FCC 47 CFR PART 15 SUBPART C

Report No.: C160415Z12-RP1-1

for

Wireless Router

Model: AC40, AC50, AC60, AC70, A655W

Brand: UTT

Test Report Number: C160415Z12-RP1-1 Issued Date: May 31, 2016

Issued for

SHANGHAI UTT TECHNOLOGIES CO., LTD.

Room 301, No.9 Building, No.518, Xinzhuan Rd., Songjianç
District, Shanghai, China

Issued by:

Compliance Certification Services (Shenzhen) Inc.

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Revision History

Rev.	Issue Date	Revisions	Effect Page	Revised By
00	May 31, 2016	Initial Issue	ALL	Sabrina Wang

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1 TEST CERTIFICATION

Product	Wireless Router
Model	AC40, AC50, AC60, AC70, A655W
Brand	UTT
Tested	April 15~May 30, 2016
Applicant	SHANGHAI UTT TECHNOLOGIES CO., LTD. Room 301, No.9 Building, No.518, Xinzhuan Rd., Songjiang District, Shanghai, China
Manufacturer	SHANGHAI UTT TECHNOLOGIES CO., LTD. Room 301, No.9 Building, No.518, Xinzhuan Rd., Songjiang District, Shanghai, China

APPLICABLE STANDARDS						
Standard	Test Type	Standard	Test Type			
15.207(a)	Power Line Conducted Emissions	15.247(d) 15.209(a)	Spurious EmissionsConducted MeasurementRadiated Emissions			
15.247(a)(2)	6dB Bandwidth Measurement	15.247(b)(3) 15.247(b)(4)	Peak Power Measurement			
15.247(d)	Band Edges Measurement	15.247(e)	Peak Power Spectral Density			

We hereby certify that:

The above equipment was tested by Compliance Certification Services (Shenzhen) 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 C63.10: 2013** 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. The test results of this report relate only to the tested sample EUT identified in this report.

Approved by:

Reviewed by:

Sunday Hu

Supervisor of EMC Dept.

Compliance Certification Services (Shenzhen)

Inc.

Ruby Zhang

Supervisor of Report Dept.

Compliance Certification Services (Shenzhen)

Report No.: C160415Z12-RP1-1

Inc.

2 TEST RESULT SUMMARY

	APPLICABLE STANDARDS							
Standard	Test Type	Result	Remark					
15.247(a)(2)	6dB Bandwidth Measurement	Pass	Meet the requirement of limit.					
15.247(b)(3) 15.247(b)(4)	Peak Power Measurement	Pass	Meet the requirement of limit.					
15.247(d)	Band Edges Measurement	Pass	Meet the requirement of limit.					
15.247(e)	247(e) Peak Power Spectral Density		Meet the requirement of limit.					
15.247(d) 15.209(a)	Spurious EmissionsConducted MeasurementRadiated Emissions	Pass	Meet the requirement of limit.					
15.207(a)	Power line Conducted Emissions	Pass	Meet the requirement of limit.					

Note: 1. The statements of test result on the above are decided by the request of test standard only; the measurement uncertainties are not factored into this compliance determination.

^{2.} The information of measurement uncertainty is available upon the customer's request.

3 EUT DESCRIPTION

Product	Wireless Router
Model Number	AC40, AC50, AC60, AC70, A655W
Brand	UTT
Model Discrepancy	All models are identical to each other except the different model name.
Identify Number	C160415Z12-RP1-1
Received Date	April 15, 2016
Power Supply	DC12V supplied by the Adapter
Adapter Manufacturer /Model No.	SHENZHEN FUJIA APPLIANCE CO., LTD. / FJ-SW1202000N I/P: 100-240Vac, 50/60Hz, 0.6A max O/P: 12Vdc, 2000mA DC Output Cable: Unshielded 1.50m
Transmit Power	IEEE 802.11b mode: 25.23dBm (Antenna 1) IEEE 802.11b mode: 23.30dBm (Antenna 2) IEEE 802.11g mode: 26.63dBm (Antenna 1) IEEE 802.11g mode: 28.22dBm (Antenna 2) IEEE 802.11n HT20 MHz mode: 28.53dBm(Combine with Antenna 1 and Antenna 2) IEEE 802.11n HT40 MHz mode: 27.35dBm(Combine with Antenna 1 and Antenna 2)
Modulation Technique	IEEE 802.11b mode: DSSS(CCK,QPSK, BPSK) IEEE 802.11g mode: OFDM (BPSK/QPSK/16QAM/64QAM) IEEE 802.11n HT20 MHz mode: OFDM (BPSK/QPSK/16QAM/64QAM) IEEE 802.11n HT40 MHz mode: OFDM (BPSK/QPSK/16QAM/64QAM)
Transmit Data Rate	IEEE 802.11b: 11Mbps(CCK) with fall back rates of 5.5/2/1Mbps IEEE 802.11g: 54Mbps with fall back rates of 48/36/24/18/12/9 /6Mbps IEEE 802.11n HT20: 130Mbps with fall back rates of 130/117/104/ 78/52/39/26/13Mbps IEEE 802.11n HT40: 270Mbps with fall back rates of 270/243/216/ 162/108/81/54/27Mbps
Number of Channels	IEEE 802.11b mode: 11 Channels IEEE 802.11g mode: 11 Channels IEEE 802.11n HT20 MHz mode: 11 Channels IEEE 802.11n HT40 MHz mode: 7 Channels
Antenna Specification	External Antenna with 5dBi gain (Max)
Channels Spacing	IEEE 802.11b/g ,802.11n HT20/HT40 : 5MHz
Temperature Range	-10°C ~ +50°C
Hardware Version	MT7620-K
Software Version	nvAC60v1.8.11-160330.bin

Note: 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>XPF-REG10-UTT</u> filing to comply with Section 15.207, 15.209 and 15.247 of the FCC Part 15, Subpart C Rules.

4 TEST METHODOLOGY

4.1. DESCRIPTION OF TEST MODES

The EUT has been tested under operating condition.

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

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11111111111111111							
Test Item	Test mode	Worse mode					
Conducted Emission	Mode 1: TX						
Radiated Emission	Mode 1: TX						

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

IEEE802.11b mode: Channel Low (2412MHz), Channel Mid (2437MHz) and Channel High (2462MHz) with 1Mbps data rate were chosen for full testing.

IEEE802.11g mode: Channel Low (2412MHz), Channel Mid (2437MHz) and Channel High (2462MHz) with 6Mbps data rate were chosen for full testing.

IEEE 802.11n HT20 MHz mode: Channel Low (2412MHz), Channel Mid (2437MHz) and Channel High (2462MHz) with 13Mbps data rate were chosen for full testing.

IEEE 802.11n HT40 MHz mode: Channel Low (2422MHz), Channel Mid (2437MHz) and Channel High (2452MHz) with 27Mbps data rate were chosen for full testing.

5 SETUP OF EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

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No.	Equipment	Model No.	Serial No.	FCC ID	Brand	Data Cable	Power Cord
1	Notebook	E335	N/A	DOC	Thinkpad	Shielded 1.50m	Unshielded 2.00m

Note:

Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

5.2. CONFIGURATION OF SYSTEM UNDER TEST

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

6 FACILITIES AND ACCREDITATIONS

6.1. FACILITIES

All measurement facilities used to collect the measurement data are located at No.10-1 Mingkeda Logistics park, No.18, Huanguan South Rd., Guan Lan Town, Baoan District, Shenzhen, China

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The sites are constructed in conformance with the requirements of ANSI C63.10, ANSI C63.7 and CISPR Publication 22. All receiving equipment conforms to CISPR Publication 16-1, "Radio Interference Measuring Apparatus and Measurement Methods."

6.2. ACCREDITATIONS

Our laboratories are accredited and approved by the following accreditation body according to ISO/IEC 17025.

USA A2LA China CNAS

The measuring facility of laboratories has been authorized or registered by the following approval agencies.

USA FCC

Japan VCCI(C-4815,R-4320,T-2317, G-10624)

Canada INDUSTRY CANADA

Copies of granted accreditation certificates are available for downloading from our web site, http://www.ccssz.com

6.3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

Parameter	Uncertainty
Radiated Emission, 30 to 200 MHz Test Site: 966(2)	+/-3.6880dB
Radiated Emission, 200 to 1000 MHz Test Site: 966(2)	+/-3.6695dB
Radiated Emission, 1 to 8 GHz	+/-5.1782dB
Radiated Emission, 8 to 18 GHz	+/-5.2173dB
Conducted Emissions	+/-3.6836dB
Band Width	178kHz
Peak Output Power MU	+/-1.906dB
Band Edge MU	+/-0.182dB
Channel Separation MU	416.178Hz
Duty Cycle MU	0.054ms
Frequency Stability MU	226Hz

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

The measured result is above (below) the specification limit by a margin less than the measurement uncertainty; it is therefore not possible to state compliance based on the 95% level of confidence. However, the result indicates that compliance (non-compliance) is more probable than non-compliance) with the specification limit.

7 FCC PART 15.247 REQUIREMENTS

7.1. POWER LINE CONDUCTED EMISSIONS MEASUREMENT

7.1.1. LIMITS OF CONDUCTED EMISSIONS MEASUREMENT

According to §15.207(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 Range		nits :µV)
(MHz)	Quasi-peak	Average
0.15 to 0.50	66 to 56*	56 to 46*
0.50 to 5	56	46
5 to 30	60	50

NOTE

- (1) The lower limit shall apply at the transition frequencies.
- (2) The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50 MHz.
- (3) All emanations from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

7.1.2. TEST INSTRUMENTS

	Conducted Emission Test Site								
Name of Equipment	Manufacturer	Model Number	Serial Number	Last Calibration	Due Calibration				
EMI TEST RECEIVER	ROHDE&SCHWARZ	ESCI	100783	02/21/2016	02/20/2017				
LISN(EUT)	ROHDE&SCHWARZ	ENV216	101543-WX	02/21/2016	02/20/2017				
LISN	EMCO	3825/2	8901-1459	02/21/2016	02/20/2017				
Temp. / Humidity Meter	VICTOR	HTC-1	N/A	02/21/2016	02/20/2017				
Test S/W	FARAD		EZ-EMC/ CCS-3A	1-CE					

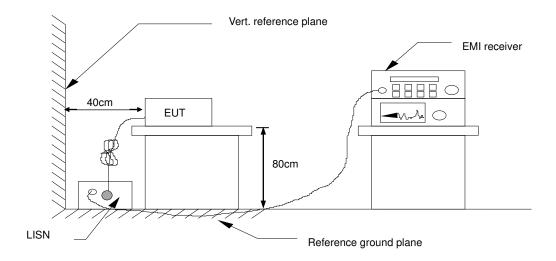
NOTE: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

2. N.C.R = No Calibration Request.

7.1.3. TEST PROCEDURES (please refer to measurement standard)

- The EUT and Support equipment, if needed, was placed on a non-conducted table, which is 0.8m above the ground plane and 0.4m away from the conducted wall.
- The test equipment EUT installed received AC main power, through a Line Impedance Stabilization Network (LISN), which supplied power source and was grounded to the ground plane. All support equipment power received from a second LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.
- The EUT test program was started. Emissions were measured on each current carrying line of the EUT using an EMI Test Receiver connected to the LISN powering the EUT.
- The frequency range from 150 kHz to 30 MHz was searched. The test data of the worst-case condition(s) was recorded. Emission levels under limit 20dB were not recorded.

7.1.4. TEST SETUP



For the actual test configuration, please refer to the related item - Photographs of the Test Configuration.

7.1.5. DATA SAMPLE

Frequency (MHz)		Average Reading (dBuV)		QuasiPeak Result (dBuV)	Average Result (dBuV)	QuasiPeak Limit (dBuV)	Average Limit (dBuV)	QuasiPeak Margin (dB)	Margin	Remark (Pass/Fail)
X.XXXX	32.69	25.65	11.52	44.21	37.17	65.78	55.79	-21.57	-18.62	Pass

Factor = Insertion loss of LISN + Cable Loss

Result = Quasi-peak Reading/ Average Reading + Factor

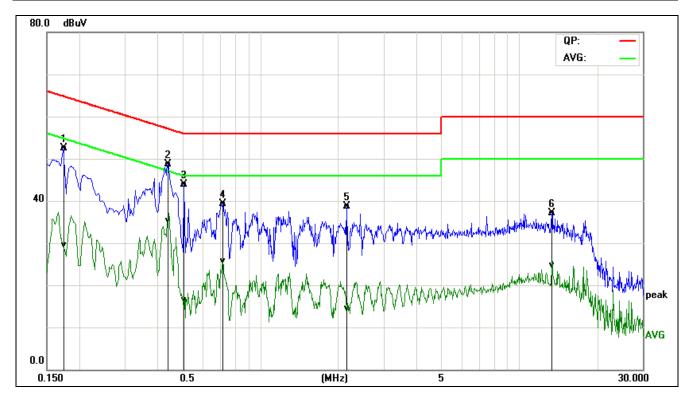
Limit = Limit stated in standard

Margin = Result (dBuV) – Limit (dBuV)

7.1.6. TEST RESULTS

Model No.		RBW,VBW	9 kHz
Environmental Conditions	22°C, 45% RH	Test Mode	Mode 1
Tested by	Jack Chen	Line	L1
Test Date	April 20, 2016		

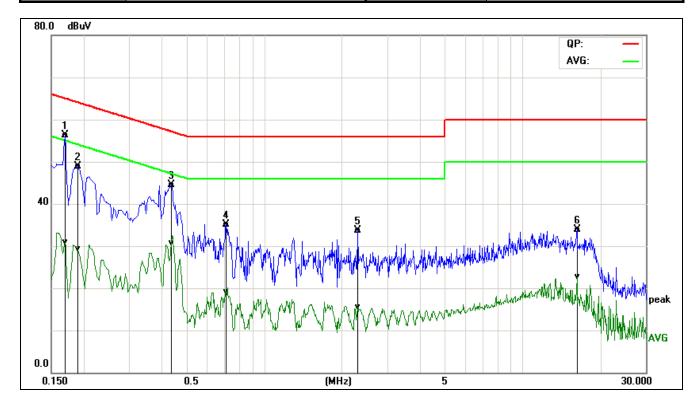
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Frequency (MHz)	QuasiPeak Reading (dBuV)	Average Reading (dBuV)		QuasiPeak Result (dBuV)	Average Result (dBuV)	QuasiPeak Limit (dBuV)	Average Limit (dBuV)	QuasiPeak Margin (dB)	Margin	Remark (Pass/Fail)	Line (L1/L2)
0.1740	42.70	19.75	9.78	52.48	29.53	64.76	54.77	-12.28	-25.24	Pass	L1
0.4420	38.82	25.46	9.86	48.68	35.32	57.02	47.02	-8.34	-11.70	Pass	L1
0.5100	34.05	6.59	9.88	43.93	16.47	56.00	46.00	-12.07	-29.53	Pass	L1
0.7180	29.46	15.85	9.89	39.35	25.74	56.00	46.00	-16.65	-20.26	Pass	L1
2.1660	28.76	4.54	9.94	38.70	14.48	56.00	46.00	-17.30	-31.52	Pass	L1
13.3580	26.97	14.52	10.10	37.07	24.62	60.00	50.00	-22.93	-25.38	Pass	L1

REMARKS: L1 = Line One (Live Line)

Model No.		RBW,VBW	9 kHz
Environmental Conditions	22°C, 45% RH	Test Mode	Mode 1
Tested by	Jack Chen	Line	L2
Test Date	April 20, 2016		



Frequency (MHz)	QuasiPeak Reading (dBuV)	Average Reading (dBuV)		QuasiPeak Result (dBuV)	Average Result (dBuV)	QuasiPeak Limit (dBuV)	Average Limit (dBuV)	QuasiPeak Margin (dB)	Margin	Remark (Pass/Fail)	Line (L1/L2)
0.1700	46.36	21.06	9.88	56.24	30.94	64.96	54.96	-8.72	-24.02	Pass	L2
0.1900	39.00	19.37	9.89	48.89	29.26	64.03	54.04	-15.14	-24.78	Pass	L2
0.4380	34.58	20.86	9.88	44.46	30.74	57.10	47.10	-12.64	-16.36	Pass	L2
0.7140	25.26	9.17	9.89	35.15	19.06	56.00	46.00	-20.85	-26.94	Pass	L2
2.3020	23.71	5.47	9.95	33.66	15.42	56.00	46.00	-22.34	-30.58	Pass	L2
16.2260	23.85	12.54	10.13	33.98	22.67	60.00	50.00	-26.02	-27.33	Pass	L2

REMARKS: L2 = Line Two (Neutral Line)

7.2. SPURIOUS EMISSIONS MEASUREMENT

7.2.1. CONDUCTED EMISSIONS MEASUREMENT

7.2.1.1. LIMITS OF CONDUCTED EMISSIONS MEASUREMENT

§15.247(d) specifies that in any 100 kHz bandwidth outside of the authorized frequency band, the power shall be attenuated according to the following conditions:

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If the peak output power procedure is used to measure the fundamental emission power to demonstrate compliance to 15.247(b)(3)requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak PSD level.

If the average output power procedure is used to measure the fundamental emission power to demonstrate compliance to 15.247(b)(3)requirements, then the power in any 100 kHz outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum measured in-band average PSD level.

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)).

7.2.1.2. TEST INSTRUMENTS

Name of Equipment	Manufacturer	Model	Serial Number	Last Calibration	Due Calibration	
Spectrum Analyzer	Agilent	N9010A	MY55370330	02/21/2016	02/20/2017	

7.2.1.3. TEST PROCEDURE (please refer to measurement standard)

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.

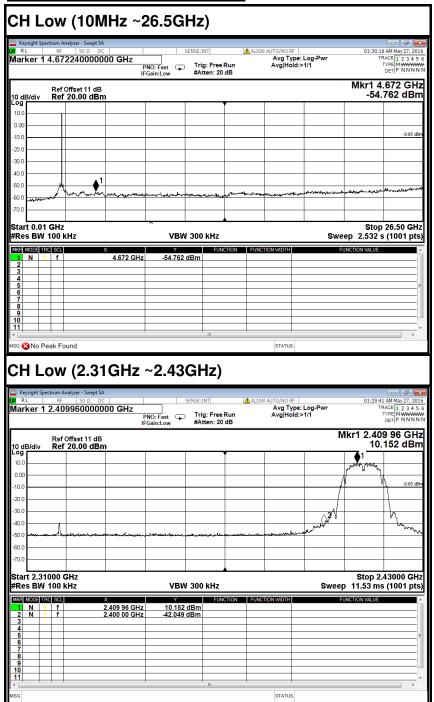
The transmitter output is connected to the spectrum analyzer. The resolution bandwidth is set to 100 kHz. The video bandwidth is set to 300 kHz.

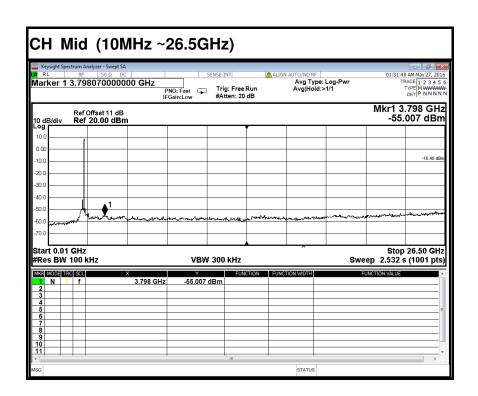
Measurements are made over the 10MHz to 26GHz range with the transmitter set to the lowest, middle, and highest channels. No emission found between lowest internal used/generated frequency to 10MHz, it is only recorded 10MHz to 26GHz.

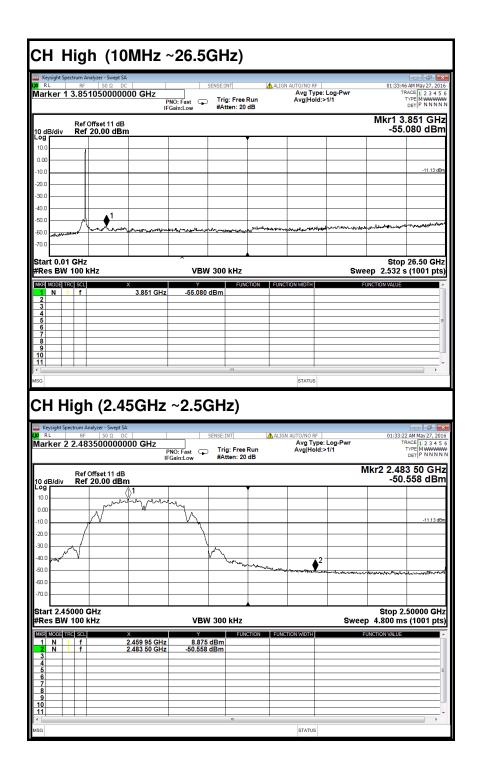
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7.2.1.4. TEST RESULTS

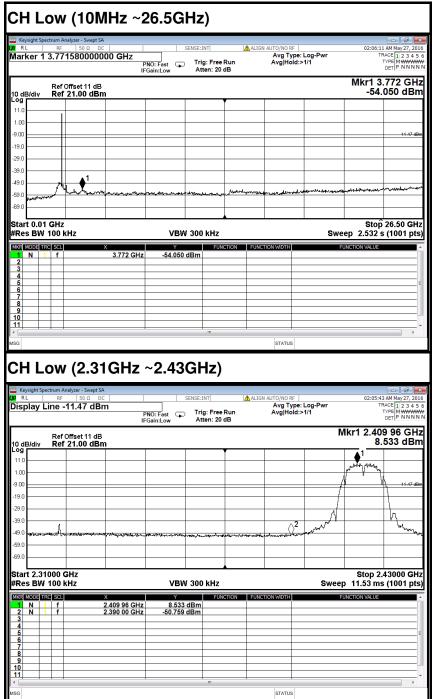
<u>Test Plot</u> <u>IEEE 802.11b mode (Antenna 1)</u>

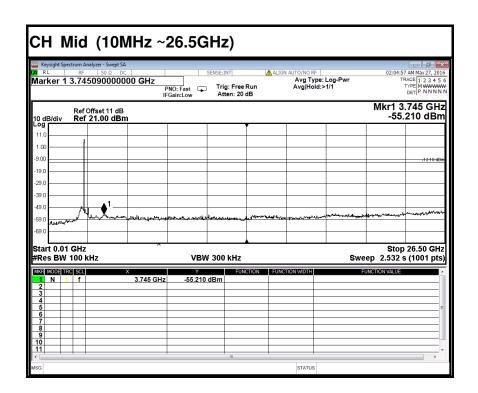


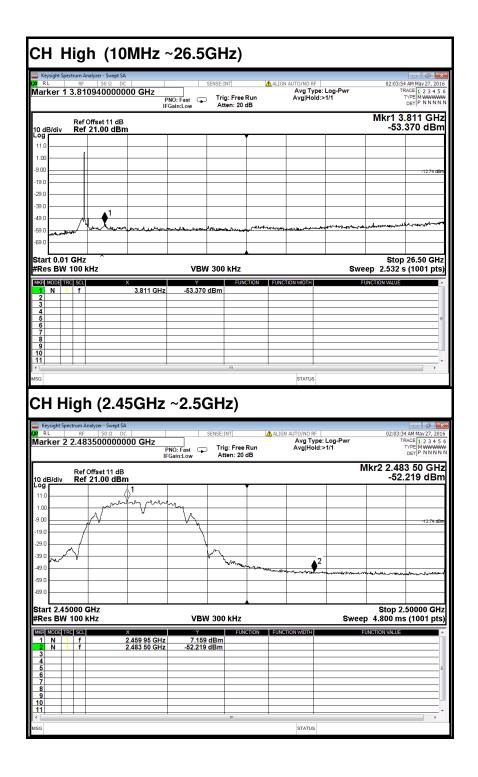




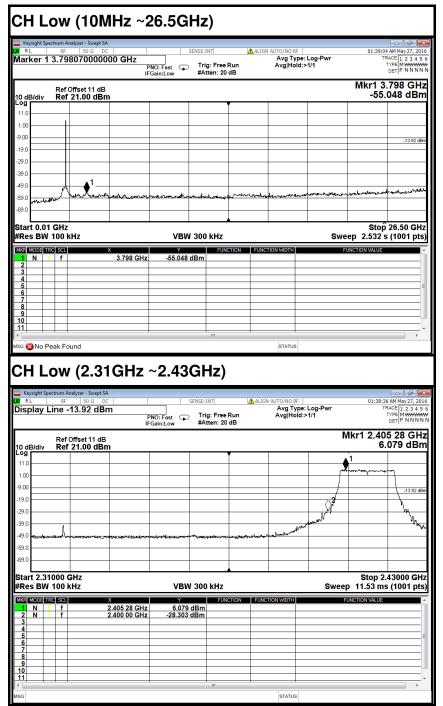
IEEE 802.11b mode (Antenna 2)

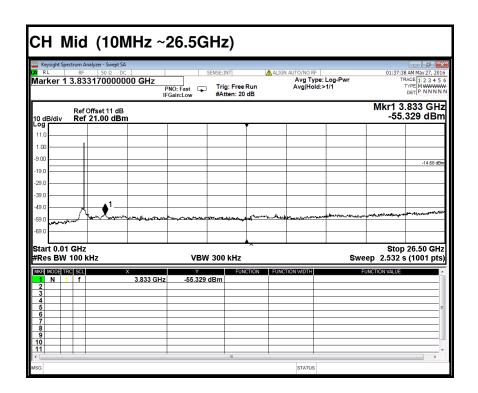


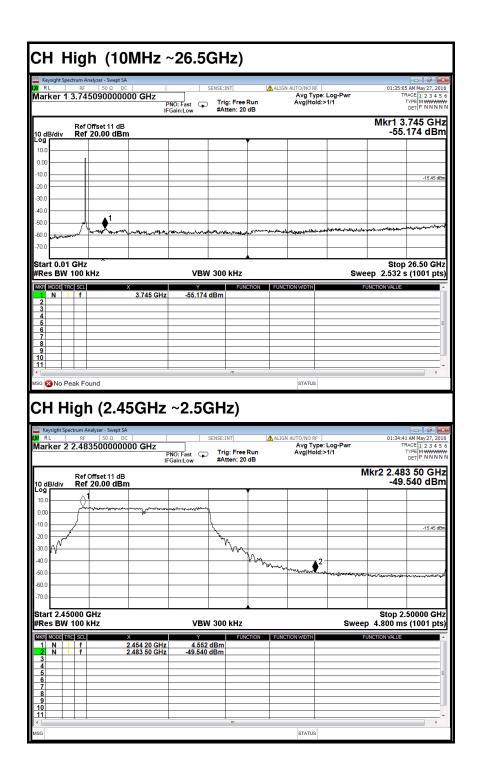




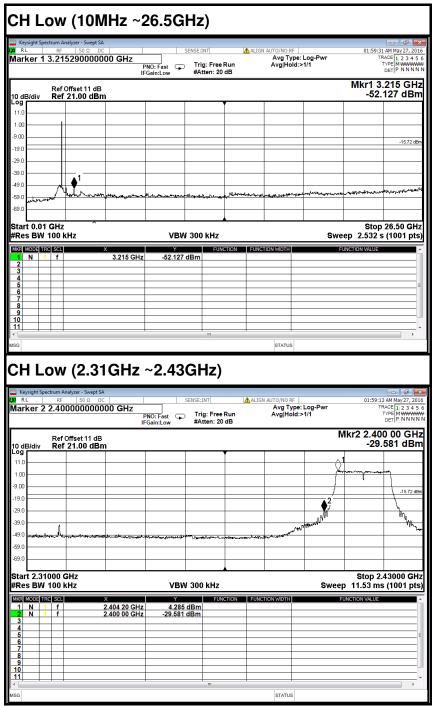
IEEE 802.11g mode (Antenna 1)

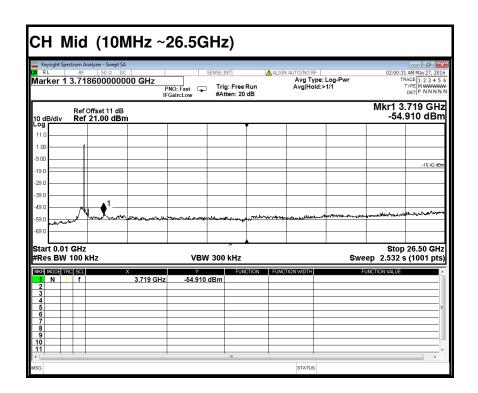


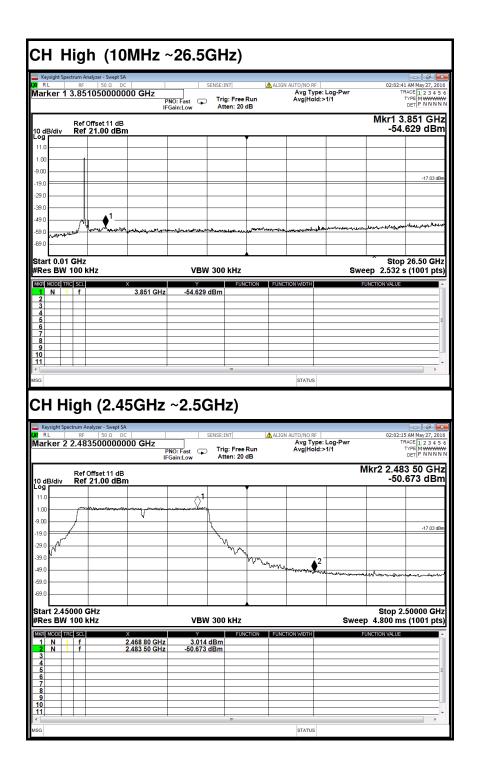




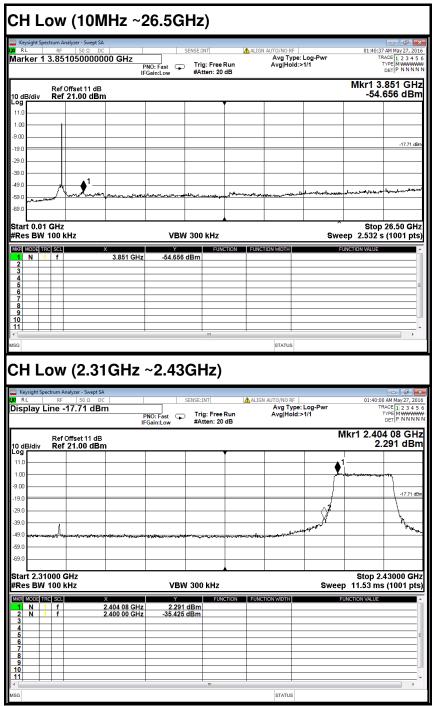
IEEE 802.11g mode (Antenna 2)

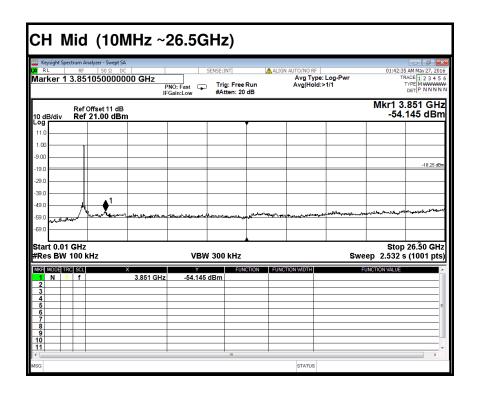


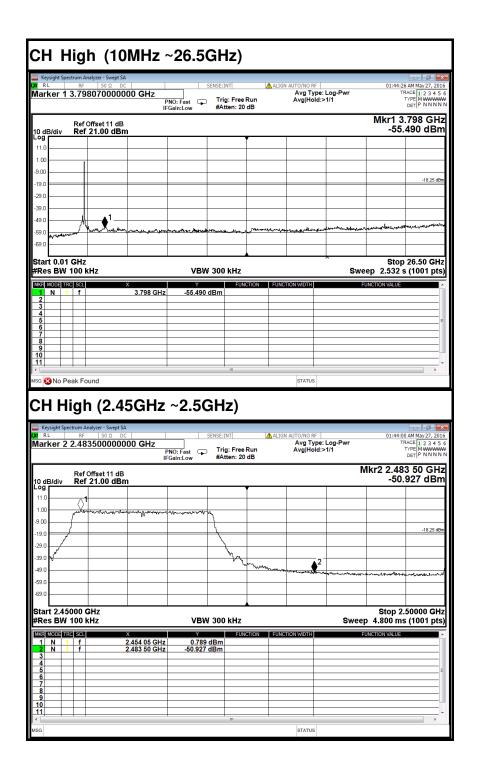




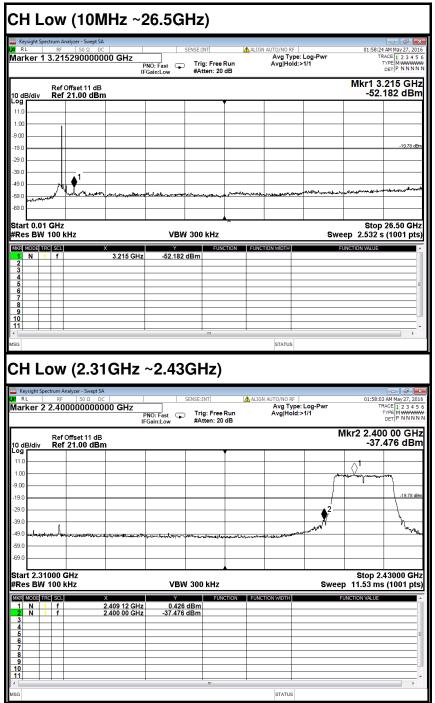
IEEE 802.11n HT20 MHz mode (Antenna 1)

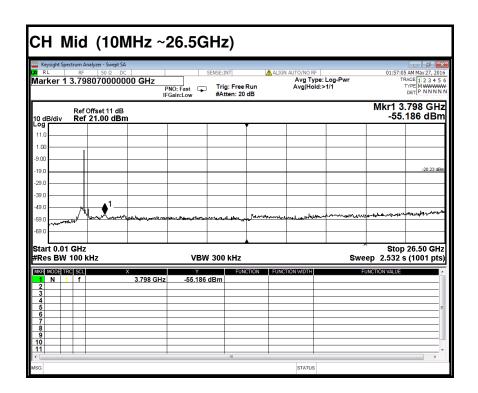


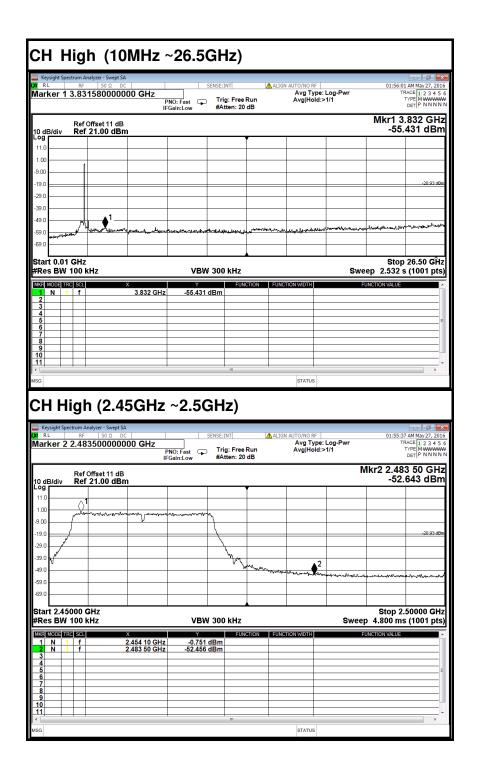




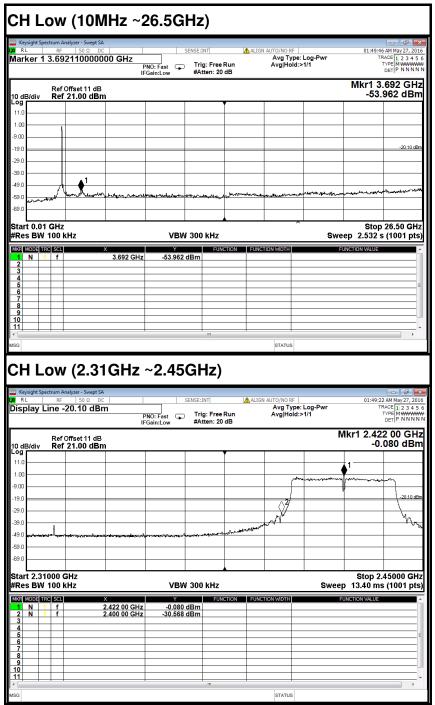
IEEE 802.11n HT20 MHz mode (Antenna 2)

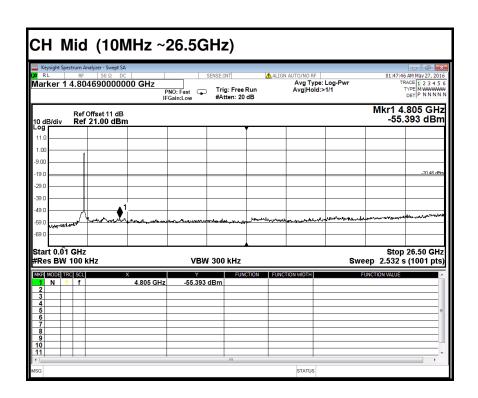


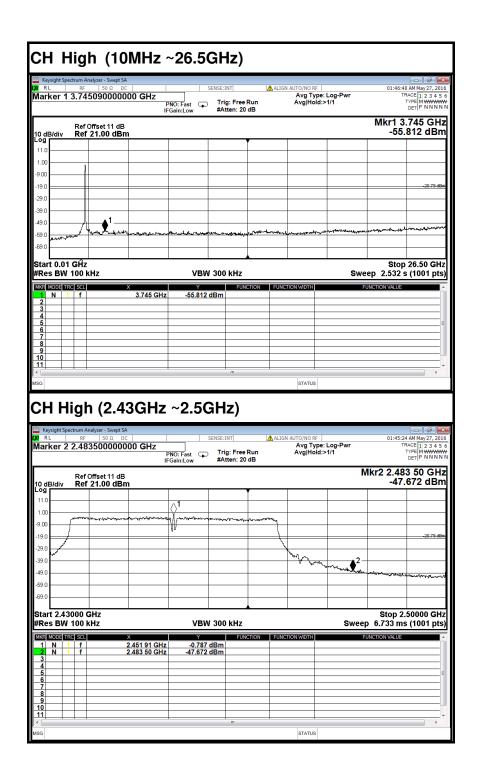




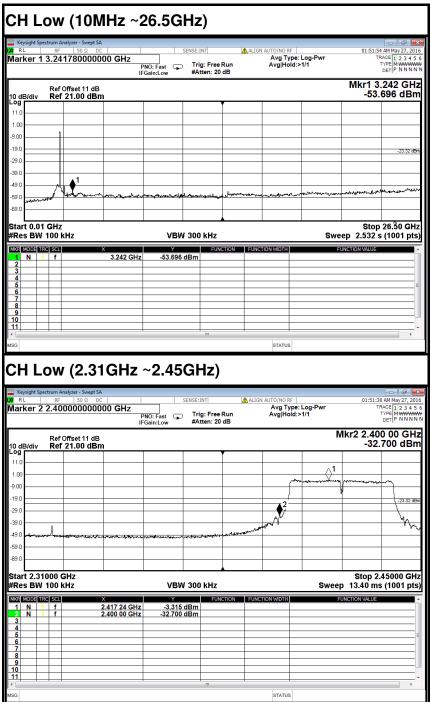
IEEE 802.11n HT40 MHz mode (Antenna 1)

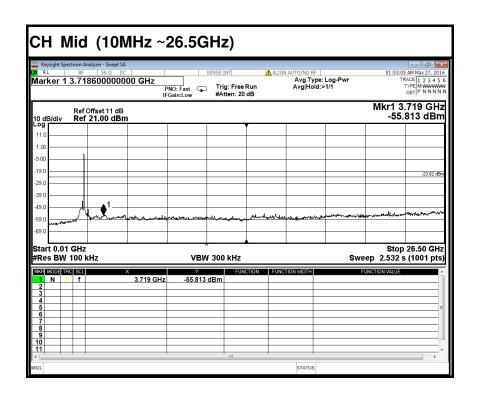


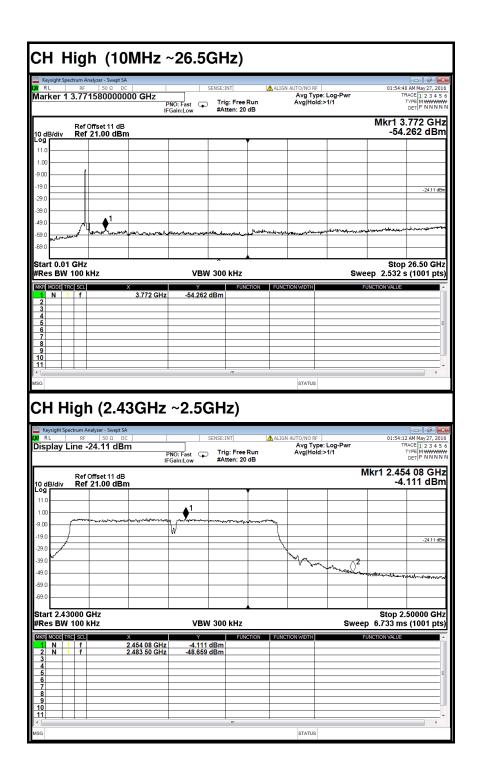




IEEE 802.11n HT40 MHz mode (Antenna 2)







7.2.2. RADIATED EMISSIONS MEASUREMENT

7.2.2.1. LIMITS OF RADIATED EMISSIONS MEASUREMENT

According to §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:

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Frequency (MHz)	Field Strength (mV/m)	Measurement Distance (m)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100*	3
88-216	150*	3
216-960	200*	3
Above 960	500	3

Remark: 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.

1. In the emission table above, the tighter limit applies at the band edges.

Frequency (MHz)	Field Strength (μV/m at 3-meter)	Field Strength (dBµV/m at 3-meter)
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54

NOTE:(1) The lower limit shall apply at the transition frequencies.

⁽²⁾ Emission level (dBuV/m) = 20 log Emission level (uV/m).

7.2.2.2. TEST INSTRUMENTS

	Radiated Er	mission Test S	Site 966 (2)		
Name of Equipment	Manufacturer	Model Number	Serial Number	Last Calibration	Due Calibration
PSA Series Spectrum Analyzer	Agilent	E4446A	US44300399	02/21/2016	02/20/2017
EMI TEST RECEIVER	ROHDE&SCHWARZ	ESCI	100783	02/21/2016	02/20/2017
Amplifier	EMEC	EM330	060661	03/18/2016	03/17/2017
High Noise Amplifier	Agilent	8449B	3008A01838	02/21/2016	02/20/2017
Loop Antenna	COM-POWER	AL-130	121044	09/25/2015	09/24/2016
Bilog Antenna	SCHAFFNER	CBL6143	5082	02/21/2016	02/20/2017
Horn Antenna	SCHWARZBECK	BBHA9120	D286	02/28/2016	02/27/2017
Board-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170-497	02/28/2016	02/27/2017
Turn Table	N/A	N/A	N/A	N.C.R	N.C.R
Antenna Tower	SUNOL	TLT2	N/A	N.C.R	N.C.R
Controller	Sunol Sciences	SC104V	022310-1	N.C.R	N.C.R
Controller	СТ	N/A	N/A	N.C.R	N.C.R
Temp. / Humidity Meter	Anymetre	JR913	N/A	02/21/2016	02/20/2017
Test S/W	FARAD		LZ-RF / CCS	S-SZ-3A2	

NOTE: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

- 2. The FCC Site Registration number is 101879.
- 3. N.C.R = No Calibration Required.

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7.2.2.3. TEST PROCEDURE (please refer to measurement standard)

- 1. The EUT is placed on a turntable, which is 0.8m or 1.5m 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.
- 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:

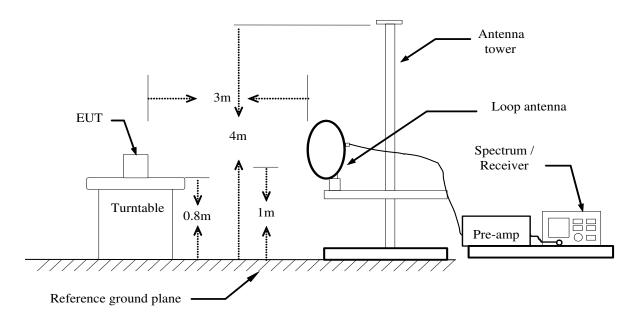
RBW=100kHz / VBW=300kHz / Sweep=AUTO

Above 1GHz:

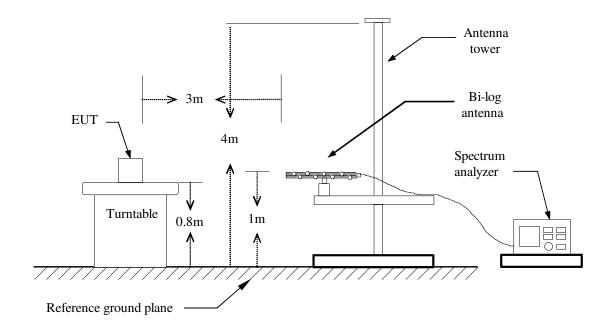
- (a) PEAK: RBW=1MHz, VBW=3MHz / Sweep=AUTO
- (b) AVERAGE: RBW=1MHz / VBW=10Hz / Sweep=AUTO
- 7. Repeat above procedures until the measurements for all frequencies
- 8. are complete.

7.2.2.4. TEST SETUP

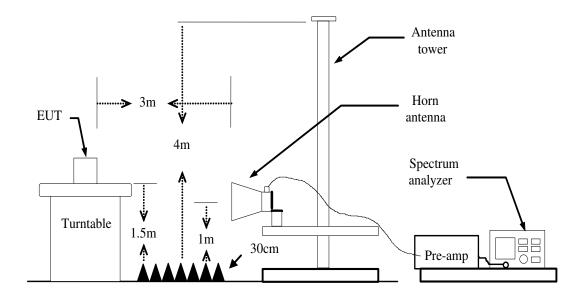
Below 30MHz



Below 1 GHz



Above 1 GHz



For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

7.2.2.5. DATA SAPLE

Below 1GHz

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
XXX.XXX	36.37	-12.20	24.17	40.00	-15.83	٧	QP

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Frequency (MHz) = Emission frequency in MHz

Reading (dBuV) = Uncorrected Analyzer / Receiver reading
Correct Factor (dB/m) = Antenna factor + Cable loss – Amplifier gain
Result (dBuV/m) = Reading (dBuV) + Corr. Factor (dB/m)

Limit (dBuV/m) = Limit stated in standard

Margin (dB) = Result (dBuV/m) – Limit (dBuV/m)

Q.P. = Quasi-peak Reading

Above 1GHz

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
XXXX.XXXX	62.09	-11.42	50.67	74.00	-23.33	V	Peak
XXXX.XXXX	49.78	-11.42	38.36	54.00	-15.64	V	AVG

Frequency (MHz) = Emission frequency in MHz

Reading (dBuV) = Uncorrected Analyzer / Receiver reading Correction Factor (dB/m) = Antenna factor + Cable loss – Amplifier gain Result (dBuV/m) = Reading (dBuV) + Corr. Factor (dB/m)

Limit (dBuV/m) = Limit stated in standard

Margin (dB) = Result (dBuV/m) – Limit (dBuV/m)

Peak = Peak Reading AVG = Average Reading

Calculation Formula

Margin (dB) = Result (dBuV/m) - Limits (dBuV/m) Result (dBuV/m) = Reading (dBuV) + Correction Factor

7.2.2.6. TEST RESULTS

Below 1 GHz

Test Mode: TX Tested by: Jack Chen
Ambient temperature: 24°C Relative humidity: 52% RH
Date: May 13, 2016

Report No.: C160415Z12-RP1-1

	, <u>—</u>				-		
Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
124.0900	48.05	-20.98	27.07	43.50	-16.43	V	QP
226.9100	50.25	-21.39	28.86	46.00	-17.14	V	QP
315.1800	47.36	-19.05	28.31	46.00	-17.69	V	QP
366.5900	44.96	-17.28	27.68	46.00	-18.32	V	QP
623.6400	44.86	-12.77	32.09	46.00	-13.91	V	QP
652.7400	45.54	-12.48	33.06	46.00	-12.94	V	QP
75.5900	58.16	-26.25	31.91	40.00	-8.09	Н	QP
222.0600	49.99	-20.66	29.33	46.00	-16.67	Н	QP
312.2700	50.45	-19.12	31.33	46.00	-14.67	Н	QP
349.1300	52.82	-17.70	35.12	46.00	-10.88	Н	QP
628.4900	44.75	-12.56	32.19	46.00	-13.81	Н	QP
900.0900	42.94	-9.83	33.11	46.00	-12.89	Н	QP

^{**}Remark: No emission found between lowest internal used/generated frequency to 30MHz.

Notes:

- 1. Radiated emissions measured in frequency range from 9kHz to 1GHz were made with an instrument using Quasi-peak detector mode.
- 2. 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.
- 3. The IF bandwidth of Receiver between 30MHz to 1GHz was 120kHz.

4. Frequency (MHz).

= Emission frequency in MHz

Reading (dBµV/m)

= Receiver reading

Correction Factor (dB)

= Antenna factor + Cable loss - Amplifier gain

 $Limit (dB\mu V/m)$ = Limit stated in standard

Margin (dB)

= Measured (dBμV/m) – Limits (dBμV/m)

Antenna Pol e(H/V)

= Current carrying line of reading

Above 1 GHz Antenna 1

Test Mode: TX / IEEE 802.11b(CH Low) Tested by: Jack Chen

Report No.: C160415Z12-RP1-1

Ambient temperature: 24°C Relative humidity: 52% RH Date: May 17, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
4825.000	49.39	4.41	53.80	74.00	-20.20	V	peak
4825.000	46.91	4.41	51.32	54.00	-2.68	V	AVG
5725.000	41.46	5.96	47.42	74.00	-26.58	V	peak
7585.000	41.42	8.84	50.26	74.00	-23.74	V	peak
8785.000	41.62	9.22	50.84	74.00	-23.16	V	peak
9520.000	40.72	10.60	51.32	74.00	-22.68	V	peak
9655.000	43.20	10.99	54.19	74.00	-19.81	V	peak
9655.000	38.33	10.99	49.32	54.00	-4.68	V	AVG
3835.000	42.38	0.89	43.27	74.00	-30.73	Н	Peak
4825.000	44.10	4.41	48.51	74.00	-25.49	Н	peak
5575.000	41.84	5.90	47.74	74.00	-26.26	Н	peak
7210.000	40.63	8.11	48.74	74.00	-25.26	Н	peak
7765.000	40.69	9.19	49.88	74.00	-24.12	Н	peak
8350.000	41.44	9.46	50.90	74.00	-23.10	Н	peak

- 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).

Test Mode: TX / IEEE 802.11b (CH Mid)

Ambient temperature: 24°C Relative humidity: 52% RH

Date: May 17, 2016

Report No.: C160415Z12-RP1-1

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
4870.000	48.35	4.56	52.91	74.00	-21.09	V	Peak
4870.000	46.65	4.56	51.21	54.00	-2.79	V	AVG
5635.000	41.05	5.93	46.98	74.00	-27.02	V	Peak
6505.000	40.47	6.90	47.37	74.00	-26.63	V	Peak
7315.000	43.40	8.31	51.71	74.00	-22.29	V	Peak
7735.000	41.31	9.13	50.44	74.00	-23.56	V	Peak
9745.000	45.09	11.25	56.34	74.00	-17.66	V	Peak
9745.000	38.97	11.25	50.22	54.00	-3.78	V	AVG
		1					
4870.000	45.15	4.56	49.71	74.00	-24.29	Н	Peak
5350.000	40.92	5.60	46.52	74.00	-27.48	Н	Peak
6565.000	40.92	7.00	47.92	74.00	-26.08	Н	Peak
6925.000	41.75	7.58	49.33	74.00	-24.67	Н	Peak
7720.000	41.80	9.10	50.90	74.00	-23.10	Н	Peak
8215.000	40.70	9.53	50.23	74.00	-23.77	Н	Peak

- 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).

Test Mode: TX / IEEE 802.11b (CH High)

Tested by: Jack Chen

Report No.: C160415Z12-RP1-1

Ambient temperature: 24°C Relative humidity: 52% RH Date: May 17, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
2215.000	54.93	-3.82	51.11	74.00	-22.89	V	Peak
4930.000	48.22	4.75	52.97	74.00	-21.03	V	Peak
4930.000	45.43	4.75	50.18	54.00	-3.82	V	AVG
5815.000	41.82	6.00	47.82	74.00	-26.18	V	Peak
6685.000	40.79	7.19	47.98	74.00	-26.02	V	Peak
7390.000	46.29	8.46	54.75	74.00	-19.25	V	Peak
7390.000	42.65	8.46	51.11	54.00	-2.89	V	AVG
9850.000	44.26	11.55	55.81	74.00	-18.19	V	Peak
9850.000	39.50	11.55	51.05	54.00	-2.95	V	AVG
4924.000	44.32	4.73	49.05	74.00	-24.95	Н	Peak
5662.000	41.05	5.94	46.99	74.00	-27.01	Н	Peak
6976.000	40.95	7.66	48.61	74.00	-25.39	Н	Peak
7228.000	40.69	8.14	48.83	74.00	-25.17	Н	Peak
7759.000	40.98	9.18	50.16	74.00	-23.84	Н	Peak
8317.000	41.42	9.48	50.90	74.00	-23.10	Н	Peak

- 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).

Antenna 2

Test Mode: TX / IEEE 802.11b(CH Low) Tested by: Jack Chen

Report No.: C160415Z12-RP1-1

Ambient temperature: 24°C Relative humidity: 52% RH Date: May 17, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
2197.000	59.60	-3.92	55.68	74.00	-18.32	V	peak
2197.000	50.29	-3.92	46.37	54.00	-7.63	V	AVG
3970.000	43.17	1.46	44.63	74.00	-29.37	V	peak
4825.000	51.76	4.41	56.17	74.00	-17.83	V	peak
4825.000	45.65	4.41	50.06	54.00	-3.94	V	AVG
6265.000	40.87	6.51	47.38	74.00	-26.62	V	peak
7237.000	43.76	8.16	51.92	74.00	-22.08	V	peak
9649.000	45.10	10.97	56.07	74.00	-17.93	V	peak
9649.000	40.26	10.97	51.23	54.00	-2.77	V	AVG
3340.000	43.88	-0.79	43.09	74.00	-30.91	Н	Peak
4375.000	41.57	2.91	44.48	74.00	-29.52	Н	Peak
4825.000	44.68	4.41	49.09	74.00	-24.91	Н	Peak
6085.000	41.39	6.22	47.61	74.00	-26.39	Н	peak
7228.000	40.69	8.14	48.83	74.00	-25.17	Н	peak
8326.000	42.19	9.47	51.66	74.00	-22.34	Н	peak

- 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).

Test Mode: TX / IEEE 802.11b (CH Mid)

Ambient temperature: 24°C

Relative humidity: 52% RH

Date: May 17, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
4870.000	47.10	4.56	51.66	74.00	-22.34	V	Peak
5383.000	41.41	5.66	47.07	74.00	-26.93	V	Peak
6517.000	41.16	6.92	48.08	74.00	-25.92	V	Peak
7894.000	42.11	9.44	51.55	74.00	-22.45	V	Peak
8488.000	41.41	9.38	50.79	74.00	-23.21	V	Peak
9748.000	41.37	11.25	52.62	74.00	-21.38	V	Peak
	•						
3925.000	43.58	1.27	44.85	74.00	-29.15	Н	Peak
4870.000	44.46	4.56	49.02	74.00	-24.98	Н	Peak
5482.000	41.99	5.84	47.83	74.00	-26.17	Н	Peak
6949.000	40.79	7.62	48.41	74.00	-25.59	Н	Peak
7651.000	41.09	8.97	50.06	74.00	-23.94	Н	Peak
8398.000	41.49	9.43	50.92	74.00	-23.08	Н	Peak

- 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).

Test Mode: TX / IEEE 802.11b (CH High)

Ambient temperature: 24°C

Relative humidity: 52% RH

Date: May 17, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
4420.000	43.05	3.07	46.12	74.00	-27.88	V	Peak
4924.000	43.73	4.73	48.46	74.00	-25.54	V	Peak
6148.000	41.49	6.32	47.81	74.00	-26.19	V	Peak
6931.000	41.09	7.59	48.68	74.00	-25.32	V	Peak
7948.000	40.28	9.55	49.83	74.00	-24.17	V	Peak
8461.000	40.69	9.40	50.09	74.00	-23.91	V	Peak
3889.000	43.21	1.12	44.33	74.00	-29.67	Н	Peak
4924.000	46.75	4.73	51.48	74.00	-22.52	Н	Peak
6742.000	40.77	7.28	48.05	74.00	-25.95	Н	Peak
7390.000	41.69	8.46	50.15	74.00	-23.85	Н	Peak
7948.000	40.76	9.55	50.31	74.00	-23.69	Н	Peak
9406.000	40.24	10.27	50.51	74.00	-23.49	Н	Peak

- 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).

Antenna 1

Test Mode: TX / IEEE 802.11g(CH Low)

Ambient temperature: 24°C Relative humidity: 52% RH

Date: May 17, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
2206.000	62.36	-3.87	58.49	74.00	-15.51	V	Peak
2206.000	50.35	-3.87	46.48	54.00	-7.52	V	AVG
4402.000	43.21	3.01	46.22	74.00	-27.78	V	Peak
4825.000	56.17	4.41	60.58	74.00	-13.42	V	Peak
4825.000	42.70	4.41	47.11	54.00	-6.89	V	AVG
5797.000	41.30	5.99	47.29	74.00	-26.71	V	Peak
7228.000	52.75	8.14	60.89	74.00	-13.11	V	Peak
7228.000	40.38	8.14	48.52	54.00	-5.48	V	AVG
9658.000	52.60	11.00	63.60	74.00	-10.40	V	Peak
9658.000	37.30	11.00	48.30	54.00	-5.70	V	AVG
4123.000	42.91	2.02	44.93	74.00	-29.07	Н	Peak
4825.000	53.23	4.41	57.64	74.00	-16.36	Н	Peak
4825.000	40.91	4.41	45.32	54.00	-8.68	Н	AVG
5482.000	41.63	5.84	47.47	74.00	-26.53	Н	Peak
5968.000	41.34	6.07	47.41	74.00	-26.59	Н	Peak
7237.000	45.77	8.16	53.93	74.00	-20.07	Н	Peak
7237.000	36.12	8.16	44.28	54.00	-9.72	Н	AVG
8344.000	40.86	9.46	50.32	74.00	-23.68	Н	Peak

- 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).

Test Mode: TX / IEEE 802.11g (CH Mid)

Ambient temperature: 24°C Relative humidity: 52% RH

Tested by: Jack Chen

Date: May 17, 2016

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Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
2197.000	63.40	-3.92	59.48	74.00	-14.52	V	Peak
2197.000	51.30	-3.92	47.38	54.00	-6.62	V	AVG
4186.000	43.35	2.24	45.59	74.00	-28.41	V	Peak
4879.000	53.64	4.59	58.23	74.00	-15.77	V	Peak
4879.000	41.72	4.59	46.31	54.00	-7.69	V	AVG
6517.000	40.36	6.92	47.28	74.00	-26.72	V	Peak
7309.000	48.99	8.30	57.29	74.00	-16.71	V	Peak
7309.000	36.82	8.30	45.12	54.00	-8.88	V	AVG
9748.000	46.16	11.25	57.41	74.00	-16.59	V	Peak
9748.000	30.86	11.25	42.11	54.00	-11.89	V	AVG
4051.000	42.53	1.77	44.30	74.00	-29.70	Н	Peak
4870.000	49.44	4.56	54.00	74.00	-20.00	Н	Peak
4870.000	37.60	4.56	42.16	54.00	-11.84	Н	AVG
6337.000	40.77	6.63	47.40	74.00	-26.60	Н	Peak
6877.000	41.30	7.50	48.80	74.00	-25.20	Н	Peak
7570.000	41.20	8.81	50.01	74.00	-23.99	Н	Peak
8560.000	40.74	9.34	50.08	74.00	-23.92	Н	Peak

- 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).

Test Mode: TX / IEEE 802.11g (CH High)

Ambient temperature: 24°C Relative humidity: 52% RH

Date: May 17, 2016

Report No.: C160415Z12-RP1-1

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Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark	
2197.000	64.23	-3.92	60.31	74.00	-13.69	V	Peak	
2197.000	52.05	-3.92	48.13	54.00	-5.87	V	AVG	
4510.000	41.12	3.38	44.50	74.00	-29.50	V	Peak	
4924.000	50.34	4.73	55.07	74.00	-18.93	V	Peak	
4924.000	38.55	4.73	43.28	54.00	-10.72	V	AVG	
6256.000	41.12	6.49	47.61	74.00	-26.39	V	Peak	
7381.000	49.19	8.44	57.63	74.00	-16.37	V	Peak	
7381.000	37.67	8.44	46.11	54.00	-7.89	V	AVG	
9856.000	48.00	11.57	59.57	74.00	-14.43	V	Peak	
9856.000	36.13	11.57	47.70	54.00	-6.30	V	AVG	
4465.000	41.33	3.23	44.56	74.00	-29.44	Н	Peak	
4933.000	47.61	4.76	52.37	74.00	-21.63	Н	Peak	
4933.000	35.36	4.76	40.12	54.00	-13.88	Н	AVG	
5464.000	41.00	5.81	46.81	74.00	-27.19	Н	Peak	
6949.000	41.19	7.62	48.81	74.00	-25.19	Н	Peak	
7399.000	41.89	8.48	50.37	74.00	-23.63	Н	Peak	
8245.000	40.46	9.52	49.98	74.00	-24.02	Н	Peak	

- 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).

Antenna 2

Test Mode: TX / IEEE 802.11g(CH Low) Tested by: Jack Chen

Report No.: C160415Z12-RP1-1

Ambient temperature: 24°C Relative humidity: 52% RH Date: May 17, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
4069.000	41.93	1.83	43.76	74.00	-30.24	V	Peak
4816.000	54.56	4.38	58.94	74.00	-15.06	V	Peak
4816.000	39.48	4.38	43.86	54.00	-10.14	V	AVG
6040.000	40.72	6.14	46.86	74.00	-27.14	V	Peak
7228.000	46.87	8.14	55.01	74.00	-18.99	V	Peak
8227.000	40.47	9.53	50.00	74.00	-24.00	V	Peak
9640.000	43.72	10.94	54.66	74.00	-19.34	V	Peak
4402.000	41.71	3.01	44.72	74.00	-29.28	Н	Peak
4825.000	49.60	4.41	54.01	74.00	-19.99	Н	Peak
4825.000	39.80	4.41	44.21	54.00	-9.79	Н	AVG
5509.000	41.78	5.87	47.65	74.00	-26.35	Н	Peak
6931.000	41.39	7.59	48.98	74.00	-25.02	Н	Peak
7237.000	44.11	8.16	52.27	74.00	-21.73	Н	Peak
7237.000	37.02	8.16	45.18	54.00	-8.82	Н	AVG
8371.000	41.24	9.45	50.69	74.00	-23.31	Н	Peak

- 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).

Test Mode: TX / IEEE 802.11g (CH Mid)

Ambient temperature: 24°C Relative humidity: 52% RH

Date: May 17, 2016

Report No.: C160415Z12-RP1-1

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
2854.000	47.91	-1.62	46.29	74.00	-27.71	V	Peak
4429.000	42.51	3.10	45.61	74.00	-28.39	V	Peak
4870.000	51.37	4.56	55.93	74.00	-18.07	V	Peak
4870.000	35.76	4.56	40.32	54.00	-13.68	V	AVG
6499.000	40.66	6.89	47.55	74.00	-26.45	V	Peak
7309.000	46.50	8.30	54.80	74.00	-19.20	V	Peak
7309.000	34.03	8.30	42.33	54.00	-11.67	V	AVG
8362.000	40.96	9.45	50.41	74.00	-23.59	V	Peak
3808.000	42.73	0.78	43.51	74.00	-30.49	Н	Peak
4735.000	41.73	4.12	45.85	74.00	-28.15	Н	Peak
4870.000	49.64	4.56	54.20	74.00	-19.80	Н	Peak
4870.000	37.62	4.56	42.18	54.00	-11.82	Н	AVG
5428.000	42.22	5.74	47.96	74.00	-26.04	Н	Peak
6796.000	41.21	7.37	48.58	74.00	-25.42	Н	Peak
8335.000	41.23	9.47	50.70	74.00	-23.30	Н	Peak

- 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).

Test Mode: TX / IEEE 802.11g (CH High)

Ambient temperature: 24°C Relative humidity: 52% RH

Tested by: Jack Chen

Date: May 17, 2016

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Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
4924.000	56.25	4.73	60.98	74.00	-13.02	V	Peak
4924.000	44.06	4.73	48.79	54.00	-5.21	V	AVG
6220.000	41.20	6.44	47.64	74.00	-26.36	V	Peak
7381.000	49.51	8.44	57.95	74.00	-16.05	V	Peak
7381.000	36.92	8.44	45.36	54.00	-8.64	V	AVG
8452.000	40.90	9.40	50.30	74.00	-23.70	V	Peak
9694.000	41.02	11.10	52.12	74.00	-21.88	V	Peak
9847.000	47.22	11.54	58.76	74.00	-15.24	V	Peak
9847.000	36.44	11.54	47.98	54.00	-6.02	V	AVG
4024.000	43.37	1.67	45.04	74.00	-28.96	Н	Peak
4447.000	42.27	3.16	45.43	74.00	-28.57	Н	Peak
4924.000	57.62	4.73	62.35	74.00	-11.65	Н	Peak
4924.000	46.66	4.73	51.39	54.00	-2.61	Н	AVG
5572.000	41.72	5.90	47.62	74.00	-26.38	Н	Peak
6400.000	40.77	6.73	47.50	74.00	-26.50	Н	Peak
7381.000	44.53	8.44	52.97	74.00	-21.03	Н	Peak
7381.000	31.95	8.44	40.39	54.00	-13.61	Н	AVG

- 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).

Combine with Antenna 1 and Antenna 2

Test Mode: TX / IEEE 802.11n HT20 MHz (CH Low) Tested by: Jack Chen

Report No.: C160415Z12-RP1-1

Ambient temperature: 24°C Relative humidity: 52% RH Date: May 17, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
2215.000	63.62	-3.82	59.80	74.00	-14.20	V	Peak
2215.000	52.02	-3.82	48.20	54.00	-5.80	V	AVG
4825.000	56.48	4.41	60.89	74.00	-13.11	V	Peak
4825.000	44.69	4.41	49.10	54.00	-4.90	V	AVG
6229.000	41.58	6.45	48.03	74.00	-25.97	V	Peak
7237.000	52.03	8.16	60.19	74.00	-13.81	V	Peak
7237.000	41.96	8.16	50.12	54.00	-3.88	V	Peak
8488.000	41.09	9.38	50.47	74.00	-23.53	V	AVG
9649.000	48.67	10.97	59.64	74.00	-14.36	V	Peak
9649.000	37.23	10.97	48.20	54.00	-5.80	V	AVG
	ı	T		T		T	
3979.000	42.52	1.50	44.02	74.00	-29.98	Н	Peak
4816.000	54.40	4.38	58.78	74.00	-15.22	Н	Peak
4816.000	42.80	4.38	47.18	54.00	-6.82	Н	AVG
5770.000	41.22	5.98	47.20	74.00	-26.80	Н	Peak
7237.000	47.43	8.16	55.59	74.00	-18.41	Н	Peak
7237.000	38.15	8.16	46.31	54.00	-7.69	Н	AVG
7750.000	41.58	9.16	50.74	74.00	-23.26	Н	Peak
8371.000	41.19	9.45	50.64	74.00	-23.36	Н	Peak

- 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).

Test Mode: TX / IEEE 802.11n HT20 MHz (CH Mid)

Ambient temperature: 24°C Relative humidity: 52% RH

Tested by: Jack Chen

Date: May 17, 2016

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Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark		
2197.000	63.51	-3.92	59.59	74.00	-14.41	V	Peak		
2197.000	52.43	-3.92	48.51	54.00	-5.49	V	AVG		
4870.000	57.89	4.56	62.45	74.00	-11.55	V	Peak		
4870.000	46.83	4.56	51.39	54.00	-2.61	V	AVG		
6922.000	42.42	7.57	49.99	74.00	-24.01	V	Peak		
7309.000	52.83	8.30	61.13	74.00	-12.87	V	Peak		
7309.000	41.82	8.30	50.12	54.00	-3.88	V	AVG		
9541.000	40.72	10.66	51.38	74.00	-22.62	V	Peak		
9757.000	49.26	11.28	60.54	74.00	-13.46	V	Peak		
9757.000	38.50	11.28	49.78	54.00	-4.22	V	AVG		
3772.000	42.72	0.63	43.35	74.00	-30.65	Н	Peak		
4879.000	54.50	4.59	59.09	74.00	-14.91	Н	Peak		
4879.000	44.72	4.59	49.31	54.00	-4.69	Н	AVG		
5815.000	40.81	6.00	46.81	74.00	-27.19	Н	Peak		
6292.000	40.79	6.55	47.34	74.00	-26.66	Н	Peak		
7318.000	44.98	8.32	53.30	74.00	-20.70	Н	Peak		
7318.000	35.86	8.32	44.18	54.00	-9.82	Н	AVG		
8299.000	40.88	9.49	50.37	74.00	-23.63	Н	Peak		

- 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).

Test Mode: TX / EEE 802.11n HT20 MHz (CH High)

Ambient temperature: 24°C

Relative humidity: 52% RH

Date: May 17, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
2233.000	63.95	-3.72	60.23	74.00	-13.77	V	Peak
2233.000	55.01	-3.72	51.29	54.00	-2.71	V	AVG
2899.000	52.22	-1.54	50.68	74.00	-23.32	V	Peak
4933.000	54.66	4.76	59.42	74.00	-14.58	V	Peak
4933.000	45.93	4.76	50.69	54.00	-3.31	V	AVG
5977.000	41.18	6.07	47.25	74.00	-26.75	V	Peak
7390.000	51.60	8.46	60.06	74.00	-13.94	V	Peak
7390.000	43.26	8.46	51.72	54.00	-2.28	V	AVG
9838.000	48.14	11.51	59.65	74.00	-14.35	V	Peak
9838.000	37.82	11.51	49.33	54.00	-4.67	V	AVG
	T	1		T		T	
2179.000	49.96	-4.02	45.94	74.00	-28.06	Н	Peak
4267.000	42.17	2.53	44.70	74.00	-29.30	Н	Peak
4933.000	55.10	4.76	59.86	74.00	-14.14	Н	Peak
4933.000	45.15	4.76	49.91	54.00	-4.09	Н	AVG
6319.000	41.41	6.60	48.01	74.00	-25.99	Н	Peak
7390.000	44.90	8.46	53.36	74.00	-20.64	Н	Peak
7390.000	36.87	8.46	45.33	54.00	-8.67	Н	AVG
8371.000	40.99	9.45	50.44	74.00	-23.56	Н	Peak

- 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).

Combine with Antenna 1 and Antenna 2

Test Mode: TX/ IEEE 802.11n HT40 MHz (CH Low) Tested by: Jack Chen

Report No.: C160415Z12-RP1-1

Ambient temperature: <u>24°C</u> Relative humidity: <u>52% RH</u> Date: <u>May 17, 2016</u>

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
2197.000	63.34	-3.92	59.42	74.00	-14.58	V	Peak
2197.000	52.25	-3.92	48.33	54.00	-5.67	V	AVG
4834.000	53.82	4.44	58.26	74.00	-15.74	V	Peak
4834.000	39.54	4.44	43.98	54.00	-10.02	V	AVG
5509.000	41.22	5.87	47.09	74.00	-26.91	V	Peak
7282.000	48.72	8.25	56.97	74.00	-17.03	V	Peak
7282.000	33.11	8.25	41.36	54.00	-12.64	V	AVG
8776.000	41.18	9.22	50.40	74.00	-23.60	V	Peak
9694.000	44.86	11.10	55.96	74.00	-18.04	V	Peak
9694.000	29.02	11.10	40.12	54.00	-13.88	V	AVG
3952.000	43.27	1.39	44.66	74.00	-29.34	Н	Peak
4843.000	51.24	4.47	55.71	74.00	-18.29	Н	Peak
4843.000	39.74	4.47	44.21	54.00	-9.79	Н	AVG
5734.000	41.80	5.97	47.77	74.00	-26.23	Н	Peak
6337.000	40.58	6.63	47.21	74.00	-26.79	Н	Peak
7255.000	42.55	8.20	50.75	74.00	-23.25	Н	Peak
8335.000	40.57	9.47	50.04	74.00	-23.96	Н	Peak

- 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).

Test Mode: TX / IEEE 802.11n HT40 MHz (CH Mid)

Report No.: C160415Z12-RP1-1

Tested by: Jack Chen

Ambient temperature: <u>24°C</u> Relative humidity: <u>52% RH</u> Date: May 17, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
2197.000	65.18	-3.92	61.26	74.00	-12.74	V	Peak
2197.000	54.05	-3.92	50.13	54.00	-3.87	V	AVG
2881.000	50.26	-1.57	48.69	74.00	-25.31	V	Peak
4141.000	42.45	2.09	44.54	74.00	-29.46	V	Peak
4879.000	51.78	4.59	56.37	74.00	-17.63	V	Peak
7318.000	48.49	8.32	56.81	74.00	-17.19	V	AVG
7318.000	37.57	8.32	45.89	54.00	-8.11	V	Peak
9730.000	44.07	11.20	55.27	74.00	-18.73	V	Peak
9730.000	31.50	11.20	42.70	54.00	-11.30	V	AVG
2197.000	50.59	-3.92	46.67	74.00	-27.33	Н	Peak
4141.000	41.86	2.09	43.95	74.00	-30.05	Н	Peak
4879.000	49.01	4.59	53.60	74.00	-20.40	Н	Peak
4879.000	35.80	4.59	40.39	54.00	-13.61	Н	AVG
6130.000	41.10	6.29	47.39	74.00	-26.61	Н	Peak
7309.000	42.59	8.30	50.89	74.00	-23.11	Н	Peak
8191.000	40.45	9.54	49.99	74.00	-24.01	Н	Peak

- 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).

Test Mode: TX/ IEEE 802.11n HT40 MHz (CH High)

Ambient temperature: 24°C

Relative humidity: 52% RH

Date: May 17, 2016

	•						
Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
2197.000	63.01	-3.92	59.09	74.00	-14.91	V	Peak
2197.000	54.02	-3.92	50.10	54.00	-3.90	V	AVG
4114.000	42.71	1.99	44.70	74.00	-29.30	V	Peak
4906.000	52.27	4.67	56.94	74.00	-17.06	V	Peak
4906.000	39.71	4.67	44.38	54.00	-9.62	V	AVG
6301.000	41.22	6.57	47.79	74.00	-26.21	V	Peak
7345.000	47.51	8.37	55.88	74.00	-18.12	V	Peak
7345.000	39.23	8.37	47.60	54.00	-6.40	V	AVG
8425.000	41.90	9.42	51.32	74.00	-22.68	V	Peak
	•						•
3817.000	43.44	0.82	44.26	74.00	-29.74	Н	Peak
4915.000	50.07	4.70	54.77	74.00	-19.23	Н	Peak
4915.000	40.49	4.70	45.19	54.00	-8.81	Н	AVG
5869.000	41.56	6.02	47.58	74.00	-26.42	Н	Peak
6526.000	41.27	6.93	48.20	74.00	-25.80	Н	Peak
7237.000	40.47	8.16	48.63	74.00	-25.37	Н	Peak
7750.000	41.18	9.16	50.34	74.00	-23.66	Н	Peak

- 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).

7.3. 6dB BANDWIDTH MEASUREMENT

7.3.1. LIMITS

According to §15.247(a)(2), systems using digital modulation techniques may operate in the 902 - 928 MHz, 2400 - 2483.5 MHz. The minimum 6 dB bandwidth shall be at least 500 kHz.

Report No.: C160415Z12-RP1-1

7.3.2. TEST INSTRUMENTS

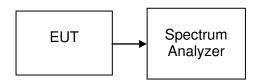
Name of Equipment	Manufacturer	Model	Serial Number	Last Calibration	Calibration Due
Spectrum Analyzer	Agilent	N9010A	MY55370330	02/21/2016	02/20/2017

7.3.3. TEST PROCEDURES (please refer to measurement standard)

8.1 Option 1:

- a) Set RBW = 100 kHz.
- b) Set the video bandwidth (VBW) ≥ 3 x RBW.
- c) Detector = Peak.
- d) Trace mode = max hold.
- e) Sweep = auto couple.
- f) Allow the trace to stabilize.
- g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

7.3.4. TEST SETUP



7.3.5. TEST RESULTS

No non-compliance noted

Test Data

Test mode: IEEE 802.11b (Antenna 1)

Channel	Frequency (MHz)	Bandwidth (kHz)	Limit (kHz)	Test Result
Low	2412	10090		PASS
Mid	2437	10090	>500	PASS
High	2462	10090		PASS

Test mode: IEEE 802.11b (Antenna 2)

Channel	Frequency (MHz)	Bandwidth (kHz)	Limit (kHz)	Test Result
Low	2412	14840		PASS
Mid	2437	14840	>500	PASS
High	2462	14850		PASS

Test mode: IEEE 802.11g (Antenna 1)

C	Channel	Frequency (MHz)	Bandwidth (kHz)	Limit (kHz)	Test Result
	Low	2412	16620		PASS
	Mid	2437	16620	>500	PASS
	High	2462	16610		PASS

Test mode: IEEE 802.11g (Antenna 2)

Channel	Frequency (MHz)	Bandwidth (kHz)	Limit (kHz)	Test Result
Low	2412	19850		PASS
Mid	2437	19870	>500	PASS
High	2462	19860		PASS

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Test mode: IEEE 802.11n HT20 MHz (Antenna 1)

Channel	Frequency (MHz)	Bandwidth (kHz)	Limit (kHz)	Test Result
Low	2412	17720		PASS
Mid	2437	17730	>500	PASS
High	2462	17720		PASS

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Test mode: IEEE 802.11n HT20 MHz (Antenna 2)

Channel	Frequency (MHz)	Bandwidth (kHz)	Limit (kHz)	Test Result
Low	2412	20060		PASS
Mid	2437	20090	>500	PASS
High	2462	20100		PASS

Test mode: IEEE 802.11n HT40 MHz (Antenna 1)

Channel	Frequency (MHz)	Bandwidth (kHz)	Limit (kHz)	Test Result
Low	2422	36450		PASS
Mid	2437	36440	>500	PASS
High	2452	36430		PASS

Test mode: IEEE 802.11n HT40 MHz (Antenna 2)

Channel	Frequency (MHz)	Bandwidth (kHz)	Limit (kHz)	Test Result
Low	2422	39870		PASS
Mid	2437	40000	>500	PASS
High	2452	39920		PASS

Test Plot

