

OBJECTIVES

- To explain the fundamental concepts of communication systems.
- To demonstrate and compare different analog modulation schemes.
- To illustrate the concepts of communication techniques which are useful for sending information from transmitter to receiver

List of Experiment

1. Amplitude Modulation and Demodulation
2. DSB – SC Modulator & Detector
3. SSB-SC Modulator & Detector (Phase Shift Method)
4. Frequency Modulation and Demodulation
5. Study of Spectrum analyzer and Analysis of AM and FM Signals
6. Pre-emphasis & De-emphasis
7. Time Division Multiplexing & De multiplexing
8. Frequency Division Multiplexing & De multiplexing
9. Verification of Sampling Theorem
10. Pulse Amplitude Modulation & Demodulation
11. Pulse Width Modulation & Demodulation
12. Pulse Position Modulation & Demodulation
13. Frequency Synthesizer
14. AGC Characteristics
15. PLL as FM Demodulator



