RF Test Report

Applicant	:	ASUSTeK COMPUTER INC.
Applicant Address	:	1F., No. 15, Lide Rd., Beitou Dist., Taipei City 112, Taiwan
Product Name	:	Intel® Wi-Fi 6E AX211
Trade Name	:	INTEL
Model Number	:	AX211NGW
Applicable Standard	:	FCC 47 CFR PART 15 SUBPART C ANSI C63.10:2013
Received Date	:	Apr. 24, 2024
Test Period(1)	:	Oct. 03, 2023 ~ Oct. 04, 2023
Test Period(2)	:	May 01, 2024
Issued Date	:	Jun. 04, 2024

Issued by

Eurofins E&E Wireless Taiwan Co., Ltd.
No. 140-1, Changan Street, Bade District,
Taoyuan City 334025, Taiwan (R.O.C.)
Tel：+886-3-2710188 / Fax：+886-3-2710190

Testing Laboratory
1330

Taiwan Accreditation Foundation accreditation number: 1330
Frequency Range: 9 kHz to 325 GHz
Bade test site：
Test Firm Registration Number: 226252
Test Firm Designation Number: TW0010
Wugu test site：
Test Firm Registration Number: 191812
Test Firm Designation Number: TW0034

Note:
1.The test results are valid only for samples provided by customers and under the test conditions described in this report.
2.This report shall not be reproduced except in full, without the written approval of Eurofins E&E Wireless Taiwan Co., Ltd.
3.The relevant information is provided by customers in this test report. According to the correctness, appropriateness or completeness of the information provided by the customer, if there is any doubt or error in the information which affects the validity of the test results, the laboratory does not take the responsibility.

Revision History

Rev.	Issued Date	Description	Revised by
00	Jun. 04, 2024	Initial Issue	Emma Chao

Verification of Compliance

Applicant	:	ASUSTeK COMPUTER INC.
Applicant Address	:	1F., No. 15, Lide Rd., Beitou Dist., Taipei City 112, Taiwan
Product Name	:	Intel® Wi-Fi 6E AX211
Trade Name	:	INTEL
Model Number	:	AX211NGW
FCC ID	:	MSQAX211NG
Applicable Standard	:	FCC 47 CFR PART 15 SUBPART C ANSI C63.10:2013
Test Result	:	Complied
Performing Lab.	:	Eurofins E&E Wireless Taiwan Co., Ltd. No. 140-1, Changan Street, Bade District, Taoyuan City 334025, Taiwan (R.O.C.) Tel：+886-3-2710188 / Fax：+886-3-2710190 Taiwan Accreditation Foundation accreditation number: 1330

Testing Laboratory 1330

Eurofins E&E Wireless Taiwan Co., Ltd. tested the above equipment in accordance with the requirements set forth in the above standards. All indications of Pass/Fail in this report are opinions expressed by Eurofins E&E Wireless Taiwan Co., Ltd. based on interpretations and/or observations of test results. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Approved By : Kai Yu Yang

TABLE OF CONTENTS

1 General Information

1.1. Summary of Test Result

Standard	Item	Result	Remark
15.207	AC Power Conducted Emission	N/A	Note 1
15.247(d)	Transmitter Radiated Emissions	PASS	Note 2
15.247(b)(3)	Max. Output Power	N/A	Note 1
15.247(a)(2)	6 dB RF Bandwidth	N/A	Note 1
15.247(e)	Maximum Power Spectral Density	N/A	Note 1
15.247(d)	Out of Band Conducted Spurious Emission	N/A	Note 1
15.203	Antenna Requirement	PASS	-----

This report is only verified for client's needs.

Note 1：No test for this item, test results could be referred to RF module AX211NGW report (200611-01.TR04).

Note 2：Only verify the worst channel of Band Edge. The Harmonic test results could be referred to RF module AX211NGW report (200611-01.TR04).

Decision Rule

■ Uncertainty is not included.

□ Uncertainty is included.

Standard	Description
CFR47, Part 15, Subpart C	Intentional Radiators
ANSI C63. 10: 2013	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices
KDB 558074 D01 15.247 Meas Guidance v05r02	GUIDANCE FOR COMPLIANCE MEASUREMENTS ON DIGITAL TRANSMISSION SYSTEM, FREQUENCY HOPPING SPREAD SPECTRUM SYSTEM, AND HYBRID SYSTEM DEVICES OPERATING UNDER SECTION 15.247 OF THE FCC RULES

1.2. Testing Location

Lab Name: Eurofins E&E Wireless Taiwan Co., Ltd.

Site Address: ■ No. 140-1, Changan Street, Bade District, Taoyuan City 334025, Taiwan (R.O.C.)

Site Address: □ No. 2, Wuquan 5th Rd. Wugu Dist., New Taipei City, Taiwan (R.O.C.)

1.3. Measurement Uncertainty

Test Item	Frequency	Uncertainty	
		BD	WG
Conducted Emission	150 kHz ~ 30 MHz	2.7 dB	2.6 dB
Conducted Output Power		1.1 dB	1.1 dB
Duty Cycle		1.1 %	1.0 %

Test Item	Frequency	Uncertainty			
		96601-BD	96603-BD	96602-WG	96603-WG
Radiated Emission	9 kHz ~ 30 MHz	1.9 dB	1.9 dB	1.6 dB	1.6 dB
	30 MHz ~ 1000 MHz	4.9 dB	4.9 dB	4.8 dB	4.8 dB
	1000 MHz ~ 18000 MHz	4.9 dB	5.0 dB	5.0 dB	5.2 dB
	18000 MHz ~ 26500 MHz	4.3 dB	4.4 dB	4.4 dB	4.5 dB
	26500 MHz ~ 40000 MHz	4.5 dB	4.5 dB	4.6 dB	4.5 dB

1.4. Test Site Environment

Items	Required (IEC 60068-1)	Interval(*)
Temperature (°C)	15-35	20-30
Humidity (%RH)	25-75	45-75

(*)The measurement ambient temperature is within this range.

2 Description of Equipment Under Test

The product specifications of the EUT presented in the report are declared by the manufacturer who shall take full responsibility for the authenticity

Applicant	ASUSTeK COMPUTER INC. 1F., No. 15, Lide Rd., Beitou Dist., Taipei City 112, Taiwan			
Product Name	Intel® Wi-Fi 6E AX211			
Trade Name	INTEL			
Model Number	AX211NGW			
FCC ID	MSQAX211NG			
Host Information	Product Name: Notebook PC Trade Name: ASUS Model Name: GU605M, GU605MI, GU605MV, GU605MU, GU665M, GU665MI, GU665MV, GU665MU (All models are electrically identical, different model names are for marketing purpose.)			
Operate Freq. Band	Frequency Range (MHz)	Modulation	Channel Bandwidth	Data Rate
802.11b	2412 ~ 2472	DSSS	20 MHz	Up to 11 Mbps
802.11g	2412 ~ 2472	OFDM	20 MHz	Up to 54 Mbps
802.11n HT20	2412 ~ 2472	OFDM	20 MHz	Up to 144.4 Mbps
802.11n HT40	2422 ~ 2462	OFDM	40 MHz	Up to 300 Mbps
802.11ax HE20	2412 ~ 2472	OFDMA	20 MHz	Up to 286.8 Mbps
802.11ax HE40	2422 ~ 2462	OFDMA	40 MHz	Up to 573.5 Mbps
Antenna Delivery	See section 3.1			
Operate Temp. Range	0 ~ +80 ℃			
EUT Power Rating	3.3 Vdc			

Antenna list: MB2

Antenna Source	ANT	Manufacturer	Part No. (Vendor)	Type	Frequency (MHz)	Max. Gain (dBi)
1	Chain A	INPAQ	14008-05850500 (WA-P-LE-02-266)	PIFA Antenna	2402 - 2480	2.45
	Chain B	INPAQ	14008-05850400 (WA-P-LE-02-265)	PIFA Antenna	2402 - 2480	2.40
2	Chain A	AWAN	14008-05850600 (AYP6Y-100500)	PIFA Antenna	2402 - 2480	2.35
	Chain B	AWAN	14008-05850700 (AYP6Y-100499)	PIFA Antenna	2402 - 2480	2.20

Note :
1. Antenna Source 1 (INPAQ antenna) and Antenna Source 2 (AWAN antenna) are the same type of antenna, only different in manufacturer.
2. The Chain A is connected to AUX port / Chain B is connected to Main port of module.

3 Test Methodology

3.1. Mode of Operation

Decision of Test Eurofins has verified the construction and function in typical operation. All the test modes were carried out with the EUT in normal operation, which was shown in this test report and defined as:

Pre-Test Mode	Final-Test Mode
802.11b	V
802.11g	
802.11n HT20	V
802.11n HT40	V
802.11ax HE20	
802.11ax HE40	

Software used to control the EUT for staying in continuous transmitting mode was programmed.
After verification, all tests were carried out with the worst case test modes.

Note：The device is used with adapter (number：ADP-240EB B) performing the test.

Antenna Port		
SISO A / MIMO A = Chain A	SISO B / MIMO B = Chain B	MIMO A+B = Chain A + B

SISO			
Test Mode	SISO A	SISO B	
802.11b	V	---	
802.11n HT20	V	---	
802.11n HT40	---	V	
Test Mode	Antenna Delivery	MCS Index	Test Channel
802.11b	1TX(Diversity)	1 Mbps	13
802.11n HT20	1TX(Diversity)	MCS 0	12
802.11n HT40	1TX(Diversity)	MCS 0	10

MIMO			
Test Mode	MIMO A	MIMO B	MIMO A + B
802.11n HT20	---	---	V
802.11n HT40	---	---	V
Test Mode	Antenna Delivery	MCS Index	Test Channel
802.11n HT20	2TX(MIMO)	MCS 8	13
802.11n HT40	2TX(MIMO)	MCS 8	3, 9, 11

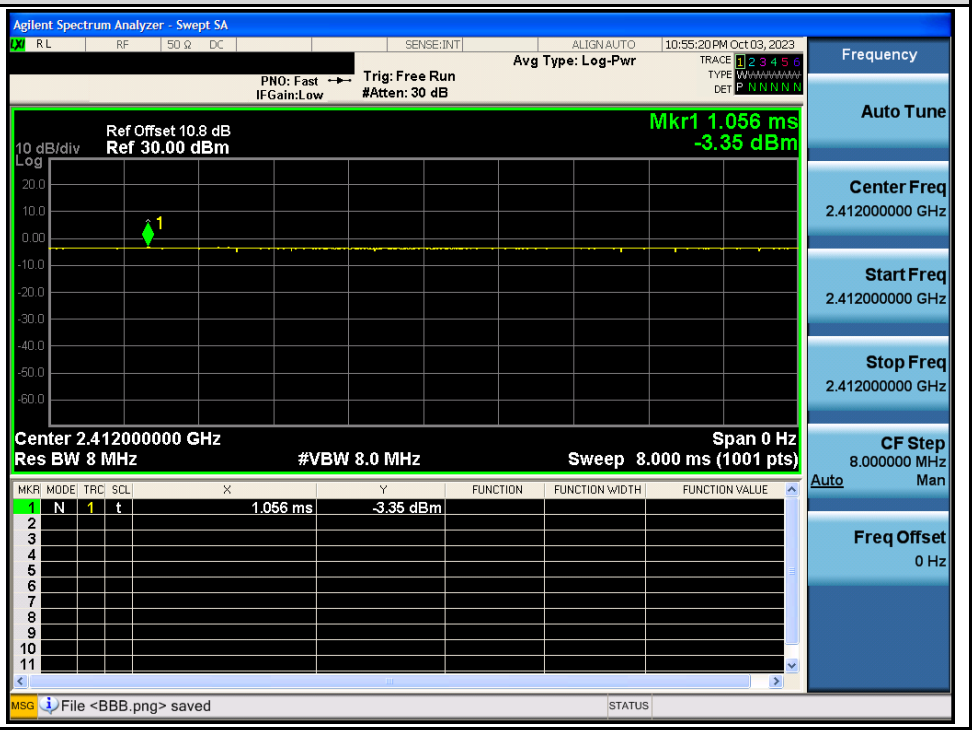
Duty cycle

MB2-SISO						
Test Mode	Frequency (MHz)	on time (ms)	on+off time (ms)	Duty cycle	Duty Factor (dB)	1/T Minimum VBW (kHz)
802.11b	2412	8.000	8.000	1.000	0.000	0.010
802.11n HT20	2412	0.376	0.420	0.895	0.481	2.660
802.11n HT40	2422	0.384	0.428	0.897	0.471	2.604

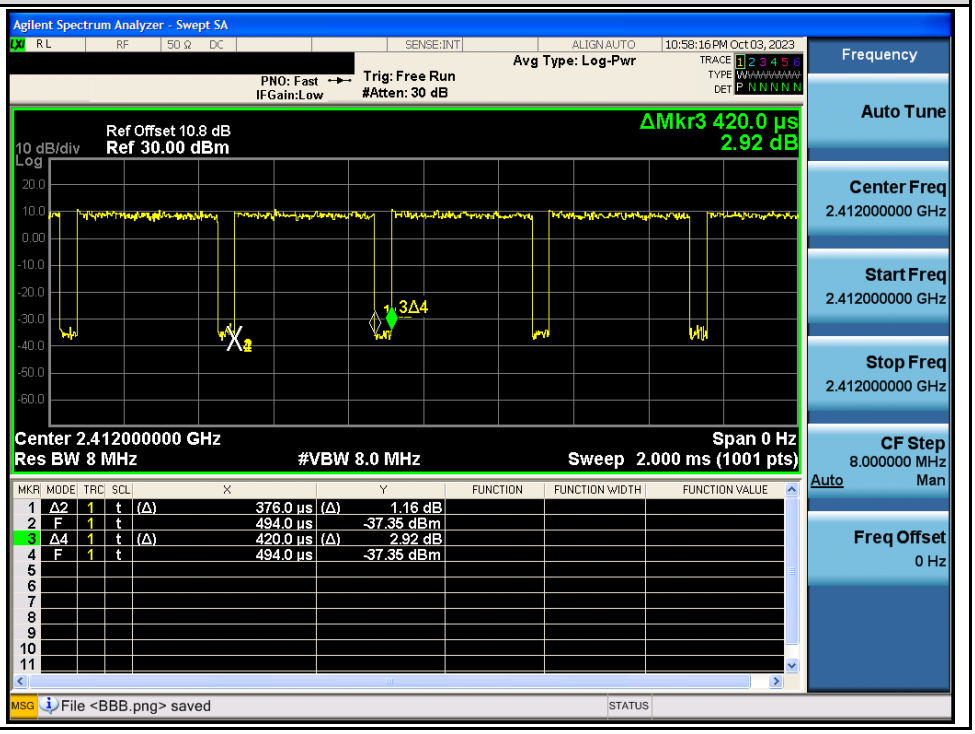
MB2-MIMO						
Test Mode	Frequency (MHz)	on time (ms)	on+off time (ms)	Duty cycle	Duty Factor (dB)	1/T Minimum VBW (kHz)
802.11n HT20	2412	0.388	0.434	0.894	0.487	2.577
802.11n HT40	2422	0.390	0.432	0.903	0.444	2.564

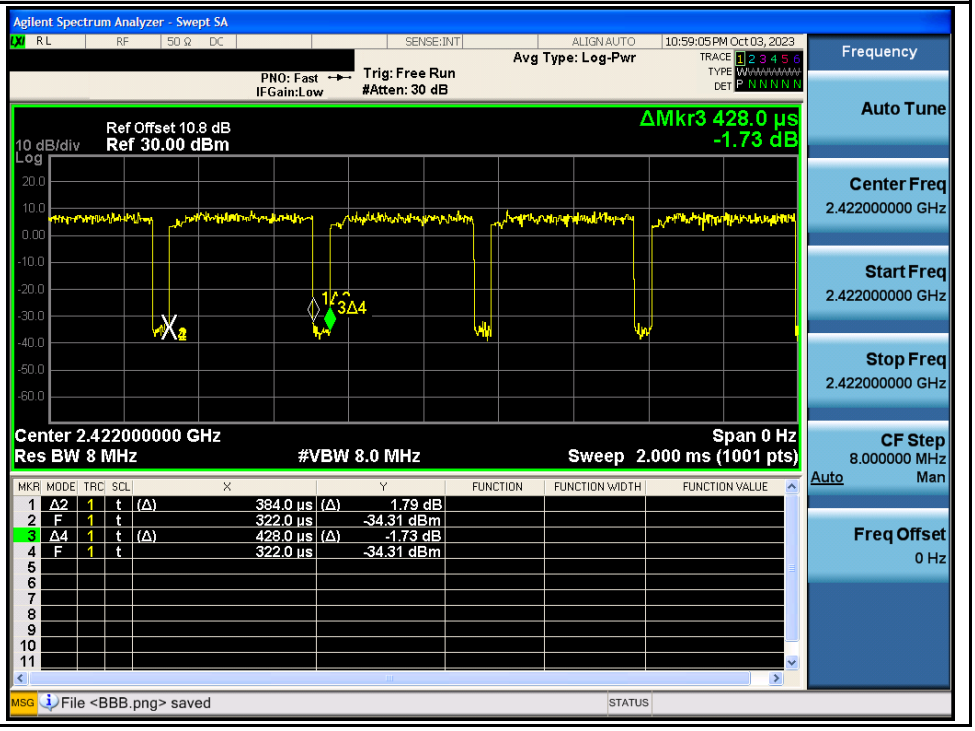
MB2-SISO

802.11b

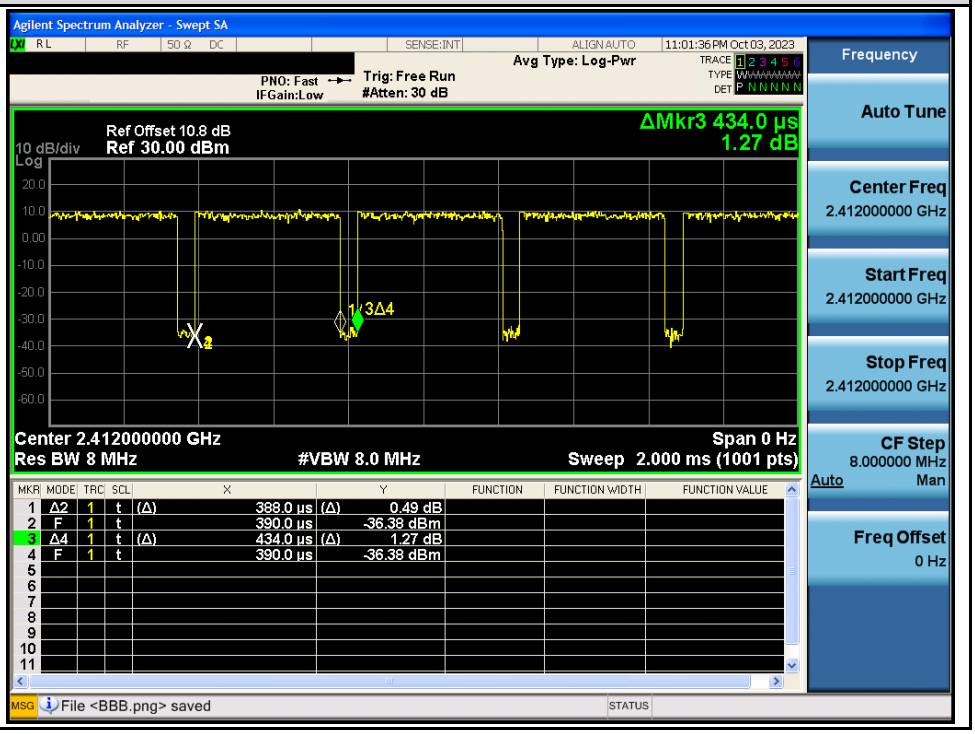
On+off time	

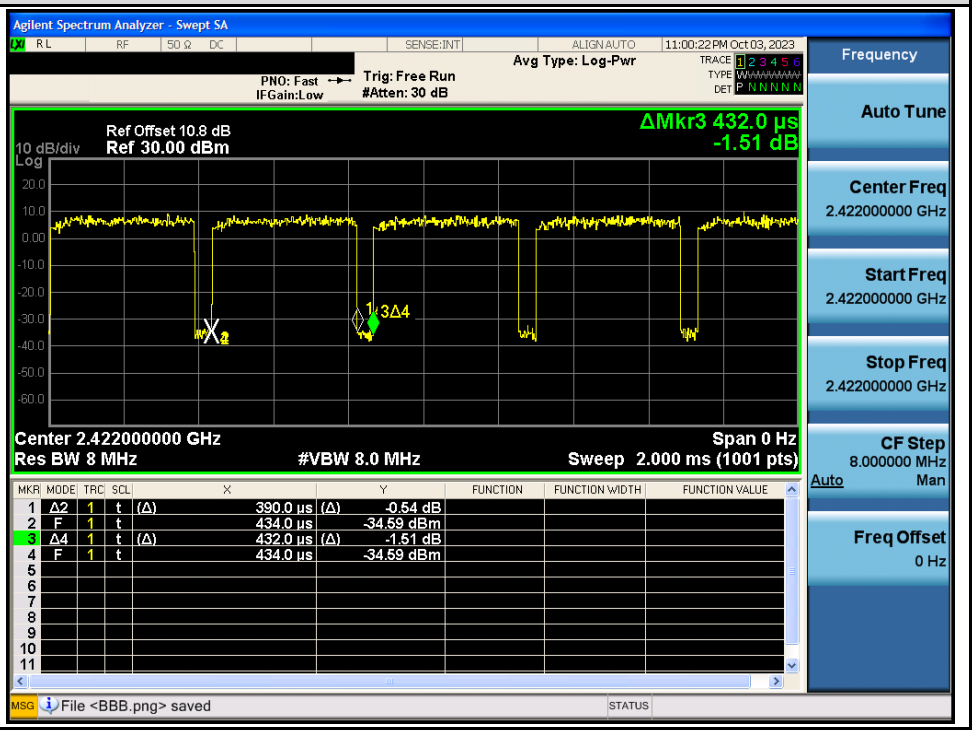
802.11n HT20

On+off time	

802.11n HT40	
On+off time	

MB2-MIMO

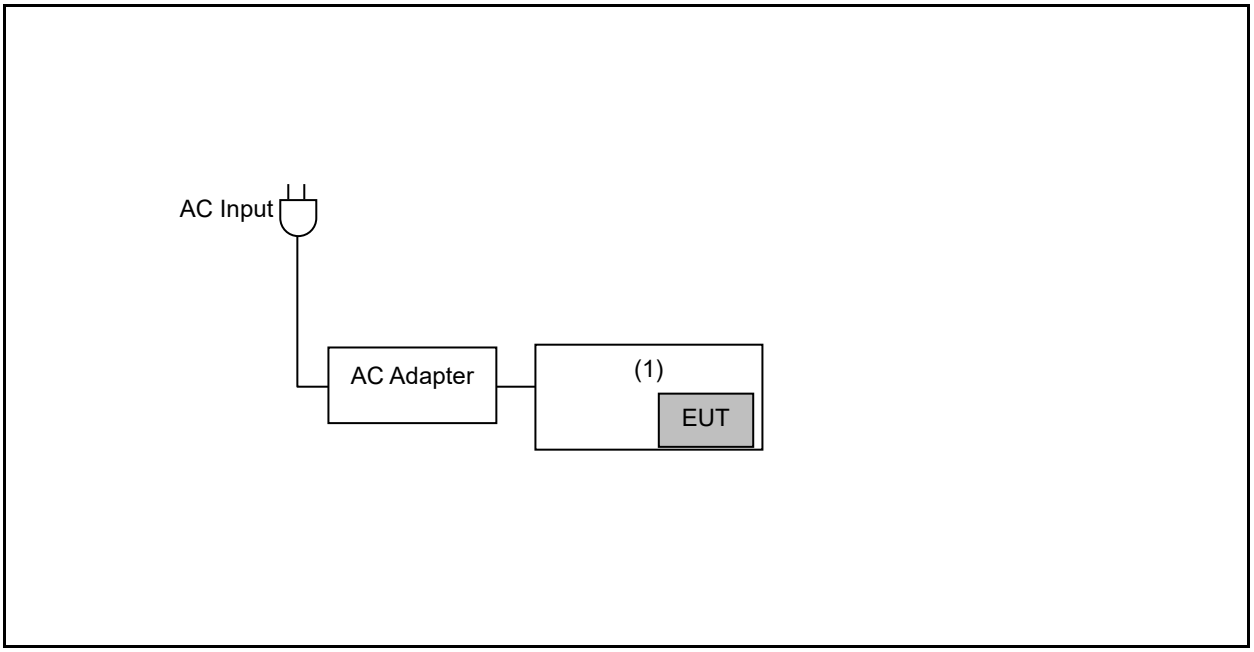
802.11n HT20	
On+off time	

802.11n HT40	
On+off time	

3.2. EUT Test Step

1	Setup the EUT by “Configuration of Test System Details” shown below.
2	Turn on the power of all equipment.
3	The EUT was programmed to be in continuously transmitting mode.
4	The EUT get into the test mode to provide data rate, channel, bandwidth and power level.

3.3. Configuration of Test System Details



Devices Description					
Product		Manufacturer	Model Number	Serial Number	Power Cord
(1)	Notebook PC	ASUS	GU605M	---	---

3.4. Test Instruments

For Conducted
Test Period: Oct. 03, 2023
Testing Engineer: John Chen

Test Site		RF01-BD				
Use	Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
☒	Power Sensor	Anritsu	MA2411B	1126022	Aug. 31, 2023	1 year
☒	Power Meter	Anritsu	ML2495A	1135009	Aug. 31, 2023	1 year
☒	Spectrum Analyzer (3 Hz~50 GHz)	Agilent	N9030A	MY53120541	Dec. 29, 2022	1 year

Note: N.C.R. = No Calibration Request

For Radiated Emissions(1)
Test Period: Oct. 04, 2023
Testing Engineer: Eason Lee, Jayson Hsieh

Test Site		96601-BD				
Radiation test sites		Semi Anechoic Room				
Use	Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
☒	Spectrum Analyzer (10 Hz~44 GHz)	Keysight	N9010A	MY52221312	Jan. 07, 2023	1 year
☒	Pre Amplifier (1~26.5 GHz)	Agilent	8449B	3008A02455	Jul. 12, 2023	1 year
☒	Broadband Horn Antenna (1 GHz~18 GHz)	Schwarzbeck Mess-Elektronik	9120D	9120D-550	Jul. 21, 2023	1 year
☒	Microwave Cable	EMCI	EMC104-SM-SM-13000	170814	Feb. 17, 2023	1 year
☒	Microwave Cable	SUHNER	suflex104	313229/4	Feb. 17, 2023	1 year
☒	Software	EZ EMC	1.1.4.4	N/A	N.C.R.	---

For Radiated Emissions(2)
Test Period: May. 01, 2024
Testing Engineer: Jayson Hsieh

Test Site		96601-BD				
Radiation test sites		Semi Anechoic Room				
Use	Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
☒	Spectrum Analyzer (10 Hz~44 GHz)	Keysight	N9010A	MY52221312	Jan. 04, 2024	1 year
☒	Pre Amplifier (1~26.5 GHz)	Agilent	8449B	3008A02455	Jul. 12, 2023	1 year
☒	Broadband Horn Antenna (1 GHz~18 GHz)	Schwarzbeck Mess-Elektronik	9120D	9120D-550	Jul. 21, 2023	1 year
☒	Microwave Cable	EMCI	EMC104-SM-SM-13000	170814	Jan. 16, 2024	1 year
☒	Microwave Cable	EMCI	EMCCFD400-NM-NM-6000	210902	Jan. 16, 2024	1 year
☒	Microwave Cable	SUHNER	suflex104	313229/4	Jan. 16, 2024	1 year
☒	Software	EZ EMC	1.1.4.4	N/A	N.C.R.	---

Note: N.C.R. = No Calibration Request

4 Measurement Procedure

4.1. Radiated Emission Measurement

■ **Limit**

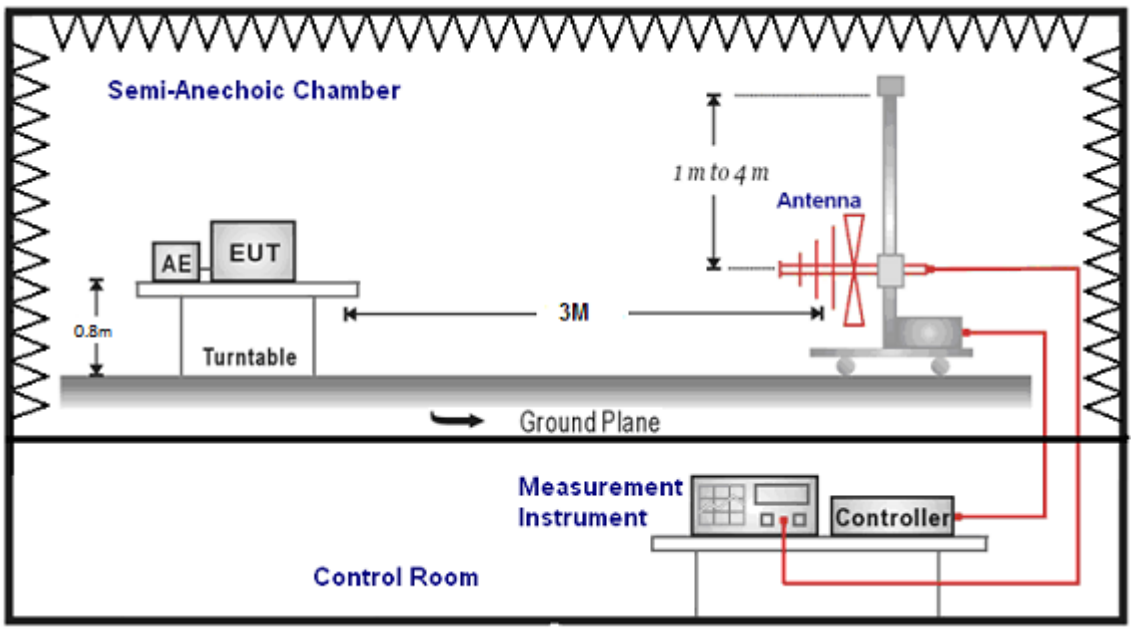
According to §15.209(a), except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength (μV/m at meter)	Measurement Distance (meters)
0.009 – 0.490	2400 / F (kHz)	300
0.490 – 1.705	24000 / F (kHz)	30
1.705 – 30.0	30	30
30 - 88	100**	3
88-216	150**	3
216-960	200**	3
Above 960	500	3

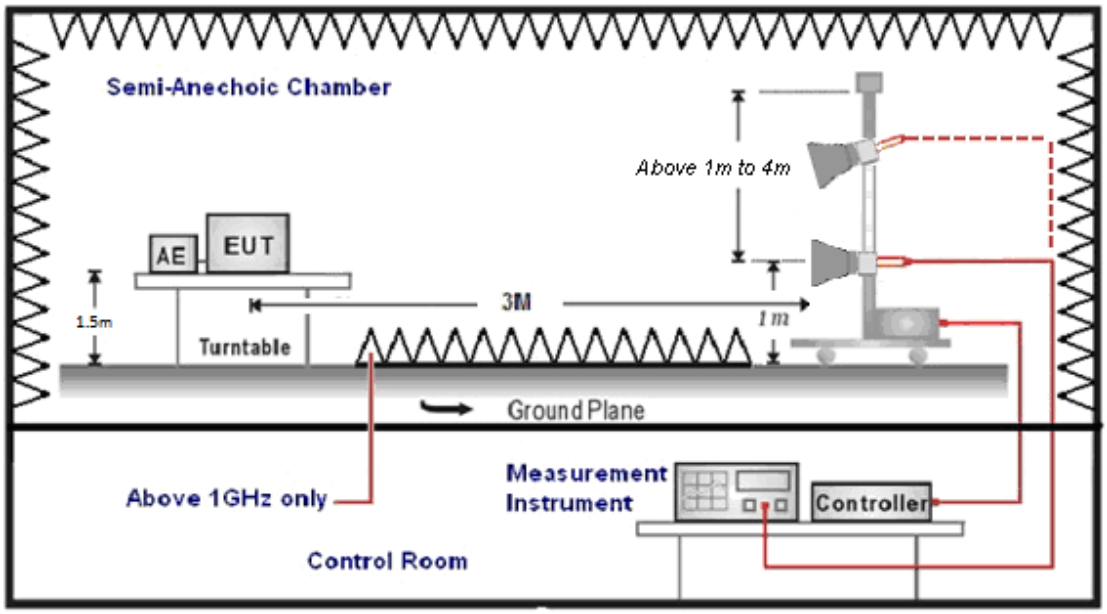
** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this Part, e.g., Sections 15.231 and 15.241.

■ **Setup**

Below 1 GHz



Above 1 GHz



■ **Test Procedure**

Please refer to ANSI C63.10-2013 clause 6.5 / 6.6 / 6.10.5 for the test method.

Please refer to ANSI C63.10-2013 clause 11.12.1 / 11.12.2.7 for the test method.

■ **Other Description**

1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, there is no need to evaluate the average.

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

5.The emission level of other frequencies is much lower than the limit and not shown in test report.

4.2. Antenna Measurement

■ **Limit**

For intentional device, according to 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

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

■ **Antenna Description**

See section 2 – antenna information.

5 Test Results

For Radiated Band Edge Use

MB2-SISO					
Test Mode	Test Channel	Output Power (dBm)		Power Setting	
		SISO A	SISO B	SISO A	SISO B
802.11b	13	14.76	---	15.000	---
802.11n HT20	12	14.73	---	15.250	---
802.11n HT40	10	---	11.12	---	11.375

MB2-MIMO					
Test Mode	Test Channel	Output Power (dBm)		Power Setting	
		MIMO A	MIMO B	MIMO A	MIMO B
802.11n HT20	13	9.11	9.13	10.000	9.875
802.11n HT40	3	14.78	14.86	15.000	14.875
	9	14.71	14.77	15.000	14.875
	11	8.79	8.71	9.125	9.000

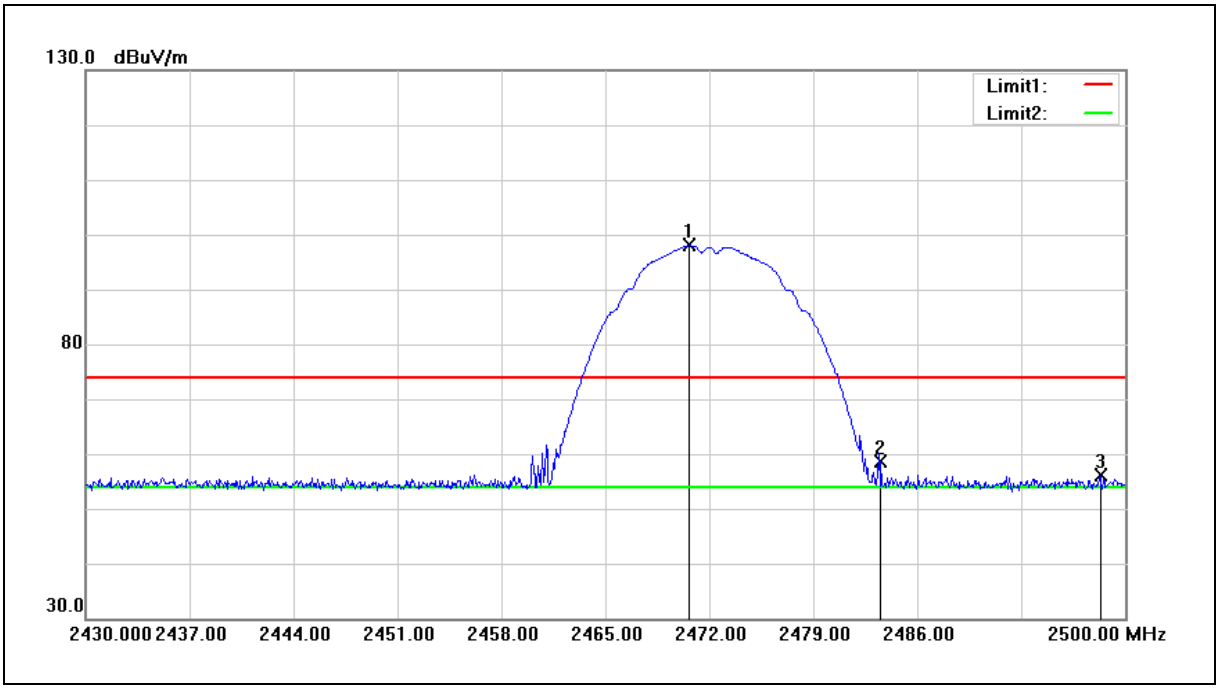
5.1. Radiated Emission Measurement

Band Edge

MB2

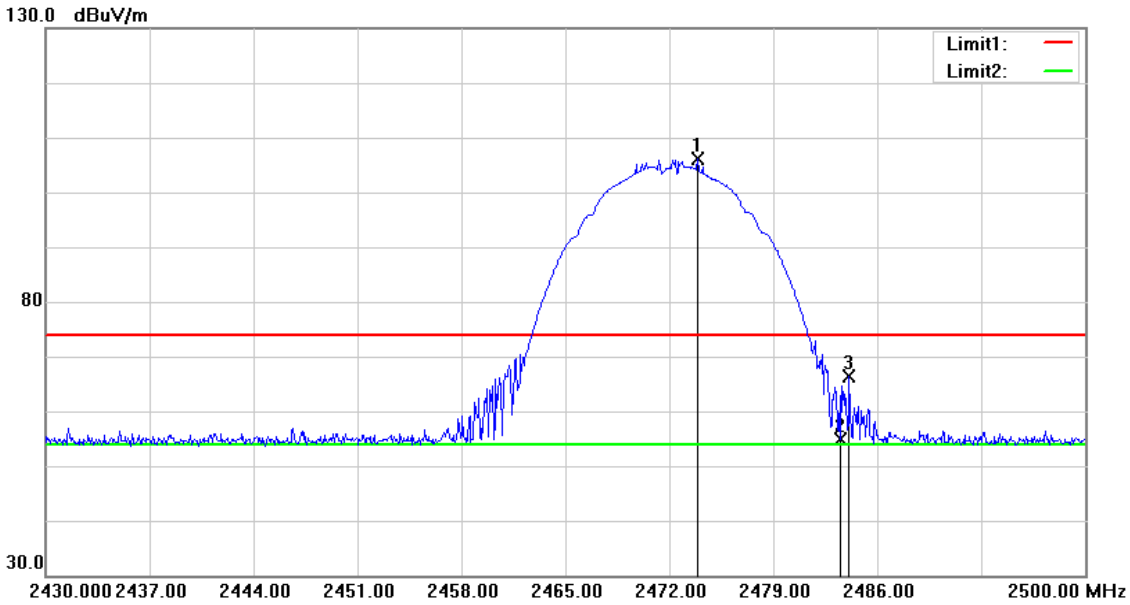
SISO A - Peak

Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge		
Frequency:	2472 MHz		
Mode:	802.11b		
Ant.Polar.:	Horizontal		



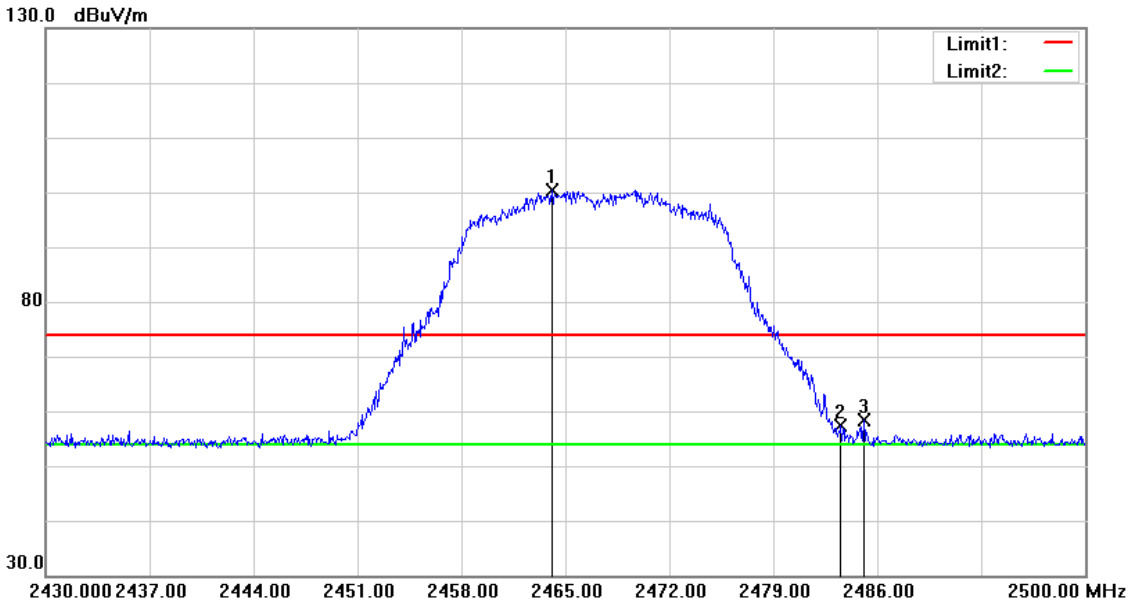
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2470.670	99.16	-1.14	98.02	74.00	24.02	peak
2	2483.500	59.78	-1.15	58.63	74.00	-15.37	peak
3	2498.320	57.34	-1.14	56.20	74.00	-17.80	peak

Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge		
Frequency:	2472 MHz		
Mode:	802.11b		
Ant.Polar.:	Vertical		



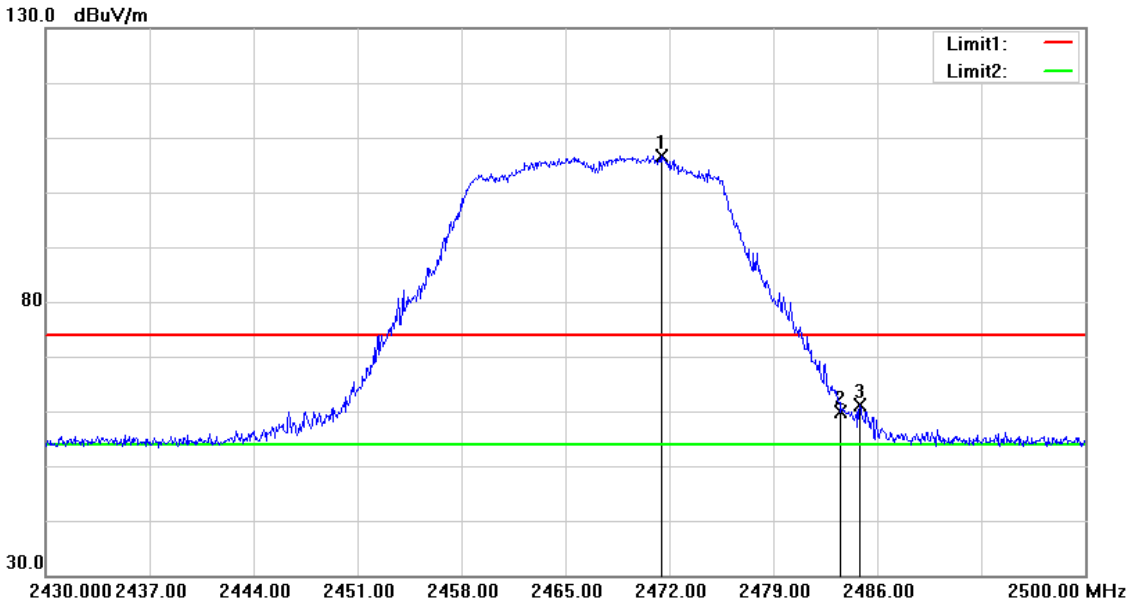
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2473.890	107.16	-1.15	106.01	74.00	32.01	peak
2	2483.500	55.96	-1.15	54.81	74.00	-19.19	peak
3	2484.110	67.63	-1.14	66.49	74.00	-7.51	peak

Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge		
Frequency:	2467 MHz		
Mode:	802.11n HT20		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2464.090	101.51	-1.15	100.36	74.00	26.36	peak
2	2483.500	58.42	-1.15	57.27	74.00	-16.73	peak
3	2485.090	59.64	-1.14	58.50	74.00	-15.50	peak

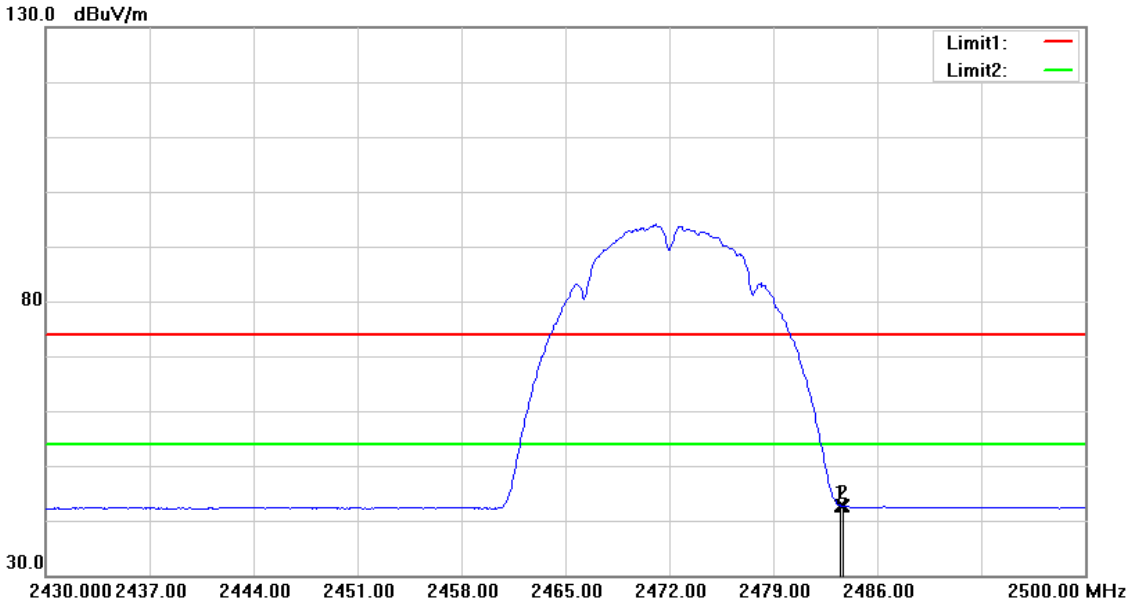
Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge		
Frequency:	2467 MHz		
Mode:	802.11n HT20		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2471.440	107.88	-1.14	106.74	74.00	32.74	peak
2	2483.500	61.08	-1.15	59.93	74.00	-14.07	peak
3	2484.810	62.21	-1.14	61.07	74.00	-12.93	peak

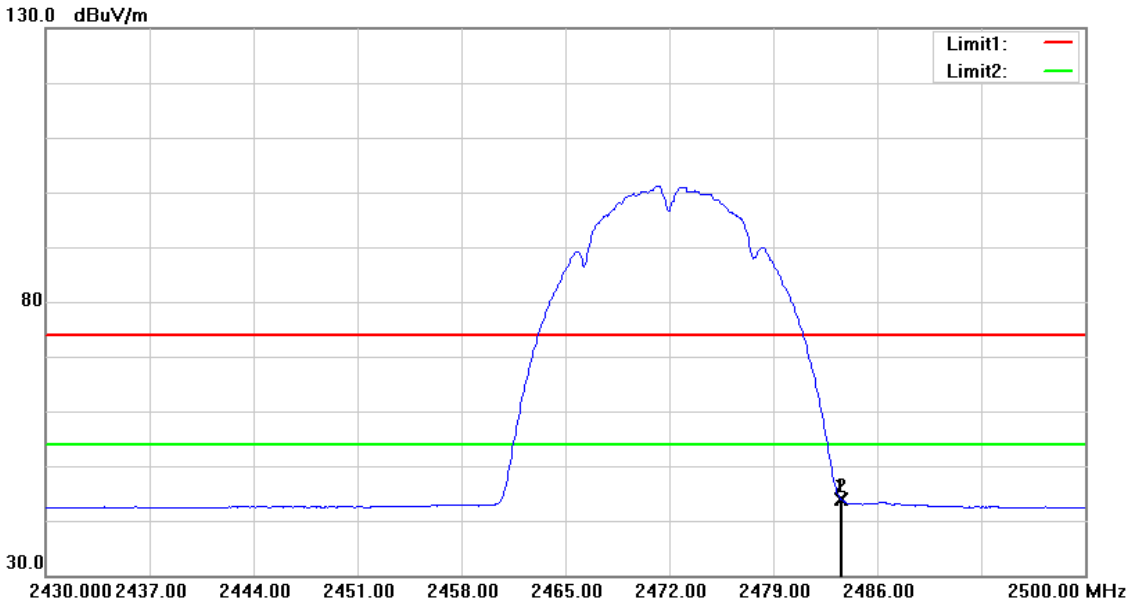
SISO A - Average

Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge		
Frequency:	2472 MHz		
Mode:	802.11b		
Ant.Polar.:	Horizontal		



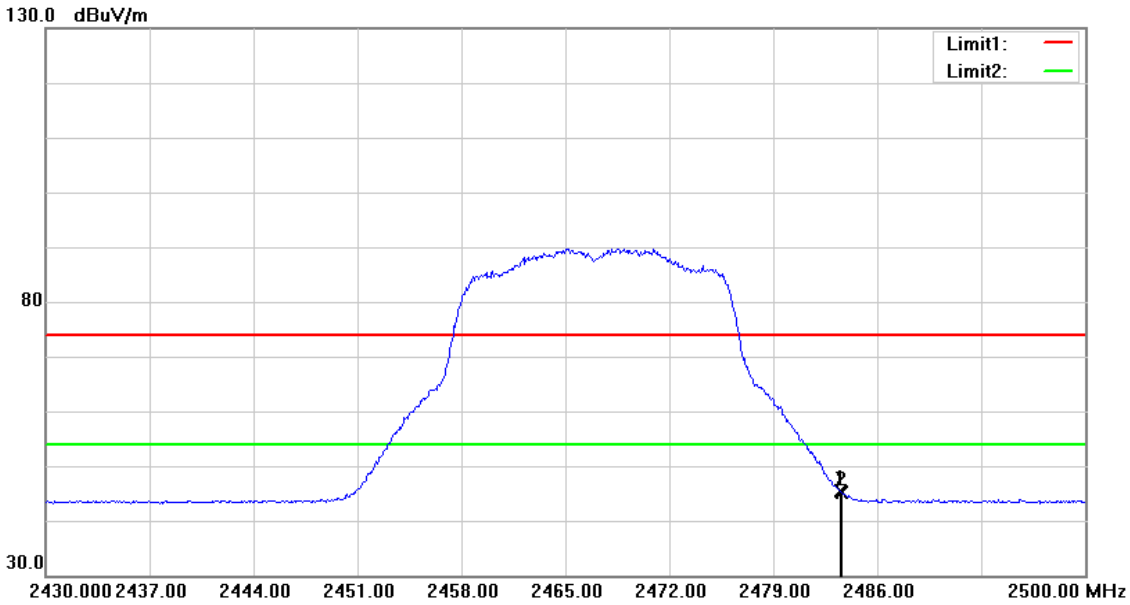
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	43.90	-1.15	42.75	54.00	-11.25	AVG
2	2483.690	43.75	-1.15	42.60	54.00	-11.40	AVG

Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge		
Frequency:	2472 MHz		
Mode:	802.11b		
Ant.Polar.:	Vertical		



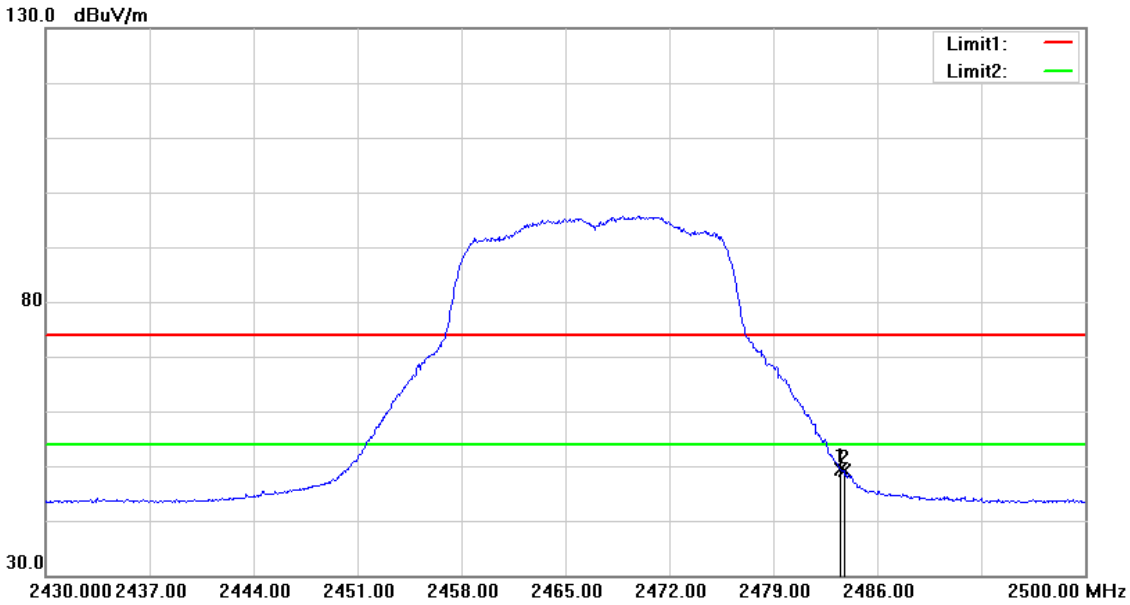
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	45.14	-1.15	43.99	54.00	-10.01	AVG
2	2483.620	44.97	-1.15	43.82	54.00	-10.18	AVG

Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge		
Frequency:	2467 MHz		
Mode:	802.11n HT20		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	46.53	-1.15	45.38	54.00	-8.62	AVG
2	2483.620	46.38	-1.15	45.23	54.00	-8.77	AVG

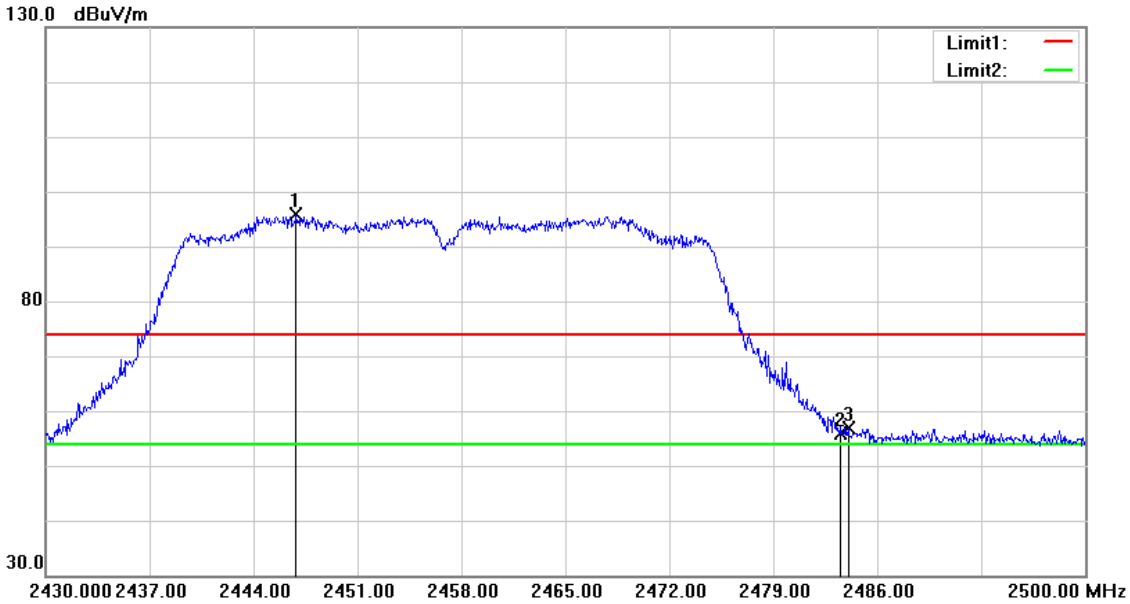
Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge		
Frequency:	2467 MHz		
Mode:	802.11n HT20		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	50.43	-1.15	49.28	54.00	-4.72	AVG
2	2483.760	50.36	-1.15	49.21	54.00	-4.79	AVG

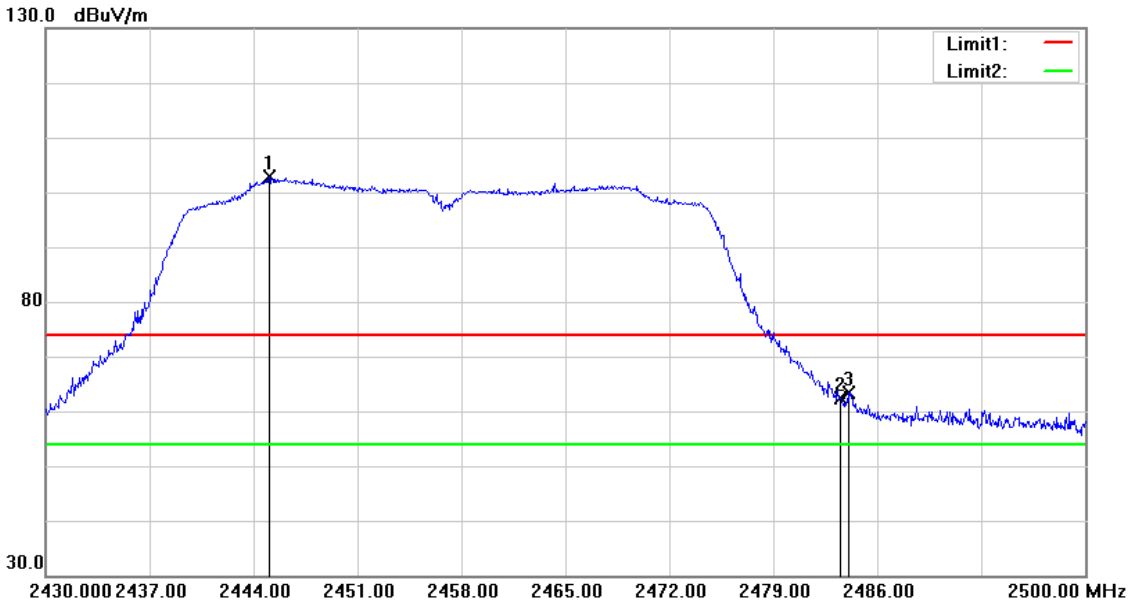
SISO B - Peak

Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge		
Frequency:	2457 MHz		
Mode:	802.11n HT40		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2446.870	96.90	-1.14	95.76	74.00	21.76	peak
2	2483.500	56.91	-1.15	55.76	74.00	-18.24	peak
3	2484.040	58.10	-1.14	56.96	74.00	-17.04	peak

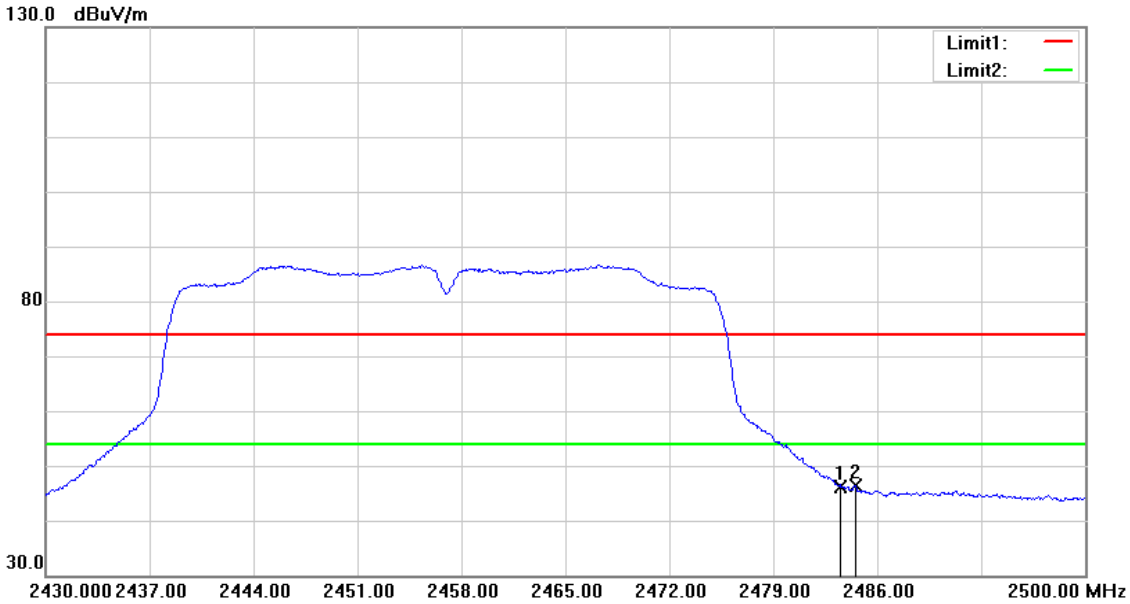
Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge		
Frequency:	2457 MHz		
Mode:	802.11n HT40		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2445.050	104.02	-1.15	102.87	74.00	28.87	peak
2	2483.500	63.45	-1.15	62.30	74.00	-11.70	peak
3	2484.040	64.47	-1.14	63.33	74.00	-10.67	peak

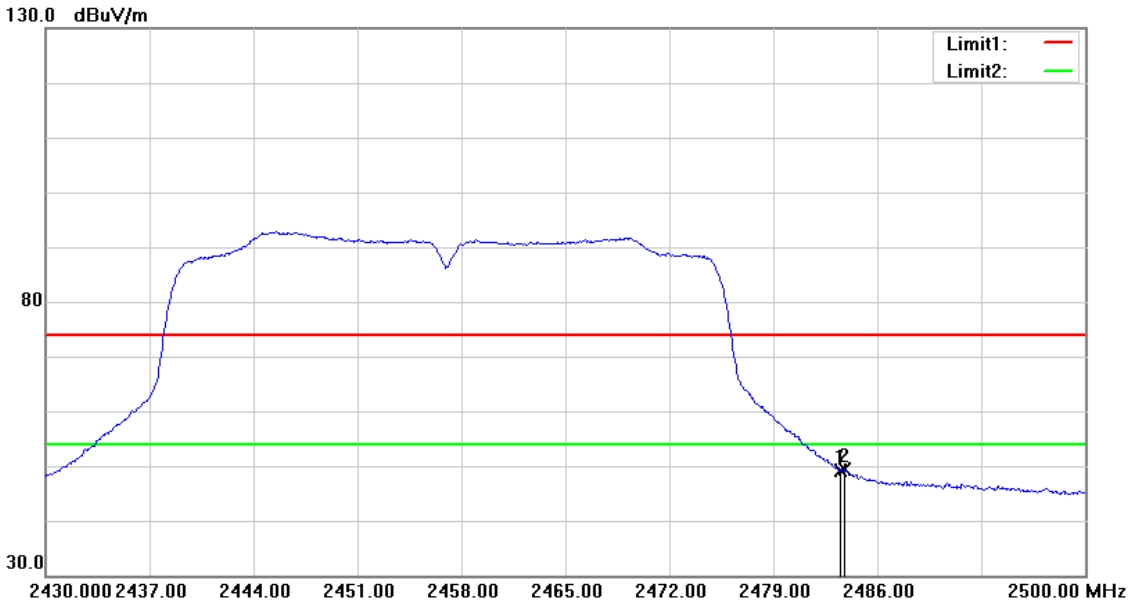
SISO B - Average

Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge		
Frequency:	2457 MHz		
Mode:	802.11n HT40		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	47.33	-1.15	46.18	54.00	-7.82	AVG
2	2484.530	47.53	-1.14	46.39	54.00	-7.61	AVG

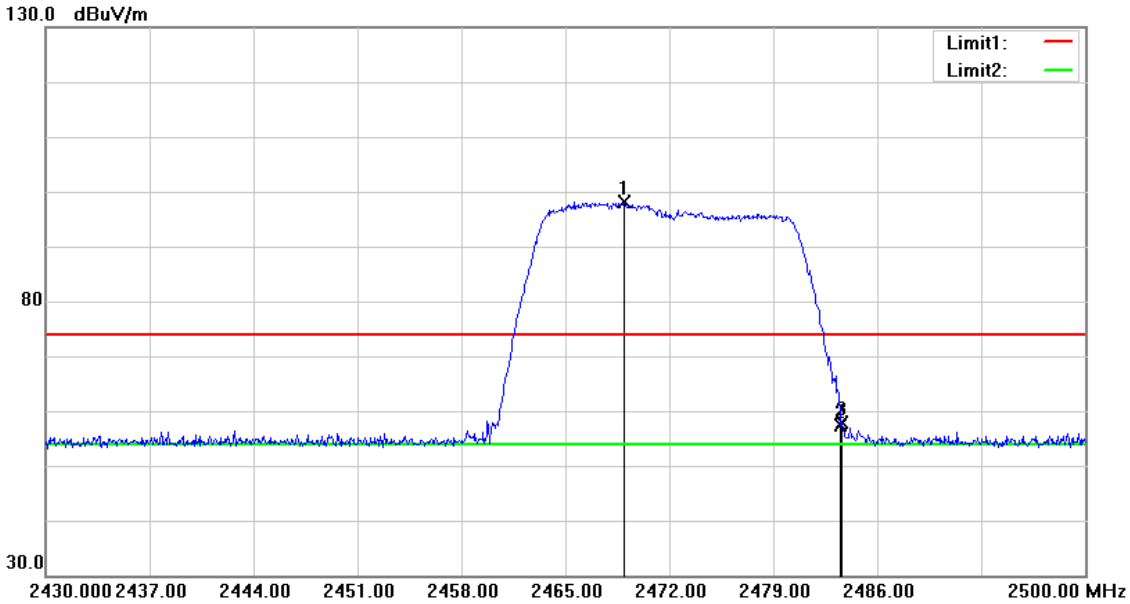
Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge		
Frequency:	2457 MHz		
Mode:	802.11n HT40		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	50.38	-1.15	49.23	54.00	-4.77	AVG
2	2483.760	50.54	-1.15	49.39	54.00	-4.61	AVG

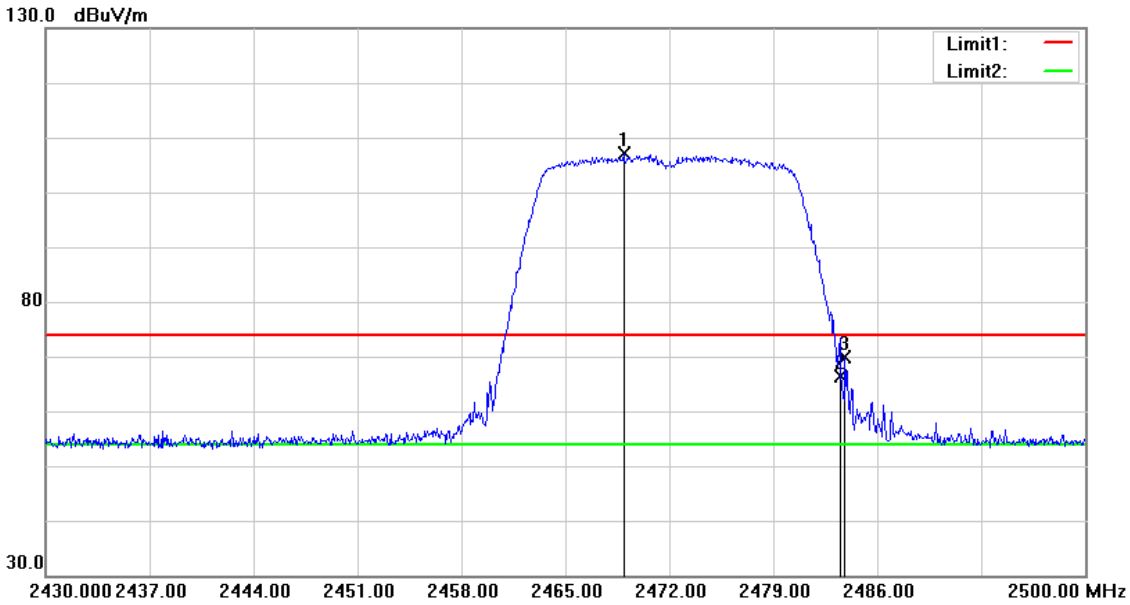
MIMO - Peak

Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge		
Frequency:	2472 MHz		
Mode:	802.11n HT20		
Ant.Polar.:	Horizontal		



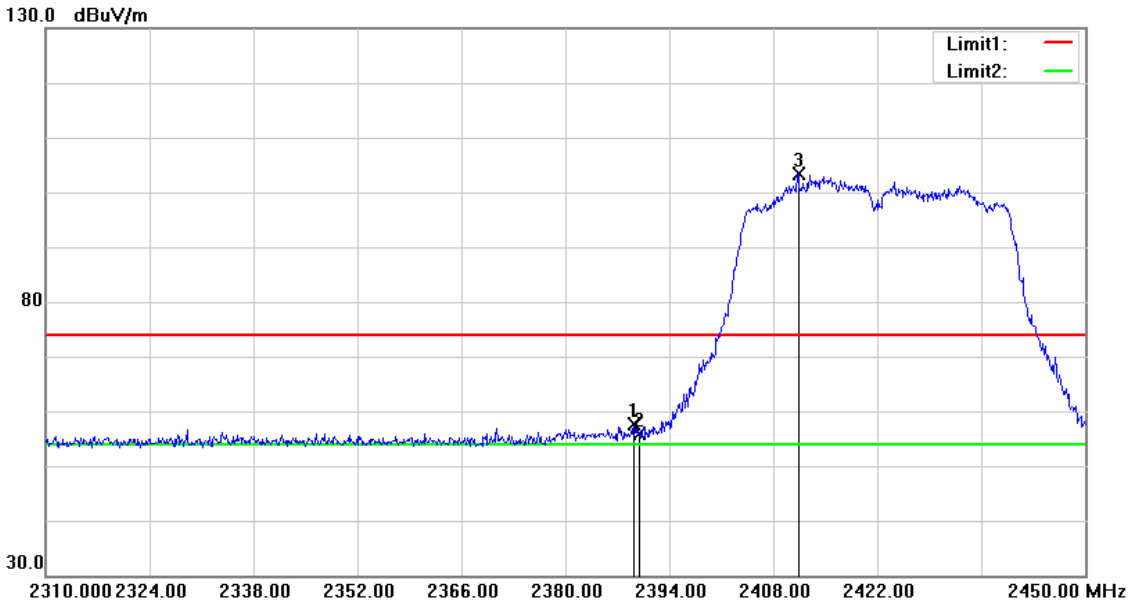
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2468.920	99.24	-1.15	98.09	74.00	24.09	peak
2	2483.500	58.47	-1.15	57.32	74.00	-16.68	peak
3	2483.620	59.15	-1.15	58.00	74.00	-16.00	peak

Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge		
Frequency:	2472 MHz		
Mode:	802.11n HT20		
Ant.Polar.:	Vertical		



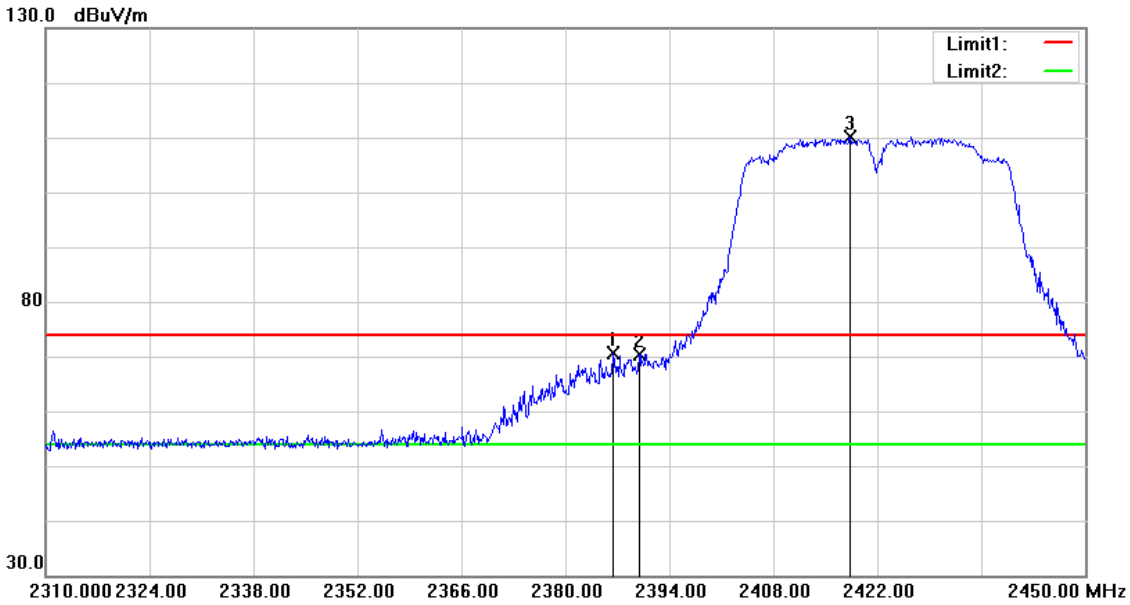
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2468.920	108.29	-1.15	107.14	74.00	33.14	peak
2	2483.500	67.60	-1.15	66.45	74.00	-7.55	peak
3	2483.830	71.11	-1.14	69.97	74.00	-4.03	peak

Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge		
Frequency:	2422 MHz		
Mode:	802.11n HT40		
Ant.Polar.:	Horizontal		



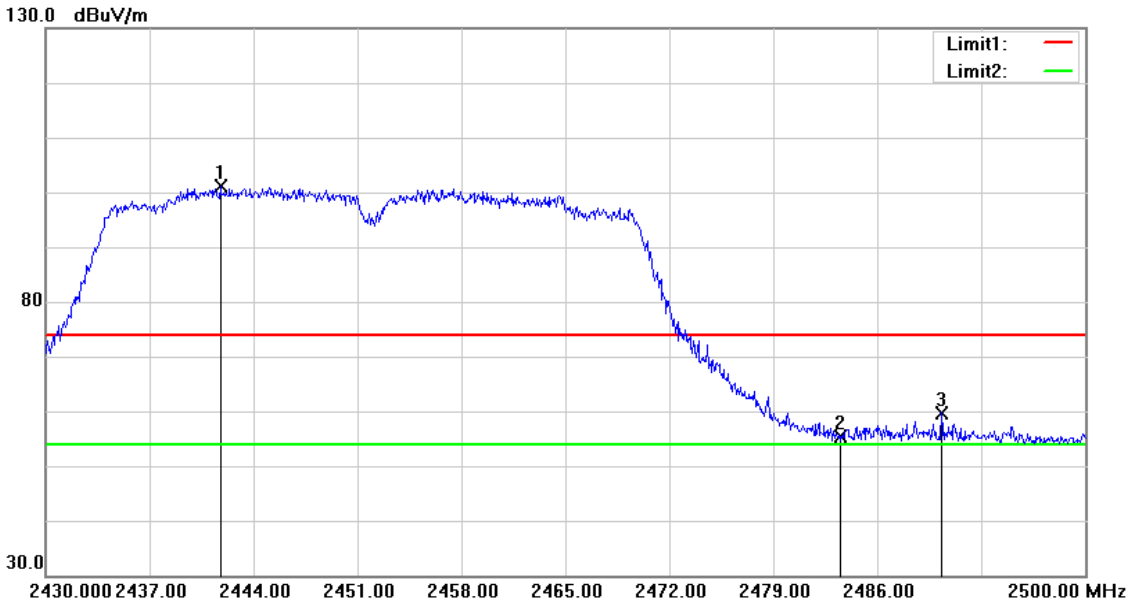
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.240	58.70	-1.12	57.58	74.00	-16.42	peak
2	2390.000	57.12	-1.12	56.00	74.00	-18.00	peak
3	2411.360	104.63	-1.15	103.48	74.00	29.48	peak

Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge		
Frequency:	2422 MHz		
Mode:	802.11n HT40		
Ant.Polar.:	Vertical		



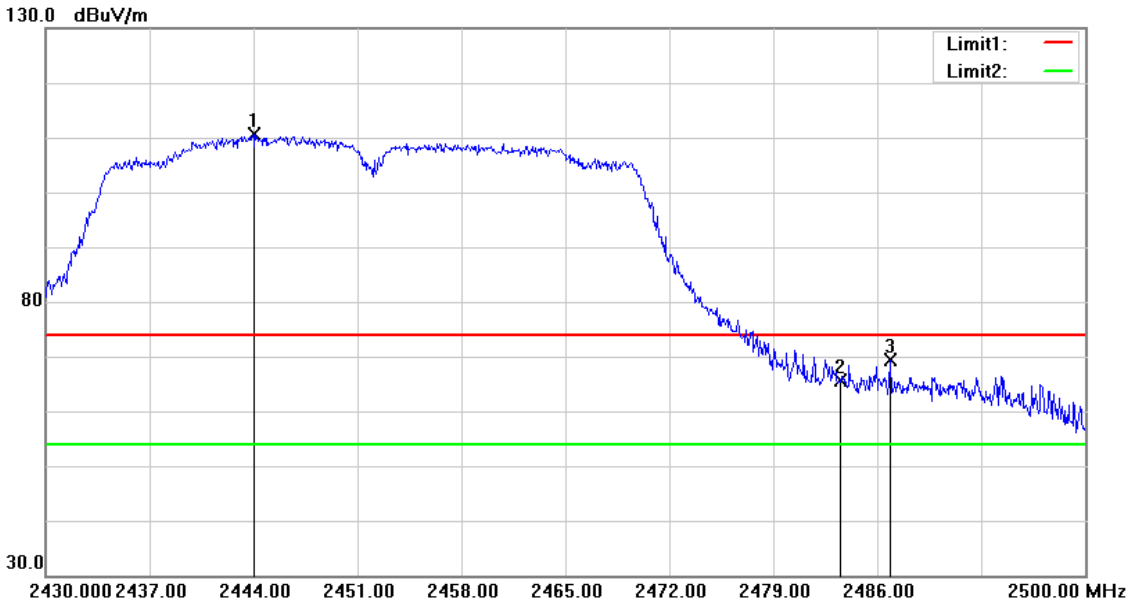
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2386.440	71.78	-1.11	70.67	74.00	-3.33	peak
2	2390.000	71.45	-1.12	70.33	74.00	-3.67	peak
3	2418.360	111.32	-1.16	110.16	74.00	36.16	peak

Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge		
Frequency:	2452 MHz		
Mode:	802.11n HT40		
Ant.Polar.:	Horizontal		



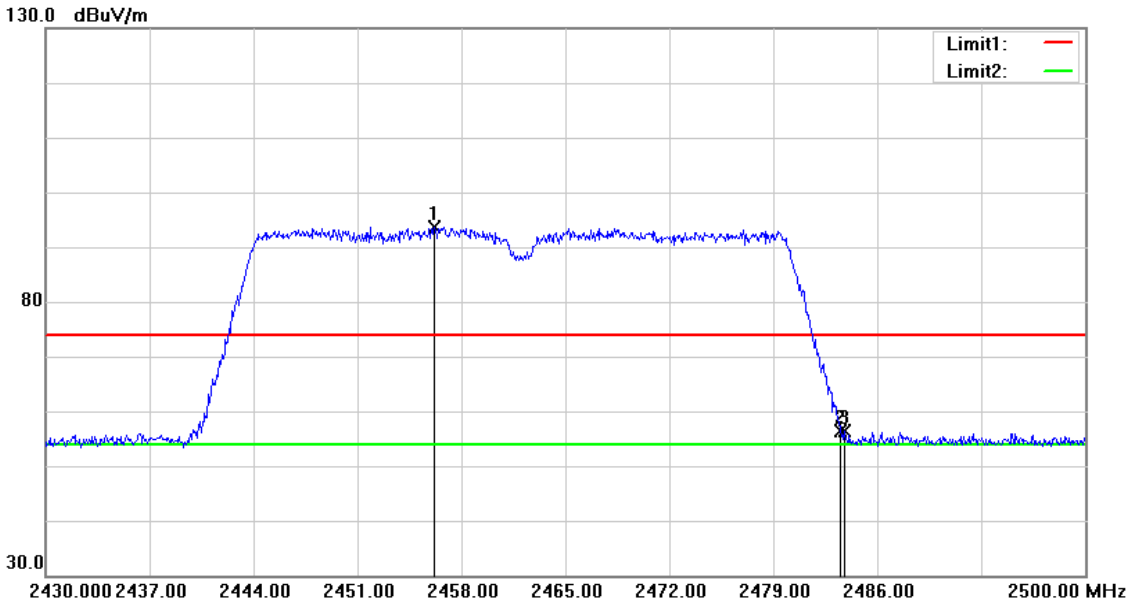
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2441.760	102.38	-1.15	101.23	74.00	27.23	peak
2	2483.500	56.41	-1.15	55.26	74.00	-18.74	peak
3	2490.340	60.89	-1.14	59.75	74.00	-14.25	peak

Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge		
Frequency:	2452 MHz		
Mode:	802.11n HT40		
Ant.Polar.:	Vertical		



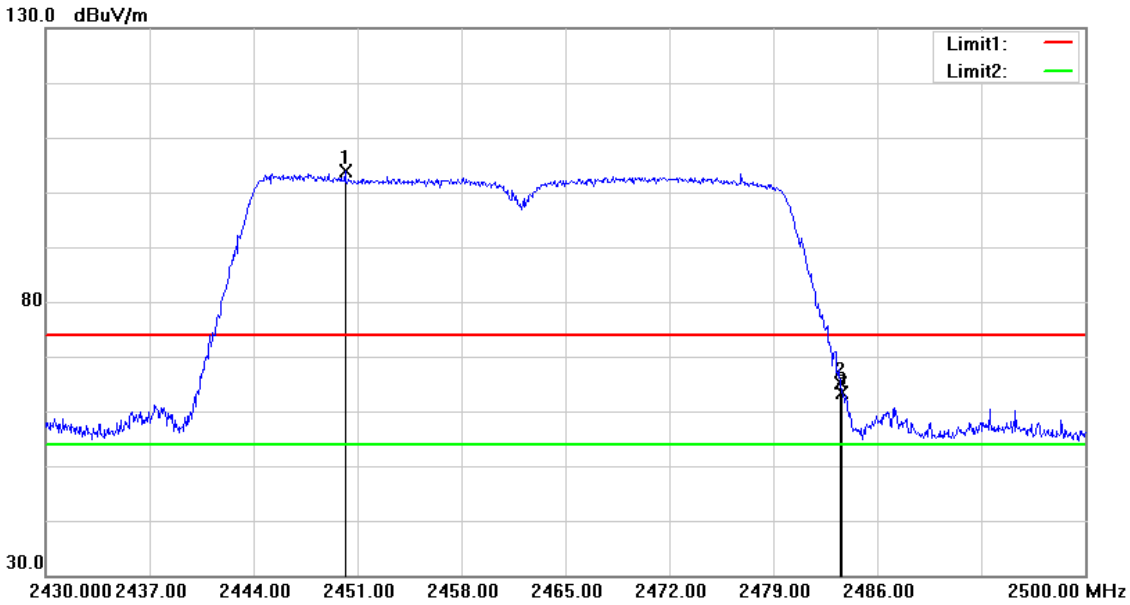
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2444.000	111.88	-1.15	110.73	74.00	36.73	peak
2	2483.500	66.82	-1.15	65.67	74.00	-8.33	peak
3	2486.910	70.55	-1.14	69.41	74.00	-4.59	peak

Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge		
Frequency:	2462 MHz		
Mode:	802.11n HT40		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2456.180	94.71	-1.14	93.57	74.00	19.57	peak
2	2483.500	57.59	-1.15	56.44	74.00	-17.56	peak
3	2483.760	57.50	-1.15	56.35	74.00	-17.65	peak

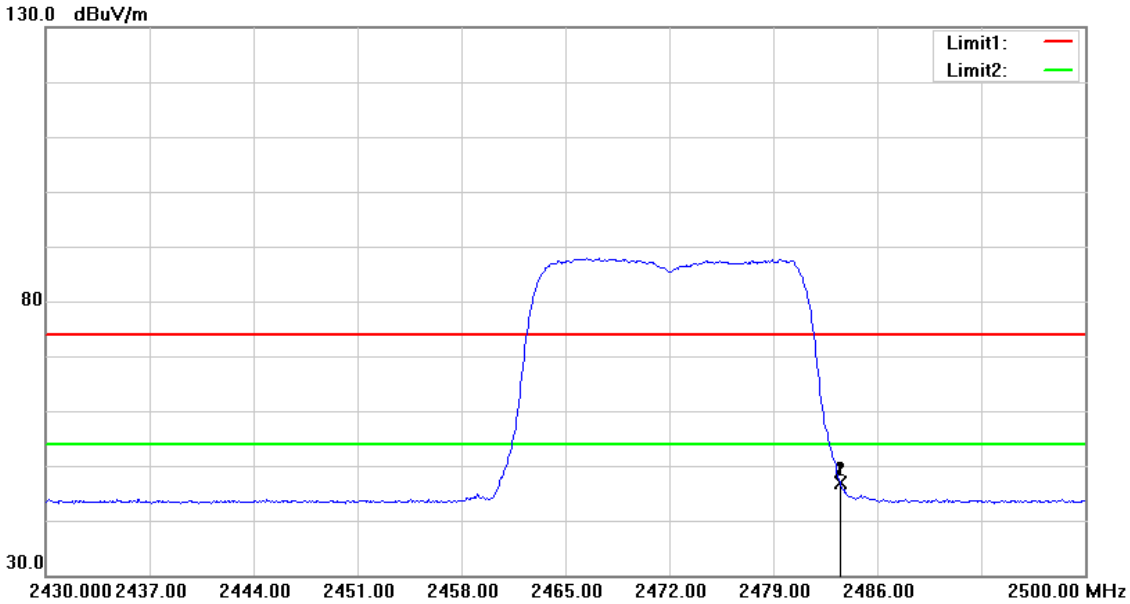
Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge		
Frequency:	2462 MHz		
Mode:	802.11n HT40		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2450.160	104.99	-1.15	103.84	74.00	29.84	peak
2	2483.500	66.29	-1.15	65.14	74.00	-8.86	peak
3	2483.620	64.65	-1.15	63.50	74.00	-10.50	peak

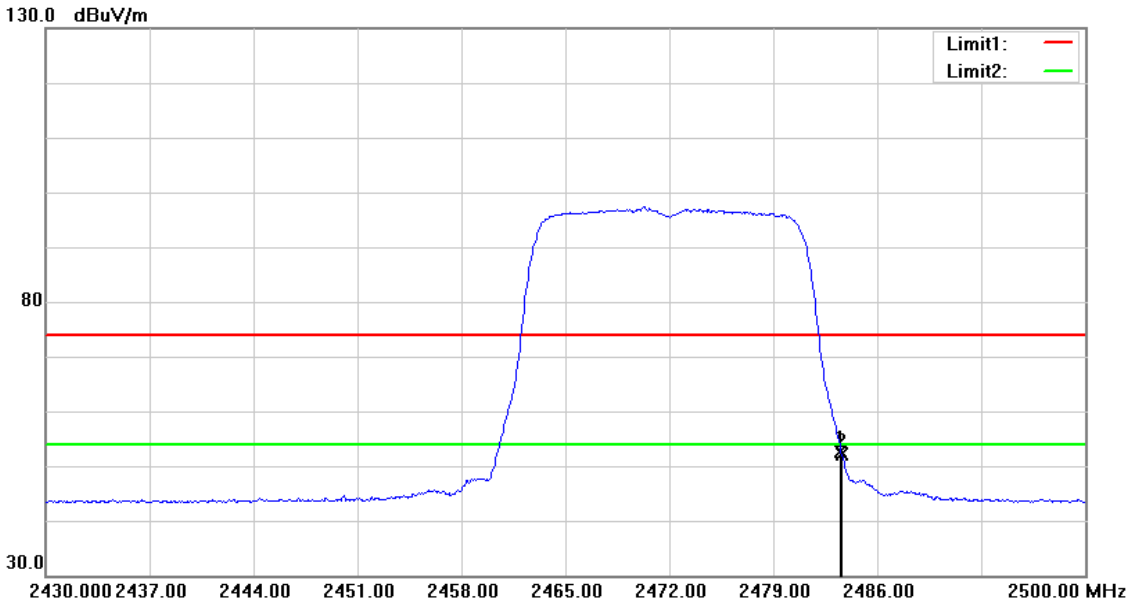
MIMO - Average

Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge		
Frequency:	2472 MHz		
Mode:	802.11n HT20		
Ant.Polar.:	Horizontal		



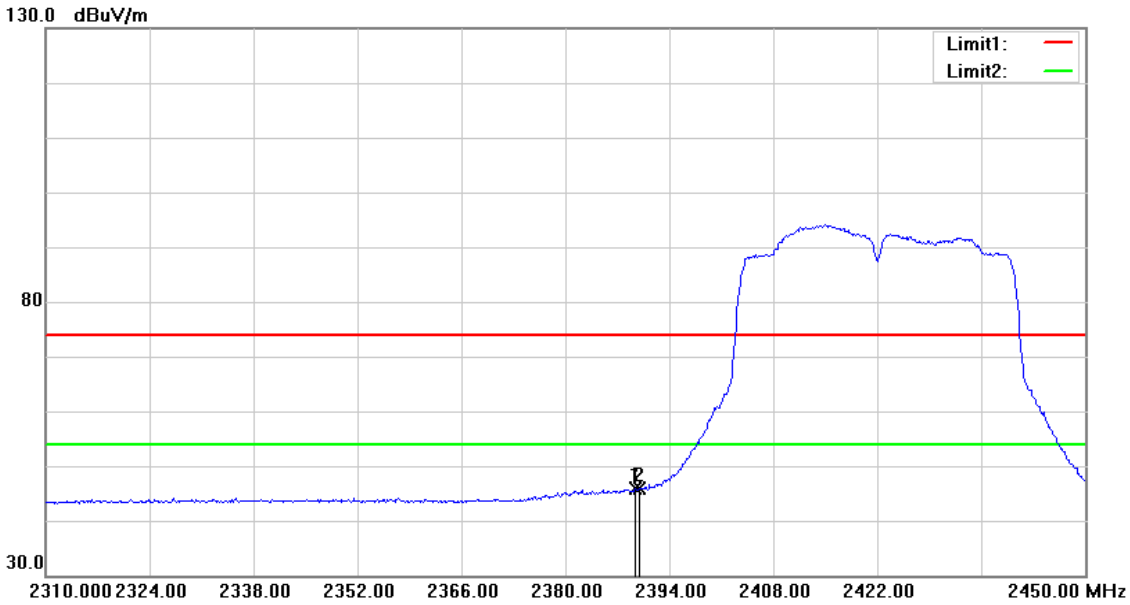
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	47.99	-1.15	46.84	54.00	-7.16	AVG
2	2483.550	47.99	-1.15	46.84	54.00	-7.16	AVG

Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge		
Frequency:	2472 MHz		
Mode:	802.11n HT20		
Ant.Polar.:	Vertical		



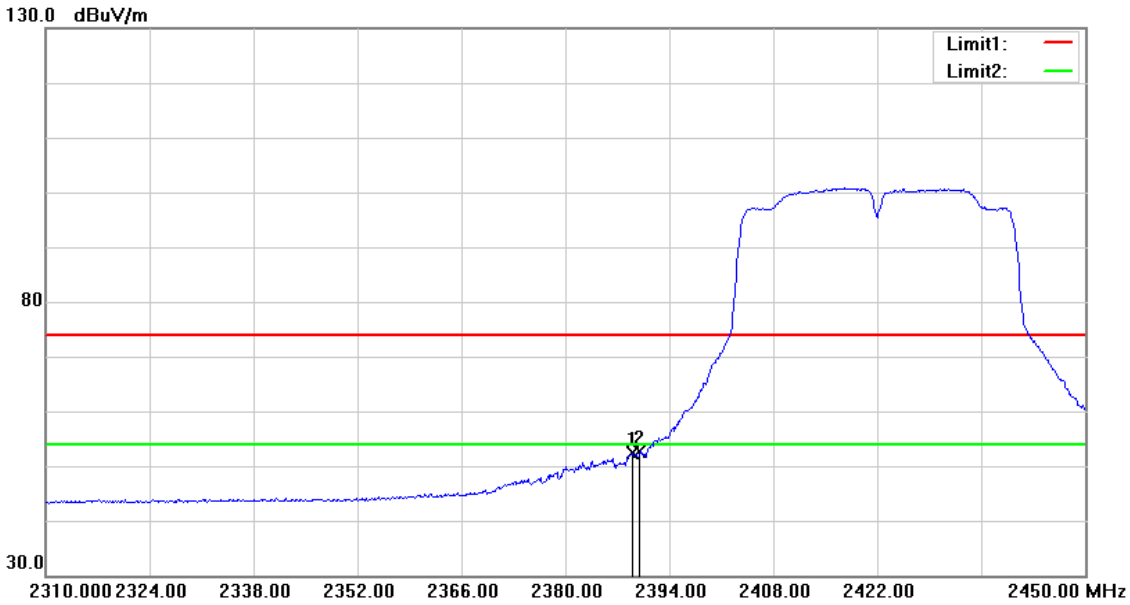
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	53.85	-1.15	52.70	54.00	-1.30	AVG
2	2483.620	53.30	-1.15	52.15	54.00	-1.85	AVG

Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge		
Frequency:	2422 MHz		
Mode:	802.11n HT40		
Ant.Polar.:	Horizontal		



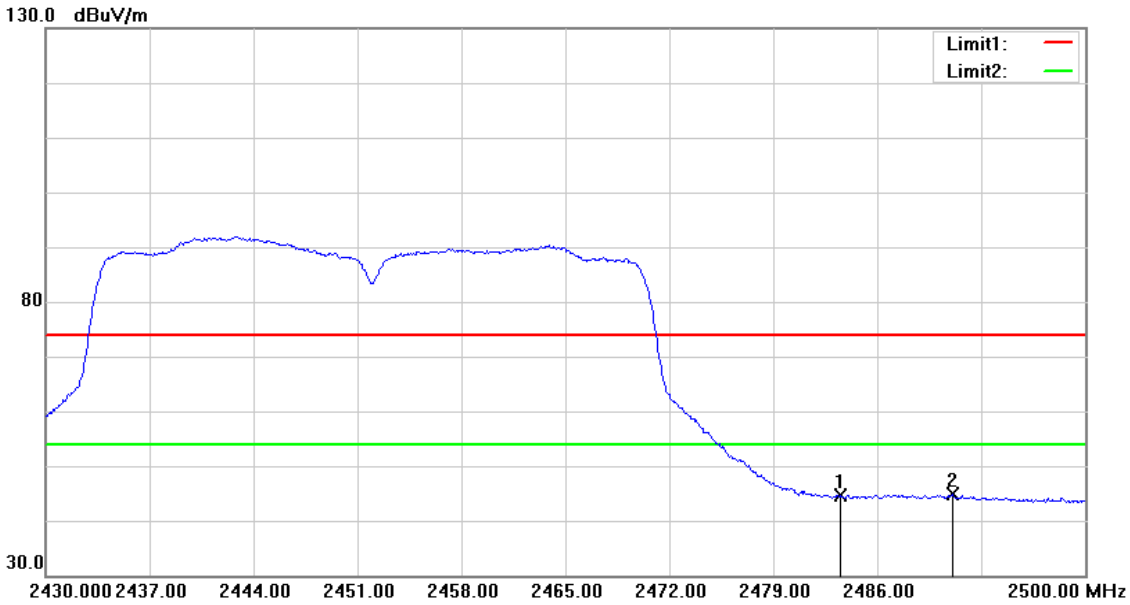
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.380	46.93	-1.12	45.81	54.00	-8.19	AVG
2	2390.000	46.90	-1.12	45.78	54.00	-8.22	AVG

Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge		
Frequency:	2422 MHz		
Mode:	802.11n HT40		
Ant.Polar.:	Vertical		



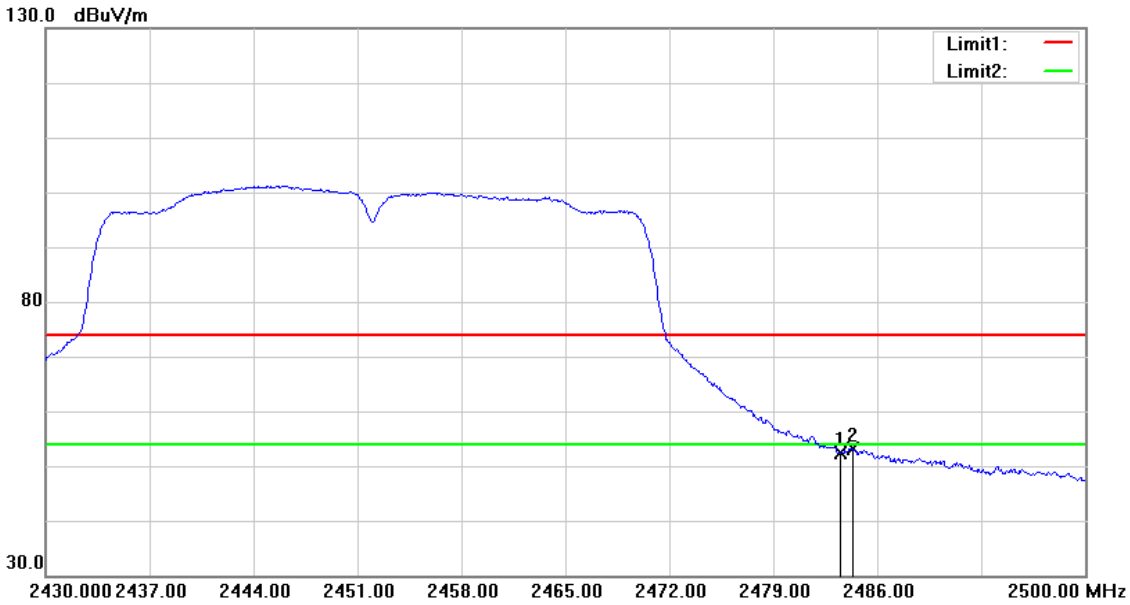
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.100	53.50	-1.11	52.39	54.00	-1.61	AVG
2	2390.000	53.82	-1.12	52.70	54.00	-1.30	AVG

Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge		
Frequency:	2452 MHz		
Mode:	802.11n HT40		
Ant.Polar.:	Horizontal		



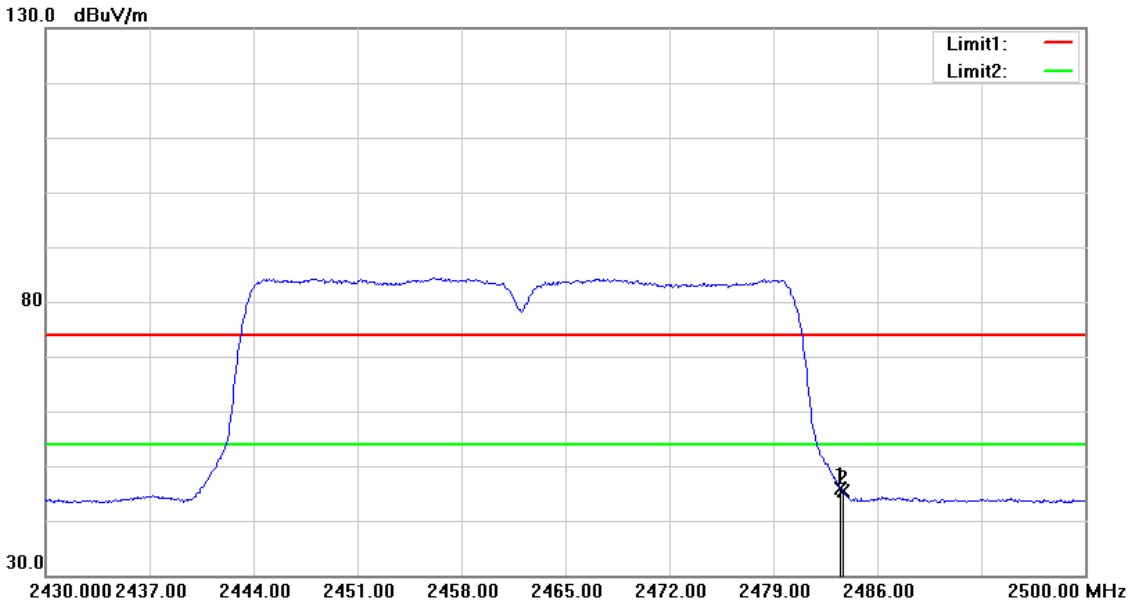
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	45.71	-1.15	44.56	54.00	-9.44	AVG
2	2491.040	45.94	-1.14	44.80	54.00	-9.20	AVG

Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge		
Frequency:	2452 MHz		
Mode:	802.11n HT40		
Ant.Polar.:	Vertical		



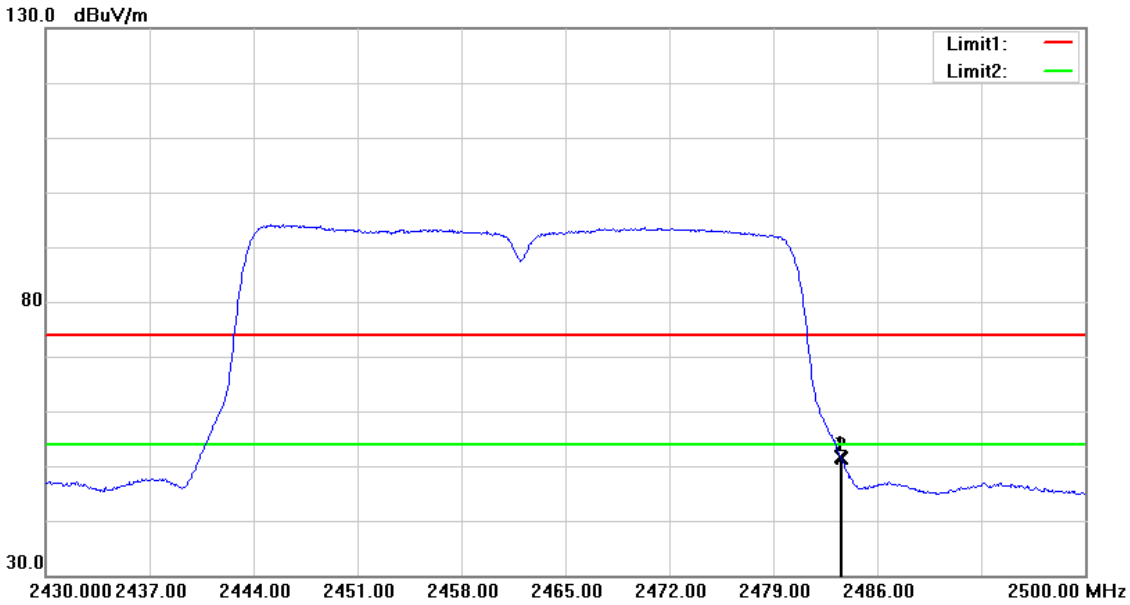
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	53.65	-1.15	52.50	54.00	-1.50	AVG
2	2484.320	54.33	-1.14	53.19	54.00	-0.81	AVG

Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge		
Frequency:	2462 MHz		
Mode:	802.11n HT40		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	46.97	-1.15	45.82	54.00	-8.18	AVG
2	2483.690	46.52	-1.15	45.37	54.00	-8.63	AVG

Standard:	FCC Part 15.247	Test Distance:	3 m
Test item:	Band edge		
Frequency:	2462 MHz		
Mode:	802.11n HT40		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	52.84	-1.15	51.69	54.00	-2.31	AVG
2	2483.620	52.46	-1.15	51.31	54.00	-2.69	AVG

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