



RF TEST REPORT

Report No.: SET2014-06226

Product Name: 10.1" Tablet

FCC ID: 2ABMA-888-700-202

Model No. : 888-700-202

Applicant: LYNX INNOVATION LTD

Address: UNIT 8A 331 ROSEDALE ROAD ALBANY 0632 NORTH
SHORE CITY AUCKLAND, NEW ZEALAND

Issued by: CCIC-SET

Lab Location: Electronic Testing Building, Shahe Road, Xili, Nanshan District,
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Tel: 86 755 26627338 **Fax:** 86 755 26627238

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Test Report

Product Name : 10.1" Tablet

Brand Name : LYNX

Trade Name : LYNX

Applicant : LYNX INNOVATION LTD

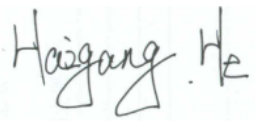
Applicant Address : UNIT 8A 331 ROSEDALE ROAD ALBANY 0632 NORTH
SHORE CITY AUCKLAND, NEW ZEALAND

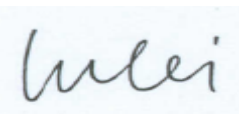
Manufacturer : JIAXING LYNX DISPLAYS LIMITED

Manufacturer Address : FL.1 BLDG. 7 #3288 ZHONGSHAN RD(W) XIUZHOU
INDUSTRIAL PARK JIAXING ZHEJIANG 314000 CHINA

Test Standards : 47 CFR Part 15 Subpart C: Radio Frequency Devices
ANSI C63.10:2009: American National Standard for
Testing Unlicensed Wireless Devices
KDB 558074 D01 DTS Meas Guidance v03r02

Test Result : PASS

Tested by : 
2014.06.23
Haigang He, Test Engineer

Reviewed by : 
2014.06.23
Lu Lei, Senior Engineer


Approved by : 
2014.06.23
Wu Li'an, Manager



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Change History		
Issue	Date	Reason for change
1.0	June 23, 2014	First edition



1. GENERAL INFORMATION

1.1 EUT Description

EUT Type	10.1" Tablet
Serial No.	(n.a, marked #1 by test site)
FCC ID	2ABMA-888-700-202
Hardware Version.....	1.3
Software Version	1.0.0
Frequency Range.....	802.11b/g/n-20MHz: 2.412GHz - 2.462GHz 802.11n-40MHz: 2.422GHz - 2.452GHz
Channel Number	802.11b/g/n-20MHz: 11 802.11n-40MHz: 7
Modulation Type	DSSS (802.11b), OFDM (802.11g/n)
Antenna Type	PIFA Antenna
Antenna Gain	1dBi
Note 1: The EUT is 10.1" Tablet, it contains WIFI operating at 2.4GHz ISM band; it supports 802.11b, 802.11g, 802.11n and they are all tested in this report.	
Note 2: The frequencies allocated is $F \text{ (MHz)} = 2412 + 5 * (n - 1)$ ($1 \leq n \leq 11$). The lowest, middle, highest channel numbers of the EUT used and tested in this report are separately 1 (2412MHz), 6 (2437MHz) and 11 (2462MHz).	
Note 3: For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.	



1.2 Support Equipment

No.	Equipment	Brand Name	Model Name	Manufacturer	Serial No.
1	Notebook	DELL	PP11L	DELL	H5914A03

1.3 Test Standards and Results

The objective of the report is to perform testing according to 47 CFR Part 15 Subpart C (Wi-Fi, 2.4GHz ISM band radiators) for the EUT FCC ID Certification:

No.	Identity	Document Title
1	47 CFR Part 15 Subpart C 2012	Radio Frequency Devices
2	ANSI C63.10 2009	American National Standard for Testing Unlicensed Wireless Devices

Test detailed items/section required by FCC rules and results are as below:

No.	Section	Description	Result	Test mode
1	15.203	Antenna Requirement	PASS	/
2	15.247(b)	Peak Output Power	PASS	Note 2
3	15.247(a)	Bandwidth	PASS	Note 2
4	15.247(d)	Conducted Spurious Emission	PASS	Note 2
5	15.247(d)	Band Edge	PASS	Note 2
6	15.207	Conducted Emission	PASS	Note 2
7	15.209 ,15.247(c)	Radiated Emission	PASS	Note 2
8	15.247(e)	Power spectral density (PSD)	PASS	Note 2

Note 1: The tests of Conducted Emission and Radiated Emission were performed according to the method of measurements prescribed in ANSI C63.10 2009.

Note 2: continue transmitting mode.

Preliminary tests were performed in different data rate to find the worst radiated emission. The data rate shown in the table below is the worst-case rate with respect to the specific test item.

Investigation has been done on all the possible configurations for searching the worst cases. The following table is a list of the test modes shown in this test report.

Test Items	Mode	Data Rate	Channel
Peak Conducted Output Power	11b/DSSS	11 Mbps	1/6/11
Power Spectral Density	11g/OFDM	54 Mbps	1/6/11
6dB Bandwidth			
Spurious RF conducted emission	11n(20MHz)/OFDM	72Mbps	1/6/11



Radiated Emission 9kHz~1GHz& Radiated Emission 1GHz~10th Harmonic	11n(40MHz)/OFDM	150 Mbps	3/6/9
Band Edge	11b/DSSS	11 Mbps	1/11
	11g/OFDM	54 Mbps	1/11
	11n(20MHz)/OFDM	72Mbps	1/11
	11n(40MHz)/OFDM	150 Mbps	3/9

1.4 Facilities and Accreditations

1.4.1 Facilities

CNAS-Lab Code: L1659

CCIC Southern Electronic Product Testing (Shenzhen) Co., Ltd. CCIC is a third party testing organization accredited by China National Accreditation Service for Conformity Assessment (CNAS) according to ISO/IEC 17025. The accreditation certificate number is L1659. A 12.8*6.8*6.4 (m) fully anechoic chamber was used for the radiated spurious emissions test.

FCC-Registration No.: 406086

CCIC Southern Electronic Product Testing (Shenzhen) Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The acceptance letter from the FCC is maintained in our files. Registration 406086, Renewal date Nov. 19, 2011, valid time is until Nov. 18, 2014.

IC-Registration No.: 11185A-1

CCIC Southern Electronic Product Testing (Shenzhen) Co., Ltd. EMC Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No. 11185A-1 on July. 15, 2013, valid time is until July. 15, 2016.

1.4.2 Test Environment Conditions

During the measurement, the environmental conditions were within the listed ranges:

Temperature (°C):	15 °C - 35 °C
Relative Humidity (%):	30% -60%
Atmospheric Pressure (kPa):	86KPa-106KPa

2. 47 CFR PART 15C REQUIREMENTS

2.1 Antenna requirement

2.1.1 Applicable Standard

According to FCC 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.

And according to FCC 47 CFR Section 15.247(c), if 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 6dBi.

2.1.2 Antenna Information

Antenna Category: External antenna

An External antenna was soldered to the antenna port of EUT via an adaptor cable, can't be removed.

Antenna General Information:

No.	EUT Model	Ant. Cat.	Ant. Type	Gain(dBi)
1	10.1" Tablet	External	PIFA	1

2.1.3 Result: comply

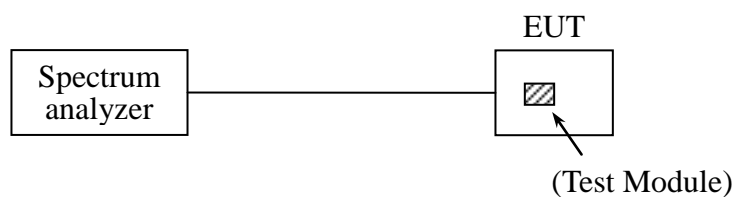
The EUT has a permanently and irreplaceable attached antenna. Please refer to the EUT internal photos.

2.2 Peak Output Power

2.2.1 Requirement

According to FCC section 15.247(b)(3), For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: The maximum peak conducted output power of the intentional radiator shall not exceed 1 Watt.

2.2.2 Test Description



The measured output power was calculated by the reading of the spectrum analyzer and calibration.

A. Test Setup:

The EUT (Equipment under the test) which is powered by the Battery is coupled to the Spectrum analyzer; the RF load attached to the EUT antenna terminal is 50 Ohm; the path loss as the factor is calibrated to correct the reading, all test result in Spectrum analyzer.

B. Equipments List:

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal.Due Date
Spectrum Analyzer	R&S	FSP40	1164.4391.40	2013.07.26	2014.07.25

2.2.3 Test Result

The lowest, middle and highest channels are selected to perform testing to verify the conducted RF output peak power of the Module.

2.2.3.1 802.11b Test mode

A. Test Verdict:

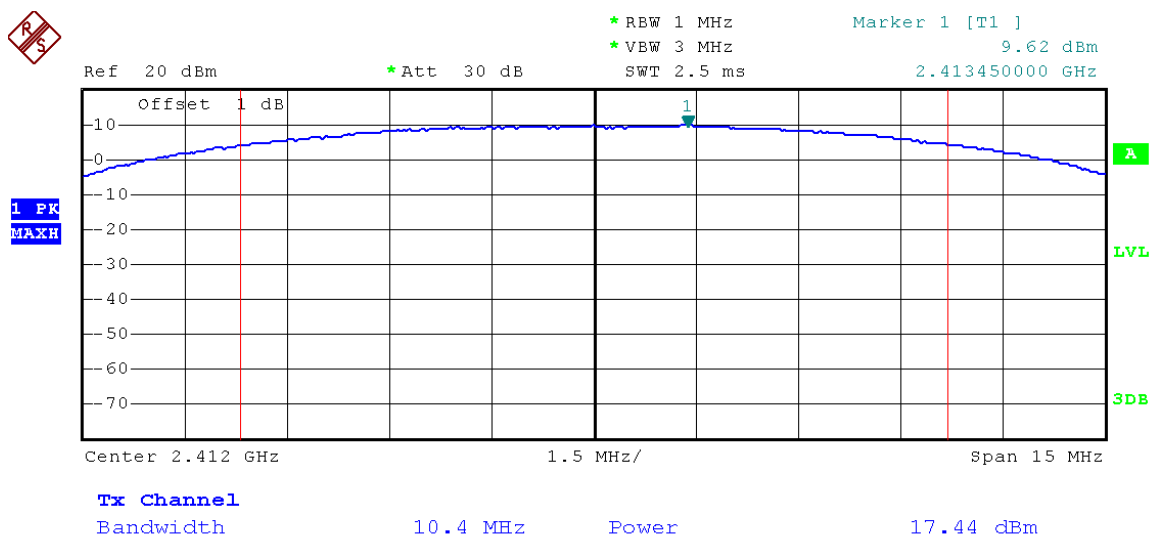
Channel	Frequency (MHz)	Measured Output Peak Power(dBm)	Refer to Plot	Limits (dBm)	Result
1	2412	17.44	Plot 2.2 A	30	PASS



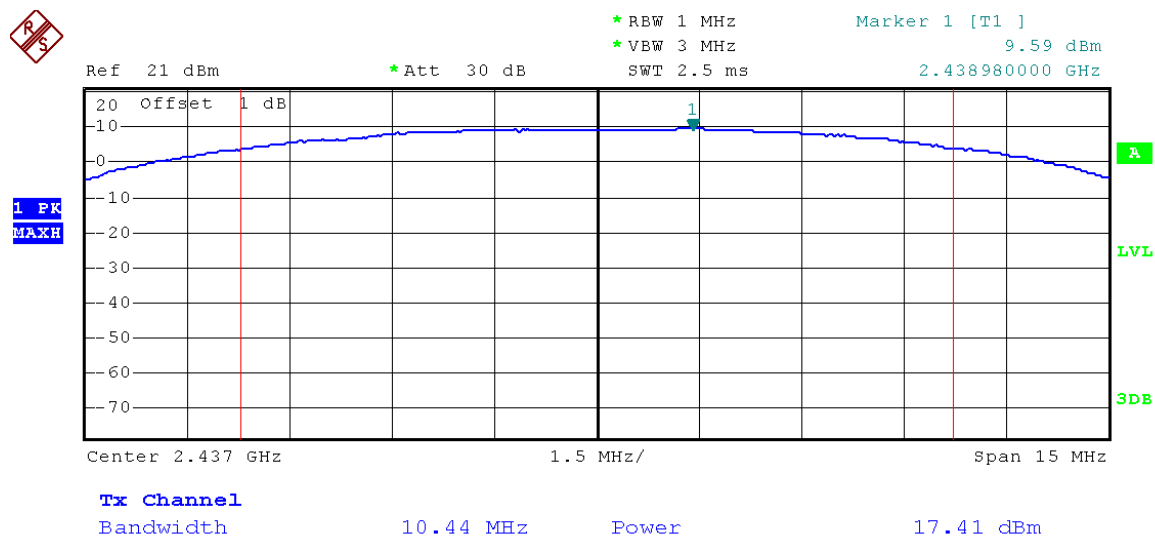
Channel	Frequency (MHz)	Measured Output Peak Power(dBm)	Refer to Plot	Limits (dBm)	Result
6	2437	17.41	Plot 2.2 B	30	PASS
11	2462	17.47	Plot 2.2 C	30	PASS

Note: 1. For 802.11b mode at final test to get the worst-case emission at 11Mbps.
2. The test results including the cable lose.

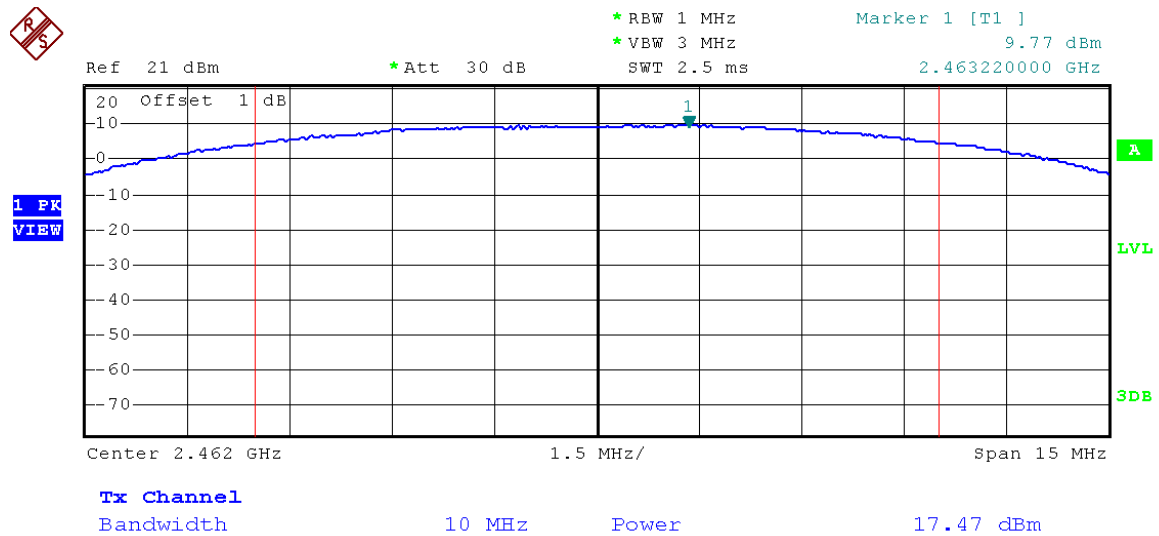
B. Test Plots:



(Plot 2.2 A: Channel 1: 2412MHz @ 802.11b)



(Plot 2.2 B: Channel 6: 2437MHz @ 802.11b)



(Plot 2.2 C: Channel 11: 2462MHz @ 802.11b)

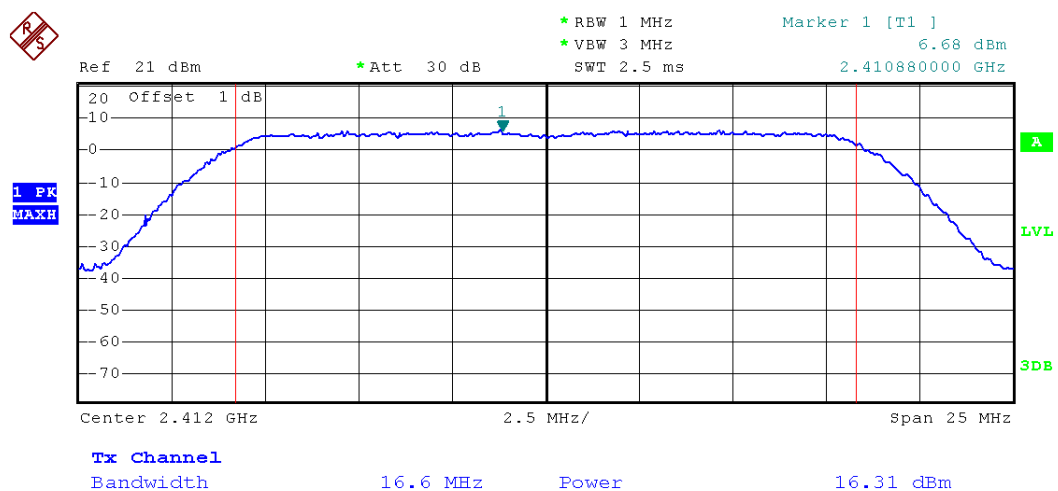
2.2.3.2 802.11g Test mode

A. Test Verdict:

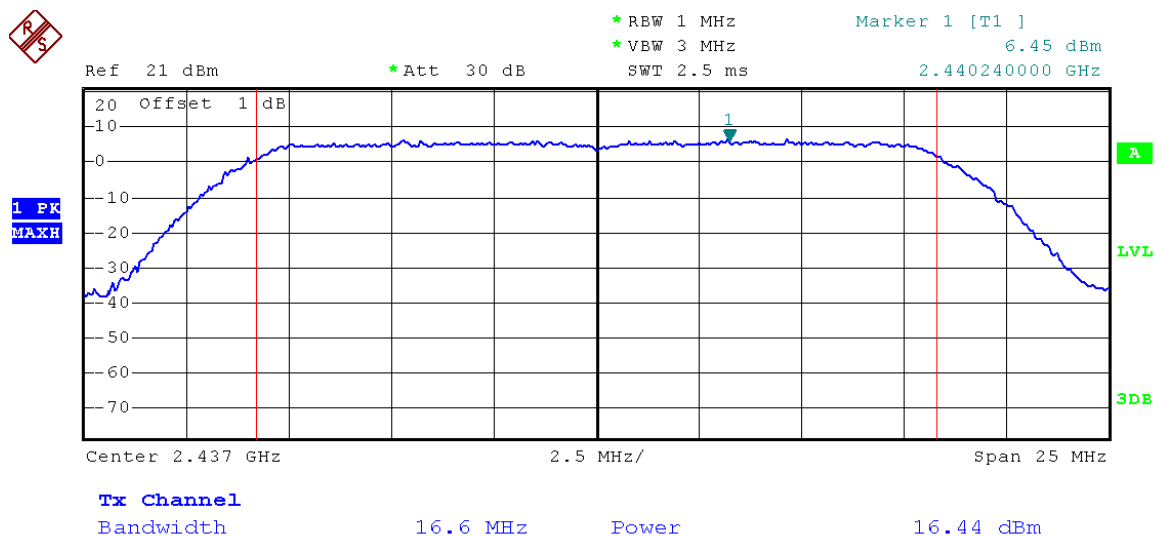
Channel	Frequency (MHz)	Measured Output Peak Power (dBm)	Refer to Plot	Limits (dBm)	Result
1	2412	16.31	Plot 2.2 D	30	PASS
6	2437	16.44	Plot 2.2 E	30	PASS
11	2462	16.39	Plot 2.2 F	30	PASS

Note: 1. For 802.11g mode at final test to get the worst-case emission at 54Mbps.
2. The test results including the cable lose.

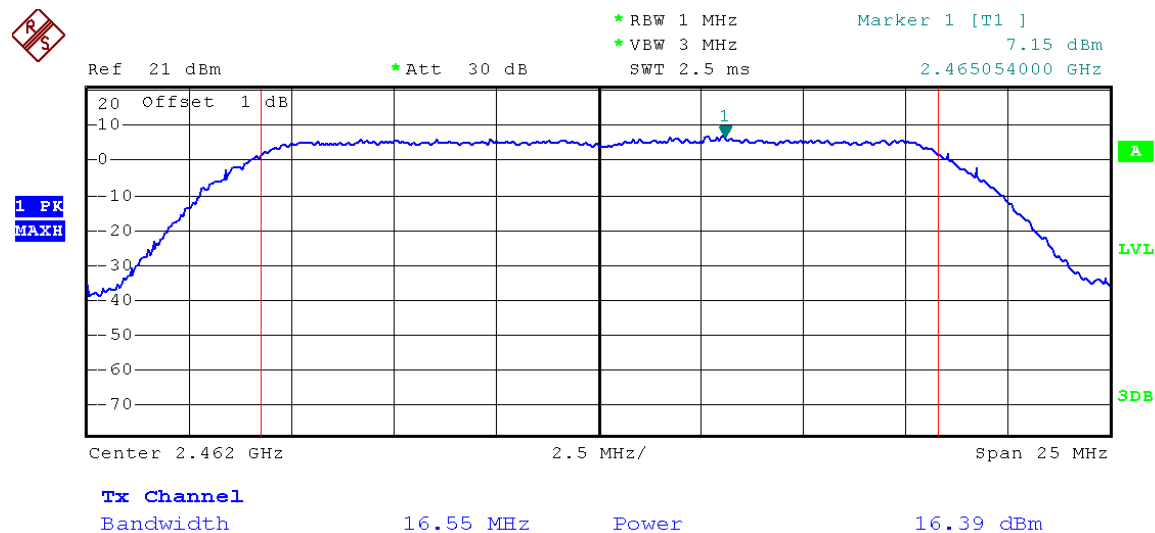
B. Test Plots:



(Plot 2.2 D: Channel 1: 2412MHz @ 802.11g)



(Plot 2.2 E: Channel 6: 2437MHz @ 802.11g)



(Plot 2.2 F: Channel 11: 2462MHz @ 802.11g)

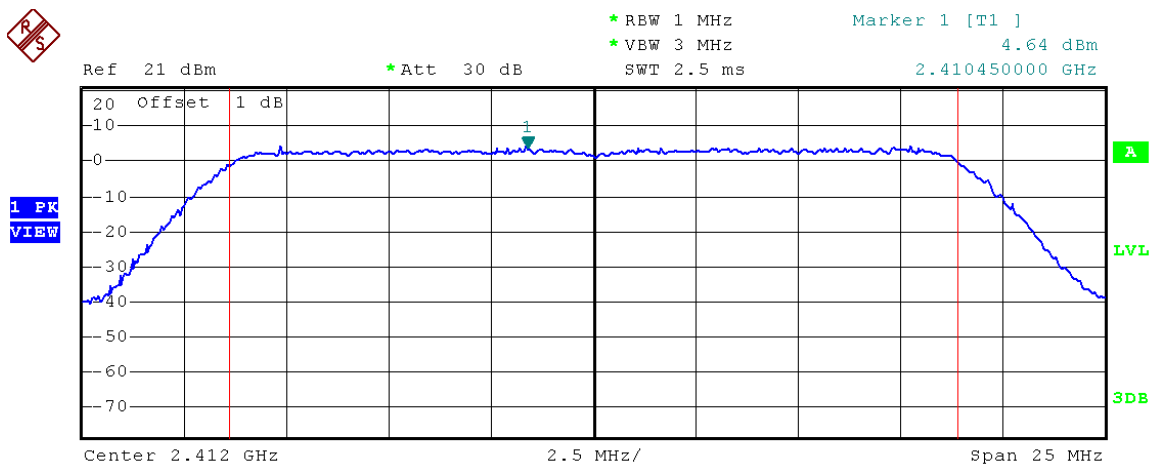
2.2.3.3 802.11n-20MHz Test mode

A. Test Verdict:

Channel	Frequency (MHz)	Measured Output Peak Power(dBm)	Refer to Plot	Limits (dBm)	Result
1	2412	14.48	Plot 2.2 G	30	PASS
6	2437	14.33	Plot 2.2 H	30	PASS
11	2462	14.15	Plot 2.2 I	30	PASS

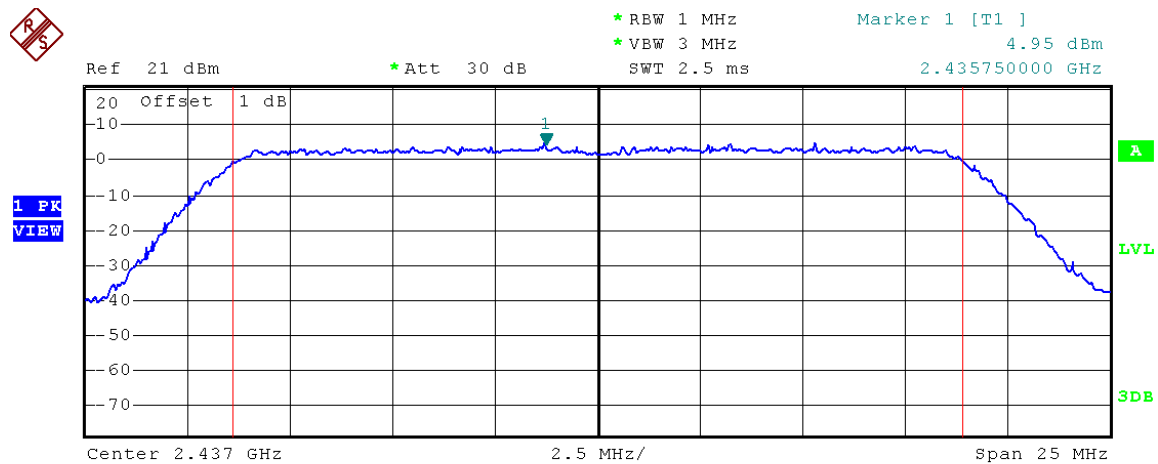
Note: 1. For 802.11n-20 mode at final test to get the worst-case emission at 72Mbps.
2. The test results including the cable lose.

B. Test Plots:



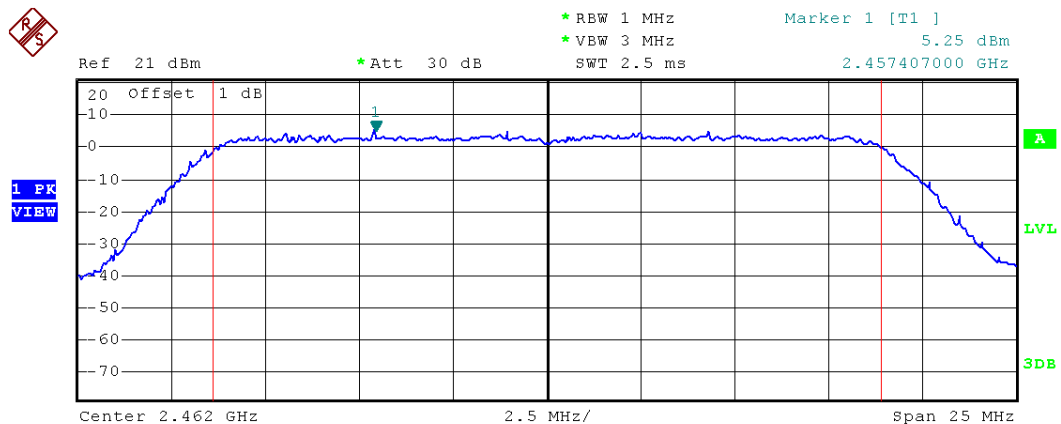
Tx Channel
Bandwidth 17.8 MHz Power 14.48 dBm

(Plot 2.2 G: Channel 1: 2412MHz @ 802.11n20)



Tx Channel
Bandwidth 17.8 MHz Power 14.33 dBm

(Plot 2.2 H: Channel 6: 2437MHz @ 802.11n20)



Tx Channel
Bandwidth 17.8 MHz Power 14.15 dBm

(Plot 2.2 I: Channel 11: 2462MHz @ 802.11n20)

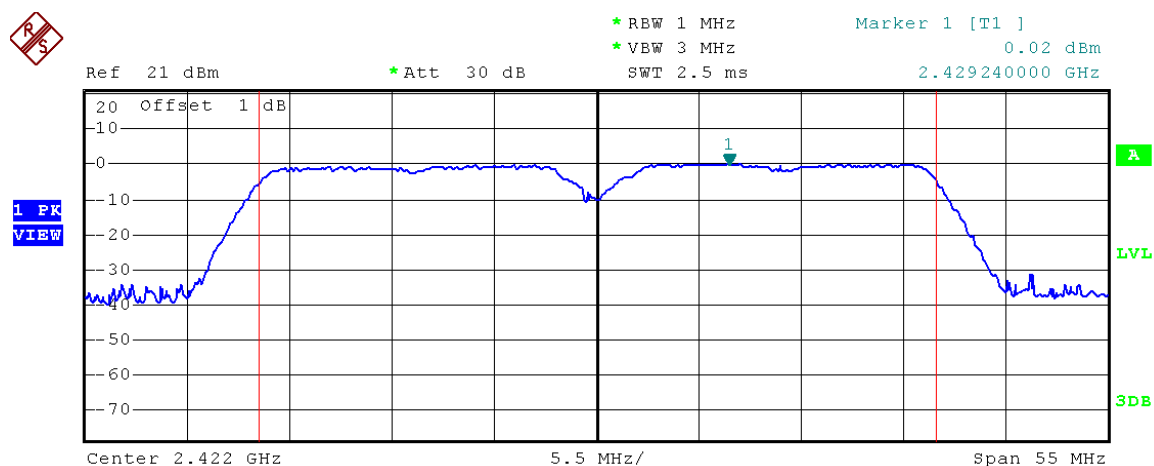
2.2.3.4 802.11n-40MHz Test mode

A. Test Verdict:

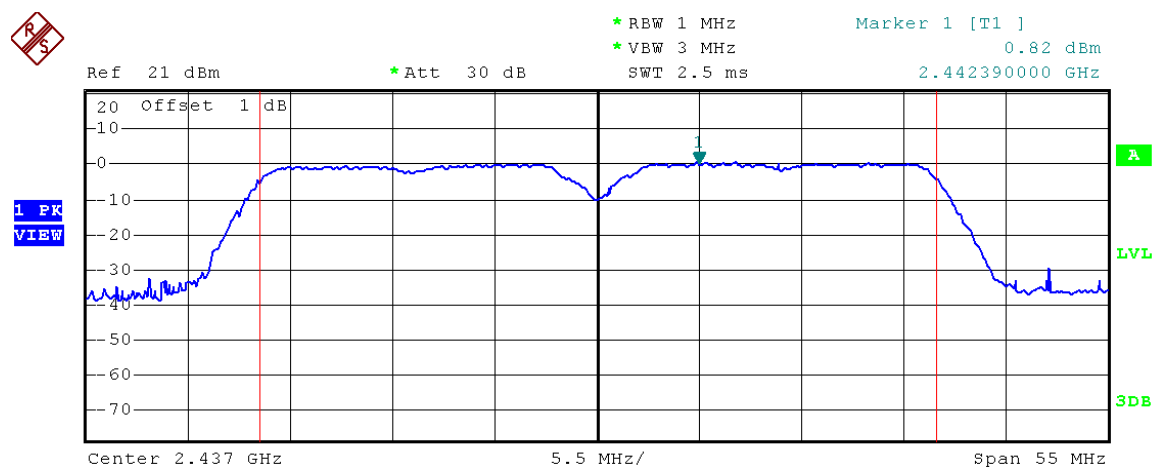
Channel	Frequency (MHz)	Measured Output Peak Power(dBm)	Refer to Plot	Limits (dBm)	Result
3	2422	13.53	Plot 2.2 J	30	PASS
6	2437	13.71	Plot 2.2 K	30	PASS
9	2452	13.75	Plot 2.2 L	30	PASS

Note: 1. For 802.11n-40 mode at final test to get the worst-case emission at 150Mbps.
2. The test results including the cable lose.

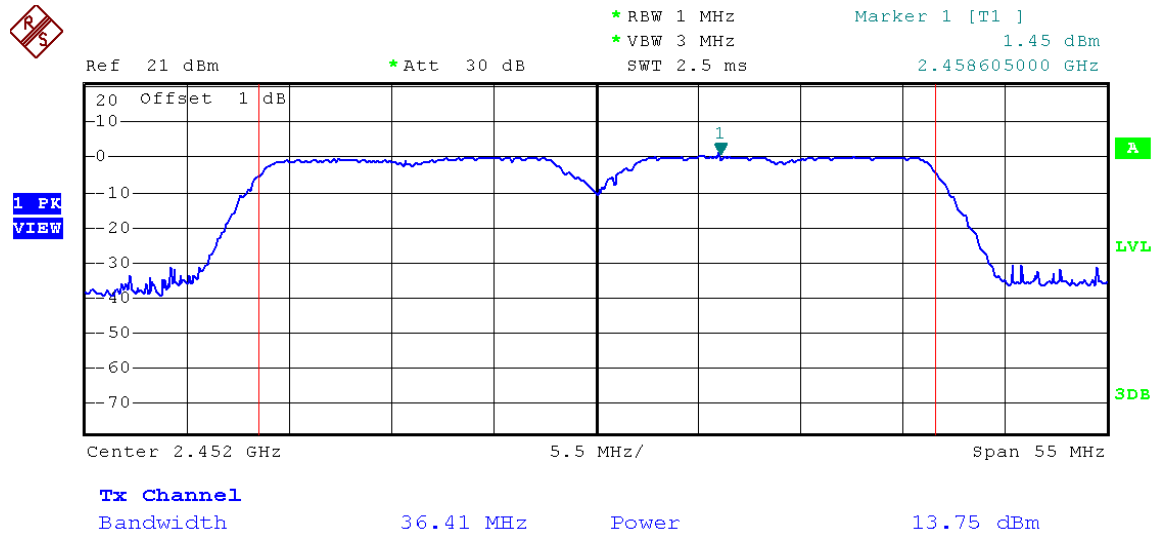
B. Test Plots:



(Plot 2.2 J: Channel 3: 2422MHz @ 802.11n40)



(Plot 2.2 K: Channel 6: 2437MHz @ 802.11n40)



(Plot 2.2 L: Channel 9: 2452MHz @ 802.11n40)

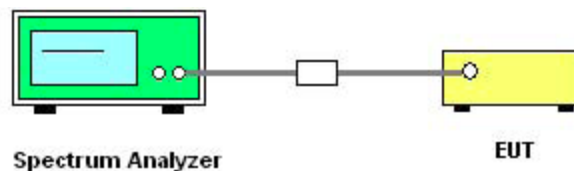
2.3 Bandwidth

2.3.1 Requirement

According to FCC section 15.247(a) (2), 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.

2.3.2 Test Description

A. Test Set:



The EUT which is powered by the Battery, is coupled to the Spectrum Analyzer; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss and Atten as the factor is calibrated to correct the reading.

Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. In order to make an accurate measurement, set the span greater than RBW.

B. Equipments List:

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal.Due Date
Spectrum Analyzer	R&S	FSP40	1164.4391.40	2013.07.26	2014.07.25

2.3.3 Test Result

The lowest, middle and highest channels are selected to perform testing to record the 6 dB bandwidth of the Module.



A. Test Verdict:

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Refer to Plot	Limits(kHz)	Result
1	2412	10.40	Plot 2.3 A	≥500	PASS
6	2437	10.44	Plot 2.3 B	≥500	PASS
11	2462	10.00	Plot 2.3 C	≥500	PASS

The screenshot displays a Spectrum Analyzer interface. At the top, a red diamond logo with 'RS' is visible. The main display area shows a blue signal trace on a grid. Two markers are placed on the trace: Marker 1 at 2.406920000 GHz and Marker 2 at 2.411720000 GHz. A red horizontal line is drawn across the trace at -3.2 dB, labeled 'D1 -3.2 dB'. The trace shows a peak at the center frequency, with the signal level decreasing as frequency moves away from the center. The bottom of the screen shows the center frequency (2.412 GHz), span (20 MHz), and resolution bandwidth (100 kHz).

Ref 20 dBm *Att 30 dB SWT 2.5 ms 2.411720000 GHz

Marker 2 [T1] 2.80 dBm

*RBW 100 kHz 2.406920000 GHz

*VBW 300 kHz

Offset 1 dB

Marker 1 [T1] -3.10 dBm

Delta 1 [T1] 0.11 dB

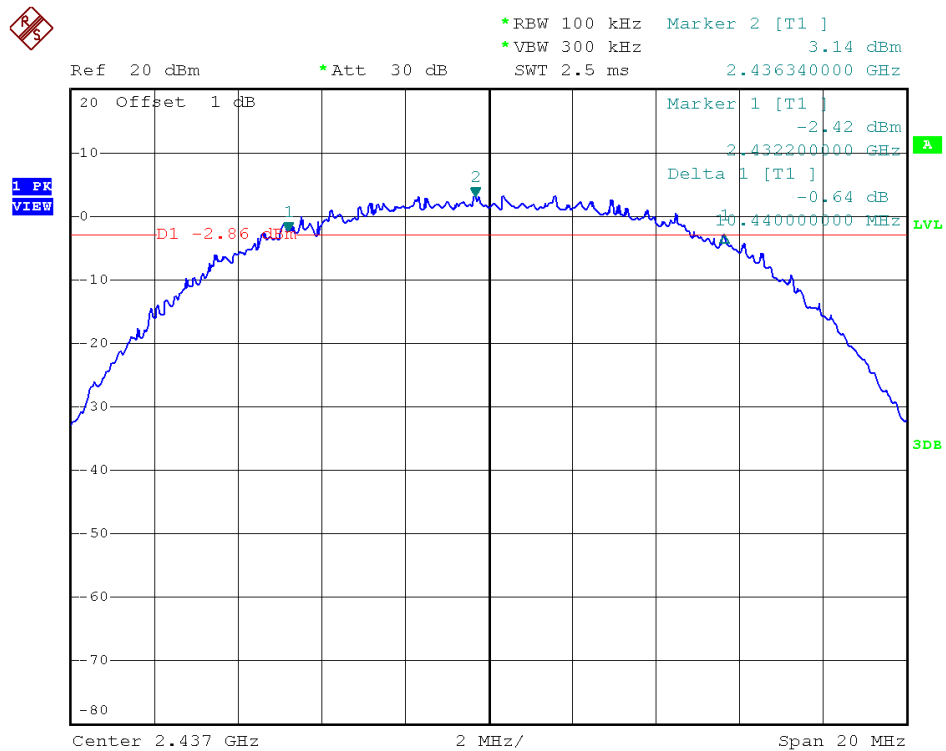
D1 -3.2 dB

2.406920000 GHz

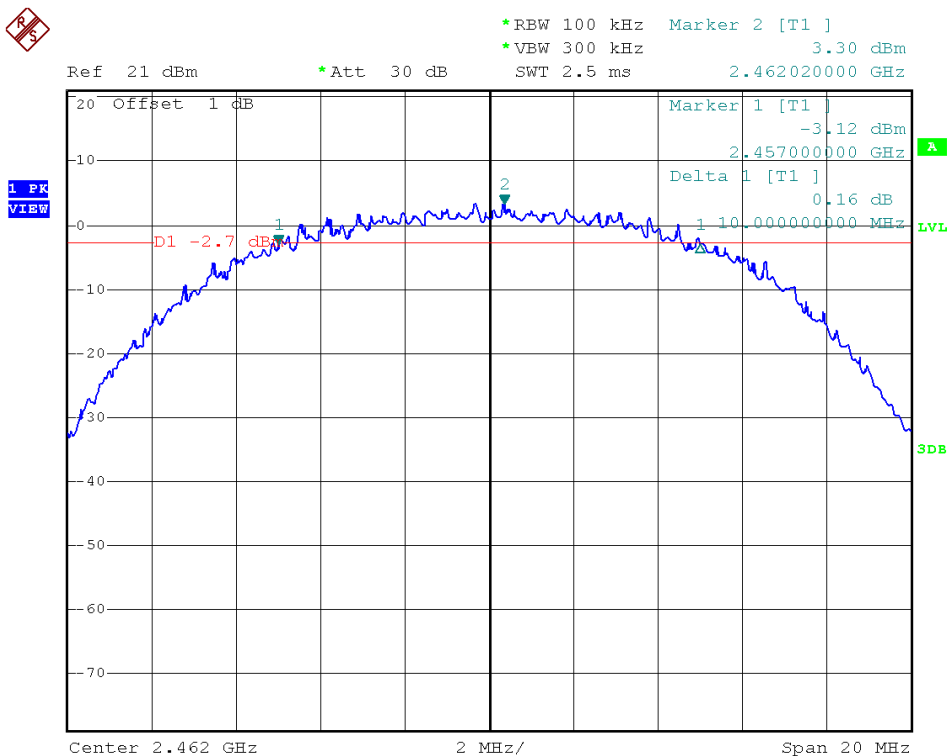
2.411720000 GHz

Center 2.412 GHz 2 MHz/ Span 20 MHz

(Plot 2.3 A: Channel 1: 2412MHz @ 802.11b)



(Plot 2.3 B: Channel 6: 2437 MHz @ 802.11b)



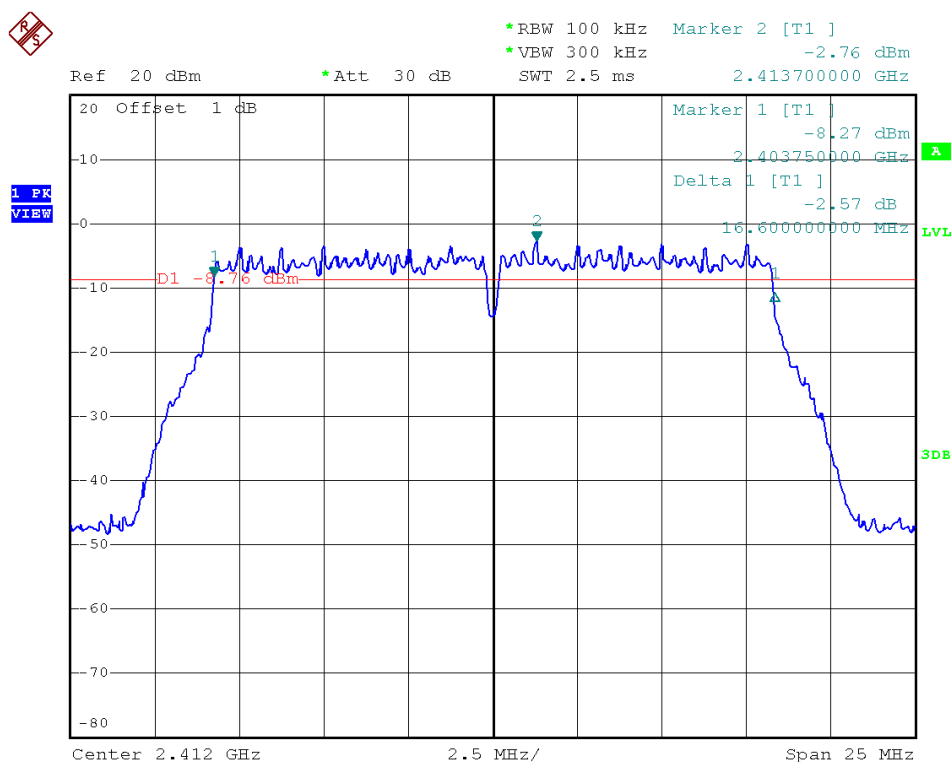
(Plot 2.3 C: Channel 11: 2462MHz @ 802.11b)

2.3.3.2 802.11g Test mode

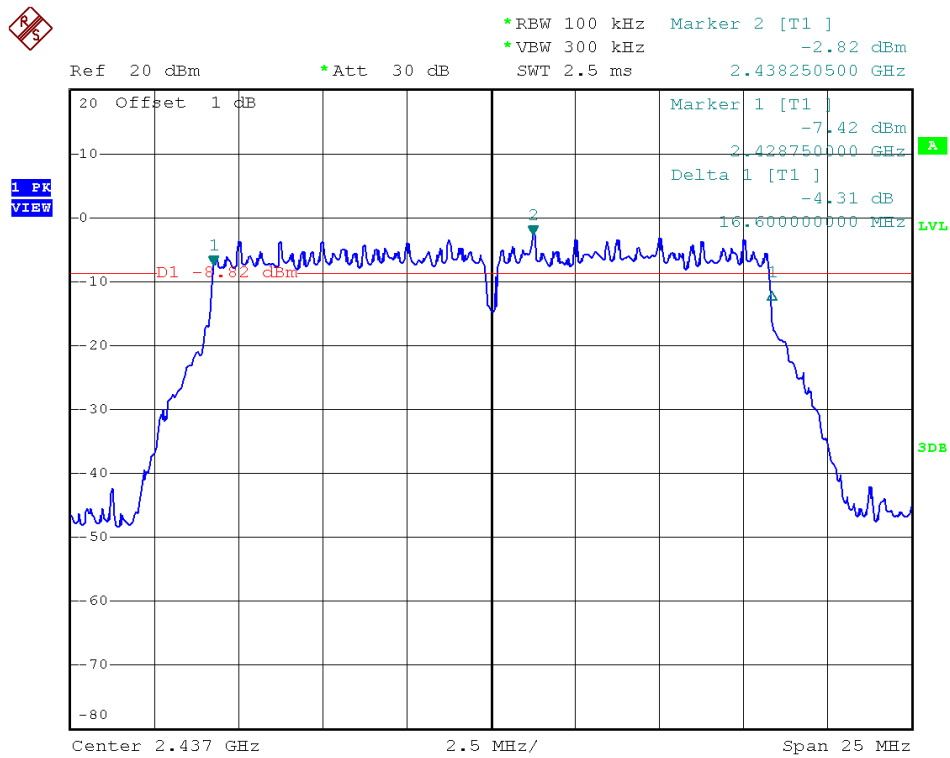
A. Test Verdict:

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Refer to Plot	Limits (kHz)	Result
1	2412	16.60	Plot 2.3 D	≥ 500	PASS
6	2437	16.60	Plot 2.3 E	≥ 500	PASS
11	2462	16.55	Plot 2.3 F	≥ 500	PASS

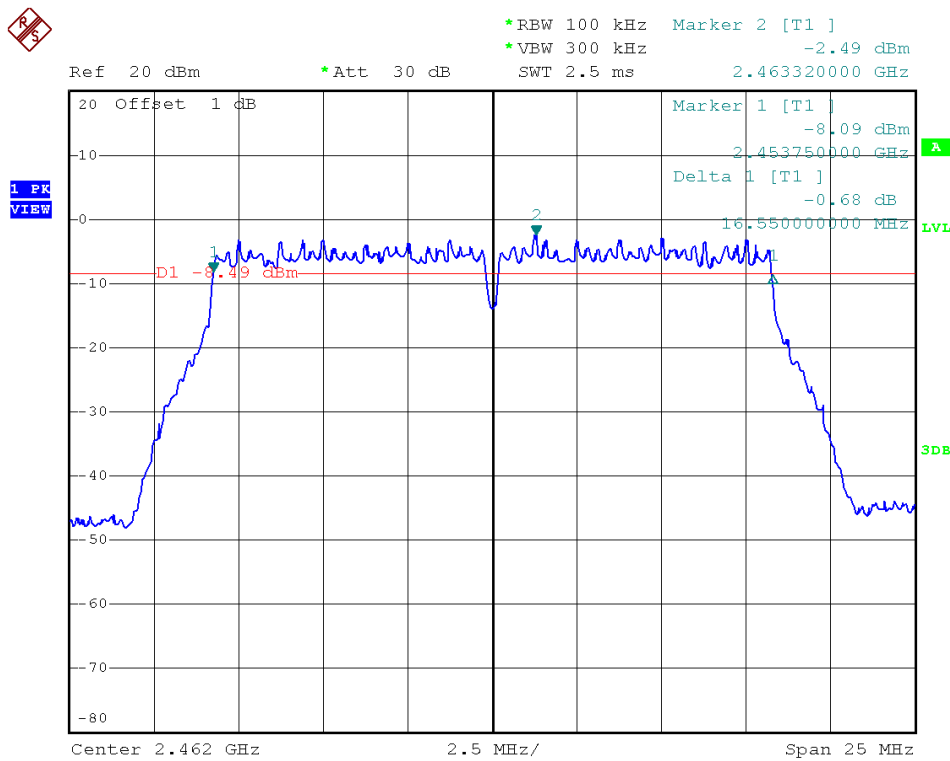
B. Test Plots:



(Plot 2.3 D: Channel 1: 2412MHz @ 802.11g)



(Plot 2.3 E: Channel 6: 2437MHz @ 802.11g)



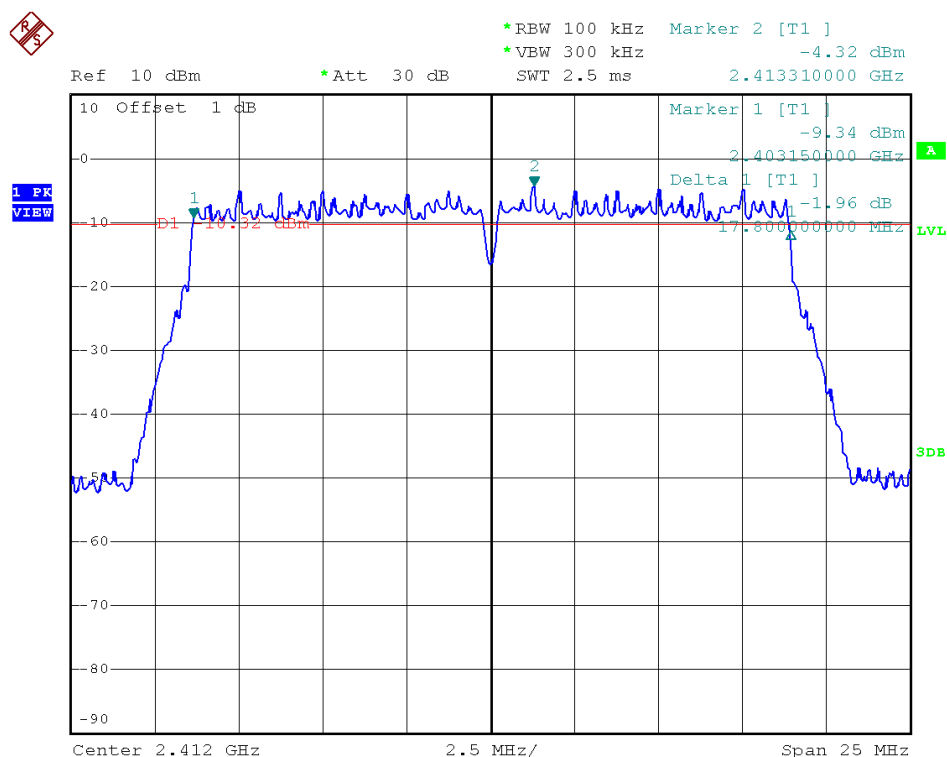
(Plot 2.3 F: Channel 11: 2462MHz @ 802.11g)

2.3.3.3 802.11n-20 Test mode

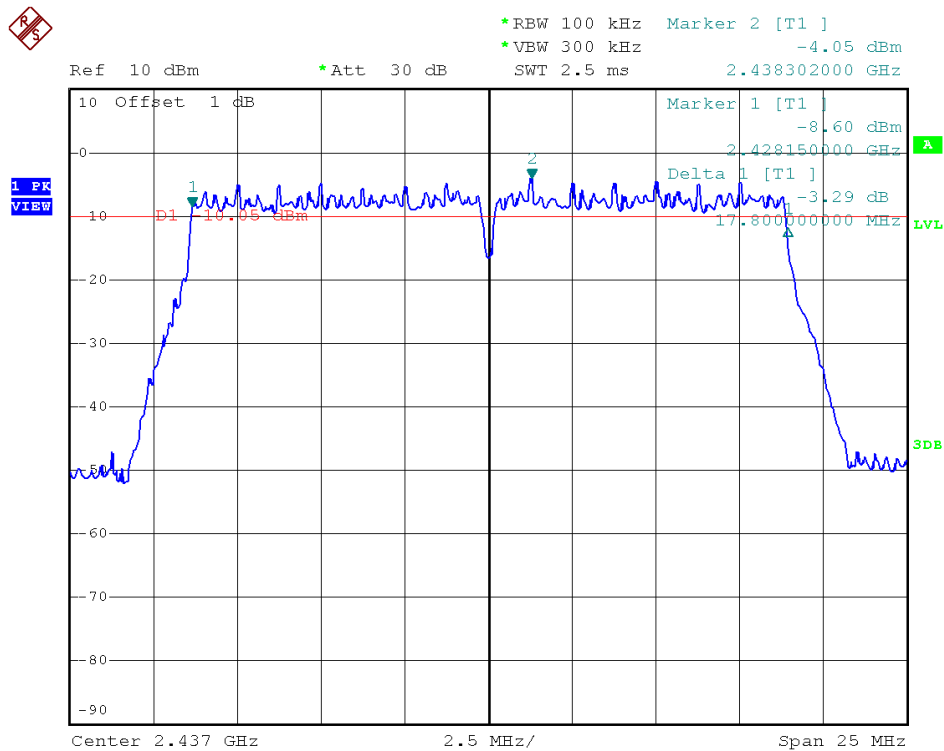
A. Test Verdict:

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Refer to Plot	Limits (kHz)	Result
1	2412	17.80	Plot 2.3 G	≥ 500	PASS
6	2437	17.80	Plot 2.3 H	≥ 500	PASS
11	2462	17.80	Plot 2.3 I	≥ 500	PASS

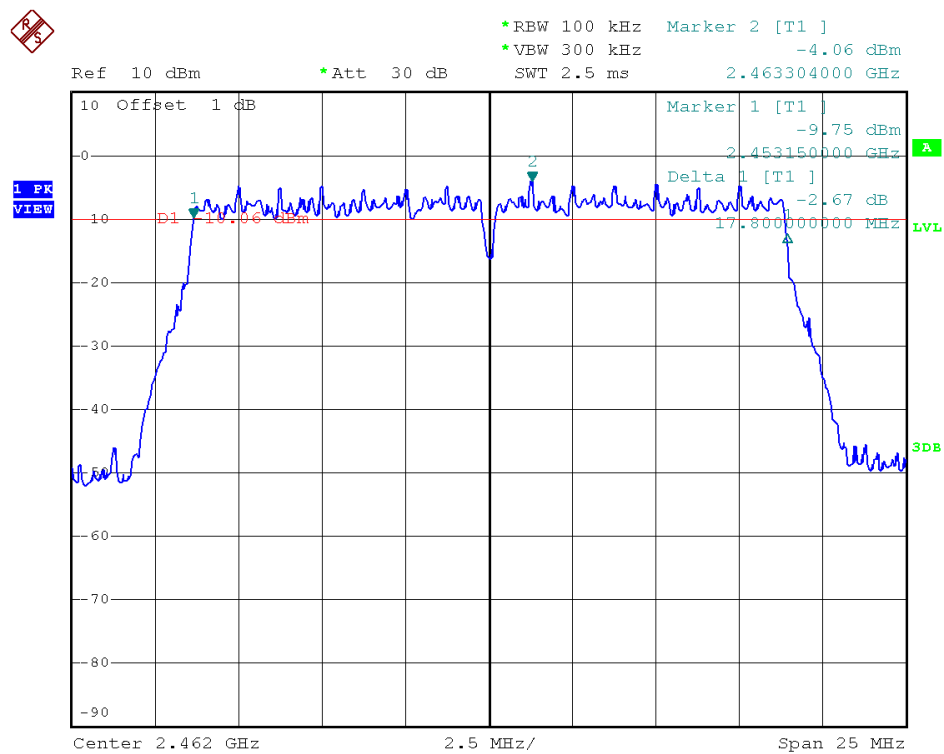
B. Test Plots:



(Plot 2.3 G: Channel 1: 2412MHz @ 802.11n-20)



(Plot 2.3 H: Channel 6: 2437MHz @ 802.11n-20)



(Plot 2.3 I: Channel 11: 2462MHz @ 802.11n-20)



A. Test Verdict:

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Refer to Plot	Limits (kHz)	Result
1	2412	36.41	Plot 2.3 J	≥500	PASS
6	2437	36.41	Plot 2.3 K	≥500	PASS
11	2462	36.41	Plot 2.3 L	≥500	PASS

Ref 10 dBm *Att 30 dB SWT 10 ms

*RBW 100 kHz *VBW 300 kHz

Marker 2 [T1] -7.92 dBm

2.419410000 GHz

10 Offset 1 dB

Marker 1 [T1] -13.66 dBm

2.403850000 GHz

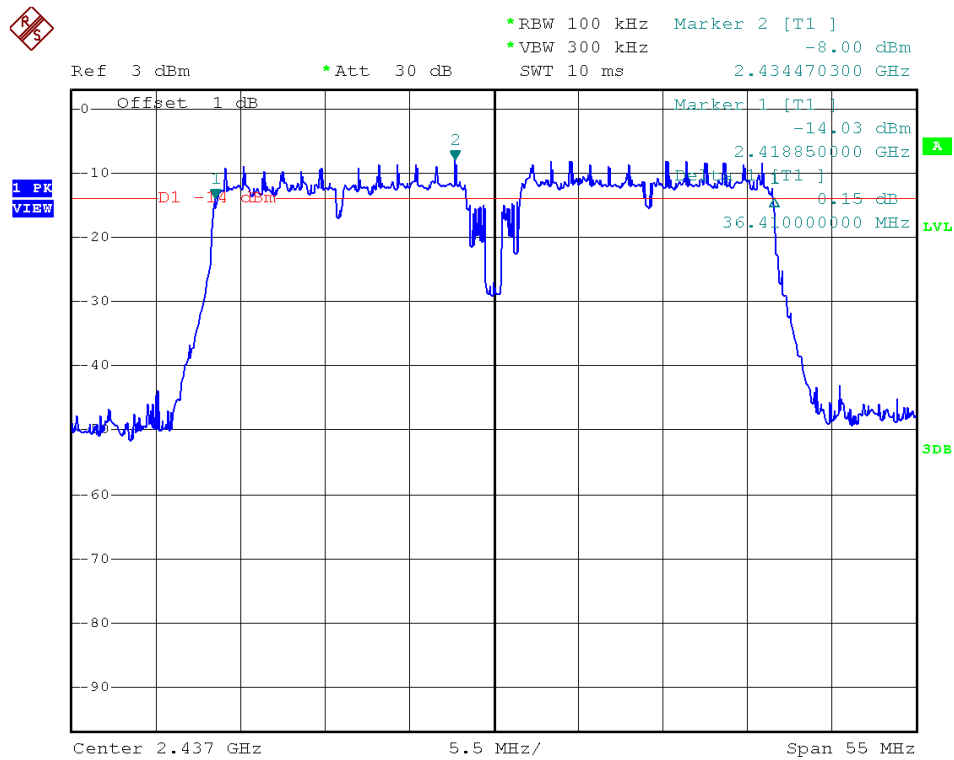
Delta 1 [T1] -0.27 dB

2.410000000 MHz

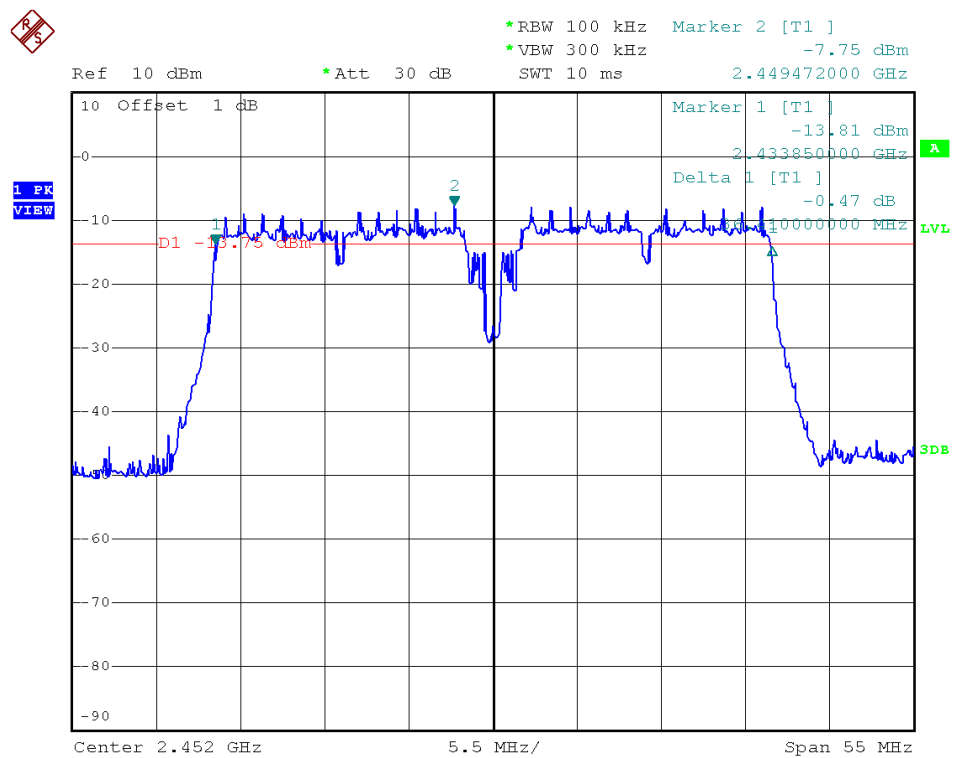
D1 -13.92 dBm

Center 2.422 GHz 5.5 MHz/ Span 55 MHz

(Plot 2.3 J: Channel 3: 2422MHz @ 802.11n-40)



(Plot 2.3 K: Channel 6: 2437MHz @ 802.11n-40)



(Plot 2.3 L: Channel 9: 2452MHz @ 802.11n-40)

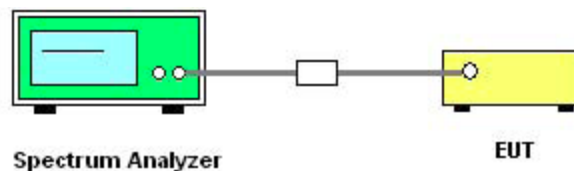
2.4 Conducted Spurious Emissions

2.4.1 Requirement

According to FCC section 15.247(c), in any 100kHz 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 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.

2.4.2 Test Description

A. Test Set:



The EUT which is powered by the Battery, is coupled to the Spectrum Analyzer; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss and Atten as the factor is calibrated to correct the reading.

Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. In order to make an accurate measurement, set the span greater than RBW.

B. Equipments List:

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal.Due Date
Spectrum Analyzer	R&S	FSP40	1164.4391.40	2013.07.26	2014.07.25

2.4.3 Test Result

The measurement frequency range is from 30MHz to the 10th harmonic of the fundamental frequency. The lowest, middle and highest channels are tested to verify the spurious emissions.

2.4.3.1 802.11b Test mode

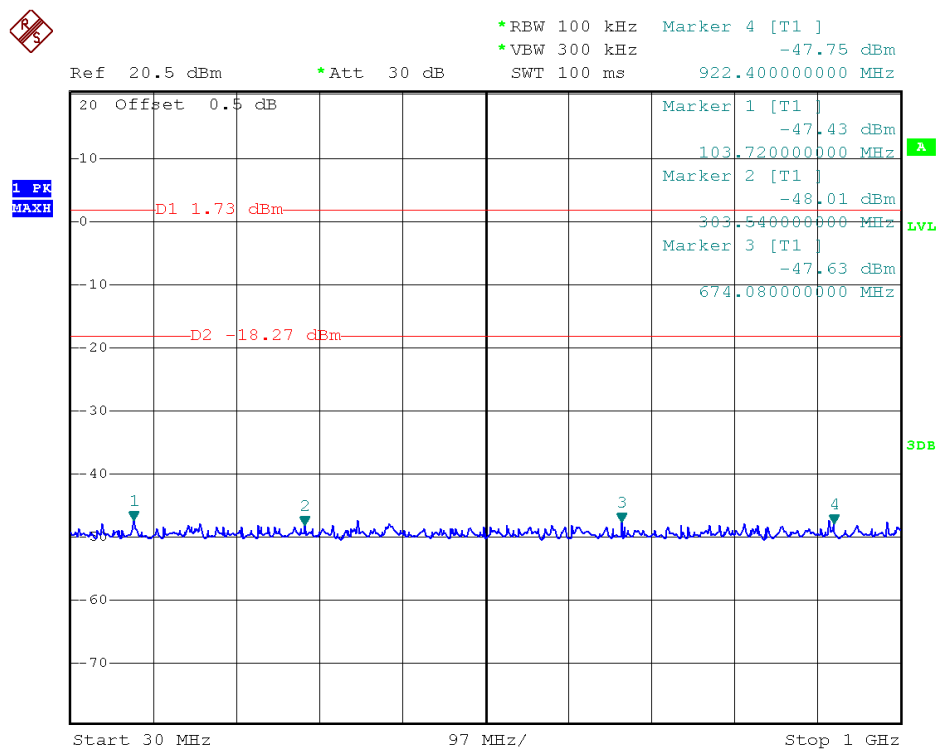
A. Test Verdict:

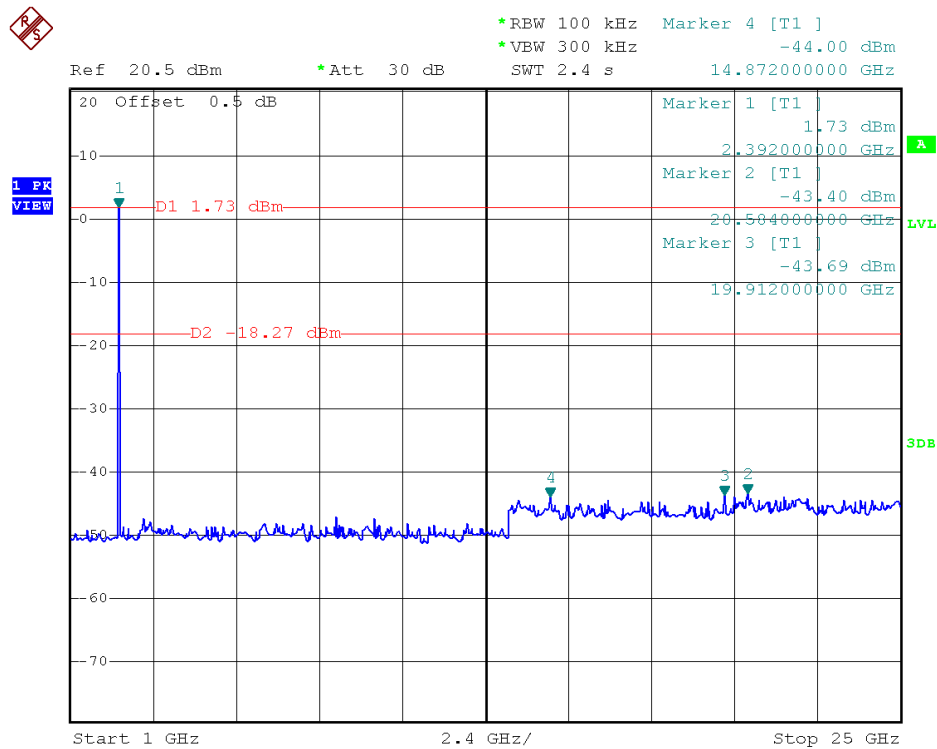


Channel	Frequency (MHz)	Refer to Plot	Limit (dBc)	Verdict
1	2412	Plot 2.4 A	-20	PASS
6	2437	Plot 2.4 B	-20	PASS
11	2462	Plot 2.4 C	-20	PASS

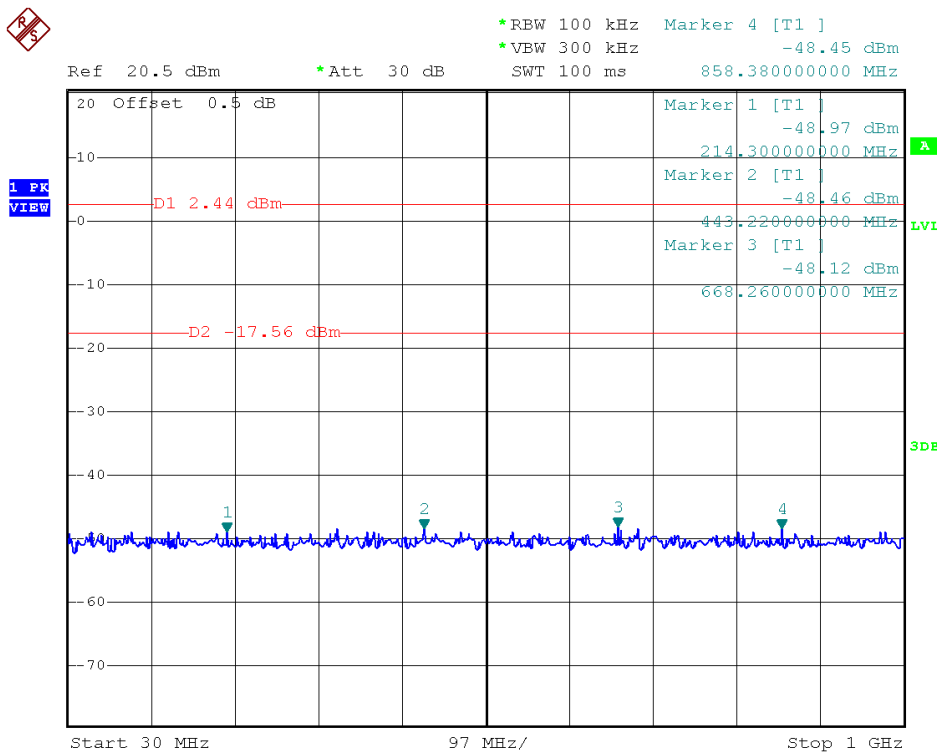
B. Test Plots:

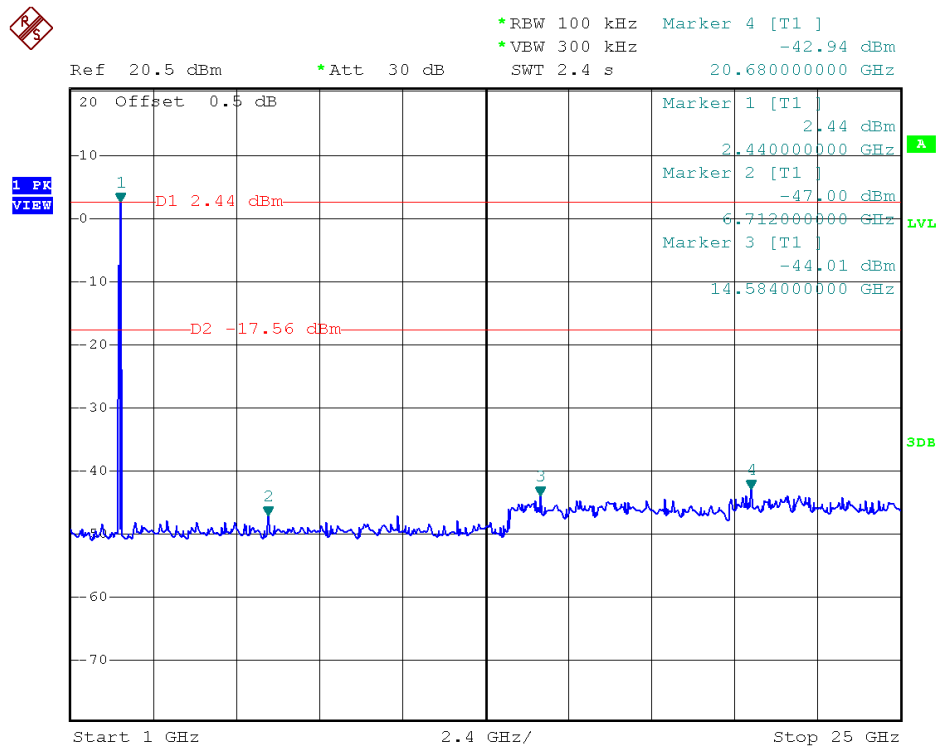
Note: the power of the Module transmitting frequency should be ignored.



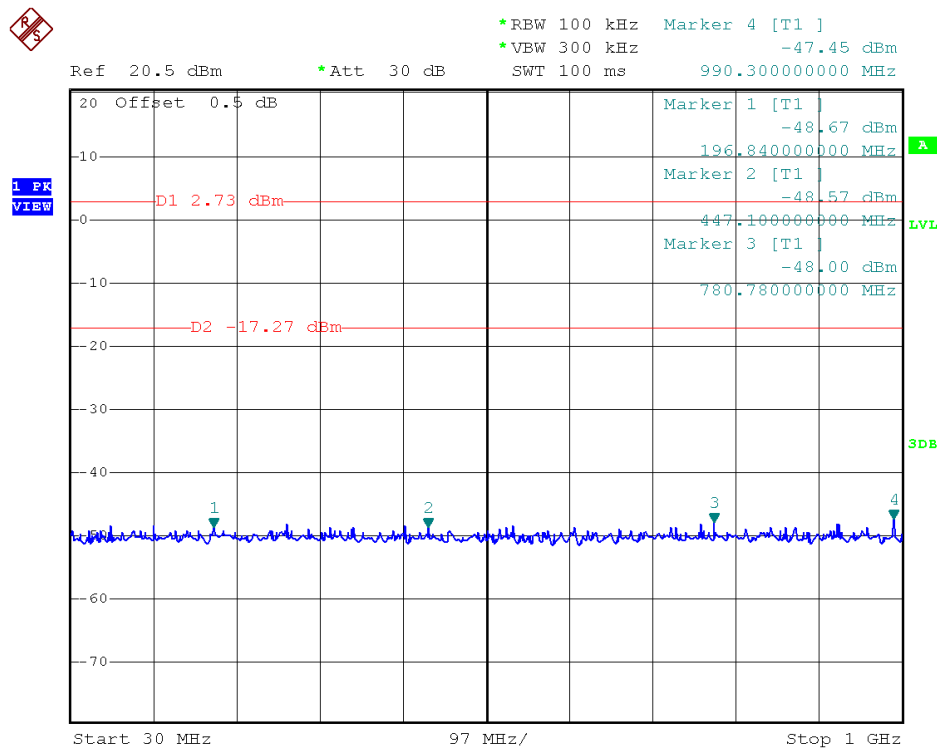


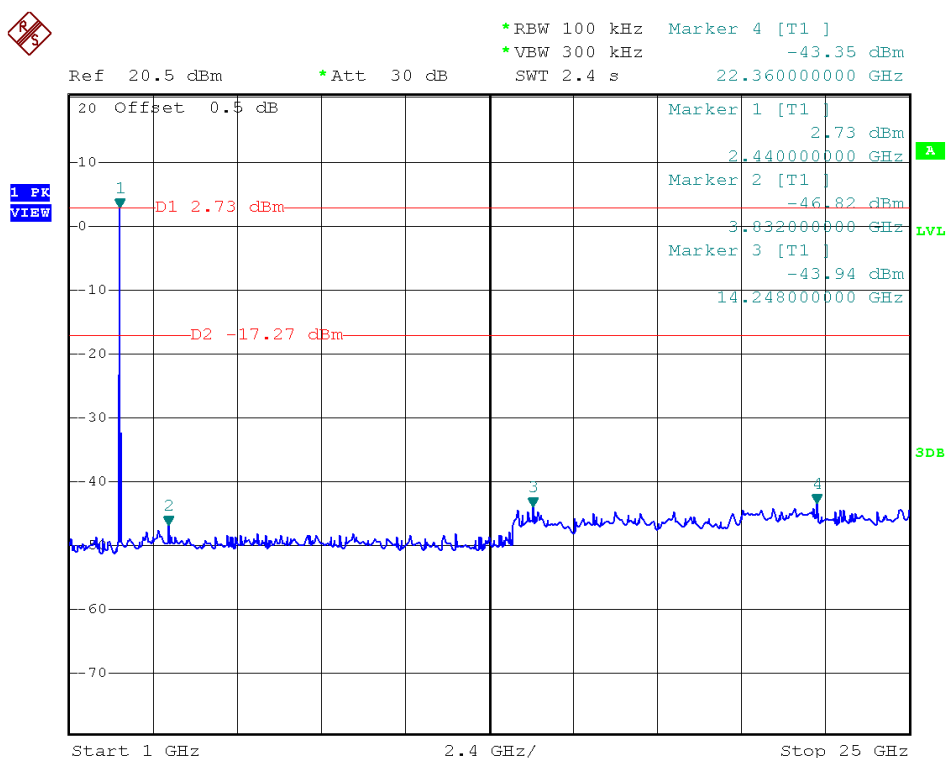
(Plot 2.4 A: Channel = 1, 30MHz to 25GHz@ 802.11b)





(Plot 2.4 B: Channel = 6, 30MHz to 25GHz@ 802.11b)





(Plot 2.4 C: Channel = 11, 30MHz to 25GHz@ 802.11b)

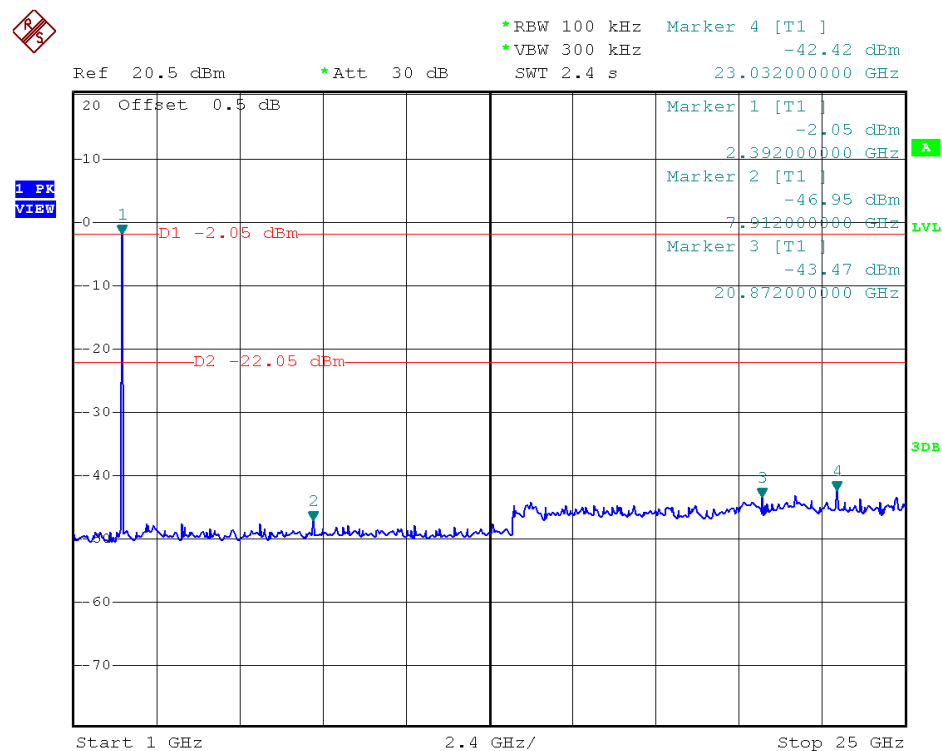
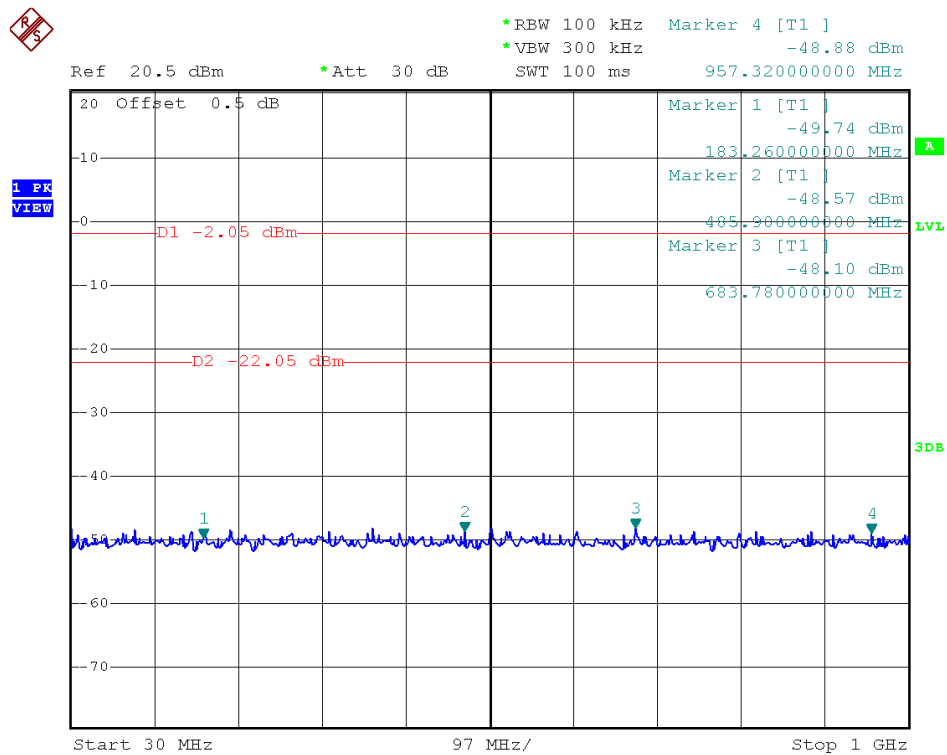
2.4.3.2 802.11g Test mode

A. Test Verdict:

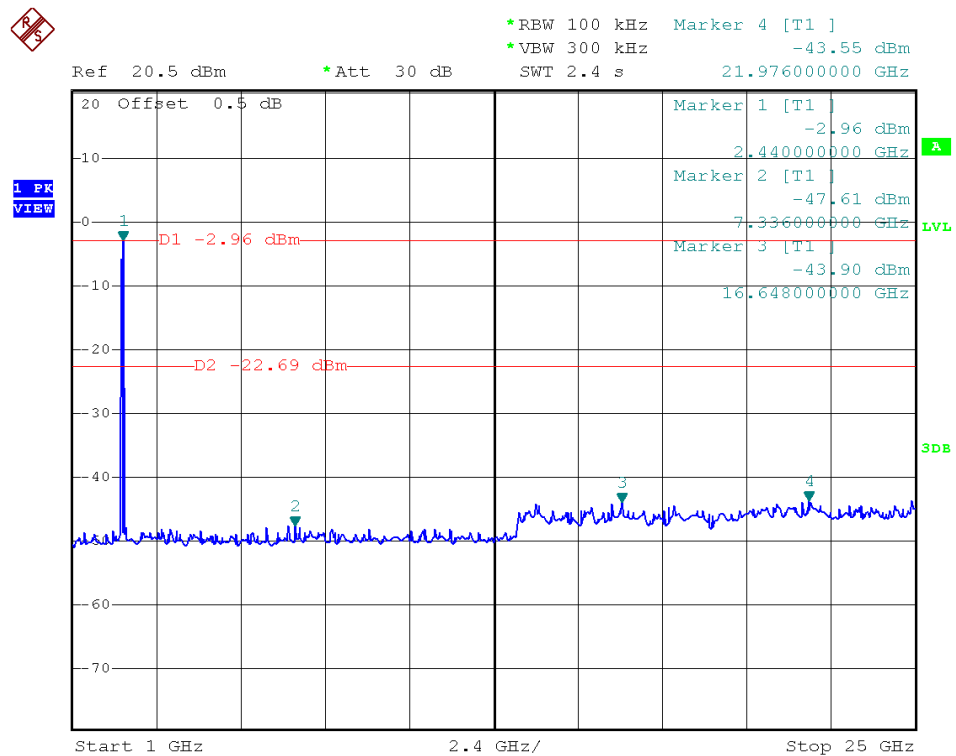
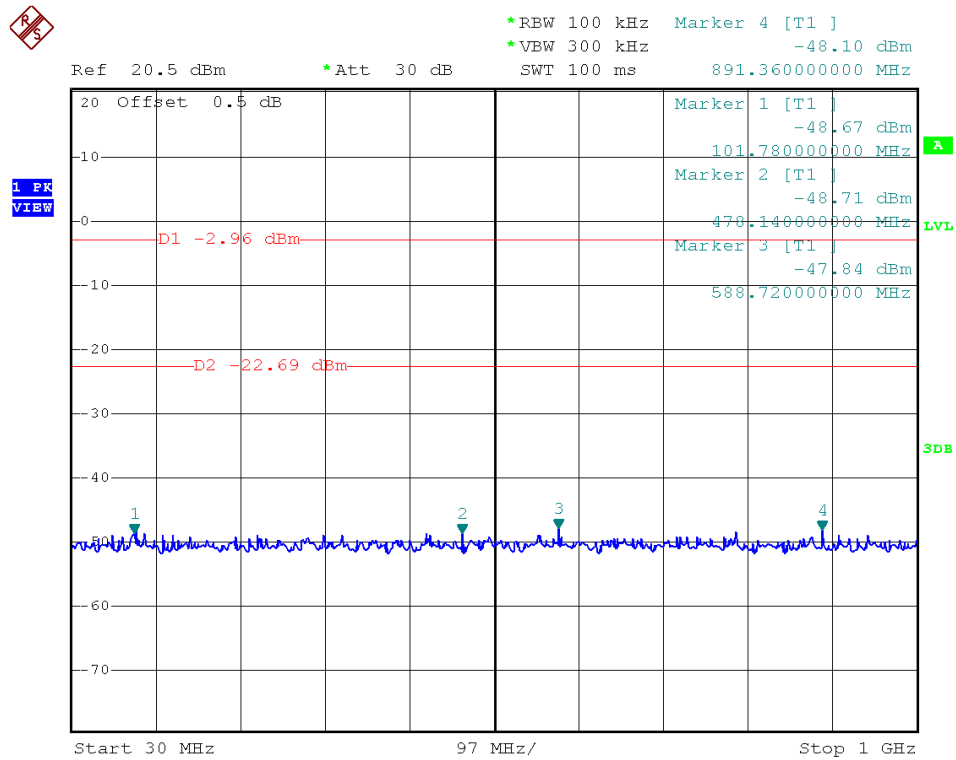
Channel	Frequency (MHz)	Refer to Plot	Limit (dBc)	Verdict
1	2412	Plot 2.4 D	-20	PASS
6	2437	Plot 2.4 E	-20	PASS
11	2462	Plot 2.4 F	-20	PASS

B. Test Plots:

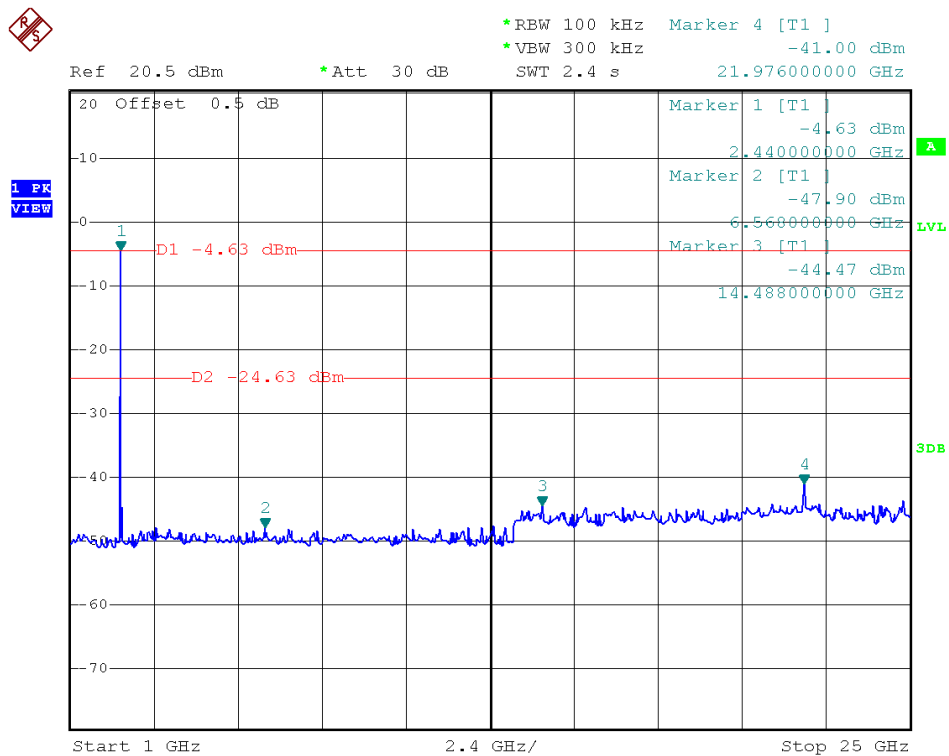
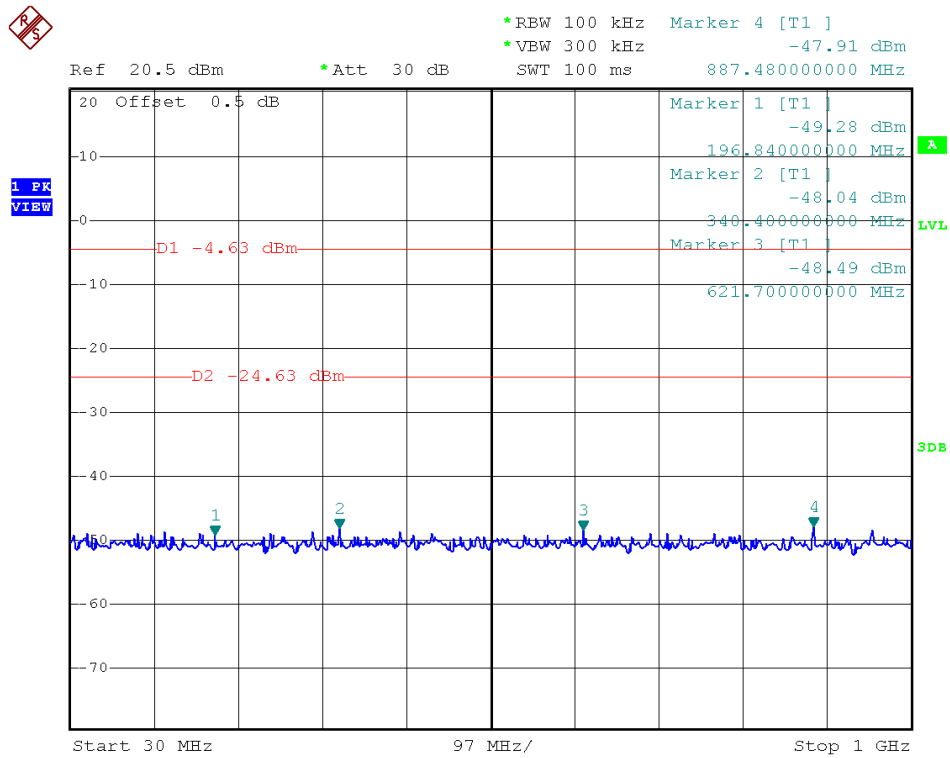
Note: the power of the Module transmitting frequency should be ignored.



(Plot 2.4 D: Channel = 1, 30MHz to 25GHz@ 802.11g)



(Plot 2.4 E: Channel = 6, 30MHz to 25GHz@ 802.11g)



(Plot 2.4 F: Channel = 11, 30MHz to 25GHz@ 802.11g)

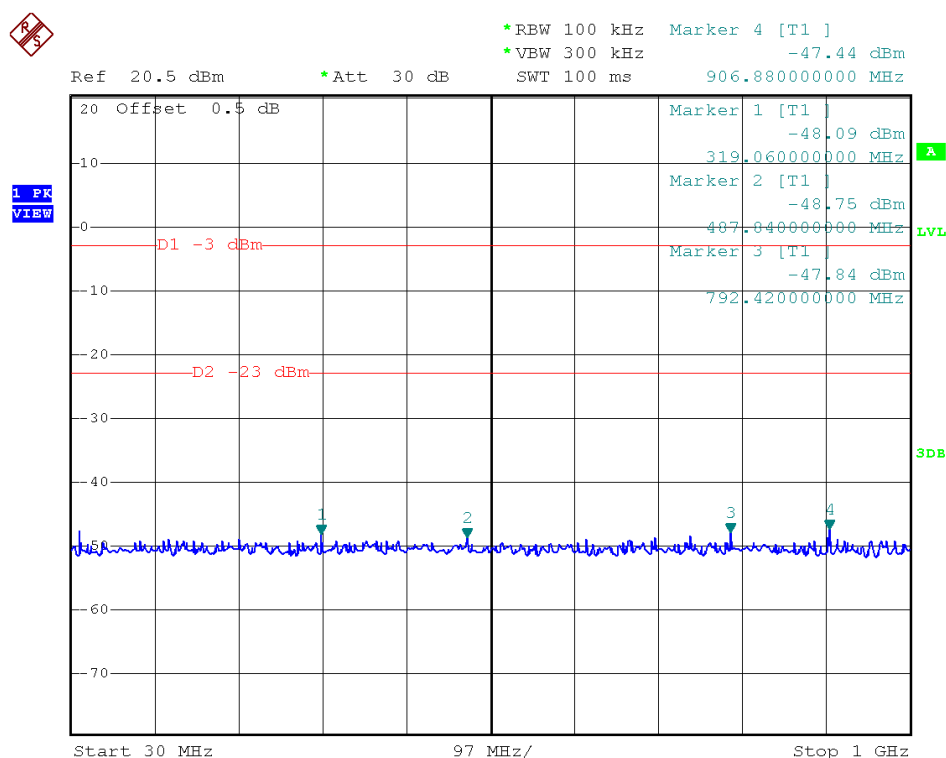
2.4.3.3 802.11n -20MHz Test mode

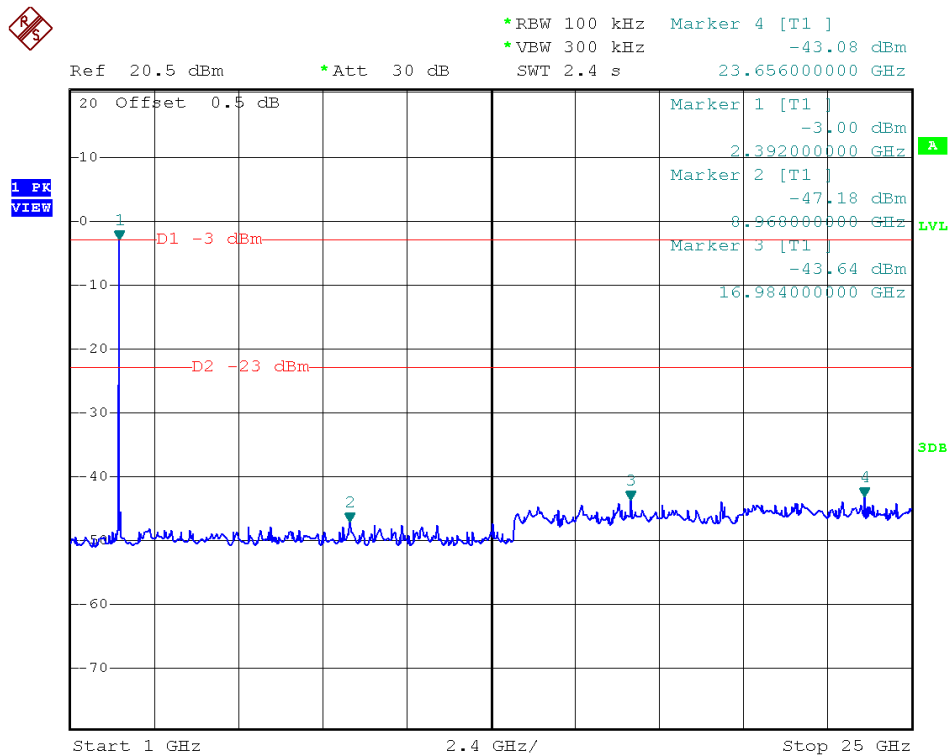
A. Test Verdict:

Channel	Frequency (MHz)	Refer to Plot	Limit (dBc)	Verdict
1	2412	Plot 2.4 G	-20	PASS
6	2437	Plot 2.4 H	-20	PASS
11	2462	Plot 2.4 I	-20	PASS

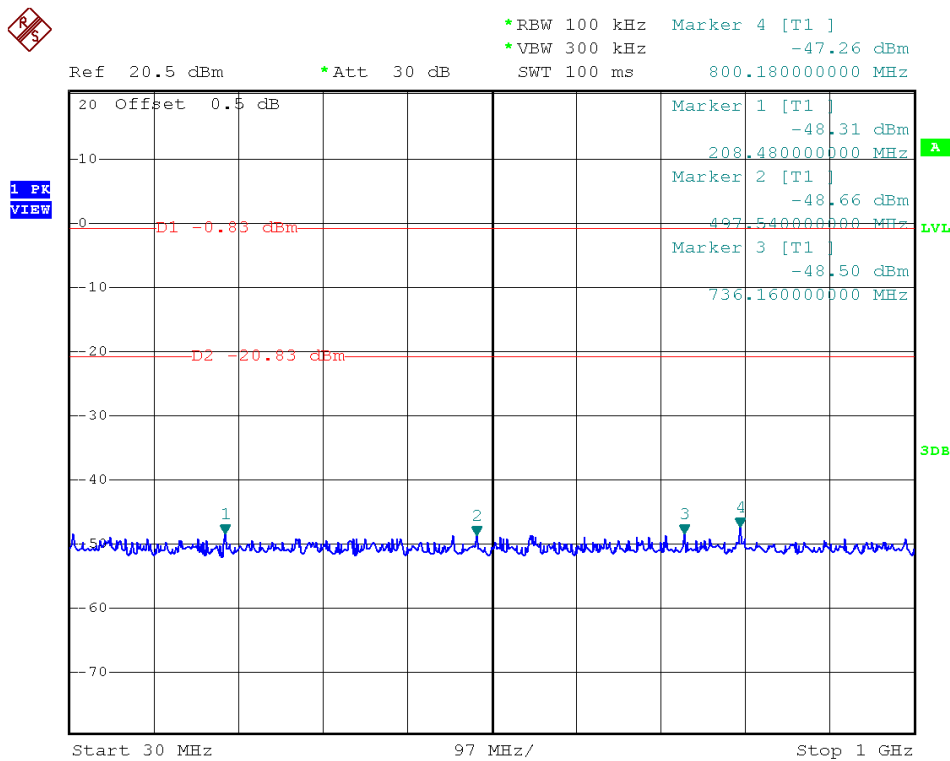
B. Test Plots:

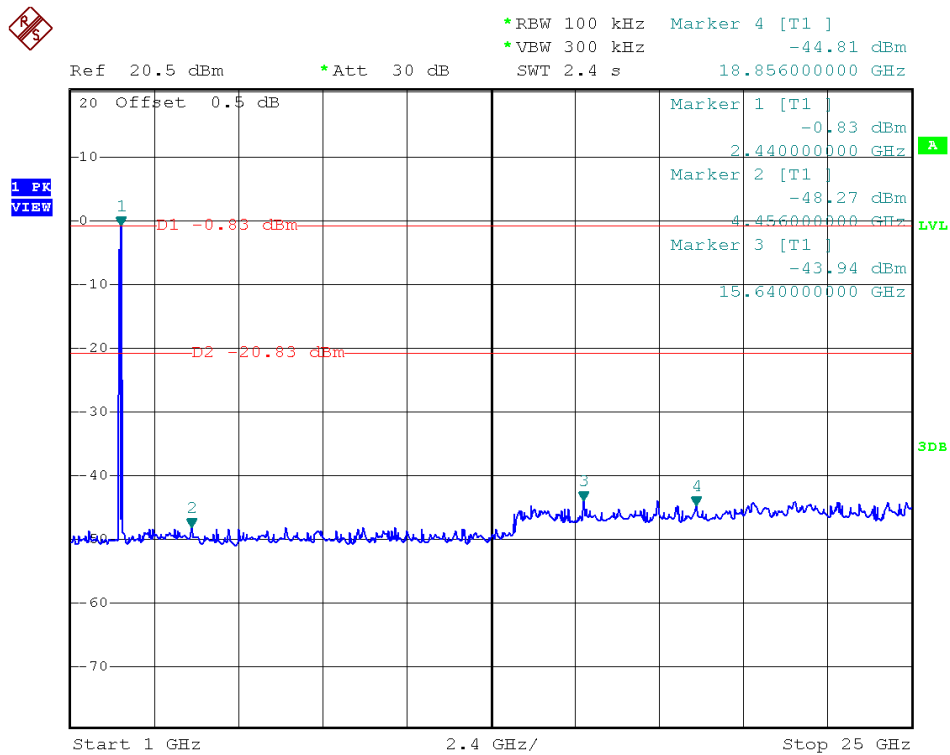
Note: the power of the Module transmitting frequency should be ignored.



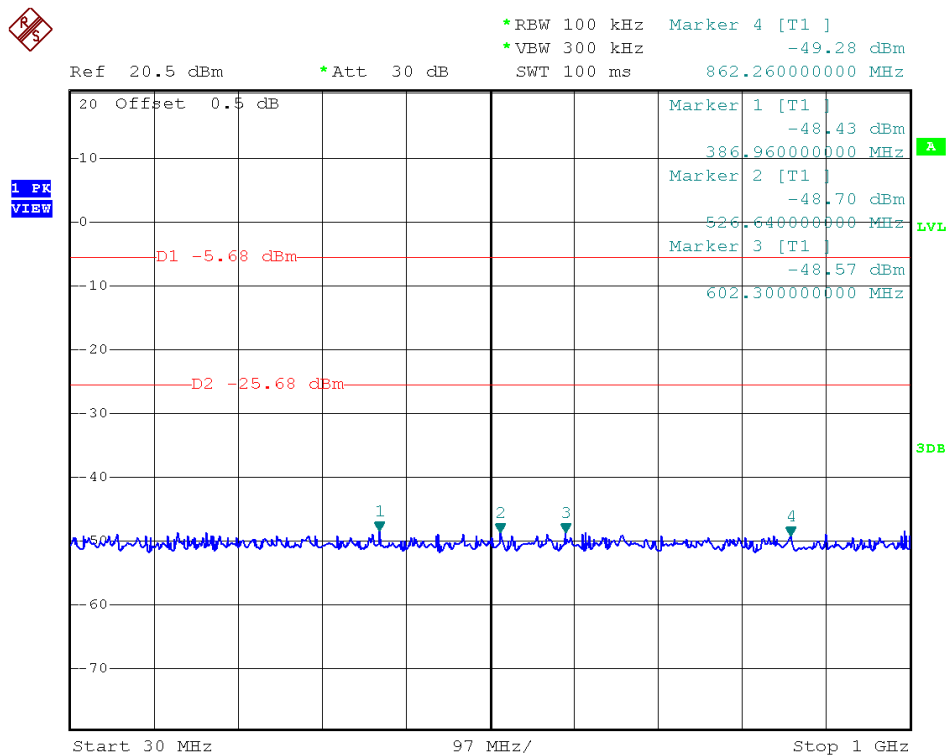


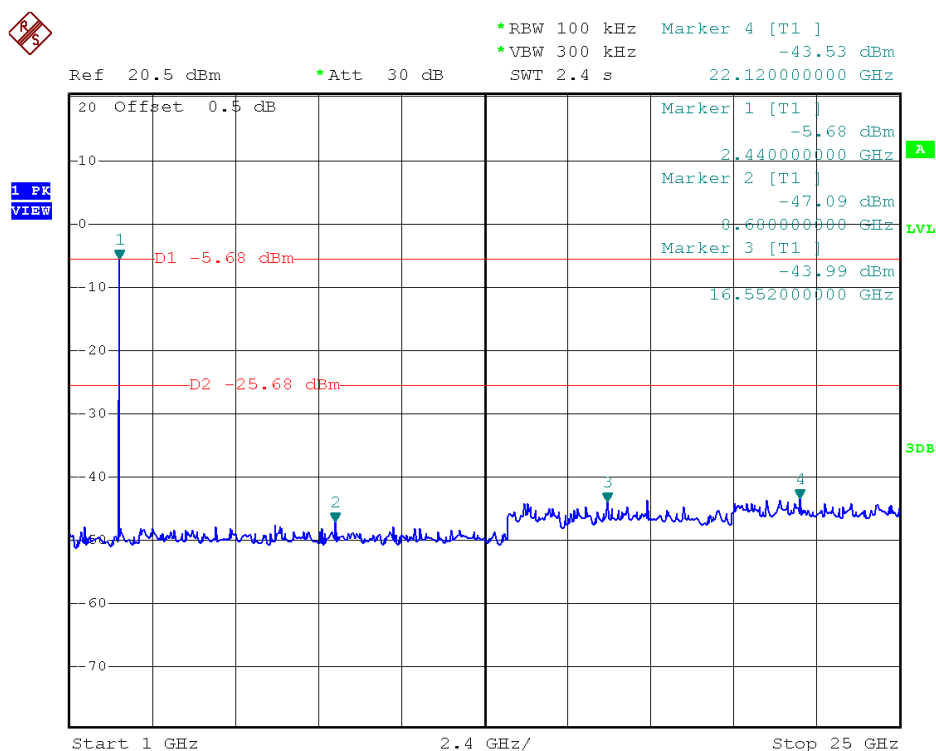
(Plot 2.4 G: Channel = 1, 30MHz to 25GHz@ 802.11n-20)





(Plot 2.4 H: Channel = 6, 30MHz to 25GHz@ 802.11n-20)





(Plot 2.4 I: Channel = 11, 30MHz to 25GHz@ 802.11n-20)

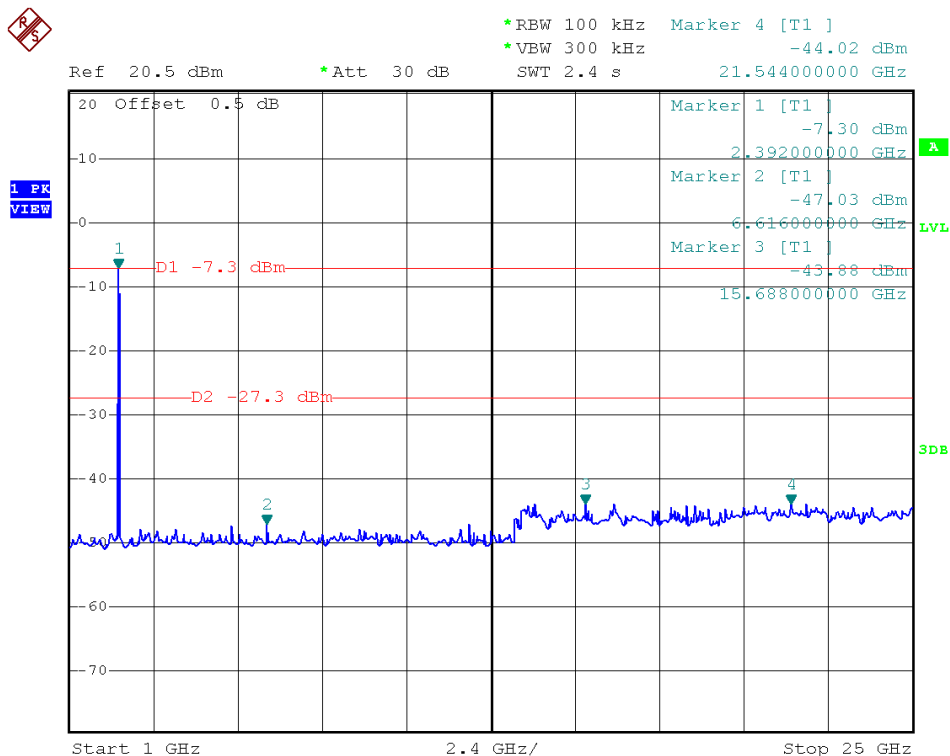
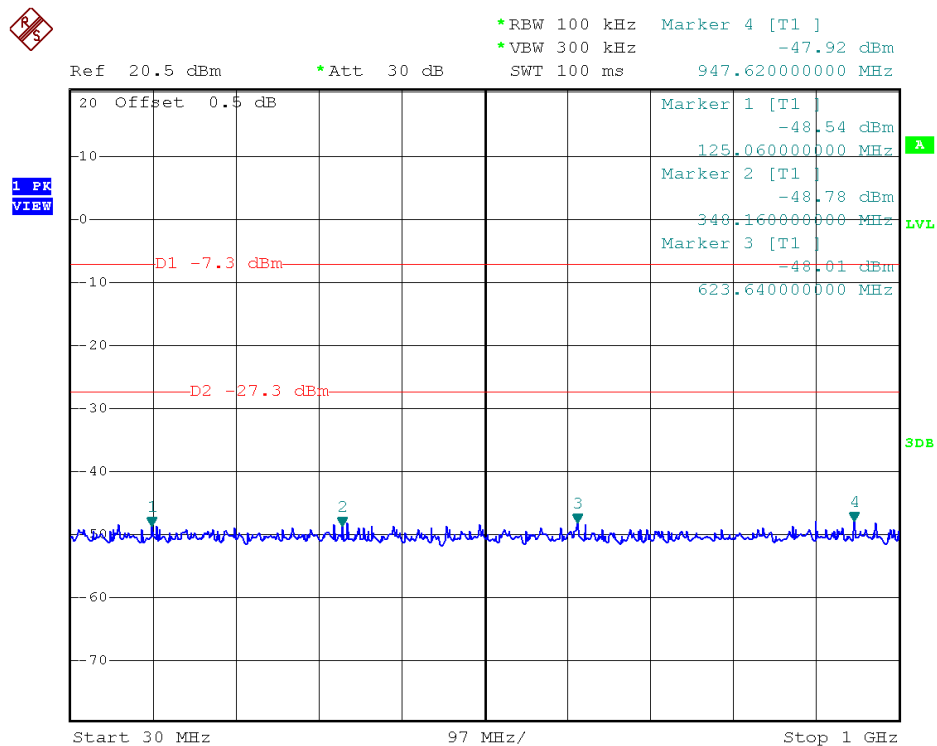
2.4.3.4 802.11n -40MHz Test mode

A. Test Verdict:

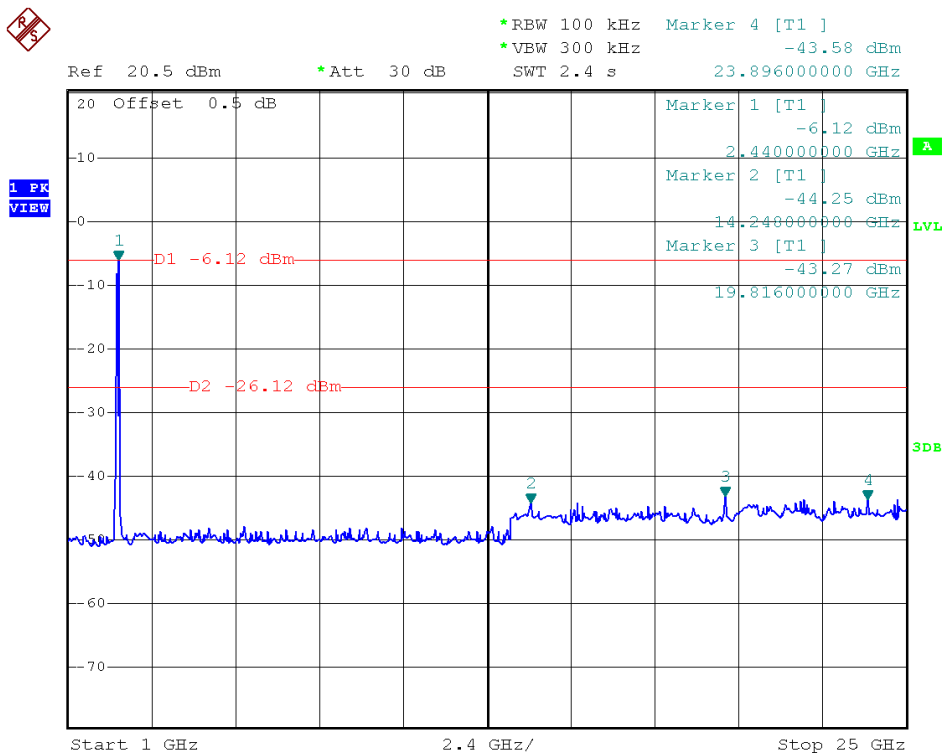
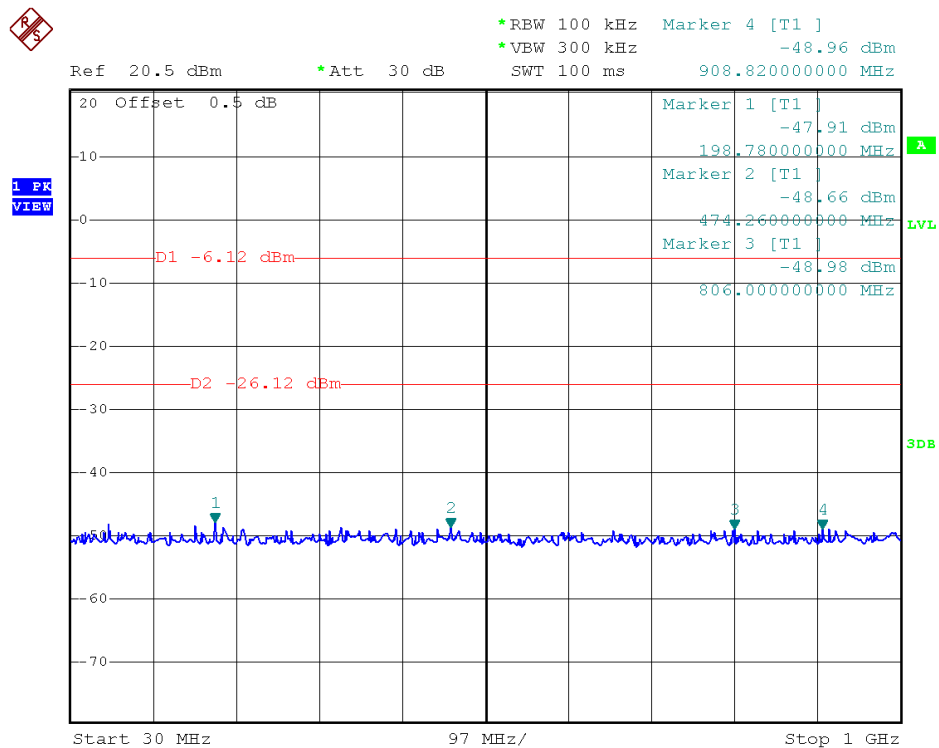
Channel	Frequency (MHz)	Refer to Plot	Limit (dBc)	Verdict
3	2422	Plot 2.4 J	-20	PASS
6	2437	Plot 2.4 K	-20	PASS
9	2452	Plot 2.4 L	-20	PASS

B. Test Plots:

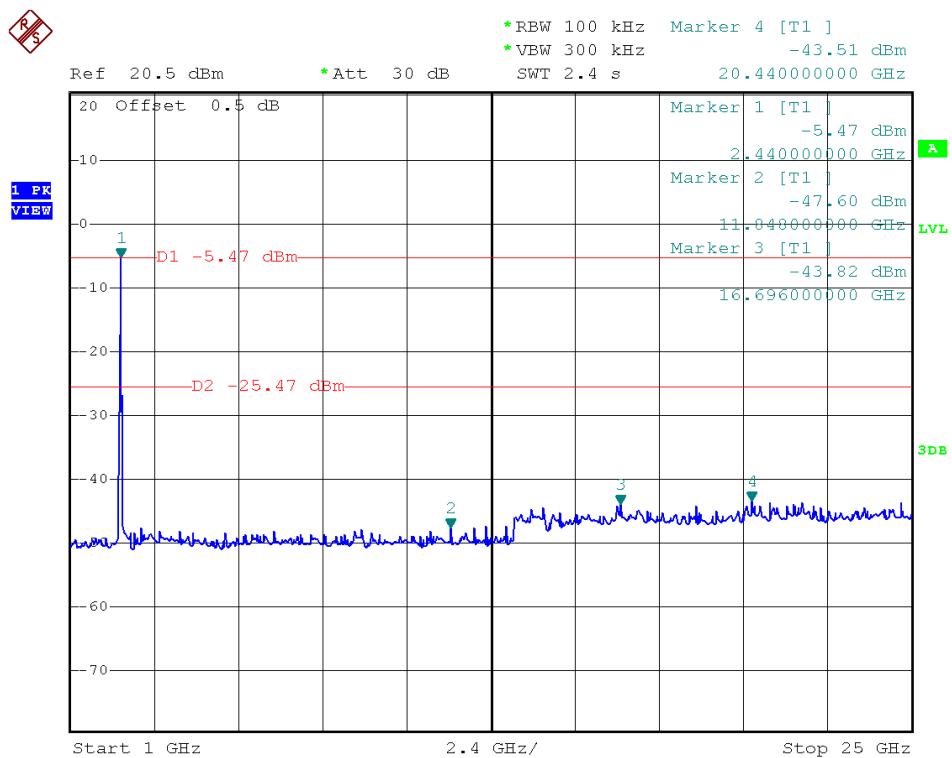
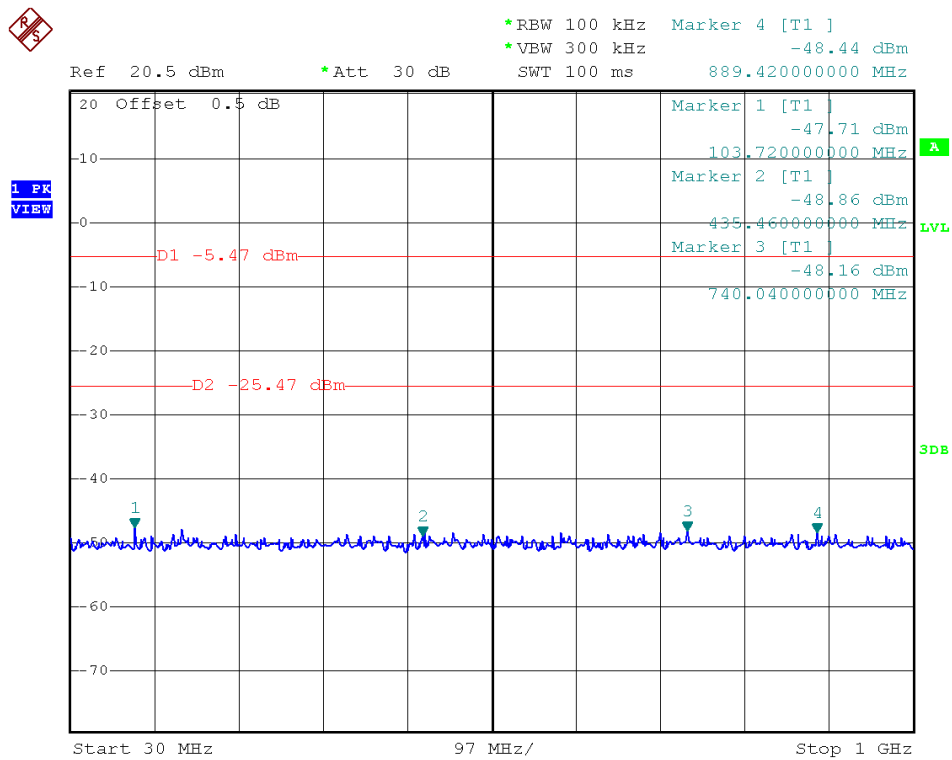
Note: the power of the Module transmitting frequency should be ignored.



(Plot 2.4 J: Channel = 3, 30MHz to 25GHz@ 802.11n-40)



(Plot 2.4 K: Channel = 6, 30MHz to 25GHz@ 802.11n-40)



(Plot 2.4 L: Channel = 9, 30MHz to 25GHz@ 802.11n-40)

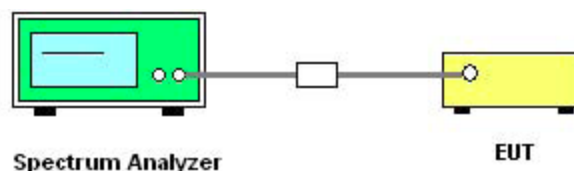
2.5 Power spectral density (PSD)

2.5.1 Requirement

According to FCC section 15.247(d), the same method of determining the conducted output power shall be used to determine the power spectral density. If a peak output power is measured, then a peak power spectral density measurement is required. If an average output power is measured, then an average power spectral density measurement should be used.

2.5.2 Test Description

A. Test Set:



The EUT which is powered by the Battery, is coupled to the Spectrum Analyzer; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss and Atten as the factor is calibrated to correct the reading.

Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. In order to make an accurate measurement, set the span greater than RBW.

B. Test Procedure

1. Set analyzer center frequency to DTS channel center frequency.
2. Set the span to 1.5 times the DTS channel bandwidth.
3. Set the RBW \geq 3 kHz.
4. Set the VBW \geq 3 x RBW.
5. Detector = peak.
6. Sweep time = auto couple
7. Trace mode = max hold.
8. Allow trace to fully stabilize.
9. Use the peak marker function to determine the maximum amplitude level.
10. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

C. Equipments List:

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal.Due Date
Spectrum Analyzer	R&S	FSP40	1164.4391.40	2013.07.26	2014.07.25

2.5.3 Test Result

The lowest, middle and highest channels are tested to verify the band edge emissions.

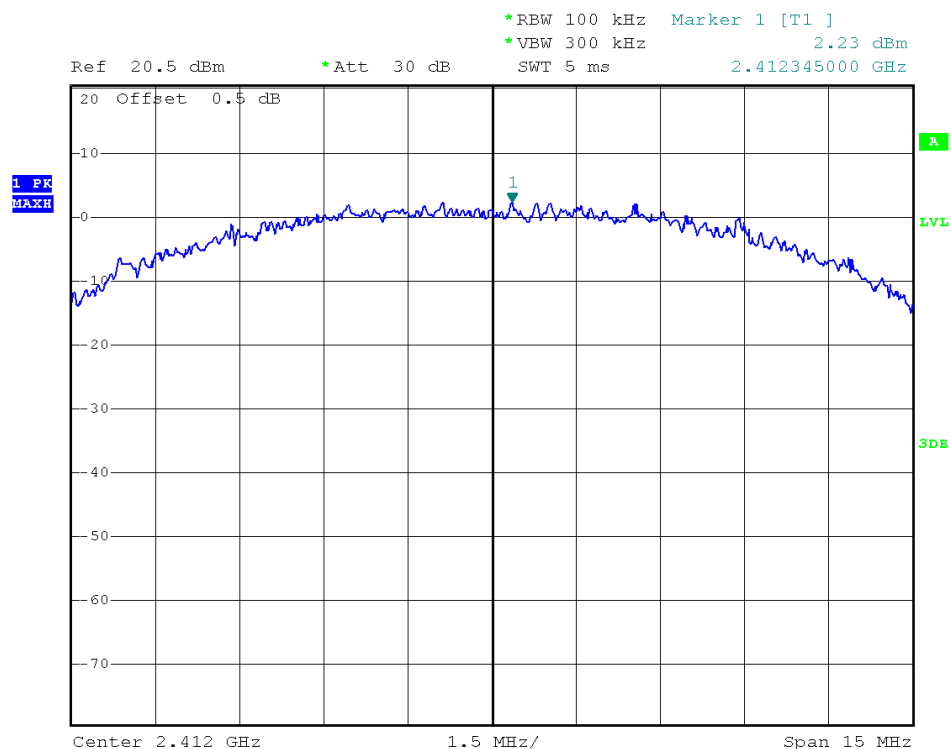
2.5.3.1 802.11b Test mode

A. Test Verdict:

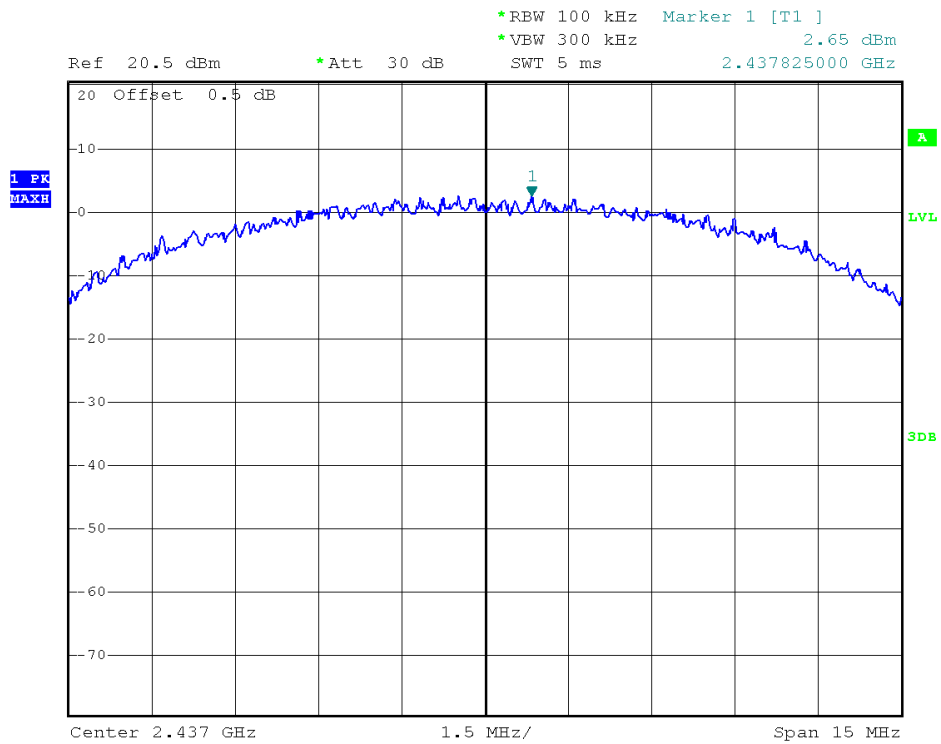
Spectral power density (dBm)					
Channel	Frequency (MHz)	Measured PSD (dBm)	Refer to Plot	Limit (dBm/3kHz)	Verdict
1	2412	2.23	Plot 2.5 A	8	PASS
6	2437	2.65	Plot 2.5 B	8	PASS
11	2462	2.22	Plot 2.5 C	8	PASS
Measurement uncertainty: ± 1.3 dB					

Note: 1. For 802.11b mode at final test to get the worst-case emission at 11Mbps.
2. The test results including the cable loss.

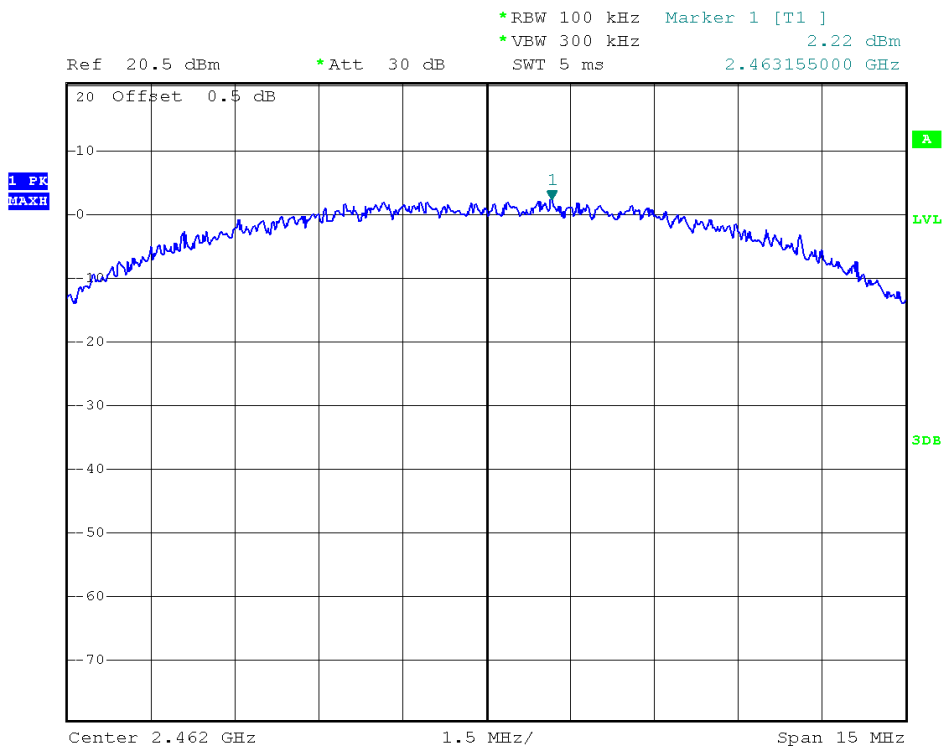
B. Test Plots:



(Plot 2.5 A: Channel = 1 @ 802.11b)



(Plot 2.5 B: Channel = 6 @ 802.11b)



(Plot 2.5 C: Channel = 11 @ 802.11b)

2.5.3.2 802.11g Test mode

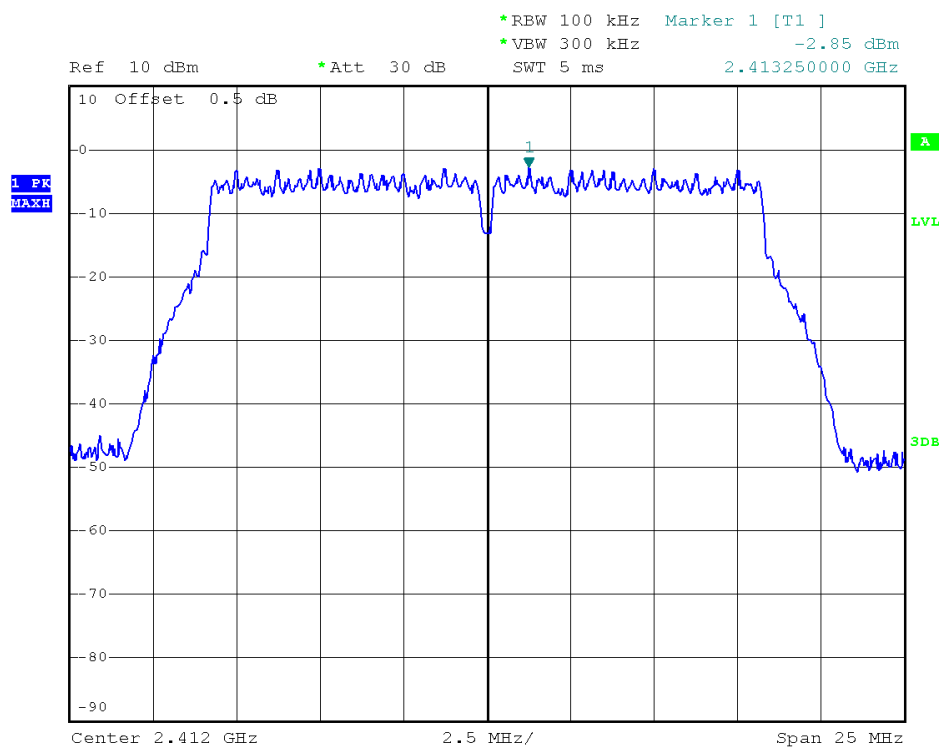
A. Test Verdict:

Spectral power density (dBm)					
Channel	Frequency (MHz)	Measured PSD (dBm)	Refer to Plot	Limit (dBm/3kHz)	Verdict
1	2412	-2.85	Plot 2.5 D	8	PASS
6	2437	-2.68	Plot 2.5 E	8	PASS
11	2462	-2.48	Plot 2.5 F	8	PASS

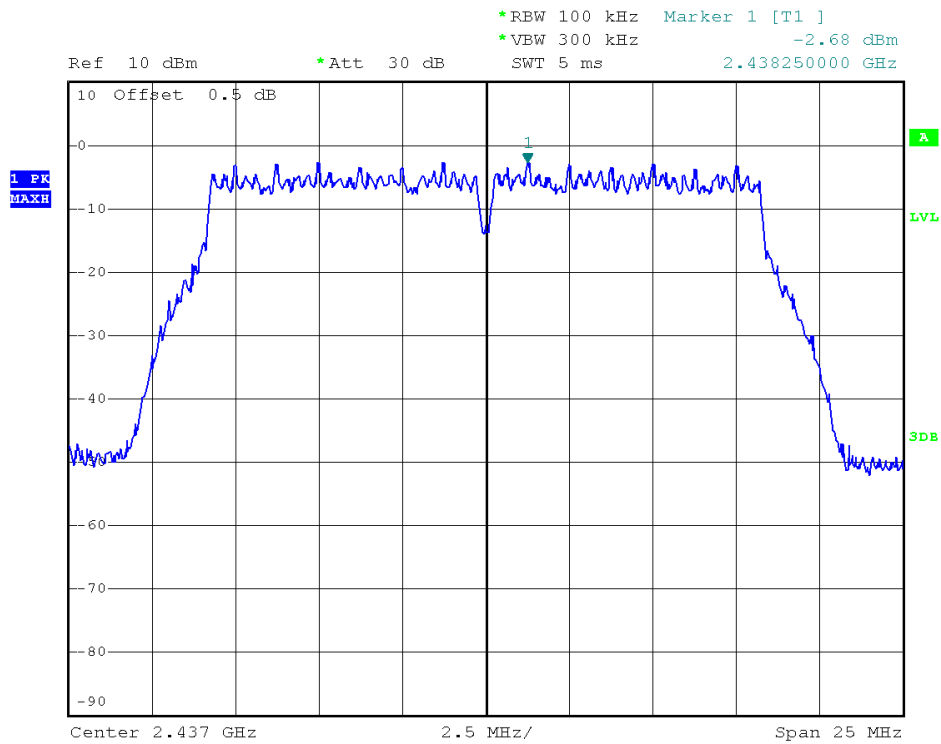
Measurement uncertainty: $\pm 1.3\text{dB}$

Note: 1. For 802.11g mode at final test to get the worst-case emission at 54 Mbps.
2. The test results including the cable lose.

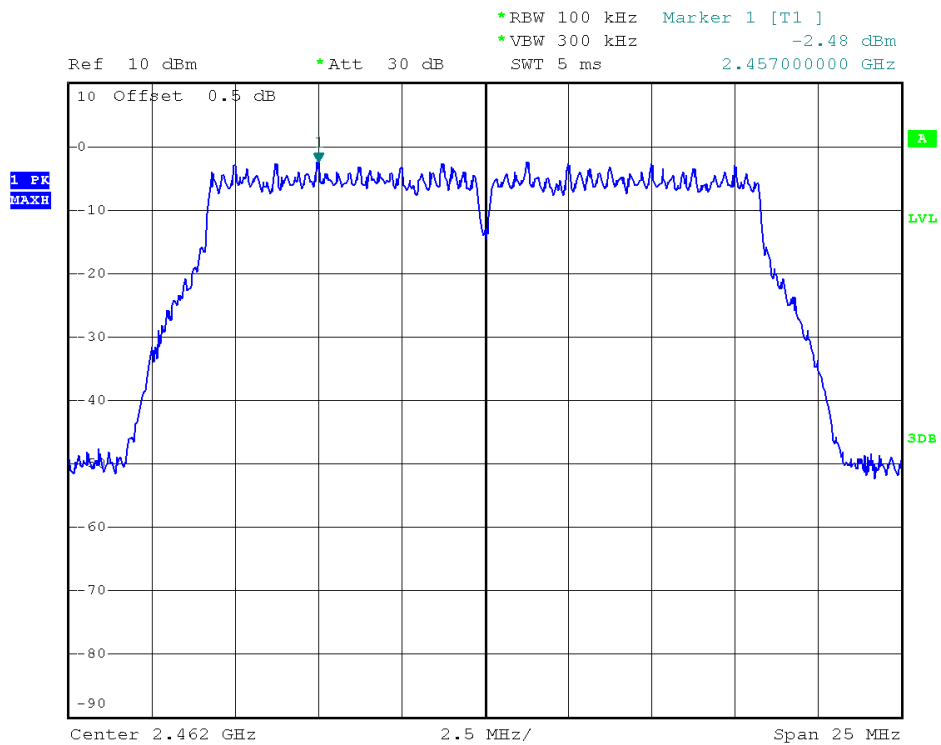
B. Test Plots:



(Plot 2.5 D: Channel = 1 @ 802.11g)



(Plot 2.5 E: Channel = 6 @ 802.11g)



(Plot 2.5 F: Channel = 11 @ 802.11g)

2.5.3.3 802.11n-20 Test mode

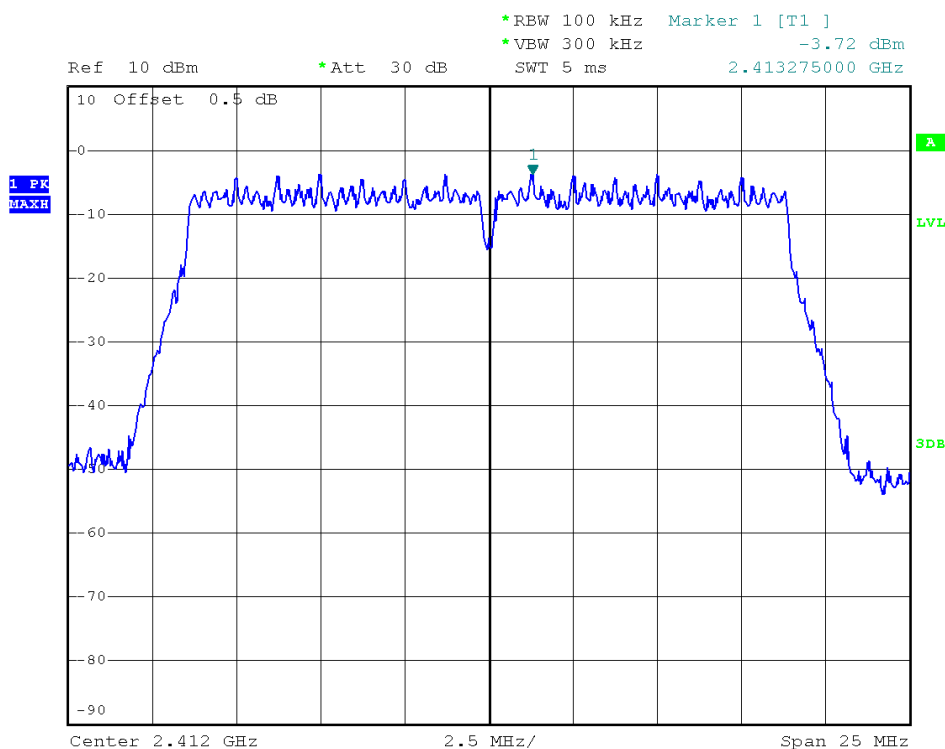
A. Test Verdict:

Spectral power density (dBm)					
Channel	Frequency (MHz)	Measured PSD (dBm)	Refer to Plot	Limit (dBm/3kHz)	Verdict
1	2412	-3.72	Plot2.5 G	8	PASS
6	2437	-3.68	Plot2.5 H	8	PASS
11	2462	-3.35	Plot2.5 I	8	PASS

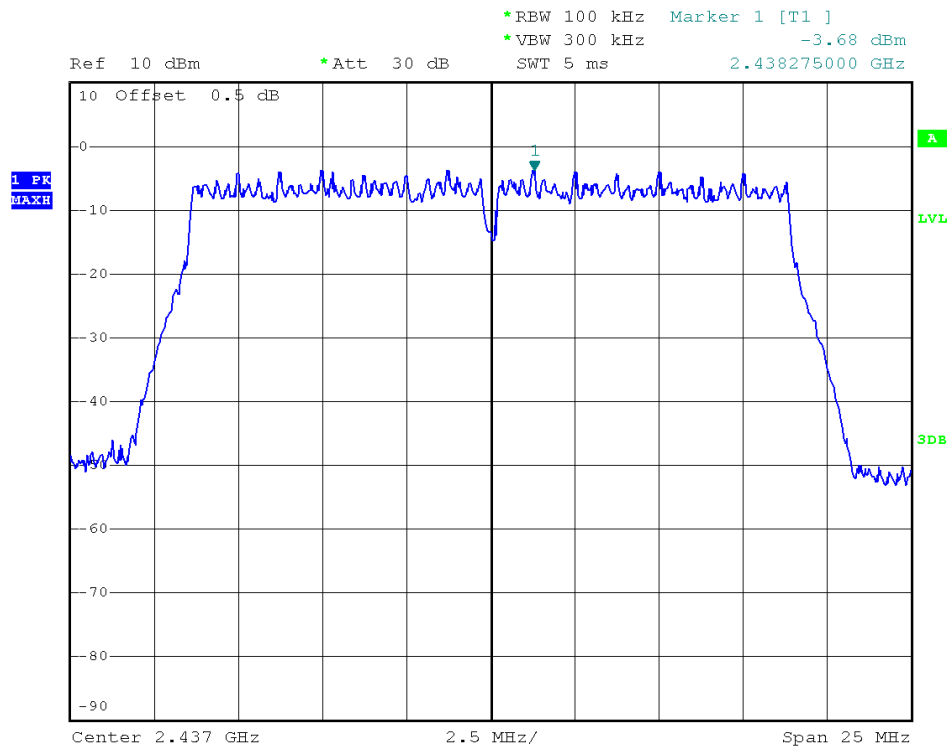
Measurement uncertainty: $\pm 1.3\text{dB}$

Note: 1. For 802.11n(20MHz) mode at final test to get the worst-case emission at 72 Mbps.
2. The test results including the cable loss.

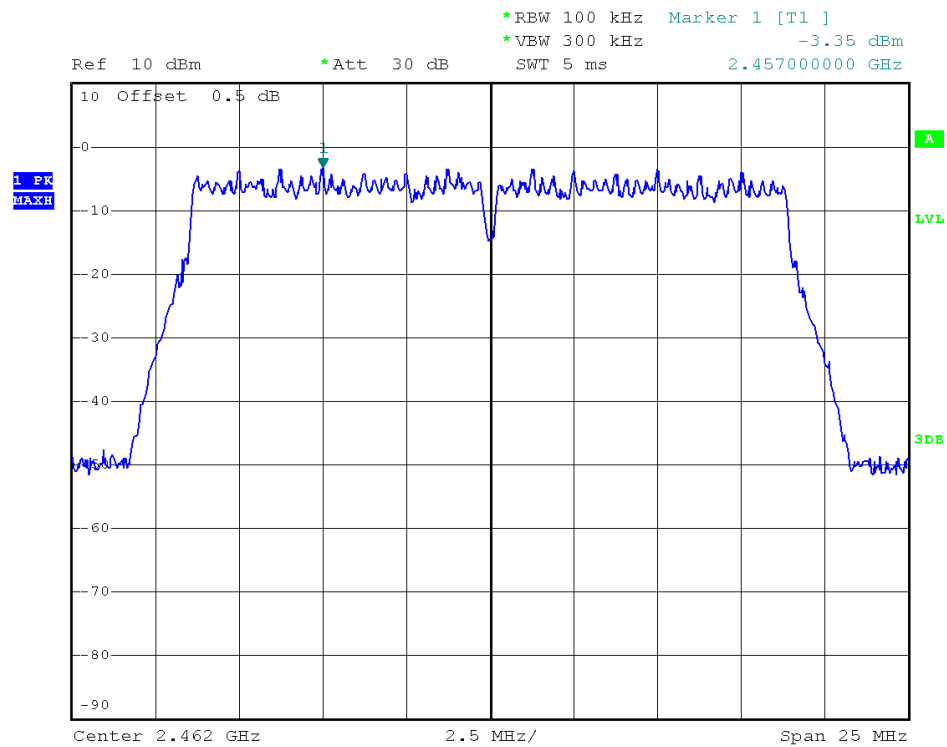
B. Test Plots:



(Plot 2.5 G: Channel = 1 @ 802.11n-20)



(Plot 2.5 H: Channel = 6 @ 802.11n-20)



(Plot 2.5 I: Channel = 11 @ 802.11n-20)



2.5.3.4 802.11n-40 Test mode

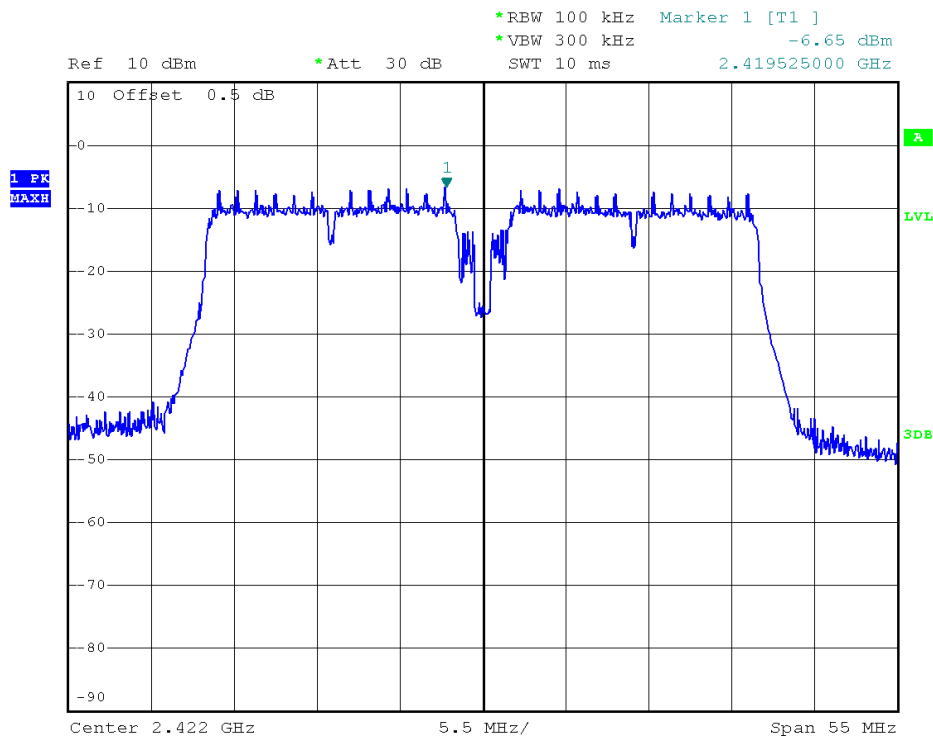
A. Test Verdict:

Spectral power density (dBm/3kHz)					
Channel	Frequency (MHz)	Measured PSD (dBm/3kHz)	Refer to Plot	Limit (dBm/3kHz)	Verdict
3	2422	-6.65	Plot 2.5 J	8	PASS
6	2437	-6.49	Plot 2.5 K	8	PASS
9	2452	-6.45	Plot 2.5 L	8	PASS

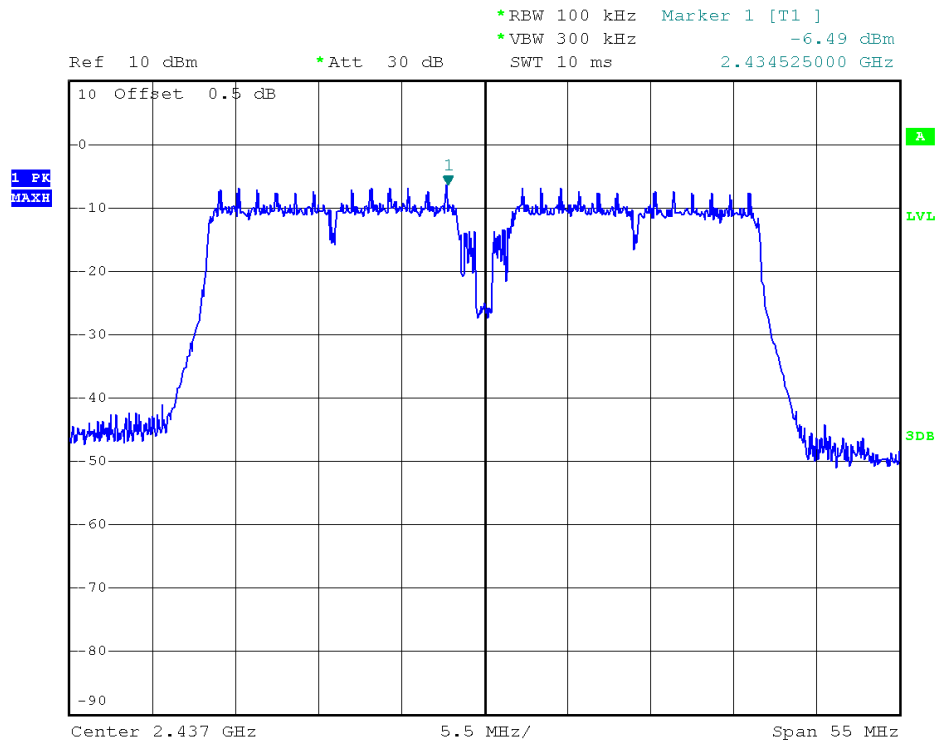
Measurement uncertainty: ± 1.3 dB

Note: 1. For 802.11n(40MHz) mode at final test to get the worst-case emission at 150 Mbps.
2. The test results including the cable loss.

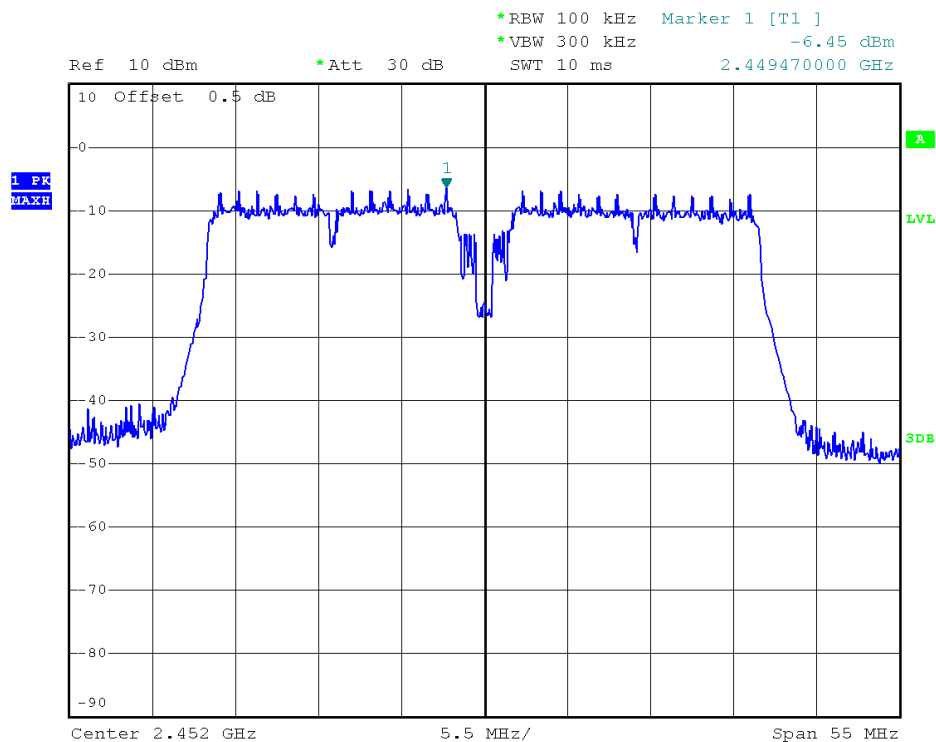
B. Test Plots:



(Plot 2.5 J: Channel = 3 @ 802.11n-40)



(Plot 2.5 K: Channel = 6 @ 802.11n-40)



(Plot 2.5 L: Channel = 9 @ 802.11n-40)

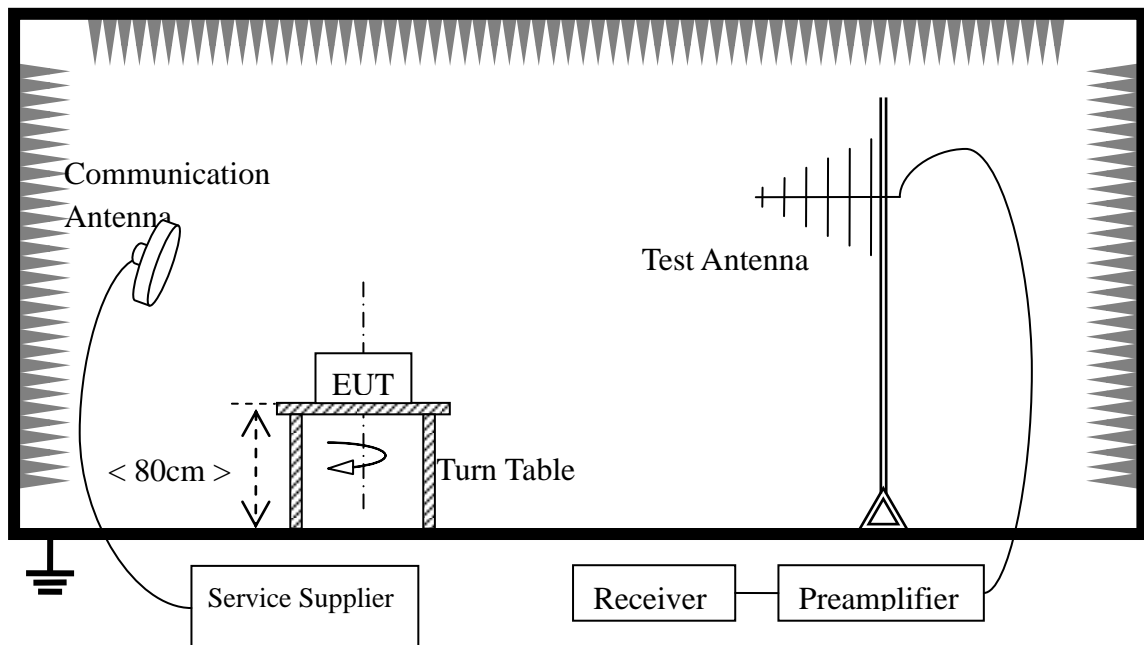
2.6 Band Edge

2.6.1 Requirement

According to FCC section 15.247(d), in any 100kHz 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 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.

2.6.2 Test Description

A. Test Setup



The Module of the EUT is powered by the Battery charged with the AC Adapter. The Module is located in a 3m Semi-Anechoic Chamber; the antenna factors, cable loss and so on of the site as factors are calculated to correct the reading.

For the Test Antenna:

Test Antenna is 3m away from the EUT. Test Antenna height is varied from 1m to 4m above the ground to determine the maximum value of the field strength.

B. Equipments List:

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due Date
Receiver	R&S	ESIB26	A0304218	2014.06.08	2015.06.07
Full-Anechoic Chamber	Albatross	12.8m*6.8m*6.4m	A0412372	2014.06.08	2015.06.07
Double ridge horn antenna	R&S	HF906	100150	2014.06.11	2015.06.10
Ultra-wideband antenna	R&S	HL562	100089	2014.06.11	2015.06.10
Amplifier 1G~18GHz	R&S	MITEQ AFS42-001 01800	25-S-42	2014.06.06	2015.06.05

2.6.3 Test Result

Band edge were measurement for 802.11b, 802.11g, 802.11n(20MHz) and 802.11n(40MHz) mode at difference date, recording worst case in test report.

Radiated band edge Measurement:

The lowest and highest channels are tested to verify the band edge emissions.

The measurement results are obtained as below:

$$E \text{ [dB}\mu\text{V/m]} = U_R + A_T + A_{\text{Factor}} \text{ [dB]}; A_T = L_{\text{Cable loss}} \text{ [dB]} - G_{\text{preamp}} \text{ [dB]}$$

A_T : Total correction Factor except Antenna

U_R : Receiver Reading

G_{preamp} : Preamplifier Gain

A_{Factor} : Antenna Factor at 3m

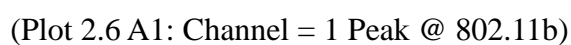
NOTE 1: The red vertical lines “F1” in the following charts is to indicate the frequencies 2400MHz and 2483.5MHz respectively

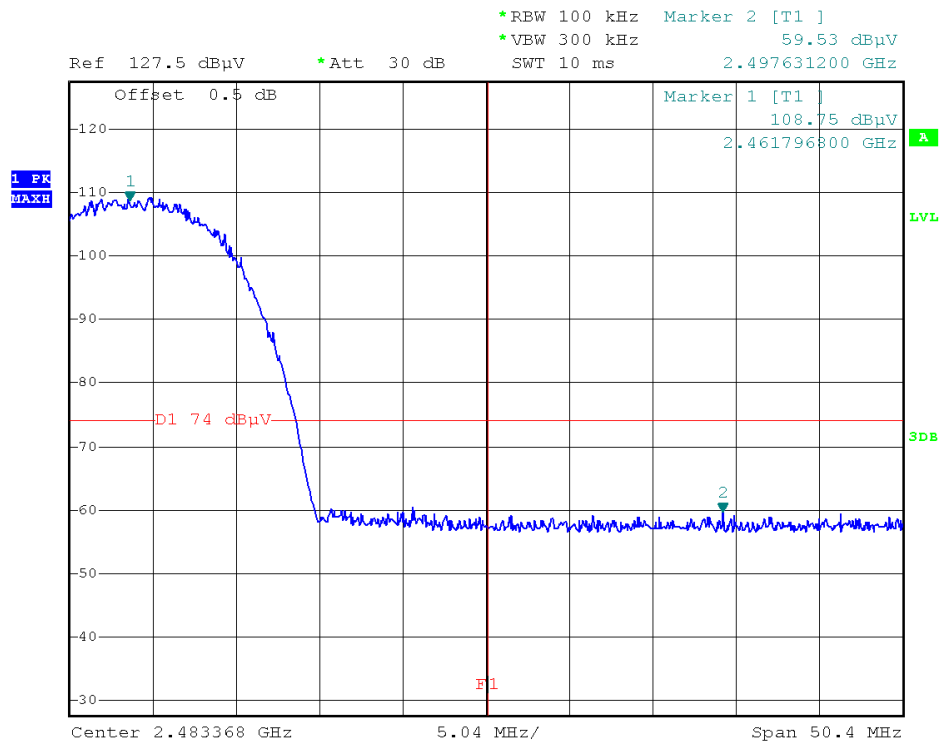
NOTE 2: Both horizontal and vertical polarity direction of the test antenna has been performed, only the worst case recorded in this report.



A. Test Verdict:

B. Test Plots:





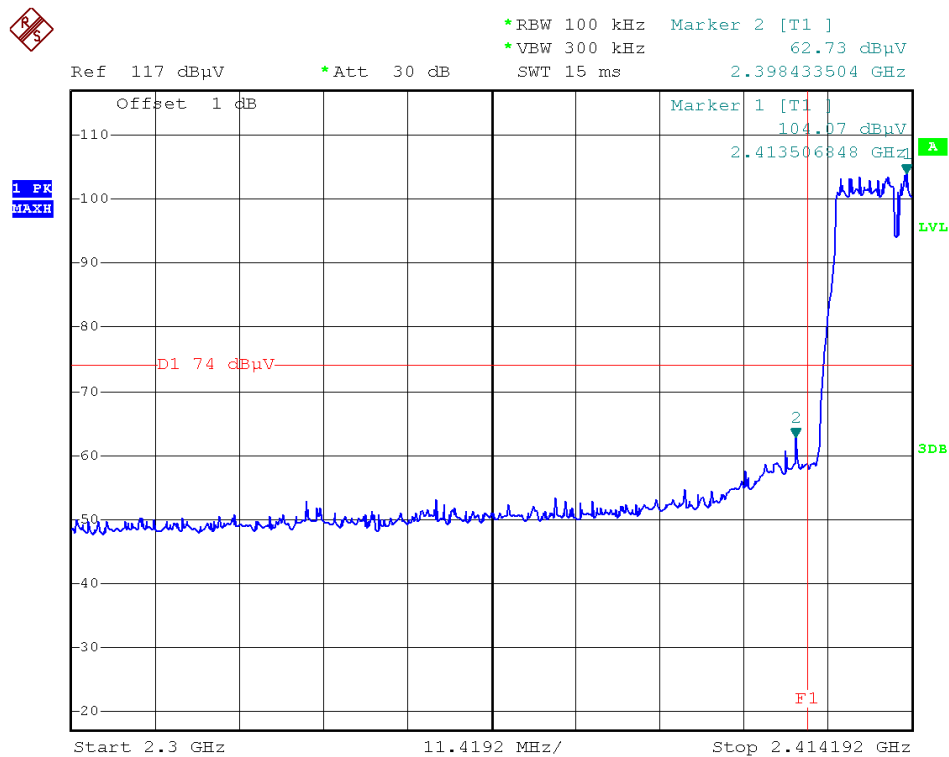
(Plot 2.6 A3: Channel = 11 Peak @ 802.11b)

802.11g

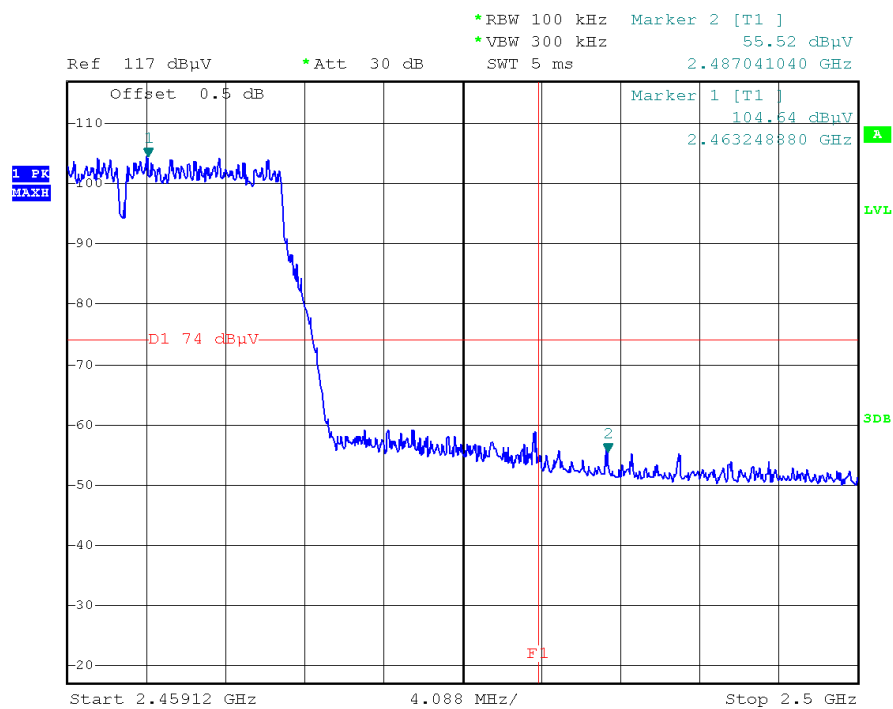
A. Test Verdict:

Channel	Frequency (MHz)	Detector	Receiver Reading UR (dBuV)	AT (dB)	AFactor (dB@3m)	Max. Emission E (dB μV/m)	Limit (dB μV/m)	Verdict
		PK/ AV						
1	2398.433	PK	62.73	-31.7	28.3	59.33	74	Pass
1	2398.433	AV	51.09	-31.7	28.3	47.69	54	Pass
11	2487.041	PK	55.52	-29.45	29.2	55.27	74	Pass
11	2487.041	AV	46.23	-29.45	29.2	45.98	54	Pass

B. Test Plots:



(Plot 2.6 B1: Channel = 1 Peak @ 802.11g)



(Plot 2.6 B3: Channel = 11 Peak @ 802.11g)

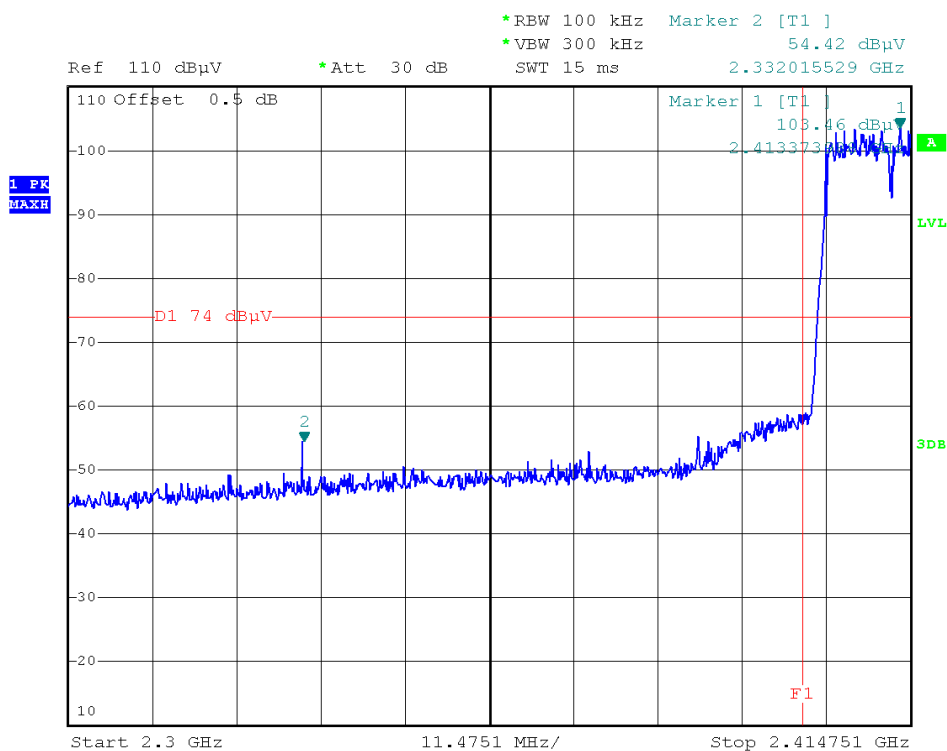


802.11n-20

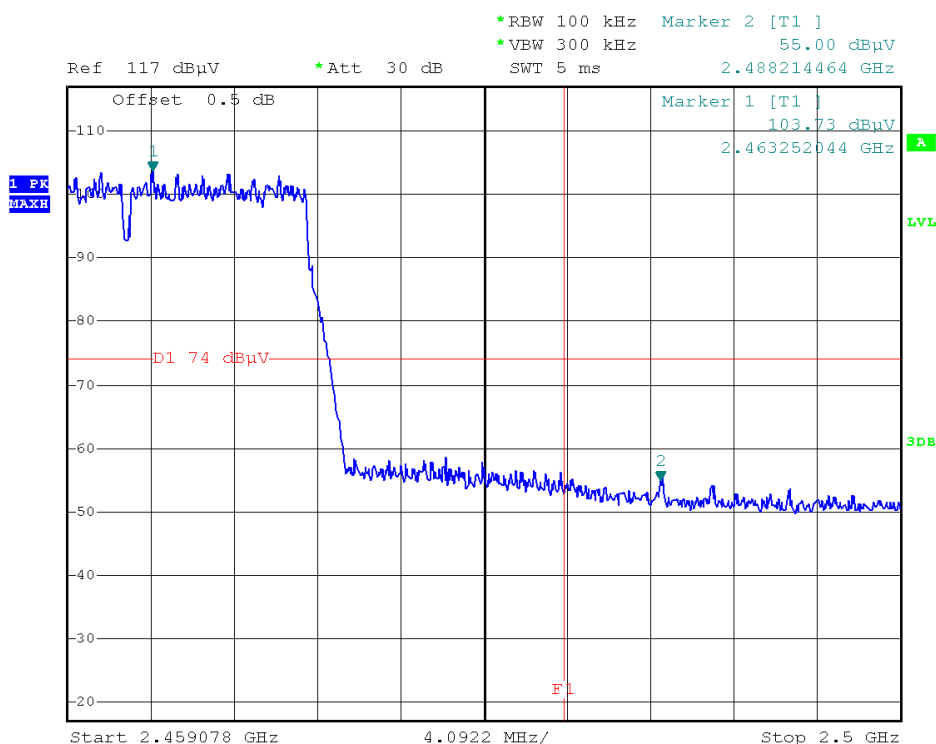
A. Test Verdict:

Channel	Frequency (MHz)	Detector	Receiver Reading UR (dBuV)	AT (dB)	AFactor (dB@3m)	Max. Emission E (dB μ V/m)	Limit (dB μ V/m)	Verdict
		PK/ AV						
1	2332.016	PK	54.42	-31.7	28.3	51.02	74	Pass
1	2332.016	AV	45.58	-31.7	28.3	42.18	54	Pass
11	2488.214	PK	55	-29.45	29.2	54.75	74	Pass
11	2488.214	AV	46.29	-29.45	29.2	46.04	54	Pass

B. Test Plots:



(Plot 2.6 C1: Channel = 1 Peak @ 802.11n-20)

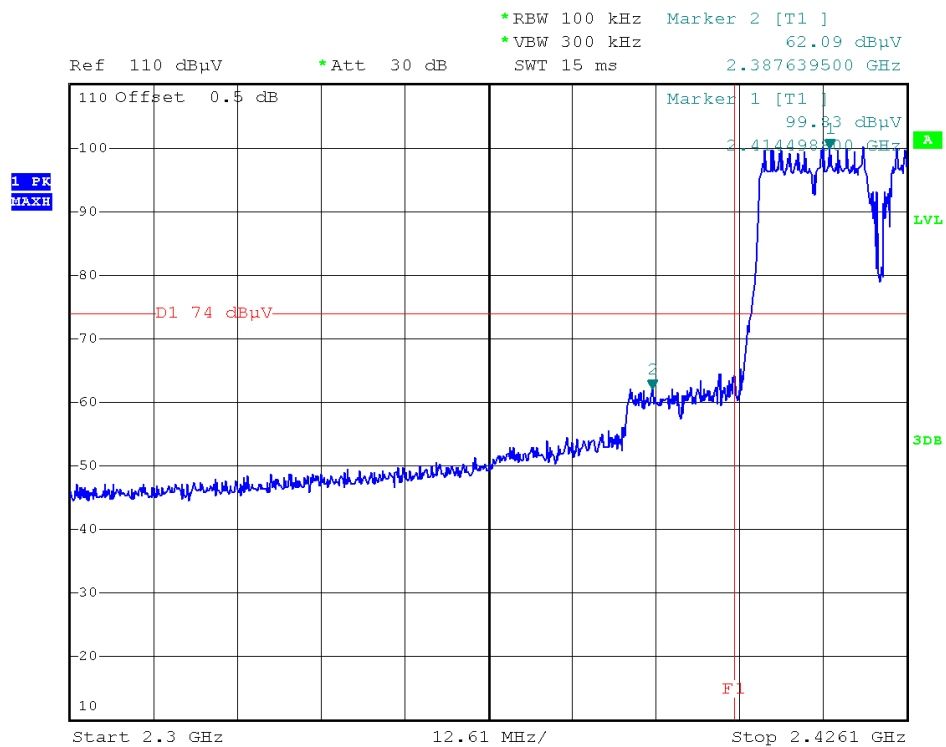


(Plot 2.6 C3: Channel = 11 Peak @ 802.11n-20)

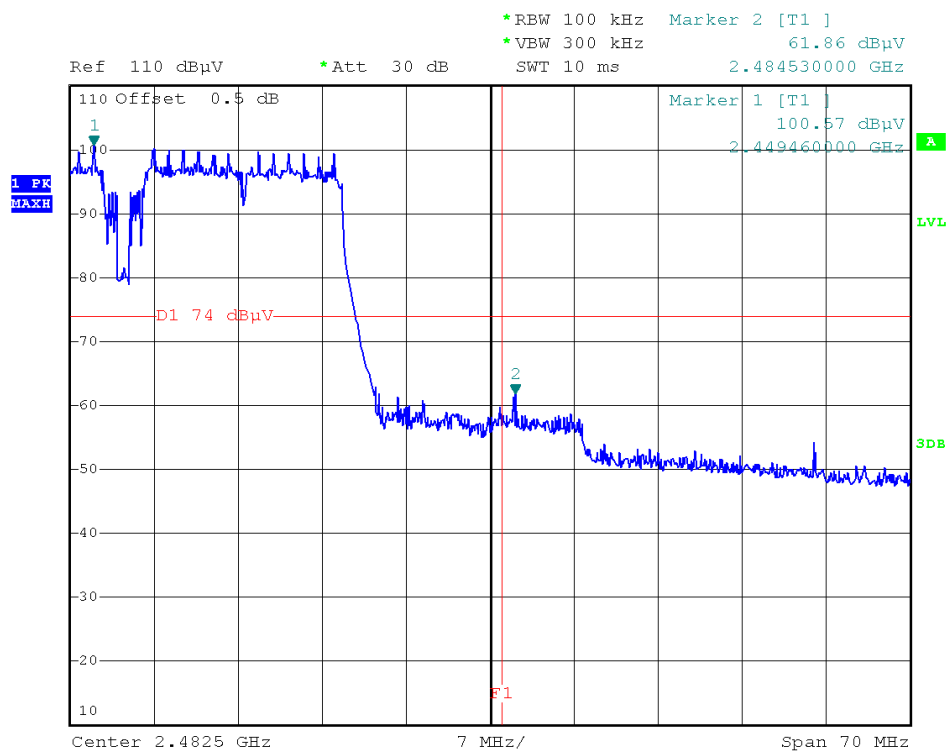
802.11n-40

A. Test Verdict:

Channel	Frequency (MHz)	Detector	Receiver Reading UR (dBuV)	AT (dB)	AFactor (dB@3m)	Max. Emission E (dB μV/m)	Limit (dB μV/m)	Verdict
		PK/ AV						
3	2387.640	PK	62.09	-31.7	28.3	58.69	74	Pass
3	2387.640	AV	50.24	-31.7	28.3	46.84	54	Pass
9	2484.530	PK	61.86	-29.45	29.2	61.61	74	Pass
9	2484.530	AV	50.01	-29.45	29.2	49.76	54	Pass

**B. Test Plots:**

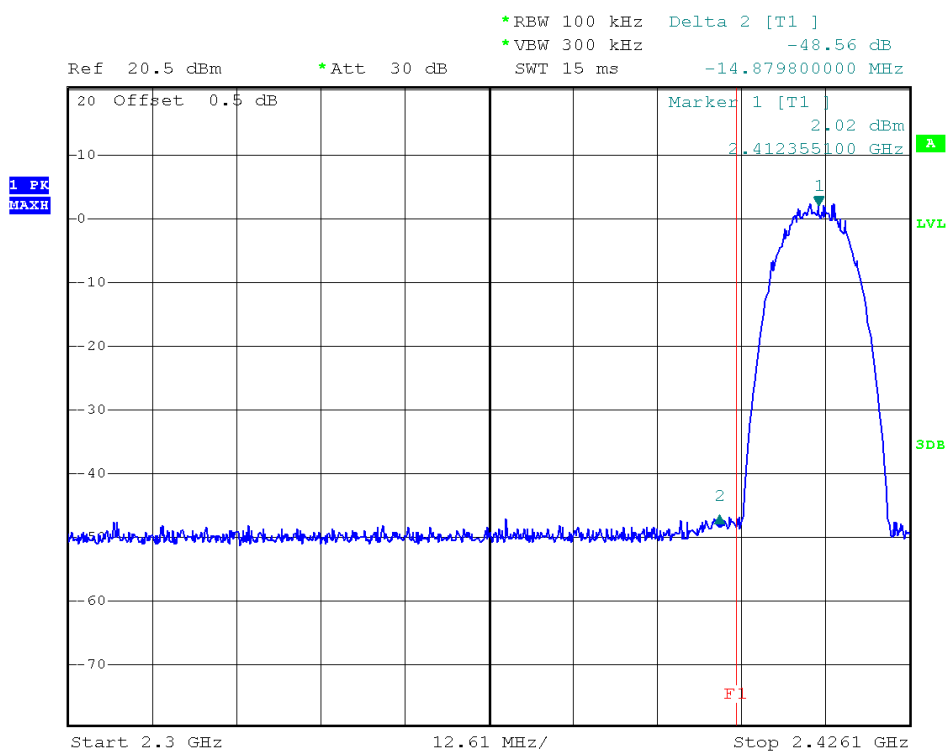
(Plot 2.6 D1: Channel = 3 Peak @ 802.11n-40)



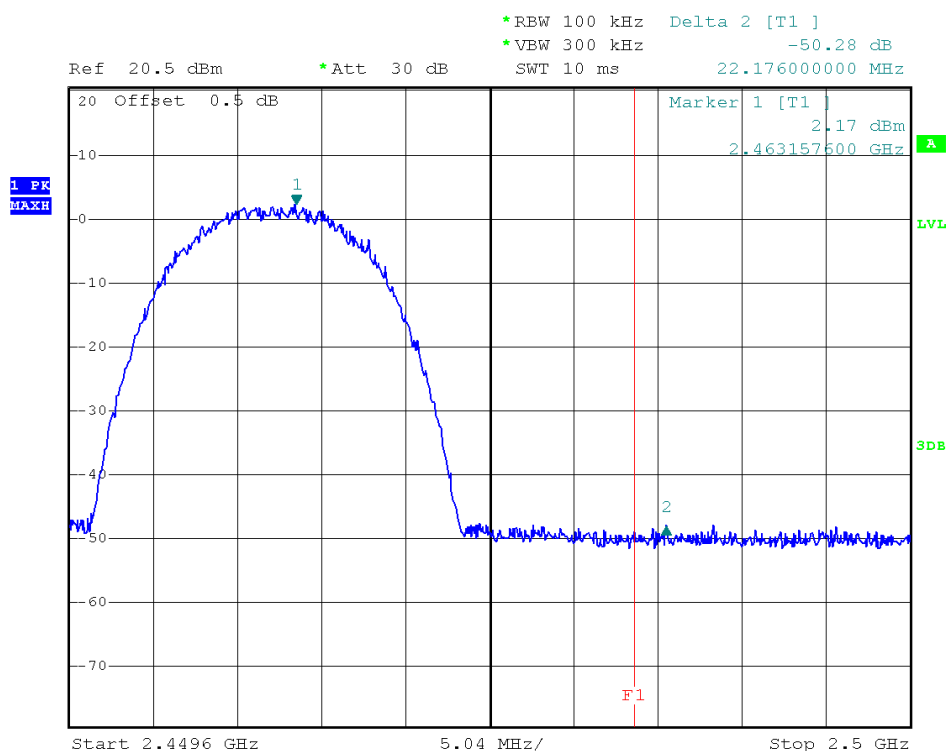
(Plot 2.6 D3: Channel = 9 Peak @ 802.11n-40)

**Conducted Band Edge Measurement****802.11b Test mode****A. Test Verdict:**

Frequency (MHz)	Delta Peak to Band emission (dBc)	Detector	Limit (dBc)	Refer to Plot	Verdict
Out of left side band					
2397.475	-48.56	PK	-20.00	Plot 2.6 E1	Pass
Out of right side band					
2485.334	-50.28	PK	-20.00	Plot 2.6 E2	Pass

B. Test Plots:

(Plot 2.6 E1: Channel =1 2412MHz @ 802.11b)



(Plot 2.6 E2: Channel =11 2462MHz @ 802.11b)

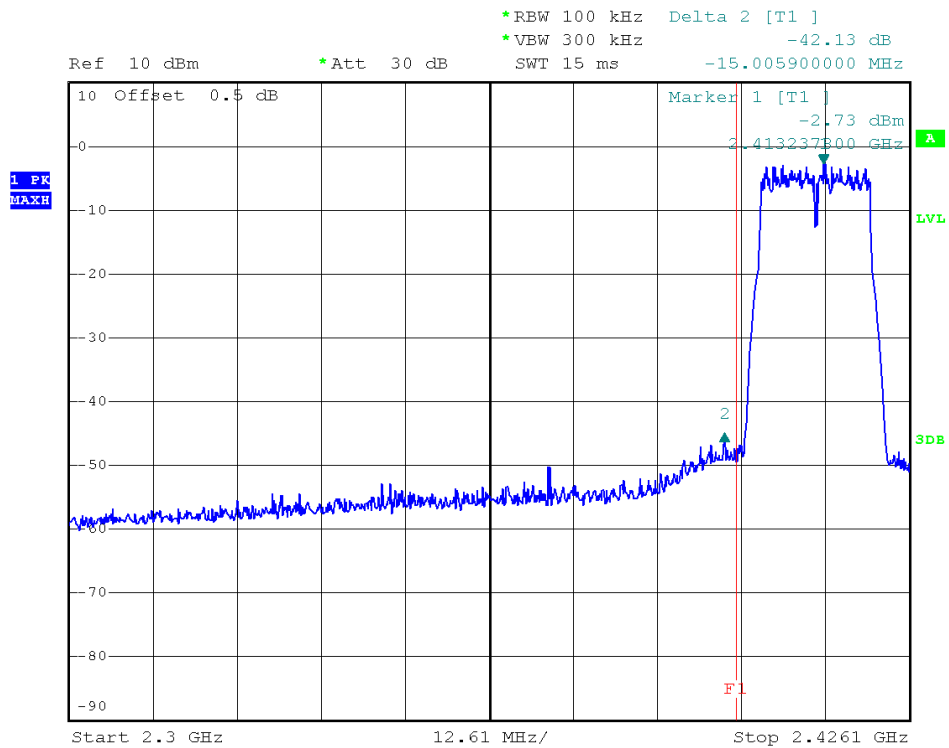
802.11g Test mode

The lowest and highest channels are tested to verify the band edge emissions.

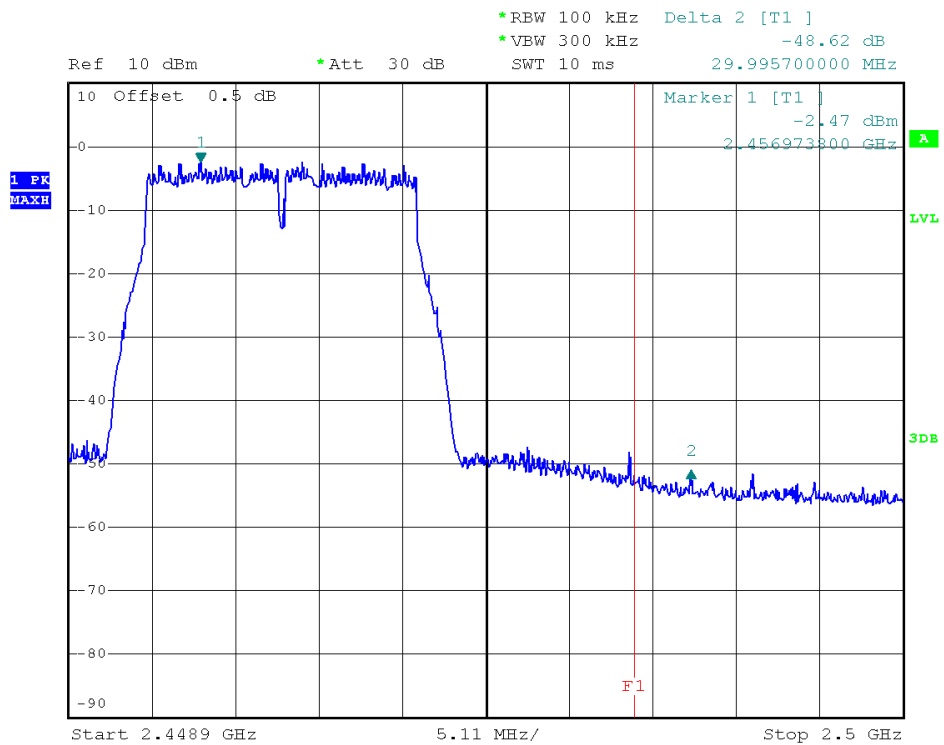
A. Test Verdict:

Frequency (MHz)	Delta Peak to Band emission (dBc)	Detector	Limit (dBc)	Refer to Plot	Verdict
Out of left side band					
2398.232	-42.13	PK	-20.00	Plot 2.6 F1	Pass
Out of right side band					
2486.970	-48.62	PK	-20.00	Plot 2.6 F2	Pass

B. Test Plots:



(Plot 2.5.2 F1: Channel =1 2412MHz @ 802.11g)



(Plot 2.6 F2: Channel =11 2462MHz @ 802.11g)

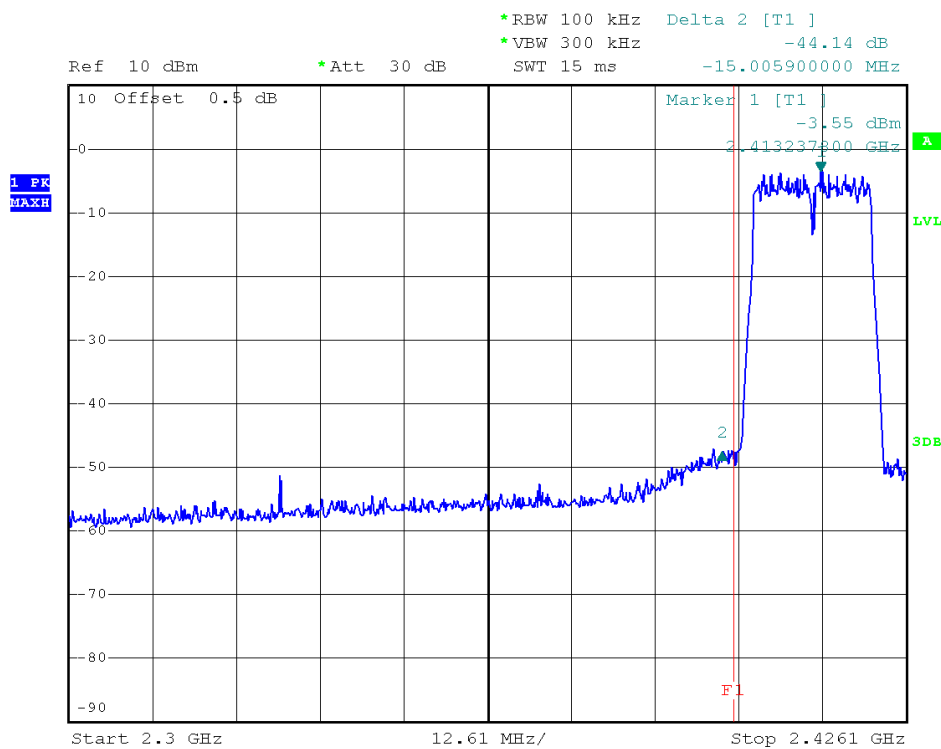
802.11n-20 Test mode

The lowest and highest channels are tested to verify the band edge emissions.

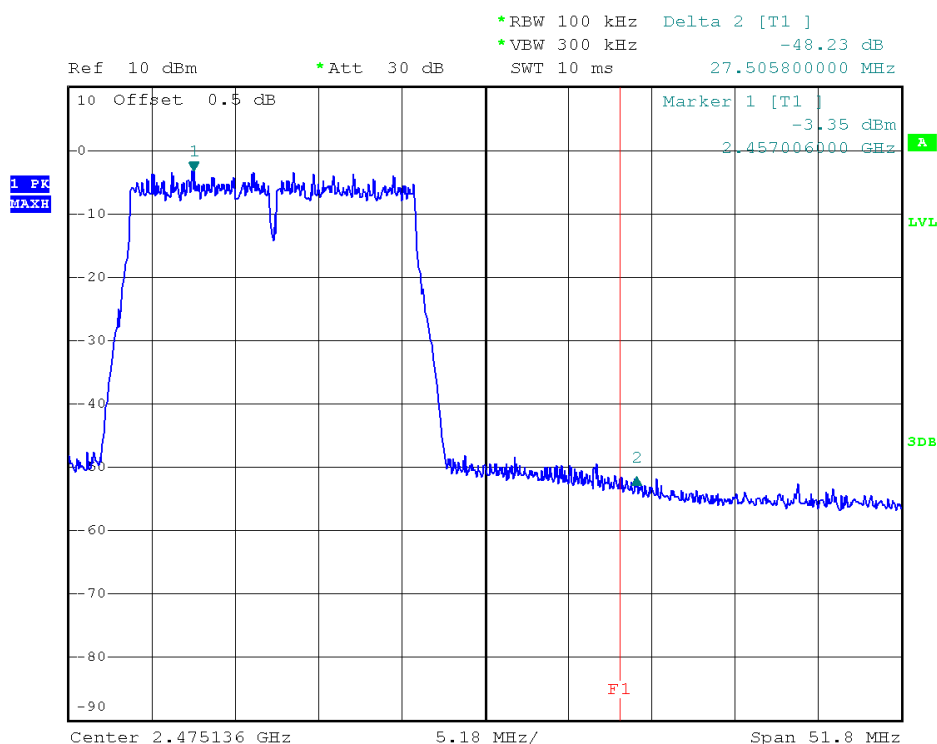
A. Test Verdict:

Frequency (MHz)	Delta Peak to Band emission (dBc)	Detector	Limit (dBc)	Refer to Plot	Verdict
Out of left side band					
2398.232	-44.14	PK	-20.00	Plot 2.6 G1	Pass
Out of right side band					
2484.512	-48.23	PK	-20.00	Plot 2.6 G2	Pass

B. Test Plots:



(Plot 2.6 G1: Channel =1 2412MHz @ 802.11n-20)



(Plot 2.6 G2: Channel =11 2462MHz @ 802.11n-20)

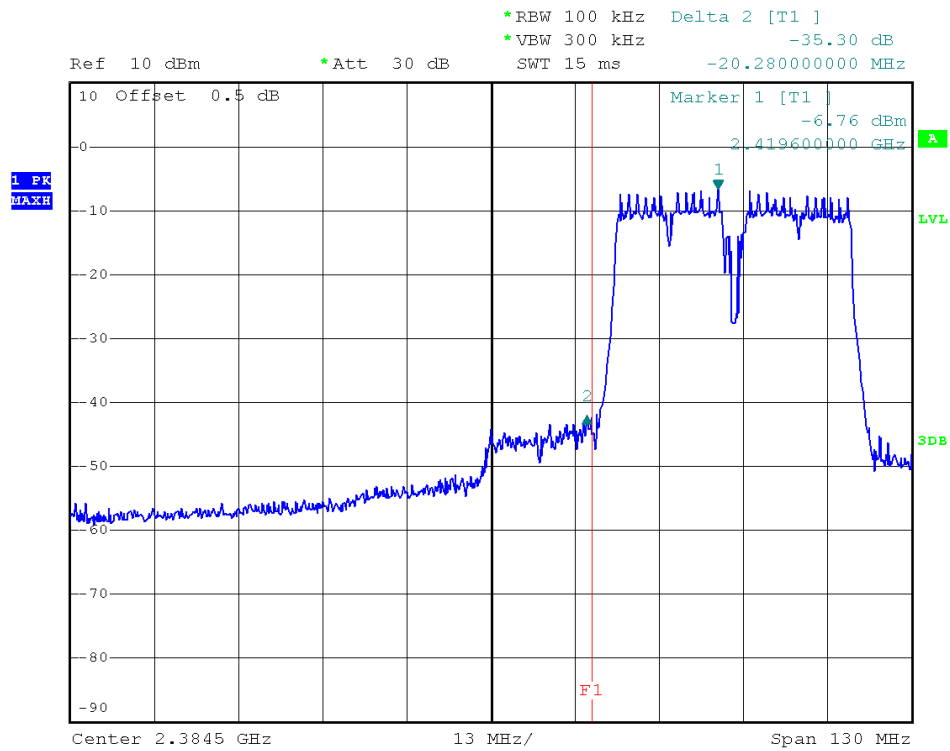
802.11n-40 Test mode

The lowest and highest channels are tested to verify the band edge emissions.

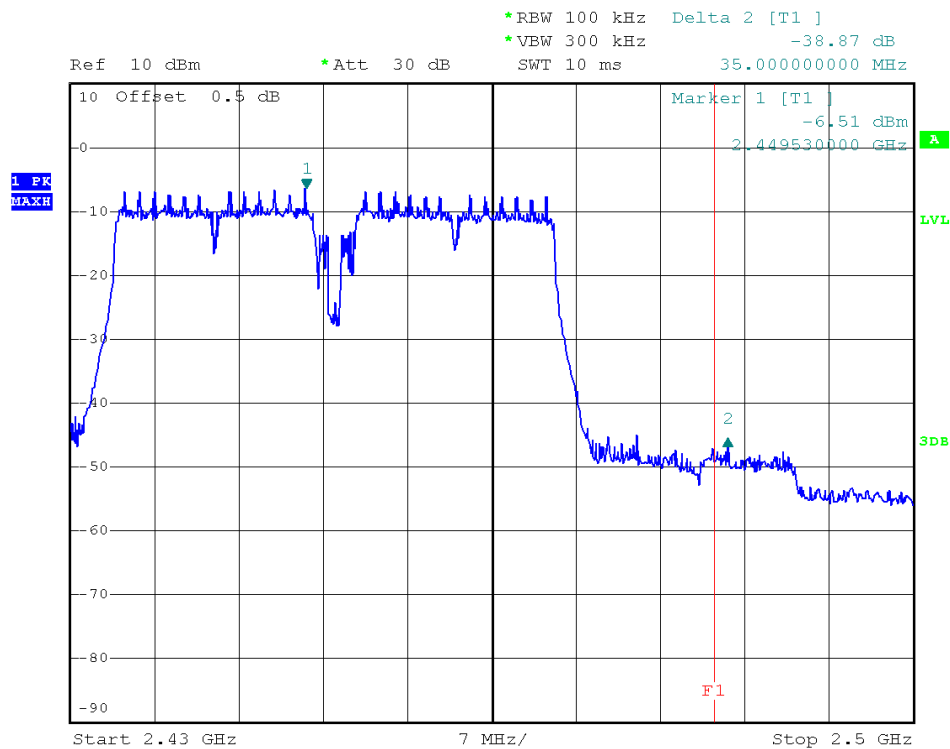
A. Test Verdict:

Frequency (MHz)	Delta Peak to Band emission (dBc)	Detector	Limit (dBc)	Refer to Plot	Verdict
Out of left side band					
2399.320	-35.30	PK	-20.00	Plot 2.6 H1	Pass
Out of right side band					
2484.530	-38.87	PK	-20.00	Plot 2.6 H2	Pass

B. Test Plots:



(Plot 2.6 H1: Channel =3 2422MHz @ 802.11n-40)



(Plot 2.6 H2: Channel =9 2452MHz @ 802.11n-40)

2.7 Conducted Emission

2.7.1 Requirement

According to FCC section 15.207, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency within the band 150kHz to 30MHz shall not exceed the limits in the following table, as measured using a 50 μ H/50 Ω line impedance stabilization network (LISN).

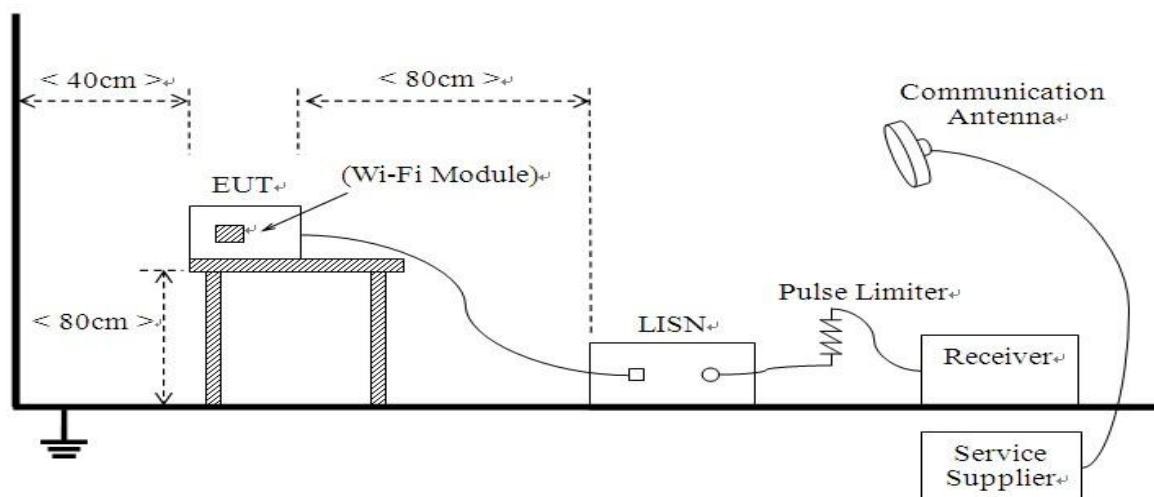
Frequency range (MHz)	Conducted Limit (dB μ V)	
	Quai-peak	Average
0.15 - 0.50	66 to 56	56 to 46
0.50 - 5	56	46
5 - 30	60	50

NOTE:

- The lower limit shall apply at the band edges.
- The limit decreases linearly with the logarithm of the frequency in the range 0.15 - 0.50MHz.

2.7.2 Test Description

A. Test Setup:



The Table-top EUT was placed upon a non-metallic table 0.8m above the horizontal metal reference ground plane. EUT was connected to LISN and LISN was connected to reference Ground Plane. EUT was 80cm from LISN. The set-up and test methods were according to ANSI C63.4:2009

The EUT is powered by a PC. The factors of the site are calibrated to correct the reading. During the measurement, the EUT is activated and controlled by the Wi-Fi Service Supplier (SS) via a Common Antenna.

B. Equipments List:

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal.Due Date
Test Receiver	ROHDE&SCHWARZ	ESCS30	A0304260	2014.06.11	2015.06.10
LISN	ROHDE&SCHWARZ	ESH2-Z5	A0304221	2014.06.11	2015.06.10

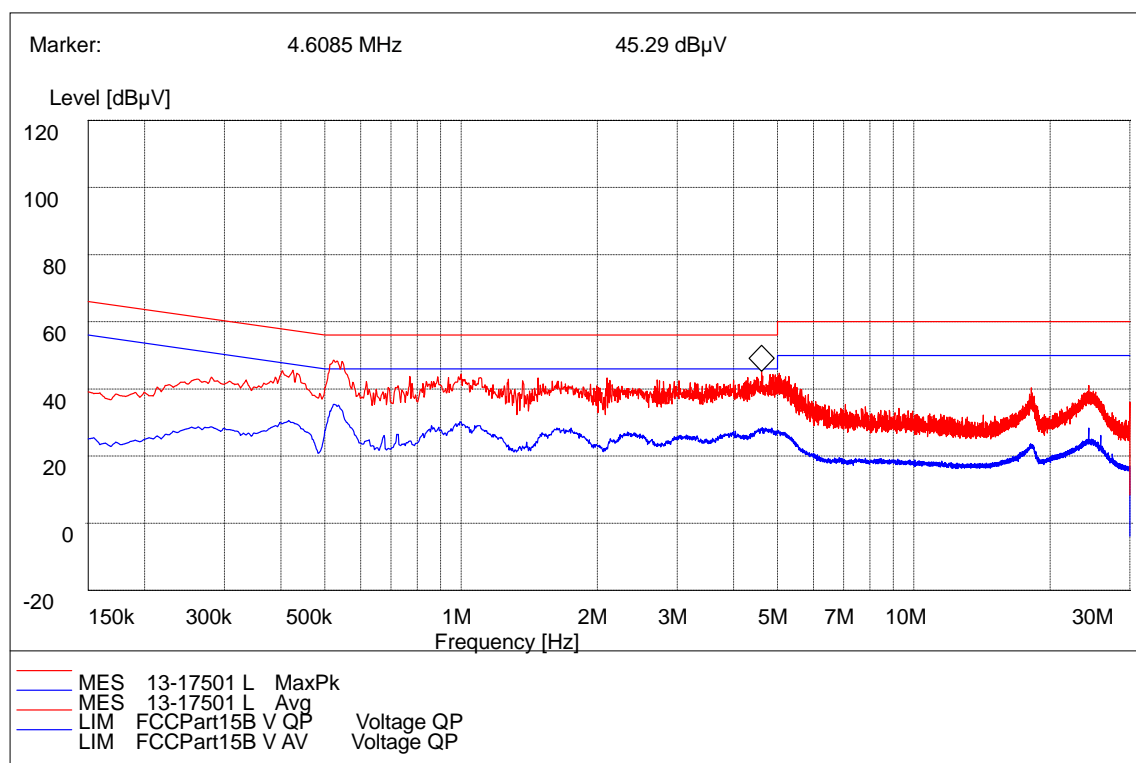
2.7.3 Test Result

The maximum conducted interference is searched using Peak (PK), if the emission levels more than the AV and QP limits, and that have narrow margins from the AV and QP limits will be re-measured with AV and QP detectors. Tests for both L phase and N phase lines of the power mains connected to the EUT are performed. Refer to recorded points and plots below.

A. Test setup:

The EUT configuration of the emission tests is EUT + PC.

B. Test Plots:



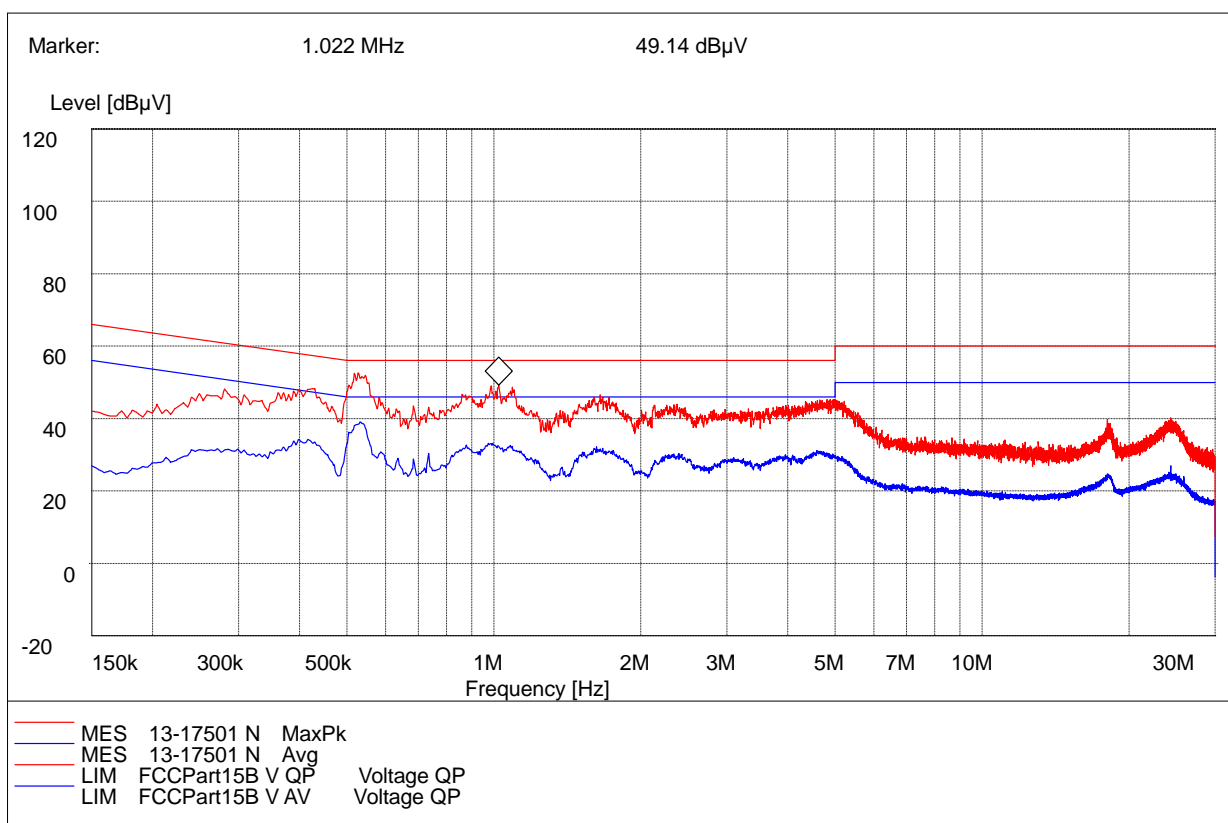
Conducted Disturbance at Mains Terminals

L Test Data

QP				AV			
Frequency (MHz)	Limits (dB μ V)	Measurement Value (dB μ V)	Margin (dB)	Frequency (MHz)	Limits (dB μ V)	Measurement Value (dB μ V)	Margin (dB)
0.4148	57.60	40.24	17.36	0.4148	47.60	30.23	17.37
0.5203	56.00	43.59	12.41	0.5203	46.00	34.54	11.46
4.6085	56.00	40.09	15.91	4.6085	46.00	30.64	15.36

L Test Curve

(Plot A: L Phase)





Conducted Disturbance at Mains Terminals							
N Test Data							
QP				AV			
Frequency (MHz)	Limits (dB μ V)	Measurement Value (dB μ V)	Margin (dB)	Frequency (MHz)	Limits (dB μ V)	Measurement Value (dB μ V)	Margin (dB)
1.022	56.00	43.24	12.76	1.022	46.00	33.23	12.77
10.8960	60.00	44.55	15.45	10.8960	50.00	28.08	21.92
11.8200	60.00	39.47	20.53	11.8200	50.00	32.35	17.65
N Test Curve							

(Plot B: N Phase)

Test Result: PASS

2.8 Radiated Emission

2.8.1 Requirement

According to FCC section 15.247(c), radiated emission outside the frequency band attenuation below the general limits specified in FCC section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in FCC section 15.205(a), must also comply with the radiated emission limits specified in FCC section 15.209(a).

According to FCC section 15.209 (a), except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength ($\mu\text{V/m}$)	Field Strength ($\text{dB } \mu\text{V/m}$)	Measurement Distance (m)
0.009 - 0.490	$2400/F(\text{kHz})$	$20\log(2400/F(\text{kHz}))+80$	300
0.490 - 1.705	$24000/F(\text{kHz})$	$20\log(24000/F(\text{kHz}))+40$	30
1.705 - 30.0	30	$20\log(30)+40$	30
30 - 88	100	40.0	3
88 - 216	150	43.5	3
216 - 960	200	46.0	3
Above 960	500	54.0	3

Note:

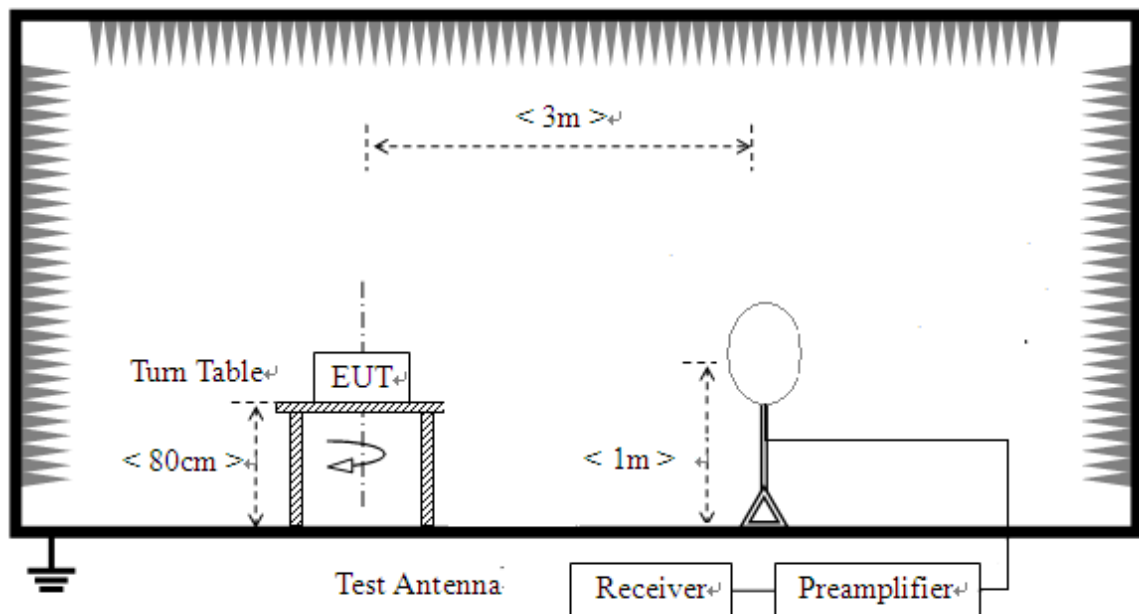
1. For Above 1000MHz, the emission limit in this paragraph is based on measurement instrumentation employing an average detector, measurement using instrumentation with a peak detector function, corresponding to 20dB above the maximum permitted average limit.
2. For above 1000MHz, limit field strength of harmonics: 54dBuV/m@3m (AV) and 74dBuV/m@3m (PK)

In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), also should comply with the radiated emission limits specified in Section 15.209(a)(above table)

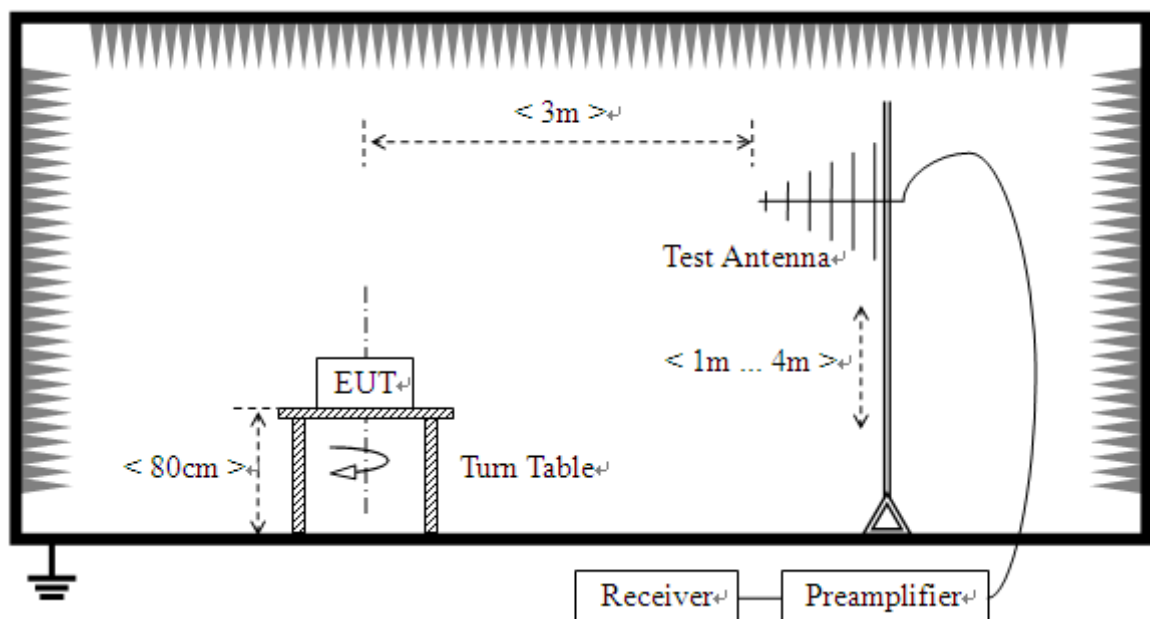
2.8.2 Test Description

A. Test Setup:

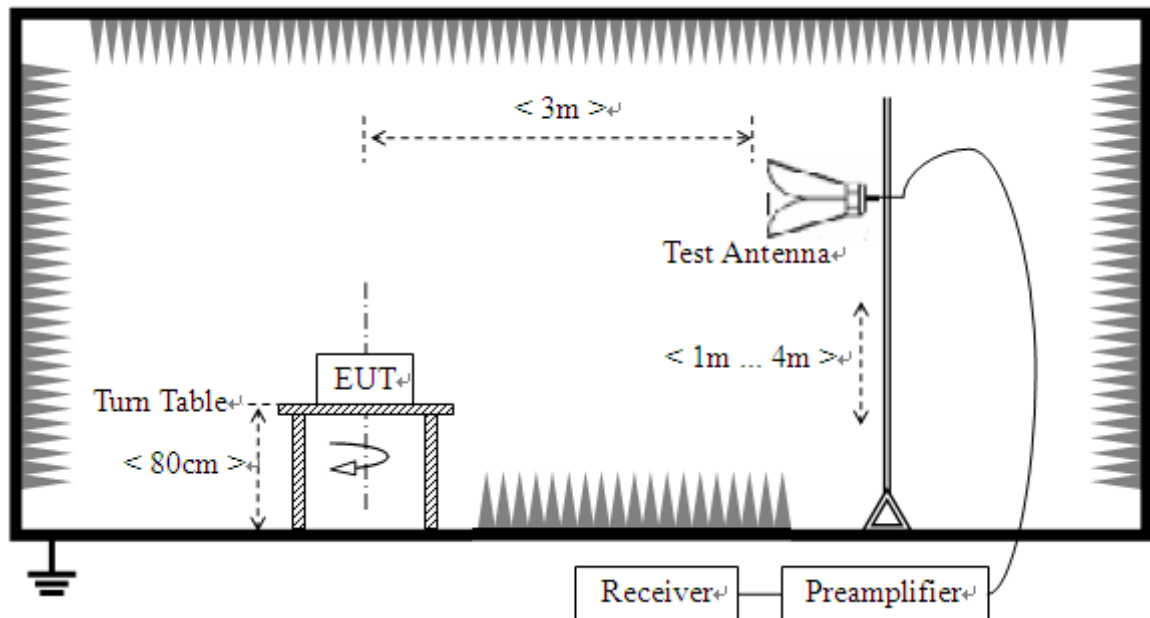
(1) For radiated emissions from 9kHz to 30MHz



(2) For radiated emissions from 30MHz to 1GHz



(3) For radiated emissions above 1GHz



The test site semi-anechoic chamber has met the requirement of NSA tolerance 4dB according to the standards: ANSI C63.4 (2009). The EUT was set-up on insulator 80cm above the Ground Plane. The set-up and test methods were according to ANSI C63.4.

The EUT was powered by the PC. The Module is located in a 3m Semi-Anechoic Chamber; the antenna factors, cable loss and so on of the site as factors are calculated to correct the reading. During the measurement, the digital modulation operation of the hybrid system, with the frequency hopping operation turned off, the EUT is activated and controlled by the PC, set to operate under WIFI test mode.

For the Test Antenna:

- In the frequency range of 9kHz to 30MHz, magnetic field is measured with Loop Test Antenna. The Test Antenna is positioned with its plane vertical at 1m distance from the EUT. The center of the Loop Test Antenna is 1m above the ground. During the measurement the Loop Test Antenna rotates about its vertical axis for maximum response at each azimuth about the EUT.
- In the frequency range above 30MHz, Bi-Log Test Antenna (30MHz to 1GHz) and Horn Test Antenna (above 1GHz) are used. Test Antenna is 3m away from the EUT. Test Antenna height is varied from 1m to 4m above the ground to determine the maximum value of the field strength. The emission levels at both horizontal and vertical polarizations should be tested.

B. Equipments List:

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due Date
Receiver	R&S	ESIB26	A0304218	2014.06.08	2015.06.07
Full-Anechoic Chamber	Albatross	12.8m*6.8m*6.4m	A0412372	2014.06.08	2015.06.07
Test Antenna - Bi-Log	Schwarzbeck	VULB 9163	9163-274	2014.06.10	2015.06.09
Test Antenna - Horn	R&S	BBHA 9120D	9120C-963	2014.06.10	2015.06.09
Test Antenna - Horn	R&S	HF960	100150	2014.06.10	2015.06.09
Test Antenna – Horn (18-25GHz)	ETS	UG-596A/U	A0902607	2014.06.06	2015.06.05
Test Antenna -Loop	Schwarzbeck	HFH2-Z2	100047	2014.06.03	2015.06.02
Ampilier 1G~18GHz	R&S	MITEQ AFS42-00 101800	25-S-42	2014.06.06	2015.06.05
Ampilier 18G~40GHz	R&S	JS42-1800 2600-28-5 A	12111.0980.00	2014.06.06	2015.06.05
amplifier 20M~3GHz	R&S	PAP-0203 H	22018	2014.06.11	2015.06.10

2.8.3 Test Result

According to ANSI C63.4 selection 4.2.2, because of peak detection will yield amplitudes equal to or greater than amplitudes measured with the quasi-peak (or average) detector, the measurement data from a spectrum analyzer peak detector will represent the worst-case results, if the peak measured value complies with the quasi-peak limit, it is unnecessary to perform an quasi-peak measurement.

The measurement results are obtained as below:

$$E \text{ [dB}\mu\text{V/m]} = U_R + A_T + A_{\text{Factor}} \text{ [dB]}; A_T = L_{\text{Cable loss}} \text{ [dB]} - G_{\text{preamp}} \text{ [dB]}$$

A_T : Total correction Factor except Antenna

U_R : Receiver Reading

G_{preamp} : Preamplifier Gain

A_{Factor} : Antenna Factor at 3m

$L_{\text{Cable loss}}$: Cable loss

During the test, the total correction Factor A_T and A_{Factor} were built in test software.

Note: All radiated emission tests were performed in X, Y, Z axis direction. And only the worst axis

test condition was recorded in this test report.

The minimum clock frequency was 24MHz, the radiated frequency range from 9KHz to 25GHz.

Note: 1. The radiated measurement are performed the each test mode (b/g/n) and channel (low/mid/high), the datum recorded below (802.11b mode, the middle channel) is the worst case for all the test mode and channel.

2. ULTRA-BROADBAND ANTENNA for the radiation emission test below 1G.

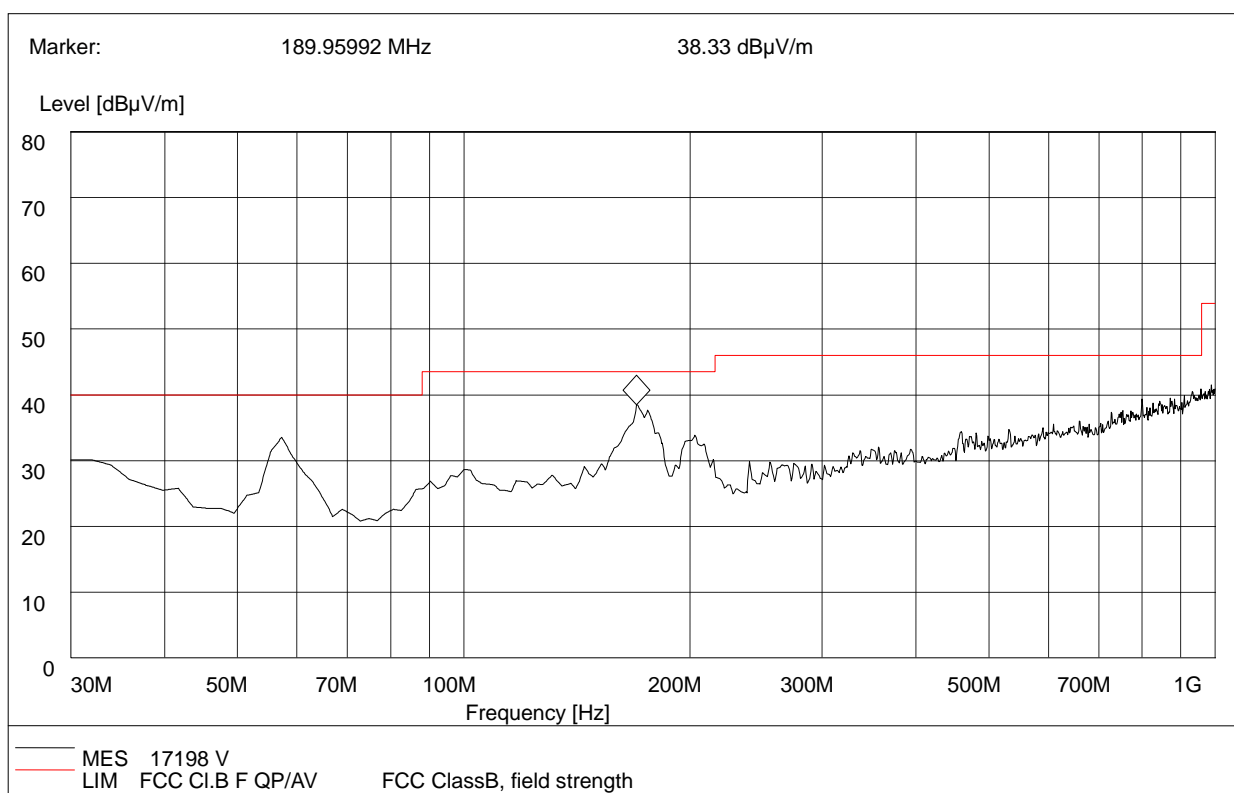
3. HORN ANTENNA for the radiation emission test above 1G.

Test plots for the whole measurement frequency range:

For 9KHz to 30MHz

The test has been performed, and the Radiated Emission level is too low to the limit.

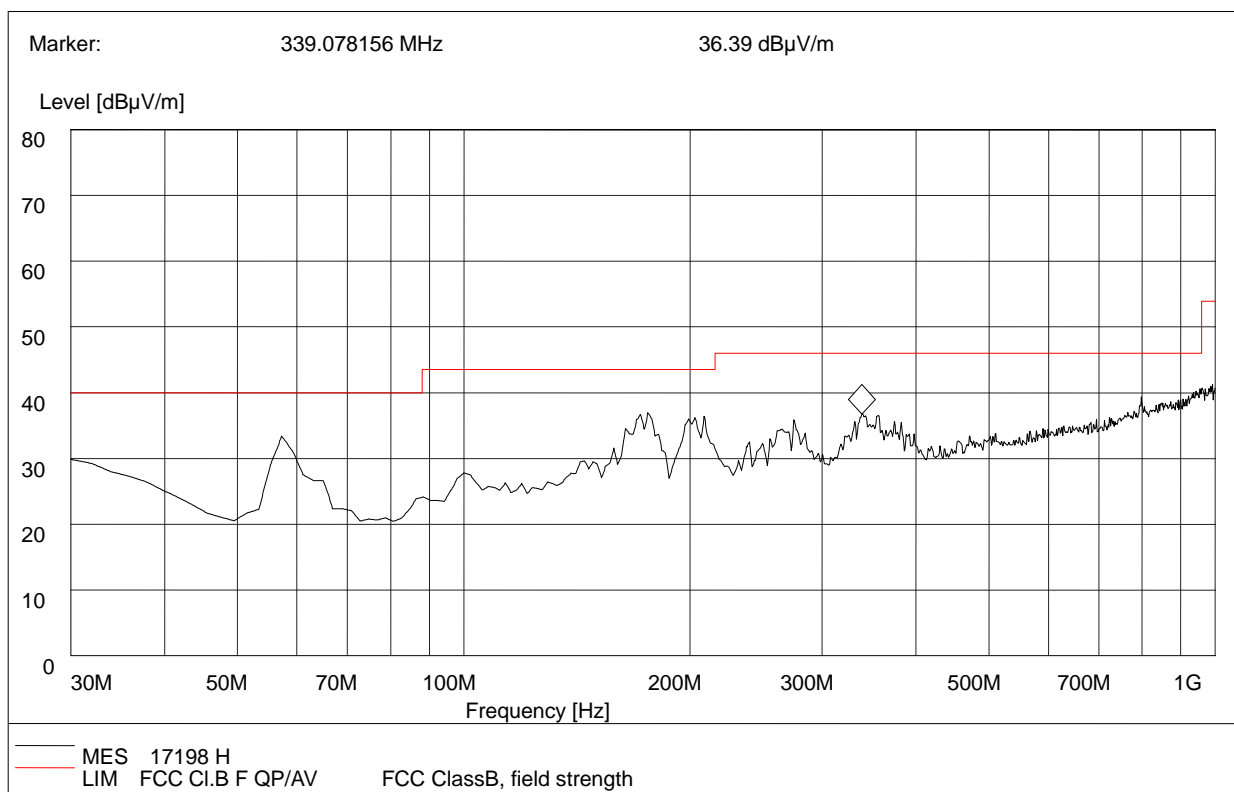
For 30MHz to 1000 MHz



(Plot A: 30MHz to 1GHz, Antenna Vertical)



Frequency (MHz)	QuasiPeak (dBμ V/m)	Bandwidth (kHz)	Antenna height (cm)	Limit (dBμ V/m)	Antenna	Verdict
59.427000	33.28	120.000	100.0	40.00	Vertical	Pass
189.95992	38.33	120.000	100.0	43.50	Vertical	Pass
348.797000	34.46	120.000	100.0	46.00	Vertical	Pass



(Plot B: 30MHz to 1GHz, Antenna Horizontal)

Frequency (MHz)	QuasiPeak (dBμV/m)	Bandwidth (kHz)	Antenna height (cm)	Limit (dBμV/m)	Antenna	Verdict
59.326000	33.48	120.000	100.0	40.00	Horizontal	Pass
185.768000	36.64	120.000	100.0	43.50	Horizontal	Pass
339.078156	36.39	120.000	100.0	46.00	Horizontal	Pass

**For 1GHz to 25GHz****ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M (802.11b--2412MHz)**

No.	Frequency (MHz)	Emssion Level		Limit (dBuV/m)	Margin (dB)	Antenna Height	Table Angle	Raw Value	Antenna Factor	Cable Factor	Pre-amplifier
1	*2412.00	108.88	PK	/	/	1.00 H	118	112.28	28.3	4.90	-36.6
1	*2412.00	98.24	AV	/	/	1.00 H	118	101.64	28.3	4.90	-36.6
2	4824.00	51.84	PK	74.00	22.16	1.00 H	24	48.64	32.7	7.00	-36.5
2	4824.00	46.43	AV	54.00	7.57	1.00 H	24	43.23	32.7	7.00	-36.5
3	7236.00	50.88	PK	74.00	23.12	1.00 H	107	41.48	35.8	8.90	-35.3
3	7236.00	43.70	AV	54.00	10.30	1.00 H	107	34.30	35.8	8.90	-35.3
4	9648.00	50.47	PK	74.00	23.53	1.00 H	39	37.87	37.2	10.20	-34.8
4	9648.00	44.84	AV	54.00	9.16	1.00 H	39	32.24	37.2	10.20	-34.8

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M (802.11b--2412MHz)

No.	Frequency (MHz)	Emssion Level		Limit (dBuV/m)	Margin (dB)	Antenna Height	Table Angle	Raw Value	Antenna Factor	Cable Factor	Pre-amplifier
1	*2412.00	109.42	PK	/	/	1.00 V	109	112.82	28.3	4.90	-36.6
1	*2412.00	99.33	AV	/	/	1.00 V	109	102.73	28.3	4.90	-36.6
2	4824.00	52.29	PK	74.00	21.71	1.00 V	62	49.09	32.7	7.00	-36.5
2	4824.00	45.79	AV	54.00	8.21	1.00 V	62	42.59	32.7	7.00	-36.5
3	7236.00	51.25	PK	74.00	22.75	1.00 V	349	41.85	35.8	8.90	-35.3
3	7236.00	43.91	AV	54.00	10.09	1.00 V	349	34.51	35.8	8.90	-35.3
4	9648.00	54.84	PK	74.00	19.16	1.00 V	211	42.24	37.2	10.20	-34.8
4	9648.00	46.18	AV	54.00	7.82	1.00 V	211	33.58	37.2	10.20	-34.8

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M (802.11b--2437MHz)

No.	Frequency (MHz)	Emssion Level		Limit (dBuV/m)	Margin (dB)	Antenna Height	Table Angle	Raw Value	Antenna Factor	Cable Factor	Pre-amplifier
1	*2437.00	107.21	PK	/	/	1.00 H	202	110.41	28.3	5.10	-36.6
1	*2437.00	99.56	AV	/	/	1.00 H	202	102.76	28.3	5.10	-36.6
2	4874.00	53.46	PK	74.00	20.54	1.00 H	187	50.06	32.3	7.60	-36.5
2	4874.00	47.79	AV	54.00	6.21	1.00 H	187	44.39	32.3	7.60	-36.5
3	7311.00	54.47	PK	74.00	19.53	1.00 H	107	45.07	36.1	8.60	-35.3
3	7311.00	48.39	AV	54.00	5.61	1.00 H	107	38.99	36.1	8.60	-35.3
4	9748.00	50.03	PK	74.00	23.97	1.00 H	144	37.43	37.2	10.20	-34.8
4	9748.00	43.13	AV	54.00	10.87	1.00 H	144	30.53	37.2	10.20	-34.8

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M (802.11b--2437MHz)

No.	Frequency (MHz)	Emssion Level		Limit (dBuV/m)	Margin (dB)	Antenna Height	Table Angle	Raw Value	Antenna Factor	Cable Factor	Pre-amplifier
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1	*2437.00	108.31	PK	/	/	1.00 V	104	111.51	28.3	5.10	-36.6
1	*2437.00	97.73	AV	/	/	1.00 V	104	100.93	28.3	5.10	-36.6
2	4874.00	51.45	PK	74.00	22.55	1.00 V	304	48.05	32.3	7.60	-36.5
2	4874.00	47.64	AV	54.00	6.36	1.00 V	304	44.24	32.3	7.60	-36.5
3	7311.00	49.52	PK	74.00	24.48	1.00 V	203	40.12	36.1	8.60	-35.3
3	7311.00	47.01	AV	54.00	6.99	1.00 V	203	37.61	36.1	8.60	-35.3
4	9748.00	49.14	PK	74.00	24.86	1.00 V	172	36.54	37.2	10.20	-34.8
4	9748.00	44.25	AV	54.00	9.75	1.00 V	172	31.65	37.2	10.20	-34.8

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M (802.11b--2462MHz)

No.	Frequency (MHz)	Emssion Level		Limit (dBuV/m)	Margin (dB)	Antenna Height	Table Angle	Raw Value	Antenna Factor	Cable Factor	Pre- amplifier
1	*2462.00	110.84	PK	/	/	1.00 H	325	114.14	28.6	4.70	-36.6
1	*2462.00	99.94	AV	/	/	1.00 H	325	103.24	28.6	4.70	-36.6
2	4924.00	52.17	PK	74.00	21.83	1.00 H	311	48.37	33	7.00	-36.2
2	4924.00	47.27	AV	54.00	6.73	1.00 H	311	43.47	33	7.00	-36.2
3	7386.00	50.27	PK	74.00	23.73	1.00 H	330	40.87	36.2	8.50	-35.3
3	7386.00	46.88	AV	54.00	7.12	1.00 H	330	37.48	36.2	8.50	-35.3
4	9848.00	51.79	PK	74.00	22.21	1.00 H	42	39.19	37.2	10.20	-34.8
4	9848.00	48.85	AV	54.00	5.15	1.00 H	42	36.25	37.2	10.20	-34.8

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M (802.11b--2462MHz)

No.	Frequency (MHz)	Emission Level		Limit (dBuV/m)	Margin (dB)	Antenna Height	Table Angle	Raw Value	Antenna Factor	Cable Factor	Pre- amplifier
1	*2462.00	112.48	PK	/	/	1.00 V	34	115.78	28.6	4.70	-36.6
1	*2462.00	99.81	AV	/	/	1.00 V	34	103.11	28.6	4.70	-36.6
2	4924.00	50.72	PK	74.00	23.28	1.00 V	55	46.92	33	7.00	-36.2
2	4924.00	43.84	AV	54.00	10.16	1.00 V	55	40.04	33	7.00	-36.2
3	7386.00	51.17	PK	74.00	22.83	1.00 V	258	41.77	36.2	8.50	-35.3
3	7386.00	48.03	AV	54.00	5.97	1.00 V	258	38.63	36.2	8.50	-35.3
4	9848.00	50.63	PK	74.00	23.37	1.00 V	254	38.03	37.2	10.20	-34.8
4	9848.00	48.27	AV	54.00	5.73	1.00 V	254	35.67	37.2	10.20	-34.8

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M (802.11g--2412MHz)

No.	Frequency (MHz)	Emssion Level		Limit (dBuV/m)	Margin (dB)	Antenna Height	Table Angle	Raw Value	Antenna Factor	Cable Factor	Pre- amplifier
1	*2412.00	109.50	PK	/	/	1.00 H	19	112.80	28.3	5.00	-36.6
1	*2412.00	99.74	AV	/	/	1.00 H	19	103.04	28.3	5.00	-36.6
2	4824.00	52.54	PK	74.00	21.46	1.00 H	321	48.74	32.7	7.30	-36.2
2	4824.00	47.42	AV	54.00	6.58	1.00 H	321	43.62	32.7	7.30	-36.2
3	7236.00	51.39	PK	74.00	22.61	1.00 H	207	41.99	35.8	8.90	-35.3
3	7236.00	48.24	AV	54.00	5.76	1.00 H	207	38.84	35.8	8.90	-35.3



4	9648.00	51.03	PK	74.00	22.97	1.00 H	304	38.43	37.2	10.20	-34.8
4	9648.00	44.57	AV	54.00	9.43	1.00 H	304	31.97	37.2	10.20	-34.8

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M (802.11g--2412MHz)

No.	Frequency (MHz)	Emssion Level		Limit (dBuV/m)	Margin (dB)	Antenna Height	Table Angle	Raw Value	Antenna Factor	Cable Factor	Pre- amplifier
1	*2412.00	106.88	PK	/	/	1.00 V	174	110.18	28.3	5.00	-36.6
1	*2412.00	96.17	AV	/	/	1.00 V	174	99.47	28.3	5.00	-36.6
2	4824.00	53.55	PK	74.00	20.45	1.00 V	68	49.75	32.7	7.30	-36.2
2	4824.00	47.64	AV	54.00	6.36	1.00 V	68	43.84	32.7	7.30	-36.2
3	7236.00	52.27	PK	74.00	21.73	1.00 V	169	42.87	35.8	8.90	-35.3
3	7236.00	47.74	AV	54.00	6.26	1.00 V	169	38.34	35.8	8.90	-35.3
4	9648.00	50.36	PK	74.00	23.64	1.00 V	298	37.76	37.2	10.20	-34.8
4	9648.00	47.09	AV	54.00	6.91	1.00 V	298	34.49	37.2	10.20	-34.8

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M (802.11g--2437MHz)

No.	Frequency (MHz)	Emssion Level		Limit (dBuV/m)	Margin (dB)	Antenna Height	Table Angle	Raw Value	Antenna Factor	Cable Factor	Pre- amplifier
1	*2437.00	108.18	PK	/	/	1.00 H	54	111.38	28.3	5.10	-36.6
1	*2437.00	97.61	AV	/	/	1.00 H	54	100.81	28.3	5.10	-36.6
2	4874.00	51.26	PK	74.00	22.74	1.00 H	117	47.86	32.8	7.10	-36.5
2	4874.00	47.06	AV	54.00	6.94	1.00 H	117	43.66	32.8	7.10	-36.5
3	7311.00	49.76	PK	74.00	24.24	1.00 H	328	40.36	36.1	8.60	-35.3
3	7311.00	45.02	AV	54.00	8.98	1.00 H	328	35.62	36.1	8.60	-35.3
4	9748.00	51.23	PK	74.00	22.77	1.00 H	19	38.63	37.2	10.20	-34.8
4	9748.00	45.16	AV	54.00	8.84	1.00 H	19	32.56	37.2	10.20	-34.8

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M (802.11g--2437MHz)

No.	Frequency (MHz)	Emssion Level		Limit (dBuV/m)	Margin (dB)	Antenna Height	Table Angle	Raw Value	Antenna Factor	Cable Factor	Pre- amplifier
1	*2437.00	108.41	PK	/	/	1.00 V	122	111.61	28.3	5.10	-36.6
1	*2437.00	97.95	AV	/	/	1.00 V	122	101.15	28.3	5.10	-36.6
2	4874.00	51.71	PK	74.00	22.29	1.00 V	156	48.31	32.8	7.10	-36.5
2	4874.00	47.13	AV	54.00	6.87	1.00 V	156	43.73	32.8	7.10	-36.5
3	7311.00	50.20	PK	74.00	23.80	1.00 V	98	40.80	36.1	8.60	-35.3
3	7311.00	46.26	AV	54.00	7.74	1.00 V	98	36.86	36.1	8.60	-35.3
4	9748.00	49.75	PK	74.00	24.25	1.00 V	197	37.15	37.2	10.20	-34.8
4	9748.00	45.07	AV	54.00	8.93	1.00 V	197	32.47	37.2	10.20	-34.8


ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M (802.11g--2462MHz)

No.	Frequency (MHz)	Emssion Level		Limit (dBuV/m)	Margin (dB)	Antenna Height	Table Angle	Raw Value	Antenna Factor	Cable Factor	Pre-amplifier
1	*2462.00	107.04	PK	/	/	1.00 V	103	110.34	28.2	5.10	-36.6
1	*2462.00	99.84	AV	/	/	1.00 V	103	103.14	28.2	5.10	-36.6
2	4924.00	51.48	PK	74.00	22.52	1.00 V	342	47.68	33	7.00	-36.2
2	4924.00	44.68	AV	54.00	9.32	1.00 V	342	40.88	33	7.00	-36.2
3	7386.00	50.98	PK	74.00	23.02	1.00 V	179	41.58	36.2	8.50	-35.3
3	7386.00	46.19	AV	54.00	7.81	1.00 V	179	36.79	36.2	8.50	-35.3
4	9848.00	50.45	PK	74.00	23.55	1.00 V	293	37.85	37.3	10.10	-34.8
4	9848.00	46.04	AV	54.00	7.96	1.00 V	293	33.44	37.3	10.10	-34.8

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M (802.11g--2462MHz)

No.	Frequency (MHz)	Emssion Level		Limit (dBuV/m)	Margin (dB)	Antenna Height	Table Angle	Raw Value	Antenna Factor	Cable Factor	Pre-amplifier
1	*2462.00	107.73	PK	/	/	1.00 H	220	111.03	28.2	5.10	-36.6
1	*2462.00	98.23	AV	/	/	1.00 H	220	101.53	28.2	5.10	-36.6
2	4924.00	52.00	PK	74.00	22.00	1.00 H	343	48.20	33	7.00	-36.2
2	4924.00	47.17	AV	54.00	6.83	1.00 H	343	43.37	33	7.00	-36.2
3	7386.00	50.59	PK	74.00	23.41	1.00 H	135	41.19	36.2	8.50	-35.3
3	7386.00	46.83	AV	54.00	7.17	1.00 H	135	37.43	36.2	8.50	-35.3
4	9848.00	49.16	PK	74.00	24.84	1.00 H	177	36.56	37.3	10.10	-34.8
4	9848.00	44.16	AV	54.00	9.84	1.00 H	177	31.56	37.3	10.10	-34.8

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M (802.11n-20--2412MHz)

No.	Frequency (MHz)	Emssion Level		Limit (dBuV/m)	Margin (dB)	Antenna Height	Table Angle	Raw Value	Antenna Factor	Cable Factor	Pre-amplifier
1	*2412.00	106.71	PK	/	/	1.00 H	71	110.01	28.3	5.00	-36.6
1	*2412.00	96.76	AV	/	/	1.00 H	71	100.06	28.3	5.00	-36.6
2	4824.00	51.54	PK	74.00	22.46	1.00 H	150	47.74	32.7	7.30	-36.2
2	4824.00	45.83	AV	54.00	8.17	1.00 H	150	42.03	32.7	7.30	-36.2
3	7236.00	50.99	PK	74.00	23.01	1.00 H	337	41.59	35.8	8.90	-35.3
3	7236.00	46.73	AV	54.00	7.27	1.00 H	337	37.33	35.8	8.90	-35.3
4	9648.00	50.26	PK	74.00	23.74	1.00 H	12	37.66	37.2	10.20	-34.8
4	9648.00	44.94	AV	54.00	9.06	1.00 H	12	32.34	37.2	10.20	-34.8

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M (802.11n-20--2412MHz)

No.	Frequency (MHz)	Emssion Level		Limit (dBuV/m)	Margin (dB)	Antenna Height	Table Angle	Raw Value	Antenna Factor	Cable Factor	Pre-amplifier
1	*2412.00	108.97	PK	/	/	1.00 V	189	112.27	28.3	5.00	-36.6
1	*2412.00	98.10	AV	/	/	1.00 V	189	101.40	28.3	5.00	-36.6



2	4824.00	50.57	PK	74.00	23.43	1.00 V	96	46.77	32.7	7.30	-36.2
2	4824.00	44.41	AV	54.00	9.59	1.00 V	96	40.61	32.7	7.30	-36.2
3	7236.00	50.71	PK	74.00	23.29	1.00 V	233	41.31	35.8	8.90	-35.3
3	7236.00	47.75	AV	54.00	6.25	1.00 V	233	38.35	35.8	8.90	-35.3
4	9648.00	48.86	PK	74.00	25.14	1.00 V	304	36.26	37.2	10.20	-34.8
4	9648.00	45.04	AV	54.00	8.96	1.00 V	304	32.44	37.2	10.20	-34.8

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M (802.11n-20--2437MHz)

No.	Frequency (MHz)	Emssion Level		Limit (dBuV/m)	Margin (dB)	Antenna Height	Table Angle	Raw Value	Antenna Factor	Cable Factor	Pre- amplifier
1	*2437.00	107.83	PK	/	/	1.00 H	349	111.03	28.3	5.10	-36.6
1	*2437.00	99.25	AV	/	/	1.00 H	349	102.45	28.3	5.10	-36.6
2	4874.00	51.98	PK	74.00	22.02	1.00 H	309	48.58	32.3	7.60	-36.5
2	4874.00	48.01	AV	54.00	5.99	1.00 H	309	44.61	32.3	7.60	-36.5
3	7311.00	51.14	PK	74.00	22.86	1.00 H	188	41.74	36.1	8.60	-35.3
3	7311.00	48.58	AV	54.00	5.42	1.00 H	188	39.18	36.1	8.60	-35.3
4	9748.00	50.27	PK	74.00	23.73	1.00 H	74	37.67	37.2	10.20	-34.8
4	9748.00	45.88	AV	54.00	8.12	1.00 H	74	33.28	37.2	10.20	-34.8

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M (802.11n-20--2437MHz)

No.	Frequency (MHz)	Emssion Level		Limit (dBuV/m)	Margin (dB)	Antenna Height	Table Angle	Raw Value	Antenna Factor	Cable Factor	Pre- amplifier
1	*2437.00	108.69	PK	/	/	1.00 V	205	111.89	28.3	5.10	-36.6
1	*2437.00	98.46	AV	/	/	1.00 V	205	101.66	28.3	5.10	-36.6
2	4874.00	52.97	PK	74.00	21.03	1.00 V	262	49.57	32.3	7.60	-36.5
2	4874.00	48.77	AV	54.00	5.23	1.00 V	262	45.37	32.3	7.60	-36.5
3	7311.00	51.53	PK	74.00	22.47	1.00 V	338	42.13	36.1	8.60	-35.3
3	7311.00	45.79	AV	54.00	8.21	1.00 V	338	36.39	36.1	8.60	-35.3
4	9748.00	50.41	PK	74.00	23.59	1.00 V	152	37.81	37.2	10.20	-34.8
4	9748.00	42.37	AV	54.00	11.63	1.00 V	152	29.77	37.2	10.20	-34.8

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M (802.11n-20--2462MHz)

No.	Frequency (MHz)	Emssion Level		Limit (dBuV/m)	Margin (dB)	Antenna Height	Table Angle	Raw Value	Antenna Factor	Cable Factor	Pre- amplifier
1	*2462.00	108.65	PK	/	/	1.00 H	235	111.95	28.2	5.10	-36.6
1	*2462.00	99.44	AV	/	/	1.00 H	235	102.74	28.2	5.10	-36.6
2	4924.00	51.86	PK	74.00	22.14	1.00 H	104	48.06	33	7.00	-36.2
2	4924.00	46.14	AV	54.00	7.86	1.00 H	104	42.34	33	7.00	-36.2
3	7386.00	51.05	PK	74.00	22.95	1.00 H	329	41.65	36.2	8.50	-35.3
3	7386.00	46.08	AV	54.00	7.92	1.00 H	329	36.68	36.2	8.50	-35.3
4	9848.00	52.18	PK	74.00	21.82	1.00 H	190	39.58	37.3	10.10	-34.8
4	9848.00	46.47	AV	54.00	7.53	1.00 H	190	33.87	37.3	10.10	-34.8

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M (802.11n-20--2462MHz)

No.	Frequency (MHz)	Emssion Level		Limit (dBuV/m)	Margin (dB)	Antenna Height	Table Angle	Raw Value	Antenna Factor	Cable Factor	Pre-amplifier
1	*2462.00	109.08	PK	/	/	1.00 V	176	112.38	28.2	5.10	-36.6
1	*2462.00	99.35	AV	/	/	1.00 V	176	102.65	28.2	5.10	-36.6
2	4924.00	49.92	PK	74.00	24.08	1.00 V	117	46.12	33	7.00	-36.2
2	4924.00	44.40	AV	54.00	9.60	1.00 V	117	40.60	33	7.00	-36.2
3	7386.00	51.35	PK	74.00	22.65	1.00 V	294	41.95	36.2	8.50	-35.3
3	7386.00	47.43	AV	54.00	6.57	1.00 V	294	38.03	36.2	8.50	-35.3
4	9848.00	49.47	PK	74.00	24.53	1.00 V	84	36.87	37.3	10.10	-34.8
4	9848.00	43.49	AV	54.00	10.51	1.00 V	84	30.89	37.3	10.10	-34.8

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M (802.11n-40--2422MHz)

No.	Frequency (MHz)	Emssion Level		Limit (dBuV/m)	Margin (dB)	Antenna Height	Table Angle	Raw Value	Antenna Factor	Cable Factor	Pre-amplifier
1	*2422.00	106.02	PK	/	/	1.00 H	71	109.32	28.3	5.00	-36.6
1	*2422.00	96.07	AV	/	/	1.00 H	71	99.37	28.3	5.00	-36.6
2	4844.00	50.85	PK	74.00	23.15	1.00 H	150	47.05	32.7	7.30	-36.2
2	4844.00	45.09	AV	54.00	8.91	1.00 H	150	41.29	32.7	7.30	-36.2
3	7266.00	50.21	PK	74.00	23.79	1.00 H	337	40.81	35.8	8.90	-35.3
3	7266.00	46.00	AV	54.00	8.00	1.00 H	337	36.60	35.8	8.90	-35.3
4	9688.00	49.53	PK	74.00	24.47	1.00 H	12	36.93	37.2	10.20	-34.8
4	9688.00	44.17	AV	54.00	9.83	1.00 H	12	31.57	37.2	10.20	-34.8

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M (802.11n-40--2422MHz)

No.	Frequency (MHz)	Emssion Level		Limit (dBuV/m)	Margin (dB)	Antenna Height	Table Angle	Raw Value	Antenna Factor	Cable Factor	Pre-amplifier
1	*2422.00	108.74	PK	/	/	1.00 V	189	112.04	28.3	5.00	-36.6
1	*2422.00	97.85	AV	/	/	1.00 V	189	101.15	28.3	5.00	-36.6
2	4844.00	50.74	PK	74.00	23.26	1.00 V	96	46.94	32.7	7.30	-36.2
2	4844.00	44.17	AV	54.00	9.83	1.00 V	96	40.37	32.7	7.30	-36.2
3	7266.00	50.45	PK	74.00	23.55	1.00 V	233	41.05	35.8	8.90	-35.3
3	7266.00	47.52	AV	54.00	6.48	1.00 V	233	38.12	35.8	8.90	-35.3
4	9688.00	48.09	PK	74.00	25.91	1.00 V	304	35.49	37.2	10.20	-34.8
4	9688.00	44.79	AV	54.00	9.21	1.00 V	304	32.19	37.2	10.20	-34.8

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M (802.11n-40--2437MHz)

No.	Frequency (MHz)	Emssion Level		Limit (dBuV/m)	Margin (dB)	Antenna Height	Table Angle	Raw Value	Antenna Factor	Cable Factor	Pre-amplifier
1	*2437.00	107.60	PK	/	/	1.00 H	349	110.80	28.3	5.10	-36.6



1	*2437.00	98.96	AV	/	/	1.00 H	349	102.16	28.3	5.10	-36.6
2	4874.00	51.72	PK	74.00	22.28	1.00 H	309	48.32	32.3	7.60	-36.5
2	4874.00	47.77	AV	54.00	6.23	1.00 H	309	44.37	32.3	7.60	-36.5
3	7311.00	50.96	PK	74.00	23.04	1.00 H	188	41.56	36.1	8.60	-35.3
3	7311.00	48.35	AV	54.00	5.65	1.00 H	188	38.95	36.1	8.60	-35.3
4	9748.00	50.02	PK	74.00	23.98	1.00 H	74	37.42	37.2	10.20	-34.8
4	9748.00	45.63	AV	54.00	8.37	1.00 H	74	33.03	37.2	10.20	-34.8

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M (802.11n-40--2437MHz)

No.	Frequency (MHz)	Emssion Level		Limit (dBuV/m)	Margin (dB)	Antenna Height	Table Angle	Raw Value	Antenna Factor	Cable Factor	Pre-amplifier
1	*2437.00	108.46	PK	/	/	1.00 V	205	111.66	28.3	5.10	-36.6
1	*2437.00	98.21	AV	/	/	1.00 V	205	101.41	28.3	5.10	-36.6
2	4874.00	52.75	PK	74.00	21.25	1.00 V	262	49.35	32.3	7.60	-36.5
2	4874.00	48.53	AV	54.00	5.47	1.00 V	262	45.13	32.3	7.60	-36.5
3	7311.00	51.27	PK	74.00	22.73	1.00 V	338	41.87	36.1	8.60	-35.3
3	7311.00	45.56	AV	54.00	8.44	1.00 V	338	36.16	36.1	8.60	-35.3
4	9748.00	50.16	PK	74.00	23.84	1.00 V	152	37.56	37.2	10.20	-34.8
4	9748.00	42.12	AV	54.00	11.88	1.00 V	152	29.52	37.2	10.20	-34.8

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M (802.11n-40--2452MHz)

No.	Frequency (MHz)	Emssion Level		Limit (dBuV/m)	Margin (dB)	Antenna Height	Table Angle	Raw Value	Antenna Factor	Cable Factor	Pre-amplifier
1	*2452.00	108.42	PK	/	/	1.00 H	235	111.72	28.2	5.10	-36.6
1	*2452.00	99.19	AV	/	/	1.00 H	235	102.49	28.2	5.10	-36.6
2	4904.00	51.60	PK	74.00	22.40	1.00 H	104	47.80	33	7.00	-36.2
2	4904.00	45.90	AV	54.00	8.10	1.00 H	104	42.10	33	7.00	-36.2
3	7356.00	50.79	PK	74.00	23.21	1.00 H	329	41.39	36.2	8.50	-35.3
3	7356.00	45.85	AV	54.00	8.15	1.00 H	329	36.45	36.2	8.50	-35.3
4	9808.00	51.93	PK	74.00	22.07	1.00 H	190	39.33	37.3	10.10	-34.8
4	9808.00	46.22	AV	54.00	7.78	1.00 H	190	33.62	37.3	10.10	-34.8

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M (802.11n-40--2452MHz)

No.	Frequency (MHz)	Emssion Level		Limit (dBuV/m)	Margin (dB)	Antenna Height	Table Angle	Raw Value	Antenna Factor	Cable Factor	Pre-amplifier
1	*2452.00	108.85	PK	/	/	1.00 V	176	112.15	28.2	5.10	-36.6
1	*2452.00	99.10	AV	/	/	1.00 V	176	102.40	28.2	5.10	-36.6
2	4904.00	49.66	PK	74.00	24.34	1.00 V	117	45.86	33	7.00	-36.2
2	4904.00	44.23	AV	54.00	9.77	1.00 V	117	40.43	33	7.00	-36.2
3	7356.00	51.09	PK	74.00	22.91	1.00 V	294	41.69	36.2	8.50	-35.3
3	7356.00	47.20	AV	54.00	6.80	1.00 V	294	37.80	36.2	8.50	-35.3
4	9808.00	49.22	PK	74.00	24.78	1.00 V	84	36.62	37.3	10.10	-34.8



4	9808.00	43.24	AV	54.00	10.76	1.00 V	84	30.64	37.3	10.10	-34.8
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- REMARKS:**
1. Emission level (dBuV/m) = Raw Value (dBuV) + Antenna Factor (dB/m) + Cable Factor (dB) + Pre-amplifier Factor
 2. The other emission levels were very low against the limit.
 3. The other emission levels were very low against the limit.
 4. Margin value = Limit value - Emission level.
 5. The limit value is defined as per 15.247
 6. “ * “ : Fundamental frequency

**** END OF REPORT ****