Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

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 = 77.15mA @ 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)
1000	15.33	73.97	3.95	19.34	252.13	1.39	25.44	13.59	8.56
1100	16.33	73.62	4.57	22.35	236.87	1.34	27.22	15.36	8.03
1200	17.06	62.37	5.29	26.47	64.71	1.29	28.38	16.41	7.53
1300	17.59	57.23	6.04	31.74	36.01	1.25	29.00	16.89	7.09
1400	17.94	54.27	6.80	37.33	25.91	1.21	28.90	17.13	6.80
1500	18.18	52.16	7.56	38.24	20.63	1.17	28.78	17.04	6.47
1600	18.29	50.24	8.35	35.58	16.91	1.14	28.67	16.84	6.23
1700	18.35	49.01	9.11	33.11	14.98	1.12	28.59	16.98	6.03
1800	18.35	47.83	9.90	31.99	13.38	1.10	28.76	16.89	5.79
1900	18.33	46.68	10.65	30.87	11.97	1.08	28.71	16.94	5.64
2000	18.29	46.02	11.30	29.71	11.28	1.07	28.31	16.81	5.45
2100	18.25	45.36	12.01	29.22	10.64	1.06	28.03	16.46	5.31
2200	18.18	44.77	12.73	28.56	10.11	1.05	27.65	16.30	5.13
2300	18.14	44.14	13.44	27.41	9.53	1.04	27.60	16.37	5.04
2400	18.16	43.73	14.15	26.67	9.13	1.03	27.35	16.24	4.86
2500	18.10	43.42	14.84	25.98	8.92	1.03	27.12	16.02	4.79
2600	18.12	43.03	15.62	25.16	8.56	1.02	26.91	15.78	4.77
2700	18.13	42.96	16.55	24.70	8.51	1.02	26.70	15.58	4.69
2800	18.17	42.39	17.18	24.13	7.97	1.01	26.42	15.28	4.68
2900	18.22	41.66	17.76	23.54	7.30	1.01	26.24	15.11	4.64
3000	18.28	41.22	18.40	23.21	6.91	1.01	25.81	14.77	4.46
3100	18.32	40.98	18.96	23.34	6.70	1.00	25.68	14.67	4.39
3300	18.46	40.55	19.88	23.49	6.30	1.00	25.18	14.34	4.33
3500	18.61	39.89	20.03	22.61	5.74	1.00	25.18	14.26	4.14
3700	18.89	39.42	19.45	22.55	5.27	1.00	24.95	13.97	4.04
3900	19.22	39.09	18.81	22.12	4.88	1.00	24.75	13.77	3.94
4100	19.52	39.81	18.68	20.45	5.09	1.00	24.50	13.58	3.81
4300	19.87	39.35	18.96	20.66	4.65	0.99	24.45	13.68	3.72
4500	19.70	40.63	19.69	19.17	5.48	0.99	25.20	14.26	3.74
4700	19.51	40.08	18.35	19.80	5.24	1.00	25.82	14.57	3.65
4900	19.19	39.32	17.01	21.70	4.98	1.01	27.09	15.90	3.62
5100	18.59	38.56	15.64	25.81	4.87	1.02	28.45	16.29	3.73
5300	18.05	38.91	13.91	28.82	5.34	1.03	28.75	16.97	3.72
5500	17.17	38.00	13.30	22.91	5.28	1.03	28.97	17.39	3.84
5700	15.72	38.19	12.54	18.59	6.25	1.03	28.12	16.86	4.05
5900	13.96	38.04	12.32	14.98	7.36	1.02	26.46	15.17	4.32
6100	12.12	36.39	11.86	13.47	7.38	1.01	24.23	12.69	4.75
6300	9.95	37.69	12.17	12.02	10.81	0.99	21.21	9.83	5.36
6500	7.64	38.00	12.70	10.93	14.39	0.96	17.47	7.03	6.04

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 = 3.90V, Id = 76.12mA @ 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)
1000	14.51	75.72	4.02	18.90	342.73	1.38	24.45	12.68	8.63
1100	15.44	68.86	4.64	21.67	152.95	1.33	25.99	14.35	8.13
1200	16.14	60.42	5.35	25.35	57.83	1.29	27.11	15.43	7.67
1300	16.65	56.23	6.07	29.42	35.83	1.25	27.57	15.94	7.22
1400	17.02	53.61	6.80	32.00	26.73	1.21	27.61	16.17	6.93
1500	17.28	51.62	7.53	31.18	21.48	1.17	27.50	16.17	6.60
1600	17.42	49.79	8.28	29.01	17.68	1.15	27.53	16.08	6.40
1700	17.52	48.57	9.00	27.03	15.59	1.12	27.38	16.13	6.20
1800	17.55	47.37	9.74	25.82	13.85	1.10	27.64	16.09	5.96
1900	17.56	46.22	10.44	24.78	12.32	1.08	27.62	16.14	5.79
2000	17.55	45.53	11.04	23.87	11.53	1.07	27.34	15.98	5.64
2100	17.53	44.86	11.70	23.43	10.82	1.06	27.13	15.80	5.44
2200	17.48	44.23	12.37	23.11	10.22	1.05	26.74	15.68	5.34
2300	17.45	43.57	13.00	22.61	9.58	1.04	26.60	15.57	5.20
2400	17.48	43.13	13.63	22.33	9.14	1.03	26.29	15.42	5.04
2500	17.43	42.80	14.24	22.09	8.90	1.03	26.21	15.32	4.96
2600	17.44	42.38	14.93	21.78	8.52	1.02	25.91	14.97	4.93
2700	17.45	42.25	15.72	21.78	8.42	1.02	25.78	14.88	4.86
2800	17.48	41.69	16.24	21.42	7.89	1.01	25.62	14.58	4.85
2900	17.52	40.96	16.71	20.98	7.24	1.01	25.36	14.48	4.82
3000	17.57	40.55	17.23	20.79	6.88	1.01	25.11	14.20	4.61
3100	17.59	40.34	17.72	20.86	6.72	1.00	24.94	14.09	4.52
3300	17.69	39.98	18.55	21.09	6.39	1.00	24.56	13.79	4.47
3500	17.81	39.34	18.74	20.09	5.86	1.00	24.33	13.72	4.29
3700	18.07	38.97	18.47	19.44	5.44	1.00	24.17	13.39	4.19
3900	18.40	38.68	18.15	18.32	5.05	0.99	23.97	13.15	4.09
4100	18.71	39.39	18.29	16.49	5.25	0.99	23.92	13.03	3.98
4300	19.09	38.84	18.79	16.21	4.72	0.98	23.82	13.12	3.81
4500	19.02	39.43	19.75	15.55	5.07	0.98	24.41	13.63	3.84
4700	18.95	39.07	18.63	15.89	4.90	0.98	24.90	14.08	3.72
4900	18.59	38.36	17.07	17.35	4.72	0.99	26.02	14.82	3.77
5100	18.24	37.63	15.36	21.19	4.53	1.01	27.23	16.00	3.75
5300	17.42	37.35	13.58	28.35	4.78	1.03	28.06	16.31	3.80
5500	16.35	37.06	12.63	25.25	5.17	1.04	27.49	16.43	3.94
5700	14.62	37.46	11.95	18.42	6.46	1.04	26.62	15.78	4.14
5900	12.57	37.10	11.78	14.95	7.69	1.02	24.77	13.77	4.54
6100	10.56	35.81	11.41	13.21	8.17	1.01	22.31	11.29	5.02
6300	8.35	36.17	11.76	12.13	10.86	0.99	19.11	8.51	5.64
6500	6.03	36.80	12.24	11.07	15.05	0.97	15.12	5.59	6.48

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 = 77.36mA @ 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)
1000	15.44	73.48	3.93	19.45	234.99	1.39	25.55	13.74	8.54
1100	16.44	74.11	4.55	22.51	246.75	1.34	27.37	15.51	8.00
1200	17.19	62.81	5.27	26.68	67.01	1.29	28.50	16.54	7.54
1300	17.71	57.37	6.02	31.99	36.02	1.25	29.10	17.03	7.07
1400	18.06	54.35	6.79	37.74	25.77	1.21	29.16	17.25	6.79
1500	18.29	52.22	7.56	39.12	20.51	1.17	28.90	17.15	6.44
1600	18.39	50.30	8.35	36.88	16.83	1.15	28.75	16.94	6.19
1700	18.45	49.08	9.12	34.58	14.93	1.12	28.72	17.07	6.00
1800	18.44	47.90	9.91	33.65	13.36	1.10	28.94	16.99	5.78
1900	18.41	46.75	10.66	32.53	11.96	1.08	28.78	17.04	5.62
2000	18.37	46.09	11.31	31.21	11.28	1.07	28.50	16.91	5.48
2100	18.32	45.45	12.03	30.58	10.66	1.06	28.15	16.56	5.28
2200	18.25	44.85	12.76	29.64	10.13	1.05	27.70	16.36	5.15
2300	18.20	44.22	13.47	28.15	9.55	1.04	27.69	16.49	5.00
2400	18.22	43.83	14.19	27.17	9.17	1.03	27.53	16.33	4.87
2500	18.16	43.53	14.89	26.30	8.98	1.03	27.22	16.10	4.78
2600	18.17	43.16	15.69	25.32	8.63	1.02	26.96	15.86	4.74
2700	18.19	43.08	16.63	24.67	8.58	1.02	26.77	15.64	4.68
2800	18.22	42.52	17.28	24.06	8.04	1.01	26.49	15.37	4.65
2900	18.28	41.77	17.87	23.47	7.34	1.01	26.32	15.18	4.63
3000	18.34	41.35	18.52	23.11	6.96	1.01	25.87	14.85	4.44
3100	18.38	41.13	19.12	23.19	6.77	1.00	25.72	14.73	4.35
3300	18.52	40.71	20.07	23.12	6.37	1.00	25.27	14.43	4.29
3500	18.68	40.04	20.22	22.34	5.79	1.00	25.27	14.37	4.11
3700	18.97	39.58	19.65	22.29	5.31	1.00	25.05	14.06	4.05
3900	19.31	39.21	18.98	22.19	4.89	1.00	24.76	13.85	3.96
4100	19.61	40.11	18.94	20.73	5.22	1.00	24.59	13.64	3.83
4300	19.95	39.58	19.21	21.42	4.74	1.00	24.52	13.70	3.77
4500	19.76	40.48	19.99	20.18	5.36	0.99	25.22	14.31	3.73
4700	19.57	40.31	18.52	20.68	5.36	1.00	25.88	14.68	3.70
4900	19.10	39.64	17.00	22.12	5.22	1.01	26.94	15.99	3.71
5100	18.73	38.93	15.59	26.83	5.01	1.02	28.32	16.40	3.57
5300	18.03	38.76	14.06	27.76	5.26	1.03	28.61	17.00	3.71
5500	17.24	38.29	13.32	22.26	5.40	1.03	29.17	17.52	3.89
5700	15.85	38.74	12.63	17.90	6.55	1.03	28.45	16.98	4.00
5900	14.10	38.03	12.46	14.77	7.24	1.01	26.79	15.41	4.28
6100	12.31	36.55	11.94	13.25	7.35	1.00	24.60	12.96	4.73
6300	10.19	37.25	12.26	11.90	9.98	0.98	21.46	10.08	5.26
6500	7.86	38.26	12.83	10.71	14.42	0.96	17.82	7.24	6.02

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 = 74.65mA @ Temperature = -45°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)
1000	16.02	73.47	3.76	19.12	213.08	1.40	25.83	13.50	7.53
1100	17.06	73.50	4.37	21.93	209.03	1.36	27.70	15.25	7.05
1200	17.84	62.61	5.09	25.59	59.56	1.31	28.86	16.24	6.57
1300	18.39	57.39	5.83	30.31	32.89	1.26	29.53	16.75	6.13
1400	18.77	54.43	6.59	35.53	23.68	1.22	29.57	17.01	5.88
1500	19.01	52.20	7.33	37.55	18.62	1.18	29.53	16.88	5.54
1600	19.12	50.16	8.14	36.97	15.11	1.15	29.24	16.68	5.34
1700	19.19	48.93	8.93	35.31	13.39	1.13	29.27	16.81	5.17
1800	19.20	47.99	9.69	33.71	12.29	1.11	29.39	16.76	4.92
1900	19.15	46.83	10.46	32.87	11.04	1.09	29.27	16.88	4.81
2000	19.11	46.04	11.12	31.77	10.26	1.07	28.96	16.73	4.65
2100	19.08	45.43	11.78	31.13	9.72	1.06	28.57	16.41	4.46
2200	18.99	44.83	12.42	30.52	9.25	1.05	28.12	16.16	4.33
2300	18.95	44.21	13.07	29.26	8.73	1.05	28.17	16.37	4.23
2400	18.95	43.81	13.82	28.18	8.39	1.04	28.01	16.25	4.07
2500	18.91	43.38	14.48	26.90	8.08	1.03	27.67	16.04	3.97
2600	18.93	43.10	15.15	25.88	7.83	1.02	27.47	15.93	3.98
2700	18.95	42.98	16.10	24.96	7.75	1.02	27.20	15.68	3.87
2800	18.98	42.34	16.94	23.66	7.20	1.01	27.01	15.45	3.90
2900	19.04	41.70	17.64	22.86	6.67	1.01	26.84	15.27	3.84
3000	19.14	41.20	18.23	22.33	6.24	1.00	26.39	14.91	3.67
3100	19.19	40.88	18.54	22.40	5.99	1.00	26.21	14.81	3.58
3300	19.33	40.70	19.16	22.57	5.79	1.00	25.70	14.45	3.49
3500	19.56	40.00	19.23	22.05	5.20	1.00	25.79	14.47	3.38
3700	19.84	39.43	18.87	22.48	4.73	1.00	25.60	14.25	3.31
3900	20.27	39.00	18.13	23.08	4.28	1.00	25.38	14.00	3.21
4100	20.59	39.84	17.86	20.67	4.51	1.00	25.10	13.82	3.11
4300	21.10	39.52	18.18	20.26	4.11	0.99	24.78	13.74	3.01
4500	20.78	40.31	18.76	18.70	4.65	0.99	25.70	14.34	3.02
4700	20.58	40.17	17.99	19.35	4.68	1.00	26.16	14.65	2.96
4900	20.24	39.46	16.80	20.63	4.48	1.00	27.40	15.77	2.95
5100	19.66	39.10	15.67	23.69	4.59	1.01	28.67	16.44	2.87
5300	19.14	38.82	13.95	24.46	4.66	1.03	29.32	17.05	3.00
5500	18.30	38.63	12.93	20.99	4.95	1.03	30.34	17.34	3.19
5700	17.06	38.31	12.51	17.75	5.42	1.03	30.11	17.35	3.21
5900	15.46	37.58	12.18	15.31	5.90	1.02	28.88	16.46	3.44
6100	13.82	36.84	11.44	14.07	6.39	1.02	26.60	14.43	3.70
6300	11.85	36.83	11.22	12.94	7.86	1.01	23.56	11.66	4.21
6500	9.60	37.65	11.92	11.36	11.02	0.98	19.69	8.67	4.89

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 = 3.90V, Id = 73.45mA @ Temperature = -45°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)
1000	15.34	72.04	3.81	18.35	196.91	1.40	25.01	12.75	7.63
1100	16.33	69.38	4.43	20.84	142.48	1.35	26.64	14.50	7.16
1200	17.07	61.90	5.14	24.09	60.24	1.30	27.74	15.58	6.67
1300	17.62	57.16	5.86	28.51	35.06	1.26	28.44	16.15	6.27
1400	18.00	54.36	6.58	35.71	25.66	1.22	28.55	16.41	5.97
1500	18.27	52.26	7.29	44.56	20.35	1.19	28.49	16.36	5.69
1600	18.41	50.24	8.06	41.18	16.48	1.16	28.44	16.25	5.45
1700	18.52	48.95	8.81	34.04	14.45	1.13	28.39	16.32	5.26
1800	18.57	47.91	9.53	30.85	13.04	1.11	28.62	16.32	5.05
1900	18.54	46.66	10.27	28.95	11.54	1.09	28.55	16.41	4.92
2000	18.53	45.85	10.89	27.26	10.68	1.08	28.31	16.29	4.74
2100	18.52	45.23	11.49	26.31	10.06	1.07	27.94	16.08	4.60
2200	18.47	44.60	12.10	25.70	9.50	1.06	27.58	15.88	4.45
2300	18.41	44.01	12.69	24.97	9.01	1.05	27.50	16.01	4.33
2400	18.44	43.56	13.34	24.37	8.59	1.04	27.18	15.89	4.18
2500	18.39	43.11	13.97	23.74	8.25	1.03	27.01	15.73	4.11
2600	18.42	42.81	14.57	23.23	7.99	1.03	26.76	15.55	4.12
2700	18.43	42.66	15.39	22.73	7.88	1.02	26.57	15.40	4.02
2800	18.47	42.06	16.10	21.89	7.34	1.02	26.31	15.16	4.00
2900	18.51	41.48	16.70	21.38	6.86	1.01	26.19	15.02	4.04
3000	18.59	40.95	17.19	20.98	6.41	1.01	25.83	14.74	3.83
3100	18.63	40.71	17.49	21.09	6.22	1.01	25.61	14.64	3.73
3300	18.74	40.40	18.03	21.05	5.94	1.00	25.14	14.32	3.65
3500	18.97	39.97	18.16	20.66	5.51	1.00	24.99	14.35	3.49
3700	19.27	39.70	18.17	20.53	5.16	1.00	24.80	14.08	3.38
3900	19.68	39.25	17.84	20.21	4.68	1.00	24.59	13.87	3.31
4100	20.05	39.72	17.60	18.25	4.70	0.99	24.55	13.77	3.18
4300	20.42	39.64	18.29	17.39	4.46	0.99	24.36	13.81	3.19
4500	20.31	40.18	18.83	16.53	4.79	0.98	25.11	14.37	3.07
4700	20.18	39.50	18.05	17.46	4.51	0.99	25.68	14.59	3.02
4900	19.94	38.86	16.82	19.43	4.32	1.00	26.66	15.55	2.98
5100	19.23	38.15	15.59	24.09	4.32	1.01	27.99	16.20	3.09
5300	18.88	37.67	13.66	30.24	4.21	1.03	28.26	16.80	2.92
5500	17.85	37.78	12.52	24.36	4.73	1.04	27.28	16.90	3.10
5700	16.32	37.32	12.03	18.73	5.26	1.04	26.69	16.84	3.26
5900	14.50	36.99	11.62	15.75	6.12	1.03	25.12	15.73	3.55
6100	12.65	36.26	11.10	14.15	6.80	1.02	22.99	13.44	3.92
6300	10.55	36.27	10.93	12.96	8.51	1.02	20.84	10.56	4.55
6500	8.24	36.66	11.53	11.48	11.46	0.99	17.31	7.53	5.27

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 = 74.93mA @ Temperature = -45°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)
1000	16.10	73.49	3.74	19.26	211.18	1.41	25.90	13.65	7.53
1100	17.16	73.53	4.36	22.14	207.14	1.36	27.77	15.39	7.08
1200	17.93	62.59	5.07	25.87	58.69	1.31	29.02	16.37	6.56
1300	18.49	57.39	5.82	30.58	32.49	1.26	29.53	16.83	6.14
1400	18.85	54.40	6.57	35.31	23.36	1.22	29.69	17.08	5.88
1500	19.09	52.17	7.31	36.51	18.36	1.18	29.54	16.98	5.56
1600	19.20	50.14	8.13	36.09	14.93	1.15	29.37	16.75	5.36
1700	19.26	48.90	8.92	34.98	13.23	1.13	29.32	16.89	5.15
1800	19.27	47.97	9.67	33.89	12.17	1.11	29.39	16.83	4.93
1900	19.21	46.84	10.45	33.46	10.97	1.09	29.44	16.96	4.78
2000	19.17	46.05	11.11	32.57	10.20	1.07	29.13	16.80	4.63
2100	19.13	45.38	11.76	32.06	9.61	1.06	28.72	16.46	4.45
2200	19.04	44.80	12.41	31.41	9.16	1.05	28.30	16.23	4.32
2300	19.00	44.23	13.07	30.00	8.70	1.05	28.30	16.45	4.18
2400	19.00	43.83	13.82	28.70	8.37	1.04	28.12	16.32	4.05
2500	18.95	43.43	14.49	27.28	8.08	1.03	27.79	16.12	3.99
2600	18.98	43.14	15.17	26.15	7.83	1.03	27.63	15.98	3.96
2700	19.00	43.04	16.12	25.13	7.76	1.02	27.36	15.72	3.88
2800	19.03	42.40	16.97	23.77	7.21	1.01	27.12	15.50	3.85
2900	19.10	41.75	17.71	22.90	6.67	1.01	26.95	15.30	3.87
3000	19.19	41.25	18.33	22.30	6.23	1.00	26.47	14.97	3.66
3100	19.24	40.92	18.62	22.35	5.98	1.00	26.35	14.87	3.62
3300	19.39	40.74	19.21	22.35	5.77	1.00	25.83	14.48	3.51
3500	19.62	40.05	19.30	21.80	5.20	1.00	25.93	14.52	3.38
3700	19.89	39.49	18.95	22.17	4.73	1.00	25.70	14.32	3.25
3900	20.33	39.07	18.18	22.88	4.29	1.00	25.48	14.06	3.22
4100	20.66	39.98	17.96	20.65	4.56	1.00	25.14	13.87	3.09
4300	21.14	39.59	18.24	20.45	4.13	0.99	24.92	13.77	3.07
4500	20.82	40.37	18.85	18.93	4.67	0.99	25.77	14.43	3.01
4700	20.60	40.21	17.96	19.65	4.69	1.00	26.27	14.67	2.98
4900	20.25	39.47	16.84	20.98	4.49	1.00	27.63	15.87	2.93
5100	19.65	39.16	15.68	23.97	4.63	1.01	28.98	16.38	2.97
5300	19.13	38.91	13.96	24.07	4.71	1.03	29.63	17.18	2.88
5500	18.31	38.60	12.92	20.68	4.92	1.03	30.53	17.50	3.02
5700	17.10	38.33	12.54	17.44	5.41	1.03	30.42	17.45	3.18
5900	15.53	37.61	12.17	14.99	5.86	1.01	29.09	16.61	3.35
6100	13.91	36.82	11.44	13.77	6.30	1.02	26.77	14.61	3.71
6300	11.96	36.80	11.20	12.64	7.71	1.01	23.76	11.81	4.21
6500	9.71	37.62	11.93	11.14	10.82	0.98	19.93	8.80	4.88

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 = 78.64mA @ Temperature = +85°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)
1000	14.63	69.82	4.08	20.60	173.63	1.38	25.08	13.40	9.47
1100	15.61	74.61	4.72	24.16	294.05	1.33	26.86	15.13	8.94
1200	16.33	64.24	5.46	29.37	88.92	1.28	27.92	16.26	8.45
1300	16.83	58.04	6.23	38.65	43.77	1.24	28.52	16.82	7.97
1400	17.17	54.85	7.02	47.37	30.68	1.20	28.58	17.08	7.66
1500	17.39	52.53	7.81	41.08	23.87	1.17	28.43	17.03	7.31
1600	17.47	50.35	8.62	36.01	19.00	1.14	28.35	16.86	7.06
1700	17.52	48.98	9.40	33.35	16.55	1.11	28.27	16.99	6.85
1800	17.53	47.98	10.16	32.23	15.05	1.09	28.44	16.90	6.62
1900	17.48	46.83	10.90	31.18	13.50	1.08	28.39	16.91	6.45
2000	17.44	46.17	11.53	29.81	12.71	1.07	28.01	16.78	6.29
2100	17.40	45.51	12.24	29.03	11.96	1.06	27.66	16.44	6.10
2200	17.32	44.94	12.94	28.22	11.42	1.05	27.24	16.26	5.97
2300	17.28	44.53	13.68	27.35	11.02	1.04	27.25	16.26	5.81
2400	17.24	44.27	14.52	26.69	10.83	1.03	26.99	16.06	5.68
2500	17.21	43.65	15.23	25.59	10.17	1.03	26.74	15.82	5.57
2600	17.23	43.12	15.92	24.71	9.58	1.02	26.44	15.52	5.58
2700	17.24	42.90	16.74	24.20	9.38	1.02	26.27	15.31	5.49
2800	17.24	42.39	17.58	23.50	8.87	1.01	25.95	15.00	5.46
2900	17.28	42.05	18.50	22.99	8.51	1.01	25.83	14.84	5.45
3000	17.24	41.94	19.46	22.65	8.47	1.00	25.35	14.52	5.30
3100	17.37	41.20	20.00	22.36	7.67	1.00	25.20	14.37	5.17
3300	17.48	40.60	21.16	22.15	7.09	1.00	24.75	14.05	5.07
3500	17.66	40.17	21.70	21.48	6.61	1.00	24.70	13.91	4.90
3700	17.89	39.61	21.33	21.69	6.04	0.99	24.53	13.62	4.80
3900	18.19	39.49	20.97	21.66	5.76	0.99	24.32	13.42	4.70
4100	18.50	40.46	21.18	20.62	6.20	0.99	24.17	13.25	4.57
4300	18.75	40.21	21.56	21.03	5.87	0.99	24.13	13.40	4.47
4500	18.60	40.25	21.66	21.30	5.99	0.99	24.91	14.01	4.47
4700	18.43	39.70	19.63	22.23	5.73	1.00	25.63	14.48	4.38
4900	18.13	39.23	17.32	25.55	5.59	1.01	26.85	15.55	4.40
5100	17.72	39.08	15.46	32.39	5.72	1.02	27.87	16.28	4.39
5300	16.77	38.76	13.95	31.15	6.08	1.03	28.32	16.71	4.50
5500	15.94	38.92	13.34	21.26	6.72	1.03	28.55	17.20	4.66
5700	14.39	37.69	13.00	16.48	6.86	1.02	27.49	16.28	4.85
5900	12.65	37.64	12.88	13.97	8.15	1.00	25.61	14.20	5.25
6100	10.76	37.28	13.01	12.44	9.57	0.98	23.15	11.57	5.75
6300	8.53	37.45	13.45	11.36	12.42	0.96	19.75	8.66	6.41
6500	6.15	37.78	13.96	10.56	16.76	0.95	15.94	5.86	7.30

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 = 3.90V, Id = 76.71mA @ Temperature = +85°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)
1000	13.82	74.22	4.16	20.39	319.38	1.37	23.93	12.43	9.52
1100	14.74	72.13	4.79	23.82	246.18	1.33	25.57	14.07	9.03
1200	15.43	61.53	5.53	28.48	72.54	1.28	26.67	15.16	8.51
1300	15.93	56.79	6.28	32.56	42.23	1.23	27.18	15.67	8.07
1400	16.27	53.99	7.04	32.72	30.81	1.20	27.30	15.95	7.75
1500	16.52	51.83	7.79	30.14	24.30	1.16	27.16	15.95	7.43
1600	16.63	49.74	8.57	28.06	19.46	1.14	27.14	15.91	7.21
1700	16.71	48.39	9.30	26.48	16.93	1.11	27.07	15.98	6.98
1800	16.75	47.43	10.03	25.44	15.38	1.09	27.31	15.92	6.75
1900	16.73	46.29	10.73	24.65	13.75	1.08	27.27	15.93	6.57
2000	16.71	45.60	11.33	23.88	12.86	1.07	26.93	15.80	6.47
2100	16.69	44.89	11.98	23.48	12.01	1.06	26.70	15.65	6.26
2200	16.62	44.31	12.64	23.17	11.42	1.05	26.31	15.49	6.11
2300	16.59	43.86	13.31	22.88	10.97	1.04	26.20	15.27	6.00
2400	16.58	43.56	14.06	22.87	10.70	1.03	25.93	15.07	5.83
2500	16.54	42.91	14.70	22.46	10.02	1.03	25.71	14.89	5.70
2600	16.55	42.37	15.30	22.01	9.44	1.02	25.50	14.58	5.72
2700	16.56	42.15	16.02	21.83	9.24	1.02	25.37	14.53	5.63
2800	16.55	41.63	16.73	21.43	8.74	1.01	25.09	14.18	5.60
2900	16.58	41.24	17.49	21.17	8.36	1.01	24.91	14.03	5.60
3000	16.56	41.06	18.31	21.04	8.23	1.00	24.54	13.76	5.41
3100	16.64	40.41	18.76	20.77	7.57	1.00	24.44	13.64	5.28
3300	16.72	39.91	19.83	20.70	7.11	1.00	24.08	13.38	5.20
3500	16.88	39.49	20.40	19.96	6.65	0.99	23.82	13.18	5.04
3700	17.07	39.05	20.40	19.49	6.18	0.99	23.70	12.94	4.92
3900	17.37	38.99	20.33	18.64	5.92	0.99	23.53	12.69	4.82
4100	17.69	39.77	20.72	17.10	6.21	0.98	23.47	12.61	4.69
4300	18.00	39.41	21.34	16.66	5.75	0.98	23.45	12.74	4.59
4500	17.95	39.32	21.64	16.59	5.72	0.98	24.07	13.29	4.52
4700	17.88	38.70	19.73	17.15	5.36	0.99	24.77	13.79	4.45
4900	17.65	38.12	17.29	19.07	5.14	1.00	25.78	14.68	4.45
5100	17.24	37.88	15.17	22.81	5.23	1.02	27.09	15.56	4.47
5300	16.19	37.55	13.46	26.82	5.62	1.04	27.58	16.01	4.56
5500	15.11	37.74	12.74	21.95	6.42	1.04	27.41	16.07	4.76
5700	13.29	36.82	12.36	16.46	6.98	1.02	26.19	14.88	4.98
5900	11.32	36.86	12.34	13.91	8.63	1.01	24.00	12.62	5.42
6100	9.24	36.41	12.54	12.50	10.24	0.99	21.34	9.94	6.04
6300	6.98	36.31	13.00	11.57	13.01	0.97	17.67	7.12	6.81
6500	4.62	36.65	13.50	10.81	17.57	0.95	13.50	4.39	7.78

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 = 78.86mA @ Temperature = +85°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)
1000	14.74	68.22	4.07	20.67	142.31	1.38	25.22	13.54	9.47
1100	15.73	73.98	4.70	24.23	269.12	1.33	27.01	15.30	8.94
1200	16.46	64.75	5.45	29.33	92.79	1.28	28.24	16.39	8.41
1300	16.96	58.29	6.23	37.26	44.37	1.24	28.76	16.95	7.93
1400	17.29	55.01	7.02	45.38	30.82	1.20	28.72	17.21	7.65
1500	17.50	52.65	7.81	42.90	23.88	1.17	28.68	17.15	7.25
1600	17.58	50.46	8.63	37.89	19.03	1.14	28.48	16.96	7.00
1700	17.62	49.07	9.41	34.99	16.54	1.11	28.45	17.12	6.84
1800	17.62	48.09	10.17	33.86	15.09	1.09	28.57	16.99	6.60
1900	17.56	46.97	10.92	32.63	13.59	1.08	28.58	17.04	6.43
2000	17.52	46.29	11.56	30.97	12.77	1.07	28.21	16.90	6.25
2100	17.47	45.62	12.26	29.89	12.02	1.06	27.72	16.54	6.05
2200	17.39	45.07	12.97	28.79	11.50	1.05	27.39	16.36	5.95
2300	17.34	44.65	13.71	27.63	11.10	1.04	27.39	16.36	5.80
2400	17.31	44.40	14.56	26.70	10.91	1.03	27.15	16.15	5.67
2500	17.27	43.77	15.29	25.46	10.24	1.03	26.86	15.91	5.56
2600	17.29	43.25	15.99	24.54	9.66	1.02	26.61	15.63	5.53
2700	17.30	43.06	16.83	23.96	9.49	1.01	26.31	15.38	5.46
2800	17.30	42.54	17.68	23.24	8.96	1.01	26.10	15.10	5.46
2900	17.35	42.16	18.60	22.67	8.55	1.01	25.91	14.91	5.41
3000	17.35	42.00	19.61	22.16	8.42	1.00	25.48	14.59	5.28
3100	17.44	41.30	20.14	21.99	7.70	1.00	25.36	14.44	5.14
3300	17.55	40.76	21.39	21.67	7.16	1.00	24.85	14.11	5.06
3500	17.75	40.32	21.96	21.02	6.65	0.99	24.82	13.99	4.89
3700	17.98	39.76	21.62	21.25	6.09	0.99	24.63	13.70	4.78
3900	18.29	39.64	21.22	21.41	5.79	0.99	24.41	13.47	4.70
4100	18.59	40.66	21.48	20.78	6.28	0.99	24.20	13.31	4.53
4300	18.84	40.39	21.90	21.69	5.93	0.99	24.22	13.47	4.49
4500	18.67	40.50	21.83	22.26	6.13	1.00	25.03	14.09	4.44
4700	18.48	39.90	19.55	23.48	5.83	1.00	25.73	14.56	4.38
4900	18.16	39.40	17.28	27.55	5.69	1.01	26.96	15.65	4.37
5100	17.74	39.22	15.45	32.93	5.80	1.02	28.03	16.34	4.40
5300	16.81	38.96	13.97	28.22	6.18	1.03	28.38	16.75	4.52
5500	16.04	39.12	13.41	20.37	6.79	1.03	28.81	17.35	4.68
5700	14.54	37.79	13.07	16.12	6.81	1.01	27.75	16.45	4.83
5900	12.85	37.79	12.99	13.72	8.10	1.00	25.92	14.45	5.20
6100	10.97	37.44	13.14	12.18	9.48	0.98	23.56	11.81	5.72
6300	8.76	37.53	13.60	11.10	12.16	0.96	20.03	8.90	6.40
6500	6.37	37.97	14.16	10.31	16.65	0.94	16.22	6.09	7.29

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Definitions:

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

TEST CONDITIONS: Vd = 2.80V, Id = 73.30mA @ 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)
1000	12.96	71.69	4.18	17.90	262.50	1.36	21.67	10.54	8.91
1100	13.79	62.99	4.79	19.63	95.32	1.32	22.81	11.53	8.45
1200	14.42	57.67	5.49	21.27	51.74	1.27	23.62	12.20	7.99
1300	14.90	54.42	6.17	22.22	35.69	1.23	23.98	12.45	7.53
1400	15.25	52.20	6.86	22.35	27.79	1.20	24.09	12.65	7.28
1500	15.52	50.46	7.53	21.84	22.88	1.17	24.07	12.76	6.93
1600	15.68	48.80	8.20	21.10	19.13	1.14	24.31	12.95	6.71
1700	15.80	47.67	8.85	20.29	16.94	1.12	24.19	12.96	6.57
1800	15.86	46.50	9.52	19.65	15.00	1.10	24.49	13.06	6.33
1900	15.89	45.38	10.13	19.00	13.33	1.08	24.64	13.17	6.15
2000	15.91	44.73	10.65	18.38	12.47	1.07	24.37	13.13	6.02
2100	15.92	44.07	11.24	17.98	11.66	1.05	24.43	13.33	5.82
2200	15.89	43.41	11.81	17.67	10.95	1.04	24.13	13.27	5.72
2300	15.88	42.72	12.35	17.29	10.19	1.04	23.90	12.95	5.59
2400	15.90	42.25	12.88	17.02	9.68	1.03	23.67	12.79	5.44
2500	15.86	41.87	13.40	16.78	9.36	1.02	23.65	12.79	5.32
2600	15.87	41.43	13.97	16.54	8.92	1.01	23.45	12.48	5.31
2700	15.87	41.25	14.62	16.45	8.79	1.01	23.47	12.61	5.22
2800	15.88	40.69	15.05	16.15	8.24	1.00	23.25	12.40	5.21
2900	15.90	39.98	15.43	15.81	7.59	1.00	23.14	12.34	5.21
3000	15.93	39.56	15.87	15.59	7.22	0.99	23.04	12.31	4.96
3100	15.92	39.37	16.31	15.45	7.07	0.99	22.85	12.20	4.90
3300	15.97	39.10	17.15	15.21	6.84	0.99	22.61	12.10	4.83
3500	16.04	38.53	17.52	14.49	6.33	0.98	22.09	11.86	4.61
3700	16.25	38.30	17.68	13.82	5.99	0.97	21.96	11.58	4.50
3900	16.57	38.12	17.88	12.92	5.61	0.96	21.84	11.36	4.34
4100	16.90	38.53	18.38	11.88	5.59	0.94	21.95	11.35	4.19
4300	17.32	37.82	19.33	11.66	4.91	0.94	21.96	11.50	4.07
4500	17.42	37.96	20.38	11.52	4.93	0.93	22.27	11.86	3.99
4700	17.52	37.32	19.26	12.03	4.55	0.94	22.99	12.29	3.89
4900	17.34	36.48	17.12	13.39	4.26	0.97	23.71	12.93	3.86
5100	16.96	35.71	14.70	15.64	4.11	1.00	25.34	13.68	3.89
5300	16.01	35.44	12.59	16.85	4.39	1.02	25.43	14.13	3.96
5500	14.50	35.33	11.56	15.28	5.04	1.02	24.33	13.51	4.18
5700	12.41	35.64	11.06	13.00	6.44	1.01	23.29	12.70	4.47
5900	10.09	35.63	11.03	11.36	8.18	0.99	21.24	10.74	4.95
6100	7.89	34.56	10.92	10.37	9.10	0.97	18.57	8.26	5.56
6300	5.62	34.20	11.36	9.89	11.27	0.96	15.23	5.59	6.33
6500	3.31	34.36	11.82	9.40	14.85	0.94	11.46	2.87	7.28

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 = 2.66V, Id = 72.27mA @ 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)
1000	12.70	69.87	4.20	17.62	219.59	1.36	21.04	9.93	8.96
1100	13.52	62.28	4.81	19.16	90.74	1.31	22.08	10.73	8.50
1200	14.14	57.35	5.50	20.53	51.52	1.27	22.85	11.34	8.02
1300	14.61	54.20	6.18	21.28	35.94	1.23	23.18	11.58	7.59
1400	14.96	52.02	6.86	21.33	28.10	1.20	23.33	11.79	7.34
1500	15.23	50.29	7.52	20.88	23.18	1.17	23.33	11.89	6.97
1600	15.39	48.64	8.19	20.24	19.36	1.14	23.60	12.12	6.74
1700	15.51	47.51	8.82	19.52	17.16	1.12	23.48	12.12	6.61
1800	15.58	46.38	9.48	18.94	15.24	1.10	23.79	12.24	6.37
1900	15.62	45.26	10.08	18.34	13.54	1.08	23.94	12.39	6.23
2000	15.64	44.62	10.60	17.76	12.66	1.07	23.71	12.37	6.08
2100	15.65	43.94	11.17	17.37	11.82	1.05	23.81	12.61	5.89
2200	15.62	43.28	11.73	17.06	11.09	1.04	23.50	12.54	5.74
2300	15.61	42.60	12.27	16.70	10.33	1.03	23.33	12.28	5.64
2400	15.64	42.12	12.79	16.43	9.80	1.03	23.09	12.09	5.48
2500	15.60	41.76	13.29	16.19	9.48	1.02	23.09	12.09	5.40
2600	15.60	41.31	13.85	15.94	9.04	1.01	22.89	11.86	5.40
2700	15.60	41.12	14.48	15.84	8.88	1.01	22.95	11.97	5.32
2800	15.61	40.55	14.90	15.54	8.33	1.00	22.71	11.76	5.29
2900	15.63	39.85	15.28	15.21	7.67	1.00	22.65	11.74	5.27
3000	15.65	39.42	15.72	14.98	7.30	0.99	22.59	11.75	5.06
3100	15.64	39.24	16.15	14.83	7.16	0.99	22.39	11.67	4.99
3300	15.68	38.99	17.00	14.57	6.94	0.98	22.20	11.64	4.87
3500	15.74	38.42	17.39	13.87	6.43	0.97	21.66	11.34	4.67
3700	15.95	38.21	17.61	13.21	6.10	0.97	21.56	11.07	4.55
3900	16.26	38.04	17.90	12.35	5.71	0.95	21.42	10.86	4.40
4100	16.59	38.41	18.45	11.38	5.66	0.94	21.59	10.88	4.26
4300	17.02	37.67	19.48	11.18	4.96	0.93	21.57	11.07	4.08
4500	17.14	37.74	20.59	11.10	4.92	0.93	21.83	11.36	4.06
4700	17.28	37.07	19.43	11.63	4.52	0.94	22.57	11.85	3.96
4900	17.12	36.20	17.10	12.97	4.21	0.96	23.23	12.13	3.89
5100	16.74	35.44	14.56	15.04	4.06	0.99	24.85	13.38	3.94
5300	15.76	35.17	12.42	15.93	4.35	1.02	25.02	13.41	3.96
5500	14.20	35.11	11.41	14.37	5.04	1.02	23.81	12.72	4.16
5700	12.05	35.41	10.94	12.31	6.46	1.00	22.71	11.93	4.45
5900	9.70	35.41	10.93	10.85	8.24	0.98	20.63	10.05	4.93
6100	7.49	34.36	10.87	9.95	9.21	0.96	17.92	7.64	5.61
6300	5.21	33.92	11.32	9.53	11.33	0.95	14.55	5.10	6.45
6500	2.90	34.01	11.78	9.10	14.81	0.93	11.07	2.38	7.44

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 = 3.00V, Id = 74.47mA @ 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)
1000	13.31	73.93	4.14	18.19	324.99	1.36	22.41	11.19	8.84
1100	14.16	63.75	4.76	20.20	99.36	1.32	23.70	12.40	8.38
1200	14.81	58.21	5.45	22.27	52.54	1.28	24.52	13.20	7.90
1300	15.30	54.80	6.15	23.63	35.62	1.24	24.89	13.50	7.45
1400	15.65	52.51	6.84	23.95	27.50	1.20	25.00	13.69	7.19
1500	15.92	50.71	7.52	23.35	22.52	1.17	24.96	13.76	6.87
1600	16.08	49.00	8.21	22.45	18.72	1.14	25.16	13.91	6.61
1700	16.20	47.86	8.87	21.47	16.58	1.12	25.01	13.90	6.48
1800	16.26	46.72	9.54	20.71	14.75	1.10	25.31	13.98	6.25
1900	16.29	45.57	10.18	19.98	13.07	1.08	25.40	14.08	6.08
2000	16.31	44.89	10.72	19.29	12.19	1.07	25.13	14.00	5.93
2100	16.31	44.22	11.31	18.87	11.40	1.06	25.13	14.11	5.75
2200	16.28	43.58	11.91	18.55	10.72	1.05	24.78	14.03	5.59
2300	16.26	42.88	12.46	18.15	9.99	1.04	24.56	13.73	5.50
2400	16.29	42.43	13.01	17.87	9.50	1.03	24.33	13.57	5.35
2500	16.25	42.07	13.54	17.64	9.20	1.02	24.29	13.52	5.26
2600	16.25	41.62	14.12	17.39	8.78	1.02	24.11	13.24	5.21
2700	16.26	41.44	14.79	17.32	8.63	1.01	24.08	13.29	5.14
2800	16.28	40.86	15.23	17.01	8.08	1.01	23.86	13.05	5.13
2900	16.30	40.16	15.63	16.66	7.44	1.00	23.74	12.97	5.11
3000	16.33	39.74	16.07	16.45	7.08	1.00	23.57	12.86	4.92
3100	16.33	39.54	16.51	16.33	6.93	1.00	23.40	12.77	4.85
3300	16.39	39.27	17.32	16.14	6.69	0.99	23.13	12.63	4.73
3500	16.47	38.66	17.63	15.38	6.16	0.98	22.65	12.42	4.53
3700	16.70	38.40	17.69	14.70	5.81	0.98	22.49	12.11	4.42
3900	17.01	38.20	17.79	13.74	5.43	0.97	22.36	11.91	4.31
4100	17.34	38.68	18.20	12.58	5.46	0.95	22.45	11.84	4.14
4300	17.75	38.03	19.01	12.32	4.84	0.95	22.43	11.95	4.01
4500	17.80	38.25	20.04	12.11	4.92	0.94	22.80	12.39	3.96
4700	17.88	37.66	19.03	12.60	4.58	0.95	23.63	12.80	3.88
4900	17.65	36.90	17.10	13.96	4.34	0.97	24.21	13.55	3.88
5100	17.27	36.05	14.87	16.49	4.14	1.00	25.60	14.32	3.84
5300	16.37	35.74	12.77	18.00	4.39	1.03	25.78	14.84	3.99
5500	14.94	35.77	11.81	16.88	5.10	1.03	24.96	14.37	4.09
5700	12.90	35.98	11.21	14.11	6.41	1.02	23.95	13.58	4.36
5900	10.64	35.96	11.16	12.13	8.09	1.00	21.96	11.57	4.86
6100	8.45	34.80	11.04	10.99	8.91	0.98	19.37	9.00	5.44
6300	6.16	35.08	11.40	10.36	11.85	0.97	16.12	6.30	6.18
6500	3.91	35.01	11.83	9.83	15.11	0.95	12.08	3.53	7.14

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 = 2.80V, Id = 70.79mA @ Temperature = -45°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)
1000	13.84	70.65	3.97	17.91	204.25	1.38	22.55	11.06	7.82
1100	14.72	64.70	4.59	20.26	101.90	1.34	23.65	12.17	7.40
1200	15.39	59.43	5.28	23.36	55.74	1.29	24.54	12.91	6.95
1300	15.90	55.79	5.97	27.63	36.78	1.25	24.99	13.16	6.53
1400	16.28	53.45	6.64	33.66	28.25	1.22	25.18	13.37	6.30
1500	16.57	51.58	7.28	36.51	22.91	1.19	25.20	13.44	5.96
1600	16.75	49.70	7.98	32.97	18.69	1.16	25.50	13.67	5.77
1700	16.89	48.43	8.64	28.71	16.31	1.13	25.34	13.62	5.58
1800	16.98	47.49	9.29	25.94	14.78	1.11	25.62	13.73	5.38
1900	17.01	46.32	9.93	24.09	13.10	1.10	25.74	13.81	5.21
2000	17.04	45.47	10.48	22.62	11.99	1.08	25.48	13.76	5.07
2100	17.06	44.79	11.02	21.64	11.17	1.07	25.68	14.04	4.90
2200	17.03	44.14	11.54	21.01	10.48	1.06	25.39	14.05	4.78
2300	17.02	43.46	12.05	20.39	9.77	1.05	25.03	13.60	4.63
2400	17.05	42.96	12.61	19.96	9.26	1.04	24.76	13.45	4.48
2500	17.03	42.49	13.09	19.51	8.84	1.04	24.74	13.42	4.46
2600	17.05	42.15	13.58	19.13	8.51	1.03	24.43	13.09	4.43
2700	17.07	41.97	14.24	18.87	8.36	1.02	24.65	13.27	4.34
2800	17.09	41.31	14.80	18.34	7.76	1.02	24.29	13.05	4.35
2900	17.13	40.67	15.27	17.98	7.19	1.01	24.22	13.02	4.33
3000	17.19	40.16	15.65	17.76	6.76	1.01	24.13	13.03	4.12
3100	17.20	39.87	15.87	17.79	6.53	1.01	23.95	12.93	4.00
3300	17.27	39.82	16.37	18.25	6.47	1.00	23.82	12.96	3.91
3500	17.40	39.31	16.56	17.35	6.00	1.00	23.27	12.73	3.75
3700	17.64	39.02	16.81	16.83	5.64	1.00	23.11	12.52	3.67
3900	18.06	38.77	16.93	15.82	5.21	0.99	22.90	12.21	3.53
4100	18.44	39.30	17.30	14.11	5.24	0.97	22.94	12.29	3.39
4300	19.01	38.62	18.26	13.81	4.55	0.96	22.98	12.32	3.21
4500	18.98	38.73	19.34	13.56	4.62	0.96	23.28	12.71	3.21
4700	19.07	38.07	18.90	14.54	4.28	0.97	24.05	13.09	3.15
4900	18.95	37.03	17.16	16.52	3.89	0.99	24.28	13.29	3.11
5100	18.41	36.33	15.20	21.02	3.84	1.01	26.03	13.95	3.10
5300	17.71	35.85	12.87	24.87	3.88	1.03	26.69	14.83	3.13
5500	16.29	35.67	11.47	19.91	4.36	1.04	25.82	14.37	3.33
5700	14.36	35.50	10.95	15.65	5.19	1.04	25.07	14.07	3.48
5900	12.17	35.26	10.68	13.60	6.33	1.02	23.35	12.85	3.90
6100	10.05	34.56	10.31	12.32	7.28	1.02	20.77	10.80	4.41
6300	7.80	33.95	10.31	11.37	8.64	1.00	17.99	8.25	5.07
6500	5.46	34.14	10.91	10.29	11.41	0.97	13.59	5.34	5.94

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 = 2.66V, Id = 71.05mA @ Temperature = -45°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)
1000	13.60	70.97	4.00	17.93	218.64	1.38	21.92	10.52	7.93
1100	14.47	64.18	4.62	20.26	99.24	1.33	22.93	11.46	7.46
1200	15.13	59.14	5.31	23.27	55.68	1.29	23.74	12.12	6.99
1300	15.63	55.52	5.99	27.11	36.87	1.25	24.15	12.37	6.58
1400	16.01	53.23	6.66	31.24	28.45	1.21	24.30	12.56	6.30
1500	16.29	51.41	7.30	32.28	23.20	1.18	24.38	12.67	6.03
1600	16.48	49.55	7.98	30.04	18.94	1.16	24.72	12.92	5.78
1700	16.63	48.32	8.64	27.10	16.58	1.13	24.53	12.87	5.61
1800	16.72	47.31	9.28	24.82	14.92	1.11	24.83	13.00	5.41
1900	16.75	46.10	9.92	23.21	13.15	1.09	24.90	13.10	5.28
2000	16.77	45.26	10.46	21.81	12.03	1.08	24.78	13.06	5.11
2100	16.81	44.62	10.98	20.90	11.25	1.07	24.94	13.39	4.94
2200	16.79	43.94	11.49	20.29	10.50	1.06	24.76	13.42	4.83
2300	16.76	43.32	11.97	19.70	9.89	1.05	24.36	12.95	4.74
2400	16.80	42.79	12.50	19.23	9.31	1.04	24.11	12.78	4.58
2500	16.78	42.32	12.99	18.83	8.89	1.03	24.13	12.77	4.47
2600	16.80	42.00	13.47	18.49	8.58	1.03	23.77	12.42	4.46
2700	16.82	41.78	14.12	18.22	8.40	1.02	24.01	12.64	4.39
2800	16.85	41.14	14.67	17.75	7.80	1.01	23.71	12.44	4.40
2900	16.88	40.55	15.13	17.44	7.29	1.01	23.66	12.38	4.36
3000	16.94	40.02	15.51	17.21	6.81	1.01	23.60	12.46	4.16
3100	16.95	39.78	15.78	17.24	6.63	1.00	23.40	12.37	4.08
3300	17.00	39.49	16.22	17.29	6.40	1.00	23.36	12.42	3.98
3500	17.13	39.10	16.45	16.63	6.02	1.00	22.77	12.16	3.78
3700	17.39	39.01	16.81	16.02	5.78	0.99	22.58	11.97	3.68
3900	17.76	38.73	17.00	15.00	5.33	0.98	22.34	11.69	3.55
4100	18.16	38.91	17.28	13.57	5.15	0.97	22.50	11.79	3.40
4300	18.59	38.52	18.31	13.06	4.68	0.96	22.46	11.81	3.35
4500	18.73	38.58	19.19	12.83	4.64	0.95	22.77	12.17	3.21
4700	18.84	37.69	18.79	13.78	4.18	0.96	23.63	12.56	3.19
4900	18.78	36.84	17.26	15.74	3.86	0.98	23.73	12.72	3.08
5100	18.18	36.03	15.08	19.45	3.79	1.01	25.50	13.34	3.13
5300	17.60	35.37	12.60	22.55	3.70	1.03	26.11	14.24	3.07
5500	16.07	35.50	11.38	19.09	4.37	1.04	24.87	13.67	3.31
5700	14.04	35.29	10.77	15.25	5.23	1.04	24.24	13.30	3.55
5900	11.79	35.28	10.63	13.20	6.59	1.02	22.50	12.09	3.95
6100	9.66	34.37	10.27	11.93	7.40	1.01	19.98	10.12	4.48
6300	7.33	34.10	10.27	10.99	9.20	1.00	17.28	7.73	5.22
6500	5.01	34.06	10.85	10.04	11.82	0.97	12.97	4.88	6.10

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 = 3.00V, Id = 71.93mA @ Temperature = -45°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)
1000	14.21	70.57	3.92	17.95	192.23	1.38	23.28	11.54	7.82
1100	15.11	64.98	4.53	20.33	99.99	1.34	24.51	12.96	7.31
1200	15.79	59.79	5.23	23.49	55.14	1.29	25.52	13.76	6.86
1300	16.32	56.02	5.91	27.92	35.88	1.25	26.03	14.10	6.46
1400	16.70	53.61	6.59	34.85	27.35	1.22	26.24	14.30	6.18
1500	16.98	51.69	7.25	38.41	22.09	1.19	26.25	14.36	5.88
1600	17.16	49.78	7.96	34.06	17.99	1.16	26.48	14.53	5.64
1700	17.30	48.55	8.64	29.31	15.78	1.13	26.34	14.48	5.49
1800	17.38	47.51	9.30	26.51	14.16	1.11	26.60	14.56	5.28
1900	17.40	46.27	9.96	24.67	12.47	1.10	26.67	14.66	5.14
2000	17.41	45.45	10.52	23.13	11.47	1.08	26.43	14.59	5.02
2100	17.43	44.83	11.06	22.17	10.76	1.07	26.46	14.76	4.78
2200	17.41	44.15	11.60	21.55	10.07	1.06	26.14	14.73	4.70
2300	17.36	43.50	12.11	20.94	9.46	1.05	25.83	14.38	4.59
2400	17.41	43.02	12.67	20.48	8.97	1.04	25.55	14.26	4.43
2500	17.38	42.55	13.19	20.06	8.57	1.04	25.47	14.23	4.33
2600	17.39	42.24	13.70	19.71	8.29	1.03	25.16	13.88	4.35
2700	17.41	42.07	14.39	19.44	8.16	1.02	25.24	14.01	4.24
2800	17.45	41.44	14.96	18.91	7.58	1.02	24.99	13.77	4.27
2900	17.47	40.84	15.43	18.58	7.08	1.01	24.88	13.69	4.21
3000	17.53	40.31	15.82	18.32	6.63	1.01	24.74	13.64	4.03
3100	17.54	40.08	16.06	18.39	6.45	1.01	24.54	13.57	3.96
3300	17.60	39.77	16.49	18.49	6.20	1.00	24.30	13.54	3.85
3500	17.77	39.44	16.69	17.81	5.86	1.00	23.96	13.36	3.71
3700	18.03	39.34	16.95	17.21	5.61	1.00	23.71	13.12	3.61
3900	18.45	39.14	17.03	16.22	5.21	0.99	23.51	12.87	3.47
4100	18.86	39.40	17.26	14.67	5.08	0.98	23.62	12.90	3.32
4300	19.36	39.03	18.33	14.12	4.60	0.97	23.60	12.93	3.22
4500	19.35	39.20	19.46	13.80	4.69	0.96	23.87	13.34	3.16
4700	19.38	38.23	18.86	14.88	4.22	0.97	24.52	13.66	3.11
4900	19.25	37.42	17.19	16.97	3.94	0.99	24.91	14.02	3.08
5100	18.61	36.55	15.35	21.54	3.86	1.01	26.35	14.65	3.09
5300	18.03	35.97	13.02	26.91	3.80	1.03	27.41	15.52	3.12
5500	16.67	36.06	11.65	21.44	4.38	1.04	27.14	15.25	3.33
5700	14.79	35.71	11.10	16.43	5.10	1.04	26.50	15.00	3.47
5900	12.66	35.56	10.80	14.13	6.24	1.03	24.70	13.81	3.77
6100	10.59	34.83	10.40	12.66	7.10	1.02	21.88	11.67	4.25
6300	8.35	34.49	10.40	11.64	8.69	1.01	18.84	8.96	4.93
6500	6.01	34.61	10.99	10.48	11.38	0.98	14.49	5.95	5.76

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 = 2.80V, Id = 73.34mA @ Temperature = +85°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)
1000	12.38	77.68	4.28	19.02	570.28	1.36	21.20	10.19	9.81
1100	13.21	65.37	4.91	20.89	136.22	1.31	22.39	11.08	9.37
1200	13.84	58.56	5.63	22.44	62.25	1.27	23.21	11.67	8.82
1300	14.30	55.00	6.36	22.96	41.48	1.22	23.56	11.89	8.38
1400	14.64	52.62	7.08	22.62	31.69	1.19	23.72	12.09	8.11
1500	14.89	50.72	7.79	21.84	25.67	1.16	23.67	12.17	7.75
1600	15.03	48.81	8.50	21.07	20.87	1.13	23.93	12.37	7.51
1700	15.13	47.51	9.18	20.29	18.17	1.11	23.73	12.36	7.33
1800	15.19	46.60	9.84	19.62	16.52	1.09	24.04	12.45	7.11
1900	15.20	45.50	10.47	19.04	14.76	1.07	24.17	12.57	6.96
2000	15.20	44.79	11.01	18.46	13.72	1.06	23.91	12.50	6.80
2100	15.20	44.09	11.60	18.07	12.78	1.05	23.89	12.70	6.71
2200	15.16	43.49	12.18	17.76	12.09	1.04	23.57	12.58	6.50
2300	15.13	43.00	12.77	17.46	11.54	1.03	23.36	12.30	6.35
2400	15.12	42.63	13.43	17.33	11.16	1.02	23.12	12.10	6.20
2500	15.09	41.99	13.97	17.07	10.44	1.02	23.10	12.11	6.11
2600	15.09	41.46	14.50	16.75	9.85	1.01	22.87	11.82	6.12
2700	15.09	41.22	15.12	16.56	9.62	1.01	22.85	11.92	6.04
2800	15.07	40.67	15.71	16.28	9.07	1.00	22.65	11.70	6.00
2900	15.08	40.28	16.36	16.08	8.68	1.00	22.52	11.63	5.96
3000	15.03	40.12	17.08	15.96	8.61	0.99	22.39	11.63	5.80
3100	15.10	39.47	17.51	15.68	7.93	0.99	22.19	11.47	5.71
3300	15.13	39.03	18.56	15.40	7.52	0.98	21.94	11.38	5.54
3500	15.24	38.63	19.26	14.85	7.08	0.98	21.41	11.09	5.37
3700	15.41	38.30	19.65	14.26	6.67	0.97	21.41	10.85	5.26
3900	15.69	38.28	20.08	13.55	6.40	0.96	21.31	10.71	5.09
4100	16.01	38.74	20.69	12.65	6.45	0.95	21.47	10.70	4.92
4300	16.36	38.22	21.63	12.33	5.82	0.94	21.47	10.89	4.74
4500	16.46	37.84	22.07	12.43	5.51	0.94	21.87	11.24	4.73
4700	16.57	37.12	19.94	13.03	5.04	0.96	22.56	11.74	4.64
4900	16.47	36.44	17.02	14.40	4.73	0.98	23.32	12.32	4.61
5100	16.05	36.15	14.46	16.16	4.79	1.00	24.63	13.19	4.60
5300	14.84	35.84	12.57	16.59	5.24	1.02	24.67	13.49	4.76
5500	13.38	36.09	11.84	14.86	6.25	1.02	23.52	12.68	4.98
5700	11.24	35.59	11.58	12.55	7.34	1.00	22.31	11.60	5.31
5900	8.99	35.63	11.71	11.19	9.35	0.98	20.09	9.46	5.87
6100	6.75	35.09	12.05	10.46	11.23	0.96	17.34	6.96	6.61
6300	4.47	34.81	12.55	10.02	14.07	0.95	13.62	4.40	7.49
6500	2.14	34.88	13.02	9.60	18.41	0.93	10.79	1.76	8.60

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 = 2.66V, Id = 72.96mA @ Temperature = +85°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)
1000	12.12	75.85	4.31	18.65	476.86	1.35	20.52	9.53	9.90
1100	12.93	64.41	4.93	20.28	125.97	1.31	21.61	10.25	9.39
1200	13.55	58.21	5.65	21.56	61.81	1.26	22.39	10.80	8.90
1300	14.01	54.72	6.37	21.96	41.50	1.22	22.72	11.02	8.42
1400	14.35	52.42	7.08	21.65	32.00	1.19	22.87	11.22	8.18
1500	14.60	50.57	7.78	20.99	26.04	1.16	22.87	11.31	7.82
1600	14.74	48.68	8.49	20.30	21.21	1.13	23.13	11.53	7.56
1700	14.84	47.39	9.15	19.60	18.47	1.11	22.98	11.53	7.39
1800	14.91	46.47	9.80	18.98	16.78	1.09	23.33	11.64	7.17
1900	14.92	45.37	10.42	18.43	14.97	1.07	23.42	11.77	7.01
2000	14.92	44.66	10.95	17.87	13.92	1.06	23.22	11.72	6.90
2100	14.93	43.96	11.53	17.49	12.96	1.05	23.30	11.95	6.69
2200	14.89	43.37	12.10	17.17	12.26	1.04	22.96	11.87	6.54
2300	14.86	42.89	12.67	16.87	11.71	1.03	22.74	11.58	6.44
2400	14.85	42.52	13.31	16.72	11.31	1.02	22.48	11.37	6.27
2500	14.82	41.87	13.84	16.46	10.58	1.02	22.52	11.42	6.21
2600	14.82	41.34	14.35	16.15	9.97	1.01	22.30	11.14	6.18
2700	14.81	41.08	14.96	15.95	9.72	1.00	22.33	11.27	6.07
2800	14.80	40.54	15.54	15.67	9.17	1.00	22.12	11.08	6.11
2900	14.81	40.14	16.17	15.47	8.78	0.99	22.00	11.04	6.03
3000	14.75	40.00	16.85	15.35	8.71	0.99	21.93	11.08	5.86
3100	14.82	39.38	17.28	15.07	8.05	0.99	21.73	10.94	5.72
3300	14.84	38.91	18.34	14.76	7.63	0.98	21.54	10.91	5.60
3500	14.94	38.51	19.07	14.22	7.19	0.97	20.94	10.55	5.42
3700	15.10	38.20	19.54	13.65	6.78	0.96	20.96	10.39	5.28
3900	15.39	38.18	20.04	12.98	6.51	0.96	20.89	10.24	5.14
4100	15.71	38.59	20.70	12.15	6.51	0.94	21.06	10.26	4.97
4300	16.07	38.04	21.70	11.86	5.85	0.94	21.09	10.46	4.83
4500	16.19	37.61	22.10	11.98	5.50	0.94	21.44	10.80	4.73
4700	16.33	36.88	19.90	12.58	5.01	0.95	22.13	11.26	4.68
4900	16.25	36.17	16.90	13.91	4.68	0.97	22.87	11.74	4.63
5100	15.81	35.88	14.27	15.49	4.75	1.00	24.19	12.61	4.65
5300	14.59	35.57	12.37	15.67	5.19	1.02	24.18	12.84	4.82
5500	13.06	35.85	11.65	14.02	6.24	1.01	22.89	11.91	5.06
5700	10.87	35.39	11.43	11.96	7.40	0.99	21.66	10.88	5.38
5900	8.59	35.44	11.60	10.73	9.48	0.97	19.42	8.85	5.98
6100	6.34	34.87	11.95	10.09	11.38	0.95	16.61	6.40	6.66
6300	4.05	34.55	12.48	9.70	14.21	0.94	12.95	3.87	7.57
6500	1.73	34.59	12.97	9.33	18.53	0.92	10.50	1.29	8.69

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 = 3.00V, Id = 73.93mA @ Temperature = +85°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)
1000	12.71	77.37	4.26	19.43	528.23	1.36	21.92	10.84	9.72
1100	13.56	66.83	4.90	21.64	154.66	1.31	23.28	11.94	9.27
1200	14.21	59.12	5.62	23.61	63.65	1.27	24.13	12.67	8.74
1300	14.68	55.35	6.36	24.39	41.38	1.23	24.53	12.95	8.28
1400	15.02	52.90	7.08	24.02	31.41	1.19	24.63	13.12	7.99
1500	15.27	50.96	7.81	23.08	25.31	1.16	24.54	13.21	7.68
1600	15.41	48.99	8.54	22.17	20.46	1.13	24.77	13.34	7.42
1700	15.51	47.69	9.24	21.28	17.80	1.11	24.61	13.39	7.25
1800	15.57	46.75	9.92	20.55	16.17	1.09	24.88	13.42	7.04
1900	15.57	45.63	10.57	19.92	14.43	1.07	24.94	13.54	6.87
2000	15.57	44.91	11.13	19.30	13.41	1.06	24.67	13.41	6.70
2100	15.56	44.23	11.73	18.90	12.52	1.05	24.63	13.57	6.51
2200	15.52	43.63	12.34	18.58	11.84	1.04	24.28	13.45	6.38
2300	15.49	43.17	12.95	18.29	11.34	1.03	24.03	13.13	6.27
2400	15.48	42.81	13.63	18.18	10.98	1.03	23.78	12.91	6.12
2500	15.45	42.16	14.21	17.91	10.27	1.02	23.72	12.88	6.03
2600	15.46	41.63	14.76	17.57	9.68	1.01	23.49	12.55	6.02
2700	15.46	41.36	15.40	17.38	9.43	1.01	23.44	12.60	5.94
2800	15.44	40.81	16.03	17.09	8.89	1.00	23.20	12.42	5.93
2900	15.46	40.43	16.71	16.88	8.51	1.00	23.05	12.28	5.88
3000	15.42	40.26	17.44	16.77	8.41	0.99	22.88	12.23	5.73
3100	15.49	39.61	17.88	16.49	7.74	0.99	22.70	12.08	5.58
3300	15.54	39.11	18.95	16.23	7.30	0.99	22.45	11.91	5.49
3500	15.64	38.68	19.61	15.68	6.85	0.98	22.01	11.62	5.28
3700	15.81	38.28	19.87	15.13	6.40	0.98	22.00	11.42	5.15
3900	16.07	38.22	20.09	14.44	6.14	0.97	21.86	11.22	5.03
4100	16.38	38.75	20.50	13.45	6.24	0.96	21.98	11.22	4.86
4300	16.73	38.31	21.28	13.08	5.70	0.95	21.96	11.38	4.71
4500	16.80	38.04	21.80	13.13	5.48	0.95	22.39	11.80	4.69
4700	16.88	37.41	19.97	13.68	5.06	0.96	23.04	12.29	4.59
4900	16.77	36.77	17.24	15.08	4.78	0.98	23.87	12.95	4.55
5100	16.36	36.52	14.76	17.04	4.86	1.01	25.19	13.85	4.57
5300	15.19	36.18	12.84	17.85	5.28	1.03	25.43	14.23	4.74
5500	13.81	36.43	12.06	16.06	6.25	1.03	24.39	13.59	4.94
5700	11.72	35.83	11.74	13.36	7.22	1.01	23.20	12.47	5.27
5900	9.52	35.89	11.82	11.78	9.18	0.99	20.98	10.24	5.76
6100	7.30	35.36	12.11	10.92	11.00	0.97	18.25	7.66	6.44
6300	5.02	35.14	12.57	10.39	13.86	0.95	14.53	5.01	7.33
6500	2.68	35.25	13.04	9.90	18.21	0.94	11.23	2.41	8.34