



Product Name	IEEE 802.11b/g/n USB Wireless module
Model No	DAW-NU109H
FCC ID.	DoC

Applicant	D-Link Corporation
Address	17595 Mt. Herrmann, Fountain Valley, California, United States.

Date of Receipt	Jul. 19, 2010
Issue Date	Jul. 30, 2010
Report No.	107272R-RFUSP37V02
Report Version	V1.0

The test results relate only to the samples tested.

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Test Report Certification

Issue Date: Jul. 30, 2010

Report No.: 107272R-RFUSP37V02



Accredited by NIST (NVLAP) NVLAP Lab Code: 200533-0

Product Name	IEEE 802.11b/g/n USB Wireless module			
Applicant	D-Link Corporation			
Address	17595 Mt. Herrmann, Fountain Valley, California, United States.			
Manufacturer	AzureWave Technologies, Inc.			
Model No.	DAW-NU109H			
FCC ID.	DoC			
EUT Rated Voltage	DC 3.3			
EUT Test Voltage	AC 120V / 60Hz			
Trade Name	D-Link			
Applicable Standard	FCC CFR Title 47 Part 15 Subpart B: 2009			
	ANSI C63.4: 2003			
Test Result	Complied NVLAP Lab Code: 200533-0 U			

The test results relate only to the samples tested.

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Documented By:

Approved By

(Adm. Specialist /Joanne Lin)

Tested By :

(Engineer / Joe Guo)

(Manager / Vincent Lin)





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Attachment 1: EUT Test Photographs

Attachment 2: EUT Detailed Photographs



1. GENERAL INFORMATION

1.1. EUT Description

Product Name	IEEE 802.11b/g/n USB Wireless module			
Trade Name	D-Link			
Model No.	DAW-NU109H			
FCC ID.	DoC			
Frequency Range	2412-2462MHz for 802.11b/g/n-20BW,			
	2422-2452Mhz for 802.11n-40BW			
Number of Channels	802.11b/g/n-20MHz: 11, n-40MHz: 7			
Data Speed	802.11b: 1-11Mbps, 802.11g: 6-54Mbps, 802.11n: 7.2-150Mbps			
Type of Modulation WLAN: 802.11b:DSSS				
	DBPSK, DQPSK, CCK			
	802.11g/n:OFDM			
	BPSK, QPSK, 16QAM, 64QAM			
Antenna Type	PIFA			
Antenna Gain	Refer to the table "Antenna List"			
Channel Control	Auto			

Antenna List

No.	Manufacturer	Part No.	Peak Gain
1	FAVORTRON	E773700193 (MAIN)	3.35dBi for 2.4GHz
		E773700194 (AUX)	



802.11b/g/n-20MHz Center Frequency of Each Channel:

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
Channel 01:	2412 MHz	Channel 02:	2417 MHz	Channel 03:	2422 MHz	Channel 04:	2427 MHz
Channel 05:	2432 MHz	Channel 06:	2437 MHz	Channel 07:	2442 MHz	Channel 08:	2447 MHz
Channel 09:	2452 MHz	Channel 10:	2457 MHz	Channel 11:	2462 MHz		

802.11n-40MHz Center Frequency of Each Channel:

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
Channel 01:	2422 MHz	Channel 02:	2427 MHz	Channel 03:	2432 MHz	Channel 04:	2437 MHz
Channel 05:	2442 MHz	Channel 06:	2447 MHz	Channel 07:	2452 MHz		

- 1. The EUT is an IEEE 802.11b/g/n USB Wireless module with a built-in 2.4GHz WLAN.
- 2. Regarding to the operation frequency, the lowest, middle and highest frequency are selected to perform the test.
- 3. These tests are conducted on a sample for demonstrating the compliance of 802.11b/g/n and receiver with Part 15 Subpart B.
- 4. Part 15 Subpart C compliance for spread spectrum devices is shown on the report no. 107272R-RFUSP28V01 and certified under FCC ID: KA2AWNU109HA1

Test Mode:	Mode 1: Receiver (802.11n MCS0 7.2Mbps 20M-BW)
	Mode 2: Receiver (802.11n MCS0 15Mbps 40M-BW)



1.2. Tested System Details

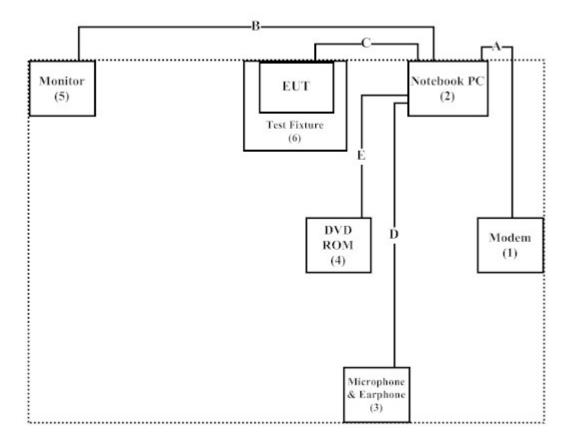
The types for all equipment, plus descriptions of all cables used in the tested system (including inserted cards) are:

	Product	Manufacturer	Model No.	Serial No.	Power Cord
1	Modem	ACEEX	DM-1414	0102027539	Shielded, 1.8m
2	Notebook PC	DELL	PPT	N/A	N/A
3	Microphone & Earphone	Lobos	LB-EW020	N/A	N/A
4	DVD ROM	DELL	PD01S	N/A	N/A
5	Monitor	Dell	2407WFPb	CN-0FC255-46633 -67T-04GS	Shielded, 1.8m
6	Test Fixture	AzureWave	N/A	N/A	N/A

Signal Cable Type		Signal cable Description
A	RS-232 Cable	Non-Shielded, 1.2m
В	VGA Cable	Shielded, 1.8m, with two ferrite cores bonded.
С	USB Cable	Shielded, 1.2m
D	Microphone & Earphone Cable	Non-Shielded, 2m
Е	USB Cable	Non-Shielded, 0.6m



1.3. Configuration of Tested System



1.4. EUT Exercise Software

- (1) Setup the EUT as shown in Section 1.3.
- (2) Execute "TELNET Ver1.0" on the EUT.
- (3) Configure the test mode, the test channel, and the data rate.
- (4) Press "OK" to start the continuous receiver.
- (5) Verify that the EUT works properly.



1.5. Test Facility

Ambient conditions in the laboratory:

Items	Required (IEC 68-1)	Actual
Temperature (°C)	15-35	20-35
Humidity (%RH)	25-75	50-65
Barometric pressure (mbar)	860-1060	950-1000

The related certificate for our laboratories about the test site and management system can be downloaded from

QuieTek Corporation's Web Site: http://www.quietek.com/tw/ctg/cts/accreditations.htm

The address and introduction of QuieTek Corporation's laboratories can be founded in our Web

site: http://www.quietek.com/

Site Description: File on

Federal Communications Commission

FCC Engineering Laboratory 7435 Oakland Mills Road Columbia, MD 21046

Registration Number: 92195

Accreditation on NVLAP NVLAP Lab Code: 200533-0

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FCC Accreditation Number: TW1014









2. Conducted Emission

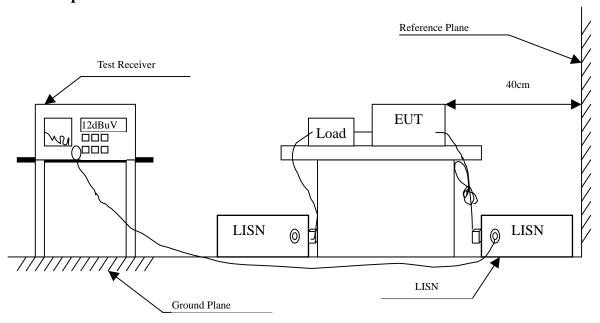
2.1. Test Equipment

The following test equipment are used during the conducted emission test:

Item	Instrument	Manufacturer	Type No./Serial No	Last Cal.	Remark
1	Test Receiver	R & S	ESCS 30/825442/17	May, 2010	
2	L.I.S.N.	R & S	ESH3-Z5/825016/6	May, 2010	EUT
3	L.I.S.N.	Kyoritsu	KNW-407/8-1420-3	May, 2010	Peripherals
4	Pulse Limiter	R & S	ESH3-Z2	May, 2010	
5	No.1 Shielded Room	m		N/A	

Note: All instruments are calibrated every one year.

2.2. Test Setup





2.3. Limits

FCC Part 15 Subpart B Paragraph 15.107 (dBuV) Limit					
Frequency	Limits				
MHz	QP	AVG			
0.15 - 0.50	66-56	56-46			
0.50-5.0	56	46			
5.0 - 30	60	50			

2.4. Test Procedure

The EUT and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm /50uH coupling impedance with 50ohm termination. (Please refers to the block diagram of the test setup and photographs.)

Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.4: 2003 on conducted measurement.

Conducted emissions were invested over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9kHz.

2.5. Uncertainty

± 2.26 dB



2.6. Test Result of Conducted Emission

Product : IEEE 802.11b/g/n USB Wireless module

Test Item : Conducted Emission Test

Power Line : Line 1

Test Mode : Mode 2: Receiver (802.11n MCS0 15Mbps 40M-BW) (2437MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV	dB	dBuV
Line 1					
Quasi-Peak					
0.181	9.724	37.530	47.254	-17.860	65.114
0.212	9.698	32.420	42.118	-22.111	64.229
0.295	9.652	31.000	40.652	-21.205	61.857
0.806	9.650	12.740	22.390	-33.610	56.000
2.084	9.680	13.790	23.470	-32.530	56.000
4.447	9.700	20.180	29.880	-26.120	56.000
Average					
0.181	9.724	24.910	34.634	-20.480	55.114
0.212	9.698	13.180	22.878	-31.351	54.229
0.295	9.652	7.040	16.692	-35.165	51.857
0.806	9.650	5.350	15.000	-31.000	46.000
2.084	9.680	10.530	20.210	-25.790	46.000
4.447	9.700	13.180	22.880	-23.120	46.000

- 1. All Reading Levels are Quasi-Peak and average value.
- 2. "means the worst emission level.
- 3. Measurement Level = Reading Level + Correct Factor



Test Item : Conducted Emission Test

Power Line : Line 2

Test Mode : Mode 2: Receiver (802.11n MCS0 15Mbps 40M-BW) (2437MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV	dB	dBuV
Line 2					
Quasi-Peak					
0.173	9.739	37.790	47.529	-17.814	65.343
0.212	9.708	31.920	41.628	-22.601	64.229
0.314	9.660	27.650	37.310	-24.004	61.314
0.736	9.656	13.630	23.286	-32.714	56.000
1.123	9.670	11.180	20.850	-35.150	56.000
4.353	9.700	19.860	29.560	-26.440	56.000
Average					
0.173	9.739	22.730	32.469	-22.874	55.343
0.212	9.708	4.600	14.308	-39.921	54.229
0.314	9.660	14.640	24.300	-27.014	51.314
0.736	9.656	9.850	19.506	-26.494	46.000
1.123	9.670	7.570	17.240	-28.760	46.000
4.353	9.700	16.300	26.000	-20.000	46.000

- 1. All Reading Levels are Quasi-Peak and average value.
- 2. " means the worst emission level.
- 3. Measurement Level = Reading Level + Correct Factor



3. Radiated Emission

3.1. Test Equipment

The following test equipment are used during the radiated emission test:

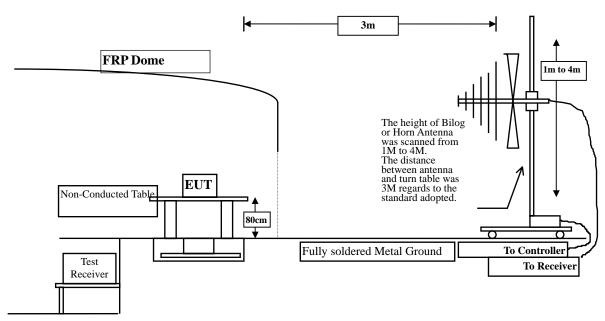
Test Site		Equipment	Manufacturer	Model No./Serial No.	Last Cal.
	X	Bilog Antenna	Schaffner Chase	CBL6112B/2673	Sep., 2009
	X	Horn Antenna	Schwarzbeck	BBHA9120D/D305	Sep., 2009
	X	Horn Antenna	Schwarzbeck	BBHA9170/208	Jul., 2010
⊠Site # 3	X	Pre-Amplifier	HP	8447D/2944A09549	Sep., 2009
	X	Test Receiver	R & S	ESCS 30/ 825442/018	Sep., 2009
	X	Spectrum Analyzer	Advantest	R3162/91700283	Oct., 2009
	X	Coaxial Cable	QuieTek	QTK-CABLE/ CAB5	Feb., 2010
	X	Controller	QuieTek	QTK-CONTROLLER/ CTRL3	N/A
	X	Coaxial Switch	Anritsu	MP59B/6200265729	N/A

- 1. All instruments are calibrated every one year.
- 2. The test instruments marked by "X" are used to measure the final test results.

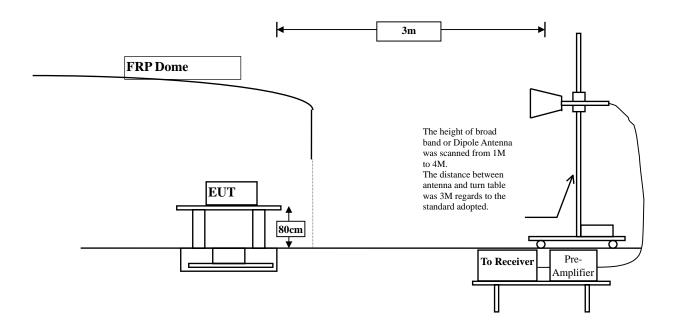


3.2. Test Setup

Below 1GHz



Above 1GHz





3.3. Limits

FCC Part 15 Subpart B Paragraph 15.109 Limits					
Frequency MHz	uV/m @3m	dBuV/m@3m			
30-88	100	40			
88-216	150	43.5			
216-960	200	46			
Above 960	500	54			

- Remarks: 1. RF Voltage $(dBuV) = 20 \log RF \text{ Voltage } (uV)$
 - 2. In the Above Table, the tighter limit applies at the band edges.
 - 3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

3.4. **Test Procedure**

The EUT and its simulators are placed on a turn table which is 0.8 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna is scanned between 1 meter and 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.4:2003 on radiated measurement.

The resolution bandwidth below 1GHz setting on the field strength meter is 120 kHz and above 1GHz is 1MHz.

Radiated emission measurements below 1GHz are made using broadband Bilog antenna and above 1GHz are made using Horn Antennas.

The measurement is divided into the Preliminary Measurement and the Final Measurement.

The suspected frequencies are searched for in Preliminary Measurement with the measurement antenna kept pointed at the source of the emission both in azimuth and elevation, with the polarization of the antenna oriented for maximum response. The antenna is pointed at an angle towards the source of the emission, and the EUT is rotated in both height and polarization to maximize the measured emission. The emission is kept within the illumination area of the 3 dB beamwidth of the antenna.

The worst radiated emission is measured in the Open Area Test Site on the Final Measurement. The frequency range from 30MHz to 10th harminics is checked.



3.5. Uncertainty

- ± 3.9 dB above 1GHz
- \pm 3.8 dB below 1GHz



3.6. Test Result of Radiated Emission

Product : IEEE 802.11b/g/n USB Wireless module

Test Item : Harmonic Radiated Emission Data

Test Site : No.3 OATS

Test Mode : Mode 1: Receiver (802.11n MCS0 7.2Mbps 20M-BW) (2412MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
2412.000	-4.644	39.450	34.807	-39.193	74.000
4824.000	0.246	39.510	39.757	-34.243	74.000
7236.000	7.359	36.700	44.059	-29.941	74.000
9648.000	7.759	35.570	43.330	-30.670	74.000
Average					
Detector:					
Vertical					
Peak Detector:					
2412.000	-6.167	38.340	32.174	-41.826	74.000
4824.000	0.654	39.900	40.555	-33.445	74.000
7236.000	7.858	36.920	44.778	-29.222	74.000
9648.000	8.296	37.510	45.806	-28.194	74.000
Average					
Detector:					

- 1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
- 2. Receiver setting (Peak Detector): RBW:1MHz; VBW:3MHz; Span:10MHz •
- 3. Receiver setting (AVG Detector): RBW:1MHz; VBW:10Hz; Span:10MHz •
- 4. Emission Level = Reading Level + Correct Factor.
- 5. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.



Test Item : Harmonic Radiated Emission Data

Test Site : No.3 OATS

Test Mode : Mode 1: Receiver (802.11n MCS0 7.2Mbps 20M-BW) (2437 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal Peak Detector:					
2437.000	-4.637	37.970	33.333	-40.667	74.000
4874.000	-0.058	39.450	39.393	-34.607	74.000
7311.000	7.672	37.100	44.772	-29.228	74.000
9748.000	7.753	37.160	44.913	-29.087	74.000
Average Detector:					
Vertical					
Peak Detector:					
2437.000	-6.106	38.330	32.224	-41.776	74.000
4874.000	0.398	39.360	39.758	-34.242	74.000
7311.000	8.249	37.370	45.619	-28.381	74.000
9748.000	8.389	37.220	45.610	-28.390	74.000
Average Detector:					

--

- 1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
- 2. Receiver setting (Peak Detector): RBW:1MHz; VBW:3MHz; Span:10MHz •
- 3. Receiver setting (AVG Detector): RBW:1MHz; VBW:10Hz; Span:10MHz •
- 4. Emission Level = Reading Level + Correct Factor.
- 5. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.



Test Item : Harmonic Radiated Emission Data

Test Site : No.3 OATS

Test Mode : Mode 1: Receiver (802.11n MCS0 7.2Mbps 20M-BW) (2462 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					_
Peak Detector:					
2462.000	-4.623	39.260	34.637	-39.363	74.000
4924.000	0.063	39.320	39.383	-34.617	74.000
7386.000	8.504	36.620	45.125	-28.875	74.000
9848.000	8.156	37.590	45.746	-28.254	74.000
Amono					
Average Detector:					
Vertical					
Peak Detector:					
2462.000	-6.035	38.510	32.475	-41.525	74.000
4924.000	0.677	38.890	39.567	-34.433	74.000
7386.000	9.311	36.480	45.791	-28.209	74.000
9848.000	8.993	37.620	46.612	-27.388	74.000

Average

Detector:

__

- 1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
- 2. Receiver setting (Peak Detector) : RBW:1MHz; VBW:3MHz; Span:10MHz \circ
- 3. Receiver setting (AVG Detector): RBW:1MHz; VBW:10Hz; Span:10MHz •
- 4. Emission Level = Reading Level + Correct Factor.
- 5. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.



Test Item : Harmonic Radiated Emission Data

Test Site : No.3 OATS

Test Mode : Mode 2: Receiver (802.11n MCS0 15Mbps 40M-BW) (2422MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
2422.000	-4.641	38.070	33.429	-40.571	74.000
4844.000	0.098	39.100	39.199	-34.801	74.000
7266.000	7.264	37.440	44.704	-29.296	74.000
9688.000	7.693	37.420	45.113	-28.887	74.000
Average Detector:					
Vertical					
Peak Detector:					
2422.000	-6.143	38.250	32.108	-41.892	74.000
4844.000	0.525	39.330	39.856	-34.144	74.000
7266.000	7.784	37.060	44.844	-29.156	74.000
9688.000	8.314	36.970	45.283	-28.717	74.000
Average Detector:					

- 1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
- 2. Receiver setting (Peak Detector): RBW:1MHz; VBW:3MHz; Span:10MHz •
- 3. Receiver setting (AVG Detector): RBW:1MHz; VBW:10Hz; Span:10MHz •
- 4. Emission Level = Reading Level + Correct Factor.
- 5. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.



Test Item : Harmonic Radiated Emission Data

Test Site : No.3 OATS

Test Mode : Mode 2: Receiver (802.11n MCS0 15Mbps 40M-BW) (2437 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
2437.000	-4.637	38.900	34.263	-39.737	74.000
4874.000	-0.058	37.130	37.073	-36.927	74.000
7311.000	7.672	37.430	45.102	-28.898	74.000
9748.000	7.753	37.730	45.483	-28.517	74.000
Average					
Detector:					
Vertical					
Peak Detector:					
2437.000	-6.106	38.550	32.444	-41.556	74.000
4874.000	0.398	38.990	39.388	-34.612	74.000
7311.000	8.249	36.590	44.839	-29.161	74.000
9748.000	8.389	37.360	45.750	-28.250	74.000
Average					
Detector:					

--

- 1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
- 2. Receiver setting (Peak Detector): RBW:1MHz; VBW:3MHz; Span:10MHz •
- 3. Receiver setting (AVG Detector): RBW:1MHz; VBW:10Hz; Span:10MHz •
- 4. Emission Level = Reading Level + Correct Factor.
- 5. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.



Test Item : Harmonic Radiated Emission Data

Test Site : No.3 OATS

Test Mode : Mode 2: Receiver (802.11n MCS0 15Mbps 40M-BW) (2452 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
2452.000	-4.630	38.850	34.220	-39.780	74.000
4904.000	-0.098	39.320	39.222	-34.778	74.000
7356.000	8.603	36.880	45.483	-28.517	74.000
9808.000	8.070	37.620	45.690	-28.310	74.000
Average					
Detector:					
Vertical					
Peak Detector:					
2452.000	-6.065	38.360	32.295	-41.705	74.000
4904.000	0.415	39.190	39.605	-34.395	74.000
7356.000	9.317	36.590	45.907	-28.093	74.000
9808.000	8.732	37.020	45.752	-28.248	74.000

Note:

Average Detector:

- 1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
- 2. Receiver setting (Peak Detector) : RBW:1MHz; VBW:3MHz; Span:10MHz \circ
- 3. Receiver setting (AVG Detector): RBW:1MHz; VBW:10Hz; Span:10MHz •
- 4. Emission Level = Reading Level + Correct Factor.
- 5. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.



Test Item : General Radiated Emission Data

Test Site : No.3 OATS

Test Mode : Mode 1: Receiver (802.11n MCS0 7.2Mbps 20M-BW) (2437 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
103.720	-8.230	32.667	24.436	-19.064	43.500
239.520	-6.878	36.440	29.562	-16.438	46.000
398.600	0.879	33.424	34.303	-11.697	46.000
478.140	1.937	35.709	37.646	-8.354	46.000
596.480	3.587	26.722	30.309	-15.691	46.000
825.400	7.346	22.873	30.219	-15.781	46.000
Vertical					
43.580	-10.919	40.206	29.287	-10.713	40.000
103.720	-5.090	39.219	34.128	-9.372	43.500
175.500	-1.842	37.550	35.708	-7.792	43.500
476.200	-3.462	33.572	30.110	-15.890	46.000
685.720	2.254	27.309	29.563	-16.437	46.000
930.160	3.830	23.616	27.446	-18.554	46.000
Horizontal 103.720 239.520 398.600 478.140 596.480 825.400 Vertical 43.580 103.720 175.500 476.200 685.720	-8.230 -6.878 0.879 1.937 3.587 7.346 -10.919 -5.090 -1.842 -3.462 2.254	32.667 36.440 33.424 35.709 26.722 22.873 40.206 39.219 37.550 33.572 27.309	24.436 29.562 34.303 37.646 30.309 30.219 29.287 34.128 35.708 30.110 29.563	-19.064 -16.438 -11.697 -8.354 -15.691 -15.781 -10.713 -9.372 -7.792 -15.890 -16.437	43.500 46.000 46.000 46.000 46.000 40.000 43.500 43.500 46.000 46.000

- 1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
- 2. " means the worst emission level.
- 3. Measurement Level = Reading Level + Correct Factor.
- 4. The radiated emissions below 1GHz of the lowest, middle, highest frequency are pretested. Only the worst case is shown on the report.



Test Item : General Radiated Emission Data

Test Site : No.3 OATS

Test Mode : Mode 2: Receiver (802.11n MCS0 15Mbps 40M-BW) (2437 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					_
105.660	-7.676	33.315	25.638	-17.862	43.500
241.460	-6.590	34.470	27.880	-18.120	46.000
398.600	0.879	30.620	31.499	-14.501	46.000
476.200	1.988	32.556	34.544	-11.456	46.000
714.820	3.801	26.197	29.998	-16.002	46.000
825.400	7.346	22.678	30.024	-15.976	46.000
Vertical					
43.580	-10.919	39.419	28.500	-11.500	40.000
101.780	-5.570	38.424	32.853	-10.647	43.500
179.380	-0.824	36.814	35.990	-7.510	43.500
480.080	-3.390	39.103	35.713	-10.287	46.000
747.800	1.665	27.350	29.015	-16.985	46.000
928.220	3.640	24.107	27.747	-18.253	46.000

- 1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
- 2. "means the worst emission level.
- 3. Measurement Level = Reading Level + Correct Factor.
- 4. The radiated emissions below 1GHz of the lowest, middle, highest frequency are pretested. Only the worst case is shown on the report.



4. EMI Reduction Method During Compliance Testing

No modification was made during testing.



Attachment 1: EUT Test Photographs

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Attachment 2: EUT Detailed Photographs