

AEGIS LABS INC.

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

Pertaining To:

Equipment Under Test	FCC ID:
Latitude D400 Notebook Computer, MN: PPT	E2K5HCKT

Configuration

Tested with an Intel PRO/Wireless 2915ABG Network Connection, MN: WM3A2915ABG

With a set of Wistron NeWeb Corp. Antennas

MEASUREMENTS PERFORMED IN ACCORDANCE WITH

Regulatory Standard(s)

47 CFR Part 15, Subpart E Section 15.407 (UNII Devices)

Test Method:

ANSI C63.4: 2001 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:

Dell Computer Corporation One Dell Way Round Rock, TX 78682

Contact(s): Mr. Jason Limoges

	REPORT	APPENDICES	TOTAL
	BODY	A	PAGES
PAGES	16	37	53

PREPARED BY:

Aegis Labs, Inc. 22431 Antonio Parkway B160-417 Rancho S. Margarita, CA 92688

Agent(s): Mr. Steve Kuiper

Mr. Rick Candelas

Mr. Johnny Candelas

Test Report #: INTEL-040931F

Test Report Revision: None

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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 E of Part 15 of the FCC rules for Unlicensed National Information Infrastructure (UNII) Devices.

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.

Prepared By:

10/18/04 Date:

Rick Candelas Staff Engineer

Aegis Labs, Inc.

Report Approved By:

Steve J. Kuiper

<u>10/18/04</u> Date:

Quality Assurance Manager

Aegis Labs, Inc.

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2.0 SUMMARY OF TEST RESULTS

AEGIS LABS INC.

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.

	EMISSIONS STANDARD		
FCC Part 15 Section	Description	Results	Comments
	Operation in the 5.15-5.25 GHz Band	ì	
15.407(d)	Any UNII device shall use a transmitting antenna that is an integral part of the device.	PASSED	The antenna will be integral when installed in a notebook computer
15.407(e)	UNII devices will be restricted to indoor operations.	PASSED	Refer to "User's Manual" Exhibit
15.407(a)(1)	26dB emissions bandwidth in MHz.	N/A	5.18 GHz = 23.33 MHz
15.407(a)(1)	Peak transmit power shall not exceed the lesser of 50mW or 4dBm+10logB (where B = 26dB emissions bandwidth).	PASSED	5.18 GHz = 11.10dBm (12.88mW) 5.24 GHz = 11.50dBm (14.13mW)
15.407(a)(1)	The peak power spectral density shall not exceed 4dBm in any 1MHz band.	PASSED	5.18 GHz = -4.17dBm
15.407(a)(1)	Peak transmit power and the peak power spectral density shall be reduced by the amount in dB that the transmitting antenna exceeds 6dBi.	N/A	All antennas tested have less than 6dBi antenna gain (Please see the antenna data sheets)
15.407(b)(5) / 15.209	Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in Section 15.209.	PASSED	See Data Sheets
15.407(b)(1)	All emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of –27dBm/MHz.	PASSED	See Data Sheets
	Operation in the 5.25-5.35 GHz Band	ł	
15.407(a)(2)	26dB emissions bandwidth in MHz.	N/A	5.26 GHz = 23.17 MHz 5.32 GHz = 13.17 MHz
15.407(a)(2)	Peak transmit power shall not exceed the lesser of 250mW or 11dBm+10logB (where B = 26dB emissions bandwidth).	PASSED	5.26 GHz = 15.70dBm (37.15mW) 5.32 GHz = 15.90dBm (38.90mW)
15.407(a)(2)	The peak power spectral density shall not exceed 11dBm in any 1MHz band.	PASSED	5.26 GHz = 0.33dBm 5.32 GHz = 1.00dBm
15.407(a)(2)	Peak transmit power and the peak power spectral density shall be reduced by the amount in dB that the transmitting antenna exceeds 6dBi.	N/A	All antennas tested have less than 6dBi antenna gain (Please see the antenna data sheets)
15.407(b)(5) / 15.209	Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in Section 15.209.	PASSED	See Data Sheets
15.407(b)(2)	All emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27dBm/MHz. Must meet all applicable technical requirements for operating in the 5.15-5.25 GHz band.	PASSED	See Data Sheets

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2.0 SUMMARY OF TEST RESULTS (Continued)

EMISSIONS STANDARD					
FCC Part 15 Section	Description	Results	Comments		
	General Requirements For All Band	S			
15.407(a)(6)	The ratio of the peak excursion of the modulation envelope to the peak transmit power shall not exceed 13dB across any 1 MHz bandwidth or the emissions bandwidth whichever is less.	PASSED	5.18 GHz = 5.84 dB 5.26 GHz = 5.84 dB 5.32 GHz = 6.00 dB		
15.407(f)	Radio frequency radiation exposure requirement.	PASSED	Refer to SAR Test Report		
15.407(b) / 15.207	UNII devices using AC power line are required to comply with the conducted limits set forth in Section 15.207.	PASSED	See Data Sheets		

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3.0 ADMINISTRATIVE DATA AND TEST DESCRIPTION

DEVICE TESTED:	ITE Type: Latitude D400 Notebook Computer Model Number(s): PPT
	Serial Number: 8142Y010093260105DM000 FCC ID: E2K5HCKT
	TCC ID. E2KSTICKT
TEST DATE (S):	September 30-October 7, 2004
DATE EUT RECEIVED:	September 30, 2004
ORIGIN OF TEST SAMPLE(S):	Production Unit
RESPONSIBLE PARTY:	Dell Computer Corporation One Dell Way Round Rock, TX 78682
CLIENT CONTACT:	Mr. Jason Limoges
MANUFACTURER:	Dell Computer 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:	Latitude D400 Notebook Computer			
Model Number:	PPT tested with an Intel PRO/Wireless 2915ABG Network Connection, MN: WM3A2915ABG			
Frequency Range:	5.15-5.35 GHz			
Enclosure:	The EUT contains it's own shield made of aluminum approximately 3.5cm wide by 3.5cm deep by 2mm high.			
Transfer Rate:	6/36/52 Mbps			
Antenna Type:	Hirose U.FL-R-SMT mates with cable connector U.FL-LP-066			
Antenna Gain (See Note 2):	<u>Wistron:</u> 5 GHz = 4.09 dBi			
Transmit Output Power:	11.50 dBm (Typical) for 5.15-5.25 GHz 15.90 dBm (Typical) for 5.25-5.35 GHz 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 Latitude | D400 Notebook Computer was tested with an Intel PRO/Wireless 2915ABG Network Connection as an embedded 2.4 GHz Wireless Local Area Network Mini-PCI adapter. The Mini-PCI Type 3A form factor is designed for notebook computer systems where overall thickness must be kept to an absolute minimum and connect to antennas internal to the 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: Refer to the antenna specifications for a further description of the antennas. Antennas will be professionally installed inside the laptop computer by the laptop vendor.

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4.2 EUT Configuration

The EUT was tested with an Intel PRO/Wireless 2915ABG Network Connection installed in its mini PCI slot and was connected to a set of Wistron NeWeb Corp. triple band antennas via its main and auxiliary antenna ports. Data can be found in Appendix A.

For conducted emissions at the AC mains port and radiated emissions, the EUT was connected to a Dell monitor and Logitech mouse via its video and USB ports respectively.

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 3.2.14.0000*).



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

LIST OF EUT AND SUB-ASSEMBLIES					
Equipment Name	Manufacturer	Model Number	Serial Number		
Latitude D400 Notebook	Dell Computer		8142Y0100932		
Computer	Corporation	PPT	60105DM000		
EUT Sub-Assemblies					
Intel PRO/Wireless 2915ABG Network Connection	Intel Corporation	WM3A2915ABG	000E35344050		
Auxiliary Triple Band Antenna	Wistron NeWeb Corp.	CAB-A	N/A		
Main Triple Band Antenna	Wistron NeWeb Corp.	CAB-A	N/A		

HOST EQUIPMENT LIST					
Equipment Name Manufacturer Model Number Serial Number					
	CN-06R644-47804-34R-				
LCD Monitor	Dell	E151FPp	LATL		
Mouse	Logitech	M-BJ58	LNA22802012		

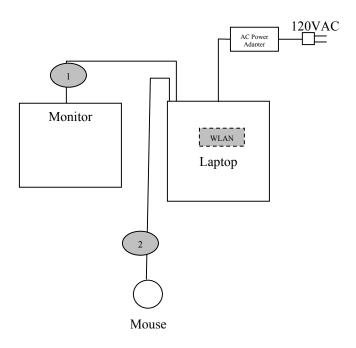
NOTE: All the power cords of the above support equipment are standard non-shielded, 1.8 meters long.

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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 Latitude | D400 Notebook Computer with the Dell LCD 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 Latitude | D400 Notebook Computer to the Logitech mouse. It has a metallic USB-B 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 C63.4-2001. 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: 2001. 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: 2001 and ANSI C63.7: 1992 guidelines. The Measurements were conducted in accordance with ANSI C63.4: 2001 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.

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

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5.4 Test and Measurement Equipment Used

	TEST EQUIPMENT USED					
Equipment Name	Manufacturer	Model Number	Serial Number	Calibration Due Date	Calibration Cycle	
EMI Receiver - RF Section	Hewlett Packard	85462A	3325A00137	03/29/05	1 Year	
EMI Receiver – RF Filter Section	Hewlett Packard	85460A	3330A00138	03/29/05	1 Year	
Attenuator - 5W-10dB	Pasternack	PE7014-10	N/A	11/03/04	1 Year	
LISN (EUT)	FCC	FCC-LISN-50-25-2	9931	02/06/05	1 Year	
LISN (Access)	Com-Power	LI-200	12019	01/25/05	1 Year	
LISN (Access)	Com-Power	LI-200	12018	01/25/05	1 Year	
Spectrum Analyzer	Agilent	8564EC	4046A00387	02/06/06	2 Years	
Preamplifier	Miteq	JS42-01001800-25- 10P	815980 & 884968 & 885090	12/09/04	2 Years	
2400-2483.5 MHz Notch Filter	Micro-Tronics	BRM50702-02	003	04/21/06	2 Years	
5725-5850 MHz Notch Filter	Microwave Circuits, Inc.	N0257881	3173-01	06/27/05	2 Years	
Antenna - Biconical	EMCO	3110	9108-1421	02/11/05	1 Year	
Antenna - Log Periodic	EMCO	3148	4947	02/11/05	1 Year	
1-18 GHz Antenna - Horn	Com-Power	AH-118	10069	12/09/04	2 Years	
18-26.5 GHz Preamplified Antenna – Horn	Custom Microwave	H042	001	11/04/04	1 Year	
26.5-40 GHz Preamplified Antenna – Horn	Custom Microwave	H028	GM1260-10	11/04/04	1 Year	
Power Meter	Anritsu	ML2487A	6K00001785	04/05/05	2 Years	
Wide Bandwidth Sensor	Anritsu	MA2491A	31193	04/05/05	2 Years	

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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:

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

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7.0 MODIFICATIONS AND RECOMMENDATIONS

No modifications were made to the EUT.

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APPENDIX A

TEST DATA

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AC POWER LINE CONDUCTED EMISSIONS TEST RESULTS

CLIENT:	Dell Computer Corporation	DATE:	10/07/04
EUT:	Latitude D400 Notebook Computer	PROJECT NUMBER:	INTEL-040930-11
MODEL NUMBER:	PPT	TEST ENGINEER:	RC
SERIAL NUMBER:	8142Y010093260105DM000	SITE #:	2
CONFIGURATION:	Tested with an Intel PRO/Wireless	TEMPERATURE:	18 C
	2915ABG Network Connection installed in its mini PCI slot and connected to a set of	HUMIDITY:	38% RH
	Wistron NeWeb Corp. antennas.	TIME:	4:00 PM

Standard:	FCC CFR 47, Part 15.207					
Description:	AC Power Line Conducted Emissions					
Results:	Passes the conducted limits by -2.24@ 0.1521 MHz					

Conducted Limits					
Frequency (MHz)	Quasi-Peak Limit (dBuV)	Average Limit (dBuV)			
0.15-0.5	66 to 56*	56 to 46*			
0.5-5	56	46			
5-30	60	50			

^{*}Decreases with the logarithm of the frequency.

NOTE: During preliminary scans, there wasn't any difference which channel or data rate was used with the EUT; therefore only Channel 1 at a data rate of 1 Mbps was used for final testing. Also, the scan was only done with the Wistron set of antennas.

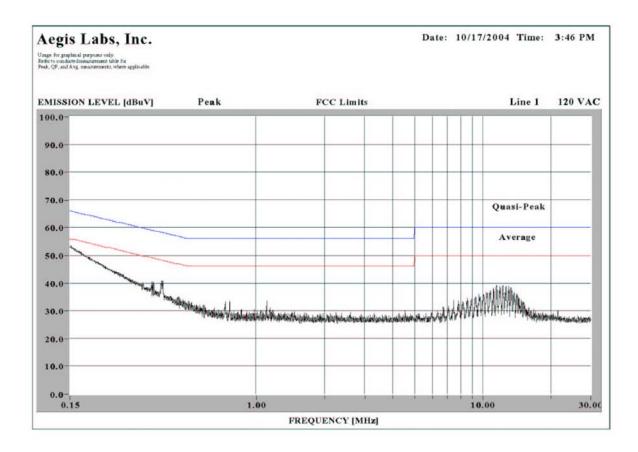
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AC Power Line Conducted Emissions Test Results (Continued)

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	CONDUCTED EMISSIONS – LINE 1									
Freq. (MHz)	Meter Reading (dBuV)	Detector (PK/QP/AV)	Average Limit (dBuV)	Average Delta (dB)	Quasi-Peak Limit (dBuV)	Quasi-Peak Delta (dB)				
0.1521	52.90	PK	55.94	-3.04	65.94	-13.04				
0.1650	52.50	PK	55.57	-3.07	65.57	-13.07				
0.1902	49.80	PK	54.85	-5.05	64.85	-15.05				
0.2412	46.40	PK	53.39	-6.99	63.39	-16.99				
5.0600	36.40	PK	50.00	-13.60	60.00	-23.60				
13.4450	40.70	PK	50.00	-9.30	60.00	-19.30				



RBW = 100 kHz, VBW = 100 kHz

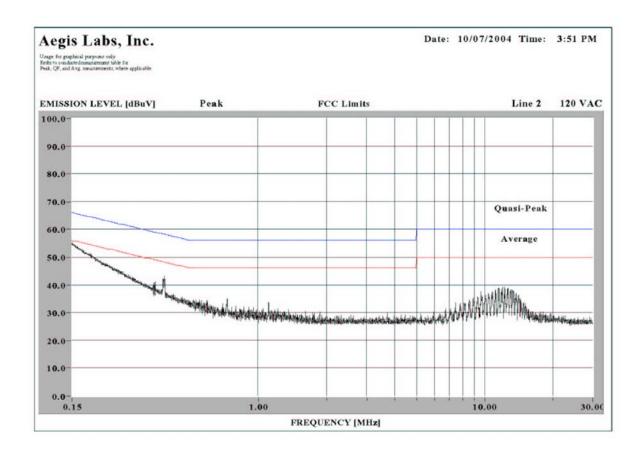
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AC Power Line Conducted Emissions Test Results (Continued)

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	CONDUCTED EMISSIONS - LINE 2									
Freq. (MHz)	Meter Reading (dBuV)	Detector (PK/QP/AV)	Average Limit (dBuV)	Average Delta (dB)	Quasi-Peak Limit (dBuV)	Quasi-Peak Delta (dB)				
0.1521	53.70	PK	55.94	-2.24	65.94	-12.24				
0.1650	52.40	PK	55.57	-3.17	65.57	-13.17				
0.1803	51.30	PK	55.13	-3.83	65.13	-13.83				
0.2028	49.30	PK	54.49	-5.19	64.49	-15.19				
1.1150	33.90	PK	46.00	-12.10	56.00	-22.10				
11.8600	39.60	PK	50.00	-10.40	60.00	-20.40				



RBW = 100 kHz, VBW = 100 kHz

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SPURIOUS RADIATED EMISSIONS TEST RESULTS

CLIENT:	Dell Computer Corporation	DATE:	10/07/04
EUT:	Latitude D400 Notebook Computer	PROJECT NUMBER:	INTEL-040930-10
MODEL NUMBER:	PPT	TEST ENGINEER:	Rick Candelas
SERIAL NUMBER:	8142Y010093260105DM000	SITE #:	2
CONFIGURATION:	Tested with an Intel PRO/Wireless	TEMPERATURE:	15 C
	2915ABG Network Connection installed in its mini PCI slot and connected to a set of	HUMIDITY:	34% RH
	Wistron NeWeb Corp. antennas.		11:30 AM

Standard:	FCC Pt. 15.209
Description:	Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in Sec. 15.209.
Results:	Passes the radiated limits by -6.33@ 60.50 MHz (Vertical antenna polarization)

Radiated Limits					
Frequency (MHz)	Quasi-Peak Limit (dBuV) @ 10m				
30-88	40				
88-216	43.5				
216-960	46				
960-1000	54				

NOTE 1: During preliminary scans, there wasn't any difference which channel or data rate was used with the EUT; therefore only Channel 1 at a data rate of 1 Mbps was used for final testing. Also, the scan was only done with the Wistron set of antennas.

NOTE 2: RBW/VBW = 1 MHz

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	RADIATED EMISSIONS - Horizontal Antenna Polarization											
Freq. (MHz)	Meter Reading (dBuV)	Antenna Height (cm)	Azimuth (degrees)	Peak, Qu or AV (dBu	G	Preamp Factor (dB)	Cable Factor (dB)	Ant. Factor (dB)	10 Meter Distance Factor (dB)	Corrected Reading (dBuV)	Limits (dBuV)	Diff (dB) +=FAIL
60.13	34.90	300	180		PK	34.40	1.20	8.38	10.46	20.54	40.00	-19.46
129.67	35.30	400	135		PK	34.35	1.93	14.27	10.46	27.61	43.50	-15.89
144.38	43.00	400	90	40.12	QP	34.32	2.00	14.92	10.46	33.17	43.50	-10.33
336.05	35.20	250	90		PK	34.10	3.22	15.06	10.46	29.84	46.00	-16.16
364.85	35.70	250	135		PK	34.06	3.36	15.11	10.46	30.57	46.00	-15.43
388.73	46.00	200	270	41.56	QP	34.03	3.45	15.13	10.46	36.57	46.00	-9.43
	RADIATED EMISSIONS - Vertical Antenna Polarization											
Freq. (MHz)	Meter Reading (dBuV)	Antenna Height (cm)	Azimuth (degrees)	Peak, Qu or AV (dBu	G	Preamp Factor (dB)	Cable Factor (dB)	Ant. Factor (dB)	10 Meter Distance Factor (dB)	Corrected Reading (dBuV)	Limits (dBuV)	Diff (dB) +=FAIL
60.50						1 / /	1 ()	(0.2)	1	()		
	47.80	100	180		PK	34.40	1.21	8.60	10.46	33.67	40.00	-6.33
129.11	47.80	100	180 135		PK PK						40.00	-6.33 -9.13
129.11				40.33		34.40	1.21	8.60	10.46	33.67		
	43.80	100	135	40.33	PK	34.40	1.21	8.60 12.54	10.46	33.67 34.37	43.50	-9.13
143.90	43.80	100	90	40.33	PK QP	34.40 34.35 34.33	1.21 1.92 2.00	8.60 12.54 14.39	10.46 10.46 10.46	33.67 34.37 32.85	43.50	-9.13 -10.65

NOTE: The measurements were taken at 10 meters and extrapolated to 3 meters.

NOTE 2: The measurements are Peak readings unless otherwise specified.

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Report Number: INTEL-040931F
FCC ID: E2K5HCKT



CLIENT:	Dell Computer Corporation	DATE:	10/05/04
EUT:	Latitude D400 Notebook Computer	PROJECT NUMBER:	INTEL-040930
MODEL NUMBER:	PPT	TEST ENGINEER:	JC
SERIAL NUMBER:	8142Y010093260105DM000	SITE #:	2
CONFIGURATION:	Tested with an Intel PRO/Wireless	TEMPERATURE:	25 C
	2915ABG Network Connection installed in its mini PCI slot and connected to a set of	HUMIDITY:	47% RH
	Wistron NeWeb Corp. antennas in 802.11a (5150-5350 MHz) mode.	TIME:	11:15 AM

Standard:	FCC CFR 47, Part 15.407(b)(6)
Description:	The provisions of Sec. 15.205 apply to intentional radiators operating under this section.
Results:	Passes (See Data Sheets)

	Unwanted Spurious Emissions Limits										
Frequency (MHz) 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)	EIRP < -27dBm/MHz (68.3dBuV/m)								

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Report Number: INTEL-040931F



Fundamental Measurements in **802.11a mode (5150-5350 MHz)**Channels 32, 56, & 64

Continuous TX at MAIN Antenna port with Wistron NeWeb Corp. Antennas
Aegis Labs, Inc. File #: INTEL-040930-06

	RADIATED EMISSIONS - Horizontal Antenna Polarization												
Freq. (MHz)	Meter Reading (dBuV)	Antenna Height (cm)	Azimuth (degrees)	Quasi pk AVG (dBı		Preamp Factor (dB)	Cable Factor (dB)	Ant. Factor (dB)	Corrected Reading (dBuV)	Limits (dBuV)	Diff (dB) +=FAIL		
5180.00	54.33	125	135				4.94	35.02	94.29				
5180.00				43.98	A		4.94	35.02	83.94				
5240.00	55.17	125	135				4.97	34.96	95.10				
5240.00				44.82	A		4.97	34.96	84.75				
5260.00	59.33	125	135				4.97	34.94	99.24				
5260.00				49.39	A		4.97	34.94	89.30				
5320.00	55.33	125	180				5.00	34.88	95.21				
5320.00				45.43	A		5.00	34.88	85.31				

	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	
5180.00	56.17	100	180				4.94	35.02	96.13			
5180.00				46.01	A		4.94	35.02	85.97			
5240.00	56.33	100	180				4.97	34.96	96.26			
5240.00				46.29	A		4.97	34.96	86.22			
5260.00	61.50	100	180				4.97	34.94	101.41			
5260.00				51.48	A		4.97	34.94	91.39			
5320.00	59.33	100	180				5.00	34.88	99.21			
5320.00				49.72	A		5.00	34.88	89.60			

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

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Report Number: INTEL-040931F



AEGIS LABS INC.

Band Edge Field Strength Calculations in **802.11a mode (5150-5350 MHz)** Channels 32, 56, & 64

Continuous TX at MAIN Antenna port with Wistron NeWeb Corp. Antennas Aegis Labs, Inc. File #: INTEL-040930-06

		RADIA	TED EN	MISSIONS	- Horizo	ntal Ant	enna Po	larization		
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
5150.00								43.13	74.00	-30.87
5150.00				A				31.11	54.00	-22.89
5120.00								43.96	74.00	-30.04
5120.00				A				31.44	54.00	-22.56
5350.00								43.04	74.00	-30.96
5350.00				A				32.15	54.00	-21.85
5400.00								45.54	74.00	-28.46
5400.00				A				33.31	54.00	-20.69
		RADI	ATED E	MISSIONS	S – Verti	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
5150.00								44.97	74.00	-29.03
5150.00				A				33.14	54.00	-20.86
5120.00								45.80	74.00	-28.20
5120.00				A				33.47	54.00	-20.53
5350.00								47.04	74.00	-26.96
5350.00				A				36.44	54.00	-17.56
5400.00								49.54	74.00	-24.46
5400.00				A				37.60	54.00	-16.40

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

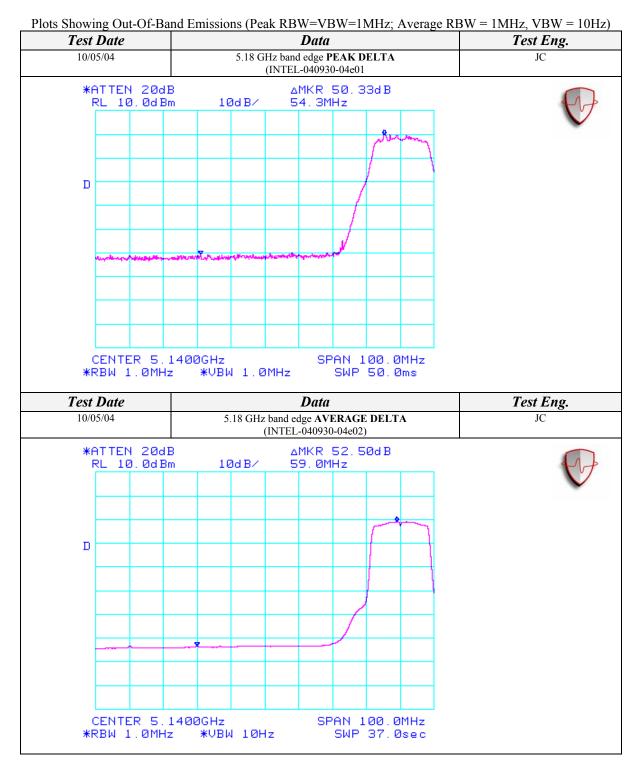
Fm = Measured Fundamental (Peak or Average)

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

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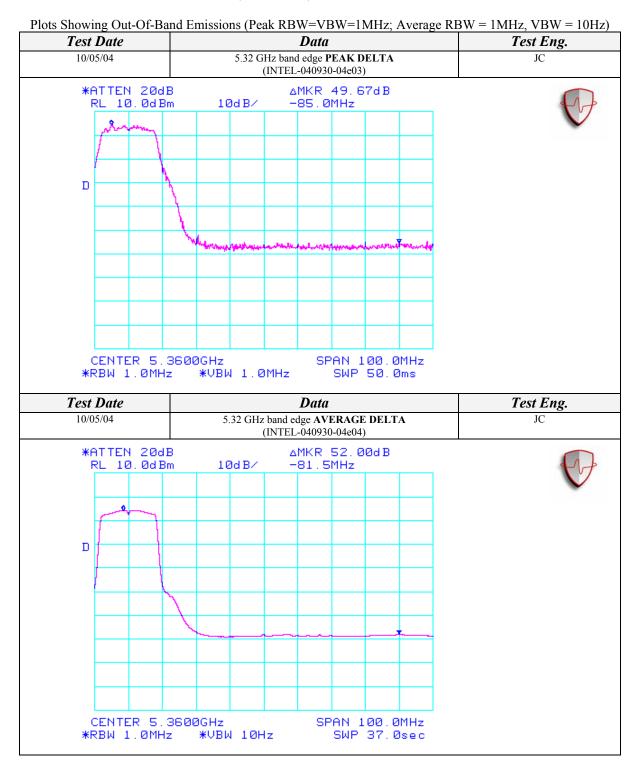
AEGIS LABS INC.



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AEGIS LABS INC.



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Report Number: INTEL-040931F



Spurious Emissions Measurements in 802.11a mode (5150-5350 MHz)

Channels 32, 56, & 64

Continuous TX at MAIN Antenna port with Wistron NeWeb Corp. Antennas

Aegis Labs, Inc. File #: INTEL-040930-08

		RADIA	TED EM	ISSION	NS -	Horizon	tal Anto	enna Pol	arization		
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 3	6 (5.	18 GHz)					
3453.29	51.33	100	225			43.15	3.93	30.29	42.40	68.00	-25.60
6906.54	58.00	125	225			43.84	6.10	39.50	59.76	68.00	-8.24
10360.01	50.33	100	225			43.46	7.37	39.44	53.69	68.00	-14.31
13813.36	49.67	100	135			43.65	8.28	45.23	59.52	68.00	-8.48
EUT in Co	ntinuous	Transmit	Mode on C	Channel 5	2 (5.	26 GHz)					
3506.72	52.83	100	225			43.17	3.94	30.32	43.92	68.00	-24.08
7013.26	54.50	125	225			43.84	6.17	40.09	56.92	68.00	-11.08
10519.88	49.00	100	225			43.51	7.49	39.53	52.51	68.00	-15.49
14026.62	49.33	100	135			43.86	8.33	45.81	59.62	68.00	-8.38
EUT in Co	ntinuous	Transmit	Mode on C	Channel 6	4 (5.	32 GHz)					
3546.66	53.33	100	225			43.17	3.97	30.42	44.55	68.00	-23.45
7093.33	55.00	125	225			43.81	6.18	40.01	57.37	68.00	-10.63
10639.98	49.17	100	225			43.55	7.52	39.70	52.83	74.00	-21.17
10639.98				38.47	A	43.55	7.52	39.70	42.13	54.00	-11.87
14186.58	49.83	100	135			43.96	8.41	45.30	59.58	68.00	-8.42

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	RADIATED EMISSIONS - Vertical Antenna Polarization											
Freq. (MHz)	Meter Reading	Antenna Height	Azimuth (degrees)	Quasi pk AVG (dB		Preamp Factor	Cable Factor	Ant. Factor	Corrected Reading	Limits (dBuV)	Diff (dB) +=FAIL	
EUT in Co	(dBuV) (cm) (dB) (dB) (dB) (dBuV) EUT in Continuous Transmit Mode on Channel 36 (5.18 GHz)											
3453.29	51.50	100	180			43.15	3.93	30.49	42.77	68.00	-25.23	
6906.59	56.33	150	225			43.84	6.10	39.91	58.50	68.00	-9.50	
10359.93	51.67	100	315			43.46	7.37	39.96	55.55	68.00	-12.45	
EUT in Co	EUT in Continuous Transmit Mode on Channel 52 (5.26 GHz)											
3506.67	52.33	100	180			43.17	3.94	30.51	43.62	68.00	-24.38	
7013.32	54.83	125	225			43.84	6.17	40.57	57.74	68.00	-10.26	
10519.92	50.67	100	135			43.51	7.49	40.08	54.73	68.00	-13.27	
EUT in Co	ntinuous	Transmit	Mode on C	Channel 6	4 (5	32 GHz)						
3546.66	51.67	100	180			43.17	3.97	30.58	43.06	68.00	-24.94	
7093.33	53.83	125	180			43.81	6.18	40.41	56.61	68.00	-11.39	
10639.98	49.33	100	135			43.55	7.52	39.99	53.29	74.00	-20.71	
10639.98				38.59	A	43.55	7.52	39.99	42.55	54.00	-11.45	

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Report Number: INTEL-040931F



Spurious Emissions Measurements in **802.11a mode (5150-5350 MHz)** Channels 32, 56, & 64

Continuous RX at MAIN Antenna port with Wistron NeWeb Corp. Antennas Aegis Labs, Inc. File #: INTEL-040930-08

		RADIA	ATED EN	MISSIO	NS	- Horizo	ntal An	tenna Po	olarization		
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 C	ontinuous	s Transmi	t Mode on	Channel	36 (5.18 GHz)					
3453.31	51.33	100	225			43.15	3.93	30.29	42.40	80.00	-37.60
3453.31				43.48	A	43.15	3.93	30.29	34.55	60.00	-25.45
6906.66	56.83	200	225			43.84	6.10	39.50	58.59	80.00	-21.41
6906.66				51.75	A	43.84	6.10	39.50	53.51	60.00	-6.49
10359.95	50.67	100	225			43.46	7.37	39.44	54.03	80.00	-25.97
10359.95				40.26	A	43.46	7.37	39.44	43.62	60.00	-16.38
13813.25	49.83	100	135			43.65	8.28	45.23	59.68	80.00	-20.32
13813.25				38.00	A	43.65	8.28	45.23	47.85	60.00	-12.15
EUT in C	ontinuous	s Transmi	t Mode on	Channel	52 (5.26 GHz)					
3506.66	52.50	100	225			43.17	3.94	30.32	43.59	80.00	-36.41
3506.66				44.79	A	43.17	3.94	30.32	35.88	60.00	-24.12
7013.33	54.33	125	225			43.84	6.17	40.09	56.75	80.00	-23.25
7013.33				48.26	A	43.84	6.17	40.09	50.68	60.00	-9.32
10519.94	49.83	100	180			43.51	7.49	39.53	53.34	80.00	-26.66
10519.94				39.30	A	43.51	7.49	39.53	42.81	60.00	-17.19
14026.53	49.00	100	135			43.86	8.33	45.82	59.29	80.00	-20.71
14026.53				37.36	A	43.86	8.33	45.82	47.65	60.00	-12.35
EUT in C	ontinuous	s Transmi	t Mode on	Channel	64 (5.32 GHz)					
3546.72	53.00	100	225			43.17	3.97	30.42	44.23	80.00	-35.77
3546.72				45.68	A	43.17	3.97	30.42	36.91	60.00	-23.09
7093.27	53.83	125	225			43.81	6.18	40.01	56.20	80.00	-23.80
7093.27				48.45	A	43.81	6.18	40.01	50.82	60.00	-9.18
10639.92	49.17	100	180			43.55	7.52	39.70	52.83	80.00	-27.17
10639.92				38.50	A	43.55	7.52	39.70	42.16	60.00	-17.84
14186.64	49.67	100	135			43.96	8.41	45.30	59.42	80.00	-20.58
14186.64				37.97	A	43.96	8.41	45.30	47.72	60.00	-12.28

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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	ontinuous	Transmi	t Mode on	Channel	36 (5	5.18 GHz)					
3453.30	51.33	100	225			43.15	3.93	30.49	42.60	80.00	-37.40
3453.30				43.15	A	43.15	3.93	30.49	34.42	60.00	-25.58
6906.67	58.50	200	225			43.84	6.10	39.91	60.67	80.00	-19.33
6906.67				55.03	A	43.84	6.10	39.91	57.20	60.00	-2.80
10360.00	51.33	100	45			43.46	7.37	39.96	55.21	80.00	-24.79
10360.00				41.59	A	43.46	7.37	39.96	45.47	60.00	-14.53
EUT in C	ontinuous	s Transmi	t Mode on	Channel	52 (5	5.26 GHz)					
3506.68	51.83	100	180			43.17	3.94	30.51	43.12	80.00	-36.88
3506.68				44.71	A	43.17	3.94	30.51	36.00	60.00	-24.00
7013.36	54.33	100	135			43.84	6.17	40.57	57.24	80.00	-22.76
7013.36				48.33	A	43.84	6.17	40.57	51.24	60.00	-8.76
10519.95	50.50	100	90			43.51	7.49	40.08	54.56	80.00	-25.44
10519.95				40.28	A	43.51	7.49	40.08	44.34	60.00	-15.66
EUT in C	ontinuous	s Transmi	t Mode on	Channel	64 (5	5.32 GHz)					
3546.66	52.50	100	180			43.17	3.97	30.58	43.89	80.00	-36.11
3546.66				45.17	A	43.17	3.97	30.58	36.56	60.00	-23.44
7093.33	53.67	100	180			43.81	6.18	40.41	56.45	80.00	-23.55
7093.33				47.03	A	43.81	6.18	40.41	49.81	60.00	-10.19
10639.97	50.33	100	90			43.55	7.52	39.99	54.29	80.00	-25.71
10639.97				40.32	A	43.55	7.52	39.99	44.28	60.00	-15.72

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PEAK TRANSMIT POWER

CLIENT:	Dell Computer Corporation	DATE:	09/30/04
EUT:	Latitude D400 Notebook Computer	PROJECT NUMBER:	INTEL-040930-01
MODEL NUMBER:	PPT	TEST ENGINEER:	JC
SERIAL NUMBER:	8142Y010093260105DM000	SITE #:	2
CONFIGURATION:	Tested with an Intel PRO/Wireless	TEMPERATURE:	18 C
	2915ABG Network Connection installed in its mini PCI slot and connected to a set of	HUMIDITY:	57% RH
	Wistron NeWeb Corp. antennas.	TIME:	9:00 AM

Standard:	FCC CFR 47, Part 15.407(a)(1) & 15.407(a)(2)
Description:	For the band 5.15-5.25 GHz, the peak transmit power over the frequency band of operation shall not exceed the lesser of 50 mW or 4 dBm + 10logB, where B is the 26-dB emission bandwidth in MHz. For the band 5.25-5.35 GHz, the peak transmit power over the frequency band of operation shall not exceed the lesser of 250 mW or 11 dBm + 10logB, where B is the 26-dB emission bandwidth in MHz.
Results:	See Data Sheet

	Peak Transmit Power Limits								
Frequency (MHz)	Output Power (mW)	Output Power (Note 1)							
5150-5250	50 (17 dBm)	4 dBm + 10logB = 17.68 dBm @ 5180 MHz							
5250-5350	250 (24 dBm)	11 dBm + 10logB = 24.65 dBm @ 5260 MHz 11 dBm + 10logB = 24.65 dBm @ 5320 MHz							

Note 1: Calculated using the 26-dB emissions bandwidth measurements.

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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	36	5180	6	5.35	3.43	11.10	12.88
802.11a	51	5240	6	5.60	3.63	11.50	14.13
802.11a	52	5260	6	10.00	10.00	15.70	37.15
802.11a	64	5320	6	10.20	10.47	15.90	38.90

Note: Power was measured conducted.



CONDCUTED BAND EDGE EMISSIONS TEST RESULTS

CLIENT:	Dell Computer Corporation	DATE:	10/05/04
EUT:	Latitude D400 Notebook Computer	PROJECT NUMBER:	INTEL-040930
MODEL NUMBER:	PPT	TEST ENGINEER:	JC
SERIAL NUMBER:	8142Y010093260105DM000	SITE #:	2
CONFIGURATION:	Tested with an Intel PRO/Wireless	TEMPERATURE:	18 C
2915ABG Network Connection installed in its mini PCI slot and connected to a set of	HUMIDITY:	57% RH	
Wistron NeWeb Corp. antennas.		TIME:	9:00 AM

Standard:	FCC CFR 47, Part 15.407(b)(2)
Description:	For transmitters operating in the 5.25-5.35 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz. Devices operating in the 5.25-5.35 GHz band that generate emissions in the 5.15-5.25 GHz band must meet all applicable technical requirements for operation in the 5.15-5.25 GHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5.15-5.25 GHz band.
Results:	Passes (See Data Sheets)

Unwanted Spurious Emissions Limits		
Frequency (MHz)	Field Strength (dBm/MHz) (Emissions outside the restricted bands)	
5250-5350	EIRP < -27 dBm/MHz (68.3 dBuV/m)	

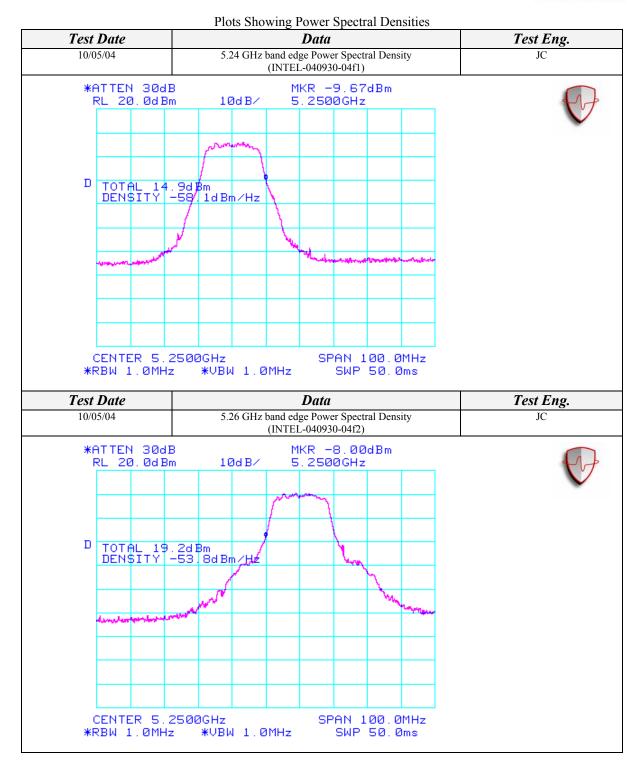
Freq. (MHz)	Power Spec Den. Reading (dBm/MHz)	Antenna Gain (dBi)	Corrected Reading (dBm/MHz)	Limits (dBm/MHz)	Diff (dB) +=FAIL	Comments
5250.00	-58.10	4.09	-54.01	-27.00	-27.01	Tx @ 5240 MHz
5250.00	-53.80	4.09	-49.71	-27.00	-22.71	Tx @ 5260 MHz

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Conducted Band Edge Emissions Test Results (Continued)

AEGIS LABS INC.



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26-dB EMISSIONS BANDWIDTH

CLIENT:	Dell Computer Corporation	DATE:	09/30/04
EUT:	Latitude D400 Notebook Computer	PROJECT NUMBER:	INTEL-040930
MODEL NUMBER:	PPT	TEST ENGINEER:	JC
SERIAL NUMBER:	8142Y010093260105DM000	SITE #:	2
CONFIGURATION:	Tested with an Intel PRO/Wireless	TEMPERATURE:	22 C
	2915ABG Network Connection installed in its mini PCI slot and connected to a set of	HUMIDITY:	50% RH
	Wistron NeWeb Corp. antennas.	TIME:	9:50 AM

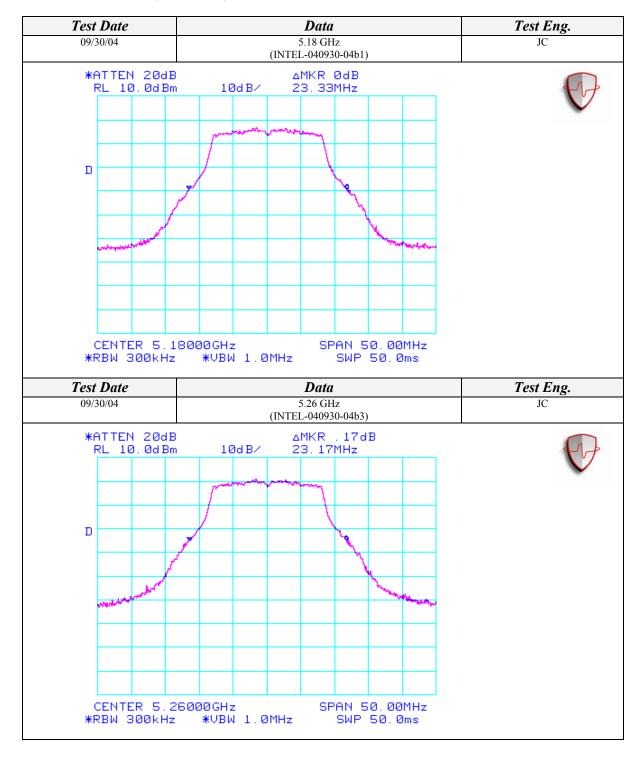
Standard:	FCC CFR 47, Part 15.407(a)(1) & 15.407(a)(2)	
Description:	26-dB emission bandwidth in MHz	
Results:	See Data Sheets	

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Report Number: INTEL-040931F



26-dB Emissions Bandwidth (Continued)



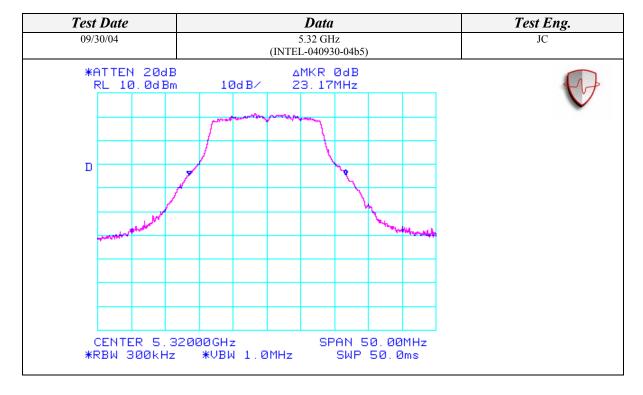


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26-dB Emissions Bandwidth (Continued)

AEGIS LABS INC.



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Report Number: INTEL-040931F



PEAK POWER SPECTRAL DENSITY

CLIENT:	Dell Computer Corporation	DATE:	09/30/04
EUT:	Latitude D400 Notebook Computer	PROJECT NUMBER:	INTEL-040930
MODEL NUMBER:	PPT	TEST ENGINEER:	JC
SERIAL NUMBER:	8142Y010093260105DM000	SITE #:	2
CONFIGURATION:	Tested with an Intel PRO/Wireless	TEMPERATURE:	22 C
	2915ABG Network Connection installed in its mini PCI slot and connected to a set of	HUMIDITY:	50% RH
Wistron NeWeb Corp. antennas.	TIME:	9:50 AM	

Standard:	FCC CFR 47, Part 15.407(a)(1) & 15.407(a)(2)
Description:	For the band 5.15-5.25 GHz, the peak power spectral density shall not exceed 4 dBm in any 1-MHz band For the band 5.2 5-5.35 GHz, the peak power spectral density shall not exceed 11 dBm in any 1-MHz band
Results:	See Data Sheets

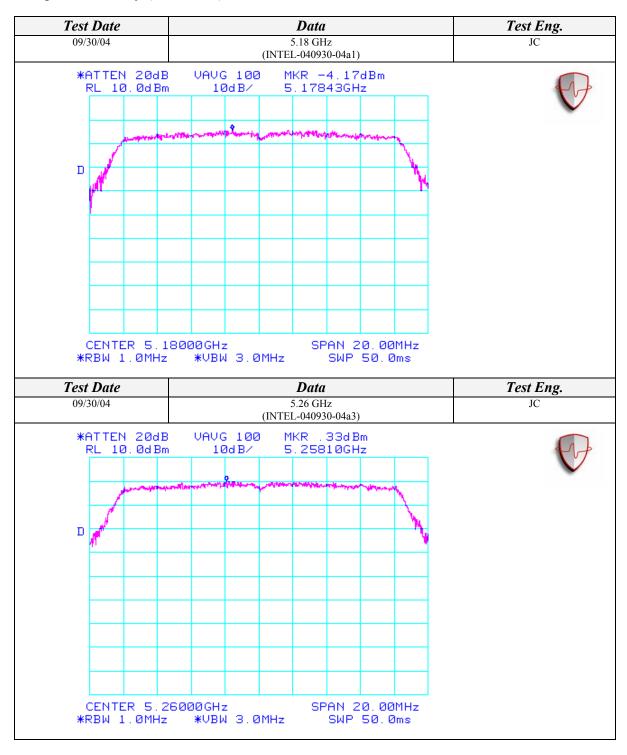
Peak Power Spectral Density Limits		
Frequency (MHz)	Limit (dBm)	
5150-5250	4	
5250-5350	11	

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Peak Power Spectral Density (Continued)

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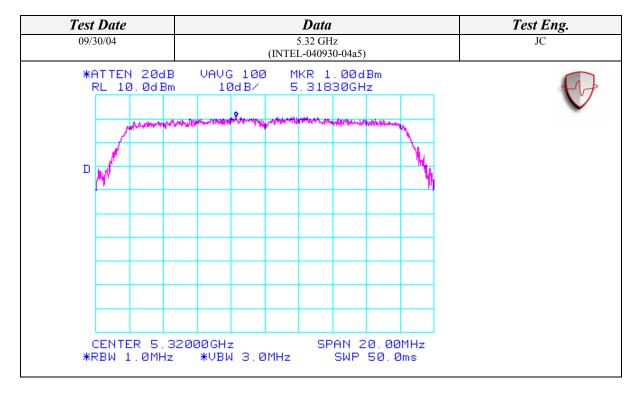


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Peak Power Spectral Density (Continued)

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PEAK EXCURSION

CLIENT:	Dell Computer Corporation	DATE:	09/30/04
EUT:	Latitude D400 Notebook Computer	PROJECT NUMBER:	INTEL-040930
MODEL NUMBER:	PPT	TEST ENGINEER:	JC
SERIAL NUMBER:	8142Y010093260105DM000	SITE #:	2
CONFIGURATION:	Tested with an Intel PRO/Wireless	TEMPERATURE:	22 C
2915ABG Network Connection installed in its mini PCI slot and connected to a set of Wistron NeWeb Corp. antennas.	HUMIDITY:	50% RH	
		TIME:	9:50 AM

Standard:	FCC CFR 47, Part 15.407(a)(6)
Description:	The ratio of the peak excursion of the modulation envelope (measured using a peak hold function) to the peak transmit power shall not exceed 13 dB across any 1 MHz bandwidth or the emission bandwidth whichever is less.
Results:	See Data Sheets

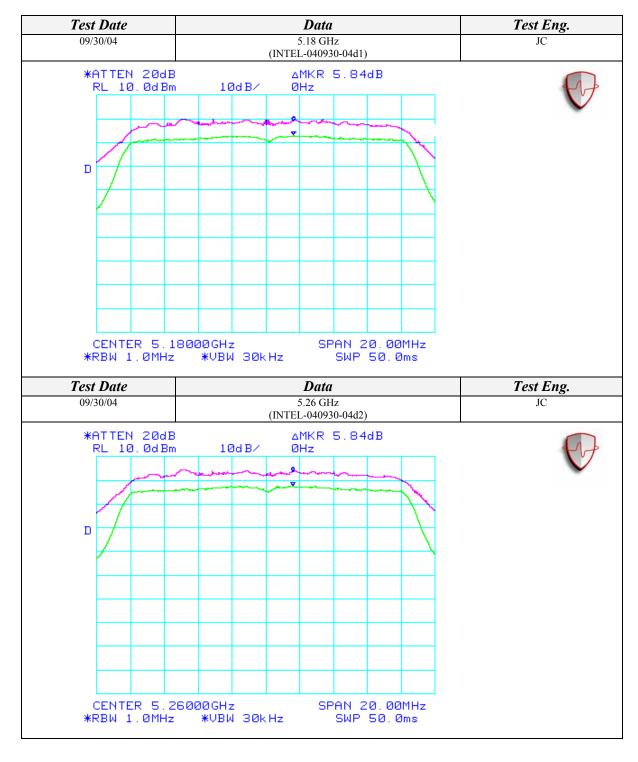
Peak Excursion Limits	
Frequency (MHz)	Limit (dB)
5150-5350	13

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Peak Excursion (Continued)

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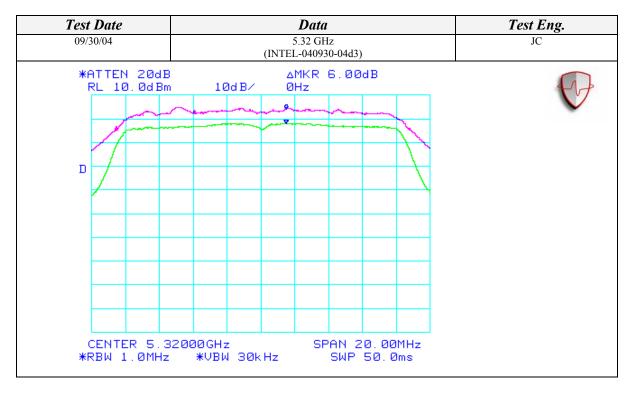


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Peak Excursion (Continued)

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CONDUCTED OUT OF BAND EMISSIONS

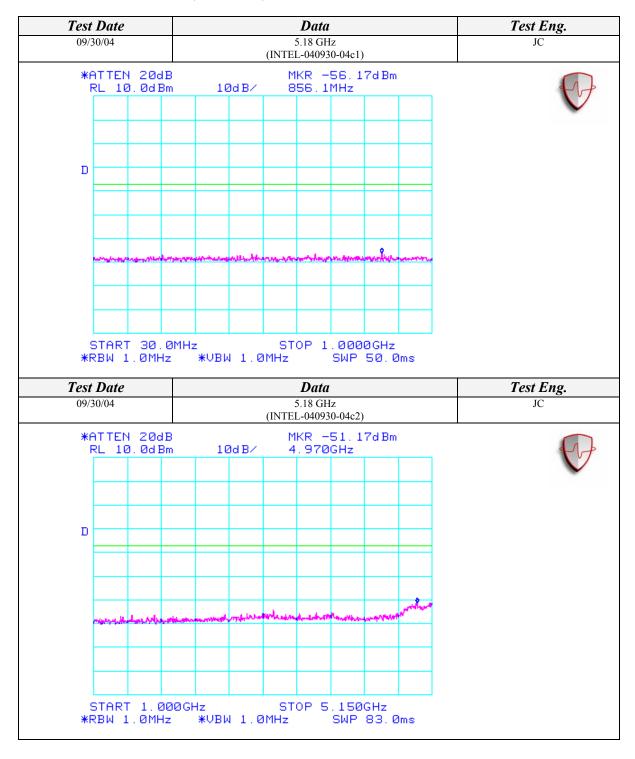
CLIENT:	Dell Computer Corporation	DATE:	09/30/04
EUT:	Latitude D400 Notebook Computer	PROJECT NUMBER:	INTEL-040930
MODEL NUMBER:	PPT	TEST ENGINEER:	JC
SERIAL NUMBER:	8142Y010093260105DM000	SITE #:	2
CONFIGURATION:	Tested with an Intel PRO/Wireless	TEMPERATURE:	22 C
2915ABG Network Connection installed in its mini PCI slot and connected to a set of Wistron NeWeb Corp. antennas.	HUMIDITY:	50% RH	
		TIME:	9:50 AM

Standard:	FCC CFR 47, Part 15.407(b)(1) and 15.407(b)(2)
Description:	For transmitters operating in the 5.15-5.25 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz.
	For transmitters operating in the 5.25-5.35 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz. Devices operating in the 5.25-5.35 GHz band that generate emissions in the 5.15-5.25 GHz band must meet all applicable technical requirements for operation in the 5.15-5.25 GHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5.15-5.25 GHz band.

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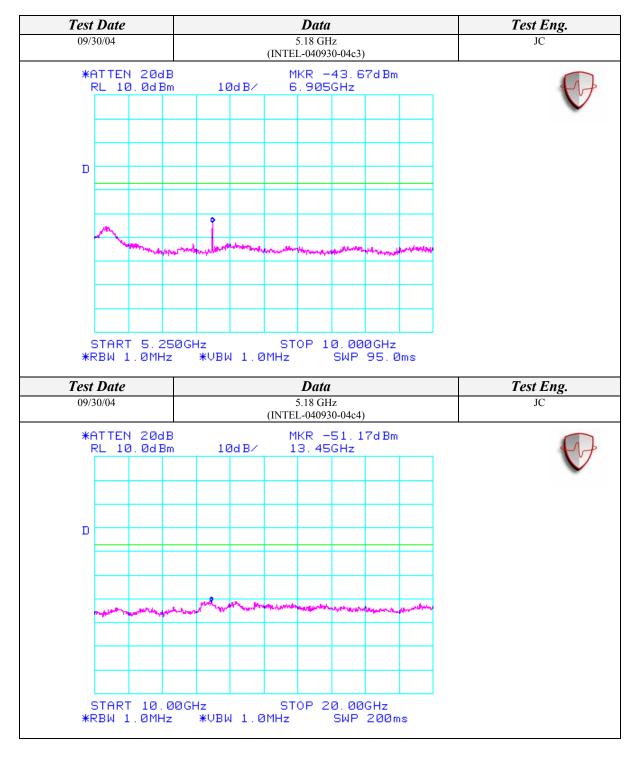
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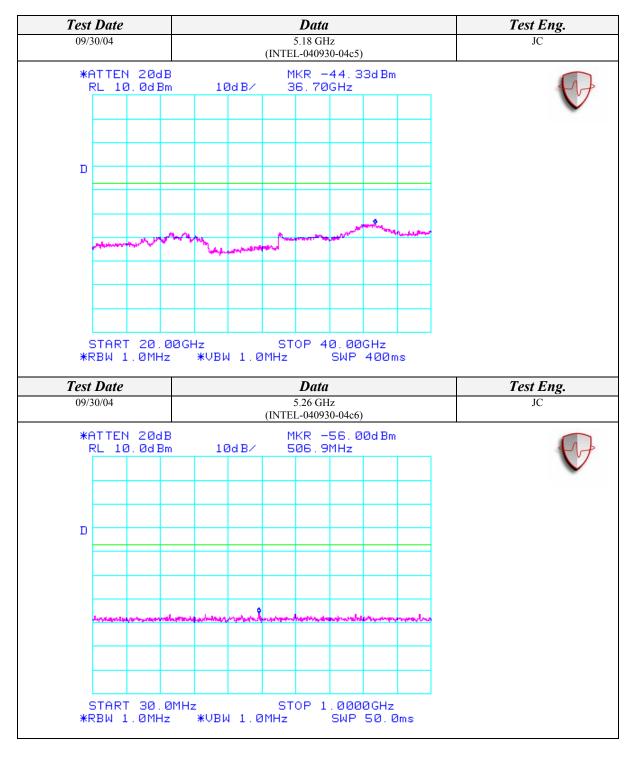
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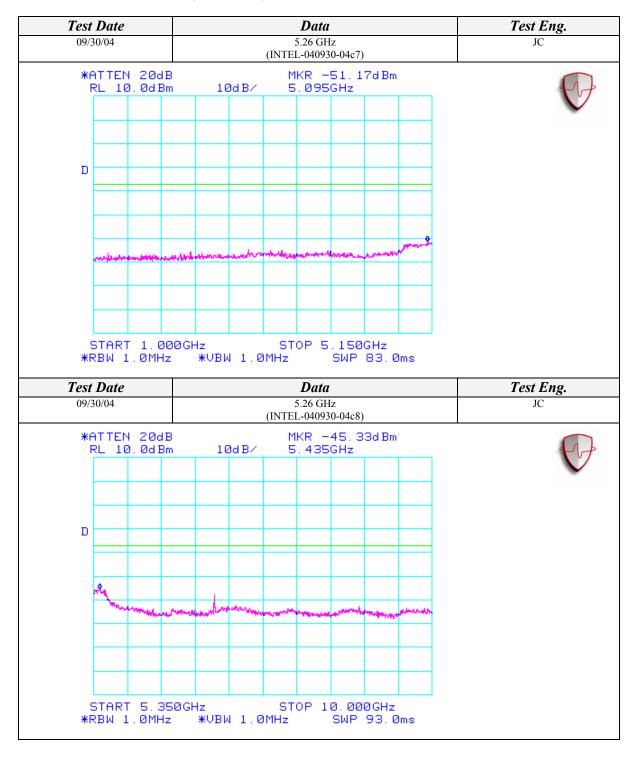
AEGIS LABS INC.



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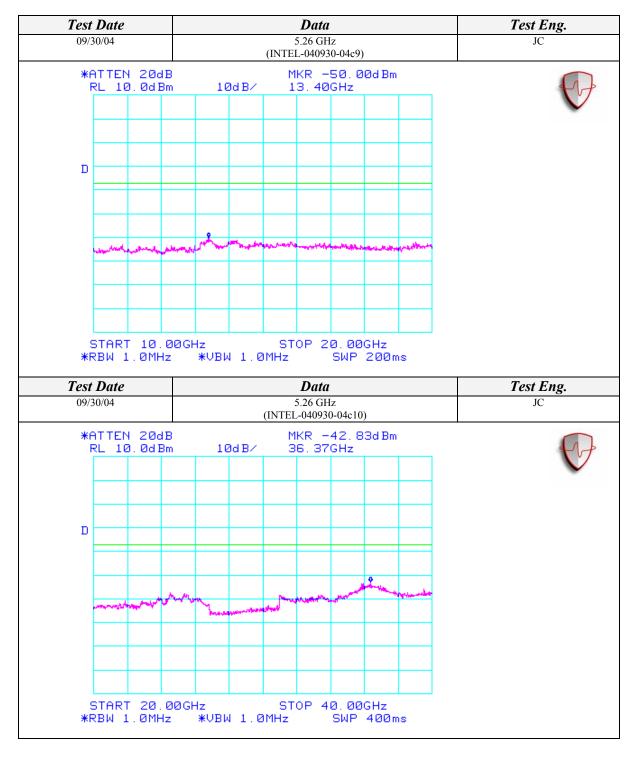
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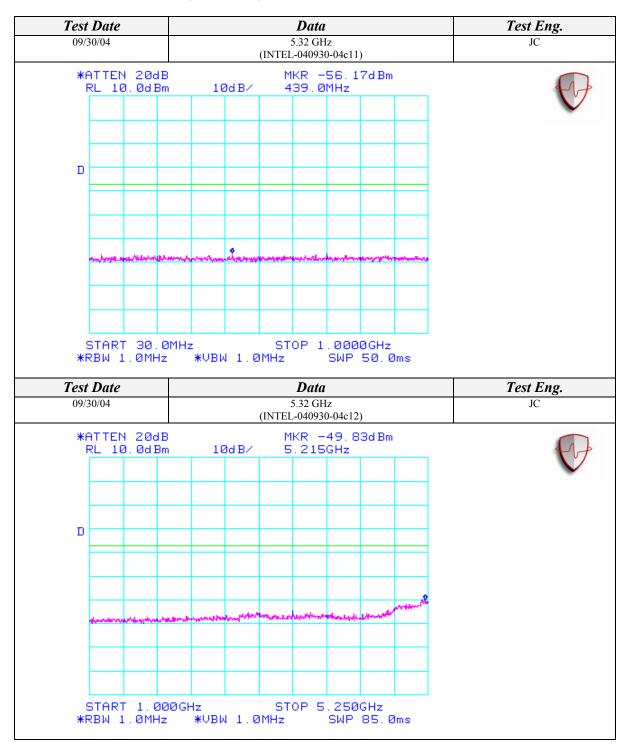
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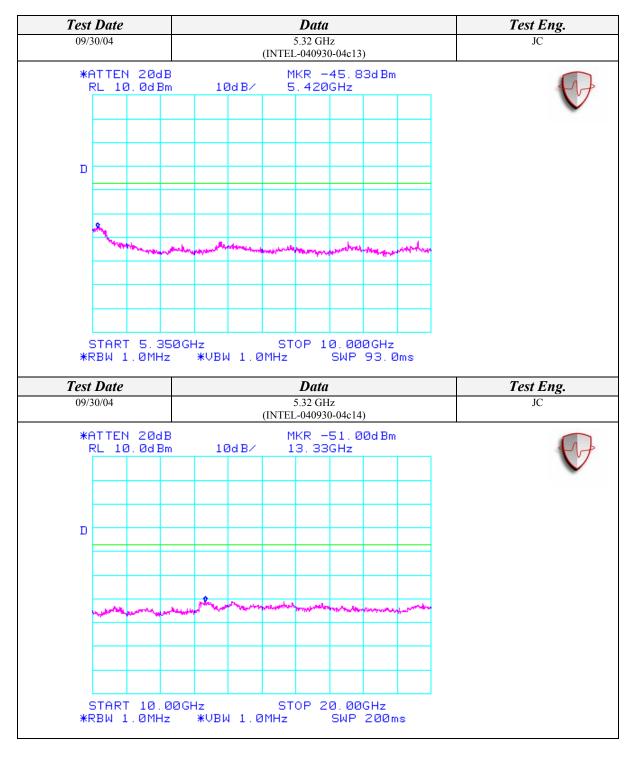
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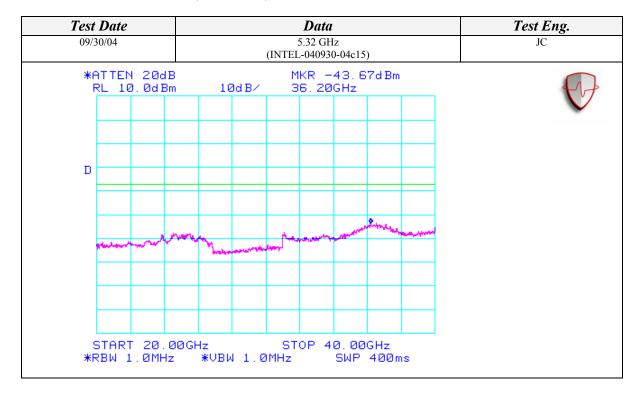
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