Typical Performance Data

Definitions:

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

TEST CONDITIONS: Vd = 5.00V, Id = 53mA @Temperature = +25°C

FREQ.	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
500	19.43	43.36	1.40	1.95	1.48	0.53	23.51	12.35	1.38
600	22.22	39.07	2.43	2.99	1.35	0.61	24.70	14.12	1.01
700	23.42	36.64	4.01	4.36	1.37	0.67	25.76	15.87	0.79
800	23.86	35.27	5.98	5.80	1.42	0.71	27.49	17.15	0.65
900	23.84	34.40	8.07	7.09	1.47	0.74	28.81	18.10	0.56
1000	23.58	33.84	10.05	8.18	1.52	0.76	29.81	18.84	0.51
1100	23.20	33.42	11.78	9.08	1.57	0.78	30.82	19.38	0.49
1200	22.76	33.08	13.23	9.83	1.62	0.80	31.31	19.76	0.47
1300	22.34	32.82	14.45	10.47	1.67	0.82	31.79	20.04	0.47
1400	21.90	32.56	15.45	10.97	1.72	0.83	32.17	20.32	0.48
1500	21.45	32.35	16.24	11.39	1.77	0.84	32.30	20.50	0.50
1600	21.02	32.15	16.88	11.71	1.82	0.85	32.20	20.51	0.52
1700	20.59	31.93	17.43	11.91	1.86	0.86	32.51	20.58	0.54
1800	20.17	31.80	17.89	12.06	1.92	0.87	32.64	20.54	0.55
1900	19.76	31.60	18.27	12.12	1.96	0.87	32.86	20.54	0.57
2000	19.36	31.44	18.67	12.14	2.01	0.88	32.97	20.48	0.58
2100	18.97	31.28	19.02	12.11	2.05	0.88	33.17	20.46	0.59
2200	18.59	31.12	19.33	12.00	2.10	0.88	33.48	20.36	0.59
2300	18.21	30.97	19.62	11.88	2.14	0.89	33.39	20.35	0.61
2400	17.84	30.82	19.82	11.67	2.18	0.89	33.78	20.30	0.64
2500	17.48	30.67	19.96	11.48	2.22	0.89	33.72	20.26	0.68
2600	17.12	30.56	20.01	11.23	2.26	0.89	33.53	20.28	0.74
2700	16.77	30.43	19.92	10.95	2.30	0.89	33.53	20.24	0.80
2800	16.42	30.28	19.74	10.64	2.33	0.88	33.45	20.19	0.86
2900	16.08	30.16	19.43	10.29	2.36	0.88	33.36	20.05	0.89
3000	15.73	30.06	19.02	9.93	2.39	0.88	33.06	19.91	0.88
3100	15.39	29.96	18.53	9.61	2.43	0.87	32.82	19.71	0.90
3200	15.05	29.84	17.98	9.25	2.45	0.87	33.07	19.55	0.93
3300	14.73	29.73	17.41	8.91	2.47	0.86	33.09	19.44	0.97
3400	14.39	29.65	16.83	8.57	2.50	0.86	33.07	19.41	1.02
3500	14.05	29.56	16.27	8.23	2.53	0.85	32.90	19.28	1.05
3600	13.71	29.47	15.72	7.93	2.55	0.85	32.80	19.20	1.08
3700	13.38	29.37	15.24	7.64	2.57	0.84	32.70	19.13	1.11
3800	13.05	29.28	14.75	7.37	2.59	0.83	32.52	19.16	1.14
3900	12.73	29.19	14.34	7.12	2.61	0.83	32.27	19.06	1.18
4000	12.41	29.10	13.96	6.90	2.64	0.82	32.10	18.89	1.23
4100	12.09	29.03	13.62	6.68	2.66	0.81	31.86	18.70	1.28
4200	11.79	28.94	13.30	6.49	2.68	0.81	31.88	18.54	1.32
4300	11.49	28.86	13.03	6.33	2.71	0.80	31.80	18.33	1.36

Typical Performance Data

Definitions:

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

TEST CONDITIONS: Vd = 4.75V, Id = 48mA @Temperature = +25°C

FREQ.	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
500	19.07	43.16	1.35	1.95	1.47	0.54	22.67	11.65	1.39
600	21.90	38.93	2.30	2.97	1.33	0.62	23.90	13.45	1.02
700	23.14	36.48	3.79	4.34	1.35	0.68	25.00	15.35	0.80
800	23.63	35.05	5.66	5.80	1.40	0.72	26.87	16.78	0.67
900	23.65	34.23	7.69	7.09	1.46	0.75	28.19	17.93	0.58
1000	23.43	33.69	9.64	8.21	1.51	0.77	29.19	18.83	0.52
1100	23.06	33.27	11.33	9.12	1.57	0.79	30.02	19.51	0.49
1200	22.63	32.96	12.76	9.87	1.62	0.81	30.66	19.97	0.47
1300	22.21	32.68	13.95	10.51	1.67	0.82	31.14	20.29	0.48
1400	21.77	32.46	14.93	11.02	1.72	0.84	31.40	20.55	0.49
1500	21.32	32.25	15.72	11.44	1.77	0.85	31.76	20.72	0.52
1600	20.89	32.05	16.37	11.75	1.82	0.86	32.13	20.74	0.53
1700	20.46	31.86	16.93	11.95	1.87	0.87	32.34	20.83	0.54
1800	20.04	31.69	17.40	12.09	1.92	0.87	32.59	20.81	0.56
1900	19.63	31.53	17.80	12.15	1.97	0.88	32.68	20.83	0.58
2000	19.24	31.37	18.21	12.17	2.01	0.88	32.93	20.82	0.58
2100	18.84	31.18	18.56	12.13	2.05	0.88	32.82	20.81	0.60
2200	18.46	31.04	18.87	12.03	2.10	0.89	32.95	20.71	0.59
2300	18.09	30.90	19.15	11.90	2.15	0.89	32.76	20.69	0.61
2400	17.72	30.76	19.35	11.69	2.19	0.89	32.46	20.60	0.64
2500	17.36	30.62	19.46	11.49	2.23	0.89	32.67	20.55	0.68
2600	17.00	30.48	19.48	11.24	2.27	0.89	32.52	20.57	0.75
2700	16.65	30.37	19.36	10.96	2.31	0.89	32.54	20.55	0.81
2800	16.30	30.24	19.17	10.64	2.34	0.89	32.34	20.48	0.87
2900	15.96	30.10	18.86	10.30	2.37	0.88	32.37	20.32	0.90
3000	15.61	30.00	18.47	9.94	2.40	0.88	32.35	20.17	0.89
3100	15.27	29.88	17.99	9.61	2.43	0.88	32.14	19.94	0.91
3200	14.93	29.78	17.47	9.26	2.46	0.87	32.18	19.74	0.94
3300	14.60	29.68	16.94	8.93	2.49	0.87	32.26	19.56	1.00
3400	14.27	29.57	16.40	8.58	2.51	0.86	32.22	19.45	1.03
3500	13.92	29.50	15.88	8.24	2.54	0.86	31.98	19.29	1.06
3600	13.59	29.40	15.37	7.93	2.56	0.85	31.65	19.16	1.08
3700	13.26	29.32	14.93	7.64	2.58	0.84	31.60	19.04	1.12
3800	12.93	29.21	14.48	7.37	2.60	0.84	31.38	18.97	1.16
3900	12.61	29.13	14.10	7.12	2.62	0.83	31.11	18.82	1.19
4000	12.29	29.06	13.74	6.91	2.65	0.82	30.81	18.59	1.25
4100	11.97	28.96	13.43	6.69	2.67	0.82	30.85	18.31	1.29
4200	11.67	28.87	13.14	6.50	2.69	0.81	30.95	18.10	1.33
4300	11.37	28.78	12.88	6.34	2.71	0.80	30.97	17.82	1.39

Typical Performance Data

Definitions:

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

TEST CONDITIONS: Vd = 5.25V, Id = 58mA @Temperature = +25°C

FREQ.	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
500	19.65	43.41	1.44	1.96	1.49	0.53	24.13	13.00	1.35
600	22.41	39.13	2.52	3.01	1.35	0.60	25.46	14.67	0.99
700	23.56	36.80	4.15	4.38	1.38	0.67	26.57	16.28	0.78
800	23.97	35.34	6.16	5.81	1.42	0.71	28.41	17.33	0.64
900	23.92	34.50	8.29	7.08	1.47	0.74	29.53	18.13	0.55
1000	23.64	33.92	10.28	8.17	1.53	0.76	30.57	18.72	0.51
1100	23.27	33.51	12.03	9.06	1.58	0.78	31.08	19.17	0.50
1200	22.83	33.19	13.49	9.81	1.63	0.80	32.22	19.44	0.48
1300	22.41	32.88	14.72	10.44	1.67	0.82	32.58	19.65	0.48
1400	21.97	32.63	15.73	10.95	1.72	0.83	32.72	19.88	0.48
1500	21.52	32.41	16.52	11.38	1.77	0.84	33.18	20.03	0.50
1600	21.09	32.20	17.14	11.69	1.82	0.85	33.39	20.03	0.52
1700	20.66	32.00	17.68	11.89	1.86	0.86	33.50	20.08	0.53
1800	20.23	31.82	18.13	12.05	1.91	0.87	33.51	20.07	0.53
1900	19.83	31.66	18.50	12.10	1.96	0.87	33.52	20.05	0.55
2000	19.43	31.48	18.89	12.13	2.00	0.88	33.85	20.00	0.56
2100	19.04	31.31	19.23	12.10	2.05	0.88	33.55	19.96	0.57
2200	18.66	31.18	19.55	12.00	2.10	0.88	33.61	19.90	0.58
2300	18.28	31.00	19.83	11.88	2.13	0.88	33.59	19.91	0.60
2400	17.91	30.87	20.05	11.67	2.18	0.88	33.45	19.86	0.63
2500	17.55	30.72	20.20	11.48	2.22	0.89	33.51	19.85	0.67
2600	17.19	30.59	20.27	11.23	2.26	0.88	33.71	19.88	0.74
2700	16.84	30.47	20.19	10.95	2.29	0.88	33.98	19.88	0.79
2800	16.49	30.34	20.03	10.63	2.33	0.88	34.10	19.81	0.84
2900	16.15	30.20	19.73	10.29	2.36	0.88	34.10	19.68	0.87
3000	15.80	30.10	19.31	9.93	2.39	0.87	33.85	19.55	0.88
3100	15.46	29.98	18.82	9.60	2.42	0.87	34.17	19.39	0.89
3200	15.12	29.88	18.25	9.25	2.45	0.87	34.04	19.28	0.92
3300	14.79	29.76	17.67	8.91	2.47	0.86	33.70	19.22	0.97
3400	14.45	29.69	17.06	8.57	2.50	0.86	33.65	19.16	1.02
3500	14.11	29.61	16.48	8.23	2.53	0.85	33.78	19.06	1.04
3600	13.78	29.51	15.91	7.92	2.55	0.84	33.56	19.03	1.08
3700	13.44	29.42	15.40	7.63	2.57	0.84	33.43	19.04	1.10
3800	13.12	29.35	14.90	7.36	2.60	0.83	33.49	19.18	1.13
3900	12.79	29.24	14.47	7.11	2.61	0.82	33.41	19.15	1.16
4000	12.47	29.16	14.07	6.89	2.64	0.82	33.20	19.05	1.22
4100	12.16	29.07	13.72	6.68	2.66	0.81	33.13	18.89	1.27
4200	11.85	28.99	13.39	6.48	2.68	0.80	33.00	18.82	1.32
4300	11.55	28.90	13.10	6.33	2.70	0.80	32.71	18.72	1.36