Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Definitions:

Input Return Loss = S11 (dB)
Gain(Power Gain) = S21 (dB)
Isolation = S12 (dB)
Output Return Loss = S22 (dB)

TEST CONDITIONS: V_{DD} = +20 V, I_{DD} = 400 mA, V_G = -1.66 V, I_G = 0.01 mA, Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output P_{OUT} = +26 dBm/Tone	1dB Comp. Output	P_{SAT} Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dBm)	(dB)
10	19.1	-51.8	-11.3	-8.7	17.3	0.9	38.7	34.8	37.1	19.6
100	18.8	-54.1	-12.5	-10.0	24.7	1.0	44.5	34.8	37.4	22.8
200	18.9	-48.7	-12.5	-10.7	13.3	1.0	43.3	34.3	37.3	20.5
300	19.5	-44.9	-12.1	-10.9	7.9	1.0	43.0	34.1	37.2	19.0
400	20.0	-41.7	-11.2	-10.8	5.1	1.0	42.6	34.2	37.5	20.8
500	19.9	-40.0	-10.2	-10.8	4.2	1.0	42.2	34.1	37.6	21.0
600	19.3	-39.0	-9.4	-10.9	3.9	1.0	37.7	34.0	37.4	21.1
700	18.4	-38.5	-8.9	-10.8	4.0	1.0	37.9	33.9	37.0	6.6
800	17.6	-38.1	-9.1	-10.5	4.2	1.0	38.2	33.8	37.0	6.3
900	17.2	-37.6	-9.3	-10.0	4.2	1.0	38.8	33.9	37.4	6.3
1000	17.1	-36.7	-9.8	-9.5	3.9	1.0	41.5	33.8	37.8	6.5
1100	17.2	-35.9	-10.6	-8.8	3.5	0.9	38.3	33.6	37.6	6.6
1200	17.5	-34.9	-11.4	-8.2	3.1	0.9	37.9	33.4	37.3	5.4
1300	17.8	-34.1	-12.4	-8.1	2.7	0.9	38.0	33.3	37.1	4.6
1400	18.0	-33.3	-13.3	-7.7	2.4	0.8	38.7	33.3	37.2	4.0
1500	18.1	-32.6	-14.0	-7.3	2.2	0.8	38.8	33.2	37.5	3.3
1600	18.1	-32.1	-14.5	-7.3	2.1	0.8	38.6	33.0	37.4	3.0
1700	18.1	-31.5	-14.7	-7.5	2.0	0.8	38.5	33.0	37.2	2.8
1800	18.1	-31.0	-14.6	-7.6	1.9	0.8	38.9	33.2	37.4	2.6
1900	18.1	-30.7	-14.2	-7.8	1.8	0.8	39.3	33.3	37.4	2.5
2000	18.0	-30.3	-13.8	-8.1	1.7	0.8	39.4	33.2	37.3	2.5
2100	18.0	-29.9	-13.3	-8.5	1.7	0.9	39.3	33.0	37.2	2.7
2200	17.9	-29.6	-12.9	-9.1	1.7	0.9	39.4	33.2	37.3	2.9
2300	17.8	-29.3	-12.5	-9.8	1.7	0.9	39.6	33.2	37.3	3.0
2400	17.8	-29.0	-12.3	-10.5	1.7	0.9	39.7	33.3	37.2	3.3
2500	17.7	-28.7	-12.1	-11.3	1.6	0.9	39.5	33.2	37.1	3.3
2600	17.6	-28.5	-12.0	-12.3	1.7	0.9	39.5	33.0	37.0	3.6
2700	17.5	-28.3	-12.0	-13.2	1.7	0.9	39.3	33.0	37.0	4.0
2800	17.4	-28.1	-12.2	-14.2	1.7	0.9	39.3	32.9	36.9	4.1
2900	17.3	-27.8	-12.4	-14.9	1.7	0.9	38.8	32.7	36.7	4.4
3000	17.2	-27.6	-12.8	-15.1	1.7	0.9	38.5	32.3	36.8	4.6
3100	17.1	-27.4	-13.4	-14.8	1.7	0.9	38.3	32.2	36.8	4.5
3200	17.0	-27.3	-14.0	-14.2	1.7	0.9	39.0	32.2	36.5	4.6
3300	16.9	-27.1	-14.9	-13.5	1.7	0.9	39.1	32.0	36.5	4.4
3400	16.8	-27.0	-15.9	-12.9	1.7	0.9	39.1	31.8	36.7	4.7
3500	16.7	-26.8	-17.1	-12.3	1.6	0.8	38.6	31.7	36.9	5.0
3600	16.6	-26.7	-18.4	-11.7	1.6	0.8	38.7	32.0	36.9	4.7
3700	16.5	-26.6	-19.4	-11.2	1.6	0.8	38.8	32.2	36.7	4.5
3800	16.4	-26.4	-19.9	-10.8	1.6	0.8	39.1	32.0	36.9	4.4
3900	16.3	-26.3	-19.7	-10.6	1.6	0.8	38.3	31.5	37.2	4.2
4000	16.3	-26.2	-18.8	-10.5	1.6	0.8	37.6	31.5	37.5	4.2
4200	16.1	-26.0	-16.3	-10.3	1.6	0.8	38.6	31.8	37.1	4.1
4400	15.9	-25.8	-14.2	-10.4	1.6	0.8	37.4	31.0	37.5	4.0
4600	15.7	-25.6	-12.9	-11.0	1.6	0.8	37.3	31.6	37.5	3.5
4800	15.6	-25.3	-12.1	-11.7	1.5	0.9	37.8	31.2	37.5	3.3
5000	15.5	-25.1	-11.7	-12.8	1.5	0.9	38.1	31.5	37.5	3.5
5200	15.4	-24.8	-11.9	-14.3	1.5	0.9	38.5	31.6	37.4	3.7
5400	15.4	-24.6	-12.8	-15.6	1.5	0.9	38.4	31.5	37.4	3.7
5600	15.2	-24.4	-14.5	-16.4	1.5	0.9	38.5	31.9	37.5	4.3
5800	15.0	-24.3	-17.2	-16.5	1.6	0.9	38.2	32.0	37.2	4.9
6000	14.5	-24.5	-19.0	-16.1	1.7	0.9	38.1	32.3	37.2	4.9
6500	12.4	-26.1	-10.9	-15.6	2.3	1.0	37.2	33.1	36.7	6.7
7000	9.6	-28.3	-6.6	-14.0	3.4	1.1	36.4	33.8	35.7	7.7

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Definitions:

Input Return Loss = S11 (dB)
Gain(Power Gain) = S21 (dB)
Isolation = S12 (dB)
Output Return Loss = S22 (dB)

TEST CONDITIONS: V_{DD} = +24 V, I_{DD} = 400 mA, V_G = -1.65 V, I_G = 0.01 mA, Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output P_{OUT} = +26 dBm/Tone	1dB Comp. Output	P_{SAT} Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dBm)	(dB)
10	19.3	-61.5	-11.4	-7.5	49.0	0.9	46.9	35.3	38.3	19.8
100	19.1	-55.4	-12.5	-8.6	26.6	0.9	45.8	35.7	38.8	23.1
200	19.3	-50.1	-12.6	-9.4	14.5	0.9	44.9	35.3	38.7	20.4
300	19.9	-45.2	-12.2	-9.7	7.7	1.0	44.6	35.1	38.6	13.4
400	20.4	-42.5	-11.4	-10.0	5.2	1.0	44.2	35.1	38.9	14.3
500	20.4	-40.8	-10.4	-10.3	4.3	1.0	43.8	35.0	38.9	15.2
600	19.8	-39.7	-9.6	-10.7	4.0	1.0	43.0	34.9	38.7	21.3
700	18.9	-39.4	-9.1	-10.8	4.2	1.0	39.3	34.8	38.4	6.7
800	18.1	-38.9	-9.3	-10.5	4.4	1.0	43.2	34.7	38.3	6.4
900	17.7	-38.4	-9.6	-10.1	4.4	1.0	43.4	34.7	38.8	6.5
1000	17.6	-37.7	-10.1	-9.6	4.1	1.0	42.8	34.5	39.2	6.6
1100	17.7	-36.9	-10.9	-9.0	3.7	0.9	42.5	34.3	39.0	6.8
1200	18.0	-35.8	-11.9	-8.4	3.2	0.9	39.5	34.0	38.6	5.6
1300	18.2	-35.1	-12.9	-8.3	2.9	0.9	39.5	34.0	38.4	4.8
1400	18.4	-34.2	-13.9	-7.8	2.6	0.8	40.2	34.0	38.6	4.2
1500	18.5	-33.5	-14.7	-7.4	2.3	0.8	40.1	33.8	38.7	3.5
1600	18.5	-33.1	-15.1	-7.4	2.2	0.8	39.9	33.6	38.7	3.2
1700	18.5	-32.6	-15.3	-7.6	2.1	0.8	39.9	33.5	38.5	3.0
1800	18.5	-32.2	-15.0	-7.7	2.0	0.8	40.1	33.7	38.7	2.7
1900	18.4	-31.8	-14.5	-7.7	1.9	0.8	40.4	33.7	38.6	2.6
2000	18.4	-31.4	-13.9	-7.9	1.9	0.8	40.5	33.6	38.6	2.6
2100	18.3	-31.1	-13.3	-8.2	1.8	0.9	40.3	33.4	38.5	2.6
2200	18.2	-30.8	-12.8	-8.7	1.8	0.9	40.3	33.6	38.6	2.8
2300	18.1	-30.6	-12.5	-9.2	1.8	0.9	40.5	33.6	38.5	2.9
2400	18.0	-30.2	-12.2	-9.6	1.8	0.9	40.7	33.6	38.5	3.2
2500	17.9	-30.0	-12.0	-10.2	1.8	0.9	40.6	33.5	38.4	3.2
2600	17.8	-29.8	-12.0	-10.9	1.8	0.9	40.5	33.3	38.3	3.7
2700	17.8	-29.6	-12.0	-11.7	1.8	0.9	40.4	33.4	38.2	3.8
2800	17.7	-29.4	-12.2	-12.5	1.8	1.0	40.4	33.3	38.1	4.0
2900	17.6	-29.2	-12.5	-13.1	1.8	1.0	40.0	33.1	38.0	4.3
3000	17.5	-28.9	-12.9	-13.5	1.8	0.9	39.7	32.8	38.0	4.5
3100	17.4	-28.7	-13.5	-13.6	1.8	0.9	39.4	32.6	37.9	4.5
3200	17.3	-28.5	-14.2	-13.5	1.8	0.9	40.3	32.7	37.6	4.6
3300	17.2	-28.4	-15.2	-13.2	1.8	0.9	40.3	32.5	37.5	4.5
3400	17.2	-28.2	-16.3	-12.8	1.8	0.9	40.1	32.2	37.8	4.8
3500	17.1	-28.1	-17.7	-12.3	1.8	0.9	39.8	32.1	37.9	5.0
3600	17.0	-27.9	-19.1	-11.7	1.8	0.9	40.1	32.5	37.9	4.8
3700	16.9	-27.8	-20.4	-11.2	1.8	0.8	40.3	32.7	37.7	4.6
3800	16.8	-27.6	-21.0	-10.8	1.8	0.8	40.3	32.4	38.0	4.5
3900	16.7	-27.5	-20.8	-10.5	1.7	0.8	39.3	32.0	38.2	4.3
4000	16.6	-27.4	-19.7	-10.4	1.7	0.8	38.9	32.0	38.4	4.4
4200	16.4	-27.2	-17.0	-10.1	1.7	0.8	40.4	32.5	38.1	4.3
4400	16.2	-27.1	-14.8	-10.1	1.7	0.8	38.6	31.6	38.4	4.2
4600	16.1	-26.9	-13.4	-10.5	1.7	0.8	39.2	32.2	38.4	3.7
4800	15.9	-26.7	-12.5	-11.0	1.7	0.9	38.9	31.8	38.5	3.5
5000	15.8	-26.5	-12.1	-11.9	1.7	0.9	39.2	32.1	38.6	3.6
5200	15.7	-26.2	-12.1	-13.1	1.7	0.9	39.8	32.2	38.3	3.8
5400	15.7	-26.0	-12.5	-14.2	1.7	0.9	39.6	32.1	38.5	3.6
5600	15.6	-25.8	-13.5	-15.1	1.7	0.9	40.1	32.6	38.5	4.1
5800	15.5	-25.6	-15.0	-15.3	1.7	0.9	40.0	32.6	38.2	4.6
6000	15.3	-25.5	-16.7	-14.9	1.7	0.9	39.8	32.9	38.3	4.6
6500	13.8	-26.5	-12.1	-15.1	2.1	1.0	39.1	33.8	37.8	6.2
7000	11.3	-28.5	-7.3	-15.2	3.0	1.1	38.1	34.3	36.8	7.1

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Definitions:

Input Return Loss = S11 (dB)
Gain(Power Gain) = S21 (dB)
Isolation = S12 (dB)
Output Return Loss = S22 (dB)

TEST CONDITIONS: V_{DD} = +28 V, I_{DD} = 400 mA, V_G = -1.6 V, I_G = 0.01 mA, Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output P_{OUT} = +26 dBm/Tone	1dB Comp. Output	P_{SAT} Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dBm)	(dB)
10	19.0	-57.3	-11.4	-6.6	29.5	0.8	48.1	36.3	39.4	19.9
100	18.9	-57.2	-12.5	-7.4	32.0	0.9	46.7	36.4	40.0	22.0
200	19.1	-50.0	-12.6	-8.2	14.0	0.9	46.1	36.1	39.9	20.5
300	19.8	-45.7	-12.3	-8.7	7.9	0.9	46.0	35.9	39.7	13.5
400	20.4	-42.7	-11.6	-9.1	5.3	0.9	45.5	35.9	40.0	14.7
500	20.4	-40.7	-10.6	-9.6	4.2	1.0	45.1	35.9	40.1	15.9
600	19.8	-39.9	-9.7	-10.1	4.0	1.0	44.4	35.7	39.8	20.9
700	18.9	-39.6	-9.3	-10.2	4.3	1.0	44.7	35.7	39.5	6.8
800	18.1	-39.4	-9.5	-10.0	4.6	1.0	44.7	35.6	39.4	6.5
900	17.7	-38.5	-9.8	-9.8	4.4	1.0	44.6	35.4	39.9	6.6
1000	17.5	-37.9	-10.4	-9.4	4.2	1.0	43.8	35.1	40.2	6.8
1100	17.6	-36.9	-11.3	-8.7	3.7	0.9	43.6	34.8	40.1	7.0
1200	17.9	-36.0	-12.3	-8.2	3.3	0.9	43.4	34.6	39.7	5.7
1300	18.2	-35.1	-13.4	-8.3	2.9	0.9	43.4	34.6	39.5	5.0
1400	18.4	-34.4	-14.5	-7.6	2.6	0.8	43.8	34.6	39.6	4.4
1500	18.5	-33.7	-15.2	-7.2	2.4	0.8	41.1	34.3	39.7	3.7
1600	18.5	-33.2	-15.8	-7.3	2.2	0.8	42.5	34.0	39.6	3.4
1700	18.4	-32.8	-15.8	-7.5	2.2	0.8	42.3	34.0	39.4	3.1
1800	18.4	-32.4	-15.4	-7.5	2.1	0.8	41.1	34.1	39.6	2.8
1900	18.3	-32.0	-14.8	-7.5	2.0	0.8	41.4	34.2	39.6	2.7
2000	18.2	-31.7	-14.1	-7.6	1.9	0.8	42.8	34.0	39.5	2.7
2100	18.2	-31.4	-13.4	-7.9	1.9	0.9	40.9	33.8	39.5	2.7
2200	18.1	-31.1	-12.9	-8.3	1.9	0.9	40.9	33.9	39.6	2.8
2300	18.0	-30.9	-12.5	-8.8	1.9	0.9	41.1	33.9	39.5	2.9
2400	17.8	-30.6	-12.2	-9.1	1.8	0.9	42.3	34.0	39.4	3.1
2500	17.7	-30.4	-12.0	-9.5	1.8	0.9	42.3	33.8	39.3	3.1
2600	17.6	-30.2	-12.0	-10.1	1.8	0.9	42.2	33.6	39.2	3.4
2700	17.6	-30.0	-12.0	-10.7	1.9	0.9	42.1	33.7	39.1	3.7
2800	17.5	-29.7	-12.2	-11.4	1.9	0.9	42.0	33.6	39.0	3.9
2900	17.4	-29.5	-12.5	-11.9	1.9	0.9	42.0	33.4	38.9	4.2
3000	17.3	-29.3	-13.0	-12.2	1.9	0.9	41.8	33.1	38.8	4.5
3100	17.2	-29.1	-13.6	-12.3	1.9	0.9	41.4	33.0	38.6	4.5
3200	17.1	-28.9	-14.3	-12.4	1.9	0.9	41.2	33.1	38.3	4.6
3300	17.1	-28.7	-15.3	-12.2	1.9	0.9	41.1	32.9	38.4	4.6
3400	17.0	-28.6	-16.6	-11.9	1.9	0.9	40.7	32.5	38.6	4.8
3500	16.9	-28.4	-18.1	-11.5	1.9	0.9	40.5	32.4	38.6	5.2
3600	16.8	-28.2	-19.7	-11.0	1.8	0.9	41.0	32.8	38.6	4.9
3700	16.8	-28.1	-21.1	-10.5	1.8	0.8	41.4	33.1	38.5	4.7
3800	16.7	-28.0	-21.9	-10.1	1.8	0.8	41.1	32.7	38.7	4.7
3900	16.6	-27.9	-21.6	-9.9	1.8	0.8	40.0	32.3	38.8	4.5
4000	16.5	-27.8	-20.2	-9.8	1.8	0.8	39.7	32.4	39.0	4.5
4200	16.3	-27.6	-17.2	-9.5	1.8	0.8	41.7	33.0	38.9	4.5
4400	16.1	-27.4	-15.0	-9.5	1.8	0.8	39.4	32.0	39.0	4.4
4600	16.0	-27.2	-13.6	-9.9	1.8	0.8	40.5	32.7	39.0	3.9
4800	15.8	-27.1	-12.7	-10.3	1.8	0.8	39.7	32.2	39.1	3.7
5000	15.7	-26.8	-12.3	-11.3	1.8	0.9	40.2	32.6	39.2	3.8
5200	15.7	-26.6	-12.1	-12.4	1.7	0.9	40.8	32.6	39.0	4.0
5400	15.6	-26.3	-12.4	-13.3	1.7	0.9	40.4	32.6	39.3	3.6
5600	15.5	-26.1	-12.9	-14.1	1.7	0.9	41.2	33.1	39.3	4.0
5800	15.4	-25.9	-14.0	-14.2	1.7	0.9	41.1	33.1	39.0	4.4
6000	15.3	-25.8	-15.1	-13.6	1.7	0.9	40.9	33.4	39.2	4.4
6500	14.1	-26.5	-12.4	-14.0	2.0	0.9	40.6	34.3	38.6	6.0
7000	11.9	-28.2	-7.6	-15.2	2.8	1.1	39.6	35.0	37.7	6.8

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Definitions:

Input Return Loss = S11 (dB)
Gain(Power Gain) = S21 (dB)
Isolation = S12 (dB)
Output Return Loss = S22 (dB)

TEST CONDITIONS: V_{DD} = +28 V, I_{DD} = 300 mA, V_G = -1.85 V, I_G = 0.01 mA, Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output P_{OUT} = +26 dBm/Tone	1dB Comp. Output	P_{SAT} Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dBm)	(dB)
10	19.4	-56.7	-11.3	-6.5	26.1	0.8	44.8	33.7	39.3	19.7
100	19.3	-57.9	-12.5	-7.3	32.7	0.9	43.6	33.8	39.8	23.7
200	19.5	-50.5	-12.6	-8.1	14.0	0.9	43.0	33.6	39.8	20.4
300	20.2	-46.4	-12.3	-8.6	8.2	0.9	42.8	33.5	39.6	13.5
400	20.8	-43.3	-11.5	-9.0	5.4	0.9	42.3	33.5	39.9	14.6
500	20.8	-41.2	-10.6	-9.5	4.2	1.0	41.9	33.4	39.9	15.7
600	20.2	-40.4	-9.7	-10.0	4.0	1.0	41.2	33.5	39.7	21.0
700	19.4	-39.9	-9.3	-10.2	4.2	1.0	41.6	33.5	39.4	6.7
800	18.5	-39.5	-9.4	-10.0	4.4	1.0	41.9	33.5	39.3	6.4
900	18.1	-39.0	-9.8	-9.7	4.4	1.0	41.5	33.0	39.7	6.4
1000	18.0	-38.4	-10.3	-9.3	4.2	1.0	40.7	32.6	40.1	6.7
1100	18.1	-37.5	-11.2	-8.8	3.8	0.9	40.3	32.4	40.0	6.9
1200	18.3	-36.6	-12.2	-8.3	3.4	0.9	40.1	32.2	39.6	5.7
1300	18.6	-35.7	-13.3	-8.2	3.0	0.9	40.2	32.1	39.4	4.9
1400	18.7	-34.9	-14.4	-7.8	2.7	0.8	41.1	32.1	39.5	4.2
1500	18.8	-34.3	-15.1	-7.5	2.4	0.8	40.6	31.8	39.7	3.5
1600	18.8	-33.8	-15.6	-7.4	2.3	0.8	39.5	31.6	39.5	3.3
1700	18.8	-33.4	-15.7	-7.5	2.2	0.8	40.5	31.6	39.4	3.0
1800	18.8	-33.0	-15.3	-7.6	2.1	0.8	39.9	31.7	39.5	2.7
1900	18.7	-32.6	-14.7	-7.6	2.0	0.8	40.0	31.8	39.5	2.6
2000	18.6	-32.3	-14.0	-7.7	2.0	0.8	40.1	31.6	39.5	2.5
2100	18.5	-32.0	-13.4	-7.9	1.9	0.9	39.9	31.3	39.4	2.5
2200	18.4	-31.8	-12.8	-8.3	1.9	0.9	39.9	31.5	39.5	2.7
2300	18.3	-31.5	-12.4	-8.6	1.9	0.9	39.8	31.5	39.4	2.7
2400	18.2	-31.2	-12.2	-8.9	1.9	0.9	40.0	31.5	39.4	3.0
2500	18.1	-31.1	-12.0	-9.4	1.9	0.9	39.9	31.4	39.2	2.9
2600	18.0	-30.9	-11.9	-9.9	1.9	0.9	39.7	31.1	39.1	3.2
2700	17.9	-30.6	-12.0	-10.5	1.9	0.9	39.5	31.2	39.0	3.6
2800	17.8	-30.3	-12.2	-11.1	1.9	0.9	39.5	31.2	38.9	3.7
2900	17.8	-30.2	-12.5	-11.6	1.9	0.9	39.3	30.9	38.8	4.0
3000	17.7	-30.0	-13.0	-12.0	1.9	0.9	39.0	30.6	38.7	4.3
3100	17.6	-29.8	-13.6	-12.2	1.9	0.9	38.4	30.5	38.3	4.3
3200	17.5	-29.6	-14.3	-12.3	1.9	0.9	38.3	30.6	38.0	4.4
3300	17.5	-29.3	-15.3	-12.2	1.9	0.9	38.3	30.4	38.3	4.4
3400	17.4	-29.2	-16.5	-12.0	1.9	0.9	37.7	30.0	38.4	4.6
3500	17.3	-29.0	-18.0	-11.7	1.9	0.9	37.5	30.0	38.4	4.9
3600	17.2	-28.9	-19.5	-11.2	1.9	0.9	37.8	30.3	38.4	4.8
3700	17.1	-28.8	-20.9	-10.8	1.9	0.8	38.4	30.7	38.4	4.5
3800	17.1	-28.6	-21.8	-10.4	1.9	0.8	38.0	30.3	38.5	4.5
3900	17.0	-28.5	-21.5	-10.2	1.9	0.8	37.2	29.9	38.6	4.3
4000	16.9	-28.4	-20.3	-10.0	1.8	0.8	37.2	29.9	38.8	4.3
4200	16.7	-28.2	-17.4	-9.6	1.8	0.8	38.4	30.6	38.8	4.3
4400	16.5	-28.1	-15.2	-9.6	1.8	0.8	37.2	29.7	38.9	4.2
4600	16.3	-28.0	-13.8	-9.9	1.8	0.8	37.8	30.4	38.9	3.7
4800	16.2	-27.8	-12.9	-10.3	1.8	0.9	37.6	29.9	39.0	3.4
5000	16.0	-27.7	-12.4	-11.1	1.9	0.9	38.0	30.3	39.1	3.6
5200	16.0	-27.4	-12.2	-12.1	1.8	0.9	38.4	30.3	38.8	3.7
5400	15.9	-27.1	-12.4	-13.2	1.8	0.9	38.3	30.2	39.2	3.4
5600	15.9	-26.9	-13.0	-14.1	1.8	0.9	38.8	30.8	39.2	3.7
5800	15.8	-26.7	-14.0	-14.4	1.8	0.9	38.8	30.8	38.9	4.1
6000	15.7	-26.5	-15.2	-14.1	1.8	0.9	38.7	31.2	39.1	4.1
6500	14.7	-27.0	-12.9	-14.0	2.0	0.9	39.0	32.6	38.5	5.7
7000	12.6	-28.7	-7.8	-15.6	2.7	1.1	38.9	34.0	37.6	6.5

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Definitions:

Input Return Loss = S11 (dB)
Gain(Power Gain) = S21 (dB)
Isolation = S12 (dB)
Output Return Loss = S22 (dB)

TEST CONDITIONS: V_{DD} = +28 V, I_{DD} = 400 mA, V_G = -2 V, I_G = 0.01 mA, Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output P_{OUT} = +26 dBm/Tone	1dB Comp. Output	P_{SAT} Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dBm)	(dB)
10	19.3	-59.5	-11.4	-6.1	36.4	0.8	40.3	29.3	39.2	19.5
100	19.1	-56.6	-12.5	-6.9	28.3	0.8	39.4	30.4	39.6	23.7
200	19.3	-50.4	-12.6	-7.7	13.9	0.9	39.3	30.4	39.7	20.4
300	20.1	-46.2	-12.3	-8.1	8.0	0.9	39.4	30.3	39.5	13.4
400	20.6	-42.8	-11.6	-8.6	5.1	0.9	39.2	30.3	39.7	14.4
500	20.6	-41.2	-10.6	-9.1	4.2	1.0	39.2	30.3	39.9	15.4
600	20.1	-40.2	-9.7	-9.6	4.0	1.0	38.9	30.4	39.7	21.5
700	19.2	-39.6	-9.3	-9.8	4.1	1.0	39.3	30.6	39.3	6.6
800	18.4	-39.3	-9.5	-9.7	4.3	1.0	39.7	30.5	39.2	6.3
900	17.9	-38.9	-9.8	-9.4	4.4	1.0	39.3	30.0	39.7	6.3
1000	17.8	-38.2	-10.4	-9.0	4.2	1.0	38.6	29.5	40.1	6.6
1100	17.9	-37.3	-11.3	-8.6	3.8	0.9	38.2	29.2	40.0	6.8
1200	18.2	-36.3	-12.3	-8.2	3.3	0.9	38.2	29.0	39.6	5.6
1300	18.4	-35.7	-13.5	-8.0	3.0	0.9	38.2	29.0	39.3	4.8
1400	18.6	-34.9	-14.6	-7.6	2.7	0.8	41.5	29.0	39.5	4.1
1500	18.7	-34.2	-15.4	-7.4	2.5	0.8	40.8	28.7	39.6	3.5
1600	18.7	-33.7	-15.8	-7.3	2.3	0.8	37.8	28.5	39.5	3.2
1700	18.7	-33.3	-15.9	-7.4	2.2	0.8	40.9	28.5	39.3	2.9
1800	18.6	-32.9	-15.5	-7.4	2.1	0.8	39.8	28.6	39.5	2.6
1900	18.5	-32.5	-14.9	-7.4	2.0	0.8	39.3	28.7	39.5	2.5
2000	18.5	-32.3	-14.1	-7.5	2.0	0.8	38.4	28.5	39.4	2.4
2100	18.4	-31.9	-13.5	-7.7	1.9	0.9	39.7	28.3	39.4	2.4
2200	18.3	-31.7	-12.9	-8.0	1.9	0.9	39.5	28.5	39.4	2.5
2300	18.2	-31.4	-12.5	-8.3	1.9	0.9	39.0	28.5	39.3	2.6
2400	18.1	-31.2	-12.2	-8.6	1.9	0.9	38.5	28.5	39.3	2.8
2500	18.0	-31.1	-12.0	-9.0	1.9	0.9	38.4	28.3	39.2	2.8
2600	17.9	-30.7	-11.9	-9.5	1.9	0.9	38.3	28.1	39.0	3.0
2700	17.8	-30.6	-12.0	-10.0	1.9	0.9	38.2	28.2	38.9	3.4
2800	17.7	-30.3	-12.2	-10.6	1.9	0.9	38.3	28.0	38.8	3.6
2900	17.6	-30.1	-12.5	-11.1	1.9	0.9	38.0	27.8	38.7	3.8
3000	17.5	-29.9	-12.9	-11.4	1.9	0.9	37.9	27.5	38.6	4.2
3100	17.4	-29.7	-13.5	-11.6	1.9	0.9	37.7	27.3	38.2	4.1
3200	17.4	-29.5	-14.3	-11.7	1.9	0.9	37.0	27.4	37.9	4.2
3300	17.3	-29.3	-15.3	-11.7	1.9	0.9	36.9	27.1	38.2	4.2
3400	17.2	-29.1	-16.5	-11.5	1.9	0.9	36.6	26.8	38.3	4.5
3500	17.1	-29.0	-18.0	-11.2	1.9	0.9	36.5	26.7	38.3	4.8
3600	17.1	-28.8	-19.5	-10.8	1.9	0.9	36.5	27.1	38.2	4.6
3700	17.0	-28.7	-21.1	-10.4	1.9	0.8	36.7	27.4	38.2	4.4
3800	16.9	-28.5	-21.9	-10.1	1.9	0.8	36.7	27.1	38.4	4.3
3900	16.8	-28.4	-21.7	-9.8	1.8	0.8	36.7	26.7	38.5	4.2
4000	16.7	-28.4	-20.5	-9.6	1.8	0.8	36.7	26.8	38.7	4.2
4200	16.6	-28.1	-17.5	-9.3	1.8	0.8	37.0	27.4	38.6	4.2
4400	16.4	-28.0	-15.2	-9.3	1.8	0.8	36.9	26.6	38.8	4.0
4600	16.2	-27.9	-13.8	-9.5	1.8	0.8	37.1	27.3	38.8	3.6
4800	16.1	-27.7	-12.9	-9.9	1.8	0.8	37.4	26.9	39.0	3.4
5000	15.9	-27.5	-12.4	-10.7	1.8	0.9	37.6	27.3	39.1	3.5
5200	15.9	-27.3	-12.2	-11.6	1.8	0.9	37.9	27.3	38.7	3.6
5400	15.8	-27.0	-12.4	-12.7	1.8	0.9	38.0	27.3	39.2	3.2
5600	15.8	-26.8	-12.9	-13.6	1.8	0.9	38.2	27.9	39.1	3.5
5800	15.8	-26.5	-13.7	-13.8	1.8	0.9	38.3	27.9	38.8	3.9
6000	15.7	-26.3	-14.9	-13.5	1.7	0.9	38.1	28.3	39.1	3.9
6500	14.8	-26.7	-13.1	-13.3	2.0	0.9	38.2	30.1	38.5	5.4
7000	12.7	-28.4	-8.1	-14.9	2.6	1.1	38.7	32.7	37.6	6.2

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Definitions:
Input Return Loss = S11 (dB)
Gain(Power Gain) = S21 (dB)
Isolation = S12 (dB)
Output Return Loss = S22 (dB)

TEST CONDITIONS: V_{DD} = +28 V, I_{DD} = 400 mA, V_G = -2.1 V, I_G = 0.01 mA, Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output P_{OUT} = +26 dBm/Tone	1dB Comp. Output	P_{SAT} Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dBm)	(dB)
10	18.2	-57.3	-11.4	-5.2	28.9	0.8	39.3	25.2	38.7	26.5
100	18.1	-55.2	-12.6	-5.8	25.0	0.8	38.9	25.8	39.5	20.0
200	18.4	-50.1	-12.7	-6.5	14.0	0.8	38.8	26.0	39.5	18.6
300	19.2	-45.0	-12.5	-6.9	7.3	0.9	38.8	26.2	39.4	14.8
400	19.8	-42.8	-11.8	-7.4	5.3	0.9	39.0	26.2	39.7	12.2
500	19.9	-40.7	-10.8	-7.9	4.1	0.9	39.1	26.3	39.8	18.1
600	19.4	-39.7	-9.9	-8.5	3.9	1.0	39.1	26.7	39.6	23.9
700	18.5	-38.9	-9.5	-8.7	4.0	1.0	39.2	26.8	39.2	7.2
800	17.7	-38.8	-9.7	-8.7	4.3	1.0	39.5	26.7	39.1	7.6
900	17.2	-38.1	-10.1	-8.5	4.3	0.9	39.2	25.9	39.6	7.8
1000	17.1	-37.5	-10.7	-8.2	4.1	0.9	39.2	25.5	40.1	5.8
1100	17.2	-36.7	-11.6	-7.8	3.7	0.9	39.2	25.1	39.9	5.0
1200	17.4	-35.7	-12.7	-7.5	3.3	0.9	39.5	24.8	39.5	5.8
1300	17.6	-35.0	-14.0	-7.4	3.0	0.8	39.3	24.7	39.3	1.2
1400	17.8	-34.2	-15.3	-7.1	2.7	0.8	42.4	24.8	39.4	1.9
1500	17.9	-33.6	-16.2	-6.9	2.4	0.8	42.1	24.6	39.6	-6.3
1600	17.9	-33.1	-16.8	-6.9	2.3	0.8	39.0	24.4	39.4	5.9
1700	17.8	-32.6	-16.9	-6.9	2.2	0.8	41.9	24.5	39.3	2.9
1800	17.8	-32.2	-16.4	-6.9	2.1	0.8	40.6	24.6	39.5	1.8
1900	17.7	-31.9	-15.5	-6.9	2.0	0.8	40.1	24.9	39.4	2.5
2000	17.6	-31.7	-14.6	-7.0	2.0	0.8	39.5	24.8	39.3	1.9
2100	17.5	-31.3	-13.9	-7.1	1.9	0.8	40.7	24.4	39.3	3.7
2200	17.4	-31.1	-13.2	-7.4	1.9	0.8	40.3	24.9	39.4	2.3
2300	17.3	-30.9	-12.7	-7.6	1.9	0.9	39.6	24.9	39.2	-4.4
2400	17.2	-30.6	-12.3	-7.8	1.9	0.9	39.7	25.0	39.2	6.7
2500	17.1	-30.4	-12.1	-8.2	1.9	0.9	39.6	24.7	39.1	1.9
2600	17.0	-30.2	-12.0	-8.5	1.9	0.9	39.6	24.3	38.9	-2.2
2700	16.9	-30.0	-12.0	-8.9	1.9	0.9	39.9	24.3	38.8	2.6
2800	16.8	-29.8	-12.2	-9.4	1.9	0.9	39.7	24.1	38.7	0.6
2900	16.7	-29.6	-12.5	-9.7	1.9	0.9	39.7	23.8	38.7	4.5
3000	16.6	-29.4	-12.9	-10.0	1.9	0.9	39.4	23.3	38.6	3.2
3100	16.5	-29.2	-13.5	-10.2	1.9	0.9	38.7	22.8	38.0	3.9
3200	16.4	-29.0	-14.3	-10.2	1.9	0.9	38.2	22.8	37.6	4.0
3300	16.4	-28.8	-15.3	-10.2	1.9	0.9	38.0	22.5	38.1	4.4
3400	16.3	-28.6	-16.5	-10.1	1.9	0.9	37.9	22.1	38.1	4.8
3500	16.2	-28.4	-18.1	-9.8	1.9	0.9	37.8	22.0	38.1	5.3
3600	16.2	-28.3	-19.8	-9.5	1.9	0.8	37.6	22.3	38.0	4.9
3700	16.1	-28.1	-21.4	-9.2	1.9	0.8	37.6	22.8	38.0	3.7
3800	16.0	-27.9	-22.5	-8.9	1.8	0.8	37.9	22.5	38.2	5.0
3900	16.0	-27.8	-22.2	-8.7	1.8	0.8	38.2	22.2	38.3	4.0
4000	15.9	-27.7	-20.8	-8.5	1.8	0.8	38.0	22.3	38.5	3.7
4200	15.8	-27.5	-17.6	-8.2	1.8	0.8	37.9	23.0	38.4	4.1
4400	15.6	-27.3	-15.2	-8.2	1.8	0.8	38.4	22.2	38.7	4.2
4600	15.5	-27.1	-13.7	-8.4	1.8	0.8	38.3	22.8	38.7	3.3
4800	15.4	-26.9	-12.9	-8.8	1.8	0.8	38.8	22.6	38.9	9.7
5000	15.3	-26.7	-12.4	-9.5	1.8	0.8	38.9	23.2	39.0	3.2
5200	15.2	-26.5	-12.2	-10.3	1.8	0.9	39.2	23.2	38.5	3.5
5400	15.2	-26.3	-12.3	-11.2	1.8	0.9	39.5	23.3	39.2	2.5
5600	15.2	-26.0	-12.6	-12.0	1.7	0.9	39.3	24.0	39.1	3.0
5800	15.2	-25.6	-13.2	-12.3	1.7	0.9	39.4	23.7	38.7	3.8
6000	15.2	-25.4	-14.0	-12.0	1.7	0.9	39.2	24.2	39.1	3.6
6500	14.4	-25.6	-13.3	-11.4	1.8	0.9	39.0	26.3	38.4	5.3
7000	12.6	-26.9	-8.7	-12.8	2.3	1.0	39.1	31.2	37.6	4.9

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Definitions:

Input Return Loss = S11 (dB)
Gain(Power Gain) = S21 (dB)
Isolation = S12 (dB)
Output Return Loss = S22 (dB)

TEST CONDITIONS: V_{DD} = +28 V, I_{DD} = 400 mA, V_G = -1.77 V, I_G = 0.01 mA, Temperature = -55°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output P_{OUT} = +26 dBm/Tone	1dB Comp. Output	P_{SAT} Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dBm)	(dB)
10	20.6	-55.3	-11.4	-7.1	20.4	0.9	46.8	35.7	39.6	19.9
100	20.3	-57.2	-12.5	-8.1	27.8	0.9	46.5	35.7	40.2	23.8
200	20.6	-52.2	-12.5	-8.9	15.6	0.9	45.8	35.5	40.1	19.8
300	21.3	-47.4	-12.1	-9.3	8.3	0.9	45.7	35.3	39.8	13.5
400	21.8	-44.5	-11.3	-9.7	5.6	1.0	45.2	35.2	40.1	14.1
500	21.8	-42.7	-10.3	-10.1	4.5	1.0	44.7	35.2	40.1	14.8
600	21.2	-41.6	-9.4	-10.6	4.2	1.0	44.0	35.3	40.0	21.1
700	20.4	-41.0	-8.9	-10.7	4.2	1.0	44.4	35.3	39.6	6.2
800	19.5	-40.8	-9.1	-10.5	4.6	1.0	44.4	35.2	39.5	5.8
900	19.1	-40.3	-9.4	-10.2	4.6	1.0	44.1	34.9	39.9	5.8
1000	19.0	-39.7	-9.9	-9.8	4.4	1.0	43.2	34.5	40.3	6.1
1100	19.1	-38.7	-10.7	-9.1	3.9	0.9	43.0	34.2	40.2	6.2
1200	19.4	-37.8	-11.6	-8.6	3.4	0.9	42.8	34.2	39.9	5.1
1300	19.6	-37.0	-12.7	-8.6	3.1	0.9	42.9	34.2	39.6	4.4
1400	19.8	-36.1	-13.7	-8.0	2.7	0.9	43.4	34.2	39.8	3.7
1500	19.9	-35.5	-14.4	-7.6	2.5	0.8	42.8	33.9	39.9	3.1
1600	19.9	-35.0	-14.9	-7.6	2.4	0.8	42.1	33.6	39.7	2.8
1700	19.9	-34.6	-15.0	-7.8	2.3	0.8	41.9	33.6	39.6	2.5
1800	19.8	-34.1	-14.7	-7.7	2.1	0.8	40.8	33.8	39.7	2.2
1900	19.8	-33.9	-14.2	-7.7	2.1	0.8	41.2	33.8	39.7	2.2
2000	19.7	-33.5	-13.5	-7.8	2.0	0.9	42.4	33.6	39.6	2.0
2100	19.6	-33.3	-13.0	-8.0	2.0	0.9	41.7	33.4	39.6	2.1
2200	19.5	-32.9	-12.5	-8.4	1.9	0.9	40.7	33.6	39.7	2.2
2300	19.4	-32.7	-12.2	-8.8	1.9	0.9	41.0	33.6	39.6	2.3
2400	19.4	-32.5	-11.9	-9.1	1.9	0.9	41.8	33.6	39.6	2.5
2500	19.3	-32.3	-11.8	-9.4	1.9	0.9	41.7	33.5	39.5	2.4
2600	19.2	-32.1	-11.7	-10.0	1.9	0.9	41.8	33.3	39.5	2.8
2700	19.1	-31.8	-11.8	-10.6	1.9	0.9	41.7	33.4	39.4	3.0
2800	19.0	-31.6	-12.0	-11.2	1.9	1.0	41.6	33.3	39.3	3.2
2900	18.9	-31.4	-12.3	-11.8	1.9	1.0	41.6	33.1	39.2	3.4
3000	18.8	-31.1	-12.7	-12.2	1.9	0.9	41.5	32.8	39.2	3.7
3100	18.8	-30.9	-13.3	-12.5	1.9	0.9	41.0	32.7	39.0	3.7
3200	18.7	-30.8	-14.0	-12.8	1.9	0.9	40.9	32.9	38.7	3.8
3300	18.6	-30.6	-14.9	-12.9	1.9	0.9	40.8	32.7	38.6	3.7
3400	18.5	-30.4	-16.0	-12.9	1.9	0.9	40.4	32.2	38.7	4.0
3500	18.4	-30.3	-17.2	-12.6	1.9	0.9	40.2	32.2	38.8	4.3
3600	18.4	-30.1	-18.6	-12.2	1.9	0.9	40.6	32.6	38.8	4.1
3700	18.3	-30.0	-19.8	-11.8	1.9	0.9	41.0	32.8	38.6	3.9
3800	18.2	-29.9	-20.7	-11.4	1.9	0.9	40.6	32.5	38.9	3.9
3900	18.1	-29.8	-20.9	-11.2	1.9	0.9	39.5	32.0	39.0	3.7
4000	18.0	-29.6	-20.2	-11.0	1.9	0.8	39.3	32.0	39.3	3.7
4200	17.8	-29.6	-17.7	-10.5	1.9	0.8	41.3	32.8	39.2	3.6
4400	17.5	-29.4	-15.6	-10.4	1.9	0.8	39.0	31.8	39.3	3.7
4600	17.3	-29.3	-14.1	-10.6	1.9	0.9	39.9	32.5	39.4	3.2
4800	17.1	-29.2	-13.1	-10.8	1.9	0.9	39.2	31.9	39.4	3.0
5000	17.0	-29.0	-12.6	-11.6	1.9	0.9	39.5	32.2	39.5	3.0
5200	16.9	-28.9	-12.3	-12.4	1.9	0.9	40.1	32.2	39.3	3.3
5400	16.8	-28.7	-12.5	-13.4	1.9	0.9	39.6	32.1	39.5	2.8
5600	16.8	-28.4	-13.1	-14.5	1.9	0.9	40.5	32.7	39.5	3.0
5800	16.8	-28.3	-14.2	-15.1	1.9	0.9	40.4	32.6	39.3	3.3
6000	16.7	-28.0	-15.9	-15.3	1.9	0.9	40.3	32.9	39.5	3.5
6500	15.8	-28.5	-13.2	-15.1	2.1	0.9	40.6	34.0	39.0	4.9
7000	13.7	-30.2	-7.5	-17.2	2.8	1.1	40.0	35.0	38.4	5.7

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Definitions:

Input Return Loss = S11 (dB)
Gain(Power Gain) = S21 (dB)
Isolation = S12 (dB)
Output Return Loss = S22 (dB)

TEST CONDITIONS: V_{DD} = +28 V, I_{DD} = 400 mA, V_G = -1.6 V, I_G = 0.01 mA, Temperature = +95°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output P_{OUT} = +26 dBm/Tone	1dB Comp. Output	P_{SAT} Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dBm)	(dB)
10	18.1	-60.7	-11.4	-6.1	47.3	0.8	50.4	36.4	39.1	20.9
100	17.9	-54.1	-12.6	-7.1	24.7	0.9	46.1	36.8	39.7	22.7
200	18.1	-49.3	-12.7	-7.9	14.3	0.9	45.6	36.5	39.6	20.6
300	18.8	-44.9	-12.4	-8.4	8.1	0.9	45.5	36.3	39.4	13.7
400	19.4	-41.7	-11.7	-8.8	5.2	0.9	45.3	36.3	39.7	14.8
500	19.4	-39.9	-10.8	-9.3	4.2	1.0	44.9	36.3	39.7	15.8
600	18.8	-38.9	-10.0	-9.8	4.0	1.0	44.3	36.1	39.5	22.1
700	18.0	-38.5	-9.6	-10.0	4.2	1.0	44.5	36.0	39.3	7.2
800	17.2	-38.2	-9.8	-9.9	4.5	1.0	44.5	36.0	39.1	6.9
900	16.7	-37.7	-10.1	-9.6	4.5	1.0	44.5	35.8	39.5	6.9
1000	16.6	-36.8	-10.8	-9.2	4.2	0.9	43.8	35.4	39.8	7.1
1100	16.7	-36.0	-11.7	-8.6	3.8	0.9	43.6	35.1	39.7	7.3
1200	16.9	-35.1	-12.7	-8.2	3.3	0.9	43.4	34.9	39.3	6.0
1300	17.2	-34.1	-13.9	-8.2	2.9	0.9	43.4	34.8	39.1	5.3
1400	17.4	-33.4	-15.0	-7.6	2.6	0.8	41.4	34.8	39.2	4.7
1500	17.5	-32.7	-15.8	-7.2	2.4	0.8	41.3	34.5	39.4	4.0
1600	17.5	-32.2	-16.3	-7.3	2.2	0.8	42.5	34.2	39.2	3.7
1700	17.4	-31.7	-16.3	-7.5	2.2	0.8	40.7	34.2	39.1	3.4
1800	17.4	-31.4	-15.8	-7.5	2.1	0.8	41.1	34.3	39.2	3.1
1900	17.3	-31.0	-15.1	-7.5	2.0	0.8	41.2	34.3	39.2	3.0
2000	17.2	-30.7	-14.3	-7.6	1.9	0.8	41.2	34.1	39.1	2.9
2100	17.1	-30.5	-13.6	-7.9	1.9	0.9	40.7	33.9	39.1	2.9
2200	17.0	-30.1	-13.1	-8.3	1.9	0.9	41.4	34.0	39.1	3.1
2300	16.9	-29.9	-12.6	-8.8	1.9	0.9	41.7	34.0	39.0	3.2
2400	16.8	-29.7	-12.3	-9.1	1.9	0.9	42.4	34.1	39.0	3.4
2500	16.7	-29.4	-12.1	-9.6	1.9	0.9	42.2	33.9	38.9	3.4
2600	16.6	-29.2	-12.0	-10.2	1.9	0.9	42.1	33.7	38.7	3.8
2700	16.5	-29.0	-12.1	-10.8	1.9	0.9	41.9	33.8	38.5	4.1
2800	16.4	-28.8	-12.3	-11.5	1.9	0.9	41.8	33.7	38.5	4.3
2900	16.3	-28.6	-12.6	-12.0	1.9	0.9	41.8	33.4	38.4	4.6
3000	16.2	-28.3	-13.1	-12.3	1.9	0.9	41.5	33.1	38.3	4.9
3100	16.2	-28.2	-13.7	-12.3	1.9	0.9	40.5	33.0	37.9	4.9
3200	16.1	-28.0	-14.5	-12.2	1.9	0.9	41.0	33.1	37.6	4.9
3300	16.0	-27.8	-15.6	-12.0	1.9	0.9	40.9	32.9	38.0	5.0
3400	15.9	-27.6	-16.9	-11.7	1.9	0.9	40.5	32.5	38.1	5.2
3500	15.8	-27.5	-18.6	-11.2	1.9	0.9	40.4	32.5	38.1	5.5
3600	15.8	-27.3	-20.4	-10.6	1.9	0.8	40.9	32.9	38.1	5.3
3700	15.7	-27.1	-22.1	-10.1	1.8	0.8	41.2	33.1	38.1	5.1
3800	15.6	-27.0	-22.7	-9.8	1.8	0.8	41.0	32.7	38.1	5.1
3900	15.5	-26.9	-22.0	-9.6	1.8	0.8	40.0	32.3	38.2	4.8
4000	15.5	-26.7	-20.3	-9.4	1.8	0.8	39.7	32.4	38.3	4.9
4200	15.3	-26.6	-17.0	-9.1	1.8	0.8	41.5	32.9	38.3	4.8
4400	15.1	-26.4	-14.7	-9.2	1.7	0.8	39.4	32.0	38.4	4.7
4600	15.0	-26.2	-13.3	-9.6	1.7	0.8	40.5	32.8	38.4	4.2
4800	14.9	-25.9	-12.5	-10.1	1.7	0.8	39.9	32.3	38.5	4.0
5000	14.8	-25.7	-12.1	-11.1	1.7	0.9	40.5	32.7	38.6	4.1
5200	14.7	-25.5	-12.1	-12.2	1.7	0.9	40.9	32.8	38.2	4.3
5400	14.6	-25.2	-12.4	-13.3	1.7	0.9	40.6	32.8	38.7	4.0
5600	14.6	-25.0	-13.1	-14.1	1.7	0.9	41.1	33.3	38.7	4.4
5800	14.5	-24.8	-14.0	-14.0	1.7	0.9	40.9	33.3	38.3	4.8
6000	14.3	-24.7	-14.9	-13.4	1.7	0.9	40.7	33.6	38.5	4.9
6500	13.0	-25.4	-12.2	-13.4	2.0	0.9	39.9	34.4	37.8	6.5
7000	10.7	-27.2	-7.9	-14.3	2.8	1.1	38.9	34.9	36.8	7.3

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Note: Units are in mA.

TEST CONDITIONS: V_{DD} = +28 V, V_G = -1.6 V, I_G = 0.01 mA

FREQ	I_{DD} at P_{IN} = +10 dBm Temperature = +25°C	I_{DD} at P_{IN} = +10 dBm Temperature = -55°C	I_{DD} at P_{IN} = +10 dBm Temperature = +95°C	I_{DD} at P_{IN} = +15 dBm Temperature = +25°C	I_{DD} at P_{IN} = +15 dBm Temperature = -55°C	I_{DD} at P_{IN} = +15 dBm Temperature = +95°C	I_{DD} at P_{IN} = +18 dBm Temperature = +25°C	I_{DD} at P_{IN} = +18 dBm Temperature = -55°C	I_{DD} at P_{IN} = +18 dBm Temperature = +95°C
(MHz)		+10			+15			+18	
10	359.6	334.4	368.4	341.0	326.0	351.2	356.5	358.7	353.2
100	355.9	339.1	371.0	334.3	320.4	351.3	345.4	349.0	348.4
500	355.1	331.9	364.9	349.0	343.5	352.0	378.8	386.0	371.5
1000	368.5	348.4	375.7	357.4	349.1	364.1	381.3	384.5	374.1
2000	372.0	353.0	377.6	377.7	377.7	376.5	424.3	442.4	406.6
3000	379.0	362.6	382.6	390.2	386.6	386.8	431.0	444.0	414.8
4000	375.5	366.3	385.2	391.6	399.6	389.1	440.6	464.9	419.6
5000	380.1	364.8	383.8	385.4	390.4	382.4	430.9	452.3	409.8
6000	373.2	353.5	380.1	362.7	357.3	368.8	387.9	402.6	377.6
7000	376.2	356.5	382.0	360.1	340.4	369.1	364.0	355.7	368.0

FREQ	I_{DD} at P_{IN} = +20 dBm Temperature = +25°C	I_{DD} at P_{IN} = +20 dBm Temperature = -55°C	I_{DD} at P_{IN} = +20 dBm Temperature = +95°C	I_{DD} at P_{IN} = +22 dBm Temperature = +25°C	I_{DD} at P_{IN} = +22 dBm Temperature = -55°C	I_{DD} at P_{IN} = +22 dBm Temperature = +95°C	I_{DD} at P_{IN} = +24 dBm Temperature = +25°C	I_{DD} at P_{IN} = +24 dBm Temperature = -55°C	I_{DD} at P_{IN} = +24 dBm Temperature = +95°C
(MHz)		+20			+22			+24	
10	382.1	390.4	373.0	413.8	423.1	400.4	440.9	451.3	427.4
100	371.6	381.6	364.6	406.5	420.9	395.5	440.9	460.4	430.1
500	413.8	429.1	397.9	456.2	473.1	437.0	492.1	506.0	471.0
1000	415.9	431.2	399.0	465.7	489.8	441.3	527.9	553.2	496.3
2000	476.0	503.2	449.0	539.0	574.5	503.7	608.5	635.6	570.3
3000	477.1	500.7	454.5	537.0	567.9	505.4	606.7	642.0	567.6
4000	492.0	523.1	458.8	554.0	594.2	511.8	629.3	674.2	577.9
5000	478.2	507.8	447.9	538.8	575.9	501.0	611.5	654.0	564.6
6000	425.2	449.9	403.4	475.9	506.7	442.4	536.2	575.7	496.2
7000	379.3	383.0	377.7	410.2	424.1	398.4	452.3	477.6	431.0

FREQ	I_{DD} at P_{IN} = +26 dBm Temperature = +25°C	I_{DD} at P_{IN} = +26 dBm Temperature = -55°C	I_{DD} at P_{IN} = +26 dBm Temperature = +95°C	I_{DD} at P_{IN} = +28 dBm Temperature = +25°C	I_{DD} at P_{IN} = +28 dBm Temperature = -55°C	I_{DD} at P_{IN} = +28 dBm Temperature = +95°C	I_{DD} at P_{IN} = +30 dBm Temperature = +25°C	I_{DD} at P_{IN} = +30 dBm Temperature = -55°C	I_{DD} at P_{IN} = +30 dBm Temperature = +95°C
(MHz)		+26			+28			+30	
10	457.6	467.1	442.9	459.8	470.2	445.6	454.6	464.3	440.2
100	469.8	490.7	458.4	484.9	505.3	474.0	484.5	502.8	474.8
500	518.4	531.7	497.9	526.7	531.2	506.5	527.3	528.8	509.5
1000	591.2	608.2	556.7	641.0	649.6	609.5	663.2	658.2	640.7
2000	660.6	673.7	631.2	685.6	687.8	665.3	701.8	694.8	682.8
3000	673.6	693.1	636.5	700.3	702.0	676.4	711.1	701.5	690.7
4000	703.4	755.7	651.0	768.6	811.9	720.6	787.5	820.6	775.8
5000	690.1	733.7	635.4	756.4	793.9	701.5	807.2	822.5	754.0
6000	604.6	643.9	556.8	668.2	703.2	616.2	723.7	747.3	673.1
7000	503.8	538.4	471.2	559.3	595.7	515.9	610.9	636.7	561.8

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Note: Units are in mA.

TEST CONDITIONS: V_{DD} = +28 V, I_{DD} = 400 mA, V_G = -1.6 V

FREQ	I_G at P_{IN} = +10 dBm Temperature = +25°C	I_G at P_{IN} = +10 dBm Temperature = -55°C	I_G at P_{IN} = +10 dBm Temperature = +95°C	I_G at P_{IN} = +15 dBm Temperature = +25°C	I_G at P_{IN} = +15 dBm Temperature = -55°C	I_G at P_{IN} = +15 dBm Temperature = +95°C	I_G at P_{IN} = +18 dBm Temperature = +25°C	I_G at P_{IN} = +18 dBm Temperature = -55°C	I_G at P_{IN} = +18 dBm Temperature = +95°C
(MHz)	+10			+15			+18		
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FREQ	I_G at P_{IN} = +20 dBm Temperature = +25°C	I_G at P_{IN} = +20 dBm Temperature = -55°C	I_G at P_{IN} = +20 dBm Temperature = +95°C	I_G at P_{IN} = +22 dBm Temperature = +25°C	I_G at P_{IN} = +22 dBm Temperature = -55°C	I_G at P_{IN} = +22 dBm Temperature = +95°C	I_G at P_{IN} = +24 dBm Temperature = +25°C	I_G at P_{IN} = +24 dBm Temperature = -55°C	I_G at P_{IN} = +24 dBm Temperature = +95°C
(MHz)	+20			+22			+24		
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FREQ	I_G at P_{IN} = +26 dBm Temperature = +25°C	I_G at P_{IN} = +26 dBm Temperature = -55°C	I_G at P_{IN} = +26 dBm Temperature = +95°C	I_G at P_{IN} = +28 dBm Temperature = +25°C	I_G at P_{IN} = +28 dBm Temperature = -55°C	I_G at P_{IN} = +28 dBm Temperature = +95°C	I_G at P_{IN} = +30 dBm Temperature = +25°C	I_G at P_{IN} = +30 dBm Temperature = -55°C	I_G at P_{IN} = +30 dBm Temperature = +95°C
(MHz)	+26			+28			+30		
10	0.0	0.0	0.0	0.0	0.0	0.0	-0.4	-0.2	-0.6
100	0.0	0.0	0.0	0.0	0.0	0.0	-0.3	-0.1	-0.4
500	-0.2	-0.1	-0.1	-4.3	-4.6	-4.0	-10.7	-11.2	-10.1
1000	0.0	0.0	0.0	-0.3	-0.9	0.0	-3.8	-5.8	-2.3
2000	-0.2	-1.1	0.0	-4.8	-7.3	-3.0	-12.1	-15.3	-9.4
3000	-0.1	-1.1	0.0	-5.2	-8.0	-2.9	-12.8	-16.1	-9.7
4000	0.0	0.0	0.0	0.0	-1.1	0.0	-3.6	-7.8	-1.3
5000	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-1.5	0.0
6000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.7	0.0
7000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.9	0.0

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Note: Units are in dBm.

Tone Spacing = 1 MHz

TEST CONDITIONS: V_{DD} = +28 V, I_{DD} = 400 mA, V_G = -1.6 V, I_G = 0.01 mA

FREQ	Output-IP3 at P_{OUT} = +18 dBm/tone Temperature = +25°C	Output-IP3 at P_{OUT} = +18 dBm/tone Temperature = -55°C	Output-IP3 at P_{OUT} = +18 dBm/tone Temperature = +95°C	Output-IP3 at P_{OUT} = +20 dBm/tone Temperature = +25°C	Output-IP3 at P_{OUT} = +20 dBm/tone Temperature = -55°C	Output-IP3 at P_{OUT} = +20 dBm/tone Temperature = +95°C	Output-IP3 at P_{OUT} = +22 dBm/tone Temperature = +25°C	Output-IP3 at P_{OUT} = +22 dBm/tone Temperature = -55°C	Output-IP3 at P_{OUT} = +22 dBm/tone Temperature = +95°C	Output-IP3 at P_{OUT} = +24 dBm/tone Temperature = +25°C	Output-IP3 at P_{OUT} = +24 dBm/tone Temperature = -55°C	Output-IP3 at P_{OUT} = +24 dBm/tone Temperature = +95°C
(MHz)	+18			+20			+22			+24		
10	43.0	44.2	43.1	48.7	50.0	41.4	48.6	49.4	47.3	47.7	51.8	48.8
100	46.3	48.8	35.2	47.1	46.9	46.4	47.6	47.5	46.5	47.3	47.1	46.5
200	46.4	47.7	35.0	46.8	47.5	46.7	46.6	47.4	46.4	46.6	46.7	46.0
300	46.6	47.5	34.9	46.2	47.3	46.0	46.7	47.1	46.2	46.4	46.6	45.9
400	46.4	48.1	34.6	46.5	47.3	46.4	46.5	46.8	45.9	46.1	46.3	45.8
500	46.4	47.2	34.4	46.5	46.5	46.3	46.0	46.4	46.2	45.9	45.8	45.7
600	45.5	46.2	34.3	45.7	46.3	46.0	45.6	46.0	45.8	45.3	45.3	45.2
700	45.8	46.9	34.8	46.0	46.8	46.0	45.7	46.1	46.0	45.5	45.6	45.3
800	45.9	46.8	35.2	45.8	46.4	45.8	45.8	46.2	45.7	45.4	45.5	45.3
900	46.1	46.7	34.7	45.9	46.7	46.0	45.8	46.2	45.8	45.4	45.3	45.2
1000	45.3	46.0	33.9	45.4	45.6	46.0	45.3	45.5	45.4	44.8	44.6	44.8
1100	45.1	46.1	33.4	45.3	46.0	45.6	45.1	45.4	45.3	44.6	44.4	44.6
1200	45.9	45.6	33.3	45.5	45.7	45.7	45.1	45.2	45.1	44.5	44.3	44.4
1300	45.2	46.4	33.4	45.3	45.8	45.7	45.0	45.4	45.1	44.5	44.4	44.5
1400	45.9	46.2	33.9	45.4	46.1	46.1	45.5	45.8	45.4	44.9	44.8	44.8
1500	45.3	46.1	33.3	45.2	45.5	45.5	45.0	45.1	45.1	44.4	44.2	44.4
1600	44.9	45.3	32.6	44.9	45.2	44.7	44.5	44.6	44.6	43.7	43.4	43.7
1700	45.2	45.2	32.6	44.7	44.8	44.8	44.4	44.4	44.3	43.6	43.2	43.5
1800	45.1	45.3	32.8	44.9	45.2	45.0	44.6	44.5	44.5	43.7	43.4	43.6
1900	45.2	45.4	33.5	45.2	45.5	45.5	44.7	44.8	44.7	44.0	43.8	43.9
2000	45.2	45.7	33.4	45.1	45.3	45.3	44.8	44.8	44.7	44.0	43.6	43.8
2100	45.0	44.8	32.8	44.7	44.8	44.6	44.2	44.3	44.1	43.3	42.9	43.1
2200	44.3	45.4	32.9	44.8	44.9	44.8	44.0	43.9	44.0	43.2	42.7	43.0
2300	44.9	45.4	33.2	44.7	45.0	44.9	44.2	44.2	44.2	43.3	42.9	43.2
2400	44.9	45.3	33.5	44.7	45.2	44.7	44.3	44.4	44.2	43.5	43.1	43.3
2500	45.0	45.4	33.3	44.7	44.9	44.9	44.4	44.1	44.1	43.3	42.9	43.1
2600	45.3	45.5	33.1	44.7	44.8	44.5	44.2	44.1	44.0	41.1	42.8	41.9
2700	44.6	45.2	32.9	44.5	44.6	44.2	44.1	44.0	43.8	41.8	41.5	42.9
2800	44.5	45.1	33.0	44.5	44.7	44.4	44.0	43.9	43.7	42.7	41.9	42.9
2900	44.6	44.8	32.7	44.7	44.9	43.8	44.0	43.9	43.5	42.5	41.7	42.7
3000	44.6	45.3	32.4	44.4	44.7	44.0	44.1	43.9	43.6	42.6	40.8	42.8
3100	44.5	45.2	31.7	44.6	44.9	44.0	43.8	43.8	41.3	42.8	41.8	42.5
3200	44.4	45.1	31.6	44.2	44.6	43.5	43.7	43.7	43.1	42.5	42.2	42.2
3300	44.8	44.9	31.4	44.2	44.4	43.2	43.6	43.5	42.9	42.5	42.1	42.1
3400	44.4	45.0	30.7	44.1	44.2	42.9	43.5	43.4	42.6	42.3	41.9	41.8
3500	44.3	44.7	30.4	44.1	44.3	43.2	43.3	43.5	42.8	42.2	41.8	41.8
3600	44.2	45.3	30.7	44.4	44.7	43.7	43.9	44.0	43.2	42.7	42.4	42.2
3700	44.5	45.3	31.3	44.5	44.9	43.3	43.9	44.2	43.3	43.0	42.6	42.4
3800	44.6	45.2	30.8	44.2	44.8	43.0	43.8	43.9	42.9	42.8	42.4	42.2
3900	43.8	44.2	30.2	43.7	43.9	42.7	43.1	43.1	42.3	41.8	41.4	41.4
4000	43.4	44.1	30.4	43.7	43.6	42.7	42.9	42.9	42.3	41.5	41.2	41.2
4200	44.8	45.4	31.5	45.1	45.3	43.4	44.3	44.6	43.4	43.4	43.2	42.8
4400	43.7	43.9	30.5	43.5	44.0	42.4	42.8	43.0	42.1	41.5	41.1	41.1
4600	44.3	44.8	31.0	44.0	44.4	43.1	43.5	43.7	42.9	42.5	42.2	42.1
4800	43.8	44.3	30.9	43.5	43.7	42.5	43.0	43.1	42.3	41.8	41.2	41.5
5000	43.8	44.8	31.2	44.0	44.1	42.6	43.4	43.3	42.7	42.1	41.4	42.0
5200	44.4	45.8	31.5	44.2	44.4	42.6	43.8	43.7	42.7	42.7	42.2	42.2
5400	44.1	44.5	31.5	43.7	44.4	42.4	43.3	43.2	42.3	42.1	41.3	41.8
5600	44.2	45.1	32.1	43.9	44.7	42.3	43.8	44.0	42.5	42.8	42.3	42.2
5800	44.1	45.3	32.1	44.1	44.7	41.8	43.7	43.8	41.9	42.7	42.2	41.8
6000	43.9	44.9	32.0	44.0	44.5	41.2	43.6	43.6	41.5	42.5	41.9	41.4
6500	42.7	43.9	32.3	42.8	43.8	40.1	42.4	43.1	40.4	41.5	41.7	40.3
7000	41.0	42.6	33.2	41.0	41.9	39.0	40.5	41.0	38.9	39.8	40.2	38.9

Note: Units are in dBm.
Tone Spacing = 1 MHz
TEST CONDITIONS: V_{DD} = +28 V, I_{DD} = 400 mA, V_G = -2 V, I_G = 0.01 mA

FREQ	Output-IP3 at P_{OUT} = +26 dBm/tone Temperature = +25°C	Output-IP3 at P_{OUT} = +26 dBm/tone Temperature = -55°C	Output-IP3 at P_{OUT} = +26 dBm/tone Temperature = +95°C	Output-IP3 at P_{OUT} = +28 dBm/tone Temperature = +25°C	Output-IP3 at P_{OUT} = +28 dBm/tone Temperature = -55°C	Output-IP3 at P_{OUT} = +28 dBm/tone Temperature = +95°C	Output-IP3 at P_{OUT} = +30 dBm/tone Temperature = +25°C	Output-IP3 at P_{OUT} = +30 dBm/tone Temperature = -55°C	Output-IP3 at P_{OUT} = +30 dBm/tone Temperature = +95°C
(MHz)	+26			+28			+30		
10	48.1	46.8	50.4	46.8	46.2	47.2	41.6	41.7	45.5
100	46.7	46.5	46.1	45.8	45.1	45.6	44.1	43.3	44.3
200	46.1	45.8	45.6	45.0	44.4	44.9	43.4	42.2	41.4
300	46.0	45.7	45.5	44.8	44.1	44.7	40.8	40.9	42.5
400	45.5	45.2	45.3	44.2	43.6	44.3	41.2	41.3	43.2
500	45.1	44.7	44.9	43.7	43.1	43.8	40.9	41.0	42.8
600	44.4	44.0	44.3	42.9	42.4	40.1	40.4	40.5	42.1
700	44.7	44.4	44.5	40.7	40.7	40.6	40.7	40.8	42.4
800	44.7	44.4	44.5	41.0	40.9	41.0	41.0	41.0	42.6
900	44.6	44.1	44.5	43.3	42.4	41.8	41.7	41.8	42.6
1000	43.8	43.2	43.8	42.5	41.6	42.6	41.7	41.8	41.9
1100	43.6	43.0	43.6	42.2	41.7	41.0	41.1	41.2	41.4
1200	43.4	42.8	43.4	40.8	40.9	40.6	40.6	40.7	41.2
1300	43.4	42.9	43.4	40.8	40.9	40.7	40.7	40.7	41.1
1400	43.8	43.4	41.4	41.4	41.5	41.2	41.3	41.4	41.6
1500	41.1	42.8	41.3	41.2	41.4	41.1	41.3	41.4	41.2
1600	42.5	42.1	42.5	41.0	41.2	40.8	41.0	41.1	40.8
1700	42.3	41.9	40.7	40.9	41.0	40.7	40.9	41.0	40.8
1800	41.1	40.8	41.1	41.1	41.2	40.9	41.2	41.3	40.9
1900	41.4	41.2	41.2	41.3	41.5	41.2	41.5	41.5	41.2
2000	42.8	42.4	41.2	41.4	41.5	41.3	41.6	41.6	41.3
2100	40.9	41.7	40.7	41.1	41.1	40.9	41.3	41.3	41.0
2200	40.9	40.7	41.4	41.1	41.2	40.8	41.3	41.4	40.9
2300	41.1	41.0	41.7	41.3	41.3	41.1	41.4	41.5	41.2
2400	42.3	41.8	42.4	41.5	41.4	41.3	41.6	41.6	41.4
2500	42.3	41.7	42.2	41.4	41.3	41.2	41.5	41.5	41.2
2600	42.2	41.8	42.1	41.2	41.0	41.1	41.2	41.2	41.0
2700	42.1	41.7	41.9	41.0	40.9	41.1	41.1	41.0	40.8
2800	42.0	41.6	41.8	41.1	40.8	41.1	41.0	40.9	40.8
2900	42.0	41.6	41.8	40.8	40.7	40.7	40.8	40.8	40.5
3000	41.8	41.5	41.5	40.5	40.4	40.5	40.5	40.5	40.2
3100	41.4	41.0	40.5	40.1	39.9	40.1	39.9	40.0	39.6
3200	41.2	40.9	41.0	40.2	40.0	39.9	40.1	40.3	39.6
3300	41.1	40.8	40.9	40.1	39.9	40.0	39.9	40.1	39.6
3400	40.7	40.4	40.5	39.6	39.3	39.5	40.0	40.2	39.7
3500	40.5	40.2	40.4	39.3	39.0	39.3	39.7	40.0	39.5
3600	41.0	40.6	40.9	39.7	39.4	39.6	39.7	39.9	39.4
3700	41.4	41.0	41.2	40.2	39.9	40.1	39.8	39.8	39.7
3800	41.1	40.6	41.0	39.9	39.6	40.0	40.3	40.3	39.9
3900	40.0	39.5	40.0	39.1	38.8	39.2	39.9	40.1	39.6
4000	39.7	39.3	39.7	38.9	38.7	39.1	39.6	39.8	39.3
4200	41.7	41.3	41.5	40.2	39.9	40.1	40.1	40.3	40.0
4400	39.4	39.0	39.4	38.9	38.8	39.1	39.7	40.0	39.3
4600	40.5	39.9	40.5	39.5	39.2	39.4	39.7	39.8	39.4
4800	39.7	39.2	39.9	39.3	39.1	39.6	40.0	40.3	39.7
5000	40.2	39.5	40.5	39.6	39.3	39.8	40.1	40.3	39.9
5200	40.8	40.1	40.9	40.3	39.8	40.2	40.5	40.7	40.2
5400	40.4	39.6	40.6	40.0	39.7	40.1	40.7	40.9	40.2
5600	41.2	40.5	41.1	40.4	40.2	40.3	40.6	40.9	40.2
5800	41.1	40.4	40.9	40.4	40.2	40.3	40.6	40.9	40.1
6000	40.9	40.3	40.7	40.3	40.1	40.1	40.5	40.8	40.0
6500	40.6	40.6	39.9	40.2	40.4	39.9	40.2	40.5	39.9
7000	39.6	40.0	38.9	39.6	40.1	39.0	39.5	40.1	38.6

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Note: Units are in dBc.

Tone Spacing = 1 MHz

TEST CONDITIONS: V_{DD} = +28 V, Temperature = +25°C

FREQ	Output-IM3 at P_{OUT} = +18 dBm/tone I_{DD} = 400 mA	Output-IM3 at P_{OUT} = +18 dBm/tone I_{DD} = 300 mA	Output-IM3 at P_{OUT} = +18 dBm/tone I_{DD} = 200 mA	Output-IM3 at P_{OUT} = +18 dBm/tone I_{DD} = 100 mA	Output-IM3 at P_{OUT} = +20 dBm/tone I_{DD} = 400 mA	Output-IM3 at P_{OUT} = +20 dBm/tone I_{DD} = 300 mA	Output-IM3 at P_{OUT} = +20 dBm/tone I_{DD} = 200 mA	Output-IM3 at P_{OUT} = +20 dBm/tone I_{DD} = 100 mA	Output-IM3 at P_{OUT} = +22 dBm/tone I_{DD} = 400 mA	Output-IM3 at P_{OUT} = +22 dBm/tone I_{DD} = 300 mA	Output-IM3 at P_{OUT} = +22 dBm/tone I_{DD} = 200 mA	Output-IM3 at P_{OUT} = +22 dBm/tone I_{DD} = 100 mA	Output-IM3 at P_{OUT} = +24 dBm/tone I_{DD} = 400 mA	Output-IM3 at P_{OUT} = +24 dBm/tone I_{DD} = 300 mA	Output-IM3 at P_{OUT} = +24 dBm/tone I_{DD} = 200 mA	Output-IM3 at P_{OUT} = +24 dBm/tone I_{DD} = 100 mA
(MHz)	+18				+20				+22				+24			
10	-50.1	-55.2	-53.5	-35.2	-57.3	-46.7	-48.0	-31.7	-53.2	-66.3	-41.3	-29.1	-47.4	-44.8	-35.4	-27.4
100	-56.7	-56.1	-47.3	-35.4	-54.1	-50.9	-43.7	-31.1	-51.2	-46.1	-38.0	-27.6	-46.6	-41.0	-32.2	-26.1
500	-56.8	-53.0	-46.4	-34.2	-52.9	-48.2	-41.2	-30.3	-48.1	-43.7	-35.4	-27.9	-43.7	-38.1	-30.1	-26.7
600	-55.1	-52.1	-45.5	-33.8	-51.4	-48.0	-40.3	-30.1	-47.2	-42.8	-34.5	-27.9	-42.5	-36.9	-29.3	-26.8
800	-55.8	-53.8	-46.8	-35.8	-51.7	-48.3	-41.5	-32.1	-47.6	-43.5	-36.0	-29.7	-42.8	-37.9	-30.9	-28.2
1000	-54.7	-51.6	-43.7	-32.4	-50.8	-46.6	-38.5	-29.1	-46.5	-41.4	-33.0	-27.4	-41.5	-35.4	-28.3	-26.7
1200	-55.9	-50.4	-43.1	-31.3	-50.9	-46.0	-37.8	-28.2	-46.3	-40.6	-32.0	-27.1	-41.0	-34.5	-27.1	-26.8
1400	-54.5	-50.5	-43.3	-31.3	-50.5	-46.0	-37.7	-28.3	-46.1	-40.7	-32.1	-27.1	-40.9	-34.6	-27.3	-26.8
1600	-54.5	-49.9	-42.1	-30.4	-49.9	-45.1	-36.5	-27.8	-45.4	-39.5	-31.1	-26.7	-40.0	-33.5	-26.6	-26.6
1800	-54.4	-49.4	-41.8	-30.5	-49.9	-44.7	-36.2	-28.0	-45.1	-39.1	-31.0	-26.9	-39.6	-33.1	-26.7	-26.7
2000	-54.2	-49.2	-41.5	-30.6	-49.9	-44.6	-36.0	-28.2	-44.9	-38.9	-31.0	-27.2	-39.4	-33.0	-26.9	-27.0
2200	-52.7	-48.9	-40.5	-30.1	-49.6	-43.8	-34.9	-27.9	-44.0	-37.8	-30.2	-27.0	-38.3	-31.9	-26.4	-26.9
2400	-53.7	-49.3	-41.3	-31.2	-49.4	-44.2	-35.7	-28.9	-44.7	-38.4	-31.2	-27.9	-39.0	-32.9	-27.4	-27.6
2600	-54.6	-48.7	-40.4	-30.4	-49.5	-43.8	-35.1	-28.3	-44.5	-37.9	-30.4	-27.5	-34.1	-31.4	-30.1	-31.8
2800	-53.0	-48.5	-39.7	-29.8	-49.1	-43.1	-34.6	-27.7	-44.0	-37.4	-30.0	-26.7	-37.5	-31.5	-26.7	-26.7
3000	-53.2	-48.2	-39.6	-28.6	-48.7	-43.3	-34.0	-26.7	-44.3	-37.3	-29.0	-26.1	-37.2	-30.7	-25.7	-26.4
3200	-52.8	-47.9	-38.8	-27.0	-48.5	-42.6	-32.9	-24.9	-43.3	-36.2	-27.7	-24.4	-37.0	-30.1	-23.8	-24.5
3400	-52.8	-47.0	-37.7	-25.3	-48.2	-41.7	-31.7	-23.7	-43.1	-35.5	-26.2	-23.5	-36.5	-28.9	-22.6	-23.8
3600	-52.4	-47.6	-38.8	-25.5	-48.7	-42.7	-32.5	-23.6	-43.8	-36.4	-26.7	-23.2	-37.3	-29.6	-22.7	-23.3
3800	-53.2	-48.2	-38.8	-25.8	-48.5	-42.9	-32.7	-23.9	-43.6	-36.5	-27.0	-23.5	-37.6	-29.7	-23.1	-23.8
4000	-50.8	-46.1	-36.6	-25.0	-47.3	-40.7	-30.4	-23.9	-41.8	-34.1	-25.1	-23.8	-35.1	-27.1	-22.4	-24.0
4200	-51.1	-46.0	-36.4	-25.0	-47.1	-40.7	-30.0	-24.1	-41.7	-33.9	-24.9	-24.1	-35.0	-26.8	-22.5	-24.4
4400	-51.4	-45.9	-36.3	-25.1	-46.9	-40.6	-29.7	-24.2	-41.6	-33.7	-24.7	-24.4	-34.9	-26.5	-22.6	-24.8
4600	-51.5	-46.3	-36.7	-25.5	-47.0	-40.9	-30.1	-24.7	-41.8	-34.1	-25.2	-24.8	-35.2	-26.9	-23.1	-25.2
4800	-51.5	-46.6	-37.2	-25.9	-47.0	-41.1	-30.6	-25.2	-42.0	-34.5	-25.7	-25.2	-35.5	-27.3	-23.5	-25.6
5000	-51.6	-47.3	-38.1	-26.7	-48.0	-42.0	-31.6	-25.6	-42.8	-35.3	-26.6	-25.6	-36.2	-28.3	-24.2	-25.9
5200	-52.7	-48.0	-39.1	-27.4	-48.3	-42.7	-32.8	-26.1	-43.5	-36.5	-27.3	-26.1	-37.3	-29.2	-24.7	-26.4
5400	-52.1	-47.1	-38.2	-27.4	-47.5	-41.7	-31.8	-26.4	-42.6	-35.3	-27.0	-26.5	-36.3	-28.5	-24.8	-26.9
5600	-52.5	-48.3	-39.9	-28.5	-47.8	-43.3	-33.7	-27.0	-43.7	-37.1	-28.4	-26.7	-37.6	-30.3	-25.6	-27.0
5800	-52.3	-48.8	-39.8	-28.6	-48.1	-43.1	-33.5	-27.2	-43.4	-36.9	-28.4	-27.0	-37.5	-30.1	-25.6	-27.3
6000	-51.7	-47.6	-39.5	-28.4	-47.9	-42.7	-33.3	-26.9	-43.1	-36.4	-28.2	-26.7	-36.9	-29.8	-25.4	-26.8
6500	-49.5	-46.9	-39.2	-29.2	-45.5	-42.2	-33.4	-27.4	-40.8	-35.7	-28.9	-26.7	-35.1	-30.0	-26.1	-26.6
7000	-45.9	-43.6	-36.4	-30.7	-42.0	-38.2	-32.1	-29.7	-37.0	-32.8	-29.3	-29.0	-31.6	-29.0	-27.4	-28.0

Note: Units are in dBc.

Tone Spacing = 1 MHz

TEST CONDITIONS: V_{DD} = +28 V, Temperature = +25°C

FREQ	Output-IM3 at P_{OUT} = +26 dBm/tone I_{DD} = 400 mA	Output-IM3 at P_{OUT} = +26 dBm/tone I_{DD} = 300 mA	Output-IM3 at P_{OUT} = +26 dBm/tone I_{DD} = 200 mA	Output-IM3 at P_{OUT} = +26 dBm/tone I_{DD} = 100 mA	Output-IM3 at P_{OUT} = +28 dBm/tone I_{DD} = 400 mA	Output-IM3 at P_{OUT} = +28 dBm/tone I_{DD} = 300 mA	Output-IM3 at P_{OUT} = +28 dBm/tone I_{DD} = 200 mA	Output-IM3 at P_{OUT} = +28 dBm/tone I_{DD} = 100 mA	Output-IM3 at P_{OUT} = +30 dBm/tone I_{DD} = 400 mA	Output-IM3 at P_{OUT} = +30 dBm/tone I_{DD} = 300 mA	Output-IM3 at P_{OUT} = +30 dBm/tone I_{DD} = 200 mA	Output-IM3 at P_{OUT} = +30 dBm/tone I_{DD} = 100 mA
(MHz)	+26				+28				+30			
10	-44.2	-37.6	-28.7	-26.7	-37.6	-30.8	-25.0	-26.8	-23.1	-23.0	-23.0	-23.1
100	-41.5	-35.1	-26.7	-25.8	-35.5	-28.3	-23.6	-25.6	-28.1	-23.1	-22.0	-24.4
500	-38.2	-31.7	-26.3	-26.3	-31.4	-26.4	-23.9	-25.7	-21.8	-21.5	-21.2	-20.9
600	-36.8	-30.5	-25.9	-26.1	-29.9	-25.6	-23.4	-25.3	-20.8	-20.5	-20.2	-19.9
800	-37.3	-31.7	-27.4	-27.0	-26.0	-25.9	-26.1	-26.3	-21.9	-21.7	-21.7	-21.9
1000	-35.6	-29.4	-25.2	-26.3	-28.9	-24.9	-23.4	-25.7	-23.3	-23.3	-23.6	-24.0
1200	-34.7	-28.3	-24.4	-26.9	-25.5	-25.6	-26.1	-26.9	-21.3	-21.1	-21.4	-22.2
1400	-32.5	-28.8	-27.0	-29.4	-26.0	-25.8	-26.3	-27.5	-22.0	-21.7	-21.9	-22.9
1600	-31.5	-29.0	-29.7	-32.0	-26.2	-25.8	-26.2	-27.7	-22.2	-21.8	-22.0	-23.1
1800	-31.7	-28.5	-28.2	-30.0	-26.3	-25.7	-26.0	-27.4	-22.4	-21.9	-22.0	-23.1
2000	-30.3	-27.9	-27.0	-28.9	-26.4	-25.6	-25.7	-27.2	-22.7	-22.1	-22.3	-23.6
2200	-29.8	-27.8	-27.0	-28.7	-26.3	-25.2	-25.2	-26.9	-22.5	-21.9	-22.2	-23.5
2400	-32.5	-28.0	-25.1	-27.3	-27.0	-25.5	-25.3	-27.0	-23.2	-22.2	-22.4	-24.0
2600	-32.5	-27.4	-24.7	-27.2	-26.4	-24.5	-24.1	-26.4	-22.5	-21.3	-21.2	-23.0
2800	-32.0	-27.0	-24.7	-27.3	-26.1	-23.7	-23.1	-25.1	-22.0	-20.5	-20.1	-22.0
3000	-31.7	-25.9	-23.7	-26.8	-25.0	-22.8	-22.6	-24.2	-21.0	-19.5	-19.2	-21.3
3200	-30.4	-24.7	-22.0	-24.3	-24.4	-21.0	-20.9	-23.2	-20.2	-19.8	-19.9	-20.7
3400	-29.4	-23.4	-21.2	-23.8	-23.2	-20.3	-20.5	-24.1	-20.0	-19.5	-19.9	-21.2
3600	-30.1	-23.6	-21.0	-23.2	-23.4	-20.2	-20.1	-22.2	-19.4	-18.8	-19.0	-20.0
3800	-30.3	-24.0	-21.5	-23.9	-23.8	-20.8	-20.8	-23.3	-20.5	-20.0	-20.1	-21.1
4000	-27.5	-22.5	-21.4	-24.0	-21.9	-20.2	-20.6	-22.9	-19.2	-18.8	-19.1	-20.1
4200	-27.1	-22.5	-21.7	-24.4	-21.8	-20.4	-21.5	-23.4	-19.3	-18.9	-19.3	-20.3
4400	-26.8	-22.5	-21.9	-24.8	-21.8	-20.6	-22.3	-23.8	-19.3	-19.1	-19.5	-20.5
4600	-27.1	-22.9	-22.3	-25.2	-22.2	-21.7	-22.7	-24.3	-19.7	-19.4	-19.7	-20.8
4800	-27.4	-23.3	-22.8	-25.7	-22.6	-22.9	-23.1	-24.8	-20.1	-19.7	-19.9	-21.1
5000	-28.4	-24.0	-23.2	-25.7	-23.2	-21.8	-23.1	-24.6	-20.3	-19.9	-20.1	-21.2
5200	-29.5	-24.7	-23.8	-26.5	-24.5	-23.6	-23.7	-25.6	-20.9	-20.3	-20.4	-21.8
5400	-28.7	-24.7	-24.0	-26.9	-24.0	-22.7	-23.3	-25.7	-21.3	-21.0	-21.4	-22.4
5600	-30.4	-25.6	-24.3	-26.7	-24.8	-23.0	-23.2	-25.0	-21.3	-20.8	-20.9	-21.8
5800	-30.2	-25.7	-24.5	-26.9	-24.8	-23.2	-23.4	-25.2	-21.2	-20.7	-20.9	-21.6
6000	-29.8	-25.4	-24.2	-26.5	-24.6	-23.0	-23.1	-25.2	-21.0	-20.5	-20.6	-21.5
6500	-29.1	-26.0	-24.3	-26.1	-24.4	-23.2	-22.9	-23.9	-20.4	-19.5	-19.2	-20.3
7000	-27.2	-25.8	-25.3	-26.2	-23.2	-22.6	-22.1	-22.6	-19.0	-18.6	-18.3	-18.6

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Note: Units are in dBc.
Tone Spacing = 1 MHz

TEST CONDITIONS: V_{DD} = +28 V, I_{DD} = 400 mA, V_G = -1.6 V, I_G = 0.01 mA

FREQ	Output-IM3 at P_{OUT} = +18 dBm/tone Temperature = +25°C	Output-IM3 at P_{OUT} = +18 dBm/tone Temperature = -55°C	Output-IM3 at P_{OUT} = +18 dBm/tone Temperature = +95°C	Output-IM3 at P_{OUT} = +20 dBm/tone Temperature = +25°C	Output-IM3 at P_{OUT} = +20 dBm/tone Temperature = -55°C	Output-IM3 at P_{OUT} = +20 dBm/tone Temperature = +95°C	Output-IM3 at P_{OUT} = +22 dBm/tone Temperature = +25°C	Output-IM3 at P_{OUT} = +22 dBm/tone Temperature = -55°C	Output-IM3 at P_{OUT} = +22 dBm/tone Temperature = +95°C	Output-IM3 at P_{OUT} = +24 dBm/tone Temperature = +25°C	Output-IM3 at P_{OUT} = +24 dBm/tone Temperature = -55°C	Output-IM3 at P_{OUT} = +24 dBm/tone Temperature = +95°C
(MHz)	+18			+20			+22			+24		
10	-50.1	-52.3	-50.3	-57.3	-60.0	-42.9	-53.2	-54.9	-50.7	-47.4	-55.6	-49.5
100	-56.7	-61.5	-34.4	-54.1	-53.9	-52.7	-51.2	-51.0	-48.9	-46.6	-46.2	-45.1
500	-56.8	-58.3	-32.8	-52.9	-53.1	-52.6	-48.1	-48.8	-48.4	-43.7	-43.7	-43.3
600	-55.1	-56.5	-32.5	-51.4	-52.5	-52.0	-47.2	-48.0	-47.6	-42.5	-42.6	-42.4
800	-55.8	-57.6	-34.5	-51.7	-52.9	-51.7	-47.6	-48.3	-47.4	-42.8	-43.0	-42.5
1000	-54.7	-55.9	-31.7	-50.8	-51.3	-51.9	-46.5	-47.0	-46.8	-41.5	-41.1	-41.5
1200	-55.9	-55.1	-30.7	-50.9	-51.4	-51.3	-46.3	-46.4	-46.1	-41.0	-40.6	-40.9
1400	-54.5	-56.5	-30.7	-50.5	-51.3	-51.2	-46.1	-46.5	-46.3	-40.9	-40.6	-40.9
1600	-54.5	-55.3	-29.9	-49.9	-50.3	-50.3	-45.4	-45.5	-45.5	-40.0	-39.4	-39.9
1800	-54.4	-54.6	-30.1	-49.9	-50.4	-50.3	-45.1	-45.2	-45.0	-39.6	-39.0	-39.4
2000	-54.2	-54.2	-30.2	-49.9	-50.3	-50.1	-44.9	-45.1	-44.8	-39.4	-38.6	-39.1
2200	-52.7	-54.7	-29.7	-49.6	-49.7	-49.6	-44.0	-43.8	-44.1	-38.3	-37.4	-38.1
2400	-53.7	-54.7	-31.0	-49.4	-50.3	-49.4	-44.7	-44.7	-44.3	-39.0	-38.3	-38.6
2600	-54.6	-54.9	-30.2	-49.5	-49.6	-48.9	-44.5	-44.2	-44.1	-34.1	-37.7	-35.7
2800	-53.0	-54.2	-29.9	-49.1	-49.3	-48.7	-44.0	-43.8	-43.4	-37.5	-35.7	-37.8
3000	-53.2	-54.6	-28.7	-48.7	-49.3	-48.1	-44.3	-43.8	-43.2	-37.2	-33.6	-37.5
3200	-52.8	-54.1	-27.2	-48.5	-49.1	-47.1	-43.3	-43.3	-42.1	-37.0	-36.5	-36.4
3400	-52.8	-53.9	-25.4	-48.2	-48.4	-45.9	-43.1	-42.8	-41.3	-36.5	-35.7	-35.7
3600	-52.4	-54.6	-25.3	-48.7	-49.5	-47.4	-43.8	-43.9	-42.4	-37.3	-36.8	-36.5
3800	-52.3	-53.5	-25.5	-48.2	-48.8	-46.0	-43.0	-43.3	-41.6	-36.7	-36.0	-35.8
4000	-50.8	-52.2	-24.7	-47.3	-47.3	-45.3	-41.8	-41.9	-40.6	-35.1	-34.4	-34.5
4200	-51.1	-52.1	-24.8	-47.1	-47.6	-45.0	-41.7	-41.9	-40.4	-35.0	-34.3	-34.3
4400	-51.4	-51.9	-24.9	-46.9	-47.9	-44.7	-41.6	-41.9	-40.3	-34.9	-34.2	-34.2
4600	-52.7	-53.5	-26.1	-47.9	-48.8	-46.2	-42.9	-43.4	-41.7	-37.0	-36.4	-36.2
4800	-51.5	-52.6	-25.8	-47.0	-47.5	-45.1	-42.0	-42.2	-40.6	-35.5	-34.4	-35.0
5000	-51.6	-53.5	-26.3	-48.0	-48.1	-45.3	-42.8	-42.6	-41.4	-36.2	-34.9	-35.9
5200	-52.7	-55.5	-27.0	-48.3	-48.9	-45.1	-43.5	-43.5	-41.4	-37.3	-36.3	-36.4
5400	-52.1	-53.0	-27.0	-47.5	-48.8	-44.7	-42.6	-42.5	-40.7	-36.3	-34.6	-35.5
5600	-52.5	-54.1	-28.2	-47.8	-49.3	-44.7	-43.7	-44.1	-41.0	-37.6	-36.6	-36.3
5800	-52.3	-54.5	-28.2	-48.1	-49.4	-43.6	-43.4	-43.6	-39.8	-37.5	-36.3	-35.5
6000	-51.7	-53.7	-28.0	-47.9	-48.9	-42.4	-43.1	-43.2	-39.1	-36.9	-35.8	-34.8
6500	-49.5	-51.8	-28.7	-45.5	-47.6	-40.2	-40.8	-42.2	-36.9	-35.1	-35.4	-32.6
7000	-45.9	-49.3	-30.3	-42.0	-43.9	-38.0	-37.0	-38.1	-33.9	-31.6	-32.4	-29.7

Note: Units are in dBc.

Tone Spacing = 1 MHz

TEST CONDITIONS: V_{DD} = +28 V, I_{DD} = 400 mA, V_G = -1.6 V, I_G = 0.01 mA

FREQ	Output-IM3 at P_{OUT} = +26 dBm/tone Temperature = +25°C	Output-IM3 at P_{OUT} = +26 dBm/tone Temperature = -55°C	Output-IM3 at P_{OUT} = +26 dBm/tone Temperature = +95°C	Output-IM3 at P_{OUT} = +28 dBm/tone Temperature = +25°C	Output-IM3 at P_{OUT} = +28 dBm/tone Temperature = -55°C	Output-IM3 at P_{OUT} = +28 dBm/tone Temperature = +95°C	Output-IM3 at P_{OUT} = +30 dBm/tone Temperature = +25°C	Output-IM3 at P_{OUT} = +30 dBm/tone Temperature = -55°C	Output-IM3 at P_{OUT} = +30 dBm/tone Temperature = +95°C
(MHz)		+26			+28			+30	
10	-44.2	-41.6	-48.9	-37.6	-36.4	-38.3	-23.1	-23.4	-31.0
100	-41.5	-41.1	-40.2	-35.5	-34.1	-35.2	-28.1	-26.5	-28.7
500	-38.2	-37.4	-37.8	-31.4	-30.2	-31.7	-21.8	-22.0	-25.5
600	-36.8	-36.0	-36.7	-29.9	-28.8	-24.2	-20.8	-20.9	-24.3
800	-37.3	-36.8	-37.1	-26.0	-25.8	-26.0	-21.9	-21.9	-25.2
1000	-35.6	-34.4	-35.7	-28.9	-27.2	-29.2	-23.3	-23.6	-23.8
1200	-34.7	-33.7	-34.7	-25.5	-25.8	-25.2	-21.3	-21.4	-22.4
1400	-32.5	-33.7	-32.7	-26.0	-26.3	-25.7	-22.0	-22.1	-22.3
1600	-31.5	-32.7	-29.9	-26.2	-26.5	-25.8	-22.2	-22.3	-22.0
1800	-31.7	-31.1	-29.9	-26.3	-26.5	-25.9	-22.4	-22.5	-22.0
2000	-30.3	-30.9	-29.9	-26.4	-26.6	-26.1	-22.7	-22.9	-22.3
2200	-29.8	-29.4	-30.8	-26.3	-26.3	-25.7	-22.5	-22.8	-21.9
2400	-32.5	-31.6	-32.7	-27.0	-26.8	-26.6	-23.2	-23.2	-22.8
2600	-32.5	-31.6	-32.3	-26.4	-26.0	-26.3	-22.5	-22.4	-22.1
2800	-32.0	-31.2	-31.7	-26.1	-25.6	-26.2	-22.0	-21.9	-21.6
3000	-31.7	-31.0	-31.0	-25.0	-24.7	-24.9	-21.0	-21.1	-20.4
3200	-30.4	-29.8	-30.0	-24.4	-24.0	-23.9	-20.2	-20.6	-19.2
3400	-29.4	-28.7	-29.1	-23.2	-22.7	-23.0	-20.0	-20.4	-19.4
3600	-30.1	-29.3	-29.8	-23.4	-22.7	-23.3	-19.4	-19.8	-18.9
3800	-29.4	-28.5	-29.2	-23.3	-22.7	-23.3	-19.7	-19.9	-19.3
4000	-27.5	-26.6	-27.4	-21.9	-21.4	-22.2	-19.2	-19.7	-18.6
4200	-27.1	-26.3	-27.1	-21.8	-21.5	-22.2	-19.3	-19.8	-18.6
4400	-26.8	-26.0	-26.8	-21.8	-21.5	-22.3	-19.3	-19.9	-18.7
4600	-28.9	-27.8	-29.0	-23.0	-22.3	-22.8	-19.3	-19.6	-18.9
4800	-27.4	-26.5	-27.8	-22.6	-22.2	-23.1	-20.1	-20.6	-19.5
5000	-28.4	-27.1	-28.9	-23.2	-22.7	-23.6	-20.3	-20.6	-19.8
5200	-29.5	-28.1	-29.8	-24.5	-23.5	-24.4	-20.9	-21.4	-20.4
5400	-28.7	-27.3	-29.2	-24.0	-23.5	-24.2	-21.3	-21.8	-20.5
5600	-30.4	-29.1	-30.3	-24.8	-24.4	-24.7	-21.3	-21.8	-20.4
5800	-30.2	-28.9	-29.9	-24.8	-24.5	-24.7	-21.2	-21.8	-20.2
6000	-29.8	-28.6	-29.4	-24.6	-24.3	-24.2	-21.0	-21.7	-20.0
6500	-29.1	-29.2	-27.9	-24.4	-24.8	-23.7	-20.4	-21.0	-19.7
7000	-27.2	-28.0	-25.9	-23.2	-24.2	-22.0	-19.0	-20.2	-17.2

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Note: Units are in dBc.

Tone Spacing = 1 MHz

TEST CONDITIONS: V_{DD} = +28 V, Temperature = +25°C

TEST CONDITIONS: VDD = 28V @ Temperature = +25°C

FREQ	Output-IM5 at P_{OUT} = +18 dBm/tone I_{DD} = 400 mA	Output-IM5 at P_{OUT} = +18 dBm/tone I_{DD} = 300 mA	Output-IM5 at P_{OUT} = +18 dBm/tone I_{DD} = 200 mA	Output-IM5 at P_{OUT} = +18 dBm/tone I_{DD} = 100 mA	Output-IM5 at P_{OUT} = +20 dBm/tone I_{DD} = 400 mA	Output-IM5 at P_{OUT} = +20 dBm/tone I_{DD} = 300 mA	Output-IM5 at P_{OUT} = +20 dBm/tone I_{DD} = 200 mA	Output-IM5 at P_{OUT} = +20 dBm/tone I_{DD} = 100 mA	Output-IM5 at P_{OUT} = +22 dBm/tone I_{DD} = 400 mA	Output-IM5 at P_{OUT} = +22 dBm/tone I_{DD} = 300 mA	Output-IM5 at P_{OUT} = +22 dBm/tone I_{DD} = 200 mA	Output-IM5 at P_{OUT} = +22 dBm/tone I_{DD} = 100 mA
(MHz)	+18				+20				+22			
10	-50.4	-50.0	-42.6	-58.0	-47.5	-55.1	-49.2	-48.3	-61.2	-53.3	-51.8	-48.6
100	-65.3	-69.7	-66.5	-68.4	-66.2	-63.2	-63.8	-58.6	-64.0	-70.0	-63.6	-46.6
500	-77.4	-74.9	-73.8	-64.7	-80.3	-74.6	-74.2	-52.4	-76.5	-71.3	-63.4	-43.1
600	-75.3	-68.3	-76.8	-66.2	-73.6	-77.3	-72.3	-50.3	-75.4	-73.3	-62.7	-42.5
800	-68.6	-76.2	-73.0	-67.9	-73.5	-75.7	-71.0	-53.4	-75.2	-72.5	-65.2	-45.1
1000	-70.4	-73.4	-70.4	-58.9	-77.4	-76.2	-66.2	-48.4	-74.8	-66.6	-64.1	-41.0
1200	-70.4	-74.7	-73.1	-59.7	-76.6	-67.6	-59.6	-54.0	-73.2	-66.4	-63.4	-44.1
1400	-70.6	-74.7	-73.0	-62.5	-75.8	-68.0	-59.0	-57.8	-73.0	-68.0	-64.2	-50.6
1600	-70.7	-74.7	-73.0	-65.4	-74.9	-68.3	-58.4	-61.7	-72.9	-69.5	-65.0	-57.1
1800	-71.1	-73.2	-70.2	-70.2	-73.9	-77.6	-63.8	-63.8	-74.2	-72.8	-67.2	-67.2
2000	-73.1	-73.6	-70.0	-60.6	-75.5	-74.6	-63.8	-53.3	-72.2	-67.9	-63.5	-52.7
2200	-75.2	-74.0	-69.7	-51.0	-77.1	-71.7	-63.9	-42.7	-70.2	-63.0	-59.8	-38.2
2400	-79.1	-73.7	-69.2	-51.0	-80.7	-70.2	-65.3	-44.4	-71.0	-62.8	-59.1	-39.6
2600	-76.2	-73.3	-67.0	-49.8	-80.2	-70.3	-65.3	-42.9	-67.9	-61.0	-57.3	-38.5
2800	-70.7	-75.8	-68.5	-48.9	-72.5	-69.2	-64.4	-42.3	-67.5	-61.4	-54.5	-37.7
3000	-72.5	-72.6	-65.5	-48.1	-71.9	-67.2	-59.7	-40.4	-72.8	-59.8	-54.8	-36.2
3200	-73.7	-70.5	-63.3	-46.6	-71.7	-65.6	-56.7	-38.4	-66.7	-58.9	-55.1	-34.7
3400	-77.3	-69.2	-62.6	-43.7	-71.7	-69.2	-56.0	-35.7	-65.4	-56.0	-55.2	-32.7
3600	-75.3	-71.4	-63.3	-44.9	-73.9	-69.6	-55.9	-36.2	-68.0	-56.7	-59.0	-32.8
3800	-73.4	-73.6	-64.0	-46.2	-76.1	-70.1	-55.9	-36.8	-70.5	-57.3	-62.8	-33.0
4000	-79.2	-72.0	-58.9	-41.5	-73.6	-63.4	-54.9	-34.9	-66.1	-53.6	-52.4	-32.5
4200	-71.5	-71.8	-59.2	-41.0	-71.0	-63.8	-53.4	-34.9	-65.9	-53.5	-50.8	-32.6
4400	-76.0	-71.6	-59.5	-40.5	-74.2	-64.2	-51.8	-34.9	-65.8	-53.3	-49.2	-32.7
4600	-75.7	-72.7	-60.0	-41.4	-70.8	-64.4	-52.1	-35.4	-65.5	-53.4	-50.6	-33.1
4800	-70.1	-73.8	-60.4	-42.3	-76.6	-64.6	-52.3	-35.9	-65.3	-53.4	-52.0	-33.5
5000	-65.9	-74.4	-62.5	-44.4	-72.2	-65.3	-53.5	-37.2	-67.3	-54.3	-57.0	-34.6
5200	-68.9	-68.3	-63.5	-46.8	-76.2	-69.6	-54.2	-38.3	-64.9	-56.7	-70.8	-35.3
5400	-70.9	-69.0	-61.6	-44.8	-71.3	-66.2	-54.5	-38.1	-65.5	-55.4	-56.4	-35.5
5600	-73.4	-70.6	-65.5	-49.0	-79.5	-69.8	-55.9	-39.7	-68.7	-57.8	-76.7	-36.4
5800	-76.6	-72.2	-62.9	-48.5	-79.6	-66.5	-55.9	-39.9	-67.8	-58.4	-64.1	-36.4
6000	-74.1	-68.1	-62.9	-48.5	-72.7	-66.4	-56.7	-39.7	-64.4	-57.0	-62.4	-36.2
6500	-72.7	-69.8	-62.5	-49.8	-71.0	-64.2	-56.7	-41.4	-68.4	-55.5	-56.2	-37.2
7000	-70.0	-69.8	-57.6	-45.5	-71.6	-57.0	-58.7	-41.5	-56.3	-59.6	-46.0	-39.1

Note: Units are in dBc.

Tone Spacing = 1 MHz

TEST CONDITIONS: V_{DD} = +28 V, Temperature = +25°C

FREQ	Output-IM5 at P_{OUT} = +26 dBm/tone I_{DD} = 400 mA	Output-IM5 at P_{OUT} = +26 dBm/tone I_{DD} = 300 mA	Output-IM5 at P_{OUT} = +26 dBm/tone I_{DD} = 200 mA	Output-IM5 at P_{OUT} = +26 dBm/tone I_{DD} = 100 mA	Output-IM5 at P_{OUT} = +28 dBm/tone I_{DD} = 400 mA	Output-IM5 at P_{OUT} = +28 dBm/tone I_{DD} = 300 mA	Output-IM5 at P_{OUT} = +28 dBm/tone I_{DD} = 200 mA	Output-IM5 at P_{OUT} = +28 dBm/tone I_{DD} = 100 mA	Output-IM5 at P_{OUT} = +30 dBm/tone I_{DD} = 400 mA	Output-IM5 at P_{OUT} = +30 dBm/tone I_{DD} = 300 mA	Output-IM5 at P_{OUT} = +30 dBm/tone I_{DD} = 200 mA	Output-IM5 at P_{OUT} = +30 dBm/tone I_{DD} = 100 mA
(MHz)	+26				+28				+30			
10	-50.4	-53.0	-75.7	-36.4	-61.7	-53.2	-42.7	-35.1	-41.3	-41.7	-42.5	-44.0
100	-68.7	-60.4	-54.2	-35.6	-60.1	-55.7	-38.7	-35.4	-50.7	-43.8	-33.7	-36.6
500	-64.3	-57.1	-45.1	-36.8	-53.7	-53.4	-38.0	-37.2	-40.6	-41.0	-42.1	-42.8
600	-61.3	-56.4	-43.8	-36.8	-52.0	-49.8	-37.6	-37.5	-38.9	-39.0	-39.8	-40.5
800	-62.9	-58.1	-46.5	-38.7	-51.9	-51.5	-52.8	-58.9	-43.1	-42.4	-43.1	-47.2
1000	-59.0	-59.6	-42.0	-36.1	-54.7	-46.5	-36.0	-36.6	-43.9	-42.9	-43.9	-49.2
1200	-59.8	-58.3	-48.3	-39.2	-49.6	-49.8	-42.1	-41.7	-41.2	-43.2	-45.5	-48.1
1400	-61.4	-58.6	-48.2	-40.6	-47.8	-50.2	-44.3	-43.7	-40.4	-42.8	-44.1	-45.3
1600	-63.0	-59.0	-48.1	-42.0	-46.0	-50.6	-46.5	-45.8	-39.6	-42.3	-42.7	-42.6
1800	-65.5	-61.0	-41.7	-41.7	-47.7	-48.0	-44.8	-44.8	-40.7	-40.9	-38.2	-38.2
2000	-62.0	-54.4	-41.9	-41.6	-47.2	-45.1	-42.3	-43.5	-40.2	-38.5	-36.6	-38.7
2200	-58.5	-47.8	-42.1	-41.5	-46.8	-42.1	-39.8	-42.2	-39.7	-36.0	-35.0	-39.2
2400	-61.3	-52.3	-39.4	-37.1	-48.8	-43.2	-40.0	-41.8	-41.3	-36.8	-35.1	-38.7
2600	-56.6	-52.6	-38.0	-36.9	-49.6	-40.8	-36.3	-37.8	-41.0	-33.9	-31.3	-33.7
2800	-55.9	-50.9	-38.1	-38.4	-50.3	-40.0	-34.6	-34.7	-41.3	-32.8	-28.8	-30.9
3000	-53.4	-51.3	-36.3	-38.0	-49.2	-38.2	-33.6	-33.9	-39.5	-31.2	-27.8	-30.9
3200	-51.8	-50.6	-34.2	-34.3	-52.6	-36.7	-32.0	-36.1	-36.5	-34.6	-34.4	-36.8
3400	-50.7	-47.7	-32.1	-33.0	-51.1	-33.8	-30.4	-39.0	-34.5	-31.8	-31.4	-34.3
3600	-50.3	-50.0	-32.5	-32.6	-53.8	-34.3	-30.4	-36.4	-35.2	-32.5	-32.1	-36.1
3800	-49.9	-52.3	-32.8	-32.2	-56.6	-34.9	-30.4	-33.8	-35.9	-33.1	-32.9	-37.8
4000	-48.3	-42.0	-31.7	-32.8	-44.3	-32.4	-30.4	-34.6	-33.1	-30.8	-31.0	-33.7
4200	-47.7	-41.1	-31.8	-33.2	-43.1	-32.4	-32.8	-36.2	-32.9	-30.8	-30.7	-33.6
4400	-47.1	-40.1	-32.0	-33.6	-41.8	-32.4	-35.1	-37.9	-32.7	-30.7	-30.5	-33.6
4600	-46.9	-41.0	-32.4	-34.0	-42.6	-34.4	-35.1	-38.0	-32.8	-30.5	-30.1	-33.2
4800	-46.6	-41.9	-32.8	-34.4	-43.3	-36.4	-35.0	-38.1	-32.9	-30.3	-29.7	-32.8
5000	-47.2	-44.9	-34.1	-34.8	-47.3	-34.8	-35.6	-38.1	-34.3	-31.4	-30.7	-33.5
5200	-47.4	-47.1	-34.7	-35.0	-42.0	-37.2	-35.0	-37.6	-35.0	-30.9	-29.5	-32.1
5400	-48.8	-44.6	-34.6	-35.4	-46.0	-35.4	-33.2	-37.2	-35.4	-33.2	-33.1	-36.2
5600	-49.2	-49.5	-35.8	-35.8	-52.7	-37.0	-33.9	-38.0	-36.8	-34.3	-34.2	-38.1
5800	-49.6	-48.0	-35.7	-35.7	-49.4	-36.7	-33.9	-38.1	-36.6	-33.7	-33.2	-36.9
6000	-50.0	-47.4	-35.4	-35.4	-48.2	-36.4	-33.4	-39.8	-35.8	-32.6	-31.7	-34.9
6500	-52.9	-45.9	-36.3	-35.4	-43.4	-37.4	-34.3	-35.3	-35.8	-30.7	-28.4	-30.8
7000	-48.3	-41.2	-37.4	-38.5	-40.1	-36.2	-34.0	-34.5	-33.0	-30.1	-28.5	-31.3

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Note: Units are in dBc.

Tone Spacing = 1 MHz

TEST CONDITIONS: V_{DD} = +28 V, I_{DD} = 400 mA, V_G = -1.6 V, I_G = 0.01 mA

FREQ	Output-IM5 at P_{OUT} = +18 dBm/tone Temperature = +25°C	Output-IM5 at P_{OUT} = +18 dBm/tone Temperature = -55°C	Output-IM5 at P_{OUT} = +18 dBm/tone Temperature = +95°C	Output-IM5 at P_{OUT} = +20 dBm/tone Temperature = +25°C	Output-IM5 at P_{OUT} = +20 dBm/tone Temperature = -55°C	Output-IM5 at P_{OUT} = +20 dBm/tone Temperature = +95°C	Output-IM5 at P_{OUT} = +22 dBm/tone Temperature = +25°C	Output-IM5 at P_{OUT} = +22 dBm/tone Temperature = -55°C	Output-IM5 at P_{OUT} = +22 dBm/tone Temperature = +95°C	Output-IM5 at P_{OUT} = +24 dBm/tone Temperature = +25°C	Output-IM5 at P_{OUT} = +24 dBm/tone Temperature = -55°C	Output-IM5 at P_{OUT} = +24 dBm/tone Temperature = +95°C
(MHz)	+18			+20			+22			+24		
10	-50.4	-49.6	-49.0	-47.5	-57.5	-47.1	-61.2	-69.9	-54.5	-53.2	-57.9	-57.5
100	-65.3	-63.3	-60.7	-66.2	-62.0	-65.6	-64.0	-71.2	-68.1	-72.8	-67.8	-66.5
500	-77.4	-70.2	-69.4	-80.3	-71.7	-76.0	-76.5	-73.1	-73.1	-72.6	-71.3	-71.3
600	-75.3	-71.8	-69.2	-73.6	-75.8	-70.8	-75.4	-77.9	-71.8	-69.8	-67.9	-78.4
800	-68.6	-73.7	-68.0	-73.5	-87.7	-65.9	-75.2	-73.5	-68.3	-72.3	-68.0	-73.6
1000	-70.4	-74.6	-70.1	-77.4	-77.0	-80.5	-74.8	-70.0	-73.8	-71.7	-64.2	-73.1
1200	-70.4	-74.0	-70.6	-76.6	-77.0	-75.9	-73.2	-73.2	-72.2	-64.4	-64.7	-71.2
1400	-70.4	-73.3	-71.0	-75.8	-77.0	-71.4	-71.6	-76.5	-70.6	-57.0	-65.3	-69.2
1600	-70.7	-74.1	-75.1	-74.9	-74.9	-72.8	-72.9	-74.6	-71.4	-60.0	-63.1	-66.8
1800	-71.1	-75.0	-79.1	-73.9	-72.7	-74.3	-74.2	-72.7	-72.2	-63.0	-60.9	-64.5
2000	-73.1	-74.0	-74.7	-75.5	-75.3	-72.0	-72.2	-70.5	-71.5	-62.2	-60.1	-62.8
2200	-75.2	-73.0	-70.2	-77.1	-77.9	-69.8	-70.2	-68.2	-70.7	-61.5	-59.4	-61.2
2400	-79.1	-71.7	-74.1	-80.7	-73.1	-76.1	-71.0	-70.3	-71.7	-61.4	-59.7	-62.3
2600	-76.2	-74.0	-75.3	-80.2	-75.2	-73.9	-67.9	-66.1	-69.5	-66.8	-58.0	-65.3
2800	-70.7	-71.4	-71.7	-72.5	-78.5	-77.9	-67.5	-66.4	-68.6	-60.0	-61.4	-59.9
3000	-72.5	-74.3	-73.8	-71.9	-74.8	-78.4	-72.8	-69.6	-69.5	-59.8	-63.7	-60.1
3200	-73.7	-75.1	-74.9	-71.7	-78.9	-71.7	-66.7	-64.8	-69.5	-57.6	-54.7	-58.5
3400	-77.3	-69.7	-76.9	-71.7	-76.0	-73.5	-65.4	-64.3	-66.2	-55.8	-53.9	-56.8
3600	-76.3	-72.2	-72.5	-74.9	-77.7	-73.1	-67.7	-65.1	-66.2	-57.3	-54.8	-57.8
3800	-73.4	-70.8	-71.8	-76.1	-74.7	-71.7	-70.5	-65.3	-68.2	-58.4	-55.2	-57.8
4000	-79.2	-75.2	-73.9	-73.6	-74.1	-69.7	-66.1	-62.2	-65.4	-54.3	-51.4	-54.6
4200	-71.5	-71.2	-67.0	-71.0	-75.8	-75.7	-65.9	-66.6	-64.6	-53.9	-57.1	-60.1
4400	-76.0	-73.5	-69.4	-74.2	-74.3	-67.0	-65.8	-62.6	-63.6	-53.6	-50.4	-52.7
4600	-75.7	-73.0	-74.6	-70.8	-67.7	-71.1	-65.5	-64.7	-68.8	-53.7	-53.6	-58.7
4800	-70.1	-71.8	-77.5	-76.6	-68.2	-72.8	-65.3	-62.5	-63.7	-53.8	-50.2	-54.9
5000	-65.9	-66.8	-69.6	-72.2	-67.7	-76.9	-67.3	-64.3	-65.9	-55.8	-51.5	-56.8
5200	-68.9	-72.6	-65.6	-76.2	-71.3	-68.7	-64.9	-65.7	-69.2	-57.7	-53.7	-57.6
5400	-70.9	-67.9	-67.3	-71.3	-68.7	-70.6	-65.5	-63.5	-64.9	-55.9	-51.4	-56.7
5600	-73.4	-72.6	-68.8	-79.5	-70.9	-68.1	-68.7	-62.6	-63.7	-58.0	-53.8	-57.4
5800	-76.6	-77.0	-64.7	-79.6	-70.8	-65.7	-67.8	-67.6	-63.5	-57.1	-53.5	-56.4
6000	-74.1	-75.4	-66.9	-72.7	-76.6	-66.1	-64.4	-66.0	-61.4	-56.3	-53.3	-55.3
6500	-72.7	-69.8	-64.3	-71.0	-72.2	-62.6	-68.4	-62.6	-58.0	-54.2	-52.9	-51.5
7000	-70.0	-70.1	-59.6	-71.6	-64.4	-58.5	-56.3	-55.9	-52.8	-56.5	-56.1	-54.2

Note: Units are in dBc.

Tone Spacing = 1 MHz

TEST CONDITIONS: V_{DD} = +28 V, I_{DD} = 400 mA, V_G = -1.6 V, I_G = 0.01 mA

FREQ	Output-IM5 at P_{OUT} = +26 dBm/tone Temperature = +25°C	Output-IM5 at P_{OUT} = +26 dBm/tone Temperature = -55°C	Output-IM5 at P_{OUT} = +26 dBm/tone Temperature = +95°C	Output-IM5 at P_{OUT} = +28 dBm/tone Temperature = +25°C	Output-IM5 at P_{OUT} = +28 dBm/tone Temperature = -55°C	Output-IM5 at P_{OUT} = +28 dBm/tone Temperature = +95°C	Output-IM5 at P_{OUT} = +30 dBm/tone Temperature = +25°C	Output-IM5 at P_{OUT} = +30 dBm/tone Temperature = -55°C	Output-IM5 at P_{OUT} = +30 dBm/tone Temperature = +95°C
(MHz)		+26			+28			+30	
10	-50.4	-54.8	-59.2	-61.7	-57.0	-62.0	-41.3	-41.8	-51.9
100	-68.7	-66.0	-68.5	-60.1	-55.5	-61.4	-50.7	-51.7	-52.0
500	-64.3	-60.2	-67.6	-53.7	-53.2	-55.7	-40.6	-41.4	-60.8
600	-61.3	-58.2	-66.5	-52.0	-53.4	-46.7	-38.9	-39.5	-54.9
800	-62.9	-60.1	-69.3	-51.9	-51.7	-52.4	-43.1	-43.0	-59.7
1000	-59.0	-55.7	-60.3	-54.7	-53.8	-53.8	-43.9	-44.3	-50.7
1200	-59.8	-56.2	-61.3	-49.6	-52.2	-51.6	-41.2	-43.6	-50.4
1400	-60.5	-56.7	-62.3	-44.4	-50.6	-49.4	-38.5	-42.8	-50.0
1600	-63.0	-55.7	-64.3	-46.0	-49.4	-48.0	-39.6	-41.8	-45.3
1800	-65.5	-54.6	-66.3	-47.7	-48.1	-46.5	-40.7	-40.8	-40.6
2000	-62.0	-56.0	-63.9	-47.2	-47.1	-47.1	-40.2	-40.0	-40.2
2200	-58.5	-57.3	-61.5	-46.8	-46.2	-47.7	-39.7	-39.3	-39.9
2400	-61.3	-60.1	-57.1	-48.8	-47.8	-50.3	-41.3	-40.6	-42.1
2600	-56.6	-57.4	-56.0	-49.6	-46.4	-53.5	-41.0	-38.8	-42.8
2800	-55.9	-56.2	-56.0	-50.3	-46.4	-52.3	-41.3	-38.6	-43.9
3000	-53.4	-53.0	-52.9	-49.2	-44.6	-52.6	-39.5	-37.0	-41.7
3200	-51.8	-52.0	-51.5	-52.6	-50.1	-54.1	-36.5	-37.1	-36.7
3400	-50.7	-50.7	-51.1	-51.1	-47.2	-40.9	-34.5	-34.7	-33.9
3600	-49.9	-49.5	-50.5	-58.4	-53.8	-60.6	-34.4	-34.6	-34.4
3800	-49.9	-49.9	-50.2	-56.6	-51.1	-58.6	-35.9	-35.7	-35.7
4000	-48.3	-47.7	-49.3	-44.3	-41.0	-39.3	-33.1	-33.5	-32.4
4200	-47.7	-48.5	-50.4	-43.1	-55.2	-54.4	-32.9	-36.6	-36.6
4400	-47.1	-48.0	-48.3	-41.8	-39.1	-39.0	-32.7	-33.4	-32.1
4600	-46.9	-46.1	-47.0	-42.6	-45.3	-42.7	-32.8	-33.8	-34.5
4800	-46.6	-47.7	-47.1	-43.3	-40.2	-40.3	-32.9	-33.7	-33.0
5000	-47.2	-48.0	-47.6	-47.3	-42.1	-42.5	-34.3	-34.3	-35.0
5200	-47.4	-47.1	-48.1	-42.0	-44.0	-45.1	-35.0	-34.4	-36.2
5400	-48.8	-50.7	-48.5	-46.0	-41.6	-47.6	-35.4	-35.7	-35.6
5600	-49.2	-49.1	-49.6	-52.7	-45.8	-52.9	-36.8	-37.4	-37.2
5800	-49.6	-50.4	-49.1	-49.4	-44.4	-49.8	-36.6	-37.1	-37.0
6000	-50.0	-50.5	-49.1	-48.2	-43.9	-43.9	-35.8	-36.4	-36.2
6500	-52.9	-53.3	-52.3	-43.4	-44.7	-43.7	-35.8	-35.5	-35.0
7000	-48.3	-49.5	-46.0	-40.1	-42.0	-38.0	-33.0	-35.5	-30.3

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Note: Units are in dB.

TEST CONDITIONS: V_{DD} = +28 V, Temperature = +25°C

FREQ	Gain at P_{IN} = +10 dBm I_{DD} = 400 mA	Gain at P_{IN} = +10 dBm I_{DD} = 300 mA	Gain at P_{IN} = +10 dBm I_{DD} = 200 mA	Gain at P_{IN} = +10 dBm I_{DD} = 100 mA	Gain at P_{IN} = +15 dBm I_{DD} = 400 mA	Gain at P_{IN} = +15 dBm I_{DD} = 300 mA	Gain at P_{IN} = +15 dBm I_{DD} = 200 mA	Gain at P_{IN} = +15 dBm I_{DD} = 100 mA	Gain at P_{IN} = +18 dBm I_{DD} = 400 mA	Gain at P_{IN} = +18 dBm I_{DD} = 300 mA	Gain at P_{IN} = +18 dBm I_{DD} = 200 mA	Gain at P_{IN} = +18 dBm I_{DD} = 100 mA
(MHz)	+10				+15				+18			
10	18.9	18.9	18.3	16.5	18.7	18.2	17.1	15.4	18.0	17.2	16.2	14.8
100	17.8	17.7	17.2	15.5	17.6	17.2	16.2	14.5	17.2	16.4	15.3	13.9
500	19.5	19.4	18.7	17.2	19.0	18.5	17.6	16.3	18.2	17.6	16.8	15.8
1000	17.4	17.4	16.9	15.5	17.2	16.8	16.0	14.7	16.6	16.0	15.2	14.2
2000	17.8	17.7	17.1	15.7	17.3	16.8	16.1	15.0	16.5	16.0	15.4	14.6
3000	17.1	17.0	16.4	14.8	16.6	16.1	15.2	13.9	15.8	15.1	14.4	13.5
4000	16.1	16.0	15.4	13.7	15.6	15.0	14.0	12.6	14.7	14.0	13.1	12.0
5000	15.7	15.7	15.3	13.9	15.4	14.9	14.1	13.0	14.6	14.1	13.4	12.6
6000	15.0	15.0	14.8	13.6	14.8	14.5	13.9	12.8	14.3	13.8	13.2	12.3
7000	12.1	12.2	12.3	11.9	12.2	12.2	12.1	11.5	12.0	12.0	11.8	11.3

FREQ	Gain at P_{IN} = +20 dBm I_{DD} = 400 mA	Gain at P_{IN} = +20 dBm I_{DD} = 300 mA	Gain at P_{IN} = +20 dBm I_{DD} = 200 mA	Gain at P_{IN} = +20 dBm I_{DD} = 100 mA	Gain at P_{IN} = +22 dBm I_{DD} = 400 mA	Gain at P_{IN} = +22 dBm I_{DD} = 300 mA	Gain at P_{IN} = +22 dBm I_{DD} = 200 mA	Gain at P_{IN} = +22 dBm I_{DD} = 100 mA	Gain at P_{IN} = +24 dBm I_{DD} = 400 mA	Gain at P_{IN} = +24 dBm I_{DD} = 300 mA	Gain at P_{IN} = +24 dBm I_{DD} = 200 mA	Gain at P_{IN} = +24 dBm I_{DD} = 100 mA
(MHz)	+20				+22				+24			
10	17.2	16.4	15.5	14.4	16.3	15.6	14.9	13.9	15.0	14.5	14.0	13.3
100	16.4	15.6	14.7	13.5	15.6	14.9	14.1	13.1	14.5	14.0	13.4	12.7
500	17.5	16.9	16.3	15.4	16.6	16.1	15.6	15.0	15.3	15.0	14.7	14.3
1000	16.0	15.4	14.7	13.9	15.3	14.8	14.2	13.6	14.5	14.1	13.7	13.2
2000	15.9	15.4	14.9	14.3	15.2	14.8	14.4	13.9	14.3	14.0	13.7	13.4
3000	15.0	14.5	13.9	13.1	14.3	13.8	13.3	12.8	13.4	13.0	12.7	12.2
4000	13.9	13.3	12.6	11.7	13.1	12.5	12.0	11.3	12.2	11.8	11.3	10.8
5000	14.0	13.5	13.0	12.3	13.3	12.9	12.5	12.0	12.6	12.3	11.9	11.5
6000	13.7	13.3	12.7	12.0	13.1	12.7	12.2	11.7	12.4	12.0	11.7	11.3
7000	11.8	11.7	11.5	11.1	11.4	11.3	11.1	10.8	10.9	10.8	10.6	10.4

FREQ	Gain at P_{IN} = +26 dBm I_{DD} = 400 mA	Gain at P_{IN} = +26 dBm I_{DD} = 300 mA	Gain at P_{IN} = +26 dBm I_{DD} = 200 mA	Gain at P_{IN} = +26 dBm I_{DD} = 100 mA	Gain at P_{IN} = +28 dBm I_{DD} = 400 mA	Gain at P_{IN} = +28 dBm I_{DD} = 300 mA	Gain at P_{IN} = +28 dBm I_{DD} = 200 mA	Gain at P_{IN} = +28 dBm I_{DD} = 100 mA	Gain at P_{IN} = +30 dBm I_{DD} = 400 mA	Gain at P_{IN} = +30 dBm I_{DD} = 300 mA	Gain at P_{IN} = +30 dBm I_{DD} = 200 mA	Gain at P_{IN} = +30 dBm I_{DD} = 100 mA
(MHz)	+26				+28				+30			
10	13.5	13.1	12.7	12.2	11.6	11.3	11.0	10.7	9.7	9.4	9.2	8.9
100	13.1	12.7	12.3	11.8	11.4	11.2	10.9	10.5	9.6	9.3	9.1	8.9
500	13.7	13.5	13.3	13.0	11.9	11.8	11.7	11.5	10.0	9.9	9.8	9.7
1000	13.4	13.1	12.9	12.5	12.0	11.8	11.6	11.4	10.3	10.2	10.1	10.0
2000	13.0	12.8	12.7	12.5	11.4	11.3	11.2	11.0	9.6	9.5	9.4	9.3
3000	12.2	12.0	11.7	11.5	10.7	10.5	10.4	10.2	9.0	8.8	8.7	8.6
4000	11.2	10.9	10.6	10.2	10.1	9.8	9.5	9.2	8.6	8.4	8.3	8.0
5000	11.7	11.4	11.2	10.9	10.5	10.3	10.2	10.0	9.1	9.0	8.9	8.7
6000	11.5	11.2	11.0	10.6	10.3	10.1	10.0	9.8	8.9	8.8	8.7	8.6
7000	10.1	10.0	9.9	9.7	9.0	8.9	8.9	8.7	7.7	7.6	7.6	7.5

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Note: Units are in dB.

TEST CONDITIONS: V_{DD} = +28 V, I_{DD} = 400 mA, V_G = -1.6 V, I_G = 0.01 mA

FREQ	Gain at P_{IN} = +10 dBm Temperature = +25°C	Gain at P_{IN} = +10 dBm Temperature = -55°C	Gain at P_{IN} = +10 dBm Temperature = +95°C	Gain at P_{IN} = +15 dBm Temperature = +25°C	Gain at P_{IN} = +15 dBm Temperature = -55°C	Gain at P_{IN} = +15 dBm Temperature = +95°C	Gain at P_{IN} = +18 dBm Temperature = +25°C	Gain at P_{IN} = +18 dBm Temperature = -55°C	Gain at P_{IN} = +18 dBm Temperature = +95°C
(MHz)		+10			+15			+18	
10	18.9	20.4	17.6	18.7	19.7	17.5	18.0	18.7	17.1
100	17.8	19.1	16.5	17.6	18.7	16.5	17.2	17.8	16.2
500	19.5	20.8	18.2	19.0	19.9	18.0	18.2	19.0	17.4
1000	17.4	18.8	16.1	17.2	18.2	16.0	16.6	17.4	15.6
2000	17.8	19.1	16.5	17.3	18.3	16.2	16.5	17.4	15.6
3000	17.1	18.5	15.7	16.6	17.7	15.4	15.8	16.6	14.8
4000	16.1	17.5	14.6	15.6	16.7	14.4	14.7	15.6	13.7
5000	15.7	16.9	14.5	15.4	16.3	14.3	14.6	15.4	13.8
6000	15.0	16.4	13.6	14.8	15.9	13.5	14.3	15.2	13.2
7000	12.1	13.8	10.4	12.2	13.8	10.6	12.0	13.5	10.5

FREQ	Gain at P_{IN} = +20 dBm Temperature = +25°C	Gain at P_{IN} = +20 dBm Temperature = -55°C	Gain at P_{IN} = +20 dBm Temperature = +95°C	Gain at P_{IN} = +22 dBm Temperature = +25°C	Gain at P_{IN} = +22 dBm Temperature = -55°C	Gain at P_{IN} = +22 dBm Temperature = +95°C	Gain at P_{IN} = +24 dBm Temperature = +25°C	Gain at P_{IN} = +24 dBm Temperature = -55°C	Gain at P_{IN} = +24 dBm Temperature = +95°C
(MHz)		+20			+22			+24	
10	17.2	17.9	16.5	16.3	16.8	15.7	15.0	15.4	14.6
100	16.4	17.0	15.7	15.6	16.1	15.0	14.5	14.9	14.0
500	17.5	18.1	16.8	16.6	17.1	16.0	15.3	15.7	14.8
1000	16.0	16.8	15.1	15.3	16.0	14.4	14.5	15.1	13.7
2000	15.9	16.7	15.0	15.2	15.9	14.3	14.3	14.9	13.5
3000	15.0	15.9	14.1	14.3	15.1	13.3	13.4	14.1	12.5
4000	13.9	14.8	13.0	13.1	14.0	12.2	12.2	13.1	11.4
5000	14.0	14.7	13.2	13.3	14.1	12.5	12.6	13.3	11.8
6000	13.7	14.6	12.7	13.1	13.9	12.1	12.4	13.2	11.4
7000	11.8	13.2	10.4	11.4	12.7	10.1	10.9	12.1	9.6

FREQ	Gain at P_{IN} = +26 dBm Temperature = +25°C	Gain at P_{IN} = +26 dBm Temperature = -55°C	Gain at P_{IN} = +26 dBm Temperature = +95°C	Gain at P_{IN} = +28 dBm Temperature = +25°C	Gain at P_{IN} = +28 dBm Temperature = -55°C	Gain at P_{IN} = +28 dBm Temperature = +95°C	Gain at P_{IN} = +30 dBm Temperature = +25°C	Gain at P_{IN} = +30 dBm Temperature = -55°C	Gain at P_{IN} = +30 dBm Temperature = +95°C
(MHz)		+26			+28			+30	
10	13.5	13.8	13.1	11.6	11.9	11.3	9.7	9.9	9.3
100	13.1	13.5	12.7	11.4	11.8	11.1	9.6	9.8	9.2
500	13.7	14.1	13.3	11.9	12.2	11.5	10.0	10.3	9.7
1000	13.4	13.9	12.7	12.0	12.4	11.4	10.3	10.6	9.8
2000	13.0	13.4	12.4	11.4	11.6	10.9	9.6	9.8	9.1
3000	12.2	12.8	11.5	10.7	11.2	10.1	9.0	9.3	8.4
4000	11.2	12.1	10.4	10.1	10.8	9.2	8.6	9.1	7.9
5000	11.7	12.3	10.9	10.5	11.0	9.8	9.1	9.5	8.4
6000	11.5	12.2	10.6	10.3	10.9	9.5	8.9	9.4	8.1
7000	10.1	11.1	8.9	9.0	9.9	7.9	7.7	8.4	6.7

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Note: Units are in dBm.

TEST CONDITIONS: V_{DD} = +28 V, Temperature = +25°C

FREQ	P_{OUT} at P_{IN} = +10 dBm I_{DD} = 400 mA	P_{OUT} at P_{IN} = +10 dBm I_{DD} = 300 mA	P_{OUT} at P_{IN} = +10 dBm I_{DD} = 200 mA	P_{OUT} at P_{IN} = +10 dBm I_{DD} = 100 mA	P_{OUT} at P_{IN} = +15 dBm I_{DD} = 400 mA	P_{OUT} at P_{IN} = +15 dBm I_{DD} = 300 mA	P_{OUT} at P_{IN} = +15 dBm I_{DD} = 200 mA	P_{OUT} at P_{IN} = +15 dBm I_{DD} = 100 mA	P_{OUT} at P_{IN} = +18 dBm I_{DD} = 400 mA	P_{OUT} at P_{IN} = +18 dBm I_{DD} = 300 mA	P_{OUT} at P_{IN} = +18 dBm I_{DD} = 200 mA	P_{OUT} at P_{IN} = +18 dBm I_{DD} = 100 mA
(MHz)	+10				+15				+18			
10	28.9	28.9	28.3	26.5	33.7	33.2	32.1	30.4	36.0	35.2	34.2	32.8
100	27.8	27.7	27.2	25.5	32.6	32.2	31.2	29.5	35.2	34.4	33.3	31.9
500	29.5	29.4	28.7	27.2	34.0	33.5	32.6	31.3	36.2	35.6	34.8	33.8
1000	27.4	27.4	26.9	25.5	32.2	31.8	31.0	29.7	34.6	34.0	33.2	32.2
2000	27.8	27.7	27.1	25.7	32.3	31.8	31.1	30.0	34.5	34.0	33.4	32.6
3000	27.1	27.0	26.4	24.8	31.6	31.1	30.2	28.9	33.8	33.1	32.4	31.5
4000	26.1	26.0	25.4	23.7	30.6	30.0	29.0	27.6	32.7	32.0	31.1	30.0
5000	25.7	25.7	25.3	23.9	30.4	29.9	29.1	28.0	32.6	32.1	31.4	30.6
6000	25.0	25.0	24.8	23.6	29.8	29.5	28.9	27.8	32.3	31.8	31.2	30.3
7000	22.1	22.2	22.3	21.9	27.2	27.2	27.1	26.5	30.0	30.0	29.8	29.3

FREQ	P_{OUT} at P_{IN} = +20 dBm I_{DD} = 400 mA	P_{OUT} at P_{IN} = +20 dBm I_{DD} = 300 mA	P_{OUT} at P_{IN} = +20 dBm I_{DD} = 200 mA	P_{OUT} at P_{IN} = +20 dBm I_{DD} = 100 mA	P_{OUT} at P_{IN} = +22 dBm I_{DD} = 400 mA	P_{OUT} at P_{IN} = +22 dBm I_{DD} = 300 mA	P_{OUT} at P_{IN} = +22 dBm I_{DD} = 200 mA	P_{OUT} at P_{IN} = +22 dBm I_{DD} = 100 mA	P_{OUT} at P_{IN} = +24 dBm I_{DD} = 400 mA	P_{OUT} at P_{IN} = +24 dBm I_{DD} = 300 mA	P_{OUT} at P_{IN} = +24 dBm I_{DD} = 200 mA	P_{OUT} at P_{IN} = +24 dBm I_{DD} = 100 mA
(MHz)	+20				+22				+24			
10	37.2	36.4	35.5	34.4	38.3	37.6	36.9	35.9	39.0	38.5	38.0	37.3
100	36.4	35.6	34.7	33.5	37.6	36.9	36.1	35.1	38.5	38.0	37.4	36.7
500	37.5	36.9	36.3	35.4	38.6	38.1	37.6	37.0	39.3	39.0	38.7	38.3
1000	36.0	35.4	34.7	33.9	37.3	36.8	36.2	35.6	38.5	38.1	37.7	37.2
2000	35.9	35.4	34.9	34.3	37.2	36.8	36.4	35.9	38.3	38.0	37.7	37.4
3000	35.0	34.5	33.9	33.1	36.3	35.8	35.3	34.8	37.4	37.0	36.7	36.2
4000	33.9	33.3	32.6	31.7	35.1	34.5	34.0	33.3	36.2	35.8	35.3	34.8
5000	34.0	33.5	33.0	32.3	35.3	34.9	34.5	34.0	36.6	36.3	35.9	35.5
6000	33.7	33.3	32.7	32.0	35.1	34.7	34.2	33.7	36.4	36.0	35.7	35.3
7000	31.8	31.7	31.5	31.1	33.4	33.3	33.1	32.8	34.9	34.8	34.6	34.4

FREQ	P_{OUT} at P_{IN} = +26 dBm I_{DD} = 400 mA	P_{OUT} at P_{IN} = +26 dBm I_{DD} = 300 mA	P_{OUT} at P_{IN} = +26 dBm I_{DD} = 200 mA	P_{OUT} at P_{IN} = +26 dBm I_{DD} = 100 mA	P_{OUT} at P_{IN} = +28 dBm I_{DD} = 400 mA	P_{OUT} at P_{IN} = +28 dBm I_{DD} = 300 mA	P_{OUT} at P_{IN} = +28 dBm I_{DD} = 200 mA	P_{OUT} at P_{IN} = +28 dBm I_{DD} = 100 mA	P_{OUT} at P_{IN} = +30 dBm I_{DD} = 400 mA	P_{OUT} at P_{IN} = +30 dBm I_{DD} = 300 mA	P_{OUT} at P_{IN} = +30 dBm I_{DD} = 200 mA	P_{OUT} at P_{IN} = +30 dBm I_{DD} = 100 mA
(MHz)	+26				+28				+30			
10	39.5	39.1	38.7	38.2	39.6	39.3	39.0	38.7	39.7	39.4	39.2	38.9
100	39.1	38.7	38.3	37.8	39.4	39.2	38.9	38.5	39.6	39.3	39.1	38.9
500	39.7	39.5	39.3	39.0	39.9	39.8	39.7	39.5	40.0	39.9	39.8	39.7
1000	39.4	39.1	38.9	38.5	40.0	39.8	39.6	39.4	40.3	40.2	40.1	40.0
2000	39.0	38.8	38.7	38.5	39.4	39.3	39.2	39.0	39.6	39.5	39.4	39.3
3000	38.2	38.0	37.7	37.5	38.7	38.5	38.4	38.2	39.0	38.8	38.7	38.6
4000	37.2	36.9	36.6	36.2	38.1	37.8	37.5	37.2	38.6	38.4	38.3	38.0
5000	37.7	37.4	37.2	36.9	38.5	38.3	38.2	38.0	39.1	39.0	38.9	38.7
6000	37.5	37.2	37.0	36.6	38.3	38.1	38.0	37.8	38.9	38.8	38.7	38.6
7000	36.1	36.0	35.9	35.7	37.0	36.9	36.9	36.7	37.7	37.6	37.6	37.5

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Note: Units are in dBm.

TEST CONDITIONS: I_{DD} = 400 mA, Temperature = +25°C

FREQ	P_{OUT} at P_{IN} = +10 dBm V_{DD} = +28 V	P_{OUT} at P_{IN} = +10 dBm V_{DD} = +24 V	P_{OUT} at P_{IN} = +10 dBm V_{DD} = +20 V	P_{OUT} at P_{IN} = +15 dBm V_{DD} = +28 V	P_{OUT} at P_{IN} = +15 dBm V_{DD} = +24 V	P_{OUT} at P_{IN} = +15 dBm V_{DD} = +20 V	P_{OUT} at P_{IN} = +18 dBm V_{DD} = +28 V	P_{OUT} at P_{IN} = +18 dBm V_{DD} = +24 V	P_{OUT} at P_{IN} = +18 dBm V_{DD} = +20 V
(MHz)	+10			+15			+18		
10	28.9	29.0	28.9	33.7	33.6	33.4	36.0	35.8	35.4
100	27.8	27.7	27.6	32.6	32.5	32.3	35.2	34.9	34.5
500	29.5	29.3	28.9	34.0	33.7	33.2	36.2	35.8	35.2
1000	27.4	27.3	26.9	32.2	32.0	31.6	34.6	34.3	33.9
2000	27.8	27.6	27.4	32.3	32.1	31.8	34.5	34.3	34.0
3000	27.1	27.1	26.9	31.6	31.5	31.3	33.8	33.6	33.4
4000	26.1	26.0	25.8	30.6	30.4	30.2	32.7	32.5	32.1
5000	25.7	25.6	25.4	30.4	30.2	29.9	32.6	32.4	32.0
6000	25.0	24.8	24.3	29.8	29.6	29.0	32.3	32.0	31.4
7000	22.1	21.2	19.9	27.2	26.3	24.9	30.0	29.2	27.9

FREQ	P_{OUT} at P_{IN} = +20 dBm V_{DD} = +28 V	P_{OUT} at P_{IN} = +20 dBm V_{DD} = +24 V	P_{OUT} at P_{IN} = +20 dBm V_{DD} = +20 V	P_{OUT} at P_{IN} = +22 dBm V_{DD} = +28 V	P_{OUT} at P_{IN} = +22 dBm V_{DD} = +24 V	P_{OUT} at P_{IN} = +22 dBm V_{DD} = +20 V	P_{OUT} at P_{IN} = +24 dBm V_{DD} = +28 V	P_{OUT} at P_{IN} = +24 dBm V_{DD} = +24 V	P_{OUT} at P_{IN} = +24 dBm V_{DD} = +20 V
(MHz)	+20			+22			+24		
10	37.2	36.9	36.3	38.3	37.7	36.8	39.0	38.2	37.2
100	36.4	36.1	35.6	37.6	37.1	36.3	38.5	37.8	36.7
500	37.5	37.0	36.3	38.6	37.9	36.9	39.3	38.4	37.3
1000	36.0	35.7	35.2	37.3	36.9	36.3	38.5	37.9	37.1
2000	35.9	35.6	35.3	37.2	36.9	36.3	38.3	37.8	36.9
3000	35.0	34.9	34.5	36.3	36.0	35.5	37.4	37.0	36.3
4000	33.9	33.7	33.3	35.1	34.8	34.4	36.2	36.0	35.5
5000	34.0	33.7	33.4	35.3	35.1	34.6	36.6	36.3	35.8
6000	33.7	33.4	32.8	35.1	34.7	34.1	36.4	36.0	35.2
7000	31.8	31.0	29.7	33.4	32.6	31.4	34.9	34.1	32.9

FREQ	P_{OUT} at P_{IN} = +26 dBm V_{DD} = +28 V	P_{OUT} at P_{IN} = +26 dBm V_{DD} = +24 V	P_{OUT} at P_{IN} = +26 dBm V_{DD} = +20 V	P_{OUT} at P_{IN} = +28 dBm V_{DD} = +28 V	P_{OUT} at P_{IN} = +28 dBm V_{DD} = +24 V	P_{OUT} at P_{IN} = +28 dBm V_{DD} = +20 V	P_{OUT} at P_{IN} = +30 dBm V_{DD} = +28 V	P_{OUT} at P_{IN} = +30 dBm V_{DD} = +24 V	P_{OUT} at P_{IN} = +30 dBm V_{DD} = +20 V
(MHz)	+26			+28			+30		
10	39.5	38.5	37.3	39.6	38.6	37.3	39.7	38.6	37.3
100	39.1	38.2	37.1	39.4	38.5	37.2	39.6	38.5	37.2
500	39.7	38.8	37.6	39.9	38.9	37.6	40.0	39.0	37.7
1000	39.4	38.7	37.7	40.0	39.2	38.0	40.3	39.4	38.1
2000	39.0	38.3	37.3	39.4	38.5	37.4	39.6	38.7	37.5
3000	38.2	37.7	36.8	38.7	38.0	37.0	39.0	38.2	37.1
4000	37.2	36.9	36.4	38.1	37.7	37.0	38.6	38.1	37.3
5000	37.7	37.3	36.7	38.5	38.1	37.3	39.1	38.5	37.5
6000	37.5	36.9	36.0	38.3	37.6	36.7	38.9	38.2	37.2
7000	36.1	35.3	34.2	37.0	36.2	35.1	37.7	36.9	35.8

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Note: Units are in dBm.

TEST CONDITIONS: V_{DD} = +28 V, I_{DD} = 400 mA, V_G = -1.6 V, I_G = 0.01 mA

FREQ	P_{OUT} at P_{IN} = +10 dBm Temperature = +25°C	P_{OUT} at P_{IN} = +10 dBm Temperature = -55°C	P_{OUT} at P_{IN} = +10 dBm Temperature = +95°C	P_{OUT} at P_{IN} = +15 dBm Temperature = +25°C	P_{OUT} at P_{IN} = +15 dBm Temperature = -55°C	P_{OUT} at P_{IN} = +15 dBm Temperature = +95°C	P_{OUT} at P_{IN} = +18 dBm Temperature = +25°C	P_{OUT} at P_{IN} = +18 dBm Temperature = -55°C	P_{OUT} at P_{IN} = +18 dBm Temperature = +95°C
(MHz)		+10			+15			+18	
10	28.9	30.4	27.6	33.7	34.7	32.5	36.0	36.7	35.1
100	27.8	29.1	26.5	32.6	33.7	31.5	35.2	35.8	34.2
500	29.5	30.8	28.2	34.0	34.9	33.0	36.2	37.0	35.4
1000	27.4	28.8	26.1	32.2	33.2	31.0	34.6	35.4	33.6
2000	27.8	29.1	26.5	32.3	33.3	31.2	34.5	35.4	33.6
3000	27.1	28.5	25.7	31.6	32.7	30.4	33.8	34.6	32.8
4000	26.1	27.5	24.6	30.6	31.7	29.4	32.7	33.6	31.7
5000	25.7	26.9	24.5	30.4	31.3	29.3	32.6	33.4	31.8
6000	25.0	26.4	23.6	29.8	30.9	28.5	32.3	33.2	31.2
7000	22.1	23.8	20.4	27.2	28.8	25.6	30.0	31.5	28.5

FREQ	P_{OUT} at P_{IN} = +20 dBm Temperature = +25°C	P_{OUT} at P_{IN} = +20 dBm Temperature = -55°C	P_{OUT} at P_{IN} = +20 dBm Temperature = +95°C	P_{OUT} at P_{IN} = +22 dBm Temperature = +25°C	P_{OUT} at P_{IN} = +22 dBm Temperature = -55°C	P_{OUT} at P_{IN} = +22 dBm Temperature = +95°C	P_{OUT} at P_{IN} = +24 dBm Temperature = +25°C	P_{OUT} at P_{IN} = +24 dBm Temperature = -55°C	P_{OUT} at P_{IN} = +24 dBm Temperature = +95°C
(MHz)		+20			+22			+24	
10	37.2	37.9	36.5	38.3	38.8	37.7	39.0	39.4	38.6
100	36.4	37.0	35.7	37.6	38.1	37.0	38.5	38.9	38.0
500	37.5	38.1	36.8	38.6	39.1	38.0	39.3	39.7	38.8
1000	36.0	36.8	35.1	37.3	38.0	36.4	38.5	39.1	37.7
2000	35.9	36.7	35.0	37.2	37.9	36.3	38.3	38.9	37.5
3000	35.0	35.9	34.1	36.3	37.1	35.3	37.4	38.1	36.5
4000	33.9	34.8	33.0	35.1	36.0	34.2	36.2	37.1	35.4
5000	34.0	34.7	33.2	35.3	36.1	34.5	36.6	37.3	35.8
6000	33.7	34.6	32.7	35.1	35.9	34.1	36.4	37.2	35.4
7000	31.8	33.2	30.4	33.4	34.7	32.1	34.9	36.1	33.6

FREQ	P_{OUT} at P_{IN} = +26 dBm Temperature = +25°C	P_{OUT} at P_{IN} = +26 dBm Temperature = -55°C	P_{OUT} at P_{IN} = +26 dBm Temperature = +95°C	P_{OUT} at P_{IN} = +28 dBm Temperature = +25°C	P_{OUT} at P_{IN} = +28 dBm Temperature = -55°C	P_{OUT} at P_{IN} = +28 dBm Temperature = +95°C	P_{OUT} at P_{IN} = +30 dBm Temperature = +25°C	P_{OUT} at P_{IN} = +30 dBm Temperature = -55°C	P_{OUT} at P_{IN} = +30 dBm Temperature = +95°C
(MHz)		+26			+28			+30	
10	39.5	39.8	39.1	39.6	39.9	39.3	39.7	39.9	39.3
100	39.1	39.5	38.7	39.4	39.8	39.1	39.6	39.8	39.2
500	39.7	40.1	39.3	39.9	40.2	39.5	40.0	40.3	39.7
1000	39.4	39.9	38.7	40.0	40.4	39.4	40.3	40.6	39.8
2000	39.0	39.4	38.4	39.4	39.6	38.9	39.6	39.8	39.1
3000	38.2	38.8	37.5	38.7	39.2	38.1	39.0	39.3	38.4
4000	37.2	38.1	36.4	38.1	38.8	37.2	38.6	39.1	37.9
5000	37.7	38.3	36.9	38.5	39.0	37.8	39.1	39.5	38.4
6000	37.5	38.2	36.6	38.3	38.9	37.5	38.9	39.4	38.1
7000	36.1	37.1	34.9	37.0	37.9	35.9	37.7	38.4	36.7

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Note: Units are in W.

TEST CONDITIONS: V_{DD} = +28 V, I_{DD} = 400 mA, V_G = -1.6 V, I_G = 0.01 mA

FREQ	P_{DISS} at P_{IN} = +10 dBm Temperature = +25°C	P_{DISS} at P_{IN} = +10 dBm Temperature = -55°C	P_{DISS} at P_{IN} = +10 dBm Temperature = +95°C	P_{DISS} at P_{IN} = +15 dBm Temperature = +25°C	P_{DISS} at P_{IN} = +15 dBm Temperature = -55°C	P_{DISS} at P_{IN} = +15 dBm Temperature = +95°C	P_{DISS} at P_{IN} = +18 dBm Temperature = +25°C	P_{DISS} at P_{IN} = +18 dBm Temperature = -55°C	P_{DISS} at P_{IN} = +18 dBm Temperature = +95°C
(MHz)		+10			+15			+18	
10	9.3	8.3	9.7	7.3	6.2	8.1	6.1	5.4	6.7
100	9.4	8.7	10.0	7.6	6.7	8.5	6.5	6.1	7.2
500	9.1	8.2	9.6	7.3	6.6	8.0	6.6	6.0	7.1
1000	9.9	9.1	10.2	8.5	7.8	9.1	8.1	7.5	8.4
2000	10.0	9.2	10.3	9.1	8.7	9.5	9.4	9.3	9.5
3000	10.3	9.7	10.6	9.9	9.4	10.1	10.3	10.2	10.3
4000	10.5	10.1	10.9	10.5	10.4	10.7	11.5	11.8	11.3
5000	10.9	10.3	11.1	10.7	10.6	10.9	10.2	10.5	10.0
6000	11.1	10.5	11.4	9.2	8.8	9.6	9.2	9.2	9.3
7000	10.4	9.7	10.6	9.6	8.8	10.0	9.2	8.5	9.6

FREQ	P_{DISS} at P_{IN} = +20 dBm Temperature = +25°C	P_{DISS} at P_{IN} = +20 dBm Temperature = -55°C	P_{DISS} at P_{IN} = +20 dBm Temperature = +95°C	P_{DISS} at P_{IN} = +22 dBm Temperature = +25°C	P_{DISS} at P_{IN} = +22 dBm Temperature = -55°C	P_{DISS} at P_{IN} = +22 dBm Temperature = +95°C	P_{DISS} at P_{IN} = +24 dBm Temperature = +25°C	P_{DISS} at P_{IN} = +24 dBm Temperature = -55°C	P_{DISS} at P_{IN} = +24 dBm Temperature = +95°C
(MHz)		+20			+22			+24	
10	5.5	4.9	6.1	5.0	4.4	5.5	4.6	4.2	5.1
100	6.2	5.8	6.6	5.9	5.6	6.3	5.6	5.5	6.1
500	6.2	5.8	6.6	5.9	5.5	6.4	5.9	5.4	6.3
1000	8.1	7.7	8.3	8.3	8.0	8.6	8.8	8.3	9.0
2000	10.1	10.0	10.1	10.9	10.9	10.8	10.3	10.1	10.4
3000	11.2	11.1	11.1	10.8	10.8	10.7	11.5	11.5	11.4
4000	11.3	11.7	10.8	12.3	12.7	11.7	13.4	13.8	12.8
5000	10.9	11.2	10.5	11.7	12.1	11.2	12.6	13.0	12.0
6000	9.5	9.7	9.4	10.1	10.3	9.8	10.7	10.9	10.4
7000	9.1	8.6	9.5	9.3	8.9	9.5	9.6	9.3	9.8

FREQ	P_{DISS} at P_{IN} = +26 dBm Temperature = +25°C	P_{DISS} at P_{IN} = +26 dBm Temperature = -55°C	P_{DISS} at P_{IN} = +26 dBm Temperature = +95°C	P_{DISS} at P_{IN} = +28 dBm Temperature = +25°C	P_{DISS} at P_{IN} = +28 dBm Temperature = -55°C	P_{DISS} at P_{IN} = +28 dBm Temperature = +95°C	P_{DISS} at P_{IN} = +30 dBm Temperature = +25°C	P_{DISS} at P_{IN} = +30 dBm Temperature = -55°C	P_{DISS} at P_{IN} = +30 dBm Temperature = +95°C
(MHz)		+26			+28			+30	
10	4.4	4.0	4.8	4.3	4.0	4.6	4.5	4.2	4.8
100	5.6	5.6	6.1	5.8	5.7	6.2	4.5	4.5	5.0
500	6.1	5.7	6.4	4.9	4.4	5.2	4.7	4.2	5.0
1000	7.9	7.3	8.2	8.0	7.3	8.3	7.8	7.0	8.3
2000	10.5	10.1	10.8	10.6	10.0	10.9	10.6	9.9	11.0
3000	12.2	11.8	12.3	12.2	11.4	12.5	12.0	11.1	12.4
4000	14.4	14.8	13.9	15.1	15.2	14.9	14.8	14.8	15.6
5000	13.5	13.8	12.9	14.1	14.2	13.6	14.4	14.1	14.1
6000	11.4	11.4	11.1	12.0	11.9	11.7	12.5	12.2	12.3
7000	10.0	9.9	10.1	10.7	10.5	10.5	11.2	10.8	11.1

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Note: Units are in percentages.

TEST CONDITIONS: V_{DD} = +28 V, I_{DD} = 400 mA, V_G = -1.6 V, I_G = 0.01 mA

FREQ	PAE at P_{IN} = +10 dBm Temperature = +25°C	PAE at P_{IN} = +10 dBm Temperature = -55°C	PAE at P_{IN} = +10 dBm Temperature = +95°C	PAE at P_{IN} = +15 dBm Temperature = +25°C	PAE at P_{IN} = +15 dBm Temperature = -55°C	PAE at P_{IN} = +15 dBm Temperature = +95°C	PAE at P_{IN} = +18 dBm Temperature = +25°C	PAE at P_{IN} = +18 dBm Temperature = -55°C	PAE at P_{IN} = +18 dBm Temperature = +95°C
(MHz)		+10			+15			+18	
10	7.7	11.6	5.5	24.0	32.3	17.6	39.2	46.0	31.9
100	5.9	8.5	4.2	19.3	25.9	13.9	33.3	38.4	26.5
500	8.8	12.8	6.4	25.7	31.9	20.0	38.8	45.3	32.7
1000	5.3	7.7	3.8	16.3	21.3	12.1	26.3	31.9	21.3
2000	5.7	8.2	4.1	15.7	20.0	12.1	23.4	27.4	19.5
3000	4.8	6.9	3.4	12.9	16.8	9.8	19.2	22.9	15.8
4000	3.7	5.4	2.6	10.2	12.8	7.6	14.5	16.9	12.1
5000	3.4	4.7	2.5	9.8	12.0	7.6	14.6	16.8	12.5
6000	2.9	4.3	2.1	9.1	12.1	6.6	15.0	18.0	11.9
7000	1.4	2.3	0.9	4.9	7.6	3.2	9.3	13.6	6.3

FREQ	PAE at P_{IN} = +20 dBm Temperature = +25°C	PAE at P_{IN} = +20 dBm Temperature = -55°C	PAE at P_{IN} = +20 dBm Temperature = +95°C	PAE at P_{IN} = +22 dBm Temperature = +25°C	PAE at P_{IN} = +22 dBm Temperature = -55°C	PAE at P_{IN} = +22 dBm Temperature = +95°C	PAE at P_{IN} = +24 dBm Temperature = +25°C	PAE at P_{IN} = +24 dBm Temperature = -55°C	PAE at P_{IN} = +24 dBm Temperature = +95°C
(MHz)		+20			+22			+24	
10	48.6	54.9	42.0	56.8	62.5	50.9	62.8	67.1	57.8
100	41.4	46.1	35.6	49.1	53.4	43.6	55.5	58.7	50.3
500	47.7	53.4	41.7	55.4	60.4	49.9	59.9	64.4	55.4
1000	33.2	38.5	28.2	39.7	45.1	34.4	45.8	51.0	40.3
2000	28.3	32.6	24.2	33.4	37.7	29.0	38.0	42.1	33.5
3000	23.1	27.0	19.5	27.0	31.2	23.1	30.7	34.8	26.4
4000	17.1	19.8	14.8	19.8	22.8	17.3	22.3	25.6	19.7
5000	18.0	20.3	15.7	21.5	24.0	19.0	25.0	27.7	22.3
6000	19.0	22.2	15.7	23.1	26.6	19.6	27.2	30.8	23.2
7000	13.3	18.4	9.5	17.7	23.6	13.2	22.4	28.3	17.1

FREQ	PAE at P_{IN} = +26 dBm Temperature = +25°C	PAE at P_{IN} = +26 dBm Temperature = -55°C	PAE at P_{IN} = +26 dBm Temperature = +95°C	PAE at P_{IN} = +28 dBm Temperature = +25°C	PAE at P_{IN} = +28 dBm Temperature = -55°C	PAE at P_{IN} = +28 dBm Temperature = +95°C	PAE at P_{IN} = +30 dBm Temperature = +25°C	PAE at P_{IN} = +30 dBm Temperature = -55°C	PAE at P_{IN} = +30 dBm Temperature = +95°C
(MHz)		+26			+28			+30	
10	65.7	69.4	61.7	66.5	69.5	62.9	64.8	67.8	61.4
100	58.9	61.2	54.4	60.1	62.3	55.9	59.4	61.1	55.2
500	62.3	66.0	58.2	62.7	66.3	59.0	61.6	64.9	57.9
1000	49.9	54.7	45.0	52.0	56.3	47.5	52.7	56.9	48.2
2000	41.0	44.6	36.8	41.7	44.6	37.9	40.9	43.8	37.2
3000	33.2	37.3	29.0	34.6	38.7	30.5	34.6	38.6	30.5
4000	24.8	28.3	21.7	26.9	30.3	23.0	28.1	31.2	23.6
5000	28.2	31.0	25.2	30.5	33.3	27.4	31.7	34.4	28.4
6000	30.6	34.3	26.5	32.7	36.3	28.6	33.3	36.8	29.3
7000	26.0	31.5	20.6	27.9	33.1	22.7	28.4	33.6	23.3

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Note: Units are in dBc.

TEST CONDITIONS: V_{DD} = 28V, I_{DD} = 400 mA @ Temperature = +25°C

FREQ	2ND Harmonic vs POUT POUT = +18 dBm	2ND Harmonic vs POUT POUT = +20 dBm	2ND Harmonic vs POUT POUT = +22 dBm	2ND Harmonic vs POUT POUT = +24 dBm	2ND Harmonic vs POUT POUT = +26 dBm	2ND Harmonic vs POUT POUT = +28 dBm	2ND Harmonic vs POUT POUT = +30 dBm
(MHz)	+18	+20	+22	+24	+26	+28	+30
10	-53.9	-54.2	-55.8	-53.6	-52.1	-47.1	-42.7
100	-53.8	-52.4	-50.4	-48.2	-46.6	-45.4	-45.0
500	-49.3	-47.5	-45.6	-43.8	-42.3	-41.4	-42.2
1000	-44.8	-42.7	-40.8	-39.4	-38.0	-37.4	-39.4
2000	-51.6	-49.6	-47.4	-45.3	-43.8	-42.2	-40.7
3000	-50.8	-49.4	-47.2	-45.3	-42.7	-38.3	-30.7
4000	-50.2	-48.4	-46.1	-44.2	-42.2	-40.1	-36.3
5000	-43.2	-41.3	-39.1	-37.1	-34.8	-32.6	-33.1
6000	-43.7	-41.7	-39.4	-37.5	-35.3	-33.2	-31.6
7000	-39.3	-37.1	-35.1	-33.2	-33.4	-33.2	-33.2

TEST CONDITIONS: V_{DD} = 28V, I_{DD} = 300 mA @ Temperature = +25°C

FREQ	2ND Harmonic vs POUT POUT = +18 dBm	2ND Harmonic vs POUT POUT = +20 dBm	2ND Harmonic vs POUT POUT = +22 dBm	2ND Harmonic vs POUT POUT = +24 dBm	2ND Harmonic vs POUT POUT = +26 dBm	2ND Harmonic vs POUT POUT = +28 dBm	2ND Harmonic vs POUT POUT = +30 dBm
(MHz)	+18	+20	+22	+24	+26	+28	+30
10	-49.0	-45.5	-42.6	-40.3	-37.2	-33.8	-29.7
100	-55.3	-52.7	-49.9	-47.0	-43.7	-39.6	-34.6
500	-54.0	-52.2	-49.9	-47.4	-43.3	-37.5	-31.1
1000	-52.6	-51.7	-49.9	-47.7	-42.9	-35.3	-27.7
2000	-51.8	-51.1	-48.4	-46.0	-43.1	-39.3	-34.3
3000	-44.3	-42.0	-39.2	-35.7	-31.4	-25.6	-20.6
4000	-47.4	-45.6	-42.9	-40.4	-36.9	-31.8	-25.5
5000	-43.1	-40.5	-38.5	-36.1	-33.4	-30.2	-30.5
6000	-44.1	-42.0	-39.9	-37.9	-35.8	-33.9	-32.5
7000	-40.1	-38.3	-36.4	-34.7	-35.0	-34.9	-34.7

TEST CONDITIONS: V_{DD} = 28V, I_{DD} = 200 mA @ Temperature = +25°C

FREQ	2ND Harmonic vs POUT POUT = +18 dBm	2ND Harmonic vs POUT POUT = +20 dBm	2ND Harmonic vs POUT POUT = +22 dBm	2ND Harmonic vs POUT POUT = +24 dBm	2ND Harmonic vs POUT POUT = +26 dBm	2ND Harmonic vs POUT POUT = +28 dBm	2ND Harmonic vs POUT POUT = +30 dBm
(MHz)	+18	+20	+22	+24	+26	+28	+30
10	-38.1	-35.8	-33.0	-30.1	-27.0	-23.4	-19.0
100	-41.7	-39.1	-36.3	-33.3	-29.9	-25.9	-21.1
500	-41.4	-38.6	-35.5	-31.9	-27.8	-23.7	-19.7
1000	-41.1	-38.2	-34.6	-30.5	-25.7	-21.6	-18.4
2000	-44.0	-41.1	-38.4	-35.2	-31.4	-26.9	-22.4
3000	-34.8	-32.0	-28.7	-24.8	-20.4	-16.7	-14.3
4000	-40.3	-37.6	-34.5	-30.8	-25.9	-21.6	-19.4
5000	-39.5	-37.6	-34.6	-30.5	-25.8	-24.6	-24.6
6000	-44.1	-42.2	-40.1	-38.1	-35.8	-31.4	-31.2
7000	-42.3	-40.9	-39.8	-39.6	-39.8	-39.8	-39.7

TEST CONDITIONS: V_{DD} = 28V, I_{DD} = 100 mA @ Temperature = +25°C

FREQ	2ND Harmonic vs POUT POUT = +18 dBm	2ND Harmonic vs POUT POUT = +20 dBm	2ND Harmonic vs POUT POUT = +22 dBm	2ND Harmonic vs POUT POUT = +24 dBm	2ND Harmonic vs POUT POUT = +26 dBm	2ND Harmonic vs POUT POUT = +28 dBm	2ND Harmonic vs POUT POUT = +30 dBm
(MHz)	+18	+20	+22	+24	+26	+28	+30
10	-26.6	-24.1	-21.2	-18.2	-15.1	-12.6	-10.9
100	-28.4	-25.8	-22.9	-19.8	-16.4	-13.8	-12.0
500	-27.4	-24.7	-21.6	-18.7	-16.1	-14.2	-13.1
1000	-26.4	-23.5	-20.3	-17.7	-15.7	-14.6	-14.1
2000	-30.6	-27.9	-24.8	-21.6	-18.7	-16.8	-15.6
3000	-22.0	-19.1	-16.1	-13.8	-12.3	-11.6	-12.1
4000	-27.6	-24.3	-20.9	-18.3	-16.5	-15.3	-15.3
5000	-29.2	-25.5	-22.2	-19.7	-18.7	-19.1	-19.0
6000	-40.1	-37.4	-33.6	-30.1	-27.1	-25.5	-25.4
7000	-52.5	-52.4	-50.6	-49.0	-48.8	-48.7	-48.5

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Note: Units are in dBc.

TEST CONDITIONS: V_{DD} = 28V, I_{DD} = 400 mA @ Temperature = +25°C

FREQ	2ND Harmonic vs P_{OUT} P_{OUT} = +18 dBm	2ND Harmonic vs P_{OUT} P_{OUT} = +20 dBm	2ND Harmonic vs P_{OUT} P_{OUT} = +22 dBm	2ND Harmonic vs P_{OUT} P_{OUT} = +24 dBm	2ND Harmonic vs P_{OUT} P_{OUT} = +26 dBm	2ND Harmonic vs P_{OUT} P_{OUT} = +28 dBm	2ND Harmonic vs P_{OUT} P_{OUT} = +30 dBm
(MHz)	+18	+20	+22	+24	+26	+28	+30
10	-53.9	-54.2	-55.8	-53.6	-52.1	-47.1	-42.7
100	-53.8	-52.4	-50.4	-48.2	-46.6	-45.4	-45.0
500	-49.3	-47.5	-45.6	-43.8	-42.3	-41.4	-42.2
1000	-44.8	-42.7	-40.8	-39.4	-38.0	-37.4	-39.4
2000	-51.6	-49.6	-47.4	-45.3	-43.8	-42.2	-40.7
3000	-50.8	-49.4	-47.2	-45.3	-42.7	-38.3	-30.7
4000	-50.2	-48.4	-46.1	-44.2	-42.2	-40.1	-36.3
5000	-43.2	-41.3	-39.1	-37.1	-34.8	-32.6	-33.1
6000	-43.7	-41.7	-39.4	-37.5	-35.3	-33.2	-31.6
7000	-39.3	-37.1	-35.1	-33.2	-33.4	-33.2	-33.2

TEST CONDITIONS: V_{DD} = 28V, I_{DD} = 400 mA @ Temperature = -55°C

FREQ	2ND Harmonic vs P_{OUT} P_{OUT} = +18 dBm	2ND Harmonic vs P_{OUT} P_{OUT} = +20 dBm	2ND Harmonic vs P_{OUT} P_{OUT} = +22 dBm	2ND Harmonic vs P_{OUT} P_{OUT} = +24 dBm	2ND Harmonic vs P_{OUT} P_{OUT} = +26 dBm	2ND Harmonic vs P_{OUT} P_{OUT} = +28 dBm	2ND Harmonic vs P_{OUT} P_{OUT} = +30 dBm
(MHz)	+18	+20	+22	+24	+26	+28	+30
10	-67.2	-72.1	-66.1	-80.7	-64.1	-54.2	-45.5
100	-51.9	-50.1	-48.3	-46.6	-45.5	-44.5	-45.2
500	-48.2	-46.4	-44.7	-43.2	-42.2	-42.3	-47.3
1000	-44.6	-42.8	-41.2	-39.7	-39.0	-40.1	-49.4
2000	-49.7	-48.2	-46.2	-44.1	-42.3	-40.6	-38.7
3000	-49.0	-46.8	-45.3	-43.6	-42.1	-39.0	-30.8
4000	-47.3	-45.6	-43.3	-41.4	-39.3	-36.9	-33.5
5000	-43.0	-40.8	-38.8	-36.7	-34.4	-32.0	-30.7
6000	-43.7	-41.7	-39.5	-37.5	-35.3	-33.2	-30.6
7000	-38.3	-36.3	-34.3	-32.2	-31.1	-30.8	-30.6

TEST CONDITIONS: V_{DD} = 28V, I_{DD} = 400 mA @ Temperature = +95°C

FREQ	2ND Harmonic vs P_{OUT} P_{OUT} = +18 dBm	2ND Harmonic vs P_{OUT} P_{OUT} = +20 dBm	2ND Harmonic vs P_{OUT} P_{OUT} = +22 dBm	2ND Harmonic vs P_{OUT} P_{OUT} = +24 dBm	2ND Harmonic vs P_{OUT} P_{OUT} = +26 dBm	2ND Harmonic vs P_{OUT} P_{OUT} = +28 dBm	2ND Harmonic vs P_{OUT} P_{OUT} = +30 dBm
(MHz)	+18	+20	+22	+24	+26	+28	+30
10	-46.0	-45.1	-45.4	-44.7	-44.1	-42.5	-39.5
100	-60.4	-55.9	-53.4	-51.3	-48.4	-46.4	-44.6
500	-52.7	-49.3	-47.1	-45.1	-42.7	-41.1	-40.2
1000	-44.9	-42.7	-40.7	-38.8	-37.1	-35.8	-35.8
2000	-51.2	-49.2	-47.3	-45.4	-43.7	-42.1	-40.9
3000	-50.1	-48.5	-46.1	-44.1	-41.3	-36.8	-30.1
4000	-51.9	-50.6	-48.6	-46.5	-44.7	-42.4	-38.9
5000	-43.1	-40.8	-38.8	-36.8	-34.6	-34.4	-34.3
6000	-43.2	-41.0	-39.1	-37.0	-35.0	-32.6	-32.6
7000	-39.3	-37.2	-35.0	-35.2	-35.1	-35.1	-35.1

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Note: Units are in dBc.

TEST CONDITIONS: V_{DD} = 28V, I_{DD} = 400 mA @ Temperature = +25°C

FREQ	3RD Harmonic vs POUT POUT = +18 dBm	3RD Harmonic vs POUT POUT = +20 dBm	3RD Harmonic vs POUT POUT = +22 dBm	3RD Harmonic vs POUT POUT = +24 dBm	3RD Harmonic vs POUT POUT = +26 dBm	3RD Harmonic vs POUT POUT = +28 dBm	3RD Harmonic vs POUT POUT = +30 dBm
(MHz)	+18	+20	+22	+24	+26	+28	+30
10	-64.3	-62.2	-58.7	-55.5	-51.5	-47.3	-42.2
100	-68.0	-65.2	-60.1	-56.5	-52.9	-49.0	-44.5
500	-73.8	-70.7	-66.2	-64.2	-59.1	-55.1	-51.0
1000	-68.1	-64.4	-60.7	-56.9	-51.8	-47.1	-41.9
2000	-67.8	-64.7	-61.8	-56.4	-52.3	-47.4	-42.2
3000	-68.2	-64.4	-60.9	-55.5	-51.8	-46.5	-40.6
4000	-69.1	-63.2	-60.2	-55.4	-50.7	-45.2	-38.8
5000	-71.8	-67.2	-63.2	-60.0	-55.2	-50.7	-45.0
6000	-73.2	-72.6	-67.8	-61.6	-58.7	-54.7	-47.9
7000	-75.2	-72.1	-67.3	-63.4	-56.7	-55.4	-55.8

TEST CONDITIONS: V_{DD} = 28V, I_{DD} = 300 mA @ Temperature = +25°C

FREQ	3RD Harmonic vs POUT POUT = +18 dBm	3RD Harmonic vs POUT POUT = +20 dBm	3RD Harmonic vs POUT POUT = +22 dBm	3RD Harmonic vs POUT POUT = +24 dBm	3RD Harmonic vs POUT POUT = +26 dBm	3RD Harmonic vs POUT POUT = +28 dBm	3RD Harmonic vs POUT POUT = +30 dBm
(MHz)	+18	+20	+22	+24	+26	+28	+30
10	-62.8	-59.8	-55.1	-51.7	-46.9	-41.8	-36.1
100	-67.0	-61.8	-59.3	-53.8	-49.1	-44.4	-39.2
500	-73.3	-67.7	-66.1	-60.8	-56.0	-51.9	-46.7
1000	-65.4	-60.6	-56.0	-51.6	-47.0	-41.5	-35.5
2000	-67.5	-60.8	-56.4	-52.5	-47.3	-42.0	-36.0
3000	-65.0	-60.9	-56.9	-51.8	-46.5	-40.3	-33.6
4000	-65.5	-60.6	-55.0	-50.8	-45.0	-38.0	-30.8
5000	-72.2	-65.5	-61.9	-56.6	-51.6	-45.3	-39.0
6000	-77.5	-70.6	-62.9	-61.7	-57.3	-51.9	-43.8
7000	-72.6	-70.6	-64.3	-61.0	-55.7	-52.8	-54.4

TEST CONDITIONS: V_{DD} = 28V, I_{DD} = 200 mA @ Temperature = +25°C

FREQ	3RD Harmonic vs POUT POUT = +18 dBm	3RD Harmonic vs POUT POUT = +20 dBm	3RD Harmonic vs POUT POUT = +22 dBm	3RD Harmonic vs POUT POUT = +24 dBm	3RD Harmonic vs POUT POUT = +26 dBm	3RD Harmonic vs POUT POUT = +28 dBm	3RD Harmonic vs POUT POUT = +30 dBm
(MHz)	+18	+20	+22	+24	+26	+28	+30
10	-58.1	-53.7	-48.7	-43.8	-38.5	-33.0	-26.9
100	-61.2	-55.6	-51.4	-46.8	-41.7	-36.2	-29.8
500	-66.4	-63.6	-59.3	-54.1	-49.4	-44.2	-38.6
1000	-58.5	-54.0	-49.5	-44.4	-38.9	-33.3	-29.1
2000	-58.3	-54.2	-49.8	-44.4	-38.9	-33.7	-29.8
3000	-58.5	-53.6	-48.5	-42.8	-36.9	-31.2	-27.2
4000	-57.3	-52.5	-47.4	-41.1	-34.4	-29.4	-26.8
5000	-65.1	-59.9	-54.3	-48.7	-41.4	-35.2	-33.0
6000	-71.5	-65.9	-60.2	-55.1	-50.9	-43.8	-37.8
7000	-72.9	-68.3	-61.0	-57.9	-49.7	-46.6	-48.6

TEST CONDITIONS: V_{DD} = 28V, I_{DD} = 100 mA @ Temperature = +25°C

FREQ	3RD Harmonic vs POUT POUT = +18 dBm	3RD Harmonic vs POUT POUT = +20 dBm	3RD Harmonic vs POUT POUT = +22 dBm	3RD Harmonic vs POUT POUT = +24 dBm	3RD Harmonic vs POUT POUT = +26 dBm	3RD Harmonic vs POUT POUT = +28 dBm	3RD Harmonic vs POUT POUT = +30 dBm
(MHz)	+18	+20	+22	+24	+26	+28	+30
10	-45.0	-40.7	-36.0	-31.1	-26.9	-24.6	-24.3
100	-48.3	-43.5	-38.6	-33.6	-28.7	-25.4	-24.0
500	-56.2	-51.3	-46.6	-41.6	-36.9	-32.4	-29.4
1000	-47.0	-42.1	-37.4	-33.1	-30.0	-28.4	-27.6
2000	-45.9	-41.3	-36.9	-33.2	-30.7	-29.3	-28.7
3000	-42.9	-37.9	-33.2	-29.4	-26.9	-25.3	-23.6
4000	-41.6	-36.2	-31.3	-28.1	-26.0	-24.7	-24.2
5000	-49.4	-43.9	-38.0	-33.9	-31.2	-29.4	-28.9
6000	-58.2	-52.9	-47.6	-41.9	-37.3	-34.6	-32.2
7000	-60.7	-56.1	-51.1	-47.0	-42.5	-41.9	-42.1

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Note: Units are in dBc.

TEST CONDITIONS: V_{DD} = 28V, I_{DD} = 400 mA @ Temperature = +25°C

FREQ	3RD Harmonic vs P_{OUT} P_{OUT} = +18 dBm	3RD Harmonic vs P_{OUT} P_{OUT} = +20 dBm	3RD Harmonic vs P_{OUT} P_{OUT} = +22 dBm	3RD Harmonic vs P_{OUT} P_{OUT} = +24 dBm	3RD Harmonic vs P_{OUT} P_{OUT} = +26 dBm	3RD Harmonic vs P_{OUT} P_{OUT} = +28 dBm	3RD Harmonic vs P_{OUT} P_{OUT} = +30 dBm
(MHz)	+18	+20	+22	+24	+26	+28	+30
10	-64.3	-62.2	-58.7	-55.5	-51.5	-47.3	-42.2
100	-68.0	-65.2	-60.1	-56.5	-52.9	-49.0	-44.5
500	-73.8	-70.7	-66.2	-64.2	-59.1	-55.1	-51.0
1000	-68.1	-64.4	-60.7	-56.9	-51.8	-47.1	-41.9
2000	-67.8	-64.7	-61.8	-56.4	-52.3	-47.4	-42.2
3000	-68.2	-64.4	-60.9	-55.5	-51.8	-46.5	-40.6
4000	-69.1	-63.2	-60.2	-55.4	-50.7	-45.2	-38.8
5000	-71.8	-67.2	-63.2	-60.0	-55.2	-50.7	-45.0
6000	-73.2	-72.6	-67.8	-61.6	-58.7	-54.7	-47.9
7000	-75.2	-72.1	-67.3	-63.4	-56.7	-55.4	-55.8

TEST CONDITIONS: V_{DD} = 28V, I_{DD} = 400 mA @ Temperature = -55°C

FREQ	3RD Harmonic vs P_{OUT} P_{OUT} = +18 dBm	3RD Harmonic vs P_{OUT} P_{OUT} = +20 dBm	3RD Harmonic vs P_{OUT} P_{OUT} = +22 dBm	3RD Harmonic vs P_{OUT} P_{OUT} = +24 dBm	3RD Harmonic vs P_{OUT} P_{OUT} = +26 dBm	3RD Harmonic vs P_{OUT} P_{OUT} = +28 dBm	3RD Harmonic vs P_{OUT} P_{OUT} = +30 dBm
(MHz)	+18	+20	+22	+24	+26	+28	+30
10	-66.4	-66.8	-64.1	-57.7	-51.9	-48.0	-42.5
100	-75.9	-68.4	-62.7	-59.0	-55.2	-50.2	-45.3
500	-74.7	-72.2	-70.4	-66.3	-60.6	-56.7	-51.8
1000	-70.3	-65.7	-61.1	-57.0	-52.7	-47.2	-41.1
2000	-70.0	-65.7	-62.1	-58.4	-53.6	-48.7	-42.7
3000	-72.6	-66.5	-65.5	-57.2	-53.1	-47.3	-40.4
4000	-68.3	-66.0	-62.4	-57.2	-52.1	-45.7	-38.2
5000	-76.3	-70.2	-67.1	-62.1	-56.5	-51.1	-43.5
6000	-77.9	-76.6	-68.1	-64.6	-58.8	-56.1	-50.0
7000	-78.3	-70.8	-62.7	-63.2	-57.7	-54.7	-52.3

TEST CONDITIONS: V_{DD} = 28V, I_{DD} = 400 mA @ Temperature = +95°C

FREQ	3RD Harmonic vs P_{OUT} P_{OUT} = +18 dBm	3RD Harmonic vs P_{OUT} P_{OUT} = +20 dBm	3RD Harmonic vs P_{OUT} P_{OUT} = +22 dBm	3RD Harmonic vs P_{OUT} P_{OUT} = +24 dBm	3RD Harmonic vs P_{OUT} P_{OUT} = +26 dBm	3RD Harmonic vs P_{OUT} P_{OUT} = +28 dBm	3RD Harmonic vs P_{OUT} P_{OUT} = +30 dBm
(MHz)	+18	+20	+22	+24	+26	+28	+30
10	-58.2	-56.8	-56.7	-53.7	-50.5	-46.1	-41.6
100	-66.0	-61.8	-57.7	-54.4	-50.7	-46.9	-42.9
500	-70.7	-69.5	-64.0	-61.4	-56.4	-53.2	-49.0
1000	-64.9	-61.6	-57.8	-54.5	-49.8	-45.8	-41.1
2000	-65.9	-62.3	-57.6	-54.5	-50.1	-45.8	-40.9
3000	-65.0	-61.7	-56.5	-53.8	-50.0	-44.7	-39.3
4000	-64.9	-61.5	-59.0	-53.4	-49.0	-44.0	-38.5
5000	-69.5	-64.4	-63.6	-57.9	-53.4	-49.4	-47.2
6000	-71.5	-69.6	-63.0	-60.3	-57.2	-53.0	-49.4
7000	-70.0	-70.3	-64.5	-59.3	-56.7	-54.3	-58.3

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Definitions:
Input Return Loss = S11 (dB)
Gain(Power Gain) = S21 (dB)
Isolation = S12 (dB)
Output Return Loss = S22 (dB)

TEST CONDITIONS: V_{DD} = +28 V, I_{DD} = 400 mA, V_G = -2 V, I_G = 0.01 mA

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		P_{SAT} Output
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)
10	-2.7	-67.8	-11.1	-1.3	399.6	0.3	18.8
30	6.1	-61.4	-11.3	-1.0	206.5	0.2	27.0
100	8.4	-55.0	-11.6	-0.6	13.4	0.1	29.5
200	15.4	-55.6	-11.6	-2.3	19.5	0.4	35.9
300	19.7	-45.9	-8.3	-5.6	6.2	0.8	37.9
400	19.1	-44.3	-11.3	-9.1	7.3	0.9	38.5
500	20.4	-41.1	-10.8	-15.4	4.8	1.1	38.9
600	20.8	-39.2	-9.8	-27.8	3.8	1.1	39.1
700	20.5	-38.4	-8.9	-21.6	3.5	1.1	39.2
800	19.4	-38.2	-8.6	-16.8	3.8	1.1	39.0
900	18.5	-38.1	-8.9	-14.0	4.1	1.1	39.1
1000	18.0	-37.5	-9.7	-11.1	4.0	1.0	39.3
1100	18.0	-36.8	-10.9	-10.2	3.7	1.0	39.3
1200	18.1	-36.1	-12.1	-9.0	3.3	0.9	39.2
1300	18.3	-35.2	-13.5	-8.1	2.9	0.9	39.1
1400	18.4	-34.6	-14.5	-7.5	2.6	0.8	39.0
1500	18.4	-33.9	-15.4	-7.1	2.4	0.8	39.0
1600	18.4	-33.6	-15.8	-6.8	2.2	0.8	39.0
1700	18.4	-33.1	-15.9	-6.6	2.1	0.8	38.9
1800	18.3	-32.7	-15.6	-6.5	2.0	0.8	39.0
1900	18.2	-32.4	-15.1	-6.5	2.0	0.8	39.0
2000	18.1	-32.0	-14.5	-6.6	1.9	0.8	39.0
2100	18.0	-31.8	-14.0	-6.8	1.9	0.8	39.0
2200	18.0	-31.5	-13.5	-7.0	1.8	0.8	39.1
2300	17.9	-31.2	-13.0	-7.3	1.8	0.8	39.1
2400	17.8	-30.9	-12.7	-7.7	1.8	0.9	39.0
2500	17.8	-30.7	-12.5	-8.2	1.8	0.9	39.0
2600	17.7	-30.4	-12.4	-8.8	1.8	0.9	38.9
2700	17.7	-30.1	-12.4	-9.5	1.8	0.9	38.8
2800	17.7	-29.8	-12.5	-10.3	1.8	0.9	38.7
2900	17.6	-29.6	-12.8	-11.2	1.8	0.9	38.6
3000	17.6	-29.3	-13.3	-12.1	1.8	0.9	38.6
3100	17.6	-29.1	-13.8	-12.9	1.9	0.9	38.6
3200	17.5	-28.8	-14.6	-13.5	1.9	0.9	38.4
3300	17.5	-28.6	-15.7	-13.8	1.8	0.9	38.2
3400	17.4	-28.4	-17.0	-13.7	1.8	0.9	38.3
3500	17.3	-28.3	-18.6	-13.4	1.8	0.9	38.4
3600	17.2	-28.1	-20.8	-12.8	1.8	0.9	38.4
3700	17.2	-28.0	-23.4	-12.2	1.8	0.9	38.5
3800	17.1	-27.8	-25.8	-11.6	1.7	0.9	38.6
3900	17.0	-27.8	-25.3	-11.1	1.7	0.9	38.7
4000	16.9	-27.6	-22.8	-10.7	1.7	0.8	38.7
4500	16.4	-27.2	-14.9	-9.7	1.7	0.8	38.5
5000	16.0	-26.8	-12.5	-10.6	1.7	0.8	38.8
5500	15.9	-26.1	-12.8	-13.1	1.6	0.9	39.0
6000	15.7	-25.5	-15.3	-14.4	1.6	0.9	38.4
6500	14.6	-26.1	-11.6	-14.5	1.8	1.0	38.2
7000	12.4	-28.0	-7.1	-14.1	2.4	1.1	37.4

FREQ	P_{OUT} at Fixed P_{IN}								
(MHz)	+5	+10	+15	+20	+22	+24	+26	+28	+30
10	2.0	6.9	11.5	15.1	16.3	17.5	18.8	20.2	21.4
30	10.7	15.6	20.2	23.6	24.7	25.9	27.0	28.1	29.1
100	13.1	18.0	22.5	25.7	26.8	27.9	29.1	30.1	30.8
500	25.2	30.2	34.4	37.2	37.9	38.4	38.6	38.8	39.0
1000	22.7	27.8	32.6	36.3	37.5	38.3	38.8	39.2	39.3
2000	23.0	28.0	32.3	35.7	36.9	37.9	38.6	38.9	39.1
4000	21.5	26.4	30.9	34.2	35.3	36.4	37.4	38.1	38.5
6000	20.2	25.2	29.9	33.7	35.0	36.2	37.2	37.9	38.4
7000	17.1	22.2	27.3	31.9	33.4	34.8	35.9	36.7	37.4

FREQ	Gain at Fixed P_{IN}								
(MHz)	+5	+10	+15	+20	+22	+24	+26	+28	+30
10	-3.0	-3.1	-3.5	-4.9	-5.7	-6.5	-7.2	-7.8	-8.6
30	5.7	5.6	5.2	3.6	2.7	1.9	1.0	0.1	-0.9
100	8.1	8.0	7.5	5.7	4.8	3.9	3.1	2.1	0.8
500	20.2	20.2	19.4	17.2	15.9	14.4	12.6	10.8	9.0
1000	17.7	17.8	17.6	16.3	15.5	14.3	12.8	11.2	9.3
2000	18.0	18.0	17.3	15.7	14.9	13.9	12.6	10.9	9.1
4000	16.5	16.4	15.9	14.2	13.3	12.4	11.4	10.1	8.5
6000	15.2	15.2	14.9	13.7	13.0	12.2	11.2	9.9	8.4
7000	12.1	12.2	12.3	11.9	11.4	10.8	9.9	8.7	7.4