FCC 47 CFR PART 15 SUBPART C & INDUSTRY CANADA RSS-210 (Class II Permissive Change)

Report No.: T150109W06-RP1

TEST REPORT

For

802.11a/b/g/n/ac WLAN + Bluetooth PCI-E Mini Card

Model: BCM94352Z

Trade Name: Broadcom

Issued to

Broadcom Corporation 190 Mathilda Avenue, Sunnyvale, CA 94086

Issued by

Compliance Certification Services Inc.
No.11, Wugong 6th Rd., Wugu Dist.,
New Taipei City 24891, Taiwan. (R.O.C.)
http://www.ccsrf.com
service@ccsrf.com
Issued Date: February 6, 2015





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Revision History

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	Issue		Effect	
Rev.	Date	Revisions	Page	Revised By
00	February 6, 2015	Initial Issue	ALL	Doris Chu

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1. TEST RESULT CERTIFICATION

Applicant: Broadcom Corporation

190 Mathilda Avenue, Sunnyvale, CA 94086

Report No.: T150109W06-RP1

Manufacturer: Broadcom Corporation

190 Mathilda Avenue, Sunnyvale, CA 94086

Equipment Under Test: 802.11a/b/g/n/ac WLAN + Bluetooth PCI-E Mini Card

Trade Name: Broadcom

Model: BCM94352Z

Date of Test: January 19 ~ 20, 2015

APPLICABLE STANDARDS					
STANDARD TEST RESULT					
FCC 47 CFR Part 15 Subpart C					
&	No non-compliance noted				
Industry Canada RSS-210 Issue 8 December, 2010					

We hereby certify that:

The above equipment was tested by Compliance Certification Services Inc. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.4: 2009 and the energy emitted by the sample EUT tested as described in this report is in compliance with the requirements of FCC Rules Part 15.207, 15.209, 15.247 and Industry Canada RSS-210.

The test results of this report relate only to the tested sample EUT identified in this report.

Approved by: Reviewed by:

Miller Lee

Section Manager

Compliance Certification Services Inc.

Killer Lee

Angel Cheng

Section Manager

Compliance Certification Services Inc.

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2. EUT DESCRIPTION

					1
Product	802.11a/b/g/n/ac WLAN + Bluetooth PCI-E Mini Card				
Trade Name	Broadcom				
Model Number	BCM94352Z				
Received Date	January 9, 2015				
Frequency Range	2412 ~ 2462 MHz				
	Mode	Frequency Range	Output po (dBm		Output power (W)
	802.11b	2412 - 2462	19.30)	0.08511
Transmit Power	802.11g	2412 – 2462	15.50)	0.0355
	802.11n Standard-20 MHz	2412 - 2462	18.46	j	0.0701
	802.11n Standard-40 MHz	2422 - 2452	18.71		0.0743
	IEEE 802.11b mode	e: DSSS (1, 2, 5,	5 and 11 l	Mphs)	
		* * * * * * * * * * * * * * * * * * * *			and 54 Mahe)
	IEEE 802.11g mode: OFDM (6, 9, 12, 18, 24, 36, 48 and 54 Mpbs)				
	IEEE 802.11n HT 20 MHz mode: OFDM (6.5, 7.2, 13, 14.4, 14.44,				
	19.5, 21.7, 26, 28.89, 28.9, 39, 43.3, 43.33 52, 57.78,				
Modulation Technique	57.8, 58.5, 65.0, 72.2, 78, 86.67, 104, 115.56, 117,				
_	130, 144.44 Mbps)				
	IEEE 802.11n HT 40 MHz mode: OFDM (13.5, 15, 27, 30, 40.5, 45,				
	54, 60, 81, 90, 108, 120, 121.5, 135, 150, 162, 180,				
	216, 240, 243, 270, 300 Mbps)				
	IEEE 802.11b/g mode: 11 Channels				
Number of Channels	IEEE 802.11n HT 20 MHz mode: 11 Channels				
	IEEE 802.11n HT 40 MHz mode: 7 Channels				
	1. High-Tek Electronics Co.,Ltd				
	P/N: 025.9006R.0011 (Main) / 0.91 dBi				
	025.9006S.0011 (Aux) / -1.01 dBi				
Antenna Specification	2. Wistron NeWeb Corporation				
	P/N: 025.9006R.0001 (Main) / 1.88 dBi				
		(Aux) / -1.51 dB			
	12130002.0001	(,		Flex 3-1	470
				riex 5-1	470
Host Brand	lenovo	Host Model Na	ame	Flex 3-1	435
				Flex 3-1475	
Class II Darmississ	Adding the portable	platforms Flex	3-14 70, F	lex 3-14	35, Flex
Class II Permissive	3-1475, These hosts have the same antenna type as originally				
Change	approved with lower gains.				
	approved with lower gams.				

Remark:

- 1. The sample selected for test was engineering sample that approximated to production product and was provided by manufacturer.
- 2. This submittal(s) (test report) is intended for FCC ID: <u>QDS-BRCM1076 & IC: 4324A-BRCM1076</u> filing to comply with Section 15.207, 15.209 and 15.247 of the FCC Part 15, Subpart C Rules.

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3. TEST METHODOLOGY

The tests documented in this report were performed in accordance with ANSI C63.4: 2009 and FCC CFR 47 Part 15.207, 15.209, 15.247 and DA00-705.

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The tests documented in this report were performed in accordance with IC RSS-210, IC RSS-Gen, IC RSS-102, IC RSS-212, and ANSI C63.4.

This submittal(s) (test report) is intended for IC Certification with Industry Canada RSS-210.

3.1 EUT CONFIGURATION

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner that intends to maximize its emission characteristics in a continuous normal application.

3.2 EUT EXERCISE

The EUT was operated in the engineering mode to fix the TX frequency that was for the purpose of the measurements.

According to its specifications, the EUT must comply with the requirements of the Section 15.207, 15.209 and 15.247 under the FCC Rules Part 15 Subpart C.

The tests documented in this report were performed in accordance with IC RSS-210, IC RSS-Gen, IC RSS-102, and ANSI C63.4.

3.3 GENERAL TEST PROCEDURES

Conducted Emissions

The EUT is placed on the turntable, which is 0.8 m above ground plane. According to the requirements in Section 13.1.4.1 of ANSI C63.4 Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-peak and average detector modes.

Radiated Emissions

The EUT is placed on a turn table, which is 0.8 m above ground plane. The turntable shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna, which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the maximum emissions, exploratory radiated emission measurements were made according to the requirements in Section 13.1.4.1 of ANSI C63.4.

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3.4 FCC PART 15.205 RESTRICTED BANDS OF OPERATIONS

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

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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 -	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.52525	2655 - 2900	22.01 - 23.12
8.41425 - 8.41475	156.7 - 156.9	3260 - 3267	23.6 - 24.0
12.29 - 12.293	162.0125 - 167.17	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	167.72 - 173.2	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	240 - 285	3600 - 4400	$\binom{2}{}$
13.36 - 13.41	322 - 335.4		

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

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² Above 38.6

⁽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.

3.5 DESCRIPTION OF TEST MODES

The EUT (Model: BCM94352Z) had been tested under operating condition.

The EUT is a 2x2 configuration spatial MIMO (2Tx & 2Rx) without beam forming function. The 2x2 configuration is implemented with three outside TX & RX chains (Chain 0 and Chain 1).

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Software used to control the EUT for staying in continuous transmitting and receiving mode was programmed.

After verification, all tests carried out are with the worst-case test modes as shown below except radiated spurious emission below 1GHz and power line conducted emissions below 30MHz, which worst case was in normal link mode.

IEEE 802.11b mode:

Channel Low (2412MHz), Channel Mid (2437MHz) and Channel High (2462MHz) with 1Mbps data rate were chosen for full testing.

IEEE 802.11g mode:

Channel Low (2412MHz), Channel Mid (2437MHz) and Channel High (2462MHz) with 6Mbps data rate were chosen for full testing.

IEEE 802.11n HT 20 MHz mode:

Channel Low (2412MHz), Channel Mid (2437MHz) and Channel High (2462MHz) with 6.5Mbps data rate were chosen for full testing.

IEEE 802.11n HT 40 MHz mode:

Channel Low (2422MHz), Channel Mid (2437MHz) and Channel High (2452MHz) with 13.5Mbps data rate were chosen for full testing.

The field strength of spurious emission was measured in the following position: EUT stand-up position (Z axis), lie-down position (X, Y axis). The worst emission was found in lie-down position (X axis) and the worst case was recorded.

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4. INSTRUMENT CALIBRATION

4.1 MEASURING INSTRUMENT CALIBRATION

The measuring equipment, which was utilized in performing the tests documented herein, has been calibrated in accordance with the manufacturer's recommendations for utilizing calibration equipment, which is traceable to recognized national standards.

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4.2 MEASUREMENT EQUIPMENT USED

Equipment Used for Emissions Measurement

Remark: Each piece of equipment is scheduled for calibration once a year and Loop Antenna is scheduled for calibration once three years.

Wugu 966 Chamber A							
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due			
Spectrum Analyzer	Agilent	E4446A	US42510268	09/18/2015			
EMI Test Receiver	R&S	ESCI	100064	05/30/2015			
Bilog Antenna	Sunol Sciences	JB3	A030105	08/19/2015			
Horn Antenna	EMCO	3117	00055165	02/04/2015			
Turn Table	CCS	CC-T-1F	N/A	N.C.R			
Antenna Tower	CCS	CC-A-1F	N/A	N.C.R			
Controller	CCS	CC-C-1F	N/A	N.C.R			
Test S/W	EZ-EMC (CCS-3A1RE)						

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4.3 MEASUREMENT UNCERTAINTY

PARAMETER	UNCERTAINTY
3M Semi Anechoic Chamber / 30M~200M	+/- 4.0138
3M Semi Anechoic Chamber / 200M~1000M	+/- 3.9483
3M Semi Anechoic Chamber / 1G~8G	+/- 2.5975
3M Semi Anechoic Chamber / 8G~18G	+/- 2.6112
3M Semi Anechoic Chamber / 18G~26G	+/- 2.7389
3M Semi Anechoic Chamber / 26G~40G	+/- 2.9683

Remark: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

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5. FACILITIES AND ACCREDITATIONS

5.1 FACILITIES

All	measurement facilities used to collect the measurement data are located at
	No.199, Chunghsen Road, Hsintien City, Taipei Hsien, Taiwan, R.O.C.
	Tel: 886-2-2217-0894 / Fax: 886-2-2217-1029
	No.11, Wugong 6th Rd., Wugu Dist., New Taipei City 24891, Taiwan. (R.O.C.)
	Tel: 886-2-2299-9720 / Fax: 886-2-2298-4045
	No.81-1, Lane 210, Bade 2nd Rd., Lujhu Township, Taoyuan County 33841, TAIWAN,
	R.O.C.
	Tel: 886-3-324-0332 / Fax: 886-3-324-5235

The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.4 and CISPR Publication 22.

5.2 EQUIPMENT

Radiated emissions are measured with one or more of the following types of linearly polarized antennas: tuned dipole, biconical, log periodic, bi-log, and/or ridged waveguide, horn. Spectrum analyzers with pre-selectors and quasi-peak detectors are used to perform radiated measurements.

Conducted emissions are measured with Line Impedance Stabilization Networks and EMI Test Receivers.

Calibrated wideband preamplifiers, coaxial cables, and coaxial attenuators are also used for making measurements.

All receiving equipment conforms to CISPR Publication 16-1, "Radio Interference Measuring Apparatus and Measurement Methods."

5.3LABORATORY ACCREDITATIONS AND LISTING

The test facilities used to perform radiated and conducted emissions tests are accredited by American Association for Laboratory Accreditation Program for the specific scope accreditation under Lab Code: 0824-01 to perform Electromagnetic Interference tests according to FCC Part 15 and CISPR 22 requirements. In addition, the test facilities are listed with Industry Canada, Certification and Engineering Bureau, IC 2324G-1 for 3M Semi Anechoic Chamber A, 2324G-2 for 3M Semi Anechoic Chamber B.

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5.4 TABLE OF ACCREDITATIONS AND LISTINGS

Country	Agency	Scope of Accreditation	Logo
USA	FCC	3M Semi Anechoic Chamber (FCC MRA: TW1039) to perform FCC Part 15 measurements	FCC MRA: TW1039
Taiwan	TAF	LP0002, RTTE01, FCC Method-47 CFR Part 15 Subpart C, D, E, RSS-210, RSS-310 IDA TS SRD, AS/NZS 4268, AS/NZS 4771, TS 12.1 & 12,2, ETSI EN 300 440-1, ETSI EN 300 440-2, ETSI EN 300 328, ETSI EN 300 220-1, ETSI EN 300 220-2, ETSI EN 301 893, ETSI EN 301 489-1/3/7/17 FCC OET Bulletin 65 + Supplement C, EN 50360, EN 50361, EN 50371, RSS 102, EN 50383, EN 50385, EN 50392, IEC 62209, CNS 14958-1, CNS 14959 FCC Method -47 CFR Part 15 Subpart B IEC / EN 61000-3-2, IEC / EN 61000-3-3, IEC / EN 61000-4-2/3/4/5/6/8/11	Testing Laboratory 1309
Canada	Industry Canada	3M Semi Anechoic Chamber (IC 2324G-1 / IC 2324G-2) to perform	Canada IC 2324G-1 IC 2324G-2

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^{*} No part of this report may be used to claim or imply product endorsement by A2LA or any agency of the US Government.

6. SETUP OF EQUIPMENT UNDER TEST

6.1 SETUP CONFIGURATION OF EUT

See test photographs attached in Appendix II for the actual connections between EUT and support equipment.

6.2 SUPPORT EQUIPMENT

No.	Equipment	Model No.	Serial No.	FCC ID	Trade Name	Data Cable	Power Cord
1	Notebook PC	Flex 3-1470	N/A	FCC DOC	Lenovo	N/A	AC I/P: Unshielded, 1.8m DC O/P: Unshielded, 1.8m with a core

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Remark:

- 1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
- 2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

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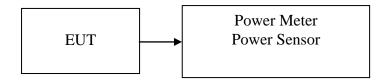
7. FCC PART 15.247 REQUIREMENTS & RSS-210 REQUIREMENTS

7.1 MAXIMUM OUTPUT POWER

LIMIT

None; for reporting purposes only.

Test Configuration



TEST PROCEDURE

The transmitter output is connected to the Power Meter. The Power Meter is set to the peak power detection.

TEST RESULTS

No non-compliance noted

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Test Data

Test mode: IEEE 802.11b mode

Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)	Limit (W)
Low	2412	*19.30	0.08511	1.00
Mid	2442	19.00	0.07943	1.00
High	2462	18.90	0.07762	1.00

Test mode: IEEE 802.11g mode

Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)	Limit (W)
Low	2412	15.50	0.0355	1.00
Mid	2442	15.50	0.0355	1.00
High	2462	15.30	0.0339	1.00

Test mode: IEEE 802.11n HT 20 MHz mode

Channel	Frequency (MHz)	Chain 0 Output Power (dBm)	Chain 1 Output Power (dBm)	Total Output Power (dBm)	Output Power (W)	Limit (W)
Low	2412	14.50	15.10	17.82	0.0605	1.00
Mid	2442	15.30	15.60	18.46	0.0701	1.00
High	2462	14.40	14.10	17.26	0.0532	1.00

Test mode: IEEE 802.11n HT 40 MHz mode

Channel	Frequency (MHz)	Chain 0 Output Power (dBm)	Chain 1 Output Power (dBm)	Total Output Power (dBm)	Output Power (W)	Limit (W)
Low	2422	9.30	9.40	12.36	0.0172	1.00
Mid	2442	15.80	15.60	18.71	0.0743	1.00
High	2452	9.40	9.50	12.46	0.0176	1.00

Remark: Total Output Power $(w) = Chain \ 0 \ (10^{\circ}(Output \ Power \ /10)/1000) + Chain \ 1 \ (10^{\circ}(Output \ Power \ /10)/1000)$

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7.2

7.3 BAND EDGES MEASUREMENT

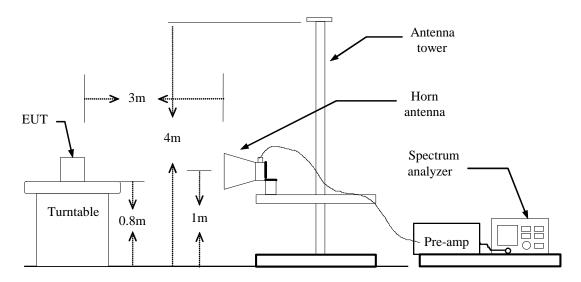
LIMIT

According to §15.247(d) & RSS-210 §A8.5, in any 100 kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator in operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in 15.209(a) (see Section 15.205(c)).

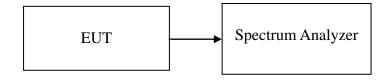
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Test Configuration

For Radiated



For Conducted



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TEST PROCEDURE

For Radiated

- 1. The EUT is placed on a turntable, which is 0.8m above the ground plane.
- 2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
- 3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.

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- 4. Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission:
 - (a) PEAK: RBW=VBW=3MHz / Sweep=AUTO
 - (b) AVERAGE: RBW=1MHz,

if duty cycle ≥ 98%, VBW=10Hz.

if duty cycle<98% VBW=1/T.

IEEE 802.11b mode: \ge 98%, VBW=10Hz **IEEE 802.11g mode:** \ge 98%, VBW=10Hz

IEEE 802.11n HT 20 MHz mode: \geq 98%, VBW=10Hz IEEE 802.11n HT 40 MHz mode: 96%=VBW 2kHz

5. Repeat the procedures until all the PEAK and AVERAGE versus POLARIZATION are measured.

For Conducted

Conducted RF measurements of the transmitter output were made to confirm that the EUT antenna port conducted emissions meet the specified limit and to identify any spurious signals that require further investigation or measurements on the radiated emissions site.

The transmitter output is connected to the spectrum analyzer. The resolution bandwidth is set to 100 kHz. The video bandwidth is set to 100 kHz.

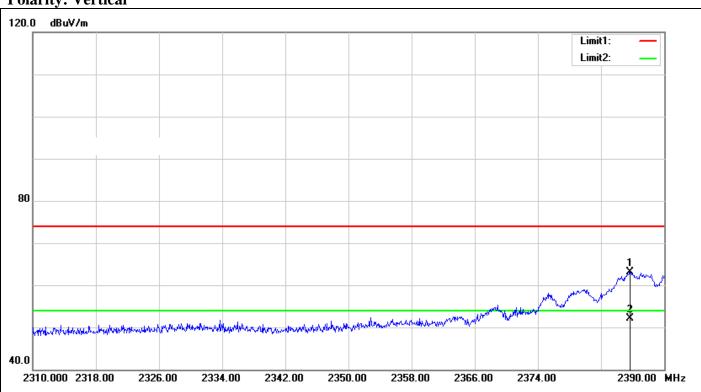
TEST RESULTS

Refer to attach spectrum analyzer data chart.

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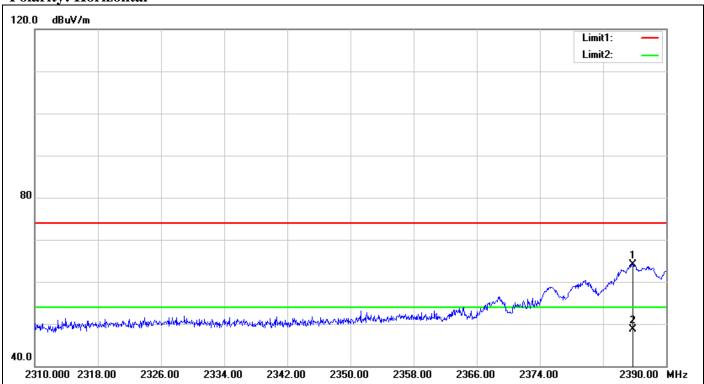
Band Edges (IEEE 802.11b mode / CH Low)

Polarity: Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(°)	
1	2385.680	66.91	-3.81	63.10	74.00	-10.90	100	360	peak
2	2385.680	55.98	-3.81	52.17	54.00	-1.83	100	360	AVG

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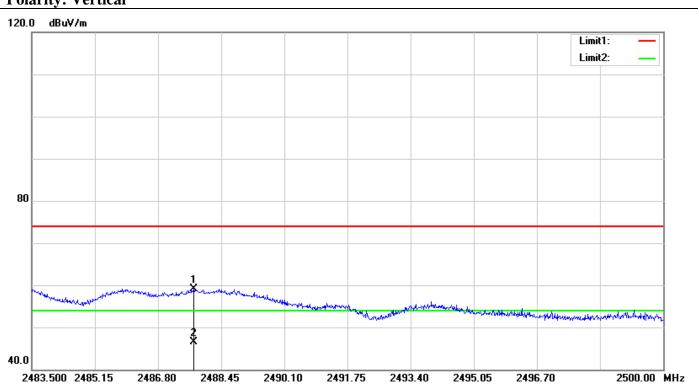


No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(°)	
1	2385.760	67.89	-3.81	64.08	74.00	-9.92	100	75	peak
2	2385.760	52.52	-3.81	48.71	54.00	-5.29	100	75	AVG

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Band Edges (IEEE 802.11b mode / CH High)

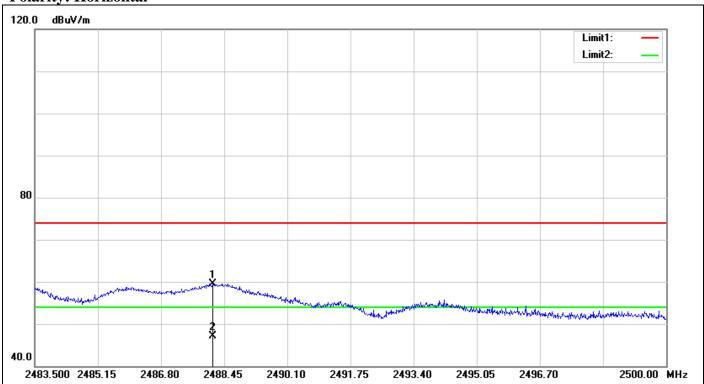
Polarity: Vertical



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No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(°)	
1	2487.724	62.39	-3.23	59.16	74.00	-14.84	100	32	peak
2	2487.724	49.77	-3.23	46.54	54.00	-7.46	100	32	AVG

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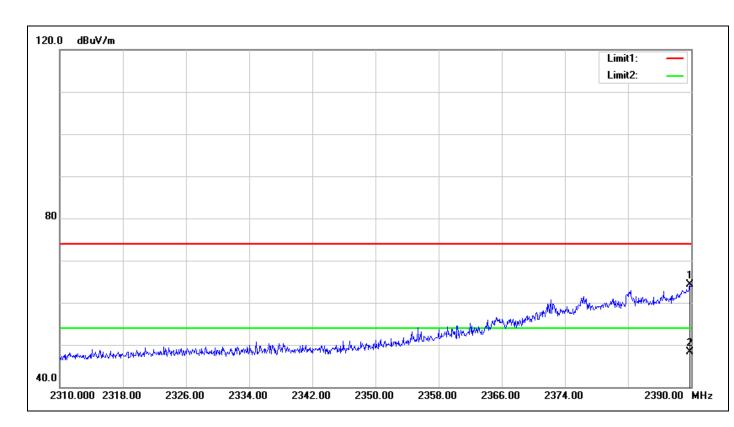


No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(°)	
1	2488.153	62.82	-3.23	59.59	74.00	-14.41	100	318	peak
2	2488.153	50.40	-3.23	47.17	54.00	-6.83	100	318	AVG

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Band Edges (IEEE 802.11g mode / CH Low)

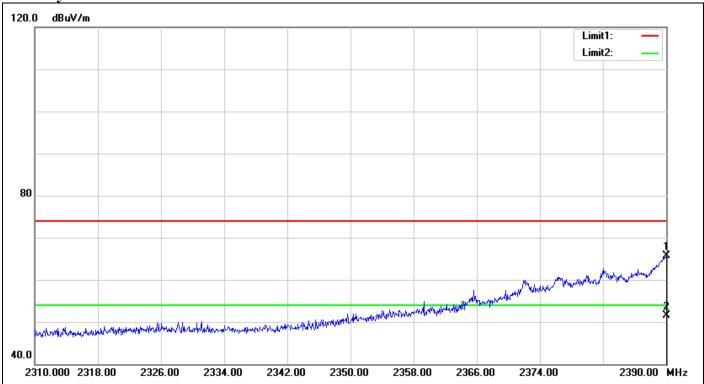
Polarity: Vertical



Report No.: T150109W06-RP1

N	o.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
		(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(°)	
	1	2389.840	68.12	-3.77	64.35	74.00	-9.65	100	22	peak
	2	2389.840	52.06	-3.77	48.29	54.00	-5.71	100	22	AVG

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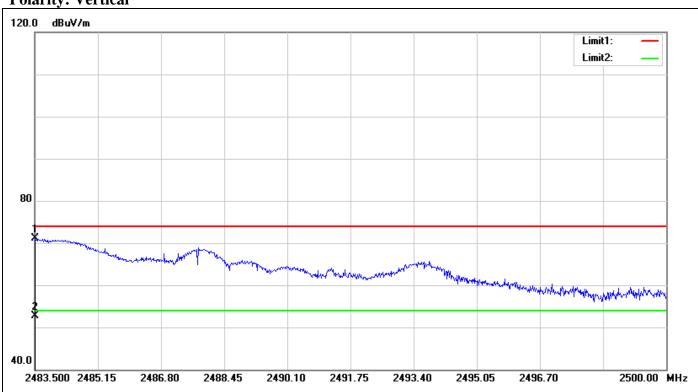


No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(°)	
1	2390.000	69.54	-3.77	65.77	74.00	-8.23	100	89	peak
2	2390.000	55.19	-3.77	51.42	54.00	-2.58	100	89	AVG

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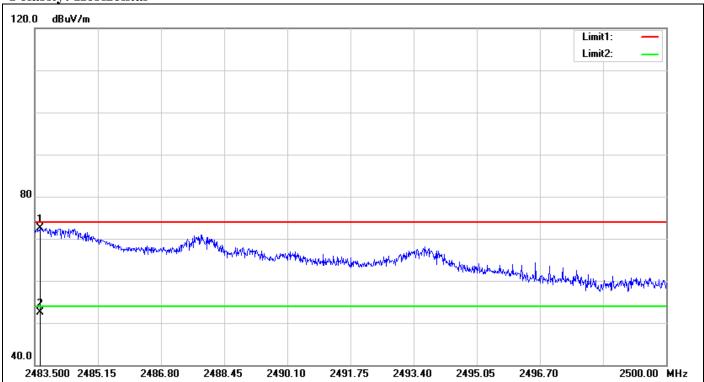
Band Edges (IEEE 802.11g mode / CH High)

Polarity: Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(°)	
1	2483.517	74.30	-3.27	71.03	74.00	-2.97	100	219	peak
2	2483.517	55.91	-3.27	52.64	54.00	-1.36	100	219	AVG

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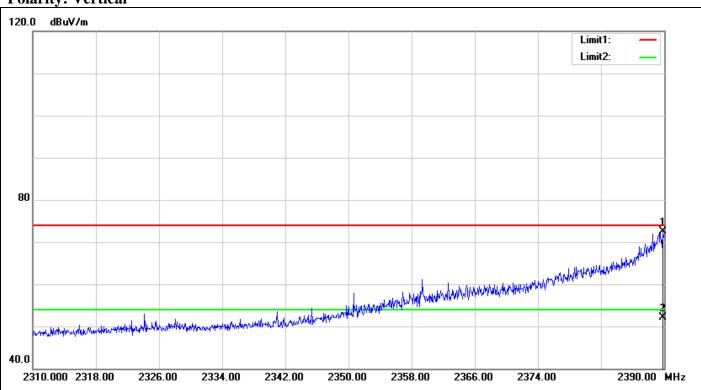


No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(°)	
1	2483.632	75.80	-3.27	72.53	74.00	-1.47	100	0	peak
2	2483.632	55.68	-3.27	52.41	54.00	-1.59	100	0	AVG

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Band Edges (IEEE 802.11n HT 20 MHz mode / CH Low)

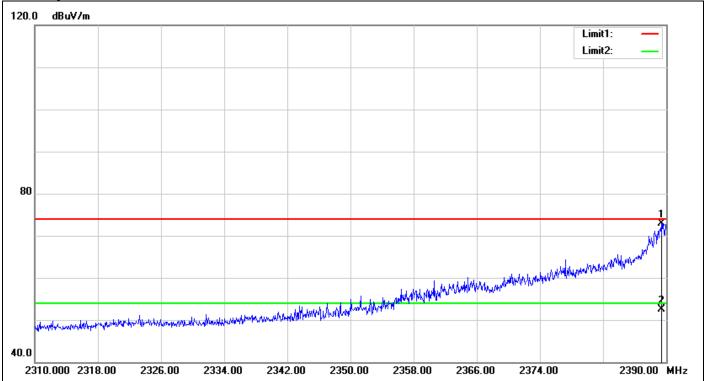
Polarity: Vertical



Report No.: T150109W06-RP1

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(°)	
1	2389.840	76.21	-3.77	72.44	74.00	-1.56	100	340	peak
2	2389.840	55.84	-3.77	52.07	54.00	-1.93	100	340	AVG

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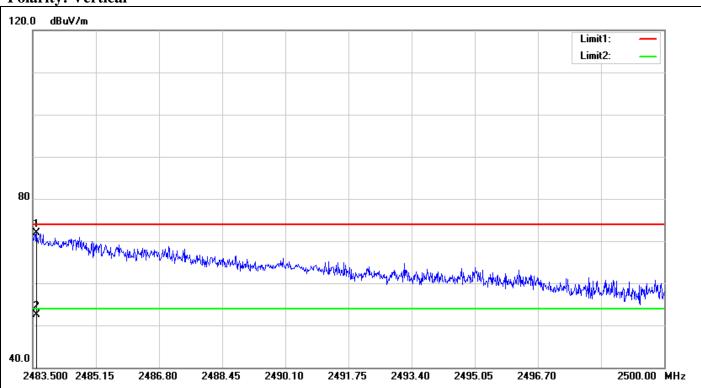


No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(°)	
1	2389.360	76.75	-3.78	72.97	74.00	-1.03	100	289	peak
2	2389.360	56.26	-3.78	52.48	54.00	-1.52	100	289	AVG

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Band Edges (IEEE 802.11n HT 20 MHz mode / CH High)

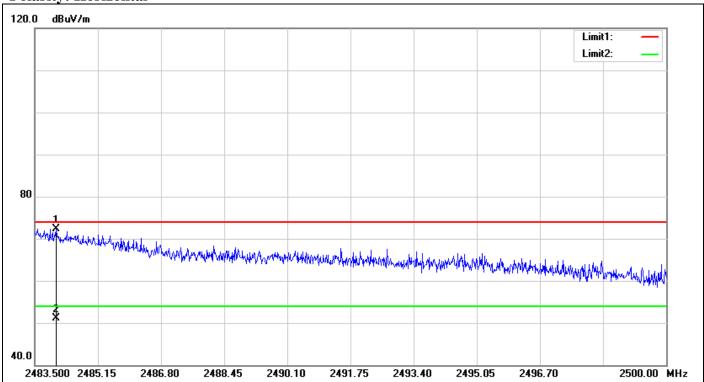
Polarity: Vertical



Report No.: T150109W06-RP1

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(°)	
1	2483.599	75.08	-3.27	71.81	74.00	-2.19	100	196	peak
2	2483.599	55.73	-3.27	52.46	54.00	-1.54	100	196	AVG

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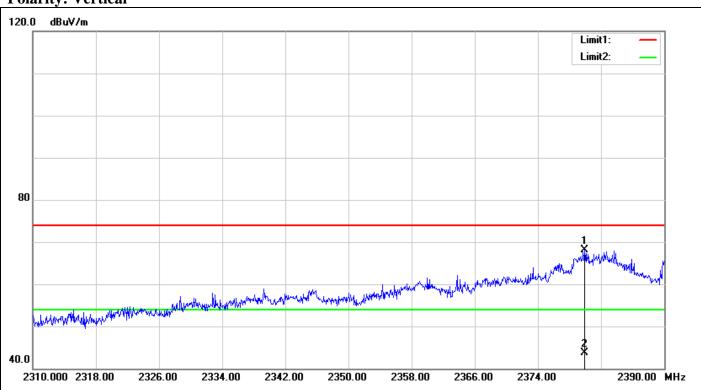


No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(°)	
1	2484.061	75.56	-3.27	72.29	74.00	-1.71	100	13	peak
2	2484.061	54.36	-3.27	51.09	54.00	-2.91	100	13	AVG

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Band Edges (IEEE 802.11n HT 40 MHz mode / CH Low)

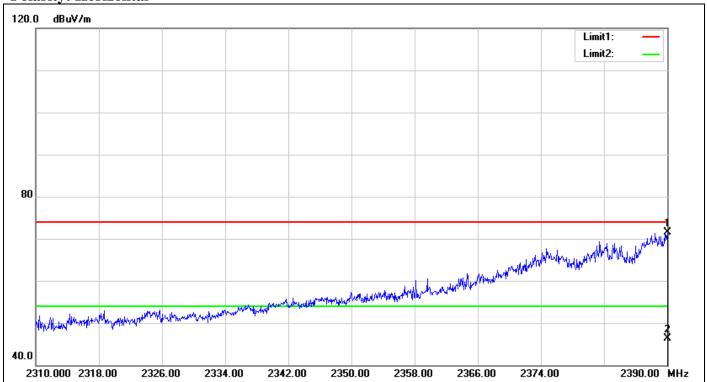
Polarity: Vertical



Report No.: T150109W06-RP1

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(°)	
1	2379.920	71.99	-3.86	68.13	74.00	-5.87	100	159	peak
2	2379.920	47.57	-3.86	43.71	54.00	-10.29	100	159	AVG

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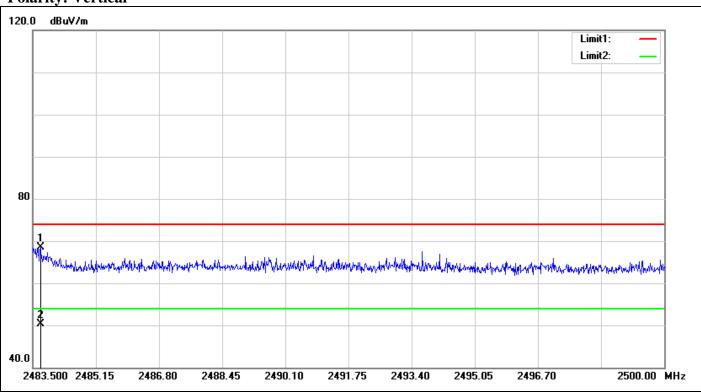


No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(°)	
1	2390.000	75.35	-3.77	71.58	74.00	-2.42	100	211	peak
2	2390.000	50.15	-3.77	46.38	54.00	-7.62	100	211	AVG

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Band Edges (IEEE 802.11n HT 40 MHz mode / CH High)

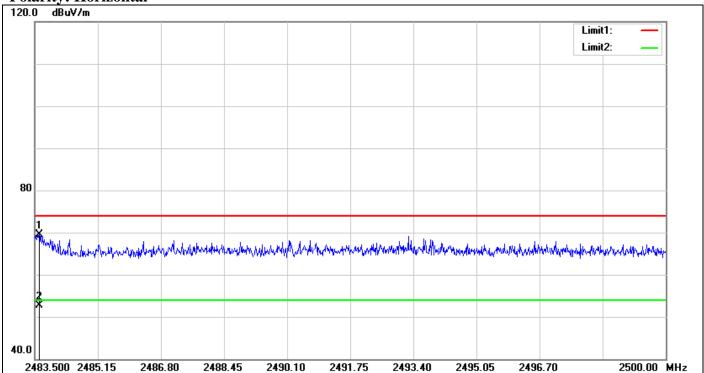
Polarity: Vertical



Report No.: T150109W06-RP1

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(°)	
1	2483.698	71.84	-3.27	68.57	74.00	-5.43	100	22	peak
2	2483.698	53.58	-3.27	50.31	54.00	-3.69	100	22	AVG

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No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(°)	
1	2483.615	72.87	-3.27	69.60	74.00	-4.40	100	188	peak
2	2483.615	55.91	-3.27	52.64	54.00	-1.36	100	188	AVG

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7.4 RADIATED EMISSIONS

LIMIT

All spurious emissions shall comply with the limits of §15.209(a) and RSS-Gen Table 2 & Table 5

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RSS-Gen Table 2 & Table 5: General Field Strength Limits for Transmitters and Receivers at Frequencies Above 30 MHz (Note)

Frequency	Field Strength microvolts/m at 3 metres (watts, e.i.r.p.)				
(MHz)	Transmitters	Receivers			
30-88	100 (3 nW)	100 (3 nW)			
88-216	150 (6.8 nW)	150 (6.8 nW)			
216-960	200 (12 nW)	200 (12 nW)			
Above 960	500 (75 nW)	500 (75 nW)			

Note: *Measurements for compliance with limits in the above table may be performed at distances other than 3 metres, in accordance with Section 7.2.7.

Transmitting devices are not permitted in Table 1 bands or, unless stated otherwise, in TV bands (54-72 MHz, 76-88 MHz, 174-216 MHz, 470-608 MHz and 614-806 MHz).

RSS-Gen Table 6: General Field Strength Limits for Transmitters at Frequencies Below 30 MHz (Transmit)

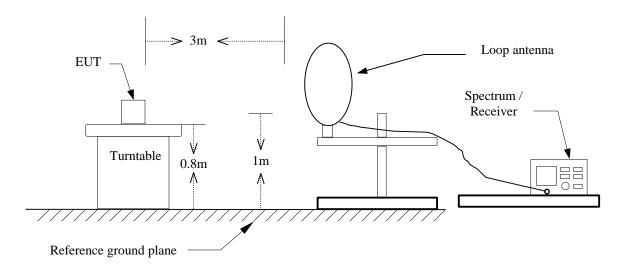
Frequency	Field Strength (microvolts/m)	Magnetic H-Field (microamperes/m)	Measurement Distance (metres)
9-490 kHz	2,400/F (F in kHz)	2,400/377F (F in kHz)	3000
490-1,705 kHz	24,000/F (F in kHz)	24,000/377F (F in kHz)	30
1.705-30 MHz	30	N/A	30

Note: The emission limits for the bands 9-90 kHz and 110-490 kHz are based on measurements employing an average detector.

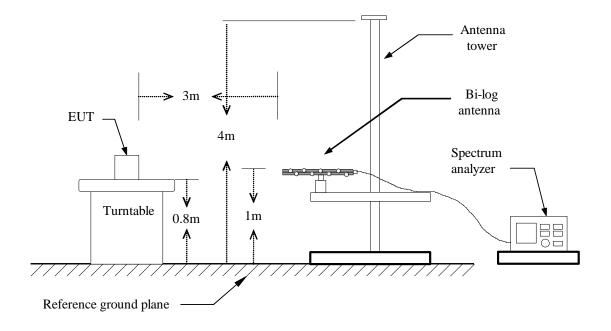
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Test Configuration

9kHz ~ 30MHz



30MHz ~ 1GHz

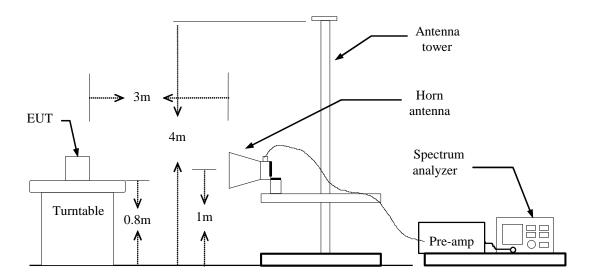


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Above 1 GHz



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TEST PROCEDURE

- 1. The EUT is placed on a turntable, which is 0.8m above ground plane.
- 2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
- 3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emissions.

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- 4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
- 5. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
- 6. Set the spectrum analyzer in the following setting as:

Below 1GHz:

RBW=100kHz / VBW=300kHz / Sweep=AUTO

Above 1GHz:

(a) PEAK: RBW=1MHz, VBW=1MHz / Sweep=AUTO

(b) AVERAGE: RBW=1MHz,

if duty cycle ≥ 98%, VBW=10Hz.

if duty cycle<98% VBW=1/T.

IEEE 802.11b mode: \ge 98%, VBW=10Hz

IEEE 802.11g mode: \geq 98%, VBW=10Hz

IEEE 802.11n HT 20 MHz mode: \ge 98%, VBW=10Hz

IEEE 802.11n HT 40 MHz mode: 96%=VBW 2kHz

7. Repeat above procedures until the measurements for all frequencies are complete.

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Below 1GHz

Operation Mode: Normal Link **Test Date:** January 20, 2015

Report No.: T150109W06-RP1

Temperature: 27°C **Tested by:** Owen Wu

Humidity: 53% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant. Pol. (H/V)
40.6700	55.57	-17.58	37.99	40.00	-2.01	peak	V
140.5800	40.57	-17.71	22.86	43.50	-20.64	peak	V
301.6000	37.50	-16.37	21.13	46.00	-24.87	peak	V
450.9800	40.54	-12.64	27.90	46.00	-18.10	peak	V
599.3900	38.19	-10.52	27.67	46.00	-18.33	peak	V
833.1600	35.08	-6.98	28.10	46.00	-17.90	peak	V
57.1600	57.48	-23.64	33.84	40.00	-6.16	peak	Н
252.1300	40.43	-18.25	22.18	46.00	-23.82	peak	Н
456.8000	37.64	-12.55	25.09	46.00	-20.91	peak	Н
597.4500	33.77	-10.53	23.24	46.00	-22.76	peak	Н
833.1600	41.56	-6.98	34.58	46.00	-11.42	peak	Н
998.0600	34.68	-4.71	29.97	54.00	-24.03	peak	Н

Remark:

- 1. Measuring frequencies from 30 MHz to the 1GHz.
- 2. Radiated emissions measured in frequency range from 30 MHz to 1000MHz were made with an instrument using peak/quasi-peak detector mode.
- 3. Quasi-peak test would be performed if the peak result were greater than the quasi-peak limit or as required by the applicant.
- 4. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 5. Margin(dB) = Result(dBuV/m) Limit(dBuV/m).

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Above 1 GHz

Operation Mode: TX / IEEE 802.11b / CH Low Test Date: January 20, 2015

Report No.: T150109W06-RP1

27°C Tested by: Owen Wu **Temperature: Humidity:** 53% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant. Pol. (H/V)
1948.000	51.93	-5.16	46.77	74.00	-27.23	peak	V
N/A							
1656.000	50.83	-6.70	44.13	74.00	-29.87	peak	Н
N/A							

Remark:

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental 1. frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- Average test would be performed if the peak result were greater than the average limit 3. or as required by the applicant.
- Data of measurement within this frequency range shown "---" in the table above 4. means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- Measurements above show only up to 6 maximum emissions noted, or would be lesser, 5. with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 6. Margin(dB) = Remark result(dBuV/m) - Average limit(dBuV/m).

Page 39 Rev.02 **Operation Mode:** TX / IEEE 802.11b / CH Mid **Test Date:** January 20, 2015

Report No.: T150109W06-RP1

Temperature: 27 °C **Tested by:** Owen Wu **Humidity:** 53 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant. Pol. (H/V)
1798.000	52.41	-5.95	46.46	74.00	-27.54	peak	V
N/A							
1534.000	50.95	-7.35	43.60	74.00	-30.40	peak	Н
N/A							

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- 3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
- 4. Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 6. Margin(dB) = Remark result(dBuV/m) Average limit(dBuV/m).

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Operation Mode: TX / IEEE 802.11b / CH High **Test Date:** January 20, 2015

Report No.: T150109W06-RP1

Temperature:27°CTested by: Owen WuHumidity:53 % RHPolarity: Ver. / Hor.

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant. Pol. (H/V)
1396.000	52.10	-7.99	44.11	74.00	-29.89	peak	V
N/A							
1396.000	53.11	-7.99	45.12	74.00	-28.88	peak	Н
N/A							

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- 3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
- 4. Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 6. Margin(dB) = Remark result(dBuV/m) Average limit(dBuV/m).

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Operation Mode: TX / IEEE 802.11g / CH Low **Test Date:** January 20, 2015

Report No.: T150109W06-RP1

Temperature: 27 °C **Tested by:** Owen Wu **Humidity:** 53 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant. Pol. (H/V)
1792.000	52.63	-5.98	46.65	74.00	-27.35	peak	V
N/A							
1700.000	50.91	-6.47	44.44	74.00	-29.56	peak	Н
N/A							

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- 3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
- 4. Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 6. Margin(dB) = Remark result(dBuV/m) Average limit(dBuV/m).

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Operation Mode: TX / IEEE 802.11g / CH Mid **Test Date:** January 20, 2015

Report No.: T150109W06-RP1

Temperature: 27 °C **Tested by:** Owen Wu **Humidity:** 53 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant. Pol. (H/V)
1400.000	52.02	-7.97	44.05	74.00	-29.95	peak	V
N/A							
1520.000	50.61	-7.42	43.19	74.00	-30.81	peak	Н
N/A							

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- 3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
- 4. Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 6. Margin(dB) = Remark result(dBuV/m) Average limit(dBuV/m).

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Operation Mode: TX / IEEE 802.11g / CH High **Test Date:** January 20, 2015

Report No.: T150109W06-RP1

Temperature: 27 °C **Tested by:** Owen Wu **Humidity:** 53 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant. Pol. (H/V)
1792.000	52.34	-5.98	46.36	74.00	-27.64	peak	V
N/A							
1336.000	51.78	-8.25	43.53	74.00	-30.47	peak	Н
N/A							

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- 3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
- 4. Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 6. Margin(dB) = Remark result(dBuV/m) Average limit(dBuV/m).

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Operation Mode: TX / IEEE 802.11n HT 20 MHz mode / CH Low Test Date: January 20, 2015

Report No.: T150109W06-RP1

Temperature:27 °CTested by: Owen WuHumidity:53 % RHPolarity: Ver. / Hor.

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant. Pol. (H/V)
1394.000	52.13	-8.00	44.13	74.00	-29.87	peak	V
N/A							
1620.000	50.13	-6.89	43.24	74.00	-30.76	peak	Н
N/A							

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- 3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
- 4. Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 6. Margin(dB) = Remark result(dBuV/m) Average limit(dBuV/m).

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Operation Mode: TX / IEEE 802.11n HT 20 MHz mode / CH Mid Test Date: January 20, 2015

Report No.: T150109W06-RP1

Temperature:27°CTested by: Owen WuHumidity:53 % RHPolarity: Ver. / Hor.

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant. Pol. (H/V)
1956.000	52.07	-5.11	46.96	74.00	-27.04	peak	V
N/A							
1954.000	51.24	-5.12	46.12	74.00	-27.88	peak	Н
N/A							

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- 3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
- 4. Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 6. Margin(dB) = Remark result(dBuV/m) Average limit(dBuV/m).

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Operation Mode: TX / IEEE 802.11n HT 20 MHz mode / CH High Test Date: January 20, 2015

Report No.: T150109W06-RP1

Temperature:27°CTested by: Owen WuHumidity:53 % RHPolarity: Ver. / Hor.

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant. Pol. (H/V)
1400.000	51.39	-7.97	43.42	74.00	-30.58	peak	V
N/A							
1394.000	51.81	-8.00	43.81	74.00	-30.19	peak	Н
N/A							

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- 3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
- 4. Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 6. Margin(dB) = Remark result(dBuV/m) Average limit(dBuV/m).

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Operation Mode: TX / IEEE 802.11n HT 40 MHz mode

/ CH Low

Temperature: 27°C **Tested by:** Owen Wu

Humidity: 53 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant. Pol. (H/V)
1796.000	50.59	-5.96	44.63	74.00	-29.37	peak	V
N/A							
1774.000	50.29	-6.08	44.21	74.00	-29.79	peak	Н
N/A							

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- 3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
- 4. Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 6. Margin(dB) = Remark result(dBuV/m) Average limit(dBuV/m).

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Test Date: January 20, 2015

Operation Mode: TX / IEEE 802.11n HT 40 MHz mode

/ CH Mid

Temperature: 27°C **Tested by:** Owen Wu

Humidity: 53 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant. Pol. (H/V)
1794.000	51.94	-5.97	45.97	74.00	-28.03	peak	V
N/A							
1738.000	50.69	-6.27	44.42	74.00	-29.58	nools	Н
	30.09	-0.27	44.42	74.00	-29.38	peak	П
N/A							

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- 3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
- 4. Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 6. Margin(dB) = Remark result(dBuV/m) Average limit(dBuV/m).

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Report No.: T150109W06-RP1

Test Date: January 20, 2015

Operation Mode: TX / IEEE 802.11n HT 40 MHz mode

/ CH High

Temperature: 27°C **Tested by:** Owen Wu

Humidity: 53 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant. Pol. (H/V)
1746.000	49.79	-6.23	43.56	74.00	-30.44	peak	V
N/A							
150 6 000	#0.00	7 .0.5	45.02	74.00	20.05		**
1796.000	50.99	-5.96	45.03	74.00	-28.97	peak	Н
N/A							

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- 3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
- 4. Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 6. Margin(dB) = Remark result(dBuV/m) Average limit(dBuV/m).

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Test Date: January 20, 2015