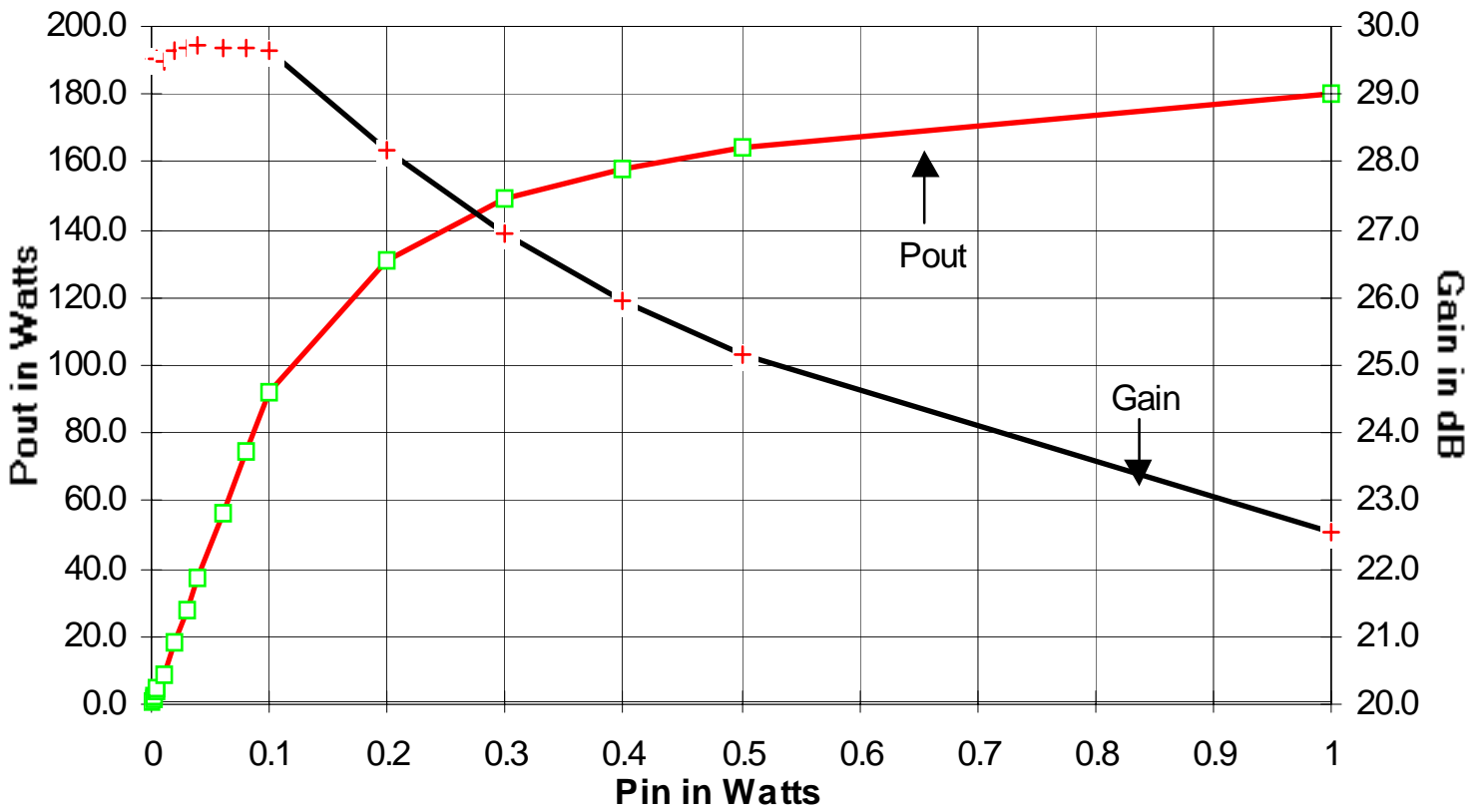
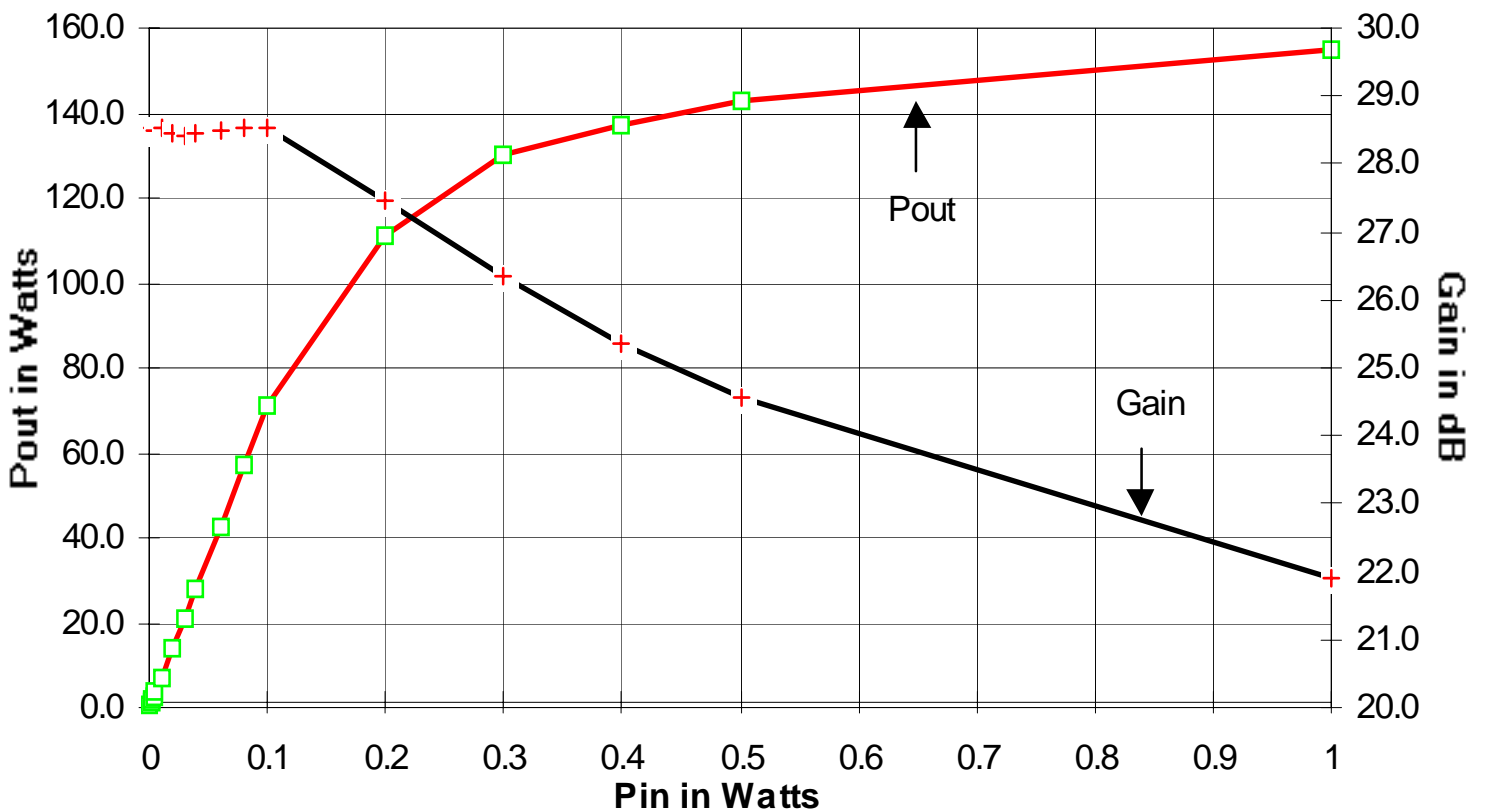


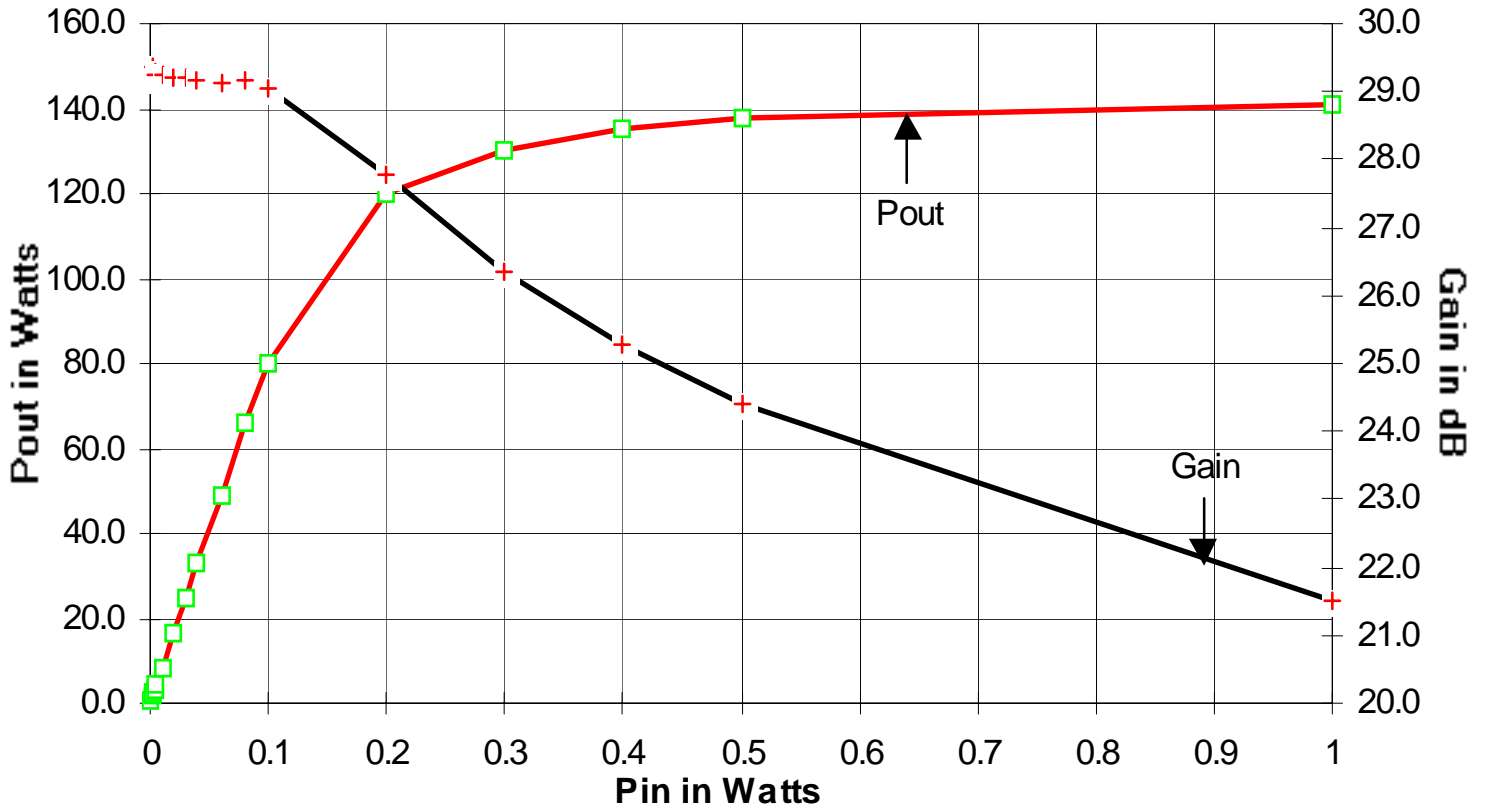
**TB-210 Pin vs Pout Freq=30MHz Vds=28Vdc**



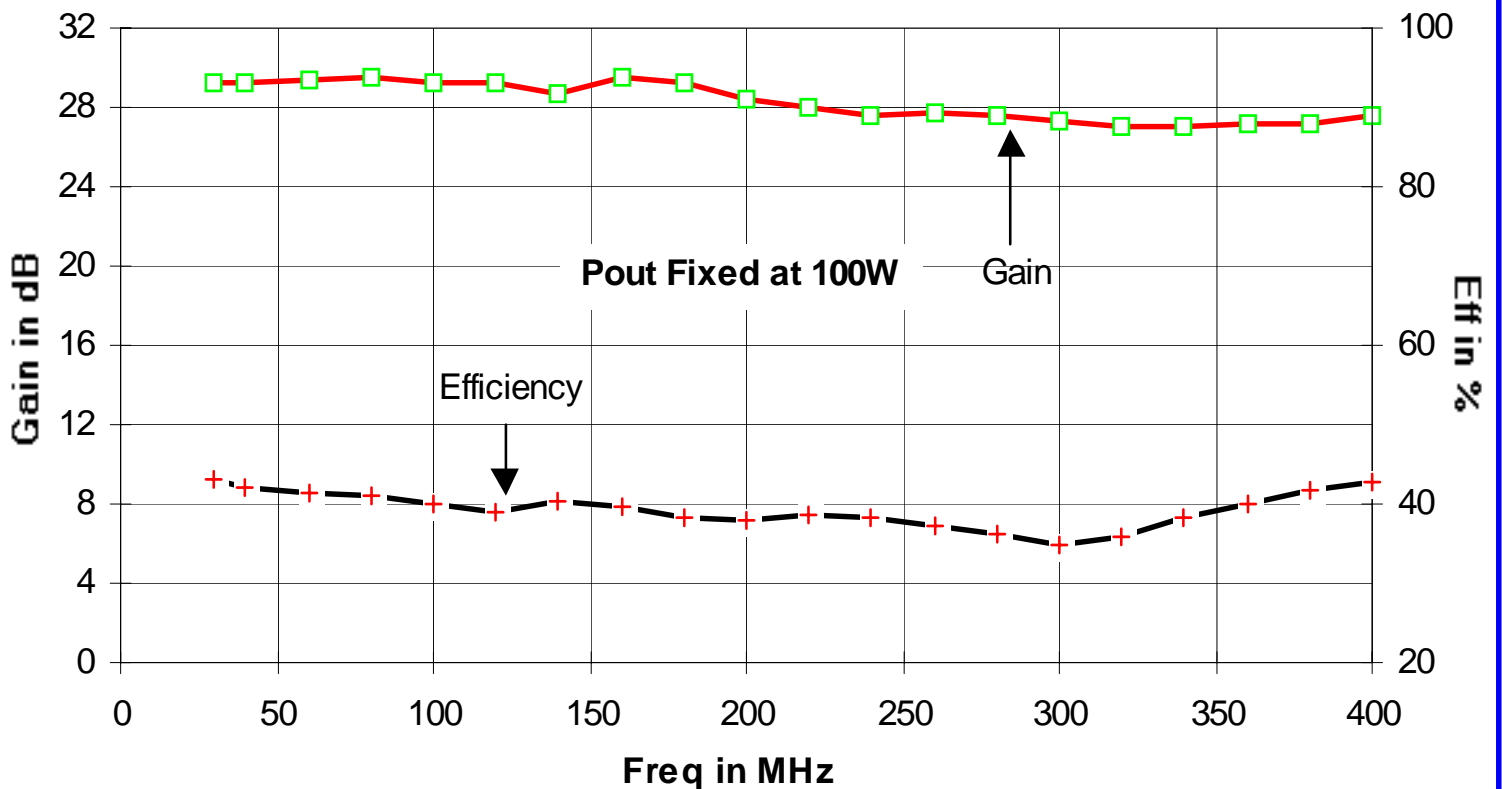
**TB-210 Pin vs Pout Freq=200MHz Vds=28Vdc**

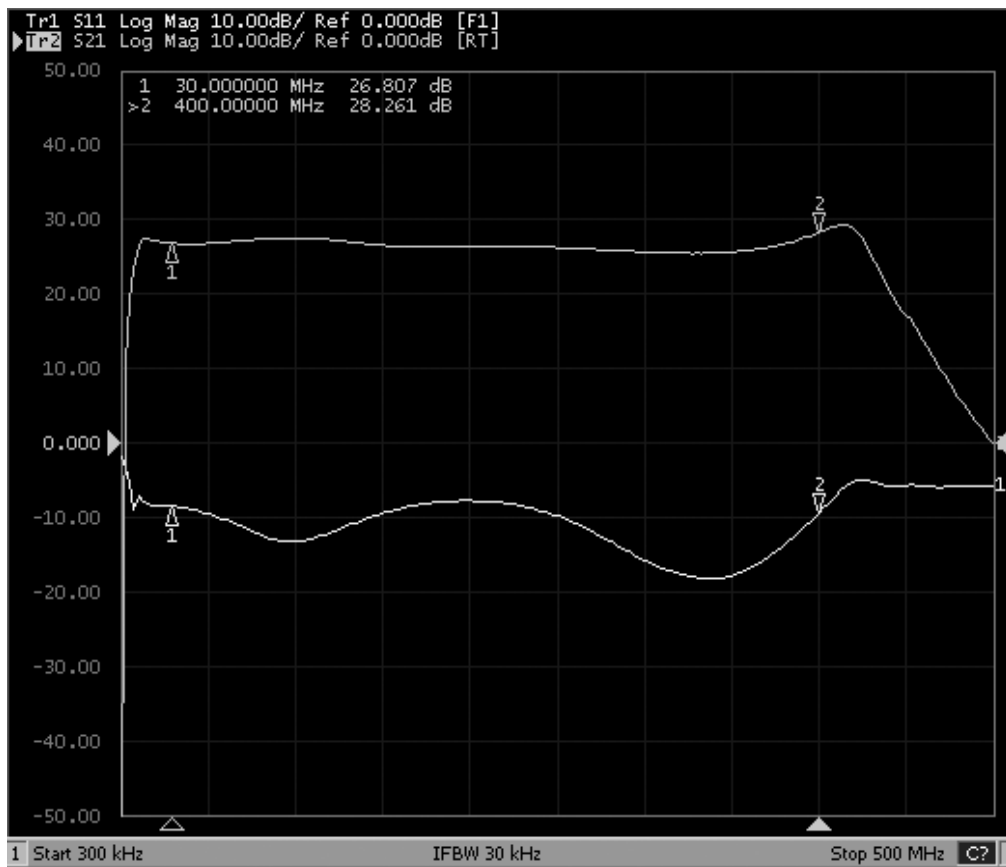
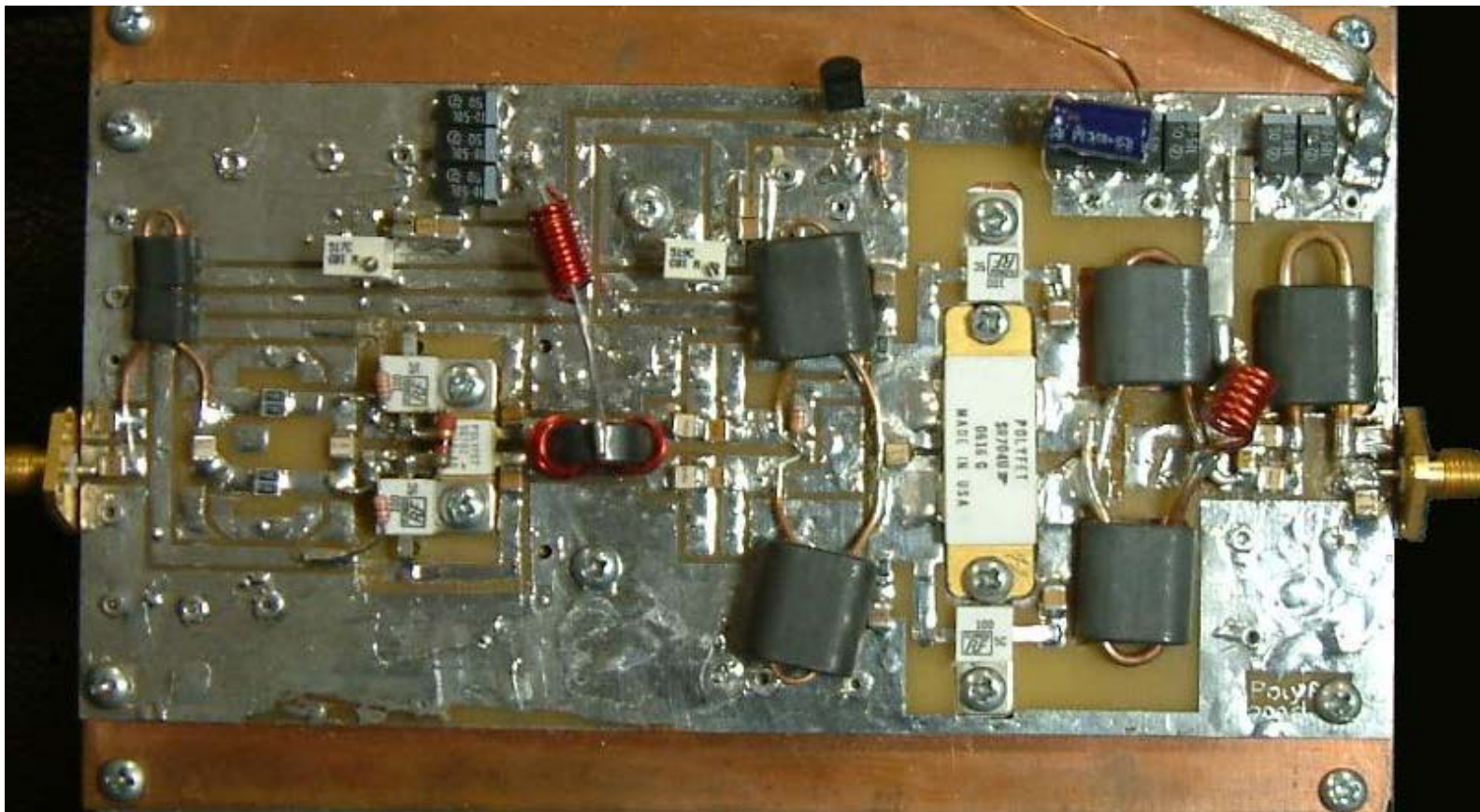


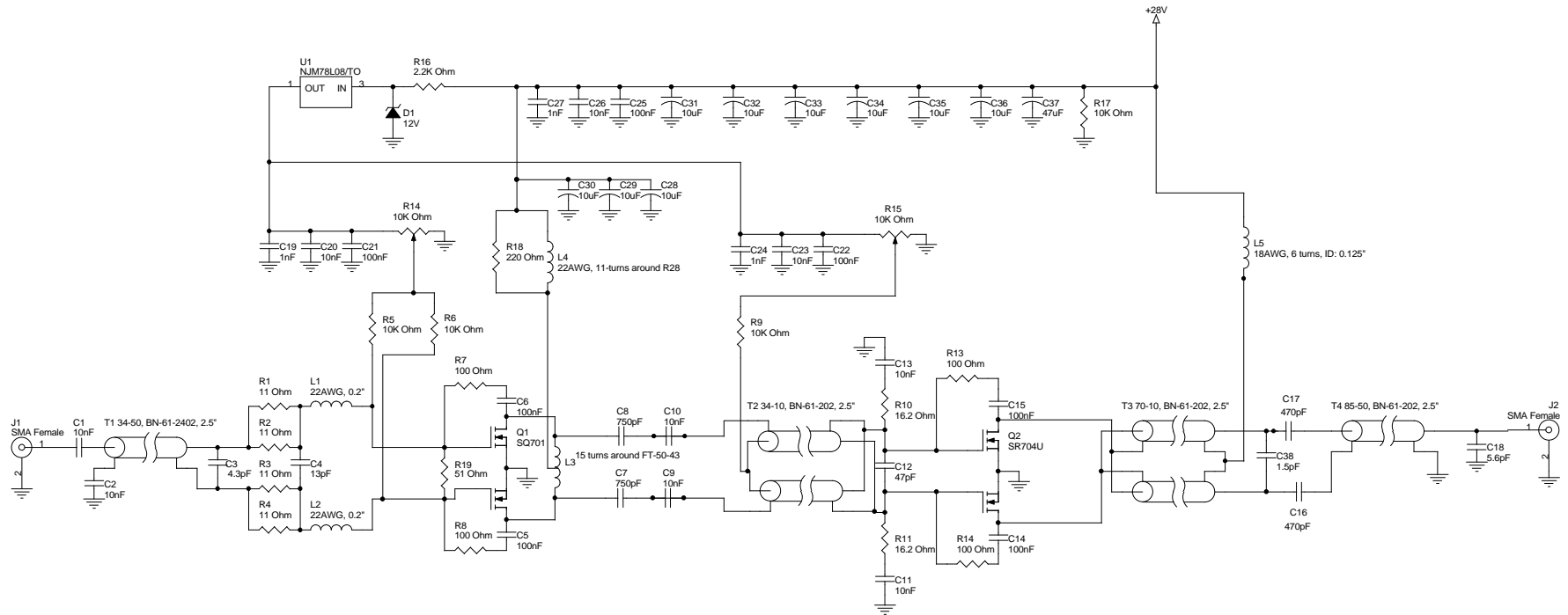
**TB-210 Pin vs Pout Freq=400MHz Vds=28 Vdc**



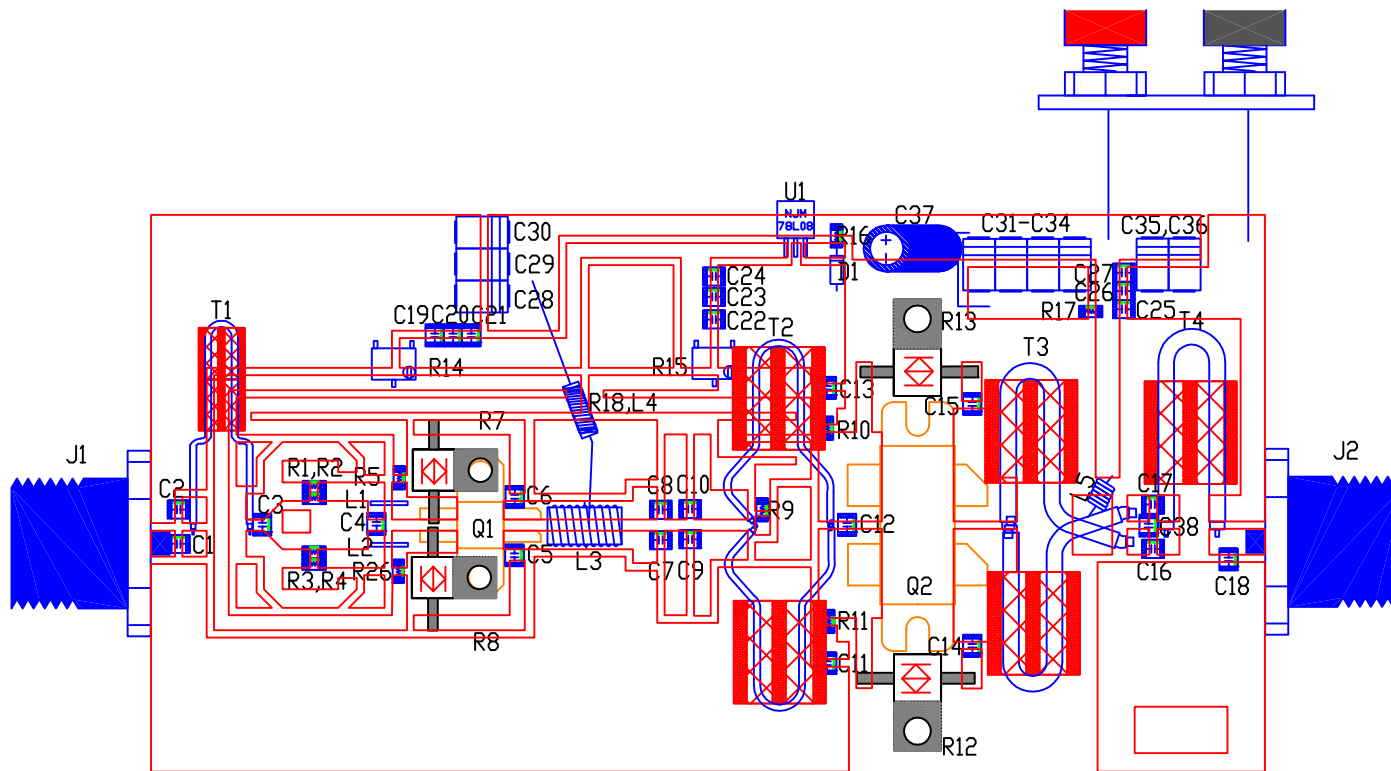
**TB-210 Gain & Efficiency flatness; VDS=28Vdc Idq=1.4A**







Title		
TB210, 30-400MHz, 100W ,25dB		
Size	Document Number	Rev
Custom	<Doc>	<Rev Code>
Date:	Monday, March 26, 2007	Sheet 1 of 1



SYMBOL	VALUE	DESCRIPTION
C1,C2,C5,C10,C11,C13,C20,C23,C26	10nF	ATC Capacitor ATC200B
C3	4.3pF	ATC Capacitor ATC100B
C4	13pF	ATC Capacitor ATC100B
C5,C6,C14,C15,C21,C22,C25	100nF	ATC Capacitor ATC200B
C7,C8	750pF	ATC Capacitor ATC700B
C12	47pF	ATC Capacitor ATC100B
C16,C17	470pF	ATC Capacitor ATC700B
C18	5.6pF	ATC Capacitor ATC100B
C19,C24,C27	1nF	ATC Capacitor ATC700B
C38	1.5pF	ATC Capacitor ATC100B
C28-C36	10uF	Vishay/Sprague Tantalum Case B
C37	47uF	63V Electrolytic Aluminum
D1	12V	Axial Zener Diode
J1,J2	50 Ohm	Pasternack SMA Female
L1,L2	22AWG	Length=0.2', hairpin
L3	22AWG	Center-tapped, 15 turns around FT30-43
L4	22AWG	11 turns around R28
L5,L6	18AWG	6 turns, ID: 0.125"
Q1	SQ701	Polyfet VDMOS
Q2	SR704U	Polyfet VDMOS
R1-R4	11 Ohm	1/4-Watt 1206 Resistor
R5-R6	10k	0605 Resistor
R7,R8,R12,R13	100 Ohm	Florida RF 15-Vatt Flanged Mount Resistor
R9	10K Ohm	1/4-Watt Metal-Film Axial Resistor
R10,R11	16.20Ohm	1206 Resistor
R14,R15	10K Ohm	6mm MULT-TURN PDT
R16	2.2K Ohm	1206 Resistor
R17	10K	1206 Resistor
R18	220 Ohm	1W Metal Film Axial
R19	51 Ohm	1W Metal Film Axial
T1	50 Ohm	UT34-50, length=2.5', 2x3H-61-2402
T2	10 Ohm	UT34-10, length=2.5'/side, 3H-61-202/side
T3	10 Ohm	UT70-10, length=2.5'/side, 3H-61-202/side
T4	50 Ohm	UT85-50, length=2.5', 3H-61-202
U1	8V	Voltage Regulator, N,M78L08A

DRN BY:Ed Cunningham	03/20/2006	<b>POLYFET RF DEVICES</b>	
CHKD : J.Citrolo	06/8/2006		
ELECT :Ed Cunningham	06/6/2006	TB210, 30-400MHZ, 100W, 25dB	
MECH :Ed Cunningham	06/5/2006	SIZE	FSCM NO
PRIC :		SQ701-->SR704u, Vds=28V, Idq=0.4A+1.0A	
QUAL :		SCALE : 1 : 1	REV 0
PGMS :		SHEET 1 OF 1	