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19 PROCESSING GAIN REPORT

Measurement of Processing Gain of a Direct Sequence Spread Spectrum System

Certification Report on Compliance with Respect to FCC
CFR 47, Paragraph 15.247(e)

Product: Plessey MDR5800 Digital Radio

March 7, 2001

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Scope

This report contains the results of the processing gain testing performed on the Plessey MDR5800 Digital Radio. The tests were carried out in accordance with FCC CFR 47, Paragraph 15.247(e). The jamming margin method specified in 15.247(e)(2) was used to perform the processing gain testing. FCC 97-114, Guidance on Measurements for Direct Sequence Spread Spectrum Systems, was also utilized as a guiding document for the performance of the processing gain testing.

FCC Requirements

The processing gain of a direct sequence system shall be at least 10dB. The processing gain shall be determined from the ratio in dB of the signal-to-noise ratio with the system spreading code turned off to the signal-to-noise ratio with the system spreading code turned on, as measured at the demodulated output of the receiver.

Test Equipment

- Hewlett Packard Spectrum Analyzer, Model 8564E, 30Hz-40GHz (RTL Asset # 901020)
- Hewlett Packard Synthesized Sweeper, Model 83752A, 0.01-20GHz (RTL Asset # 900928)
- Telecommunications Techniques Corp Fireberd 6000 Communications Analyzer
- Weinschel Broadband Resistive Power Divider, Model 1515, DC to 18.0GHz 1 Watt, Serial # LR228, RTL Asset # 900947
- Weinschel Broadband Resistive Power Divider, Model 1515, DC to 18.0GHz 1 Watt, Serial # MD240, RTL Asset # 901127
- Weinschel 10dB Attenuator, Model 47-10-43, DC – 18GHz, Serial # BH1487, RTL Asset #900948
- Weinschel 40dB Attenuator, Model 48-40-43, DC – 18GHz, Serial # BH3563, RTL Asset # 900949
- Weinschel 6dB Attenuator, Model 2, DC – 18GHz, Serial # AP5817
- Weinschel 3dB Attenuator, Model 1B, DC – 18GHz, Serial # AL9483
- Weinschel 3dB Attenuator, Model 2, DC – 18GHz, Serial # BG1219, RTL Asset #900817

Equipment Under Test

- Plessey MDR Digital Radio Indoor Unit, Serial Number MDRTE000035, RTL Barcode # 13038
- Plessey MDR Digital Radio Indoor Unit, Serial Number MDRTE000016, RTL Barcode # 13039
- Plessey MDR Digital Radio Outdoor Unit, Part # 651-03806, Serial Number MDR58000083, RTL Barcode # 13037
- Plessey MDR Digital Radio Outdoor Unit, Part # 651-03806, Serial Number MDR58000084, RTL Barcode # 13036

Method of Measurement

As mentioned in the scope section, the jamming margin method was used. The following drawing titled “Processing Gain – Jamming Test Setup” illustrates a block diagram of the test setup. In this method, a signal generator was stepped in 50kHz increments across the passband of the system. At each point, the level of the signal generator required to produce the recommended Bit Error Rate (BER) was recorded. This level is the jammer level. The output power of the transmitter was also recorded at these same points. This level is the signal level. The jammer to signal ratio (J/S) was then calculated. The worst 20% of the J/S data points were discarded. The lowest remaining J/S ratio was used to calculate the processing gain for each of the channels investigated. The processing gain, G_p , was calculated as follows: $G_p = (S/N)_o + M_j + L_{sys}$, where G_p = the processing gain of the system, $(S/N)_o$ = signal to noise ratio required for the chosen BER, M_j = J/S ratio, and L_{sys} = system losses. Note that total system losses in a system, including intentional radiator and receiver, are assumed to be no more than 2dB as specified by the FCC.

An ideal signal to noise ratio, also referred to as $(S/N)_o$ or (E_s/N_o) , of 16.4dB was used as specified by Intersil when calculating the processing gain when operating at 11Mbps with CCK modulation. The Plessey MDR5800 contains chip-sets from Intersil and operates at 11Mbps with CCK modulation. Please see reference 2 for more information.

A BER (bit error rate) of 1×10^{-5} was used to calculate the processing gain. A Fireberd 6000 was used to generate T1 payload data to the near side indoor unit. A hardwired loopback connector was installed on the far side indoor unit. The Fireberd 6000 monitored the BER of the T1 payload data that returned to the near side indoor unit. Automated software was used to run the test. The software stepped the synthesized sweeper (which generated the jammer signal) and the spectrum analyzer through the 17MHz band of each channel in 50kHz steps. The software also monitored the BER on the Fireberd 6000 and controlled the synthesized sweeper power level to obtain the required BER. A BER measurement window of 0.6×10^{-5} to 1.4×10^{-5} was used to indicate an acceptable measurement point. This window provides a good balance between measurement accuracy and convergence on a measurement point (see reference 1 for more information).

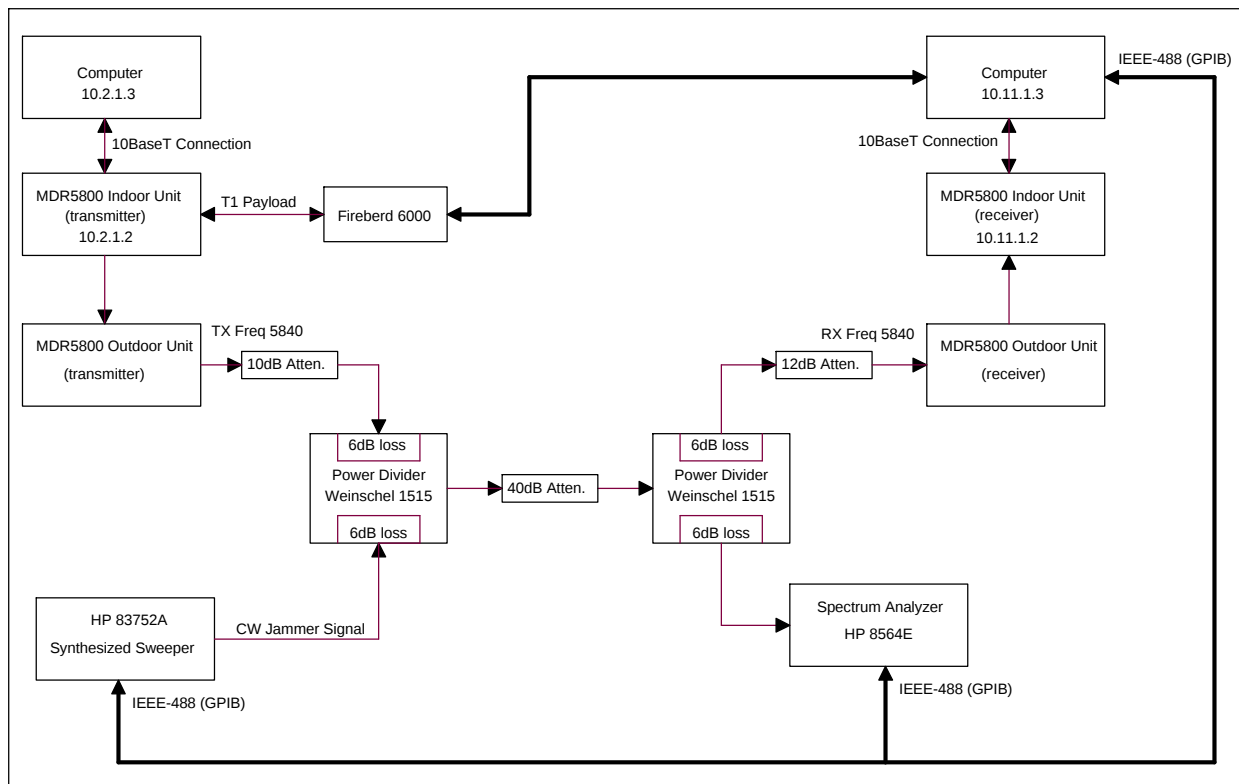
References

- 1) Abrahams, Richard L. “Measurement of Processing Gain in a Direct Sequence WLAN using the CW Jammer Method.” Harris Semiconductor, Palm Bay, FL.
- 2) Andren, Carl. “Testing for Compliance with FCC Rules 15-247e.” Intersil Corporation, January 11, 2000.
- 3) “Guidance on Measurements for Direct Sequence Spread Spectrum Systems.” FCC 97-114 Appendix C, Federal Communications Commission, Columbia MD.

Engineering Summary

Processing Gain Results Summary:

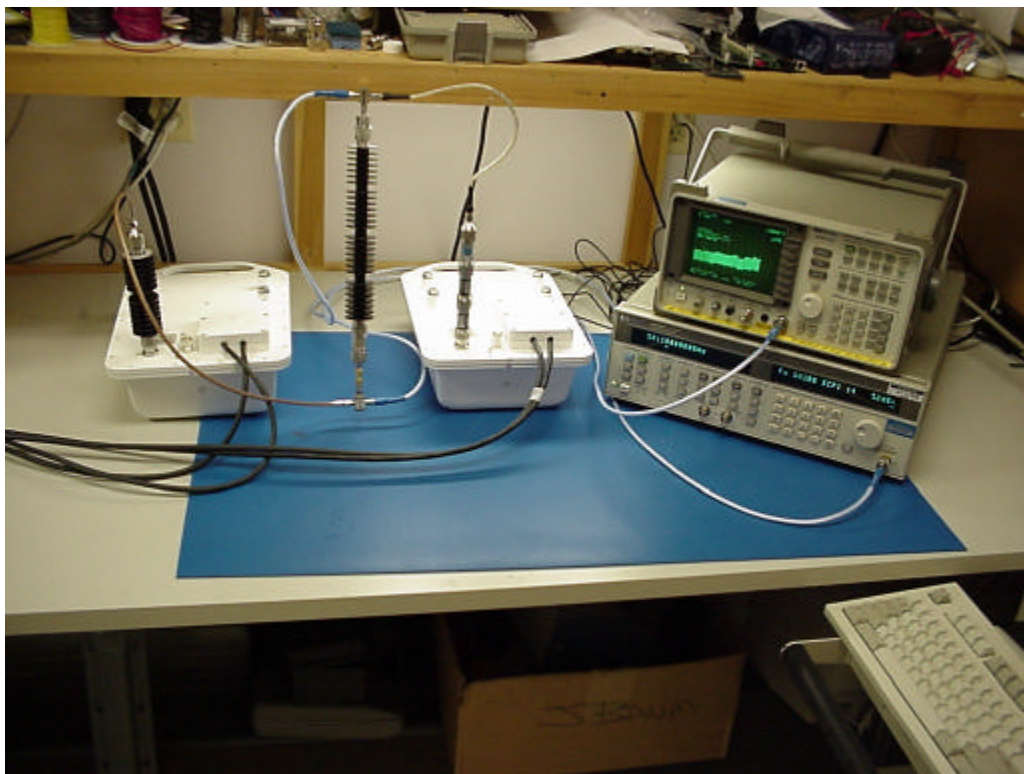
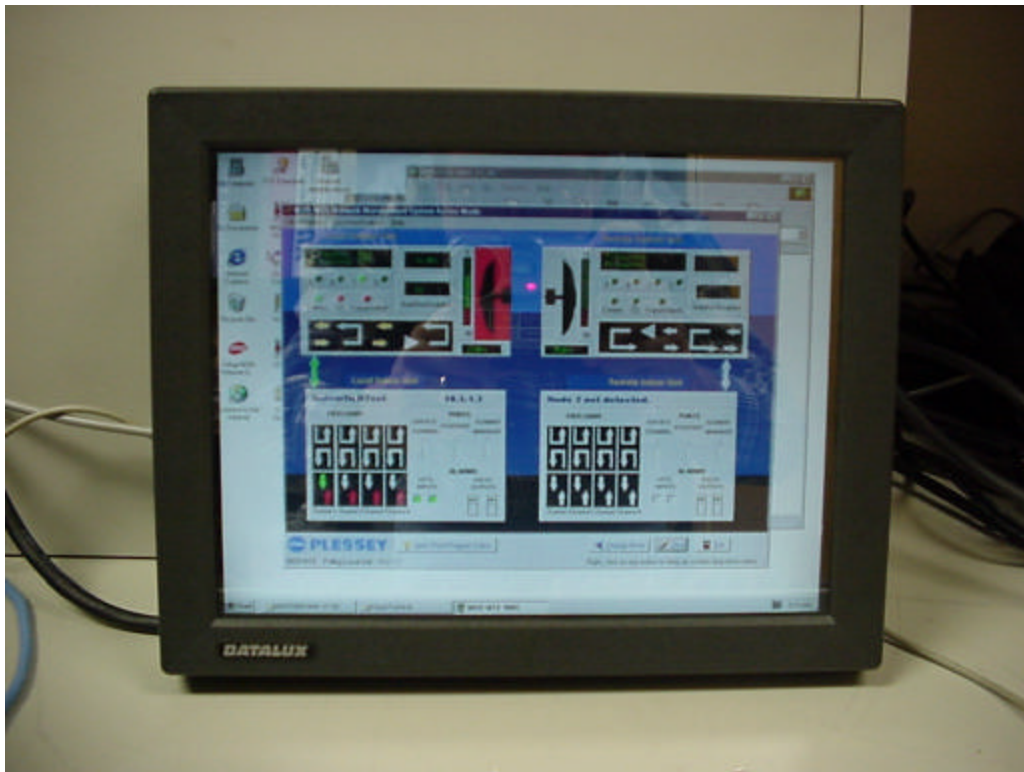
Channel (MHz)	Rate (Mbps)	Gp(dB)
5735	11	11.37
5804	11	11.17
5840	11	10.63

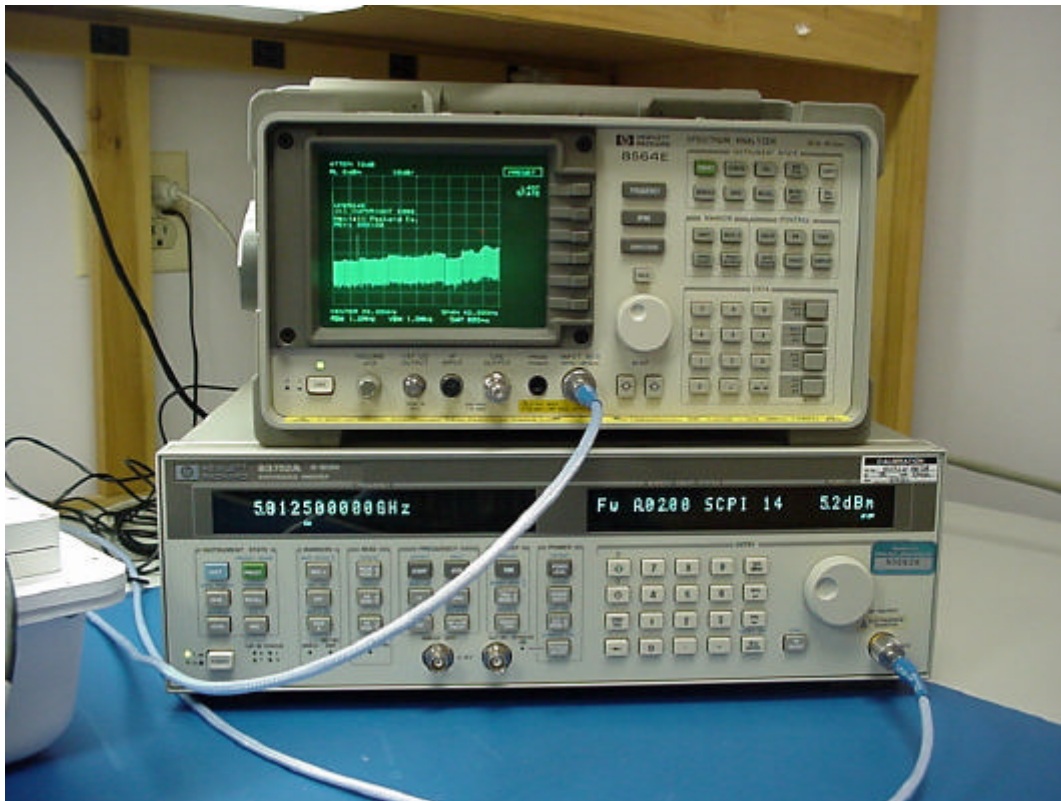
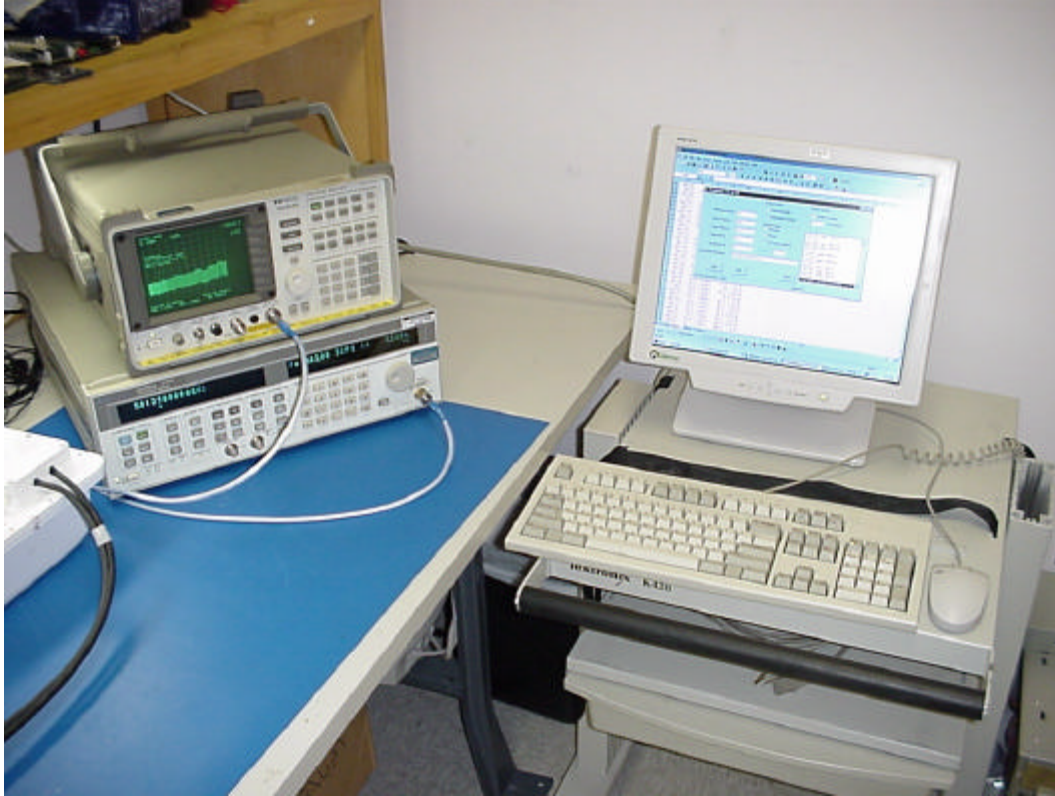


Processing Gain – Jamming Test Setup

Pictures of Test Setup







Processing Gain Data and Calculations

See following pages for the processing gain data and calculations for the three channels that were investigated.

11Mbps CCK Processing Gain - 5735MHz Channel						
Gp = (S/N)o + Mj + Lsys						
Frequency	Gp	(S/N)o	Mj = J/S	Lsys	S (Tx Power)	J (Jammer Power)
(MHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(dBm)
5726.50	22.67	16.40	4.27	2.00	-56.50	-52.23
5726.55	22.57	16.40	4.17	2.00	-56.50	-52.33
5726.60	21.90	16.40	3.50	2.00	-56.33	-52.83
5726.65	22.07	16.40	3.67	2.00	-56.50	-52.83
5726.70	21.74	16.40	3.34	2.00	-56.17	-52.83
5726.75	21.27	16.40	2.87	2.00	-56.00	-53.13
5726.80	21.37	16.40	2.97	2.00	-56.00	-53.03
5726.85	21.50	16.40	3.10	2.00	-55.83	-52.73
5726.90	21.17	16.40	2.77	2.00	-55.50	-52.73
5726.95	21.24	16.40	2.84	2.00	-55.17	-52.33
5727.00	21.17	16.40	2.77	2.00	-55.00	-52.23
5727.05	21.00	16.40	2.60	2.00	-54.83	-52.23
5727.10	20.77	16.40	2.37	2.00	-54.50	-52.13
5727.15	20.94	16.40	2.54	2.00	-54.67	-52.13
5727.20	20.60	16.40	2.20	2.00	-54.33	-52.13
5727.25	20.34	16.40	1.94	2.00	-54.17	-52.23
5727.30	19.87	16.40	1.47	2.00	-54.00	-52.53
5727.35	19.17	16.40	0.77	2.00	-53.50	-52.73
5727.40	19.17	16.40	0.77	2.00	-53.50	-52.73
5727.45	18.90	16.40	0.50	2.00	-53.33	-52.83
5727.50	18.80	16.40	0.40	2.00	-53.33	-52.93
5727.55	18.97	16.40	0.57	2.00	-53.50	-52.93
5727.60	18.64	16.40	0.24	2.00	-53.17	-52.93
5727.65	19.10	16.40	0.70	2.00	-53.33	-52.63
5727.70	18.77	16.40	0.37	2.00	-53.00	-52.63
5727.75	18.74	16.40	0.34	2.00	-52.67	-52.33
5727.80	18.57	16.40	0.17	2.00	-52.50	-52.33
5727.85	18.40	16.40	0.00	2.00	-52.33	-52.33
5727.90	18.07	16.40	-0.33	2.00	-52.00	-52.33
5727.95	18.24	16.40	-0.16	2.00	-52.17	-52.33
5728.00	17.97	16.40	-0.43	2.00	-52.00	-52.43
5728.05	17.70	16.40	-0.70	2.00	-51.83	-52.53
5728.10	17.27	16.40	-1.13	2.00	-51.50	-52.63
5728.15	17.50	16.40	-0.90	2.00	-51.83	-52.73
5728.20	16.97	16.40	-1.43	2.00	-51.50	-52.93
5728.25	17.14	16.40	-1.26	2.00	-51.67	-52.93
5728.30	17.14	16.40	-1.26	2.00	-51.67	-52.93
5728.35	17.24	16.40	-1.16	2.00	-51.67	-52.83

5728.40	17.34	16.40	-1.06	2.00	-51.67	-52.73
5728.45	17.34	16.40	-1.06	2.00	-51.67	-52.73
5728.50	17.57	16.40	-0.83	2.00	-51.50	-52.33
5728.55	17.40	16.40	-1.00	2.00	-51.33	-52.33
5728.60	17.14	16.40	-1.26	2.00	-51.17	-52.43
5728.65	17.17	16.40	-1.23	2.00	-51.00	-52.23
5728.70	17.07	16.40	-1.33	2.00	-51.00	-52.33
5728.75	16.74	16.40	-1.66	2.00	-50.67	-52.33
5728.80	16.80	16.40	-1.60	2.00	-50.83	-52.43
5728.85	16.44	16.40	-1.96	2.00	-50.67	-52.63
5728.90	16.34	16.40	-2.06	2.00	-50.67	-52.73
5728.95	15.90	16.40	-2.50	2.00	-50.33	-52.83
5729.00	15.97	16.40	-2.43	2.00	-50.50	-52.93
5729.05	15.80	16.40	-2.60	2.00	-50.33	-52.93
5729.10	15.64	16.40	-2.76	2.00	-50.17	-52.93
5729.15	15.74	16.40	-2.66	2.00	-50.17	-52.83
5729.20	15.57	16.40	-2.83	2.00	-50.00	-52.83
5729.25	15.94	16.40	-2.46	2.00	-50.17	-52.63
5729.30	16.07	16.40	-2.33	2.00	-50.00	-52.33
5729.35	15.90	16.40	-2.50	2.00	-49.83	-52.33
5729.40	16.24	16.40	-2.16	2.00	-50.17	-52.33
5729.45	15.80	16.40	-2.60	2.00	-49.83	-52.43
5729.50	15.80	16.40	-2.60	2.00	-49.83	-52.43
5729.55	15.37	16.40	-3.03	2.00	-49.50	-52.53
5729.60	15.27	16.40	-3.13	2.00	-49.50	-52.63
5729.65	14.84	16.40	-3.56	2.00	-49.17	-52.73
5729.70	14.64	16.40	-3.76	2.00	-49.17	-52.93
5729.75	14.64	16.40	-3.76	2.00	-49.17	-52.93
5729.80	14.54	16.40	-3.86	2.00	-49.17	-53.03
5729.85	14.64	16.40	-3.76	2.00	-49.17	-52.93
5729.90	14.57	16.40	-3.83	2.00	-49.00	-52.83
5729.95	14.50	16.40	-3.90	2.00	-48.83	-52.73
5730.00	14.60	16.40	-3.80	2.00	-48.83	-52.63
5730.05	14.87	16.40	-3.53	2.00	-49.00	-52.53
5730.10	14.97	16.40	-3.43	2.00	-49.00	-52.43
5730.15	14.80	16.40	-3.60	2.00	-48.83	-52.43
5730.20	14.30	16.40	-4.10	2.00	-48.33	-52.43
5730.25	14.20	16.40	-4.20	2.00	-48.33	-52.53
5730.30	14.04	16.40	-4.36	2.00	-48.17	-52.53
5730.35	14.04	16.40	-4.36	2.00	-48.17	-52.53
5730.40	13.50	16.40	-4.90	2.00	-47.83	-52.73
5730.45	13.67	16.40	-4.73	2.00	-48.00	-52.73
5730.50	13.57	16.40	-4.83	2.00	-48.00	-52.83
5730.55	13.47	16.40	-4.93	2.00	-48.00	-52.93
5730.60	13.47	16.40	-4.93	2.00	-48.00	-52.93
5730.65	13.07	16.40	-5.33	2.00	-47.50	-52.83
5730.70	13.84	16.40	-4.56	2.00	-48.17	-52.73

5730.75	13.84	16.40	-4.56	2.00	-48.17	-52.73
5730.80	13.60	16.40	-4.80	2.00	-47.83	-52.63
5730.85	13.60	16.40	-4.80	2.00	-47.83	-52.63
5730.90	13.47	16.40	-4.93	2.00	-47.50	-52.43
5730.95	13.74	16.40	-4.66	2.00	-47.67	-52.33
5731.00	13.64	16.40	-4.76	2.00	-47.67	-52.43
5731.05	13.44	16.40	-4.96	2.00	-47.67	-52.63
5731.10	13.27	16.40	-5.13	2.00	-47.50	-52.63
5731.15	13.00	16.40	-5.40	2.00	-47.33	-52.73
5731.20	13.07	16.40	-5.33	2.00	-47.50	-52.83
5731.25	13.07	16.40	-5.33	2.00	-47.50	-52.83
5731.30	12.70	16.40	-5.70	2.00	-47.33	-53.03
5731.35	12.54	16.40	-5.86	2.00	-47.17	-53.03
5731.40	12.57	16.40	-5.83	2.00	-47.00	-52.83
5731.45	12.67	16.40	-5.73	2.00	-47.00	-52.73
5731.50	12.77	16.40	-5.63	2.00	-47.00	-52.63
5731.55	12.77	16.40	-5.63	2.00	-47.00	-52.63
5731.60	12.77	16.40	-5.63	2.00	-47.00	-52.63
5731.65	12.77	16.40	-5.63	2.00	-47.00	-52.63
5731.70	13.07	16.40	-5.33	2.00	-47.00	-52.33
5731.75	13.24	16.40	-5.16	2.00	-47.17	-52.33
5731.80	12.54	16.40	-5.86	2.00	-46.67	-52.53
5731.85	12.70	16.40	-5.70	2.00	-46.83	-52.53
5731.90	12.70	16.40	-5.70	2.00	-46.83	-52.53
5731.95	12.27	16.40	-6.13	2.00	-46.50	-52.63
5732.00	12.34	16.40	-6.06	2.00	-46.67	-52.73
5732.05	12.07	16.40	-6.33	2.00	-46.50	-52.83
5732.10	12.24	16.40	-6.16	2.00	-46.67	-52.83
5732.15	12.24	16.40	-6.16	2.00	-46.67	-52.83
5732.20	12.24	16.40	-6.16	2.00	-46.67	-52.83
5732.25	12.20	16.40	-6.20	2.00	-46.33	-52.53
5732.30	12.20	16.40	-6.20	2.00	-46.33	-52.53
5732.35	11.97	16.40	-6.43	2.00	-46.00	-52.43
5732.40	12.07	16.40	-6.33	2.00	-46.00	-52.33
5732.45	12.17	16.40	-6.23	2.00	-46.00	-52.23
5732.50	12.24	16.40	-6.16	2.00	-46.17	-52.33
5732.55	12.14	16.40	-6.26	2.00	-46.17	-52.43
5732.60	12.14	16.40	-6.26	2.00	-46.17	-52.43
5732.65	11.97	16.40	-6.43	2.00	-46.00	-52.43
5732.70	11.77	16.40	-6.63	2.00	-46.00	-52.63
5732.75	11.50	16.40	-6.90	2.00	-45.83	-52.73
5732.80	11.24	16.40	-7.16	2.00	-45.67	-52.83
5732.85	11.24	16.40	-7.16	2.00	-45.67	-52.83
5732.90	11.24	16.40	-7.16	2.00	-45.67	-52.83
5732.95	11.17	16.40	-7.23	2.00	-45.50	-52.73
5733.00	11.34	16.40	-7.06	2.00	-45.67	-52.73
5733.05	11.50	16.40	-6.90	2.00	-45.83	-52.73

5733.10	11.37	16.40	-7.03	2.00	-45.50	-52.53
5733.15	11.64	16.40	-6.76	2.00	-45.67	-52.43
5733.20	11.47	16.40	-6.93	2.00	-45.50	-52.43
5733.25	11.47	16.40	-6.93	2.00	-45.50	-52.43
5733.30	11.47	16.40	-6.93	2.00	-45.50	-52.43
5733.35	11.74	16.40	-6.66	2.00	-45.67	-52.33
5733.40	11.37	16.40	-7.03	2.00	-45.50	-52.53
5733.45	11.37	16.40	-7.03	2.00	-45.50	-52.53
5733.50	10.94	16.40	-7.46	2.00	-45.17	-52.63
5733.55	10.94	16.40	-7.46	2.00	-45.17	-52.63
5733.60	10.94	16.40	-7.46	2.00	-45.17	-52.63
5733.65	10.84	16.40	-7.56	2.00	-45.17	-52.73
5733.70	10.67	16.40	-7.73	2.00	-45.00	-52.73
5733.75	10.67	16.40	-7.73	2.00	-45.00	-52.73
5733.80	10.94	16.40	-7.46	2.00	-45.17	-52.63
5733.85	11.04	16.40	-7.36	2.00	-45.17	-52.53
5733.90	11.14	16.40	-7.26	2.00	-45.17	-52.43
5733.95	11.30	16.40	-7.10	2.00	-45.33	-52.43
5734.00	10.80	16.40	-7.60	2.00	-44.83	-52.43
5734.05	10.14	16.40	-8.26	2.00	-44.17	-52.43
5734.10	10.30	16.40	-8.10	2.00	-44.33	-52.43
5734.15	9.30	16.40	-9.10	2.00	-43.33	-52.43
5734.20	9.37	16.40	-9.03	2.00	-43.50	-52.53
5734.25	8.60	16.40	-9.80	2.00	-42.83	-52.63
5734.30	7.97	16.40	-10.43	2.00	-42.00	-52.43
5734.35	8.10	16.40	-10.30	2.00	-42.33	-52.63
5734.40	7.27	16.40	-11.13	2.00	-41.50	-52.63
5734.45	6.60	16.40	-11.80	2.00	-40.83	-52.63
5734.50	7.27	16.40	-11.13	2.00	-41.50	-52.63
5734.55	6.37	16.40	-12.03	2.00	-40.50	-52.53
5734.60	6.64	16.40	-11.76	2.00	-40.67	-52.43
5734.65	6.47	16.40	-11.93	2.00	-40.50	-52.43
5734.70	8.44	16.40	-9.96	2.00	-40.67	-50.63
5734.75	7.17	16.40	-11.23	2.00	-41.00	-52.23
5734.80	6.74	16.40	-11.66	2.00	-40.67	-52.33
5734.85	6.90	16.40	-11.50	2.00	-40.83	-52.33
5734.90	7.40	16.40	-11.00	2.00	-41.33	-52.33
5734.95	7.90	16.40	-10.50	2.00	-41.83	-52.33
5735.00	7.40	16.40	-11.00	2.00	-41.33	-52.33
5735.05	7.84	16.40	-10.56	2.00	-41.67	-52.23
5735.10	8.20	16.40	-10.20	2.00	-42.33	-52.53
5735.15	8.37	16.40	-10.03	2.00	-42.50	-52.53
5735.20	9.37	16.40	-9.03	2.00	-43.50	-52.53
5735.25	9.80	16.40	-8.60	2.00	-43.83	-52.43
5735.30	9.97	16.40	-8.43	2.00	-44.00	-52.43
5735.35	10.47	16.40	-7.93	2.00	-44.50	-52.43
5735.40	10.84	16.40	-7.56	2.00	-44.67	-52.23

5735.45	11.17	16.40	-7.23	2.00	-45.00	-52.23
5735.50	11.37	16.40	-7.03	2.00	-45.00	-52.03
5735.55	11.37	16.40	-7.03	2.00	-45.00	-52.03
5735.60	11.54	16.40	-6.86	2.00	-45.17	-52.03
5735.65	11.44	16.40	-6.96	2.00	-45.17	-52.13
5735.70	11.60	16.40	-6.80	2.00	-45.33	-52.13
5735.75	11.34	16.40	-7.06	2.00	-45.17	-52.23
5735.80	11.40	16.40	-7.00	2.00	-45.33	-52.33
5735.85	11.24	16.40	-7.16	2.00	-45.17	-52.33
5735.90	11.04	16.40	-7.36	2.00	-45.17	-52.53
5735.95	10.97	16.40	-7.43	2.00	-45.00	-52.43
5736.00	11.14	16.40	-7.26	2.00	-45.17	-52.43
5736.05	11.14	16.40	-7.26	2.00	-45.17	-52.43
5736.10	11.14	16.40	-7.26	2.00	-45.17	-52.43
5736.15	10.97	16.40	-7.43	2.00	-45.00	-52.43
5736.20	11.17	16.40	-7.23	2.00	-45.00	-52.23
5736.25	11.17	16.40	-7.23	2.00	-45.00	-52.23
5736.30	11.10	16.40	-7.30	2.00	-44.83	-52.13
5736.35	11.17	16.40	-7.23	2.00	-45.00	-52.23
5736.40	11.34	16.40	-7.06	2.00	-45.17	-52.23
5736.45	11.34	16.40	-7.06	2.00	-45.17	-52.23
5736.50	11.34	16.40	-7.06	2.00	-45.17	-52.23
5736.55	11.07	16.40	-7.33	2.00	-45.00	-52.33
5736.60	11.30	16.40	-7.10	2.00	-45.33	-52.43
5736.65	11.30	16.40	-7.10	2.00	-45.33	-52.43
5736.70	11.30	16.40	-7.10	2.00	-45.33	-52.43
5736.75	11.54	16.40	-6.86	2.00	-45.67	-52.53
5736.80	11.37	16.40	-7.03	2.00	-45.50	-52.53
5736.85	11.57	16.40	-6.83	2.00	-45.50	-52.33
5736.90	11.24	16.40	-7.16	2.00	-45.17	-52.33
5736.95	11.74	16.40	-6.66	2.00	-45.67	-52.33
5737.00	11.67	16.40	-6.73	2.00	-45.50	-52.23
5737.05	11.94	16.40	-6.46	2.00	-45.67	-52.13
5737.10	11.77	16.40	-6.63	2.00	-45.50	-52.13
5737.15	11.87	16.40	-6.53	2.00	-45.50	-52.03
5737.20	11.77	16.40	-6.63	2.00	-45.50	-52.13
5737.25	11.77	16.40	-6.63	2.00	-45.50	-52.13
5737.30	11.84	16.40	-6.56	2.00	-45.67	-52.23
5737.35	11.50	16.40	-6.90	2.00	-45.33	-52.23
5737.40	11.84	16.40	-6.56	2.00	-45.67	-52.23
5737.45	11.84	16.40	-6.56	2.00	-45.67	-52.23
5737.50	11.80	16.40	-6.60	2.00	-45.83	-52.43
5737.55	11.74	16.40	-6.66	2.00	-45.67	-52.33
5737.60	11.74	16.40	-6.66	2.00	-45.67	-52.33
5737.65	11.74	16.40	-6.66	2.00	-45.67	-52.33
5737.70	12.10	16.40	-6.30	2.00	-45.83	-52.13
5737.75	12.10	16.40	-6.30	2.00	-45.83	-52.13

5737.80	12.20	16.40	-6.20	2.00	-45.83	-52.03
5737.85	12.37	16.40	-6.03	2.00	-46.00	-52.03
5737.90	12.37	16.40	-6.03	2.00	-46.00	-52.03
5737.95	12.20	16.40	-6.20	2.00	-45.83	-52.03
5738.00	12.70	16.40	-5.70	2.00	-46.33	-52.03
5738.05	12.77	16.40	-5.63	2.00	-46.50	-52.13
5738.10	12.27	16.40	-6.13	2.00	-46.00	-52.13
5738.15	12.44	16.40	-5.96	2.00	-46.17	-52.13
5738.20	12.44	16.40	-5.96	2.00	-46.17	-52.13
5738.25	12.07	16.40	-6.33	2.00	-46.00	-52.33
5738.30	12.24	16.40	-6.16	2.00	-46.17	-52.33
5738.35	12.24	16.40	-6.16	2.00	-46.17	-52.33
5738.40	12.50	16.40	-5.90	2.00	-46.33	-52.23
5738.45	12.50	16.40	-5.90	2.00	-46.33	-52.23
5738.50	12.34	16.40	-6.06	2.00	-46.17	-52.23
5738.55	12.54	16.40	-5.86	2.00	-46.17	-52.03
5738.60	12.47	16.40	-5.93	2.00	-46.00	-51.93
5738.65	12.64	16.40	-5.76	2.00	-46.17	-51.93
5738.70	12.70	16.40	-5.70	2.00	-46.33	-52.03
5738.75	12.87	16.40	-5.53	2.00	-46.50	-52.03
5738.80	12.87	16.40	-5.53	2.00	-46.50	-52.03
5738.85	13.20	16.40	-5.20	2.00	-46.83	-52.03
5738.90	13.10	16.40	-5.30	2.00	-46.83	-52.13
5738.95	13.10	16.40	-5.30	2.00	-46.83	-52.13
5739.00	13.00	16.40	-5.40	2.00	-46.83	-52.23
5739.05	13.00	16.40	-5.40	2.00	-46.83	-52.23
5739.10	13.00	16.40	-5.40	2.00	-46.83	-52.23
5739.15	13.00	16.40	-5.40	2.00	-46.83	-52.23
5739.20	13.00	16.40	-5.40	2.00	-46.83	-52.23
5739.25	13.27	16.40	-5.13	2.00	-47.00	-52.13
5739.30	13.44	16.40	-4.96	2.00	-47.17	-52.13
5739.35	13.60	16.40	-4.80	2.00	-47.33	-52.13
5739.40	13.54	16.40	-4.86	2.00	-47.17	-52.03
5739.45	13.97	16.40	-4.43	2.00	-47.50	-51.93
5739.50	14.14	16.40	-4.26	2.00	-47.67	-51.93
5739.55	14.14	16.40	-4.26	2.00	-47.67	-51.93
5739.60	14.47	16.40	-3.93	2.00	-48.00	-51.93
5739.65	14.64	16.40	-3.76	2.00	-48.17	-51.93
5739.70	14.54	16.40	-3.86	2.00	-48.17	-52.03
5739.75	14.47	16.40	-3.93	2.00	-48.00	-51.93
5739.80	14.64	16.40	-3.76	2.00	-48.17	-51.93
5739.85	14.60	16.40	-3.80	2.00	-48.33	-52.13
5739.90	14.70	16.40	-3.70	2.00	-48.33	-52.03
5739.95	14.60	16.40	-3.80	2.00	-48.33	-52.13
5740.00	14.54	16.40	-3.86	2.00	-48.17	-52.03
5740.05	14.87	16.40	-3.53	2.00	-48.50	-52.03
5740.10	14.87	16.40	-3.53	2.00	-48.50	-52.03

5740.15	15.20	16.40	-3.20	2.00	-48.83	-52.03
5740.20	15.34	16.40	-3.06	2.00	-48.67	-51.73
5740.25	15.50	16.40	-2.90	2.00	-48.83	-51.73
5740.30	15.67	16.40	-2.73	2.00	-49.00	-51.73
5740.35	15.84	16.40	-2.56	2.00	-49.17	-51.73
5740.40	15.50	16.40	-2.90	2.00	-48.83	-51.73
5740.45	16.00	16.40	-2.40	2.00	-49.33	-51.73
5740.50	16.07	16.40	-2.33	2.00	-49.50	-51.83
5740.55	15.97	16.40	-2.43	2.00	-49.50	-51.93
5740.60	16.14	16.40	-2.26	2.00	-49.67	-51.93
5740.65	16.14	16.40	-2.26	2.00	-49.67	-51.93
5740.70	16.30	16.40	-2.10	2.00	-49.83	-51.93
5740.75	16.14	16.40	-2.26	2.00	-49.67	-51.93
5740.80	16.14	16.40	-2.26	2.00	-49.67	-51.93
5740.85	16.47	16.40	-1.93	2.00	-50.00	-51.93
5740.90	16.84	16.40	-1.56	2.00	-50.17	-51.73
5740.95	16.84	16.40	-1.56	2.00	-50.17	-51.73
5741.00	17.00	16.40	-1.40	2.00	-50.33	-51.73
5741.05	17.44	16.40	-0.96	2.00	-50.67	-51.63
5741.10	17.60	16.40	-0.80	2.00	-50.83	-51.63
5741.15	17.60	16.40	-0.80	2.00	-50.83	-51.63
5741.20	17.67	16.40	-0.73	2.00	-51.00	-51.73
5741.25	17.34	16.40	-1.06	2.00	-50.67	-51.73
5741.30	17.34	16.40	-1.06	2.00	-50.67	-51.73
5741.35	17.47	16.40	-0.93	2.00	-51.00	-51.93
5741.40	17.47	16.40	-0.93	2.00	-51.00	-51.93
5741.45	17.47	16.40	-0.93	2.00	-51.00	-51.93
5741.50	17.14	16.40	-1.26	2.00	-50.67	-51.93
5741.55	17.74	16.40	-0.66	2.00	-51.17	-51.83
5741.60	17.90	16.40	-0.50	2.00	-51.33	-51.83
5741.65	18.34	16.40	-0.06	2.00	-51.67	-51.73
5741.70	18.34	16.40	-0.06	2.00	-51.67	-51.73
5741.75	18.60	16.40	0.20	2.00	-51.83	-51.63
5741.80	18.94	16.40	0.54	2.00	-52.17	-51.63
5741.85	19.10	16.40	0.70	2.00	-52.33	-51.63
5741.90	19.04	16.40	0.64	2.00	-52.17	-51.53
5741.95	19.54	16.40	1.14	2.00	-52.67	-51.53
5742.00	19.34	16.40	0.94	2.00	-52.67	-51.73
5742.05	19.44	16.40	1.04	2.00	-52.67	-51.63
5742.10	19.77	16.40	1.37	2.00	-53.00	-51.63
5742.15	19.77	16.40	1.37	2.00	-53.00	-51.63
5742.20	19.90	16.40	1.50	2.00	-53.33	-51.83
5742.25	20.07	16.40	1.67	2.00	-53.50	-51.83
5742.30	20.17	16.40	1.77	2.00	-53.50	-51.73
5742.35	20.17	16.40	1.77	2.00	-53.50	-51.73
5742.40	20.50	16.40	2.10	2.00	-53.83	-51.73
5742.45	20.60	16.40	2.20	2.00	-53.83	-51.63

5742.50	20.87	16.40	2.47	2.00	-54.00	-51.53
5742.55	20.87	16.40	2.47	2.00	-54.00	-51.53
5742.60	21.04	16.40	2.64	2.00	-54.17	-51.53
5742.65	21.40	16.40	3.00	2.00	-54.33	-51.33
5742.70	21.90	16.40	3.50	2.00	-54.83	-51.33
5742.75	21.90	16.40	3.50	2.00	-54.83	-51.33
5742.80	22.30	16.40	3.90	2.00	-55.33	-51.43
5742.85	22.14	16.40	3.74	2.00	-55.17	-51.43
5742.90	22.80	16.40	4.40	2.00	-55.83	-51.43
5742.95	22.70	16.40	4.30	2.00	-55.83	-51.53
5743.00	22.70	16.40	4.30	2.00	-55.83	-51.53
5743.05	23.20	16.40	4.80	2.00	-56.33	-51.53
5743.10	23.40	16.40	5.00	2.00	-56.33	-51.33
5743.15	23.74	16.40	5.34	2.00	-56.67	-51.33
5743.20	24.07	16.40	5.67	2.00	-57.00	-51.33
5743.25	24.07	16.40	5.67	2.00	-57.00	-51.33
5743.30	24.40	16.40	6.00	2.00	-57.33	-51.33
5743.35	24.67	16.40	6.27	2.00	-57.50	-51.23
5743.40	25.00	16.40	6.60	2.00	-57.83	-51.23
5743.45	25.20	16.40	6.80	2.00	-57.83	-51.03
5743.50	25.37	16.40	6.97	2.00	-58.00	-51.03

**20th
percentile 11.37**

11Mbps CCK Processing Gain - 5804MHz Channel						
Gp = (S/N)o + Mj + Lsys						
Frequency	Gp	(S/N)o	Mj = J/S	Lsys	S (Tx Power)	J (Jammer Power)
(MHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(dBm)
5795.50	24.40	16.40	6.00	2.00	-56.33	-50.33
5795.55	24.24	16.40	5.84	2.00	-56.17	-50.33
5795.60	23.97	16.40	5.57	2.00	-56.00	-50.43
5795.65	24.04	16.40	5.64	2.00	-56.17	-50.53
5795.70	23.60	16.40	5.20	2.00	-55.83	-50.63
5795.75	23.50	16.40	5.10	2.00	-55.83	-50.73
5795.80	23.50	16.40	5.10	2.00	-55.83	-50.73
5795.85	23.00	16.40	4.60	2.00	-55.33	-50.73
5795.90	22.84	16.40	4.44	2.00	-55.17	-50.73
5795.95	22.77	16.40	4.37	2.00	-55.00	-50.63
5796.00	22.54	16.40	4.14	2.00	-54.67	-50.53
5796.05	22.37	16.40	3.97	2.00	-54.50	-50.53
5796.10	22.04	16.40	3.64	2.00	-54.17	-50.53
5796.15	22.30	16.40	3.90	2.00	-54.33	-50.43
5796.20	21.97	16.40	3.57	2.00	-54.00	-50.43
5796.25	21.80	16.40	3.40	2.00	-53.83	-50.43
5796.30	21.47	16.40	3.07	2.00	-53.50	-50.43
5796.35	21.04	16.40	2.64	2.00	-53.17	-50.53
5796.40	20.77	16.40	2.37	2.00	-53.00	-50.63
5796.45	20.67	16.40	2.27	2.00	-53.00	-50.73
5796.50	20.47	16.40	2.07	2.00	-53.00	-50.93
5796.55	20.04	16.40	1.64	2.00	-52.67	-51.03
5796.60	20.20	16.40	1.80	2.00	-52.83	-51.03
5796.65	20.20	16.40	1.80	2.00	-52.83	-51.03
5796.70	20.20	16.40	1.80	2.00	-52.83	-51.03
5796.75	19.87	16.40	1.47	2.00	-52.50	-51.03
5796.80	19.64	16.40	1.24	2.00	-52.17	-50.93
5796.85	19.57	16.40	1.17	2.00	-52.00	-50.83
5796.90	19.67	16.40	1.27	2.00	-52.00	-50.73
5796.95	19.34	16.40	0.94	2.00	-51.67	-50.73
5797.00	19.24	16.40	0.84	2.00	-51.67	-50.83
5797.05	19.24	16.40	0.84	2.00	-51.67	-50.83
5797.10	18.87	16.40	0.47	2.00	-51.50	-51.03
5797.15	18.34	16.40	-0.06	2.00	-51.17	-51.23
5797.20	18.30	16.40	-0.10	2.00	-51.33	-51.43
5797.25	18.14	16.40	-0.26	2.00	-51.17	-51.43
5797.30	18.14	16.40	-0.26	2.00	-51.17	-51.43
5797.35	18.04	16.40	-0.36	2.00	-51.17	-51.53
5797.40	18.04	16.40	-0.36	2.00	-51.17	-51.53
5797.45	17.87	16.40	-0.53	2.00	-51.00	-51.53
5797.50	17.70	16.40	-0.70	2.00	-50.83	-51.53
5797.55	17.90	16.40	-0.50	2.00	-50.83	-51.33

5797.60	17.77	16.40	-0.63	2.00	-50.50	-51.13
5797.65	17.77	16.40	-0.63	2.00	-50.50	-51.13
5797.70	17.77	16.40	-0.63	2.00	-50.50	-51.13
5797.75	17.60	16.40	-0.80	2.00	-50.33	-51.13
5797.80	17.44	16.40	-0.96	2.00	-50.17	-51.13
5797.85	17.27	16.40	-1.13	2.00	-50.00	-51.13
5797.90	17.24	16.40	-1.16	2.00	-50.17	-51.33
5797.95	16.97	16.40	-1.43	2.00	-50.00	-51.43
5798.00	16.50	16.40	-1.90	2.00	-49.83	-51.73
5798.05	16.50	16.40	-1.90	2.00	-49.83	-51.73
5798.10	15.14	16.40	-3.26	2.00	-49.67	-52.93
5798.15	15.24	16.40	-3.16	2.00	-49.67	-52.83
5798.20	15.80	16.40	-2.60	2.00	-49.83	-52.43
5798.25	16.30	16.40	-2.10	2.00	-49.83	-51.93
5798.30	16.34	16.40	-2.06	2.00	-49.67	-51.73
5798.35	15.77	16.40	-2.63	2.00	-49.00	-51.63
5798.40	16.64	16.40	-1.76	2.00	-49.67	-51.43
5798.45	16.64	16.40	-1.76	2.00	-49.67	-51.43
5798.50	16.04	16.40	-2.36	2.00	-49.17	-51.53
5798.55	16.04	16.40	-2.36	2.00	-49.17	-51.53
5798.60	15.77	16.40	-2.63	2.00	-49.00	-51.63
5798.65	15.74	16.40	-2.66	2.00	-49.17	-51.83
5798.70	15.57	16.40	-2.83	2.00	-49.00	-51.83
5798.75	15.17	16.40	-3.23	2.00	-49.00	-52.23
5798.80	15.17	16.40	-3.23	2.00	-49.00	-52.23
5798.85	15.17	16.40	-3.23	2.00	-49.00	-52.23
5798.90	15.34	16.40	-3.06	2.00	-49.17	-52.23
5798.95	15.00	16.40	-3.40	2.00	-48.83	-52.23
5799.00	15.00	16.40	-3.40	2.00	-48.83	-52.23
5799.05	14.87	16.40	-3.53	2.00	-48.50	-52.03
5799.10	15.20	16.40	-3.20	2.00	-48.83	-52.03
5799.15	14.87	16.40	-3.53	2.00	-48.50	-52.03
5799.20	15.17	16.40	-3.23	2.00	-48.50	-51.73
5799.25	15.17	16.40	-3.23	2.00	-48.50	-51.73
5799.30	14.57	16.40	-3.83	2.00	-48.00	-51.83
5799.35	14.64	16.40	-3.76	2.00	-48.17	-51.93
5799.40	14.47	16.40	-3.93	2.00	-48.00	-51.93
5799.45	14.27	16.40	-4.13	2.00	-48.00	-52.13
5799.50	14.10	16.40	-4.30	2.00	-47.83	-52.13
5799.55	13.40	16.40	-5.00	2.00	-47.33	-52.33
5799.60	13.74	16.40	-4.66	2.00	-47.67	-52.33
5799.65	13.90	16.40	-4.50	2.00	-47.83	-52.33
5799.70	14.24	16.40	-4.16	2.00	-48.17	-52.33
5799.75	14.40	16.40	-4.00	2.00	-48.33	-52.33
5799.80	14.17	16.40	-4.23	2.00	-48.00	-52.23
5799.85	14.27	16.40	-4.13	2.00	-48.00	-52.13
5799.90	13.94	16.40	-4.46	2.00	-47.67	-52.13

5799.95	14.20	16.40	-4.20	2.00	-47.83	-52.03
5800.00	14.20	16.40	-4.20	2.00	-47.83	-52.03
5800.05	14.20	16.40	-4.20	2.00	-47.83	-52.03
5800.10	14.04	16.40	-4.36	2.00	-47.67	-52.03
5800.15	14.00	16.40	-4.40	2.00	-47.83	-52.23
5800.20	13.67	16.40	-4.73	2.00	-47.50	-52.23
5800.25	13.47	16.40	-4.93	2.00	-47.50	-52.43
5800.30	13.47	16.40	-4.93	2.00	-47.50	-52.43
5800.35	13.47	16.40	-4.93	2.00	-47.50	-52.43
5800.40	13.20	16.40	-5.20	2.00	-47.33	-52.53
5800.45	13.04	16.40	-5.36	2.00	-47.17	-52.53
5800.50	13.04	16.40	-5.36	2.00	-47.17	-52.53
5800.55	13.20	16.40	-5.20	2.00	-47.33	-52.53
5800.60	13.20	16.40	-5.20	2.00	-47.33	-52.53
5800.65	13.40	16.40	-5.00	2.00	-47.33	-52.33
5800.70	13.17	16.40	-5.23	2.00	-47.00	-52.23
5800.75	13.34	16.40	-5.06	2.00	-47.17	-52.23
5800.80	13.44	16.40	-4.96	2.00	-47.17	-52.13
5800.85	13.10	16.40	-5.30	2.00	-46.83	-52.13
5800.90	12.67	16.40	-5.73	2.00	-46.50	-52.23
5800.95	13.07	16.40	-5.33	2.00	-47.00	-52.33
5801.00	12.97	16.40	-5.43	2.00	-47.00	-52.43
5801.05	12.77	16.40	-5.63	2.00	-47.00	-52.63
5801.10	12.50	16.40	-5.90	2.00	-46.83	-52.73
5801.15	12.74	16.40	-5.66	2.00	-47.17	-52.83
5801.20	12.17	16.40	-6.23	2.00	-46.50	-52.73
5801.25	12.50	16.40	-5.90	2.00	-46.83	-52.73
5801.30	12.50	16.40	-5.90	2.00	-46.83	-52.73
5801.35	12.34	16.40	-6.06	2.00	-46.67	-52.73
5801.40	12.27	16.40	-6.13	2.00	-46.50	-52.63
5801.45	12.54	16.40	-5.86	2.00	-46.67	-52.53
5801.50	12.54	16.40	-5.86	2.00	-46.67	-52.53
5801.55	12.54	16.40	-5.86	2.00	-46.67	-52.53
5801.60	12.54	16.40	-5.86	2.00	-46.67	-52.53
5801.65	12.60	16.40	-5.80	2.00	-46.83	-52.63
5801.70	12.00	16.40	-6.40	2.00	-46.33	-52.73
5801.75	11.80	16.40	-6.60	2.00	-46.33	-52.93
5801.80	11.80	16.40	-6.60	2.00	-46.33	-52.93
5801.85	11.70	16.40	-6.70	2.00	-46.33	-53.03
5801.90	11.87	16.40	-6.53	2.00	-46.50	-53.03
5801.95	11.70	16.40	-6.70	2.00	-46.33	-53.03
5802.00	11.44	16.40	-6.96	2.00	-46.17	-53.13
5802.05	11.77	16.40	-6.63	2.00	-46.50	-53.13
5802.10	11.87	16.40	-6.53	2.00	-46.50	-53.03
5802.15	11.70	16.40	-6.70	2.00	-46.33	-53.03
5802.20	11.70	16.40	-6.70	2.00	-46.33	-53.03
5802.25	11.70	16.40	-6.70	2.00	-46.33	-53.03

5802.30	11.64	16.40	-6.76	2.00	-46.17	-52.93
5802.35	11.30	16.40	-7.10	2.00	-45.83	-52.93
5802.40	11.47	16.40	-6.93	2.00	-46.00	-52.93
5802.45	11.47	16.40	-6.93	2.00	-46.00	-52.93
5802.50	11.10	16.40	-7.30	2.00	-45.83	-53.13
5802.55	11.44	16.40	-6.96	2.00	-46.17	-53.13
5802.60	11.10	16.40	-7.30	2.00	-45.83	-53.13
5802.65	11.00	16.40	-7.40	2.00	-45.83	-53.23
5802.70	10.67	16.40	-7.73	2.00	-45.50	-53.23
5802.75	10.84	16.40	-7.56	2.00	-45.67	-53.23
5802.80	10.67	16.40	-7.73	2.00	-45.50	-53.23
5802.85	11.00	16.40	-7.40	2.00	-45.83	-53.23
5802.90	10.84	16.40	-7.56	2.00	-45.67	-53.23
5802.95	10.84	16.40	-7.56	2.00	-45.67	-53.23
5803.00	10.84	16.40	-7.56	2.00	-45.67	-53.23
5803.05	10.67	16.40	-7.73	2.00	-45.50	-53.23
5803.10	9.50	16.40	-8.90	2.00	-44.33	-53.23
5803.15	9.50	16.40	-8.90	2.00	-44.33	-53.23
5803.20	9.50	16.40	-8.90	2.00	-44.33	-53.23
5803.25	8.24	16.40	-10.16	2.00	-43.17	-53.33
5803.30	8.47	16.40	-9.93	2.00	-43.50	-53.43
5803.35	8.04	16.40	-10.36	2.00	-43.17	-53.53
5803.40	7.04	16.40	-11.36	2.00	-42.17	-53.53
5803.45	7.37	16.40	-11.03	2.00	-42.50	-53.53
5803.50	6.44	16.40	-11.96	2.00	-41.67	-53.63
5803.55	6.27	16.40	-12.13	2.00	-41.50	-53.63
5803.60	6.27	16.40	-12.13	2.00	-41.50	-53.63
5803.65	5.94	16.40	-12.46	2.00	-41.17	-53.63
5803.70	8.77	16.40	-9.63	2.00	-41.00	-50.63
5803.75	7.57	16.40	-10.83	2.00	-42.00	-52.83
5803.80	6.54	16.40	-11.86	2.00	-41.17	-53.03
5803.85	6.87	16.40	-11.53	2.00	-41.50	-53.03
5803.90	6.94	16.40	-11.46	2.00	-41.67	-53.13
5803.95	7.00	16.40	-11.40	2.00	-41.83	-53.23
5804.00	7.14	16.40	-11.26	2.00	-42.17	-53.43
5804.05	7.20	16.40	-11.20	2.00	-42.33	-53.53
5804.10	7.70	16.40	-10.70	2.00	-42.83	-53.53
5804.15	8.44	16.40	-9.96	2.00	-43.67	-53.63
5804.20	8.17	16.40	-10.23	2.00	-43.50	-53.73
5804.25	8.57	16.40	-9.83	2.00	-44.00	-53.83
5804.30	9.24	16.40	-9.16	2.00	-44.67	-53.83
5804.35	9.24	16.40	-9.16	2.00	-44.67	-53.83
5804.40	10.07	16.40	-8.33	2.00	-45.50	-53.83
5804.45	10.07	16.40	-8.33	2.00	-45.50	-53.83
5804.50	10.34	16.40	-8.06	2.00	-45.67	-53.73
5804.55	10.77	16.40	-7.63	2.00	-46.00	-53.63
5804.60	10.94	16.40	-7.46	2.00	-46.17	-53.63

5804.65	10.94	16.40	-7.46	2.00	-46.17	-53.63
5804.70	11.10	16.40	-7.30	2.00	-46.33	-53.63
5804.75	10.60	16.40	-7.80	2.00	-45.83	-53.63
5804.80	10.77	16.40	-7.63	2.00	-46.00	-53.63
5804.85	10.50	16.40	-7.90	2.00	-45.83	-53.73
5804.90	10.74	16.40	-7.66	2.00	-46.17	-53.83
5804.95	10.74	16.40	-7.66	2.00	-46.17	-53.83
5805.00	10.64	16.40	-7.76	2.00	-46.17	-53.93
5805.05	10.54	16.40	-7.86	2.00	-46.17	-54.03
5805.10	10.20	16.40	-8.20	2.00	-45.83	-54.03
5805.15	10.37	16.40	-8.03	2.00	-46.00	-54.03
5805.20	10.37	16.40	-8.03	2.00	-46.00	-54.03
5805.25	10.20	16.40	-8.20	2.00	-45.83	-54.03
5805.30	10.20	16.40	-8.20	2.00	-45.83	-54.03
5805.35	10.64	16.40	-7.76	2.00	-46.17	-53.93
5805.40	10.47	16.40	-7.93	2.00	-46.00	-53.93
5805.45	10.64	16.40	-7.76	2.00	-46.17	-53.93
5805.50	10.47	16.40	-7.93	2.00	-46.00	-53.93
5805.55	10.64	16.40	-7.76	2.00	-46.17	-53.93
5805.60	10.54	16.40	-7.86	2.00	-46.17	-54.03
5805.65	10.70	16.40	-7.70	2.00	-46.33	-54.03
5805.70	10.87	16.40	-7.53	2.00	-46.50	-54.03
5805.75	10.67	16.40	-7.73	2.00	-46.50	-54.23
5805.80	10.84	16.40	-7.56	2.00	-46.67	-54.23
5805.85	10.84	16.40	-7.56	2.00	-46.67	-54.23
5805.90	11.17	16.40	-7.23	2.00	-47.00	-54.23
5805.95	10.84	16.40	-7.56	2.00	-46.67	-54.23
5806.00	11.70	16.40	-6.70	2.00	-47.33	-54.03
5806.05	11.37	16.40	-7.03	2.00	-47.00	-54.03
5806.10	11.87	16.40	-6.53	2.00	-47.50	-54.03
5806.15	11.70	16.40	-6.70	2.00	-47.33	-54.03
5806.20	11.70	16.40	-6.70	2.00	-47.33	-54.03
5806.25	11.64	16.40	-6.76	2.00	-47.17	-53.93
5806.30	11.80	16.40	-6.60	2.00	-47.33	-53.93
5806.35	11.70	16.40	-6.70	2.00	-47.33	-54.03
5806.40	11.77	16.40	-6.63	2.00	-47.50	-54.13
5806.45	11.67	16.40	-6.73	2.00	-47.50	-54.23
5806.50	11.84	16.40	-6.56	2.00	-47.67	-54.23
5806.55	12.00	16.40	-6.40	2.00	-47.83	-54.23
5806.60	11.57	16.40	-6.83	2.00	-47.50	-54.33
5806.65	11.74	16.40	-6.66	2.00	-47.67	-54.33
5806.70	11.74	16.40	-6.66	2.00	-47.67	-54.33
5806.75	12.00	16.40	-6.40	2.00	-47.83	-54.23
5806.80	12.00	16.40	-6.40	2.00	-47.83	-54.23
5806.85	12.17	16.40	-6.23	2.00	-48.00	-54.23
5806.90	12.17	16.40	-6.23	2.00	-48.00	-54.23
5806.95	11.77	16.40	-6.63	2.00	-47.50	-54.13

5807.00	12.44	16.40	-5.96	2.00	-48.17	-54.13
5807.05	12.27	16.40	-6.13	2.00	-48.00	-54.13
5807.10	12.00	16.40	-6.40	2.00	-47.83	-54.23
5807.15	12.50	16.40	-5.90	2.00	-48.33	-54.23
5807.20	12.40	16.40	-6.00	2.00	-48.33	-54.33
5807.25	12.40	16.40	-6.00	2.00	-48.33	-54.33
5807.30	12.40	16.40	-6.00	2.00	-48.33	-54.33
5807.35	12.30	16.40	-6.10	2.00	-48.33	-54.43
5807.40	12.30	16.40	-6.10	2.00	-48.33	-54.43
5807.45	12.40	16.40	-6.00	2.00	-48.33	-54.33
5807.50	12.40	16.40	-6.00	2.00	-48.33	-54.33
5807.55	12.24	16.40	-6.16	2.00	-48.17	-54.33
5807.60	12.34	16.40	-6.06	2.00	-48.17	-54.23
5807.65	12.67	16.40	-5.73	2.00	-48.50	-54.23
5807.70	12.57	16.40	-5.83	2.00	-48.50	-54.33
5807.75	12.84	16.40	-5.56	2.00	-48.67	-54.23
5807.80	12.84	16.40	-5.56	2.00	-48.67	-54.23
5807.85	13.07	16.40	-5.33	2.00	-49.00	-54.33
5807.90	13.24	16.40	-5.16	2.00	-49.17	-54.33
5807.95	12.90	16.40	-5.50	2.00	-48.83	-54.33
5808.00	12.90	16.40	-5.50	2.00	-48.83	-54.33
5808.05	13.07	16.40	-5.33	2.00	-49.00	-54.33
5808.10	12.97	16.40	-5.43	2.00	-49.00	-54.43
5808.15	12.97	16.40	-5.43	2.00	-49.00	-54.43
5808.20	13.04	16.40	-5.36	2.00	-49.17	-54.53
5808.25	13.37	16.40	-5.03	2.00	-49.50	-54.53
5808.30	13.47	16.40	-4.93	2.00	-49.50	-54.43
5808.35	13.47	16.40	-4.93	2.00	-49.50	-54.43
5808.40	14.00	16.40	-4.40	2.00	-49.83	-54.23
5808.45	14.17	16.40	-4.23	2.00	-50.00	-54.23
5808.50	14.17	16.40	-4.23	2.00	-50.00	-54.23
5808.55	14.50	16.40	-3.90	2.00	-50.33	-54.23
5808.60	14.67	16.40	-3.73	2.00	-50.50	-54.23
5808.65	14.84	16.40	-3.56	2.00	-50.67	-54.23
5808.70	14.74	16.40	-3.66	2.00	-50.67	-54.33
5808.75	14.64	16.40	-3.76	2.00	-50.67	-54.43
5808.80	14.80	16.40	-3.60	2.00	-50.83	-54.43
5808.85	14.64	16.40	-3.76	2.00	-50.67	-54.43
5808.90	14.80	16.40	-3.60	2.00	-50.83	-54.43
5808.95	14.97	16.40	-3.43	2.00	-51.00	-54.43
5809.00	14.97	16.40	-3.43	2.00	-51.00	-54.43
5809.05	14.80	16.40	-3.60	2.00	-50.83	-54.43
5809.10	15.24	16.40	-3.16	2.00	-51.17	-54.33
5809.15	15.40	16.40	-3.00	2.00	-51.33	-54.33
5809.20	15.57	16.40	-2.83	2.00	-51.50	-54.33
5809.25	15.84	16.40	-2.56	2.00	-51.67	-54.23
5809.30	16.00	16.40	-2.40	2.00	-51.83	-54.23

5809.35	15.84	16.40	-2.56	2.00	-51.67	-54.23
5809.40	16.17	16.40	-2.23	2.00	-52.00	-54.23
5809.45	16.17	16.40	-2.23	2.00	-52.00	-54.23
5809.50	16.34	16.40	-2.06	2.00	-52.17	-54.23
5809.55	16.67	16.40	-1.73	2.00	-52.50	-54.23
5809.60	16.57	16.40	-1.83	2.00	-52.50	-54.33
5809.65	16.57	16.40	-1.83	2.00	-52.50	-54.33
5809.70	16.30	16.40	-2.10	2.00	-52.33	-54.43
5809.75	16.47	16.40	-1.93	2.00	-52.50	-54.43
5809.80	16.64	16.40	-1.76	2.00	-52.67	-54.43
5809.85	16.80	16.40	-1.60	2.00	-52.83	-54.43
5809.90	17.07	16.40	-1.33	2.00	-53.00	-54.33
5809.95	17.07	16.40	-1.33	2.00	-53.00	-54.33
5810.00	17.24	16.40	-1.16	2.00	-53.17	-54.33
5810.05	17.57	16.40	-0.83	2.00	-53.50	-54.33
5810.10	17.94	16.40	-0.46	2.00	-53.67	-54.13
5810.15	17.94	16.40	-0.46	2.00	-53.67	-54.13
5810.20	18.10	16.40	-0.30	2.00	-53.83	-54.13
5810.25	18.44	16.40	0.04	2.00	-54.17	-54.13
5810.30	18.10	16.40	-0.30	2.00	-53.83	-54.13
5810.35	18.00	16.40	-0.40	2.00	-53.83	-54.23
5810.40	18.24	16.40	-0.16	2.00	-54.17	-54.33
5810.45	18.24	16.40	-0.16	2.00	-54.17	-54.33
5810.50	18.07	16.40	-0.33	2.00	-54.00	-54.33
5810.55	18.40	16.40	0.00	2.00	-54.33	-54.33
5810.60	18.57	16.40	0.17	2.00	-54.50	-54.33
5810.65	18.74	16.40	0.34	2.00	-54.67	-54.33
5810.70	18.90	16.40	0.50	2.00	-54.83	-54.33
5810.75	18.90	16.40	0.50	2.00	-54.83	-54.33
5810.80	19.07	16.40	0.67	2.00	-55.00	-54.33
5810.85	19.27	16.40	0.87	2.00	-55.00	-54.13
5810.90	19.94	16.40	1.54	2.00	-55.67	-54.13
5810.95	19.67	16.40	1.27	2.00	-55.50	-54.23
5811.00	20.17	16.40	1.77	2.00	-56.00	-54.23
5811.05	20.00	16.40	1.60	2.00	-55.83	-54.23
5811.10	20.50	16.40	2.10	2.00	-56.33	-54.23
5811.15	20.50	16.40	2.10	2.00	-56.33	-54.23
5811.20	20.34	16.40	1.94	2.00	-56.17	-54.23
5811.25	20.84	16.40	2.44	2.00	-56.67	-54.23
5811.30	21.00	16.40	2.60	2.00	-56.83	-54.23
5811.35	21.17	16.40	2.77	2.00	-57.00	-54.23
5811.40	21.07	16.40	2.67	2.00	-57.00	-54.33
5811.45	21.34	16.40	2.94	2.00	-57.17	-54.23
5811.50	21.50	16.40	3.10	2.00	-57.33	-54.23
5811.55	21.77	16.40	3.37	2.00	-57.50	-54.13
5811.60	21.87	16.40	3.47	2.00	-57.50	-54.03
5811.65	22.04	16.40	3.64	2.00	-57.67	-54.03

5811.70	22.37	16.40	3.97	2.00	-58.00	-54.03
5811.75	22.64	16.40	4.24	2.00	-58.17	-53.93
5811.80	23.07	16.40	4.67	2.00	-58.50	-53.83
5811.85	23.24	16.40	4.84	2.00	-58.67	-53.83
5811.90	23.24	16.40	4.84	2.00	-58.67	-53.83
5811.95	23.90	16.40	5.50	2.00	-59.33	-53.83
5812.00	23.20	16.40	4.80	2.00	-58.83	-54.03
5812.05	24.14	16.40	5.74	2.00	-59.67	-53.93
5812.10	24.14	16.40	5.74	2.00	-59.67	-53.93
5812.15	24.40	16.40	6.00	2.00	-59.83	-53.83
5812.20	24.40	16.40	6.00	2.00	-59.83	-53.83
5812.25	24.90	16.40	6.50	2.00	-60.33	-53.83
5812.30	25.17	16.40	6.77	2.00	-60.50	-53.73
5812.35	25.60	16.40	7.20	2.00	-60.83	-53.63
5812.40	25.94	16.40	7.54	2.00	-61.17	-53.63
5812.45	25.77	16.40	7.37	2.00	-61.00	-53.63
5812.50	26.10	16.40	7.70	2.00	-61.33	-53.63

**20th
percentile 11.17**

11Mbps CCK Processing Gain - 5804MHz Channel						
Gp = (S/N)o + Mj + Lsys						
Frequency	Gp	(S/N)o	Mj = J/S	Lsys	S (Tx Power)	J (Jammer Power)
(MHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(dBm)
5795.50	24.40	16.40	6.00	2.00	-56.33	-50.33
5795.55	24.24	16.40	5.84	2.00	-56.17	-50.33
5795.60	23.97	16.40	5.57	2.00	-56.00	-50.43
5795.65	24.04	16.40	5.64	2.00	-56.17	-50.53
5795.70	23.60	16.40	5.20	2.00	-55.83	-50.63
5795.75	23.50	16.40	5.10	2.00	-55.83	-50.73
5795.80	23.50	16.40	5.10	2.00	-55.83	-50.73
5795.85	23.00	16.40	4.60	2.00	-55.33	-50.73
5795.90	22.84	16.40	4.44	2.00	-55.17	-50.73
5795.95	22.77	16.40	4.37	2.00	-55.00	-50.63
5796.00	22.54	16.40	4.14	2.00	-54.67	-50.53
5796.05	22.37	16.40	3.97	2.00	-54.50	-50.53
5796.10	22.04	16.40	3.64	2.00	-54.17	-50.53
5796.15	22.30	16.40	3.90	2.00	-54.33	-50.43
5796.20	21.97	16.40	3.57	2.00	-54.00	-50.43
5796.25	21.80	16.40	3.40	2.00	-53.83	-50.43
5796.30	21.47	16.40	3.07	2.00	-53.50	-50.43
5796.35	21.04	16.40	2.64	2.00	-53.17	-50.53
5796.40	20.77	16.40	2.37	2.00	-53.00	-50.63
5796.45	20.67	16.40	2.27	2.00	-53.00	-50.73
5796.50	20.47	16.40	2.07	2.00	-53.00	-50.93
5796.55	20.04	16.40	1.64	2.00	-52.67	-51.03
5796.60	20.20	16.40	1.80	2.00	-52.83	-51.03
5796.65	20.20	16.40	1.80	2.00	-52.83	-51.03
5796.70	20.20	16.40	1.80	2.00	-52.83	-51.03
5796.75	19.87	16.40	1.47	2.00	-52.50	-51.03
5796.80	19.64	16.40	1.24	2.00	-52.17	-50.93
5796.85	19.57	16.40	1.17	2.00	-52.00	-50.83
5796.90	19.67	16.40	1.27	2.00	-52.00	-50.73
5796.95	19.34	16.40	0.94	2.00	-51.67	-50.73
5797.00	19.24	16.40	0.84	2.00	-51.67	-50.83
5797.05	19.24	16.40	0.84	2.00	-51.67	-50.83
5797.10	18.87	16.40	0.47	2.00	-51.50	-51.03
5797.15	18.34	16.40	-0.06	2.00	-51.17	-51.23
5797.20	18.30	16.40	-0.10	2.00	-51.33	-51.43
5797.25	18.14	16.40	-0.26	2.00	-51.17	-51.43
5797.30	18.14	16.40	-0.26	2.00	-51.17	-51.43
5797.35	18.04	16.40	-0.36	2.00	-51.17	-51.53
5797.40	18.04	16.40	-0.36	2.00	-51.17	-51.53
5797.45	17.87	16.40	-0.53	2.00	-51.00	-51.53
5797.50	17.70	16.40	-0.70	2.00	-50.83	-51.53

5797.55	17.90	16.40	-0.50	2.00	-50.83	-51.33
5797.60	17.77	16.40	-0.63	2.00	-50.50	-51.13
5797.65	17.77	16.40	-0.63	2.00	-50.50	-51.13
5797.70	17.77	16.40	-0.63	2.00	-50.50	-51.13
5797.75	17.60	16.40	-0.80	2.00	-50.33	-51.13
5797.80	17.44	16.40	-0.96	2.00	-50.17	-51.13
5797.85	17.27	16.40	-1.13	2.00	-50.00	-51.13
5797.90	17.24	16.40	-1.16	2.00	-50.17	-51.33
5797.95	16.97	16.40	-1.43	2.00	-50.00	-51.43
5798.00	16.50	16.40	-1.90	2.00	-49.83	-51.73
5798.05	16.50	16.40	-1.90	2.00	-49.83	-51.73
5798.10	15.14	16.40	-3.26	2.00	-49.67	-52.93
5798.15	15.24	16.40	-3.16	2.00	-49.67	-52.83
5798.20	15.80	16.40	-2.60	2.00	-49.83	-52.43
5798.25	16.30	16.40	-2.10	2.00	-49.83	-51.93
5798.30	16.34	16.40	-2.06	2.00	-49.67	-51.73
5798.35	15.77	16.40	-2.63	2.00	-49.00	-51.63
5798.40	16.64	16.40	-1.76	2.00	-49.67	-51.43
5798.45	16.64	16.40	-1.76	2.00	-49.67	-51.43
5798.50	16.04	16.40	-2.36	2.00	-49.17	-51.53
5798.55	16.04	16.40	-2.36	2.00	-49.17	-51.53
5798.60	15.77	16.40	-2.63	2.00	-49.00	-51.63
5798.65	15.74	16.40	-2.66	2.00	-49.17	-51.83
5798.70	15.57	16.40	-2.83	2.00	-49.00	-51.83
5798.75	15.17	16.40	-3.23	2.00	-49.00	-52.23
5798.80	15.17	16.40	-3.23	2.00	-49.00	-52.23
5798.85	15.17	16.40	-3.23	2.00	-49.00	-52.23
5798.90	15.34	16.40	-3.06	2.00	-49.17	-52.23
5798.95	15.00	16.40	-3.40	2.00	-48.83	-52.23
5799.00	15.00	16.40	-3.40	2.00	-48.83	-52.23
5799.05	14.87	16.40	-3.53	2.00	-48.50	-52.03
5799.10	15.20	16.40	-3.20	2.00	-48.83	-52.03
5799.15	14.87	16.40	-3.53	2.00	-48.50	-52.03
5799.20	15.17	16.40	-3.23	2.00	-48.50	-51.73
5799.25	15.17	16.40	-3.23	2.00	-48.50	-51.73
5799.30	14.57	16.40	-3.83	2.00	-48.00	-51.83
5799.35	14.64	16.40	-3.76	2.00	-48.17	-51.93
5799.40	14.47	16.40	-3.93	2.00	-48.00	-51.93
5799.45	14.27	16.40	-4.13	2.00	-48.00	-52.13
5799.50	14.10	16.40	-4.30	2.00	-47.83	-52.13
5799.55	13.40	16.40	-5.00	2.00	-47.33	-52.33
5799.60	13.74	16.40	-4.66	2.00	-47.67	-52.33
5799.65	13.90	16.40	-4.50	2.00	-47.83	-52.33
5799.70	14.24	16.40	-4.16	2.00	-48.17	-52.33
5799.75	14.40	16.40	-4.00	2.00	-48.33	-52.33
5799.80	14.17	16.40	-4.23	2.00	-48.00	-52.23
5799.85	14.27	16.40	-4.13	2.00	-48.00	-52.13

5799.90	13.94	16.40	-4.46	2.00	-47.67	-52.13
5799.95	14.20	16.40	-4.20	2.00	-47.83	-52.03
5800.00	14.20	16.40	-4.20	2.00	-47.83	-52.03
5800.05	14.20	16.40	-4.20	2.00	-47.83	-52.03
5800.10	14.04	16.40	-4.36	2.00	-47.67	-52.03
5800.15	14.00	16.40	-4.40	2.00	-47.83	-52.23
5800.20	13.67	16.40	-4.73	2.00	-47.50	-52.23
5800.25	13.47	16.40	-4.93	2.00	-47.50	-52.43
5800.30	13.47	16.40	-4.93	2.00	-47.50	-52.43
5800.35	13.47	16.40	-4.93	2.00	-47.50	-52.43
5800.40	13.20	16.40	-5.20	2.00	-47.33	-52.53
5800.45	13.04	16.40	-5.36	2.00	-47.17	-52.53
5800.50	13.04	16.40	-5.36	2.00	-47.17	-52.53
5800.55	13.20	16.40	-5.20	2.00	-47.33	-52.53
5800.60	13.20	16.40	-5.20	2.00	-47.33	-52.53
5800.65	13.40	16.40	-5.00	2.00	-47.33	-52.33
5800.70	13.17	16.40	-5.23	2.00	-47.00	-52.23
5800.75	13.34	16.40	-5.06	2.00	-47.17	-52.23
5800.80	13.44	16.40	-4.96	2.00	-47.17	-52.13
5800.85	13.10	16.40	-5.30	2.00	-46.83	-52.13
5800.90	12.67	16.40	-5.73	2.00	-46.50	-52.23
5800.95	13.07	16.40	-5.33	2.00	-47.00	-52.33
5801.00	12.97	16.40	-5.43	2.00	-47.00	-52.43
5801.05	12.77	16.40	-5.63	2.00	-47.00	-52.63
5801.10	12.50	16.40	-5.90	2.00	-46.83	-52.73
5801.15	12.74	16.40	-5.66	2.00	-47.17	-52.83
5801.20	12.17	16.40	-6.23	2.00	-46.50	-52.73
5801.25	12.50	16.40	-5.90	2.00	-46.83	-52.73
5801.30	12.50	16.40	-5.90	2.00	-46.83	-52.73
5801.35	12.34	16.40	-6.06	2.00	-46.67	-52.73
5801.40	12.27	16.40	-6.13	2.00	-46.50	-52.63
5801.45	12.54	16.40	-5.86	2.00	-46.67	-52.53
5801.50	12.54	16.40	-5.86	2.00	-46.67	-52.53
5801.55	12.54	16.40	-5.86	2.00	-46.67	-52.53
5801.60	12.54	16.40	-5.86	2.00	-46.67	-52.53
5801.65	12.60	16.40	-5.80	2.00	-46.83	-52.63
5801.70	12.00	16.40	-6.40	2.00	-46.33	-52.73
5801.75	11.80	16.40	-6.60	2.00	-46.33	-52.93
5801.80	11.80	16.40	-6.60	2.00	-46.33	-52.93
5801.85	11.70	16.40	-6.70	2.00	-46.33	-53.03
5801.90	11.87	16.40	-6.53	2.00	-46.50	-53.03
5801.95	11.70	16.40	-6.70	2.00	-46.33	-53.03
5802.00	11.44	16.40	-6.96	2.00	-46.17	-53.13
5802.05	11.77	16.40	-6.63	2.00	-46.50	-53.13
5802.10	11.87	16.40	-6.53	2.00	-46.50	-53.03
5802.15	11.70	16.40	-6.70	2.00	-46.33	-53.03
5802.20	11.70	16.40	-6.70	2.00	-46.33	-53.03

5802.25	11.70	16.40	-6.70	2.00	-46.33	-53.03
5802.30	11.64	16.40	-6.76	2.00	-46.17	-52.93
5802.35	11.30	16.40	-7.10	2.00	-45.83	-52.93
5802.40	11.47	16.40	-6.93	2.00	-46.00	-52.93
5802.45	11.47	16.40	-6.93	2.00	-46.00	-52.93
5802.50	11.10	16.40	-7.30	2.00	-45.83	-53.13
5802.55	11.44	16.40	-6.96	2.00	-46.17	-53.13
5802.60	11.10	16.40	-7.30	2.00	-45.83	-53.13
5802.65	11.00	16.40	-7.40	2.00	-45.83	-53.23
5802.70	10.67	16.40	-7.73	2.00	-45.50	-53.23
5802.75	10.84	16.40	-7.56	2.00	-45.67	-53.23
5802.80	10.67	16.40	-7.73	2.00	-45.50	-53.23
5802.85	11.00	16.40	-7.40	2.00	-45.83	-53.23
5802.90	10.84	16.40	-7.56	2.00	-45.67	-53.23
5802.95	10.84	16.40	-7.56	2.00	-45.67	-53.23
5803.00	10.84	16.40	-7.56	2.00	-45.67	-53.23
5803.05	10.67	16.40	-7.73	2.00	-45.50	-53.23
5803.10	9.50	16.40	-8.90	2.00	-44.33	-53.23
5803.15	9.50	16.40	-8.90	2.00	-44.33	-53.23
5803.20	9.50	16.40	-8.90	2.00	-44.33	-53.23
5803.25	8.24	16.40	-10.16	2.00	-43.17	-53.33
5803.30	8.47	16.40	-9.93	2.00	-43.50	-53.43
5803.35	8.04	16.40	-10.36	2.00	-43.17	-53.53
5803.40	7.04	16.40	-11.36	2.00	-42.17	-53.53
5803.45	7.37	16.40	-11.03	2.00	-42.50	-53.53
5803.50	6.44	16.40	-11.96	2.00	-41.67	-53.63
5803.55	6.27	16.40	-12.13	2.00	-41.50	-53.63
5803.60	6.27	16.40	-12.13	2.00	-41.50	-53.63
5803.65	5.94	16.40	-12.46	2.00	-41.17	-53.63
5803.70	8.77	16.40	-9.63	2.00	-41.00	-50.63
5803.75	7.57	16.40	-10.83	2.00	-42.00	-52.83
5803.80	6.54	16.40	-11.86	2.00	-41.17	-53.03
5803.85	6.87	16.40	-11.53	2.00	-41.50	-53.03
5803.90	6.94	16.40	-11.46	2.00	-41.67	-53.13
5803.95	7.00	16.40	-11.40	2.00	-41.83	-53.23
5804.00	7.14	16.40	-11.26	2.00	-42.17	-53.43
5804.05	7.20	16.40	-11.20	2.00	-42.33	-53.53
5804.10	7.70	16.40	-10.70	2.00	-42.83	-53.53
5804.15	8.44	16.40	-9.96	2.00	-43.67	-53.63
5804.20	8.17	16.40	-10.23	2.00	-43.50	-53.73
5804.25	8.57	16.40	-9.83	2.00	-44.00	-53.83
5804.30	9.24	16.40	-9.16	2.00	-44.67	-53.83
5804.35	9.24	16.40	-9.16	2.00	-44.67	-53.83
5804.40	10.07	16.40	-8.33	2.00	-45.50	-53.83
5804.45	10.07	16.40	-8.33	2.00	-45.50	-53.83
5804.50	10.34	16.40	-8.06	2.00	-45.67	-53.73
5804.55	10.77	16.40	-7.63	2.00	-46.00	-53.63

5804.60	10.94	16.40	-7.46	2.00	-46.17	-53.63
5804.65	10.94	16.40	-7.46	2.00	-46.17	-53.63
5804.70	11.10	16.40	-7.30	2.00	-46.33	-53.63
5804.75	10.60	16.40	-7.80	2.00	-45.83	-53.63
5804.80	10.77	16.40	-7.63	2.00	-46.00	-53.63
5804.85	10.50	16.40	-7.90	2.00	-45.83	-53.73
5804.90	10.74	16.40	-7.66	2.00	-46.17	-53.83
5804.95	10.74	16.40	-7.66	2.00	-46.17	-53.83
5805.00	10.64	16.40	-7.76	2.00	-46.17	-53.93
5805.05	10.54	16.40	-7.86	2.00	-46.17	-54.03
5805.10	10.20	16.40	-8.20	2.00	-45.83	-54.03
5805.15	10.37	16.40	-8.03	2.00	-46.00	-54.03
5805.20	10.37	16.40	-8.03	2.00	-46.00	-54.03
5805.25	10.20	16.40	-8.20	2.00	-45.83	-54.03
5805.30	10.20	16.40	-8.20	2.00	-45.83	-54.03
5805.35	10.64	16.40	-7.76	2.00	-46.17	-53.93
5805.40	10.47	16.40	-7.93	2.00	-46.00	-53.93
5805.45	10.64	16.40	-7.76	2.00	-46.17	-53.93
5805.50	10.47	16.40	-7.93	2.00	-46.00	-53.93
5805.55	10.64	16.40	-7.76	2.00	-46.17	-53.93
5805.60	10.54	16.40	-7.86	2.00	-46.17	-54.03
5805.65	10.70	16.40	-7.70	2.00	-46.33	-54.03
5805.70	10.87	16.40	-7.53	2.00	-46.50	-54.03
5805.75	10.67	16.40	-7.73	2.00	-46.50	-54.23
5805.80	10.84	16.40	-7.56	2.00	-46.67	-54.23
5805.85	10.84	16.40	-7.56	2.00	-46.67	-54.23
5805.90	11.17	16.40	-7.23	2.00	-47.00	-54.23
5805.95	10.84	16.40	-7.56	2.00	-46.67	-54.23
5806.00	11.70	16.40	-6.70	2.00	-47.33	-54.03
5806.05	11.37	16.40	-7.03	2.00	-47.00	-54.03
5806.10	11.87	16.40	-6.53	2.00	-47.50	-54.03
5806.15	11.70	16.40	-6.70	2.00	-47.33	-54.03
5806.20	11.70	16.40	-6.70	2.00	-47.33	-54.03
5806.25	11.64	16.40	-6.76	2.00	-47.17	-53.93
5806.30	11.80	16.40	-6.60	2.00	-47.33	-53.93
5806.35	11.70	16.40	-6.70	2.00	-47.33	-54.03
5806.40	11.77	16.40	-6.63	2.00	-47.50	-54.13
5806.45	11.67	16.40	-6.73	2.00	-47.50	-54.23
5806.50	11.84	16.40	-6.56	2.00	-47.67	-54.23
5806.55	12.00	16.40	-6.40	2.00	-47.83	-54.23
5806.60	11.57	16.40	-6.83	2.00	-47.50	-54.33
5806.65	11.74	16.40	-6.66	2.00	-47.67	-54.33
5806.70	11.74	16.40	-6.66	2.00	-47.67	-54.33
5806.75	12.00	16.40	-6.40	2.00	-47.83	-54.23
5806.80	12.00	16.40	-6.40	2.00	-47.83	-54.23
5806.85	12.17	16.40	-6.23	2.00	-48.00	-54.23
5806.90	12.17	16.40	-6.23	2.00	-48.00	-54.23

5806.95	11.77	16.40	-6.63	2.00	-47.50	-54.13
5807.00	12.44	16.40	-5.96	2.00	-48.17	-54.13
5807.05	12.27	16.40	-6.13	2.00	-48.00	-54.13
5807.10	12.00	16.40	-6.40	2.00	-47.83	-54.23
5807.15	12.50	16.40	-5.90	2.00	-48.33	-54.23
5807.20	12.40	16.40	-6.00	2.00	-48.33	-54.33
5807.25	12.40	16.40	-6.00	2.00	-48.33	-54.33
5807.30	12.40	16.40	-6.00	2.00	-48.33	-54.33
5807.35	12.30	16.40	-6.10	2.00	-48.33	-54.43
5807.40	12.30	16.40	-6.10	2.00	-48.33	-54.43
5807.45	12.40	16.40	-6.00	2.00	-48.33	-54.33
5807.50	12.40	16.40	-6.00	2.00	-48.33	-54.33
5807.55	12.24	16.40	-6.16	2.00	-48.17	-54.33
5807.60	12.34	16.40	-6.06	2.00	-48.17	-54.23
5807.65	12.67	16.40	-5.73	2.00	-48.50	-54.23
5807.70	12.57	16.40	-5.83	2.00	-48.50	-54.33
5807.75	12.84	16.40	-5.56	2.00	-48.67	-54.23
5807.80	12.84	16.40	-5.56	2.00	-48.67	-54.23
5807.85	13.07	16.40	-5.33	2.00	-49.00	-54.33
5807.90	13.24	16.40	-5.16	2.00	-49.17	-54.33
5807.95	12.90	16.40	-5.50	2.00	-48.83	-54.33
5808.00	12.90	16.40	-5.50	2.00	-48.83	-54.33
5808.05	13.07	16.40	-5.33	2.00	-49.00	-54.33
5808.10	12.97	16.40	-5.43	2.00	-49.00	-54.43
5808.15	12.97	16.40	-5.43	2.00	-49.00	-54.43
5808.20	13.04	16.40	-5.36	2.00	-49.17	-54.53
5808.25	13.37	16.40	-5.03	2.00	-49.50	-54.53
5808.30	13.47	16.40	-4.93	2.00	-49.50	-54.43
5808.35	13.47	16.40	-4.93	2.00	-49.50	-54.43
5808.40	14.00	16.40	-4.40	2.00	-49.83	-54.23
5808.45	14.17	16.40	-4.23	2.00	-50.00	-54.23
5808.50	14.17	16.40	-4.23	2.00	-50.00	-54.23
5808.55	14.50	16.40	-3.90	2.00	-50.33	-54.23
5808.60	14.67	16.40	-3.73	2.00	-50.50	-54.23
5808.65	14.84	16.40	-3.56	2.00	-50.67	-54.23
5808.70	14.74	16.40	-3.66	2.00	-50.67	-54.33
5808.75	14.64	16.40	-3.76	2.00	-50.67	-54.43
5808.80	14.80	16.40	-3.60	2.00	-50.83	-54.43
5808.85	14.64	16.40	-3.76	2.00	-50.67	-54.43
5808.90	14.80	16.40	-3.60	2.00	-50.83	-54.43
5808.95	14.97	16.40	-3.43	2.00	-51.00	-54.43
5809.00	14.97	16.40	-3.43	2.00	-51.00	-54.43
5809.05	14.80	16.40	-3.60	2.00	-50.83	-54.43
5809.10	15.24	16.40	-3.16	2.00	-51.17	-54.33
5809.15	15.40	16.40	-3.00	2.00	-51.33	-54.33
5809.20	15.57	16.40	-2.83	2.00	-51.50	-54.33
5809.25	15.84	16.40	-2.56	2.00	-51.67	-54.23

5809.30	16.00	16.40	-2.40	2.00	-51.83	-54.23
5809.35	15.84	16.40	-2.56	2.00	-51.67	-54.23
5809.40	16.17	16.40	-2.23	2.00	-52.00	-54.23
5809.45	16.17	16.40	-2.23	2.00	-52.00	-54.23
5809.50	16.34	16.40	-2.06	2.00	-52.17	-54.23
5809.55	16.67	16.40	-1.73	2.00	-52.50	-54.23
5809.60	16.57	16.40	-1.83	2.00	-52.50	-54.33
5809.65	16.57	16.40	-1.83	2.00	-52.50	-54.33
5809.70	16.30	16.40	-2.10	2.00	-52.33	-54.43
5809.75	16.47	16.40	-1.93	2.00	-52.50	-54.43
5809.80	16.64	16.40	-1.76	2.00	-52.67	-54.43
5809.85	16.80	16.40	-1.60	2.00	-52.83	-54.43
5809.90	17.07	16.40	-1.33	2.00	-53.00	-54.33
5809.95	17.07	16.40	-1.33	2.00	-53.00	-54.33
5810.00	17.24	16.40	-1.16	2.00	-53.17	-54.33
5810.05	17.57	16.40	-0.83	2.00	-53.50	-54.33
5810.10	17.94	16.40	-0.46	2.00	-53.67	-54.13
5810.15	17.94	16.40	-0.46	2.00	-53.67	-54.13
5810.20	18.10	16.40	-0.30	2.00	-53.83	-54.13
5810.25	18.44	16.40	0.04	2.00	-54.17	-54.13
5810.30	18.10	16.40	-0.30	2.00	-53.83	-54.13
5810.35	18.00	16.40	-0.40	2.00	-53.83	-54.23
5810.40	18.24	16.40	-0.16	2.00	-54.17	-54.33
5810.45	18.24	16.40	-0.16	2.00	-54.17	-54.33
5810.50	18.07	16.40	-0.33	2.00	-54.00	-54.33
5810.55	18.40	16.40	0.00	2.00	-54.33	-54.33
5810.60	18.57	16.40	0.17	2.00	-54.50	-54.33
5810.65	18.74	16.40	0.34	2.00	-54.67	-54.33
5810.70	18.90	16.40	0.50	2.00	-54.83	-54.33
5810.75	18.90	16.40	0.50	2.00	-54.83	-54.33
5810.80	19.07	16.40	0.67	2.00	-55.00	-54.33
5810.85	19.27	16.40	0.87	2.00	-55.00	-54.13
5810.90	19.94	16.40	1.54	2.00	-55.67	-54.13
5810.95	19.67	16.40	1.27	2.00	-55.50	-54.23
5811.00	20.17	16.40	1.77	2.00	-56.00	-54.23
5811.05	20.00	16.40	1.60	2.00	-55.83	-54.23
5811.10	20.50	16.40	2.10	2.00	-56.33	-54.23
5811.15	20.50	16.40	2.10	2.00	-56.33	-54.23
5811.20	20.34	16.40	1.94	2.00	-56.17	-54.23
5811.25	20.84	16.40	2.44	2.00	-56.67	-54.23
5811.30	21.00	16.40	2.60	2.00	-56.83	-54.23
5811.35	21.17	16.40	2.77	2.00	-57.00	-54.23
5811.40	21.07	16.40	2.67	2.00	-57.00	-54.33
5811.45	21.34	16.40	2.94	2.00	-57.17	-54.23
5811.50	21.50	16.40	3.10	2.00	-57.33	-54.23
5811.55	21.77	16.40	3.37	2.00	-57.50	-54.13
5811.60	21.87	16.40	3.47	2.00	-57.50	-54.03

5811.65	22.04	16.40	3.64	2.00	-57.67	-54.03
5811.70	22.37	16.40	3.97	2.00	-58.00	-54.03
5811.75	22.64	16.40	4.24	2.00	-58.17	-53.93
5811.80	23.07	16.40	4.67	2.00	-58.50	-53.83
5811.85	23.24	16.40	4.84	2.00	-58.67	-53.83
5811.90	23.24	16.40	4.84	2.00	-58.67	-53.83
5811.95	23.90	16.40	5.50	2.00	-59.33	-53.83
5812.00	23.20	16.40	4.80	2.00	-58.83	-54.03
5812.05	24.14	16.40	5.74	2.00	-59.67	-53.93
5812.10	24.14	16.40	5.74	2.00	-59.67	-53.93
5812.15	24.40	16.40	6.00	2.00	-59.83	-53.83
5812.20	24.40	16.40	6.00	2.00	-59.83	-53.83
5812.25	24.90	16.40	6.50	2.00	-60.33	-53.83
5812.30	25.17	16.40	6.77	2.00	-60.50	-53.73
5812.35	25.60	16.40	7.20	2.00	-60.83	-53.63
5812.40	25.94	16.40	7.54	2.00	-61.17	-53.63
5812.45	25.77	16.40	7.37	2.00	-61.00	-53.63
5812.50	26.10	16.40	7.70	2.00	-61.33	-53.63

**20th
percentile 11.17**

11Mbps CCK Processing Gain - 5840MHz Channel						
Gp = (S/N)o + Mj + Lsys						
Frequency	Gp	(S/N)o	Mj = J/S	Lsys	S (Tx Power)	J (Jammer Power)
(MHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(dBm)
5831.50	22.63	16.40	4.23	2.00	-55.33	-51.10
5831.55	22.70	16.40	4.30	2.00	-55.50	-51.20
5831.60	22.33	16.40	3.93	2.00	-55.33	-51.40
5831.65	22.07	16.40	3.67	2.00	-55.17	-51.50
5831.70	21.80	16.40	3.40	2.00	-55.00	-51.60
5831.75	21.80	16.40	3.40	2.00	-55.00	-51.60
5831.80	21.80	16.40	3.40	2.00	-55.00	-51.60
5831.85	21.40	16.40	3.00	2.00	-54.50	-51.50
5831.90	21.57	16.40	3.17	2.00	-54.67	-51.50
5831.95	21.47	16.40	3.07	2.00	-54.17	-51.10
5832.00	21.30	16.40	2.90	2.00	-54.00	-51.10
5832.05	20.97	16.40	2.57	2.00	-53.67	-51.10
5832.10	20.73	16.40	2.33	2.00	-53.33	-51.00
5832.15	20.73	16.40	2.33	2.00	-53.33	-51.00
5832.20	20.40	16.40	2.00	2.00	-53.00	-51.00
5832.25	20.30	16.40	1.90	2.00	-53.00	-51.10
5832.30	19.77	16.40	1.37	2.00	-52.67	-51.30
5832.35	19.50	16.40	1.10	2.00	-52.50	-51.40
5832.40	19.23	16.40	0.83	2.00	-52.33	-51.50
5832.45	19.07	16.40	0.67	2.00	-52.17	-51.50
5832.50	19.07	16.40	0.67	2.00	-52.17	-51.50
5832.55	18.70	16.40	0.30	2.00	-52.00	-51.70
5832.60	19.13	16.40	0.73	2.00	-52.33	-51.60
5832.65	18.97	16.40	0.57	2.00	-52.17	-51.60
5832.70	18.80	16.40	0.40	2.00	-52.00	-51.60
5832.75	18.57	16.40	0.17	2.00	-51.67	-51.50
5832.80	18.63	16.40	0.23	2.00	-51.33	-51.10
5832.85	18.80	16.40	0.40	2.00	-51.50	-51.10
5832.90	18.47	16.40	0.07	2.00	-51.17	-51.10
5832.95	18.13	16.40	-0.27	2.00	-50.83	-51.10
5833.00	17.77	16.40	-0.63	2.00	-50.67	-51.30
5833.05	17.40	16.40	-1.00	2.00	-50.50	-51.50
5833.10	17.40	16.40	-1.00	2.00	-50.50	-51.50
5833.15	17.20	16.40	-1.20	2.00	-50.50	-51.70
5833.20	17.20	16.40	-1.20	2.00	-50.50	-51.70
5833.25	17.10	16.40	-1.30	2.00	-50.50	-51.80
5833.30	16.83	16.40	-1.57	2.00	-50.33	-51.90
5833.35	17.00	16.40	-1.40	2.00	-50.50	-51.90
5833.40	17.00	16.40	-1.40	2.00	-50.50	-51.90
5833.45	17.00	16.40	-1.40	2.00	-50.50	-51.90
5833.50	17.00	16.40	-1.40	2.00	-50.00	-51.40
5833.55	17.00	16.40	-1.40	2.00	-50.00	-51.40

5833.60	16.67	16.40	-1.73	2.00	-49.67	-51.40
5833.65	16.97	16.40	-1.43	2.00	-49.67	-51.10
5833.70	16.70	16.40	-1.70	2.00	-49.50	-51.20
5833.75	16.70	16.40	-1.70	2.00	-49.50	-51.20
5833.80	16.33	16.40	-2.07	2.00	-49.33	-51.40
5833.85	16.23	16.40	-2.17	2.00	-49.33	-51.50
5833.90	16.13	16.40	-2.27	2.00	-49.33	-51.60
5833.95	16.03	16.40	-2.37	2.00	-49.33	-51.70
5834.00	15.33	16.40	-3.07	2.00	-48.83	-51.90
5834.05	15.67	16.40	-2.73	2.00	-49.17	-51.90
5834.10	15.33	16.40	-3.07	2.00	-48.83	-51.90
5834.15	15.33	16.40	-3.07	2.00	-48.83	-51.90
5834.20	15.10	16.40	-3.30	2.00	-48.50	-51.80
5834.25	15.67	16.40	-2.73	2.00	-48.67	-51.40
5834.30	15.40	16.40	-3.00	2.00	-48.50	-51.50
5834.35	15.40	16.40	-3.00	2.00	-48.50	-51.50
5834.40	15.57	16.40	-2.83	2.00	-48.67	-51.50
5834.45	15.33	16.40	-3.07	2.00	-48.33	-51.40
5834.50	15.17	16.40	-3.23	2.00	-48.17	-51.40
5834.55	15.07	16.40	-3.33	2.00	-48.17	-51.50
5834.60	14.47	16.40	-3.93	2.00	-47.67	-51.60
5834.65	14.43	16.40	-3.97	2.00	-47.83	-51.80
5834.70	14.43	16.40	-3.97	2.00	-47.83	-51.80
5834.75	14.27	16.40	-4.13	2.00	-47.67	-51.80
5834.80	14.23	16.40	-4.17	2.00	-47.83	-52.00
5834.85	13.73	16.40	-4.67	2.00	-47.33	-52.00
5834.90	13.90	16.40	-4.50	2.00	-47.50	-52.00
5834.95	13.40	16.40	-5.00	2.00	-47.00	-52.00
5835.00	14.03	16.40	-4.37	2.00	-47.33	-51.70
5835.05	14.03	16.40	-4.37	2.00	-47.33	-51.70
5835.10	13.63	16.40	-4.77	2.00	-46.83	-51.60
5835.15	13.97	16.40	-4.43	2.00	-47.17	-51.60
5835.20	13.90	16.40	-4.50	2.00	-47.00	-51.50
5835.25	13.47	16.40	-4.93	2.00	-46.67	-51.60
5835.30	13.30	16.40	-5.10	2.00	-46.50	-51.60
5835.35	13.27	16.40	-5.13	2.00	-46.67	-51.80
5835.40	13.10	16.40	-5.30	2.00	-46.50	-51.80
5835.45	12.83	16.40	-5.57	2.00	-46.33	-51.90
5835.50	12.83	16.40	-5.57	2.00	-46.33	-51.90
5835.55	12.73	16.40	-5.67	2.00	-46.33	-52.00
5835.60	12.90	16.40	-5.50	2.00	-46.50	-52.00
5835.65	12.73	16.40	-5.67	2.00	-46.33	-52.00
5835.70	12.73	16.40	-5.67	2.00	-46.33	-52.00
5835.75	12.40	16.40	-6.00	2.00	-46.00	-52.00
5835.80	12.67	16.40	-5.73	2.00	-46.17	-51.90
5835.85	12.80	16.40	-5.60	2.00	-46.00	-51.60
5835.90	12.80	16.40	-5.60	2.00	-46.00	-51.60

5835.95	12.63	16.40	-5.77	2.00	-45.83	-51.60
5836.00	12.53	16.40	-5.87	2.00	-45.83	-51.70
5836.05	12.53	16.40	-5.87	2.00	-45.83	-51.70
5836.10	12.43	16.40	-5.97	2.00	-45.83	-51.80
5836.15	12.43	16.40	-5.97	2.00	-45.83	-51.80
5836.20	12.00	16.40	-6.40	2.00	-45.50	-51.90
5836.25	12.00	16.40	-6.40	2.00	-45.50	-51.90
5836.30	11.80	16.40	-6.60	2.00	-45.50	-52.10
5836.35	11.63	16.40	-6.77	2.00	-45.33	-52.10
5836.40	11.63	16.40	-6.77	2.00	-45.33	-52.10
5836.45	11.63	16.40	-6.77	2.00	-45.33	-52.10
5836.50	11.47	16.40	-6.93	2.00	-45.17	-52.10
5836.55	11.57	16.40	-6.83	2.00	-45.17	-52.00
5836.60	11.83	16.40	-6.57	2.00	-45.33	-51.90
5836.65	11.87	16.40	-6.53	2.00	-45.17	-51.70
5836.70	11.80	16.40	-6.60	2.00	-45.00	-51.60
5836.75	12.13	16.40	-6.27	2.00	-45.33	-51.60
5836.80	11.80	16.40	-6.60	2.00	-45.00	-51.60
5836.85	11.43	16.40	-6.97	2.00	-44.83	-51.80
5836.90	11.43	16.40	-6.97	2.00	-44.83	-51.80
5836.95	11.60	16.40	-6.80	2.00	-45.00	-51.80
5837.00	11.40	16.40	-7.00	2.00	-45.00	-52.00
5837.05	11.23	16.40	-7.17	2.00	-44.83	-52.00
5837.10	11.23	16.40	-7.17	2.00	-44.83	-52.00
5837.15	11.23	16.40	-7.17	2.00	-44.83	-52.00
5837.20	11.13	16.40	-7.27	2.00	-44.83	-52.10
5837.25	10.97	16.40	-7.43	2.00	-44.67	-52.10
5837.30	10.80	16.40	-7.60	2.00	-44.50	-52.10
5837.35	10.90	16.40	-7.50	2.00	-44.50	-52.00
5837.40	10.90	16.40	-7.50	2.00	-44.50	-52.00
5837.45	10.93	16.40	-7.47	2.00	-44.33	-51.80
5837.50	10.93	16.40	-7.47	2.00	-44.33	-51.80
5837.55	11.10	16.40	-7.30	2.00	-44.50	-51.80
5837.60	11.10	16.40	-7.30	2.00	-44.50	-51.80
5837.65	10.93	16.40	-7.47	2.00	-44.33	-51.80
5837.70	10.77	16.40	-7.63	2.00	-44.17	-51.80
5837.75	10.40	16.40	-8.00	2.00	-44.00	-52.00
5837.80	10.30	16.40	-8.10	2.00	-44.00	-52.10
5837.85	10.13	16.40	-8.27	2.00	-43.83	-52.10
5837.90	10.30	16.40	-8.10	2.00	-44.00	-52.10
5837.95	10.30	16.40	-8.10	2.00	-44.00	-52.10
5838.00	10.07	16.40	-8.33	2.00	-43.67	-52.00
5838.05	10.40	16.40	-8.00	2.00	-44.00	-52.00
5838.10	10.57	16.40	-7.83	2.00	-44.17	-52.00
5838.15	10.70	16.40	-7.70	2.00	-44.00	-51.70
5838.20	10.53	16.40	-7.87	2.00	-43.83	-51.70
5838.25	10.37	16.40	-8.03	2.00	-43.67	-51.70

5838.30	10.37	16.40	-8.03	2.00	-43.67	-51.70
5838.35	10.37	16.40	-8.03	2.00	-43.67	-51.70
5838.40	10.53	16.40	-7.87	2.00	-43.83	-51.70
5838.45	10.37	16.40	-8.03	2.00	-43.67	-51.70
5838.50	10.00	16.40	-8.40	2.00	-43.50	-51.90
5838.55	10.07	16.40	-8.33	2.00	-43.67	-52.00
5838.60	9.80	16.40	-8.60	2.00	-43.50	-52.10
5838.65	9.73	16.40	-8.67	2.00	-43.33	-52.00
5838.70	9.73	16.40	-8.67	2.00	-43.33	-52.00
5838.75	9.73	16.40	-8.67	2.00	-43.33	-52.00
5838.80	9.73	16.40	-8.67	2.00	-43.33	-52.00
5838.85	9.90	16.40	-8.50	2.00	-43.50	-52.00
5838.90	10.00	16.40	-8.40	2.00	-43.50	-51.90
5838.95	10.00	16.40	-8.40	2.00	-43.50	-51.90
5839.00	9.93	16.40	-8.47	2.00	-43.33	-51.80
5839.05	9.77	16.40	-8.63	2.00	-43.17	-51.80
5839.10	8.77	16.40	-9.63	2.00	-42.17	-51.80
5839.15	8.60	16.40	-9.80	2.00	-42.00	-51.80
5839.20	7.93	16.40	-10.47	2.00	-41.33	-51.80
5839.25	8.33	16.40	-10.07	2.00	-41.83	-51.90
5839.30	8.17	16.40	-10.23	2.00	-41.67	-51.90
5839.35	6.83	16.40	-11.57	2.00	-40.33	-51.90
5839.40	6.33	16.40	-12.07	2.00	-39.83	-51.90
5839.45	6.57	16.40	-11.83	2.00	-40.17	-52.00
5839.50	6.57	16.40	-11.83	2.00	-40.17	-52.00
5839.55	6.23	16.40	-12.17	2.00	-39.83	-52.00
5839.60	6.43	16.40	-11.97	2.00	-39.83	-51.80
5839.65	5.93	16.40	-12.47	2.00	-39.33	-51.80
5839.70	9.20	16.40	-9.20	2.00	-40.00	-49.20
5839.75	7.20	16.40	-11.20	2.00	-40.00	-51.20
5839.80	6.23	16.40	-12.17	2.00	-39.33	-51.50
5839.85	6.47	16.40	-11.93	2.00	-39.67	-51.60
5839.90	6.30	16.40	-12.10	2.00	-39.50	-51.60
5839.95	6.70	16.40	-11.70	2.00	-40.00	-51.70
5840.00	7.03	16.40	-11.37	2.00	-40.33	-51.70
5840.05	7.43	16.40	-10.97	2.00	-40.83	-51.80
5840.10	7.93	16.40	-10.47	2.00	-41.33	-51.80
5840.15	8.10	16.40	-10.30	2.00	-41.50	-51.80
5840.20	8.50	16.40	-9.90	2.00	-42.00	-51.90
5840.25	8.33	16.40	-10.07	2.00	-41.83	-51.90
5840.30	8.83	16.40	-9.57	2.00	-42.33	-51.90
5840.35	9.17	16.40	-9.23	2.00	-42.67	-51.90
5840.40	9.67	16.40	-8.73	2.00	-43.17	-51.90
5840.45	10.10	16.40	-8.30	2.00	-43.50	-51.80
5840.50	10.27	16.40	-8.13	2.00	-43.67	-51.80
5840.55	10.63	16.40	-7.77	2.00	-43.83	-51.60
5840.60	10.80	16.40	-7.60	2.00	-44.00	-51.60

5840.65	11.07	16.40	-7.33	2.00	-44.17	-51.50
5840.70	10.73	16.40	-7.67	2.00	-43.83	-51.50
5840.75	10.90	16.40	-7.50	2.00	-44.00	-51.50
5840.80	10.57	16.40	-7.83	2.00	-43.67	-51.50
5840.85	10.53	16.40	-7.87	2.00	-43.83	-51.70
5840.90	10.70	16.40	-7.70	2.00	-44.00	-51.70
5840.95	10.70	16.40	-7.70	2.00	-44.00	-51.70
5841.00	10.53	16.40	-7.87	2.00	-43.83	-51.70
5841.05	9.93	16.40	-8.47	2.00	-43.33	-51.80
5841.10	10.27	16.40	-8.13	2.00	-43.67	-51.80
5841.15	9.87	16.40	-8.53	2.00	-43.17	-51.70
5841.20	10.20	16.40	-8.20	2.00	-43.50	-51.70
5841.25	10.30	16.40	-8.10	2.00	-43.50	-51.60
5841.30	10.30	16.40	-8.10	2.00	-43.50	-51.60
5841.35	10.30	16.40	-8.10	2.00	-43.50	-51.60
5841.40	10.40	16.40	-8.00	2.00	-43.50	-51.50
5841.45	10.57	16.40	-7.83	2.00	-43.67	-51.50
5841.50	10.73	16.40	-7.67	2.00	-43.83	-51.50
5841.55	10.63	16.40	-7.77	2.00	-43.83	-51.60
5841.60	10.80	16.40	-7.60	2.00	-44.00	-51.60
5841.65	10.77	16.40	-7.63	2.00	-44.17	-51.80
5841.70	10.77	16.40	-7.63	2.00	-44.17	-51.80
5841.75	10.93	16.40	-7.47	2.00	-44.33	-51.80
5841.80	10.60	16.40	-7.80	2.00	-44.00	-51.80
5841.85	10.67	16.40	-7.73	2.00	-44.17	-51.90
5841.90	10.83	16.40	-7.57	2.00	-44.33	-51.90
5841.95	10.83	16.40	-7.57	2.00	-44.33	-51.90
5842.00	11.27	16.40	-7.13	2.00	-44.67	-51.80
5842.05	11.03	16.40	-7.37	2.00	-44.33	-51.70
5842.10	11.20	16.40	-7.20	2.00	-44.50	-51.70
5842.15	11.37	16.40	-7.03	2.00	-44.67	-51.70
5842.20	11.37	16.40	-7.03	2.00	-44.67	-51.70
5842.25	11.20	16.40	-7.20	2.00	-44.50	-51.70
5842.30	11.47	16.40	-6.93	2.00	-44.67	-51.60
5842.35	11.20	16.40	-7.20	2.00	-44.50	-51.70
5842.40	11.37	16.40	-7.03	2.00	-44.67	-51.70
5842.45	11.10	16.40	-7.30	2.00	-44.50	-51.80
5842.50	11.43	16.40	-6.97	2.00	-44.83	-51.80
5842.55	11.27	16.40	-7.13	2.00	-44.67	-51.80
5842.60	11.27	16.40	-7.13	2.00	-44.67	-51.80
5842.65	11.27	16.40	-7.13	2.00	-44.67	-51.80
5842.70	11.20	16.40	-7.20	2.00	-44.50	-51.70
5842.75	11.37	16.40	-7.03	2.00	-44.67	-51.70
5842.80	11.53	16.40	-6.87	2.00	-44.83	-51.70
5842.85	11.53	16.40	-6.87	2.00	-44.83	-51.70
5842.90	11.87	16.40	-6.53	2.00	-45.17	-51.70
5842.95	12.13	16.40	-6.27	2.00	-45.33	-51.60

5843.00	12.13	16.40	-6.27	2.00	-45.33	-51.60
5843.05	12.13	16.40	-6.27	2.00	-45.33	-51.60
5843.10	12.20	16.40	-6.20	2.00	-45.50	-51.70
5843.15	12.20	16.40	-6.20	2.00	-45.50	-51.70
5843.20	12.13	16.40	-6.27	2.00	-45.33	-51.60
5843.25	12.03	16.40	-6.37	2.00	-45.33	-51.70
5843.30	11.43	16.40	-6.97	2.00	-44.83	-51.80
5843.35	11.83	16.40	-6.57	2.00	-45.33	-51.90
5843.40	11.77	16.40	-6.63	2.00	-45.17	-51.80
5843.45	11.93	16.40	-6.47	2.00	-45.33	-51.80
5843.50	11.97	16.40	-6.43	2.00	-45.17	-51.60
5843.55	11.97	16.40	-6.43	2.00	-45.17	-51.60
5843.60	11.97	16.40	-6.43	2.00	-45.17	-51.60
5843.65	12.30	16.40	-6.10	2.00	-45.50	-51.60
5843.70	12.30	16.40	-6.10	2.00	-45.50	-51.60
5843.75	12.47	16.40	-5.93	2.00	-45.67	-51.60
5843.80	12.47	16.40	-5.93	2.00	-45.67	-51.60
5843.85	12.90	16.40	-5.50	2.00	-46.00	-51.50
5843.90	12.73	16.40	-5.67	2.00	-45.83	-51.50
5843.95	12.77	16.40	-5.63	2.00	-46.17	-51.80
5844.00	12.60	16.40	-5.80	2.00	-46.00	-51.80
5844.05	12.60	16.40	-5.80	2.00	-46.00	-51.80
5844.10	12.60	16.40	-5.80	2.00	-46.00	-51.80
5844.15	12.60	16.40	-5.80	2.00	-46.00	-51.80
5844.20	12.67	16.40	-5.73	2.00	-46.17	-51.90
5844.25	12.67	16.40	-5.73	2.00	-46.17	-51.90
5844.30	12.87	16.40	-5.53	2.00	-46.17	-51.70
5844.35	13.20	16.40	-5.20	2.00	-46.50	-51.70
5844.40	13.37	16.40	-5.03	2.00	-46.67	-51.70
5844.45	13.57	16.40	-4.83	2.00	-46.67	-51.50
5844.50	13.80	16.40	-4.60	2.00	-47.00	-51.60
5844.55	13.97	16.40	-4.43	2.00	-47.17	-51.60
5844.60	14.23	16.40	-4.17	2.00	-47.33	-51.50
5844.65	14.23	16.40	-4.17	2.00	-47.33	-51.50
5844.70	14.20	16.40	-4.20	2.00	-47.50	-51.70
5844.75	14.03	16.40	-4.37	2.00	-47.33	-51.70
5844.80	14.20	16.40	-4.20	2.00	-47.50	-51.70
5844.85	14.03	16.40	-4.37	2.00	-47.33	-51.70
5844.90	14.20	16.40	-4.20	2.00	-47.50	-51.70
5844.95	14.20	16.40	-4.20	2.00	-47.50	-51.70
5845.00	14.20	16.40	-4.20	2.00	-47.50	-51.70
5845.05	14.37	16.40	-4.03	2.00	-47.67	-51.70
5845.10	14.80	16.40	-3.60	2.00	-48.00	-51.60
5845.15	14.63	16.40	-3.77	2.00	-47.83	-51.60
5845.20	14.97	16.40	-3.43	2.00	-48.17	-51.60
5845.25	14.63	16.40	-3.77	2.00	-47.83	-51.60
5845.30	15.13	16.40	-3.27	2.00	-48.33	-51.60

5845.35	15.13	16.40	-3.27	2.00	-48.33	-51.60
5845.40	15.33	16.40	-3.07	2.00	-48.33	-51.40
5845.45	15.33	16.40	-3.07	2.00	-48.33	-51.40
5845.50	15.50	16.40	-2.90	2.00	-48.50	-51.40
5845.55	15.80	16.40	-2.60	2.00	-49.00	-51.60
5845.60	15.80	16.40	-2.60	2.00	-49.00	-51.60
5845.65	15.87	16.40	-2.53	2.00	-49.17	-51.70
5845.70	15.27	16.40	-3.13	2.00	-48.67	-51.80
5845.75	15.60	16.40	-2.80	2.00	-49.00	-51.80
5845.80	15.93	16.40	-2.47	2.00	-49.33	-51.80
5845.85	15.93	16.40	-2.47	2.00	-49.33	-51.80
5845.90	15.93	16.40	-2.47	2.00	-49.33	-51.80
5845.95	16.37	16.40	-2.03	2.00	-49.67	-51.70
5846.00	16.37	16.40	-2.03	2.00	-49.67	-51.70
5846.05	16.63	16.40	-1.77	2.00	-49.83	-51.60
5846.10	16.80	16.40	-1.60	2.00	-50.00	-51.60
5846.15	17.13	16.40	-1.27	2.00	-50.33	-51.60
5846.20	16.90	16.40	-1.50	2.00	-50.00	-51.50
5846.25	16.97	16.40	-1.43	2.00	-50.17	-51.60
5846.30	17.40	16.40	-1.00	2.00	-50.50	-51.50
5846.35	17.13	16.40	-1.27	2.00	-50.33	-51.60
5846.40	17.30	16.40	-1.10	2.00	-50.50	-51.60
5846.45	17.30	16.40	-1.10	2.00	-50.50	-51.60
5846.50	17.20	16.40	-1.20	2.00	-50.50	-51.70
5846.55	17.53	16.40	-0.87	2.00	-50.83	-51.70
5846.60	17.53	16.40	-0.87	2.00	-50.83	-51.70
5846.65	17.53	16.40	-0.87	2.00	-50.83	-51.70
5846.70	18.23	16.40	-0.17	2.00	-51.33	-51.50
5846.75	17.53	16.40	-0.87	2.00	-50.83	-51.70
5846.80	18.13	16.40	-0.27	2.00	-51.33	-51.60
5846.85	18.47	16.40	0.07	2.00	-51.67	-51.60
5846.90	18.63	16.40	0.23	2.00	-51.83	-51.60
5846.95	18.80	16.40	0.40	2.00	-52.00	-51.60
5847.00	19.23	16.40	0.83	2.00	-52.33	-51.50
5847.05	19.47	16.40	1.07	2.00	-52.67	-51.60
5847.10	19.30	16.40	0.90	2.00	-52.50	-51.60
5847.15	19.47	16.40	1.07	2.00	-52.67	-51.60
5847.20	19.53	16.40	1.13	2.00	-52.83	-51.70
5847.25	19.87	16.40	1.47	2.00	-53.17	-51.70
5847.30	19.70	16.40	1.30	2.00	-53.00	-51.70
5847.35	19.70	16.40	1.30	2.00	-53.00	-51.70
5847.40	19.93	16.40	1.53	2.00	-53.33	-51.80
5847.45	20.10	16.40	1.70	2.00	-53.50	-51.80
5847.50	20.37	16.40	1.97	2.00	-53.67	-51.70
5847.55	20.37	16.40	1.97	2.00	-53.67	-51.70
5847.60	20.90	16.40	2.50	2.00	-54.00	-51.50
5847.65	21.07	16.40	2.67	2.00	-54.17	-51.50

5847.70	21.40	16.40	3.00	2.00	-54.50	-51.50
5847.75	21.57	16.40	3.17	2.00	-54.67	-51.50
5847.80	21.73	16.40	3.33	2.00	-54.83	-51.50
5847.85	22.23	16.40	3.83	2.00	-55.33	-51.50
5847.90	22.40	16.40	4.00	2.00	-55.50	-51.50
5847.95	22.73	16.40	4.33	2.00	-55.83	-51.50
5848.00	22.57	16.40	4.17	2.00	-55.67	-51.50
5848.05	23.00	16.40	4.60	2.00	-56.00	-51.40
5848.10	23.33	16.40	4.93	2.00	-56.33	-51.40
5848.15	23.67	16.40	5.27	2.00	-56.67	-51.40
5848.20	23.83	16.40	5.43	2.00	-56.83	-51.40
5848.25	24.00	16.40	5.60	2.00	-57.00	-51.40
5848.30	24.17	16.40	5.77	2.00	-57.17	-51.40
5848.35	24.27	16.40	5.87	2.00	-57.17	-51.30
5848.40	24.43	16.40	6.03	2.00	-57.33	-51.30
5848.45	24.77	16.40	6.37	2.00	-57.67	-51.30
5848.50	24.93	16.40	6.53	2.00	-57.83	-51.30

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