



## **FCC Report (WIFI)**

**Applicant:** Trane US, Inc.

**Address of Applicant:** 6200 Troup Highway, TYLER, Texas 75707, United States

**Manufacturer:** COMPUTIME ELECTRONICS(SHENZHEN) CO.,LTD.

**Address of Manufacturer:** Computime Technology Pk, Dan Zhu Tou Cun Buji, Longgang Region Shenzhen China

### **Equipment Under Test (EUT)**

**Product Name:** Color WIFI/ Z-wave thermostat

**Model No.:** TCONT850AC52UBA, ACONT850AC52UBA

**FCC ID:** XVR-CONT8505

**Applicable standards:** FCC CFR Title 47 Part 15 Subpart C Section 15.247

**Date of sample receipt:** June 25, 2018

**Date of Test:** June 26-August 13, 2018

**Date of report issued:** August 13, 2018

**Test Result :** PASS \*

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

Authorized Signature:



The stamp contains the text "GTS" in the center, surrounded by "GLOBAL TESTING SERVICES" and "CO., LTD." at the top and bottom, and "2018" at the bottom right.

**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	August 13, 2018	Original

**Prepared By:**

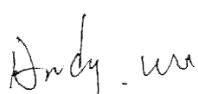


**Date:**

August 13, 2018

**Project Engineer**

**Check By:**



**Date:**

August 13, 2018

**Reviewer**

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## 4 Test Summary

Test Item	Section in CFR 47	Result
Antenna requirement	15.203/15.247 (c)	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

Remark: Test according to ANSI C63.10:2013.

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:	Color WIFI/ Z-wave thermostat
Model No.:	TCONT850AC52UBA, ACONT850AC52UBA
Test Model No:	TCONT850AC52UBA
<i>Remark: All above models are identical in the same PCB layout, interior structure and electrical circuits. The differences are color and model name for commercial purpose.</i>	
Serial No.:	1820C1ABNX
Test sample(s) ID:	GTS201807000173-1
Sample(s) Status	Engineer sample
Hardware version:	0x1
Software version:	5.2.5
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(HT20)/802.11n(HT40): Orthogonal Frequency Division Multiplexing (OFDM)
Antenna Type:	Integral Antenna
Antenna gain:	0dBi(declare by manufacturer)
Power supply:	AC 24V

<b>Operation Frequency each of channel</b>							
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	<del>2457MHz</del>	

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:

<b>Test channel</b>	<b>Frequency (MHz)</b>	
	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
<p><i>Remark: During the test, the dutycycle &gt;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></p>	

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.										
<table border="1"><tr><td>Mode</td><td>802.11b</td><td>802.11g</td><td>802.11n(HT20)</td><td>802.11n(HT40)</td></tr><tr><td>Data rate</td><td>1Mbps</td><td>6Mbps</td><td>6.5Mbps</td><td>13Mbps</td></tr></table>	Mode	802.11b	802.11g	802.11n(HT20)	802.11n(HT40)	Data rate	1Mbps	6Mbps	6.5Mbps	13Mbps
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	FCC Approval
Computime	AC-AC adaptor	KJS-66	N/A	N/A
Lenovo	Notebook PC	E40	N/A	N/A

## 5.4 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **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.

## 5.5 Test Location

All tests were performed at:
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

## 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

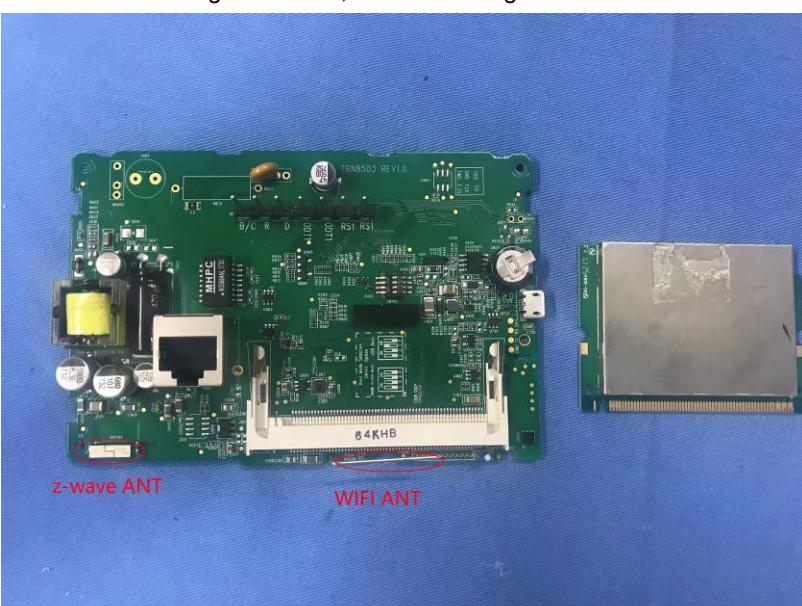
Conducted Emission						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	Shielding Room	ZhongYu Electron	7.3(L)x3.1(W)x2.9(H)	GTS252	May.16 2014	May.15 2019
2	EMI Test Receiver	R&S	ESCI 7	GTS552	June. 27 2018	June. 26 2019
3	Coaxial Switch	ANRITSU 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	N/A	N/A
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

Conducted:						
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

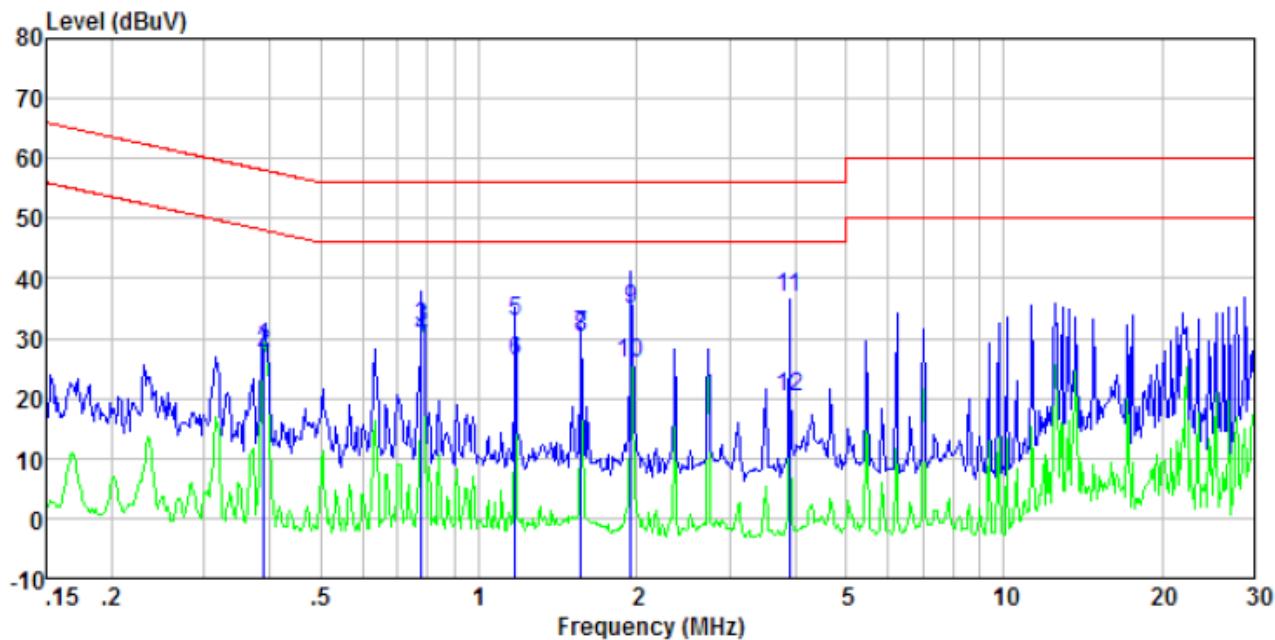
<b>Standard requirement:</b>	FCC Part15 C Section 15.203 /247(c)
<b>15.203 requirement:</b>	
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna 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.	
<b>15.247(c) (1)(i) requirement:</b>	
(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.	
<b>EUT Antenna:</b>	
<i>The antenna is integral antenna, the best case gain of the antenna is 0dBi</i>	
	

## 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:	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			
* Decreases with the logarithm of the frequency.						
Test setup:	<p>Reference Plane</p> <p>LISN</p> <p>40cm</p> <p>80cm</p> <p>AUX Equipment</p> <p>E.U.T</p> <p>Test table/Insulation plane</p> <p>EMI Receiver</p> <p>Filter</p> <p>AC power</p> <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"> <li>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.</li> <li>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).</li> <li>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.</li> </ol>					
Test environment:	Temp.:	25 °C	Humid.:	52%	Press.:	1 012mbar
Test Instruments:	Refer to section 6.0 for details					
Test mode:	Refer to section 5.2 for details					
Test results:	Pass					

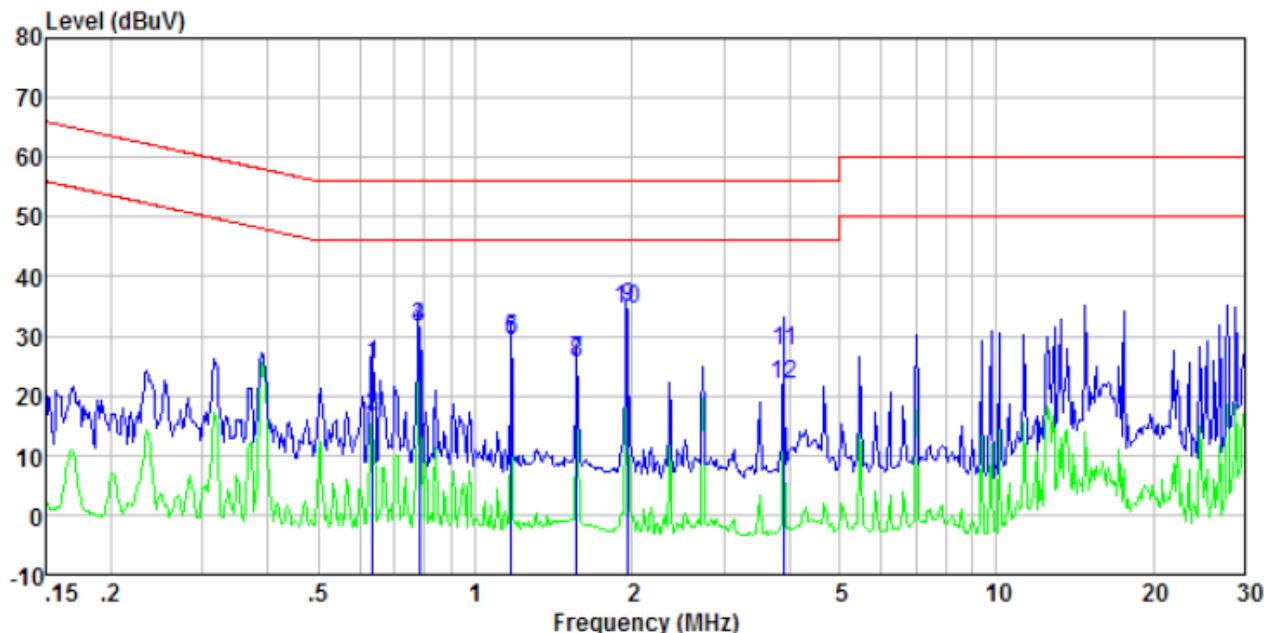
**Measurement data**

Test mode:	WIFI mode	Phase Polarity:	Line
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Freq MHz	Reading level dBuV	LISN/ISN factor dB/m	Cable loss dB	Level dBuV	Limit level dBuV	Over limit dB	Remark
0.39	27.99	0.36	0.11	28.46	58.08	-29.62	QP
0.39	27.10	0.36	0.11	27.57	48.08	-20.51	Average
0.78	31.48	0.24	0.14	31.86	56.00	-24.14	QP
0.78	29.67	0.24	0.14	30.05	46.00	-15.95	Average
1.17	32.34	0.20	0.16	32.70	56.00	-23.30	QP
1.17	25.99	0.20	0.16	26.35	46.00	-19.65	Average
1.57	30.13	0.20	0.17	30.50	56.00	-25.50	QP
1.57	29.96	0.20	0.17	30.33	46.00	-15.67	Average
1.95	34.62	0.20	0.17	34.99	56.00	-21.01	QP
1.95	25.60	0.20	0.17	25.97	46.00	-20.03	Average
3.90	36.55	0.20	0.18	36.93	56.00	-19.07	QP
3.90	19.72	0.20	0.18	20.10	46.00	-25.90	Average

Test mode:	WIFI mode	Phase Polarity:	Neutral
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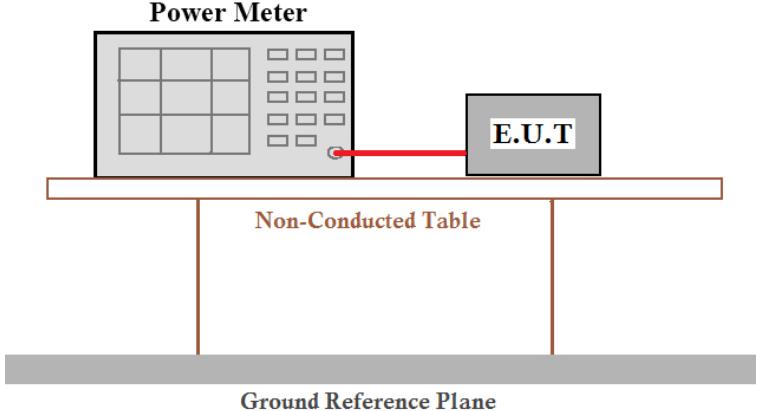


Freq MHz	Reading level dBuV	LISN/ISN factor dB/m	Cable loss dB	Level dBuV	Limit level dBuV	Over limit dB	Remark
0.64	24.85	0.28	0.12	25.25	56.00	-30.75	QP
0.64	16.19	0.28	0.12	16.59	46.00	-29.41	Average
0.78	31.27	0.24	0.14	31.65	56.00	-24.35	QP
0.78	31.21	0.24	0.14	31.59	46.00	-14.41	Average
1.18	29.07	0.20	0.16	29.43	56.00	-26.57	QP
1.18	28.99	0.20	0.16	29.35	46.00	-16.65	Average
1.57	25.58	0.20	0.17	25.95	56.00	-30.05	QP
1.57	25.19	0.20	0.17	25.56	46.00	-20.44	Average
1.96	34.52	0.20	0.17	34.89	56.00	-21.11	QP
1.96	34.14	0.20	0.17	34.51	46.00	-11.49	Average
3.92	27.15	0.20	0.18	27.53	56.00	-28.47	QP
3.92	21.57	0.20	0.18	21.95	46.00	-24.05	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.*

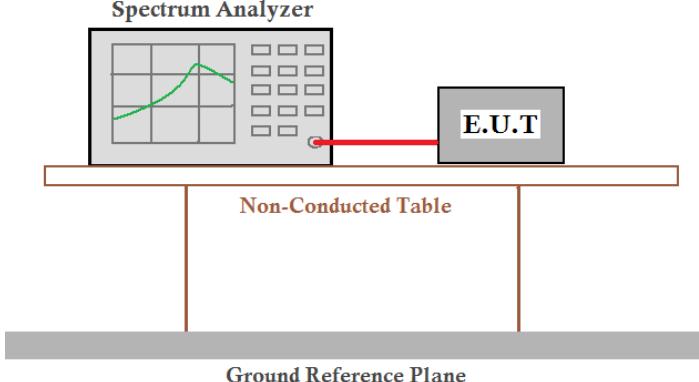
## 7.3 Conducted Peak Output Power

Test Requirement:	FCC Part15 C Section 15.247 (b)(3)
Test Method:	KDB558074 D01 DTS Meas Guidance V04
Limit:	30dBm
Test setup:	
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	16.52	16.96	16.97	16.92	30.00	Pass
Middle	16.10	15.48	16.36	16.83		
Highest	15.87	16.44	16.09	16.29		

## 7.4 Channel Bandwidth

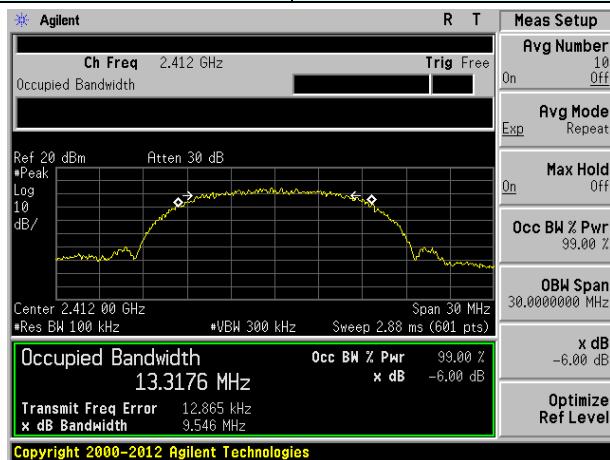
Test Requirement:	FCC Part15 C Section 15.247 (a)(2)		
Test Method:	KDB558074 D01 DTS Meas Guidance V04		
Limit:	>500KHz		
Test setup:			
Test Instruments:	Refer to section 6.0 for details		
Test mode:	Refer to section 5.2 for details		
Test results:	Pass		

### Measurement Data

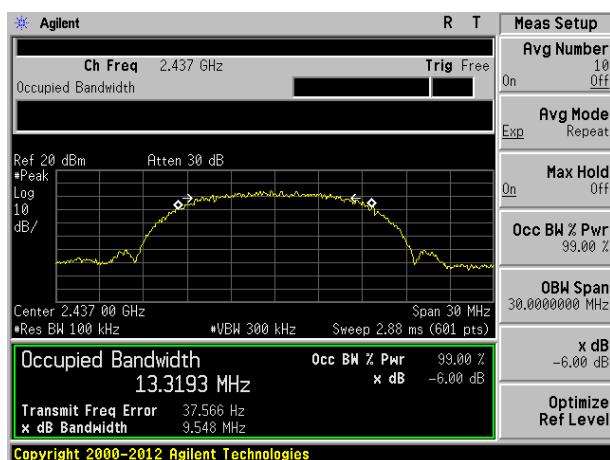
Test CH	Channel Bandwidth (MHz)				Limit(KHz)	Result
	802.11b	802.11g	802.11n(HT20)	802.11n(HT40)		
Lowest	9.556	16.582	17.831	37.738		
Middle	9.548	16.576	17.760	36.569	>500	Pass
Highest	9.547	16.580	17.687	36.590		

**Test plot as follows:**

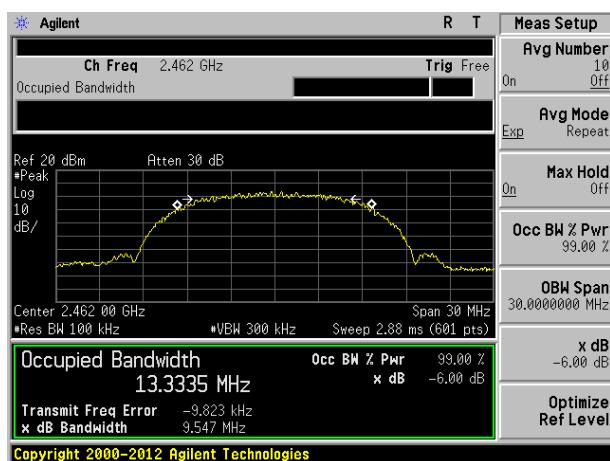
Test mode:	802.11b
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Lowest channel



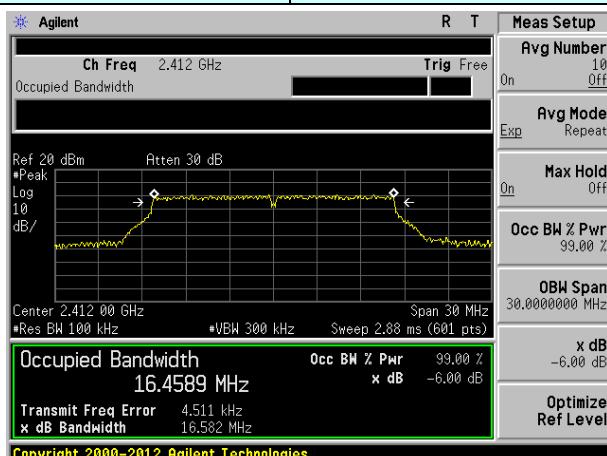
Middle channel



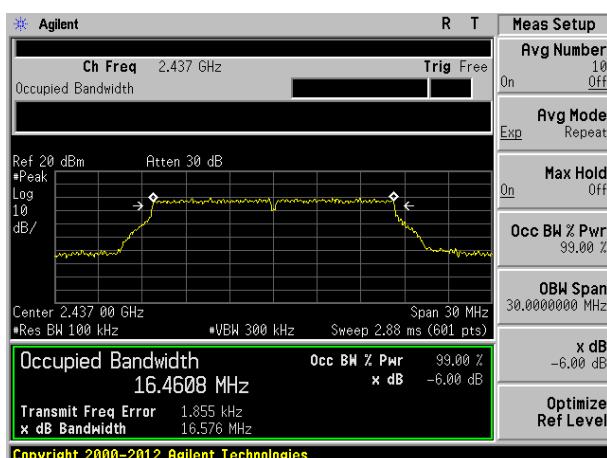
Highest channel

Test mode:

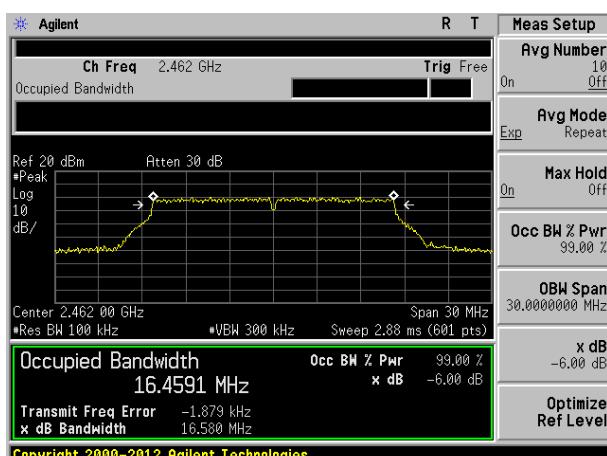
802.11g



Lowest channel



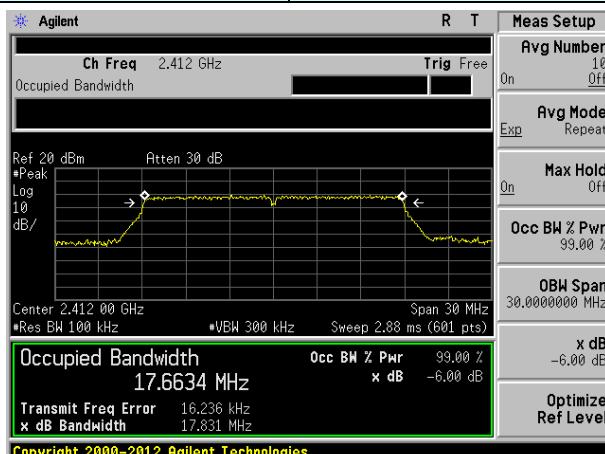
Middle channel



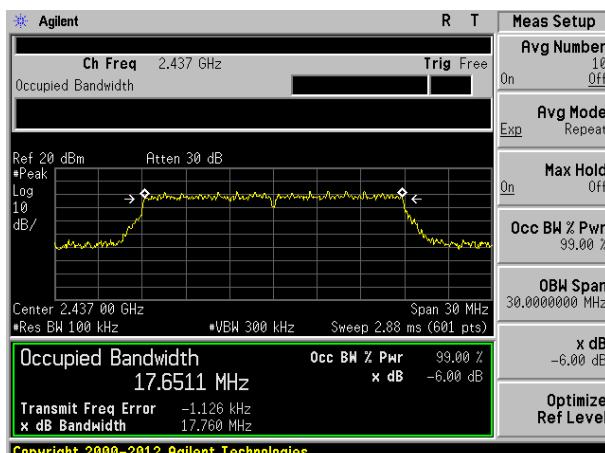
Highest channel

Test mode:

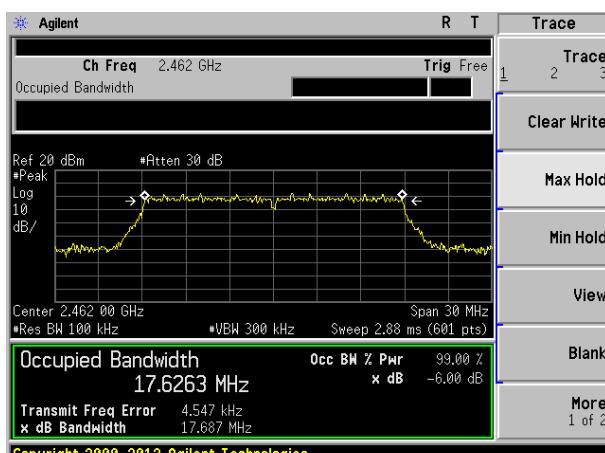
802.11n(HT20)



Lowest channel



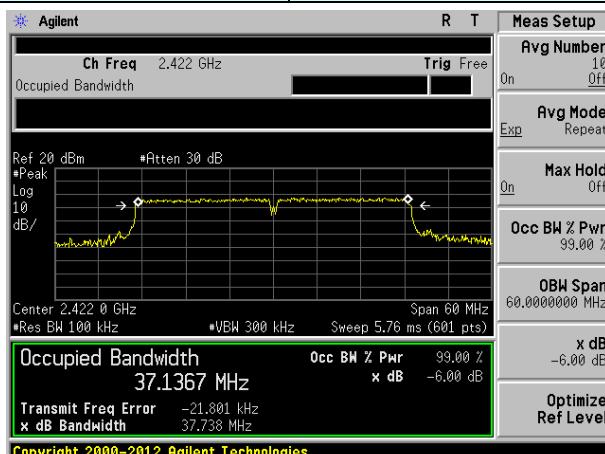
Middle channel



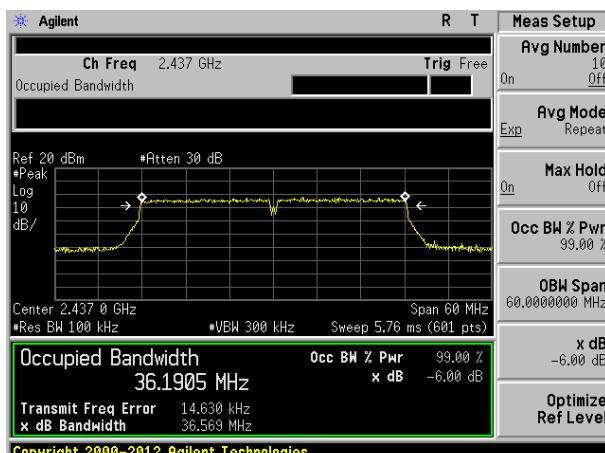
Highest channel

Test mode:

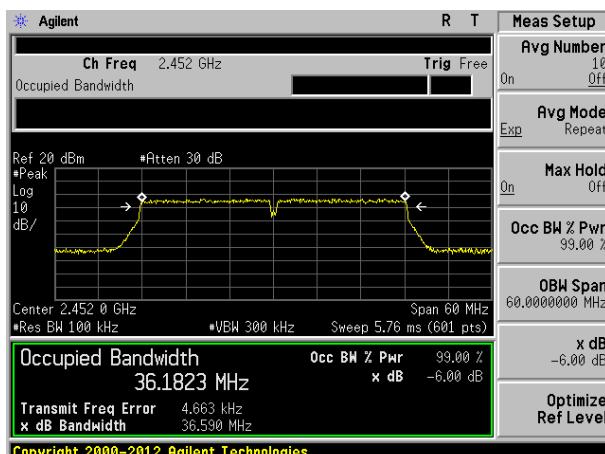
802.11n(HT40)



Lowest channel

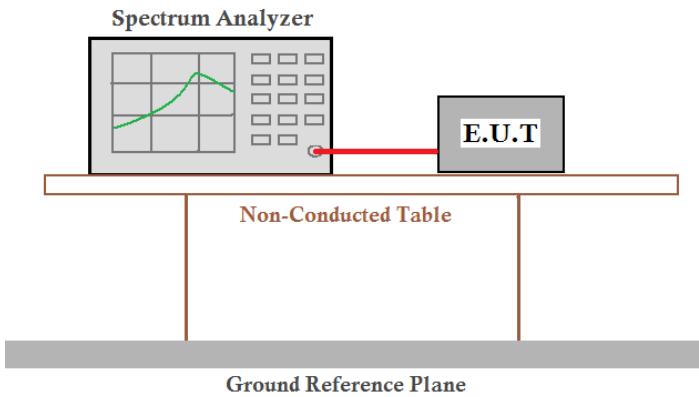


Middle channel



Highest channel

## 7.5 Power Spectral Density

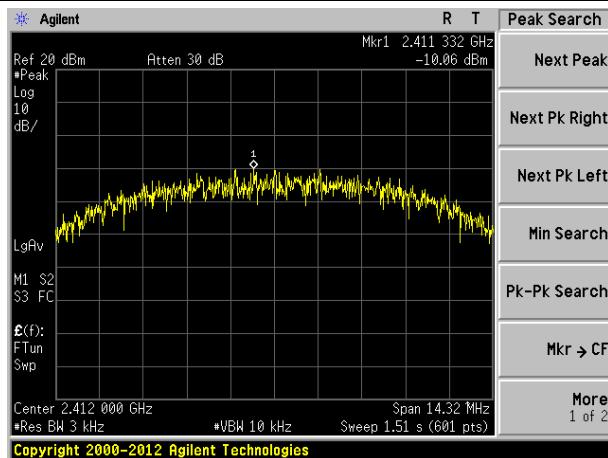
Test Requirement:	FCC Part15 C Section 15.247 (e)		
Test Method:	KDB558074 D01 DTS Meas Guidance V04		
Limit:	8dBm/3kHz		
Test setup:			
Test Instruments:	Refer to section 6.0 for details		
Test mode:	Refer to section 5.2 for details		
Test results:	Pass		

### Measurement Data

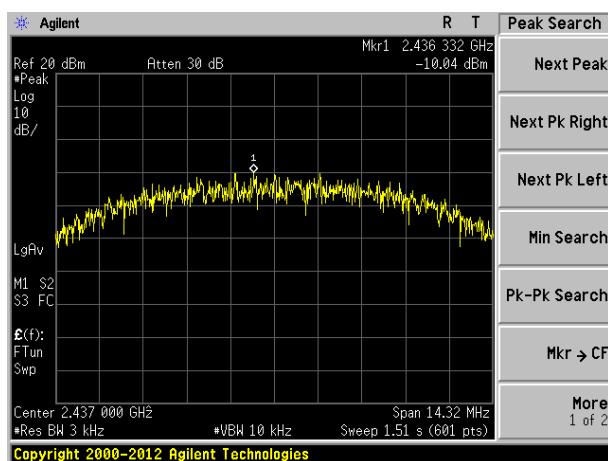
Test CH	Power Spectral Density (dBm)				Limit (dBm/3kHz)	Result
	802.11b	802.11g	802.11n(HT20)	802.11n(HT40)		
Lowest	-10.06	-13.14	-13.30	-11.99	8.00	Pass
Middle	-10.04	-14.12	-14.31	-11.93		
Highest	-10.36	-13.56	-13.60	-15.92		

**Test plot as follows:**

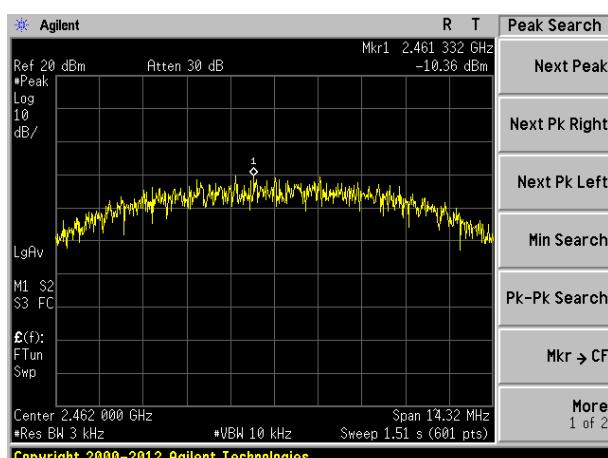
Test mode:	802.11b
------------	---------



Lowest channel

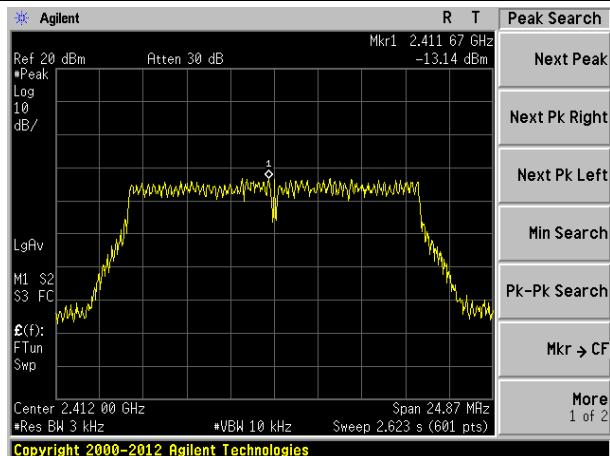


Middle channel

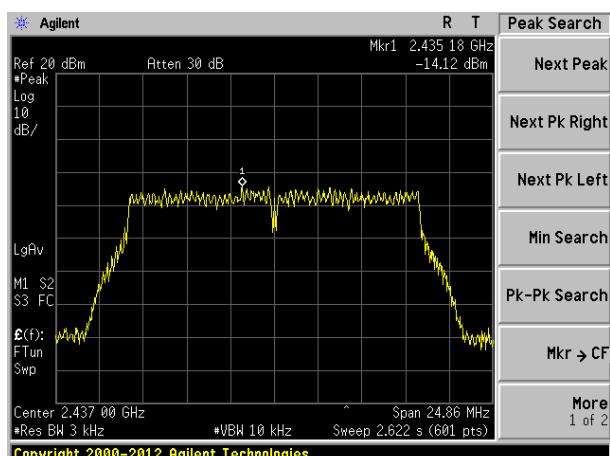


Highest channel

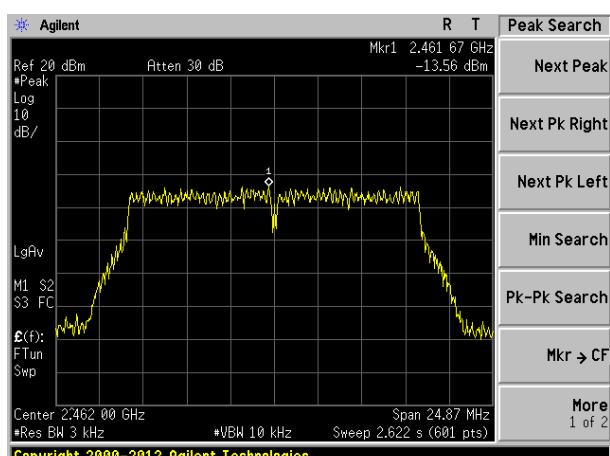
Test mode:	802.11g
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Lowest channel



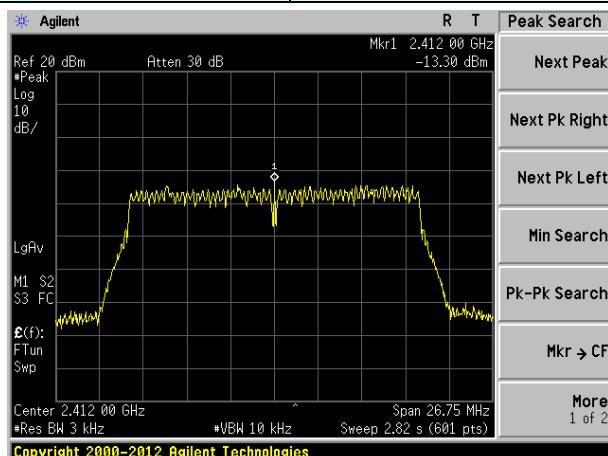
Middle channel



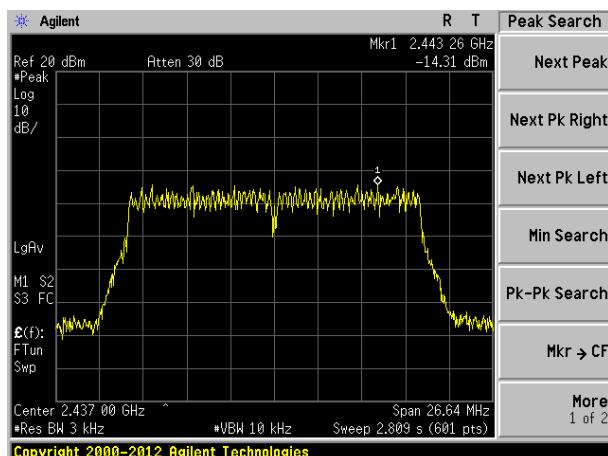
Highest channel

Test mode:

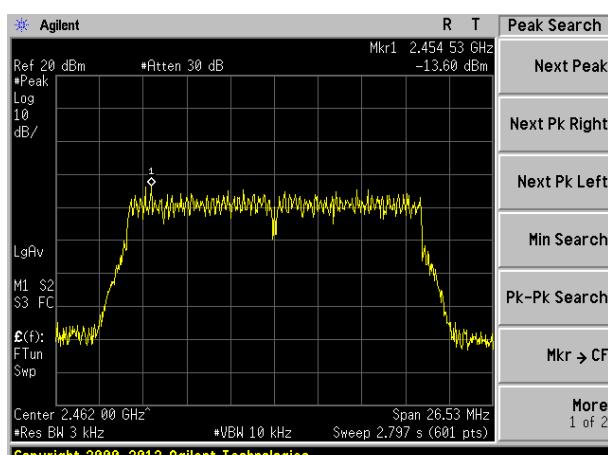
802.11n(HT20)



Lowest channel



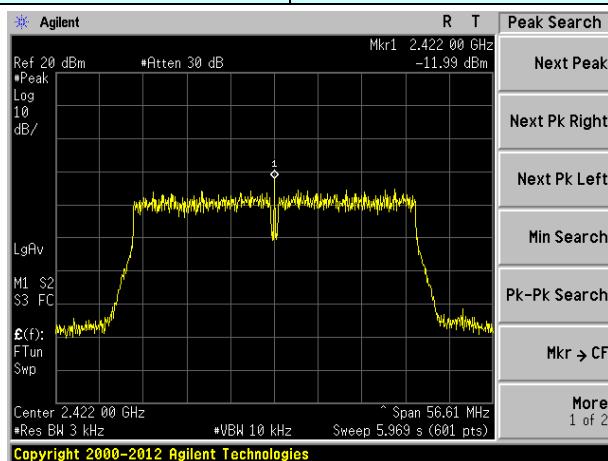
Middle channel



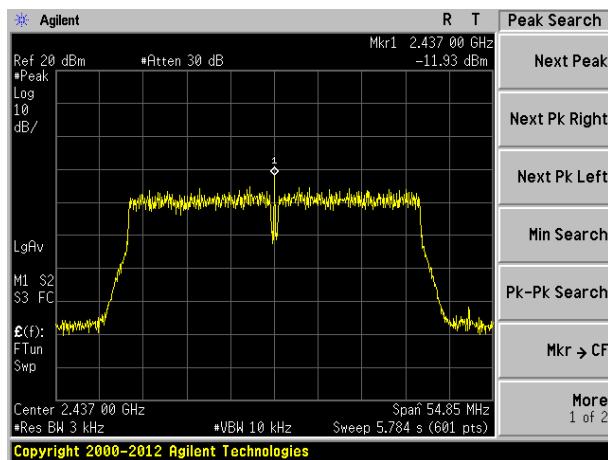
Highest channel

Test mode:

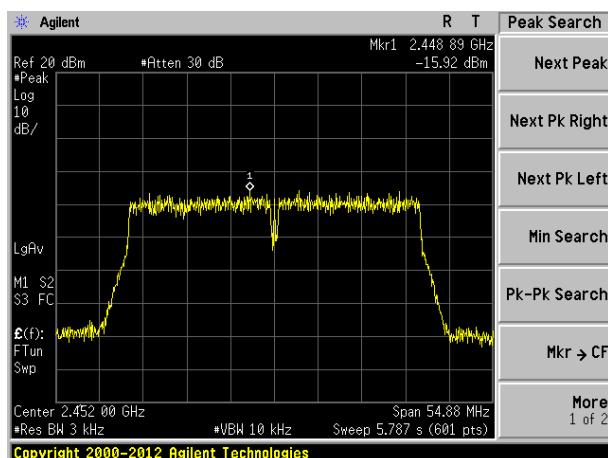
802.11n(HT40)



Lowest channel



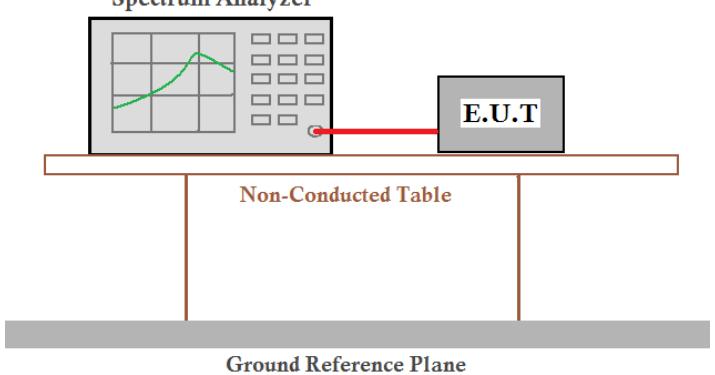
Middle channel

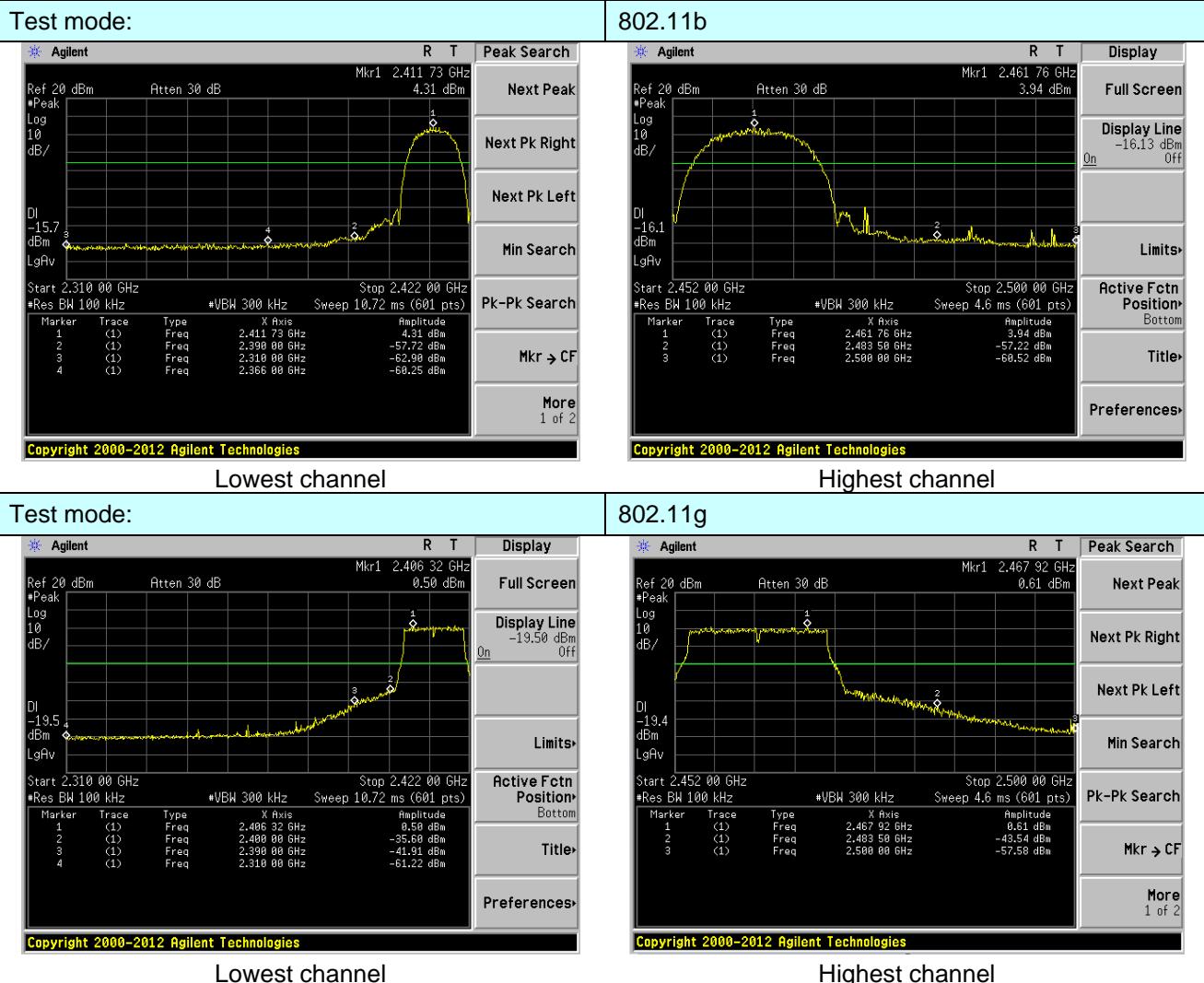


Highest channel

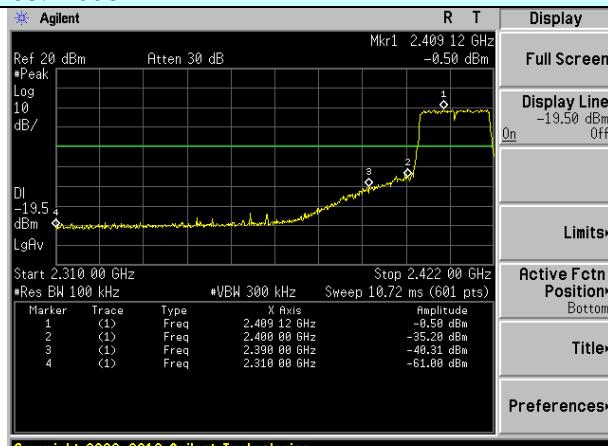
## 7.6 Band edges

### 7.6.1 Conducted Emission Method

Test Requirement:	FCC Part15 C Section 15.247 (d)
Test Method:	KDB558074 D01 DTS Meas Guidance V04
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 style="text-align: center;"><b>Spectrum Analyzer</b></p>  <p style="text-align: center;">Non-Conducted Table</p> <p style="text-align: center;">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

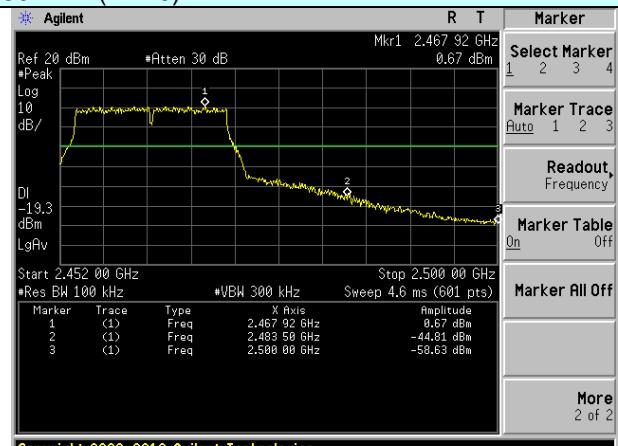
**Test plot as follows:**


## Test mode:



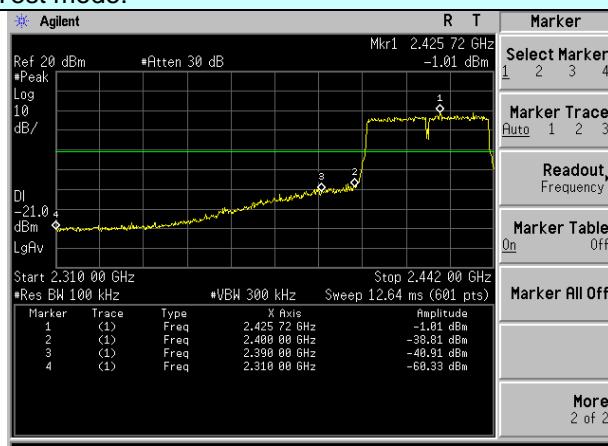
Lowest channel

## 802.11n(HT20)

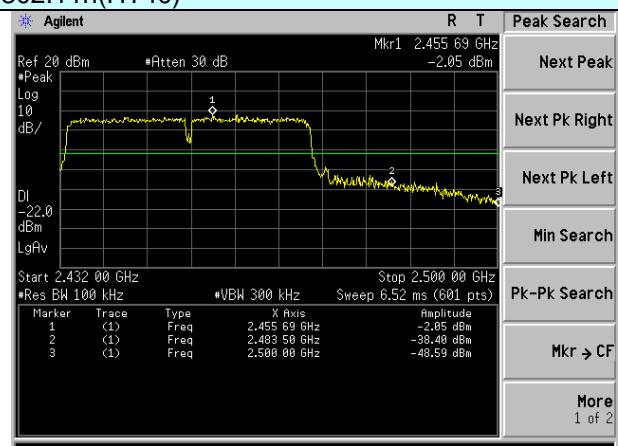


Highest channel

## Test mode:



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	
Limit:	Frequency	Limit (dBuV/m @3m)		Value		
	Above 1GHz	54.00		Average		
Test setup:						
Test Procedure:	<ol style="list-style-type: none"> <li>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.</li> <li>The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.</li> <li>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.</li> <li>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.</li> <li>The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</li> <li>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.</li> <li>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.</li> </ol>					
Test environment:	Temp.:	25 °C	Humid.:	52%	Press.:	1 012mbar

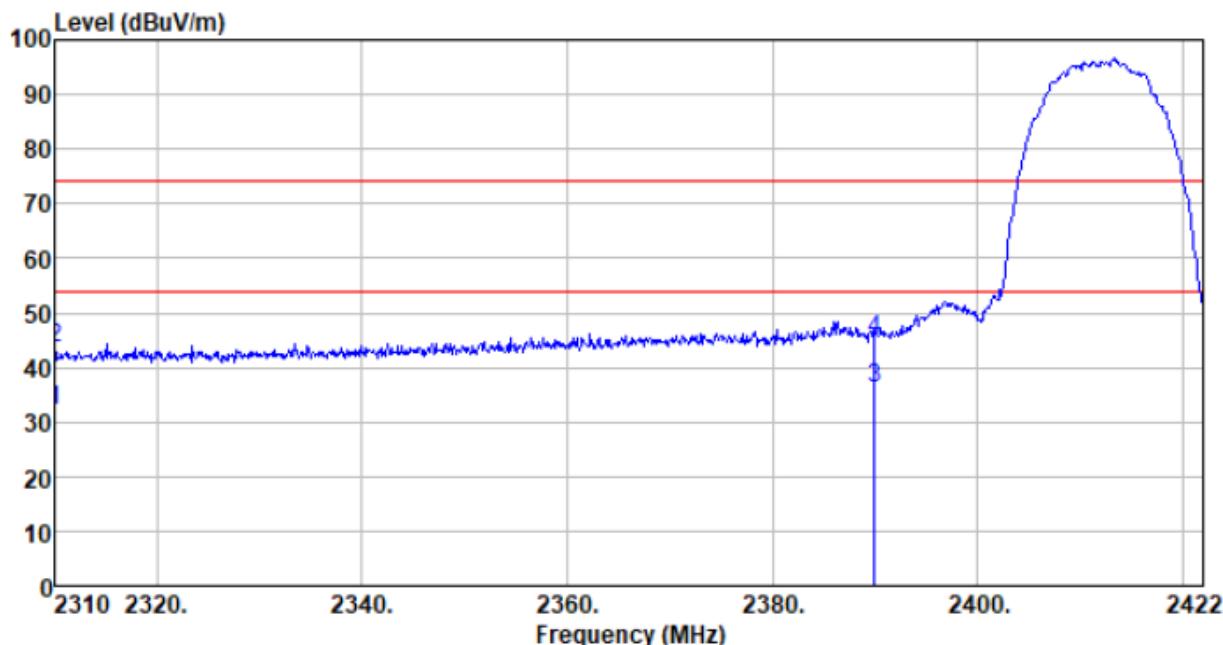
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.2 for details
Test results:	Pass

### Measurement data:

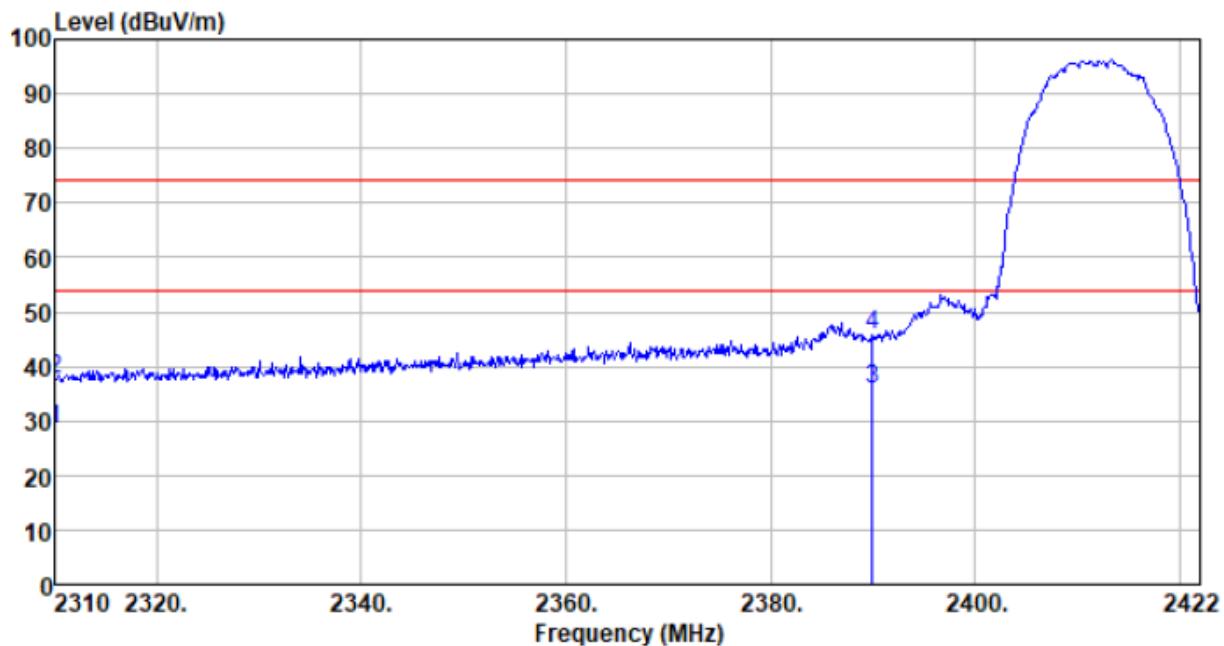
Remark: The pre-test were performed on lowest, middle and highest frequencies, only the worst case's (lowest and highest frequencies) data was showed.

Test mode:	802.11b	Test Frequency:	2412 (MHz)
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### Horizontal:



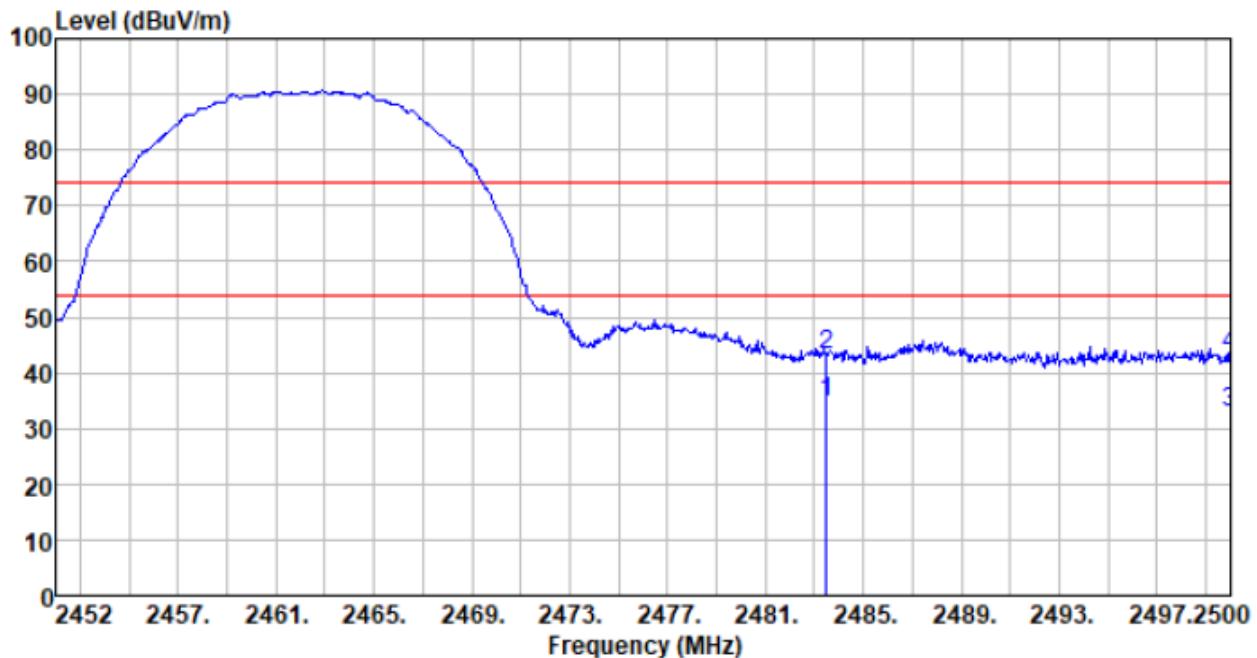
Freq MHz	Reading level dB <sub>UV</sub>	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dB <sub>UV</sub>	Limit level dB <sub>UV</sub> /m	Over limit dB	Remark
2310.000	24.15	27.14	5.30	24.64	31.95	54.00	-22.05	Average
2310.000	35.70	27.14	5.30	24.64	43.50	74.00	-30.50	Peak
2390.000	28.00	27.37	5.38	24.71	36.04	54.00	-17.96	Average
2390.000	37.13	27.37	5.38	24.71	45.17	74.00	-28.83	Peak

**Vertical:**


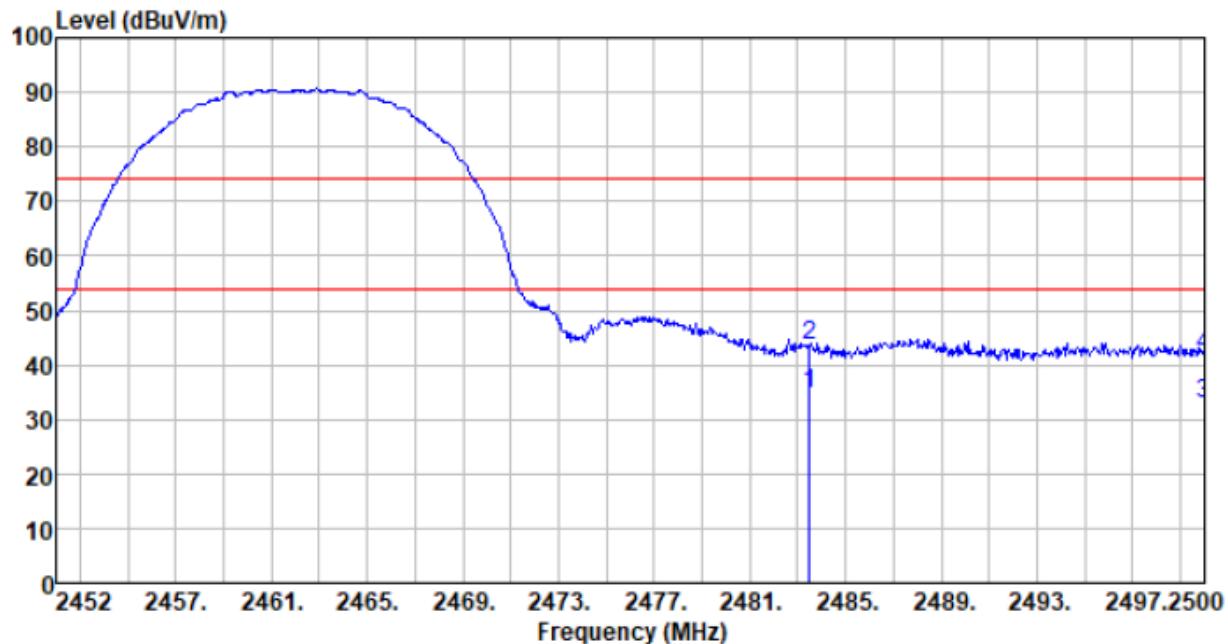
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
2310.000	20.53	27.14	5.30	24.64	28.33	54.00	-25.67	Average
2310.000	29.87	27.14	5.30	24.64	37.67	74.00	-36.33	Peak
2390.000	27.86	27.37	5.38	24.71	35.90	54.00	-18.10	Average
2390.000	37.58	27.37	5.38	24.71	45.62	74.00	-28.38	Peak

Test mode:	802.11b	Test Frequency:	2462 (MHz)
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**Horizontal:**

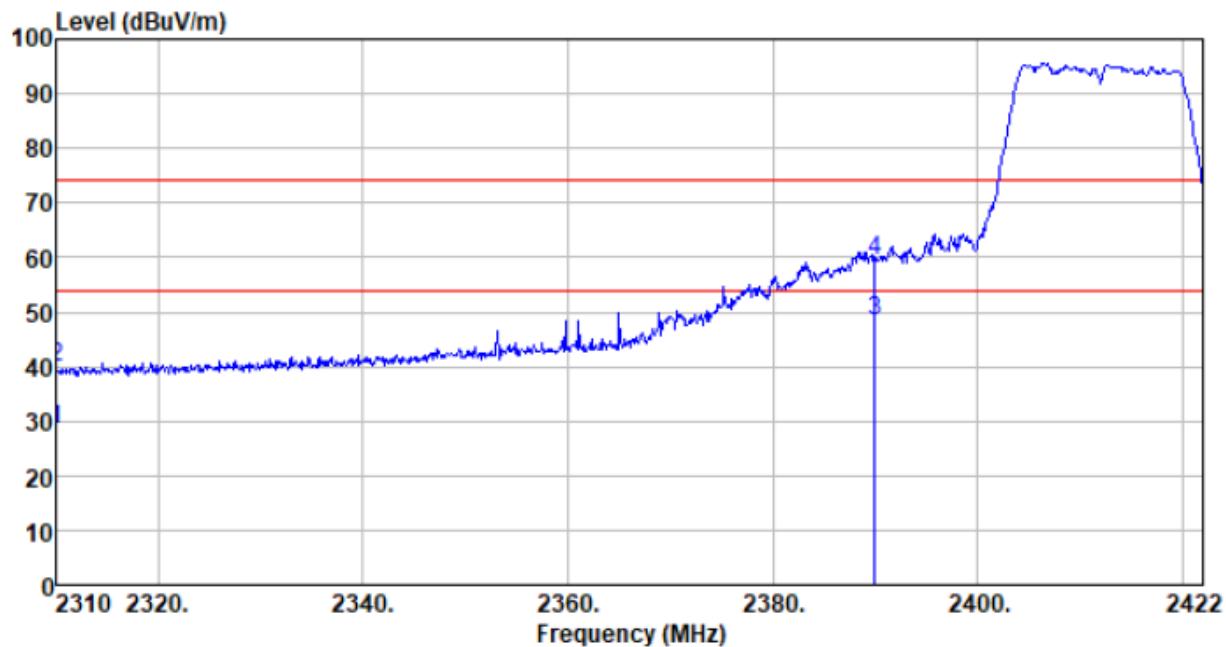


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
2483.500	26.37	27.66	5.47	24.80	34.70	54.00	-19.30	Average
2483.500	34.90	27.66	5.47	24.80	43.23	74.00	-30.77	Peak
2500.000	24.37	27.70	5.49	24.86	32.70	54.00	-21.30	Average
2500.000	34.69	27.70	5.49	24.86	43.02	74.00	-30.98	Peak

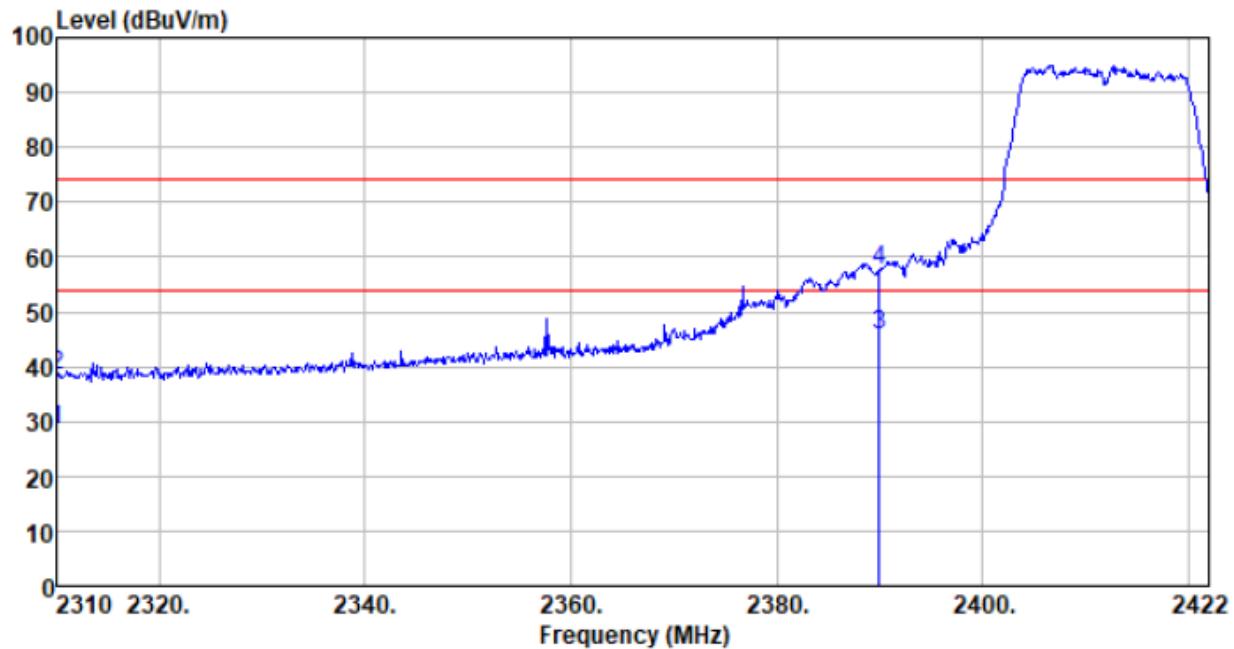
**Vertical:**


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
2483.500	26.24	27.66	5.47	24.80	34.57	54.00	-19.43	Average
2483.500	35.16	27.66	5.47	24.80	43.49	74.00	-30.51	Peak
2500.000	24.62	27.70	5.49	24.86	32.95	54.00	-21.05	Average
2500.000	33.47	27.70	5.49	24.86	41.80	74.00	-32.20	Peak

Test mode:	802.11g	Test Frequency:	2412 (MHz)
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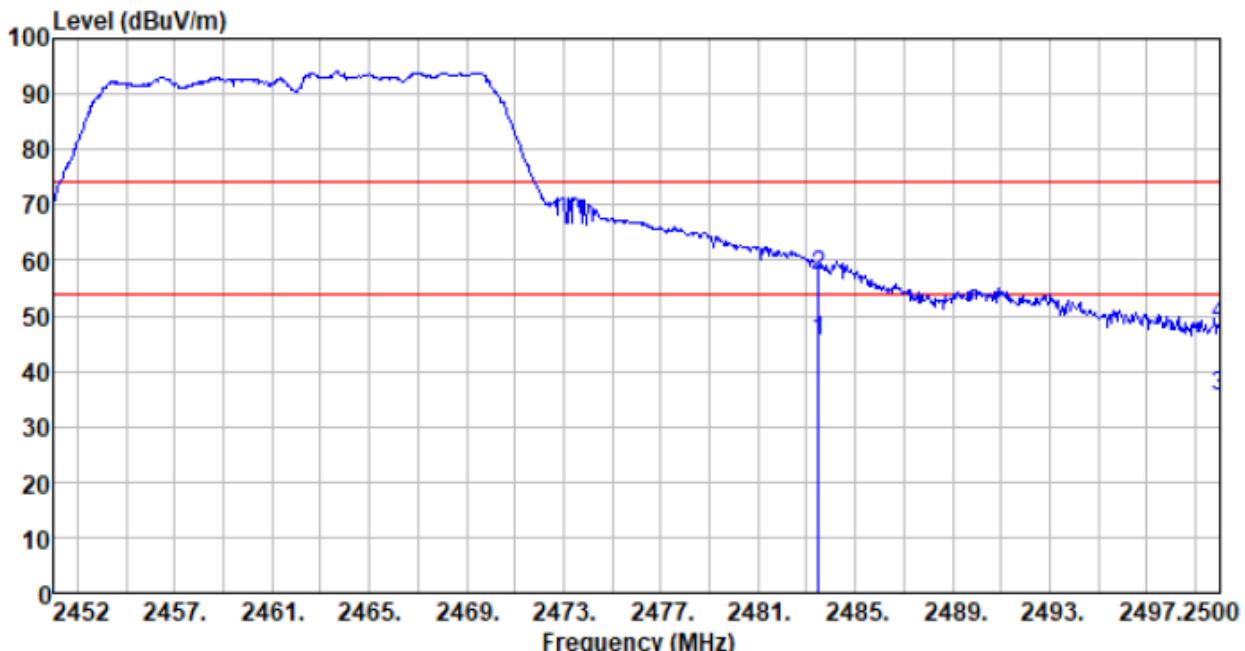
**Horizontal:**


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
2310.000	20.45	27.14	5.30	24.64	28.25	54.00	-25.75	Average
2310.000	31.90	27.14	5.30	24.64	39.70	74.00	-34.30	Peak
2390.000	40.23	27.37	5.38	24.71	48.27	54.00	-5.73	Average
2390.000	51.25	27.37	5.38	24.71	59.29	74.00	-14.71	Peak

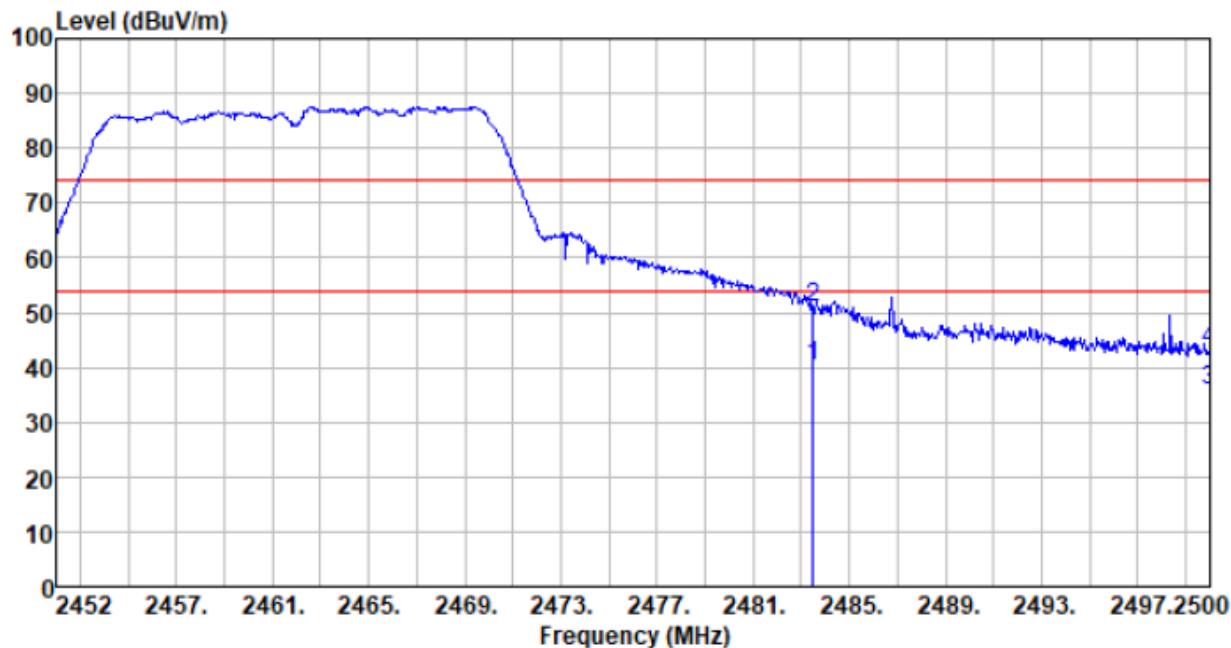
**Vertical:**


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
2310.000	20.61	27.14	5.30	24.64	28.41	54.00	-25.59	Average
2310.000	30.76	27.14	5.30	24.64	38.56	74.00	-35.44	Peak
2390.000	37.58	27.37	5.38	24.71	45.62	54.00	-8.38	Average
2390.000	49.57	27.37	5.38	24.71	57.61	74.00	-16.39	Peak

Test mode:	802.11g	Test Frequency:	2462 (MHz)
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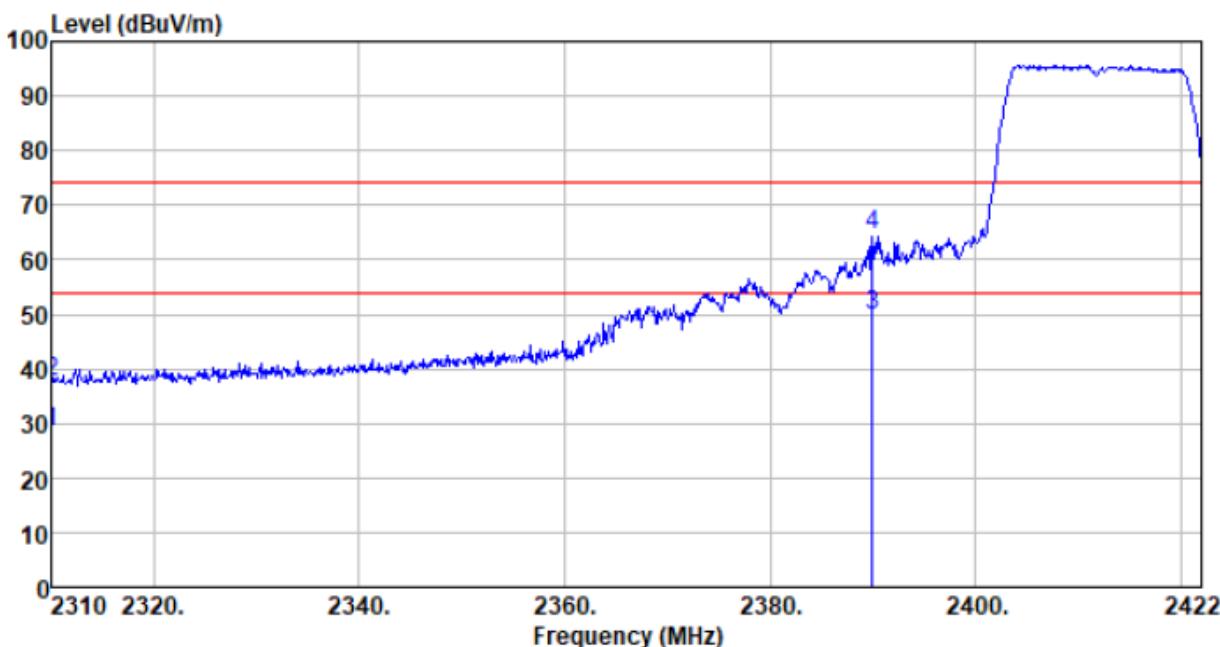
**Horizontal:**


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
2483.500	37.13	27.66	5.47	24.80	45.46	54.00	-8.54	Average
2483.500	48.99	27.66	5.47	24.80	57.32	74.00	-16.68	Peak
2500.000	27.11	27.70	5.49	24.86	35.44	54.00	-18.56	Average
2500.000	39.84	27.70	5.49	24.86	48.17	74.00	-25.83	Peak

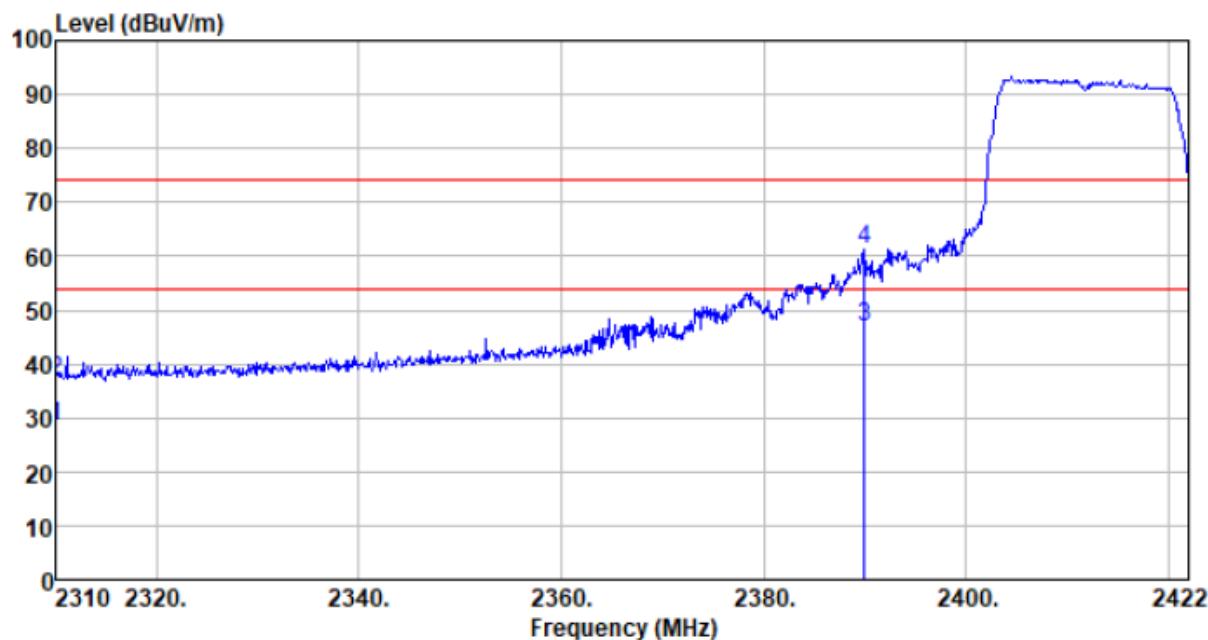
**Vertical:**

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
2483.500	31.75	27.66	5.47	24.80	40.08	54.00	-13.92	Average
2483.500	42.72	27.66	5.47	24.80	51.05	74.00	-22.95	Peak
2500.000	27.46	27.70	5.49	24.86	35.79	54.00	-18.21	Average
2500.000	34.75	27.70	5.49	24.86	43.08	74.00	-30.92	Peak

Test mode:	802.11n(HT20)	Test Frequency:	2412 (MHz)
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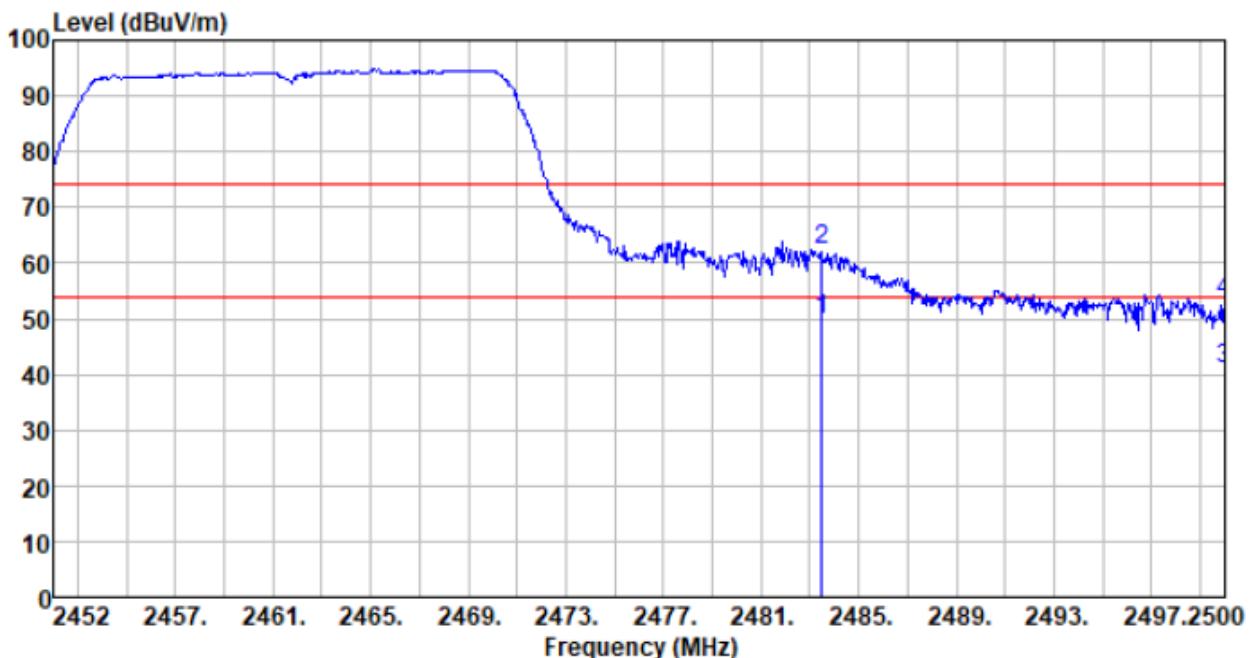
**Horizontal:**


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
2310.000	20.44	27.14	5.30	24.64	28.24	54.00	-25.76	Average
2310.000	29.88	27.14	5.30	24.64	37.68	74.00	-36.32	Peak
2390.000	41.73	27.37	5.38	24.71	49.77	54.00	-4.23	Average
2390.000	56.53	27.37	5.38	24.71	64.57	74.00	-9.43	Peak

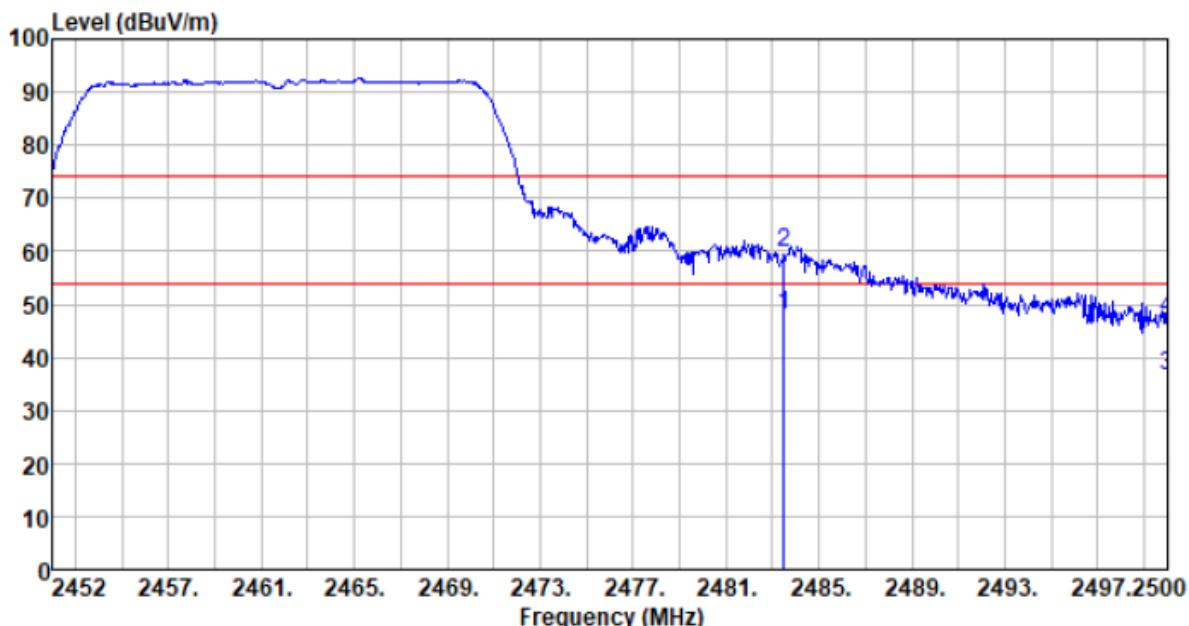
**Vertical:**


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
2310.000	20.75	27.14	5.30	24.64	28.55	54.00	-25.45	Average
2310.000	29.24	27.14	5.30	24.64	37.04	74.00	-36.96	Peak
2390.000	38.95	27.37	5.38	24.71	46.99	54.00	-7.01	Average
2390.000	53.12	27.37	5.38	24.71	61.16	74.00	-12.84	Peak

Test mode:	802.11n(HT20)	Test Frequency:	2462 (MHz)
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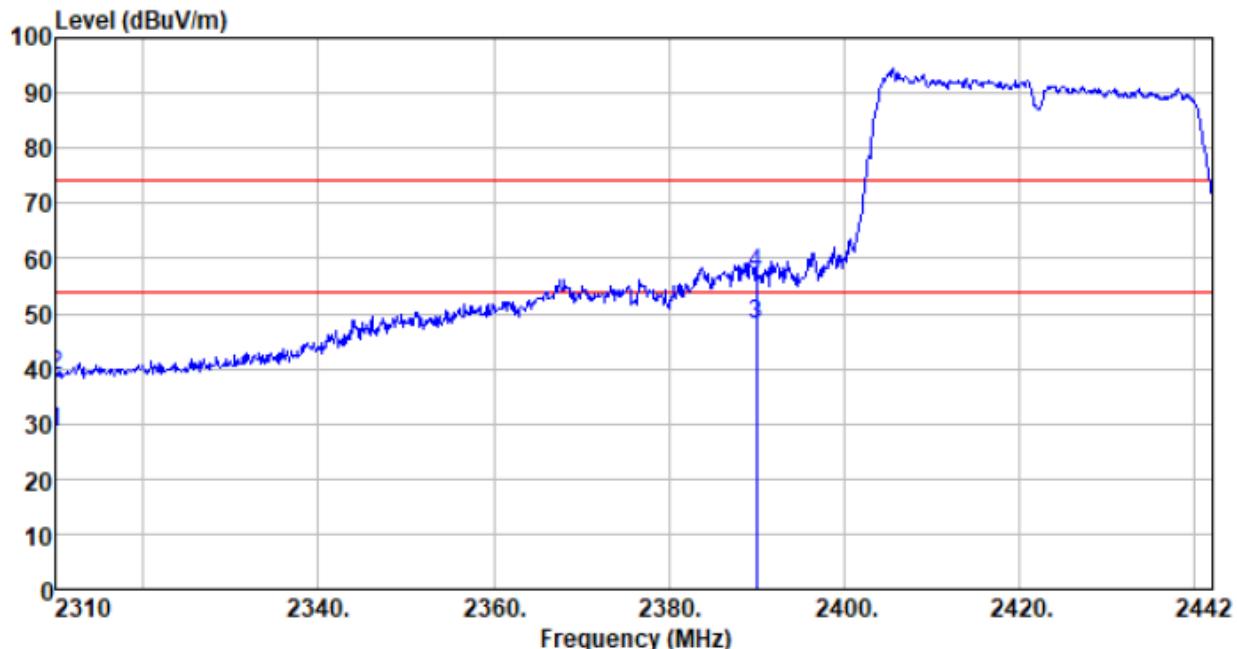
**Horizontal:**


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
2483.500	41.45	27.66	5.47	24.80	49.78	54.00	-4.22	Average
2483.500	53.87	27.66	5.47	24.80	62.20	74.00	-11.80	Peak
2500.000	32.76	27.70	5.49	24.86	41.09	54.00	-12.91	Average
2500.000	44.77	27.70	5.49	24.86	53.10	74.00	-20.90	Peak

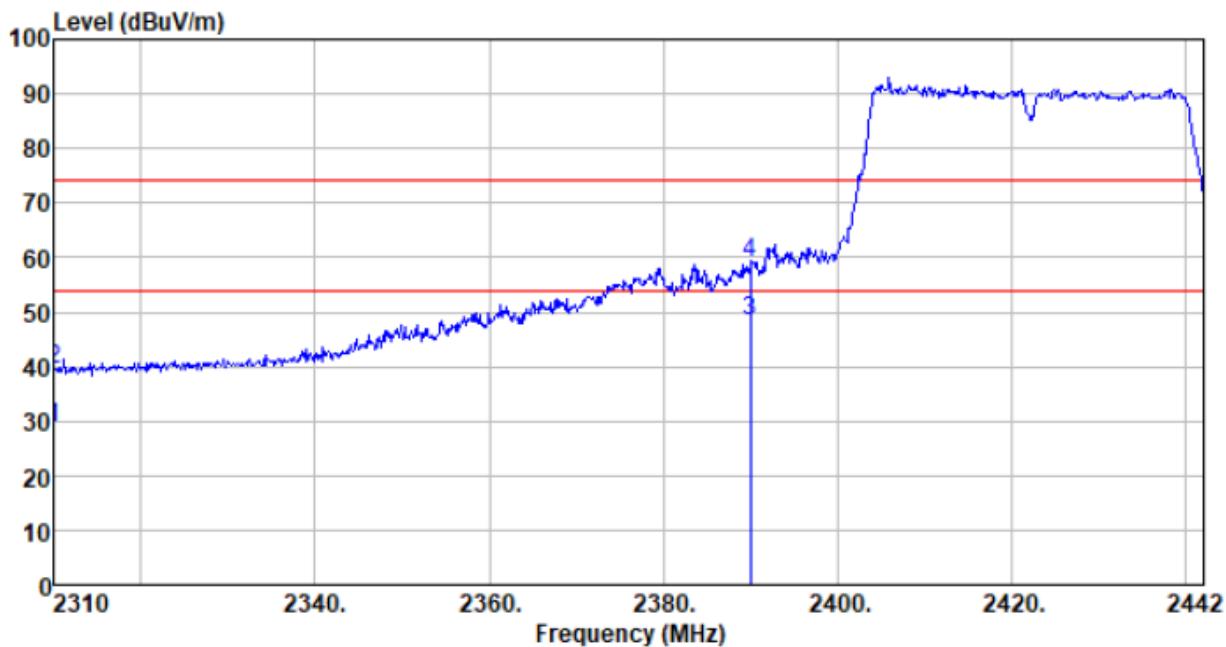
**Vertical:**


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
2483.500	39.67	27.66	5.47	24.80	48.00	54.00	-6.00	Average
2483.500	51.31	27.66	5.47	24.80	59.64	74.00	-14.36	Peak
2500.000	28.13	27.70	5.49	24.86	36.46	54.00	-17.54	Average
2500.000	38.92	27.70	5.49	24.86	47.25	74.00	-26.75	Peak

Test mode:	802.11n(HT40)	Test Frequency:	2422 (MHz)
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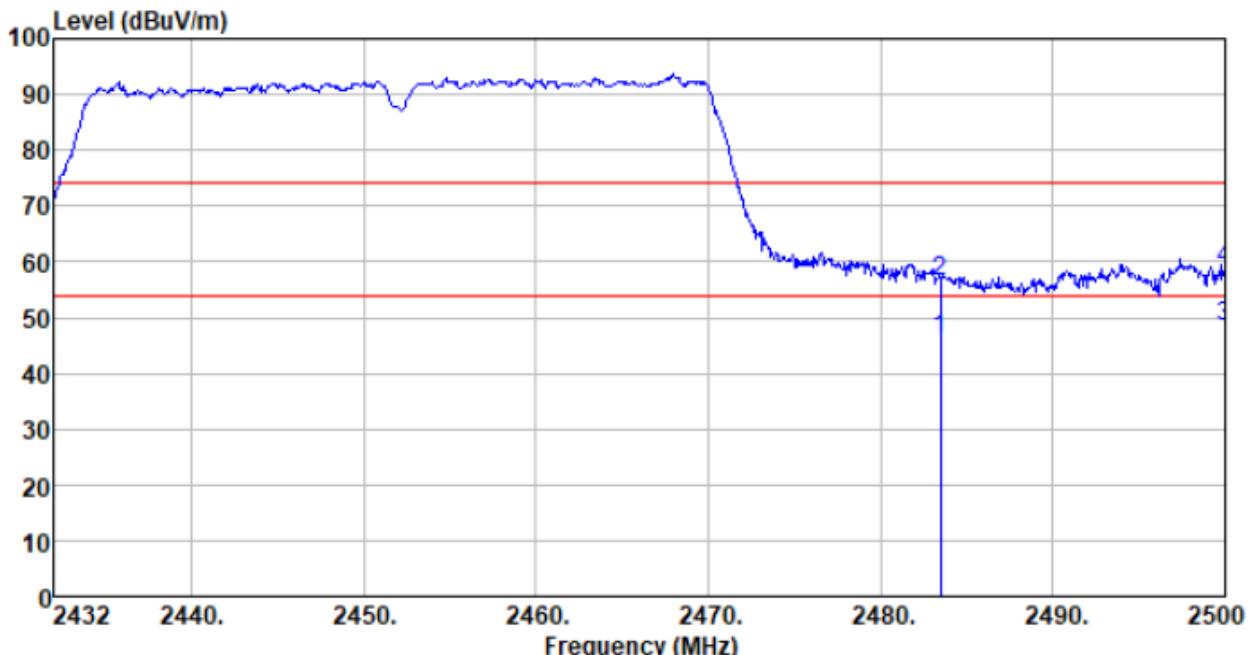
**Horizontal:**


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
2310.000	20.63	27.14	5.30	24.64	28.43	54.00	-25.57	Average
2310.000	30.87	27.14	5.30	24.64	38.67	74.00	-35.33	Peak
2390.000	40.07	27.37	5.38	24.71	48.11	54.00	-5.89	Average
2390.000	49.33	27.37	5.38	24.71	57.37	74.00	-16.63	Peak

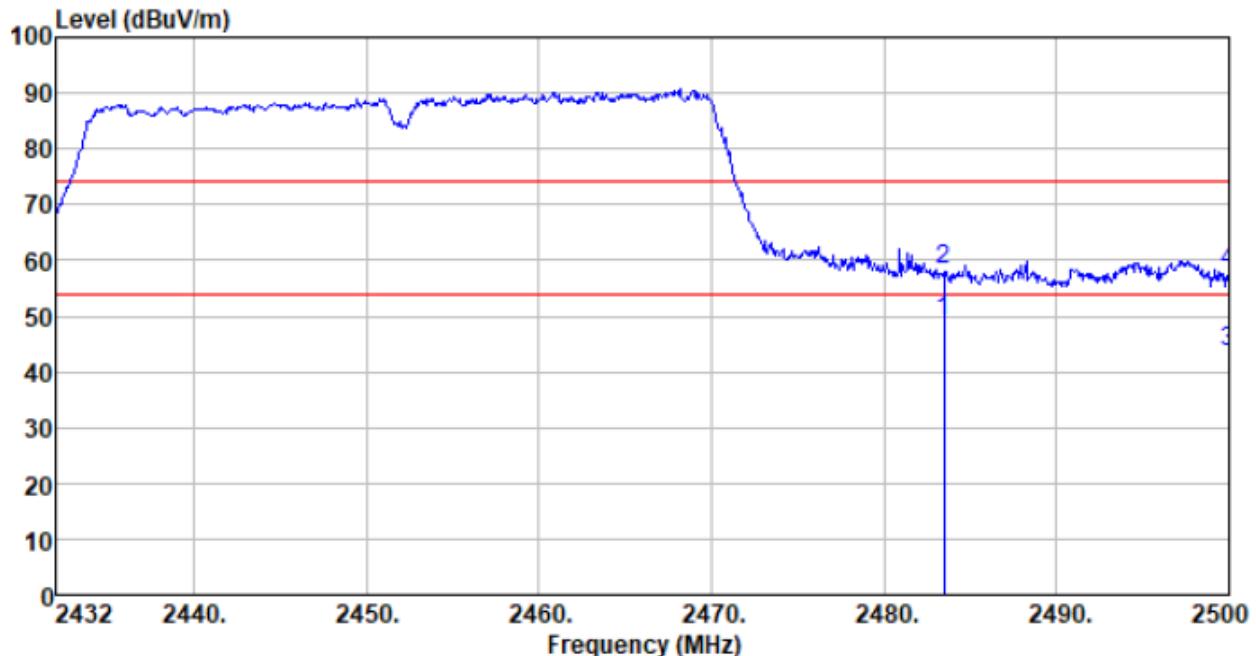
**Vertical:**

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
2310.000	20.97	27.14	5.30	24.64	28.77	54.00	-25.23	Average
2310.000	31.75	27.14	5.30	24.64	39.55	74.00	-34.45	Peak
2390.000	40.30	27.37	5.38	24.71	48.34	54.00	-5.66	Average
2390.000	51.04	27.37	5.38	24.71	59.08	74.00	-14.92	Peak

Test mode:	802.11n(HT40)	Test Frequency:	2452 (MHz)
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**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
2483.500	37.69	27.66	5.47	24.80	46.02	54.00	-7.98	Average
2483.500	48.05	27.66	5.47	24.80	56.38	74.00	-17.62	Peak
2500.000	40.08	27.70	5.49	24.86	48.41	54.00	-5.59	Average
2500.000	50.17	27.70	5.49	24.86	58.50	74.00	-15.50	Peak

**Vertical:**


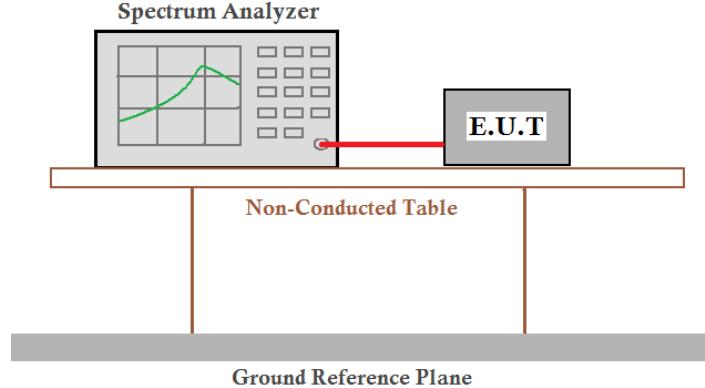
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
2483.500	40.83	27.66	5.47	24.80	49.16	54.00	-4.84	Average
2483.500	50.09	27.66	5.47	24.80	58.42	74.00	-15.58	Peak
2500.000	35.39	27.70	5.49	24.86	43.72	54.00	-10.28	Average
2500.000	49.70	27.70	5.49	24.86	58.03	74.00	-15.97	Peak

**Remark:**

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

## 7.7 Spurious Emission

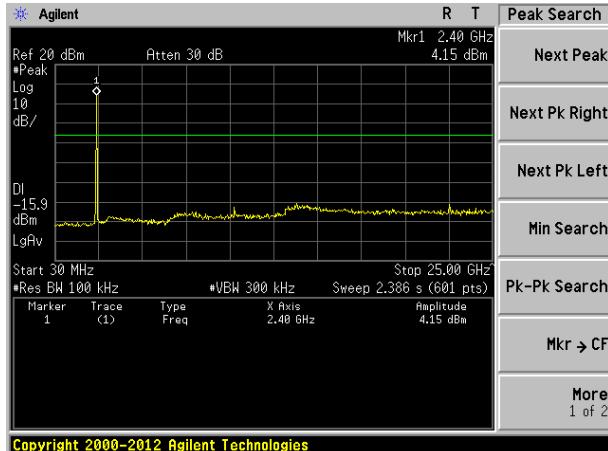
### 7.7.1 Conducted Emission Method

Test Requirement:	FCC Part15 C Section 15.247 (d)
Test Method:	KDB558074 D01 DTS Meas Guidance V04
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:	
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:**

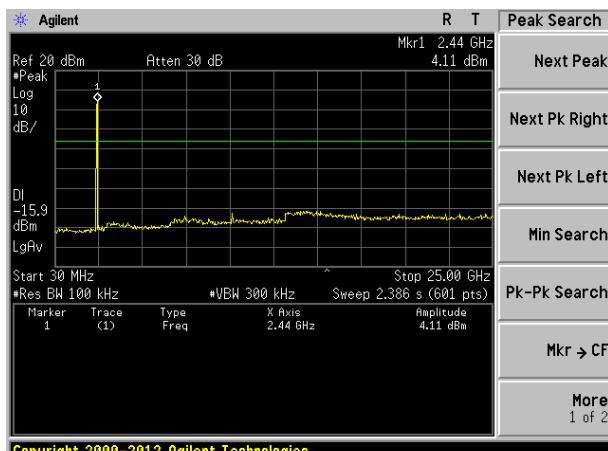
Test mode:	802.11b
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Lowest channel



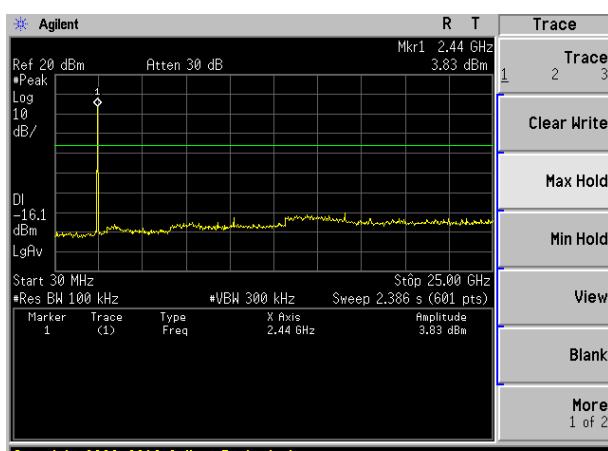
30MHz~25GHz

Middle channel



30MHz~25GHz

Highest channel

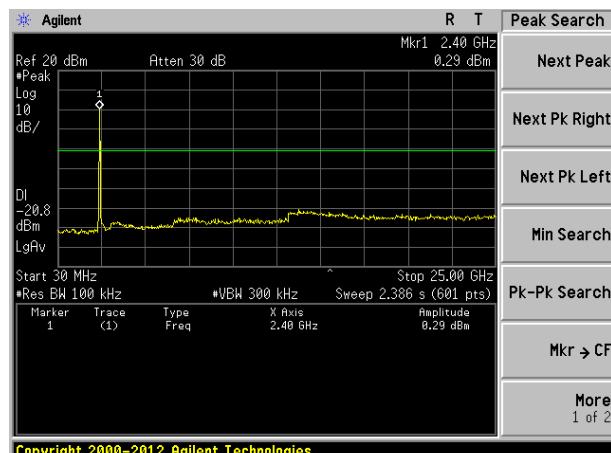


30MHz~25GHz

Test mode:

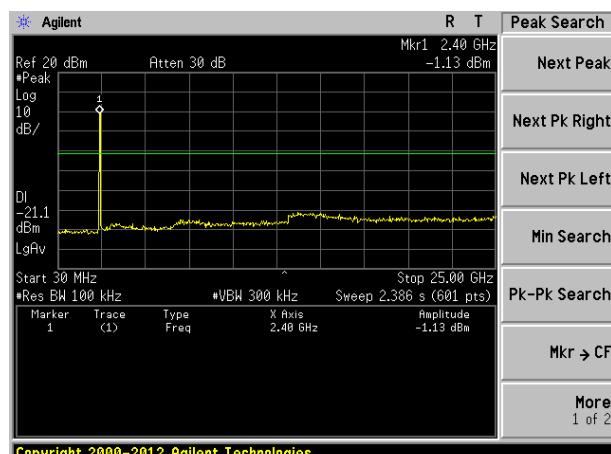
802.11g

Lowest channel



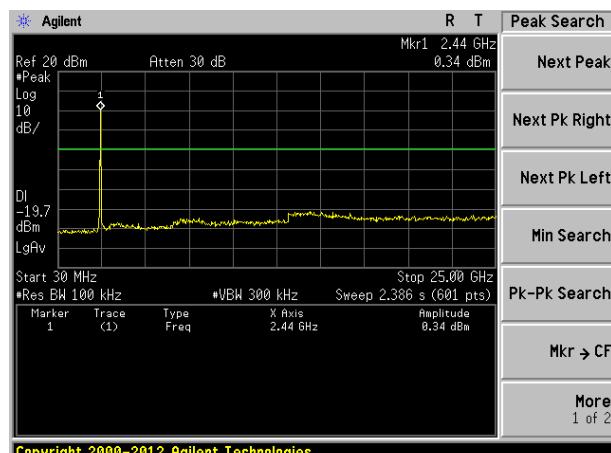
30MHz-25GHz

Middle channel



30MHz-25GHz

Highest channel

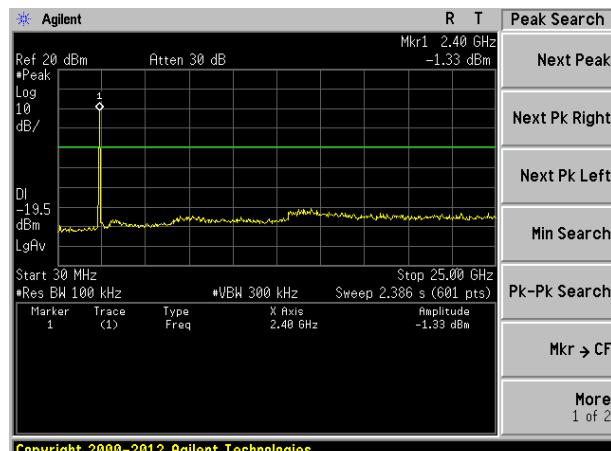


30MHz-25GHz

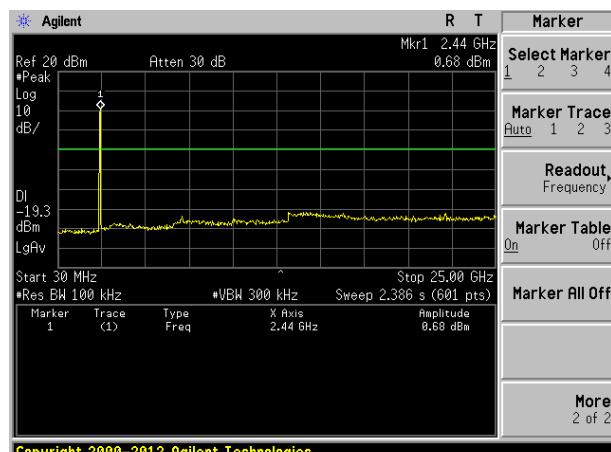
Test mode:

802.11n(HT20)

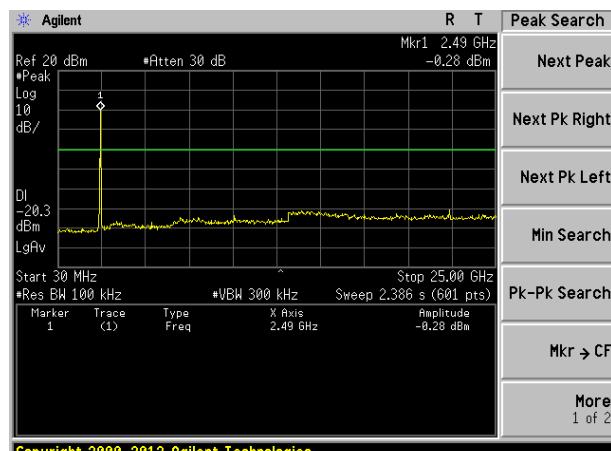
Lowest channel



Middle channel



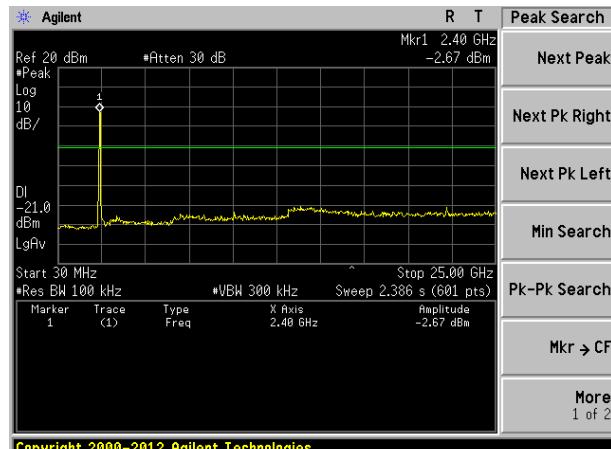
Highest channel



Test mode:

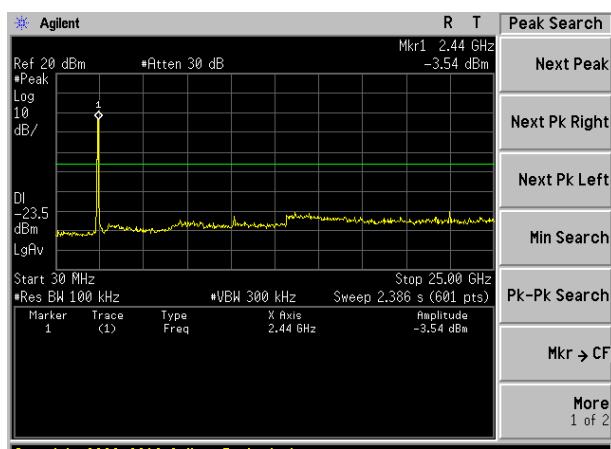
802.11n(HT40)

Lowest channel



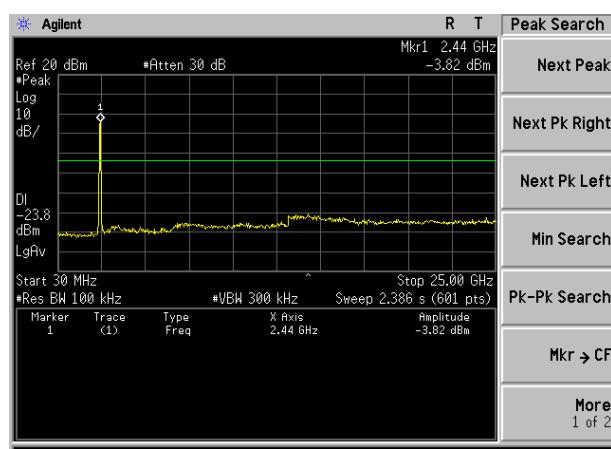
30MHz~25GHz

Middle channel



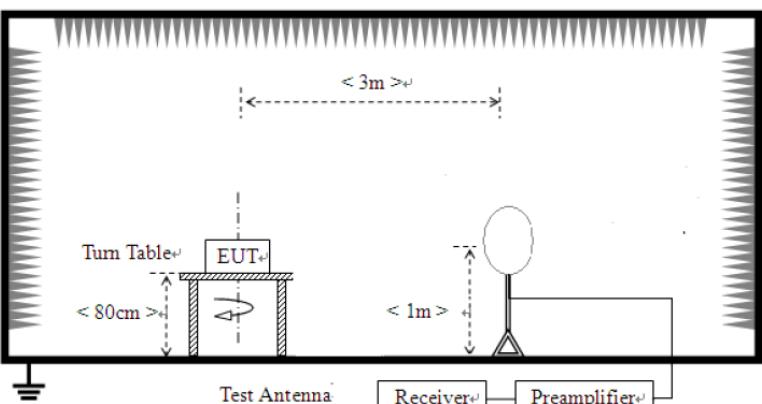
30MHz~25GHz

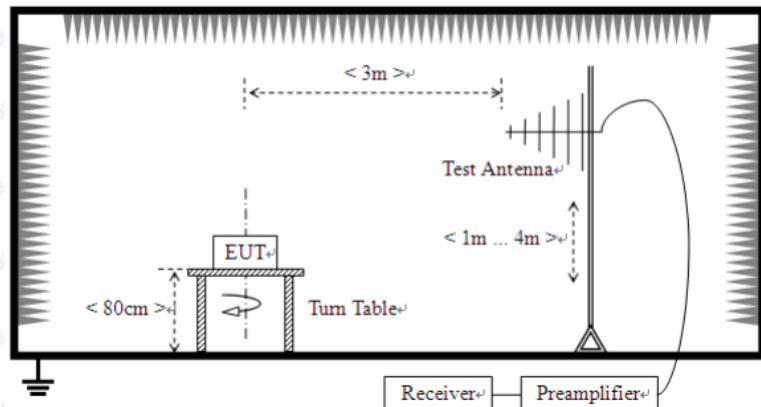
Highest channel



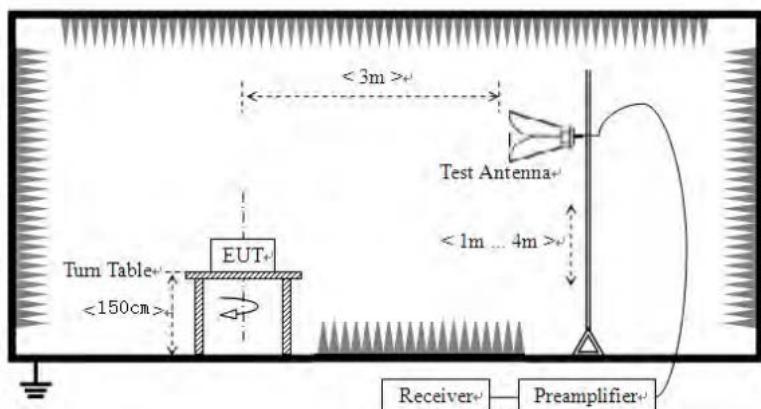
30MHz~25GHz

## 7.7.2 Radiated Emission Method

Test Requirement:	FCC Part15 C Section 15.209						
Test Method:	ANSI C63.10:2013						
Test Frequency Range:	9kHz to 25GHz						
Test site:	Measurement Distance: 3m						
Receiver setup:	Frequency	Detector	RBW	VBW	Value		
	9KHz-150KHz	Quasi-peak	200Hz	600Hz	Quasi-peak		
	150KHz-30MHz	Quasi-peak	9KHz	30KHz	Quasi-peak		
	30MHz-1GHz	Quasi-peak	100KHz	300KHz	Quasi-peak		
	Above 1GHz	Peak	1MHz	3MHz	Peak		
		Peak	1MHz	10Hz	Average		
Limit:	Frequency	Limit (uV/m)	Value	Measurement Distance			
	0.009MHz-0.490MHz	2400/F(KHz)	QP	300m			
	0.490MHz-1.705MHz	24000/F(KHz)	QP	300m			
	1.705MHz-30MHz	30	QP	30m			
	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:	For radiated emissions from 9kHz to 30MHz						
							
	For radiated emissions from 30MHz to1GHz						



For radiated emissions above 1GHz



#### Test Procedure:

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 environment:	Temp.:	25 °C	Humid.:	52%	Press.:	1012mbar
Test Instruments:	Refer to section 6.0 for details					
Test mode:	Refer to section 5.2 for details					
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.*

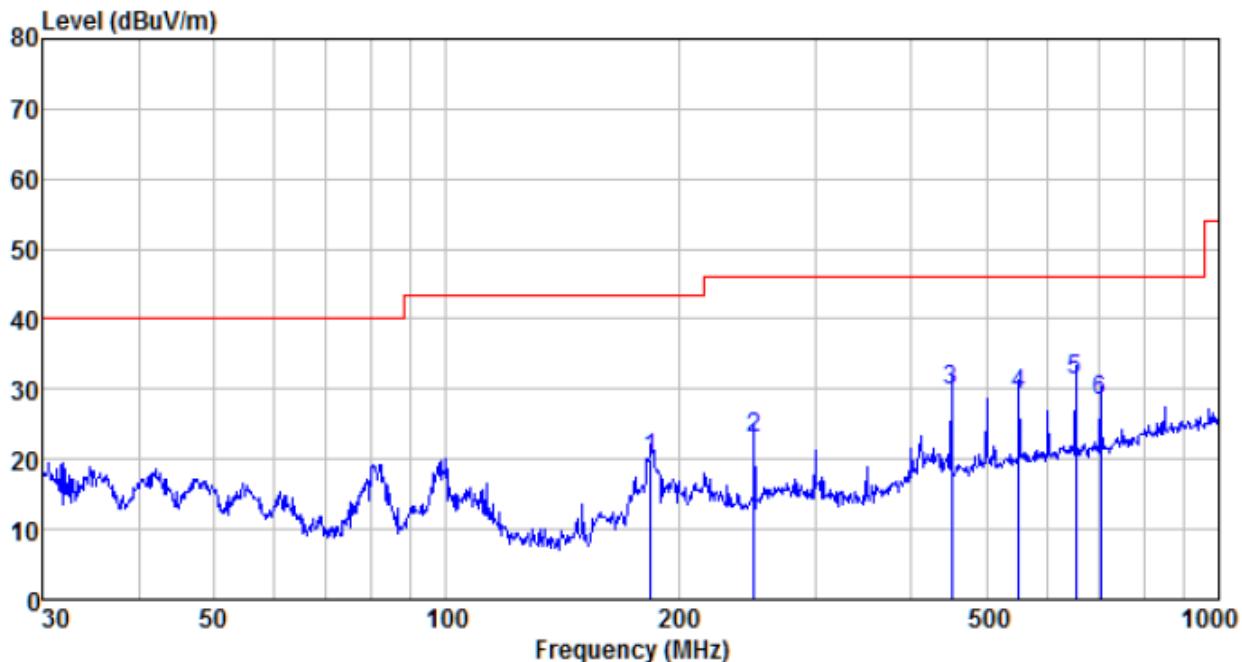
**Measurement data:**

■ **9kHz~30MHz**

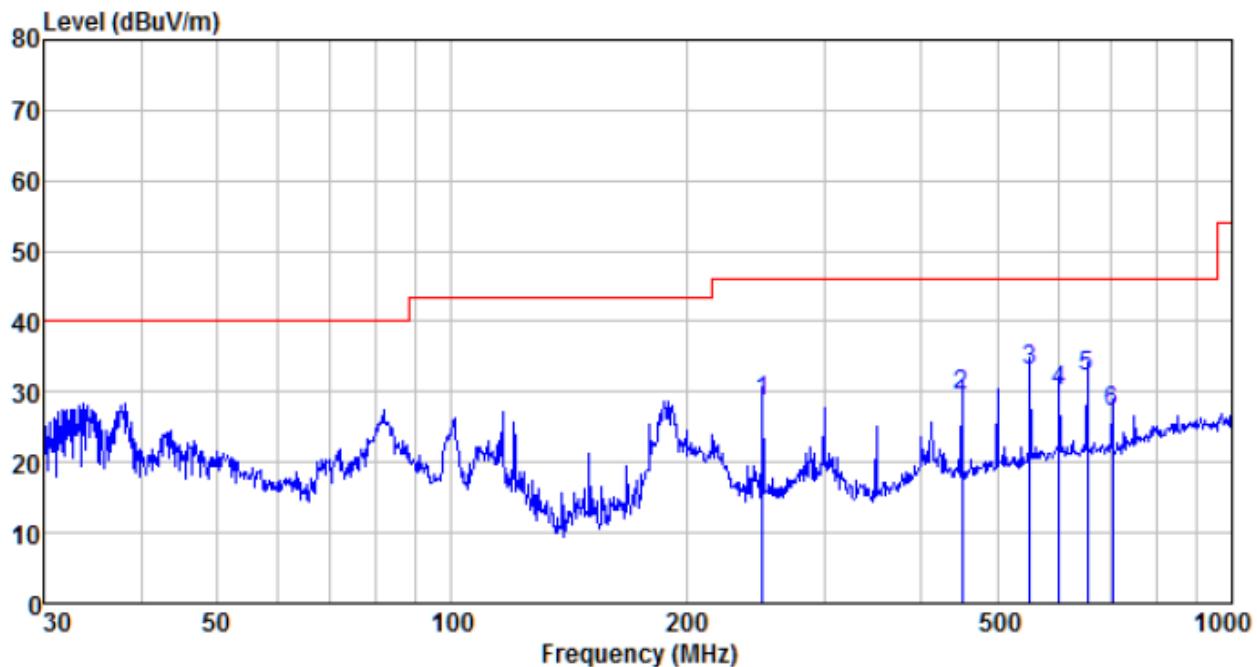
The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

## ■ Below 1GHz

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
183.844	46.21	9.32	1.76	37.26	20.03	43.50	-23.47	QP
250.301	46.05	12.18	2.12	37.38	22.97	46.00	-23.03	QP
451.135	47.83	16.40	3.09	37.51	29.81	46.00	-16.19	QP
550.948	44.77	18.45	3.53	37.53	29.22	46.00	-16.78	QP
651.942	45.43	19.55	3.92	37.59	31.31	46.00	-14.69	QP
701.761	42.25	19.66	4.09	37.63	28.37	46.00	-17.63	QP

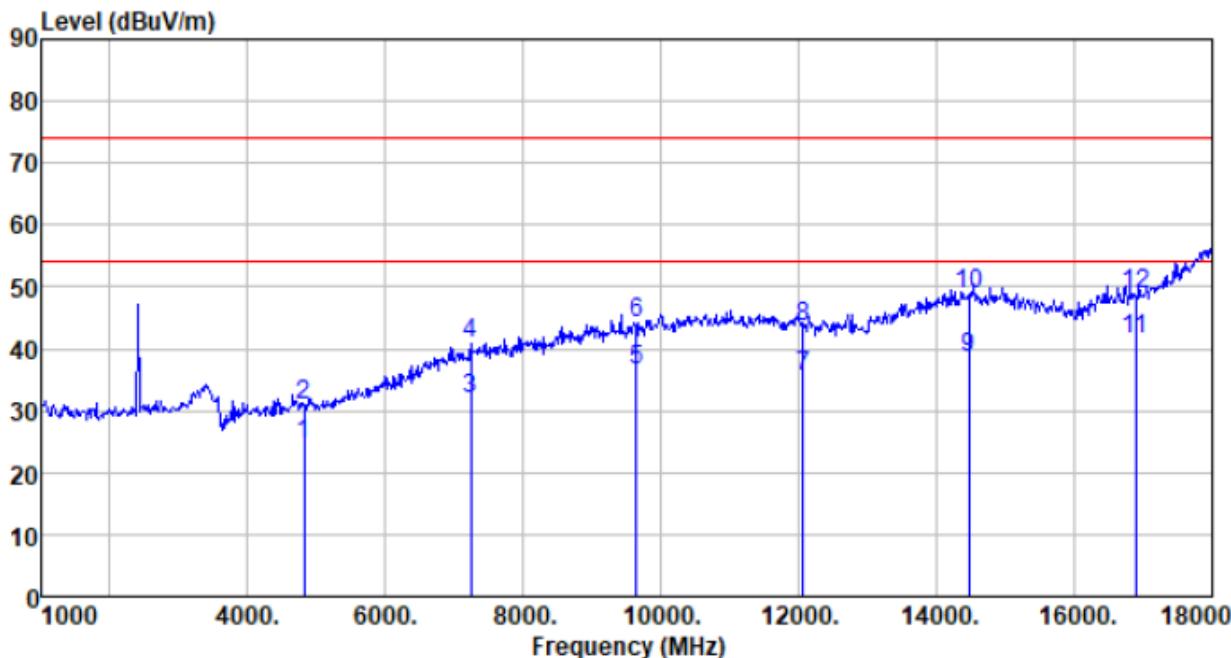
**Vertical:**


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
250.301	51.82	12.18	2.12	37.38	28.74	46.00	-17.26	QP
451.135	47.49	16.40	3.09	37.51	29.47	46.00	-16.53	QP
550.948	48.51	18.45	3.53	37.53	32.96	46.00	-13.04	QP
601.427	44.41	19.50	3.73	37.54	30.10	46.00	-15.90	QP
651.942	46.26	19.55	3.92	37.59	32.14	46.00	-13.86	QP
701.761	40.91	19.66	4.09	37.63	27.03	46.00	-18.97	QP

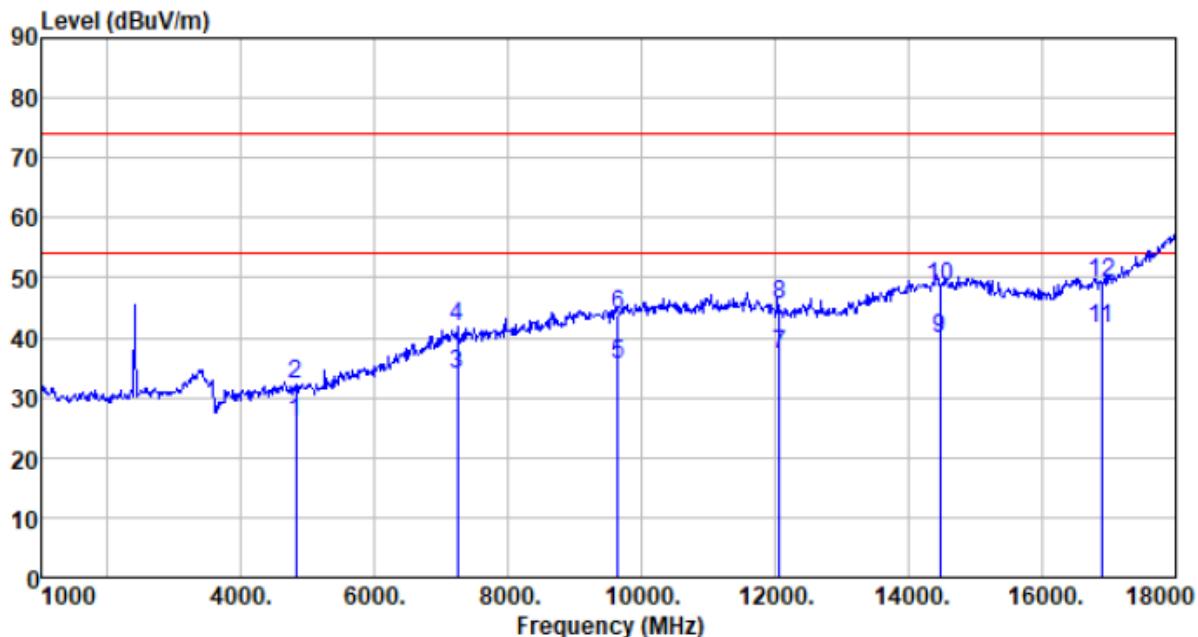
## ■ Above 1GHz

Test mode:	802.11b	Test Frequency:	2412 (MHz)
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### Horizontal:

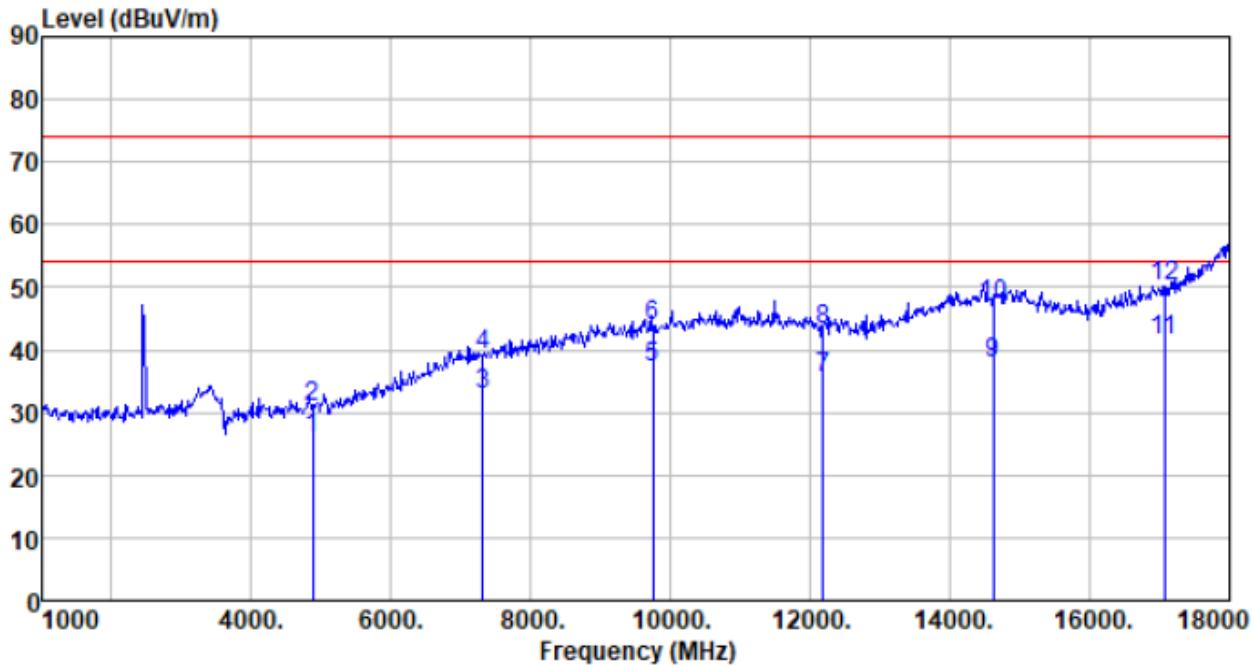


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
4824.000	22.63	31.22	8.61	37.73	24.73	54.00	-29.27	Average
4824.000	28.77	31.22	8.61	37.73	30.87	74.00	-43.13	Peak
7236.000	19.47	36.25	11.68	35.62	31.78	54.00	-22.22	Average
7236.000	28.48	36.25	11.68	35.62	40.79	74.00	-33.21	Peak
9648.000	19.34	37.97	14.16	34.95	36.52	54.00	-17.48	Average
9648.000	27.03	37.97	14.16	34.95	44.21	74.00	-29.79	Peak
12060.000	18.21	38.51	15.05	36.22	35.55	54.00	-18.45	Average
12060.000	26.04	38.51	15.05	36.22	43.38	74.00	-30.62	Peak
14472.000	15.79	41.50	17.19	36.00	38.48	54.00	-15.52	Average
14472.000	26.08	41.50	17.19	36.00	48.77	74.00	-25.23	Peak
16884.000	19.20	39.62	18.88	36.21	41.49	54.00	-12.51	Average
16884.000	26.62	39.62	18.88	36.21	48.91	74.00	-25.09	Peak

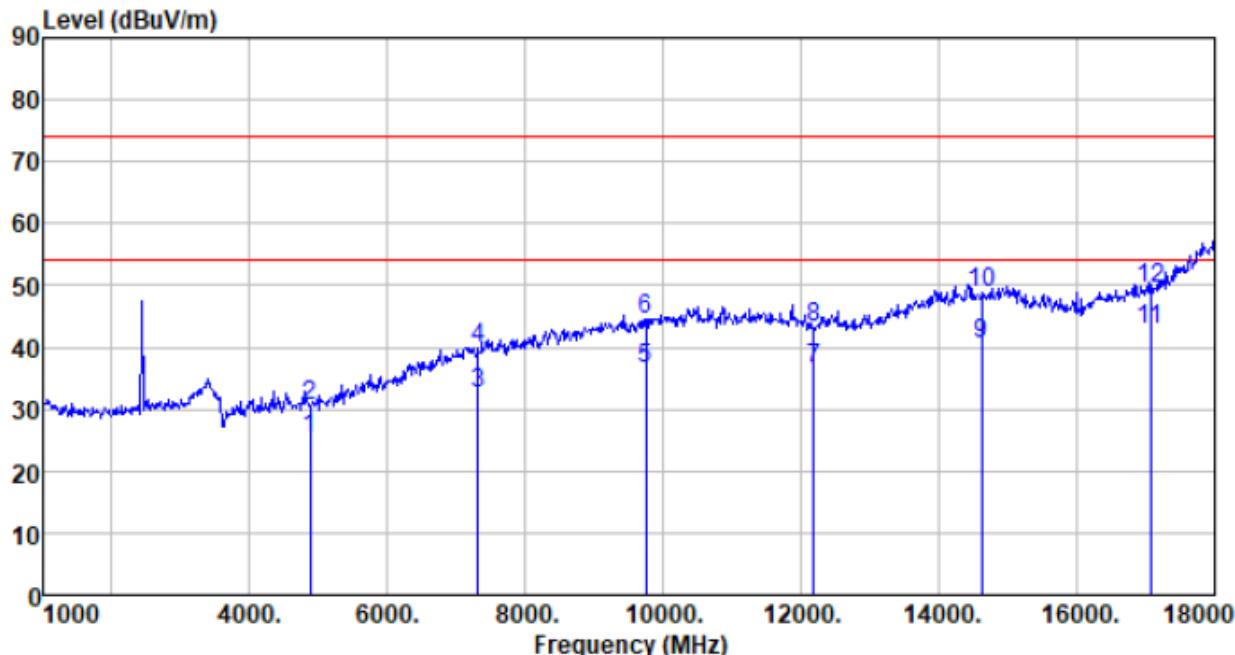
**Vertical:**


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Limit level dBuV	Over limit dB	Remark
4824.000	23.95	31.22	8.61	37.73	26.05	54.00	-27.95 Average
4824.000	30.04	31.22	8.61	37.73	32.14	74.00	-41.86 Peak
7236.000	21.41	36.25	11.68	35.62	33.72	54.00	-20.28 Average
7236.000	29.49	36.25	11.68	35.62	41.80	74.00	-32.20 Peak
9648.000	18.39	37.97	14.16	34.95	35.57	54.00	-18.43 Average
9648.000	26.53	37.97	14.16	34.95	43.71	74.00	-30.29 Peak
12060.000	20.01	38.51	15.05	36.22	37.35	54.00	-16.65 Average
12060.000	28.09	38.51	15.05	36.22	45.43	74.00	-28.57 Peak
14472.000	17.31	41.50	17.19	36.00	40.00	54.00	-14.00 Average
14472.000	25.94	41.50	17.19	36.00	48.63	74.00	-25.37 Peak
16884.000	19.37	39.62	18.88	36.21	41.66	54.00	-12.34 Average
16884.000	26.83	39.62	18.88	36.21	49.12	74.00	-24.88 Peak

Test mode:	802.11b	Test Frequency:	2437 (MHz)
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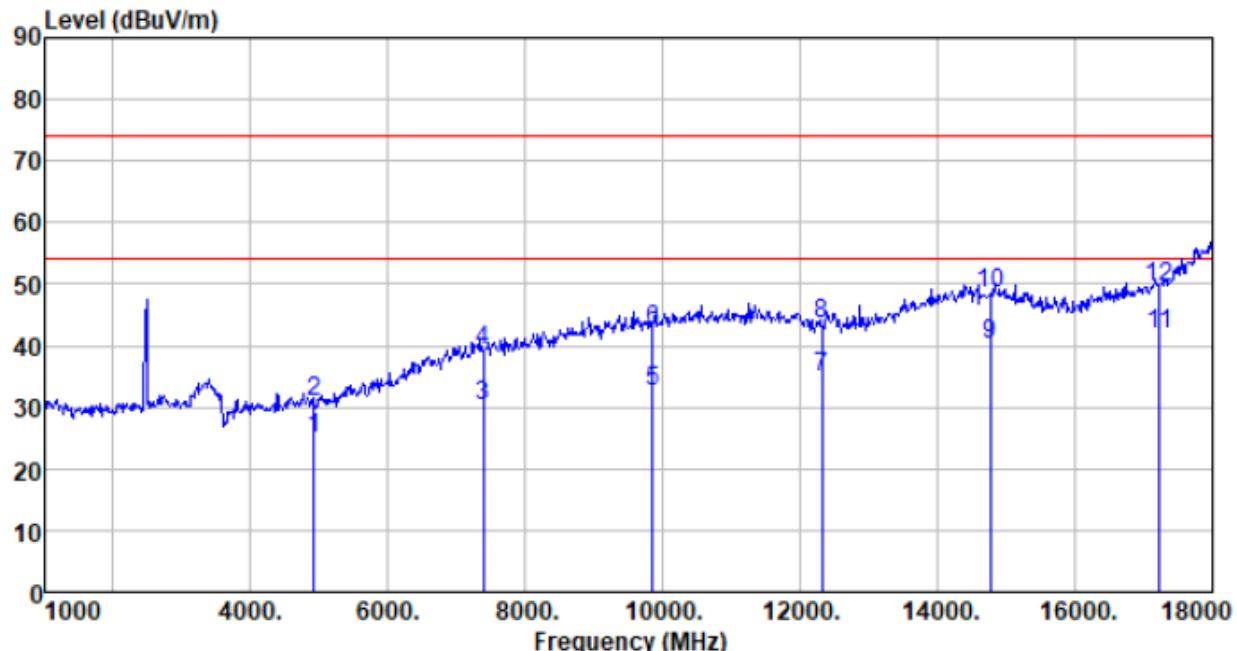
**Horizontal:**


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
4874.000	23.69	31.31	8.66	37.75	25.91	54.00	-28.09	Average
4874.000	28.56	31.31	8.66	37.75	30.78	74.00	-43.22	Peak
7311.000	20.46	36.39	11.71	35.60	32.96	54.00	-21.04	Average
7311.000	26.54	36.39	11.71	35.60	39.04	74.00	-34.96	Peak
9748.000	19.73	38.10	14.25	35.03	37.05	54.00	-16.95	Average
9748.000	26.45	38.10	14.25	35.03	43.77	74.00	-30.23	Peak
12185.000	18.02	38.57	15.14	36.31	35.42	54.00	-18.58	Average
12185.000	25.90	38.57	15.14	36.31	43.30	74.00	-30.70	Peak
14622.000	15.18	41.20	17.26	35.83	37.81	54.00	-16.19	Average
14622.000	24.55	41.20	17.26	35.83	47.18	74.00	-26.82	Peak
17059.000	18.72	39.96	18.99	36.29	41.38	54.00	-12.62	Average
17059.000	27.37	39.96	18.99	36.29	50.03	74.00	-23.97	Peak

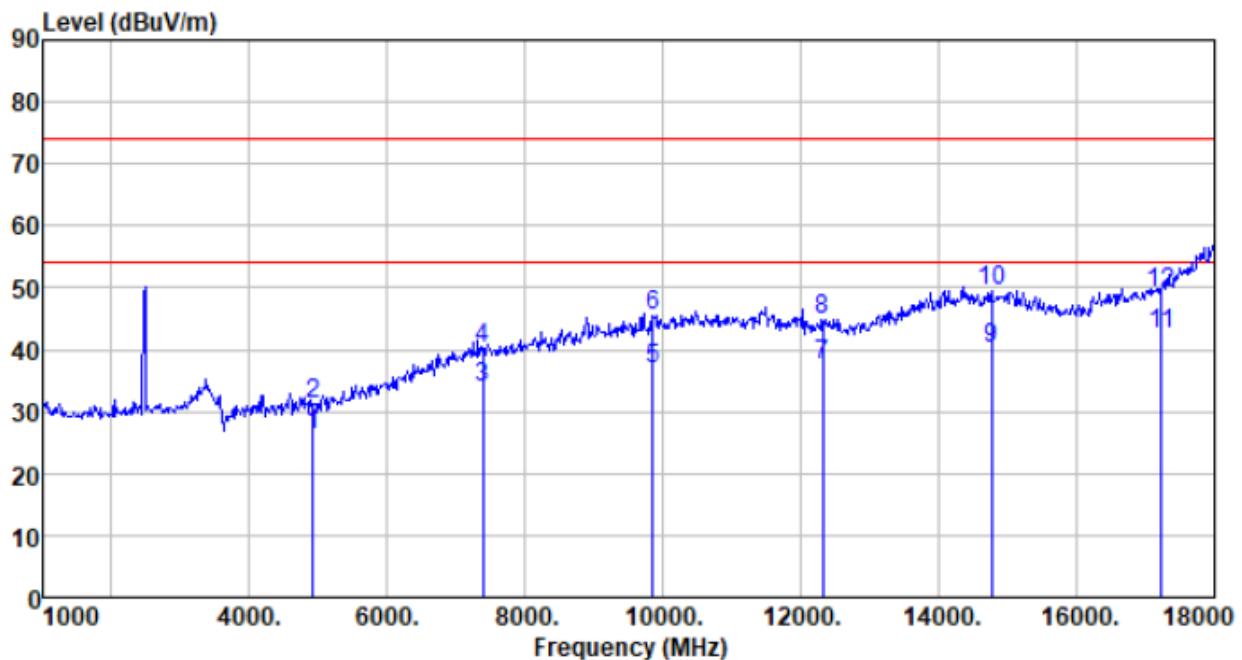
**Vertical:**


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
4874.000	22.88	31.31	8.66	37.75	25.10	54.00	-28.90	Average
4874.000	28.37	31.31	8.66	37.75	30.59	74.00	-43.41	Peak
7311.000	20.16	36.39	11.71	35.60	32.66	54.00	-21.34	Average
7311.000	27.21	36.39	11.71	35.60	39.71	74.00	-34.29	Peak
9748.000	19.25	38.10	14.25	35.03	36.57	54.00	-17.43	Average
9748.000	27.33	38.10	14.25	35.03	44.65	74.00	-29.35	Peak
12185.000	18.98	38.57	15.14	36.31	36.38	54.00	-17.62	Average
12185.000	25.78	38.57	15.14	36.31	43.18	74.00	-30.82	Peak
14622.000	17.79	41.20	17.26	35.83	40.42	54.00	-13.58	Average
14622.000	26.18	41.20	17.26	35.83	48.81	74.00	-25.19	Peak
17059.000	20.11	39.96	18.99	36.29	42.77	54.00	-11.23	Average
17059.000	26.84	39.96	18.99	36.29	49.50	74.00	-24.50	Peak

Test mode:	802.11b	Test Frequency:	2462 (MHz)
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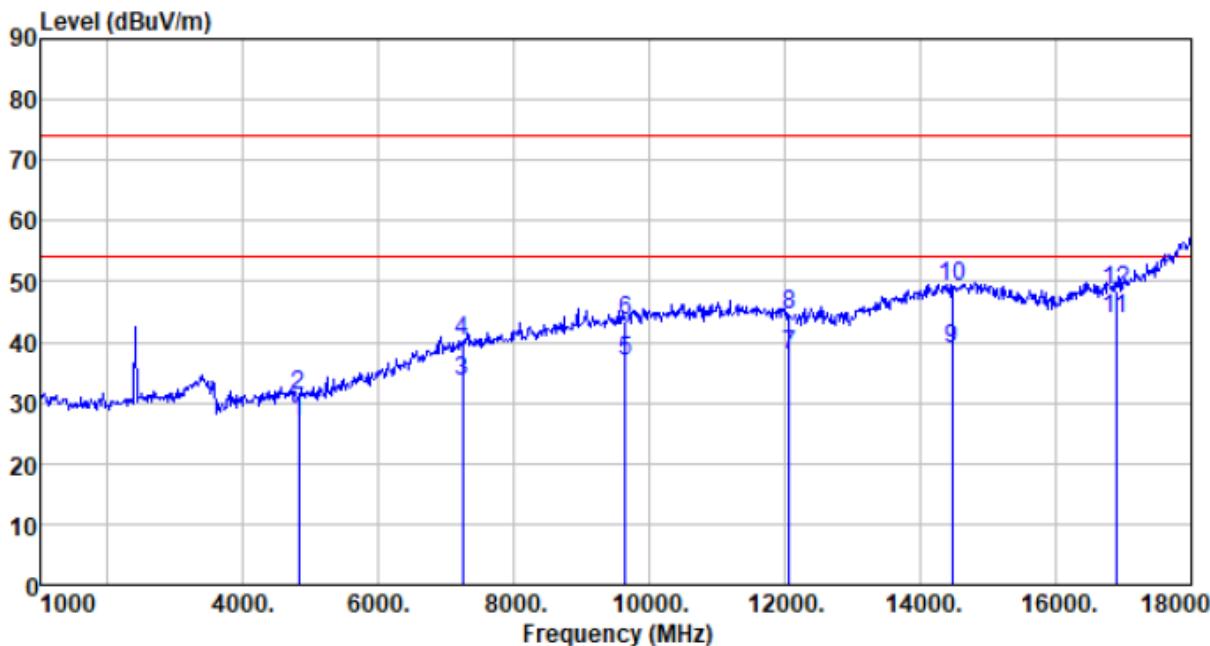
**Horizontal:**


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
4924.000	22.47	31.39	8.70	37.77	24.79	54.00	-29.21	Average
4924.000	28.55	31.39	8.70	37.77	30.87	74.00	-43.13	Peak
7386.000	17.48	36.57	11.76	35.58	30.23	54.00	-23.77	Average
7386.000	26.31	36.57	11.76	35.58	39.06	74.00	-34.94	Peak
9848.000	15.26	38.20	14.31	35.09	32.68	54.00	-21.32	Average
9848.000	25.03	38.20	14.31	35.09	42.45	74.00	-31.55	Peak
12310.000	17.37	38.63	15.23	36.40	34.83	54.00	-19.17	Average
12310.000	26.03	38.63	15.23	36.40	43.49	74.00	-30.51	Peak
14772.000	17.56	40.80	17.34	35.59	40.11	54.00	-13.89	Average
14772.000	25.92	40.80	17.34	35.59	48.47	74.00	-25.53	Peak
17234.000	18.16	41.00	18.98	36.28	41.86	54.00	-12.14	Average
17234.000	25.82	41.00	18.98	36.28	49.52	74.00	-24.48	Peak

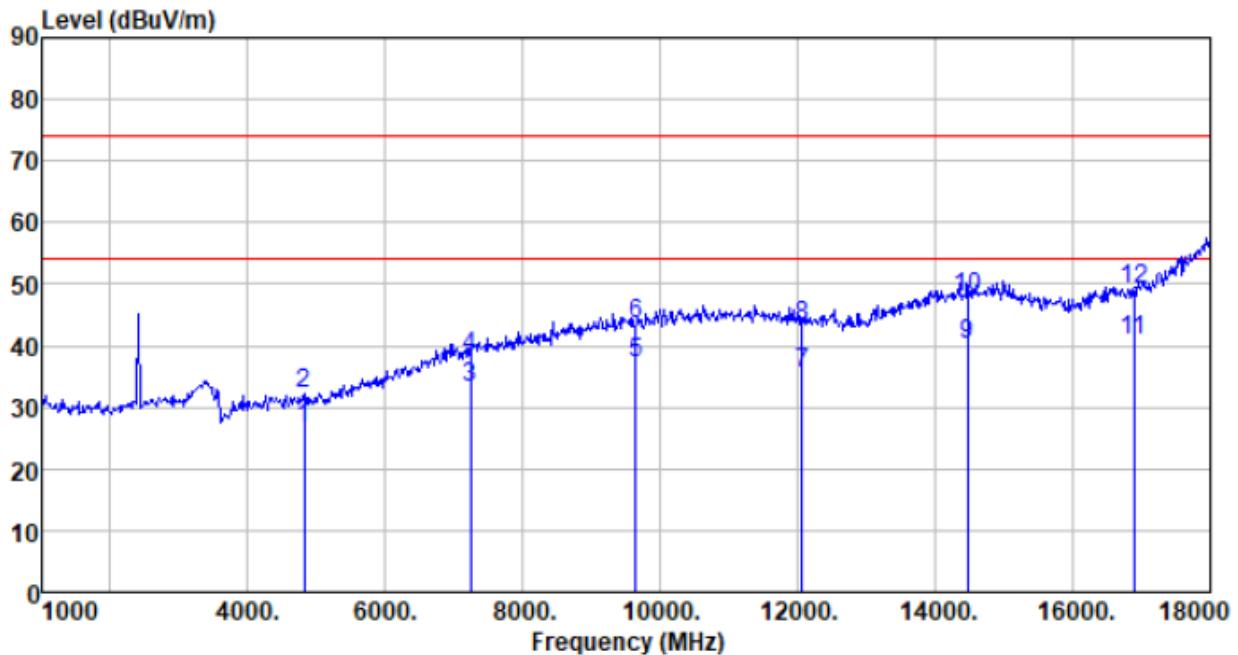
**Vertical:**


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
4924.000	23.86	31.39	8.70	37.77	26.18	54.00	-27.82	Average
4924.000	28.96	31.39	8.70	37.77	31.28	74.00	-42.72	Peak
7386.000	21.18	36.57	11.76	35.58	33.93	54.00	-20.07	Average
7386.000	27.42	36.57	11.76	35.58	40.17	74.00	-33.83	Peak
9848.000	19.61	38.20	14.31	35.09	37.03	54.00	-16.97	Average
9848.000	27.92	38.20	14.31	35.09	45.34	74.00	-28.66	Peak
12310.000	20.14	38.63	15.23	36.40	37.60	54.00	-16.40	Average
12310.000	27.21	38.63	15.23	36.40	44.67	74.00	-29.33	Peak
14772.000	17.60	40.80	17.34	35.59	40.15	54.00	-13.85	Average
14772.000	27.06	40.80	17.34	35.59	49.61	74.00	-24.39	Peak
17234.000	18.65	41.00	18.98	36.28	42.35	54.00	-11.65	Average
17234.000	25.37	41.00	18.98	36.28	49.07	74.00	-24.93	Peak

Test mode:	802.11g	Test Frequency:	2412 (MHz)
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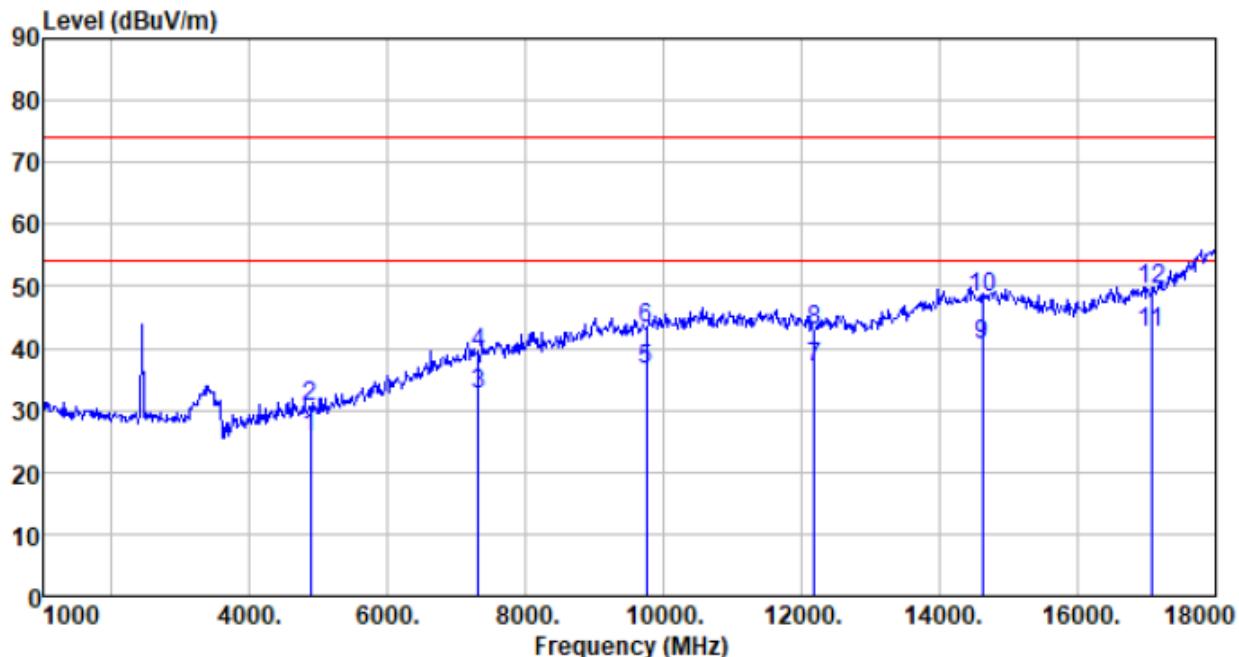
**Horizontal:**


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
4824.000	24.71	31.22	8.61	37.73	26.81	54.00	-27.19	Average
4824.000	29.17	31.22	8.61	37.73	31.27	74.00	-42.73	Peak
7236.000	21.21	36.25	11.68	35.62	33.52	54.00	-20.48	Average
7236.000	27.72	36.25	11.68	35.62	40.03	74.00	-33.97	Peak
9648.000	19.63	37.97	14.16	34.95	36.81	54.00	-17.19	Average
9648.000	26.35	37.97	14.16	34.95	43.53	74.00	-30.47	Peak
12060.000	20.41	38.51	15.05	36.22	37.75	54.00	-16.25	Average
12060.000	27.01	38.51	15.05	36.22	44.35	74.00	-29.65	Peak
14472.000	16.19	41.50	17.19	36.00	38.88	54.00	-15.12	Average
14472.000	26.42	41.50	17.19	36.00	49.11	74.00	-24.89	Peak
16884.000	21.63	39.62	18.88	36.21	43.92	54.00	-10.08	Average
16884.000	26.36	39.62	18.88	36.21	48.65	74.00	-25.35	Peak

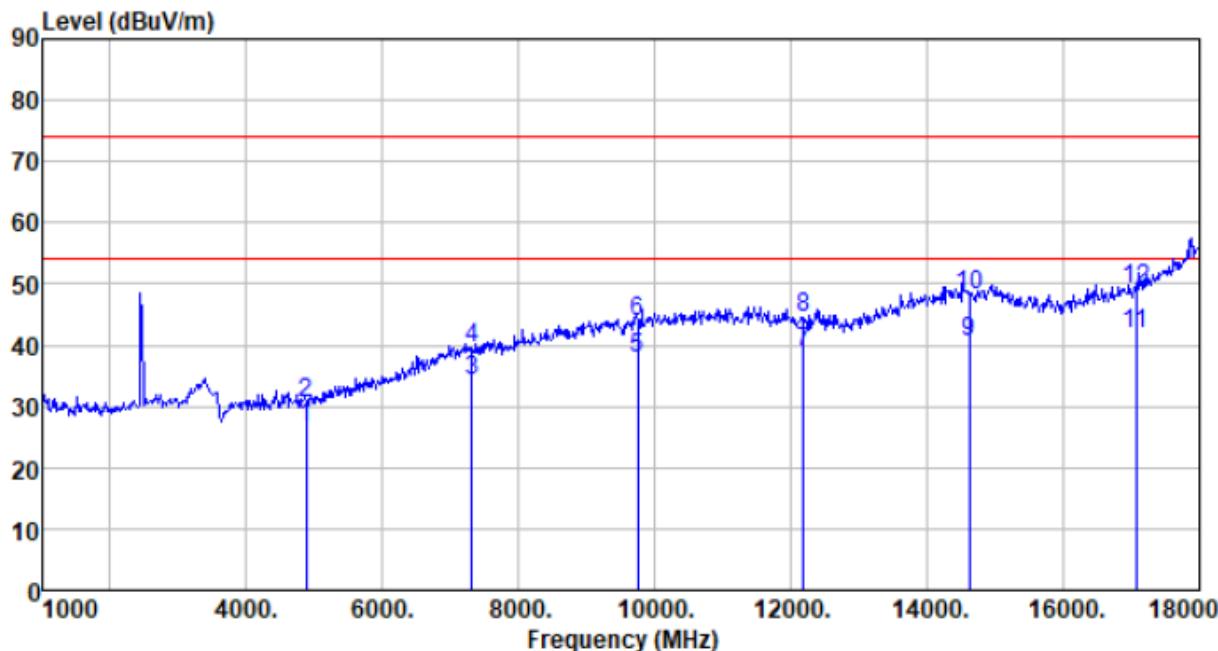
**Vertical:**


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
4824.000	24.42	31.22	8.61	37.73	26.52	54.00	-27.48	Average
4824.000	30.14	31.22	8.61	37.73	32.24	74.00	-41.76	Peak
7236.000	20.93	36.25	11.68	35.62	33.24	54.00	-20.76	Average
7236.000	26.00	36.25	11.68	35.62	38.31	74.00	-35.69	Peak
9648.000	19.95	37.97	14.16	34.95	37.13	54.00	-16.87	Average
9648.000	26.39	37.97	14.16	34.95	43.57	74.00	-30.43	Peak
12060.000	18.09	38.51	15.05	36.22	35.43	54.00	-18.57	Average
12060.000	25.91	38.51	15.05	36.22	43.25	74.00	-30.75	Peak
14472.000	17.54	41.50	17.19	36.00	40.23	54.00	-13.77	Average
14472.000	25.26	41.50	17.19	36.00	47.95	74.00	-26.05	Peak
16884.000	18.63	39.62	18.88	36.21	40.92	54.00	-13.08	Average
16884.000	26.85	39.62	18.88	36.21	49.14	74.00	-24.86	Peak

Test mode:	802.11g	Test Frequency:	2437 (MHz)
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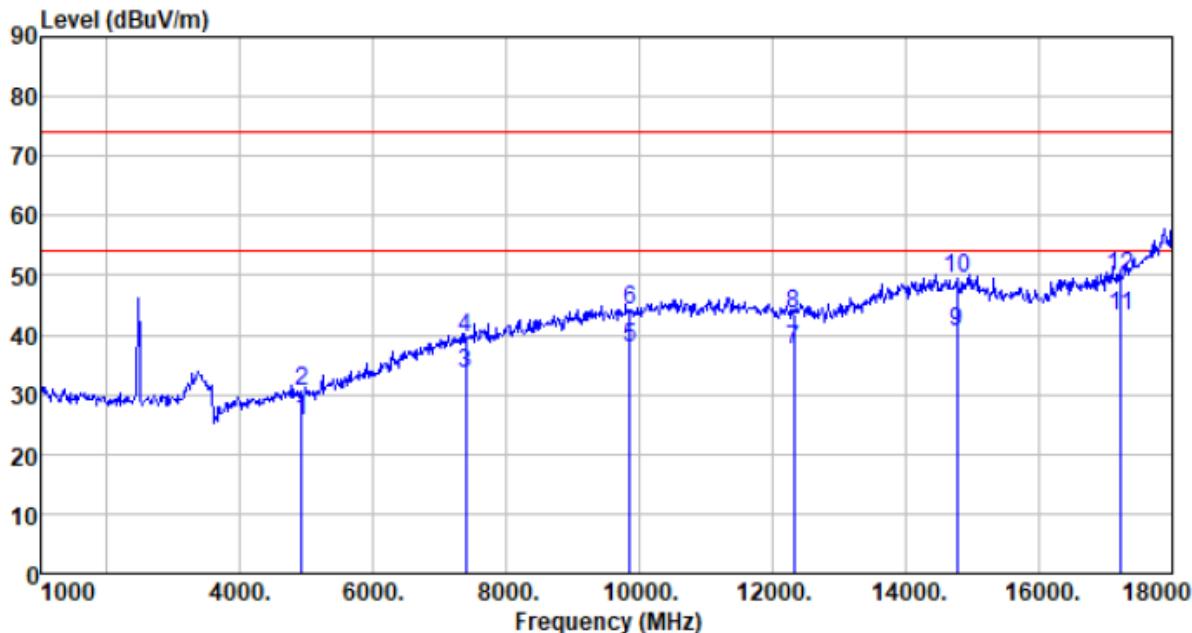
**Horizontal:**


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
4874.000	23.40	31.31	8.66	37.75	25.62	54.00	-28.38	Average
4874.000	28.33	31.31	8.66	37.75	30.55	74.00	-43.45	Peak
7311.000	20.16	36.39	11.71	35.60	32.66	54.00	-21.34	Average
7311.000	26.81	36.39	11.71	35.60	39.31	74.00	-34.69	Peak
9748.000	19.23	38.10	14.25	35.03	36.55	54.00	-17.45	Average
9748.000	25.82	38.10	14.25	35.03	43.14	74.00	-30.86	Peak
12185.000	19.49	38.57	15.14	36.31	36.89	54.00	-17.11	Average
12185.000	25.55	38.57	15.14	36.31	42.95	74.00	-31.05	Peak
14622.000	17.91	41.20	17.26	35.83	40.54	54.00	-13.46	Average
14622.000	25.53	41.20	17.26	35.83	48.16	74.00	-25.84	Peak
17059.000	19.77	39.96	18.99	36.29	42.43	54.00	-11.57	Average
17059.000	26.67	39.96	18.99	36.29	49.33	74.00	-24.67	Peak

**Vertical:**


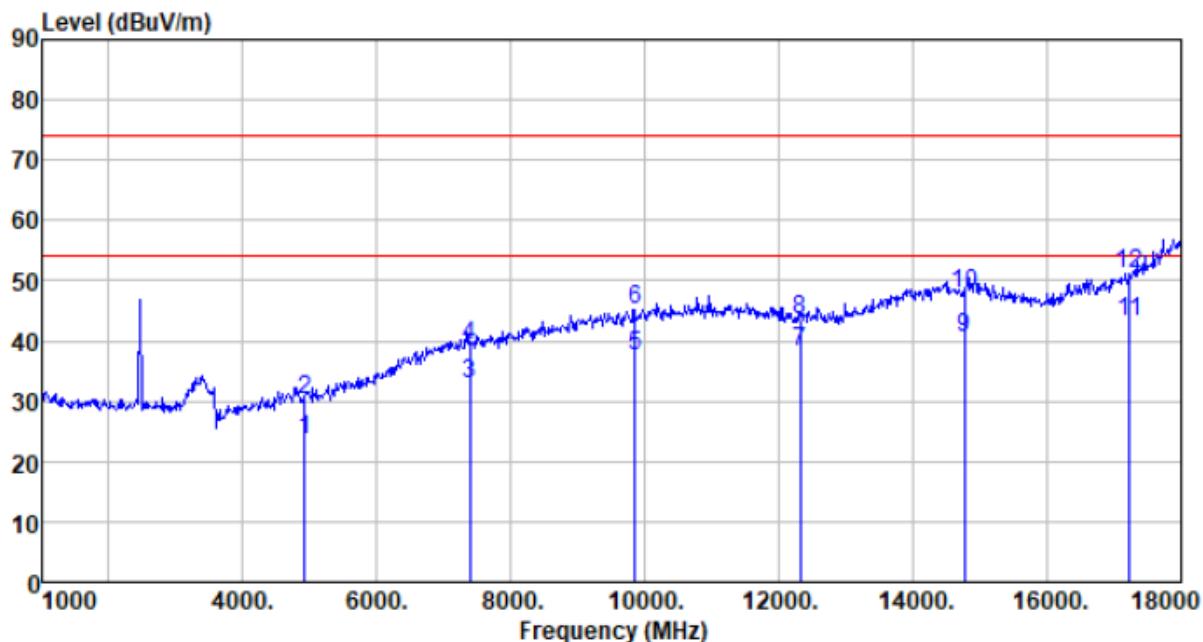
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
4874.000	24.34	31.31	8.66	37.75	26.56	54.00	-27.44	Average
4874.000	28.22	31.31	8.66	37.75	30.44	74.00	-43.56	Peak
7311.000	21.59	36.39	11.71	35.60	34.09	54.00	-19.91	Average
7311.000	26.96	36.39	11.71	35.60	39.46	74.00	-34.54	Peak
9748.000	20.47	38.10	14.25	35.03	37.79	54.00	-16.21	Average
9748.000	26.65	38.10	14.25	35.03	43.97	74.00	-30.03	Peak
12185.000	21.54	38.57	15.14	36.31	38.94	54.00	-15.06	Average
12185.000	27.01	38.57	15.14	36.31	44.41	74.00	-29.59	Peak
14622.000	17.97	41.20	17.26	35.83	40.60	54.00	-13.40	Average
14622.000	25.60	41.20	17.26	35.83	48.23	74.00	-25.77	Peak
17059.000	19.31	39.96	18.99	36.29	41.97	54.00	-12.03	Average
17059.000	26.53	39.96	18.99	36.29	49.19	74.00	-24.81	Peak

Test mode:	802.11g	Test Frequency:	2462 (MHz)
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**Horizontal:**


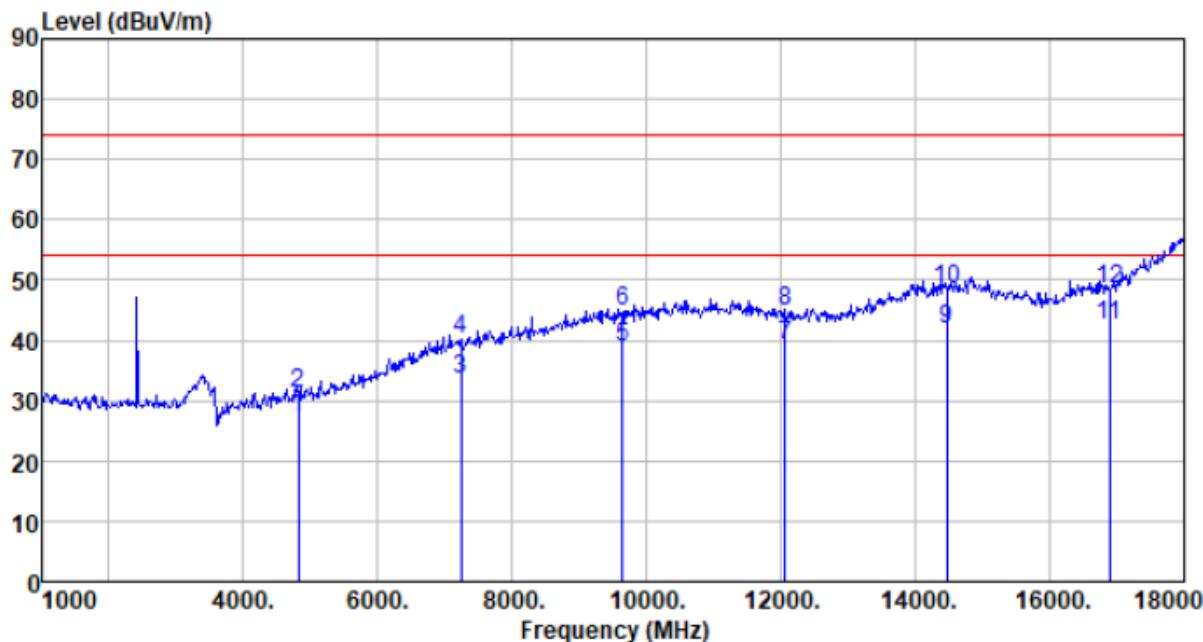
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Limit level dBuV	Over limit dB	Remark
4924.000	23.27	31.39	8.70	37.77	25.59	54.00	-28.41 Average
4924.000	28.13	31.39	8.70	37.77	30.45	74.00	-43.55 Peak
7386.000	20.72	36.57	11.76	35.58	33.47	54.00	-20.53 Average
7386.000	26.78	36.57	11.76	35.58	39.53	74.00	-34.47 Peak
9848.000	20.48	38.20	14.31	35.09	37.90	54.00	-16.10 Average
9848.000	26.65	38.20	14.31	35.09	44.07	74.00	-29.93 Peak
12310.000	19.95	38.63	15.23	36.40	37.41	54.00	-16.59 Average
12310.000	26.09	38.63	15.23	36.40	43.55	74.00	-30.45 Peak
14772.000	17.86	40.80	17.34	35.59	40.41	54.00	-13.59 Average
14772.000	27.09	40.80	17.34	35.59	49.64	74.00	-24.36 Peak
17234.000	19.60	41.00	18.98	36.28	43.30	54.00	-10.70 Average
17234.000	26.27	41.00	18.98	36.28	49.97	74.00	-24.03 Peak

Vertical:



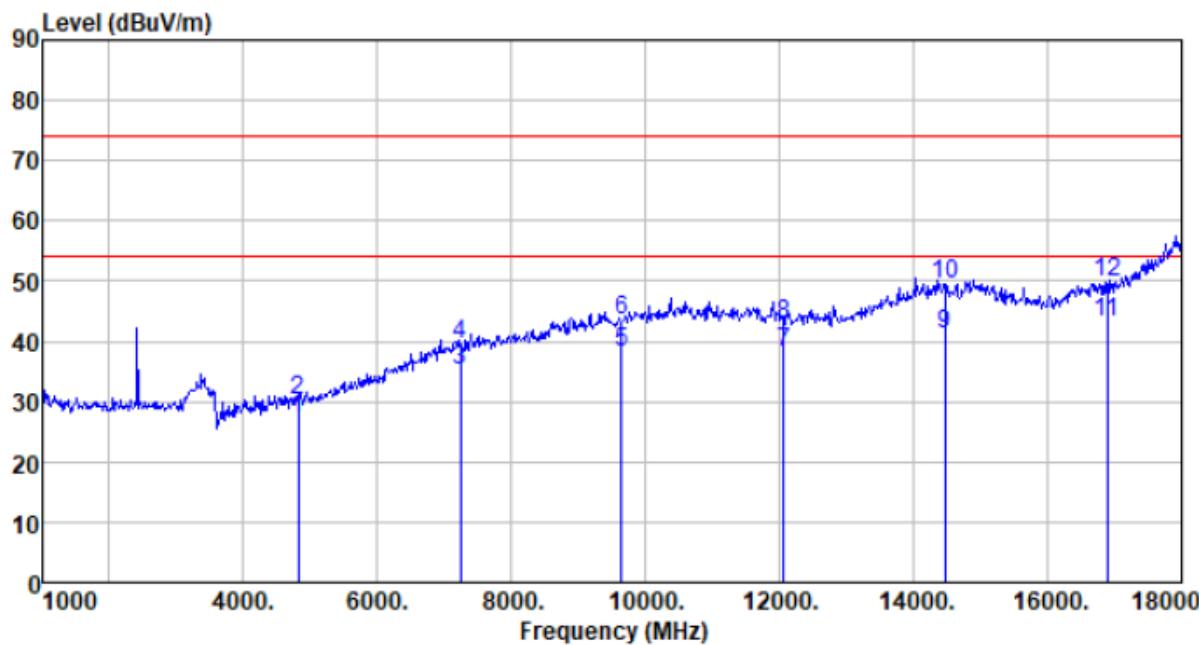
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Limit level dBuV	Over limit dB	Remark	
4924.000	21.16	31.39	8.70	37.77	23.48	54.00	-30.52	Average
4924.000	27.92	31.39	8.70	37.77	30.24	74.00	-43.76	Peak
7386.000	20.06	36.57	11.76	35.58	32.81	54.00	-21.19	Average
7386.000	26.41	36.57	11.76	35.58	39.16	74.00	-34.84	Peak
9848.000	20.07	38.20	14.31	35.09	37.49	54.00	-16.51	Average
9848.000	27.63	38.20	14.31	35.09	45.05	74.00	-28.95	Peak
12310.000	20.85	38.63	15.23	36.40	38.31	54.00	-15.69	Average
12310.000	26.19	38.63	15.23	36.40	43.65	74.00	-30.35	Peak
14772.000	17.83	40.80	17.34	35.59	40.38	54.00	-13.62	Average
14772.000	25.28	40.80	17.34	35.59	47.83	74.00	-26.17	Peak
17234.000	19.36	41.00	18.98	36.28	43.06	54.00	-10.94	Average
17234.000	27.54	41.00	18.98	36.28	51.24	74.00	-22.76	Peak

Test mode:	802.11n(HT20)	Test Frequency:	2412 (MHz)
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**Horizontal:**


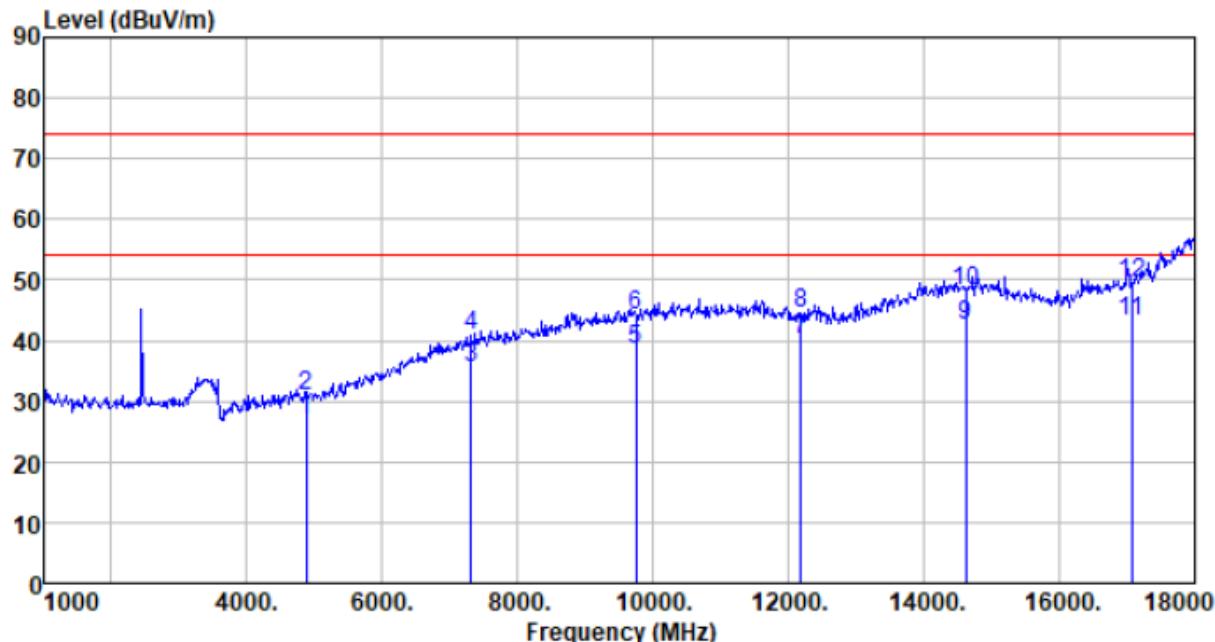
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
4824.000	25.28	31.22	8.61	37.73	27.38	54.00	-26.62	Average
4824.000	29.12	31.22	8.61	37.73	31.22	74.00	-42.78	Peak
7236.000	21.22	36.25	11.68	35.62	33.53	54.00	-20.47	Average
7236.000	27.92	36.25	11.68	35.62	40.23	74.00	-33.77	Peak
9648.000	21.72	37.97	14.16	34.95	38.90	54.00	-15.10	Average
9648.000	27.57	37.97	14.16	34.95	44.75	74.00	-29.25	Peak
12060.000	21.94	38.51	15.05	36.22	39.28	54.00	-14.72	Average
12060.000	27.60	38.51	15.05	36.22	44.94	74.00	-29.06	Peak
14472.000	19.08	41.50	17.19	36.00	41.77	54.00	-12.23	Average
14472.000	25.71	41.50	17.19	36.00	48.40	74.00	-25.60	Peak
16884.000	20.16	39.62	18.88	36.21	42.45	54.00	-11.55	Average
16884.000	26.31	39.62	18.88	36.21	48.60	74.00	-25.40	Peak

Vertical:



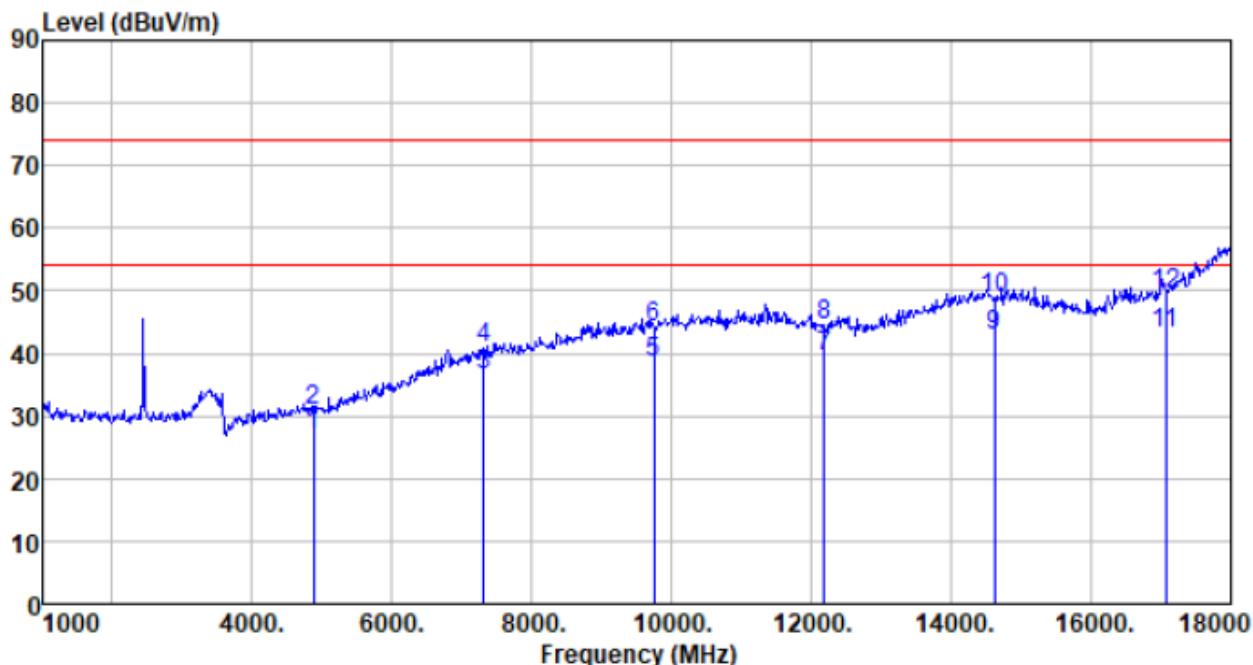
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
4824.000	24.97	31.22	8.61	37.73	27.07	54.00	-26.93	Average
4824.000	28.09	31.22	8.61	37.73	30.19	74.00	-43.81	Peak
7236.000	22.76	36.25	11.68	35.62	35.07	54.00	-18.93	Average
7236.000	27.14	36.25	11.68	35.62	39.45	74.00	-34.55	Peak
9648.000	20.90	37.97	14.16	34.95	38.08	54.00	-15.92	Average
9648.000	26.39	37.97	14.16	34.95	43.57	74.00	-30.43	Peak
12060.000	20.82	38.51	15.05	36.22	38.16	54.00	-15.84	Average
12060.000	25.49	38.51	15.05	36.22	42.83	74.00	-31.17	Peak
14472.000	18.51	41.50	17.19	36.00	41.20	54.00	-12.80	Average
14472.000	26.66	41.50	17.19	36.00	49.35	74.00	-24.65	Peak
16884.000	20.92	39.62	18.88	36.21	43.21	54.00	-10.79	Average
16884.000	27.39	39.62	18.88	36.21	49.68	74.00	-24.32	Peak

Test mode:	802.11n(HT20)	Test Frequency:	2437 (MHz)
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**Horizontal:**


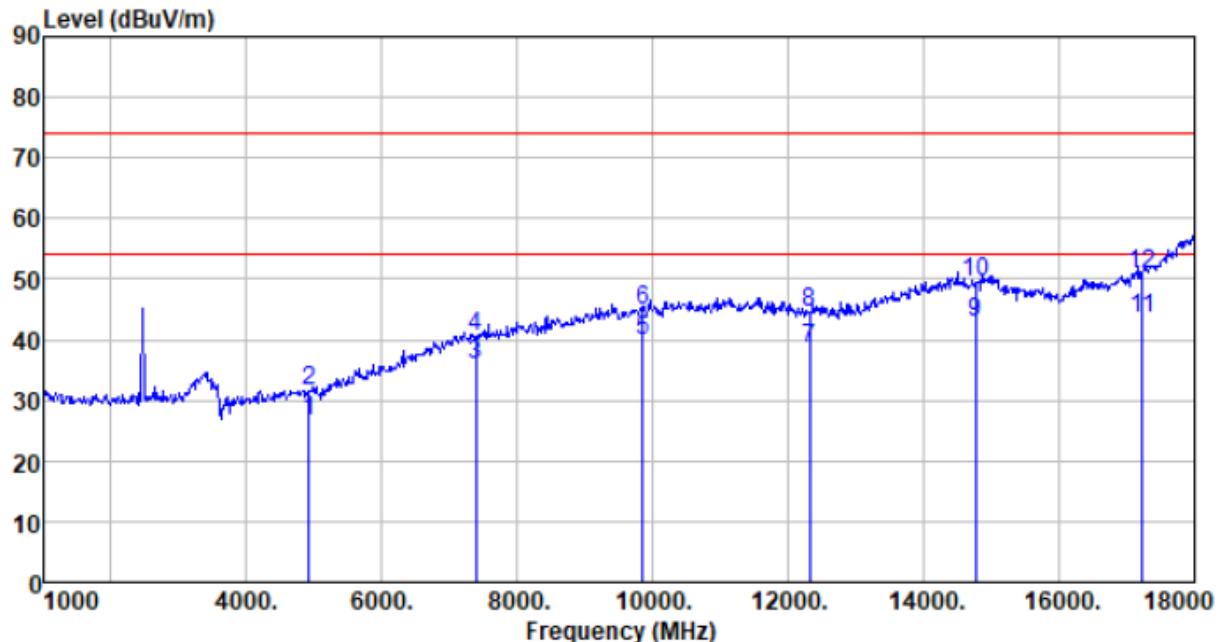
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
4874.000	24.63	31.31	8.66	37.75	26.85	54.00	-27.15	Average
4874.000	28.56	31.31	8.66	37.75	30.78	74.00	-43.22	Peak
7311.000	22.99	36.39	11.71	35.60	35.49	54.00	-18.51	Average
7311.000	28.39	36.39	11.71	35.60	40.89	74.00	-33.11	Peak
9748.000	21.19	38.10	14.25	35.03	38.51	54.00	-15.49	Average
9748.000	26.97	38.10	14.25	35.03	44.29	74.00	-29.71	Peak
12185.000	22.67	38.57	15.14	36.31	40.07	54.00	-13.93	Average
12185.000	27.17	38.57	15.14	36.31	44.57	74.00	-29.43	Peak
14622.000	19.93	41.20	17.26	35.83	42.56	54.00	-11.44	Average
14622.000	25.40	41.20	17.26	35.83	48.03	74.00	-25.97	Peak
17059.000	20.35	39.96	18.99	36.29	43.01	54.00	-10.99	Average
17059.000	26.73	39.96	18.99	36.29	49.39	74.00	-24.61	Peak

Vertical:

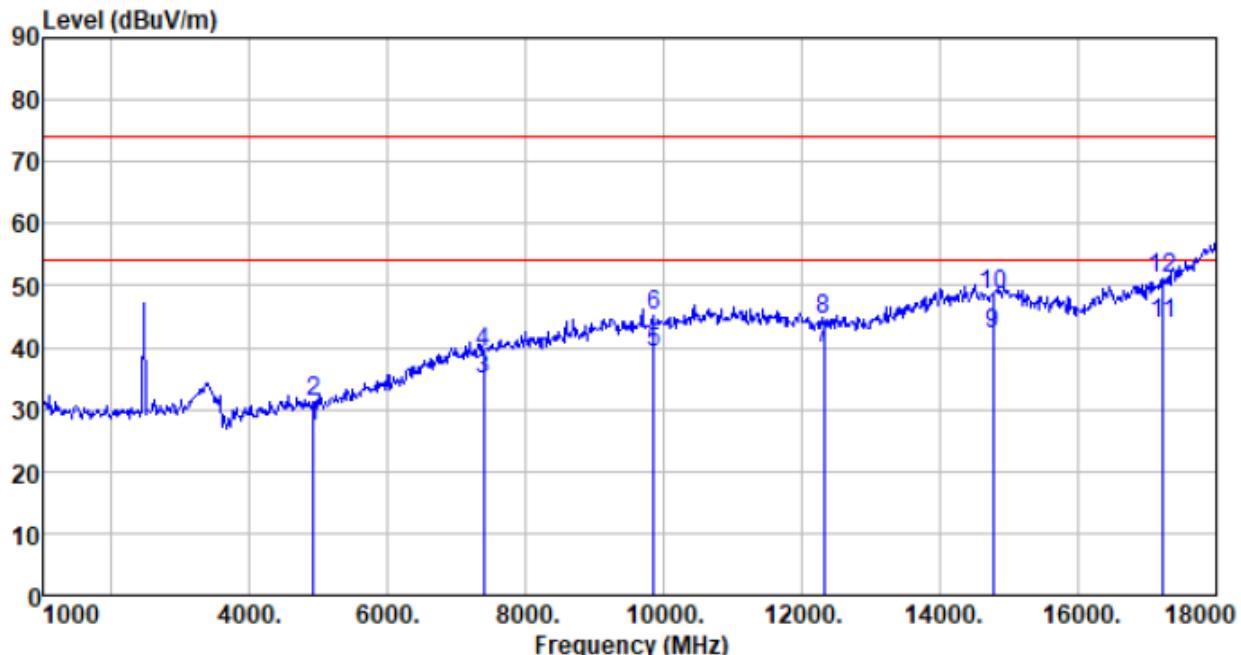


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
4874.000	24.63	31.31	8.66	37.75	26.85	54.00	-27.15	Average
4874.000	28.56	31.31	8.66	37.75	30.78	74.00	-43.22	Peak
7311.000	23.99	36.39	11.71	35.60	36.49	54.00	-17.51	Average
7311.000	28.39	36.39	11.71	35.60	40.89	74.00	-33.11	Peak
9748.000	21.19	38.10	14.25	35.03	38.51	54.00	-15.49	Average
9748.000	26.97	38.10	14.25	35.03	44.29	74.00	-29.71	Peak
12185.000	22.03	38.57	15.14	36.31	39.43	54.00	-14.57	Average
12185.000	27.20	38.57	15.14	36.31	44.60	74.00	-29.40	Peak
14622.000	20.30	41.20	17.26	35.83	42.93	54.00	-11.07	Average
14622.000	26.18	41.20	17.26	35.83	48.81	74.00	-25.19	Peak
17059.000	20.56	39.96	18.99	36.29	43.22	54.00	-10.78	Average
17059.000	26.95	39.96	18.99	36.29	49.61	74.00	-24.39	Peak

Test mode:	802.11n(HT20)	Test Frequency:	2462 (MHz)
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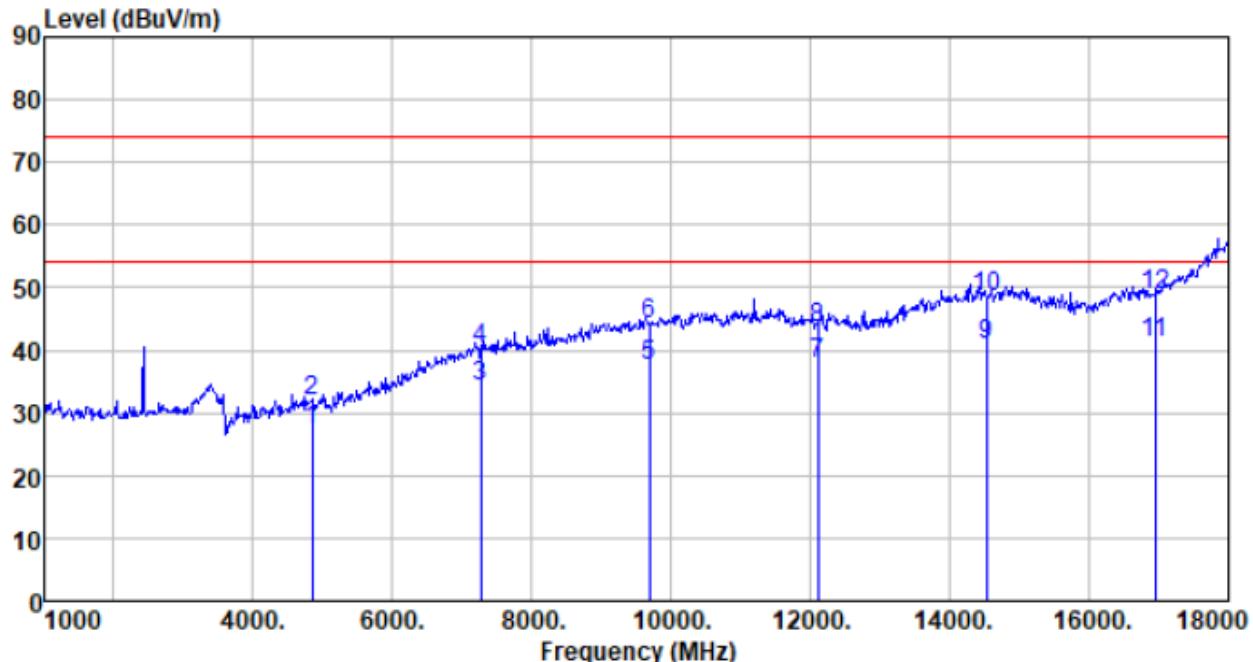
**Horizontal:**


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
4924.000	24.29	31.39	8.70	37.77	26.61	54.00	-27.39	Average
4924.000	29.13	31.39	8.70	37.77	31.45	74.00	-42.55	Peak
7386.000	22.98	36.57	11.76	35.58	35.73	54.00	-18.27	Average
7386.000	27.66	36.57	11.76	35.58	40.41	74.00	-33.59	Peak
9848.000	22.30	38.20	14.31	35.09	39.72	54.00	-14.28	Average
9848.000	27.44	38.20	14.31	35.09	44.86	74.00	-29.14	Peak
12310.000	21.14	38.63	15.23	36.40	38.60	54.00	-15.40	Average
12310.000	27.00	38.63	15.23	36.40	44.46	74.00	-29.54	Peak
14772.000	20.41	40.80	17.34	35.59	42.96	54.00	-11.04	Average
14772.000	26.97	40.80	17.34	35.59	49.52	74.00	-24.48	Peak
17234.000	19.74	41.00	18.98	36.28	43.44	54.00	-10.56	Average
17234.000	26.96	41.00	18.98	36.28	50.66	74.00	-23.34	Peak

**Vertical:**


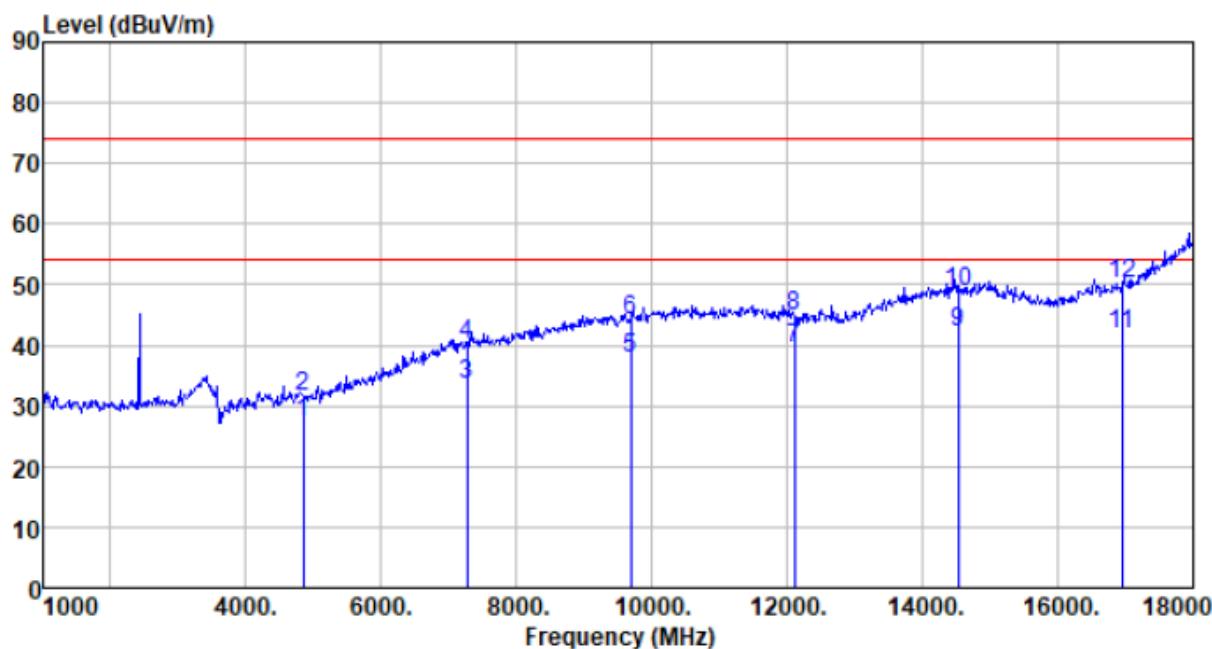
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
4924.000	25.07	31.39	8.70	37.77	27.39	54.00	-26.61	Average
4924.000	29.02	31.39	8.70	37.77	31.34	74.00	-42.66	Peak
7386.000	22.17	36.57	11.76	35.58	34.92	54.00	-19.08	Average
7386.000	26.32	36.57	11.76	35.58	39.07	74.00	-34.93	Peak
9848.000	21.92	38.20	14.31	35.09	39.34	54.00	-14.66	Average
9848.000	27.78	38.20	14.31	35.09	45.20	74.00	-28.80	Peak
12310.000	22.51	38.63	15.23	36.40	39.97	54.00	-14.03	Average
12310.000	27.03	38.63	15.23	36.40	44.49	74.00	-29.51	Peak
14772.000	19.53	40.80	17.34	35.59	42.08	54.00	-11.92	Average
14772.000	26.06	40.80	17.34	35.59	48.61	74.00	-25.39	Peak
17234.000	20.05	41.00	18.98	36.28	43.75	54.00	-10.25	Average
17234.000	27.31	41.00	18.98	36.28	51.01	74.00	-22.99	Peak

Test mode:	802.11n(HT40)	Test Frequency:	2422 (MHz)
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**Horizontal:**


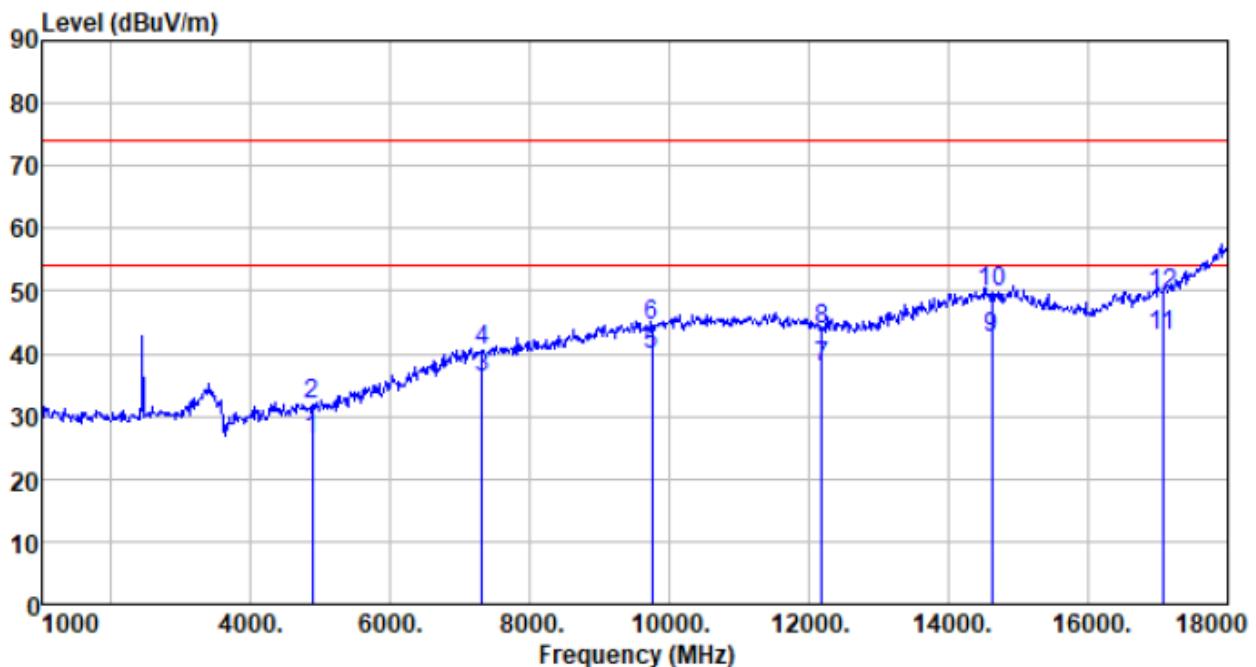
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
4844.000	24.99	31.26	8.63	37.74	27.14	54.00	-26.86	Average
4844.000	29.79	31.26	8.63	37.74	31.94	74.00	-42.06	Peak
7266.000	21.69	36.30	11.69	35.62	34.06	54.00	-19.94	Average
7266.000	27.98	36.30	11.69	35.62	40.35	74.00	-33.65	Peak
9688.000	20.24	38.03	14.21	34.99	37.49	54.00	-16.51	Average
9688.000	26.82	38.03	14.21	34.99	44.07	74.00	-29.93	Peak
12110.000	20.58	38.54	15.10	36.27	37.95	54.00	-16.05	Average
12110.000	26.16	38.54	15.10	36.27	43.53	74.00	-30.47	Peak
14532.000	18.22	41.40	17.22	35.94	40.90	54.00	-13.10	Average
14532.000	25.82	41.40	17.22	35.94	48.50	74.00	-25.50	Peak
16954.000	18.85	39.66	18.93	36.26	41.18	54.00	-12.82	Average
16954.000	26.49	39.66	18.93	36.26	48.82	74.00	-25.18	Peak

Vertical:



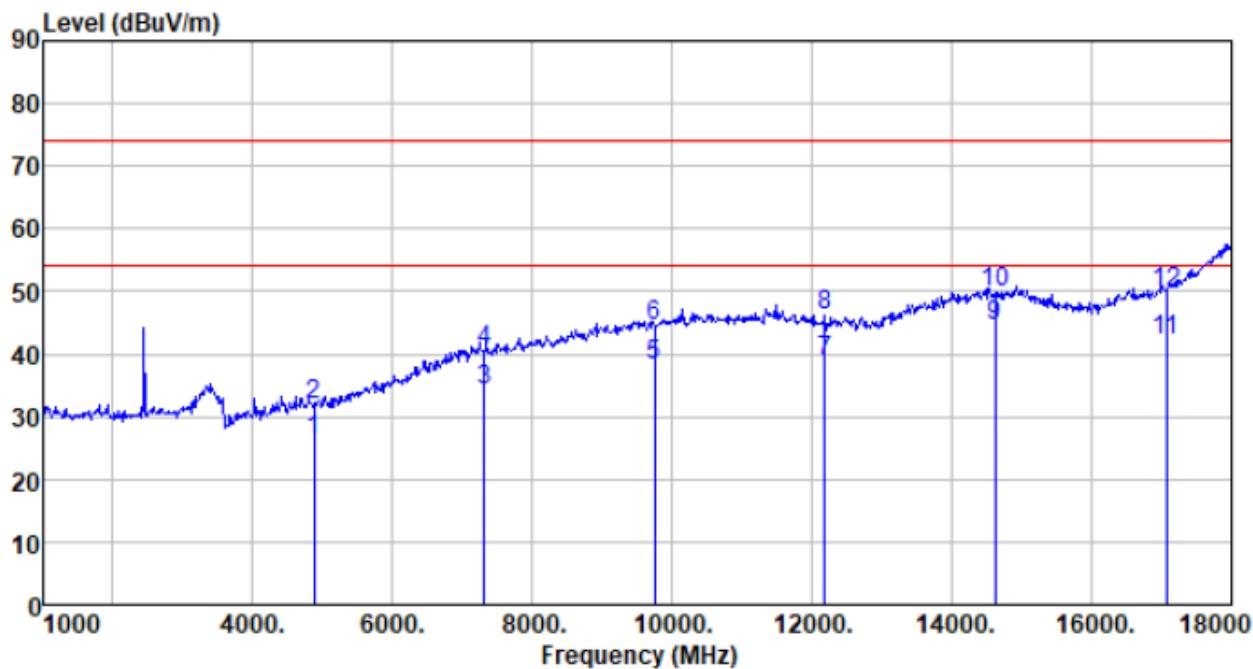
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
4844.000	25.09	31.26	8.63	37.74	27.24	54.00	-26.76	Average
4844.000	29.54	31.26	8.63	37.74	31.69	74.00	-42.31	Peak
7266.000	21.17	36.30	11.69	35.62	33.54	54.00	-20.46	Average
7266.000	27.97	36.30	11.69	35.62	40.34	74.00	-33.66	Peak
9688.000	20.58	38.03	14.21	34.99	37.83	54.00	-16.17	Average
9688.000	26.76	38.03	14.21	34.99	44.01	74.00	-29.99	Peak
12110.000	22.26	38.54	15.10	36.27	39.63	54.00	-14.37	Average
12110.000	27.53	38.54	15.10	36.27	44.90	74.00	-29.10	Peak
14532.000	19.54	41.40	17.22	35.94	42.22	54.00	-11.78	Average
14532.000	26.09	41.40	17.22	35.94	48.77	74.00	-25.23	Peak
16954.000	19.63	39.66	18.93	36.26	41.96	54.00	-12.04	Average
16954.000	27.67	39.66	18.93	36.26	50.00	74.00	-24.00	Peak

Test mode:	802.11n(HT40)	Test Frequency:	2437(MHz)
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**Horizontal:**


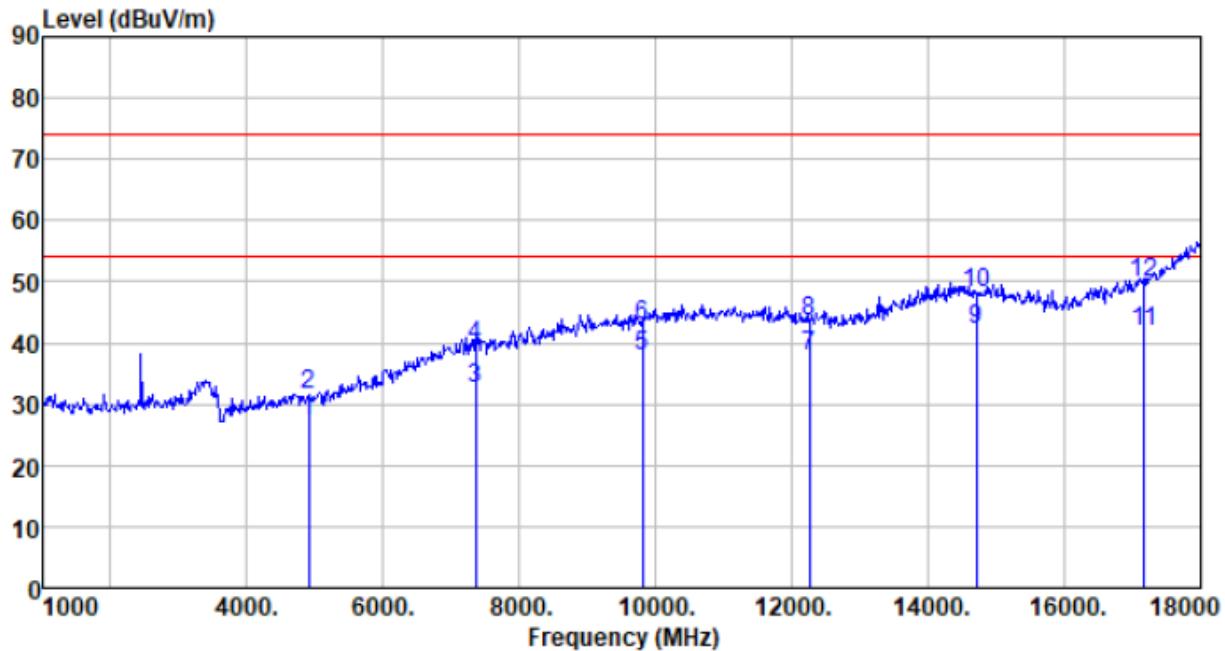
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
4874.000	24.01	31.31	8.66	37.75	26.23	54.00	-27.77	Average
4874.000	29.70	31.31	8.66	37.75	31.92	74.00	-42.08	Peak
7311.000	23.84	36.39	11.71	35.60	36.34	54.00	-17.66	Average
7311.000	28.02	36.39	11.71	35.60	40.52	74.00	-33.48	Peak
9748.000	22.61	38.10	14.25	35.03	39.93	54.00	-14.07	Average
9748.000	27.08	38.10	14.25	35.03	44.40	74.00	-29.60	Peak
12185.000	20.37	38.57	15.14	36.31	37.77	54.00	-16.23	Average
12185.000	26.47	38.57	15.14	36.31	43.87	74.00	-30.13	Peak
14622.000	19.75	41.20	17.26	35.83	42.38	54.00	-11.62	Average
14622.000	27.23	41.20	17.26	35.83	49.86	74.00	-24.14	Peak
17059.000	20.19	39.96	18.99	36.29	42.85	54.00	-11.15	Average
17059.000	26.89	39.96	18.99	36.29	49.55	74.00	-24.45	Peak

Vertical:



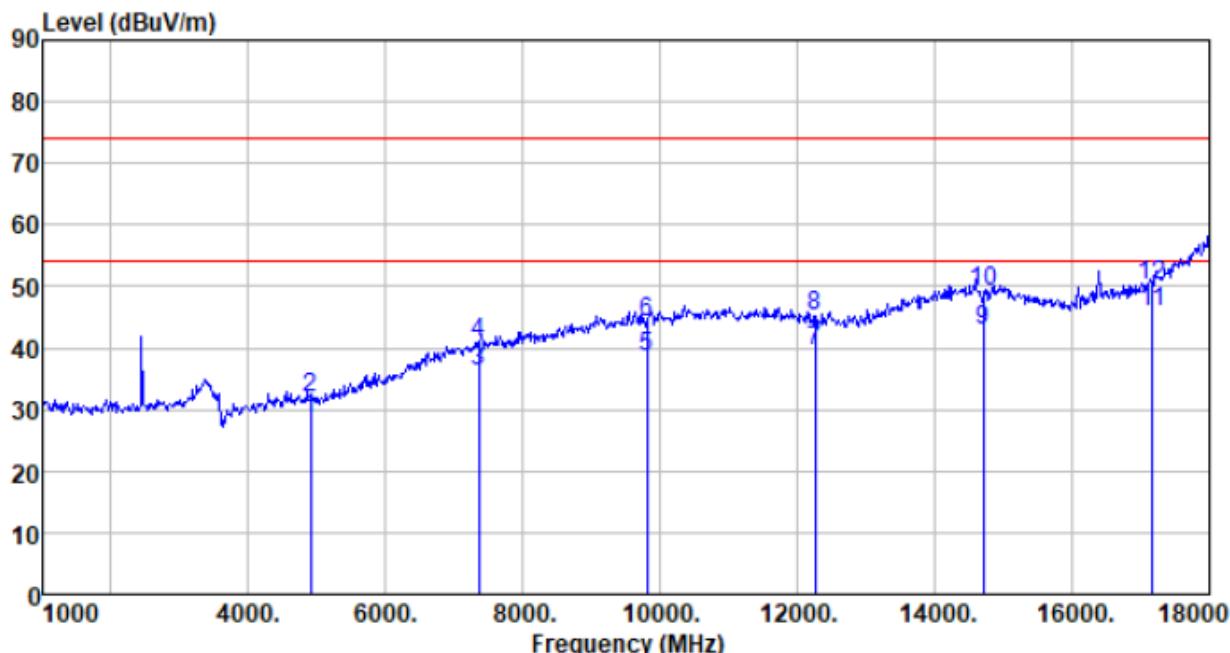
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
4874.000	24.18	31.31	8.66	37.75	26.40	54.00	-27.60	Average
4874.000	29.70	31.31	8.66	37.75	31.92	74.00	-42.08	Peak
7311.000	21.84	36.39	11.71	35.60	34.34	54.00	-19.66	Average
7311.000	28.02	36.39	11.71	35.60	40.52	74.00	-33.48	Peak
9748.000	21.01	38.10	14.25	35.03	38.33	54.00	-15.67	Average
9748.000	27.08	38.10	14.25	35.03	44.40	74.00	-29.60	Peak
12185.000	21.53	38.57	15.14	36.31	38.93	54.00	-15.07	Average
12185.000	28.75	38.57	15.14	36.31	46.15	74.00	-27.85	Peak
14622.000	21.75	41.20	17.26	35.83	44.38	54.00	-9.62	Average
14622.000	27.23	41.20	17.26	35.83	49.86	74.00	-24.14	Peak
17059.000	19.67	39.96	18.99	36.29	42.33	54.00	-11.67	Average
17059.000	27.15	39.96	18.99	36.29	49.81	74.00	-24.19	Peak

Test mode:	802.11n(HT40)	Test Frequency:	2452 (MHz)
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**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
4904.000	24.94	31.35	8.68	37.76	27.21	54.00	-26.79	Average
4904.000	29.20	31.35	8.68	37.76	31.47	74.00	-42.53	Peak
7356.000	20.08	36.48	11.74	35.59	32.71	54.00	-21.29	Average
7356.000	26.86	36.48	11.74	35.59	39.49	74.00	-34.51	Peak
9808.000	20.34	38.17	14.29	35.07	37.73	54.00	-16.27	Average
9808.000	25.60	38.17	14.29	35.07	42.99	74.00	-31.01	Peak
12260.000	20.31	38.60	15.18	36.36	37.73	54.00	-16.27	Average
12260.000	26.06	38.60	15.18	36.36	43.48	74.00	-30.52	Peak
14712.000	19.50	41.00	17.30	35.71	42.09	54.00	-11.91	Average
14712.000	25.61	41.00	17.30	35.71	48.20	74.00	-25.80	Peak
17164.000	18.26	40.74	18.98	36.28	41.70	54.00	-12.30	Average
17164.000	26.36	40.74	18.98	36.28	49.80	74.00	-24.20	Peak

Vertical:



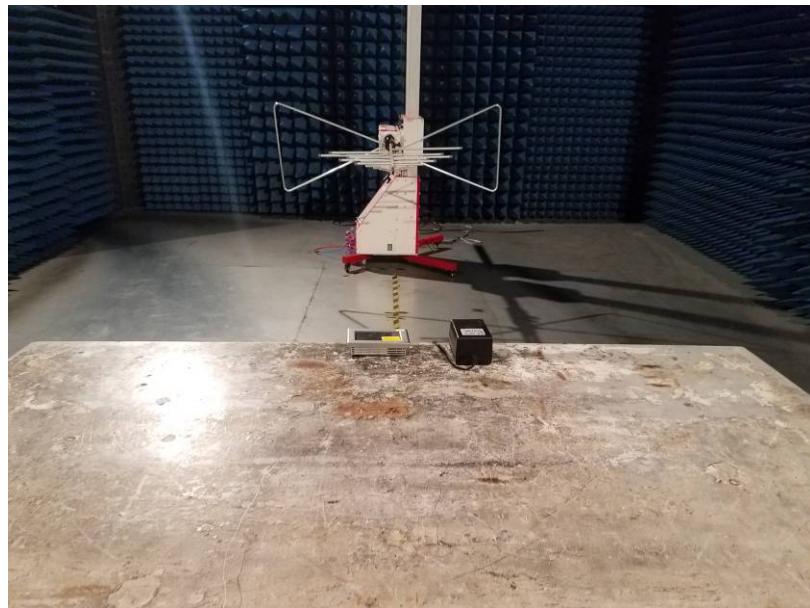
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
4904.000	26.23	31.35	8.68	37.76	28.50	54.00	-25.50	Average
4904.000	29.51	31.35	8.68	37.76	31.78	74.00	-42.22	Peak
7356.000	23.54	36.48	11.74	35.59	36.17	54.00	-17.83	Average
7356.000	28.35	36.48	11.74	35.59	40.98	74.00	-33.02	Peak
9808.000	21.29	38.17	14.29	35.07	38.68	54.00	-15.32	Average
9808.000	26.65	38.17	14.29	35.07	44.04	74.00	-29.96	Peak
12260.000	22.16	38.60	15.18	36.36	39.58	54.00	-14.42	Average
12260.000	27.60	38.60	15.18	36.36	45.02	74.00	-28.98	Peak
14712.000	20.25	41.00	17.30	35.71	42.84	54.00	-11.16	Average
14712.000	26.48	41.00	17.30	35.71	49.07	74.00	-24.93	Peak
17164.000	22.37	40.74	18.98	36.28	45.81	54.00	-8.19	Average
17164.000	26.85	40.74	18.98	36.28	50.29	74.00	-23.71	Peak

Remark:

- 1 Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
- 2 “\*\*”, means this data is the too weak instrument of signal is unable to test.

## 8 Test Setup Photo

Radiated Emission

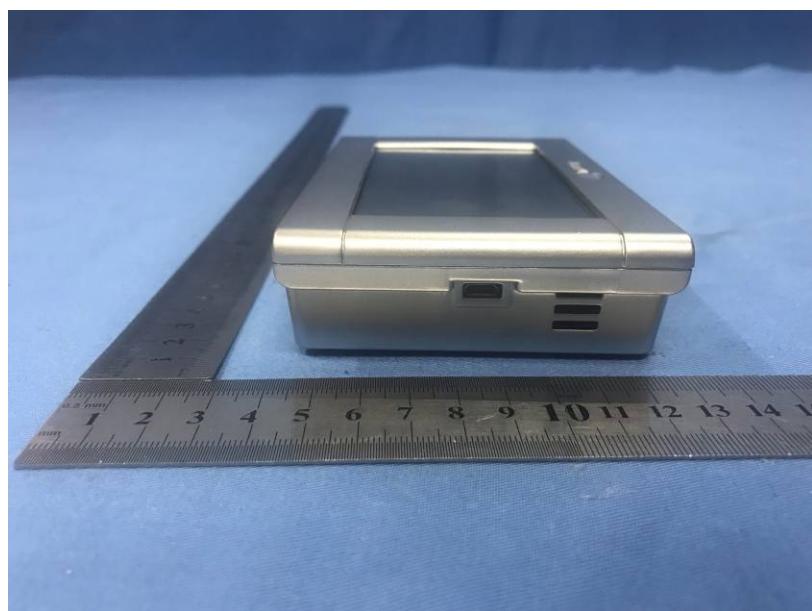
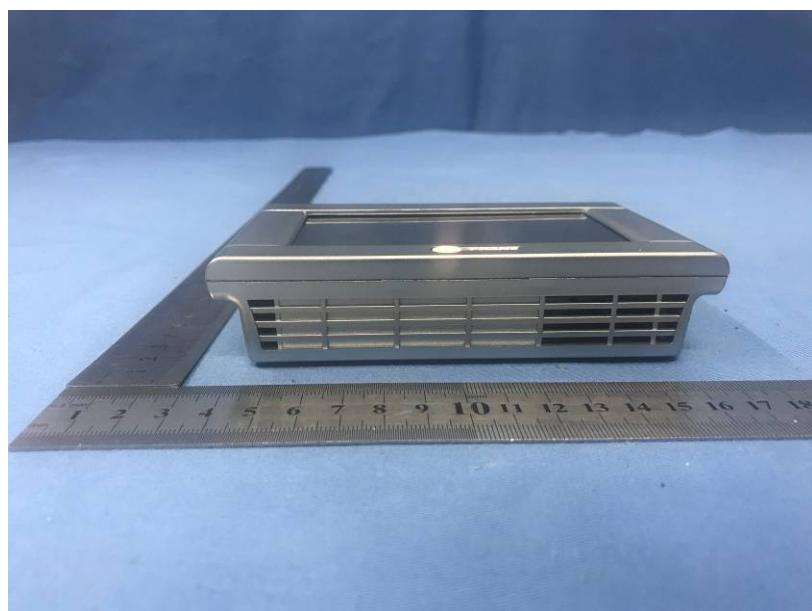


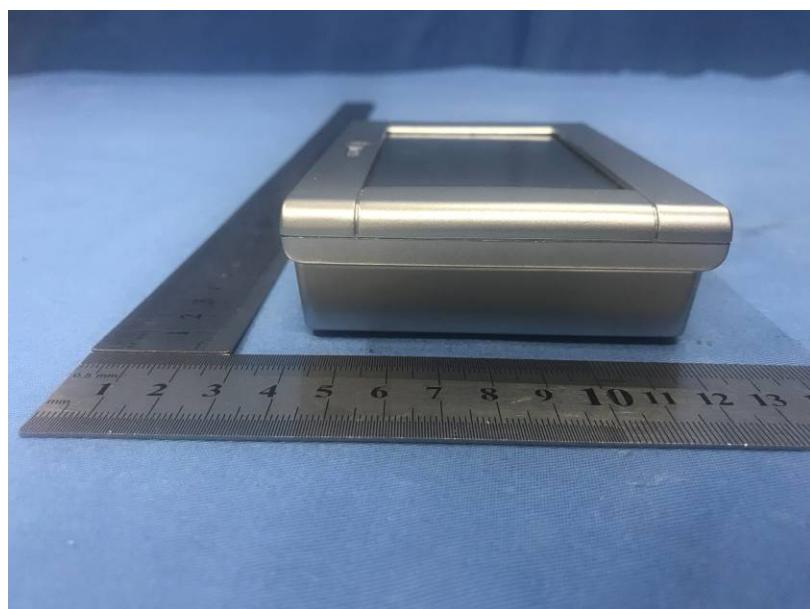
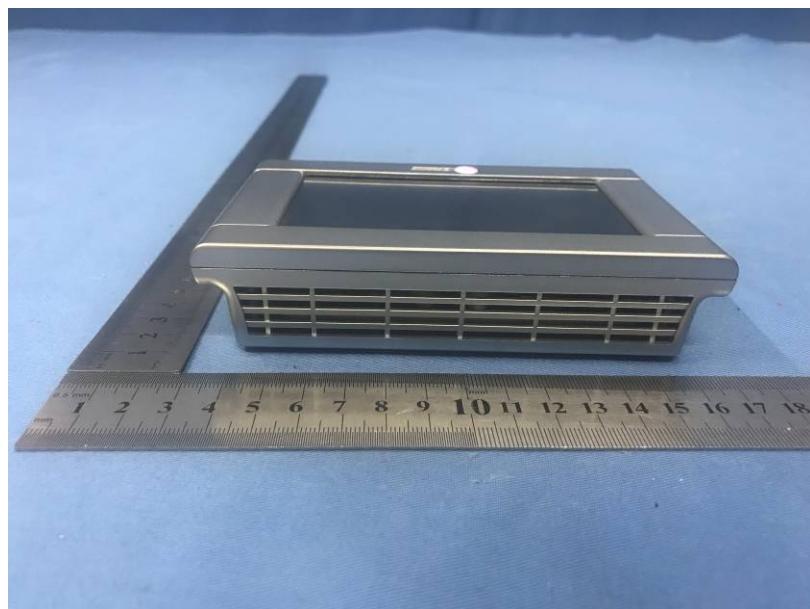
## Conducted Emission

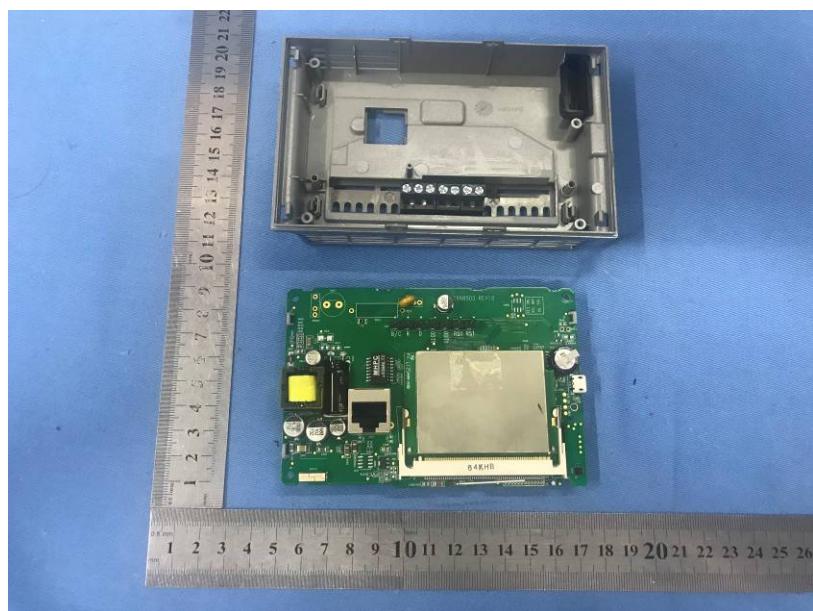
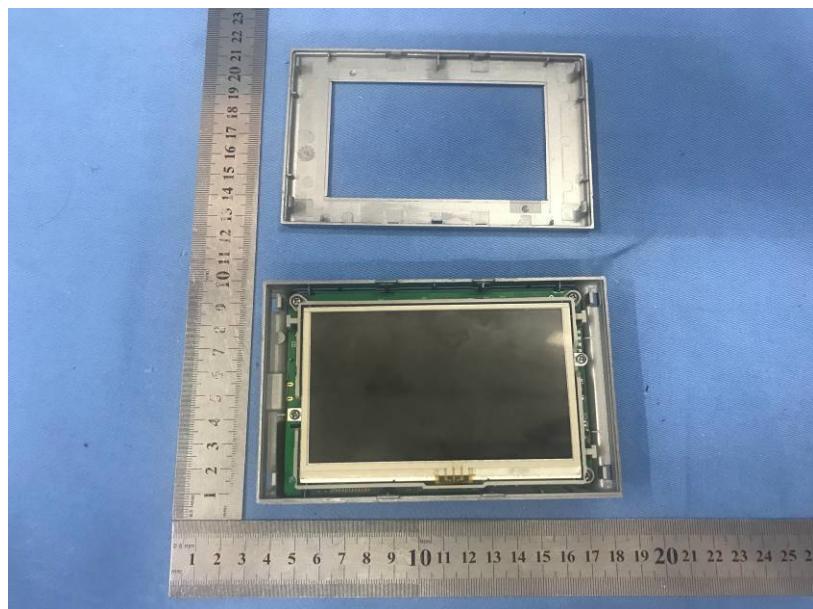


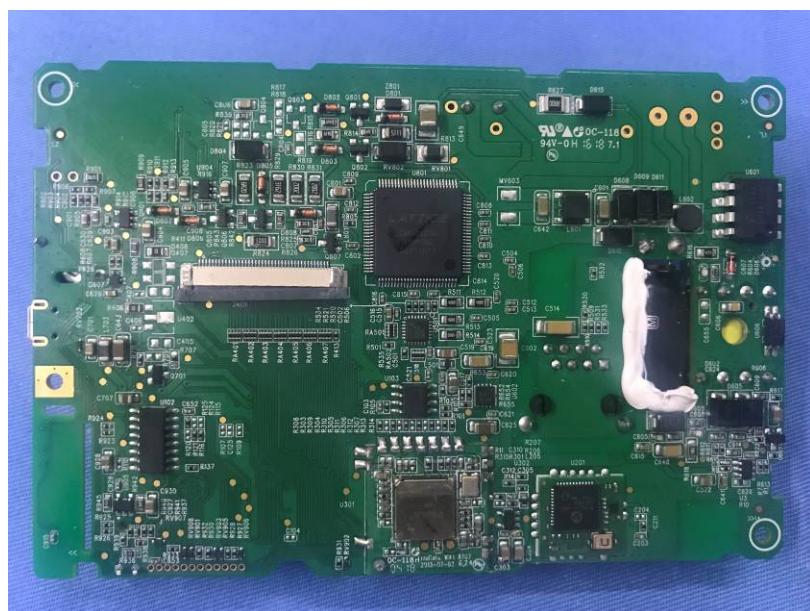
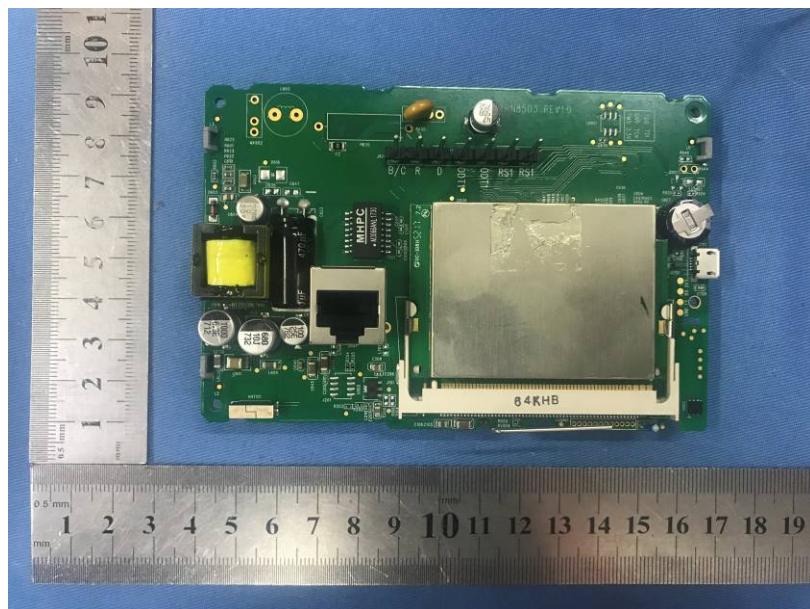
## 9 EUT Constructional Details

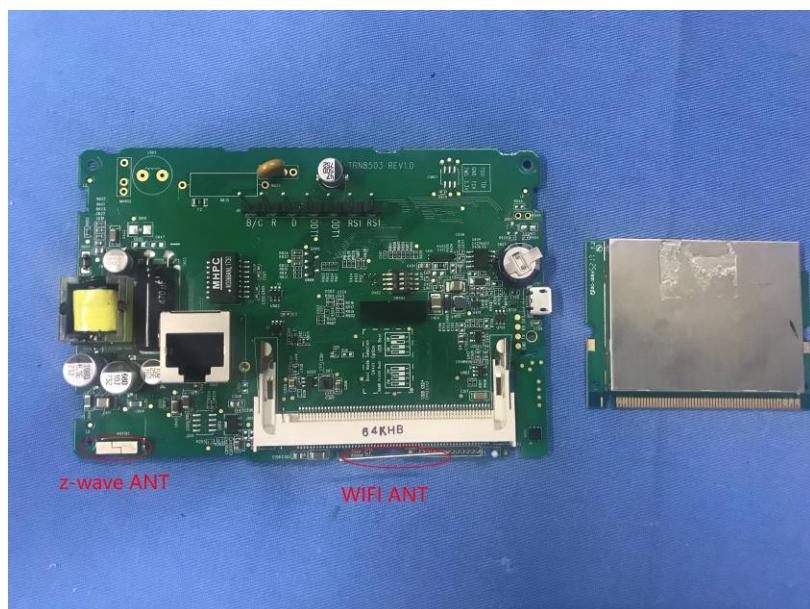


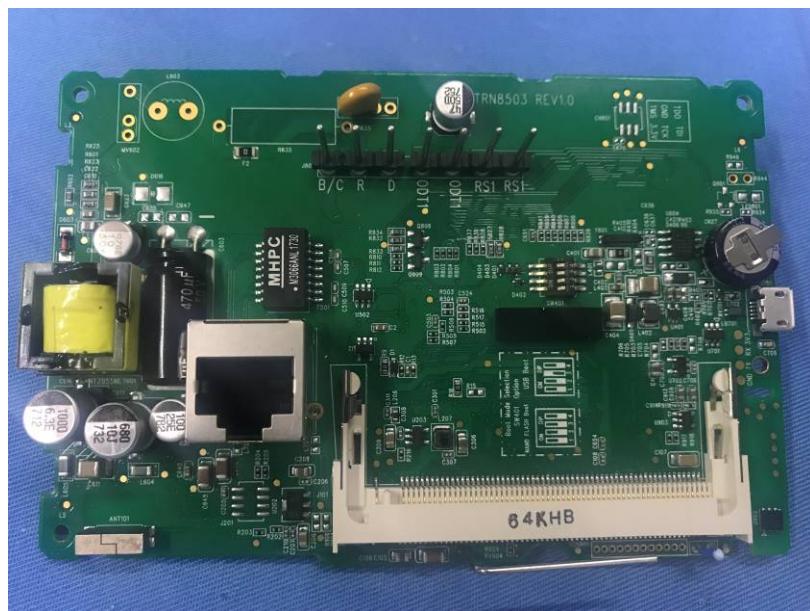


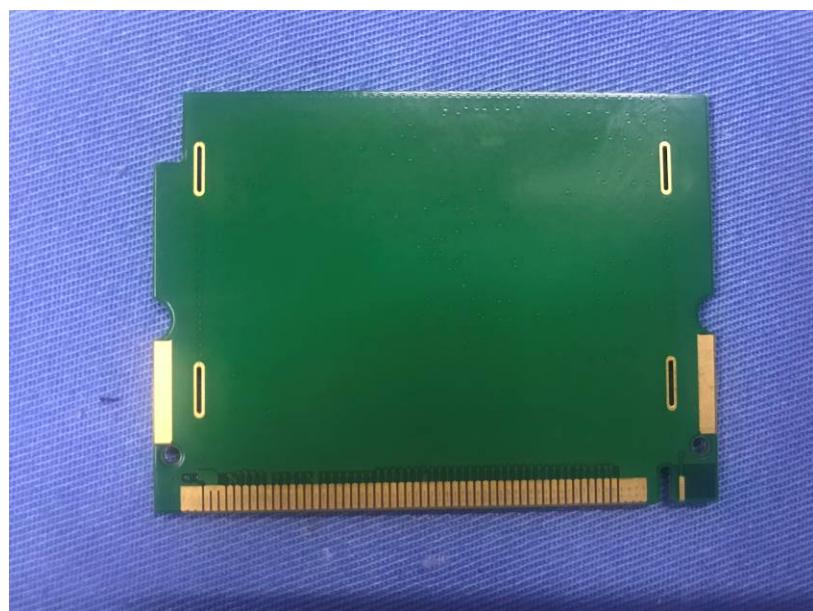












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