

>> Golay

Random Message (Y/N): Y
Message Length (bits): 1.2e6

Data Bits: 12
Extended (Y/N): Y

Golay(24,12)
Code Rate: 0.5000

Modulation Scheme: 2-PSK

Message Eb/No (dB): 5

Uncoded Message

Predicted Bit Errors: 7145

BER: 5.954e-03

Coded Message

Predicted Bit Errors: 90430

Actual Bit Errors: 90618

1-Error Bits Corrected: 37357

2-Error Bits Corrected: 33634

3-Error Bits Corrected: 15213

4-Error Bits Detected: 4052

BER: 3.768e-02

BER: 3.776e-02

Decoded Message

Predicted Bit Errors: 2441

Actual Bit Errors: 2684

BER: 2.034e-03

BER: 2.237e-03

P^u
 P^c
 $c \neq r$

$P_B = f(P^c)$
 $m \neq \hat{m}$

2-PSK AWGN Golay (24,12) Code Bit Error Rate

