

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, Id1 (A1) = 146.17 mA and Id2 (A2) =138.65 mA @ Temperature = +25degC

FREQ	A1	A2	A1 & A2		A1							
	Gain		Amp Unbal	Phase Unbal	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(Deg)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
50.0	17.70	17.61	0.09	0.36	21.61	11.56	13.97	0.98	0.67	43.22	22.44	1.75
100.0	16.79	16.74	0.05	0.39	20.85	15.97	18.28	1.06	0.64	43.05	22.49	1.72
200.0	16.46	16.43	0.03	0.42	20.62	19.40	21.29	1.09	0.63	43.33	22.72	1.63
300.0	16.36	16.34	0.02	0.52	20.56	20.05	21.83	1.10	0.63	43.94	22.79	1.75
400.0	16.30	16.29	0.01	0.60	20.51	19.98	21.53	1.10	0.63	42.76	22.56	1.71
500.0	16.24	16.25	0.01	0.69	20.45	19.46	20.96	1.10	0.63	43.09	22.82	1.77
600.0	16.18	16.20	0.02	0.79	20.37	18.75	20.24	1.09	0.63	43.81	22.76	1.78
700.0	16.12	16.15	0.03	0.90	20.27	17.90	19.52	1.09	0.63	43.18	22.77	1.79
800.0	16.04	16.08	0.04	0.98	20.21	16.97	18.57	1.08	0.63	43.46	22.72	1.80
900.0	15.96	16.02	0.06	1.05	20.12	16.10	17.61	1.08	0.63	44.68	22.92	1.82
1000.0	15.87	15.94	0.07	1.09	20.01	15.22	16.74	1.07	0.63	42.01	22.49	1.88
1100.0	15.77	15.86	0.09	1.15	19.92	14.38	15.96	1.06	0.63	42.90	22.71	1.93
1200.0	15.66	15.77	0.11	1.18	19.81	13.58	15.18	1.06	0.63	44.60	22.83	1.97
1300.0	15.53	15.67	0.14	1.16	19.72	12.84	14.44	1.05	0.63	44.00	22.69	2.01
1400.0	15.41	15.55	0.14	1.17	19.61	12.10	13.75	1.04	0.63	43.41	22.72	2.04
1500.0	15.26	15.43	0.17	1.14	19.53	11.40	13.13	1.04	0.64	44.57	22.81	2.09

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 4.75V, Id1 (A1) = 132.48 mA and Id2 (A2) = 125.02 mA @ Temperature = +25degC

FREQ	A1		A2		A1 & A2		A1					
	Gain		Amp Unbal	Phase Unbal	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(Deg)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
50.0	17.62	17.56	0.06	0.50	21.48	11.51	14.07	0.98	0.67	43.79	21.92	1.76
100.0	16.71	16.70	0.01	0.59	20.75	15.92	18.30	1.06	0.64	43.22	21.97	1.75
200.0	16.37	16.39	0.02	0.61	20.58	19.38	21.35	1.10	0.64	43.94	22.16	1.70
300.0	16.27	16.30	0.03	0.69	20.47	20.01	21.92	1.10	0.63	45.75	22.24	1.76
400.0	16.21	16.25	0.04	0.81	20.46	19.96	21.61	1.10	0.64	43.56	22.03	1.82
500.0	16.16	16.20	0.04	0.93	20.39	19.50	21.08	1.10	0.63	44.44	22.28	1.81
600.0	16.10	16.15	0.05	1.05	20.30	18.83	20.29	1.09	0.63	44.12	22.21	1.85
700.0	16.03	16.10	0.07	1.18	20.25	17.95	19.51	1.09	0.63	43.72	22.24	1.82
800.0	15.95	16.04	0.09	1.29	20.15	17.07	18.60	1.09	0.63	43.90	22.23	1.87
900.0	15.87	15.97	0.10	1.37	20.07	16.20	17.69	1.08	0.63	46.32	22.39	1.84
1000.0	15.79	15.90	0.11	1.46	19.97	15.30	16.84	1.07	0.63	42.59	21.98	1.92
1100.0	15.68	15.81	0.13	1.54	19.88	14.43	16.01	1.07	0.63	43.09	22.18	2.01
1200.0	15.58	15.73	0.15	1.59	19.77	13.64	15.25	1.06	0.63	45.50	22.29	2.02
1300.0	15.46	15.62	0.16	1.61	19.66	12.91	14.53	1.05	0.63	44.05	22.15	2.07
1400.0	15.33	15.50	0.17	1.65	19.56	12.16	13.83	1.04	0.63	43.27	22.20	2.06
1500.0	15.18	15.38	0.20	1.64	19.49	11.45	13.20	1.04	0.64	43.64	22.26	2.11

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, Id1 (A1) = 159.58mA and Id2 (A2) = 151.78 mA @ Temperature = +25degC

FREQ	A1	A2	A1 & A2		A1							
	Gain		Amp Unbal	Phase Unbal	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(Deg)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
50.0	17.73	17.69	0.04	0.54	21.33	11.48	13.99	0.97	0.64	42.95	22.97	1.87
100.0	16.83	16.83	0.00	0.61	20.84	16.06	18.35	1.06	0.64	42.47	22.98	1.79
200.0	16.50	16.53	0.03	0.61	20.69	19.53	21.37	1.09	0.63	42.42	23.21	1.73
300.0	16.40	16.44	0.04	0.68	20.56	20.17	21.90	1.10	0.63	43.83	23.31	1.79
400.0	16.34	16.39	0.05	0.81	20.54	20.09	21.66	1.10	0.63	41.70	23.04	1.83
500.0	16.29	16.35	0.06	0.92	20.49	19.62	21.11	1.10	0.63	42.34	23.31	1.85
600.0	16.23	16.30	0.07	1.04	20.43	18.90	20.38	1.10	0.63	42.84	23.25	1.85
700.0	16.16	16.25	0.09	1.15	20.37	18.05	19.61	1.09	0.63	42.32	23.25	1.87
800.0	16.08	16.18	0.10	1.25	20.28	17.15	18.69	1.09	0.63	42.20	23.19	1.88
900.0	16.01	16.12	0.11	1.35	20.17	16.27	17.82	1.08	0.63	43.17	23.42	1.90
1000.0	15.92	16.05	0.13	1.42	20.09	15.37	16.97	1.07	0.63	41.14	22.93	1.97
1100.0	15.81	15.96	0.15	1.50	19.99	14.49	16.14	1.07	0.63	42.11	23.16	2.04
1200.0	15.71	15.87	0.16	1.55	19.91	13.70	15.39	1.06	0.63	43.12	23.30	2.03
1300.0	15.59	15.77	0.18	1.58	19.81	12.97	14.68	1.05	0.63	42.38	23.11	2.08
1400.0	15.47	15.66	0.19	1.60	19.64	12.21	13.97	1.04	0.63	42.39	23.17	2.12
1500.0	15.32	15.53	0.21	1.58	19.63	11.50	13.34	1.04	0.64	43.28	23.26	2.16

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, Id1 (A1) = 140.16 mA and Id2 (A2) = 133.54 mA @ Temperature = -45degC

FREQ	A1	A2	A1 & A2		A1							
	Gain		Amp Unbal	Phase Unbal	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(Deg)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
50.0	17.43	17.36	0.07	0.55	21.02	11.79	13.32	0.95	0.65	42.66	22.52	1.63
100.0	16.31	16.30	0.01	0.71	20.30	16.45	16.48	1.05	0.63	40.64	22.67	1.56
200.0	15.88	15.90	0.02	0.70	20.08	20.38	18.43	1.09	0.62	40.34	22.81	1.49
300.0	15.76	15.80	0.04	0.76	19.98	21.10	18.49	1.10	0.62	40.43	22.87	1.53
400.0	15.70	15.75	0.05	0.89	19.96	20.82	18.25	1.10	0.62	39.22	22.73	1.51
500.0	15.66	15.71	0.05	1.02	19.91	20.27	18.08	1.10	0.62	40.08	22.96	1.52
600.0	15.61	15.67	0.06	1.14	19.86	19.37	17.54	1.10	0.61	39.69	22.90	1.51
700.0	15.55	15.63	0.08	1.25	19.80	18.25	16.84	1.10	0.61	39.38	22.95	1.51
800.0	15.49	15.57	0.08	1.37	19.76	17.25	16.30	1.10	0.61	39.46	22.93	1.54
900.0	15.42	15.53	0.11	1.49	19.66	16.35	15.79	1.09	0.61	40.47	23.08	1.54
1000.0	15.35	15.47	0.12	1.59	19.59	15.38	15.07	1.09	0.61	38.69	22.77	1.60
1100.0	15.26	15.39	0.13	1.68	19.55	14.48	14.41	1.08	0.61	39.27	22.96	1.64
1200.0	15.17	15.32	0.15	1.75	19.49	13.68	13.92	1.08	0.61	40.20	23.02	1.68
1300.0	15.07	15.24	0.17	1.79	19.38	12.89	13.32	1.07	0.60	39.63	22.93	1.69
1400.0	14.96	15.13	0.17	1.85	19.31	12.15	12.73	1.06	0.60	39.36	22.99	1.72
1500.0	14.84	15.03	0.19	1.87	19.26	11.49	12.24	1.06	0.61	40.13	23.06	1.78

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 = 4.75V, Id1 (A1) = 127.58 mA and Id2 (A2) = 118.02 mA @ Temperature = -45degC

FREQ	A1		A2		A1 & A2		A1					
	Gain		Amp Unbal	Phase Unbal	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(Deg)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
50.0	17.37	17.29	0.08	0.44	21.16	11.69	13.46	0.96	0.67	42.17	21.87	1.62
100.0	16.28	16.25	0.03	0.59	20.28	16.36	16.76	1.05	0.63	40.87	21.97	1.55
200.0	15.86	15.86	0.00	0.64	20.05	20.37	18.91	1.09	0.62	40.69	22.12	1.45
300.0	15.75	15.76	0.01	0.71	20.03	21.19	18.97	1.10	0.63	41.38	22.18	1.47
400.0	15.69	15.71	0.02	0.85	19.95	20.97	18.76	1.10	0.62	39.73	22.05	1.48
500.0	15.65	15.68	0.03	0.99	19.88	20.40	18.58	1.10	0.62	40.62	22.29	1.55
600.0	15.60	15.64	0.04	1.12	19.84	19.52	17.99	1.10	0.62	40.56	22.23	1.51
700.0	15.55	15.60	0.05	1.24	19.78	18.39	17.24	1.10	0.61	40.06	22.30	1.50
800.0	15.48	15.54	0.06	1.35	19.72	17.40	16.67	1.09	0.61	40.21	22.27	1.53
900.0	15.42	15.50	0.08	1.48	19.65	16.49	16.12	1.09	0.61	41.40	22.40	1.54
1000.0	15.34	15.44	0.10	1.57	19.57	15.49	15.36	1.08	0.61	39.39	22.13	1.57
1100.0	15.25	15.36	0.11	1.68	19.49	14.56	14.66	1.08	0.61	39.70	22.31	1.68
1200.0	15.17	15.29	0.12	1.73	19.43	13.77	14.13	1.07	0.61	40.70	22.36	1.63
1300.0	15.07	15.20	0.13	1.79	19.34	12.96	13.52	1.07	0.61	40.12	22.30	1.68
1400.0	14.96	15.10	0.14	1.85	19.29	12.22	12.91	1.06	0.61	39.84	22.35	1.70
1500.0	14.83	15.00	0.17	1.87	19.23	11.53	12.40	1.06	0.61	40.74	22.41	1.76

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 =5.25V, Id1 A1) = 156.08 mA and Id2 (A2) =146.41 mA @ Temperature = -45degC

FREQ	A1		A2		A1 & A2		A1					
	Gain		Amp Unbal	Phase Unbal	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(Deg)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
50.0	17.50	17.44	0.06	0.43	21.02	11.88	13.50	0.95	0.64	44.48	23.10	1.66
100.0	16.41	16.40	0.01	0.58	20.34	16.45	16.69	1.05	0.62	40.49	23.21	1.59
200.0	15.99	16.01	0.02	0.62	20.17	20.42	18.66	1.09	0.62	40.20	23.36	1.50
300.0	15.88	15.91	0.03	0.69	20.12	21.18	18.67	1.10	0.62	40.58	23.42	1.50
400.0	15.82	15.86	0.04	0.81	20.10	20.89	18.47	1.11	0.62	39.25	23.25	1.56
500.0	15.77	15.82	0.05	0.92	20.00	20.32	18.30	1.10	0.62	39.78	23.47	1.56
600.0	15.72	15.79	0.07	1.05	19.95	19.46	17.74	1.10	0.61	39.97	23.42	1.57
700.0	15.67	15.74	0.07	1.17	19.90	18.31	17.02	1.10	0.61	39.49	23.45	1.53
800.0	15.60	15.68	0.08	1.27	19.82	17.30	16.47	1.09	0.61	39.52	23.42	1.54
900.0	15.54	15.64	0.10	1.38	19.78	16.42	15.96	1.09	0.61	40.43	23.59	1.58
1000.0	15.46	15.58	0.12	1.47	19.69	15.41	15.20	1.08	0.61	38.81	23.24	1.63
1100.0	15.37	15.50	0.13	1.55	19.62	14.50	14.54	1.08	0.61	39.15	23.43	1.65
1200.0	15.29	15.43	0.14	1.62	19.57	13.72	14.02	1.08	0.61	40.36	23.52	1.69
1300.0	15.18	15.34	0.16	1.64	19.45	12.91	13.43	1.07	0.60	39.56	23.40	1.72
1400.0	15.07	15.23	0.16	1.71	19.41	12.17	12.82	1.06	0.60	39.49	23.46	1.75
1500.0	14.94	15.13	0.19	1.70	19.35	11.48	12.33	1.06	0.61	40.05	23.54	1.77

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, Id1(A1) = 144.79 mA and Id2 (A2) = 136.99 mA @ Temperature = +85degC

FREQ	A1	A2	A1 & A2		A1							
	Gain		Amp Unbal	Phase Unbal	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(Deg)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
50.0	17.81	17.77	0.04	0.59	21.73	11.26	14.12	0.99	0.66	43.39	22.40	2.10
100.0	17.04	17.06	0.02	0.64	21.19	15.23	19.18	1.07	0.65	44.53	22.42	1.99
200.0	16.76	16.80	0.04	0.61	20.98	17.86	23.13	1.10	0.64	44.27	22.62	1.92
300.0	16.66	16.71	0.05	0.67	20.89	17.87	24.16	1.10	0.64	45.90	22.73	2.05
400.0	16.60	16.66	0.06	0.77	20.82	17.85	24.39	1.10	0.64	43.41	22.43	2.09
500.0	16.54	16.61	0.07	0.89	20.78	17.74	23.32	1.10	0.65	44.93	22.70	2.10
600.0	16.48	16.56	0.08	1.00	20.69	17.30	22.29	1.09	0.65	44.35	22.63	2.11
700.0	16.41	16.50	0.09	1.08	20.57	16.64	21.54	1.08	0.65	44.94	22.63	2.11
800.0	16.32	16.43	0.11	1.20	20.47	16.02	20.49	1.08	0.65	44.28	22.57	2.13
900.0	16.23	16.36	0.13	1.28	20.35	15.41	19.18	1.07	0.65	46.02	22.80	2.19
1000.0	16.14	16.28	0.14	1.34	20.26	14.71	18.12	1.06	0.65	43.06	22.34	2.20
1100.0	16.03	16.18	0.15	1.42	20.13	13.96	17.28	1.05	0.65	44.54	22.60	2.29
1200.0	15.91	16.09	0.18	1.47	20.00	13.27	16.44	1.04	0.65	45.90	22.72	2.31
1300.0	15.78	15.98	0.20	1.46	19.91	12.62	15.55	1.04	0.66	44.96	22.51	2.35
1400.0	15.65	15.85	0.20	1.48	19.77	11.96	14.79	1.03	0.66	44.36	22.59	2.37
1500.0	15.50	15.72	0.22	1.49	19.66	11.30	14.11	1.02	0.66	45.18	22.66	2.46

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 4.75V, Id1(A1) = 131.62 mA and Id2 (A2) = 124.37 mA @ Temperature = +85degC

FREQ	A1		A2		A1 & A2		A1					
	Gain		Amp Unbal	Phase Unbal	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(Deg)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
50.0	17.77	17.71	0.06	0.53	21.46	11.09	14.24	0.98	0.64	42.68	21.88	2.08
100.0	17.01	17.01	0.00	0.53	21.08	15.01	19.16	1.06	0.64	43.83	21.89	2.00
200.0	16.73	16.75	0.02	0.52	20.93	17.50	23.22	1.09	0.64	45.51	22.09	1.87
300.0	16.63	16.67	0.04	0.60	20.90	17.55	24.22	1.10	0.65	46.21	22.17	1.98
400.0	16.58	16.62	0.04	0.72	20.85	17.55	24.44	1.10	0.65	45.09	21.91	2.04
500.0	16.52	16.57	0.05	0.83	20.76	17.43	23.52	1.09	0.65	46.12	22.16	2.07
600.0	16.45	16.51	0.06	0.92	20.67	17.04	22.42	1.09	0.65	46.95	22.10	2.06
700.0	16.38	16.45	0.07	1.02	20.55	16.43	21.66	1.08	0.65	46.24	22.11	2.09
800.0	16.29	16.38	0.09	1.13	20.42	15.83	20.64	1.07	0.65	46.08	22.05	2.11
900.0	16.21	16.31	0.10	1.19	20.33	15.25	19.26	1.07	0.65	48.55	22.25	2.16
1000.0	16.10	16.23	0.13	1.26	20.21	14.59	18.22	1.06	0.65	44.11	21.83	2.18
1100.0	16.00	16.13	0.13	1.36	20.10	13.89	17.37	1.05	0.65	46.64	22.05	2.24
1200.0	15.88	16.04	0.16	1.39	19.97	13.20	16.51	1.04	0.66	46.95	22.18	2.28
1300.0	15.75	15.93	0.18	1.37	19.85	12.57	15.61	1.03	0.66	47.18	22.00	2.34
1400.0	15.62	15.80	0.18	1.39	19.71	11.90	14.84	1.02	0.66	45.84	22.07	2.32
1500.0	15.46	15.67	0.21	1.37	19.62	11.28	14.18	1.02	0.66	49.07	22.15	2.44

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 = 5.25V, Id1(A1) = 157.33 mA and Id2 (A2) = 149.61 mA @ Temperature = +85degC

FREQ	A1		A2		A1 & A2		A1					
	Gain		Amp Unbal	Phase Unbal	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(Deg)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
50.0	17.87	17.83	0.04	0.53	21.97	11.24	14.31	1.00	0.68	43.71	22.88	2.20
100.0	17.13	17.13	0.00	0.51	21.24	15.11	19.26	1.07	0.65	43.46	22.86	2.07
200.0	16.85	16.88	0.03	0.52	21.07	17.59	23.41	1.10	0.64	44.49	23.05	2.07
300.0	16.76	16.80	0.04	0.58	20.96	17.61	24.47	1.10	0.64	45.65	23.16	2.07
400.0	16.70	16.75	0.05	0.68	20.94	17.59	24.68	1.10	0.65	43.51	22.84	2.09
500.0	16.64	16.70	0.06	0.80	20.85	17.47	23.82	1.09	0.64	43.83	23.10	2.16
600.0	16.57	16.64	0.07	0.91	20.77	17.07	22.70	1.09	0.65	44.39	23.03	2.15
700.0	16.50	16.58	0.08	1.01	20.68	16.45	21.91	1.08	0.65	44.35	23.03	2.12
800.0	16.42	16.52	0.10	1.11	20.56	15.86	20.90	1.08	0.65	43.80	22.97	2.19
900.0	16.33	16.44	0.11	1.18	20.47	15.28	19.50	1.07	0.65	44.41	23.20	2.23
1000.0	16.23	16.36	0.13	1.27	20.36	14.62	18.43	1.06	0.65	42.45	22.72	2.26
1100.0	16.12	16.27	0.15	1.34	20.21	13.90	17.62	1.05	0.65	43.28	22.95	2.32
1200.0	16.01	16.17	0.16	1.36	20.10	13.21	16.73	1.04	0.66	44.32	23.11	2.36
1300.0	15.87	16.06	0.19	1.37	19.99	12.56	15.83	1.04	0.66	43.19	22.91	2.41
1400.0	15.74	15.94	0.20	1.37	19.86	11.90	15.06	1.03	0.66	43.49	22.98	2.46
1500.0	15.59	15.81	0.22	1.38	19.74	11.29	14.36	1.02	0.66	44.19	23.07	2.51