



FCC/IC- TEST REPORT

Report Number : **68.950.14.276.01** Date of Issue: Dec 12, 2014

Model : 363005

Product Type : MP10QCFSG Module

Applicant : ICON Health & Fitness Inc.

Address : 1500 South 1000 West, Logan UT 84321, USA

Production Facility : Wanlida Group Co., Ltd.

Address : Wanlida Industry Zone, 363601 Nanjing, Fujian,

PEOPLE'S REPUBLIC OF CHINA

Test Result : **Positive** **Negative**

Total pages including Appendices : 43

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1 Table of Contents

1	Table of Contents	2
2	Details about the Test Laboratory	3
3	Description of the Equipment under Test	4
4	Summary of Test Standards.....	5
5	Summary of Test Results	6
6	General Remarks	7
7	Test Setups	8
8	Systems test configuration	9
9	Technical Requirement	10
9.1	Conducted Emission.....	10
9.2	Conducted peak output power	13
9.3	6dB bandwidth and 99% Occupied Bandwidth	14
9.4	Power spectral density.....	19
9.5	Spurious RF conducted emissions	20
9.6	Band edge	34
9.7	Spurious radiated emissions for transmitter.....	38
10	Test Equipment List	42
11	System Measurement Uncertainty	43

2 Details about the Test Laboratory

Details about the Test Laboratory

Test Site 1

Company name: TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
Building 12&13, Zhiheng Wisdomland Business Park,
Nantou Checkpoint Road 2, Nanshan District,
Shenzhen City, 518052,
P. R. China

Telephone: 86 755 8828 6998

Fax: 86 755 828 5299

Test Site 2

Company name: Audix Technology (shenzhen) Co.,Ltd
Block Shenzhen, Science & Industry Park,
Nantou, Shenzhen,
Guangdong,
China

Telephone: 86 755 2663 9496

Fax: 86 755 2663 2877

3 Description of the Equipment under Test

Description of the Equipment Under Test

Product:	MP10QCFSG Module
Model no.:	363005
FCC ID:	OMC363005
IC ID:	3673A-363005
Options and accessories:	NIL
Rating:	DC 12V Powered by external power supply: Adaptor Input: 100-240VAC, 50/60Hz Adaptor Output: 12VDC, 2.0A
RF Transmission Frequency:	2412-2462MHz
No. of Operated Channel:	11
Modulation:	OFDM, DSSS
Duty Cycle:	100%
Antenna Type:	Embedded Type Antenna
Antenna Gain:	1dBi
Description of the EUT:	The Equipment Under Test (EUT) is a MP10QCFSG Module with WIFI function operating at 2.4GHz .

4 Summary of Test Standards

Test Standards	
FCC Part 15 Subpart C 10-1-2014 Edition	PART 15 - RADIO FREQUENCY DEVICES Subpart C - Intentional Radiators
RSS-Gen Issue 4 November 2014	General Requirements for the Certification of Radio Apparatus
RSS-210 Issue 8 December 2010	RSS-210 — Licence-exempt Radio Apparatus (All Frequency Bands): Category I Equipment

All the test methods were according to KDB558074 D01 DTS Meas Guidance v03r02 and ANSI C63.10 (2013).

5 Summary of Test Results

Technical Requirements							
FCC Part 15 Subpart C, RSS-Gen, RSS-210							
Test Condition			Pages	Test Site	Test Result		
					Pass	Fail	N/A
§15.207	RSS-GEN A8.8	Conducted emission AC power port	10	---	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
§15.247 (b) (1)	RSS-210 A8.4	Conducted peak output power	13	Site 2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
§15.247(a)(1)	RSS-210 A8.2(a) & RSSGEN 6.6	20dB bandwidth	---	---	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
§15.247(a)(1)	RSS-210 A8.1(a)	Carrier frequency separation	---	---	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
§15.247(a)(1)(iii)	RSS-210 A8.1(b)	Number of hopping frequencies	---	---	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
§15.247(a)(1)(iii)	RSS-210 A8.1(d)	Dwell Time	---	---	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
§15.247(a)(2)	RSS-210 A8.1(c)	6dB bandwidth and 99% Occupied Bandwidth	14	Site 2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
§15.247(e)	RSS-210 A8.2(b)	Power spectral density	19	Site 2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
§15.247(d)	RSS-210 A8.5	Spurious RF conducted emissions	20	Site 2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
§15.247(d)	RSS-210 A8.5	Band edge	34	Site 2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
§15.247(d) & §15.209	RSS-210 2.5 & RSSGEN 6.13	Spurious radiated emissions for transmitter	38	Site 2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
§15.203	RSSGEN 8.3	Antenna requirement	See note 1		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Remark 1: N/A – Not Applicable.

Note 1: The EUT uses a Embedded Type antenna, which gain is 1dBi. According to §15.203 and RSSGEN 8.3, it is considered sufficiently to comply with the provisions of this section.

6 General Remarks

Remarks

This submittal(s) (test report) is intended for FCC ID: OMC363005, IC ID: 3673A-363005 complies with Section 15.207, 15.209, 15.247 of the FCC Part 15, Subpart C Rules and RSS-210.

SUMMARY:

All tests according to the regulations cited on page 5 were

■ - Performed

□ - **Not** Performed

The Equipment under Test

■ - **Fulfills** the general approval requirements.

□ - **Does not** fulfill the general approval requirements.

Sample Received Date: November 5, 2014

Testing Start Date: November 6, 2014

Testing End Date: December 11, 2014

- Jiangsu TÜV Product Service Ltd. – Shenzhen Branch -

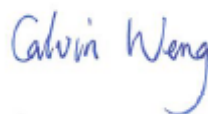
Reviewed by:

Prepared by:

Tested by:



Phoebe Hu
EMC Project Manager



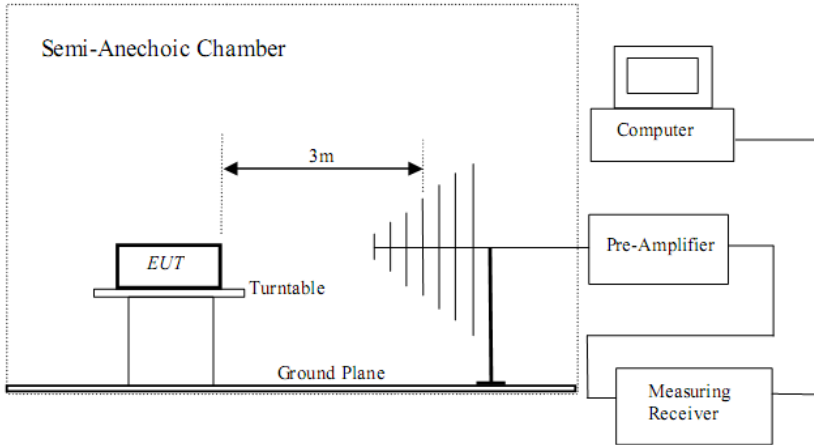
Calvin Weng
EMC Project Engineer



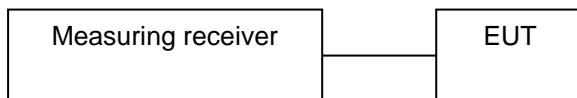
Leo Li
EMC Test Engineer

7 Test Setups

7.1 Radiated test setups



7.2 Conducted RF test setups



8 Systems test configuration

Auxiliary Equipment Used during Test:

DESCRIPTION	MANUFACTURER	MODEL NO.(SHIELD)	S/N(LENGTH)
---	---	---	---

Test software: USI_BCM_Testing_Tool.

The system was configured to channel 1(2412MHz), 6(2437MHz), and 11(2462MHz) for the test.

9 Technical Requirement

9.1 Conducted Emission

Test Method

1. The EUT was placed on a table, which is 0.8m above ground plane
2. The power line of the EUT is connected to the AC mains through a Artificial Mains Network (A.M.N.).
3. Maximum procedure was performed to ensure EUT compliance
4. A EMI test receiver is used to test the emissions from both sides of AC line

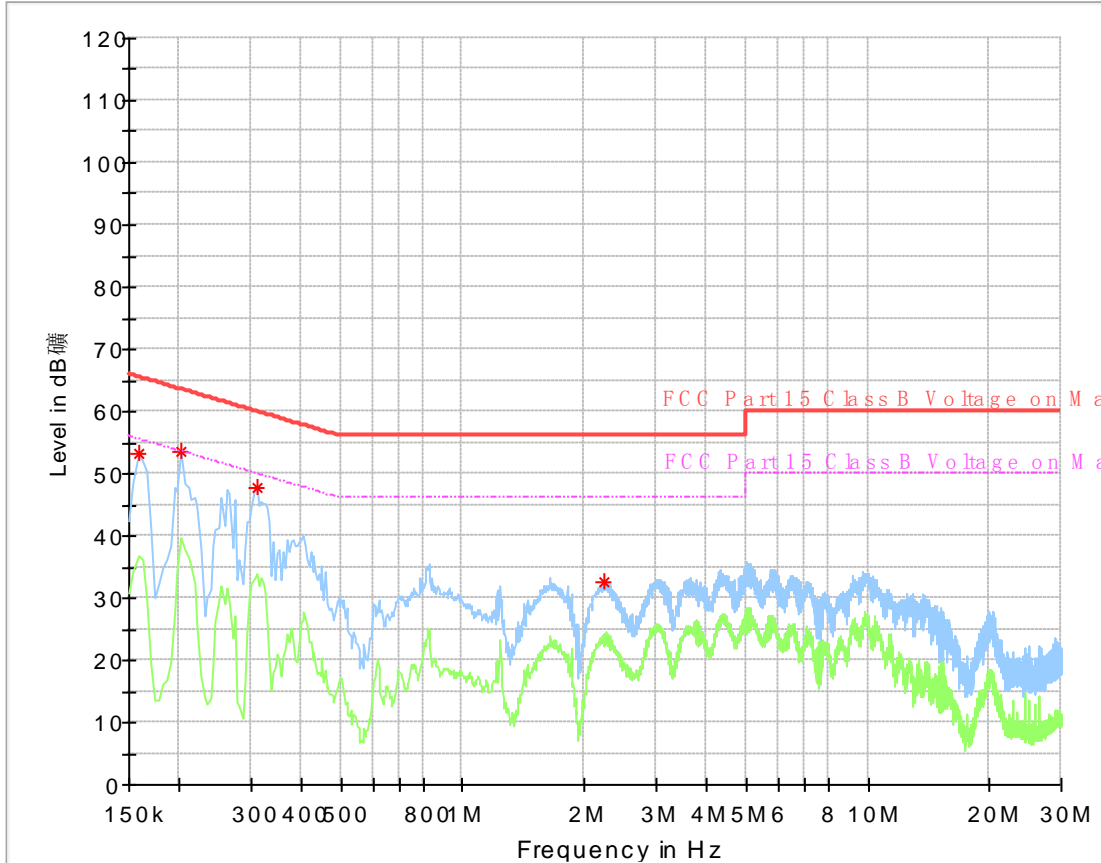
Limit

According to §15.207, conducted emissions limit as below:

Frequency MHz	QP Limit dB μ V	AV Limit dB μ V
0.150-0.500	66-56*	56-46*
0.500-5	56	46
5-30	60	50

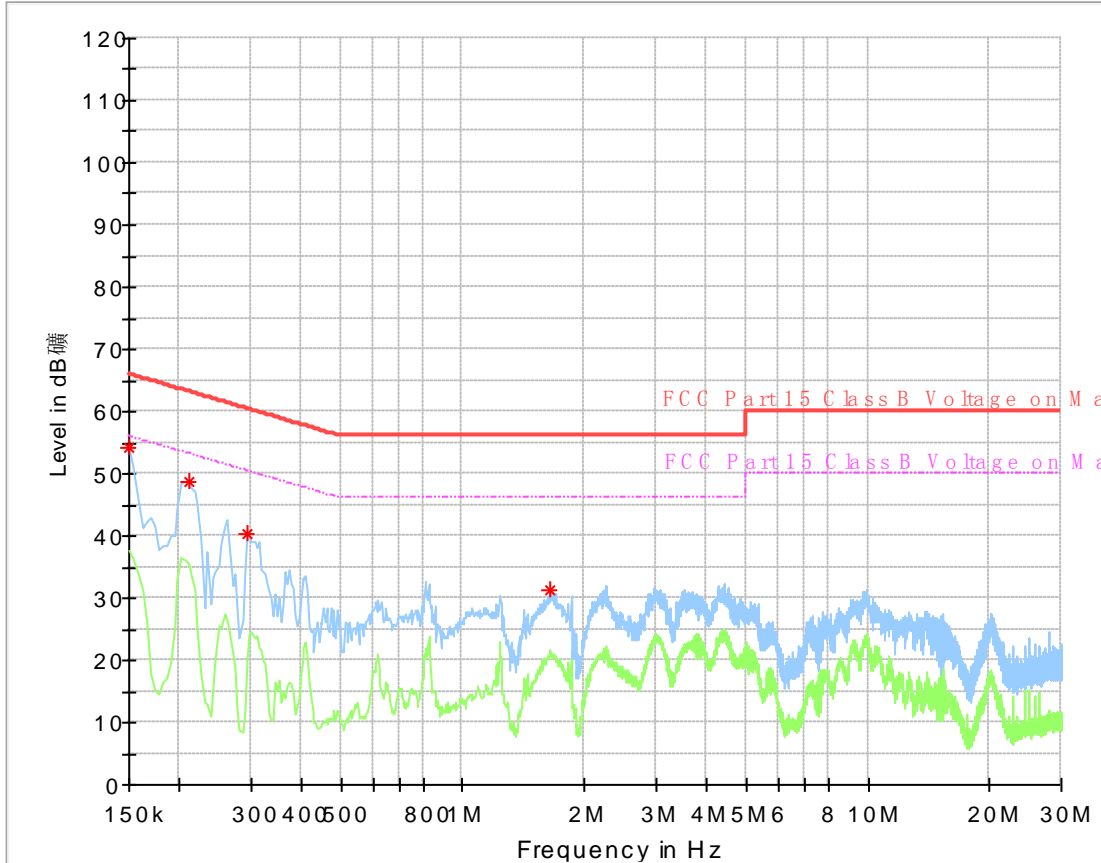
Decreasing linearly with logarithm of the frequency

Product Type : MP10QCFSG Module
 M/N : 363005
 Operating Condition : Transmitting
 Test Specification : Line
 Comment : AC 120V/60Hz



Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.158000	53.36	---	65.57	12.21	L1	9.6
0.202000	53.70	---	63.53	9.83	L1	9.8
0.310000	47.83	---	59.97	12.14	L1	10.2
2.238000	32.58	---	56.00	23.42	L1	9.8

Product Type : MP10QCFSG Module
 M/N : 363005
 Operating Condition : Transmitting
 Test Specification : Neutral
 Comment : AC 120V/60Hz



Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.150000	54.15	---	66.00	11.85	N	9.6
0.210000	48.85	---	63.21	14.36	N	9.8
0.294000	40.26	---	60.41	20.16	N	10.1
1.650000	31.41	---	56.00	24.59	N	9.8

9.2 Conducted peak output power

Test Method

1. Use the following spectrum analyzer settings:
RBW > the 6 dB bandwidth of the emission being measured, VBW \geq 3RBW, Span \geq 3RBW
Sweep = auto, Detector function = peak, Trace = max hold.
2. Add a correction factor to the display.
3. Use a power meter to measure the conducted peak output power.

Limits

According to §15.247 (b) (1), conducted peak output power limit as below:

Frequency Range MHz	Limit W	Limit dBm
2400-2483.5	≤ 1	≤ 30

Test result as below table

802.11B

Frequency MHz	Conducted Peak Output Power dBm	Result
Low channel 2412MHz	13.84	Pass
Middle channel 2437MHz	13.42	Pass
High channel 2462MHz	15.23	Pass

802.11G

Frequency MHz	Conducted Peak Output Power dBm	Result
Low channel 2412MHz	19.49	Pass
Middle channel 2437MHz	19.16	Pass
High channel 2462MHz	19.67	Pass

802.11N20

Frequency MHz	Conducted Peak Output Power dBm	Result
Low channel 2412MHz	19.94	Pass
Middle channel 2437MHz	18.16	Pass
High channel 2462MHz	19.61	Pass

9.3 6dB bandwidth and 99% Occupied Bandwidth

Test Method

1. Use the following spectrum analyzer settings:
RBW=100K, VBW≥3RBW, Sweep = auto, Detector function = peak, Trace = max hold
2. Use the automatic bandwidth measurement capability of an instrument, may be employed using the X dB bandwidth mode with X set to 6 dB, care shall be taken so that the bandwidth measurement is not influenced by any intermediate power nulls in the fundamental emission that might be ≥ 6 dB.
3. Allow the trace to stabilize, record the X dB Bandwidth value.

Limit

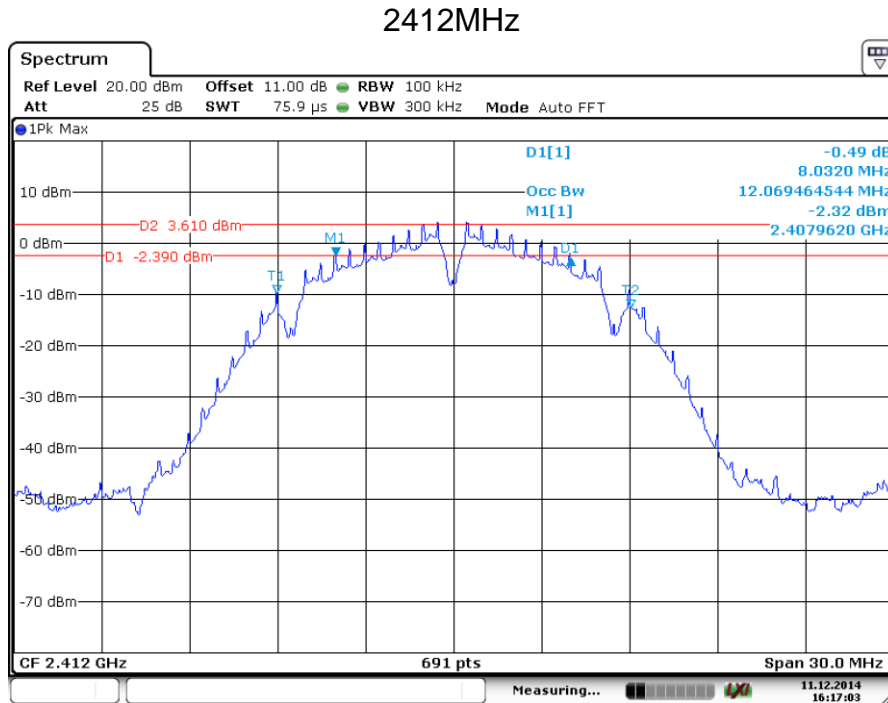
Limit [kHz]

≥500

Test result

802.11B

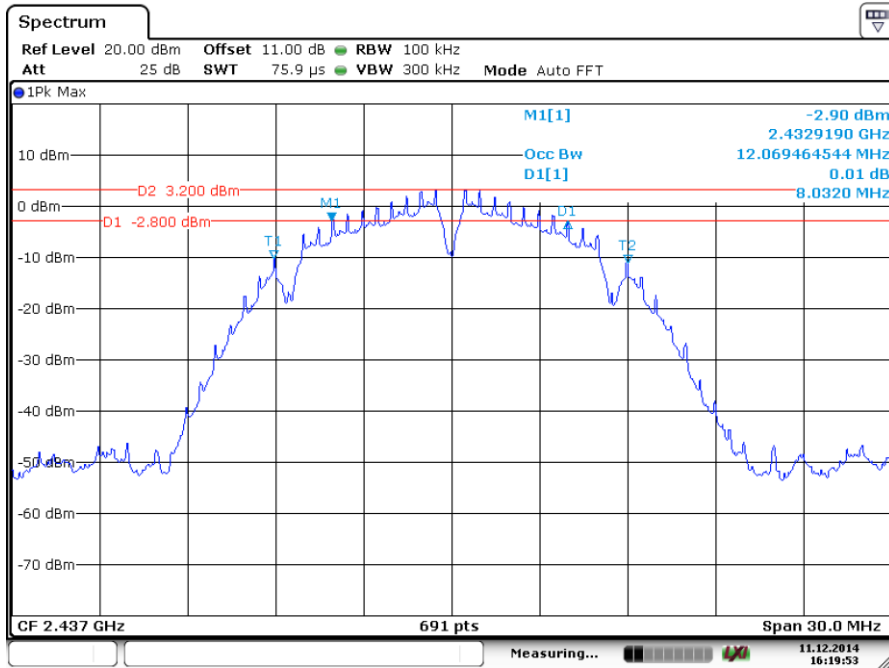
Frequency MHz	6dB bandwidth MHz	99% occupied bandwidth MHz	Result
Low channel 2412MHz	8.032	12.069	Pass
Middle channel 2437MHz	8.032	12.069	Pass
High channel 2462MHz	8.075	12.330	Pass



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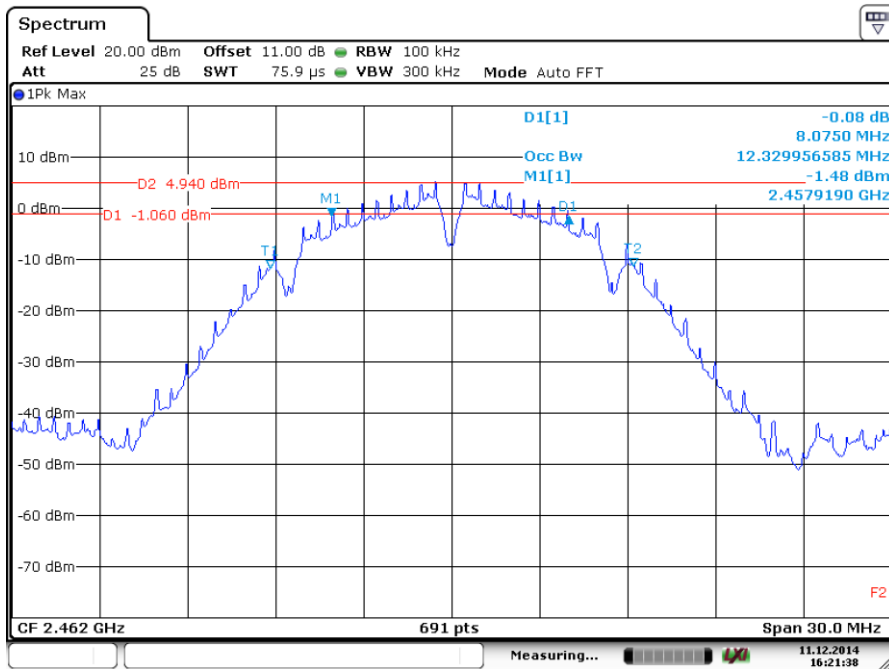


2437MHz



Date: 11.DEC.2014 16:19:53

2462MHz

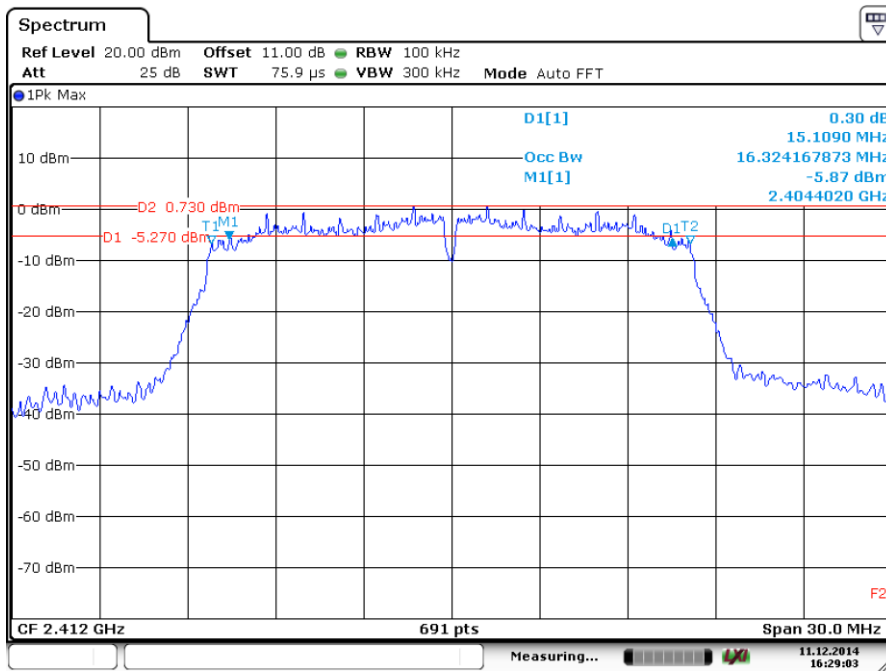


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802.11G

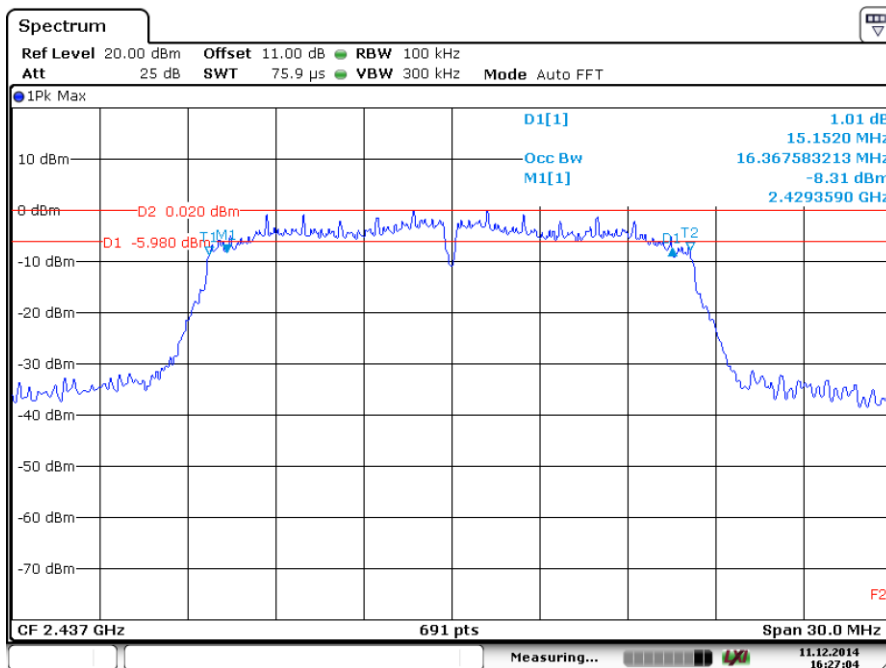
Frequency MHz	6dB bandwidth MHz	99% occupied bandwidth MHz	Result
Low channel 2412MHz	15.109	16.324	Pass
Middle channel 2437MHz	15.152	16.368	Pass
High channel 2462MHz	15.065	16.368	Pass

2412MHz



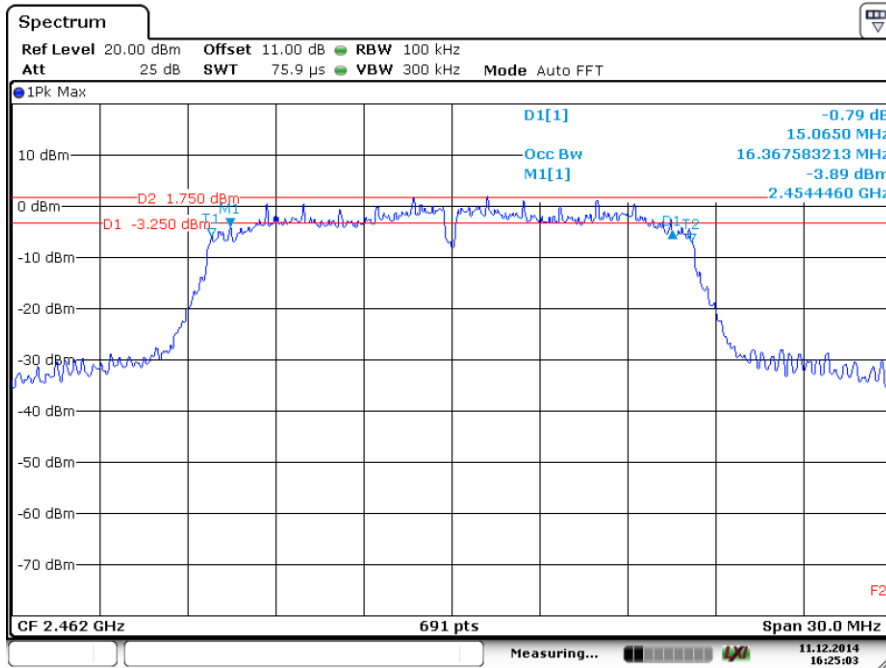
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2437MHz



Date: 11. DEC. 2014 16:27:04

2462MHz

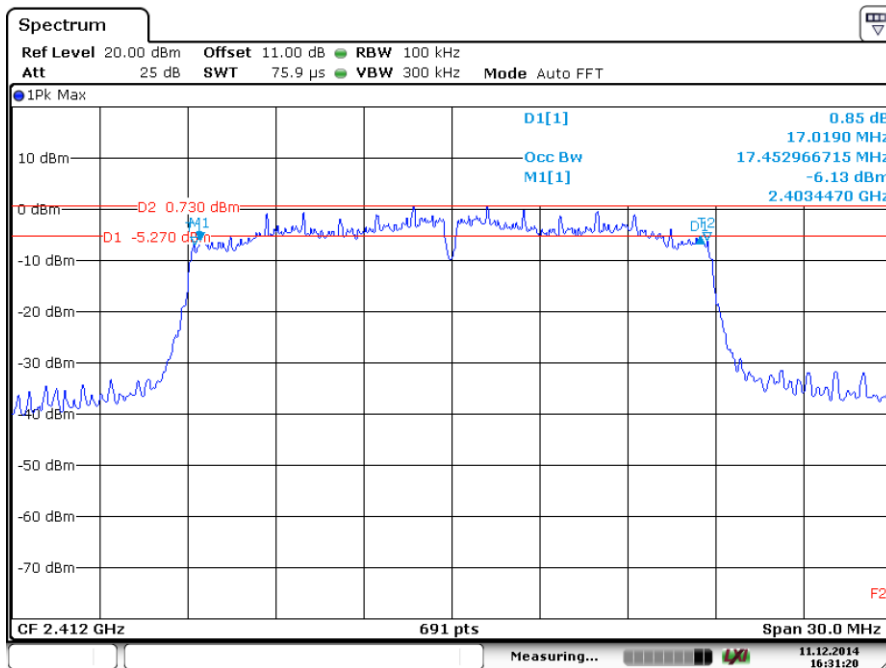


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802.11N20

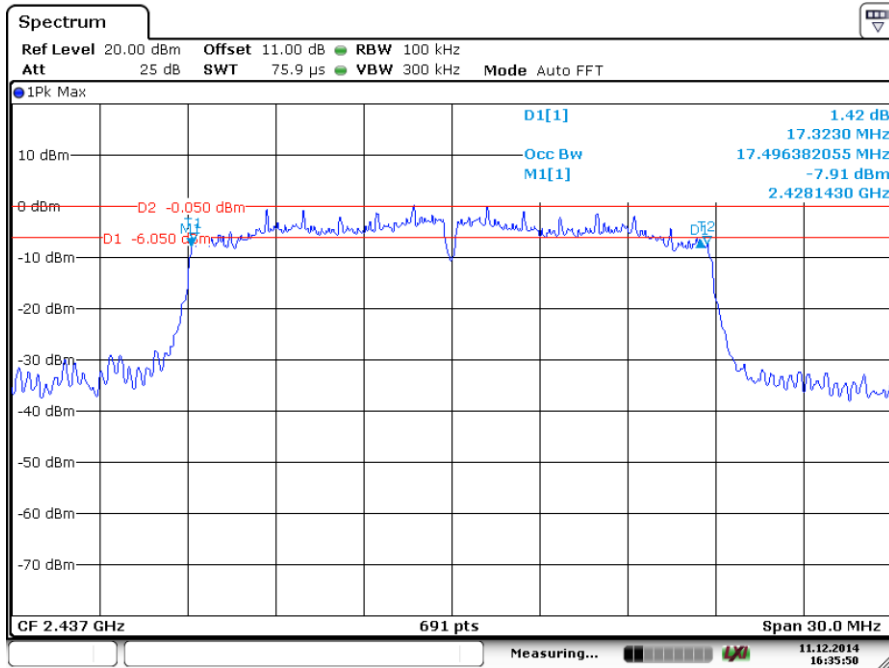
Frequency MHz	6dB bandwidth MHz	99% occupied bandwidth MHz	Result
Low channel 2412MHz	17.019	17.493	Pass
Middle channel 2437MHz	17.323	17.496	Pass
High channel 2462MHz	17.106	17.496	Pass

2412MHz



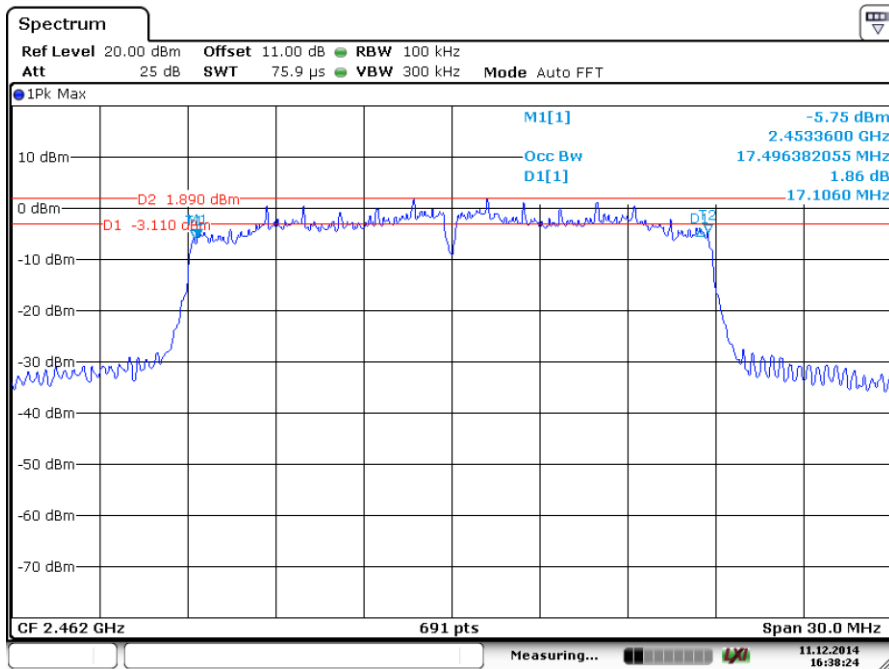
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2437MHz



Date: 11.DEC.2014 16:35:50

2462MHz



Date: 11.DEC.2014 16:38:24

9.4 Power spectral density

Test Method

This procedure shall be used if maximum peak conducted output power was used to demonstrate compliance:

1. Set analyzer center frequency to DTS channel center frequency.
RBW=3kHz,VBW≥3RBW,Span=1.5 times DTS bandwidth, Detector=Peak, Sweep=auto, Trace= max hold.
2. Allow trace to fully stabilize, use the peak marker function to determine the maximum amplitude level within the RBW.
3. Repeat above procedures until other frequencies measured were completed.

Limit

Limit [dBm]

≤8

Test result

802.11 B

Frequency MHz	Power spectral density dBm	Result
Low channel 2412MHz	-9.69	Pass
Middle channel 2437MHz	-10.46	Pass
High channel 2462MHz	-7.38	Pass

802.11 G

Frequency MHz	Power spectral density dBm	Result
Low channel 2412MHz	-12.13	Pass
Middle channel 2437MHz	-12.82	Pass
High channel 2462MHz	-11.39	Pass

802.11 N20

Frequency MHz	Power spectral density dBm	Result
Low channel 2412MHz	-11.23	Pass
Middle channel 2437MHz	-12.48	Pass
High channel 2462MHz	-11.57	Pass

9.5 Spurious RF conducted emissions

Test Method

1. Establish a reference level by using the following procedure:
 - a. Set RBW=100 kHz. VBW≥3RBW. Detector =peak, Sweep time = auto couple, Trace mode = max hold.
 - b. Allow trace to fully stabilize, use the peak marker function to determine the maximum PSD level.
2. Use the maximum PSD level to establish the reference level.
 - a. Set the center frequency and span to encompass frequency range to be measured.
 - b. Use the peak marker function to determine the maximum amplitude level. Ensure that the amplitude of all unwanted emissions outside of the authorized frequency band (excluding restricted frequency bands) are attenuated by at least the minimum requirements, report the three highest emissions relative to the limit.
3. Repeat above procedures until other frequencies measured were completed.

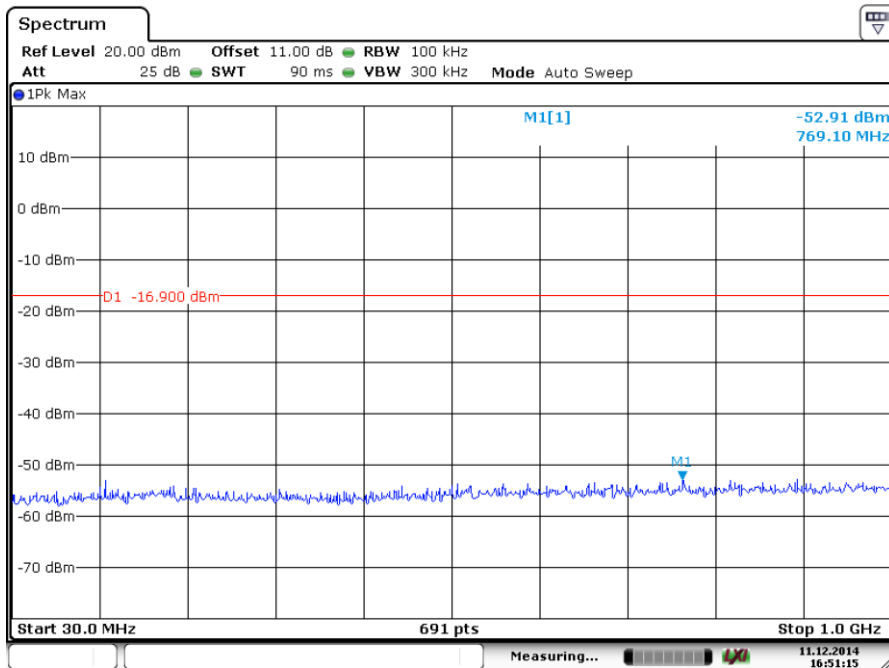
Limit

Frequency Range MHz	Limit (dBc)
30-25000	-20

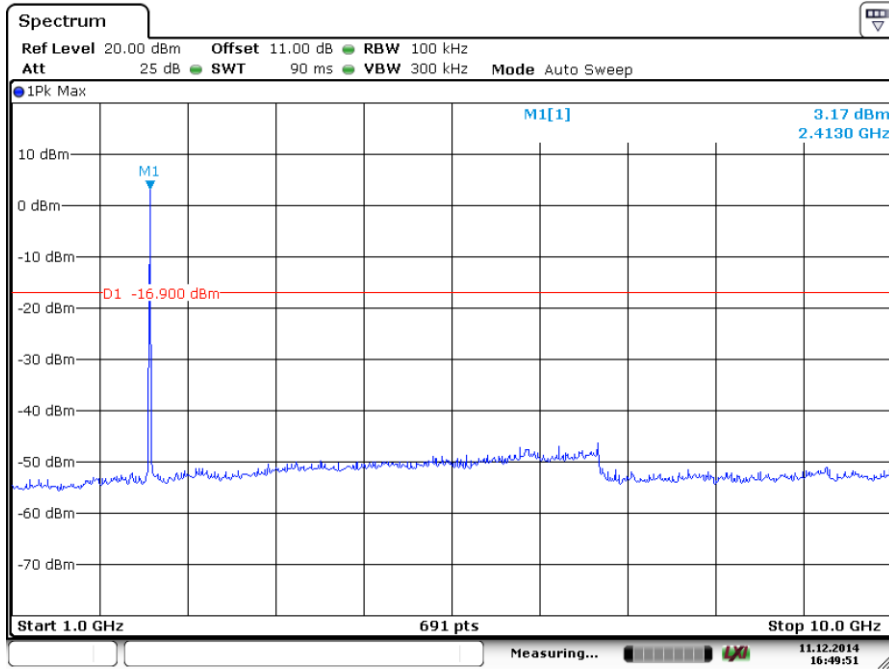
Spurious RF conducted emissions

802.11 B

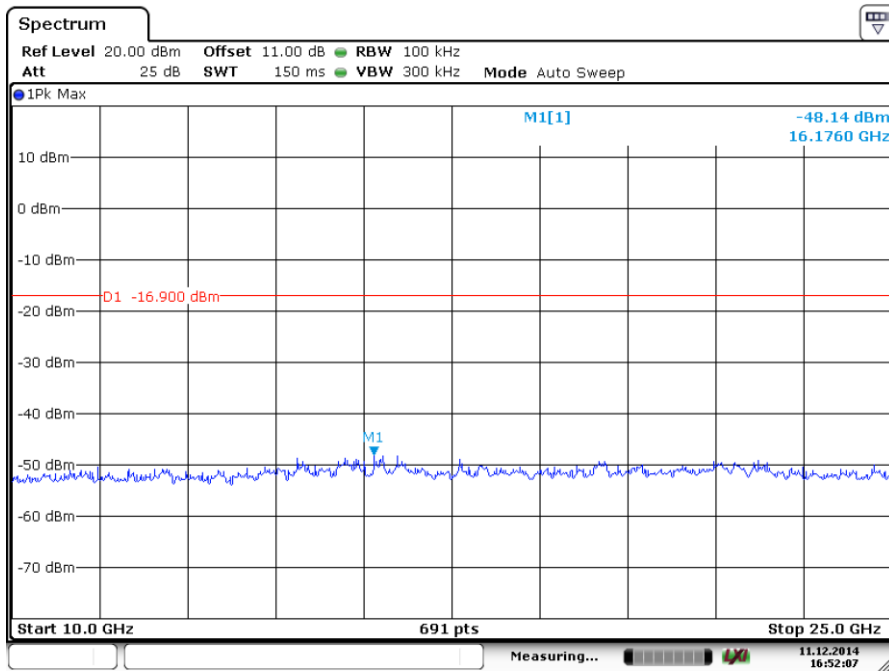
2412MHz



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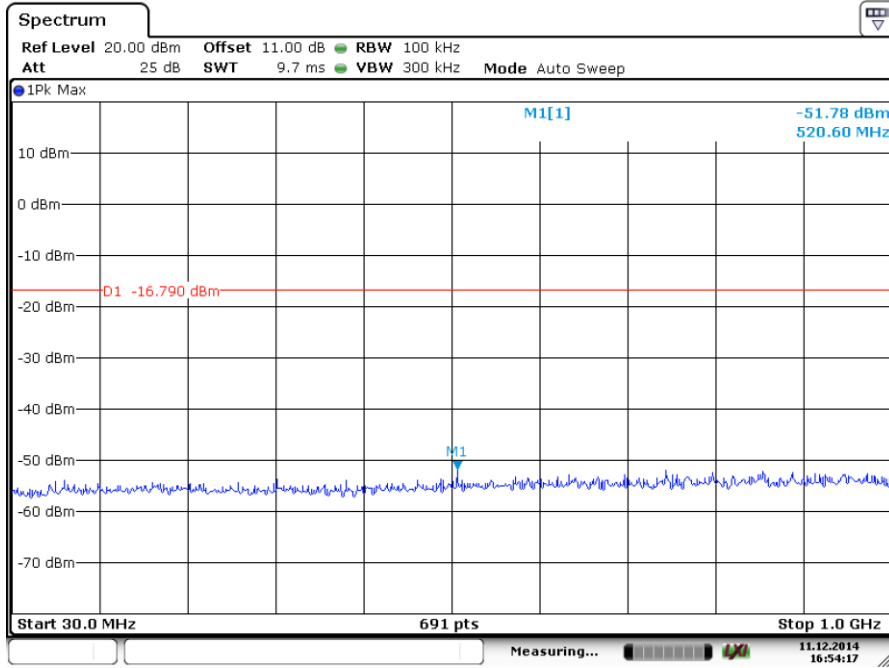
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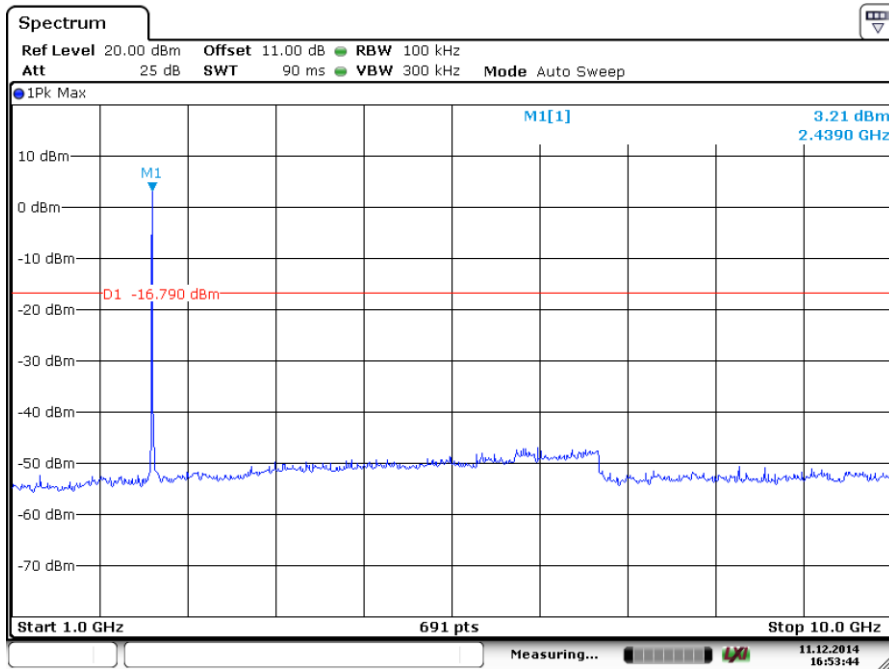
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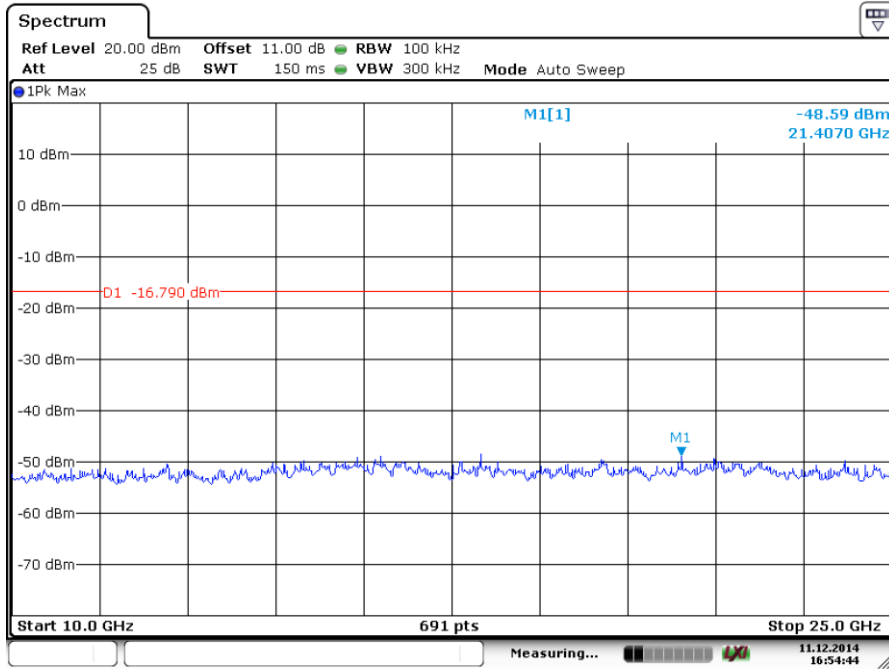
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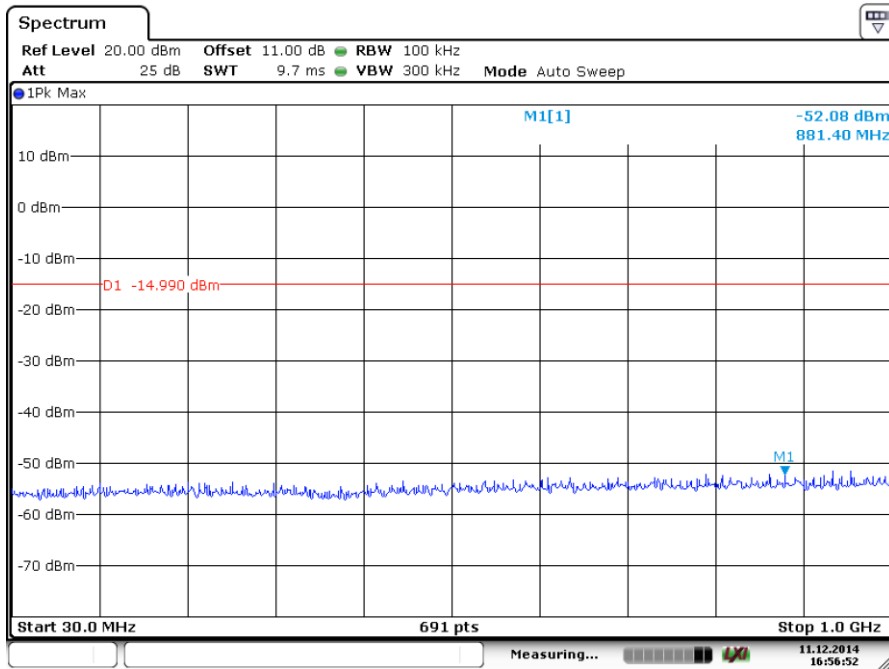


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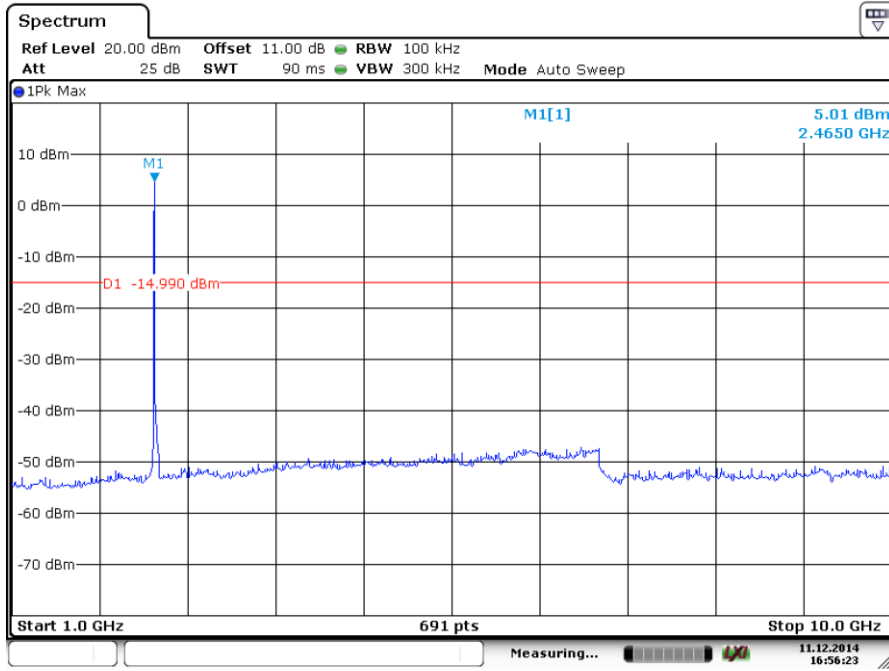


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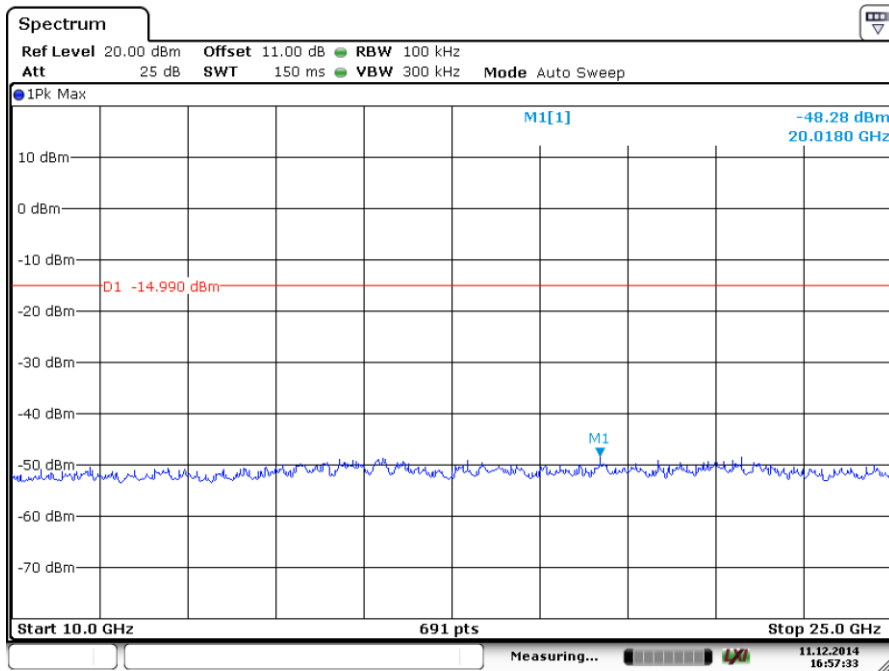
2462MHz



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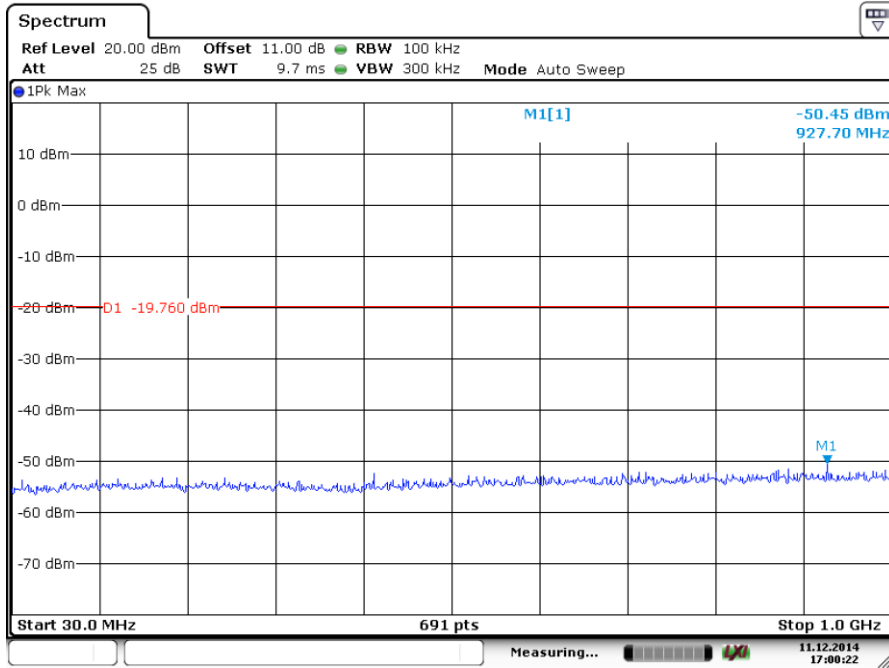
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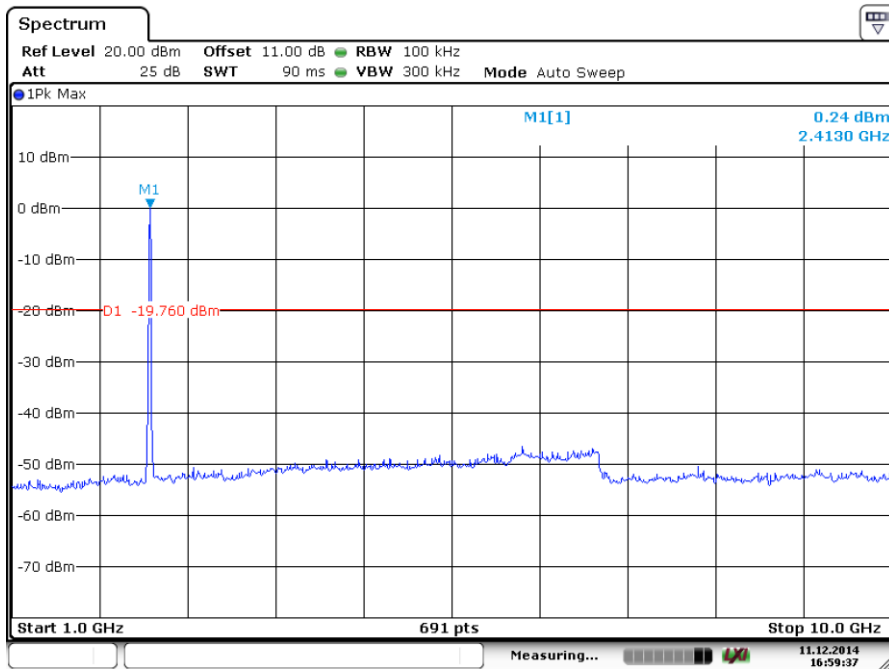
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802.11 G

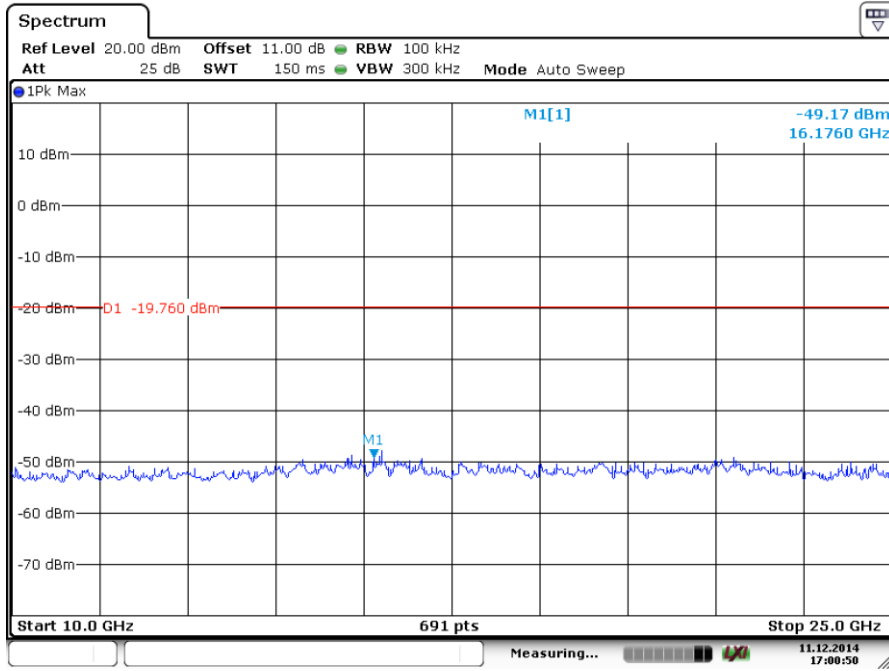
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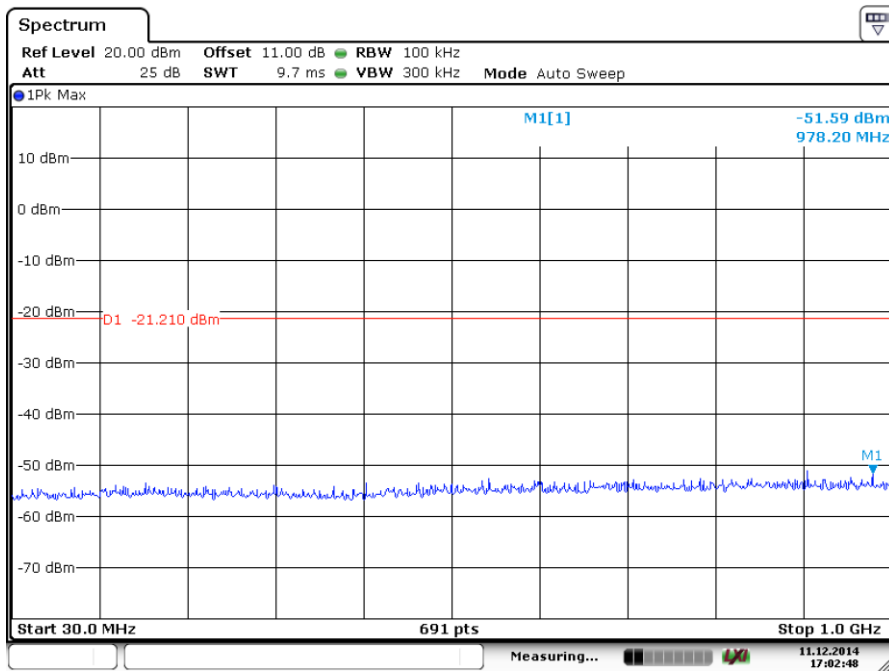


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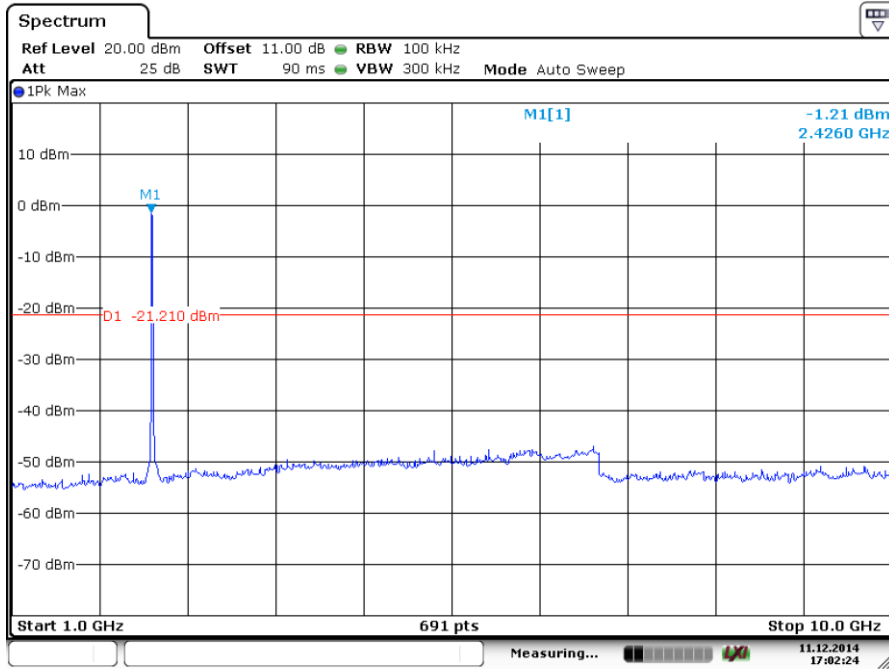


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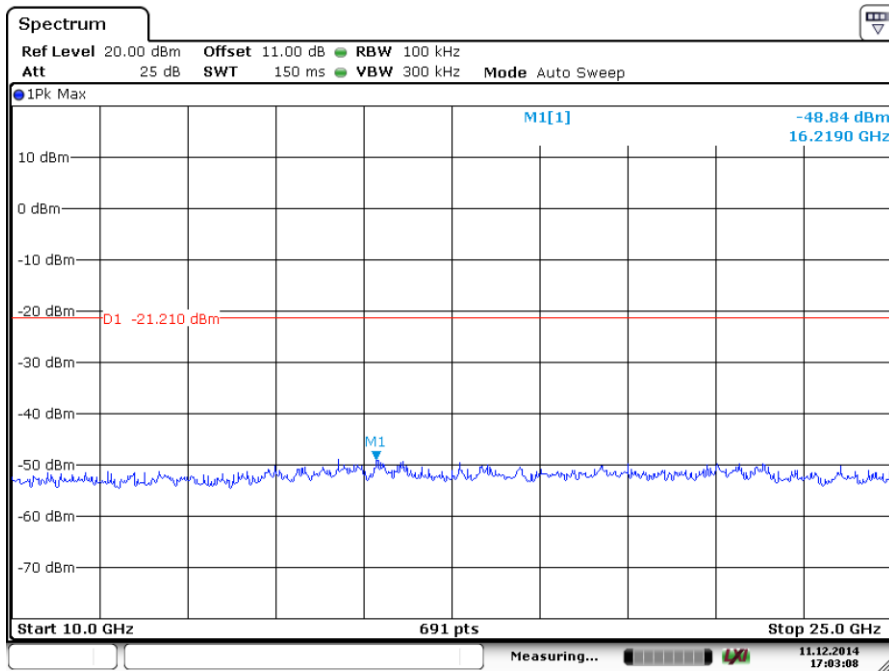
2437MHz



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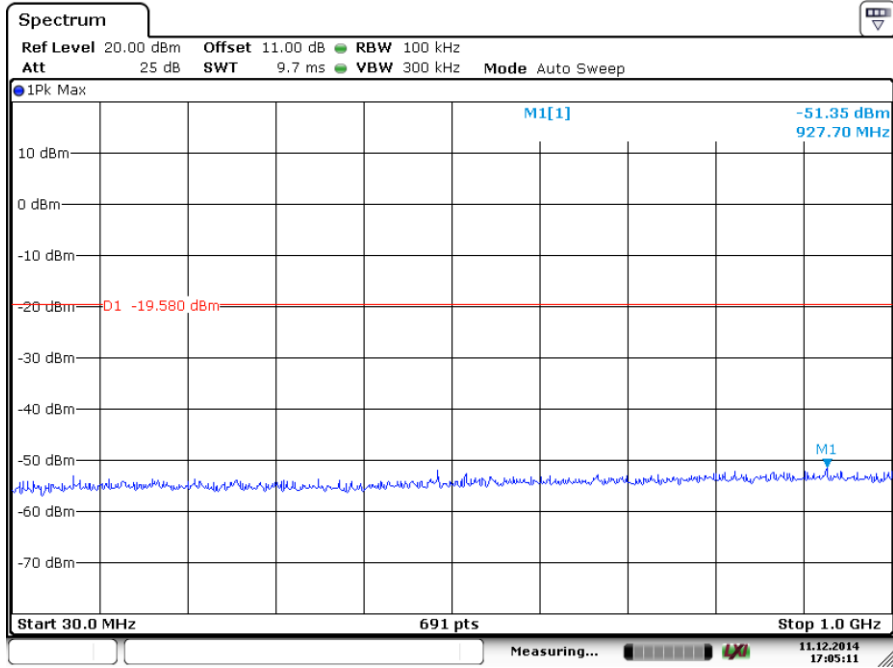
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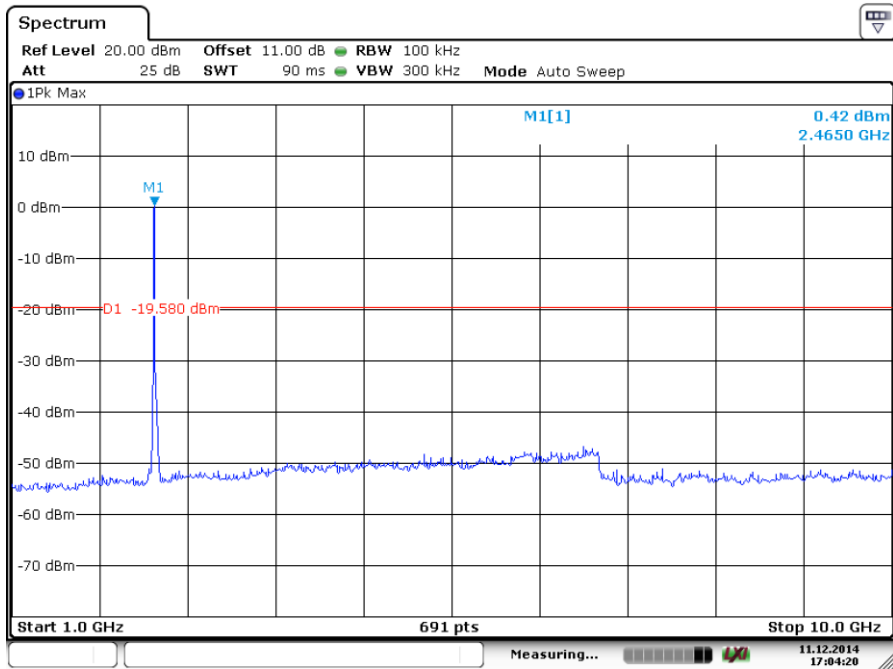
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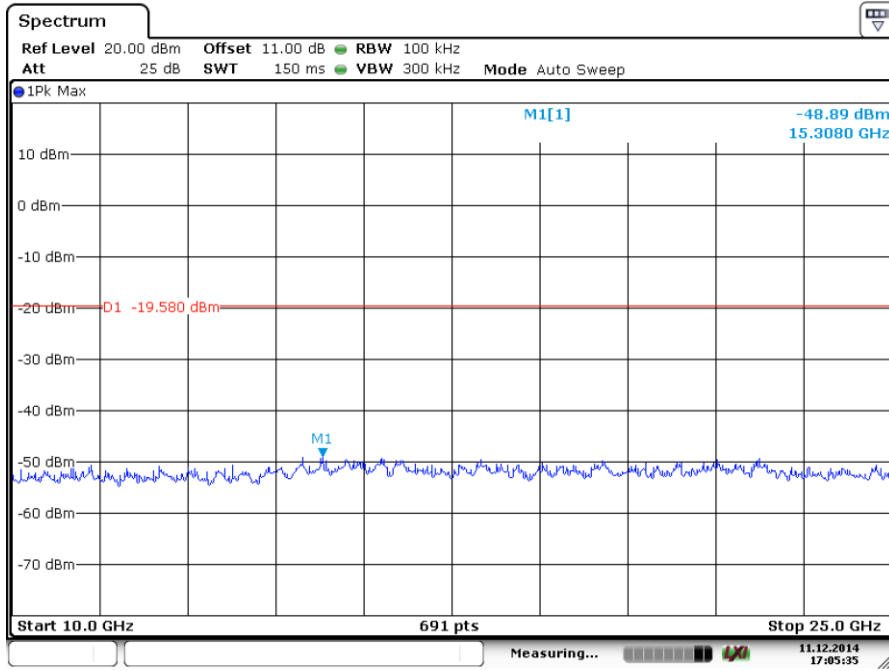
2462MHz



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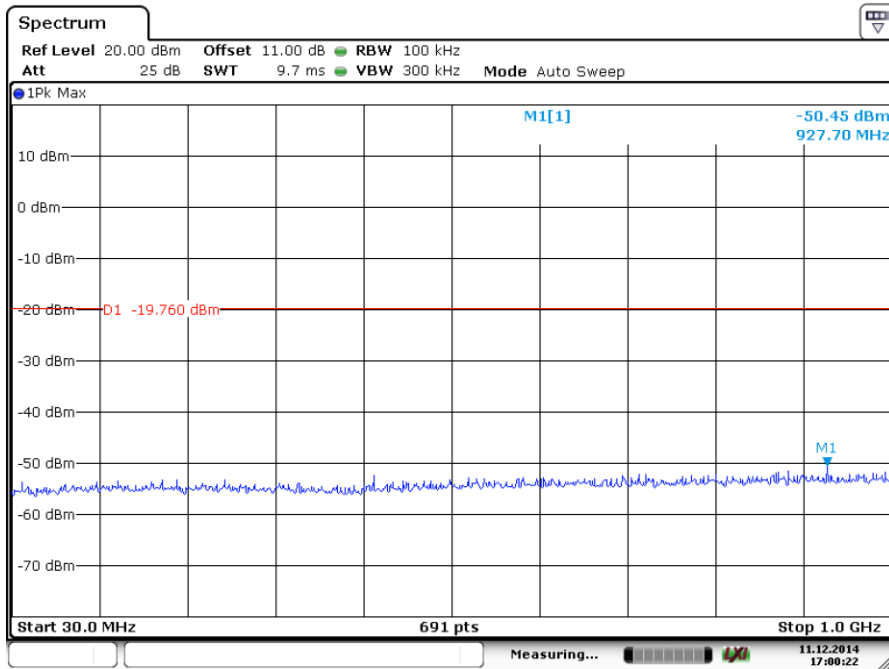
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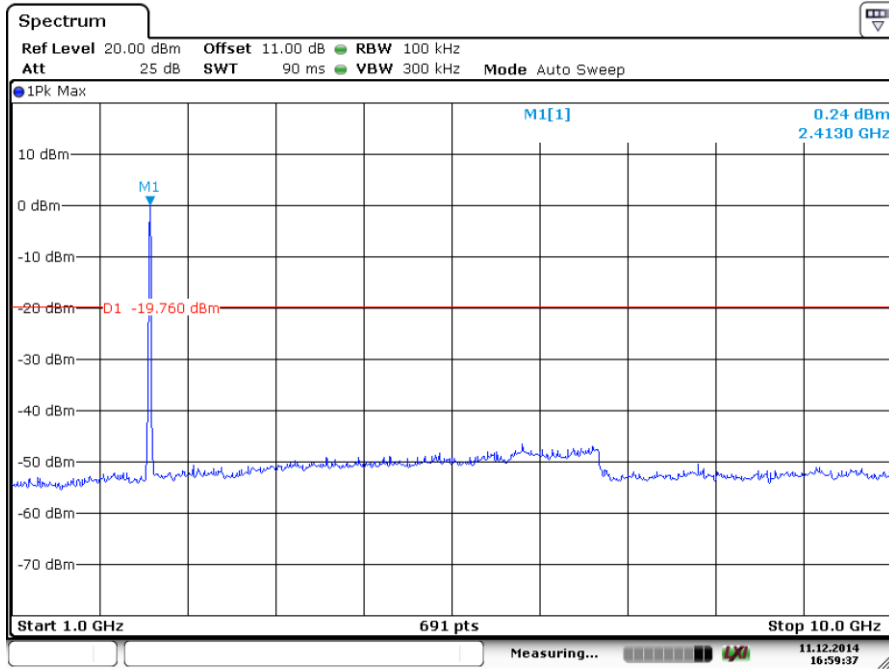
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802.11 N20

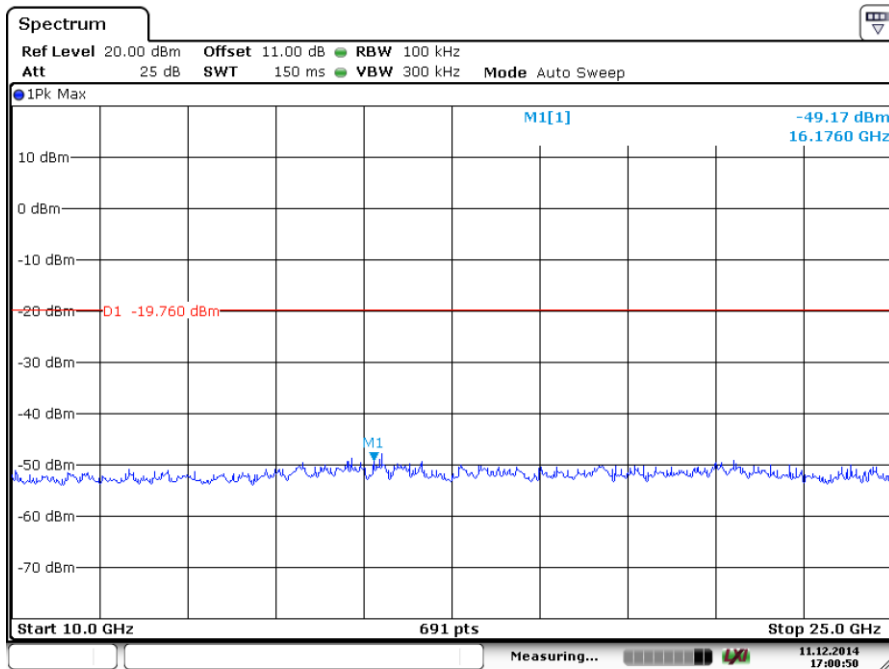
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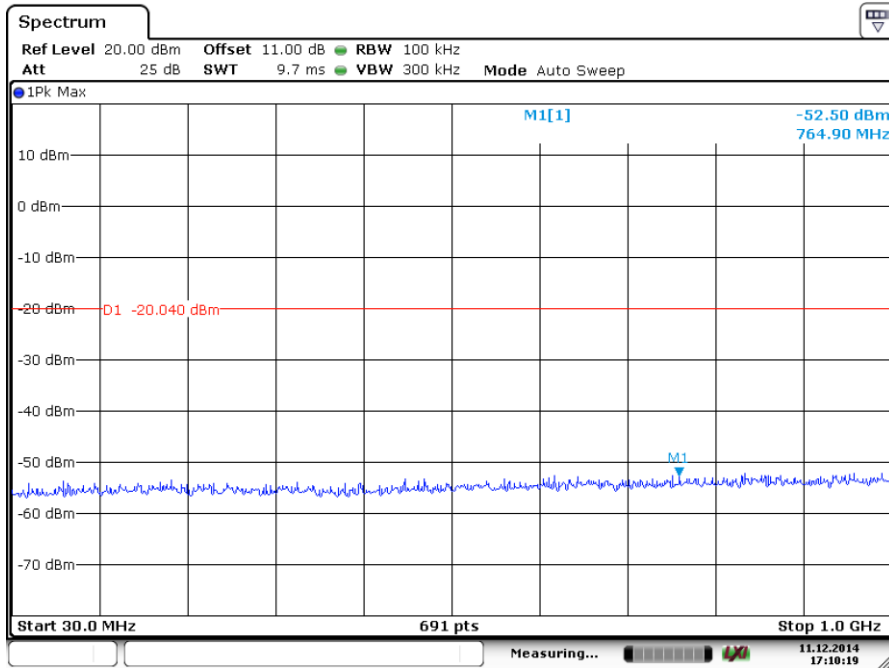
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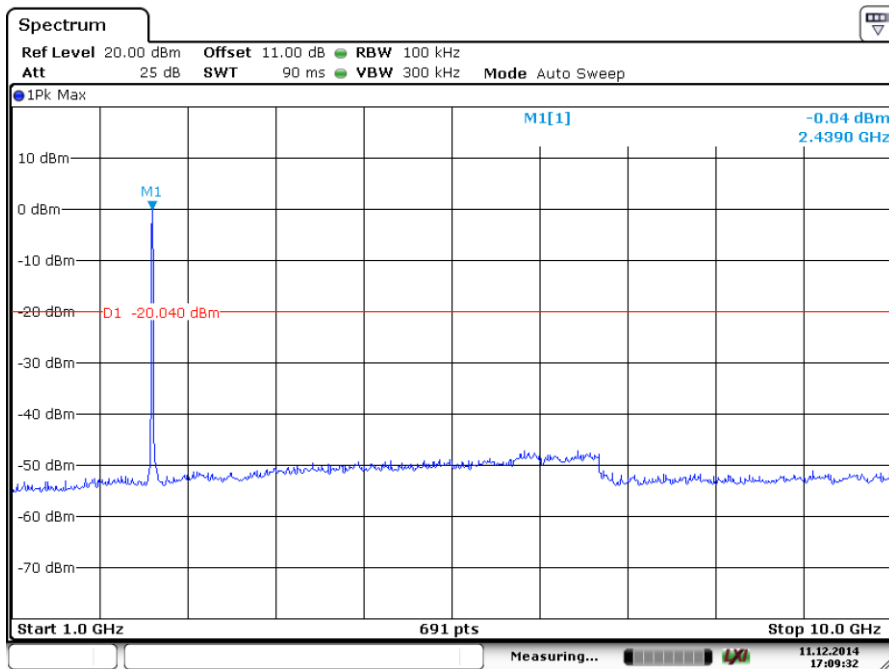
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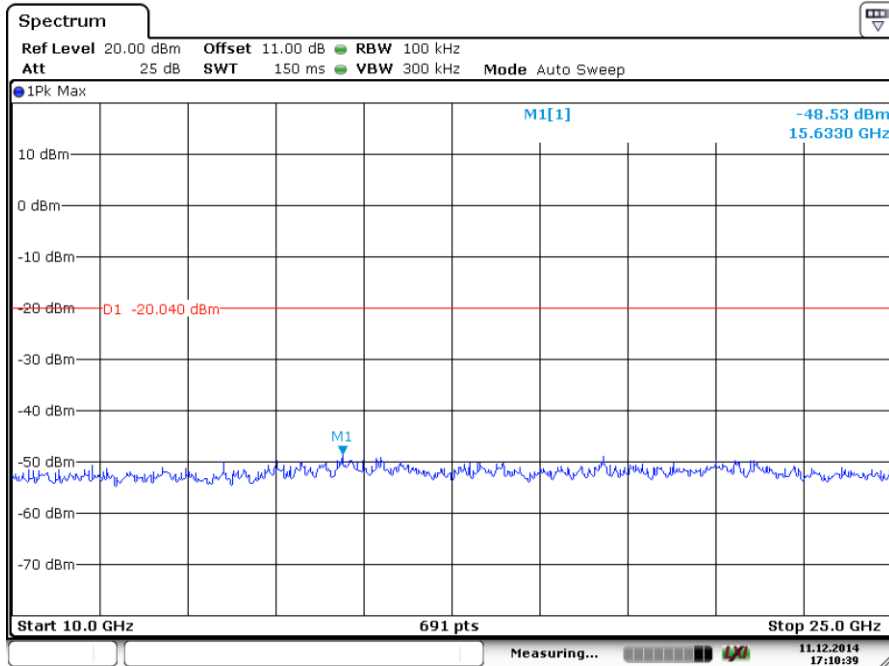
2437MHz



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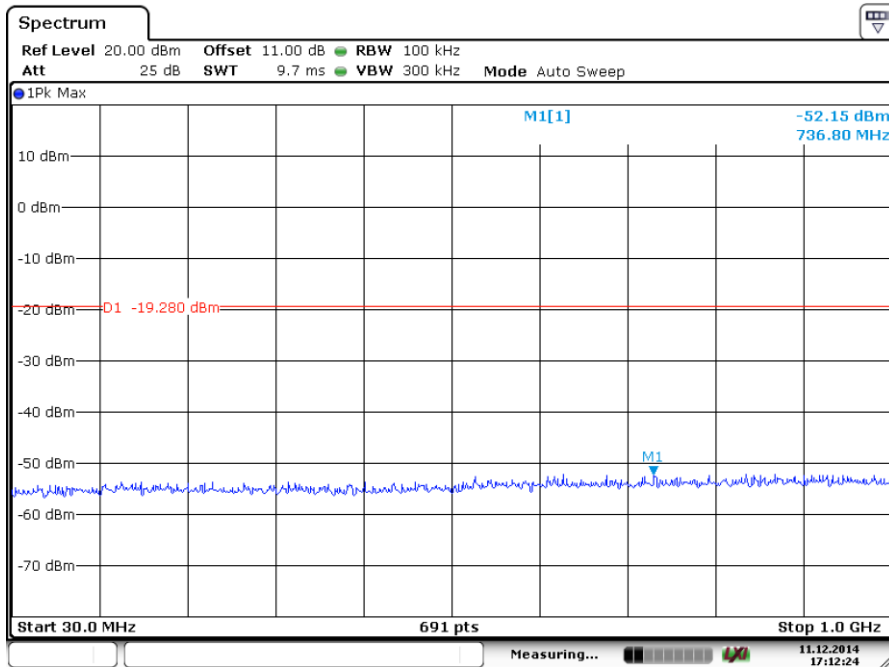


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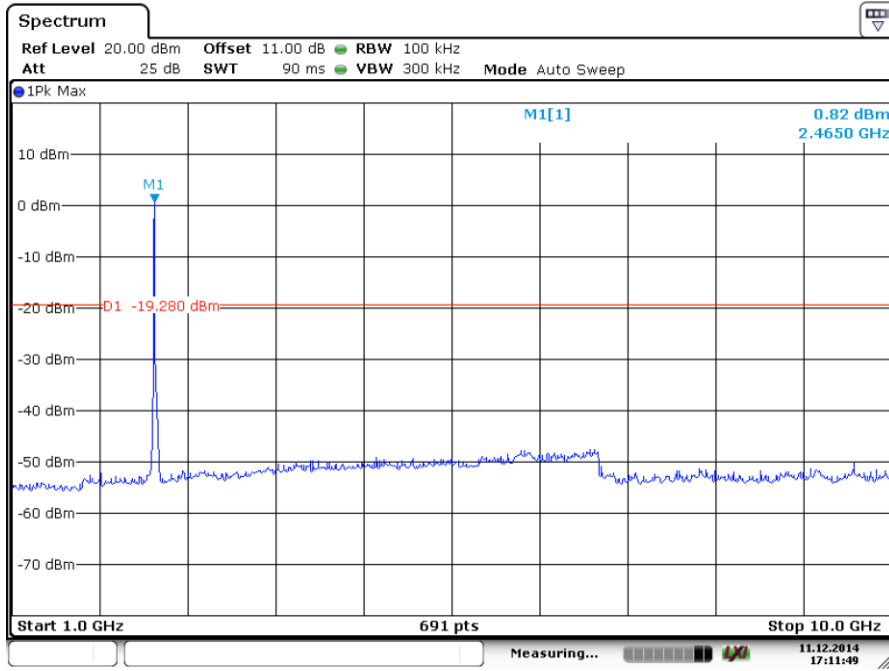


Date: 11.DEC.2014 17:10:39

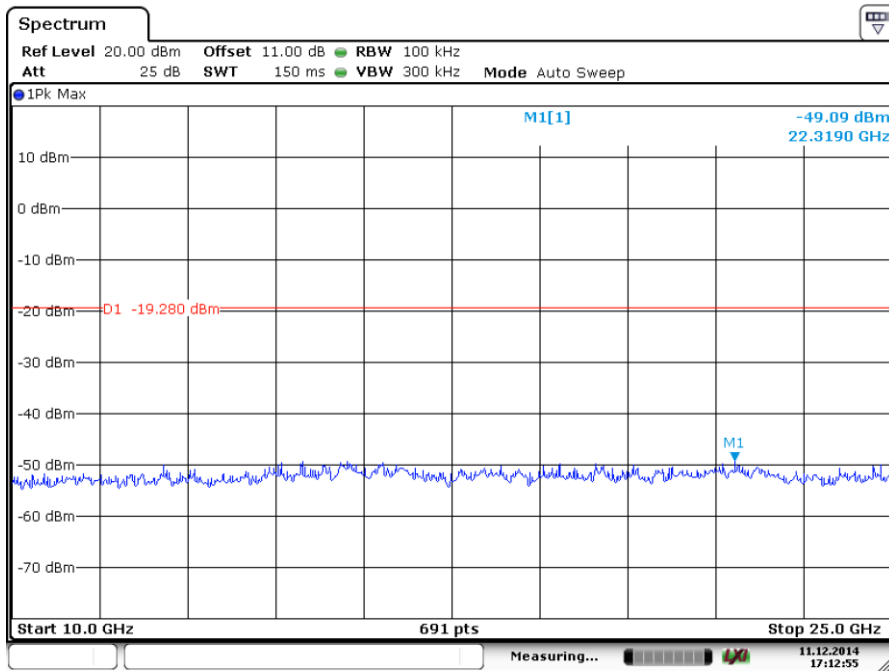
2462MHz



Date: 11.DEC.2014 17:12:24



Date: 11.DEC.2014 17:11:49



Date: 11.DEC.2014 17:12:55



9.6 Band edge

Test Method

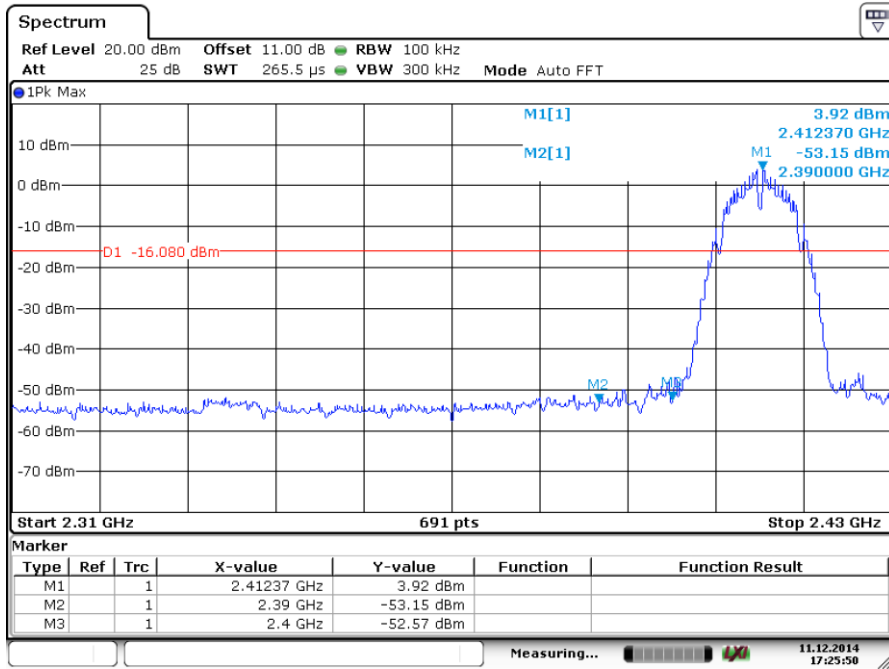
- 1 Use the following spectrum analyzer settings:
Span = wide enough to capture the peak level of the in-band emission and all spurious
RBW = 100 kHz, VBW \geq RBW, Sweep = auto, Detector function = peak, Trace = max hold.
- 2 Allow the trace to stabilize, use the peak and delta measurement to record the result.
- 3 The level displayed must comply with the limit specified in this Section.

Limit

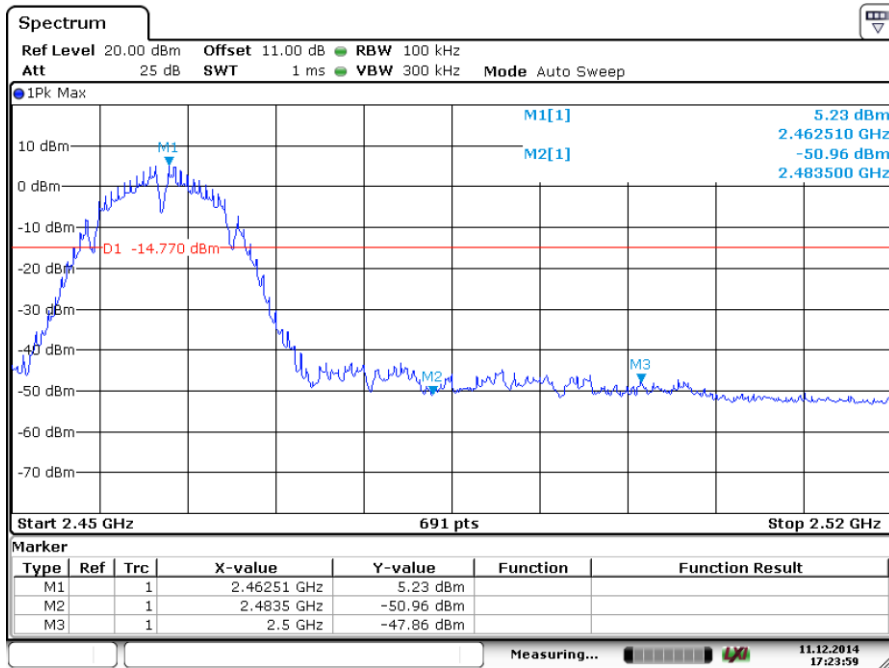
Frequency Range MHz	Limit (dBc)
30-25000	-20

Test result

802.11 B

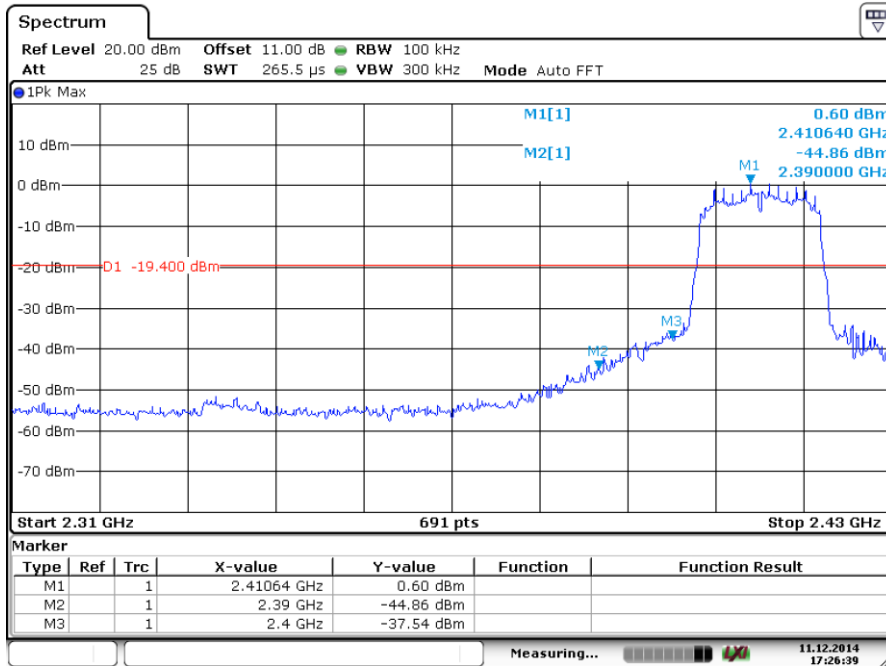


Date: 11.DEC.2014 17:25:50

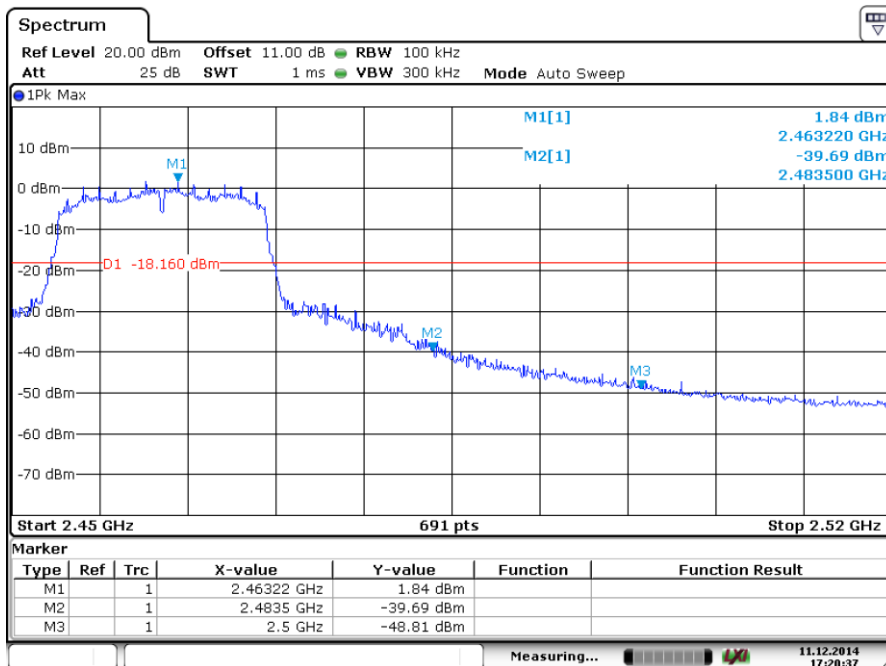


Date: 11.DEC.2014 17:23:59

802.11 G

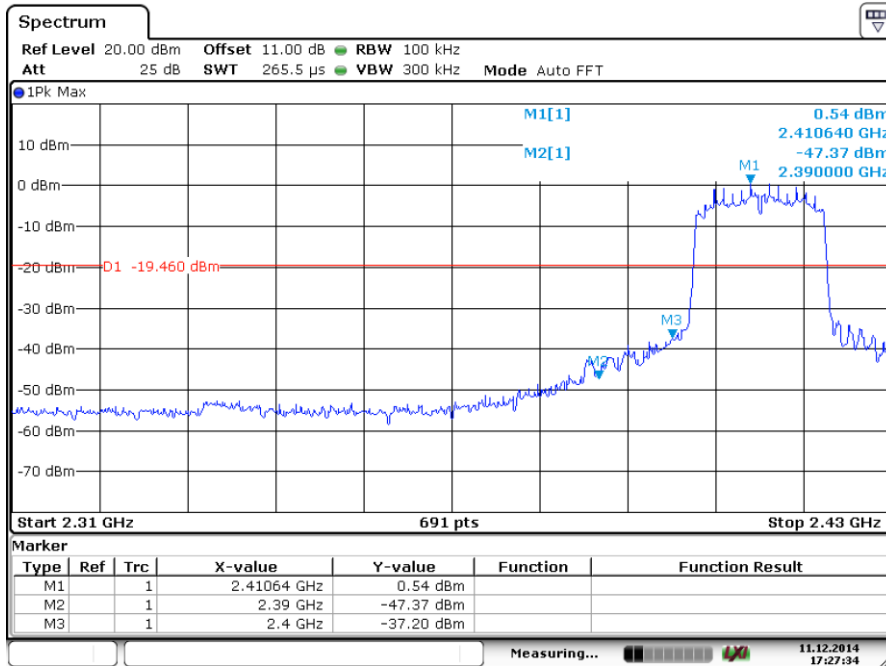


Date: 11.DEC.2014 17:26:40

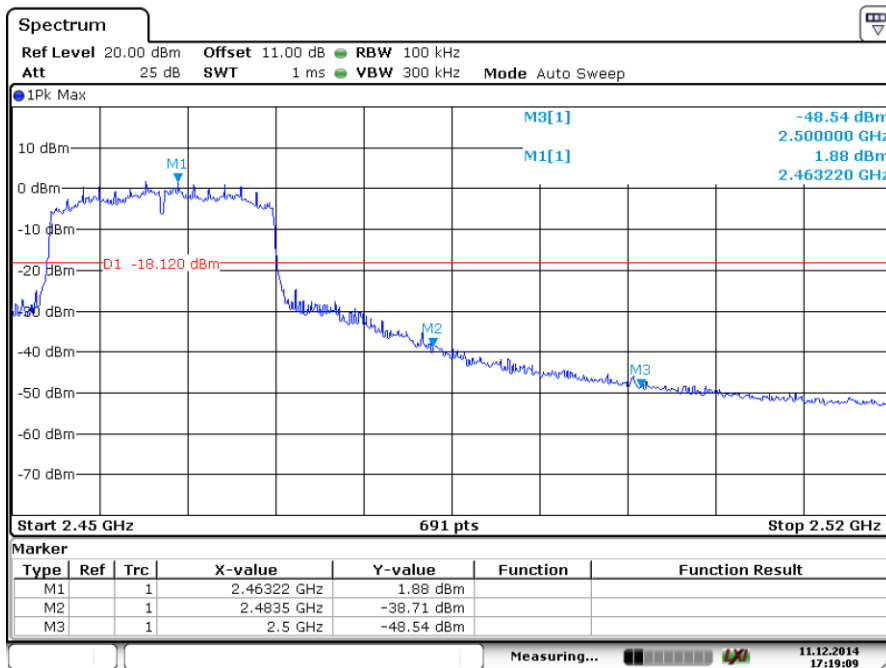


Date: 11.DEC.2014 17:20:37

802.11 N20



Date: 11.DEC.2014 17:27:34



Date: 11.DEC.2014 17:19:09

9.7 Spurious radiated emissions for transmitter

Test Method

1. The EUT is placed on a turntable, which is 0.8m above ground plane.
2. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emissions.
3. Use the following spectrum analyzer settings:
Span = wide enough to fully capture the emission being measured, RBW = 1 MHz for $f \geq 1$ GHz, 100 kHz for $f < 1$ GHz, VBW \geq RBW, Sweep = auto, Detector function = peak, Trace = max hold
4. Follow the guidelines in ANSI C63.4-1992 with respect to maximizing the emission by rotating the EUT, adjusting the measurement antenna height and polarization, etc.
The peak reading of the emission, after being corrected by the antenna factor, cable loss, pre-amp gain, etc., is the peak field strength, submit this data. Each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
5. Set the VBW to 10 Hz, while maintaining all of the other instrument settings. This peak level, once corrected, must comply with the limit specified in Section 15.209. If the duty cycle per channel of the hopping signal is less than 100 ms, then the reading obtained with the 10 Hz VBW may be further adjusted by a "duty cycle correction factor", derived from $20\log(\text{duty cycle}/100 \text{ ms})$, in an effort to demonstrate compliance with the 15.209 limit. Submit this data.

Limit

According to part 15.247(d), the radio emission outside the operating frequency band 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. Radiated emissions which fall in the restricted bands, as defined in section 15.205, must comply with the radiated emission limits specified in section 15.209.

Frequency MHz	Field Strength uV/m	Field Strength dB μ V/m	Detector
30-88	100	40	QP
88-216	150	43.5	QP
216-960	200	46	QP
960-1000	500	54	QP
Above 1000	500	54	AV
Above 1000	5000	74	PK

Spurious radiated emissions for transmitter

According to C63.10, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement, so AV emission value did not show in below table if the peak value complies with average limit.

Transmitting spurious emission test result as below:

802.11 B

2412MHz

Frequency MHz	Emission Level dBuV/m	Polarization	Limit dBuV/m	Detector	Margin dBuV/m	Result
363.2	42.13	Horizontal	46	QP	3.87	Pass
500.1	37.87	Vertical	46	QP	8.13	Pass
2412	97.78	Horizontal	-	PK	-	-
2412	98.27	Vertical	-	PK	-	-
*4824	43.39	Horizontal	74	PK	30.61	Pass
*4824	41.09	Vertical	74	PK	32.91	Pass

2437MHz

Frequency MHz	Emission Level dBuV/m	Polarization	Limit dBuV/m	Detector	Margin dBuV/m	Result
2437	96.15	Horizontal	-	PK	-	-
2437	98.53	Vertical	-	PK	-	-
*4874	41.19	Horizontal	74	PK	32.81	Pass
*4874	40.52	Vertical	74	PK	33.48	Pass

2462MHz

Frequency MHz	Emission Level dBuV/m	Polarization	Limit dBuV/m	Detector	Margin dBuV/m	Result
2462	100.82	Horizontal	-	PK	-	-
2462	98.52	Vertical	-	PK	-	-
*4924	41.83	Horizontal	74	PK	32.17	Pass
*4924	40.94	Vertical	74	PK	33.06	Pass



802.11 G
2412MHz

Frequency MHz	Emission Level dBuV/m	Polarization	Limit dBµV/m	Detector	Margin dBµV/m	Result
349.3	39.74	Horizontal	46	QP	6.26	Pass
945.1	42.24	Vertical	46	QP	3.76	Pass
2412	98.70	Horizontal	-	PK	-	-
2412	94.26	Vertical	-	PK	-	-
*4824	42.13	Horizontal	74	PK	31.87	Pass
*4824	40.83	Vertical	74	PK	33.17	Pass

2437MHz

Frequency MHz	Emission Level dBuV/m	Polarization	Limit dBµV/m	Detector	Margin dBµV/m	Result
2437	90.20	Horizontal	-	PK	-	-
2437	87.61	Vertical	-	PK	-	-
*4874	41.76	Horizontal	74	PK	32.24	Pass
*4874	41.55	Vertical	74	PK	32.45	Pass

2462MHz

Frequency MHz	Emission Level dBuV/m	Polarization	Limit dBµV/m	Detector	Margin dBµV/m	Result
2462	97.75	Horizontal	-	PK	-	-
2462	87.91	Vertical	-	PK	-	-
*4924	39.95	Horizontal	74	PK	34.05	Pass
*4924	40.43	Vertical	74	PK	33.57	Pass

802.11 N20
2412MHz

Frequency MHz	Emission Level dBuV/m	Polarization	Limit dBµV/m	Detector	Margin dBµV/m	Result
945.5	41.06	Horizontal	46	QP	4.94	Pass
945.1	40.24	Vertical	46	QP	5.76	Pass
2412	90.39	Horizontal	-	PK	-	-
2412	93.81	Vertical	-	PK	-	-
*4824	41.33	Horizontal	74	PK	32.67	Pass
*4824	40.27	Vertical	74	PK	33.73	Pass

2437MHz

Frequency MHz	Emission Level dBuV/m	Polarization	Limit dBµV/m	Detector	Margin dBµV/m	Result
2437	92.22	Horizontal	-	PK	-	-
2437	87.93	Vertical	-	PK	-	-
*4874	40.15	Horizontal	74	PK	33.85	Pass
*4874	41.37	Vertical	74	PK	32.63	Pass

2462MHz

Frequency MHz	Emission Level dBuV/m	Polarization	Limit dBµV/m	Detector	Margin dBµV/m	Result
2462	96.97	Horizontal	-	PK	-	-
2462	87.76	Vertical	-	PK	-	-
*4924	40.83	Horizontal	74	PK	33.17	Pass
*4924	41.23	Vertical	74	PK	32.77	Pass

Remark:

- (1) AV Emission Level= PK Emission Level+20log (duty cycle)
- (2) Data of measurement within 30-1000MHz frequency range shown "--" in the table above means the reading of emissions are attenuated more than 20db below the permissible limits or the field strength is too small to be measured.
- (3) "*" means the emission(s) appear within the restrict bands shall follow the requirement of section 15.205.

10 Test Equipment List

List of Test Instruments

	DESCRIPTION	MANUFACTURER	MODEL NO.	SERIAL NO.	CAL. DUE DATE	
CE	Test Receiver	Rohde & Schwarz	ESHS10	838693/001	Nov.04, 15	<input checked="" type="checkbox"/>
	L.I.S.N.#1	Rohde & Schwarz	ESH2-Z5	834066/011	Nov.04, 15	<input checked="" type="checkbox"/>
	L.I.S.N.#3	Kyoritsu	KNW-242C	8-1920-1	May.07, 15	<input type="checkbox"/>
	RF Cable	3D-2W	Fujikura	LISN Cable 1#	May.07, 15	<input checked="" type="checkbox"/>
	Coaxial Switch	MP59B	Anritsu	M55367	May.07, 15	<input checked="" type="checkbox"/>
	Passive Probe	ESH2-Z3	Rohde & Schwarz	299.7810.52	May.07, 15	<input type="checkbox"/>
	Pulse Limiter	ESH3-Z2	Rohde & Schwarz	100341	May.07, 15	<input type="checkbox"/>
C	Spectrum	Agilent	E4446A	US44300459	May.08, 15	<input checked="" type="checkbox"/>
RE < 1 GHz	Test Receiver <1GHz	Rohde & Schwarz	ESVS10	834468/011	May.07, 15	<input checked="" type="checkbox"/>
	Amplifier < 1 GHz	HP	8447D	2648A04738	May.07, 15	<input checked="" type="checkbox"/>
	HF Cable	Hubersuhne	Sucoflex104	Room 2	May.08, 15	<input checked="" type="checkbox"/>
	Bilog Antenna	Schaffner	CBL6111C	2598	Oct.25, 15	<input checked="" type="checkbox"/>
RE > 1 GHz	Spectrum > 1GHz	Agilent	E4446A	US44300459	May.08, 15	<input checked="" type="checkbox"/>
	Horn Antenna	EMCO	3115	9607-4877	Jun. 24, 15	<input checked="" type="checkbox"/>
	Amp > 1 Ghz	HP	8449B	3008A08495	May.08, 15	<input checked="" type="checkbox"/>
	HF Cable	Hubersuhne	Sucoflex104	Room1	May.08, 15	<input checked="" type="checkbox"/>

C - Conducted RF tests

- Conducted peak output power
- 6dB bandwidth and 99% Occupied Bandwidth
- Power spectral density*
- Spurious RF conducted emissions
- Band edge

11 System Measurement Uncertainty

For a 95% confidence level, the measurement expanded uncertainties for defined systems, in accordance with the recommendations of ISO 17025 were:

System Measurement Uncertainty

Items	Extended Uncertainty
Radiation emission	U=4.32dB (30MHz-25GHz)
Output power test	0.94 dB
Power density test	2.10 dB
Bandwidth	1x10 ⁻⁹