

Experiment No. 2

Frequency Modulation (FM) and Demodulation

Write a MATLAB program (without using communication toolbox inbuilt functions like 'comm.FMModulator, fmmod' etc) to demonstrate Frequency Modulation (FM) and demodulation technique. Use envelope detection method presented in the video attached for demodulation.

In your report include

- Time domain plots of:
 1. Message Signal
 2. Modulated signal
 3. Demodulated Signal
- Frequency domain plots of:
 1. Message Signal
 2. Modulated Signal
 3. Demodulated Signal