



جامعة المستقبل
AL MUSTAQBAL UNIVERSITY

Department of Computer Engineering Techniques (stage : 2)

Communications Foundations



Class: 2th

Communications Foundations

Chapter One

Amplitude Modulation

And Demodulation

By

م. علي عدنان عبدالكاظم

2023-2024

Page 1 of 6



Amplitude Modulation and Demodulation

Object :

To Study an amplitude modulated signal, Comparing the modulated signal and the demodulated wave envelope.

-Tools :-

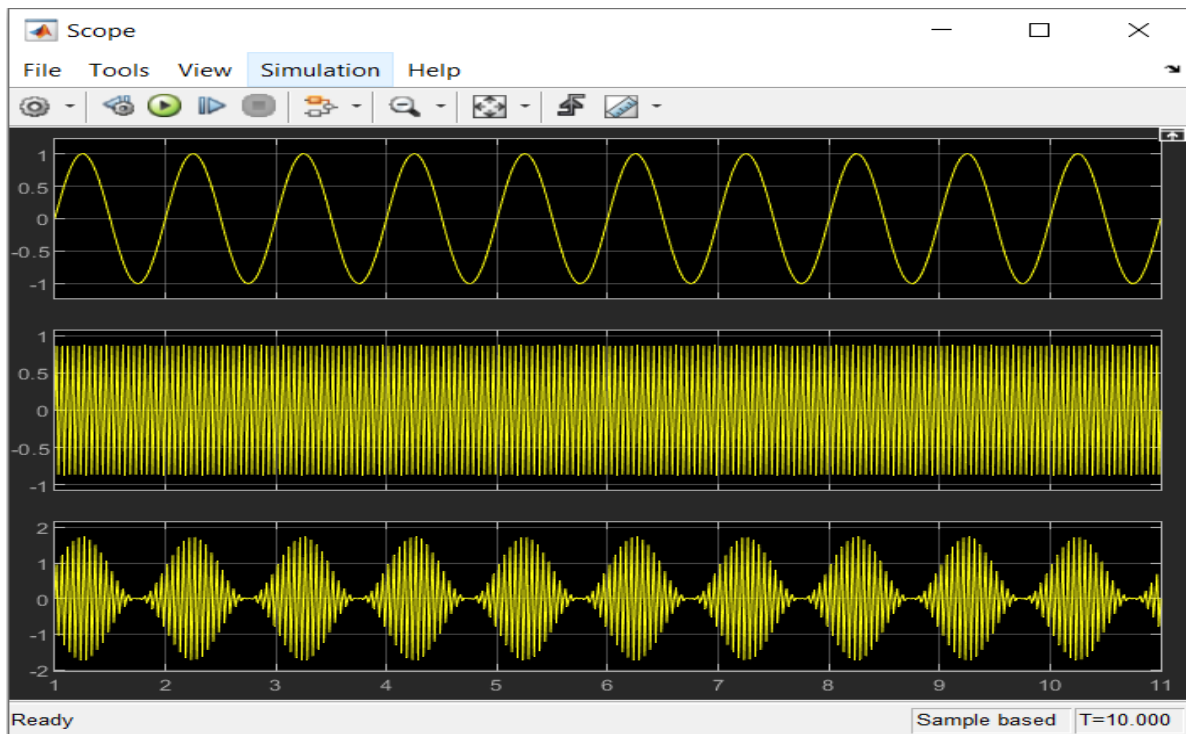
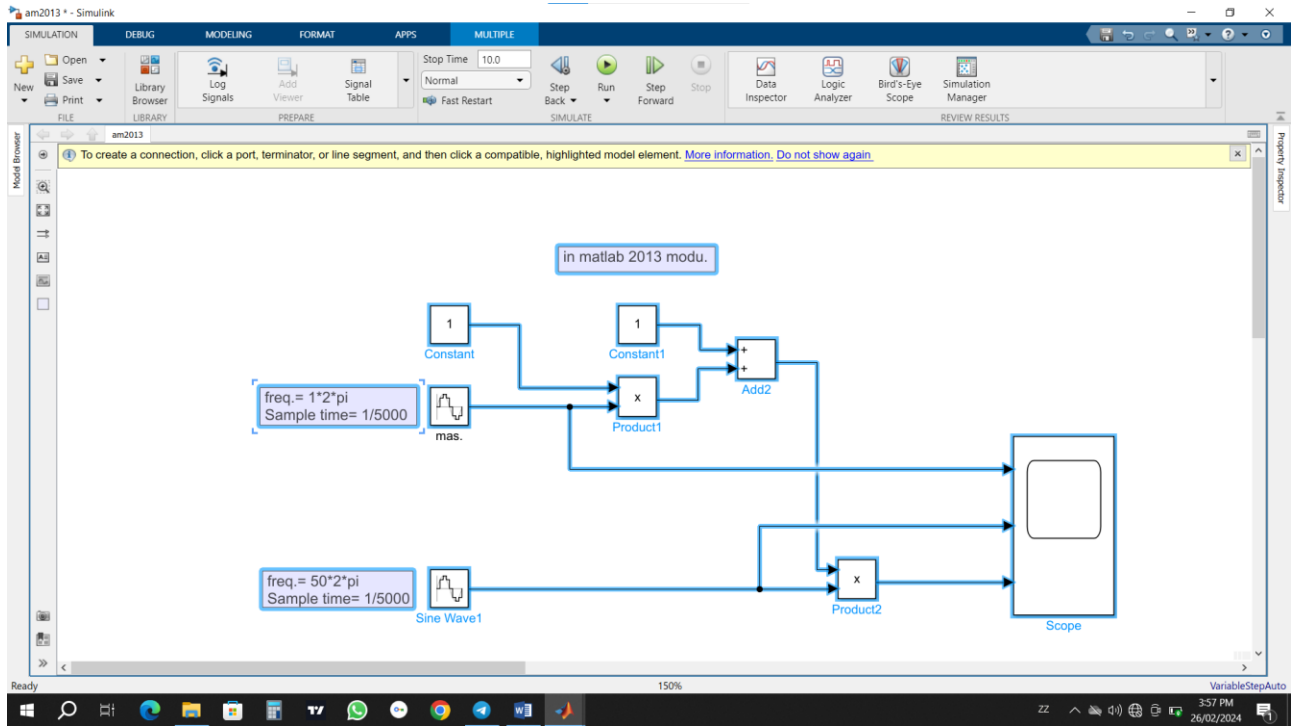
Computer by using **Matlab** program

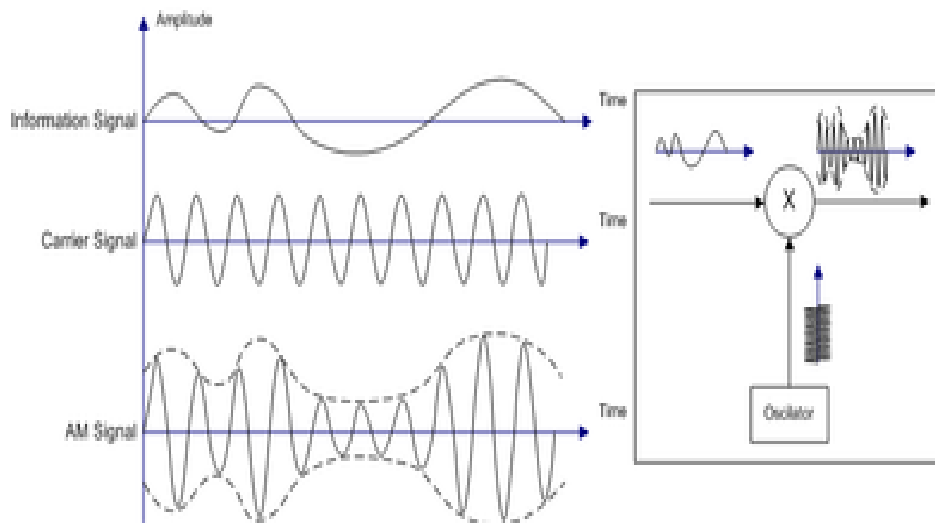
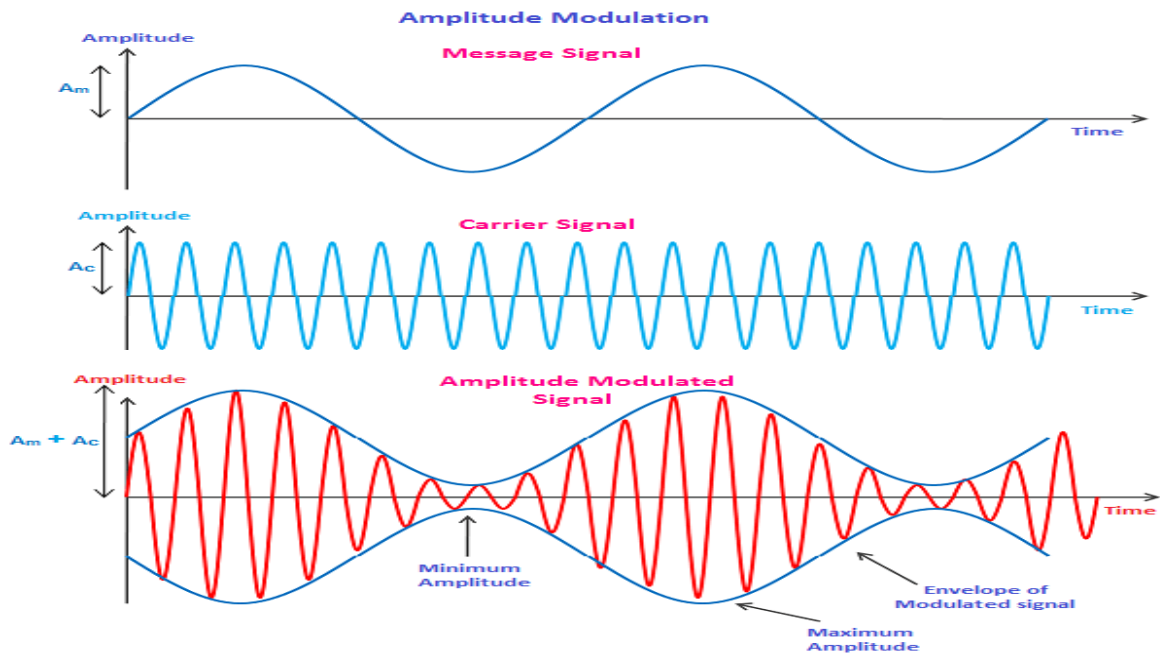
The experiment is applied in the lab.

• Steps...

- 1- Constant 2
- 2- Sine wave 2
- 3- Product 2
- 4- Add 1
- 5- Scope 1

• Connect the chart :-







Amplitude Demodulation

• Steps...

- 1- Constant 3
- 2- Sine wave 2
- 3- Product 2
- 4- Add 2
- 5- Saturation..... 1
- 6- Analog Filter ...1
- 7- Scope 1

