

# TB225

Frequency=76-90MHz

Pout=20W

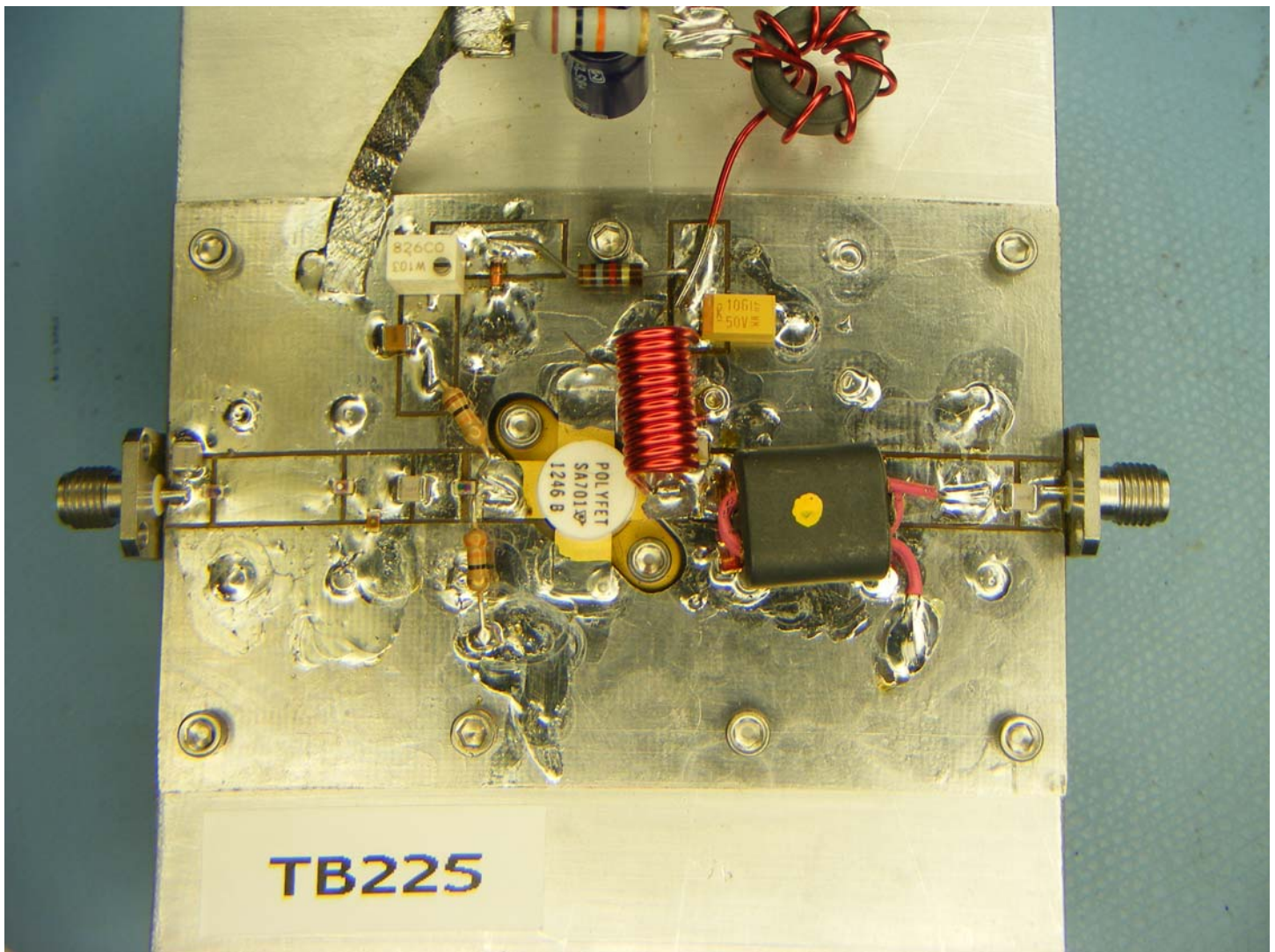
Gain=18dB

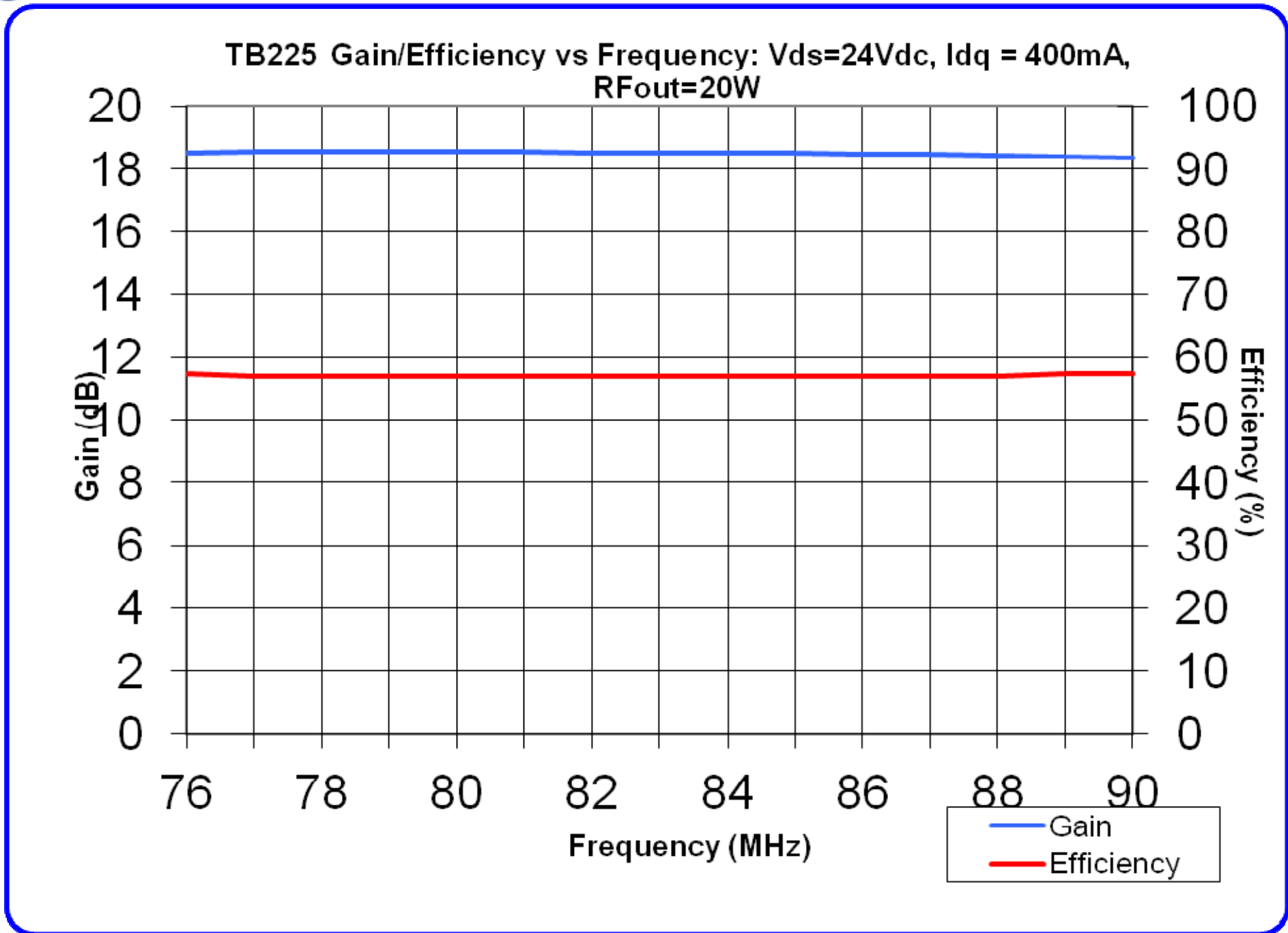
Vds=24Vdc

Idq=400mA

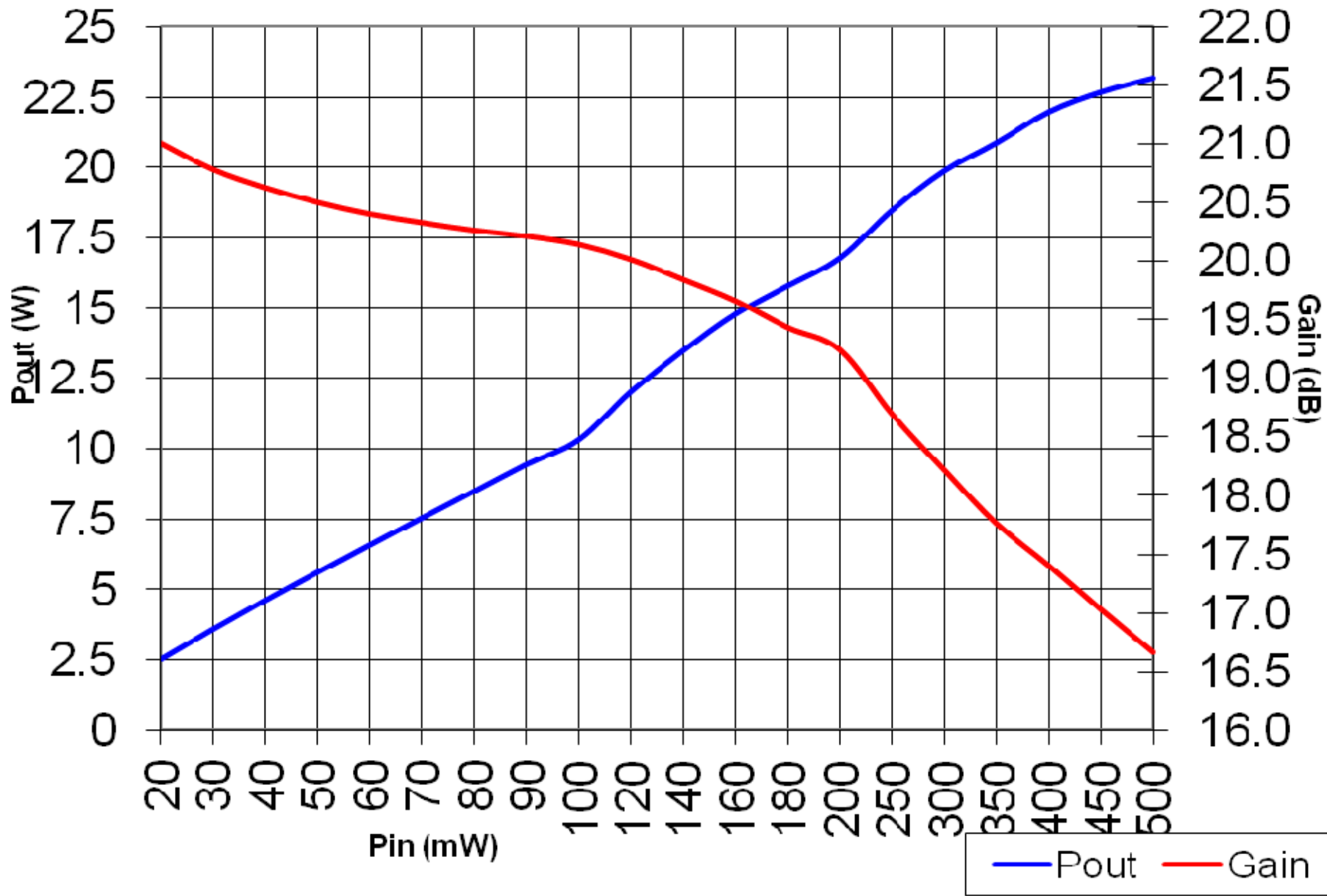
Efficiency=57%

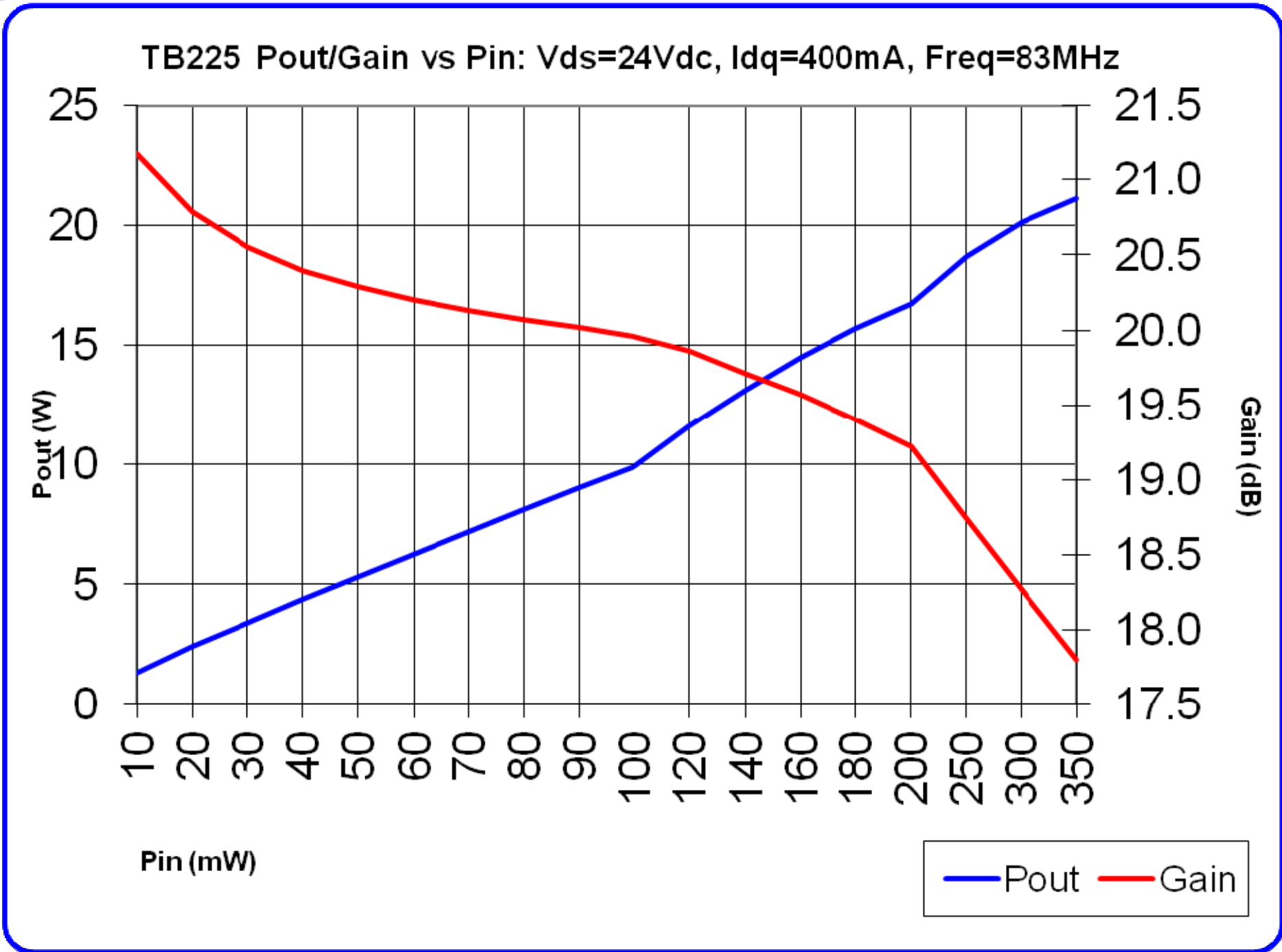
SA701



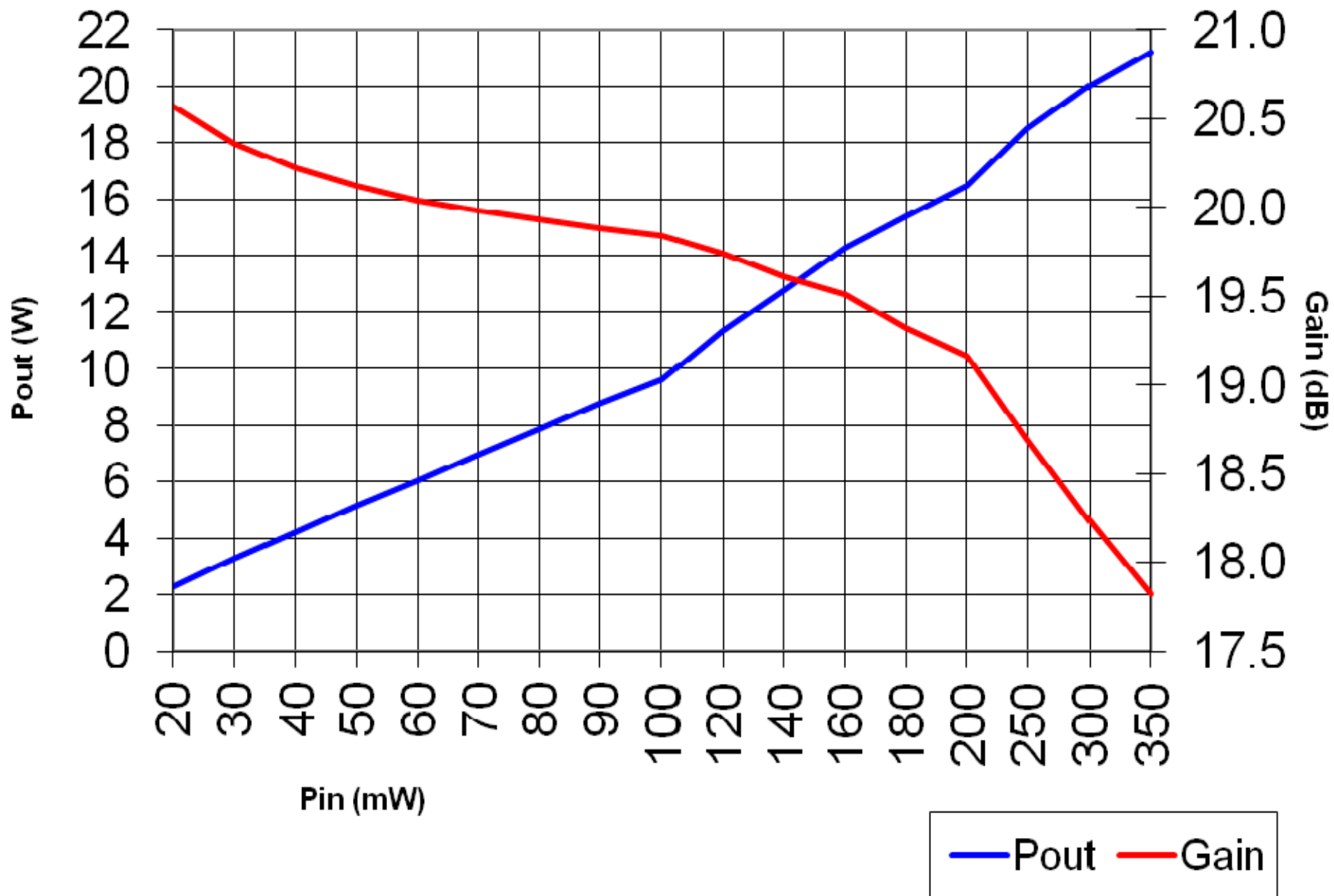


TB225 Pout/Gain vs Pin: Vds=24Vdc, Idq=400mA, Freq=76MHz

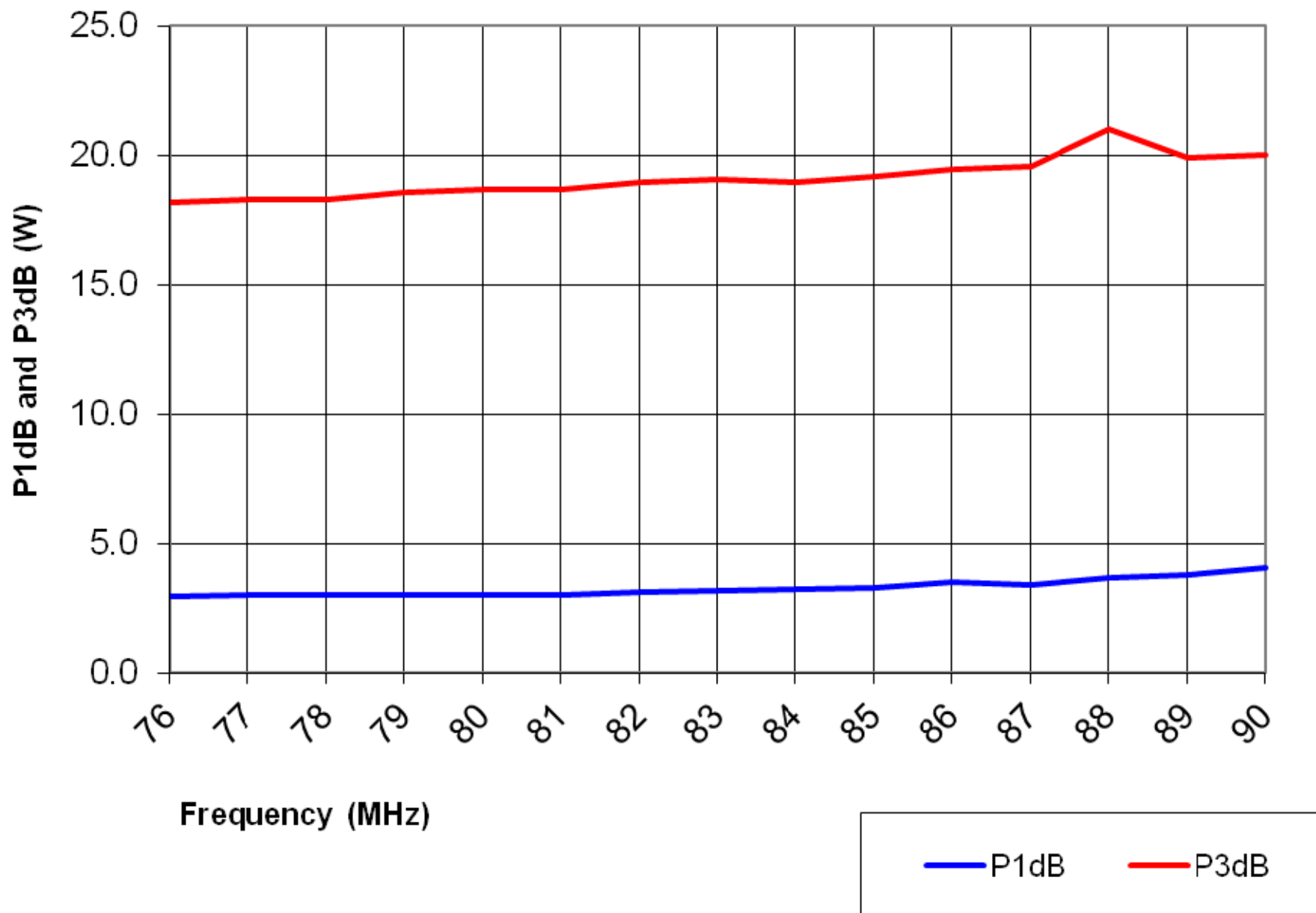




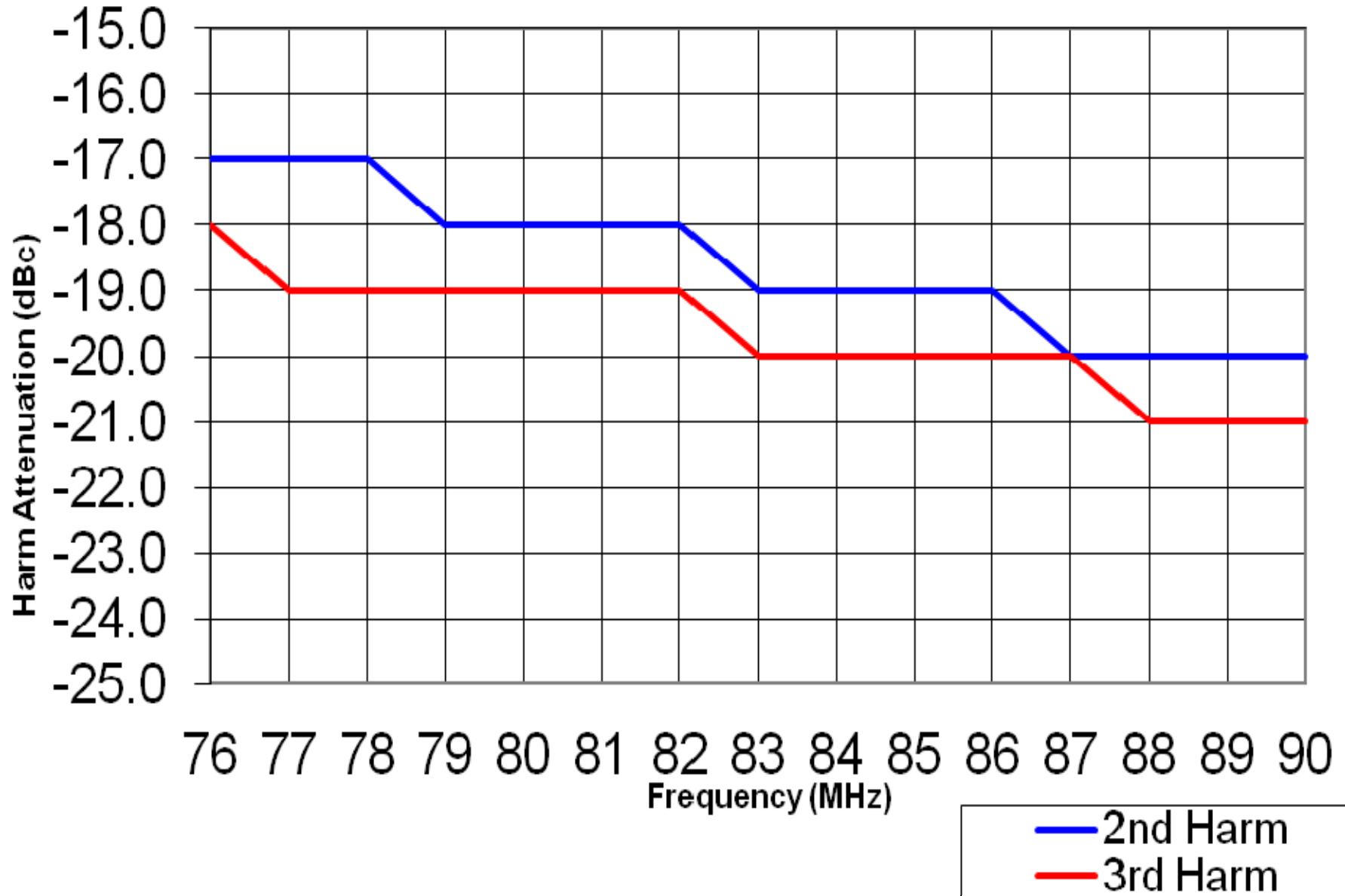
TB225 Pout/Gain vs Pin: Vds=24Vdc, Idq=400mA, Freq=90MHz

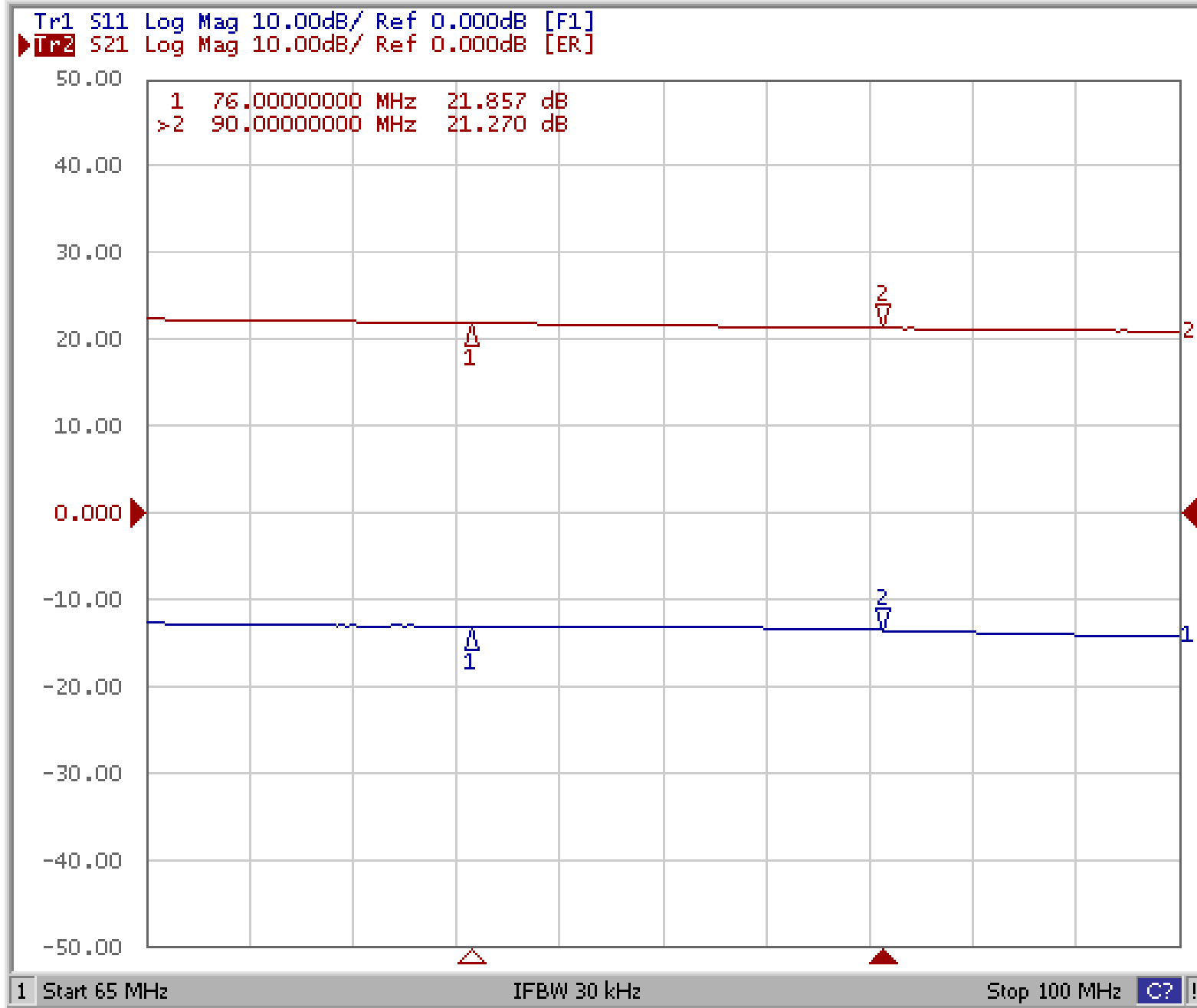


**TB225 P1dB/P3dB vs Frequency: Vds=24Vdc, Idq=400mA**



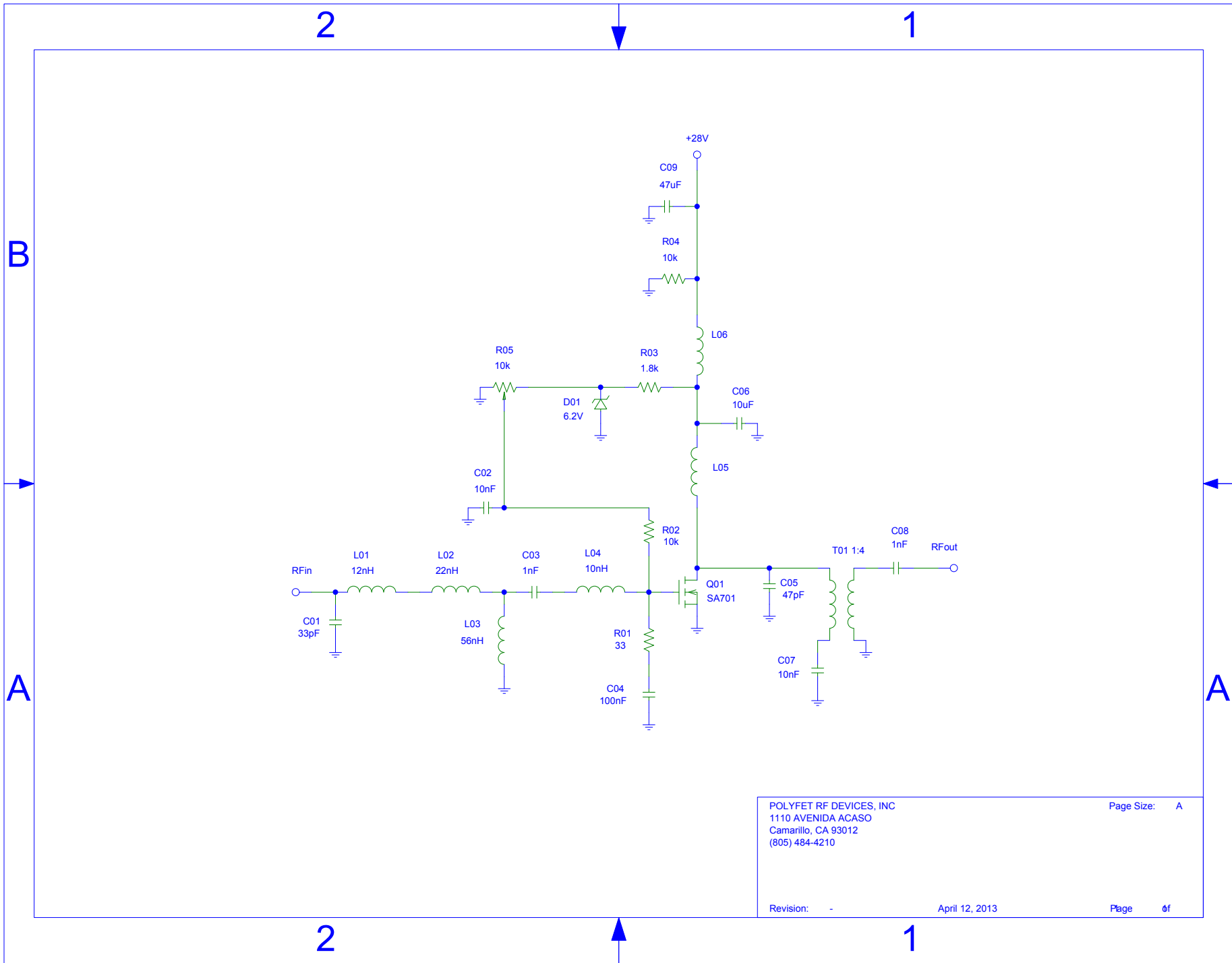
TB225 Harm vs Freq: Vds = 24Vdc, Idq=400.mA, Pout=20W





TB225 Vds=24V Idq=400mA Pin=0dBm





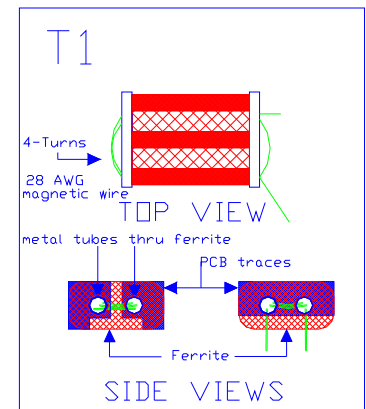
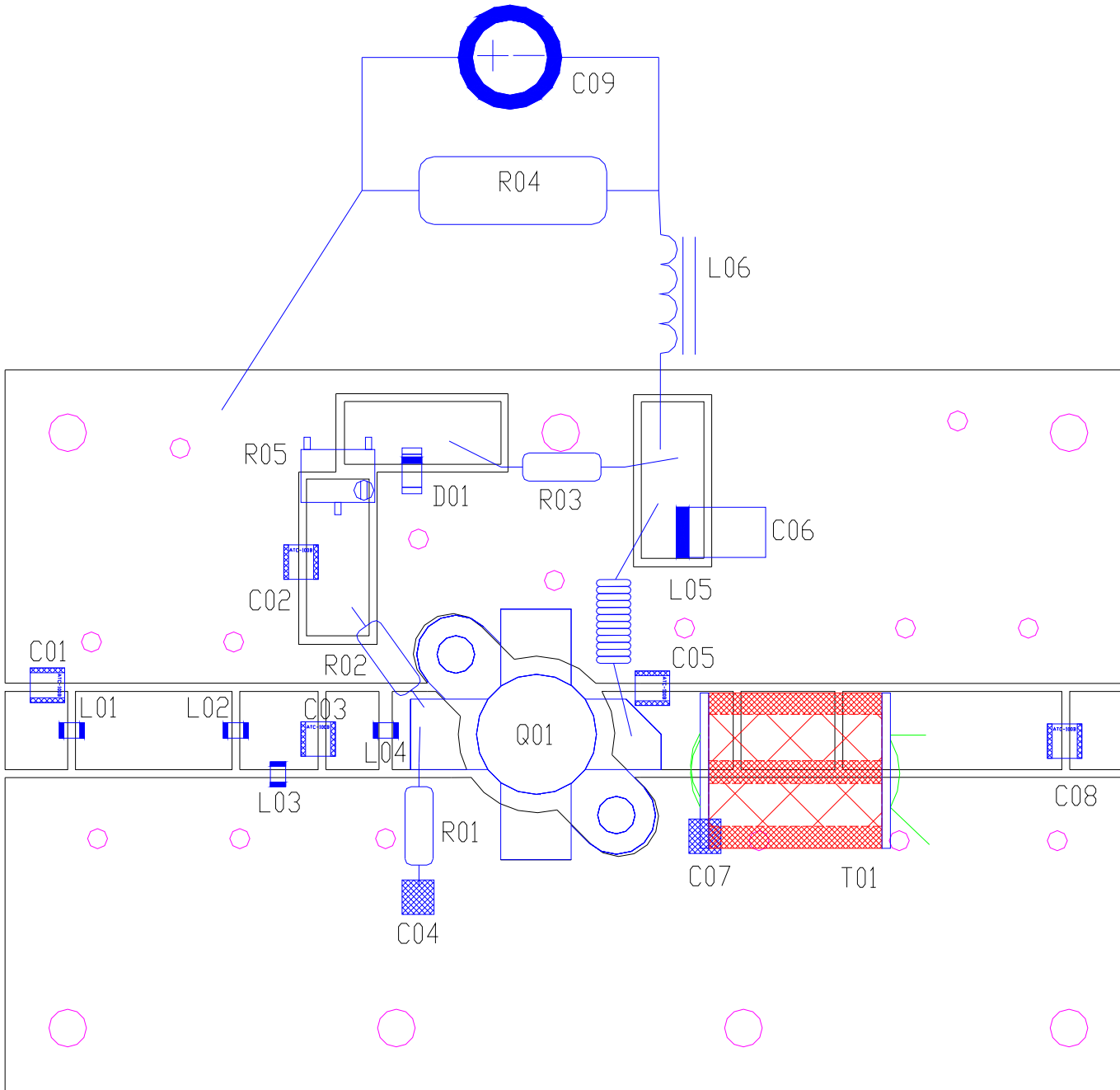
POLYFET RF DEVICES, INC  
 1110 AVENIDA ACASO  
 Camarillo, CA 93012  
 (805) 484-4210

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Revision: -

April 12, 2013

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#	SIZE	VALUE	MANUFACTURER	PART NUMBER
C01	1111	33PF	JOHANSON TECHNOLOGY	102S42E330JV3S
C02	1111	10NF	AMERICAN TECHNICAL CERAMICS	ATC200B103MW50X
C03	1111	1NF	JOHANSON TECHNOLOGY	101S4E102KV3S
C04	1111	100NF	AMERICAN TECHNICAL CERAMICS	ATC200B104MW50X
C05	1111	47PF	JOHANSON TECHNOLOGY	102S42E470JV3S
C06	2917	10UF 50V	AVX CORPORATION	TAJD106K050RNJ
C07	1111	10NF	AMERICAN TECHNICAL CERAMICS	ATC200B103MW50X
C08	1111	1NF	JOHANSON TECHNOLOGY	101S4E102KV3S
C09	RADIAL	47UF 100V	Panasonic Electronic Components	ECA-2AHG470
D01	DO-213AC	6.2V	Diodes, Inc.	ZMM5234B-7
L01	0805	12NH	COILCRAFT	0805HT-12NTJL
L02	0805	22NH	COILCRAFT	0805HT-22NTJL
L03	0805	56NH	COILCRAFT	0805HT-56NTJL
L04	0805	10NH	COILCRAFT	0805HT-10NTJL
L05	-	18AWG	Coiled Wire ID=0.2inches N=12 turns	hand wound
L06	-	20AWG	20AWG through AMIDON FT-50-43 N=9vturns	hand wound
Q01	AA	SA701	POLYFET RF DEVICES	SA701
R01	1/4W	33 OHMS	YAGEO	CFR-25JB52-33R
R02	1/4W	10K OHMS	YAGEO	CFR-25JB52-10K
R03	1/4W	1.8K OHMS	YAGEO	CFR-25JB52-1K8
R04	1W	10K OHMS	YAGEO	RSF100JB73-10K
R05	6MM	10K OHMS	BOURNS	3269W1-103GLF
T01		4:01	4:1 XFER, Amidon BN-61-202. Copper outer conductor is the outer conductor of MICRO-COAX UT-141AA	hand made