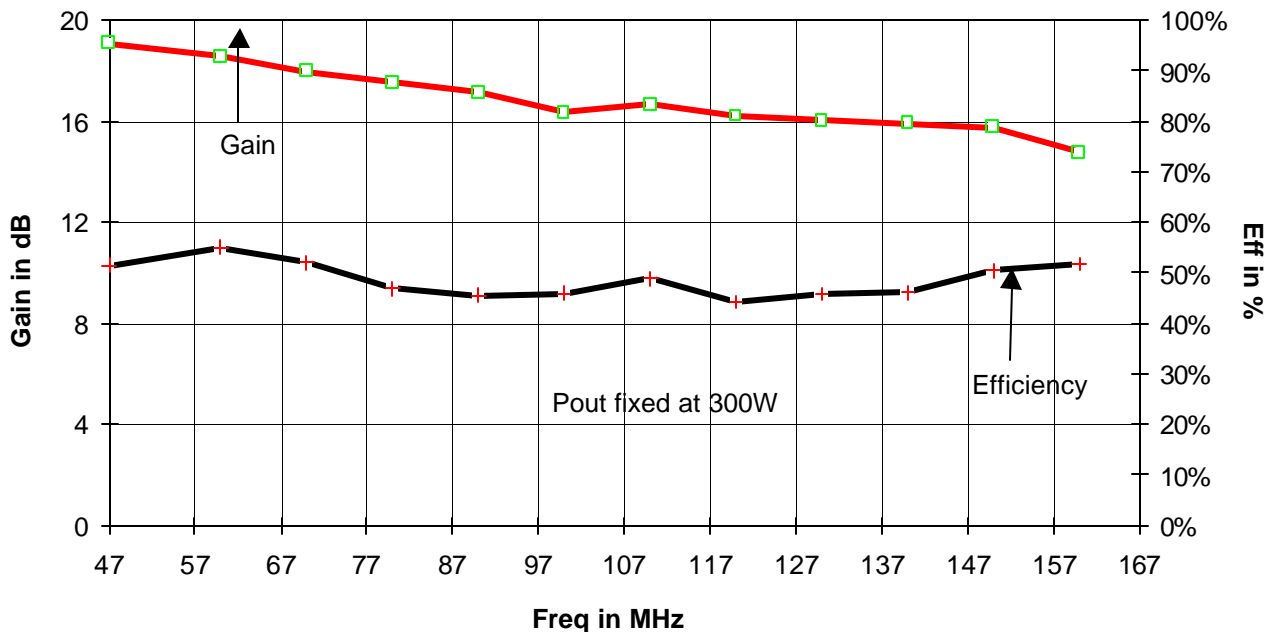
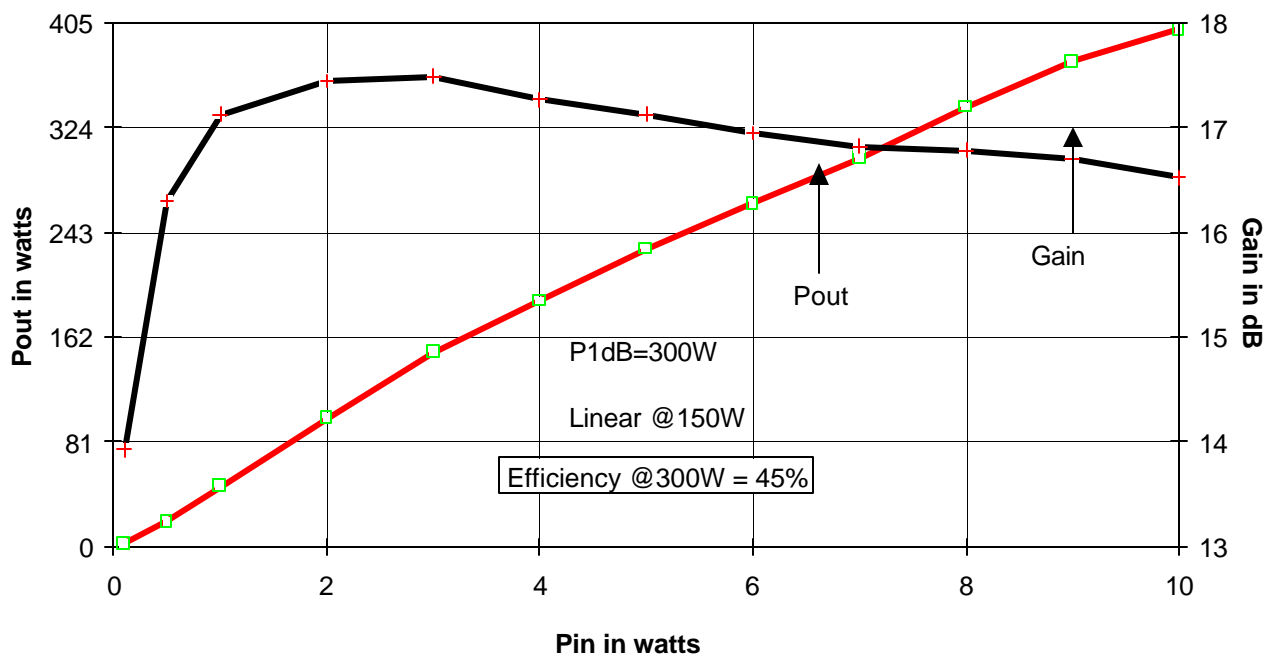
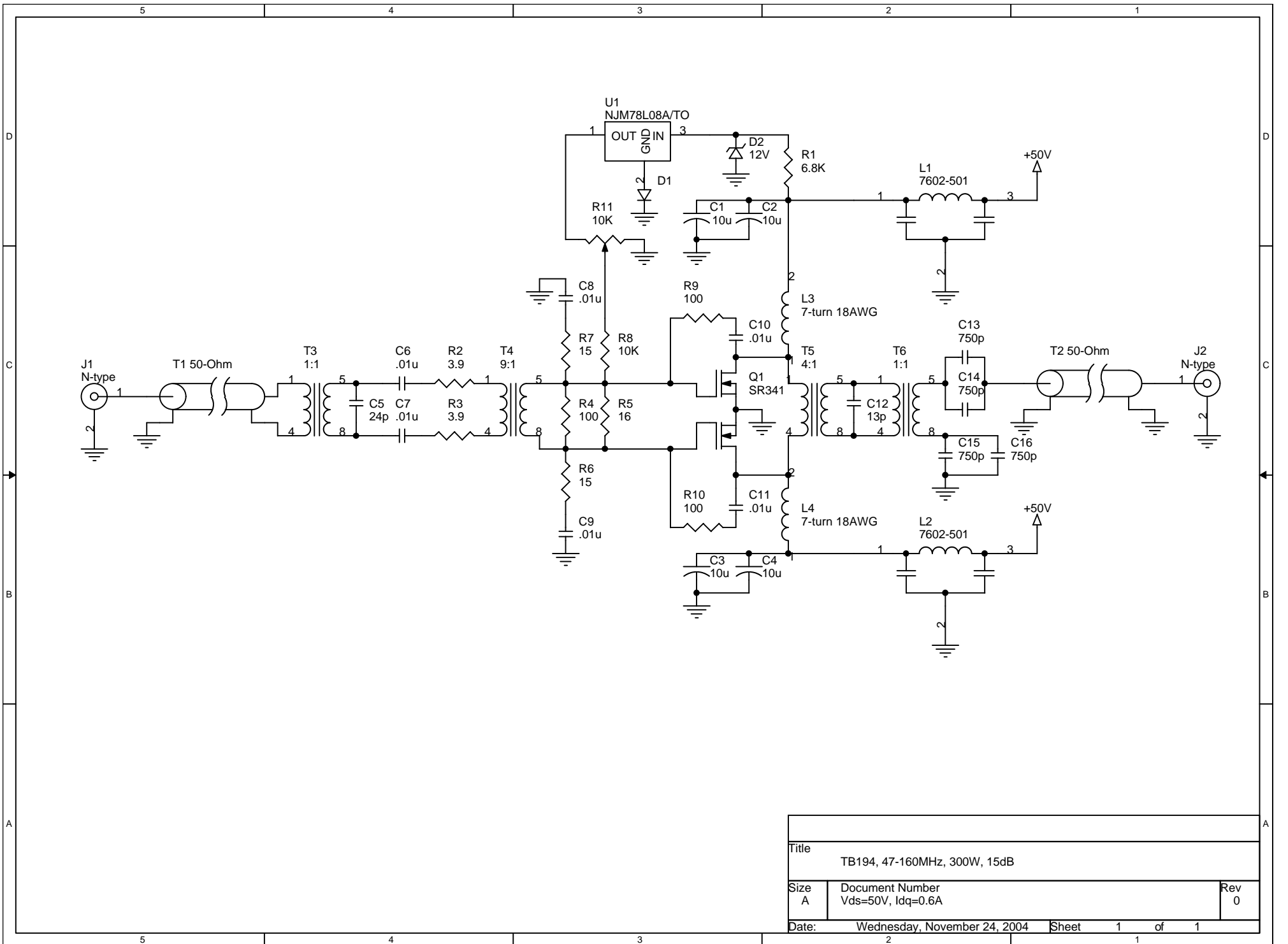


TB-194 Gain/Efficiency vs Frequency, $V_{ds}=50V_{dc}$ $I_{dq}=0.6A$

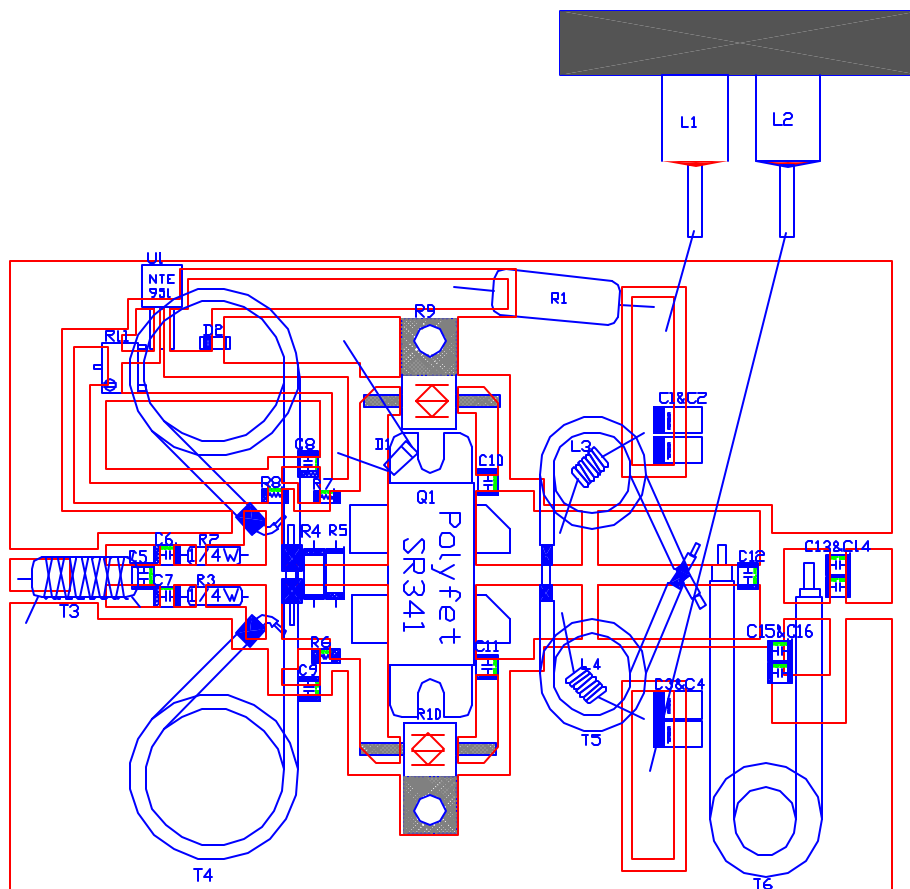


TB-194 Pout/Gain vs. Pin, $V_{ds}=50V_{dc}$ $I_{dq}=0.6A$ Freq=100MHz





Title		
TB194, 47-160MHz, 300W, 15dB		
Size	Document Number	Rev
A	Vds=50V, Idq=0.6A	0
Date:	Wednesday, November 24, 2004	Sheet 1 of 1



SYMBOL	VALUE	DESCRIPTION
C1 - C4	10uF	Value/Brand Solid Tantalum 300 Capacitor
C5	24pF	ATC100B Capacitor
C6 - C11	0.01uF	ATC200B Capacitor
C12	13pF	ATC100B Capacitor
C13 - C16	750pF	ATC700B Capacitor
D1	0.7V	General Purpose Diode
D2	12V	12V0.5mA Axial Zener Diode
J1*, J2*	N-type	Pasternack p/n 4492
L1, L2	2000pF	Tucson Filter p/n 7602-501
L3, L4	18AWG	7-turn, ID 0.330"
R1	6.8K-Ohm	1/4-Watt Axial Resistor
R2, R3	3.9-Ohm	1/4-Watt Axial Resistor
R4	100-Ohm	2-Watt Axial Resistor
R5	16-Ohm	2-Watt Axial Resistor
R6, R7	15-Ohm	1/4-Watt 1206 SMD Resistor
R8	10K-Ohm	1/4-Watt 1206 SMD Resistor
R9, R10	100-Ohm	KDC 20-Watt Flanged Resistor
R11	10K	POT, Highway p/n ST5V03CT-ND
T1*, T2*, T6	50-Ohm	12", Micro-Coax 1412-FDRH-F
T3	125mu	Import Mfg. 28 AWG Tinned Pol. 9-turn
T4, T5	21-Ohm	Belden, 8' per side
U1	8V	Linear Voltage Regulator, Import p/n 7808
Q1	SR341	Polyfet 50V VDMOS
Vds	50V	Drain Voltage
Icq	600mA	Quiescent Drain Current

Double sided 2oz Cu .064in
Er=3.5 FR-4

*J1, J2, T1, and T2 not shown

DRN BY: TChang	11/29/2004	POLYFET RF DEVICES	
CHKD: TChang	11/29/2004		
ELECT:		TB194 47-160MHz 300W 15dB	
MECH:		SIZE	FSCM NO
PROC:		SR341 50V, 0.6A	
QUAL:		REV	A
PGMS:		SCALE: 1:1	SHEET 1 OF 1

