
Lecture 5

Topics

- **Practice Spectrum Drawing for DSB-SC and DSB-WC**

Practice Problem

Time: 25 minutes

For the base signal $m(t) = \cos 200t \times \cos 300t$ and carrier signal $\cos 1000t$:

- (i) Draw the spectrum of $m(t)$.
- (ii) Draw the spectrum of DSB-SC.
- (iii) Draw the spectrum of Coherent Demodulation for figure (ii).
- (iv) Draw the spectrum of DSB+C.