

RF Power Amplifiers for Wireless Communications

Second Edition

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Contents

Preface to the Second Edition

xi

CHAPTER 1

Introduction	1
1.1 Introduction	1
1.2 Linear RF Amplifier Theory	2
1.3 Weakly Nonlinear Effects: Power and Volterra Series	5
1.4 Strongly Nonlinear Effects	6
1.5 Nonlinear Device Models for CAD	9
1.6 Conjugate Match	11
1.7 RF Power Device Technology	14
References	15

CHAPTER 2

Linear Power Amplifier Design	17
2.1 Class A Amplifiers and Linear Amplifiers	17
2.2 Gain Match and Power Match	19
2.3 Introduction to Load-Pull Measurements	20
2.4 Loadline Theory	21
2.5 Package Effects and Refinements to Load-Pull Theory	27
2.6 Drawing the Load-Pull Contours on CAD Programs	31
2.7 Class A Design Example	31
2.8 Conclusions	36
References	37

CHAPTER 3

Conventional High Efficiency Amplifier Modes	39
3.1 Introduction	39
3.2 Reduced Conduction Angle—Waveform Analysis	40
3.3 Output Termination	43
3.4 Reduced Conduction Angle Mode Analysis—FET Model	47
Case 1: Class A	48
Case 2: Class AB	49
Case 3: Class B	51
Case 4: Class C	53
3.5 Reduced Conduction Angle Mode Analysis—BJT Model	55
3.6 Effect of I-V "Knee"	59
3.7 Input Drive Requirements	61

3.8	Conclusions	65
	References	65
CHAPTER 4		
	Class AB PAs at GHz Frequencies	67
4.1	Introduction	67
4.2	Class AB Using a Capacitive Harmonic Termination—The Class J PA	68
	4.2.1 Theory	68
	4.2.2 Practicalities	73
4.3	Nonlinear Device Characteristics	77
4.4	Nonlinear Capacitance Effects in RF Power Devices	81
	4.4.1 Introduction	81
	4.4.2 Nonlinear Capacitors—Characterization and Analysis	81
	4.4.3 Input Varactor Effects on Class AB PAs	84
4.5	Conclusions	89
	References	89
CHAPTER 5		
	Practical Design of Linear RF Power Amplifiers	91
5.1	Low-Pass Matching Networks	92
5.2	Transmission Line Matching	100
5.3	Shorting the Harmonics	102
5.4	A Generic MESFET	105
5.5	A 2W Class B Design for 850 MHz	107
5.6	The Pi Section Power Matching Network	112
5.7	Pi Section Analysis for PA Design	115
5.8	Class J Design Example	122
5.9	HBT Design Example	124
5.10	Conclusions	129
	References	131
CHAPTER 6		
	Overdriven PAs and the Class F Mode	133
6.1	Introduction	133
6.2	Overdriven Class A Amplifier	134
6.3	Overdriven Class AB Amplifier	139
6.4	Class F: Introduction and Theory	143
6.5	Class F in Practice	149
6.6	The Clipping Model for the Class F Mode—Class FD	155
6.7	PA_Waves	163
6.8	Class F Simulations	164
6.9	Conclusions	171
	References	172
CHAPTER 7		
	Switching Mode Amplifiers for RF Applications	173
7.1	Introduction	173

7.2	A Simple Switching Amplifier	174
7.3	A Tuned Switching Amplifier	178
7.4	The Class D Switching Amplifier	180
7.4	Class E—Introduction	182
7.5	Class E—Simplified Analysis	183
7.6	Class E—Design Example	192
7.7	Conclusions	198
	References	199

CHAPTER 8

	Switching PA Modes at GHz Frequencies	201
8.1	Introduction	201
8.2	Ignoring the Obvious: Breaking the 100% Barrier	202
8.3	Waveform Engineering	205
8.4	PA_Waves	216
8.5	Implementation and Simulation	225
8.6	Conclusions	227
	References	229

CHAPTER 9

	Nonlinear Effects in RF Power Amplifiers	231
9.1	Introduction	231
9.2	Two-Carrier Power Series Analysis	233
9.3	Two-Carrier Envelope Analysis	240
9.4	Envelope Analysis with Variable PAR	246
9.5	AM to PM Effects	250
9.6	PA Memory Effects	256
9.7	Digital Modulation Systems	261
	9.7.1 Introduction to Digital Modulation	261
	9.7.2 QPSK Modulation Systems	262
	9.7.3 CDMA and WCDMA	268
	9.7.4 OFDM Modulation, 802.11/16 Standards	275
9.8	30 Watt LDMOS Test Amplifier Measurements	278
9.9	Conclusions	282
	References	283

CHAPTER 10

	Efficiency Enhancement Techniques	285
	Introduction	285
10.1	Efficiency Enhancement	286
10.2	The Doherty Amplifier	290
10.3	Realization of the Doherty Amplifier	298
10.4	Outphasing Techniques	303
10.5	Envelope Elimination and Restoration (EER)	309
10.6	Envelope Tracking	311
10.7	Power Converters for EER and ET	314
10.8	Pulse Width Modulation (PWM)	318

10.9	Other Efficiency Enhancement Techniques	323
10.9.1	The Sequential Power Amplifier	323
10.9.2	Pulse Position Modulation	325
10.9.3	RF to DC Conversion	326
10.9.4	RF Switching Techniques	328
10.9.5	Smart Antennas	329
10.10	Case Studies in Efficiency Enhancement	330
10.11	Conclusions	333
	References	334

CHAPTER 11

	Power Amplifier Bias Circuit Design	337
11.1	Introduction	337
11.2	Stability of RF Power Transistors	338
11.3	Bias Supply Modulation Effects	343
11.4	Bias Network Design	350
11.5	Bias Insertion Networks	353
11.6	Prime Power Supply Issues	354
11.7	Bias Control Circuits	355
11.8	Conclusions	356
	References	357

CHAPTER 12

	Load-Pull Techniques	359
12.1	Tuner Design for Fundamental Load-Pull	359
12.2	Harmonic Load-Pull	362
12.3	Active Harmonic Load-Pull	365
12.4	Variations, Results, Conclusions	367
	References	369

CHAPTER 13

	Power Amplifier Architecture	371
	Introduction	371
13.1	Push-Pull Amplifiers	372
13.2	Balanced Amplifiers	380
13.3	Power Combining	387
13.4	Multistage PA Design	391
13.5	Conclusions	394
	References	395

CHAPTER 14

	Power Amplifier Linearization Techniques	397
	Introduction	397
14.1	Introduction to PA Linearization	399
14.2	Predistortion	401
14.2.1	Introduction to Predistortion Theory	401
14.2.2	Digital Predistortion (DPD)	404

14.2.3	Analog Predistortion	407
14.2.4	Predistortion—Conclusions	410
14.3	Feedforward Techniques	410
14.3.1	Feedforward, Introduction	410
14.3.2	Feedforward—Gain Compression	411
14.3.3	Feedforward—Effect of the Output Coupler	414
14.3.4	Feedforward—Adaptive Controls	417
14.3.5	Feedforward—Practical Issues, Conclusions	418
14.4	Feedback Techniques	419
14.4.1	Introduction, Direct Feedback Techniques	419
14.4.2	Indirect Feedback Techniques—Introduction	420
14.4.3	The Cartesian Loop	421
14.4.4	The Polar Loop	423
14.5	Other Linearization Methods	424
14.6	Conclusions	425
	References	426

APPENDIX A

PA_Waves	429
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APPENDIX B

Spectral Analysis Using Excel IQ Spreadsheets	433
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Bibliography	435
--------------	-----

Introductory Texts on RF and Microwave Techniques	435
---	-----

Wireless Communications	435
-------------------------	-----

Digital Modulation	435
--------------------	-----

Nonlinear Techniques and Modeling	435
-----------------------------------	-----

Power Amplifier Techniques	435
----------------------------	-----

Recommended Reading	436
---------------------	-----

Glossary	437
----------	-----

About the Author	441
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Index	443
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RF Power Amplifiers are used in a wide variety of applications including Wireless Communication, TV transmissions, Radar, and RF heating. The basic techniques for RF power amplification can use classes as A, B, C, D, E, and F, for frequencies ranging from VLF (Very Low Frequency) through Microwave Frequencies. RF Output Power can range from a few mW to MW, depend by application. The introduction of solid-state RF power devices brought the use of lower voltages, higher currents, and relatively low load resistances. Â· Most important parameters that defines an RF Power Amplifier are: 1. Output Po...