

Typical Performance Data

TB-966+

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 7.00V, Icc = 82.77mA @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)			(dBm)	(dBm)	(dB)
1	14.20	25.55	2.95	4.49	1.13	0.68	--	18.97	--
3	15.70	21.15	9.96	14.89	1.14	0.72	40.14	21.21	--
5	15.64	20.71	13.75	19.69	1.15	0.70	40.80	21.42	--
10	15.52	20.67	18.02	24.29	1.17	0.69	40.55	21.32	3.51
20	15.53	20.60	20.24	27.59	1.17	0.69	41.80	21.35	3.12
30	15.52	20.59	20.98	28.56	1.17	0.69	42.52	21.39	2.97
40	15.52	20.60	21.30	28.84	1.17	0.69	43.18	21.58	2.93
50	15.51	20.61	21.38	28.90	1.17	0.69	43.90	21.62	2.88
60	15.50	20.60	21.37	28.59	1.17	0.69	42.52	21.66	2.80
70	15.50	20.60	21.45	28.39	1.17	0.69	40.91	21.68	2.82
80	15.49	20.61	21.53	28.22	1.17	0.69	40.12	21.78	2.76
90	15.48	20.61	21.63	27.91	1.17	0.70	40.01	21.79	2.73
100	15.48	20.61	21.69	27.64	1.17	0.70	39.72	21.77	2.70
110	15.47	20.61	21.58	27.23	1.18	0.70	38.91	21.75	2.74
120	15.47	20.61	21.57	26.92	1.17	0.70	38.68	21.78	2.76
130	15.46	20.62	21.57	26.40	1.17	0.69	38.63	21.79	2.70
140	15.45	20.62	21.53	25.98	1.17	0.70	39.60	21.72	2.70
150	15.43	20.61	21.55	25.58	1.18	0.70	40.22	21.62	2.71
160	15.42	20.63	21.55	25.13	1.18	0.70	41.00	21.63	2.71
170	15.42	20.64	21.61	24.70	1.18	0.70	41.73	21.63	2.75
180	15.41	20.64	21.51	24.26	1.18	0.70	41.02	21.64	2.74
190	15.40	20.64	21.47	23.73	1.18	0.70	40.99	21.64	2.72
200	15.39	20.65	21.48	23.25	1.18	0.70	40.63	21.65	2.66
250	15.33	20.70	21.21	20.84	1.18	0.71	41.24	21.58	2.72
300	15.25	20.78	20.90	18.49	1.19	0.71	42.62	21.52	2.68
350	15.15	20.86	20.08	16.26	1.19	0.71	43.32	21.40	2.75
400	15.03	20.98	19.24	14.24	1.20	0.71	41.39	21.26	2.78
450	14.87	21.14	18.07	12.38	1.21	0.71	38.90	21.10	2.76
500	14.66	21.33	16.80	10.69	1.22	0.70	38.56	21.05	2.74
550	14.39	21.59	15.51	9.15	1.23	0.69	37.34	20.83	2.74
600	14.05	21.91	14.12	7.78	1.23	0.67	35.54	20.68	2.81
650	13.61	22.32	12.86	6.56	1.25	0.64	34.72	20.34	2.66
700	13.08	22.84	11.64	5.53	1.27	0.62	33.53	19.89	2.68
750	12.45	23.43	10.75	4.73	1.30	0.59	32.85	19.26	2.82
800	11.97	23.87	10.06	4.13	1.32	0.56	31.91	18.64	2.77
850	11.36	24.44	9.17	3.46	1.33	0.51	30.98	17.88	2.84
900	10.57	25.20	8.30	2.89	1.36	0.47	29.66	16.87	2.65
950	9.65	26.07	7.55	2.43	1.42	0.44	28.75	15.92	2.99
1000	8.63	27.03	6.90	2.08	1.49	0.41	27.67	14.85	2.86

Typical Performance Data

TB-966+

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, Icc = 54.80mA @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
1	13.79	25.68	2.98	4.45	1.16	0.69	--	16.23	--
3	15.32	20.91	9.83	14.51	1.14	0.73	34.16	18.49	--
5	15.28	20.70	13.41	19.10	1.17	0.72	34.44	18.53	--
10	15.16	20.50	16.95	23.45	1.18	0.71	31.87	18.51	3.36
20	15.17	20.46	19.11	26.29	1.18	0.71	32.24	18.52	3.01
30	15.16	20.46	19.47	26.98	1.18	0.71	34.60	18.57	2.93
40	15.16	20.47	19.48	27.18	1.18	0.71	36.76	18.77	2.87
50	15.16	20.47	19.75	27.21	1.19	0.71	39.99	18.79	2.87
60	15.14	20.47	19.71	26.93	1.19	0.71	40.82	18.80	2.79
70	15.14	20.47	19.81	26.74	1.18	0.71	38.76	18.80	2.81
80	15.13	20.47	19.82	26.58	1.19	0.71	36.91	18.90	2.78
90	15.12	20.47	19.86	26.29	1.19	0.71	36.09	18.90	2.72
100	15.12	20.47	19.93	26.01	1.19	0.71	35.60	18.86	2.68
110	15.11	20.48	19.90	25.64	1.19	0.71	34.37	18.85	2.72
120	15.10	20.48	19.80	25.34	1.19	0.71	34.14	18.87	2.70
130	15.09	20.49	19.82	24.89	1.19	0.71	34.35	18.86	2.73
140	15.08	20.50	19.77	24.52	1.19	0.71	35.21	18.78	2.66
150	15.07	20.49	19.78	24.17	1.19	0.72	36.42	18.67	2.67
160	15.06	20.51	19.67	23.76	1.19	0.72	36.81	18.67	2.66
170	15.05	20.51	19.70	23.38	1.19	0.72	37.37	18.66	2.76
180	15.04	20.52	19.65	22.97	1.19	0.72	36.92	18.66	2.73
190	15.03	20.53	19.61	22.50	1.20	0.72	36.03	18.66	2.72
200	15.02	20.54	19.58	22.04	1.19	0.72	35.42	18.68	2.66
250	14.95	20.60	19.34	19.81	1.20	0.72	37.15	18.56	2.68
300	14.87	20.68	19.02	17.63	1.20	0.73	36.00	18.46	2.72
350	14.76	20.77	18.38	15.51	1.21	0.73	36.89	18.32	2.80
400	14.62	20.90	17.68	13.58	1.21	0.73	34.93	18.15	2.77
450	14.45	21.08	16.74	11.81	1.22	0.72	33.30	17.96	2.75
500	14.23	21.29	15.67	10.19	1.23	0.72	32.56	17.88	2.71
550	13.94	21.56	14.59	8.72	1.24	0.70	31.57	17.63	2.71
600	13.58	21.89	13.39	7.40	1.25	0.68	30.02	17.39	2.81
650	13.12	22.32	12.25	6.25	1.26	0.65	29.12	16.93	2.59
700	12.57	22.84	11.18	5.26	1.29	0.62	27.73	16.27	2.63
750	11.93	23.43	10.37	4.52	1.31	0.59	26.88	15.50	2.85
800	11.45	23.87	9.72	3.94	1.33	0.56	25.68	14.75	2.70
850	10.83	24.44	8.91	3.31	1.34	0.51	24.54	13.93	2.80
900	10.03	25.19	8.05	2.78	1.37	0.47	22.59	12.88	2.59
950	9.12	26.03	7.35	2.34	1.41	0.43	21.37	11.92	2.88
1000	8.11	26.97	6.72	2.01	1.46	0.40	20.01	10.80	2.89

Typical Performance Data

TB-966+

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 9.00V, Icc = 110.23mA @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)			(dBm)	(dBm)	(dB)
1	14.34	25.99	2.91	4.46	1.14	0.69	--	20.90	--
3	15.88	21.08	10.03	15.03	1.12	0.70	42.48	23.18	--
5	15.81	20.83	13.88	19.88	1.15	0.69	43.59	23.39	--
10	15.69	20.72	18.24	24.51	1.16	0.68	44.26	23.30	3.75
20	15.69	20.65	20.99	27.95	1.16	0.68	41.57	23.15	3.29
30	15.68	20.64	21.72	28.94	1.17	0.69	43.35	23.39	3.12
40	15.68	20.65	22.08	29.30	1.17	0.68	44.50	23.60	3.05
50	15.68	20.65	22.18	29.39	1.16	0.68	44.60	23.65	2.99
60	15.67	20.65	22.25	29.11	1.17	0.68	44.59	23.70	2.94
70	15.66	20.66	22.40	28.96	1.16	0.68	43.74	23.73	2.93
80	15.66	20.65	22.45	28.86	1.16	0.68	43.66	23.84	2.85
90	15.65	20.64	22.62	28.57	1.17	0.69	43.41	23.85	2.81
100	15.64	20.65	22.60	28.35	1.17	0.69	42.51	23.85	2.80
110	15.63	20.65	22.68	27.95	1.17	0.68	41.22	23.84	2.82
120	15.63	20.65	22.69	27.67	1.17	0.69	41.70	23.88	2.78
130	15.62	20.66	22.72	27.17	1.17	0.69	41.35	23.89	2.83
140	15.62	20.66	22.81	26.78	1.17	0.69	42.10	23.84	2.75
150	15.60	20.66	22.56	26.42	1.17	0.69	42.44	23.76	2.80
160	15.59	20.66	22.66	25.97	1.17	0.69	43.51	23.78	2.80
170	15.59	20.67	22.65	25.57	1.17	0.69	44.38	23.77	2.88
180	15.58	20.67	22.60	25.13	1.17	0.69	43.89	23.79	2.83
190	15.57	20.68	22.54	24.59	1.17	0.69	43.33	23.79	2.80
200	15.56	20.68	22.55	24.09	1.17	0.69	43.49	23.81	2.75
250	15.51	20.72	22.34	21.62	1.18	0.70	43.60	23.78	2.80
300	15.43	20.79	21.97	19.20	1.18	0.70	46.32	23.75	2.79
350	15.34	20.87	21.05	16.88	1.19	0.71	46.12	23.65	2.83
400	15.22	20.97	20.16	14.79	1.19	0.71	46.19	23.52	2.84
450	15.07	21.13	18.79	12.86	1.20	0.70	43.30	23.37	2.80
500	14.87	21.31	17.34	11.11	1.21	0.70	42.53	23.34	2.81
550	14.62	21.56	15.93	9.51	1.22	0.69	41.51	23.12	2.82
600	14.29	21.88	14.43	8.08	1.23	0.67	39.19	22.97	2.89
650	13.87	22.27	13.08	6.82	1.24	0.64	38.32	22.65	2.78
700	13.34	22.78	11.82	5.74	1.27	0.62	37.14	22.22	2.79
750	12.72	23.37	10.89	4.90	1.29	0.59	36.34	21.64	2.93
800	12.24	23.83	10.16	4.27	1.31	0.57	35.47	21.08	2.83
850	11.63	24.41	9.24	3.58	1.33	0.52	34.60	20.41	2.86
900	10.84	25.17	8.33	2.99	1.36	0.47	33.41	19.51	2.76
950	9.90	26.05	7.59	2.50	1.42	0.44	32.53	18.51	2.99
1000	8.87	27.05	6.94	2.14	1.49	0.42	31.83	17.51	2.93

Typical Performance Data

TB-966+

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 7.00V, Icc = 80.93mA @ Temperature = -45°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)			(dBm)	(dBm)	(dB)
1	13.91	26.31	2.85	4.25	1.17	0.69	--	18.71	--
3	15.75	21.34	9.82	14.39	1.14	0.73	38.48	21.03	--
5	15.72	20.75	13.56	18.95	1.15	0.69	39.70	21.21	--
10	15.62	20.65	17.85	23.28	1.16	0.69	40.14	21.17	3.05
20	15.62	20.58	20.12	26.24	1.16	0.68	41.69	21.00	2.57
30	15.60	20.58	20.72	26.90	1.16	0.68	43.35	21.24	2.46
40	15.61	20.59	20.85	27.00	1.17	0.69	43.04	21.45	2.37
50	15.60	20.60	20.99	26.90	1.16	0.68	42.50	21.50	2.37
60	15.59	20.59	20.88	26.54	1.17	0.69	42.56	21.54	2.31
70	15.59	20.59	20.93	26.32	1.16	0.68	40.50	21.57	2.33
80	15.59	20.59	21.06	26.14	1.16	0.68	39.41	21.67	2.26
90	15.58	20.58	20.86	25.88	1.16	0.68	39.54	21.69	2.23
100	15.58	20.59	20.84	25.67	1.16	0.68	39.48	21.68	2.19
110	15.57	20.59	20.76	25.38	1.17	0.69	38.51	21.67	2.23
120	15.57	20.59	20.71	25.18	1.17	0.69	38.53	21.71	2.22
130	15.56	20.59	20.70	24.87	1.17	0.69	38.61	21.73	2.24
140	15.56	20.60	20.63	24.66	1.17	0.69	39.23	21.67	2.15
150	15.55	20.59	20.54	24.50	1.17	0.69	39.83	21.58	2.22
160	15.54	20.60	20.58	24.31	1.17	0.69	40.17	21.60	2.22
170	15.54	20.60	20.61	24.15	1.17	0.69	40.39	21.60	2.24
180	15.53	20.60	20.76	23.99	1.17	0.69	40.28	21.61	2.22
190	15.53	20.60	20.69	23.75	1.17	0.69	39.81	21.62	2.22
200	15.52	20.61	20.81	23.51	1.17	0.69	39.87	21.65	2.17
250	15.48	20.63	21.20	21.91	1.17	0.69	40.69	21.59	2.18
300	15.43	20.69	21.54	19.59	1.17	0.69	41.26	21.54	2.20
350	15.34	20.75	21.34	17.09	1.18	0.69	41.70	21.43	2.24
400	15.24	20.85	20.74	14.82	1.18	0.69	40.73	21.28	2.22
450	15.10	20.99	19.38	12.83	1.19	0.69	39.16	21.11	2.21
500	14.92	21.16	17.91	11.08	1.19	0.68	38.28	21.08	2.19
550	14.69	21.39	16.35	9.50	1.20	0.67	37.36	20.89	2.18
600	14.38	21.67	14.77	8.08	1.20	0.65	35.75	20.76	2.28
650	14.00	22.04	13.31	6.82	1.21	0.62	34.90	20.45	2.14
700	13.50	22.51	11.94	5.72	1.23	0.60	33.87	20.02	2.12
750	12.87	23.12	10.84	4.80	1.25	0.57	33.18	19.32	2.30
800	12.34	23.63	10.26	4.23	1.28	0.55	32.37	18.61	2.19
850	11.86	24.07	9.40	3.57	1.27	0.50	31.59	17.90	2.23
900	11.13	24.77	8.43	2.95	1.29	0.45	30.23	16.86	2.04
950	10.24	25.60	7.63	2.43	1.32	0.41	29.28	15.83	2.37
1000	9.24	26.56	6.90	2.04	1.37	0.38	27.99	14.72	2.25

Typical Performance Data

TB-966+

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, Icc = 52.63mA @ Temperature = -45°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
1	13.44	26.02	2.87	4.13	1.18	0.67	--	16.08	--
3	15.39	21.14	9.60	13.88	1.15	0.73	35.45	18.33	--
5	15.39	20.49	13.19	18.15	1.15	0.69	35.64	18.52	--
10	15.27	20.50	17.20	22.41	1.17	0.70	35.89	18.42	2.84
20	15.28	20.46	18.81	24.83	1.17	0.70	33.49	18.22	2.52
30	15.27	20.44	19.32	25.30	1.17	0.70	36.19	18.45	2.37
40	15.27	20.44	19.48	25.35	1.18	0.70	41.68	18.65	2.31
50	15.26	20.46	19.50	25.26	1.17	0.70	43.55	18.67	2.34
60	15.26	20.45	19.41	24.94	1.17	0.70	40.75	18.69	2.26
70	15.25	20.45	19.49	24.75	1.18	0.70	36.81	18.69	2.26
80	15.25	20.45	19.36	24.57	1.17	0.70	35.64	18.78	2.26
90	15.24	20.45	19.39	24.33	1.18	0.70	35.26	18.79	2.20
100	15.24	20.46	19.36	24.13	1.18	0.70	34.76	18.76	2.16
110	15.23	20.46	19.26	23.86	1.18	0.70	33.94	18.74	2.23
120	15.22	20.45	19.21	23.68	1.18	0.70	33.71	18.77	2.21
130	15.22	20.46	19.15	23.39	1.18	0.70	34.07	18.77	2.22
140	15.21	20.47	19.10	23.19	1.18	0.70	34.79	18.69	2.14
150	15.20	20.46	19.04	23.04	1.18	0.70	35.50	18.59	2.21
160	15.19	20.47	19.06	22.84	1.18	0.70	35.92	18.60	2.20
170	15.19	20.48	19.07	22.67	1.18	0.70	36.20	18.59	2.24
180	15.19	20.48	19.09	22.51	1.18	0.70	35.90	18.59	2.19
190	15.18	20.48	19.11	22.28	1.18	0.70	35.40	18.59	2.23
200	15.17	20.49	19.10	22.04	1.18	0.70	35.05	18.61	2.18
250	15.13	20.53	19.36	20.56	1.18	0.71	36.54	18.51	2.18
300	15.07	20.59	19.64	18.47	1.19	0.71	35.59	18.40	2.15
350	14.98	20.66	19.47	16.17	1.19	0.71	36.09	18.25	2.22
400	14.86	20.78	18.93	14.05	1.20	0.71	34.30	18.04	2.23
450	14.71	20.94	17.85	12.16	1.20	0.70	32.95	17.80	2.17
500	14.51	21.12	16.66	10.48	1.21	0.69	32.18	17.72	2.24
550	14.25	21.36	15.35	8.98	1.21	0.68	31.27	17.47	2.11
600	13.93	21.67	14.04	7.64	1.22	0.66	29.90	17.21	2.27
650	13.52	22.05	12.76	6.44	1.23	0.63	29.07	16.75	2.08
700	13.02	22.53	11.48	5.40	1.24	0.60	27.89	15.99	2.03
750	12.37	23.14	10.47	4.54	1.27	0.56	26.92	15.04	2.31
800	11.83	23.65	9.89	4.00	1.29	0.55	25.71	14.23	2.18
850	11.35	24.09	9.13	3.38	1.28	0.49	24.70	13.46	2.21
900	10.61	24.78	8.21	2.80	1.30	0.44	22.65	12.43	2.00
950	9.74	25.59	7.46	2.32	1.32	0.40	21.40	11.42	2.37
1000	8.75	26.53	6.77	1.96	1.37	0.37	20.10	10.32	2.31

Typical Performance Data

TB-966+

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 9.00V, Icc = 108.35mA @ Temperature = -45°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
1	14.06	26.50	2.84	4.25	1.17	0.69	--	20.76	--
3	15.92	21.07	9.87	14.61	1.12	0.69	41.20	23.11	--
5	15.87	20.87	13.76	19.39	1.15	0.69	43.78	23.28	--
10	15.77	20.73	18.16	23.89	1.16	0.68	44.47	23.22	3.50
20	15.77	20.67	20.61	27.27	1.16	0.68	43.70	23.04	2.83
30	15.76	20.67	21.43	28.09	1.16	0.68	43.74	23.30	2.60
40	15.76	20.67	21.54	28.24	1.16	0.68	47.09	23.52	2.50
50	15.76	20.67	21.71	28.15	1.16	0.68	46.03	23.57	2.44
60	15.75	20.67	21.62	27.77	1.16	0.68	47.16	23.63	2.38
70	15.74	20.67	21.86	27.54	1.16	0.68	44.10	23.66	2.44
80	15.74	20.67	21.81	27.35	1.16	0.68	43.97	23.77	2.35
90	15.73	20.67	21.79	27.08	1.16	0.68	43.04	23.80	2.33
100	15.73	20.67	21.71	26.85	1.16	0.68	42.92	23.80	2.23
110	15.72	20.67	21.61	26.54	1.16	0.68	42.87	23.80	2.34
120	15.72	20.66	21.63	26.34	1.16	0.68	41.69	23.85	2.25
130	15.72	20.67	21.51	25.98	1.16	0.68	42.47	23.87	2.29
140	15.71	20.67	21.47	25.75	1.16	0.68	42.59	23.84	2.26
150	15.70	20.66	21.45	25.60	1.16	0.68	43.01	23.76	2.22
160	15.69	20.67	21.52	25.38	1.16	0.68	43.93	23.78	2.27
170	15.69	20.66	21.55	25.22	1.16	0.68	44.36	23.79	2.35
180	15.69	20.67	21.64	25.05	1.16	0.68	44.67	23.82	2.28
190	15.69	20.66	21.68	24.80	1.16	0.68	44.35	23.83	2.29
200	15.68	20.67	21.79	24.55	1.17	0.69	42.87	23.86	2.26
250	15.64	20.69	22.27	22.80	1.16	0.69	43.57	23.84	2.23
300	15.59	20.74	22.76	20.30	1.17	0.69	46.38	23.83	2.24
350	15.51	20.80	22.40	17.65	1.17	0.69	46.07	23.73	2.32
400	15.41	20.88	21.70	15.29	1.18	0.69	47.38	23.60	2.28
450	15.28	21.02	20.21	13.24	1.18	0.69	46.09	23.44	2.26
500	15.11	21.18	18.56	11.43	1.19	0.68	44.26	23.44	2.29
550	14.89	21.40	16.85	9.81	1.19	0.67	43.00	23.25	2.26
600	14.59	21.67	15.19	8.36	1.20	0.65	40.50	23.13	2.31
650	14.21	22.03	13.63	7.05	1.21	0.63	39.60	22.86	2.20
700	13.73	22.50	12.19	5.91	1.23	0.60	38.31	22.52	2.21
750	13.10	23.11	11.04	4.96	1.25	0.57	37.60	21.89	2.34
800	12.58	23.61	10.43	4.36	1.28	0.55	36.73	21.25	2.33
850	12.11	24.04	9.53	3.68	1.27	0.50	35.72	20.65	2.31
900	11.38	24.75	8.53	3.04	1.29	0.45	34.56	19.68	2.11
950	10.49	25.60	7.70	2.50	1.33	0.41	33.58	18.65	2.45
1000	9.47	26.57	6.97	2.09	1.37	0.38	32.47	17.55	2.29

Typical Performance Data

TB-966+

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 7.00V, Icc = 84.07mA @ Temperature = +85°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
1	14.12	25.82	3.00	4.62	1.16	0.70	--	18.49	--
3	15.55	21.19	10.12	15.49	1.15	0.74	39.79	20.84	--
5	15.48	20.61	13.83	20.10	1.15	0.70	40.28	20.97	--
10	15.38	20.58	17.92	24.42	1.17	0.70	40.86	20.92	3.98
20	15.39	20.54	20.29	27.71	1.17	0.70	37.28	20.74	3.57
30	15.38	20.53	20.86	28.67	1.18	0.70	43.03	21.00	3.43
40	15.38	20.54	21.04	29.06	1.17	0.70	45.62	21.20	3.37
50	15.37	20.54	21.46	29.24	1.18	0.70	43.87	21.24	3.31
60	15.36	20.54	21.35	29.05	1.18	0.70	45.85	21.30	3.29
70	15.35	20.54	21.60	28.97	1.18	0.70	42.77	21.32	3.31
80	15.35	20.54	21.77	28.93	1.18	0.70	41.32	21.42	3.21
90	15.33	20.55	21.84	28.67	1.18	0.70	41.27	21.43	3.16
100	15.33	20.55	21.89	28.39	1.18	0.70	40.51	21.42	3.18
110	15.32	20.55	22.01	27.94	1.18	0.70	39.68	21.41	3.19
120	15.31	20.55	22.06	27.54	1.18	0.70	39.18	21.44	3.20
130	15.30	20.56	22.01	26.91	1.18	0.70	39.22	21.45	3.16
140	15.29	20.56	22.10	26.38	1.18	0.70	39.81	21.39	3.13
150	15.28	20.56	22.01	25.83	1.18	0.70	41.26	21.30	3.15
160	15.26	20.58	22.10	25.25	1.18	0.70	41.14	21.31	3.12
170	15.26	20.58	22.00	24.70	1.19	0.71	42.62	21.30	3.22
180	15.25	20.59	21.94	24.15	1.19	0.71	42.71	21.32	3.20
190	15.23	20.60	21.83	23.53	1.19	0.71	42.58	21.32	3.16
200	15.22	20.61	21.73	22.95	1.19	0.71	41.61	21.33	3.15
250	15.15	20.66	21.06	20.29	1.19	0.71	42.61	21.27	3.12
300	15.05	20.76	20.14	18.00	1.20	0.72	46.15	21.22	3.18
350	14.93	20.86	18.98	15.91	1.21	0.72	49.10	21.13	3.17
400	14.80	20.99	18.04	14.05	1.22	0.73	42.06	20.99	3.27
450	14.63	21.17	16.84	12.30	1.22	0.73	39.52	20.85	3.15
500	14.40	21.38	15.67	10.67	1.24	0.72	39.03	20.78	3.23
550	14.12	21.65	14.57	9.15	1.25	0.71	37.41	20.53	3.15
600	13.75	22.00	13.42	7.79	1.26	0.69	35.53	20.34	3.27
650	13.29	22.43	12.32	6.58	1.29	0.67	34.56	19.95	3.16
700	12.74	22.96	11.32	5.56	1.32	0.64	33.38	19.48	3.11
750	12.14	23.53	10.56	4.78	1.34	0.61	32.64	18.90	3.37
800	11.62	24.02	9.84	4.14	1.36	0.58	31.65	18.30	3.29
850	10.96	24.64	9.06	3.49	1.39	0.53	30.73	17.61	3.30
900	10.16	25.40	8.30	2.96	1.42	0.49	29.46	16.73	3.13
950	9.26	26.23	7.65	2.53	1.49	0.46	28.61	15.87	3.41
1000	8.29	27.15	7.07	2.20	1.57	0.43	27.95	14.94	3.37

Typical Performance Data

TB-966+

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, Icc = 55.62mA @ Temperature = +85°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
1	13.71	25.65	3.04	4.60	1.18	0.71	--	15.94	--
3	15.17	20.77	9.98	15.01	1.15	0.73	33.53	18.19	--
5	15.12	20.58	13.42	19.41	1.17	0.72	33.87	18.35	--
10	15.01	20.43	16.90	23.42	1.18	0.72	34.10	18.26	3.79
20	15.02	20.38	18.79	26.06	1.19	0.71	29.07	18.09	3.47
30	15.01	20.38	19.41	26.75	1.19	0.71	30.08	18.32	3.34
40	15.01	20.38	19.43	26.97	1.19	0.71	30.99	18.51	3.31
50	15.01	20.39	19.53	27.10	1.19	0.71	31.64	18.53	3.29
60	14.99	20.38	19.72	26.90	1.19	0.71	32.26	18.56	3.22
70	14.98	20.39	19.82	26.81	1.19	0.71	33.53	18.55	3.22
80	14.98	20.39	19.89	26.72	1.19	0.71	34.69	18.64	3.18
90	14.97	20.39	19.95	26.49	1.19	0.72	35.38	18.64	3.16
100	14.96	20.40	20.03	26.26	1.19	0.72	36.41	18.61	3.12
110	14.95	20.40	20.02	25.87	1.19	0.72	38.56	18.59	3.16
120	14.94	20.41	20.05	25.53	1.20	0.72	39.18	18.61	3.16
130	14.93	20.42	20.06	25.02	1.20	0.72	38.00	18.60	3.18
140	14.92	20.43	20.10	24.58	1.20	0.72	35.93	18.52	3.10
150	14.90	20.42	20.07	24.12	1.20	0.72	35.26	18.41	3.17
160	14.89	20.45	20.02	23.65	1.20	0.72	34.97	18.42	3.11
170	14.88	20.45	20.01	23.17	1.20	0.72	35.01	18.40	3.16
180	14.87	20.46	19.92	22.69	1.20	0.72	35.55	18.40	3.13
190	14.86	20.47	19.84	22.14	1.20	0.72	36.58	18.39	3.11
200	14.84	20.49	19.83	21.63	1.20	0.73	37.15	18.41	3.09
250	14.76	20.56	19.21	19.19	1.21	0.73	35.91	18.30	3.15
300	14.66	20.66	18.37	17.02	1.22	0.74	36.75	18.20	3.15
350	14.53	20.78	17.42	15.05	1.22	0.74	36.95	18.09	3.21
400	14.38	20.93	16.51	13.27	1.23	0.74	35.05	17.94	3.20
450	14.19	21.12	15.57	11.63	1.24	0.74	33.63	17.76	3.14
500	13.95	21.34	14.60	10.09	1.25	0.73	33.49	17.68	3.19
550	13.65	21.63	13.64	8.65	1.26	0.72	32.14	17.41	3.12
600	13.26	21.99	12.65	7.36	1.28	0.70	30.38	17.19	3.27
650	12.79	22.44	11.71	6.22	1.30	0.67	29.40	16.76	3.12
700	12.22	22.98	10.78	5.27	1.33	0.64	28.15	16.17	3.03
750	11.61	23.54	10.10	4.53	1.36	0.61	27.25	15.54	3.31
800	11.07	24.04	9.46	3.92	1.38	0.57	26.02	14.88	3.19
850	10.40	24.65	8.74	3.31	1.40	0.52	24.96	14.11	3.24
900	9.60	25.40	8.02	2.81	1.44	0.48	23.31	13.14	3.09
950	8.71	26.23	7.41	2.41	1.49	0.45	22.13	12.24	3.40
1000	7.76	27.12	6.85	2.11	1.57	0.43	21.56	11.29	3.33

Typical Performance Data

TB-966+

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 9.00V, Icc = 111.79mA @ Temperature = +85°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
1	14.23	25.98	2.99	4.59	1.16	0.71	--	20.36	--
3	15.73	20.95	10.21	15.50	1.13	0.71	41.28	22.78	--
5	15.65	21.00	13.97	20.33	1.17	0.72	41.97	22.93	--
10	15.54	20.64	18.32	24.56	1.17	0.69	42.58	22.87	4.20
20	15.55	20.59	20.83	27.79	1.17	0.69	41.50	22.72	3.75
30	15.54	20.58	21.65	28.81	1.17	0.69	44.46	22.98	3.54
40	15.54	20.58	21.97	29.23	1.17	0.69	42.78	23.19	3.46
50	15.53	20.58	22.37	29.47	1.17	0.69	44.82	23.23	3.42
60	15.52	20.58	22.51	29.31	1.17	0.69	47.04	23.31	3.38
70	15.51	20.59	22.74	29.30	1.17	0.69	45.03	23.34	3.41
80	15.51	20.58	22.82	29.32	1.17	0.69	43.44	23.45	3.32
90	15.50	20.58	22.91	29.14	1.17	0.69	42.72	23.47	3.28
100	15.49	20.58	23.02	28.95	1.17	0.69	42.30	23.48	3.24
110	15.48	20.58	23.07	28.58	1.17	0.69	41.69	23.47	3.29
120	15.48	20.59	23.13	28.24	1.17	0.69	41.71	23.51	3.29
130	15.47	20.59	23.29	27.65	1.17	0.69	41.48	23.52	3.31
140	15.46	20.60	23.25	27.16	1.18	0.69	41.98	23.49	3.23
150	15.44	20.59	23.27	26.65	1.17	0.69	42.56	23.41	3.25
160	15.43	20.60	23.21	26.08	1.18	0.70	43.43	23.43	3.28
170	15.42	20.61	23.28	25.54	1.18	0.70	44.50	23.43	3.32
180	15.42	20.61	23.22	24.99	1.18	0.70	44.19	23.46	3.29
190	15.40	20.62	23.06	24.36	1.18	0.70	42.92	23.46	3.26
200	15.39	20.63	22.99	23.78	1.18	0.70	43.25	23.48	3.23
250	15.32	20.68	22.20	21.04	1.18	0.70	44.54	23.48	3.29
300	15.23	20.76	21.17	18.68	1.19	0.71	46.19	23.46	3.25
350	15.12	20.85	19.90	16.51	1.20	0.72	45.72	23.38	3.34
400	14.99	20.99	18.76	14.59	1.21	0.72	48.23	23.26	3.31
450	14.83	21.15	17.43	12.78	1.22	0.72	43.14	23.12	3.28
500	14.62	21.35	16.19	11.09	1.23	0.72	42.49	23.07	3.33
550	14.34	21.61	14.98	9.51	1.24	0.70	41.14	22.80	3.27
600	13.99	21.95	13.70	8.09	1.26	0.69	38.82	22.60	3.40
650	13.54	22.38	12.56	6.83	1.28	0.67	37.94	22.18	3.27
700	12.99	22.91	11.47	5.78	1.31	0.64	36.77	21.67	3.24
750	12.40	23.47	10.69	4.96	1.34	0.61	35.92	21.08	3.45
800	11.88	23.97	9.94	4.29	1.36	0.58	35.65	20.48	3.41
850	11.23	24.59	9.13	3.62	1.39	0.53	34.09	19.79	3.45
900	10.43	25.35	8.35	3.06	1.43	0.50	33.04	18.95	3.18
950	9.52	26.22	7.72	2.61	1.50	0.47	32.17	18.07	3.53
1000	8.54	27.16	7.15	2.27	1.60	0.44	31.73	17.15	3.53

Typical Performance Data

TB-916+

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 8.50V, Id = 103.65mA @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)			(dBm)	(dBm)	(dB)
2	16.14	21.68	8.05	10.98	1.08	0.70	-	21.15	-
3	16.02	20.80	14.65	16.32	1.10	0.69	44.19	22.26	-
4	15.88	20.83	18.57	18.89	1.13	0.69	43.97	22.55	-
5	15.81	20.86	20.83	20.48	1.15	0.70	43.92	22.70	-
6	15.79	20.80	21.92	21.76	1.15	0.69	43.73	22.78	-
7	15.73	20.59	22.47	22.74	1.15	0.68	43.80	22.83	-
8	15.74	20.82	22.77	23.74	1.17	0.69	43.65	22.87	-
9	15.69	20.69	22.77	24.02	1.16	0.69	43.68	22.91	-
10	15.72	20.59	22.71	24.81	1.15	0.68	43.77	22.92	3.75
20	15.73	20.60	23.58	27.20	1.16	0.68	43.77	23.00	3.27
30	15.70	20.61	23.56	27.54	1.16	0.68	43.74	23.15	3.11
40	15.68	20.60	23.71	27.93	1.16	0.68	43.85	23.27	3.09
50	15.69	20.58	23.15	27.46	1.16	0.68	43.73	23.31	3.02
60	15.67	20.60	23.51	27.31	1.16	0.68	43.81	23.27	2.96
70	15.67	20.61	23.58	27.18	1.16	0.68	43.86	23.22	2.98
80	15.66	20.59	23.59	26.95	1.16	0.68	43.79	23.19	2.87
90	15.67	20.60	23.64	26.69	1.16	0.68	43.82	23.22	2.87
100	15.65	20.60	23.75	26.32	1.16	0.68	44.03	23.18	2.81
110	15.64	20.61	23.73	25.92	1.16	0.68	43.98	23.18	2.84
120	15.62	20.61	23.60	25.36	1.17	0.68	44.13	23.14	2.86
130	15.60	20.62	23.59	24.82	1.17	0.68	44.11	23.13	2.80
140	15.58	20.64	23.54	24.18	1.17	0.69	44.09	23.12	2.85
150	15.53	20.68	23.13	23.45	1.17	0.69	44.13	23.07	2.78
160	15.47	20.75	22.69	22.71	1.18	0.70	44.27	23.11	2.84
170	15.36	20.85	21.92	21.96	1.20	0.72	44.11	23.02	2.86
180	15.19	21.01	20.98	21.72	1.22	0.74	43.85	22.94	2.86
190	15.06	21.14	20.32	22.50	1.24	0.76	43.82	22.87	2.89
200	15.08	21.11	20.56	24.52	1.23	0.76	43.97	22.88	2.82
210	15.19	20.99	21.23	25.98	1.22	0.74	44.42	22.97	2.79
220	15.28	20.90	21.82	25.73	1.21	0.73	44.55	23.03	2.80
230	15.33	20.86	22.31	24.59	1.20	0.72	44.54	23.10	2.79
240	15.34	20.84	22.47	23.28	1.20	0.72	44.78	23.15	2.83
250	15.34	20.84	22.64	22.05	1.20	0.72	44.83	23.12	2.80
260	15.32	20.86	22.51	20.90	1.20	0.72	45.68	23.10	2.79
270	15.29	20.88	22.19	19.80	1.20	0.72	46.21	23.12	2.78
280	15.25	20.93	21.84	18.73	1.20	0.72	46.47	23.08	2.83
290	15.19	20.98	21.36	17.71	1.21	0.73	46.18	23.10	2.86
300	15.11	21.05	20.60	16.57	1.21	0.73	45.72	23.08	2.85
350	14.23	21.93	16.00	11.71	1.32	0.78	42.56	22.22	2.86
400	11.37	24.77	11.13	7.91	1.82	0.90	37.15	19.43	2.98
450	12.66	23.48	11.26	9.34	1.55	0.87	36.80	20.80	2.74



Typical Performance Data

TB-916+

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 = 53.93mA @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
2	15.63	21.49	8.24	11.04	1.09	0.73	-	16.73	-
3	15.54	20.87	14.65	16.90	1.13	0.73	35.07	17.90	-
4	15.39	20.67	18.18	19.65	1.15	0.72	38.42	18.20	-
5	15.33	20.40	19.73	21.15	1.15	0.70	40.73	18.30	-
6	15.31	20.48	20.34	22.29	1.16	0.71	42.51	18.47	-
7	15.25	20.53	20.51	23.07	1.17	0.71	44.07	18.42	-
8	15.26	20.21	20.59	23.67	1.15	0.69	44.63	18.48	-
9	15.21	20.46	20.57	23.90	1.18	0.71	45.13	18.59	-
10	15.25	20.37	21.47	24.40	1.17	0.70	45.33	18.61	3.43
20	15.26	20.45	20.87	25.69	1.18	0.70	43.66	18.63	3.06
30	15.23	20.40	20.81	25.69	1.18	0.70	42.25	18.73	2.95
40	15.20	20.40	21.06	25.89	1.18	0.70	41.01	18.83	2.93
50	15.21	20.38	20.65	25.48	1.18	0.70	40.75	18.83	2.88
60	15.19	20.42	20.68	25.28	1.18	0.70	39.88	18.75	2.79
70	15.19	20.42	20.78	25.12	1.18	0.70	39.06	18.68	2.80
80	15.18	20.40	20.68	24.90	1.18	0.70	38.62	18.64	2.82
90	15.19	20.43	20.77	24.66	1.18	0.70	38.30	18.66	2.73
100	15.16	20.42	20.87	24.32	1.18	0.70	38.58	18.59	2.75
110	15.16	20.42	20.75	23.96	1.18	0.70	38.39	18.55	2.74
120	15.14	20.44	20.70	23.48	1.18	0.70	38.39	18.48	2.76
130	15.12	20.46	20.64	23.01	1.19	0.71	38.64	18.42	2.77
140	15.09	20.48	20.53	22.48	1.19	0.71	38.61	18.37	2.71
150	15.05	20.52	20.27	21.86	1.19	0.72	38.49	18.32	2.71
160	14.98	20.58	19.92	21.26	1.20	0.72	38.46	18.37	2.74
170	14.87	20.69	19.39	20.69	1.22	0.74	38.43	18.28	2.69
180	14.70	20.85	18.68	20.61	1.24	0.76	38.88	18.19	2.75
190	14.56	20.99	18.19	21.52	1.26	0.78	39.47	18.13	2.73
200	14.59	20.96	18.37	23.42	1.26	0.78	39.45	18.13	2.73
210	14.70	20.84	18.89	24.41	1.24	0.77	39.12	18.19	2.69
220	14.79	20.76	19.33	23.84	1.23	0.76	38.94	18.23	2.64
230	14.83	20.71	19.64	22.71	1.22	0.75	38.39	18.31	2.71
240	14.85	20.70	19.74	21.52	1.22	0.74	38.37	18.36	2.71
250	14.84	20.70	19.77	20.44	1.22	0.74	37.79	18.31	2.70
260	14.82	20.72	19.69	19.43	1.22	0.74	38.10	18.28	2.70
270	14.79	20.75	19.46	18.46	1.22	0.74	38.13	18.30	2.70
280	14.74	20.80	19.19	17.52	1.23	0.74	37.73	18.26	2.73
290	14.68	20.86	18.85	16.61	1.23	0.75	37.30	18.27	2.71
300	14.60	20.94	18.32	15.59	1.24	0.75	36.74	18.25	2.77
350	13.69	21.84	14.74	11.19	1.34	0.80	34.60	17.39	2.84
400	10.84	24.68	10.50	7.79	1.87	0.91	30.47	14.77	2.89
450	12.18	23.34	10.75	9.59	1.59	0.90	29.74	16.20	2.63

Typical Performance Data

TB-916+

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 9.00V, Id = 110.76mA @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
2	16.17	21.72	8.02	10.92	1.07	0.70	-	21.67	-
3	16.04	21.01	14.65	16.28	1.11	0.70	44.98	22.76	-
4	15.90	20.90	18.59	18.71	1.14	0.70	44.79	23.03	-
5	15.83	20.81	20.95	20.50	1.15	0.69	44.63	23.11	-
6	15.82	20.79	21.97	21.76	1.15	0.69	44.69	23.27	-
7	15.75	20.71	22.52	22.81	1.15	0.69	44.57	23.30	-
8	15.76	20.60	22.95	23.60	1.15	0.68	44.42	23.36	-
9	15.72	20.60	23.03	24.11	1.15	0.68	44.55	23.39	-
10	15.73	20.62	24.50	24.75	1.16	0.68	44.51	23.40	3.78
20	15.76	20.63	23.20	27.24	1.16	0.68	44.54	23.45	3.37
30	15.73	20.61	23.58	27.63	1.16	0.68	44.61	23.59	3.19
40	15.70	20.60	23.88	28.01	1.16	0.68	44.58	23.72	3.12
50	15.71	20.61	23.62	27.58	1.16	0.68	44.45	23.77	3.04
60	15.70	20.60	23.82	27.43	1.16	0.68	44.51	23.72	2.98
70	15.70	20.62	23.74	27.29	1.16	0.68	44.65	23.68	2.99
80	15.69	20.61	23.91	27.07	1.16	0.68	44.63	23.64	2.94
90	15.69	20.62	23.89	26.82	1.16	0.68	44.75	23.68	2.85
100	15.67	20.61	23.97	26.45	1.16	0.68	44.70	23.65	2.89
110	15.66	20.61	23.99	26.06	1.16	0.68	44.82	23.64	2.93
120	15.65	20.62	23.98	25.49	1.16	0.68	44.72	23.61	2.89
130	15.63	20.63	23.81	24.96	1.17	0.68	44.90	23.60	2.85
140	15.60	20.66	23.69	24.31	1.17	0.69	44.84	23.60	2.82
150	15.56	20.69	23.39	23.58	1.17	0.69	44.86	23.55	2.83
160	15.49	20.75	22.83	22.83	1.18	0.70	44.94	23.59	2.90
170	15.39	20.85	22.06	22.09	1.19	0.71	44.90	23.50	2.90
180	15.22	21.02	21.10	21.83	1.22	0.74	44.69	23.42	2.92
190	15.09	21.15	20.47	22.62	1.24	0.76	44.53	23.35	2.86
200	15.11	21.11	20.74	24.66	1.23	0.76	44.69	23.36	2.87
210	15.22	21.00	21.36	26.14	1.22	0.74	45.04	23.45	2.85
220	15.31	20.91	22.02	25.90	1.21	0.73	45.27	23.52	2.84
230	15.36	20.86	22.53	24.76	1.20	0.72	45.30	23.59	2.86
240	15.37	20.85	22.71	23.43	1.20	0.72	45.42	23.64	2.84
250	15.37	20.84	22.81	22.20	1.19	0.72	45.62	23.61	2.82
260	15.35	20.86	22.72	21.03	1.20	0.72	46.54	23.59	2.82
270	15.32	20.89	22.42	19.92	1.20	0.72	47.04	23.61	2.79
280	15.27	20.93	22.03	18.84	1.20	0.72	47.15	23.57	2.82
290	15.21	20.98	21.50	17.81	1.21	0.72	46.96	23.59	2.86
300	15.14	21.06	20.77	16.66	1.21	0.73	46.74	23.57	2.93
350	14.25	21.94	16.06	11.76	1.31	0.78	42.85	22.70	2.93
400	11.40	24.78	11.18	7.93	1.82	0.90	37.82	19.87	3.00
450	12.70	23.48	11.31	9.33	1.55	0.87	37.55	21.25	2.82

Typical Performance Data

TB-916+

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 8.50V, Id = 104.14mA @ Temperature = -45°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)			(dBm)	(dBm)	(dB)
2	16.29	21.69	7.90	11.11	1.07	0.70	-	21.17	-
3	16.13	20.99	14.57	16.68	1.11	0.69	45.93	22.23	-
4	15.97	20.92	18.49	19.12	1.13	0.69	45.66	22.52	-
5	15.90	20.90	20.70	20.80	1.15	0.69	45.58	22.67	-
6	15.88	20.76	21.70	21.77	1.14	0.68	45.62	22.82	-
7	15.82	20.75	22.32	23.08	1.15	0.68	45.43	22.80	-
8	15.83	20.74	22.62	23.98	1.15	0.68	45.25	22.84	-
9	15.78	20.74	22.76	24.28	1.16	0.68	45.15	22.95	-
10	15.82	20.72	23.38	24.80	1.16	0.68	45.26	22.96	3.61
20	15.83	20.63	23.10	26.85	1.15	0.67	45.34	22.96	2.92
30	15.80	20.63	23.26	26.93	1.15	0.67	45.32	23.10	2.70
40	15.78	20.63	23.04	27.09	1.16	0.67	45.41	23.24	2.61
50	15.78	20.63	22.95	26.48	1.16	0.67	45.23	23.28	2.54
60	15.77	20.63	22.90	26.14	1.16	0.67	45.22	23.25	2.40
70	15.78	20.63	22.76	25.86	1.16	0.67	45.22	23.21	2.44
80	15.76	20.62	22.74	25.54	1.16	0.67	45.21	23.19	2.39
90	15.77	20.64	22.57	25.26	1.16	0.67	45.08	23.24	2.37
100	15.75	20.63	22.62	24.89	1.16	0.67	45.26	23.21	2.37
110	15.74	20.63	22.52	24.57	1.16	0.67	45.28	23.21	2.33
120	15.73	20.63	22.28	24.12	1.16	0.67	45.22	23.19	2.34
130	15.72	20.64	22.23	23.77	1.16	0.68	45.22	23.18	2.36
140	15.70	20.65	22.16	23.40	1.16	0.68	45.37	23.19	2.31
150	15.67	20.67	21.88	22.94	1.16	0.68	45.38	23.16	2.32
160	15.63	20.71	21.62	22.50	1.17	0.69	45.37	23.22	2.36
170	15.56	20.77	21.19	21.95	1.18	0.70	45.34	23.16	2.30
180	15.42	20.91	20.40	21.55	1.19	0.72	44.85	23.10	2.33
190	15.21	21.12	19.41	21.69	1.22	0.75	44.55	22.97	2.36
200	15.07	21.24	19.01	23.59	1.24	0.77	44.39	22.87	2.31
210	15.18	21.13	19.53	27.03	1.23	0.76	44.77	22.95	2.30
220	15.34	20.98	20.45	28.56	1.21	0.74	45.18	23.07	2.26
230	15.43	20.88	21.19	27.29	1.19	0.72	45.36	23.20	2.32
240	15.47	20.84	21.76	25.45	1.19	0.71	45.53	23.28	2.31
250	15.49	20.81	22.11	23.84	1.18	0.71	45.93	23.26	2.27
260	15.49	20.81	22.28	22.41	1.18	0.71	46.78	23.26	2.31
270	15.47	20.83	22.28	21.10	1.18	0.71	47.20	23.29	2.29
280	15.45	20.85	22.14	19.86	1.19	0.71	47.33	23.28	2.32
290	15.41	20.89	21.90	18.70	1.19	0.71	47.01	23.32	2.32
300	15.35	20.94	21.38	17.44	1.19	0.71	46.77	23.32	2.33
350	14.71	21.58	17.09	12.27	1.26	0.74	43.41	22.71	2.35
400	11.95	24.32	11.37	7.51	1.66	0.85	38.61	20.06	2.49
450	12.02	24.25	10.38	7.93	1.65	0.87	35.11	20.16	2.18

Typical Performance Data

TB-916+

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 = 53.31mA @ Temperature = -45°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
2	15.85	21.32	8.06	11.35	1.07	0.71	-	16.53	-
3	15.70	20.75	14.63	17.51	1.12	0.71	41.06	17.89	-
4	15.55	20.53	18.20	20.06	1.14	0.70	37.20	18.18	-
5	15.47	20.56	19.80	21.53	1.15	0.70	36.40	18.28	-
6	15.45	20.38	20.32	22.36	1.15	0.69	36.07	18.44	-
7	15.39	20.57	20.53	23.04	1.17	0.70	35.84	18.38	-
8	15.39	20.49	20.65	23.61	1.16	0.70	35.92	18.44	-
9	15.35	20.42	20.65	23.65	1.16	0.69	35.68	18.57	-
10	15.39	20.47	20.13	23.95	1.16	0.69	35.53	18.58	2.96
20	15.40	20.42	20.49	24.70	1.16	0.69	35.39	18.64	2.55
30	15.37	20.41	20.78	24.51	1.17	0.69	35.36	18.74	2.45
40	15.35	20.39	20.88	24.51	1.17	0.69	35.23	18.84	2.37
50	15.35	20.40	20.32	24.02	1.17	0.69	35.14	18.85	2.36
60	15.33	20.40	20.42	23.73	1.17	0.69	35.07	18.79	2.32
70	15.34	20.41	20.51	23.49	1.17	0.69	35.01	18.71	2.29
80	15.33	20.42	20.33	23.23	1.17	0.69	34.91	18.69	2.20
90	15.33	20.42	20.27	22.99	1.17	0.69	34.86	18.72	2.24
100	15.31	20.42	20.17	22.68	1.17	0.69	34.89	18.65	2.21
110	15.31	20.42	20.09	22.42	1.17	0.69	34.90	18.62	2.20
120	15.29	20.43	19.96	22.04	1.17	0.69	34.91	18.55	2.23
130	15.28	20.44	19.90	21.76	1.17	0.69	34.88	18.49	2.24
140	15.26	20.46	19.75	21.46	1.17	0.69	34.89	18.44	2.20
150	15.23	20.49	19.59	21.10	1.18	0.70	34.94	18.41	2.19
160	15.19	20.53	19.35	20.76	1.18	0.70	34.92	18.47	2.21
170	15.11	20.60	18.99	20.36	1.19	0.71	34.83	18.41	2.17
180	14.97	20.73	18.42	20.16	1.21	0.73	34.68	18.34	2.24
190	14.75	20.95	17.61	20.56	1.24	0.77	34.59	18.21	2.22
200	14.62	21.08	17.30	22.68	1.26	0.79	34.57	18.12	2.22
210	14.73	20.97	17.76	25.75	1.25	0.78	34.85	18.17	2.16
220	14.88	20.81	18.46	26.16	1.22	0.76	34.93	18.25	2.16
230	14.98	20.72	19.07	24.69	1.21	0.74	34.95	18.37	2.20
240	15.02	20.67	19.40	23.12	1.20	0.73	35.03	18.45	2.16
250	15.04	20.65	19.62	21.80	1.20	0.73	34.90	18.41	2.20
260	15.04	20.66	19.75	20.62	1.20	0.73	35.09	18.39	2.17
270	15.02	20.67	19.70	19.52	1.20	0.73	35.20	18.41	2.17
280	14.99	20.70	19.61	18.46	1.20	0.73	35.14	18.39	2.18
290	14.95	20.74	19.39	17.47	1.21	0.73	34.92	18.42	2.25
300	14.89	20.80	19.03	16.36	1.21	0.73	34.70	18.42	2.29
350	14.23	21.46	15.72	11.68	1.28	0.76	32.99	17.75	2.24
400	11.45	24.22	10.78	7.35	1.70	0.85	28.42	15.23	2.32
450	11.58	24.11	9.98	8.13	1.69	0.89	30.69	15.60	2.13



Typical Performance Data

TB-916+

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 9.00V, Id = 111.00mA @ Temperature = -45°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
2	16.32	21.59	7.92	11.09	1.06	0.69	-	21.67	-
3	16.15	20.88	14.51	16.45	1.10	0.68	47.34	22.74	-
4	16.00	20.92	18.52	19.03	1.13	0.69	46.87	23.00	-
5	15.93	20.58	20.76	20.69	1.12	0.67	46.59	23.16	-
6	15.91	20.60	21.64	21.86	1.13	0.67	46.56	23.24	-
7	15.85	20.49	22.54	22.87	1.13	0.66	46.47	23.28	-
8	15.85	20.57	22.60	23.95	1.14	0.67	46.48	23.34	-
9	15.81	20.69	22.84	24.28	1.15	0.68	46.34	23.38	-
10	15.85	20.65	23.44	24.94	1.15	0.67	46.50	23.38	3.74
20	15.85	20.67	23.12	27.08	1.15	0.67	46.35	23.43	3.04
30	15.83	20.66	23.22	27.14	1.15	0.67	46.32	23.57	2.79
40	15.80	20.65	23.57	27.30	1.16	0.67	46.47	23.71	2.68
50	15.81	20.64	22.97	26.68	1.15	0.67	46.23	23.76	2.57
60	15.80	20.64	23.04	26.34	1.16	0.67	46.40	23.72	2.53
70	15.80	20.66	22.91	26.06	1.16	0.67	46.39	23.68	2.44
80	15.79	20.63	22.92	25.75	1.16	0.67	46.30	23.67	2.48
90	15.80	20.65	22.90	25.46	1.16	0.67	46.33	23.71	2.38
100	15.78	20.64	22.74	25.08	1.16	0.67	46.25	23.69	2.37
110	15.77	20.64	22.74	24.74	1.16	0.67	46.19	23.70	2.35
120	15.76	20.64	22.48	24.28	1.16	0.67	46.26	23.67	2.38
130	15.75	20.65	22.42	23.93	1.16	0.67	46.27	23.67	2.39
140	15.73	20.66	22.22	23.54	1.16	0.68	46.28	23.69	2.38
150	15.70	20.69	22.06	23.09	1.16	0.68	46.29	23.66	2.34
160	15.66	20.72	21.82	22.64	1.17	0.69	46.43	23.71	2.39
170	15.59	20.79	21.33	22.07	1.18	0.70	46.25	23.66	2.34
180	15.44	20.92	20.56	21.65	1.19	0.72	45.93	23.60	2.37
190	15.23	21.14	19.52	21.75	1.22	0.75	45.51	23.47	2.36
200	15.10	21.26	19.12	23.62	1.24	0.77	45.38	23.36	2.35
210	15.21	21.15	19.68	27.05	1.23	0.76	45.62	23.45	2.32
220	15.37	20.99	20.59	28.68	1.21	0.74	45.95	23.57	2.33
230	15.46	20.90	21.38	27.45	1.19	0.72	46.27	23.70	2.36
240	15.50	20.85	21.91	25.60	1.19	0.71	46.19	23.78	2.32
250	15.52	20.83	22.27	23.97	1.18	0.71	46.80	23.77	2.33
260	15.52	20.82	22.50	22.53	1.18	0.71	47.59	23.76	2.34
270	15.50	20.84	22.47	21.19	1.18	0.71	47.98	23.79	2.33
280	15.47	20.87	22.35	19.94	1.18	0.71	47.89	23.78	2.33
290	15.43	20.90	22.10	18.78	1.19	0.71	47.74	23.82	2.32
300	15.38	20.95	21.55	17.50	1.19	0.71	47.44	23.83	2.37
350	14.74	21.59	17.18	12.30	1.25	0.74	44.16	23.21	2.38
400	11.99	24.32	11.42	7.52	1.66	0.84	39.07	20.52	2.42
450	12.05	24.26	10.41	7.92	1.65	0.87	36.05	20.63	2.18



Typical Performance Data

TB-916+

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 8.50V, Id = 103.09mA @ Temperature = +85°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
2	15.93	21.76	8.18	10.87	1.09	0.72	-	20.71	-
3	15.84	21.08	14.66	16.33	1.13	0.72	43.07	21.85	-
4	15.71	20.70	18.59	18.88	1.13	0.70	42.84	22.02	-
5	15.64	20.78	20.78	20.53	1.16	0.70	42.66	22.18	-
6	15.63	20.62	21.78	21.85	1.15	0.69	42.57	22.25	-
7	15.57	20.59	22.28	22.71	1.16	0.69	42.57	22.29	-
8	15.58	20.53	22.66	23.70	1.16	0.68	42.47	22.34	-
9	15.53	20.57	22.75	23.94	1.16	0.69	42.45	22.38	-
10	15.57	20.56	22.31	24.50	1.16	0.69	42.46	22.38	4.26
20	15.56	20.53	22.89	26.80	1.16	0.68	42.55	22.41	3.76
30	15.54	20.53	23.25	27.16	1.17	0.68	42.56	22.57	3.59
40	15.51	20.51	23.75	27.62	1.17	0.68	42.66	22.70	3.49
50	15.52	20.51	23.38	27.30	1.17	0.68	42.63	22.73	3.48
60	15.50	20.53	23.39	27.29	1.17	0.69	42.68	22.69	3.45
70	15.50	20.52	23.67	27.30	1.17	0.68	42.75	22.65	3.44
80	15.49	20.51	23.85	27.21	1.17	0.69	42.76	22.62	3.36
90	15.50	20.53	24.01	27.06	1.17	0.69	42.79	22.66	3.35
100	15.47	20.53	24.21	26.73	1.17	0.69	42.97	22.63	3.35
110	15.46	20.53	24.25	26.31	1.17	0.69	42.97	22.63	3.33
120	15.44	20.55	24.24	25.69	1.17	0.69	43.15	22.59	3.33
130	15.42	20.56	24.26	25.07	1.18	0.69	43.11	22.60	3.31
140	15.38	20.59	23.99	24.30	1.18	0.70	43.15	22.59	3.30
150	15.32	20.64	23.61	23.46	1.19	0.70	43.20	22.53	3.30
160	15.23	20.73	22.97	22.66	1.20	0.72	43.27	22.55	3.33
170	15.10	20.86	22.13	22.06	1.22	0.73	43.19	22.43	3.34
180	14.96	20.98	21.39	22.29	1.24	0.75	43.05	22.38	3.34
190	14.94	21.01	21.33	23.46	1.24	0.76	43.08	22.39	3.28
200	15.01	20.94	21.88	24.75	1.23	0.75	43.41	22.44	3.27
210	15.08	20.85	22.47	24.91	1.22	0.74	43.65	22.52	3.26
220	15.13	20.81	22.90	24.13	1.21	0.73	43.68	22.56	3.26
230	15.15	20.79	23.13	23.04	1.21	0.73	43.95	22.60	3.32
240	15.14	20.79	23.05	21.88	1.21	0.73	43.93	22.63	3.31
250	15.12	20.81	22.90	20.79	1.21	0.73	44.02	22.60	3.28
260	15.09	20.84	22.54	19.74	1.21	0.73	44.64	22.58	3.28
270	15.04	20.88	22.01	18.71	1.22	0.73	45.28	22.58	3.29
280	14.98	20.94	21.40	17.71	1.22	0.74	45.34	22.53	3.31
290	14.89	21.02	20.72	16.74	1.23	0.74	44.98	22.52	3.38
300	14.79	21.12	19.81	15.66	1.24	0.75	44.50	22.47	3.35
350	13.61	22.31	14.89	11.14	1.40	0.82	41.08	21.27	3.35
400	11.26	24.62	11.09	8.58	1.85	0.93	35.06	18.83	3.45
450	12.96	22.94	11.82	10.59	1.49	0.88	37.23	20.63	3.31



Typical Performance Data

TB-916+

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 = 53.80mA @ Temperature = +85°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
2	15.42	21.30	8.37	10.98	1.09	0.73	-	16.38	-
3	15.35	20.77	14.71	16.99	1.14	0.74	31.65	17.54	-
4	15.22	20.48	18.00	19.61	1.15	0.72	33.34	17.76	-
5	15.16	20.56	19.56	21.22	1.17	0.72	34.01	17.92	-
6	15.15	20.38	19.98	22.19	1.17	0.71	34.54	18.00	-
7	15.08	20.45	20.22	22.96	1.18	0.72	34.85	18.04	-
8	15.09	20.29	20.36	23.49	1.17	0.70	34.59	18.09	-
9	15.04	20.46	20.34	23.79	1.19	0.72	35.16	18.13	-
10	15.08	20.33	19.77	24.09	1.18	0.71	35.18	18.14	3.83
20	15.09	20.33	20.42	25.28	1.18	0.70	36.08	18.22	3.56
30	15.05	20.30	20.47	25.33	1.18	0.70	36.07	18.33	3.43
40	15.03	20.32	20.57	25.56	1.18	0.71	36.84	18.42	3.38
50	15.03	20.30	20.35	25.25	1.18	0.70	36.91	18.42	3.34
60	15.01	20.32	20.53	25.19	1.19	0.71	37.81	18.35	3.27
70	15.02	20.32	20.75	25.15	1.19	0.71	39.05	18.28	3.31
80	15.00	20.32	20.84	25.04	1.19	0.71	39.83	18.24	3.21
90	15.01	20.34	20.88	24.89	1.19	0.71	40.79	18.26	3.21
100	14.98	20.33	21.03	24.60	1.19	0.71	40.21	18.19	3.20
110	14.97	20.34	21.00	24.22	1.19	0.71	40.82	18.16	3.20
120	14.95	20.35	20.94	23.70	1.19	0.71	41.09	18.08	3.20
130	14.93	20.38	20.83	23.18	1.19	0.71	40.41	18.04	3.17
140	14.89	20.41	20.80	22.56	1.20	0.72	40.81	17.99	3.12
150	14.83	20.47	20.44	21.89	1.21	0.73	41.41	17.92	3.12
160	14.74	20.56	20.03	21.27	1.22	0.74	40.97	17.94	3.19
170	14.61	20.69	19.43	20.87	1.24	0.76	39.89	17.83	3.17
180	14.46	20.82	18.90	21.25	1.26	0.78	38.38	17.76	3.21
190	14.43	20.86	18.87	22.42	1.26	0.78	38.08	17.76	3.20
200	14.50	20.79	19.25	23.43	1.25	0.77	38.75	17.80	3.20
210	14.58	20.70	19.63	23.27	1.24	0.76	39.55	17.85	3.18
220	14.62	20.66	19.91	22.39	1.23	0.76	39.77	17.87	3.14
230	14.65	20.64	20.05	21.35	1.23	0.75	40.63	17.92	3.20
240	14.64	20.64	19.96	20.30	1.23	0.75	40.74	17.95	3.16
250	14.61	20.67	19.84	19.32	1.23	0.75	39.96	17.90	3.20
260	14.58	20.70	19.56	18.38	1.23	0.75	39.24	17.87	3.18
270	14.52	20.75	19.17	17.47	1.24	0.75	38.61	17.86	3.17
280	14.46	20.82	18.78	16.58	1.25	0.76	38.49	17.81	3.14
290	14.37	20.90	18.26	15.71	1.25	0.76	37.93	17.80	3.20
300	14.26	21.01	17.61	14.74	1.27	0.77	37.61	17.76	3.25
350	13.06	22.21	13.73	10.68	1.43	0.83	37.00	16.63	3.25
400	10.73	24.54	10.42	8.53	1.90	0.94	31.94	14.41	3.31
450	12.48	22.80	11.25	10.96	1.53	0.91	29.35	16.11	3.12

Typical Performance Data

TB-916+

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 9.00V, Id = 109.89mA @ Temperature = +85°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
2	15.95	21.56	8.14	10.88	1.08	0.71	-	21.23	-
3	15.87	20.98	14.69	16.34	1.12	0.71	43.27	22.35	-
4	15.73	20.67	18.73	18.83	1.13	0.69	43.09	22.51	-
5	15.67	20.65	20.92	20.57	1.15	0.69	42.90	22.57	-
6	15.65	20.44	21.79	21.77	1.14	0.68	43.00	22.81	-
7	15.59	20.64	22.45	22.78	1.16	0.69	42.82	22.77	-
8	15.60	20.73	22.81	23.55	1.17	0.70	42.80	22.83	-
9	15.55	20.57	22.99	24.02	1.16	0.69	42.75	22.86	-
10	15.57	20.52	22.42	24.51	1.16	0.68	42.80	22.86	4.35
20	15.58	20.51	23.73	26.78	1.16	0.68	42.89	22.86	3.82
30	15.56	20.53	23.74	27.15	1.16	0.68	42.95	23.02	3.63
40	15.53	20.53	23.83	27.60	1.17	0.68	43.05	23.15	3.57
50	15.54	20.52	23.61	27.29	1.17	0.68	43.02	23.19	3.54
60	15.52	20.53	23.81	27.28	1.17	0.68	43.04	23.15	3.44
70	15.53	20.54	24.02	27.32	1.17	0.68	43.12	23.11	3.46
80	15.51	20.52	24.04	27.22	1.17	0.68	43.15	23.08	3.39
90	15.52	20.54	24.33	27.09	1.17	0.68	43.11	23.12	3.38
100	15.49	20.53	24.43	26.78	1.17	0.69	43.27	23.10	3.40
110	15.48	20.54	24.55	26.35	1.17	0.69	43.30	23.10	3.37
120	15.46	20.55	24.49	25.73	1.17	0.69	43.39	23.07	3.43
130	15.44	20.56	24.40	25.13	1.17	0.69	43.48	23.08	3.35
140	15.40	20.59	24.25	24.36	1.18	0.70	43.57	23.07	3.34
150	15.34	20.65	23.76	23.53	1.19	0.70	43.45	23.01	3.32
160	15.26	20.73	23.18	22.73	1.20	0.72	43.57	23.03	3.35
170	15.12	20.87	22.27	22.13	1.21	0.73	43.46	22.91	3.35
180	14.98	20.99	21.55	22.38	1.23	0.75	43.22	22.86	3.39
190	14.96	21.02	21.53	23.57	1.24	0.76	43.30	22.87	3.37
200	15.03	20.94	22.10	24.88	1.23	0.75	43.50	22.93	3.30
210	15.10	20.86	22.68	25.03	1.22	0.74	43.83	23.00	3.31
220	15.15	20.81	23.09	24.24	1.21	0.73	43.83	23.05	3.32
230	15.17	20.79	23.32	23.14	1.21	0.73	44.04	23.09	3.37
240	15.16	20.79	23.30	21.97	1.21	0.73	44.00	23.12	3.34
250	15.14	20.81	23.11	20.87	1.21	0.73	44.14	23.10	3.31
260	15.11	20.84	22.77	19.81	1.21	0.73	44.88	23.07	3.30
270	15.06	20.88	22.20	18.78	1.21	0.73	45.10	23.07	3.29
280	15.00	20.95	21.59	17.78	1.22	0.74	45.29	23.02	3.31
290	14.91	21.02	20.86	16.80	1.23	0.74	44.85	23.01	3.40
300	14.81	21.13	19.90	15.71	1.24	0.75	44.46	22.96	3.40
350	13.62	22.32	14.93	11.17	1.40	0.82	41.09	21.73	3.42
400	11.29	24.63	11.14	8.60	1.85	0.93	36.49	19.26	3.53
450	12.99	22.93	11.87	10.58	1.49	0.88	38.31	21.10	3.27

