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 = 3.9V, Id = 74.76 mA @ Temperature = +25degC

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	15.41	49.95	5.29	13.13	17.76	1.24	27.98	16.84	5.48
600	16.10	50.16	7.33	15.89	19.98	1.16	27.95	16.97	4.86
700	16.49	48.49	9.23	17.74	17.20	1.10	28.17	16.98	4.67
800	16.74	46.14	11.04	18.50	13.40	1.06	28.08	16.99	4.53
1000	17.02	44.07	14.44	18.42	10.70	1.02	27.92	17.07	4.46
1100	17.10	42.78	16.18	17.95	9.24	1.01	28.16	17.02	4.48
1200	17.16	41.94	17.91	17.46	8.38	1.00	28.14	17.02	4.50
1300	17.21	40.90	19.74	17.15	7.45	0.99	27.98	17.00	4.49
1400	17.25	39.97	21.45	16.62	6.67	0.98	27.74	16.81	4.41
1500	17.25	39.44	23.55	16.22	6.28	0.98	27.86	16.85	4.41
1600	17.25	38.80	25.65	15.86	5.84	0.97	27.63	16.79	4.47
1700	17.23	38.49	28.27	15.69	5.66	0.97	27.53	16.63	4.42
1800	17.20	38.22	31.99	15.45	5.50	0.96	27.26	16.56	4.52
1900	17.15	37.29	33.04	15.05	4.97	0.96	27.24	16.38	4.42
2000	17.08	36.97	36.46	14.93	4.82	0.96	27.23	16.46	4.49
2100	16.97	36.70	37.80	14.67	4.73	0.96	27.06	16.30	4.42
2200	16.89	36.72	38.37	14.52	4.78	0.95	27.07	16.32	4.45
2300	16.75	36.19	38.90	14.33	4.57	0.95	26.85	16.08	4.46
2400	16.60	35.84	38.16	14.39	4.46	0.95	26.71	15.97	4.53
2500	16.47	35.65	40.22	14.19	4.43	0.95	26.61	15.83	4.48
2600	16.23	35.61	38.50	14.12	4.53	0.95	26.47	15.70	4.48
2700	16.08	34.84	37.20	14.28	4.23	0.95	26.43	15.81	4.52
2800	15.77	35.44	31.78	14.34	4.68	0.95	26.26	15.47	4.53
2900	15.54	35.15	29.12	14.39	4.65	0.95	26.02	15.39	4.55
3000	15.26	34.71	25.90	14.96	4.58	0.96	25.98	15.08	4.59

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 = 2.8V, Id =71.01 mA @ Temperature = +25degC

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	14.17	51.04	5.48	12.20	23.40	1.21	22.63	10.98	5.63
600	14.75	49.40	7.53	13.22	21.11	1.12	22.82	11.23	4.95
700	15.06	47.55	9.41	13.41	17.74	1.07	23.23	11.37	4.76
800	15.24	44.59	11.16	13.22	12.87	1.03	23.28	11.48	4.59
1000	15.42	42.40	14.41	12.74	10.17	0.98	23.33	11.80	4.56
1100	15.46	41.47	16.01	12.48	9.18	0.97	23.63	11.78	4.59
1200	15.49	40.62	17.57	12.26	8.35	0.96	23.63	11.83	4.61
1300	15.49	39.79	19.18	12.14	7.62	0.95	23.58	11.82	4.56
1400	15.49	39.00	20.64	11.92	6.96	0.94	23.48	11.75	4.47
1500	15.47	38.55	22.33	11.78	6.64	0.94	23.54	11.86	4.47
1600	15.43	37.93	23.98	11.65	6.21	0.93	23.45	11.81	4.53
1700	15.38	37.37	25.75	11.62	5.87	0.93	23.46	11.84	4.49
1800	15.32	37.17	27.85	11.58	5.78	0.93	23.31	11.86	4.65
1900	15.25	36.37	28.91	11.41	5.31	0.92	23.42	11.82	4.50
2000	15.17	36.08	30.73	11.43	5.19	0.92	23.47	11.96	4.60
2100	15.05	35.54	32.10	11.34	4.94	0.92	23.34	11.93	4.52
2200	14.95	35.70	34.45	11.34	5.09	0.92	23.33	11.87	4.56
2300	14.81	35.35	34.09	11.27	4.97	0.92	23.27	11.91	4.60
2400	14.66	34.77	34.45	11.36	4.74	0.92	23.19	11.89	4.46
2500	14.53	34.63	33.88	11.33	4.73	0.92	23.23	12.05	4.59
2600	14.32	34.59	31.51	11.31	4.82	0.92	23.26	11.96	4.57
2700	14.17	33.63	31.62	11.46	4.41	0.92	23.18	12.11	4.62
2800	13.90	34.27	27.60	11.52	4.88	0.92	23.07	11.93	4.63
2900	13.69	33.92	25.78	11.58	4.81	0.92	22.96	11.98	4.70
3000	13.44	33.44	23.64	11.95	4.70	0.93	23.00	11.91	4.69

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 = 5V, Id = 76.11 mA @ Temperature = +25degC

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	15.95	48.39	5.20	13.00	13.76	1.24	30.92	18.74	5.42
600	16.72	50.02	7.25	16.56	18.30	1.16	31.20	19.03	4.85
700	17.16	50.00	9.17	20.22	19.07	1.11	31.22	19.05	4.66
800	17.46	47.17	10.99	23.82	14.02	1.08	31.29	19.05	4.54
1000	17.81	45.37	14.50	27.56	11.50	1.03	30.84	18.89	4.44
1100	17.92	43.54	16.32	26.14	9.32	1.02	30.81	18.78	4.49
1200	18.02	42.60	18.15	24.19	8.34	1.01	30.97	18.82	4.48
1300	18.09	41.87	20.10	23.00	7.64	1.00	30.64	18.65	4.49
1400	18.16	40.79	21.94	21.54	6.72	0.99	30.10	18.36	4.40
1500	18.19	40.11	24.19	20.37	6.19	0.99	30.12	18.34	4.38
1600	18.21	39.61	26.28	19.50	5.84	0.98	30.05	18.34	4.43
1700	18.22	39.52	28.87	18.83	5.76	0.98	29.59	18.00	4.40
1800	18.20	38.98	31.75	18.20	5.43	0.98	29.49	17.95	4.48
1900	18.17	38.16	31.93	17.61	4.95	0.97	29.28	17.63	4.42
2000	18.12	37.77	32.48	17.12	4.76	0.97	29.08	17.62	4.46
2100	18.01	37.45	32.14	16.75	4.63	0.97	28.80	17.52	4.44
2200	17.94	37.42	30.90	16.28	4.64	0.97	28.84	17.53	4.43
2300	17.80	37.29	32.21	16.06	4.65	0.97	28.55	17.22	4.44
2400	17.64	36.61	32.55	16.06	4.38	0.96	28.34	17.15	4.43
2500	17.50	36.54	34.42	15.68	4.41	0.96	27.98	16.85	4.52
2600	17.24	36.72	38.63	15.76	4.63	0.96	28.04	16.80	4.45
2700	17.07	35.65	37.72	15.81	4.19	0.96	28.00	16.85	4.49
2800	16.74	36.56	35.52	16.03	4.83	0.97	27.73	16.50	4.46
2900	16.48	36.11	31.39	16.13	4.72	0.97	27.47	16.39	4.53
3000	16.18	35.90	27.17	16.73	4.79	0.97	27.37	16.09	4.58

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 = 3.9V, Id =71.92 mA @ Temperature = -45degC

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	16.14	49.77	5.05	13.09	15.59	1.25	28.72	17.14	4.80
600	16.85	50.00	7.04	16.53	17.76	1.17	28.66	17.27	4.06
700	17.28	49.95	8.93	19.45	18.52	1.12	28.83	17.19	3.86
800	17.56	47.68	10.75	22.02	14.59	1.08	28.69	17.20	3.72
1000	17.89	44.73	14.19	23.33	10.53	1.03	28.62	17.26	3.67
1100	18.00	43.10	15.85	22.61	8.73	1.02	28.71	17.24	3.69
1200	18.08	42.24	17.40	21.71	7.90	1.01	28.62	17.19	3.68
1300	18.15	41.62	19.03	21.09	7.33	1.00	28.47	17.16	3.66
1400	18.21	40.55	20.48	20.01	6.45	0.99	28.33	16.99	3.60
1500	18.24	39.90	22.32	19.21	5.98	0.99	28.42	17.09	3.57
1600	18.25	39.37	24.05	18.48	5.62	0.98	28.09	17.05	3.61
1700	18.26	38.88	26.17	17.97	5.31	0.98	28.04	16.88	3.59
1800	18.27	38.70	29.41	17.56	5.20	0.98	27.82	16.81	3.73
1900	18.23	37.76	29.13	17.20	4.68	0.97	27.82	16.69	3.59
2000	18.20	37.52	30.17	16.85	4.58	0.97	27.70	16.77	3.61
2100	18.09	37.02	30.33	16.38	4.37	0.97	27.57	16.72	3.59
2200	18.06	37.18	33.50	15.83	4.45	0.96	27.47	16.64	3.60
2300	17.90	36.75	32.96	15.61	4.31	0.96	27.26	16.51	3.62
2400	17.77	36.29	33.72	15.50	4.15	0.96	27.12	16.41	3.63
2500	17.68	36.58	37.62	14.71	4.31	0.95	27.04	16.29	3.64
2600	17.44	35.95	35.00	15.08	4.14	0.96	26.97	16.20	3.64
2700	17.28	35.08	35.59	15.16	3.82	0.95	26.95	16.26	3.66
2800	16.99	35.50	31.01	15.66	4.15	0.96	26.73	16.00	3.66
2900	16.75	36.06	29.27	15.08	4.52	0.96	26.54	15.94	3.70
3000	16.48	35.12	26.09	16.16	4.22	0.97	26.56	15.69	3.73

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 = 2.8V, Id =69.66 mA @ Temperature = -45degC

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	14.93	51.24	5.28	12.80	21.69	1.23	23.25	12.04	4.89
600	15.53	49.42	7.28	14.46	19.32	1.15	23.20	12.16	4.11
700	15.87	48.25	9.16	14.84	17.64	1.09	23.48	12.24	3.96
800	16.08	46.18	10.93	14.86	14.19	1.05	23.50	12.38	3.81
1000	16.31	43.18	14.22	14.39	10.21	1.00	23.52	12.61	3.75
1100	16.36	41.98	15.81	14.10	8.93	0.99	23.81	12.65	3.77
1200	16.40	41.13	17.25	13.85	8.11	0.98	23.79	12.62	3.78
1300	16.42	40.46	18.71	13.67	7.53	0.97	23.76	12.66	3.71
1400	16.44	39.52	20.01	13.35	6.74	0.96	23.65	12.56	3.65
1500	16.43	39.10	21.63	13.14	6.45	0.95	23.72	12.71	3.64
1600	16.42	38.28	23.18	12.89	5.88	0.95	23.56	12.60	3.73
1700	16.39	37.78	24.88	12.84	5.58	0.95	23.69	12.70	3.66
1800	16.35	37.78	27.27	12.88	5.61	0.94	23.52	12.63	3.81
1900	16.30	36.81	28.21	12.65	5.05	0.94	23.67	12.69	3.63
2000	16.23	36.36	30.06	12.62	4.84	0.94	23.73	12.85	3.71
2100	16.12	36.00	30.43	12.38	4.69	0.93	23.59	12.75	3.66
2200	16.05	36.35	32.80	12.30	4.91	0.93	23.48	12.68	3.72
2300	15.91	35.55	31.35	12.14	4.55	0.93	23.49	12.72	3.72
2400	15.78	35.08	31.59	12.17	4.38	0.93	23.40	12.69	3.64
2500	15.66	35.23	29.87	11.86	4.49	0.93	23.54	12.81	3.72
2600	15.45	34.73	29.13	12.08	4.36	0.93	23.54	12.82	3.71
2700	15.32	33.99	29.71	12.36	4.09	0.93	23.40	12.92	3.74
2800	15.06	34.33	26.57	12.50	4.38	0.94	23.35	12.75	3.72
2900	14.86	34.41	24.94	12.34	4.50	0.93	23.25	12.81	3.79
3000	14.61	33.90	23.02	12.90	4.40	0.94	23.36	12.82	3.76

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 = 5V, Id = 73 mA @ Temperature = -45degC

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	16.50	48.31	4.97	12.82	12.46	1.26	31.65	18.63	4.78
600	17.27	50.52	6.97	16.41	17.88	1.18	32.11	19.02	4.06
700	17.73	50.68	8.89	20.06	19.13	1.12	32.32	19.02	3.86
800	18.04	48.46	10.74	24.55	15.14	1.08	32.12	19.00	3.74
1000	18.43	45.33	14.26	31.66	10.66	1.04	31.70	18.84	3.63
1100	18.56	44.06	15.99	29.31	9.19	1.02	31.43	18.68	3.66
1200	18.67	42.66	17.62	26.51	7.79	1.01	31.51	18.75	3.67
1300	18.76	42.24	19.30	24.72	7.38	1.00	31.14	18.58	3.67
1400	18.85	41.09	20.84	22.76	6.42	1.00	30.83	18.27	3.56
1500	18.90	40.64	22.78	21.33	6.06	0.99	30.68	18.21	3.55
1600	18.94	40.19	24.48	20.21	5.73	0.99	30.59	18.27	3.62
1700	18.97	39.58	26.44	19.30	5.33	0.98	30.10	17.80	3.59
1800	19.00	39.27	29.00	18.50	5.12	0.98	29.93	17.72	3.70
1900	18.97	38.38	28.25	18.23	4.64	0.98	29.61	17.38	3.58
2000	18.95	38.11	28.51	17.61	4.50	0.97	29.51	17.46	3.59
2100	18.86	37.54	28.66	17.15	4.26	0.97	29.33	17.38	3.58
2200	18.83	37.50	30.04	16.37	4.24	0.97	29.36	17.48	3.58
2300	18.68	37.20	31.02	16.16	4.17	0.96	29.05	17.13	3.60
2400	18.54	37.00	31.90	16.01	4.14	0.96	28.77	17.05	3.56
2500	18.43	37.15	37.61	15.16	4.24	0.96	28.38	16.70	3.61
2600	18.17	36.60	37.43	15.53	4.11	0.96	28.47	16.66	3.59
2700	18.00	35.67	37.48	15.63	3.78	0.96	28.35	16.82	3.61
2800	17.68	36.22	34.38	16.16	4.18	0.96	28.11	16.43	3.63
2900	17.42	36.98	30.56	15.68	4.67	0.96	27.93	16.38	3.65
3000	17.12	35.87	27.11	16.69	4.29	0.97	27.71	16.06	3.69

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 = 3.9V, Id = 75.18mA @ Temperature = +85degC

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	15.04	49.01	5.35	13.04	16.70	1.23	27.86	16.57	5.72
600	15.76	49.78	7.39	15.77	19.94	1.15	27.96	16.68	5.29
700	16.16	48.55	9.34	17.61	18.04	1.10	28.20	16.67	5.11
800	16.41	46.19	11.22	18.54	14.03	1.06	28.20	16.73	4.97
1000	16.69	43.68	14.75	18.53	10.65	1.02	27.94	16.81	4.91
1100	16.77	42.39	16.61	18.04	9.21	1.00	28.17	16.81	4.96
1200	16.83	41.40	18.53	17.58	8.22	0.99	28.16	16.79	4.92
1300	16.86	40.80	20.61	17.27	7.67	0.99	28.00	16.73	4.93
1400	16.90	39.60	22.58	16.76	6.67	0.98	27.71	16.59	4.85
1500	16.89	39.38	25.05	16.32	6.51	0.98	27.78	16.65	4.83
1600	16.88	38.68	27.55	15.95	6.02	0.97	27.65	16.62	4.88
1700	16.85	38.17	30.89	15.73	5.70	0.97	27.46	16.51	4.86
1800	16.81	37.94	36.01	15.44	5.57	0.96	27.24	16.38	4.97
1900	16.74	37.42	38.37	15.05	5.28	0.96	27.23	16.18	4.87
2000	16.67	37.17	48.80	14.80	5.17	0.96	27.19	16.28	4.92
2100	16.55	36.57	48.55	14.59	4.89	0.96	26.97	16.15	4.91
2200	16.45	36.28	38.12	14.39	4.78	0.95	26.98	16.08	4.90
2300	16.29	36.17	40.77	14.17	4.79	0.95	26.70	15.92	4.92
2400	16.14	35.74	40.43	14.17	4.65	0.95	26.53	15.75	4.72
2500	15.99	35.61	39.47	13.96	4.65	0.95	26.45	15.68	4.93
2600	15.76	35.70	46.03	13.93	4.82	0.95	26.39	15.50	4.94
2700	15.58	34.57	50.00	14.05	4.33	0.95	26.25	15.58	4.97
2800	15.28	35.38	35.27	14.11	4.91	0.95	26.03	15.22	4.98
2900	15.02	35.50	30.89	14.20	5.13	0.95	25.83	15.14	5.02
3000	14.76	34.67	27.80	14.75	4.82	0.96	25.76	14.91	5.05

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 = 2.8V, Id = 71.66 mA @ Temperature = +85degC

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	13.83	51.06	5.54	12.18	24.52	1.20	22.27	10.47	5.85
600	14.43	48.92	7.56	13.31	20.75	1.12	22.47	10.74	5.39
700	14.76	47.18	9.47	13.61	17.69	1.07	22.89	10.93	5.22
800	14.95	44.84	11.27	13.56	13.79	1.03	22.96	11.10	5.04
1000	15.14	42.40	14.57	13.17	10.59	0.99	23.00	11.36	5.00
1100	15.17	41.38	16.22	12.91	9.46	0.97	23.33	11.34	5.03
1200	15.19	40.44	17.88	12.71	8.52	0.96	23.37	11.34	5.02
1300	15.20	40.15	19.55	12.59	8.27	0.95	23.29	11.44	5.03
1400	15.20	39.07	21.10	12.36	7.32	0.95	23.17	11.29	4.95
1500	15.16	38.48	22.81	12.21	6.88	0.94	23.27	11.48	4.92
1600	15.12	37.83	24.46	12.06	6.42	0.94	23.17	11.41	4.99
1700	15.06	37.45	26.14	12.02	6.18	0.93	23.20	11.40	4.94
1800	14.99	37.20	27.77	11.94	6.06	0.93	23.04	11.42	5.11
1900	14.91	36.35	28.65	11.74	5.54	0.93	23.14	11.45	4.95
2000	14.81	36.07	29.84	11.71	5.43	0.93	23.15	11.57	5.03
2100	14.69	35.68	30.60	11.61	5.26	0.92	23.10	11.46	4.98
2200	14.58	35.48	31.40	11.60	5.21	0.92	23.11	11.50	5.02
2300	14.42	35.10	31.46	11.51	5.07	0.92	23.01	11.51	5.05
2400	14.27	34.69	31.78	11.55	4.92	0.92	22.93	11.48	4.91
2500	14.13	34.58	31.43	11.50	4.95	0.92	23.02	11.71	5.86
2600	13.92	34.58	30.54	11.51	5.06	0.92	23.01	11.61	5.05
2700	13.75	33.77	31.31	11.64	4.72	0.92	22.95	11.66	5.11
2800	13.49	34.24	27.97	11.70	5.12	0.93	22.86	11.55	5.14
2900	13.25	34.23	26.05	11.78	5.26	0.93	22.79	11.70	5.14
3000	13.02	33.46	24.38	12.19	4.97	0.93	22.78	11.61	5.15

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 = 5V, Id = 77.35 mA @ Temperature = +85degC

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	15.59	48.44	5.26	12.92	14.52	1.24	30.67	18.75	5.72
600	16.38	50.75	7.29	16.48	20.75	1.16	30.98	19.03	5.28
700	16.84	49.15	9.26	20.30	18.01	1.11	31.07	19.05	5.08
800	17.13	47.58	11.16	24.51	15.31	1.07	30.88	19.03	4.95
1000	17.49	44.63	14.77	29.16	11.00	1.03	30.69	18.96	4.90
1100	17.59	43.33	16.71	27.14	9.48	1.02	30.68	18.85	4.91
1200	17.68	42.66	18.74	24.79	8.74	1.01	30.72	18.87	4.90
1300	17.75	41.90	20.92	23.27	7.99	1.00	30.42	18.71	4.90
1400	17.81	40.78	23.04	21.86	6.99	0.99	30.10	18.44	4.84
1500	17.83	40.25	25.69	20.65	6.57	0.99	29.90	18.41	4.81
1600	17.84	39.35	28.29	19.75	5.92	0.98	30.01	18.37	4.87
1700	17.84	39.19	31.53	19.02	5.80	0.98	29.45	18.03	4.81
1800	17.81	38.90	35.59	18.27	5.62	0.98	29.28	17.99	4.91
1900	17.76	38.06	35.70	17.73	5.13	0.97	29.13	17.66	4.84
2000	17.71	37.92	35.89	16.99	5.07	0.97	28.94	17.68	4.87
2100	17.59	37.36	34.53	16.73	4.82	0.97	28.79	17.52	4.88
2200	17.50	37.08	31.60	16.22	4.70	0.97	28.68	17.50	4.86
2300	17.34	36.90	33.17	15.97	4.68	0.96	28.42	17.25	4.87
2400	17.18	36.47	33.16	15.85	4.54	0.96	28.21	17.10	4.88
2500	17.02	36.49	33.38	15.54	4.62	0.96	27.90	16.80	4.88
2600	16.77	36.68	38.24	15.56	4.86	0.96	27.88	16.74	4.89
2700	16.57	35.61	38.04	15.52	4.40	0.96	27.83	16.74	4.93
2800	16.25	36.53	39.04	15.76	5.08	0.96	27.54	16.37	4.89
2900	15.95	36.57	32.37	15.95	5.28	0.97	27.28	16.29	4.97
3000	15.67	35.99	28.93	16.49	5.12	0.97	27.18	16.02	5.00