



FCC processing Gain report for

-11Mbps at channel 1

-1, 2, 5.5 and 11 Mbps at channel 6

-11Mbps at channel 11

of

Description: 2.4 GHz WLAN USB device

FCC ID: OSZ36342U

Brand name: Intersil

Model number: ISL36342U

Testing for compliance with FCC rules 15-247e

Carl Andren
intersil Corporation
candren@intersil.com
321-724-7535

Scope

This report presents the test procedure, test configuration and test data associated with a FCC Part 15.247 (e) Jamming Margin test for the indirect measurement of processing gain.

Applicable Reference Documents.

1. "Operation within the bands 902-928 MHz, 2400-2483.5, and 5725-5850 MHz" *Title 47 Part 15 section 247 (e) Code of Federal Regulations. (47 CFR 15.247).*
2. "Report and Order: Amendment of Parts 2 and 15 of the Commission's Rules Regarding Spread Spectrum Transmitters. Appendix C: 'Guidance on Measurements for Direct Sequence Spread Spectrum Systems" *FCC 97-114. ET Docket No. 96-8, RM-8435, RM-8608, RM-8609.*
3. "HFA3863 Direct Sequence Spread Spectrum Baseband Processor
4. "M-ary Orthogonal Keying BER Curve",

Test Background and Procedure.

According to FCC regulations [1], a direct sequence spread spectrum system must have a processing gain, G_p of at least 10 dB. Compliance to this requirement can be shown by demonstrating a relative bit-error-ratio (BER) performance improvement (and corresponding signal to noise ratio per symbol improvement of at least 10 dB) between the case where spread spectrum processes (coding, modulation) are engaged relative to the processes being bypassed. In some practical systems, the spread spectrum processing cannot simply be bypassed. In these cases, the processing gain can be indirectly measured by a jamming margin test [2]. In accordance with the new NPRM 99-231, if the vendor has a system with less than 10 chips per symbol, the CW jamming results must be supported by a theoretical explanation of the system processing gain.

Theoretical calculations

The processing gain is related to the jamming margin as follows [2]:

$$G_p = \left(\frac{S}{N} \right)_{\text{output}} + \left(\frac{J}{S} \right) + L_{\text{system}}$$

Where $\text{BER}_{\text{REFERENCE}}$ is the reference bit error ratio with its corresponding, theoretical output signal to noise ratio per symbol, $(S/N)_{\text{output}}$, (J/S) is the jamming margin (jamming signal power relative to desired signal power), and L_{system} are the system implementation losses.

The maximum allowed total system implementation loss is 2 dB.

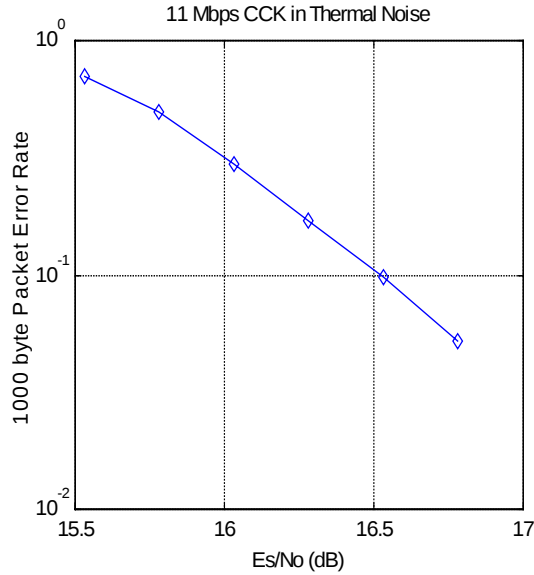
The HFA3863 direct sequence spread spectrum baseband processor uses CCK modulation which is a form of M-ary Orthogonal Keying. The BER performance curve is given by [5]:

“ The probability of error for generalized M-ary Orthogonal signaling using coherent demodulation is given by:

$$P_e = 1 - P_{c1} = 1 - \frac{1}{\sqrt{2\pi}} \int_{-\frac{S_{01}}{N_0}}^{\infty} \left[2(1 - Q\left\{ z + \sqrt{2 \frac{E_b}{\eta}} \right\}) \right]^{\frac{M}{2}-1} \exp\left\{ -\frac{z^2}{2} \right\} dz$$

This integral cannot be solved in closed form, and numerical integration must be used. This is done in a MATHCAD environment and is displayed in graphical format.

1.1 1000 byte PER vs. Es/No



The reference PER is specified as 8% . The corresponding Es/No (signal to noise ratio per symbol) is 16.4 dB. The Es/No required to achieve the desired BER with maximum system implementation losses is 18.4 dB. The minimum processing gain is again, 10 dB, therefore:

$$G_p = \left(\frac{E_s}{N_o} \right)_{\text{output}} + \left(\frac{J}{S} \right) + L_{\text{system}} = 16.4\text{dB} + 2.0\text{dB} + \left(\frac{J}{S} \right) \geq 10\text{dB}$$

$$G_p = 18.4\text{dB} + \left(\frac{J}{S} \right) \geq 10\text{dB}$$

The minimum jammer to signal ratio is as follows:

$$\left(\frac{J}{S} \right) \geq -8.4\text{dB}$$

For the case of the HFA3863, the bit rates are 1, 2, 5.5, and 11 Mbps. The corresponding symbol rates are 1, 1, 1.375, and 1.375 MSps. The chip rate is always 11 MCps, so the ratio of chip rate to symbol rate is 11:1 for the 1 and 2 Mbps rates and 8:1 for the 5.5 and 11 Mbps rates. Since the symbol rate to bit rate is less than 10 for the higher rates, we supply the theoretical processing gain calculation for these cases where both spread spectrum

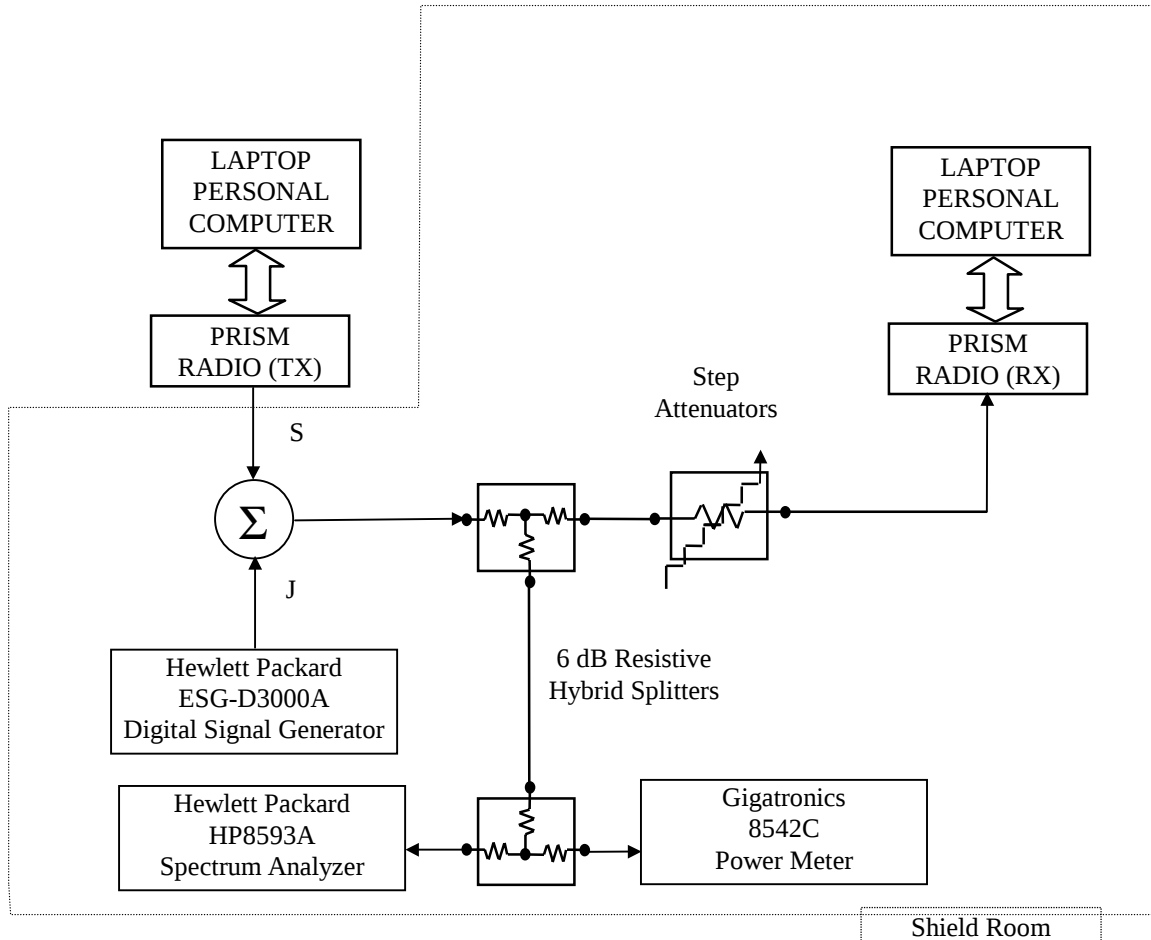
processing gain and coding gain are utilized. This is reasonable in that they cannot be separated in the demodulation process. If a separable FEC coding scheme were used, we would not be comfortable making this assertion.

As can be seen from the curve of figure 1, the E_s/N_0 is 16.4 dB at the PER of 8%. This PER can be related to a BER of $1e-5$ on 1000 byte packets. With 8 bits per symbol, the E_b/N_0 is then 7.4 dB or 9 dB less than the E_s/N_0 . It is well known that the E_b/N_0 of BPSK is 9.6 dB for $1e-5$ BER, so therefore the coding gain of CCK over BPSK is 2.2 dB. We add this to the processing gain of 9 dB to get 11.2 dB overall processing gain for the CW jammer test.

Taking the calculations above, if the $\left(\frac{J}{S}\right) \geq -8.4 \text{ dB}$ then the equipment passes the CW jamming test.

Test Configuration: CW Jamming Margin (15.247) (e)

Basic Test Block Diagram



Test Procedure

Obtain the simplex link shown. Perform all independent instrumentation calibrations prior to this procedure. Set operating power levels using fixed and variable attenuators in system to meet the following objectives:

1. Signal Power at receiver approximately -60 dBm (above thermal sensitivity such that thermal noise does not cause bit errors).
2. Signal Power at power meter between -20 and -30 dBm for optimal linearity.
3. Use spectrum analyzer to monitor test.
4. Ensure that CW Jammer generator RF output is disabled and measure the power at the power meter port using the power meter. This is the relative signal power, S_r .
5. Disable Transmitter, and set CW Jammer generator RF output frequency equal to the carrier frequency and enable generator output. Set reference CW Jammer power level at power meter port 8.4 dB below S_r (minimum J/S, or 10 dB processing gain reference level). Note the power level setting on the generator, this is the reference CW Jammer power setting, J_r .
6. Disable CW Jammer, re-establish link. PER test should be operating essentially error-free.
7. Enable CW Jammer at the reference power level and verify that the PER test indicates a PER of less than 8%.
8. Alternatively, adjust the CW Jammer level to that which causes 8% PER and verify that the S/J is less than 8.4 dB.
9. Repeat step 7 for uniform steps in frequency increments of 50 kHz across the receiver passband with the CW Jammer. In this case the receiver passband is ± 8.5 MHz.

The number of points where the PER fails to achieve 8% (is higher than 8%) is determined and if this is above 20% of the total, the test is failed otherwise it is passed.

The margin by which the radio passes the test (for informational purposes) can be determined from the average of the remaining points' PERs scaled on the PER curve above.

The numerical data associated with the following radio channels is tabulated and presented for:

Channel 1: 2412 MHz
Channel 6: 2437 MHz
Channel 11: 2462 MHz

11Mbps CHANNEL 1 Processing Gain						
Gp = (S/N)o + Mj + Lsys						
Freq.	Gp	(S/N)o	Mj=J/S	Lsys	Jammer	PER
(MHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(%)
2403.50	24.6	16.4	6.2	2.0	-53.7	<=8.0
2403.55	24.0	16.4	5.6	2.0	-54.3	<=8.0
2403.60	23.3	16.4	4.9	2.0	-55.0	<=8.0
2403.65	23.1	16.4	4.7	2.0	-55.2	<=8.0
2403.70	23.3	16.4	4.9	2.0	-55.0	<=8.0
2403.75	23.9	16.4	5.5	2.0	-54.4	<=8.0
2403.80	24.1	16.4	5.7	2.0	-54.2	<=8.0
2403.85	24.3	16.4	5.9	2.0	-54.0	<=8.0
2403.90	24.3	16.4	5.9	2.0	-54.0	<=8.0
2403.95	24.2	16.4	5.8	2.0	-54.1	<=8.0
2404.00	23.9	16.4	5.5	2.0	-54.4	<=8.0
2404.05	23.6	16.4	5.2	2.0	-54.7	<=8.0
2404.10	23.5	16.4	5.1	2.0	-54.8	<=8.0
2404.15	23.4	16.4	5.0	2.0	-54.9	<=8.0
2404.20	23.5	16.4	5.1	2.0	-54.8	<=8.0
2404.25	23.9	16.4	5.5	2.0	-54.4	<=8.0
2404.30	24.1	16.4	5.7	2.0	-54.2	<=8.0
2404.35	24.1	16.4	5.7	2.0	-54.2	<=8.0
2404.40	23.3	16.4	4.9	2.0	-55.0	<=8.0
2404.45	23.2	16.4	4.8	2.0	-55.1	<=8.0
2404.50	23.1	16.4	4.7	2.0	-55.2	<=8.0
2404.55	23.0	16.4	4.6	2.0	-55.3	<=8.0
2404.60	22.5	16.4	4.1	2.0	-55.8	<=8.0
2404.65	21.9	16.4	3.5	2.0	-56.4	<=8.0
2404.70	22.3	16.4	3.9	2.0	-56.0	<=8.0
2404.75	22.3	16.4	3.9	2.0	-56.0	<=8.0
2404.80	22.0	16.4	3.6	2.0	-56.3	<=8.0
2404.85	21.7	16.4	3.3	2.0	-56.6	<=8.0
2404.90	21.4	16.4	3.0	2.0	-56.9	<=8.0
2404.95	21.1	16.4	2.7	2.0	-57.2	<=8.0
2405.00	20.9	16.4	2.5	2.0	-57.4	<=8.0
2405.05	20.8	16.4	2.4	2.0	-57.5	<=8.0
2405.10	20.2	16.4	1.8	2.0	-58.1	<=8.0
2405.15	20.1	16.4	1.7	2.0	-58.2	<=8.0
2405.20	19.8	16.4	1.4	2.0	-58.5	<=8.0
2405.25	19.3	16.4	0.9	2.0	-59.0	<=8.0
2405.30	19.1	16.4	0.7	2.0	-59.2	<=8.0
2405.35	19.0	16.4	0.6	2.0	-59.3	<=8.0
2405.40	18.9	16.4	0.5	2.0	-59.4	<=8.0
2405.45	18.8	16.4	0.4	2.0	-59.5	<=8.0
2405.50	18.8	16.4	0.4	2.0	-59.5	<=8.0
2405.55	18.8	16.4	0.4	2.0	-59.5	<=8.0
2405.60	18.7	16.4	0.3	2.0	-59.6	<=8.0
2405.65	18.4	16.4	0.0	2.0	-59.9	<=8.0
2405.70	18.1	16.4	-0.3	2.0	-60.2	<=8.0
2405.75	17.8	16.4	-0.6	2.0	-60.5	<=8.0
2405.80	17.5	16.4	-0.9	2.0	-60.8	<=8.0
2405.85	17.4	16.4	-1.0	2.0	-60.9	<=8.0

11Mbps CHANNEL 1 Processing Gain						
Gp = (S/N)o + Mj + Lsys						
Freq.	Gp	(S/N)o	Mj=J/S	Lsys	Jammer	PER
(MHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(%)
2405.90	17.0	16.4	-1.4	2.0	-61.3	<=8.0
2405.95	16.8	16.4	-1.6	2.0	-61.5	<=8.0
2406.00	17.0	16.4	-1.4	2.0	-61.3	<=8.0
2406.05	16.9	16.4	-1.5	2.0	-61.4	<=8.0
2406.10	16.8	16.4	-1.6	2.0	-61.5	<=8.0
2406.15	16.7	16.4	-1.7	2.0	-61.6	<=8.0
2406.20	16.7	16.4	-1.7	2.0	-61.6	<=8.0
2406.25	16.5	16.4	-1.9	2.0	-61.8	<=8.0
2406.30	16.6	16.4	-1.8	2.0	-61.7	<=8.0
2406.35	16.3	16.4	-2.1	2.0	-62.0	<=8.0
2406.40	15.9	16.4	-2.5	2.0	-62.4	<=8.0
2406.45	16.1	16.4	-2.3	2.0	-62.2	<=8.0
2406.50	16.0	16.4	-2.4	2.0	-62.3	<=8.0
2406.55	15.6	16.4	-2.8	2.0	-62.7	<=8.0
2406.60	15.5	16.4	-2.9	2.0	-62.8	<=8.0
2406.65	15.3	16.4	-3.1	2.0	-63.0	<=8.0
2406.70	15.4	16.4	-3.0	2.0	-62.9	<=8.0
2406.75	15.3	16.4	-3.1	2.0	-63.0	<=8.0
2406.80	15.4	16.4	-3.0	2.0	-62.9	<=8.0
2406.85	15.4	16.4	-3.0	2.0	-62.9	<=8.0
2406.90	15.3	16.4	-3.1	2.0	-63.0	<=8.0
2406.95	15.1	16.4	-3.3	2.0	-63.2	<=8.0
2407.00	15.4	16.4	-3.0	2.0	-62.9	<=8.0
2407.05	15.3	16.4	-3.1	2.0	-63.0	<=8.0
2407.10	15.1	16.4	-3.3	2.0	-63.2	<=8.0
2407.15	15.2	16.4	-3.2	2.0	-63.1	<=8.0
2407.20	14.9	16.4	-3.5	2.0	-63.4	<=8.0
2407.25	14.8	16.4	-3.6	2.0	-63.5	<=8.0
2407.30	14.6	16.4	-3.8	2.0	-63.7	<=8.0
2407.35	13.9	16.4	-4.5	2.0	-64.4	<=8.0
2407.40	14.0	16.4	-4.4	2.0	-64.3	<=8.0
2407.45	13.9	16.4	-4.5	2.0	-64.4	<=8.0
2407.50	14.1	16.4	-4.3	2.0	-64.2	<=8.0
2407.55	14.2	16.4	-4.2	2.0	-64.1	<=8.0
2407.60	14.3	16.4	-4.1	2.0	-64.0	<=8.0
2407.65	14.4	16.4	-4.0	2.0	-63.9	<=8.0
2407.70	14.3	16.4	-4.1	2.0	-64.0	<=8.0
2407.75	14.4	16.4	-4.0	2.0	-63.9	<=8.0
2407.80	14.5	16.4	-3.9	2.0	-63.8	<=8.0
2407.85	13.9	16.4	-4.5	2.0	-64.4	<=8.0
2407.90	14.0	16.4	-4.4	2.0	-64.3	<=8.0
2407.95	14.2	16.4	-4.2	2.0	-64.1	<=8.0
2408.00	14.1	16.4	-4.3	2.0	-64.2	<=8.0
2408.05	14.2	16.4	-4.2	2.0	-64.1	<=8.0
2408.10	14.0	16.4	-4.4	2.0	-64.3	<=8.0
2408.15	13.7	16.4	-4.7	2.0	-64.6	<=8.0
2408.20	13.8	16.4	-4.6	2.0	-64.5	<=8.0
2408.25	13.8	16.4	-4.6	2.0	-64.5	<=8.0

11Mbps CHANNEL 1 Processing Gain						
Gp = (S/N)o + Mj + Lsys						
Freq.	Gp	(S/N)o	Mj=J/S	Lsys	Jammer	PER
(MHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(%)
2408.30	13.9	16.4	-4.5	2.0	-64.4	<=8.0
2408.35	13.9	16.4	-4.5	2.0	-64.4	<=8.0
2408.40	13.8	16.4	-4.6	2.0	-64.5	<=8.0
2408.45	13.7	16.4	-4.7	2.0	-64.6	<=8.0
2408.50	13.5	16.4	-4.9	2.0	-64.8	<=8.0
2408.55	13.7	16.4	-4.7	2.0	-64.6	<=8.0
2408.60	13.7	16.4	-4.7	2.0	-64.6	<=8.0
2408.65	13.5	16.4	-4.9	2.0	-64.8	<=8.0
2408.70	13.4	16.4	-5.0	2.0	-64.9	<=8.0
2408.75	13.2	16.4	-5.2	2.0	-65.1	<=8.0
2408.80	13.4	16.4	-5.0	2.0	-64.9	<=8.0
2408.85	12.8	16.4	-5.6	2.0	-65.5	<=8.0
2408.90	12.6	16.4	-5.8	2.0	-65.7	<=8.0
2408.95	12.9	16.4	-5.5	2.0	-65.4	<=8.0
2409.00	13.2	16.4	-5.2	2.0	-65.1	<=8.0
2409.05	13.1	16.4	-5.3	2.0	-65.2	<=8.0
2409.10	13.1	16.4	-5.3	2.0	-65.2	<=8.0
2409.15	12.9	16.4	-5.5	2.0	-65.4	<=8.0
2409.20	13.0	16.4	-5.4	2.0	-65.3	<=8.0
2409.25	12.9	16.4	-5.5	2.0	-65.4	<=8.0
2409.30	12.8	16.4	-5.6	2.0	-65.5	<=8.0
2409.35	12.5	16.4	-5.9	2.0	-65.8	<=8.0
2409.40	12.4	16.4	-6.0	2.0	-65.9	<=8.0
2409.45	12.3	16.4	-6.1	2.0	-66.0	<=8.0
2409.50	12.8	16.4	-5.6	2.0	-65.5	<=8.0
2409.55	12.8	16.4	-5.6	2.0	-65.5	<=8.0
2409.60	12.7	16.4	-5.7	2.0	-65.6	<=8.0
2409.65	12.8	16.4	-5.6	2.0	-65.5	<=8.0
2409.70	12.8	16.4	-5.6	2.0	-65.5	<=8.0
2409.75	12.5	16.4	-5.9	2.0	-65.8	<=8.0
2409.80	12.6	16.4	-5.8	2.0	-65.7	<=8.0
2409.85	12.2	16.4	-6.2	2.0	-66.1	<=8.0
2409.90	12.1	16.4	-6.3	2.0	-66.2	<=8.0
2409.95	12.0	16.4	-6.4	2.0	-66.3	<=8.0
2410.00	12.4	16.4	-6.0	2.0	-65.9	<=8.0
2410.05	12.4	16.4	-6.0	2.0	-65.9	<=8.0
2410.10	12.5	16.4	-5.9	2.0	-65.8	<=8.0
2410.15	12.4	16.4	-6.0	2.0	-65.9	<=8.0
2410.20	12.5	16.4	-5.9	2.0	-65.8	<=8.0
2410.25	12.6	16.4	-5.8	2.0	-65.7	<=8.0
2410.30	12.7	16.4	-5.7	2.0	-65.6	<=8.0
2410.35	12.6	16.4	-5.8	2.0	-65.7	<=8.0
2410.40	12.3	16.4	-6.1	2.0	-66.0	<=8.0
2410.45	12.4	16.4	-6.0	2.0	-65.9	<=8.0
2410.50	12.7	16.4	-5.7	2.0	-65.6	<=8.0
2410.55	12.6	16.4	-5.8	2.0	-65.7	<=8.0
2410.60	12.4	16.4	-6.0	2.0	-65.9	<=8.0
2410.65	12.6	16.4	-5.8	2.0	-65.7	<=8.0

11Mbps CHANNEL 1 Processing Gain						
Gp = (S/N)o + Mj + Lsys						
Freq.	Gp	(S/N)o	Mj=J/S	Lsys	Jammer	PER
(MHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(%)
2410.70	12.5	16.4	-5.9	2.0	-65.8	<=8.0
2410.75	12.6	16.4	-5.8	2.0	-65.7	<=8.0
2410.80	12.5	16.4	-5.9	2.0	-65.8	<=8.0
2410.85	12.6	16.4	-5.8	2.0	-65.7	<=8.0
2410.90	12.7	16.4	-5.7	2.0	-65.6	<=8.0
2410.95	13.0	16.4	-5.4	2.0	-65.3	<=8.0
2411.00	12.9	16.4	-5.5	2.0	-65.4	<=8.0
2411.05	13.1	16.4	-5.3	2.0	-65.2	<=8.0
2411.10	13.0	16.4	-5.4	2.0	-65.3	<=8.0
2411.15	12.9	16.4	-5.5	2.0	-65.4	<=8.0
2411.20	12.8	16.4	-5.6	2.0	-65.5	<=8.0
2411.25	12.8	16.4	-5.6	2.0	-65.5	<=8.0
2411.30	12.8	16.4	-5.6	2.0	-65.5	<=8.0
2411.35	11.8	16.4	-6.6	2.0	-66.5	<=8.0
2411.40	11.9	16.4	-6.5	2.0	-66.4	<=8.0
2411.45	12.4	16.4	-6.0	2.0	-65.9	<=8.0
2411.50	12.7	16.4	-5.7	2.0	-65.6	<=8.0
2411.55	12.3	16.4	-6.1	2.0	-66.0	<=8.0
2411.60	12.2	16.4	-6.2	2.0	-66.1	<=8.0
2411.65	12.5	16.4	-5.9	2.0	-65.8	<=8.0
2411.70	12.9	16.4	-5.5	2.0	-65.4	<=8.0
2411.75	13.1	16.4	-5.3	2.0	-65.2	<=8.0
2411.80	12.9	16.4	-5.5	2.0	-65.4	<=8.0
2411.85	12.9	16.4	-5.5	2.0	-65.4	<=8.0
2411.90	12.8	16.4	-5.6	2.0	-65.5	<=8.0
2411.95	12.8	16.4	-5.6	2.0	-65.5	<=8.0
2412.00	12.6	16.4	-5.8	2.0	-65.7	<=8.0
2412.05	12.6	16.4	-5.8	2.0	-65.7	<=8.0
2412.10	12.4	16.4	-6.0	2.0	-65.9	<=8.0
2412.15	12.6	16.4	-5.8	2.0	-65.7	<=8.0
2412.20	12.5	16.4	-5.9	2.0	-65.8	<=8.0
2412.25	12.7	16.4	-5.7	2.0	-65.6	<=8.0
2412.30	12.6	16.4	-5.8	2.0	-65.7	<=8.0
2412.35	12.7	16.4	-5.7	2.0	-65.6	<=8.0
2412.40	12.8	16.4	-5.6	2.0	-65.5	<=8.0
2412.45	12.9	16.4	-5.5	2.0	-65.4	<=8.0
2412.50	12.9	16.4	-5.5	2.0	-65.4	<=8.0
2412.55	12.8	16.4	-5.6	2.0	-65.5	<=8.0
2412.60	13.0	16.4	-5.4	2.0	-65.3	<=8.0
2412.65	12.9	16.4	-5.5	2.0	-65.4	<=8.0
2412.70	12.8	16.4	-5.6	2.0	-65.5	<=8.0
2412.75	13.2	16.4	-5.2	2.0	-65.1	<=8.0
2412.80	12.6	16.4	-5.8	2.0	-65.7	<=8.0
2412.85	12.4	16.4	-6.0	2.0	-65.9	<=8.0
2412.90	12.3	16.4	-6.1	2.0	-66.0	<=8.0
2412.95	12.6	16.4	-5.8	2.0	-65.7	<=8.0
2413.00	12.8	16.4	-5.6	2.0	-65.5	<=8.0
2413.05	12.7	16.4	-5.7	2.0	-65.6	<=8.0

11Mbps CHANNEL 1 Processing Gain						
Gp = (S/N)o + Mj + Lsys						
Freq.	Gp	(S/N)o	Mj=J/S	Lsys	Jammer	PER
(MHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(%)
2413.10	12.9	16.4	-5.5	2.0	-65.4	<=8.0
2413.15	12.8	16.4	-5.6	2.0	-65.5	<=8.0
2413.20	12.9	16.4	-5.5	2.0	-65.4	<=8.0
2413.25	13.0	16.4	-5.4	2.0	-65.3	<=8.0
2413.30	12.9	16.4	-5.5	2.0	-65.4	<=8.0
2413.35	12.4	16.4	-6.0	2.0	-65.9	<=8.0
2413.40	12.1	16.4	-6.3	2.0	-66.2	<=8.0
2413.45	12.5	16.4	-5.9	2.0	-65.8	<=8.0
2413.50	12.8	16.4	-5.6	2.0	-65.5	<=8.0
2413.55	12.7	16.4	-5.7	2.0	-65.6	<=8.0
2413.60	12.6	16.4	-5.8	2.0	-65.7	<=8.0
2413.65	12.5	16.4	-5.9	2.0	-65.8	<=8.0
2413.70	12.6	16.4	-5.8	2.0	-65.7	<=8.0
2413.75	12.6	16.4	-5.8	2.0	-65.7	<=8.0
2413.80	12.6	16.4	-5.8	2.0	-65.7	<=8.0
2413.85	12.8	16.4	-5.6	2.0	-65.5	<=8.0
2413.90	12.7	16.4	-5.7	2.0	-65.6	<=8.0
2413.95	12.6	16.4	-5.8	2.0	-65.7	<=8.0
2414.00	12.6	16.4	-5.8	2.0	-65.7	<=8.0
2414.05	12.6	16.4	-5.8	2.0	-65.7	<=8.0
2414.10	12.5	16.4	-5.9	2.0	-65.8	<=8.0
2414.15	12.4	16.4	-6.0	2.0	-65.9	<=8.0
2414.20	12.5	16.4	-5.9	2.0	-65.8	<=8.0
2414.25	12.6	16.4	-5.8	2.0	-65.7	<=8.0
2414.30	12.5	16.4	-5.9	2.0	-65.8	<=8.0
2414.35	12.5	16.4	-5.9	2.0	-65.8	<=8.0
2414.40	12.6	16.4	-5.8	2.0	-65.7	<=8.0
2414.45	12.7	16.4	-5.7	2.0	-65.6	<=8.0
2414.50	12.6	16.4	-5.8	2.0	-65.7	<=8.0
2414.55	12.5	16.4	-5.9	2.0	-65.8	<=8.0
2414.60	12.4	16.4	-6.0	2.0	-65.9	<=8.0
2414.65	12.2	16.4	-6.2	2.0	-66.1	<=8.0
2414.70	12.1	16.4	-6.3	2.0	-66.2	<=8.0
2414.75	12.0	16.4	-6.4	2.0	-66.3	<=8.0
2414.80	12.2	16.4	-6.2	2.0	-66.1	<=8.0
2414.85	12.4	16.4	-6.0	2.0	-65.9	<=8.0
2414.90	12.2	16.4	-6.2	2.0	-66.1	<=8.0
2414.95	12.3	16.4	-6.1	2.0	-66.0	<=8.0
2415.00	12.2	16.4	-6.2	2.0	-66.1	<=8.0
2415.05	12.6	16.4	-5.8	2.0	-65.7	<=8.0
2415.10	12.7	16.4	-5.7	2.0	-65.6	<=8.0
2415.15	12.8	16.4	-5.6	2.0	-65.5	<=8.0
2415.20	12.7	16.4	-5.7	2.0	-65.6	<=8.0
2415.25	12.8	16.4	-5.6	2.0	-65.5	<=8.0
2415.30	12.9	16.4	-5.5	2.0	-65.4	<=8.0
2415.35	12.7	16.4	-5.7	2.0	-65.6	<=8.0
2415.40	12.3	16.4	-6.1	2.0	-66.0	<=8.0
2415.45	12.9	16.4	-5.5	2.0	-65.4	<=8.0

11Mbps CHANNEL 1 Processing Gain						
Gp = (S/N)o + Mj + Lsys						
Freq.	Gp	(S/N)o	Mj=J/S	Lsys	Jammer	PER
(MHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(%)
2415.50	12.8	16.4	-5.6	2.0	-65.5	<=8.0
2415.55	12.9	16.4	-5.5	2.0	-65.4	<=8.0
2415.60	12.9	16.4	-5.5	2.0	-65.4	<=8.0
2415.65	13.1	16.4	-5.3	2.0	-65.2	<=8.0
2415.70	13.2	16.4	-5.2	2.0	-65.1	<=8.0
2415.75	13.4	16.4	-5.0	2.0	-64.9	<=8.0
2415.80	13.5	16.4	-4.9	2.0	-64.8	<=8.0
2415.85	13.6	16.4	-4.8	2.0	-64.7	<=8.0
2415.90	13.5	16.4	-4.9	2.0	-64.8	<=8.0
2415.95	13.7	16.4	-4.7	2.0	-64.6	<=8.0
2416.00	13.6	16.4	-4.8	2.0	-64.7	<=8.0
2416.05	13.6	16.4	-4.8	2.0	-64.7	<=8.0
2416.10	13.5	16.4	-4.9	2.0	-64.8	<=8.0
2416.15	13.4	16.4	-5.0	2.0	-64.9	<=8.0
2416.20	13.3	16.4	-5.1	2.0	-65.0	<=8.0
2416.25	13.4	16.4	-5.0	2.0	-64.9	<=8.0
2416.30	13.2	16.4	-5.2	2.0	-65.1	<=8.0
2416.35	13.1	16.4	-5.3	2.0	-65.2	<=8.0
2416.40	13.3	16.4	-5.1	2.0	-65.0	<=8.0
2416.45	13.4	16.4	-5.0	2.0	-64.9	<=8.0
2416.50	14.0	16.4	-4.4	2.0	-64.3	<=8.0
2416.55	14.2	16.4	-4.2	2.0	-64.1	<=8.0
2416.60	14.1	16.4	-4.3	2.0	-64.2	<=8.0
2416.65	14.1	16.4	-4.3	2.0	-64.2	<=8.0
2416.70	14.1	16.4	-4.3	2.0	-64.2	<=8.0
2416.75	14.1	16.4	-4.3	2.0	-64.2	<=8.0
2416.80	14.0	16.4	-4.4	2.0	-64.3	<=8.0
2416.85	13.8	16.4	-4.6	2.0	-64.5	<=8.0
2416.90	13.8	16.4	-4.6	2.0	-64.5	<=8.0
2416.95	13.9	16.4	-4.5	2.0	-64.4	<=8.0
2417.00	14.1	16.4	-4.3	2.0	-64.2	<=8.0
2417.05	14.3	16.4	-4.1	2.0	-64.0	<=8.0
2417.10	14.4	16.4	-4.0	2.0	-63.9	<=8.0
2417.15	14.5	16.4	-3.9	2.0	-63.8	<=8.0
2417.20	14.6	16.4	-3.8	2.0	-63.7	<=8.0
2417.25	14.8	16.4	-3.6	2.0	-63.5	<=8.0
2417.30	15.1	16.4	-3.3	2.0	-63.2	<=8.0
2417.35	15.0	16.4	-3.4	2.0	-63.3	<=8.0
2417.40	14.9	16.4	-3.5	2.0	-63.4	<=8.0
2417.45	15.0	16.4	-3.4	2.0	-63.3	<=8.0
2417.50	15.2	16.4	-3.2	2.0	-63.1	<=8.0
2417.55	15.4	16.4	-3.0	2.0	-62.9	<=8.0
2417.60	15.3	16.4	-3.1	2.0	-63.0	<=8.0
2417.65	15.2	16.4	-3.2	2.0	-63.1	<=8.0
2417.70	15.3	16.4	-3.1	2.0	-63.0	<=8.0
2417.75	15.6	16.4	-2.8	2.0	-62.7	<=8.0
2417.80	15.6	16.4	-2.8	2.0	-62.7	<=8.0
2417.85	15.9	16.4	-2.5	2.0	-62.4	<=8.0

11Mbps CHANNEL 1 Processing Gain						
Gp = (S/N)o + Mj + Lsys						
Freq.	Gp	(S/N)o	Mj=J/S	Lsys	Jammer	PER
(MHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(%)
2417.90	16.0	16.4	-2.4	2.0	-62.3	<=8.0
2417.95	16.1	16.4	-2.3	2.0	-62.2	<=8.0
2418.00	16.2	16.4	-2.2	2.0	-62.1	<=8.0
2418.05	16.4	16.4	-2.0	2.0	-61.9	<=8.0
2418.10	16.4	16.4	-2.0	2.0	-61.9	<=8.0
2418.15	16.4	16.4	-2.0	2.0	-61.9	<=8.0
2418.20	16.5	16.4	-1.9	2.0	-61.8	<=8.0
2418.25	16.7	16.4	-1.7	2.0	-61.6	<=8.0
2418.30	16.8	16.4	-1.6	2.0	-61.5	<=8.0
2418.35	16.9	16.4	-1.5	2.0	-61.4	<=8.0
2418.40	16.7	16.4	-1.7	2.0	-61.6	<=8.0
2418.45	17.3	16.4	-1.1	2.0	-61.0	<=8.0
2418.50	17.1	16.4	-1.3	2.0	-61.2	<=8.0
2418.55	17.8	16.4	-0.6	2.0	-60.5	<=8.0
2418.60	17.6	16.4	-0.8	2.0	-60.7	<=8.0
2418.65	18.2	16.4	-0.2	2.0	-60.1	<=8.0
2418.70	18.1	16.4	-0.3	2.0	-60.2	<=8.0
2418.75	18.3	16.4	-0.1	2.0	-60.0	<=8.0
2418.80	18.5	16.4	0.1	2.0	-59.8	<=8.0
2418.85	18.6	16.4	0.2	2.0	-59.7	<=8.0
2418.90	18.6	16.4	0.2	2.0	-59.7	<=8.0
2418.95	19.3	16.4	0.9	2.0	-59.0	<=8.0
2419.00	19.2	16.4	0.8	2.0	-59.1	<=8.0
2419.05	19.4	16.4	1.0	2.0	-58.9	<=8.0
2419.10	19.6	16.4	1.2	2.0	-58.7	<=8.0
2419.15	19.8	16.4	1.4	2.0	-58.5	<=8.0
2419.20	20.0	16.4	1.6	2.0	-58.3	<=8.0
2419.25	20.4	16.4	2.0	2.0	-57.9	<=8.0
2419.30	20.5	16.4	2.1	2.0	-57.8	<=8.0
2419.35	20.4	16.4	2.0	2.0	-57.9	<=8.0
2419.40	20.6	16.4	2.2	2.0	-57.7	<=8.0
2419.45	21.0	16.4	2.6	2.0	-57.3	<=8.0
2419.50	21.0	16.4	2.6	2.0	-57.3	<=8.0
2419.55	21.4	16.4	3.0	2.0	-56.9	<=8.0
2419.60	21.6	16.4	3.2	2.0	-56.7	<=8.0
2419.65	21.6	16.4	3.2	2.0	-56.7	<=8.0
2419.70	21.9	16.4	3.5	2.0	-56.4	<=8.0
2419.75	23.1	16.4	4.7	2.0	-55.2	<=8.0
2419.80	23.0	16.4	4.6	2.0	-55.3	<=8.0
2419.85	22.9	16.4	4.5	2.0	-55.4	<=8.0
2419.90	22.7	16.4	4.3	2.0	-55.6	<=8.0
2419.95	23.4	16.4	5.0	2.0	-54.9	<=8.0
2420.00	23.5	16.4	5.1	2.0	-54.8	<=8.0
2420.05	23.3	16.4	4.9	2.0	-55.0	<=8.0
2420.10	23.2	16.4	4.8	2.0	-55.1	<=8.0
2420.15	23.1	16.4	4.7	2.0	-55.2	<=8.0
2420.20	22.9	16.4	4.5	2.0	-55.4	<=8.0
2420.25	23.3	16.4	4.9	2.0	-55.0	<=8.0

11Mbps CHANNEL 1 Processing Gain						
Gp = (S/N)o + Mj + Lsys						
Freq. (MHz)	Gp (dB)	(S/N)o (dB)	Mj=J/S (dB)	Lsys (dB)	Jammer (dBm)	PER (%)
2420.30	23.6	16.4	5.2	2.0	-54.7	<=8.0
2420.35	23.7	16.4	5.3	2.0	-54.6	<=8.0
2420.40	23.8	16.4	5.4	2.0	-54.5	<=8.0
2420.45	23.7	16.4	5.3	2.0	-54.6	<=8.0
2420.50	23.6	16.4	5.2	2.0	-54.7	<=8.0

12.6**Test Conditions**TX Card **HWB3163-04 Rev B**S/N **99360038**RX Card **ISL36342U-EVAL Rev C1**S/N **01060093**TX Firmware **P10002C0, MS11168A3**RX Firmware **PU010000, SU010000**Software Ver. **3.0.24**Mode **11 MB Pseudo IBSS**Pkt Size **1024**Pkt Dly **1**Pkt Burst **0**Intersil Chips on Card: **HFA38421N****HFA38631N****HFA37831N**

Processing Gain (dB)	XMIT level	-59.9
	S/N+Ls	18.4
	Conversion	0.0
PG	offset	Signal Generator Delta
24.6	-8500	6.2
24.0	-8450	5.6
23.3	-8400	4.9
23.1	-8350	4.7
23.3	-8300	4.9
23.9	-8250	5.5
24.1	-8200	5.7
24.3	-8150	5.9
24.3	-8100	5.9
24.2	-8050	5.8
23.9	-8000	5.5
23.6	-7950	5.2
23.5	-7900	5.1
23.4	-7850	5.0
23.5	-7800	5.1
23.9	-7750	5.5
24.1	-7700	5.7
24.1	-7650	5.7
23.3	-7600	4.9
23.2	-7550	4.8
23.1	-7500	4.7
23.0	-7450	4.6
22.5	-7400	4.1
21.9	-7350	3.5
22.3	-7300	3.9
22.3	-7250	3.9
22.0	-7200	3.6
21.7	-7150	3.3
21.4	-7100	3.0
21.1	-7050	2.7
20.9	-7000	2.5
20.8	-6950	2.4
20.2	-6900	1.8
20.1	-6850	1.7
19.8	-6800	1.4
19.3	-6750	0.9
19.1	-6700	0.7
19.0	-6650	0.6
18.9	-6600	0.5
18.8	-6550	0.4
18.8	-6500	0.4
18.8	-6450	0.4
18.7	-6400	0.3
18.4	-6350	0.0
18.1	-6300	-0.3
17.8	-6250	-0.6
17.5	-6200	-0.9

ISL36342U-EVAL, s/n 93
CH1 Processing Gain
11 MB Data Rate

Processing Gain ISL36342U_EVAL rev 2.xls

Measured by:
S. Rothwell

17.4	-6150	-1.0
17.0	-6100	-1.4
16.8	-6050	-1.6
17.0	-6000	-1.4
16.9	-5950	-1.5
16.8	-5900	-1.6
16.7	-5850	-1.7
16.7	-5800	-1.7
16.5	-5750	-1.9
16.6	-5700	-1.8
16.3	-5650	-2.1
15.9	-5600	-2.5
16.1	-5550	-2.3
16.0	-5500	-2.4
15.6	-5450	-2.8
15.5	-5400	-2.9
15.3	-5350	-3.1
15.4	-5300	-3.0
15.3	-5250	-3.1
15.4	-5200	-3.0
15.4	-5150	-3.0
15.3	-5100	-3.1
15.1	-5050	-3.3
15.4	-5000	-3.0
15.3	-4950	-3.1
15.1	-4900	-3.3
15.2	-4850	-3.2
14.9	-4800	-3.5
14.8	-4750	-3.6
14.6	-4700	-3.8
13.9	-4650	-4.5
14.0	-4600	-4.4
13.9	-4550	-4.5
14.1	-4500	-4.3
14.2	-4450	-4.2
14.3	-4400	-4.1
14.4	-4350	-4.0
14.3	-4300	-4.1
14.4	-4250	-4.0
14.5	-4200	-3.9
13.9	-4150	-4.5
14.0	-4100	-4.4
14.2	-4050	-4.2
14.1	-4000	-4.3
14.2	-3950	-4.2
14.0	-3900	-4.4
13.7	-3850	-4.7
13.8	-3800	-4.6
13.8	-3750	-4.6
13.9	-3700	-4.5
13.9	-3650	-4.5
13.8	-3600	-4.6

ISL36342U-EVAL, s/n 93
CH1 Processing Gain
11 MB Data Rate

Processing Gain ISL36342U_EVAL rev 2.xls

Measured by:
S. Rothwell

13.7	-3550	-4.7
13.5	-3500	-4.9
13.7	-3450	-4.7
13.7	-3400	-4.7
13.5	-3350	-4.9
13.4	-3300	-5.0
13.2	-3250	-5.2
13.4	-3200	-5.0
12.8	-3150	-5.6
12.6	-3100	-5.8
12.9	-3050	-5.5
13.2	-3000	-5.2
13.1	-2950	-5.3
13.1	-2900	-5.3
12.9	-2850	-5.5
13.0	-2800	-5.4
12.9	-2750	-5.5
12.8	-2700	-5.6
12.5	-2650	-5.9
12.4	-2600	-6.0
12.3	-2550	-6.1
12.8	-2500	-5.6
12.8	-2450	-5.6
12.7	-2400	-5.7
12.8	-2350	-5.6
12.8	-2300	-5.6
12.5	-2250	-5.9
12.6	-2200	-5.8
12.2	-2150	-6.2
12.1	-2100	-6.3
12.0	-2050	-6.4
12.4	-2000	-6.0
12.4	-1950	-6.0
12.5	-1900	-5.9
12.4	-1850	-6.0
12.5	-1800	-5.9
12.6	-1750	-5.8
12.7	-1700	-5.7
12.6	-1650	-5.8
12.3	-1600	-6.1
12.4	-1550	-6.0
12.7	-1500	-5.7
12.6	-1450	-5.8
12.4	-1400	-6.0
12.6	-1350	-5.8
12.5	-1300	-5.9
12.6	-1250	-5.8
12.5	-1200	-5.9
12.6	-1150	-5.8
12.7	-1100	-5.7
13.0	-1050	-5.4
12.9	-1000	-5.5

ISL36342U-EVAL, s/n 93
CH1 Processing Gain
11 MB Data Rate

Processing Gain ISL36342U_EVAL rev 2.xls

Measured by:
S. Rothwell

13.1	-950	-5.3
13.0	-900	-5.4
12.9	-850	-5.5
12.8	-800	-5.6
12.8	-750	-5.6
12.8	-700	-5.6
11.8	-650	-6.6
11.9	-600	-6.5
12.4	-550	-6.0
12.7	-500	-5.7
12.3	-450	-6.1
12.2	-400	-6.2
12.5	-350	-5.9
12.9	-300	-5.5
13.1	-250	-5.3
12.9	-200	-5.5
12.9	-150	-5.5
12.8	-100	-5.6
12.8	-50	-5.6
12.6	0	-5.8
12.6	50	-5.8
12.4	100	-6.0
12.6	150	-5.8
12.5	200	-5.9
12.7	250	-5.7
12.6	300	-5.8
12.7	350	-5.7
12.8	400	-5.6
12.9	450	-5.5
12.9	500	-5.5
12.8	550	-5.6
13.0	600	-5.4
12.9	650	-5.5
12.8	700	-5.6
13.2	750	-5.2
12.6	800	-5.8
12.4	850	-6.0
12.3	900	-6.1
12.6	950	-5.8
12.8	1000	-5.6
12.7	1050	-5.7
12.9	1100	-5.5
12.8	1150	-5.6
12.9	1200	-5.5
13.0	1250	-5.4
12.9	1300	-5.5
12.4	1350	-6.0
12.1	1400	-6.3
12.5	1450	-5.9
12.8	1500	-5.6
12.7	1550	-5.7
12.6	1600	-5.8

ISL36342U-EVAL, s/n 93
CH1 Processing Gain
11 MB Data Rate

Processing Gain ISL36342U_EVAL rev 2.xls

Measured by:
S. Rothwell

12.5	1650	-5.9
12.6	1700	-5.8
12.6	1750	-5.8
12.6	1800	-5.8
12.8	1850	-5.6
12.7	1900	-5.7
12.6	1950	-5.8
12.6	2000	-5.8
12.6	2050	-5.8
12.5	2100	-5.9
12.4	2150	-6.0
12.5	2200	-5.9
12.6	2250	-5.8
12.5	2300	-5.9
12.5	2350	-5.9
12.6	2400	-5.8
12.7	2450	-5.7
12.6	2500	-5.8
12.5	2550	-5.9
12.4	2600	-6.0
12.2	2650	-6.2
12.1	2700	-6.3
12.0	2750	-6.4
12.2	2800	-6.2
12.4	2850	-6.0
12.2	2900	-6.2
12.3	2950	-6.1
12.2	3000	-6.2
12.6	3050	-5.8
12.7	3100	-5.7
12.8	3150	-5.6
12.7	3200	-5.7
12.8	3250	-5.6
12.9	3300	-5.5
12.7	3350	-5.7
12.3	3400	-6.1
12.9	3450	-5.5
12.8	3500	-5.6
12.9	3550	-5.5
12.9	3600	-5.5
13.1	3650	-5.3
13.2	3700	-5.2
13.4	3750	-5.0
13.5	3800	-4.9
13.6	3850	-4.8
13.5	3900	-4.9
13.7	3950	-4.7
13.6	4000	-4.8
13.6	4050	-4.8
13.5	4100	-4.9
13.4	4150	-5.0
13.3	4200	-5.1

ISL36342U-EVAL, s/n 93
CH1 Processing Gain
11 MB Data Rate

Processing Gain ISL36342U_EVAL rev 2.xls

Measured by:
S. Rothwell

13.4	4250	-5.0
13.2	4300	-5.2
13.1	4350	-5.3
13.3	4400	-5.1
13.4	4450	-5.0
14.0	4500	-4.4
14.2	4550	-4.2
14.1	4600	-4.3
14.1	4650	-4.3
14.1	4700	-4.3
14.1	4750	-4.3
14.0	4800	-4.4
13.8	4850	-4.6
13.8	4900	-4.6
13.9	4950	-4.5
14.1	5000	-4.3
14.3	5050	-4.1
14.4	5100	-4.0
14.5	5150	-3.9
14.6	5200	-3.8
14.8	5250	-3.6
15.1	5300	-3.3
15.0	5350	-3.4
14.9	5400	-3.5
15.0	5450	-3.4
15.2	5500	-3.2
15.4	5550	-3.0
15.3	5600	-3.1
15.2	5650	-3.2
15.3	5700	-3.1
15.6	5750	-2.8
15.6	5800	-2.8
15.9	5850	-2.5
16.0	5900	-2.4
16.1	5950	-2.3
16.2	6000	-2.2
16.4	6050	-2.0
16.4	6100	-2.0
16.4	6150	-2.0
16.5	6200	-1.9
16.7	6250	-1.7
16.8	6300	-1.6
16.9	6350	-1.5
16.7	6400	-1.7
17.3	6450	-1.1
17.1	6500	-1.3
17.8	6550	-0.6
17.6	6600	-0.8
18.2	6650	-0.2
18.1	6700	-0.3
18.3	6750	-0.1
18.5	6800	0.1

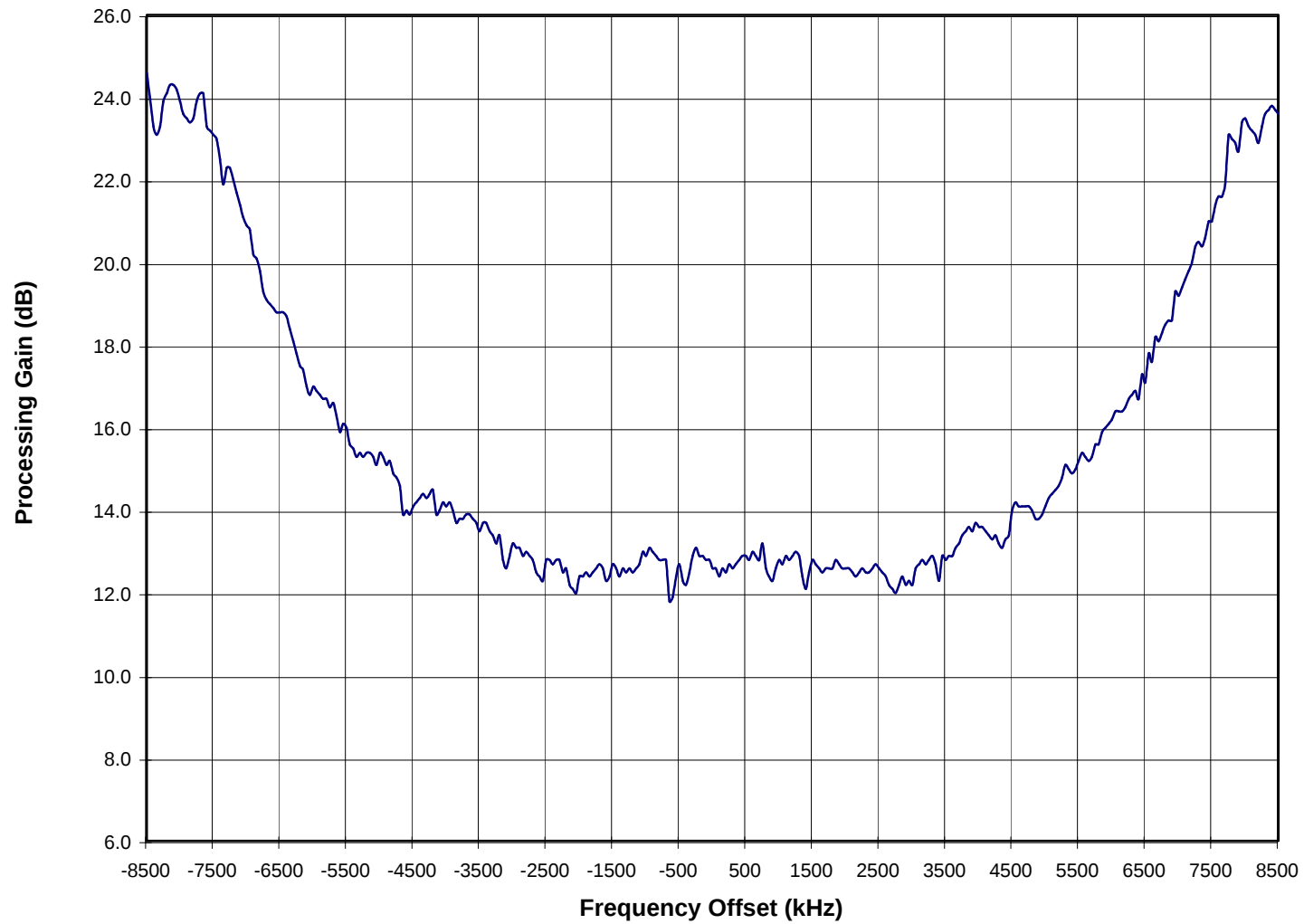
ISL36342U-EVAL, s/n 93
CH1 Processing Gain
11 MB Data Rate

Processing Gain ISL36342U_EVAL rev 2.xls

Measured by:
S. Rothwell

18.6	6850	0.2
18.6	6900	0.2
19.3	6950	0.9
19.2	7000	0.8
19.4	7050	1.0
19.6	7100	1.2
19.8	7150	1.4
20.0	7200	1.6
20.4	7250	2.0
20.5	7300	2.1
20.4	7350	2.0
20.6	7400	2.2
21.0	7450	2.6
21.0	7500	2.6
21.4	7550	3.0
21.6	7600	3.2
21.6	7650	3.2
21.9	7700	3.5
23.1	7750	4.7
23.0	7800	4.6
22.9	7850	4.5
22.7	7900	4.3
23.4	7950	5.0
23.5	8000	5.1
23.3	8050	4.9
23.2	8100	4.8
23.1	8150	4.7
22.9	8200	4.5
23.3	8250	4.9
23.6	8300	5.2
23.7	8350	5.3
23.8	8400	5.4
23.7	8450	5.3
23.6	8500	5.2
12.6	Processing Gain (dB) @ 80th Percentile =	

Processing Gain Channel 1 (fc=2412Mhz) @ 11Mbps



1Mbps CHANNEL 6 Processing Gain						
Gp = (S/N)o + Mj + Lsys						
Freq.	Gp	(S/N)o	Mj=J/S	Lsys	Jammer	PER
(MHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(%)
2428.50	19.1	10.3	6.8	2.0	-53.1	<=8.0
2428.55	18.4	10.3	6.1	2.0	-53.8	<=8.0
2428.60	17.9	10.3	5.6	2.0	-54.3	<=8.0
2428.65	17.6	10.3	5.3	2.0	-54.6	<=8.0
2428.70	17.8	10.3	5.5	2.0	-54.4	<=8.0
2428.75	18.1	10.3	5.8	2.0	-54.1	<=8.0
2428.80	18.7	10.3	6.4	2.0	-53.5	<=8.0
2428.85	19.0	10.3	6.7	2.0	-53.2	<=8.0
2428.90	18.9	10.3	6.6	2.0	-53.3	<=8.0
2428.95	18.8	10.3	6.5	2.0	-53.4	<=8.0
2429.00	18.6	10.3	6.3	2.0	-53.6	<=8.0
2429.05	18.4	10.3	6.1	2.0	-53.8	<=8.0
2429.10	18.3	10.3	6.0	2.0	-53.9	<=8.0
2429.15	18.3	10.3	6.0	2.0	-53.9	<=8.0
2429.20	18.3	10.3	6.0	2.0	-53.9	<=8.0
2429.25	18.5	10.3	6.2	2.0	-53.7	<=8.0
2429.30	18.8	10.3	6.5	2.0	-53.4	<=8.0
2429.35	19.0	10.3	6.7	2.0	-53.2	<=8.0
2429.40	19.1	10.3	6.8	2.0	-53.1	<=8.0
2429.45	18.8	10.3	6.5	2.0	-53.4	<=8.0
2429.50	18.4	10.3	6.1	2.0	-53.8	<=8.0
2429.55	17.8	10.3	5.5	2.0	-54.4	<=8.0
2429.60	17.1	10.3	4.8	2.0	-55.1	<=8.0
2429.65	16.9	10.3	4.6	2.0	-55.3	<=8.0
2429.70	17.0	10.3	4.7	2.0	-55.2	<=8.0
2429.75	17.4	10.3	5.1	2.0	-54.8	<=8.0
2429.80	17.8	10.3	5.5	2.0	-54.4	<=8.0
2429.85	17.9	10.3	5.6	2.0	-54.3	<=8.0
2429.90	17.8	10.3	5.5	2.0	-54.4	<=8.0
2429.95	17.6	10.3	5.3	2.0	-54.6	<=8.0
2430.00	17.4	10.3	5.1	2.0	-54.8	<=8.0
2430.05	17.1	10.3	4.8	2.0	-55.1	<=8.0
2430.10	17.2	10.3	4.9	2.0	-55.0	<=8.0
2430.15	17.2	10.3	4.9	2.0	-55.0	<=8.0
2430.20	17.4	10.3	5.1	2.0	-54.8	<=8.0
2430.25	17.8	10.3	5.5	2.0	-54.4	<=8.0
2430.30	18.2	10.3	5.9	2.0	-54.0	<=8.0
2430.35	18.3	10.3	6.0	2.0	-53.9	<=8.0
2430.40	18.4	10.3	6.1	2.0	-53.8	<=8.0
2430.45	18.1	10.3	5.8	2.0	-54.1	<=8.0
2430.50	17.6	10.3	5.3	2.0	-54.6	<=8.0
2430.55	17.0	10.3	4.7	2.0	-55.2	<=8.0
2430.60	16.3	10.3	4.0	2.0	-55.9	<=8.0
2430.65	15.9	10.3	3.6	2.0	-56.3	<=8.0
2430.70	15.8	10.3	3.5	2.0	-56.4	<=8.0
2430.75	16.0	10.3	3.7	2.0	-56.2	<=8.0
2430.80	16.4	10.3	4.1	2.0	-55.8	<=8.0
2430.85	16.4	10.3	4.1	2.0	-55.8	<=8.0

1Mbps CHANNEL 6 Processing Gain						
Gp = (S/N)o + Mj + Lsys						
Freq.	Gp	(S/N)o	Mj=J/S	Lsys	Jammer	PER
(MHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(%)
2430.90	16.4	10.3	4.1	2.0	-55.8	<=8.0
2430.95	16.2	10.3	3.9	2.0	-56.0	<=8.0
2431.00	16.3	10.3	4.0	2.0	-55.9	<=8.0
2431.05	16.1	10.3	3.8	2.0	-56.1	<=8.0
2431.10	16.1	10.3	3.8	2.0	-56.1	<=8.0
2431.15	16.5	10.3	4.2	2.0	-55.7	<=8.0
2431.20	17.0	10.3	4.7	2.0	-55.2	<=8.0
2431.25	17.8	10.3	5.5	2.0	-54.4	<=8.0
2431.30	18.7	10.3	6.4	2.0	-53.5	<=8.0
2431.35	19.6	10.3	7.3	2.0	-52.6	<=8.0
2431.40	18.6	10.3	6.3	2.0	-53.6	<=8.0
2431.45	21.7	10.3	9.4	2.0	-50.5	<=8.0
2431.50	22.9	10.3	10.6	2.0	-49.3	<=8.0
2431.55	24.1	10.3	11.8	2.0	-48.1	<=8.0
2431.60	25.1	10.3	12.8	2.0	-47.1	<=8.0
2431.65	25.6	10.3	13.3	2.0	-46.6	<=8.0
2431.70	24.9	10.3	12.6	2.0	-47.3	<=8.0
2431.75	23.9	10.3	11.6	2.0	-48.3	<=8.0
2431.80	22.5	10.3	10.2	2.0	-49.7	<=8.0
2431.85	21.2	10.3	8.9	2.0	-51.0	<=8.0
2431.90	19.9	10.3	7.6	2.0	-52.3	<=8.0
2431.95	18.8	10.3	6.5	2.0	-53.4	<=8.0
2432.00	18.0	10.3	5.7	2.0	-54.2	<=8.0
2432.05	17.2	10.3	4.9	2.0	-55.0	<=8.0
2432.10	16.5	10.3	4.2	2.0	-55.7	<=8.0
2432.15	16.0	10.3	3.7	2.0	-56.2	<=8.0
2432.20	15.6	10.3	3.3	2.0	-56.6	<=8.0
2432.25	15.5	10.3	3.2	2.0	-56.7	<=8.0
2432.30	15.5	10.3	3.2	2.0	-56.7	<=8.0
2432.35	15.3	10.3	3.0	2.0	-56.9	<=8.0
2432.40	15.4	10.3	3.1	2.0	-56.8	<=8.0
2432.45	15.1	10.3	2.8	2.0	-57.1	<=8.0
2432.50	15.2	10.3	2.9	2.0	-57.0	<=8.0
2432.55	15.1	10.3	2.8	2.0	-57.1	<=8.0
2432.60	14.9	10.3	2.6	2.0	-57.3	<=8.0
2432.65	15.0	10.3	2.7	2.0	-57.2	<=8.0
2432.70	15.3	10.3	3.0	2.0	-56.9	<=8.0
2432.75	16.1	10.3	3.8	2.0	-56.1	<=8.0
2432.80	16.1	10.3	3.8	2.0	-56.1	<=8.0
2432.85	16.3	10.3	4.0	2.0	-55.9	<=8.0
2432.90	16.5	10.3	4.2	2.0	-55.7	<=8.0
2432.95	16.4	10.3	4.1	2.0	-55.8	<=8.0
2433.00	16.2	10.3	3.9	2.0	-56.0	<=8.0
2433.05	16.0	10.3	3.7	2.0	-56.2	<=8.0
2433.10	15.1	10.3	2.8	2.0	-57.1	<=8.0
2433.15	15.5	10.3	3.2	2.0	-56.7	<=8.0
2433.20	15.2	10.3	2.9	2.0	-57.0	<=8.0
2433.25	15.2	10.3	2.9	2.0	-57.0	<=8.0

1Mbps CHANNEL 6 Processing Gain						
$G_p = (S/N)_o + M_j + L_{sys}$						
Freq.	G_p	$(S/N)_o$	$M_j = J/S$	L_{sys}	Jammer	PER
(MHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(%)
2433.30	15.0	10.3	2.7	2.0	-57.2	<=8.0
2433.35	14.9	10.3	2.6	2.0	-57.3	<=8.0
2433.40	14.9	10.3	2.6	2.0	-57.3	<=8.0
2433.45	15.0	10.3	2.7	2.0	-57.2	<=8.0
2433.50	15.1	10.3	2.8	2.0	-57.1	<=8.0
2433.55	15.0	10.3	2.7	2.0	-57.2	<=8.0
2433.60	14.8	10.3	2.5	2.0	-57.4	<=8.0
2433.65	14.9	10.3	2.6	2.0	-57.3	<=8.0
2433.70	15.0	10.3	2.7	2.0	-57.2	<=8.0
2433.75	15.4	10.3	3.1	2.0	-56.8	<=8.0
2433.80	13.6	10.3	1.3	2.0	-58.6	<=8.0
2433.85	13.5	10.3	1.2	2.0	-58.7	<=8.0
2433.90	13.4	10.3	1.1	2.0	-58.8	<=8.0
2433.95	13.7	10.3	1.4	2.0	-58.5	<=8.0
2434.00	13.6	10.3	1.3	2.0	-58.6	<=8.0
2434.05	13.6	10.3	1.3	2.0	-58.6	<=8.0
2434.10	13.2	10.3	0.9	2.0	-59.0	<=8.0
2434.15	13.3	10.3	1.0	2.0	-58.9	<=8.0
2434.20	13.3	10.3	1.0	2.0	-58.9	<=8.0
2434.25	13.3	10.3	1.0	2.0	-58.9	<=8.0
2434.30	13.1	10.3	0.8	2.0	-59.1	<=8.0
2434.35	13.0	10.3	0.7	2.0	-59.2	<=8.0
2434.40	13.0	10.3	0.7	2.0	-59.2	<=8.0
2434.45	13.0	10.3	0.7	2.0	-59.2	<=8.0
2434.50	12.9	10.3	0.6	2.0	-59.3	<=8.0
2434.55	12.8	10.3	0.5	2.0	-59.4	<=8.0
2434.60	13.0	10.3	0.7	2.0	-59.2	<=8.0
2434.65	13.3	10.3	1.0	2.0	-58.9	<=8.0
2434.70	13.3	10.3	1.0	2.0	-58.9	<=8.0
2434.75	13.3	10.3	1.0	2.0	-58.9	<=8.0
2434.80	13.3	10.3	1.0	2.0	-58.9	<=8.0
2434.85	13.4	10.3	1.1	2.0	-58.8	<=8.0
2434.90	12.9	10.3	0.6	2.0	-59.3	<=8.0
2434.95	13.1	10.3	0.8	2.0	-59.1	<=8.0
2435.00	13.1	10.3	0.8	2.0	-59.1	<=8.0
2435.05	13.1	10.3	0.8	2.0	-59.1	<=8.0
2435.10	13.2	10.3	0.9	2.0	-59.0	<=8.0
2435.15	13.1	10.3	0.8	2.0	-59.1	<=8.0
2435.20	12.8	10.3	0.5	2.0	-59.4	<=8.0
2435.25	12.9	10.3	0.6	2.0	-59.3	<=8.0
2435.30	12.9	10.3	0.6	2.0	-59.3	<=8.0
2435.35	12.9	10.3	0.6	2.0	-59.3	<=8.0
2435.40	12.8	10.3	0.5	2.0	-59.4	<=8.0
2435.45	12.8	10.3	0.5	2.0	-59.4	<=8.0
2435.50	12.8	10.3	0.5	2.0	-59.4	<=8.0
2435.55	12.9	10.3	0.6	2.0	-59.3	<=8.0
2435.60	13.0	10.3	0.7	2.0	-59.2	<=8.0
2435.65	13.1	10.3	0.8	2.0	-59.1	<=8.0

1Mbps CHANNEL 6 Processing Gain						
Gp = (S/N)o + Mj + Lsys						
Freq.	Gp	(S/N)o	Mj=J/S	Lsys	Jammer	PER
(MHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(%)
2435.70	13.3	10.3	1.0	2.0	-58.9	<=8.0
2435.75	13.3	10.3	1.0	2.0	-58.9	<=8.0
2435.80	13.5	10.3	1.2	2.0	-58.7	<=8.0
2435.85	13.5	10.3	1.2	2.0	-58.7	<=8.0
2435.90	13.6	10.3	1.3	2.0	-58.6	<=8.0
2435.95	13.7	10.3	1.4	2.0	-58.5	<=8.0
2436.00	13.7	10.3	1.4	2.0	-58.5	<=8.0
2436.05	13.5	10.3	1.2	2.0	-58.7	<=8.0
2436.10	13.4	10.3	1.1	2.0	-58.8	<=8.0
2436.15	13.3	10.3	1.0	2.0	-58.9	<=8.0
2436.20	13.1	10.3	0.8	2.0	-59.1	<=8.0
2436.25	12.9	10.3	0.6	2.0	-59.3	<=8.0
2436.30	12.7	10.3	0.4	2.0	-59.5	<=8.0
2436.35	12.6	10.3	0.3	2.0	-59.6	<=8.0
2436.40	12.7	10.3	0.4	2.0	-59.5	<=8.0
2436.45	12.4	10.3	0.1	2.0	-59.8	<=8.0
2436.50	12.1	10.3	-0.2	2.0	-60.1	<=8.0
2436.55	12.1	10.3	-0.2	2.0	-60.1	<=8.0
2436.60	12.2	10.3	-0.1	2.0	-60.0	<=8.0
2436.65	12.6	10.3	0.3	2.0	-59.6	<=8.0
2436.70	13.1	10.3	0.8	2.0	-59.1	<=8.0
2436.75	13.9	10.3	1.6	2.0	-58.3	<=8.0
2436.80	14.7	10.3	2.4	2.0	-57.5	<=8.0
2436.85	15.4	10.3	3.1	2.0	-56.8	<=8.0
2436.90	16.4	10.3	4.1	2.0	-55.8	<=8.0
2436.95	17.5	10.3	5.2	2.0	-54.7	<=8.0
2437.00	19.0	10.3	6.7	2.0	-53.2	<=8.0
2437.05	20.4	10.3	8.1	2.0	-51.8	<=8.0
2437.10	22.0	10.3	9.7	2.0	-50.2	<=8.0
2437.15	22.7	10.3	10.4	2.0	-49.5	<=8.0
2437.20	21.4	10.3	9.1	2.0	-50.8	<=8.0
2437.25	19.7	10.3	7.4	2.0	-52.5	<=8.0
2437.30	18.4	10.3	6.1	2.0	-53.8	<=8.0
2437.35	17.3	10.3	5.0	2.0	-54.9	<=8.0
2437.40	16.1	10.3	3.8	2.0	-56.1	<=8.0
2437.45	15.1	10.3	2.8	2.0	-57.1	<=8.0
2437.50	14.1	10.3	1.8	2.0	-58.1	<=8.0
2437.55	13.8	10.3	1.5	2.0	-58.4	<=8.0
2437.60	13.2	10.3	0.9	2.0	-59.0	<=8.0
2437.65	12.7	10.3	0.4	2.0	-59.5	<=8.0
2437.70	12.5	10.3	0.2	2.0	-59.7	<=8.0
2437.75	12.4	10.3	0.1	2.0	-59.8	<=8.0
2437.80	12.4	10.3	0.1	2.0	-59.8	<=8.0
2437.85	12.3	10.3	0.0	2.0	-59.9	<=8.0
2437.90	12.0	10.3	-0.3	2.0	-60.2	<=8.0
2437.95	12.2	10.3	-0.1	2.0	-60.0	<=8.0
2438.00	13.1	10.3	0.8	2.0	-59.1	<=8.0
2438.05	13.4	10.3	1.1	2.0	-58.8	<=8.0

1Mbps CHANNEL 6 Processing Gain						
Gp = (S/N)o + Mj + Lsys						
Freq.	Gp	(S/N)o	Mj=J/S	Lsys	Jammer	PER
(MHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(%)
2438.10	13.8	10.3	1.5	2.0	-58.4	<=8.0
2438.15	14.0	10.3	1.7	2.0	-58.2	<=8.0
2438.20	14.2	10.3	1.9	2.0	-58.0	<=8.0
2438.25	14.5	10.3	2.2	2.0	-57.7	<=8.0
2438.30	14.4	10.3	2.1	2.0	-57.8	<=8.0
2438.35	14.4	10.3	2.1	2.0	-57.8	<=8.0
2438.40	14.5	10.3	2.2	2.0	-57.7	<=8.0
2438.45	14.4	10.3	2.1	2.0	-57.8	<=8.0
2438.50	14.3	10.3	2.0	2.0	-57.9	<=8.0
2438.55	14.2	10.3	1.9	2.0	-58.0	<=8.0
2438.60	14.1	10.3	1.8	2.0	-58.1	<=8.0
2438.65	13.9	10.3	1.6	2.0	-58.3	<=8.0
2438.70	13.9	10.3	1.6	2.0	-58.3	<=8.0
2438.75	13.9	10.3	1.6	2.0	-58.3	<=8.0
2438.80	13.8	10.3	1.5	2.0	-58.4	<=8.0
2438.85	13.8	10.3	1.5	2.0	-58.4	<=8.0
2438.90	13.6	10.3	1.3	2.0	-58.6	<=8.0
2438.95	13.7	10.3	1.4	2.0	-58.5	<=8.0
2439.00	13.5	10.3	1.2	2.0	-58.7	<=8.0
2439.05	13.8	10.3	1.5	2.0	-58.4	<=8.0
2439.10	13.7	10.3	1.4	2.0	-58.5	<=8.0
2439.15	14.0	10.3	1.7	2.0	-58.2	<=8.0
2439.20	14.1	10.3	1.8	2.0	-58.1	<=8.0
2439.25	14.3	10.3	2.0	2.0	-57.9	<=8.0
2439.30	14.1	10.3	1.8	2.0	-58.1	<=8.0
2439.35	14.1	10.3	1.8	2.0	-58.1	<=8.0
2439.40	14.2	10.3	1.9	2.0	-58.0	<=8.0
2439.45	14.3	10.3	2.0	2.0	-57.9	<=8.0
2439.50	14.0	10.3	1.7	2.0	-58.2	<=8.0
2439.55	14.0	10.3	1.7	2.0	-58.2	<=8.0
2439.60	13.9	10.3	1.6	2.0	-58.3	<=8.0
2439.65	13.9	10.3	1.6	2.0	-58.3	<=8.0
2439.70	13.8	10.3	1.5	2.0	-58.4	<=8.0
2439.75	13.7	10.3	1.4	2.0	-58.5	<=8.0
2439.80	13.7	10.3	1.4	2.0	-58.5	<=8.0
2439.85	13.8	10.3	1.5	2.0	-58.4	<=8.0
2439.90	13.6	10.3	1.3	2.0	-58.6	<=8.0
2439.95	13.8	10.3	1.5	2.0	-58.4	<=8.0
2440.00	13.6	10.3	1.3	2.0	-58.6	<=8.0
2440.05	13.7	10.3	1.4	2.0	-58.5	<=8.0
2440.10	13.7	10.3	1.4	2.0	-58.5	<=8.0
2440.15	14.3	10.3	2.0	2.0	-57.9	<=8.0
2440.20	14.2	10.3	1.9	2.0	-58.0	<=8.0
2440.25	14.3	10.3	2.0	2.0	-57.9	<=8.0
2440.30	14.3	10.3	2.0	2.0	-57.9	<=8.0
2440.35	14.3	10.3	2.0	2.0	-57.9	<=8.0
2440.40	14.5	10.3	2.2	2.0	-57.7	<=8.0
2440.45	14.7	10.3	2.4	2.0	-57.5	<=8.0

1Mbps CHANNEL 6 Processing Gain						
Gp = (S/N)o + Mj + Lsys						
Freq.	Gp	(S/N)o	Mj=J/S	Lsys	Jammer	PER
(MHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(%)
2440.50	14.3	10.3	2.0	2.0	-57.9	<=8.0
2440.55	14.3	10.3	2.0	2.0	-57.9	<=8.0
2440.60	14.0	10.3	1.7	2.0	-58.2	<=8.0
2440.65	13.9	10.3	1.6	2.0	-58.3	<=8.0
2440.70	14.1	10.3	1.8	2.0	-58.1	<=8.0
2440.75	14.2	10.3	1.9	2.0	-58.0	<=8.0
2440.80	14.3	10.3	2.0	2.0	-57.9	<=8.0
2440.85	14.2	10.3	1.9	2.0	-58.0	<=8.0
2440.90	14.2	10.3	1.9	2.0	-58.0	<=8.0
2440.95	14.3	10.3	2.0	2.0	-57.9	<=8.0
2441.00	14.4	10.3	2.1	2.0	-57.8	<=8.0
2441.05	14.2	10.3	1.9	2.0	-58.0	<=8.0
2441.10	14.1	10.3	1.8	2.0	-58.1	<=8.0
2441.15	14.7	10.3	2.4	2.0	-57.5	<=8.0
2441.20	14.8	10.3	2.5	2.0	-57.4	<=8.0
2441.25	15.1	10.3	2.8	2.0	-57.1	<=8.0
2441.30	15.3	10.3	3.0	2.0	-56.9	<=8.0
2441.35	15.2	10.3	2.9	2.0	-57.0	<=8.0
2441.40	15.4	10.3	3.1	2.0	-56.8	<=8.0
2441.45	15.4	10.3	3.1	2.0	-56.8	<=8.0
2441.50	15.3	10.3	3.0	2.0	-56.9	<=8.0
2441.55	15.1	10.3	2.8	2.0	-57.1	<=8.0
2441.60	14.5	10.3	2.2	2.0	-57.7	<=8.0
2441.65	14.3	10.3	2.0	2.0	-57.9	<=8.0
2441.70	14.1	10.3	1.8	2.0	-58.1	<=8.0
2441.75	14.5	10.3	2.2	2.0	-57.7	<=8.0
2441.80	14.6	10.3	2.3	2.0	-57.6	<=8.0
2441.85	14.5	10.3	2.2	2.0	-57.7	<=8.0
2441.90	14.4	10.3	2.1	2.0	-57.8	<=8.0
2441.95	14.3	10.3	2.0	2.0	-57.9	<=8.0
2442.00	14.6	10.3	2.3	2.0	-57.6	<=8.0
2442.05	14.5	10.3	2.2	2.0	-57.7	<=8.0
2442.10	14.7	10.3	2.4	2.0	-57.5	<=8.0
2442.15	15.1	10.3	2.8	2.0	-57.1	<=8.0
2442.20	15.7	10.3	3.4	2.0	-56.5	<=8.0
2442.25	16.4	10.3	4.1	2.0	-55.8	<=8.0
2442.30	17.3	10.3	5.0	2.0	-54.9	<=8.0
2442.35	17.9	10.3	5.6	2.0	-54.3	<=8.0
2442.40	19.3	10.3	7.0	2.0	-52.9	<=8.0
2442.45	20.5	10.3	8.2	2.0	-51.7	<=8.0
2442.50	21.6	10.3	9.3	2.0	-50.6	<=8.0
2442.55	23.1	10.3	10.8	2.0	-49.1	<=8.0
2442.60	24.0	10.3	11.7	2.0	-48.2	<=8.0
2442.65	24.5	10.3	12.2	2.0	-47.7	<=8.0
2442.70	23.9	10.3	11.6	2.0	-48.3	<=8.0
2442.75	23.1	10.3	10.8	2.0	-49.1	<=8.0
2442.80	21.5	10.3	9.2	2.0	-50.7	<=8.0
2442.85	20.4	10.3	8.1	2.0	-51.8	<=8.0

1Mbps CHANNEL 6 Processing Gain						
$G_p = (S/N)_o + M_j + L_{sys}$						
Freq.	G_p	$(S/N)_o$	$M_j = J/S$	L_{sys}	Jammer	PER
(MHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(%)
2442.90	19.2	10.3	6.9	2.0	-53.0	≤ 8.0
2442.95	18.0	10.3	5.7	2.0	-54.2	≤ 8.0
2443.00	16.9	10.3	4.6	2.0	-55.3	≤ 8.0
2443.05	16.3	10.3	4.0	2.0	-55.9	≤ 8.0
2443.10	15.8	10.3	3.5	2.0	-56.4	≤ 8.0
2443.15	15.3	10.3	3.0	2.0	-56.9	≤ 8.0
2443.20	15.1	10.3	2.8	2.0	-57.1	≤ 8.0
2443.25	15.2	10.3	2.9	2.0	-57.0	≤ 8.0
2443.30	15.5	10.3	3.2	2.0	-56.7	≤ 8.0
2443.35	15.4	10.3	3.1	2.0	-56.8	≤ 8.0
2443.40	15.4	10.3	3.1	2.0	-56.8	≤ 8.0
2443.45	15.4	10.3	3.1	2.0	-56.8	≤ 8.0
2443.50	15.3	10.3	3.0	2.0	-56.9	≤ 8.0
2443.55	15.1	10.3	2.8	2.0	-57.1	≤ 8.0
2443.60	14.7	10.3	2.4	2.0	-57.5	≤ 8.0
2443.65	14.8	10.3	2.5	2.0	-57.4	≤ 8.0
2443.70	14.8	10.3	2.5	2.0	-57.4	≤ 8.0
2443.75	15.2	10.3	2.9	2.0	-57.0	≤ 8.0
2443.80	16.0	10.3	3.7	2.0	-56.2	≤ 8.0
2443.85	17.1	10.3	4.8	2.0	-55.1	≤ 8.0
2443.90	17.2	10.3	4.9	2.0	-55.0	≤ 8.0
2443.95	17.1	10.3	4.8	2.0	-55.1	≤ 8.0
2444.00	16.9	10.3	4.6	2.0	-55.3	≤ 8.0
2444.05	16.6	10.3	4.3	2.0	-55.6	≤ 8.0
2444.10	16.4	10.3	4.1	2.0	-55.8	≤ 8.0
2444.15	16.2	10.3	3.9	2.0	-56.0	≤ 8.0
2444.20	16.2	10.3	3.9	2.0	-56.0	≤ 8.0
2444.25	16.3	10.3	4.0	2.0	-55.9	≤ 8.0
2444.30	16.6	10.3	4.3	2.0	-55.6	≤ 8.0
2444.35	16.6	10.3	4.3	2.0	-55.6	≤ 8.0
2444.40	16.6	10.3	4.3	2.0	-55.6	≤ 8.0
2444.45	16.5	10.3	4.2	2.0	-55.7	≤ 8.0
2444.50	16.3	10.3	4.0	2.0	-55.9	≤ 8.0
2444.55	15.9	10.3	3.6	2.0	-56.3	≤ 8.0
2444.60	15.6	10.3	3.3	2.0	-56.6	≤ 8.0
2444.65	15.7	10.3	3.4	2.0	-56.5	≤ 8.0
2444.70	16.0	10.3	3.7	2.0	-56.2	≤ 8.0
2444.75	16.5	10.3	4.2	2.0	-55.7	≤ 8.0
2444.80	17.3	10.3	5.0	2.0	-54.9	≤ 8.0
2444.85	17.7	10.3	5.4	2.0	-54.5	≤ 8.0
2444.90	17.8	10.3	5.5	2.0	-54.4	≤ 8.0
2444.95	17.7	10.3	5.4	2.0	-54.5	≤ 8.0
2445.00	17.5	10.3	5.2	2.0	-54.7	≤ 8.0
2445.05	17.2	10.3	4.9	2.0	-55.0	≤ 8.0
2445.10	17.1	10.3	4.8	2.0	-55.1	≤ 8.0
2445.15	16.9	10.3	4.6	2.0	-55.3	≤ 8.0
2445.20	17.0	10.3	4.7	2.0	-55.2	≤ 8.0
2445.25	17.2	10.3	4.9	2.0	-55.0	≤ 8.0

1Mbps CHANNEL 6 Processing Gain						
Gp = (S/N)o + Mj + Lsys						
Freq.	Gp	(S/N)o	Mj=J/S	Lsys	Jammer	PER
(MHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(%)
2445.30	17.5	10.3	5.2	2.0	-54.7	<=8.0
2445.35	17.6	10.3	5.3	2.0	-54.6	<=8.0
2445.40	17.7	10.3	5.4	2.0	-54.5	<=8.0
2445.45	17.6	10.3	5.3	2.0	-54.6	<=8.0
2445.50	17.3	10.3	5.0	2.0	-54.9	<=8.0

13.6

Test Conditions

TX Card **HWB3163-04 Rev B**
S/N **99360038**
RX Card **ISL36342U-EVAL Rev C1**
S/N **01060093**
TX Firmware **P10002C0, MS11168A3**
RX Firmware **PU010000, SU010000**
Software Ver. **3.0.24**
Mode **1 MB Pseudo IBSS**
Pkt Size **1024**
Pkt Dly **1**
Pkt Burst **6**

Intersil Chips on Card: **HFA38421N**
HFA38631N
HFA37831N
HFA3683A1N
HFA3983IV

ISL36342U-EVAL, s/n 93
CH6 Processing Gain
1 MB Data Rate

Processing Gain ISL36342U_EVAL rev 2.xls

Measured by:
S. Rothwell

Processing Gain (dB)	XMIT level	-59.9
	S/N+Ls	12.3
	0dB J/S	0.0
PG	Offset	Signal Generator Delta
19.1	-8500	6.8
18.4	-8450	6.1
17.9	-8400	5.6
17.6	-8350	5.3
17.8	-8300	5.5
18.1	-8250	5.8
18.7	-8200	6.4
19.0	-8150	6.7
18.9	-8100	6.6
18.8	-8050	6.5
18.6	-8000	6.3
18.4	-7950	6.1
18.3	-7900	6.0
18.3	-7850	6.0
18.3	-7800	6.0
18.5	-7750	6.2
18.8	-7700	6.5
19.0	-7650	6.7
19.1	-7600	6.8
18.8	-7550	6.5
18.4	-7500	6.1
17.8	-7450	5.5
17.1	-7400	4.8
16.9	-7350	4.6
17.0	-7300	4.7
17.4	-7250	5.1
17.8	-7200	5.5
17.9	-7150	5.6
17.8	-7100	5.5
17.6	-7050	5.3
17.4	-7000	5.1
17.1	-6950	4.8
17.2	-6900	4.9
17.2	-6850	4.9
17.4	-6800	5.1
17.8	-6750	5.5
18.2	-6700	5.9
18.3	-6650	6.0
18.4	-6600	6.1
18.1	-6550	5.8
17.6	-6500	5.3
17.0	-6450	4.7
16.3	-6400	4.0
15.9	-6350	3.6
15.8	-6300	3.5
16.0	-6250	3.7
16.4	-6200	4.1

ISL36342U-EVAL, s/n 93
CH6 Processing Gain
1 MB Data Rate

Processing Gain ISL36342U_EVAL rev 2.xls

Measured by:
S. Rothwell

16.4	-6150	4.1
16.4	-6100	4.1
16.2	-6050	3.9
16.3	-6000	4.0
16.1	-5950	3.8
16.1	-5900	3.8
16.5	-5850	4.2
17.0	-5800	4.7
17.8	-5750	5.5
18.7	-5700	6.4
19.6	-5650	7.3
18.6	-5600	6.3
21.7	-5550	9.4
22.9	-5500	10.6
24.1	-5450	11.8
25.1	-5400	12.8
25.6	-5350	13.3
24.9	-5300	12.6
23.9	-5250	11.6
22.5	-5200	10.2
21.2	-5150	8.9
19.9	-5100	7.6
18.8	-5050	6.5
18.0	-5000	5.7
17.2	-4950	4.9
16.5	-4900	4.2
16.0	-4850	3.7
15.6	-4800	3.3
15.5	-4750	3.2
15.5	-4700	3.2
15.3	-4650	3.0
15.4	-4600	3.1
15.1	-4550	2.8
15.2	-4500	2.9
15.1	-4450	2.8
14.9	-4400	2.6
15.0	-4350	2.7
15.3	-4300	3.0
16.1	-4250	3.8
16.1	-4200	3.8
16.3	-4150	4.0
16.5	-4100	4.2
16.4	-4050	4.1
16.2	-4000	3.9
16.0	-3950	3.7
15.1	-3900	2.8
15.5	-3850	3.2
15.2	-3800	2.9
15.2	-3750	2.9
15.0	-3700	2.7
14.9	-3650	2.6
14.9	-3600	2.6

ISL36342U-EVAL, s/n 93
CH6 Processing Gain
1 MB Data Rate

Processing Gain ISL36342U_EVAL rev 2.xls

Measured by:
S. Rothwell

15.0	-3550	2.7
15.1	-3500	2.8
15.0	-3450	2.7
14.8	-3400	2.5
14.9	-3350	2.6
15.0	-3300	2.7
15.4	-3250	3.1
13.6	-3200	1.3
13.5	-3150	1.2
13.4	-3100	1.1
13.7	-3050	1.4
13.6	-3000	1.3
13.6	-2950	1.3
13.2	-2900	0.9
13.3	-2850	1.0
13.3	-2800	1.0
13.3	-2750	1.0
13.1	-2700	0.8
13.0	-2650	0.7
13.0	-2600	0.7
13.0	-2550	0.7
12.9	-2500	0.6
12.8	-2450	0.5
13.0	-2400	0.7
13.3	-2350	1.0
13.3	-2300	1.0
13.3	-2250	1.0
13.3	-2200	1.0
13.4	-2150	1.1
12.9	-2100	0.6
13.1	-2050	0.8
13.1	-2000	0.8
13.1	-1950	0.8
13.2	-1900	0.9
13.1	-1850	0.8
12.8	-1800	0.5
12.9	-1750	0.6
12.9	-1700	0.6
12.9	-1650	0.6
12.8	-1600	0.5
12.8	-1550	0.5
12.8	-1500	0.5
12.9	-1450	0.6
13.0	-1400	0.7
13.1	-1350	0.8
13.3	-1300	1.0
13.3	-1250	1.0
13.5	-1200	1.2
13.5	-1150	1.2
13.6	-1100	1.3
13.7	-1050	1.4
13.7	-1000	1.4

ISL36342U-EVAL, s/n 93
CH6 Processing Gain
1 MB Data Rate

Processing Gain ISL36342U_EVAL rev 2.xls

Measured by:
S. Rothwell

13.5	-950	1.2
13.4	-900	1.1
13.3	-850	1.0
13.1	-800	0.8
12.9	-750	0.6
12.7	-700	0.4
12.6	-650	0.3
12.7	-600	0.4
12.4	-550	0.1
12.1	-500	-0.2
12.1	-450	-0.2
12.2	-400	-0.1
12.6	-350	0.3
13.1	-300	0.8
13.9	-250	1.6
14.7	-200	2.4
15.4	-150	3.1
16.4	-100	4.1
17.5	-50	5.2
19.0	0	6.7
20.4	50	8.1
22.0	100	9.7
22.7	150	10.4
21.4	200	9.1
19.7	250	7.4
18.4	300	6.1
17.3	350	5.0
16.1	400	3.8
15.1	450	2.8
14.1	500	1.8
13.8	550	1.5
13.2	600	0.9
12.7	650	0.4
12.5	700	0.2
12.4	750	0.1
12.4	800	0.1
12.3	850	0.0
12.0	900	-0.3
12.2	950	-0.1
13.1	1000	0.8
13.4	1050	1.1
13.8	1100	1.5
14.0	1150	1.7
14.2	1200	1.9
14.5	1250	2.2
14.4	1300	2.1
14.4	1350	2.1
14.5	1400	2.2
14.4	1450	2.1
14.3	1500	2.0
14.2	1550	1.9
14.1	1600	1.8

ISL36342U-EVAL, s/n 93
CH6 Processing Gain
1 MB Data Rate

Processing Gain ISL36342U_EVAL rev 2.xls

Measured by:
S. Rothwell

13.9	1650	1.6
13.9	1700	1.6
13.9	1750	1.6
13.8	1800	1.5
13.8	1850	1.5
13.6	1900	1.3
13.7	1950	1.4
13.5	2000	1.2
13.8	2050	1.5
13.7	2100	1.4
14.0	2150	1.7
14.1	2200	1.8
14.3	2250	2.0
14.1	2300	1.8
14.1	2350	1.8
14.2	2400	1.9
14.3	2450	2.0
14.0	2500	1.7
14.0	2550	1.7
13.9	2600	1.6
13.9	2650	1.6
13.8	2700	1.5
13.7	2750	1.4
13.7	2800	1.4
13.8	2850	1.5
13.6	2900	1.3
13.8	2950	1.5
13.6	3000	1.3
13.7	3050	1.4
13.7	3100	1.4
14.3	3150	2.0
14.2	3200	1.9
14.3	3250	2.0
14.3	3300	2.0
14.3	3350	2.0
14.5	3400	2.2
14.7	3450	2.4
14.3	3500	2.0
14.3	3550	2.0
14.0	3600	1.7
13.9	3650	1.6
14.1	3700	1.8
14.2	3750	1.9
14.3	3800	2.0
14.2	3850	1.9
14.2	3900	1.9
14.3	3950	2.0
14.4	4000	2.1
14.2	4050	1.9
14.1	4100	1.8
14.7	4150	2.4
14.8	4200	2.5

ISL36342U-EVAL, s/n 93
CH6 Processing Gain
1 MB Data Rate

Processing Gain ISL36342U_EVAL rev 2.xls

Measured by:
S. Rothwell

15.1	4250	2.8
15.3	4300	3.0
15.2	4350	2.9
15.4	4400	3.1
15.4	4450	3.1
15.3	4500	3.0
15.1	4550	2.8
14.5	4600	2.2
14.3	4650	2.0
14.1	4700	1.8
14.5	4750	2.2
14.6	4800	2.3
14.5	4850	2.2
14.4	4900	2.1
14.3	4950	2.0
14.6	5000	2.3
14.5	5050	2.2
14.7	5100	2.4
15.1	5150	2.8
15.7	5200	3.4
16.4	5250	4.1
17.3	5300	5.0
17.9	5350	5.6
19.3	5400	7.0
20.5	5450	8.2
21.6	5500	9.3
23.1	5550	10.8
24.0	5600	11.7
24.5	5650	12.2
23.9	5700	11.6
23.1	5750	10.8
21.5	5800	9.2
20.4	5850	8.1
19.2	5900	6.9
18.0	5950	5.7
16.9	6000	4.6
16.3	6050	4.0
15.8	6100	3.5
15.3	6150	3.0
15.1	6200	2.8
15.2	6250	2.9
15.5	6300	3.2
15.4	6350	3.1
15.4	6400	3.1
15.4	6450	3.1
15.3	6500	3.0
15.1	6550	2.8
14.7	6600	2.4
14.8	6650	2.5
14.8	6700	2.5
15.2	6750	2.9
16.0	6800	3.7

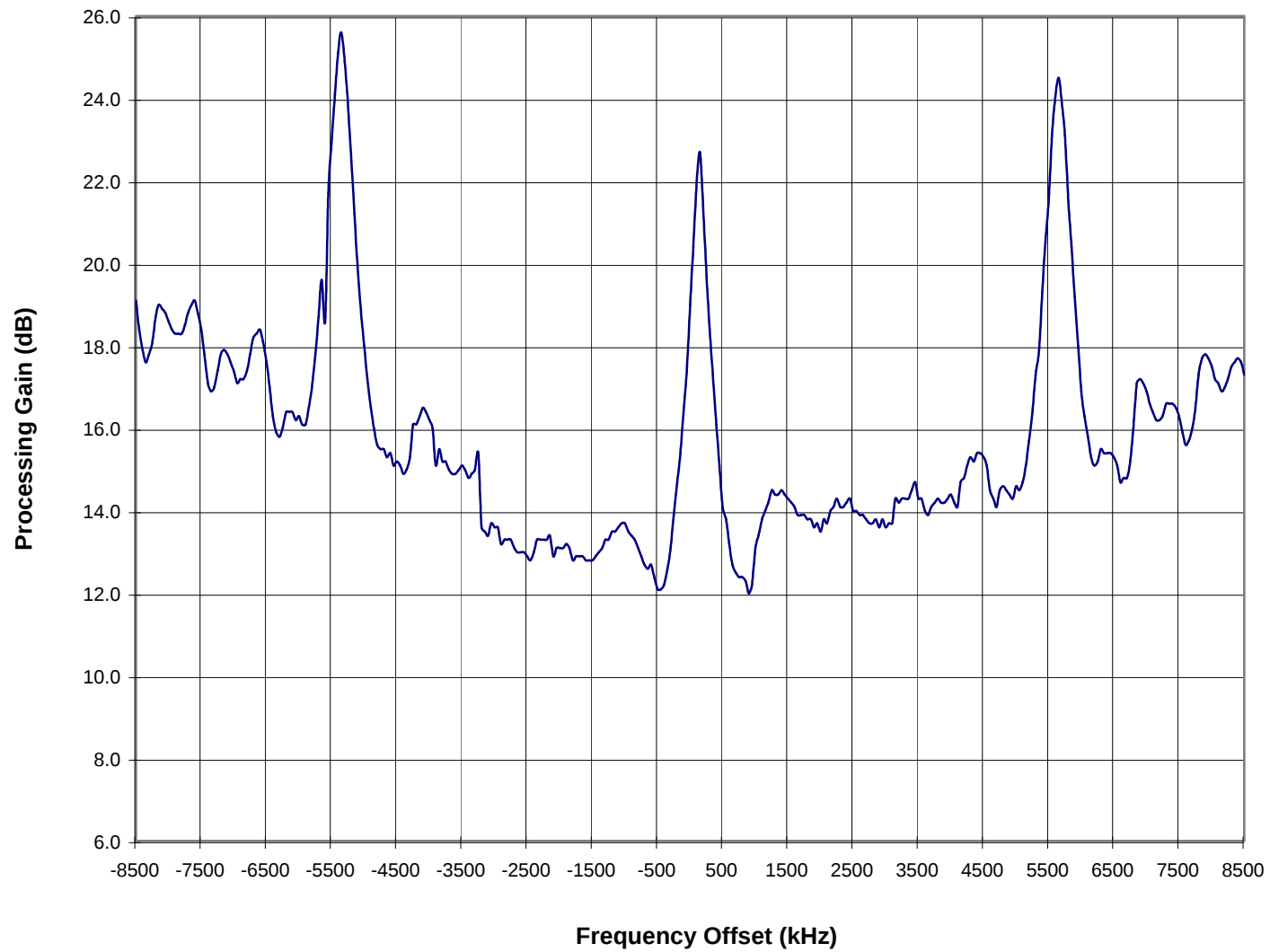
ISL36342U-EVAL, s/n 93
CH6 Processing Gain
1 MB Data Rate

Processing Gain ISL36342U_EVAL rev 2.xls

Measured by:
S. Rothwell

17.1	6850	4.8
17.2	6900	4.9
17.1	6950	4.8
16.9	7000	4.6
16.6	7050	4.3
16.4	7100	4.1
16.2	7150	3.9
16.2	7200	3.9
16.3	7250	4.0
16.6	7300	4.3
16.6	7350	4.3
16.6	7400	4.3
16.5	7450	4.2
16.3	7500	4.0
15.9	7550	3.6
15.6	7600	3.3
15.7	7650	3.4
16.0	7700	3.7
16.5	7750	4.2
17.3	7800	5.0
17.7	7850	5.4
17.8	7900	5.5
17.7	7950	5.4
17.5	8000	5.2
17.2	8050	4.9
17.1	8100	4.8
16.9	8150	4.6
17.0	8200	4.7
17.2	8250	4.9
17.5	8300	5.2
17.6	8350	5.3
17.7	8400	5.4
17.6	8450	5.3
17.3	8500	5.0
Processing Gain (dB) @ 80th Percentile =		13.6

**Processing Gain
Channel 6 (fc=2437MHz) @ 1Mbps**



2Mbps CHANNEL 6 Processing Gain						
Gp = (S/N)o + Mj + Lsys						
Freq.	Gp	(S/N)o	Mj=J/S	Lsys	Jammer	PER
(MHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(%)
2428.50	22.4	13.3	7.1	2.0	-52.8	<=8.0
2428.55	21.7	13.3	6.4	2.0	-53.5	<=8.0
2428.60	21.1	13.3	5.8	2.0	-54.1	<=8.0
2428.65	20.9	13.3	5.6	2.0	-54.3	<=8.0
2428.70	21.1	13.3	5.8	2.0	-54.1	<=8.0
2428.75	21.4	13.3	6.1	2.0	-53.8	<=8.0
2428.80	22.0	13.3	6.7	2.0	-53.2	<=8.0
2428.85	22.3	13.3	7.0	2.0	-52.9	<=8.0
2428.90	22.2	13.3	6.9	2.0	-53.0	<=8.0
2428.95	22.1	13.3	6.8	2.0	-53.1	<=8.0
2429.00	21.9	13.3	6.6	2.0	-53.3	<=8.0
2429.05	21.7	13.3	6.4	2.0	-53.5	<=8.0
2429.10	21.5	13.3	6.2	2.0	-53.7	<=8.0
2429.15	21.6	13.3	6.3	2.0	-53.6	<=8.0
2429.20	21.5	13.3	6.2	2.0	-53.7	<=8.0
2429.25	21.9	13.3	6.6	2.0	-53.3	<=8.0
2429.30	22.1	13.3	6.8	2.0	-53.1	<=8.0
2429.35	22.2	13.3	6.9	2.0	-53.0	<=8.0
2429.40	22.0	13.3	6.7	2.0	-53.2	<=8.0
2429.45	21.7	13.3	6.4	2.0	-53.5	<=8.0
2429.50	21.5	13.3	6.2	2.0	-53.7	<=8.0
2429.55	21.0	13.3	5.7	2.0	-54.2	<=8.0
2429.60	20.3	13.3	5.0	2.0	-54.9	<=8.0
2429.65	20.1	13.3	4.8	2.0	-55.1	<=8.0
2429.70	20.3	13.3	5.0	2.0	-54.9	<=8.0
2429.75	20.7	13.3	5.4	2.0	-54.5	<=8.0
2429.80	20.7	13.3	5.4	2.0	-54.5	<=8.0
2429.85	20.5	13.3	5.2	2.0	-54.7	<=8.0
2429.90	20.4	13.3	5.1	2.0	-54.8	<=8.0
2429.95	20.3	13.3	5.0	2.0	-54.9	<=8.0
2430.00	20.6	13.3	5.3	2.0	-54.6	<=8.0
2430.05	20.5	13.3	5.2	2.0	-54.7	<=8.0
2430.10	20.3	13.3	5.0	2.0	-54.9	<=8.0
2430.15	20.1	13.3	4.8	2.0	-55.1	<=8.0
2430.20	20.1	13.3	4.8	2.0	-55.1	<=8.0
2430.25	20.1	13.3	4.8	2.0	-55.1	<=8.0
2430.30	20.0	13.3	4.7	2.0	-55.2	<=8.0
2430.35	19.7	13.3	4.4	2.0	-55.5	<=8.0
2430.40	19.2	13.3	3.9	2.0	-56.0	<=8.0
2430.45	19.1	13.3	3.8	2.0	-56.1	<=8.0
2430.50	19.1	13.3	3.8	2.0	-56.1	<=8.0
2430.55	19.0	13.3	3.7	2.0	-56.2	<=8.0
2430.60	19.1	13.3	3.8	2.0	-56.1	<=8.0
2430.65	18.9	13.3	3.6	2.0	-56.3	<=8.0
2430.70	18.8	13.3	3.5	2.0	-56.4	<=8.0
2430.75	18.1	13.3	2.8	2.0	-57.1	<=8.0
2430.80	17.8	13.3	2.5	2.0	-57.4	<=8.0
2430.85	17.1	13.3	1.8	2.0	-58.1	<=8.0

2Mbps CHANNEL 6 Processing Gain						
Gp = (S/N)o + Mj + Lsys						
Freq.	Gp	(S/N)o	Mj=J/S	Lsys	Jammer	PER
(MHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(%)
2430.90	17.0	13.3	1.7	2.0	-58.2	<=8.0
2430.95	16.9	13.3	1.6	2.0	-58.3	<=8.0
2431.00	16.9	13.3	1.6	2.0	-58.3	<=8.0
2431.05	17.0	13.3	1.7	2.0	-58.2	<=8.0
2431.10	17.1	13.3	1.8	2.0	-58.1	<=8.0
2431.15	17.1	13.3	1.8	2.0	-58.1	<=8.0
2431.20	18.1	13.3	2.8	2.0	-57.1	<=8.0
2431.25	18.0	13.3	2.7	2.0	-57.2	<=8.0
2431.30	19.3	13.3	4.0	2.0	-55.9	<=8.0
2431.35	19.5	13.3	4.2	2.0	-55.7	<=8.0
2431.40	19.8	13.3	4.5	2.0	-55.4	<=8.0
2431.45	22.1	13.3	6.8	2.0	-53.1	<=8.0
2431.50	22.2	13.3	6.9	2.0	-53.0	<=8.0
2431.55	24.3	13.3	9.0	2.0	-50.9	<=8.0
2431.60	25.8	13.3	10.5	2.0	-49.4	<=8.0
2431.65	25.8	13.3	10.5	2.0	-49.4	<=8.0
2431.70	24.6	13.3	9.3	2.0	-50.6	<=8.0
2431.75	22.8	13.3	7.5	2.0	-52.4	<=8.0
2431.80	22.3	13.3	7.0	2.0	-52.9	<=8.0
2431.85	20.4	13.3	5.1	2.0	-54.8	<=8.0
2431.90	18.7	13.3	3.4	2.0	-56.5	<=8.0
2431.95	18.6	13.3	3.3	2.0	-56.6	<=8.0
2432.00	18.5	13.3	3.2	2.0	-56.7	<=8.0
2432.05	18.0	13.3	2.7	2.0	-57.2	<=8.0
2432.10	17.5	13.3	2.2	2.0	-57.7	<=8.0
2432.15	16.5	13.3	1.2	2.0	-58.7	<=8.0
2432.20	15.7	13.3	0.4	2.0	-59.5	<=8.0
2432.25	15.6	13.3	0.3	2.0	-59.6	<=8.0
2432.30	15.6	13.3	0.3	2.0	-59.6	<=8.0
2432.35	15.3	13.3	0.0	2.0	-59.9	<=8.0
2432.40	13.1	13.3	-2.2	2.0	-62.1	<=8.0
2432.45	13.5	13.3	-1.8	2.0	-61.7	<=8.0
2432.50	14.6	13.3	-0.7	2.0	-60.6	<=8.0
2432.55	14.8	13.3	-0.5	2.0	-60.4	<=8.0
2432.60	15.1	13.3	-0.2	2.0	-60.1	<=8.0
2432.65	15.2	13.3	-0.1	2.0	-60.0	<=8.0
2432.70	15.3	13.3	0.0	2.0	-59.9	<=8.0
2432.75	15.6	13.3	0.3	2.0	-59.6	<=8.0
2432.80	15.5	13.3	0.2	2.0	-59.7	<=8.0
2432.85	15.3	13.3	0.0	2.0	-59.9	<=8.0
2432.90	15.1	13.3	-0.2	2.0	-60.1	<=8.0
2432.95	15.3	13.3	0.0	2.0	-59.9	<=8.0
2433.00	15.2	13.3	-0.1	2.0	-60.0	<=8.0
2433.05	15.3	13.3	0.0	2.0	-59.9	<=8.0
2433.10	15.2	13.3	-0.1	2.0	-60.0	<=8.0
2433.15	15.0	13.3	-0.3	2.0	-60.2	<=8.0
2433.20	14.8	13.3	-0.5	2.0	-60.4	<=8.0
2433.25	14.9	13.3	-0.4	2.0	-60.3	<=8.0

2Mbps CHANNEL 6 Processing Gain						
Gp = (S/N)o + Mj + Lsys						
Freq.	Gp	(S/N)o	Mj=J/S	Lsys	Jammer	PER
(MHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(%)
2433.30	14.8	13.3	-0.5	2.0	-60.4	<=8.0
2433.35	13.7	13.3	-1.6	2.0	-61.5	<=8.0
2433.40	12.8	13.3	-2.5	2.0	-62.4	<=8.0
2433.45	15.1	13.3	-0.2	2.0	-60.1	<=8.0
2433.50	13.7	13.3	-1.6	2.0	-61.5	<=8.0
2433.55	14.0	13.3	-1.3	2.0	-61.2	<=8.0
2433.60	14.4	13.3	-0.9	2.0	-60.8	<=8.0
2433.65	14.5	13.3	-0.8	2.0	-60.7	<=8.0
2433.70	14.5	13.3	-0.8	2.0	-60.7	<=8.0
2433.75	14.7	13.3	-0.6	2.0	-60.5	<=8.0
2433.80	14.8	13.3	-0.5	2.0	-60.4	<=8.0
2433.85	14.9	13.3	-0.4	2.0	-60.3	<=8.0
2433.90	13.8	13.3	-1.5	2.0	-61.4	<=8.0
2433.95	15.0	13.3	-0.3	2.0	-60.2	<=8.0
2434.00	16.9	13.3	1.6	2.0	-58.3	<=8.0
2434.05	16.9	13.3	1.6	2.0	-58.3	<=8.0
2434.10	15.3	13.3	0.0	2.0	-59.9	<=8.0
2434.15	14.2	13.3	-1.1	2.0	-61.0	<=8.0
2434.20	14.8	13.3	-0.5	2.0	-60.4	<=8.0
2434.25	15.6	13.3	0.3	2.0	-59.6	<=8.0
2434.30	16.6	13.3	1.3	2.0	-58.6	<=8.0
2434.35	13.2	13.3	-2.1	2.0	-62.0	<=8.0
2434.40	13.2	13.3	-2.1	2.0	-62.0	<=8.0
2434.45	15.3	13.3	0.0	2.0	-59.9	<=8.0
2434.50	15.3	13.3	0.0	2.0	-59.9	<=8.0
2434.55	16.3	13.3	1.0	2.0	-58.9	<=8.0
2434.60	16.0	13.3	0.7	2.0	-59.2	<=8.0
2434.65	16.0	13.3	0.7	2.0	-59.2	<=8.0
2434.70	13.5	13.3	-1.8	2.0	-61.7	<=8.0
2434.75	15.3	13.3	0.0	2.0	-59.9	<=8.0
2434.80	16.4	13.3	1.1	2.0	-58.8	<=8.0
2434.85	14.2	13.3	-1.1	2.0	-61.0	<=8.0
2434.90	13.4	13.3	-1.9	2.0	-61.8	<=8.0
2434.95	15.2	13.3	-0.1	2.0	-60.0	<=8.0
2435.00	15.7	13.3	0.4	2.0	-59.5	<=8.0
2435.05	15.3	13.3	0.0	2.0	-59.9	<=8.0
2435.10	14.9	13.3	-0.4	2.0	-60.3	<=8.0
2435.15	15.0	13.3	-0.3	2.0	-60.2	<=8.0
2435.20	14.9	13.3	-0.4	2.0	-60.3	<=8.0
2435.25	15.1	13.3	-0.2	2.0	-60.1	<=8.0
2435.30	15.3	13.3	0.0	2.0	-59.9	<=8.0
2435.35	14.8	13.3	-0.5	2.0	-60.4	<=8.0
2435.40	14.5	13.3	-0.8	2.0	-60.7	<=8.0
2435.45	14.8	13.3	-0.5	2.0	-60.4	<=8.0
2435.50	15.0	13.3	-0.3	2.0	-60.2	<=8.0
2435.55	15.0	13.3	-0.3	2.0	-60.2	<=8.0
2435.60	15.0	13.3	-0.3	2.0	-60.2	<=8.0
2435.65	13.3	13.3	-2.0	2.0	-61.9	<=8.0

2Mbps CHANNEL 6 Processing Gain						
Gp = (S/N)o + Mj + Lsys						
Freq.	Gp	(S/N)o	Mj=J/S	Lsys	Jammer	PER
(MHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(%)
2435.70	12.5	13.3	-2.8	2.0	-62.7	<=8.0
2435.75	13.5	13.3	-1.8	2.0	-61.7	<=8.0
2435.80	15.9	13.3	0.6	2.0	-59.3	<=8.0
2435.85	14.1	13.3	-1.2	2.0	-61.1	<=8.0
2435.90	12.9	13.3	-2.4	2.0	-62.3	<=8.0
2435.95	13.9	13.3	-1.4	2.0	-61.3	<=8.0
2436.00	15.9	13.3	0.6	2.0	-59.3	<=8.0
2436.05	15.6	13.3	0.3	2.0	-59.6	<=8.0
2436.10	15.1	13.3	-0.2	2.0	-60.1	<=8.0
2436.15	15.0	13.3	-0.3	2.0	-60.2	<=8.0
2436.20	14.8	13.3	-0.5	2.0	-60.4	<=8.0
2436.25	14.7	13.3	-0.6	2.0	-60.5	<=8.0
2436.30	14.5	13.3	-0.8	2.0	-60.7	<=8.0
2436.35	14.3	13.3	-1.0	2.0	-60.9	<=8.0
2436.40	14.1	13.3	-1.2	2.0	-61.1	<=8.0
2436.45	14.3	13.3	-1.0	2.0	-60.9	<=8.0
2436.50	14.6	13.3	-0.7	2.0	-60.6	<=8.0
2436.55	14.7	13.3	-0.6	2.0	-60.5	<=8.0
2436.60	14.8	13.3	-0.5	2.0	-60.4	<=8.0
2436.65	15.2	13.3	-0.1	2.0	-60.0	<=8.0
2436.70	12.9	13.3	-2.4	2.0	-62.3	<=8.0
2436.75	16.3	13.3	1.0	2.0	-58.9	<=8.0
2436.80	17.4	13.3	2.1	2.0	-57.8	<=8.0
2436.85	17.7	13.3	2.4	2.0	-57.5	<=8.0
2436.90	17.0	13.3	1.7	2.0	-58.2	<=8.0
2436.95	20.0	13.3	4.7	2.0	-55.2	<=8.0
2437.00	22.1	13.3	6.8	2.0	-53.1	<=8.0
2437.05	23.6	13.3	8.3	2.0	-51.6	<=8.0
2437.10	24.3	13.3	9.0	2.0	-50.9	<=8.0
2437.15	24.1	13.3	8.8	2.0	-51.1	<=8.0
2437.20	24.0	13.3	8.7	2.0	-51.2	<=8.0
2437.25	22.8	13.3	7.5	2.0	-52.4	<=8.0
2437.30	21.3	13.3	6.0	2.0	-53.9	<=8.0
2437.35	16.9	13.3	1.6	2.0	-58.3	<=8.0
2437.40	18.0	13.3	2.7	2.0	-57.2	<=8.0
2437.45	17.6	13.3	2.3	2.0	-57.6	<=8.0
2437.50	16.9	13.3	1.6	2.0	-58.3	<=8.0
2437.55	16.2	13.3	0.9	2.0	-59.0	<=8.0
2437.60	15.5	13.3	0.2	2.0	-59.7	<=8.0
2437.65	15.0	13.3	-0.3	2.0	-60.2	<=8.0
2437.70	12.1	13.3	-3.2	2.0	-63.1	<=8.0
2437.75	12.7	13.3	-2.6	2.0	-62.5	<=8.0
2437.80	14.6	13.3	-0.7	2.0	-60.6	<=8.0
2437.85	12.7	13.3	-2.6	2.0	-62.5	<=8.0
2437.90	12.0	13.3	-3.3	2.0	-63.2	<=8.0
2437.95	13.5	13.3	-1.8	2.0	-61.7	<=8.0
2438.00	14.6	13.3	-0.7	2.0	-60.6	<=8.0
2438.05	14.5	13.3	-0.8	2.0	-60.7	<=8.0

2Mbps CHANNEL 6 Processing Gain						
Gp = (S/N)o + Mj + Lsys						
Freq.	Gp	(S/N)o	Mj=J/S	Lsys	Jammer	PER
(MHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(%)
2438.10	14.4	13.3	-0.9	2.0	-60.8	<=8.0
2438.15	14.6	13.3	-0.7	2.0	-60.6	<=8.0
2438.20	14.9	13.3	-0.4	2.0	-60.3	<=8.0
2438.25	15.3	13.3	0.0	2.0	-59.9	<=8.0
2438.30	15.7	13.3	0.4	2.0	-59.5	<=8.0
2438.35	15.5	13.3	0.2	2.0	-59.7	<=8.0
2438.40	15.4	13.3	0.1	2.0	-59.8	<=8.0
2438.45	15.6	13.3	0.3	2.0	-59.6	<=8.0
2438.50	15.7	13.3	0.4	2.0	-59.5	<=8.0
2438.55	15.6	13.3	0.3	2.0	-59.6	<=8.0
2438.60	15.3	13.3	0.0	2.0	-59.9	<=8.0
2438.65	12.9	13.3	-2.4	2.0	-62.3	<=8.0
2438.70	12.2	13.3	-3.1	2.0	-63.0	<=8.0
2438.75	13.5	13.3	-1.8	2.0	-61.7	<=8.0
2438.80	14.8	13.3	-0.5	2.0	-60.4	<=8.0
2438.85	13.3	13.3	-2.0	2.0	-61.9	<=8.0
2438.90	12.2	13.3	-3.1	2.0	-63.0	<=8.0
2438.95	13.4	13.3	-1.9	2.0	-61.8	<=8.0
2439.00	15.0	13.3	-0.3	2.0	-60.2	<=8.0
2439.05	14.8	13.3	-0.5	2.0	-60.4	<=8.0
2439.10	14.6	13.3	-0.7	2.0	-60.6	<=8.0
2439.15	14.5	13.3	-0.8	2.0	-60.7	<=8.0
2439.20	14.6	13.3	-0.7	2.0	-60.6	<=8.0
2439.25	14.5	13.3	-0.8	2.0	-60.7	<=8.0
2439.30	14.5	13.3	-0.8	2.0	-60.7	<=8.0
2439.35	14.4	13.3	-0.9	2.0	-60.8	<=8.0
2439.40	14.3	13.3	-1.0	2.0	-60.9	<=8.0
2439.45	14.9	13.3	-0.4	2.0	-60.3	<=8.0
2439.50	15.3	13.3	0.0	2.0	-59.9	<=8.0
2439.55	15.3	13.3	0.0	2.0	-59.9	<=8.0
2439.60	15.4	13.3	0.1	2.0	-59.8	<=8.0
2439.65	13.3	13.3	-2.0	2.0	-61.9	<=8.0
2439.70	12.5	13.3	-2.8	2.0	-62.7	<=8.0
2439.75	14.1	13.3	-1.2	2.0	-61.1	<=8.0
2439.80	12.5	13.3	-2.8	2.0	-62.7	<=8.0
2439.85	12.8	13.3	-2.5	2.0	-62.4	<=8.0
2439.90	11.7	13.3	-3.6	2.0	-63.5	<=8.0
2439.95	13.8	13.3	-1.5	2.0	-61.4	<=8.0
2440.00	13.0	13.3	-2.3	2.0	-62.2	<=8.0
2440.05	14.5	13.3	-0.8	2.0	-60.7	<=8.0
2440.10	14.9	13.3	-0.4	2.0	-60.3	<=8.0
2440.15	13.9	13.3	-1.4	2.0	-61.3	<=8.0
2440.20	14.1	13.3	-1.2	2.0	-61.1	<=8.0
2440.25	15.5	13.3	0.2	2.0	-59.7	<=8.0
2440.30	15.7	13.3	0.4	2.0	-59.5	<=8.0
2440.35	12.6	13.3	-2.7	2.0	-62.6	<=8.0
2440.40	13.0	13.3	-2.3	2.0	-62.2	<=8.0
2440.45	15.7	13.3	0.4	2.0	-59.5	<=8.0

2Mbps CHANNEL 6 Processing Gain						
Gp = (S/N)o + Mj + Lsys						
Freq.	Gp	(S/N)o	Mj=J/S	Lsys	Jammer	PER
(MHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(%)
2440.50	15.5	13.3	0.2	2.0	-59.7	<=8.0
2440.55	16.1	13.3	0.8	2.0	-59.1	<=8.0
2440.60	16.0	13.3	0.7	2.0	-59.2	<=8.0
2440.65	15.5	13.3	0.2	2.0	-59.7	<=8.0
2440.70	13.1	13.3	-2.2	2.0	-62.1	<=8.0
2440.75	13.2	13.3	-2.1	2.0	-62.0	<=8.0
2440.80	14.4	13.3	-0.9	2.0	-60.8	<=8.0
2440.85	13.3	13.3	-2.0	2.0	-61.9	<=8.0
2440.90	12.1	13.3	-3.2	2.0	-63.1	<=8.0
2440.95	13.9	13.3	-1.4	2.0	-61.3	<=8.0
2441.00	14.3	13.3	-1.0	2.0	-60.9	<=8.0
2441.05	14.7	13.3	-0.6	2.0	-60.5	<=8.0
2441.10	14.3	13.3	-1.0	2.0	-60.9	<=8.0
2441.15	13.7	13.3	-1.6	2.0	-61.5	<=8.0
2441.20	15.0	13.3	-0.3	2.0	-60.2	<=8.0
2441.25	16.0	13.3	0.7	2.0	-59.2	<=8.0
2441.30	15.1	13.3	-0.2	2.0	-60.1	<=8.0
2441.35	13.9	13.3	-1.4	2.0	-61.3	<=8.0
2441.40	14.1	13.3	-1.2	2.0	-61.1	<=8.0
2441.45	14.2	13.3	-1.1	2.0	-61.0	<=8.0
2441.50	14.9	13.3	-0.4	2.0	-60.3	<=8.0
2441.55	15.5	13.3	0.2	2.0	-59.7	<=8.0
2441.60	15.5	13.3	0.2	2.0	-59.7	<=8.0
2441.65	15.6	13.3	0.3	2.0	-59.6	<=8.0
2441.70	14.5	13.3	-0.8	2.0	-60.7	<=8.0
2441.75	13.9	13.3	-1.4	2.0	-61.3	<=8.0
2441.80	13.9	13.3	-1.4	2.0	-61.3	<=8.0
2441.85	13.8	13.3	-1.5	2.0	-61.4	<=8.0
2441.90	13.9	13.3	-1.4	2.0	-61.3	<=8.0
2441.95	13.8	13.3	-1.5	2.0	-61.4	<=8.0
2442.00	15.3	13.3	0.0	2.0	-59.9	<=8.0
2442.05	15.4	13.3	0.1	2.0	-59.8	<=8.0
2442.10	15.6	13.3	0.3	2.0	-59.6	<=8.0
2442.15	16.0	13.3	0.7	2.0	-59.2	<=8.0
2442.20	16.3	13.3	1.0	2.0	-58.9	<=8.0
2442.25	18.2	13.3	2.9	2.0	-57.0	<=8.0
2442.30	18.0	13.3	2.7	2.0	-57.2	<=8.0
2442.35	17.7	13.3	2.4	2.0	-57.5	<=8.0
2442.40	19.0	13.3	3.7	2.0	-56.2	<=8.0
2442.45	20.9	13.3	5.6	2.0	-54.3	<=8.0
2442.50	22.5	13.3	7.2	2.0	-52.7	<=8.0
2442.55	24.1	13.3	8.8	2.0	-51.1	<=8.0
2442.60	25.4	13.3	10.1	2.0	-49.8	<=8.0
2442.65	26.7	13.3	11.4	2.0	-48.5	<=8.0
2442.70	25.0	13.3	9.7	2.0	-50.2	<=8.0
2442.75	23.3	13.3	8.0	2.0	-51.9	<=8.0
2442.80	21.3	13.3	6.0	2.0	-53.9	<=8.0
2442.85	19.2	13.3	3.9	2.0	-56.0	<=8.0

2Mbps CHANNEL 6 Processing Gain						
Gp = (S/N)o + Mj + Lsys						
Freq.	Gp	(S/N)o	Mj=J/S	Lsys	Jammer	PER
(MHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(%)
2442.90	18.6	13.3	3.3	2.0	-56.6	<=8.0
2442.95	18.1	13.3	2.8	2.0	-57.1	<=8.0
2443.00	18.0	13.3	2.7	2.0	-57.2	<=8.0
2443.05	18.0	13.3	2.7	2.0	-57.2	<=8.0
2443.10	17.1	13.3	1.8	2.0	-58.1	<=8.0
2443.15	16.2	13.3	0.9	2.0	-59.0	<=8.0
2443.20	16.3	13.3	1.0	2.0	-58.9	<=8.0
2443.25	16.3	13.3	1.0	2.0	-58.9	<=8.0
2443.30	15.9	13.3	0.6	2.0	-59.3	<=8.0
2443.35	15.6	13.3	0.3	2.0	-59.6	<=8.0
2443.40	15.7	13.3	0.4	2.0	-59.5	<=8.0
2443.45	15.8	13.3	0.5	2.0	-59.4	<=8.0
2443.50	16.3	13.3	1.0	2.0	-58.9	<=8.0
2443.55	16.8	13.3	1.5	2.0	-58.4	<=8.0
2443.60	17.3	13.3	2.0	2.0	-57.9	<=8.0
2443.65	18.0	13.3	2.7	2.0	-57.2	<=8.0
2443.70	17.8	13.3	2.5	2.0	-57.4	<=8.0
2443.75	17.6	13.3	2.3	2.0	-57.6	<=8.0
2443.80	18.0	13.3	2.7	2.0	-57.2	<=8.0
2443.85	18.5	13.3	3.2	2.0	-56.7	<=8.0
2443.90	18.4	13.3	3.1	2.0	-56.8	<=8.0
2443.95	18.4	13.3	3.1	2.0	-56.8	<=8.0
2444.00	18.9	13.3	3.6	2.0	-56.3	<=8.0
2444.05	19.5	13.3	4.2	2.0	-55.7	<=8.0
2444.10	19.1	13.3	3.8	2.0	-56.1	<=8.0
2444.15	18.9	13.3	3.6	2.0	-56.3	<=8.0
2444.20	19.1	13.3	3.8	2.0	-56.1	<=8.0
2444.25	19.4	13.3	4.1	2.0	-55.8	<=8.0
2444.30	19.3	13.3	4.0	2.0	-55.9	<=8.0
2444.35	19.3	13.3	4.0	2.0	-55.9	<=8.0
2444.40	19.5	13.3	4.2	2.0	-55.7	<=8.0
2444.45	19.4	13.3	4.1	2.0	-55.8	<=8.0
2444.50	19.3	13.3	4.0	2.0	-55.9	<=8.0
2444.55	19.2	13.3	3.9	2.0	-56.0	<=8.0
2444.60	19.0	13.3	3.7	2.0	-56.2	<=8.0
2444.65	19.1	13.3	3.8	2.0	-56.1	<=8.0
2444.70	19.6	13.3	4.3	2.0	-55.6	<=8.0
2444.75	20.2	13.3	4.9	2.0	-55.0	<=8.0
2444.80	20.8	13.3	5.5	2.0	-54.4	<=8.0
2444.85	21.1	13.3	5.8	2.0	-54.1	<=8.0
2444.90	21.0	13.3	5.7	2.0	-54.2	<=8.0
2444.95	21.1	13.3	5.8	2.0	-54.1	<=8.0
2445.00	20.8	13.3	5.5	2.0	-54.4	<=8.0
2445.05	20.6	13.3	5.3	2.0	-54.6	<=8.0
2445.10	20.6	13.3	5.3	2.0	-54.6	<=8.0
2445.15	20.5	13.3	5.2	2.0	-54.7	<=8.0
2445.20	20.5	13.3	5.2	2.0	-54.7	<=8.0
2445.25	20.4	13.3	5.1	2.0	-54.8	<=8.0

2Mbps CHANNEL 6 Processing Gain						
Gp = (S/N)o + Mj + Lsys						
Freq.	Gp	(S/N)o	Mj=J/S	Lsys	Jammer	PER
(MHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(%)
2445.30	20.7	13.3	5.4	2.0	-54.5	<=8.0
2445.35	21.0	13.3	5.7	2.0	-54.2	<=8.0
2445.40	20.9	13.3	5.6	2.0	-54.3	<=8.0
2445.45	20.9	13.3	5.6	2.0	-54.3	<=8.0
2445.50	20.7	13.3	5.4	2.0	-54.5	<=8.0

14.5

Test Conditions

TX Card **HWB3163-04 Rev B**
 S/N **99360038**
 RX Card **ISL36342U-EVAL Rev C1**
 S/N **01060093**
 TX Firmware **P10002C0, MS11168A3**
 RX Firmware **PU010000, SU010000**
 Software Ver. **3.0.24**
 Mode **2 MB Pseudo IBSS**
 Pkt Size **1024**
 Pkt Dly **1**
 Pkt Burst **0**

Intersil Chips on Card: **HFA38421N**
HFA38631N
HFA37831N
HFA3683A1N
HFA3983IV

Processing Gain (dB)	XMIT level	-59.9	
	S/N+Ls	15.3	
	0dB J/S	0.0	
PG	Offset	Signal Generator Delta	
22.4	-8500	7.1	
21.7	-8450	6.4	
21.1	-8400	5.8	
20.9	-8350	5.6	
21.1	-8300	5.8	
21.4	-8250	6.1	
22.0	-8200	6.7	
22.3	-8150	7.0	
22.2	-8100	6.9	
22.1	-8050	6.8	
21.9	-8000	6.6	
21.7	-7950	6.4	
21.5	-7900	6.2	
21.6	-7850	6.3	
21.5	-7800	6.2	
21.9	-7750	6.6	
22.1	-7700	6.8	
22.2	-7650	6.9	
22.0	-7600	6.7	
21.7	-7550	6.4	
21.5	-7500	6.2	
21.0	-7450	5.7	
20.3	-7400	5.0	
20.1	-7350	4.8	
20.3	-7300	5.0	
20.7	-7250	5.4	
20.7	-7200	5.4	
20.5	-7150	5.2	
20.4	-7100	5.1	
20.3	-7050	5.0	
20.6	-7000	5.3	
20.5	-6950	5.2	
20.3	-6900	5.0	
20.1	-6850	4.8	
20.1	-6800	4.8	
20.1	-6750	4.8	
20.0	-6700	4.7	
19.7	-6650	4.4	
19.2	-6600	3.9	
19.1	-6550	3.8	
19.1	-6500	3.8	
19.0	-6450	3.7	
19.1	-6400	3.8	
18.9	-6350	3.6	
18.8	-6300	3.5	
18.1	-6250	2.8	
17.8	-6200	2.5	

ISL36342U-EVAL, s/n 93
CH6 Processing Gain
2 MB Data Rate

Processing Gain ISL36342U_EVAL rev 2.xls

Measured by:
S. Rothwell

17.1	-6150	1.8	
17.0	-6100	1.7	
16.9	-6050	1.6	
16.9	-6000	1.6	
17.0	-5950	1.7	
17.1	-5900	1.8	
17.1	-5850	1.8	
18.1	-5800	2.8	
18.0	-5750	2.7	
19.3	-5700	4.0	
19.5	-5650	4.2	
19.8	-5600	4.5	
22.1	-5550	6.8	
22.2	-5500	6.9	
24.3	-5450	9.0	
25.8	-5400	10.5	
25.8	-5350	10.5	
24.6	-5300	9.3	
22.8	-5250	7.5	
22.3	-5200	7.0	
20.4	-5150	5.1	
18.7	-5100	3.4	
18.6	-5050	3.3	
18.5	-5000	3.2	
18.0	-4950	2.7	
17.5	-4900	2.2	
16.5	-4850	1.2	
15.7	-4800	0.4	
15.6	-4750	0.3	
15.6	-4700	0.3	
15.3	-4650	0.0	
13.1	-4600	-2.2	
13.5	-4550	-1.8	
14.6	-4500	-0.7	
14.8	-4450	-0.5	
15.1	-4400	-0.2	
15.2	-4350	-0.1	
15.3	-4300	0.0	
15.6	-4250	0.3	
15.5	-4200	0.2	
15.3	-4150	0.0	
15.1	-4100	-0.2	
15.3	-4050	0.0	
15.2	-4000	-0.1	
15.3	-3950	0.0	
15.2	-3900	-0.1	
15.0	-3850	-0.3	
14.8	-3800	-0.5	
14.9	-3750	-0.4	
14.8	-3700	-0.5	
13.7	-3650	-1.6	
12.8	-3600	-2.5	

ISL36342U-EVAL, s/n 93
CH6 Processing Gain
2 MB Data Rate

Processing Gain ISL36342U_EVAL rev 2.xls

Measured by:
S. Rothwell

15.1	-3550	-0.2	
13.7	-3500	-1.6	
14.0	-3450	-1.3	
14.4	-3400	-0.9	
14.5	-3350	-0.8	
14.5	-3300	-0.8	
14.7	-3250	-0.6	
14.8	-3200	-0.5	
14.9	-3150	-0.4	
13.8	-3100	-1.5	
15.0	-3050	-0.3	
16.9	-3000	1.6	
16.9	-2950	1.6	
15.3	-2900	0.0	
14.2	-2850	-1.1	
14.8	-2800	-0.5	
15.6	-2750	0.3	
16.6	-2700	1.3	
13.2	-2650	-2.1	
13.2	-2600	-2.1	
15.3	-2550	0.0	
15.3	-2500	0.0	
16.3	-2450	1.0	
16.0	-2400	0.7	
16.0	-2350	0.7	
13.5	-2300	-1.8	
15.3	-2250	0.0	
16.4	-2200	1.1	
14.2	-2150	-1.1	
13.4	-2100	-1.9	
15.2	-2050	-0.1	
15.7	-2000	0.4	
15.3	-1950	0.0	
14.9	-1900	-0.4	
15.0	-1850	-0.3	
14.9	-1800	-0.4	
15.1	-1750	-0.2	
15.3	-1700	0.0	
14.8	-1650	-0.5	
14.5	-1600	-0.8	
14.8	-1550	-0.5	
15.0	-1500	-0.3	
15.0	-1450	-0.3	
15.0	-1400	-0.3	
13.3	-1350	-2.0	
12.5	-1300	-2.8	
13.5	-1250	-1.8	
15.9	-1200	0.6	
14.1	-1150	-1.2	
12.9	-1100	-2.4	
13.9	-1050	-1.4	
15.9	-1000	0.6	

ISL36342U-EVAL, s/n 93
CH6 Processing Gain
2 MB Data Rate

Processing Gain ISL36342U_EVAL rev 2.xls

Measured by:
S. Rothwell

15.6	-950	0.3	
15.1	-900	-0.2	
15.0	-850	-0.3	
14.8	-800	-0.5	
14.7	-750	-0.6	
14.5	-700	-0.8	
14.3	-650	-1.0	
14.1	-600	-1.2	
14.3	-550	-1.0	
14.6	-500	-0.7	
14.7	-450	-0.6	
14.8	-400	-0.5	
15.2	-350	-0.1	
12.9	-300	-2.4	
16.3	-250	1.0	
17.4	-200	2.1	
17.7	-150	2.4	
17.0	-100	1.7	
20.0	-50	4.7	
22.1	0	6.8	
23.6	50	8.3	
24.3	100	9.0	
24.1	150	8.8	
24.0	200	8.7	
22.8	250	7.5	
21.3	300	6.0	
16.9	350	1.6	
18.0	400	2.7	
17.6	450	2.3	
16.9	500	1.6	
16.2	550	0.9	
15.5	600	0.2	
15.0	650	-0.3	
12.1	700	-3.2	
12.7	750	-2.6	
14.6	800	-0.7	
12.7	850	-2.6	
12.0	900	-3.3	
13.5	950	-1.8	
14.6	1000	-0.7	
14.5	1050	-0.8	
14.4	1100	-0.9	
14.6	1150	-0.7	
14.9	1200	-0.4	
15.3	1250	0.0	
15.7	1300	0.4	
15.5	1350	0.2	
15.4	1400	0.1	
15.6	1450	0.3	
15.7	1500	0.4	
15.6	1550	0.3	
15.3	1600	0.0	

ISL36342U-EVAL, s/n 93
CH6 Processing Gain
2 MB Data Rate

Processing Gain ISL36342U_EVAL rev 2.xls

Measured by:
S. Rothwell

12.9	1650	-2.4	
12.2	1700	-3.1	
13.5	1750	-1.8	
14.8	1800	-0.5	
13.3	1850	-2.0	
12.2	1900	-3.1	
13.4	1950	-1.9	
15.0	2000	-0.3	
14.8	2050	-0.5	
14.6	2100	-0.7	
14.5	2150	-0.8	
14.6	2200	-0.7	
14.5	2250	-0.8	
14.5	2300	-0.8	
14.4	2350	-0.9	
14.3	2400	-1.0	
14.9	2450	-0.4	
15.3	2500	0.0	
15.3	2550	0.0	
15.4	2600	0.1	
13.3	2650	-2.0	
12.5	2700	-2.8	
14.1	2750	-1.2	
12.5	2800	-2.8	
12.8	2850	-2.5	
11.7	2900	-3.6	
13.8	2950	-1.5	
13.0	3000	-2.3	
14.5	3050	-0.8	
14.9	3100	-0.4	
13.9	3150	-1.4	
14.1	3200	-1.2	
15.5	3250	0.2	
15.7	3300	0.4	
12.6	3350	-2.7	
13.0	3400	-2.3	
15.7	3450	0.4	
15.5	3500	0.2	
16.1	3550	0.8	
16.0	3600	0.7	
15.5	3650	0.2	
13.1	3700	-2.2	
13.2	3750	-2.1	
14.4	3800	-0.9	
13.3	3850	-2.0	
12.1	3900	-3.2	
13.9	3950	-1.4	
14.3	4000	-1.0	
14.7	4050	-0.6	
14.3	4100	-1.0	
13.7	4150	-1.6	
15.0	4200	-0.3	

ISL36342U-EVAL, s/n 93
CH6 Processing Gain
2 MB Data Rate

Processing Gain ISL36342U_EVAL rev 2.xls

Measured by:
S. Rothwell

16.0	4250	0.7	
15.1	4300	-0.2	
13.9	4350	-1.4	
14.1	4400	-1.2	
14.2	4450	-1.1	
14.9	4500	-0.4	
15.5	4550	0.2	
15.5	4600	0.2	
15.6	4650	0.3	
14.5	4700	-0.8	
13.9	4750	-1.4	
13.9	4800	-1.4	
13.8	4850	-1.5	
13.9	4900	-1.4	
13.8	4950	-1.5	
15.3	5000	0.0	
15.4	5050	0.1	
15.6	5100	0.3	
16.0	5150	0.7	
16.3	5200	1.0	
18.2	5250	2.9	
18.0	5300	2.7	
17.7	5350	2.4	
19.0	5400	3.7	
20.9	5450	5.6	
22.5	5500	7.2	
24.1	5550	8.8	
25.4	5600	10.1	
26.7	5650	11.4	
25.0	5700	9.7	
23.3	5750	8.0	
21.3	5800	6.0	
19.2	5850	3.9	
18.6	5900	3.3	
18.1	5950	2.8	
18.0	6000	2.7	
18.0	6050	2.7	
17.1	6100	1.8	
16.2	6150	0.9	
16.3	6200	1.0	
16.3	6250	1.0	
15.9	6300	0.6	
15.6	6350	0.3	
15.7	6400	0.4	
15.8	6450	0.5	
16.3	6500	1.0	
16.8	6550	1.5	
17.3	6600	2.0	
18.0	6650	2.7	
17.8	6700	2.5	
17.6	6750	2.3	
18.0	6800	2.7	

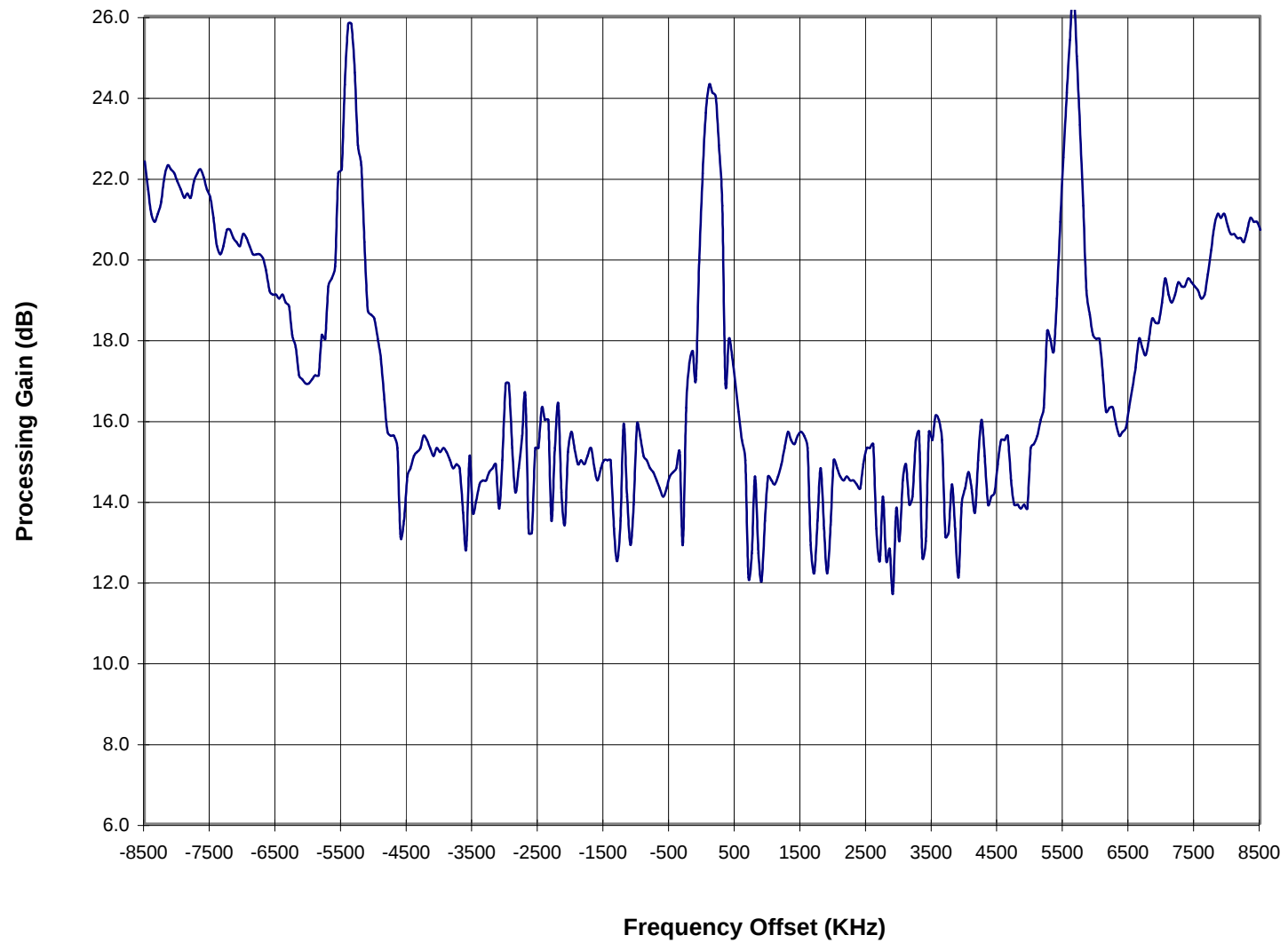
ISL36342U-EVAL, s/n 93
CH6 Processing Gain
2 MB Data Rate

Processing Gain ISL36342U_EVAL rev 2.xls

Measured by:
S. Rothwell

18.5	6850	3.2	
18.4	6900	3.1	
18.4	6950	3.1	
18.9	7000	3.6	
19.5	7050	4.2	
19.1	7100	3.8	
18.9	7150	3.6	
19.1	7200	3.8	
19.4	7250	4.1	
19.3	7300	4.0	
19.3	7350	4.0	
19.5	7400	4.2	
19.4	7450	4.1	
19.3	7500	4.0	
19.2	7550	3.9	
19.0	7600	3.7	
19.1	7650	3.8	
19.6	7700	4.3	
20.2	7750	4.9	
20.8	7800	5.5	
21.1	7850	5.8	
21.0	7900	5.7	
21.1	7950	5.8	
20.8	8000	5.5	
20.6	8050	5.3	
20.6	8100	5.3	
20.5	8150	5.2	
20.5	8200	5.2	
20.4	8250	5.1	
20.7	8300	5.4	
21.0	8350	5.7	
20.9	8400	5.6	
20.9	8450	5.6	
20.7	8500	5.4	
14.5	Processing Gain (dB) @ 80th Percentile =		

Processing Gain
Channel 6 (fc=2437MHz) @ 2Mbps



5.5Mbps CHANNEL 6 Processing Gain						
Gp = (S/N)o + Mj + Lsys						
Freq.	Gp	(S/N)o	Mj=J/S	Lsys	Jammer	PER
(MHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(%)
2428.50	21.5	13.4	6.1	2.0	-53.8	<=8.0
2428.55	20.7	13.4	5.3	2.0	-54.6	<=8.0
2428.60	20.1	13.4	4.7	2.0	-55.2	<=8.0
2428.65	19.9	13.4	4.5	2.0	-55.4	<=8.0
2428.70	20.1	13.4	4.7	2.0	-55.2	<=8.0
2428.75	20.5	13.4	5.1	2.0	-54.8	<=8.0
2428.80	21.0	13.4	5.6	2.0	-54.3	<=8.0
2428.85	21.3	13.4	5.9	2.0	-54.0	<=8.0
2428.90	21.3	13.4	5.9	2.0	-54.0	<=8.0
2428.95	21.1	13.4	5.7	2.0	-54.2	<=8.0
2429.00	20.9	13.4	5.5	2.0	-54.4	<=8.0
2429.05	20.7	13.4	5.3	2.0	-54.6	<=8.0
2429.10	20.6	13.4	5.2	2.0	-54.7	<=8.0
2429.15	20.6	13.4	5.2	2.0	-54.7	<=8.0
2429.20	20.7	13.4	5.3	2.0	-54.6	<=8.0
2429.25	20.8	13.4	5.4	2.0	-54.5	<=8.0
2429.30	21.2	13.4	5.8	2.0	-54.1	<=8.0
2429.35	21.3	13.4	5.9	2.0	-54.0	<=8.0
2429.40	21.3	13.4	5.9	2.0	-54.0	<=8.0
2429.45	21.2	13.4	5.8	2.0	-54.1	<=8.0
2429.50	20.6	13.4	5.2	2.0	-54.7	<=8.0
2429.55	20.0	13.4	4.6	2.0	-55.3	<=8.0
2429.60	19.6	13.4	4.2	2.0	-55.7	<=8.0
2429.65	19.3	13.4	3.9	2.0	-56.0	<=8.0
2429.70	19.5	13.4	4.1	2.0	-55.8	<=8.0
2429.75	19.8	13.4	4.4	2.0	-55.5	<=8.0
2429.80	20.2	13.4	4.8	2.0	-55.1	<=8.0
2429.85	20.4	13.4	5.0	2.0	-54.9	<=8.0
2429.90	20.2	13.4	4.8	2.0	-55.1	<=8.0
2429.95	20.0	13.4	4.6	2.0	-55.3	<=8.0
2430.00	19.8	13.4	4.4	2.0	-55.5	<=8.0
2430.05	19.6	13.4	4.2	2.0	-55.7	<=8.0
2430.10	19.5	13.4	4.1	2.0	-55.8	<=8.0
2430.15	19.5	13.4	4.1	2.0	-55.8	<=8.0
2430.20	19.7	13.4	4.3	2.0	-55.6	<=8.0
2430.25	20.0	13.4	4.6	2.0	-55.3	<=8.0
2430.30	19.8	13.4	4.4	2.0	-55.5	<=8.0
2430.35	20.0	13.4	4.6	2.0	-55.3	<=8.0
2430.40	20.0	13.4	4.6	2.0	-55.3	<=8.0
2430.45	19.9	13.4	4.5	2.0	-55.4	<=8.0
2430.50	19.7	13.4	4.3	2.0	-55.6	<=8.0
2430.55	19.3	13.4	3.9	2.0	-56.0	<=8.0
2430.60	18.6	13.4	3.2	2.0	-56.7	<=8.0
2430.65	18.2	13.4	2.8	2.0	-57.1	<=8.0
2430.70	18.2	13.4	2.8	2.0	-57.1	<=8.0
2430.75	18.4	13.4	3.0	2.0	-56.9	<=8.0
2430.80	18.7	13.4	3.3	2.0	-56.6	<=8.0
2430.85	18.6	13.4	3.2	2.0	-56.7	<=8.0

5.5Mbps CHANNEL 6 Processing Gain						
Gp = (S/N)o + Mj + Lsys						
Freq.	Gp	(S/N)o	Mj=J/S	Lsys	Jammer	PER
(MHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(%)
2430.90	18.4	13.4	3.0	2.0	-56.9	<=8.0
2430.95	17.4	13.4	2.0	2.0	-57.9	<=8.0
2431.00	18.2	13.4	2.8	2.0	-57.1	<=8.0
2431.05	18.2	13.4	2.8	2.0	-57.1	<=8.0
2431.10	17.1	13.4	1.7	2.0	-58.2	<=8.0
2431.15	17.0	13.4	1.6	2.0	-58.3	<=8.0
2431.20	17.0	13.4	1.6	2.0	-58.3	<=8.0
2431.25	17.9	13.4	2.5	2.0	-57.4	<=8.0
2431.30	17.8	13.4	2.4	2.0	-57.5	<=8.0
2431.35	17.8	13.4	2.4	2.0	-57.5	<=8.0
2431.40	17.9	13.4	2.5	2.0	-57.4	<=8.0
2431.45	18.0	13.4	2.6	2.0	-57.3	<=8.0
2431.50	18.1	13.4	2.7	2.0	-57.2	<=8.0
2431.55	18.3	13.4	2.9	2.0	-57.0	<=8.0
2431.60	18.2	13.4	2.8	2.0	-57.1	<=8.0
2431.65	18.1	13.4	2.7	2.0	-57.2	<=8.0
2431.70	17.9	13.4	2.5	2.0	-57.4	<=8.0
2431.75	17.6	13.4	2.2	2.0	-57.7	<=8.0
2431.80	17.4	13.4	2.0	2.0	-57.9	<=8.0
2431.85	17.1	13.4	1.7	2.0	-58.2	<=8.0
2431.90	16.9	13.4	1.5	2.0	-58.4	<=8.0
2431.95	16.6	13.4	1.2	2.0	-58.7	<=8.0
2432.00	16.5	13.4	1.1	2.0	-58.8	<=8.0
2432.05	16.5	13.4	1.1	2.0	-58.8	<=8.0
2432.10	16.3	13.4	0.9	2.0	-59.0	<=8.0
2432.15	15.8	13.4	0.4	2.0	-59.5	<=8.0
2432.20	15.3	13.4	-0.1	2.0	-60.0	<=8.0
2432.25	16.1	13.4	0.7	2.0	-59.2	<=8.0
2432.30	16.1	13.4	0.7	2.0	-59.2	<=8.0
2432.35	16.0	13.4	0.6	2.0	-59.3	<=8.0
2432.40	16.1	13.4	0.7	2.0	-59.2	<=8.0
2432.45	16.3	13.4	0.9	2.0	-59.0	<=8.0
2432.50	16.4	13.4	1.0	2.0	-58.9	<=8.0
2432.55	16.6	13.4	1.2	2.0	-58.7	<=8.0
2432.60	16.7	13.4	1.3	2.0	-58.6	<=8.0
2432.65	16.6	13.4	1.2	2.0	-58.7	<=8.0
2432.70	16.2	13.4	0.8	2.0	-59.1	<=8.0
2432.75	16.0	13.4	0.6	2.0	-59.3	<=8.0
2432.80	15.7	13.4	0.3	2.0	-59.6	<=8.0
2432.85	15.3	13.4	-0.1	2.0	-60.0	<=8.0
2432.90	15.2	13.4	-0.2	2.0	-60.1	<=8.0
2432.95	14.6	13.4	-0.8	2.0	-60.7	<=8.0
2433.00	14.9	13.4	-0.5	2.0	-60.4	<=8.0
2433.05	14.9	13.4	-0.5	2.0	-60.4	<=8.0
2433.10	13.9	13.4	-1.5	2.0	-61.4	<=8.0
2433.15	13.4	13.4	-2.0	2.0	-61.9	<=8.0
2433.20	13.7	13.4	-1.7	2.0	-61.6	<=8.0
2433.25	14.9	13.4	-0.5	2.0	-60.4	<=8.0

5.5Mbps CHANNEL 6 Processing Gain						
Gp = (S/N)o + Mj + Lsys						
Freq.	Gp	(S/N)o	Mj=J/S	Lsys	Jammer	PER
(MHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(%)
2433.30	13.8	13.4	-1.6	2.0	-61.5	<=8.0
2433.35	14.2	13.4	-1.2	2.0	-61.1	<=8.0
2433.40	14.8	13.4	-0.6	2.0	-60.5	<=8.0
2433.45	15.3	13.4	-0.1	2.0	-60.0	<=8.0
2433.50	15.5	13.4	0.1	2.0	-59.8	<=8.0
2433.55	15.6	13.4	0.2	2.0	-59.7	<=8.0
2433.60	15.7	13.4	0.3	2.0	-59.6	<=8.0
2433.65	15.5	13.4	0.1	2.0	-59.8	<=8.0
2433.70	15.3	13.4	-0.1	2.0	-60.0	<=8.0
2433.75	15.0	13.4	-0.4	2.0	-60.3	<=8.0
2433.80	14.8	13.4	-0.6	2.0	-60.5	<=8.0
2433.85	14.5	13.4	-0.9	2.0	-60.8	<=8.0
2433.90	14.3	13.4	-1.1	2.0	-61.0	<=8.0
2433.95	14.0	13.4	-1.4	2.0	-61.3	<=8.0
2434.00	13.9	13.4	-1.5	2.0	-61.4	<=8.0
2434.05	13.8	13.4	-1.6	2.0	-61.5	<=8.0
2434.10	13.4	13.4	-2.0	2.0	-61.9	<=8.0
2434.15	11.7	13.4	-3.7	2.0	-63.6	<=8.0
2434.20	13.2	13.4	-2.2	2.0	-62.1	<=8.0
2434.25	13.3	13.4	-2.1	2.0	-62.0	<=8.0
2434.30	13.3	13.4	-2.1	2.0	-62.0	<=8.0
2434.35	13.1	13.4	-2.3	2.0	-62.2	<=8.0
2434.40	13.1	13.4	-2.3	2.0	-62.2	<=8.0
2434.45	13.3	13.4	-2.1	2.0	-62.0	<=8.0
2434.50	13.2	13.4	-2.2	2.0	-62.1	<=8.0
2434.55	13.2	13.4	-2.2	2.0	-62.1	<=8.0
2434.60	13.2	13.4	-2.2	2.0	-62.1	<=8.0
2434.65	13.2	13.4	-2.2	2.0	-62.1	<=8.0
2434.70	13.1	13.4	-2.3	2.0	-62.2	<=8.0
2434.75	13.2	13.4	-2.2	2.0	-62.1	<=8.0
2434.80	13.3	13.4	-2.1	2.0	-62.0	<=8.0
2434.85	13.4	13.4	-2.0	2.0	-61.9	<=8.0
2434.90	13.6	13.4	-1.8	2.0	-61.7	<=8.0
2434.95	13.6	13.4	-1.8	2.0	-61.7	<=8.0
2435.00	13.9	13.4	-1.5	2.0	-61.4	<=8.0
2435.05	14.0	13.4	-1.4	2.0	-61.3	<=8.0
2435.10	13.2	13.4	-2.2	2.0	-62.1	<=8.0
2435.15	12.6	13.4	-2.8	2.0	-62.7	<=8.0
2435.20	13.7	13.4	-1.7	2.0	-61.6	<=8.0
2435.25	14.5	13.4	-0.9	2.0	-60.8	<=8.0
2435.30	13.7	13.4	-1.7	2.0	-61.6	<=8.0
2435.35	13.4	13.4	-2.0	2.0	-61.9	<=8.0
2435.40	13.7	13.4	-1.7	2.0	-61.6	<=8.0
2435.45	13.6	13.4	-1.8	2.0	-61.7	<=8.0
2435.50	13.4	13.4	-2.0	2.0	-61.9	<=8.0
2435.55	13.3	13.4	-2.1	2.0	-62.0	<=8.0
2435.60	13.2	13.4	-2.2	2.0	-62.1	<=8.0
2435.65	13.1	13.4	-2.3	2.0	-62.2	<=8.0

5.5Mbps CHANNEL 6 Processing Gain						
Gp = (S/N)o + Mj + Lsys						
Freq.	Gp	(S/N)o	Mj=J/S	Lsys	Jammer	PER
(MHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(%)
2435.70	14.4	13.4	-1.0	2.0	-60.9	<=8.0
2435.75	13.2	13.4	-2.2	2.0	-62.1	<=8.0
2435.80	13.1	13.4	-2.3	2.0	-62.2	<=8.0
2435.85	13.2	13.4	-2.2	2.0	-62.1	<=8.0
2435.90	13.3	13.4	-2.1	2.0	-62.0	<=8.0
2435.95	13.4	13.4	-2.0	2.0	-61.9	<=8.0
2436.00	13.0	13.4	-2.4	2.0	-62.3	<=8.0
2436.05	14.0	13.4	-1.4	2.0	-61.3	<=8.0
2436.10	12.4	13.4	-3.0	2.0	-62.9	<=8.0
2436.15	12.4	13.4	-3.0	2.0	-62.9	<=8.0
2436.20	13.5	13.4	-1.9	2.0	-61.8	<=8.0
2436.25	13.9	13.4	-1.5	2.0	-61.4	<=8.0
2436.30	13.7	13.4	-1.7	2.0	-61.6	<=8.0
2436.35	13.5	13.4	-1.9	2.0	-61.8	<=8.0
2436.40	13.2	13.4	-2.2	2.0	-62.1	<=8.0
2436.45	13.2	13.4	-2.2	2.0	-62.1	<=8.0
2436.50	12.9	13.4	-2.5	2.0	-62.4	<=8.0
2436.55	12.8	13.4	-2.6	2.0	-62.5	<=8.0
2436.60	12.7	13.4	-2.7	2.0	-62.6	<=8.0
2436.65	12.7	13.4	-2.7	2.0	-62.6	<=8.0
2436.70	12.7	13.4	-2.7	2.0	-62.6	<=8.0
2436.75	12.9	13.4	-2.5	2.0	-62.4	<=8.0
2436.80	13.0	13.4	-2.4	2.0	-62.3	<=8.0
2436.85	13.1	13.4	-2.3	2.0	-62.2	<=8.0
2436.90	13.2	13.4	-2.2	2.0	-62.1	<=8.0
2436.95	13.3	13.4	-2.1	2.0	-62.0	<=8.0
2437.00	13.5	13.4	-1.9	2.0	-61.8	<=8.0
2437.05	13.7	13.4	-1.7	2.0	-61.6	<=8.0
2437.10	13.9	13.4	-1.5	2.0	-61.4	<=8.0
2437.15	13.9	13.4	-1.5	2.0	-61.4	<=8.0
2437.20	13.8	13.4	-1.6	2.0	-61.5	<=8.0
2437.25	13.2	13.4	-2.2	2.0	-62.1	<=8.0
2437.30	13.3	13.4	-2.1	2.0	-62.0	<=8.0
2437.35	13.2	13.4	-2.2	2.0	-62.1	<=8.0
2437.40	13.1	13.4	-2.3	2.0	-62.2	<=8.0
2437.45	12.9	13.4	-2.5	2.0	-62.4	<=8.0
2437.50	12.9	13.4	-2.5	2.0	-62.4	<=8.0
2437.55	12.9	13.4	-2.5	2.0	-62.4	<=8.0
2437.60	12.8	13.4	-2.6	2.0	-62.5	<=8.0
2437.65	12.8	13.4	-2.6	2.0	-62.5	<=8.0
2437.70	12.8	13.4	-2.6	2.0	-62.5	<=8.0
2437.75	12.9	13.4	-2.5	2.0	-62.4	<=8.0
2437.80	13.0	13.4	-2.4	2.0	-62.3	<=8.0
2437.85	13.1	13.4	-2.3	2.0	-62.2	<=8.0
2437.90	13.2	13.4	-2.2	2.0	-62.1	<=8.0
2437.95	11.9	13.4	-3.5	2.0	-63.4	<=8.0
2438.00	13.4	13.4	-2.0	2.0	-61.9	<=8.0
2438.05	13.9	13.4	-1.5	2.0	-61.4	<=8.0

5.5Mbps CHANNEL 6 Processing Gain						
Gp = (S/N)o + Mj + Lsys						
Freq.	Gp	(S/N)o	Mj=J/S	Lsys	Jammer	PER
(MHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(%)
2438.10	13.5	13.4	-1.9	2.0	-61.8	<=8.0
2438.15	13.1	13.4	-2.3	2.0	-62.2	<=8.0
2438.20	11.6	13.4	-3.8	2.0	-63.7	<=8.0
2438.25	13.5	13.4	-1.9	2.0	-61.8	<=8.0
2438.30	13.3	13.4	-2.1	2.0	-62.0	<=8.0
2438.35	13.5	13.4	-1.9	2.0	-61.8	<=8.0
2438.40	13.3	13.4	-2.1	2.0	-62.0	<=8.0
2438.45	13.2	13.4	-2.2	2.0	-62.1	<=8.0
2438.50	13.2	13.4	-2.2	2.0	-62.1	<=8.0
2438.55	13.1	13.4	-2.3	2.0	-62.2	<=8.0
2438.60	13.2	13.4	-2.2	2.0	-62.1	<=8.0
2438.65	13.1	13.4	-2.3	2.0	-62.2	<=8.0
2438.70	13.2	13.4	-2.2	2.0	-62.1	<=8.0
2438.75	13.2	13.4	-2.2	2.0	-62.1	<=8.0
2438.80	13.4	13.4	-2.0	2.0	-61.9	<=8.0
2438.85	13.6	13.4	-1.8	2.0	-61.7	<=8.0
2438.90	13.7	13.4	-1.7	2.0	-61.6	<=8.0
2438.95	13.9	13.4	-1.5	2.0	-61.4	<=8.0
2439.00	13.5	13.4	-1.9	2.0	-61.8	<=8.0
2439.05	14.2	13.4	-1.2	2.0	-61.1	<=8.0
2439.10	12.7	13.4	-2.7	2.0	-62.6	<=8.0
2439.15	12.6	13.4	-2.8	2.0	-62.7	<=8.0
2439.20	13.5	13.4	-1.9	2.0	-61.8	<=8.0
2439.25	14.0	13.4	-1.4	2.0	-61.3	<=8.0
2439.30	13.2	13.4	-2.2	2.0	-62.1	<=8.0
2439.35	13.4	13.4	-2.0	2.0	-61.9	<=8.0
2439.40	13.4	13.4	-2.0	2.0	-61.9	<=8.0
2439.45	13.3	13.4	-2.1	2.0	-62.0	<=8.0
2439.50	13.1	13.4	-2.3	2.0	-62.2	<=8.0
2439.55	13.0	13.4	-2.4	2.0	-62.3	<=8.0
2439.60	12.9	13.4	-2.5	2.0	-62.4	<=8.0
2439.65	12.7	13.4	-2.7	2.0	-62.6	<=8.0
2439.70	12.7	13.4	-2.7	2.0	-62.6	<=8.0
2439.75	12.8	13.4	-2.6	2.0	-62.5	<=8.0
2439.80	12.8	13.4	-2.6	2.0	-62.5	<=8.0
2439.85	12.8	13.4	-2.6	2.0	-62.5	<=8.0
2439.90	12.9	13.4	-2.5	2.0	-62.4	<=8.0
2439.95	12.0	13.4	-3.4	2.0	-63.3	<=8.0
2440.00	12.9	13.4	-2.5	2.0	-62.4	<=8.0
2440.05	13.1	13.4	-2.3	2.0	-62.2	<=8.0
2440.10	13.0	13.4	-2.4	2.0	-62.3	<=8.0
2440.15	11.4	13.4	-4.0	2.0	-63.9	<=8.0
2440.20	12.5	13.4	-2.9	2.0	-62.8	<=8.0
2440.25	13.4	13.4	-2.0	2.0	-61.9	<=8.0
2440.30	12.9	13.4	-2.5	2.0	-62.4	<=8.0
2440.35	13.2	13.4	-2.2	2.0	-62.1	<=8.0
2440.40	13.7	13.4	-1.7	2.0	-61.6	<=8.0
2440.45	14.0	13.4	-1.4	2.0	-61.3	<=8.0

5.5Mbps CHANNEL 6 Processing Gain						
Gp = (S/N)o + Mj + Lsys						
Freq.	Gp	(S/N)o	Mj=J/S	Lsys	Jammer	PER
(MHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(%)
2440.50	14.3	13.4	-1.1	2.0	-61.0	<=8.0
2440.55	14.4	13.4	-1.0	2.0	-60.9	<=8.0
2440.60	14.6	13.4	-0.8	2.0	-60.7	<=8.0
2440.65	14.9	13.4	-0.5	2.0	-60.4	<=8.0
2440.70	15.2	13.4	-0.2	2.0	-60.1	<=8.0
2440.75	15.0	13.4	-0.4	2.0	-60.3	<=8.0
2440.80	14.9	13.4	-0.5	2.0	-60.4	<=8.0
2440.85	14.7	13.4	-0.7	2.0	-60.6	<=8.0
2440.90	14.4	13.4	-1.0	2.0	-60.9	<=8.0
2440.95	14.3	13.4	-1.1	2.0	-61.0	<=8.0
2441.00	14.2	13.4	-1.2	2.0	-61.1	<=8.0
2441.05	14.2	13.4	-1.2	2.0	-61.1	<=8.0
2441.10	13.1	13.4	-2.3	2.0	-62.2	<=8.0
2441.15	14.0	13.4	-1.4	2.0	-61.3	<=8.0
2441.20	14.2	13.4	-1.2	2.0	-61.1	<=8.0
2441.25	14.4	13.4	-1.0	2.0	-60.9	<=8.0
2441.30	13.8	13.4	-1.6	2.0	-61.5	<=8.0
2441.35	14.5	13.4	-0.9	2.0	-60.8	<=8.0
2441.40	14.7	13.4	-0.7	2.0	-60.6	<=8.0
2441.45	15.0	13.4	-0.4	2.0	-60.3	<=8.0
2441.50	15.3	13.4	-0.1	2.0	-60.0	<=8.0
2441.55	15.7	13.4	0.3	2.0	-59.6	<=8.0
2441.60	16.0	13.4	0.6	2.0	-59.3	<=8.0
2441.65	16.2	13.4	0.8	2.0	-59.1	<=8.0
2441.70	16.4	13.4	1.0	2.0	-58.9	<=8.0
2441.75	16.2	13.4	0.8	2.0	-59.1	<=8.0
2441.80	16.0	13.4	0.6	2.0	-59.3	<=8.0
2441.85	15.7	13.4	0.3	2.0	-59.6	<=8.0
2441.90	15.6	13.4	0.2	2.0	-59.7	<=8.0
2441.95	14.5	13.4	-0.9	2.0	-60.8	<=8.0
2442.00	15.0	13.4	-0.4	2.0	-60.3	<=8.0
2442.05	15.5	13.4	0.1	2.0	-59.8	<=8.0
2442.10	14.7	13.4	-0.7	2.0	-60.6	<=8.0
2442.15	14.7	13.4	-0.7	2.0	-60.6	<=8.0
2442.20	14.7	13.4	-0.7	2.0	-60.6	<=8.0
2442.25	15.9	13.4	0.5	2.0	-59.4	<=8.0
2442.30	16.0	13.4	0.6	2.0	-59.3	<=8.0
2442.35	16.2	13.4	0.8	2.0	-59.1	<=8.0
2442.40	16.4	13.4	1.0	2.0	-58.9	<=8.0
2442.45	16.8	13.4	1.4	2.0	-58.5	<=8.0
2442.50	17.2	13.4	1.8	2.0	-58.1	<=8.0
2442.55	17.6	13.4	2.2	2.0	-57.7	<=8.0
2442.60	17.7	13.4	2.3	2.0	-57.6	<=8.0
2442.65	17.9	13.4	2.5	2.0	-57.4	<=8.0
2442.70	17.9	13.4	2.5	2.0	-57.4	<=8.0
2442.75	17.7	13.4	2.3	2.0	-57.6	<=8.0
2442.80	17.5	13.4	2.1	2.0	-57.8	<=8.0
2442.85	17.3	13.4	1.9	2.0	-58.0	<=8.0

5.5Mbps CHANNEL 6 Processing Gain						
Gp = (S/N)o + Mj + Lsys						
Freq.	Gp	(S/N)o	Mj=J/S	Lsys	Jammer	PER
(MHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(%)
2442.90	17.2	13.4	1.8	2.0	-58.1	<=8.0
2442.95	17.2	13.4	1.8	2.0	-58.1	<=8.0
2443.00	17.2	13.4	1.8	2.0	-58.1	<=8.0
2443.05	17.3	13.4	1.9	2.0	-58.0	<=8.0
2443.10	16.7	13.4	1.3	2.0	-58.6	<=8.0
2443.15	16.8	13.4	1.4	2.0	-58.5	<=8.0
2443.20	17.5	13.4	2.1	2.0	-57.8	<=8.0
2443.25	17.8	13.4	2.4	2.0	-57.5	<=8.0
2443.30	17.9	13.4	2.5	2.0	-57.4	<=8.0
2443.35	17.5	13.4	2.1	2.0	-57.8	<=8.0
2443.40	18.1	13.4	2.7	2.0	-57.2	<=8.0
2443.45	18.3	13.4	2.9	2.0	-57.0	<=8.0
2443.50	18.0	13.4	2.6	2.0	-57.3	<=8.0
2443.55	17.8	13.4	2.4	2.0	-57.5	<=8.0
2443.60	17.6	13.4	2.2	2.0	-57.7	<=8.0
2443.65	17.7	13.4	2.3	2.0	-57.6	<=8.0
2443.70	18.2	13.4	2.8	2.0	-57.1	<=8.0
2443.75	18.9	13.4	3.5	2.0	-56.4	<=8.0
2443.80	19.3	13.4	3.9	2.0	-56.0	<=8.0
2443.85	19.2	13.4	3.8	2.0	-56.1	<=8.0
2443.90	19.4	13.4	4.0	2.0	-55.9	<=8.0
2443.95	19.1	13.4	3.7	2.0	-56.2	<=8.0
2444.00	19.7	13.4	4.3	2.0	-55.6	<=8.0
2444.05	19.3	13.4	3.9	2.0	-56.0	<=8.0
2444.10	19.1	13.4	3.7	2.0	-56.2	<=8.0
2444.15	18.9	13.4	3.5	2.0	-56.4	<=8.0
2444.20	18.9	13.4	3.5	2.0	-56.4	<=8.0
2444.25	19.1	13.4	3.7	2.0	-56.2	<=8.0
2444.30	19.4	13.4	4.0	2.0	-55.9	<=8.0
2444.35	19.4	13.4	4.0	2.0	-55.9	<=8.0
2444.40	19.6	13.4	4.2	2.0	-55.7	<=8.0
2444.45	19.5	13.4	4.1	2.0	-55.8	<=8.0
2444.50	19.2	13.4	3.8	2.0	-56.1	<=8.0
2444.55	18.8	13.4	3.4	2.0	-56.5	<=8.0
2444.60	18.5	13.4	3.1	2.0	-56.8	<=8.0
2444.65	18.5	13.4	3.1	2.0	-56.8	<=8.0
2444.70	18.9	13.4	3.5	2.0	-56.4	<=8.0
2444.75	19.6	13.4	4.2	2.0	-55.7	<=8.0
2444.80	20.2	13.4	4.8	2.0	-55.1	<=8.0
2444.85	20.6	13.4	5.2	2.0	-54.7	<=8.0
2444.90	20.7	13.4	5.3	2.0	-54.6	<=8.0
2444.95	20.5	13.4	5.1	2.0	-54.8	<=8.0
2445.00	20.4	13.4	5.0	2.0	-54.9	<=8.0
2445.05	20.0	13.4	4.6	2.0	-55.3	<=8.0
2445.10	20.0	13.4	4.6	2.0	-55.3	<=8.0
2445.15	19.9	13.4	4.5	2.0	-55.4	<=8.0
2445.20	19.9	13.4	4.5	2.0	-55.4	<=8.0
2445.25	20.0	13.4	4.6	2.0	-55.3	<=8.0

5.5Mbps CHANNEL 6 Processing Gain						
Gp = (S/N)o + Mj + Lsys						
Freq.	Gp	(S/N)o	Mj=J/S	Lsys	Jammer	PER
(MHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(%)
2445.30	20.3	13.4	4.9	2.0	-55.0	<=8.0
2445.35	20.5	13.4	5.1	2.0	-54.8	<=8.0
2445.40	20.6	13.4	5.2	2.0	-54.7	<=8.0
2445.45	20.5	13.4	5.1	2.0	-54.8	<=8.0
2445.50	20.2	13.4	4.8	2.0	-55.1	<=8.0

13.2

Test Conditions

TX Card **HWB3163-04 Rev B**
 S/N **99360038**
 RX Card **ISL36342U-EVAL Rev C1**
 S/N **01060093**
 TX Firmware **P10002C0, MS11168A3**
 RX Firmware **PU010000, SU010000**
 Software Ver. **3.0.24**
 Mode **5.5 MB Pseudo IBSS**
 Pkt Size **1024**
 Pkt Dly **1**
 Pkt Burst **6**

Intersil Chips on Card: **HFA38421N**
HFA38631N
HFA37831N
HFA3683A1N
HFA3983IV

Processing Gain (dB)	XMIT level	-59.9	
	S/N+Ls	15.4	
	0dB J/S	0.0	
PG	Offset	Signal Generator Delta	
21.5	-8500	6.1	
20.7	-8450	5.3	
20.1	-8400	4.7	
19.9	-8350	4.5	
20.1	-8300	4.7	
20.5	-8250	5.1	
21.0	-8200	5.6	
21.3	-8150	5.9	
21.3	-8100	5.9	
21.1	-8050	5.7	
20.9	-8000	5.5	
20.7	-7950	5.3	
20.6	-7900	5.2	
20.6	-7850	5.2	
20.7	-7800	5.3	
20.8	-7750	5.4	
21.2	-7700	5.8	
21.3	-7650	5.9	
21.3	-7600	5.9	
21.2	-7550	5.8	
20.6	-7500	5.2	
20.0	-7450	4.6	
19.6	-7400	4.2	
19.3	-7350	3.9	
19.5	-7300	4.1	
19.8	-7250	4.4	
20.2	-7200	4.8	
20.4	-7150	5.0	
20.2	-7100	4.8	
20.0	-7050	4.6	
19.8	-7000	4.4	
19.6	-6950	4.2	
19.5	-6900	4.1	
19.5	-6850	4.1	
19.7	-6800	4.3	
20.0	-6750	4.6	
19.8	-6700	4.4	
20.0	-6650	4.6	
20.0	-6600	4.6	
19.9	-6550	4.5	
19.7	-6500	4.3	
19.3	-6450	3.9	
18.6	-6400	3.2	
18.2	-6350	2.8	
18.2	-6300	2.8	
18.4	-6250	3.0	
18.7	-6200	3.3	

ISL36342U-EVAL, s/n 93
CH6 Processing Gain
5.5 MB Data Rate

Processing Gain ISL36342U_EVAL rev 2.xls

Measured by:
S. Rothwell

18.6	-6150	3.2	
18.4	-6100	3.0	
17.4	-6050	2.0	
18.2	-6000	2.8	
18.2	-5950	2.8	
17.1	-5900	1.7	
17.0	-5850	1.6	
17.0	-5800	1.6	
17.9	-5750	2.5	
17.8	-5700	2.4	
17.8	-5650	2.4	
17.9	-5600	2.5	
18.0	-5550	2.6	
18.1	-5500	2.7	
18.3	-5450	2.9	
18.2	-5400	2.8	
18.1	-5350	2.7	
17.9	-5300	2.5	
17.6	-5250	2.2	
17.4	-5200	2.0	
17.1	-5150	1.7	
16.9	-5100	1.5	
16.6	-5050	1.2	
16.5	-5000	1.1	
16.5	-4950	1.1	
16.3	-4900	0.9	
15.8	-4850	0.4	
15.3	-4800	-0.1	
16.1	-4750	0.7	
16.1	-4700	0.7	
16.0	-4650	0.6	
16.1	-4600	0.7	
16.3	-4550	0.9	
16.4	-4500	1.0	
16.6	-4450	1.2	
16.7	-4400	1.3	
16.6	-4350	1.2	
16.2	-4300	0.8	
16.0	-4250	0.6	
15.7	-4200	0.3	
15.3	-4150	-0.1	
15.2	-4100	-0.2	
14.6	-4050	-0.8	
14.9	-4000	-0.5	
14.9	-3950	-0.5	
13.9	-3900	-1.5	
13.4	-3850	-2.0	
13.7	-3800	-1.7	
14.9	-3750	-0.5	
13.8	-3700	-1.6	
14.2	-3650	-1.2	
14.8	-3600	-0.6	

ISL36342U-EVAL, s/n 93
CH6 Processing Gain
5.5 MB Data Rate

Processing Gain ISL36342U_EVAL rev 2.xls

Measured by:
S. Rothwell

15.3	-3550	-0.1	
15.5	-3500	0.1	
15.6	-3450	0.2	
15.7	-3400	0.3	
15.5	-3350	0.1	
15.3	-3300	-0.1	
15.0	-3250	-0.4	
14.8	-3200	-0.6	
14.5	-3150	-0.9	
14.3	-3100	-1.1	
14.0	-3050	-1.4	
13.9	-3000	-1.5	
13.8	-2950	-1.6	
13.4	-2900	-2.0	
11.7	-2850	-3.7	
13.2	-2800	-2.2	
13.3	-2750	-2.1	
13.3	-2700	-2.1	
13.1	-2650	-2.3	
13.1	-2600	-2.3	
13.3	-2550	-2.1	
13.2	-2500	-2.2	
13.2	-2450	-2.2	
13.2	-2400	-2.2	
13.2	-2350	-2.2	
13.1	-2300	-2.3	
13.2	-2250	-2.2	
13.3	-2200	-2.1	
13.4	-2150	-2.0	
13.6	-2100	-1.8	
13.6	-2050	-1.8	
13.9	-2000	-1.5	
14.0	-1950	-1.4	
13.2	-1900	-2.2	
12.6	-1850	-2.8	
13.7	-1800	-1.7	
14.5	-1750	-0.9	
13.7	-1700	-1.7	
13.4	-1650	-2.0	
13.7	-1600	-1.7	
13.6	-1550	-1.8	
13.4	-1500	-2.0	
13.3	-1450	-2.1	
13.2	-1400	-2.2	
13.1	-1350	-2.3	
14.4	-1300	-1.0	
13.2	-1250	-2.2	
13.1	-1200	-2.3	
13.2	-1150	-2.2	
13.3	-1100	-2.1	
13.4	-1050	-2.0	
13.0	-1000	-2.4	

ISL36342U-EVAL, s/n 93
CH6 Processing Gain
5.5 MB Data Rate

Processing Gain ISL36342U_EVAL rev 2.xls

Measured by:
S. Rothwell

14.0	-950	-1.4	
12.4	-900	-3.0	
12.4	-850	-3.0	
13.5	-800	-1.9	
13.9	-750	-1.5	
13.7	-700	-1.7	
13.5	-650	-1.9	
13.2	-600	-2.2	
13.2	-550	-2.2	
12.9	-500	-2.5	
12.8	-450	-2.6	
12.7	-400	-2.7	
12.7	-350	-2.7	
12.7	-300	-2.7	
12.9	-250	-2.5	
13.0	-200	-2.4	
13.1	-150	-2.3	
13.2	-100	-2.2	
13.3	-50	-2.1	
13.5	0	-1.9	
13.7	50	-1.7	
13.9	100	-1.5	
13.9	150	-1.5	
13.8	200	-1.6	
13.2	250	-2.2	
13.3	300	-2.1	
13.2	350	-2.2	
13.1	400	-2.3	
12.9	450	-2.5	
12.9	500	-2.5	
12.9	550	-2.5	
12.8	600	-2.6	
12.8	650	-2.6	
12.8	700	-2.6	
12.9	750	-2.5	
13.0	800	-2.4	
13.1	850	-2.3	
13.2	900	-2.2	
11.9	950	-3.5	
13.4	1000	-2.0	
13.9	1050	-1.5	
13.5	1100	-1.9	
13.1	1150	-2.3	
11.6	1200	-3.8	
13.5	1250	-1.9	
13.3	1300	-2.1	
13.5	1350	-1.9	
13.3	1400	-2.1	
13.2	1450	-2.2	
13.2	1500	-2.2	
13.1	1550	-2.3	
13.2	1600	-2.2	

ISL36342U-EVAL, s/n 93
CH6 Processing Gain
5.5 MB Data Rate

Processing Gain ISL36342U_EVAL rev 2.xls

Measured by:
S. Rothwell

13.1	1650	-2.3	
13.2	1700	-2.2	
13.2	1750	-2.2	
13.4	1800	-2.0	
13.6	1850	-1.8	
13.7	1900	-1.7	
13.9	1950	-1.5	
13.5	2000	-1.9	
14.2	2050	-1.2	
12.7	2100	-2.7	
12.6	2150	-2.8	
13.5	2200	-1.9	
14.0	2250	-1.4	
13.2	2300	-2.2	
13.4	2350	-2.0	
13.4	2400	-2.0	
13.3	2450	-2.1	
13.1	2500	-2.3	
13.0	2550	-2.4	
12.9	2600	-2.5	
12.7	2650	-2.7	
12.7	2700	-2.7	
12.8	2750	-2.6	
12.8	2800	-2.6	
12.8	2850	-2.6	
12.9	2900	-2.5	
12.0	2950	-3.4	
12.9	3000	-2.5	
13.1	3050	-2.3	
13.0	3100	-2.4	
11.4	3150	-4.0	
12.5	3200	-2.9	
13.4	3250	-2.0	
12.9	3300	-2.5	
13.2	3350	-2.2	
13.7	3400	-1.7	
14.0	3450	-1.4	
14.3	3500	-1.1	
14.4	3550	-1.0	
14.6	3600	-0.8	
14.9	3650	-0.5	
15.2	3700	-0.2	
15.0	3750	-0.4	
14.9	3800	-0.5	
14.7	3850	-0.7	
14.4	3900	-1.0	
14.3	3950	-1.1	
14.2	4000	-1.2	
14.2	4050	-1.2	
13.1	4100	-2.3	
14.0	4150	-1.4	
14.2	4200	-1.2	

ISL36342U-EVAL, s/n 93
CH6 Processing Gain
5.5 MB Data Rate

Processing Gain ISL36342U_EVAL rev 2.xls

Measured by:
S. Rothwell

14.4	4250	-1.0	
13.8	4300	-1.6	
14.5	4350	-0.9	
14.7	4400	-0.7	
15.0	4450	-0.4	
15.3	4500	-0.1	
15.7	4550	0.3	
16.0	4600	0.6	
16.2	4650	0.8	
16.4	4700	1.0	
16.2	4750	0.8	
16.0	4800	0.6	
15.7	4850	0.3	
15.6	4900	0.2	
14.5	4950	-0.9	
15.0	5000	-0.4	
15.5	5050	0.1	
14.7	5100	-0.7	
14.7	5150	-0.7	
14.7	5200	-0.7	
15.9	5250	0.5	
16.0	5300	0.6	
16.2	5350	0.8	
16.4	5400	1.0	
16.8	5450	1.4	
17.2	5500	1.8	
17.6	5550	2.2	
17.7	5600	2.3	
17.9	5650	2.5	
17.9	5700	2.5	
17.7	5750	2.3	
17.5	5800	2.1	
17.3	5850	1.9	
17.2	5900	1.8	
17.2	5950	1.8	
17.2	6000	1.8	
17.3	6050	1.9	
16.7	6100	1.3	
16.8	6150	1.4	
17.5	6200	2.1	
17.8	6250	2.4	
17.9	6300	2.5	
17.5	6350	2.1	
18.1	6400	2.7	
18.3	6450	2.9	
18.0	6500	2.6	
17.8	6550	2.4	
17.6	6600	2.2	
17.7	6650	2.3	
18.2	6700	2.8	
18.9	6750	3.5	
19.3	6800	3.9	

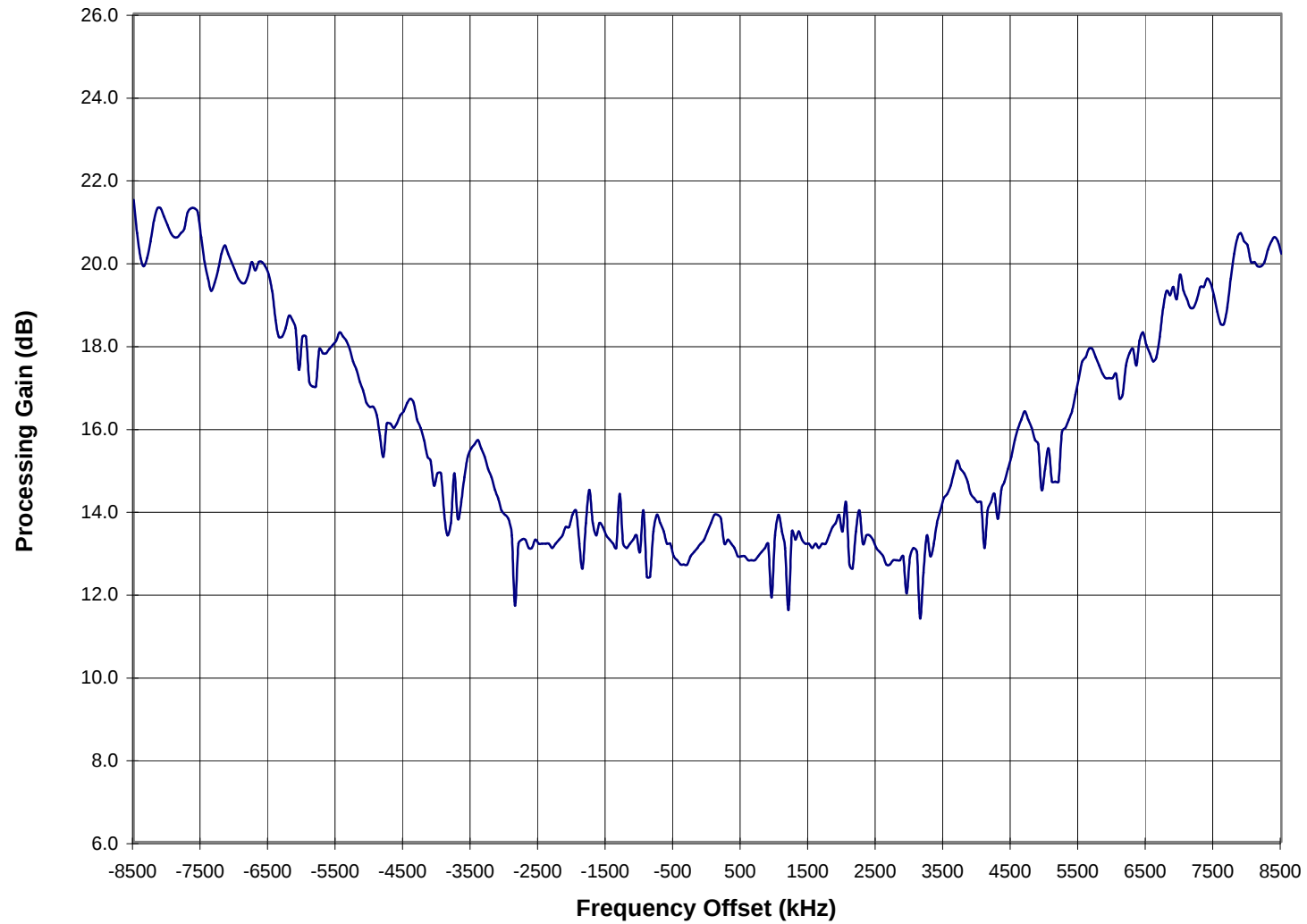
ISL36342U-EVAL, s/n 93
CH6 Processing Gain
5.5 MB Data Rate

Processing Gain ISL36342U_EVAL rev 2.xls

Measured by:
S. Rothwell

19.2	6850	3.8	
19.4	6900	4.0	
19.1	6950	3.7	
19.7	7000	4.3	
19.3	7050	3.9	
19.1	7100	3.7	
18.9	7150	3.5	
18.9	7200	3.5	
19.1	7250	3.7	
19.4	7300	4.0	
19.4	7350	4.0	
19.6	7400	4.2	
19.5	7450	4.1	
19.2	7500	3.8	
18.8	7550	3.4	
18.5	7600	3.1	
18.5	7650	3.1	
18.9	7700	3.5	
19.6	7750	4.2	
20.2	7800	4.8	
20.6	7850	5.2	
20.7	7900	5.3	
20.5	7950	5.1	
20.4	8000	5.0	
20.0	8050	4.6	
20.0	8100	4.6	
19.9	8150	4.5	
19.9	8200	4.5	
20.0	8250	4.6	
20.3	8300	4.9	
20.5	8350	5.1	
20.6	8400	5.2	
20.5	8450	5.1	
20.2	8500	4.8	
13.2	Processing Gain (dB) @ 80th Percentile =		

Processing Gain
Channel 6 (fc=2437MHz) @ 5.5Mbps



11Mbps CHANNEL 6 Processing Gain						
Gp = (S/N)o + Mj + Lsys						
Freq.	Gp	(S/N)o	Mj=J/S	Lsys	Jammer	PER
(MHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(%)
2428.50	25.0	16.4	6.6	2.0	-53.3	<=8.0
2428.55	24.2	16.4	5.8	2.0	-54.1	<=8.0
2428.60	23.7	16.4	5.3	2.0	-54.6	<=8.0
2428.65	23.5	16.4	5.1	2.0	-54.8	<=8.0
2428.70	23.7	16.4	5.3	2.0	-54.6	<=8.0
2428.75	24.1	16.4	5.7	2.0	-54.2	<=8.0
2428.80	24.6	16.4	6.2	2.0	-53.7	<=8.0
2428.85	24.8	16.4	6.4	2.0	-53.5	<=8.0
2428.90	24.8	16.4	6.4	2.0	-53.5	<=8.0
2428.95	24.6	16.4	6.2	2.0	-53.7	<=8.0
2429.00	24.4	16.4	6.0	2.0	-53.9	<=8.0
2429.05	24.2	16.4	5.8	2.0	-54.1	<=8.0
2429.10	23.9	16.4	5.5	2.0	-54.4	<=8.0
2429.15	23.9	16.4	5.5	2.0	-54.4	<=8.0
2429.20	23.9	16.4	5.5	2.0	-54.4	<=8.0
2429.25	24.3	16.4	5.9	2.0	-54.0	<=8.0
2429.30	24.6	16.4	6.2	2.0	-53.7	<=8.0
2429.35	24.4	16.4	6.0	2.0	-53.9	<=8.0
2429.40	23.7	16.4	5.3	2.0	-54.6	<=8.0
2429.45	23.6	16.4	5.2	2.0	-54.7	<=8.0
2429.50	23.7	16.4	5.3	2.0	-54.6	<=8.0
2429.55	23.4	16.4	5.0	2.0	-54.9	<=8.0
2429.60	22.9	16.4	4.5	2.0	-55.4	<=8.0
2429.65	22.3	16.4	3.9	2.0	-56.0	<=8.0
2429.70	22.7	16.4	4.3	2.0	-55.6	<=8.0
2429.75	22.5	16.4	4.1	2.0	-55.8	<=8.0
2429.80	22.3	16.4	3.9	2.0	-56.0	<=8.0
2429.85	21.2	16.4	2.8	2.0	-57.1	<=8.0
2429.90	21.2	16.4	2.8	2.0	-57.1	<=8.0
2429.95	21.1	16.4	2.7	2.0	-57.2	<=8.0
2430.00	21.1	16.4	2.7	2.0	-57.2	<=8.0
2430.05	20.9	16.4	2.5	2.0	-57.4	<=8.0
2430.10	20.5	16.4	2.1	2.0	-57.8	<=8.0
2430.15	19.9	16.4	1.5	2.0	-58.4	<=8.0
2430.20	19.9	16.4	1.5	2.0	-58.4	<=8.0
2430.25	19.8	16.4	1.4	2.0	-58.5	<=8.0
2430.30	19.3	16.4	0.9	2.0	-59.0	<=8.0
2430.35	19.3	16.4	0.9	2.0	-59.0	<=8.0
2430.40	18.9	16.4	0.5	2.0	-59.4	<=8.0
2430.45	18.9	16.4	0.5	2.0	-59.4	<=8.0
2430.50	18.9	16.4	0.5	2.0	-59.4	<=8.0
2430.55	18.9	16.4	0.5	2.0	-59.4	<=8.0
2430.60	18.8	16.4	0.4	2.0	-59.5	<=8.0
2430.65	18.6	16.4	0.2	2.0	-59.7	<=8.0
2430.70	18.2	16.4	-0.2	2.0	-60.1	<=8.0
2430.75	18.0	16.4	-0.4	2.0	-60.3	<=8.0
2430.80	17.7	16.4	-0.7	2.0	-60.6	<=8.0
2430.85	17.7	16.4	-0.7	2.0	-60.6	<=8.0

11Mbps CHANNEL 6 Processing Gain						
Gp = (S/N)o + Mj + Lsys						
Freq.	Gp	(S/N)o	Mj=J/S	Lsys	Jammer	PER
(MHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(%)
2430.90	17.4	16.4	-1.0	2.0	-60.9	<=8.0
2430.95	17.4	16.4	-1.0	2.0	-60.9	<=8.0
2431.00	17.3	16.4	-1.1	2.0	-61.0	<=8.0
2431.05	17.3	16.4	-1.1	2.0	-61.0	<=8.0
2431.10	17.2	16.4	-1.2	2.0	-61.1	<=8.0
2431.15	17.3	16.4	-1.1	2.0	-61.0	<=8.0
2431.20	17.1	16.4	-1.3	2.0	-61.2	<=8.0
2431.25	17.2	16.4	-1.2	2.0	-61.1	<=8.0
2431.30	17.2	16.4	-1.2	2.0	-61.1	<=8.0
2431.35	16.9	16.4	-1.5	2.0	-61.4	<=8.0
2431.40	16.5	16.4	-1.9	2.0	-61.8	<=8.0
2431.45	16.5	16.4	-1.9	2.0	-61.8	<=8.0
2431.50	16.4	16.4	-2.0	2.0	-61.9	<=8.0
2431.55	16.2	16.4	-2.2	2.0	-62.1	<=8.0
2431.60	16.0	16.4	-2.4	2.0	-62.3	<=8.0
2431.65	15.9	16.4	-2.5	2.0	-62.4	<=8.0
2431.70	15.8	16.4	-2.6	2.0	-62.5	<=8.0
2431.75	15.7	16.4	-2.7	2.0	-62.6	<=8.0
2431.80	15.7	16.4	-2.7	2.0	-62.6	<=8.0
2431.85	15.5	16.4	-2.9	2.0	-62.8	<=8.0
2431.90	15.8	16.4	-2.6	2.0	-62.5	<=8.0
2431.95	15.8	16.4	-2.6	2.0	-62.5	<=8.0
2432.00	15.8	16.4	-2.6	2.0	-62.5	<=8.0
2432.05	15.8	16.4	-2.6	2.0	-62.5	<=8.0
2432.10	15.6	16.4	-2.8	2.0	-62.7	<=8.0
2432.15	15.4	16.4	-3.0	2.0	-62.9	<=8.0
2432.20	15.3	16.4	-3.1	2.0	-63.0	<=8.0
2432.25	15.3	16.4	-3.1	2.0	-63.0	<=8.0
2432.30	15.0	16.4	-3.4	2.0	-63.3	<=8.0
2432.35	15.0	16.4	-3.4	2.0	-63.3	<=8.0
2432.40	14.5	16.4	-3.9	2.0	-63.8	<=8.0
2432.45	14.4	16.4	-4.0	2.0	-63.9	<=8.0
2432.50	14.6	16.4	-3.8	2.0	-63.7	<=8.0
2432.55	14.7	16.4	-3.7	2.0	-63.6	<=8.0
2432.60	14.7	16.4	-3.7	2.0	-63.6	<=8.0
2432.65	14.7	16.4	-3.7	2.0	-63.6	<=8.0
2432.70	14.6	16.4	-3.8	2.0	-63.7	<=8.0
2432.75	14.8	16.4	-3.6	2.0	-63.5	<=8.0
2432.80	14.8	16.4	-3.6	2.0	-63.5	<=8.0
2432.85	14.6	16.4	-3.8	2.0	-63.7	<=8.0
2432.90	14.6	16.4	-3.8	2.0	-63.7	<=8.0
2432.95	14.6	16.4	-3.8	2.0	-63.7	<=8.0
2433.00	14.5	16.4	-3.9	2.0	-63.8	<=8.0
2433.05	14.5	16.4	-3.9	2.0	-63.8	<=8.0
2433.10	14.4	16.4	-4.0	2.0	-63.9	<=8.0
2433.15	14.3	16.4	-4.1	2.0	-64.0	<=8.0
2433.20	14.2	16.4	-4.2	2.0	-64.1	<=8.0
2433.25	14.2	16.4	-4.2	2.0	-64.1	<=8.0

11Mbps CHANNEL 6 Processing Gain						
Gp = (S/N)o + Mj + Lsys						
Freq.	Gp	(S/N)o	Mj=J/S	Lsys	Jammer	PER
(MHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(%)
2433.30	14.3	16.4	-4.1	2.0	-64.0	<=8.0
2433.35	14.3	16.4	-4.1	2.0	-64.0	<=8.0
2433.40	13.8	16.4	-4.6	2.0	-64.5	<=8.0
2433.45	13.8	16.4	-4.6	2.0	-64.5	<=8.0
2433.50	13.9	16.4	-4.5	2.0	-64.4	<=8.0
2433.55	14.0	16.4	-4.4	2.0	-64.3	<=8.0
2433.60	13.9	16.4	-4.5	2.0	-64.4	<=8.0
2433.65	13.6	16.4	-4.8	2.0	-64.7	<=8.0
2433.70	13.6	16.4	-4.8	2.0	-64.7	<=8.0
2433.75	13.6	16.4	-4.8	2.0	-64.7	<=8.0
2433.80	13.7	16.4	-4.7	2.0	-64.6	<=8.0
2433.85	13.6	16.4	-4.8	2.0	-64.7	<=8.0
2433.90	13.0	16.4	-5.4	2.0	-65.3	<=8.0
2433.95	13.7	16.4	-4.7	2.0	-64.6	<=8.0
2434.00	13.6	16.4	-4.8	2.0	-64.7	<=8.0
2434.05	13.5	16.4	-4.9	2.0	-64.8	<=8.0
2434.10	13.3	16.4	-5.1	2.0	-65.0	<=8.0
2434.15	13.4	16.4	-5.0	2.0	-64.9	<=8.0
2434.20	13.2	16.4	-5.2	2.0	-65.1	<=8.0
2434.25	13.3	16.4	-5.1	2.0	-65.0	<=8.0
2434.30	13.2	16.4	-5.2	2.0	-65.1	<=8.0
2434.35	13.1	16.4	-5.3	2.0	-65.2	<=8.0
2434.40	12.6	16.4	-5.8	2.0	-65.7	<=8.0
2434.45	13.0	16.4	-5.4	2.0	-65.3	<=8.0
2434.50	13.1	16.4	-5.3	2.0	-65.2	<=8.0
2434.55	13.1	16.4	-5.3	2.0	-65.2	<=8.0
2434.60	13.1	16.4	-5.3	2.0	-65.2	<=8.0
2434.65	13.0	16.4	-5.4	2.0	-65.3	<=8.0
2434.70	13.1	16.4	-5.3	2.0	-65.2	<=8.0
2434.75	13.1	16.4	-5.3	2.0	-65.2	<=8.0
2434.80	13.0	16.4	-5.4	2.0	-65.3	<=8.0
2434.85	12.7	16.4	-5.7	2.0	-65.6	<=8.0
2434.90	12.4	16.4	-6.0	2.0	-65.9	<=8.0
2434.95	12.8	16.4	-5.6	2.0	-65.5	<=8.0
2435.00	12.8	16.4	-5.6	2.0	-65.5	<=8.0
2435.05	12.8	16.4	-5.6	2.0	-65.5	<=8.0
2435.10	12.8	16.4	-5.6	2.0	-65.5	<=8.0
2435.15	12.7	16.4	-5.7	2.0	-65.6	<=8.0
2435.20	12.9	16.4	-5.5	2.0	-65.4	<=8.0
2435.25	13.0	16.4	-5.4	2.0	-65.3	<=8.0
2435.30	13.0	16.4	-5.4	2.0	-65.3	<=8.0
2435.35	13.0	16.4	-5.4	2.0	-65.3	<=8.0
2435.40	12.7	16.4	-5.7	2.0	-65.6	<=8.0
2435.45	13.0	16.4	-5.4	2.0	-65.3	<=8.0
2435.50	12.9	16.4	-5.5	2.0	-65.4	<=8.0
2435.55	12.9	16.4	-5.5	2.0	-65.4	<=8.0
2435.60	12.7	16.4	-5.7	2.0	-65.6	<=8.0
2435.65	12.5	16.4	-5.9	2.0	-65.8	<=8.0

11Mbps CHANNEL 6 Processing Gain						
Gp = (S/N)o + Mj + Lsys						
Freq.	Gp	(S/N)o	Mj=J/S	Lsys	Jammer	PER
(MHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(%)
2435.70	12.7	16.4	-5.7	2.0	-65.6	<=8.0
2435.75	12.8	16.4	-5.6	2.0	-65.5	<=8.0
2435.80	12.9	16.4	-5.5	2.0	-65.4	<=8.0
2435.85	12.8	16.4	-5.6	2.0	-65.5	<=8.0
2435.90	13.0	16.4	-5.4	2.0	-65.3	<=8.0
2435.95	13.2	16.4	-5.2	2.0	-65.1	<=8.0
2436.00	13.3	16.4	-5.1	2.0	-65.0	<=8.0
2436.05	13.4	16.4	-5.0	2.0	-64.9	<=8.0
2436.10	13.3	16.4	-5.1	2.0	-65.0	<=8.0
2436.15	13.3	16.4	-5.1	2.0	-65.0	<=8.0
2436.20	13.0	16.4	-5.4	2.0	-65.3	<=8.0
2436.25	13.2	16.4	-5.2	2.0	-65.1	<=8.0
2436.30	13.1	16.4	-5.3	2.0	-65.2	<=8.0
2436.35	13.0	16.4	-5.4	2.0	-65.3	<=8.0
2436.40	12.3	16.4	-6.1	2.0	-66.0	<=8.0
2436.45	12.9	16.4	-5.5	2.0	-65.4	<=8.0
2436.50	13.0	16.4	-5.4	2.0	-65.3	<=8.0
2436.55	12.9	16.4	-5.5	2.0	-65.4	<=8.0
2436.60	12.3	16.4	-6.1	2.0	-66.0	<=8.0
2436.65	12.4	16.4	-6.0	2.0	-65.9	<=8.0
2436.70	13.2	16.4	-5.2	2.0	-65.1	<=8.0
2436.75	13.4	16.4	-5.0	2.0	-64.9	<=8.0
2436.80	13.4	16.4	-5.0	2.0	-64.9	<=8.0
2436.85	13.2	16.4	-5.2	2.0	-65.1	<=8.0
2436.90	13.2	16.4	-5.2	2.0	-65.1	<=8.0
2436.95	13.1	16.4	-5.3	2.0	-65.2	<=8.0
2437.00	13.1	16.4	-5.3	2.0	-65.2	<=8.0
2437.05	13.0	16.4	-5.4	2.0	-65.3	<=8.0
2437.10	12.8	16.4	-5.6	2.0	-65.5	<=8.0
2437.15	12.8	16.4	-5.6	2.0	-65.5	<=8.0
2437.20	12.9	16.4	-5.5	2.0	-65.4	<=8.0
2437.25	12.9	16.4	-5.5	2.0	-65.4	<=8.0
2437.30	12.9	16.4	-5.5	2.0	-65.4	<=8.0
2437.35	13.0	16.4	-5.4	2.0	-65.3	<=8.0
2437.40	13.2	16.4	-5.2	2.0	-65.1	<=8.0
2437.45	13.2	16.4	-5.2	2.0	-65.1	<=8.0
2437.50	13.3	16.4	-5.1	2.0	-65.0	<=8.0
2437.55	13.2	16.4	-5.2	2.0	-65.1	<=8.0
2437.60	13.3	16.4	-5.1	2.0	-65.0	<=8.0
2437.65	12.9	16.4	-5.5	2.0	-65.4	<=8.0
2437.70	13.1	16.4	-5.3	2.0	-65.2	<=8.0
2437.75	12.9	16.4	-5.5	2.0	-65.4	<=8.0
2437.80	13.0	16.4	-5.4	2.0	-65.3	<=8.0
2437.85	12.9	16.4	-5.5	2.0	-65.4	<=8.0
2437.90	12.5	16.4	-5.9	2.0	-65.8	<=8.0
2437.95	12.7	16.4	-5.7	2.0	-65.6	<=8.0
2438.00	13.0	16.4	-5.4	2.0	-65.3	<=8.0
2438.05	13.1	16.4	-5.3	2.0	-65.2	<=8.0

11Mbps CHANNEL 6 Processing Gain						
Gp = (S/N)o + Mj + Lsys						
Freq.	Gp	(S/N)o	Mj=J/S	Lsys	Jammer	PER
(MHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(%)
2438.10	13.2	16.4	-5.2	2.0	-65.1	<=8.0
2438.15	13.3	16.4	-5.1	2.0	-65.0	<=8.0
2438.20	13.2	16.4	-5.2	2.0	-65.1	<=8.0
2438.25	13.2	16.4	-5.2	2.0	-65.1	<=8.0
2438.30	13.2	16.4	-5.2	2.0	-65.1	<=8.0
2438.35	12.9	16.4	-5.5	2.0	-65.4	<=8.0
2438.40	12.6	16.4	-5.8	2.0	-65.7	<=8.0
2438.45	12.8	16.4	-5.6	2.0	-65.5	<=8.0
2438.50	13.2	16.4	-5.2	2.0	-65.1	<=8.0
2438.55	13.1	16.4	-5.3	2.0	-65.2	<=8.0
2438.60	12.9	16.4	-5.5	2.0	-65.4	<=8.0
2438.65	13.0	16.4	-5.4	2.0	-65.3	<=8.0
2438.70	12.9	16.4	-5.5	2.0	-65.4	<=8.0
2438.75	13.0	16.4	-5.4	2.0	-65.3	<=8.0
2438.80	13.1	16.4	-5.3	2.0	-65.2	<=8.0
2438.85	13.1	16.4	-5.3	2.0	-65.2	<=8.0
2438.90	13.0	16.4	-5.4	2.0	-65.3	<=8.0
2438.95	13.0	16.4	-5.4	2.0	-65.3	<=8.0
2439.00	12.9	16.4	-5.5	2.0	-65.4	<=8.0
2439.05	12.8	16.4	-5.6	2.0	-65.5	<=8.0
2439.10	12.9	16.4	-5.5	2.0	-65.4	<=8.0
2439.15	12.8	16.4	-5.6	2.0	-65.5	<=8.0
2439.20	12.8	16.4	-5.6	2.0	-65.5	<=8.0
2439.25	12.9	16.4	-5.5	2.0	-65.4	<=8.0
2439.30	12.9	16.4	-5.5	2.0	-65.4	<=8.0
2439.35	13.0	16.4	-5.4	2.0	-65.3	<=8.0
2439.40	12.9	16.4	-5.5	2.0	-65.4	<=8.0
2439.45	13.1	16.4	-5.3	2.0	-65.2	<=8.0
2439.50	13.0	16.4	-5.4	2.0	-65.3	<=8.0
2439.55	13.0	16.4	-5.4	2.0	-65.3	<=8.0
2439.60	12.8	16.4	-5.6	2.0	-65.5	<=8.0
2439.65	12.7	16.4	-5.7	2.0	-65.6	<=8.0
2439.70	12.6	16.4	-5.8	2.0	-65.7	<=8.0
2439.75	12.5	16.4	-5.9	2.0	-65.8	<=8.0
2439.80	12.6	16.4	-5.8	2.0	-65.7	<=8.0
2439.85	12.7	16.4	-5.7	2.0	-65.6	<=8.0
2439.90	12.7	16.4	-5.7	2.0	-65.6	<=8.0
2439.95	12.8	16.4	-5.6	2.0	-65.5	<=8.0
2440.00	12.7	16.4	-5.7	2.0	-65.6	<=8.0
2440.05	12.8	16.4	-5.6	2.0	-65.5	<=8.0
2440.10	12.7	16.4	-5.7	2.0	-65.6	<=8.0
2440.15	12.9	16.4	-5.5	2.0	-65.4	<=8.0
2440.20	13.0	16.4	-5.4	2.0	-65.3	<=8.0
2440.25	13.0	16.4	-5.4	2.0	-65.3	<=8.0
2440.30	13.1	16.4	-5.3	2.0	-65.2	<=8.0
2440.35	12.8	16.4	-5.6	2.0	-65.5	<=8.0
2440.40	12.7	16.4	-5.7	2.0	-65.6	<=8.0
2440.45	12.9	16.4	-5.5	2.0	-65.4	<=8.0

11Mbps CHANNEL 6 Processing Gain						
Gp = (S/N)o + Mj + Lsys						
Freq.	Gp	(S/N)o	Mj=J/S	Lsys	Jammer	PER
(MHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(%)
2440.50	13.2	16.4	-5.2	2.0	-65.1	<=8.0
2440.55	13.2	16.4	-5.2	2.0	-65.1	<=8.0
2440.60	13.3	16.4	-5.1	2.0	-65.0	<=8.0
2440.65	13.4	16.4	-5.0	2.0	-64.9	<=8.0
2440.70	13.6	16.4	-4.8	2.0	-64.7	<=8.0
2440.75	13.6	16.4	-4.8	2.0	-64.7	<=8.0
2440.80	13.7	16.4	-4.7	2.0	-64.6	<=8.0
2440.85	13.9	16.4	-4.5	2.0	-64.4	<=8.0
2440.90	13.8	16.4	-4.6	2.0	-64.5	<=8.0
2440.95	13.9	16.4	-4.5	2.0	-64.4	<=8.0
2441.00	13.8	16.4	-4.6	2.0	-64.5	<=8.0
2441.05	13.7	16.4	-4.7	2.0	-64.6	<=8.0
2441.10	13.8	16.4	-4.6	2.0	-64.5	<=8.0
2441.15	13.7	16.4	-4.7	2.0	-64.6	<=8.0
2441.20	13.6	16.4	-4.8	2.0	-64.7	<=8.0
2441.25	13.6	16.4	-4.8	2.0	-64.7	<=8.0
2441.30	13.5	16.4	-4.9	2.0	-64.8	<=8.0
2441.35	13.6	16.4	-4.8	2.0	-64.7	<=8.0
2441.40	13.7	16.4	-4.7	2.0	-64.6	<=8.0
2441.45	14.0	16.4	-4.4	2.0	-64.3	<=8.0
2441.50	14.2	16.4	-4.2	2.0	-64.1	<=8.0
2441.55	14.4	16.4	-4.0	2.0	-63.9	<=8.0
2441.60	14.3	16.4	-4.1	2.0	-64.0	<=8.0
2441.65	14.4	16.4	-4.0	2.0	-63.9	<=8.0
2441.70	14.5	16.4	-3.9	2.0	-63.8	<=8.0
2441.75	14.4	16.4	-4.0	2.0	-63.9	<=8.0
2441.80	14.3	16.4	-4.1	2.0	-64.0	<=8.0
2441.85	14.4	16.4	-4.0	2.0	-63.9	<=8.0
2441.90	14.2	16.4	-4.2	2.0	-64.1	<=8.0
2441.95	14.1	16.4	-4.3	2.0	-64.2	<=8.0
2442.00	14.4	16.4	-4.0	2.0	-63.9	<=8.0
2442.05	14.5	16.4	-3.9	2.0	-63.8	<=8.0
2442.10	14.6	16.4	-3.8	2.0	-63.7	<=8.0
2442.15	14.5	16.4	-3.9	2.0	-63.8	<=8.0
2442.20	14.7	16.4	-3.7	2.0	-63.6	<=8.0
2442.25	15.0	16.4	-3.4	2.0	-63.3	<=8.0
2442.30	15.1	16.4	-3.3	2.0	-63.2	<=8.0
2442.35	15.0	16.4	-3.4	2.0	-63.3	<=8.0
2442.40	15.1	16.4	-3.3	2.0	-63.2	<=8.0
2442.45	15.3	16.4	-3.1	2.0	-63.0	<=8.0
2442.50	15.4	16.4	-3.0	2.0	-62.9	<=8.0
2442.55	15.4	16.4	-3.0	2.0	-62.9	<=8.0
2442.60	15.3	16.4	-3.1	2.0	-63.0	<=8.0
2442.65	15.4	16.4	-3.0	2.0	-62.9	<=8.0
2442.70	15.5	16.4	-2.9	2.0	-62.8	<=8.0
2442.75	15.4	16.4	-3.0	2.0	-62.9	<=8.0
2442.80	15.6	16.4	-2.8	2.0	-62.7	<=8.0
2442.85	16.0	16.4	-2.4	2.0	-62.3	<=8.0

11Mbps CHANNEL 6 Processing Gain						
Gp = (S/N)o + Mj + Lsys						
Freq.	Gp	(S/N)o	Mj=J/S	Lsys	Jammer	PER
(MHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(%)
2442.90	16.1	16.4	-2.3	2.0	-62.2	<=8.0
2442.95	16.2	16.4	-2.2	2.0	-62.1	<=8.0
2443.00	16.3	16.4	-2.1	2.0	-62.0	<=8.0
2443.05	16.2	16.4	-2.2	2.0	-62.1	<=8.0
2443.10	16.6	16.4	-1.8	2.0	-61.7	<=8.0
2443.15	16.4	16.4	-2.0	2.0	-61.9	<=8.0
2443.20	16.6	16.4	-1.8	2.0	-61.7	<=8.0
2443.25	16.5	16.4	-1.9	2.0	-61.8	<=8.0
2443.30	16.9	16.4	-1.5	2.0	-61.4	<=8.0
2443.35	16.7	16.4	-1.7	2.0	-61.6	<=8.0
2443.40	16.9	16.4	-1.5	2.0	-61.4	<=8.0
2443.45	17.3	16.4	-1.1	2.0	-61.0	<=8.0
2443.50	17.5	16.4	-0.9	2.0	-60.8	<=8.0
2443.55	17.7	16.4	-0.7	2.0	-60.6	<=8.0
2443.60	17.7	16.4	-0.7	2.0	-60.6	<=8.0
2443.65	17.8	16.4	-0.6	2.0	-60.5	<=8.0
2443.70	18.2	16.4	-0.2	2.0	-60.1	<=8.0
2443.75	18.4	16.4	0.0	2.0	-59.9	<=8.0
2443.80	18.6	16.4	0.2	2.0	-59.7	<=8.0
2443.85	18.4	16.4	0.0	2.0	-59.9	<=8.0
2443.90	18.6	16.4	0.2	2.0	-59.7	<=8.0
2443.95	18.8	16.4	0.4	2.0	-59.5	<=8.0
2444.00	19.4	16.4	1.0	2.0	-58.9	<=8.0
2444.05	19.8	16.4	1.4	2.0	-58.5	<=8.0
2444.10	19.6	16.4	1.2	2.0	-58.7	<=8.0
2444.15	20.0	16.4	1.6	2.0	-58.3	<=8.0
2444.20	19.9	16.4	1.5	2.0	-58.4	<=8.0
2444.25	20.3	16.4	1.9	2.0	-58.0	<=8.0
2444.30	20.7	16.4	2.3	2.0	-57.6	<=8.0
2444.35	20.4	16.4	2.0	2.0	-57.9	<=8.0
2444.40	20.7	16.4	2.3	2.0	-57.6	<=8.0
2444.45	21.0	16.4	2.6	2.0	-57.3	<=8.0
2444.50	20.8	16.4	2.4	2.0	-57.5	<=8.0
2444.55	21.4	16.4	3.0	2.0	-56.9	<=8.0
2444.60	21.8	16.4	3.4	2.0	-56.5	<=8.0
2444.65	21.8	16.4	3.4	2.0	-56.5	<=8.0
2444.70	22.1	16.4	3.7	2.0	-56.2	<=8.0
2444.75	22.4	16.4	4.0	2.0	-55.9	<=8.0
2444.80	22.9	16.4	4.5	2.0	-55.4	<=8.0
2444.85	23.1	16.4	4.7	2.0	-55.2	<=8.0
2444.90	22.7	16.4	4.3	2.0	-55.6	<=8.0
2444.95	23.7	16.4	5.3	2.0	-54.6	<=8.0
2445.00	23.7	16.4	5.3	2.0	-54.6	<=8.0
2445.05	23.3	16.4	4.9	2.0	-55.0	<=8.0
2445.10	23.2	16.4	4.8	2.0	-55.1	<=8.0
2445.15	23.2	16.4	4.8	2.0	-55.1	<=8.0
2445.20	23.0	16.4	4.6	2.0	-55.3	<=8.0
2445.25	23.3	16.4	4.9	2.0	-55.0	<=8.0

11Mbps CHANNEL 6 Processing Gain						
$G_p = (S/N)_o + M_j + L_{sys}$						
Freq.	G_p	$(S/N)_o$	$M_j = J/S$	L_{sys}	Jammer	PER
(MHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(%)
2445.30	23.7	16.4	5.3	2.0	-54.6	≤ 8.0
2445.35	23.9	16.4	5.5	2.0	-54.4	≤ 8.0
2445.40	23.9	16.4	5.5	2.0	-54.4	≤ 8.0
2445.45	23.9	16.4	5.5	2.0	-54.4	≤ 8.0
2445.50	23.6	16.4	5.2	2.0	-54.7	≤ 8.0

13.0

Test Conditions

TX Card **HWB3163-04 Rev B**
 S/N **99360038**
 RX Card **ISL36342U-EVAL Rev C1**
 S/N **01060093**
 TX Firmware **P10002C0, MS11168A3**
 RX Firmware **PU010000, SU010000**
 Software Ver. **3.0.24**
 Mode **11 MB Pseudo IBSS**
 Pkt Size **1024**
 Pkt Dly **1**
 Pkt Burst **0**

Intersil Chips on Card: **HFA38421N**
HFA38631N
HFA37831N
HFA3683A1N
HFA3983IV

Processing Gain (dB)	XMIT level	-59.9
	S/N+Ls	18.4
	0dB J/S	0.0
PG	offset	Signal Generator Delta
25.0	-8500	6.6
24.2	-8450	5.8
23.7	-8400	5.3
23.5	-8350	5.1
23.7	-8300	5.3
24.1	-8250	5.7
24.6	-8200	6.2
24.8	-8150	6.4
24.8	-8100	6.4
24.6	-8050	6.2
24.4	-8000	6.0
24.2	-7950	5.8
23.9	-7900	5.5
23.9	-7850	5.5
23.9	-7800	5.5
24.3	-7750	5.9
24.6	-7700	6.2
24.4	-7650	6.0
23.7	-7600	5.3
23.6	-7550	5.2
23.7	-7500	5.3
23.4	-7450	5.0
22.9	-7400	4.5
22.3	-7350	3.9
22.7	-7300	4.3
22.5	-7250	4.1
22.3	-7200	3.9
21.2	-7150	2.8
21.2	-7100	2.8
21.1	-7050	2.7
21.1	-7000	2.7
20.9	-6950	2.5
20.5	-6900	2.1
19.9	-6850	1.5
19.9	-6800	1.5
19.8	-6750	1.4
19.3	-6700	0.9
19.3	-6650	0.9
18.9	-6600	0.5
18.9	-6550	0.5
18.9	-6500	0.5
18.9	-6450	0.5
18.8	-6400	0.4
18.6	-6350	0.2
18.2	-6300	-0.2
18.0	-6250	-0.4
17.7	-6200	-0.7

ISL36342U-EVAL, s/n 93
CH6 Processing Gain
11 MB Data Rate

Processing Gain ISL36342U_EVAL rev 2.xls

Measured by:
S. Rothwell

17.7	-6150	-0.7
17.4	-6100	-1.0
17.4	-6050	-1.0
17.3	-6000	-1.1
17.3	-5950	-1.1
17.2	-5900	-1.2
17.3	-5850	-1.1
17.1	-5800	-1.3
17.2	-5750	-1.2
17.2	-5700	-1.2
16.9	-5650	-1.5
16.5	-5600	-1.9
16.5	-5550	-1.9
16.4	-5500	-2.0
16.2	-5450	-2.2
16.0	-5400	-2.4
15.9	-5350	-2.5
15.8	-5300	-2.6
15.7	-5250	-2.7
15.7	-5200	-2.7
15.5	-5150	-2.9
15.8	-5100	-2.6
15.8	-5050	-2.6
15.8	-5000	-2.6
15.8	-4950	-2.6
15.6	-4900	-2.8
15.4	-4850	-3.0
15.3	-4800	-3.1
15.3	-4750	-3.1
15.0	-4700	-3.4
15.0	-4650	-3.4
14.5	-4600	-3.9
14.4	-4550	-4.0
14.6	-4500	-3.8
14.7	-4450	-3.7
14.7	-4400	-3.7
14.7	-4350	-3.7
14.6	-4300	-3.8
14.8	-4250	-3.6
14.8	-4200	-3.6
14.6	-4150	-3.8
14.6	-4100	-3.8
14.6	-4050	-3.8
14.5	-4000	-3.9
14.5	-3950	-3.9
14.4	-3900	-4.0
14.3	-3850	-4.1
14.2	-3800	-4.2
14.2	-3750	-4.2
14.3	-3700	-4.1
14.3	-3650	-4.1
13.8	-3600	-4.6

ISL36342U-EVAL, s/n 93
CH6 Processing Gain
11 MB Data Rate

Processing Gain ISL36342U_EVAL rev 2.xls

Measured by:
S. Rothwell

13.8	-3550	-4.6
13.9	-3500	-4.5
14.0	-3450	-4.4
13.9	-3400	-4.5
13.6	-3350	-4.8
13.6	-3300	-4.8
13.6	-3250	-4.8
13.7	-3200	-4.7
13.6	-3150	-4.8
13.0	-3100	-5.4
13.7	-3050	-4.7
13.6	-3000	-4.8
13.5	-2950	-4.9
13.3	-2900	-5.1
13.4	-2850	-5.0
13.2	-2800	-5.2
13.3	-2750	-5.1
13.2	-2700	-5.2
13.1	-2650	-5.3
12.6	-2600	-5.8
13.0	-2550	-5.4
13.1	-2500	-5.3
13.1	-2450	-5.3
13.1	-2400	-5.3
13.0	-2350	-5.4
13.1	-2300	-5.3
13.1	-2250	-5.3
13.0	-2200	-5.4
12.7	-2150	-5.7
12.4	-2100	-6.0
12.8	-2050	-5.6
12.8	-2000	-5.6
12.8	-1950	-5.6
12.8	-1900	-5.6
12.7	-1850	-5.7
12.9	-1800	-5.5
13.0	-1750	-5.4
13.0	-1700	-5.4
13.0	-1650	-5.4
12.7	-1600	-5.7
13.0	-1550	-5.4
12.9	-1500	-5.5
12.9	-1450	-5.5
12.7	-1400	-5.7
12.5	-1350	-5.9
12.7	-1300	-5.7
12.8	-1250	-5.6
12.9	-1200	-5.5
12.8	-1150	-5.6
13.0	-1100	-5.4
13.2	-1050	-5.2
13.3	-1000	-5.1

ISL36342U-EVAL, s/n 93
CH6 Processing Gain
11 MB Data Rate

Processing Gain ISL36342U_EVAL rev 2.xls

Measured by:
S. Rothwell

13.4	-950	-5.0
13.3	-900	-5.1
13.3	-850	-5.1
13.0	-800	-5.4
13.2	-750	-5.2
13.1	-700	-5.3
13.0	-650	-5.4
12.3	-600	-6.1
12.9	-550	-5.5
13.0	-500	-5.4
12.9	-450	-5.5
12.3	-400	-6.1
12.4	-350	-6.0
13.2	-300	-5.2
13.4	-250	-5.0
13.4	-200	-5.0
13.2	-150	-5.2
13.2	-100	-5.2
13.1	-50	-5.3
13.1	0	-5.3
13.0	50	-5.4
12.8	100	-5.6
12.8	150	-5.6
12.9	200	-5.5
12.9	250	-5.5
12.9	300	-5.5
13.0	350	-5.4
13.2	400	-5.2
13.2	450	-5.2
13.3	500	-5.1
13.2	550	-5.2
13.3	600	-5.1
12.9	650	-5.5
13.1	700	-5.3
12.9	750	-5.5
13.0	800	-5.4
12.9	850	-5.5
12.5	900	-5.9
12.7	950	-5.7
13.0	1000	-5.4
13.1	1050	-5.3
13.2	1100	-5.2
13.3	1150	-5.1
13.2	1200	-5.2
13.2	1250	-5.2
13.2	1300	-5.2
12.9	1350	-5.5
12.6	1400	-5.8
12.8	1450	-5.6
13.2	1500	-5.2
13.1	1550	-5.3
12.9	1600	-5.5

ISL36342U-EVAL, s/n 93
CH6 Processing Gain
11 MB Data Rate

Processing Gain ISL36342U_EVAL rev 2.xls

Measured by:
S. Rothwell

13.0	1650	-5.4
12.9	1700	-5.5
13.0	1750	-5.4
13.1	1800	-5.3
13.1	1850	-5.3
13.0	1900	-5.4
13.0	1950	-5.4
12.9	2000	-5.5
12.8	2050	-5.6
12.9	2100	-5.5
12.8	2150	-5.6
12.8	2200	-5.6
12.9	2250	-5.5
12.9	2300	-5.5
13.0	2350	-5.4
12.9	2400	-5.5
13.1	2450	-5.3
13.0	2500	-5.4
13.0	2550	-5.4
12.8	2600	-5.6
12.7	2650	-5.7
12.6	2700	-5.8
12.5	2750	-5.9
12.6	2800	-5.8
12.7	2850	-5.7
12.7	2900	-5.7
12.8	2950	-5.6
12.7	3000	-5.7
12.8	3050	-5.6
12.7	3100	-5.7
12.9	3150	-5.5
13.0	3200	-5.4
13.0	3250	-5.4
13.1	3300	-5.3
12.8	3350	-5.6
12.7	3400	-5.7
12.9	3450	-5.5
13.2	3500	-5.2
13.2	3550	-5.2
13.3	3600	-5.1
13.4	3650	-5.0
13.6	3700	-4.8
13.6	3750	-4.8
13.7	3800	-4.7
13.9	3850	-4.5
13.8	3900	-4.6
13.9	3950	-4.5
13.8	4000	-4.6
13.7	4050	-4.7
13.8	4100	-4.6
13.7	4150	-4.7
13.6	4200	-4.8

ISL36342U-EVAL, s/n 93
CH6 Processing Gain
11 MB Data Rate

Processing Gain ISL36342U_EVAL rev 2.xls

Measured by:
S. Rothwell

13.6	4250	-4.8
13.5	4300	-4.9
13.6	4350	-4.8
13.7	4400	-4.7
14.0	4450	-4.4
14.2	4500	-4.2
14.4	4550	-4.0
14.3	4600	-4.1
14.4	4650	-4.0
14.5	4700	-3.9
14.4	4750	-4.0
14.3	4800	-4.1
14.4	4850	-4.0
14.2	4900	-4.2
14.1	4950	-4.3
14.4	5000	-4.0
14.5	5050	-3.9
14.6	5100	-3.8
14.5	5150	-3.9
14.7	5200	-3.7
15.0	5250	-3.4
15.1	5300	-3.3
15.0	5350	-3.4
15.1	5400	-3.3
15.3	5450	-3.1
15.4	5500	-3.0
15.4	5550	-3.0
15.3	5600	-3.1
15.4	5650	-3.0
15.5	5700	-2.9
15.4	5750	-3.0
15.6	5800	-2.8
16.0	5850	-2.4
16.1	5900	-2.3
16.2	5950	-2.2
16.3	6000	-2.1
16.2	6050	-2.2
16.6	6100	-1.8
16.4	6150	-2.0
16.6	6200	-1.8
16.5	6250	-1.9
16.9	6300	-1.5
16.7	6350	-1.7
16.9	6400	-1.5
17.3	6450	-1.1
17.5	6500	-0.9
17.7	6550	-0.7
17.7	6600	-0.7
17.8	6650	-0.6
18.2	6700	-0.2
18.4	6750	0.0
18.6	6800	0.2

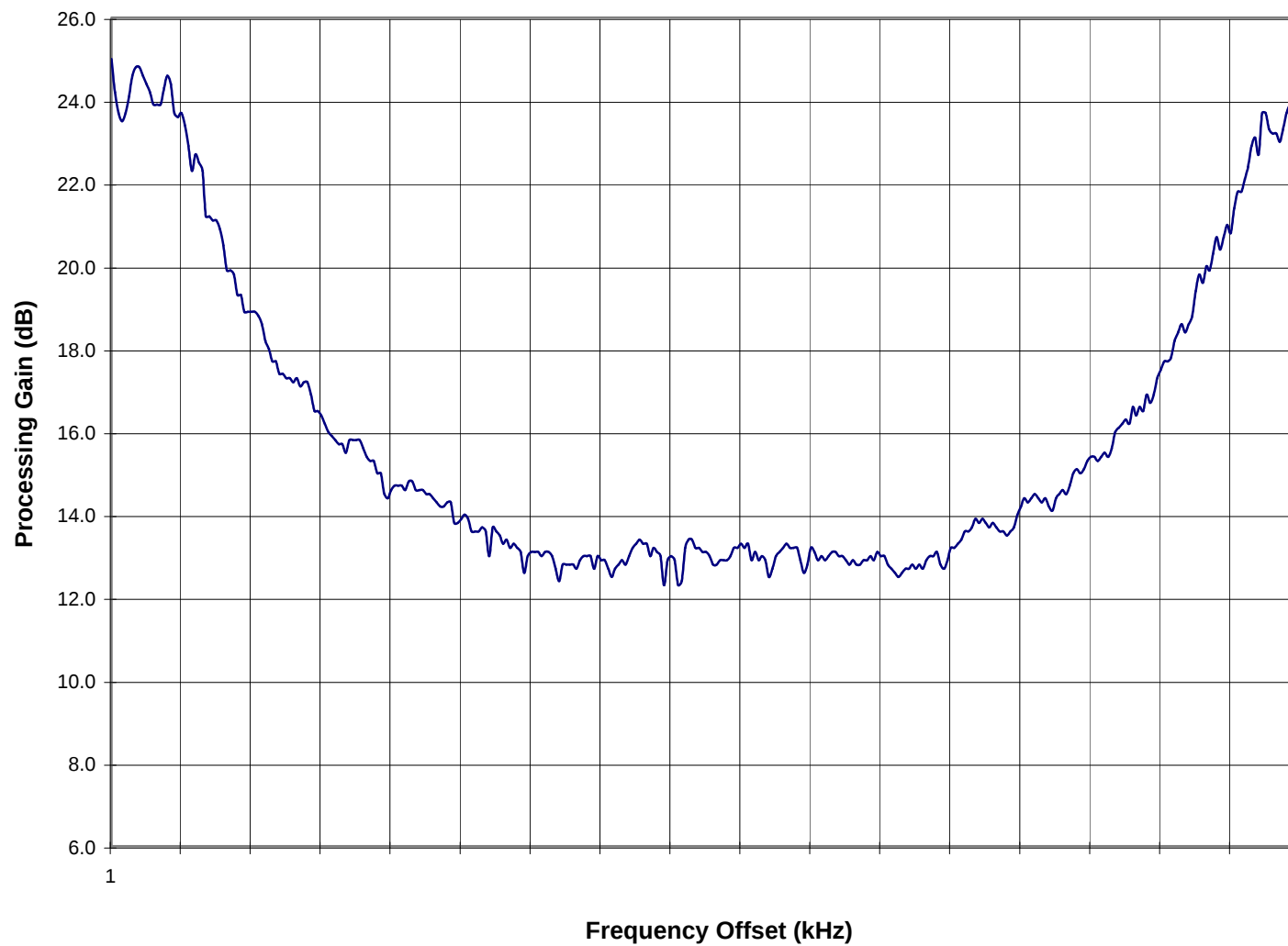
ISL36342U-EVAL, s/n 93
CH6 Processing Gain
11 MB Data Rate

Processing Gain ISL36342U_EVAL rev 2.xls

Measured by:
S. Rothwell

18.4	6850	0.0
18.6	6900	0.2
18.8	6950	0.4
19.4	7000	1.0
19.8	7050	1.4
19.6	7100	1.2
20.0	7150	1.6
19.9	7200	1.5
20.3	7250	1.9
20.7	7300	2.3
20.4	7350	2.0
20.7	7400	2.3
21.0	7450	2.6
20.8	7500	2.4
21.4	7550	3.0
21.8	7600	3.4
21.8	7650	3.4
22.1	7700	3.7
22.4	7750	4.0
22.9	7800	4.5
23.1	7850	4.7
22.7	7900	4.3
23.7	7950	5.3
23.7	8000	5.3
23.3	8050	4.9
23.2	8100	4.8
23.2	8150	4.8
23.0	8200	4.6
23.3	8250	4.9
23.7	8300	5.3
23.9	8350	5.5
23.9	8400	5.5
23.9	8450	5.5
23.6	8500	5.2
13.0		

Processing Gain
Channel 6 (fc=2437MHz) @ 11Mbps



11Mbps CHANNEL 11 Processing Gain						
Gp = (S/N)o + Mj + Lsys						
Freq.	Gp	(S/N)o	Mj=J/S	Lsys	Jammer	PER
(MHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(%)
2453.50	25.8	16.4	7.4	2.0	-52.5	<=8.0
2453.55	25.1	16.4	6.7	2.0	-53.2	<=8.0
2453.60	24.5	16.4	6.1	2.0	-53.8	<=8.0
2453.65	24.1	16.4	5.7	2.0	-54.2	<=8.0
2453.70	24.3	16.4	5.9	2.0	-54.0	<=8.0
2453.75	24.8	16.4	6.4	2.0	-53.5	<=8.0
2453.80	25.2	16.4	6.8	2.0	-53.1	<=8.0
2453.85	25.3	16.4	6.9	2.0	-53.0	<=8.0
2453.90	25.3	16.4	6.9	2.0	-53.0	<=8.0
2453.95	25.1	16.4	6.7	2.0	-53.2	<=8.0
2454.00	24.9	16.4	6.5	2.0	-53.4	<=8.0
2454.05	24.6	16.4	6.2	2.0	-53.7	<=8.0
2454.10	24.5	16.4	6.1	2.0	-53.8	<=8.0
2454.15	24.5	16.4	6.1	2.0	-53.8	<=8.0
2454.20	24.4	16.4	6.0	2.0	-53.9	<=8.0
2454.25	24.8	16.4	6.4	2.0	-53.5	<=8.0
2454.30	25.1	16.4	6.7	2.0	-53.2	<=8.0
2454.35	24.8	16.4	6.4	2.0	-53.5	<=8.0
2454.40	24.5	16.4	6.1	2.0	-53.8	<=8.0
2454.45	24.2	16.4	5.8	2.0	-54.1	<=8.0
2454.50	24.1	16.4	5.7	2.0	-54.2	<=8.0
2454.55	23.8	16.4	5.4	2.0	-54.5	<=8.0
2454.60	23.5	16.4	5.1	2.0	-54.8	<=8.0
2454.65	23.4	16.4	5.0	2.0	-54.9	<=8.0
2454.70	23.2	16.4	4.8	2.0	-55.1	<=8.0
2454.75	22.9	16.4	4.5	2.0	-55.4	<=8.0
2454.80	22.8	16.4	4.4	2.0	-55.5	<=8.0
2454.85	21.8	16.4	3.4	2.0	-56.5	<=8.0
2454.90	21.9	16.4	3.5	2.0	-56.4	<=8.0
2454.95	21.8	16.4	3.4	2.0	-56.5	<=8.0
2455.00	21.9	16.4	3.5	2.0	-56.4	<=8.0
2455.05	21.4	16.4	3.0	2.0	-56.9	<=8.0
2455.10	21.0	16.4	2.6	2.0	-57.3	<=8.0
2455.15	20.9	16.4	2.5	2.0	-57.4	<=8.0
2455.20	20.5	16.4	2.1	2.0	-57.8	<=8.0
2455.25	19.9	16.4	1.5	2.0	-58.4	<=8.0
2455.30	19.7	16.4	1.3	2.0	-58.6	<=8.0
2455.35	19.5	16.4	1.1	2.0	-58.8	<=8.0
2455.40	19.4	16.4	1.0	2.0	-58.9	<=8.0
2455.45	19.5	16.4	1.1	2.0	-58.8	<=8.0
2455.50	19.4	16.4	1.0	2.0	-58.9	<=8.0
2455.55	19.2	16.4	0.8	2.0	-59.1	<=8.0
2455.60	19.3	16.4	0.9	2.0	-59.0	<=8.0
2455.65	19.0	16.4	0.6	2.0	-59.3	<=8.0
2455.70	18.8	16.4	0.4	2.0	-59.5	<=8.0
2455.75	18.4	16.4	0.0	2.0	-59.9	<=8.0
2455.80	18.3	16.4	-0.1	2.0	-60.0	<=8.0
2455.85	17.8	16.4	-0.6	2.0	-60.5	<=8.0

11Mbps CHANNEL 11 Processing Gain						
Gp = (S/N)o + Mj + Lsys						
Freq.	Gp	(S/N)o	Mj=J/S	Lsys	Jammer	PER
(MHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(%)
2455.90	17.6	16.4	-0.8	2.0	-60.7	<=8.0
2455.95	17.7	16.4	-0.7	2.0	-60.6	<=8.0
2456.00	17.6	16.4	-0.8	2.0	-60.7	<=8.0
2456.05	17.4	16.4	-1.0	2.0	-60.9	<=8.0
2456.10	17.5	16.4	-0.9	2.0	-60.8	<=8.0
2456.15	17.4	16.4	-1.0	2.0	-60.9	<=8.0
2456.20	17.3	16.4	-1.1	2.0	-61.0	<=8.0
2456.25	17.1	16.4	-1.3	2.0	-61.2	<=8.0
2456.30	17.3	16.4	-1.1	2.0	-61.0	<=8.0
2456.35	16.8	16.4	-1.6	2.0	-61.5	<=8.0
2456.40	16.7	16.4	-1.7	2.0	-61.6	<=8.0
2456.45	16.8	16.4	-1.6	2.0	-61.5	<=8.0
2456.50	16.6	16.4	-1.8	2.0	-61.7	<=8.0
2456.55	16.4	16.4	-2.0	2.0	-61.9	<=8.0
2456.60	16.3	16.4	-2.1	2.0	-62.0	<=8.0
2456.65	16.1	16.4	-2.3	2.0	-62.2	<=8.0
2456.70	16.0	16.4	-2.4	2.0	-62.3	<=8.0
2456.75	16.1	16.4	-2.3	2.0	-62.2	<=8.0
2456.80	15.9	16.4	-2.5	2.0	-62.4	<=8.0
2456.85	15.9	16.4	-2.5	2.0	-62.4	<=8.0
2456.90	15.9	16.4	-2.5	2.0	-62.4	<=8.0
2456.95	15.9	16.4	-2.5	2.0	-62.4	<=8.0
2457.00	16.0	16.4	-2.4	2.0	-62.3	<=8.0
2457.05	15.8	16.4	-2.6	2.0	-62.5	<=8.0
2457.10	15.8	16.4	-2.6	2.0	-62.5	<=8.0
2457.15	15.5	16.4	-2.9	2.0	-62.8	<=8.0
2457.20	15.4	16.4	-3.0	2.0	-62.9	<=8.0
2457.25	15.5	16.4	-2.9	2.0	-62.8	<=8.0
2457.30	15.1	16.4	-3.3	2.0	-63.2	<=8.0
2457.35	14.8	16.4	-3.6	2.0	-63.5	<=8.0
2457.40	14.7	16.4	-3.7	2.0	-63.6	<=8.0
2457.45	14.8	16.4	-3.6	2.0	-63.5	<=8.0
2457.50	14.8	16.4	-3.6	2.0	-63.5	<=8.0
2457.55	15.0	16.4	-3.4	2.0	-63.3	<=8.0
2457.60	14.8	16.4	-3.6	2.0	-63.5	<=8.0
2457.65	15.0	16.4	-3.4	2.0	-63.3	<=8.0
2457.70	14.9	16.4	-3.5	2.0	-63.4	<=8.0
2457.75	14.9	16.4	-3.5	2.0	-63.4	<=8.0
2457.80	14.8	16.4	-3.6	2.0	-63.5	<=8.0
2457.85	14.7	16.4	-3.7	2.0	-63.6	<=8.0
2457.90	14.7	16.4	-3.7	2.0	-63.6	<=8.0
2457.95	14.8	16.4	-3.6	2.0	-63.5	<=8.0
2458.00	14.8	16.4	-3.6	2.0	-63.5	<=8.0
2458.05	14.7	16.4	-3.7	2.0	-63.6	<=8.0
2458.10	14.6	16.4	-3.8	2.0	-63.7	<=8.0
2458.15	14.4	16.4	-4.0	2.0	-63.9	<=8.0
2458.20	14.3	16.4	-4.1	2.0	-64.0	<=8.0
2458.25	14.4	16.4	-4.0	2.0	-63.9	<=8.0

11Mbps CHANNEL 11 Processing Gain						
Gp = (S/N)o + Mj + Lsys						
Freq.	Gp	(S/N)o	Mj=J/S	Lsys	Jammer	PER
(MHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(%)
2458.30	14.5	16.4	-3.9	2.0	-63.8	<=8.0
2458.35	14.4	16.4	-4.0	2.0	-63.9	<=8.0
2458.40	14.3	16.4	-4.1	2.0	-64.0	<=8.0
2458.45	14.2	16.4	-4.2	2.0	-64.1	<=8.0
2458.50	14.3	16.4	-4.1	2.0	-64.0	<=8.0
2458.55	14.2	16.4	-4.2	2.0	-64.1	<=8.0
2458.60	14.0	16.4	-4.4	2.0	-64.3	<=8.0
2458.65	13.9	16.4	-4.5	2.0	-64.4	<=8.0
2458.70	13.7	16.4	-4.7	2.0	-64.6	<=8.0
2458.75	13.6	16.4	-4.8	2.0	-64.7	<=8.0
2458.80	13.8	16.4	-4.6	2.0	-64.5	<=8.0
2458.85	13.5	16.4	-4.9	2.0	-64.8	<=8.0
2458.90	13.0	16.4	-5.4	2.0	-65.3	<=8.0
2458.95	13.6	16.4	-4.8	2.0	-64.7	<=8.0
2459.00	13.7	16.4	-4.7	2.0	-64.6	<=8.0
2459.05	13.6	16.4	-4.8	2.0	-64.7	<=8.0
2459.10	13.6	16.4	-4.8	2.0	-64.7	<=8.0
2459.15	13.7	16.4	-4.7	2.0	-64.6	<=8.0
2459.20	13.5	16.4	-4.9	2.0	-64.8	<=8.0
2459.25	13.3	16.4	-5.1	2.0	-65.0	<=8.0
2459.30	13.4	16.4	-5.0	2.0	-64.9	<=8.0
2459.35	13.2	16.4	-5.2	2.0	-65.1	<=8.0
2459.40	13.0	16.4	-5.4	2.0	-65.3	<=8.0
2459.45	12.9	16.4	-5.5	2.0	-65.4	<=8.0
2459.50	13.2	16.4	-5.2	2.0	-65.1	<=8.0
2459.55	13.0	16.4	-5.4	2.0	-65.3	<=8.0
2459.60	13.1	16.4	-5.3	2.0	-65.2	<=8.0
2459.65	13.1	16.4	-5.3	2.0	-65.2	<=8.0
2459.70	13.1	16.4	-5.3	2.0	-65.2	<=8.0
2459.75	13.1	16.4	-5.3	2.0	-65.2	<=8.0
2459.80	13.2	16.4	-5.2	2.0	-65.1	<=8.0
2459.85	12.9	16.4	-5.5	2.0	-65.4	<=8.0
2459.90	12.8	16.4	-5.6	2.0	-65.5	<=8.0
2459.95	12.9	16.4	-5.5	2.0	-65.4	<=8.0
2460.00	13.0	16.4	-5.4	2.0	-65.3	<=8.0
2460.05	12.9	16.4	-5.5	2.0	-65.4	<=8.0
2460.10	12.9	16.4	-5.5	2.0	-65.4	<=8.0
2460.15	12.9	16.4	-5.5	2.0	-65.4	<=8.0
2460.20	13.1	16.4	-5.3	2.0	-65.2	<=8.0
2460.25	13.4	16.4	-5.0	2.0	-64.9	<=8.0
2460.30	13.3	16.4	-5.1	2.0	-65.0	<=8.0
2460.35	13.2	16.4	-5.2	2.0	-65.1	<=8.0
2460.40	13.1	16.4	-5.3	2.0	-65.2	<=8.0
2460.45	12.9	16.4	-5.5	2.0	-65.4	<=8.0
2460.50	13.3	16.4	-5.1	2.0	-65.0	<=8.0
2460.55	13.1	16.4	-5.3	2.0	-65.2	<=8.0
2460.60	13.0	16.4	-5.4	2.0	-65.3	<=8.0
2460.65	13.0	16.4	-5.4	2.0	-65.3	<=8.0

11Mbps CHANNEL 11 Processing Gain						
Gp = (S/N)o + Mj + Lsys						
Freq.	Gp	(S/N)o	Mj=J/S	Lsys	Jammer	PER
(MHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(%)
2460.70	13.0	16.4	-5.4	2.0	-65.3	<=8.0
2460.75	13.2	16.4	-5.2	2.0	-65.1	<=8.0
2460.80	13.1	16.4	-5.3	2.0	-65.2	<=8.0
2460.85	13.1	16.4	-5.3	2.0	-65.2	<=8.0
2460.90	13.3	16.4	-5.1	2.0	-65.0	<=8.0
2460.95	13.4	16.4	-5.0	2.0	-64.9	<=8.0
2461.00	13.5	16.4	-4.9	2.0	-64.8	<=8.0
2461.05	13.4	16.4	-5.0	2.0	-64.9	<=8.0
2461.10	13.6	16.4	-4.8	2.0	-64.7	<=8.0
2461.15	13.7	16.4	-4.7	2.0	-64.6	<=8.0
2461.20	13.3	16.4	-5.1	2.0	-65.0	<=8.0
2461.25	13.5	16.4	-4.9	2.0	-64.8	<=8.0
2461.30	13.4	16.4	-5.0	2.0	-64.9	<=8.0
2461.35	13.0	16.4	-5.4	2.0	-65.3	<=8.0
2461.40	12.5	16.4	-5.9	2.0	-65.8	<=8.0
2461.45	13.0	16.4	-5.4	2.0	-65.3	<=8.0
2461.50	13.2	16.4	-5.2	2.0	-65.1	<=8.0
2461.55	13.1	16.4	-5.3	2.0	-65.2	<=8.0
2461.60	12.9	16.4	-5.5	2.0	-65.4	<=8.0
2461.65	13.4	16.4	-5.0	2.0	-64.9	<=8.0
2461.70	13.3	16.4	-5.1	2.0	-65.0	<=8.0
2461.75	13.6	16.4	-4.8	2.0	-64.7	<=8.0
2461.80	13.7	16.4	-4.7	2.0	-64.6	<=8.0
2461.85	13.5	16.4	-4.9	2.0	-64.8	<=8.0
2461.90	13.4	16.4	-5.0	2.0	-64.9	<=8.0
2461.95	13.4	16.4	-5.0	2.0	-64.9	<=8.0
2462.00	13.3	16.4	-5.1	2.0	-65.0	<=8.0
2462.05	13.4	16.4	-5.0	2.0	-64.9	<=8.0
2462.10	13.1	16.4	-5.3	2.0	-65.2	<=8.0
2462.15	13.0	16.4	-5.4	2.0	-65.3	<=8.0
2462.20	13.1	16.4	-5.3	2.0	-65.2	<=8.0
2462.25	13.1	16.4	-5.3	2.0	-65.2	<=8.0
2462.30	13.2	16.4	-5.2	2.0	-65.1	<=8.0
2462.35	13.3	16.4	-5.1	2.0	-65.0	<=8.0
2462.40	13.4	16.4	-5.0	2.0	-64.9	<=8.0
2462.45	13.6	16.4	-4.8	2.0	-64.7	<=8.0
2462.50	13.5	16.4	-4.9	2.0	-64.8	<=8.0
2462.55	13.6	16.4	-4.8	2.0	-64.7	<=8.0
2462.60	13.6	16.4	-4.8	2.0	-64.7	<=8.0
2462.65	13.4	16.4	-5.0	2.0	-64.9	<=8.0
2462.70	13.3	16.4	-5.1	2.0	-65.0	<=8.0
2462.75	13.2	16.4	-5.2	2.0	-65.1	<=8.0
2462.80	13.3	16.4	-5.1	2.0	-65.0	<=8.0
2462.85	12.8	16.4	-5.6	2.0	-65.5	<=8.0
2462.90	12.6	16.4	-5.8	2.0	-65.7	<=8.0
2462.95	13.0	16.4	-5.4	2.0	-65.3	<=8.0
2463.00	13.3	16.4	-5.1	2.0	-65.0	<=8.0
2463.05	13.4	16.4	-5.0	2.0	-64.9	<=8.0

11Mbps CHANNEL 11 Processing Gain						
Gp = (S/N)o + Mj + Lsys						
Freq.	Gp	(S/N)o	Mj=J/S	Lsys	Jammer	PER
(MHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(%)
2463.10	13.5	16.4	-4.9	2.0	-64.8	<=8.0
2463.15	13.2	16.4	-5.2	2.0	-65.1	<=8.0
2463.20	13.4	16.4	-5.0	2.0	-64.9	<=8.0
2463.25	13.3	16.4	-5.1	2.0	-65.0	<=8.0
2463.30	13.4	16.4	-5.0	2.0	-64.9	<=8.0
2463.35	12.9	16.4	-5.5	2.0	-65.4	<=8.0
2463.40	12.7	16.4	-5.7	2.0	-65.6	<=8.0
2463.45	12.9	16.4	-5.5	2.0	-65.4	<=8.0
2463.50	13.3	16.4	-5.1	2.0	-65.0	<=8.0
2463.55	13.4	16.4	-5.0	2.0	-64.9	<=8.0
2463.60	13.2	16.4	-5.2	2.0	-65.1	<=8.0
2463.65	13.4	16.4	-5.0	2.0	-64.9	<=8.0
2463.70	13.3	16.4	-5.1	2.0	-65.0	<=8.0
2463.75	13.0	16.4	-5.4	2.0	-65.3	<=8.0
2463.80	13.2	16.4	-5.2	2.0	-65.1	<=8.0
2463.85	13.1	16.4	-5.3	2.0	-65.2	<=8.0
2463.90	13.3	16.4	-5.1	2.0	-65.0	<=8.0
2463.95	13.3	16.4	-5.1	2.0	-65.0	<=8.0
2464.00	13.2	16.4	-5.2	2.0	-65.1	<=8.0
2464.05	13.3	16.4	-5.1	2.0	-65.0	<=8.0
2464.10	13.1	16.4	-5.3	2.0	-65.2	<=8.0
2464.15	13.0	16.4	-5.4	2.0	-65.3	<=8.0
2464.20	13.0	16.4	-5.4	2.0	-65.3	<=8.0
2464.25	13.0	16.4	-5.4	2.0	-65.3	<=8.0
2464.30	13.0	16.4	-5.4	2.0	-65.3	<=8.0
2464.35	13.2	16.4	-5.2	2.0	-65.1	<=8.0
2464.40	13.0	16.4	-5.4	2.0	-65.3	<=8.0
2464.45	13.2	16.4	-5.2	2.0	-65.1	<=8.0
2464.50	13.2	16.4	-5.2	2.0	-65.1	<=8.0
2464.55	13.1	16.4	-5.3	2.0	-65.2	<=8.0
2464.60	13.0	16.4	-5.4	2.0	-65.3	<=8.0
2464.65	12.8	16.4	-5.6	2.0	-65.5	<=8.0
2464.70	12.7	16.4	-5.7	2.0	-65.6	<=8.0
2464.75	12.6	16.4	-5.8	2.0	-65.7	<=8.0
2464.80	12.9	16.4	-5.5	2.0	-65.4	<=8.0
2464.85	12.8	16.4	-5.6	2.0	-65.5	<=8.0
2464.90	12.9	16.4	-5.5	2.0	-65.4	<=8.0
2464.95	12.8	16.4	-5.6	2.0	-65.5	<=8.0
2465.00	12.8	16.4	-5.6	2.0	-65.5	<=8.0
2465.05	12.7	16.4	-5.7	2.0	-65.6	<=8.0
2465.10	12.9	16.4	-5.5	2.0	-65.4	<=8.0
2465.15	13.0	16.4	-5.4	2.0	-65.3	<=8.0
2465.20	12.9	16.4	-5.5	2.0	-65.4	<=8.0
2465.25	13.1	16.4	-5.3	2.0	-65.2	<=8.0
2465.30	13.4	16.4	-5.0	2.0	-64.9	<=8.0
2465.35	13.0	16.4	-5.4	2.0	-65.3	<=8.0
2465.40	12.8	16.4	-5.6	2.0	-65.5	<=8.0
2465.45	12.7	16.4	-5.7	2.0	-65.6	<=8.0

11Mbps CHANNEL 11 Processing Gain						
Gp = (S/N)o + Mj + Lsys						
Freq.	Gp	(S/N)o	Mj=J/S	Lsys	Jammer	PER
(MHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(%)
2465.50	13.4	16.4	-5.0	2.0	-64.9	<=8.0
2465.55	13.4	16.4	-5.0	2.0	-64.9	<=8.0
2465.60	13.5	16.4	-4.9	2.0	-64.8	<=8.0
2465.65	13.3	16.4	-5.1	2.0	-65.0	<=8.0
2465.70	13.6	16.4	-4.8	2.0	-64.7	<=8.0
2465.75	13.8	16.4	-4.6	2.0	-64.5	<=8.0
2465.80	13.9	16.4	-4.5	2.0	-64.4	<=8.0
2465.85	14.0	16.4	-4.4	2.0	-64.3	<=8.0
2465.90	13.8	16.4	-4.6	2.0	-64.5	<=8.0
2465.95	13.9	16.4	-4.5	2.0	-64.4	<=8.0
2466.00	14.0	16.4	-4.4	2.0	-64.3	<=8.0
2466.05	13.9	16.4	-4.5	2.0	-64.4	<=8.0
2466.10	13.9	16.4	-4.5	2.0	-64.4	<=8.0
2466.15	13.9	16.4	-4.5	2.0	-64.4	<=8.0
2466.20	13.8	16.4	-4.6	2.0	-64.5	<=8.0
2466.25	13.6	16.4	-4.8	2.0	-64.7	<=8.0
2466.30	13.8	16.4	-4.6	2.0	-64.5	<=8.0
2466.35	14.2	16.4	-4.2	2.0	-64.1	<=8.0
2466.40	13.9	16.4	-4.5	2.0	-64.4	<=8.0
2466.45	14.2	16.4	-4.2	2.0	-64.1	<=8.0
2466.50	14.2	16.4	-4.2	2.0	-64.1	<=8.0
2466.55	14.3	16.4	-4.1	2.0	-64.0	<=8.0
2466.60	14.4	16.4	-4.0	2.0	-63.9	<=8.0
2466.65	14.6	16.4	-3.8	2.0	-63.7	<=8.0
2466.70	14.5	16.4	-3.9	2.0	-63.8	<=8.0
2466.75	14.6	16.4	-3.8	2.0	-63.7	<=8.0
2466.80	14.5	16.4	-3.9	2.0	-63.8	<=8.0
2466.85	14.5	16.4	-3.9	2.0	-63.8	<=8.0
2466.90	14.4	16.4	-4.0	2.0	-63.9	<=8.0
2466.95	14.5	16.4	-3.9	2.0	-63.8	<=8.0
2467.00	14.6	16.4	-3.8	2.0	-63.7	<=8.0
2467.05	14.5	16.4	-3.9	2.0	-63.8	<=8.0
2467.10	14.6	16.4	-3.8	2.0	-63.7	<=8.0
2467.15	14.7	16.4	-3.7	2.0	-63.6	<=8.0
2467.20	14.8	16.4	-3.6	2.0	-63.5	<=8.0
2467.25	15.1	16.4	-3.3	2.0	-63.2	<=8.0
2467.30	15.2	16.4	-3.2	2.0	-63.1	<=8.0
2467.35	15.3	16.4	-3.1	2.0	-63.0	<=8.0
2467.40	15.1	16.4	-3.3	2.0	-63.2	<=8.0
2467.45	15.0	16.4	-3.4	2.0	-63.3	<=8.0
2467.50	15.5	16.4	-2.9	2.0	-62.8	<=8.0
2467.55	15.5	16.4	-2.9	2.0	-62.8	<=8.0
2467.60	15.5	16.4	-2.9	2.0	-62.8	<=8.0
2467.65	15.8	16.4	-2.6	2.0	-62.5	<=8.0
2467.70	15.7	16.4	-2.7	2.0	-62.6	<=8.0
2467.75	15.8	16.4	-2.6	2.0	-62.5	<=8.0
2467.80	15.9	16.4	-2.5	2.0	-62.4	<=8.0
2467.85	16.0	16.4	-2.4	2.0	-62.3	<=8.0

11Mbps CHANNEL 11 Processing Gain						
Gp = (S/N)o + Mj + Lsys						
Freq.	Gp	(S/N)o	Mj=J/S	Lsys	Jammer	PER
(MHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(%)
2467.90	16.1	16.4	-2.3	2.0	-62.2	<=8.0
2467.95	16.4	16.4	-2.0	2.0	-61.9	<=8.0
2468.00	16.4	16.4	-2.0	2.0	-61.9	<=8.0
2468.05	16.4	16.4	-2.0	2.0	-61.9	<=8.0
2468.10	16.7	16.4	-1.7	2.0	-61.6	<=8.0
2468.15	16.5	16.4	-1.9	2.0	-61.8	<=8.0
2468.20	16.7	16.4	-1.7	2.0	-61.6	<=8.0
2468.25	17.0	16.4	-1.4	2.0	-61.3	<=8.0
2468.30	16.9	16.4	-1.5	2.0	-61.4	<=8.0
2468.35	16.9	16.4	-1.5	2.0	-61.4	<=8.0
2468.40	16.8	16.4	-1.6	2.0	-61.5	<=8.0
2468.45	17.4	16.4	-1.0	2.0	-60.9	<=8.0
2468.50	17.5	16.4	-0.9	2.0	-60.8	<=8.0
2468.55	17.7	16.4	-0.7	2.0	-60.6	<=8.0
2468.60	17.8	16.4	-0.6	2.0	-60.5	<=8.0
2468.65	18.0	16.4	-0.4	2.0	-60.3	<=8.0
2468.70	18.3	16.4	-0.1	2.0	-60.0	<=8.0
2468.75	18.6	16.4	0.2	2.0	-59.7	<=8.0
2468.80	18.7	16.4	0.3	2.0	-59.6	<=8.0
2468.85	18.6	16.4	0.2	2.0	-59.7	<=8.0
2468.90	18.7	16.4	0.3	2.0	-59.6	<=8.0
2468.95	19.1	16.4	0.7	2.0	-59.2	<=8.0
2469.00	19.4	16.4	1.0	2.0	-58.9	<=8.0
2469.05	19.6	16.4	1.2	2.0	-58.7	<=8.0
2469.10	19.7	16.4	1.3	2.0	-58.6	<=8.0
2469.15	20.0	16.4	1.6	2.0	-58.3	<=8.0
2469.20	20.1	16.4	1.7	2.0	-58.2	<=8.0
2469.25	20.4	16.4	2.0	2.0	-57.9	<=8.0
2469.30	20.8	16.4	2.4	2.0	-57.5	<=8.0
2469.35	20.6	16.4	2.2	2.0	-57.7	<=8.0
2469.40	20.7	16.4	2.3	2.0	-57.6	<=8.0
2469.45	21.0	16.4	2.6	2.0	-57.3	<=8.0
2469.50	20.9	16.4	2.5	2.0	-57.4	<=8.0
2469.55	21.6	16.4	3.2	2.0	-56.7	<=8.0
2469.60	22.0	16.4	3.6	2.0	-56.3	<=8.0
2469.65	22.2	16.4	3.8	2.0	-56.1	<=8.0
2469.70	22.3	16.4	3.9	2.0	-56.0	<=8.0
2469.75	22.4	16.4	4.0	2.0	-55.9	<=8.0
2469.80	22.9	16.4	4.5	2.0	-55.4	<=8.0
2469.85	23.3	16.4	4.9	2.0	-55.0	<=8.0
2469.90	23.0	16.4	4.6	2.0	-55.3	<=8.0
2469.95	23.8	16.4	5.4	2.0	-54.5	<=8.0
2470.00	24.0	16.4	5.6	2.0	-54.3	<=8.0
2470.05	23.6	16.4	5.2	2.0	-54.7	<=8.0
2470.10	23.4	16.4	5.0	2.0	-54.9	<=8.0
2470.15	23.3	16.4	4.9	2.0	-55.0	<=8.0
2470.20	23.3	16.4	4.9	2.0	-55.0	<=8.0
2470.25	23.9	16.4	5.5	2.0	-54.4	<=8.0

11Mbps CHANNEL 11 Processing Gain						
Gp = (S/N)o + Mj + Lsys						
Freq.	Gp	(S/N)o	Mj=J/S	Lsys	Jammer	PER
(MHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(%)
2470.30	24.1	16.4	5.7	2.0	-54.2	<=8.0
2470.35	24.1	16.4	5.7	2.0	-54.2	<=8.0
2470.40	24.2	16.4	5.8	2.0	-54.1	<=8.0
2470.45	24.0	16.4	5.6	2.0	-54.3	<=8.0
2470.50	24.0	16.4	5.6	2.0	-54.3	<=8.0

13.2

Test Conditions

TX Card **HWB3163-04 Rev B**
 S/N **99360038**
 RX Card **ISL36342U-EVAL Rev C1**
 S/N **01060093**
 TX Firmware **P10002C0, MS11168A3**
 RX Firmware **PU010000, SU010000**
 Software Ver. **3.0.24**
 Mode **11 MB Pseudo IBSS**
 Pkt Size **1024**
 Pkt Dly **1**
 Pkt Burst **0**

Intersil Chips on Card: **HFA38421N**
HFA38631N
HFA37831N
HFA3683A1N
HFA3983IV

Processing Gain (dB)	XMIT level	-59.9	
	S/N+Ls	18.4	
	0dB J/S	0.0	
PG	offset	Signal Generator Delta	
25.8	-8500	7.4	
25.1	-8450	6.7	
24.5	-8400	6.1	
24.1	-8350	5.7	
24.3	-8300	5.9	
24.8	-8250	6.4	
25.2	-8200	6.8	
25.3	-8150	6.9	
25.3	-8100	6.9	
25.1	-8050	6.7	
24.9	-8000	6.5	
24.6	-7950	6.2	
24.5	-7900	6.1	
24.5	-7850	6.1	
24.4	-7800	6.0	
24.8	-7750	6.4	
25.1	-7700	6.7	
24.8	-7650	6.4	
24.5	-7600	6.1	
24.2	-7550	5.8	
24.1	-7500	5.7	
23.8	-7450	5.4	
23.5	-7400	5.1	
23.4	-7350	5.0	
23.2	-7300	4.8	
22.9	-7250	4.5	
22.8	-7200	4.4	
21.8	-7150	3.4	
21.9	-7100	3.5	
21.8	-7050	3.4	
21.9	-7000	3.5	
21.4	-6950	3.0	
21.0	-6900	2.6	
20.9	-6850	2.5	
20.5	-6800	2.1	
19.9	-6750	1.5	
19.7	-6700	1.3	
19.5	-6650	1.1	
19.4	-6600	1.0	
19.5	-6550	1.1	
19.4	-6500	1.0	
19.2	-6450	0.8	
19.3	-6400	0.9	
19.0	-6350	0.6	
18.8	-6300	0.4	
18.4	-6250	0.0	
18.3	-6200	-0.1	

ISL36342U-EVAL, s/n 93
CH11 Processing Gain
11 MB Data Rate

Processing Gain ISL36342U_EVAL rev 2.xls

Measured by:
S. Rothwell

17.8	-6150	-0.6	
17.6	-6100	-0.8	
17.7	-6050	-0.7	
17.6	-6000	-0.8	
17.4	-5950	-1.0	
17.5	-5900	-0.9	
17.4	-5850	-1.0	
17.3	-5800	-1.1	
17.1	-5750	-1.3	
17.3	-5700	-1.1	
16.8	-5650	-1.6	
16.7	-5600	-1.7	
16.8	-5550	-1.6	
16.6	-5500	-1.8	
16.4	-5450	-2.0	
16.3	-5400	-2.1	
16.1	-5350	-2.3	
16.0	-5300	-2.4	
16.1	-5250	-2.3	
15.9	-5200	-2.5	
15.9	-5150	-2.5	
15.9	-5100	-2.5	
15.9	-5050	-2.5	
16.0	-5000	-2.4	
15.8	-4950	-2.6	
15.8	-4900	-2.6	
15.5	-4850	-2.9	
15.4	-4800	-3.0	
15.5	-4750	-2.9	
15.1	-4700	-3.3	
14.8	-4650	-3.6	
14.7	-4600	-3.7	
14.8	-4550	-3.6	
14.8	-4500	-3.6	
15.0	-4450	-3.4	
14.8	-4400	-3.6	
15.0	-4350	-3.4	
14.9	-4300	-3.5	
14.9	-4250	-3.5	
14.8	-4200	-3.6	
14.7	-4150	-3.7	
14.7	-4100	-3.7	
14.8	-4050	-3.6	
14.8	-4000	-3.6	
14.7	-3950	-3.7	
14.6	-3900	-3.8	
14.4	-3850	-4.0	
14.3	-3800	-4.1	
14.4	-3750	-4.0	
14.5	-3700	-3.9	
14.4	-3650	-4.0	
14.3	-3600	-4.1	

ISL36342U-EVAL, s/n 93
CH11 Processing Gain
11 MB Data Rate

Processing Gain ISL36342U_EVAL rev 2.xls

Measured by:
S. Rothwell

14.2	-3550	-4.2	
14.3	-3500	-4.1	
14.2	-3450	-4.2	
14.0	-3400	-4.4	
13.9	-3350	-4.5	
13.7	-3300	-4.7	
13.6	-3250	-4.8	
13.8	-3200	-4.6	
13.5	-3150	-4.9	
13.0	-3100	-5.4	
13.6	-3050	-4.8	
13.7	-3000	-4.7	
13.6	-2950	-4.8	
13.6	-2900	-4.8	
13.7	-2850	-4.7	
13.5	-2800	-4.9	
13.3	-2750	-5.1	
13.4	-2700	-5.0	
13.2	-2650	-5.2	
13.0	-2600	-5.4	
12.9	-2550	-5.5	
13.2	-2500	-5.2	
13.0	-2450	-5.4	
13.1	-2400	-5.3	
13.1	-2350	-5.3	
13.1	-2300	-5.3	
13.1	-2250	-5.3	
13.2	-2200	-5.2	
12.9	-2150	-5.5	
12.8	-2100	-5.6	
12.9	-2050	-5.5	
13.0	-2000	-5.4	
12.9	-1950	-5.5	
12.9	-1900	-5.5	
12.9	-1850	-5.5	
13.1	-1800	-5.3	
13.4	-1750	-5.0	
13.3	-1700	-5.1	
13.2	-1650	-5.2	
13.1	-1600	-5.3	
12.9	-1550	-5.5	
13.3	-1500	-5.1	
13.1	-1450	-5.3	
13.0	-1400	-5.4	
13.0	-1350	-5.4	
13.0	-1300	-5.4	
13.2	-1250	-5.2	
13.1	-1200	-5.3	
13.1	-1150	-5.3	
13.3	-1100	-5.1	
13.4	-1050	-5.0	
13.5	-1000	-4.9	

ISL36342U-EVAL, s/n 93
CH11 Processing Gain
11 MB Data Rate

Processing Gain ISL36342U_EVAL rev 2.xls

Measured by:
S. Rothwell

13.4	-950	-5.0	
13.6	-900	-4.8	
13.7	-850	-4.7	
13.3	-800	-5.1	
13.5	-750	-4.9	
13.4	-700	-5.0	
13.0	-650	-5.4	
12.5	-600	-5.9	
13.0	-550	-5.4	
13.2	-500	-5.2	
13.1	-450	-5.3	
12.9	-400	-5.5	
13.4	-350	-5.0	
13.3	-300	-5.1	
13.6	-250	-4.8	
13.7	-200	-4.7	
13.5	-150	-4.9	
13.4	-100	-5.0	
13.4	-50	-5.0	
13.3	0	-5.1	
13.4	50	-5.0	
13.1	100	-5.3	
13.0	150	-5.4	
13.1	200	-5.3	
13.1	250	-5.3	
13.2	300	-5.2	
13.3	350	-5.1	
13.4	400	-5.0	
13.6	450	-4.8	
13.5	500	-4.9	
13.6	550	-4.8	
13.6	600	-4.8	
13.4	650	-5.0	
13.3	700	-5.1	
13.2	750	-5.2	
13.3	800	-5.1	
12.8	850	-5.6	
12.6	900	-5.8	
13.0	950	-5.4	
13.3	1000	-5.1	
13.4	1050	-5.0	
13.5	1100	-4.9	
13.2	1150	-5.2	
13.4	1200	-5.0	
13.3	1250	-5.1	
13.4	1300	-5.0	
12.9	1350	-5.5	
12.7	1400	-5.7	
12.9	1450	-5.5	
13.3	1500	-5.1	
13.4	1550	-5.0	
13.2	1600	-5.2	

ISL36342U-EVAL, s/n 93
CH11 Processing Gain
11 MB Data Rate

Processing Gain ISL36342U_EVAL rev 2.xls

Measured by:
S. Rothwell

13.4	1650	-5.0	
13.3	1700	-5.1	
13.0	1750	-5.4	
13.2	1800	-5.2	
13.1	1850	-5.3	
13.3	1900	-5.1	
13.3	1950	-5.1	
13.2	2000	-5.2	
13.3	2050	-5.1	
13.1	2100	-5.3	
13.0	2150	-5.4	
13.0	2200	-5.4	
13.0	2250	-5.4	
13.0	2300	-5.4	
13.2	2350	-5.2	
13.0	2400	-5.4	
13.2	2450	-5.2	
13.2	2500	-5.2	
13.1	2550	-5.3	
13.0	2600	-5.4	
12.8	2650	-5.6	
12.7	2700	-5.7	
12.6	2750	-5.8	
12.9	2800	-5.5	
12.8	2850	-5.6	
12.9	2900	-5.5	
12.8	2950	-5.6	
12.8	3000	-5.6	
12.7	3050	-5.7	
12.9	3100	-5.5	
13.0	3150	-5.4	
12.9	3200	-5.5	
13.1	3250	-5.3	
13.4	3300	-5.0	
13.0	3350	-5.4	
12.8	3400	-5.6	
12.7	3450	-5.7	
13.4	3500	-5.0	
13.4	3550	-5.0	
13.5	3600	-4.9	
13.3	3650	-5.1	
13.6	3700	-4.8	
13.8	3750	-4.6	
13.9	3800	-4.5	
14.0	3850	-4.4	
13.8	3900	-4.6	
13.9	3950	-4.5	
14.0	4000	-4.4	
13.9	4050	-4.5	
13.9	4100	-4.5	
13.9	4150	-4.5	
13.8	4200	-4.6	

ISL36342U-EVAL, s/n 93
CH11 Processing Gain
11 MB Data Rate

Processing Gain ISL36342U_EVAL rev 2.xls

Measured by:
S. Rothwell

13.6	4250	-4.8	
13.8	4300	-4.6	
14.2	4350	-4.2	
13.9	4400	-4.5	
14.2	4450	-4.2	
14.2	4500	-4.2	
14.3	4550	-4.1	
14.4	4600	-4.0	
14.6	4650	-3.8	
14.5	4700	-3.9	
14.6	4750	-3.8	
14.5	4800	-3.9	
14.5	4850	-3.9	
14.4	4900	-4.0	
14.5	4950	-3.9	
14.6	5000	-3.8	
14.5	5050	-3.9	
14.6	5100	-3.8	
14.7	5150	-3.7	
14.8	5200	-3.6	
15.1	5250	-3.3	
15.2	5300	-3.2	
15.3	5350	-3.1	
15.1	5400	-3.3	
15.0	5450	-3.4	
15.5	5500	-2.9	
15.5	5550	-2.9	
15.5	5600	-2.9	
15.8	5650	-2.6	
15.7	5700	-2.7	
15.8	5750	-2.6	
15.9	5800	-2.5	
16.0	5850	-2.4	
16.1	5900	-2.3	
16.4	5950	-2.0	
16.4	6000	-2.0	
16.4	6050	-2.0	
16.7	6100	-1.7	
16.5	6150	-1.9	
16.7	6200	-1.7	
17.0	6250	-1.4	
16.9	6300	-1.5	
16.9	6350	-1.5	
16.8	6400	-1.6	
17.4	6450	-1.0	
17.5	6500	-0.9	
17.7	6550	-0.7	
17.8	6600	-0.6	
18.0	6650	-0.4	
18.3	6700	-0.1	
18.6	6750	0.2	
18.7	6800	0.3	

ISL36342U-EVAL, s/n 93
CH11 Processing Gain
11 MB Data Rate

Processing Gain ISL36342U_EVAL rev 2.xls

Measured by:
S. Rothwell

18.6	6850	0.2	
18.7	6900	0.3	
19.1	6950	0.7	
19.4	7000	1.0	
19.6	7050	1.2	
19.7	7100	1.3	
20.0	7150	1.6	
20.1	7200	1.7	
20.4	7250	2.0	
20.8	7300	2.4	
20.6	7350	2.2	
20.7	7400	2.3	
21.0	7450	2.6	
20.9	7500	2.5	
21.6	7550	3.2	
22.0	7600	3.6	
22.2	7650	3.8	
22.3	7700	3.9	
22.4	7750	4.0	
22.9	7800	4.5	
23.3	7850	4.9	
23.0	7900	4.6	
23.8	7950	5.4	
24.0	8000	5.6	
23.6	8050	5.2	
23.4	8100	5.0	
23.3	8150	4.9	
23.3	8200	4.9	
23.9	8250	5.5	
24.1	8300	5.7	
24.1	8350	5.7	
24.2	8400	5.8	
24.0	8450	5.6	
24.0	8500	5.6	
13.2	Processing Gain (dB) @ 80th Percentile =		

Processing Gain
Channel 11 (fc=2462MHz) @ 11Mbps

