Shenzhen EBO Technology Co., Ltd.

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FCC REPORT

Applicant:	Archos SA
Address of Applicant:	12 Rue Ampere lgny France 91430
Equipment Under Test (EUT)	
Product Name:	A80S Internet Tablet
Model No.:	9080
Trade mark:	Archos
FCC ID:	SOV9080
Applicable standards:	FCC CFR Title 47 Part 15 Subpart C Section 15.247:2010
Date of sample receipt:	02 Aug., 2011
Date of Test:	02-05 Aug., 2011
Date of report issued:	08 Aug., 2011
Test Result :	PASS *

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

Authorized Signature:

Kavin Yu
Laboratory Manager

2 Version

Version No.	Date	Description
00	*2011-08-08*	*Original*

Prepared By: Collin.He *Date:* *2011-08-08*

Project Engineer

Check By: Hans.Hu *Date:* *2011-08-08*

Reviewer

3 Contents

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
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

Remark:

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

5 General Information

5.1 Client Information

Applicant:	Archos SA
Address of Applicant:	12 Rue Ampere lgny France 91430
Manufacturer:	Archos SA
Address of Manufacturer:	12 Rue Ampere lgny France 91430
Factory:	Excelsior Electronics
Address of Factory:	Sam Tuen Management Zone, Houjie, Dongguan Guangdong PRC

5.2 General Description of E.U.T.

Product Name:	A80S Internet Tablet
Model No.:	9080
Operation Frequency:	2412MHz~2462MHz (802.11b/802.11g/802.11n(H20))
Channel numbers:	11 for 802.11b/802.11g/802.11(H20)
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:	Integral
Antenna gain:	2dBi (declare by Applicant)
Power supply:	Model:MD-ADP-0516UN001 Input: AC 100-240V 0.3A 50/60Hz Output: DC 5.0V 1.5A

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

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	2442MHz
The Highest channel	2462MHz

5.3 Test environment and mode

Operating Environment:	
Temperature:	24.0 °C
Humidity:	54 % RH
Atmospheric Pressure:	1010 mbar
Test mode:	
Transmitting mode	Keep the EUT in transmitting continuously mode.

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

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)

5.4 Test Facility

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

● **FCC —Registration No.: 600491**

Global United Technology Services Co., Ltd., Shenzhen EMC Laboratory has been registered and fuly described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in files. Registration 600491, July 20, 2010.

● **Industry Canada (IC)**

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-1.

5.5 Test Location

All tests were performed at:

Global United Technology Services Co., Ltd.
Address: 2nd Floor, Block No.2, Laodong Industrial Zone, Xixiang Road Baoan District, Shenzhen, China
Tel: 0755-27798480
Fax: 0755-27798960

5.6 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	Mar. 30 2011	Mar. 29 2012
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	Sept. 10 2010	Sept. 09 2011
4	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	GTS214	Feb. 26 2011	Feb. 25 2012
5	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	9120D-829	GTS208	Aug. 03 2011	Aug. 02 2012
6	Horn Antenna	ETS-LINDGREN	3160	GTS217	Aug. 03 2011	Aug. 02 2012
7	EMI Test Software	AUDIX	E3	N/A	N/A	N/A
8	Coaxial Cable	GTS	N/A	GTS213	Apr. 01 2011	Mar. 31 2012
9	Coaxial Cable	GTS	N/A	GTS211	Apr. 01 2011	Mar. 31 2012
9	Coaxial cable	GTS	N/A	GTS210	Apr. 01 2011	Mar. 31 2012
11	Coaxial Cable	GTS	N/A	GTS212	Apr. 01 2011	Mar. 31 2012
12	Amplifier(100kHz-3GHz)	HP	8347A	GTS204	Aug. 03 2011	Aug. 02 2012
13	Amplifier(2GHz-20GHz)	HP	8349B	GTS206	Aug. 03 2011	Aug. 02 2012
14	Pre-amplifier (18-26GHz)	Rohde & Schwarz	AFS33-18002 650-30-8P-44	GTS218	Aug. 03 2011	Aug. 02 2012
15	Band filter	Amindeon	82346	GTS219	Aug. 03 2011	Aug. 02 2012

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	7.0(L)x3.0(W)x3.0(H)	GTS252	Apr. 10 2011	Apr. 09 2012
2	EMI Test Receiver	Rohde & Schwarz	ESCS30	GTS223	Sept. 14 2010	Sept. 13 2011
3	10dB Pulse Limit	Rohde & Schwarz	N/A	GTS224	Sept. 14 2010	Sept. 13 2011
4	LISN	SCHWARZBECK MESS-ELEKTRONIK	NSLK 8127	GTS226	Apr. 14 2011	Apr. 13 2012
5	Coaxial Cable	GTS	N/A	GTS227	Apr. 01 2011	Mar. 31 2012
6	EMI Test Software	AUDIX	E3	N/A	N/A	N/A

6 Test results and Measurement Data

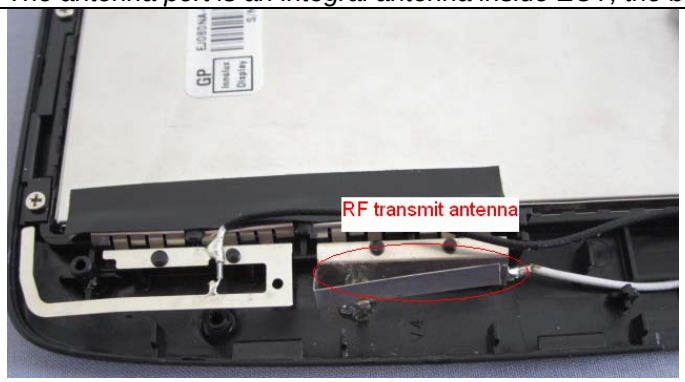
6.1 Antenna requirement:

Standard requirement:	**FCC Part15 C Section 15.203 /247(c)**

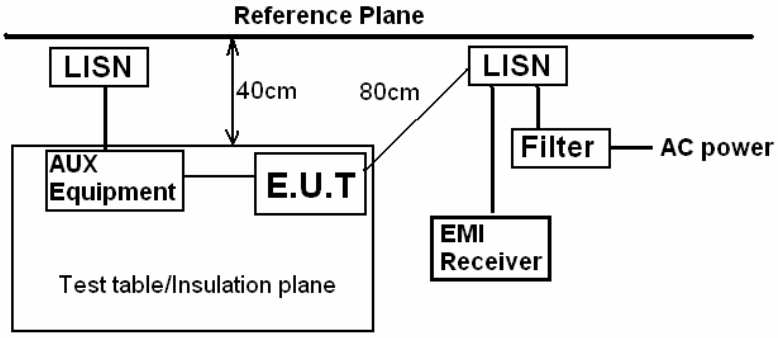
15.203 requirement:
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer 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.
15.247(c) (1)(i) requirement:
(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.

E.U.T Antenna:	

The antenna port is an integral antenna inside EUT, the best case gain of the antenna is 2.0dBi.



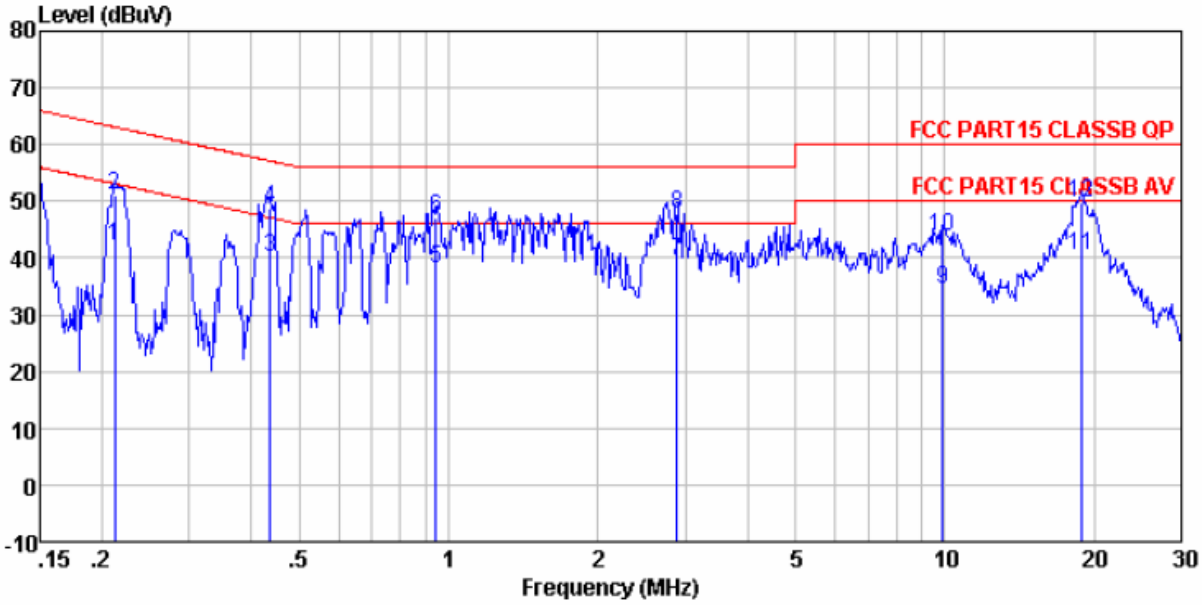
6.2 Conducted Emissions

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	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. 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). 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:	 *Remark:* *E.U.T: Equipment Under Test* *LISN: Line Impedence Stabilization Network* *Test table height=0.8m*
Test Instruments:	Refer to section 5.6 for details
Test mode:	Refer to section 5.3 for details
Test results:	Pass

Measurement Data

An initial pre-scan was performed on the live and neutral lines with peak detector. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission were detected.

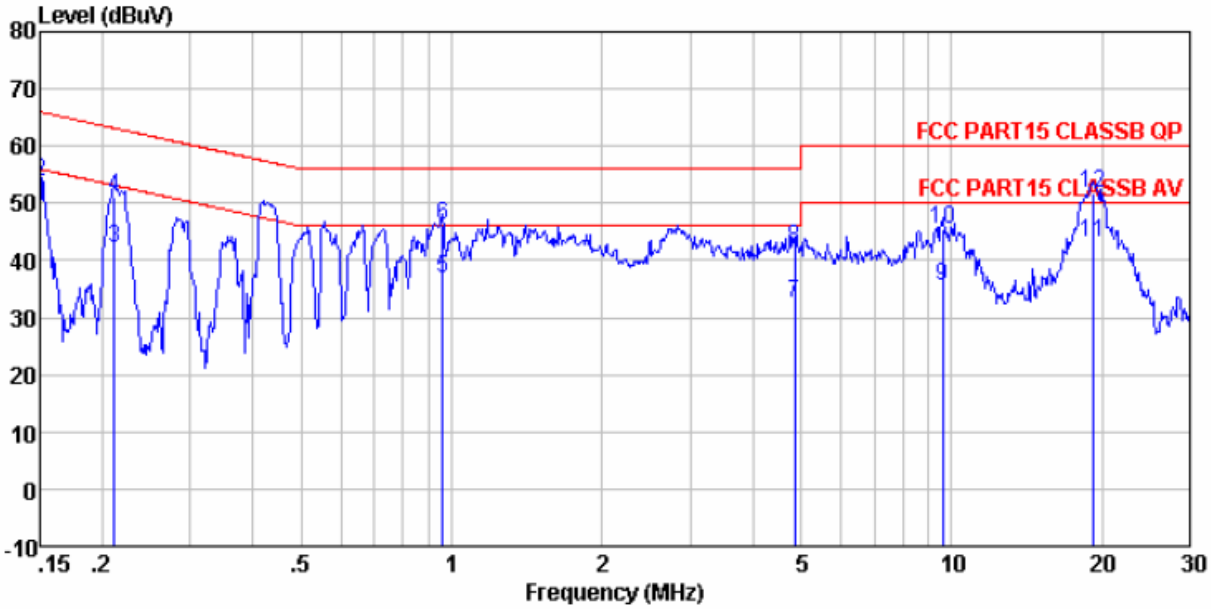
Line:



Condition : FCC PART15 CLASSB QP LISN(2011) LINE
Job No. : 507IT
Test Engineer: Collin

	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.213	41.28	0.65	0.10	42.03	53.10	-11.07	Average
2	0.213	50.24	0.65	0.10	50.99	63.10	-12.11	QP
3	0.437	39.61	0.57	0.10	40.28	47.11	-6.83	Average
4	0.437	48.19	0.57	0.10	48.86	57.11	-8.25	QP
5	0.943	37.66	0.48	0.10	38.24	46.00	-7.76	Average
6	0.943	46.53	0.48	0.10	47.11	56.00	-8.89	QP
7	2.884	38.91	0.36	0.10	39.37	46.00	-6.63	Average
8	2.884	47.43	0.36	0.10	47.89	56.00	-8.11	QP
9	9.913	34.19	0.22	0.20	34.61	50.00	-15.39	Average
10	9.913	43.45	0.22	0.20	43.87	60.00	-16.13	QP
11	18.920	40.18	0.15	0.21	40.54	50.00	-9.46	Average
12	18.920	49.36	0.15	0.21	49.72	60.00	-10.28	QP

Neutral:



Condition : FCC PART15 CLASSB QP LISN(2011) NEUTRAL
Job No. : 507IT
Test Engineer: Collin

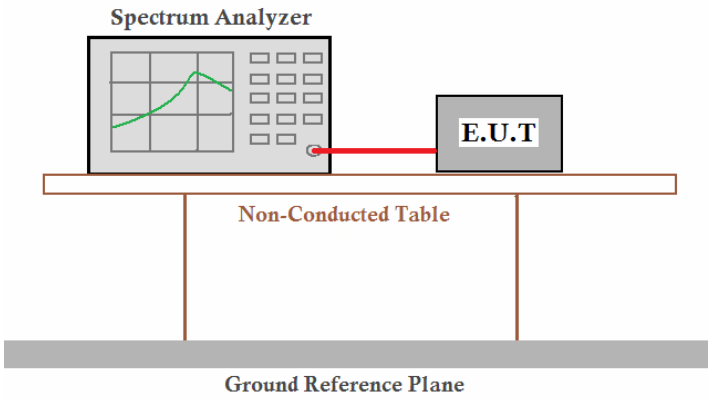
	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.150	43.18	0.69	0.10	43.97	56.00	-12.03	Average
2	0.150	52.93	0.69	0.10	53.72	66.00	-12.28	QP
3	0.212	41.55	0.65	0.10	42.30	53.14	-10.84	Average
4	0.212	50.40	0.65	0.10	51.15	63.14	-11.99	QP
5	0.958	36.27	0.48	0.10	36.85	46.00	-9.15	Average
6	0.958	45.62	0.48	0.10	46.20	56.00	-9.80	QP
7	4.848	32.19	0.30	0.10	32.59	46.00	-13.41	Average
8	4.848	41.77	0.30	0.10	42.17	56.00	-13.83	QP
9	9.603	35.18	0.23	0.20	35.61	50.00	-14.39	Average
10	9.603	44.97	0.23	0.20	45.40	60.00	-14.60	QP
11	19.224	42.89	0.15	0.21	43.25	50.00	-6.75	Average
12	19.224	51.25	0.15	0.21	51.61	60.00	-8.39	QP

Notes:

1. The following Quasi-Peak and Average measurements were performed on the EUT:

2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.

6.3 Conducted Peak Output Power

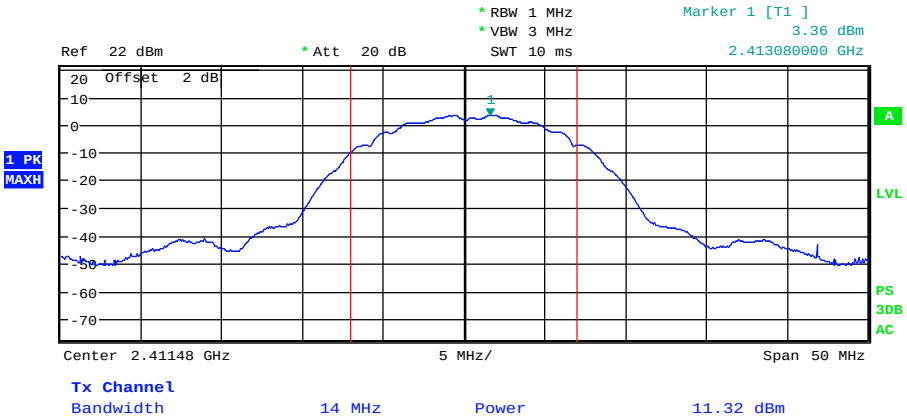
Test Requirement:	FCC Part15 C Section 15.247 (b)(3)
Test Method:	ANSI C63.4:2003 and KDB558074
Limit:	30dBm
Test setup:	
Test Instruments:	Refer to section 5.6 for details
Test mode:	Refer to section 5.3 for details
Test results:	Pass

Measurement Data

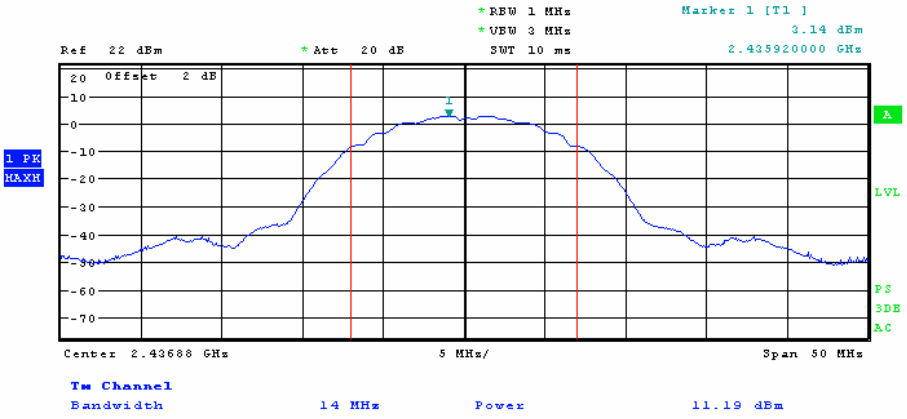
802.11b mode			
Test channel	Peak Output Power (dBm)	Limit (dBm)	Result
Lowest	11.32	30.00	Pass
Middle	11.19	30.00	Pass
Highest	11.25	30.00	Pass
802.11g mode			
Test channel	Peak Output Power (dBm)	Limit (dBm)	Result
Lowest	10.79	30.00	Pass
Middle	10.89	30.00	Pass
Highest	10.35	30.00	Pass
802.11n-H20 mode			
Test channel	Peak Output Power (dBm)	Limit (dBm)	Result
Lowest	9.70	30.00	Pass
Middle	9.25	30.00	Pass
Highest	9.17	30.00	Pass

Test plot as follows:

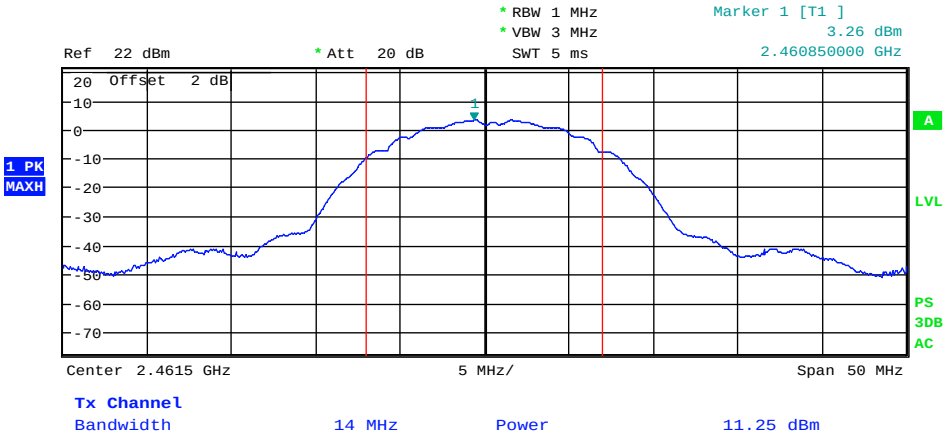
Test mode:	802.11b	Test channel:	Lowest



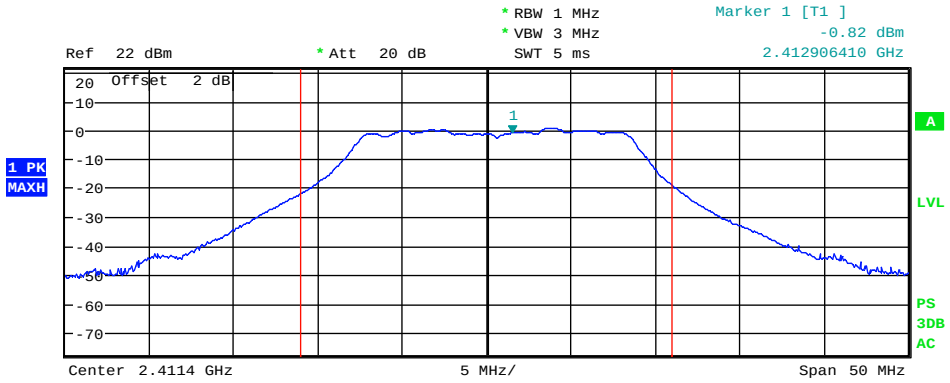
Test mode:	802.11b	Test channel:	Middle



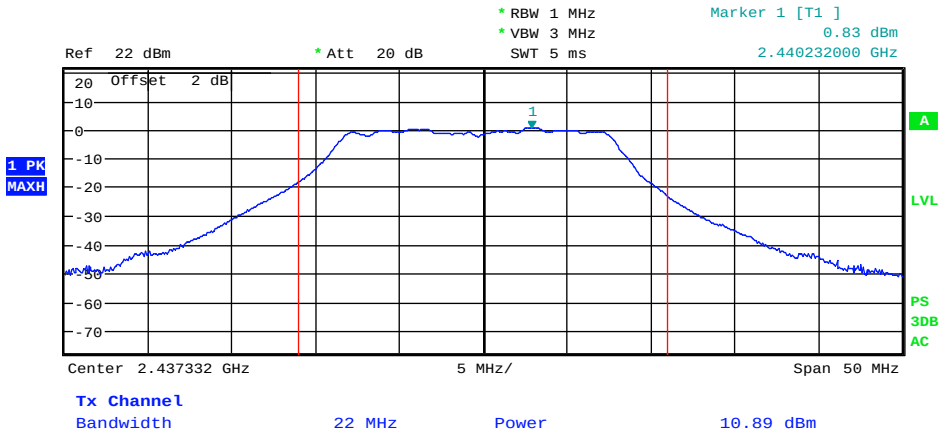
Test mode:	802.11b	Test channel:	Highest



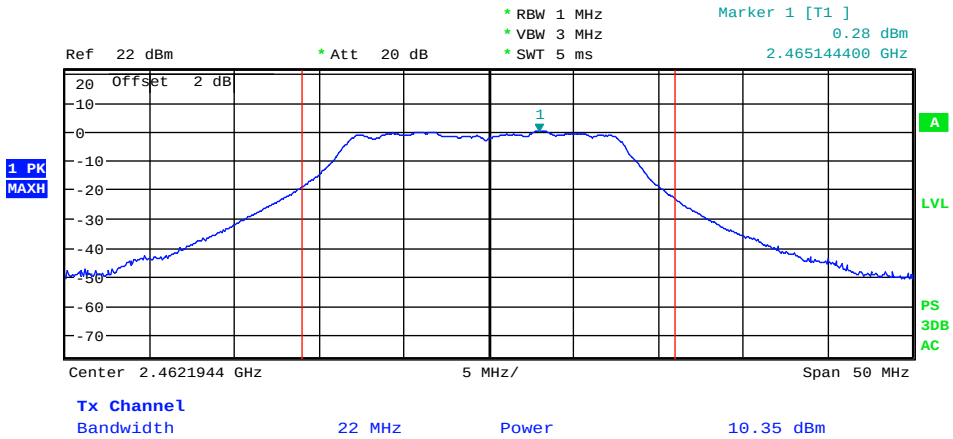
Test mode:	802.11g	Test channel:	Lowest



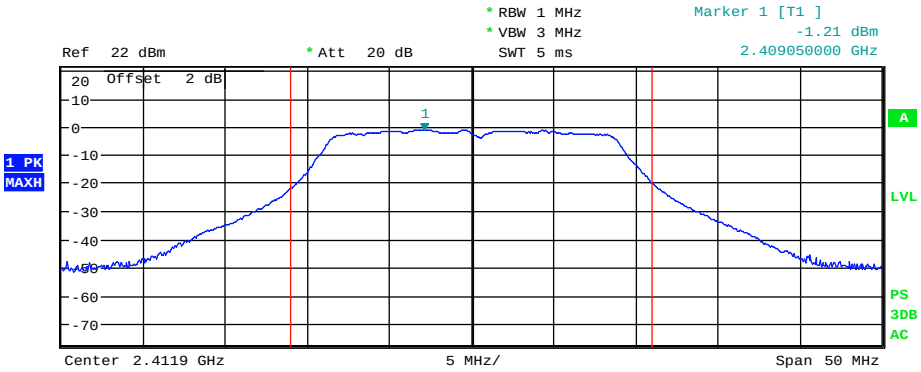
Test mode:	802.11g	Test channel:	Middle



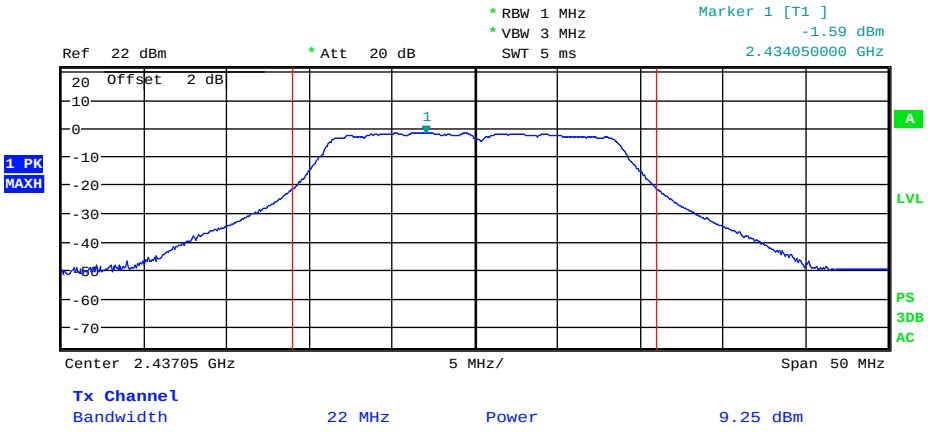
Test mode:	802.11g	Test channel:	Highest



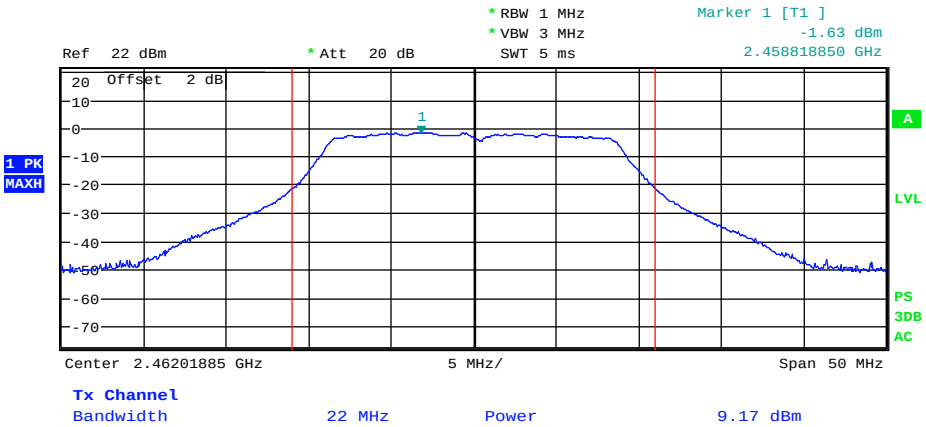
Test mode:	802.11n(H20)	Test channel:	Lowest



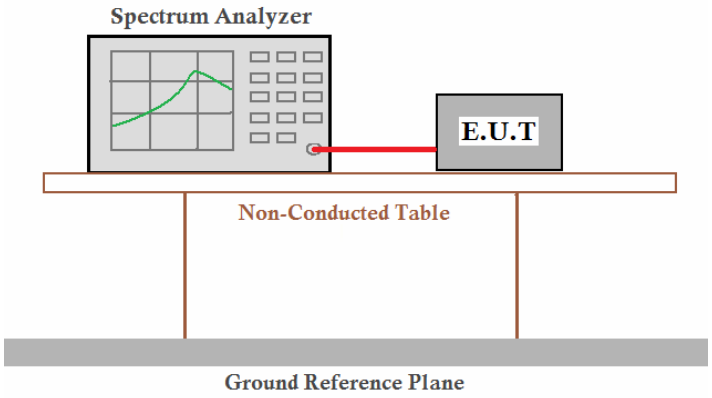
Test mode:	802.11n(H20)	Test channel:	Middle



Test mode:	802.11n(H20)	Test channel:	Highest



6.4 6dB Occupy Bandwidth

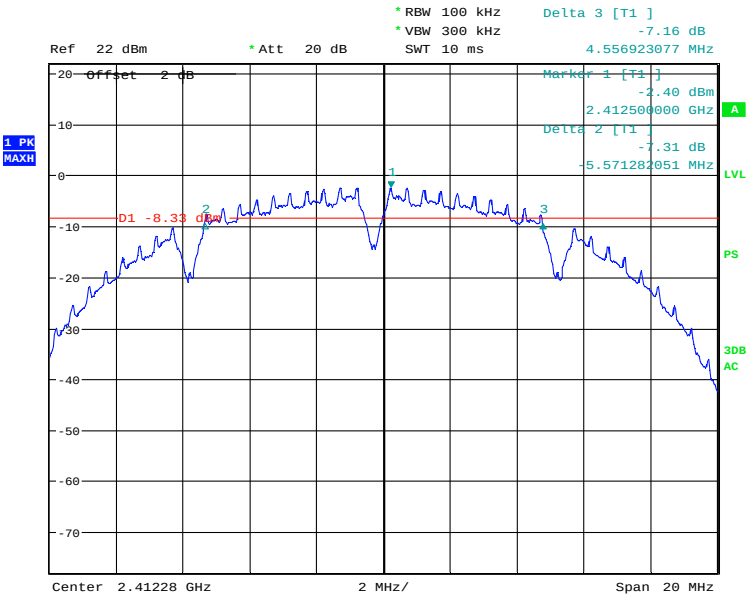
Test Requirement:	FCC Part15 C Section 15.247 (a)(2)
Test Method:	ANSI C63.4:2003 and KDB558074
Limit:	>500KHz
Test setup:	
Test Instruments:	Refer to section 5.6 for details
Test mode:	Refer to section 5.3 for details
Test results:	Pass

Measurement Data

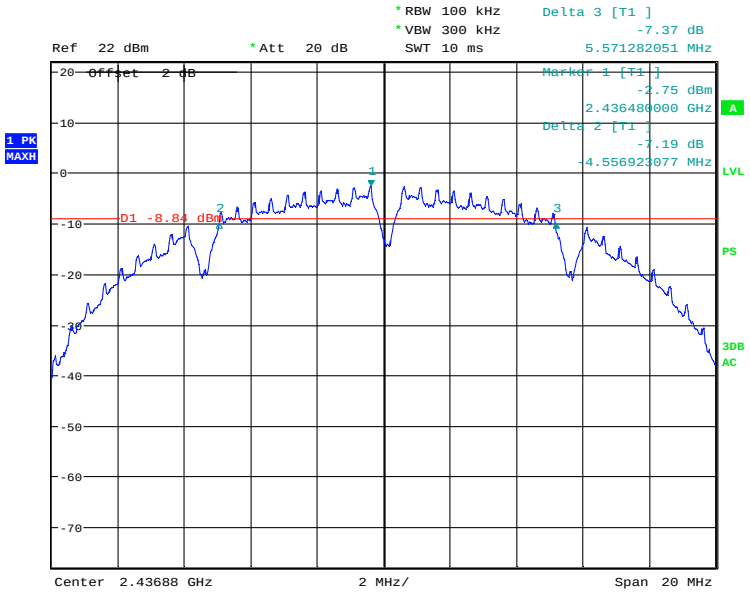
802.11b mode			
Test channel	6dB Occupy Bandwidth (MHz)	Limit (KHz)	Result
Lowest	10.128	>500	Pass
Middle	10.128	>500	Pass
Highest	10.096	>500	Pass
802.11g mode			
Test channel	6dB Occupy Bandwidth (MHz)	Limit (KHz)	Result
Lowest	16.550	>500	Pass
Middle	16.570	>500	Pass
Highest	16.506	>500	Pass
802.11n-H20 mode			
Test channel	6dB Occupy Bandwidth (MHz)	Limit (KHz)	Result
Lowest	17.757	>500	Pass
Middle	17.809	>500	Pass
Highest	17.821	>500	Pass

Test plot as follows:

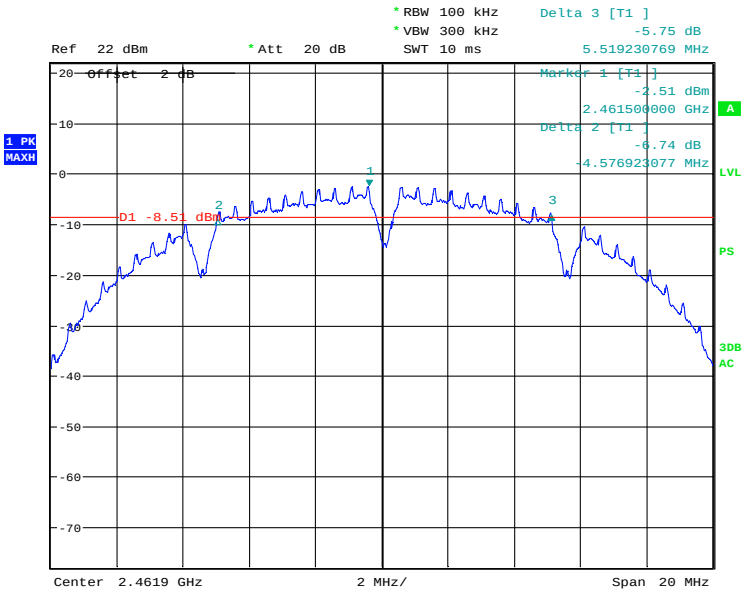
Test mode:	802.11b	Test channel:	Lowest



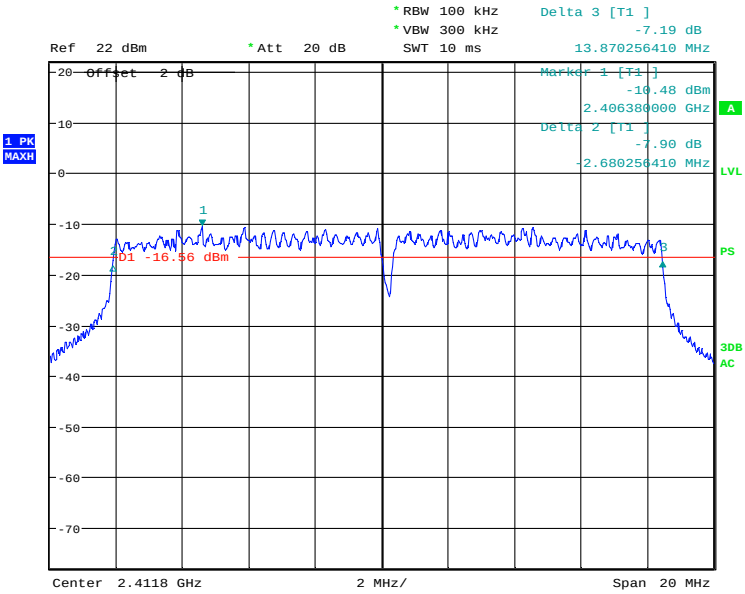
Test mode:	802.11b	Test channel:	Middle



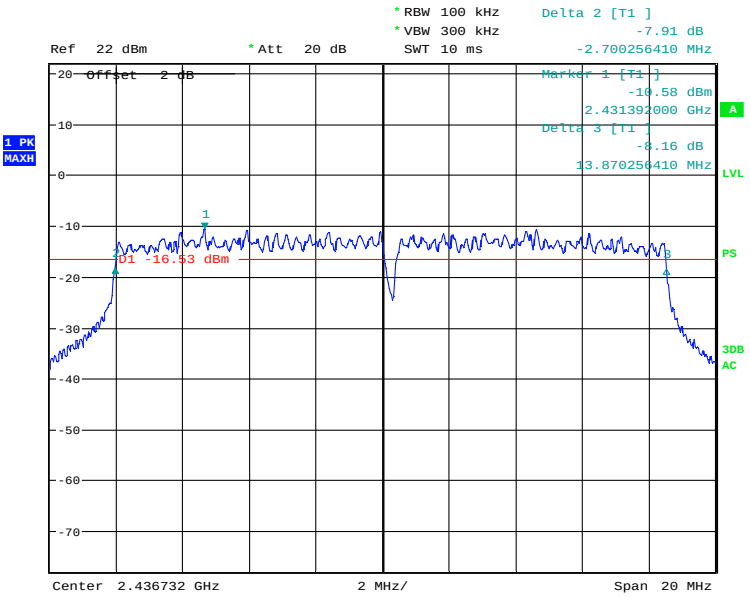
Test mode:	802.11b	Test channel:	Highest



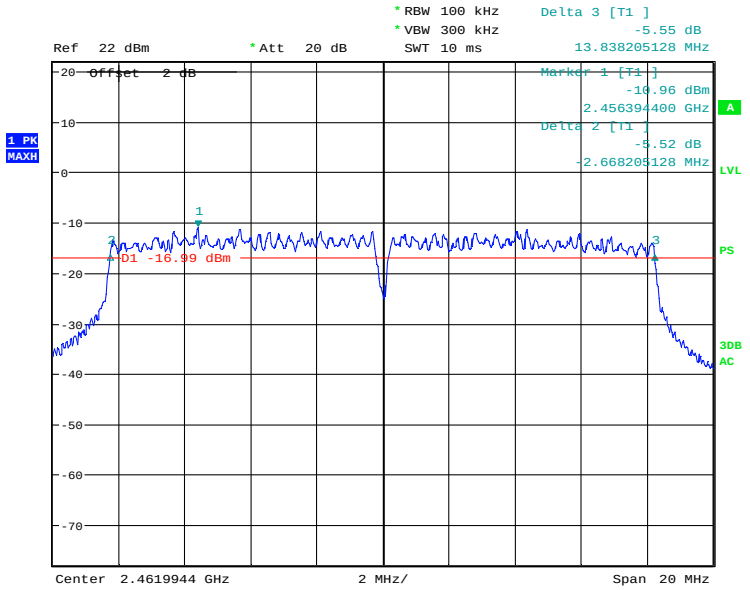
Test mode:	802.11g	Test channel:	Lowest



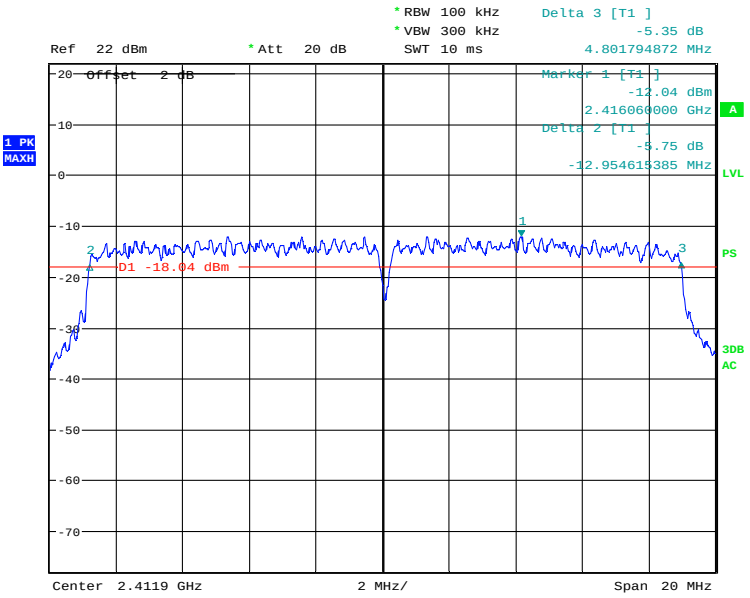
Test mode:	802.11g	Test channel:	Middle



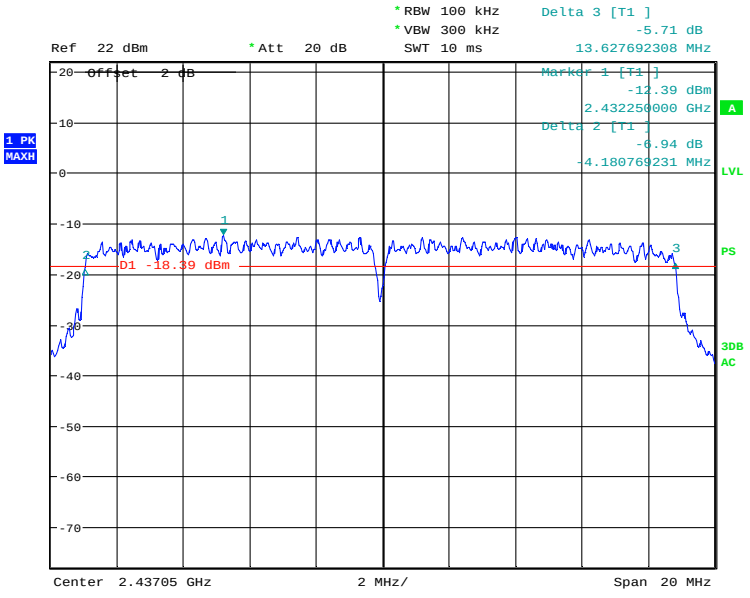
Test mode:	802.11g	Test channel:	Highest



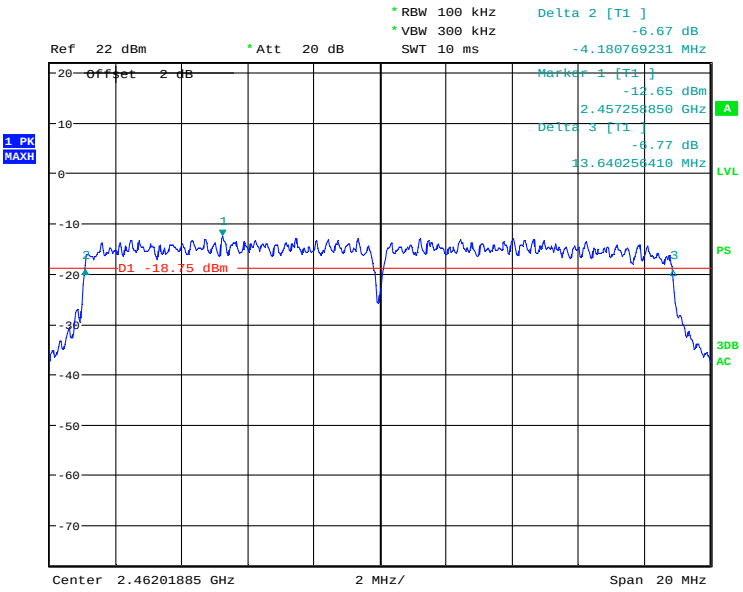
Test mode:	802.11n-H20	Test channel:	Lowest



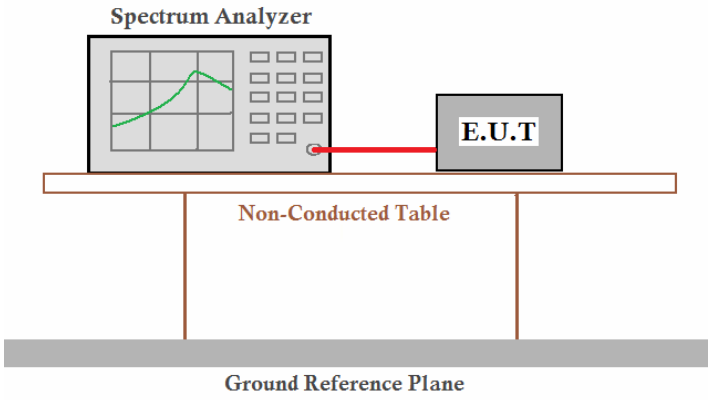
Test mode:	802.11n-H20	Test channel:	Middle



Test mode:	802.11n-H20	Test channel:	Highest



6.5 Power Spectral Density

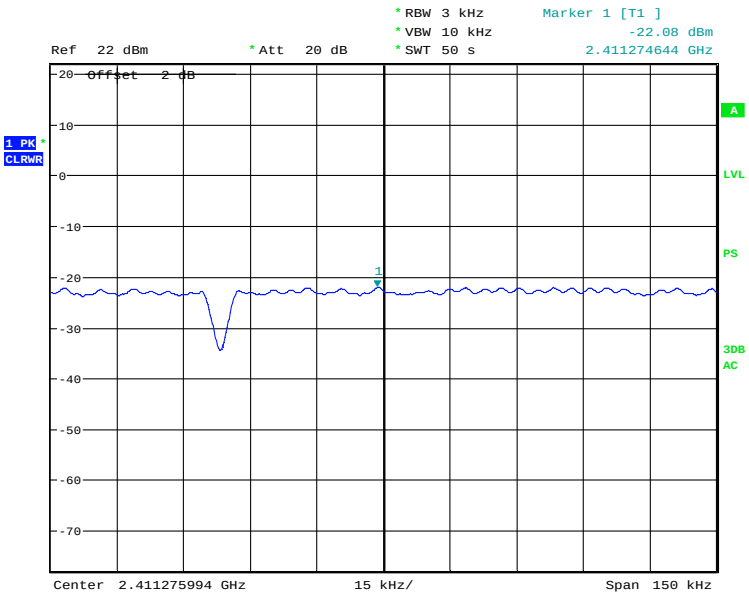
Test Requirement:	FCC Part15 C Section 15.247 (e)
Test Method:	ANSI C63.4:2003 and KDB558074
Limit:	8dBm
Test setup:	
Test Instruments:	Refer to section 5.6 for details
Test mode:	Refer to section 5.3 for details
Test results:	Pass

Measurement Data

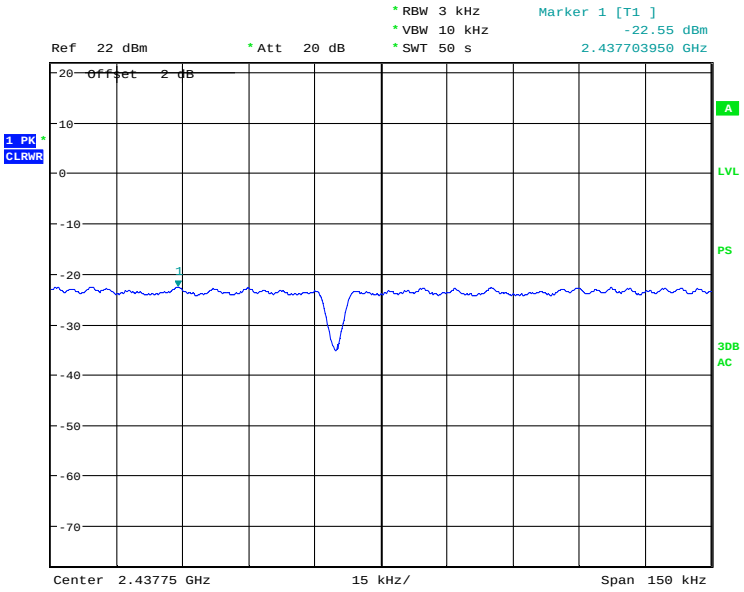
802.11b mode			
Test channel	Power Spectral Density (dBm)	Limit (dBm)	Result
Lowest	-22.08	8.00	Pass
Middle	-22.55	8.00	Pass
Highest	-21.98	8.00	Pass
802.11g mode			
Test channel	Power Spectral Density (dBm)	Limit (dBm)	Result
Lowest	-26.09	8.00	Pass
Middle	-25.16	8.00	Pass
Highest	-25.29	8.00	Pass
802.11n-H20 mode			
Test channel	Power Spectral Density (dBm)	Limit (dBm)	Result
Lowest	-26.09	8.00	Pass
Middle	-26.20	8.00	Pass
Highest	-26.81	8.00	Pass

Test plot as follows:

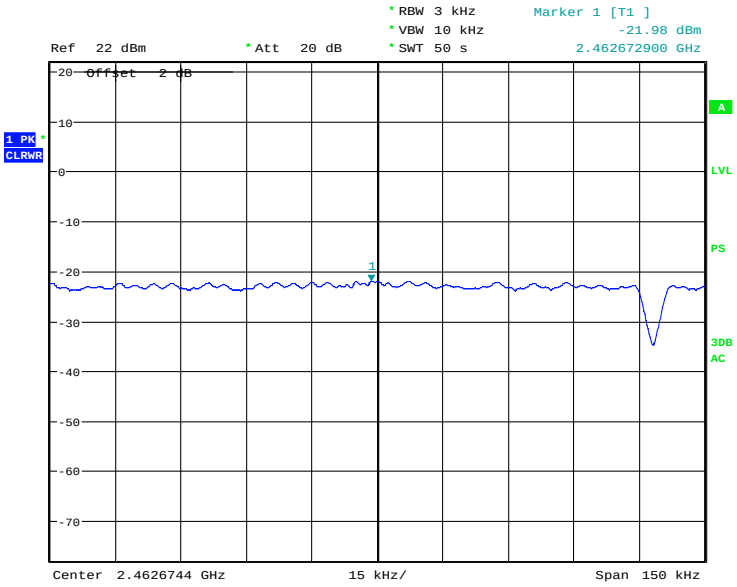
Test mode:	802.11b	Test channel:	Lowest



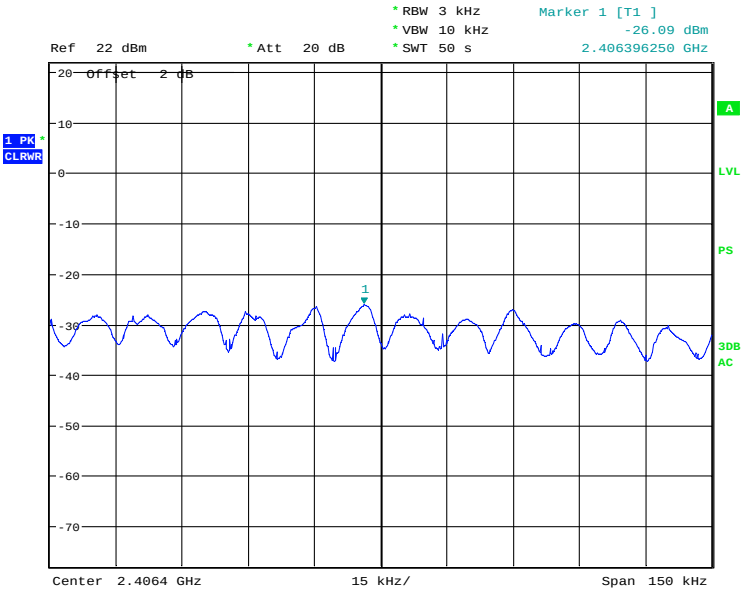
Test mode:	802.11b	Test channel:	Middle



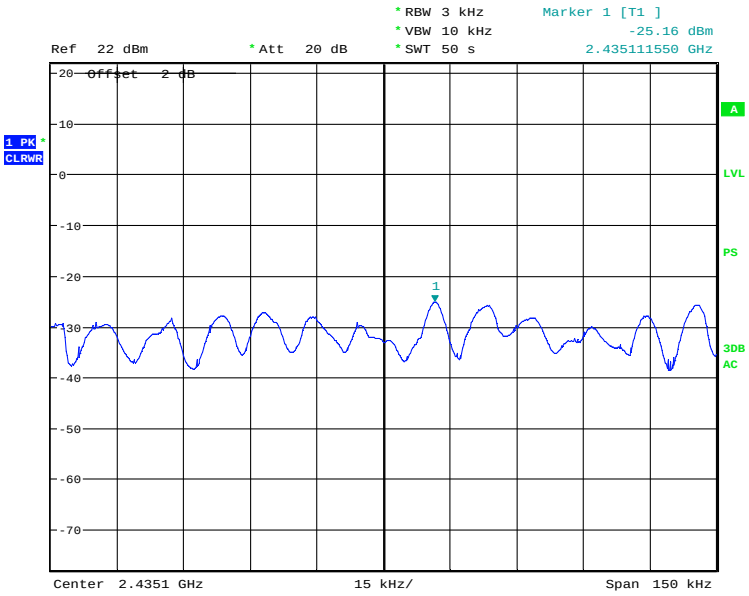
Test mode:	802.11b	Test channel:	Highest



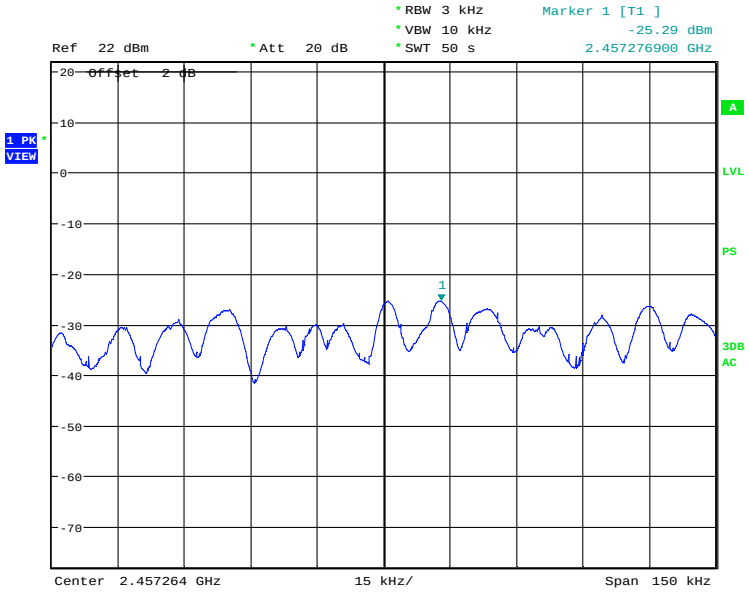
Test mode:	802.11g	Test channel:	Lowest



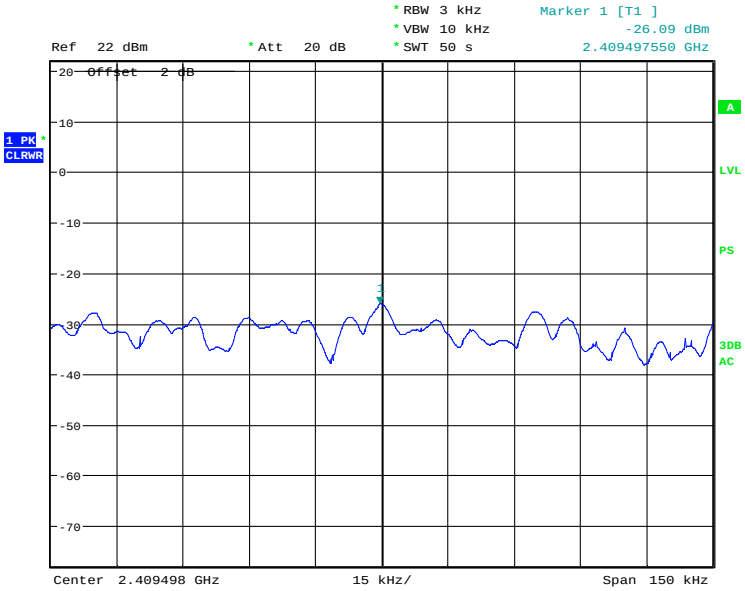
Test mode:	802.11g	Test channel:	Middle



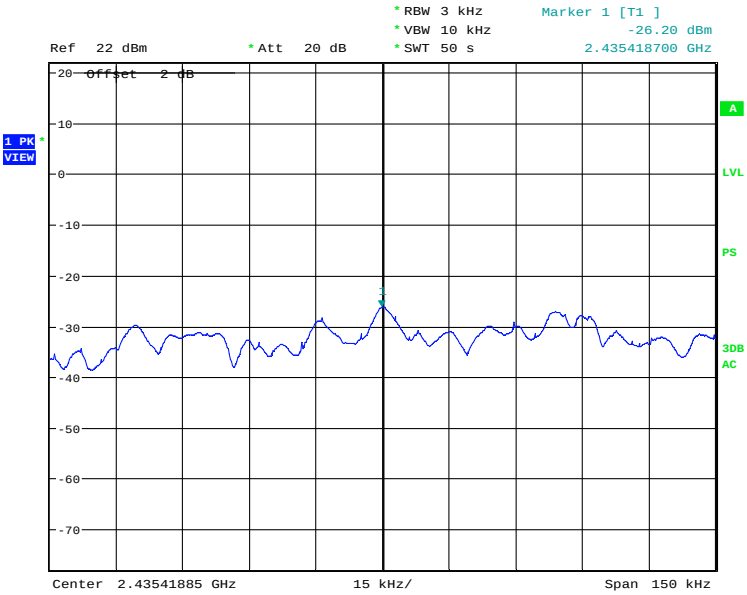
Test mode:	802.11g	Test channel:	Highest



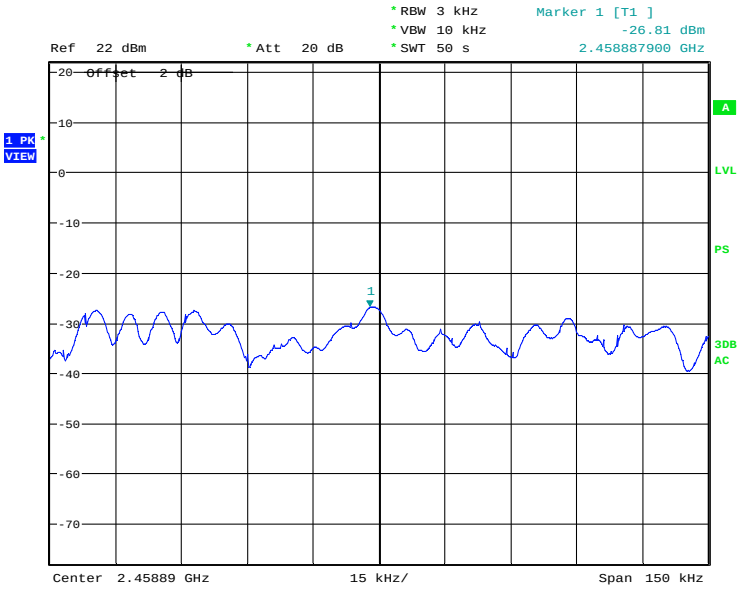
Test mode:	802.11n-H20	Test channel:	Lowest



Test mode:	802.11n-H20	Test channel:	Middle

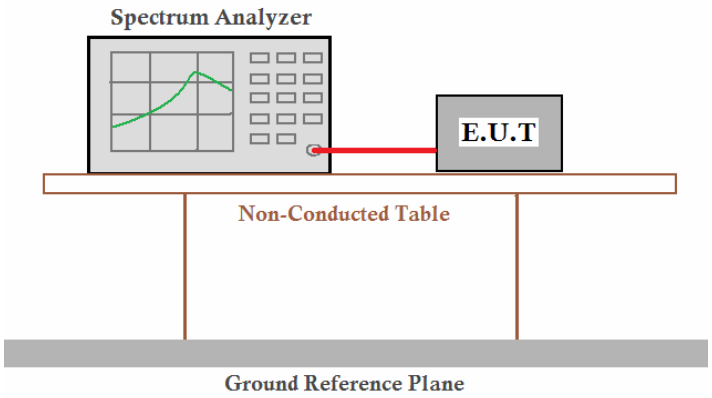


Test mode:	802.11n-H20	Test channel:	Highest



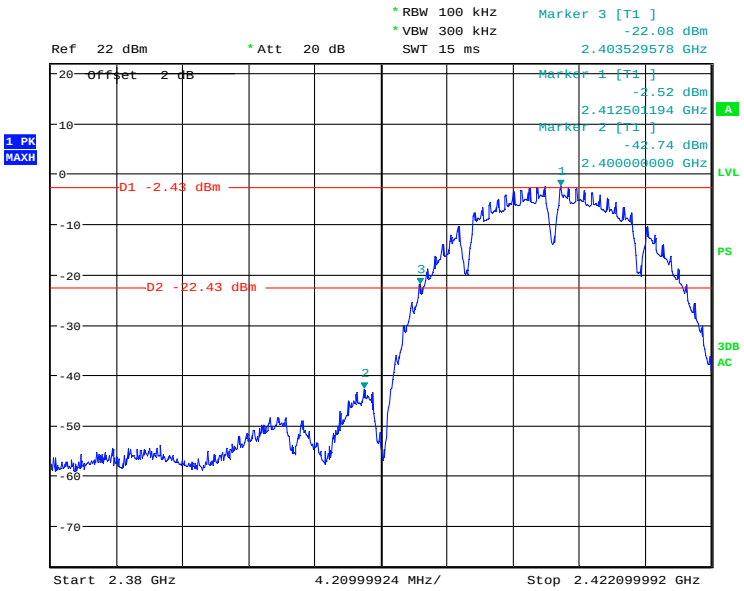
6.6 Band Edge

6.6.1 Conducted Emission Method

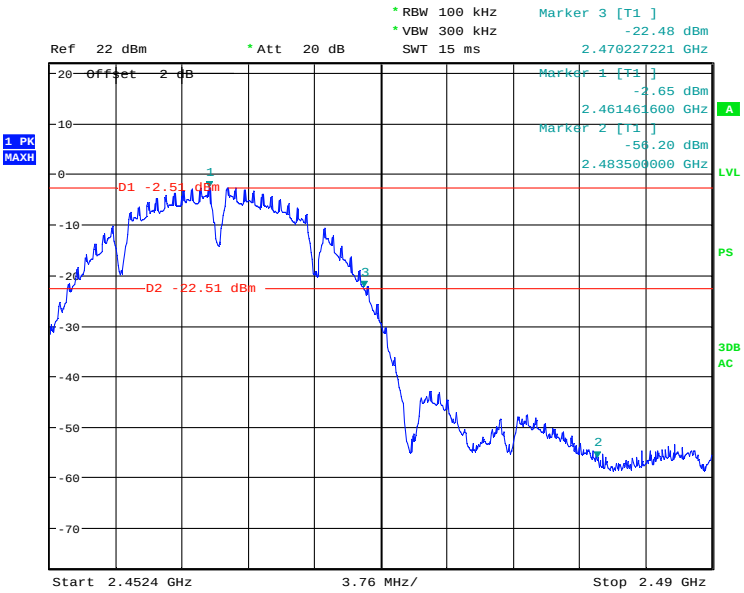
Test Requirement:	FCC Part15 C Section 15.247 (d)
Test Method:	ANSI C63.4:2003 and KDB558074
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 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 5.6 for details
Test mode:	Refer to section 5.3 for details
Test results:	Pass

Test plot as follows:

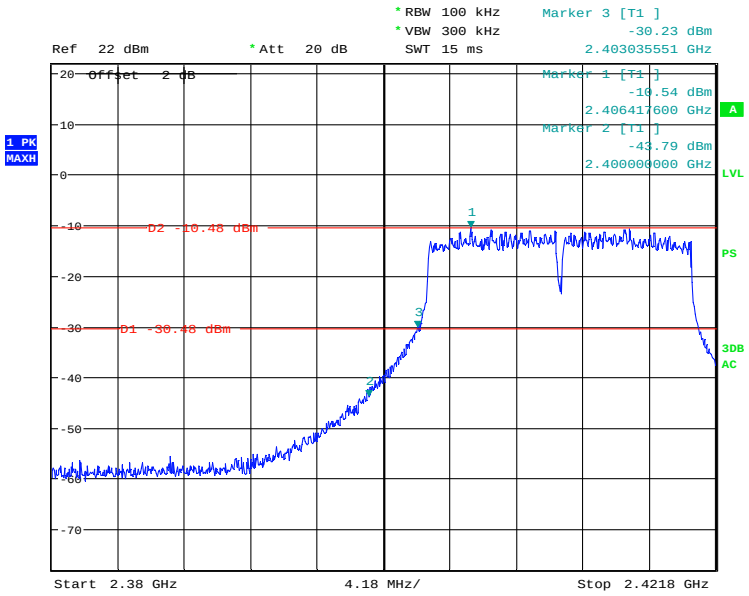
Test mode:	802.11b	Test channel:	Lowest



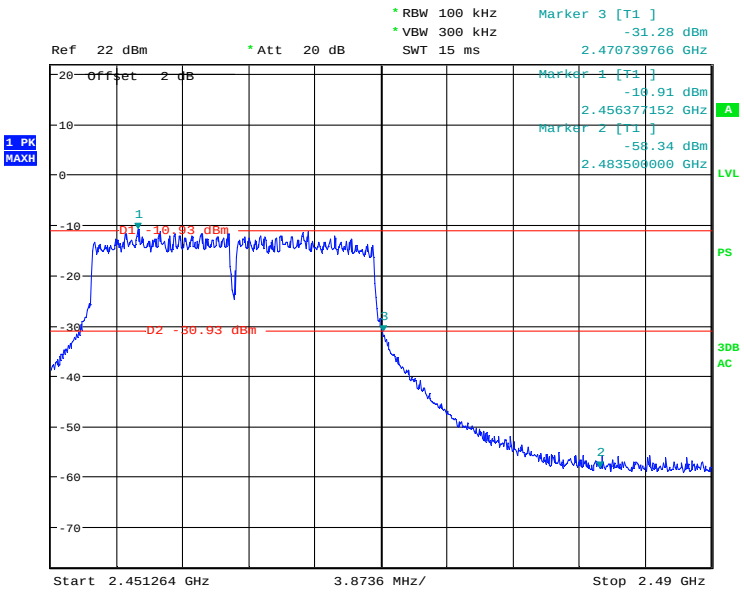
Test mode:	802.11b	Test channel:	Highest



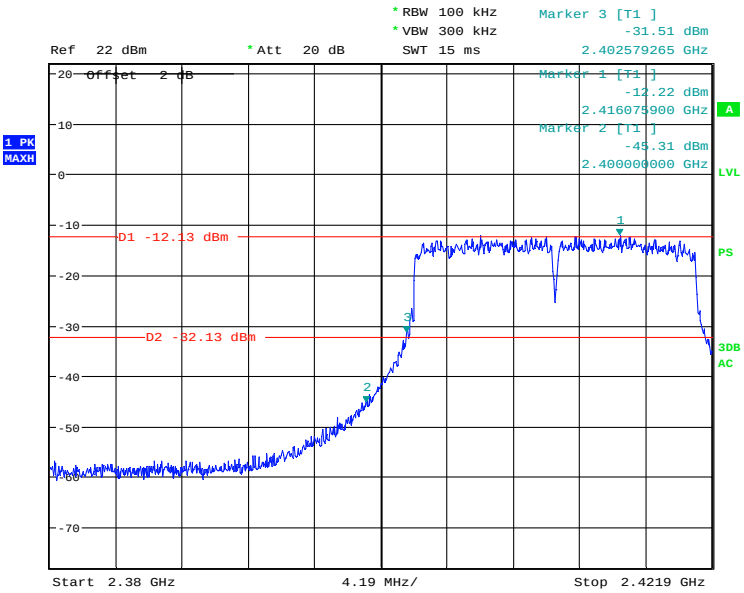
Test mode:	802.11g	Test channel:	Lowest



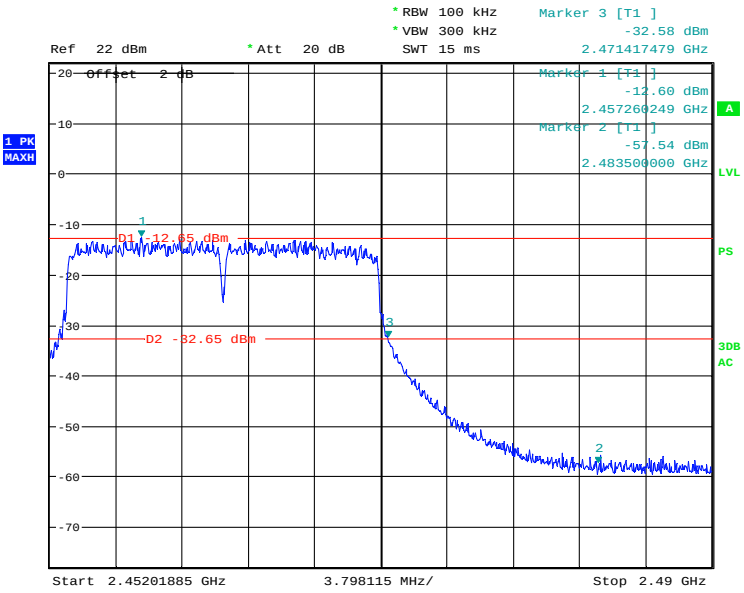
Test mode:	802.11g	Test channel:	Highest



Test mode:	802.11n (H20)	Test channel:	Lowest

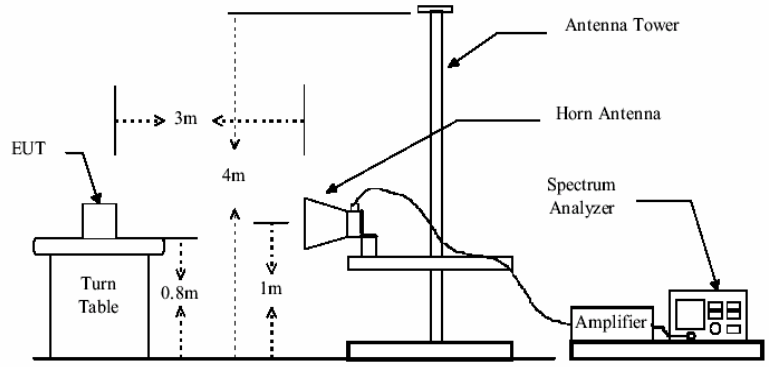


Test mode:	802.11n (H20)	Test channel:	Highest



6.6.2 Radiated Emission Method

<table>
<tr><td>Test Requirement:</td><td>FCC Part15 C Section 15.209 and 15.205</td></tr>
<tr><td>Test Method:</td><td>ANSI C63.4: 2003</td></tr>
<tr><td>Test Frequency Range:</td><td>2.3GHz to 2.5GHz</td></tr>
<tr><td>Test site:</td><td>Measurement Distance: 3m (Semi-Anechoic Chamber)</td></tr>
<tr><td>Receiver setup:</td><td>
<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>
</td></tr>
<tr><td>Limit:</td><td>
<table>
<tr><td>Frequency</td><td>Limit (dBuV/m @3m)</td><td>Remark</td></tr>
<tr><td rowspan="2">Above 1GHz</td><td>54.0</td><td>Average Value</td></tr>
<tr><td>74.0</td><td>Peak Value</td></tr>
</table>
</td></tr>
<tr><td>Test Procedure:</td><td>a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.
b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
c. 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.
d. 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 rotable table was turned from 0 degrees to 360 degrees to find the maximum reading.
e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
f. 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.</td></tr>
</table>

Test setup:	
Test Instruments:	Refer to section 5.6 for details
Test mode:	Refer to section 5.3 for details
Test results:	Pass

Note:
The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor

Measurement data:

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
2390.00	49.37	27.59	3.33	30.10	50.19	74.00	-23.81	Vertical
2400.00	53.43	27.58	3.37	30.10	54.28	74.00	-19.72	Vertical
2390.00	50.62	27.59	3.33	30.10	51.44	74.00	-22.56	Horizontal
2400.00	54.59	27.58	3.37	30.10	55.44	74.00	-18.56	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
2390.00	33.01	27.59	3.33	30.10	33.83	54.00	-20.17	Vertical
2400.00	36.42	27.58	3.37	30.10	37.27	54.00	-16.73	Vertical
2390.00	34.26	27.59	3.33	30.10	35.08	54.00	-18.92	Horizontal
2400.00	37.58	27.58	3.37	30.10	38.43	54.00	-15.57	Horizontal

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
2483.50	49.91	27.53	3.49	29.93	51.00	74.00	-23.00	Vertical
2500.00	53.71	27.55	3.52	30.70	54.08	74.00	-19.92	Vertical
2483.50	51.21	27.53	3.49	29.93	52.30	74.00	-21.70	Horizontal
2500.00	54.97	27.55	3.52	30.70	55.34	74.00	-18.66	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
2483.50	36.77	27.53	3.49	29.93	37.86	54.00	-16.14	Vertical
2500.00	32.10	27.55	3.52	30.70	32.47	54.00	-21.53	Vertical
2483.50	38.07	27.53	3.49	29.93	39.16	54.00	-14.84	Horizontal
2500.00	33.36	27.55	3.52	30.70	33.73	54.00	-20.27	Horizontal

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
2390.00	47.82	27.59	3.33	30.10	48.64	74.00	-25.36	Vertical
2400.00	51.81	27.58	3.37	30.10	52.66	74.00	-21.34	Vertical
2390.00	49.26	27.59	3.33	30.10	50.08	74.00	-23.92	Horizontal
2400.00	53.19	27.58	3.37	30.10	54.04	74.00	-19.96	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
2390.00	33.08	27.59	3.33	30.10	33.90	54.00	-20.10	Vertical
2400.00	36.90	27.58	3.37	30.10	37.75	54.00	-16.25	Vertical
2390.00	34.96	27.59	3.33	30.10	35.78	54.00	-18.22	Horizontal
2400.00	38.81	27.58	3.37	30.10	39.66	54.00	-14.34	Horizontal

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
2483.50	48.65	27.53	3.49	29.93	49.74	74.00	-24.26	Vertical
2500.00	52.50	27.55	3.52	30.70	52.87	74.00	-21.13	Vertical
2483.50	50.15	27.53	3.49	29.93	51.24	74.00	-22.76	Horizontal
2500.00	53.86	27.55	3.52	30.70	54.23	74.00	-19.77	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
2483.50	38.19	27.53	3.49	29.93	39.28	54.00	-14.72	Vertical
2500.00	33.83	27.55	3.52	30.70	34.20	54.00	-19.80	Vertical
2483.50	38.40	27.53	3.49	29.93	39.49	54.00	-14.51	Horizontal
2500.00	34.07	27.55	3.52	30.70	34.44	54.00	-19.56	Horizontal

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
2390.00	48.96	27.59	3.33	30.10	49.78	74.00	-24.22	Vertical
2400.00	54.26	27.58	3.37	30.10	55.11	74.00	-18.89	Vertical
2390.00	49.42	27.59	3.33	30.10	50.24	74.00	-23.76	Horizontal
2400.00	53.43	27.58	3.37	30.10	54.28	74.00	-19.72	Horizontal

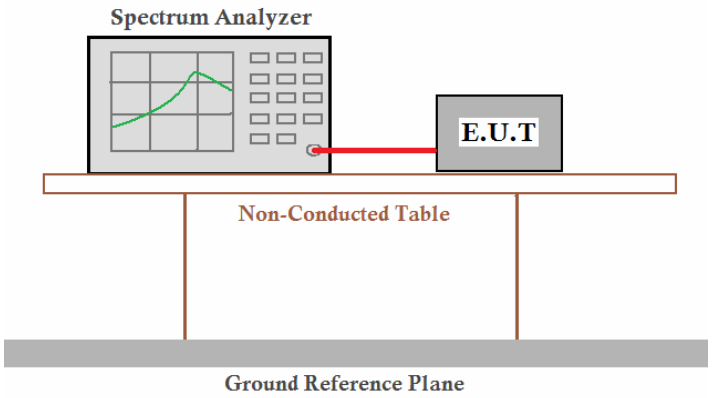
Test mode:	802.11n(H20)	Test channel:	Lowest	Remark:	Average		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
2390.00	35.29	27.59	3.33	30.10	36.11	54.00	-17.89	Vertical
2400.00	39.13	27.58	3.37	30.10	39.98	54.00	-14.02	Vertical
2390.00	34.75	27.59	3.33	30.10	35.57	54.00	-18.43	Horizontal
2400.00	38.57	27.58	3.37	30.10	39.42	54.00	-14.58	Horizontal

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
2483.50	52.48	27.53	3.49	29.93	53.57	74.00	-20.43	Vertical
2500.00	47.99	27.55	3.52	30.70	48.36	74.00	-25.64	Vertical
2483.50	52.06	27.53	3.49	29.93	53.15	74.00	-20.85	Horizontal
2500.00	47.25	27.55	3.52	30.70	47.62	74.00	-26.38	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
2483.50	38.47	27.53	3.49	29.93	39.56	54.00	-14.44	Vertical
2500.00	35.24	27.55	3.52	30.70	35.61	54.00	-18.39	Vertical
2483.50	37.42	27.53	3.49	29.93	38.51	54.00	-15.49	Horizontal
2500.00	34.98	27.55	3.52	30.70	35.35	54.00	-18.65	Horizontal

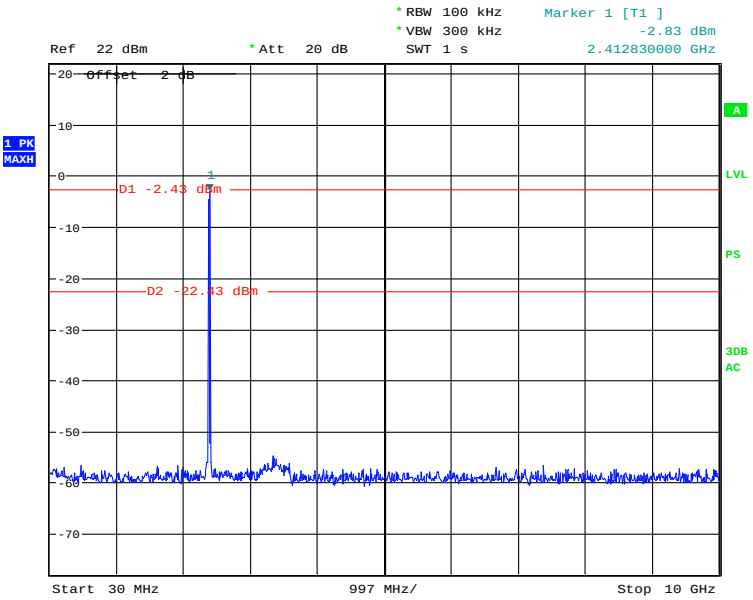
6.7 Spurious Emission

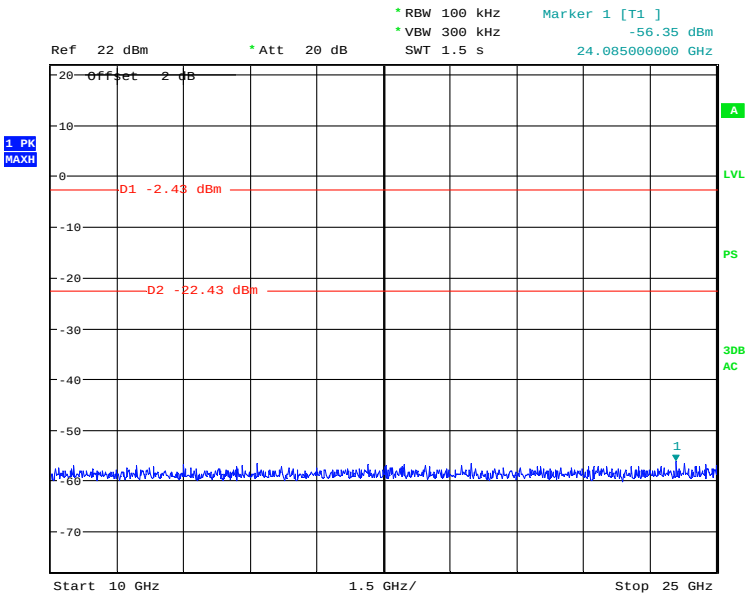
6.7.1 Conducted Emission Method

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:	
Test Instruments:	Refer to section 5.6 for details
Test mode:	Refer to section 5.3 for details
Test results:	Pass

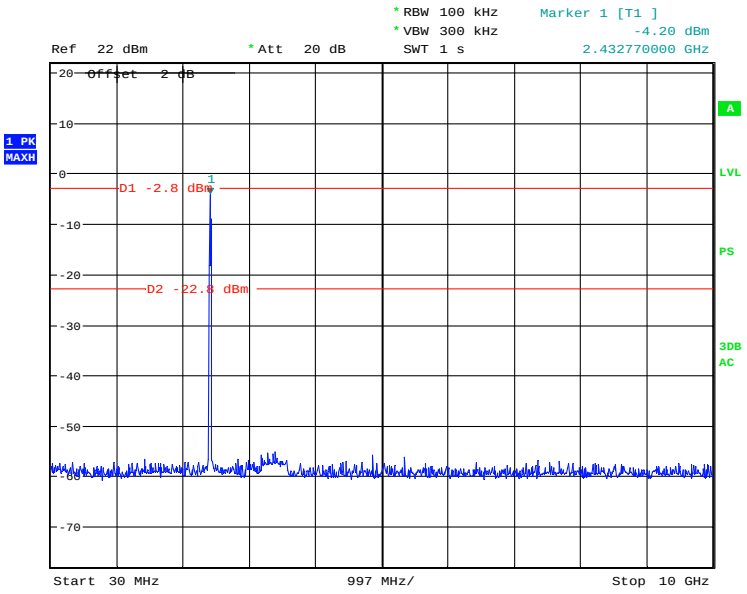
Test plot as follows:

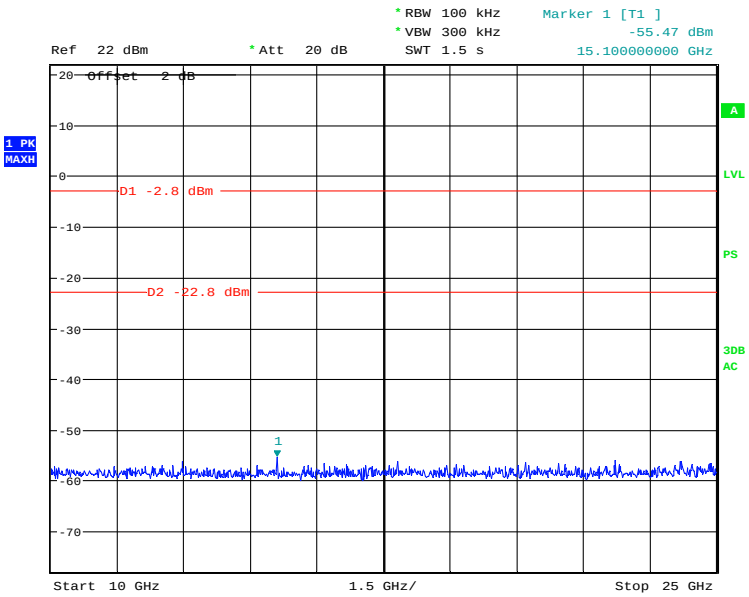
Test mode:	802.11b	Test channel:	Lowest



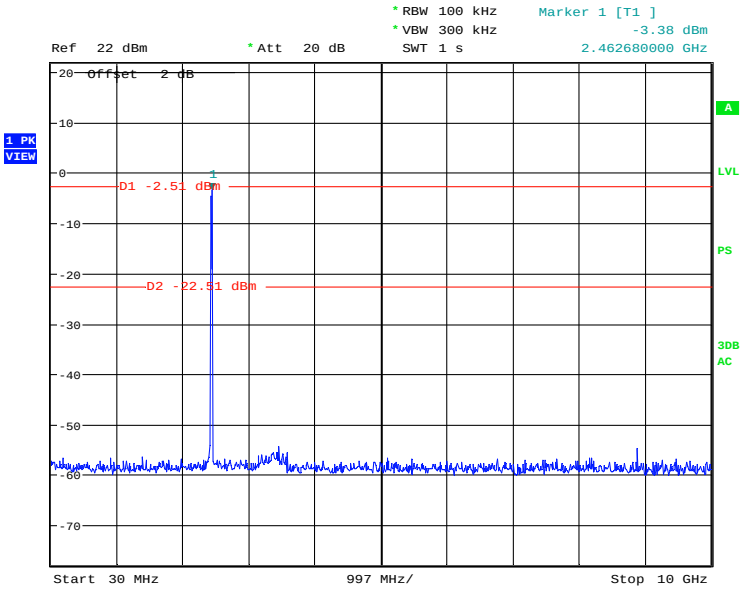


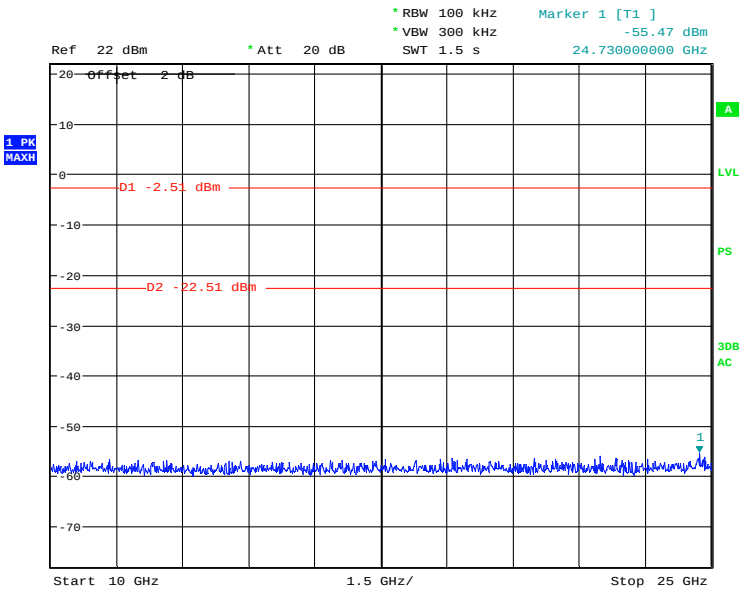
Test mode:	802.11b	Test channel:	Middle



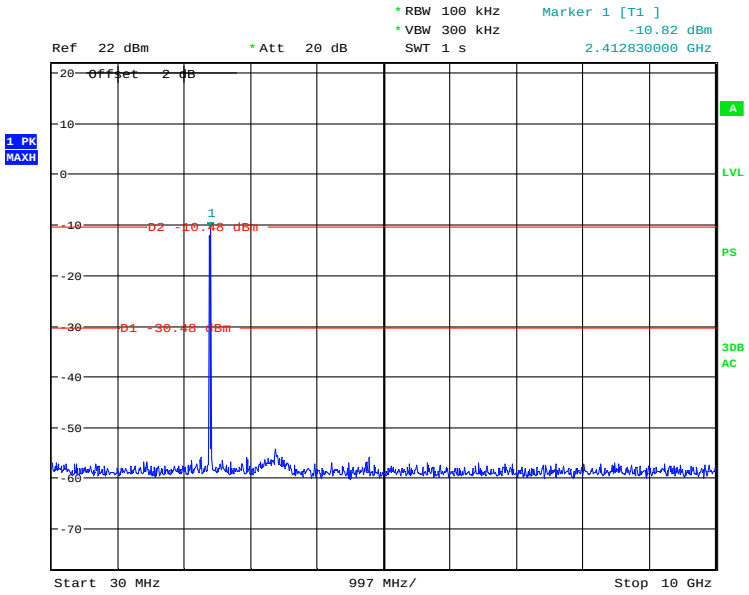


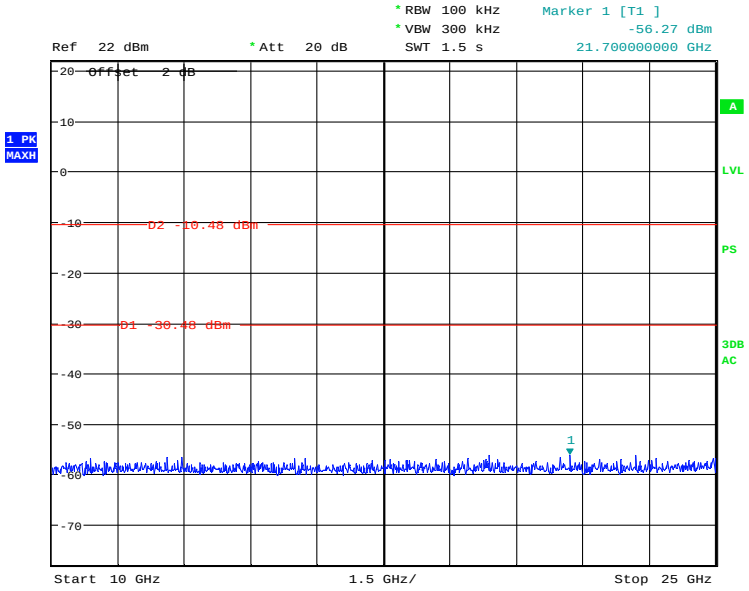
Test mode:	802.11b	Test channel:	Highest



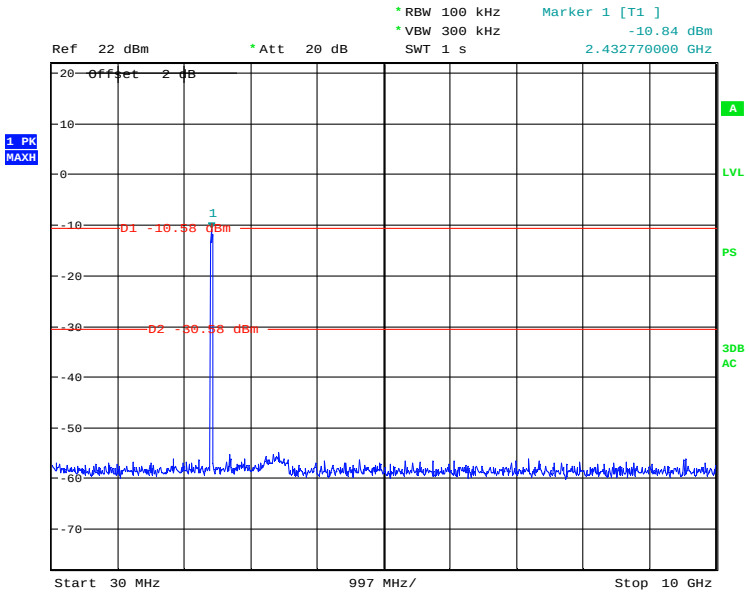


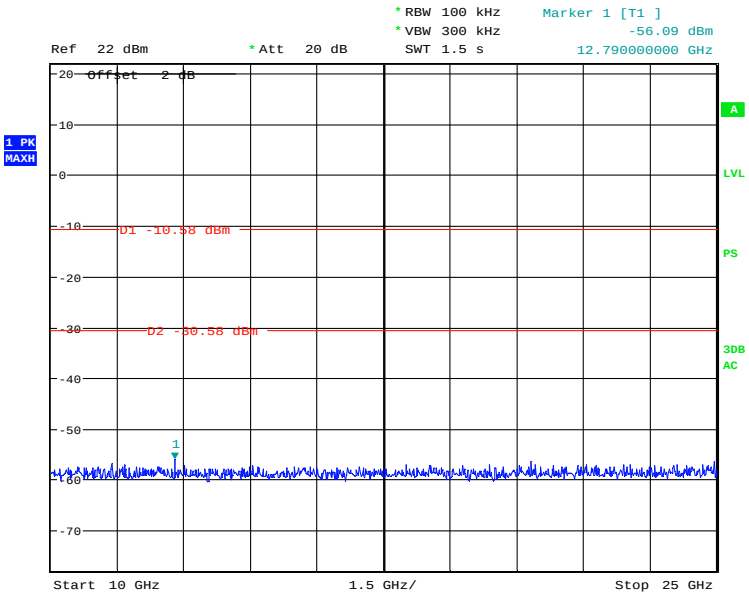
Test mode:	802.11g	Test channel:	Lowest



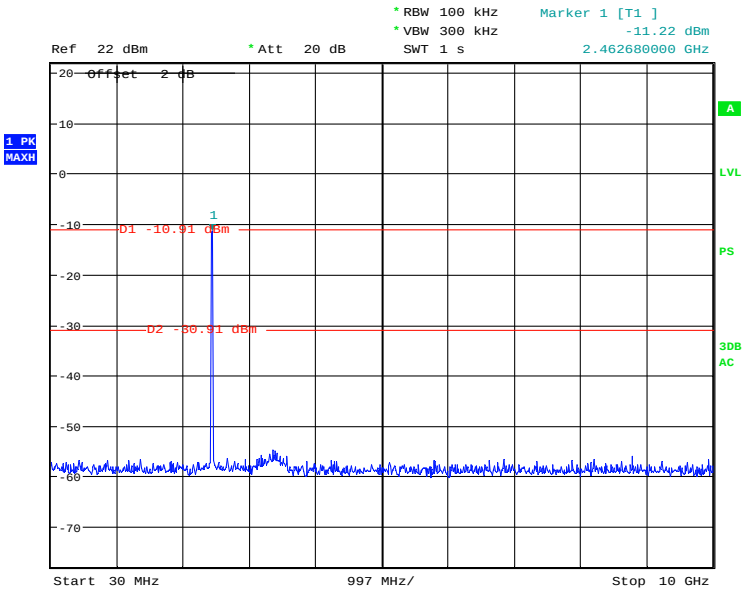


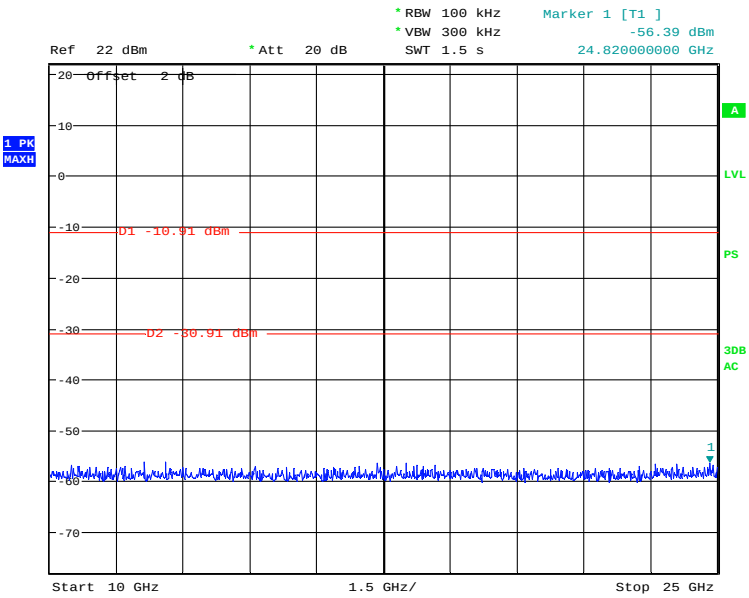
Test mode:	802.11g	Test channel:	Middle



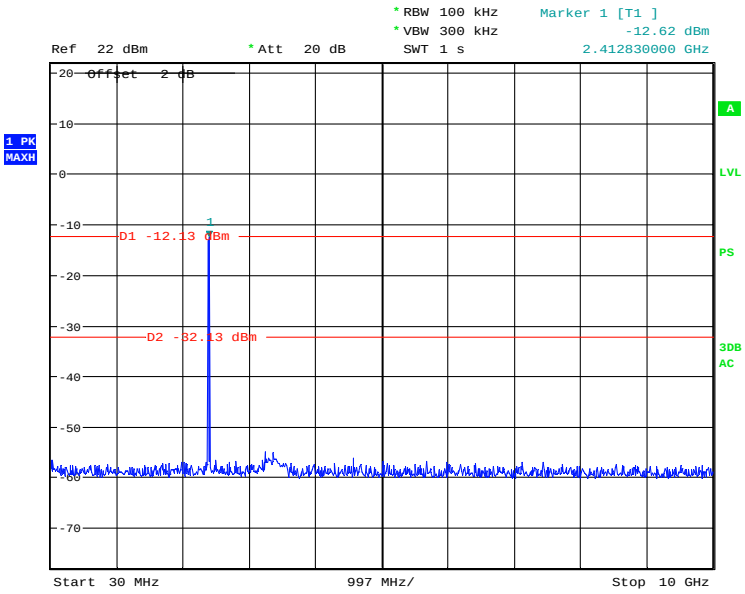


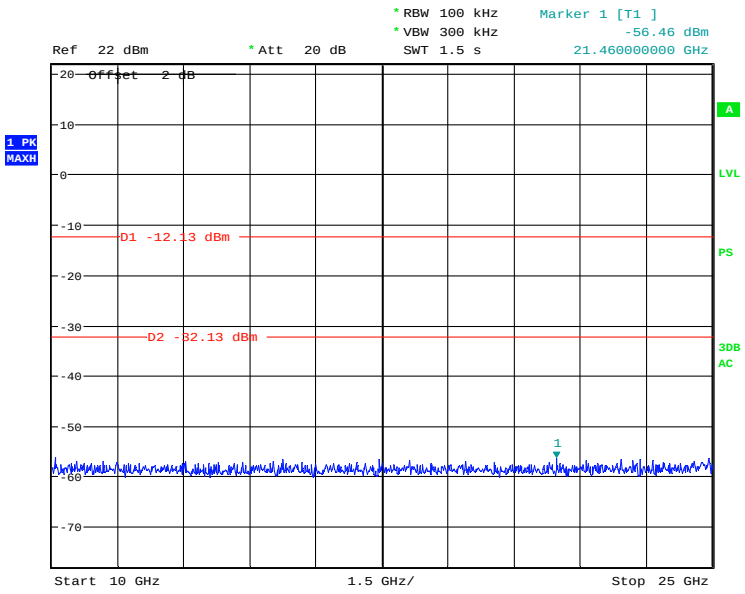
Test mode:	802.11g	Test channel:	Highest



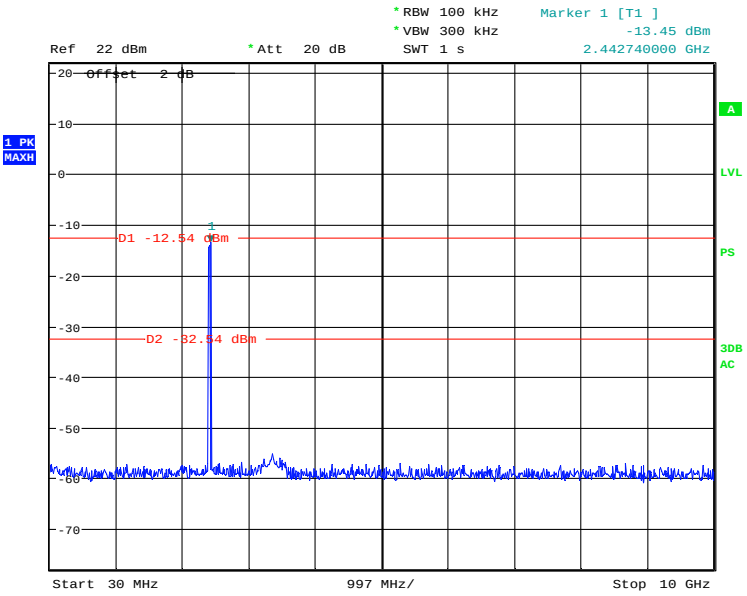


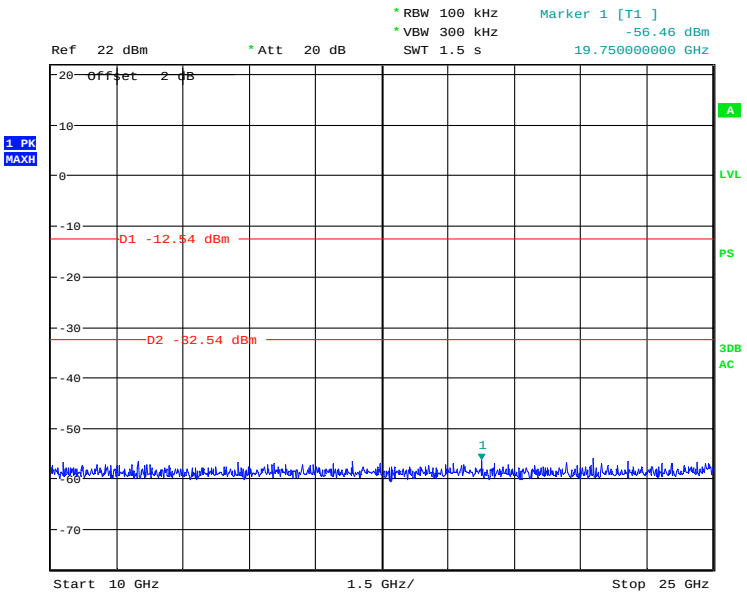
Test mode:	802.11n(H20)	Test channel:	Lowest



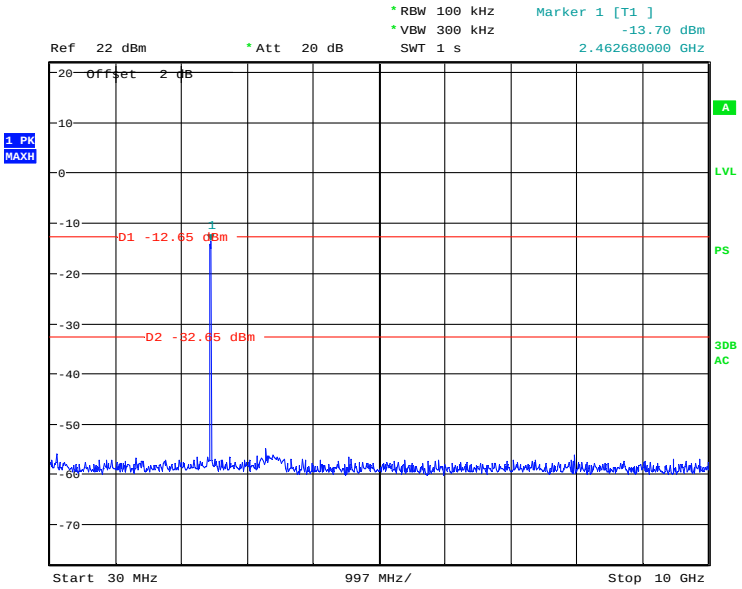


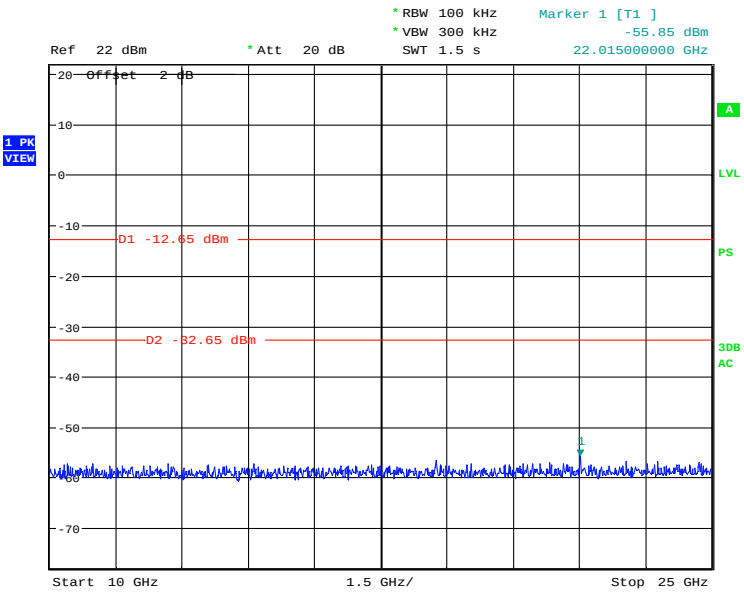
Test mode:	802.11n(H20)	Test channel:	Middle





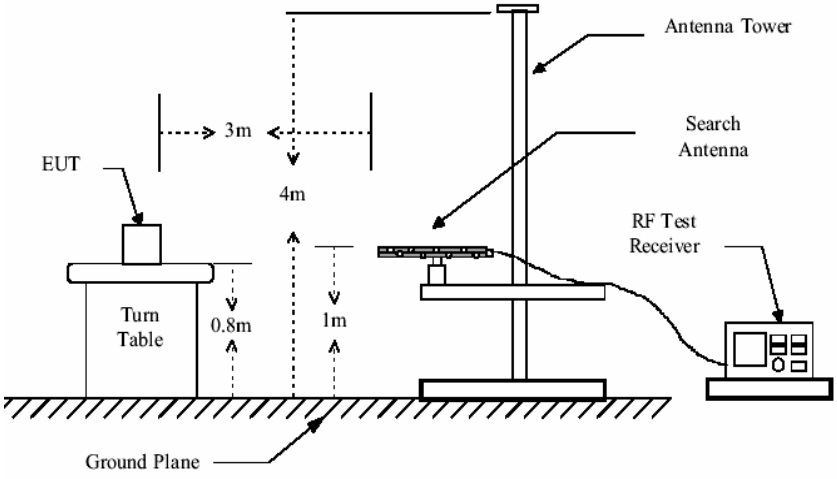
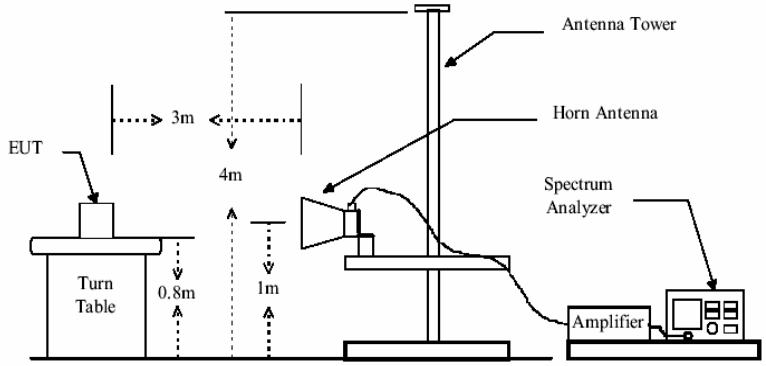
Test mode:	802.11n(H20)	Test channel:	Highest





6.7.2 Radiated Emission Method

<table>
<tr><td>Test Requirement:</td><td>FCC Part15 C Section 15.209 and 15.205</td></tr>
<tr><td>Test Method:</td><td>ANSI C63.4:2003</td></tr>
<tr><td>Test Frequency Range:</td><td>30MHz to 25GHz</td></tr>
<tr><td>Test site:</td><td>Measurement Distance: 3m (Semi-Anechoic Chamber)</td></tr>
<tr><td>Receiver setup:</td><td>
<table>
<tr><td>Frequency</td><td>Detector</td><td>RBW</td><td>VBW</td><td>Remark</td></tr>
<tr><td>30MHz-1GHz</td><td>Quasi-peak</td><td>100KHz</td><td>300KHz</td><td>Quasi-peak Value</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>
</td></tr>
<tr><td>Limit:</td><td>
<table>
<tr><td>Frequency</td><td>Limit (dBuV/m @3m)</td><td>Remark</td></tr>
<tr><td>30MHz-88MHz</td><td>40.0</td><td>Quasi-peak Value</td></tr>
<tr><td>88MHz-216MHz</td><td>43.5</td><td>Quasi-peak Value</td></tr>
<tr><td>216MHz-960MHz</td><td>46.0</td><td>Quasi-peak Value</td></tr>
<tr><td>960MHz-1GHz</td><td>54.0</td><td>Quasi-peak Value</td></tr>
<tr><td rowspan="2">Above 1GHz</td><td>54.0</td><td>Average Value</td></tr>
<tr><td>74.0</td><td>Peak Value</td></tr>
</table>
</td></tr>
<tr><td>Test Procedure:</td><td>g. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.
h. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
i. 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.
j. 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 rotable table was turned from 0 degrees to 360 degrees to find the maximum reading.
k. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
l. 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</td></tr>
</table>

	sheet.
Test setup:	Below 1GHz  Above 1GHz 
Test Instruments:	Refer to section 5.6 for details
Test mode:	Refer to section 5.3 for details
Test results:	Pass

Note:
The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor

Below 1GHz

Test in WIFI mode.

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
30.85	47.96	14.37	0.60	32.27	30.66	40.00	-9.34	Vertical
53.13	43.63	15.84	0.68	31.99	28.16	40.00	-11.84	Vertical
122.40	45.14	10.30	1.34	31.83	24.95	43.50	-18.55	Vertical
313.28	42.34	12.71	2.10	32.30	24.85	46.00	-21.15	Vertical
399.03	44.28	14.20	2.26	32.32	28.42	46.00	-17.58	Vertical
684.75	40.40	19.98	2.89	31.64	31.63	46.00	-14.37	Vertical
30.64	37.59	15.88	0.60	32.27	21.80	40.00	-18.20	Horizontal
64.43	42.28	10.66	0.76	31.93	21.77	40.00	-18.23	Horizontal
122.40	44.96	10.52	1.34	31.83	24.99	43.50	-18.51	Horizontal
213.02	44.47	10.82	1.83	32.27	24.85	43.50	-18.65	Horizontal
302.48	49.78	13.09	2.08	32.30	32.65	46.00	-13.35	Horizontal
455.91	45.31	19.45	2.34	31.92	35.18	46.00	-10.82	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	41.57	31.79	5.34	24.07	54.63	74.00	-19.37	Vertical
7236	32.67	36.19	6.88	26.44	49.30	74.00	-24.70	Vertical
9648	31.14	38.07	8.96	25.36	52.81	74.00	-21.19	Vertical
12060	29.76	39.05	10.35	25.15	54.01	74.00	-19.99	Vertical
14472	---					74.00		Vertical
16884	---					74.00		Vertical
4824	42.91	31.79	5.34	24.07	55.97	74.00	-18.03	Horizontal
7236	34.06	36.19	6.88	26.44	50.69	74.00	-23.31	Horizontal
9648	32.58	38.07	8.96	25.36	54.25	74.00	-19.75	Horizontal
12060	31.25	39.05	10.35	25.15	55.50	74.00	-18.50	Horizontal
14472	---					74.00		Horizontal
16884	---					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	22.82	31.79	5.34	24.07	35.88	54.00	-18.12	Vertical
7236	17.70	36.19	6.88	26.44	34.33	54.00	-19.67	Vertical
9648	15.65	38.07	8.96	25.36	37.32	54.00	-16.68	Vertical
12060	14.44	39.05	10.35	25.15	38.69	54.00	-15.31	Vertical
14472	---					54.00		Vertical
16884	---					54.00		Vertical
4824	24.13	31.79	5.34	24.07	37.19	54.00	-16.81	Horizontal
7236	19.06	36.19	6.88	26.44	35.69	54.00	-18.31	Horizontal
9648	17.06	38.07	8.96	25.36	38.73	54.00	-15.27	Horizontal
12060	15.90	39.05	10.35	25.15	40.15	54.00	-13.85	Horizontal
14472	---					54.00		Horizontal
16884	---					54.00		Horizontal

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	41.86	31.85	5.40	24.01	55.10	74.00	-18.90	Vertical
7311	30.36	36.37	6.90	26.58	47.05	74.00	-26.95	Vertical
9688	29.67	38.13	8.98	25.34	51.44	74.00	-22.56	Vertical
12185	27.68	38.92	10.38	25.04	51.94	74.00	-22.06	Vertical
14682	---					74.00		Vertical
17179	---					74.00		Vertical
4874	43.70	31.85	5.40	24.01	56.94	74.00	-17.06	Horizontal
7311	32.29	36.37	6.90	26.58	48.98	74.00	-25.02	Horizontal
9688	31.69	38.13	8.98	25.34	53.46	74.00	-20.54	Horizontal
12185	29.79	38.92	10.38	25.04	54.05	74.00	-19.95	Horizontal
14682	---					74.00		Horizontal
17179	---					74.00		Horizontal

Remark

”---“ means that the emission level is too low to be measured

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	24.24	31.85	5.40	24.01	37.48	54.00	-16.52	Vertical
7311	17.41	36.37	6.90	26.58	34.10	54.00	-19.90	Vertical
9688	13.64	38.13	8.98	25.34	35.41	54.00	-18.59	Vertical
12185	14.81	38.92	10.38	25.04	39.07	54.00	-14.93	Vertical
14682	---					54.00		Vertical
17179	---					54.00		Vertical
4874	25.98	31.85	5.40	24.01	39.22	54.00	-14.78	Horizontal
7311	19.19	36.37	6.90	26.58	35.88	54.00	-18.12	Horizontal
9688	15.46	38.13	8.98	25.34	37.23	54.00	-16.77	Horizontal
12185	16.67	38.92	10.38	25.04	40.93	54.00	-13.07	Horizontal
14682	---					54.00		Horizontal
17179	---					54.00		Horizontal

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	39.67	31.89	5.46	23.96	53.06	74.00	-20.94	Vertical
7386	31.91	36.49	6.93	26.79	48.54	74.00	-25.46	Vertical
9848	28.88	38.24	9.05	25.30	50.87	74.00	-23.13	Vertical
12310	27.40	38.83	10.41	24.90	51.74	74.00	-22.26	Vertical
14772	---					74.00		Vertical
17234	---					74.00		Vertical
4924	41.41	31.89	5.46	23.96	54.80	74.00	-19.20	Horizontal
7386	33.76	36.49	6.93	26.79	50.39	74.00	-23.61	Horizontal
9848	30.84	38.24	9.05	25.30	52.83	74.00	-21.17	Horizontal
12310	29.47	38.83	10.41	24.90	53.81	74.00	-20.19	Horizontal
14772	---					74.00		Horizontal
17234	---					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	23.01	31.89	5.46	23.96	36.40	54.00	-17.60	Vertical
7386	17.95	36.49	6.93	26.79	34.58	54.00	-19.42	Vertical
9848	19.12	38.24	9.05	25.30	41.11	54.00	-12.89	Vertical
12310	15.71	38.83	10.41	24.90	40.05	54.00	-13.95	Vertical
14772	---					54.00		Vertical
17234	---					54.00		Vertical
4924	24.67	31.89	5.46	23.96	38.06	54.00	-15.94	Horizontal
7386	19.64	36.49	6.93	26.79	36.27	54.00	-17.73	Horizontal
9848	20.84	38.24	9.05	25.30	42.83	54.00	-11.17	Horizontal
12310	17.46	38.83	10.41	24.90	41.80	54.00	-12.20	Horizontal
14772	---					54.00		Horizontal
17234	---					54.00		Horizontal

Remark

”---“ means that the emission level is too low to be measured

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	37.63	31.79	5.34	24.07	50.69	74.00	-23.31	Vertical
7236	33.32	36.19	6.88	26.44	49.95	74.00	-24.05	Vertical
9648	29.86	38.07	8.96	25.36	51.53	74.00	-22.47	Vertical
12060	28.55	39.05	10.35	25.15	52.80	74.00	-21.20	Vertical
14472	---					74.00		Vertical
16884	---					74.00		Vertical
4824	37.74	31.79	5.34	24.07	50.80	74.00	-23.20	Horizontal
7236	32.58	36.19	6.88	26.44	49.21	74.00	-24.79	Horizontal
9648	31.06	38.07	8.96	25.36	52.73	74.00	-21.27	Horizontal
12060	29.69	39.05	10.35	25.15	53.94	74.00	-20.06	Horizontal
14472	---					74.00		Horizontal
16884	---					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	24.33	31.79	5.34	24.07	37.39	54.00	-16.61	Vertical
7236	20.59	36.19	6.88	26.44	37.22	54.00	-16.78	Vertical
9648	16.18	38.07	8.96	25.36	37.85	54.00	-16.15	Vertical
12060	15.12	39.05	10.35	25.15	39.37	54.00	-14.63	Vertical
14472	---					54.00		Vertical
16884	---					54.00		Vertical
4824	25.64	31.79	5.34	24.07	38.70	54.00	-15.30	Horizontal
7236	21.95	36.19	6.88	26.44	38.58	54.00	-15.42	Horizontal
9648	17.59	38.07	8.96	25.36	39.26	54.00	-14.74	Horizontal
12060	16.58	39.05	10.35	25.15	40.83	54.00	-13.17	Horizontal
14472	---					54.00		Horizontal
16884	---					54.00		Horizontal

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	36.54	31.85	5.40	24.01	49.78	74.00	-24.22	Vertical
7311	30.45	36.37	6.90	26.58	47.14	74.00	-26.86	Vertical
9688	26.79	38.13	8.98	25.34	48.56	74.00	-25.44	Vertical
12185	27.83	38.92	10.38	25.04	52.09	74.00	-21.91	Vertical
14472	---					74.00		Vertical
16884	---					74.00		Vertical
4874	38.37	31.85	5.40	24.01	51.61	74.00	-22.39	Horizontal
7311	31.68	36.37	6.90	26.58	48.37	74.00	-25.63	Horizontal
9688	27.03	38.13	8.98	25.34	48.80	74.00	-25.20	Horizontal
12185	28.08	38.92	10.38	25.04	52.34	74.00	-21.66	Horizontal
14472	---					74.00		Horizontal
16884	---					74.00		Horizontal

Remark

"---" means that the emission level is too low to be measured

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	22.85	31.85	5.40	24.01	36.09	54.00	-17.91	Vertical
7311	20.16	36.37	6.90	26.58	36.85	54.00	-17.15	Vertical
9688	15.61	38.13	8.98	25.34	37.38	54.00	-16.62	Vertical
12185	14.58	38.92	10.38	25.04	38.84	54.00	-15.16	Vertical
14472	---					54.00		Vertical
16884	---					54.00		Vertical
4874	24.59	31.85	5.40	24.01	37.83	54.00	-16.17	Horizontal
7311	21.94	36.37	6.90	26.58	38.63	54.00	-15.37	Horizontal
9688	17.43	38.13	8.98	25.34	39.20	54.00	-14.80	Horizontal
12185	16.44	38.92	10.38	25.04	40.70	54.00	-13.30	Horizontal
14472	---					54.00		Horizontal
16884	---					54.00		Horizontal

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	37.12	31.89	5.46	23.96	50.51	74.00	-23.49	Vertical
7386	33.47	36.49	6.93	26.79	50.10	74.00	-23.90	Vertical
9848	30.84	38.24	9.05	25.30	52.83	74.00	-21.17	Vertical
12310	28.27	38.83	10.41	24.90	52.61	74.00	-21.39	Vertical
14772	---					74.00		Vertical
17234	---					74.00		Vertical
4924	39.54	31.89	5.46	23.96	52.93	74.00	-21.07	Horizontal
7386	33.55	36.49	6.93	26.79	50.18	74.00	-23.82	Horizontal
9848	30.84	38.24	9.05	25.30	52.83	74.00	-21.17	Horizontal
12310	28.21	38.83	10.41	24.90	52.55	74.00	-21.45	Horizontal
14772	---					74.00		Horizontal
17234	---					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	22.22	31.89	5.46	23.96	35.61	54.00	-18.39	Vertical
7386	20.78	36.49	6.93	26.79	37.41	54.00	-16.59	Vertical
9848	17.44	38.24	9.05	25.30	39.43	54.00	-14.57	Vertical
12310	16.10	38.83	10.41	24.90	40.44	54.00	-13.56	Vertical
14772	---					54.00		Vertical
17234	---					54.00		Vertical
4924	23.88	31.89	5.46	23.96	37.27	54.00	-16.73	Horizontal
7386	22.47	36.49	6.93	26.79	39.10	54.00	-14.90	Horizontal
9848	19.16	38.24	9.05	25.30	41.15	54.00	-12.85	Horizontal
12310	17.85	38.83	10.41	24.90	42.19	54.00	-11.81	Horizontal
14772	---					54.00		Horizontal
17234	---					54.00		Horizontal

Remark

"---" means that the emission level is too low to be measured

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	35.40	31.79	5.34	24.07	48.46	74.00	-25.54	Vertical
7236	31.62	36.19	6.88	26.44	48.25	74.00	-25.75	Vertical
9648	30.13	38.07	8.96	25.36	51.80	74.00	-22.20	Vertical
12060	28.79	39.05	10.35	25.15	53.04	74.00	-20.96	Vertical
14472	---					74.00		Vertical
16884	---					74.00		Vertical
4824	36.71	31.79	5.34	24.07	49.77	74.00	-24.23	Horizontal
7236	32.98	36.19	6.88	26.44	49.61	74.00	-24.39	Horizontal
9648	31.54	38.07	8.96	25.36	53.21	74.00	-20.79	Horizontal
12060	30.25	39.05	10.35	25.15	54.50	74.00	-19.50	Horizontal
14472	---					74.00		Horizontal
16884	---					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	24.26	31.79	5.34	24.07	37.32	54.00	-16.68	Vertical
7236	22.82	36.19	6.88	26.44	39.45	54.00	-14.55	Vertical
9648	18.67	38.07	8.96	25.36	40.34	54.00	-13.66	Vertical
12060	16.13	39.05	10.35	25.15	40.38	54.00	-13.62	Vertical
14472	---					54.00		Vertical
16884	---					54.00		Vertical
4824	25.57	31.79	5.34	24.07	38.63	54.00	-15.37	Horizontal
7236	24.18	36.19	6.88	26.44	40.81	54.00	-13.19	Horizontal
9648	20.08	38.07	8.96	25.36	41.75	54.00	-12.25	Horizontal
12060	17.59	39.05	10.35	25.15	41.84	54.00	-12.16	Horizontal
14472	---					54.00		Horizontal
16884	---					54.00		Horizontal

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	35.68	31.85	5.40	24.01	48.92	74.00	-25.08	Vertical
7311	30.06	36.37	6.90	26.58	46.75	74.00	-27.25	Vertical
9688	26.02	38.13	8.98	25.34	47.79	74.00	-26.21	Vertical
12185	26.11	38.92	10.38	25.04	50.37	74.00	-23.63	Vertical
14472	---					74.00		Vertical
16884	---					74.00		Vertical
4874	37.42	31.85	5.40	24.01	50.66	74.00	-23.34	Horizontal
7311	31.84	36.37	6.90	26.58	48.53	74.00	-25.47	Horizontal
9688	27.84	38.13	8.98	25.34	49.61	74.00	-24.39	Horizontal
12185	27.97	38.92	10.38	25.04	52.23	74.00	-21.77	Horizontal
14472	---					74.00		Horizontal
16884	---					74.00		Horizontal

Remark

”---“ means that the emission level is too low to be measured

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	23.15	31.85	5.40	24.01	36.39	54.00	-17.61	Vertical
7311	21.94	36.37	6.90	26.58	38.63	54.00	-15.37	Vertical
9688	17.87	38.13	8.98	25.34	39.64	54.00	-14.36	Vertical
12185	16.09	38.92	10.38	25.04	40.35	54.00	-13.65	Vertical
14472	---					54.00		Vertical
16884	---					54.00		Vertical
4874	24.89	31.85	5.40	24.01	38.13	54.00	-15.87	Horizontal
7311	23.72	36.37	6.90	26.58	40.41	54.00	-13.59	Horizontal
9688	19.69	38.13	8.98	25.34	41.46	54.00	-12.54	Horizontal
12185	17.95	38.92	10.38	25.04	42.21	54.00	-11.79	Horizontal
14472	---					54.00		Horizontal
16884	---					54.00		Horizontal

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	35.25	31.89	5.46	23.96	48.64	74.00	-25.36	Vertical
7386	31.77	36.49	6.93	26.79	48.40	74.00	-25.60	Vertical
9848	29.12	38.24	9.05	25.30	51.11	74.00	-22.89	Vertical
12310	26.61	38.83	10.41	24.90	50.95	74.00	-23.05	Vertical
14772	---					74.00		Vertical
17234	---					74.00		Vertical
4924	36.91	31.89	5.46	23.96	50.30	74.00	-23.70	Horizontal
7386	33.46	36.49	6.93	26.79	50.09	74.00	-23.91	Horizontal
9848	30.84	38.24	9.05	25.30	52.83	74.00	-21.17	Horizontal
12310	28.36	38.83	10.41	24.90	52.70	74.00	-21.30	Horizontal
14772	---					74.00		Horizontal
17234	---					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	23.29	31.89	5.46	23.96	36.68	54.00	-17.32	Vertical
7386	20.89	36.49	6.93	26.79	37.52	54.00	-16.48	Vertical
9848	17.86	38.24	9.05	25.30	39.85	74.00	-34.15	Vertical
12310	16.84	38.83	10.41	24.90	41.18	54.00	-12.82	Vertical
14772	---					54.00		Vertical
17234	---					54.00		Vertical
4924	24.95	31.89	5.46	23.96	38.34	54.00	-15.66	Horizontal
7386	22.58	36.49	6.93	26.79	39.21	54.00	-14.79	Horizontal
9848	19.58	38.24	9.05	25.30	41.57	54.00	-12.43	Horizontal
12310	18.59	38.83	10.41	24.90	42.93	54.00	-11.07	Horizontal
14772	---					54.00		Horizontal
17234	---					54.00		Horizontal

Remark

"---" means that the emission level is too low to be measured