

FCC CFR47 PART 15 SUBPART E CLASS II PERMISSIVE CHANGE CERTIFICATION TEST REPORT

FOR

802.11 A/B/G INTEL WIRELESS WIFI LINK 4965AGN

MODEL NUMBER: 4965AGN

FCC ID: PD9LEN4965AGN

REPORT NUMBER: 07U10925-2, REVISION B

ISSUE DATE: APRIL 13, 2007

Prepared for
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Revision History

Rev.	Issue Date	Revisions	Revised By
	04/01/07	Initial Issue	T. Chan
В	04/13/07	Corrected Section 5.1	T. Hong

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DATE: APRIL 13, 2007 FCC ID: PD9LEN4965AGN

1. ATTESTATION OF TEST RESULTS

COMPANY NAME: INTEL CORPORATION

2111 N.E. 25TH AVE.

HILLSBORO, OR 97124, USA

EUT DESCRIPTION: 802.11A/B/G INTEL WIRELESS WIFI LINK 4965AGN

MODEL: 4965AGN

SERIAL NUMBER: LV-00470

DATE TESTED: MARCH 17-23, 2007

APPLICABLE STANDARDS

STANDARD TEST RESULTS

FCC PART 15 SUBPART E NO NON-COMPLIANCE NOTED

Compliance Certification Services, Inc. tested the above equipment in accordance with the requirements set forth in the above standards. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Note: The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. This document may not be altered or revised in any way unless done so by Compliance Certification Services and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by Compliance Certification Services will constitute fraud and shall nullify the document. No part of this report may be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any government agency.

Approved & Released For CCS By:

Tested By:

THU CHAN

EMC SUPERVISOR

COMPLIANCE CERTIFICATION SERVICES

MENGISTU MEKURIA EMC ENGINEER

COMPLIANCE CERTIFICATION SERVICES

2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with ANSI C63.4-2003, FCC CFR 47 Part 2 and FCC CFR 47 Part 15.

3. FACILITIES AND ACCREDITATION

The test sites and measurement facilities used to collect data are located at 47173 Benicia Street, Fremont, California, USA. The sites are constructed in conformance with the requirements of ANSI C63.4, ANSI C63.7 and CISPR Publication 22. All receiving equipment conforms to CISPR Publication 16-1, "Radio Interference Measuring Apparatus and Measurement Methods."

CCS is accredited by NVLAP, Laboratory Code 200065-0. The full scope of accreditation can be viewed at http://www.ccsemc.com.

4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations, and is traceable to recognized national standards.

4.2. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

PARAMETER	UNCERTAINTY
Radiated Emission, 30 to 200 MHz	+/- 3.3 dB
Radiated Emission, 200 to 1000 MHz	+4.5 / -2.9 dB
Radiated Emission, 1000 to 2000 MHz	+4.5 / -2.9 dB
Power Line Conducted Emission	+/- 2.9 dB

Uncertainty figures are valid to a confidence level of 95%.

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5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

The EUT is an 802.11a/b/g Wireless WiFi Link.

The radio module is manufactured by Intel.

5.2. DESCRIPTION OF CLASS II CHANGE

- 1. Add WLAN Main Antenna-1: 25.90354.001, Main Antenna-2: 25.90424.001 and Aux Antenna: 25.90355.001
- 2. Add Lenovo ThinkPad X61Tablet Notebook.

5.3. DESCRIPTION OF AVAILABLE ANTENNAS

The radio utilizes two PIFA antennas for diversity, at 5.2GHz band with maximum peak gain of 2.54dBi.

5.4. SOFTWARE AND FIRMWARE

The EUT driver software installed in the host support equipment during testing was CRTU, version 9.7.34.0

The test utility software used during testing was CRTU version 4.1.26.0000

5.5. WORST-CASE CONFIGURATION AND MODE

The worst-case channel is determined as the channel with the highest output power. The highest measured output powers were at 5320 MHz for 11a, 802.11n 20M, 40M, MIMO 20, and 5180MHz for 802.11n MIMO 40M

The worst-case data rate for this channel is determined to be 6 Mb/s, based on previous experience with 2.4GHz WLAN product design architectures.

The Mobile position and portable X, Y and Z positions have been investigated, Mobile position was determined as the worst-case position for 2.4GHz band and Y position for the 5GHz band.

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5.6. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

PERIPHERAL SUPPORT EQUIPMENT LIST						
Description Manufacturer Model Serial Number FCC ID						
Laptop	Lenovo	ThinkPad X61 Tablet	LV-00161	DoC		
AC Adaptop	Lenovo	Lenovo	11S92P1160Z1ZBGH6C6KK0	DoC		

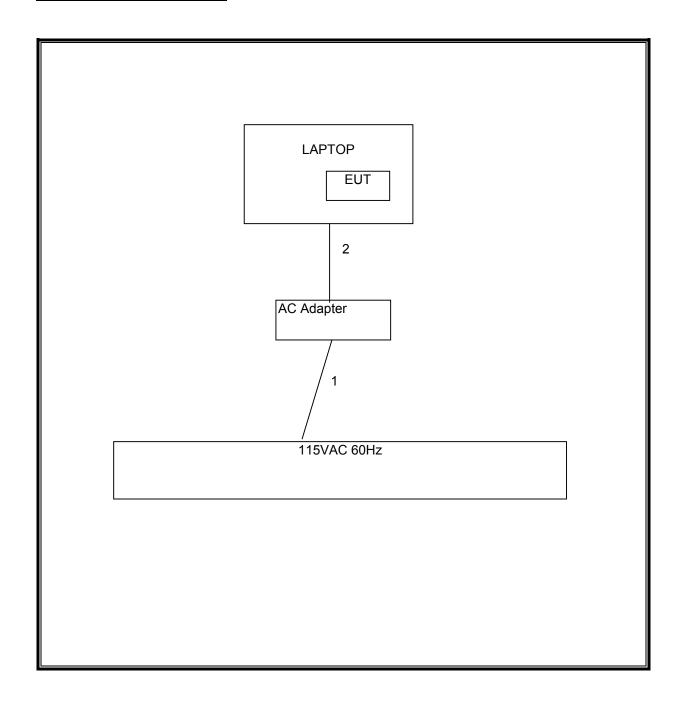
I/O CABLES

I/O CABLE LIST						
Cable Port # of Connector Cable Cable Remarks				Remarks		
No.		Identical	Type	Type	Length	
		Ports				
1	AC	1	US 115V	Un-shielded	2m	NA
2	DC	1	DC	Un-shielded	2m	Ferrite on laptop end

TEST SETUP

The EUT is installed in a host laptop computer during the tests. Test software exercised the radio card.

SETUP DIAGRAM FOR TESTS



6. TEST AND MEASUREMENT EQUIPMENT

The following test and measurement equipment was utilized for the tests documented in this report:

TEST EQUIPMENT LIST					
Description	Manufacturer	Model	Serial Number	Cal Due	
Antenna, Horn 1 ~ 18 GHz	ETS	3117	29301	4/22/2007	
Preamplifier, 1 ~ 26.5 GHz	Agilent / HP	8449B	3008A00561	10/3/2007	
Antenna, Horn 18 ~ 26 GHz	ARA	MWH-1826/B	1049	9/12/2007	
Preamplifier, 1300 MHz	Agilent / HP	8447D	1937A02062	1/23/2008	
Antenna, Bilog 30 MHz ~ 2 Ghz	Sunol Sciences	JB1	A0022704	9/3/2007	
SA RF Section, 1.5 GHz	Agilent / HP	85680B	2814A04227	1/7/2008	
SA Display Section 2	Agilent / HP	85662A	2816A16696	4/7/2008	
Quasi-Peak Adaptor	Agilent / HP	85650A	3145A01654	1/21/2008	
LISN, 10 kHz ~ 30 MHz	FCC	50/250-25-2	114	8/30/2007	
EMI Test Receiver	R&S	ESHS 20	827129/006	6/3/2007	
Peak / Average Power Sensor	Agilent	E9327A	US40440755	12/2/2007	
Peak Power Meter	Agilent / HP	E4416A	GB41291160	12/2/2007	
Spectrum Analyzer 3 Hz ~ 44 GHz	Agilent / HP	E4446A	MY43360112	5/3/2007	
2.4 - 2.5 Reject Filter	Micro Tronics	BRM50702	3	N/A	
7.6 GHz High Pass Filter	Micro Tronics	HPM13350	1	N/A	

7. LIMITS AND RESULTS

7.1. CHANNEL TESTS FOR THE 5150 TO 5350 MHz BAND

7.1.1. AVERAGE POWER

AVERAGE POWER LIMIT

None; for reporting purposes only.

TEST PROCEDURE

The transmitter output is connected to a power meter.

Each chain is measured separately and the total power is calculated using:

Total Power = $10 \log (10^{\circ} (\text{Chain 0 Power} / 10) + 10^{\circ} (\text{Chain 2 Power} / 10))$

RESULTS

No non-compliance noted:

The cable assembly insertion loss of 11.4 dB (including 10 dB pad and 1.4 dB cable) was entered as an offset in the power meter to allow for direct reading of power.

Mode	Frequency	Average Power	Average Power	Average Power	
Channel		Chain A	Chain B	Total	
	(MHz)	(dBm)	(dBm)	(dBm)	
	(1,1112)	(uDiii)	(uziii)	(dDIII)	
802.11a Mode					
Low	5180	16.5	16.4	19.5	
Middle	5260	17.5	17.6	20.6	
High	5320	16.5	16.5	19.5	
802.11n 20MHz	Z				
Low	5180	17.5	17.5	20.5	
Middle	5260	17.5	17.5	20.5	
High	5320	16.4	16.3	19.4	
802.11n 40MHz	Z				
Low	5190	15.4	15.4	18.4	
Middle	5260	17.4	17.5	20.5	
High	5310	15.4	15.5	18.5	
802.11n MIMO	20MHz				
Low	5180	12.6	12.5	15.6	
Middle	5260	14.7	14.6	17.7	
High	5320	14.6	14.4	17.5	
802.11n MIMO	40MHz				
Low	5190	12.7	12.8	15.8	
Middle	5260	14.6	14.7	17.7	
High	5310	14.6	14.7	17.7	

7.2. RADIATED EMISSIONS

7.2.1. TRANSMITTER RADIATED SPURIOUS EMISSIONS

LIMITS

§15.205 (a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
¹ 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2655 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	$\binom{2}{}$
13.36 - 13.41			·

¹ Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

§15.205 (b) Except as provided in paragraphs (d) and (e), the field strength of emissions appearing within these frequency bands shall not exceed the limits shown in Section 15.209. At frequencies equal to or less than 1000 MHz, compliance with the limits in Section 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000 MHz, compliance with the emission limits in Section 15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in Section 15.35 apply to these measurements.

² Above 38 6

§15.209 (a) Except as provided elsewhere in this Subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
30 - 88	100 **	3
88 - 216	150 **	3
216 - 960	200 **	3
Above 960	500	3

^{**} Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this Part, e.g., Sections 15.231 and 15.241.

^{§15.209 (}b) In the emission table above, the tighter limit applies at the band edges.

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TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.4. The EUT is set to transmit in a continuous mode

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 1 MHz for peak measurements and 10 Hz for average measurements.

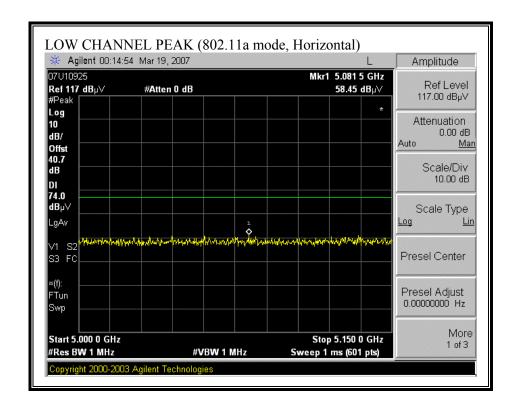
The spectrum from 30 MHz to 26 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in the 2.4 GHz band.

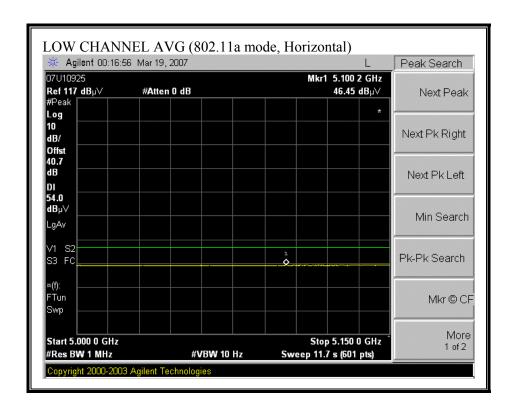
The spectrum from 30 MHz to 40 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each 5 GHz band.

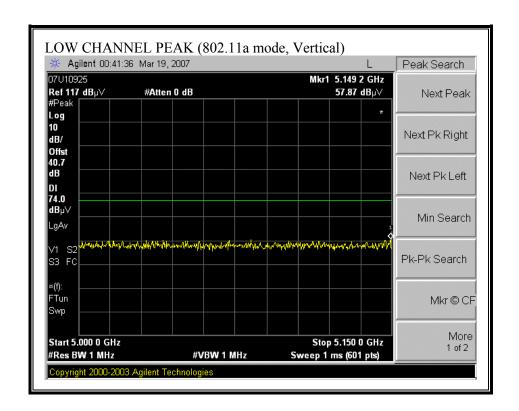
The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions.

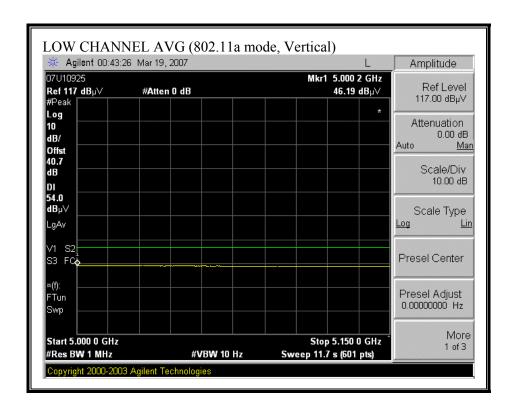
7.2.2. TRANSMITTER ABOVE 1 GHz FOR 5150 TO 5350 MHz BAND

RESTRICTED BANDEDGE (802.11a MODE, LOW CHANNEL)

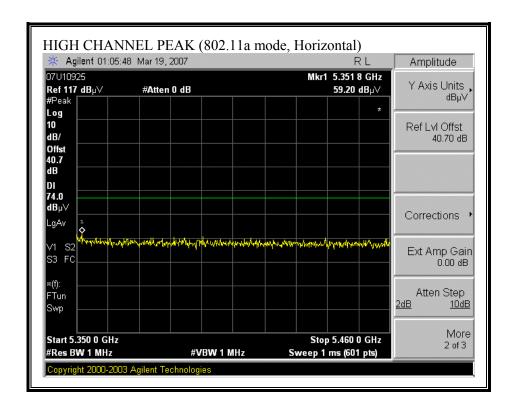


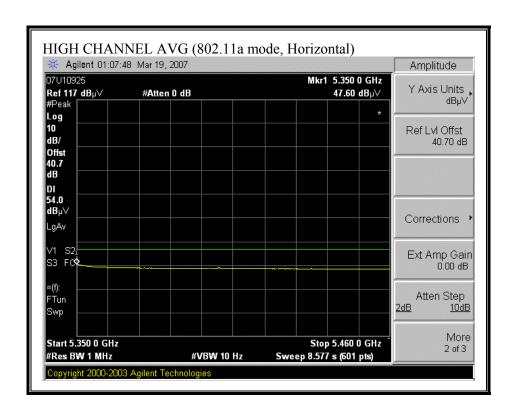


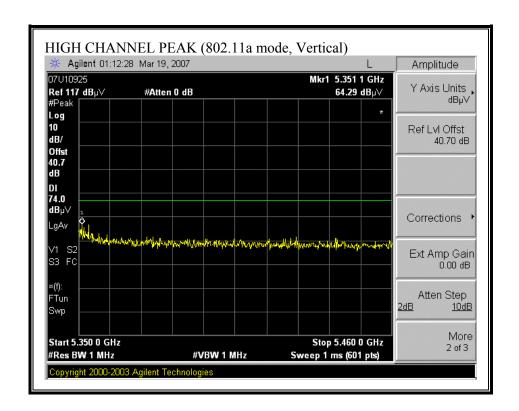


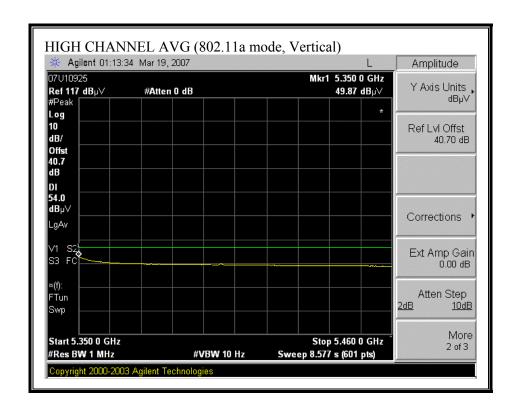


RESTRICTED BANDEDGE (802.11a MODE, HIGH CHANNEL)

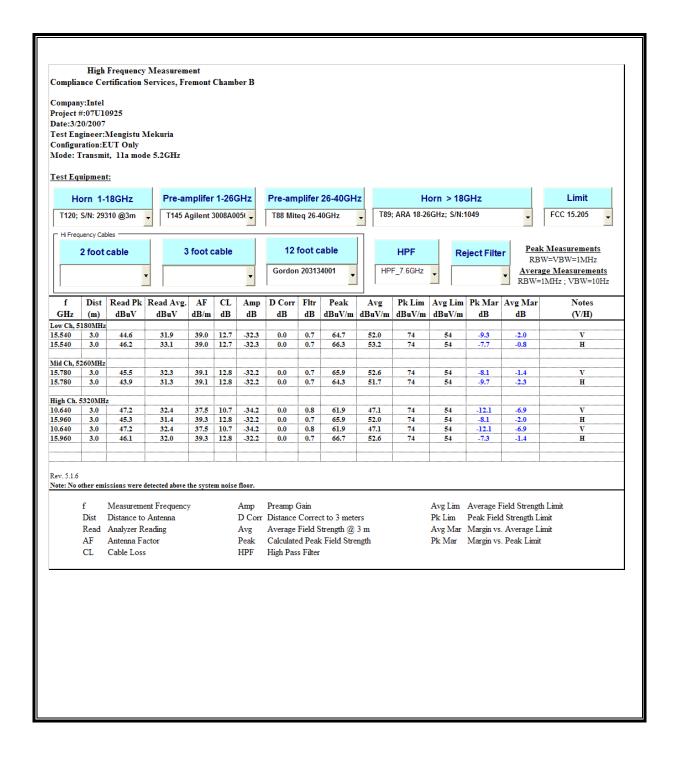




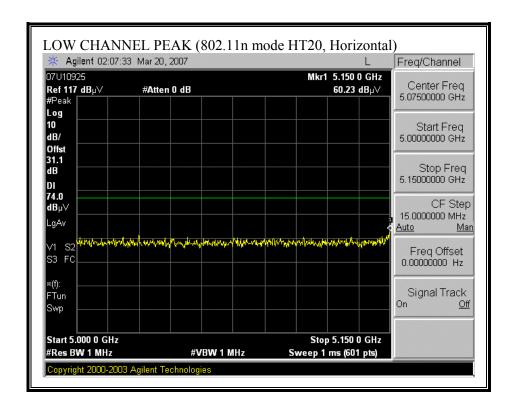


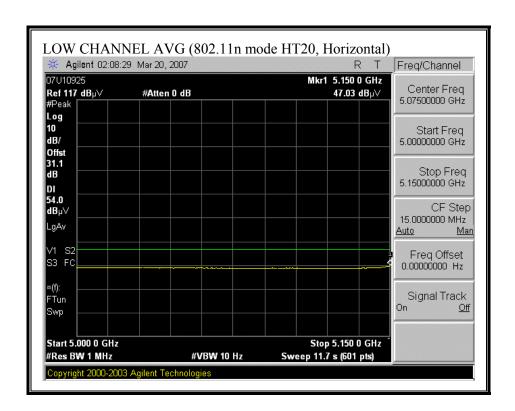


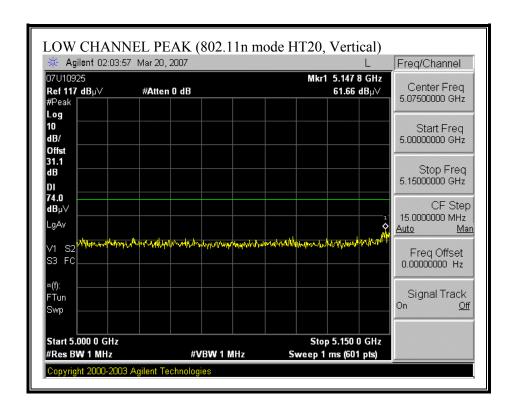
HARMONICS AND SPURIOUS EMISSIONS (802.11a MODE)

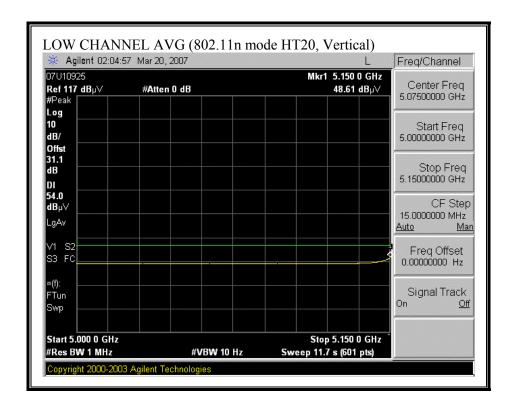


RESTRICTED BANDEDGE (802.11n HT20, LOW CHANNEL)

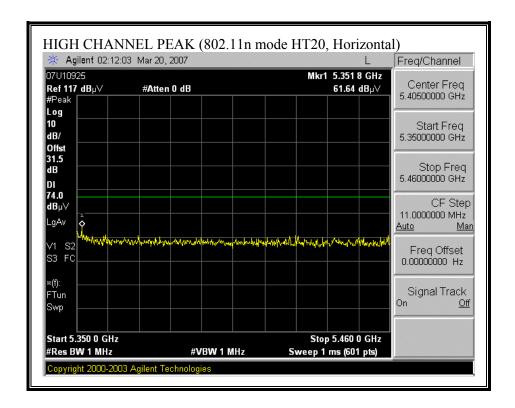


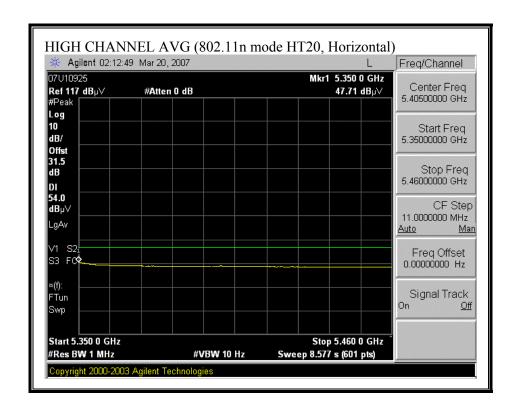


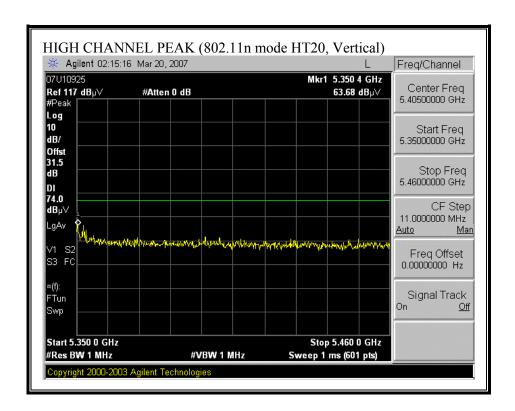


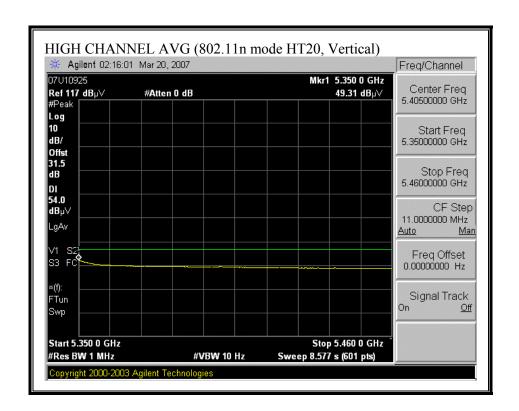


RESTRICTED BANDEDGE (802.11n HT20, HIGH CHANNEL)

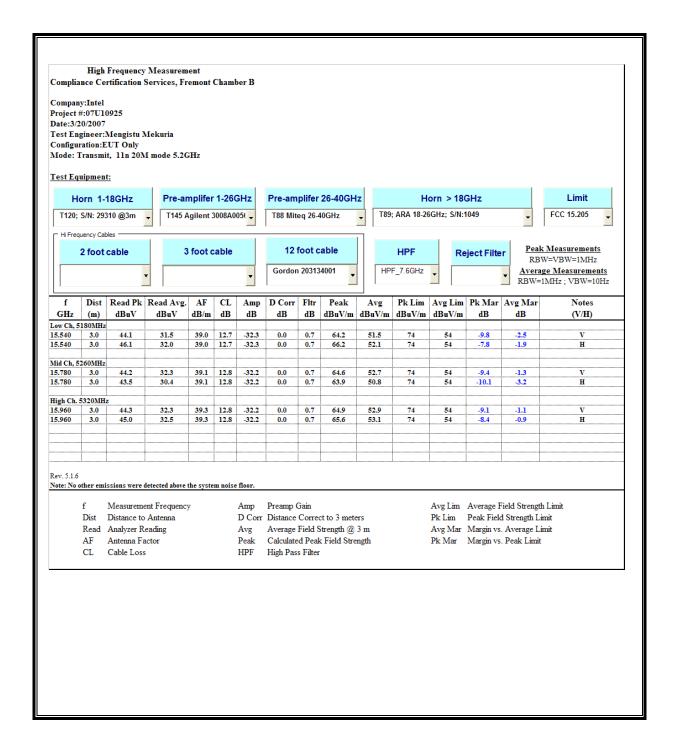




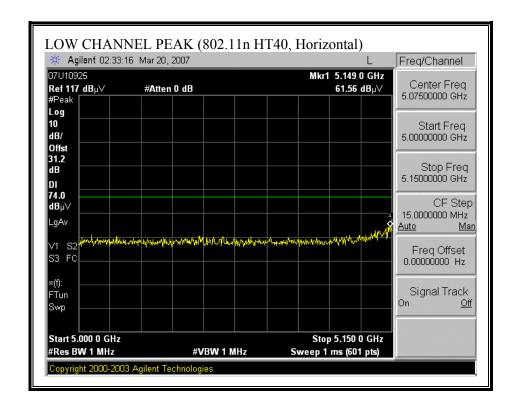


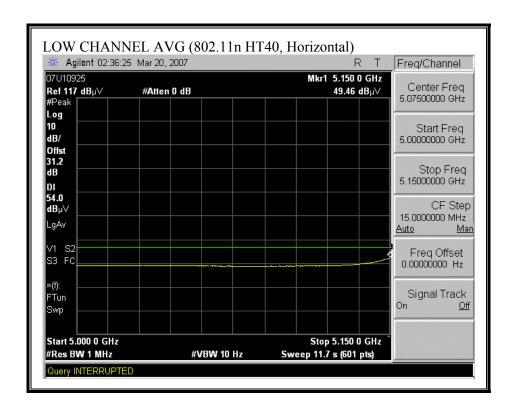


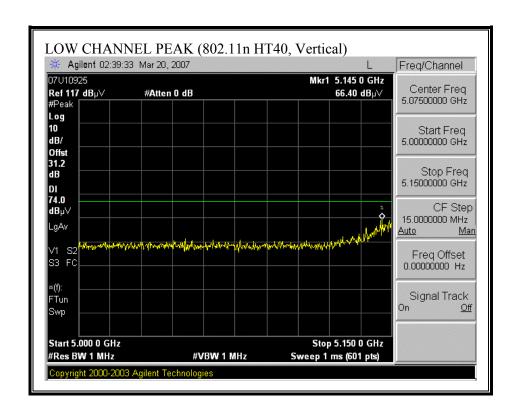
HARMONICS AND SPURIOUS EMISSIONS (802.11n MODE HT20)

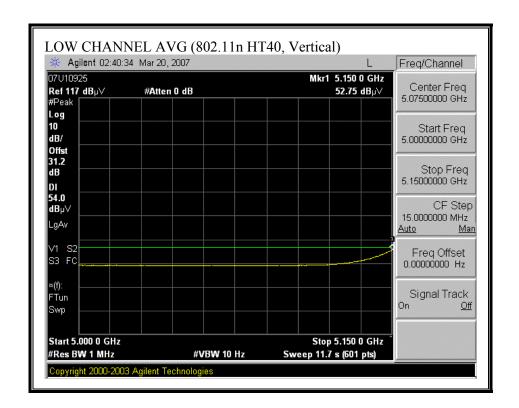


RESTRICTED BANDEDGE (802.11n HT40, LOW CHANNEL)

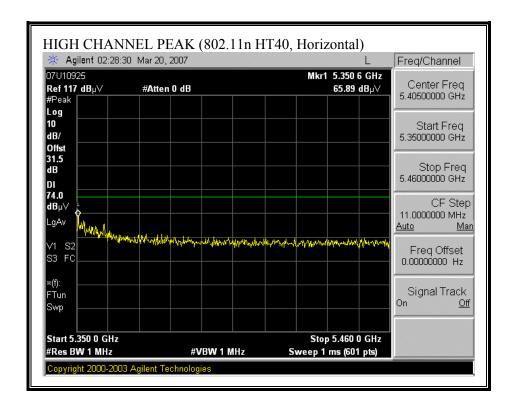


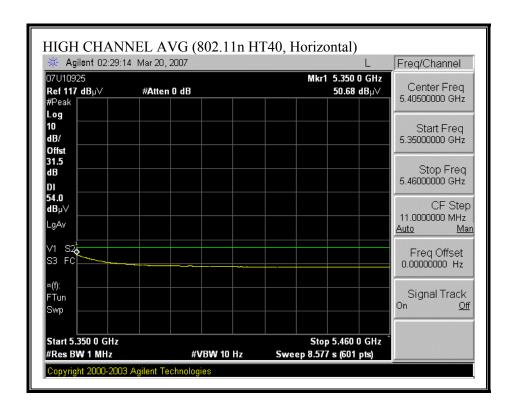


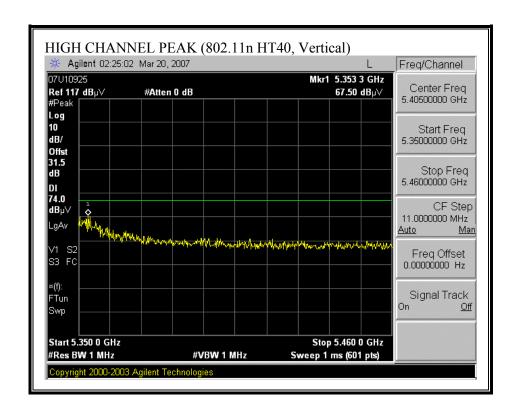


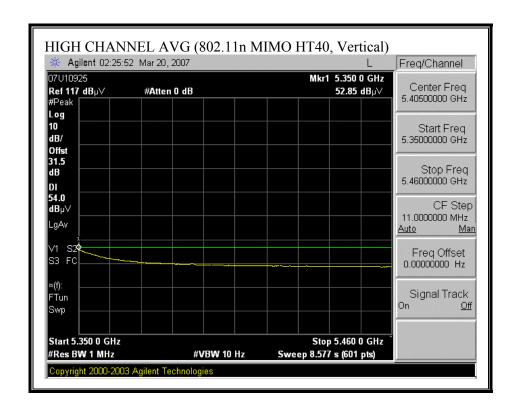


RESTRICTED BANDEDGE (802.11n HT40, HIGH CHANNEL)

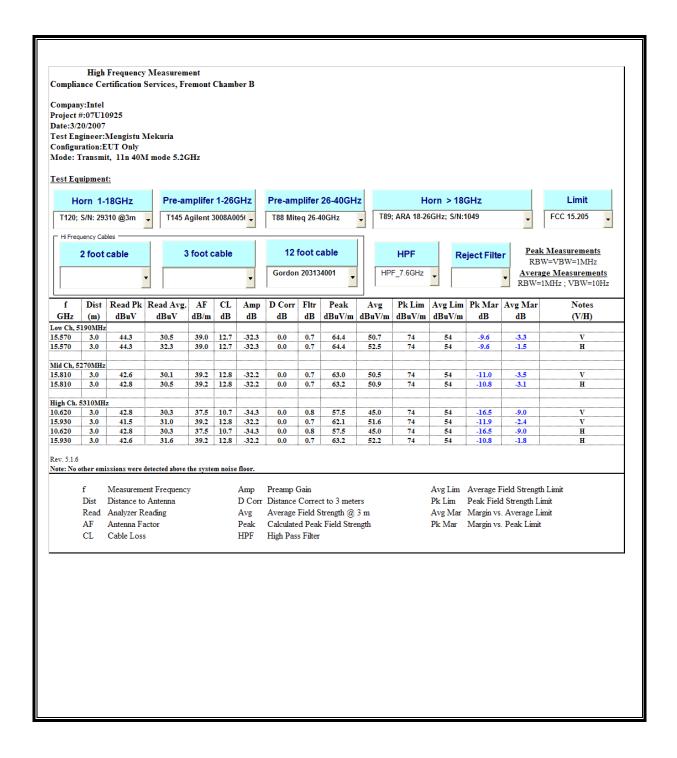




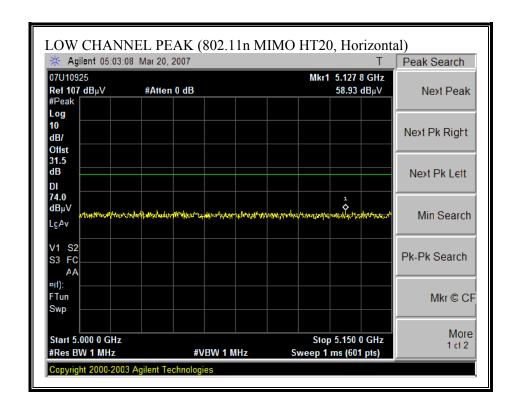


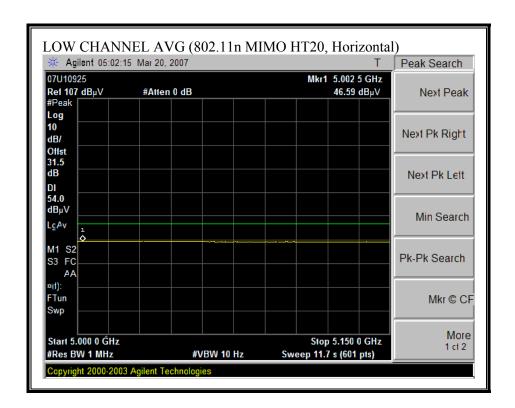


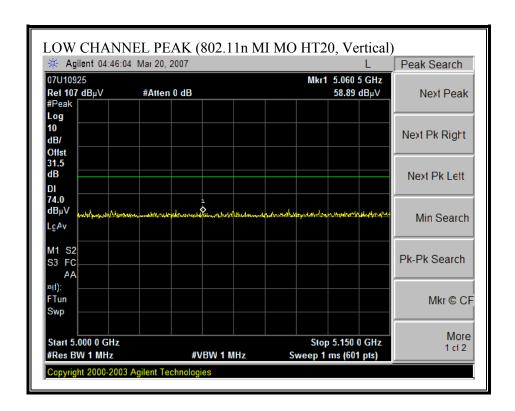
HARMONICS AND SPURIOUS EMISSIONS (802.11n HT40)

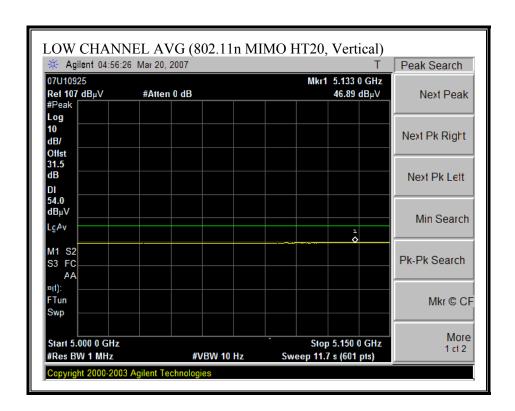


RESTRICTED BANDEDGE (802.11n MIMO HT20, LOW CHANNEL)

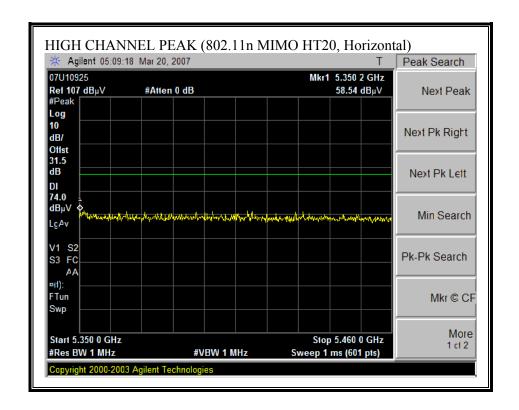


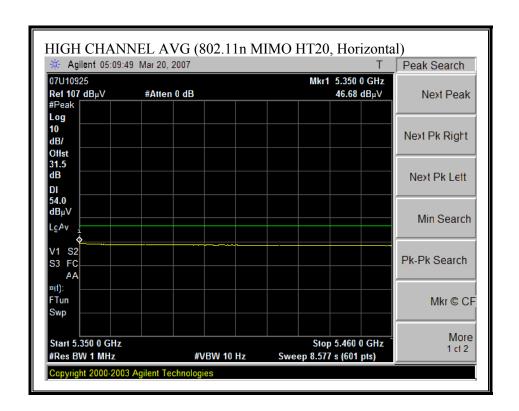


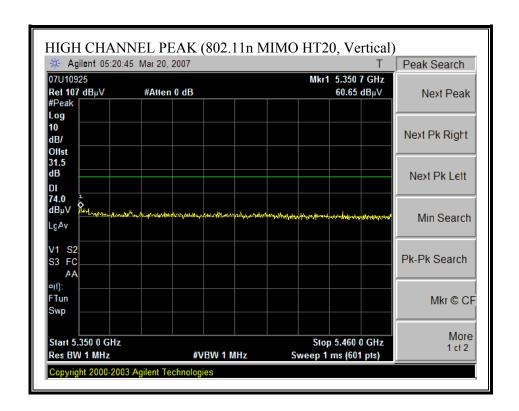


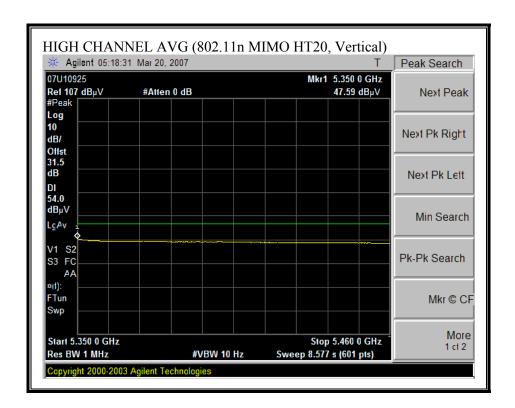


RESTRICTED BANDEDGE (802.11n MIMO HT20, HIGH CHANNEL)

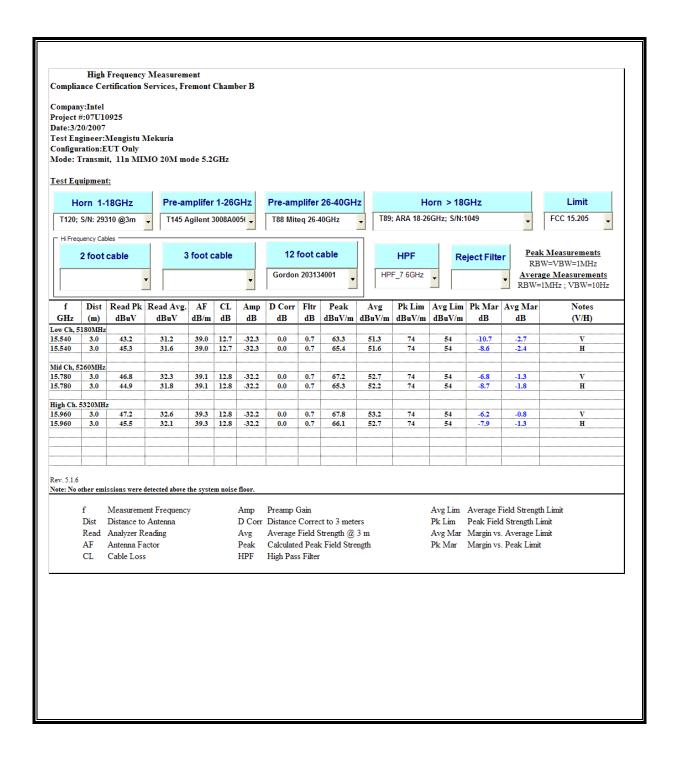




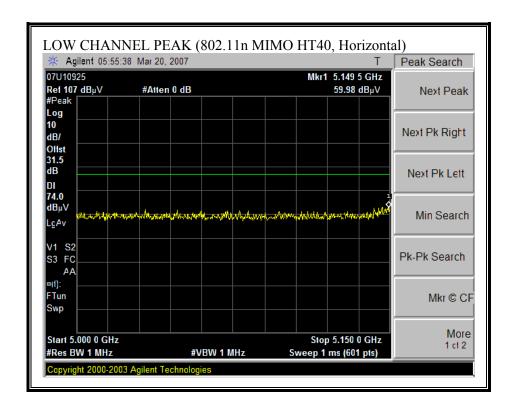


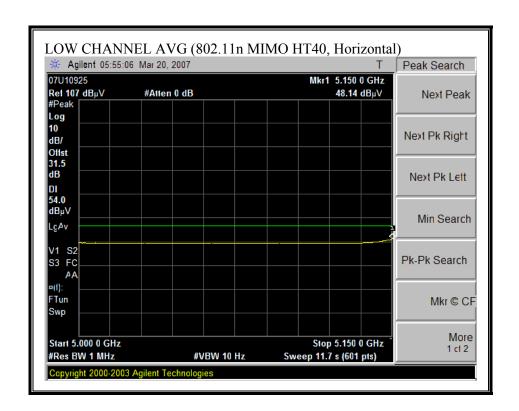


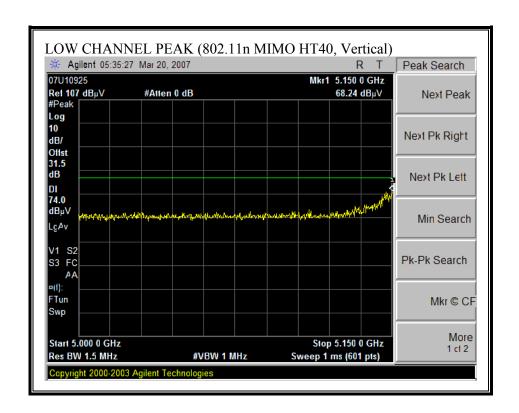
HARMONICS AND SPURIOUS EMISSIONS (802.11n MIMO HT20)

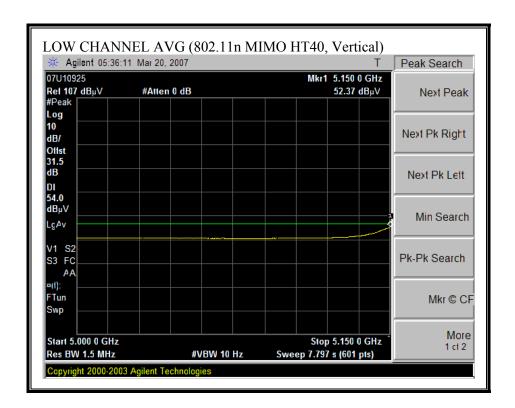


RESTRICTED BANDEDGE (802.11n MIMO HT40, LOW CHANNEL)

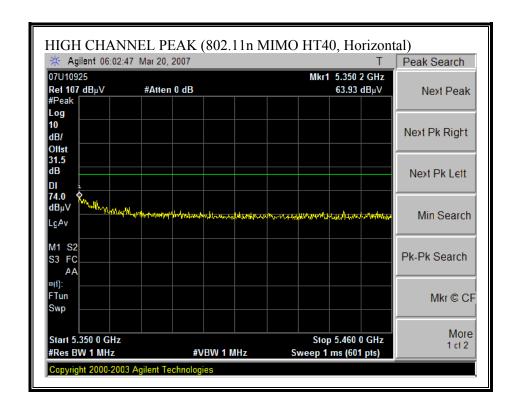


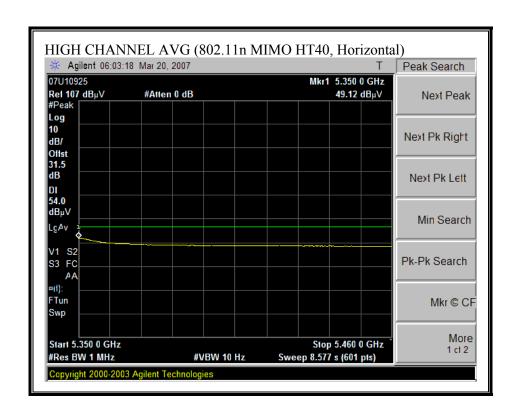


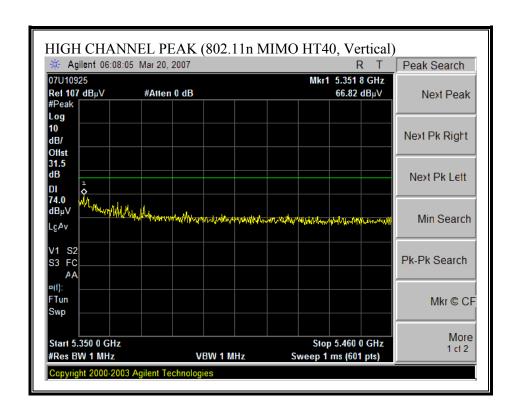


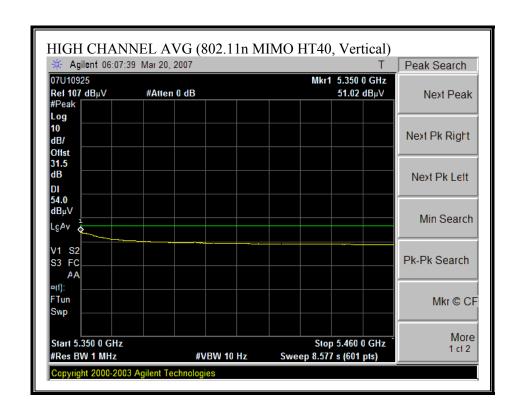


RESTRICTED BANDEDGE (802.11n MIMO HT20, HIGH CHANNEL)

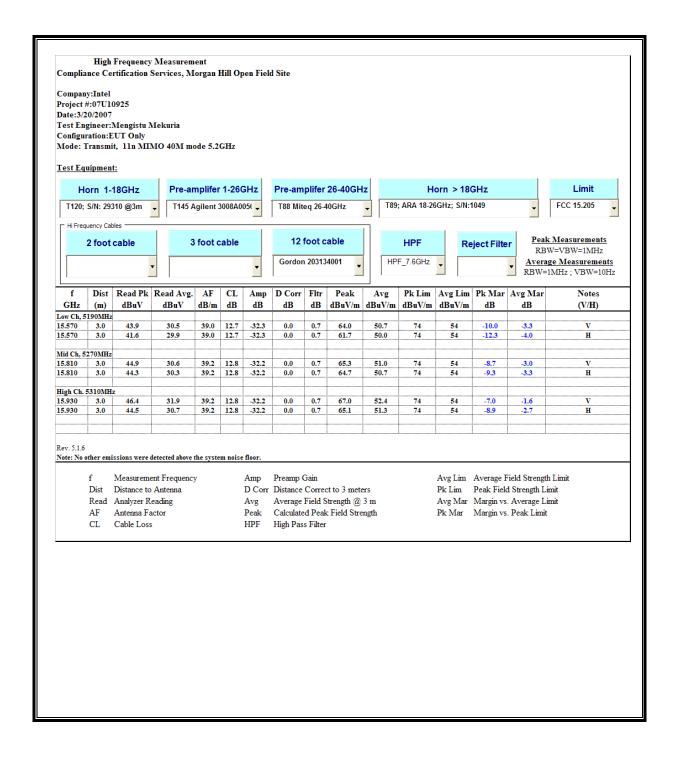






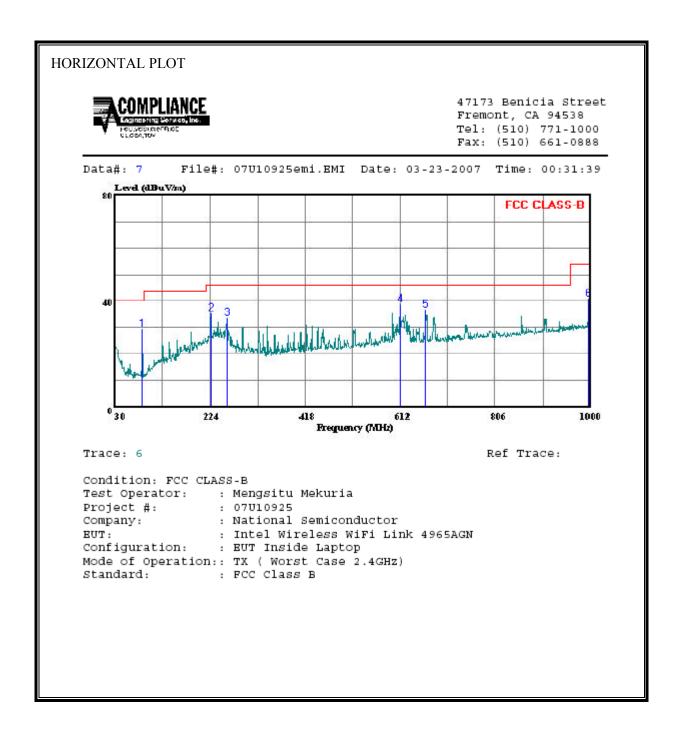


HARMONICS AND SPURIOUS EMISSIONS (802.11n MIMO HT40)



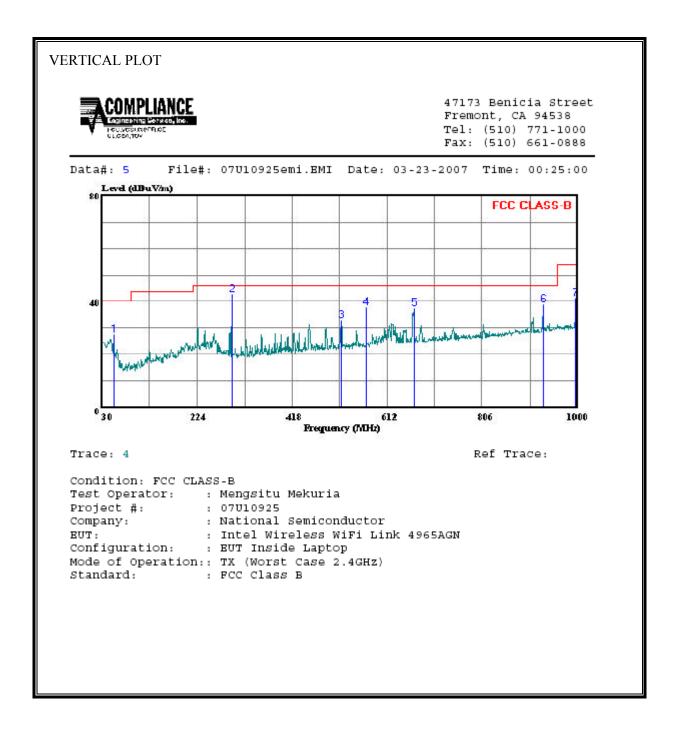
7.2.3. WORST-CASE RADIATED EMISSIONS BELOW 1 GHz

SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION, HORIZONTAL)



								Pa	age: 1
	Brog		Probe Factor				Limit		Romank
	rred	пелет	FACCUI	цова	Factor	пелет	птие	БТШТС	Kenain
	MHz	dBuV	dB	dB	dB	$\overline{\mathtt{dBuV/m}}$	$\overline{\mathtt{dBuV/m}}$	dB	
1	85.290	52.30	7.90	0.97	31.69	29.48	40.00	-10.52	Peak
2	225.940	53.90	11.50	1.60	31.58	35.42	46.00	-10.58	Peak
3	258.920	51.00	12.53	1.72	31.64	33.61	46.00		
4	612.000	48.40	19.44		31.92		46.00		
5	663.410	45.60	20.11		31.96			-9.41	
6	996.120	43.80	23.64	3.60	30.14	40.89	54.00	-13.11	Peak

SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION, VERTICAL)



	Freq	Read Level	Probe Factor		Preamp Factor	Level	Limit Line	Over	age: 1 Remark
	MHZ	dBuV	—— <u>d</u> B	dB	dB	₫BuV/m	$\overline{\mathtt{dB}}\overline{\mathtt{uV}/\mathtt{m}}$	dB	
1	54.250	50.20	8.27	0.75	31.75	27.47	40.00	-12.53	Peak
2	295.780	58.70	13.79	1.84	31.59	42.74	46.00	-3.26	Peak
3	518.880	43.90	18.25	2.52	31.78	32.89	46.00	-13.11	Peak
4	568.350	48.20	18.89	2.62	31.81	37.90	46.00	-8.10	Peak
5	666.320	46.50	20.15	2.85	31.94	37.56	46.00	-8.44	Peak
6	930.160	43.30	23.03	3.55	30.95	38.93	46.00	-7.07	Peak
7	996.120	44.10	23.64	3.60	30.14	41.19	54.00	-12.81	Peak

7.2.4. MAXIMUM PERMISSIBLE EXPOSURE

LIMITS

IC Safety Code 6, Section 2.2.1 (a) A person other than an RF and microwave exposed worker shall not be exposed to electromagnetic radiation in a frequency band listed in Column 1 of Table 5, if the field strength exceeds the value given in Column 2 or 3 of Table 5, when averaged spatially and over time, or if the power density exceeds the value given in Column 4 of Table 5, when averaged spatially and over time.

Table 5
Exposure Limits for Persons Not Classed As RF and Microwave Exposed Workers (Including the General Public)

1 Frequency (MHz)	2 Electric Field Strength; rms (V/m)	3 Magnetic Field Strength; rms (A/m)	4 Power Density (W/m ²)	5 Averaging Time (min)
0.003-1	280	2.19		6
1–10	280/f	2.19/ <i>f</i>		6
10–30	28	2.19/f		6
30–300	28	0.073	2*	6
300–1 500	1.585 $f^{0.5}$	0.0042f ^{0.5}	f/150	6
1 500–15 000	61.4	0.163	10	6
15 000–150 000	61.4	0.163	10	616 000 /f ^{1.2}
150 000–300 000	0.158f ^{0.5}	4.21 x 10 ⁻⁴ f ^{0.5}	6.67 x 10 ⁻⁵ f	616 000 /f ^{1.2}

^{*} Power density limit is applicable at frequencies greater than 100 MHz.

Notes: 1. Frequency, f, is in MHz.

2. A power density of 10 W/m² is equivalent to 1 mW/cm².

 A magnetic field strength of 1 A/m corresponds to 1.257 microtesla (μT) or 12.57 milligauss (mG).

CALCULATIONS

Given

 $E = \sqrt{(30 * P * G)} / d$

and

 $S = E ^2 / 377$

where

E = Field Strength in Volts/meter

P = Power in Watts

G = Numeric antenna gain

d = Distance in meters

S = Power Density in watts/square meter

Combining equations and rearranging the terms to express the distance as a function of the remaining variables yields:

$$d = \sqrt{((30 * P * G) / (377 * S))}$$

Changing Power to units of mW and Distance to units of cm, using:

P(mW) = P(W) / 1000 and

d(cm) = 100 * d(m)

yields

 $d = 100 * \sqrt{(30 * (P / 1000) * G) / (377 * S)}$

 $d = 0.892 * \sqrt{(P * G / S)}$

where

d = distance in cm

P = Power in mW

G = Numeric antenna gain

 $S = Power Density in W/m^2$

Substituting the logarithmic form of power and gain using:

 $P (mW) = 10 ^ (P (dBm) / 10)$ and

G (numeric) = $10 ^ (G (dBi) / 10)$

yields

 $d = 0.892 * 10 ^ ((P + G) / 20) / \sqrt{S}$

where

d = MPE distance in cm

P = Power in dBm

G = Antenna Gain in dBi

 $S = Power Density Limit in W/m^2$

Rearranging terms to calculate the power density at a specific distance yields

$$S = 0.795 * 10 ^ ((P + G) / 10) / (d^2)$$

LIMITS

From IC Safety Code 6, Section 2.2 Table 5 Column 4, S = 10 W/m²

RESULTS

No non-compliance noted: (MPE distance equals 20 cm)

Mode	MPE	Output	Antenna	Power
	Distance	Power	Gain	Density
	(cm)	(dBm)	(dBi)	(W/m^2)

NOTE: For mobile or fixed location transmitters, the minimum separation distance is 20 cm, even if calculations indicate that the MPE distance would be less.

7.3. POWERLINE CONDUCTED EMISSIONS

LIMIT

 $\S15.207$ (a) Except as shown in paragraphs (b) and (c) of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table, as measured using a 50 μ H/50 ohms line impedance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal.

The lower limit applies at the boundary between the frequency ranges.

Frequency of Emission (MHz)	Conducted Limit (dBuV)			
	Quasi-peak	Average		
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.

TEST PROCEDURE

The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.4.

The resolution bandwidth is set to 9 kHz for both peak detection and quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

Line conducted data is recorded for both NEUTRAL and HOT lines.

RESULTS

No non-compliance noted:

6 WORST EMISSIONS

F			CTED EMISS				r		
Freq.	Reading			Closs	Limit	EN_B	Margin		Remark
(MHz)	PK (dBuV)	QP (dBuV)	AV (dBuV)	(dB)	QP	AV	QP (dB)	AV (dB)	L1 / L2
0.19	53.62		32.38	0.00	64.12	54.12	-10.50	-21.74	L1
4.85	38.10			0.00	56.00	46.00	-17.90	-7.90	L1
13.62	43.12			0.00	60.00	50.00	-16.88	-6.88	L1
0.20	49.41		36.98	0.00	63.61	53.61	-14.20	-16.63	L2
4.53	35.88			0.00	56.00	46.00	-20.12	-10.12	L2
13.70	43.06			0.00	60.00	50.00	-16.94	-6.94	L2
6 Worst I	Data								

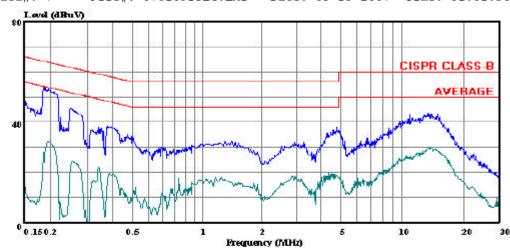
LINE 1 RESULTS



Compliance Certification Services

47173 Benicia Street Fremont, CA 94538 Tel: (510) 771-1000 Fax: (510) 661-0888

Data#: 7 File#: 07U10925LC.EMI Date: 03-23-2007 Time: 01:01:30



Trace: 5 Ref Trace:

Condition: CISPR CLASS-B

Test Operator: : Mengsitu Mekuria

Project #:

: 07U10925 : National Semiconductor Company:

BUT: : Intel Wireless WiFi Link 4965AGN Configuration: : BUT Inside Laptop

Mode of Operation:: TX Worst Case Standard: : FCC Class B

: L1: Blue(Peak), Green(Average)

LINE 2 RESULTS

