**NOTES / COMMENTS / DRAWINGS FROM YOUR EXPERIMENT**

*Insert Octave plots within the drawing canvasses below.*

b) Your expression for generating carrier signal samples :

Your expression for generating a sine message signal :

Insert both plots into the drawing canvas below:

c) Expression for scalar multiplication of the carrier and message signal samples:

Modulated signal plot below:

e) Expression for scalar multiplication of the carrier and message signal samples:

Modulated signal plot below:

f) Expression(s) for generating square wave :

Plot of carrier modulated by the square wave message signal below:

g) FFT plots (on the same graph with different colors) of carriers with 4 and 4.05 periods within 3600 samples :

**QUESTIONS**

1. Why should we be carefull while obtaining frequency spectrum using FFT? What should we be aware of?
2. Dou you thing FFT can be used to obtain frequency spectrum of continuous signals? Explain.

**CONCLUSION**

*Write down what you have learned with this experiment.*