

COMMUNICATION SYSTEMS LAB

Paper Code: ETTT-357

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List of Experiments:

1. Generation of DSB-SC AM signal using balanced modulator.
2. Practical study of amplitude demodulation by linear diode detector
3. Generation of SSB AM signal.
4. Practical study of envelop detector for demodulation of AM signal and observe diagonal peak clipping effect.
5. To generate FM signal using voltage controlled oscillator.
6. To generate a FM Signal using Varactor & reactance modulation.
7. Detection of FM Signal using PLL & foster seelay method.
8. Practical study of Super heterodyne AM receiver and measurement of receiver parameters viz.sensitivity, selectivity & fidelity.
9. Practical study of Pre-emphasis and De-emphasis in FM.
10. Generation of Phase modulated and demodulated signal.

Simulations study of some of the above experiments using P-spice or Multisim softwares

NOTE: - At least 8 Experiments out of the list must be done in the semester