

TB234

Frequency = 500-1000MHz

Pout = 100W

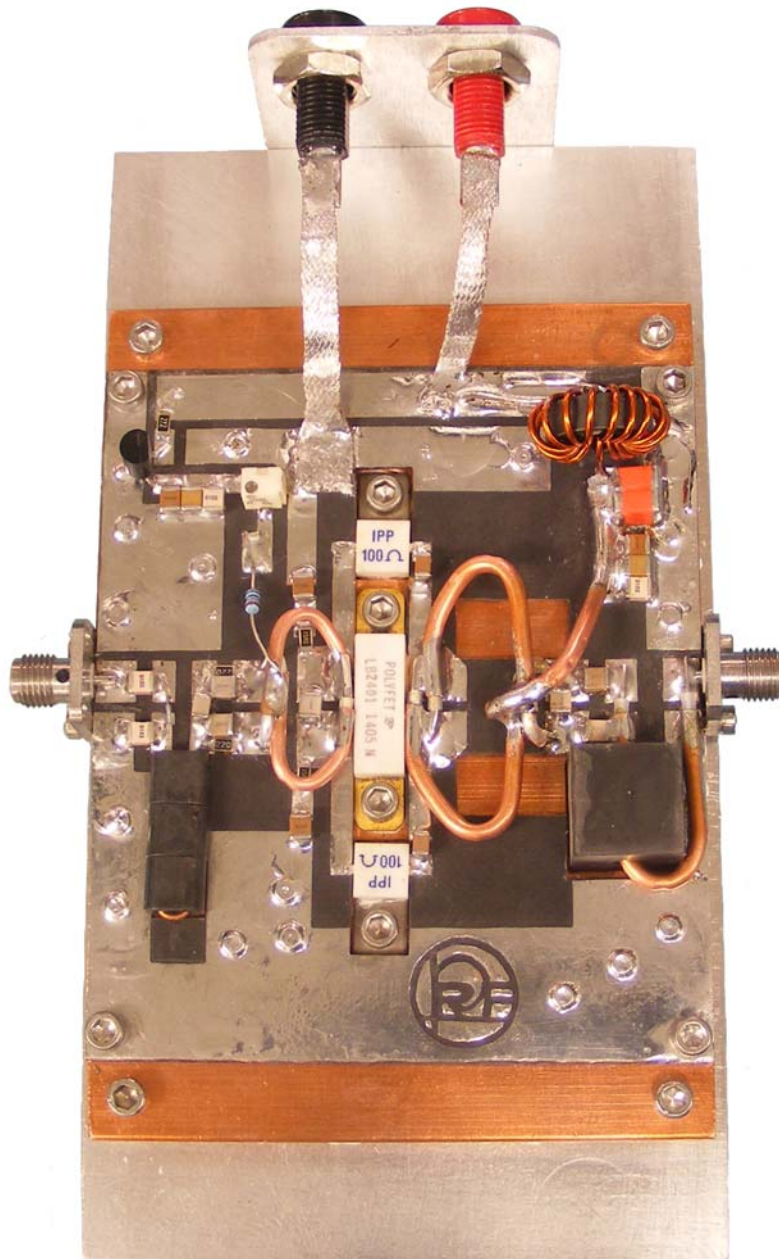
Gain = 16dB

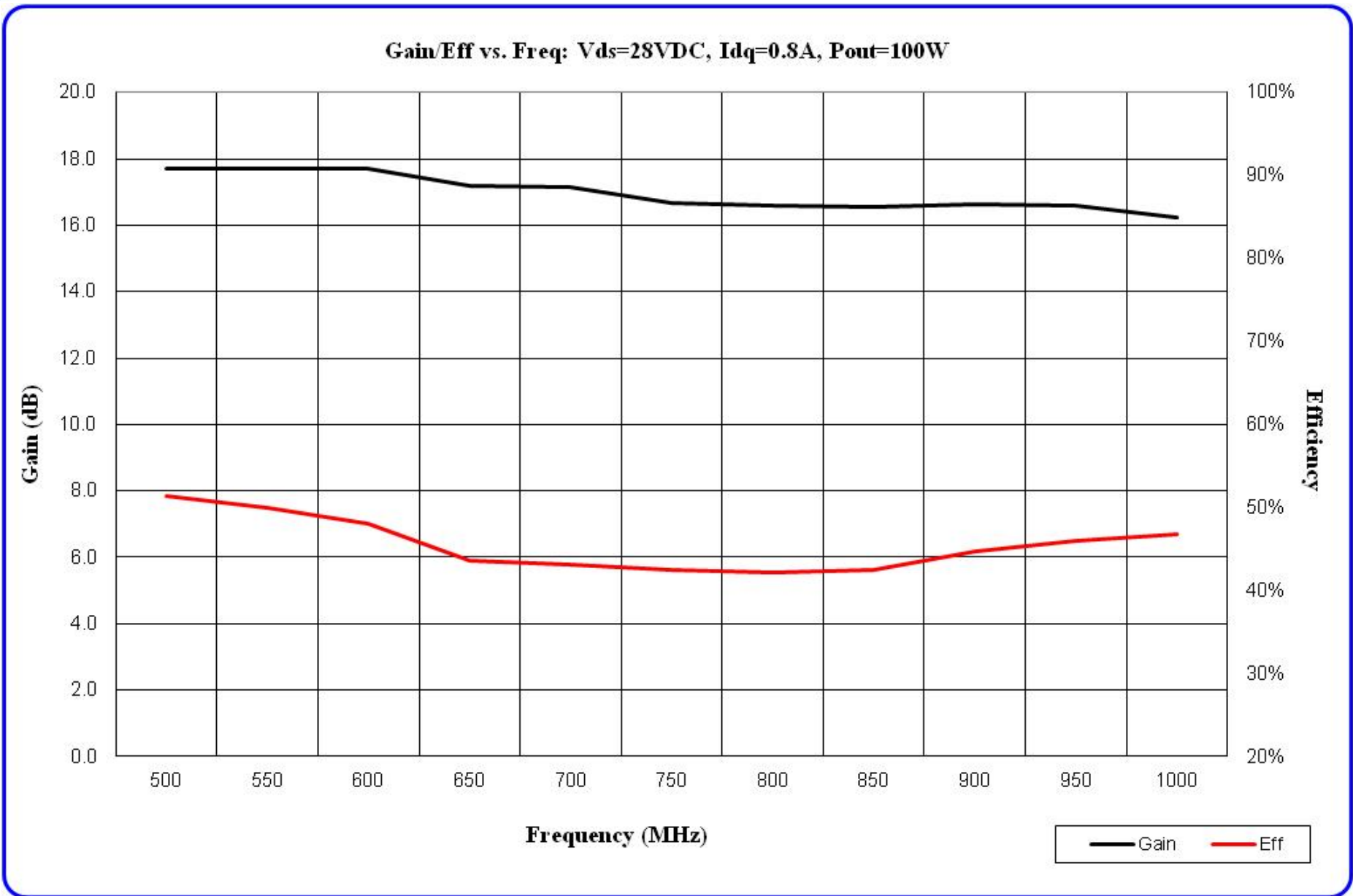
Vds = 28Vdc

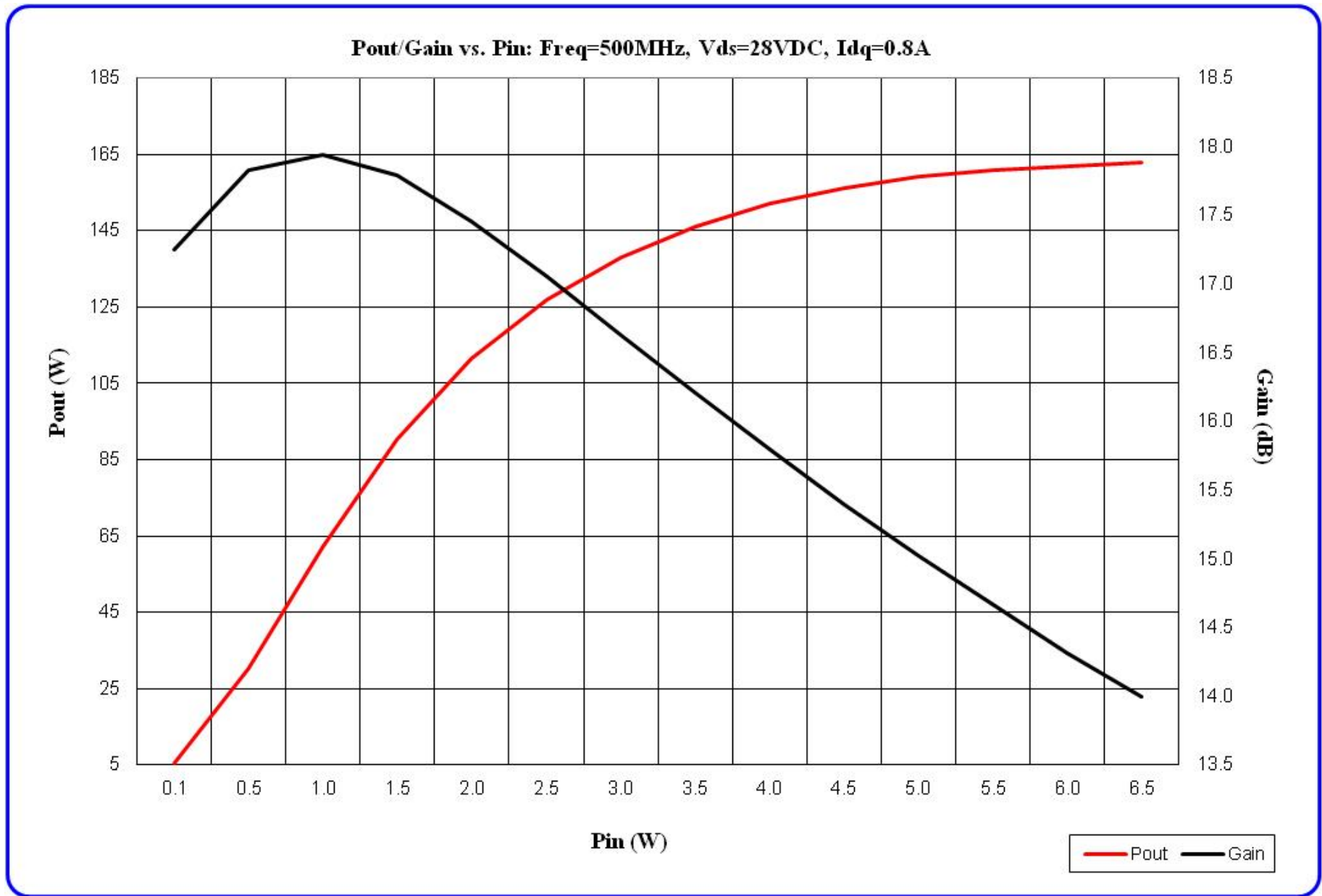
Idq = 0.8A

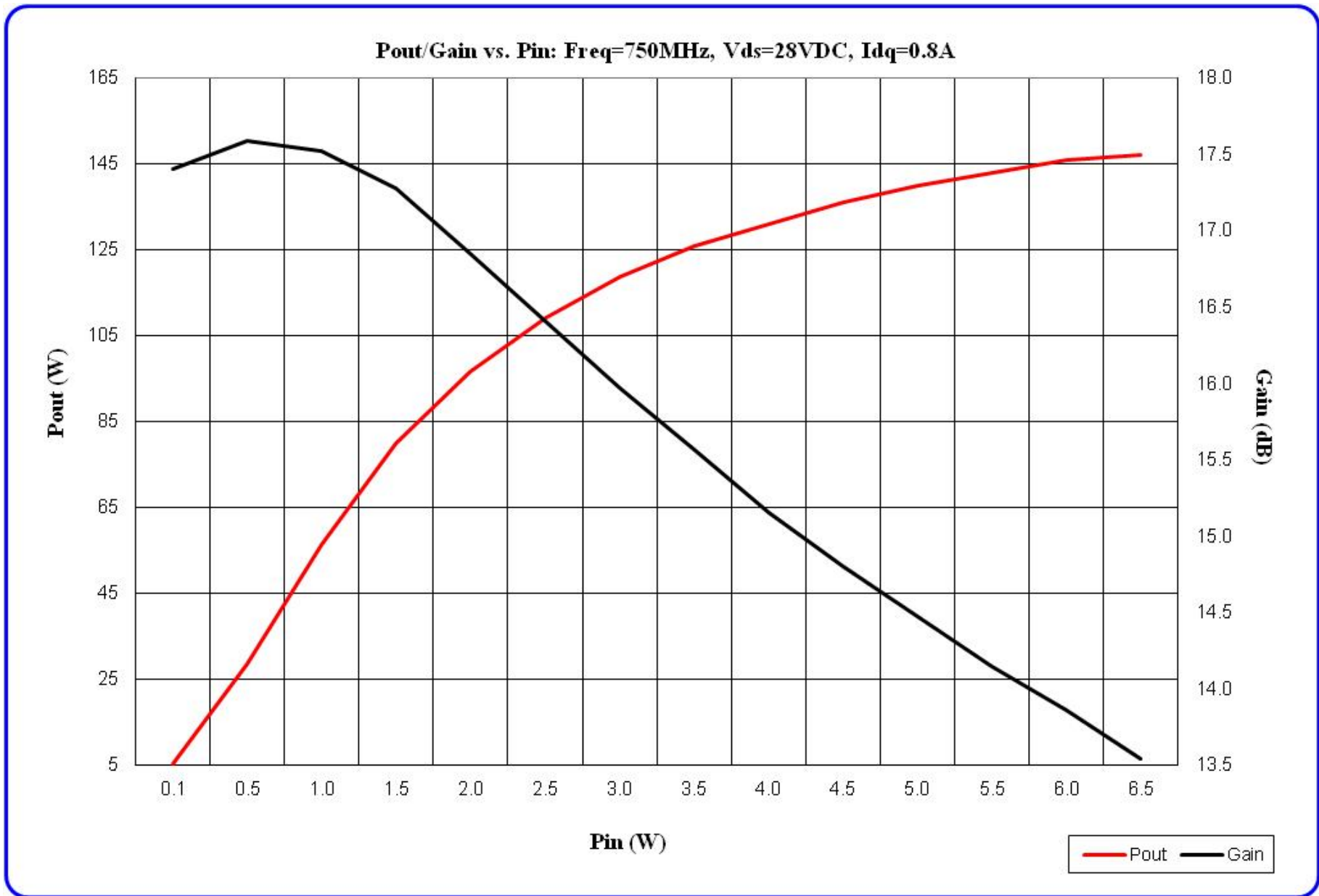
Efficiency = 40%

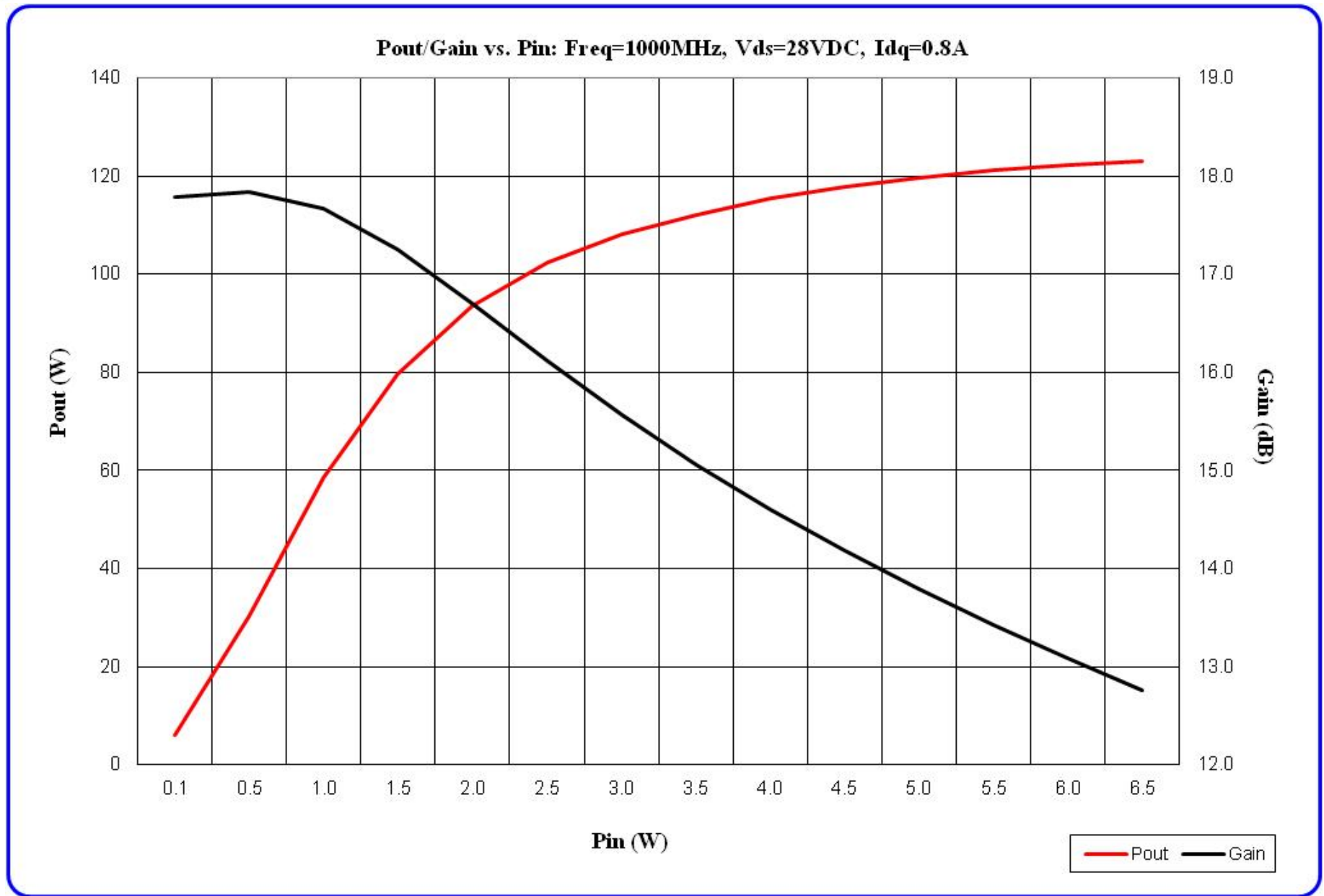
LB2401

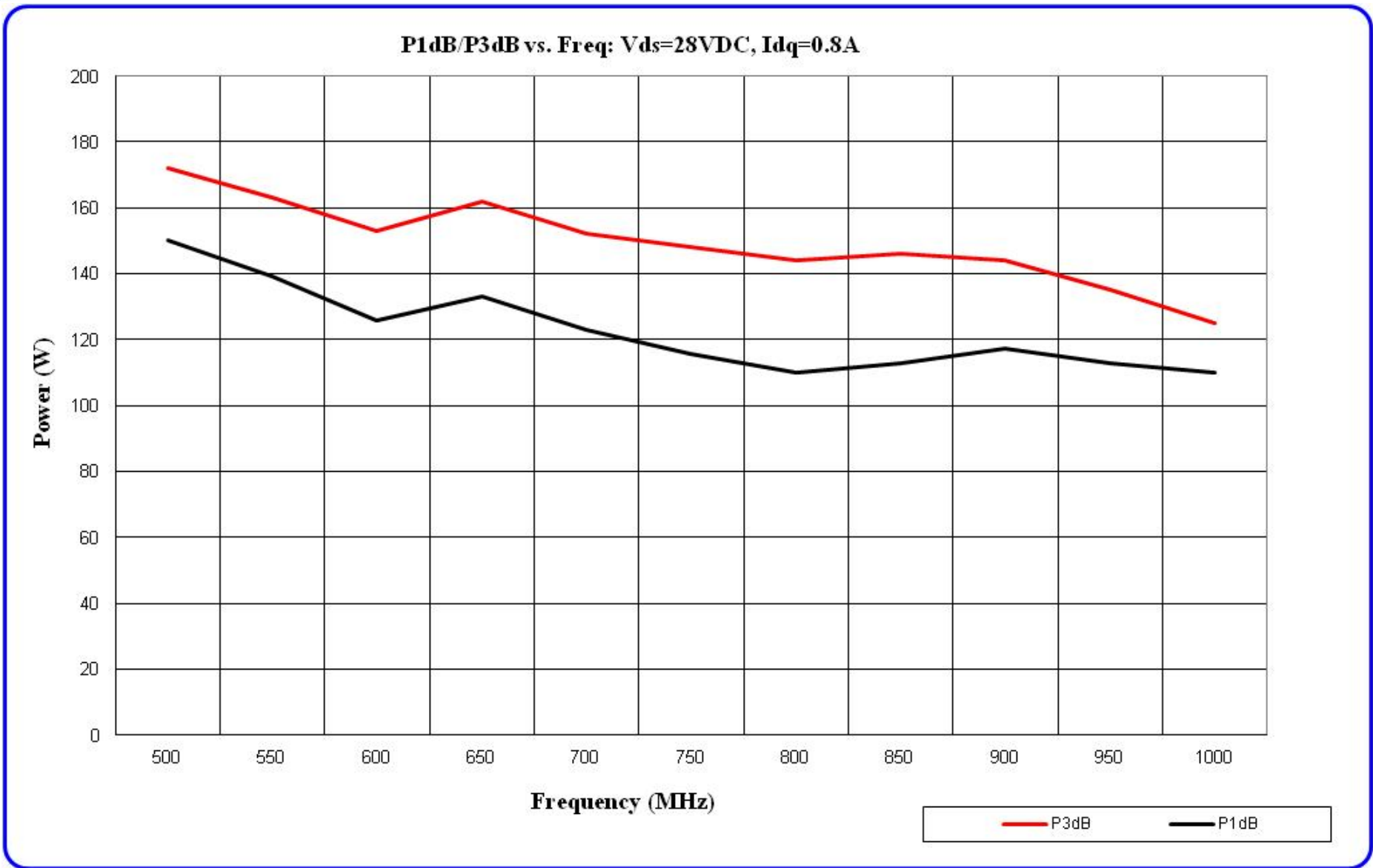


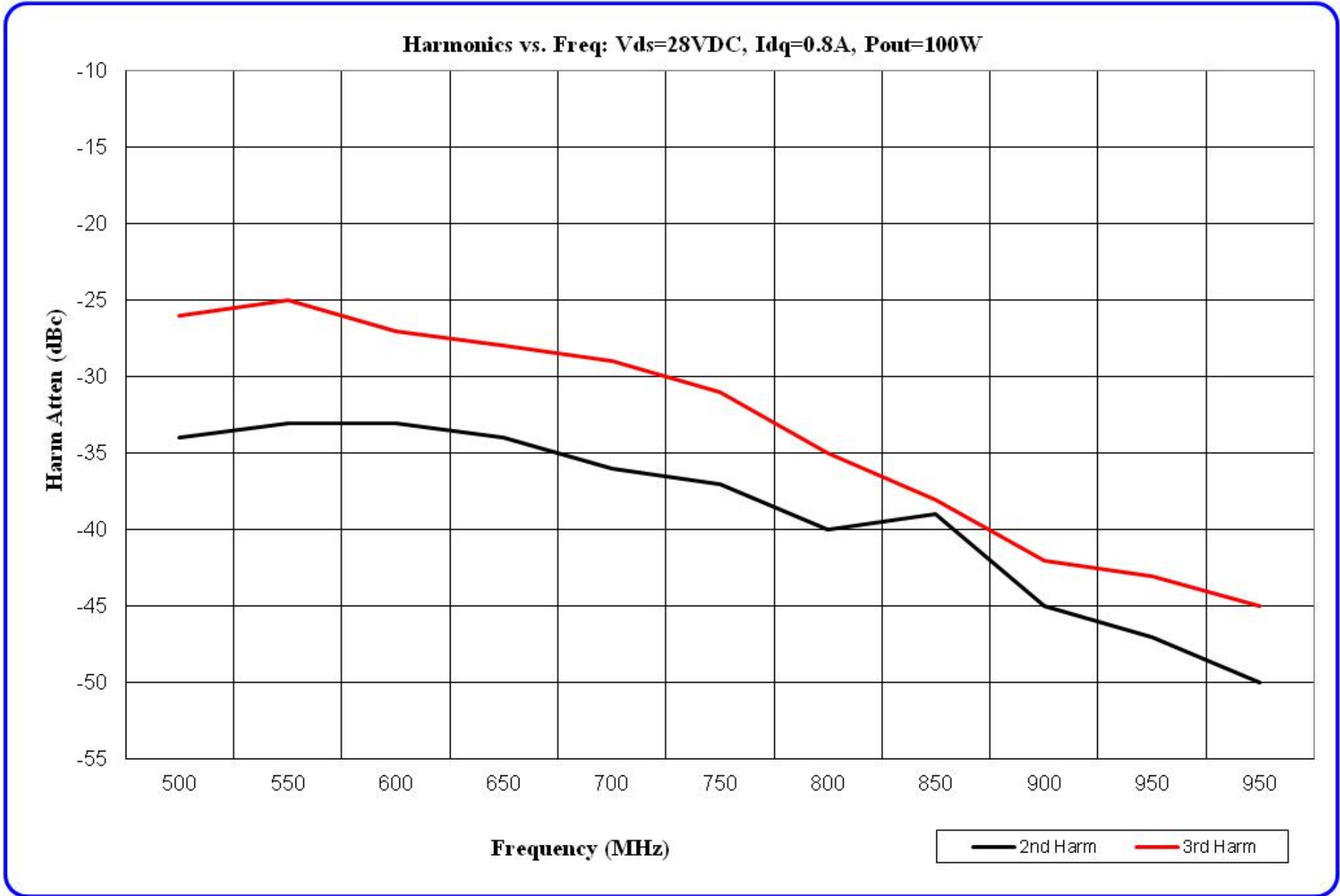


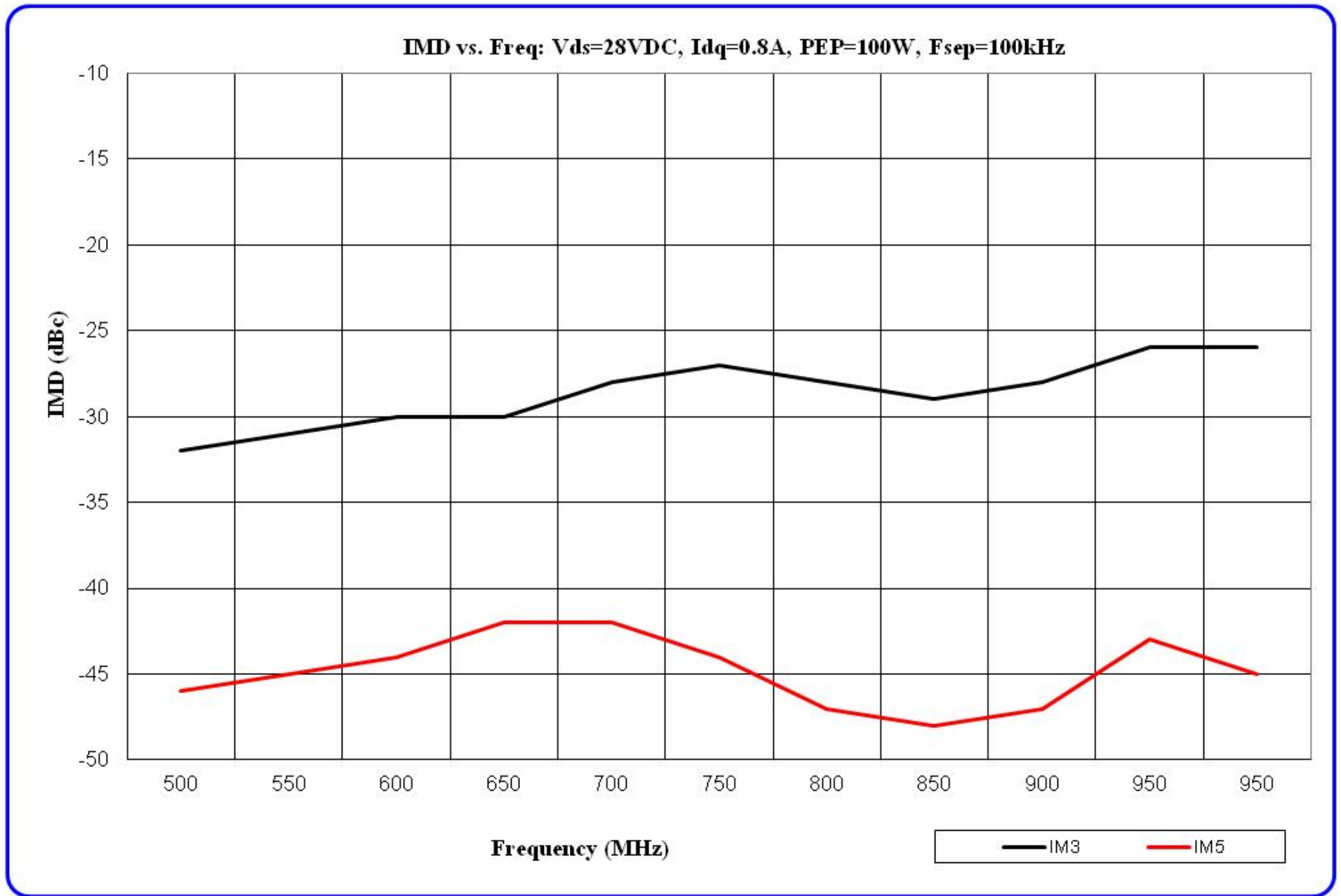


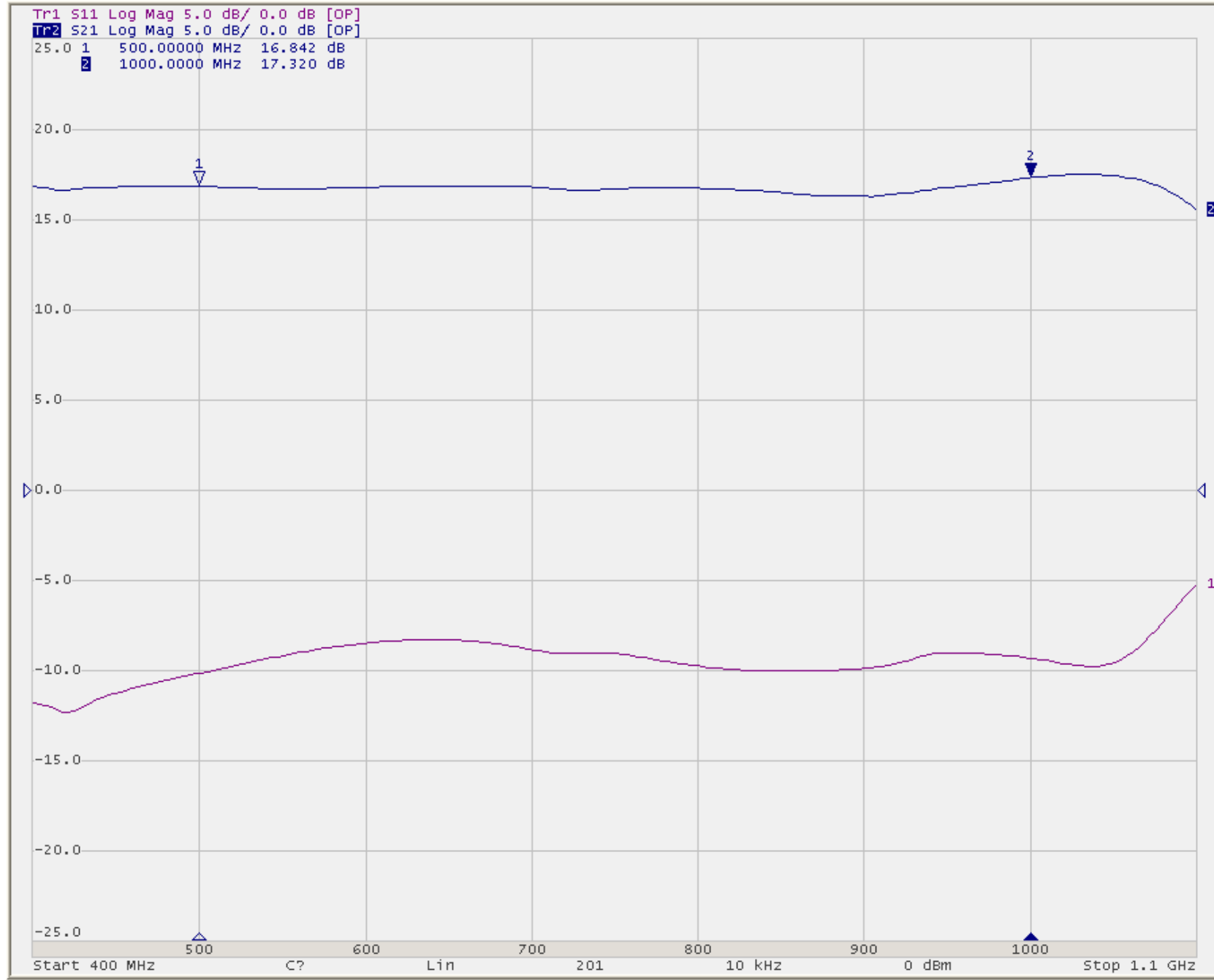




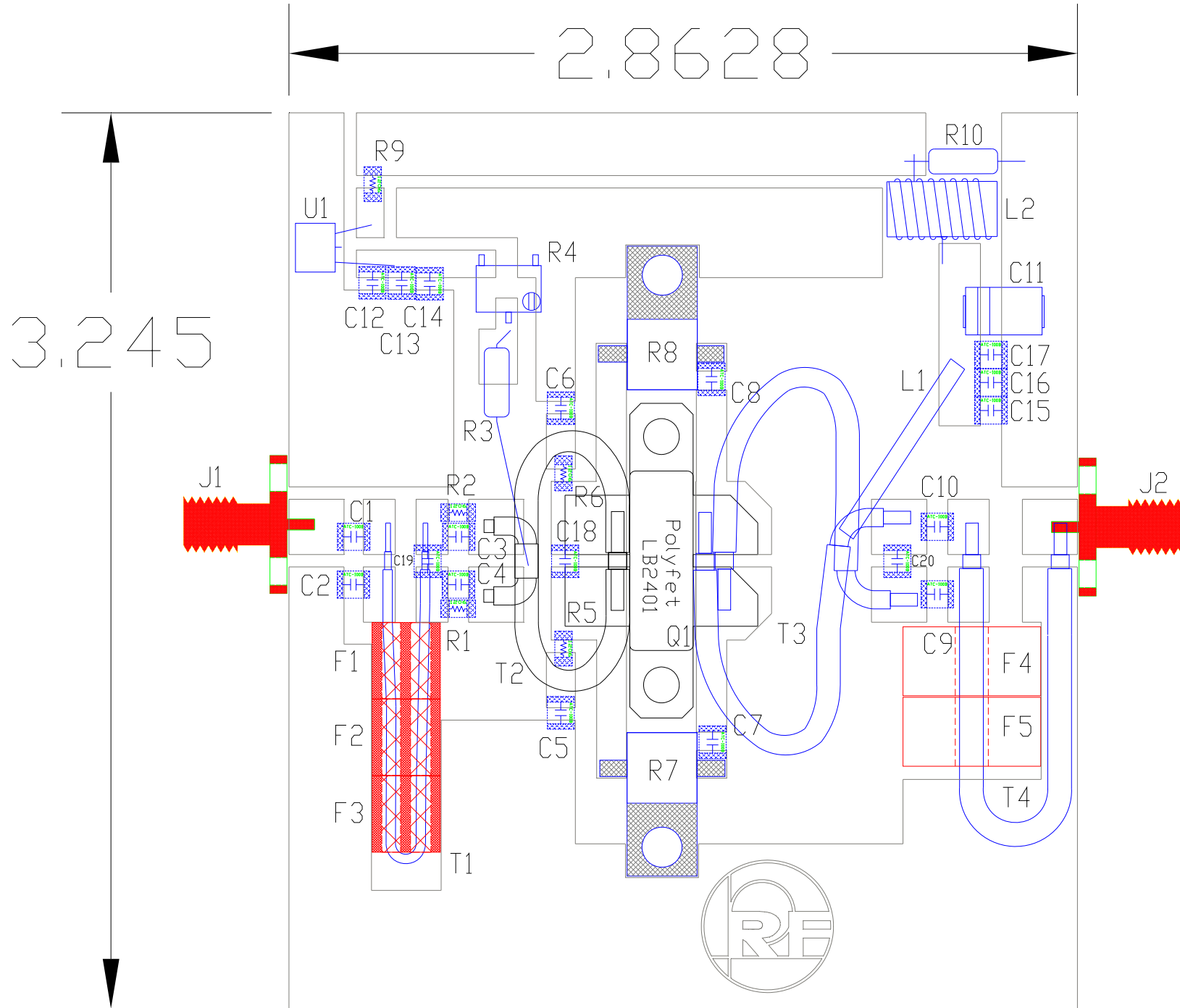






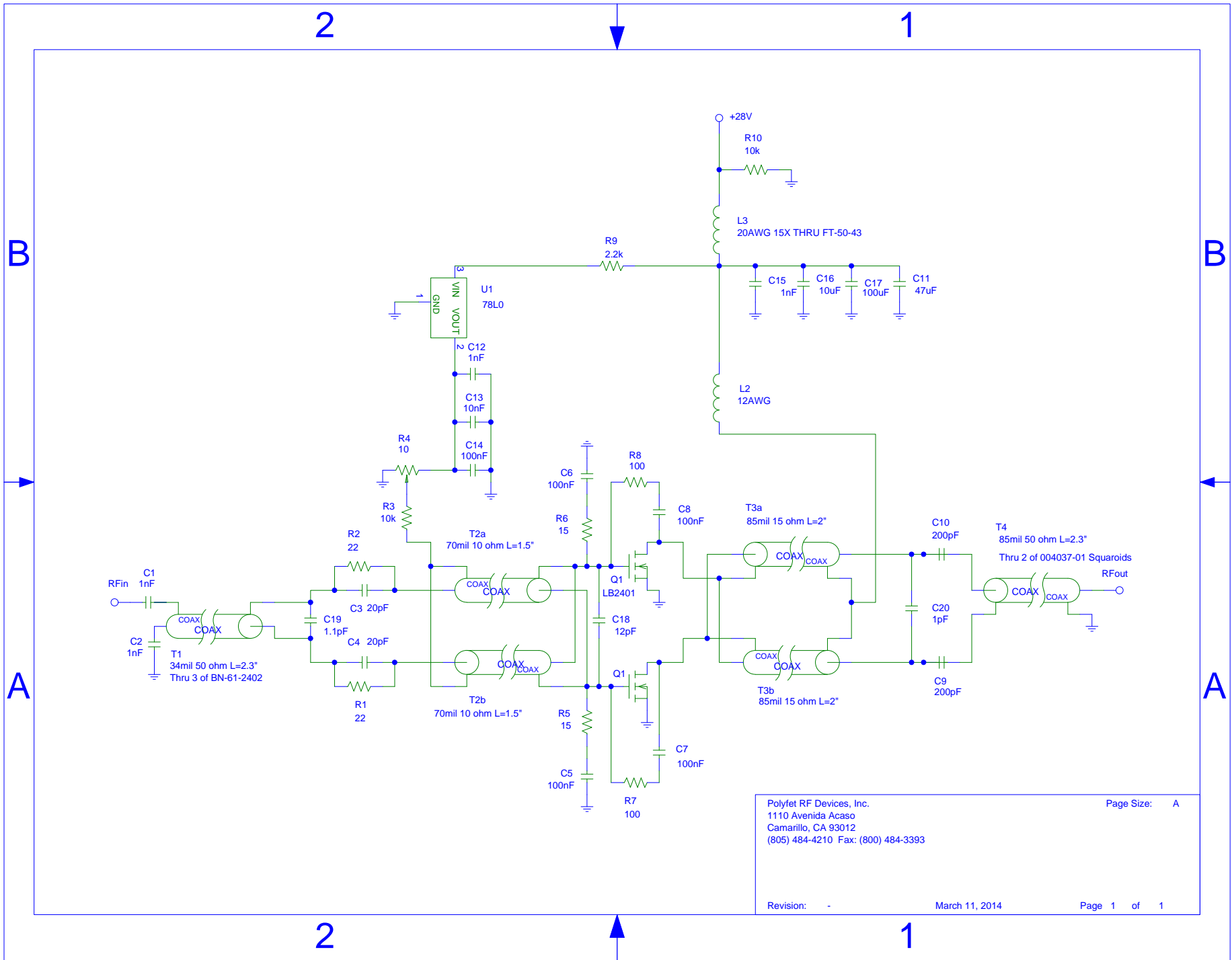


TB234 28V 0.8A 0dBm



Polyfet TB229

NOMENCLATURE	DESCRIPTION	VENDER	PART #
C1,C2,C14,C15	1nF 0.11"X0.11" CAPACITOR	PASSIVE PLUS	1111N102KW501X
C3,C4	20pF 0.11"X0.11" CAPACITOR	PASSIVE PLUS	1111N200GW501X
C5,C6,C7,C8,C12,C17	100nF 0.11"X0.11" CAPACITOR	PASSIVE PLUS	1111X104KW500
C9,C10	200pF 0.11"X0.11" CAPACITOR	PASSIVE PLUS	1111N200GW501X
C11	47uF 50V VISHAY TANTALUM CAPACITOR	MOUSER	71-597D476X0050Z2T
C13,C16	10nF 0.11"X0.11" CAPACITOR	PASSIVE PLUS	1111X103KW500
C18	12pF 0.11"X0.11" CAPACITOR	PASSIVE PLUS	1111N120GW501X
C19	1.1pF 0.11"X0.11" CAPACITOR	PASSIVE PLUS	1111N1R1GW501X
C20	1.0pF 0.11"X0.11" CAPACITOR	PASSIVE PLUS	1111N1R0GW501X
F1,F2,F3	125u BINOCULAR FERRITE	AMIDON	BN-61-2402
F4,F5	100u "SQUAREOID" FERRITE	CERAMIC MAGNETICS	004037-01
F7	850u 0.5" TORROID FERRITE	AMIDON	FT-50-43
L1	12AWG wire connection	-	-
L2	20AWG 15X THRU "F7"	-	-
R1,R2	22 OHM 1206 SMD RESISTOR	PANASONIC Electronic Components	ERJ-8GEYJ220V
R3,R10	10k OHM 1/4W RESISTOR	PANASONIC Electronic Components	ERD-S2TJ103V
R4	10k OHM 5MM POTENTIOMETER	MURATA ELECTRONICS	PVG5A103C03R00
R5,R6	15 OHM 1206 SMD RESISTOR	VISHAY DALE	CRCW120615R0FKEAHP
R7,R8	100 OHM FLANGE MOUNT RESISTOR	INNOVATIVE POWER PRODUCTS	IPP-RB203-100
R9	2.2k OHM 1206 SMD RESISTOR	PANASONIC Electronic Components	ERJ-8GEYJ222V
T1	34mils 50ohm coax, L=2.3"	AMAWAVE	UT-034
T2	70mils 10ohm coax, L=1.5"	AMAWAVE	UT-070C-10
T3	85mils 15ohm coax, L=2"	AMAWAVE	UT-085C-15
T4	85mils 50ohm coax, L=2.3"	AMAWAVE	UT-085
U1	IC REG LDO 8V 0.1A TO92-3	DIODES, INC	AP78L08VL-A
Q1	LDMOS	POLYFET RF DEVICES, INC.	LB2401
PCB	Dble Side TEFLON Er=2.33 30mil 2oz copper		



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