

Class II Permissive Change Test Report And Application for Grant of Equipment Authorization

Pertaining To:

EUT	FCC ID:
Intel PRO/Wireless 2915ABG Network Connection, MN: WM3B2915ABG	PD9FJ3B2915ABG

Configuration

802.11a / 802.11b / 802.11g with a set of Compal Biathlon Antennas

MEASUREMENTS PERFORMED IN ACCORDANCE WITH

Regulatory Standard(s)

47 CFR Part 15, Subpart C Section 15.247

Test Method:

ANSI C63.4: 2003 American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz



Certificate Number: 1111.01

APPLICANT:

Intel Corporation 2111 NE 25th Avenue Hillsboro, Oregon 97124

Contact(s): Mr. Robert Paxman

	REPORT	APPENDICES	TOTAL
	BODY	A	PAGES
PAGES	18	36	54

PREPARED BY:

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Test Report #: INTEL-051207F

Test Report Revision: None

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A	Test Data

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1.0 CERTIFICATION OF TEST DATA

Aegis Labs, Inc. operates as both a Nevada and California Corporation with no organizational or financial relationship with any company, institution, or private individual.

Testing and engineering functions provided by Aegis Labs are furnished through the use of part-time, full-time or consulting engineers with the appropriate qualifications to carry out their duties. The intended purpose of this test report is to describe the measurement procedure and to determine whether the equipment under test "EUT" complies with both the conducted and radiated limits. Limits for emissions testing are described under Subpart C of Part 15 of the FCC rules.

The data, data evaluation and equipment configuration represented herein are a true and accurate representation of the Equipment Under Test (EUT) under the requirements specified in the emissions standard as described below. The test results contained in this report are only representative of the test sample tested as described in Section 3.0 of this report. Certification of the EUT is required as a prerequisite to marketing as defined in Part 2 of the FCC Rules.

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2.0 SUMMARY OF TEST RESULTS

The test results provided within this report, indicate that the EUT has been found to be in **COMPLIANCE** with the test specifications based upon the following RF compliance standards:

Pass/Fail determination is based upon the nominal values of the test data.

802.11a Mode (5745-5825 MHz)

EMISSIONS STANDARD				
FCC Part 15 Section	Description	Results	Comments	
15.247(a)(2)	The minimum 6dB bandwidth shall be at least 500 kHz.	PASSED	5745 MHz = 16.58 MHz 5785 MHz = 16.67 MHz 5825 MHz = 16.67 MHz Per Original Filing	
15.247(b)(3)	The maximum peak output power of the intentional radiator shall not exceed 1 watt.	PASSED	5745 MHz = 23.10 dBm = 204.17 mW 5785 MHz = 23.29 dBm = 213.30 mW 5825 MHz = 23.24 dBm = 210.86 mW	
15.247(b)(5)	The intentional radiator shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess of the FCC guidelines per Section 1.1307(b)(1).	PASSED	Refer to MPE Calculations Exhibit	
15.247(c)	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power.	PASSED	See Data Sheets	
15.247(c)	Radiated emissions, which fall in the restricted bands, as defined in Sec. 15.205(a), must also comply with the radiated emission limits specified in Sec. 15.209(a). All others must be < -20dBc.	PASSED	See Data Sheets	
15.247(d)	The peak power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.	PASSED	5745 MHz = -10.50 dB 5785 MHz = -10.50 dB 5825 MHz = -9.83 dB Per Original Filing	
15.207	AC Conducted Emissions	PASSED	See Original Filing	
15.209	Radiated Emissions (30-1000 MHz)	PASSED	See Original Filing	

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2.0 Summary of Test Results (Continued)

The test results provided within this report, indicate that the EUT has been found to be in **COMPLIANCE** with the test specifications based upon the following RF compliance standards:

Pass/Fail determination is based upon the nominal values of the test data.

802.11b Mode (2412-2462 MHz)

	EMISSIONS STANDARD					
FCC Part 15 Section	Description	Results	Comments			
15.247(a)(2)	The minimum 6dB bandwidth shall be at least 500 kHz.	PASSED	2412 MHz = 7.75 MHz 2437 MHz = 7.83 MHz 2462 MHz = 7.75 MHz Per Original Filing			
15.247(b)(3)	The maximum peak output power of the intentional radiator shall not exceed 1 watt.	PASSED	2412 MHz = 17.18 dBm = 52.24 mW 2437 MHz = 18.87 dBm = 77.09 mW 2462 MHz = 19.05 dBm = 80.35 mW			
15.247(b)(5)	The intentional radiator shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess of the FCC guidelines per Section 1.1307(b)(1).	PASSED	Refer to MPE Calculations Exhibit			
15.247(c)	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power.	PASSED	See Data Sheets			
15.247(c)	Radiated emissions, which fall in the restricted bands, as defined in Sec. 15.205(a), must also comply with the radiated emission limits specified in Sec. 15.209(a). All others must be < -20dBc.	PASSED	See Data Sheets			
15.247(d)	The peak power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.	PASSED	2412 MHz = -6.17 dB 2437 MHz = -6.67 dB 2462 MHz = -7.17 dB Per Original Filing			
15.207	AC Conducted Emissions	PASSED	See Original Filing			
15.209	Radiated Emissions (30-1000 MHz)	PASSED	See Original Filing			

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2.0 Summary of Test Results (Continued)

The test results provided within this report, indicate that the EUT has been found to be in **COMPLIANCE** with the test specifications based upon the following RF compliance standards:

Pass/Fail determination is based upon the nominal values of the test data.

802.11g Mode (2412-2462 MHz)

EMISSIONS STANDARD					
FCC Part 15 Section	Description	Results	Comments		
15.247(a)(2)	The minimum 6dB bandwidth shall be at least 500 kHz.	PASSED	2412 MHz = 16.33 MHz 2437 MHz = 16.67 MHz 2462 MHz = 16.67 MHz Per Original Filing		
15.247(b)(3)	The maximum peak output power of the intentional radiator shall not exceed 1 watt.	PASSED	2412 MHz = 24.02 dBm = 252.35 mW 2437 MHz = 24.04 dBm = 253.51 mW 2462 MHz = 23.76 dBm = 237.68 mW		
15.247(b)(5)	The intentional radiator shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess of the FCC guidelines per Section 1.1307(b)(1).	PASSED	Refer to MPE Calculations Exhibit		
15.247(c)	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power.	PASSED	See Data Sheets		
15.247(c)	Radiated emissions, which fall in the restricted bands, as defined in Sec. 15.205(a), must also comply with the radiated emission limits specified in Sec. 15.209(a). All others must be < -20dBc.	PASSED	See Data Sheets		
15.247(d)	The peak power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.	PASSED	2412 MHz = -11.33 dB 2437 MHz = -12.67 dB 2462 MHz = -11.17 dB Per Original Filing		
15.207	AC Conducted Emissions	PASSED	See Original Filing		
15.209	Radiated Emissions (30-1000 MHz)	PASSED	See Original Filing		

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3.0 ADMINISTRATIVE DATA AND TEST DESCRIPTION

DEVICE TESTED:	ITE Type: Intel PRO/Wireless 2915ABG Network Connection Model Number(s): WM3B2915ABG Serial Number: 07E65185BTC88891005 FCC ID: PD9FJ3B2915ABG	
TEST DATE (S):	December 7 - 15, 2005	
DATE EUT RECEIVED:	December 6, 2005	
ORIGIN OF TEST SAMPLE(S):	Production Unit	
RESPONSIBLE PARTY:	Intel Corporation 2111 NE 25 th Avenue Hillsboro, Oregon 97124	
CLIENT CONTACT:	Mr. Robert Paxman	
MANUFACTURER:	Intel Corporation	
TEST LOCATION:	Aegis Labs, Inc. 32231 Trabuco Creek Road Trabuco Canyon, CA 92678 Conducted Site #2 Radiated Site #2	
A2LA CERTIFICATE:	1111.01, Valid through February 28, 2006	
PURPOSE OF TEST:	To demonstrate compliance with the relevant standards described in Section 2.0 of this report.	
TEST(S) PERFORMED:	Refer to Table in Section 2.0 of this report.	

All calibration vendors were responsible for certifying Aegis Labs, Inc. test equipment as per the manufacturer's specifications and that the equipment is calibrated using instruments and standards where the accuracy is traceable to the National Institute of Standards and Technology (NIST). Calibration of all test equipment conforms to ANSI/NCSL Z540-1 and ISO 10012-1 and/or ISO/IEC Guide 17025 compliance (Additionally, other pertinent test equipment will carry MIL-STD-45662A). All calibration documents are on file with Aegis Labs, Inc., with copies provided upon request.

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4.0 DESCRIPTION OF EUT

4.1 EUT Description

Equipment Under Test (EUT)			
Trade Name:	Intel PRO/Wireless 2915ABG Network Connection		
Model Number:	WM3B2915ABG		
Frequency Range:	802.11a = 5745 - 5825 MHz 802.11b/g = 2412 - 2462MHz		
Type of Transmission:	Direct Sequence Spread Spectrum		
Transfer Rate:	1/5.5/11 Mbps for 802.11b mode 6/36/54 Mbps for 802.11g and 802.11a modes		
Number of Channels:	802.11a mode (5725-5850 MHz) = 5 802.11b mode (2400-2483.5 MHz) = 11 802.11g mode (2400-2483.5 MHz)= 11		
Modulation Type:	DBPSK, DQPSK, CCK, OFDM		
Antenna Type:	Main/Aux = PIFA		
Antenna Gain (See Note 2):	3.54 dBi @ 5 GHz / 3.38 dBi @ 2.4 GHz		
Transmit Output Power:	23 dBm (Typical) for 802.11a mode 17 - 19 dBm (Typical) for 802.11b mode 24 dBm (Typical) for 802.11g mode Please see Appendix A (Data Sheets) for actual output power.		
Power Supply:	3.3VDC from computer MPCI slot.		
Number of External Test Ports Exercised:	2 Antenna Ports (1 Main & 1 Auxiliary)		

The Intel PRO/Wireless 2915ABG Network Connection is an embedded 2.4 and 5 GHz Wireless Local Area Network Mini-PCI adapter. The Mini-PCI Type 3B form factor is designed for notebook computer systems where overall thickness must be kept to an absolute minimum and connect to antennas internal to a notebook computer. It is capable of a data rate of up to 52 Mbps.

NOTE 1: For a more detailed description, please refer to the manufacture's specifications or User's Manual.

NOTE 2: The EUT was tested with a set of antennas. (Refer to the antenna specifications exhibits).

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4.1.1 Channel Number and Frequencies

802.11	a Mode	802.11b Mode		802.11g Mode	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
149	5745	1	2412	1	2412
153	5765	2	2417	2	2417
157	5785	3	2422	3	2422
161	5805	4	2427	4	2427
165	5825	5	2432	5	2432
		6	2437	6	2437
		7	2442	7	2442
		8	2447	8	2447
		9	2452	9	2452
		10	2457	10	2457
		11	2462	11	2462

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4.2 EUT Configuration

The EUT was tested installed in the Mini-PCI slot of the Hewlett Packard host computer as a modular device using a PCI extender board to extend the EUT outside the computer chassis. The EUT was then connected to a set of antennas via its Main and AUX antenna ports. Data for a set of Compal Biathlon antennas can be found in Appendix A (Data Sheets)

The low, middle, and high channels were tested in 802.11a, b, & g modes. Also, the EUT was tested once transmitting from the MAIN antenna port and once transmitting from the AUX antenna port. The EUT was placed in either continuous transmit or continuous receive mode by a program provided by the manufacturer (*CRTU Version 3.2.15.0000*).



List of EUT, Sub-Assemblies, and Host Equipment 4.3

LIST OF EUT AND SUB-ASSEMBLIES					
Equipment Name Manufacturer Model Number Serial Number					
Intel PRO/Wireless 2915ABG			07E65185BTC8		
Network Connection Intel Corporation WM3		WM3B2915ABG	8891005		
EUT Sub-Assemblies					
Main Dual Band Antenna	Wistron NeWeb Corp.	81.EBC15.020	N/A		
Auxiliary Dual Band Antenna	Wistron NeWeb Corp.	81.EBC15.020	N/A		

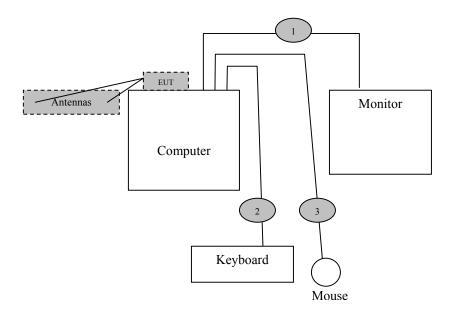
HOST EQUIPMENT LIST					
Equipment Name	Manufacturer	Model Number	Serial Number		
Computer	Hewlett Packard	d220 MT	MXD44401SC		
Monitor	Compaq	610	712BC060B526		
Keyboard	Logitech	Y-BF37	MCTZ5200581		
Mouse	Logitech	M-BJ58	PMA32715049		

NOTE: All the power cords of the above support equipment are standard non-shielded, 1.8 meters long.

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4.4 I/O Cabling Diagram and Description



- Cable 1: This is a 6-foot braid and foil shielded round cable connecting the host computer with the monitor. It has metallic DB-15 type connector at the computer end and is hardwired to the monitor. The cable is bundled to a length of one meter and the shield of the cable is grounded to the chassis of both devices via the connector shells.
- Cable 2: This is a 6-foot braid and foil shielded round cable connecting the host computer to the keyboard. It has a metallic 6-pin mini din type connector at the computer end and is hardwired to the keyboard. The shield of the cable is grounded to the chassis of the computer via the connector shell.
- Cable 3: This is a 6-foot braid and foil shielded round cable connecting the host computer to the mouse. It has a metallic 6-pin mini din type connector at the computer end and is hardwired to the mouse. The shield of the cable is grounded to the chassis of the computer via the connector shell.

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5.0 TEST EQUIPMENT AND TEST SETUPS

The test equipment settings and functions are selected using the guidance of ANSI C63.4-2003. All test equipment setups and operations during conducted and radiated emissions testing are in accordance with this reference document

5.1 AC Power Line Conducted Emissions

During conducted emissions measurements, a spectrum analyzer was used as the measuring instrument along with a preselector and quasi-peak detector. A 10 dB attenuation pad was used for the protection of the spectrum analyzer input stage. The conducted emissions from the EUT in the frequency range from 150 kHz to 30 MHz were captured for graphical display through the use of automated LABVIEW EMI measurement software. All graphical readings were measured in the "Peak" mode only to reduce testing time. Upon completion of the graphical scan, the test lab personnel performed the conducted measurement scan manually using the spectrum analyzer front panel keys. All peak measurements coming within 3 dB of the limit line were "Averaged" and/or "Quasi-Peaked" and denoted appropriately in the EXCEL spreadsheet.

The Equipment Under Test (EUT) was configured as a system with peripherals connected, so that at least one interface port of each type is connected to one external peripheral when tested for conducted emissions according to ANSI C63.4: 2003. Excess power cord length was wrapped in a bundle 30 to 40 centimeters in length near the center of the cord. The EUT was tested in a tabletop configuration.

The emission readings for Line 1 and Line 2 are highlighted on the data sheets in Appendix A. The graphical scans only reflects peak readings while the tabulated data sheets reflect peak, average, and/or quasi-peak readings which ever applies.

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5.2 Spurious Radiated Emissions

A spectrum analyzer was used as the measuring instrumentation along with a preselector and quasi-peak-detector. The pre-amplifiers were used to increase the sensitivity of the instrument. The spectrum analyzer was used in the peak detector mode with the "max-hold" feature activated and in Positive Peak mode. In this mode, the spectrum analyzer records the highest measured reading over all the sweeps. The quasi-peak detector was used only for those readings, which are marked accordingly in the data sheet. The effective measurement bandwidth used for the radiated emissions test was 120 kHz for (30 MHz- 1000 MHz). The spectrum analyzer operated such that the modulation of the signal was filtered out to set the analyzer in linear mode. For testing beyond 1000 MHz a spectrum analyzer capable of taking reading above 1000 MHz was connected to the high frequency amplifier, where these measurement readings were taken with the transducer placed at a 3-meter test distance from the EUT.

The Open Area Test Sites (OATS) was used for radiated emission testing. These test sites are designed according to ANSI C63.4: 2003 and ANSI C63.7: 1992 guidelines. The Measurements were conducted in accordance with ANSI C63.4: 2003 and ANSI C63.7: 1992 requirements.

Broadband biconical, log periodic, and horn antennas were used as transducers during the measurement reading phase. The frequency spans were wide (30 MHz-88 MHz, 88 MHz- 216 MHz, 216 MHz- 300 MHz, and 300 MHz- 1000 MHz). After 1000 MHz the horn antenna was used to measure emissions. The emission readings in both horizontal and vertical polarities are highlighted on the data sheets in Appendix A.

5.3 Conducted Emissions at the Antenna Port

A spectrum analyzer or power meter was used as the measuring instrumentation along with an attenuator and/or filter connected to the EUT antenna port. The attenuator and filters are used to ensure that the front end of the measurement instrument is not overloaded by the fundamental transmission. The instruments recorded the measured readings with the bandwidths (video and resolution) set in accordance with the FCC Rules and regulations.

For the power out measurements in 802.11b and 802.11g modes a peak power meter was used along with a peak power sensor with a wide enough bandwidth to capture the entire fundamental transmission. For 802.11a mode a spectrum analyzer with "Channel Power Measurement" function was used to measure the peak output power.

The measured readings are on the data sheets in Appendix A.

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5.4 Test and Measurement Equipment Used

	TES	T EQUIPMENT USEI)		
Equipment Name	Manufacturer	Model Number	Serial Number	Calibratio n Due Date	Calibration Cycle
Spectrum Analyzer	Agilent	8564EC	4046A00387	08/15/06	1 Year
Preamp	Miteq	JS42-01001800-25- 10P	815980	07/21/06	1 Year
2.4 GHz Notch Filter	Micro-Tronics	BRM50702-02	003	04/21/06	1 Year
5.15-5.35 GHz Notch Filter	Microwave Circuits	N0452502	3173-01	06/27/06	1 Year
5.725-5.850 GHz Notch Filter	Microwave Circuits	N0257881	3173-01	06/27/06	1 Year
Horn Antenna	EMCO	3115	2230	02/06/06	1 Year
Antenna - 18-26.5 GHz Pre- amplified Horn	Aegis Labs, Inc.	H042	SLK-35-3W	11/04/06	1 Year
Antenna - 26.5-40 GHz Pre- amplified Horn	Aegis Labs, Inc.	H028	GM1260-10	11/04/06	1 Year
Cable	Semflex	60637	S1L29BFS1348	04/11/06	1 Year
Temperature/Humidity Monitor	Dickson	TH550	7255185	N/A	N/A
Power Meter	Anritsu	ML2487A	6K00001785	04/12/06	1 Year
Wide Bandwidth Sensor	Anritsu	MA2491A	31193	04/12/06	1 Year
12dB Attenuator	Narda	4779-12	203	08/06/06	1 Year

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6.0 SAMPLE CALCULATIONS

If a preamplifier is used during the Radiated Emissions Testing, it is required that the amplifier gain be subtracted from the Spectrum Analyzer (Meter) Reading. In addition, a correction factor for the antenna, cable and a distance factor, if any, must be applied to the Meter Reading before a true field strength reading can be obtained. In the Automatic Mode of A.R.M.S. measurements, these considerations are automatically presented as a part of the printout. In the case of manual measurements and for greater efficiency and convenience, usage of the calibration correction factors in the Appendices is necessary to calculate the Corrected Meter Reading. These correlation factors for each meter reading, shall be modified to reflect these correlation factors at each frequency value so that the meter readings can be compared directly to the modified specification limit. This modified specification limit is referred to as the "Corrected Meter Reading Limit" (CML).

The equation shall be derived in the following manner:

Corrected Meter Reading = Meter Reading + F + C - G - D

Where, F = Antenna Factor

C = Cable Factor

G = Amplifier Gain

D = Distance Factor

Therefore, the equation for determining the Corrected Meter Reading Limit (CML) is:

$$CML = Specification Limit - F - C + G + D$$

For the manual mode of measurement, a table of corrected meter reading limits shall be used to permit immediate comparison of the meter reading to determine if the measured emission amplitude exceeded the specification limit at that specific frequency. There shall be two calculation sheets done, one for three meter and one for ten-meter measurement distances, where applicable. The correction factors for the antenna and the amplifier gain are attached in the Appendices.

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6.0 Sample Calculations (Continued)

Peak Transmit Power Output:

A correction factor for the cable must be applied to the Conducted Power before a true power reading can be obtained. This is referred to as the "Corrected Power" (CP).

The equation shall be derived in the following manner:

Corrected Power Reading = Conducted Power Reading + C

Where, C = Cable Factor

The conducted power is taken in units of dBm. To obtain units of mW the following equation is used:

 $mW = 10^{(dBm/10)}$



7.0 MODIFICATIONS AND RECOMMENDATIONS

No modifications were made to the EUT.

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APPENDIX A

TEST DATA



Compal Biathlon TEST DATA

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CLIENT:	Intel Corporation	DATE:	12/14/05
EUT:	Intel PRO/Wireless 2915ABG Network Connection	PROJECT NUMBER:	INTEL-051207
MODEL NUMBER:	WM3B2915ABG	TEST ENGINEER:	BM/RJ
SERIAL NUMBER:	07E65185BTC88891005	SITE #:	2
CONFIGURATION:	Tested installed in the host computer's	TEMPERATURE:	9 C
	mini PCI slot in 802.11a (5745-5825	HUMIDITY:	86% RH
	MHz) mode with the Compal Biathlon Antennas.	TIME:	9:00 PM

Standard:	FCC CFR 47, Part 15.247(c)
Description:	Radiated emissions, which fall in the restricted bands, as defined in Sec. 15.205(a), must also comply with the radiated emission limits specified in Sec. 15.209(a). All others must be < -20dBc.
Results:	Passes (See Data Sheets)

	Unwanted Spurious Emissions Limits											
Frequency (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m) (Emissions in the restricted bands)	Field Strength (dBm/MHz) (Emissions outside the restricted bands									
Above 960	500	54.00 (Average) 74.00 (Peak)	<-20 dBc									

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Fundamental Measurements in **802.11a mode (5745-5825 MHz)**Channels 149, 157, & 165

Continuous TX at MAIN Antenna port with Compal Biathlon Antennas
Aegis Labs, Inc. File #: INTEL-051207-02

	RADIATED EMISSIONS - Horizontal Antenna Polarization												
Freq. (MHz)	Meter Reading (dBuV)	Antenna Height (cm)	Azimuth (degrees)	Quasi pk AVG (dBu		Preamp Factor (dB)	Cable Factor (dB)	Ant. Factor (dB)	Corrected Reading (dBuV)	Limits (dBuV)	Diff (dB) +=FAIL		
5745.00	70.33	100	225				4.75	35.05	110.12				
5745.00				59.25	A		4.75	35.05	99.04				
5785.00	69.33	100	225				4.77	35.07	109.17				
5785.00				58.32	A		4.77	35.07	98.16				
5825.00	70.00	100	225				4.78	35.10	109.88				
5825.00				59.04	A		4.78	35.10	98.92				

	RADIATED EMISSIONS – Vertical Antenna Polarization												
Freq. (MHz)	Meter Reading (dBuV)	Antenna Height (cm)	Azimuth (degrees)	Quasi pk or AVG (dBuV)		Preamp Factor (dB)	Cable Factor (dB)	Ant. Factor (dB)	Corrected Reading (dBuV)	Limits (dBuV)	Diff (dB) +=FAIL		
5745.00	70.33	100	135				4.75	34.85	109.92				
5745.00				59.00	A		4.75	34.85	98.59				
5785.00	70.83	100	135				4.77	34.87	110.47				
5785.00				59.83	A		4.77	34.87	99.47				
5825.00	69.83	100	135				4.78	34.90	109.51				
5825.00				58.97	A		4.78	34.90	98.65				

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Band Edge Field Strength Measurements in **802.11a mode (5745-5825 MHz)**Channels 149, 157, & 165 **Continuous TX** at MAIN Antenna port with **Compal Biathlon Antennas**Aegis Labs, Inc. File #: INTEL-051207-02

	RADIATED EMISSIONS - Horizontal Antenna Polarization												
Freq. (MHz)	Meter Reading (dBuV)	Antenna Height (cm)	Azimuth (degrees)	Quasi pk or AVG (dBuV)	Preamp Factor (dB)	Cable Factor (dB)	Ant. Factor (dB)	Corrected Reading (dBuV)	Limits (dBuV)	Diff (dB) +=FAIL			
5725.00	33.50	100	225			4.74	35.04	73.27	90.12	-16.85			
5850.00	31.50	100	225			4.79	35.11	71.40	89.88	-18.47			

	RADIATED EMISSIONS – Vertical Antenna Polarization													
Freq. (MHz)	Meter Reading (dBuV)	Antenna Height (cm)	Azimuth (degrees)	Quasi pk or AVG (dBuV)	Preamp Factor (dB)	Cable Factor (dB)	Ant. Factor (dB)	Corrected Reading (dBuV)	Limits (dBuV)	Diff(dB) += $FAIL$				
5725.00	32.50	100	135			4.74	34.84	72.07	89.92	-17.85				
5850.00	30.67	100	135			4.79	34.91	70.37	89.51	-19.13				

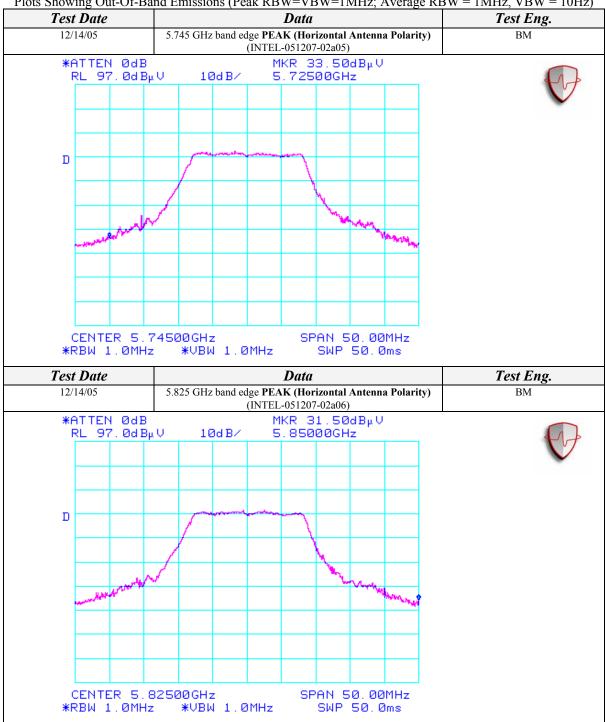
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AEGIS LABS INC

Spurious Radiated Emissions Test Results (Continued)

Plots Showing Out-Of-Band Emissions (Peak RBW=VBW=1MHz; Average RBW = 1MHz, VBW = 10Hz)



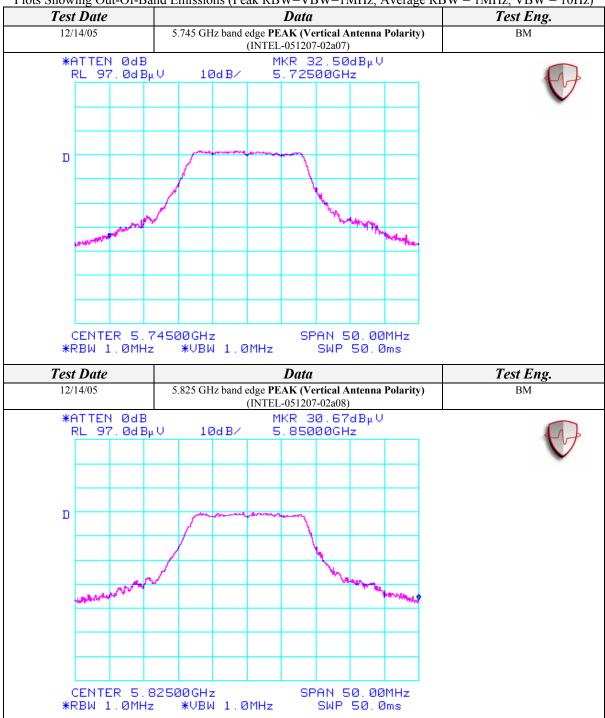
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AEGIS LABS INC

Spurious Radiated Emissions Test Results (Continued)

Plots Showing Out-Of-Band Emissions (Peak RBW=VBW=1MHz; Average RBW = 1MHz, VBW = 10Hz)



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Spurious Emissions Measurements in **802.11a mode (5745-5825 MHz)**Channels 149, 157, & 165

Continuous TX at MAIN Antenna port with Compal Biathlon Antennas
Aegis Labs, Inc. File #: INTEL-051207-04

	RADIATED EMISSIONS - Horizontal Antenna Polarization												
Freq. (MHz)	Meter Reading (dBuV)	Antenna Height (cm)	Azimuth (degrees)	Quasi pk AVG (dB		Preamp Factor (dB)	Cable Factor (dB)	Ant. Factor (dB)	Corrected Reading (dBuV)	Limits (dBuV)	Diff (dB) +=FAIL		
EUT in Co	ntinuous	Transmit	Mode on C	Channel 1	49 (5	5.745 GHz)						
3830.00	56.00	100	225			46.75	3.84	32.46	45.55	74.00	-28.45		
3830.00				46.64	A	46.75	3.84	32.46	36.19	54.00	-17.81		
7660.00	56.33	100	225			45.56	5.51	37.34	53.61	74.00	-20.39		
7660.00				50.47	A	45.56	5.51	37.34	47.75	54.00	-6.25		
EUT in Co	EUT in Continuous Transmit Mode on Channel 157 (5.785 GHz)												
3856.66	54.83	100	135			46.74	3.86	32.53	44.47	74.00	-29.53		
3856.66				44.73	A	46.74	3.86	32.53	34.37	54.00	-19.63		
7713.32	55.00	100	225			45.52	5.53	37.58	52.59	74.00	-21.41		
7713.32				48.56	A	45.52	5.53	37.58	46.15	54.00	-7.85		
EUT in Co	ntinuous	Transmit	Mode on C	Channel 1	65 (5	5.825 GHz							
3883.33	55.50	125	225			46.74	3.87	32.60	45.23	74.00	-28.77		
3883.33				46.92	A	46.74	3.87	32.60	36.65	54.00	-17.35		
7766.66	55.83	100	225			45.48	5.55	37.83	53.72	74.00	-20.28		
7766.66				50.68	A	45.48	5.55	37.83	48.57	54.00	-5.43		

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		RADIA	TED EN	MISSIO:	NS -	Vertical	Anten	na Polari	ization			
Freq. (MHz)	Meter Reading (dBuV)	Antenna Height (cm)	Azimuth (degrees)	Quasi pk AVG (dB		Preamp Factor (dB)	Cable Factor (dB)	Ant. Factor (dB)	Corrected Reading (dBuV)	Limits (dBuV)	Diff (dB) +=FAIL	
EUT in Co	ontinuous	Transmit 1	Mode on C	hannel 14	49 (5	.745 GHz)						
3830.00	54.17	100	225			46.75	3.84	32.46	43.72	74.00	-30.28	
3830.00				42.44	A	46.75	3.84	32.46	31.99	54.00	-22.01	
7660.00	56.33	100	225			45.56	5.51	37.37	53.64	74.00	-20.36	
7660.00				50.92	A	45.56	5.51	37.37	48.23	54.00	-5.77	
EUT in Co	EUT in Continuous Transmit Mode on Channel 157 (5.785 GHz)											
3856.66	53.83	100	225			46.74	3.86	32.53	43.47	74.00	-30.53	
3856.66				43.78	A	46.74	3.86	32.53	33.42	54.00	-20.58	
7713.32	55.50	100	225			45.52	5.53	37.62	53.13	74.00	-20.87	
7713.32				48.63	A	45.52	5.53	37.62	46.26	54.00	-7.74	
EUT in Co	ontinuous	Transmit 1	Mode on C	hannel 10	65 (5	.825 GHz)						
3883.33	54.17	100	180			46.74	3.87	32.60	43.90	74.00	-30.10	
3883.33				43.83	A	46.74	3.87	32.60	33.56	54.00	-20.44	
7766.66	54.67	100	225			45.48	5.55	37.88	52.61	74.00	-21.39	
7766.66				48.17	A	45.48	5.55	37.88	46.11	54.00	-7.89	

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Spurious Emissions Measurements in **802.11a mode (5745-5825 MHz)**Channels 149, 157, & 165

Continuous TX at MAIN Antenna port with Compal Biathlon Antennas
Aegis Labs, Inc. File #: INTEL-051207-05

	RADIATED EMISSIONS - Horizontal Antenna Polarization											
Freg.	Meter Reading	Antenna Height	Azimuth	Quasi pi	kou	Cable Factor	Antenna/ Preamp	Corrected Reading	Limits	Diff (dB)		
(MHz)	(dBuV)	(cm)	(degrees)	AVG (dE			Factor (dB)	(dBuV/m)	(dBuV/m)	+=FAIL		
EUT in Cont	inuous Tr	ansmit N	Iode on C	hannel 1	49 (5	745 MHz)						
22980.00	52.17	100	225			10.01	4.99	57.19	74.00	-16.81		
22980.00				33.63	A	10.01	4.99	38.65	54.00	-15.35		
EUT in Cont	inuous Tr	ansmit M	Tode on C	hannel 1	57 (5	785 MHz)						
23140.00	45.67	100	225			9.99	5.18	50.49	89.17	-38.68		
EUT in Cont	inuous Tr	ansmit M	Iode on C	hannel 1	65 (5	825 MHz)						
23300.00	46.33	100	225			10.01	5.33	51.01	89.88	-38.87		

RADIATED EMISSIONS - Vertical Antenna Polarization											
	R	ADIAT	ED EM	ISSION	S -	Vertical Ai	itenna Pol	larization			
	Meter	Antenna					Antenna/	Corrected			
Freq.	Reading	Height	Azimuth	Quasi pk	cor	Cable Factor	Preamp	Reading	Limits	Diff (dB)	
(MHz)	(dBuV)	(cm)	(degrees)	AVG (dB	uV)	(dB)	Factor (dB)	(dBuV/m)	(dBuV/m)	+=FAIL	
EUT in Continuous Transmit Mode on Channel 149 (5745 MHz)											
22980.00	40.67	100	225			10.01	5.08	45.60	74.00	-28.40	
22980.00				26.70	A	10.01	5.08	31.63	54.00	-22.37	
EUT in Cont	tinuous Tr	ansmit N	Tode on C	hannel 1	57 (5	785 MHz)					
23140.00	40.50	100	135			9.99	5.21	45.29	90.47	-45.18	
EUT in Continuous Transmit Mode on Channel 165 (5825 MHz)											
23300.00	41.17	100	135			10.01	5.30	45.88	89.51	-43.63	

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Spurious Emissions Measurements in **802.11a mode (5745-5825 MHz)**Channels 149, 157, & 165

Continuous RX at MAIN Antenna port with Compal Biathlon Antennas
Aegis Labs, Inc. File #: INTEL-051207-04

	RADIATED EMISSIONS - Horizontal Antenna Polarization												
Freq. (MHz)	Meter Reading (dBuV)	Antenna Height (cm)	Azimuth (degrees)	Quasi pk or AVG (dBuV)		Preamp Factor (dB)	Cable Factor (dB)	Ant. Factor (dB)	Corrected Reading (dBuV)	Limits (dBuV)	Diff(dB) += $FAIL$		
EUT in Continuous Receive Mode on Channel 149 (5.745 GHz)													
3830.00	55.83	100	225			46.75	3.84	32.46	45.38	74.00	-28.62		
3830.00				48.17	A	46.75	3.84	32.46	37.72	54.00	-16.28		
7660.00	54.17	100	135			45.56	5.51	37.34	51.45	74.00	-22.55		
7660.00				47.92	A	45.56	5.51	37.34	45.20	54.00	-8.80		
EUT in C	ontinuous	Receive 1	Mode on C	hannel 1	57 (5	5.785 GHz)						
3856.62	55.83	100	225			46.74	3.86	32.53	45.47	74.00	-28.53		
3856.62				48.32	A	46.74	3.86	32.53	37.96	54.00	-16.04		
7713.32	55.83	150	135			45.52	5.53	37.58	53.42	74.00	-20.58		
7713.32				50.22	A	45.52	5.53	37.58	47.81	54.00	-6.19		
EUT in C	ontinuous	Receive 1	Mode on C	hannel 10	65 (5	5.825 GHz)						
3883.34	55.67	100	225			46.73	3.87	32.60	45.40	74.00	-28.60		
3883.34				46.02	A	46.73	3.87	32.60	35.75	54.00	-18.25		
7766.62	54.67	100	135			45.48	5.55	37.83	52.56	74.00	-21.44		
7766.62				48.75	A	45.48	5.55	37.83	46.64	54.00	-7.36		

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RADIATED EMISSIONS - Vertical Antenna Polarization												
Freq. (MHz)	Meter Reading (dBuV)	Antenna Height (cm)	Azimuth (degrees)	Quasi pk or AVG (dBuV)		Preamp Factor (dB)	Cable Factor (dB)	Ant. Factor (dB)	Corrected Reading (dBuV)	Limits (dBuV)	Diff (dB) +=FAIL	
EUT in C	EUT in Continuous Receive Mode on Channel 149 (5.745 GHz)											
3830.00	55.00	100	225			46.75	3.84	32.46	44.55	74.00	-29.45	
3830.00				46.78	A	46.75	3.84	32.46	36.33	54.00	-17.67	
7660.00	54.50	150	225			45.56	5.51	37.34	51.78	74.00	-22.22	
7660.00				47.80	A	45.56	5.51	37.34	45.08	54.00	-8.92	
EUT in C	EUT in Continuous Receive Mode on Channel 157 (5.785 GHz)											
3856.65	56.00	125	225			46.74	3.86	32.53	45.64	74.00	-28.36	
3856.65				48.00	A	46.74	3.86	32.53	37.64	54.00	-16.36	
7713.29	53.67	100	225			45.52	5.53	37.62	51.30	74.00	-22.70	
7713.29				46.73	A	45.52	5.53	37.62	44.36	54.00	-9.64	
EUT in C	ontinuous	Receive 1	Mode on C	Channel 10	65 (5	.825 GHz)					
3883.35	54.67	100	225			46.73	3.87	32.60	44.40	74.00	-29.60	
3883.35				44.50	A	46.73	3.87	32.60	34.23	54.00	-19.77	
7766.63	54.17	175	135			45.48	5.55	37.88	52.11	74.00	-21.89	
7766.63				46.69	A	45.48	5.55	37.88	44.63	54.00	-9.37	

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CLIENT:	Intel Corporation	DATE:	12/14/05
EUT:	Intel PRO/Wireless 2915ABG Network Connection	PROJECT NUMBER:	INTEL-051207
MODEL NUMBER:	WM3B2915ABG	TEST ENGINEER:	BM/RJ
SERIAL NUMBER:	07E65185BTC88891005	SITE #:	2
CONFIGURATION:	Tested installed in the host computer's	TEMPERATURE:	9 C
	mini PCI slot in 802.11b (2412-2462	HUMIDITY:	86% RH
	MHz) mode with the Compal Biathlon Antennas.	TIME:	9:00 PM

Standard:	FCC CFR 47, Part 15.247(c)
Description:	Radiated emissions, which fall in the restricted bands, as defined in Sec. 15.205(a), must also comply with the radiated emission limits specified in Sec. 15.209(a). All others must be < -20dBc.
Results:	Passes (See Data Sheets)

	Unwanted Spurious Emissions Limits											
Frequency (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m) (Emissions in the restricted bands)	Field Strength (dBm/MHz) (Emissions outside the restricted bands)									
Above 960	500	54.00 (Average) 74.00 (Peak)	<-20 dBc									

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Fundamental Measurements in **802.11b mode (2412-2462 MHz)**Channels 1, 6, & 11

Continuous TX at MAIN Antenna port with Compal Biathlon Antennas
Aegis Labs, Inc. File #: INTEL-051207-02

	RADIATED EMISSIONS - Horizontal Antenna Polarization												
Freq. (MHz)	Meter Reading (dBuV)	Antenna Height (cm)	Azimuth (degrees)	Quasi pk AVG (dBu		Preamp Factor (dB)	Cable Factor (dB)	Ant. Factor (dB)	Corrected Reading (dBuV)	Limits (dBuV)	Diff (dB) +=FAIL		
2412.00	74.83	100	135				3.02	29.22	107.08				
2412.00				65.82	A		3.02	29.22	98.07				
2437.00	76.33	100	135				3.04	29.27	108.64				
2437.00				68.63	A		3.04	29.27	100.94				
2462.00	77.17	100	135				3.06	29.32	109.55				
2462.00				69.46	A		3.06	29.32	101.84				

	RADIATED EMISSIONS – Vertical Antenna Polarization												
Freq. (MHz)	Meter Reading (dBuV)	Antenna Height (cm)	Azimuth (degrees)	Quasi pk or AVG (dBuV)		Preamp Factor (dB)	Cable Factor (dB)	Ant. Factor (dB)	Corrected Reading (dBuV)	Limits (dBuV)	Diff (dB) +=FAIL		
2412.00	70.17	100	270				3.02	29.42	102.62				
2412.00				61.75	A		3.02	29.42	94.20				
2437.00	71.83	150	135				3.04	29.47	104.34				
2437.00				63.50	A		3.04	29.47	96.01				
2462.00	72.33	100	135				3.06	29.52	104.91				
2462.00				64.08	A		3.06	29.52	96.66				

NOTE: Fundamental signals measured to calculate the band edge field strengths using the "Marker Delta Method".

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AEGIS LABS INC

Band Edge Field Strength Measurements in 802.11b mode (2412-2462 MHz) Channels 1, 6, & 11 Continuous TX at MAIN Antenna port with Compal Biathlon Antennas Aegis Labs, Inc. File #: INTEL-051207-02

	RADIATED EMISSIONS - Horizontal Antenna Polarization											
Freq. (MHz)	Meter Reading (dBuV)	Antenna Height (cm)	Azimuth (degrees)	Quasi pk or AVG (dBuV)	Preamp Factor (dB)	Cable Factor (dB)	Ant. Factor (dB)	Corrected Reading (dBuV)	Limits (dBuV)	Diff (dB) +=FAIL		
2390.00								52.91	74.00	-21.09		
2390.00				A				35.73	54.00	-18.27		
2386.30								55.25	74.00	-18.75		
2386.30				A				36.73	54.00	-17.27		
2400.00	39.00	100	135			3.02	29.20	71.22	87.08	-15.86		
2483.50								55.05	74.00	-18.95		
2483.50				A				39.51	54.00	-14.49		
2489.00								55.89	74.00	-18.11		
2489.00				A				40.34	54.00	-13.66		
		RADI	ATED E	MISSIONS	- Vertic	cal Ante	nna Pol	arization				
Freq. (MHz)	Meter Reading (dBuV)	Antenna Height (cm)	Azimuth (degrees)	Quasi pk or AVG (dBuV)	Preamp Factor (dB)	Cable Factor (dB)	Ant. Factor (dB)	Corrected Reading (dBuV)	Limits (dBuV)	Diff (dB) +=FAIL		
2390.00								48.45	74.00	-25.55		
2390.00				A				31.86	54.00	-22.14		
2386.30								50.79	74.00	-23.21		
2386.30				A				32.86	54.00	-21.14		
2400.00	35.50	100	270			3.02	29.40	67.92	82.62	-14.70		
2483.50								50.41	74.00	-23.59		
2483.50				A				34.33	54.00	-19.67		
2489.00								51.25	74.00	-22.75		
2489.00				A				35.16	54.00	-18.84		

NOTE: The "Band Edge Field Strength" was calculated using the "Fundamental" and "Conducted Band Edge" measurements per the "Marker-Delta Method" with the following formula:

 $BE = Fm - \Delta m$

Where

BE = Band Edge Field Strength

Fm = Measured Fundamental (Peak or Average)

 Δm = Measured Conducted Band Edge Delta (Peak or Average)

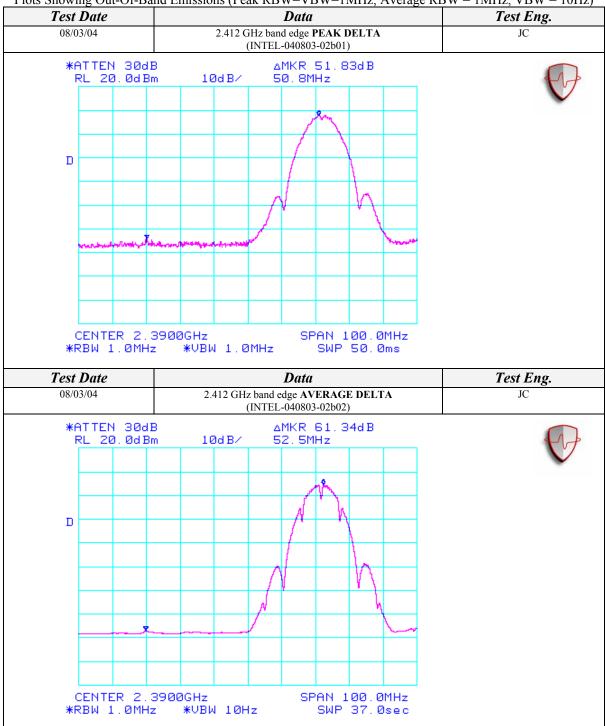
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AEGIS LABS INC

Spurious Radiated Emissions Test Results (Continued)

Plots Showing Out-Of-Band Emissions (Peak RBW=VBW=1MHz; Average RBW = 1MHz, VBW = 10Hz)



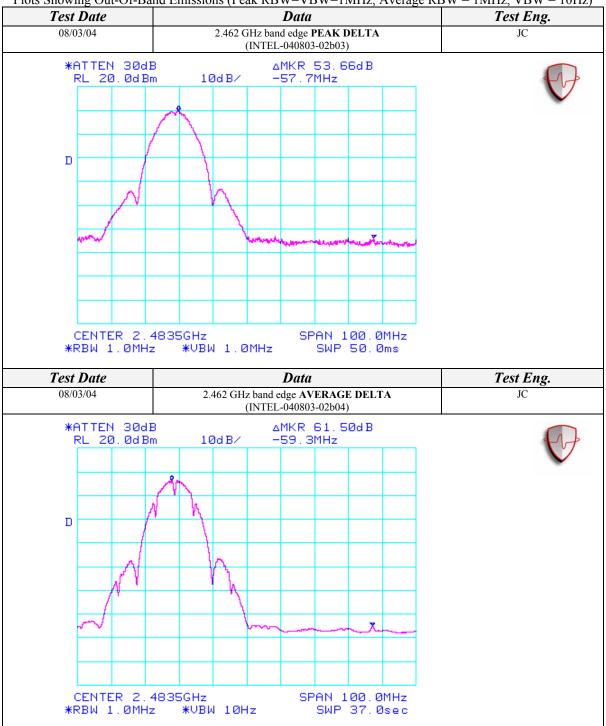
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AEGIS LABS INC

Spurious Radiated Emissions Test Results (Continued)

Plots Showing Out-Of-Band Emissions (Peak RBW=VBW=1MHz; Average RBW = 1MHz, VBW = 10Hz)



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Spurious Emissions Measurements in 802.11b mode (2412-2462 MHz)
Channels 1, 6, & 11
Continuous TX at MAIN Antenna port with Compal Biathlon Antennas
Aegis Labs, Inc. File #: INTEL-051207-03

	RADIATED EMISSIONS - Horizontal Antenna Polarization													
Freq. (MHz)	Meter Reading (dBuV)	Antenna Height (cm)	Azimuth (degrees)	Quasi pk or AVG (dBuV)		1 Meter Distance Factor (dB)	Cable Factor (dB)	Ant. Factor (dB)	Corrected Reading (dBuV)	Limits (dBuV)	Diff (dB) +=FAIL			
EUT in Co	EUT in Continuous Transmit Mode on Channel 1 (2.412 GHz)													
2312.00	31.33	100	135			9.54	1.97	29.02	52.78	74.00	-21.22			
2312.00				16.03	A	9.54	1.97	29.02	37.48	54.00	-16.52			
2360.00	30.83	100	135			9.54	1.99	29.12	52.40	74.00	-21.60			
2360.00				16.57	A	9.54	1.99	29.12	38.14	54.00	-15.86			
EUT in Co	EUT in Continuous Transmit Mode on Channel 6 (2.437 GHz)													
2336.00	32.00	100	135			9.54	1.98	29.07	53.51	74.00	-20.49			
2336.00				15.81	A	9.54	1.98	29.07	37.32	54.00	-16.68			
2360.00	30.17	100	135			9.54	1.99	29.12	51.74	74.00	-22.26			
2360.00				13.61	A	9.54	1.99	29.12	35.18	54.00	-18.82			
EUT in Co	ntinuous	Transmit 1	Mode on C	hannel 11	(2.4	62 GHz)								
2280.00	31.50	100	135			9.54	1.95	28.96	52.87	74.00	-21.13			
2280.00				13.61	A	9.54	1.95	28.96	34.98	54.00	-19.02			
2358.66	32.50	100	135			9.54	1.99	29.12	54.07	74.00	-19.93			
2358.66				19.39	A	9.54	1.99	29.12	40.96	54.00	-13.04			
2360.00	33.33	100	135			9.54	1.99	29.12	54.90	74.00	-19.10			
2360.00				19.67	A	9.54	1.99	29.12	41.24	54.00	-12.76			

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		RADIA	TED EN	1ISSIO	NS -	Vertical	Anten	na Polari	zation		
Freq. (MHz)	Meter Reading (dBuV)	Antenna Height (cm)	Azimuth (degrees)	Quasi pk AVG (dB		1 Meter Distance Factor (dB)	Cable Factor (dB)	Ant. Factor (dB)	Corrected Reading (dBuV)	Limits (dBuV)	Diff (dB) +=FAIL
EUT in Co	ntinuous '	Transmit I	Mode on C	hannel 1	(2.41	2 GHz)					
2312.00	30.67	100	135			9.54	1.97	29.22	52.32	74.00	-21.68
2312.00				15.01	A	9.54	1.97	29.22	36.66	54.00	-17.34
2360.00	30.33	100	135			9.54	1.99	29.32	52.10	74.00	-21.90
2360.00				13.39	A	9.54	1.99	29.32	35.16	54.00	-18.84
EUT in Continuous Transmit Mode on Channel 6 (2.437 GHz)											
2336.00	31.33	100	135			9.54	1.98	29.27	53.04	74.00	-20.96
2336.00				15.13	A	9.54	1.98	29.27	36.84	54.00	-17.16
2360.00	30.50	100	135			9.54	1.99	29.32	52.27	74.00	-21.73
2360.00				13.58	A	9.54	1.99	29.32	35.35	54.00	-18.65
EUT in Co	ntinuous '	Transmit I	Mode on C	hannel 11	l (2. 4	62 GHz)					
2280.00	31.83	100	135			9.54	1.95	29.16	53.40	74.00	-20.60
2280.00				13.41	A	9.54	1.95	29.16	34.98	54.00	-19.02
2358.66	31.67	100	135			9.54	1.99	29.32	53.44	74.00	-20.56
2358.66				13.56	A	9.54	1.99	29.32	35.33	54.00	-18.67
2360.00	31.17	100	135			9.54	1.99	29.32	52.94	74.00	-21.06
2360.00				14.99	A	9.54	1.99	29.32	36.76	54.00	-17.24

NOTE: These spurious emissions measurements were taken without a preamp at a distance on 1 meter to avoid saturating the preamp and analyzer because the signals were close to the fundamental frequency. The readings were extrapolated to 3 meters.

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Spurious Emissions Measurements in802.11b mode (2412-2462 MHz)
Channels 1, 6, & 11
Continuous TX at MAIN Antenna port with Compal Biathlon Antennas
Aegis Labs, Inc. File #: INTEL-051207-04

	RADIATED EMISSIONS - Horizontal Antenna Polarization													
Freq. (MHz)	Meter Reading (dBuV)	Antenna Height (cm)	Azimuth (degrees)	Quasi pk AVG (dB		Preamp Factor (dB)	Cable Factor (dB)	Ant. Factor (dB)	Corrected Reading (dBuV)	Limits (dBuV)	Diff (dB) +=FAIL			
EUT in Co	ntinuous	Transmit 1	Mode on C	hannel 1	(2.41	2 GHz)								
3216.00	53.67	100	225			46.82	3.51	30.98	41.34	87.08	-45.74			
4824.00	59.17	100	180			46.57	4.35	34.10	51.06	74.00	-22.94			
4824.00				54.10	A	46.57	4.35	34.10	45.99	54.00	-8.01			
6432.00	56.33	100	135			46.54	5.03	35.37	50.19	87.08	-36.89			
9648.01	52.50	100	135			44.78	6.19	38.11	52.01	87.08	-35.07			
EUT in Co	EUT in Continuous Transmit Mode on Channel 6 (2.437 GHz)													
3249.32	53.67	100	225			46.82	3.53	31.05	41.43	88.64	-47.21			
4873.99	53.67	100	225			46.57	4.37	34.27	45.74	74.00	-28.26			
4873.99				44.50	A	46.57	4.37	34.27	36.57	54.00	-17.43			
6498.64	58.67	100	135			46.51	5.06	35.40	52.62	88.64	-36.02			
9747.96	51.67	100	135			44.80	6.23	38.25	51.34	88.64	-37.30			
EUT in Co	ntinuous	Transmit 1	Mode on C	hannel 11	(2.4	62 GHz)								
3282.66	53.83	100	225			46.82	3.55	31.12	41.67	89.55	-47.88			
4924.00	57.33	100	135			46.58	4.40	34.44	49.59	74.00	-24.41			
4924.00				50.44	A	46.58	4.40	34.44	42.70	54.00	-11.30			
6565.32	57.17	100	135			46.47	5.08	35.62	51.41	89.55	-38.14			
9848.01	53.33	100	135			44.83	6.27	38.39	53.16	89.55	-36.39			

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	RADIATED EMISSIONS - Vertical Antenna Polarization												
Freq. (MHz)	Meter Reading (dBuV)	Antenna Height (cm)	Azimuth (degrees)	Quasi pk AVG (dB		Preamp Factor (dB)	Cable Factor (dB)	Ant. Factor (dB)	Corrected Reading (dBuV)	Limits (dBuV)	Diff(dB) +=FAIL		
EUT in Co	ntinuous	Transmit 1	Mode on C	hannel 1	(2.41	2 GHz)							
3216.00	51.17	100	135			46.82	3.51	31.09	38.95	82.62	-43.67		
4824.01	58.17	100	135			46.57	4.35	34.07	50.03	74.00	-23.97		
4824.01				52.46	A	46.57	4.35	34.07	44.32	54.00	-9.68		
6432.00	57.67	100	135			46.54	5.03	35.35	51.51	82.62	-31.11		
9648.01	50.50	100	135			44.78	6.19	38.17	50.07	82.62	-32.55		
EUT in Co	ntinuous	Transmit 1	Mode on C	hannel 6	(2.43	7 GHz)							
3249.32	53.83	100	135			46.82	3.53	31.15	41.69	84.34	-42.65		
4873.99	55.67	100	135			46.57	4.37	34.22	47.69	74.00	-26.31		
4873.99				47.24	A	46.57	4.37	34.22	39.26	54.00	-14.74		
6498.64	58.17	100	135			46.51	5.06	35.40	52.12	84.34	-32.22		
9747.96	50.17	100	135			44.80	6.23	38.35	49.94	84.34	-34.40		
EUT in Co	ntinuous	Transmit 1	Mode on C	hannel 11	(2.4	62 GHz)							
3282.66	55.00	100	135			46.82	3.55	31.21	42.93	84.91	-41.98		
4924.00	56.17	100	135			46.58	4.40	34.37	48.36	74.00	-25.64		
4924.00				49.18	A	46.58	4.40	34.37	41.37	54.00	-12.63		
6565.32	57.17	100	135			46.47	5.08	35.60	51.38	84.91	-33.53		
9848.01	52.00	100	135			44.83	6.27	38.53	51.97	84.91	-32.94		

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Spurious Emissions Measurements in in802.11b mode (2412-2462 MHz)
Channels 1, 6, & 11
Continuous RX at MAIN Antenna port with Compal Biathlon Antennas
Aegis Labs, Inc. File #: INTEL-051207-04

	RADIATED EMISSIONS - Horizontal Antenna Polarization											
Freq. (MHz)	Meter Reading (dBuV)	Antenna Height (cm)	Azimuth (degrees)	Quasi pk AVG (dBi		Preamp Factor (dB)	Cable Factor (dB)	Ant. Factor (dB)	Corrected Reading (dBuV)	Limits (dBuV)	Diff (dB) +=FAIL	
EUT in C	Continuous	Receive I	Mode on C	hannel 1	(2.4)	12 GHz)						
3216.02	58.00	100	225			46.82	3.51	30.98	45.67	74.00	-28.33	
3216.02				51.86	A	46.82	3.51	30.98	39.53	54.00	-14.47	
6432.00	59.17	100	135			46.54	5.03	35.37	53.03	74.00	-20.97	
6432.00				54.71	A	46.54	5.03	35.37	48.57	54.00	-5.43	
9648.00	51.33	100	135			44.78	6.19	38.11	50.84	74.00	-23.16	
9648.00				41.40	A	44.78	6.19	38.11	40.91	54.00	-13.09	
EUT in C	Continuous	Receive I	Mode on C	Channel 6	(2.43	37 GHz)						
3249.32	57.83	100	135			46.82	3.53	31.05	45.59	74.00	-28.41	
3249.32				51.73	A	46.82	3.53	31.05	39.49	54.00	-14.51	
6498.64	60.83	125	135			46.51	5.06	35.40	54.78	74.00	-19.22	
6498.64				56.64	A	46.51	5.06	35.40	50.59	54.00	-3.41	
9747.96	51.83	100	135			44.80	6.23	38.25	51.50	74.00	-22.50	
9747.96				42.92	A	44.80	6.23	38.25	42.59	54.00	-11.41	
EUT in C	Continuous	Receive I	Mode on C	hannel 11	(2.4	462 GHz)						
3282.66	58.17	100	225			46.82	3.55	31.12	46.01	74.00	-27.99	
3282.66				51.23	A	46.82	3.55	31.12	39.07	54.00	-14.93	
6565.32	59.67	100	135			46.47	5.08	35.62	53.91	74.00	-20.09	
6565.32				55.52	A	46.47	5.08	35.62	49.76	54.00	-4.24	
9847.98	52.00	100	135			44.83	6.27	38.39	51.83	74.00	-22.17	
9847.98				42.39	A	44.83	6.27	38.39	42.22	54.00	-11.78	

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	RADIATED EMISSIONS - Vertical Antenna Polarization												
Freq. (MHz)	Meter Reading (dBuV)	Antenna Height (cm)	Azimuth (degrees)	Quasi pk AVG (dBt		Preamp Factor (dB)	Cable Factor (dB)	Ant. Factor (dB)	Corrected Reading (dBuV)	Limits (dBuV)	Diff (dB) +=FAIL		
EUT in C	Continuous	Receive 1	Mode on C	hannel 1	(2.4)	12 GHz)							
3216.00	58.83	100	180			46.82	3.51	31.09	46.61	74.00	-27.39		
3216.00				46.07	A	46.82	3.51	31.09	33.85	54.00	-20.15		
6432.00	57.67	100	135			46.54	5.03	35.35	51.51	74.00	-22.49		
6432.00				52.66	A	46.54	5.03	35.35	46.50	54.00	-7.50		
9648.00	50.33	100	135			44.78	6.19	38.17	49.90	74.00	-24.10		
9648.00				39.18	A	44.78	6.19	38.17	38.75	54.00	-15.25		
EUT in C	Continuous	s Receive 1	Mode on C	hannel 6	(2.43	37 GHz)							
3249.32	55.00	100	135			46.82	3.53	31.15	42.86	74.00	-31.14		
3249.32				45.67	A	46.82	3.53	31.15	33.53	54.00	-20.47		
6498.64	58.50	100	135			46.51	5.06	35.40	52.45	74.00	-21.55		
6498.64				54.25	A	46.51	5.06	35.40	48.20	54.00	-5.80		
9747.96	50.33	100	135			44.80	6.23	38.35	50.10	74.00	-23.90		
9747.96				38.71	A	44.80	6.23	38.35	38.48	54.00	-15.52		
EUT in C	Continuous	s Receive 1	Mode on C	hannel 11	1 (2.4	462 GHz)							
3282.67	54.33	100	135			46.82	3.55	31.21	42.26	74.00	-31.74		
3282.67				45.33	A	46.82	3.55	31.21	33.26	54.00	-20.74		
6565.32	55.17	100	135			46.47	5.08	35.60	49.38	74.00	-24.62		
6565.32				48.67	A	46.47	5.08	35.60	42.88	54.00	-11.12		
9847.98	50.33	100	135			44.83	6.27	38.53	50.30	74.00	-23.70		
9847.98				39.43	A	44.83	6.27	38.53	39.40	54.00	-14.60		

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CLIENT:	Intel Corporation	DATE:	12/14/05
EUT:	Intel PRO/Wireless 2915ABG Network Connection	PROJECT NUMBER:	INTEL-051207
MODEL NUMBER:	WM3B2915ABG	TEST ENGINEER:	BM/RJ
SERIAL NUMBER:	07E65185BTC88891005	SITE #:	2
CONFIGURATION:	Tested installed in the host computer's	TEMPERATURE:	9 C
	mini PCI slot in 802.11g (2412-2462 MHz) mode with the Compal Biathlon	HUMIDITY:	86% RH
	Antennas	TIME:	9:00 PM

Standard:	FCC CFR 47, Part 15.247(c)
Description:	Radiated emissions, which fall in the restricted bands, as defined in Sec. 15.205(a), must also comply with the radiated emission limits specified in Sec. 15.209(a). All others must be < -20dBc.
Results:	Passes (See Data Sheets)

		Unwanted Spurious Emissions L	imits
Frequency (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m) (Emissions in the restricted bands)	Field Strength (dBm/MHz) (Emissions outside the restricted bands)
Above 960	500	54.00 (Average) 74.00 (Peak)	<-20 dBc

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Fundamental Measurements in **802.11g mode (2412-2462 MHz)**Channels 1, 6, & 11

Continuous TX at MAIN Antenna port with Compal Biathlon Antennas
Aegis Labs, Inc. File #: INTEL-051207-02

	RADIATED EMISSIONS - Horizontal Antenna Polarization													
Freq. (MHz)	Meter Reading (dBuV)	Antenna Height (cm)	Azimuth (degrees)	Quasi pk AVG (dBu		Preamp Factor (dB)	Cable Factor (dB)	Ant. Factor (dB)	Corrected Reading (dBuV)	Limits (dBuV)	Diff (dB) +=FAIL			
2412.00	76.67	100	135				3.02	29.22	108.92					
2412.00				65.49	A		3.02	29.22	97.74					
2437.00	77.00	100	135				3.04	29.27	109.31					
2437.00				65.66	A		3.04	29.27	97.97					
2462.00	72.17	100	135				3.06	29.32	104.55					
2462.00				61.26	A		3.06	29.32	93.64					

	RADIATED EMISSIONS – Vertical Antenna Polarization												
Freq. (MHz)	Meter Reading (dBuV)	Antenna Height (cm)	Azimuth (degrees)	Quasi pk AVG (dBu		Preamp Factor (dB)	Cable Factor (dB)	Ant. Factor (dB)	Corrected Reading (dBuV)	Limits (dBuV)	Diff (dB) +=FAIL		
2412.00	72.50	125	270				3.02	29.42	104.95				
2412.00				61.54	A		3.02	29.42	93.99				
2437.00	71.50	100	270				3.04	29.47	104.01				
2437.00				60.13	A		3.04	29.47	92.64				
2462.00	78.00	100	270				3.06	29.52	110.58				
2462.00				66.07	A		3.06	29.52	98.65				

NOTE: Fundamental signals measured to calculate the band edge field strengths using the "Marker Delta Method".

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Band Edge Field Strength Measurements in **802.11g mode (2412-2462 MHz)**Channels 1, 6, & 11

Continuous TX at MAIN Antenna port with Compal Biathlon Antennas
Aegis Labs, Inc. File #: INTEL-051207-02

	RADIATED EMISSIONS - Horizontal Antenna Polarization													
Freq. (MHz)	Meter Reading (dBuV)	Antenna Height (cm)	Azimuth (degrees)	Quasi pk or AVG (dBuV)	Preamp Factor (dB)	Cable Factor (dB)	Ant. Factor (dB)	Corrected Reading (dBuV)	Limits (dBuV)	Diff (dB) +=FAIL				
2390.00								62.58	74.00	-11.42				
2390.00				A				47.07	54.00	-6.93				
2400.00	53.00	100	135			3.02	29.20	85.22	88.92	-3.70				
2483.50								60.05	74.00	-13.95				
2483.50				A				42.64	54.00	-11.36				

	RADIATED EMISSIONS - Vertical Antenna Polarization													
Freq. (MHz)	Meter Reading	Antenna Height	Azimuth (degrees)	Quasi pk or AVG (dBuV)	Preamp Factor	Cable Factor	Ant. Factor	Corrected Reading	Limits (dBuV)	Diff(dB) + =FAIL				
2222	(dBuV)	(cm)			(dB)	(dB)	(dB)	(dBuV)		15.00				
2390.00								58.61	74.00	-15.39				
2390.00				A				43.32	54.00	-10.68				
2400.00	48.50	100	270			3.02	29.40	80.92	84.95	-4.03				
2483.50								66.08	74.00	-7.92				
2483.50				A				47.65	54.00	-6.35				

NOTE: The "Band Edge Field Strength" was calculated using the "Fundamental" and "Conducted Band Edge" measurements per the "Marker-Delta Method" with the following formula:

 $BE = Fm - \Lambda m$

Where

BE = Band Edge Field Strength

Fm = Measured Fundamental (Peak or Average)

 Δm = Measured Conducted Band Edge Delta (Peak or Average)

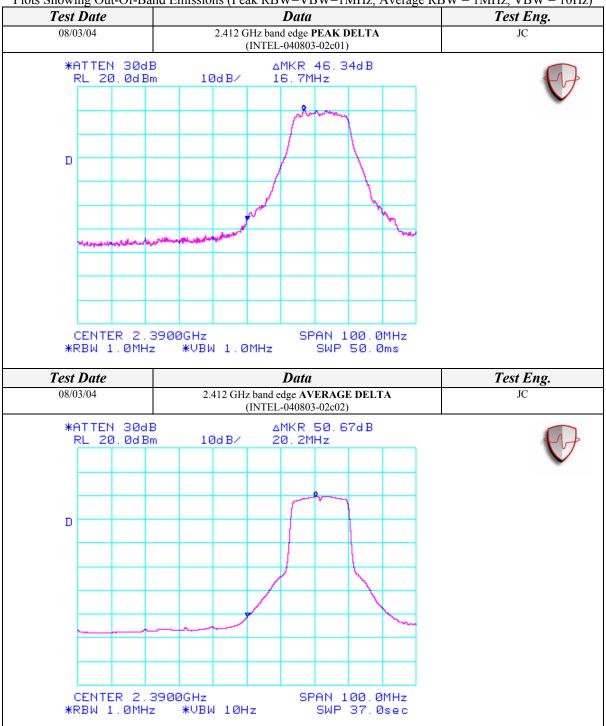
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AEGIS LABS INC

Spurious Radiated Emissions Test Results (Continued)

Plots Showing Out-Of-Band Emissions (Peak RBW=VBW=1MHz; Average RBW = 1MHz, VBW = 10Hz)



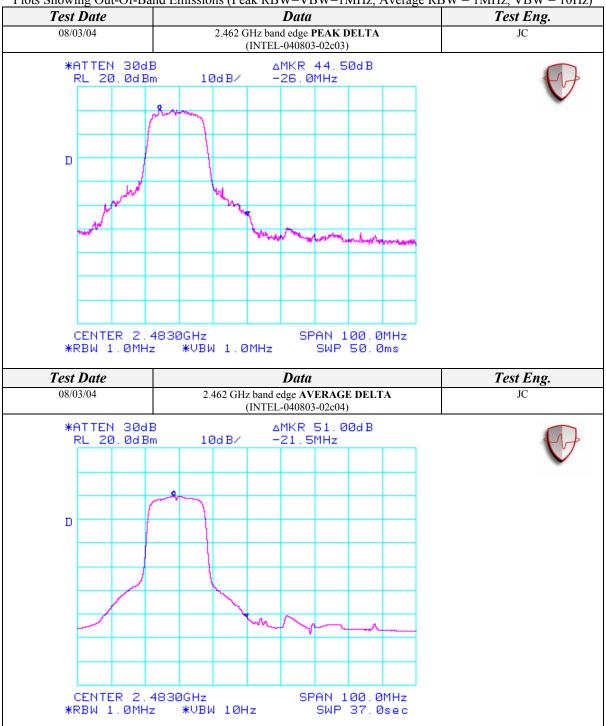
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AEGIS LABS INC

Spurious Radiated Emissions Test Results (Continued)

Plots Showing Out-Of-Band Emissions (Peak RBW=VBW=1MHz; Average RBW = 1MHz, VBW = 10Hz)



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Spurious Emissions Measurements in 802.11g mode (2412-2462 MHz)
Channels 1, 6, & 11
Continuous TX at MAIN Antenna port with Compal Biathlon Antennas
Aegis Labs, Inc. File #: INTEL-051207-03

		RADIA	TED EM	ISSION	S - 1	Horizont	al Ante	nna Pola	rization			
Freq. (MHz)	Meter Reading (dBuV)	Antenna Height (cm)	Azimuth (degrees)	Quasi pk AVG (dB		1 Meter Distance Factor (dB)	Cable Factor (dB)	Ant. Factor (dB)	Corrected Reading (dBuV)	Limits (dBuV)	Diff (dB) +=FAIL	
EUT in Co	EUT in Continuous Transmit Mode on Channel 1 (2.412 GHz)											
2280.00	31.33	100	135			9.54	1.95	28.96	52.70	74.00	-21.30	
2280.00				14.69	A	9.54	1.95	28.96	36.06	54.00	-17.94	
2312.00	33.33	100	135			9.54	1.97	29.02	54.78	74.00	-19.22	
2312.00				23.86	A	9.54	1.97	29.02	45.31	54.00	-8.69	
2360.00	32.33	100	135			9.54	1.99	29.12	53.90	74.00	-20.10	
2360.00				17.32	A	9.54	1.99	29.12	38.89	54.00	-15.11	
EUT in Co	ntinuous	Transmit 1	Mode on C	hannel 6	(2.43	7 GHz)						
2280.00	30.83	100	135			9.54	1.95	28.96	52.20	74.00	-21.80	
2280.00				13.80	A	9.54	1.95	28.96	35.17	54.00	-18.83	
2336.00	34.67	100	135			9.54	1.98	29.07	56.18	74.00	-17.82	
2336.00				26.35	A	9.54	1.98	29.07	47.86	54.00	-6.14	
2360.00	31.50	100	135			9.54	1.99	29.12	53.07	74.00	-20.93	
2360.00				17.76	A	9.54	1.99	29.12	39.33	54.00	-14.67	
EUT in Co	ntinuous	Transmit 1	Mode on C	hannel 11	1 (2.4	62 GHz)						
2358.66	34.67	100	135			9.54	1.99	29.12	56.24	74.00	-17.76	
2358.66				25.62	A	9.54	1.99	29.12	47.19	54.00	-6.81	
2360.00	35.00	100	135			9.54	1.99	29.12	56.57	74.00	-17.43	
2360.00				25.81	A	9.54	1.99	29.12	47.38	54.00	-6.62	

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RADIATED EMISSIONS - Vertical Antenna Polarization												
Freq. (MHz)	Meter Reading (dBuV)	Antenna Height (cm)	Azimuth (degrees)	Quasi pk AVG (dB		1 Meter Distance Factor (dB)	Cable Factor (dB)	Ant. Factor (dB)	Corrected Reading (dBuV)	Limits (dBuV)	Diff (dB) +=FAIL	
EUT in Co	ntinuous '	Transmit I	Mode on C	hannel 1	(2.41	2 GHz)						
2280.00	31.17	100	225			9.54	1.95	29.16	52.74	74.00	-21.26	
2280.00				13.54	A	9.54	1.95	29.16	35.11	54.00	-18.89	
2312.00	32.50	100	225			9.54	1.97	29.22	54.15	74.00	-19.85	
2312.00				19.53	A	9.54	1.97	29.22	41.18	54.00	-12.82	
2360.00	31.00	100	225			9.54	1.99	29.32	52.77	74.00	-21.23	
2360.00				14.93	A	9.54	1.99	29.32	36.70	54.00	-17.30	
EUT in Co	EUT in Continuous Transmit Mode on Channel 6 (2.437 GHz)											
2280.00	31.33	100	225			9.54	1.95	29.16	52.90	74.00	-21.10	
2280.00				14.29	A	9.54	1.95	29.16	35.86	54.00	-18.14	
2336.00	33.17	100	225			9.54	1.98	29.27	54.88	74.00	-19.12	
2336.00				22.71	A	9.54	1.98	29.27	44.42	54.00	-9.58	
2360.00	31.50	100	225			9.54	1.99	29.32	53.27	74.00	-20.73	
2360.00				14.23	A	9.54	1.99	29.32	36.00	54.00	-18.00	
EUT in Co	ntinuous '	Transmit 1	Mode on C	hannel 11	(2.4	62 GHz)						
2358.66	32.83	100	225			9.54	1.99	29.32	54.60	74.00	-19.40	
2358.66				21.18	A	9.54	1.99	29.32	42.95	54.00	-11.05	
2360.00	33.33	100	225			9.54	1.99	29.32	55.10	74.00	-18.90	
2360.00				21.59	A	9.54	1.99	29.32	43.36	54.00	-10.64	

NOTE: These spurious emissions measurements were taken without a preamp at a distance on 1 meter to avoid saturating the preamp and analyzer because the signals were close to the fundamental frequency. The readings were extrapolated to 3 meters.

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Spurious Emissions Measurements in **802.11g mode (2412-2462 MHz)**Channels 1, 6, & 11

Continuous TX at MAIN Antenna port with Compal Biathlon Antennas
Aegis Labs, Inc. File #: INTEL-051207-04

	RADIATED EMISSIONS - Horizontal Antenna Polarization												
Freq. (MHz)	Meter Reading (dBuV)	Antenna Height (cm)	Azimuth (degrees)	Quasi pk or AVG (dBuV)		Preamp Factor (dB)	Cable Factor (dB)	Ant. Factor (dB)	Corrected Reading (dBuV)	Limits (dBuV)	Diff (dB) +=FAIL		
EUT in Continuous Transmit Mode on Channel 1 (2.412 GHz)													
3216.00	57.00	100	225			46.82	3.51	30.98	44.67	88.92	-44.25		
4824.00	59.33	100	135			46.57	4.35	34.10	51.22	74.00	-22.78		
4824.00				46.07	A	46.57	4.35	34.10	37.96	54.00	-16.04		
6432.00	56.17	100	135			46.54	5.03	35.37	50.03	88.92	-38.89		
9648.01	51.67	100	135			44.78	6.19	38.11	51.18	88.92	-37.74		
EUT in Co	ntinuous	Transmit l	Mode on C	hannel 6	(2.43	7 GHz)							
3249.32	55.33	100	225			46.82	3.53	31.05	43.09	89.31	-46.22		
6498.64	57.67	100	135			46.51	5.06	35.40	51.62	89.31	-37.69		
9747.96	52.00	100	135			44.80	6.23	38.25	51.67	89.31	-37.64		
EUT in Co	ntinuous	Transmit l	Mode on C	hannel 11	1 (2.4	62 GHz)							
3282.66	57.50	100	135			46.82	3.55	31.12	45.34	84.55	-39.21		
6565.32	58.33	100	135			46.47	5.08	35.62	52.57	84.55	-31.98		
9848.01	52.67	100	135			44.83	6.27	38.39	52.50	84.55	-32.05		

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	RADIATED EMISSIONS - Vertical Antenna Polarization											
Freq. (MHz)	Meter Reading (dBuV)	Antenna Height (cm)	Azimuth (degrees)	Quasi pk or AVG (dBuV)		Preamp Factor (dB)	Cable Factor (dB)	Ant. Factor (dB)	Corrected Reading (dBuV)	Limits (dBuV)	Diff (dB) +=FAIL	
EUT in Continuous Transmit Mode on Channel 1 (2.412 GHz)												
3216.00	52.50	100	135			46.82	3.51	31.09	40.28	84.95	-44.67	
4824.00	59.33	100	135			46.57	4.35	34.07	51.19	74.00	-22.81	
4824.00				45.60	A	46.57	4.35	34.07	37.46	54.00	-16.54	
6432.00	57.67	100	135			46.54	5.03	35.35	51.51	84.95	-33.44	
9648.01	50.83	100	135			44.78	6.19	38.17	50.40	84.95	-34.55	
EUT in Co	ntinuous	Transmit 1	Mode on C	hannel 6	(2.43	7 GHz)						
3249.32	52.67	100	135			46.82	3.53	31.15	40.53	84.01	-43.48	
6498.64	58.00	100	135			46.51	5.06	35.40	51.95	84.01	-32.06	
9747.96	51.17	100	135			44.80	6.23	38.35	50.94	84.01	-33.07	
EUT in Co	ntinuous	Transmit 1	Mode on C	hannel 11	(2.4	62 GHz)						
3282.66	54.17	100	135			46.82	3.55	31.21	42.10	90.58	-48.48	
6565.32	57.33	100	135			46.47	5.08	35.60	51.54	90.58	-39.04	
9848.01	52.00	100	135			44.83	6.27	38.53	51.97	90.58	-38.61	

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Spurious Emissions Measurements in **802.11g mode (2412-2462 MHz)**Channels 1, 6, & 11

Continuous RX at MAIN Antenna port with Compal Biathlon Antennas
Aegis Labs, Inc. File #: INTEL-051207-04

	RADIATED EMISSIONS - Horizontal Antenna Polarization										
Freq. (MHz)	Meter Reading (dBuV)	Antenna Height (cm)	Azimuth (degrees)	Quasi pk AVG (dBa		Preamp Factor (dB)	Cable Factor (dB)	Ant. Factor (dB)	Corrected Reading (dBuV)	Limits (dBuV)	Diff (dB) +=FAIL
EUT in C	Continuous	Receive 1	Mode on C	hannel 1	(2.4	12 GHz)					
3216.00	57.50	100	225			46.82	3.51	30.98	45.17	74.00	-28.83
3216.00				52.01	A	46.82	3.51	30.98	39.68	54.00	-14.32
6432.00	59.50	100	135			46.54	5.03	35.37	53.36	74.00	-20.64
6432.00				54.69	A	46.54	5.03	35.37	48.55	54.00	-5.45
9648.00	51.33	100	135			44.78	6.19	38.11	50.84	74.00	-23.16
9648.00				41.29	A	44.78	6.19	38.11	40.80	54.00	-13.20
EUT in C	EUT in Continuous Receive Mode on Channel 6 (2.437 GHz)										
3249.32	53.33	100	225			46.82	3.53	31.05	41.09	74.00	-32.91
3249.32				46.40	A	46.82	3.53	31.05	34.16	54.00	-19.84
6498.64	59.89	100	135			46.51	5.06	35.40	53.84	74.00	-20.16
6498.64				56.20	A	46.51	5.06	35.40	50.15	54.00	-3.85
9747.96	54.17	100	135			44.80	6.23	38.25	53.84	74.00	-20.16
9747.96				42.22	A	44.80	6.23	38.25	41.89	54.00	-12.11
EUT in (Continuous	s Receive	Mode on C	hannel 1	1 (2.4	462 GHz)					
3282.66	57.50	125	225			46.82	3.55	31.12	45.34	74.00	-28.66
3282.66				51.96	A	46.82	3.55	31.12	39.80	54.00	-14.20
6565.32	58.33	100	135			46.47	5.08	35.62	52.57	74.00	-21.43
6565.32				53.37	A	46.47	5.08	35.62	47.61	54.00	-6.39
9847.98	54.00	100	135			44.83	6.27	38.39	53.83	74.00	-20.17
9847.98				42.68	A	44.83	6.27	38.39	42.51	54.00	-11.49

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	RADIATED EMISSIONS - Vertical Antenna Polarization										
Freq. (MHz)	Meter Reading (dBuV)	Antenna Height (cm)	Azimuth (degrees)	Quasi pk AVG (dBt		Preamp Factor (dB)	Cable Factor (dB)	Ant. Factor (dB)	Corrected Reading (dBuV)	Limits (dBuV)	Diff (dB) +=FAIL
EUT in C	EUT in Continuous Receive Mode on Channel 1 (2.412 GHz)										
3216.00	56.17	125	180			46.82	3.51	31.09	43.95	74.00	-30.05
3216.00				48.13	A	46.82	3.51	31.09	35.91	54.00	-18.09
6432.00	58.00	100	135			46.54	5.03	35.35	51.84	74.00	-22.16
6432.00				52.75	A	46.54	5.03	35.35	46.59	54.00	-7.41
9648.00	50.83	100	135			44.78	6.19	38.17	50.40	74.00	-23.60
9648.00				36.32	A	44.78	6.19	38.17	35.89	54.00	-18.11
EUT in C	EUT in Continuous Receive Mode on Channel 6 (2.437 GHz)										
3249.33	54.17	100	225			46.82	3.53	31.15	42.03	74.00	-31.97
3249.33				46.90	A	46.82	3.53	31.15	34.76	54.00	-19.24
6498.64	58.83	100	135			46.51	5.06	35.40	52.78	74.00	-21.22
6498.64				54.17	A	46.51	5.06	35.40	48.12	54.00	-5.88
9747.96	50.33	100	135			44.80	6.23	38.35	50.10	74.00	-23.90
9747.96				38.93	A	44.80	6.23	38.35	38.70	54.00	-15.30
EUT in C	Continuou	s Receive 1	Mode on C	hannel 11	1 (2.4	462 GHz)					
3282.67	55.00	100	135			46.82	3.55	31.21	42.93	74.00	-31.07
3282.67				46.10	A	46.82	3.55	31.21	34.03	54.00	-19.97
6565.32	56.67	100	135			46.47	5.08	35.60	50.88	74.00	-23.12
6565.32				51.09	A	46.47	5.08	35.60	45.30	54.00	-8.70
9847.98	51.00	100	135			44.83	6.27	38.53	50.97	74.00	-23.03
9847.98				40.03	A	44.83	6.27	38.53	40.00	54.00	-14.00

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PEAK TRANSMIT POWER

CLIENT:	Intel Corporation	DATE:	12/07/05
EUT:	Intel PRO/Wireless 2915ABG Network Connection	PROJECT NUMBER:	INTEL-051207
MODEL NUMBER:	WM3B2915ABG	TEST ENGINEER:	BM
SERIAL NUMBER:	07E65185BTC88891005	SITE #:	2
CONFIGURATION:	Tested installed in the host computer's	TEMPERATURE:	18 C
	mini PCI slot.	HUMIDITY:	19% RH
		TIME:	9:00 AM

Standard:	FCC CFR 47, Part 15.247(b)(3)
Description:	The maximum peak output power of the intentional radiator shall not exceed 1 watt.
Results:	See Data Sheet

Peak Transmit Power Limits								
Frequency (MHz)	Output Power (W)							
5725-5850	1							
2412-2462	1							

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Peak Transmit Power (Continued)

Mode	Channel	Frequency (MHz)	Rate (Mbps)	Average Power (dBm)	Average Power (mW)	Peak Power (dBm)	Peak Power (mW)
802.11a	149	5745	6	16.84	48.31	23.10	204.17
802.11a	157	5785	6	17.19	52.36	23.29	213.30
802.11a	165	5825	6	16.95	49.55	23.24	210.86
802.11b	1	2412	1	15.01	31.70	16.07	40.46
802.11b	6	2437	1	16.90	48.98	19.14	82.04
802.11b	11	2462	1	16.98	49.89	19.05	80.35
802.11g	1	2412	6	15.10	32.36	24.02	252.35
802.11g	6	2437	6	15.13	32.58	24.04	253.51
802.11g	11	2462	6	14.87	30.69	23.76	237.68

NOTE: The output power measurement is conducted.