Testing for compliance with FCC rules 15-247e

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. "HFA3861A Direct Sequence Spread Spectrum Baseband Processor" ***Harris Corporation Semiconductor Sector Preliminary Data Sheet***, Melbourne FL, July 1999.

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]:

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

Where $BER_{REFERENCE}$ is the reference bit error ratio with its corresponding, theoretical output signal to noise ratio per symbol, $(S/N)_{output}$, (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.

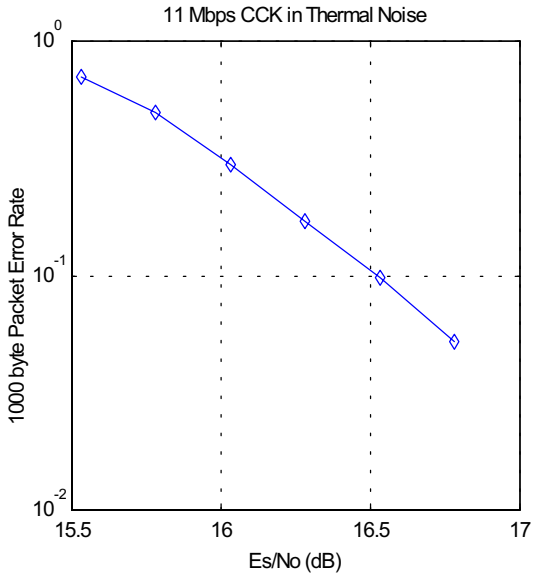
The HFA3861A direct sequence spread spectrum baseband processor uses CCK modulation which is a form of M-ary Orthogonal Keying. The BER performance curve is given by [5]:

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

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

This integral cannot be solved in closed form, and numerical integration must be used. There are error rate extensions for differential decoding and descrambling that are also to be accounted for. This is done in a MATHCAD environment and is displayed in graphical format below.

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:

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

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

The minimum jammer to signal ratio is as follows:

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

For the case of the HFA3861A, 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 spread spectrum processing gain with embedded coding gain is 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 Es/N0 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 Eb/N0 is then 7.4 dB or 9 dB less than the Es/N0. It is well known that the Eb/N0 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 $\left(\frac{J}{S}\right) \geq -8.4\,dB$ then the equipment passes the CW jamming test.

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

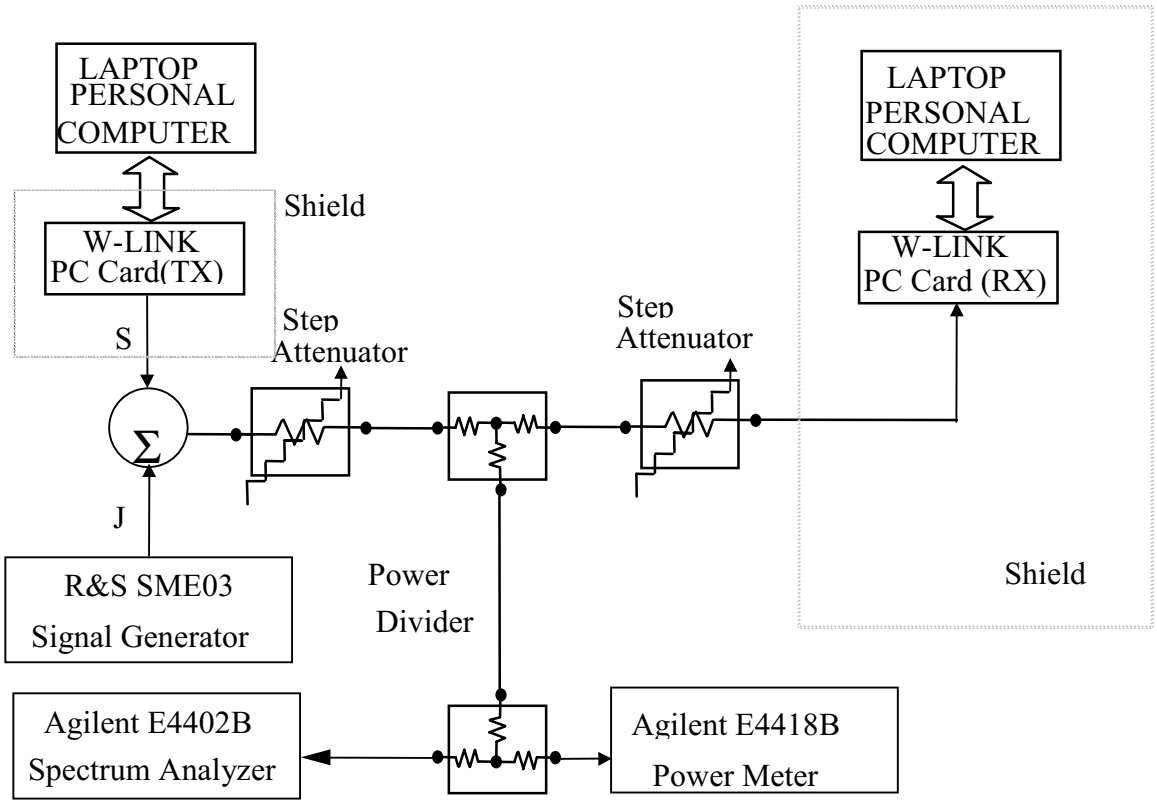
Test Instruments

Manufacturer & Description	Model Number
Agilent Spectrum Analyzer, 9KHz to 3GHz	E4402B
Agilent Power Meter	E4418B
Agilent Power Sensor, -70 to 20dBm	E4412A
Agilent Step Attenuator, 10dB steps, DC to 4GHz	8496A
Agilent Step Attenuator, 1dB steps, DC to 4GHz	8494A
Anaren Power Divider, 2 Way, 2 to 4GHz	40266
ROHDE & SCHWARZ Signal Generator, 5KHz to 3GHz	SME03
Compaq Laptop Computer, Pentium III 700, Windows ME	Presario 1700
Dell Laptop Computer, Pentium III 700, Windows 98	PP01L

Test Environment

25℃, 70%RH.

Test Block Diagram



Test Procedure

Setup 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:

- Signal Power at receiver approximately -60 dBm (above thermal sensitivity such that thermal noise does not cause bit errors).
- Signal Power at power meter (using high sensitivity probe) between -20 and -40 dBm for optimal linearity.
- Use spectrum analyzer to monitor test.

- 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 .

- 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.

- Disable CW Jammer, re-establish link. PER test should be operating essentially error-free.

- Adjust the CW Jammer level to that which causes 8% PER and verify that the S/J is less than 8.4 dB.

- 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 $\pm$8.5 MHz.

The number of points where the S/J fails to achieve 8.4 dB (is higher than 8.4 dB) is determined and if this is above 20% of the total, the test is failed otherwise it is passed.

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

11Mbps:
Channel 1: 2412MHz
Channel 7: 2442MHz
Channel 11: 2462MHz

2Mbps:
Channel 7: 2442MHz

Test Result

11Mbps Channel 1 (2412MHz) Processing Gain							
Gp=(S/N)o+Lsys+(Jr/Sr)							
Frequency (MHz)	(S/N)o (dB)	Sr (dBm)	Jr (dBm)	Jr/Sr (dB)	Lsys (dB)	FER (%)	Gp (dB)
2403.50	16.4	-62	-63.6	1.6	2	6.8	20.0
2403.55	16.4	-62	-63.1	1.1	2	5.8	19.5
2403.60	16.4	-62	-62.9	0.9	2	6.1	19.3
2403.65	16.4	-62	-62.5	0.5	2	6.3	18.9
2403.70	16.4	-62	-62.4	0.4	2	7.9	18.8
2403.75	16.4	-62	-62.4	0.4	2	6.8	18.8
2403.80	16.4	-62	-62.4	0.4	2	5.5	18.8
2403.85	16.4	-62	-62.4	0.4	2	4.7	18.8
2403.90	16.4	-62	-62.6	0.6	2	5.7	19.0
2403.95	16.4	-62	-62.7	0.7	2	5.1	19.1
2404.00	16.4	-62	-63.0	1.0	2	4.9	19.4
2404.05	16.4	-62	-63.4	1.4	2	7.3	19.8
2404.10	16.4	-62	-63.1	1.1	2	6.0	19.5
2404.15	16.4	-62	-63.1	1.1	2	7.5	19.5
2404.20	16.4	-62	-63.2	1.2	2	5.9	19.6
2404.25	16.4	-62	-62.9	0.9	2	6.5	19.3
2404.30	16.4	-62	-62.8	0.8	2	6.6	19.2
2404.35	16.4	-62	-62.9	0.9	2	5.5	19.3
2404.40	16.4	-62	-62.8	0.8	2	5.8	19.2
2404.45	16.4	-62	-62.7	0.7	2	5.4	19.1
2404.50	16.4	-62	-62.5	0.5	2	5.7	18.9
2404.55	16.4	-62	-62.2	0.2	2	7.0	18.6
2404.60	16.4	-62	-62.0	0.0	2	7.1	18.4
2404.65	16.4	-62	-61.7	-0.3	2	5.0	18.1
2404.70	16.4	-62	-61.7	-0.3	2	5.8	18.1
2404.75	16.4	-62	-61.5	-0.5	2	5.9	17.9
2404.80	16.4	-62	-61.6	-0.4	2	7.0	18.0
2404.85	16.4	-62	-61.6	-0.4	2	7.5	18.0
2404.90	16.4	-62	-61.5	-0.5	2	5.3	17.9
2404.95	16.4	-62	-61.8	-0.2	2	6.0	18.2
2405.00	16.4	-62	-62.0	0.0	2	6.2	18.4

2405.05	16.4	-62	-62.1	0.1	2	7.7	18.5
2405.10	16.4	-62	-62.2	0.2	2	5.3	18.6
2405.15	16.4	-62	-62.1	0.1	2	4.6	18.5
2405.20	16.4	-62	-62.0	0.0	2	4.7	18.4
2405.25	16.4	-62	-61.8	-0.2	2	7.6	18.2
2405.30	16.4	-62	-61.8	-0.2	2	7.3	18.2
2405.35	16.4	-62	-61.8	-0.2	2	7.2	18.2
2405.40	16.4	-62	-61.7	-0.3	2	4.8	18.1
2405.45	16.4	-62	-61.6	-0.4	2	6.5	18.0
2405.50	16.4	-62	-61.4	-0.6	2	7.6	17.8
2405.55	16.4	-62	-60.9	-1.1	2	7.6	17.3
2405.60	16.4	-62	-60.8	-1.2	2	6.9	17.2
2405.65	16.4	-62	-60.6	-1.4	2	7.8	17.0
2405.70	16.4	-62	-60.5	-1.5	2	5.4	16.9
2405.75	16.4	-62	-60.3	-1.7	2	6.8	16.7
2405.80	16.4	-62	-60.3	-1.7	2	7.8	16.7
2405.85	16.4	-62	-60.2	-1.8	2	7.9	16.6
2405.90	16.4	-62	-60.1	-1.9	2	5.5	16.5
2405.95	16.4	-62	-60.2	-1.8	2	6.3	16.6
2406.00	16.4	-62	-60.2	-1.8	2	5.7	16.6
2406.05	16.4	-62	-60.2	-1.8	2	6.4	16.6
2406.10	16.4	-62	-60.2	-1.8	2	5.0	16.6
2406.15	16.4	-62	-60.2	-1.8	2	5.6	16.6
2406.20	16.4	-62	-60.0	-2.0	2	7.0	16.4
2406.25	16.4	-62	-59.9	-2.1	2	8.0	16.3
2406.30	16.4	-62	-59.5	-2.5	2	7.6	15.9
2406.35	16.4	-62	-59.5	-2.5	2	6.2	15.9
2406.40	16.4	-62	-59.2	-2.8	2	5.6	15.6
2406.45	16.4	-62	-59.2	-2.8	2	6.0	15.6
2406.50	16.4	-62	-59.0	-3.0	2	5.0	15.4
2406.55	16.4	-62	-58.8	-3.2	2	6.8	15.2
2406.60	16.4	-62	-58.8	-3.2	2	6.6	15.2
2406.65	16.4	-62	-58.8	-3.2	2	6.0	15.2
2406.70	16.4	-62	-58.7	-3.3	2	5.7	15.1
2406.75	16.4	-62	-58.7	-3.3	2	8.0	15.1
2406.80	16.4	-62	-58.7	-3.3	2	7.0	15.1
2406.85	16.4	-62	-58.6	-3.4	2	5.2	15.0

2406.90	16.4	-62	-58.5	-3.5	2	6.1	14.9
2406.95	16.4	-62	-58.4	-3.6	2	5.1	14.8
2407.00	16.4	-62	-58.3	-3.7	2	5.7	14.7
2407.05	16.4	-62	-58.1	-3.9	2	6.1	14.5
2407.10	16.4	-62	-57.9	-4.1	2	5.0	14.3
2407.15	16.4	-62	-57.8	-4.2	2	7.8	14.2
2407.20	16.4	-62	-57.8	-4.2	2	5.7	14.2
2407.25	16.4	-62	-57.7	-4.3	2	5.7	14.1
2407.30	16.4	-62	-57.6	-4.4	2	4.6	14.0
2407.35	16.4	-62	-57.6	-4.4	2	5.2	14.0
2407.40	16.4	-62	-57.5	-4.5	2	4.6	13.9
2407.45	16.4	-62	-57.5	-4.5	2	6.5	13.9
2407.50	16.4	-62	-57.3	-4.7	2	5.4	13.7
2407.55	16.4	-62	-57.2	-4.8	2	6.7	13.6
2407.60	16.4	-62	-57.2	-4.8	2	6.1	13.6
2407.65	16.4	-62	-57.1	-4.9	2	6.1	13.5
2407.70	16.4	-62	-57.0	-5.0	2	7.9	13.4
2407.75	16.4	-62	-56.9	-5.1	2	7.7	13.3
2407.80	16.4	-62	-56.8	-5.2	2	7.9	13.2
2407.85	16.4	-62	-56.6	-5.4	2	7.6	13.0
2407.90	16.4	-62	-56.7	-5.3	2	5.6	13.1
2407.95	16.4	-62	-56.7	-5.3	2	7.3	13.1
2408.00	16.4	-62	-56.6	-5.4	2	5.7	13.0
2408.05	16.4	-62	-56.7	-5.3	2	7.9	13.1
2408.10	16.4	-62	-56.7	-5.3	2	5.8	13.1
2408.15	16.4	-62	-56.7	-5.3	2	5.8	13.1
2408.20	16.4	-62	-56.6	-5.4	2	6.8	13.0
2408.25	16.4	-62	-56.4	-5.6	2	5.2	12.8
2408.30	16.4	-62	-56.2	-5.8	2	6.5	12.6
2408.35	16.4	-62	-56.2	-5.8	2	7.6	12.6
2408.40	16.4	-62	-56.1	-5.9	2	4.6	12.5
2408.45	16.4	-62	-56.0	-6.0	2	7.3	12.4
2408.50	16.4	-62	-56.0	-6.0	2	8.0	12.4
2408.55	16.4	-62	-55.8	-6.2	2	7.9	12.2
2408.60	16.4	-62	-55.8	-6.2	2	6.0	12.2
2408.65	16.4	-62	-55.9	-6.1	2	7.1	12.3
2408.70	16.4	-62	-55.8	-6.2	2	4.8	12.2

2408.75	16.4	-62	-55.9	-6.1	2	6.7	12.3
2408.80	16.4	-62	-55.8	-6.2	2	5.5	12.2
2408.85	16.4	-62	-55.8	-6.2	2	7.6	12.2
2408.90	16.4	-62	-55.6	-6.4	2	4.9	12.0
2408.95	16.4	-62	-55.5	-6.5	2	6.5	11.9
2409.00	16.4	-62	-55.3	-6.7	2	7.8	11.7
2409.05	16.4	-62	-55.1	-6.9	2	7.4	11.5
2409.10	16.4	-62	-54.9	-7.1	2	8.0	11.3
2409.15	16.4	-62	-54.9	-7.1	2	6.9	11.3
2409.20	16.4	-62	-54.9	-7.1	2	7.3	11.3
2409.25	16.4	-62	-54.7	-7.3	2	6.3	11.1
2409.30	16.4	-62	-54.7	-7.3	2	6.2	11.1
2409.35	16.4	-62	-54.8	-7.2	2	5.7	11.2
2409.40	16.4	-62	-54.9	-7.1	2	8.0	11.3
2409.45	16.4	-62	-54.8	-7.2	2	6.5	11.2
2409.50	16.4	-62	-54.8	-7.2	2	5.8	11.2
2409.55	16.4	-62	-55.0	-7.0	2	6.8	11.4
2409.60	16.4	-62	-54.9	-7.1	2	4.6	11.3
2409.65	16.4	-62	-54.9	-7.1	2	5.6	11.3
2409.70	16.4	-62	-54.9	-7.1	2	7.3	11.3
2409.75	16.4	-62	-54.9	-7.1	2	7.9	11.3
2409.80	16.4	-62	-54.6	-7.4	2	6.8	11.0
2409.85	16.4	-62	-54.7	-7.3	2	8.0	11.1
2409.90	16.4	-62	-54.6	-7.4	2	5.1	11.0
2409.95	16.4	-62	-54.6	-7.4	2	7.0	11.0
2410.00	16.4	-62	-54.5	-7.5	2	4.8	10.9
2410.05	16.4	-62	-54.5	-7.5	2	4.5	10.9
2410.10	16.4	-62	-54.5	-7.5	2	7.1	10.9
2410.15	16.4	-62	-54.6	-7.4	2	7.0	11.0
2410.20	16.4	-62	-54.8	-7.2	2	5.4	11.2
2410.25	16.4	-62	-54.9	-7.1	2	6.9	11.3
2410.30	16.4	-62	-54.8	-7.2	2	6.3	11.2
2410.35	16.4	-62	-55.0	-7.0	2	6.3	11.4
2410.40	16.4	-62	-54.8	-7.2	2	5.4	11.2
2410.45	16.4	-62	-54.9	-7.1	2	5.6	11.3
2410.50	16.4	-62	-54.9	-7.1	2	4.8	11.3
2410.55	16.4	-62	-54.8	-7.2	2	4.8	11.2

2410.60	16.4	-62	-54.8	-7.2	2	5.0	11.2
2410.65	16.4	-62	-54.8	-7.2	2	5.2	11.2
2410.70	16.4	-62	-54.8	-7.2	2	6.7	11.2
2410.75	16.4	-62	-54.8	-7.2	2	7.9	11.2
2410.80	16.4	-62	-55.0	-7.0	2	5.0	11.4
2410.85	16.4	-62	-55.1	-6.9	2	7.4	11.5
2410.90	16.4	-62	-55.1	-6.9	2	6.2	11.5
2410.95	16.4	-62	-55.2	-6.8	2	5.7	11.6
2411.00	16.4	-62	-55.1	-6.9	2	4.5	11.5
2411.05	16.4	-62	-54.9	-7.1	2	5.9	11.3
2411.10	16.4	-62	-55.1	-6.9	2	6.8	11.5
2411.15	16.4	-62	-55.2	-6.8	2	7.9	11.6
2411.20	16.4	-62	-55.1	-6.9	2	6.8	11.5
2411.25	16.4	-62	-55.1	-6.9	2	7.8	11.5
2411.30	16.4	-62	-55.1	-6.9	2	7.2	11.5
2411.35	16.4	-62	-55.0	-7.0	2	5.6	11.4
2411.40	16.4	-62	-54.9	-7.1	2	6.5	11.3
2411.45	16.4	-62	-55.0	-7.0	2	6.9	11.4
2411.50	16.4	-62	-55.0	-7.0	2	7.2	11.4
2411.55	16.4	-62	-54.9	-7.1	2	5.5	11.3
2411.60	16.4	-62	-55.1	-6.9	2	5.9	11.5
2411.65	16.4	-62	-55.2	-6.8	2	6.9	11.6
2411.70	16.4	-62	-55.1	-6.9	2	7.8	11.5
2411.75	16.4	-62	-55.0	-7.0	2	6.0	11.4
2411.80	16.4	-62	-54.7	-7.3	2	4.7	11.1
2411.85	16.4	-62	-54.7	-7.3	2	7.4	11.1
2411.90	16.4	-62	-54.6	-7.4	2	6.2	11.0
2411.95	16.4	-62	-54.4	-7.6	2	7.8	10.8
2412.00	16.4	-62	-54.4	-7.6	2	4.9	10.8
2412.05	16.4	-62	-54.4	-7.6	2	6.8	10.8
2412.10	16.4	-62	-54.6	-7.4	2	6.6	11.0
2412.15	16.4	-62	-54.9	-7.1	2	5.8	11.3
2412.20	16.4	-62	-55.1	-6.9	2	7.6	11.5
2412.25	16.4	-62	-55.2	-6.8	2	7.6	11.6
2412.30	16.4	-62	-55.3	-6.7	2	6.1	11.7
2412.35	16.4	-62	-55.3	-6.7	2	7.8	11.7
2412.40	16.4	-62	-55.3	-6.7	2	7.8	11.7

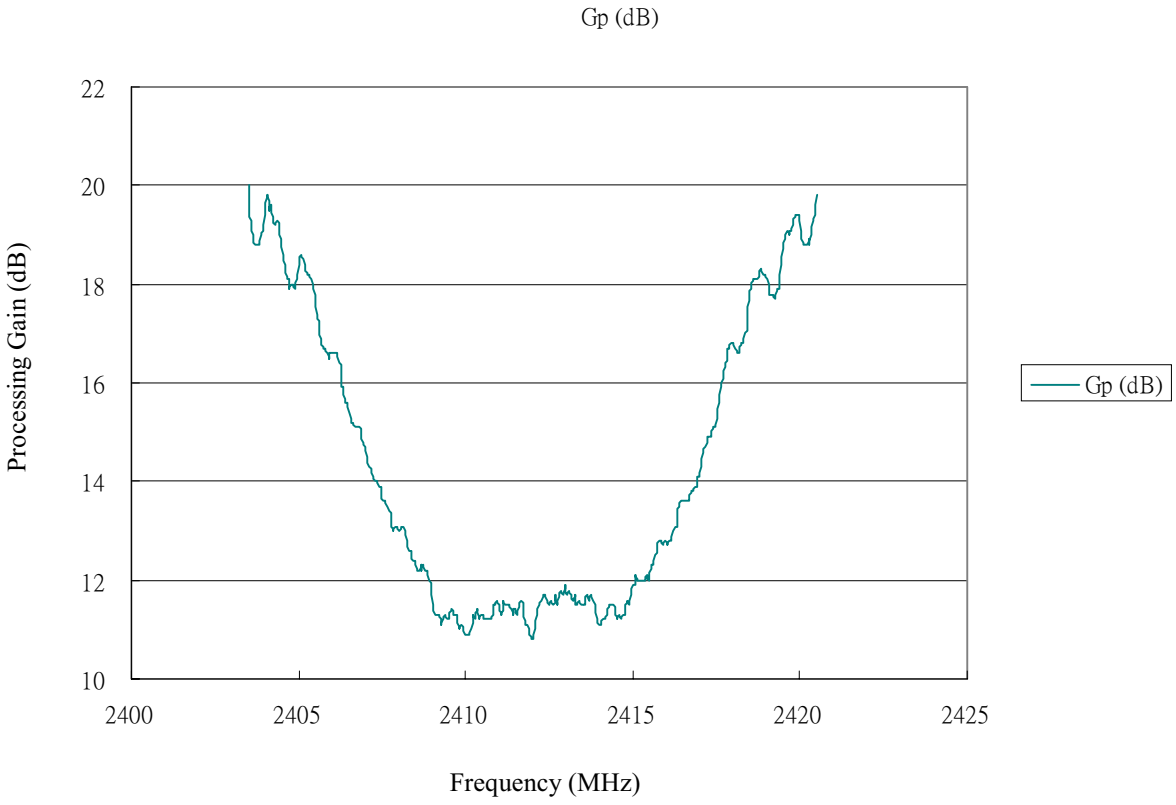
2412.45	16.4	-62	-55.2	-6.8	2	7.4	11.6
2412.50	16.4	-62	-55.1	-6.9	2	6.8	11.5
2412.55	16.4	-62	-55.2	-6.8	2	7.6	11.6
2412.60	16.4	-62	-55.1	-6.9	2	5.0	11.5
2412.65	16.4	-62	-55.2	-6.8	2	7.4	11.6
2412.70	16.4	-62	-55.3	-6.7	2	7.8	11.7
2412.75	16.4	-62	-55.1	-6.9	2	6.5	11.5
2412.80	16.4	-62	-55.3	-6.7	2	7.6	11.7
2412.85	16.4	-62	-55.4	-6.6	2	5.7	11.8
2412.90	16.4	-62	-55.3	-6.7	2	6.4	11.7
2412.95	16.4	-62	-55.5	-6.5	2	5.7	11.9
2413.00	16.4	-62	-55.4	-6.6	2	5.5	11.8
2413.05	16.4	-62	-55.3	-6.7	2	6.4	11.7
2413.10	16.4	-62	-55.4	-6.6	2	4.8	11.8
2413.15	16.4	-62	-55.3	-6.7	2	4.8	11.7
2413.20	16.4	-62	-55.2	-6.8	2	7.4	11.6
2413.25	16.4	-62	-55.3	-6.7	2	5.4	11.7
2413.30	16.4	-62	-55.1	-6.9	2	4.6	11.5
2413.35	16.4	-62	-55.1	-6.9	2	6.9	11.5
2413.40	16.4	-62	-55.2	-6.8	2	7.1	11.6
2413.45	16.4	-62	-55.1	-6.9	2	4.7	11.5
2413.50	16.4	-62	-55.1	-6.9	2	4.8	11.5
2413.55	16.4	-62	-55.1	-6.9	2	6.1	11.5
2413.60	16.4	-62	-55.2	-6.8	2	4.8	11.6
2413.65	16.4	-62	-55.3	-6.7	2	7.2	11.7
2413.70	16.4	-62	-55.2	-6.8	2	7.8	11.6
2413.75	16.4	-62	-55.3	-6.7	2	4.8	11.7
2413.80	16.4	-62	-55.2	-6.8	2	7.5	11.6
2413.85	16.4	-62	-55.0	-7.0	2	6.7	11.4
2413.90	16.4	-62	-55.0	-7.0	2	6.9	11.4
2413.95	16.4	-62	-54.8	-7.2	2	6.5	11.2
2414.00	16.4	-62	-54.7	-7.3	2	6.4	11.1
2414.05	16.4	-62	-54.7	-7.3	2	6.4	11.1
2414.10	16.4	-62	-54.8	-7.2	2	5.8	11.2
2414.15	16.4	-62	-54.8	-7.2	2	5.7	11.2
2414.20	16.4	-62	-54.8	-7.2	2	4.6	11.2
2414.25	16.4	-62	-54.9	-7.1	2	7.9	11.3

2414.30	16.4	-62	-55.1	-6.9	2	7.2	11.5
2414.35	16.4	-62	-55.1	-6.9	2	5.8	11.5
2414.40	16.4	-62	-55.1	-6.9	2	6.9	11.5
2414.45	16.4	-62	-55.0	-7.0	2	5.2	11.4
2414.50	16.4	-62	-55.0	-7.0	2	6.3	11.4
2414.55	16.4	-62	-54.8	-7.2	2	4.6	11.2
2414.60	16.4	-62	-54.9	-7.1	2	7.1	11.3
2414.65	16.4	-62	-54.8	-7.2	2	7.8	11.2
2414.70	16.4	-62	-54.9	-7.1	2	6.1	11.3
2414.75	16.4	-62	-54.9	-7.1	2	5.3	11.3
2414.80	16.4	-62	-55.0	-7.0	2	5.2	11.4
2414.85	16.4	-62	-55.2	-6.8	2	4.9	11.6
2414.90	16.4	-62	-55.1	-6.9	2	6.9	11.5
2414.95	16.4	-62	-55.3	-6.7	2	4.7	11.7
2415.00	16.4	-62	-55.5	-6.5	2	7.6	11.9
2415.05	16.4	-62	-55.5	-6.5	2	5.2	11.9
2415.10	16.4	-62	-55.7	-6.3	2	5.3	12.1
2415.15	16.4	-62	-55.6	-6.4	2	7.3	12.0
2415.20	16.4	-62	-55.6	-6.4	2	5.1	12.0
2415.25	16.4	-62	-55.6	-6.4	2	6.8	12.0
2415.30	16.4	-62	-55.6	-6.4	2	7.1	12.0
2415.35	16.4	-62	-55.6	-6.4	2	7.5	12.0
2415.40	16.4	-62	-55.6	-6.4	2	6.0	12.0
2415.45	16.4	-62	-55.7	-6.3	2	7.8	12.1
2415.50	16.4	-62	-55.6	-6.4	2	6.9	12.0
2415.55	16.4	-62	-55.9	-6.1	2	7.9	12.3
2415.60	16.4	-62	-55.9	-6.1	2	5.2	12.3
2415.65	16.4	-62	-56.1	-5.9	2	6.6	12.5
2415.70	16.4	-62	-56.2	-5.8	2	5.5	12.6
2415.75	16.4	-62	-56.3	-5.7	2	7.8	12.7
2415.80	16.4	-62	-56.4	-5.6	2	6.0	12.8
2415.85	16.4	-62	-56.4	-5.6	2	6.8	12.8
2415.90	16.4	-62	-56.3	-5.7	2	5.9	12.7
2415.95	16.4	-62	-56.4	-5.6	2	6.7	12.8
2416.00	16.4	-62	-56.3	-5.7	2	6.7	12.7
2416.05	16.4	-62	-56.3	-5.7	2	7.5	12.7
2416.10	16.4	-62	-56.4	-5.6	2	6.7	12.8

2416.15	16.4	-62	-56.4	-5.6	2	4.6	12.8
2416.20	16.4	-62	-56.6	-5.4	2	7.9	13.0
2416.25	16.4	-62	-56.7	-5.3	2	7.1	13.1
2416.30	16.4	-62	-56.7	-5.3	2	6.6	13.1
2416.35	16.4	-62	-57.0	-5.0	2	6.5	13.4
2416.40	16.4	-62	-57.1	-4.9	2	5.8	13.5
2416.45	16.4	-62	-57.2	-4.8	2	5.1	13.6
2416.50	16.4	-62	-57.2	-4.8	2	6.5	13.6
2416.55	16.4	-62	-57.2	-4.8	2	7.2	13.6
2416.60	16.4	-62	-57.2	-4.8	2	7.1	13.6
2416.65	16.4	-62	-57.2	-4.8	2	6.7	13.6
2416.70	16.4	-62	-57.2	-4.8	2	7.0	13.6
2416.75	16.4	-62	-57.4	-4.6	2	7.3	13.8
2416.80	16.4	-62	-57.4	-4.6	2	7.5	13.8
2416.85	16.4	-62	-57.5	-4.5	2	6.1	13.9
2416.90	16.4	-62	-57.5	-4.5	2	5.5	13.9
2416.95	16.4	-62	-57.7	-4.3	2	7.0	14.1
2417.00	16.4	-62	-57.7	-4.3	2	5.5	14.1
2417.05	16.4	-62	-57.9	-4.1	2	5.1	14.3
2417.10	16.4	-62	-58.2	-3.8	2	7.3	14.6
2417.15	16.4	-62	-58.3	-3.7	2	4.5	14.7
2417.20	16.4	-62	-58.4	-3.6	2	5.1	14.8
2417.25	16.4	-62	-58.5	-3.5	2	5.7	14.9
2417.30	16.4	-62	-58.5	-3.5	2	5.6	14.9
2417.35	16.4	-62	-58.5	-3.5	2	4.7	14.9
2417.40	16.4	-62	-58.7	-3.3	2	6.7	15.1
2417.45	16.4	-62	-58.7	-3.3	2	4.6	15.1
2417.50	16.4	-62	-59.0	-3.0	2	4.5	15.4
2417.55	16.4	-62	-59.0	-3.0	2	4.8	15.4
2417.60	16.4	-62	-59.2	-2.8	2	7.3	15.6
2417.65	16.4	-62	-59.5	-2.5	2	6.8	15.9
2417.70	16.4	-62	-59.7	-2.3	2	6.1	16.1
2417.75	16.4	-62	-60.0	-2.0	2	4.8	16.4
2417.80	16.4	-62	-60.1	-1.9	2	6.4	16.5
2417.85	16.4	-62	-60.3	-1.7	2	7.9	16.7
2417.90	16.4	-62	-60.3	-1.7	2	7.0	16.7
2417.95	16.4	-62	-60.4	-1.6	2	4.9	16.8

2418.00	16.4	-62	-60.4	-1.6	2	6.4	16.8
2418.05	16.4	-62	-60.3	-1.7	2	5.6	16.7
2418.10	16.4	-62	-60.2	-1.8	2	7.9	16.6
2418.15	16.4	-62	-60.2	-1.8	2	6.3	16.6
2418.20	16.4	-62	-60.2	-1.8	2	7.3	16.6
2418.25	16.4	-62	-60.4	-1.6	2	4.7	16.8
2418.30	16.4	-62	-60.4	-1.6	2	7.2	16.8
2418.35	16.4	-62	-60.6	-1.4	2	6.1	17.0
2418.40	16.4	-62	-60.7	-1.3	2	6.2	17.1
2418.45	16.4	-62	-60.9	-1.1	2	6.8	17.3
2418.50	16.4	-62	-61.4	-0.6	2	7.0	17.8
2418.55	16.4	-62	-61.5	-0.5	2	5.0	17.9
2418.60	16.4	-62	-61.7	-0.3	2	5.6	18.1
2418.65	16.4	-62	-61.7	-0.3	2	5.9	18.1
2418.70	16.4	-62	-61.7	-0.3	2	7.9	18.1
2418.75	16.4	-62	-61.8	-0.2	2	7.8	18.2
2418.80	16.4	-62	-61.8	-0.2	2	6.4	18.2
2418.85	16.4	-62	-61.9	-0.1	2	4.6	18.3
2418.90	16.4	-62	-61.8	-0.2	2	6.5	18.2
2418.95	16.4	-62	-61.8	-0.2	2	7.6	18.2
2419.00	16.4	-62	-61.7	-0.3	2	7.4	18.1
2419.05	16.4	-62	-61.6	-0.4	2	7.2	18.0
2419.10	16.4	-62	-61.4	-0.6	2	7.7	17.8
2419.15	16.4	-62	-61.4	-0.6	2	6.9	17.8
2419.20	16.4	-62	-61.4	-0.6	2	7.7	17.8
2419.25	16.4	-62	-61.3	-0.7	2	4.6	17.7
2419.30	16.4	-62	-61.5	-0.5	2	5.4	17.9
2419.35	16.4	-62	-61.5	-0.5	2	5.1	17.9
2419.40	16.4	-62	-61.6	-0.4	2	5.5	18.0
2419.45	16.4	-62	-62.0	0.0	2	4.9	18.4
2419.50	16.4	-62	-62.3	0.3	2	5.6	18.7
2419.55	16.4	-62	-62.5	0.5	2	6.1	18.9
2419.60	16.4	-62	-62.7	0.7	2	7.7	19.1
2419.65	16.4	-62	-62.6	0.6	2	5.9	19.0
2419.70	16.4	-62	-62.7	0.7	2	5.8	19.1
2419.75	16.4	-62	-62.7	0.7	2	5.6	19.1
2419.80	16.4	-62	-62.8	0.8	2	7.8	19.2

2419.85	16.4	-62	-63.0	1.0	2	6.6	19.4
2419.90	16.4	-62	-63.0	1.0	2	6.1	19.4
2419.95	16.4	-62	-63.0	1.0	2	5.2	19.4
2420.00	16.4	-62	-62.9	0.9	2	5.8	19.3
2420.05	16.4	-62	-62.7	0.7	2	6.3	19.1
2420.10	16.4	-62	-62.4	0.4	2	7.1	18.8
2420.15	16.4	-62	-62.4	0.4	2	7.5	18.8
2420.20	16.4	-62	-62.4	0.4	2	7.0	18.8
2420.25	16.4	-62	-62.5	0.5	2	7.5	18.9
2420.30	16.4	-62	-62.4	0.4	2	5.6	18.8
2420.35	16.4	-62	-62.6	0.6	2	5.7	19.0
2420.40	16.4	-62	-62.9	0.9	2	5.3	19.3
2420.45	16.4	-62	-63.0	1.0	2	5.6	19.4
2420.50	16.4	-62	-63.4	1.4	2	7.2	19.8
Processing Gain(dB)@20th Percentile=11.5							



11Mbps Channel 7 (2442MHz) Processing Gain

Gp=(S/N)o+Lsys+(Jr/Sr)

Frequency (MHz)	(S/N)o (dB)	Sr (dBm)	Jr (dBm)	Jr/Sr (dB)	Lsys (dB)	FER (%)	Gp (dB)
2433.50	16.4	-62	-63.5	1.5	2	6.2	19.9
2433.55	16.4	-62	-63.1	1.1	2	6.9	19.5
2433.60	16.4	-62	-62.9	0.9	2	6.8	19.3
2433.65	16.4	-62	-62.6	0.6	2	5.4	19.0
2433.70	16.4	-62	-62.5	0.5	2	7.4	18.9
2433.75	16.4	-62	-62.3	0.3	2	5.7	18.7
2433.80	16.4	-62	-62.4	0.4	2	6.7	18.8
2433.85	16.4	-62	-62.4	0.4	2	6.3	18.8
2433.90	16.4	-62	-62.6	0.6	2	4.8	19.0
2433.95	16.4	-62	-62.6	0.6	2	5.1	19.0
2434.00	16.4	-62	-63.0	1.0	2	5.5	19.4
2434.05	16.4	-62	-63.4	1.4	2	6.6	19.8
2434.10	16.4	-62	-63.2	1.2	2	5.7	19.6
2434.15	16.4	-62	-63.1	1.1	2	7.4	19.5
2434.20	16.4	-62	-63.2	1.2	2	7.3	19.6
2434.25	16.4	-62	-63.0	1.0	2	8.0	19.4
2434.30	16.4	-62	-62.8	0.8	2	6.9	19.2
2434.35	16.4	-62	-62.8	0.8	2	7.0	19.2
2434.40	16.4	-62	-62.7	0.7	2	6.4	19.1
2434.45	16.4	-62	-62.7	0.7	2	5.1	19.1
2434.50	16.4	-62	-62.5	0.5	2	5.0	18.9
2434.55	16.4	-62	-62.1	0.1	2	5.4	18.5
2434.60	16.4	-62	-62.1	0.1	2	6.9	18.5
2434.65	16.4	-62	-61.7	-0.3	2	4.8	18.1
2434.70	16.4	-62	-61.7	-0.3	2	4.8	18.1
2434.75	16.4	-62	-61.5	-0.5	2	7.3	17.9
2434.80	16.4	-62	-61.6	-0.4	2	7.1	18.0
2434.85	16.4	-62	-61.5	-0.5	2	7.2	17.9
2434.90	16.4	-62	-61.6	-0.4	2	5.6	18.0
2434.95	16.4	-62	-61.7	-0.3	2	5.6	18.1
2435.00	16.4	-62	-62.0	0.0	2	6.9	18.4
2435.05	16.4	-62	-62.1	0.1	2	5.6	18.5

2435.10	16.4	-62	-62.1	0.1	2	7.6	18.5
2435.15	16.4	-62	-62.1	0.1	2	6.4	18.5
2435.20	16.4	-62	-62.0	0.0	2	6.0	18.4
2435.25	16.4	-62	-61.8	-0.2	2	4.7	18.2
2435.30	16.4	-62	-61.9	-0.1	2	4.9	18.3
2435.35	16.4	-62	-61.8	-0.2	2	7.9	18.2
2435.40	16.4	-62	-61.8	-0.2	2	5.5	18.2
2435.45	16.4	-62	-61.6	-0.4	2	5.7	18.0
2435.50	16.4	-62	-61.4	-0.6	2	7.6	17.8
2435.55	16.4	-62	-60.9	-1.1	2	5.6	17.3
2435.60	16.4	-62	-60.7	-1.3	2	6.6	17.1
2435.65	16.4	-62	-60.6	-1.4	2	6.1	17.0
2435.70	16.4	-62	-60.5	-1.5	2	5.0	16.9
2435.75	16.4	-62	-60.3	-1.7	2	7.6	16.7
2435.80	16.4	-62	-60.3	-1.7	2	7.5	16.7
2435.85	16.4	-62	-60.2	-1.8	2	6.4	16.6
2435.90	16.4	-62	-60.2	-1.8	2	6.3	16.6
2435.95	16.4	-62	-60.2	-1.8	2	7.3	16.6
2436.00	16.4	-62	-60.3	-1.7	2	4.7	16.7
2436.05	16.4	-62	-60.3	-1.7	2	5.7	16.7
2436.10	16.4	-62	-60.3	-1.7	2	5.4	16.7
2436.15	16.4	-62	-60.1	-1.9	2	6.8	16.5
2436.20	16.4	-62	-59.9	-2.1	2	5.8	16.3
2436.25	16.4	-62	-59.8	-2.2	2	7.9	16.2
2436.30	16.4	-62	-59.6	-2.4	2	5.9	16.0
2436.35	16.4	-62	-59.4	-2.6	2	6.0	15.8
2436.40	16.4	-62	-59.2	-2.8	2	5.2	15.6
2436.45	16.4	-62	-59.1	-2.9	2	7.8	15.5
2436.50	16.4	-62	-59.0	-3.0	2	7.8	15.4
2436.55	16.4	-62	-58.9	-3.1	2	7.8	15.3
2436.60	16.4	-62	-58.9	-3.1	2	5.0	15.3
2436.65	16.4	-62	-58.8	-3.2	2	7.7	15.2
2436.70	16.4	-62	-58.8	-3.2	2	7.5	15.2
2436.75	16.4	-62	-58.7	-3.3	2	7.9	15.1
2436.80	16.4	-62	-58.6	-3.4	2	5.2	15.0
2436.85	16.4	-62	-58.6	-3.4	2	6.2	15.0
2436.90	16.4	-62	-58.5	-3.5	2	4.7	14.9

2436.95	16.4	-62	-58.4	-3.6	2	7.4	14.8
2437.00	16.4	-62	-58.2	-3.8	2	7.2	14.6
2437.05	16.4	-62	-58.0	-4.0	2	5.1	14.4
2437.10	16.4	-62	-58.0	-4.0	2	7.1	14.4
2437.15	16.4	-62	-57.9	-4.1	2	6.6	14.3
2437.20	16.4	-62	-57.8	-4.2	2	7.4	14.2
2437.25	16.4	-62	-57.7	-4.3	2	6.6	14.1
2437.30	16.4	-62	-57.6	-4.4	2	4.5	14.0
2437.35	16.4	-62	-57.6	-4.4	2	4.7	14.0
2437.40	16.4	-62	-57.5	-4.5	2	5.8	13.9
2437.45	16.4	-62	-57.5	-4.5	2	7.1	13.9
2437.50	16.4	-62	-57.3	-4.7	2	5.0	13.7
2437.55	16.4	-62	-57.3	-4.7	2	7.3	13.7
2437.60	16.4	-62	-57.1	-4.9	2	4.7	13.5
2437.65	16.4	-62	-57.0	-5.0	2	6.2	13.4
2437.70	16.4	-62	-56.9	-5.1	2	5.3	13.3
2437.75	16.4	-62	-56.8	-5.2	2	7.2	13.2
2437.80	16.4	-62	-56.8	-5.2	2	6.3	13.2
2437.85	16.4	-62	-56.7	-5.3	2	6.2	13.1
2437.90	16.4	-62	-56.7	-5.3	2	5.3	13.1
2437.95	16.4	-62	-56.7	-5.3	2	4.7	13.1
2438.00	16.4	-62	-56.6	-5.4	2	6.0	13.0
2438.05	16.4	-62	-56.6	-5.4	2	4.6	13.0
2438.10	16.4	-62	-56.6	-5.4	2	5.5	13.0
2438.15	16.4	-62	-56.7	-5.3	2	7.9	13.1
2438.20	16.4	-62	-56.7	-5.3	2	5.0	13.1
2438.25	16.4	-62	-56.5	-5.5	2	7.8	12.9
2438.30	16.4	-62	-56.2	-5.8	2	7.1	12.6
2438.35	16.4	-62	-56.2	-5.8	2	5.8	12.6
2438.40	16.4	-62	-56.1	-5.9	2	6.1	12.5
2438.45	16.4	-62	-55.9	-6.1	2	4.9	12.3
2438.50	16.4	-62	-56.0	-6.0	2	4.7	12.4
2438.55	16.4	-62	-55.9	-6.1	2	5.1	12.3
2438.60	16.4	-62	-55.8	-6.2	2	6.7	12.2
2438.65	16.4	-62	-55.9	-6.1	2	7.9	12.3
2438.70	16.4	-62	-55.8	-6.2	2	5.3	12.2
2438.75	16.4	-62	-55.8	-6.2	2	5.3	12.2

2438.80	16.4	-62	-55.7	-6.3	2	6.8	12.1
2438.85	16.4	-62	-55.7	-6.3	2	7.9	12.1
2438.90	16.4	-62	-55.5	-6.5	2	4.6	11.9
2438.95	16.4	-62	-55.5	-6.5	2	5.7	11.9
2439.00	16.4	-62	-55.3	-6.7	2	4.9	11.7
2439.05	16.4	-62	-55.1	-6.9	2	5.4	11.5
2439.10	16.4	-62	-55.0	-7.0	2	5.9	11.4
2439.15	16.4	-62	-54.9	-7.1	2	5.2	11.3
2439.20	16.4	-62	-54.8	-7.2	2	5.5	11.2
2439.25	16.4	-62	-54.7	-7.3	2	7.4	11.1
2439.30	16.4	-62	-54.8	-7.2	2	4.5	11.2
2439.35	16.4	-62	-54.8	-7.2	2	7.0	11.2
2439.40	16.4	-62	-54.8	-7.2	2	6.8	11.2
2439.45	16.4	-62	-54.9	-7.1	2	5.0	11.3
2439.50	16.4	-62	-54.9	-7.1	2	5.5	11.3
2439.55	16.4	-62	-54.9	-7.1	2	6.5	11.3
2439.60	16.4	-62	-54.9	-7.1	2	7.2	11.3
2439.65	16.4	-62	-55.0	-7.0	2	5.8	11.4
2439.70	16.4	-62	-54.9	-7.1	2	8.0	11.3
2439.75	16.4	-62	-54.9	-7.1	2	6.2	11.3
2439.80	16.4	-62	-54.6	-7.4	2	7.2	11.0
2439.85	16.4	-62	-54.7	-7.3	2	7.3	11.1
2439.90	16.4	-62	-54.6	-7.4	2	5.2	11.0
2439.95	16.4	-62	-54.6	-7.4	2	6.5	11.0
2440.00	16.4	-62	-54.5	-7.5	2	7.9	10.9
2440.05	16.4	-62	-54.6	-7.4	2	6.9	11.0
2440.10	16.4	-62	-54.6	-7.4	2	6.5	11.0
2440.15	16.4	-62	-54.6	-7.4	2	8.0	11.0
2440.20	16.4	-62	-54.7	-7.3	2	7.6	11.1
2440.25	16.4	-62	-54.8	-7.2	2	5.7	11.2
2440.30	16.4	-62	-54.9	-7.1	2	6.5	11.3
2440.35	16.4	-62	-54.9	-7.1	2	7.5	11.3
2440.40	16.4	-62	-54.8	-7.2	2	7.3	11.2
2440.45	16.4	-62	-54.8	-7.2	2	7.1	11.2
2440.50	16.4	-62	-54.9	-7.1	2	5.3	11.3
2440.55	16.4	-62	-54.8	-7.2	2	7.2	11.2
2440.60	16.4	-62	-54.7	-7.3	2	6.9	11.1

2440.65	16.4	-62	-54.8	-7.2	2	6.7	11.2
2440.70	16.4	-62	-54.9	-7.1	2	7.6	11.3
2440.75	16.4	-62	-54.8	-7.2	2	4.8	11.2
2440.80	16.4	-62	-55.0	-7.0	2	4.9	11.4
2440.85	16.4	-62	-55.0	-7.0	2	6.9	11.4
2440.90	16.4	-62	-55.1	-6.9	2	7.8	11.5
2440.95	16.4	-62	-55.2	-6.8	2	5.6	11.6
2441.00	16.4	-62	-55.1	-6.9	2	5.2	11.5
2441.05	16.4	-62	-54.9	-7.1	2	5.8	11.3
2441.10	16.4	-62	-55.1	-6.9	2	6.4	11.5
2441.15	16.4	-62	-55.1	-6.9	2	5.3	11.5
2441.20	16.4	-62	-55.1	-6.9	2	5.2	11.5
2441.25	16.4	-62	-55.1	-6.9	2	6.5	11.5
2441.30	16.4	-62	-55.1	-6.9	2	5.9	11.5
2441.35	16.4	-62	-54.9	-7.1	2	6.3	11.3
2441.40	16.4	-62	-55.0	-7.0	2	5.9	11.4
2441.45	16.4	-62	-55.0	-7.0	2	4.9	11.4
2441.50	16.4	-62	-55.0	-7.0	2	6.9	11.4
2441.55	16.4	-62	-54.9	-7.1	2	5.5	11.3
2441.60	16.4	-62	-55.2	-6.8	2	5.1	11.6
2441.65	16.4	-62	-55.2	-6.8	2	6.6	11.6
2441.70	16.4	-62	-55.0	-7.0	2	6.7	11.4
2441.75	16.4	-62	-55.0	-7.0	2	6.4	11.4
2441.80	16.4	-62	-54.8	-7.2	2	7.2	11.2
2441.85	16.4	-62	-54.6	-7.4	2	7.0	11.0
2441.90	16.4	-62	-54.6	-7.4	2	6.7	11.0
2441.95	16.4	-62	-54.3	-7.7	2	6.1	10.7
2442.00	16.4	-62	-54.4	-7.6	2	7.3	10.8
2442.05	16.4	-62	-54.5	-7.5	2	7.5	10.9
2442.10	16.4	-62	-54.7	-7.3	2	5.5	11.1
2442.15	16.4	-62	-55.0	-7.0	2	5.2	11.4
2442.20	16.4	-62	-55.1	-6.9	2	6.2	11.5
2442.25	16.4	-62	-55.1	-6.9	2	7.3	11.5
2442.30	16.4	-62	-55.2	-6.8	2	5.5	11.6
2442.35	16.4	-62	-55.2	-6.8	2	4.6	11.6
2442.40	16.4	-62	-55.3	-6.7	2	4.8	11.7
2442.45	16.4	-62	-55.2	-6.8	2	5.2	11.6

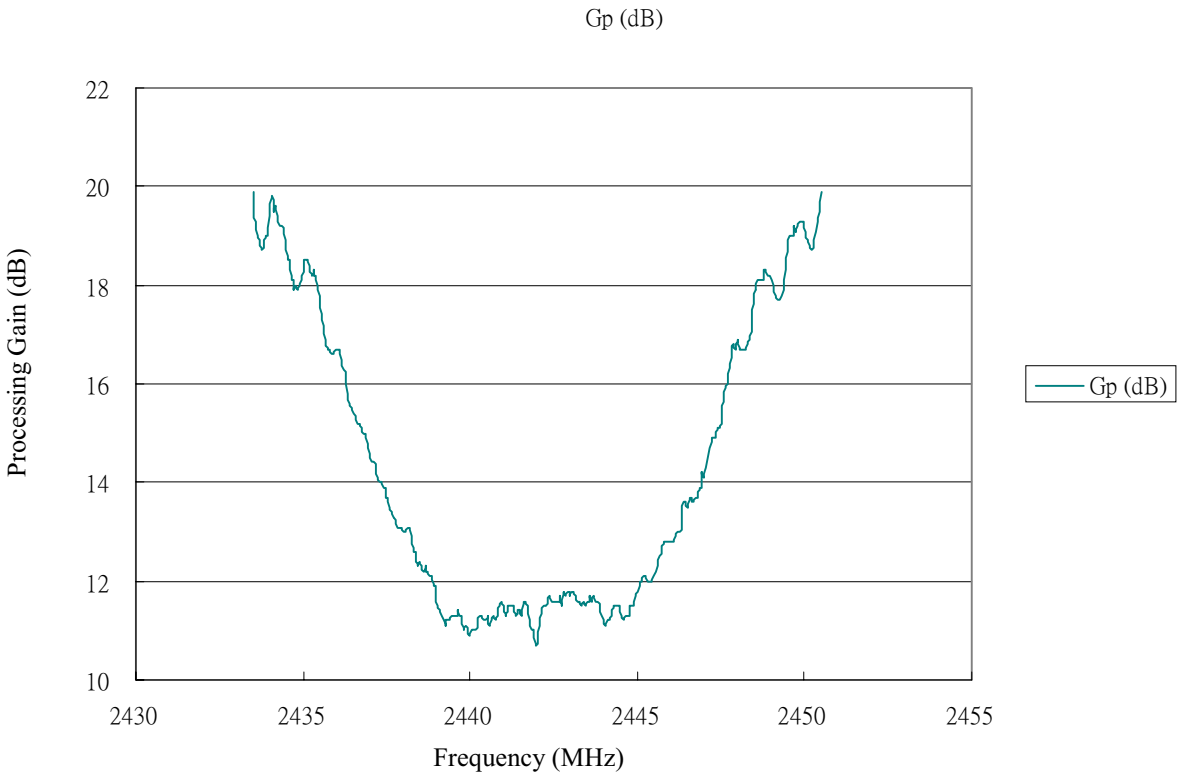
2442.50	16.4	-62	-55.2	-6.8	2	6.4	11.6
2442.55	16.4	-62	-55.2	-6.8	2	7.1	11.6
2442.60	16.4	-62	-55.2	-6.8	2	7.8	11.6
2442.65	16.4	-62	-55.2	-6.8	2	7.9	11.6
2442.70	16.4	-62	-55.3	-6.7	2	7.2	11.7
2442.75	16.4	-62	-55.1	-6.9	2	7.7	11.5
2442.80	16.4	-62	-55.4	-6.6	2	6.5	11.8
2442.85	16.4	-62	-55.3	-6.7	2	6.7	11.7
2442.90	16.4	-62	-55.4	-6.6	2	6.2	11.8
2442.95	16.4	-62	-55.4	-6.6	2	5.2	11.8
2443.00	16.4	-62	-55.3	-6.7	2	6.0	11.7
2443.05	16.4	-62	-55.4	-6.6	2	4.8	11.8
2443.10	16.4	-62	-55.4	-6.6	2	7.0	11.8
2443.15	16.4	-62	-55.3	-6.7	2	5.8	11.7
2443.20	16.4	-62	-55.2	-6.8	2	5.3	11.6
2443.25	16.4	-62	-55.2	-6.8	2	6.8	11.6
2443.30	16.4	-62	-55.2	-6.8	2	7.9	11.6
2443.35	16.4	-62	-55.1	-6.9	2	5.1	11.5
2443.40	16.4	-62	-55.2	-6.8	2	6.1	11.6
2443.45	16.4	-62	-55.1	-6.9	2	7.6	11.5
2443.50	16.4	-62	-55.2	-6.8	2	7.7	11.6
2443.55	16.4	-62	-55.2	-6.8	2	5.3	11.6
2443.60	16.4	-62	-55.3	-6.7	2	7.5	11.7
2443.65	16.4	-62	-55.2	-6.8	2	6.6	11.6
2443.70	16.4	-62	-55.3	-6.7	2	5.1	11.7
2443.75	16.4	-62	-55.2	-6.8	2	5.5	11.6
2443.80	16.4	-62	-55.2	-6.8	2	4.8	11.6
2443.85	16.4	-62	-55.1	-6.9	2	5.8	11.5
2443.90	16.4	-62	-55.0	-7.0	2	5.4	11.4
2443.95	16.4	-62	-54.9	-7.1	2	7.4	11.3
2444.00	16.4	-62	-54.8	-7.2	2	6.0	11.2
2444.05	16.4	-62	-54.7	-7.3	2	6.3	11.1
2444.10	16.4	-62	-54.8	-7.2	2	4.8	11.2
2444.15	16.4	-62	-54.8	-7.2	2	7.0	11.2
2444.20	16.4	-62	-54.8	-7.2	2	7.2	11.2
2444.25	16.4	-62	-54.9	-7.1	2	6.2	11.3
2444.30	16.4	-62	-55.1	-6.9	2	6.4	11.5

2444.35	16.4	-62	-55.1	-6.9	2	5.0	11.5
2444.40	16.4	-62	-55.1	-6.9	2	7.0	11.5
2444.45	16.4	-62	-55.1	-6.9	2	8.0	11.5
2444.50	16.4	-62	-55.0	-7.0	2	5.9	11.4
2444.55	16.4	-62	-54.9	-7.1	2	7.9	11.3
2444.60	16.4	-62	-54.8	-7.2	2	5.6	11.2
2444.65	16.4	-62	-54.9	-7.1	2	5.1	11.3
2444.70	16.4	-62	-54.9	-7.1	2	7.6	11.3
2444.75	16.4	-62	-54.9	-7.1	2	6.6	11.3
2444.80	16.4	-62	-55.1	-6.9	2	7.5	11.5
2444.85	16.4	-62	-55.1	-6.9	2	7.9	11.5
2444.90	16.4	-62	-55.1	-6.9	2	6.3	11.5
2444.95	16.4	-62	-55.3	-6.7	2	7.1	11.7
2445.00	16.4	-62	-55.4	-6.6	2	6.5	11.8
2445.05	16.4	-62	-55.6	-6.4	2	7.8	12.0
2445.10	16.4	-62	-55.6	-6.4	2	4.6	12.0
2445.15	16.4	-62	-55.6	-6.4	2	5.0	12.0
2445.20	16.4	-62	-55.7	-6.3	2	4.5	12.1
2445.25	16.4	-62	-55.7	-6.3	2	5.4	12.1
2445.30	16.4	-62	-55.6	-6.4	2	7.3	12.0
2445.35	16.4	-62	-55.6	-6.4	2	7.3	12.0
2445.40	16.4	-62	-55.6	-6.4	2	7.7	12.0
2445.45	16.4	-62	-55.6	-6.4	2	5.2	12.0
2445.50	16.4	-62	-55.7	-6.3	2	7.6	12.1
2445.55	16.4	-62	-55.8	-6.2	2	6.7	12.2
2445.60	16.4	-62	-55.9	-6.1	2	7.2	12.3
2445.65	16.4	-62	-56.1	-5.9	2	7.8	12.5
2445.70	16.4	-62	-56.2	-5.8	2	7.0	12.6
2445.75	16.4	-62	-56.2	-5.8	2	5.0	12.6
2445.80	16.4	-62	-56.4	-5.6	2	5.1	12.8
2445.85	16.4	-62	-56.4	-5.6	2	7.7	12.8
2445.90	16.4	-62	-56.4	-5.6	2	5.3	12.8
2445.95	16.4	-62	-56.4	-5.6	2	7.9	12.8
2446.00	16.4	-62	-56.4	-5.6	2	5.2	12.8
2446.05	16.4	-62	-56.4	-5.6	2	7.2	12.8
2446.10	16.4	-62	-56.4	-5.6	2	7.8	12.8
2446.15	16.4	-62	-56.5	-5.5	2	6.3	12.9

2446.20	16.4	-62	-56.6	-5.4	2	6.6	13.0
2446.25	16.4	-62	-56.6	-5.4	2	6.1	13.0
2446.30	16.4	-62	-56.7	-5.3	2	4.8	13.1
2446.35	16.4	-62	-57.0	-5.0	2	4.8	13.4
2446.40	16.4	-62	-57.2	-4.8	2	6.1	13.6
2446.45	16.4	-62	-57.2	-4.8	2	7.2	13.6
2446.50	16.4	-62	-57.1	-4.9	2	5.5	13.5
2446.55	16.4	-62	-57.3	-4.7	2	4.8	13.7
2446.60	16.4	-62	-57.3	-4.7	2	4.8	13.7
2446.65	16.4	-62	-57.2	-4.8	2	5.6	13.6
2446.70	16.4	-62	-57.2	-4.8	2	7.9	13.6
2446.75	16.4	-62	-57.3	-4.7	2	4.8	13.7
2446.80	16.4	-62	-57.3	-4.7	2	5.4	13.7
2446.85	16.4	-62	-57.5	-4.5	2	7.2	13.9
2446.90	16.4	-62	-57.5	-4.5	2	7.6	13.9
2446.95	16.4	-62	-57.8	-4.2	2	7.2	14.2
2447.00	16.4	-62	-57.7	-4.3	2	5.8	14.1
2447.05	16.4	-62	-57.9	-4.1	2	6.4	14.3
2447.10	16.4	-62	-58.1	-3.9	2	5.4	14.5
2447.15	16.4	-62	-58.3	-3.7	2	4.5	14.7
2447.20	16.4	-62	-58.5	-3.5	2	6.3	14.9
2447.25	16.4	-62	-58.5	-3.5	2	5.7	14.9
2447.30	16.4	-62	-58.5	-3.5	2	6.6	14.9
2447.35	16.4	-62	-58.5	-3.5	2	5.3	14.9
2447.40	16.4	-62	-58.7	-3.3	2	4.6	15.1
2447.45	16.4	-62	-58.7	-3.3	2	6.8	15.1
2447.50	16.4	-62	-58.9	-3.1	2	6.4	15.3
2447.55	16.4	-62	-59.0	-3.0	2	4.8	15.4
2447.60	16.4	-62	-59.3	-2.7	2	5.3	15.7
2447.65	16.4	-62	-59.5	-2.5	2	6.4	15.9
2447.70	16.4	-62	-59.6	-2.4	2	5.9	16.0
2447.75	16.4	-62	-60.0	-2.0	2	7.3	16.4
2447.80	16.4	-62	-60.2	-1.8	2	6.1	16.6
2447.85	16.4	-62	-60.3	-1.7	2	7.5	16.7
2447.90	16.4	-62	-60.4	-1.6	2	5.1	16.8
2447.95	16.4	-62	-60.3	-1.7	2	7.0	16.7
2448.00	16.4	-62	-60.5	-1.5	2	5.9	16.9

2448.05	16.4	-62	-60.3	-1.7	2	6.7	16.7
2448.10	16.4	-62	-60.3	-1.7	2	4.6	16.7
2448.15	16.4	-62	-60.3	-1.7	2	5.4	16.7
2448.20	16.4	-62	-60.3	-1.7	2	6.0	16.7
2448.25	16.4	-62	-60.3	-1.7	2	4.8	16.7
2448.30	16.4	-62	-60.4	-1.6	2	5.9	16.8
2448.35	16.4	-62	-60.5	-1.5	2	6.1	16.9
2448.40	16.4	-62	-60.8	-1.2	2	7.4	17.2
2448.45	16.4	-62	-60.9	-1.1	2	7.0	17.3
2448.50	16.4	-62	-61.3	-0.7	2	4.6	17.7
2448.55	16.4	-62	-61.5	-0.5	2	5.8	17.9
2448.60	16.4	-62	-61.7	-0.3	2	4.9	18.1
2448.65	16.4	-62	-61.7	-0.3	2	7.8	18.1
2448.70	16.4	-62	-61.7	-0.3	2	7.1	18.1
2448.75	16.4	-62	-61.7	-0.3	2	5.3	18.1
2448.80	16.4	-62	-61.9	-0.1	2	7.9	18.3
2448.85	16.4	-62	-61.9	-0.1	2	5.7	18.3
2448.90	16.4	-62	-61.8	-0.2	2	7.8	18.2
2448.95	16.4	-62	-61.8	-0.2	2	7.4	18.2
2449.00	16.4	-62	-61.7	-0.3	2	7.7	18.1
2449.05	16.4	-62	-61.5	-0.5	2	7.1	17.9
2449.10	16.4	-62	-61.5	-0.5	2	4.7	17.9
2449.15	16.4	-62	-61.4	-0.6	2	7.7	17.8
2449.20	16.4	-62	-61.3	-0.7	2	5.8	17.7
2449.25	16.4	-62	-61.3	-0.7	2	6.3	17.7
2449.30	16.4	-62	-61.4	-0.6	2	5.3	17.8
2449.35	16.4	-62	-61.6	-0.4	2	5.8	18.0
2449.40	16.4	-62	-61.6	-0.4	2	5.5	18.0
2449.45	16.4	-62	-61.9	-0.1	2	6.9	18.3
2449.50	16.4	-62	-62.4	0.4	2	7.2	18.8
2449.55	16.4	-62	-62.6	0.6	2	7.6	19.0
2449.60	16.4	-62	-62.6	0.6	2	6.1	19.0
2449.65	16.4	-62	-62.6	0.6	2	5.3	19.0
2449.70	16.4	-62	-62.8	0.8	2	6.8	19.2
2449.75	16.4	-62	-62.7	0.7	2	7.8	19.1
2449.80	16.4	-62	-62.8	0.8	2	6.4	19.2
2449.85	16.4	-62	-62.9	0.9	2	6.2	19.3

2449.90	16.4	-62	-62.9	0.9	2	6.6	19.3
2449.95	16.4	-62	-62.9	0.9	2	5.3	19.3
2450.00	16.4	-62	-62.9	0.9	2	6.4	19.3
2450.05	16.4	-62	-62.6	0.6	2	4.8	19.0
2450.10	16.4	-62	-62.5	0.5	2	6.5	18.9
2450.15	16.4	-62	-62.4	0.4	2	4.5	18.8
2450.20	16.4	-62	-62.3	0.3	2	5.0	18.7
2450.25	16.4	-62	-62.4	0.4	2	5.7	18.8
2450.30	16.4	-62	-62.5	0.5	2	7.9	18.9
2450.35	16.4	-62	-62.7	0.7	2	6.3	19.1
2450.40	16.4	-62	-62.9	0.9	2	6.7	19.3
2450.45	16.4	-62	-63.1	1.1	2	5.1	19.5
2450.50	16.4	-62	-63.5	1.5	2	5.0	19.9
Processing Gain(dB)@20th Percentile=11.5							



11Mbps Channel 11 (2462MHz) Processing Gain

Gp=(S/N)o+Lsys+(Jr/Sr)

Frequency (MHz)	(S/N)o (dB)	Sr (dBm)	Jr (dBm)	Jr/Sr (dB)	Lsys (dB)	FER (%)	Gp (dB)
2453.50	16.4	-62	-62.7	0.7	2	7.4	19.1
2453.55	16.4	-62	-62.2	0.2	2	7.2	18.6
2453.60	16.4	-62	-62.0	0.0	2	6.1	18.4
2453.65	16.4	-62	-61.7	-0.3	2	6.8	18.1
2453.70	16.4	-62	-61.6	-0.4	2	6.0	18.0
2453.75	16.4	-62	-61.6	-0.4	2	4.7	18.0
2453.80	16.4	-62	-61.6	-0.4	2	7.1	18.0
2453.85	16.4	-62	-61.7	-0.3	2	5.6	18.1
2453.90	16.4	-62	-61.7	-0.3	2	7.3	18.1
2453.95	16.4	-62	-62.0	0.0	2	6.9	18.4
2454.00	16.4	-62	-62.3	0.3	2	7.3	18.7
2454.05	16.4	-62	-62.3	0.3	2	6.0	18.7
2454.10	16.4	-62	-62.2	0.2	2	5.8	18.6
2454.15	16.4	-62	-62.2	0.2	2	7.3	18.6
2454.20	16.4	-62	-62.2	0.2	2	6.3	18.6
2454.25	16.4	-62	-62.0	0.0	2	5.9	18.4
2454.30	16.4	-62	-62.1	0.1	2	4.9	18.5
2454.35	16.4	-62	-62.0	0.0	2	7.6	18.4
2454.40	16.4	-62	-62.0	0.0	2	5.9	18.4
2454.45	16.4	-62	-61.8	-0.2	2	6.3	18.2
2454.50	16.4	-62	-61.7	-0.3	2	6.9	18.1
2454.55	16.4	-62	-61.4	-0.6	2	5.8	17.8
2454.60	16.4	-62	-61.1	-0.9	2	5.5	17.5
2454.65	16.4	-62	-60.8	-1.2	2	7.5	17.2
2454.70	16.4	-62	-60.8	-1.2	2	5.8	17.2
2454.75	16.4	-62	-60.8	-1.2	2	5.8	17.2
2454.80	16.4	-62	-60.9	-1.1	2	5.9	17.3
2454.85	16.4	-62	-60.9	-1.1	2	5.6	17.3
2454.90	16.4	-62	-60.9	-1.1	2	5.0	17.3
2454.95	16.4	-62	-61.1	-0.9	2	7.2	17.5
2455.00	16.4	-62	-61.3	-0.7	2	6.7	17.7
2455.05	16.4	-62	-61.3	-0.7	2	6.2	17.7

2455.10	16.4	-62	-61.3	-0.7	2	6.1	17.7
2455.15	16.4	-62	-61.2	-0.8	2	5.5	17.6
2455.20	16.4	-62	-61.2	-0.8	2	6.2	17.6
2455.25	16.4	-62	-61.2	-0.8	2	6.9	17.6
2455.30	16.4	-62	-61.0	-1.0	2	6.2	17.4
2455.35	16.4	-62	-61.1	-0.9	2	7.0	17.5
2455.40	16.4	-62	-61.0	-1.0	2	7.3	17.4
2455.45	16.4	-62	-60.9	-1.1	2	4.7	17.3
2455.50	16.4	-62	-60.8	-1.2	2	6.6	17.2
2455.55	16.4	-62	-60.3	-1.7	2	6.6	16.7
2455.60	16.4	-62	-60.1	-1.9	2	5.3	16.5
2455.65	16.4	-62	-59.9	-2.1	2	6.9	16.3
2455.70	16.4	-62	-59.7	-2.3	2	6.0	16.1
2455.75	16.4	-62	-59.7	-2.3	2	5.4	16.1
2455.80	16.4	-62	-59.5	-2.5	2	5.0	15.9
2455.85	16.4	-62	-59.5	-2.5	2	5.1	15.9
2455.90	16.4	-62	-59.4	-2.6	2	5.0	15.8
2455.95	16.4	-62	-59.6	-2.4	2	7.7	16.0
2456.00	16.4	-62	-59.6	-2.4	2	6.6	16.0
2456.05	16.4	-62	-59.6	-2.4	2	5.2	16.0
2456.10	16.4	-62	-59.5	-2.5	2	6.4	15.9
2456.15	16.4	-62	-59.5	-2.5	2	4.5	15.9
2456.20	16.4	-62	-59.4	-2.6	2	4.8	15.8
2456.25	16.4	-62	-59.2	-2.8	2	7.1	15.6
2456.30	16.4	-62	-59.0	-3.0	2	6.8	15.4
2456.35	16.4	-62	-58.8	-3.2	2	4.6	15.2
2456.40	16.4	-62	-58.7	-3.3	2	6.1	15.1
2456.45	16.4	-62	-58.5	-3.5	2	6.2	14.9
2456.50	16.4	-62	-58.5	-3.5	2	6.0	14.9
2456.55	16.4	-62	-58.2	-3.8	2	5.0	14.6
2456.60	16.4	-62	-58.3	-3.7	2	6.8	14.7
2456.65	16.4	-62	-58.2	-3.8	2	7.3	14.6
2456.70	16.4	-62	-58.2	-3.8	2	6.8	14.6
2456.75	16.4	-62	-58.2	-3.8	2	6.6	14.6
2456.80	16.4	-62	-58.1	-3.9	2	7.1	14.5
2456.85	16.4	-62	-58.1	-3.9	2	6.5	14.5
2456.90	16.4	-62	-57.9	-4.1	2	7.3	14.3

2456.95	16.4	-62	-57.8	-4.2	2	5.9	14.2
2457.00	16.4	-62	-57.7	-4.3	2	4.7	14.1
2457.05	16.4	-62	-57.6	-4.4	2	7.1	14.0
2457.10	16.4	-62	-57.5	-4.5	2	7.2	13.9
2457.15	16.4	-62	-57.4	-4.6	2	4.9	13.8
2457.20	16.4	-62	-57.1	-4.9	2	6.9	13.5
2457.25	16.4	-62	-57.1	-4.9	2	5.2	13.5
2457.30	16.4	-62	-57.0	-5.0	2	6.5	13.4
2457.35	16.4	-62	-57.1	-4.9	2	8.0	13.5
2457.40	16.4	-62	-57.1	-4.9	2	7.3	13.5
2457.45	16.4	-62	-57.1	-4.9	2	4.8	13.5
2457.50	16.4	-62	-57.0	-5.0	2	5.1	13.4
2457.55	16.4	-62	-56.8	-5.2	2	4.5	13.2
2457.60	16.4	-62	-56.7	-5.3	2	5.4	13.1
2457.65	16.4	-62	-56.6	-5.4	2	4.6	13.0
2457.70	16.4	-62	-56.4	-5.6	2	5.4	12.8
2457.75	16.4	-62	-56.4	-5.6	2	5.7	12.8
2457.80	16.4	-62	-56.3	-5.7	2	7.7	12.7
2457.85	16.4	-62	-56.2	-5.8	2	6.8	12.6
2457.90	16.4	-62	-56.2	-5.8	2	4.6	12.6
2457.95	16.4	-62	-56.2	-5.8	2	6.7	12.6
2458.00	16.4	-62	-56.2	-5.8	2	5.7	12.6
2458.05	16.4	-62	-56.1	-5.9	2	6.8	12.5
2458.10	16.4	-62	-56.2	-5.8	2	7.0	12.6
2458.15	16.4	-62	-56.2	-5.8	2	7.0	12.6
2458.20	16.4	-62	-56.2	-5.8	2	6.7	12.6
2458.25	16.4	-62	-56.1	-5.9	2	6.1	12.5
2458.30	16.4	-62	-55.9	-6.1	2	6.3	12.3
2458.35	16.4	-62	-55.9	-6.1	2	5.0	12.3
2458.40	16.4	-62	-55.8	-6.2	2	5.4	12.2
2458.45	16.4	-62	-55.7	-6.3	2	7.0	12.1
2458.50	16.4	-62	-55.5	-6.5	2	6.4	11.9
2458.55	16.4	-62	-55.6	-6.4	2	4.6	12.0
2458.60	16.4	-62	-55.5	-6.5	2	7.4	11.9
2458.65	16.4	-62	-55.5	-6.5	2	6.5	11.9
2458.70	16.4	-62	-55.5	-6.5	2	4.7	11.9
2458.75	16.4	-62	-55.5	-6.5	2	4.6	11.9

2458.80	16.4	-62	-55.7	-6.3	2	8.0	12.1
2458.85	16.4	-62	-55.5	-6.5	2	6.1	11.9
2458.90	16.4	-62	-55.4	-6.6	2	4.5	11.8
2458.95	16.4	-62	-55.4	-6.6	2	7.4	11.8
2459.00	16.4	-62	-55.3	-6.7	2	4.8	11.7
2459.05	16.4	-62	-55.1	-6.9	2	6.5	11.5
2459.10	16.4	-62	-55.0	-7.0	2	6.0	11.4
2459.15	16.4	-62	-55.0	-7.0	2	6.6	11.4
2459.20	16.4	-62	-54.8	-7.2	2	5.9	11.2
2459.25	16.4	-62	-54.9	-7.1	2	5.4	11.3
2459.30	16.4	-62	-54.8	-7.2	2	5.9	11.2
2459.35	16.4	-62	-54.8	-7.2	2	5.2	11.2
2459.40	16.4	-62	-54.8	-7.2	2	7.0	11.2
2459.45	16.4	-62	-54.9	-7.1	2	6.0	11.3
2459.50	16.4	-62	-54.8	-7.2	2	6.9	11.2
2459.55	16.4	-62	-55.0	-7.0	2	5.3	11.4
2459.60	16.4	-62	-54.9	-7.1	2	5.4	11.3
2459.65	16.4	-62	-54.9	-7.1	2	7.6	11.3
2459.70	16.4	-62	-54.8	-7.2	2	7.0	11.2
2459.75	16.4	-62	-54.7	-7.3	2	5.3	11.1
2459.80	16.4	-62	-54.7	-7.3	2	5.3	11.1
2459.85	16.4	-62	-54.5	-7.5	2	7.4	10.9
2459.90	16.4	-62	-54.5	-7.5	2	6.9	10.9
2459.95	16.4	-62	-54.5	-7.5	2	6.6	10.9
2460.00	16.4	-62	-54.5	-7.5	2	5.3	10.9
2460.05	16.4	-62	-54.5	-7.5	2	6.1	10.9
2460.10	16.4	-62	-54.5	-7.5	2	6.3	10.9
2460.15	16.4	-62	-54.6	-7.4	2	7.8	11.0
2460.20	16.4	-62	-54.7	-7.3	2	7.4	11.1
2460.25	16.4	-62	-54.8	-7.2	2	7.8	11.2
2460.30	16.4	-62	-54.8	-7.2	2	6.0	11.2
2460.35	16.4	-62	-54.7	-7.3	2	6.5	11.1
2460.40	16.4	-62	-54.7	-7.3	2	6.2	11.1
2460.45	16.4	-62	-54.6	-7.4	2	6.0	11.0
2460.50	16.4	-62	-54.7	-7.3	2	4.7	11.1
2460.55	16.4	-62	-54.5	-7.5	2	4.7	10.9
2460.60	16.4	-62	-54.6	-7.4	2	7.2	11.0

2460.65	16.4	-62	-54.7	-7.3	2	5.1	11.1
2460.70	16.4	-62	-54.6	-7.4	2	6.9	11.0
2460.75	16.4	-62	-54.7	-7.3	2	5.9	11.1
2460.80	16.4	-62	-54.7	-7.3	2	4.7	11.1
2460.85	16.4	-62	-55.0	-7.0	2	6.8	11.4
2460.90	16.4	-62	-55.0	-7.0	2	4.5	11.4
2460.95	16.4	-62	-55.1	-6.9	2	6.7	11.5
2461.00	16.4	-62	-55.1	-6.9	2	6.4	11.5
2461.05	16.4	-62	-55.1	-6.9	2	7.3	11.5
2461.10	16.4	-62	-55.1	-6.9	2	7.2	11.5
2461.15	16.4	-62	-55.2	-6.8	2	5.3	11.6
2461.20	16.4	-62	-55.3	-6.7	2	6.9	11.7
2461.25	16.4	-62	-55.2	-6.8	2	7.2	11.6
2461.30	16.4	-62	-55.3	-6.7	2	7.2	11.7
2461.35	16.4	-62	-55.3	-6.7	2	7.5	11.7
2461.40	16.4	-62	-55.2	-6.8	2	5.1	11.6
2461.45	16.4	-62	-55.2	-6.8	2	5.7	11.6
2461.50	16.4	-62	-55.4	-6.6	2	5.4	11.8
2461.55	16.4	-62	-55.3	-6.7	2	5.3	11.7
2461.60	16.4	-62	-55.5	-6.5	2	5.1	11.9
2461.65	16.4	-62	-55.5	-6.5	2	6.6	11.9
2461.70	16.4	-62	-55.5	-6.5	2	7.8	11.9
2461.75	16.4	-62	-55.4	-6.6	2	5.7	11.8
2461.80	16.4	-62	-55.4	-6.6	2	6.5	11.8
2461.85	16.4	-62	-55.2	-6.8	2	5.2	11.6
2461.90	16.4	-62	-55.1	-6.9	2	6.9	11.5
2461.95	16.4	-62	-55.2	-6.8	2	6.5	11.6
2462.00	16.4	-62	-55.0	-7.0	2	4.8	11.4
2462.05	16.4	-62	-55.1	-6.9	2	5.8	11.5
2462.10	16.4	-62	-55.2	-6.8	2	7.4	11.6
2462.15	16.4	-62	-55.4	-6.6	2	7.0	11.8
2462.20	16.4	-62	-55.4	-6.6	2	6.4	11.8
2462.25	16.4	-62	-55.5	-6.5	2	6.9	11.9
2462.30	16.4	-62	-55.6	-6.4	2	7.1	12.0
2462.35	16.4	-62	-55.6	-6.4	2	6.1	12.0
2462.40	16.4	-62	-55.5	-6.5	2	7.8	11.9
2462.45	16.4	-62	-55.4	-6.6	2	4.8	11.8

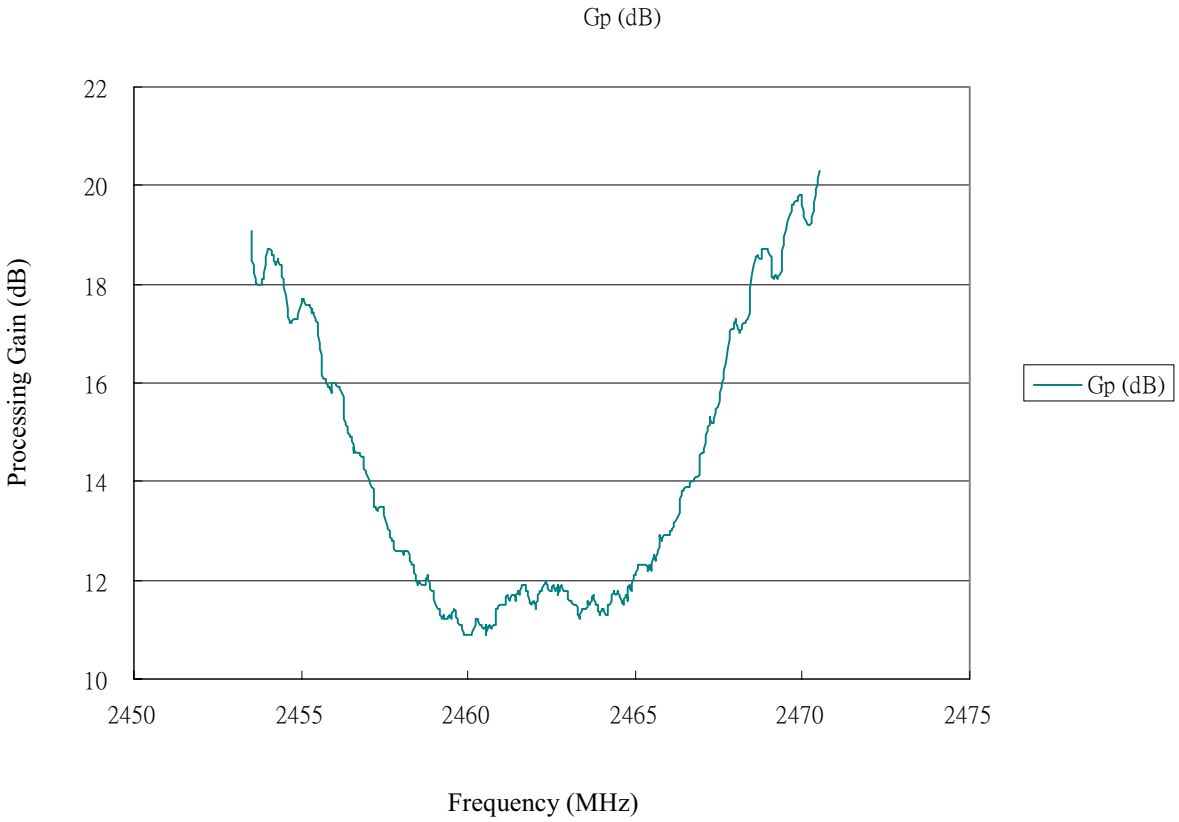
2462.50	16.4	-62	-55.4	-6.6	2	5.9	11.8
2462.55	16.4	-62	-55.5	-6.5	2	6.1	11.9
2462.60	16.4	-62	-55.4	-6.6	2	7.6	11.8
2462.65	16.4	-62	-55.5	-6.5	2	7.5	11.9
2462.70	16.4	-62	-55.3	-6.7	2	6.0	11.7
2462.75	16.4	-62	-55.4	-6.6	2	7.3	11.8
2462.80	16.4	-62	-55.5	-6.5	2	6.4	11.9
2462.85	16.4	-62	-55.4	-6.6	2	5.2	11.8
2462.90	16.4	-62	-55.4	-6.6	2	7.6	11.8
2462.95	16.4	-62	-55.4	-6.6	2	7.6	11.8
2463.00	16.4	-62	-55.3	-6.7	2	7.9	11.7
2463.05	16.4	-62	-55.2	-6.8	2	6.9	11.6
2463.10	16.4	-62	-55.2	-6.8	2	5.7	11.6
2463.15	16.4	-62	-55.1	-6.9	2	7.7	11.5
2463.20	16.4	-62	-55.1	-6.9	2	4.5	11.5
2463.25	16.4	-62	-55.0	-7.0	2	6.8	11.4
2463.30	16.4	-62	-55.0	-7.0	2	7.2	11.4
2463.35	16.4	-62	-54.8	-7.2	2	6.7	11.2
2463.40	16.4	-62	-55.0	-7.0	2	7.9	11.4
2463.45	16.4	-62	-55.0	-7.0	2	5.9	11.4
2463.50	16.4	-62	-55.0	-7.0	2	6.4	11.4
2463.55	16.4	-62	-55.1	-6.9	2	8.0	11.5
2463.60	16.4	-62	-55.2	-6.8	2	5.8	11.6
2463.65	16.4	-62	-55.1	-6.9	2	6.1	11.5
2463.70	16.4	-62	-55.2	-6.8	2	6.4	11.6
2463.75	16.4	-62	-55.3	-6.7	2	6.2	11.7
2463.80	16.4	-62	-55.1	-6.9	2	5.2	11.5
2463.85	16.4	-62	-55.1	-6.9	2	5.5	11.5
2463.90	16.4	-62	-55.1	-6.9	2	5.3	11.5
2463.95	16.4	-62	-54.9	-7.1	2	5.0	11.3
2464.00	16.4	-62	-55.0	-7.0	2	4.6	11.4
2464.05	16.4	-62	-55.0	-7.0	2	5.3	11.4
2464.10	16.4	-62	-54.9	-7.1	2	7.0	11.3
2464.15	16.4	-62	-54.9	-7.1	2	6.7	11.3
2464.20	16.4	-62	-55.1	-6.9	2	7.9	11.5
2464.25	16.4	-62	-55.1	-6.9	2	6.5	11.5
2464.30	16.4	-62	-55.2	-6.8	2	6.2	11.6

2464.35	16.4	-62	-55.4	-6.6	2	6.1	11.8
2464.40	16.4	-62	-55.3	-6.7	2	5.1	11.7
2464.45	16.4	-62	-55.4	-6.6	2	6.9	11.8
2464.50	16.4	-62	-55.4	-6.6	2	6.0	11.8
2464.55	16.4	-62	-55.3	-6.7	2	4.5	11.7
2464.60	16.4	-62	-55.2	-6.8	2	8.0	11.6
2464.65	16.4	-62	-55.1	-6.9	2	7.2	11.5
2464.70	16.4	-62	-55.3	-6.7	2	4.8	11.7
2464.75	16.4	-62	-55.2	-6.8	2	5.2	11.6
2464.80	16.4	-62	-55.4	-6.6	2	5.2	11.8
2464.85	16.4	-62	-55.5	-6.5	2	4.8	11.9
2464.90	16.4	-62	-55.4	-6.6	2	4.8	11.8
2464.95	16.4	-62	-55.7	-6.3	2	6.7	12.1
2465.00	16.4	-62	-55.7	-6.3	2	6.9	12.1
2465.05	16.4	-62	-55.9	-6.1	2	5.3	12.3
2465.10	16.4	-62	-55.9	-6.1	2	6.3	12.3
2465.15	16.4	-62	-55.9	-6.1	2	4.7	12.3
2465.20	16.4	-62	-55.9	-6.1	2	6.3	12.3
2465.25	16.4	-62	-55.9	-6.1	2	8.0	12.3
2465.30	16.4	-62	-55.9	-6.1	2	4.9	12.3
2465.35	16.4	-62	-55.8	-6.2	2	6.0	12.2
2465.40	16.4	-62	-55.8	-6.2	2	6.5	12.2
2465.45	16.4	-62	-55.9	-6.1	2	5.9	12.3
2465.50	16.4	-62	-55.8	-6.2	2	5.8	12.2
2465.55	16.4	-62	-56.1	-5.9	2	5.9	12.5
2465.60	16.4	-62	-56.0	-6.0	2	5.4	12.4
2465.65	16.4	-62	-56.2	-5.8	2	6.2	12.6
2465.70	16.4	-62	-56.3	-5.7	2	6.9	12.7
2465.75	16.4	-62	-56.5	-5.5	2	7.1	12.9
2465.80	16.4	-62	-56.4	-5.6	2	6.6	12.8
2465.85	16.4	-62	-56.5	-5.5	2	6.3	12.9
2465.90	16.4	-62	-56.5	-5.5	2	6.2	12.9
2465.95	16.4	-62	-56.5	-5.5	2	7.3	12.9
2466.00	16.4	-62	-56.5	-5.5	2	6.5	12.9
2466.05	16.4	-62	-56.6	-5.4	2	5.9	13.0
2466.10	16.4	-62	-56.6	-5.4	2	4.6	13.0
2466.15	16.4	-62	-56.7	-5.3	2	4.7	13.1

2466.20	16.4	-62	-56.8	-5.2	2	5.3	13.2
2466.25	16.4	-62	-56.9	-5.1	2	7.5	13.3
2466.30	16.4	-62	-57.0	-5.0	2	4.7	13.4
2466.35	16.4	-62	-57.1	-4.9	2	6.6	13.5
2466.40	16.4	-62	-57.4	-4.6	2	8.0	13.8
2466.45	16.4	-62	-57.4	-4.6	2	6.6	13.8
2466.50	16.4	-62	-57.5	-4.5	2	6.2	13.9
2466.55	16.4	-62	-57.5	-4.5	2	6.4	13.9
2466.60	16.4	-62	-57.5	-4.5	2	7.3	13.9
2466.65	16.4	-62	-57.5	-4.5	2	6.2	13.9
2466.70	16.4	-62	-57.6	-4.4	2	6.9	14.0
2466.75	16.4	-62	-57.6	-4.4	2	7.4	14.0
2466.80	16.4	-62	-57.7	-4.3	2	6.5	14.1
2466.85	16.4	-62	-57.7	-4.3	2	4.8	14.1
2466.90	16.4	-62	-57.8	-4.2	2	4.6	14.2
2466.95	16.4	-62	-58.1	-3.9	2	6.7	14.5
2467.00	16.4	-62	-58.2	-3.8	2	6.9	14.6
2467.05	16.4	-62	-58.2	-3.8	2	5.1	14.6
2467.10	16.4	-62	-58.4	-3.6	2	7.2	14.8
2467.15	16.4	-62	-58.7	-3.3	2	7.8	15.1
2467.20	16.4	-62	-58.8	-3.2	2	7.7	15.2
2467.25	16.4	-62	-58.9	-3.1	2	7.0	15.3
2467.30	16.4	-62	-58.8	-3.2	2	7.2	15.2
2467.35	16.4	-62	-58.8	-3.2	2	5.0	15.2
2467.40	16.4	-62	-59.0	-3.0	2	4.6	15.4
2467.45	16.4	-62	-59.1	-2.9	2	6.9	15.5
2467.50	16.4	-62	-59.3	-2.7	2	7.5	15.7
2467.55	16.4	-62	-59.3	-2.7	2	4.7	15.7
2467.60	16.4	-62	-59.5	-2.5	2	6.3	15.9
2467.65	16.4	-62	-59.7	-2.3	2	5.1	16.1
2467.70	16.4	-62	-60.0	-2.0	2	4.6	16.4
2467.75	16.4	-62	-60.3	-1.7	2	4.8	16.7
2467.80	16.4	-62	-60.5	-1.5	2	5.1	16.9
2467.85	16.4	-62	-60.6	-1.4	2	5.4	17.0
2467.90	16.4	-62	-60.7	-1.3	2	7.4	17.1
2467.95	16.4	-62	-60.7	-1.3	2	5.0	17.1
2468.00	16.4	-62	-60.9	-1.1	2	7.2	17.3

2468.05	16.4	-62	-60.7	-1.3	2	6.9	17.1
2468.10	16.4	-62	-60.6	-1.4	2	5.8	17.0
2468.15	16.4	-62	-60.6	-1.4	2	5.8	17.0
2468.20	16.4	-62	-60.7	-1.3	2	5.7	17.1
2468.25	16.4	-62	-60.8	-1.2	2	4.9	17.2
2468.30	16.4	-62	-60.8	-1.2	2	7.2	17.2
2468.35	16.4	-62	-60.9	-1.1	2	6.1	17.3
2468.40	16.4	-62	-61.2	-0.8	2	7.1	17.6
2468.45	16.4	-62	-61.5	-0.5	2	5.9	17.9
2468.50	16.4	-62	-61.8	-0.2	2	7.4	18.2
2468.55	16.4	-62	-62.0	0.0	2	4.7	18.4
2468.60	16.4	-62	-62.1	0.1	2	5.4	18.5
2468.65	16.4	-62	-62.2	0.2	2	6.8	18.6
2468.70	16.4	-62	-62.1	0.1	2	5.8	18.5
2468.75	16.4	-62	-62.1	0.1	2	4.9	18.5
2468.80	16.4	-62	-62.3	0.3	2	5.3	18.7
2468.85	16.4	-62	-62.3	0.3	2	7.3	18.7
2468.90	16.4	-62	-62.3	0.3	2	5.0	18.7
2468.95	16.4	-62	-62.3	0.3	2	6.5	18.7
2469.00	16.4	-62	-62.2	0.2	2	5.9	18.6
2469.05	16.4	-62	-62.1	0.1	2	6.3	18.5
2469.10	16.4	-62	-61.8	-0.2	2	5.9	18.2
2469.15	16.4	-62	-61.7	-0.3	2	6.3	18.1
2469.20	16.4	-62	-61.8	-0.2	2	5.8	18.2
2469.25	16.4	-62	-61.7	-0.3	2	6.0	18.1
2469.30	16.4	-62	-61.8	-0.2	2	7.3	18.2
2469.35	16.4	-62	-62.0	0.0	2	6.6	18.4
2469.40	16.4	-62	-62.2	0.2	2	4.7	18.6
2469.45	16.4	-62	-62.4	0.4	2	7.6	18.8
2469.50	16.4	-62	-62.7	0.7	2	4.7	19.1
2469.55	16.4	-62	-62.9	0.9	2	7.6	19.3
2469.60	16.4	-62	-63.0	1.0	2	4.6	19.4
2469.65	16.4	-62	-63.1	1.1	2	5.4	19.5
2469.70	16.4	-62	-63.2	1.2	2	6.7	19.6
2469.75	16.4	-62	-63.2	1.2	2	6.9	19.6
2469.80	16.4	-62	-63.3	1.3	2	5.8	19.7
2469.85	16.4	-62	-63.3	1.3	2	5.2	19.7

2469.90	16.4	-62	-63.4	1.4	2	6.3	19.8
2469.95	16.4	-62	-63.4	1.4	2	7.7	19.8
2470.00	16.4	-62	-63.3	1.3	2	4.8	19.7
2470.05	16.4	-62	-63.1	1.1	2	5.2	19.5
2470.10	16.4	-62	-62.9	0.9	2	4.8	19.3
2470.15	16.4	-62	-62.8	0.8	2	6.3	19.2
2470.20	16.4	-62	-62.8	0.8	2	6.9	19.2
2470.25	16.4	-62	-62.9	0.9	2	7.0	19.3
2470.30	16.4	-62	-62.9	0.9	2	4.9	19.3
2470.35	16.4	-62	-63.1	1.1	2	4.8	19.5
2470.40	16.4	-62	-63.4	1.4	2	7.2	19.8
2470.45	16.4	-62	-63.6	1.6	2	7.1	20.0
2470.50	16.4	-62	-63.9	1.9	2	7.2	20.3
Processing Gain(dB)@20th Percentile=11.6							



2Mbps Channel 7 (2442MHz) Processing Gain							
Gp=(S/N)o+Lsys+(Jr/Sr)							
Frequency (MHz)	(S/N)o (dB)	Sr (dBm)	Jr (dBm)	Jr/Sr (dB)	Lsys (dB)	FER (%)	Gp (dB)
2433.50	13.3	-62	-62.8	0.8	2	7.7	16.1
2433.55	13.3	-62	-62.5	0.5	2	5.7	15.8
2433.60	13.3	-62	-62.2	0.2	2	4.7	15.5
2433.65	13.3	-62	-62.0	0.0	2	4.7	15.3
2433.70	13.3	-62	-61.8	-0.2	2	4.8	15.1
2433.75	13.3	-62	-61.8	-0.2	2	4.8	15.1
2433.80	13.3	-62	-61.8	-0.2	2	4.9	15.1
2433.85	13.3	-62	-61.9	-0.1	2	7.3	15.2
2433.90	13.3	-62	-62.0	0.0	2	7.7	15.3
2433.95	13.3	-62	-62.3	0.3	2	5.4	15.6
2434.00	13.3	-62	-62.4	0.4	2	7.7	15.7
2434.05	13.3	-62	-62.4	0.4	2	4.6	15.7
2434.10	13.3	-62	-62.4	0.4	2	7.3	15.7
2434.15	13.3	-62	-62.4	0.4	2	7.1	15.7
2434.20	13.3	-62	-62.4	0.4	2	5.0	15.7
2434.25	13.3	-62	-62.3	0.3	2	4.6	15.6
2434.30	13.3	-62	-62.2	0.2	2	5.1	15.5
2434.35	13.3	-62	-62.2	0.2	2	7.3	15.5
2434.40	13.3	-62	-62.2	0.2	2	5.5	15.5
2434.45	13.3	-62	-62.0	0.0	2	7.2	15.3
2434.50	13.3	-62	-61.7	-0.3	2	6.1	15.0
2434.55	13.3	-62	-61.5	-0.5	2	6.2	14.8
2434.60	13.3	-62	-61.3	-0.7	2	6.7	14.6
2434.65	13.3	-62	-61.0	-1.0	2	6.9	14.3
2434.70	13.3	-62	-61.0	-1.0	2	6.9	14.3
2434.75	13.3	-62	-60.9	-1.1	2	5.0	14.2
2434.80	13.3	-62	-60.9	-1.1	2	8.0	14.2
2434.85	13.3	-62	-61.0	-1.0	2	5.2	14.3
2434.90	13.3	-62	-60.9	-1.1	2	4.8	14.2
2434.95	13.3	-62	-61.1	-0.9	2	6.2	14.4
2435.00	13.3	-62	-61.3	-0.7	2	7.9	14.6
2435.05	13.3	-62	-61.5	-0.5	2	5.0	14.8
2435.10	13.3	-62	-61.3	-0.7	2	6.9	14.6

2435.15	13.3	-62	-61.4	-0.6	2	7.0	14.7
2435.20	13.3	-62	-61.2	-0.8	2	5.4	14.5
2435.25	13.3	-62	-61.3	-0.7	2	6.3	14.6
2435.30	13.3	-62	-61.2	-0.8	2	6.5	14.5
2435.35	13.3	-62	-61.2	-0.8	2	5.7	14.5
2435.40	13.3	-62	-61.2	-0.8	2	6.1	14.5
2435.45	13.3	-62	-61.0	-1.0	2	5.5	14.3
2435.50	13.3	-62	-60.7	-1.3	2	5.6	14.0
2435.55	13.3	-62	-60.4	-1.6	2	4.6	13.7
2435.60	13.3	-62	-60.0	-2.0	2	5.0	13.3
2435.65	13.3	-62	-59.9	-2.1	2	6.1	13.2
2435.70	13.3	-62	-59.8	-2.2	2	5.2	13.1
2435.75	13.3	-62	-59.7	-2.3	2	5.8	13.0
2435.80	13.3	-62	-59.6	-2.4	2	7.4	12.9
2435.85	13.3	-62	-59.5	-2.5	2	4.6	12.8
2435.90	13.3	-62	-59.7	-2.3	2	6.0	13.0
2435.95	13.3	-62	-59.8	-2.2	2	4.7	13.1
2436.00	13.3	-62	-60.3	-1.7	2	5.8	13.6
2436.05	13.3	-62	-60.4	-1.6	2	5.2	13.7
2436.10	13.3	-62	-60.5	-1.5	2	5.7	13.8
2436.15	13.3	-62	-61.4	-0.6	2	6.0	14.7
2436.20	13.3	-62	-61.4	-0.6	2	7.8	14.7
2436.25	13.3	-62	-62.8	0.8	2	5.6	16.1
2436.30	13.3	-62	-62.8	0.8	2	6.7	16.1
2436.35	13.3	-62	-64.3	2.3	2	4.8	17.6
2436.40	13.3	-62	-63.8	1.8	2	4.6	17.1
2436.45	13.3	-62	-63.7	1.7	2	7.0	17.0
2436.50	13.3	-62	-64.3	2.3	2	5.0	17.6
2436.55	13.3	-62	-63.6	1.6	2	5.9	16.9
2436.60	13.3	-62	-63.8	1.8	2	4.6	17.1
2436.65	13.3	-62	-64.2	2.2	2	6.9	17.5
2436.70	13.3	-62	-62.7	0.7	2	5.6	16.0
2436.75	13.3	-62	-62.1	0.1	2	5.8	15.4
2436.80	13.3	-62	-61.5	-0.5	2	6.1	14.8
2436.85	13.3	-62	-60.9	-1.1	2	6.6	14.2
2436.90	13.3	-62	-60.3	-1.7	2	6.8	13.6
2436.95	13.3	-62	-60.0	-2.0	2	7.0	13.3

2437.00	13.3	-62	-60.0	-2.0	2	6.1	13.3
2437.05	13.3	-62	-59.5	-2.5	2	6.5	12.8
2437.10	13.3	-62	-59.4	-2.6	2	7.4	12.7
2437.15	13.3	-62	-59.4	-2.6	2	7.6	12.7
2437.20	13.3	-62	-59.3	-2.7	2	5.7	12.6
2437.25	13.3	-62	-59.2	-2.8	2	7.9	12.5
2437.30	13.3	-62	-59.2	-2.8	2	7.9	12.5
2437.35	13.3	-62	-59.2	-2.8	2	6.9	12.5
2437.40	13.3	-62	-59.3	-2.7	2	4.7	12.6
2437.45	13.3	-62	-59.5	-2.5	2	7.4	12.8
2437.50	13.3	-62	-59.7	-2.3	2	5.3	13.0
2437.55	13.3	-62	-59.7	-2.3	2	5.3	13.0
2437.60	13.3	-62	-59.7	-2.3	2	6.5	13.0
2437.65	13.3	-62	-59.7	-2.3	2	6.7	13.0
2437.70	13.3	-62	-59.8	-2.2	2	5.9	13.1
2437.75	13.3	-62	-59.8	-2.2	2	6.9	13.1
2437.80	13.3	-62	-59.8	-2.2	2	7.7	13.1
2437.85	13.3	-62	-59.8	-2.2	2	7.7	13.1
2437.90	13.3	-62	-59.7	-2.3	2	7.2	13.0
2437.95	13.3	-62	-59.7	-2.3	2	4.6	13.0
2438.00	13.3	-62	-59.7	-2.3	2	5.9	13.0
2438.05	13.3	-62	-59.5	-2.5	2	7.4	12.8
2438.10	13.3	-62	-59.2	-2.8	2	5.0	12.5
2438.15	13.3	-62	-59.2	-2.8	2	7.4	12.5
2438.20	13.3	-62	-59.1	-2.9	2	7.5	12.4
2438.25	13.3	-62	-59.2	-2.8	2	4.6	12.5
2438.30	13.3	-62	-59.1	-2.9	2	7.0	12.4
2438.35	13.3	-62	-59.0	-3.0	2	6.1	12.3
2438.40	13.3	-62	-59.1	-2.9	2	5.2	12.4
2438.45	13.3	-62	-59.2	-2.8	2	5.3	12.5
2438.50	13.3	-62	-59.1	-2.9	2	6.2	12.4
2438.55	13.3	-62	-59.4	-2.6	2	7.0	12.7
2438.60	13.3	-62	-59.5	-2.5	2	7.3	12.8
2438.65	13.3	-62	-59.5	-2.5	2	5.3	12.8
2438.70	13.3	-62	-59.4	-2.6	2	7.3	12.7
2438.75	13.3	-62	-59.5	-2.5	2	7.4	12.8
2438.80	13.3	-62	-59.5	-2.5	2	5.8	12.8

2438.85	13.3	-62	-59.3	-2.7	2	6.7	12.6
2438.90	13.3	-62	-59.1	-2.9	2	6.9	12.4
2438.95	13.3	-62	-59.2	-2.8	2	5.7	12.5
2439.00	13.3	-62	-59.4	-2.6	2	6.5	12.7
2439.05	13.3	-62	-59.1	-2.9	2	7.1	12.4
2439.10	13.3	-62	-59.0	-3.0	2	6.2	12.3
2439.15	13.3	-62	-59.1	-2.9	2	5.4	12.4
2439.20	13.3	-62	-58.8	-3.2	2	7.0	12.1
2439.25	13.3	-62	-58.9	-3.1	2	6.3	12.2
2439.30	13.3	-62	-59.0	-3.0	2	4.7	12.3
2439.35	13.3	-62	-58.9	-3.1	2	5.1	12.2
2439.40	13.3	-62	-58.6	-3.4	2	5.3	11.9
2439.45	13.3	-62	-59.1	-2.9	2	5.4	12.4
2439.50	13.3	-62	-58.5	-3.5	2	4.7	11.8
2439.55	13.3	-62	-59.1	-2.9	2	4.9	12.4
2439.60	13.3	-62	-59.4	-2.6	2	7.3	12.7
2439.65	13.3	-62	-59.5	-2.5	2	6.0	12.8
2439.70	13.3	-62	-59.4	-2.6	2	6.4	12.7
2439.75	13.3	-62	-59.4	-2.6	2	7.5	12.7
2439.80	13.3	-62	-59.6	-2.4	2	5.5	12.9
2439.85	13.3	-62	-58.8	-3.2	2	4.6	12.1
2439.90	13.3	-62	-58.5	-3.5	2	4.8	11.8
2439.95	13.3	-62	-59.1	-2.9	2	6.0	12.4
2440.00	13.3	-62	-59.1	-2.9	2	6.0	12.4
2440.05	13.3	-62	-59.0	-3.0	2	6.1	12.3
2440.10	13.3	-62	-58.9	-3.1	2	5.9	12.2
2440.15	13.3	-62	-58.9	-3.1	2	7.2	12.2
2440.20	13.3	-62	-58.6	-3.4	2	4.7	11.9
2440.25	13.3	-62	-58.7	-3.3	2	7.8	12.0
2440.30	13.3	-62	-58.8	-3.2	2	4.7	12.1
2440.35	13.3	-62	-58.4	-3.6	2	5.5	11.7
2440.40	13.3	-62	-58.0	-4.0	2	6.8	11.3
2440.45	13.3	-62	-58.5	-3.5	2	5.4	11.8
2440.50	13.3	-62	-58.0	-4.0	2	7.1	11.3
2440.55	13.3	-62	-58.8	-3.2	2	6.4	12.1
2440.60	13.3	-62	-59.2	-2.8	2	7.2	12.5
2440.65	13.3	-62	-59.4	-2.6	2	7.3	12.7

2440.70	13.3	-62	-59.3	-2.7	2	6.7	12.6
2440.75	13.3	-62	-59.2	-2.8	2	5.4	12.5
2440.80	13.3	-62	-59.3	-2.7	2	5.3	12.6
2440.85	13.3	-62	-58.5	-3.5	2	4.7	11.8
2440.90	13.3	-62	-58.1	-3.9	2	4.6	11.4
2440.95	13.3	-62	-58.9	-3.1	2	7.8	12.2
2441.00	13.3	-62	-58.9	-3.1	2	7.8	12.2
2441.05	13.3	-62	-59.0	-3.0	2	6.7	12.3
2441.10	13.3	-62	-58.9	-3.1	2	7.8	12.2
2441.15	13.3	-62	-58.9	-3.1	2	6.9	12.2
2441.20	13.3	-62	-58.5	-3.5	2	6.3	11.8
2441.25	13.3	-62	-58.6	-3.4	2	4.9	11.9
2441.30	13.3	-62	-58.5	-3.5	2	4.8	11.8
2441.35	13.3	-62	-58.0	-4.0	2	8.0	11.3
2441.40	13.3	-62	-57.5	-4.5	2	5.5	10.8
2441.45	13.3	-62	-58.1	-3.9	2	5.7	11.4
2441.50	13.3	-62	-57.6	-4.4	2	8.0	10.9
2441.55	13.3	-62	-59.0	-3.0	2	6.0	12.3
2441.60	13.3	-62	-59.6	-2.4	2	7.1	12.9
2441.65	13.3	-62	-60.1	-1.9	2	5.7	13.4
2441.70	13.3	-62	-60.5	-1.5	2	4.8	13.8
2441.75	13.3	-62	-61.6	-0.4	2	4.7	14.9
2441.80	13.3	-62	-62.1	0.1	2	5.7	15.4
2441.85	13.3	-62	-62.7	0.7	2	7.9	16.0
2441.90	13.3	-62	-62.5	0.5	2	6.3	15.8
2441.95	13.3	-62	-62.7	0.7	2	7.3	16.0
2442.00	13.3	-62	-63.0	1.0	2	8.0	16.3
2442.05	13.3	-62	-62.7	0.7	2	7.8	16.0
2442.10	13.3	-62	-62.8	0.8	2	6.2	16.1
2442.15	13.3	-62	-62.5	0.5	2	6.1	15.8
2442.20	13.3	-62	-61.9	-0.1	2	4.9	15.2
2442.25	13.3	-62	-61.3	-0.7	2	6.1	14.6
2442.30	13.3	-62	-60.4	-1.6	2	7.2	13.7
2442.35	13.3	-62	-60.0	-2.0	2	6.8	13.3
2442.40	13.3	-62	-59.2	-2.8	2	4.5	12.5
2442.45	13.3	-62	-59.1	-2.9	2	4.5	12.4
2442.50	13.3	-62	-58.1	-3.9	2	5.8	11.4

2442.55	13.3	-62	-58.6	-3.4	2	6.8	11.9
2442.60	13.3	-62	-58.5	-3.5	2	7.1	11.8
2442.65	13.3	-62	-58.5	-3.5	2	7.4	11.8
2442.70	13.3	-62	-58.5	-3.5	2	7.3	11.8
2442.75	13.3	-62	-58.1	-3.9	2	4.6	11.4
2442.80	13.3	-62	-58.5	-3.5	2	5.7	11.8
2442.85	13.3	-62	-57.5	-4.5	2	4.8	10.8
2442.90	13.3	-62	-57.7	-4.3	2	6.8	11.0
2442.95	13.3	-62	-58.6	-3.4	2	6.6	11.9
2443.00	13.3	-62	-59.0	-3.0	2	7.4	12.3
2443.05	13.3	-62	-59.1	-2.9	2	5.8	12.4
2443.10	13.3	-62	-59.3	-2.7	2	6.0	12.6
2443.15	13.3	-62	-59.3	-2.7	2	5.3	12.6
2443.20	13.3	-62	-59.3	-2.7	2	5.0	12.6
2443.25	13.3	-62	-59.3	-2.7	2	5.5	12.6
2443.30	13.3	-62	-59.2	-2.8	2	5.4	12.5
2443.35	13.3	-62	-59.0	-3.0	2	8.0	12.3
2443.40	13.3	-62	-58.4	-3.6	2	5.0	11.7
2443.45	13.3	-62	-58.9	-3.1	2	6.4	12.2
2443.50	13.3	-62	-58.2	-3.8	2	7.5	11.5
2443.55	13.3	-62	-58.8	-3.2	2	5.6	12.1
2443.60	13.3	-62	-58.7	-3.3	2	5.9	12.0
2443.65	13.3	-62	-58.7	-3.3	2	7.0	12.0
2443.70	13.3	-62	-58.7	-3.3	2	4.8	12.0
2443.75	13.3	-62	-58.5	-3.5	2	5.7	11.8
2443.80	13.3	-62	-58.8	-3.2	2	7.9	12.1
2443.85	13.3	-62	-58.0	-4.0	2	5.7	11.3
2443.90	13.3	-62	-58.0	-4.0	2	6.5	11.3
2443.95	13.3	-62	-58.8	-3.2	2	5.5	12.1
2444.00	13.3	-62	-59.2	-2.8	2	4.5	12.5
2444.05	13.3	-62	-59.2	-2.8	2	7.3	12.5
2444.10	13.3	-62	-59.3	-2.7	2	6.9	12.6
2444.15	13.3	-62	-59.4	-2.6	2	7.5	12.7
2444.20	13.3	-62	-59.2	-2.8	2	4.6	12.5
2444.25	13.3	-62	-59.3	-2.7	2	6.6	12.6
2444.30	13.3	-62	-59.3	-2.7	2	5.6	12.6
2444.35	13.3	-62	-59.0	-3.0	2	5.7	12.3

2444.40	13.3	-62	-58.8	-3.2	2	4.5	12.1
2444.45	13.3	-62	-59.0	-3.0	2	4.9	12.3
2444.50	13.3	-62	-58.5	-3.5	2	5.7	11.8
2444.55	13.3	-62	-58.9	-3.1	2	6.5	12.2
2444.60	13.3	-62	-58.8	-3.2	2	7.0	12.1
2444.65	13.3	-62	-58.7	-3.3	2	6.5	12.0
2444.70	13.3	-62	-58.6	-3.4	2	6.7	11.9
2444.75	13.3	-62	-58.5	-3.5	2	7.6	11.8
2444.80	13.3	-62	-58.7	-3.3	2	4.8	12.0
2444.85	13.3	-62	-58.5	-3.5	2	7.3	11.8
2444.90	13.3	-62	-58.4	-3.6	2	5.8	11.7
2444.95	13.3	-62	-58.8	-3.2	2	7.3	12.1
2445.00	13.3	-62	-59.2	-2.8	2	4.7	12.5
2445.05	13.3	-62	-59.1	-2.9	2	6.2	12.4
2445.10	13.3	-62	-59.1	-2.9	2	5.9	12.4
2445.15	13.3	-62	-59.2	-2.8	2	4.7	12.5
2445.20	13.3	-62	-59.1	-2.9	2	4.6	12.4
2445.25	13.3	-62	-59.2	-2.8	2	5.3	12.5
2445.30	13.3	-62	-59.2	-2.8	2	5.8	12.5
2445.35	13.3	-62	-59.3	-2.7	2	6.2	12.6
2445.40	13.3	-62	-59.1	-2.9	2	6.3	12.4
2445.45	13.3	-62	-59.1	-2.9	2	7.3	12.4
2445.50	13.3	-62	-58.9	-3.1	2	5.0	12.2
2445.55	13.3	-62	-59.0	-3.0	2	7.1	12.3
2445.60	13.3	-62	-59.0	-3.0	2	6.6	12.3
2445.65	13.3	-62	-58.9	-3.1	2	5.6	12.2
2445.70	13.3	-62	-58.9	-3.1	2	5.5	12.2
2445.75	13.3	-62	-59.0	-3.0	2	6.9	12.3
2445.80	13.3	-62	-59.1	-2.9	2	6.1	12.4
2445.85	13.3	-62	-59.1	-2.9	2	5.5	12.4
2445.90	13.3	-62	-59.1	-2.9	2	5.3	12.4
2445.95	13.3	-62	-59.3	-2.7	2	6.8	12.6
2446.00	13.3	-62	-59.6	-2.4	2	8.0	12.9
2446.05	13.3	-62	-59.6	-2.4	2	7.0	12.9
2446.10	13.3	-62	-59.6	-2.4	2	6.6	12.9
2446.15	13.3	-62	-59.8	-2.2	2	6.1	13.1
2446.20	13.3	-62	-59.7	-2.3	2	6.9	13.0

2446.25	13.3	-62	-59.8	-2.2	2	7.0	13.1
2446.30	13.3	-62	-59.7	-2.3	2	7.1	13.0
2446.35	13.3	-62	-59.9	-2.1	2	6.4	13.2
2446.40	13.3	-62	-59.7	-2.3	2	7.0	13.0
2446.45	13.3	-62	-59.8	-2.2	2	5.6	13.1
2446.50	13.3	-62	-59.6	-2.4	2	7.3	12.9
2446.55	13.3	-62	-59.6	-2.4	2	6.2	12.9
2446.60	13.3	-62	-59.3	-2.7	2	4.9	12.6
2446.65	13.3	-62	-59.2	-2.8	2	6.1	12.5
2446.70	13.3	-62	-59.1	-2.9	2	6.5	12.4
2446.75	13.3	-62	-59.2	-2.8	2	7.1	12.5
2446.80	13.3	-62	-59.2	-2.8	2	6.4	12.5
2446.85	13.3	-62	-59.1	-2.9	2	6.9	12.4
2446.90	13.3	-62	-59.2	-2.8	2	6.7	12.5
2446.95	13.3	-62	-59.4	-2.6	2	7.0	12.7
2447.00	13.3	-62	-59.8	-2.2	2	6.2	13.1
2447.05	13.3	-62	-59.9	-2.1	2	4.9	13.2
2447.10	13.3	-62	-60.3	-1.7	2	5.9	13.6
2447.15	13.3	-62	-61.1	-0.9	2	8.0	14.4
2447.20	13.3	-62	-61.4	-0.6	2	7.7	14.7
2447.25	13.3	-62	-62.8	0.8	2	7.9	16.1
2447.30	13.3	-62	-62.7	0.7	2	7.5	16.0
2447.35	13.3	-62	-64.2	2.2	2	7.0	17.5
2447.40	13.3	-62	-63.8	1.8	2	6.4	17.1
2447.45	13.3	-62	-64.0	2.0	2	5.0	17.3
2447.50	13.3	-62	-64.2	2.2	2	7.0	17.5
2447.55	13.3	-62	-64.5	2.5	2	6.9	17.8
2447.60	13.3	-62	-64.2	2.2	2	5.9	17.5
2447.65	13.3	-62	-64.2	2.2	2	7.4	17.5
2447.70	13.3	-62	-63.2	1.2	2	8.0	16.5
2447.75	13.3	-62	-62.7	0.7	2	6.2	16.0
2447.80	13.3	-62	-61.9	-0.1	2	7.8	15.2
2447.85	13.3	-62	-61.5	-0.5	2	4.5	14.8
2447.90	13.3	-62	-60.7	-1.3	2	6.9	14.0
2447.95	13.3	-62	-60.7	-1.3	2	6.9	14.0
2448.00	13.3	-62	-60.6	-1.4	2	5.5	13.9
2448.05	13.3	-62	-60.1	-1.9	2	5.7	13.4

2448.10	13.3	-62	-60.0	-2.0	2	5.2	13.3
2448.15	13.3	-62	-60.0	-2.0	2	5.9	13.3
2448.20	13.3	-62	-59.9	-2.1	2	7.3	13.2
2448.25	13.3	-62	-60.0	-2.0	2	7.3	13.3
2448.30	13.3	-62	-60.0	-2.0	2	5.9	13.3
2448.35	13.3	-62	-60.2	-1.8	2	5.3	13.5
2448.40	13.3	-62	-60.5	-1.5	2	7.3	13.8
2448.45	13.3	-62	-60.8	-1.2	2	6.6	14.1
2448.50	13.3	-62	-61.1	-0.9	2	4.5	14.4
2448.55	13.3	-62	-61.2	-0.8	2	5.9	14.5
2448.60	13.3	-62	-61.5	-0.5	2	4.8	14.8
2448.65	13.3	-62	-61.5	-0.5	2	7.4	14.8
2448.70	13.3	-62	-61.5	-0.5	2	5.2	14.8
2448.75	13.3	-62	-61.5	-0.5	2	5.5	14.8
2448.80	13.3	-62	-61.6	-0.4	2	6.8	14.9
2448.85	13.3	-62	-61.7	-0.3	2	5.9	15.0
2448.90	13.3	-62	-61.7	-0.3	2	7.2	15.0
2448.95	13.3	-62	-61.6	-0.4	2	6.0	14.9
2449.00	13.3	-62	-61.5	-0.5	2	5.8	14.8
2449.05	13.3	-62	-61.4	-0.6	2	6.3	14.7
2449.10	13.3	-62	-61.3	-0.7	2	7.7	14.6
2449.15	13.3	-62	-61.2	-0.8	2	5.3	14.5
2449.20	13.3	-62	-61.2	-0.8	2	4.9	14.5
2449.25	13.3	-62	-61.2	-0.8	2	7.8	14.5
2449.30	13.3	-62	-61.2	-0.8	2	6.8	14.5
2449.35	13.3	-62	-61.3	-0.7	2	6.7	14.6
2449.40	13.3	-62	-61.6	-0.4	2	4.6	14.9
2449.45	13.3	-62	-61.9	-0.1	2	5.3	15.2
2449.50	13.3	-62	-62.1	0.1	2	7.0	15.4
2449.55	13.3	-62	-62.3	0.3	2	7.9	15.6
2449.60	13.3	-62	-62.4	0.4	2	5.0	15.7
2449.65	13.3	-62	-62.5	0.5	2	6.0	15.8
2449.70	13.3	-62	-62.6	0.6	2	6.4	15.9
2449.75	13.3	-62	-62.6	0.6	2	6.3	15.9
2449.80	13.3	-62	-62.6	0.6	2	6.5	15.9
2449.85	13.3	-62	-62.7	0.7	2	5.1	16.0
2449.90	13.3	-62	-62.7	0.7	2	7.0	16.0

2449.95	13.3	-62	-62.8	0.8	2	5.8	16.1
2450.00	13.3	-62	-62.6	0.6	2	4.6	15.9
2450.05	13.3	-62	-62.5	0.5	2	7.3	15.8
2450.10	13.3	-62	-62.3	0.3	2	5.1	15.6
2450.15	13.3	-62	-62.2	0.2	2	7.8	15.5
2450.20	13.3	-62	-62.2	0.2	2	5.6	15.5
2450.25	13.3	-62	-62.3	0.3	2	6.4	15.6
2450.30	13.3	-62	-62.4	0.4	2	5.1	15.7
2450.35	13.3	-62	-62.5	0.5	2	7.9	15.8
2450.40	13.3	-62	-62.8	0.8	2	7.0	16.1
2450.45	13.3	-62	-62.9	0.9	2	4.7	16.2
2450.50	13.3	-62	-63.3	1.3	2	6.3	16.6

Processing Gain(dB)@20th Percentile=12.3