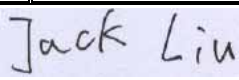
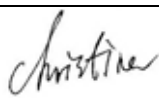


FCC PART 15.247
EMI MEASUREMENT AND TEST REPORT
For

SHENZHEN NEOSTRA TECHNOLOGY CO., LTD
4-5/F, 7 Building, Huaide Cuihai Industrial Park, Fuyong, Baoan District, Shenzhen, China

FCC ID: FCK-NEOSTRA001

March 29, 2012

This Report Concerns: Original Report		Equipment Type: Mobile Internet Devices (MID)	
Test Engineer:	Jack Liu		
Report No.:	BST12020357Y-1ER-3		
Receive EUT Date/Test Date:	March 20, 2012/ March 21-27, 2012		
Reviewed By:	Christina		
Prepared By:		Shenzhen BST Technology Co.,Ltd. 3F, Weames Technology Building, No. 10 Kefa Road, Science Park, Nanshan District, Shenzhen, Guangdong, China Tel: 0755-26747751~3 Fax: 0755-26747751~3 ext.826	

Note: The test report is specially limited to the above company and this particular sample only. It may not be duplicated without prior written consent of Shenzhen BST Technology Co.,Ltd. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the US Government.

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1. GENERAL INFORMATION

1.1. Report information

1.1.1.This report is not a certificate of quality; it only applies to the sample of the specific product/equipment given at the time of its testing. The results are not used to indicate or imply that they are application to the similar items. In addition, such results must not be used to indicate or imply that BST approves recommends or endorses the manufacture, supplier or use of such product/equipment, or that BST in any way guarantees the later performance of the product/equipment.

1.1.2.The sample/s mentioned in this report is/are supplied by Applicant, BST therefore assumes no responsibility for the accuracy of information on the brand name, model number, origin of manufacture or any information supplied.

Additional copies of the report are available to the Applicant at an additional fee. No third part can obtain a copy of this report through BST, unless the applicant has authorized BST in writing to do so.

Test Facility -

The test site used to collect the radiated data is located on the address of

SinTek Laboratory Co.,Ltd.

(FCC Registered Test Site Number: 963441) on

No.7, Xinshidai Industrial, Guantian Village, Shiyan Town, Baoan District, Shenzhen, Guangdong 518108, China

The Test Site is constructed and calibrated to meet the FCC requirements.

1.2. Measurement Uncertainty

Available upon request.

2. PRODUCT DESCRIPTION

2.1. EUT Description

Applicant	:	SHENZHEN NEOSTRA TECHNOLOGY CO., LTD
Address	:	4-5/F, 7 Building, Huaide Cuihai Industrial Park, Fuyong, Baoan District, Shenzhen, China
Manufacturer	:	SHENZHEN NEOSTRA TECHNOLOGY CO., LTD
Address	:	4-5/F, 7 Building, Huaide Cuihai Industrial Park, Fuyong, Baoan District, Shenzhen, China
EUT Description	:	Mobile Internet Devices (MID)
Trade Name	:	neotra
Modulation	:	802.11b: DSSS 802.11g/n: OFDM
Wi-fi Frequency Band	:	IEEE 802.11b/g: 2412-2462MHz IEEE802.11n HT20: 2412-2462MHz IEEE802.11n HT40: 2422-2452MHz
Number of Channels	:	IEEE 802.11b/g: 11 Channels IEEE802.11n HT20: 11 Channels IEEE802.11n HT40: 7 Channels
Model Number	:	N707H6, M702H7, M703H6, M803H6, M803H7, M708H6E, M801H7E, N708H7, M705H6, M715H6, M715H6A, M805H6, M1005H6, M704H6, M507H8, M507H9, M707H8, M707H9, M708H9, M718H9, M718H9A, M705H9, M715H9, M715H9A, M704HG1, M735HG1, M805HG1, M1005HG1, PMID701C, PMID701I, PTAB7201, PTAB7201X, PTAB8000, PTAB8100, PTAB9100, PMID702, B705H8, B715H8, B715H8A, B705H9, B715H9, B715H9A, B801H1, B801H6
Power Supply	:	DC 5.2V (Powered by Adapter) or DC 3.7V (Li-ion battery)
Antenna gain	:	0dBi(2.4GHz)

2.2. Block Diagram of EUT Configuration

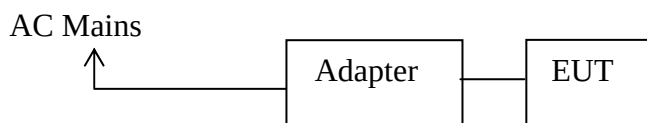


Figure 1 EUT SETUP

2.3. Support Equipment List

Table 2 Ancillary Equipment

Name	Model No	S/N	Manufacturer	Used “√”
Adapter Input: AC 100-240V, 50/60Hz, 0.3A Output: DC 5.2V, 1000mA	TPA-200510C01	--	--	√

2.4. Test Conditions

Temperature: 23~25°C

Relative Humidity: 50~63 %

After the preliminary test, we found to emit the worst emissions and therefore had been tested under operating condition.

IEEE 802.11b:

Channel Low (2412MHz), Channel Mid (2442MHz) and Channel High (2472MHz) with 1Mbps data rate were chosen for full testing.

IEEE 802.11g:

Channel Low (2412MHz), Channel Mid (2442MHz) and Channel High (2472MHz) with 6Mbps data rate were chosen for full testing.

IEEE 802.11n HT20:

Channel Low (2412MHz), Channel Mid (2442MHz) and Channel High (2472MHz) with 6.5Mbps data rate were chosen for full testing.

IEEE 802.11n HT40:

Channel Low (2422MHz), Channel Mid 2442MHz) and Channel High (2462MHz) with 13Mbps data rate were chosen for full testing.

3. FCC ID LABEL

FCC ID: FCK-NEOSTRA001

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 1. This device may not cause harmful interference, and**
- 2. This device must accept any interference received, including interference that may cause undesired operation.**

Label Location on EUT

EUT View/ FCC ID Label Location



4. TEST RESULTS SUMMARY

FCC 15 Subpart C, Paragraph 15.247

FCC RULES	DESCRIPTION OF TEST	RESULT
§15.247 (i) , §1.1307 (b) (1), §2.1093	RF Exposure	PASS
§15.203	Antenna Requirement	PASS
§15.207 (a)	Conducted Emissions	PASS
§15.247(d)	Spurious Emissions at Antenna Port	PASS
§15.205	Restricted Bands	PASS
§15.209, §15.205, §15.247(d)	Spurious Emissions	PASS
§15.247 (a)(2)	6 dB Bandwidth	PASS
§15.247(b)(3)	Maximum Peak Output Power	PASS
§15.247(d)	100kHz Bandwidth of Frequency Band Edge	PASS
§15.247(e)	Power Spectral Density	PASS

Statement: The EUT was setup according to ANSI C63.4-2003 and tested according to DTS test procedure of March 23, 2005 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

Modifications

No modification was made.

5. TEST EQUIPMENT USED

Equipment/Facilities	Manufacturer	Model #	Serial no.	Date of Cal.	Cal. Interval
Cable	Resenberger	N/A	NO.1	Mar 10, 2012	1 Year
Cable	SCHWARZBECK	N/A	NO.2	Mar 10, 2012	1 Year
Cable	SCHWARZBECK	N/A	NO.3	Mar 10, 2012	1 Year
LISN	Rohde & Schwarz	ESH3-Z5	100305	Mar 10, 2012	1 Year
50 Ω Coaxial Switch	ANRITSU CORP	MP59B	6200283933	Mar 10, 2012	1 Year
EMI Test Receiver	Rohde & Schwarz	ESP13	100180	Oct.11,2011	1 Year
Spectrum Analyzer	Rohde & Schwarz	FSP40	100273	Sep.10,2011	1 Year
3m Semi-Anechoic Chamber	Albatross Projects	9m×6m×6m	N/A	Feb.20,2012	1 Year
Signal Generator	FLUKE	PM5418 + Y/C	LO747012	Feb.20,2012	1 Year
Signal Generator	FLUKE	PM5418TX	LO738007	Feb.20,2012	1 Year
Loop Antenna	SCHWARZBECK	FMZB1516	113	Jan.30,2012	1 Year
Trilog-Super Broadband Antenna	SCHWARZBECK	VULB9161	9161-4079	Sep.22,2011	1 Year
Broad-Band Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-564	Sep.22,2011	1 Year
Horn Antenna	Schwarzbeck	BBHA9170	208 279	May 12, 2011	1 Year
Ultra Broadband Antenna	Rohde & Schwarz	HL-562	100110	June.15,2011	1 Year
AMN	Rohde & Schwarz	ESH3-Z5	100196	Oct.11,2011	1 Year
AMN	Rohde & Schwarz	ESH3-Z5	100197	Oct.11,2011	1 Year
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	N/A	N/A	N/A
Power Meter	Rohde & Schwarz	NRVD	100041	Feb.20,2012	1 Year
EMI Test Receiver	Rohde & Schwarz	ESCS30	100003	Feb.20,2012	1 Year
Coaxial Cable with N-connectors	SCHWARZBECK	AK9515H	95549	Sep.22,2011	1 Year
Radio Communication Test Set	Rohde & Schwarz	CMS 54	846621/024	Feb.20,2012	1 Year
Modulation Analyzer	Hewlett-Packard	8901B	2303A00362	Feb.20,2012	1 Year
Absorbing clamp	Rohde & Schwarz	MDS-21	N/A	Oct.11,2011	1 Year

6. §15.247 (I) AND §1.1307 (B) (1), §2.1093 – RF EXPOSURE

6.1. Standard Applicable

According to §15.247 (i) and §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

Limits for General Population/Uncontrolled Exposure

According to FCC Exclusion list, In the following table, f_{GHz} is mid-band frequency in GHz, and d is the distance to a person's body, excluding hands, wrists, feet, and ankles.

Exposure category	<u>low threshold</u>	<u>high threshold</u>
general population	$(60/f_{\text{GHz}})$ mW, $d < 2.5$ cm $(120/f_{\text{GHz}})$ mW, $d \geq 2.5$ cm	$(900/f_{\text{GHz}})$ mW, $d < 20$ cm
occupational	$(375/f_{\text{GHz}})$ mW, $d < 2.5$ cm $(900/f_{\text{GHz}})$ mW, $d \geq 2.5$ cm	$(2250/f_{\text{GHz}})$ mW, $d < 20$ cm

Routine SAR evaluation refers to that specifically required by § 2.1093, using measurements or computer simulation. When routine SAR evaluation is not required, portable transmitters with output power greater than the applicable low threshold require SAR evaluation to qualify for TCB approval.

6.2. Test Result

Measurement Result:

The Max peak output power is 19.63mW<24.6mW.

The SAR measurement is not required.

7. §15.203 - ANTENNA REQUIREMENT

7.1. Standard Applicable

According to § 15.203, 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 shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the user of a standard antenna jack or electrical connector is prohibited. The structure and application of the EUT were analyzed to determine compliance with section §15.203 of the rules. §15.203 state that the subject device must meet the following criteria:

- a. Antenna must be permanently attached to the unit.
- b. Antenna must use a unique type of connector to attach to the EUT.

Unit must be professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit.

And according to FCC 47 CFR section 15.247 (b), if the transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

7.2. Antenna Connector Construction

The antenna used for this product is a short metal soldered wire. The antenna is permanently attached. Refer to the product photo.

8. §15.207 - CONDUCTED EMISSIONS

8.1. Applicable Standard

The specification used was with the FCC Part 15.207 limits.

8.2. Test Procedure

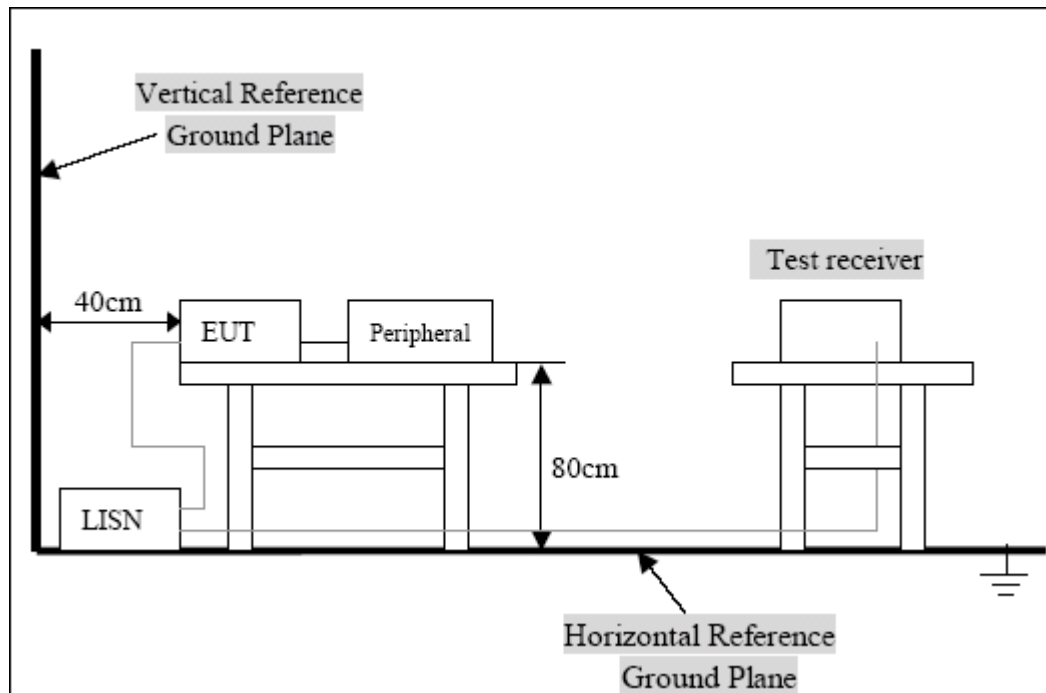
During the conducted emission test, the EUT was connected to the outlet of the LISN. Maximizing procedure was performed on the six (6) highest emissions of the EUT. All data was recorded in the Quasi-peak and average detection mode.

8.3. Conducted Power line Emission Limits

FCC Part 15 Paragraph 15.207 (dBuV)		
Frequency Range (MHz)	Class A QP/AV	Class B QP/AV
0.15-0.5	79/66	65-56/56-46
0.5-5.0	73/60	56-46
5.0-3.0	73/60	60-50

Note: In the above table, the tighter limit applies at the band edges.

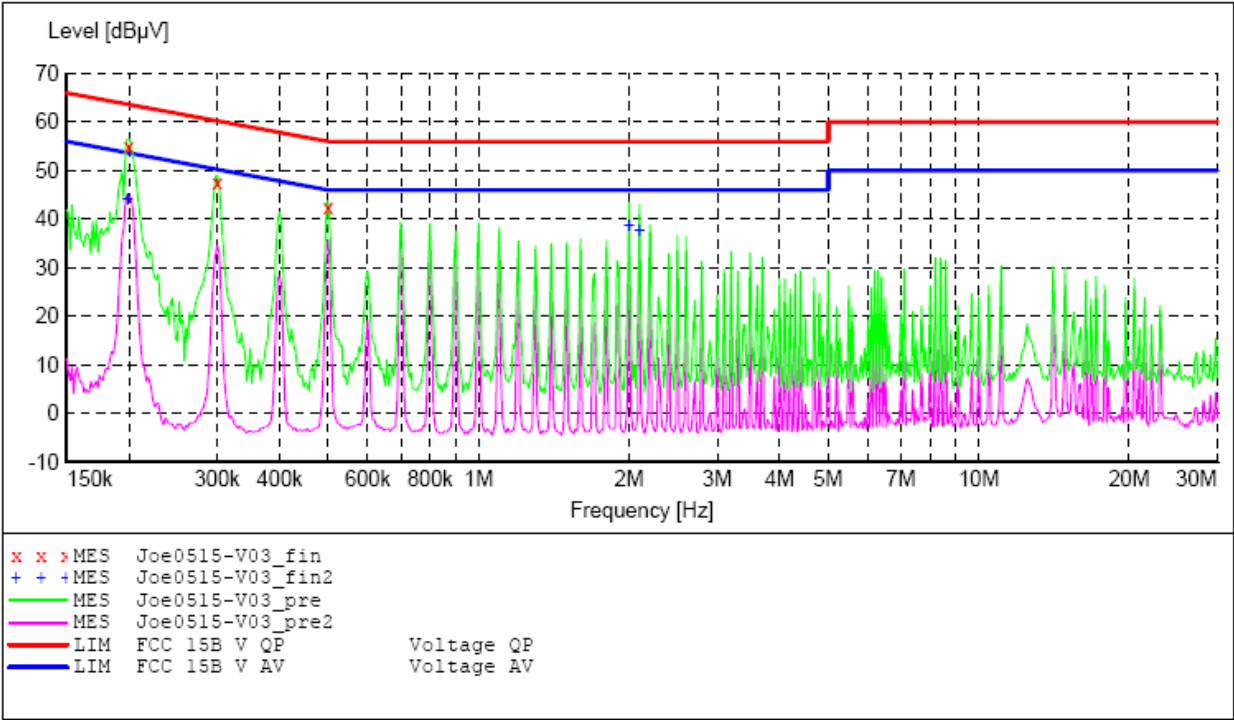
8.4. Block Diagram of Test Setup



8.5. Conducted Power Line Test Result

Pass.

The worst test mode: Wi-Fi TX 2437MHz

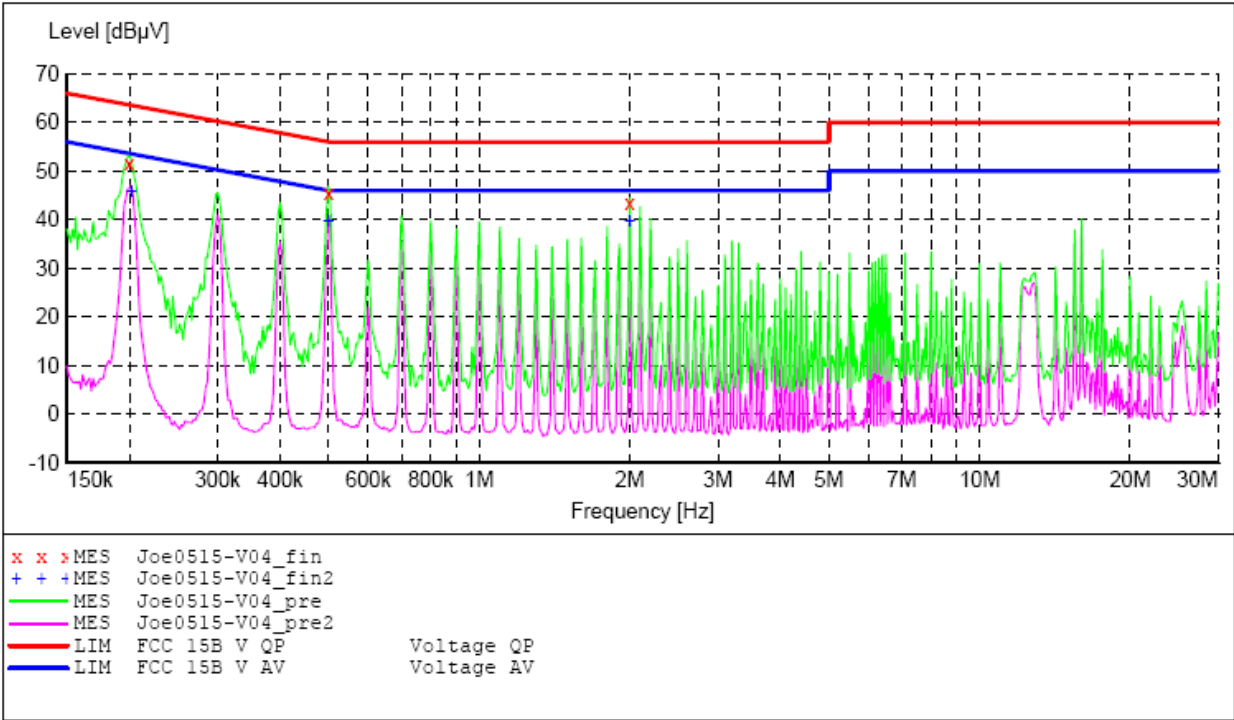


MEASUREMENT RESULT: "Joe0515-V03_fin"

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.199834	54.90	11.2	64	8.7	QP	L1	GND
0.300025	47.60	11.6	60	12.6	QP	L1	GND
0.499611	42.30	12.0	56	13.7	QP	L1	GND

MEASUREMENT RESULT: "Joe0515-V03_fin2"

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.198248	44.10	11.2	54	9.6	AV	L1	GND
1.998776	38.60	11.7	46	7.4	AV	L1	GND
2.096657	37.80	11.6	46	8.2	AV	L1	GND



MEASUREMENT RESULT: "Joe0515-V04_fin"

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.199834	51.60	11.2	64	12.0	QP	N	GND
0.499611	45.60	12.0	56	10.4	QP	N	GND
1.998776	43.40	11.7	56	12.6	QP	N	GND

MEASUREMENT RESULT: "Joe0515-V04_fin2"

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.201433	45.80	11.2	54	7.8	AV	N	GND
0.499611	39.80	12.0	46	6.2	AV	N	GND
1.998776	39.90	11.7	46	6.1	AV	N	GND

9. §15.209, §15.205, §15.247(D) - Spurious Emissions

9.1. Test Equipment

Please refer to section 2 this report.

9.2. Test Procedure

The EUT and its simulators are placed on a turntable, which is 0.8 meter high above ground. The turntable can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on an antenna tower. The antenna can be moved up and down between 1.0 meter and 4 meters to find out the maximum emission level.

Calibrated Loop antenna is used as receiving antenna for frequencies below 30MHz, Calibrated Bilog antenna is used as receiving antenna for frequencies between 30 MHz and 1 GHz, Calibrated Horn antenna is used as receiving antenna for frequencies above 1000MHz. Both horizontal and vertical polarizations of the antenna are set on measurement. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C63.4: 2003 on radiated emission measurement.

The bandwidth of test receiver is set at 9kHz in below 30MHz. and set at 120kHz in 30-1000MHz, and 1MHz in above 1000MHz.

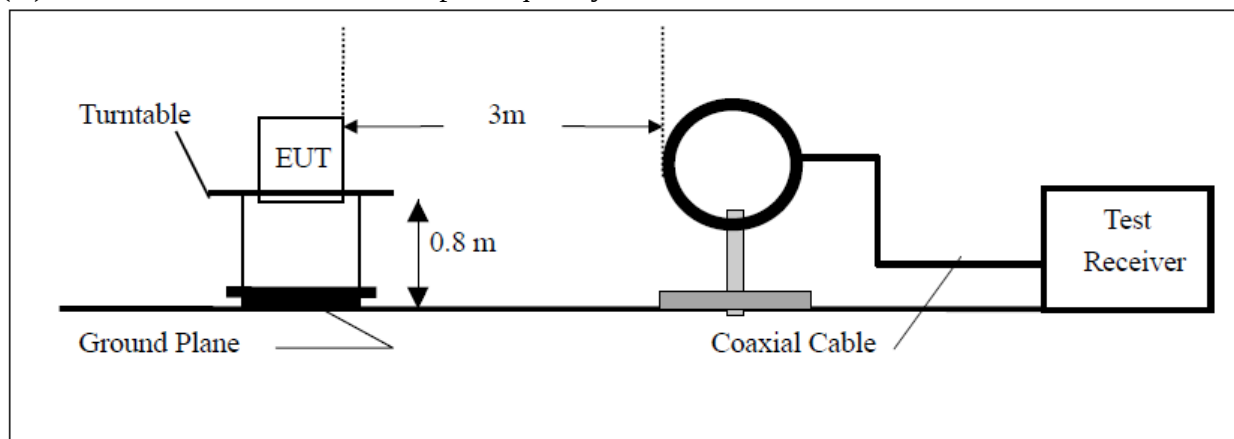
The frequency range from 9kHz to 25GHz is checked.

The final measurement in band 9-90kHz, 110-490kHz and above 1000MHz is performed with Peak detector and Average detector. Except those frequency bands mention above, the final measurement for frequencies below 1000MHz is performed with Quasi Peak detector.

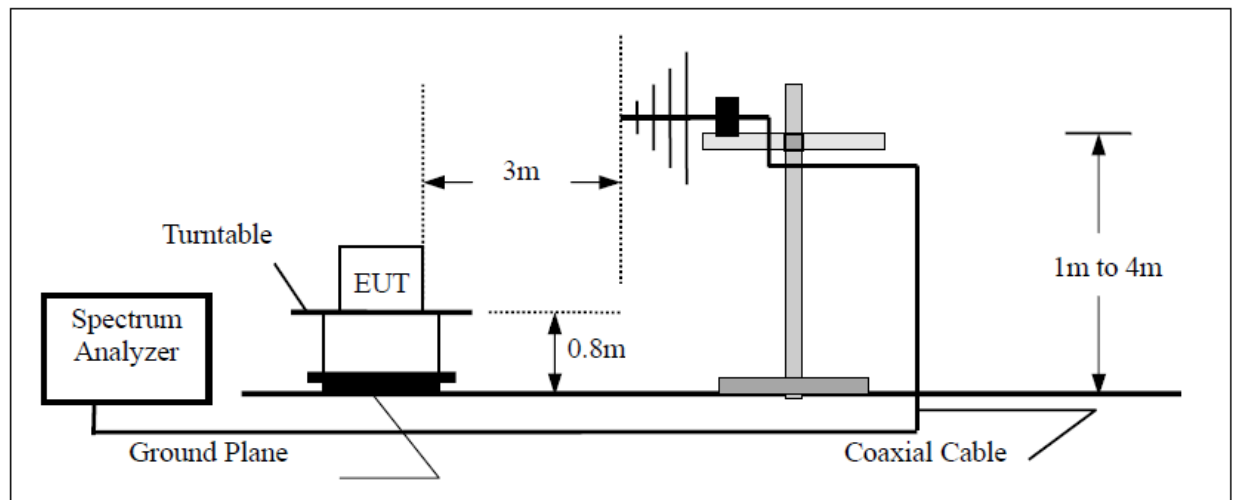
Through three orthogonal axes to determine which attitude and equipment arrangement produces the highest emission relative to the limit.

9.3. Radiated Test Setup

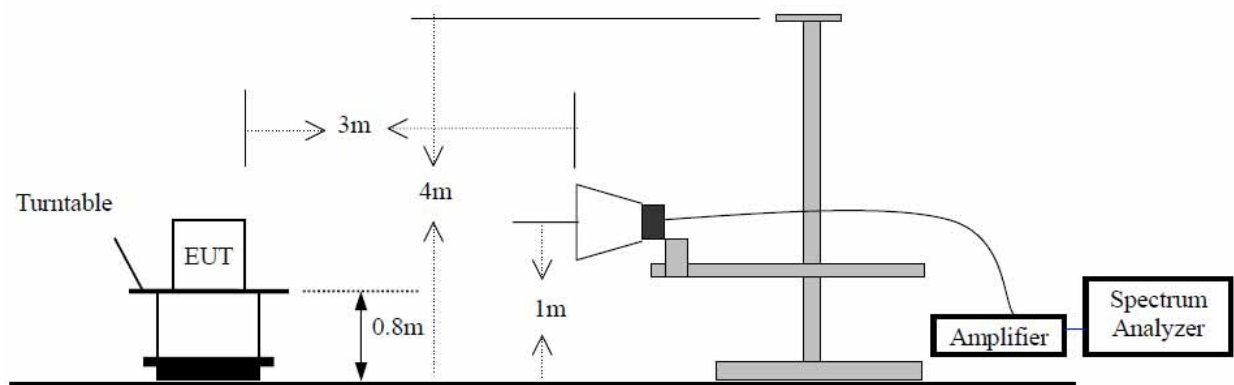
(A) Radiated Emission Test Set-Up, Frequency Below 30MHz



(B) Radiated Emission Test Set-Up, Frequency Below 1000MHz



(C) Radiated Emission Test Set-Up, Frequency above 1000MHz



9.4. Radiated Emission Limit

Frequency (MHz)	Limit			The final measurement in band 9-90kHz, 110-490kHz and above 1000MHz is performed with Average detector. Except those frequency bands mention above, the final measurement for frequencies below 1000MHz is performed with Quasi Peak detector.
	Field Strength of Quasi-peak Value (microvolts/m)	Field Strength of Quasi-peak Value (dB μ V/m)	Measurement distance (m)	
0.009 - 0.490	2400/F(kHz)	/	300	
0.490 - 1.705	24000/F(kHz)	/	30	
1.705-30	30	29.5	30	
30 - 88	100	40	3	
88 - 216	150	43.5	3	
216 - 960	200	46	3	
Above 960	500	54	3	

Note: (1) RF Voltage (dBuV)=20 log Voltage(uV)

(2) In the Above Table,the tighter limit applies at the band edges.

(3) Distagnce refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

9.5. Radiated Emission Test Result**Pass.**

Date of Test:	March 26, 2012	Temperature:	25°C
EUT:	Mobile Internet Devices (MID)	Humidity:	52%
Model No.:	N707H6	Power Supply:	AC 120V/60Hz
Test Mode:	802.11b Channel Low 2412MHz	Test Engineer:	Jack

For below 1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dBμV/m)	Correct Factor (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
-	-	-	-	-	-	Vertical
-	-	-	-	-	-	Horizontal

For 1GHz-25GHz

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m

Horizontal**Peak Detector:**

4824.000	3.261	39.740	43.001	-30.999	74.000
7236.000	10.650	36.530	47.180	-26.820	74.000
9648.000	13.337	36.760	50.096	-23.904	74.000

Average Detector:

--

Vertical**Peak Detector:**

4824.000	6.421	42.210	48.631	-25.369	74.000
7236.000	11.495	36.340	47.835	-26.165	74.000
9648.000	13.807	35.990	49.796	-24.204	74.000

Average Detector:

--

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.

2. Measurement Level = Reading Level + Correct Factor.

3. The average measurement was not performed when the peak measured data under the limit of average detection.

Date of Test:	March 26, 2012	Temperature:	25°C
EUT:	Mobile Internet Devices (MID)	Humidity:	52%
Model No.:	N707H6	Power Supply:	AC 120V/60Hz
Test Mode:	802.11b Channel Middle 2437MHz	Test Engineer:	Jack

For below 1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dBμV/m)	Correct Factor (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
-	-	-	-	-	-	Vertical
-	-	-	-	-	-	Horizontal

For 1GHz-25GHz

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m

Horizontal**Peak Detector:**

4874.000	3.038	39.940	42.977	-31.023	74.000
7311.000	11.795	35.620	47.414	-26.586	74.000
9748.000	12.635	36.900	49.535	-24.465	74.000

Average Detector:

--

Vertical**Peak Detector:**

4874.000	5.812	42.280	48.091	-25.909	74.000
7311.000	12.630	35.490	48.119	-25.881	74.000
9748.000	13.126	37.560	50.686	-23.314	74.000

Average Detector:

--

- Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.
 2. Measurement Level = Reading Level + Correct Factor.
 3. The average measurement was not performed when the peak measured data under the limit of average detection.

Date of Test:	March 26, 2012	Temperature:	25°C
EUT:	Mobile Internet Devices (MID)	Humidity:	52%
Model No.:	N707H6	Power Supply:	AC 120V/60Hz
Test Mode:	802.11b Channel High 2462MHz	Test Engineer:	Jack

For below 1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dBμV/m)	Correct Factor (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
-	-	-	-	-	-	Vertical
-	-	-	-	-	-	Horizontal

For 1GHz-25GHz

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m

Horizontal**Peak Detector:**

4924.000	2.858	40.320	43.177	-30.823	74.000
7386.000	12.127	35.420	47.548	-26.452	74.000
9848.000	12.852	37.640	50.493	-23.507	74.000

Average Detector:

--

Vertical**Peak Detector:**

4924.000	5.521	42.550	48.070	-25.930	74.000
7386.000	13.254	35.170	48.424	-25.576	74.000
9848.000	13.367	36.630	49.997	-24.003	74.000

Average Detector:

--

- Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.
 2. Measurement Level = Reading Level + Correct Factor.
 3. The average measurement was not performed when the peak measured data under the limit of average detection.

Date of Test:	March 26, 2012	Temperature:	25°C
EUT:	Mobile Internet Devices (MID)	Humidity:	52%
Model No.:	N707H6	Power Supply:	AC 120V/60Hz
Test Mode:	802.11g Channel Low 2412MHz	Test Engineer:	Jack

For below 1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dBμV/m)	Correct Factor (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
-	-	-	-	-	-	Vertical
-	-	-	-	-	-	Horizontal

For 1GHz-25GHz

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m

Horizontal**Peak Detector:**

4824.000	3.261	37.710	40.971	-33.029	74.000
7236.000	10.650	36.050	46.700	-27.300	74.000
9648.000	13.337	36.030	49.366	-24.634	74.000

Average Detector:

--

Vertical**Peak Detector:**

4824.000	6.421	37.770	44.191	-29.809	74.000
7236.000	11.495	36.090	47.585	-26.415	74.000
9648.000	13.807	36.070	49.876	-24.124	74.000

Average Detector:

--

- Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.
 2. Measurement Level = Reading Level + Correct Factor.
 3. The average measurement was not performed when the peak measured data under the limit of average detection.

Date of Test:	March 26, 2012	Temperature:	25°C
EUT:	Mobile Internet Devices (MID)	Humidity:	52%
Model No.:	N707H6	Power Supply:	AC 120V/60Hz
Test Mode:	802.11g Channel Middle 2437MHz	Test Engineer:	Jack

For below 1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dBμV/m)	Correct Factor (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
-	-	-	-	-	-	Vertical
-	-	-	-	-	-	Horizontal

For 1GHz-25GHz

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m

Horizontal**Peak Detector:**

4874.000	3.038	37.370	40.407	-33.593	74.000
7311.000	11.795	35.920	47.714	-26.286	74.000
9748.000	12.635	36.600	49.235	-24.765	74.000

Average Detector:

--

Peak Detector:

4874.000	5.812	37.610	43.421	-30.579	74.000
7311.000	12.630	35.480	48.109	-25.891	74.000
9748.000	13.126	36.090	49.216	-24.784	74.000

Average Detector:

--

- Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.
 2. Measurement Level = Reading Level + Correct Factor.
 3. The average measurement was not performed when the peak measured data under the limit of average detection.

Date of Test:	March 26, 2012	Temperature:	25°C
EUT:	Mobile Internet Devices (MID)	Humidity:	52%
Model No.:	N707H6	Power Supply:	AC 120V/60Hz
Test Mode:	802.11g Channel High 2462MHz	Test Engineer:	Jack

For below 1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dBμV/m)	Correct Factor (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
-	-	-	-	-	-	Vertical
-	-	-	-	-	-	Horizontal

For 1GHz-25GHz

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m

Horizontal**Peak Detector:**

4924.000	2.858	36.990	39.847	-34.153	74.000
7386.000	12.127	34.900	47.028	-26.972	74.000
9848.000	12.852	36.650	49.503	-24.497	74.000

Average Detector:

--

Vertical**Peak Detector:**

4924.000	5.521	39.600	45.120	-28.880	74.000
7386.000	13.254	35.150	48.404	-25.596	74.000
9848.000	13.367	36.310	49.677	-24.323	74.000

Average Detector:

--

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.

2. Measurement Level = Reading Level + Correct Factor.

3. The average measurement was not performed when the peak measured data under the limit of average detection.

Date of Test:	March 26, 2012	Temperature:	25°C
EUT:	Mobile Internet Devices (MID)	Humidity:	52%
Model No.:	N707H6	Power Supply:	AC 120V/60Hz
Test Mode:	802.11n HT20 Channel Low 2412MHz	Test Engineer:	Jack

For below 1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dBμV/m)	Correct Factor (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
-	-	-	-	-	-	Vertical
-	-	-	-	-	-	Horizontal

For 1GHz-25GHz

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m

Horizontal**Peak Detector:**

4824.000	3.261	37.630	40.891	-33.109	74.000
7236.000	10.650	35.850	46.500	-27.500	74.000
9648.000	13.337	36.130	49.466	-24.534	74.000

Average Detector:

--

Vertical**Peak Detector:**

4824.000	6.421	38.370	44.791	-29.209	74.000
7236.000	11.495	36.240	47.735	-26.265	74.000
9648.000	13.807	36.450	50.256	-23.744	74.000

Average Detector:

--

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.
 2. Measurement Level = Reading Level + Correct Factor.
 3. The average measurement was not performed when the peak measured data under the limit of average detection.

Date of Test:	March 26, 2012	Temperature:	25°C
EUT:	Mobile Internet Devices (MID)	Humidity:	52%
Model No.:	N707H6	Power Supply:	AC 120V/60Hz
Test Mode:	802.11n HT20 Channel Middle 2437MHz	Test Engineer:	Jack

For below 1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dBμV/m)	Correct Factor (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
-	-	-	-	-	-	Vertical
-	-	-	-	-	-	Horizontal

For 1GHz-25GHz

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m

Horizontal**Peak Detector:**

4874.000	3.038	37.090	40.127	-33.873	74.000
7311.000	11.795	35.250	47.044	-26.956	74.000
9748.000	12.635	36.680	49.315	-24.685	74.000

Average Detector:

--

Vertical**Peak Detector:**

4874.000	5.812	37.000	42.811	-31.189	74.000
7311.000	12.630	35.330	47.959	-26.041	74.000
9748.000	13.126	36.410	49.536	-24.464	74.000

Average Detector:

--

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.

2. Measurement Level = Reading Level + Correct Factor.

3. The average measurement was not performed when the peak measured data under the limit of average detection.

Date of Test:	March 26, 2012	Temperature:	25°C
EUT:	Mobile Internet Devices (MID)	Humidity:	52%
Model No.:	N707H6	Power Supply:	AC 120V/60Hz
Test Mode:	802.11n HT20 Channel High 2462MHz	Test Engineer:	Jack

For below 1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dBμV/m)	Correct Factor (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
-	-	-	-	-	-	Vertical
-	-	-	-	-	-	Horizontal

For 1GHz-25GHz

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m

Horizontal**Peak Detector:**

4924.000	2.858	37.580	40.437	-33.563	74.000
7386.000	12.127	35.090	47.218	-26.782	74.000
9848.000	12.852	36.940	49.793	-24.207	74.000

Average Detector:

--

Vertical**Peak Detector:**

4924.000	5.521	38.920	44.440	-29.560	74.000
7386.000	13.254	34.890	48.144	-25.856	74.000
9848.000	13.367	36.100	49.467	-24.533	74.000

Average Detector:

--

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.

2. Measurement Level = Reading Level + Correct Factor.

3. The average measurement was not performed when the peak measured data under the limit of average detection.

Date of Test:	March 26, 2012	Temperature:	25°C
EUT:	Mobile Internet Devices (MID)	Humidity:	52%
Model No.:	N707H6	Power Supply:	AC 120V/60Hz
Test Mode:	802.11n HT40 Channel Low 2422MHz	Test Engineer:	Jack

For below 1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dBμV/m)	Correct Factor (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
-	-	-	-	-	-	Vertical
-	-	-	-	-	-	Horizontal

For 1GHz-25GHz

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m

Horizontal**Peak Detector:**

4844.000	3.171	39.340	42.511	-31.489	74.000
7266.000	11.162	36.170	47.332	-26.668	74.000
9688.000	12.964	36.910	49.875	-24.125	74.000

Average Detector:

--

Vertical**Peak Detector:**

4844.000	6.178	39.790	45.968	-28.032	74.000
7266.000	11.982	36.360	48.342	-25.658	74.000
9688.000	13.507	37.800	51.308	-22.692	74.000

Average Detector:

--

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.

2. Measurement Level = Reading Level + Correct Factor.

3. The average measurement was not performed when the peak measured data under the limit of average detection.

Date of Test:	March 26, 2012	Temperature:	25°C
EUT:	Mobile Internet Devices (MID)	Humidity:	52%
Model No.:	N707H6	Power Supply:	AC 120V/60Hz
Test Mode:	802.11n HT40 Channel Middle 2437MHz	Test Engineer:	Jack

For below 1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dBμV/m)	Correct Factor (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
-	-	-	-	-	-	Vertical
-	-	-	-	-	-	Horizontal

For 1GHz-25GHz

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m

Horizontal**Peak Detector:**

4874.000	3.038	39.950	42.987	-31.013	74.000
7311.000	11.795	35.850	47.644	-26.356	74.000
9748.000	12.635	37.230	49.865	-24.135	74.000

Average Detector:

--

Vertical**Peak Detector:**

4874.000	5.812	39.850	45.661	-28.339	74.000
7311.000	12.630	36.170	48.799	-25.201	74.000
9748.000	13.126	36.860	49.986	-24.014	74.000

Average Detector:

--

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.

2. Measurement Level = Reading Level + Correct Factor.

3. The average measurement was not performed when the peak measured data under the limit of average detection.

Date of Test:	March 26, 2012	Temperature:	25°C
EUT:	Mobile Internet Devices (MID)	Humidity:	52%
Model No.:	N707H6	Power Supply:	AC 120V/60Hz
Test Mode:	802.11n HT40 Channel High 2452MHz	Test Engineer:	Jack

For below 1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dBμV/m)	Correct Factor (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
-	-	-	-	-	-	Vertical
-	-	-	-	-	-	Horizontal

For 1GHz-25GHz

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m

Horizontal**Peak Detector:**

4904.000	2.914	40.500	43.415	-30.585	74.000
7356.000	11.995	35.140	47.134	-26.866	74.000
9808.000	12.475	36.950	49.425	-24.575	74.000

Average Detector:

--

Vertical**Peak Detector:**

4904.000	5.530	41.660	47.191	-26.809	74.000
7356.000	13.005	35.860	48.864	-25.136	74.000
9808.000	12.901	36.730	49.631	-24.369	74.000

Average Detector:

--

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.

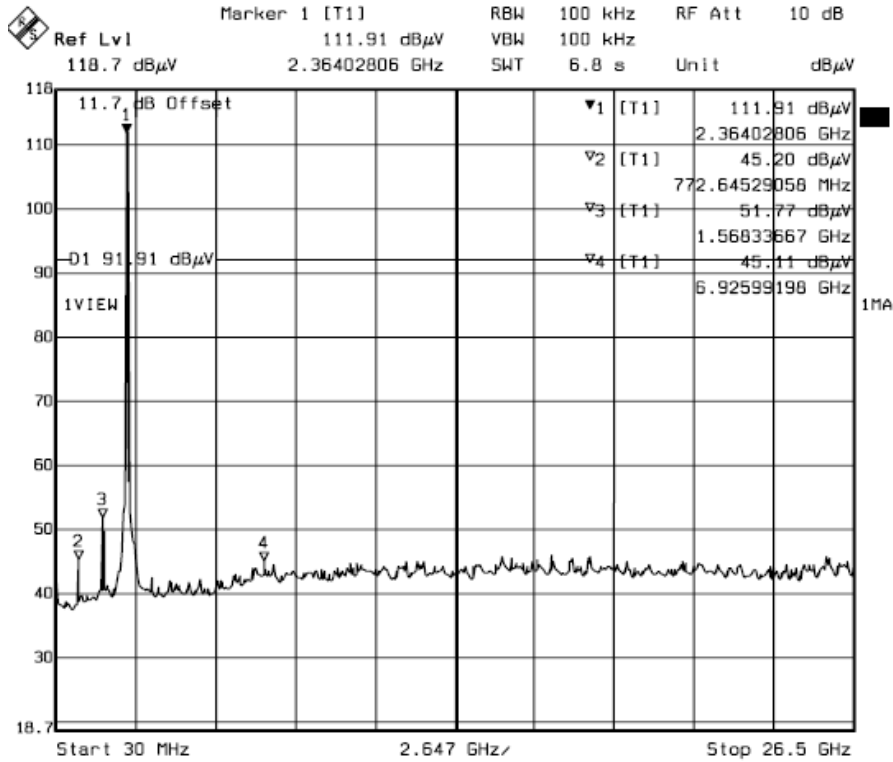
2. Measurement Level = Reading Level + Correct Factor.

3. The average measurement was not performed when the peak measured data under the limit of average detection.

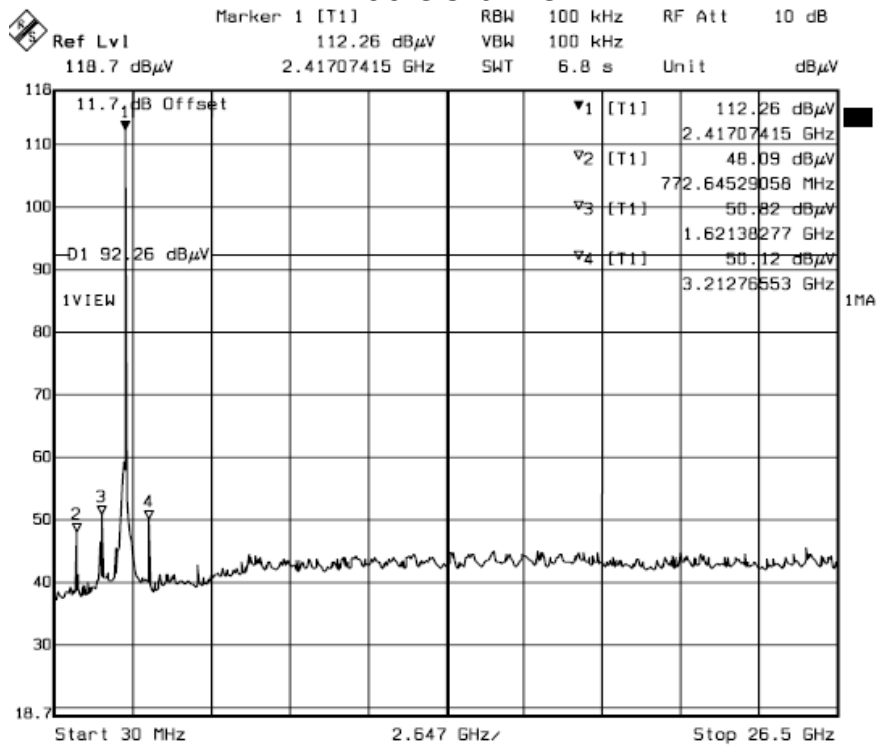
Antenna port conducted spurious emissions

802.11b mode:

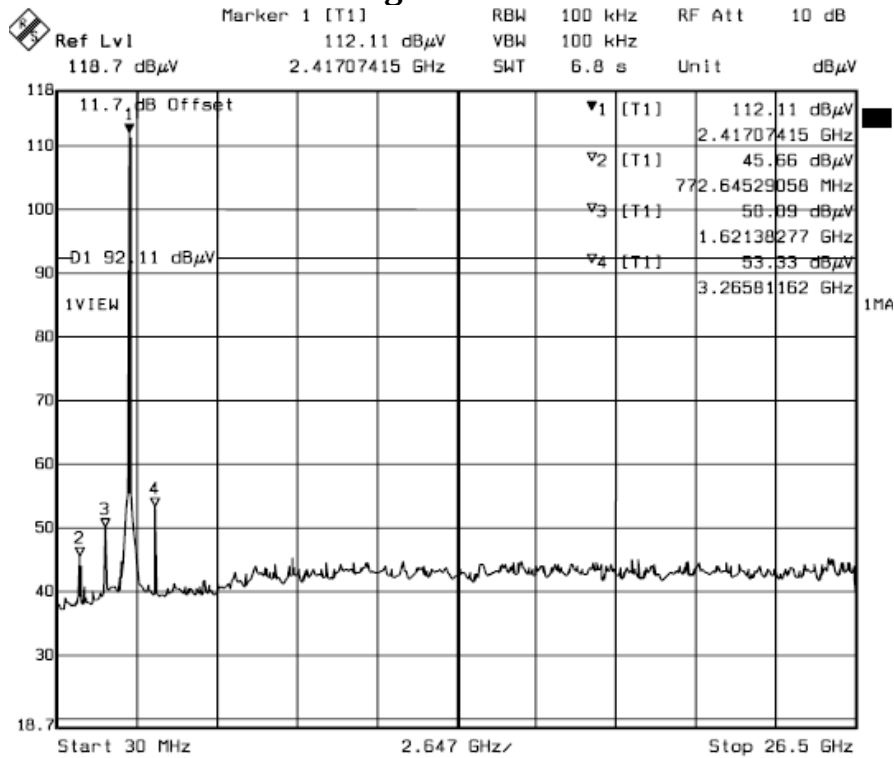
Low channel



Middle channel

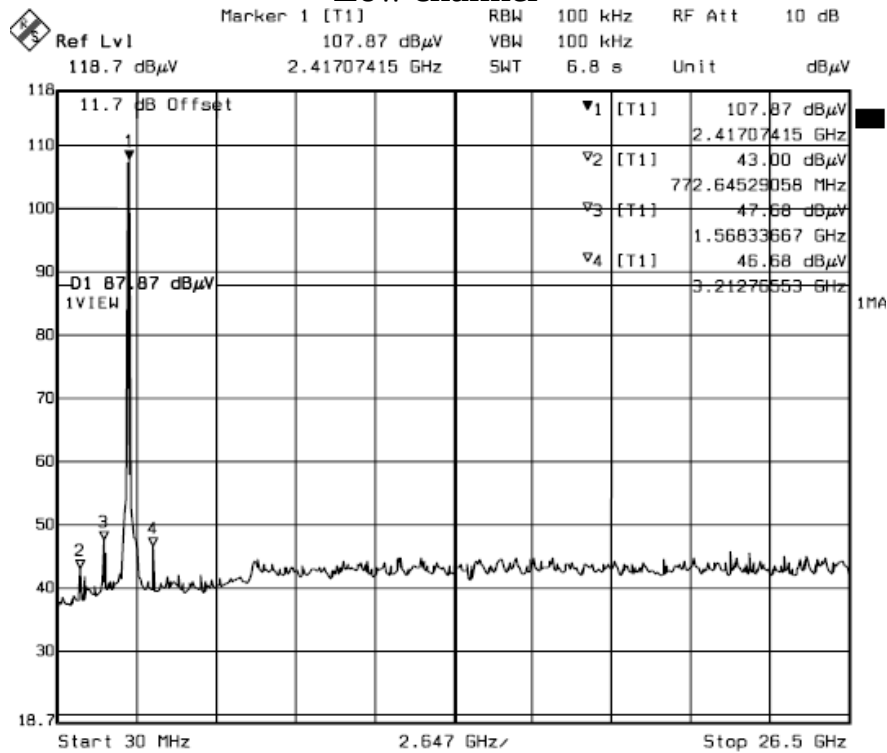


High channel

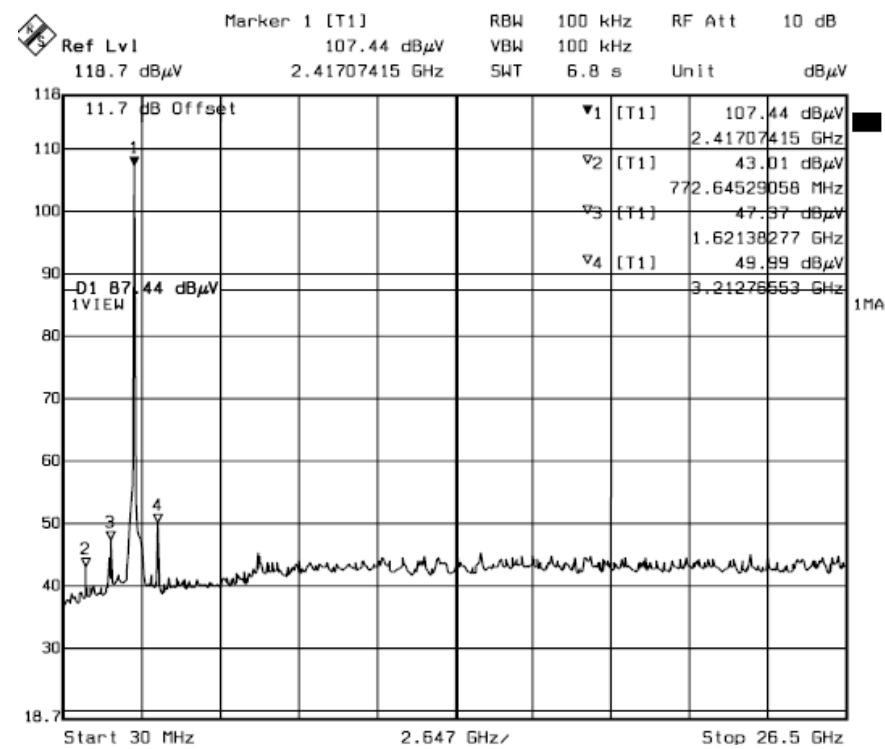


802.11g mode:

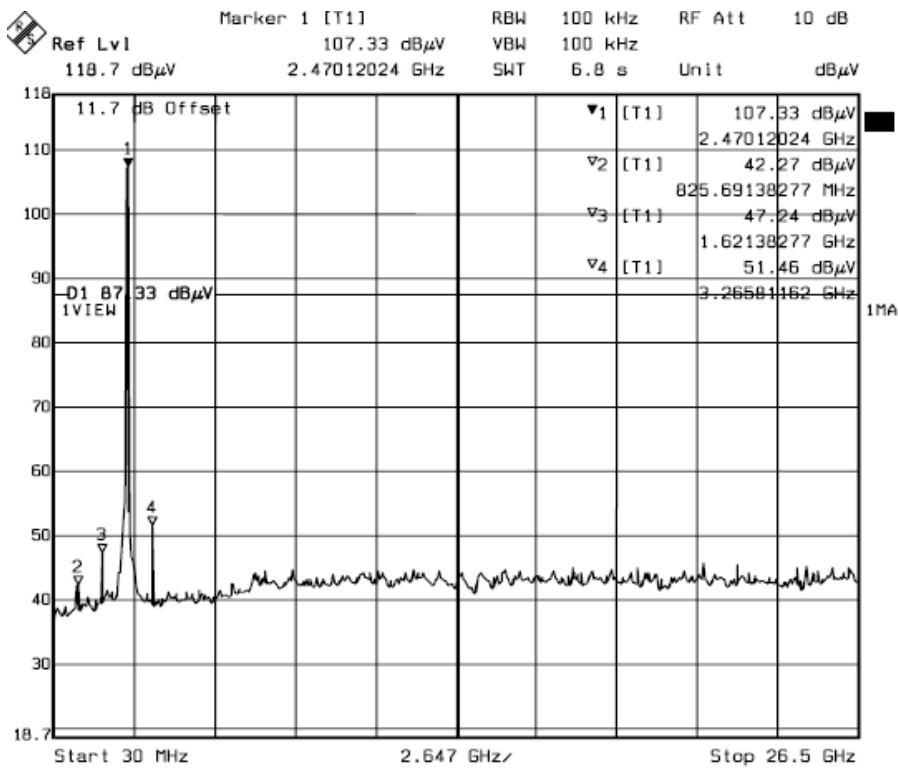
Low channel



Middle channel

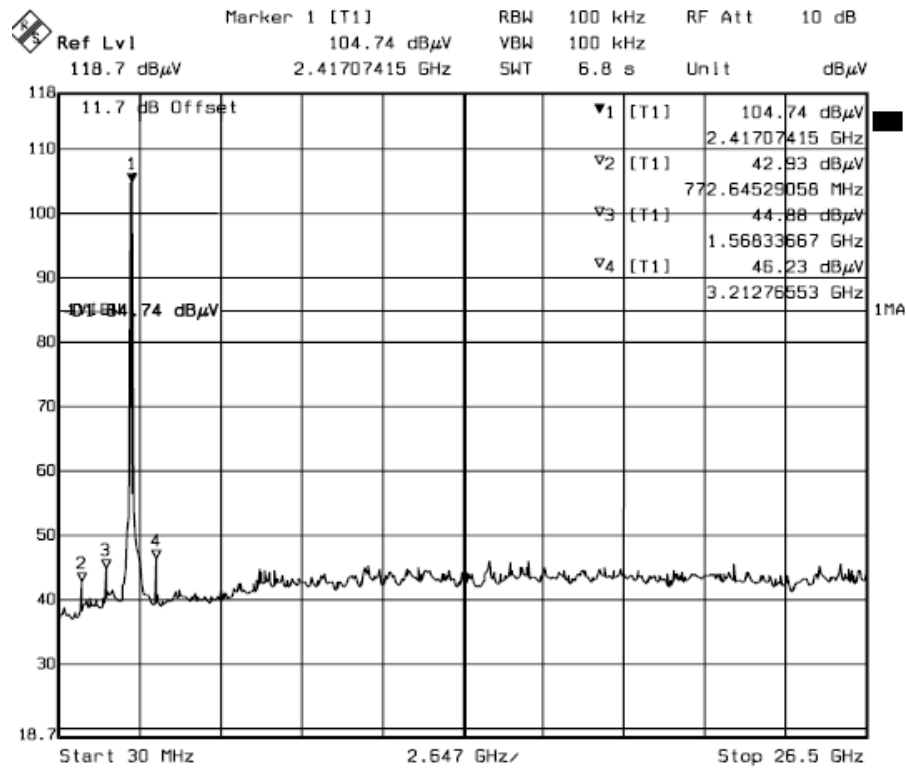


High channel

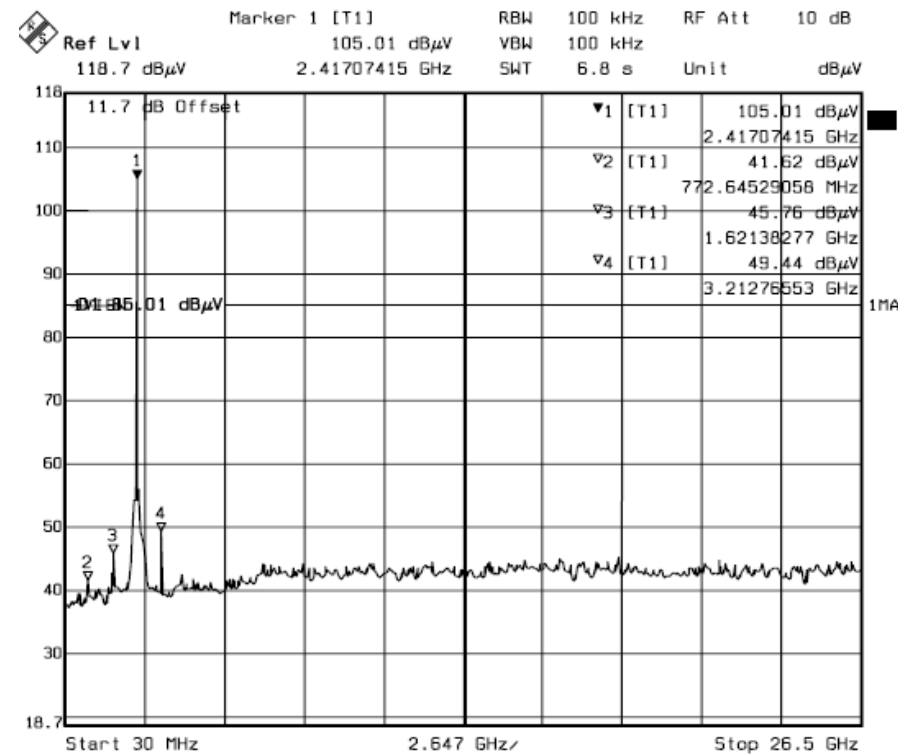


802.11n (20M) mode:

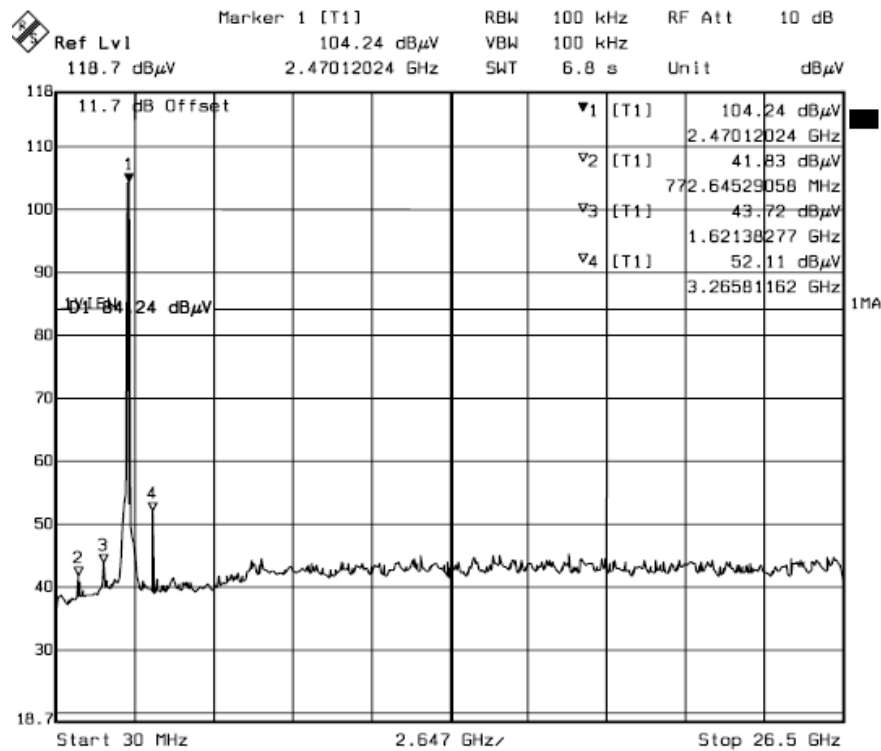
Low channel



Middle channel

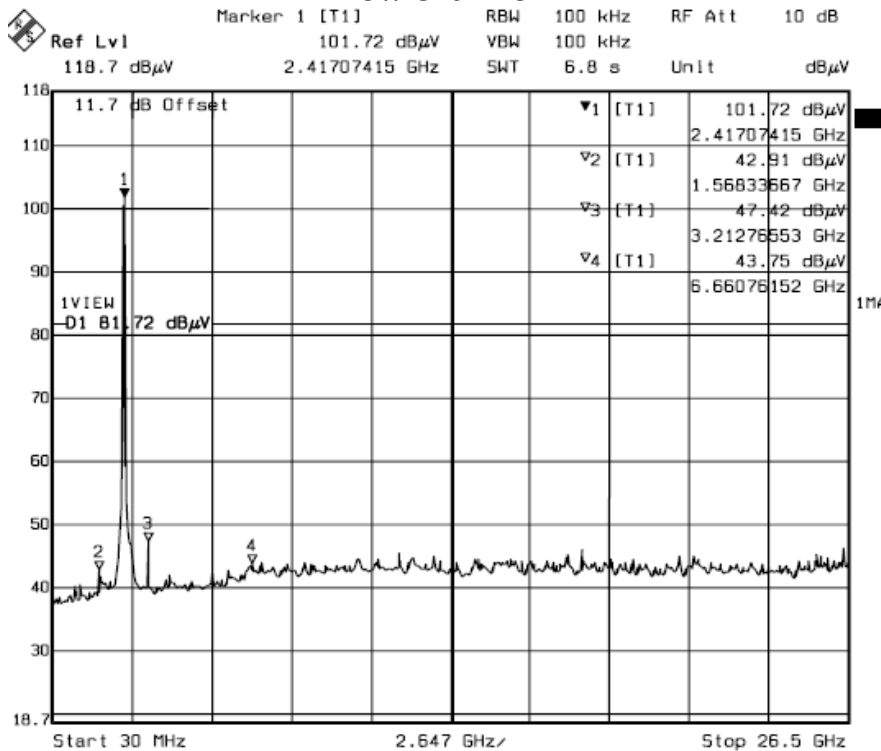


High channel

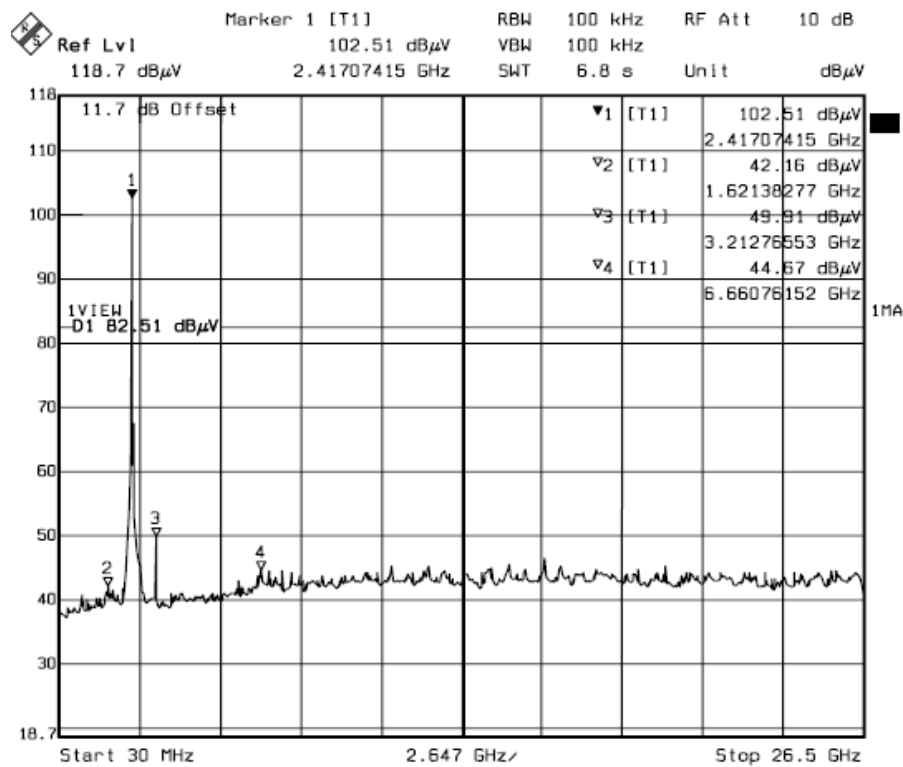


802.11n (40M) mode:

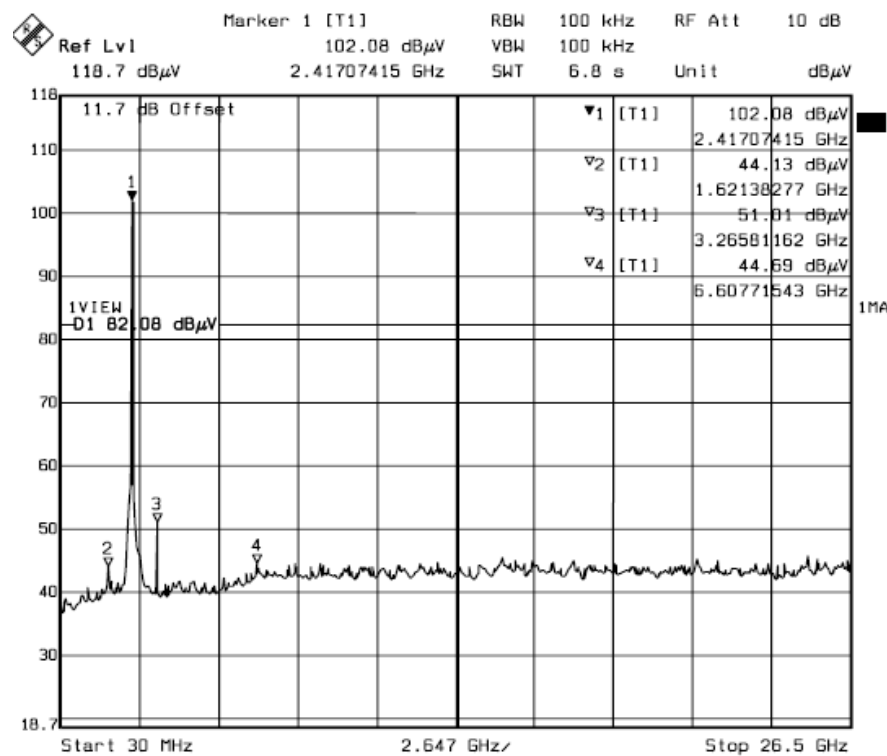
Low channel



Middle channel



High channel



10. §15.247(A) (2) – 6DB BANDWIDTH TESTING

10.1. Test Equipment

Please refer to Section 4 this report.

10.2. Test Procedure

1. Set EUT in the transmitting mode.
2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
3. Set the spectrum analyzer as RBW=100KHz, VBW $\geq$ RBW, Span=50MHz, Sweep=auto.
4. Mark the peak frequency and -6dB(upper and lower)frequency.
5. Repeat until all the rest channels are investigated.

10.3. Applicable Standard

Systems using digital modulation techniques may operate in the 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.

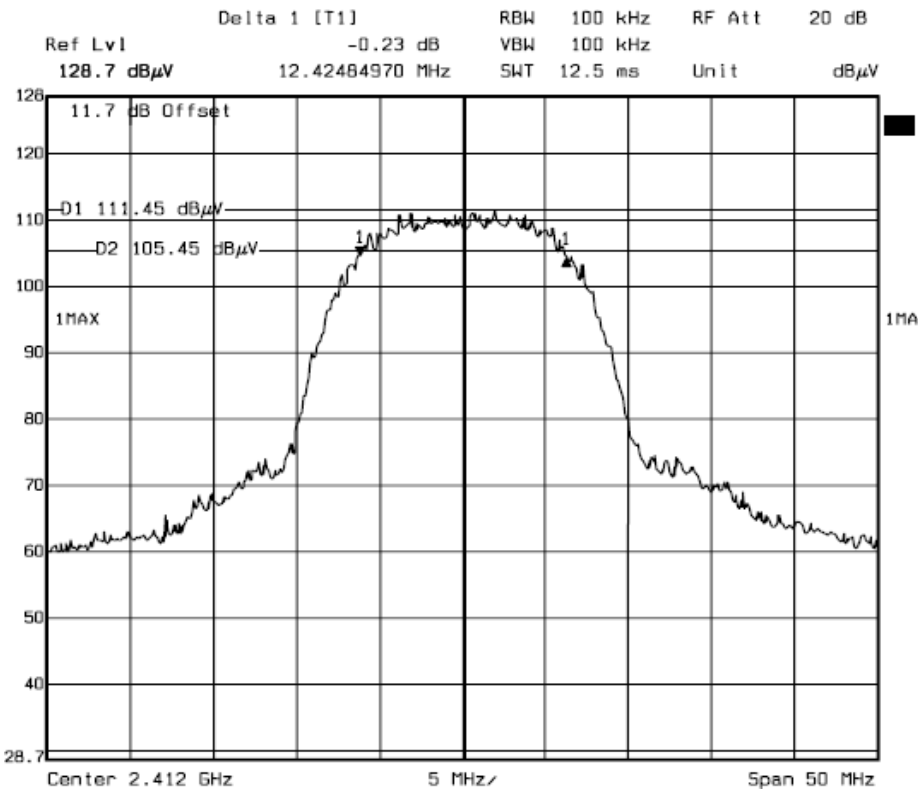
10.4. Test Result: Pass.

Please refer to the following tables

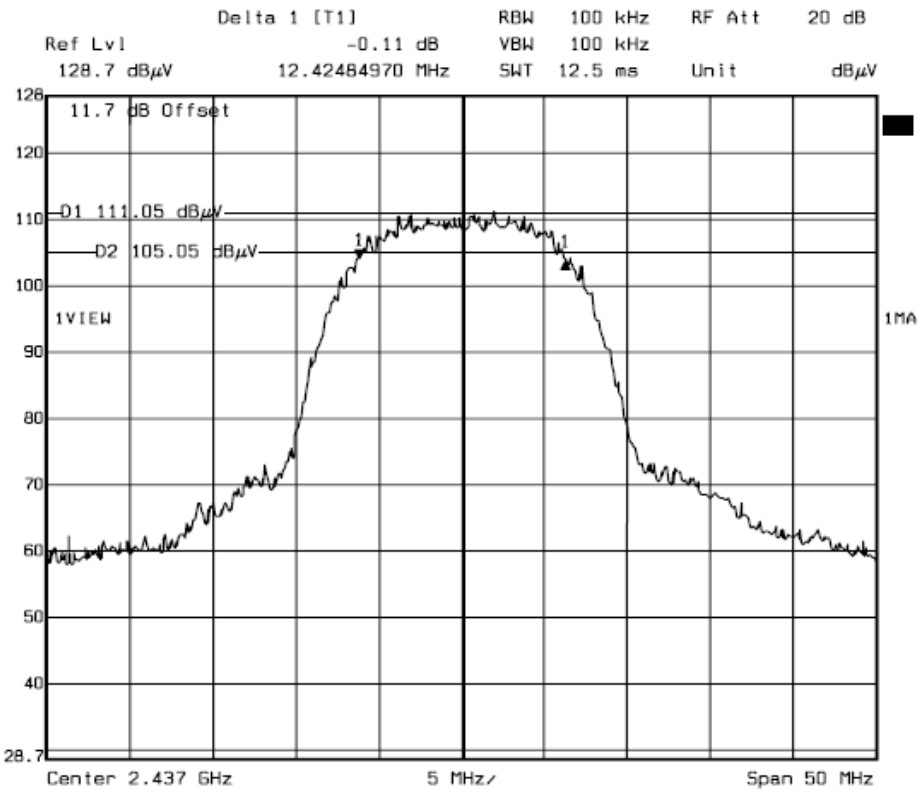
Channel Frequency (MHz)	Data Rate (Mbps)	6dB Bandwidth (kHz)	Limit (kHz)	Result
802.11b Mode				
2412	1	12424	>500	Pass
2437	1	12424	>500	Pass
2462	1	12424	>500	Pass
802.11g Mode				
2412	6	16833	>500	Pass
2437	6	16833	>500	Pass
2462	6	16833	>500	Pass
802.11n (20M) Mode				
2412	6.5	18036	>500	Pass
2437	6.5	18036	>500	Pass
2462	6.5	18036	>500	Pass
802.11n (40M) Mode				
2412	13	36673	>500	Pass
2437	13	36673	>500	Pass
2462	13	36673	>500	Pass

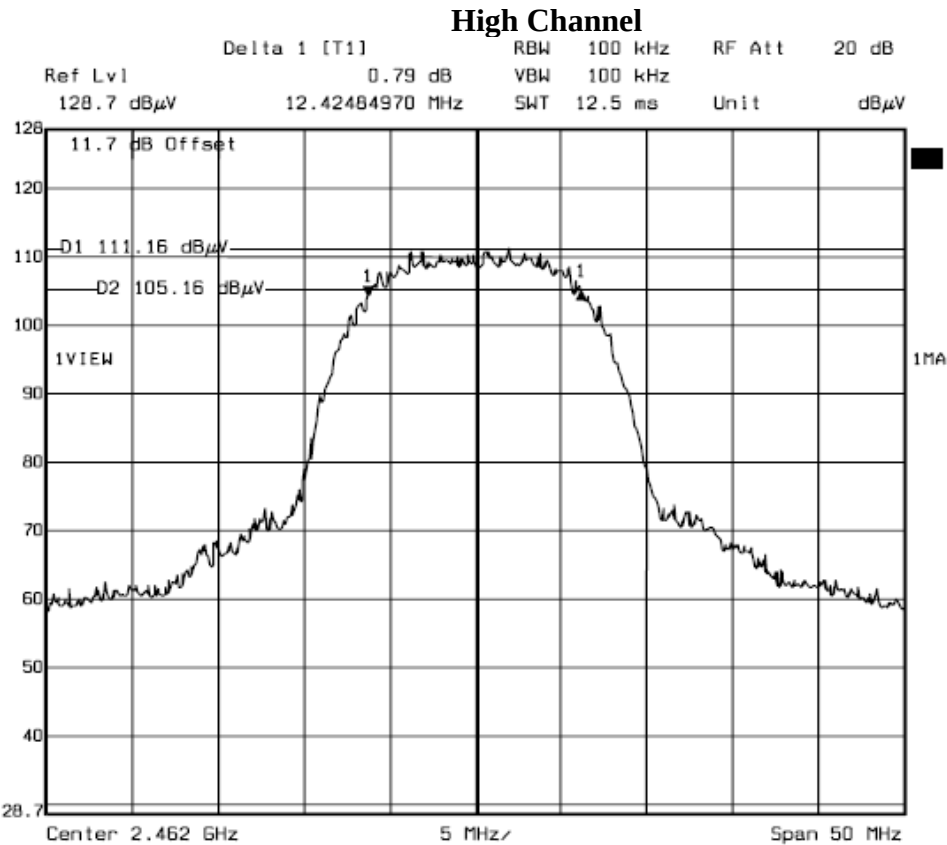
802.11b Mode:

Low Channel

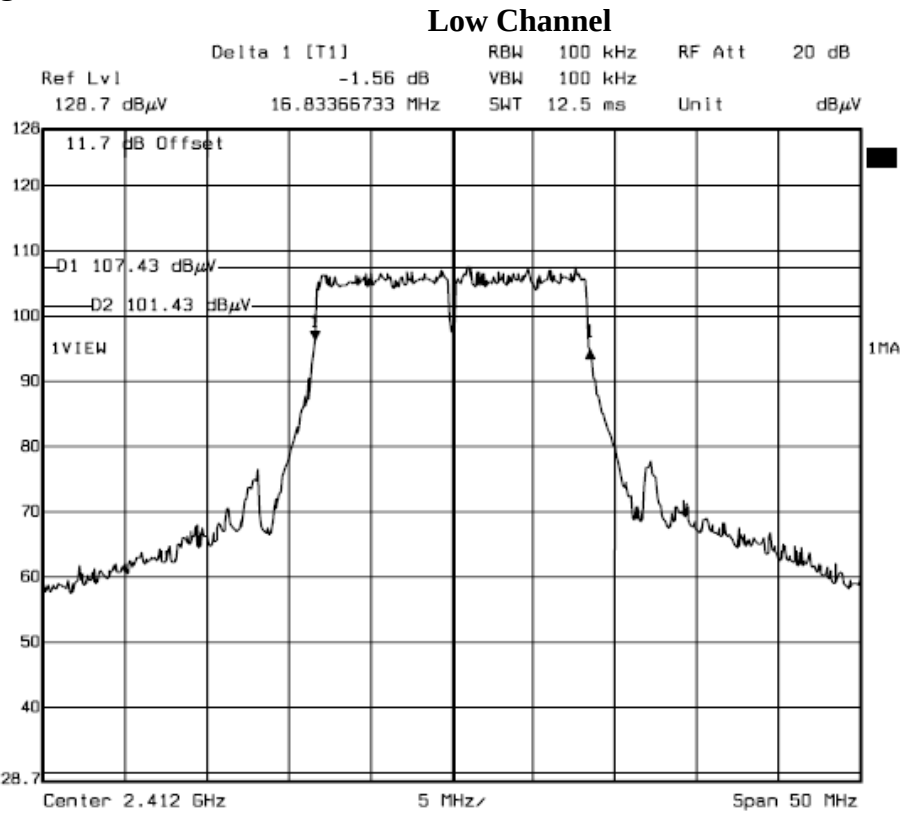


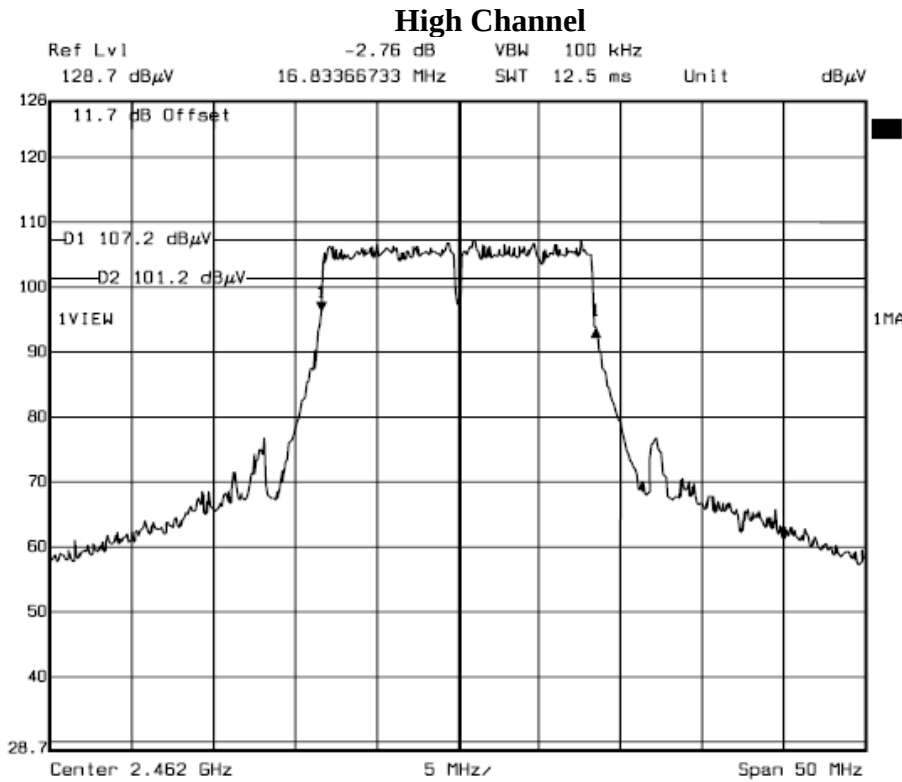
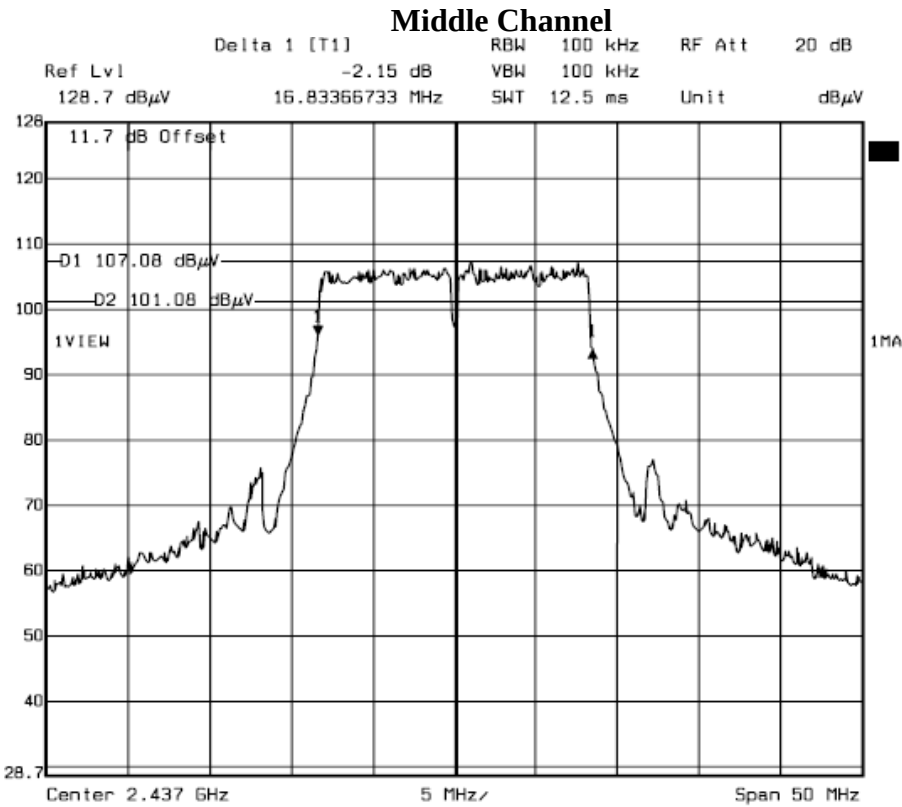
Middle Channel



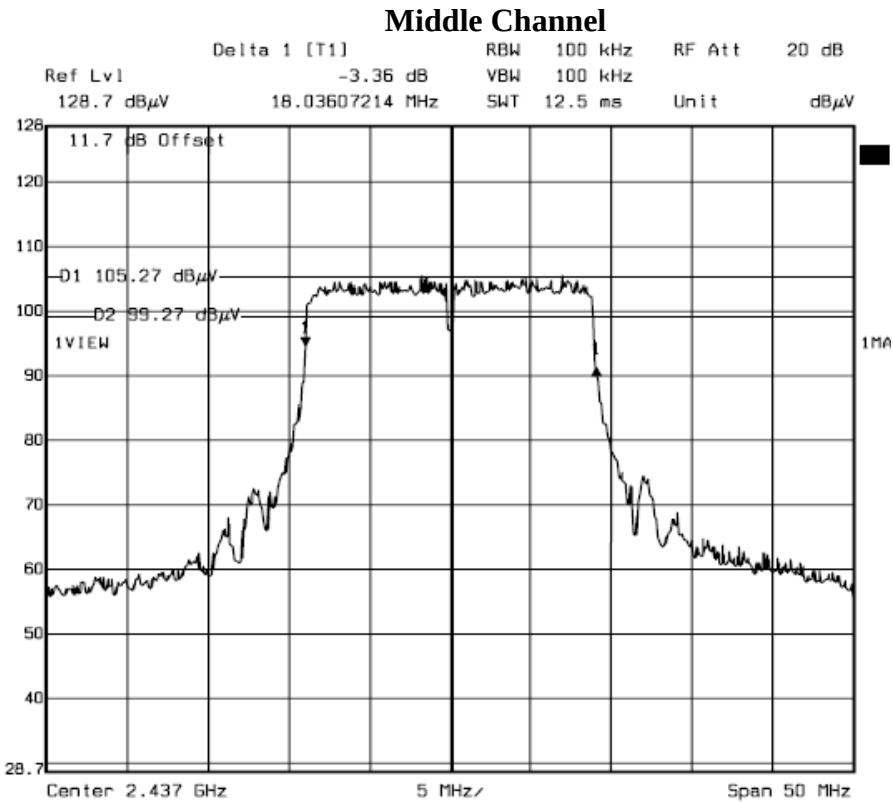
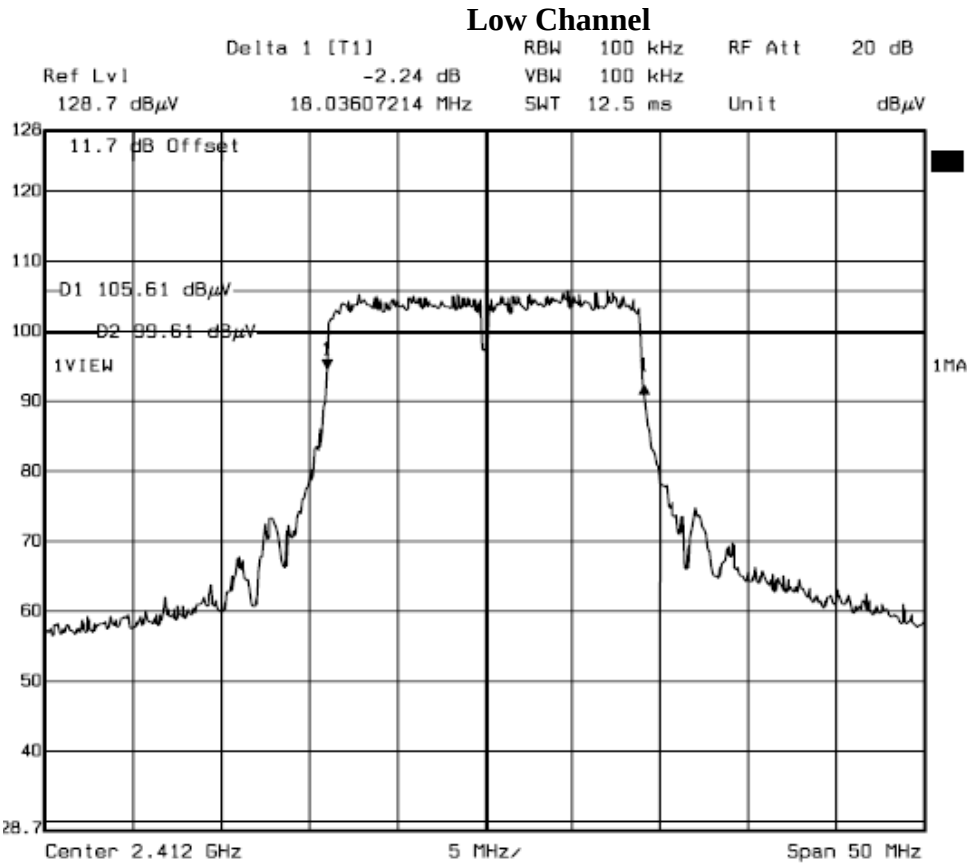


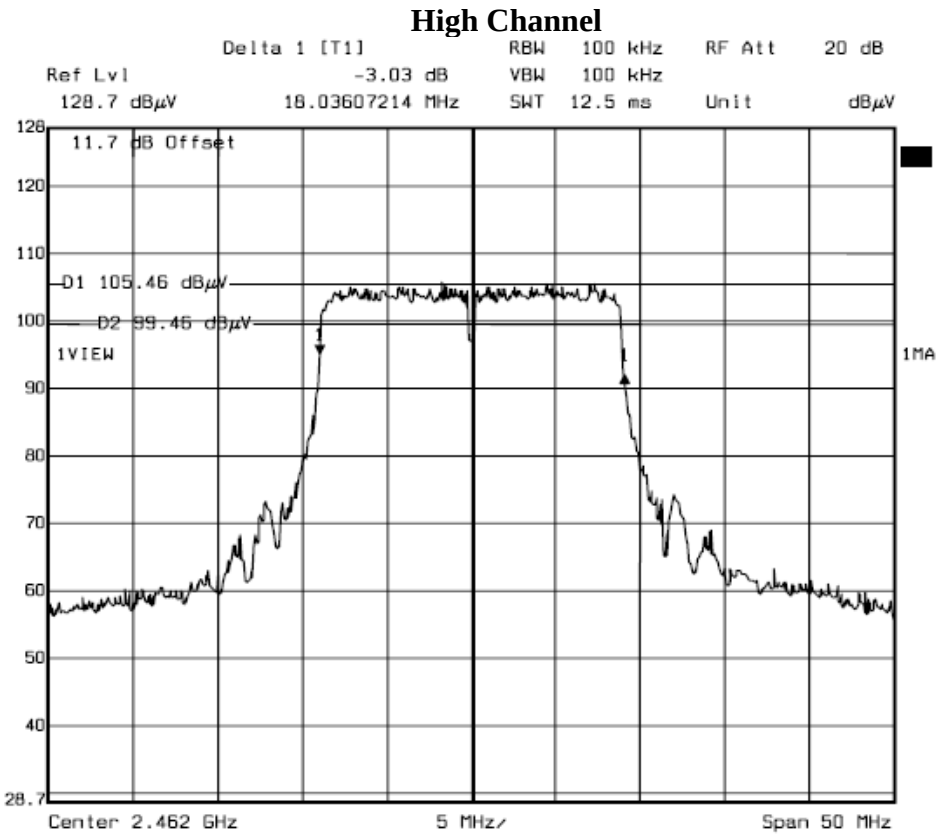
802.11g Mode:



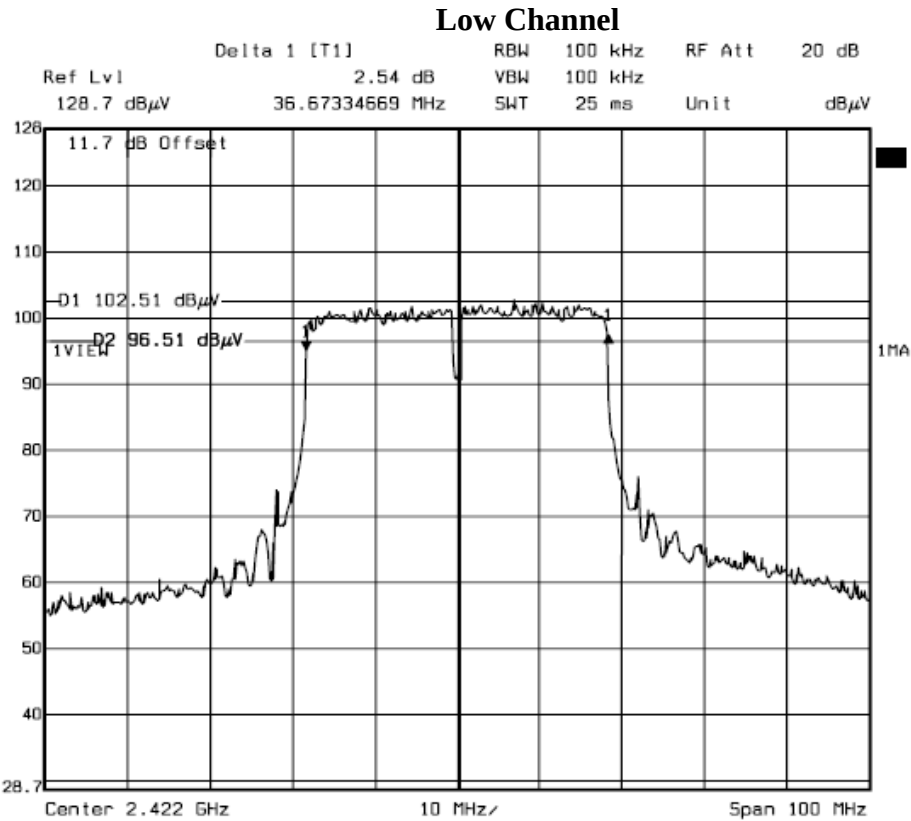


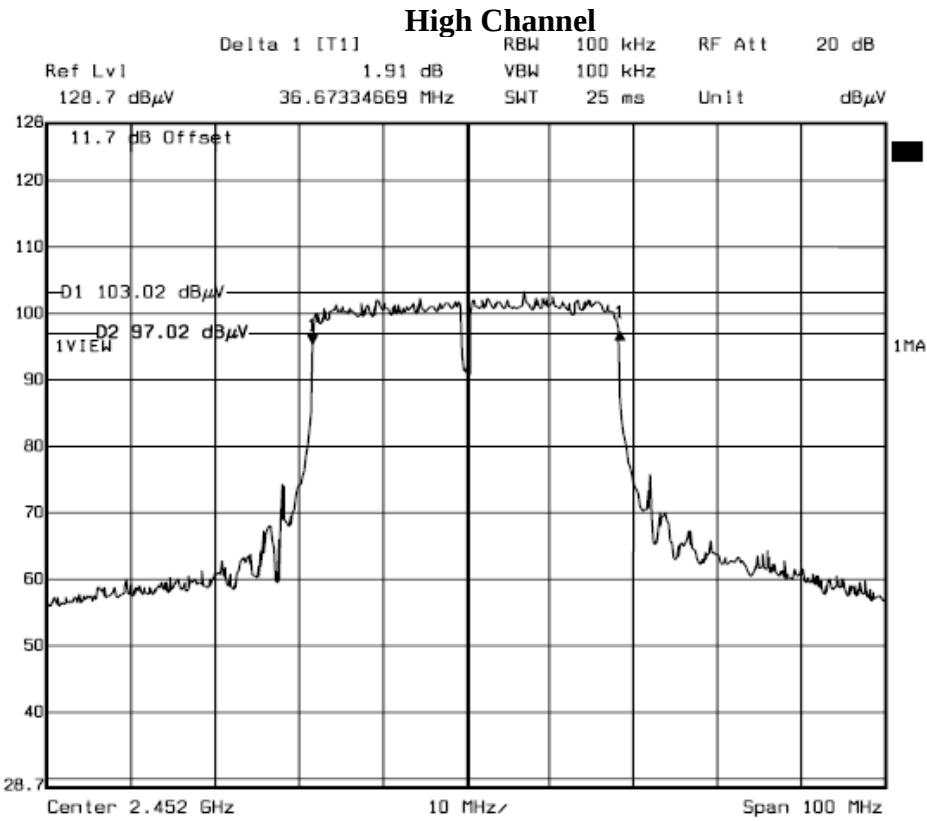
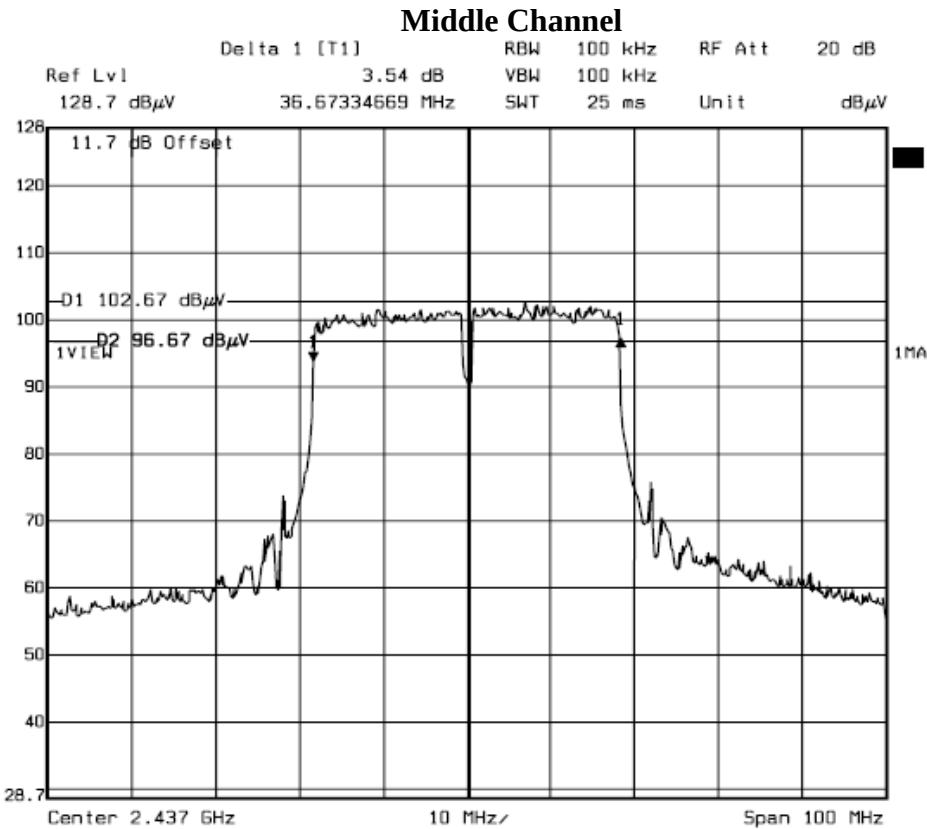
802.11n (20M) Mode:





802.11n (40M) Mode:





11. §15.247(B) (3) - Maximum Peak Output Power

11.1. Test Equipment

Please refer to Section 4 this report.

11.2. Test Procedure

1. Set span to encompass the entire emission bandwidth (EBW) of the signal.
2. Set RBW = 1 MHz.
3. Set VBW $\geq$ 3 MHz.
4. Use sample detector mode if bin width (i.e., span/number of points in spectrum display) $<$ 0.5 RBW. Otherwise use peak detector mode.
5. Use a video trigger with the trigger level set to enable triggering only on full power pulses. Transmitter must operate at full control power for entire sweep of every sweep. If the device transmits continuously, with no off intervals or reduced power intervals, the trigger may be set to “free run”.
6. Trace average 100 traces in power averaging mode.
7. Compute power by integrating the spectrum across the 26 dB EBW of the signal. The integration can be performed using the spectrum analyzer’s band power measurement function with band limits set equal to the EBW band edges or by summing power levels in each 1 MHz band in linear power terms. The 1 MHz band power levels to be summed can be obtained by averaging, in linear power terms, power levels in each frequency bin across the 1 MHz.

11.3. Applicable Standard

According to §15.247(b) (3), for systems using digital modulation in the 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode.

11.4. Test Result**Pass****802.11b Mode:**

Channel	Frequency (MHz)	Data Rate (Mbps)	Conducted Power (dBm)	Limit (dBm)
Low	2412	1	11.25	30
Mid	2437	1	11.06	30
High	2462	1	11.37	30

802.11g Mode:

Channel	Frequency (MHz)	Data Rate (Mbps)	Conducted Power (dBm)	Limit (dBm)
Low	2412	6	12.85	30
Mid	2437	6	12.67	30
High	2462	6	12.93	30

802.11n (20M) Mode:

Channel	Frequency (MHz)	Data Rate (Mbps)	Conducted Power (dBm)	Limit (dBm)
Low	2412	6.5	12.25	30
Mid	2437	6.5	12.08	30
High	2462	6.5	12.17	30

802.11n (40M) Mode:

Channel	Frequency (MHz)	Data Rate (Mbps)	Conducted Power (dBm)	Limit (dBm)
Low	2422	13.5	12.36	30
Mid	2437	13.5	12.22	30
High	2452	13.5	12.29	30

12. §15.247(D) – 100 KHZ Bandwidth of Frequency Band Edge

12.1.Test Equipment

Please refer to Section 4 this report.

12.2.Test Procedure

- 1, Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
- 2, Position the EUT without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range, and make sure the instrument is operated in its linear range.
- 3, Set RBW to 100 kHz and VBW of spectrum analyzer to 300 kHz with a convenient frequency span including 100 kHz bandwidth from band edge.
Note: For Rdstricted Band
RBW=1MHz
VBW=1 MHz
- 4, Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.
- 5, Repeat above procedures until all measured frequencies were complete.

12.3.Applicable Standard

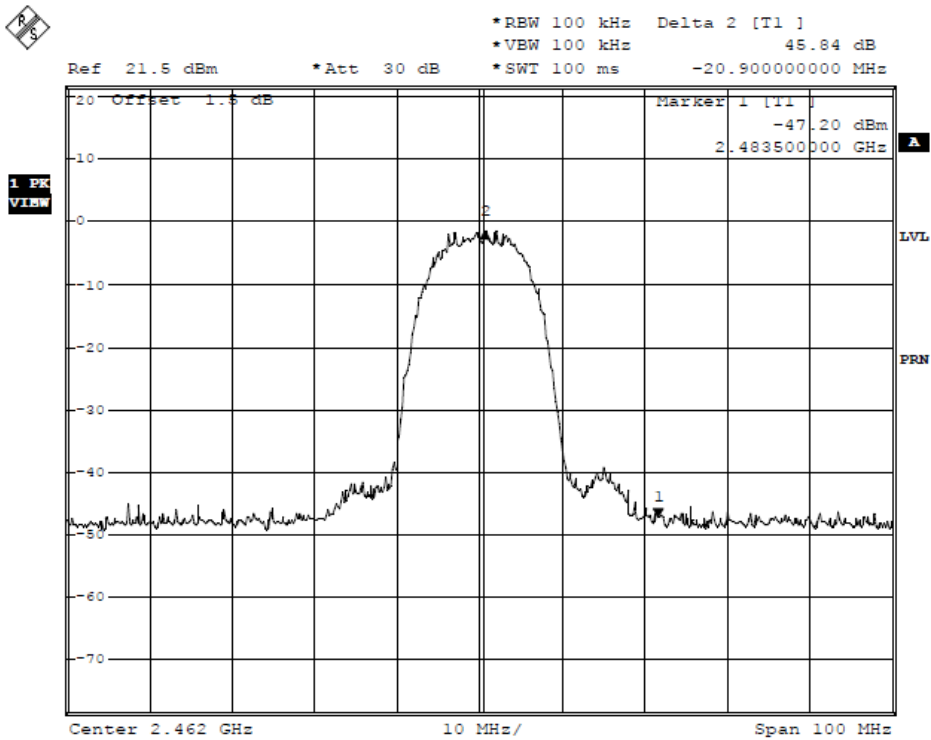
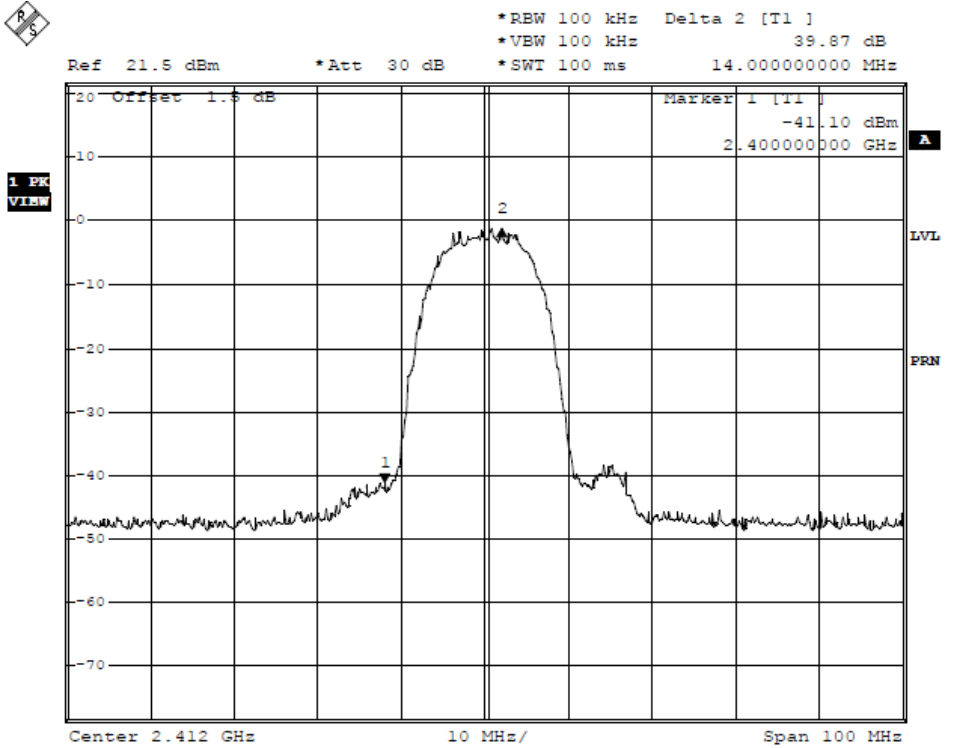
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

12.4.Test Result

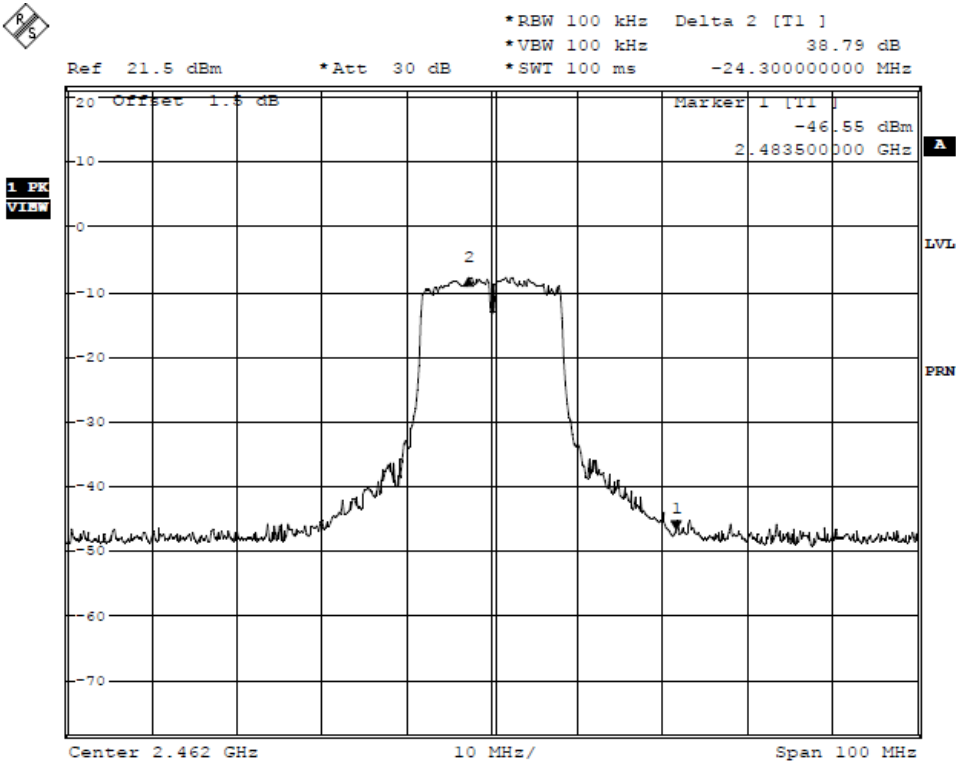
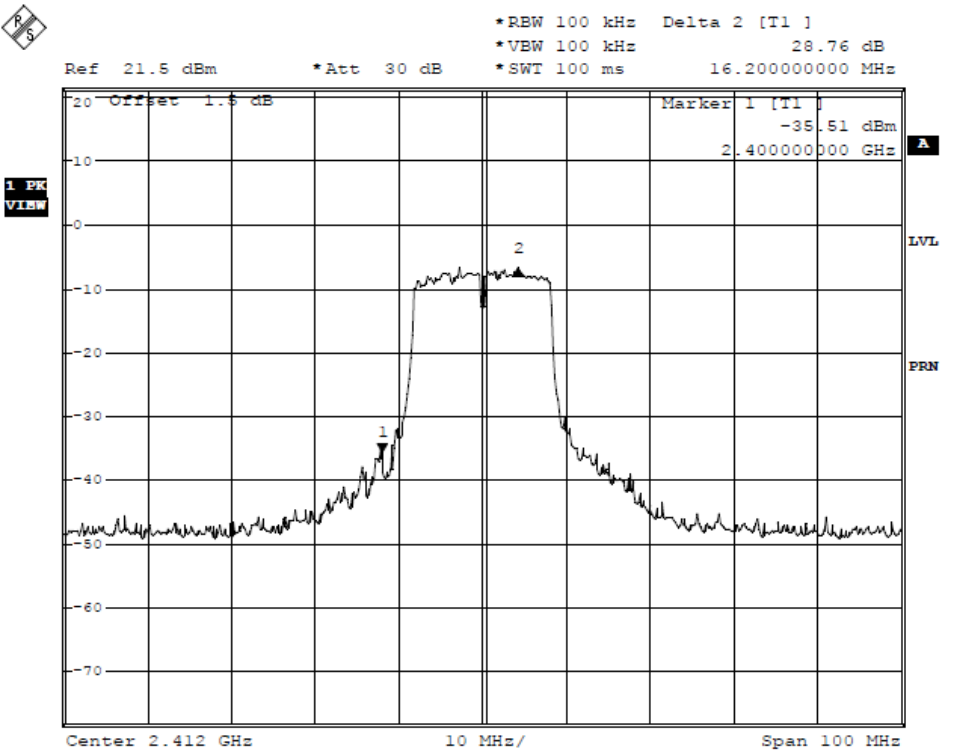
Pass.

Conducted test

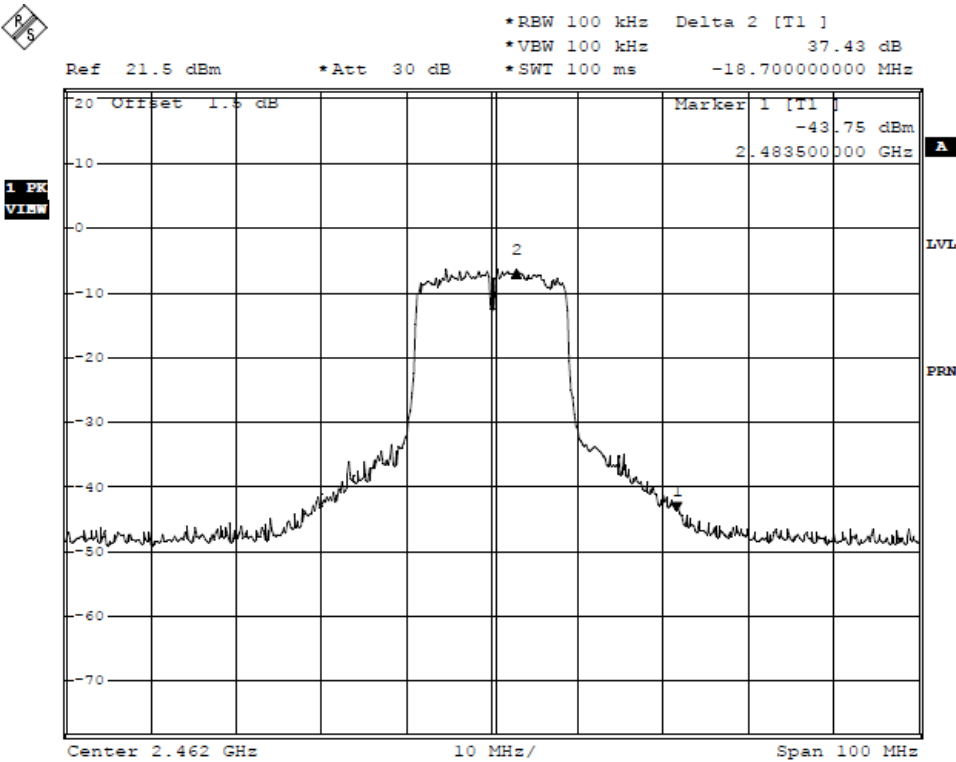
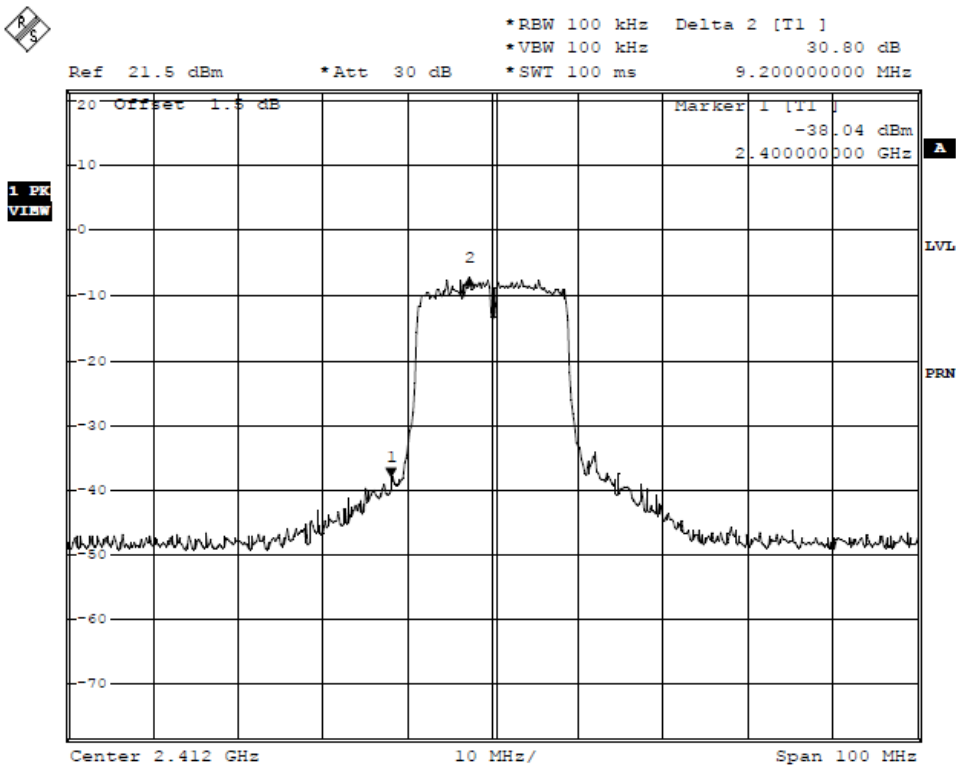
802.11b Mode:

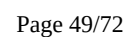


802.11g Mode:



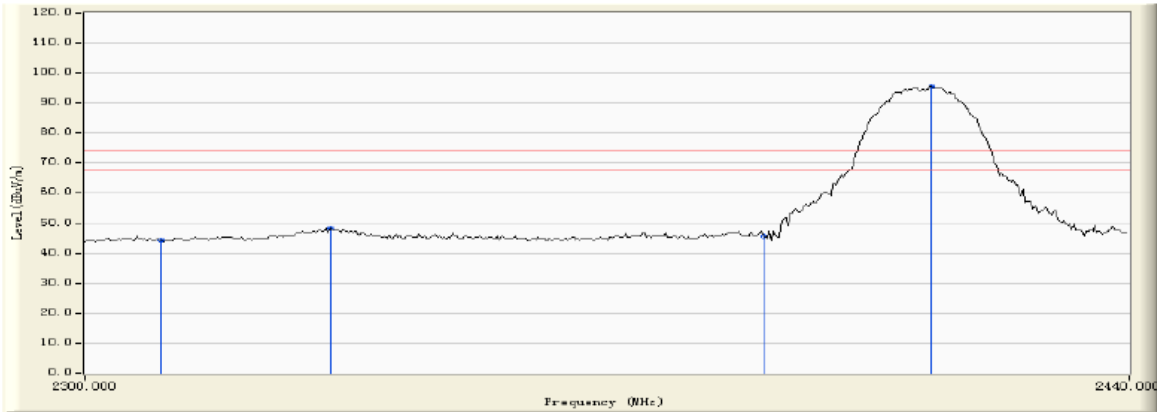
802.11n (20M) Mode:





Radiated test

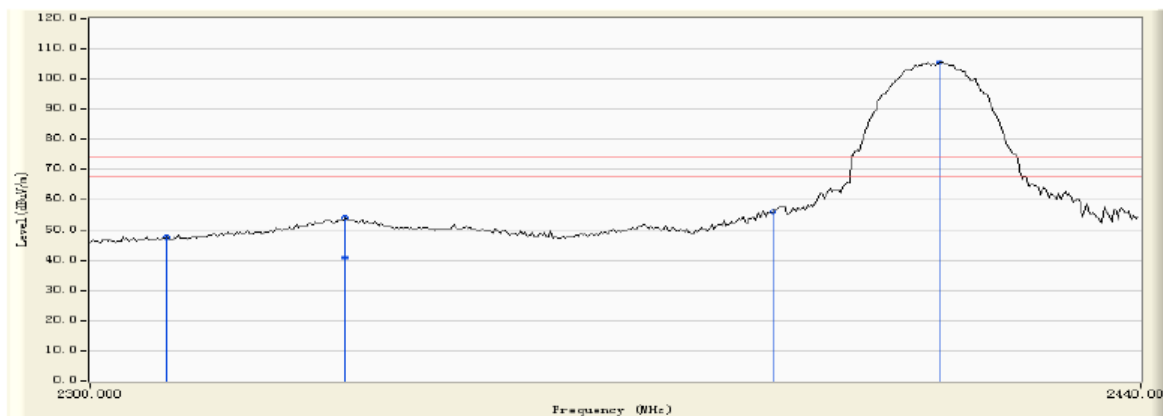
Date of Test:	March 26, 2012	Temperature:	25°C
EUT:	Mobile Internet Devices (MID)	Humidity:	52%
Model No.:	N707H6	Power Supply:	AC 120V/60Hz
Test Mode:	802.11b Channel Low 2412MHz	Polarization:	HORIZONTAL



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	0.188	44.049	44.238	-29.762	74.000	PEAK
2		2332.136	0.238	48.145	48.383	-25.617	74.000	PEAK
3		2390.000	0.358	45.309	45.667	-28.333	74.000	PEAK
4	*	2412.894	0.432	95.068	95.500	N/A	N/A	PEAK

- Note: 1. Measurement Level = Reading Level + Correct Factor.
2. The average measurement was not performed when the peak measured data under the limit of average detection.

Date of Test:	<u>March 26, 2012</u>	Temperature:	<u>25°C</u>
EUT:	<u>Mobile Internet Devices (MID)</u>	Humidity:	<u>52%</u>
Model No.:	<u>N707H6</u>	Power Supply:	<u>AC 120V/60Hz</u>
Test Mode:	<u>802.11b Channel Low 2412MHz</u>	Polarization:	<u>VERTICAL</u>



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	0.188	47.314	47.503	-26.497	74.000	PEAK
2		2333.253	0.240	53.768	54.009	-19.991	74.000	PEAK
3		2333.253	0.240	40.590	40.831	-13.169	54.000	AVERAGE
4		2390.000	0.358	53.475	53.833	-20.167	74.000	PEAK
5	*	2412.615	0.431	105.071	105.502	N/A	N/A	PEAK

Note: 1. Measurement Level = Reading Level + Correct Factor.

2. The average measurement was not performed when the peak measured data under the limit of average detection.

Date of Test: March 26, 2012

EUT: Mobile Internet Devices (MID)

Model No.: N707H6

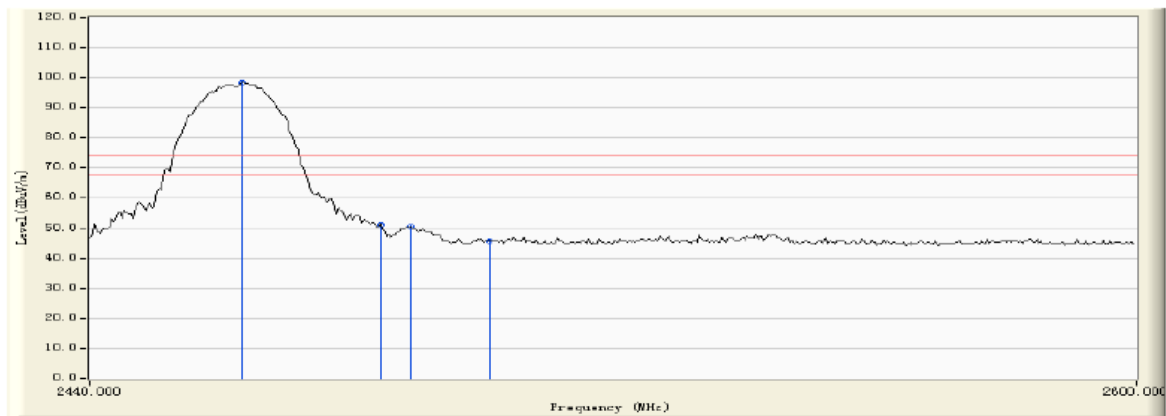
Test Mode: 802.11b Channel High 2462MHz

Temperature: 25°C

Humidity: 52%

Power Supply: AC 120V/60Hz

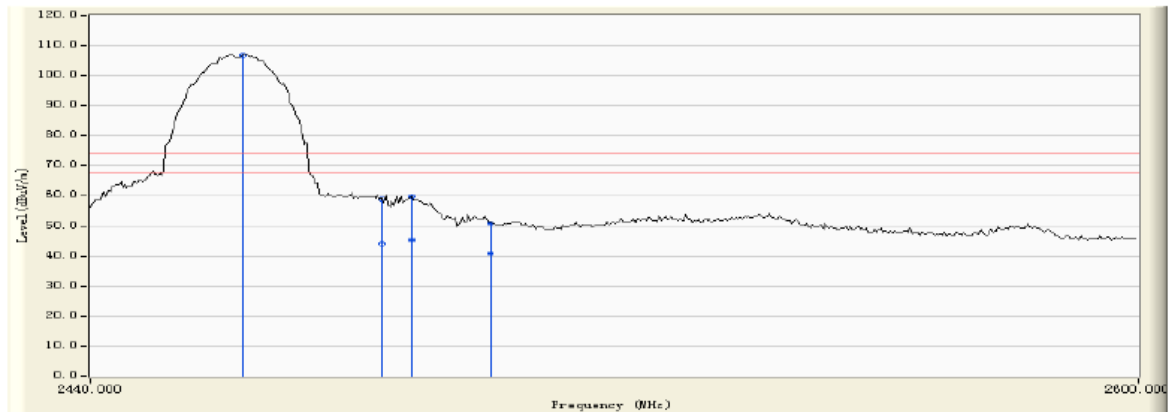
Polarization: HORIZONTAL



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2462.675	0.602	97.752	98.354	N/A	N/A	PEAK
2		2483.500	0.672	50.375	51.048	-22.952	74.000	PEAK
3		2487.904	0.689	49.809	50.497	-23.503	74.000	PEAK
4		2500.000	0.737	45.096	45.832	-28.168	74.000	PEAK

Note: 1. Measurement Level = Reading Level + Correct Factor.
2. The average measurement was not performed when the peak measured data under the limit of average detection.

Date of Test:	March 26, 2012	Temperature:	25°C
EUT:	Mobile Internet Devices (MID)	Humidity:	52%
Model No.:	N707H6	Power Supply:	AC 120V/60Hz
Test Mode:	802.11b Channel High 2462MHz	Polarization:	VERTICAL



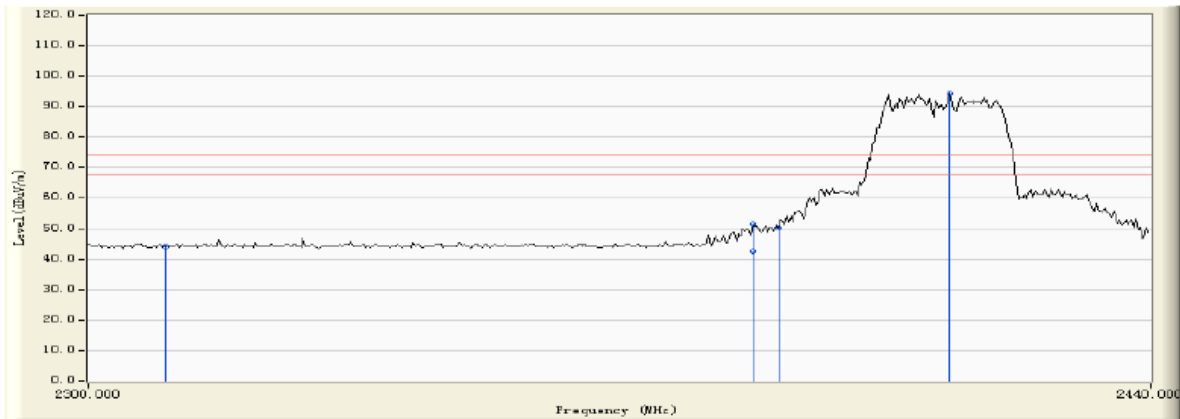
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2462.675	0.602	106.363	106.965	N/A	N/A	PEAK
2		2483.500	0.672	58.247	58.920	-15.080	74.000	PEAK
3		2483.500	0.672	43.560	44.233	-9.767	54.000	AVERAGE
4		2487.904	0.689	59.125	59.813	-14.187	74.000	PEAK
5		2487.904	0.689	44.580	45.268	-8.732	54.000	AVERAGE
6		2500.000	0.737	50.119	50.855	-23.145	74.000	PEAK
7		2500.000	0.737	40.240	40.976	-13.024	54.000	AVERAGE

Note: 1. Measurement Level = Reading Level + Correct Factor.

2. The average measurement was not performed when the peak measured data under the limit of average detection.

Radiated test

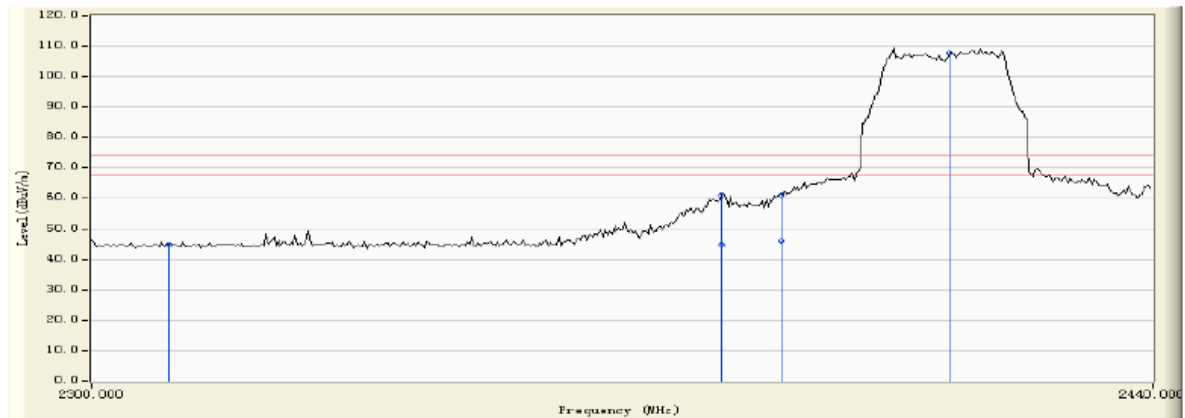
Date of Test:	March 26, 2012	Temperature:	25°C
EUT:	Mobile Internet Devices (MID)	Humidity:	52%
Model No.:	N707H6	Power Supply:	AC 120V/60Hz
Test Mode:	802.11g Channel Low 2412MHz	Polarization:	HORIZONTAL



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	0.188	44.008	44.197	-29.803	74.000	PEAK
2		2386.627	0.350	51.212	51.562	-22.438	74.000	PEAK
3		2386.627	0.350	42.020	42.370	-11.630	54.000	AVERAGE
4		2390.000	0.358	49.826	50.184	-23.816	74.000	PEAK
5	*	2412.894	0.432	93.753	94.185	N/A	N/A	PEAK

Note: 1. Measurement Level = Reading Level + Correct Factor.
2. The average measurement was not performed when the peak measured data under the limit of average detection.

Date of Test:	March 26, 2012	Temperature:	25°C
EUT:	Mobile Internet Devices (MID)	Humidity:	52%
Model No.:	N707H6	Power Supply:	AC 120V/60Hz
Test Mode:	802.11g Channel Low 2412MHz	Polarization:	VERTICAL

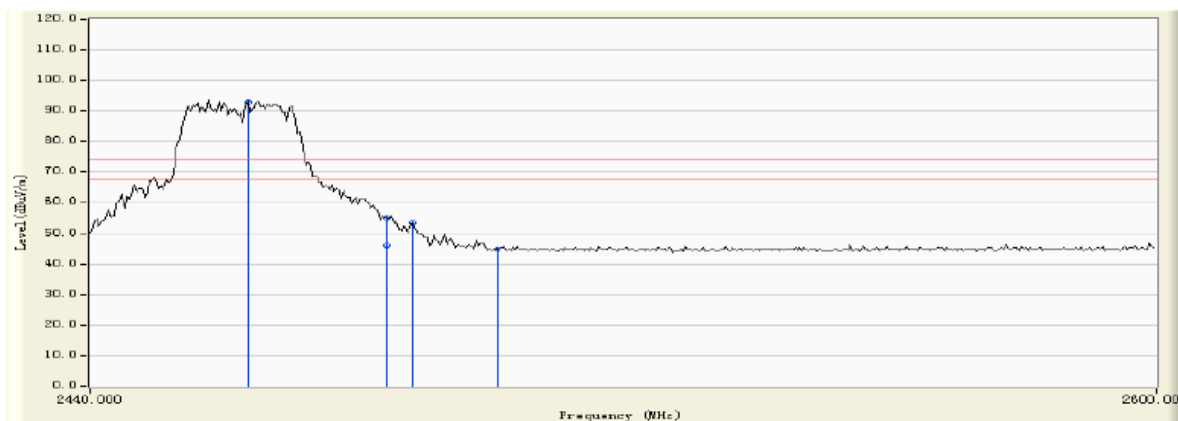


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	0.188	44.681	44.870	-29.130	74.000	PEAK
2		2382.156	0.340	60.759	61.099	-12.901	74.000	PEAK
3		2382.156	0.340	44.240	44.580	-9.420	54.000	AVERAGE
4		2390.000	0.358	60.832	61.190	-12.810	74.000	PEAK
5		2390.000	0.358	45.630	45.988	-8.012	54.000	AVERAGE
6	*	2412.615	0.431	107.381	107.812	N/A	N/A	PEAK

Note: 1. Measurement Level = Reading Level + Correct Factor.

2. The average measurement was not performed when the peak measured data under the limit of average detection.

Date of Test:	<u>March 26, 2012</u>	Temperature:	<u>25°C</u>
EUT:	<u>Mobile Internet Devices (MID)</u>	Humidity:	<u>52%</u>
Model No.:	<u>N707H6</u>	Power Supply:	<u>AC 120V/60Hz</u>
Test Mode:	<u>802.11g Channel High 2462MHz</u>	Polarization:	<u>HORIZONTAL</u>

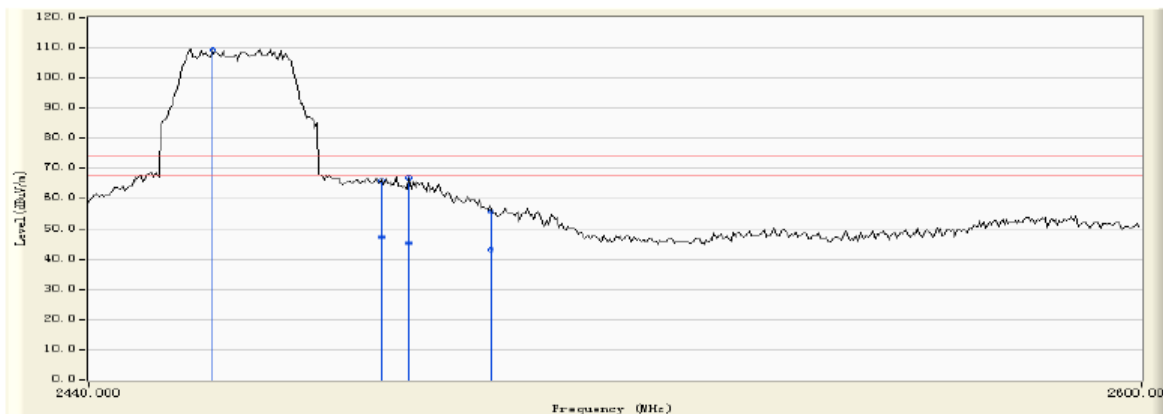


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2462.994	0.602	92.334	92.937	N/A	N/A	PEAK
2		2483.500	0.672	54.341	55.014	-18.986	74.000	PEAK
3		2483.500	0.672	45.240	45.913	-8.087	54.000	AVERAGE
4		2487.265	0.686	52.803	53.489	-20.511	74.000	PEAK
5		2500.000	0.737	43.921	44.657	-29.343	74.000	PEAK

Note: 1. Measurement Level = Reading Level + Correct Factor.

2. The average measurement was not performed when the peak measured data under the limit of average detection.

Date of Test:	March 26, 2012	Temperature:	25°C
EUT:	Mobile Internet Devices (MID)	Humidity:	52%
Model No.:	N707H6	Power Supply:	AC 120V/60Hz
Test Mode:	802.11g Channel High 2462MHz	Polarization:	VERTICAL



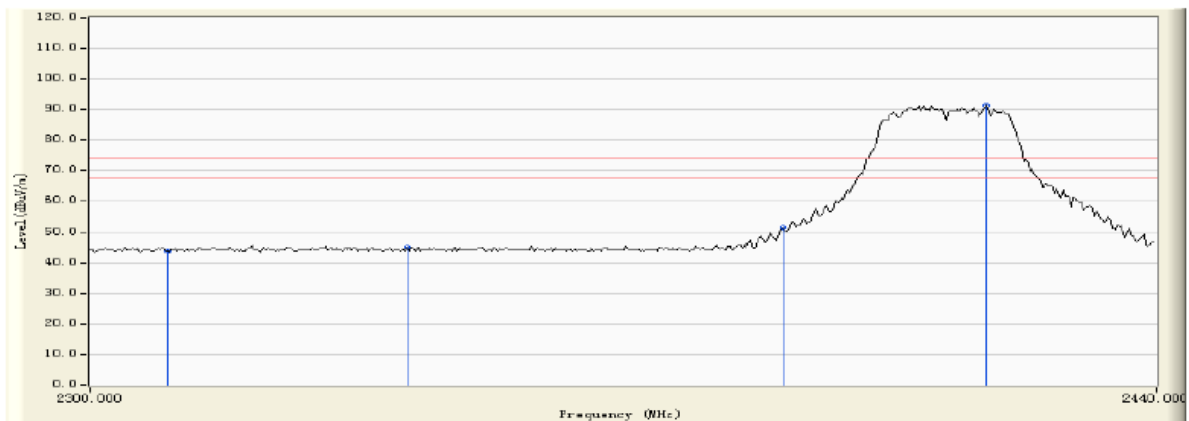
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2458.204	0.584	108.770	109.354	N/A	N/A	PEAK
2		2483.500	0.672	65.376	66.049	-7.951	74.000	PEAK
3		2483.500	0.672	46.530	47.203	-6.797	54.000	AVERAGE
4		2487.585	0.687	66.232	66.919	-7.081	74.000	PEAK
5		2487.585	0.687	44.520	45.207	-8.793	54.000	AVERAGE
6		2500.000	0.737	54.773	55.509	-18.491	74.000	PEAK
7		2500.000	0.737	42.390	43.126	-10.874	54.000	AVERAGE

Note: 1. Measurement Level = Reading Level + Correct Factor.

2. The average measurement was not performed when the peak measured data under the limit of average detection.

Radiated test

Date of Test:	March 26, 2012	Temperature:	25°C
EUT:	Mobile Internet Devices (MID)	Humidity:	52%
Model No.:	N707H6	Power Supply:	AC 120V/60Hz
Test Mode:	802.11n HT20 Channel Low 2412MHz	Polarization:	HORIZONTAL



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	0.188	43.424	43.613	-30.387	74.000	PEAK
2		2340.798	0.258	44.689	44.947	-29.053	74.000	PEAK
3		2390.000	0.358	50.966	51.324	-22.676	74.000	PEAK
4	*	2417.086	0.445	90.910	91.356	N/A	N/A	PEAK

Note: 1. Measurement Level = Reading Level + Correct Factor.

2. The average measurement was not performed when the peak measured data under the limit of average detection.

Date of Test: March 26, 2012

Temperature: 25°C

EUT: Mobile Internet Devices (MID)

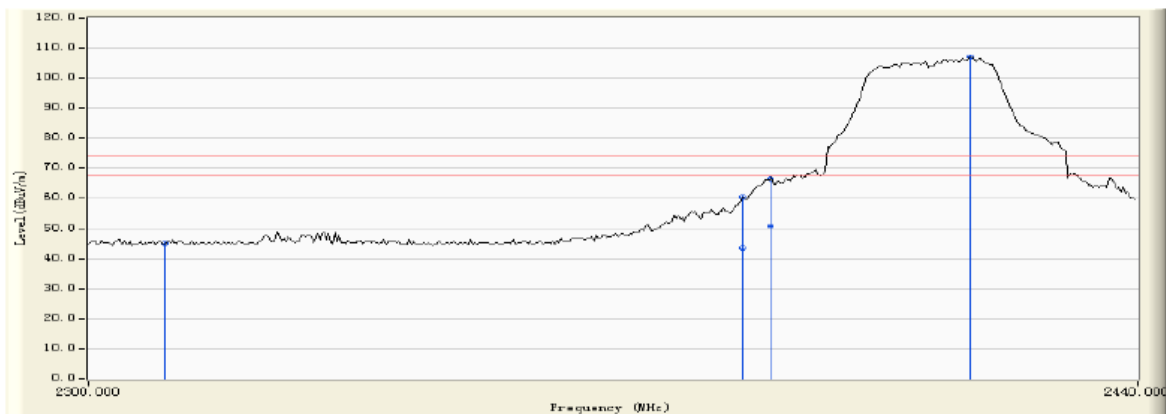
Humidity: 52%

Model No.: N707H6

Power Supply: AC 120V/60Hz

Test Mode: 802.11n HT20 Channel Low 2412MHz

Polarization: VERTICAL

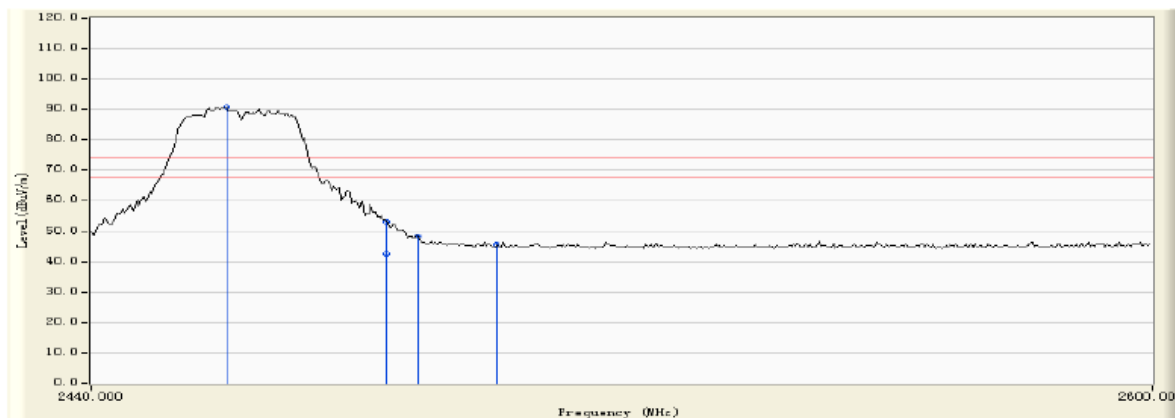


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	0.188	44.894	45.083	-28.917	74.000	PEAK
2		2386.347	0.350	60.063	60.413	-13.587	74.000	PEAK
3		2386.347	0.350	43.240	43.590	-10.410	54.000	AVERAGE
4		2390.000	0.358	66.091	66.449	-7.551	74.000	PEAK
5		2390.000	0.358	50.460	50.818	-3.182	54.000	AVERAGE
6	*	2417.086	0.445	106.585	107.031	N/A	N/A	PEAK

Note: 1. Measurement Level = Reading Level + Correct Factor.

2. The average measurement was not performed when the peak measured data under the limit of average detection.

Date of Test:	<u>March 26, 2012</u>	Temperature:	<u>25°C</u>
EUT:	<u>Mobile Internet Devices (MID)</u>	Humidity:	<u>52%</u>
Model No.:	<u>N707H6</u>	Power Supply:	<u>AC 120V/60Hz</u>
Test Mode:	<u>802.11n HT20 Channel High 2462MHz</u>	Polarization:	<u>HORIZONTAL</u>

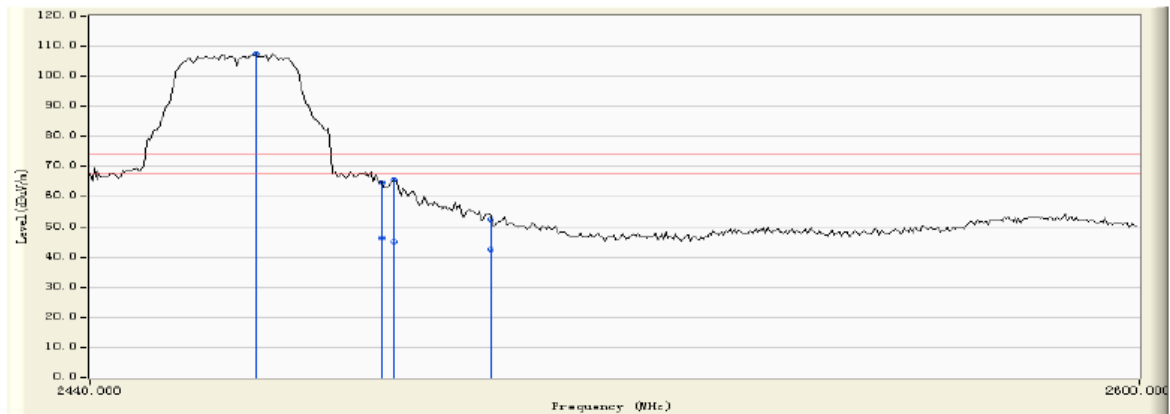


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2459.800	0.591	90.187	90.778	N/A	N/A	PEAK
2		2483.500	0.672	52.531	53.204	-20.796	74.000	PEAK
3		2483.500	0.672	41.680	42.353	-11.647	54.000	AVERAGE
4		2488.224	0.689	47.690	48.379	-25.621	74.000	PEAK
5		2500.000	0.737	44.873	45.609	-28.391	74.000	PEAK

Note: 1. Measurement Level = Reading Level + Correct Factor.

2. The average measurement was not performed when the peak measured data under the limit of average detection.

Date of Test:	March 26, 2012	Temperature:	25°C
EUT:	Mobile Internet Devices (MID)	Humidity:	52%
Model No.:	N707H6	Power Supply:	AC 120V/60Hz
Test Mode:	802.11n HT20 Channel High 2462MHz	Polarization:	VERTICAL



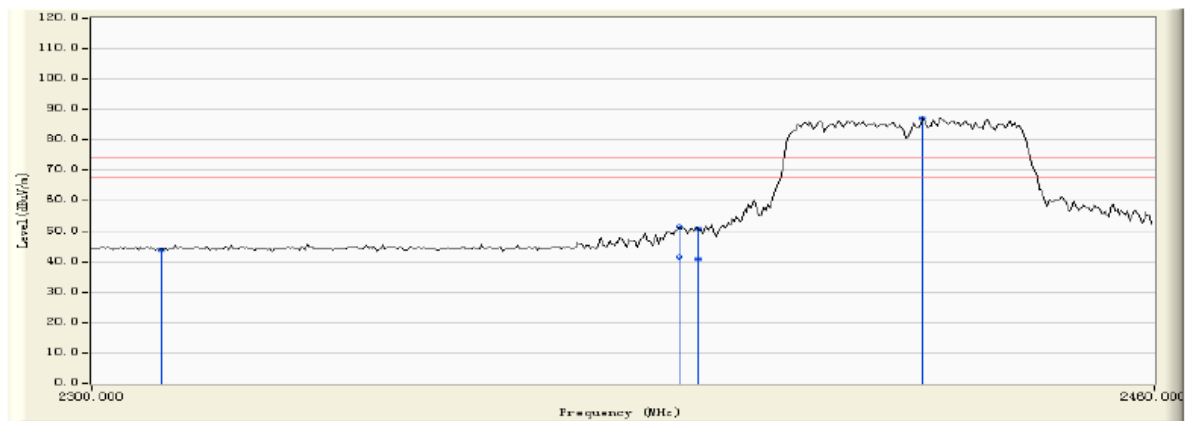
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2464.591	0.608	106.862	107.470	N/A	N/A	PEAK
2		2483.500	0.672	63.924	64.597	-9.403	74.000	PEAK
3		2483.500	0.672	45.680	46.353	-7.647	54.000	AVERAGE
4		2485.349	0.680	64.854	65.533	-8.467	74.000	PEAK
5		2485.349	0.680	44.250	44.929	-9.071	54.000	AVERAGE
6		2500.000	0.737	51.729	52.465	-21.535	74.000	PEAK
7		2500.000	0.737	41.570	42.306	-11.694	54.000	AVERAGE

Note: 1. Measurement Level = Reading Level + Correct Factor.

2. The average measurement was not performed when the peak measured data under the limit of average detection.

Radiated test

Date of Test:	March 26, 2012	Temperature:	25°C
EUT:	Mobile Internet Devices (MID)	Humidity:	52%
Model No.:	N707H6	Power Supply:	AC 120V/60Hz
Test Mode:	802.11n HT40 Channel Low 2422MHz	Polarization:	HORIZONTAL

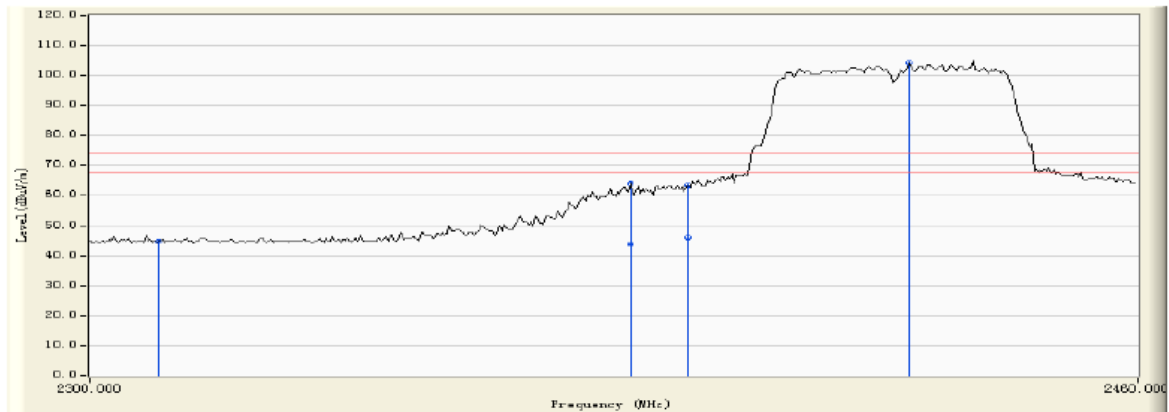


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	0.188	43.687	43.876	-30.124	74.000	PEAK
2		2387.186	0.352	51.188	51.540	-22.460	74.000	PEAK
3		2387.186	0.352	41.020	41.372	-12.628	54.000	AVERAGE
4		2390.000	0.358	50.417	50.775	-23.225	74.000	PEAK
5		2390.000	0.358	40.580	40.938	-13.062	54.000	AVERAGE
6	*	2424.232	0.470	86.866	87.336	N/A	N/A	PEAK

Note: 1. Measurement Level = Reading Level + Correct Factor.

2. The average measurement was not performed when the peak measured data under the limit of average detection.

Date of Test:	March 26, 2012	Temperature:	25°C
EUT:	Mobile Internet Devices (MID)	Humidity:	52%
Model No.:	N707H6	Power Supply:	AC 120V/60Hz
Test Mode:	802.11n HT40 Channel Low 2422MHz	Polarization:	VERTICAL

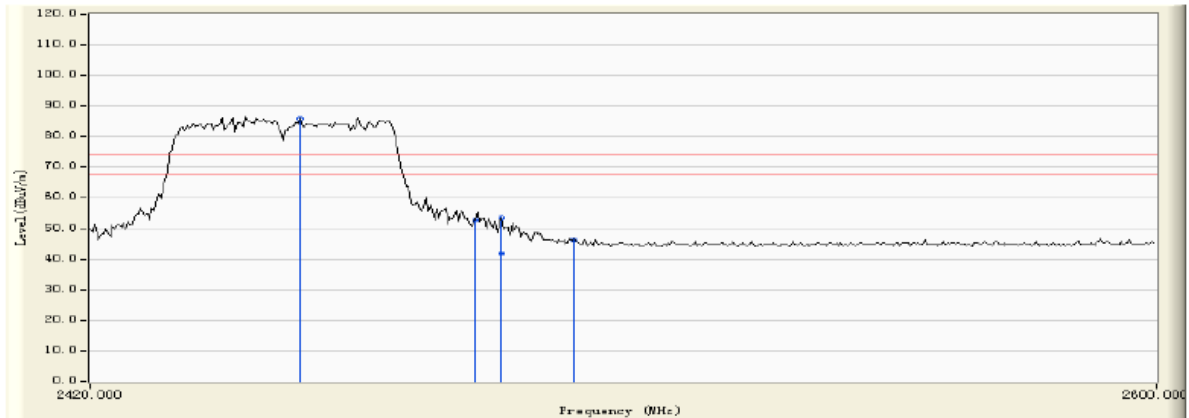


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	0.188	44.415	44.604	-29.396	74.000	PEAK
2		2381.118	0.338	63.786	64.124	-9.876	74.000	PEAK
3		2381.118	0.338	43.570	43.908	-10.092	54.000	AVERAGE
4		2390.000	0.358	63.094	63.452	-10.548	74.000	PEAK
5		2390.000	0.358	45.680	46.038	-7.962	54.000	AVERAGE
6	*	2424.231	0.470	103.836	104.306	N/A	N/A	PEAK

Note: 1. Measurement Level = Reading Level + Correct Factor.

2. The average measurement was not performed when the peak measured data under the limit of average detection.

Date of Test:	March 26, 2012	Temperature:	25°C
EUT:	Mobile Internet Devices (MID)	Humidity:	52%
Model No.:	N707H6	Power Supply:	AC 120V/60Hz
Test Mode:	802.11n HT40 Channel High 2452MHz	Polarization:	HORIZONTAL

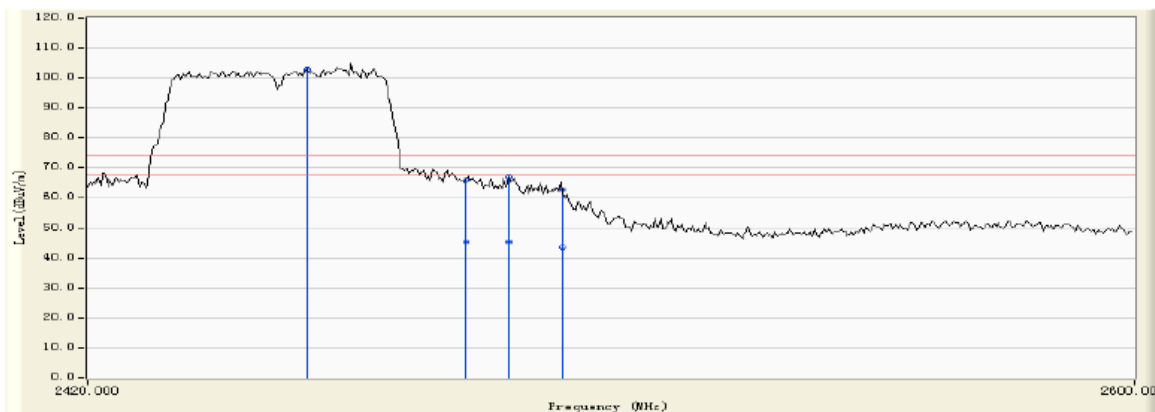


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2454.491	0.570	85.289	85.858	N/A	N/A	PEAK
2		2483.500	0.672	52.111	52.784	-21.216	74.000	PEAK
3		2487.904	0.689	52.562	53.250	-20.750	74.000	PEAK
4		2487.904	0.689	41.260	41.948	-12.052	54.000	AVERAGE
5		2500.000	0.737	45.708	46.444	-27.556	74.000	PEAK

Note: 1. Measurement Level = Reading Level + Correct Factor.

2. The average measurement was not performed when the peak measured data under the limit of average detection.

Date of Test:	March 26, 2012	Temperature:	25°C
EUT:	Mobile Internet Devices (MID)	Humidity:	52%
Model No.:	N707H6	Power Supply:	AC 120V/60Hz
Test Mode:	802.11n HT40 Channel High 2452MHz	Polarization:	VERTICAL



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2456.647	0.578	102.339	102.917	N/A	N/A	PEAK
2		2483.500	0.672	65.235	65.908	-8.092	74.000	PEAK
3		2483.500	0.672	44.680	45.353	-8.647	54.000	AVERAGE
4		2490.779	0.697	66.247	66.945	-7.055	74.000	PEAK
5		2490.779	0.697	44.580	45.278	-8.722	54.000	AVERAGE
6		2500.000	0.737	61.972	62.708	-11.292	74.000	PEAK
7		2500.000	0.737	42.680	43.416	-10.584	54.000	AVERAGE

Note: 1. Measurement Level = Reading Level + Correct Factor.

2. The average measurement was not performed when the peak measured data under the limit of average detection.

13. §15.247(E) - Power Spectral Density

13.1. Test Equipment

Please refer to Section 4 this report.

13.2. Test Procedure

- 1, Set EUT in the transmitting mode.
- 2, Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
- 3, Set the spectrum analyzer as RBW=3KHz, VBW=10KHz, Span=1.5MHz, Sweep=500S.
- 4, Record the max. reading
- 5, Repeat the above procedure until the measurements for all frequencies are completed.

13.3. Applicable Standard

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.

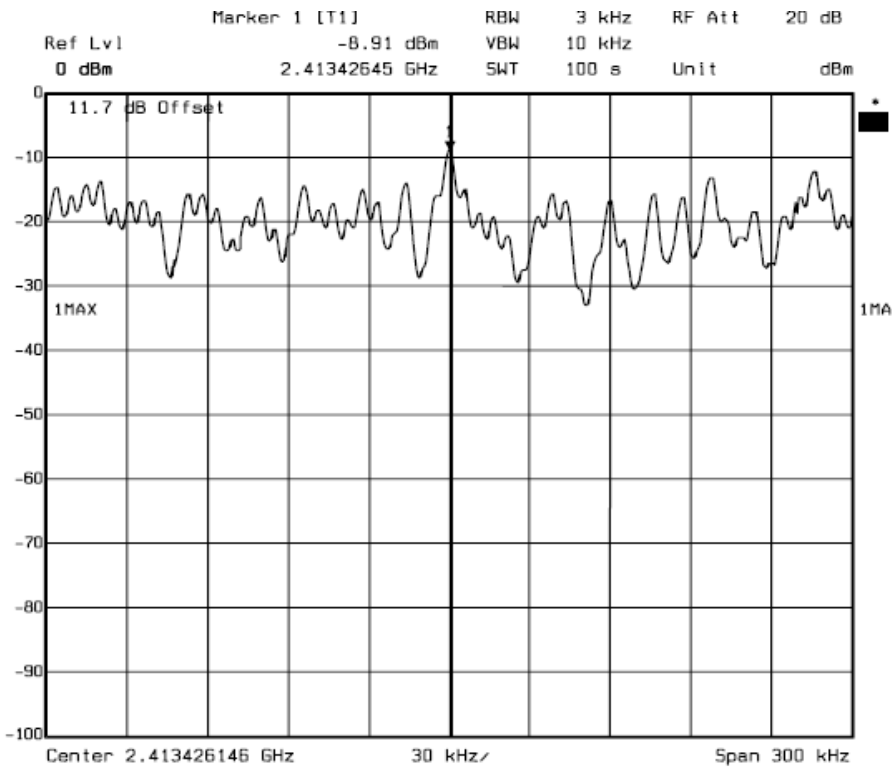
13.4. Test Result

PASS

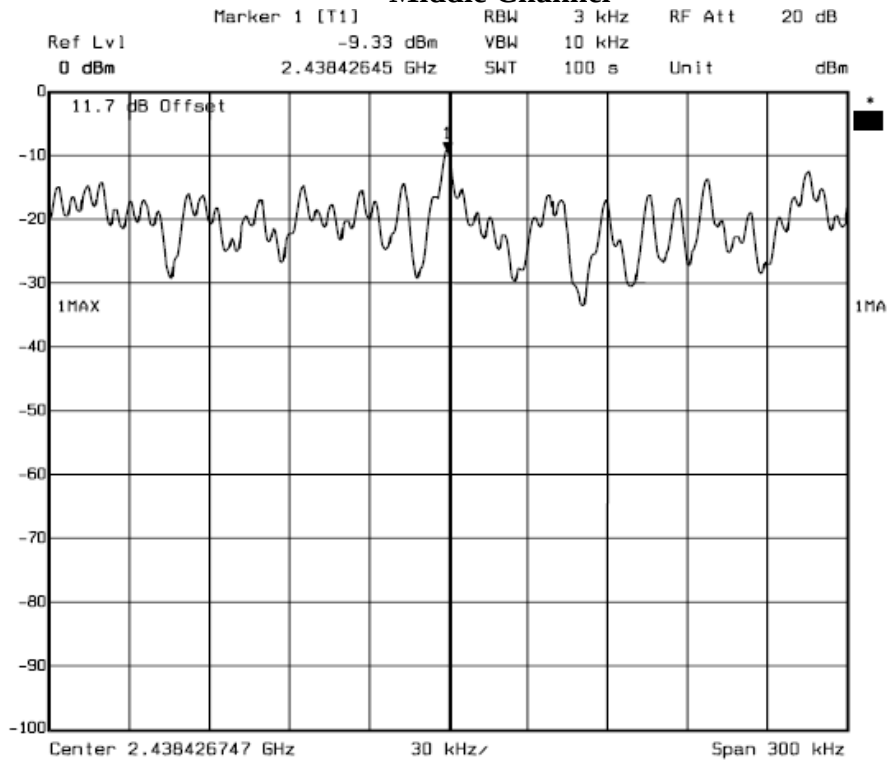
Channel Frequency (MHz)	Data Rate (Mbps)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	RESULT
802.11b Mode				
2412	1	-8.91	8	Compliant
2437	1	-9.33	8	Compliant
2462	1	-10.22	8	Compliant
802.11g Mode				
2412	6	-13.63	8	Compliant
2437	6	-14.30	8	Compliant
2462	6	-13.52	8	Compliant
802.11n (20M) Mode				
2412	6	-17.58	8	Compliant
2437	6	-16.58	8	Compliant
2462	6	-16.97	8	Compliant
802.11n (40M) Mode				
2412	6	-18.87	8	Compliant
2437	6	-19.60	8	Compliant
2462	6	-19.55	8	Compliant

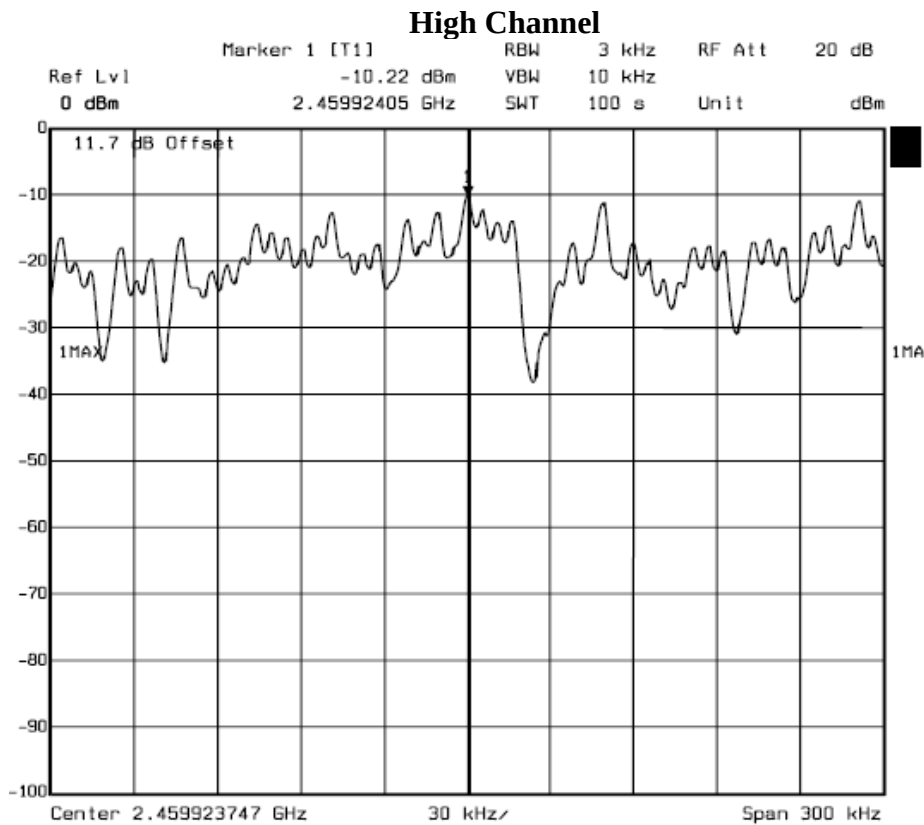
802.11b Mode:

Low Channel

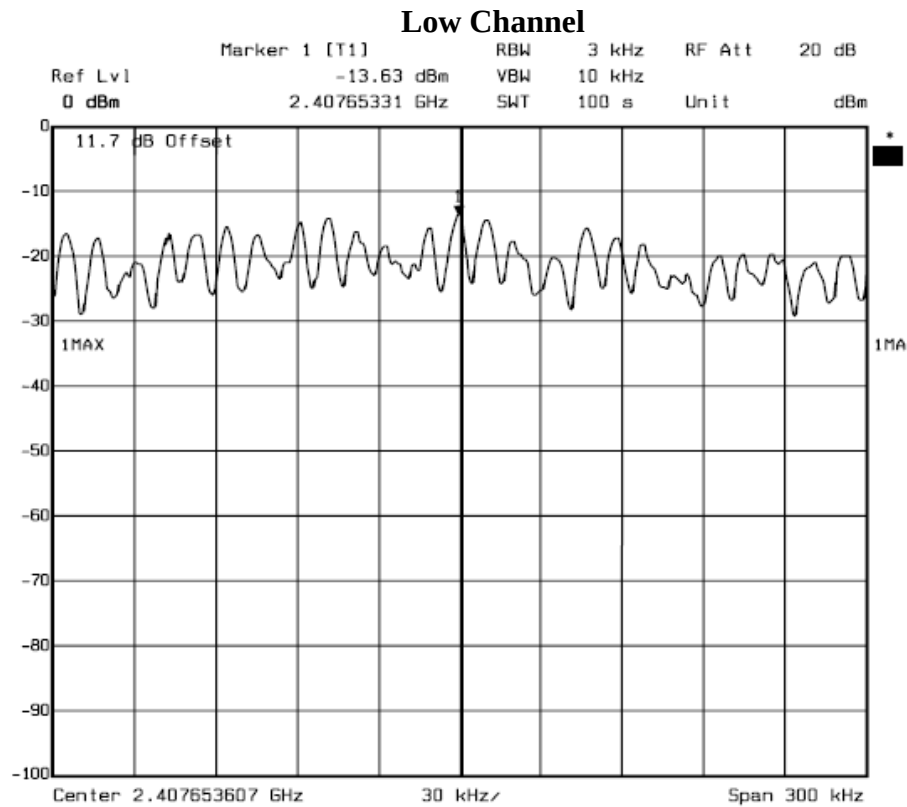


Middle Channel

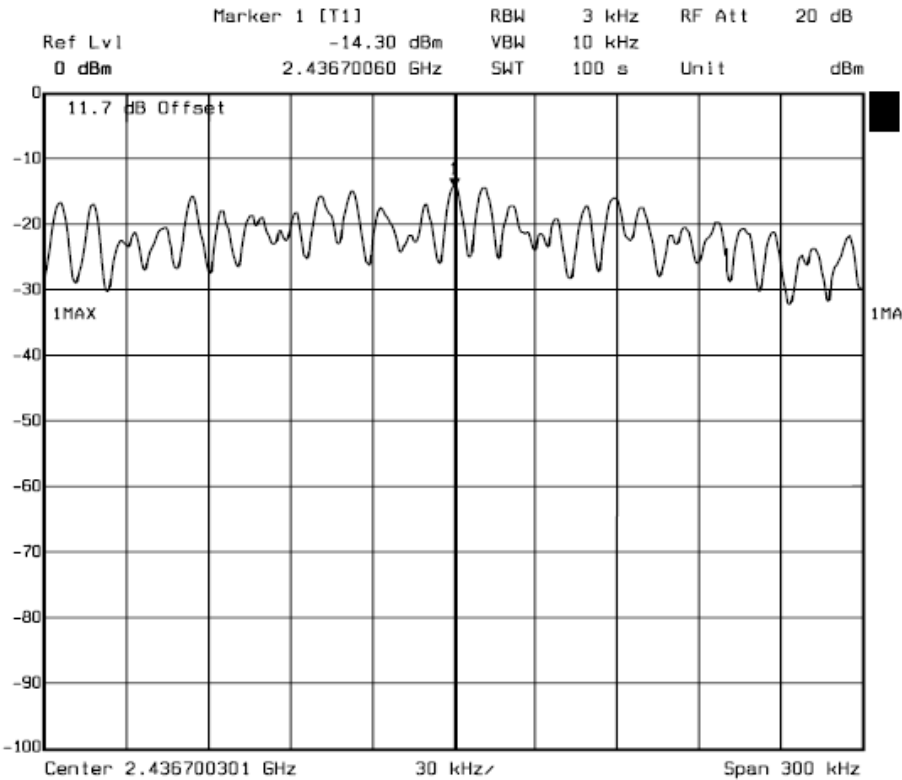




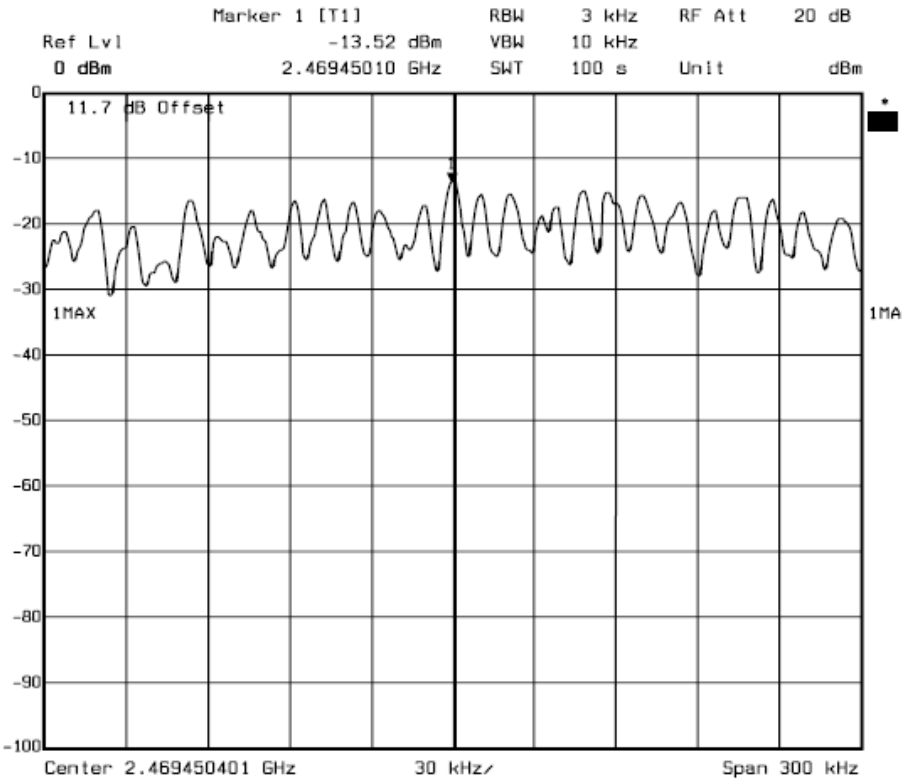
802.11g Mode:



Middle Channel

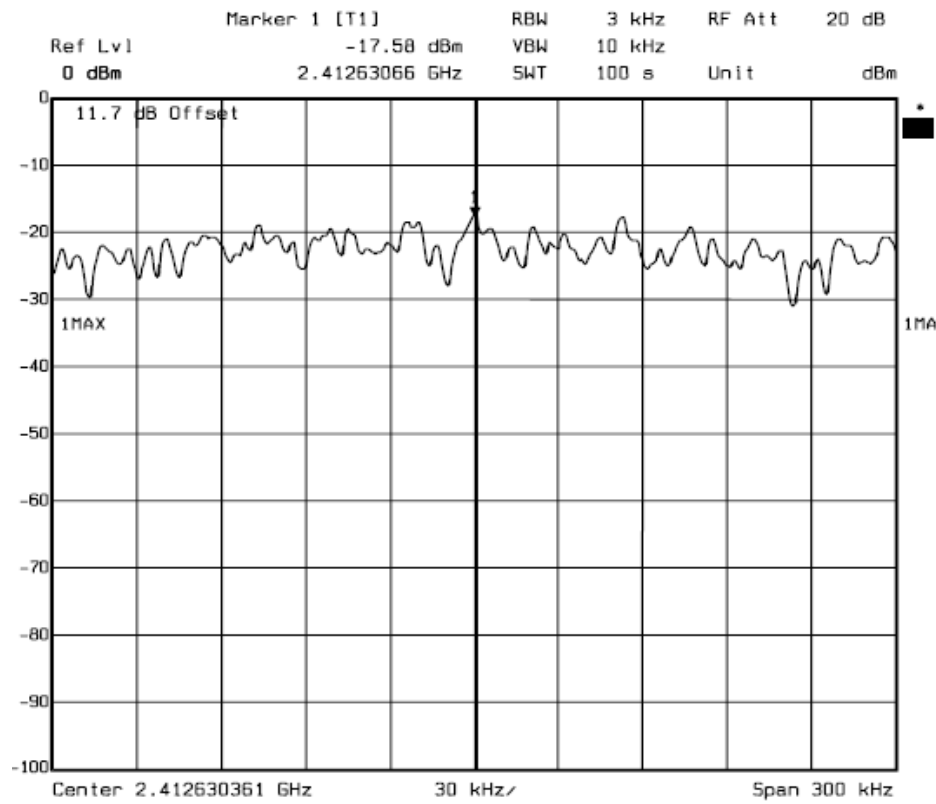


High Channel

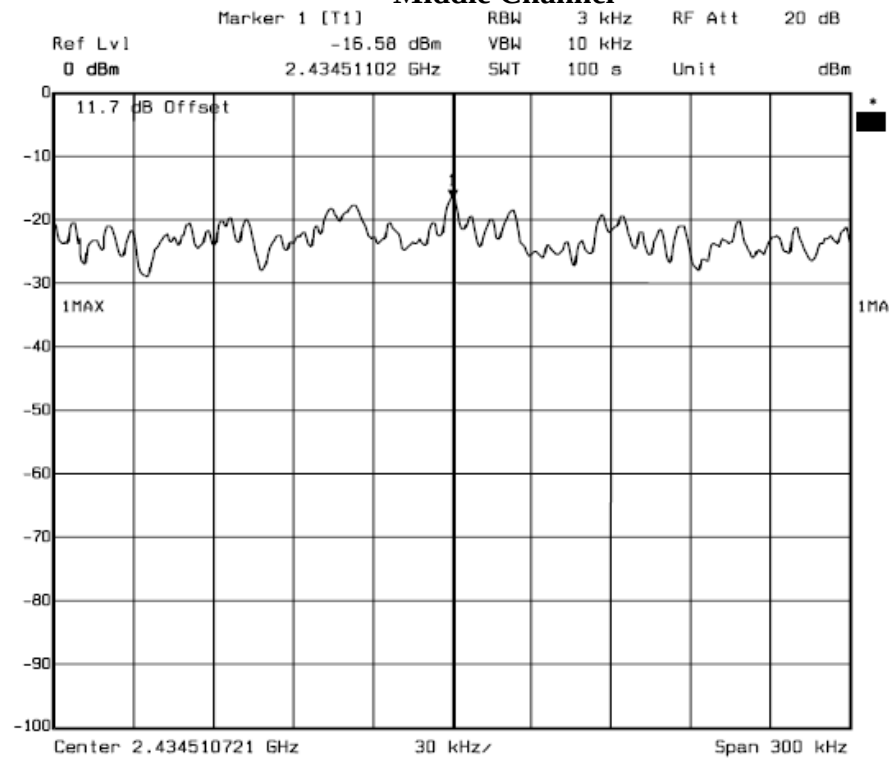


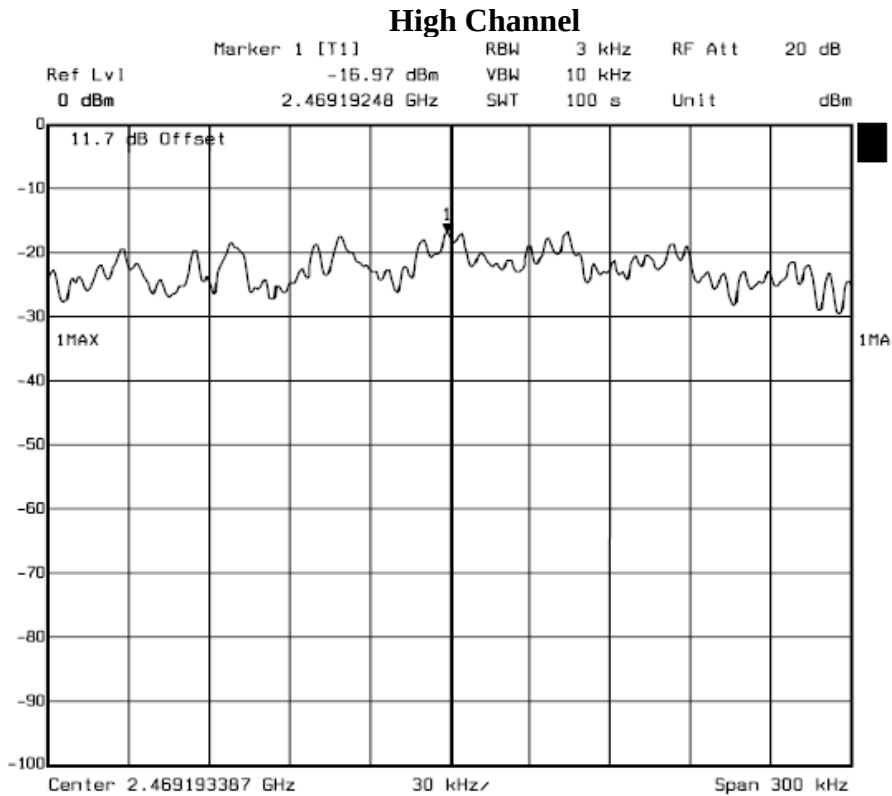
802.11n (20M) Mode:

Low Channel

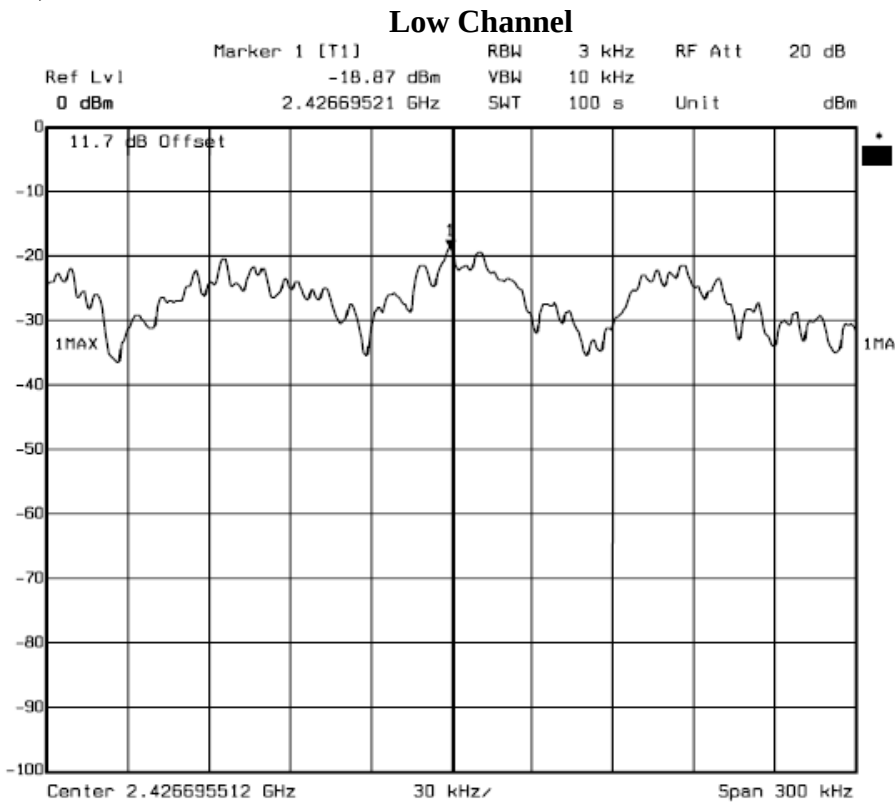


Middle Channel

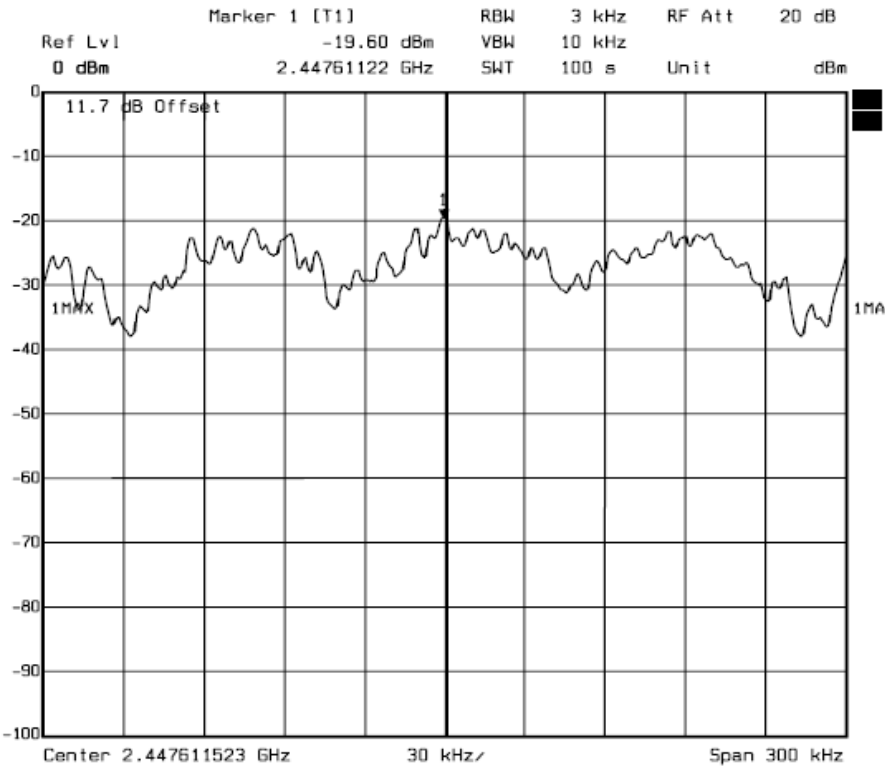




802.11n (40M) Mode:



Middle Channel



High Channel

