

Assignment 4

- 1) Explain i) Fidelity ii) Sensitivity iii) Selectivity with respect to AM receiver
- 2) Explain the concept of Image frequency and Double spotting and also explain how to reject image frequency.
- 3) In an AM radio receiver the loaded Q of the antenna circuit at the input to the mixer is 100. If the intermediate frequency is 455 KHz, calculate the image frequency and its rejection at 1 MHz.
- 4) Explain what should be the choice of IF for AM.
- 5) What are the disadvantages of Tuned RF receivers? And Explain superheterodyne receiver with block diagram.
- 6) Compare TRF and Super heterodyne receiver.
- 7) Explain FM Receiver with block diagram.