

Assignment 2: BER for BPSK under AWGN Channel

Date: August 12, 2021

Submit by: August 17, 2021

Problem 1: Simulate the BER versus SNR curve for BPSK under additive white Gaussian noise (AWGN) communication channel.

Problem 2: Plot the BER versus SNR curve for BPSK using theoretical result and superpose with the plot obtained in Problem 1.

Note: Vary the SNR from -5 dB to 15 dB in steps of 2 dB. Transmit at least 10^6 bits.