

#### TEST REPORT PERTAINING TO:

<b>Equipment Under Test</b>	
Intel® Centrino® Ultimate-N 6200	

Model Number(s) 622ANHU

#### CONFIGURATION

#### IEEE 802.11a / 802.11b / 802.11g / 802.11n with a set of Shanghai Universe Communication Electron Co., Ltd Antennas

#### MEASUREMENTS PERFORMED IN ACCORDANCE WITH THE FOLLOWING STANDARD (S)

#### **Regulatory Standard(s)**

#### FCC CFR 47, PART 15 SUBPART B CLASS B



Certificate Number: 1111.01

#### **PREPARED FOR:**

Intel Corporation 2111 NE 25<sup>th</sup> Avenue Hillsboro, Oregon 97124 Contact(s): Mr. Steven Hackett



#### **PREPARED BY:**

Aegis Labs, Inc. 8 Rancho Circle Lake Forest, CA 92630 Agent(s): Mr. Rick Candelas Mr. Johnny Candelas

Test Report #: If

INTEL-090620F

Test Report Revision: NONE

REPORT<br/>BODYAADTOTAL PAGESPAGES12651630

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#### 1.0 **REGULATORY COMPLIANCE GUIDELINES**

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 were furnished by RF technicians and engineers with accredited qualifications and training credentials to carry out their duties.

The object of this report was to publish verifiable test results of an EUT subjected to the tests outlined in the standard listed on the cover page of this report.

1.1 Guidelines For Testing To Emissions Standards

These global standards for EMC emission requirements apply to electrical equipment for Information Technology Equipment (ITE). Compliance to these standards and in combination with the other standards listed in this test report can be used to demonstrate presumption of compliance with the protection requirements of the appropriate agency standard.

The purpose of these standards is to specify minimum requirements for emissions regarding electromagnetic compatibility (EMC) and protect the radio frequency spectrum 9 kHz. – 400 GHz. from unwanted interference generated from electrical/digital systems that intentionally or unintentionally generated RF energy. The emissions standards, normative documents and/or publications were used to conduct all tests performed on the equipment herein referred to as "Equipment Under Test".



#### 2.0 SUMMARY OF TEST RESULTS

#### Emissions

Index	Standard		Results			
		A.C. Mains Port; Conducted Emissions; 0.150 MHz to 30 MHz				
		Frequency	Q-P Limit	AVG Limit		
	FCC PART 15	0.150 – 0.5 MHz	66 dBuV	56 dBuV	PASSED	
		0.5 – 5	56 dBuV	46 dBuV		
1		5 - 30	60 dBuV	50 dBuV		
1						
		R.F. Electro	omagnetic Fields, 30 to	1000 MHz		
	ECC DADT 15	Frequency	Limit	Distance	DACCED	
	FCC PART 15	30 – 230 MHz	30 dBuV/m	10m	PASSED	
		230 – 1000 MHz	37 dBuV/m	10m		

#### ANALYSIS AND CONCLUSIONS

Based upon the measurement results we find that this equipment is within the limits of the global standards listed on the cover page of this test report. All results are based on a test of one sample. If any significant changes are made to the unit, the changes shall be evaluated and a retest may be required.

**Approval Signatories** 

**Report Completed By:** 

Johnny Candelas 9/18/2009 Senior Test Engineer Aegis Labs, Inc.

**Report Approved By:** 

Rick Candelas 9/18/2009 Quality Assurance Aegis Labs, Inc.



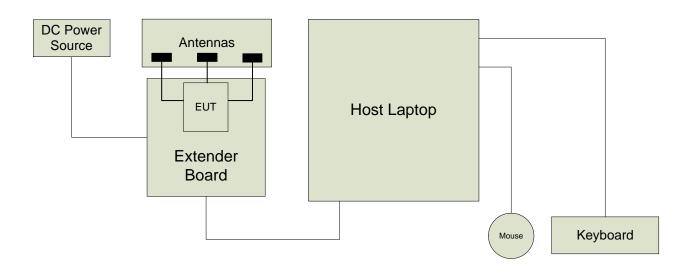
#### 3.0 ADMINISTRATIVE DATA AND TEST DESCRIPTION

	ITE Type: Intel® Centrino® Ultimate-N 6200
<b>DEVICE TESTED:</b>	Model Number(s): 622ANHU
	Serial Number: 0015005A3C7C
DATE EUT RECEIVED:	June 18 <sup>th</sup> , 2009
TEST DATE(S):	July 21 <sup>st</sup> – Sept 4 <sup>th</sup> , 2009
ORIGIN OF TEST SAMPLE(S):	Production
EQUIPMENT CLASS:	EUT tested as CLASS B device
	Intel Corporation
<b>RESPONSIBLE PARTY:</b>	
	Hillsboro, Oregon 97124
CLIENT CONTACT:	Mr. Steven Hackett
	Aegis Labs, Inc.
TEST LOCATION.	32231 Trabuco Creek Road
TEST LOCATION.	
	Open Area Test Site #1 & #2
	A2LA Certificate Number: 1111.01, Valid through February 10, 2010
CERTIFICATE(s):	, , , ,
	To demonstrate compliance with the standard of deministrative Sections 10.0.00
PURPOSE OF TEST:	•
	uns report.
	Proficiency Testing and Uncertainty Calculations for all tests indicated in this report
UNCERTAINTY BUDGET:	
	request.
CALIBRATION:	5
RESPONSIBLE PARTY:CLIENT CONTACT: MANUFACTURER:TEST LOCATION:ACCREDITATION CERTIFICATE(s):PURPOSE OF TEST:UNCERTAINTY BUDGET:STATEMENT OF CALIBRATION:	<ul> <li>2111 NE 25<sup>th</sup> Avenue Hillsboro, Oregon 97124</li> <li>Mr. Steven Hackett Intel Corporation</li> <li>Aegis Labs, Inc.</li> <li>32231 Trabuco Creek Road Trabuco Canyon, CA 92678 Open Area Test Site #1 &amp; #2</li> <li>A2LA Certificate Number: 1111.01, Valid through February 10, 2010</li> <li>To demonstrate compliance with the standards as described in Sections 1.0 &amp; 2.0 of this report.</li> <li>Proficiency Testing and Uncertainty Calculations for all tests indicated in this report have been conducted in accordance with ISO 17025: 2005 requirements Section 5.4.6, and 5.9. Uncertainty Budgets and Proficiency Test results available upon</li> </ul>



#### 4.0 DESCRIPTION OF EUT CONFIGURATION

4.1 Arrangement and Location of EUT and Host Equipment





#### 4.2 EUT Description and Configuration

### Equipment Under Test (EUT): Intel® Centrino® Ultimate-N 6200

Test Routine Software Programs used during testing of EUT and Peripherals:	Intel Corporation Software (CRTU Ver. 5.15.36.0)
Number of External Test Ports Exercised:	2 Antenna Ports
Power Supply Voltage applied to EUT during qualification measurements:	Conducted: 120VAC / 60Hz Radiated: 120 VAC / 60 Hz
Clocks and/or Crystal Oscillator(s):	N/A

#### 4.2.1 Product Description

The Intel® Centrino® Ultimate-N 6200 is an embedded IEEE 802.11a/b/g/n wireless network adapter that operates in the 2.4 GHz and 5.0 GHz spectrum. The adapter is capable of delivering up to 450 Mbps Tx/Rx.

#### 4.2.2 EUT Configuration

The EUT was tested installed in the Mini PCI-E slot of an extender board which is then connected to the host computer. The EUT was then connected to a set of antennas via its Chain A & B antenna ports. Data for a set of Shanghai Universe Communication Electron Co., Ltd Antennas can be found in Appendix A (Data Sheets)

The low, middle, and high channels were tested in 802.11a, b, g, & n modes. Also, the EUT was tested once transmitting from each chain individually (Chain A & B) and then tested with both chains transmitting simultaneously (Chain AB). The EUT was placed in continuous transmit mode by a program provided by the manufacturer (*CRTU Version 5.15.36.0*).

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

Equipment Under Test				
Manufacturer	Equipment Name	Model or Part Number	Serial Number	
Intel Corporation	Intel® Centrino® Ultimate-N 6200	622ANHU	0015005A3C7C	

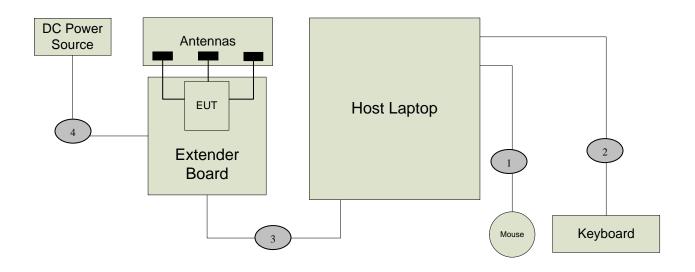
EUT Sub-Assemblies					
Manufacturer	Equipment Name	Model or Part Number	Serial Number		
Shanghai Universe	Chain A Antenna	SUC ANT S11	N/A		
Communication Electron Co.,Ltd	Chain B Antenna	SUC ANT S11	N/A		

Remotely Located Support Equipment					
ManufacturerEquipment NameModel or Part NumberSerial Number					
Generic	Host Laptop	ENG001	None		
Protek	DC Power Source	3006B	AC2018		
Logitech	Keyboard	Y-BF37	MCT25200581		
Logitech	Mouse	M-BJ58	LNA22802012		

NOTE: All the power cords of the above support equipment are standard and non-shielded.



#### 4.4 Signal Line Cable Description and Connection Location



	Signal Line Cable Description								
Cable	Length	Construction	Source Connector	Destination Connector	Bundled Length	Ferrite Attached	Note		
1	1.5m	Round, Braid & Foil Shielded	Host Computer: USB Port	Keyboard: Hardwired	N/A	N/A	N/A		
2	1.5m	Round, Braid & Foil Shielded	Host Computer: USB Port	Mouse: Hardwired	N/A	N/A	N/A		
3	0.5m	Flat, Braid & Foil Shielded	Extender Board: Mini PCIe slot	Host Laptop: Mini PCIe slot	N/A	N/A	N/A		
4	0.5m	Round Un- shielded	Extender Board: Power Input	DC Power Source: Power Output	N/A	N/A	N/A		

#### 4.5 EMC Test Hardware and Software Measurement Equipment

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TEST EQUIPMENT LIST						
Equipment Name	Manufacturer	Model Number	Serial Number	Calibration Due Date	Maintenance Calibration Cycle	
EMI Receiver - RF Section	Hewlett Packard	8546A	3325A00137	04/26/10	1 Year	
EMI Receiver - RF Filter Section	Hewlett Packard	85460A	3330A00138	04/26/10	1 Year	
10 dB Attenuator	Pasternack	PE7014-10	N/A	09/05/09	1 Year	
LISN (EUT)	Fisher Custom Communications	FCC-LISN- 50-25-2	9931	06/03/10	1 Year	
LISN (Access)	EMCO	3825/2	9108-1848	06/03/10	1 Year	
Antenna - Biconical	EMCO	3110	9108-1421	06/05/10	1 Year	
Antenna - Log Periodic	EMCO	3148	4947	06/12/10	1 Year	
Temperature/Humidity Monitor	Dickson	TH550	7255185	04/13/10	1 Year	

#### 5.0 CONDITIONS DURING EMISSIONS MEASUREMENTS

#### 5.1 General

All measurements were made according to the procedures defined in or referred to by the standard listed on the cover page of this report. The measurements were made in the operating mode producing the largest emissions consistent with normal operation and connected to the minimum configuration of auxiliary devices.

5.2 Conducted Emissions Test Setup

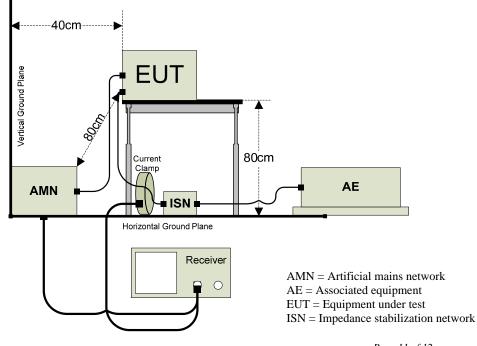
The following was the test configuration.

EUT signal cables that hung closer than 40 cm to the horizontal metal ground plane were folded back and forth forming a bundle 30 cm to 40 cm long. The power cord of the EUT was also bundled in the center and plugged into one of the artificial mains network (AMN). All peripheral equipment was powered from a second AMN via a multiple outlet strip placed at a distance on 10cm from each other. The AMN and ISN were positioned 80cm from the EUT. Signal cables that were not connected to an AE were terminated using the correct termination. If applicable, the current probe was placed at 0.1 m from the ISN.

Peak, quasi-peak and/or average detectors were used for testing performed between 150 kHz and 30 MHz. A swept frequency scan was performed for both Line 1 and Line 2. The six highest readings were compared against the limit and recorded in the data sheet along with a snapshot image of the sweep scan. The graphical scans in Appendix A only reflect peak readings while the tabulated data sheets reflect peak, average, and/or quasi-peak measurements.

#### **Climatic Conditions:**

The EUT was tested within its intended operating and climatic conditions.



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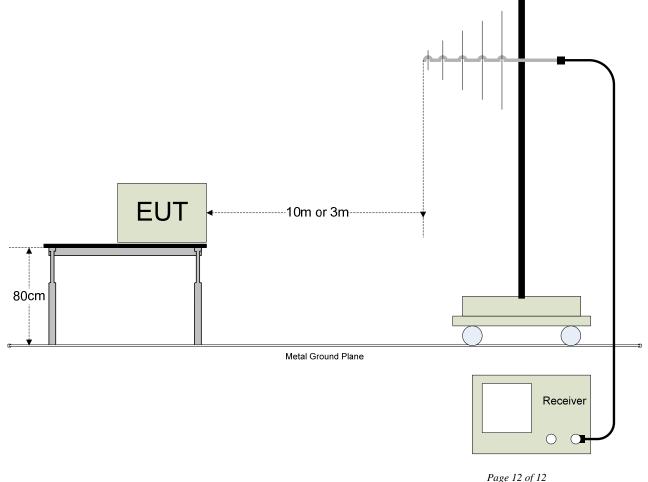
#### 5.3 Radiated Emissions Test Setup

The Open Area Test Site (OATS) was used for radiated emission testing. The receiving (Rx) antenna(s) was placed 10m from the nearest side of the EUT facing the Rx antenna. The EUT (if floor-standing) was placed directly on the flush-mounted 360 degree rotating turntable. The EUT (if table-top) was placed directly on an 80cm high non-metallic table, and the table was placed on the rotating turntable. During the initial EMI scan, all the suspect frequencies, i.e.; harmonics, broadband signals were checked with the Rx broadband antennas in both vertical and horizontal polarities. The biconical Rx, log periodic Rx, and horn Rx antennas were used from 30MHz - 300MHz - 1000MHz, and 1GHz - 18GHz respectively.

Upon completion of all harmonic and broadband measurements, the balance of any remaining frequencies was checked between 30MHz - 18GHz. Any signals appearing within 20 dB of the classification limit was measured. Each signal was maximized by first rotating the turntable at least 360 degrees and recording the azimuth in the data sheet. Lastly, the Rx antenna was raised and/or lowered to maximize the signal elevation. If the measured signal was obtained using the peak detector and that signal appeared within 3 dB of the regulatory limit line, then the same signal was re-measured using the quasi-peak detector on the EMI receiver. Both meter readings if necessary were recorded on the data sheet.

#### Climatic Conditions:

The EUT was tested within its intended operating and climatic conditions.



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## **APPENDIX** A

## TEST DATA

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CLIENT:	Intel Corporation	DATE:	07/24/09
EUT:	Intel® Centrino® Ultimate-N 6200	PROJECT NUMBER:	INTEL-090601
<b>MODEL NUMBER:</b>	622ANHU	<b>TEST ENGINEER:</b>	JC
SERIAL NUMBER:	0015005A3C7C	SITE #:	1
	Tested installed in an extender	<b>TEMPERATURE:</b>	22 deg. C
<b>CONFIGURATION:</b>	board connected to the host	<b>HUMIDITY:</b>	49%
	laptop's mini PCI slot	TIME:	2:00 PM

<b>Description:</b>	Conducted Power RF Emissions (150 kHz – 30 MHz)
<b>Results:</b>	PASSED LINE 1 and LINE 2 Limits
Note:	Conducted Emissions Measurements were performed on the EUT with the power supply set at the following voltage and frequency. • 120VAC / 60 Hz

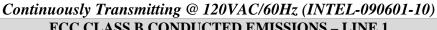
Conducted Limits						
Frequency (MHz)Quasi-Peak Limit (dBuV)Average Limit (dBuV)						
0.15-0.5	66 to 56*	56 to 46*				
0.5-5	56	46				
5-30	60	50				

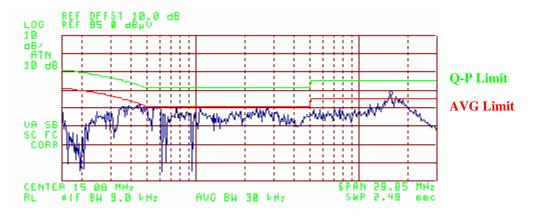
\*Decreases with the logarithm of the frequency.



#### AC Power Port – Conducted Emissions Test Results (Continued)

	FCC CLASS B CONDUCTED EMISSIONS – LINE 1						
Freq.	Meter	Detector	Average	Average	Quasi-Peak	Quasi-Peak	
(MHz)	Reading (dBuV)	(PK/QP/AV)	Limit (dBuV)	Delta(dB)	Limit (dBuV)	Delta(dB)	
0.4500	47.42	PK	47.43	-0.01	57.43	-10.01	
0.4500	28.39	AV	47.43	-19.04	57.43	-29.04	
0.5900	45.85	PK	46.00	-0.15	56.00	-10.15	
0.5900	25.01	AV	46.00	-20.99	56.00	-30.99	
1.0700	45.11	PK	46.00	-0.89	56.00	-10.89	
1.0700	23.59	AV	46.00	-22.41	56.00	-32.41	
7.5800	45.18	РК	50.00	-4.82	60.00	-14.82	
11.5900	46.92	PK	50.00	-3.08	60.00	-13.08	
15.6800	52.02	PK	50.00	2.02	60.00	-7.98	
15.6800	34.53	AV	50.00	-15.47	60.00	-25.47	





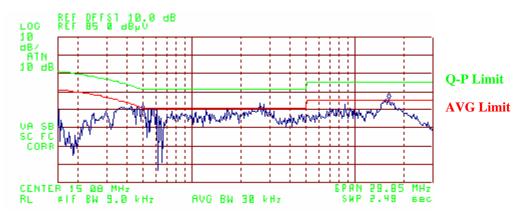
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#### AC Power Port – Conducted Emissions Test Results (Continued)

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FCC CLASS B 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)			
0.4300	46.69	PK	48.00	-1.31	58.00	-11.31			
0.4300	25.39	AV	48.00	-22.61	58.00	-32.61			
0.4700	46.90	PK	46.85	0.05	56.85	-9.95			
0.4700	26.54	AV	46.85	-20.31	56.85	-30.31			
0.5000	48.09	PK	46.00	2.09	56.00	-7.91			
0.5000	24.08	AV	46.00	-21.92	56.00	-31.92			
2.6300	48.19	PK	46.00	2.19	56.00	-7.81			
2.6300	31.72	AV	46.00	-14.28	56.00	-24.28			
8.6900	48.09	PK	50.00	-1.91	60.00	-11.91			
8.6900	26.84	AV	50.00	-23.16	60.00	-33.16			
16.1400	50.88	РК	50.00	0.88	60.00	-9.12			
16.1400	33.76	AV	50.00	-16.24	60.00	-26.24			







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CLIENT:	Intel Corporation	DATE:	07/24/09
EUT:	Intel® Centrino® Ultimate-N 6200	PROJECT NUMBER:	INTEL-090601
MODEL NUMBER:	622ANHU	TEST ENGINEER:	JC
SERIAL NUMBER:	0015005A3C7C	SITE #:	1
	Tested installed in an extender	<b>TEMPERATURE:</b>	19 deg. C
<b>CONFIGURATION:</b>	board connected to the host	HUMIDITY:	57%
	laptop's mini PCI slot	TIME:	9:00 AM

<b>Description:</b>	Radiated RF Emissions (30 MHz – 1000 MHz)
<b>Results:</b>	PASSED Horizontal and Vertical Antenna Polarizations Class B Limits
Note:	Radiated Emissions Measurements were performed on the EUT with the power supply
	set at the following voltage and frequency.
	• 120VAC / 60 Hz.

Radiated Emissions Sample Calculations

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

Where, F = Antenna Factor

C = Cable Factor

G = Amplifier Gain

D = Distance Factor (if applicable)

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

CML = Specification Limit - F - C + D



### Radiated Emissions Test Results (Continued)

#### Continuously Transmitting @ 120VAC/60Hz (INTEL-090601-11)

	Horizontal Open Field Maximized Data										
	Meter	Antenna				Cable	Cable	Antenna	Corrected		
Freq.	Reading	Height	Azimuth	Quasi pl	k or	Factor	Factor	Factor	Reading	Limits	Diff(dB)
(MHz)	(dBuV)	( <i>cm</i> )	(degrees)	AVG (dB	uV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	+=FAIL
48.02	8.58	400	45			2.65	10.32	10.46	32.01	40.00	-7.99
120.00	14.23	400	90	11.03	Q	2.39	11.20	10.46	35.08	43.50	-8.42
250.01	10.96	350	90			2.91	17.40	10.46	41.73	46.00	-4.27
305.09	11.32	300	270			3.07	14.49	10.46	39.33	46.00	-6.67
375.00	10.53	250	45			3.35	15.10	10.46	39.44	46.00	-6.57
386.00	11.63	225	45			3.39	15.54	10.46	41.02	46.00	-4.98

	Vertical Open Field Maximized Data										
	Meter	Antenna				Cable	Cable	Antenna	Corrected		
Freq. (MHz)	Reading (dBuV)	Height (cm)	Azimuth (degrees)	Quasi pl AVG (dB		Factor (dB)	Factor (dB)	Factor (dB)	Reading (dBuV/m)	Limits (dBuV/m)	Diff(dB) +=FAIL
48.01	( <i>abuv</i> )	100	( <i>uegrees</i> ) 45	AVO (UD	uv)	( <i>ab</i> ) 2.65	10.52	10.46	( <i>aBuv/m</i> ) 34.75	( <i>abuv/m</i> ) 40.00	-5.25
					_						
119.98	18.40	100	90	14.65	Q	2.39	10.80	10.46	38.30	43.50	-5.20
250.03	8.51	100	45			2.91	18.30	10.46	40.18	46.00	-5.82
306.35	13.06	100	45			3.07	14.78	10.46	41.37	46.00	-4.63
358.01	7.94	100	0			3.27	15.44	10.46	37.11	46.00	-8.89
375.05	8.85	100	90			3.35	15.30	10.46	37.96	46.00	-8.04
386.01	15.71	100	180	13.62	Q	3.39	15.61	10.46	43.08	46.00	-2.92



## **APPENDIX B**

## **PHOTOGRAPHS** – (TEST SETUPS)

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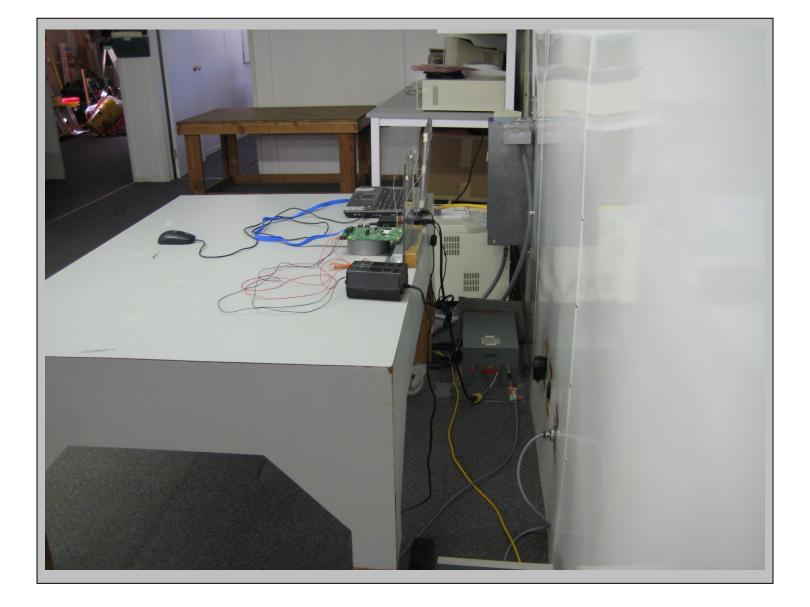
#### **CONDUCTED EMISSIONS – FRONT VIEW**

FOR

EUT: Intel® Centrino® Ultimate-N 6200 MODEL NUMBER: 622ANHU

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#### **CONDUCTED EMISSIONS – SIDE VIEW**

FOR

EUT: Intel® Centrino® Ultimate-N 6200 MODEL NUMBER: 622ANHU

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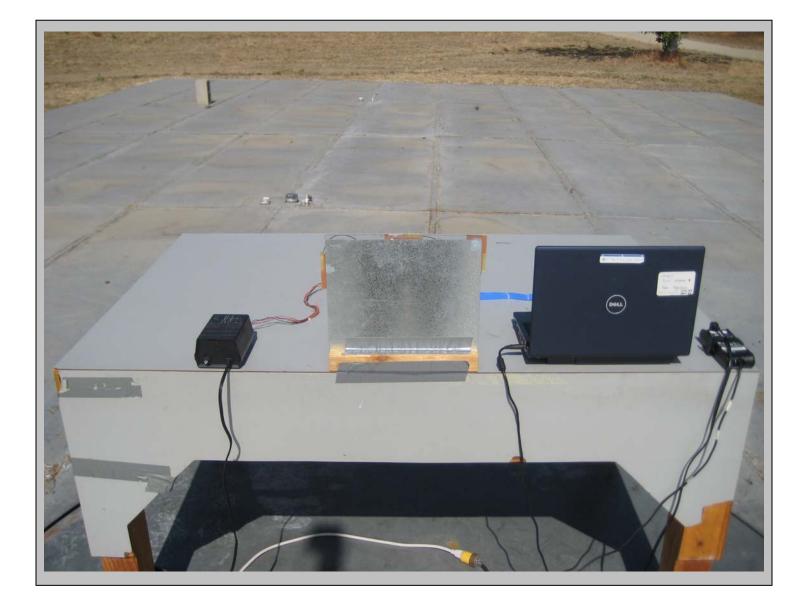
#### **RADIATED EMISSIONS – FRONT VIEW**

FOR

EUT: Intel® Centrino® Ultimate-N 6200 MODEL NUMBER: 622ANHU

> Page 4 of 5 (Appendix B) Report Number: INTEL-090620F Revision Number: NONE





#### **RADIATED EMISSIONS – REAR VIEW**

FOR

EUT: Intel® Centrino® Ultimate-N 6200 MODEL NUMBER: 622ANHU

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**APPENDIX C** 

# **MODIFICATIONS REQUIRED**

1.0	NONE

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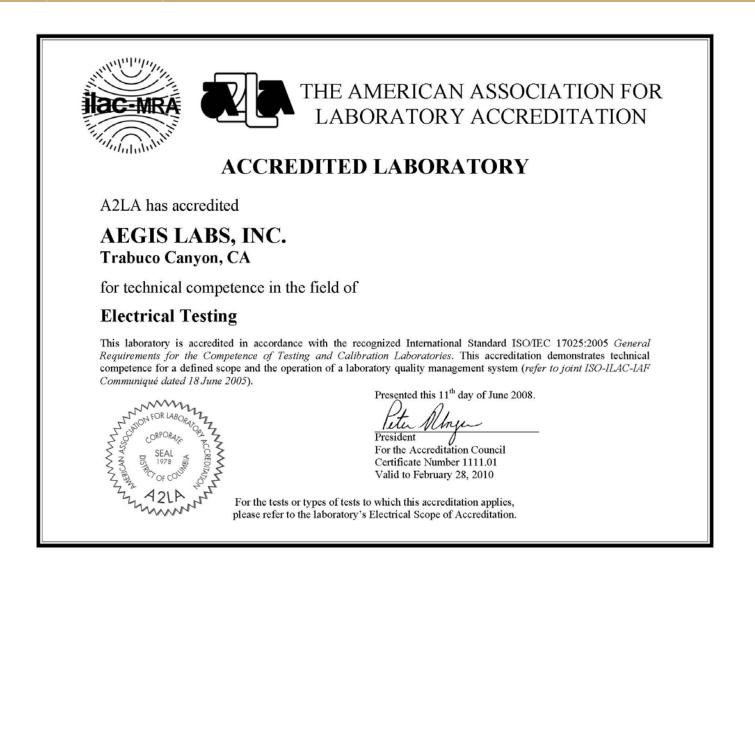


**APPENDIX D** 

# ACCREDITATION CERTIFICATE (S)

Page 1 of 6 (Appendix D) Report Number: INTEL-090620F Revision Number: N/A





Page 2 of 6 (Appendix D) Report Number: INTEL-090620F Revision Number: N/A



#### SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

AEGIS LABS, INC.<sup>1</sup> 32231 Trabuco Creek Road Trabuco Canyon, CA 92678 Rick Candelas Phone: 949-459-7886

ELECTRICAL (EMC)

Valid To: February 28, 2010

Certificate Number: 1111.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following <u>electromagnetic compatibility tests</u>:

Technology	Test Method(s)
Emissions	
Radiated and Conducted	CFR 47, FCC Part 15 (ANSI C63.4:2003)
	CFR 47, FCC Part 18 (ANSI C63.4:2003)
	ICES-001
	ICES-003
	ICES-005
	VCCI V-3
	CNS13438: 2006
	EN 55011: 1998 + A1: 1999 + A2: 2002
	EN 55011: 2007 + A2: 2007
	EN 55014-1: 2000 + A1: 2001 + A2: 2002
	EN 55014-1: 2006
	EN 55014-2: 1997 + A1: 2001
	EN 55022: 1998 + A1: 2000 + A2: 2003
	EN 55022: 2006
	CISPR 11: 1997 + A1: 1999 + A2: 2002
	CISPR 11: 2003 + A1: 2004 + A2: 2006
	CISPR 13: 2001 + A1: 2003 + A2: 2006
	CISPR 14-1: 2000 + A1: 2001 + A2: 2002
	CISPR 14-1: 2005
	CISPR 14-2: 1997 + A1: 2001
	CISPR 22: 1997 + A1: 2000 + A2: 2003
	CISPR 22: 2005
	AS/NZS CISPR 11: 2004
	AS/NZS CISPR 14.1: 2005
	AS/NZS CISPR 14.2: 2003
	AS/NZS CISPR 22: 2006

<sup>&</sup>lt;sup>1</sup> This accreditation covers testing performed at the main laboratory listed above, and the satellite laboratory indicated.

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Test Method(s) Emissions (cont'd) SABS CISPR 11 Radiated and Conducted SABS CISPR 13 SANS 222: 2006/CISPR22: 2006 (SABS CISPR: 2006) SII 961-6-1: 2002 KN11 KN13 KN14 KN22 RRL Notice No. 2008-4 (February 11, 2008) RRL Notice No. 2008-5 (February 11, 2008) SS IEC CISPR22: IDA TS EMC

Product Family and Generic Standards

Technology

EN 61000-6-1: 2001, 2007 EN 61000-6-2: 2001, 2005 EN 61000-6-3: 2001 + A11: 2004, 2007 EN 61000-6-4: 2001, 2007 EN 50130-4: 1995 + A1:998 + A2: 2003 EN 55103-1: 1996 EN 55103-2: 1996 EN 60601-1-2: 2001 EN 61326: 1997 + A1: 1998 + A2: 2001 + A3: 2003 EN 61326-1: 2006 EN 55020: 2002 +A1: 2003 + A2: 2005 EN 55020: 2007 IEC 61000-6-1: 1997, 2005 IEC 61000-6-2: 1999, 2005 IEC 61000-6-3: 1996, 2006 IEC 61000-6-4: 1997, 2006 IEC 60601-1-2: 2001 IEC 61326: 1997 + A1: 1998 + A2: 2000 + A3: 2002 IEC 61326-1: 2005 CISPR 20: 2002 +A1: 2002 + A2: 2005 CISPR 20: 2006 KN 20 AS/NZS 4251.1: 1999 AS/NZS 4251.2: 1999 AS/NZS 61000.6.1: 2006 AS/NZS 61000.6.2: 2006

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<u>Technology</u> Radio Communications	Test Method(s)
	CFR 47, FCC Part 27 (ANSI C63.4:2003)
	AS/NZS 4771: 2000 + A1: 2003
	AS/NZS 4268: 2003 + A1: 2005 + A2: 2006
	RSS-GEN
	RSS-210
	RSS-310
	IDA TS SRD
	EN 300 220-1, EN 300 220-2, EN 300 220-3
	EN 300 328-1, EN 300 328-2, EN 300 328
	EN 300 386
	EN 300 440-1, EN 300 440-2
	EN 300 440-1, EN 300 440-2 EN 301 489-1 (Excluding Section 9.6)
	EN 301 489-3
	EN 301 489-4
	EN 301 489-4 EN 301 489-17
	EN 301 489-17 EN 301 893 (Excluding DFS testing)
Harmonics	EN 61000-3-2: 2000 + A2: 2005
nurmonics	EN 61000-3-2: 2000 + A2: 2003 EN 61000-3-2: 2006
	EC 61000-3-2: 2000 + A1: 2001 + A2: 2004
	AS/NZS 61000-3-2: 2000 + A1: 2001 + A2: 2004
Flickers	
Fuckers	EN 61000-3-3: 1995 + A1: 2001 + A2: 2005
	IEC 61000-3-3: 1994 + A1: 2001 + A2: 2005
	AS/NZS 61000.3.3
	AEGIS LABS, Inc.
	8 Rancho Circle
	Lake Forest, CA 92360
	949 454 8295
	51510255
<u>Technology</u> Immunity	Test Method(s)
	EN 55024: 1998 +A1: 2001 + A2: 2003
	EN 61000-4-2
	EN 61000-4-3
	EN 61000-4-4

EN 61000-4-5, ITU-T K.20

EN 61000-4-6 EN 61000-4-8 EN 61000-4-11

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Technology Test Method(s) Immunity (cont'd) CISPR 24: 1997 + A1: 2001 + A2: 2002 IEC 61000-4-2 IEC 61000-4-3 IEC 61000-4-4 IEC 61000-4-5 IEC 61000-4-6 IEC 61000-4-8 IEC 61000-4-11 KN 24 with RRL Notice No. 2007-99 (2007.12.26) & RRL Notice No. 2007-101 (2007.12.26) KN 61000-4-2 KN 61000-4-3 KN 61000-4-4 KN 61000-4-5 KN 61000-4-6 KN 61000-4-8 KN 61000-4-11 AS/NZS 61000.4.2 AS/NZS 61000.4.3 AS/NZS 61000.4.4 AS/NZS 61000.4.5 AS/NZS 61000.4.6 AS/NZS 61000.4.8 AS/NZS 61000.4.11 Avionics / Military RTCA/DO-160 (Sections 15-22 & 25) RTCA/DO-301 (Sections 2.3.13 - 2.3.19) MIL-STD-461 MIL-STD-462 MIL-STD-704 (MIL-HDBK-704-1, MIL-HDBK-704-7, MIL-HDBK-704-8) BOEING D6-16050-4 BOEING D6-16050-5 BOEING 787B3-0147 (Section 3)

AIRBUS ABD0100.1.8 (Section 1.2, 1.3, 2)

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