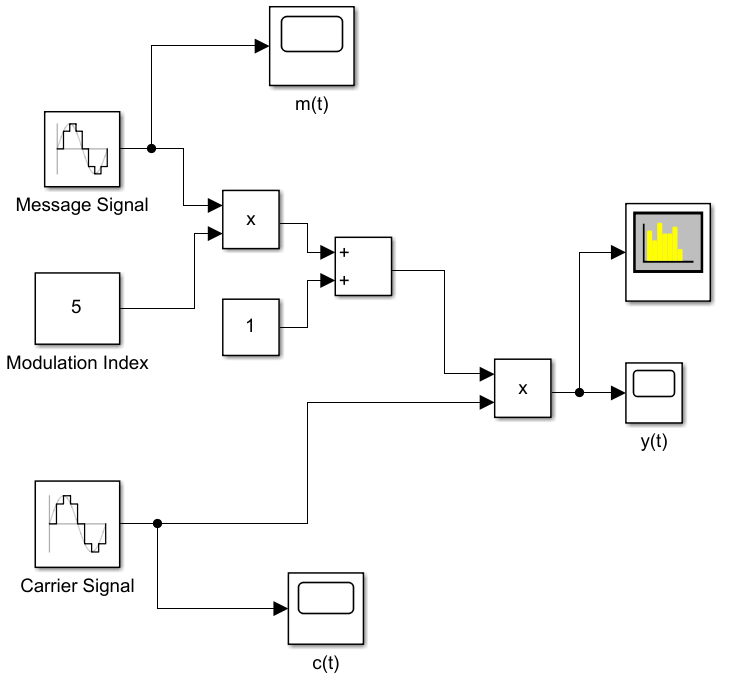
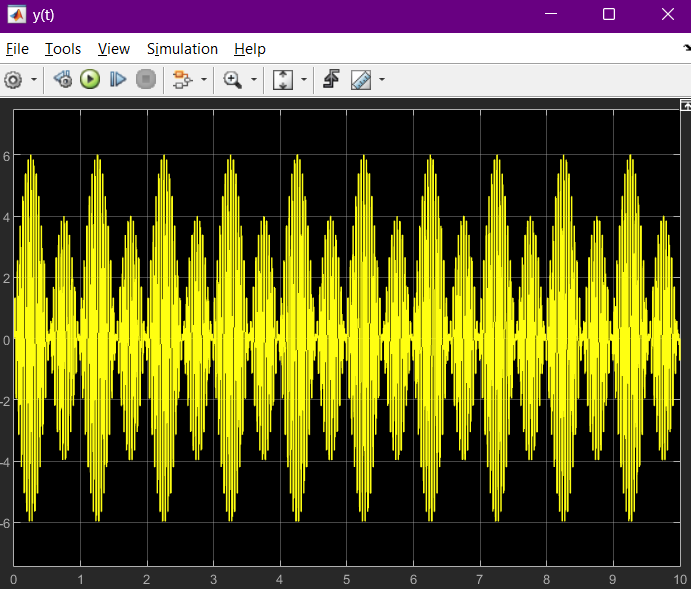
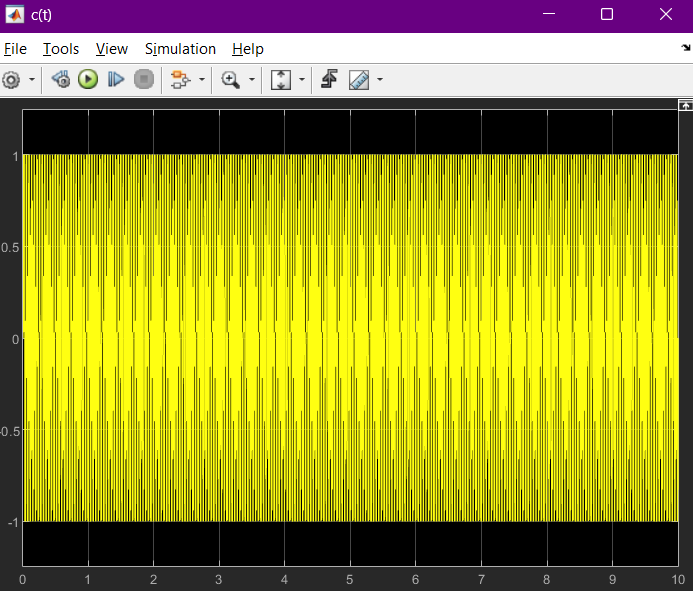
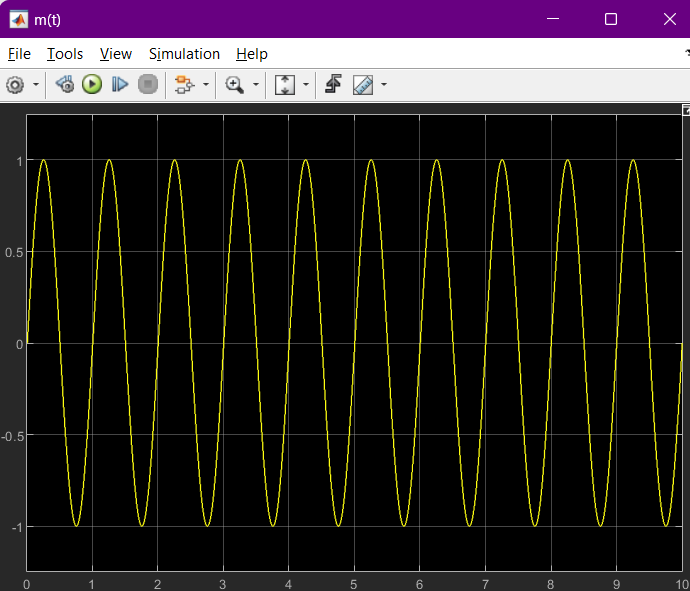
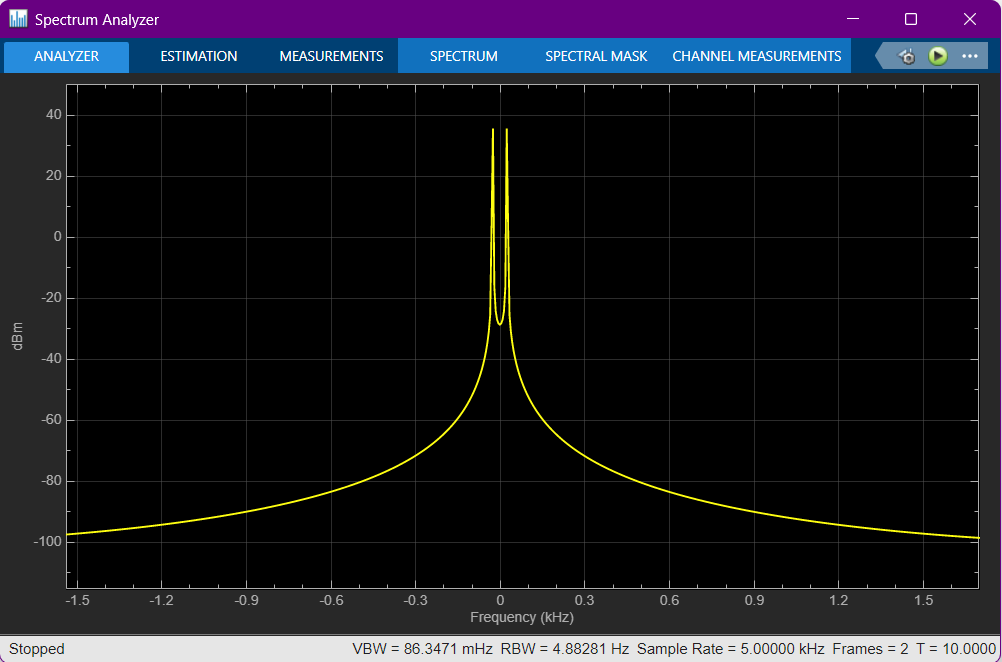
Lab Assignment - 3

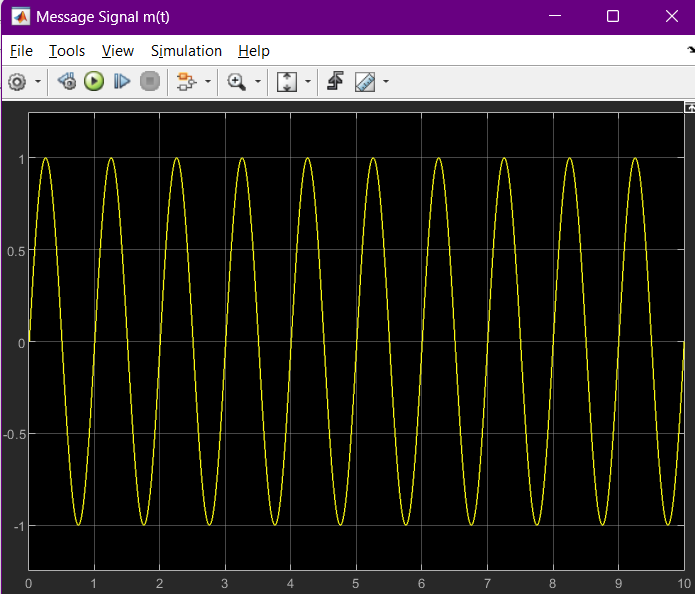
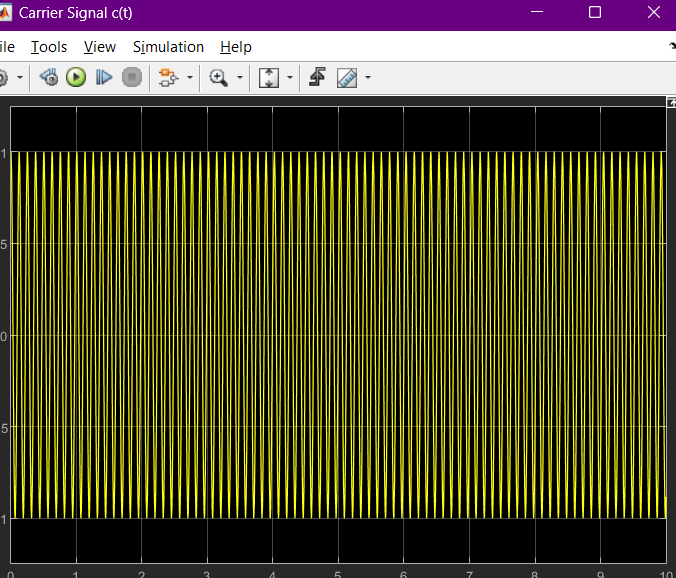
**MODULATION USING SIMULINK**

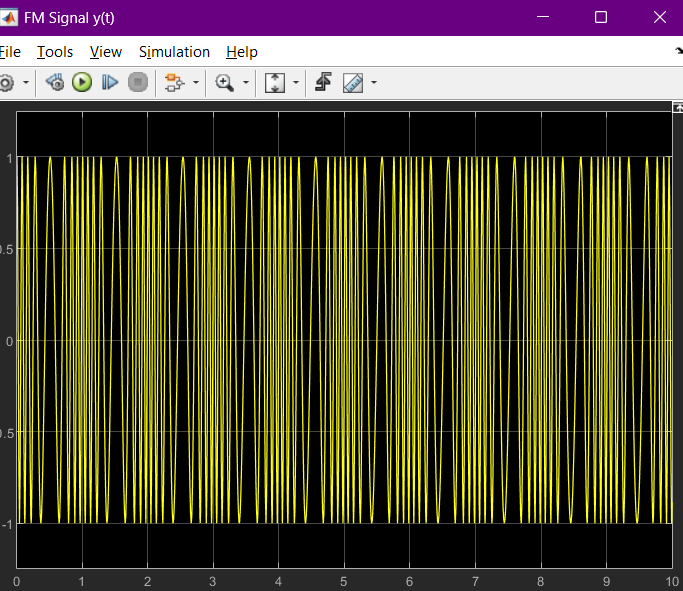
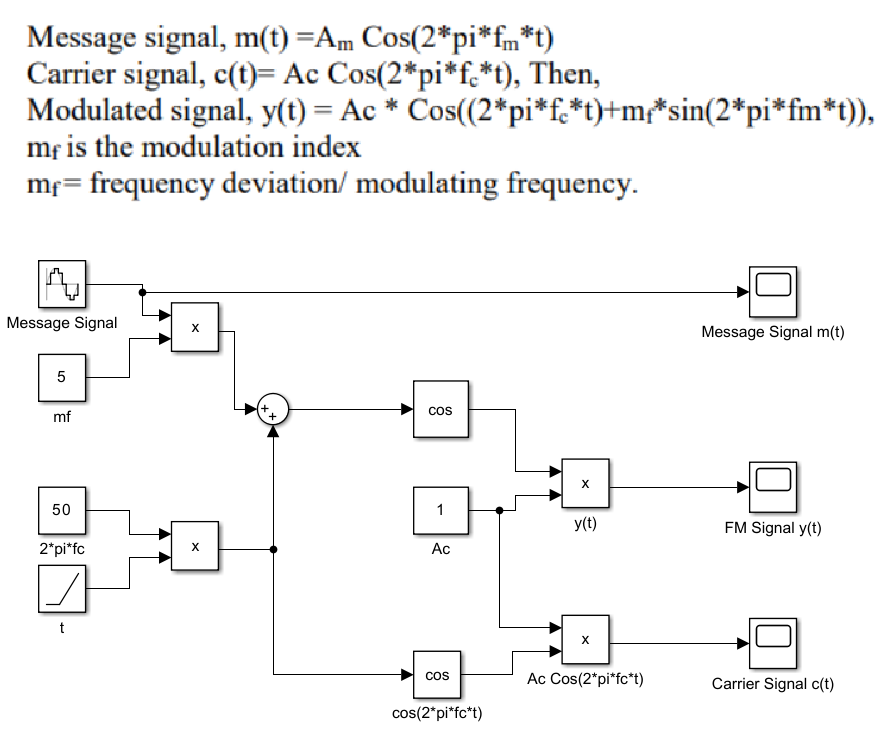
1. Build the Simulink model of AM modulator with parameters Carrier Signal frequency = 2\*pi\*25, Message Signal frequency = 2\*pi and sampling time=1/5000. Amplitudes of both signals are 1



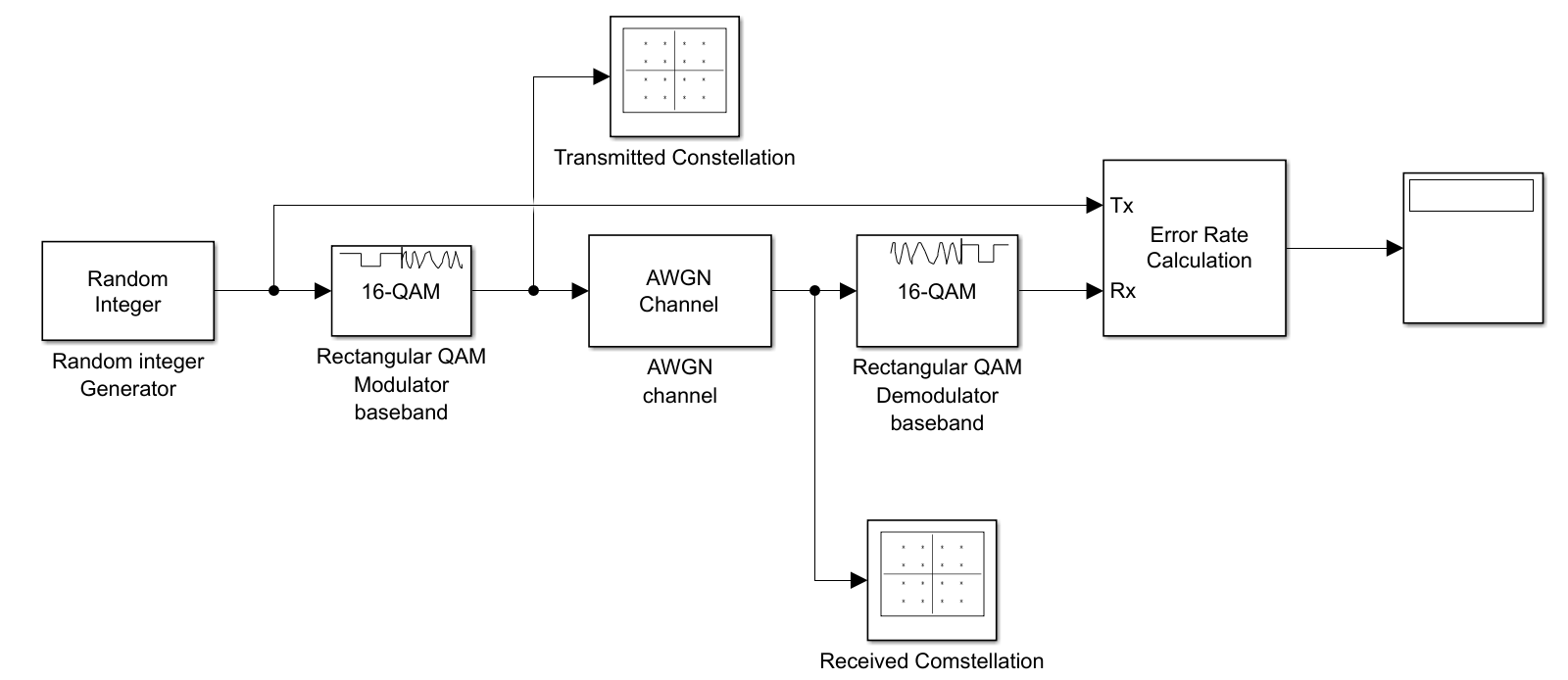


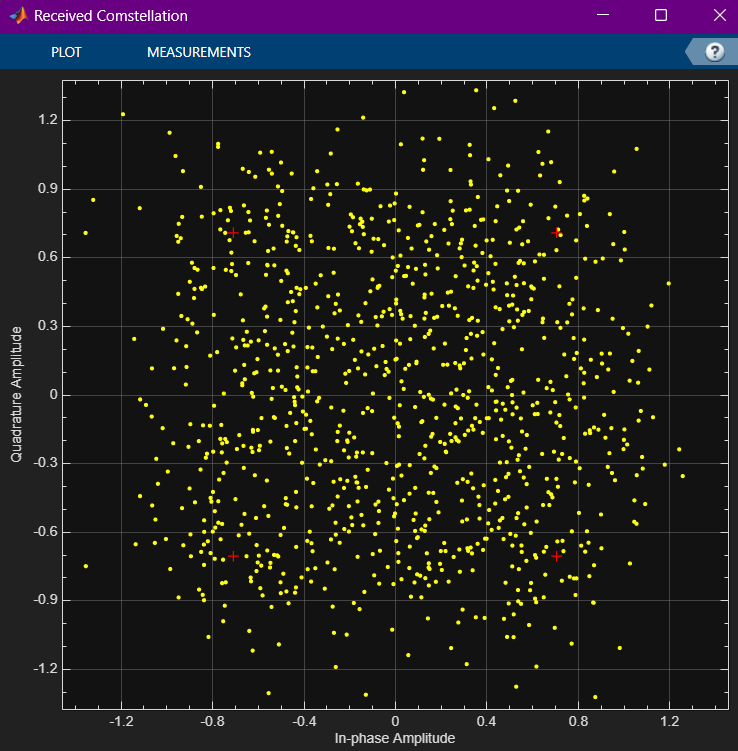
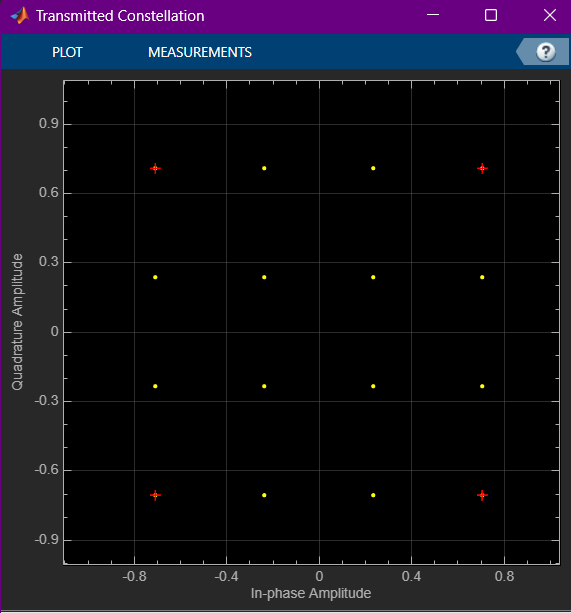
1. Build the Simulink model of FM modulator.

1. Build Simulink Model of 16 QAM Modulator and Demodulator.





1. Try to simulate a music file transmission using 16 QAM modulation with AWGN channel (model is given below).

