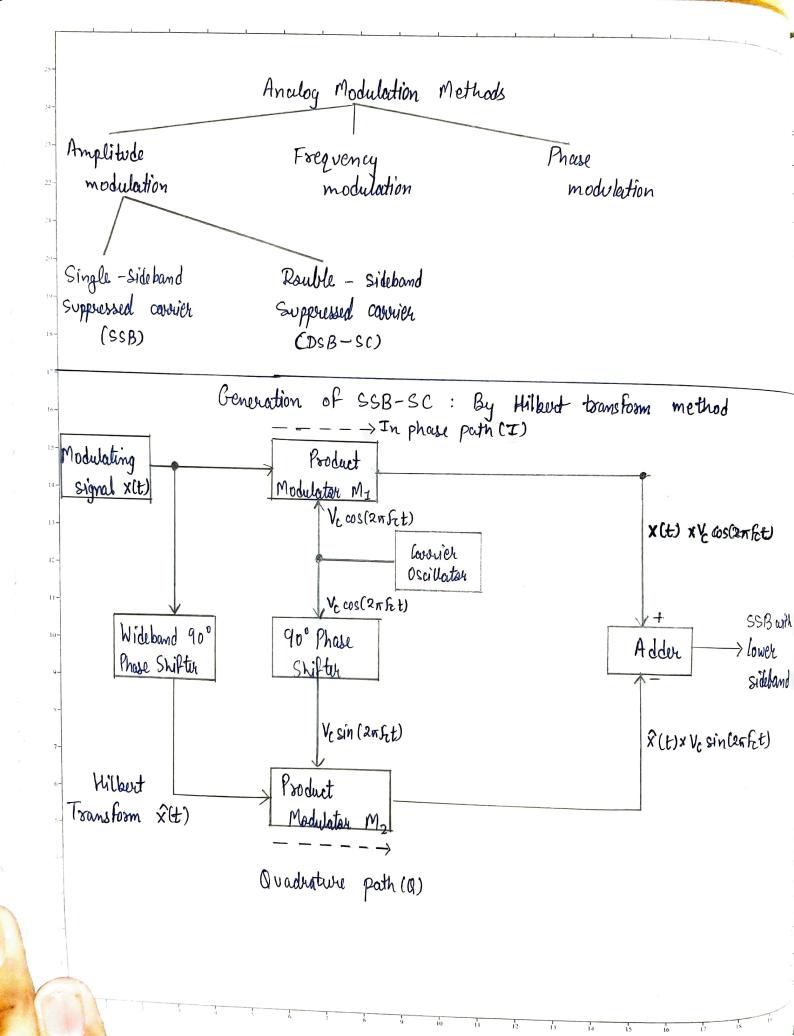
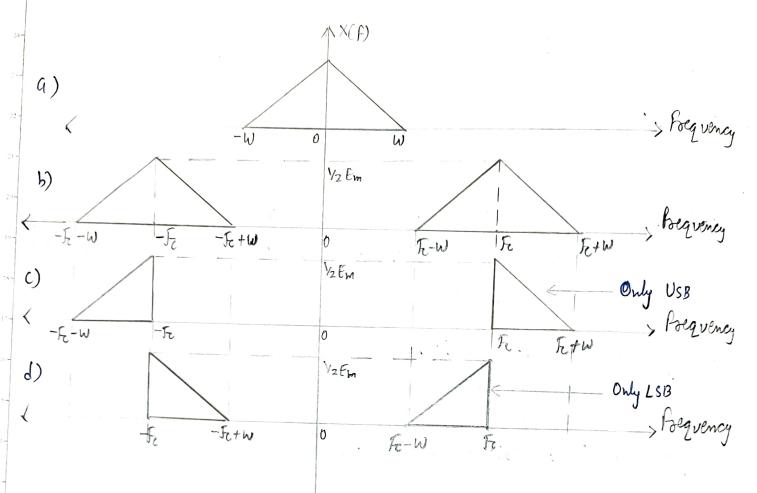
Experiment -08

Expt. No.	08					Page No Date
	TT		1d CSSB-SC) Modu	lation Scheme.	
APPARATUS:	MATL	4B				
THEORY:			1.			
1.	Modulation	in: Modul Carrier	ation is a , wove is vo	process,	by Which Son accordance	ne characteristic of a with a modulating
			ge) signal.			
2.	Analog	medulatión :	It is a Kind	d of m wave bot	adulation, where h are analog	the message signal and in mature.
3.	Single	Side Band	(SB-SC)	madulation)M :	
			ype of Amy	1		
	(na in	formation	is contained	d. by	the worder.	the one carrier wave
F	In SSI USB (B-SC me uppur side	edulation, snly band) and	sne ISBClaur	side band is er side band))	toansmitted because both raving the same information.
-	Therefore require	t the to	ans mission ban paumer campo	dwidth when to	's reduced to other nethod	half and abs of A.M.
4,	There are	e tim nett	ad of general	tion of S	SB-SC:	
	1.	Frequency Hilbert to	<u>discrimination</u> ansform met	method had ar	Phase discrimi	
vision		2 3 4	5 6 7	8 9	10 11 12 Teacher's	13 14 15 16 17 18 S Signature :

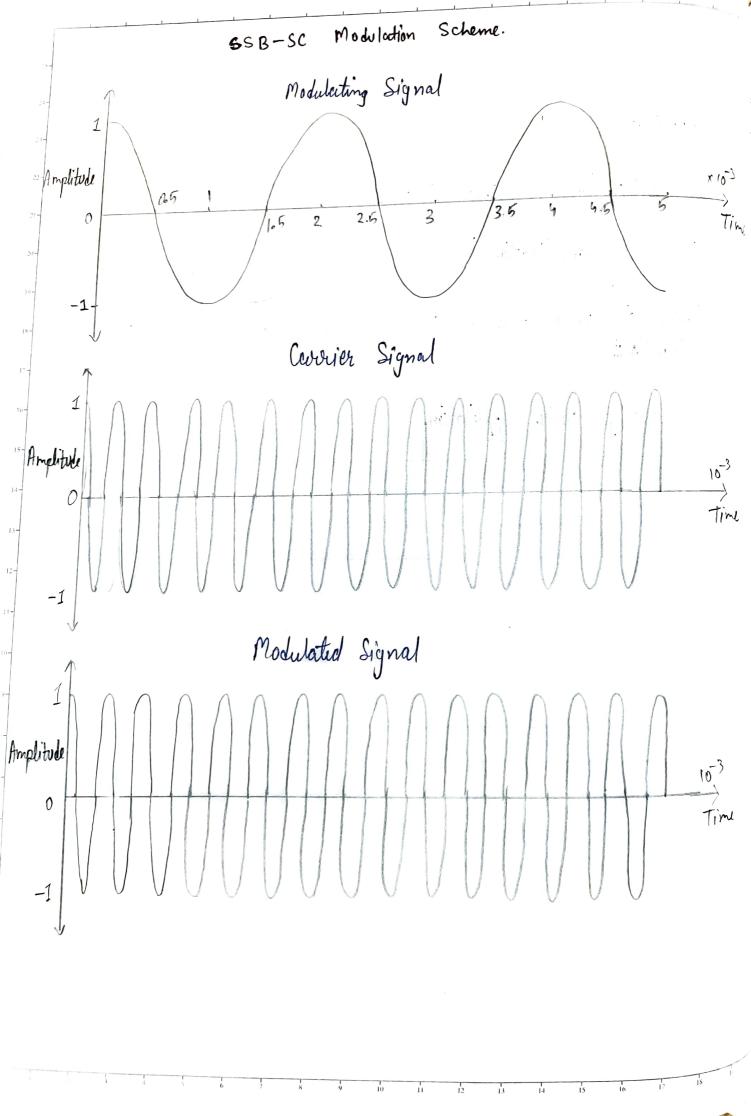


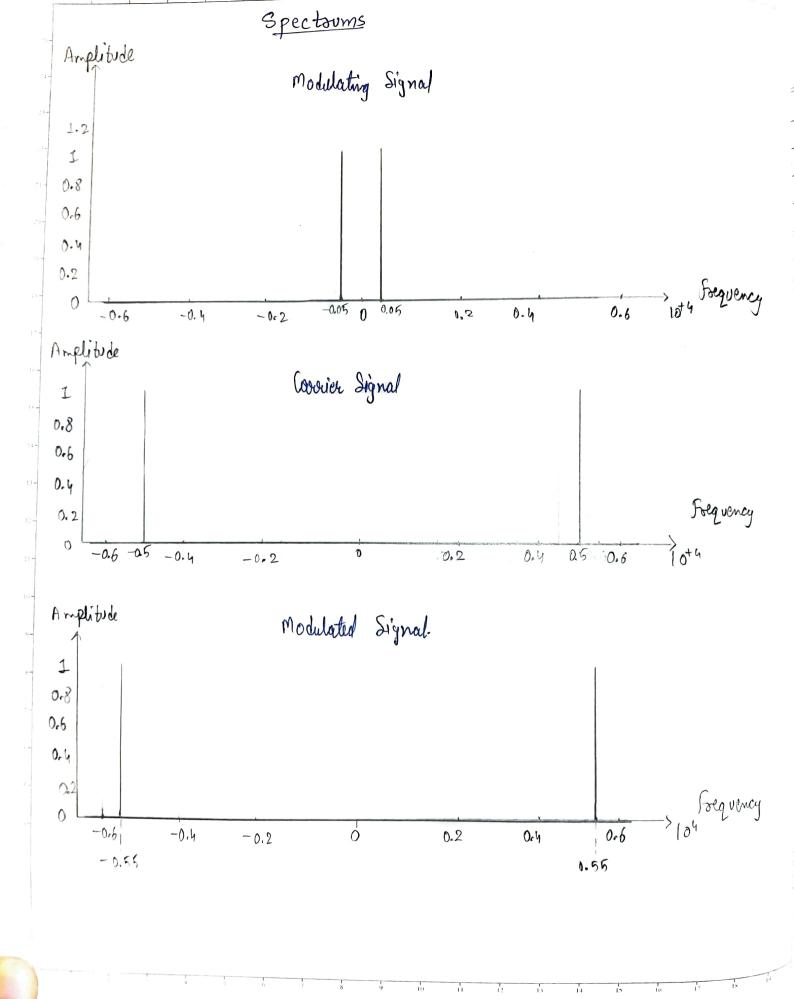
Expt. No.	Date						
AIM:							
5.	Applications:						
→	In point to -point communication.						
-	Radar communication.						
-	Where the power saving and low bandwidth requirements are important.						
	important.						
→	In many voice application.						

Expected Result



- a) Spectrum of message signal.
 b) Spectrum of DSB-SC Wewe
- () Spectrum of DSB-SC with only USB toconsmitters
- Spectrum of DSB-SC with only LSB transmitters.





	Page No
Expt. No	Date
AIM:	
CONCLUSIONS	We successfully observed Single Side bound (SSB-SC) Modulation Scheme. and as we come to Know that here law Boundwidth is suggisted for transmission. Hence, We also some Power.
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