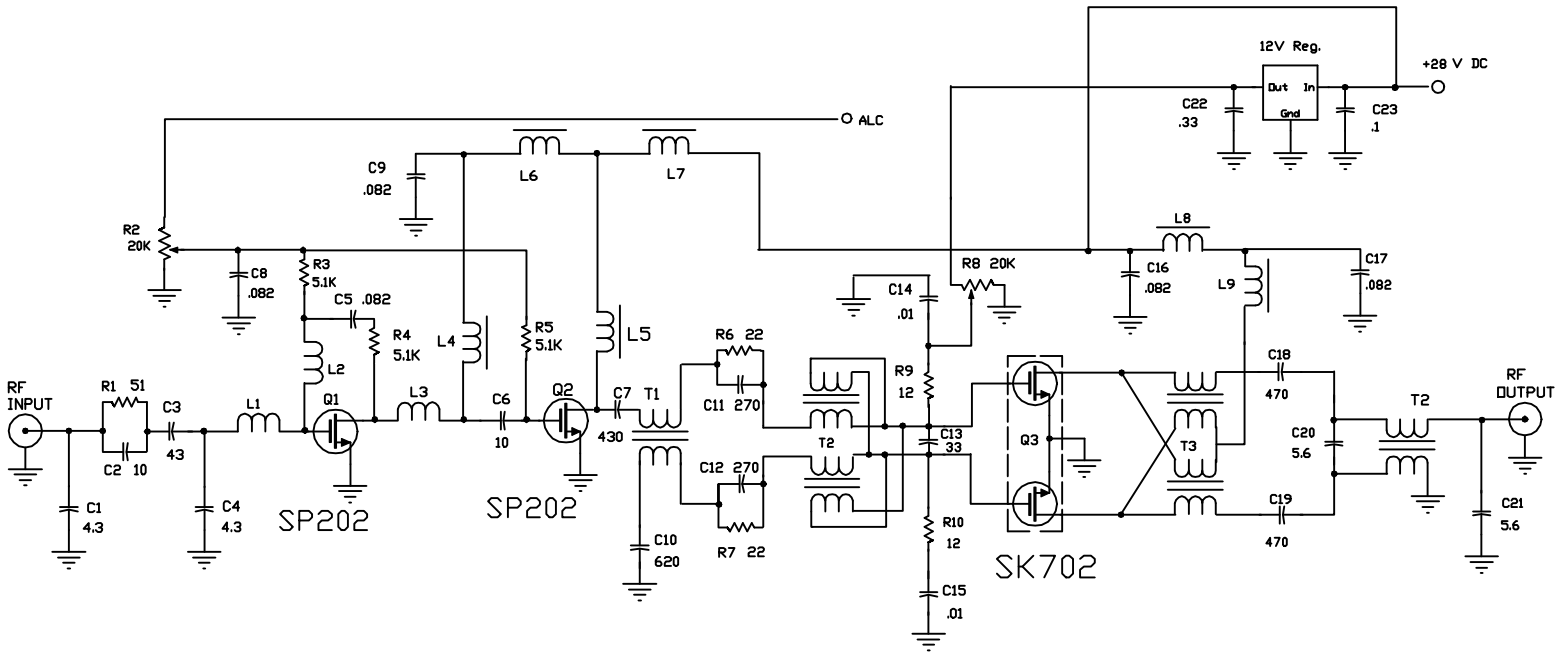
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



DRN BY S. K. LEONG	5/15/99	POLYFET RF DEVICES
CHKD		SCHEMATIC
ELECT		225-400MHz 40W CW/AM AMPLIFIER
MECH		SIZE A | FSCM NO. | TB-109 | REV
PROC		SCALE: | SHEET 1 OF 1
QUAL		
PGMS		

TB-109 DATA

POWER OUTPUT VS ALC VOLTAGE 225 MHz, Pin = 15mW

Po W	18V ALC=V	It=A	20V ALC=V	It=A	22V ALC=V	It=A	28V ALC=V	It=A	32V ALC=V	It=A
1	7.84	1.69	7.78	1.71	7.69	1.75	7.37	1.89	7.25	2.03
5	8.36	1.86	8.33	1.88	8.28	1.93	8.12	2.08	8	2.21
10	8.62	2.05	8.59	2.09	8.54	2.13	8.38	2.27	8.3	2.4
15	8.83	2.27	8.77	2.29	8.72	2.35	8.57	2.48	8.48	2.58
20	9.05	2.5	8.95	2.53	8.88	2.56	8.72	2.69	8.63	2.7
25	9.31	2.71	9.13	2.75	9.02	2.77	8.85	2.89	8.77	2.97
30	9.86	3.02	9.35	2.96	9.18	2.98	8.96	3.08	8.88	3.15
35			9.77	3.23	9.41	3.21	9.09	3.3	9.02	3.39
34	12	3.65								
41			12	3.95						
49					12	4.23				
70							12	4.99		
80									12	5.33

POWER OUTPUT VS ALC VOLTAGE 300 MHz, Pin = 15mW

Po W	18V ALC=V	It=A	20V ALC=V	It=A	22V ALC=V	It=A	28V ALC=V	It=A	32V ALC=V	It=A
1	7.8	1.6	7.72	1.69	7.66	1.75	7.53	1.91	7.44	2.06
5	8.37	1.81	8.28	1.87	8.21	1.92	8.05	2.06	7.96	2.2
10	8.74	2.07	8.64	2.1	8.55	2.13	8.37	2.24	8.26	2.34
15	9.05	2.37	8.9	2.36	8.81	2.37	8.6	2.43	8.48	2.52
20	9.4	2.72	9.18	2.66	9.04	2.62	8.8	2.64	8.68	2.71
25	9.97	3.14	9.47	2.96	9.27	2.88	8.87	2.86	8.85	2.9
30			9.93	3.33	9.55	3.18	9.15	3.09	9.02	3.11
35			11.4	3.93	9.95	3.52	9.32	3.31	9.17	3.32
28.5	12	3.82								
35			12	4.08						
42					12	4.3				
62							12	4.87		
72									12	5.15

POWER OUTPUT VS ALC VOLTAGE 400 MHz, Pin = 15mW

Po W	18V ALC=V	It=A	20V ALC=V	It=A	22V ALC=V	It=A	28V ALC=V	It=A	32V ALC=V	It=A
1	7.10	1.65	7.03	1.70	7.01	1.76	6.95	1.92	6.92	2.05
5	7.58	1.91	7.54	1.95	7.50	2.00	7.45	2.15	7.42	2.20
10	7.92	2.27	7.87	2.28	7.83	2.30	7.77	2.42	7.74	2.50
15	8.21	2.64	8.15	2.64	8.11	2.65	8.03	2.72	7.99	2.80
20	8.52	3.02	8.40	2.98	8.35	2.98	8.26	3.03	8.21	3.05
25	8.95	3.43	8.70	3.35	8.60	3.32	8.47	3.33	8.42	3.30
30	10.16	3.98	9.10	3.71	8.87	3.65	8.68	3.62	8.63	3.60
35			10.13	4.21	9.27	4.00	8.90	3.90	8.84	3.90
31	12.00	4.37								
36			12.00	4.63						
42					12.00	4.87				
56							12.00	5.41		
58									12.00	5.57