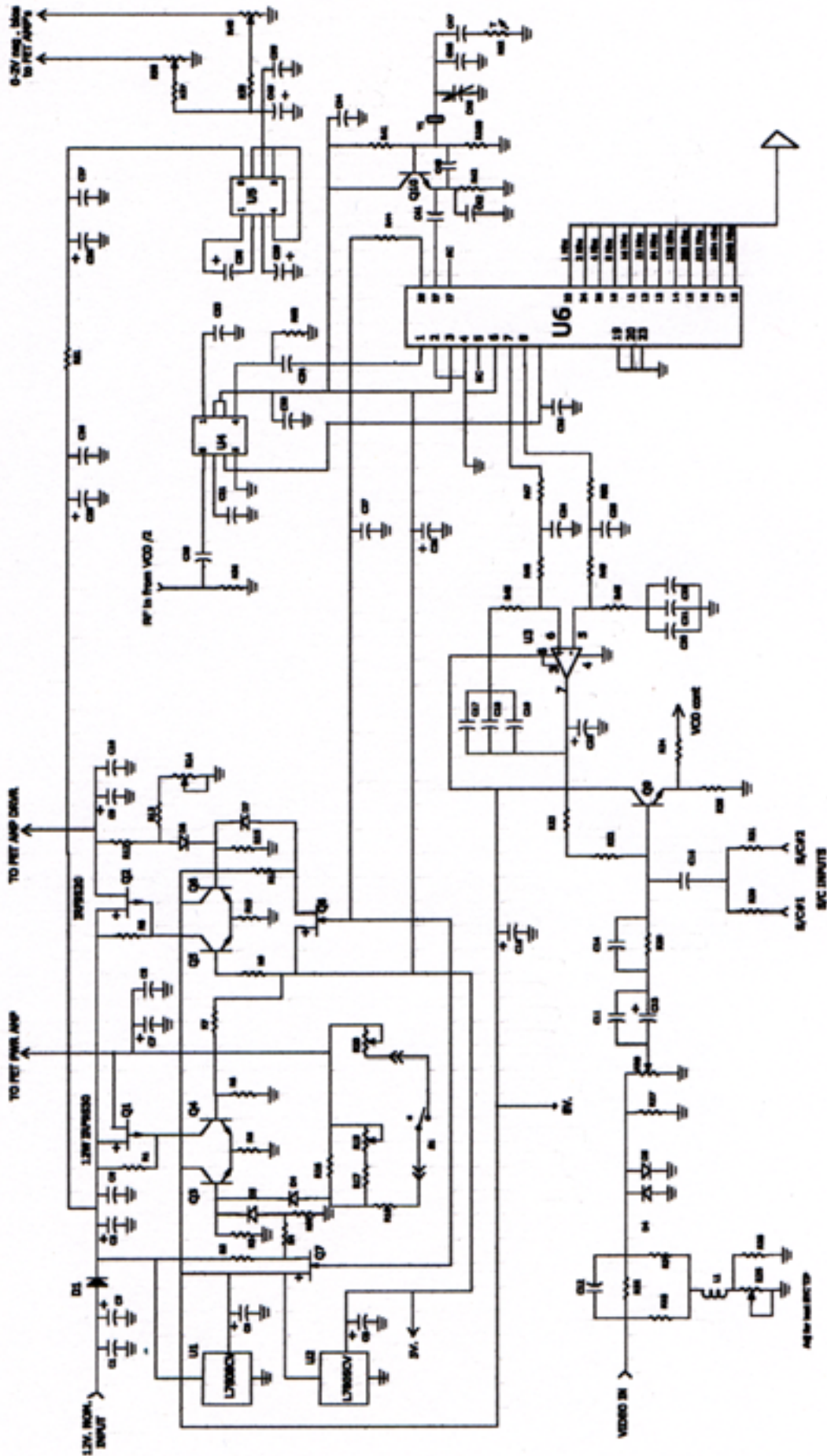
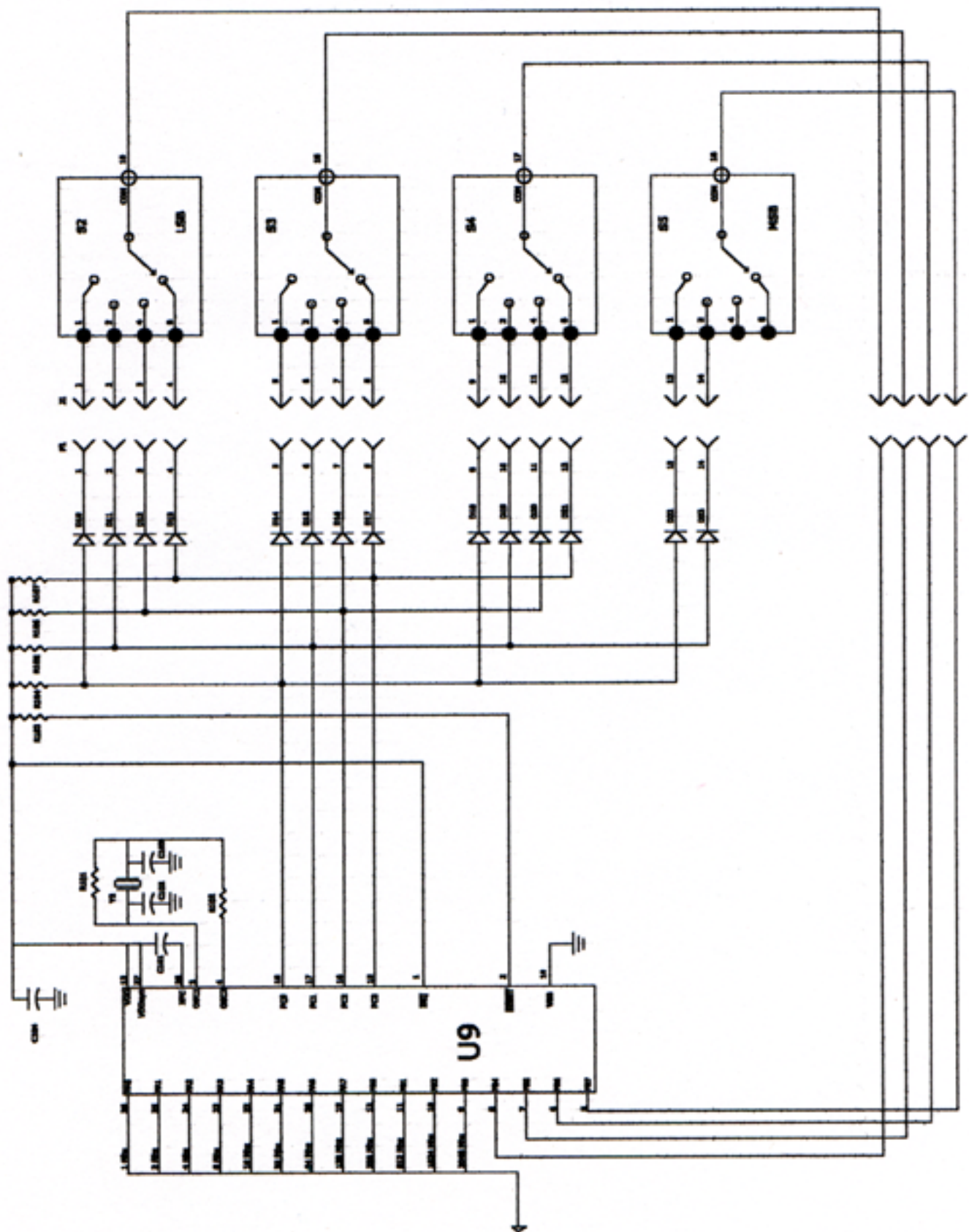
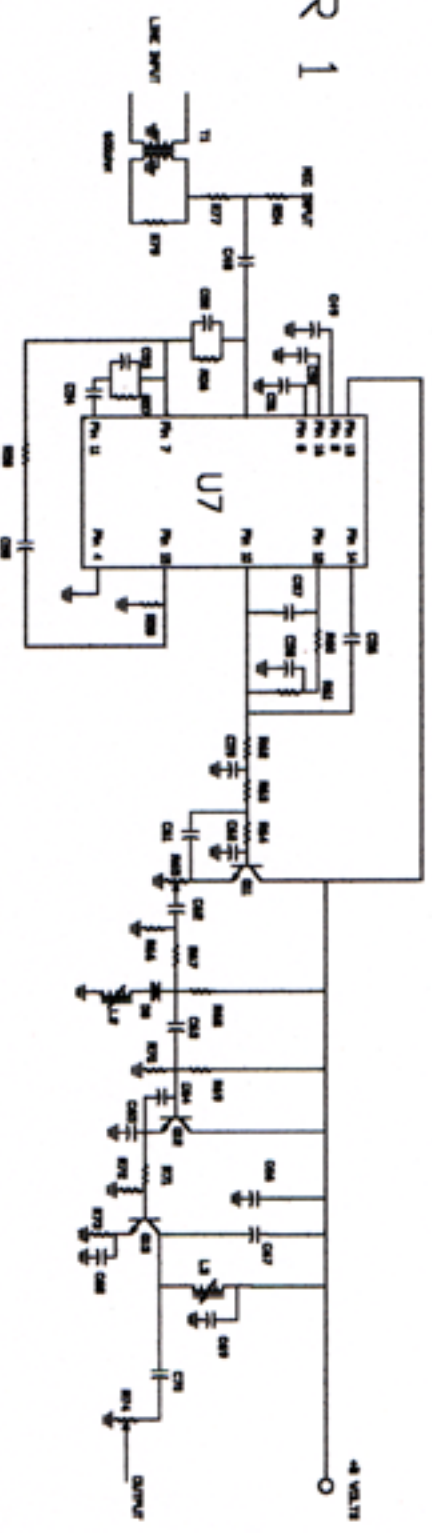


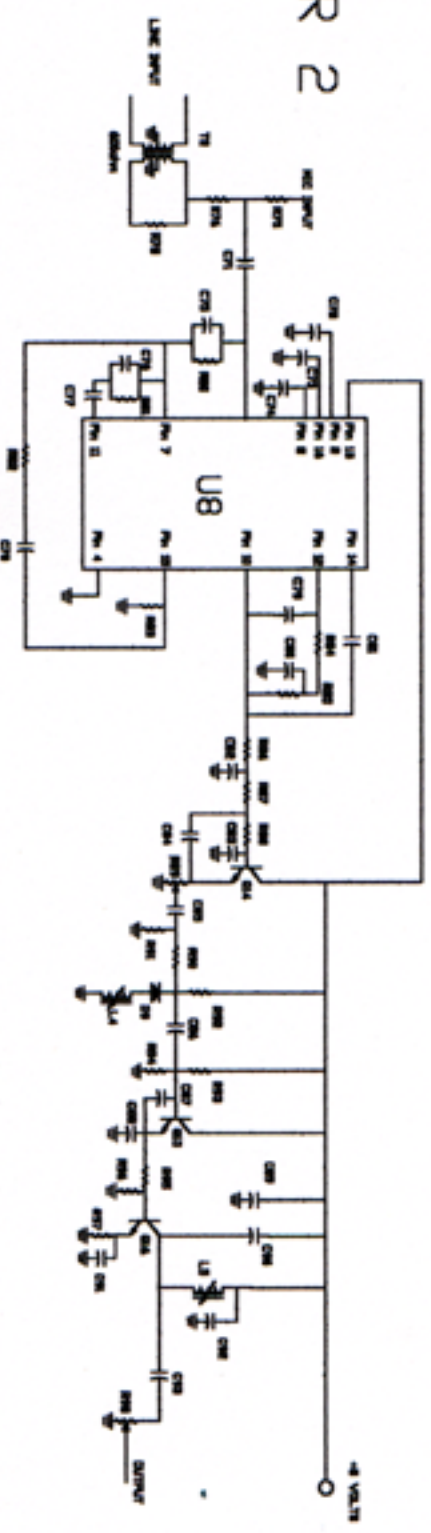


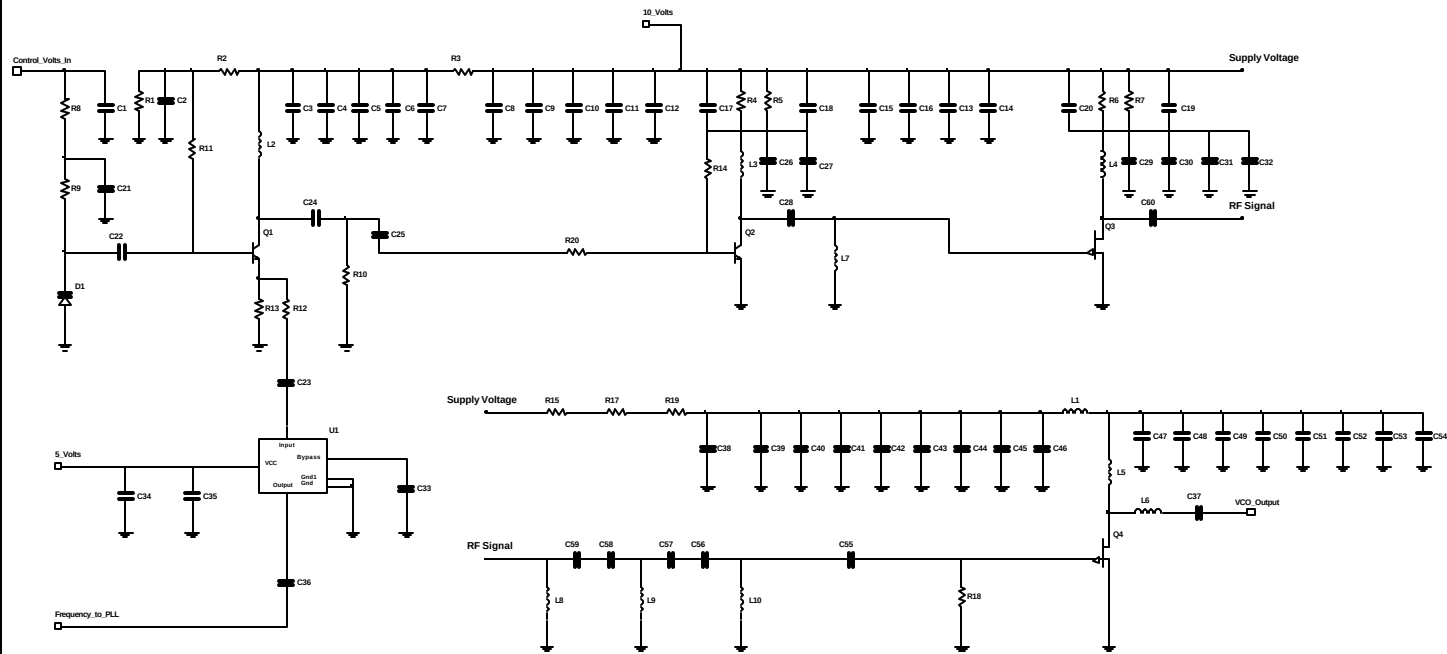


SUB-CARRIER 1



SUB-CARRIER 2



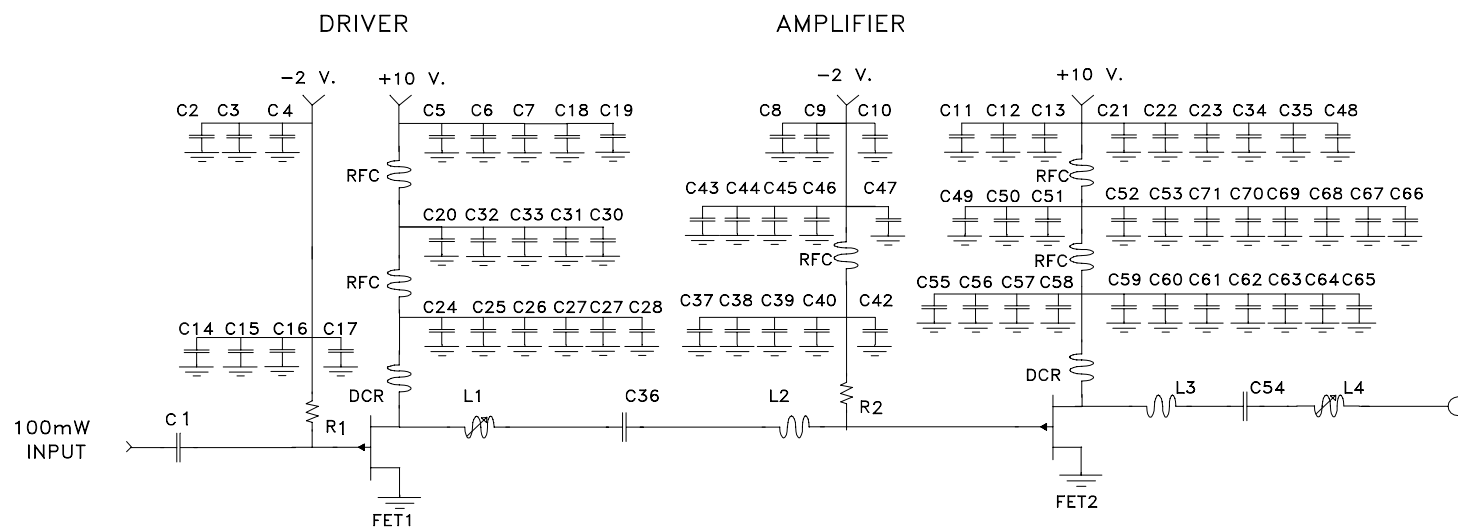


12 Ohm	R3 R20
22 Ohm	R17 R19
51 Ohm	R8 R15
75 Ohm	R10
220 Ohm	R12 R13
470 Ohm	R4 R5 R6 R7 R9 R11
2.2K	R1 R2 R18
10K	R14

0.2 pF CAPACITOR	C55 C56 C57 C58 C59 C60
1.0 pF CAPACITOR	C22 C23
1.5 pF CAPACITOR	C28 C37
3.3pF CAPACITOR	C24 C25 C32 C38 C42 C45
27 pF CAPACITOR	C1 C2 C3 C7 C8 C11 C13 C16 C17 C18 C19 C20 C21 C31 C39 C46 C50
220 pF CAPACITOR	C4 C10 C15 C27 C30 C36 C40 C43 C47 C52
1nF CAPACITOR	C5 C9 C14 C26 C29 C33 C35 C41 C44 C48
0.1uF CAPACITOR	C6 C12 C34
0.33uF CAPACITOR	C49 C51 C53 C54

MA46H201 VARACTOR	D1
MRF9411 NPN TRANS.	Q1 Q2
NE325501 GAASFET	Q3 Q4
UPB1508GV DIVIDE BY 2	U1

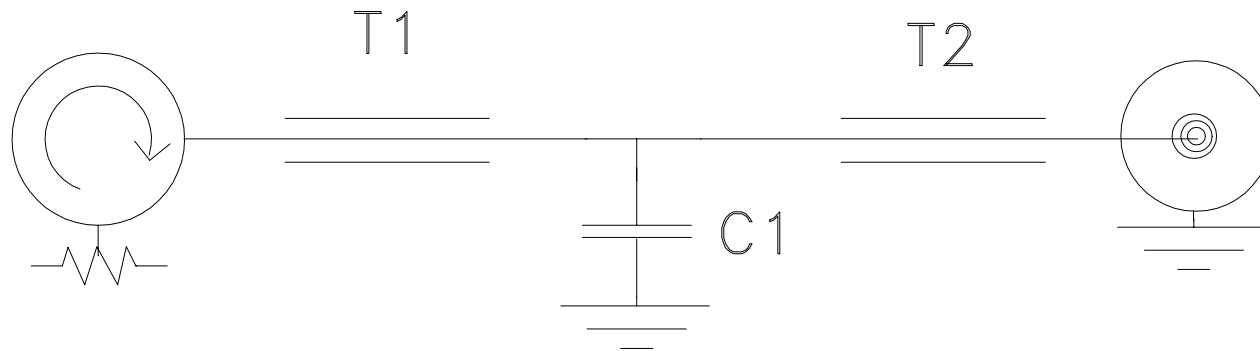
Title: VCO Schematic - FCC			
VCO Schematic - FCC			
Designed by:	Jerel Byrd	Document N:	0001
Checked by:		Date:	May 07, 2002
Approved by:		Sheet:	1 of 1
		Revision:	1.0
		Size:	Custom



C36	0.5pF	50V. PORCILON CHIP CAP
C1	1.0pF	50V. PORCILON CHIP CAP
C54	1.5pF	50V. PORCILON CHIP CAP
C11 C14 C17 C19 C20 C21 C24 C31 C37 C42 C45 C46 C48 C55 C60 C61 C64 C65 C66 C67	3.3pF	50V. PORCILON CHIP CAP
C2 C7 C10 C15 C22 C30 C32 C34 C38 C44 C51 C62 C68	27pF	50V. PORCILON CHIP CAP
C3 C6 C9 C12 C25 C33 C35 C39 C43 C49 C56 C69	220pF	50V. PORCILON CHIP CAP
C4 C5 C8 C13 C26 C40 C47 C52 C57 C70	1000pF	50V. PORCILON CHIP CAP
C16 C18 C23 C27 C28 C29 C41 C50 C53 C58 C59 C63 C71	.33uF	50V. PORCILON CHIP CAP
R1	2.2K	200mW CHIP RESISTOR
R2	4.7K	200mW CHIP RESISTOR
L1 L2 L3 L4	PRINTED	
FET1	GAASFET FUJITSU, FSX027WF	
FET2	GAASFET FUJITSU, FLC257MH-8	

1 WATT DRIVER-AMPLIFIER, 6875-7125 Mhz

OUTPUT



ISO

T1	50	Ohm	Line
T2	18	Ohm	Line
C1	1.5	pF	