

FCC Report (WIFI)

Applicant: Shenzhen Wetool Technology Co., Ltd.
Address of Applicant: Floor 2, Building 6, Wutongdao, Baoan District, Shenzhen, China
Manufacturer: Shenzhen Wetool Technology Co., Ltd.
Address of Manufacturer: Floor 2, Building 6, Wutongdao, Baoan District, Shenzhen, China
Equipment Under Test (EUT)

Product Name: WETOOL All-in-One Cash Register D2
Model No.: D2-J922QNA, D2-J922, D2-J922Q, D2-J922N, D2-J922I, D2-J922A, D2-J922QN, D2-J922QI, D2-J922QA, D2-J922NA, D2-J922IA, D2-J922QIA, D2-J923, D2-J923Q, D2-J923N, D2-J923I, D2-J923A, D2-J923QN, D2-J923QI, D2-J923QA, D2-J923NA, D2-J923IA, D2-J923QNA, D2-J923QIA, D2-J933, D2-J933Q, D2-J933N, D2-J933I, D2-J933A, D2-J933QN, D2-J933QI, D2-J933QA, D2-J933NA, D2-J933IA, D2-J933QNA, D2-J933QIA

FCC ID: 2ARIE-D2J922QNA
Applicable standards: FCC CFR Title 47 Part 15 Subpart C Section 15.247
Date of sample receipt: September 01, 2018
Date of Test: September 02-October 08, 2018
Date of report issued: October 09, 2018
Test Result : PASS *

* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:

Robinson Lo
Laboratory Manager

This results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

2 Version

Version No.	Date	Description
00	October 09, 2018	Original

Prepared By:

Bill. Yuan

Project Engineer

Date:

October 09, 2018

Check By:

Andy. Wu

Reviewer

Date:

October 09, 2018

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4 Test Summary

Test Item	Section in CFR 47	Result
Antenna requirement	15.203	Pass
AC Power Line Conducted Emission	15.207	Pass
Conducted Peak Output Power	15.247 (b)(3)	Pass
Channel Bandwidth	15.247 (a)(2)	Pass
Power Spectral Density	15.247 (e)	Pass
Band Edge	15.247(d)	Pass
Spurious Emission	15.205/15.209	Pass

Remarks:

1. Test according to ANSI C63.10:2013.
2. Pass: The EUT complies with the essential requirements in the standard.

Measurement Uncertainty

Test Item	Frequency Range	Measurement Uncertainty	Notes
Radiated Emission	9kHz ~ 30MHz	± 4.34dB	(1)
Radiated Emission	30MHz ~ 1000MHz	± 4.24dB	(1)
Radiated Emission	1GHz ~ 26.5GHz	± 4.68dB	(1)
AC Power Line Conducted Emission	0.15MHz ~ 30MHz	± 3.45dB	(1)

Note (1): The measurement uncertainty is for coverage factor of k=2 and a level of confidence of 95%.

5 General Information

5.1 General Description of EUT

Product Name:	WETOOL All-in-One Cash Register D2
Model No.:	D2-J922QNA, D2-J922, D2-J922Q, D2-J922N, D2-J922I, D2-J922A, D2-J922QN, D2-J922QI, D2-J922QA, D2-J922NA, D2-J922IA, D2-J922QIA, D2-J923, D2-J923Q, D2-J923N, D2-J923I, D2-J923A, D2-J923QN, D2-J923QI, D2-J923QA, D2-J923NA, D2-J923IA, D2-J923QNA, D2-J923QIA, D2-J933, D2-J933Q, D2-J933N, D2-J933I, D2-J933A, D2-J933QN, D2-J933QI, D2-J933QA, D2-J933NA, D2-J933IA, D2-J933QNA, D2-J933QIA
Test Model No:	D2-J922QNA
<i>Remark: All above models are identical in the same PCB layout, interior structure and electrical circuits. The difference is model name for commercial purpose.</i>	
Test sample(s) ID:	GTS201808000214-1
Serial No.:	1800906D20002
Sample(s) Status	Engineer sample
Operation Frequency:	2412MHz~2462MHz(802.11b/802.11g/802.11n(HT20)) 2422MHz~2452MHz(802.11n(HT40))
Channel numbers:	802.11b/802.11g /802.11n(HT20): 11 802.11n(HT40):7
Channel separation:	5MHz
Modulation technology:	802.11b: Direct Sequence Spread Spectrum (DSSS) 802.11g/802.11n(H20)/802.11n(HT40): Orthogonal Frequency Division Multiplexing (OFDM)
Antenna Type:	Integral Antenna
Antenna gain:	4.26dBi (Max)
Power supply:	ADAPTOR Model No.: WT1205000 Input: 100-240V, 50/60Hz Output: 12V, 5.0A

Operation Frequency each of channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2412MHz	4	2427MHz	7	2442MHz	10	2457MHz
2	2417MHz	5	2432MHz	8	2447MHz	11	2462MHz
3	2422MHz	6	2437MHz	9	2452MHz	X	

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

Test channel	Frequency (MHz)	
	802.11b/802.11g/802.11n(HT20)	802.11n(HT40)
Lowest channel	2412MHz	2422MHz
Middle channel	2437MHz	2437MHz
Highest channel	2462MHz	2452MHz

5.2 Test mode

Transmitting mode	Keep the EUT in continuously transmitting mode
<i>Remark: During the test, the duty cycle >98%, the test voltage was tuned from 85% to 115% of the nominal rated supply voltage, and found that the worst case was under the nominal rated supply condition. So the report just shows that condition's data.</i>	

We have verified the construction and function in typical operation. All the test modes were carried out with the EUT in transmitting operation, which was shown in this test report and defined as follows:				
Pre-scan all kind of data rate in lowest channel, and found the follow list which it was worst case.				
Mode	802.11b	802.11g	802.11n(HT20)	802.11n(HT40)
Data rate	1Mbps	6Mbps	6.5Mbps	13Mbps

5.3 Description of Support Units

Manufacturer	Description	Model	Serial Number
DELL	KEYBOARD	SK-8115	GTS237-2
DELL	MOUSE	MOC5UO	GTS237-3

5.4 Test Facility

<p>The test facility is recognized, certified, or accredited by the following organizations:</p> <ul style="list-style-type: none"> • FCC —Registration No.: 381383 Global United Technology Services Co., Ltd., Shenzhen EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in files. Registration 381383, January 08, 2018. • Industry Canada (IC) —Registration No.: 9079A-2 The 3m Semi-anechoic chamber of Global United Technology Services Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 9079A-2, August 15, 2016.
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5.5 Test Location

All tests were performed at:
<p>Global United Technology Services Co., Ltd. Address: No. 301-309, 3/F., Jinyuan Business Building, No.2, Laodong Industrial Zone, Xixiang Road, Baoan District, Shenzhen, Guangdong, China 518102 Tel: 0755-27798480 Fax: 0755-27798960</p>

6 Test Instruments list

Radiated Emission:						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	3m Semi- Anechoic Chamber	ZhongYu Electron	9.2(L)*6.2(W)* 6.4(H)	GTS250	July. 03 2015	July. 02 2020
2	Control Room	ZhongYu Electron	6.2(L)*2.5(W)* 2.4(H)	GTS251	N/A	N/A
3	EMI Test Receiver	Rohde & Schwarz	ESU26	GTS203	June. 27 2018	June. 26 2019
4	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	GTS214	June. 27 2018	June. 26 2019
5	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	BBHA 9120 D	GTS208	June. 27 2018	June. 26 2019
6	Horn Antenna	ETS-LINDGREN	3160	GTS217	June. 27 2018	June. 26 2019
7	EMI Test Software	AUDIX	E3	N/A	N/A	N/A
8	Coaxial Cable	GTS	N/A	GTS213	June. 27 2018	June. 26 2019
9	Coaxial Cable	GTS	N/A	GTS211	June. 27 2018	June. 26 2019
10	Coaxial cable	GTS	N/A	GTS210	June. 27 2018	June. 26 2019
11	Coaxial Cable	GTS	N/A	GTS212	June. 27 2018	June. 26 2019
12	Amplifier(100kHz-3GHz)	HP	8347A	GTS204	June. 27 2018	June. 26 2019
13	Amplifier(2GHz-20GHz)	HP	84722A	GTS206	June. 27 2018	June. 26 2019
14	Amplifier (18-26GHz)	Rohde & Schwarz	AFS33-18002 650-30-8P-44	GTS218	June. 27 2018	June. 26 2019
15	Band filter	Amindeon	82346	GTS219	June. 27 2018	June. 26 2019
16	Power Meter	Anritsu	ML2495A	GTS540	June. 27 2018	June. 26 2019
17	Power Sensor	Anritsu	MA2411B	GTS541	June. 27 2018	June. 26 2019
18	Wideband Radio Communication Tester	Rohde & Schwarz	CMW500	GTS575	June. 27 2018	June. 26 2019
19	Splitter	Agilent	11636B	GTS237	June. 27 2018	June. 26 2019
20	Loop Antenna	ZHINAN	ZN30900A	GTS534	June. 27 2018	June. 26 2019

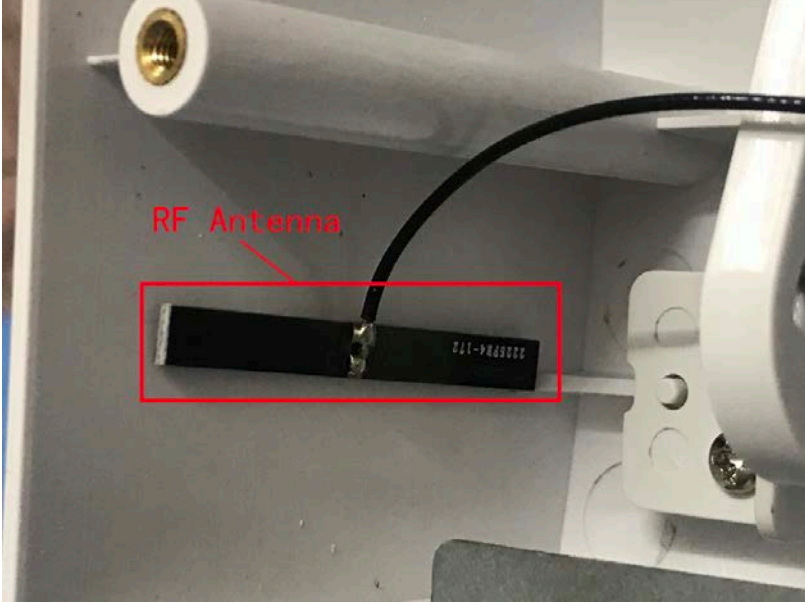
Conducted Emission						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	Shielding Room	ZhongYu Electron	7.3(L)x3.1(W)x2.9(H)	GTS252	May.16 2014	May.15 2019
2	EMI Test Receiver	R&S	ESCI 7	GTS552	June. 27 2018	June. 26 2019
3	Coaxial Switch	ANRITSU CORP	MP59B	GTS225	June. 27 2018	June. 26 2019
4	Artificial Mains Network	SCHWARZBECK MESS	NSLK8127	GTS226	June. 27 2018	June. 26 2019
5	Coaxial Cable	GTS	N/A	GTS227	June. 27 2018	June. 26 2019
6	EMI Test Software	AUDIX	E3	N/A	N/A	N/A
7	Thermo meter	KTJ	TA328	GTS233	June. 27 2018	June. 26 2019
8	Absorbing clamp	Elektronik-Feinmechanik	MDS21	GTS229	June. 27 2018	June. 26 2019

RF Conducted Test:						
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	MXA Signal Analyzer	Agilent	N9020A	GTS566	June. 27 2018	June. 26 2019
2	EMI Test Receiver	R&S	ESCI 7	GTS552	June. 27 2018	June. 26 2019
3	Spectrum Analyzer	Agilent	E4440A	GTS533	June. 27 2018	June. 26 2019
4	MXG vector Signal Generator	Agilent	N5182A	GTS567	June. 27 2018	June. 26 2019
5	ESG Analog Signal Generator	Agilent	E4428C	GTS568	June. 27 2018	June. 26 2019
6	USB RF Power Sensor	DARE	RPR3006W	GTS569	June. 27 2018	June. 26 2019
7	RF Switch Box	Shongyi	RFSW3003328	GTS571	June. 27 2018	June. 26 2019
8	EMI Test Receiver	R&S	ESCI 7	GTS552	June. 27 2018	June. 26 2019
9	Programmable Constant Temp & Humi Test Chamber	WEWON	WHTH-150L-40-880	GTS572	June. 27 2018	June. 26 2019

General used equipment:						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	Humidity/ Temperature Indicator	KTJ	TA328	GTS243	June. 27 2018	June. 26 2019
2	Barometer	ChangChun	DYM3	GTS255	June. 27 2018	June. 26 2019

7 Test results and Measurement Data

7.1 Antenna requirement

Standard requirement:	FCC Part15 C Section 15.203 /247(c)
<p>15.203 requirement:</p> <p>An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.</p> <p>15.247(c) (1)(i) requirement:</p> <p>(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.</p>	
EUT Antenna:	
<p><i>The WIFI antenna is Internal antenna, the best case gain of the antenna is 4.26dBi.</i></p> 	

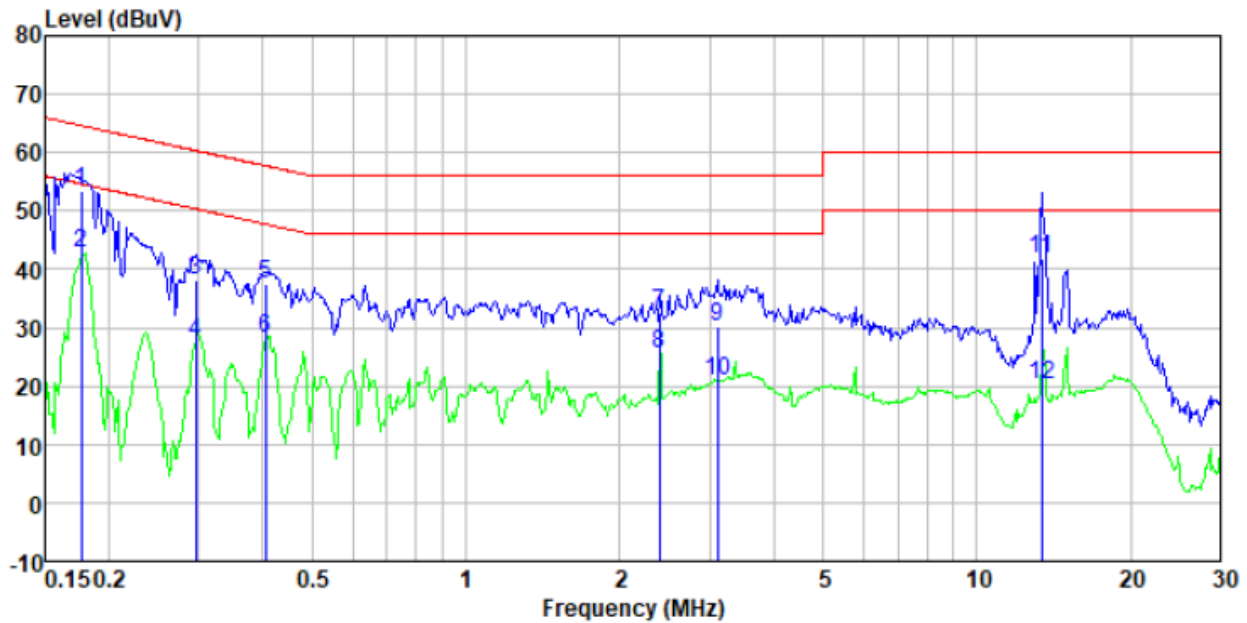
7.2 Conducted Emissions

Test Requirement:	FCC Part15 C Section 15.207														
Test Method:	ANSI C63.10:2013														
Test Frequency Range:	150KHz to 30MHz														
Receiver setup:	RBW=9KHz, VBW=30KHz, Sweep time=auto														
Limit:	<table border="1"> <thead> <tr> <th rowspan="2">Frequency range (MHz)</th> <th colspan="2">Limit (dBuV)</th> </tr> <tr> <th>Quasi-peak</th> <th>Average</th> </tr> </thead> <tbody> <tr> <td>0.15-0.5</td> <td>66 to 56*</td> <td>56 to 46*</td> </tr> <tr> <td>0.5-5</td> <td>56</td> <td>46</td> </tr> <tr> <td>5-30</td> <td>60</td> <td>50</td> </tr> </tbody> </table> <p>* Decreases with the logarithm of the frequency.</p>	Frequency range (MHz)	Limit (dBuV)		Quasi-peak	Average	0.15-0.5	66 to 56*	56 to 46*	0.5-5	56	46	5-30	60	50
Frequency range (MHz)	Limit (dBuV)														
	Quasi-peak	Average													
0.15-0.5	66 to 56*	56 to 46*													
0.5-5	56	46													
5-30	60	50													
Test setup:	<p>Remark: E.U.T: Equipment Under Test LISN: Line Impedance Stabilization Network Test table height=0.8m</p>														
Test procedure:	<ol style="list-style-type: none"> 1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment. 2. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs). 3. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10:2013 on conducted measurement. 														
Test Instruments:	Refer to section 6.0 for details														
Test mode:	Refer to section 5.2 for details														
Test voltage:	AC 120V, 60Hz														
Test results:	Pass														

Remark: Both high and low voltages have been tested to show only the worst low voltage test data.

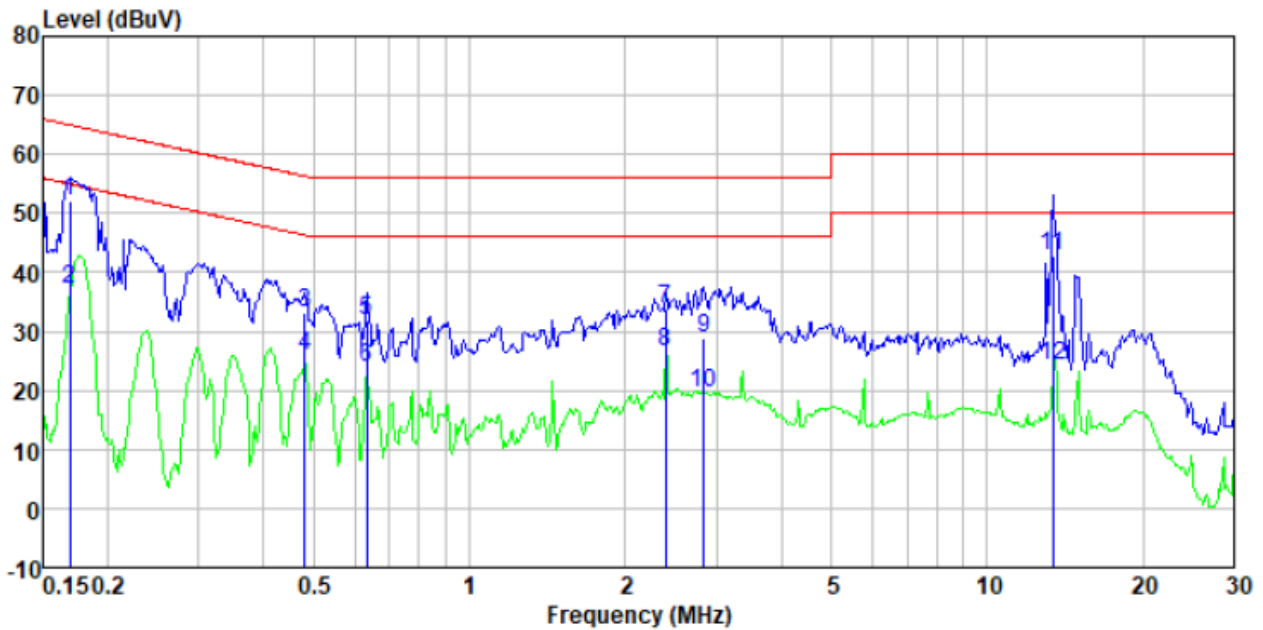
Measurement data

Mode:	Transmitting mode	Test by:	Bill
Temp./Hum.(%H):	26°C/56%RH	Probe:	Line



Freq MHz	Reading level dBuV	LISN/ISN factor dB/m	Cable loss dB	Level dBuV	Limit level dBuV	Over limit dB	Remark
0.18	52.81	0.40	0.09	53.30	64.64	-11.34	QP
0.18	42.35	0.40	0.09	42.84	54.64	-11.80	Average
0.30	37.66	0.40	0.10	38.16	60.37	-22.21	QP
0.30	27.03	0.40	0.10	27.53	50.37	-22.84	Average
0.41	36.88	0.35	0.11	37.34	57.73	-20.39	QP
0.41	27.60	0.35	0.11	28.06	47.73	-19.67	Average
2.40	32.15	0.20	0.18	32.53	56.00	-23.47	QP
2.40	25.30	0.20	0.18	25.68	46.00	-20.32	Average
3.11	29.65	0.20	0.19	30.04	56.00	-25.96	QP
3.11	20.49	0.20	0.19	20.88	46.00	-25.12	Average
13.41	41.35	0.20	0.21	41.76	60.00	-18.24	QP
13.41	19.85	0.20	0.21	20.26	50.00	-29.74	Average

Mode:	Transmitting mode	Test by:	Bill
Temp./Hum.(%H):	26°C/56%RH	Probe:	Neutral

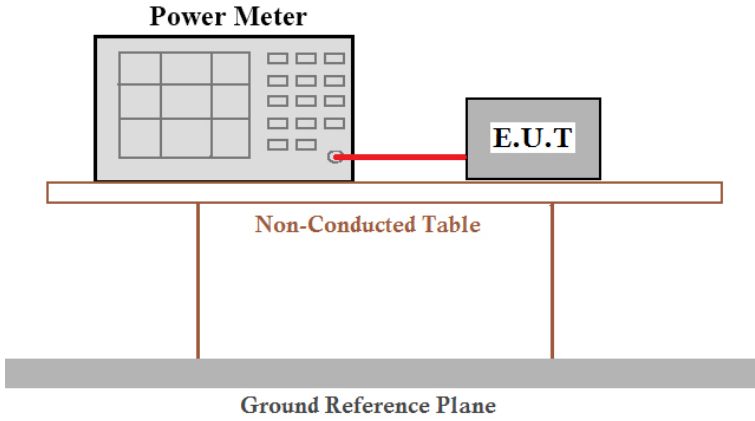


Freq MHz	Reading level dBuV	LISN/ISN factor dB/m	Cable loss dB	Level dBuV	Limit level dBuV	Over limit dB	Remark
0.17	51.76	0.40	0.09	52.25	64.99	-12.74	QP
0.17	36.63	0.40	0.09	37.12	54.99	-17.87	Average
0.48	32.72	0.32	0.11	33.15	56.32	-23.17	QP
0.48	25.36	0.32	0.11	25.79	46.32	-20.53	Average
0.63	31.46	0.28	0.12	31.86	56.00	-24.14	QP
0.63	23.37	0.28	0.12	23.77	46.00	-22.23	Average
2.40	33.59	0.20	0.18	33.97	56.00	-22.03	QP
2.40	25.99	0.20	0.18	26.37	46.00	-19.63	Average
2.84	28.63	0.20	0.19	29.02	56.00	-26.98	QP
2.84	19.28	0.20	0.19	19.67	46.00	-26.33	Average
13.41	42.52	0.20	0.21	42.93	60.00	-17.07	QP
13.41	23.68	0.20	0.21	24.09	50.00	-25.91	Average

Notes:

1. An initial pre-scan was performed on the line and neutral lines with peak detector.
2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
3. Final Level = Receiver Read level + LISN Factor + Cable Loss
4. If the average limit is met when using a quasi-peak detector receiver, the EUT shall be deemed to meet both limits and measurement with the average detector receiver is unnecessary.

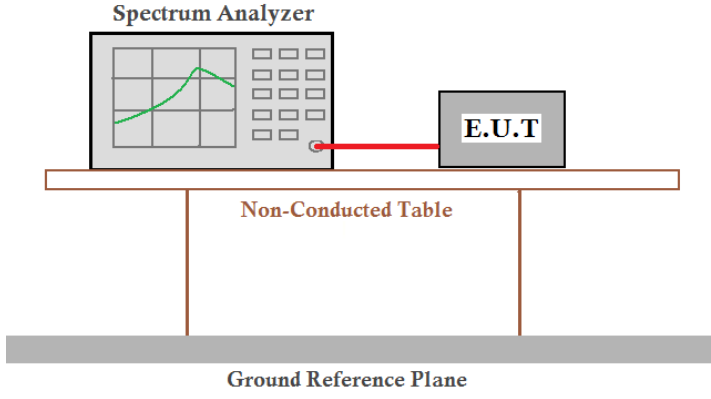
7.3 Conducted Peak Output Power

Test Requirement:	FCC Part15 C Section 15.247 (b)(3)
Test Method:	KDB558074 D01 DTS Meas Guidance V05
Limit:	30dBm
Test setup:	 <p>The diagram illustrates the test setup. A Power Meter is connected to an E.U.T. (Equipment Under Test) via a red cable. Both are placed on a Non-Conducted Table, which is supported by a Ground Reference Plane.</p>
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.2 for details
Test results:	Pass

Measurement Data

Test CH	Peak Output Power (dBm)				Limit(dBm)	Result
	802.11b	802.11g	802.11n(HT20)	802.11n(HT40)		
Lowest	16.00	13.40	12.96	11.07	30.00	Pass
Middle	16.39	13.30	13.25	11.29		
Highest	16.39	13.01	13.45	11.31		

7.4 Channel Bandwidth

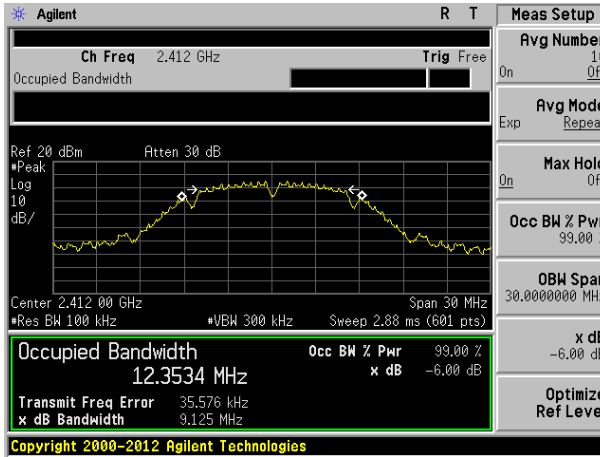
Test Requirement:	FCC Part15 C Section 15.247 (a)(2)
Test Method:	KDB558074 D01 DTS Meas Guidance V05
Limit:	>500KHz
Test setup:	 <p>The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T. (Equipment Under Test) via a red cable. Both are placed on a Non-Conducted Table, which is supported by a Ground Reference Plane.</p>
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.2 for details
Test results:	Pass

Measurement Data

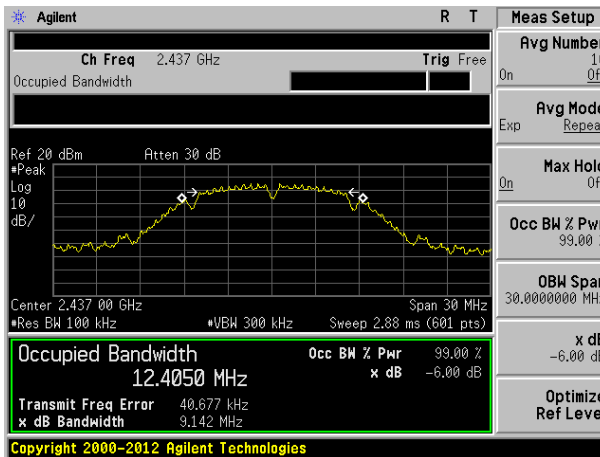
Test CH	6dB Channel Bandwidth (MHz)				Limit(KHz)	Result
	802.11b	802.11g	802.11n(HT20)	802.11n(HT40)		
Lowest	10.096	16.430	17.651	36.011	>500	Pass
Middle	10.111	16.404	17.651	35.825		
Highest	10.088	16.405	17.653	35.946		

Test plot as follows:

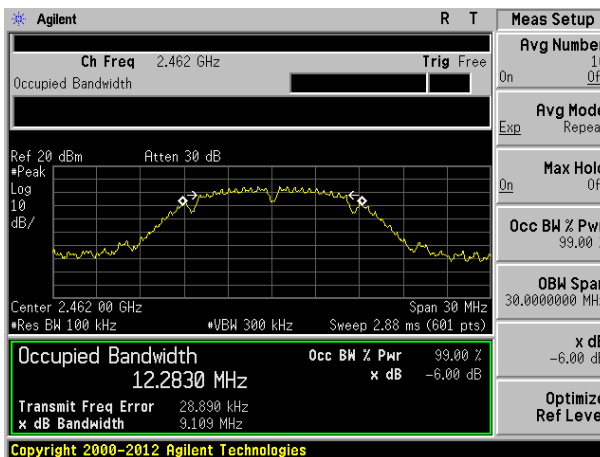
Test mode:	802.11b
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Lowest channel

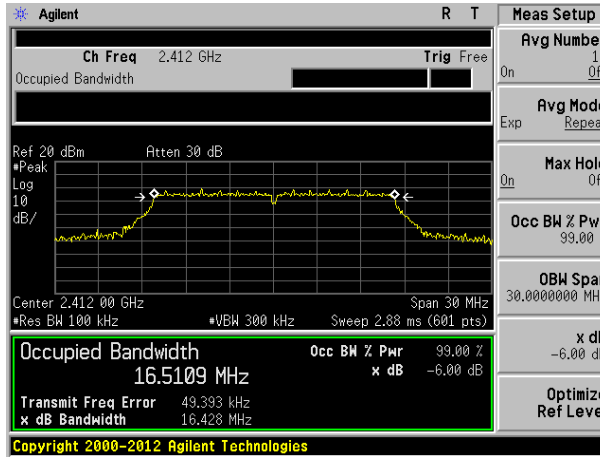


Middle channel

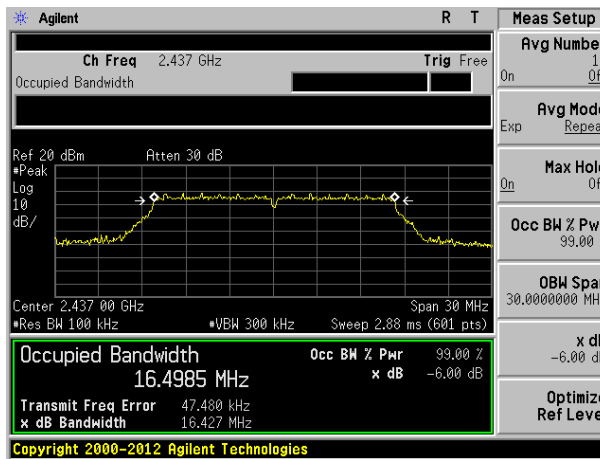


Highest channel

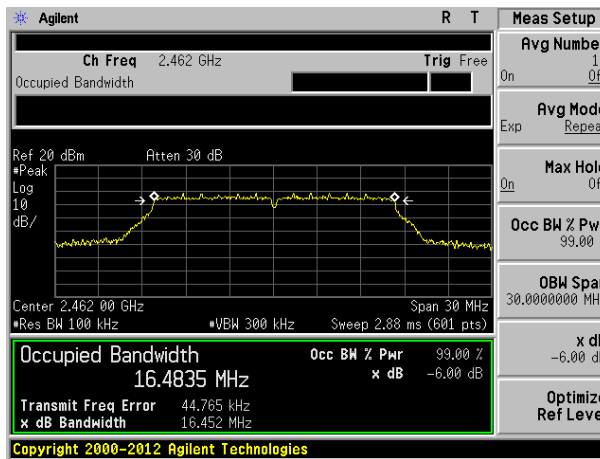
Test mode: 802.11g



Lowest channel

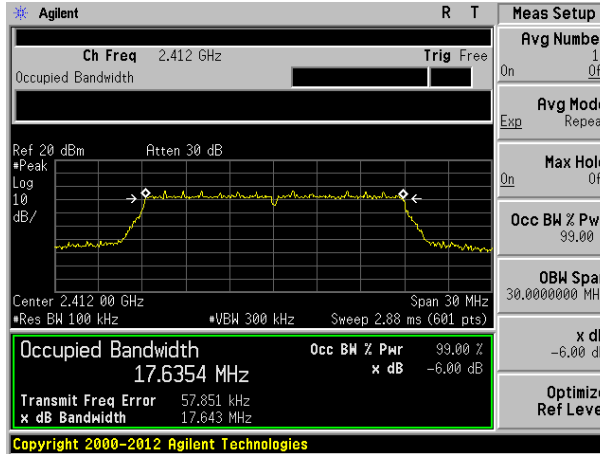


Middle channel

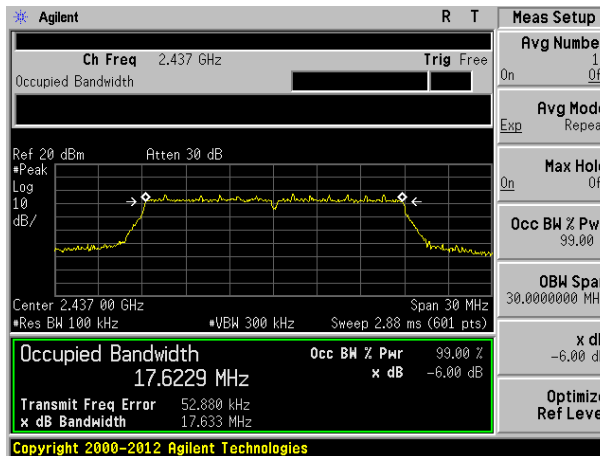


Highest channel

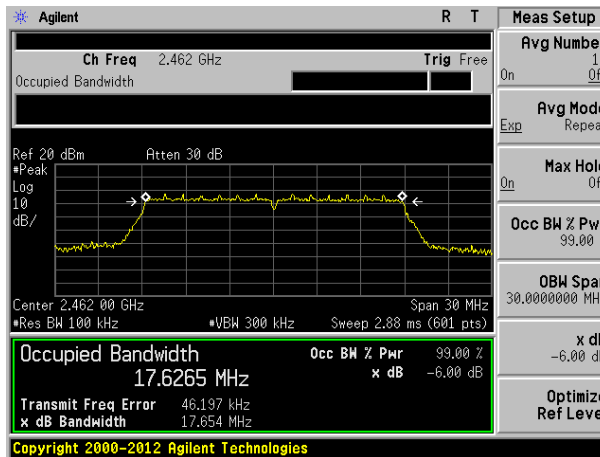
Test mode: 802.11n(HT20)



Lowest channel

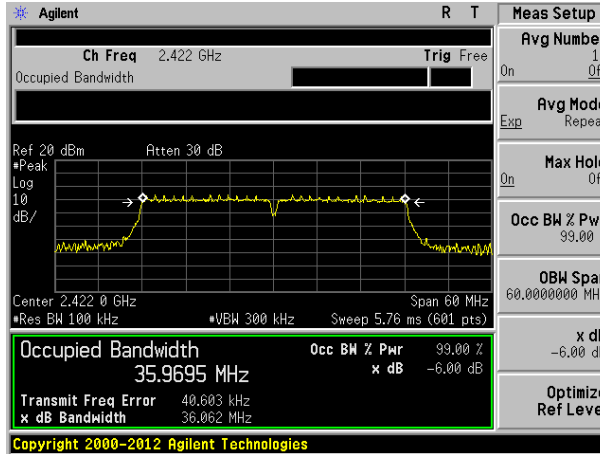


Middle channel

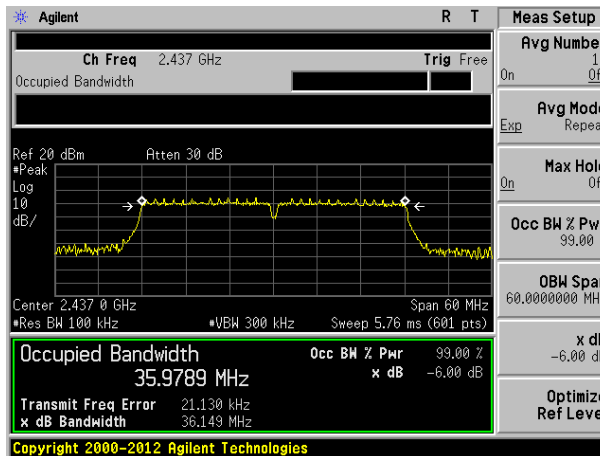


Highest channel

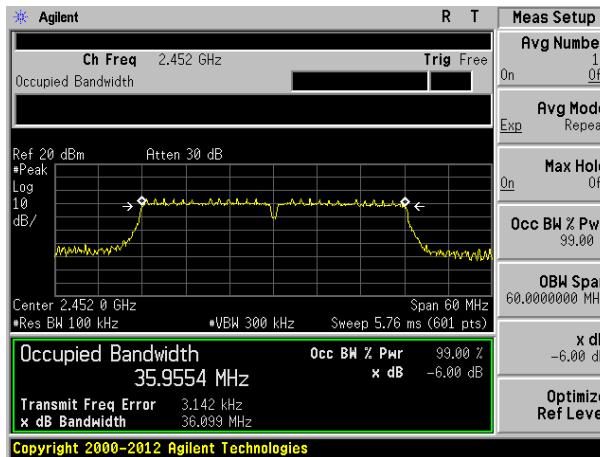
Test mode:	802.11n(HT40)
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Lowest channel

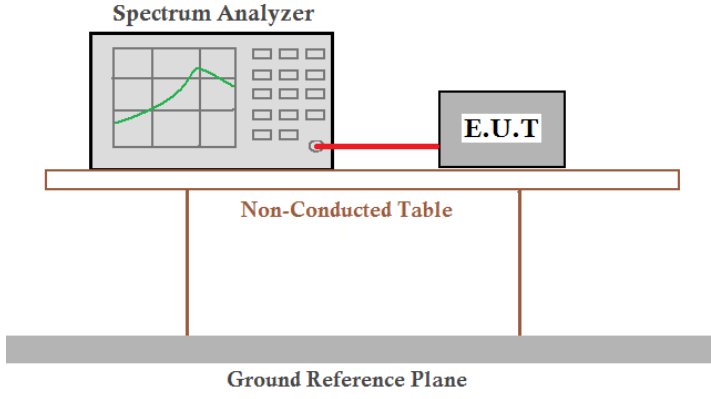


Middle channel



Highest channel

7.5 Power Spectral Density

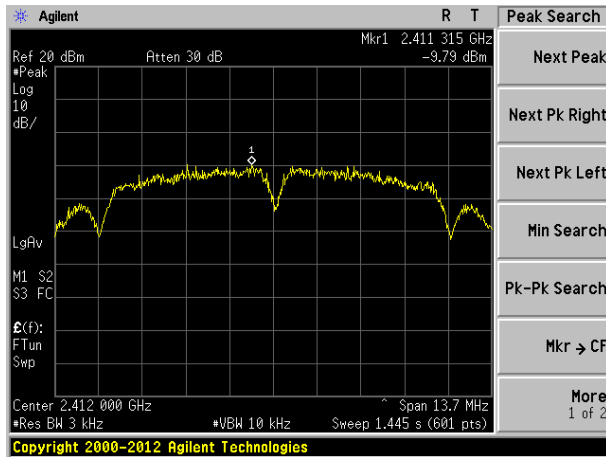
Test Requirement:	FCC Part15 C Section 15.247 (e)
Test Method:	KDB558074 D01 DTS Meas Guidance V05
Limit:	8dBm/3kHz
Test setup:	 <p>The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T. (Equipment Under Test) via a red cable. Both are placed on a Non-Conducted Table, which is supported by a Ground Reference Plane.</p>
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.2 for details
Test results:	Pass

Measurement Data

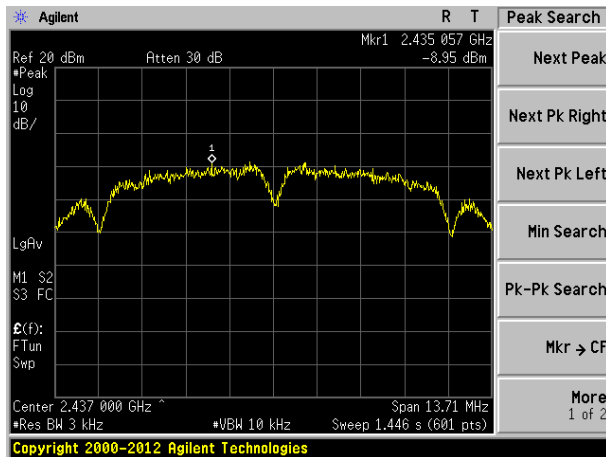
Test CH	Power Spectral Density (dBm)				Limit (dBm/3kHz)	Result
	802.11b	802.11g	802.11n(HT20)	802.11n(HT40)		
Lowest	-9.79	-14.23	-17.09	-19.95	8.00	Pass
Middle	-8.95	-14.94	-17.82	-19.75		
Highest	-9.45	-14.58	-17.72	-20.28		

Test plot as follows:

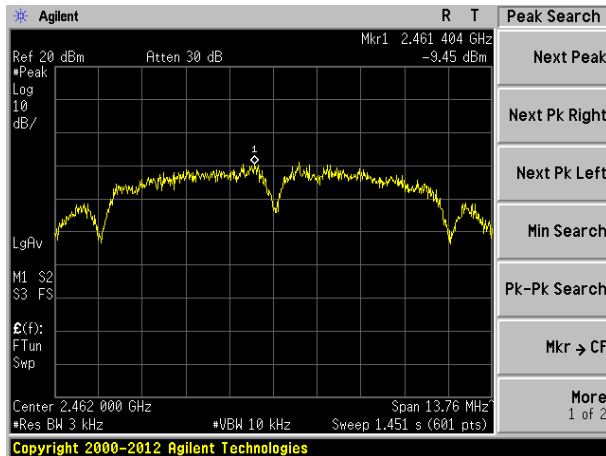
Test mode:	802.11b
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Lowest channel

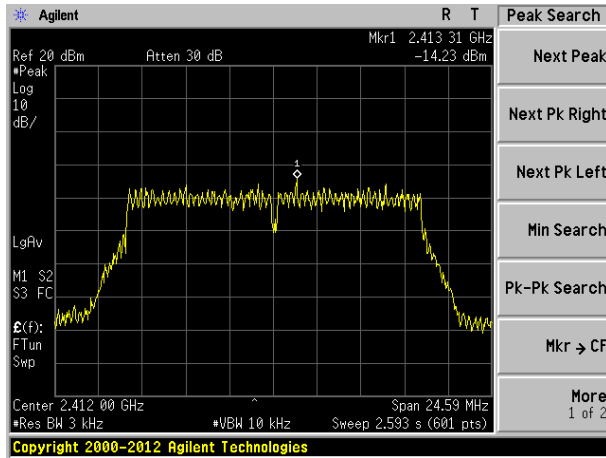


Middle channel

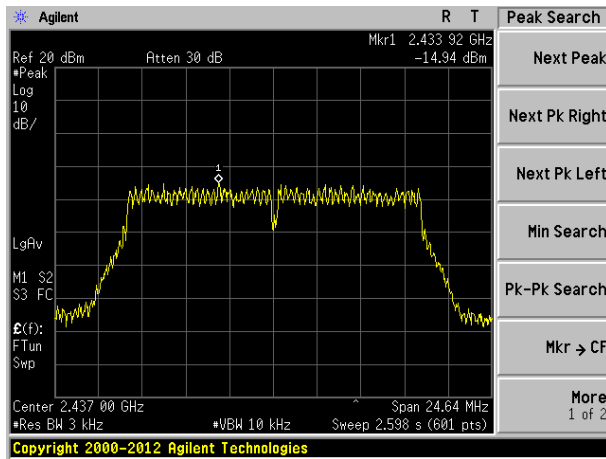


Highest channel

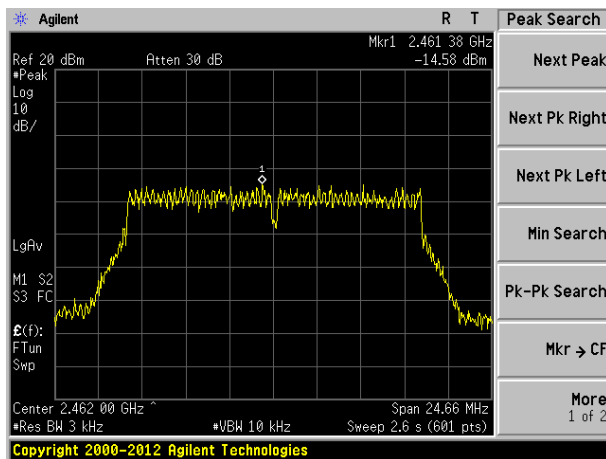
Test mode: 802.11g



Lowest channel

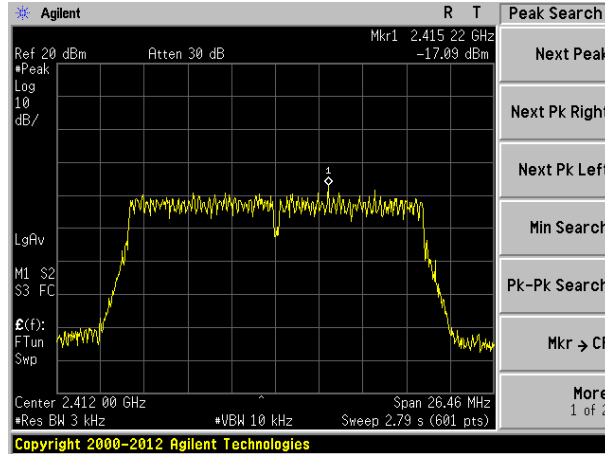


Middle channel

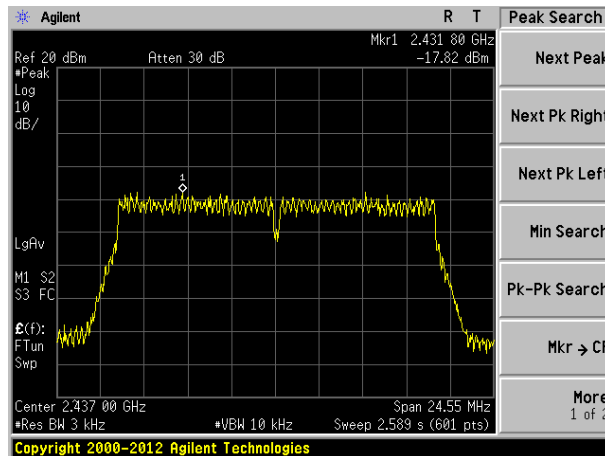


Highest channel

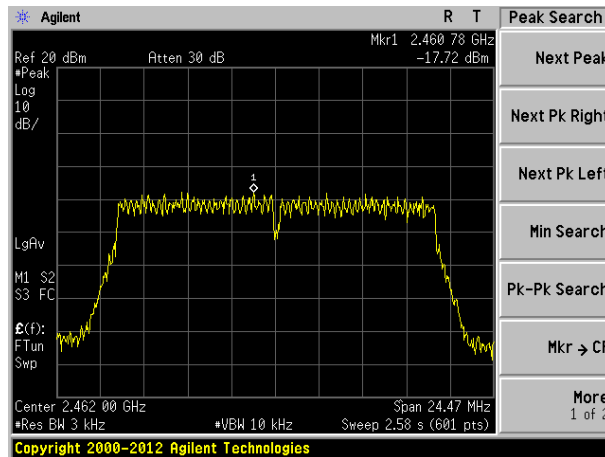
Test mode: 802.11n(HT20)



Lowest channel

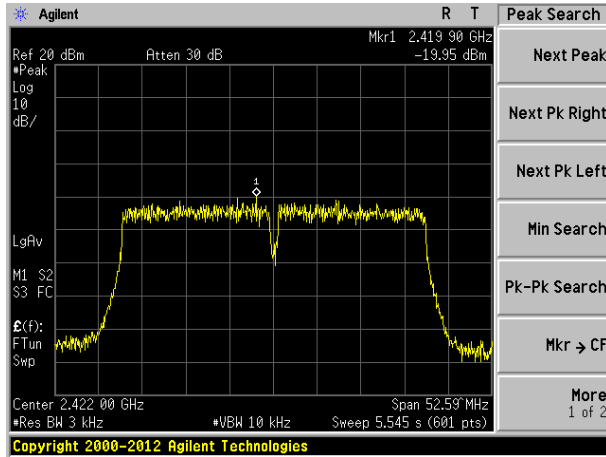


Middle channel

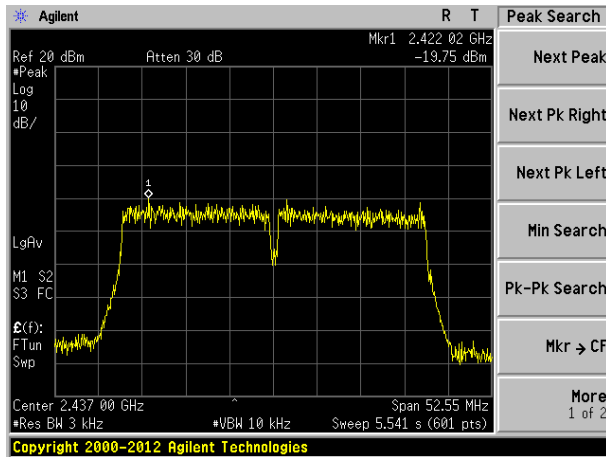


Highest channel

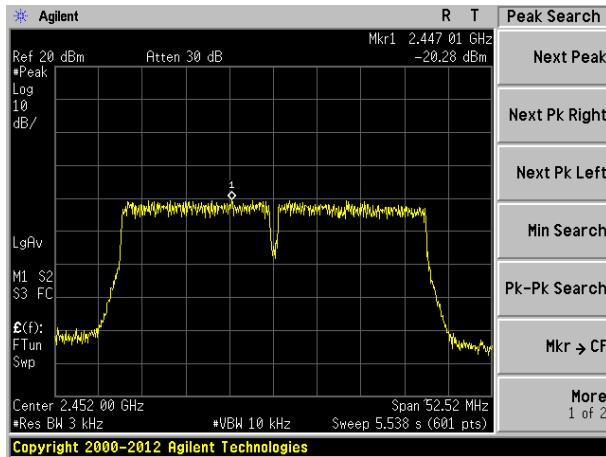
Test mode: 802.11n(HT40)



Lowest channel



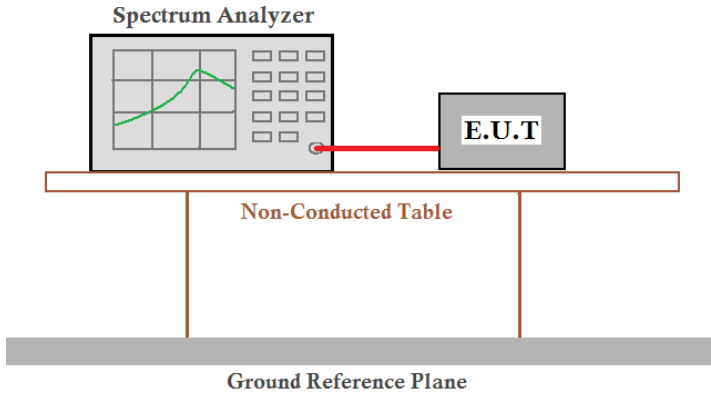
Middle channel



Highest channel

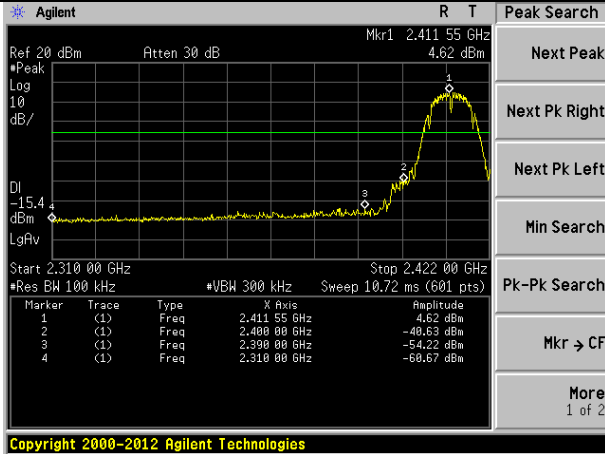
7.6 Band edges

7.6.1 Conducted Emission Method

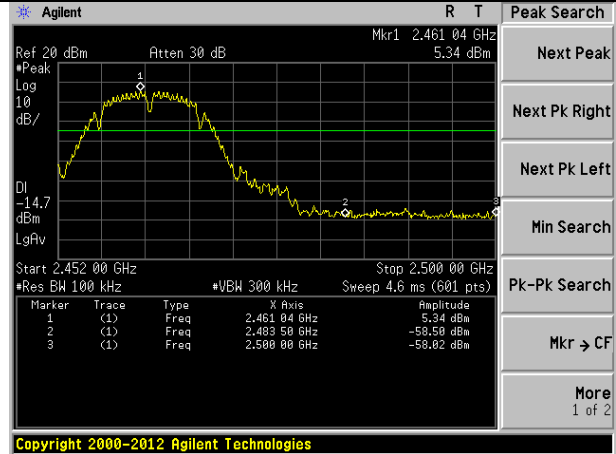
Test Requirement:	FCC Part15 C Section 15.247 (d)
Test Method:	KDB558074 D01 DTS Meas Guidance V05
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be 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.
Test setup:	 <p>The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T. (Equipment Under Test) via a red cable. Both the Spectrum Analyzer and the E.U.T. are placed on a Non-Conducted Table. The table is supported by a Ground Reference Plane.</p>
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.2 for details
Test results:	Pass

Test plot as follows:

Test mode: 802.11b

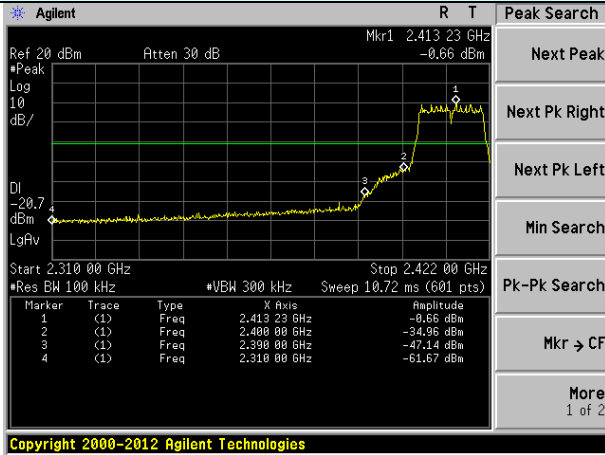


Lowest channel

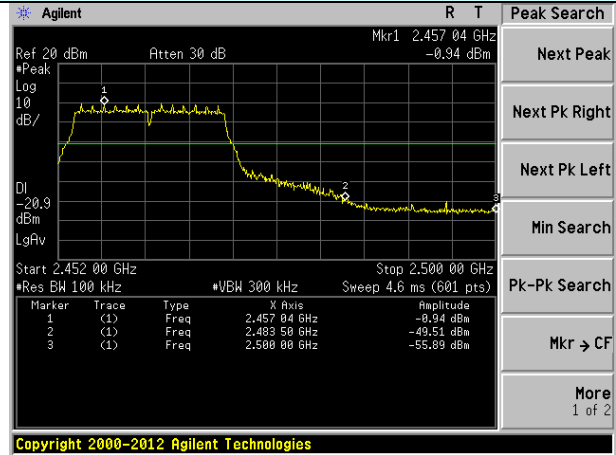


Highest channel

Test mode: 802.11g

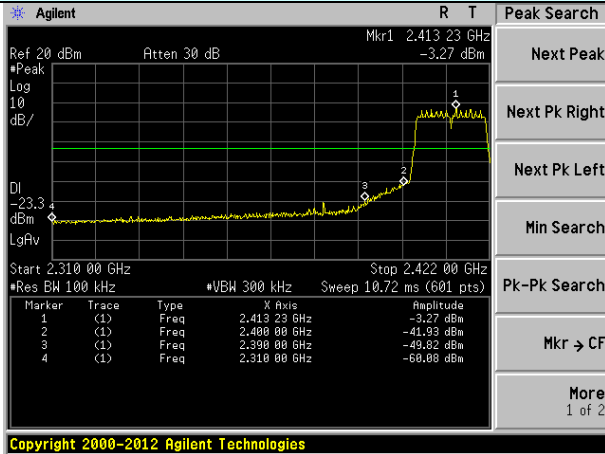


Lowest channel

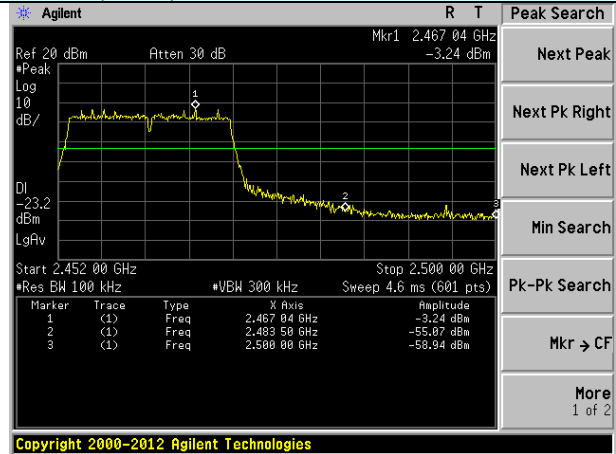


Highest channel

Test mode: 802.11n(HT20)

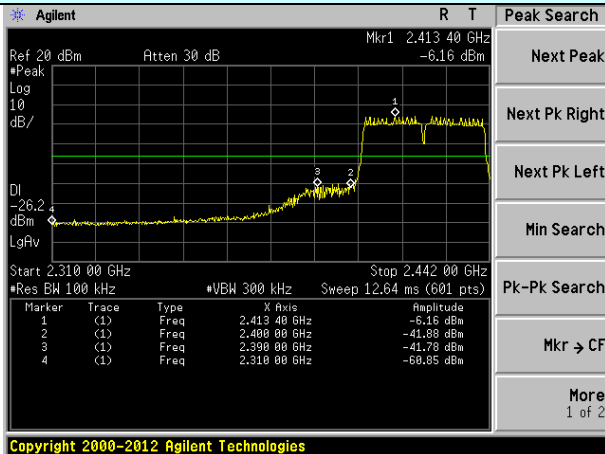


Lowest channel

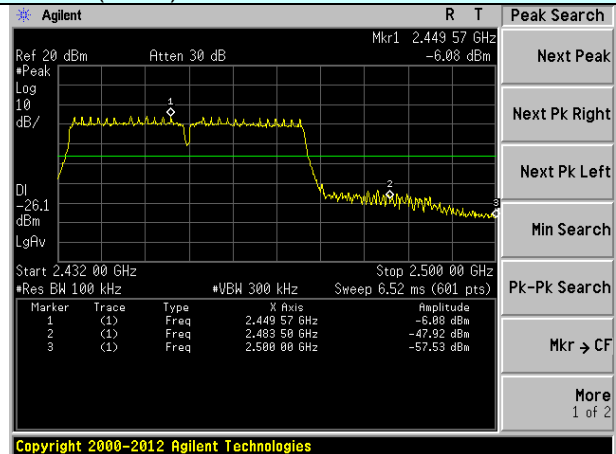


Highest channel

Test mode: 802.11n(HT40)



Lowest channel



Highest channel

7.6.2 Radiated Emission Method

Test Requirement:	FCC Part15 C Section 15.209 and 15.205				
Test Method:	ANSI C63.10:2013				
Test Frequency Range:	All of the restrict bands were tested, only the worst band's (2310MHz to 2500MHz) data was showed.				
Test site:	Measurement Distance: 3m				
Receiver setup:	Frequency	Detector	RBW	VBW	Value
	Above 1GHz	Peak	1MHz	3MHz	Peak
		RMS	1MHz	3MHz	Average
Limit:	Frequency		Limit (dBuV/m @3m)		Value
	Above 1GHz		54.00		Average
			74.00		Peak
Test setup:					
Test Procedure:	<ol style="list-style-type: none"> 1. The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation. 2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. 3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. 4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading. 5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. 6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet. 7. The radiation measurements are performed in X, Y, Z axis positioning. And found the Y axis positioning which it is worse case, only the test worst case mode is recorded in the report. 				
Test Instruments:	Refer to section 6.0 for details				
Test mode:	Refer to section 5.2 for details				

Test results:	Pass
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Measurement data:

Test mode:	802.11b	Test channel:	Lowest
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Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2310.00	39.49	27.61	5.36	34.01	38.45	74.00	-35.55	Horizontal
2390.00	52.50	27.59	5.38	34.01	51.46	74.00	-22.54	Horizontal
2310.00	39.76	27.61	5.36	34.01	38.72	74.00	-35.28	Vertical
2390.00	54.72	27.59	5.38	34.01	53.68	74.00	-20.32	Vertical

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2310.00	32.47	27.61	5.36	34.01	31.43	54.00	-22.57	Horizontal
2390.00	38.66	27.59	5.38	34.01	37.62	54.00	-16.38	Horizontal
2310.00	33.09	27.61	5.36	34.01	32.05	54.00	-21.95	Vertical
2390.00	40.46	27.59	5.38	34.01	39.42	54.00	-14.58	Vertical

Test mode:	802.11b	Test channel:	Highest
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Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	52.21	27.53	5.47	33.92	51.29	74.00	-22.71	Horizontal
2500.00	48.06	27.55	5.49	29.93	51.17	74.00	-22.83	Horizontal
2483.50	54.45	27.53	5.47	33.92	53.53	74.00	-20.47	Vertical
2500.00	50.55	27.55	5.49	29.93	53.66	74.00	-20.34	Vertical

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	38.72	27.53	5.47	33.92	37.80	54.00	-16.20	Horizontal
2500.00	34.83	27.55	5.49	29.93	37.94	54.00	-16.06	Horizontal
2483.50	40.66	27.53	5.47	33.92	39.74	54.00	-14.26	Vertical
2500.00	36.71	27.55	5.49	29.93	39.82	54.00	-14.18	Vertical

Test mode:	802.11g	Test channel:	Lowest
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Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2310.00	38.64	27.61	5.36	34.01	37.60	74.00	-36.40	Horizontal
2390.00	51.37	27.59	5.38	34.01	50.33	74.00	-23.67	Horizontal
2310.00	38.85	27.61	5.36	34.01	37.81	74.00	-36.19	Vertical
2390.00	53.36	27.59	5.38	34.01	52.32	74.00	-21.68	Vertical

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2310.00	31.87	27.61	5.36	34.01	30.83	54.00	-23.17	Horizontal
2390.00	37.96	27.59	5.38	34.01	36.92	54.00	-17.08	Horizontal
2310.00	32.42	27.61	5.36	34.01	31.38	54.00	-22.62	Vertical
2390.00	39.70	27.59	5.38	34.01	38.66	54.00	-15.34	Vertical

Test mode:	802.11g	Test channel:	Highest
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Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	50.99	27.53	5.47	33.92	50.07	74.00	-23.93	Horizontal
2500.00	47.11	27.55	5.49	29.93	50.22	74.00	-23.78	Horizontal
2483.50	53.06	27.53	5.47	33.92	52.14	74.00	-21.86	Vertical
2500.00	49.45	27.55	5.49	29.93	52.56	74.00	-21.44	Vertical

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	37.98	27.53	5.47	33.92	37.06	54.00	-16.94	Horizontal
2500.00	34.26	27.55	5.49	29.93	37.37	54.00	-16.63	Horizontal
2483.50	39.85	27.53	5.47	33.92	38.93	54.00	-15.07	Vertical
2500.00	36.10	27.55	5.49	29.93	39.21	54.00	-14.79	Vertical

Test mode:	802.11n(HT20)	Test channel:	Lowest
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Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2310.00	38.71	27.61	5.36	34.01	37.67	74.00	-36.33	Horizontal
2390.00	51.45	27.59	5.38	34.01	50.41	74.00	-23.59	Horizontal
2310.00	38.92	27.61	5.36	34.01	37.88	74.00	-36.12	Vertical
2390.00	53.47	27.59	5.38	34.01	52.43	74.00	-21.57	Vertical

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2310.00	31.91	27.61	5.36	34.01	30.87	54.00	-23.13	Horizontal
2400.00	38.02	27.59	5.38	34.01	36.98	54.00	-17.02	Horizontal
2310.00	32.47	27.61	5.36	34.01	31.43	54.00	-22.57	Vertical
2400.00	39.76	27.59	5.38	34.01	38.72	54.00	-15.28	Vertical

Test mode:	802.11n(HT20)	Test channel:	Highest
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Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	51.09	27.53	5.47	33.92	50.17	74.00	-23.83	Horizontal
2500.00	47.19	27.55	5.49	29.93	50.30	74.00	-23.70	Horizontal
2483.50	53.17	27.53	5.47	33.92	52.25	74.00	-21.75	Vertical
2500.00	49.54	27.55	5.49	29.93	52.65	74.00	-21.35	Vertical

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	38.04	27.53	5.47	33.92	37.12	54.00	-16.88	Horizontal
2500.00	34.30	27.55	5.49	29.93	37.41	54.00	-16.59	Horizontal
2483.50	39.91	27.53	5.47	33.92	38.99	54.00	-15.01	Vertical
2500.00	36.15	27.55	5.49	29.93	39.26	54.00	-14.74	Vertical

Test mode:	802.11n(HT40)	Test channel:	Lowest
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Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2310.00	37.92	27.61	5.36	34.01	36.88	74.00	-37.12	Horizontal
2390.00	50.40	27.59	5.38	34.01	49.36	74.00	-24.64	Horizontal
2310.00	38.08	27.61	5.36	34.01	37.04	74.00	-36.96	Vertical
2390.00	52.20	27.59	5.38	34.01	51.16	74.00	-22.84	Vertical

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2310.00	31.35	27.61	5.36	34.01	30.31	54.00	-23.69	Horizontal
2390.00	37.37	27.59	5.38	34.01	36.33	54.00	-17.67	Horizontal
2310.00	31.84	27.61	5.36	34.01	30.80	54.00	-23.20	Vertical
2390.00	39.05	27.59	5.38	34.01	38.01	54.00	-15.99	Vertical

Test mode:	802.11n(HT40)	Test channel:	Highest
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Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	49.96	27.53	5.47	33.92	49.04	74.00	-24.96	Horizontal
2500.00	46.31	27.55	5.49	29.93	49.42	74.00	-24.58	Horizontal
2483.50	51.88	27.53	5.47	33.92	50.96	74.00	-23.04	Vertical
2500.00	48.51	27.55	5.49	29.93	51.62	74.00	-22.38	Vertical

Average value:

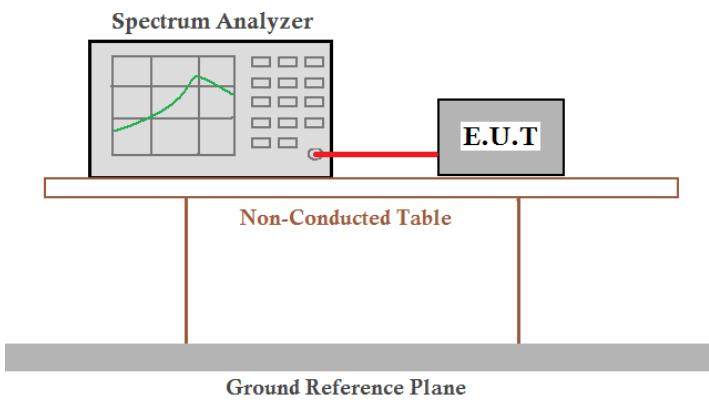
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	37.36	27.53	5.47	33.92	36.44	54.00	-17.56	Horizontal
2500.00	33.77	27.55	5.49	29.93	36.88	54.00	-17.12	Horizontal
2483.50	39.16	27.53	5.47	33.92	38.24	54.00	-15.76	Vertical
2500.00	35.59	27.55	5.49	29.93	38.70	54.00	-15.30	Vertical

Remarks:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Pre-amplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.
3. The pre-test were performed on lowest, middle and highest frequencies, only the worst case's (lowest and highest frequencies) data was showed.

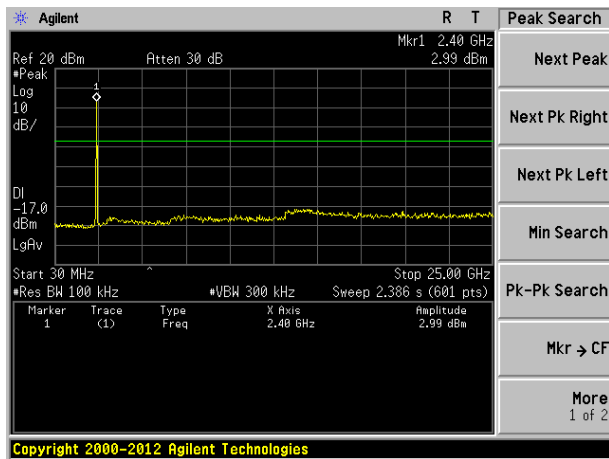
7.7 Spurious Emission

7.7.1 Conducted Emission Method

Test Requirement:	FCC Part15 C Section 15.247 (d)
Test Method:	KDB558074 D01 DTS Meas Guidance V05
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is 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.
Test setup:	 <p>The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T. (Equipment Under Test) via a red cable. Both are placed on a Non-Conducted Table, which is supported by two legs. Below the table is a Ground Reference Plane.</p>
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.2 for details
Test results:	Pass

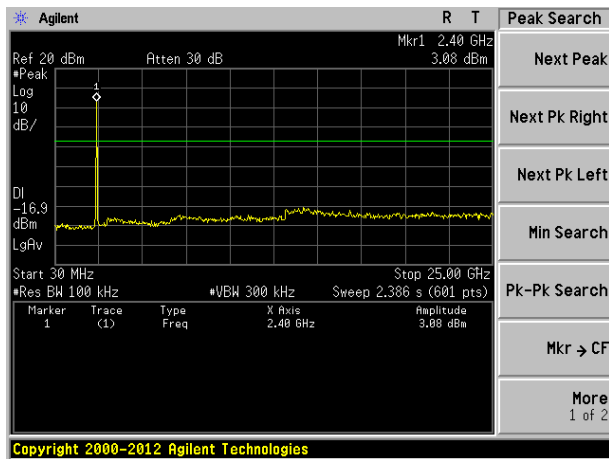
Test plot as follows:

Test mode:	802.11b
Lowest channel	



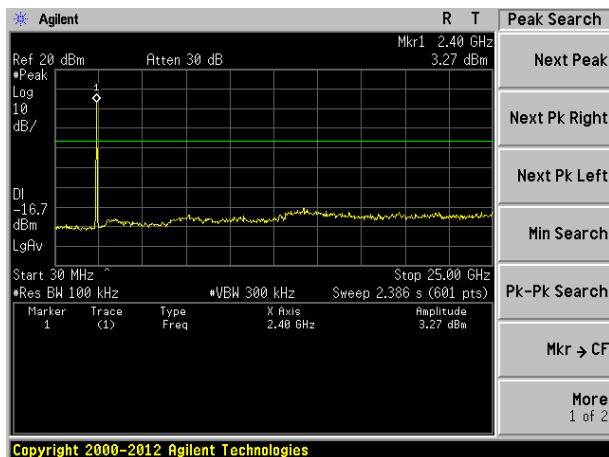
30MHz~25GHz

Middle channel



30MHz~25GHz

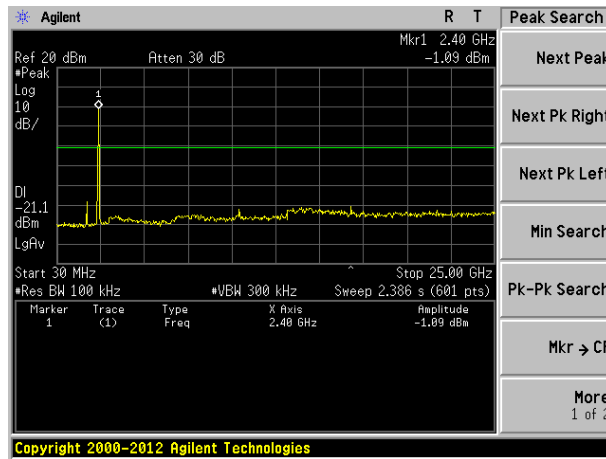
Highest channel



30MHz~25GHz

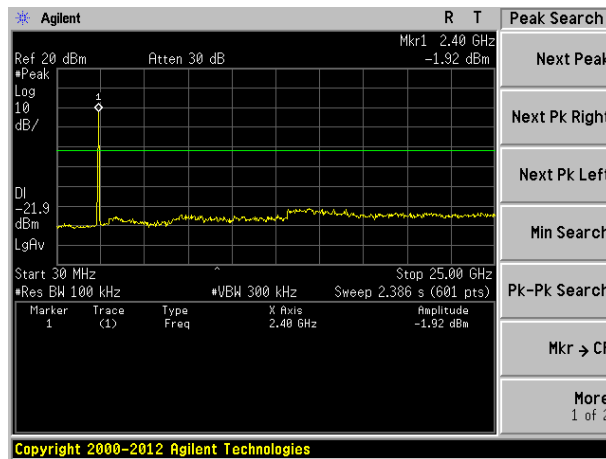
Test mode:	802.11g
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Lowest channel



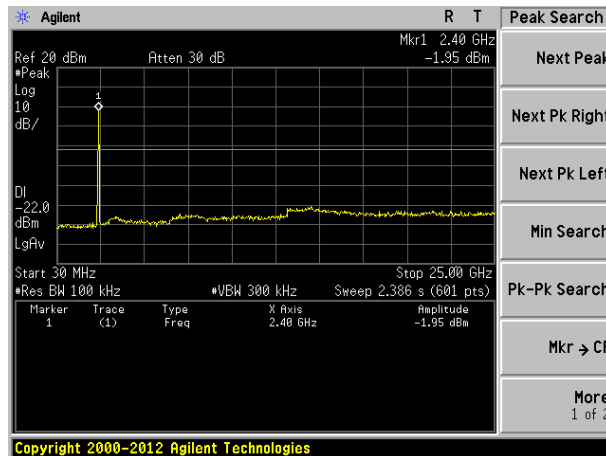
30MHz~25GHz

Middle channel



30MHz~25GHz

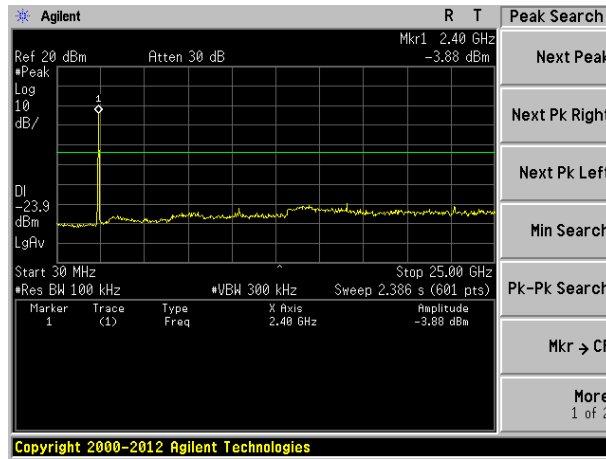
Highest channel



30MHz~25GHz

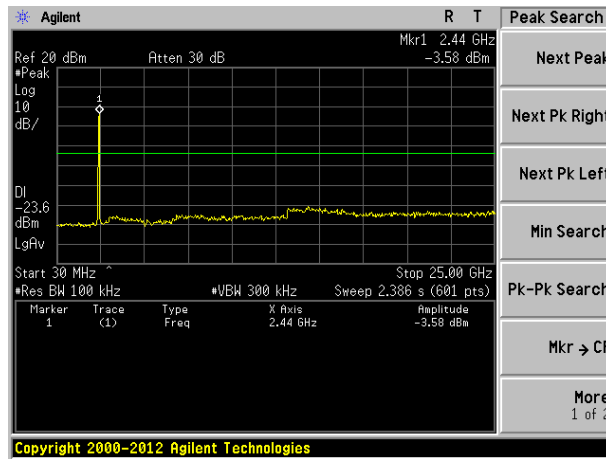
Test mode: 802.11n(HT20)

Lowest channel



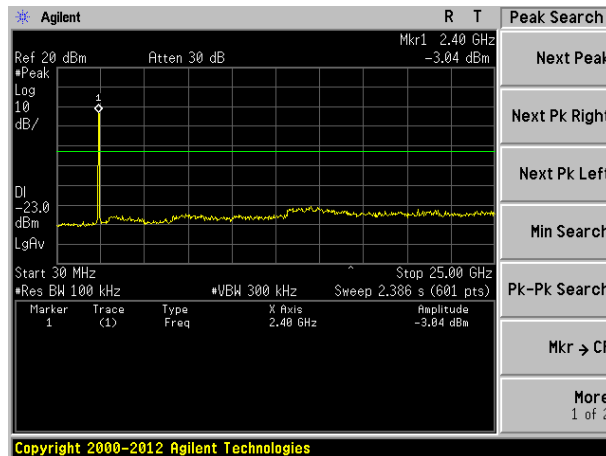
30MHz~25GHz

Middle channel



30MHz~25GHz

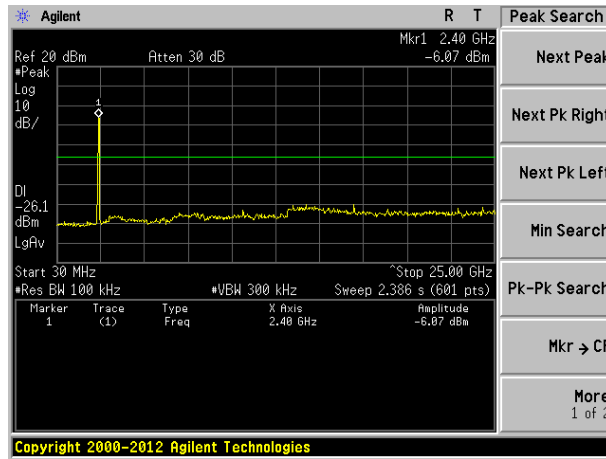
Highest channel



30MHz~25GHz

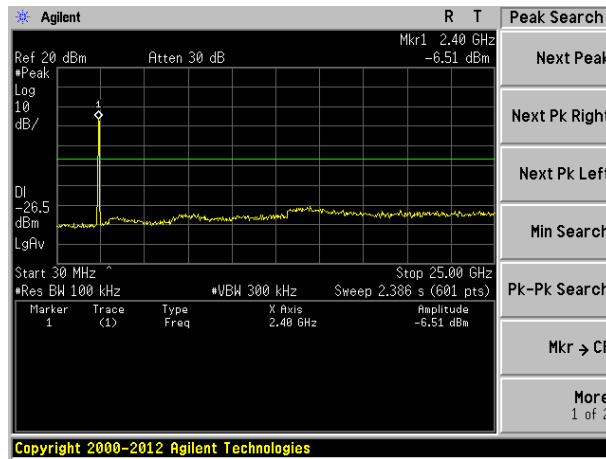
Test mode:	802.11n(HT40)
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Lowest channel



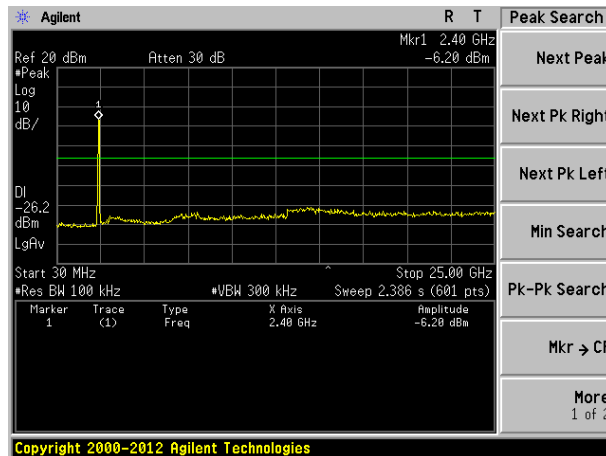
30MHz~25GHz

Middle channel



30MHz~25GHz

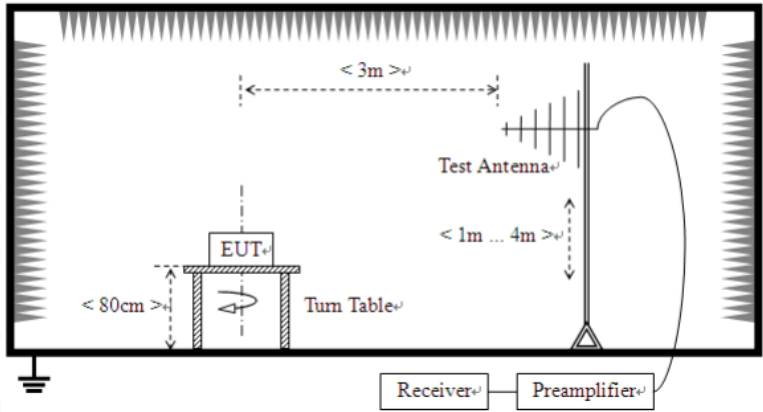
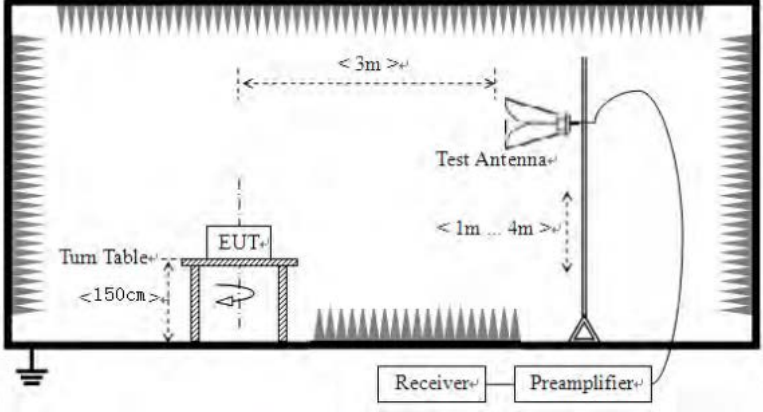
Highest channel



30MHz~25GHz

7.7.2 Radiated Emission Method

Test Requirement:	FCC Part15 C Section 15.209, 15.205																						
Test Method:	ANSI C63.10:2013																						
Test Frequency Range:	9kHz to 25GHz																						
Test site:	Measurement Distance: 3m																						
Receiver setup:	<table border="1"> <thead> <tr> <th>Frequency</th> <th>Detector</th> <th>RBW</th> <th>VBW</th> <th>Value</th> </tr> </thead> <tbody> <tr> <td>30MHz-1GHz</td> <td>Quasi-peak</td> <td>120KHz</td> <td>300KHz</td> <td>Quasi-peak</td> </tr> <tr> <td rowspan="2">Above 1GHz</td> <td>Peak</td> <td>1MHz</td> <td>3MHz</td> <td>Peak</td> </tr> <tr> <td>RMS</td> <td>1MHz</td> <td>3MHz</td> <td>Average</td> </tr> </tbody> </table>	Frequency	Detector	RBW	VBW	Value	30MHz-1GHz	Quasi-peak	120KHz	300KHz	Quasi-peak	Above 1GHz	Peak	1MHz	3MHz	Peak	RMS	1MHz	3MHz	Average			
Frequency	Detector	RBW	VBW	Value																			
30MHz-1GHz	Quasi-peak	120KHz	300KHz	Quasi-peak																			
Above 1GHz	Peak	1MHz	3MHz	Peak																			
	RMS	1MHz	3MHz	Average																			
Limit:	<table border="1"> <thead> <tr> <th>Frequency</th> <th>Limit (uV/m)</th> <th>Value</th> <th>Measurement Distance</th> </tr> </thead> <tbody> <tr> <td>30MHz-88MHz</td> <td>100</td> <td>QP</td> <td rowspan="6">3m</td> </tr> <tr> <td>88MHz-216MHz</td> <td>150</td> <td>QP</td> </tr> <tr> <td>216MHz-960MHz</td> <td>200</td> <td>QP</td> </tr> <tr> <td>960MHz-1GHz</td> <td>500</td> <td>QP</td> </tr> <tr> <td rowspan="2">Above 1GHz</td> <td>500</td> <td>Average</td> </tr> <tr> <td>5000</td> <td>Peak</td> </tr> </tbody> </table>	Frequency	Limit (uV/m)	Value	Measurement Distance	30MHz-88MHz	100	QP	3m	88MHz-216MHz	150	QP	216MHz-960MHz	200	QP	960MHz-1GHz	500	QP	Above 1GHz	500	Average	5000	Peak
Frequency	Limit (uV/m)	Value	Measurement Distance																				
30MHz-88MHz	100	QP	3m																				
88MHz-216MHz	150	QP																					
216MHz-960MHz	200	QP																					
960MHz-1GHz	500	QP																					
Above 1GHz	500	Average																					
	5000	Peak																					
Test setup:	<p>For radiated emissions from 9kHz to 30MHz</p> <p>For radiated emissions from 30MHz to 1GHz</p>																						

	 <p>For radiated emissions above 1GHz</p> 
<p>Test Procedure:</p>	<ol style="list-style-type: none"> 1. The EUT was placed on the top of a rotating table (0.8m for below 1G and 1.5m for above 1G) above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation. 2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. 3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. 4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading. 5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. 6. If the emission level of the EUT in peak mode was 10dB lower than the

	limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.2 for details
Test voltage:	AC120V 60Hz
Test results:	Pass

Remark:

Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y-axis which it is worse case.

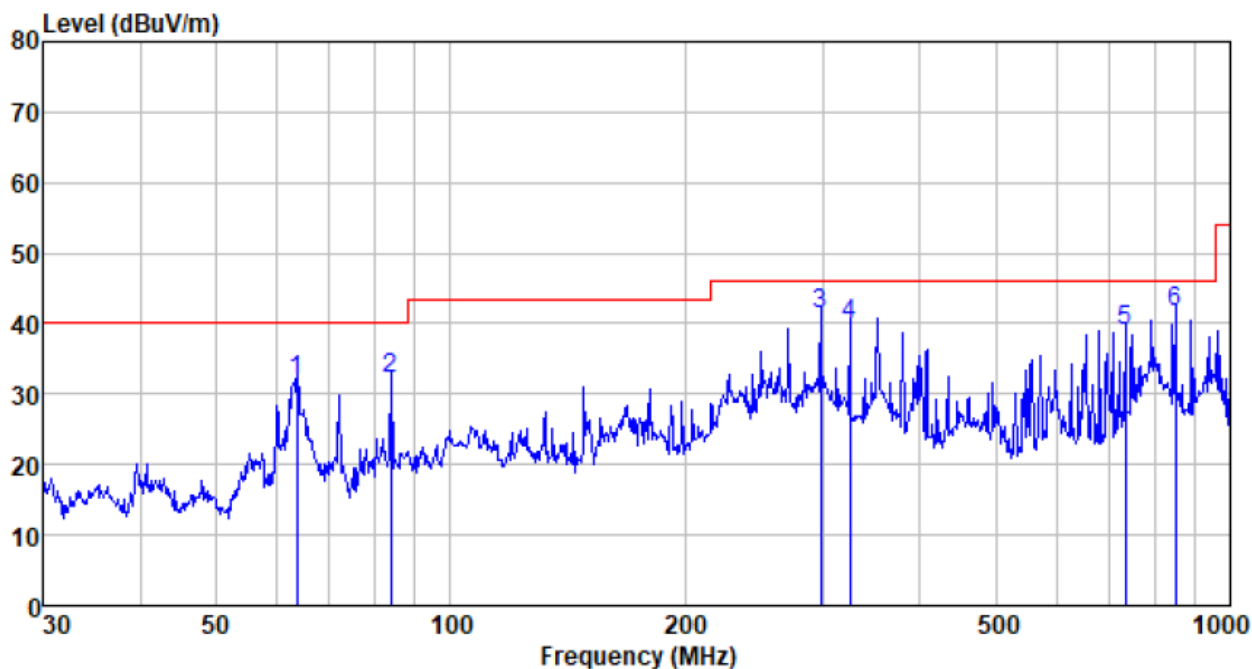
Measurement data:

■ **9kHz~30MHz**

The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

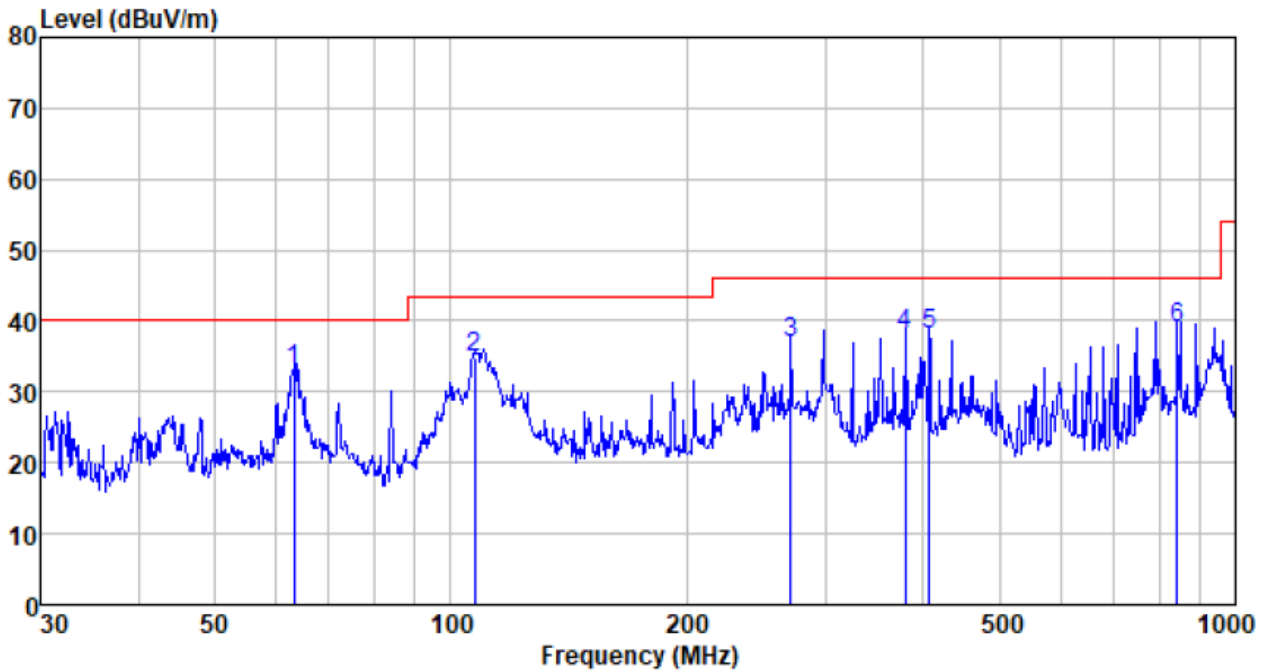
■ Below 1GHz

Mode:	Transmitting mode	Test by:	Bill
Temp./Hum.(%H):	26°C/56%RH	Polarization:	Horizontal



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
63.536	57.40	9.92	0.89	36.37	31.84	40.00	-8.16	QP
83.816	59.02	8.67	1.06	36.58	32.17	40.00	-7.83	QP
298.268	62.77	13.56	2.35	37.42	41.26	46.00	-4.74	QP
325.596	60.67	14.09	2.49	37.45	39.80	46.00	-6.20	QP
734.491	52.23	20.22	4.22	37.63	39.04	46.00	-6.96	QP
851.035	52.65	21.85	4.66	37.61	41.55	46.00	-4.45	QP

Mode:	Transmitting mode	Test by:	Bill
Temp./Hum.(%RH):	26°C/56%RH	Polarization:	Vertical



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
63.092	58.35	10.15	0.89	36.36	33.03	40.00	-6.97	QP
107.134	59.03	11.41	1.25	36.78	34.91	43.50	-8.59	QP
271.325	59.38	12.80	2.23	37.40	37.01	46.00	-8.99	QP
379.914	57.69	15.00	2.76	37.50	37.95	46.00	-8.05	QP
407.515	57.22	15.50	2.89	37.52	38.09	46.00	-7.91	QP
842.130	50.30	21.78	4.63	37.61	39.10	46.00	-6.90	QP

■ Above 1GHz

Test mode:	802.11b	Test channel:	Lowest
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Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4824.00	39.97	31.79	8.62	32.10	48.28	74.00	-25.72	Vertical
7236.00	34.02	36.19	11.68	31.97	49.92	74.00	-24.08	Vertical
9648.00	32.57	38.07	14.16	31.56	53.24	74.00	-20.76	Vertical
12060.00	*					74.00		Vertical
14472.00	*					74.00		Vertical
16884.00	*					74.00		Vertical
4824.00	38.69	31.79	8.62	32.10	47.00	74.00	-27.00	Horizontal
7236.00	33.79	36.19	11.68	31.97	49.69	74.00	-24.31	Horizontal
9648.00	32.16	38.07	14.16	31.56	52.83	74.00	-21.17	Horizontal
12060.00	*					74.00		Horizontal
14472.00	*					74.00		Horizontal
16884.00	*					74.00		Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4824.00	29.08	31.79	8.62	32.10	37.39	54.00	-16.61	Vertical
7236.00	22.89	36.19	11.68	31.97	38.79	54.00	-15.21	Vertical
9648.00	22.92	38.07	14.16	31.56	43.59	54.00	-10.41	Vertical
12060.00	*					54.00		Vertical
14472.00	*					54.00		Vertical
16884.00	*					54.00		Vertical
4824.00	28.25	31.79	8.62	32.10	36.56	54.00	-17.44	Horizontal
7236.00	22.38	36.19	11.68	31.97	38.28	54.00	-15.72	Horizontal
9648.00	21.91	38.07	14.16	31.56	42.58	54.00	-11.42	Horizontal
12060.00	*					54.00		Horizontal
14472.00	*					54.00		Horizontal
16884.00	*					54.00		Horizontal

Remarks:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Pre-amplifier Factor
2. “*”, means this data is too weak instrument of signal is unable to test.
3. The emission levels of other frequencies are very lower than the limit and not show in test report.

Test mode:	802.11b	Test channel:	Middle
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Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874.00	39.08	31.85	8.66	32.12	47.47	74.00	-26.53	Vertical
7311.00	34.12	36.37	11.71	31.91	50.29	74.00	-23.71	Vertical
9748.00	33.61	38.27	14.25	31.56	54.57	74.00	-19.43	Vertical
12185.00	*					74.00		Vertical
14622.00	*					74.00		Vertical
17059.00	*					74.00		Vertical
4874.00	39.60	31.85	8.66	32.12	47.99	74.00	-26.01	Horizontal
7311.00	32.78	36.37	11.71	31.91	48.95	74.00	-25.05	Horizontal
9748.00	33.51	38.27	14.25	31.56	54.47	74.00	-19.53	Horizontal
12185.00	*					74.00		Horizontal
14622.00	*					74.00		Horizontal
17059.00	*					74.00		Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874.00	29.96	31.85	8.66	32.12	38.35	54.00	-15.65	Vertical
7311.00	22.44	36.37	11.71	31.91	38.61	54.00	-15.39	Vertical
9748.00	22.87	38.27	14.25	31.56	43.83	54.00	-10.17	Vertical
12185.00	*					54.00		Vertical
14622.00	*					54.00		Vertical
17059.00	*					54.00		Vertical
4874.00	29.73	31.85	8.66	32.12	38.12	54.00	-15.88	Horizontal
7311.00	21.88	36.37	11.71	31.91	38.05	54.00	-15.95	Horizontal
9748.00	23.23	38.27	14.25	31.56	44.19	54.00	-9.81	Horizontal
12185.00	*					54.00		Horizontal
14622.00	*					54.00		Horizontal
17059.00	*					54.00		Horizontal

Remarks:

1. *Final Level = Receiver Read level + Antenna Factor + Cable Loss – Pre-amplifier Factor*
2. *“*”, means this data is too weak instrument of signal is unable to test.*
3. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

Test mode:	802.11b	Test channel:	Highest
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Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4924.00	44.42	31.90	8.70	32.15	52.87	74.00	-21.13	Vertical
7386.00	34.68	36.49	11.76	31.83	51.10	74.00	-22.90	Vertical
9848.00	36.82	38.62	14.31	31.77	57.98	74.00	-16.02	Vertical
12310.00	*					74.00		Vertical
14772.00	*					74.00		Vertical
17234.00	*					74.00		Vertical
4924.00	43.80	31.90	8.70	32.15	52.25	74.00	-21.75	Horizontal
7386.00	33.61	36.49	11.76	31.83	50.03	74.00	-23.97	Horizontal
9848.00	33.01	38.62	14.31	31.77	54.17	74.00	-19.83	Horizontal
12310.00	*					74.00		Horizontal
14772.00	*					74.00		Horizontal
17234.00	*					74.00		Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4924.00	35.37	31.90	8.70	32.15	43.82	54.00	-10.18	Vertical
7386.00	24.60	36.49	11.76	31.83	41.02	54.00	-12.98	Vertical
9848.00	25.33	38.62	14.31	31.77	46.49	54.00	-7.51	Vertical
12310.00	*					54.00		Vertical
14772.00	*					54.00		Vertical
17234.00	*					54.00		Vertical
4924.00	34.19	31.90	8.70	32.15	42.64	54.00	-11.36	Horizontal
7386.00	23.01	36.49	11.76	31.83	39.43	54.00	-14.57	Horizontal
9848.00	22.27	38.62	14.31	31.77	43.43	54.00	-10.57	Horizontal
12310.00	*					54.00		Horizontal
14772.00	*					54.00		Horizontal
17234.00	*					54.00		Horizontal

Remarks:

1. *Final Level = Receiver Read level + Antenna Factor + Cable Loss – Pre-amplifier Factor*
2. *“*”, means this data is too weak instrument of signal is unable to test.*
3. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

Test mode:	802.11g	Test channel:	lowest
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Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4824.00	39.71	31.79	8.62	32.10	48.02	74.00	-25.98	Vertical
7236.00	33.85	36.19	11.68	31.97	49.75	74.00	-24.25	Vertical
9648.00	32.45	38.07	14.16	31.56	53.12	74.00	-20.88	Vertical
12060.00	*					74.00		Vertical
14472.00	*					74.00		Vertical
16884.00	*					74.00		Vertical
4824.00	38.47	31.79	8.62	32.10	46.78	74.00	-27.22	Horizontal
7236.00	33.64	36.19	11.68	31.97	49.54	74.00	-24.46	Horizontal
9648.00	32.05	38.07	14.16	31.56	52.72	74.00	-21.28	Horizontal
12060.00	*					74.00		Horizontal
14472.00	*					74.00		Horizontal
16884.00	*					74.00		Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4824.00	28.84	31.79	8.62	32.10	37.15	54.00	-16.85	Vertical
7236.00	22.73	36.19	11.68	31.97	38.63	54.00	-15.37	Vertical
9648.00	22.81	38.07	14.16	31.56	43.48	54.00	-10.52	Vertical
12060.00	*					54.00		Vertical
14472.00	*					54.00		Vertical
16884.00	*					54.00		Vertical
4824.00	28.04	31.79	8.62	32.10	36.35	54.00	-17.65	Horizontal
7236.00	22.24	36.19	11.68	31.97	38.14	54.00	-15.86	Horizontal
9648.00	21.81	38.07	14.16	31.56	42.48	54.00	-11.52	Horizontal
12060.00	*					54.00		Horizontal
14472.00	*					54.00		Horizontal
16884.00	*					54.00		Horizontal

Remarks:

1. *Final Level = Receiver Read level + Antenna Factor + Cable Loss – Pre-amplifier Factor*
2. *“*”, means this data is too weak instrument of signal is unable to test.*
3. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

Test mode:	802.11g	Test channel:	Middle
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Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874.00	38.87	31.85	8.66	32.12	47.26	74.00	-26.74	Vertical
7311.00	33.98	36.37	11.71	31.91	50.15	74.00	-23.85	Vertical
9748.00	33.51	38.27	14.25	31.56	54.47	74.00	-19.53	Vertical
12185.00	*					74.00		Vertical
14622.00	*					74.00		Vertical
17059.00	*					74.00		Vertical
4874.00	39.42	31.85	8.66	32.12	47.81	74.00	-26.19	Horizontal
7311.00	32.66	36.37	11.71	31.91	48.83	74.00	-25.17	Horizontal
9748.00	33.42	38.27	14.25	31.56	54.38	74.00	-19.62	Horizontal
12185.00	*					74.00		Horizontal
14622.00	*					74.00		Horizontal
17059.00	*					74.00		Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874.00	29.76	31.85	8.66	32.12	38.15	54.00	-15.85	Vertical
7311.00	22.31	36.37	11.71	31.91	38.48	54.00	-15.52	Vertical
9748.00	22.78	38.27	14.25	31.56	43.74	54.00	-10.26	Vertical
12185.00	*					54.00		Vertical
14622.00	*					54.00		Vertical
17059.00	*					54.00		Vertical
4874.00	29.56	31.85	8.66	32.12	37.95	54.00	-16.05	Horizontal
7311.00	21.76	36.37	11.71	31.91	37.93	54.00	-16.07	Horizontal
9748.00	23.14	38.27	14.25	31.56	44.10	54.00	-9.90	Horizontal
12185.00	*					54.00		Horizontal
14622.00	*					54.00		Horizontal
17059.00	*					54.00		Horizontal

Remarks:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Pre-amplifier Factor
2. “*”, means this data is too weak instrument of signal is unable to test.
3. The emission levels of other frequencies are very lower than the limit and not show in test report.

Test mode:	802.11g	Test channel:	Highest
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Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4924.00	44.05	31.90	8.70	32.15	52.50	74.00	-21.50	Vertical
7386.00	34.44	36.49	11.76	31.83	50.86	74.00	-23.14	Vertical
9848.00	36.65	38.62	14.31	31.77	57.81	74.00	-16.19	Vertical
12310.00	*					74.00		Vertical
14772.00	*					74.00		Vertical
17234.00	*					74.00		Vertical
4924.00	43.48	31.90	8.70	32.15	51.93	74.00	-22.07	Horizontal
7386.00	33.41	36.49	11.76	31.83	49.83	74.00	-24.17	Horizontal
9848.00	32.85	38.62	14.31	31.77	54.01	74.00	-19.99	Horizontal
12310.00	*					74.00		Horizontal
14772.00	*					74.00		Horizontal
17234.00	*					74.00		Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4924.00	35.03	31.90	8.70	32.15	43.48	54.00	-10.52	Vertical
7386.00	24.37	36.49	11.76	31.83	40.79	54.00	-13.21	Vertical
9848.00	25.17	38.62	14.31	31.77	46.33	54.00	-7.67	Vertical
12310.00	*					54.00		Vertical
14772.00	*					54.00		Vertical
17234.00	*					54.00		Vertical
4924.00	33.89	31.90	8.70	32.15	42.34	54.00	-11.66	Horizontal
7386.00	22.81	36.49	11.76	31.83	39.23	54.00	-14.77	Horizontal
9848.00	22.12	38.62	14.31	31.77	43.28	54.00	-10.72	Horizontal
12310.00	*					54.00		Horizontal
14772.00	*					54.00		Horizontal
17234.00	*					54.00		Horizontal

Remarks:

1. *Final Level = Receiver Read level + Antenna Factor + Cable Loss – Pre-amplifier Factor*
2. *“*”, means this data is too weak instrument of signal is unable to test.*
3. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

Test mode:	802.11n(HT20)	Test channel:	Lowest
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Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4824.00	39.64	31.79	8.62	32.10	47.95	74.00	-26.05	Vertical
7236.00	33.80	36.19	11.68	31.97	49.70	74.00	-24.30	Vertical
9648.00	32.42	38.07	14.16	31.56	53.09	74.00	-20.91	Vertical
12060.00	*					74.00		Vertical
14472.00	*					74.00		Vertical
16884.00	*					74.00		Vertical
4824.00	38.41	31.79	8.62	32.10	46.72	74.00	-27.28	Horizontal
7236.00	33.61	36.19	11.68	31.97	49.51	74.00	-24.49	Horizontal
9648.00	32.02	38.07	14.16	31.56	52.69	74.00	-21.31	Horizontal
12060.00	*					74.00		Horizontal
14472.00	*					74.00		Horizontal
16884.00	*					74.00		Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4824.00	28.77	31.79	8.62	32.10	37.08	54.00	-16.92	Vertical
7236.00	22.69	36.19	11.68	31.97	38.59	54.00	-15.41	Vertical
9648.00	22.78	38.07	14.16	31.56	43.45	54.00	-10.55	Vertical
12060.00	*					54.00		Vertical
14472.00	*					54.00		Vertical
16884.00	*					54.00		Vertical
4824.00	27.98	31.79	8.62	32.10	36.29	54.00	-17.71	Horizontal
7236.00	22.20	36.19	11.68	31.97	38.10	54.00	-15.90	Horizontal
9648.00	21.78	38.07	14.16	31.56	42.45	54.00	-11.55	Horizontal
12060.00	*					54.00		Horizontal
14472.00	*					54.00		Horizontal
16884.00	*					54.00		Horizontal

Remarks:

1. *Final Level = Receiver Read level + Antenna Factor + Cable Loss – Pre-amplifier Factor*
2. *“*”, means this data is too weak instrument of signal is unable to test.*
3. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

Test mode:	802.11n(HT20)	Test channel:	Middle
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Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874.00	38.81	31.85	8.66	32.12	47.20	74.00	-26.80	Vertical
7311.00	33.95	36.37	11.71	31.91	50.12	74.00	-23.88	Vertical
9748.00	33.49	38.27	14.25	31.56	54.45	74.00	-19.55	Vertical
12185.00	*					74.00		Vertical
14622.00	*					74.00		Vertical
17059.00	*					74.00		Vertical
4874.00	39.37	31.85	8.66	32.12	47.76	74.00	-26.24	Horizontal
7311.00	32.63	36.37	11.71	31.91	48.80	74.00	-25.20	Horizontal
9748.00	33.40	38.27	14.25	31.56	54.36	74.00	-19.64	Horizontal
12185.00	*					74.00		Horizontal
14622.00	*					74.00		Horizontal
17059.00	*					74.00		Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874.00	29.70	31.85	8.66	32.12	38.09	54.00	-15.91	Vertical
7311.00	22.27	36.37	11.71	31.91	38.44	54.00	-15.56	Vertical
9748.00	22.75	38.27	14.25	31.56	43.71	54.00	-10.29	Vertical
12185.00	*					54.00		Vertical
14622.00	*					54.00		Vertical
17059.00	*					54.00		Vertical
4874.00	29.51	31.85	8.66	32.12	37.90	54.00	-16.10	Horizontal
7311.00	21.73	36.37	11.71	31.91	37.90	54.00	-16.10	Horizontal
9748.00	23.12	38.27	14.25	31.56	44.08	54.00	-9.92	Horizontal
12185.00	*					54.00		Horizontal
14622.00	*					54.00		Horizontal
17059.00	*					54.00		Horizontal

Remarks:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Pre-amplifier Factor
2. “*”, means this data is too weak instrument of signal is unable to test.
3. The emission levels of other frequencies are very lower than the limit and not show in test report.

Test mode:	802.11n(HT20)	Test channel:	Highest
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Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4924.00	43.95	31.90	8.70	32.15	52.40	74.00	-21.60	4924.00
7386.00	34.37	36.49	11.76	31.83	50.79	74.00	-23.21	7386.00
9848.00	36.61	38.62	14.31	31.77	57.77	74.00	-16.23	9848.00
12310.00	*					74.00		Vertical
14772.00	*					74.00		Vertical
17234.00	*					74.00		Vertical
4924.00	43.40	31.90	8.70	32.15	51.85	74.00	-22.15	Horizontal
7386.00	33.35	36.49	11.76	31.83	49.77	74.00	-24.23	Horizontal
9848.00	32.81	38.62	14.31	31.77	53.97	74.00	-20.03	Horizontal
12310.00	*					74.00		Horizontal
14772.00	*					74.00		Horizontal
17234.00	*					74.00		Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4924.00	34.93	31.90	8.70	32.15	43.38	54.00	-10.62	Vertical
7386.00	24.31	36.49	11.76	31.83	40.73	54.00	-13.27	Vertical
9848.00	25.13	38.62	14.31	31.77	46.29	54.00	-7.71	Vertical
12310.00	*					54.00		Vertical
14772.00	*					54.00		Vertical
17234.00	*					54.00		Vertical
4924.00	33.81	31.90	8.70	32.15	42.26	54.00	-11.74	Horizontal
7386.00	22.75	36.49	11.76	31.83	39.17	54.00	-14.83	Horizontal
9848.00	22.08	38.62	14.31	31.77	43.24	54.00	-10.76	Horizontal
12310.00	*					54.00		Horizontal
14772.00	*					54.00		Horizontal
17234.00	*					54.00		Horizontal

Remarks:

1. *Final Level = Receiver Read level + Antenna Factor + Cable Loss – Pre-amplifier Factor*
2. *“*”, means this data is the too weak instrument of signal is unable to test.*
3. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

Test mode:	802.11n(HT40)	Test channel:	Lowest
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Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4844.00	39.21	31.81	8.63	32.11	47.54	74.00	-26.46	Vertical
7266.00	33.54	36.28	11.69	31.94	49.57	74.00	-24.43	Vertical
9688.00	32.23	38.13	14.21	31.52	53.05	74.00	-20.95	Vertical
12060.00	*					74.00		Vertical
14472.00	*					74.00		Vertical
16884.00	*					74.00		Vertical
4844.00	38.05	31.81	8.63	32.11	46.38	74.00	-27.62	Horizontal
7266.00	33.37	36.28	11.69	31.94	49.40	74.00	-24.60	Horizontal
9688.00	31.84	38.13	14.21	31.52	52.66	74.00	-21.34	Horizontal
12060.00	*					74.00		Horizontal
14472.00	*					74.00		Horizontal
16884.00	*					74.00		Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4844.00	28.38	31.81	8.63	32.11	36.71	54.00	-17.29	Vertical
7266.00	22.43	36.28	11.69	31.94	38.46	54.00	-15.54	Vertical
9688.00	22.59	38.13	14.21	31.52	43.41	54.00	-10.59	Vertical
12060.00	*					54.00		Vertical
14472.00	*					54.00		Vertical
16884.00	*					54.00		Vertical
4844.00	27.64	31.81	8.63	32.11	35.97	54.00	-18.03	Horizontal
7266.00	21.97	36.28	11.69	31.94	38.00	54.00	-16.00	Horizontal
9688.00	21.61	38.13	14.21	31.52	42.43	54.00	-11.57	Horizontal
12060.00	*					54.00		Horizontal
14472.00	*					54.00		Horizontal
16884.00	*					54.00		Horizontal

Remarks:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Pre-amplifier Factor
2. “*”, means this data is too weak instrument of signal is unable to test.
3. The emission levels of other frequencies are very lower than the limit and not show in test report.

Test mode:	802.11n(HT40)	Test channel:	Middle
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Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874.00	38.46	31.85	8.66	32.12	46.85	74.00	-27.15	Vertical
7311.00	33.72	36.37	11.71	31.91	49.89	74.00	-24.11	Vertical
9748.00	33.33	38.27	14.25	31.56	54.29	74.00	-19.71	Vertical
12185.00	*					74.00		Vertical
14622.00	*					74.00		Vertical
17059.00	*					74.00		Vertical
4874.00	39.07	31.85	8.66	32.12	47.46	74.00	-26.54	Horizontal
7311.00	32.44	36.37	11.71	31.91	48.61	74.00	-25.39	Horizontal
9748.00	33.25	38.27	14.25	31.56	54.21	74.00	-19.79	Horizontal
12185.00	*					74.00		Horizontal
14622.00	*					74.00		Horizontal
17059.00	*					74.00		Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874.00	29.38	31.85	8.66	32.12	37.77	54.00	-16.23	Vertical
7311.00	22.06	36.37	11.71	31.91	38.23	54.00	-15.77	Vertical
9748.00	22.60	38.27	14.25	31.56	43.56	54.00	-10.44	Vertical
12185.00	*					54.00		Vertical
14622.00	*					54.00		Vertical
17059.00	*					54.00		Vertical
4874.00	29.23	31.85	8.66	32.12	37.62	54.00	-16.38	Horizontal
7311.00	21.54	36.37	11.71	31.91	37.71	54.00	-16.29	Horizontal
9748.00	22.98	38.27	14.25	31.56	43.94	54.00	-10.06	Horizontal
12185.00	*					54.00		Horizontal
14622.00	*					54.00		Horizontal
17059.00	*					54.00		Horizontal

Remarks:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Pre-amplifier Factor
2. “*”, means this data is too weak instrument of signal is unable to test.
3. The emission levels of other frequencies are very lower than the limit and not show in test report.

Test mode:	802.11n(HT40)	Test channel:	Highest
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Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4904.00	43.34	31.88	8.68	32.13	51.77	74.00	-22.23	Vertical
7356.00	33.99	36.45	11.75	31.86	50.33	74.00	-23.67	Vertical
9808.00	36.33	38.43	14.29	31.68	57.37	74.00	-16.63	Vertical
12310.00	*					74.00		Vertical
14772.00	*					74.00		Vertical
17234.00	*					74.00		Vertical
4904.00	42.88	31.88	8.68	32.13	51.31	74.00	-22.69	Horizontal
7356.00	33.01	36.45	11.75	31.86	49.35	74.00	-24.65	Horizontal
9808.00	32.56	38.43	14.29	31.68	53.60	74.00	-20.40	Horizontal
12310.00	*					74.00		Horizontal
14772.00	*					74.00		Horizontal
17234.00	*					74.00		Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4904.00	34.37	31.88	8.68	32.13	42.80	54.00	-11.20	Vertical
7356.00	23.94	36.45	11.75	31.86	40.28	54.00	-13.72	Vertical
9808.00	24.86	38.43	14.29	31.68	45.90	54.00	-8.10	Vertical
12310.00	*					54.00		Vertical
14772.00	*					54.00		Vertical
17234.00	*					54.00		Vertical
4904.00	33.33	31.88	8.68	32.13	41.76	54.00	-12.24	Horizontal
7356.00	22.43	36.45	11.75	31.86	38.77	54.00	-15.23	Horizontal
9808.00	21.84	38.43	14.29	31.68	42.88	54.00	-11.12	Horizontal
12310.00	*					54.00		Horizontal
14772.00	*					54.00		Horizontal
17234.00	*					54.00		Horizontal

Remarks:

1. *Final Level = Receiver Read level + Antenna Factor + Cable Loss – Pre-amplifier Factor*
2. *“*”, means this data is too weak instrument of signal is unable to test.*
1. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

8 Test Setup Photo

Radiated Emission



Conducted Emission



9 EUT Constructional Details

Reference to the test report No. GTS201808000214F01

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