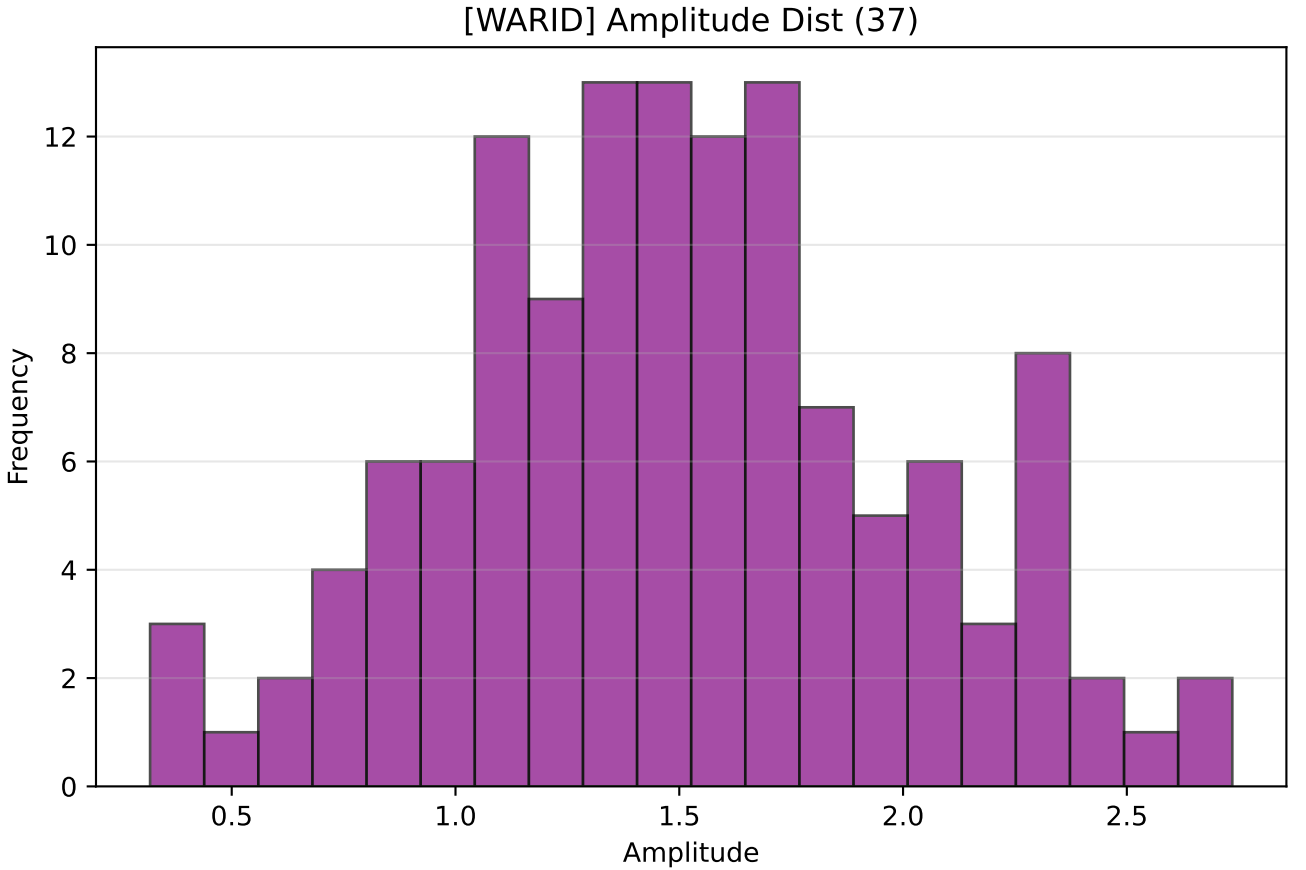

[WARID] [JAMMED] OFDM Time Domain (37)
0.2
0.0
−0.2
−0.4
−0.6
−0.8
−1.0
0
20
40
60
80
100
120
140
I
Q

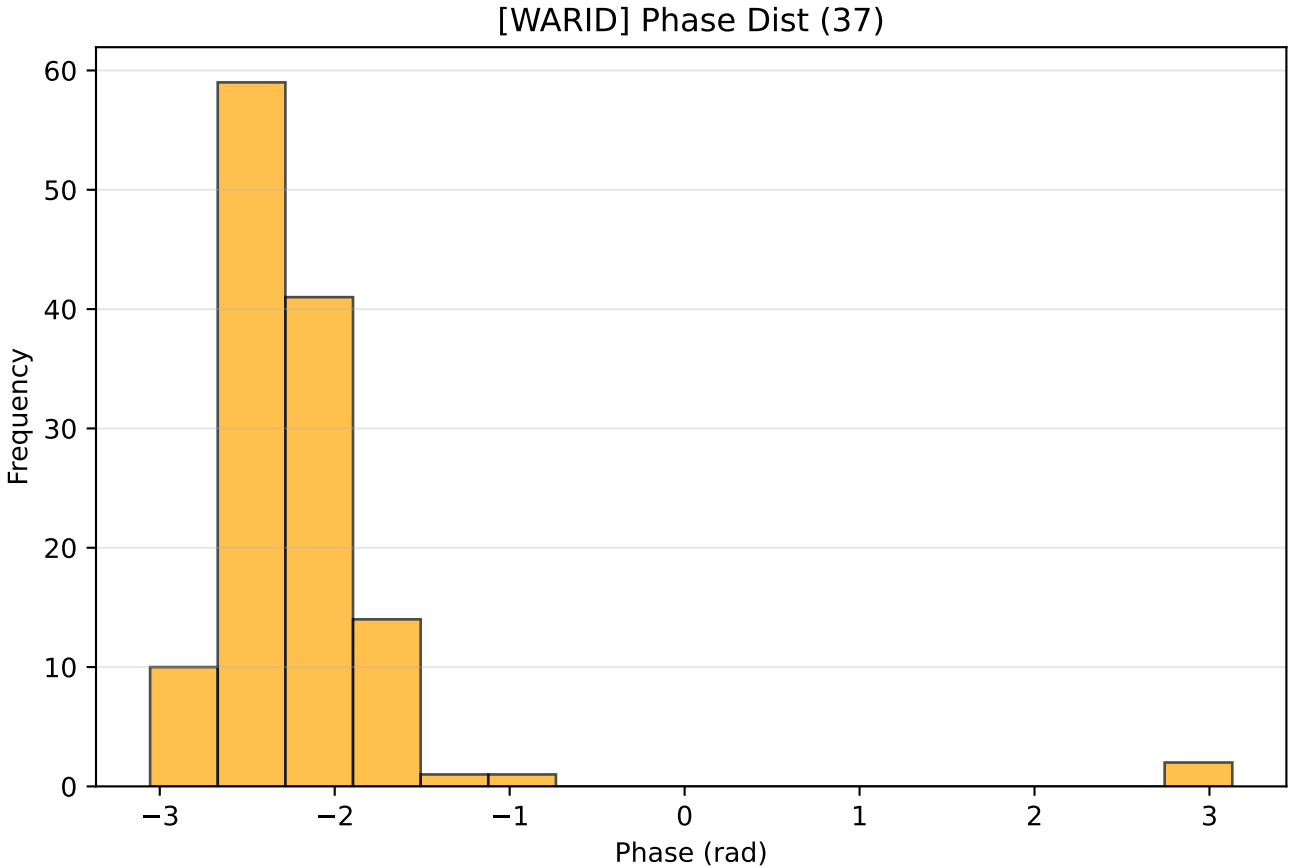

[WARID] [JAMMED] Power Envelope (37)
Power
2.0
1.5
1.0
0.5
0.0
0
20
40
60
80
100
120
140

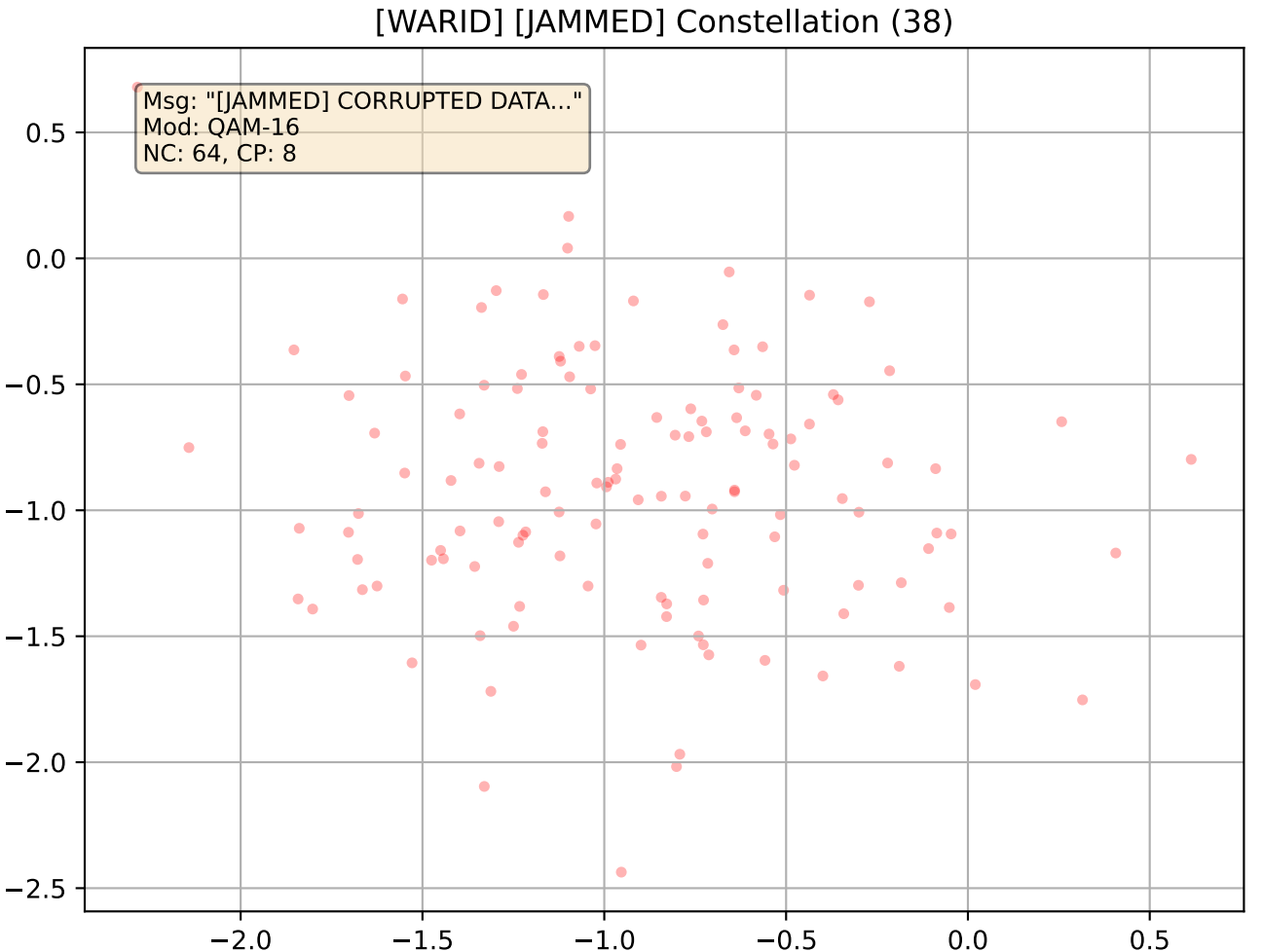

[WARID] [JAMMED] PSD (37)
PSD (dB)
10^{1}
10^{0}
10^{-1}
0.0
0.1
0.2
0.3
0.4
0.5
Normalized Frequency

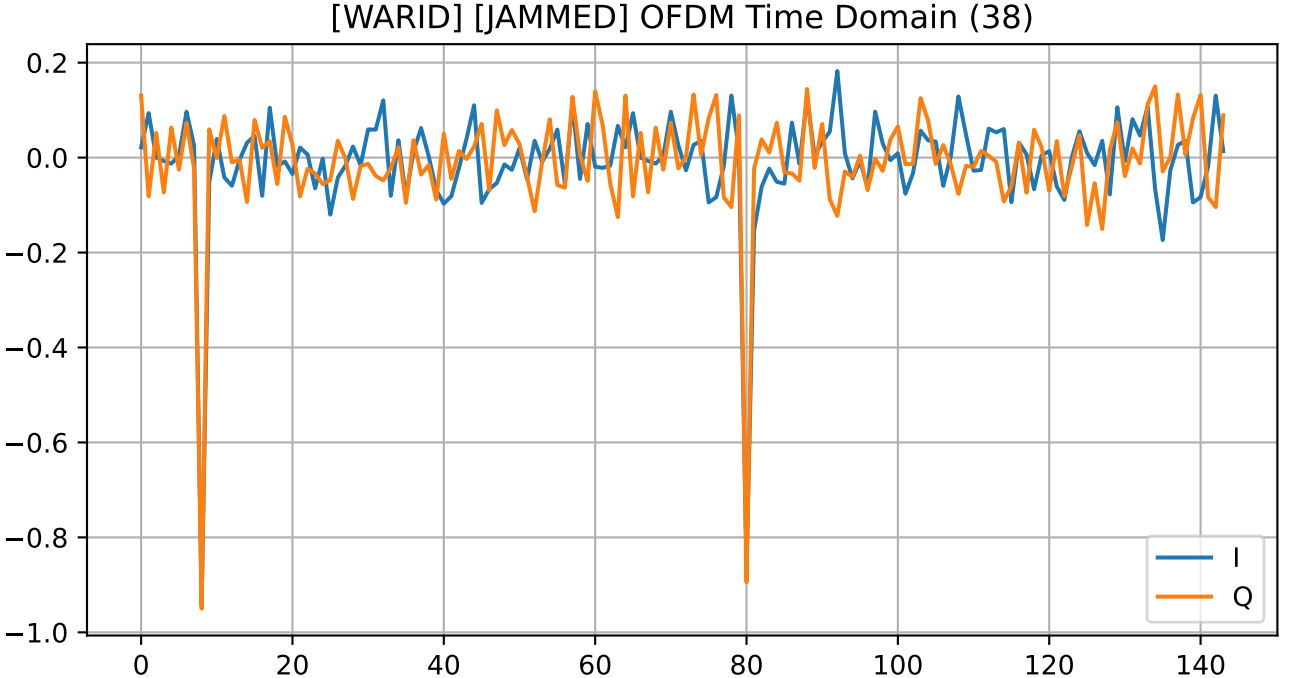
[WARID] [JAMMED] SNR (37)

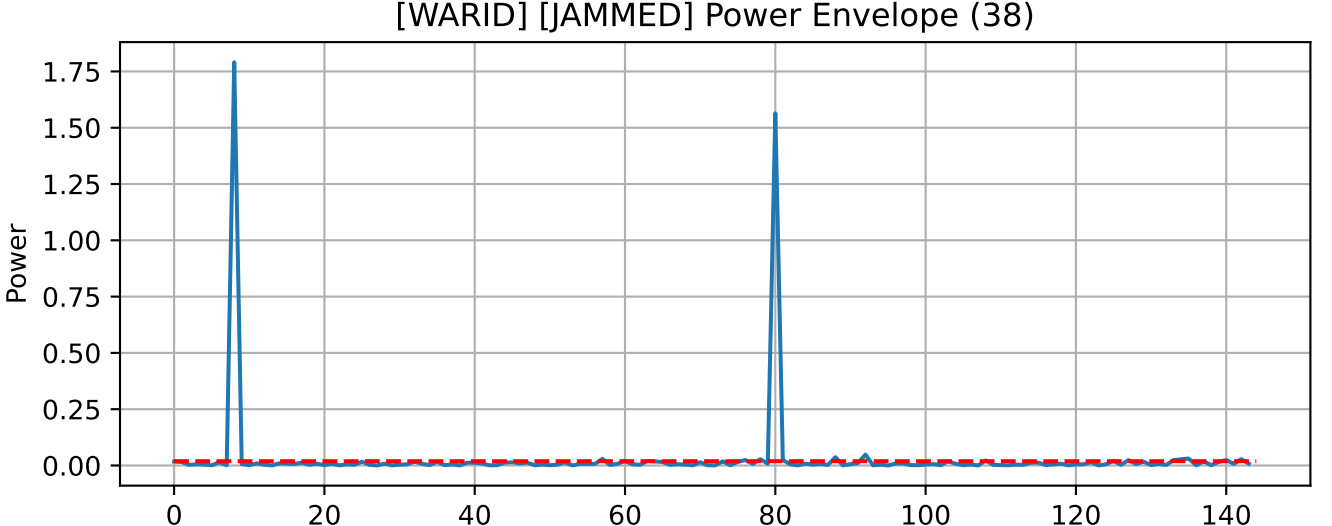
Est. SNR: 20.00 dB
Modulation: QAM-16
Received Power: 3.57e-02

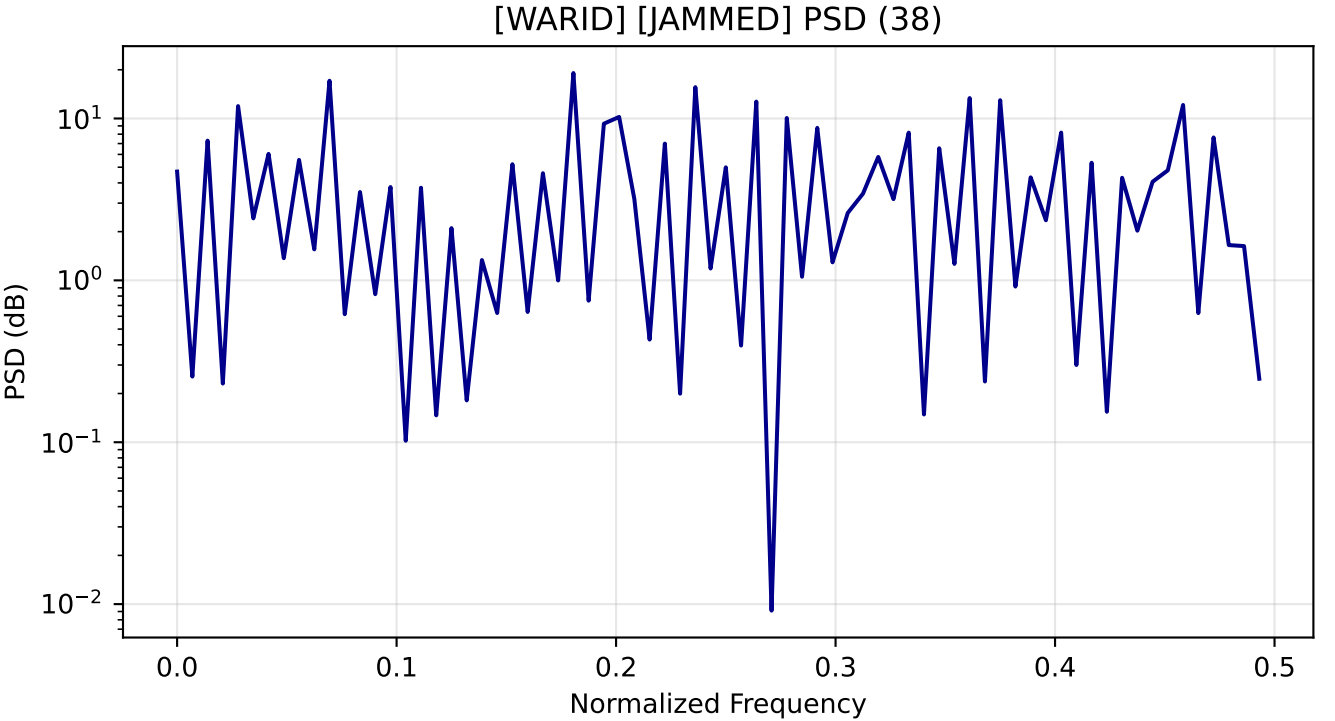

[WARID] Amplitude Dist (37)
Frequency
Amplitude
0
2
4
6
8
10
12
0.5
1.0
1.5
2.0
2.5


[WARID] Phase Dist (37)
Frequency
Phase (rad)
0
10
20
30
40
50
60
−3
−2
−1
0
1
2
3

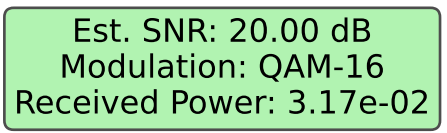

[WARID] [JAMMED] Constellation (38)
Msg: "[JAMMED] CORRUPTED DATA..."
Mod: QAM-16
NC: 64, CP: 8
0.5
0.0
−0.5
−1.0
−1.5
−2.0
−2.5
−2.0
−1.5
−1.0
−0.5
0.0
0.5

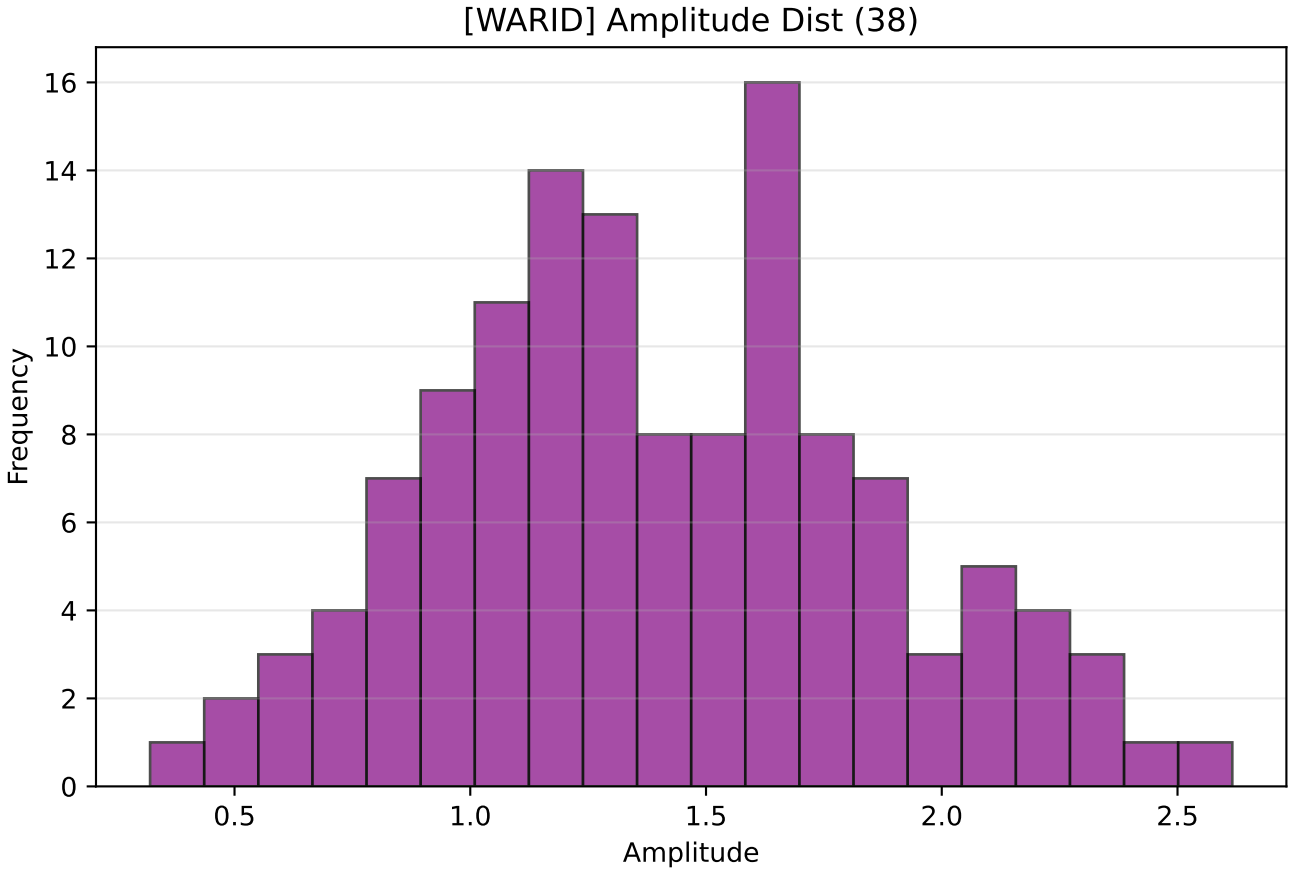

[WARID] [JAMMED] OFDM Time Domain (38)
0.2
0.0
−0.2
−0.4
−0.6
−0.8
−1.0
0
20
40
60
80
100
120
140
I
Q

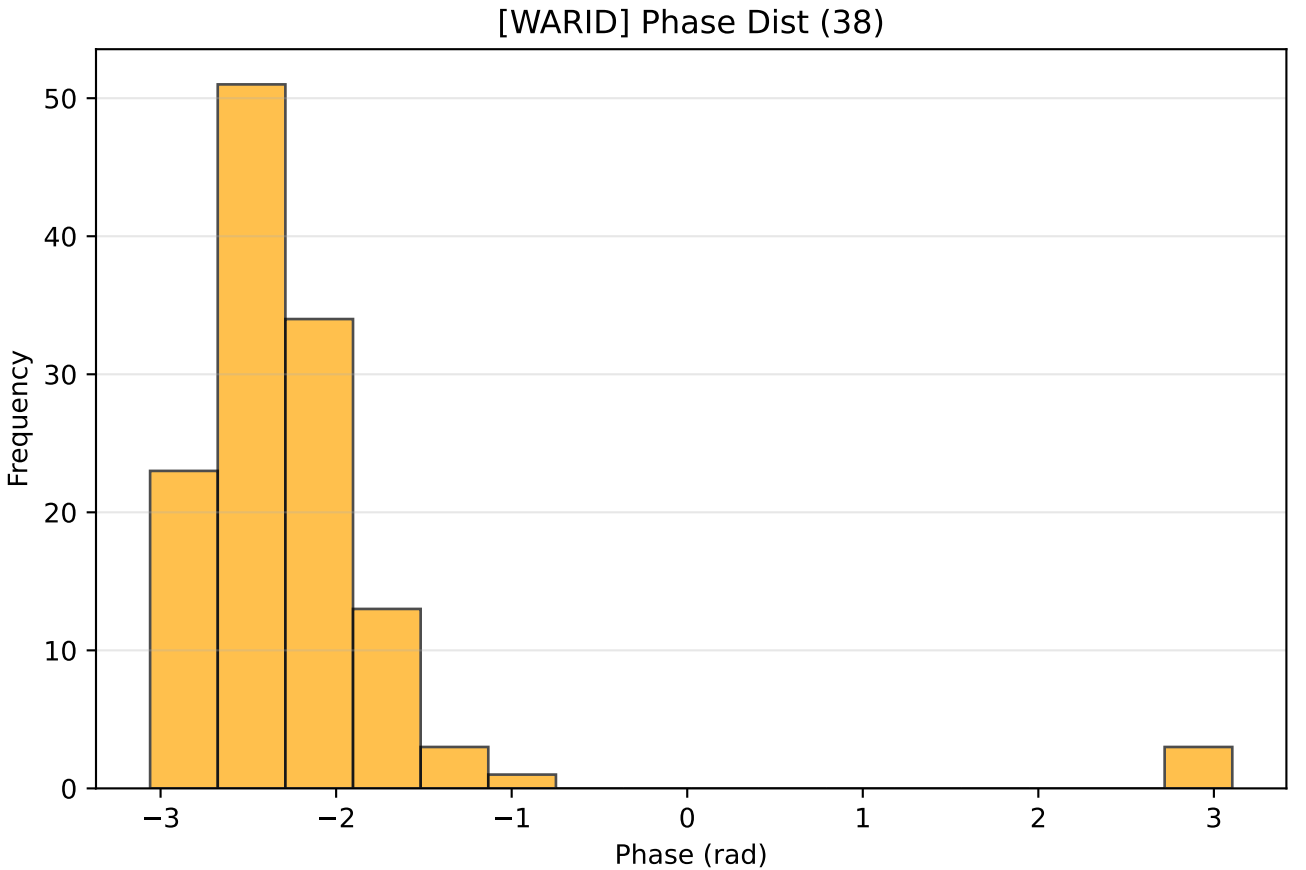

[WARID] [JAMMED] Power Envelope (38)
Power
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
0
20
40
60
80
100
120
140

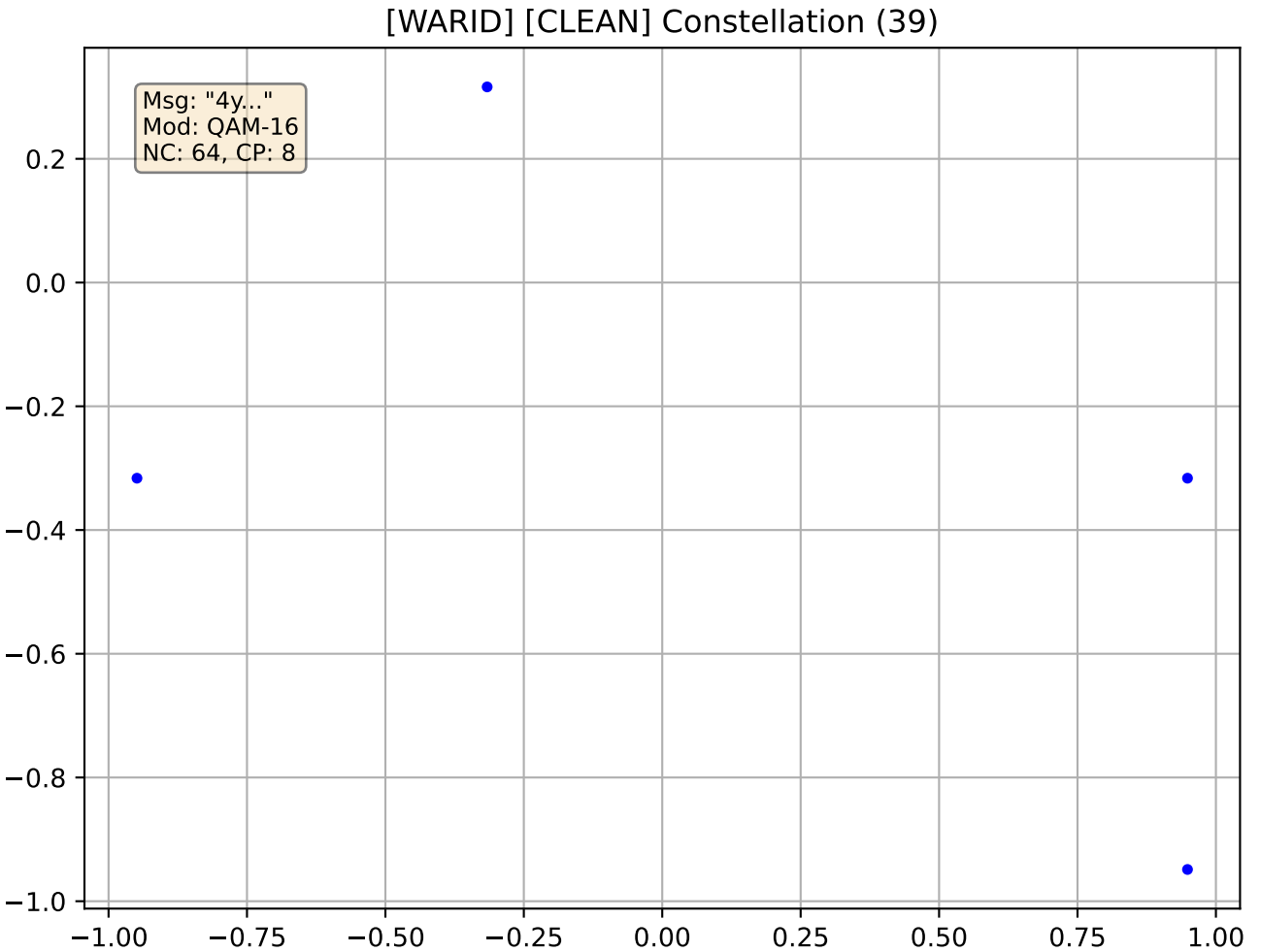

[WARID] [JAMMED] PSD (38)
PSD (dB)
10^{1}
10^{0}
10^{-1}
10^{-2}
0.0
0.1
0.2
0.3
0.4
0.5
Normalized Frequency

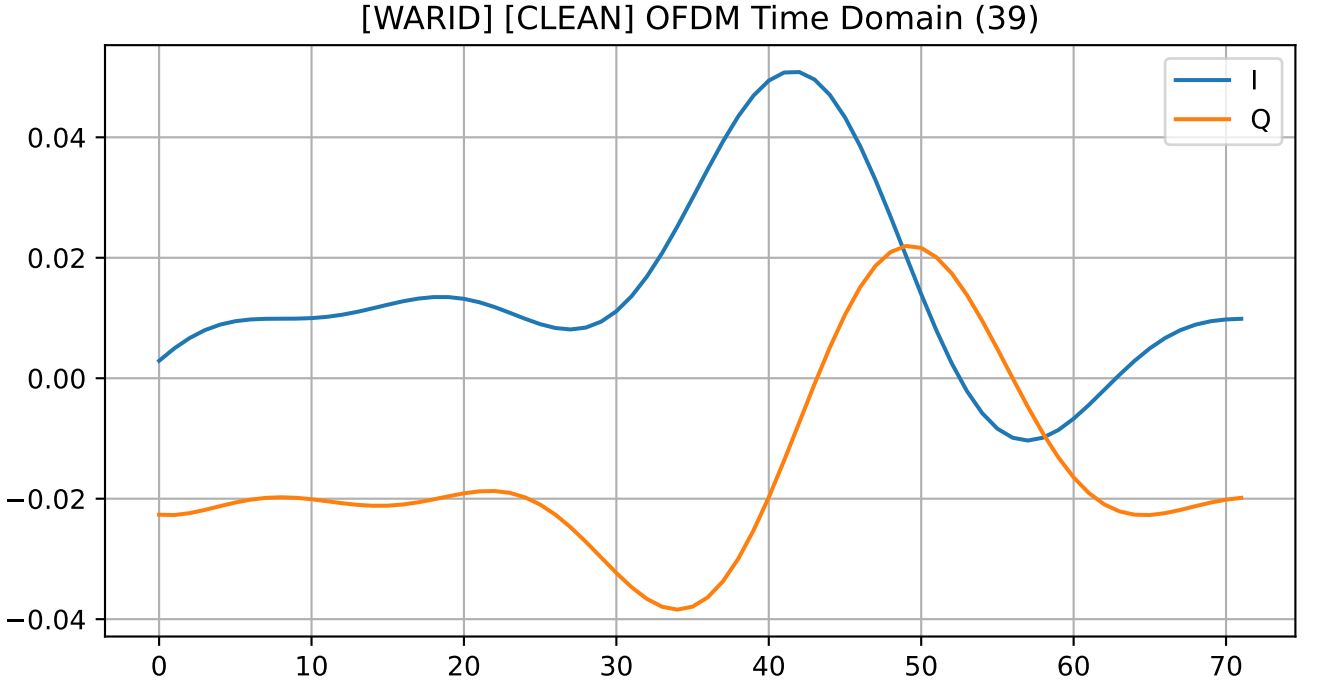
[WARID] [JAMMED] SNR (38)

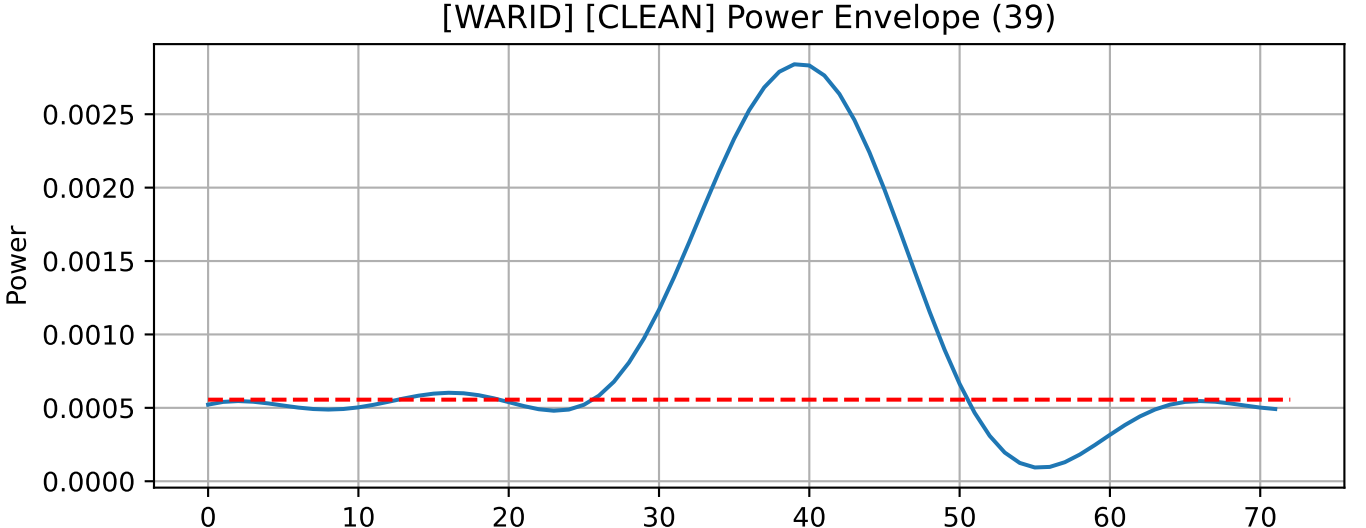


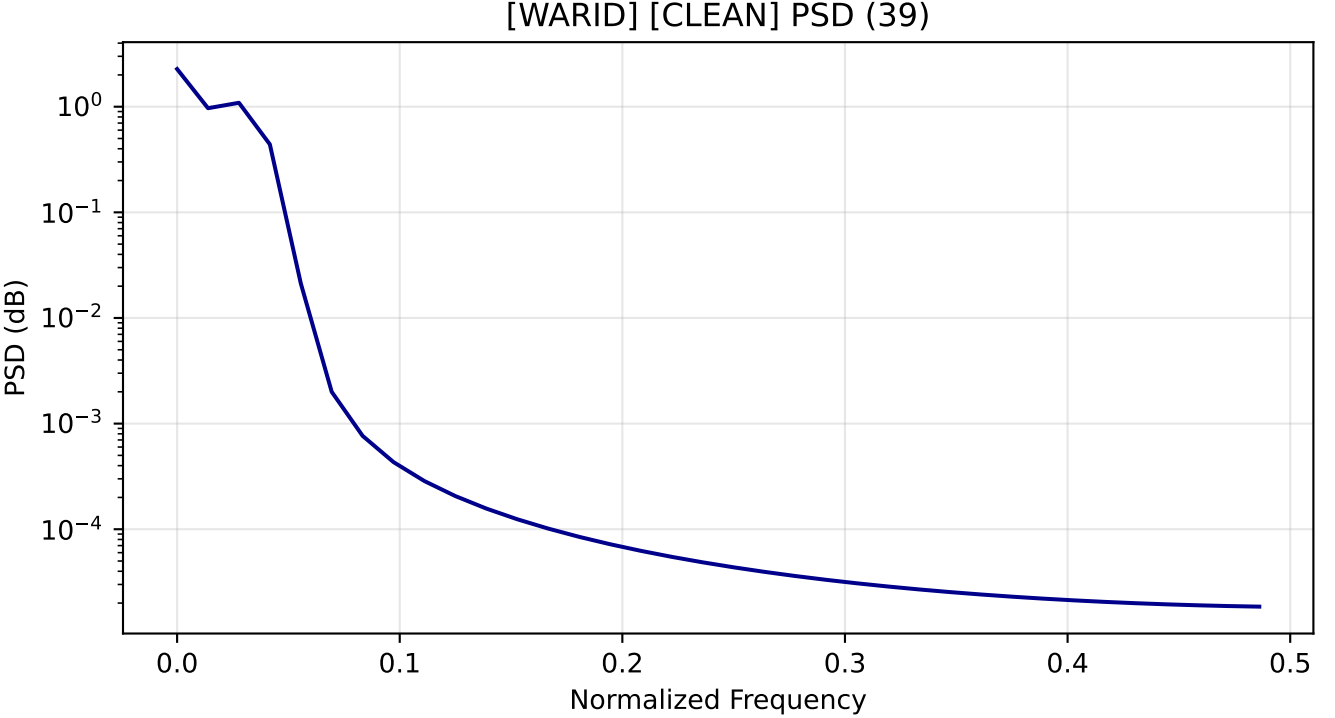

[WARID] Amplitude Dist (38)
Frequency
Amplitude
0
2
4
6
8
10
12
14
16
0.5
1.0
1.5
2.0
2.5


[WARID] Phase Dist (38)
Frequency
Phase (rad)
0
10
20
30
40
50
−3
−2
−1
0
1
2
3

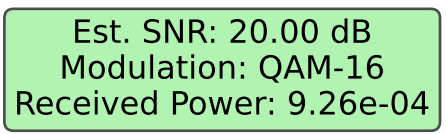

[WARID] [CLEAN] Constellation (39)
Msg: "4y..."
Mod: QAM-16
NC: 64, CP: 8
0.2
0.0
−0.2
−0.4
−0.6
−0.8
−1.0
−1.00
−0.75
−0.50
−0.25
0.00
0.25
0.50
0.75
1.00

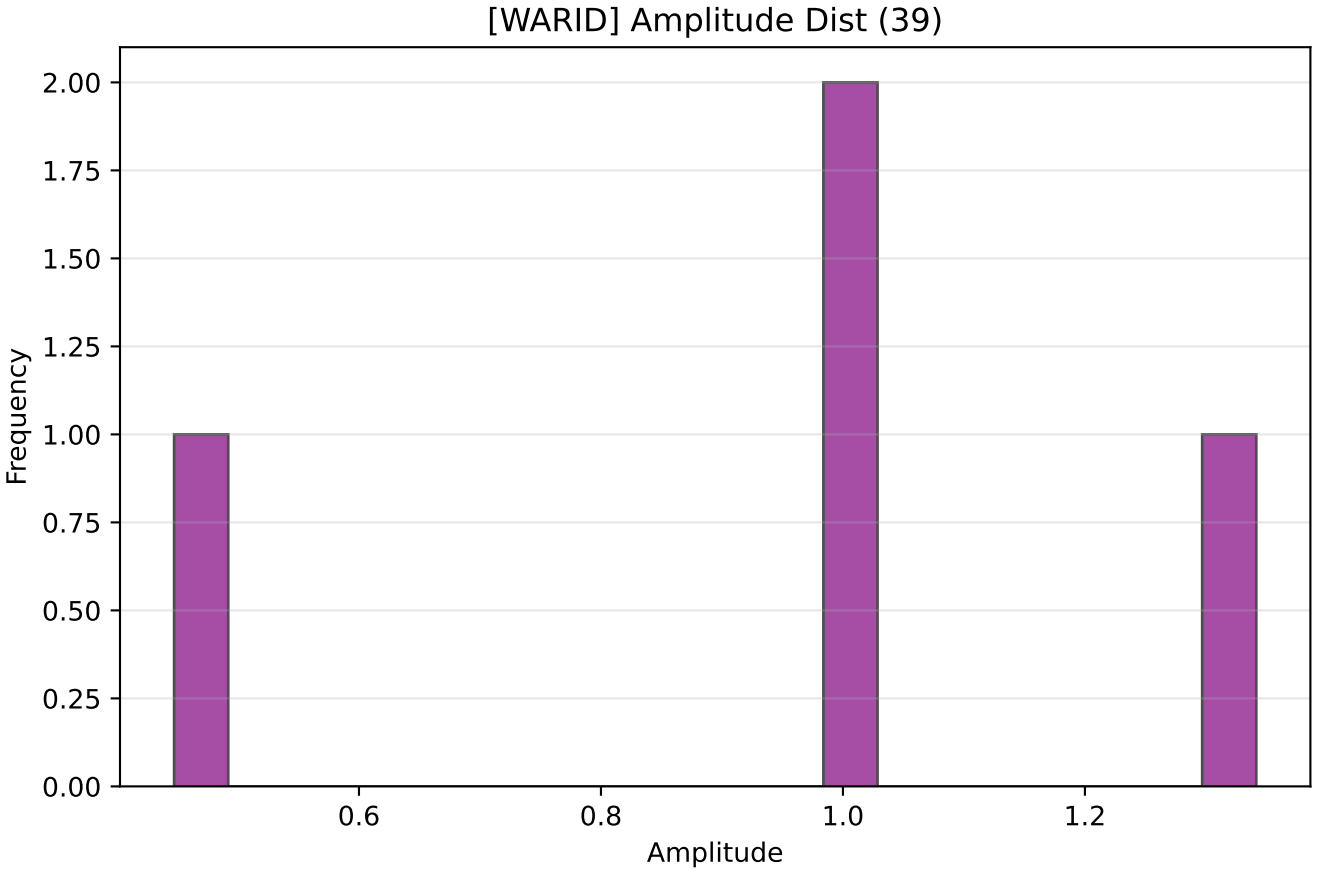

[WARID] [CLEAN] OFDM Time Domain (39)
I
Q
0.04
0.02
0.00
−0.02
−0.04
0
10
20
30
40
50
60
70

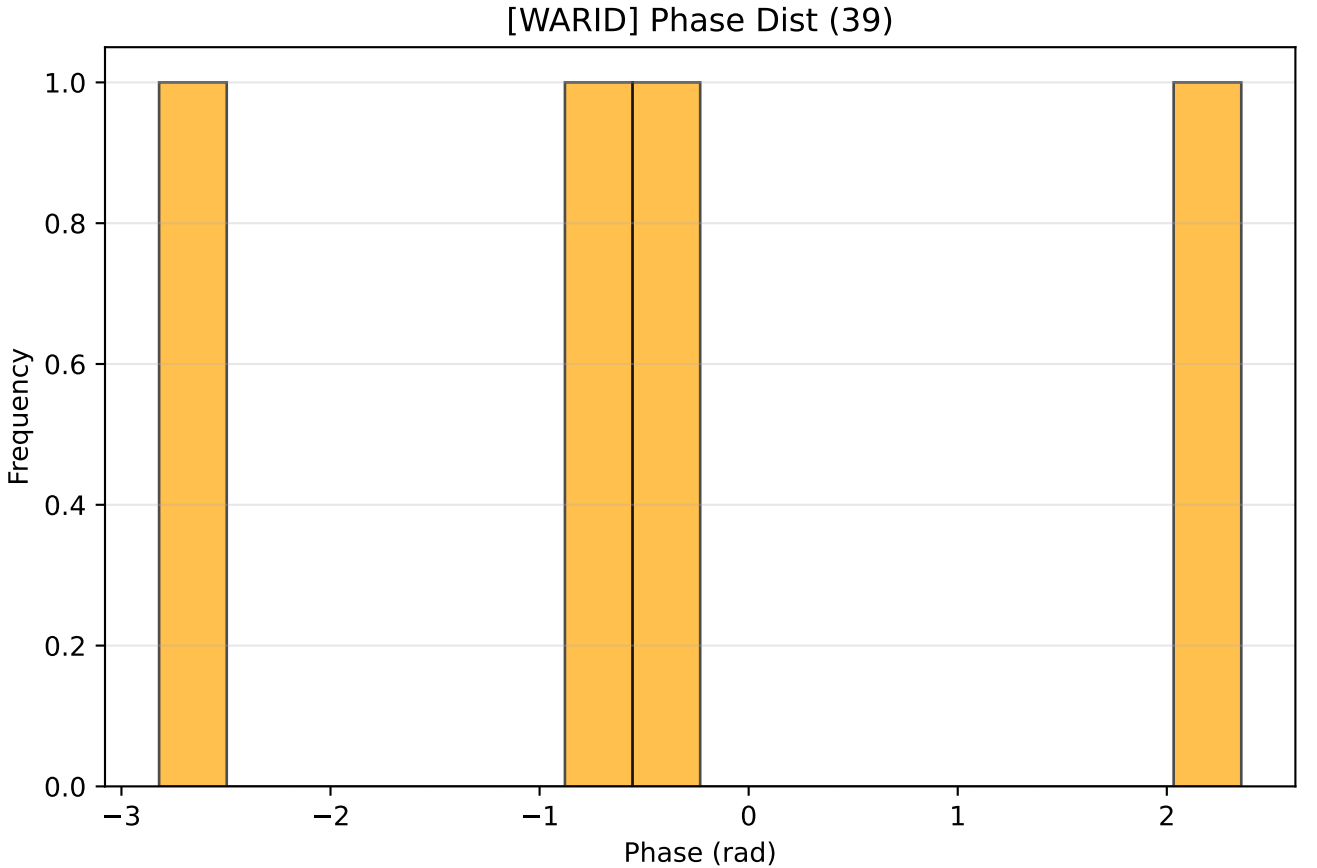

[WARID] [CLEAN] Power Envelope (39)
Power
0.0025
0.0020
0.0015
0.0010
0.0005
0.0000
0
10
20
30
40
50
60
70

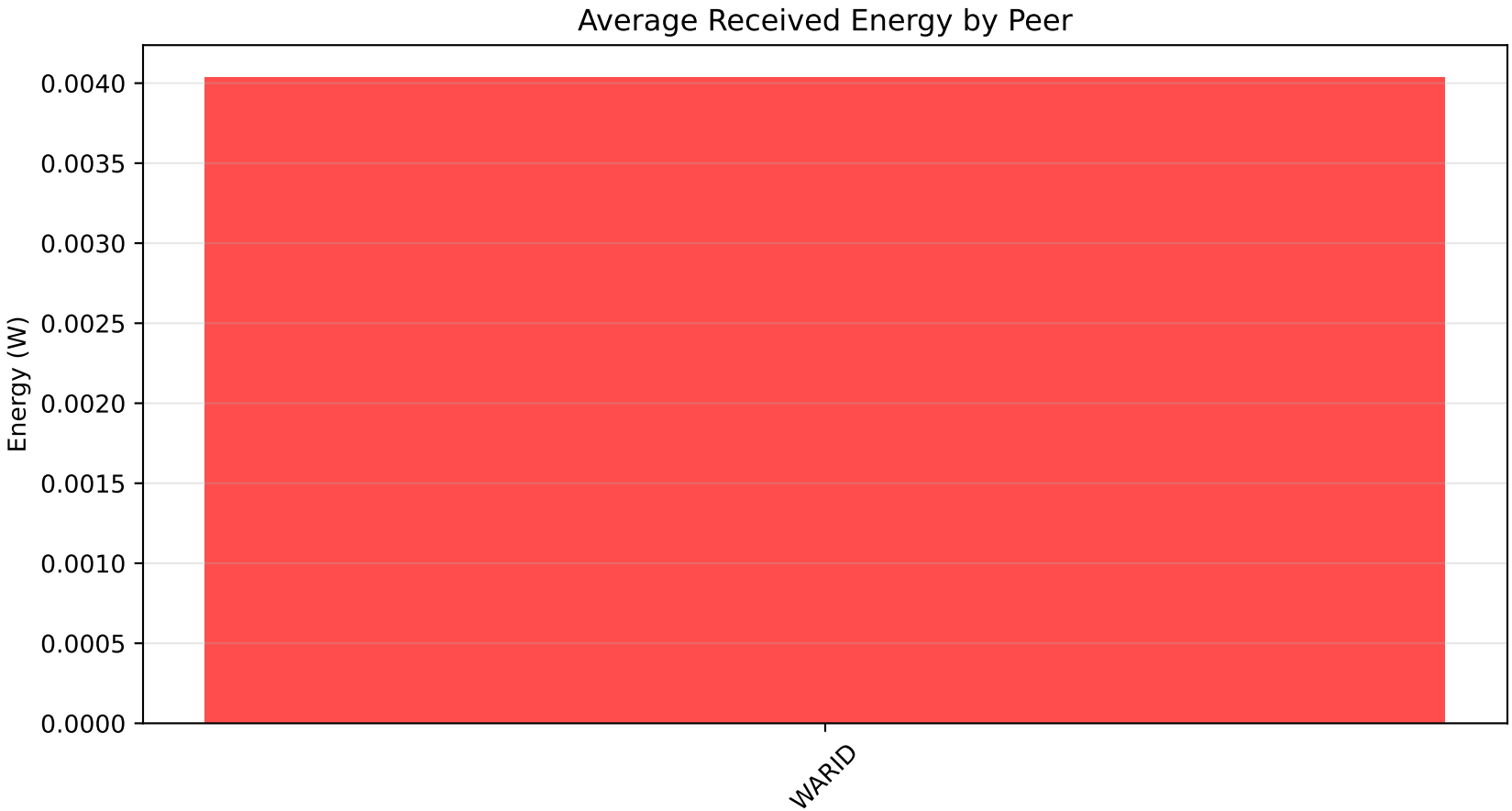

[WARID] [CLEAN] PSD (39)
PSD (dB)
10^{0}
10^{-1}
10^{-2}
10^{-3}
10^{-4}
0.0
0.1
0.2
0.3
0.4
0.5
Normalized Frequency

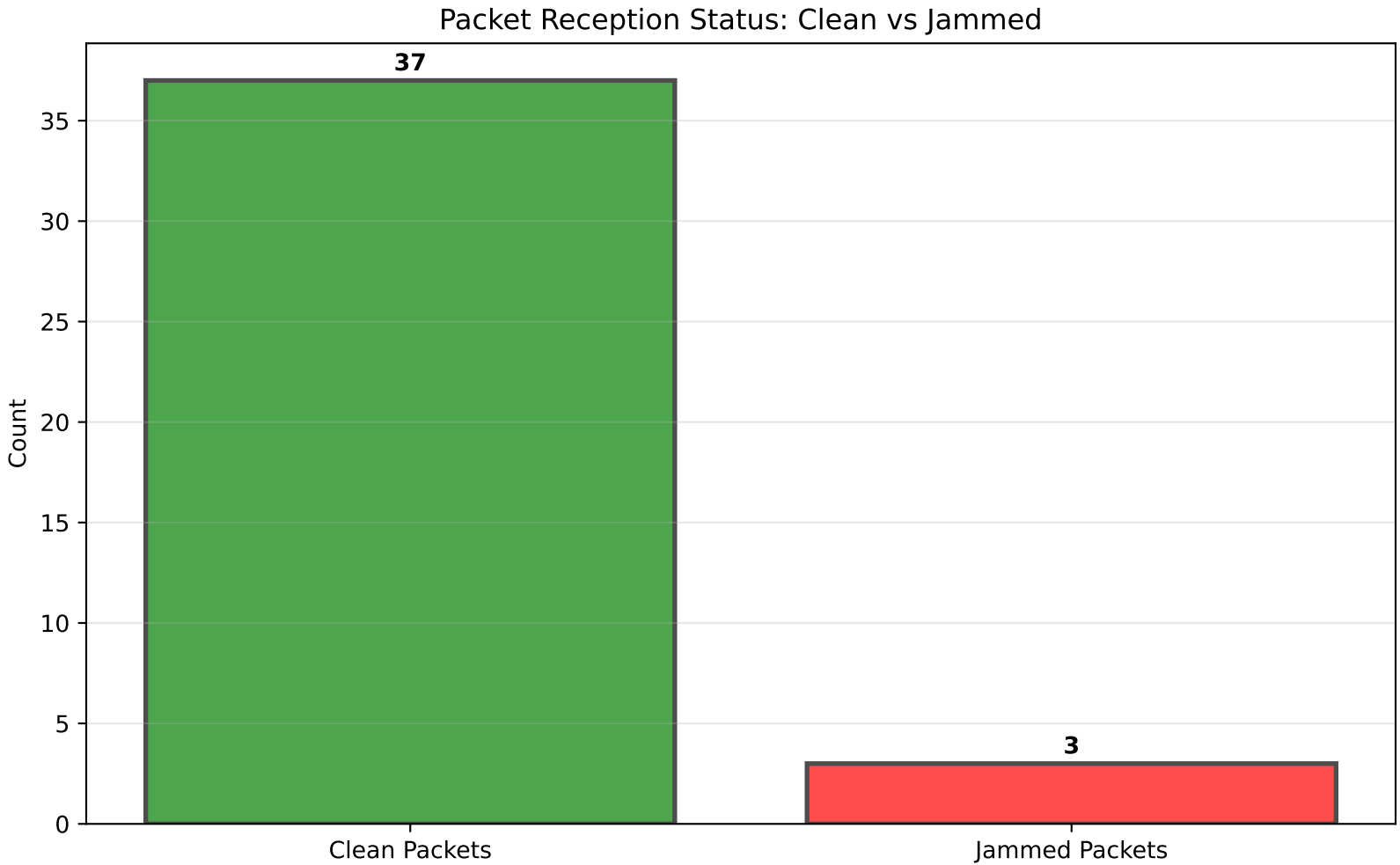
[WARID] [CLEAN] SNR (39)

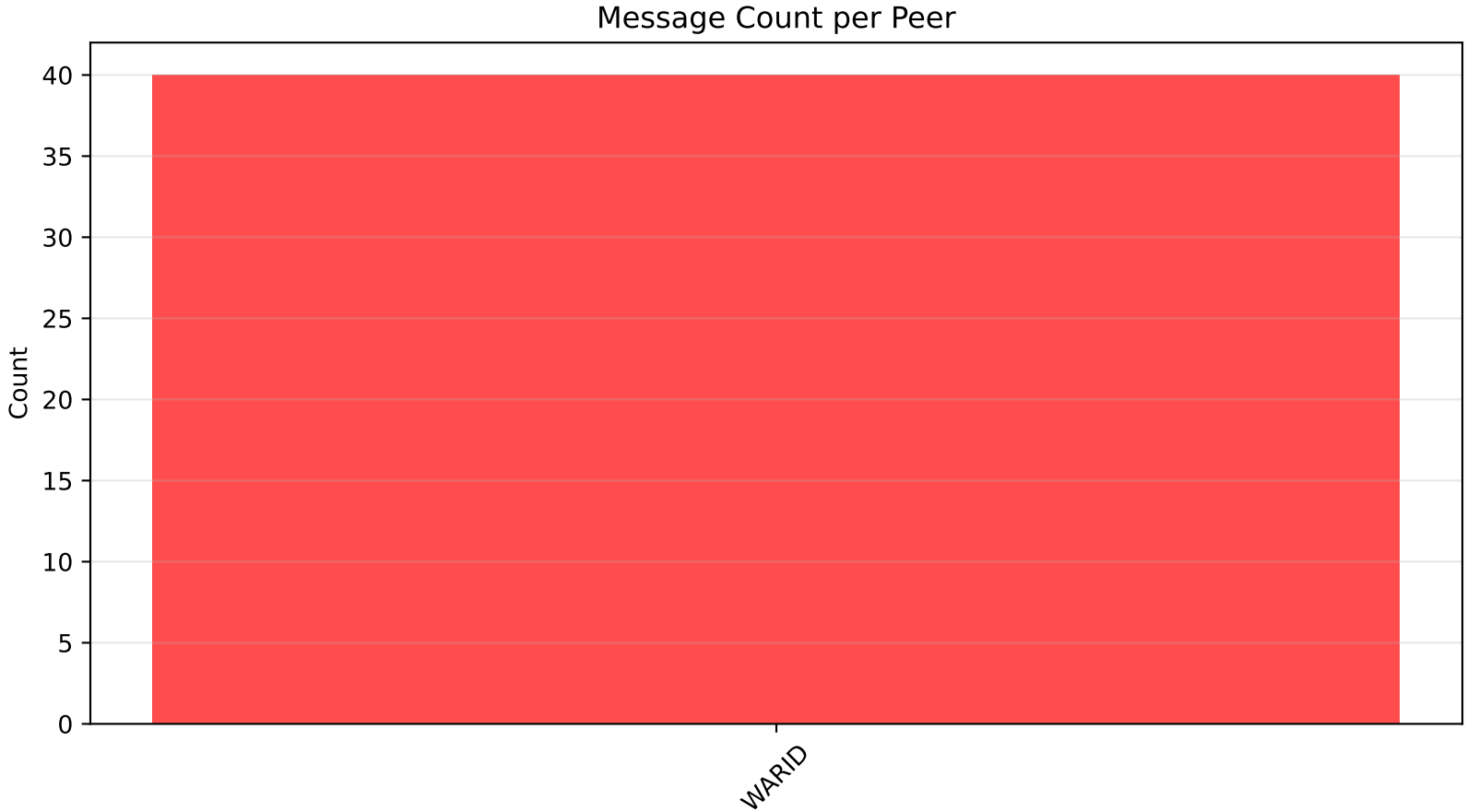


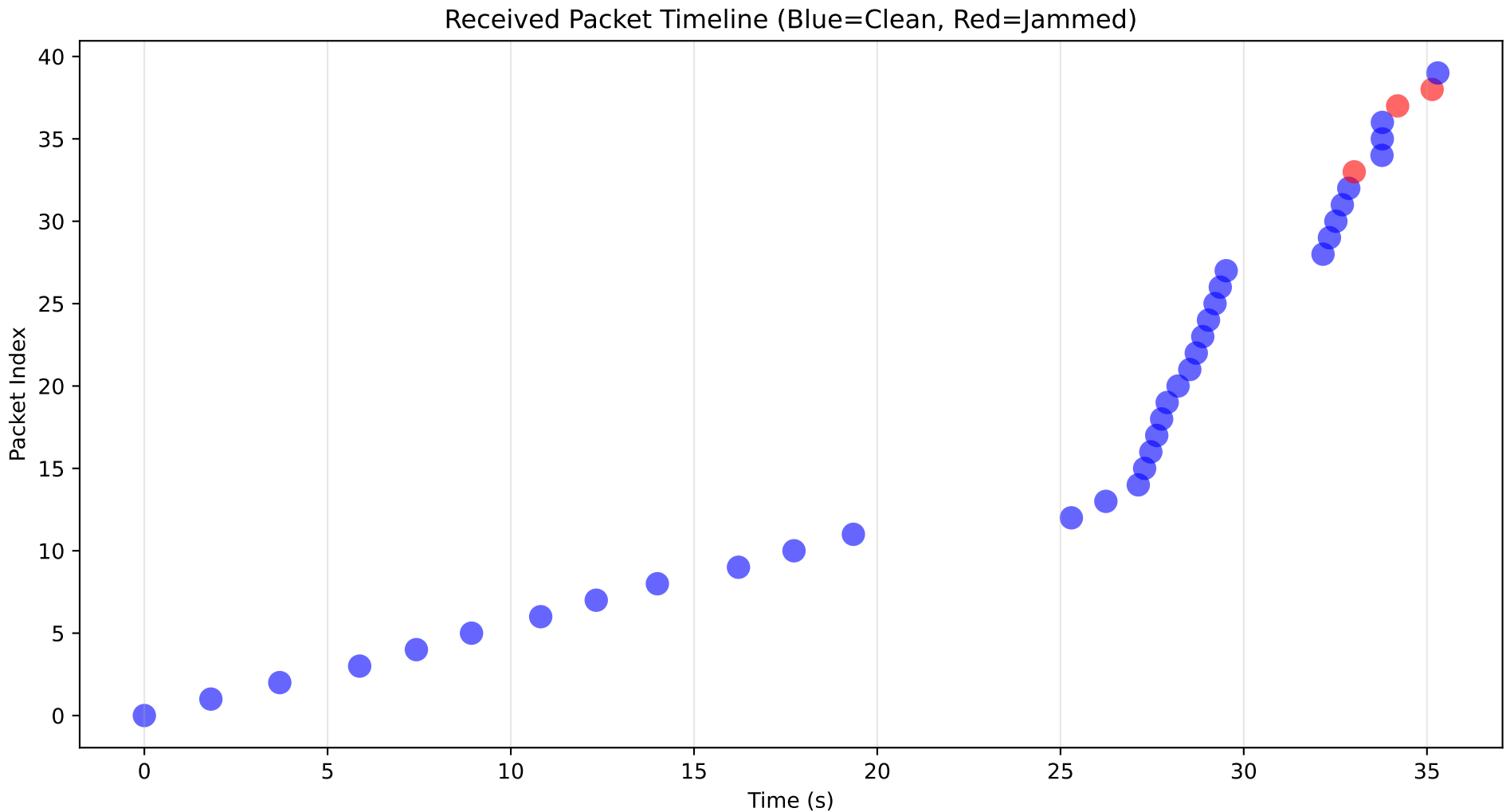

[WARID] Amplitude Dist (39)
Frequency
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
0.6
0.8
1.0
1.2
Amplitude

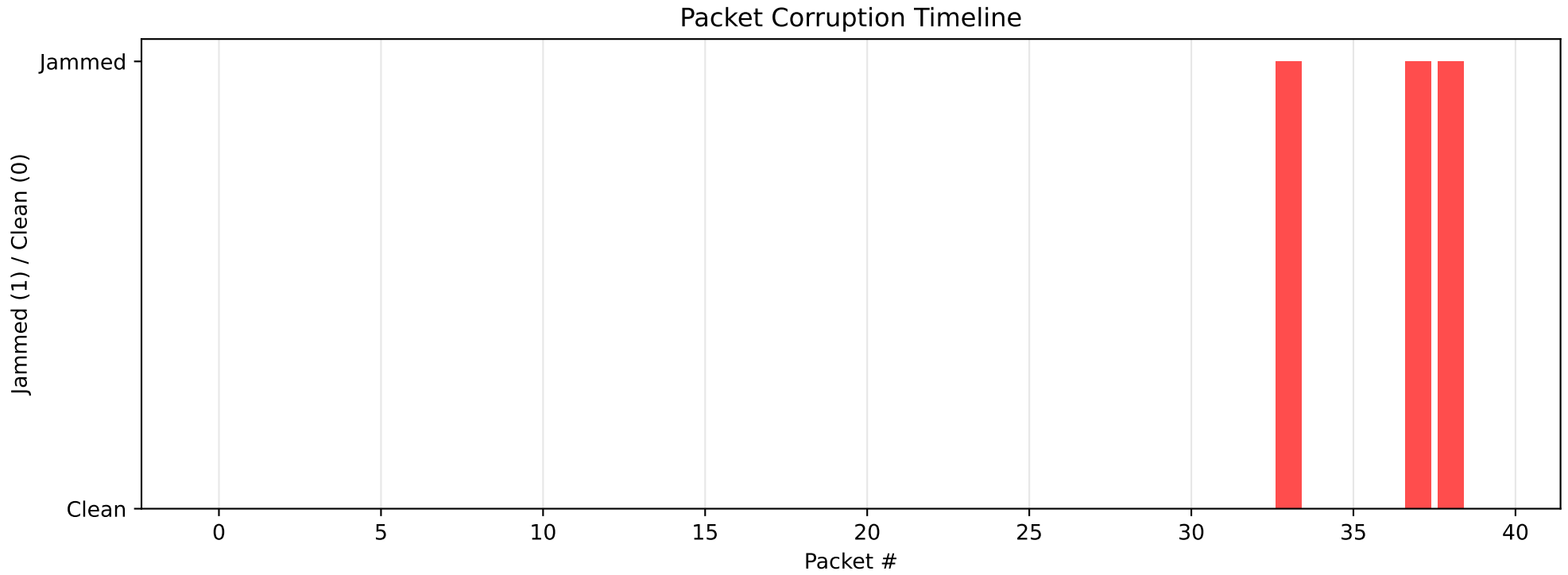

[WARID] Phase Dist (39)
Frequency
1.0
0.8
0.6
0.4
0.2
0.0
−3
−2
−1
0
1
2
Phase (rad)

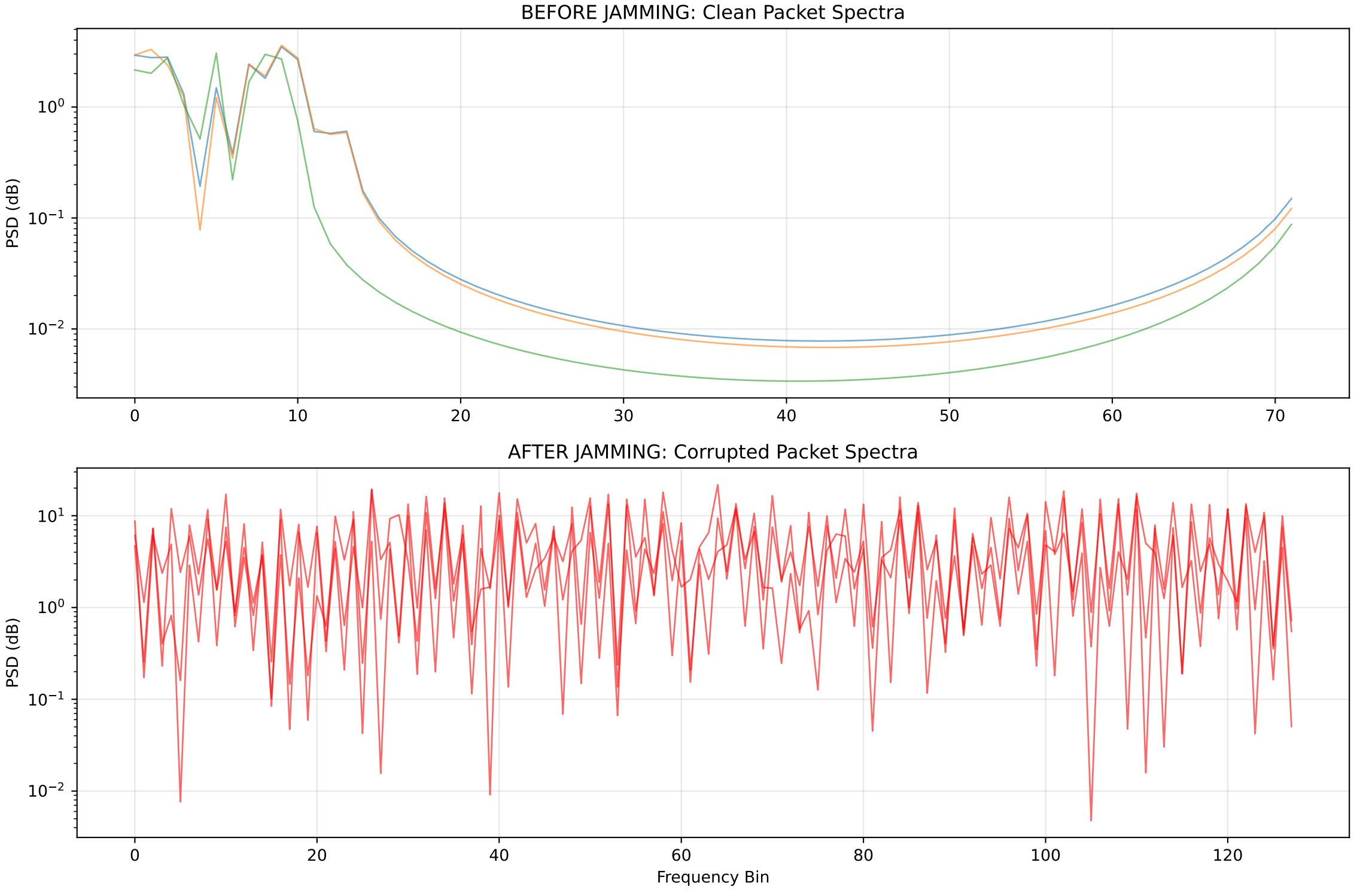

Average Received Energy by Peer
Energy (W)
0.0040
0.0035
0.0030
0.0025
0.0020
0.0015
0.0010
0.0005
0.0000
WARID


Packet Reception Status: Clean vs Jammed
Count
0
5
10
15
20
25
30
35
37
3
Clean Packets
Jammed Packets


Message Count per Peer
Count
40
35
30
25
20
15
10
5
0
WARID


Received Packet Timeline (Blue=Clean, Red=Jammed)
Packet Index
Time (s)
0
5
10
15
20
25
30
35
40


Packet Corruption Timeline
Jammed
Clean
Jammed (1) / Clean (0)
0
5
10
15
20
25
30
35
40
Packet #


BEFORE JAMMING: Clean Packet Spectra
PSD (dB)
10^{0}
10^{-1}
10^{-2}
0
10
20
30
40
50
60
70
AFTER JAMMING: Corrupted Packet Spectra
PSD (dB)
10^{1}
10^{0}
10^{-1}
10^{-2}
0
20
40
60
80
100
120
Frequency Bin