

FCC REPORT

Applicant: SiCon Design Technologies Pvt. Ltd

Address of Applicant: 4th floor, Sri Narayani Arcade 321-247/7-3-4, Kundalahalli,
ITPL Main Road, Brooke Field, Bangalore 560037

Equipment Under Test (EUT)

Product Name: stab

Model No.: SIC97WF01

FCC ID: QLOSIC97WF01

Applicable standards: FCC CFR Title 47 Part 15 Subpart C Section 15.247:2011

Date of sample receipt: 08 Oct., 2012

Date of Test: 09 Oct., to 08 Nov., 2012

Date of report issued: 14 Nov., 2012

Test Result : PASS *

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

Authorized Signature:



Bruce Zhang
Laboratory Manager

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product and does not permit the use of the CCIS product certification mark. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

This report may only be reproduced and distributed in full. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards.

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2 Version

Version No.	Date	Description
00	14 Nov., 2012	Original

Prepared By:



Engineering ADM

Date:

14 Nov., 2012

Check By:



Project Engineer

Date:

14 Nov., 2012

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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
26 EBW/6dB Occupied 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

Pass: The EUT complies with the essential requirements in the standard.

5 General Information

5.1 Client Information

Applicant:	SiCon Design Technologies Pvt. Ltd
Address of Applicant:	4th floor, Sri Narayani Arcade 321-247/7-3-4, Kundalahalli, ITPL Main Road, Brooke Field, Bangalore 560037
Manufacturer/ Factory:	SiCon Design Technologies Pvt. Ltd
Address of Manufacturer/ Factory:	4th floor, Sri Narayani Arcade 321-247/7-3-4, Kundalahalli, ITPL Main Road, Brooke Field, Bangalore 560037

5.2 General Description of E.U.T.

Product Name:	stab
Model No.:	SIC97WF01
Operation Frequency:	2412MHz~2462MHz (802.11b/802.11g/802.11n(H20); 2422MHz~2452MHz802.11n(H40))
Channel numbers:	11 for 802.11b/802.11g/802.11(H20) ; 7 for 802.11n(H40)
Channel separation:	5MHz
Modulation technology: (IEEE 802.11b)	Direct Sequence Spread Spectrum (DSSS)
Modulation technology: (IEEE 802.11g/802.11n)	Orthogonal Frequency Division Multiplexing(OFDM)
Data speed (IEEE 802.11b):	1Mbps, 2Mbps, 5.5Mbps, 11Mbps
Data speed (IEEE 802.11g):	6Mbps, 9Mbps, 12Mbps, 18Mbps, 24Mbps, 36Mbps, 48Mbps,54Mbps
Data speed (IEEE 802.11n):	Up to 150Mbps
Antenna Type:	PIFA antenna
Antenna gain:	-1.0 dBi
AC adapter:	Model: ZB-01-5020US Input: AC 100-240V~50/60Hz 0.5A MAX Output: DC 5.0V 2.0A
Power supply:	DC 3.7V Li-ion battery

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		

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:

802.11b/802.11g/802.11n (H20)

Channel	Frequency
The lowest channel	2412MHz
The middle channel	2437MHz
The Highest channel	2462MHz

802.11n (H40)

Channel	Frequency
The lowest channel	2422MHz
The middle channel	2437MHz
The Highest channel	2452MHz

5.3 Test environment and mode

Operating Environment:	
Temperature:	24.0 °C
Humidity:	54 % RH
Atmospheric Pressure:	1010 mbar
Test mode:	
Operation mode	Keep the EUT in continuous transmitting with modulation.

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:

Per-scan all kind of data rate in lowest channel, and found the follow list which it was worst case.

Mode	Data rate
802.11b	1Mbps
802.11g	6Mbps
802.11n(H20)	6.5Mbps
802.11n(H40)	13.0Mbps

Final Test Mode:

According to ANSI C63.4 standards, the test results are both the “worst case” and “worst setup” 1Mbps for 802.11b, 6Mbps for 802.11g, 6.5Mbps for 802.11n(H20), 13Mbps for 802.11n(H40). Duty cycle setting during the transmission is 100% with maximum power setting for all modulations.

5.4 Test Facility

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

● FCC —Registration No.: 817957

China Certification & Inspection 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 our files. Registration 817957, February 27, 2012

● Industry Canada (IC)

The 3m Semi-anechoic chamber of China Certification & Inspection Services Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1.

5.5 Test Location

All tests were performed at:
China Certification & Inspection Services Co., Ltd. Address: 1st Floor, Block No.2, Laodong Industrial Zone, Xixiang Road Baoan District, Shenzhen, China Tel: 0755-23118282 Fax: 0755-23116366

5.6 Other Information Requested by the Customer

None.

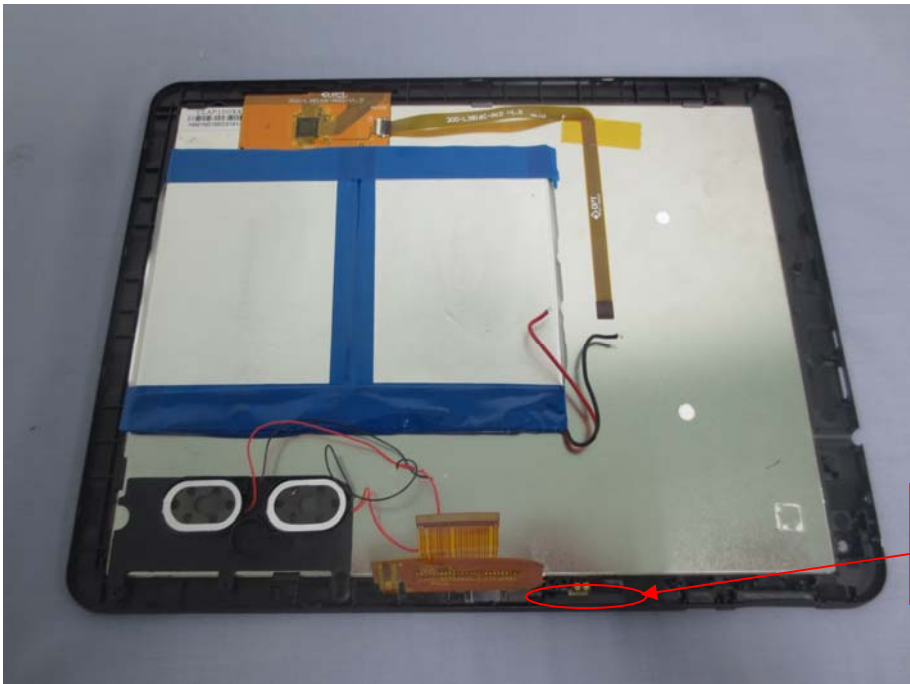
5.7 Test Instruments list

Radiated Emission:						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (dd-mm-yy)	Cal.Due date (dd-mm-yy)
1	3m Semi- Anechoic Chamber	SAEMC	9(L)*6(W)* 6(H)	CCIS0001	June 09 2012	June 08 2013
2	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	CCIS0005	June 04 2012	June 03 2013
3	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	CCIS0006	May 30 2012	May 29 2013
4	EMI Test Software	AUDIX	E3	N/A	N/A	N/A
5	Coaxial Cable	CCIS	N/A	CCIS0016	Apr. 01 2012	Mar. 31 2013
6	Coaxial Cable	CCIS	N/A	CCIS0017	Apr. 01 2012	Mar. 31 2013
7	Coaxial cable	CCIS	N/A	CCIS0018	Apr. 01 2012	Mar. 31 2013
8	Coaxial Cable	CCIS	N/A	CCIS0019	Apr. 01 2012	Mar. 31 2013
9	Coaxial Cable	CCIS	N/A	CCIS0087	Apr. 01 2012	Mar. 31 2013
10	Amplifier(10kHz-1.3GHz)	HP	8447D	CCIS0003	Apr. 01 2012	Mar. 31 2013
11	Amplifier(1GHz-18GHz)	Compliance Direction Systems Inc.	PAP-1G18	CCIS0011	June 09 2012	June 08 2013
12	Pre-amplifier (18-26GHz)	Rohde & Schwarz	AFS33-18002 650-30-8P-44	GTS218	Apr. 01 2012	Mar. 31 2013
13	Horn Antenna	ETS-LINDGREN	3160	GTS217	Mar. 30 2012	Mar. 29 2013
14	Printer	HP	HP LaserJet P1007	N/A	N/A	N/A
15	Positioning Controller	UC	UC3000	CCIS0015	N/A	N/A
16	EMI Test Receiver	Rohde & Schwarz	ESPI	CCIS0022	Apr 01 2012	Mar. 31 2013
17	Spectrum analyzer	Rohde & Schwarz	FSP	CCIS0023	May 29 2012	May 29 2013

Conducted Emission:						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (dd-mm-yy)	Cal.Due date (dd-mm-yy)
1	Shielding Room	ZhongShuo Electron	11.0(L)x4.0(W)x3.0(H)	CCIS0061	June 09 2012	June 08 2013
2	EMI Test Receiver	Rohde & Schwarz	ESCI	CCIS0002	May 25 2012	May 25 2013
3	LISN	CHASE	MN2050D	CCIS0074	Apr 01 2012	Mar. 31 2013
4	Coaxial Cable	CCIS	N/A	CCIS0086	Apr. 01 2012	Mar. 31 2013
5	Shielding Room	ZhongShuo Electron	11.0(L)x4.0(W)x3.0(H)	CCIS0061	June 09 2012	June 08 2013
6	EMI Test Software	AUDIX	E3	N/A	N/A	N/A

6 Test results and Measurement Data

6.1 Antenna requirement:

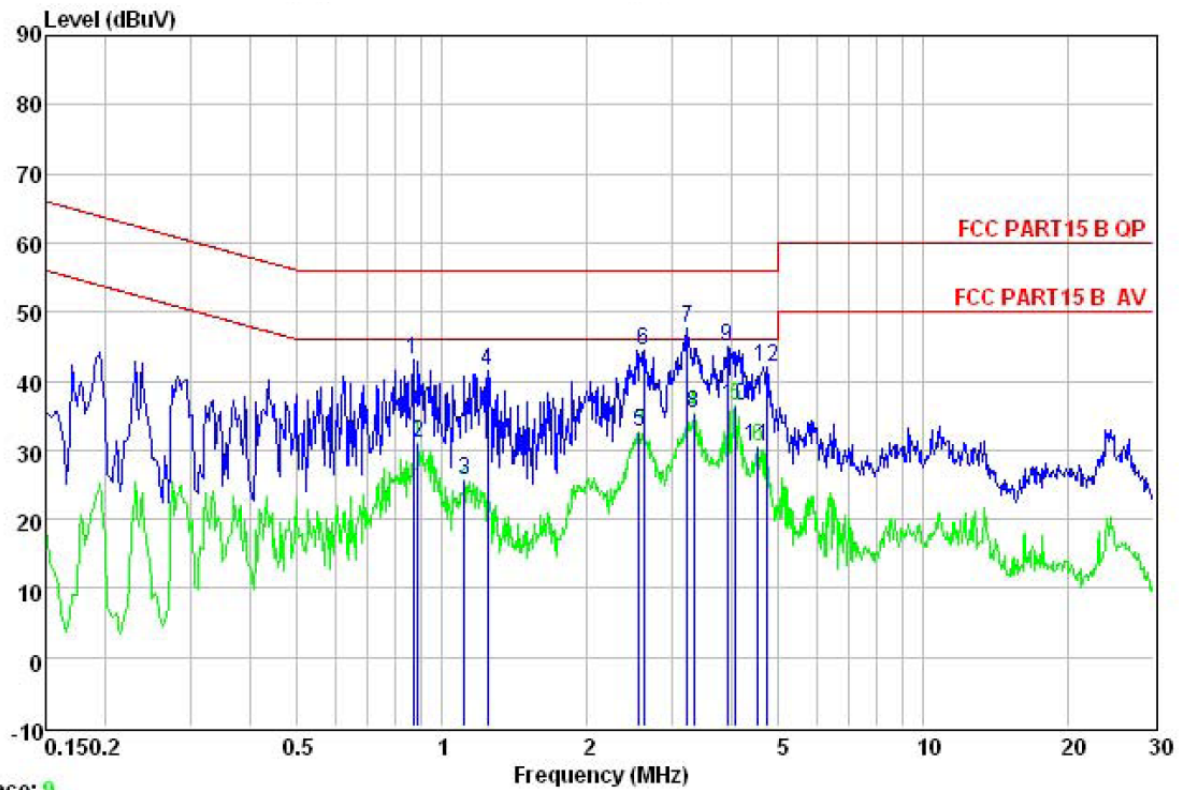
Standard requirement:	FCC Part15 C Section 15.203 /247(c)
<i>15.203 requirement:</i> <i>An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that 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.</i> <i>15.247(c) (1)(i) requirement:</i> <i>(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.</i>	
E.U.T Antenna:	
The antenna is PIFA antenna and no consideration of replacement. The typical gain of the antenna is -1.0dBi.	
	

6.2 Conducted Emissions

Test Requirement:	FCC Part15 C Section 15.207		
Test Method:	ANSI C63.4: 2003		
Test Frequency Range:	150kHz to 30MHz		
Class / Severity:	Class B		
Receiver setup:	RBW=9kHz, VBW=30kHz		
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 procedure	1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). The provide 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 refers 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 C63.4: 2003 on conducted measurement.		
Test setup:	Reference Plane LISN AUX Equipment E.U.T 40cm 80cm LISN Filter AC power EMI Receiver Test table/Insulation plane Remark E.U.T: Equipment Under Test LISN: Line Impedance Stabilization Network Test table height=0.8m		
Test Instruments:	Refer to section 5.7 for details		
Test mode:	Refer to section 5.3 for details		
Measurement Record:	Uncertainty: 3.28dB		
Test results:	Pass		

Measurement Data

Line:

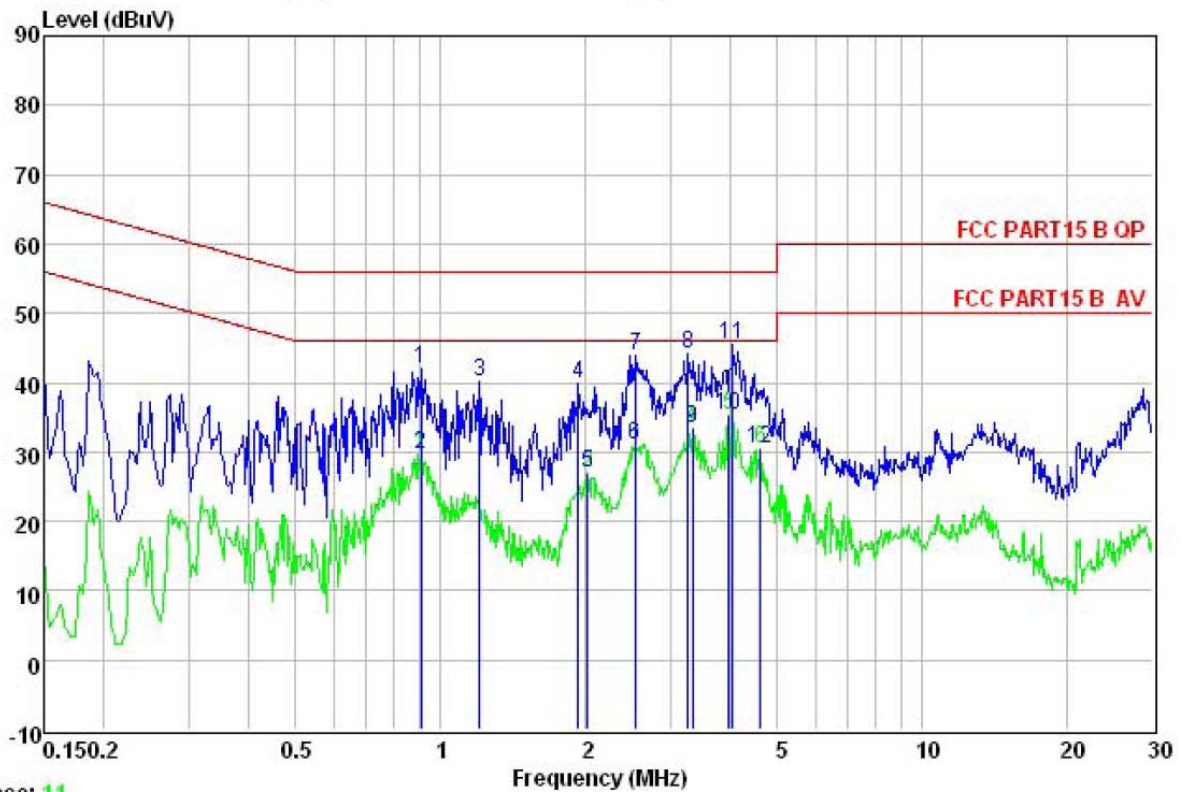


Trace: 9

Site : CCIS Conducted Test Site
 Condition : FCC PART15 B QP LISN LINE
 Job NO. : 190RF
 Test Mode : wifi mode
 Test engineer: Joe

	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.871	32.06	10.20	0.84	43.10	56.00	-12.90	Peak
2	0.890	20.01	10.20	0.84	31.05	46.00	-14.95	Average
3	1.111	14.71	10.22	0.80	25.73	46.00	-20.27	Average
4	1.242	30.43	10.23	0.69	41.35	56.00	-14.65	Peak
5	2.567	21.31	10.28	0.94	32.53	46.00	-13.47	Average
6	2.622	33.31	10.28	0.94	44.53	56.00	-11.47	Peak
7	3.224	36.35	10.29	0.90	47.54	56.00	-8.46	Peak
8	3.328	24.03	10.29	0.90	35.22	46.00	-10.78	Average
9	3.901	33.88	10.29	0.89	45.06	56.00	-10.94	Peak
10	4.070	25.07	10.29	0.89	36.25	46.00	-9.75	Average
11	4.525	19.31	10.29	0.88	30.48	46.00	-15.52	Average
12	4.721	30.80	10.28	0.87	41.95	56.00	-14.05	Peak

Neutral:



Trace: 11

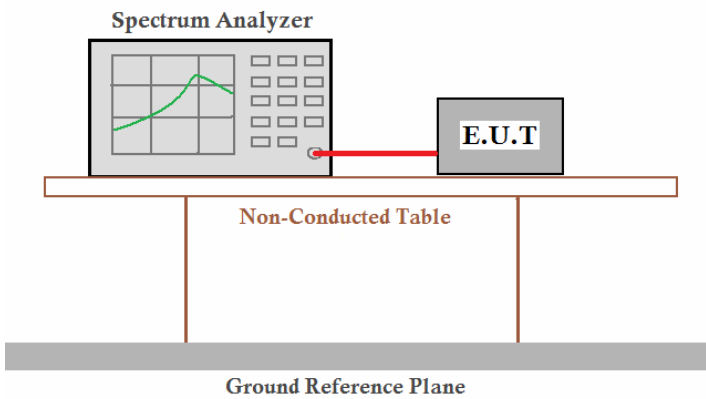
Site : CCIS Conducted Test Site
Condition : FCC PART15 B QP LISN NEUTRAL
Job NO. : 190RF
Test Mode : wifi mode
Test engineer: Joe

	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.909	30.93	10.19	0.85	41.97	56.00	-14.03	Peak
2	0.909	18.74	10.19	0.85	29.78	46.00	-16.22	Average
3	1.203	29.16	10.22	0.72	40.10	56.00	-15.90	Peak
4	1.928	29.50	10.27	0.02	39.79	56.00	-16.21	Peak
5	2.012	15.73	10.27	0.96	26.96	46.00	-19.04	Average
6	2.527	19.92	10.27	0.94	31.13	46.00	-14.87	Average
7	2.540	32.71	10.27	0.94	43.92	56.00	-12.08	Peak
8	3.258	32.99	10.28	0.90	44.17	56.00	-11.83	Peak
9	3.328	22.24	10.28	0.90	33.42	46.00	-12.58	Average
10	3.964	24.24	10.28	0.89	35.41	46.00	-10.59	Average
11	4.027	34.45	10.28	0.89	45.62	56.00	-10.38	Peak
12	4.598	19.29	10.28	0.88	30.45	46.00	-15.55	Average

Notes:

1. An initial pre-scan was performed on the live 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

6.3 Conducted Average Output Power

Test Requirement:	FCC Part15 C Section 15.247 (b)(3)
Test Method:	ANSI C63.4:2003 and KDB558074
Limit:	30dBm
Test setup:	
Test Instruments:	Refer to section 5.7 for details
Test mode:	Refer to section 5.3 for details
Test results:	Pass
Remark:	Test method refer to KDB558074 V02 (DTS Measure Guidance) section 8.2, option 1.

Measurement Data

Test CH	Maximum Conducted Output Power (dBm)				Limit(dBm)	Result
	802.11b	802.11g	802.11n(H20)	802.11n(H40)		
Lowest	12.73	10.79	9.93	9.61	30.00	Pass
Middle	12.38	10.48	9.73	9.37		
Highest	12.18	10.06	9.20	9.35		

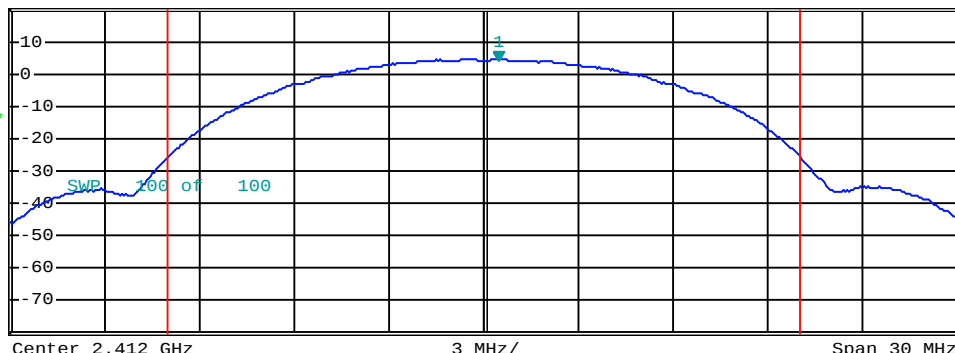
Test plot as follows:

Test mode:	802.11b
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1 RM
MAXH

Ref 20 dBm * Att 30 dB RBW 1 MHz VBW 3 MHz SWT 2.5 ms Marker 1 [T1] 4.60 dBm 2.412420000 GHz



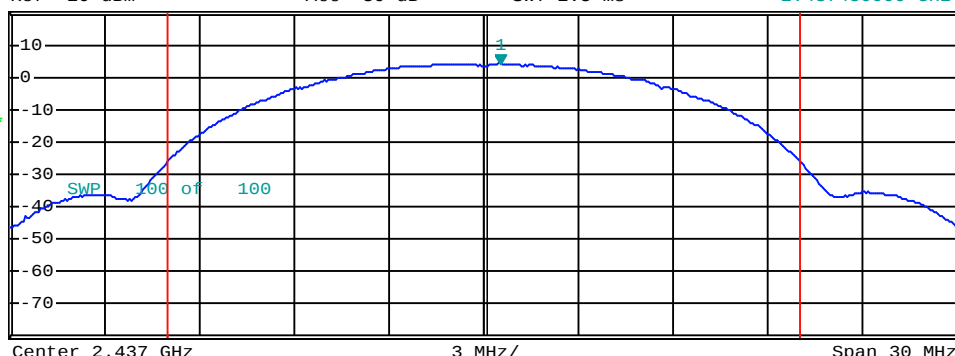
Tx Channel
Bandwidth 20 MHz Power 12.73 dBm

Lowest channel



1 RM
MAXH

Ref 20 dBm * Att 30 dB RBW 1 MHz VBW 3 MHz SWT 2.5 ms Marker 1 [T1] 4.23 dBm 2.437480000 GHz



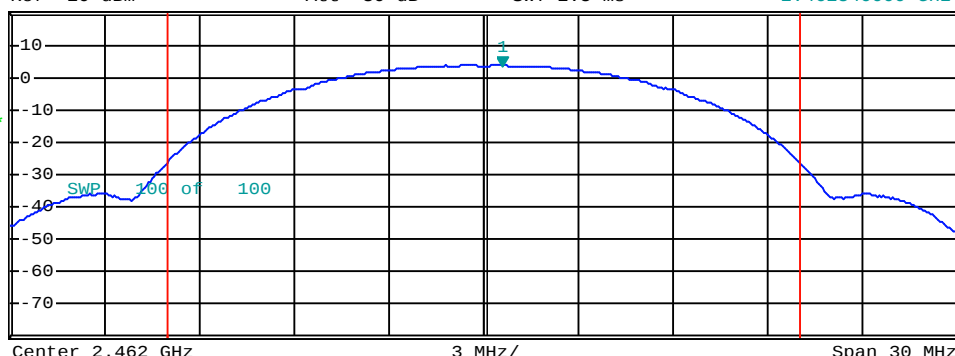
Tx Channel
Bandwidth 20 MHz Power 12.38 dBm

Middle channel



1 RM
MAXH

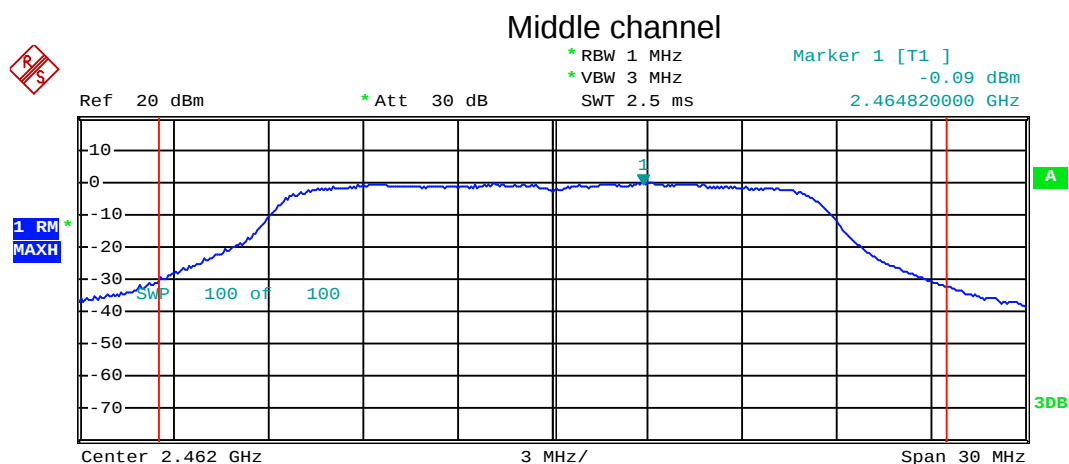
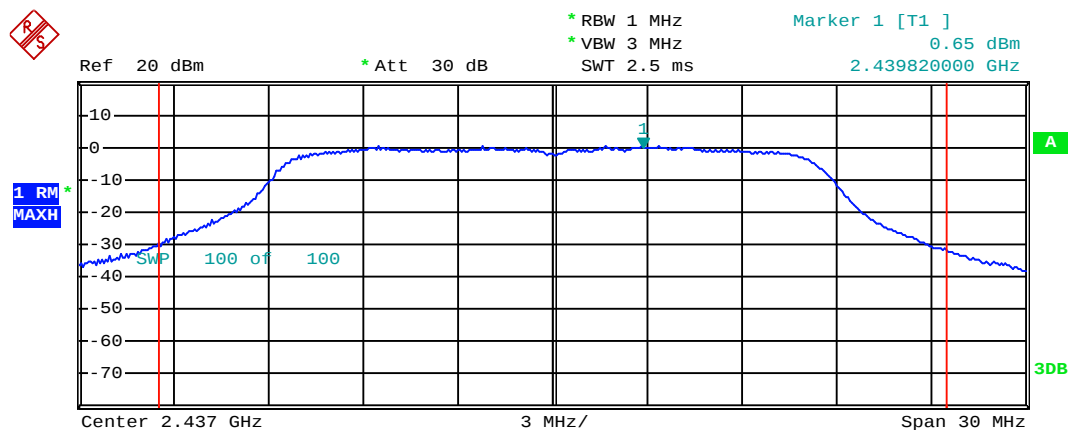
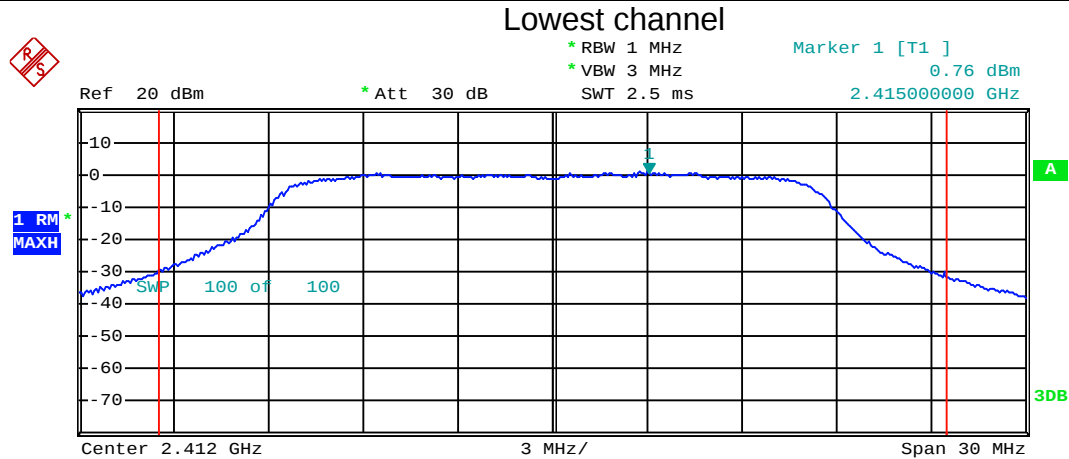
Ref 20 dBm * Att 30 dB RBW 1 MHz VBW 3 MHz SWT 2.5 ms Marker 1 [T1] 3.96 dBm 2.462540000 GHz



Tx Channel
Bandwidth 20 MHz Power 12.18 dBm

Highest channel

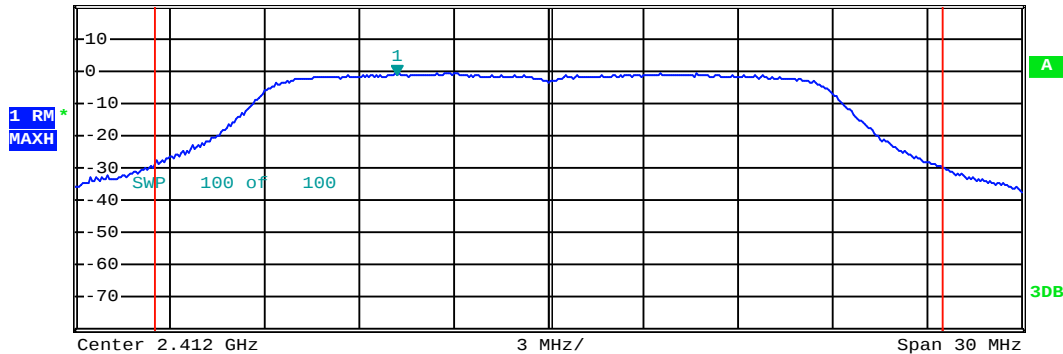
Test mode:	802.11g
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Test mode:	802.11n(H20)
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Ref 20 dBm * Att 30 dB * RBW 1 MHz Marker 1 [T1] -0.81 dBm
* VBW 3 MHz 2.407140000 GHz
SWT 2.5 ms

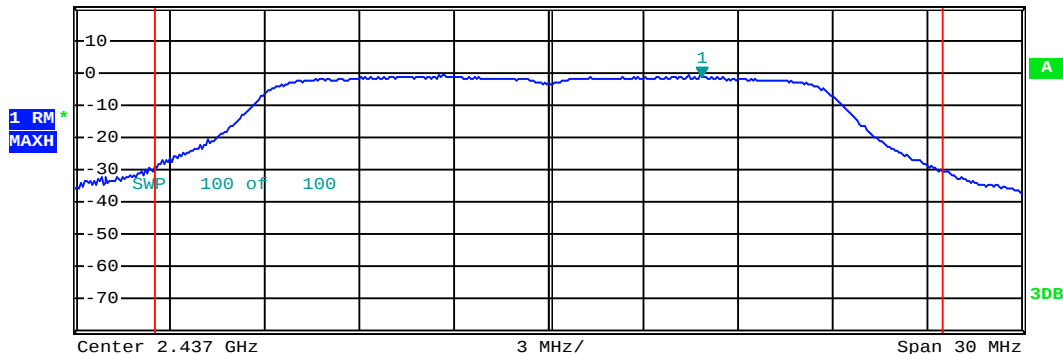


Tx Channel1
Bandwidth 25 MHz Power 9.93 dBm

Lowest channel



Ref 20 dBm * Att 30 dB * RBW 1 MHz Marker 1 [T1] -0.67 dBm
* VBW 3 MHz 2.441800000 GHz
SWT 2.5 ms

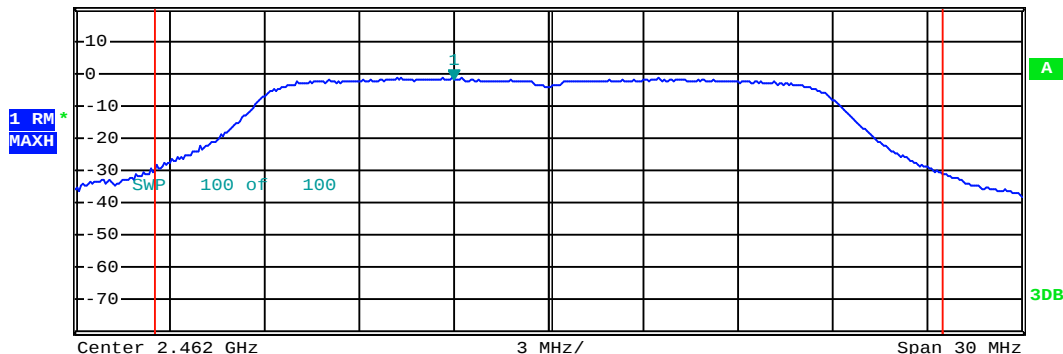


Tx Channel1
Bandwidth 25 MHz Power 9.73 dBm

Middle channel



Ref 20 dBm * Att 30 dB * RBW 1 MHz Marker 1 [T1] -1.31 dBm
* VBW 3 MHz 2.458940000 GHz
SWT 2.5 ms



Tx Channel1
Bandwidth 25 MHz Power 9.20 dBm

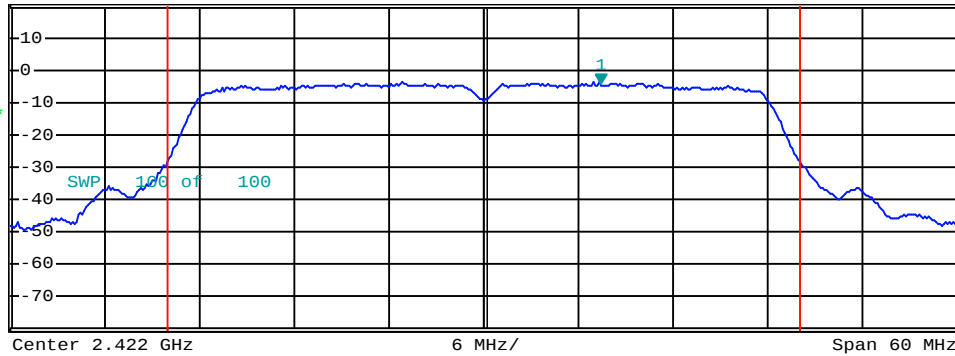
Highest channel

Test mode:	802.11n(H40)
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Ref 20 dBm * Att 30 dB RBW 1 MHz Marker 1 [T1] -3.65 dBm
VBW 3 MHz 2.429320000 GHz
SWT 2.5 ms

1 RM
MAXH



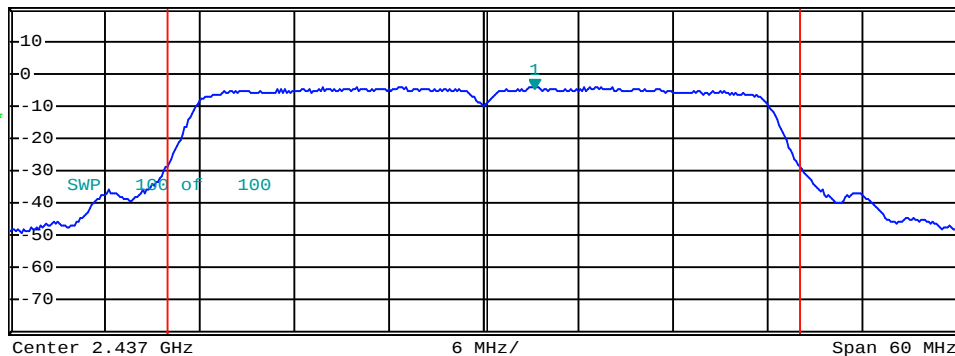
Tx Channel
Bandwidth 40 MHz Power 9.61 dBm

Lowest channel



Ref 20 dBm * Att 30 dB RBW 1 MHz Marker 1 [T1] -4.10 dBm
VBW 3 MHz 2.440120000 GHz
SWT 2.5 ms

1 RM
MAXH



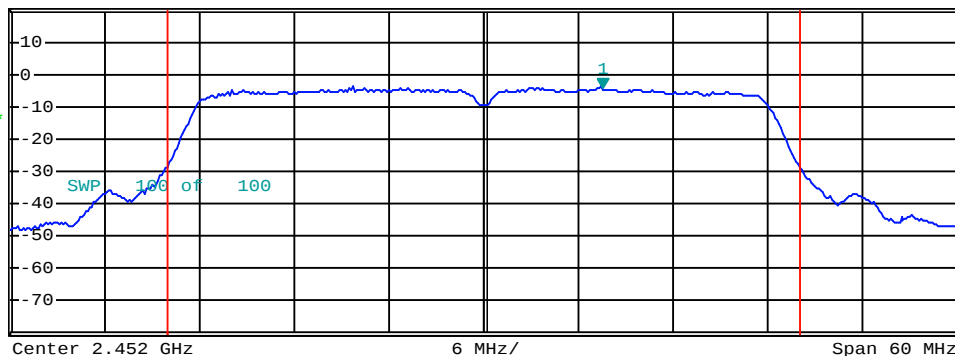
Tx Channel
Bandwidth 40 MHz Power 9.37 dBm

Middle channel



Ref 20 dBm * Att 30 dB RBW 1 MHz Marker 1 [T1] -3.53 dBm
VBW 3 MHz 2.459440000 GHz
SWT 2.5 ms

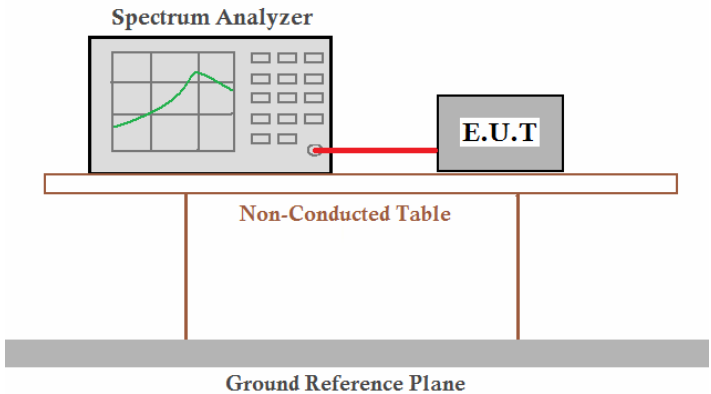
1 RM
MAXH



Tx Channel
Bandwidth 40 MHz Power 9.35 dBm

Highest channel

6.4 Occupy Bandwidth

Test Requirement:	FCC Part15 C Section 15.247 (a)(2)
Test Method:	ANSI C63.4:2003 and KDB558074
Limit:	>500kHz
Test setup:	
Test Instruments:	Refer to section 5.7 for details
Test mode:	Refer to section 5.3 for details
Test results:	Pass

Measurement Data

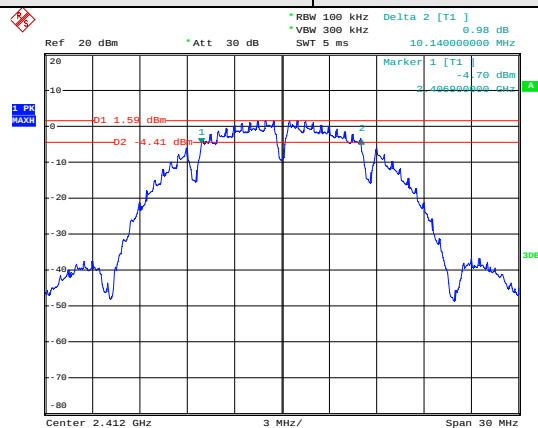
Test CH	6dB Occupy Bandwidth (MHz)				Limit(kHz)	Result
	802.11b	802.11g	802.11n(H20)	802.11n(H40)		
Lowest	10.14	16.62	17.76	36.48	>500	Pass
Middle	10.14	16.56	17.76	36.48		
Highest	10.14	16.56	17.76	36.48		

Test CH	26dB Emission Bandwidth (MHz)				Limit(kHz)	Result
	802.11b	802.11g	802.11n(H20)	802.11n(H40)		
Lowest	18.42	19.98	22.08	35.73	N/A	N/A
Middle	18.36	19.98	22.14	39.00		
Highest	18.30	20.04	22.14	39.00		

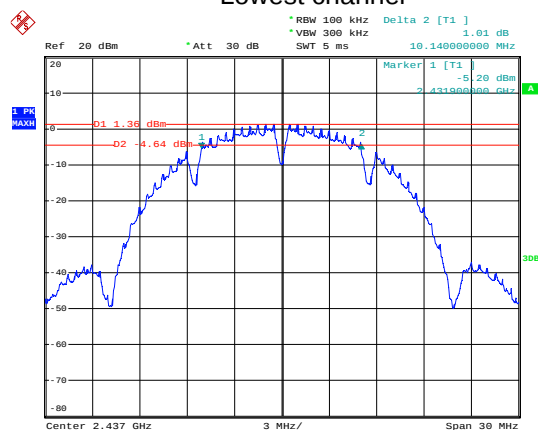
Test plot as follows:

Test mode:6dB BW

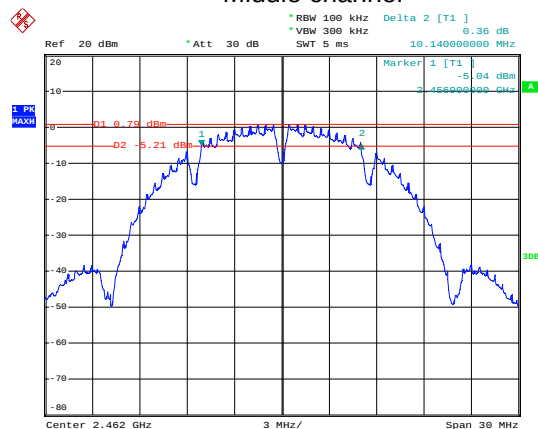
802.11b



Lowest channel



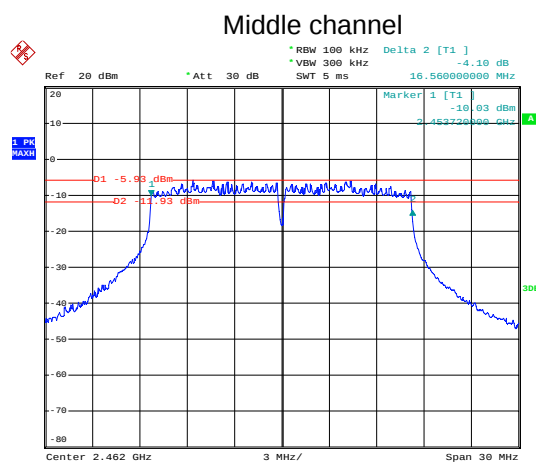
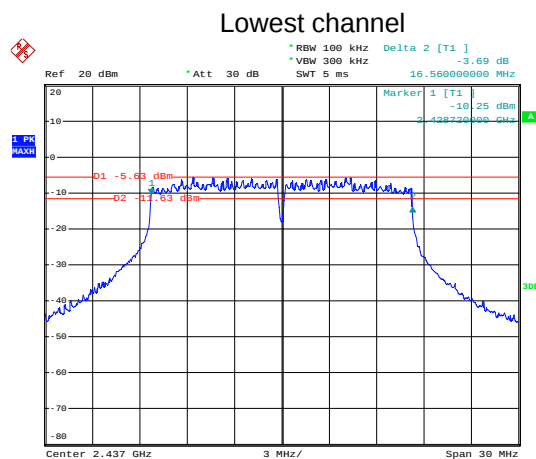
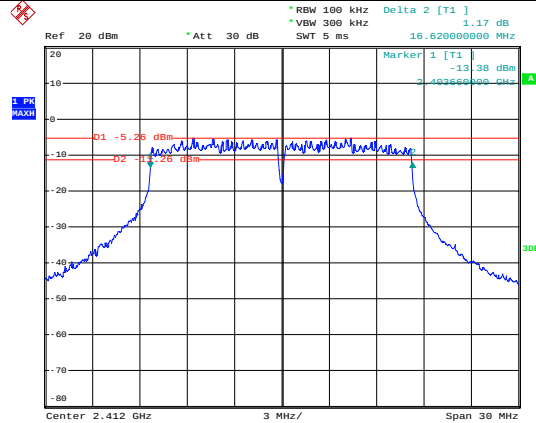
Middle channel



Highest channel

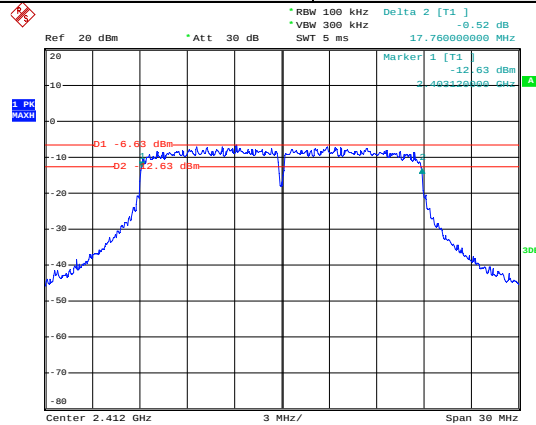
Test mode:6dB BW

802.11g

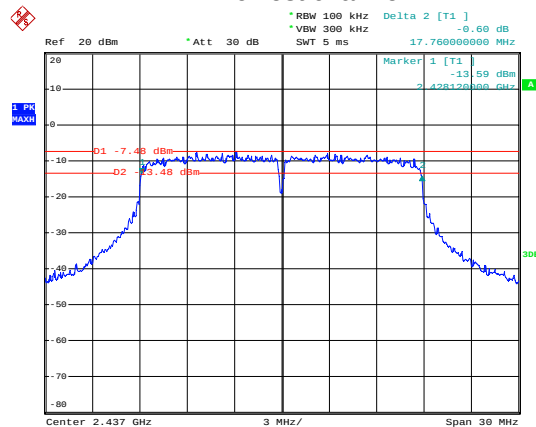


Test mode:6dB BW

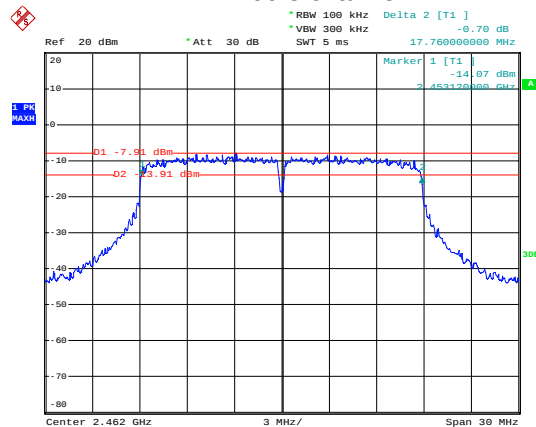
802.11n(H20)



Lowest channel



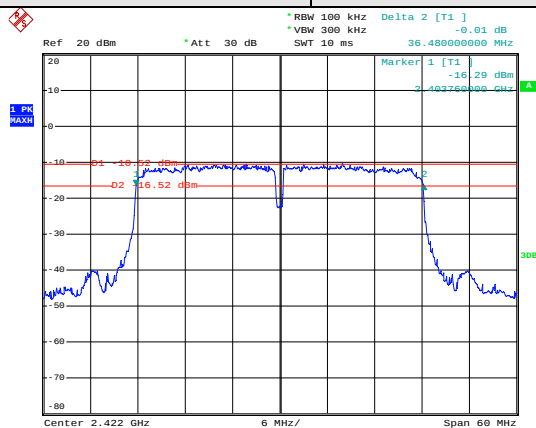
Middle channel



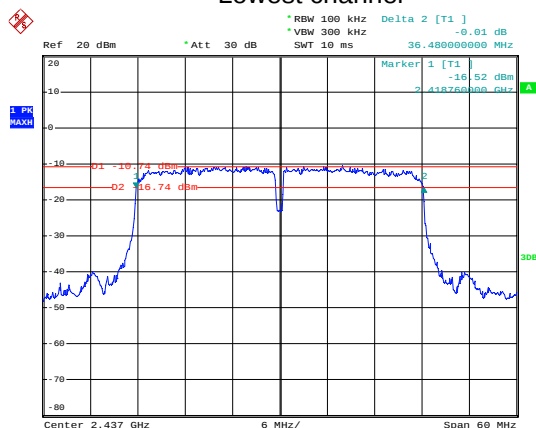
Highest channel

Test mode:6dB BW

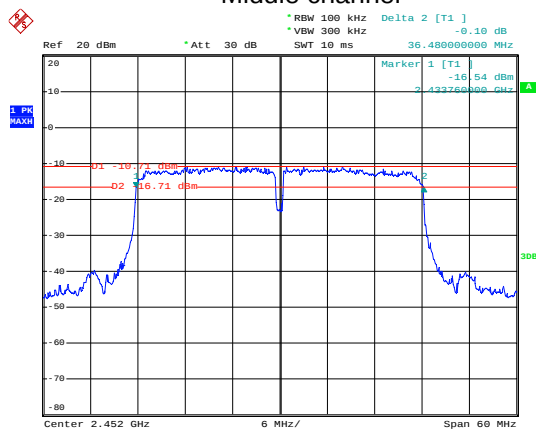
802.11n(H40)



Lowest channel



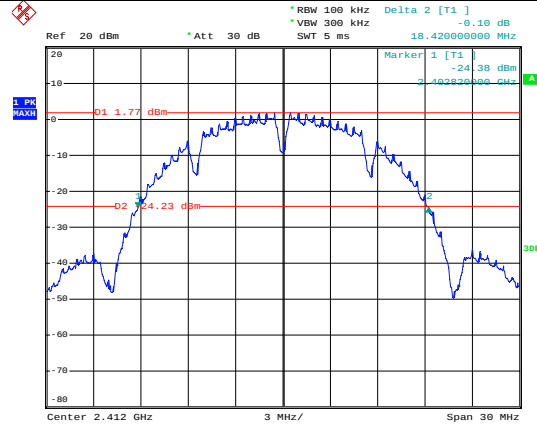
Middle channel



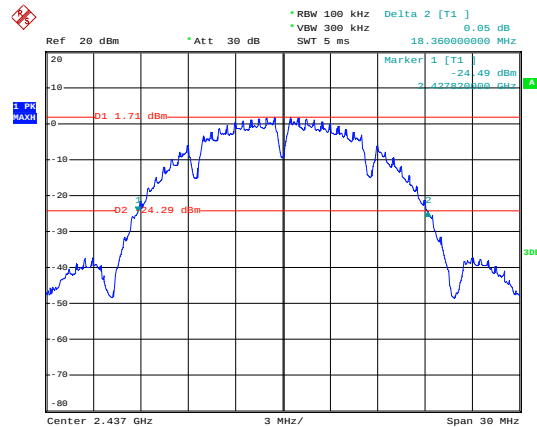
Highest channel

Test mode:26dB EBW

802.11b

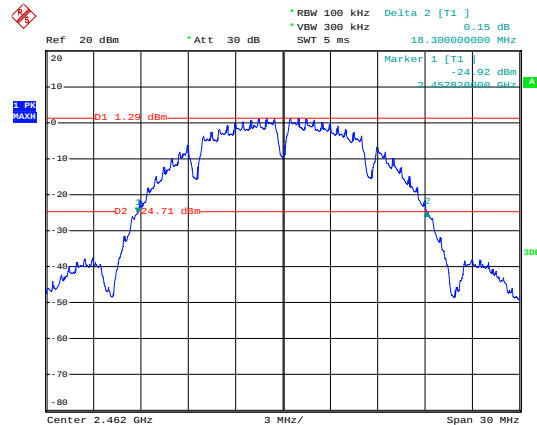


Lowest channel



7470410.0M.0

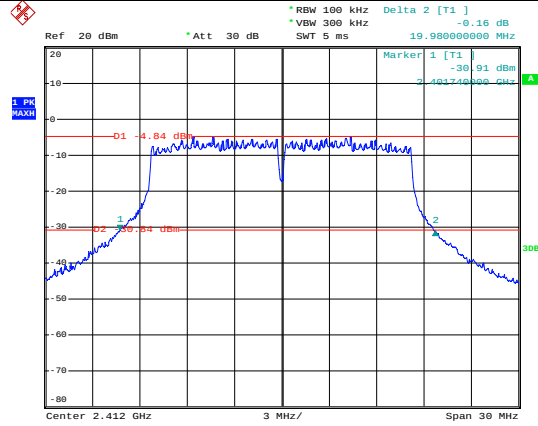
Middle channel



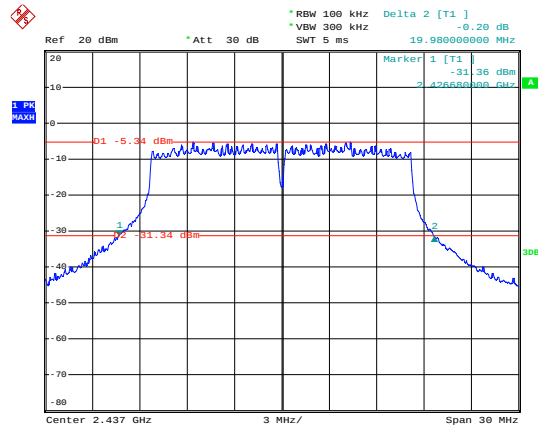
Highest channel

Test mode:26dB EBW

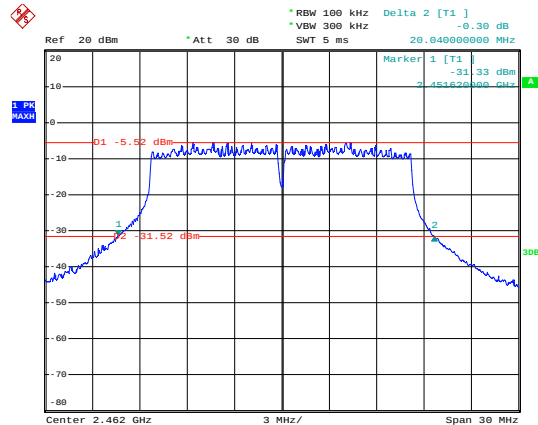
802.11g



Lowest channel



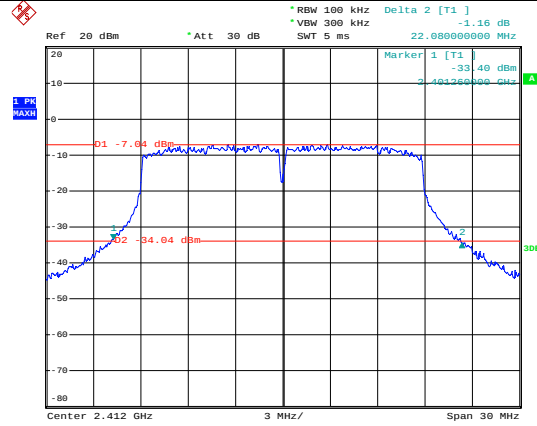
Middle channel



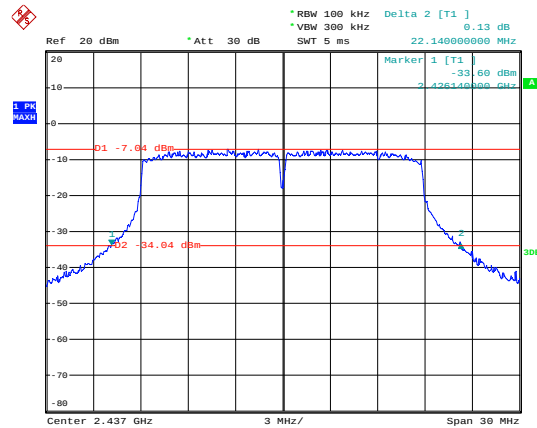
Highest channel

Test mode:26dB EBW

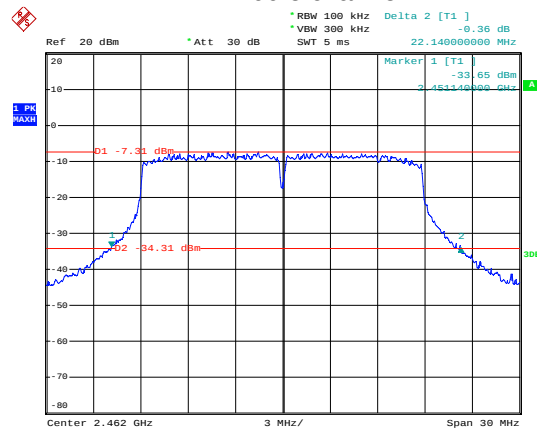
802.11n(H20)



Lowest channel



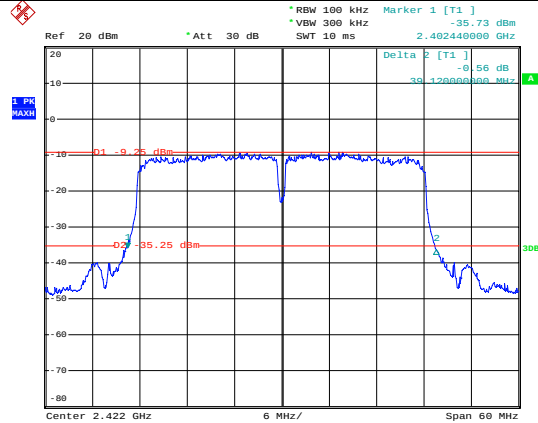
Middle channel



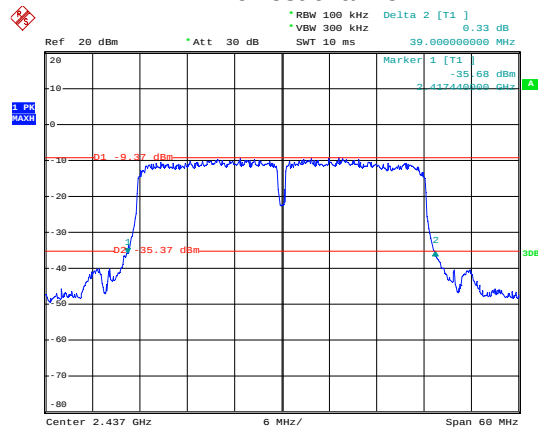
Highest channel

Test mode:26dB EBW

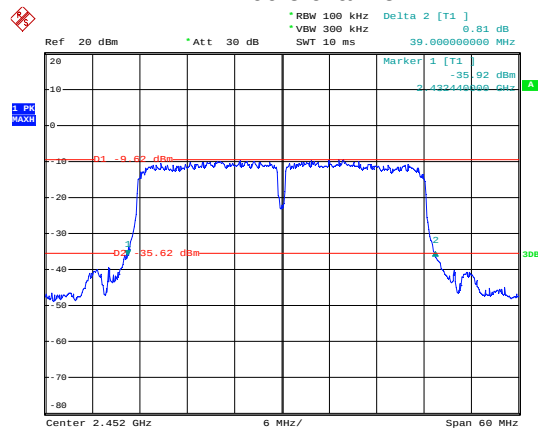
802.11n(H40)



Lowest channel

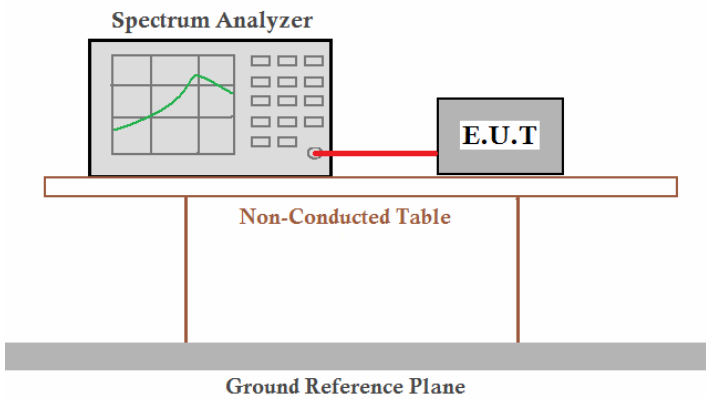


Middle channel



Highest channel

6.5 Power Spectral Density

Test Requirement:	FCC Part15 C Section 15.247 (e)
Test Method:	ANSI C63.4:2003 and KDB558074
Limit:	8dBm
Test setup:	
Test Instruments:	Refer to section 5.7 for details
Test mode:	Refer to section 5.3 for details
Test results:	Pass

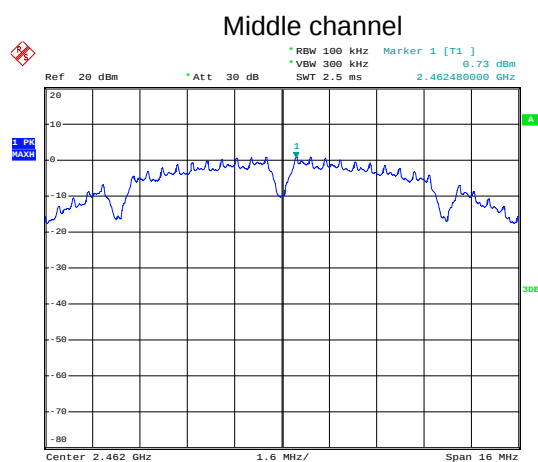
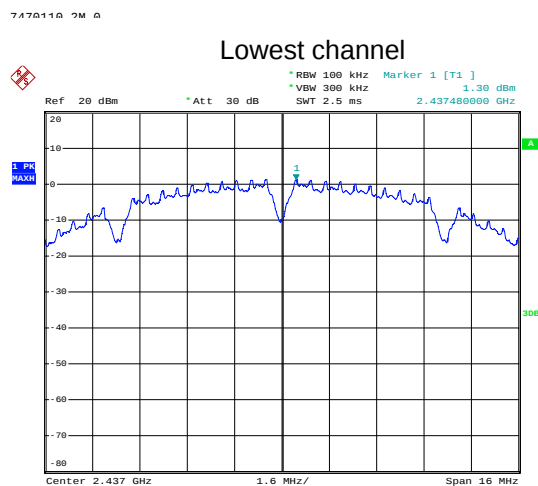
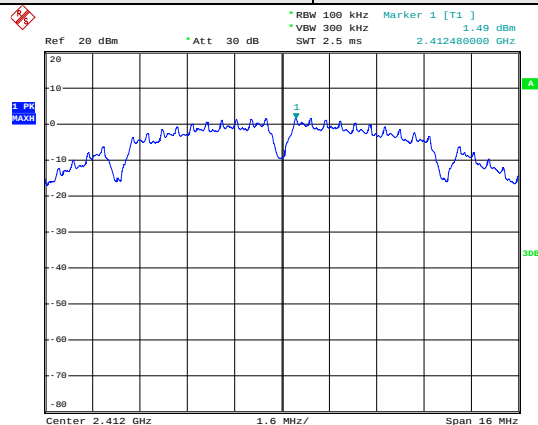
Measurement Data

Test CH	Power Spectral Density (dBm)				Limit(dBm)	Result
	802.11b	802.11g	802.11n(H20)	802.11n(H40)		
Lowest	1.49	-5.16	-6.65	-10.53	8.00	Pass
Middle	1.30	-5.53	-7.50	-10.48		
Highest	0.73	-5.88	-7.84	-10.74		

Test plot as follows:

Test mode:

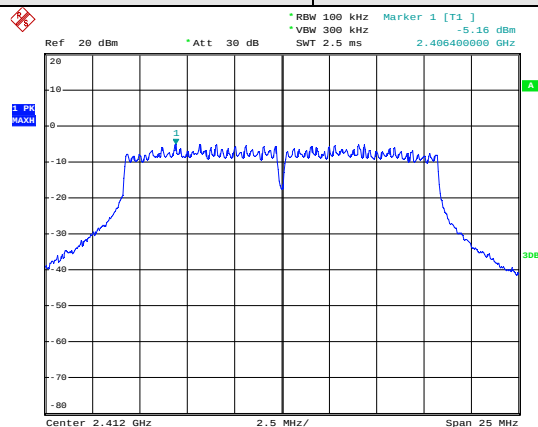
802.11b



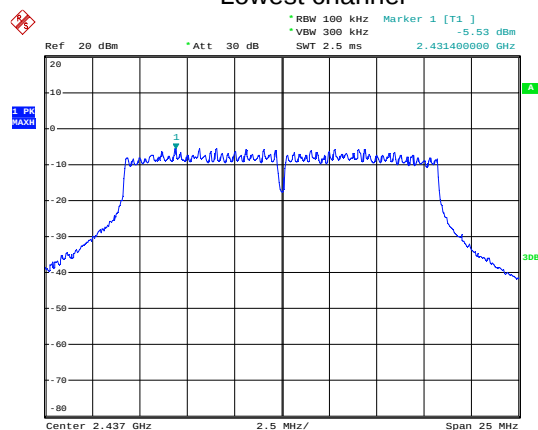
Highest channel

Test mode:

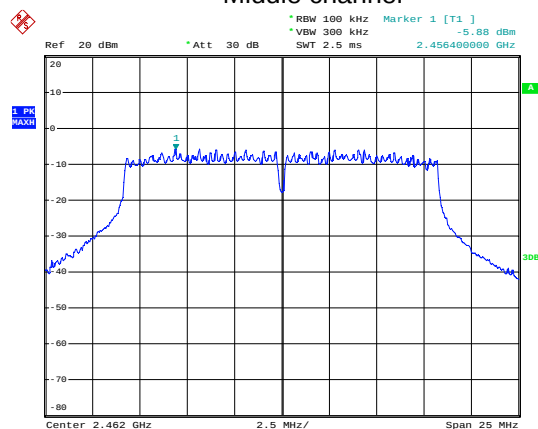
802.11g



Lowest channel



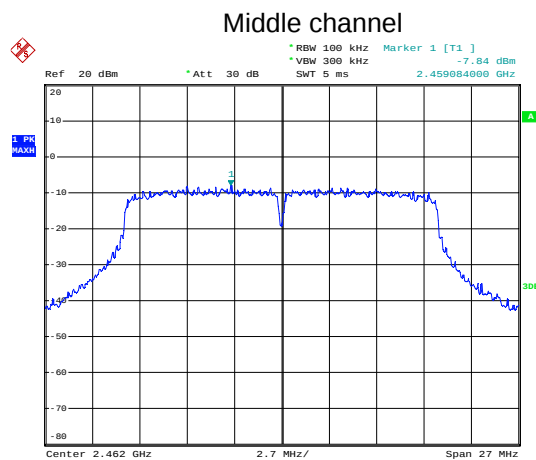
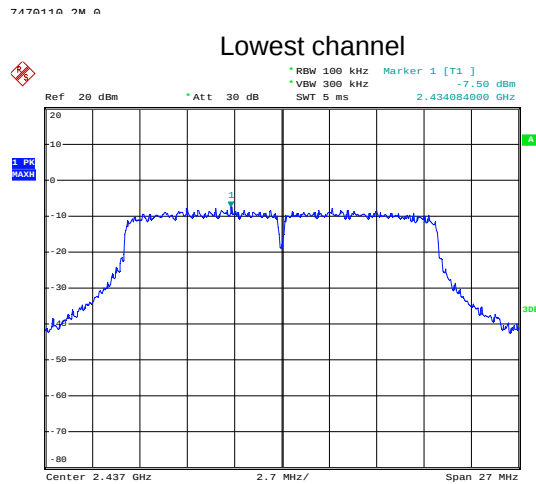
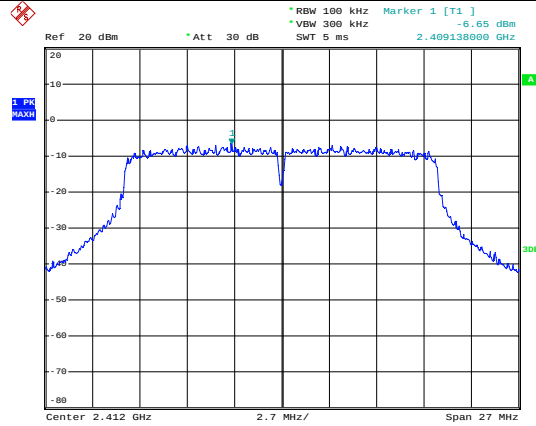
Middle channel



Highest channel

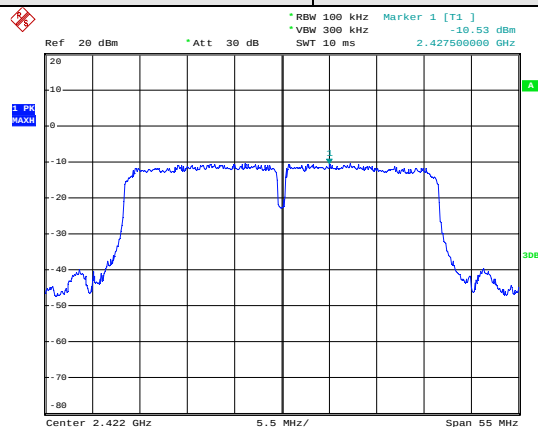
Test mode:

802.11n(H20)

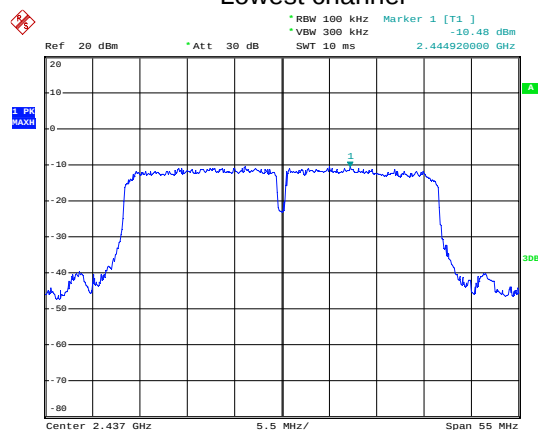


Test mode:

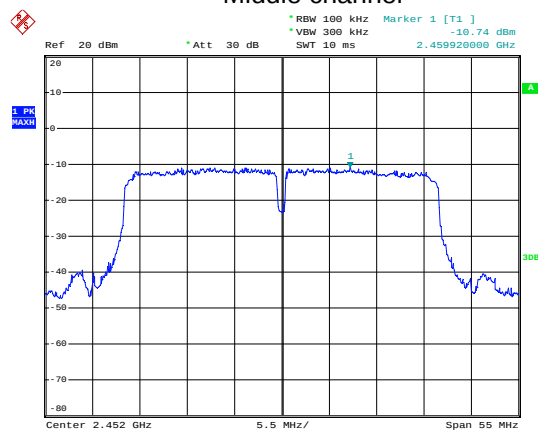
802.11n(H40)



Lowest channel



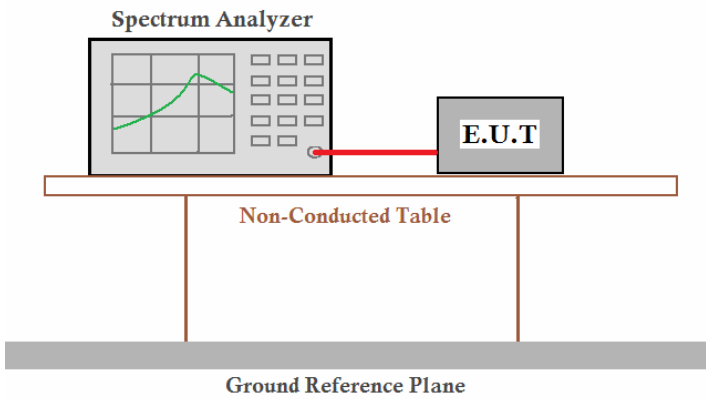
Middle channel



Highest channel

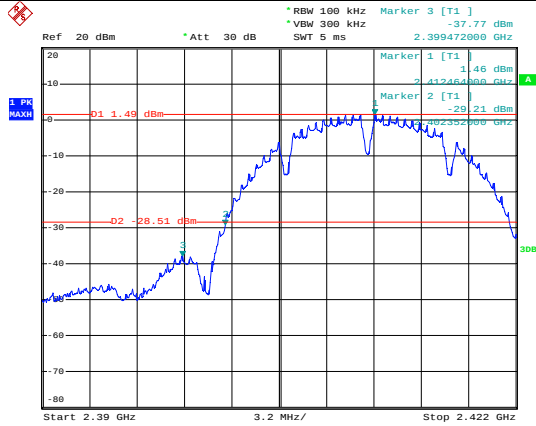
6.6 Band Edge

6.6.1 Conducted Emission Method

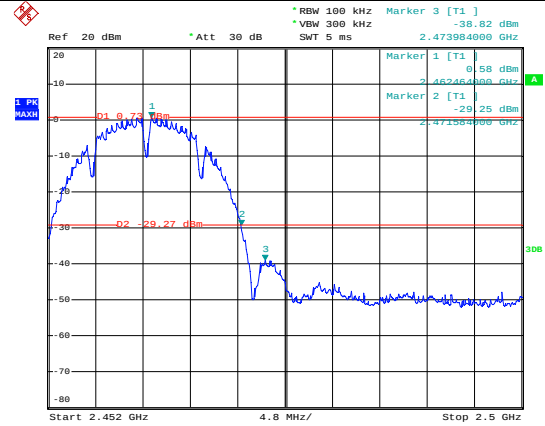
Test Requirement:	FCC Part15 C Section 15.247 (d)
Test Method:	ANSI C63.4:2003 and KDB558074
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 30 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:	 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.
Test Instruments:	Refer to section 5.7 for details
Test mode:	Refer to section 5.3 for details
Test results:	Pass

Test plot as follows:

Test mode:	802.11b
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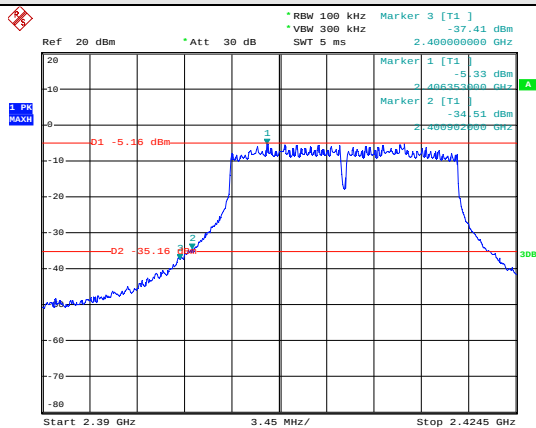


Lowest channel

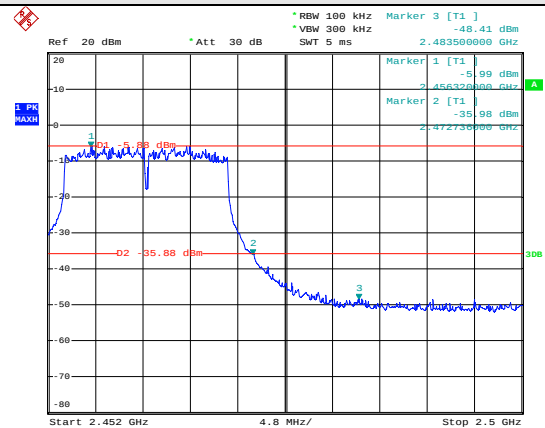


Highest channel

Test mode:	802.11g
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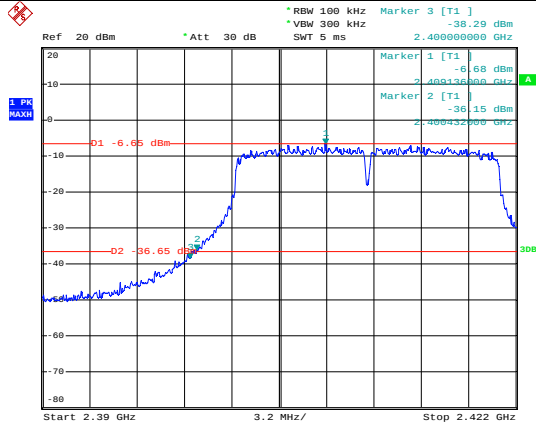


Lowest channel

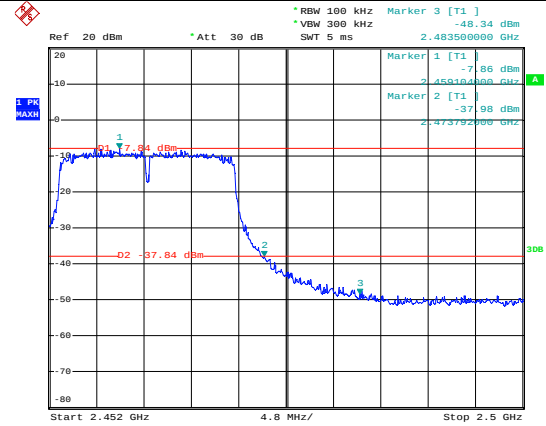


Highest channel

Test mode:	802.11n(H20)
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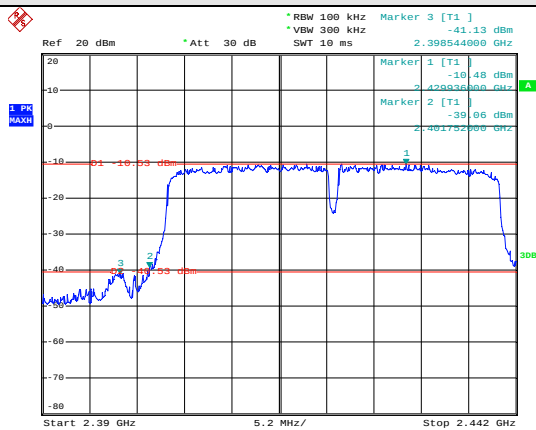


Lowest channel

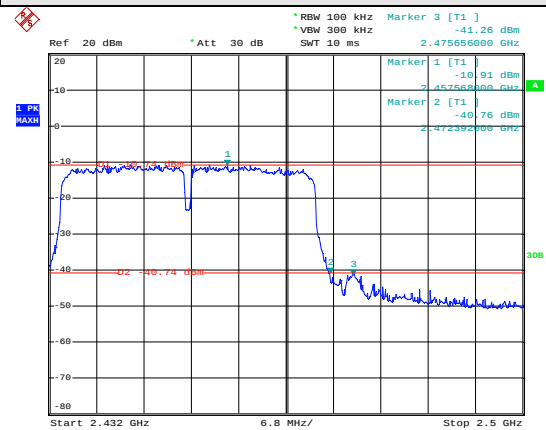


Highest channel

Test mode:	802.11n(H40)
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Lowest channel



Highest channel

6.6.2 Radiated Emission Method

Test Requirement:	FCC Part15 C Section 15.209 and 15.205																		
Test Method:	ANSI C63.4: 2003																		
Test Frequency Range:	2.3GHz to 2.5GHz																		
Test site:	Measurement Distance: 3m																		
Receiver setup:	<table><tr><td>Frequency</td><td>Detector</td><td>RBW</td><td>VBW</td><td>Remark</td></tr><tr><td rowspan="2">Above 1GHz</td><td>Peak</td><td>1MHz</td><td>3MHz</td><td>Peak Value</td></tr><tr><td>Peak</td><td>1MHz</td><td>10Hz</td><td>Average Value</td></tr></table>					Frequency	Detector	RBW	VBW	Remark	Above 1GHz	Peak	1MHz	3MHz	Peak Value	Peak	1MHz	10Hz	Average Value
Frequency	Detector	RBW	VBW	Remark															
Above 1GHz	Peak	1MHz	3MHz	Peak Value															
	Peak	1MHz	10Hz	Average Value															
Limit:	<table><tr><td>Frequency</td><td>Limit (dBuV/m @3m)</td><td>Remark</td></tr><tr><td rowspan="2">Above 1GHz</td><td>54.00</td><td>Average Value</td></tr><tr><td>74.00</td><td>Peak Value</td></tr></table>					Frequency	Limit (dBuV/m @3m)	Remark	Above 1GHz	54.00	Average Value	74.00	Peak Value						
Frequency	Limit (dBuV/m @3m)	Remark																	
Above 1GHz	54.00	Average Value																	
	74.00	Peak Value																	
Test Procedure:																			

802.11b

Test channel:		Lowest			Level:		Peak	
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
2390.00	51.47	27.59	3.33	30.10	52.29	74.00	-21.71	Vertical
2400.00	55.63	27.58	3.37	30.10	56.48	74.00	-17.52	Vertical
2390.00	52.82	27.59	3.33	30.10	53.64	74.00	-20.36	Horizontal
2400.00	56.69	27.58	3.37	30.10	57.54	74.00	-16.46	Horizontal

Test channel:		Lowest			Level:		Average	
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
2390.00	35.11	27.59	3.33	30.10	35.93	54.00	-18.07	Vertical
2400.00	38.62	27.58	3.37	30.10		54.00	-14.53	Vertical
2390.00	36.46	27.59	3.33	30.10	37.28	54.00	-16.72	Horizontal
2400.00	39.68	27.58	3.37	30.10	40.53	54.00	-13.47	Horizontal

Test channel:		Highest			Level:		Peak	
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	55.91	27.53	3.49	29.93	57.00	74.00	-17.00	Horizontal
2500.00	52.01	27.55	3.52	30.70	52.38	74.00	-21.62	Horizontal
2483.50	57.07	27.53	3.49	29.93	58.16	74.00	-15.84	Vertical
2500.00	53.41	27.55	3.52	30.70	53.78	74.00	-20.22	Vertical

Test channel:		Highest			Level:		Average	
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	38.87	27.53	3.49	29.93	39.96	54.00	-14.04	Horizontal
2500.00	34.30	27.55	3.52	30.70		54.00	-19.33	Horizontal
2483.50	40.27	27.53	3.49	29.93	41.36	54.00	-12.64	Vertical
2500.00	35.46	27.55	3.52	30.70	35.83	54.00	-18.17	Vertical

802.11g

Test channel:		Lowest			Level:		Peak	
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
2390.00	49.92	27.59	3.33	30.10	50.74	74.00	-23.26	Horizontal
2400.00	54.01	27.58	3.37	30.10	54.86	74.00	-19.14	Horizontal
2390.00	51.46	27.59	3.33	30.10	52.28	74.00	-21.72	Vertical
2400.00	55.29	27.58	3.37	30.10	56.14	74.00	-17.86	Vertical

Test channel:		Lowest			Level:		Average	
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
2390.00	35.18	27.59	3.33	30.10	36.00	54.00	-18.00	Horizontal
2400.00	39.10	27.58	3.37	30.10	39.95	54.00	-14.05	Horizontal
2390.00	37.16	27.59	3.33	30.10	37.98	54.00	-16.02	Vertical
2400.00	40.91	27.58	3.37	30.10	41.76	54.00	-12.24	Vertical

Test channel:		Highest			Level:		Peak	
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	54.70	27.53	3.49	29.93	55.79	74.00	-18.21	Horizontal
2500.00	50.75	27.55	3.52	30.70	51.12	74.00	-22.88	Horizontal
2483.50	55.96	27.53	3.49	29.93	57.05	74.00	-16.95	Vertical
2500.00	52.35	27.55	3.52	30.70	52.72	74.00	-21.28	Vertical

Test channel:		Highest			Level:		Average	
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	40.29	27.53	3.49	29.93	41.38	54.00	-12.62	Horizontal
2500.00	36.03	27.55	3.52	30.70	36.40	54.00	-17.60	Horizontal
2483.50	40.60	27.53	3.49	29.93	41.69	54.00	-12.31	Vertical
2500.00	36.17	27.55	3.52	30.70	36.54	54.00	-17.46	Vertical

802.11n (H20)

Test channel:		Lowest			Level:		Peak	
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2390.00	51.06	27.59	3.33	30.10	51.88	74.00	-22.12	Horizontal
2400.00	56.46	27.58	3.37	30.10	57.31	74.00	-16.69	Horizontal
2390.00	51.62	27.59	3.33	30.10	52.44	74.00	-21.56	Vertical
2400.00	55.53	27.58	3.37	30.10	56.38	74.00	-17.62	Vertical

Test channel:		Lowest			Level:		Average	
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2390.00	37.39	27.59	3.33	30.10	38.21	54.00	-15.79	Horizontal
2400.00	41.33	27.58	3.37	30.10	42.18	54.00	-11.82	Horizontal
2390.00	36.95	27.59	3.33	30.10	37.77	54.00	-16.23	Vertical
2400.00	40.67	27.58	3.37	30.10	41.52	54.00	-12.48	Vertical

Test channel:		Highest			Level:		Peak	
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	54.58	27.53	3.49	29.93	55.67	74.00	-18.33	Horizontal
2500.00	50.19	27.55	3.52	30.70	50.56	74.00	-23.44	Horizontal
2483.50	54.26	27.53	3.49	29.93	55.35	74.00	-18.65	Vertical
2500.00	49.35	27.55	3.52	30.70	49.72	74.00	-24.28	Vertical

Test channel:		Highest			Level:		Average	
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	40.57	27.53	3.49	29.93	41.66	54.00	-12.34	Horizontal
2500.00	37.44	27.55	3.52	30.70	37.81	54.00	-16.19	Horizontal
2483.50	39.62	27.53	3.49	29.93	40.71	54.00	-13.29	Vertical
2500.00	37.08	27.55	3.52	30.70	37.45	54.00	-16.55	Vertical

802.11n (H40)

Test channel:		Lowest			Level:		Peak	
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2390.00	53.36	27.59	3.33	30.10	54.18	74.00	-19.82	Horizontal
2400.00	59.56	27.58	3.37	30.10	60.41	74.00	-13.59	Horizontal
2390.00	54.02	27.59	3.33	30.10	54.84	74.00	-19.16	Vertical
2400.00	56.73	27.58	3.37	30.10	57.58	74.00	-16.42	Vertical

Test channel:		Lowest			Level:		Average	
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2390.00	39.69	27.59	3.33	30.10	40.51	54.00	-13.49	Horizontal
2400.00	44.43	27.58	3.37	30.10	45.28	54.00	-8.72	Horizontal
2390.00	39.35	27.59	3.33	30.10	40.17	54.00	-13.83	Vertical
2400.00	41.87	27.58	3.37	30.10	42.72	54.00	-11.28	Vertical

Test channel:		Highest			Level:		Peak	
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	56.88	27.53	3.49	29.93	57.97	74.00	-16.03	Horizontal
2500.00	53.29	27.55	3.52	30.70	53.66	74.00	-20.34	Horizontal
2483.50	56.66	27.53	3.49	29.93	57.75	74.00	-16.25	Vertical
2500.00	50.55	27.55	3.52	30.70	50.92	74.00	-23.08	Vertical

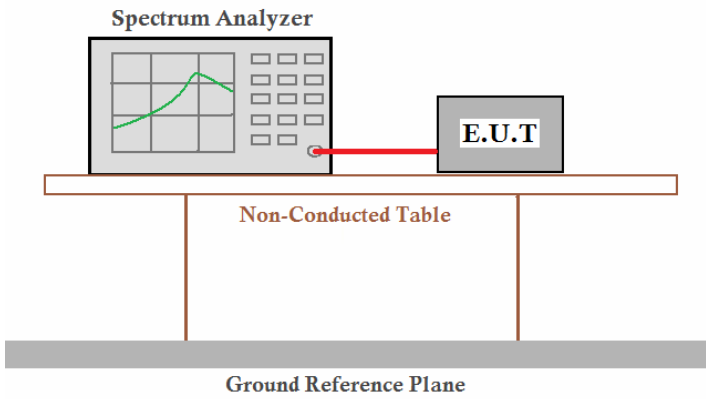
Test channel:		Highest			Level:		Average	
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	42.87	27.53	3.49	29.93	43.96	54.00	-10.04	Horizontal
2500.00	40.54	27.55	3.52	30.70	40.91	54.00	-13.09	Horizontal
2483.50	42.02	27.53	3.49	29.93	43.11	54.00	-10.89	Vertical
2500.00	38.28	27.55	3.52	30.70	38.65	54.00	-16.55	Vertical

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.

6.7 Spurious Emission

6.7.1 Conducted Emission Method

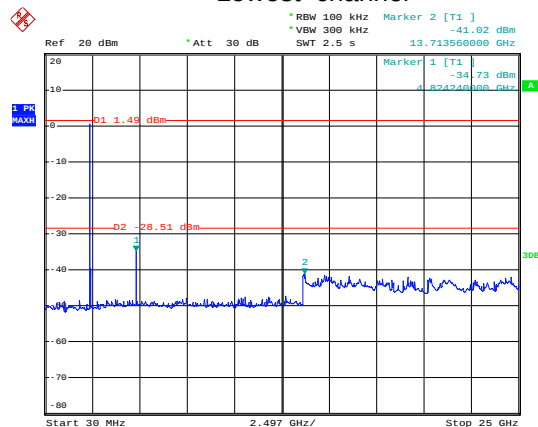
Test Requirement:	FCC Part15 C Section 15.247 (d)
Test Method:	ANSI C63.4:2003 and KDB558074
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 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:	 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.
Test Instruments:	Refer to section 5.7 for details
Test mode:	Refer to section 5.3 for details
Test results:	Pass

Test plot as follows:

Test mode:

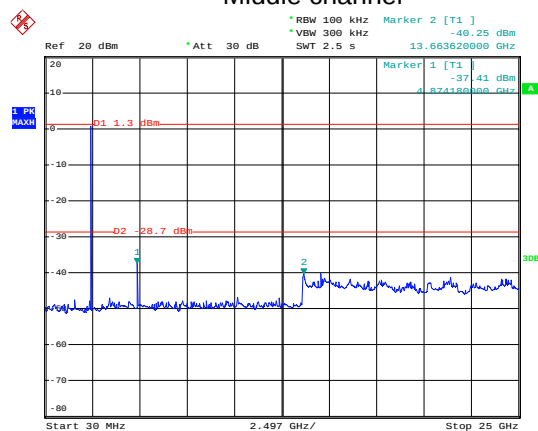
802.11b

Lowest channel

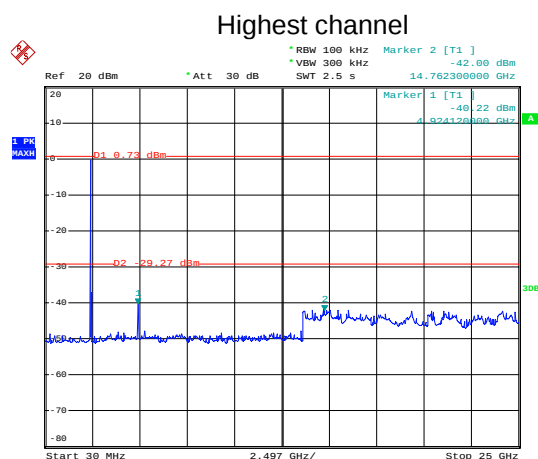


30MHz~25GHz

Middle channel



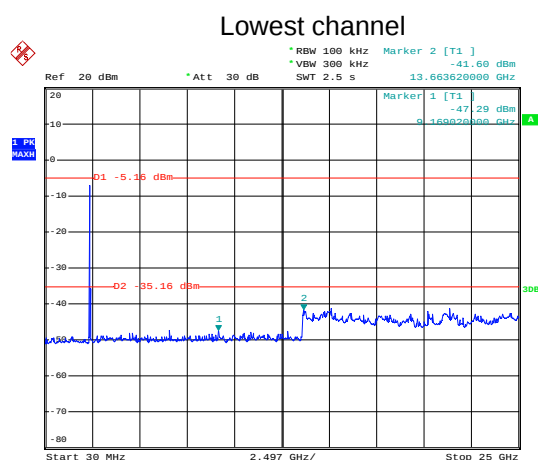
30MHz~25GHz



30MHz~25GHz

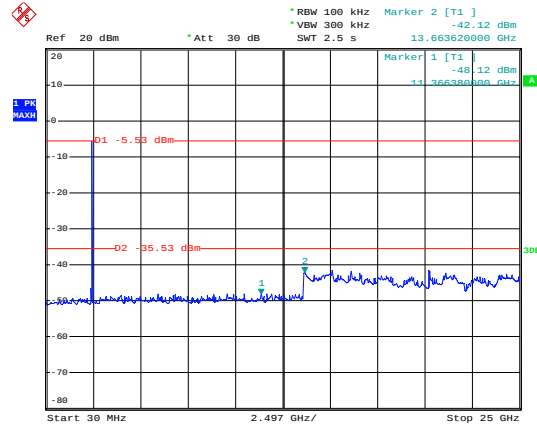
Test mode:

802.11g



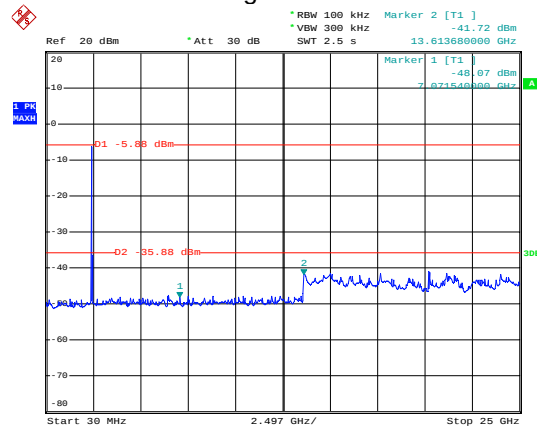
30MHz~25GHz

Middle channel



30MHz~25GHz

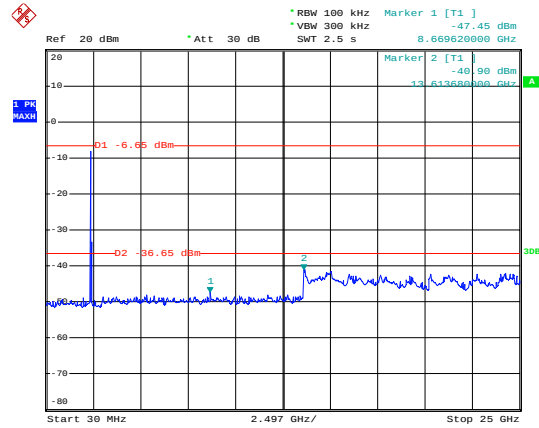
Highest channel



30MHz~25GHz

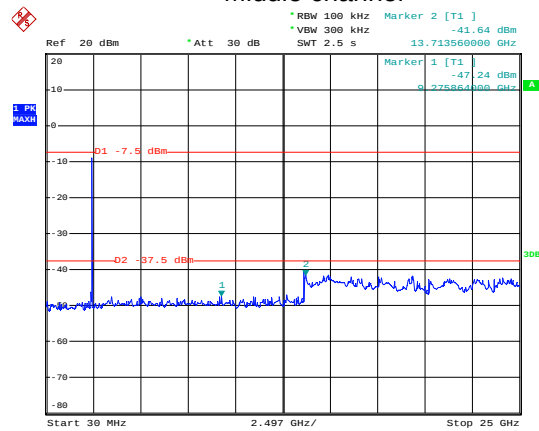
Test mode:	802.11n(H20)
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Lowest channel

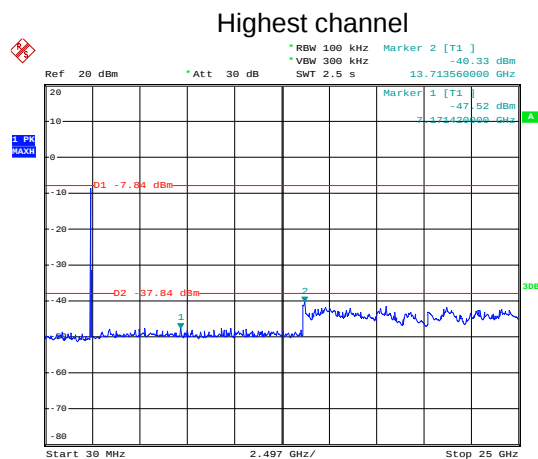


30MHz~25GHz

Middle channel



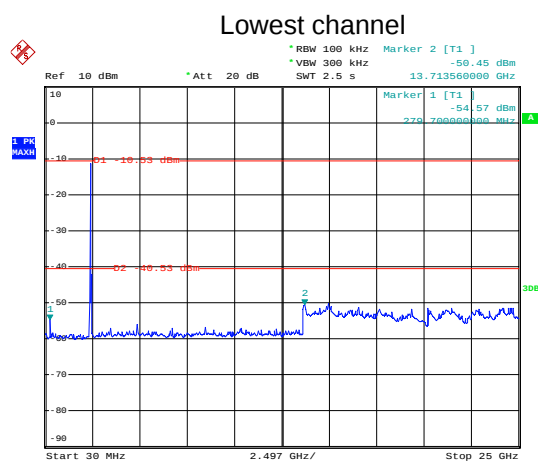
30MHz~25GHz



30MHz~25GHz

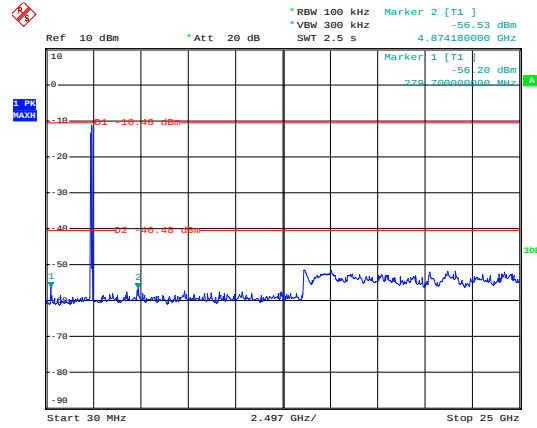
Test mode:

802.11n(H40)



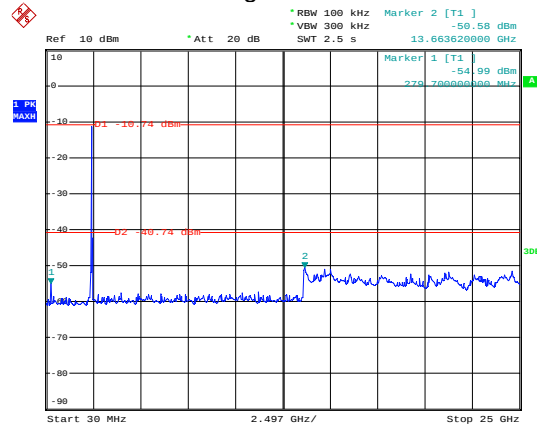
30MHz~25GHz

Middle channel



30MHz~25GHz

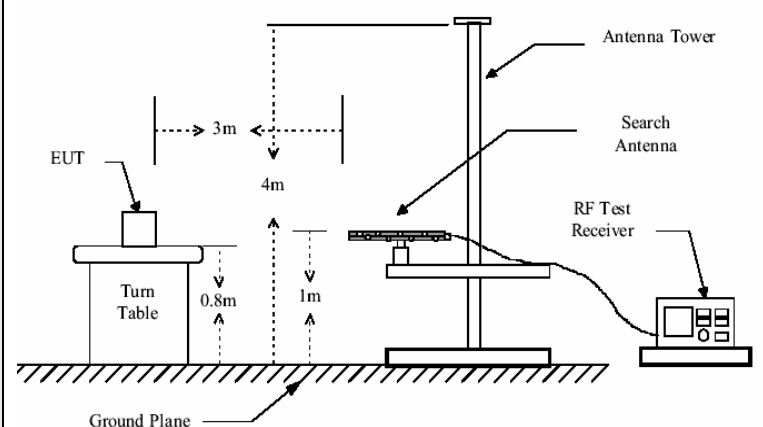
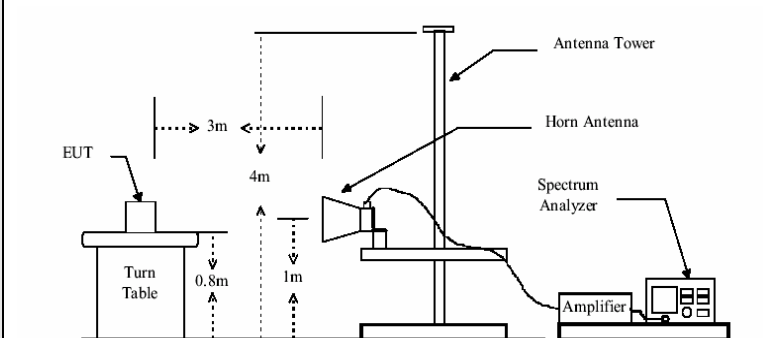
Highest channel



30MHz~25GHz

6.7.2 Radiated Emission Method

Test Requirement:	FCC Part15 C Section 15.209 and 15.205				
Test Method:	ANSI C63.4:2003				
Test Frequency Range:	30MHz to 25GHz				
Test site:	Measurement Distance: 3m				
Receiver setup:	Frequency	Detector	RBW	VBW	Remark
	30MHz-1GHz	Quasi-peak	100KHz	300KHz	Quasi-peak Value
	Above 1GHz	Peak	1MHz	3MHz	Peak Value
		Peak	1MHz	10Hz	Average Value
Limit:	Frequency		Limit (dBuV/m @3m)		Remark
	30MHz-88MHz		40.0		Quasi-peak Value
	88MHz-216MHz		43.5		Quasi-peak Value
	216MHz-960MHz		46.0		Quasi-peak Value
	960MHz-1GHz		54.0		Quasi-peak Value
	Above 1GHz		54.0		Average Value
			74.0		Peak Value
Test Procedure:	1. The EUT was placed on the top of a rotating table 0.8 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.				

Test setup:	Below 1GHz  Above 1GHz 
Test Instruments:	Refer to section 5.7 for details
Test mode:	Refer to section 5.3 for details
Measurement Record:	Uncertainty: 4.88dB
Test results:	Pass

Below 1GHz

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
32.86	51.26	12.31	0.91	26.58	37.90	40.00	-2.10	Vertical
67.44	47.51	9.61	1.44	29.93	28.63	40.00	-11.37	Vertical
135.51	45.76	8.51	2.35	29.44	27.18	43.50	-16.32	Vertical
203.52	45.10	10.67	2.87	29.80	28.84	43.50	-14.66	Vertical
271.33	44.83	12.42	2.86	29.52	30.59	46.00	-15.41	Vertical
473.84	41.46	15.95	3.40	30.52	30.29	46.00	-15.71	Vertical
71.33	50.99	8.39	1.54	30.14	30.78	40.00	-9.22	Horizontal
135.51	52.25	8.51	2.35	29.44	33.67	43.50	-9.83	Horizontal
203.52	51.63	10.67	2.87	29.80	35.37	43.50	-8.13	Horizontal
271.33	48.00	12.42	2.86	29.52	33.76	46.00	-12.24	Horizontal
815.97	44.92	20.24	4.30	30.36	39.10	46.00	-6.90	Horizontal
897.00	45.14	21.05	3.74	30.15	39.78	46.00	-6.22	Horizontal

Above 1GHz

Test mode:	802.11b		Test channel:	Lowest		Remark:	Peak	
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	41.97	31.79	5.34	24.07	55.03	74.00	-18.97	Vertical
7236.00	31.87	36.19	6.88	26.44	48.50	74.00	-25.50	Vertical
9648.00	30.94	38.07	8.96	25.36	52.61	74.00	-21.39	Vertical
12060.00	28.36	39.05	10.35	25.15	52.61	74.00	-21.39	Vertical
14472.00	*					74.00		Vertical
16884.00	*					74.00		Vertical
4824.00	43.01	31.79	5.34	24.07	56.07	74.00	-17.93	Horizontal
7236.00	33.56	36.19	6.88	26.44	50.19	74.00	-23.81	Horizontal
9648.00	33.38	38.07	8.96	25.36	55.05	74.00	-18.95	Horizontal
12060.00	31.55	39.05	10.35	25.15	55.80	74.00	-18.20	Horizontal
14472.00	*					74.00		Horizontal
16884.00	*					74.00		Horizontal

Test mode:	802.11b		Test channel:	Lowest		Remark:	Average	
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	22.97	31.79	5.34	24.07	36.03	54.00	-17.97	Vertical
7236.00	16.15	36.19	6.88	26.44	32.78	54.00	-21.22	Vertical
9648.00	15.60	38.07	8.96	25.36	37.27	54.00	-16.73	Vertical
12060.00	14.09	39.05	10.35	25.15	38.34	54.00	-15.66	Vertical
14472.00	*					54.00		Vertical
16884.00	*					54.00		Vertical
4824.00	24.58	31.79	5.34	24.07	37.64	54.00	-16.36	Horizontal
7236.00	17.61	36.19	6.88	26.44	34.24	54.00	-19.76	Horizontal
9648.00	16.91	38.07	8.96	25.36	38.58	54.00	-15.42	Horizontal
12060.00	15.25	39.05	10.35	25.15	39.50	54.00	-14.50	Horizontal
14472.00	*					54.00		Horizontal
16884.00	*					54.00		Horizontal

Remark:

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		Remark:	Peak	
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	41.37	31.85	5.40	24.01	54.61	74.00	-19.39	Vertical
7311.00	29.27	36.37	6.90	26.58	45.96	74.00	-28.04	Vertical
9688.00	29.18	38.13	8.98	25.34	50.95	74.00	-23.05	Vertical
12185.00	25.99	38.92	10.38	25.04	50.25	74.00	-23.75	Vertical
14682.00	*					74.00		Vertical
17179.00	*					74.00		Vertical
4874.00	43.51	31.85	5.40	24.01	56.75	74.00	-17.25	Horizontal
7311.00	31.30	36.37	6.90	26.58	47.99	74.00	-26.01	Horizontal
9688.00	31.10	38.13	8.98	25.34	52.87	74.00	-21.13	Horizontal
12185.00	27.80	38.92	10.38	25.04	52.06	74.00	-21.94	Horizontal
14682.00	*					74.00		Horizontal
17179.00	*					74.00		Horizontal

Test mode:	802.11b		Test channel:	Middle		Remark:	Average	
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	23.75	31.85	5.40	24.01	36.99	54.00	-17.01	Vertical
7311.00	16.32	36.37	6.90	26.58	33.01	54.00	-20.99	Vertical
9688.00	13.15	38.13	8.98	25.34	34.92	54.00	-19.08	Vertical
12185.00	13.12	38.92	10.38	25.04	37.38	54.00	-16.62	Vertical
14682.00	*					54.00		Vertical
17179.00	*					54.00		Vertical
4874.00	25.79	31.85	5.40	24.01	39.03	54.00	-14.97	Horizontal
7311.00	18.20	36.37	6.90	26.58	34.89	54.00	-19.11	Horizontal
9688.00	14.87	38.13	8.98	25.34	36.64	54.00	-17.36	Horizontal
12185.00	14.68	38.92	10.38	25.04	38.94	54.00	-15.06	Horizontal
14682.00	*					54.00		Horizontal
17179.00	*					54.00		Horizontal

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.*
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		Remark:	Peak	
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	40.02	31.89	5.46	23.96	53.41	74.00	-20.59	Vertical
7386.00	33.06	36.49	6.93	26.79	49.69	74.00	-24.31	Vertical
9848.00	29.93	38.24	9.05	25.30	51.92	74.00	-22.08	Vertical
12310.00	29.65	38.83	10.41	24.90	53.99	74.00	-20.01	Vertical
14772.00	*					74.00		Vertical
17234.00	*					74.00		Vertical
4924.00	42.06	31.89	5.46	23.96	55.45	74.00	-18.55	Horizontal
7386.00	35.01	36.49	6.93	26.79	51.64	74.00	-22.36	Horizontal
9848.00	31.79	38.24	9.05	25.30	53.78	74.00	-20.22	Horizontal
12310.00	29.35	38.83	10.41	24.90	53.69	74.00	-20.31	Horizontal
14772.00	*					74.00		Horizontal
17234.00	*					74.00		Horizontal

Test mode:	802.11b		Test channel:	Highest		Remark:	Average	
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	24.26	31.89	5.46	23.96	37.65	54.00	-16.35	Vertical
7386.00	18.40	36.49	6.93	26.79	35.03	54.00	-18.97	Vertical
9848.00	20.37	38.24	9.05	25.30	42.36	54.00	-11.64	Vertical
12310.00	16.86	38.83	10.41	24.90	41.20	54.00	-12.80	Vertical
14772.00	*					54.00		Vertical
17234.00	*					54.00		Vertical
4924.00	26.22	31.89	5.46	23.96	39.61	54.00	-14.39	Horizontal
7386.00	20.19	36.49	6.93	26.79	36.82	54.00	-17.18	Horizontal
9848.00	21.99	38.24	9.05	25.30	43.98	54.00	-10.02	Horizontal
12310.00	18.31	38.83	10.41	24.90	42.65	54.00	-11.35	Horizontal
14772.00	*					54.00		Horizontal
17234.00	*					54.00		Horizontal

Remark:

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		Remark:		Peak
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	37.89	31.79	5.34	24.07	50.95	74.00	-23.05	Vertical
7236.00	32.78	36.19	6.88	26.44	49.41	74.00	-24.59	Vertical
9648.00	30.12	38.07	8.96	25.36	51.79	74.00	-22.21	Vertical
12060.00	24.35	39.05	10.35	25.15	48.60	74.00	-25.40	Vertical
14472.00	*					74.00		Vertical
16884.00	*					74.00		Vertical
4824.00	38.30	31.79	5.34	24.07	51.36	74.00	-22.64	Horizontal
7236.00	32.14	36.19	6.88	26.44	48.77	74.00	-25.23	Horizontal
9648.00	31.22	38.07	8.96	25.36	52.89	74.00	-21.11	Horizontal
12060.00	26.35	39.05	10.35	25.15	50.60	74.00	-23.40	Horizontal
14472.00	*					74.00		Horizontal
16884.00	*					74.00		Horizontal

Test mode:	802.11g		Test channel:	Lowest		Remark:		Average
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	25.67	31.79	5.34	24.07	38.73	54.00	-15.27	Vertical
7236.00	21.13	36.19	6.88	26.44	37.76	54.00	-16.24	Vertical
9648.00	17.52	38.07	8.96	25.36	39.19	54.00	-14.81	Vertical
12060.00	12.65	39.05	10.35	25.15	36.90	54.00	-17.10	Vertical
14472.00	*					54.00		Vertical
16884.00	*					54.00		Vertical
4824.00	27.28	31.79	5.34	24.07	40.34	54.00	-13.66	Horizontal
7236.00	22.59	36.19	6.88	26.44	39.22	54.00	-14.78	Horizontal
9648.00	18.83	38.07	8.96	25.36	40.50	54.00	-13.50	Horizontal
12060.00	12.35	39.05	10.35	25.15	36.60	54.00	-17.40	Horizontal
14472.00	*					54.00		Horizontal
16884.00	*					54.00		Horizontal

Remark:

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:	802.11g		Test channel:	Middle		Remark:		Peak
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	34.26	31.85	5.40	24.01	47.50	74.00	-26.50	Vertical
7311.00	27.57	36.37	6.90	26.58	44.26	74.00	-29.74	Vertical
9688.00	24.51	38.13	8.98	25.34	46.28	74.00	-27.72	Vertical
12185.00	24.35	38.92	10.38	25.04	48.61	74.00	-25.39	Vertical
14472.00	*					74.00		Vertical
16884.00	*					74.00		Vertical
4874.00	36.39	31.85	5.40	24.01	49.63	74.00	-24.37	Horizontal
7311.00	28.90	36.37	6.90	26.58	45.59	74.00	-28.41	Horizontal
9688.00	24.65	38.13	8.98	25.34	46.42	74.00	-27.58	Horizontal
12185.00	24.30	38.92	10.38	25.04	48.56	74.00	-25.44	Horizontal
14472.00	*					74.00		Horizontal
16884	*					74		Horizontal

Test mode:	802.11g		Test channel:	Middle		Remark:		Average
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	23.32	31.85	5.40	24.01	36.56	54.00	-17.44	Vertical
7311.00	18.09	36.37	6.90	26.58	34.78	54.00	-19.22	Vertical
9688.00	14.14	38.13	8.98	25.34	35.91	54.00	-18.09	Vertical
12185.00	10.23	38.92	10.38	25.04	34.49	54.00	-19.51	Vertical
14472.00	*					54.00		Vertical
16884.00	*					54.00		Vertical
4874.00	25.35	31.85	5.40	24.01	38.59	54.00	-15.41	Horizontal
7311.00	19.97	36.37	6.90	26.58	36.66	54.00	-17.34	Horizontal
9688.00	15.86	38.13	8.98	25.34	37.63	54.00	-16.37	Horizontal
12185.00	10.32	38.92	10.38	25.04	34.58	54.00	-19.42	Horizontal
14472.00	*					54.00		Horizontal
16884.00	*					54.00		Horizontal

Remark:

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

Test mode:	802.11g		Test channel:	Highest		Remark:	Peak	
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	38.64	31.89	5.46	23.96	52.03	74.00	-21.97	Vertical
7386.00	34.19	36.49	6.93	26.79	50.82	74.00	-23.18	Vertical
9848.00	25.26	38.24	9.05	25.30	47.25	74.00	-26.75	Vertical
12310.00	23.23	38.83	10.41	24.90	47.57	74.00	-26.43	Vertical
14772.00	*					74.00		Vertical
17234.00	*					74.00		Vertical
4924.00	41.36	31.89	5.46	23.96	54.75	74.00	-19.25	Horizontal
7386.00	34.37	36.49	6.93	26.79	51.00	74.00	-23.00	Horizontal
9848.00	32.26	38.24	9.05	25.30	54.25	74.00	-19.75	Horizontal
12310.00	29.33	38.83	10.41	24.90	53.67	74.00	-20.33	Horizontal
14772.00	*					74.00		Horizontal
17234.00	*					74.00		Horizontal

Test mode:	802.11g		Test channel:	Highest		Remark:	Average	
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	24.32	31.89	5.46	23.96	37.71	54.00	-16.29	Vertical
7386.00	22.08	36.49	6.93	26.79	38.71	54.00	-15.29	Vertical
9848.00	12.53	38.24	9.05	25.30	34.52	54.00	-19.48	Vertical
12310.00	12.35	38.83	10.41	24.90	36.69	54.00	-17.31	Vertical
14772.00	*					54.00		Vertical
17234.00	*					54.00		Vertical
4924.00	26.28	31.89	5.46	23.96	39.67	54.00	-14.33	Horizontal
7386.00	23.87	36.49	6.93	26.79	40.50	54.00	-13.50	Horizontal
9848.00	15.32	38.24	9.05	25.30	37.31	54.00	-16.69	Horizontal
12310.00	12.32	38.83	10.41	24.90	36.66	54.00	-17.34	Horizontal
14772.00	*					54.00		Horizontal
17234.00	*					54.00		Horizontal

Remark:

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(H20)		Test channel:	Lowest		Remark:	Peak	
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	42.32	31.79	5.34	24.07	55.38	74.00	-18.62	Vertical
7236.00	35.21	36.19	6.88	26.44	51.84	74.00	-22.16	Vertical
9648.00	31.45	38.07	8.96	25.36	53.12	74.00	-20.88	Vertical
12060.00	26.35	39.05	10.35	25.15	50.60	74.00	-23.40	Vertical
14472.00	*					74.00		Vertical
16884.00	*					74.00		Vertical
4824.00	49.32	31.79	5.34	24.07	62.38	74.00	-11.62	Horizontal
7236.00	42.26	36.19	6.88	26.44	58.89	74.00	-15.11	Horizontal
9648.00	32.76	38.07	8.96	25.36	54.43	74.00	-19.57	Horizontal
12060.00	31.17	39.05	10.35	25.15	55.42	74.00	-18.58	Horizontal
14472.00	*					74.00		Horizontal
16884.00	*					74.00		Horizontal

Test mode:	802.11n(H20)		Test channel:	Lowest		Remark:	Average	
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	31.24	31.79	5.34	24.07	44.30	54.00	-9.70	Vertical
7236.00	23.34	36.19	6.88	26.44	39.97	54.00	-14.03	Vertical
9648.00	19.99	38.07	8.96	25.36	41.66	54.00	-12.34	Vertical
12060.00	17.35	39.05	10.35	25.15	41.60	54.00	-12.40	Vertical
14472.00	*					54.00		Vertical
16884.00	*					54.00		Vertical
4824.00	32.25	31.79	5.34	24.07	45.31	54.00	-8.69	Horizontal
7236.00	24.80	36.19	6.88	26.44	41.43	54.00	-12.57	Horizontal
9648.00	21.30	38.07	8.96	25.36	42.97	54.00	-11.03	Horizontal
12060.00	18.51	39.05	10.35	25.15	42.76	54.00	-11.24	Horizontal
14472.00	*					54.00		Horizontal
16884.00	*					54.00		Horizontal

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.
3. The emission levels of other frequencies are very lower than the limit and not show in test report.

Test mode:	802.11n(H20)		Test channel:	Middle		Remark:	Peak	
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	35.26	31.85	5.40	24.01	48.50	74.00	-25.50	Vertical
7311.00	28.28	36.37	6.90	26.58	44.97	74.00	-29.03	Vertical
9688.00	24.84	38.13	8.98	25.34	46.61	74.00	-27.39	Vertical
12185.00	23.73	38.92	10.38	25.04	47.99	74.00	-26.01	Vertical
14472.00	*					74.00		Vertical
16884.00	*					74.00		Vertical
4874.00	38.26	31.85	5.40	24.01	51.50	74.00	-22.50	Horizontal
7311.00	30.16	36.37	6.90	26.58	46.85	74.00	-27.15	Horizontal
9688.00	26.56	38.13	8.98	25.34	48.33	74.00	-25.67	Horizontal
12185.00	25.29	38.92	10.38	25.04	49.55	74.00	-24.45	Horizontal
14472.00	*					74.00		Horizontal
16884.00	*					74.00		Horizontal

Test mode:	802.11n(H20)		Test channel:	Middle		Remark:	Average	
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	26.35	31.85	5.40	24.01	39.59	54.00	-14.41	Vertical
7311.00	21.05	36.37	6.90	26.58	37.74	54.00	-16.26	Vertical
9688.00	17.58	38.13	8.98	25.34	39.35	54.00	-14.65	Vertical
12185.00	13.10	38.92	10.38	25.04	37.36	54.00	-16.64	Vertical
14472.00	*					54.00		Vertical
16884.00	*					54.00		Vertical
4874.00	29.35	31.85	5.40	24.01	42.59	54.00	-11.41	Horizontal
7311.00	22.93	36.37	6.90	26.58	39.62	54.00	-14.38	Horizontal
9688.00	19.30	38.13	8.98	25.34	41.07	54.00	-12.93	Horizontal
12185.00	16.16	38.92	10.38	25.04	40.42	54.00	-13.58	Horizontal
14472.00	*					54.00		Horizontal
16884.00	*					54.00		Horizontal

Remark:

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(H20)		Test channel:	Highest		Remark:	Peak	
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	35.40	31.89	5.46	23.96	48.79	74.00	-25.21	Vertical
7386.00	31.22	36.49	6.93	26.79	47.85	74.00	-26.15	Vertical
9848.00	29.37	38.24	9.05	25.30	51.36	74.00	-22.64	Vertical
12310.00	26.76	38.83	10.41	24.90	51.10	74.00	-22.90	Vertical
14772.00	*					74.00		Vertical
17234.00	*					74.00		Vertical
4924.00	45.26	31.89	5.46	23.96	58.65	74.00	-15.35	Horizontal
7386.00	38.26	36.49	6.93	26.79	54.89	74.00	-19.11	Horizontal
9848.00	31.09	38.24	9.05	25.30	53.08	74.00	-20.92	Horizontal
12310.00	28.31	38.83	10.41	24.90	52.65	74.00	-21.35	Horizontal
14772.00	*					74.00		Horizontal
17234.00	*					74.00		Horizontal

Test mode:	802.11n(H20)		Test channel:	Highest		Remark:	Average	
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	31.01	31.89	5.46	23.96	44.40	54.00	-9.60	Vertical
7386.00	29.35	36.49	6.93	26.79	45.98	54.00	-8.02	Vertical
9848.00	20.36	38.24	9.05	25.30	42.35	54.00	-11.65	Vertical
12310.00	19.44	38.83	10.41	24.90	43.78	54.00	-10.22	Vertical
14772.00	*					54.00		Vertical
17234.00	*					54.00		Vertical
4924.00	32.15	31.89	5.46	23.96	45.54	54.00	-8.46	Horizontal
7386.00	29.33	36.49	6.93	26.79	45.96	54.00	-8.04	Horizontal
9848.00	16.32	38.24	9.05	25.30	38.31	54.00	-15.69	Horizontal
12310.00	15.68	38.83	10.41	24.90	40.02	54.00	-13.98	Horizontal
14772.00	*					54.00		Horizontal
17234.00	*					54.00		Horizontal

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.
3. The emission levels of other frequencies are very lower than the limit and not show in test report.

Test mode:	802.11n(H40)		Test channel:	Lowest		Remark:	Peak	
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	48.12	31.79	5.34	24.07	61.18	74.00	-12.82	Vertical
7266.00	41.13	36.19	6.88	26.44	57.76	74.00	-16.24	Vertical
9688.00	36.14	38.07	8.96	25.36	57.81	74.00	-16.19	Vertical
12110.00	35.30	39.05	10.35	25.15	59.55	74.00	-14.45	Vertical
14532.00	*					74.00		Vertical
16954.00	*					74.00		Vertical
4844.00	49.21	31.79	5.34	24.07	62.27	74.00	-11.73	Horizontal
7266.00	42.59	36.19	6.88	26.44	59.22	74.00	-14.78	Horizontal
9688.00	37.45	38.07	8.96	25.36	59.12	74.00	-14.88	Horizontal
12110.00	36.46	39.05	10.35	25.15	60.71	74.00	-13.29	Horizontal
14532.00	*					74.00		Horizontal
16954.00	*					74.00		Horizontal

Test mode:	802.11n(H40)		Test channel:	Lowest		Remark:	Average	
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	31.90	31.79	5.34	24.07	44.96	54.00	-9.04	Vertical
7266.00	32.76	36.19	6.88	26.44	49.39	54.00	-4.61	Vertical
9688.00	25.11	38.07	8.96	25.36	46.78	54.00	-7.22	Vertical
12110.00	23.07	39.05	10.35	25.15	47.32	54.00	-6.68	Vertical
14532.00	*					54.00		Vertical
16954.00	*					54.00		Vertical
4844.00	31.48	31.79	5.34	24.07	44.54	54.00	-9.46	Horizontal
7266.00	32.19	36.19	6.88	26.44	48.82	54.00	-5.18	Horizontal
9688.00	24.39	38.07	8.96	25.36	46.06	54.00	-7.94	Horizontal
12110.00	22.20	39.05	10.35	25.15	46.45	54.00	-7.55	Horizontal
14532.00	*					54.00		Horizontal
16954.00	*					54.00		Horizontal

Remark:

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(H40)		Test channel:	Middle		Remark:		Peak
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	42.40	31.85	5.40	24.01	55.64	74.00	-18.36	Vertical
7311.00	39.08	36.37	6.90	26.58	55.77	74.00	-18.23	Vertical
9688.00	31.54	38.13	8.98	25.34	53.31	74.00	-20.69	Vertical
12185.00	30.14	38.92	10.38	25.04	54.40	74.00	-19.60	Vertical
14472.00	*					74.00		Vertical
16884.00	*					74.00		Vertical
4874.00	44.44	31.85	5.40	24.01	57.68	74.00	-16.32	Horizontal
7311.00	40.96	36.37	6.90	26.58	57.65	74.00	-16.35	Horizontal
9688.00	33.26	38.13	8.98	25.34	55.03	74.00	-18.97	Horizontal
12185.00	30.21	38.92	10.38	25.04	54.47	74.00	-19.53	Horizontal
14472.00	*					74.00		Horizontal
16884.00	*					74.00		Horizontal

Test mode:	802.11n(H40)		Test channel:	Middle		Remark:	Average	
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	31.01	31.85	5.40	24.01	44.25	54.00	-9.75	Vertical
7311.00	22.19	36.37	6.90	26.58	38.88	54.00	-15.12	Vertical
9688.00	18.22	38.13	8.98	25.34	39.99	54.00	-14.01	Vertical
12185.00	15.04	38.92	10.38	25.04	39.30	54.00	-14.70	Vertical
14472.00	*					54.00		Vertical
16884.00	*					54.00		Vertical
4874.00	30.15	31.85	5.40	24.01	43.39	54.00	-10.61	Horizontal
7311.00	24.07	36.37	6.90	26.58	40.76	54.00	-13.24	Horizontal
9688.00	19.94	38.13	8.98	25.34	41.71	54.00	-12.29	Horizontal
12185.00	18.10	38.92	10.38	25.04	42.36	54.00	-11.64	Horizontal
14472.00	*					54.00		Horizontal
16884.00	*					54.00		Horizontal

Remark:

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(H40)		Test channel:	Highest		Remark:	Peak	
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	35.18	31.89	5.46	23.96	48.57	74.00	-25.43	Vertical
7356.00	31.90	36.49	6.93	26.79	48.53	74.00	-25.47	Vertical
9808.00	24.35	38.24	9.05	25.30	46.34	74.00	-27.66	Vertical
12260.00	23.14	38.83	10.41	24.90	47.48	74.00	-26.52	Vertical
14712.00	*					74.00		Vertical
17164.00	*					74.00		Vertical
4904.00	38.12	31.89	5.46	23.96	51.51	74.00	-22.49	Horizontal
7356.00	33.79	36.49	6.93	26.79	50.42	74.00	-23.58	Horizontal
9808.00	26.15	38.24	9.05	25.30	48.14	74.00	-25.86	Horizontal
12260.00	26.35	38.83	10.41	24.90	50.69	74.00	-23.31	Horizontal
14712.00	*					74.00		Horizontal
17164.00	*					74.00		Horizontal

Test mode:	802.11n(H40)		Test channel:	Highest		Remark:	Average	
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	25.99	31.89	5.46	23.96	39.38	54.00	-14.62	Vertical
7356.00	17.99	36.49	6.93	26.79	34.62	54.00	-19.38	Vertical
9808.00	15.89	38.24	9.05	25.30	37.88	54.00	-16.12	Vertical
12260.00	14.96	38.83	10.41	24.90	39.30	54.00	-14.70	Vertical
14712.00	*					54.00		Vertical
17164.00	*					54.00		Vertical
4904.00	27.29	31.89	5.46	23.96	40.68	54.00	-13.32	Horizontal
7356.00	25.72	36.49	6.93	26.79	42.35	54.00	-11.65	Horizontal
9808.00	13.25	38.24	9.05	25.30	35.24	54.00	-18.76	Horizontal
12260.00	15.02	38.83	10.41	24.90	39.36	54.00	-14.64	Horizontal
14712.00	*					54.00		Horizontal
17164.00	*					54.00		Horizontal

Remark:

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.