

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: V_{DD} = +3.3 V, I_{DD} = 65 mA, V_{CTRL} = +0 V @ Temperature = -45°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Noise Figure	Stability		FREQ	IP-3 Output			1dB Comp. Output
						K	Measure		P _{OUT} = 0 dBm/Tone	P _{OUT} = +3 dBm/Tone	P _{OUT} = +6 dBm/Tone	
(MHz)	(dB)	(dB)	(dB)	(dB)	(dB)	K	Measure	(MHz)	(dBm)	(dBm)	(dBm)	(dBm)
400	32.84	62.73	6.21	5.77	0.73	8.69	0.92	660	27.93	24.29	22.41	15.85
410	33.17	60.17	6.42	6.02	0.52	6.44	0.93	680	27.70	23.89	22.01	15.76
420	33.46	62.09	6.63	6.29	0.61	8.02	0.94	700	27.54	23.58	21.66	16.00
430	33.72	63.47	6.87	6.63	0.69	9.54	0.95	720	27.47	23.43	21.45	15.98
440	33.97	61.13	7.10	6.94	0.65	7.31	0.96	740	27.31	23.41	21.25	16.04
450	34.23	62.42	7.36	7.27	0.63	8.54	0.97	760	27.11	23.34	21.10	16.06
460	34.45	63.66	7.57	7.54	0.61	9.77	0.97	780	26.98	23.23	21.06	16.22
470	34.64	60.52	7.91	7.91	0.60	6.89	0.98	800	26.79	22.95	20.89	16.03
480	34.84	63.78	8.17	8.22	0.63	10.08	0.98	820	26.54	22.66	20.60	16.05
490	35.05	61.31	8.43	8.59	0.71	7.55	0.99	840	26.55	22.79	20.60	16.18
500	35.20	66.92	8.77	8.90	0.60	15.06	0.99	860	26.56	23.14	20.72	16.17
510	35.39	64.95	9.10	9.34	0.57	11.70	0.99	880	26.50	23.34	20.84	15.98
520	35.55	62.78	9.40	9.67	0.71	9.15	0.99	900	26.30	23.32	21.04	16.08
530	35.65	63.43	9.76	10.01	0.58	9.91	1.00	920	26.20	23.17	21.03	16.12
540	35.79	66.89	10.13	10.45	0.64	16.37	1.00					
550	35.90	63.45	10.45	10.84	0.55	10.50	1.00					
560	36.02	62.44	10.81	11.23	0.55	8.87	1.01					
570	36.14	64.09	11.28	11.69	0.54	11.67	1.00					
580	36.23	65.17	11.67	12.13	0.57	12.38	1.00					
590	36.30	66.71	12.09	12.64	0.48	15.27	1.01					
600	36.38	69.97	12.59	13.14	0.57	32.73	1.01					
610	36.44	73.66	13.03	13.61	0.59	33.42	1.00					
620	36.49	81.61	13.48	14.26	0.51	83.55	1.01					
630	36.54	71.08	13.97	14.82	0.54	28.77	1.00					
640	36.60	73.81	14.53	15.55	0.55	34.65	1.01					
650	36.64	67.47	15.02	16.13	0.52	16.81	1.01					
660	36.67	72.79	15.60	16.81	0.60	35.64	1.01					
670	36.70	70.40	16.19	17.54	0.57	32.56	1.01					
680	36.74	69.63	16.75	18.27	0.49	25.97	1.00					
690	36.75	72.18	17.39	19.19	0.50	31.69	1.01					
700	36.75	77.16	17.91	20.09	0.48	56.33	1.01					
710	36.76	65.47	18.74	21.08	0.56	14.24	1.00					
720	36.76	66.43	19.50	22.16	0.63	15.23	1.00					
730	36.76	66.47	20.42	23.56	0.55	17.19	1.00					
740	36.76	67.66	21.21	25.13	0.46	18.41	1.00					
750	36.75	63.35	22.09	26.09	0.51	10.95	1.00					
760	36.74	62.00	22.92	27.85	0.65	9.21	1.00					
770	36.72	60.05	23.90	28.86	0.62	7.37	1.00					
780	36.70	61.62	24.84	29.37	0.59	8.85	1.00					
790	36.69	61.20	26.00	28.66	0.48	8.47	1.00					
800	36.67	60.44	27.22	27.08	0.51	7.77	1.00					
810	36.65	60.21	28.07	25.95	0.51	7.58	0.99					
820	36.64	59.25	28.79	24.38	0.42	6.82	0.99					
830	36.61	59.32	29.39	23.28	0.53	6.88	0.99					
840	36.59	57.69	30.06	21.96	0.45	5.76	0.99					
850	36.57	59.10	29.64	20.63	0.44	6.74	0.99					
860	36.53	57.70	28.53	19.63	0.46	5.76	0.98					
870	36.48	59.02	27.70	18.95	0.60	6.78	0.98					
880	36.45	57.14	26.75	18.04	0.59	5.41	0.98					
890	36.42	56.53	26.29	17.59	0.59	5.04	0.98					
900	36.38	58.05	25.15	16.73	0.57	6.03	0.97					
910	36.33	56.46	24.39	15.87	0.47	5.01	0.97					
920	36.29	55.39	23.59	15.33	0.61	4.46	0.96					
930	36.24	54.23	22.76	14.70	0.62	3.90	0.96					
940	36.19	54.58	22.19	14.23	0.71	4.07	0.95					
950	36.15	54.57	21.53	13.79	0.67	4.08	0.95					
960	36.11	53.59	20.84	13.25	0.62	3.65	0.94					
970	36.06	52.39	20.37	12.76	0.48	3.17	0.93					
980	36.02	54.65	19.96	12.30	0.52	4.06	0.94					
990	35.96	53.25	19.39	11.86	0.51	3.47	0.93					
1000	35.92	52.65	19.05	11.48	0.50	3.24	0.92					

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: V_{DD} = +3.3 V, I_{DD} = 62 mA, V_{CTRL} = +0 V @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Noise Figure	Stability		FREQ	IP-3 Output			1dB Comp. Output
									P _{OUT} = 0 dBm/Tone	P _{OUT} = +3 dBm/Tone	P _{OUT} = +6 dBm/Tone	
(MHz)	(dB)	(dB)	(dB)	(dB)	(dB)	K	Measure	(MHz)	(dBm)	(dBm)	(dBm)	(dBm)
400	31.10	61.99	6.30	6.32	1.08	10.70	0.96	660	25.59	20.48	20.10	15.95
410	31.42	59.84	6.49	6.60	1.08	7.87	0.97	680	25.37	20.30	19.75	15.93
420	31.69	60.22	6.77	6.89	1.04	8.39	0.97	700	25.21	20.16	19.57	16.11
430	31.99	63.68	6.98	7.23	1.08	14.59	0.98	720	25.13	20.10	19.44	16.16
440	32.24	61.94	7.23	7.58	1.04	10.27	0.99	740	24.94	19.93	19.21	16.18
450	32.47	61.35	7.48	7.91	1.00	9.75	1.00	760	24.70	19.74	19.08	16.19
460	32.70	61.06	7.73	8.26	1.07	9.42	1.00	780	24.72	19.79	19.09	16.37
470	32.92	63.03	8.03	8.57	1.00	12.10	1.00	800	24.58	19.82	18.99	16.09
480	33.11	60.73	8.28	8.97	1.01	8.98	1.00	820	24.39	19.61	18.87	16.16
490	33.31	61.09	8.55	9.31	1.08	9.28	1.01	840	24.34	19.57	18.80	16.25
500	33.49	62.56	8.90	9.68	1.01	11.15	1.01	860	24.35	19.67	18.81	16.32
510	33.66	64.13	9.19	10.08	1.02	13.33	1.01	880	24.46	19.82	18.84	16.04
520	33.82	62.74	9.51	10.48	1.00	11.31	1.02	900	24.48	19.89	18.92	16.08
530	33.92	66.29	9.87	10.91	1.01	17.21	1.02	920	24.44	19.87	18.98	16.18
540	34.09	71.17	10.20	11.31	0.99	32.98	1.01					
550	34.19	64.55	10.53	11.73	0.99	15.27	1.01					
560	34.33	64.13	10.85	12.18	0.96	13.50	1.02					
570	34.43	62.50	11.31	12.60	0.96	11.28	1.01					
580	34.52	64.96	11.67	13.11	1.00	14.95	1.02					
590	34.60	70.77	12.05	13.63	0.93	29.00	1.02					
600	34.68	77.46	12.47	14.19	0.97	89.84	1.02					
610	34.76	74.59	12.89	14.68	0.98	49.17	1.02					
620	34.80	68.11	13.36	15.27	0.94	21.75	1.02					
630	34.87	67.98	13.86	15.87	0.99	21.27	1.01					
640	34.91	70.82	14.38	16.51	0.93	29.71	1.01					
650	34.97	83.75	14.83	17.21	0.98	150.87	1.01					
660	35.00	71.52	15.42	17.95	1.00	38.40	1.01					
670	35.03	70.93	16.04	18.72	0.95	38.73	1.01					
680	35.06	71.00	16.59	19.41	0.94	46.46	1.01					
690	35.10	72.18	17.15	20.37	0.92	41.78	1.01					
700	35.12	66.36	17.73	21.27	0.98	18.53	1.01					
710	35.13	69.50	18.39	22.31	0.85	28.75	1.01					
720	35.14	68.21	19.01	23.67	0.90	22.33	1.01					
730	35.13	66.82	19.87	25.06	0.98	21.43	1.01					
740	35.14	64.69	20.59	26.27	0.93	15.73	1.00					
750	35.15	62.53	21.42	27.94	0.98	11.81	1.00					
760	35.15	61.19	22.28	29.52	0.99	10.05	1.00					
770	35.14	63.88	23.31	30.83	0.96	13.77	1.00					
780	35.13	60.76	24.07	30.60	0.97	9.62	1.00					
790	35.11	61.10	25.20	29.22	0.94	10.13	1.00					
800	35.09	60.14	26.50	27.71	0.96	9.15	1.00					
810	35.08	62.63	27.50	26.42	0.97	11.99	1.00					
820	35.07	58.40	28.47	25.20	0.91	7.46	0.99					
830	35.04	59.56	29.86	23.82	0.93	8.47	0.99					
840	35.01	57.77	30.94	22.56	0.95	6.94	0.99					
850	34.99	58.55	31.50	21.48	0.96	7.57	0.99					
860	34.97	56.73	31.14	20.55	0.96	6.16	0.99					
870	34.94	58.33	30.38	19.75	0.99	7.43	0.99					
880	34.91	57.76	29.36	18.91	0.98	6.94	0.98					
890	34.87	56.57	28.86	18.16	1.13	6.17	0.98					
900	34.86	54.39	28.08	17.45	1.12	4.75	0.97					
910	34.81	55.28	26.50	16.87	1.08	5.24	0.97					
920	34.77	55.83	25.38	16.25	1.00	5.60	0.97					
930	34.73	56.27	24.69	15.63	1.22	5.88	0.97					
940	34.68	54.76	24.10	15.14	1.47	4.96	0.96					
950	34.65	53.24	23.11	14.51	1.36	4.18	0.96					
960	34.59	52.93	22.64	14.13	1.08	4.06	0.95					
970	34.55	54.37	21.81	13.59	0.99	4.78	0.95					
980	34.49	54.40	21.33	13.24	1.01	4.81	0.95					
990	34.45	52.93	20.66	12.89	1.00	4.04	0.94					
1000	34.39	52.20	20.04	12.36	0.99	3.72	0.94					

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: V_{DD} = +3.3 V, I_{DD} = 61 mA, V_{CTRL} = +0 V @ Temperature = +105°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Noise Figure	Stability		FREQ	IP-3 Output			1dB Comp. Output
						K	Measure		P _{OUT} = 0 dBm/Tone	P _{OUT} = +3 dBm/Tone	P _{OUT} = +6 dBm/Tone	
(MHz)	(dB)	(dB)	(dB)	(dB)	(dB)			(MHz)	(dBm)	(dBm)	(dBm)	(dBm)
400	29.28	64.13	6.44	7.07	1.56	20.98	0.99	660	23.15	19.22	20.52	15.09
410	29.59	64.84	6.67	7.38	1.39	19.54	1.00	680	22.68	18.92	20.12	15.09
420	29.88	60.32	6.87	7.68	1.41	10.90	1.01	700	22.63	18.78	19.88	15.27
430	30.15	60.70	7.08	8.09	1.49	11.43	1.02	720	22.66	18.78	19.70	15.33
440	30.40	62.49	7.34	8.49	1.44	14.21	1.02	740	22.72	18.79	19.56	15.33
450	30.66	63.26	7.56	8.84	1.38	18.58	1.02	760	22.78	18.73	19.38	15.39
460	30.90	60.69	7.81	9.15	1.42	11.31	1.03	780	22.70	18.65	19.41	15.53
470	31.10	60.45	8.13	9.56	1.37	11.09	1.03	800	22.58	18.72	19.26	15.33
480	31.31	62.69	8.36	9.97	1.40	14.53	1.03	820	22.57	18.54	19.07	15.38
490	31.51	62.30	8.62	10.40	1.48	13.95	1.04	840	22.74	18.67	19.02	15.46
500	31.69	62.49	8.91	10.74	1.35	13.97	1.04	860	23.28	18.96	19.00	15.52
510	31.88	60.15	9.21	11.26	1.34	10.62	1.04	880	23.37	19.01	18.97	15.30
520	32.04	62.34	9.48	11.59	1.45	13.70	1.04	900	23.33	19.05	19.16	15.32
530	32.17	65.91	9.89	12.04	1.37	21.34	1.03	920	23.07	18.83	19.23	15.40
540	32.32	64.34	10.15	12.56	1.34	17.25	1.04					
550	32.45	66.62	10.47	12.94	1.38	22.18	1.04					
560	32.58	69.57	10.77	13.46	1.30	36.29	1.04					
570	32.70	72.90	11.15	14.04	1.34	51.49	1.03					
580	32.80	67.20	11.49	14.48	1.35	23.74	1.03					
590	32.89	67.27	11.90	15.05	1.27	23.86	1.03					
600	32.99	71.35	12.26	15.70	1.32	50.07	1.03					
610	33.06	73.04	12.62	16.21	1.34	46.32	1.03					
620	33.14	74.57	13.03	16.93	1.26	57.25	1.03					
630	33.21	66.44	13.48	17.64	1.31	21.68	1.03					
640	33.28	74.21	13.91	18.39	1.32	58.17	1.03					
650	33.34	72.25	14.34	19.02	1.29	43.20	1.02					
660	33.39	85.40	14.80	19.82	1.34	214.26	1.02					
670	33.43	67.73	15.25	20.62	1.34	27.59	1.02					
680	33.47	71.63	15.65	21.80	1.26	40.81	1.02					
690	33.51	69.20	16.17	22.88	1.32	29.93	1.02					
700	33.54	72.94	16.67	23.95	1.29	51.33	1.02					
710	33.56	71.68	17.30	25.40	1.27	44.10	1.02					
720	33.59	66.12	17.89	27.00	1.51	21.01	1.01					
730	33.61	62.15	18.44	28.53	1.31	13.28	1.01					
740	33.62	69.98	19.14	31.29	1.29	32.72	1.01					
750	33.64	62.92	19.84	34.13	1.31	15.39	1.01					
760	33.65	61.91	20.48	39.07	1.38	13.00	1.01					
770	33.65	66.05	21.10	43.50	1.45	21.84	1.01					
780	33.65	61.44	22.00	38.43	1.36	12.32	1.00					
790	33.66	61.43	22.78	33.37	1.28	12.67	1.00					
800	33.65	57.84	23.87	30.53	1.30	8.20	1.00					
810	33.65	60.91	24.72	28.74	1.30	11.59	1.00					
820	33.64	59.53	25.69	26.59	1.25	10.17	1.00					
830	33.64	59.20	27.17	25.25	1.40	9.85	1.00					
840	33.63	59.32	28.09	23.84	1.28	9.69	0.99					
850	33.61	59.52	30.00	22.64	1.27	10.50	0.99					
860	33.59	57.09	31.47	21.41	1.30	7.63	0.99					
870	33.57	57.23	34.16	20.79	1.55	7.67	0.99					
880	33.55	57.14	35.21	19.91	1.41	7.64	0.99					
890	33.52	56.84	37.43	19.25	1.33	7.33	0.98					
900	33.50	56.00	35.52	18.58	1.44	6.72	0.98					
910	33.47	56.47	34.14	17.76	1.28	7.05	0.98					
920	33.43	54.90	31.86	17.14	1.36	5.90	0.97					
930	33.40	54.43	30.15	16.58	1.49	5.61	0.97					
940	33.37	54.78	28.50	16.04	1.64	5.83	0.97					
950	33.32	56.16	27.56	15.57	1.55	6.81	0.97					
960	33.30	53.73	25.96	15.05	1.43	5.18	0.96					
970	33.26	52.98	25.05	14.55	1.32	4.76	0.96					
980	33.21	52.82	24.38	14.09	1.34	4.68	0.95					
990	33.17	53.50	23.51	13.64	1.34	5.08	0.95					
1000	33.13	52.30	22.98	13.32	1.34	4.41	0.95					

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: V_{DD} = +3.3 V, I_{DD} = 50 mA, V_{CTRL} = +0 V @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Noise Figure	Stability		FREQ	IP-3 Output			1dB Comp. Output
									P _{OUT} = 0 dBm/Tone	P _{OUT} = +3 dBm/Tone	P _{OUT} = +6 dBm/Tone	
(MHz)	(dB)	(dB)	(dB)	(dB)	(dB)	K	Measure	(MHz)	(dBm)	(dBm)	(dBm)	(dBm)
400	30.46	61.67	5.88	6.40	1.01	10.96	0.98	660	24.96	19.58	20.33	15.36
410	30.78	59.21	6.08	6.68	1.19	8.27	0.99	680	24.73	19.38	19.93	15.24
420	31.05	60.06	6.33	7.00	1.10	8.66	0.99	700	24.72	19.30	19.60	15.44
430	31.36	60.13	6.55	7.34	1.10	8.77	1.00	720	24.63	19.26	19.43	15.47
440	31.63	61.24	6.74	7.70	1.05	10.76	1.01	740	24.44	19.08	19.22	15.51
450	31.87	59.13	7.00	8.02	1.03	7.83	1.02	760	24.34	18.97	19.10	15.32
460	32.10	61.79	7.23	8.39	1.14	10.66	1.02	780	24.42	19.08	19.11	15.59
470	32.32	59.11	7.51	8.72	1.03	7.99	1.02	800	24.40	19.07	19.05	15.31
480	32.53	61.65	7.75	9.11	1.02	11.03	1.03	820	24.16	18.90	18.96	15.36
490	32.72	60.92	7.98	9.45	1.09	9.69	1.03	840	24.10	18.90	18.88	15.38
500	32.90	63.10	8.29	9.84	1.07	13.32	1.03	860	24.23	19.01	18.89	15.44
510	33.09	60.25	8.60	10.26	1.10	8.98	1.03	880	24.46	19.17	18.89	15.25
520	33.25	62.43	8.89	10.65	0.96	12.25	1.03	900	24.58	19.30	18.99	15.30
530	33.36	64.60	9.23	11.05	1.08	17.20	1.03	920	24.48	19.29	19.13	15.27
540	33.52	64.07	9.53	11.53	1.02	14.56	1.03					
550	33.63	63.38	9.84	11.91	1.01	13.16	1.03					
560	33.76	68.11	10.15	12.40	1.04	25.00	1.03					
570	33.87	68.04	10.56	12.85	0.98	27.18	1.03					
580	33.96	68.77	10.89	13.35	1.06	26.84	1.03					
590	34.05	66.45	11.27	13.91	0.98	19.53	1.03					
600	34.14	67.80	11.64	14.45	1.02	25.66	1.03					
610	34.21	69.52	11.96	14.99	1.05	31.57	1.03					
620	34.26	68.90	12.36	15.61	1.02	30.74	1.03					
630	34.32	69.91	12.84	16.22	1.07	30.19	1.03					
640	34.36	73.80	13.33	16.92	0.97	53.57	1.03					
650	34.43	70.07	13.70	17.57	1.06	30.74	1.02					
660	34.46	74.31	14.22	18.39	1.05	53.12	1.02					
670	34.50	77.23	14.77	19.17	0.99	102.51	1.02					
680	34.53	76.09	15.22	20.02	1.07	234.25	1.02					
690	34.56	69.32	15.67	21.02	1.00	32.11	1.02					
700	34.58	68.92	16.18	22.05	1.05	29.17	1.02					
710	34.60	68.10	16.73	23.33	1.01	25.44	1.02					
720	34.61	70.16	17.31	24.81	0.99	33.54	1.01					
730	34.61	65.00	17.95	26.63	1.05	16.69	1.01					
740	34.62	63.39	18.60	28.47	1.01	13.94	1.01					
750	34.62	63.36	19.23	31.68	1.06	13.67	1.01					
760	34.62	63.22	19.80	34.48	1.05	15.12	1.01					
770	34.62	61.26	20.71	39.10	1.04	11.05	1.01					
780	34.62	61.75	21.31	38.11	1.06	11.83	1.01					
790	34.60	61.15	22.10	33.70	1.02	10.90	1.00					
800	34.58	62.08	23.16	30.18	1.08	12.34	1.00					
810	34.56	60.11	23.95	28.23	1.05	9.56	1.00					
820	34.55	59.02	24.91	26.24	1.03	8.52	1.00					
830	34.53	58.42	25.84	24.68	1.04	8.04	1.00					
840	34.51	58.41	27.07	23.04	1.03	7.90	0.99					
850	34.48	58.68	28.13	21.99	1.06	8.31	0.99					
860	34.45	57.18	28.79	20.75	1.02	6.98	0.99					
870	34.43	57.02	29.20	19.92	1.05	7.00	0.99					
880	34.40	56.74	29.94	19.09	1.04	6.56	0.98					
890	34.36	56.61	29.72	18.25	1.04	6.46	0.98					
900	34.34	56.51	29.80	17.47	1.12	6.62	0.98					
910	34.30	56.13	28.66	16.94	1.09	6.14	0.98					
920	34.26	54.85	27.69	16.30	1.04	5.41	0.97					
930	34.22	55.36	26.82	15.64	1.09	5.68	0.97					
940	34.17	54.78	25.96	15.17	1.12	5.30	0.96					
950	34.13	54.79	24.85	14.55	1.16	5.35	0.96					
960	34.08	53.33	24.35	14.07	1.07	4.49	0.95					
970	34.04	52.66	23.28	13.62	1.08	4.17	0.95					
980	33.98	53.70	22.88	13.23	1.07	4.67	0.95					
990	33.93	53.62	22.13	12.84	1.07	4.67	0.94					
1000	33.87	52.61	21.47	12.37	1.07	4.16	0.94					

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: $V_{DD} = +3.3\text{ V}$, $I_{DD} = 65\text{ mA}$, $V_{CTRL} = +0\text{ V}$ @ Temperature = +25°C

FREQ (MHz)	Gain (dB)	Isolation (dB)	Input Return Loss (dB)	Output Return Loss (dB)	Noise Figure (dB)	Stability		FREQ (MHz)	IP-3 Output			1dB Comp. Output (dBm)
						K	Measure		$P_{OUT} = 0$ dBm/Tone	$P_{OUT} = +3$ dBm/Tone	$P_{OUT} = +6$ dBm/Tone	
400	31.32	61.16	6.33	6.36	0.98	9.86	0.96	660	26.57	21.22	20.08	16.55
410	31.64	61.52	6.54	6.65	1.16	10.23	0.97	680	26.43	21.05	19.82	16.42
420	31.91	59.68	6.81	6.96	1.07	7.93	0.98	700	26.36	20.92	19.66	16.63
430	32.20	60.65	7.02	7.27	1.07	8.78	0.98	720	26.28	20.86	19.57	16.64
440	32.46	63.28	7.24	7.63	1.02	11.95	0.99	740	26.09	20.70	19.38	16.69
450	32.68	62.48	7.51	7.94	1.00	11.04	0.99	760	25.86	20.58	19.23	16.52
460	32.91	61.25	7.79	8.31	1.13	9.53	1.00	780	25.90	20.66	19.26	16.78
470	33.12	61.65	8.05	8.62	1.03	10.16	1.00	800	25.84	20.64	19.16	16.56
480	33.32	63.13	8.33	9.01	1.01	12.24	1.01	820	25.63	20.44	19.00	16.59
490	33.51	62.22	8.60	9.34	1.08	10.61	1.01	840	25.56	20.43	18.99	16.61
500	33.67	62.16	8.93	9.74	1.04	11.03	1.01	860	25.63	20.53	19.02	16.65
510	33.85	61.47	9.23	10.11	1.09	9.99	1.01	880	25.74	20.72	19.09	16.50
520	34.00	62.88	9.53	10.51	0.95	11.52	1.02	900	25.79	20.89	19.20	16.54
530	34.11	66.52	9.92	10.92	1.06	18.31	1.01	920	25.69	20.82	19.21	16.51
540	34.27	65.75	10.24	11.36	1.01	16.52	1.02					
550	34.37	65.45	10.59	11.75	0.99	15.68	1.02					
560	34.51	63.52	10.92	12.20	1.01	12.43	1.02					
570	34.61	65.74	11.36	12.65	0.96	17.26	1.02					
580	34.69	66.10	11.76	13.13	1.02	18.06	1.02					
590	34.78	68.27	12.17	13.63	0.96	27.96	1.01					
600	34.86	69.86	12.58	14.20	1.00	29.11	1.02					
610	34.93	71.39	12.95	14.68	1.03	36.92	1.02					
620	34.98	70.30	13.42	15.26	0.99	28.97	1.02					
630	35.04	70.08	13.96	15.87	1.04	27.48	1.01					
640	35.08	72.35	14.49	16.51	0.96	45.19	1.01					
650	35.14	74.22	14.94	17.12	1.04	60.98	1.01					
660	35.17	71.24	15.51	17.90	1.03	33.70	1.01					
670	35.20	67.34	16.13	18.55	0.97	21.00	1.01					
680	35.23	73.43	16.68	19.34	1.04	42.55	1.01					
690	35.26	70.45	17.20	20.32	0.96	38.50	1.01					
700	35.27	71.94	17.79	21.23	1.03	46.36	1.01					
710	35.28	72.16	18.44	22.23	1.01	57.58	1.01					
720	35.29	69.70	19.08	23.65	0.98	36.40	1.01					
730	35.29	71.66	19.91	24.90	1.04	38.60	1.01					
740	35.30	65.26	20.66	26.38	1.00	16.91	1.01					
750	35.30	64.26	21.44	28.24	1.05	14.38	1.00					
760	35.30	62.94	22.17	30.28	1.04	12.26	1.00					
770	35.29	62.37	23.23	32.14	1.01	12.30	1.00					
780	35.28	62.80	23.94	32.09	1.03	12.47	1.00					
790	35.27	61.21	24.96	30.35	1.01	10.03	1.00					
800	35.25	61.13	25.95	28.48	1.05	10.53	1.00					
810	35.23	60.09	26.81	27.22	1.02	8.86	1.00					
820	35.22	59.33	27.37	25.73	1.02	8.12	1.00					
830	35.19	58.53	27.94	24.21	1.03	7.49	0.99					
840	35.16	59.52	28.26	22.82	1.01	8.42	0.99					
850	35.14	59.42	28.34	21.83	1.05	8.62	0.99					
860	35.10	57.64	28.11	20.73	1.00	6.79	0.99					
870	35.08	56.50	27.22	19.98	1.04	5.93	0.99					
880	35.05	56.86	26.58	19.04	1.03	6.27	0.98					
890	35.01	56.54	25.86	18.23	1.01	5.98	0.98					
900	34.98	56.64	25.37	17.53	1.07	6.02	0.98					
910	34.94	56.40	24.29	16.93	1.06	5.94	0.98					
920	34.90	54.56	23.54	16.30	1.04	4.80	0.97					
930	34.86	54.76	22.98	15.67	1.07	4.89	0.97					
940	34.80	55.25	22.42	15.13	1.11	5.22	0.97					
950	34.76	55.26	21.59	14.55	1.13	5.30	0.96					
960	34.72	54.51	21.11	14.08	1.05	4.76	0.96					
970	34.67	55.17	20.42	13.58	1.06	5.12	0.96					
980	34.61	53.20	20.06	13.27	1.05	4.11	0.95					
990	34.56	52.93	19.51	12.85	1.05	3.98	0.95					
1000	34.51	52.58	19.00	12.34	1.05	3.83	0.94					