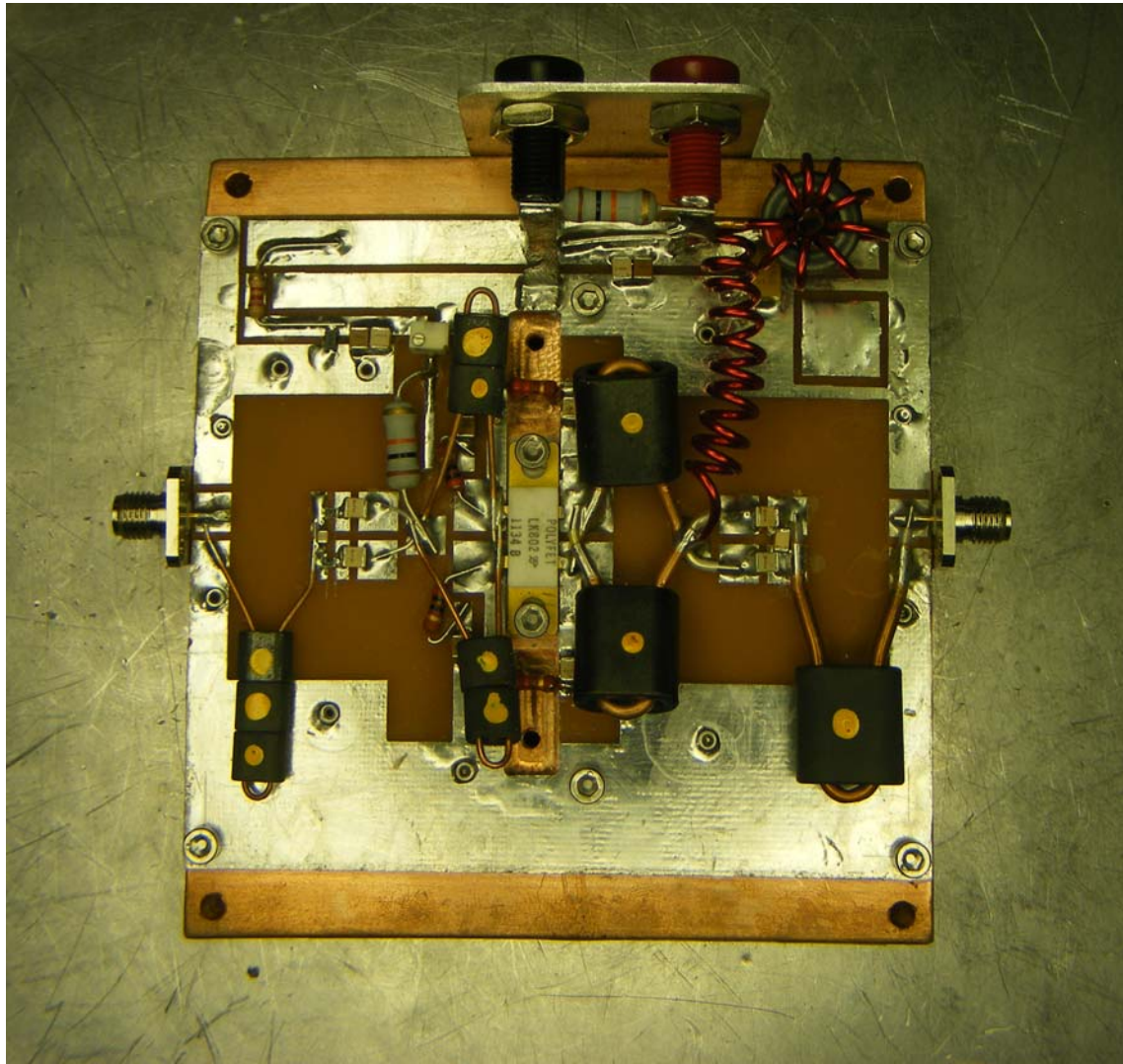
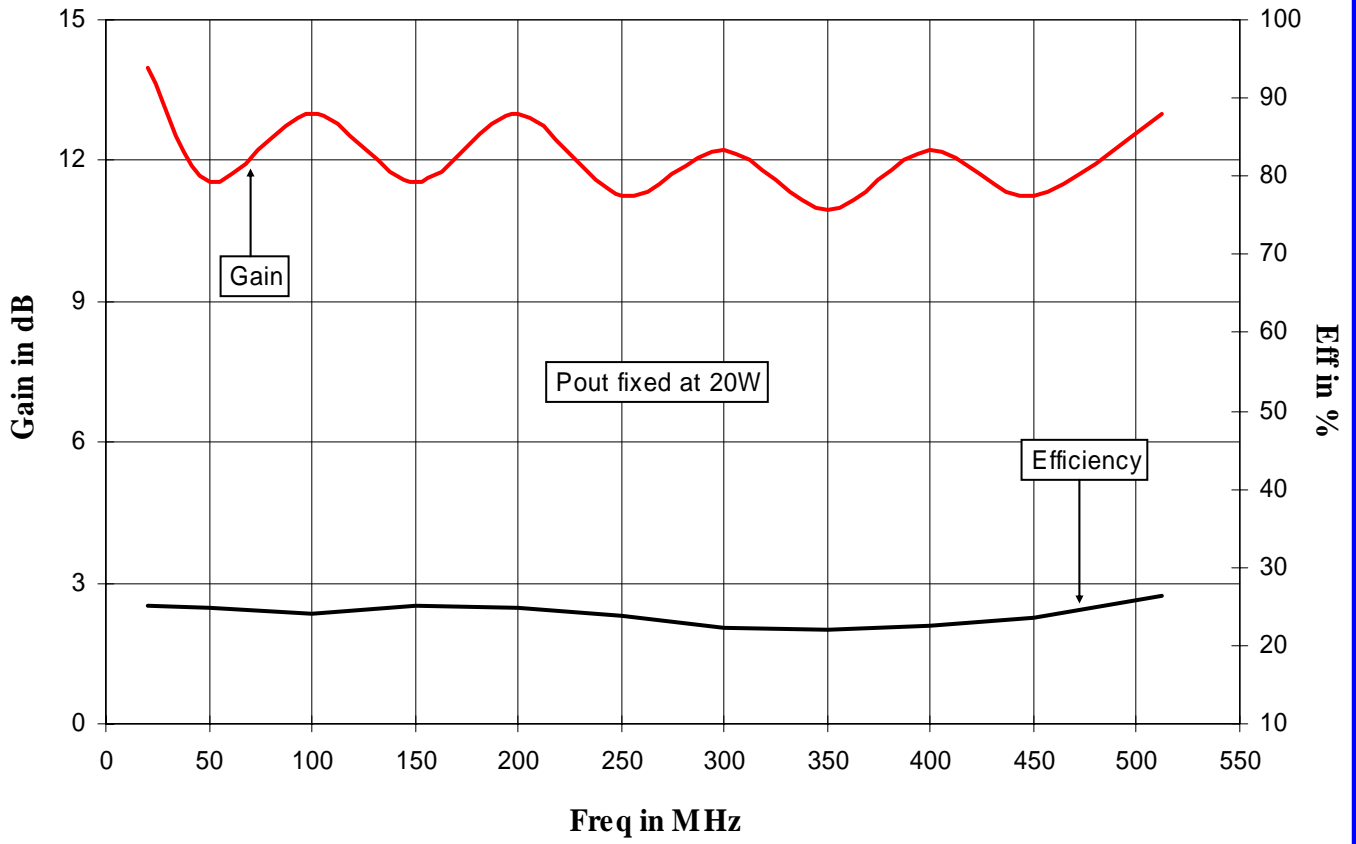


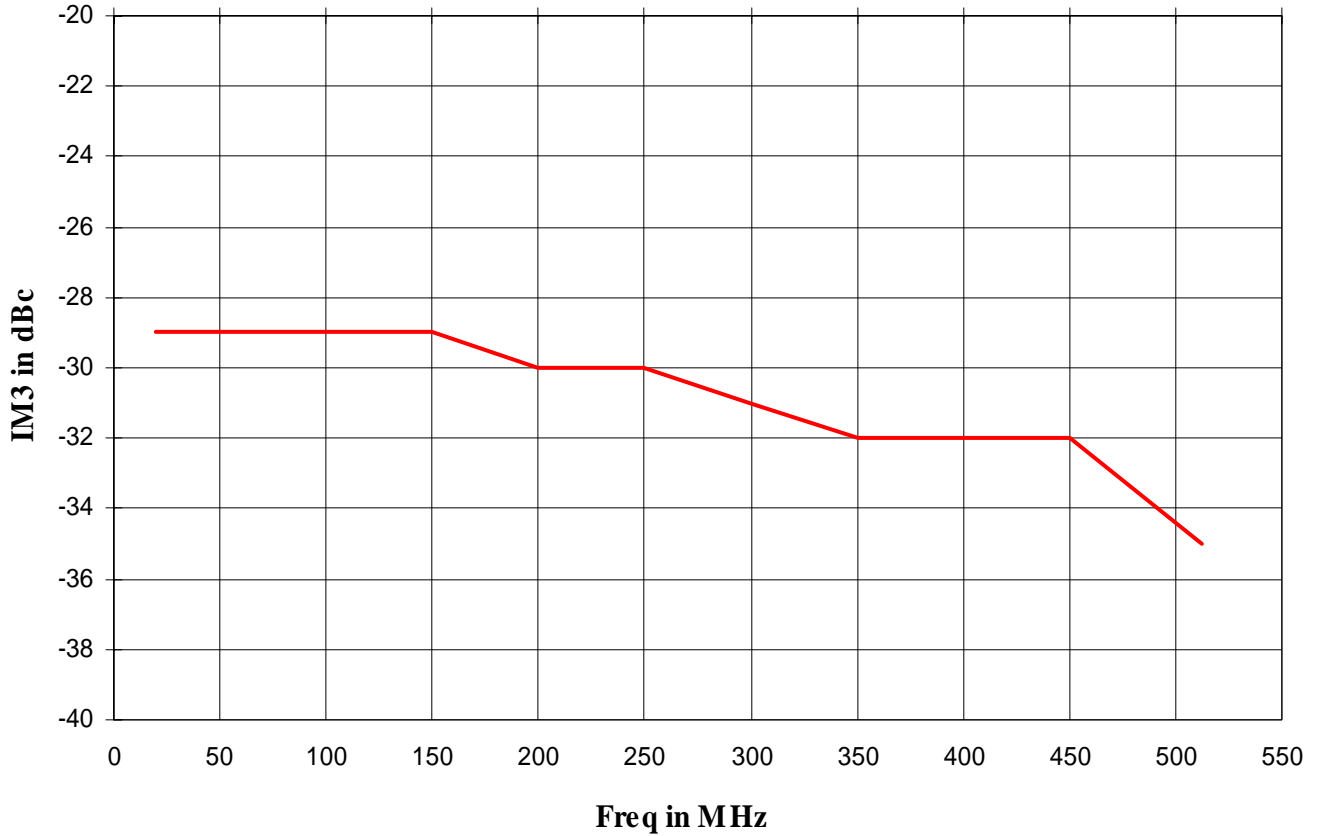
TB220
LK802
20-512MHz 20W

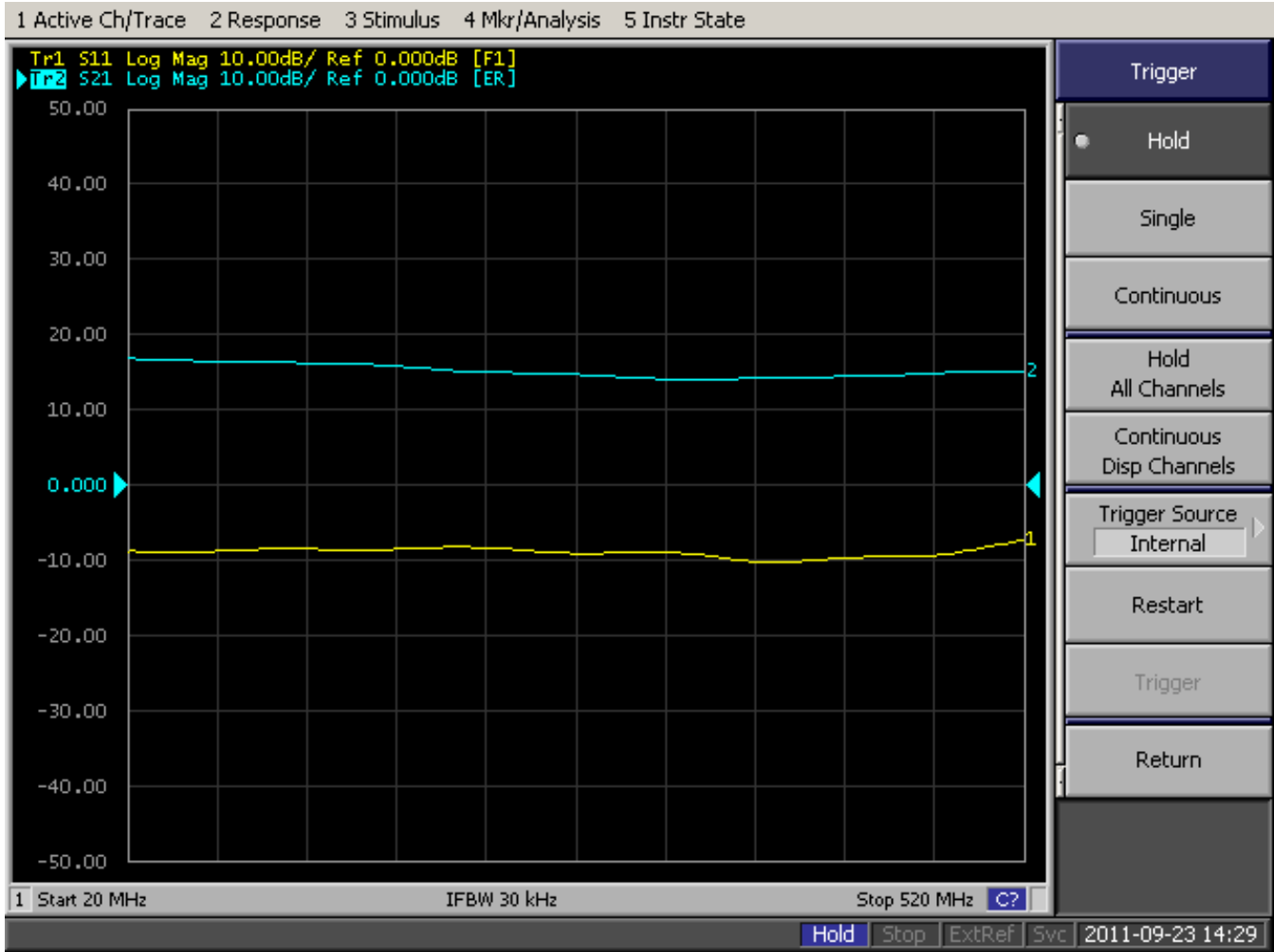


TB220 LK802 Gain/Efficiency vs Frequency: $V_{ds}=24V_{dc}$, $I_{dq}=600mA$

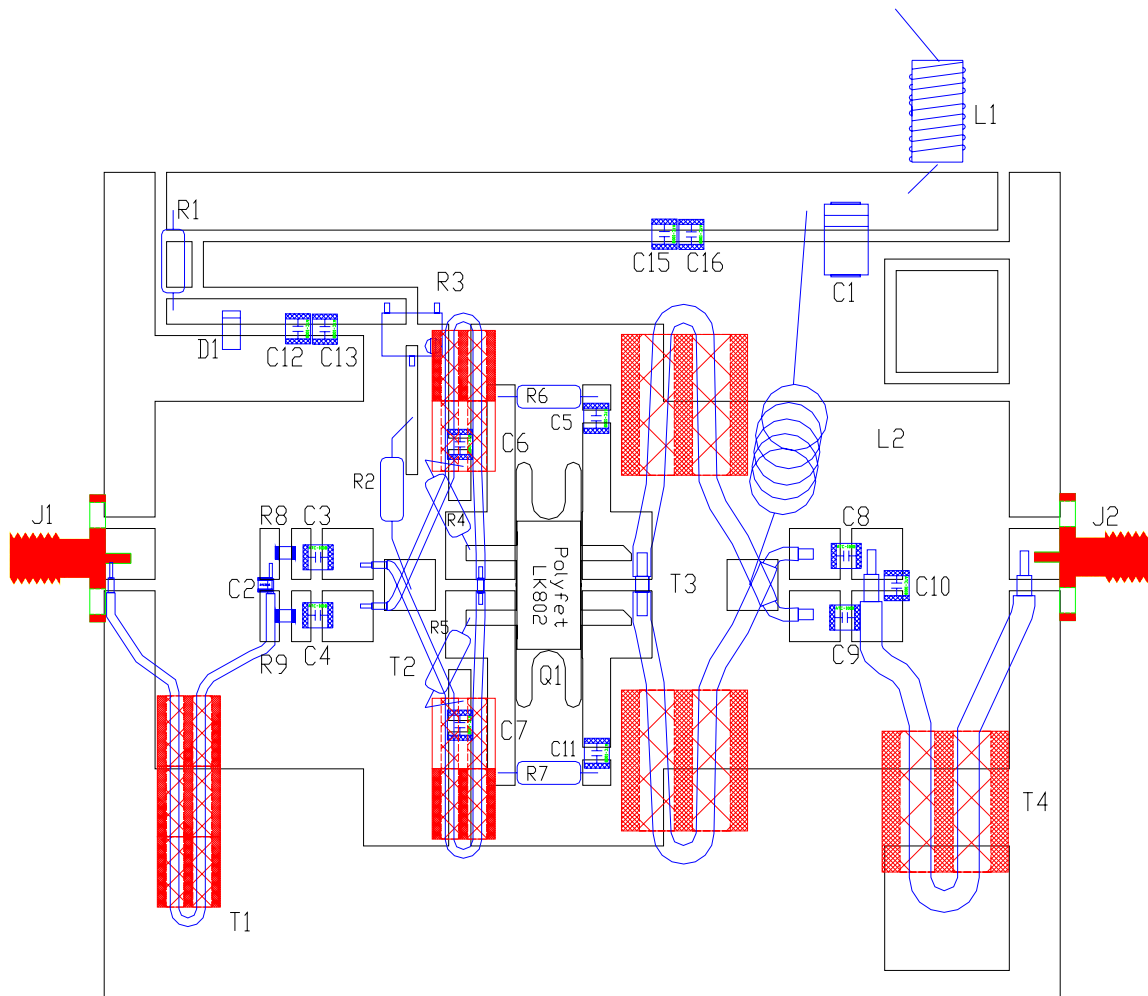


TB220 LK802 IM3 vs Frequency: $V_{ds}=24V_{dc}$, $I_{dq}=1.4A$, 8W PEP





24V, 1.4A



PCB Material : Double-side FR4, H=0.064in, 2oz

SYMBOL	VALUE	DESCRIPTION
C1	10uF	Vishay/Sprague Tantalum
C2	5.6pF	ATC-100B Chip Cap
C5,C11,C12,C15	1nF	ATC-700B Chip Cap
C6, C7, C13, C16	10nF	ATC-200B Chip Cap
C10	3.3pF	ATC-100B Chip Cap
C3,C4,C8,C9	470pF	ATC-700B Chip Cap
D1	5.6V	Axial Zener Diode
J1, J2	---	SMA Female
L1	18AWG	9-turn, 850mu
L2	16AWG	5-turn, ID: 0.2"
R1	2.2k OHM	1/4W Axial Resistor
R2	10K OHM	Axial Resistor
R3	10K OHM	6mm, multi-turn POT
R4, R5	20 OHM	1W Axial Resistor
R6,R7	220 OHM	1W axial Resistor
R8,R9	5.1 OHM	0805 chip Resistor
T1	3"	UT34-50, 3 125mu
T2	3"	UT34-17, 2 125mu
T3	2.55"	UT70-10, 1 125mu
T4	3"	UT85-50, 1 125mu
Q1	LK802	Polyfet Transistor
Vdd	28V	Drain Voltage
Bias	0.6A	Quiescent Drain Current

DRN BY:	Ed Cunningham	09/26/11
CHKD :		
ELECT :	Ed Cunningham	
MECH :	Ed Cunningham	
PRDC :		
QUAL :		
PGMS :		

POLYFET RF DEVICES			
20-512MHz, 20W, 13dB			
SIZE	FSCM NO	TB220 layout	REV 0
SCALE :	1 : 1	SHEET 1	OF 1