



جامعة المستقبل
AL MUSTAQBAL UNIVERSITY

Department of Computer Engineering Techniques (stage : 2)

Communications Foundations



Class: 2th

Communications Foundations

Chapter two

Single sideband

By

م. علي عدنان عبدالكاظم

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Single sideband

Object :

- Variant of AM is signal sideband (SSB)
 - Send only one sideband.
 - Eliminates other sideband and required.
- Advantages
 - Only half the bandwidth is required.
 - Less power is required.
- Dissadvantages
 - Suppressed carrier can't be used for synchronization purposes.

-Tools :-

Computer by using **Matlab** program

The experiment is applied in the lab.

• Steps...

- 1- Sine wave .~ 4
- 2- Product~ 2
- 3- Add~ 1
- 4- Scope~ 1



• Connect the chart :-

