

Assignment 4: Comparison of BER QPSK over AWGN and Rayleigh channels

Date: August 26, 2021

Submit by: September 6, 2021

Problem 1: Simulate the BER versus SNR curve for QPSK under Rayleigh communication channel.

Problem 2: Superpose the BER obtained for QPSK under AWGN and Rayleigh channels and write down your observations with proper reasoning.

Note: Vary the SNR from -5 dB to 25 dB in steps of 2 dB. Transmit at least 10^4 bits.