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 E 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 E 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

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

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1 General Information

1.1. Summary of Test Result

Standard	Item	Result	Remark
15.407(b)(9) 15.207	AC Power Conducted Emission	N/A	Note 1
15.407(b) 15.205 / 15.209	Transmitter Radiated Emissions	PASS	Note 2
15.407(a)	Maximum Conducted Output Power	N/A	Note 1
15.407(a)	26 dB RF Bandwidth	N/A	Note 1
15.407(e)	6 dB RF Bandwidth	N/A	Note 1
15.407(a)	Maximum Power Spectral Density	N/A	Note 1
15.407(c)	Automatically discontinue transmission	N/A	Note 1
15.407(a) 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.TR01 & 200611-01.TR02 & 200611-01.TR03 & 200611-01.TR06 & 210209-01.TR09 & 200611-01.TR38 & 200611-01.TR39).

Note 2：Only verify the worst channel of Band Edge. The Harmonic test results could be referred to RF module AX211NGW report (200611-01.TR01 & 200611-01.TR02 & 200611-01.TR03).

Decision Rule

■ Uncertainty is not included.

□ Uncertainty is included.

Standard	Description
CFR47, Part 15, Subpart C	Intentional Radiators
CFR47, Part 15, Subpart E	Unlicensed National Information Infrastructure Devices
ANSI C63. 10: 2013	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices
KDB789033: D02	Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices Part 15, Subpart E
KDB 662911 D01 v02r01	Emissions Testing of Transmitters with Multiple Outputs in the Same Band (e.g., MIMO, Smart Antenna, etc)

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 No.	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 Frequency	Frequency Band		Frequency Range (MHz)	Number of Channels
	802.11a	U-NII Band 1	5180 – 5240	4
		U-NII Band 2-A	5260 – 5320	4
		U-NII Band 2-C	5500 – 5720	12
		U-NII Band 3	5745 – 5825	5
	802.11n HT20	U-NII Band 1	5180 – 5240	4
		U-NII Band 2-A	5260 – 5320	4
		U-NII Band 2-C	5500 – 5720	12
		U-NII Band 3	5745 – 5825	5
	802.11n HT40	U-NII Band 1	5190 – 5230	2
		U-NII Band 2-A	5270 – 5310	2
		U-NII Band 2-C	5510 – 5710	6
		U-NII Band 3	5755 – 5795	2
	802.11ac VHT80	U-NII Band 1	5210	1
		U-NII Band 2-A	5290	1
		U-NII Band 2-C	5530 – 5690	3
		U-NII Band 3	5775	1
	802.11ac VHT160	U-NII Band 1 & U-NII Band 2-A	5250	1
		U-NII Band 2-C	5570	1

Operate Frequency	Frequency Band		Frequency Range (MHz)	Number of Channels
	802.11ax HE20	U-NII Band 1	5180 – 5240	4
		U-NII Band 2-A	5260 – 5320	4
		U-NII Band 2-C	5500 – 5720	12
		U-NII Band 3	5745 – 5825	5
	802.11ax HE40	U-NII Band 1	5190 – 5230	2
		U-NII Band 2-A	5270 – 5310	2
		U-NII Band 2-C	5510 – 5710	6
		U-NII Band 3	5755 – 5795	2
	802.11ax HE80	U-NII Band 1	5210	1
		U-NII Band 2-A	5290	1
		U-NII Band 2-C	5530 – 5690	3
		U-NII Band 3	5775	1
	802.11ax HE160	U-NII Band 1 & U-NII Band 2-A	5250	1
		U-NII Band 2-C	5570	1
Modulation Type	OFDM/OFDMA			
Antenna Delivery	Reference section 3.1			
Operate Temp. Range	0 ~ +80 ℃			
EUT Power Rating	3.3 Vdc			

Equipment Type		
Outdoor access point	point-to-point	---
	point-to-multipoint	---
Indoor access point		---
Fixed point-to-point access points		---
Client devices		V

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	5150 - 5250	2.41
					5250 - 5350	2.54
					5470 - 5725	3.04
					5725 - 5850	3.57
					5850 - 5925	2.78
					5925 - 6425	3.56
					6425 - 6525	2.89
					6525 - 6875	3.61
					6875 - 7125	3.28
	Chain B	INPAQ	14008-05850400 (WA-P-LE-02-265)	PIFA Antenna	5150 - 5250	2.09
					5250 - 5350	2.25
					5470 - 5725	3.58
					5725 - 5850	3.79
					5850 - 5925	2.79
					5925 - 6425	1.76
					6425 - 6525	1.21
					6525 - 6875	3.13
					6875 - 7125	3.34
2	Chain A	AWAN	14008-05850600 (AYP6Y-100500)	PIFA Antenna	5150 - 5250	2.23
					5250 - 5350	2.46
					5470 - 5725	2.93
					5725 - 5850	3.52
					5850 - 5925	2.73
					5925 - 6425	3.48
					6425 - 6525	2.70
					6525 - 6875	3.46
					6875 - 7125	3.24
	Chain B	AWAN	14008-05850700 (AYP6Y-100499)	PIFA Antenna	5150 - 5250	2.01
					5250 - 5350	2.22
					5470 - 5725	3.51
					5725 - 5850	3.73
					5850 - 5925	2.72
					5925 - 6425	1.72
					6425 - 6525	1.13
					6525 - 6875	3.10
					6875 - 7125	3.30

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
802.11a	
802.11n HT20	
802.11n HT40	
802.11ac VHT80	V
802.11ac VHT160	V
802.11ax HE20	
802.11ax HE40	
802.11ax HE80	
802.11ax HE160	

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.

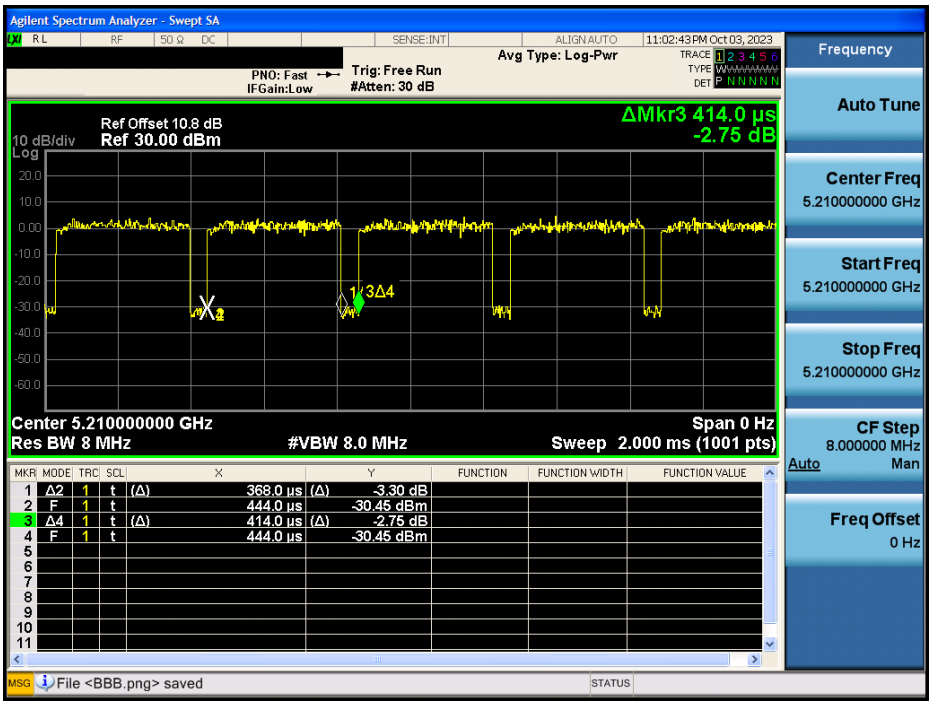
Antenna Port		
SISO A / MIMO A = Chain A	SISO B / MIMO B = Chain B	MIMO A+B = Chain A + B

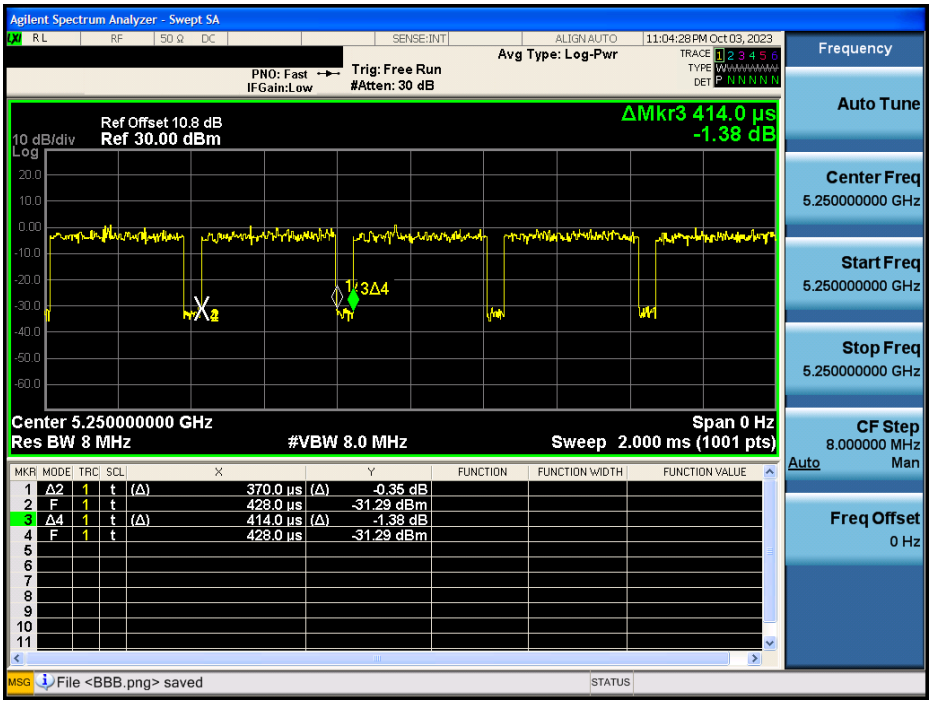
MIMO			
Test Mode	MIMO A	MIMO B	MIMO A + B
802.11ac VHT80	---	---	V
802.11ac VHT160	---	---	V

Test Mode	Antenna Delivery	MCS Index	Band	Test Channel
802.11ac VHT80	2TX(MIMO)	MCS 0	U-NII Band 1	42
			U-NII Band 2-A	58
			U-NII Band 2-C	122
			U-NII Band 3	155
802.11ac VHT160	2TX(MIMO)	MCS 0	U-NII Band 1 & U-NII Band 2-A	50
			U-NII Band 2-C	114

Duty cycle

MB2-MIMO						
Test Mode	Frequency (MHz)	on time (ms)	on+off time (ms)	Duty cycle	Duty Factor (dB)	1/T Minimum VBW (kHz)
802.11ac VHT80	5210	0.368	0.414	0.889	0.512	2.717
802.11ac VHT160	5250	0.370	0.414	0.894	0.488	2.703

MB2-MIMO	
802.11ac VHT80	
On+off time	

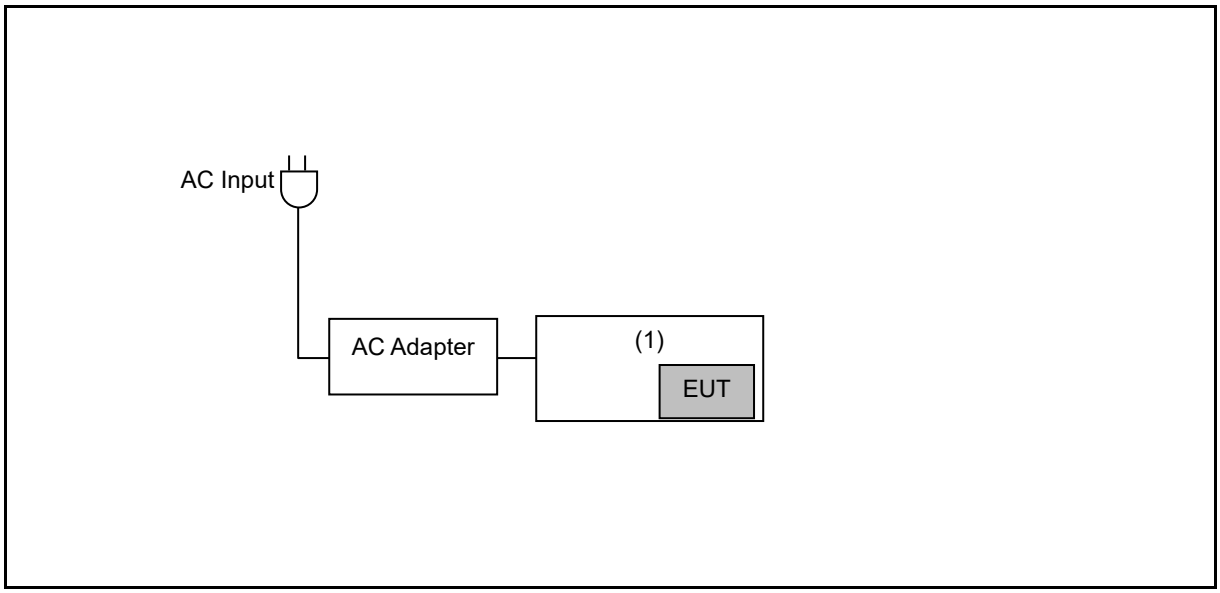
802.11ac VHT160	
On+off time	

3.2. EUT Test Step

The EUT is operated in the engineering mode to fix the TX frequency for the purposes of measurement. According to its specifications, the EUT must comply with the requirements of Section 15.407 under the FCC Rules Part 15 Subpart E.

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

For Radiated Emissions
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. Transmitter Radiated Emissions Measurement

■ **Limit**

(1)Undesirable emission limits. Except as shown in paragraph (b)(9) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

(a)For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

(b)For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

(c)For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

(d)For transmitters operating in the 5.725-5.85 GHz band:

(i)All emissions shall be limited to a level of −27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

EIRP (dBm)	Field Strength at 3 m(dBuV/m)
-27	68.3

(2)Limits of Radiated Emission Measurement

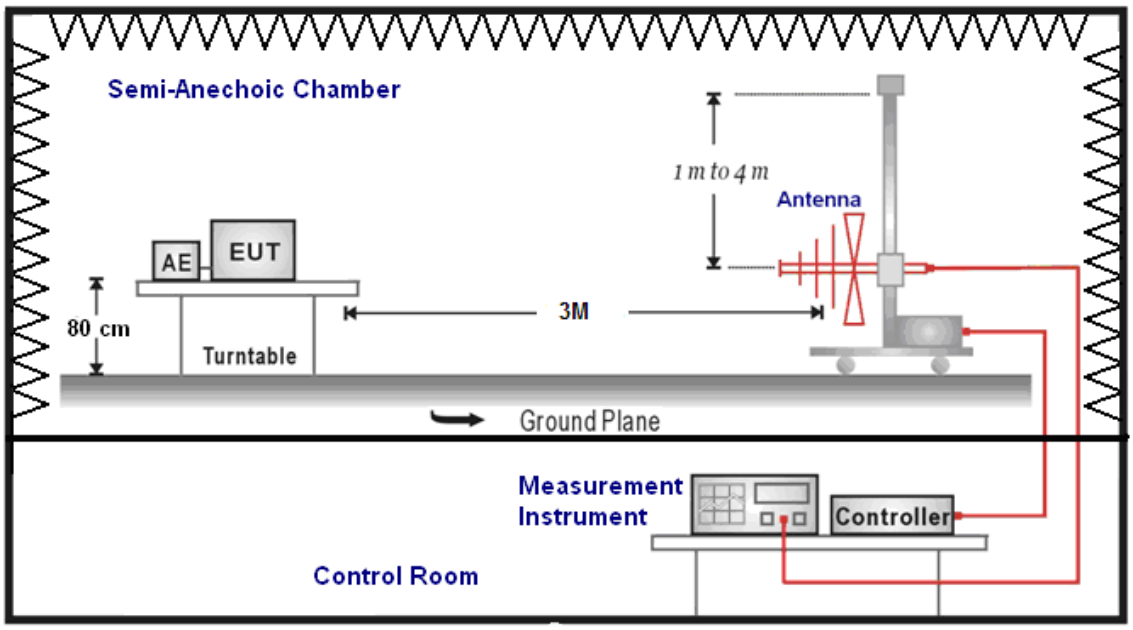
Emissions radiated outside of the specified bands, shall be according to the general radiated limits in 15.209 as following:

Frequency Range (MHz)	Field Strength (microvolts/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	10	3
88 ~ 216	150	3
216 ~ 960	200	3
Above 960	500	3

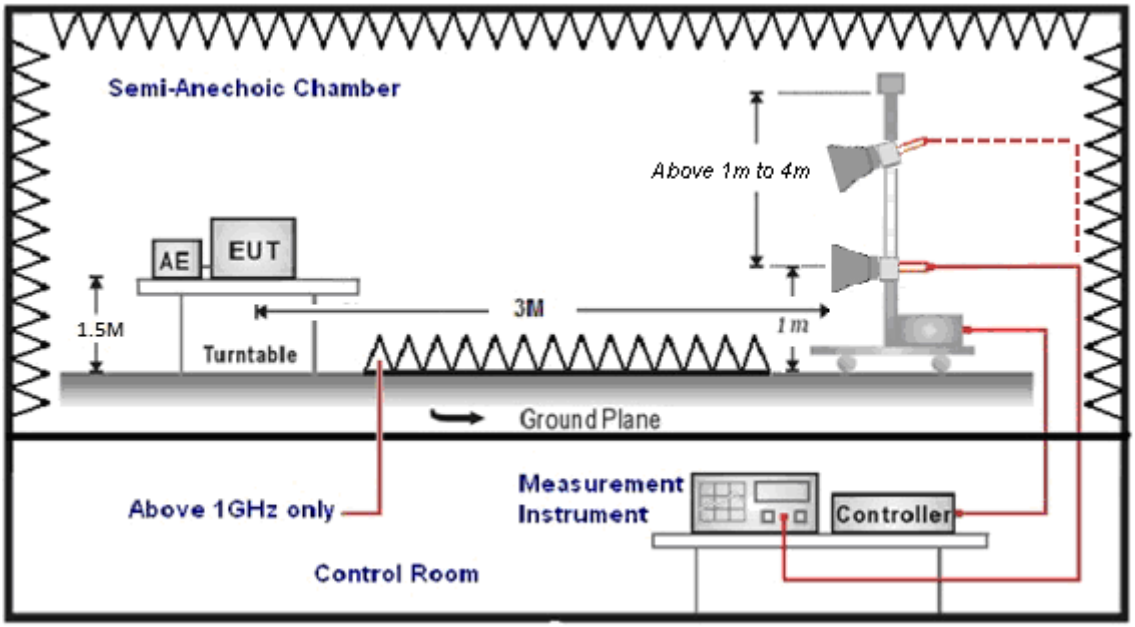
Note: 1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. As shown in 15.35(b), for frequencies above 1000 MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20 dB under any condition of modulation.

■ **Setup**

30 MHz ~ 1 GHz



Above 1 GHz



■ **Test Procedure**

Please refer to ANSI C63.10-2013 clause 6.4 / 6.5 / 6.6 for the test method.
Please refer to ANSI C63.10-2013 clause 12.7.2 / 12.7.5 / 12.7.6 / 12.7.7.3 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.

Measuring Instruments and setting

The following table is the setting of spectrum analyzer and receiver.

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	40 GHz
RBW/VBW(Emission in restricted band)	1 MHz / 3 MHz for Peak 1 MHz / (1/T) for Average
RBW/VBW(Emission in non-restricted band)	1 MHz / 3 MHz for Peak

4.2. Antenna Requirement

■ **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 15.407 (a), 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 Connector Construction**

See section 2 – antenna information.

5 Test Results

For Radiated Band Edge Use

MB2-MIMO					
Test Mode	Test Channel	Output Power (dBm)		Power Setting	
		MIMO A	MIMO B	MIMO A	MIMO B
802.11ac VHT80	42	13.43	13.38	13.125	12.875
	58	13.36	13.42	12.875	12.875
	122	13.34	13.31	13.000	13.125
	155	13.27	13.25	13.000	13.000
802.11ax HE160	50	12.65	12.58	12.000	12.000
	114	13.43	13.35	13.000	13.000

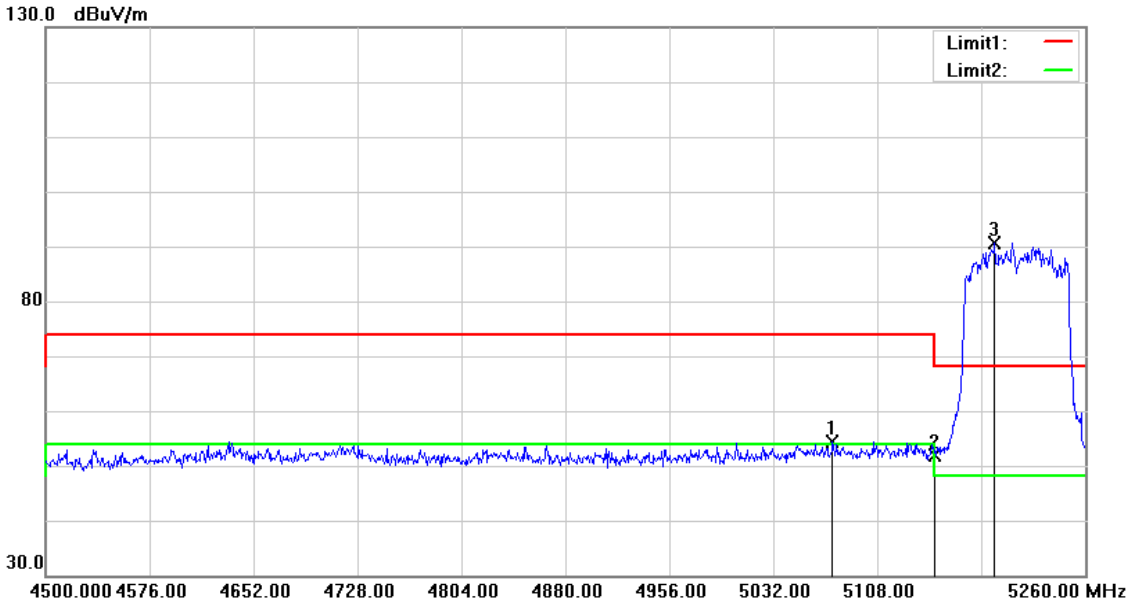
5.1. Radiated Emission Measurement

Band Edge

MB2

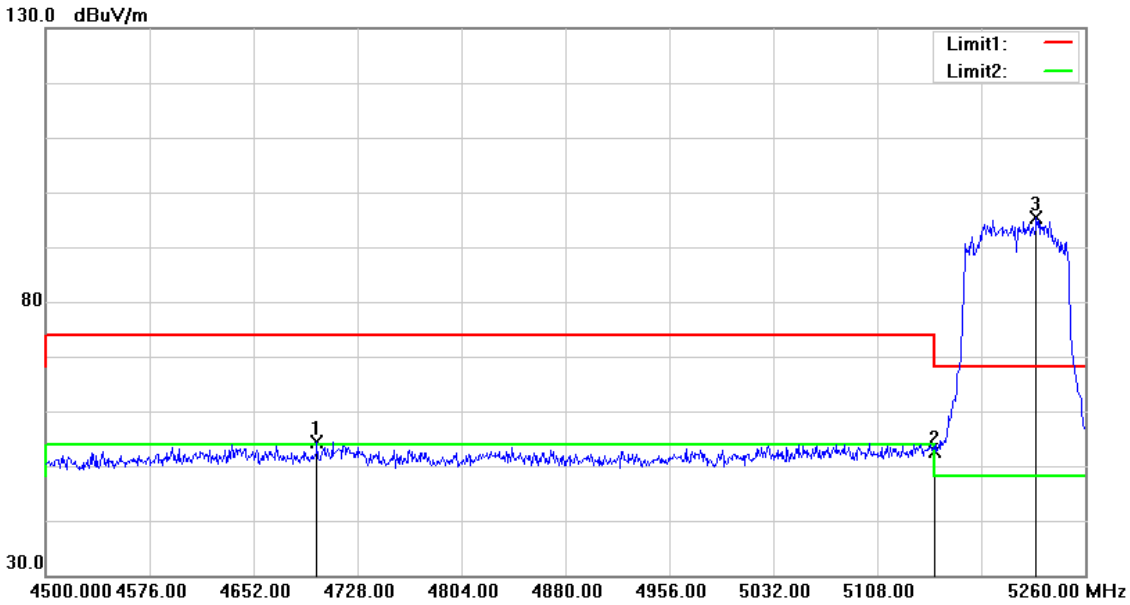
MIMO - Peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5210 MHz		
Mode:	802.11ac VHT80		
Ant.Polar.:	Horizontal		



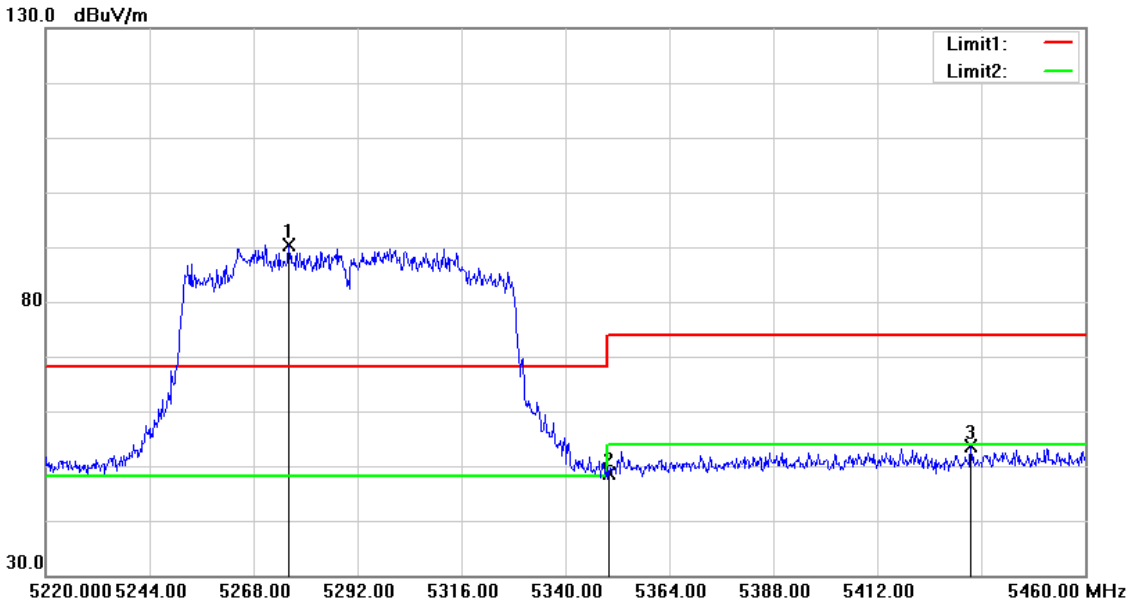
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5075.320	46.43	8.02	54.45	74.00	-19.55	peak
2	5150.000	43.61	8.26	51.87	74.00	-22.13	peak
3	5193.880	82.78	7.94	90.72	68.20	22.52	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5210 MHz		
Mode:	802.11ac VHT80		
Ant.Polar.:	Vertical		



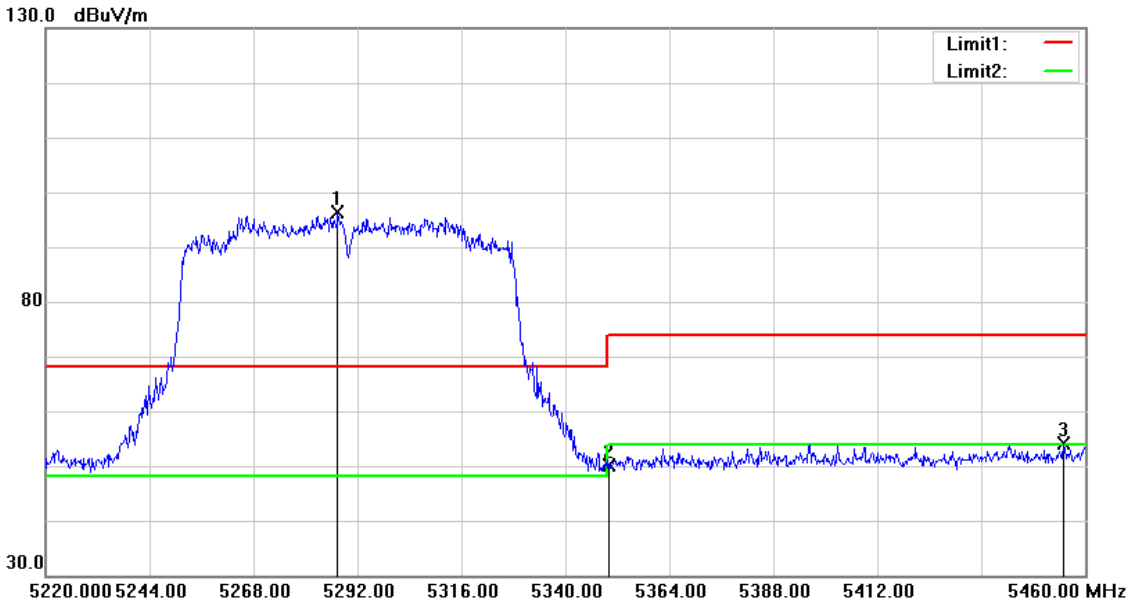
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4698.360	47.19	7.09	54.28	74.00	-19.72	peak
2	5150.000	44.39	8.26	52.65	74.00	-21.35	peak
3	5224.280	87.66	7.81	95.47	68.20	27.27	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5290 MHz		
Mode:	802.11ac VHT80		
Ant.Polar.:	Horizontal		



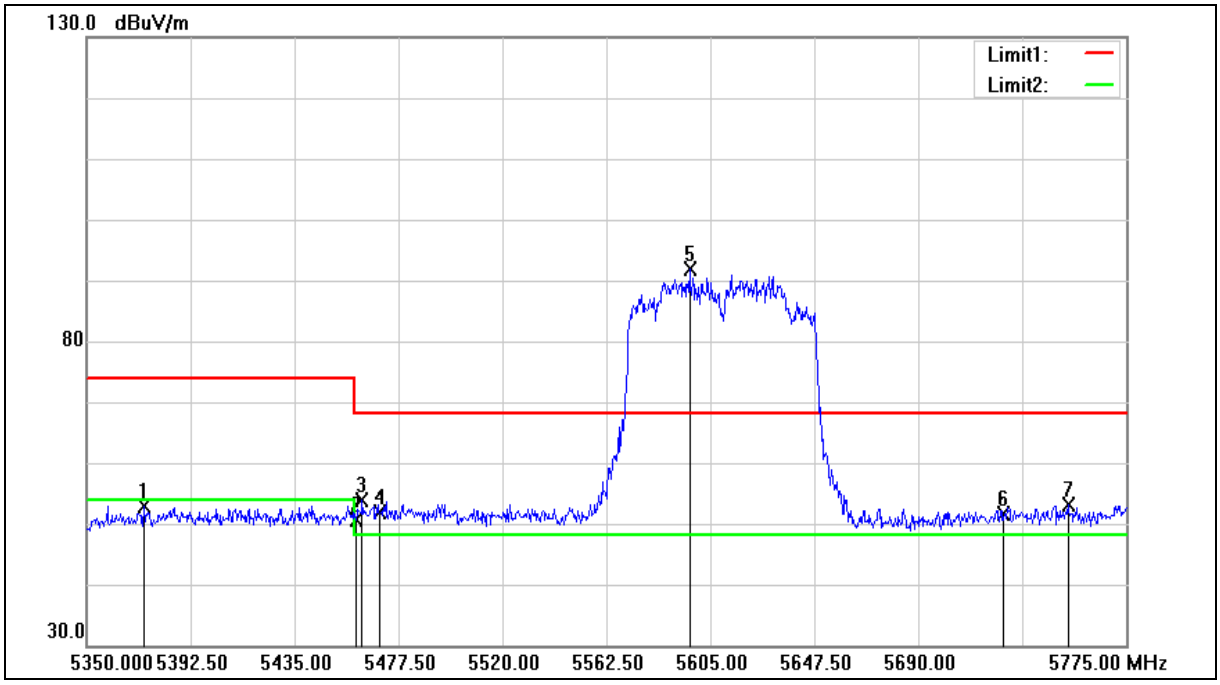
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5276.160	82.73	7.69	90.42	68.20	22.22	peak
2	5350.000	41.02	7.68	48.70	74.00	-25.30	peak
3	5433.600	45.54	8.02	53.56	74.00	-20.44	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5290 MHz		
Mode:	802.11ac VHT80		
Ant.Polar.:	Vertical		



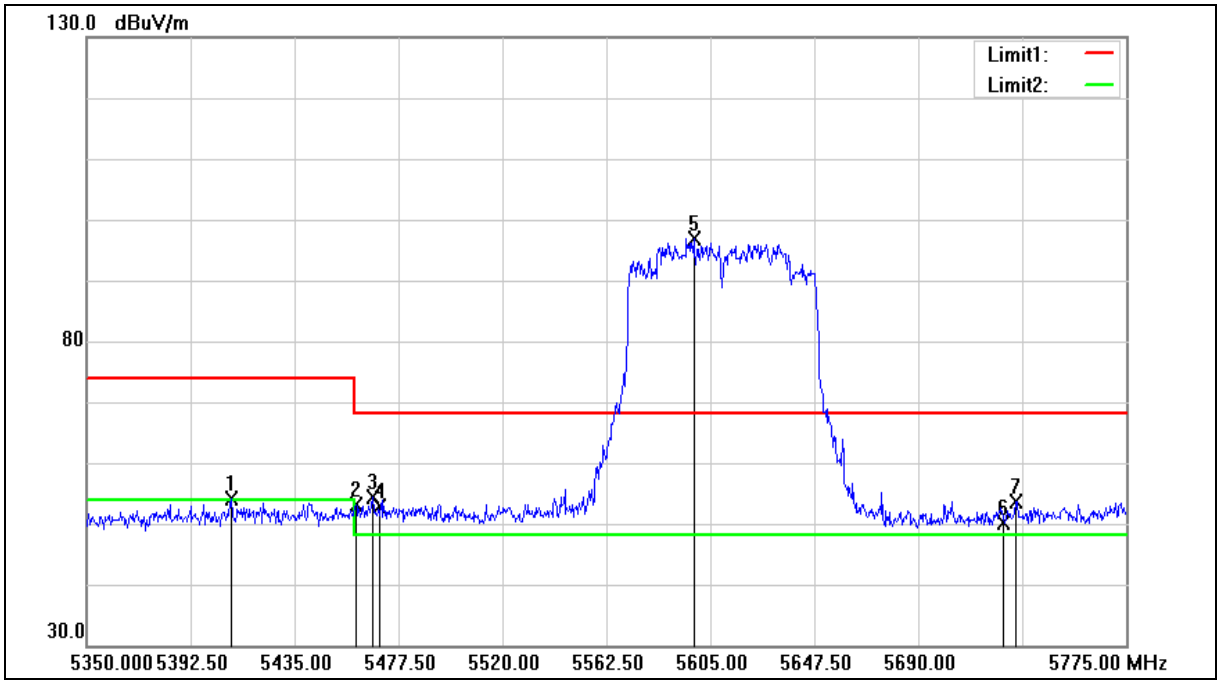
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5287.440	88.82	7.68	96.50	68.20	28.30	peak
2	5350.000	42.43	7.68	50.11	74.00	-23.89	peak
3	5454.960	46.07	8.15	54.22	74.00	-19.78	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5610 MHz		
Mode:	802.11ac VHT80		
Ant.Polar.:	Horizontal		



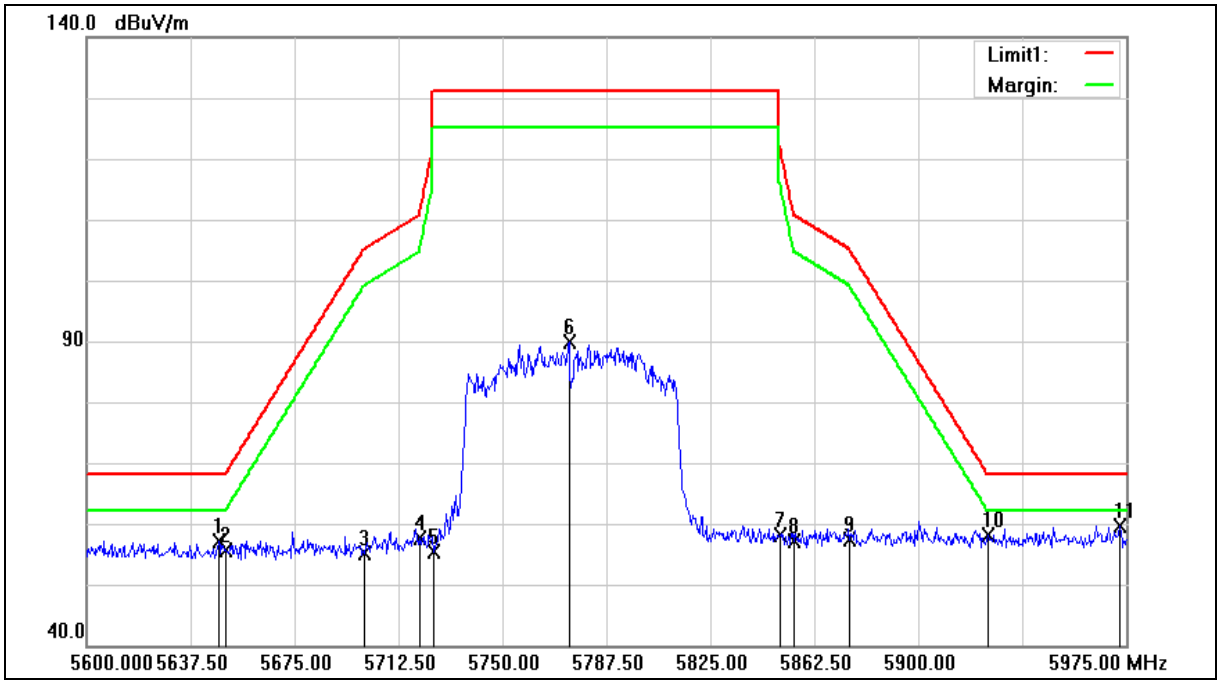
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5373.375	45.22	7.74	52.96	74.00	-21.04	peak
2	5460.000	42.56	8.16	50.72	74.00	-23.28	peak
3	5462.625	45.60	8.17	53.77	68.20	-14.43	peak
4	5470.000	43.60	8.19	51.79	68.20	-16.41	peak
5	5596.500	83.61	8.34	91.95	68.20	23.75	peak
6	5725.000	43.08	8.45	51.53	68.20	-16.67	peak
7	5751.200	44.34	8.69	53.03	68.20	-15.17	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5610 MHz		
Mode:	802.11ac VHT80		
Ant.Polar.:	Vertical		



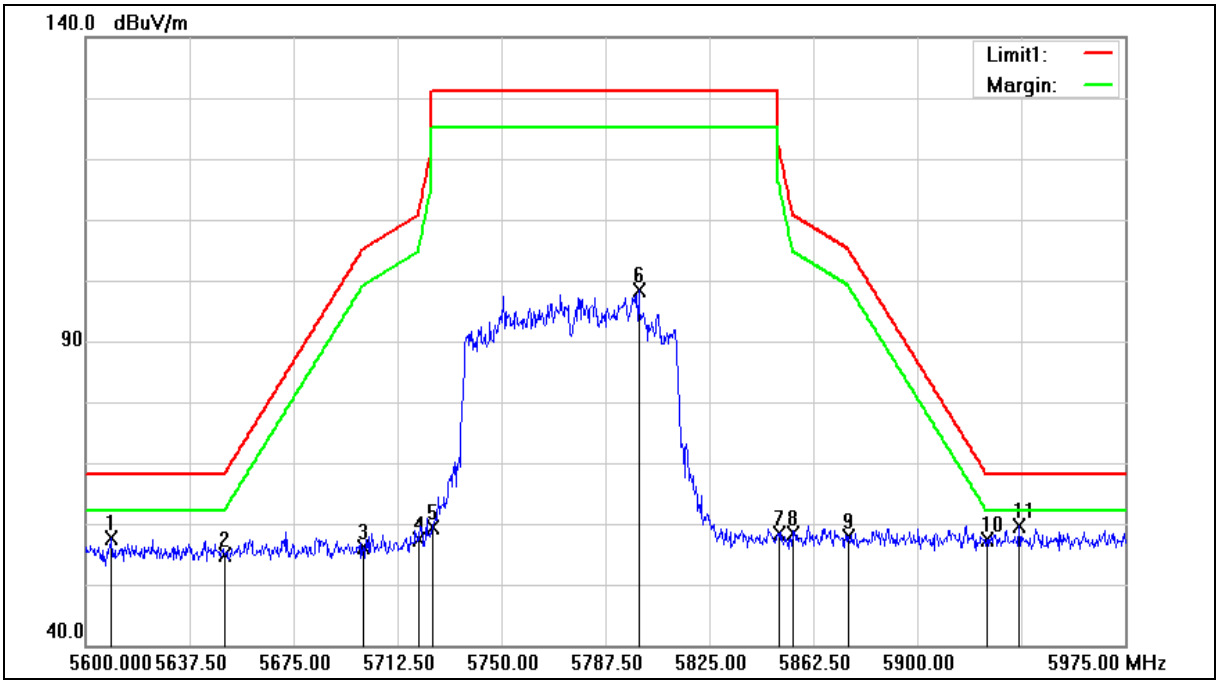
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5409.075	46.18	7.87	54.05	74.00	-19.95	peak
2	5460.000	44.85	8.16	53.01	74.00	-20.99	peak
3	5466.875	46.13	8.18	54.31	68.20	-13.89	peak
4	5470.000	44.65	8.19	52.84	68.20	-15.36	peak
5	5598.200	88.53	8.34	96.87	68.20	28.67	peak
6	5725.000	41.70	8.45	50.15	68.20	-18.05	peak
7	5729.950	45.21	8.50	53.71	68.20	-14.49	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5775 MHz		
Mode:	802.11ac VHT80		
Ant.Polar.:	Horizontal		



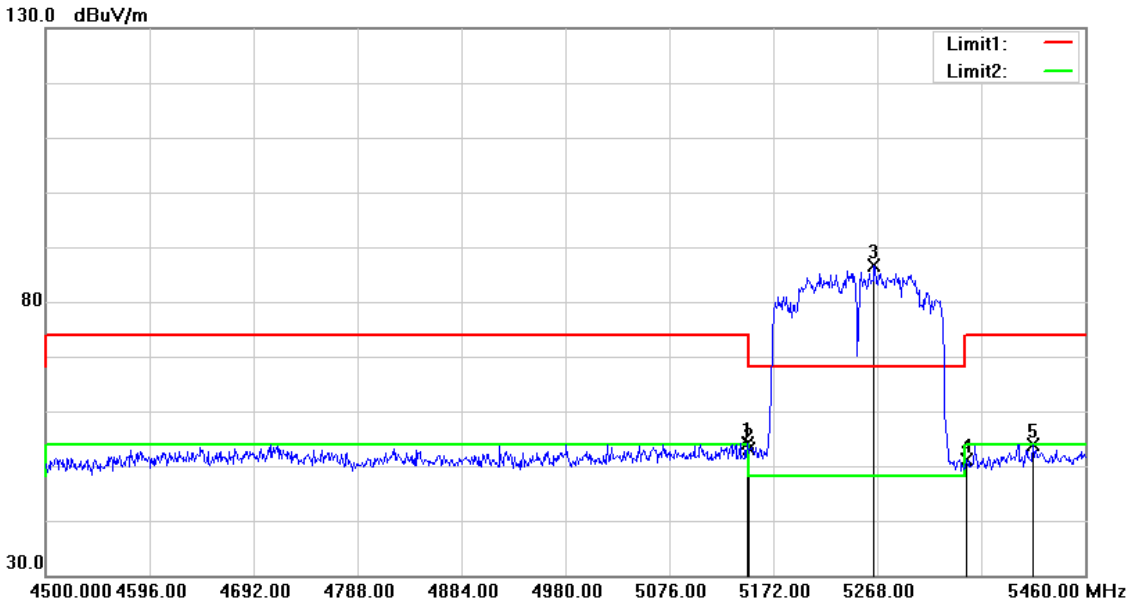
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5647.625	48.90	8.29	57.19	68.20	-11.01	peak
2	5650.000	47.29	8.29	55.58	68.20	-12.62	peak
3	5700.000	46.98	8.23	55.21	105.20	-49.99	peak
4	5720.000	49.15	8.41	57.56	110.80	-53.24	peak
5	5725.000	47.04	8.45	55.49	122.20	-66.71	peak
6	5774.000	80.94	8.88	89.82	131.20	-41.38	peak
7	5850.000	49.07	9.16	58.23	122.20	-63.97	peak
8	5855.000	47.92	9.18	57.10	110.80	-53.70	peak
9	5875.000	48.14	9.27	57.41	105.20	-47.79	peak
10	5925.000	48.90	9.32	58.22	68.20	-9.98	peak
11	5972.750	50.36	9.25	59.61	68.20	-8.59	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5775 MHz		
Mode:	802.11ac VHT80		
Ant.Polar.:	Vertical		



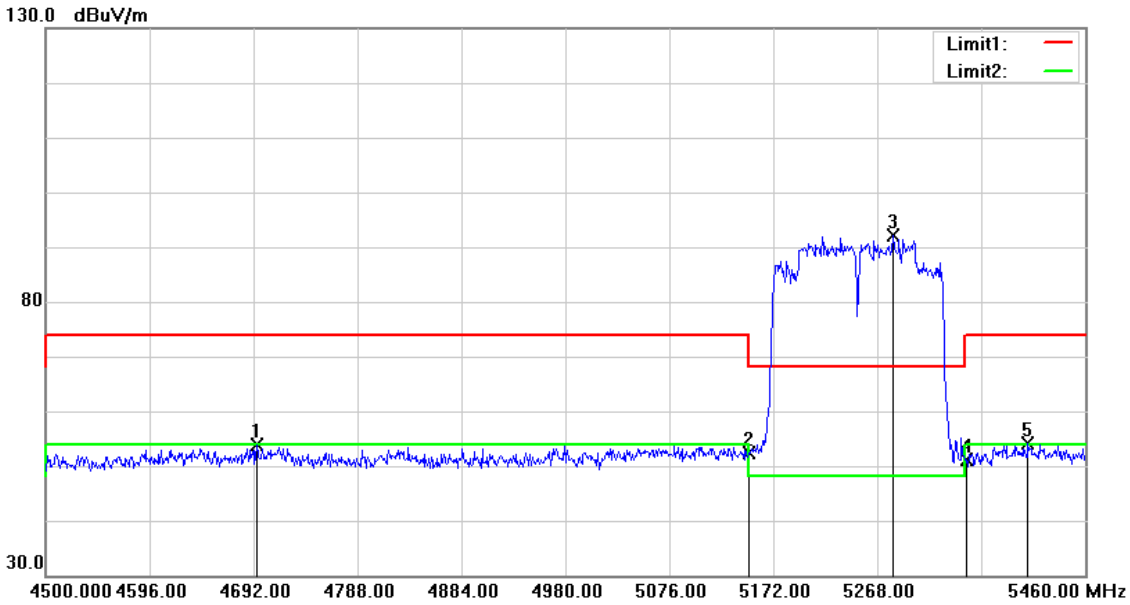
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5609.375	49.22	8.33	57.55	68.20	-10.65	peak
2	5650.000	46.58	8.29	54.87	68.20	-13.33	peak
3	5700.000	47.85	8.23	56.08	105.20	-49.12	peak
4	5720.000	49.06	8.41	57.47	110.80	-53.33	peak
5	5725.000	50.82	8.45	59.27	122.20	-62.93	peak
6	5799.500	89.35	9.11	98.46	131.20	-32.74	peak
7	5850.000	49.16	9.16	58.32	122.20	-63.88	peak
8	5855.000	49.23	9.18	58.41	110.80	-52.39	peak
9	5875.000	48.53	9.27	57.80	105.20	-47.40	peak
10	5925.000	48.12	9.32	57.44	68.20	-10.76	peak
11	5936.750	50.47	9.28	59.75	68.20	-8.45	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5250 MHz		
Mode:	802.11ac VHT160		
Ant.Polar.:	Horizontal		



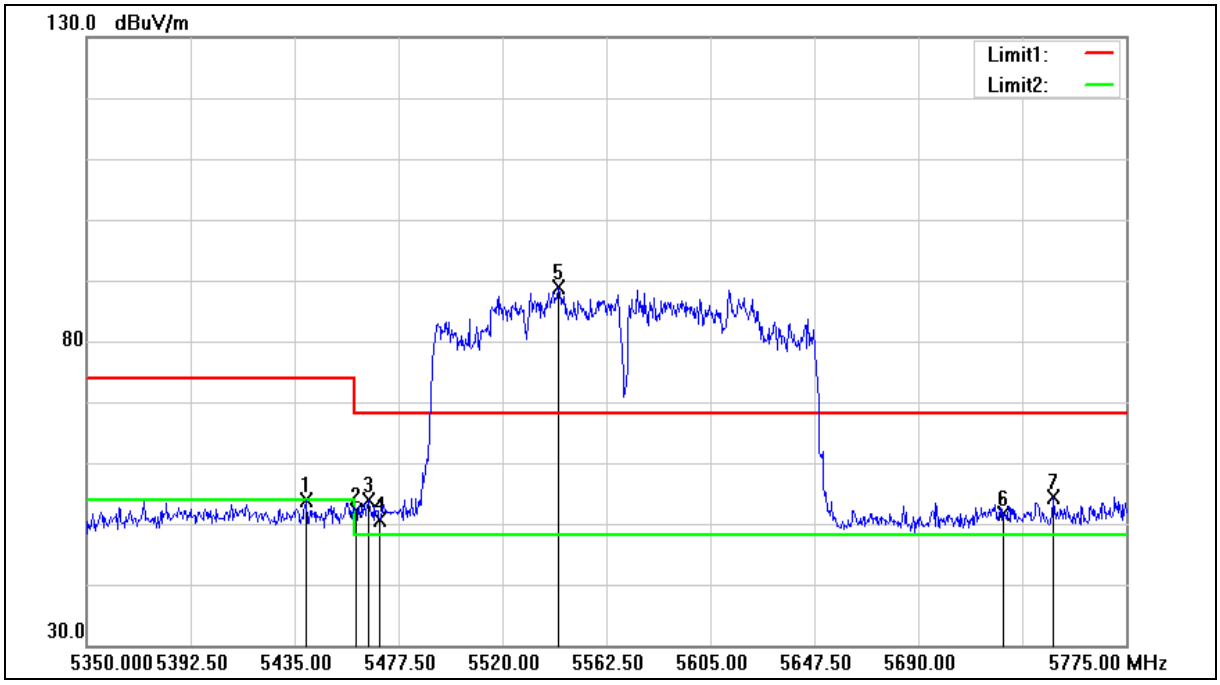
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5148.000	45.79	8.26	54.05	74.00	-19.95	peak
2	5150.000	44.91	8.26	53.17	74.00	-20.83	peak
3	5265.120	78.96	7.70	86.66	68.20	18.46	peak
4	5350.000	43.42	7.68	51.10	74.00	-22.90	peak
5	5412.000	46.03	7.88	53.91	74.00	-20.09	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5250 MHz		
Mode:	802.11ac VHT160		
Ant.Polar.:	Vertical		



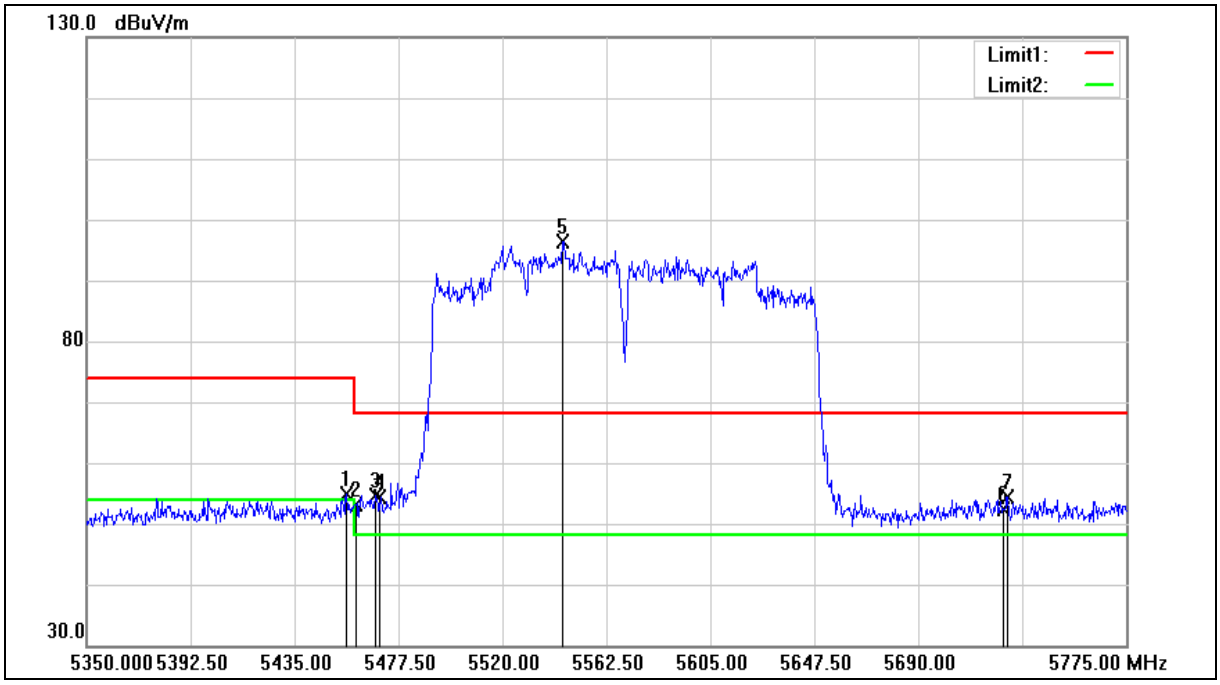
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4694.880	46.84	7.06	53.90	74.00	-20.10	peak
2	5150.000	44.01	8.26	52.27	74.00	-21.73	peak
3	5282.400	84.46	7.68	92.14	68.20	23.94	peak
4	5350.000	43.55	7.68	51.23	74.00	-22.77	peak
5	5407.200	46.39	7.86	54.25	74.00	-19.75	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5570 MHz		
Mode:	802.11ac VHT160		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5439.675	45.75	8.07	53.82	74.00	-20.18	peak
2	5460.000	43.93	8.16	52.09	74.00	-21.91	peak
3	5465.175	45.69	8.18	53.87	68.20	-14.33	peak
4	5470.000	42.54	8.19	50.73	68.20	-17.47	peak
5	5542.950	80.46	8.30	88.76	68.20	20.56	peak
6	5725.000	43.29	8.45	51.74	68.20	-16.46	peak
7	5745.250	45.82	8.63	54.45	68.20	-13.75	peak

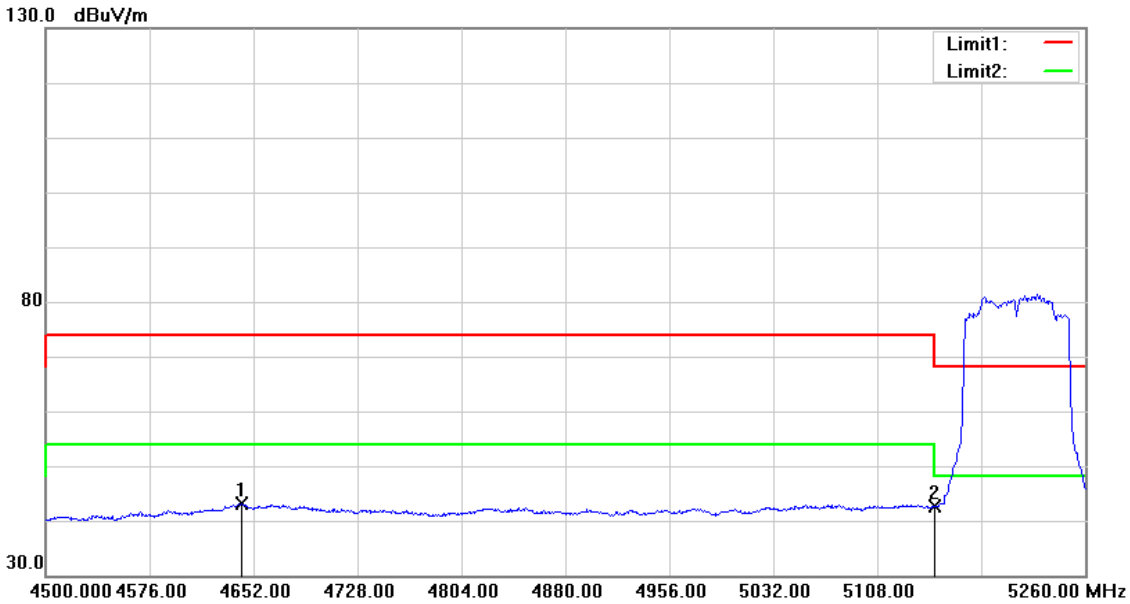
Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5570 MHz		
Mode:	802.11ac VHT160		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5456.250	46.72	8.15	54.87	74.00	-19.13	peak
2	5460.000	44.96	8.16	53.12	74.00	-20.88	peak
3	5468.150	46.34	8.19	54.53	68.20	-13.67	peak
4	5470.000	46.18	8.19	54.37	68.20	-13.83	peak
5	5544.650	88.09	8.30	96.39	68.20	28.19	peak
6	5725.000	43.96	8.45	52.41	68.20	-15.79	peak
7	5726.550	45.87	8.46	54.33	68.20	-13.87	peak

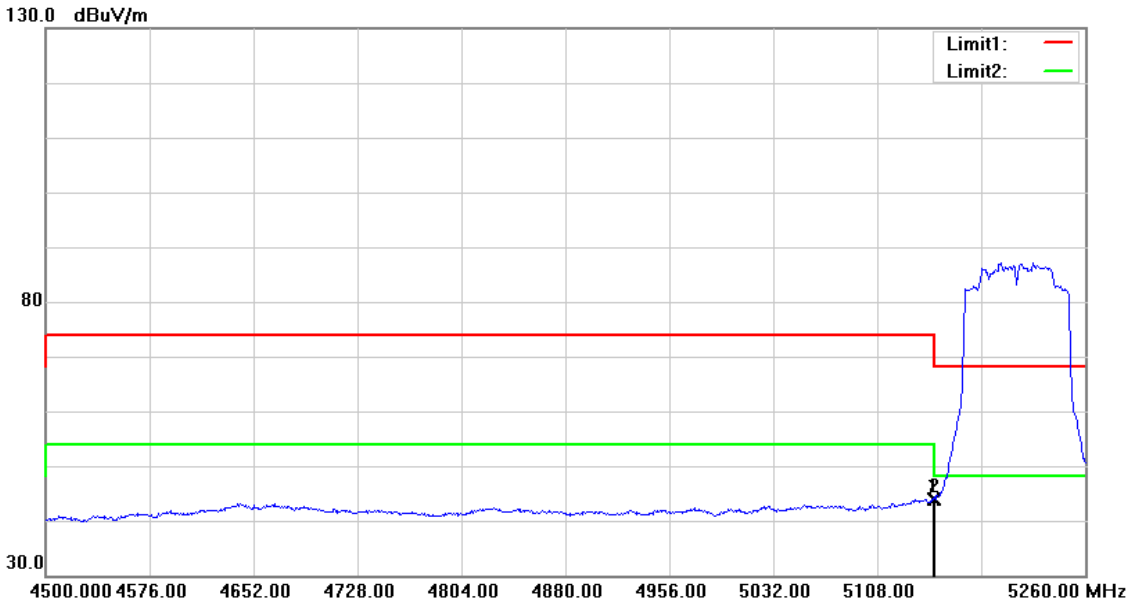
MIMO - Average

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5210 MHz		
Mode:	802.11ac VHT80		
Ant.Polar.:	Horizontal		



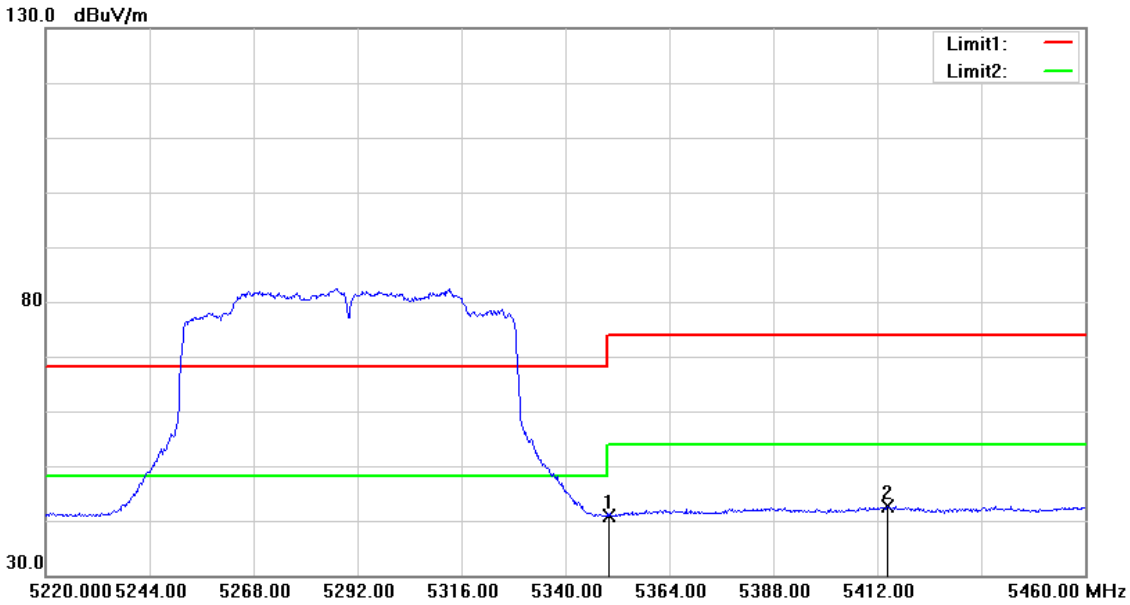
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4643.640	36.56	6.65	43.21	54.00	-10.79	AVG
2	5150.000	34.44	8.26	42.70	54.00	-11.30	AVG

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5210 MHz		
Mode:	802.11ac VHT80		
Ant.Polar.:	Vertical		



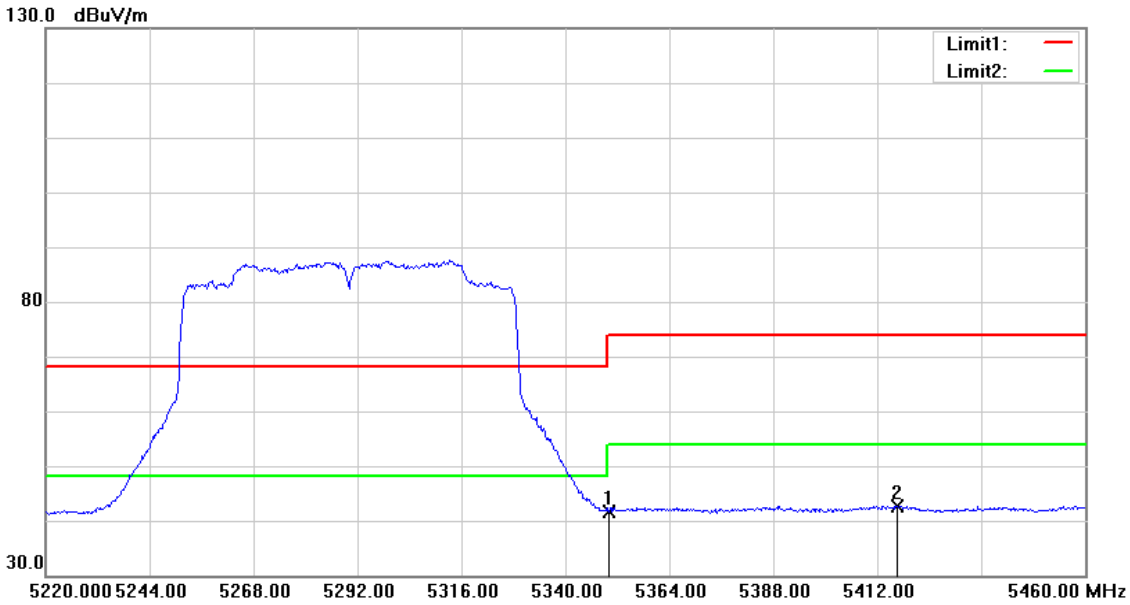
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5149.040	35.65	8.26	43.91	54.00	-10.09	AVG
2	5150.000	35.65	8.26	43.91	54.00	-10.09	AVG

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5290 MHz		
Mode:	802.11ac VHT80		
Ant.Polar.:	Horizontal		



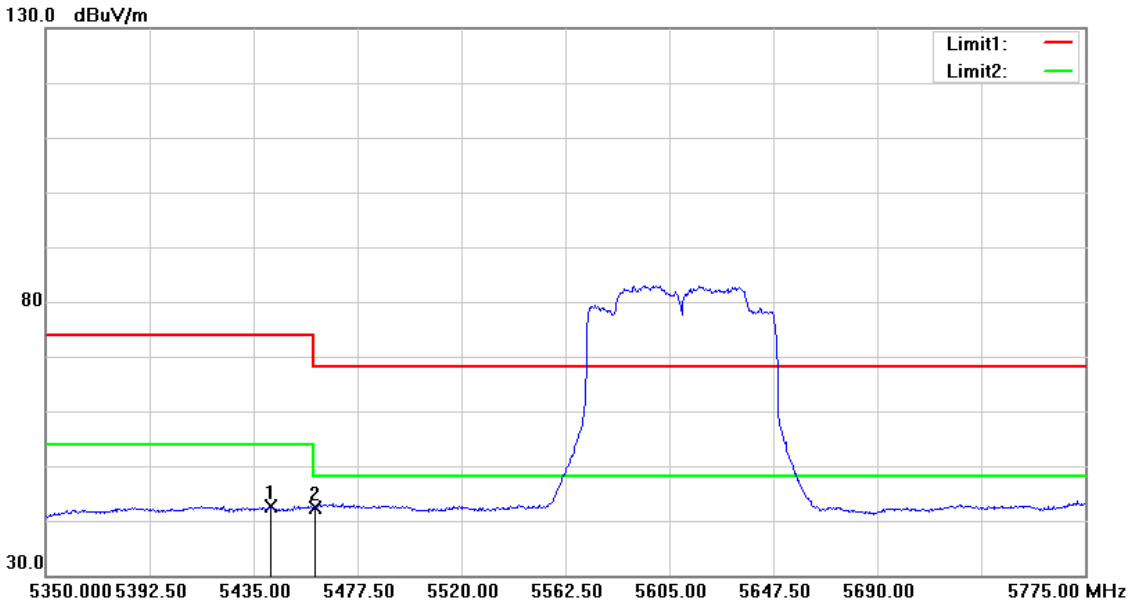
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5350.000	33.25	7.68	40.93	54.00	-13.07	AVG
2	5414.400	34.82	7.90	42.72	54.00	-11.28	AVG

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5290 MHz		
Mode:	802.11ac VHT80		
Ant.Polar.:	Vertical		



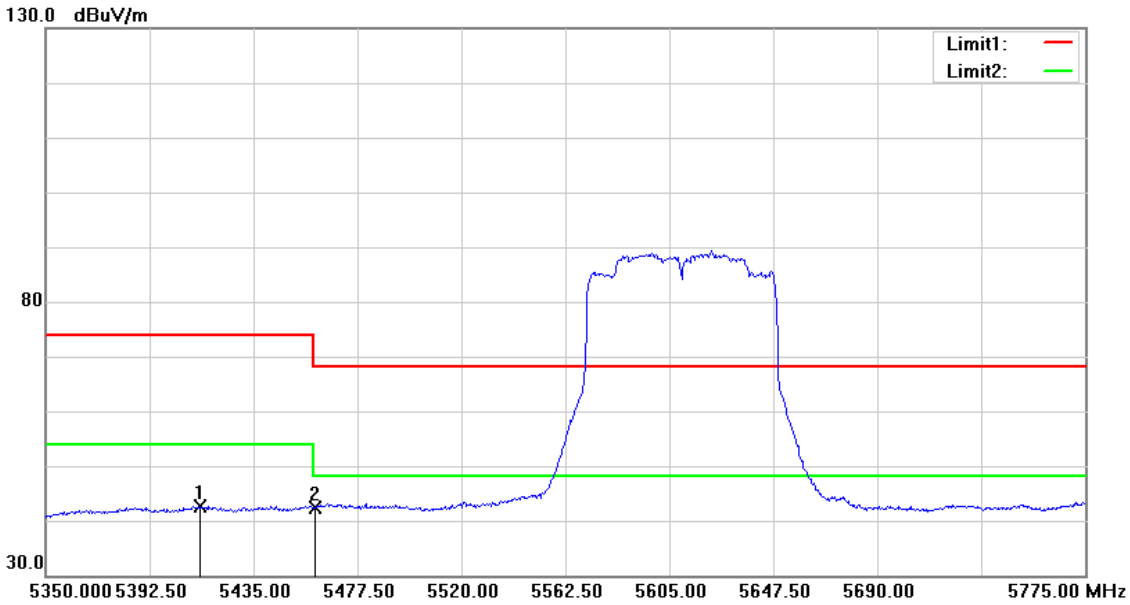
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5350.000	34.07	7.68	41.75	54.00	-12.25	AVG
2	5416.560	34.78	7.91	42.69	54.00	-11.31	AVG

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5610 MHz		
Mode:	802.11ac VHT80		
Ant.Polar.:	Horizontal		



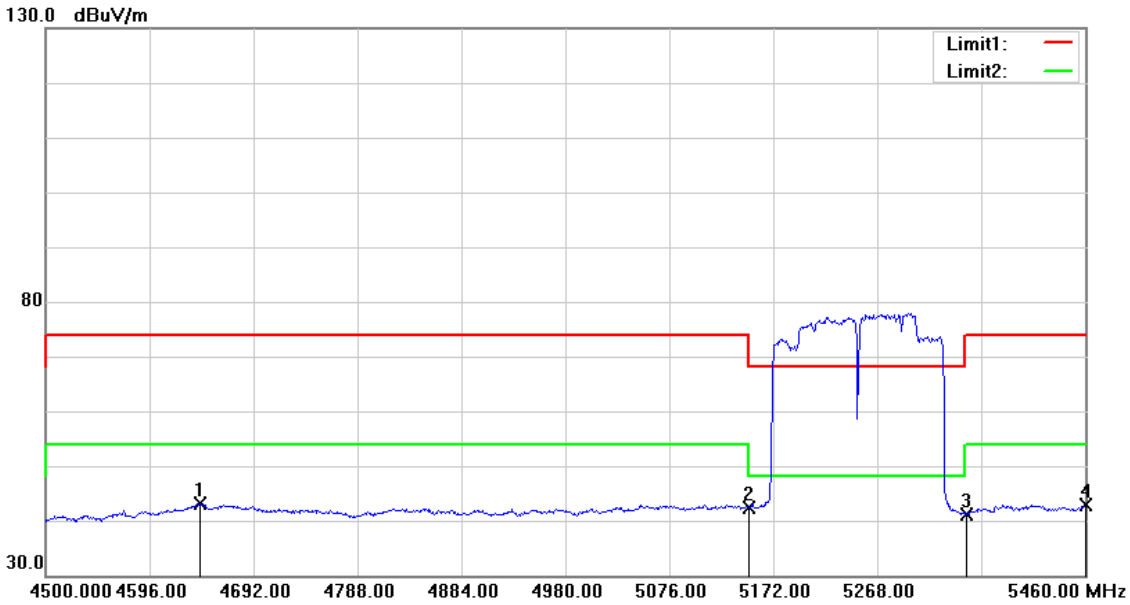
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5442.225	34.55	8.08	42.63	54.00	-11.37	AVG
2	5460.000	34.21	8.16	42.37	54.00	-11.63	AVG

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5610 MHz		
Mode:	802.11ac VHT80		
Ant.Polar.:	Vertical		



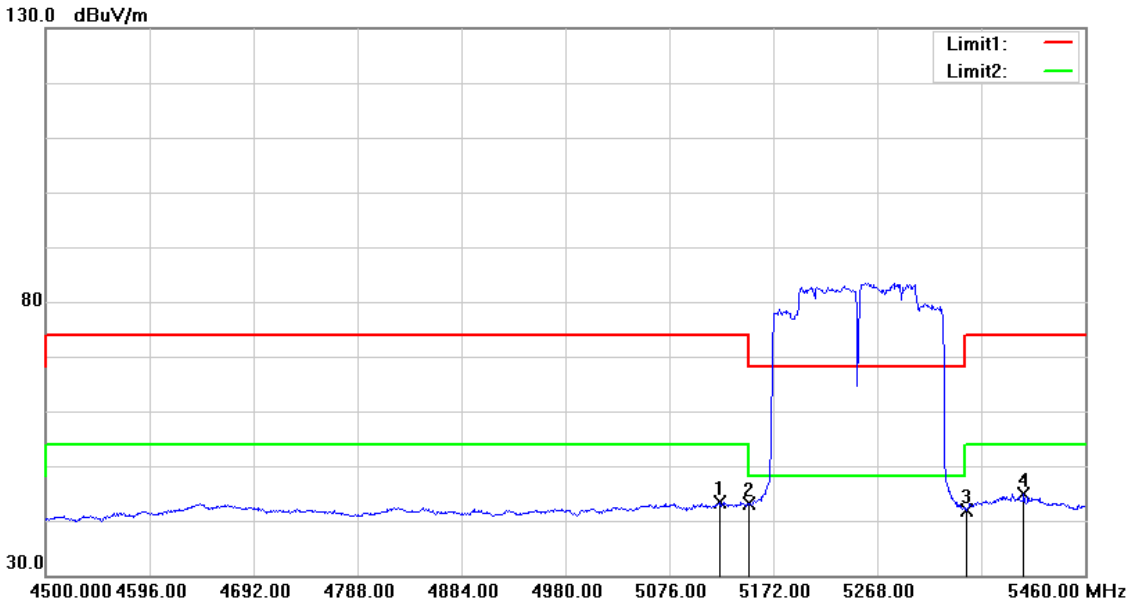
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5413.325	34.83	7.89	42.72	54.00	-11.28	AVG
2	5460.000	34.17	8.16	42.33	54.00	-11.67	AVG

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5250 MHz		
Mode:	802.11ac VHT160		
Ant.Polar.:	Horizontal		



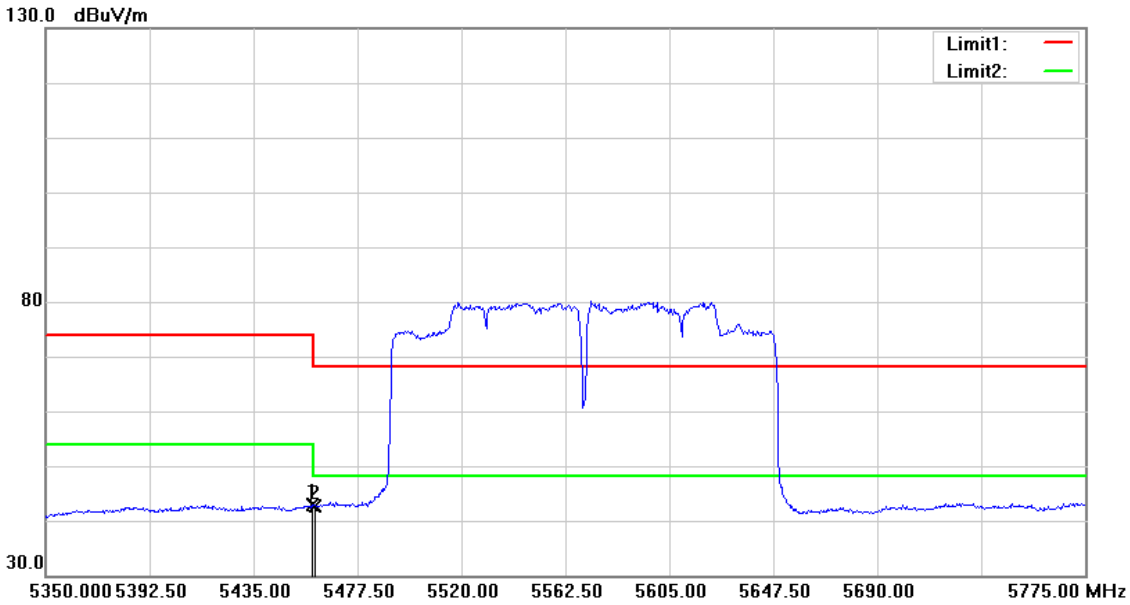
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4642.080	36.60	6.65	43.25	54.00	-10.75	AVG
2	5150.000	34.04	8.26	42.30	54.00	-11.70	AVG
3	5350.000	33.46	7.68	41.14	54.00	-12.86	AVG
4	5460.000	34.64	8.16	42.80	54.00	-11.20	AVG

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5250 MHz		
Mode:	802.11ac VHT160		
Ant.Polar.:	Vertical		



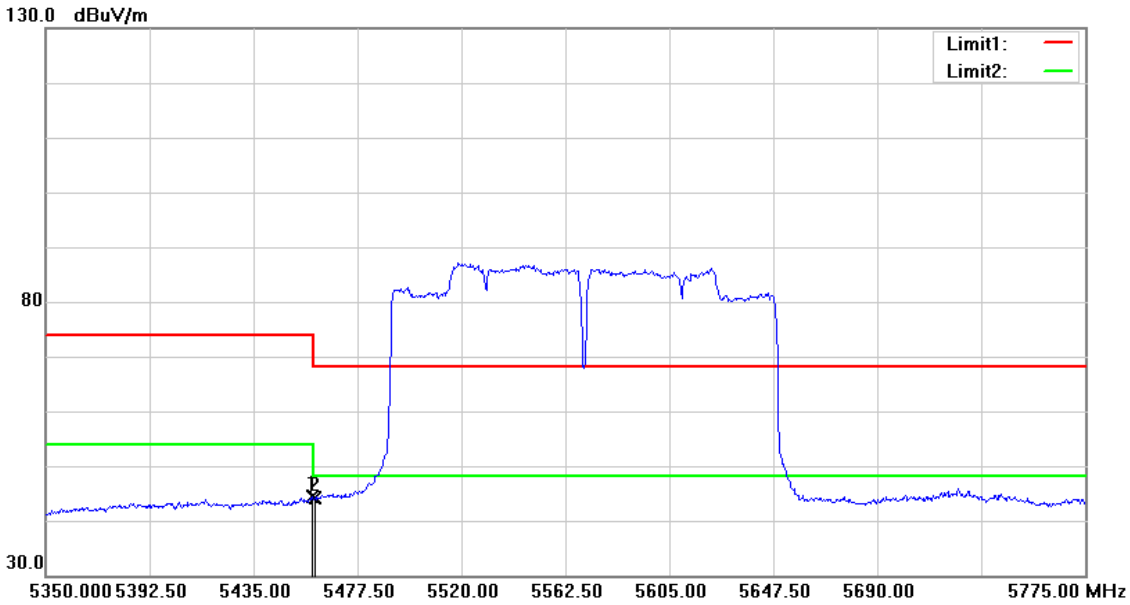
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5122.080	35.10	8.19	43.29	54.00	-10.71	AVG
2	5150.000	34.83	8.26	43.09	54.00	-10.91	AVG
3	5350.000	34.30	7.68	41.98	54.00	-12.02	AVG
4	5403.360	36.95	7.83	44.78	54.00	-9.22	AVG

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5570 MHz		
Mode:	802.11ac VHT160		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5458.800	34.82	8.16	42.98	54.00	-11.02	AVG
2	5460.000	34.59	8.16	42.75	54.00	-11.25	AVG

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5570 MHz		
Mode:	802.11ac VHT160		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5458.800	36.21	8.16	44.37	54.00	-9.63	AVG
2	5460.000	35.93	8.16	44.09	54.00	-9.91	AVG

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