RF Test Report

Applicant	:	D-Link Corporation
Product Name	:	AX1800 Wi-Fi 6 USB Adapter Wi-Fi 6 AX1800 USB 3.0 Dongle
Trade Name	:	D-Link
Model Number	:	AX18U
Applicable Standard	:	FCC 47 CFR PART 15 SUBPART E ANSI C63.10:2013
Received Date	:	May 25, 2022
Test Period	:	Jun. 23, 2022 ~ Jul. 09, 2023
Issued Date	:	Aug. 14, 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	Aug. 14, 2024	Initial Issue	Abby Huang

Verification of Compliance

Applicant	:	D-Link Corporation
Product Name	:	AX1800 Wi-Fi 6 USB Adapter Wi-Fi 6 AX1800 USB 3.0 Dongle
Trade Name	:	D-Link
Model Number	:	AX18U
FCC ID	:	KA2AX18UA1
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

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

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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	PASS	---
15.407(b) 15.205 / 15.209	Transmitter Radiated Emissions	PASS	---
15.407(a)	Maximum Conducted Output Power	PASS	---
15.407(a)	26 dB RF Bandwidth	Reference	---
15.407(e)	6 dB RF Bandwidth	PASS	---
15.407(a)	Maximum Power Spectral Density	PASS	---
15.407(c)	Automatically discontinue transmission	PASS	---
15.407(a) 15.203	Antenna Requirement	PASS	---

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
RF Bandwidth		4.5 %	4.5 %
Power Spectral Density		1.1 dB	1.1 dB
Duty Cycle		1.1 %	1.0 %
Time Occupancy		1.5 %	1.2 %

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 EUT Description

The product specifications of the EUT presented in the report are declared by the manufacturer who shall take full responsibility for the authenticity(except Max. RF Output Power).

Applicant	D-Link Corporation 14420 Myford Road Suite 100 Irvine California United States 92606			
Product Name	AX1800 Wi-Fi 6 USB Adapter Wi-Fi 6 AX1800 USB 3.0 Dongle			
Different description of product name	No physical difference. Just for marketing purpose.			
Trade Name	D-Link			
Model Number	AX18U			
FCC ID	KA2AX18UA1			
Operate Frequency	Frequency Band		Frequency Range (MHz)	
	802.11a	U-NII Band 1	5180 – 5240	
		U-NII Band 2-A	5260 – 5320	
		U-NII Band 2-C	5500 – 5700	
		U-NII Band 3	5745 – 5825	
	802.11n HT20 / 802.11ac VHT20/ 802.11ax HE20	U-NII Band 1	5180 – 5240	
		U-NII Band 2-A	5260 – 5320	
		U-NII Band 2-C	5500 – 5700	
		U-NII Band 3	5745 – 5825	
	802.11n HT40 / 802.11ac VHT40/ 802.11ax HE40	U-NII Band 1	5190 – 5230	
		U-NII Band 2-A	5270 – 5310	
		U-NII Band 2-C	5510 – 5670	
		U-NII Band 3	5755 – 5795	
	802.11ac VHT80/ 802.11ax HE80	U-NII Band 1	5210	
		U-NII Band 2-A	5290	
		U-NII Band 2-C	5530	
		U-NII Band 3	5775	
Modulation Type	OFDM/OFDMA			
Antenna information	Antenna	Model	Type	Max. Gain (dBi)
	ANT-0 (ANT.1)	A18 ANT1	PCB Antenna	U-NII Band 1: 3.30
				U-NII Band 2-A: 3.35
				U-NII Band 2-C: 3.40
				U-NII Band 3: 3.10
	ANT-1 (ANT.2)	A18 ANT2	PCB Antenna	U-NII Band 1: 1.40
				U-NII Band 2-A: 1.90
				U-NII Band 2-C: 2.40
				U-NII Band 3: 2.70
Antenna Delivery	Reference section 3.1			
Operate Temp. Range	0 ~ +40 ℃			
EUT Power Rating	DC 5 V, 550 mA			

Frequency Band		RF Output Power (W)
802.11a	U-NII Band 1	0.022
	U-NII Band 2-A	0.022
	U-NII Band 2-C	0.022
	U-NII Band 3	0.015
802.11n HT20	U-NII Band 1	0.022
	U-NII Band 2-A	0.021
	U-NII Band 2-C	0.022
	U-NII Band 3	0.015
802.11n HT40	U-NII Band 1	0.021
	U-NII Band 2-A	0.020
	U-NII Band 2-C	0.021
	U-NII Band 3	0.014
802.11ac VHT20	U-NII Band 1	0.022
	U-NII Band 2-A	0.021
	U-NII Band 2-C	0.022
	U-NII Band 3	0.015
802.11ac VHT40	U-NII Band 1	0.021
	U-NII Band 2-A	0.020
	U-NII Band 2-C	0.021
	U-NII Band 3	0.014
802.11ac VHT80	U-NII Band 1	0.022
	U-NII Band 2-A	0.020
	U-NII Band 2-C	0.022
	U-NII Band 3	0.014
802.11ax HE20	U-NII Band 1	0.022
	U-NII Band 2-A	0.022
	U-NII Band 2-C	0.022
	U-NII Band 3	0.015
802.11ax HE40	U-NII Band 1	0.021
	U-NII Band 2-A	0.020
	U-NII Band 2-C	0.022
	U-NII Band 3	0.014
802.11ax HE80	U-NII Band 1	0.022
	U-NII Band 2-A	0.022
	U-NII Band 2-C	0.022
	U-NII Band 3	0.014

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

5150 MHz ~5250 MHz(UNII-1):

BW 20M	CH	36	40	44	48
	Freq. (MHz)	5180	5200	5220	5240
BW 40M	CH	38		46	
	Freq. (MHz)	5190		5230	
BW 80M	CH	42			
	Freq. (MHz)	5210			

5250 MHz ~5350 MHz(UNII-2A):

BW 20M	CH	52	56	60	64
	Freq. (MHz)	5260	5280	5300	5320
BW 40M	CH	54		62	
	Freq. (MHz)	5270		5310	
BW 80M	CH	58			
	Freq. (MHz)	5290			

5470 MHz ~5725 MHz(UNII-2C):

BW 20M	CH	100	104	108	112	116	120	124	128	132	136	140	144
	Freq. (MHz)	5500	5520	5540	5560	5580	5600	5620	5640	5660	5680	5700	---
BW 40M	CH	102		110		118		126		134		142	
	Freq. (MHz)	5510		5550		5590		5630		5670		---	
BW 80M	CH	106				122				138			
	Freq. (MHz)	5530				5610				---			

5725 MHz ~5850 MHz(UNII-3):

BW 20M	CH	149	153	157	161	165
	Freq. (MHz)	5745	5765	5785	5805	5825
BW 40M	CH	151		159		NA
	Freq. (MHz)	5755		5795		
BW 80M	CH	155				
	Freq. (MHz)	5775				

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
Transmit mode	V
802.11a	V
802.11n HT20	
802.11n HT40	
802.11ac VHT20	
802.11ac VHT40	
802.11ac VHT80	
802.11ax HE20	V
802.11ax HE40	V
802.11ax HE80	V

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.
By preliminary testing and verifying three axis (X, Y and Z) position of EUT transmitted status, it was found that “X axis” position was the worst, then the final test was executed the worst condition and test data were recorded in this report.

Note 1: Investigation has been done on all the possible configurations for searching the worst cases (HE20/HE40/HE80 covers HT20/HT40/VHT20/VHT40/VHT80). The table is a list of the test modes show in this test report.
Note 2: IEEE 802.11ax only support full RU。

Test Mode	ANT-0	ANT-1	ANT-0+1
802.11a	V	V	V
802.11n HT20	V	V	V
802.11n HT40	V	V	V
802.11ac VHT20	V	V	V
802.11ac VHT40	V	V	V
802.11ac VHT80	V	V	V
802.11ax HE20	V	V	V
802.11ax HE40	V	V	V
802.11ax HE80	V	V	V

Test Mode	Antenna Delivery	Data Rate (Mbps)	Band	Test Channel
802.11a	2TX (CDD)	6	U-NII Band 1	36, 40, 48
			U-NII Band 2-A	52, 56, 64
			U-NII Band 2-C	100, 112, 140
			U-NII Band 3	149, 157, 165
802.11n HT20	2TX (CDD)	MCS15	U-NII Band 1	36, 40, 48
			U-NII Band 2-A	52, 56, 64
			U-NII Band 2-C	100, 112, 140
			U-NII Band 3	149, 157, 165
802.11n HT40	2TX (CDD)	MCS15	U-NII Band 1	38, 46
			U-NII Band 2-A	54, 62
			U-NII Band 2-C	102, 110, 134
			U-NII Band 3	151,159
802.11ac VHT20	2TX (CDD)	MCS 0	U-NII Band 1	36, 40, 48
			U-NII Band 2-A	52, 56, 64
			U-NII Band 2-C	100, 112, 140
			U-NII Band 3	149, 157, 165
802.11ac VHT40	2TX (CDD)	MCS 0	U-NII Band 1	38, 46
			U-NII Band 2-A	54, 62
			U-NII Band 2-C	102, 110, 134
			U-NII Band 3	151,159
802.11ac VHT80	2TX (CDD)	MCS 0	U-NII Band 1	42
			U-NII Band 2-A	58
			U-NII Band 2-C	106, 122
			U-NII Band 3	155
802.11ax HE20	2TX (CDD)	MCS 0	U-NII Band 1	36, 40, 48
			U-NII Band 2-A	52, 56, 64
			U-NII Band 2-C	100, 112, 140
			U-NII Band 3	149, 157, 165
802.11ax HE40	2TX (CDD)	MCS 0	U-NII Band 1	38, 46
			U-NII Band 2-A	54, 62
			U-NII Band 2-C	102, 110, 134
			U-NII Band 3	151,159
802.11ax HE80	2TX (CDD)	MCS 0	U-NII Band 1	42
			U-NII Band 2-A	58
			U-NII Band 2-C	106
			U-NII Band 3	155

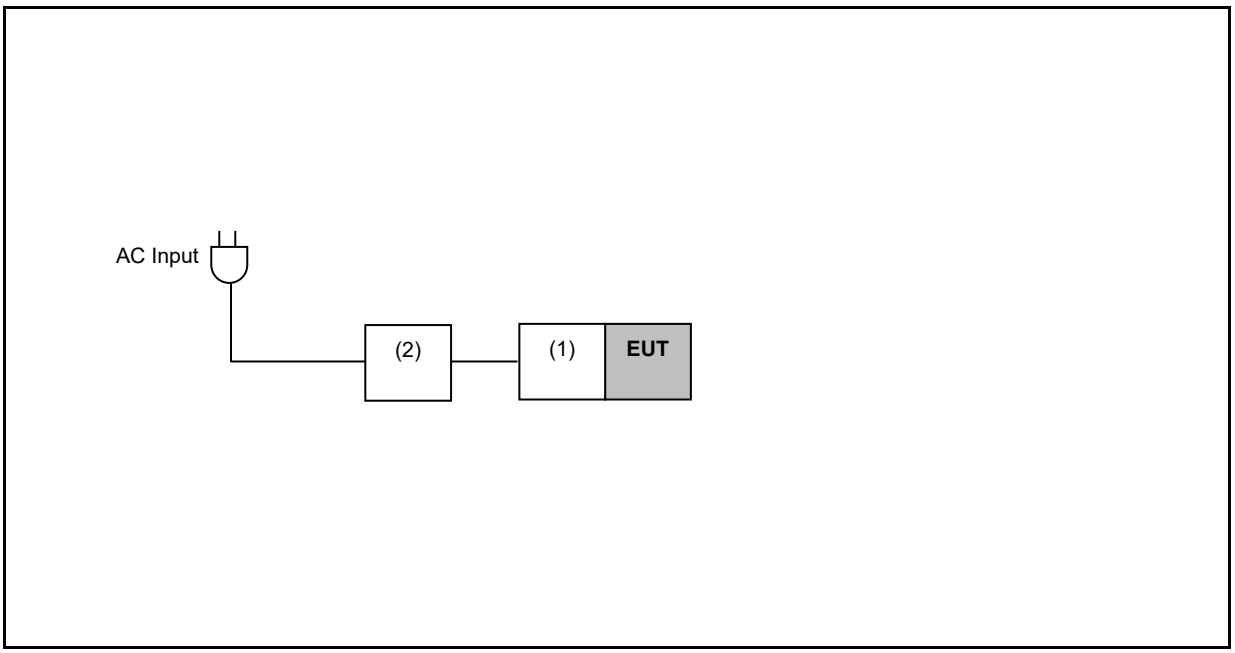
3.2. EUT Test Step

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 shown on “Configuration of Test System Details”.
2.	Turn on the power of all equipment.
3.	Turn on TX function.
4.	EUT run test program.

3.3. Configuration of Test System Details

Conducted Emissions & Radiated Emission



Devices Description					
Product		Manufacturer	Model Number	Serial Number	Power Cord
(1)	USB Cable	D-Link	Y001-1498	---	---
(2)	Notebook	ASUS	P1488U	---	---

3.4. Test Instruments

For Conducted Emission
Test Period: Jul. 09, 2022
Testing Engineer: Louis Shen

Use	Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
☒	Test Receiver	R&S	ESCI	100367	May 19, 2022	1 year
☒	LISN	R&S	ENV216	101040	Apr. 06, 2022	1 year
☒	LISN	R&S	ENV216	101041	Apr. 15, 2022	1 year
☒	RF Cable	Woken	00100D1380194M	TE-02-03	May 27, 2022	1 year
☒	Software	EZ EMC	1.1.4.3	N/A	N.C.R.	---

For Conducted
Test Period: Jun. 23, 2022 ~ Jul. 05, 2022
Testing Engineer: Jeremy Lin

Use	Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
☒	Spectrum Analyzer (10 Hz~44 GHz)	R&S	FSV3044	101255	Dec. 20, 2021	1 year
☒	Switch Box	R&S	OSP-B157W8	100850	Dec. 20, 2021	1 year

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

For Radiated Emissions
Test Period: Jul. 07, 2022 ~ Jul. 08, 2022
Testing Engineer: Hung Chou, Marc Yeh, Amy Wen

Radiation test sites		Semi Anechoic Room				
Use	Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
☒	Spectrum Analyzer (2 Hz~50 GHz)	Keysight	N9030B	MY57143537	Apr. 14, 2022	1 year
☒	Amplifier (100 kHz~1.3 GHz)	Agilent	8447D	2944A11119	Jan. 14, 2022	1 year
☒	Broadband Amplifier (1 GHz~26.5 GHz)	Titan	T0912E01263025A1F	002	Jul. 26, 2021	1 year
☒	Preamplifier (26.5 GHz~40 GHz)	EMCI	EMC2654045	980028	Aug. 19, 2021	1 year
☒	Trilog Broadband Antenna (30 kHz~1 GHz)	Schwarzbeck Mess-Elektronik	VULB9168	01146	Jul. 19, 2021	1 year
☒	Broadband Horn Antenna (1 GHz~18 GHz)	Schwarzbeck Mess-Elektronik	9120D	02207	Jul. 09, 2021	1 year
☒	Broadband Horn Antenna (18 GHz~40 GHz)	Schwarzbeck Mess-Elektronik	9170	9170-320	Aug. 24, 2021	1 year
☒	Coaxial Cable	Titan	T0710AT327A10A100	J11005	Aug. 06, 2021	1 year
☒	Coaxial Cable	Titan	T0710AT327A10A900	J11004	Aug. 06, 2021	1 year
☒	Coaxial Cable	Titan	CFD400NL-LW	001	Aug. 06, 2021	1 year
☒	Software	EZ EMC	1.1.4.4	N/A	N.C.R.	---

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

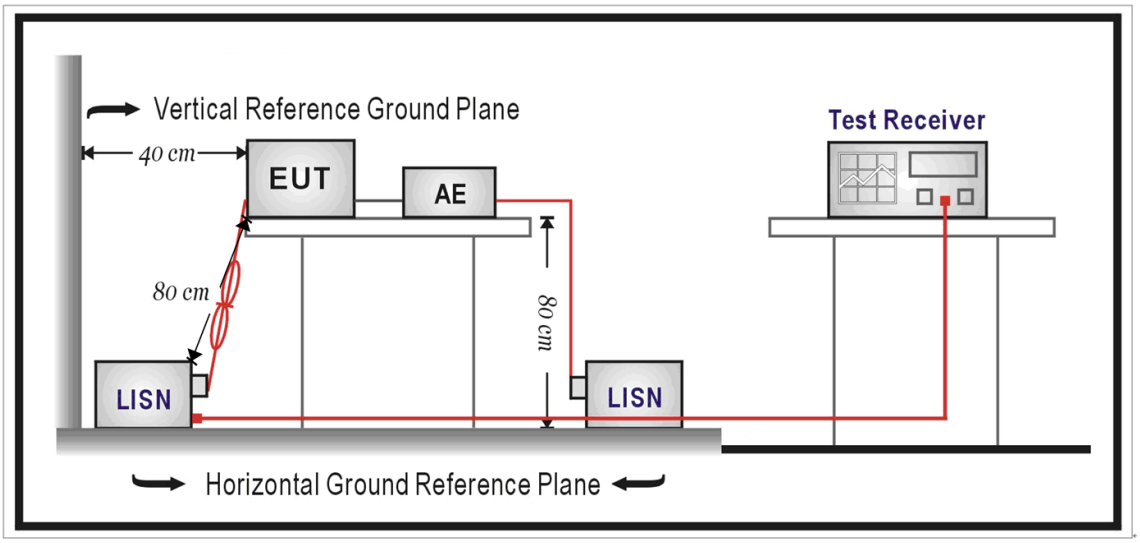
4 Measurement Procedure

4.1. AC Power Conducted Emission Measurement

■ **Limit**

Frequency (MHz)	Quasi-peak	Average
0.15 - 0.5	66 to 56	56 to 46
0.50 - 5.0	56	46
5.0 - 30.0	60	50

■ **Test Setup**



■ **Test Procedure**

The EUT and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50 Ω// 50 uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50 Ω// 50 uH coupling impedance with 50 ohm termination.

Tabletop device shall be placed on a non-conducting platform, of nominal size 1 m by 1.5 m, raised 80 cm above the reference ground plane. The wall of screened room shall be located 40 cm to the rear of the EUT. Other surfaces of tabletop or floor standing EUT shall be at least 80 cm from any other ground conducting surface including one or more LISNs. For floor-standing device shall be placed under the EUT with a 12 mm insulating material.

Conducted emissions were investigated over the frequency range from 0.15 MHz to 30 MHz using a resolution bandwidth of 9 kHz. The equipment under test (EUT) shall be meet the limits in section 4.1, as applicable, including the average limit and the quasi-peak limit when using respectively, an average detector and quasi-peak detector measured in accordance with the methods described of related standard. When all of peak value were complied with quasi-peak and average limit from 150 kHz to 30 MHz then quasi-peak and average measurement was unnecessary.

The AMN shall be placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for AMNs mounted on top of the ground reference plane. This distance is between the closest points of the AMN and the EUT. All other units of the EUT and associated equipment shall be at least 0.8 m from the AMN. If the mains power cable is longer than 1 m then the cable shall be folded back and forth at the centre of the lead to form a bundle no longer than 0.4 m. All of interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 cm to 40 cm long. All of EUT and AE shall be separate place more than 0.1 m. All 50 Ω ports of the LISN shall be resistively terminated into 50 Ω loads when not connected to the measuring instrument.

If the reading of the measuring receiver shows fluctuations close to the limit, the reading shall be observed for at least 15 s at each measurement frequency; the higher reading shall be recorded with the exception of any brief isolated high reading which shall be ignored

4.2. 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

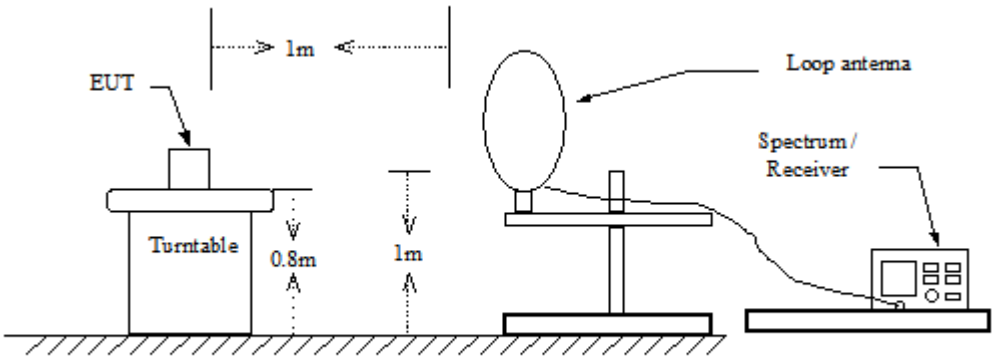
Emissions radiated outside of the specified bands, shall be according to the general radiated limits in 15.209 as following:

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

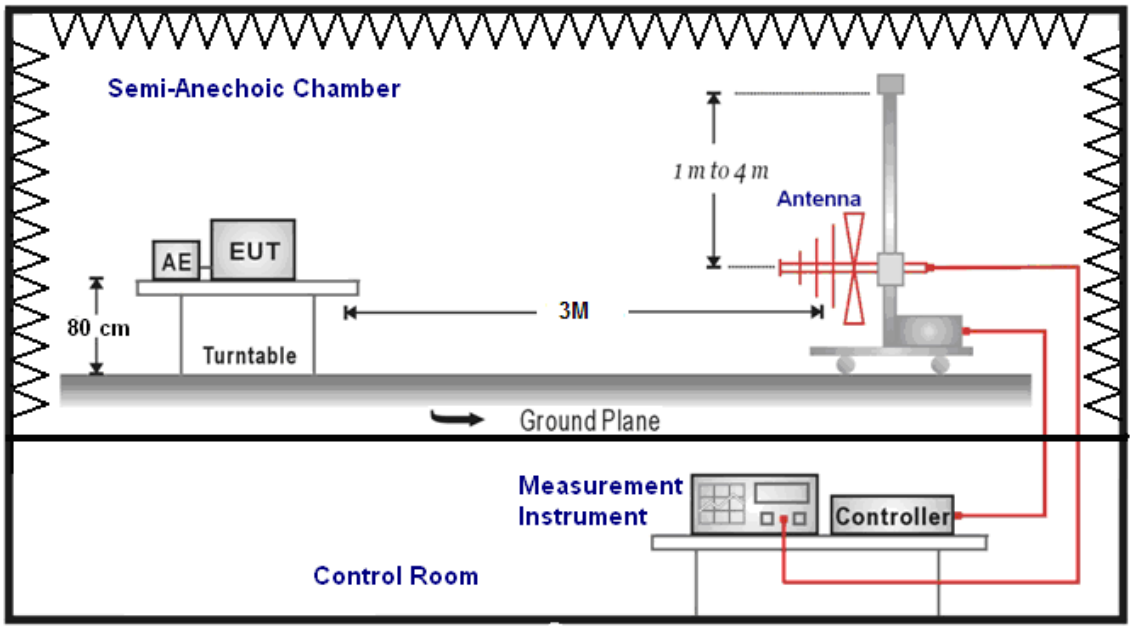
Note: 1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. As shown in 15.35(b), for frequencies above 1000 MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed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

■ **Setup**

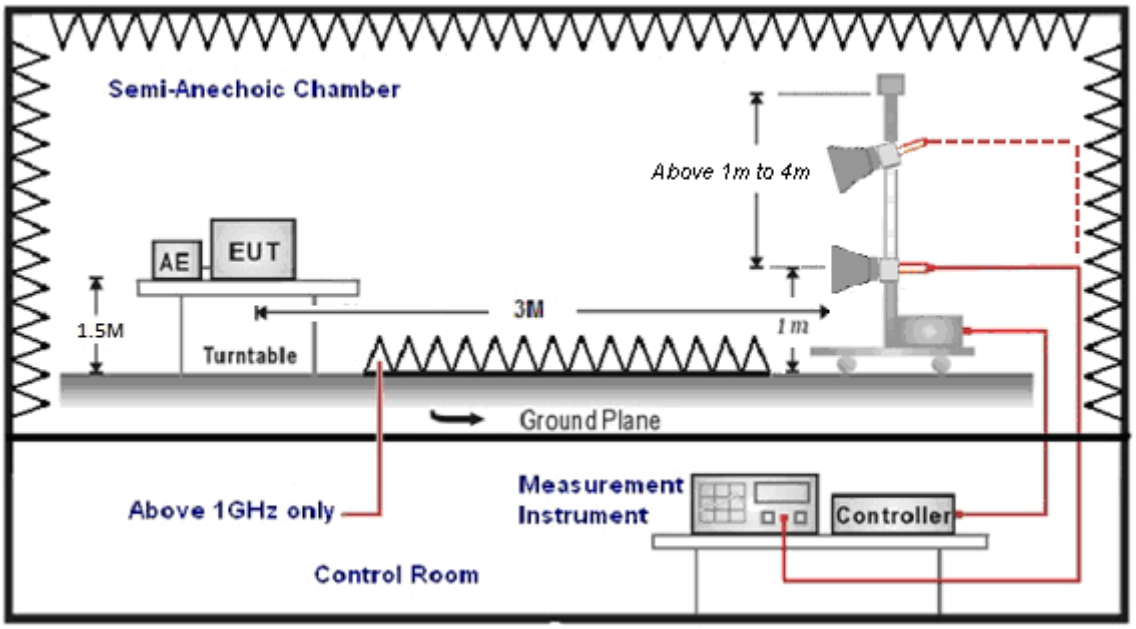
9 kHz ~ 30 MHz



30 MHz ~ 1 GHz



Above 1 GHz


Semi-Anechoic Chamber
Above 1m to 4m
AE
EUT
1.5M
3M
1m
Turntable
Ground Plane
Above 1GHz only
Measurement
Instrument
Controller
Control Room

■ **Test Procedure**

Final radiation measurements were made on a three-meter, Semi Anechoic Chamber. The EUT system was placed on a nonconductive turntable which is 0.8 or 1.5 meters height(below 1 GHz use 0.8 m turntable / above 1 GHz use 1.5 m turntable), top surface 1.0 x 1.5 meter. The spectrum was examined from 250 MHz to 2.5 GHz in order to cover the whole spectrum below 10th harmonic which could generate from the EUT. During the test, EUT was set to transmit continuously & Measurements spectrum range from 9 kHz to 40 GHz is investigated.

For measurements below 30 MHz the resolution bandwidth is set to 10 kHz for peak detection measurements or 9 kHz for quasi-peak detection measurements. The video bandwidth is 3 times of the resolution bandwidth.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For restricted measurements above 1 GHz the resolution bandwidth is set to 1 MHz, and then the video bandwidth is set to 3 MHz for peak measurements and 10 Hz for average measurements when Duty cycle > 0.98 / 1/T for average measurements when Duty cycle < 0.98.

For out of band measurements above 1 GHz the resolution bandwidth is set to 1 MHz, and then the video bandwidth is set to 3 MHz for peak measurements.

A nonconductive material surrounded the EUT to supporting the EUT for standing on tree orthogonal planes. At each condition, the EUT was rotated 360 degrees, and the antenna was raised and lowered from one to four meters to find the maximum emission levels. Measurements were taken using both horizontal and vertical antenna polarization.

SCHWARZBECK MESS-ELEKTRONIK Trilog-Broadband Antenna at 3 Meter and the ETS-Lindgren Double-Ridged Waveguide Horn antnna Schwarzbeck Mess-Elektronik Broadband Horn Antenna was used in frequencies 1 – 40 GHz at a distance of 3 meter. The antenna at an angle toward the source of the emission.All test results were extrapolated to equivalent signal at 3 meters utilizing an inverse linear distance extrapolation Factor (20 dB/decade).

For testing above 1 GHz, the emission level of the EUT in peak mode was 20 dB lower than average limit (that means the emission level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

Appropriate preamplifiers were used for improving sensitivity and precautions were taken to avoid overloading or desensitizing the spectrum analyzer. No post – detector video filters were used in the test.
The spectrum analyzer's 6 dB bandwidth was set to 1 MHz, and the analyzer was operated in the peak detection mode, for frequencies both below and up 1 GHz. The average levels were obtained by subtracting the duty cycle correction factor from the peak readings.

The following procedures were used to convert the emission levels measured in decibels referenced to 1 microvolt (dBuV) into field intensity in micro volts pre meter (uV/m).
The actual field intensity in decibels referenced to 1 microvolt in to field intensity in micro colts per meter (dBuV/m).

Data of measurement within this frequency range without mark in the table above means the reading of emissions are attenuated more than 20 dB below the permissible limits or the field strength is too small to be measured.

The actual field is intensity in referenced to 1 microvolt per meter (dBuV/m) is determined by algebraically adding the measured reading in dBuV, the antenna factor (dB), and cable loss (dB) and Subtracting the gain of preamplifier (dB) is auto calculate in spectrum analyzer.

(1) Amplitude (dBuV/m) = FI (dBuV) +AF (dBuV) +CL (dBuV)-Gain (dB)
FI= Reading of the field intensity.
AF= Antenna factor.
CL= Cable loss.
P.S Amplitude is auto calculate in spectrum analyzer.

(2) Actual Amplitude (dBuV/m) = Amplitude (dBuV)-Dis(dB)
The FCC specified emission limits were calculated according the EUT operating frequency and by following linear interpolation equations:
(a) For fundamental frequency : Transmitter Output < +30 dBm
(b) For spurious frequency : Spurious emission limits = fundamental emission limit /10

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

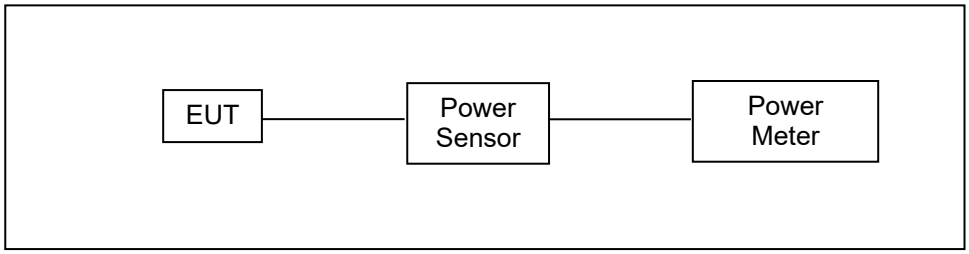
4.3. Maximum Conducted Output Power and Transmit power control Measurement

■ **Limit**

Frequency Range (MHz)	FCC Maximum Conducted Output Power Limit
	Client
5.150 ~ 5.250 GHz	The lesser of 250 mW (24 dBm)
5.250 ~ 5.350 GHz	The lesser of 250 mW (24 dBm) or 11 dBm + 10 log (B)
5.470 ~ 5.725 GHz	The lesser of 250 mW (24 dBm) or 11 dBm + 10 log (B)
5.725 ~ 5.850 GHz	The lesser of 1 W (30 dBm)

According FCC KDB 662911 D01 v02r01 – for power measurements on IEEE802.11 devices,

■ **Test Setup**



■ **Test Procedure**

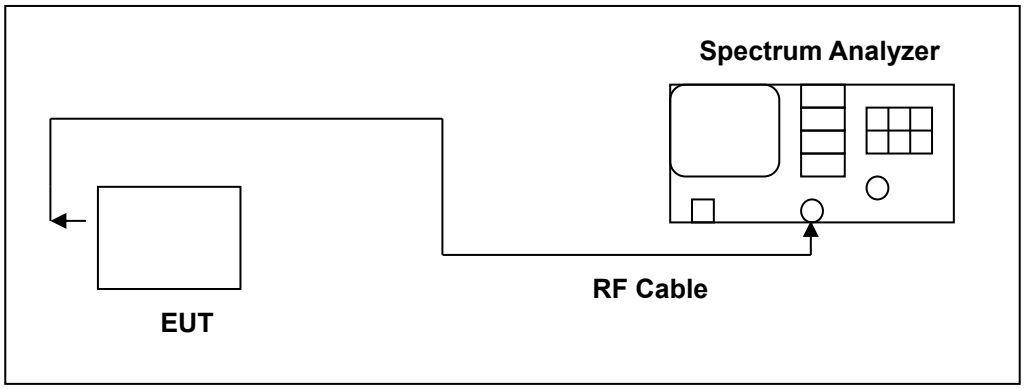
The test is performed in accordance with ANSI C63.10:2013 section 12.3.3.2, Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices
Section (E) Maximum Conducted Output Power
3. Measurement using a Power Meter (PM)
b) Method PM-G (Measurement using a gated RF average power meter)

4.4. 26 dB RF Bandwidth Measurement

■ Limit

N/A

■ Test Setup



■ Test Procedure

The test is performed in accordance with ANSI C63.10:2013 section 12.4.1, Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices - Part 15, Subpart E.

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	>26 dB Bandwidth
RBW	Approximately 1 % of the emission bandwidth
VBW	VBW > RBW
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

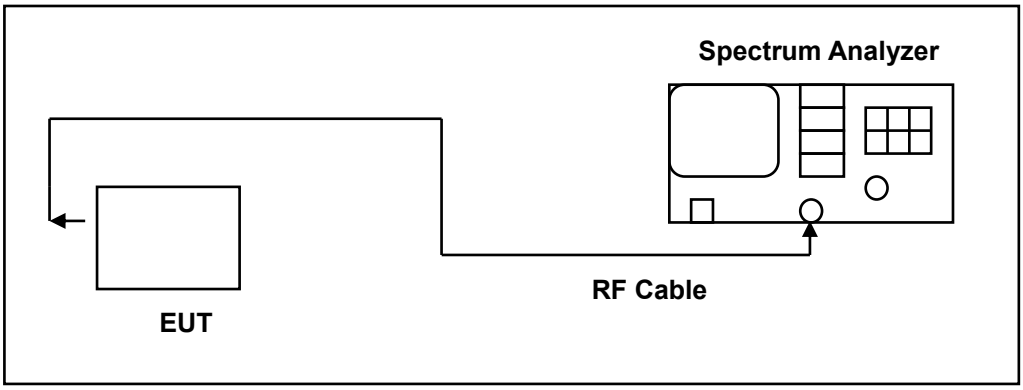
4.5. 6 dB RF Bandwidth Measurement

■ **Limit**

6 dB RF Bandwidth

Systems using digital modulation techniques may operate in the 5725~5825 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.

■ **Test Setup**



■ **Test Procedure**

6 dB RF Bandwidth

The EUT tested to UNII test procedure of ANSI C63.10:2013 section 6.9.2 for compliance to FCC 47CFR 15.407 requirements.

The antenna port of the EUT was connected to the input of a spectrum analyzer. Analyzer RES BW was set to 100 kHz. For each RF output channel investigated, the spectrum analyzer center frequency was set to the channel carrier. A peak output reading was taken, a DISPLAY line was drawn 6 dB lower than peak level. The 6 dB bandwidth was determined from where the channel output spectrum intersected the display line.

The test was performed at 3 channels.

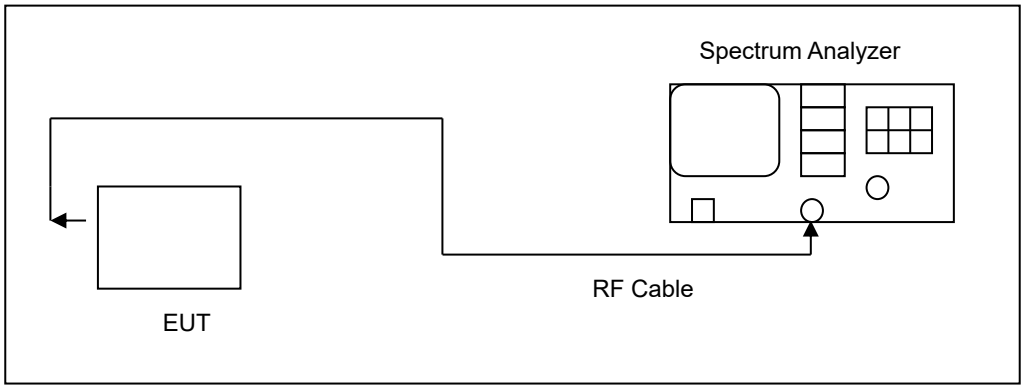
4.6. Maximum Power Spectral Density Measurement

■ **Limit**

Frequency Range (MHz)	FCC Limit
	Client
5.150 ~ 5.250 GHz	11 dBm/MHz
5.250 ~ 5.350 GHz	11 dBm/MHz
5.470 ~ 5.725 GHz	11 dBm/MHz
5.725 ~ 5.850 GHz	30 dBm/500 kHz

According FCC KDB 662911 D01 v02r01 – for power spectral density measurements on IEEE802.11 devices,

■ **Test Setup**



■ **Test Procedure**

The test is performed in accordance with ANSI C63.10:2013 section 12.5, Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices - Part 15, Subpart E.

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	Encompass the entire emissions bandwidth (EBW) of the signal
RBW	1 MHz (5725 ~ 5850 MHz use 100 kHz)
VBW	3 MHz (5725 ~ 5850 MHz use 300 kHz)
Detector	RMS
Trace	AVERAGE
Sweep Time	Auto
Trace Average	100 times
Note: If measurement bandwidth of Maximum PSD is specified in 500 kHz, add 10 log(500 kHz/100 kHz) to the measured result.	

4.7. Automatically discontinue transmission

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signalling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization a description of how this requirement is met.

■ **Declare**

While the EUT is not transmitting any information, the EUT can automatically discontinue transmission and become standby mode for power saving.

The EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.

4.8. Antenna Requirement

■ **Requirement**

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.

■ **Directional Gain Calculated**

Test mode	Band	Transmission Type	Antenna				Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
			ANT-0 (dBi)	ANT-1 (dBi)	ANT-2 (dBi)	ANT-3 (dBi)				
802.11a	Band 1	CDD	3.30	1.40	-	-	5.41	5.41	0.00	0.00
	Band 2-A		3.35	1.90	-	-	5.67	5.67	0.00	0.00
	Band 2-C		3.40	2.40	-	-	5.92	5.92	0.00	0.00
	Band 3		3.10	2.70	-	-	5.91	5.91	0.00	0.00
802.11n HT20 802.11n HT40 802.11ac VHT20 802.11ac VHT40 802.11ac VHT80 802.11ax HE20 802.11ax HE40 802.11ax HE80	Band 1	CDD	3.30	1.40	-	-	5.41	5.41	0.00	0.00
	Band 2-A		3.35	1.90	-	-	5.67	5.67	0.00	0.00
	Band 2-C		3.40	2.40	-	-	5.92	5.92	0.00	0.00
	Band 3		3.10	2.70	-	-	5.91	5.91	0.00	0.00

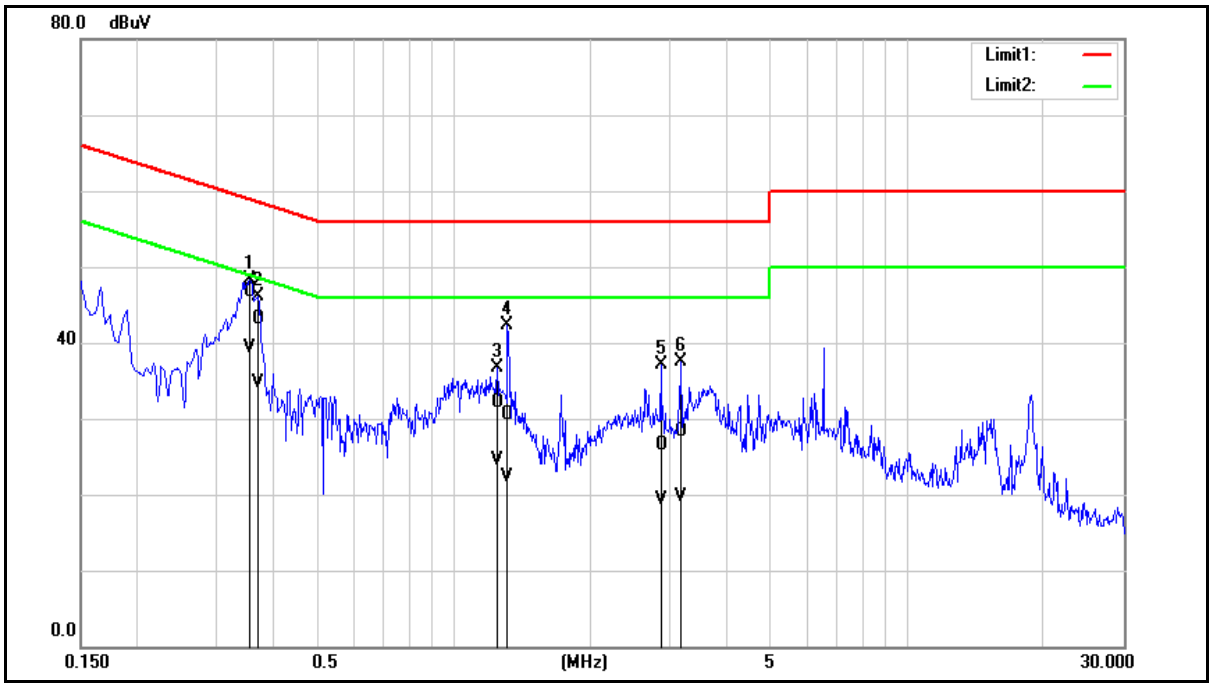
If transmit signals are correlated, then Directional gain = 10 log[($10^{G1/20}$ + $10^{G2/20}$ + … + $10^{GN/20}$) 2 /NANT]

If all transmit signals are completely uncorrelated, then Directional gain = 10 log[($10^{G1/10}$ + $10^{G2/10}$ + … + $10^{GN/10}$)/NANT]

5 Test Results

5.1. Conducted Emission

Standard:	FCC Part 15.407	Line:	L1
Test item:	Conducted Emission	Power:	AC 120 V/60 Hz
Test Mode:	Transmit mode		
Description:			

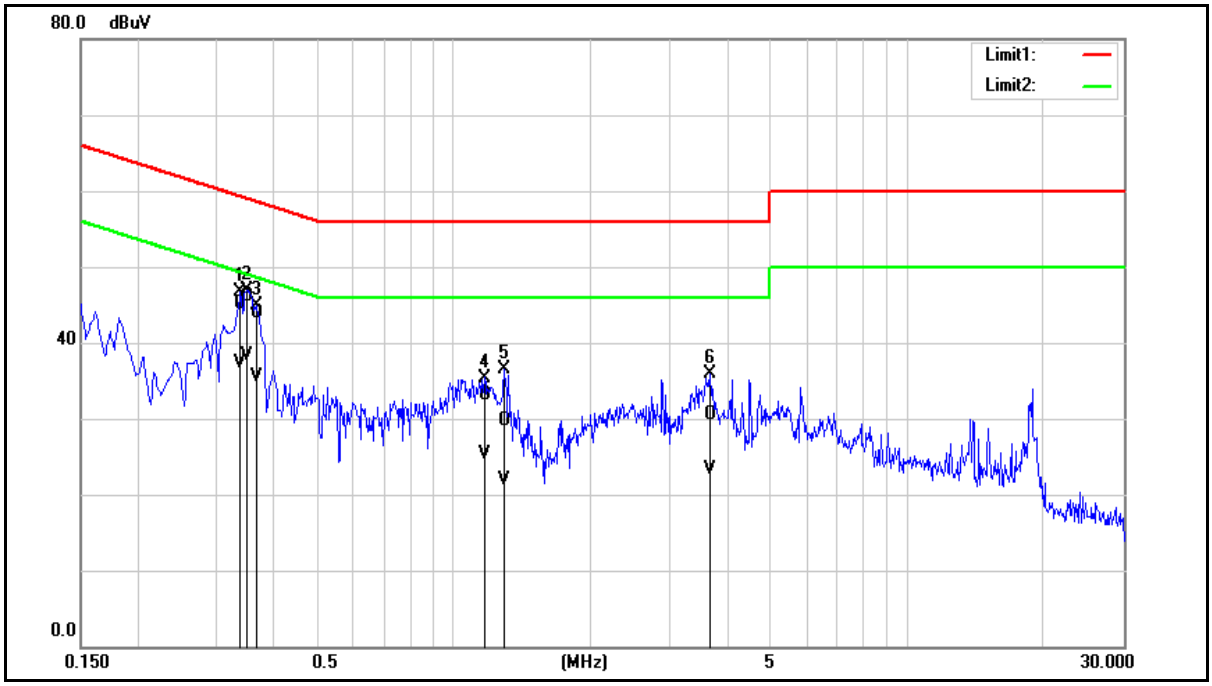


No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.3540	37.20	29.70	9.55	46.75	39.25	58.87	48.87	-12.12	-9.62	Pass
2	0.3700	33.62	25.24	9.55	43.17	34.79	58.50	48.50	-15.33	-13.71	Pass
3	1.2460	22.43	14.85	9.59	32.02	24.44	56.00	46.00	-23.98	-21.56	Pass
4	1.3140	20.93	12.72	9.59	30.52	22.31	56.00	46.00	-25.48	-23.69	Pass
5	2.8660	16.89	9.57	9.64	26.53	19.21	56.00	46.00	-29.47	-26.79	Pass
6	3.1620	18.61	10.03	9.64	28.25	19.67	56.00	46.00	-27.75	-26.33	Pass

Note: 1. Result (dBuV) = Correction factor (dB) + Reading(dBuV).

2. Correction factor (dB) = Cable loss (dB) + L.I.S.N. factor (dB).

Standard:	FCC Part 15.407	Line:	N
Test item:	Conducted Emission	Power:	AC 120 V/60 Hz
Test Mode:	Transmit mode		
Description:			



No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.3380	35.56	27.79	9.60	45.16	37.39	59.25	49.25	-14.09	-11.86	Pass
2	0.3500	36.60	28.72	9.60	46.20	38.32	58.96	48.96	-12.76	-10.64	Pass
3	0.3660	34.26	25.87	9.61	43.87	35.48	58.59	48.59	-14.72	-13.11	Pass
4	1.1700	23.55	15.63	9.65	33.20	25.28	56.00	46.00	-22.80	-20.72	Pass
5	1.2900	20.12	12.25	9.65	29.77	21.90	56.00	46.00	-26.23	-24.10	Pass
6	3.6780	20.71	13.54	9.72	30.43	23.26	56.00	46.00	-25.57	-22.74	Pass

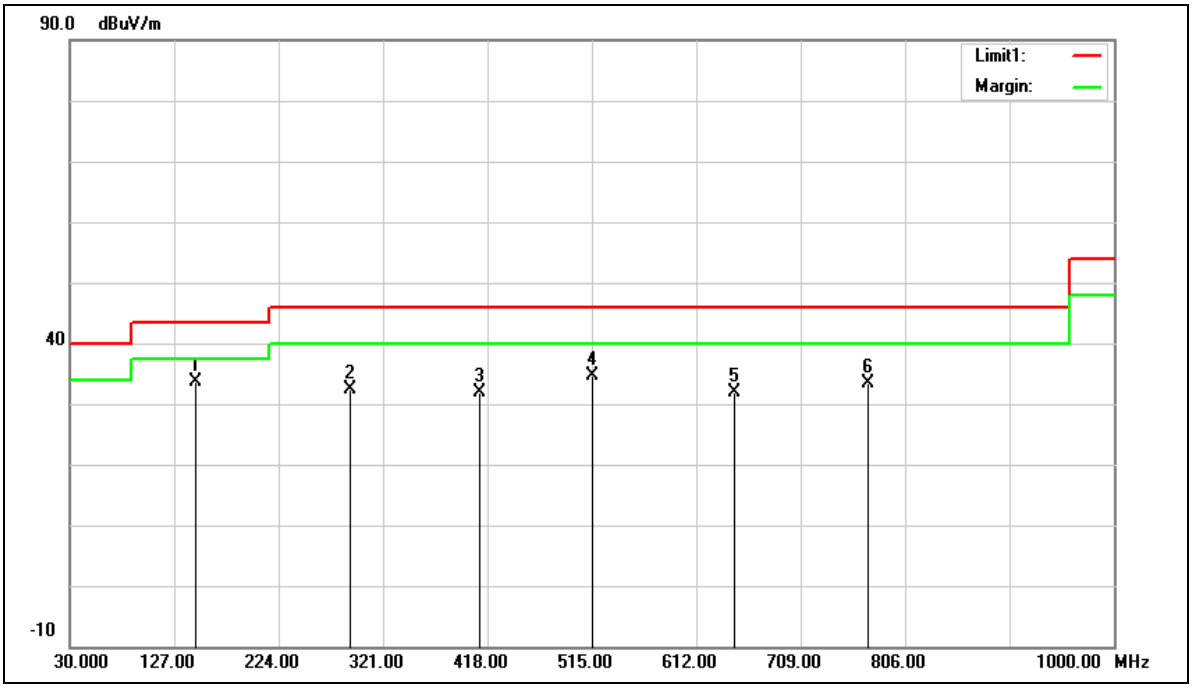
Note: 1. Result (dBuV) = Correction factor (dB) + Reading(dBuV).

2. Correction factor (dB) = Cable loss (dB) + L.I.S.N. factor (dB).

5.2. Radiated Emission Measurement

Below 1 GHz

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Radiated Emission		
Mode:	Transmit mode		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	147.3700	40.41	-6.77	33.64	43.50	-9.86	QP
2	290.9300	38.31	-5.98	32.33	46.00	-13.67	QP
3	411.2100	35.02	-3.20	31.82	46.00	-14.18	QP
4	515.0000	36.02	-1.48	34.54	46.00	-11.46	QP
5	647.8900	30.31	1.54	31.85	46.00	-14.15	QP
6	771.0800	29.59	3.81	33.40	46.00	-12.60	QP

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

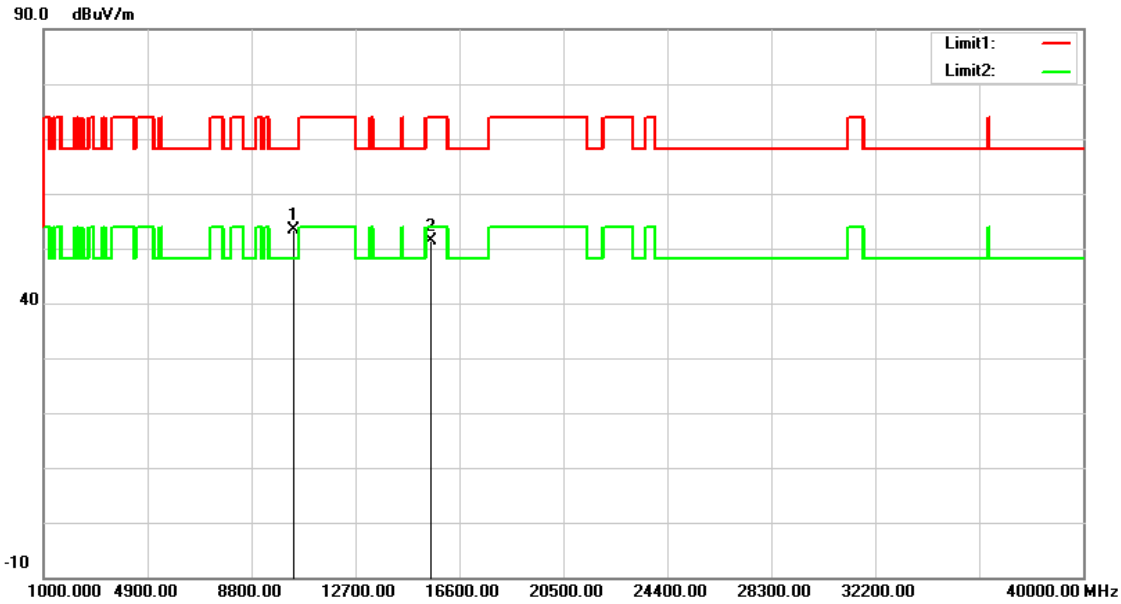
2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

Harmonic

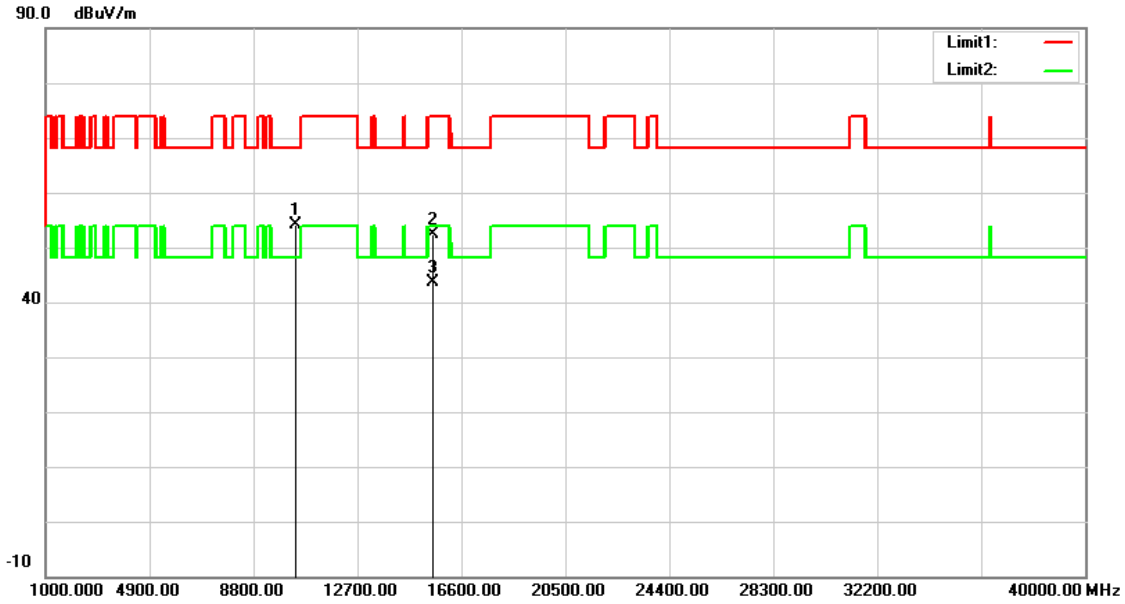
Above 1 GHz

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5180 MHz		
Mode:	802.11a		
Ant.Polar.:	Horizontal		



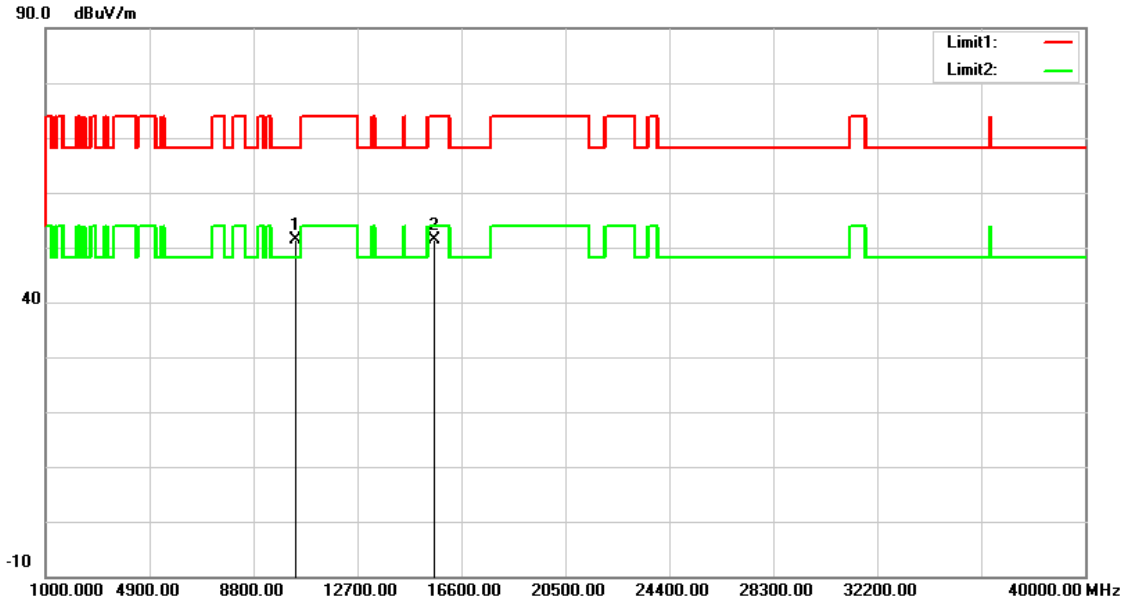
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	41.49	11.99	53.48	68.20	-14.72	peak
2	15540.000	33.60	17.76	51.36	74.00	-22.64	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5180 MHz		
Mode:	802.11a		
Ant.Polar.:	Vertical		



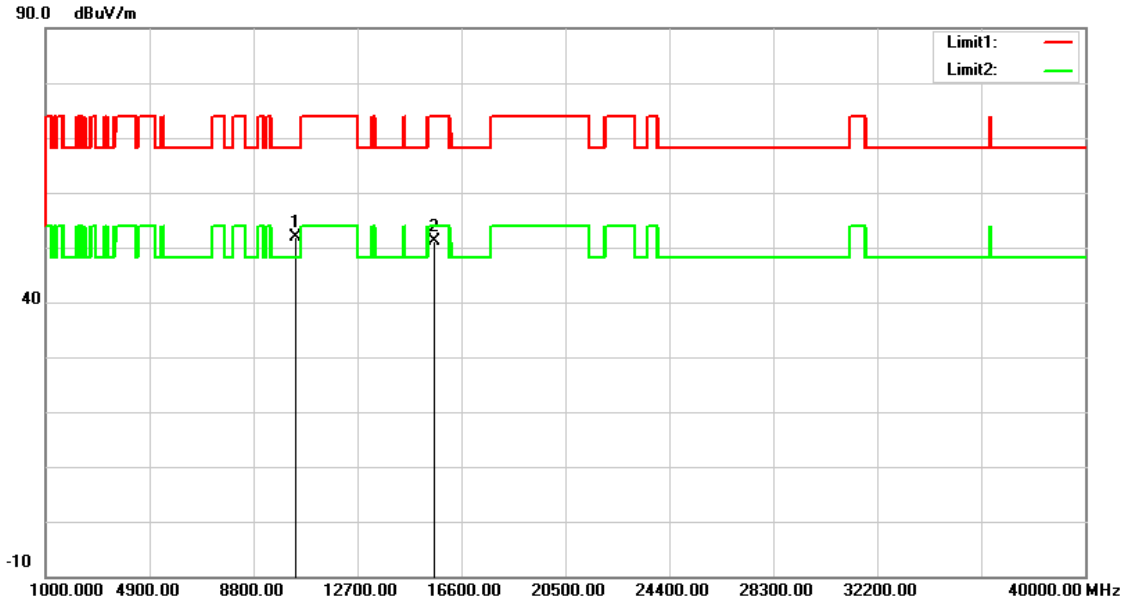
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	42.22	11.99	54.21	68.20	-13.99	peak
2	15540.000	34.50	17.76	52.26	74.00	-21.74	peak
3	15540.000	25.83	17.76	43.59	54.00	-10.41	AVG

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5200 MHz		
Mode:	802.11a		
Ant.Polar.:	Horizontal		



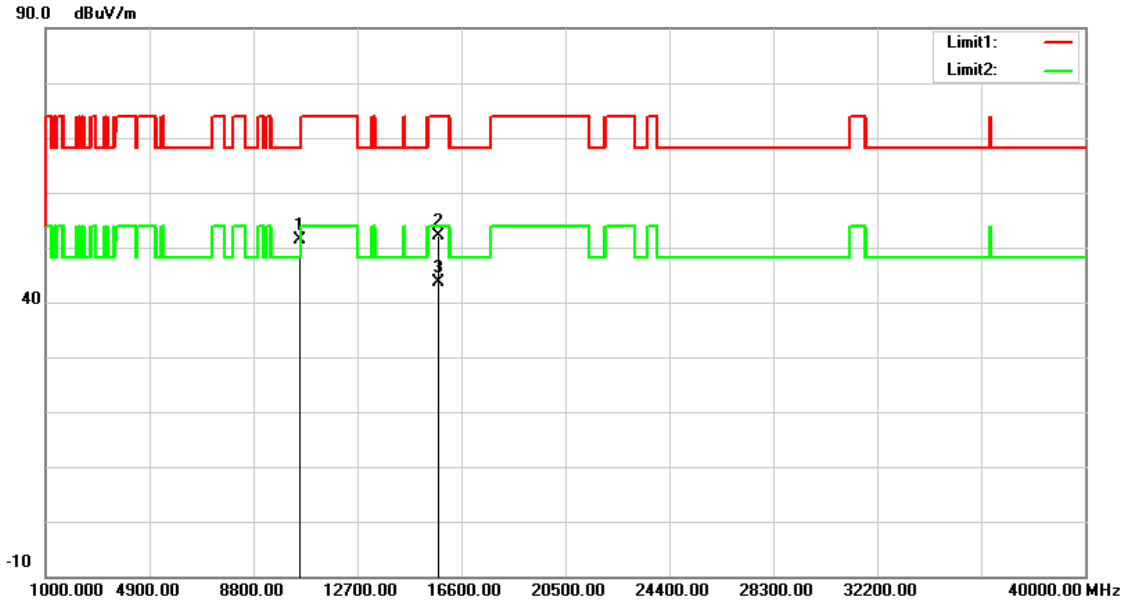
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	39.41	12.02	51.43	68.20	-16.77	peak
2	15600.000	33.67	17.71	51.38	74.00	-22.62	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5200 MHz		
Mode:	802.11a		
Ant.Polar.:	Vertical		



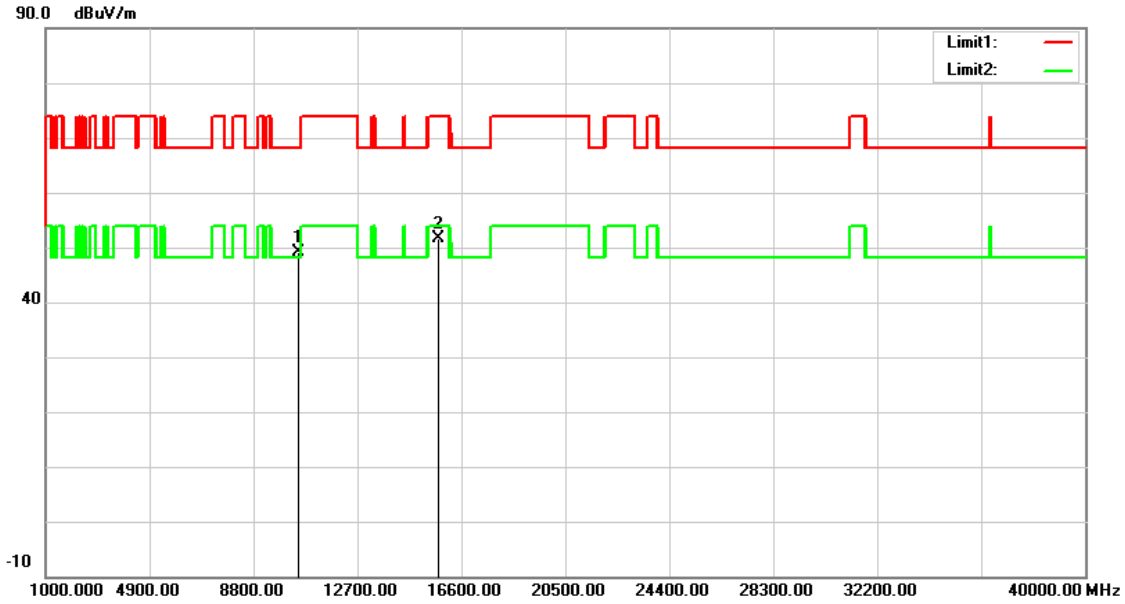
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	39.88	12.02	51.90	68.20	-16.30	peak
2	15600.000	33.42	17.71	51.13	74.00	-22.87	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5240 MHz		
Mode:	802.11a		
Ant.Polar.:	Horizontal		



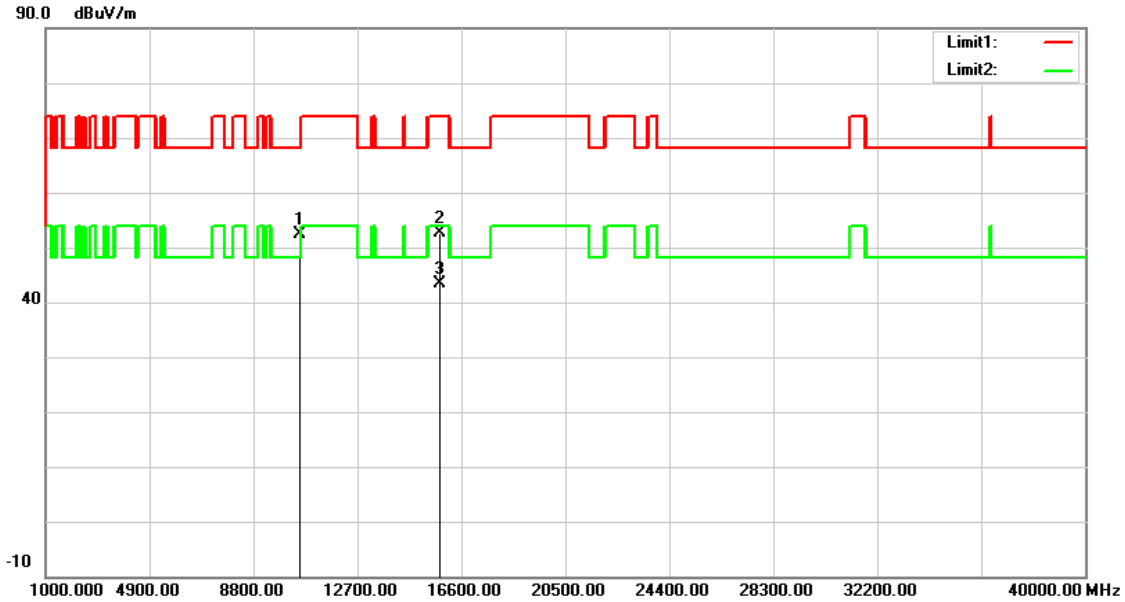
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10486.000	39.41	12.08	51.49	68.20	-16.71	peak
2	15720.000	34.51	17.62	52.13	74.00	-21.87	peak
3	15720.000	25.98	17.62	43.60	54.00	-10.40	AVG

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5240 MHz		
Mode:	802.11a		
Ant.Polar.:	Vertical		



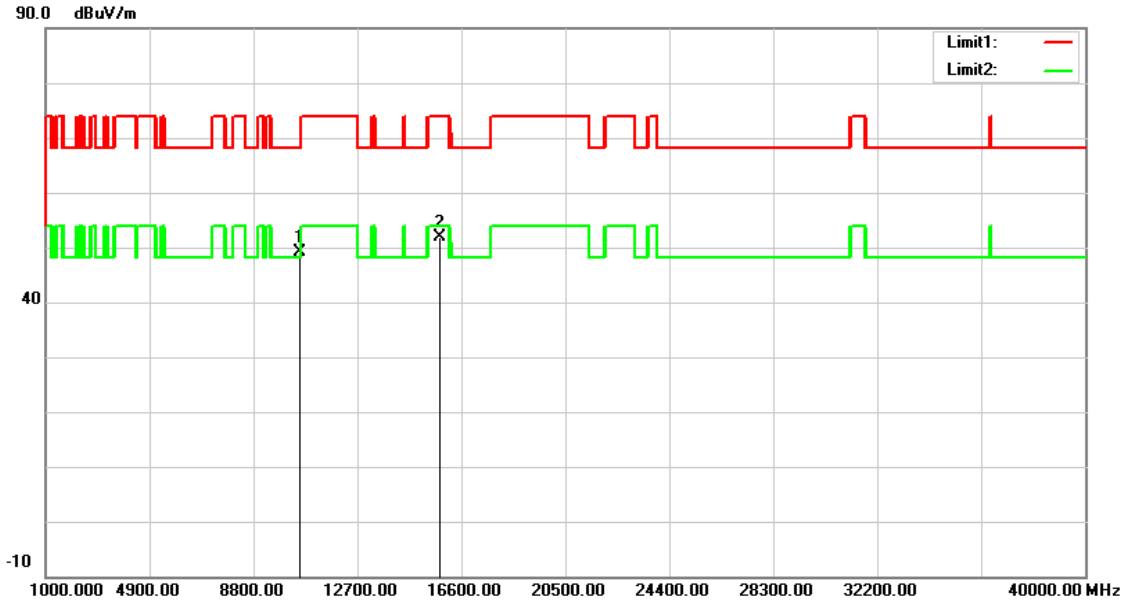
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	36.97	12.07	49.04	68.20	-19.16	peak
2	15720.000	34.02	17.62	51.64	74.00	-22.36	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5260 MHz		
Mode:	802.11a		
Ant.Polar.:	Horizontal		



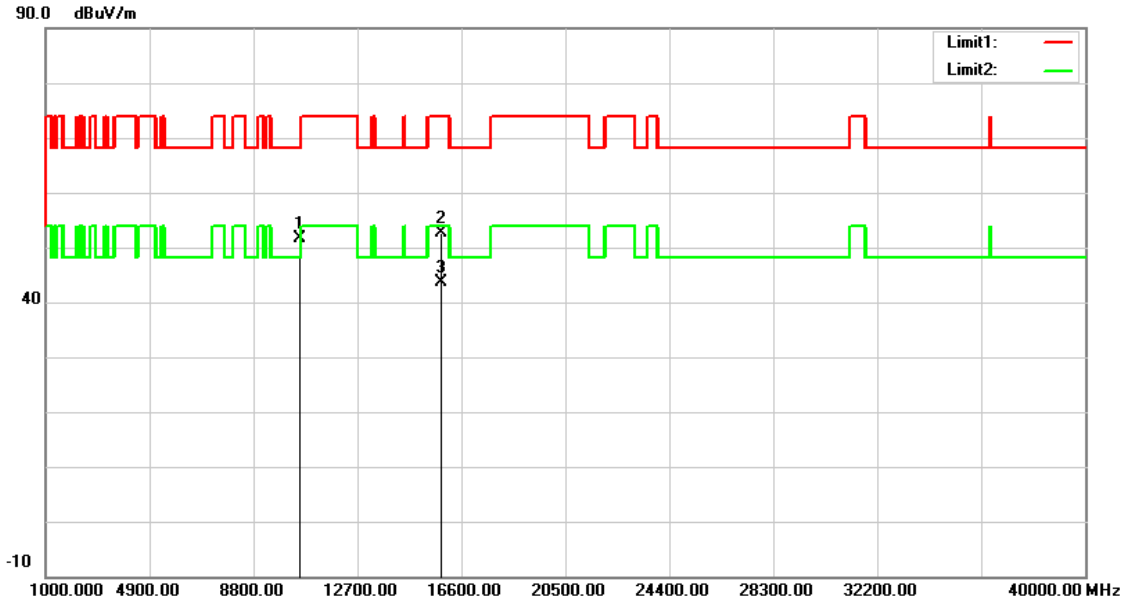
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10520.000	40.28	12.11	52.39	68.20	-15.81	peak
2	15780.000	35.10	17.58	52.68	74.00	-21.32	peak
3	15780.000	25.69	17.58	43.27	54.00	-10.73	AVG

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5260 MHz		
Mode:	802.11a		
Ant.Polar.:	Vertical		



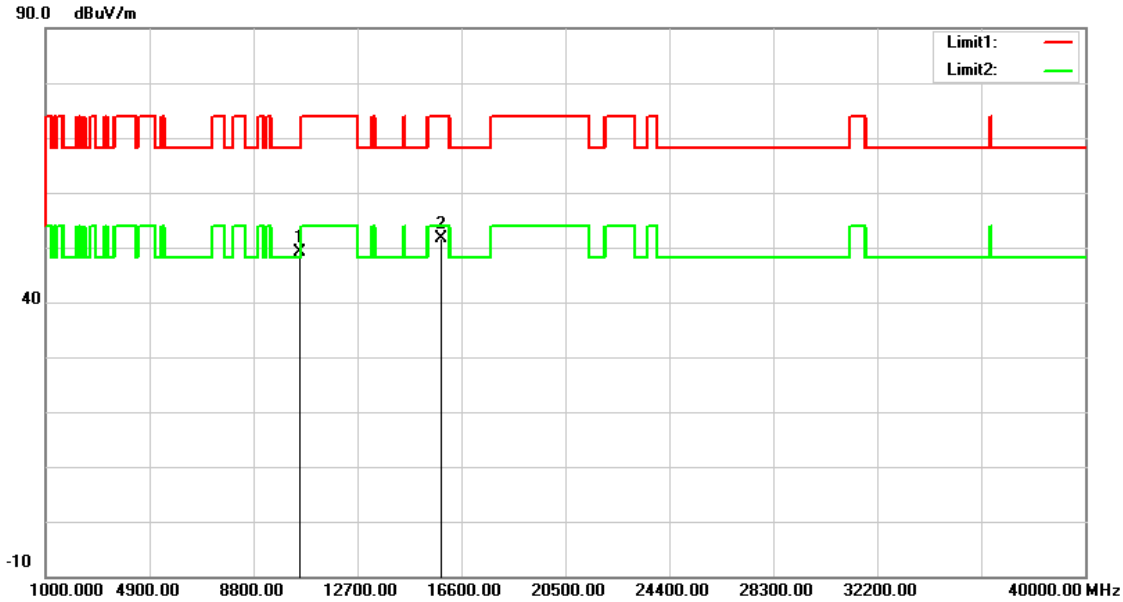
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10520.000	37.09	12.11	49.20	68.20	-19.00	peak
2	15780.000	34.42	17.58	52.00	74.00	-22.00	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5280 MHz		
Mode:	802.11a		
Ant.Polar.:	Horizontal		



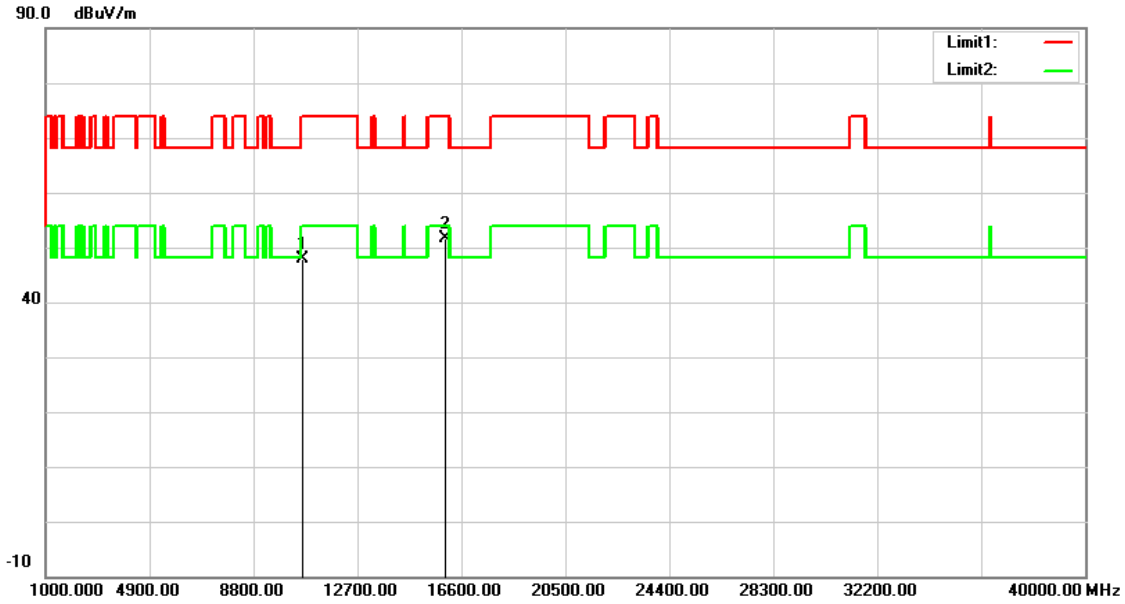
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10560.000	39.45	12.14	51.59	68.20	-16.61	peak
2	15840.000	35.01	17.53	52.54	74.00	-21.46	peak
3	15840.000	26.18	17.53	43.71	54.00	-10.29	AVG

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5280 MHz		
Mode:	802.11a		
Ant.Polar.:	Vertical		



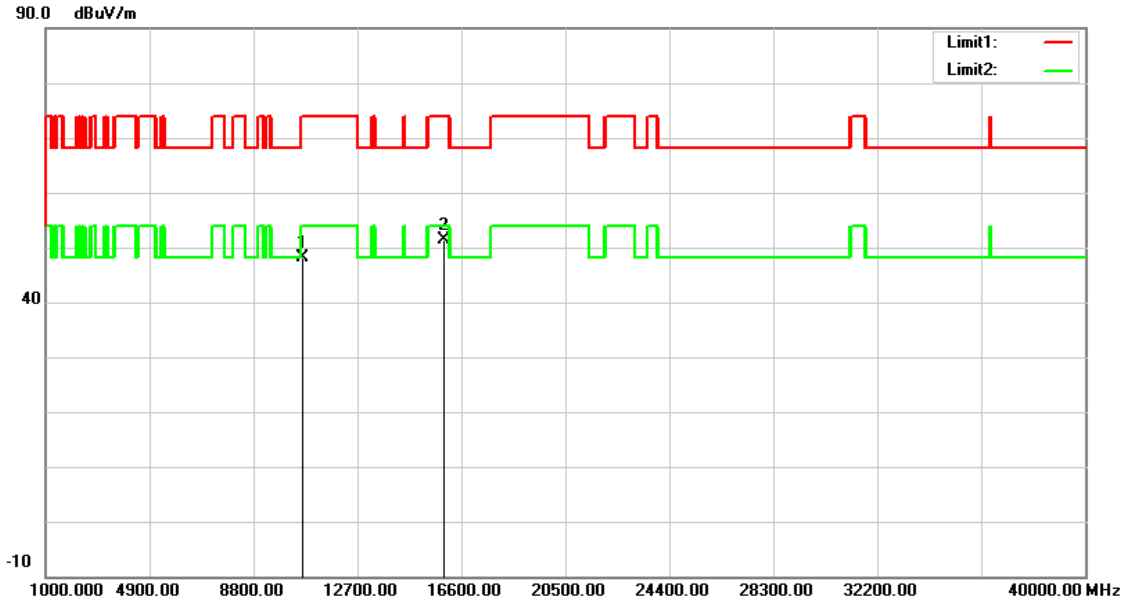
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10560.000	36.99	12.14	49.13	68.20	-19.07	peak
2	15840.000	33.99	17.53	51.52	74.00	-22.48	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5320 MHz		
Mode:	802.11a		
Ant.Polar.:	Horizontal		



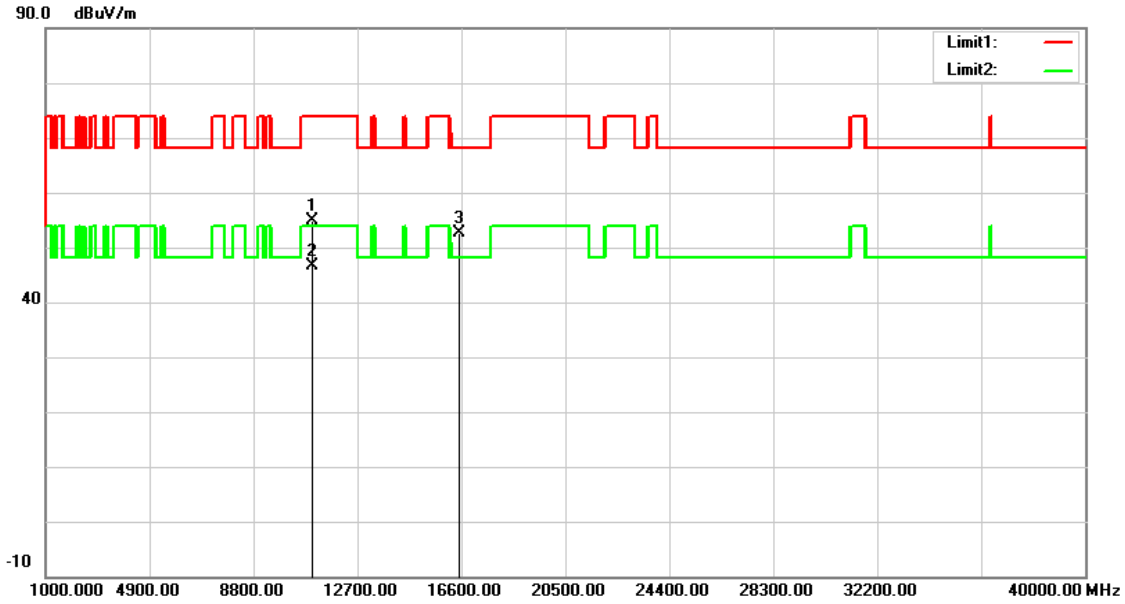
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10640.000	35.56	12.20	47.76	74.00	-26.24	peak
2	15960.000	34.27	17.44	51.71	74.00	-22.29	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5320 MHz		
Mode:	802.11a		
Ant.Polar.:	Vertical		



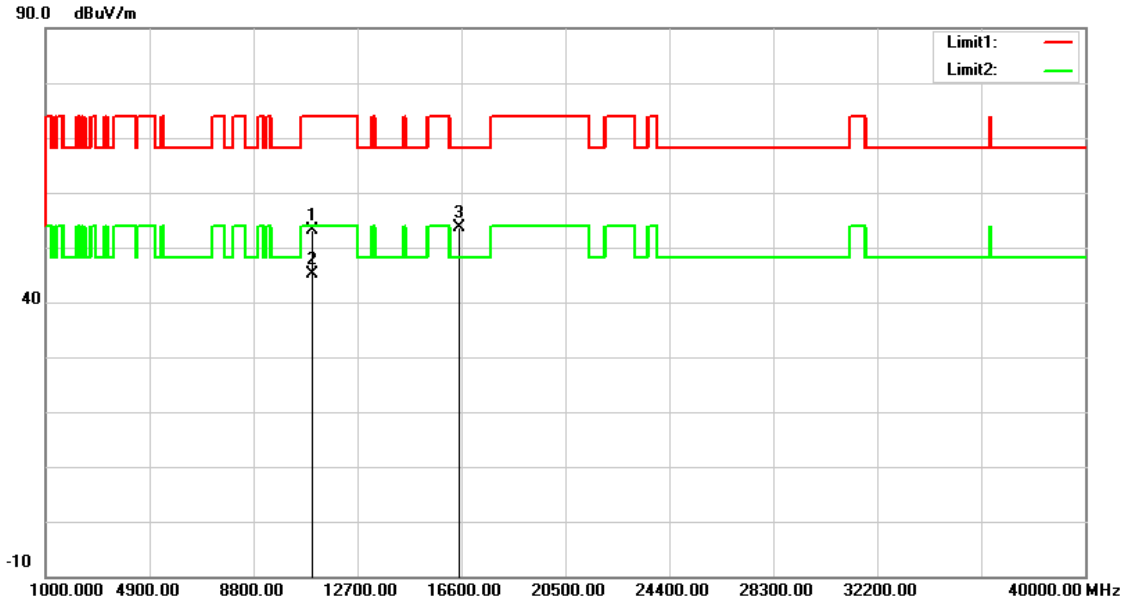
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10640.000	35.84	12.20	48.04	74.00	-25.96	peak
2	15960.000	33.97	17.44	51.41	74.00	-22.59	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5500 MHz		
Mode:	802.11a		
Ant.Polar.:	Horizontal		



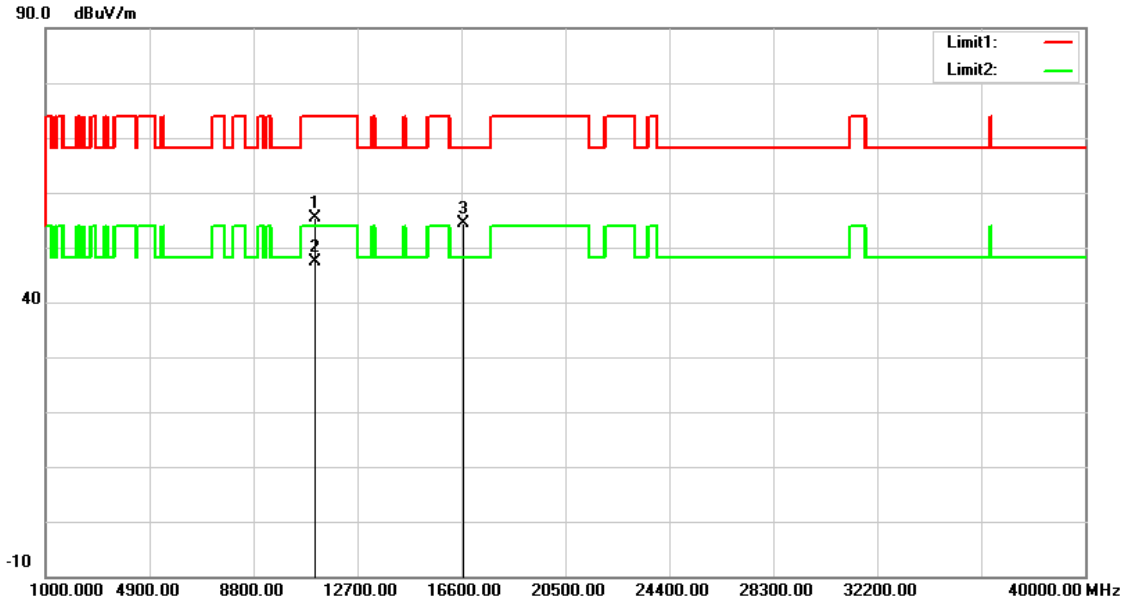
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11000.000	42.38	12.47	54.85	74.00	-19.15	peak
2	11000.000	34.26	12.47	46.73	54.00	-7.27	AVG
3	16500.000	34.08	18.63	52.71	68.20	-15.49	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5500 MHz		
Mode:	802.11a		
Ant.Polar.:	Vertical		



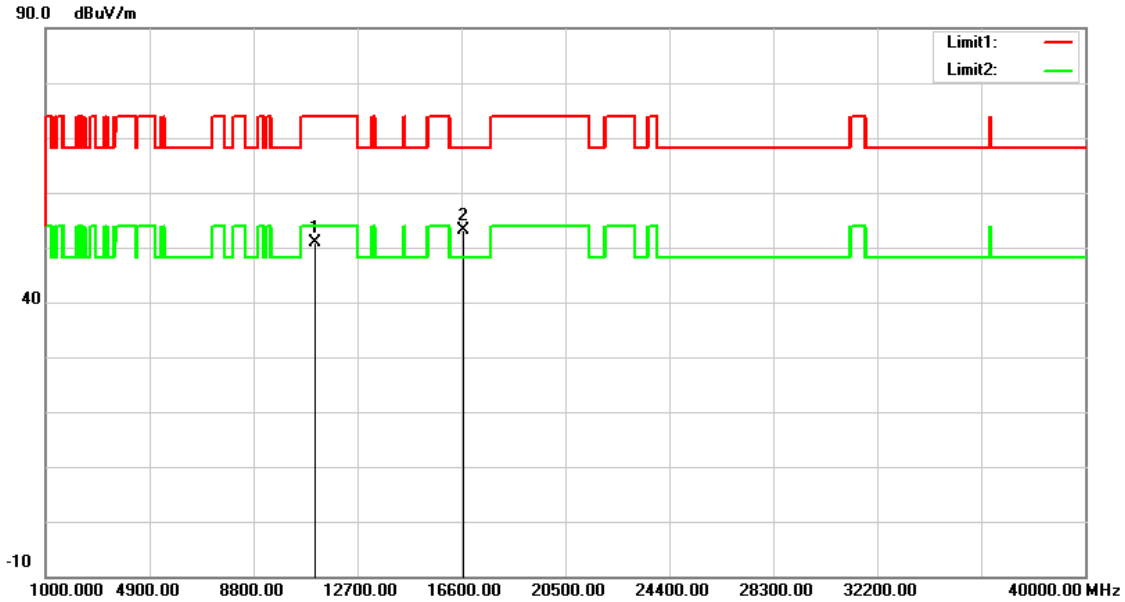
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11000.000	40.63	12.47	53.10	74.00	-20.90	peak
2	11000.000	32.63	12.47	45.10	54.00	-8.90	AVG
3	16500.000	34.91	18.63	53.54	68.20	-14.66	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5560 MHz		
Mode:	802.11a		
Ant.Polar.:	Horizontal		



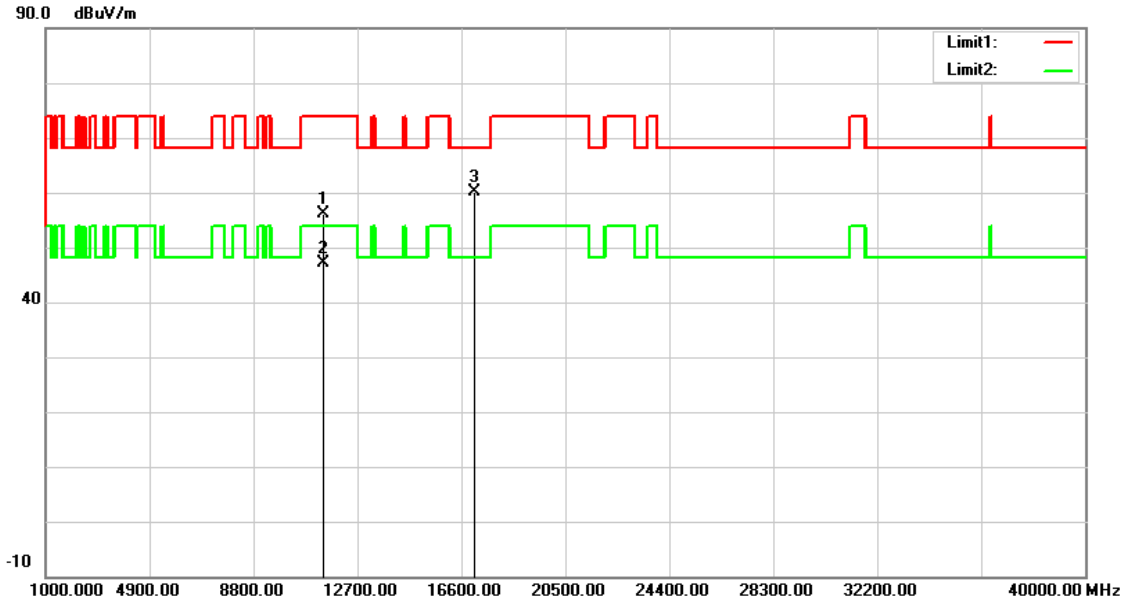
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11120.000	42.69	12.62	55.31	74.00	-18.69	peak
2	11120.000	34.73	12.62	47.35	54.00	-6.65	AVG
3	16680.000	35.14	19.34	54.48	68.20	-13.72	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5560 MHz		
Mode:	802.11a		
Ant.Polar.:	Vertical		



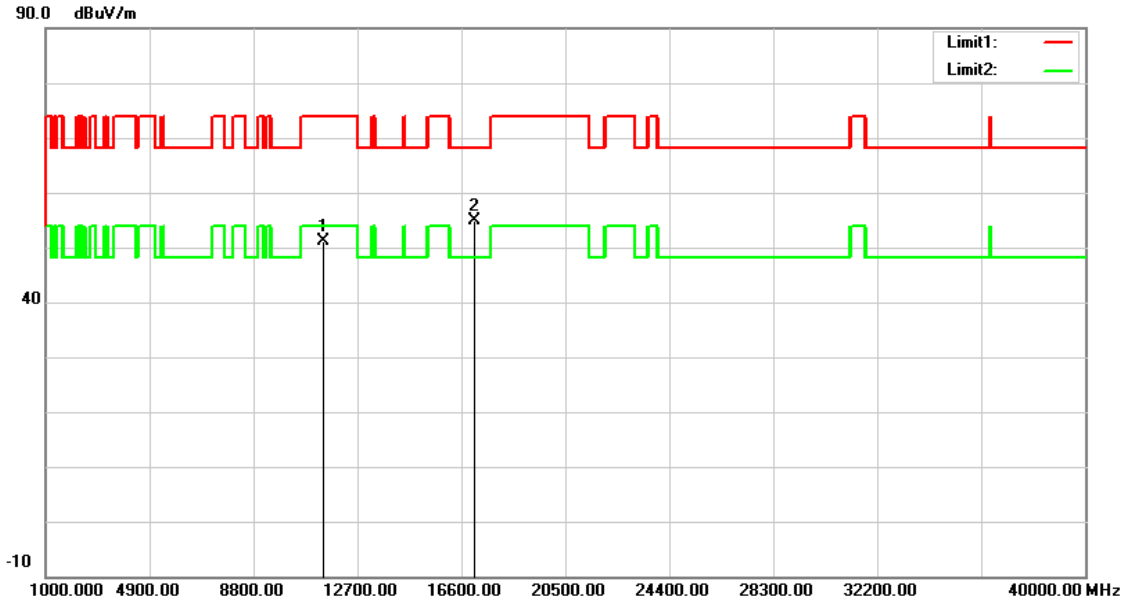
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11120.000	38.28	12.62	50.90	74.00	-23.10	peak
2	16680.000	33.83	19.34	53.17	68.20	-15.03	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5700 MHz		
Mode:	802.11a		
Ant.Polar.:	Horizontal		



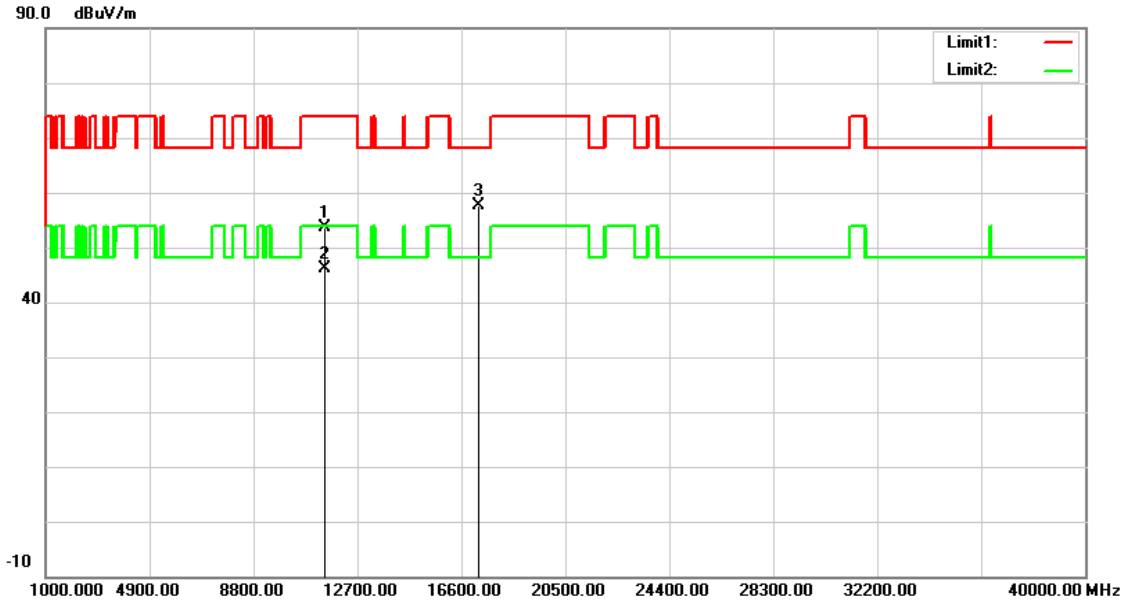
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11400.000	43.09	12.98	56.07	74.00	-17.93	peak
2	11400.000	34.20	12.98	47.18	54.00	-6.82	AVG
3	17100.000	39.47	20.63	60.10	68.20	-8.10	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5700 MHz		
Mode:	802.11a		
Ant.Polar.:	Vertical		



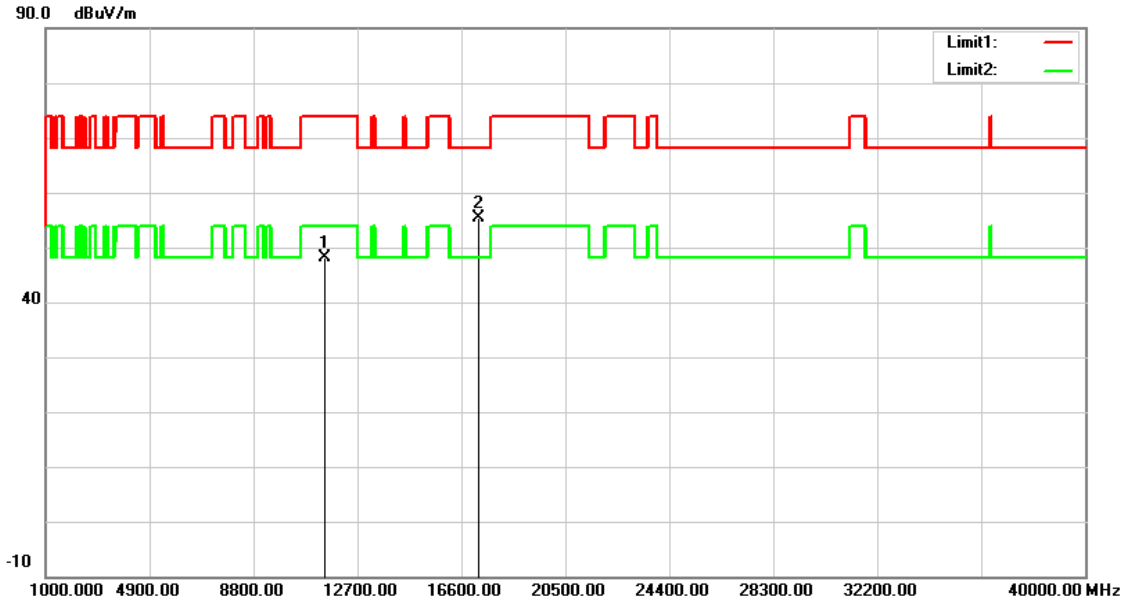
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11400.000	38.22	12.98	51.20	74.00	-22.80	peak
2	17100.000	34.21	20.63	54.84	68.20	-13.36	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5745 MHz		
Mode:	802.11a		
Ant.Polar.:	Horizontal		



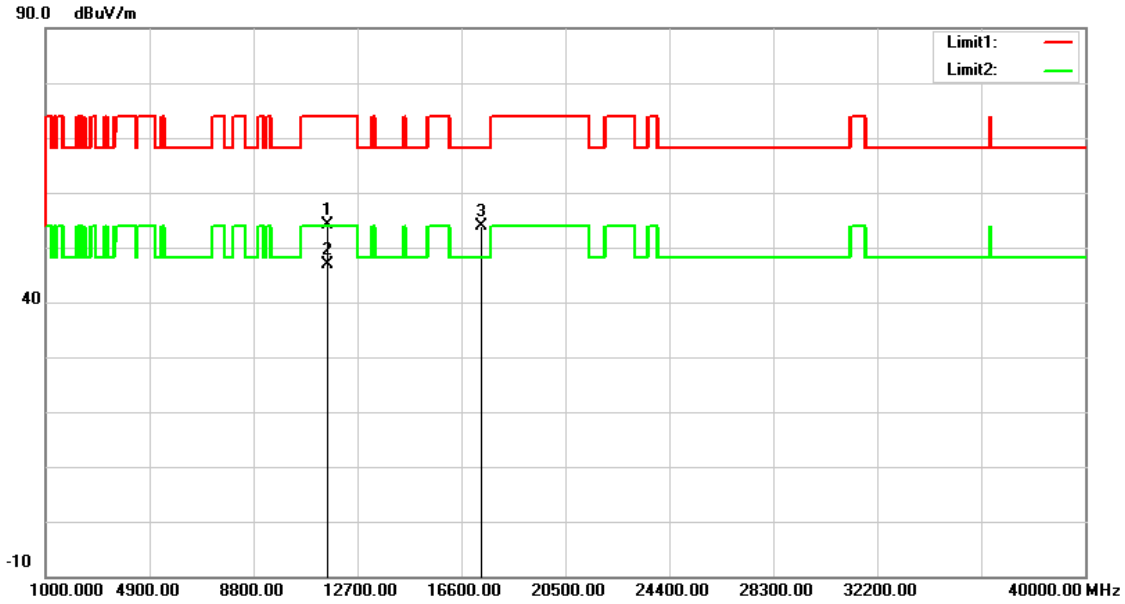
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	40.56	13.10	53.66	74.00	-20.34	peak
2	11490.000	33.07	13.10	46.17	54.00	-7.83	AVG
3	17235.000	36.84	20.69	57.53	68.20	-10.67	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5745 MHz		
Mode:	802.11a		
Ant.Polar.:	Vertical		



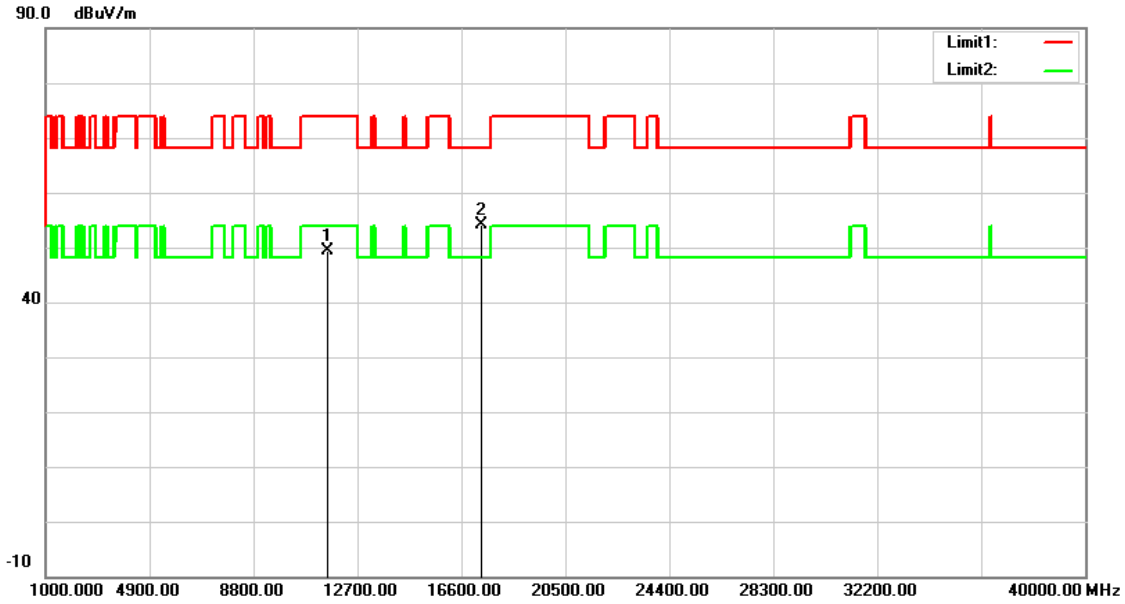
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	35.05	13.10	48.15	74.00	-25.85	peak
2	17235.000	34.76	20.69	55.45	68.20	-12.75	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5785 MHz		
Mode:	802.11a		
Ant.Polar.:	Horizontal		



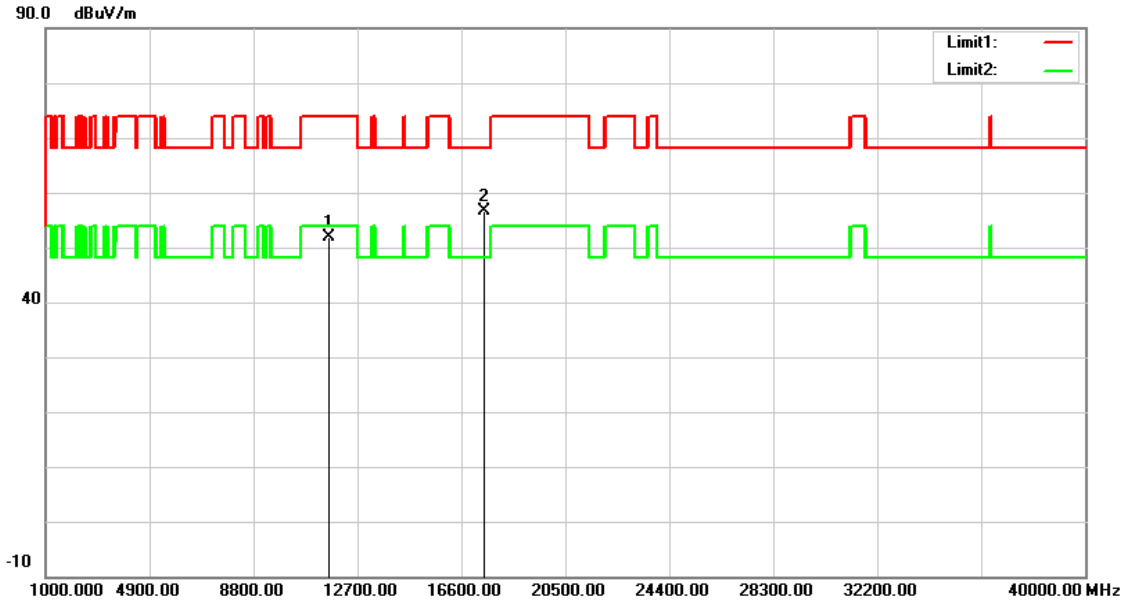
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	40.87	13.22	54.09	74.00	-19.91	peak
2	11570.000	33.68	13.22	46.90	54.00	-7.10	AVG
3	17355.000	33.20	20.73	53.93	68.20	-14.27	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5785 MHz		
Mode:	802.11a		
Ant.Polar.:	Vertical		



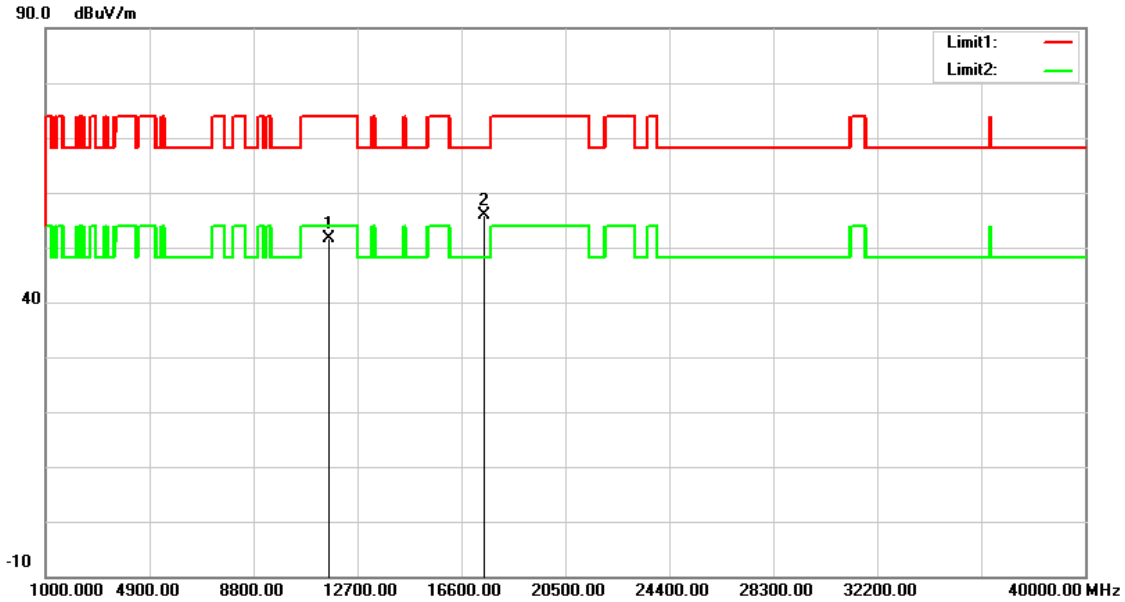
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	36.24	13.22	49.46	74.00	-24.54	peak
2	17355.000	33.28	20.73	54.01	68.20	-14.19	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5825 MHz		
Mode:	802.11a		
Ant.Polar.:	Horizontal		



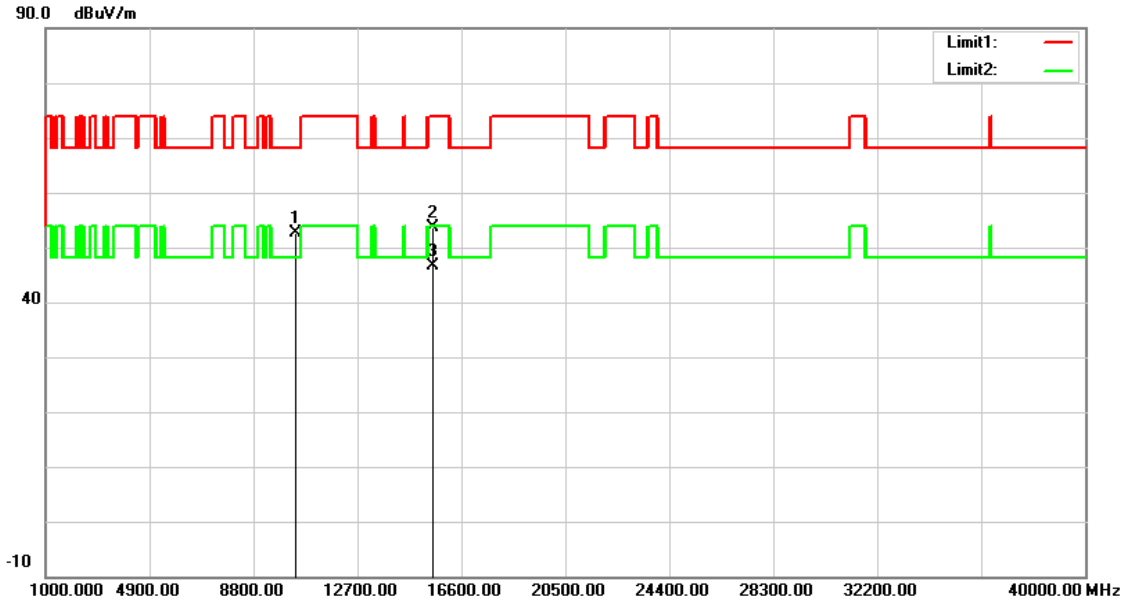
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	38.62	13.35	51.97	74.00	-22.03	peak
2	17475.000	35.96	20.77	56.73	68.20	-11.47	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5825 MHz		
Mode:	802.11a		
Ant.Polar.:	Vertical		



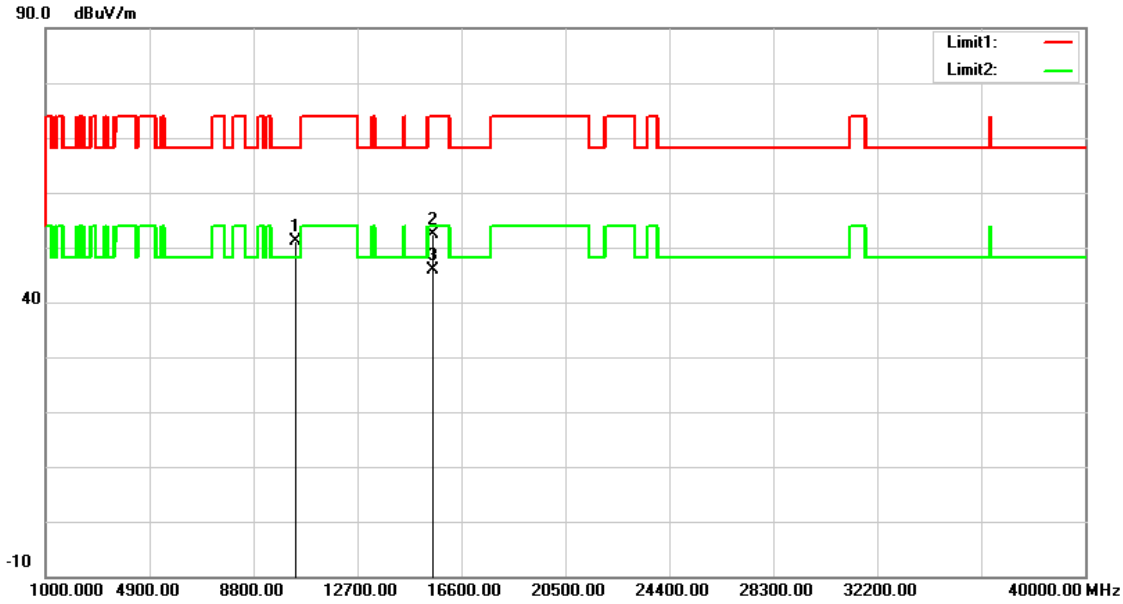
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	38.17	13.35	51.52	74.00	-22.48	peak
2	17475.000	35.14	20.77	55.91	68.20	-12.29	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5180 MHz		
Mode:	802.11ax HE20		
Ant.Polar.:	Horizontal		



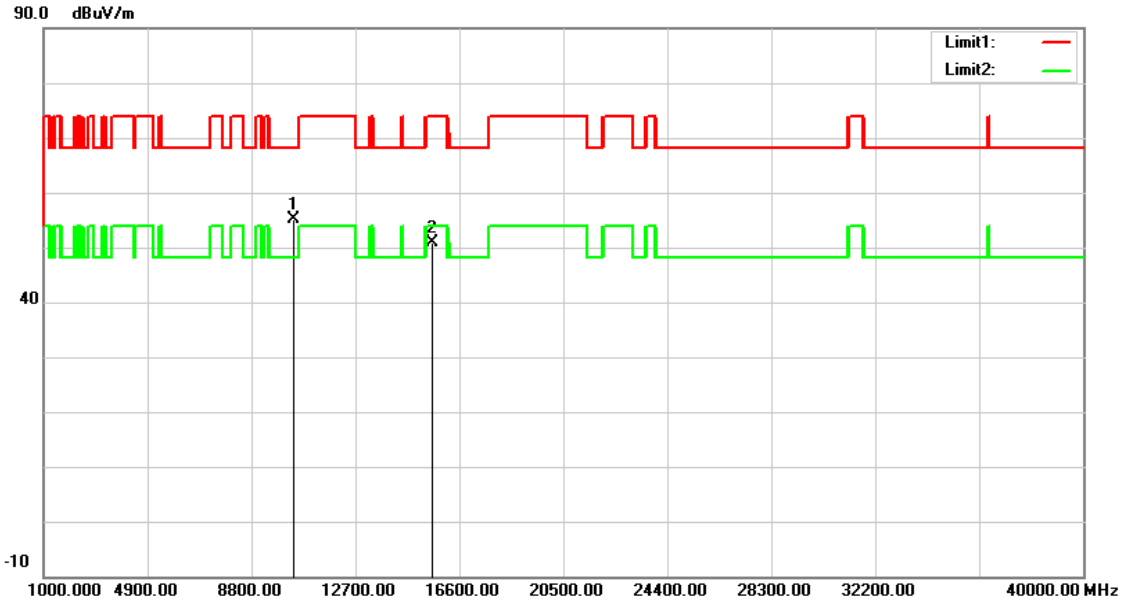
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	40.63	11.99	52.62	68.20	-15.58	peak
2	15540.000	35.88	17.76	53.64	74.00	-20.36	peak
3	15540.000	28.84	17.76	46.60	54.00	-7.40	AVG

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5180 MHz		
Mode:	802.11ax HE20		
Ant.Polar.:	Vertical		



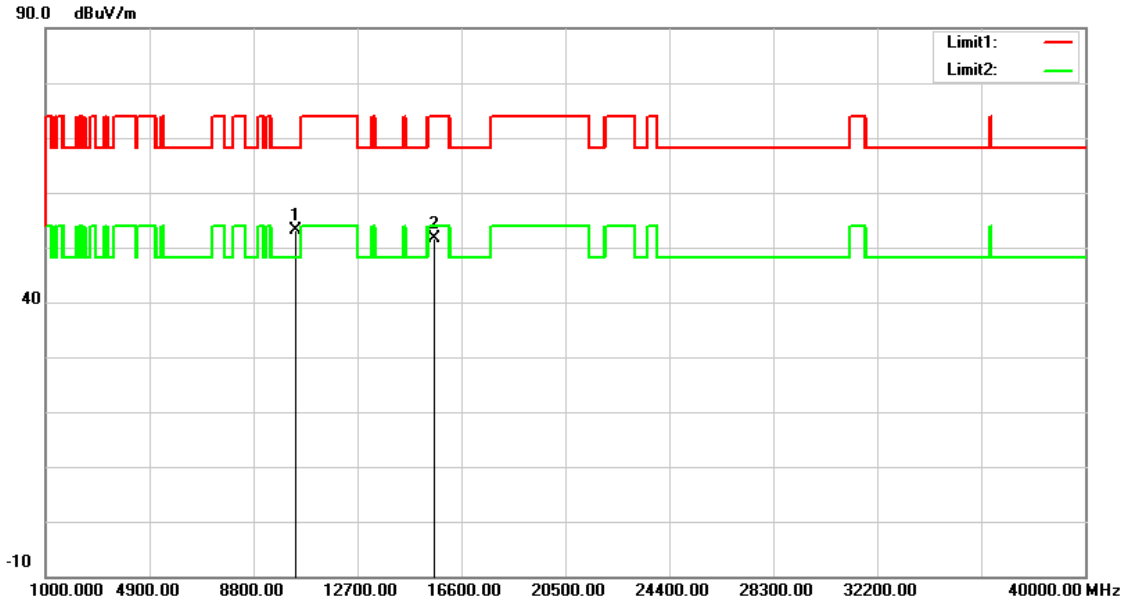
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	39.20	11.99	51.19	68.20	-17.01	peak
2	15540.000	34.59	17.76	52.35	74.00	-21.65	peak
3	15540.000	28.10	17.76	45.86	54.00	-8.14	AVG

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5200 MHz		
Mode:	802.11ax HE20		
Ant.Polar.:	Horizontal		



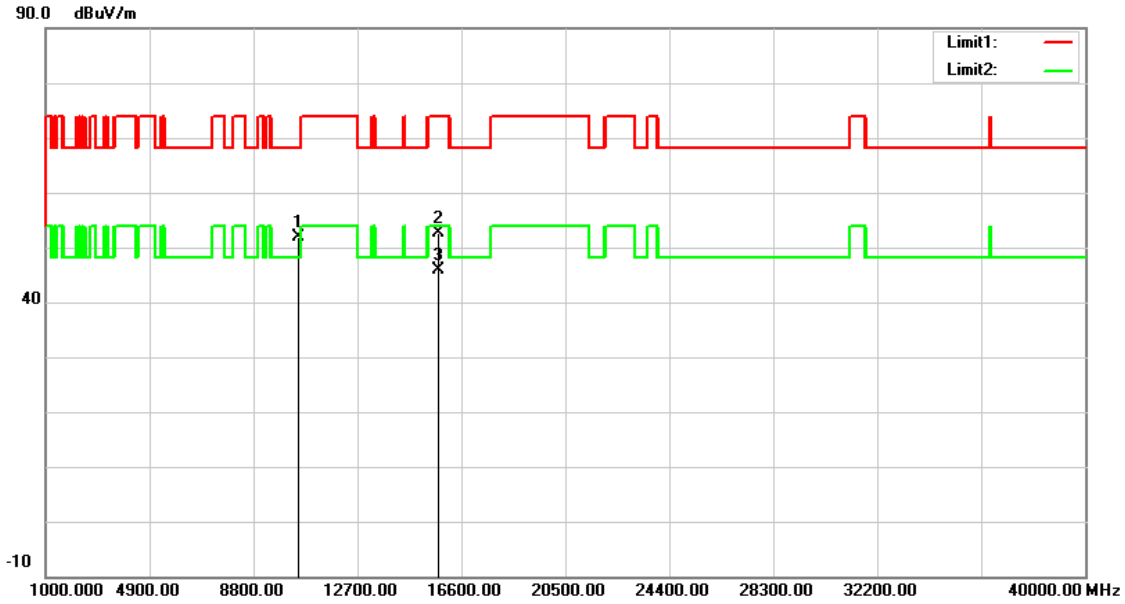
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	43.09	12.02	55.11	68.20	-13.09	peak
2	15600.000	33.26	17.71	50.97	74.00	-23.03	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5200 MHz		
Mode:	802.11ax HE20		
Ant.Polar.:	Vertical		



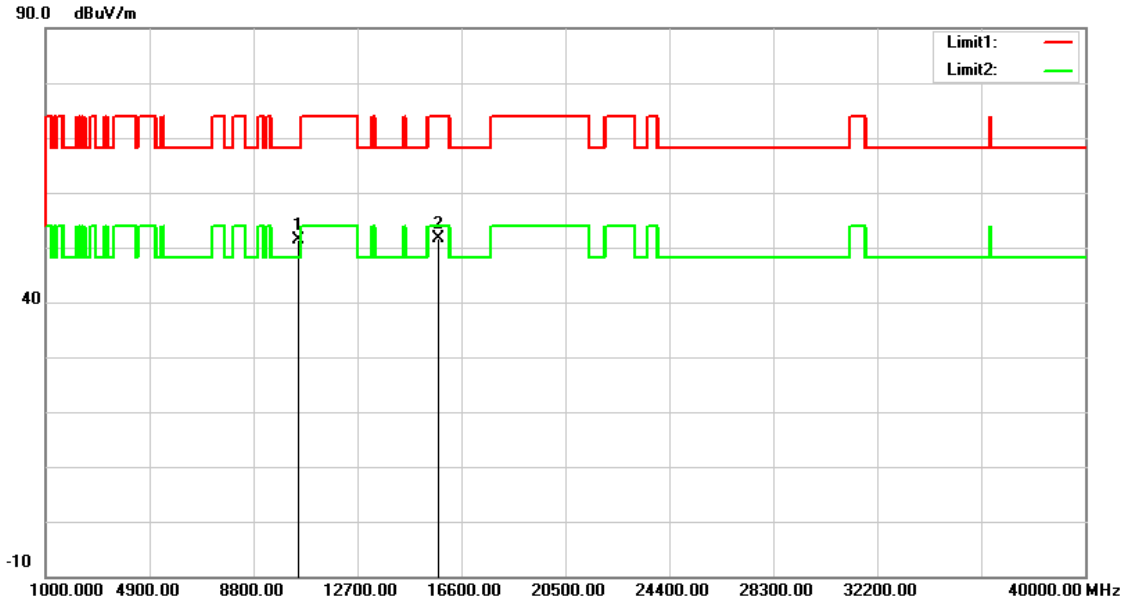
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	41.11	12.02	53.13	68.20	-15.07	peak
2	15600.000	34.02	17.71	51.73	74.00	-22.27	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5240 MHz		
Mode:	802.11ax HE20		
Ant.Polar.:	Horizontal		



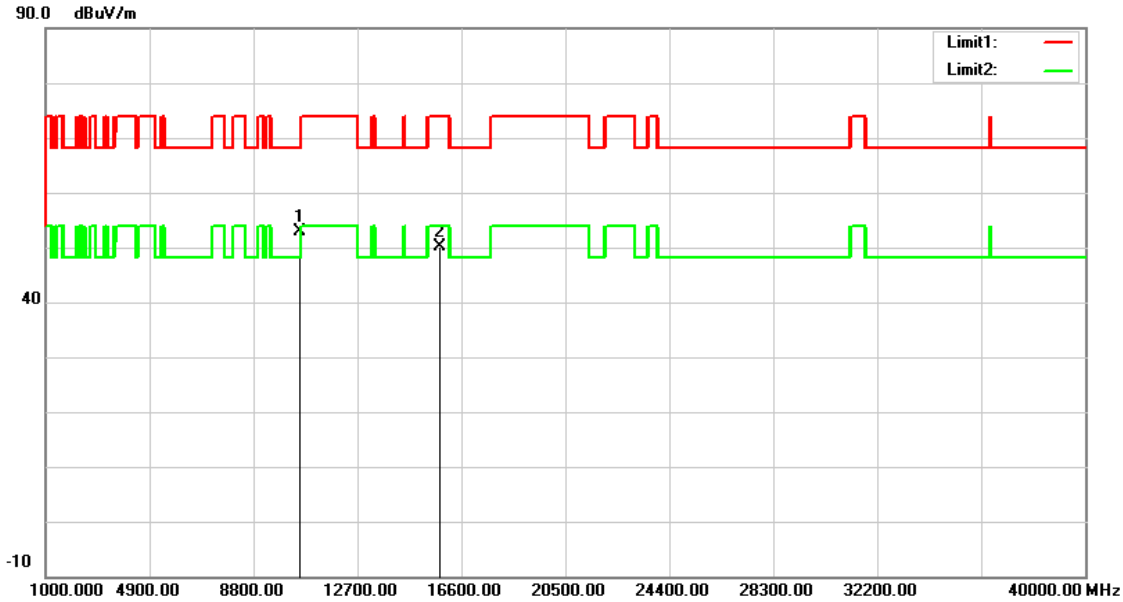
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	39.79	12.07	51.86	68.20	-16.34	peak
2	15720.000	34.91	17.62	52.53	74.00	-21.47	peak
3	15720.000	28.19	17.62	45.81	54.00	-8.19	AVG

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5240 MHz		
Mode:	802.11ax HE20		
Ant.Polar.:	Vertical		



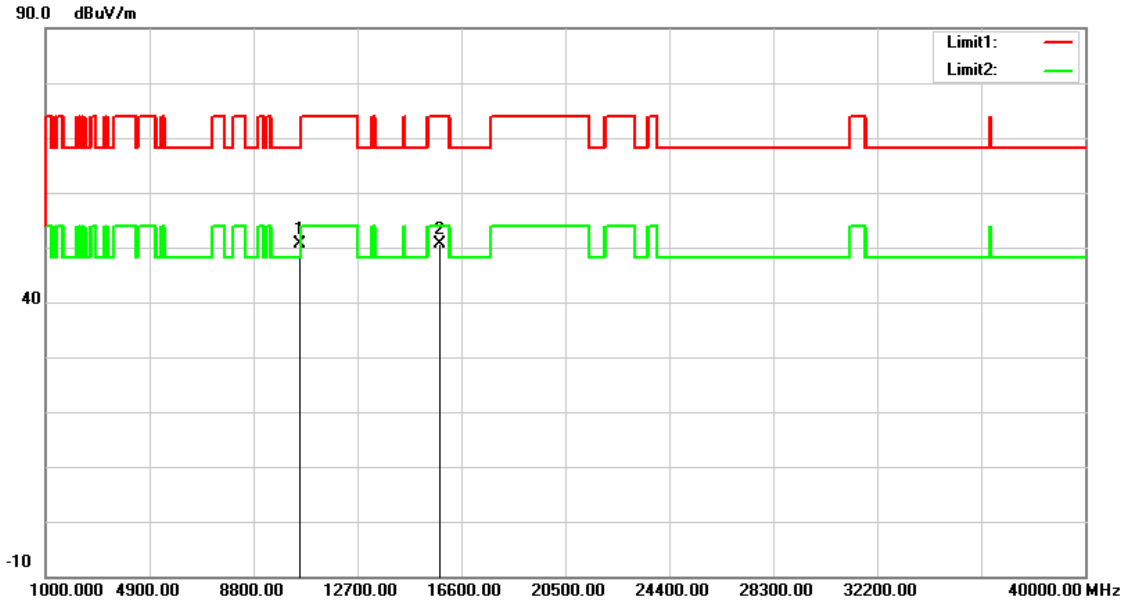
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	39.38	12.07	51.45	68.20	-16.75	peak
2	15720.000	33.95	17.62	51.57	74.00	-22.43	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5260 MHz		
Mode:	802.11ax HE20		
Ant.Polar.:	Horizontal		



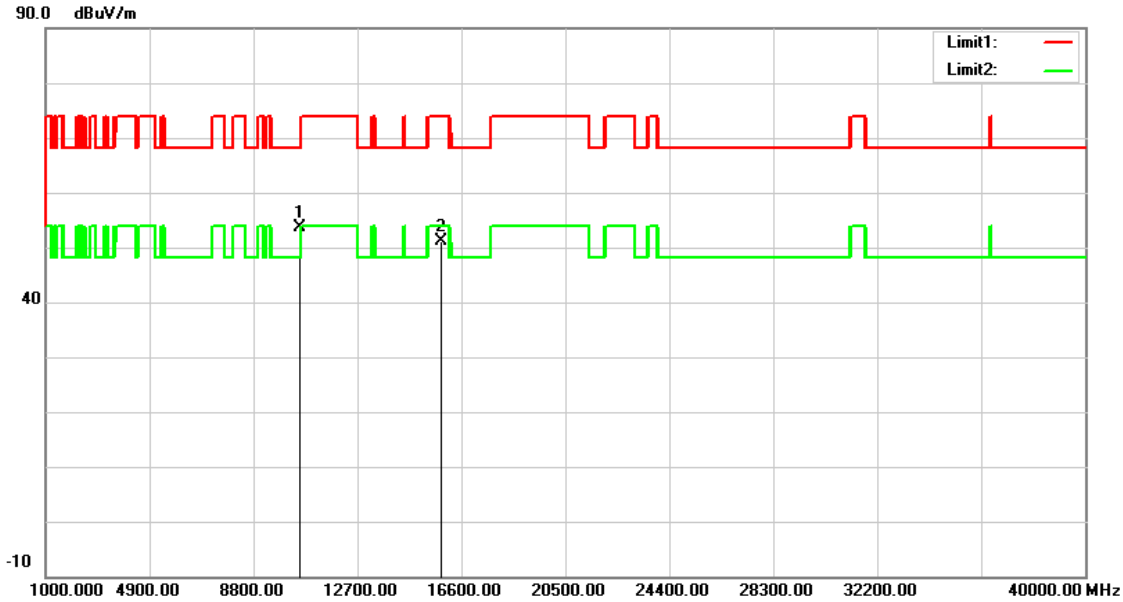
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10520.000	40.79	12.11	52.90	68.20	-15.30	peak
2	15780.000	32.54	17.58	50.12	74.00	-23.88	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5260 MHz		
Mode:	802.11ax HE20		
Ant.Polar.:	Vertical		



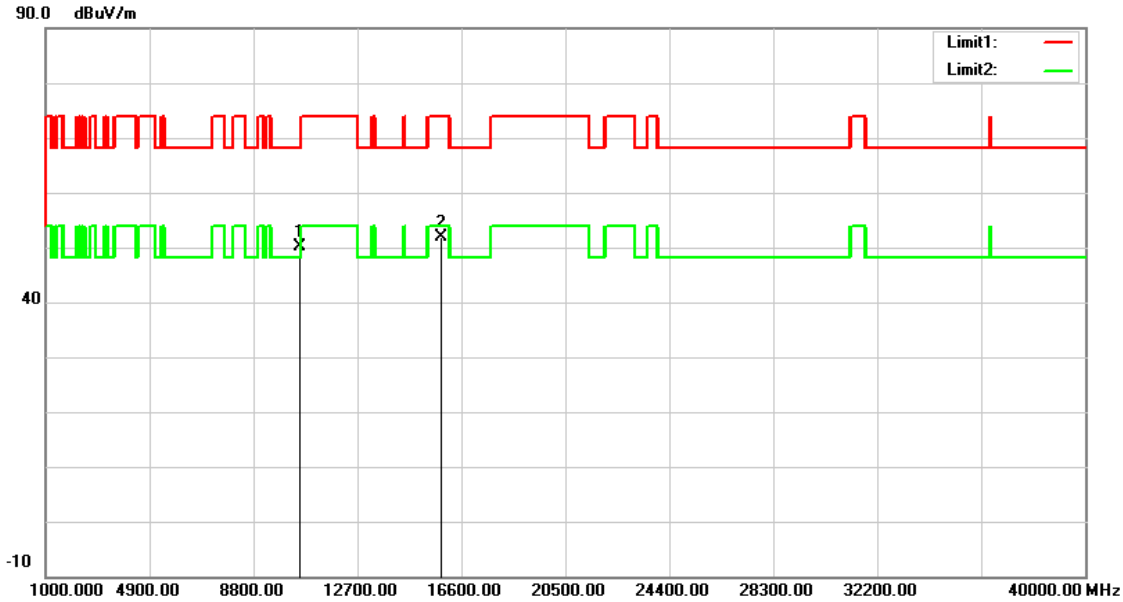
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10520.000	38.63	12.11	50.74	68.20	-17.46	peak
2	15780.000	33.17	17.58	50.75	74.00	-23.25	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5280 MHz		
Mode:	802.11ax HE20		
Ant.Polar.:	Horizontal		



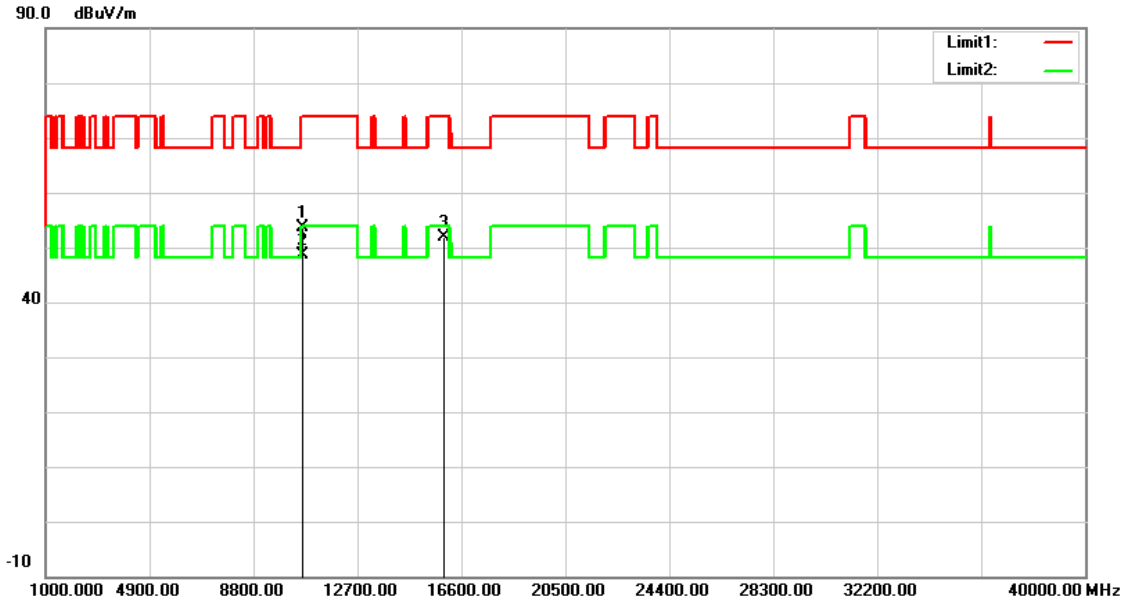
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10560.000	41.48	12.14	53.62	68.20	-14.58	peak
2	15840.000	33.50	17.53	51.03	74.00	-22.97	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5280 MHz		
Mode:	802.11ax HE20		
Ant.Polar.:	Vertical		



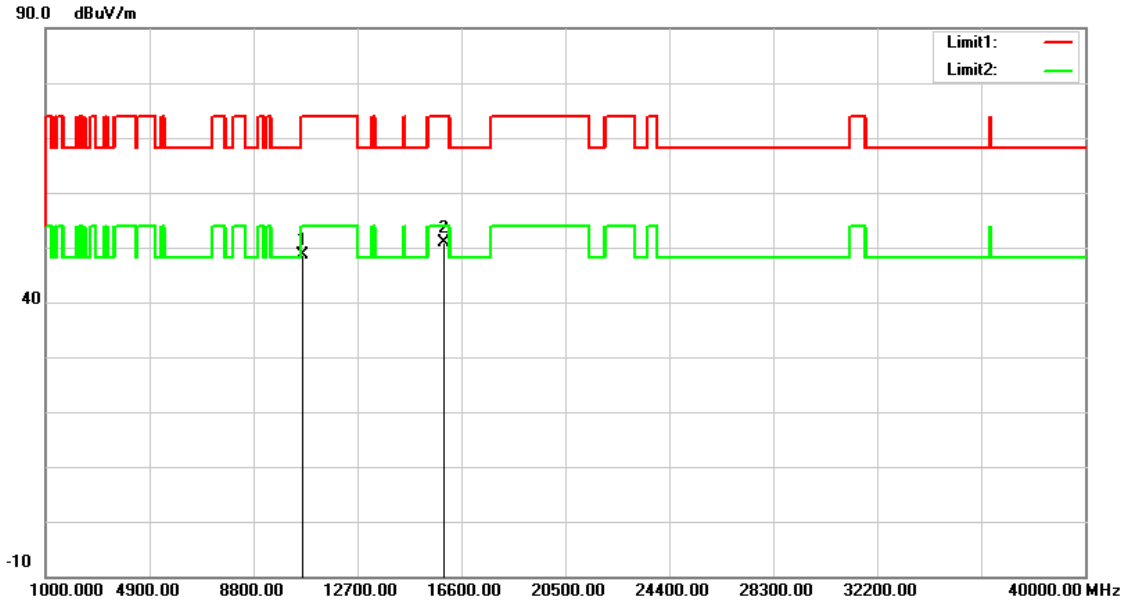
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10560.000	38.07	12.14	50.21	68.20	-17.99	peak
2	15840.000	34.43	17.53	51.96	74.00	-22.04	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5320 MHz		
Mode:	802.11ax HE20		
Ant.Polar.:	Horizontal		



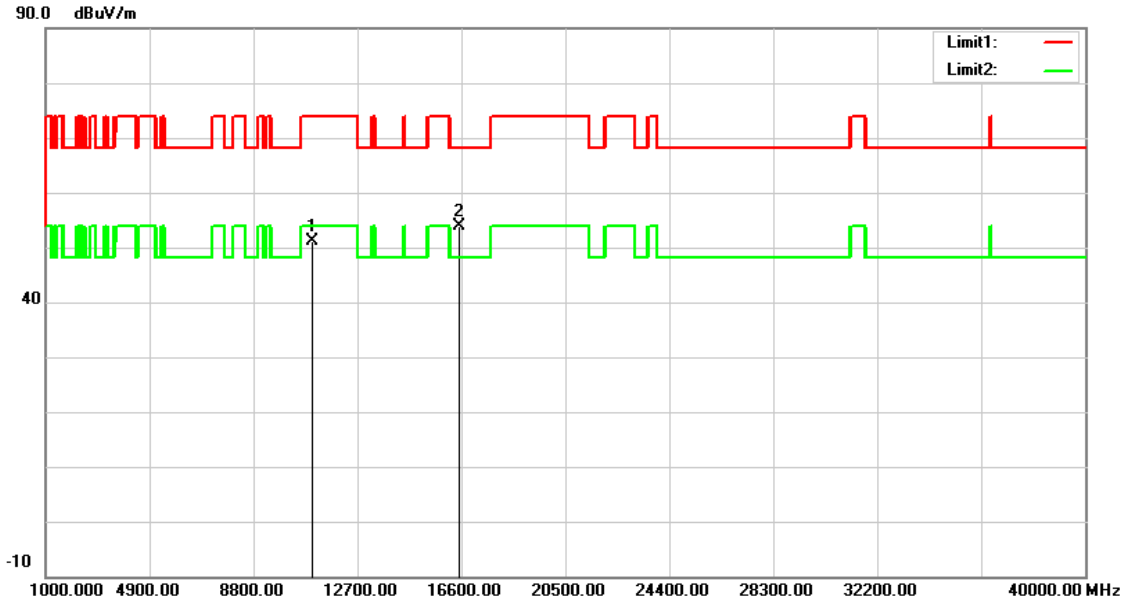
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10640.000	41.41	12.20	53.61	74.00	-20.39	peak
2	10640.000	36.38	12.20	48.58	54.00	-5.42	AVG
3	15960.000	34.54	17.44	51.98	74.00	-22.02	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5320 MHz		
Mode:	802.11ax HE20		
Ant.Polar.:	Vertical		



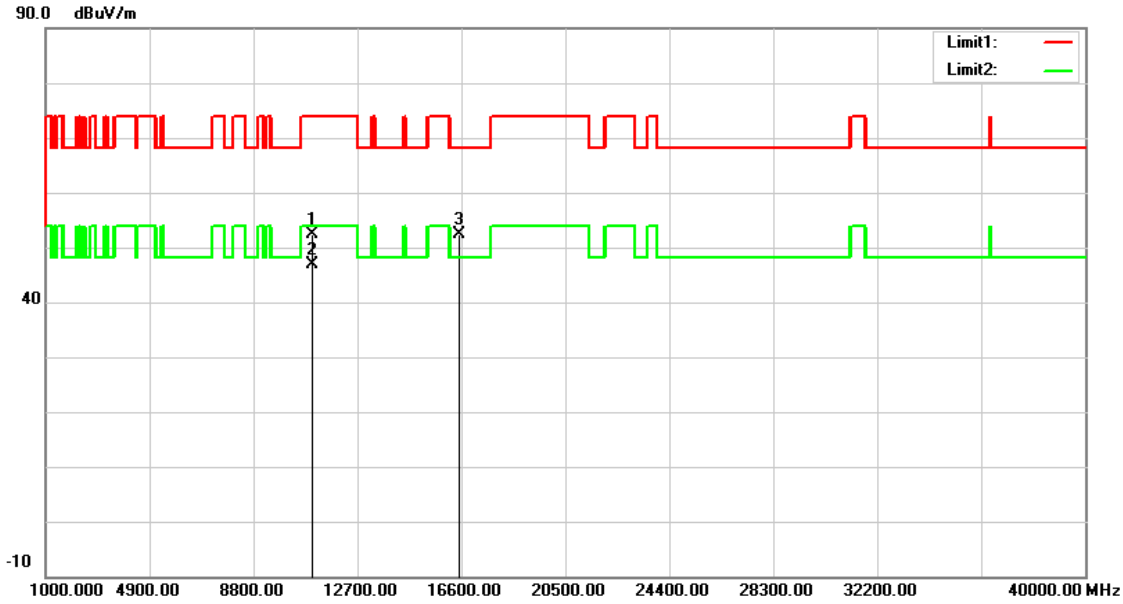
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10640.000	36.50	12.20	48.70	74.00	-25.30	peak
2	15960.000	33.49	17.44	50.93	74.00	-23.07	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5500 MHz		
Mode:	802.11ax HE20		
Ant.Polar.:	Horizontal		



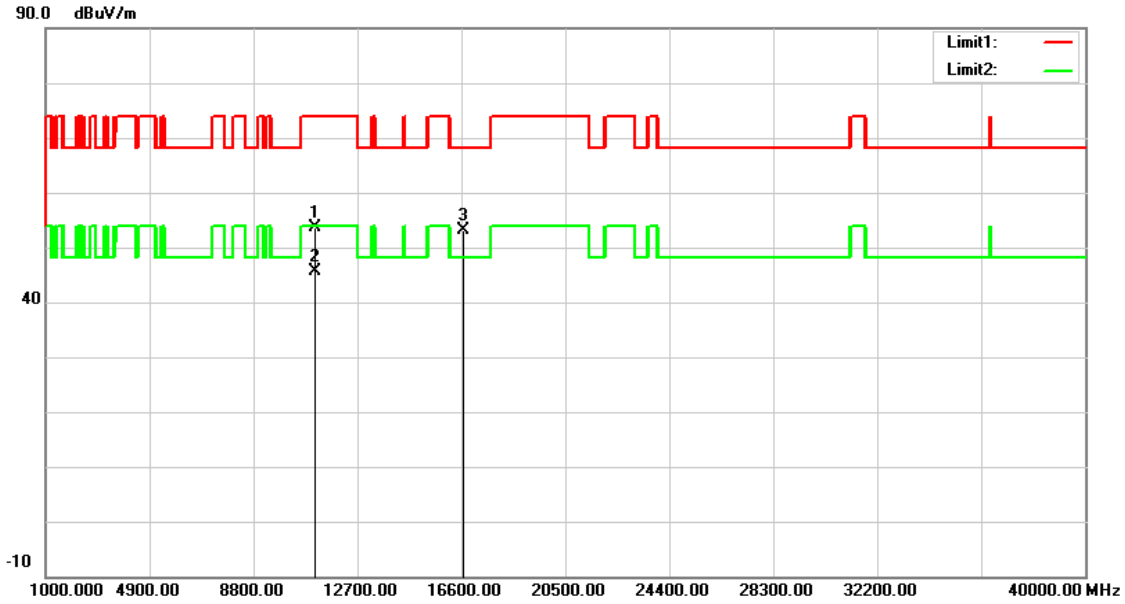
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11000.000	38.72	12.47	51.19	74.00	-22.81	peak
2	16500.000	35.22	18.63	53.85	68.20	-14.35	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5500 MHz		
Mode:	802.11ax HE20		
Ant.Polar.:	Vertical		



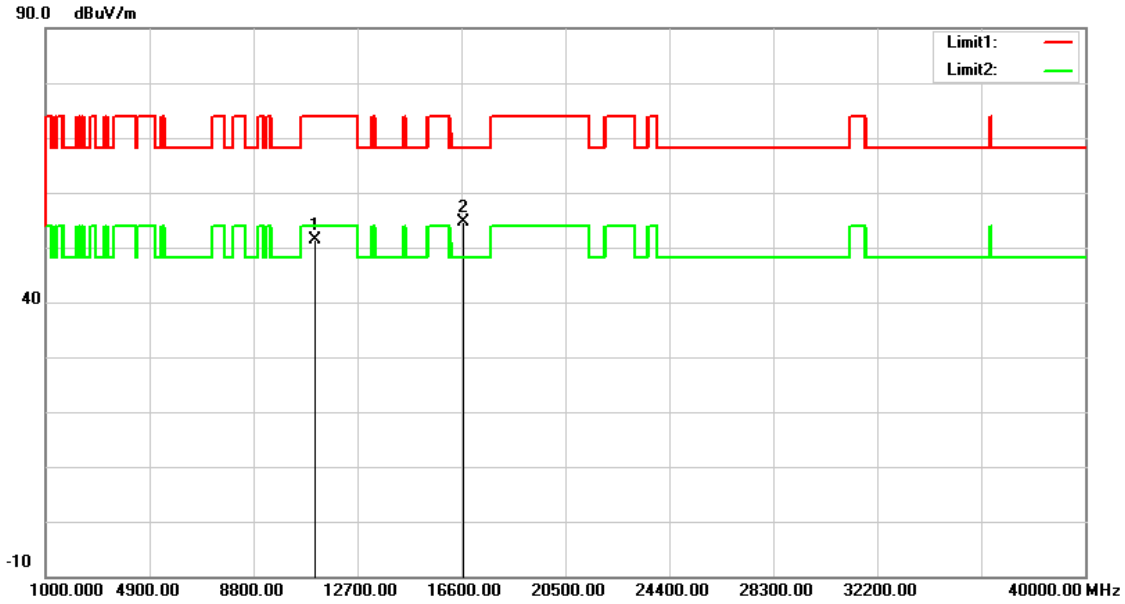
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11000.000	39.86	12.47	52.33	74.00	-21.67	peak
2	11000.000	34.30	12.47	46.77	54.00	-7.23	AVG
3	16500.000	33.76	18.63	52.39	68.20	-15.81	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5560 MHz		
Mode:	802.11ax HE20		
Ant.Polar.:	Horizontal		



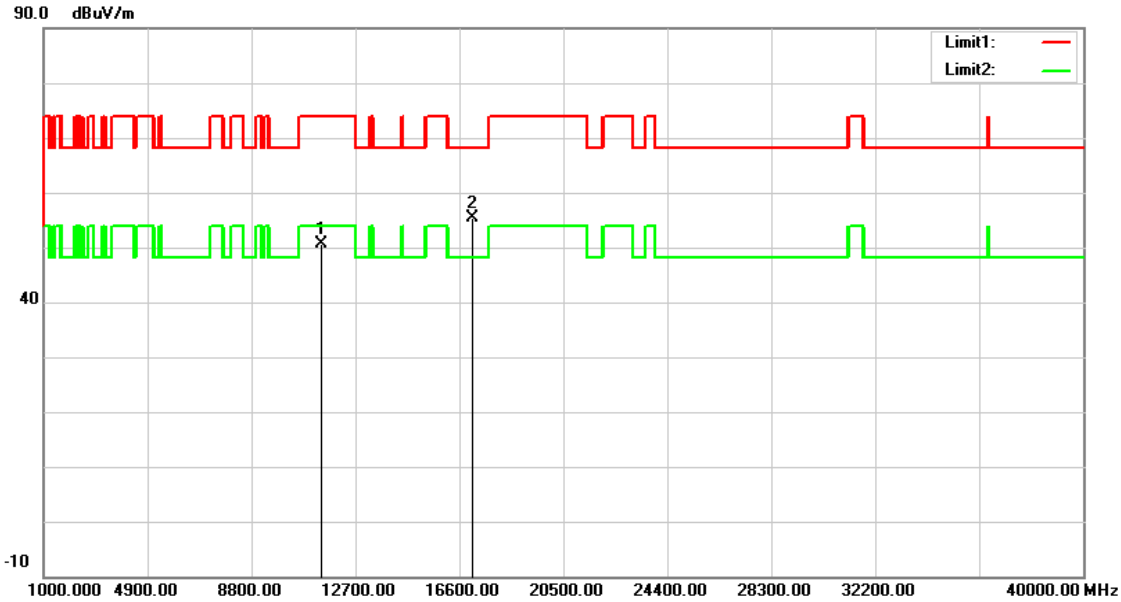
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11120.000	40.99	12.62	53.61	74.00	-20.39	peak
2	11120.000	33.09	12.62	45.71	54.00	-8.29	AVG
3	16680.000	33.75	19.34	53.09	68.20	-15.11	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5560 MHz		
Mode:	802.11ax HE20		
Ant.Polar.:	Vertical		



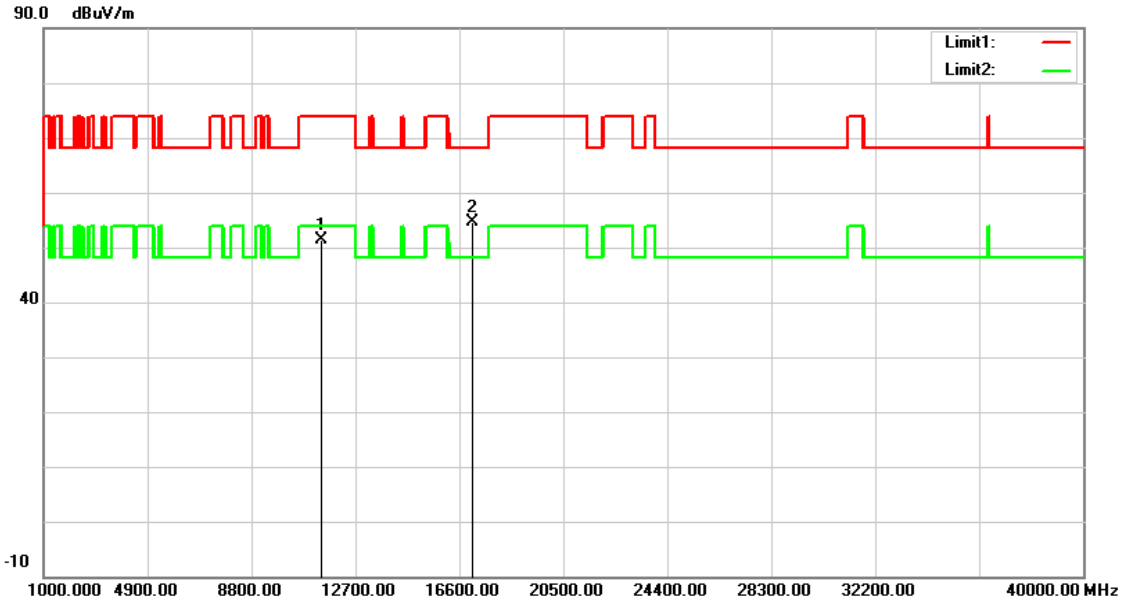
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11120.000	38.73	12.62	51.35	74.00	-22.65	peak
2	16680.000	35.28	19.34	54.62	68.20	-13.58	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5700 MHz		
Mode:	802.11ax HE20		
Ant.Polar.:	Horizontal		



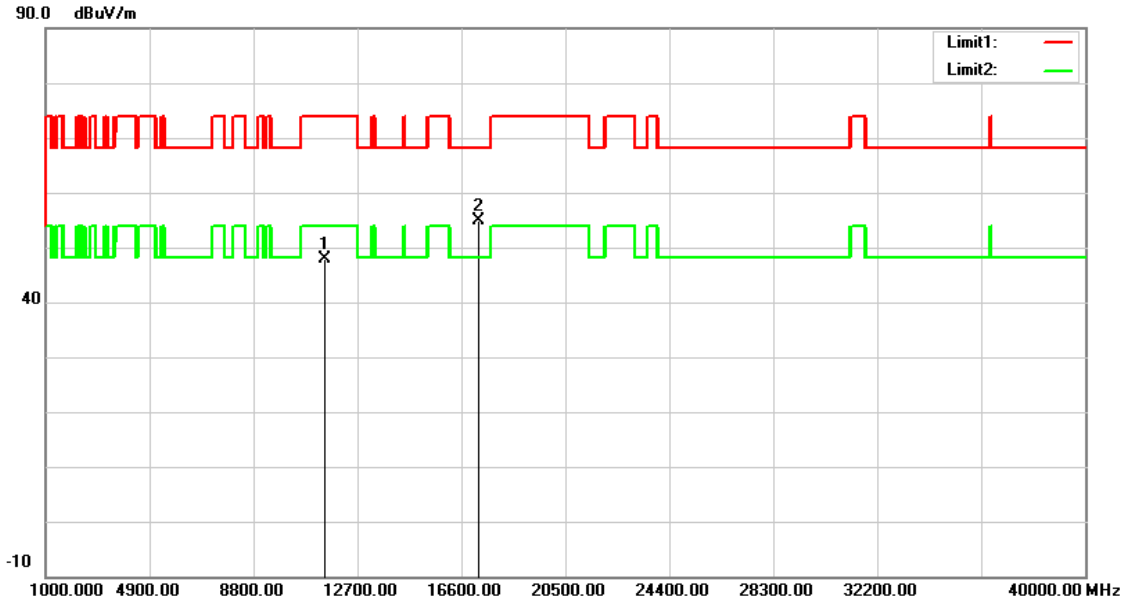
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11400.000	37.58	12.98	50.56	74.00	-23.44	peak
2	17100.000	34.81	20.63	55.44	68.20	-12.76	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5700 MHz		
Mode:	802.11ax HE20		
Ant.Polar.:	Vertical		



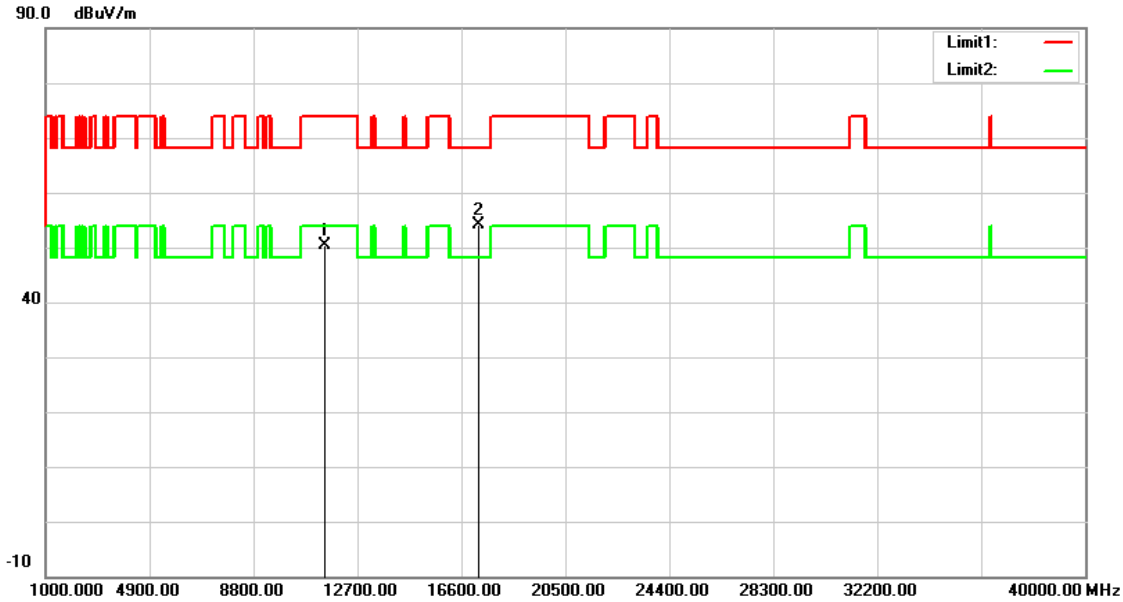
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11400.000	38.29	12.98	51.27	74.00	-22.73	peak
2	17100.000	33.88	20.63	54.51	68.20	-13.69	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5745 MHz		
Mode:	802.11ax HE20		
Ant.Polar.:	Horizontal		



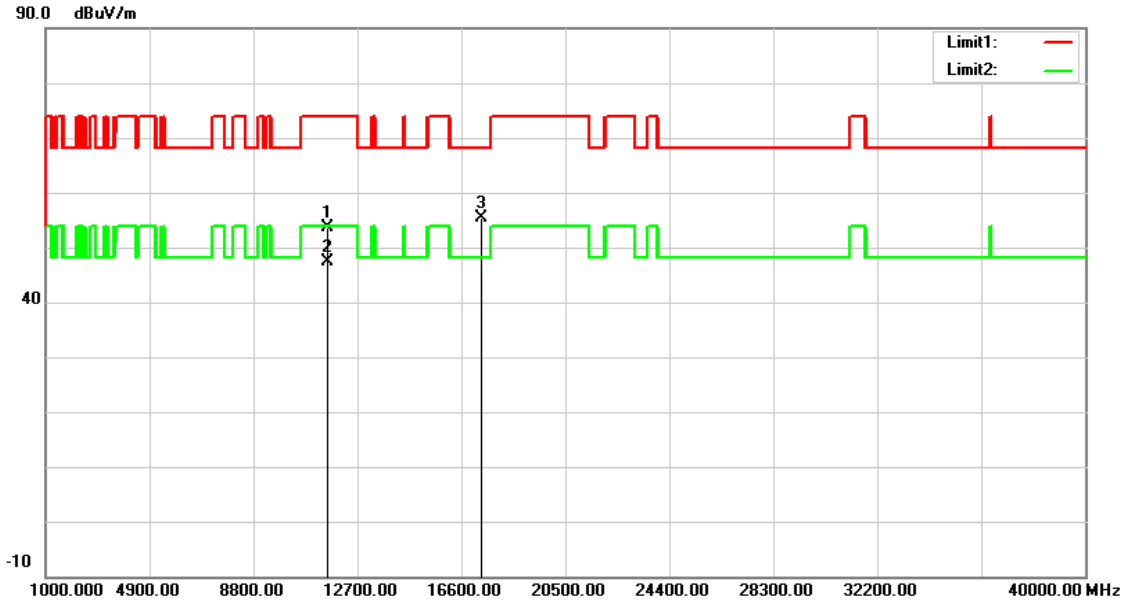
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	34.75	13.10	47.85	74.00	-26.15	peak
2	17235.000	34.09	20.69	54.78	68.20	-13.42	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5745 MHz		
Mode:	802.11ax HE20		
Ant.Polar.:	Vertical		



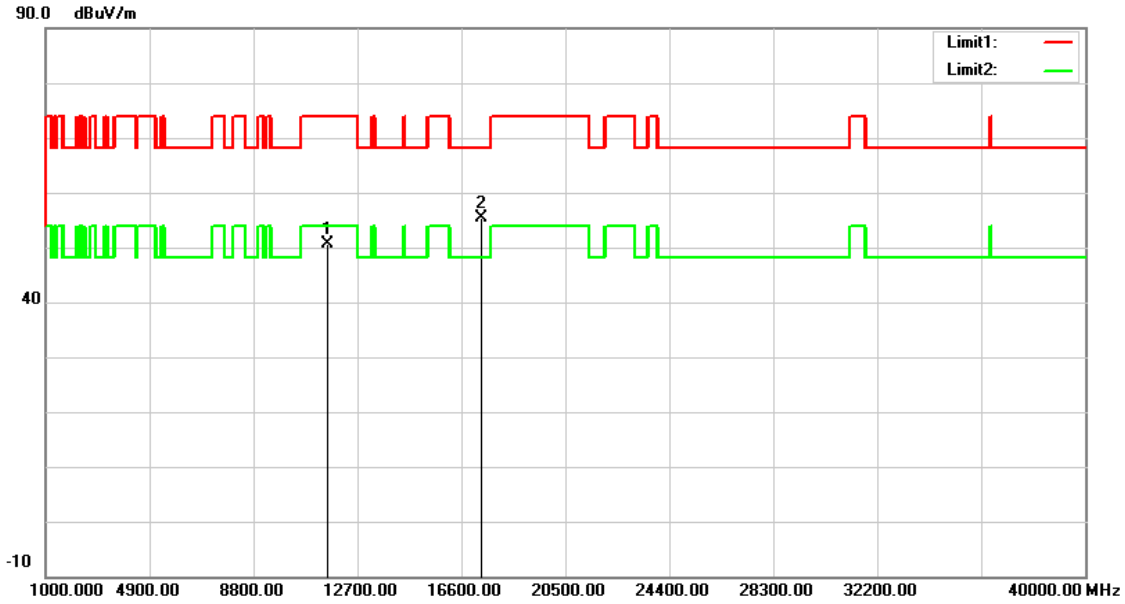
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	37.39	13.10	50.49	74.00	-23.51	peak
2	17235.000	33.35	20.69	54.04	68.20	-14.16	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5785 MHz		
Mode:	802.11ax HE20		
Ant.Polar.:	Horizontal		



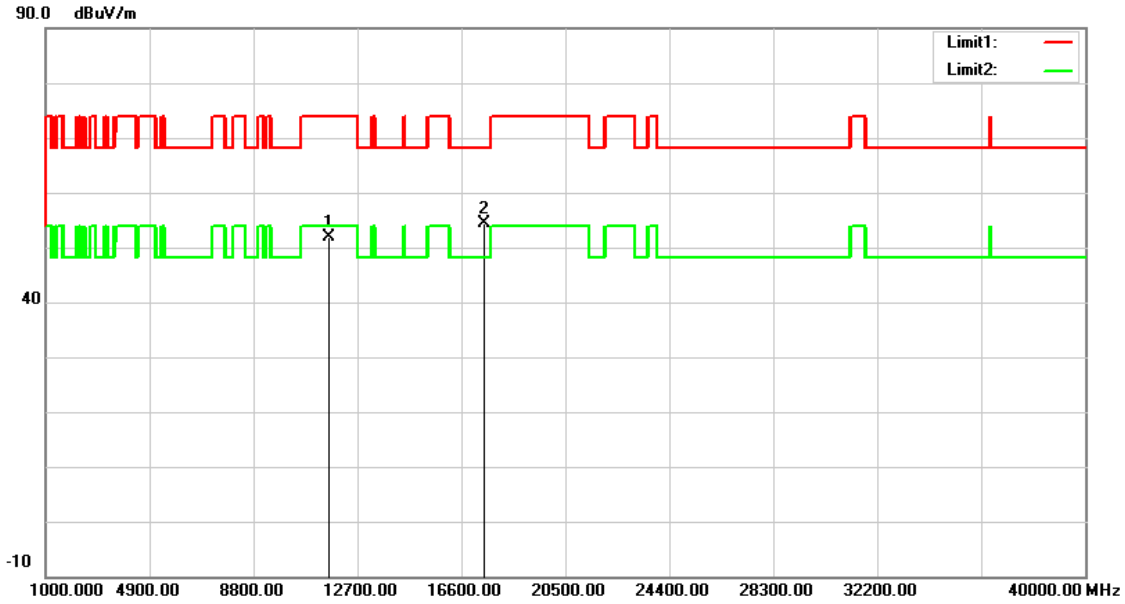
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	40.36	13.22	53.58	74.00	-20.42	peak
2	11570.000	34.07	13.22	47.29	54.00	-6.71	AVG
3	17355.000	34.60	20.73	55.33	68.20	-12.87	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5785 MHz		
Mode:	802.11ax HE20		
Ant.Polar.:	Vertical		



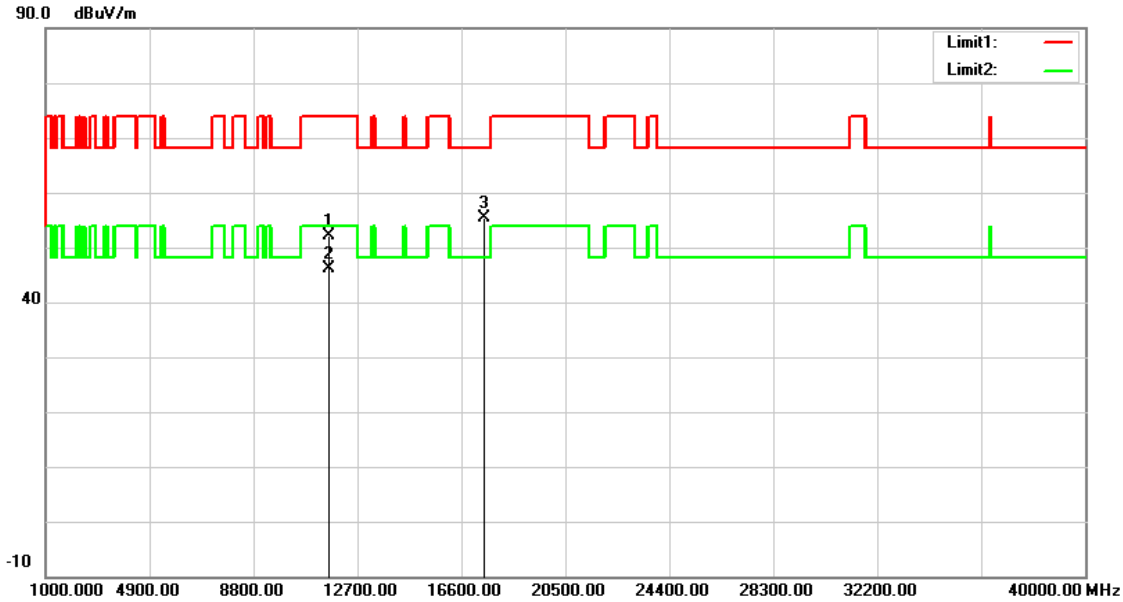
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	37.48	13.22	50.70	74.00	-23.30	peak
2	17355.000	34.68	20.73	55.41	68.20	-12.79	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5825 MHz		
Mode:	802.11ax HE20		
Ant.Polar.:	Horizontal		



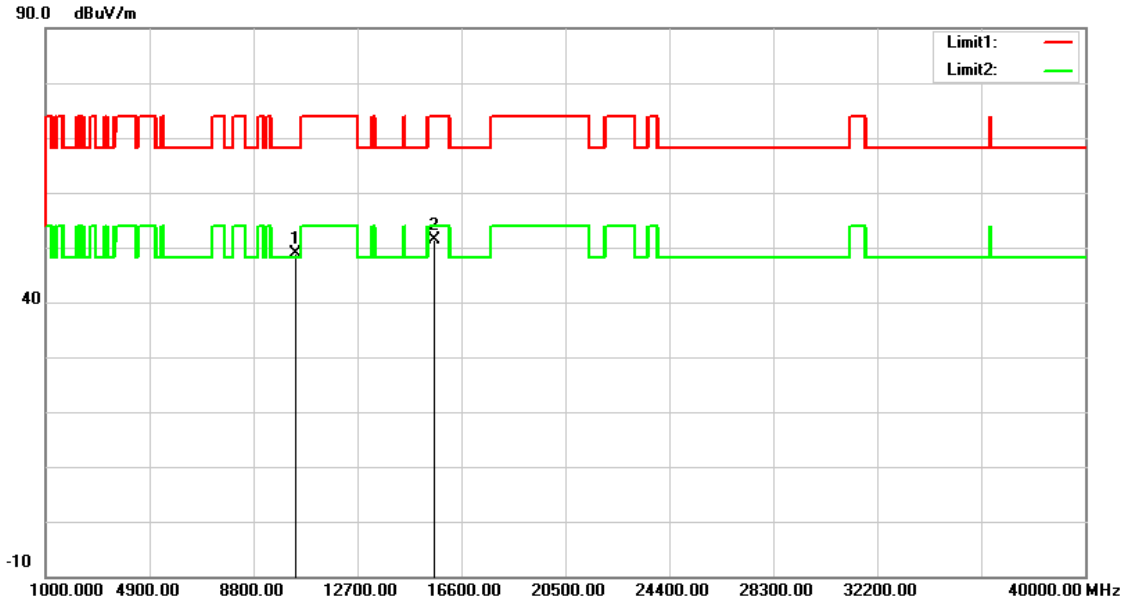
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	38.65	13.35	52.00	74.00	-22.00	peak
2	17475.000	33.67	20.77	54.44	68.20	-13.76	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5825 MHz		
Mode:	802.11ax HE20		
Ant.Polar.:	Vertical		



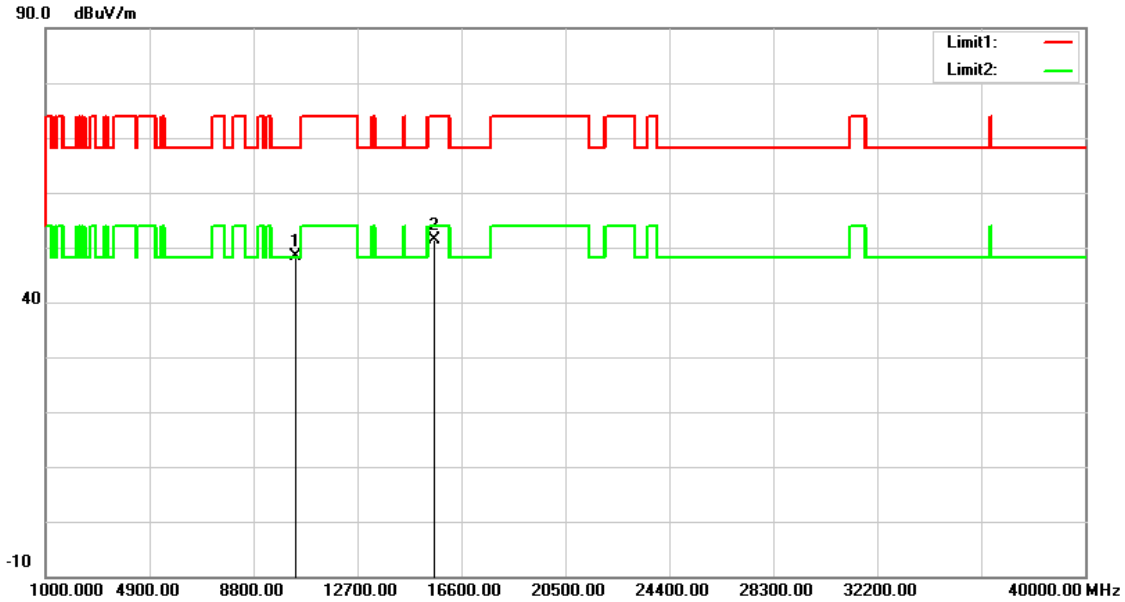
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	38.72	13.35	52.07	74.00	-21.93	peak
2	11650.000	32.85	13.35	46.20	54.00	-7.80	AVG
3	17475.000	34.50	20.77	55.27	68.20	-12.93	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5190 MHz		
Mode:	802.11ax HE40		
Ant.Polar.:	Horizontal		



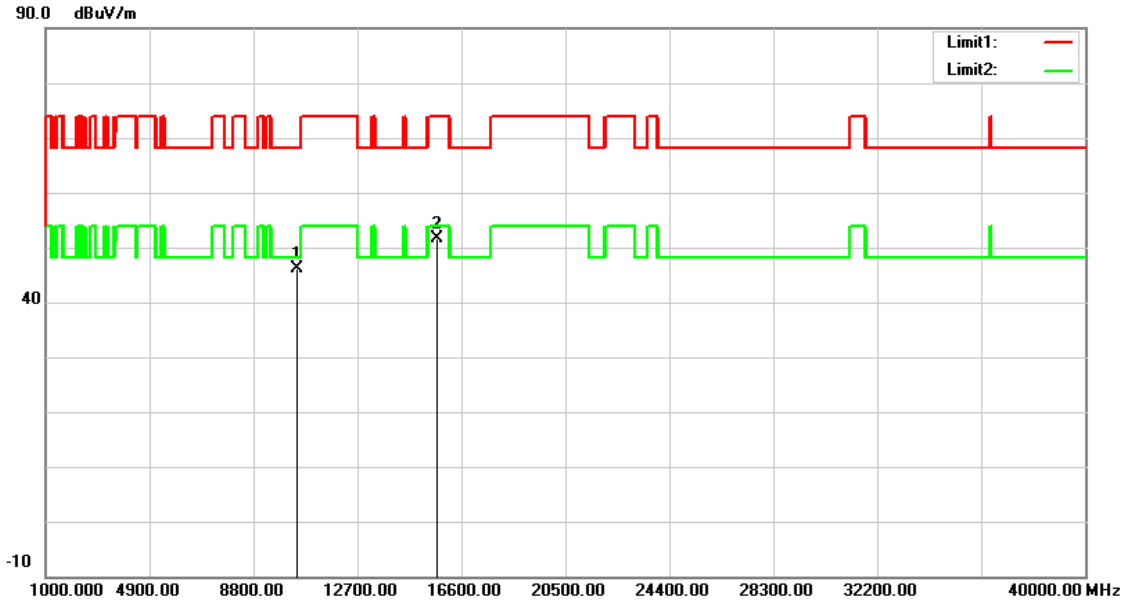
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10380.000	36.90	12.01	48.91	68.20	-19.29	peak
2	15570.000	33.59	17.74	51.33	74.00	-22.67	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5190 MHz		
Mode:	802.11ax HE40		
Ant.Polar.:	Vertical		



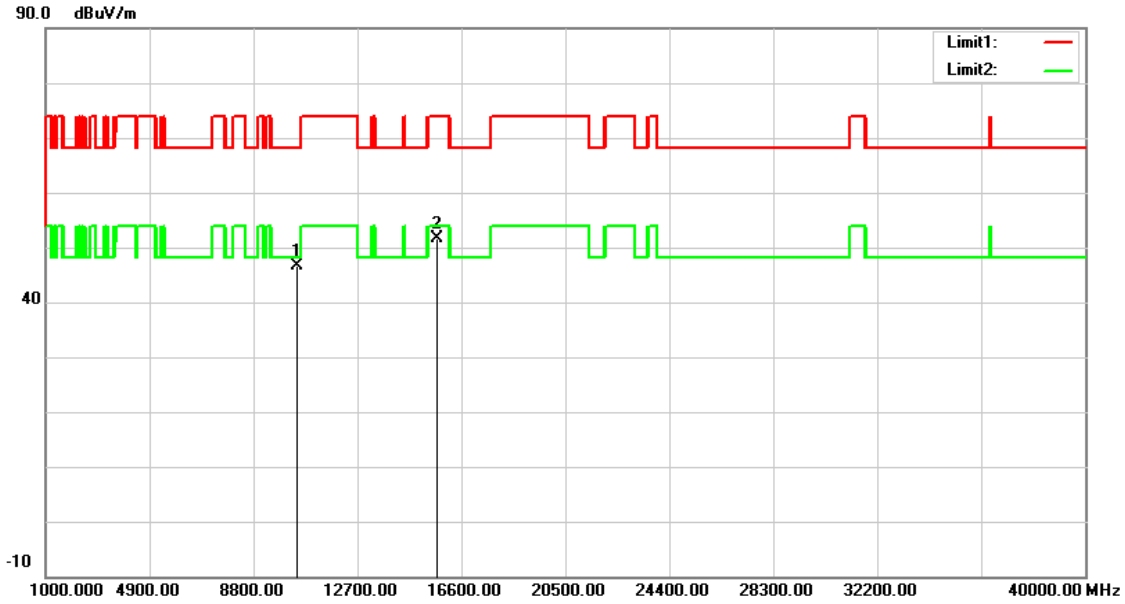
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10380.000	36.39	12.01	48.40	68.20	-19.80	peak
2	15570.000	33.57	17.74	51.31	74.00	-22.69	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5230 MHz		
Mode:	802.11ax HE40		
Ant.Polar.:	Horizontal		



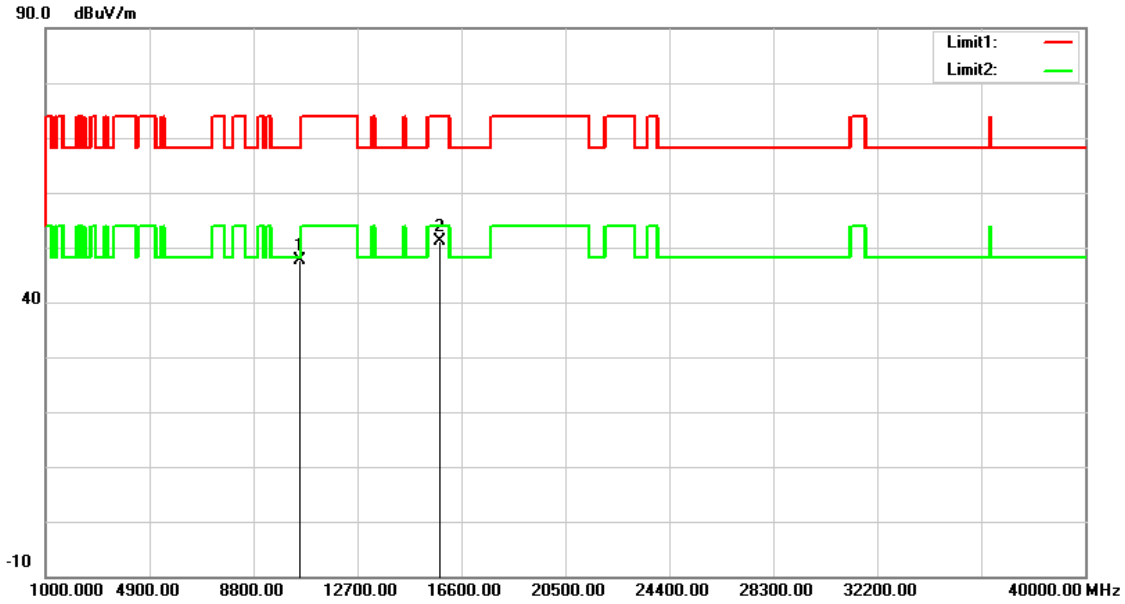
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10460.000	34.06	12.07	46.13	68.20	-22.07	peak
2	15690.000	34.02	17.64	51.66	74.00	-22.34	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5230 MHz		
Mode:	802.11ax HE40		
Ant.Polar.:	Vertical		



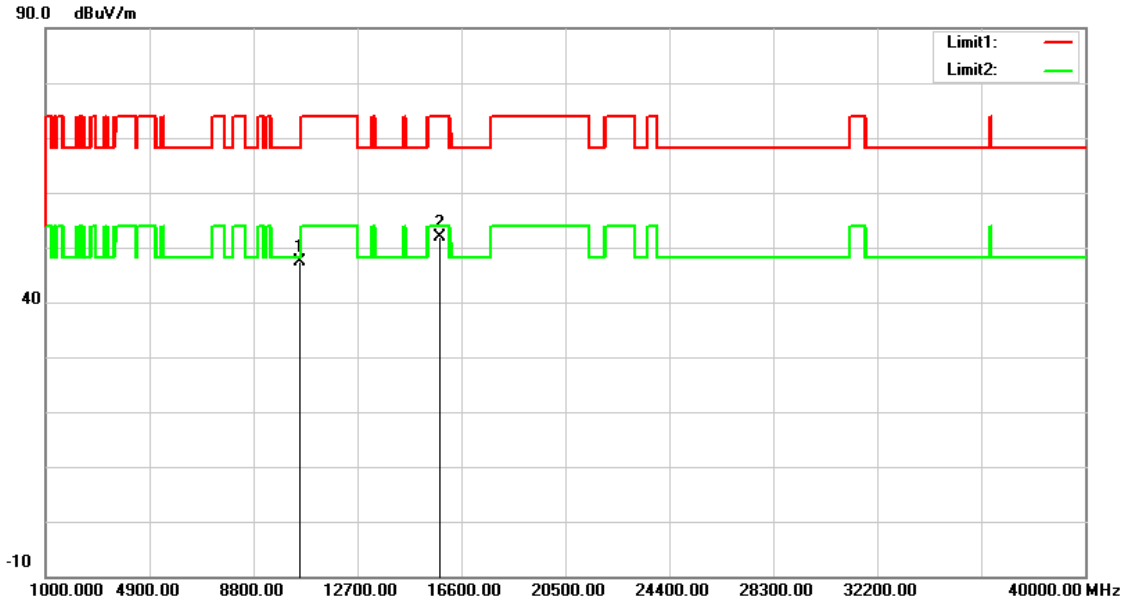
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10460.000	34.68	12.07	46.75	68.20	-21.45	peak
2	15690.000	34.01	17.64	51.65	74.00	-22.35	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5270 MHz		
Mode:	802.11ax HE40		
Ant.Polar.:	Horizontal		



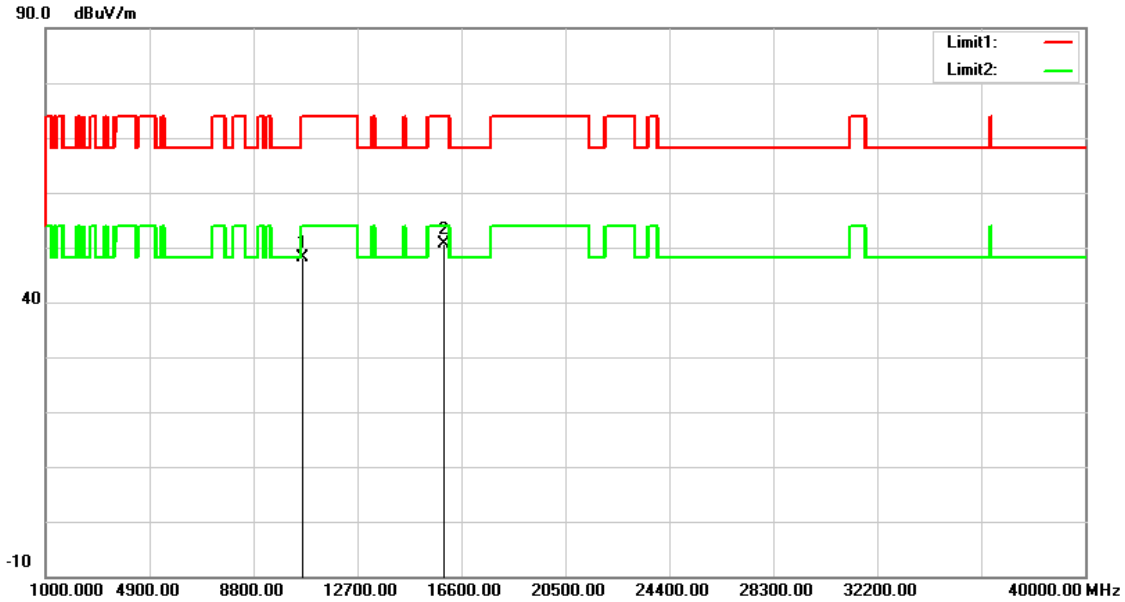
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10540.000	35.53	12.12	47.65	68.20	-20.55	peak
2	15810.000	33.64	17.56	51.20	74.00	-22.80	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5270 MHz		
Mode:	802.11ax HE40		
Ant.Polar.:	Vertical		



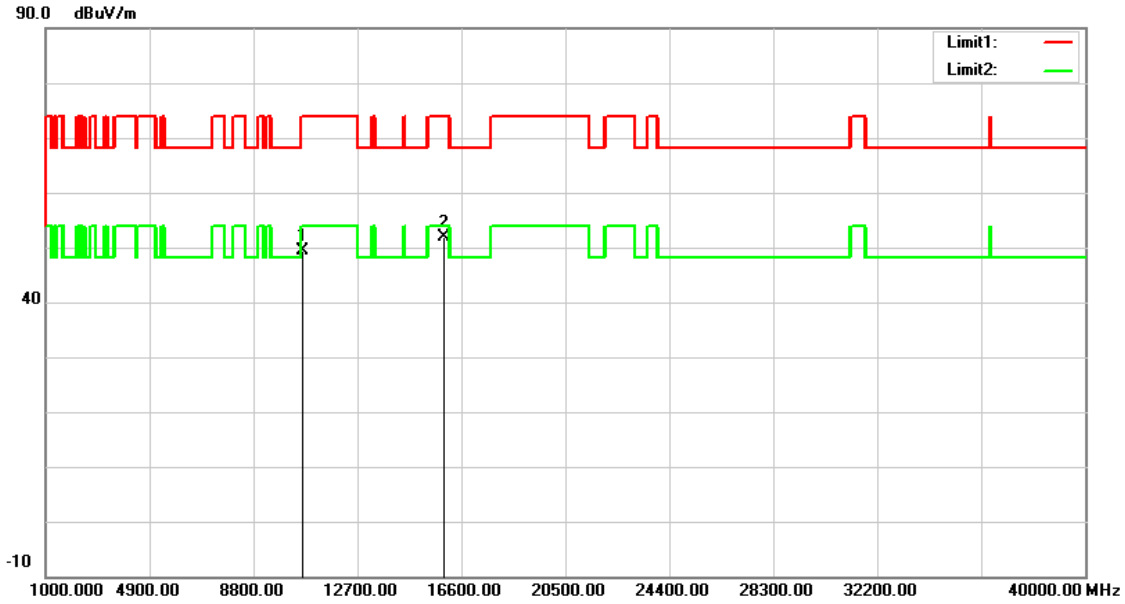
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10540.000	35.30	12.12	47.42	68.20	-20.78	peak
2	15810.000	34.30	17.56	51.86	74.00	-22.14	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5310 MHz		
Mode:	802.11ax HE40		
Ant.Polar.:	Horizontal		



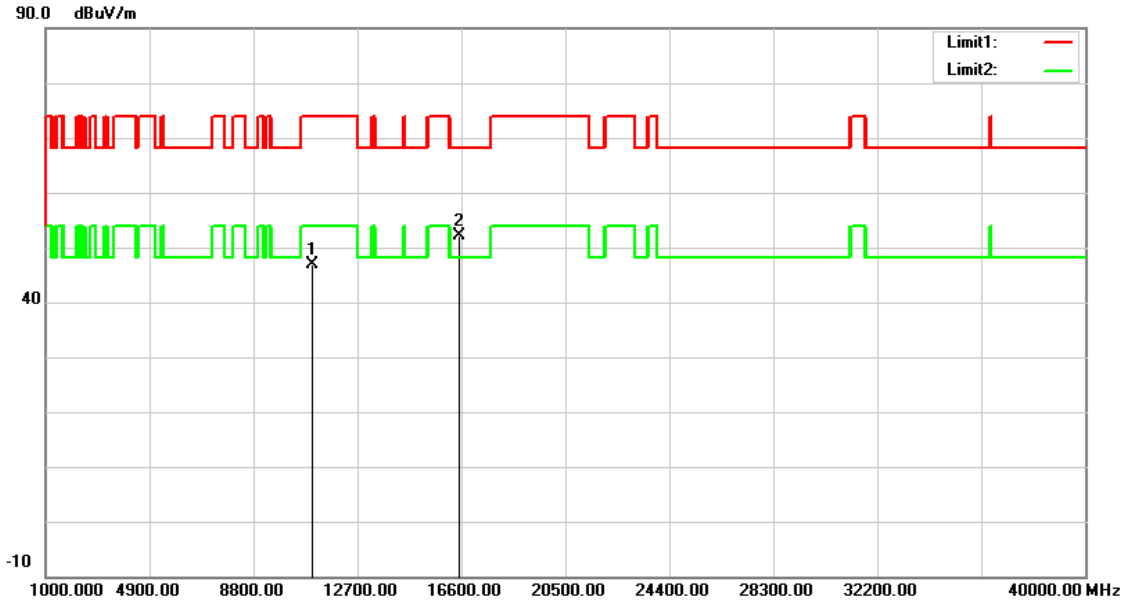
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10620.000	36.02	12.18	48.20	74.00	-25.80	peak
2	15930.000	33.25	17.46	50.71	74.00	-23.29	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5310 MHz		
Mode:	802.11ax HE40		
Ant.Polar.:	Vertical		



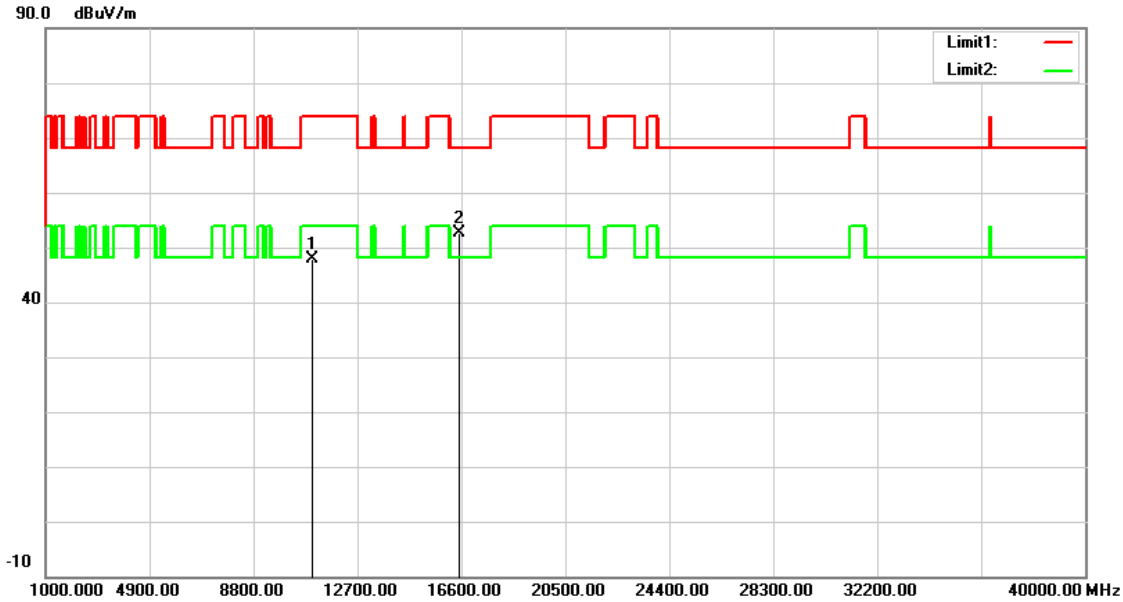
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10620.000	37.15	12.18	49.33	74.00	-24.67	peak
2	15930.000	34.36	17.46	51.82	74.00	-22.18	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5510 MHz		
Mode:	802.11ax HE40		
Ant.Polar.:	Horizontal		



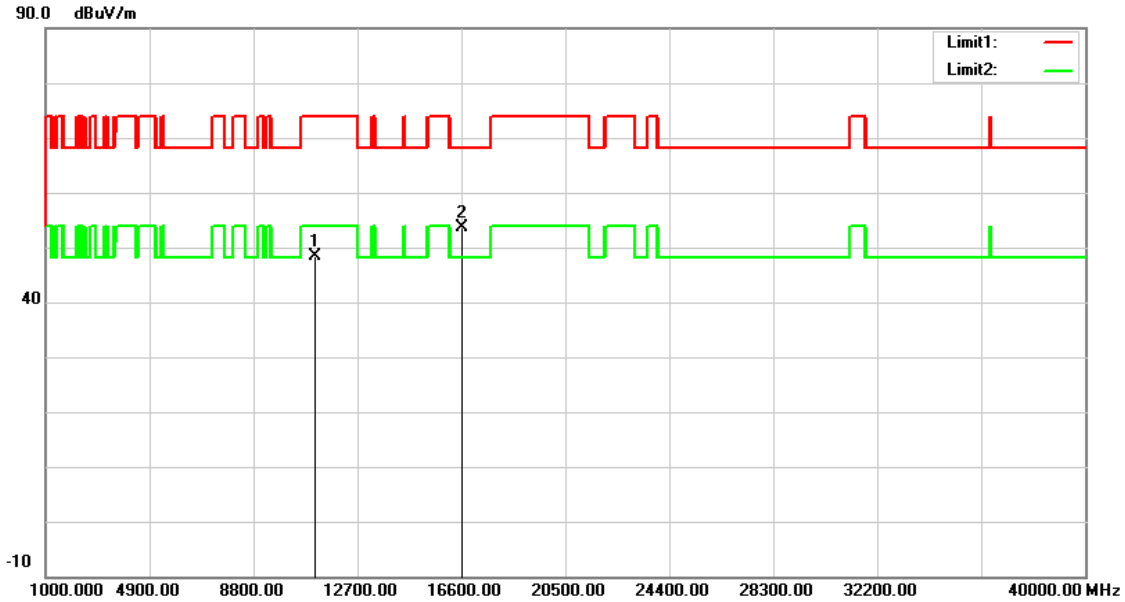
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11020.000	34.43	12.49	46.92	74.00	-27.08	peak
2	16530.000	33.42	18.75	52.17	68.20	-16.03	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5510 MHz		
Mode:	802.11ax HE40		
Ant.Polar.:	Vertical		



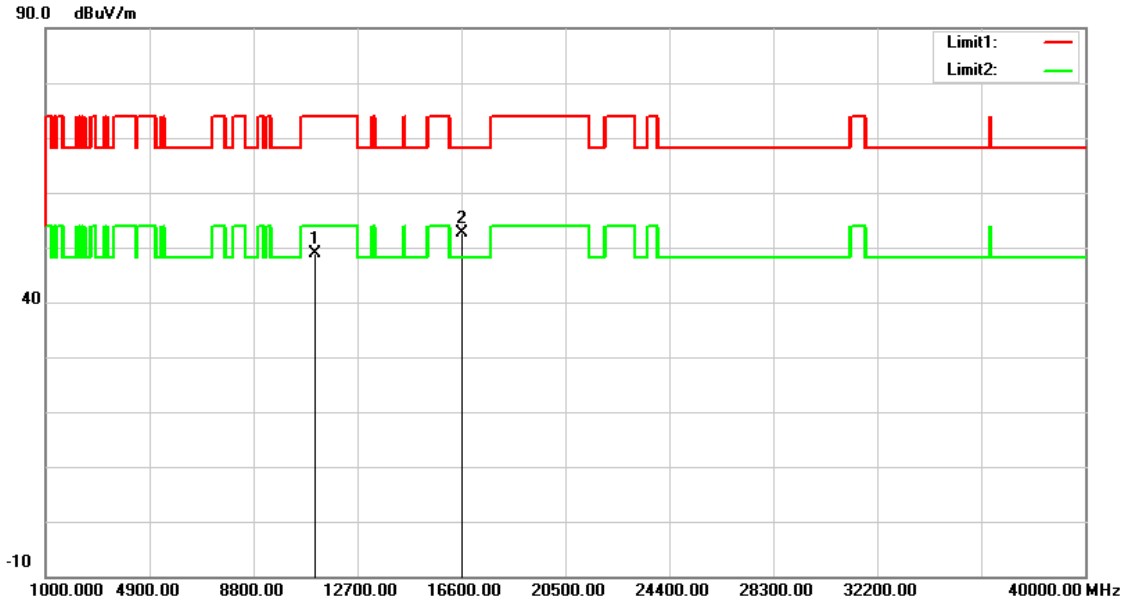
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11020.000	35.49	12.49	47.98	74.00	-26.02	peak
2	16530.000	34.00	18.75	52.75	68.20	-15.45	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5550 MHz		
Mode:	802.11ax HE40		
Ant.Polar.:	Horizontal		



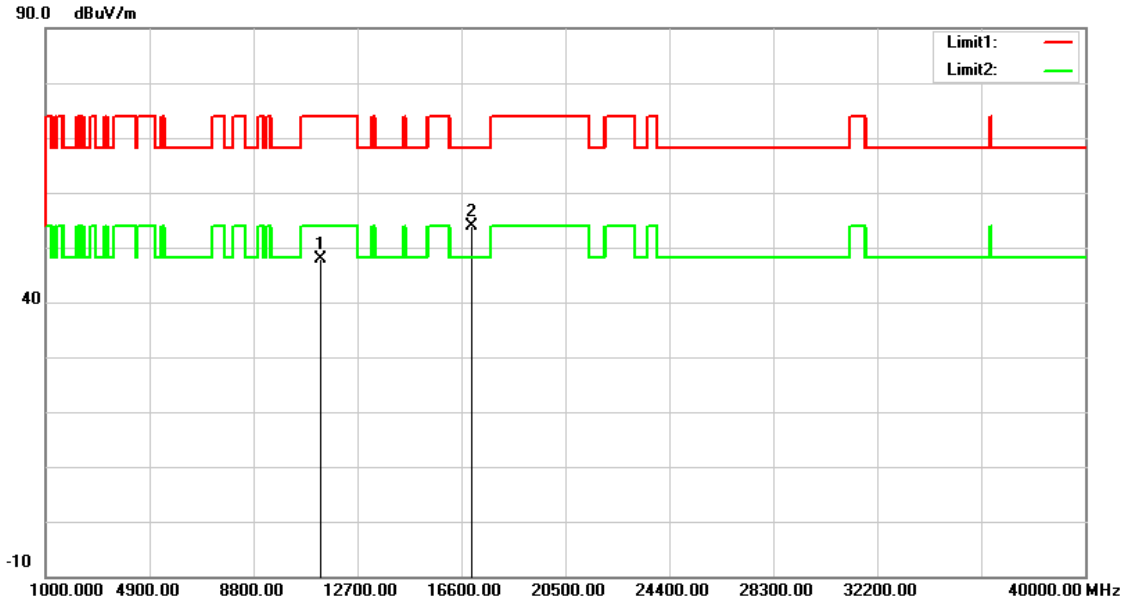
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11100.000	35.68	12.60	48.28	74.00	-25.72	peak
2	16650.000	34.33	19.22	53.55	68.20	-14.65	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5550 MHz		
Mode:	802.11ax HE40		
Ant.Polar.:	Vertical		



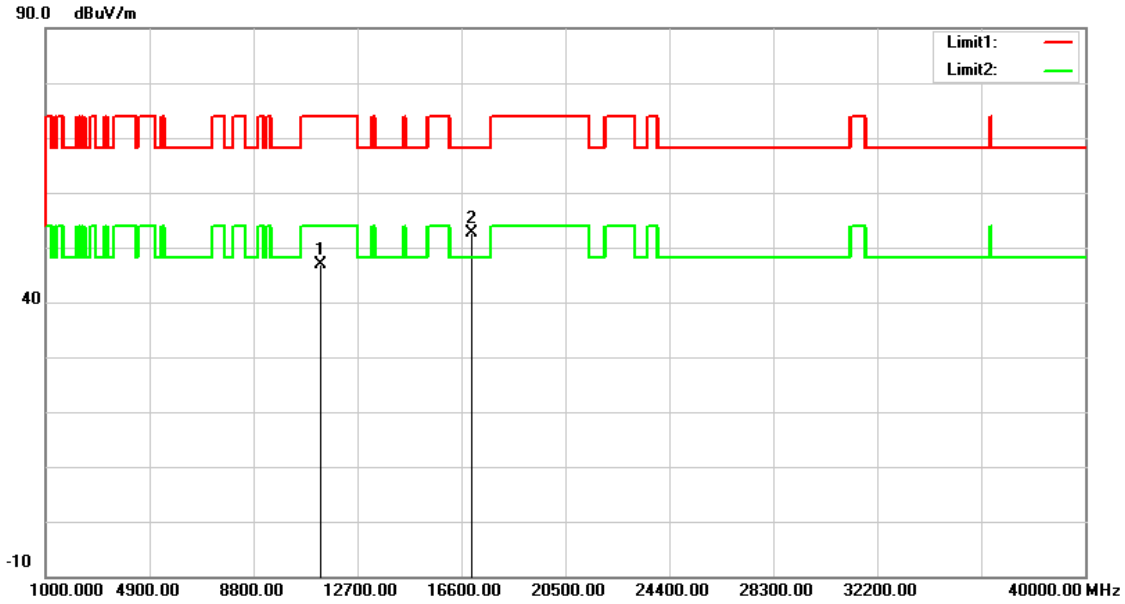
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11100.000	36.23	12.60	48.83	74.00	-25.17	peak
2	16650.000	33.41	19.22	52.63	68.20	-15.57	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5670 MHz		
Mode:	802.11ax HE40		
Ant.Polar.:	Horizontal		



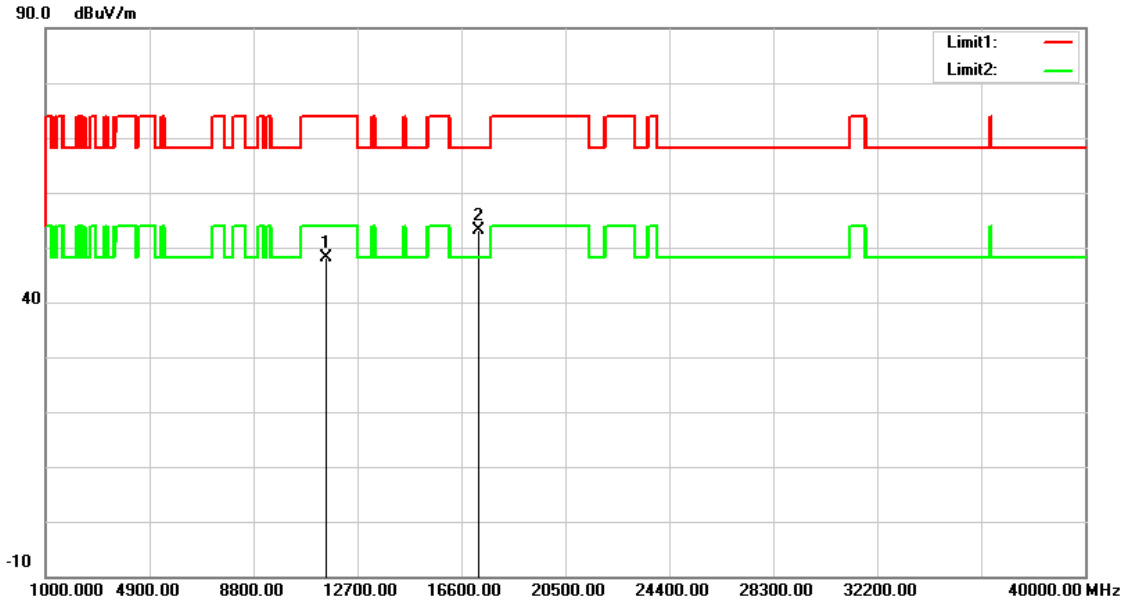
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11340.000	34.87	12.91	47.78	74.00	-26.22	peak
2	17010.000	33.25	20.60	53.85	68.20	-14.35	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5670 MHz		
Mode:	802.11ax HE40		
Ant.Polar.:	Vertical		



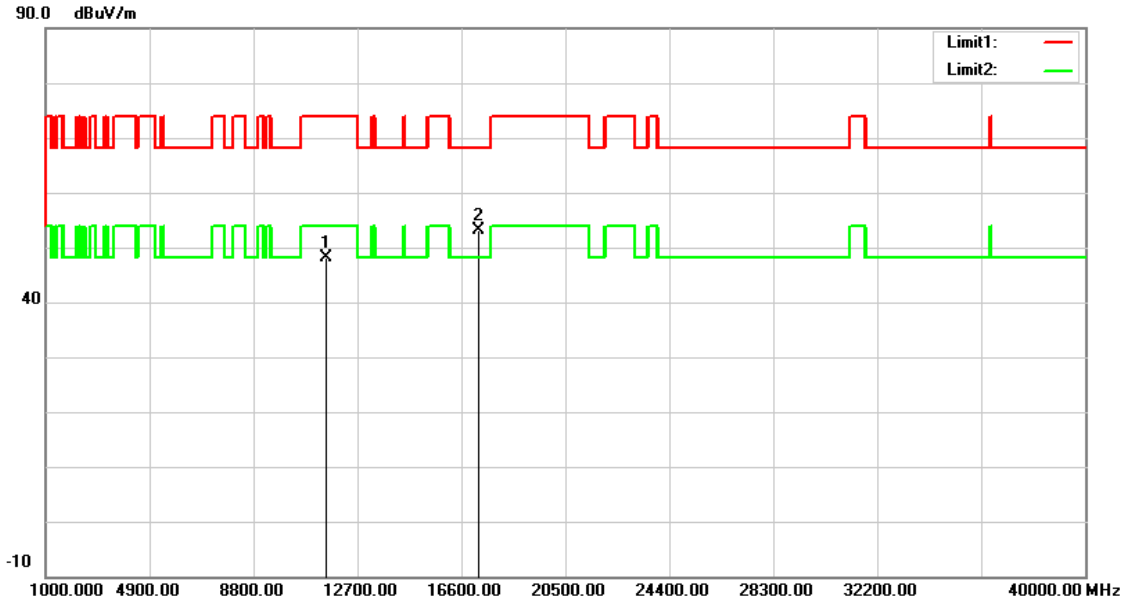
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11340.000	34.04	12.91	46.95	74.00	-27.05	peak
2	17010.000	32.05	20.60	52.65	68.20	-15.55	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5755 MHz		
Mode:	802.11ax HE40		
Ant.Polar.:	Horizontal		



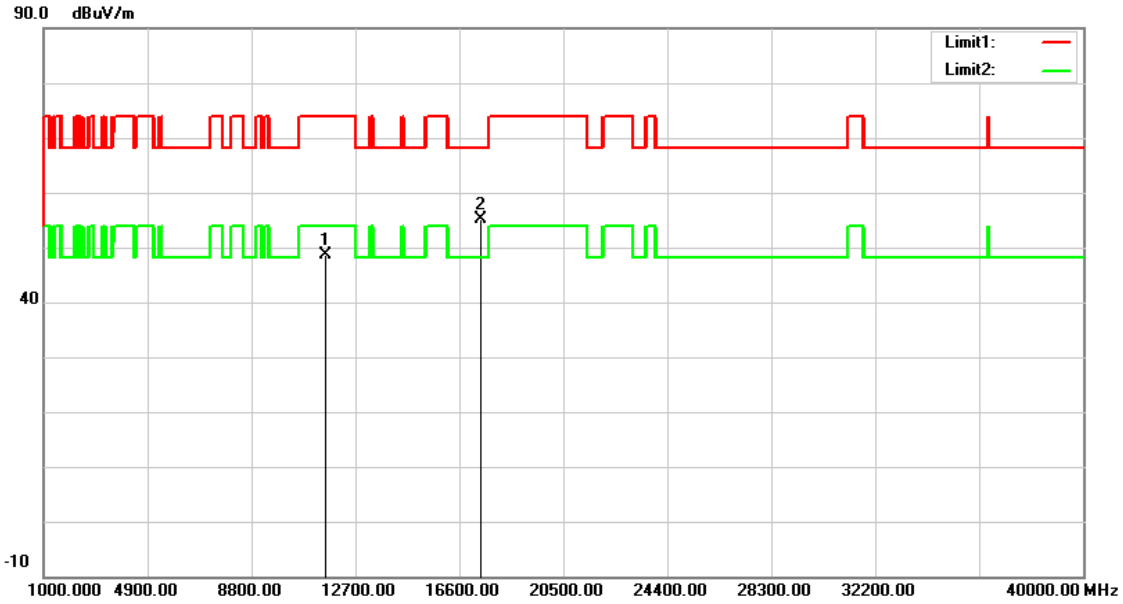
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11510.000	35.12	13.11	48.23	74.00	-25.77	peak
2	17265.000	32.46	20.69	53.15	68.20	-15.05	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5755 MHz		
Mode:	802.11ax HE40		
Ant.Polar.:	Vertical		



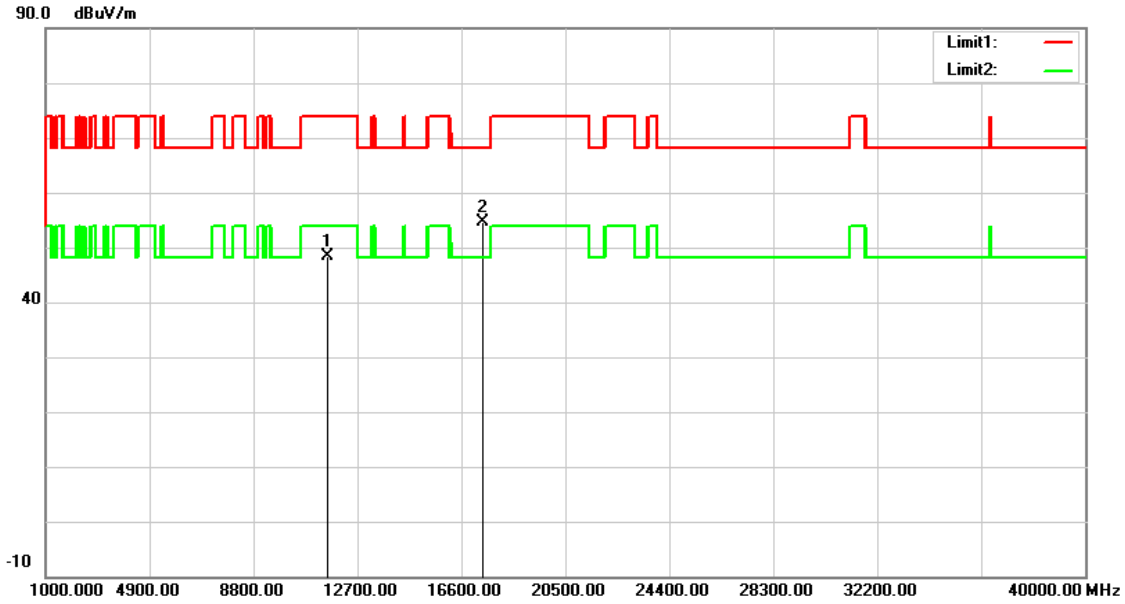
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11510.000	35.13	13.11	48.24	74.00	-25.76	peak
2	17265.000	32.32	20.69	53.01	68.20	-15.19	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5795 MHz		
Mode:	802.11ax HE40		
Ant.Polar.:	Horizontal		



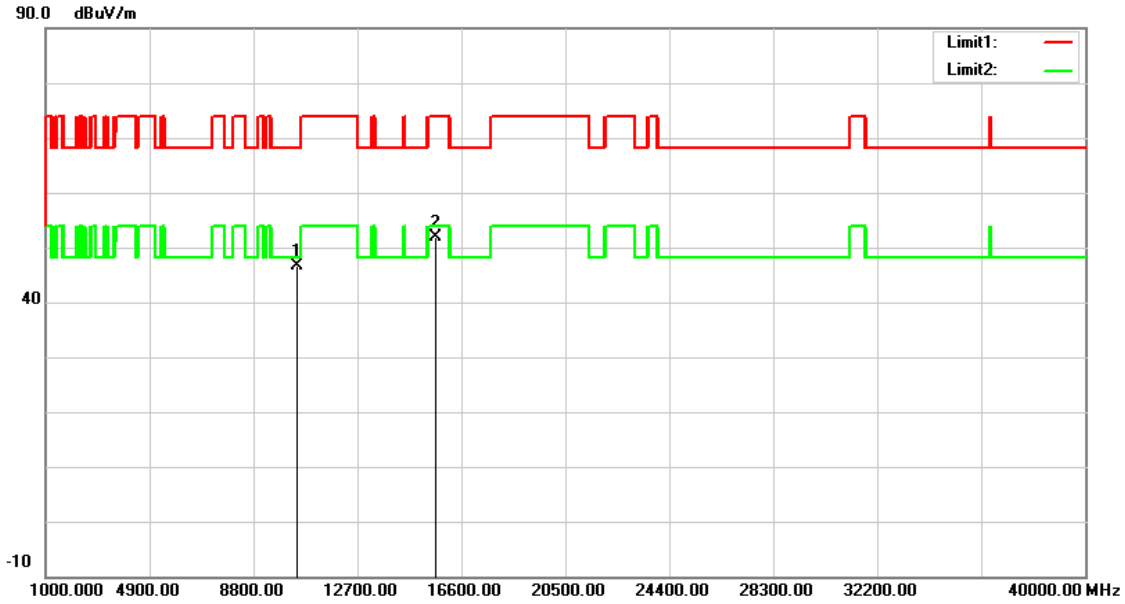
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11590.000	35.46	13.25	48.71	74.00	-25.29	peak
2	17385.000	34.27	20.74	55.01	68.20	-13.19	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5795 MHz		
Mode:	802.11ax HE40		
Ant.Polar.:	Vertical		



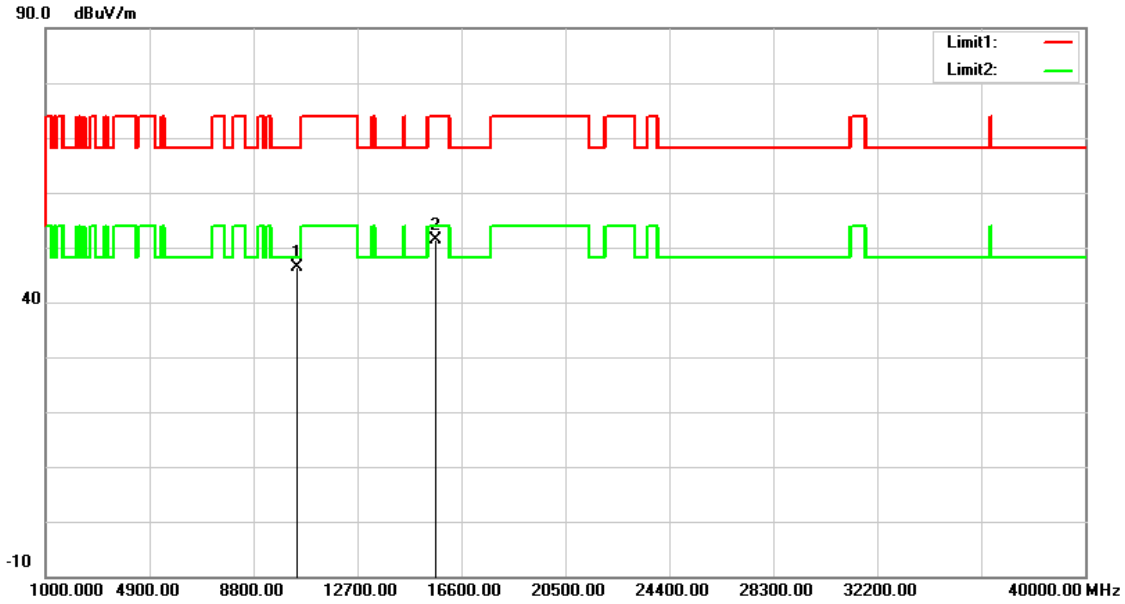
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11590.000	35.05	13.25	48.30	74.00	-25.70	peak
2	17385.000	33.85	20.74	54.59	68.20	-13.61	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5210 MHz		
Mode:	802.11ax HE80		
Ant.Polar.:	Horizontal		



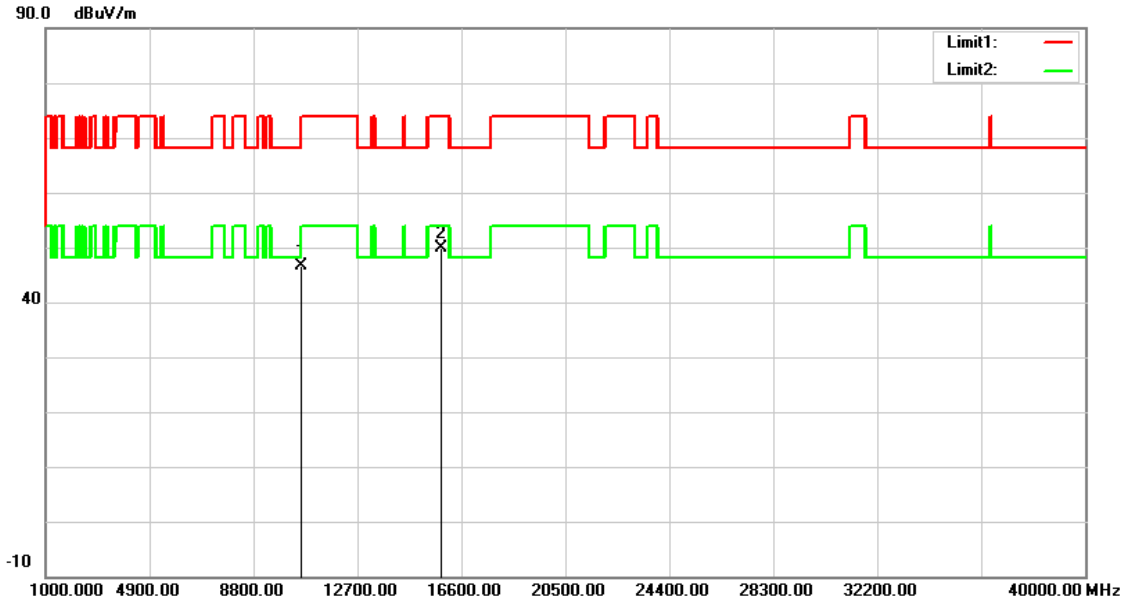
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10420.000	34.49	12.04	46.53	68.20	-21.67	peak
2	15630.000	34.09	17.69	51.78	74.00	-22.22	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5210 MHz		
Mode:	802.11ax HE80		
Ant.Polar.:	Vertical		



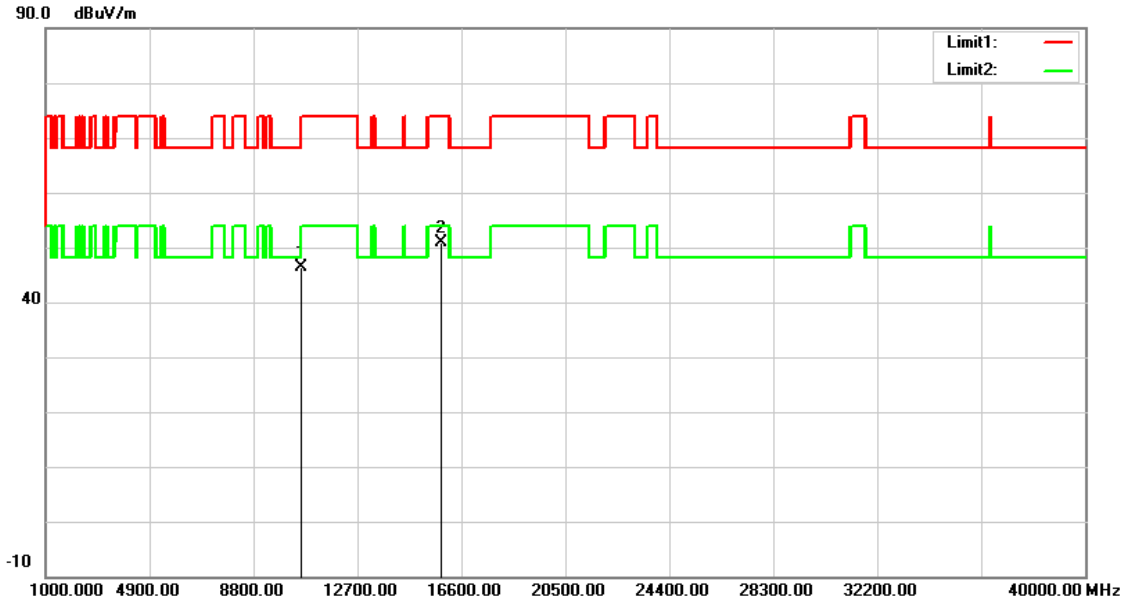
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10420.000	34.34	12.04	46.38	68.20	-21.82	peak
2	15630.000	33.59	17.69	51.28	74.00	-22.72	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5290 MHz		
Mode:	802.11ax HE80		
Ant.Polar.:	Horizontal		



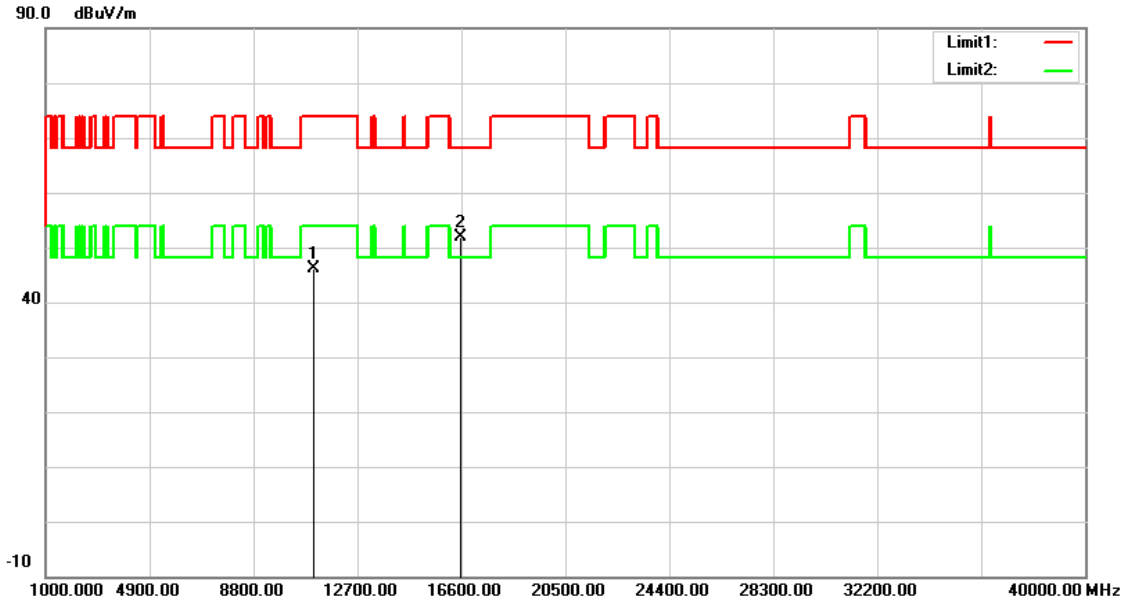
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10580.000	34.44	12.15	46.59	68.20	-21.61	peak
2	15870.000	32.40	17.51	49.91	74.00	-24.09	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5290 MHz		
Mode:	802.11ax HE80		
Ant.Polar.:	Vertical		



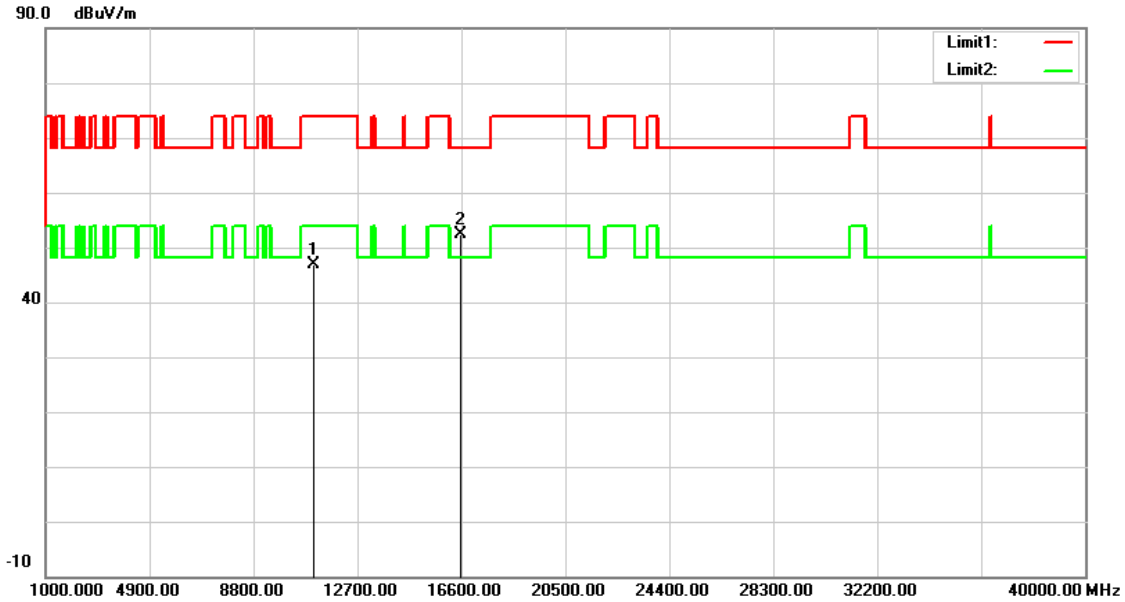
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10580.000	34.27	12.15	46.42	68.20	-21.78	peak
2	15870.000	33.29	17.51	50.80	74.00	-23.20	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5530 MHz		
Mode:	802.11ax HE80		
Ant.Polar.:	Horizontal		



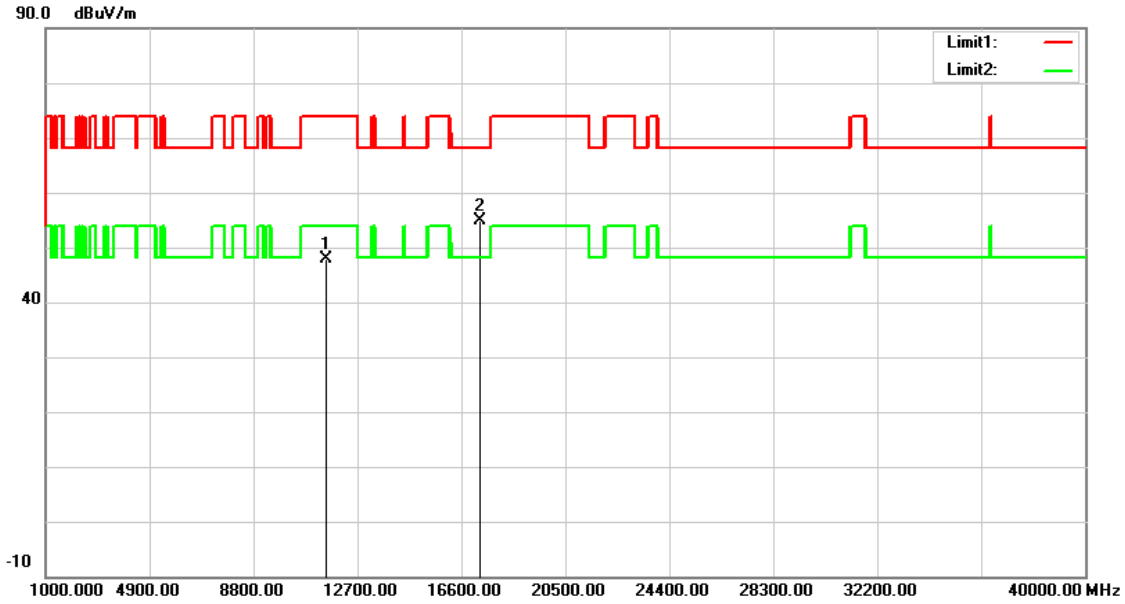
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11060.000	33.61	12.54	46.15	74.00	-27.85	peak
2	16590.000	32.88	18.98	51.86	68.20	-16.34	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5530 MHz		
Mode:	802.11ax HE80		
Ant.Polar.:	Vertical		



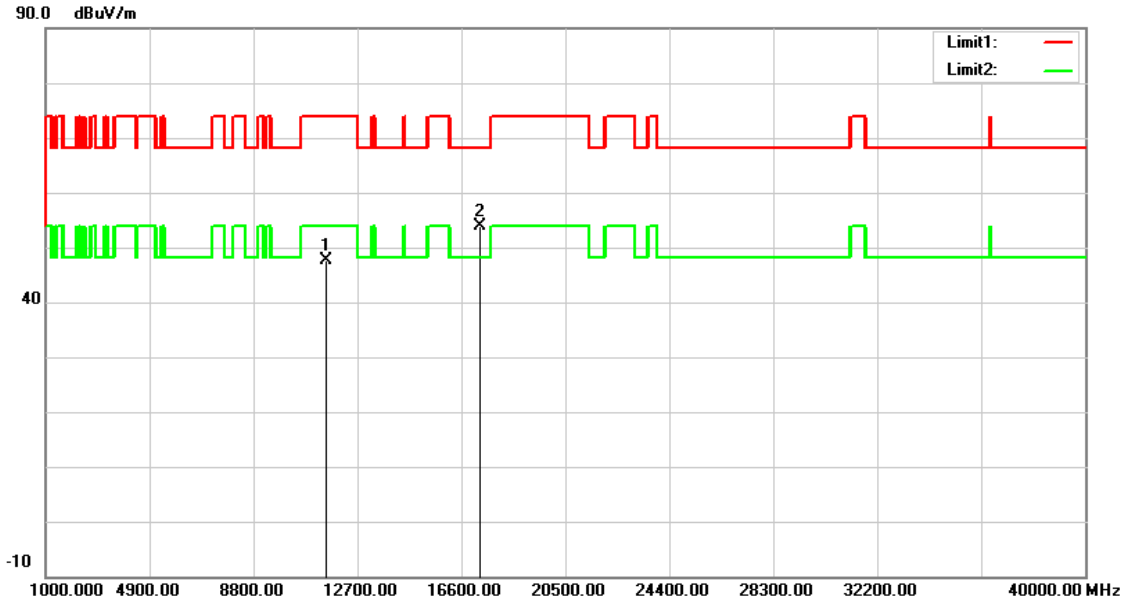
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11060.000	34.34	12.54	46.88	74.00	-27.12	peak
2	16590.000	33.44	18.98	52.42	68.20	-15.78	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5775 MHz		
Mode:	802.11ax HE80		
Ant.Polar.:	Horizontal		



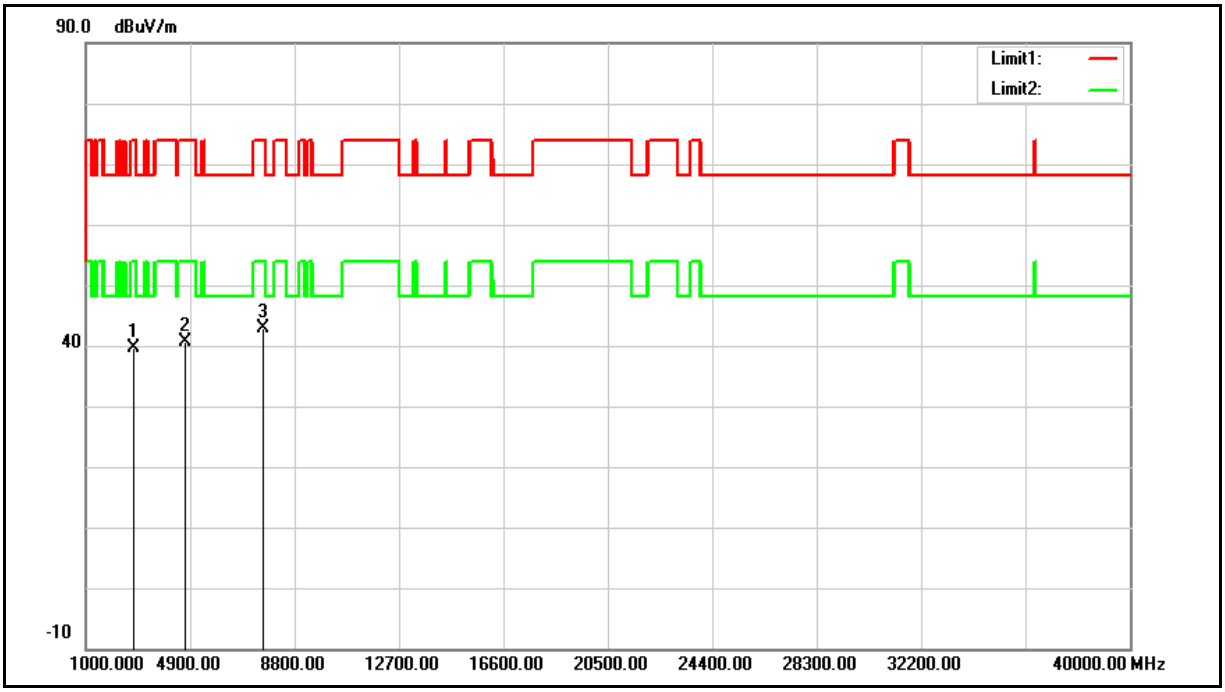
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11550.000	34.77	13.18	47.95	74.00	-26.05	peak
2	17325.000	34.08	20.71	54.79	68.20	-13.41	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Frequency:	5775 MHz		
Mode:	802.11ax HE80		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11550.000	34.34	13.18	47.52	74.00	-26.48	peak
2	17325.000	33.10	20.71	53.81	68.20	-14.39	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Mode:	Simultaneous Transmitting		
	(Bluetooth + WLAN 2.4 +5 GHz)		
Ant.Polar.:	Horizontal		



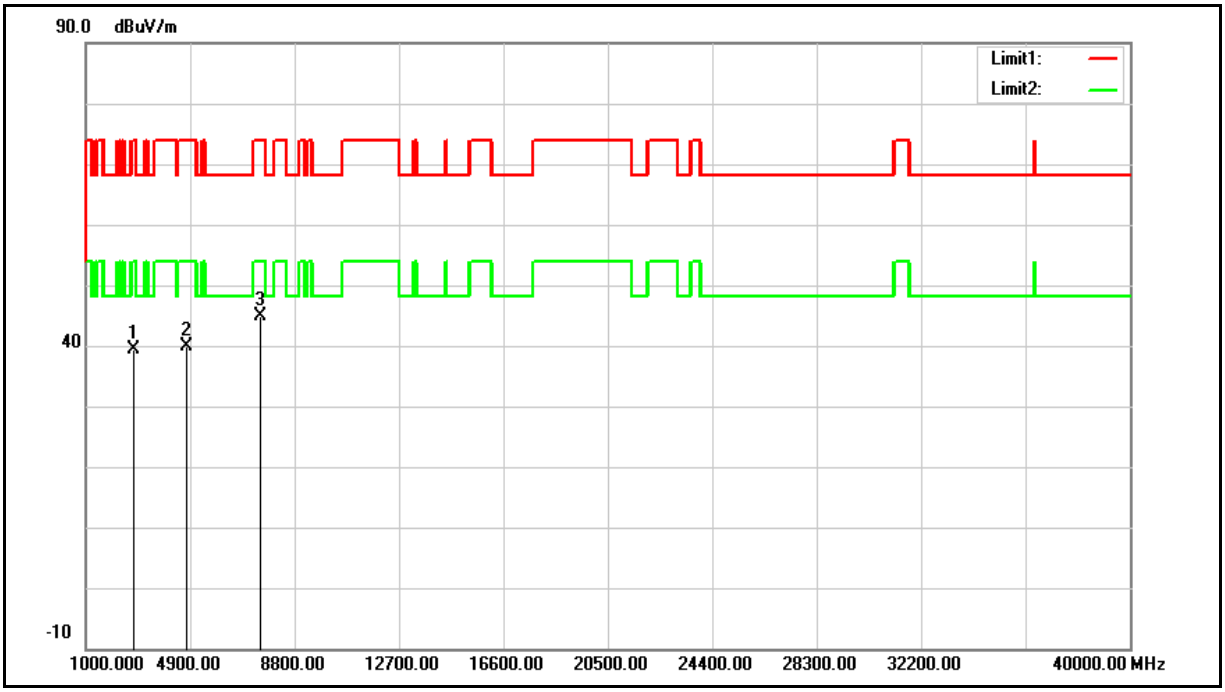
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2785.000	41.11	-1.46	39.65	74.00	-34.35	peak
2	4723.000	39.17	1.42	40.59	74.00	-33.41	peak
3	7613.000	36.48	6.52	43.00	74.00	-31.00	peak

Note: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, so not need to evaluate the average.

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Harmonic		
Mode:	Simultaneous Transmitting		
	(Bluetooth + WLAN 2.4 +5 GHz)		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2785.000	40.94	-1.46	39.48	74.00	-34.52	peak
2	4791.000	38.33	1.55	39.88	74.00	-34.12	peak
3	7477.000	38.46	6.36	44.82	74.00	-29.18	peak

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

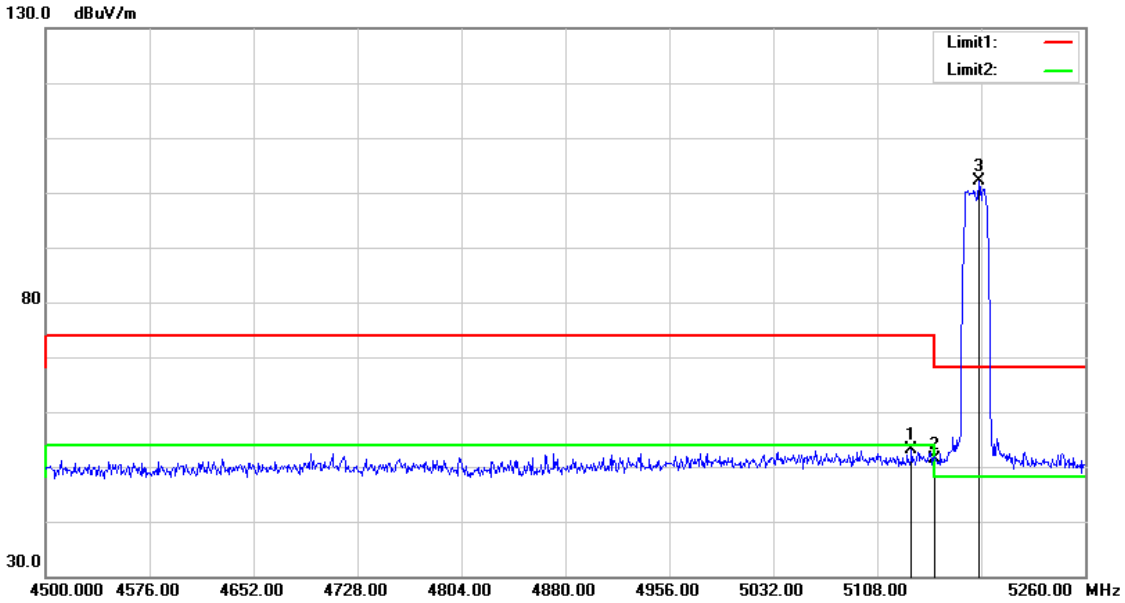
2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

Band Edge

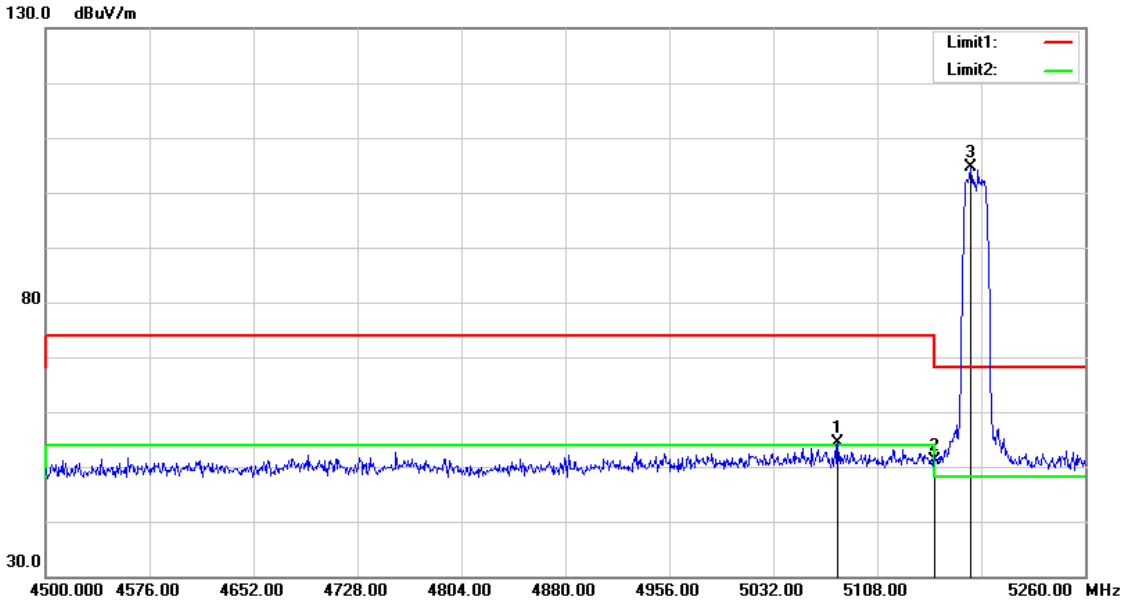
Peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5180 MHz		
Mode:	802.11a		
Ant.Polar.:	Horizontal		



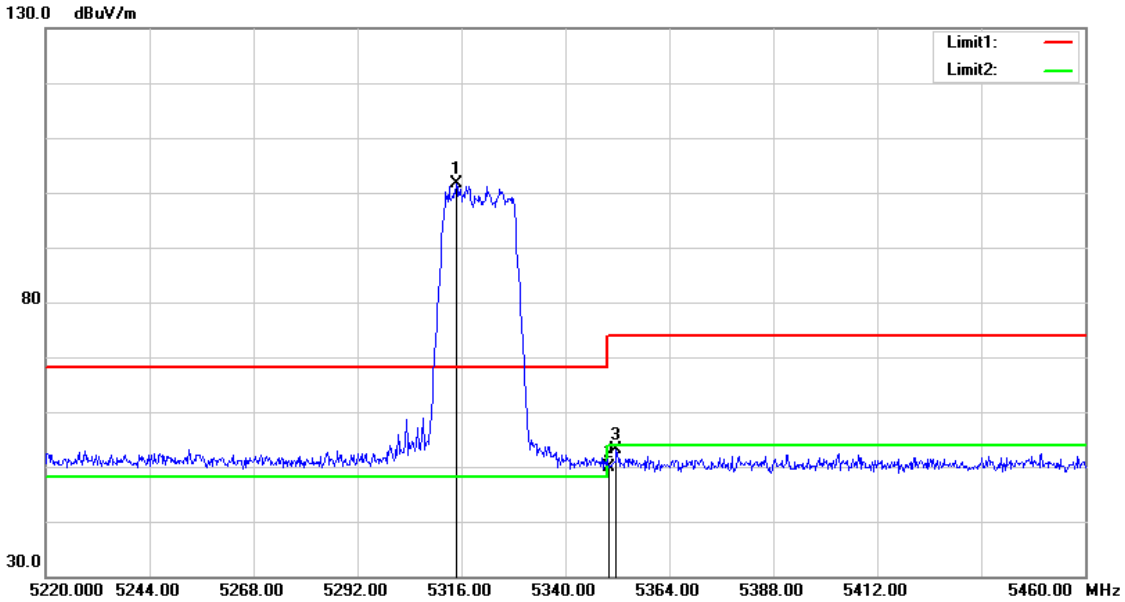
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5133.080	53.12	0.02	53.14	74.00	-20.86	peak
2	5150.000	51.40	0.05	51.45	74.00	-22.55	peak
3	5182.480	101.97	0.11	102.08	68.20	33.88	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5180 MHz		
Mode:	802.11a		
Ant.Polar.:	Vertical		



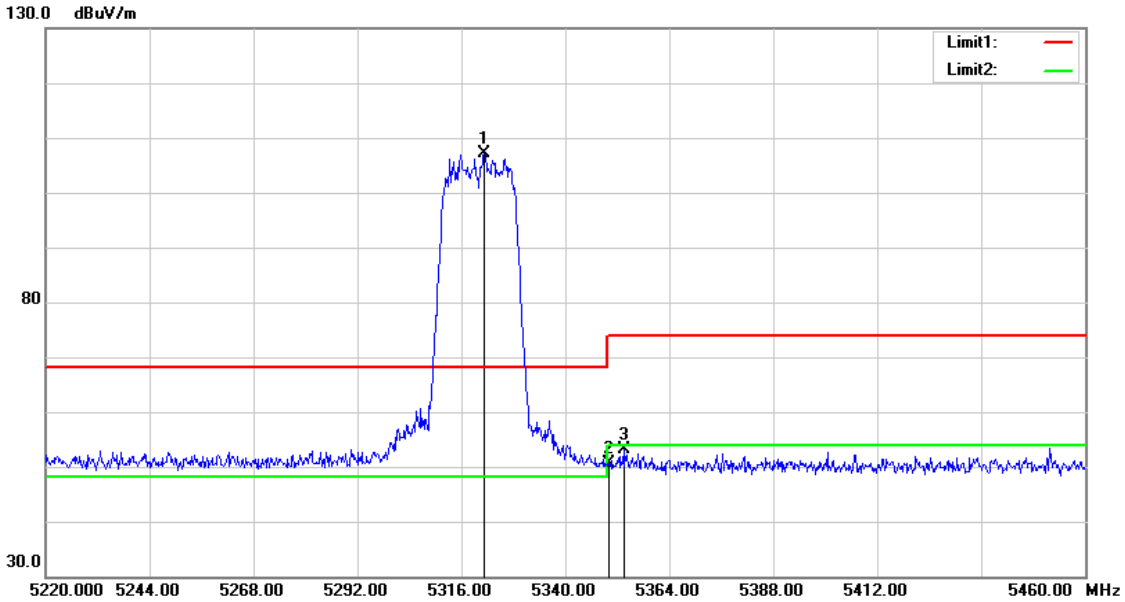
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5079.120	54.43	-0.09	54.34	74.00	-19.66	peak
2	5150.000	51.08	0.05	51.13	74.00	-22.87	peak
3	5176.400	104.63	0.11	104.74	68.20	36.54	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5320 MHz		
Mode:	802.11a		
Ant.Polar.:	Horizontal		



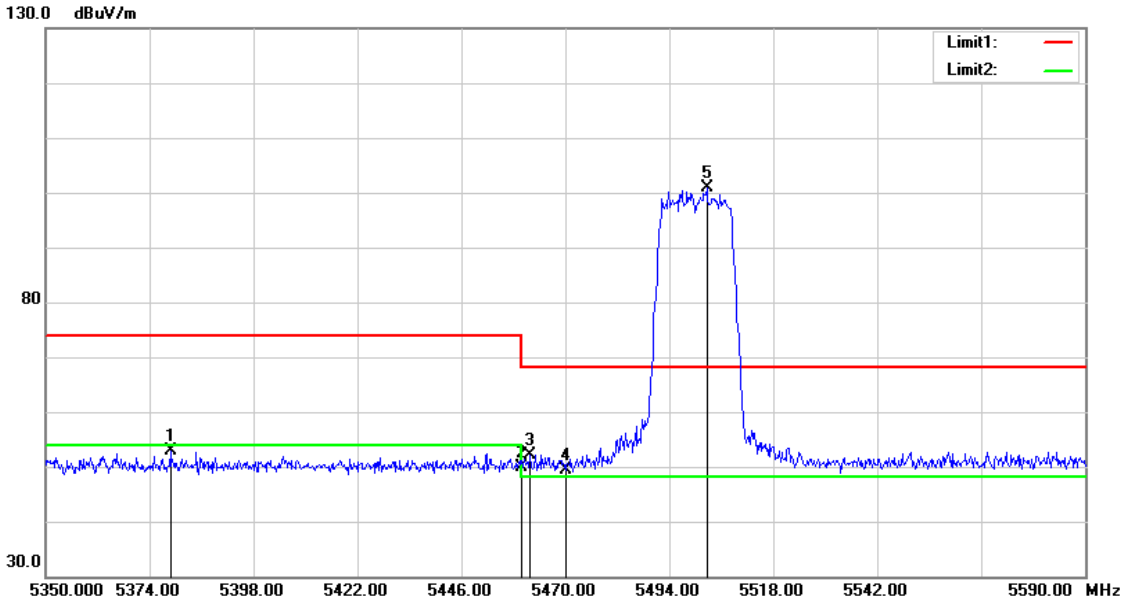
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5314.800	101.22	0.39	101.61	68.20	33.41	peak
2	5350.000	49.47	0.47	49.94	74.00	-24.06	peak
3	5351.760	52.58	0.47	53.05	74.00	-20.95	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5320 MHz		
Mode:	802.11a		
Ant.Polar.:	Vertical		



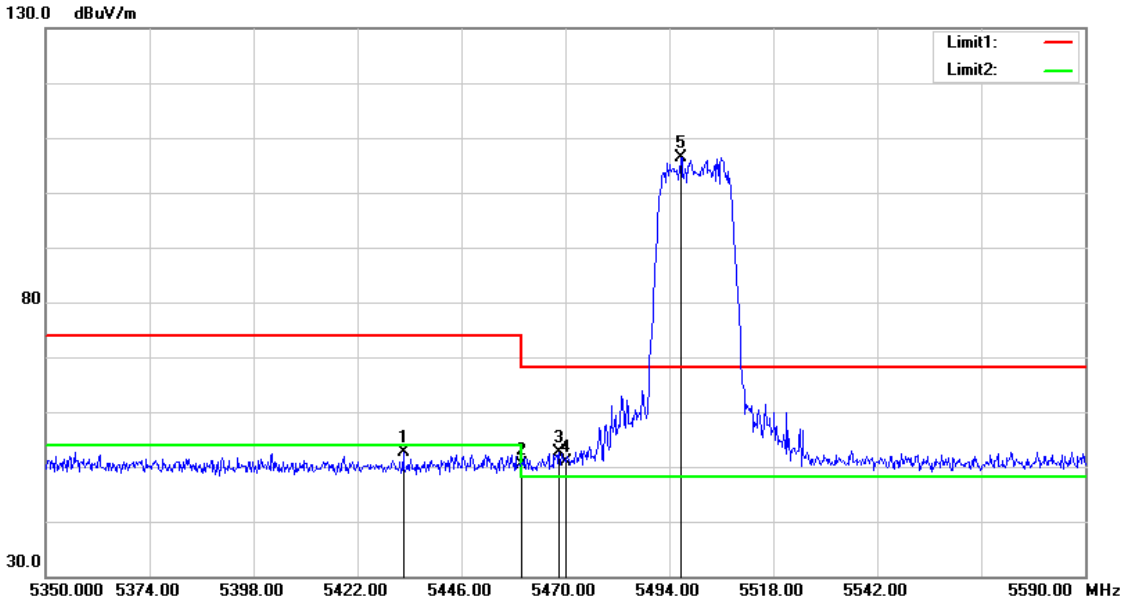
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5321.280	106.64	0.40	107.04	68.20	38.84	peak
2	5350.000	50.23	0.47	50.70	74.00	-23.30	peak
3	5353.440	52.67	0.47	53.14	74.00	-20.86	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5500 MHz		
Mode:	802.11a		
Ant.Polar.:	Horizontal		



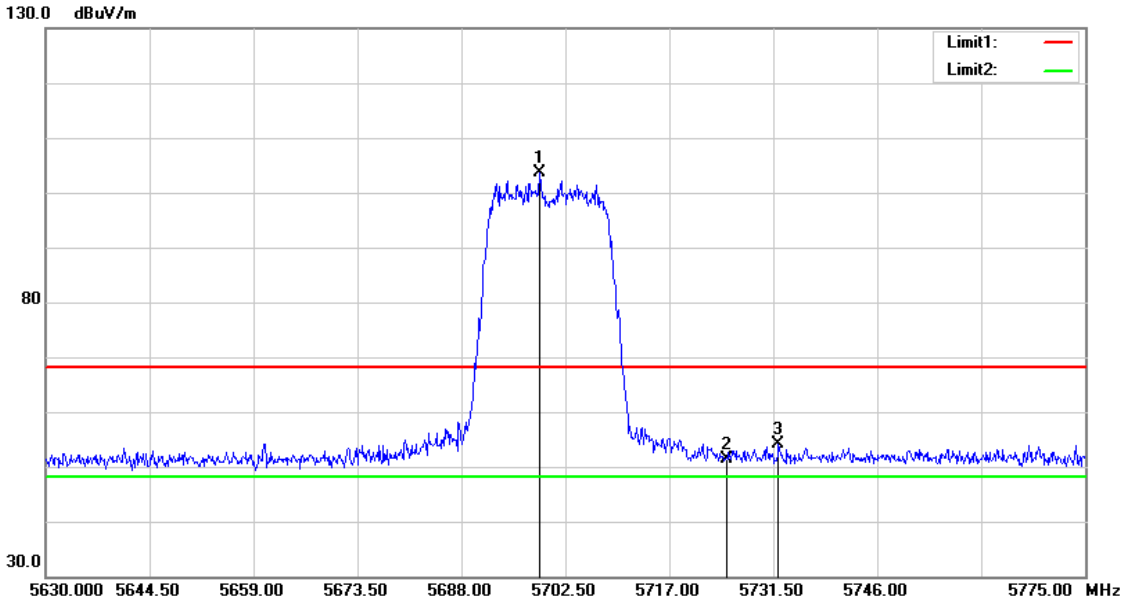
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5378.800	52.25	0.53	52.78	74.00	-21.22	peak
2	5460.000	49.09	0.70	49.79	74.00	-24.21	peak
3	5461.840	51.43	0.70	52.13	68.20	-16.07	peak
4	5470.000	48.78	0.71	49.49	68.20	-18.71	peak
5	5502.640	100.16	0.78	100.94	68.20	32.74	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5500 MHz		
Mode:	802.11a		
Ant.Polar.:	Vertical		



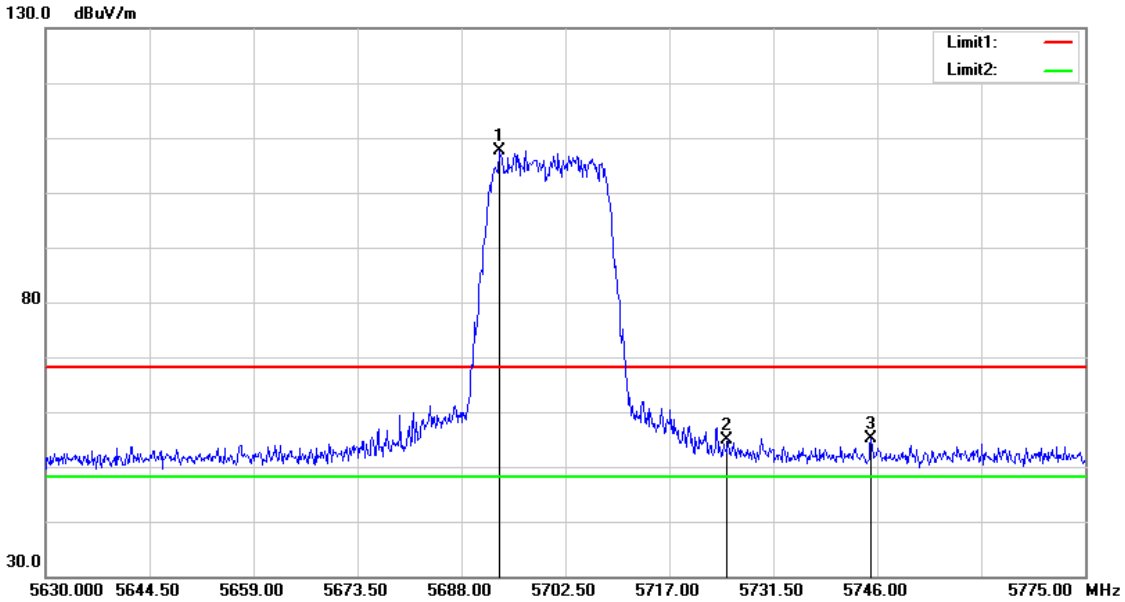
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5432.560	52.04	0.64	52.68	74.00	-21.32	peak
2	5460.000	49.80	0.70	50.50	74.00	-23.50	peak
3	5468.560	51.89	0.71	52.60	68.20	-15.60	peak
4	5470.000	50.07	0.71	50.78	68.20	-17.42	peak
5	5496.640	105.69	0.77	106.46	68.20	38.26	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5700 MHz		
Mode:	802.11a		
Ant.Polar.:	Horizontal		



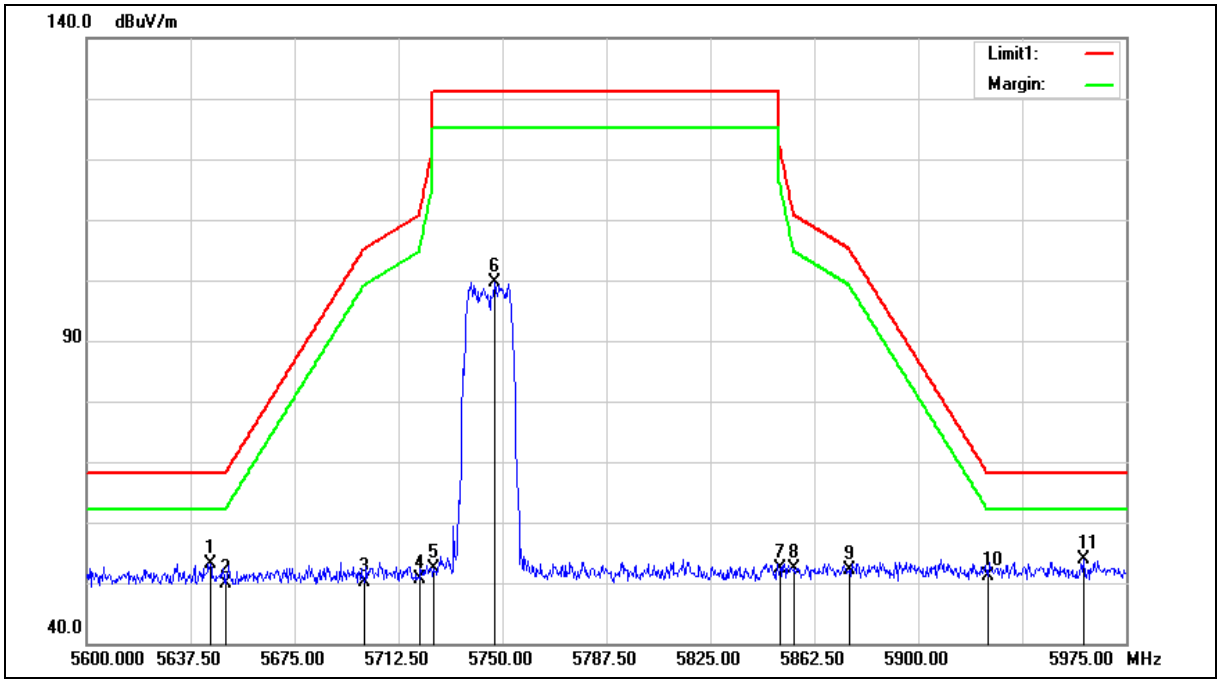
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5698.875	102.30	1.31	103.61	68.20	35.41	peak
2	5725.000	50.03	1.38	51.41	68.20	-16.79	peak
3	5732.225	52.82	1.40	54.22	68.20	-13.98	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5700 MHz		
Mode:	802.11a		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5693.365	106.40	1.30	107.70	68.20	39.50	peak
2	5725.000	53.38	1.38	54.76	68.20	-13.44	peak
3	5745.130	53.74	1.43	55.17	68.20	-13.03	peak

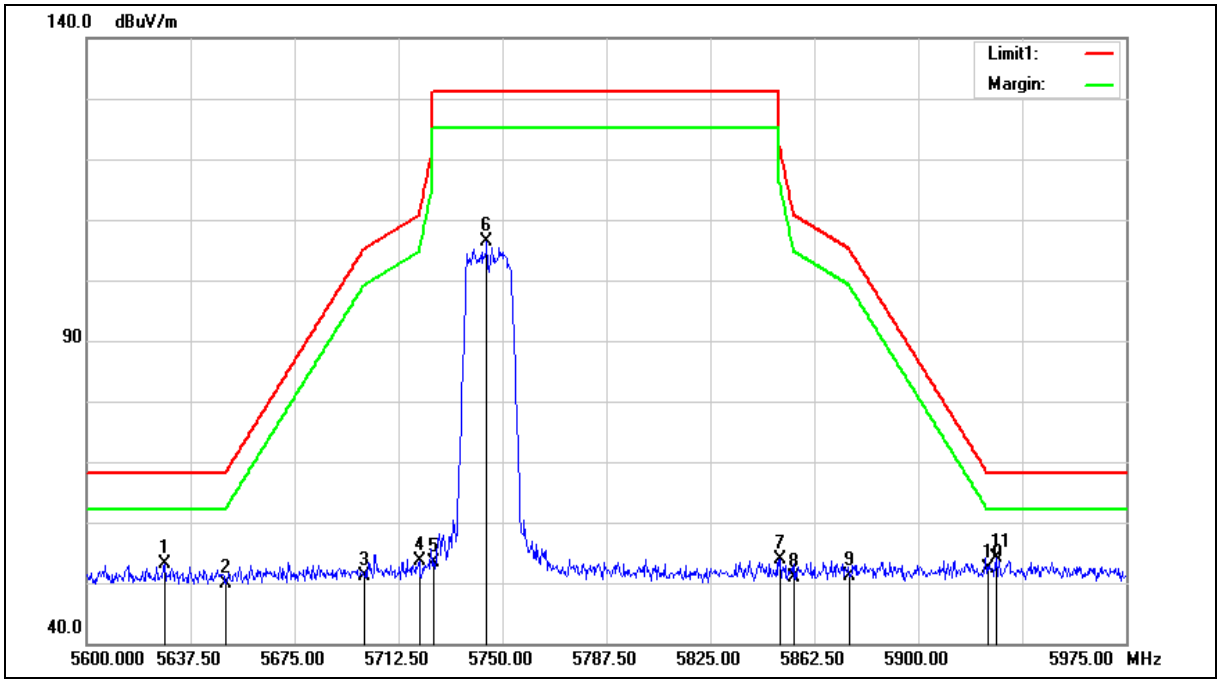
Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5745 MHz		
Mode:	802.11a		
Ant.Polar.:	Horizontal		



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5745 MHz		
Mode:	802.11a		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5644.625	52.05	1.16	53.21	68.20	-14.99	peak
2	5650.000	48.70	1.17	49.87	68.20	-18.33	peak
3	5700.000	48.77	1.31	50.08	105.20	-55.12	peak
4	5720.000	49.14	1.37	50.51	110.80	-60.29	peak
5	5725.000	51.03	1.38	52.41	122.20	-69.79	peak
6	5747.375	98.11	1.45	99.56	131.20	-31.64	peak
7	5850.000	50.64	1.72	52.36	122.20	-69.84	peak
8	5855.000	50.58	1.73	52.31	110.80	-58.49	peak
9	5875.000	50.38	1.79	52.17	105.20	-53.03	peak
10	5925.000	49.11	1.92	51.03	68.20	-17.17	peak
11	5959.625	51.77	2.01	53.78	68.20	-14.42	peak

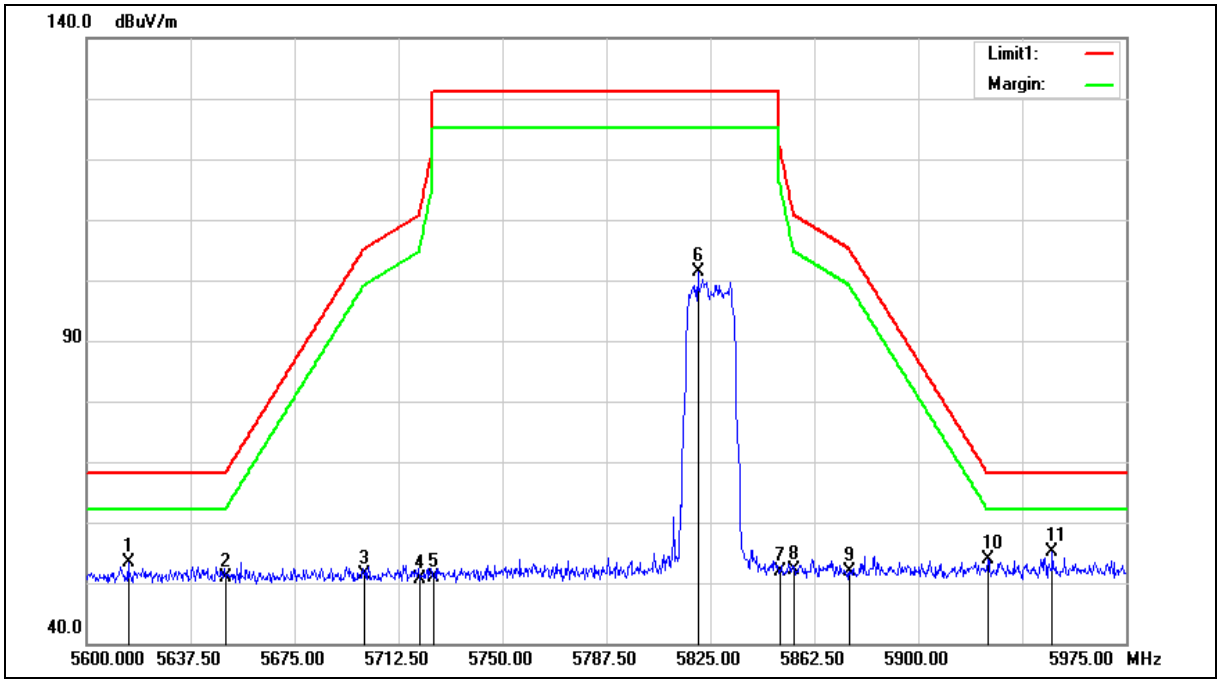
Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5745 MHz		
Mode:	802.11a		
Ant.Polar.:	Vertical		



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5745 MHz		
Mode:	802.11a		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5628.125	51.98	1.12	53.10	68.20	-15.10	peak
2	5650.000	48.62	1.17	49.79	68.20	-18.41	peak
3	5700.000	49.77	1.31	51.08	105.20	-54.12	peak
4	5720.000	52.21	1.37	53.58	110.80	-57.22	peak
5	5725.000	52.05	1.38	53.43	122.20	-68.77	peak
6	5744.375	105.06	1.43	106.49	131.20	-24.71	peak
7	5850.000	52.25	1.72	53.97	122.20	-68.23	peak
8	5855.000	49.16	1.73	50.89	110.80	-59.91	peak
9	5875.000	49.40	1.79	51.19	105.20	-54.01	peak
10	5925.000	50.50	1.92	52.42	68.20	-15.78	peak
11	5928.125	52.18	1.93	54.11	68.20	-14.09	peak

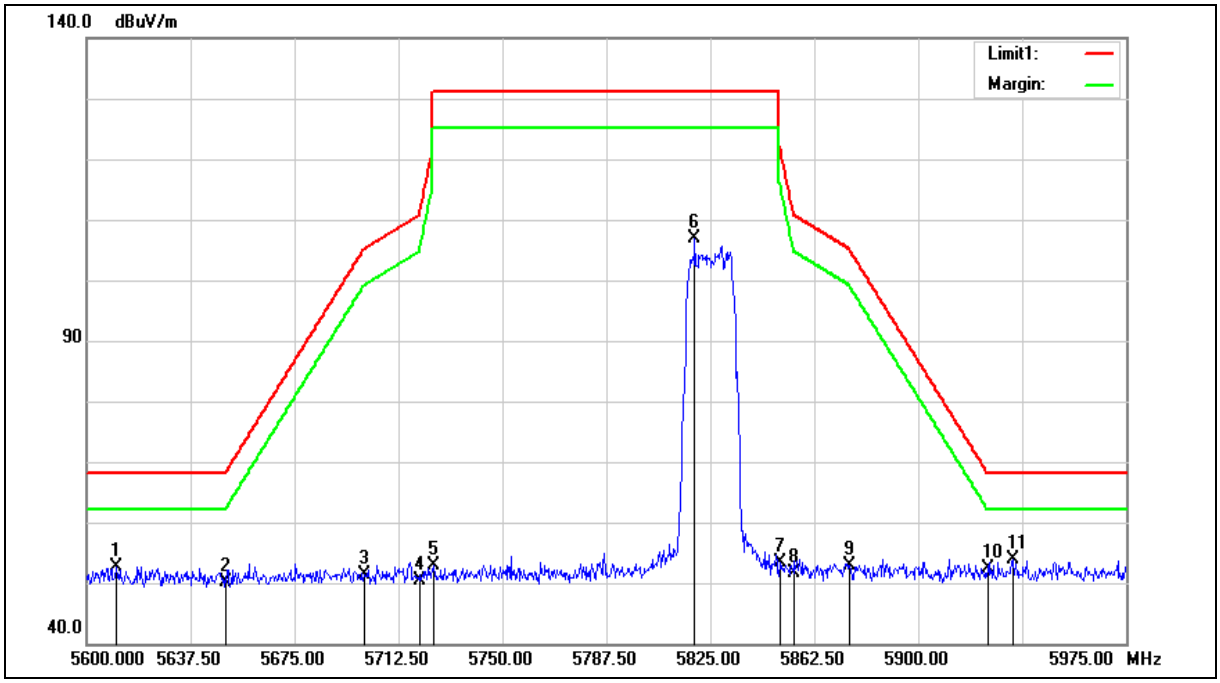
Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5825 MHz		
Mode:	802.11a		
Ant.Polar.:	Horizontal		



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5825 MHz		
Mode:	802.11a		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5615.000	52.38	1.09	53.47	68.20	-14.73	peak
2	5650.000	49.69	1.17	50.86	68.20	-17.34	peak
3	5700.000	50.04	1.31	51.35	105.20	-53.85	peak
4	5720.000	49.35	1.37	50.72	110.80	-60.08	peak
5	5725.000	49.58	1.38	50.96	122.20	-71.24	peak
6	5820.500	99.85	1.63	101.48	131.20	-29.72	peak
7	5850.000	50.04	1.72	51.76	122.20	-70.44	peak
8	5855.000	50.36	1.73	52.09	110.80	-58.71	peak
9	5875.000	50.13	1.79	51.92	105.20	-53.28	peak
10	5925.000	51.90	1.92	53.82	68.20	-14.38	peak
11	5948.375	53.07	1.98	55.05	68.20	-13.15	peak

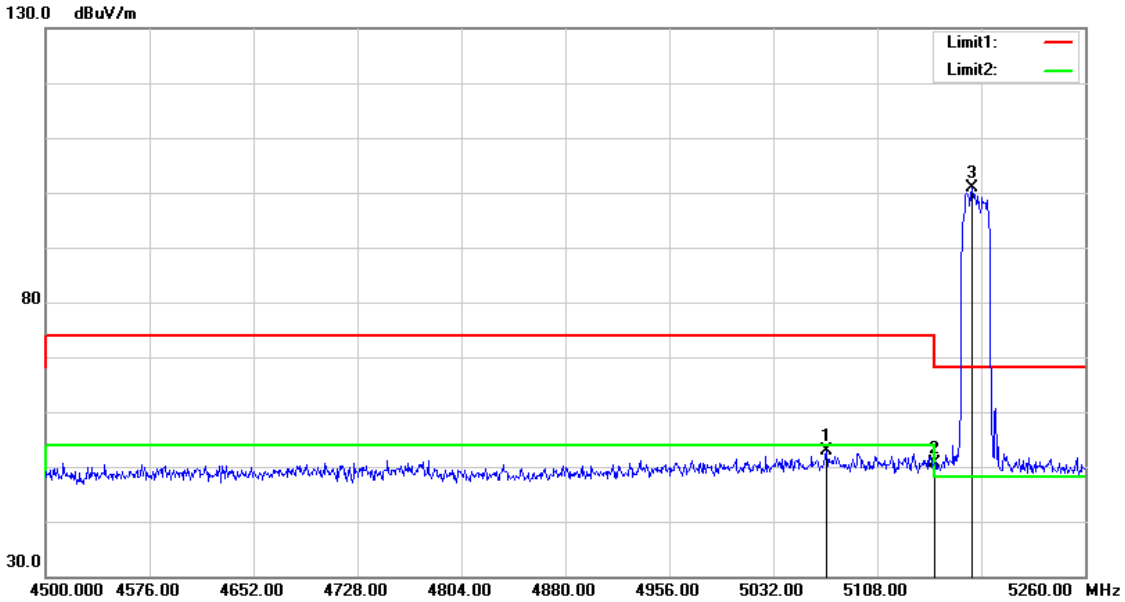
Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5825 MHz		
Mode:	802.11a		
Ant.Polar.:	Vertical		



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5825 MHz		
Mode:	802.11a		
Ant.Polar.:	Vertical		

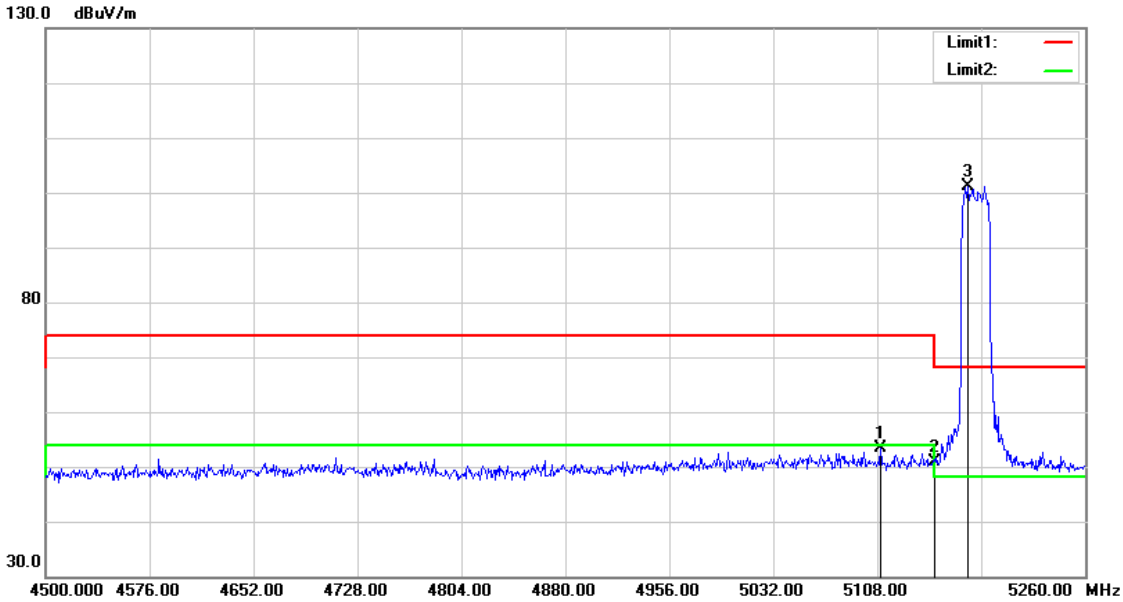
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5610.875	51.61	1.07	52.68	68.20	-15.52	peak
2	5650.000	48.96	1.17	50.13	68.20	-18.07	peak
3	5700.000	50.16	1.31	51.47	105.20	-53.73	peak
4	5720.000	49.04	1.37	50.41	110.80	-60.39	peak
5	5725.000	51.52	1.38	52.90	122.20	-69.30	peak
6	5819.375	105.15	1.63	106.78	131.20	-24.42	peak
7	5850.000	51.55	1.72	53.27	122.20	-68.93	peak
8	5855.000	49.93	1.73	51.66	110.80	-59.14	peak
9	5875.000	51.07	1.79	52.86	105.20	-52.34	peak
10	5925.000	50.41	1.92	52.33	68.20	-15.87	peak
11	5934.125	51.97	1.94	53.91	68.20	-14.29	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5180 MHz		
Mode:	802.11ax HE20		
Ant.Polar.:	Horizontal		



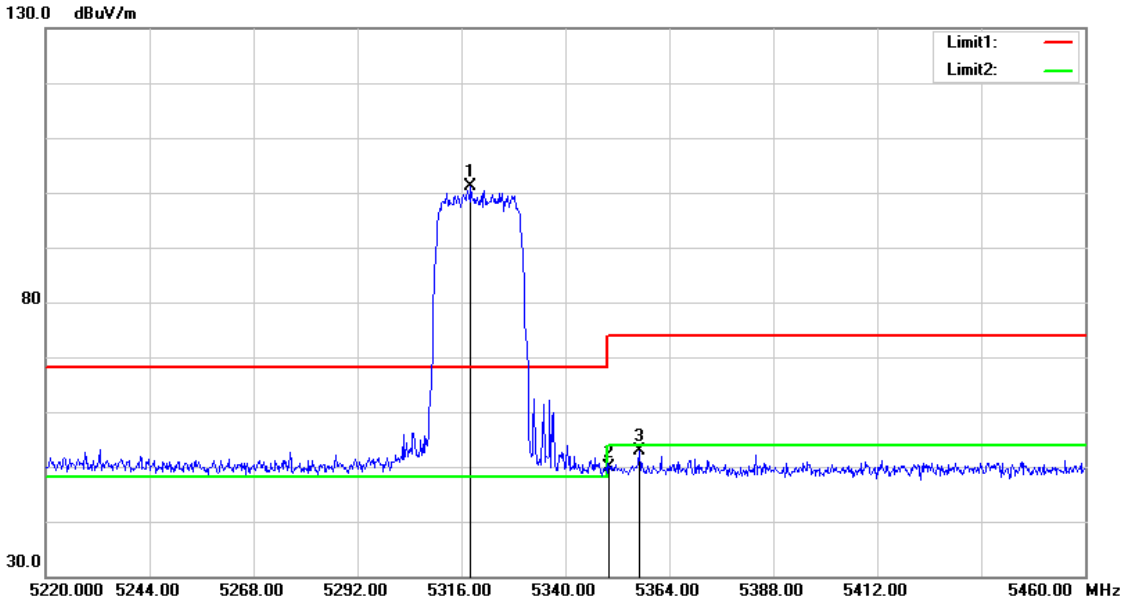
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5070.760	52.97	-0.12	52.85	74.00	-21.15	peak
2	5150.000	50.61	0.05	50.66	74.00	-23.34	peak
3	5177.160	100.89	0.11	101.00	68.20	32.80	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5180 MHz		
Mode:	802.11ax HE20		
Ant.Polar.:	Vertical		



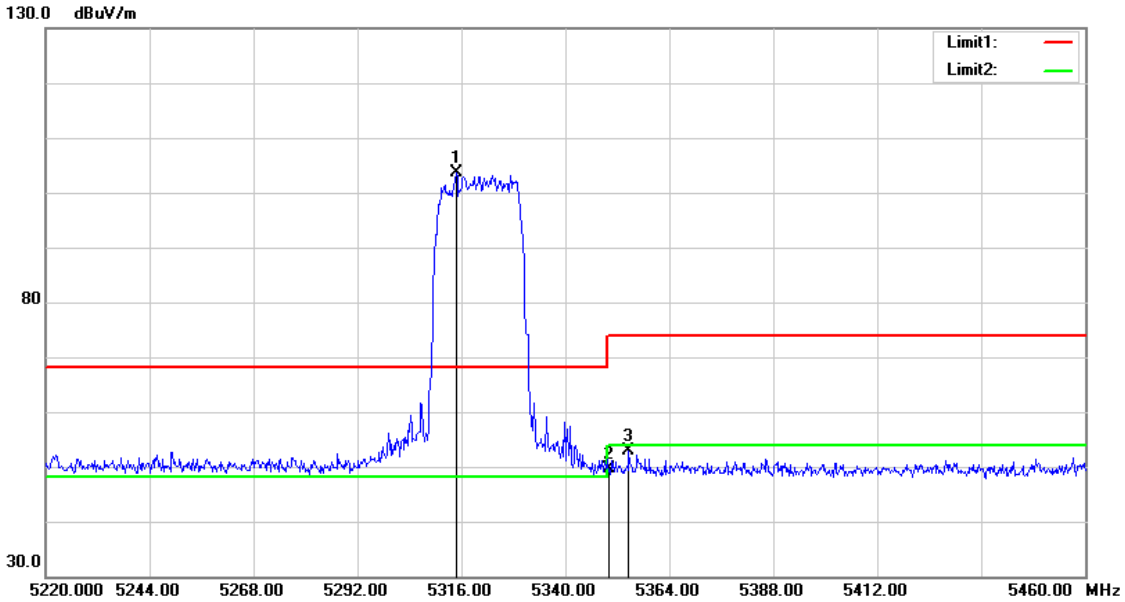
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5110.280	53.37	-0.03	53.34	74.00	-20.66	peak
2	5150.000	50.90	0.05	50.95	74.00	-23.05	peak
3	5174.120	101.10	0.10	101.20	68.20	33.00	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5320 MHz		
Mode:	802.11ax HE20		
Ant.Polar.:	Horizontal		



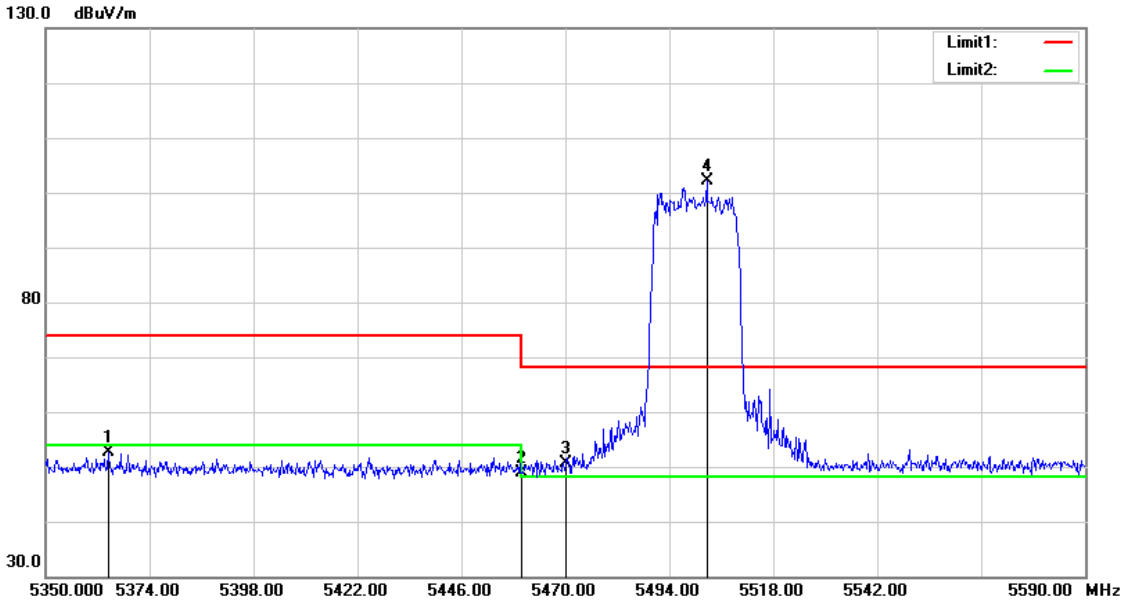
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5318.160	100.64	0.40	101.04	68.20	32.84	peak
2	5350.000	49.53	0.47	50.00	74.00	-24.00	peak
3	5357.040	52.48	0.48	52.96	74.00	-21.04	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5320 MHz		
Mode:	802.11ax HE20		
Ant.Polar.:	Vertical		



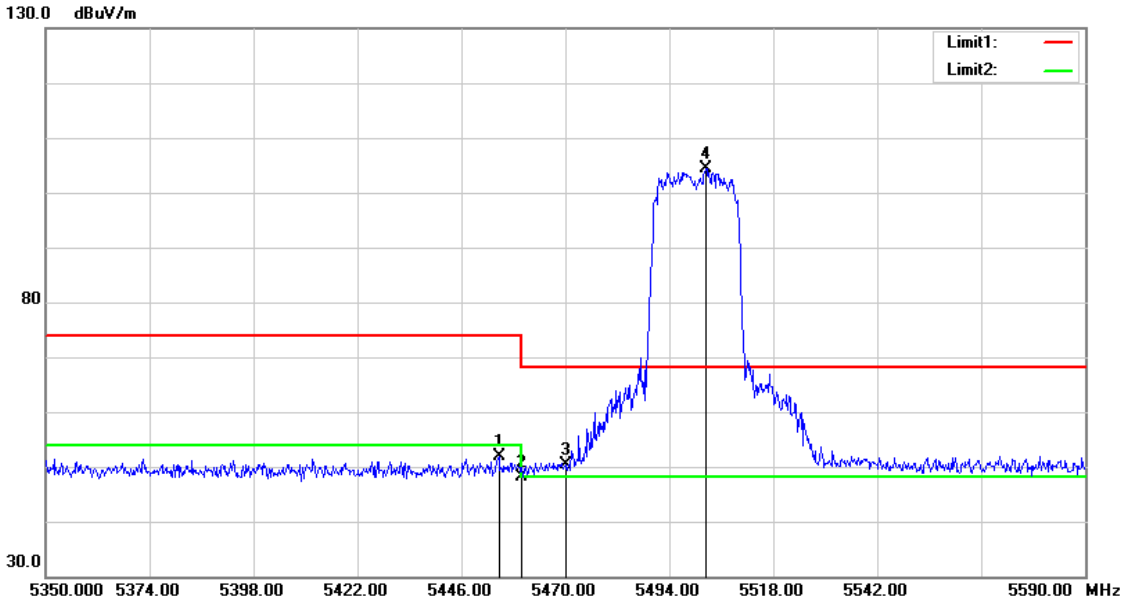
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5314.800	103.20	0.39	103.59	68.20	35.39	peak
2	5350.000	49.16	0.47	49.63	74.00	-24.37	peak
3	5354.640	52.48	0.47	52.95	74.00	-21.05	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5500 MHz		
Mode:	802.11ax HE20		
Ant.Polar.:	Horizontal		



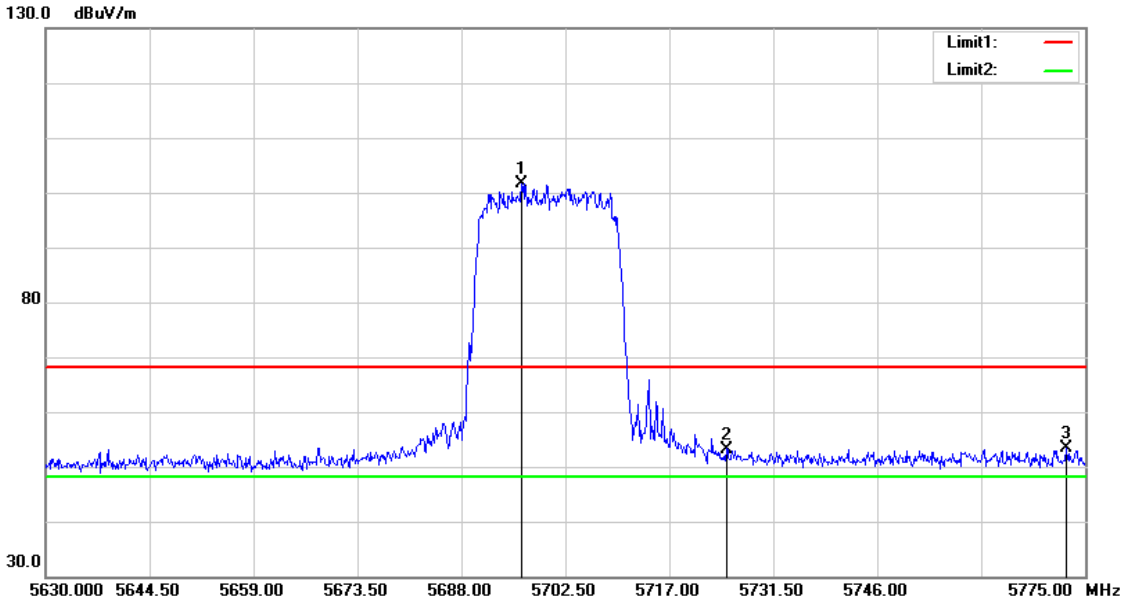
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5364.400	52.10	0.49	52.59	74.00	-21.41	peak
2	5460.000	48.26	0.70	48.96	74.00	-25.04	peak
3	5470.000	49.95	0.71	50.66	68.20	-17.54	peak
4	5502.640	101.46	0.78	102.24	68.20	34.04	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5500 MHz		
Mode:	802.11ax HE20		
Ant.Polar.:	Vertical		



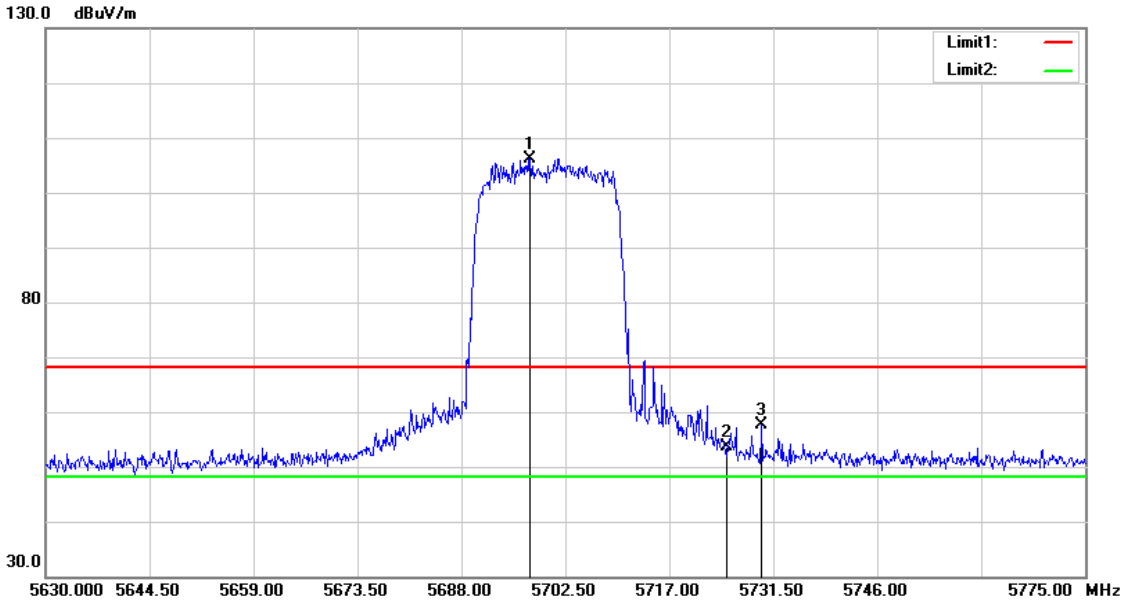
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5454.640	51.13	0.67	51.80	74.00	-22.20	peak
2	5460.000	47.47	0.70	48.17	74.00	-25.83	peak
3	5470.000	49.74	0.71	50.45	68.20	-17.75	peak
4	5502.400	103.72	0.78	104.50	68.20	36.30	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5700 MHz		
Mode:	802.11ax HE20		
Ant.Polar.:	Horizontal		



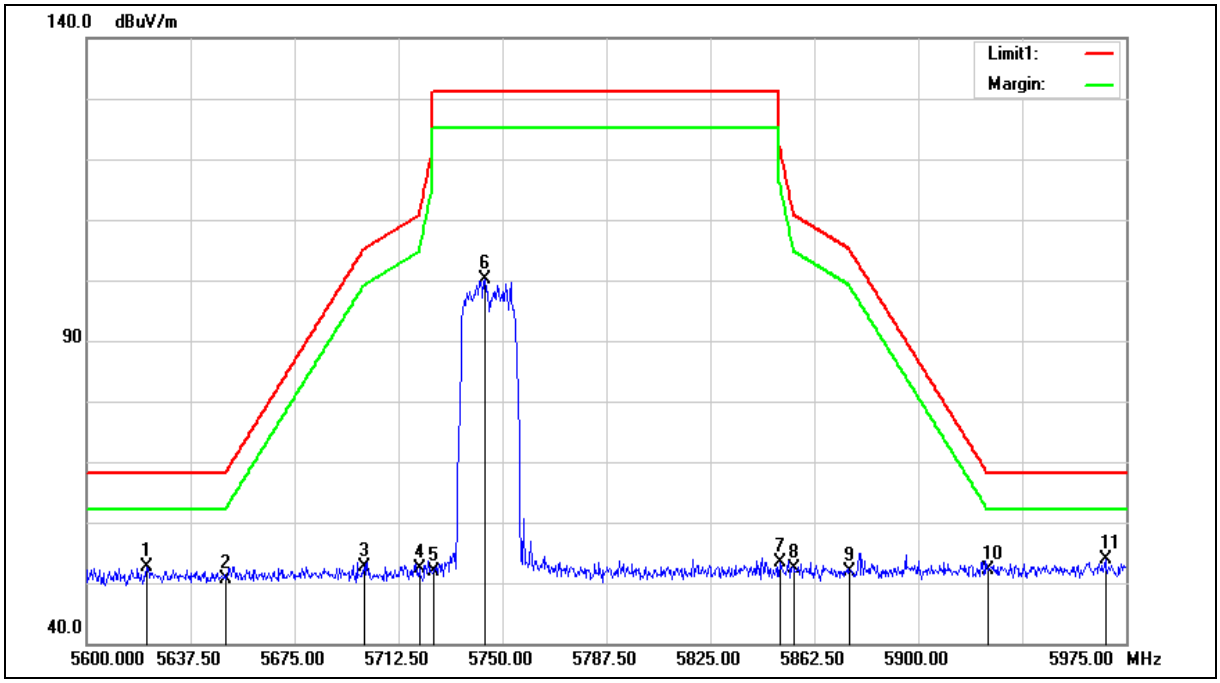
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5696.410	100.42	1.31	101.73	68.20	33.53	peak
2	5725.000	51.81	1.38	53.19	68.20	-15.01	peak
3	5772.390	51.77	1.51	53.28	68.20	-14.92	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5700 MHz		
Mode:	802.11ax HE20		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5697.570	104.94	1.31	106.25	68.20	38.05	peak
2	5725.000	52.18	1.38	53.56	68.20	-14.64	peak
3	5729.905	56.12	1.39	57.51	68.20	-10.69	peak

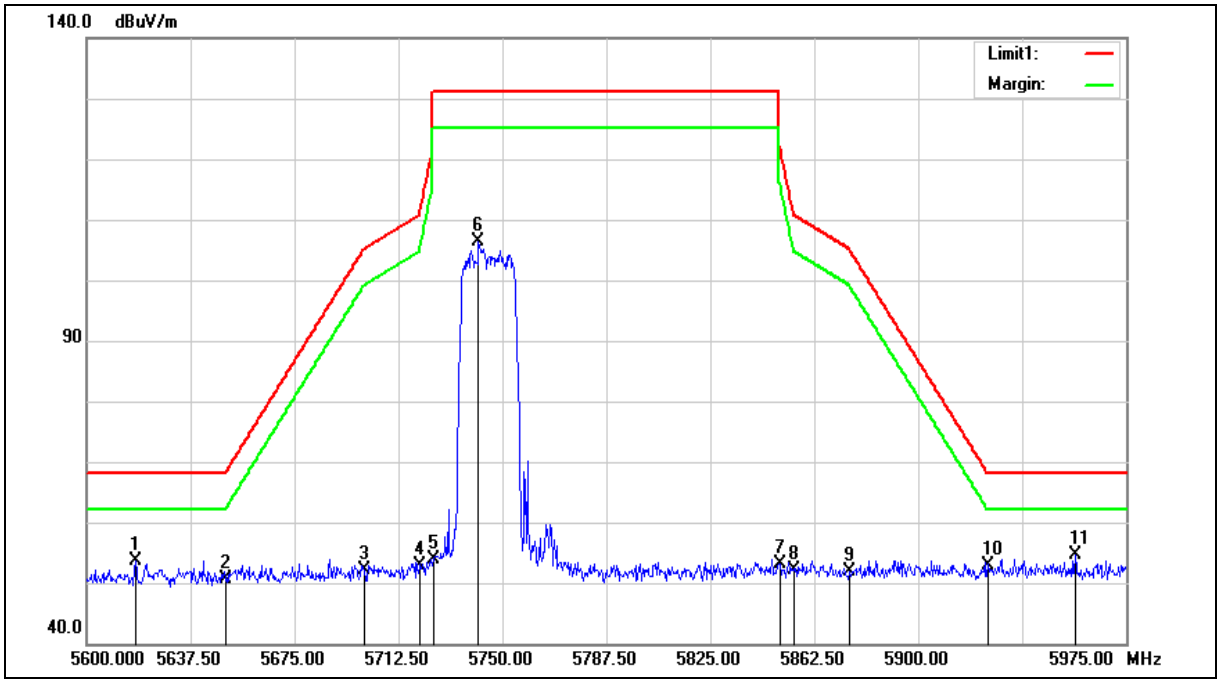
Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5745 MHz		
Mode:	802.11ax HE20		
Ant.Polar.:	Horizontal		



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5745 MHz		
Mode:	802.11ax HE20		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5621.750	51.48	1.10	52.58	68.20	-15.62	peak
2	5650.000	49.43	1.17	50.60	68.20	-17.60	peak
3	5700.000	51.36	1.31	52.67	105.20	-52.53	peak
4	5720.000	51.07	1.37	52.44	110.80	-58.36	peak
5	5725.000	50.62	1.38	52.00	122.20	-70.20	peak
6	5743.625	98.60	1.43	100.03	131.20	-31.17	peak
7	5850.000	51.64	1.72	53.36	122.20	-68.84	peak
8	5855.000	50.76	1.73	52.49	110.80	-58.31	peak
9	5875.000	50.12	1.79	51.91	105.20	-53.29	peak
10	5925.000	50.21	1.92	52.13	68.20	-16.07	peak
11	5967.500	51.86	2.04	53.90	68.20	-14.30	peak

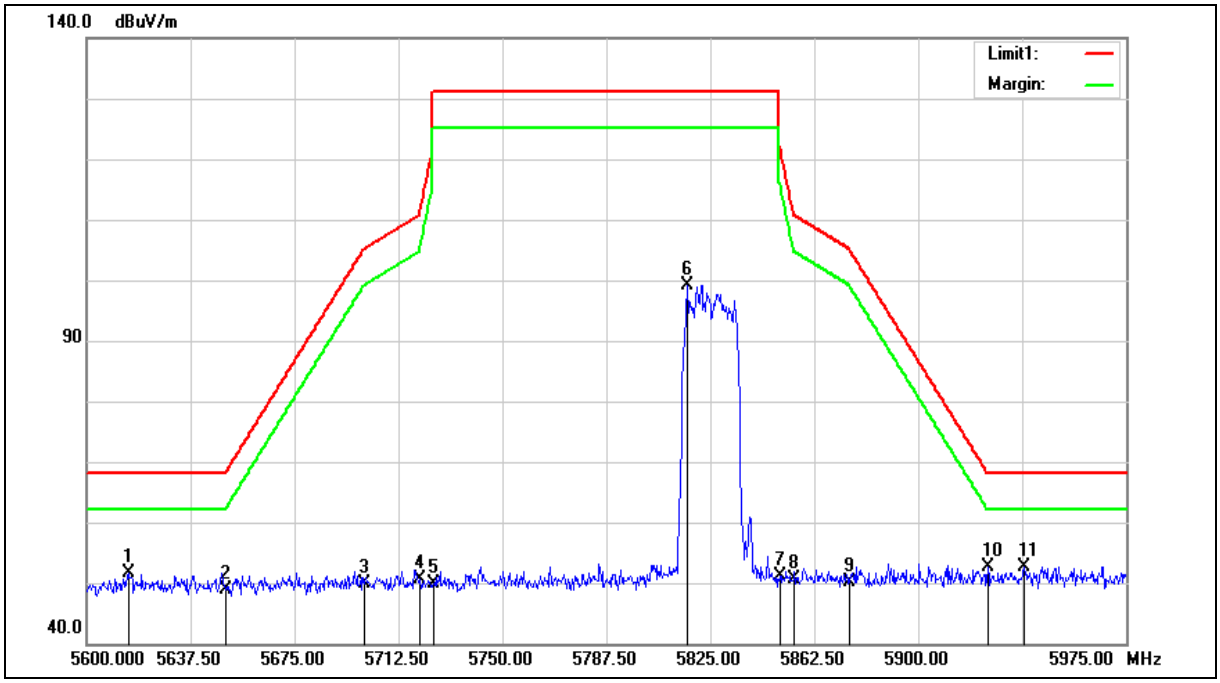
Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5745 MHz		
Mode:	802.11ax HE20		
Ant.Polar.:	Vertical		



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5745 MHz		
Mode:	802.11ax HE20		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5617.625	52.62	1.09	53.71	68.20	-14.49	peak
2	5650.000	49.53	1.17	50.70	68.20	-17.50	peak
3	5700.000	50.78	1.31	52.09	105.20	-53.11	peak
4	5720.000	51.57	1.37	52.94	110.80	-57.86	peak
5	5725.000	52.38	1.38	53.76	122.20	-68.44	peak
6	5741.375	104.86	1.42	106.28	131.20	-24.92	peak
7	5850.000	51.44	1.72	53.16	122.20	-69.04	peak
8	5855.000	50.38	1.73	52.11	110.80	-58.69	peak
9	5875.000	50.02	1.79	51.81	105.20	-53.39	peak
10	5925.000	51.08	1.92	53.00	68.20	-15.20	peak
11	5956.625	52.69	2.01	54.70	68.20	-13.50	peak

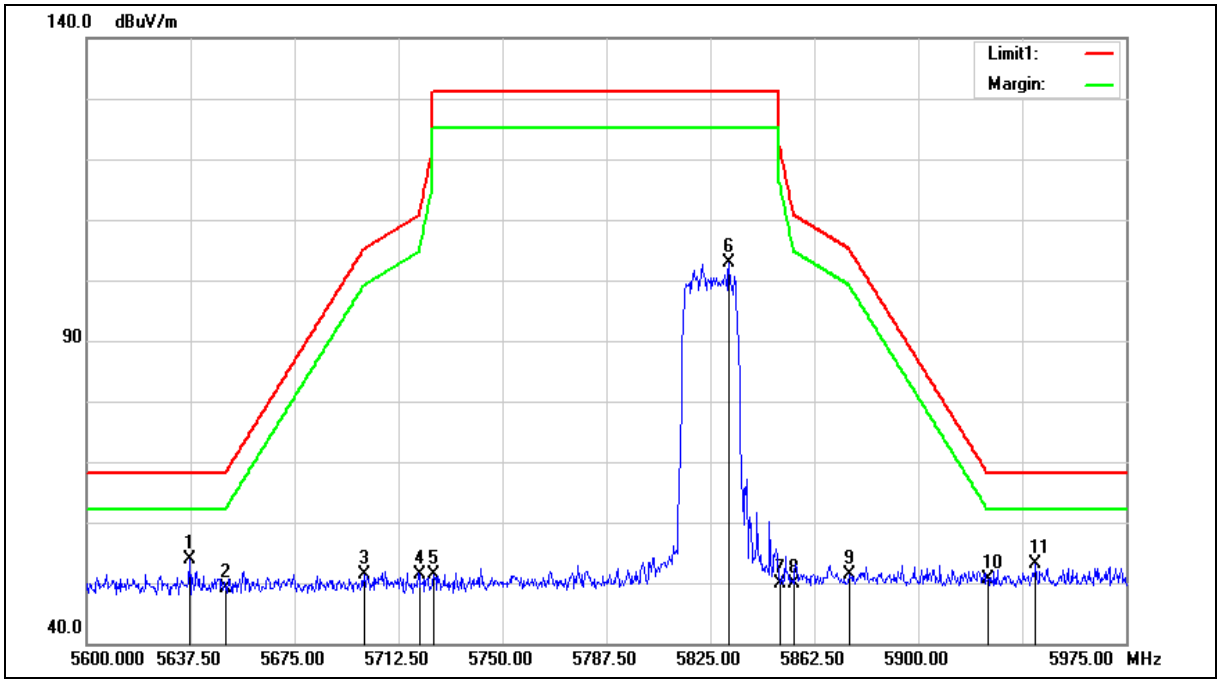
Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5825 MHz		
Mode:	802.11ax HE20		
Ant.Polar.:	Horizontal		



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5825 MHz		
Mode:	802.11ax HE20		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5615.000	50.54	1.09	51.63	68.20	-16.57	peak
2	5650.000	47.73	1.17	48.90	68.20	-19.30	peak
3	5700.000	48.61	1.31	49.92	105.20	-55.28	peak
4	5720.000	49.33	1.37	50.70	110.80	-60.10	peak
5	5725.000	48.41	1.38	49.79	122.20	-72.41	peak
6	5816.750	97.51	1.63	99.14	131.20	-32.06	peak
7	5850.000	49.49	1.72	51.21	122.20	-70.99	peak
8	5855.000	48.88	1.73	50.61	110.80	-60.19	peak
9	5875.000	48.31	1.79	50.10	105.20	-55.10	peak
10	5925.000	50.67	1.92	52.59	68.20	-15.61	peak
11	5938.250	50.77	1.95	52.72	68.20	-15.48	peak

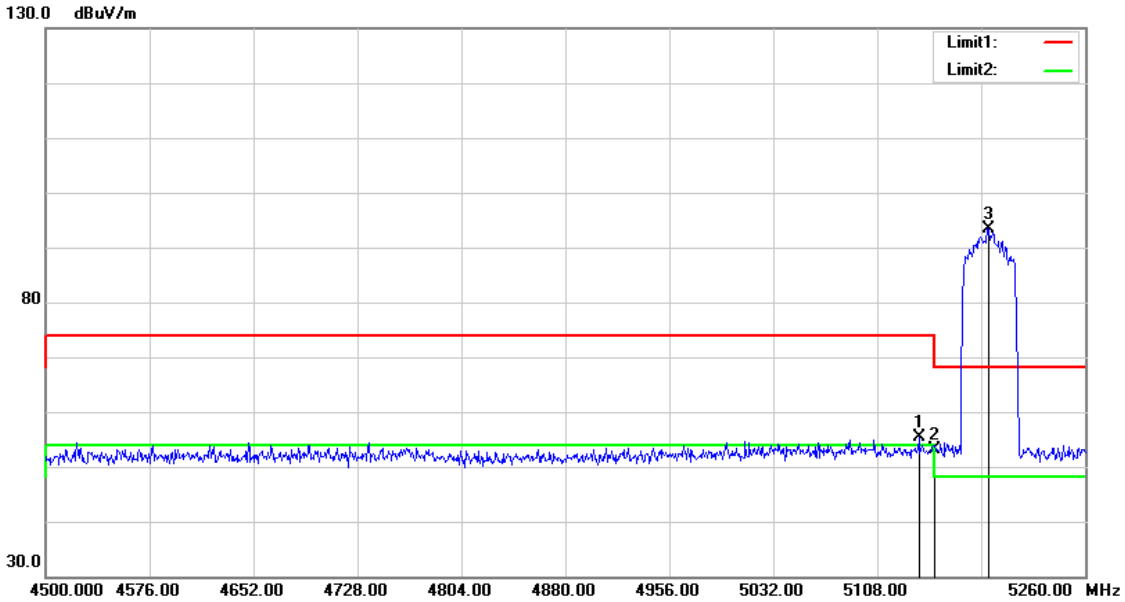
Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5825 MHz		
Mode:	802.11ax HE20		
Ant.Polar.:	Vertical		



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5825 MHz		
Mode:	802.11ax HE20		
Ant.Polar.:	Vertical		

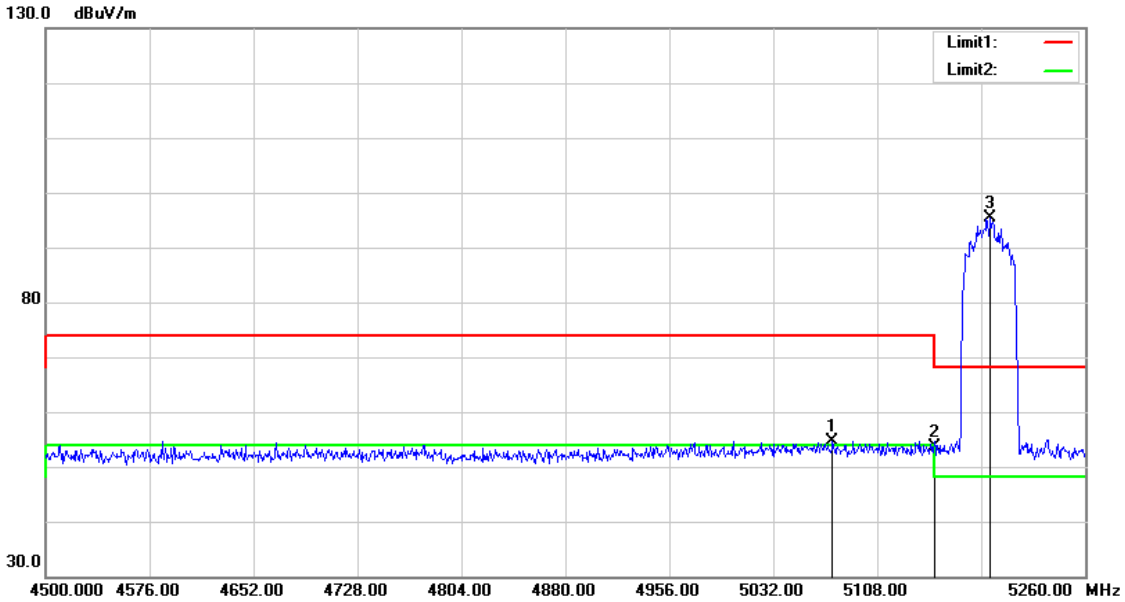
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5637.125	52.85	1.14	53.99	68.20	-14.21	peak
2	5650.000	47.89	1.17	49.06	68.20	-19.14	peak
3	5700.000	50.19	1.31	51.50	105.20	-53.70	peak
4	5720.000	50.11	1.37	51.48	110.80	-59.32	peak
5	5725.000	49.90	1.38	51.28	122.20	-70.92	peak
6	5831.750	101.13	1.67	102.80	131.20	-28.40	peak
7	5850.000	48.20	1.72	49.92	122.20	-72.28	peak
8	5855.000	48.26	1.73	49.99	110.80	-60.81	peak
9	5875.000	49.70	1.79	51.49	105.20	-53.71	peak
10	5925.000	48.77	1.92	50.69	68.20	-17.51	peak
11	5942.375	51.05	1.97	53.02	68.20	-15.18	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5190 MHz		
Mode:	802.11ax HE40		
Ant.Polar.:	Horizontal		



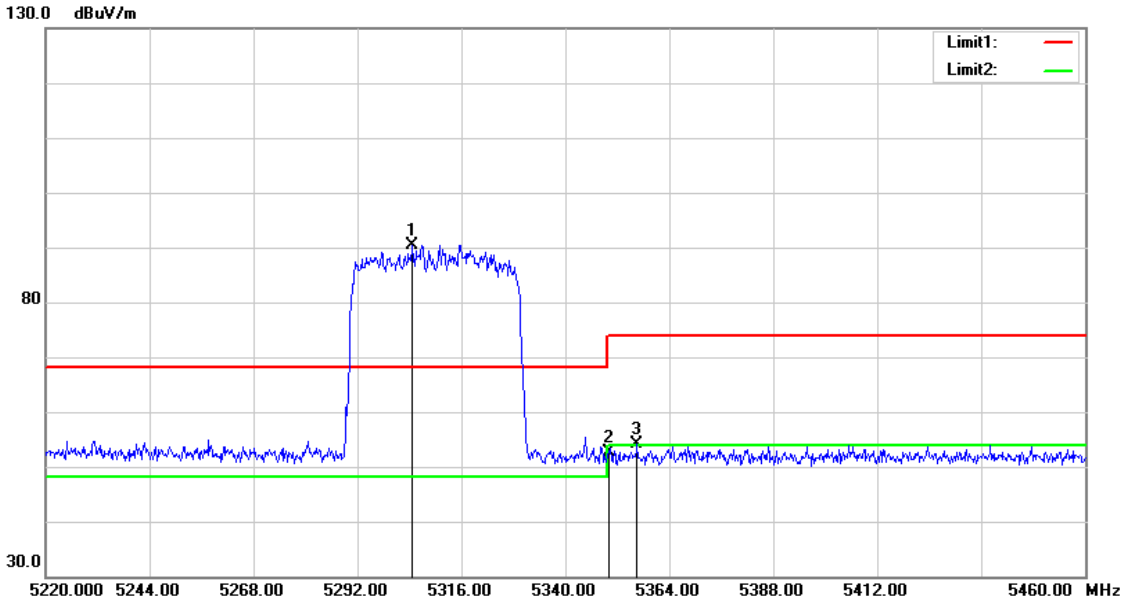
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5138.400	53.14	2.28	55.42	74.00	-18.58	peak
2	5150.000	50.94	2.31	53.25	74.00	-20.75	peak
3	5189.320	90.98	2.41	93.39	68.20	25.19	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5190 MHz		
Mode:	802.11ax HE40		
Ant.Polar.:	Vertical		



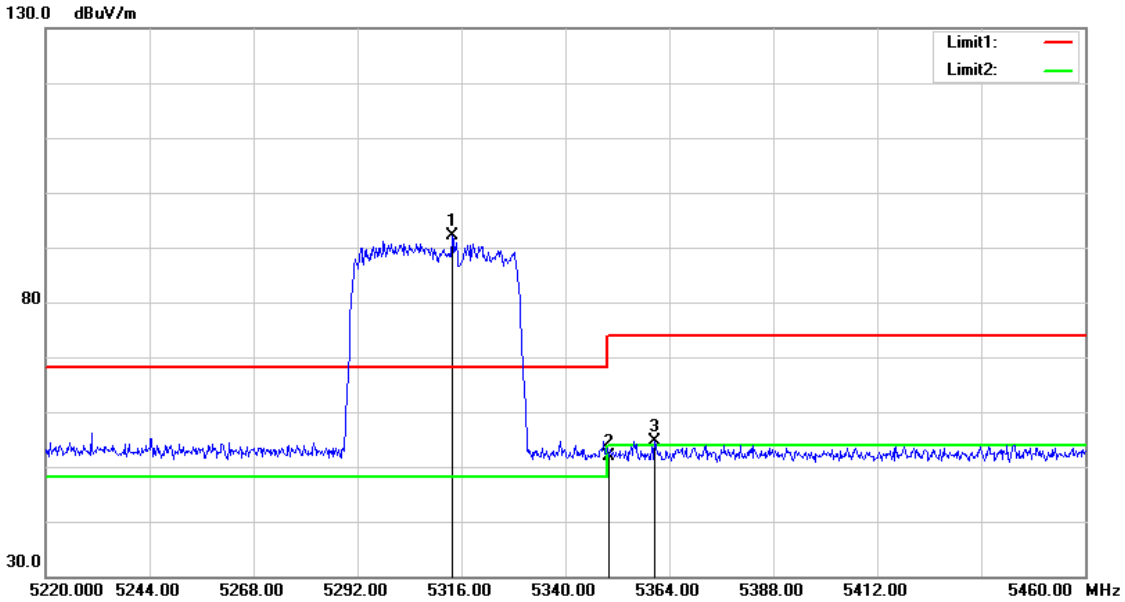
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5075.320	52.61	2.13	54.74	74.00	-19.26	peak
2	5150.000	51.34	2.31	53.65	74.00	-20.35	peak
3	5190.840	92.86	2.41	95.27	68.20	27.07	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5310 MHz		
Mode:	802.11ax HE40		
Ant.Polar.:	Horizontal		



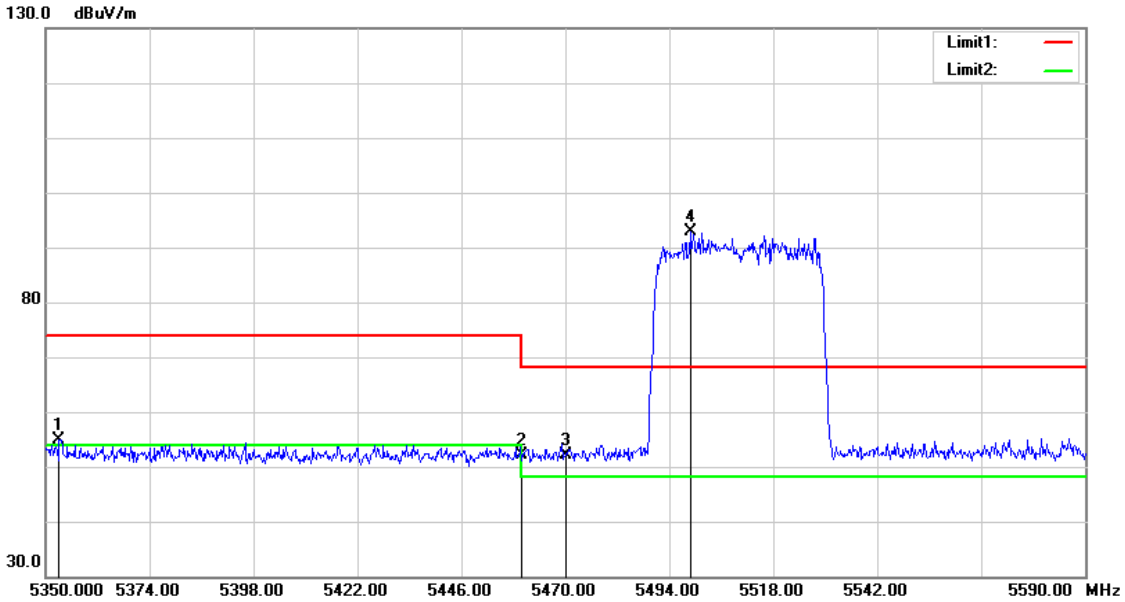
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5304.720	87.81	2.69	90.50	68.20	22.30	peak
2	5350.000	49.89	2.81	52.70	74.00	-21.30	peak
3	5356.560	51.35	2.82	54.17	74.00	-19.83	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5310 MHz		
Mode:	802.11ax HE40		
Ant.Polar.:	Vertical		



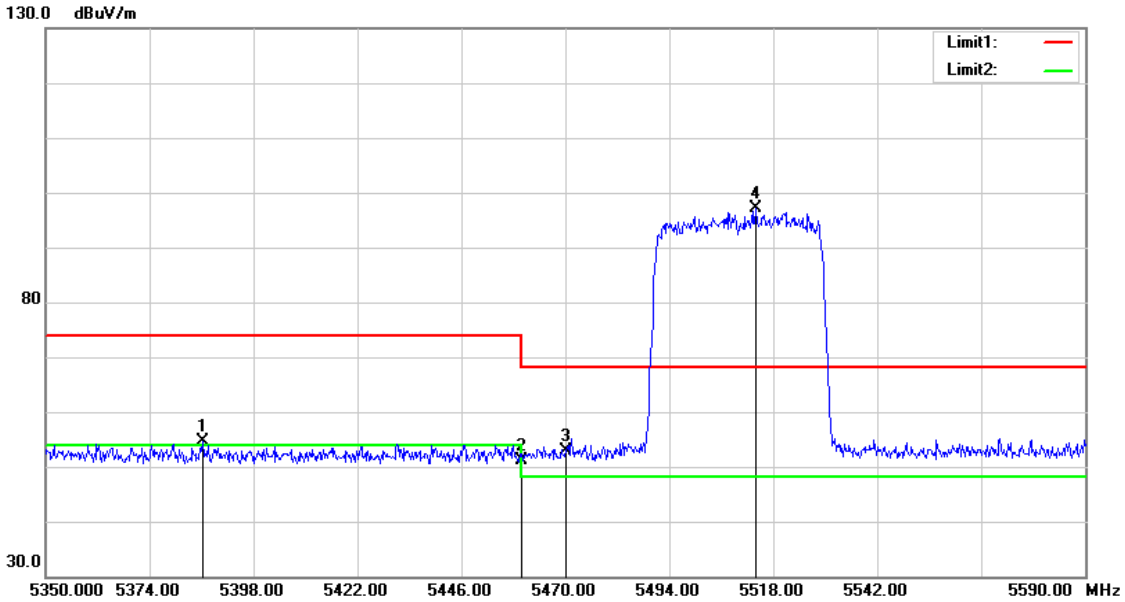
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5313.840	89.40	2.72	92.12	68.20	23.92	peak
2	5350.000	48.98	2.81	51.79	74.00	-22.21	peak
3	5360.640	51.81	2.82	54.63	74.00	-19.37	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5510 MHz		
Mode:	802.11ax HE40		
Ant.Polar.:	Horizontal		



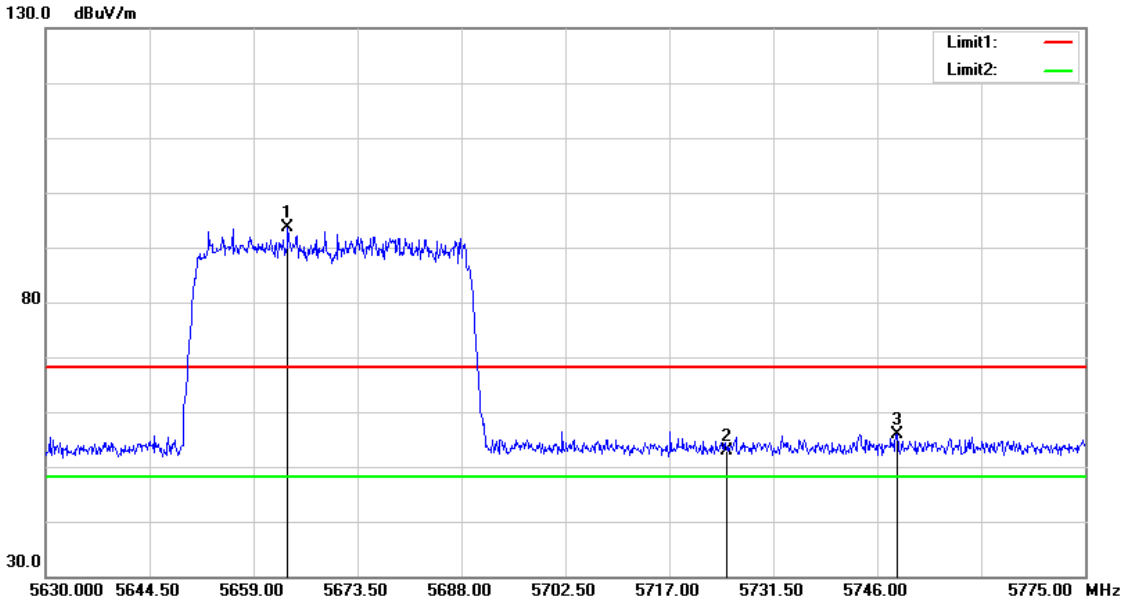
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5353.120	52.13	2.81	54.94	74.00	-19.06	peak
2	5460.000	49.14	3.08	52.22	74.00	-21.78	peak
3	5470.000	49.03	3.10	52.13	68.20	-16.07	peak
4	5498.800	89.78	3.17	92.95	68.20	24.75	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5510 MHz		
Mode:	802.11ax HE40		
Ant.Polar.:	Vertical		



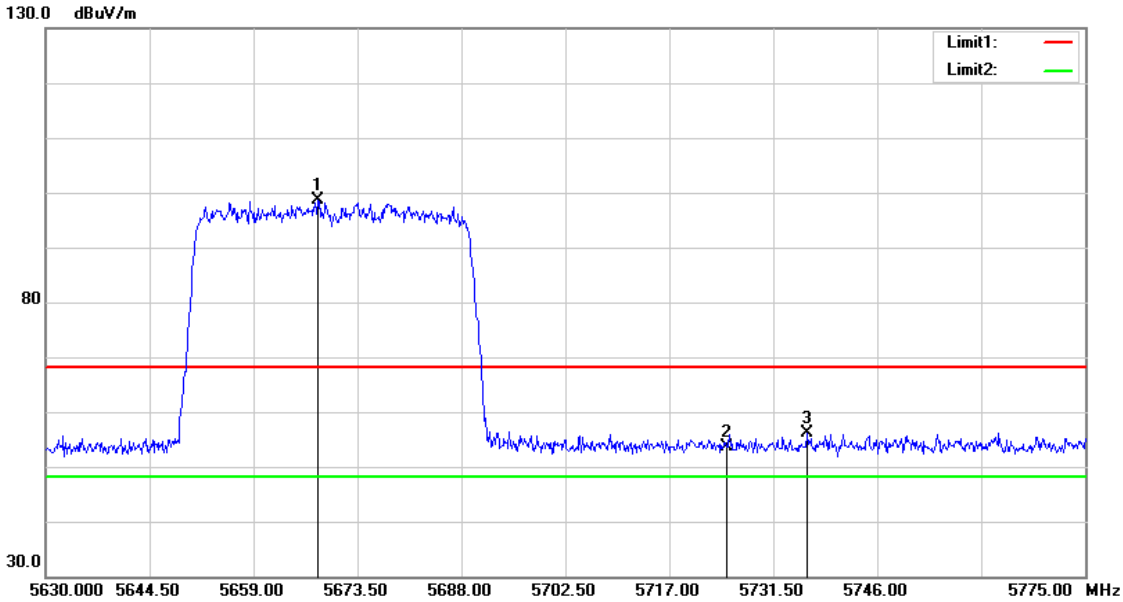
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5386.240	51.63	2.89	54.52	74.00	-19.48	peak
2	5460.000	47.96	3.08	51.04	74.00	-22.96	peak
3	5470.000	49.78	3.10	52.88	68.20	-15.32	peak
4	5513.920	93.94	3.21	97.15	68.20	28.95	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5670 MHz		
Mode:	802.11ax HE40		
Ant.Polar.:	Horizontal		



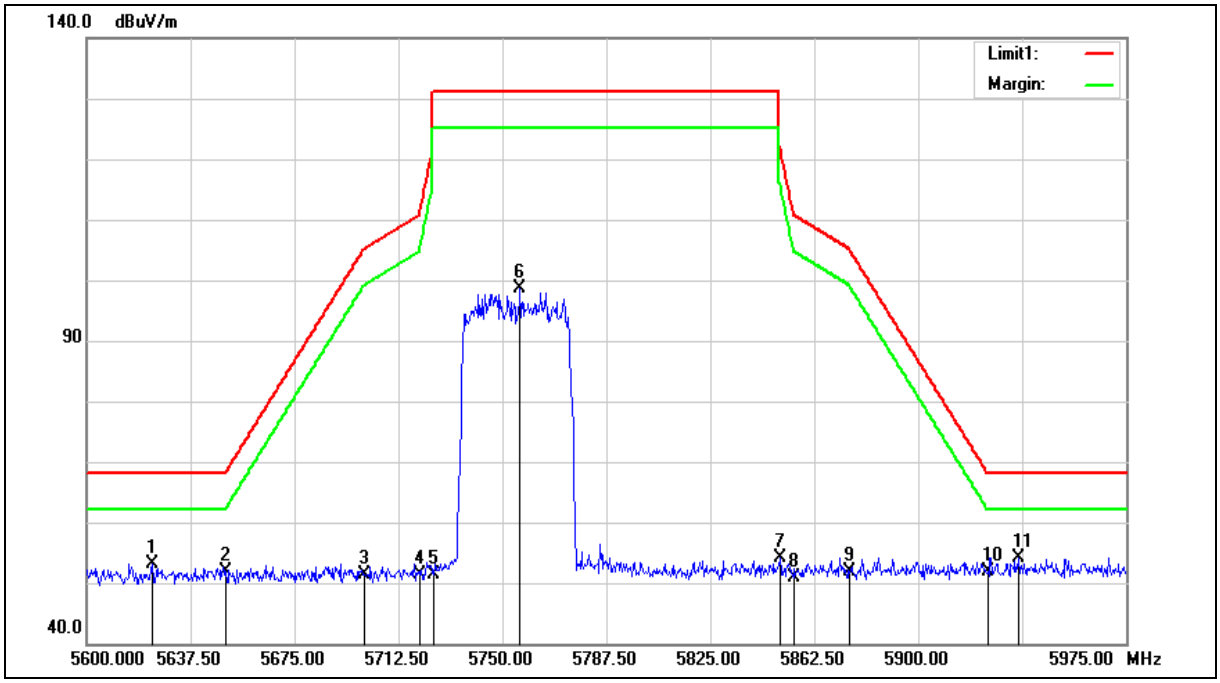
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5663.785	90.08	3.51	93.59	68.20	25.39	peak
2	5725.000	49.11	3.65	52.76	68.20	-15.44	peak
3	5748.755	52.21	3.70	55.91	68.20	-12.29	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5670 MHz		
Mode:	802.11ax HE40		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5667.990	95.15	3.53	98.68	68.20	30.48	peak
2	5725.000	50.00	3.65	53.65	68.20	-14.55	peak
3	5736.285	52.43	3.67	56.10	68.20	-12.10	peak

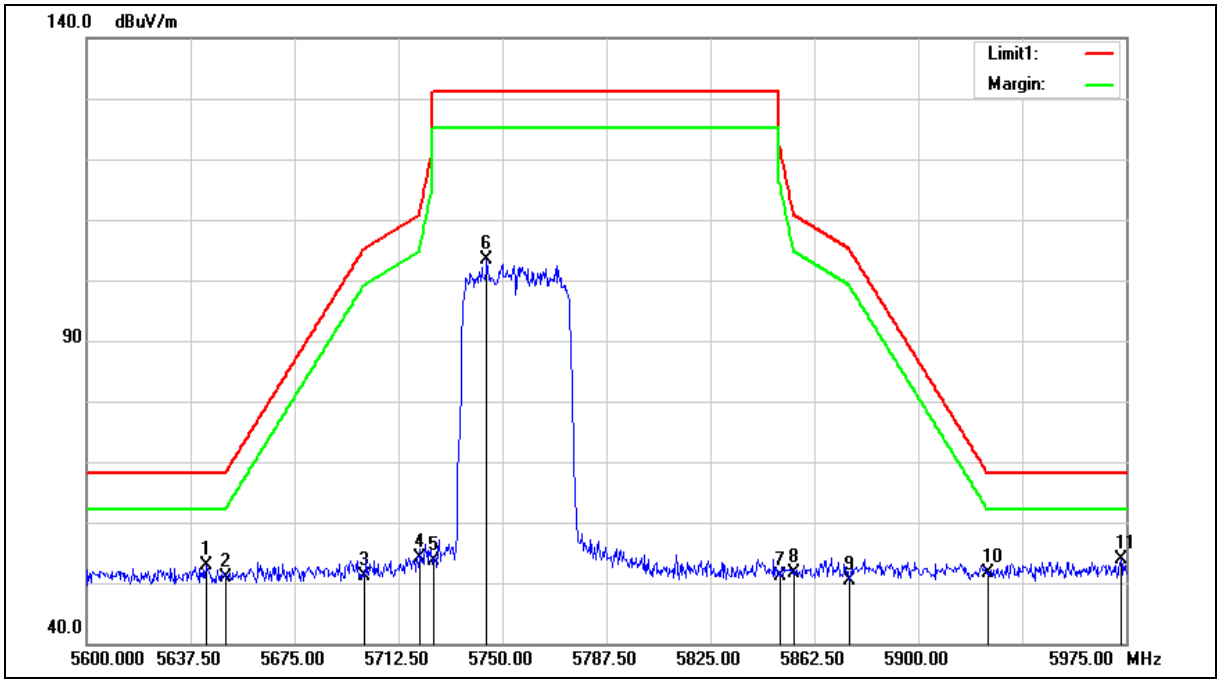
Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5755 MHz		
Mode:	802.11ax HE40		
Ant.Polar.:	Horizontal		



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5755 MHz		
Mode:	802.11ax HE40		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5623.625	52.07	1.11	53.18	68.20	-15.02	peak
2	5650.000	50.78	1.17	51.95	68.20	-16.25	peak
3	5700.000	50.18	1.31	51.49	105.20	-53.71	peak
4	5720.000	50.08	1.37	51.45	110.80	-59.35	peak
5	5725.000	50.06	1.38	51.44	122.20	-70.76	peak
6	5756.375	97.18	1.46	98.64	131.20	-32.56	peak
7	5850.000	52.29	1.72	54.01	122.20	-68.19	peak
8	5855.000	49.23	1.73	50.96	110.80	-59.84	peak
9	5875.000	50.04	1.79	51.83	105.20	-53.37	peak
10	5925.000	49.87	1.92	51.79	68.20	-16.41	peak
11	5936.375	52.29	1.94	54.23	68.20	-13.97	peak

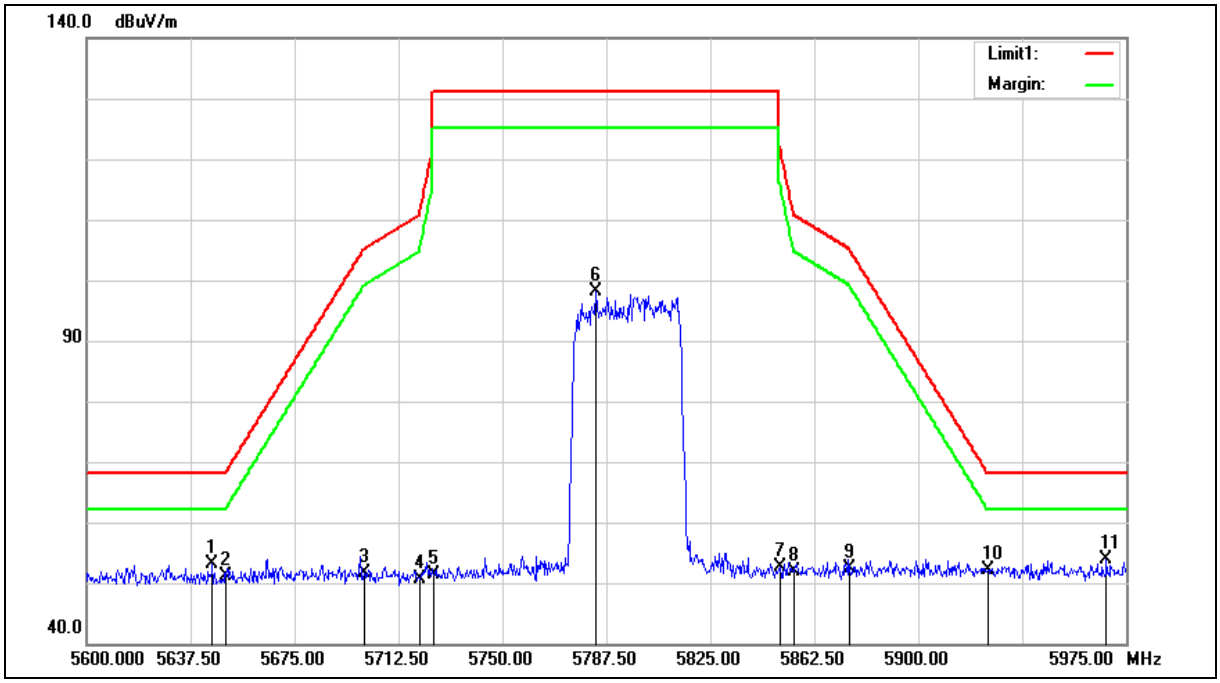
Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5755 MHz		
Mode:	802.11ax HE40		
Ant.Polar.:	Vertical		



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5755 MHz		
Mode:	802.11ax HE40		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5643.125	51.73	1.16	52.89	68.20	-15.31	peak
2	5650.000	49.68	1.17	50.85	68.20	-17.35	peak
3	5700.000	49.94	1.31	51.25	105.20	-53.95	peak
4	5720.000	52.64	1.37	54.01	110.80	-56.79	peak
5	5725.000	52.15	1.38	53.53	122.20	-68.67	peak
6	5744.375	101.90	1.43	103.33	131.20	-27.87	peak
7	5850.000	49.43	1.72	51.15	122.20	-71.05	peak
8	5855.000	49.97	1.73	51.70	110.80	-59.10	peak
9	5875.000	48.70	1.79	50.49	105.20	-54.71	peak
10	5925.000	49.78	1.92	51.70	68.20	-16.50	peak
11	5973.125	51.82	2.05	53.87	68.20	-14.33	peak

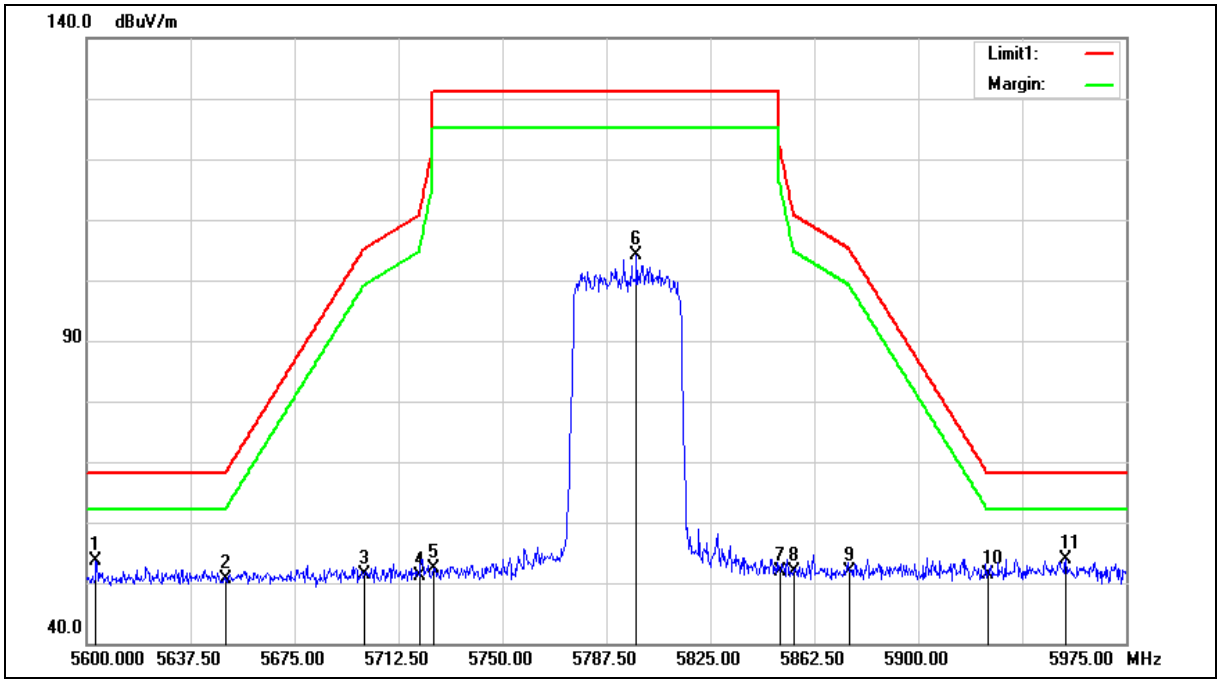
Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5795 MHz		
Mode:	802.11ax HE40		
Ant.Polar.:	Horizontal		



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5795 MHz		
Mode:	802.11ax HE40		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5645.375	51.92	1.16	53.08	68.20	-15.12	peak
2	5650.000	49.99	1.17	51.16	68.20	-17.04	peak
3	5700.000	50.22	1.31	51.53	105.20	-53.67	peak
4	5720.000	49.21	1.37	50.58	110.80	-60.22	peak
5	5725.000	49.99	1.38	51.37	122.20	-70.83	peak
6	5783.750	96.51	1.54	98.05	131.20	-33.15	peak
7	5850.000	50.89	1.72	52.61	122.20	-69.59	peak
8	5855.000	50.09	1.73	51.82	110.80	-58.98	peak
9	5875.000	50.68	1.79	52.47	105.20	-52.73	peak
10	5925.000	50.24	1.92	52.16	68.20	-16.04	peak
11	5967.875	51.90	2.04	53.94	68.20	-14.26	peak

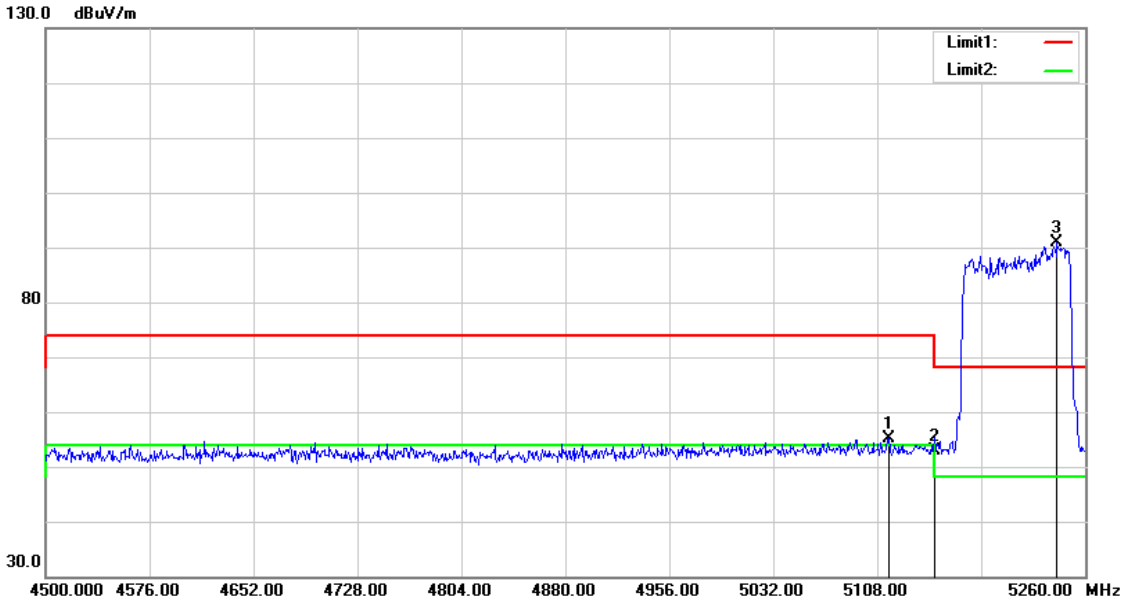
Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5795 MHz		
Mode:	802.11ax HE40		
Ant.Polar.:	Vertical		



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5795 MHz		
Mode:	802.11ax HE40		
Ant.Polar.:	Vertical		

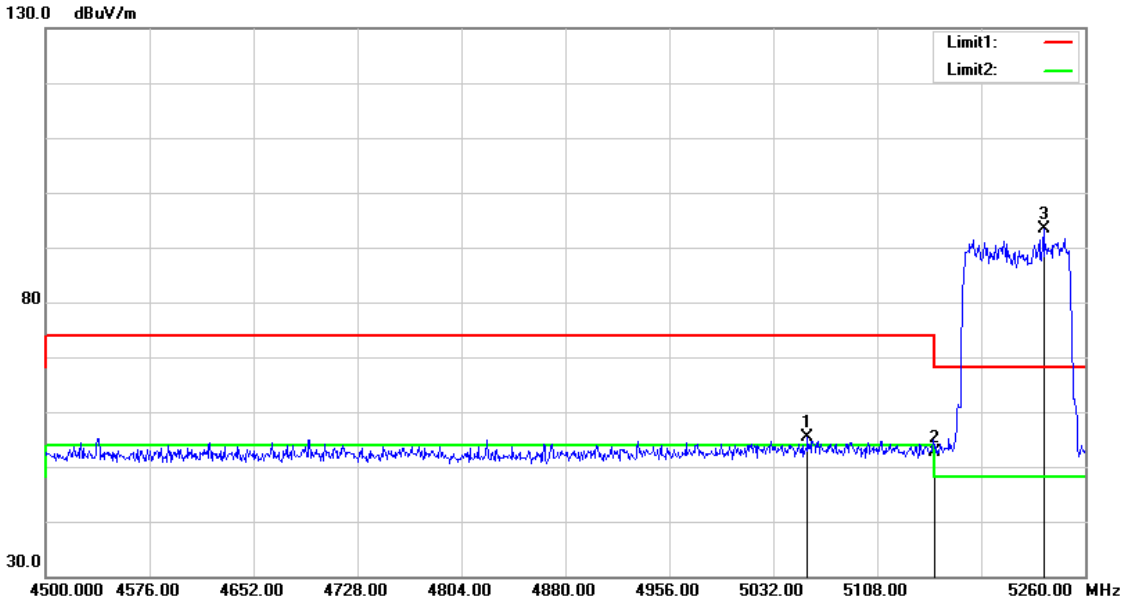
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5603.375	52.53	1.05	53.58	68.20	-14.62	peak
2	5650.000	49.35	1.17	50.52	68.20	-17.68	peak
3	5700.000	50.13	1.31	51.44	105.20	-53.76	peak
4	5720.000	49.76	1.37	51.13	110.80	-59.67	peak
5	5725.000	50.95	1.38	52.33	122.20	-69.87	peak
6	5798.375	102.49	1.58	104.07	131.20	-27.13	peak
7	5850.000	50.10	1.72	51.82	122.20	-70.38	peak
8	5855.000	50.12	1.73	51.85	110.80	-58.95	peak
9	5875.000	50.07	1.79	51.86	105.20	-53.34	peak
10	5925.000	49.46	1.92	51.38	68.20	-16.82	peak
11	5953.250	51.94	1.99	53.93	68.20	-14.27	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5210 MHz		
Mode:	802.11ax HE80		
Ant.Polar.:	Horizontal		



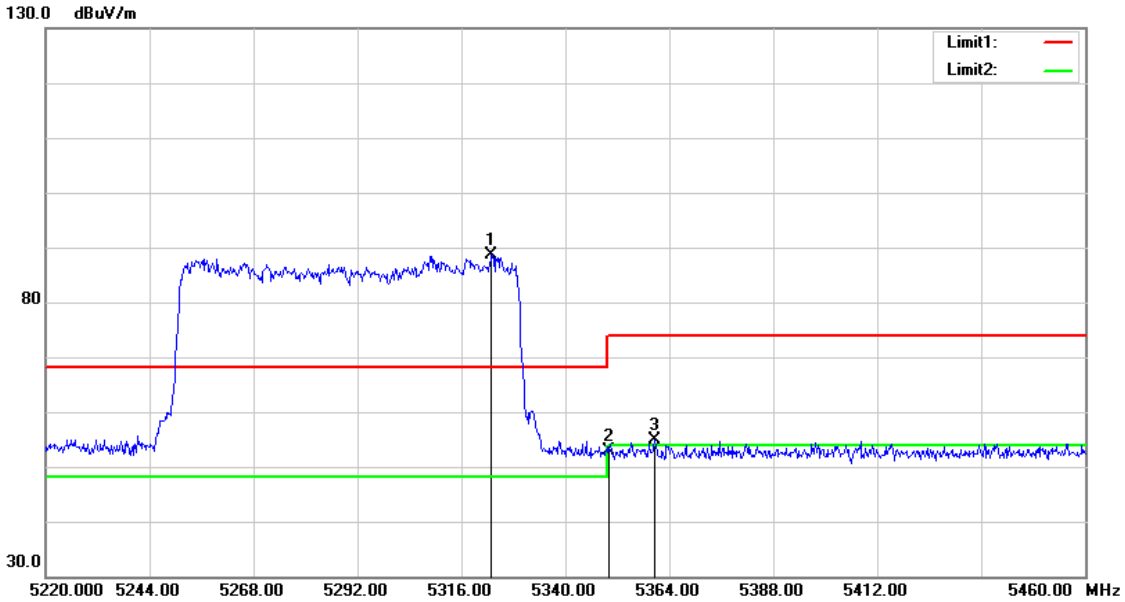
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5116.360	52.92	2.22	55.14	74.00	-18.86	peak
2	5150.000	50.69	2.31	53.00	74.00	-21.00	peak
3	5239.480	88.28	2.53	90.81	68.20	22.61	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5210 MHz		
Mode:	802.11ax HE80		
Ant.Polar.:	Vertical		



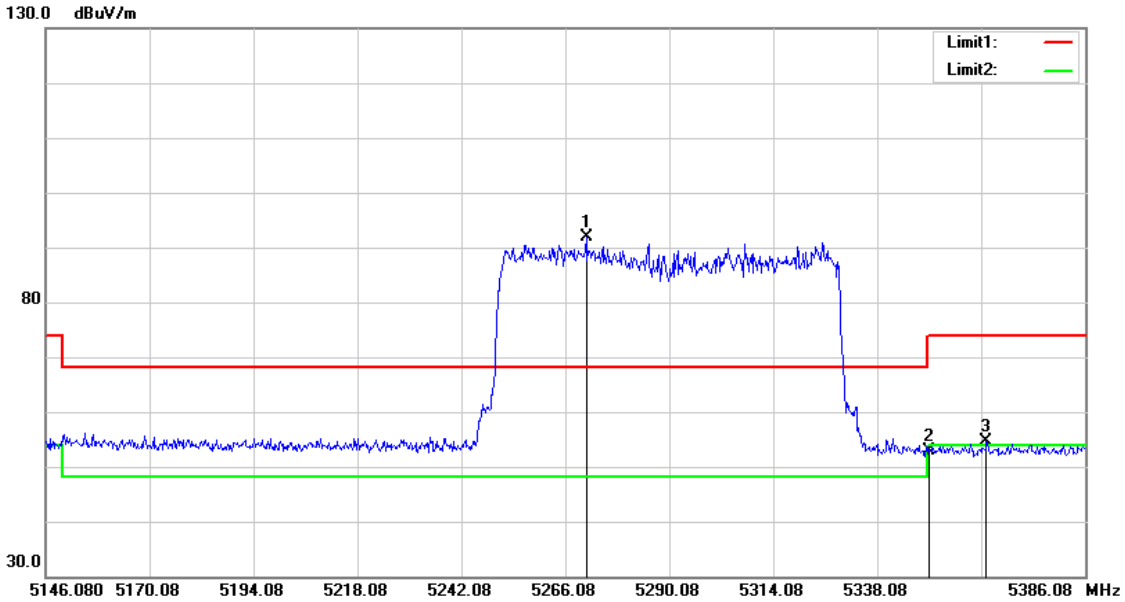
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5057.080	53.23	2.08	55.31	74.00	-18.69	peak
2	5150.000	50.32	2.31	52.63	74.00	-21.37	peak
3	5229.600	90.76	2.51	93.27	68.20	25.07	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5290 MHz		
Mode:	802.11ax HE80		
Ant.Polar.:	Horizontal		



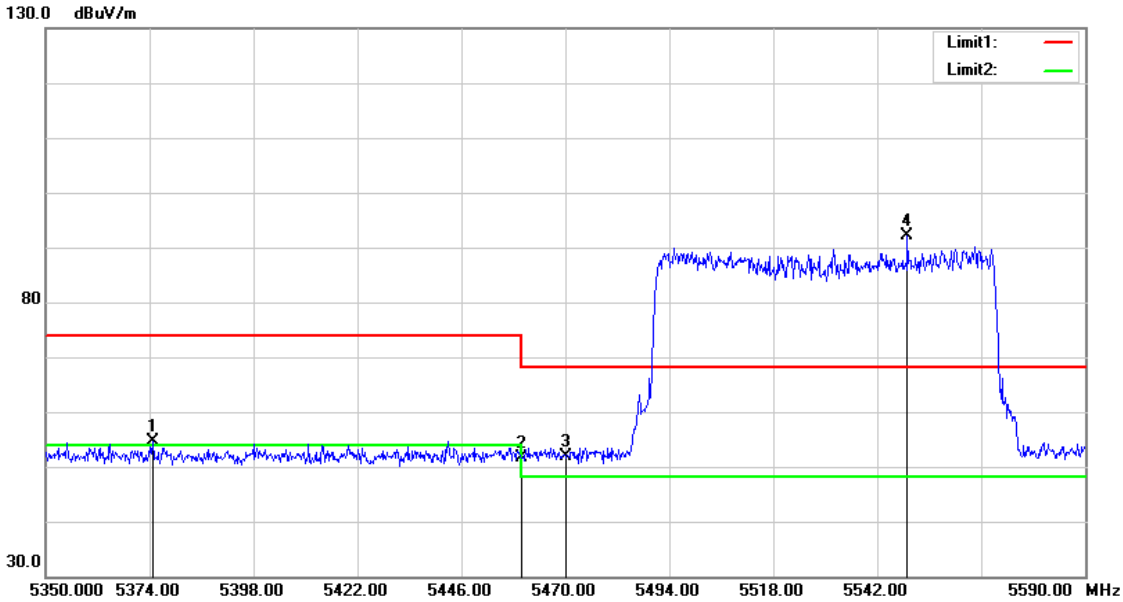
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5322.960	85.99	2.74	88.73	68.20	20.53	peak
2	5350.000	50.16	2.81	52.97	74.00	-21.03	peak
3	5360.640	52.04	2.82	54.86	74.00	-19.14	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5290 MHz		
Mode:	802.11ax HE80		
Ant.Polar.:	Vertical		



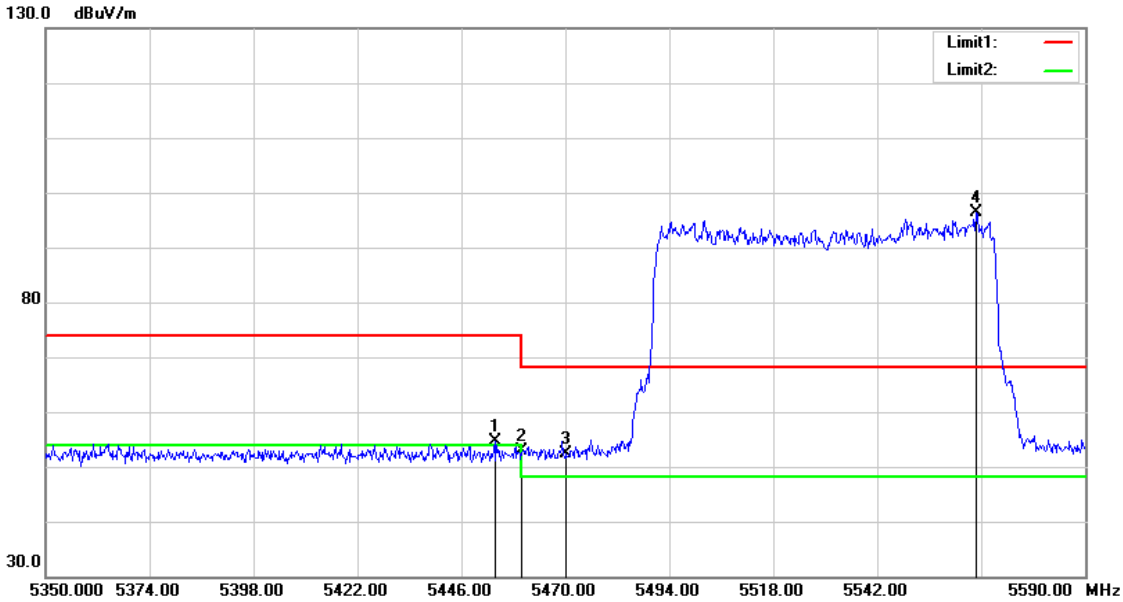
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5270.880	89.17	2.61	91.78	68.20	23.58	peak
2	5350.000	50.09	2.81	52.90	74.00	-21.10	peak
3	5363.280	51.74	2.84	54.58	74.00	-19.42	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5530 MHz		
Mode:	802.11ax HE80		
Ant.Polar.:	Horizontal		



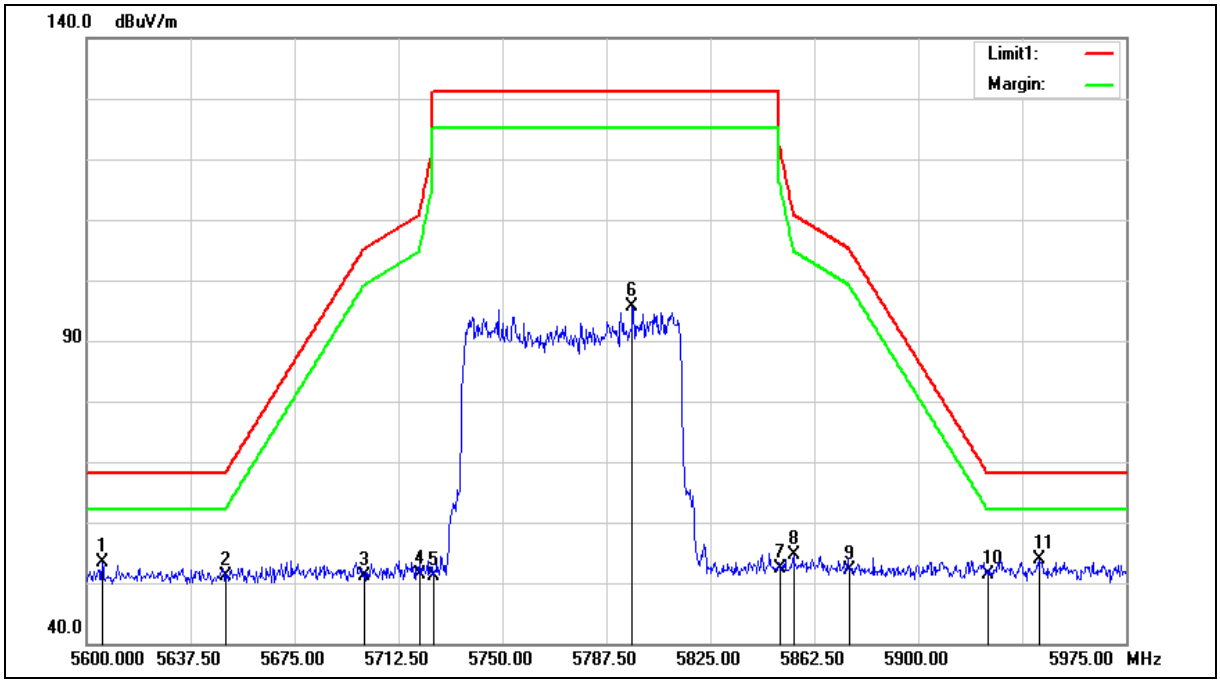
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5374.720	51.89	2.86	54.75	74.00	-19.25	peak
2	5460.000	48.62	3.08	51.70	74.00	-22.30	peak
3	5470.000	48.72	3.10	51.82	68.20	-16.38	peak
4	5548.960	88.95	3.28	92.23	68.20	24.03	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5530 MHz		
Mode:	802.11ax HE80		
Ant.Polar.:	Vertical		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5453.680	51.59	3.06	54.65	74.00	-19.35	peak
2	5460.000	49.86	3.08	52.94	74.00	-21.06	peak
3	5470.000	49.25	3.10	52.35	68.20	-15.85	peak
4	5564.800	92.95	3.31	96.26	68.20	28.06	peak

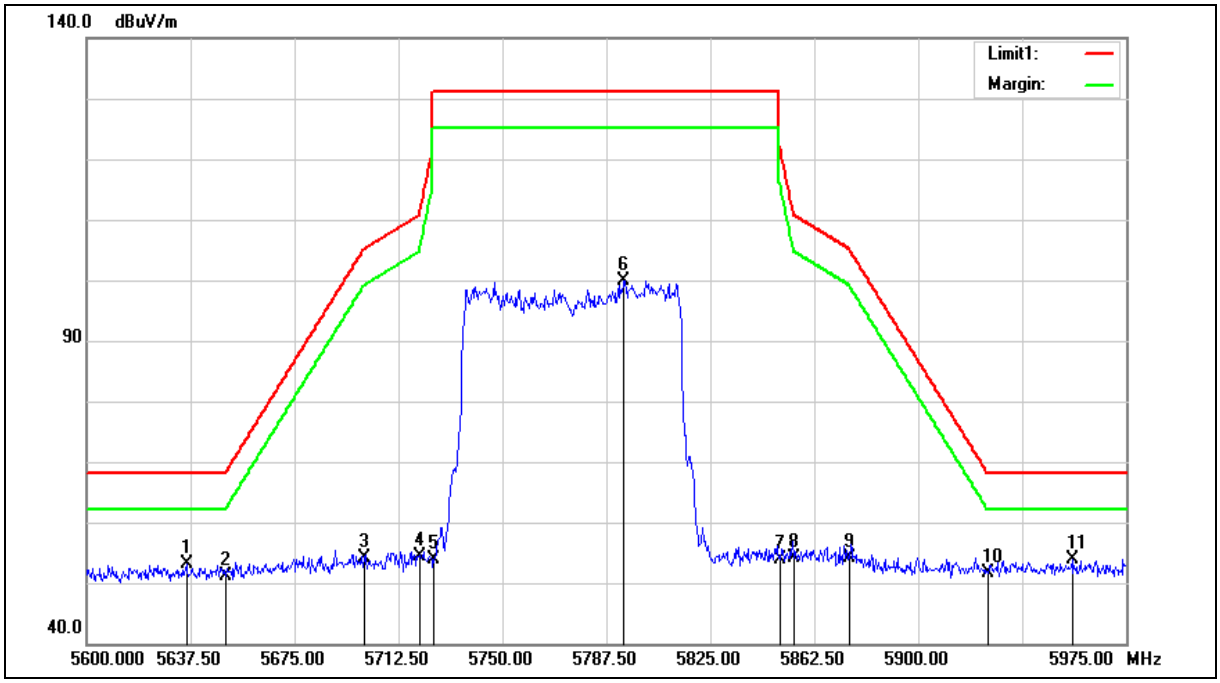
Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5775 MHz		
Mode:	802.11ax HE80		
Ant.Polar.:	Horizontal		



Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5775 MHz		
Mode:	802.11ax HE80		
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5605.625	52.26	1.06	53.32	68.20	-14.88	peak
2	5650.000	50.02	1.17	51.19	68.20	-17.01	peak
3	5700.000	49.91	1.31	51.22	105.20	-53.98	peak
4	5720.000	49.96	1.37	51.33	110.80	-59.47	peak
5	5725.000	49.84	1.38	51.22	122.20	-70.98	peak
6	5796.875	94.09	1.58	95.67	131.20	-35.53	peak
7	5850.000	50.65	1.72	52.37	122.20	-69.83	peak
8	5855.000	52.87	1.73	54.60	110.80	-56.20	peak
9	5875.000	50.25	1.79	52.04	105.20	-53.16	peak
10	5925.000	49.35	1.92	51.27	68.20	-16.93	peak
11	5943.875	51.93	1.97	53.90	68.20	-14.30	peak

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5775 MHz		
Mode:	802.11ax HE80		
Ant.Polar.:	Vertical		

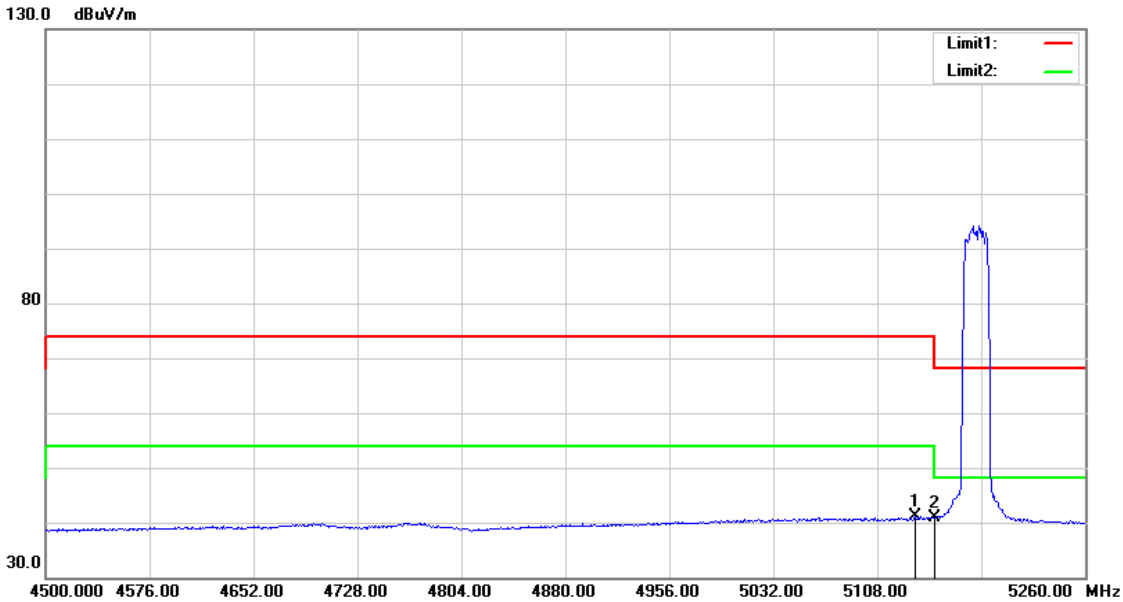


Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5775 MHz		
Mode:	802.11ax HE80		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5636.000	51.93	1.13	53.06	68.20	-15.14	peak
2	5650.000	49.98	1.17	51.15	68.20	-17.05	peak
3	5700.000	52.87	1.31	54.18	105.20	-51.02	peak
4	5720.000	52.91	1.37	54.28	110.80	-56.52	peak
5	5725.000	52.54	1.38	53.92	122.20	-68.28	peak
6	5793.875	98.39	1.56	99.95	131.20	-31.25	peak
7	5850.000	52.05	1.72	53.77	122.20	-68.43	peak
8	5855.000	52.51	1.73	54.24	110.80	-56.56	peak
9	5875.000	52.43	1.79	54.22	105.20	-50.98	peak
10	5925.000	49.75	1.92	51.67	68.20	-16.53	peak
11	5955.500	51.83	2.01	53.84	68.20	-14.36	peak

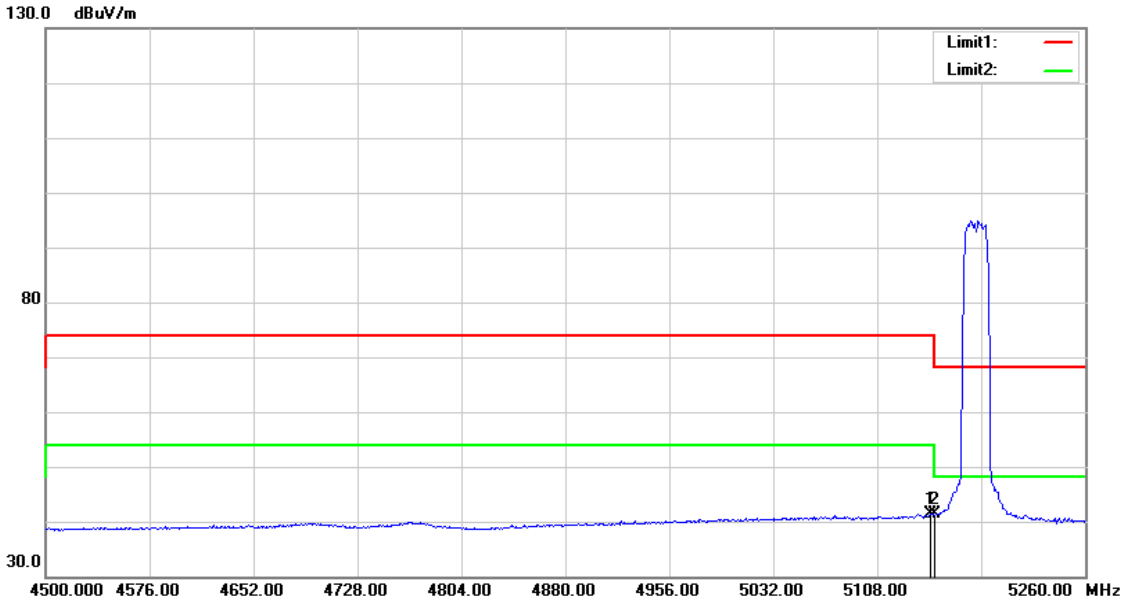
Average

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5180 MHz		
Mode:	802.11a		
Ant.Polar.:	Horizontal		



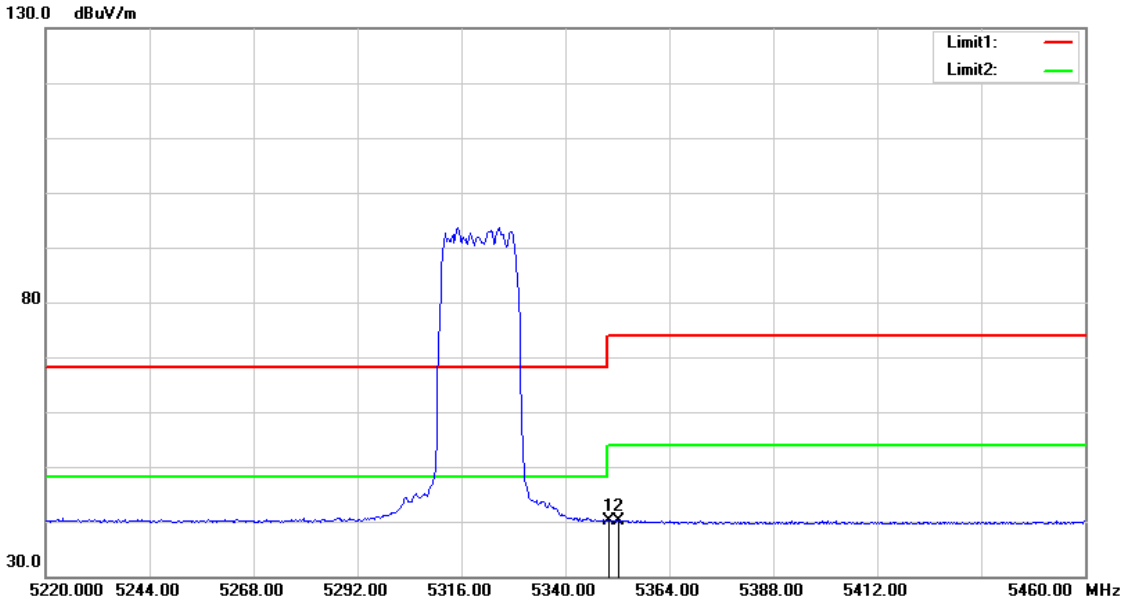
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5135.360	41.20	0.03	41.23	54.00	-12.77	AVG
2	5150.000	40.78	0.05	40.83	54.00	-13.17	AVG

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5180 MHz		
Mode:	802.11a		
Ant.Polar.:	Vertical		



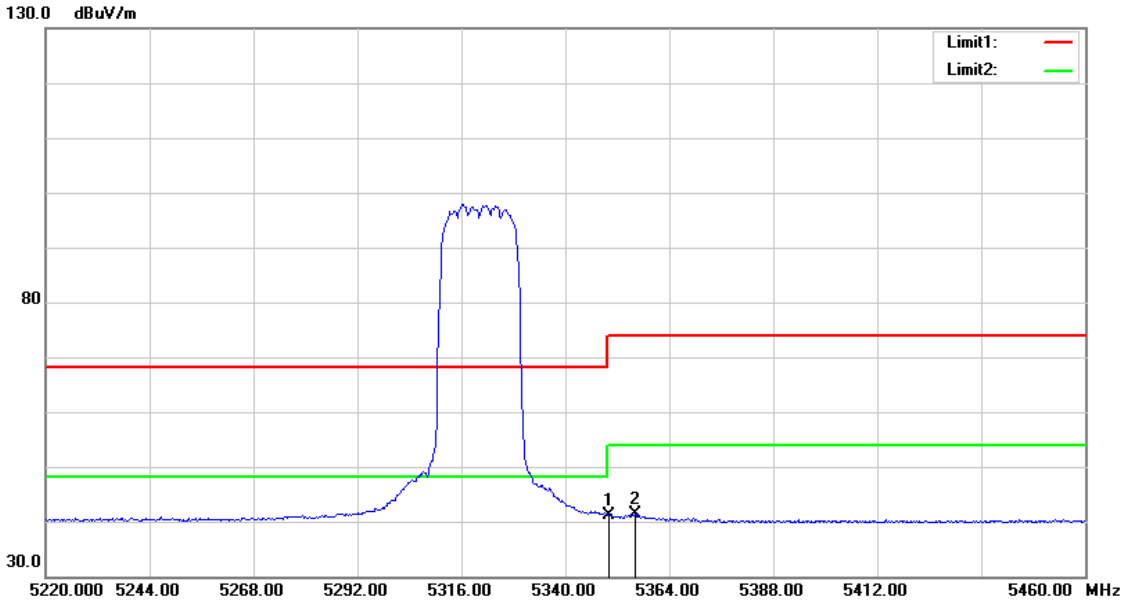
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5146.760	41.31	0.05	41.36	54.00	-12.64	AVG
2	5150.000	41.21	0.05	41.26	54.00	-12.74	AVG

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5320 MHz		
Mode:	802.11a		
Ant.Polar.:	Horizontal		



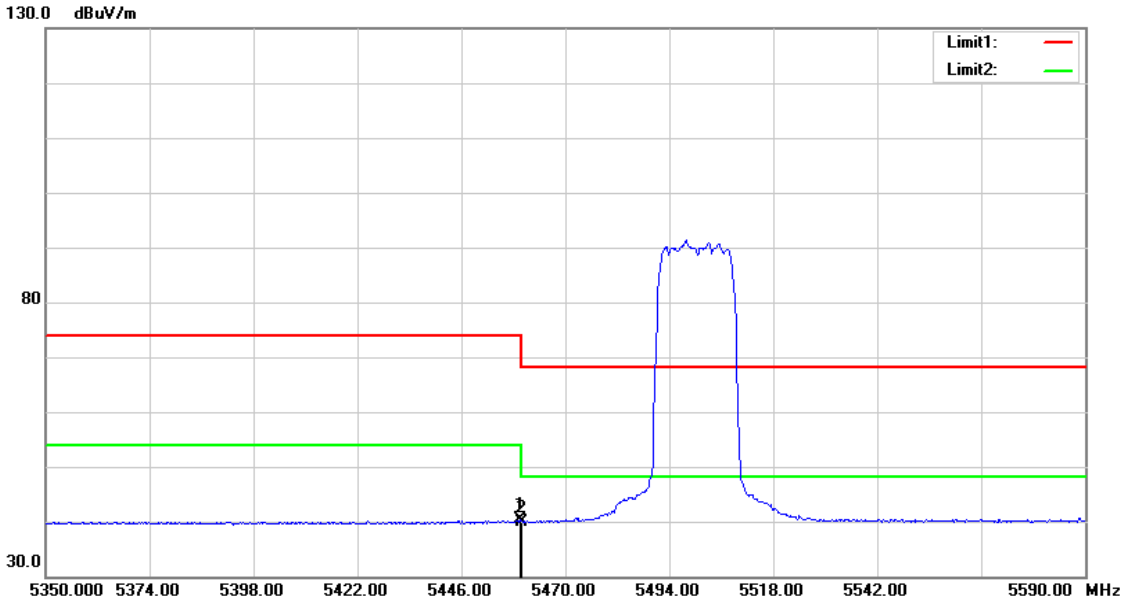
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5350.000	39.59	0.47	40.06	54.00	-13.94	AVG
2	5352.240	39.76	0.47	40.23	54.00	-13.77	AVG

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5320 MHz		
Mode:	802.11a		
Ant.Polar.:	Vertical		



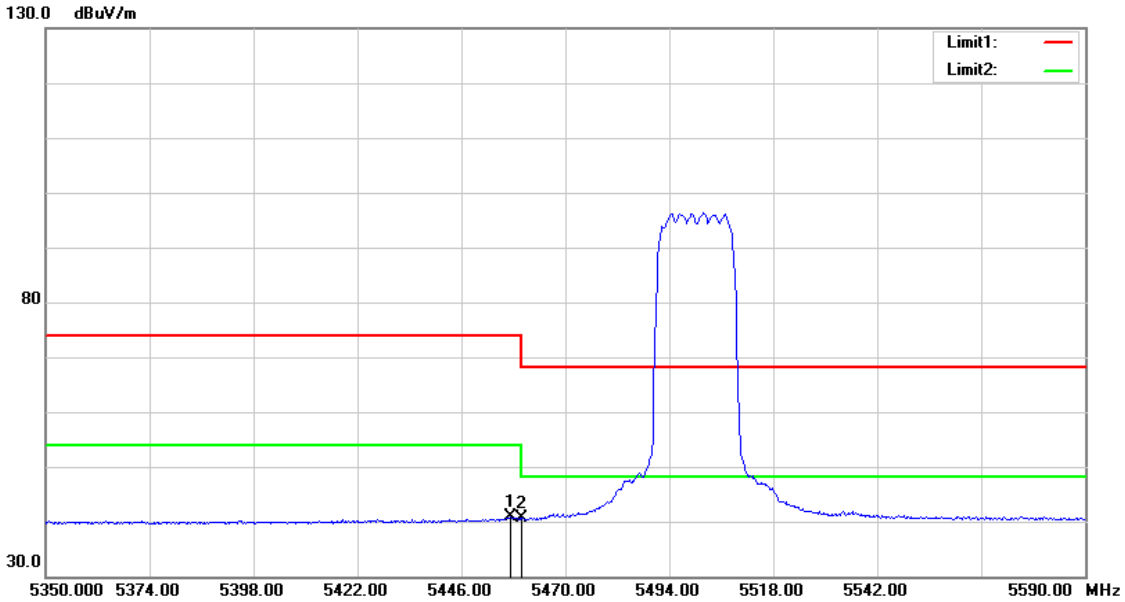
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5350.000	40.65	0.47	41.12	54.00	-12.88	AVG
2	5356.080	40.90	0.48	41.38	54.00	-12.62	AVG

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5500 MHz		
Mode:	802.11a		
Ant.Polar.:	Horizontal		



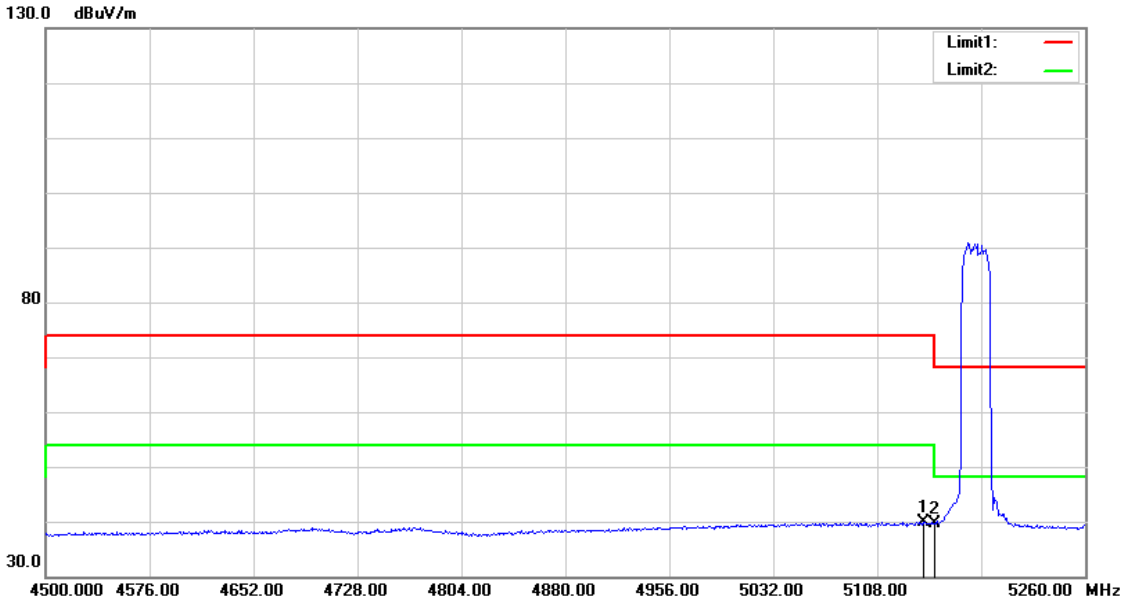
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5459.440	39.60	0.70	40.30	54.00	-13.70	AVG
2	5460.000	39.28	0.70	39.98	54.00	-14.02	AVG

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5500 MHz		
Mode:	802.11a		
Ant.Polar.:	Vertical		



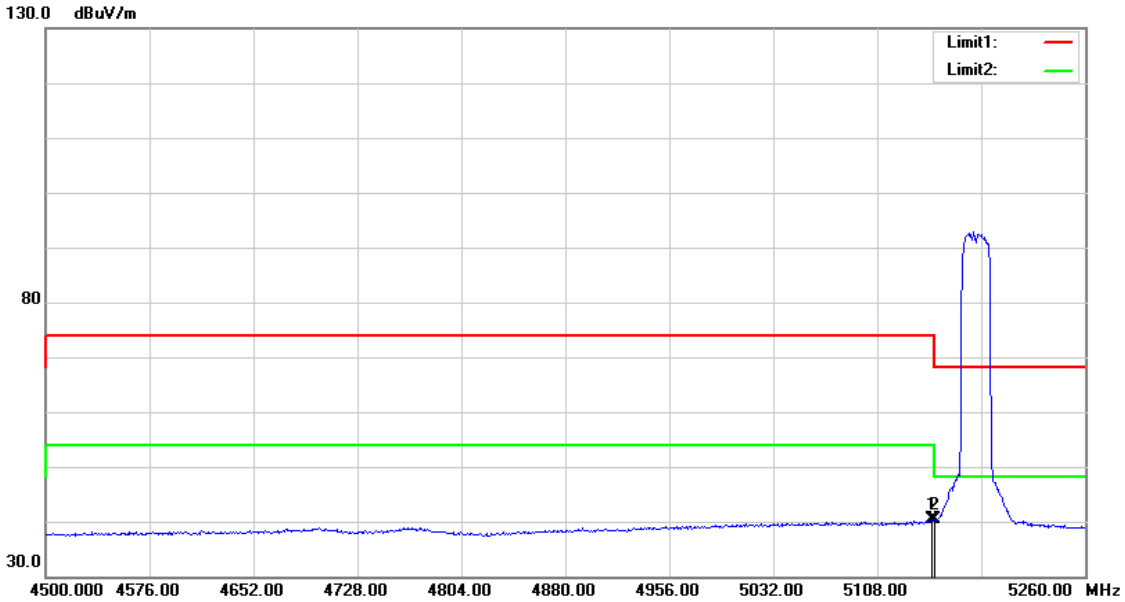
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5457.280	40.09	0.69	40.78	54.00	-13.22	AVG
2	5460.000	39.81	0.70	40.51	54.00	-13.49	AVG

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5180 MHz		
Mode:	802.11ax HE20		
Ant.Polar.:	Horizontal		



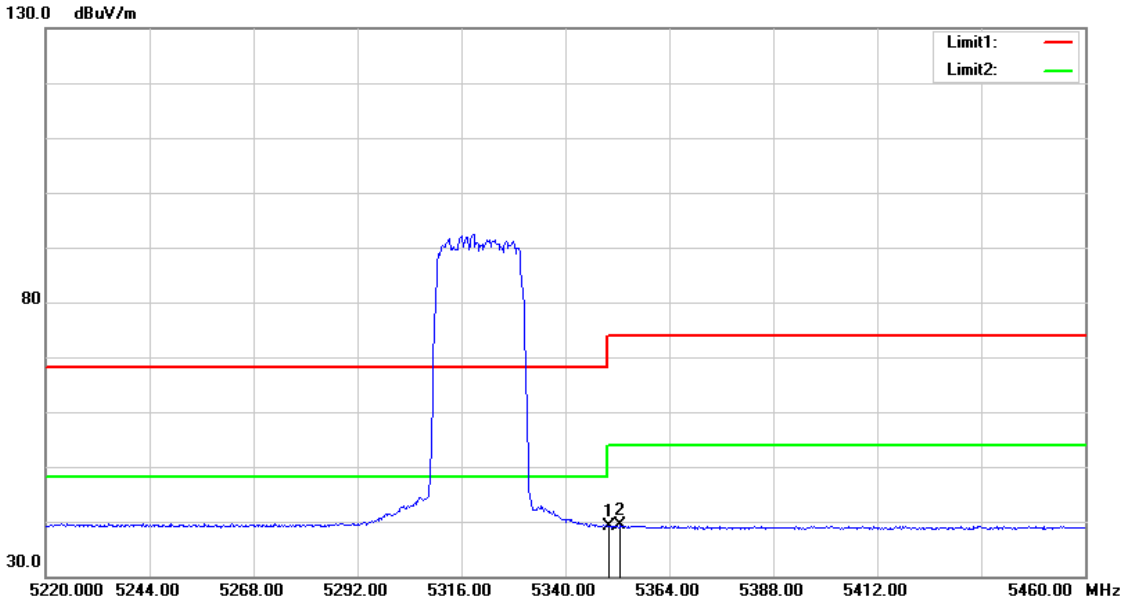
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5141.440	39.86	0.03	39.89	54.00	-14.11	AVG
2	5150.000	39.66	0.05	39.71	54.00	-14.29	AVG

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5180 MHz		
Mode:	802.11ax HE20		
Ant.Polar.:	Vertical		



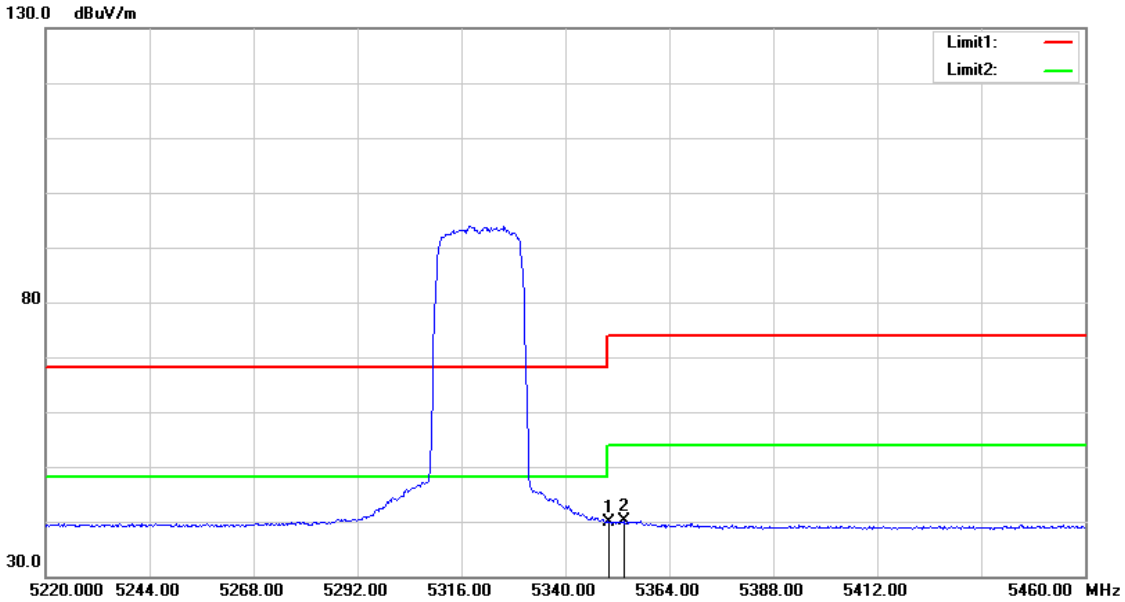
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5148.280	40.36	0.05	40.41	54.00	-13.59	AVG
2	5150.000	40.29	0.05	40.34	54.00	-13.66	AVG

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5320 MHz		
Mode:	802.11ax HE20		
Ant.Polar.:	Horizontal		



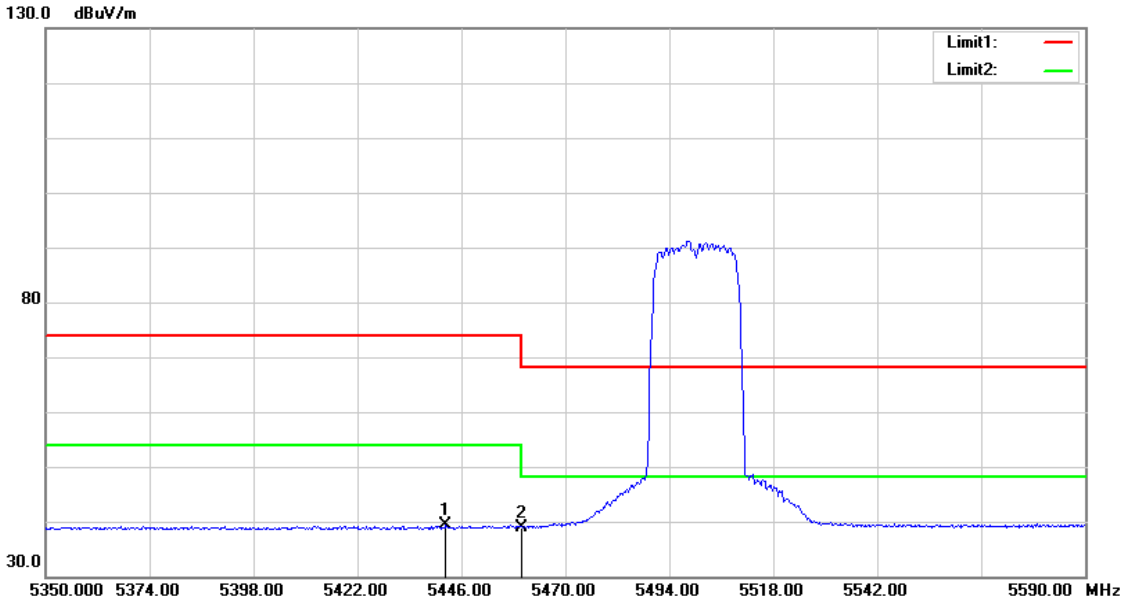
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5350.000	38.66	0.47	39.13	54.00	-14.87	AVG
2	5352.720	38.82	0.47	39.29	54.00	-14.71	AVG

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5320 MHz		
Mode:	802.11ax HE20		
Ant.Polar.:	Vertical		



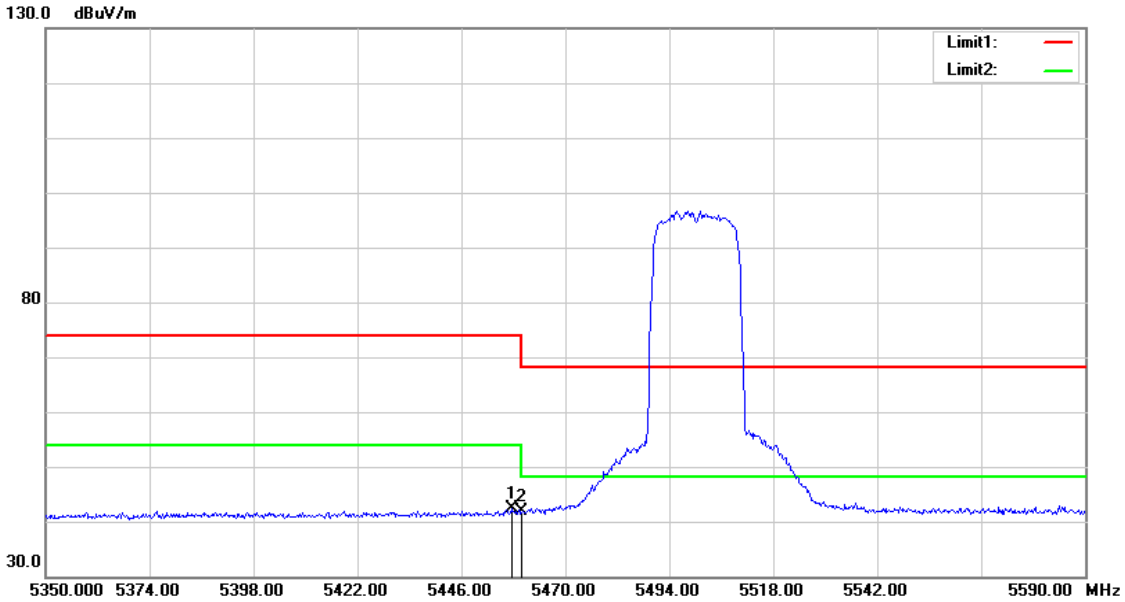
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5350.000	39.49	0.47	39.96	54.00	-14.04	AVG
2	5353.440	39.68	0.47	40.15	54.00	-13.85	AVG

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5500 MHz		
Mode:	802.11ax HE20		
Ant.Polar.:	Horizontal		



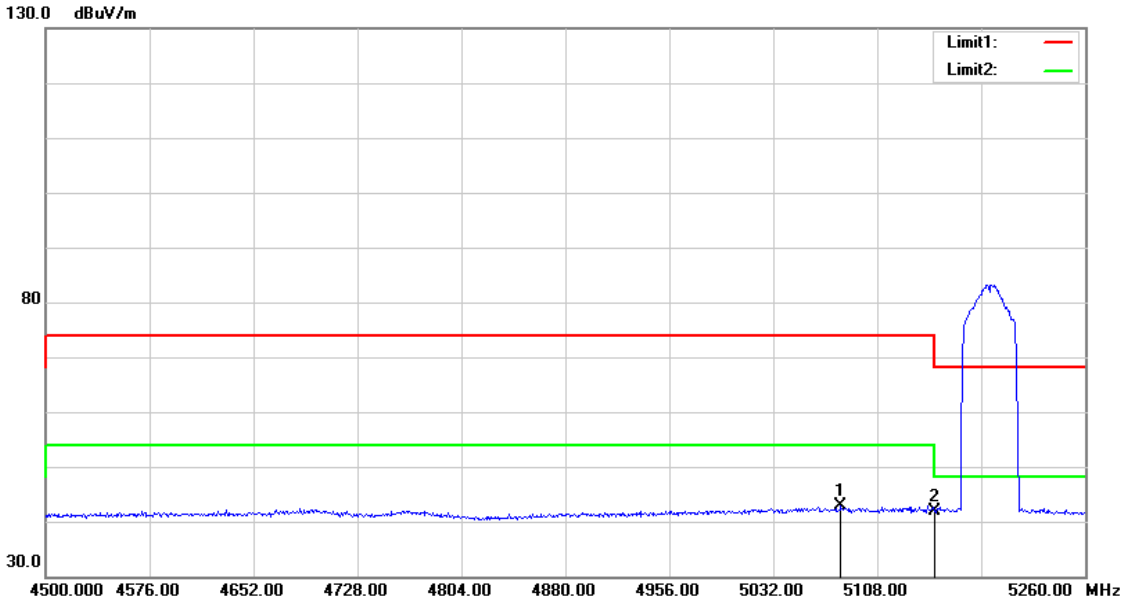
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5442.400	38.72	0.65	39.37	54.00	-14.63	AVG
2	5460.000	38.26	0.70	38.96	54.00	-15.04	AVG

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5500 MHz		
Mode:	802.11ax HE20		
Ant.Polar.:	Vertical		



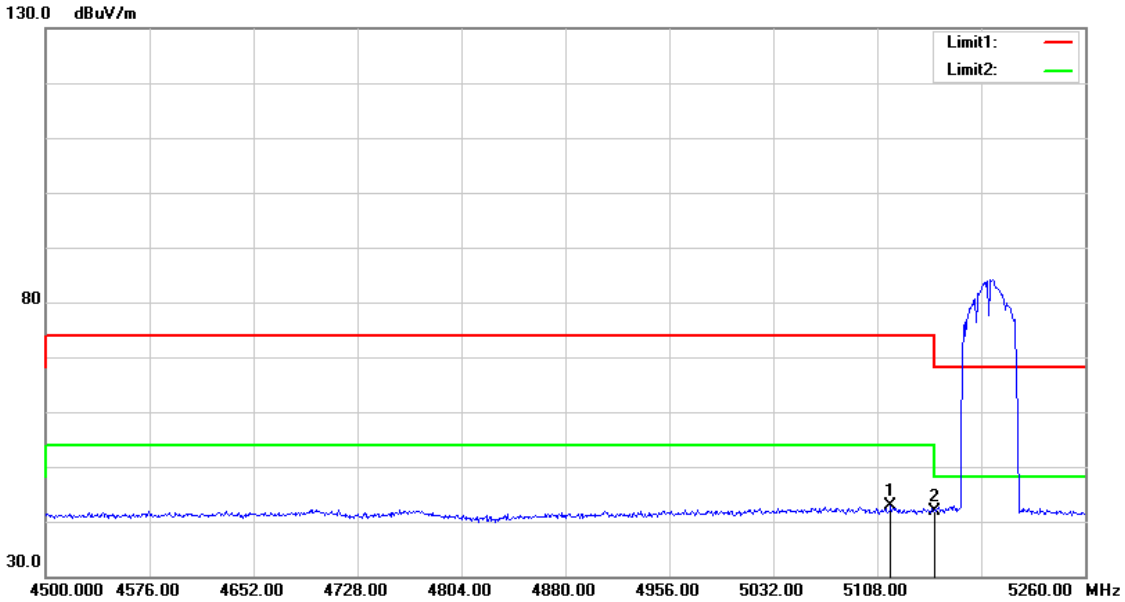
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5457.520	41.62	0.69	42.31	54.00	-11.69	AVG
2	5460.000	41.14	0.70	41.84	54.00	-12.16	AVG

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5190 MHz		
Mode:	802.11ax HE40		
Ant.Polar.:	Horizontal		



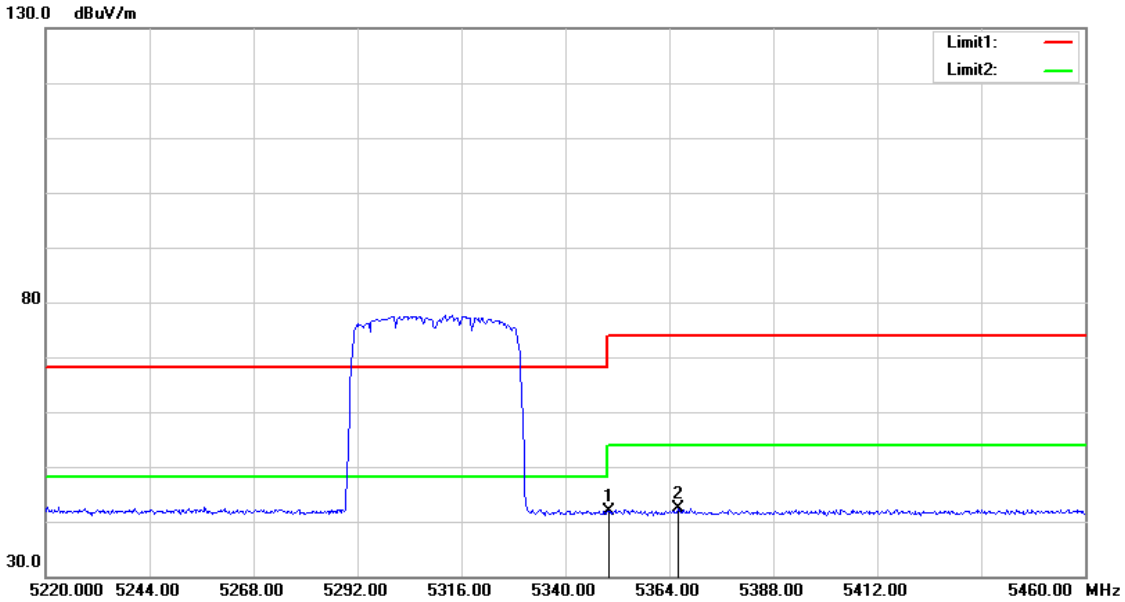
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5081.400	40.69	2.14	42.83	54.00	-11.17	AVG
2	5150.000	39.55	2.31	41.86	54.00	-12.14	AVG

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5190 MHz		
Mode:	802.11ax HE40		
Ant.Polar.:	Vertical		



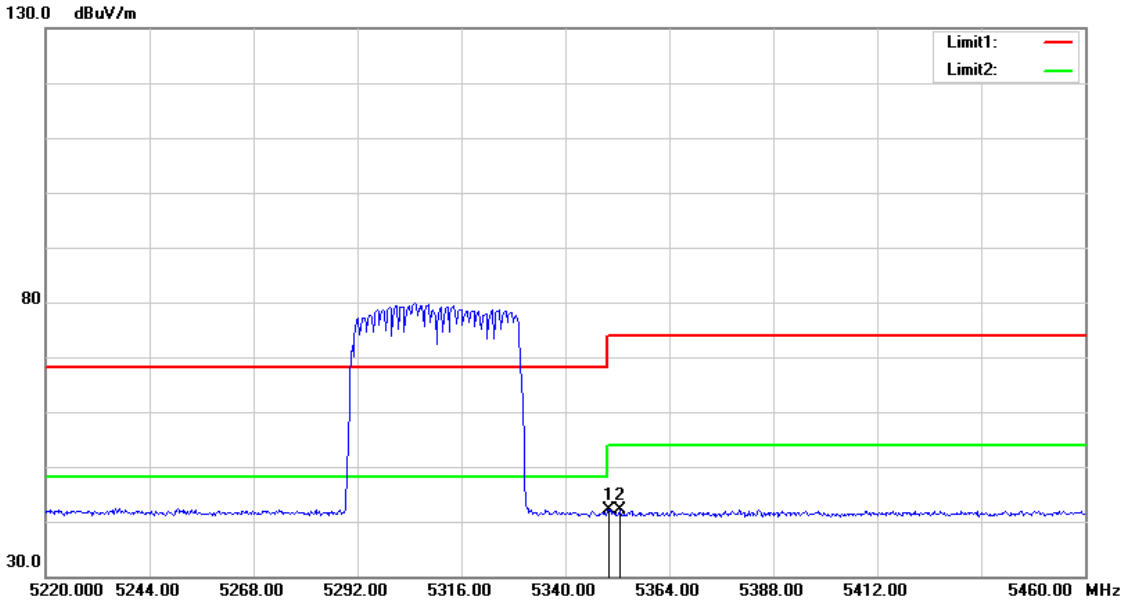
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5117.880	40.57	2.24	42.81	54.00	-11.19	AVG
2	5150.000	39.46	2.31	41.77	54.00	-12.23	AVG

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5310 MHz		
Mode:	802.11ax HE40		
Ant.Polar.:	Horizontal		



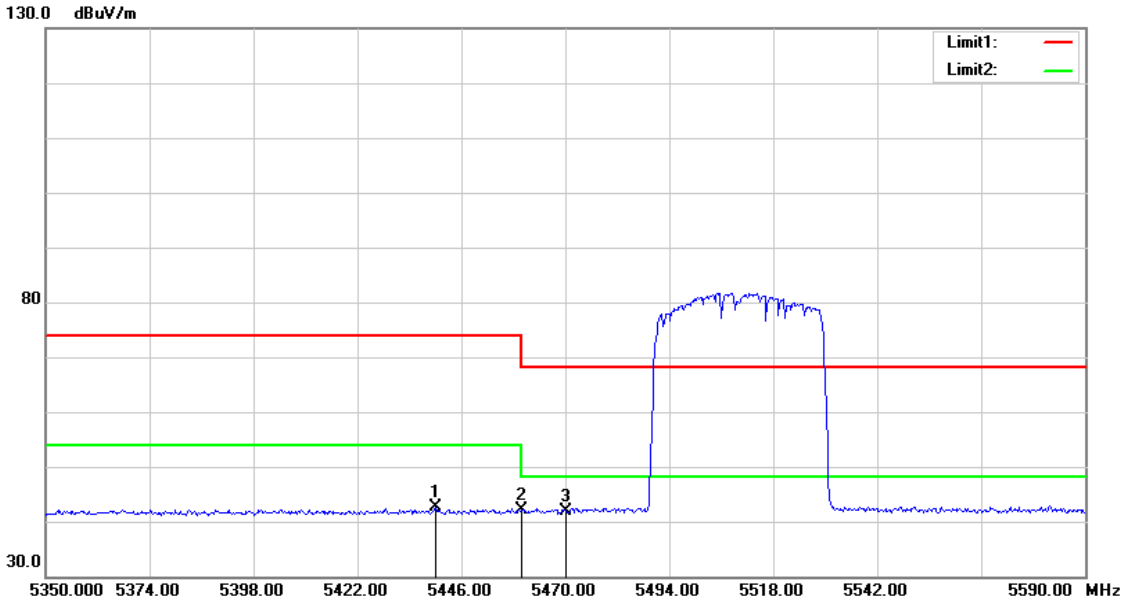
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5350.000	39.01	2.81	41.82	54.00	-12.18	AVG
2	5366.160	39.50	2.84	42.34	54.00	-11.66	AVG

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5310 MHz		
Mode:	802.11ax HE40		
Ant.Polar.:	Vertical		



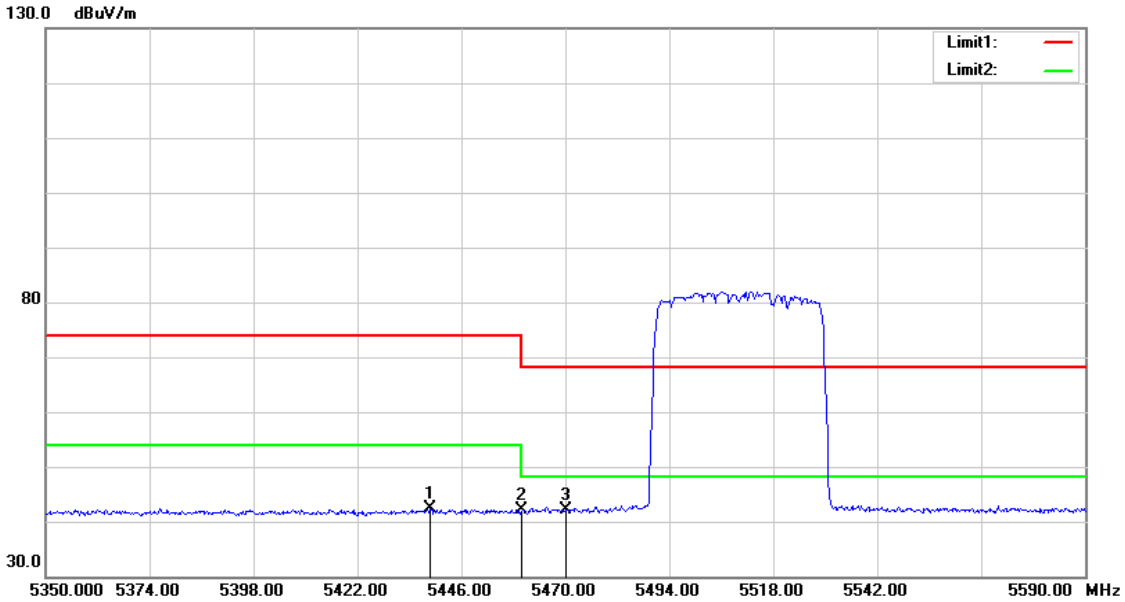
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5350.000	39.32	2.81	42.13	54.00	-11.87	AVG
2	5352.480	39.34	2.81	42.15	54.00	-11.85	AVG

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5510 MHz		
Mode:	802.11ax HE40		
Ant.Polar.:	Horizontal		



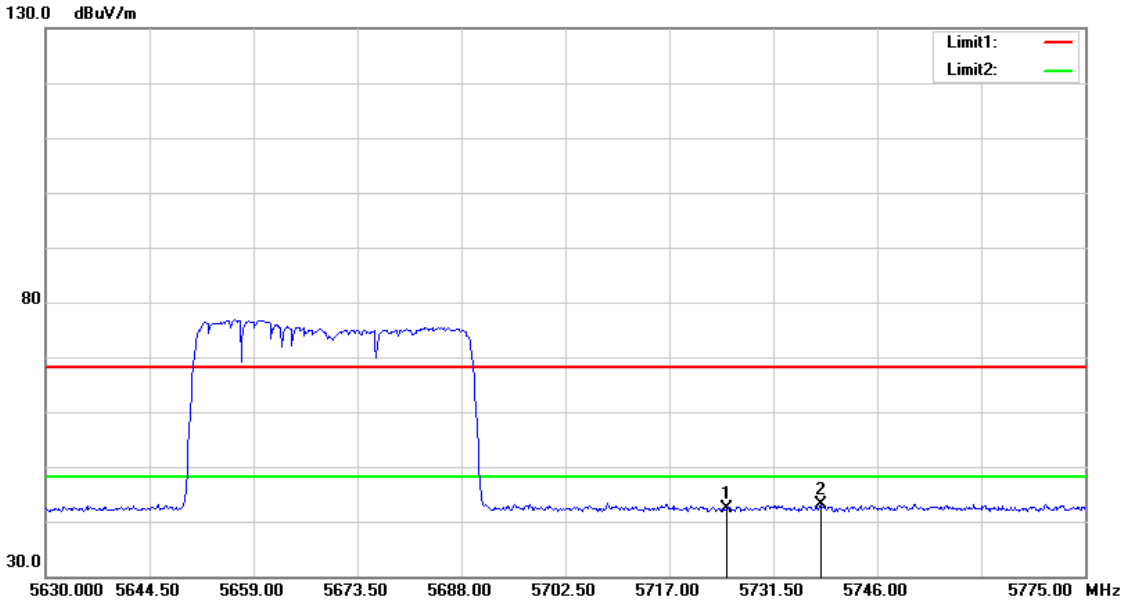
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5440.000	39.60	3.03	42.63	54.00	-11.37	AVG
2	5460.000	38.95	3.08	42.03	54.00	-11.97	AVG
3	5470.000	38.89	3.10	41.99	48.20	-6.21	AVG

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5510 MHz		
Mode:	802.11ax HE40		
Ant.Polar.:	Vertical		



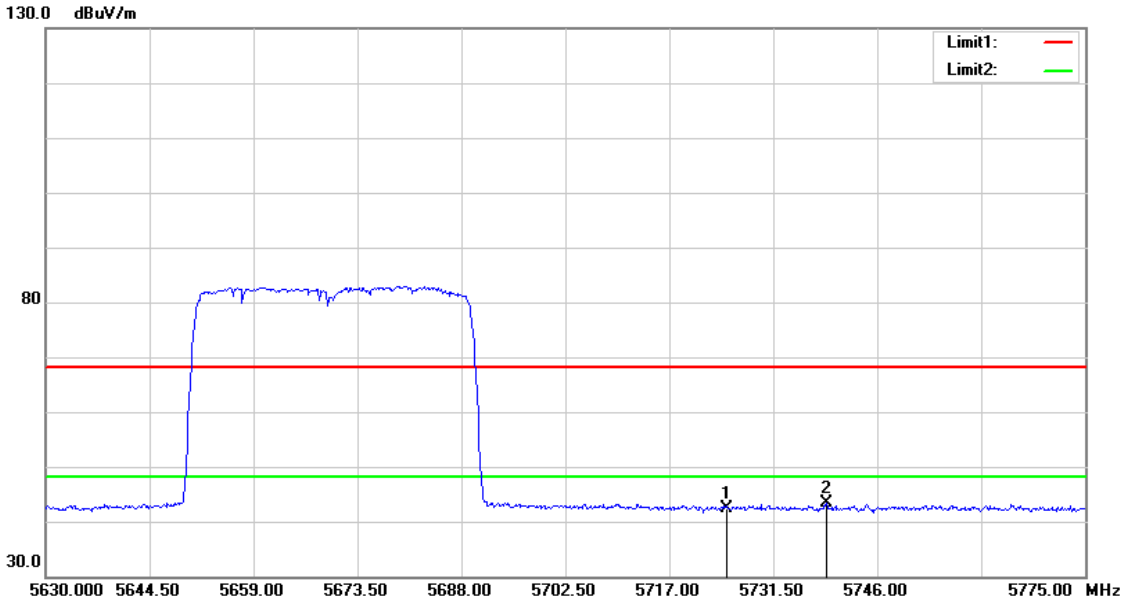
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5438.800	39.24	3.02	42.26	54.00	-11.74	AVG
2	5460.000	39.06	3.08	42.14	54.00	-11.86	AVG
3	5470.000	38.97	3.10	42.07	48.20	-6.13	AVG

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5670 MHz		
Mode:	802.11ax HE40		
Ant.Polar.:	Horizontal		



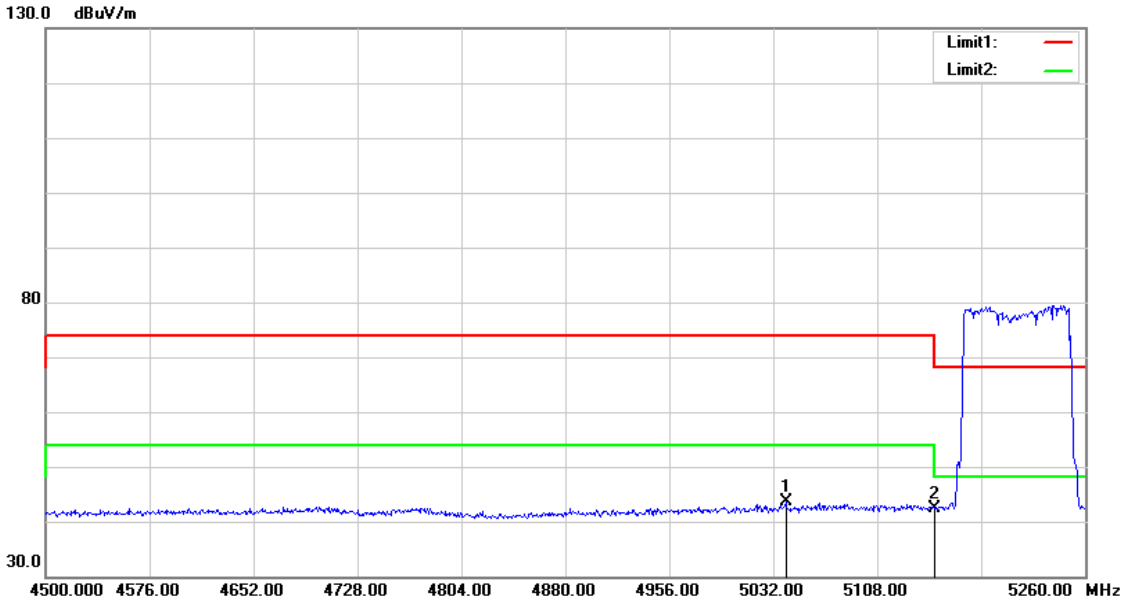
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5725.000	38.61	3.65	42.26	48.20	-5.94	AVG
2	5738.170	39.41	3.67	43.08	48.20	-5.12	AVG

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5670 MHz		
Mode:	802.11ax HE40		
Ant.Polar.:	Vertical		



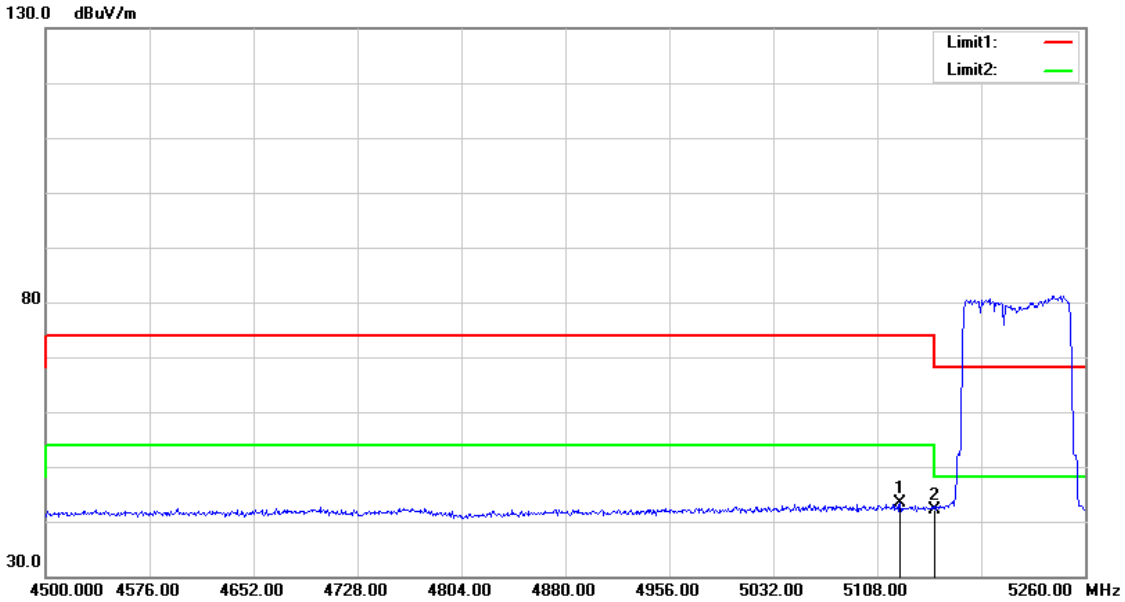
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5725.000	38.79	3.65	42.44	48.20	-5.76	AVG
2	5738.895	39.60	3.67	43.27	48.20	-4.93	AVG

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5210 MHz		
Mode:	802.11ax HE80		
Ant.Polar.:	Horizontal		



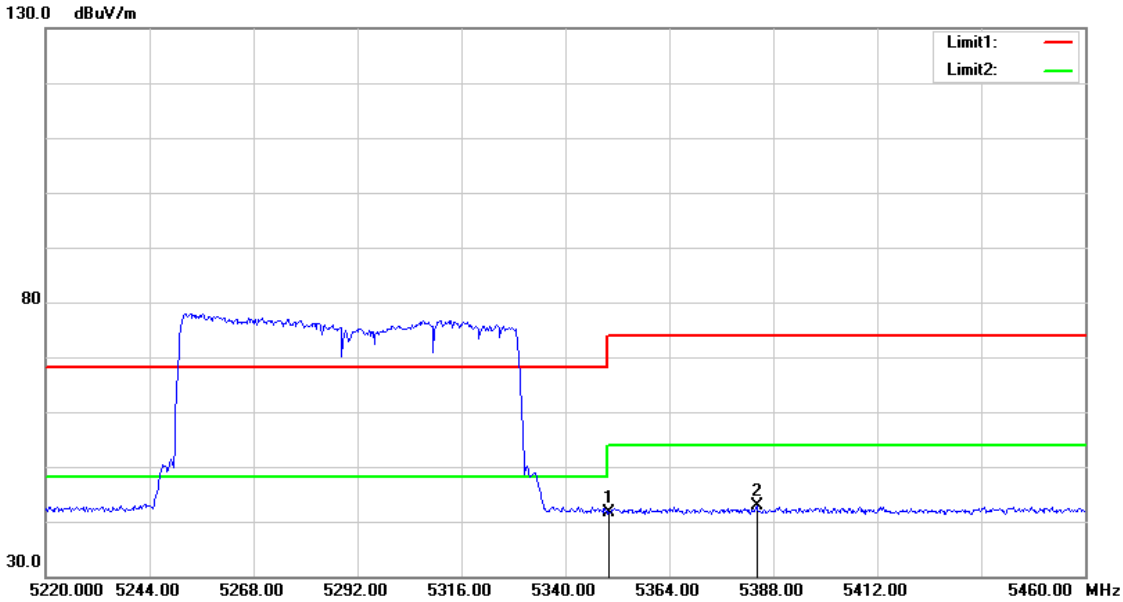
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5041.120	41.48	2.04	43.52	54.00	-10.48	AVG
2	5150.000	40.19	2.31	42.50	54.00	-11.50	AVG

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5210 MHz		
Mode:	802.11ax HE80		
Ant.Polar.:	Vertical		



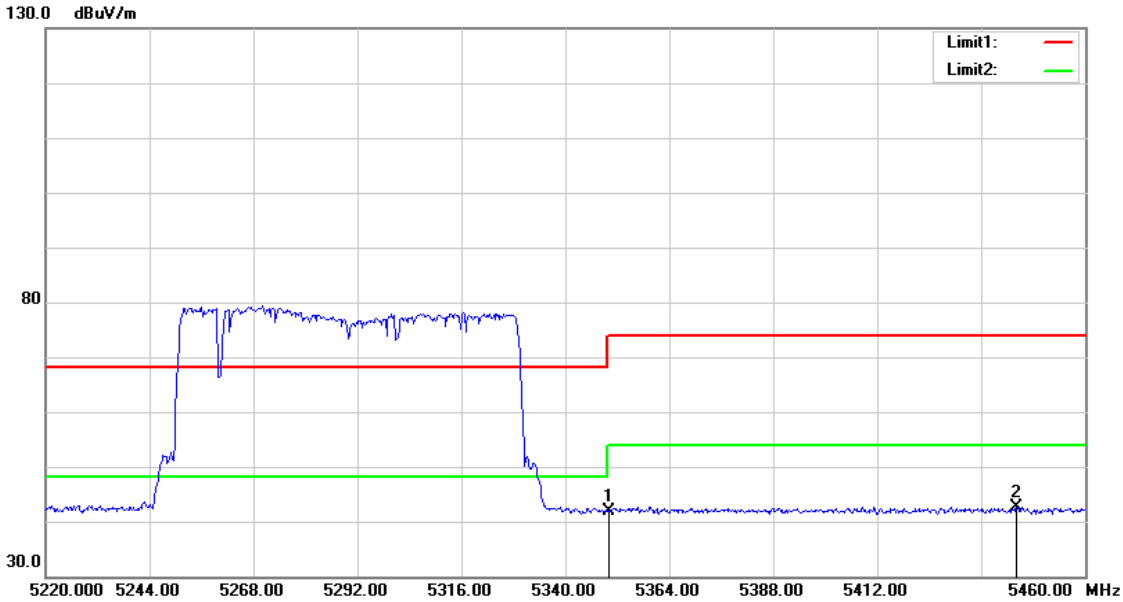
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5124.720	41.15	2.24	43.39	54.00	-10.61	AVG
2	5150.000	39.82	2.31	42.13	54.00	-11.87	AVG

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5290 MHz		
Mode:	802.11ax HE80		
Ant.Polar.:	Horizontal		



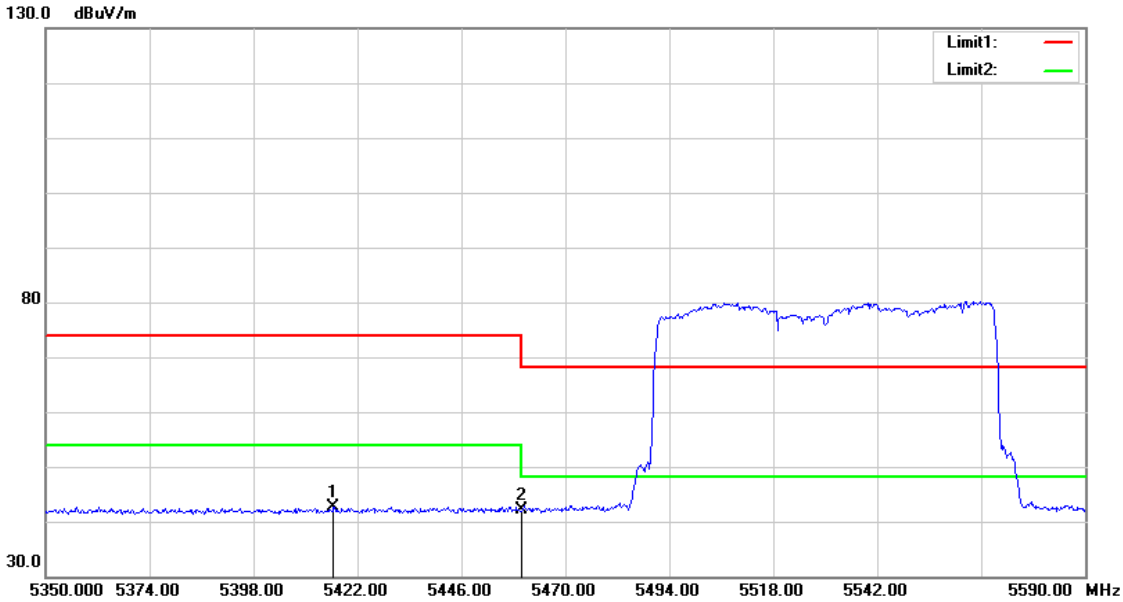
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5350.000	38.89	2.81	41.70	54.00	-12.30	AVG
2	5384.160	40.05	2.89	42.94	54.00	-11.06	AVG

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5290 MHz		
Mode:	802.11ax HE80		
Ant.Polar.:	Vertical		



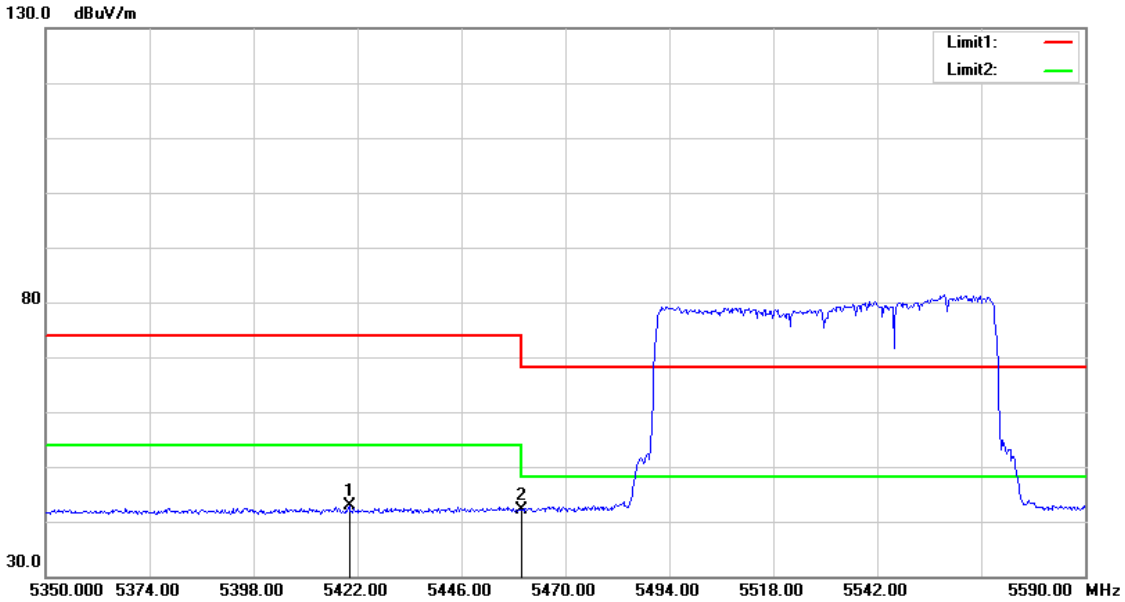
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5350.000	39.01	2.81	41.82	54.00	-12.18	AVG
2	5444.160	39.63	3.03	42.66	54.00	-11.34	AVG

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5530 MHz		
Mode:	802.11ax HE80		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5416.480	39.73	2.96	42.69	54.00	-11.31	AVG
2	5460.000	38.96	3.08	42.04	54.00	-11.96	AVG

Standard:	FCC Part 15.407	Test Distance:	3 m
Test item:	Band edge		
Frequency:	5530 MHz		
Mode:	802.11ax HE80		
Ant.Polar.:	Vertical		



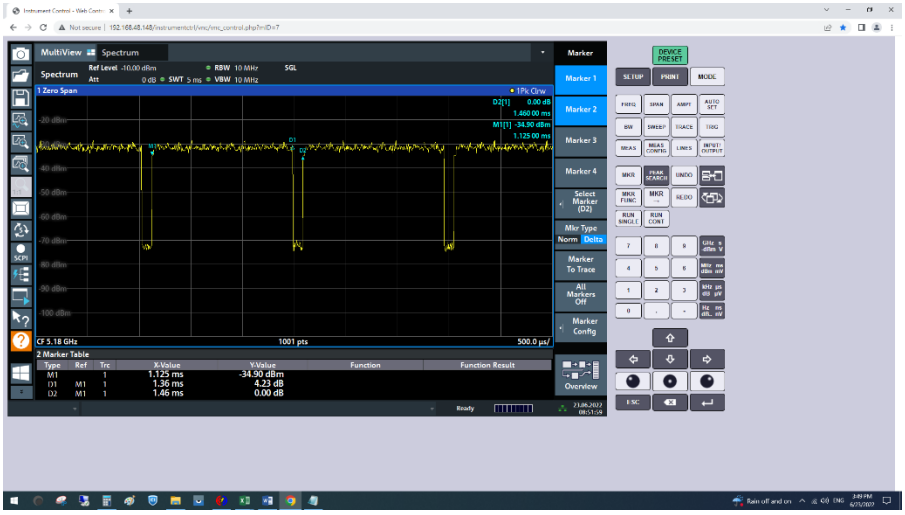
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5420.080	39.94	2.98	42.92	54.00	-11.08	AVG
2	5460.000	38.95	3.08	42.03	54.00	-11.97	AVG

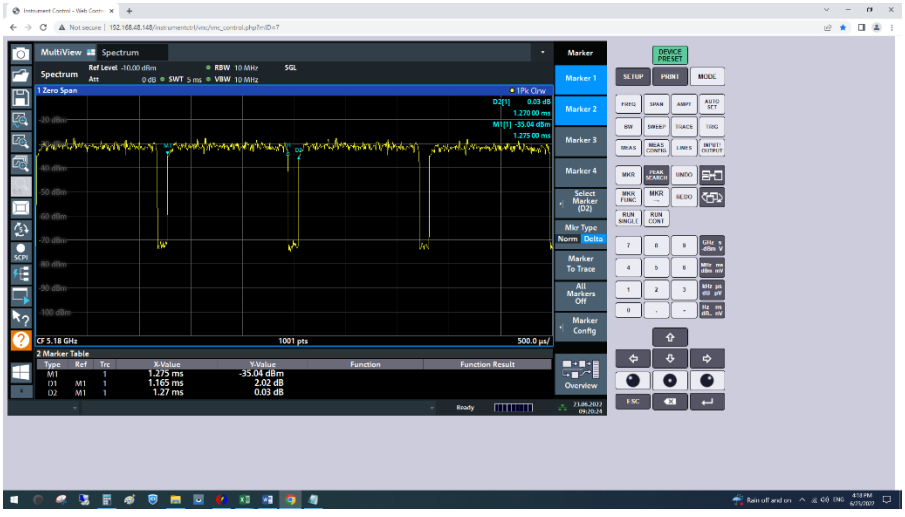
5.3. Conducted Test Results

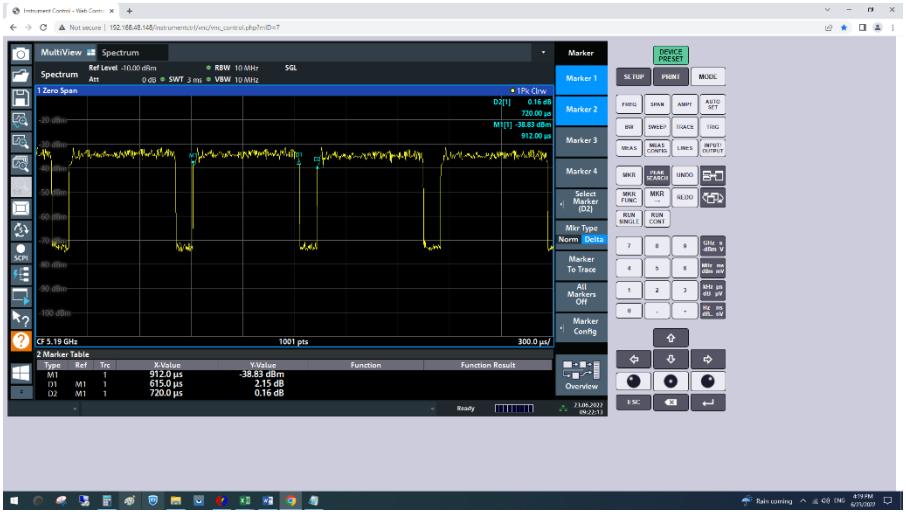
Duty cycle

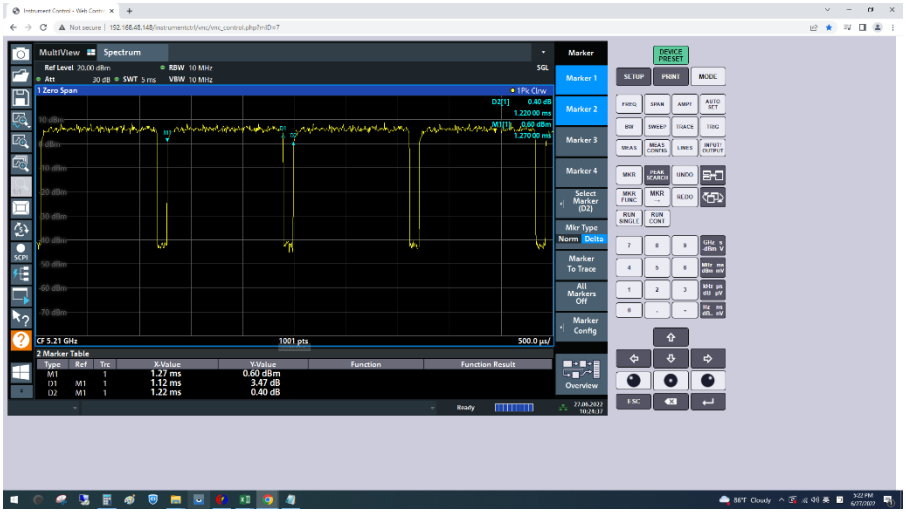
Test Mode	Frequency (MHz)	on time (ms)	on+off time (ms)	Duty cycle	Duty Factor (dB)	1/T Minimum VBW (kHz)
802.11a	5180	1.360	1.460	0.932	0.308	0.735
802.11ax HE20	5180	1.165	1.270	0.917	0.375	0.858
802.11ax HE40	5190	0.615	0.720	0.854	0.685	1.626
802.11ax HE80	5210	1.120	1.220	0.918	0.371	0.893

Duty Cycle Graphs

802.11a	
On+off time	

802.11ax HE20	
On+off time	

802.11ax HE40	
On+off time	

802.11ax HE80	
On+off time	

Maximum Conducted Output Power Measurement

Test Mode	Frequency (MHz)	RF Power setting in Test Software		Test Software Version
		ANT-0	ANT-1	
802.11a	5180	10.5	10.5	MP_AX / mp_v1.0.46
	5200	10.5	10.5	
	5240	10.5	10.5	
	5260	10.5	10.5	
	5280	10.5	10.5	
	5320	10.5	10.5	
	5500	11.5	11.5	
	5560	12	12	
	5700	11	11	
	5745	9	9	
	5785	9.5	9.5	
	5825	9	9	
802.11n HT20	5180	10.5	10.5	MP_AX / mp_v1.0.46
	5200	10.5	10.5	
	5240	10.5	10.5	
	5260	10.5	10.5	
	5280	10.5	10.5	
	5320	10.5	10.5	
	5500	11.5	11.5	
	5560	12	12	
	5700	11	11	
	5745	10.5	10.5	
	5785	9.5	9.5	
	5825	9	9	
802.11n HT40	5190	10	10	MP_AX / mp_v1.0.46
	5230	10	10	
	5270	10	10	
	5310	10	10	
	5510	11	11	
	5550	11.5	11.5	
	5670	11	11	
	5755	9	9	
	5795	9.5	9.5	

Test Mode	Frequency (MHz)	RF Power setting in Test Software		Test Software Version
		ANT-0	ANT-1	
802.11ac VHT20	5180	10.5	10.5	MP_AX / mp_v1.0.46
	5200	10.5	10.5	
	5240	10.5	10.5	
	5260	10.5	10.5	
	5280	10.5	10.5	
	5320	10.5	10.5	
	5500	11.5	11.5	
	5560	12	12	
	5700	11	11	
	5745	9	9	
	5785	9.5	9.5	
	5825	9	9	
802.11ac VHT40	5190	10	10	MP_AX / mp_v1.0.46
	5230	10	10	
	5270	10	10	
	5310	10	10	
	5510	11	11	
	5550	11.5	11.5	
	5670	11	11	
	5755	9	9	
	5795	9.5	9.5	
802.11ac VHT80	5210	10.5	10.5	MP_AX / mp_v1.0.46
	5290	10.5	10.5	
	5530	11.5	11.5	
	5775	9.5	9.5	

Test Mode	Frequency (MHz)	RF Power setting in Test Software		Test Software Version
		ANT-0	ANT-1	
802.11ax HE20	5180	10.5	10.5	MP_AX / mp_v1.0.46
	5200	10.5	10.5	
	5240	10.5	10.5	
	5260	10.5	10.5	
	5280	10.5	10.5	
	5320	10.5	10.5	
	5500	11.5	11.5	
	5560	12	12	
	5700	11	11	
	5745	9	9	
	5785	9.5	9.5	
	5825	9	9	
802.11ax HE40	5190	10	10	MP_AX / mp_v1.0.46
	5230	10	10	
	5270	10	10	
	5310	10	10	
	5510	11	11	
	5550	11.5	11.5	
	5670	11	11	
	5755	9	9	
	5795	9.5	9.5	
802.11ax HE80	5210	10.5	10.5	MP_AX / mp_v1.0.46
	5290	10.5	10.5	
	5530	11.5	11.5	
	5775	9.5	9.5	

Maximum Conducted Output Power and Transmit power control Measurement

Test Mode	Data Rate	Frequency (MHz)	Max. Output Power						Limit (dBm)
			ANT-0		ANT-1		ANT-0+1		
			(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
802.11a	6 M	5180	9.75	0.009	10.72	0.012	13.27	0.021	≤ 24.00
		5200	9.81	0.010	10.85	0.012	13.37	0.022	≤ 24.00
		5240	9.86	0.010	10.54	0.011	13.22	0.021	≤ 24.00
		5260	9.60	0.009	10.77	0.012	13.23	0.021	≤ 24.00
		5280	9.26	0.008	11.17	0.013	13.33	0.022	≤ 24.00
		5320	9.28	0.008	10.95	0.012	13.20	0.021	≤ 24.00
		5500	9.42	0.009	11.33	0.014	13.49	0.022	≤ 24.00
		5560	8.44	0.007	11.75	0.015	13.41	0.022	≤ 24.00
		5700	8.02	0.006	11.85	0.015	13.35	0.022	≤ 24.00
		5745	8.50	0.007	8.88	0.008	11.70	0.015	≤ 30.00
		5785	8.44	0.007	8.77	0.008	11.62	0.015	≤ 30.00
		5825	8.51	0.007	8.89	0.008	11.71	0.015	≤ 30.00
802.11n HT20	MCS 8	5180	9.79	0.010	10.86	0.012	13.37	0.022	≤ 24.00
		5200	9.74	0.009	10.84	0.012	13.34	0.022	≤ 24.00
		5240	9.75	0.009	10.54	0.011	13.18	0.021	≤ 24.00
		5260	9.56	0.009	10.79	0.012	13.23	0.021	≤ 24.00
		5280	9.36	0.009	11.04	0.013	13.30	0.021	≤ 24.00
		5320	9.16	0.008	10.92	0.012	13.14	0.021	≤ 24.00
		5500	9.36	0.009	11.19	0.013	13.39	0.022	≤ 24.00
		5560	8.34	0.007	11.76	0.015	13.39	0.022	≤ 24.00
		5700	7.95	0.006	11.79	0.015	13.30	0.021	≤ 24.00
		5745	8.56	0.007	8.74	0.007	11.66	0.015	≤ 30.00
		5785	8.46	0.007	8.75	0.007	11.62	0.015	≤ 30.00
		5825	8.49	0.007	8.83	0.008	11.67	0.015	≤ 30.00
802.11n HT40	MCS 8	5190	9.48	0.009	10.66	0.012	13.12	0.021	≤ 24.00
		5230	9.55	0.009	10.55	0.011	13.09	0.020	≤ 24.00
		5270	9.15	0.008	10.73	0.012	13.02	0.020	≤ 24.00
		5310	8.92	0.008	10.92	0.012	13.04	0.020	≤ 24.00
		5510	8.65	0.007	11.10	0.013	13.05	0.020	≤ 24.00
		5550	8.19	0.007	11.57	0.014	13.21	0.021	≤ 24.00
		5670	7.76	0.006	11.77	0.015	13.22	0.021	≤ 24.00
		5755	8.10	0.006	8.80	0.008	11.47	0.014	≤ 30.00
		5795	8.45	0.007	8.72	0.007	11.60	0.014	≤ 30.00

Note: The relevant measured result has the offset with cable loss already.

Test Mode	Data Rate	Frequency (MHz)	Max. Output Power						Limit (dBm)
			ANT-0		ANT-1		ANT-0+1		
			(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
802.11ac VHT20	MCS 0	5180	9.75	0.009	10.85	0.012	13.35	0.022	≤ 24.00
		5200	9.76	0.009	10.83	0.012	13.34	0.022	≤ 24.00
		5240	9.93	0.010	10.56	0.011	13.27	0.021	≤ 24.00
		5260	9.59	0.009	10.76	0.012	13.23	0.021	≤ 24.00
		5280	9.35	0.009	11.02	0.013	13.28	0.021	≤ 24.00
		5320	9.19	0.008	10.88	0.012	13.13	0.021	≤ 24.00
		5500	9.39	0.009	11.29	0.013	13.46	0.022	≤ 24.00
		5560	8.35	0.007	11.75	0.015	13.39	0.022	≤ 24.00
		5700	7.96	0.006	11.83	0.015	13.33	0.022	≤ 24.00
		5745	8.66	0.007	8.84	0.008	11.76	0.015	≤ 30.00
		5785	8.46	0.007	8.96	0.008	11.73	0.015	≤ 30.00
		5825	8.50	0.007	8.98	0.008	11.76	0.015	≤ 30.00
802.11ac VHT40	MCS 0	5190	9.48	0.009	10.67	0.012	13.12	0.021	≤ 24.00
		5230	9.60	0.009	10.55	0.011	13.11	0.020	≤ 24.00
		5270	9.15	0.008	10.75	0.012	13.03	0.020	≤ 24.00
		5310	8.90	0.008	10.92	0.012	13.03	0.020	≤ 24.00
		5510	8.65	0.007	11.10	0.013	13.05	0.020	≤ 24.00
		5550	8.19	0.007	11.58	0.014	13.21	0.021	≤ 24.00
		5670	7.77	0.006	11.77	0.015	13.22	0.021	≤ 24.00
		5755	8.28	0.007	8.63	0.007	11.47	0.014	≤ 30.00
		5795	8.18	0.007	8.96	0.008	11.60	0.014	≤ 30.00
802.11ac VHT80	MCS 0	5210	9.98	0.010	10.86	0.012	13.45	0.022	≤ 24.00
		5290	8.44	0.007	11.19	0.013	13.04	0.020	≤ 24.00
		5530	8.54	0.007	11.58	0.014	13.33	0.022	≤ 24.00
		5775	8.21	0.007	8.50	0.007	11.37	0.014	≤ 30.00

Note: The relevant measured result has the offset with cable loss already.

Test Mode	Data Rate	Frequency (MHz)	Max. Output Power						Limit (dBm)
			ANT-0		ANT-1		ANT-0+1		
			(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
802.11ax HE20	MCS 0	5180	9.85	0.010	10.90	0.012	13.42	0.022	≤ 24.00
		5200	9.83	0.010	10.90	0.012	13.41	0.022	≤ 24.00
		5240	9.98	0.010	10.61	0.011	13.32	0.021	≤ 24.00
		5260	9.66	0.009	10.84	0.012	13.31	0.021	≤ 24.00
		5280	9.40	0.009	11.08	0.013	13.34	0.022	≤ 24.00
		5320	9.25	0.008	10.98	0.013	13.22	0.021	≤ 24.00
		5500	9.45	0.009	11.29	0.013	13.48	0.022	≤ 24.00
		5560	8.41	0.007	11.84	0.015	13.47	0.022	≤ 24.00
		5700	8.03	0.006	11.88	0.015	13.38	0.022	≤ 24.00
		5745	8.61	0.007	8.97	0.008	11.80	0.015	≤ 30.00
		5785	8.52	0.007	8.99	0.008	11.77	0.015	≤ 30.00
		5825	8.58	0.007	8.95	0.008	11.78	0.015	≤ 30.00
802.11ax HE40	MCS 0	5190	9.52	0.009	10.71	0.012	13.17	0.021	≤ 24.00
		5230	9.64	0.009	10.60	0.011	13.16	0.021	≤ 24.00
		5270	9.20	0.008	10.79	0.012	13.08	0.020	≤ 24.00
		5310	8.98	0.008	10.97	0.013	13.10	0.020	≤ 24.00
		5510	8.70	0.007	11.17	0.013	13.12	0.021	≤ 24.00
		5550	8.24	0.007	11.62	0.015	13.27	0.021	≤ 24.00
		5670	7.81	0.006	11.84	0.015	13.29	0.021	≤ 24.00
		5755	8.28	0.007	8.61	0.007	11.46	0.014	≤ 30.00
		5795	8.18	0.007	8.95	0.008	11.59	0.014	≤ 30.00
802.11ax HE80	MCS 0	5210	10.00	0.010	10.88	0.012	13.48	0.022	≤ 24.00
		5290	9.46	0.009	11.21	0.013	13.44	0.022	≤ 24.00
		5530	8.56	0.007	11.60	0.014	13.36	0.022	≤ 24.00
		5775	8.06	0.006	8.70	0.007	11.40	0.014	≤ 30.00

Note: The relevant measured result has the offset with cable loss already.

Transmit power control Measurement

Power spectral density					
Test Mode	Frequency (MHz)	ANT-0			
		Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
802.11a	5180	-1.937	0.308	-1.629	≤ 11.00
	5200	-1.850	0.308	-1.542	≤ 11.00
	5240	-1.653	0.308	-1.345	≤ 11.00
	5260	-1.466	0.308	-1.158	≤ 11.00
	5280	-1.964	0.308	-1.656	≤ 11.00
	5320	-2.182	0.308	-1.874	≤ 11.00
	5500	-1.822	0.308	-1.514	≤ 11.00
	5560	-2.961	0.308	-2.652	≤ 11.00
	5700	-3.489	0.308	-3.181	≤ 11.00
802.11ax HE20	5180	-2.521	0.375	-2.147	≤ 11.00
	5200	-2.299	0.375	-1.924	≤ 11.00
	5240	-2.093	0.375	-1.719	≤ 11.00
	5260	-2.026	0.375	-1.651	≤ 11.00
	5280	-2.440	0.375	-2.065	≤ 11.00
	5320	-2.810	0.375	-2.435	≤ 11.00
	5500	-2.258	0.375	-1.883	≤ 11.00
	5560	-3.360	0.375	-2.986	≤ 11.00
	5700	-3.874	0.375	-3.499	≤ 11.00
802.11ax HE40	5190	-5.968	0.685	-5.284	≤ 11.00
	5230	-6.007	0.685	-5.322	≤ 11.00
	5270	-5.389	0.685	-4.705	≤ 11.00
	5310	-5.909	0.685	-5.225	≤ 11.00
	5510	-6.016	0.685	-5.332	≤ 11.00
	5550	-6.351	0.685	-5.666	≤ 11.00
	5670	-6.884	0.685	-6.199	≤ 11.00
802.11ax HE80	5210	-8.454	0.371	-8.083	≤ 11.00
	5290	-8.113	0.371	-7.742	≤ 11.00
	5530	-8.148	0.371	-7.776	≤ 11.00

Note: Method SA-2, Power density = measured result + 10 log(1/duty cycle) + Conversion ratio = measured result + duty factor.

Power spectral density					
Test Mode	Frequency (MHz)	ANT-0			
		Measurement (dBm/500 kHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/500 kHz)
802.11a	5745	-7.652	0.308	-7.344	≤ 30.00
	5785	-7.469	0.308	-7.161	≤ 30.00
	5825	-8.212	0.308	-7.904	≤ 30.00
802.11ax HE20	5745	-8.178	0.375	-7.803	≤ 30.00
	5785	-8.035	0.375	-7.660	≤ 30.00
	5825	-8.651	0.375	-8.276	≤ 30.00
802.11ax HE40	5755	-11.466	0.685	-10.782	≤ 30.00
	5795	-11.253	0.685	-10.569	≤ 30.00
802.11ax HE80	5775	-13.536	0.371	-13.165	≤ 30.00

Note: Method SA-2, Power density = measured result + 10 log(1/duty cycle) + Conversion ratio = measured result + duty factor.

Power spectral density					
Test Mode	Frequency (MHz)	ANT-1			
		Measurement (dBm/MHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/MHz)
802.11a	5180	-0.602	0.308	-0.294	≤ 11.00
	5200	-0.524	0.308	-0.216	≤ 11.00
	5240	-0.960	0.308	-0.652	≤ 11.00
	5260	-0.371	0.308	-0.063	≤ 11.00
	5280	-0.480	0.308	-0.172	≤ 11.00
	5320	-0.126	0.308	0.182	≤ 11.00
	5500	0.335	0.308	0.643	≤ 11.00
	5560	0.954	0.308	1.263	≤ 11.00
	5700	0.684	0.308	0.992	≤ 11.00
802.11ax HE20	5180	-1.185	0.375	-0.810	≤ 11.00
	5200	-1.072	0.375	-0.697	≤ 11.00
	5240	-1.509	0.375	-1.134	≤ 11.00
	5260	-0.766	0.375	-0.391	≤ 11.00
	5280	-0.669	0.375	-0.294	≤ 11.00
	5320	-0.663	0.375	-0.288	≤ 11.00
	5500	-0.225	0.375	0.150	≤ 11.00
	5560	0.408	0.375	0.783	≤ 11.00
	5700	0.307	0.375	0.682	≤ 11.00
802.11ax HE40	5190	-4.710	0.685	-4.025	≤ 11.00
	5230	-4.949	0.685	-4.264	≤ 11.00
	5270	-4.490	0.685	-3.806	≤ 11.00
	5310	-4.513	0.685	-3.829	≤ 11.00
	5510	-4.011	0.685	-3.326	≤ 11.00
	5550	-3.154	0.685	-2.470	≤ 11.00
	5670	-3.357	0.685	-2.673	≤ 11.00
802.11ax HE80	5210	-7.322	0.371	-6.951	≤ 11.00
	5290	-6.153	0.371	-5.782	≤ 11.00
	5530	-5.845	0.371	-5.474	≤ 11.00

Note: Method SA-2, Power density = measured result + 10 log(1/duty cycle) + Conversion ratio = measured result + duty factor.

Power spectral density					
Test Mode	Frequency (MHz)	ANT-1			
		Measurement (dBm/500 kHz)	Duty Factor (dB)	Calculated (dBm/MHz)	Limit (dBm/500 kHz)
802.11a	5745	-5.373	0.308	-5.065	≤ 30.00
	5785	-4.996	0.308	-4.688	≤ 30.00
	5825	-4.694	0.308	-4.386	≤ 30.00
802.11ax HE20	5745	-5.747	0.375	-5.372	≤ 30.00
	5785	-5.591	0.375	-5.217	≤ 30.00
	5825	-5.201	0.375	-4.826	≤ 30.00
802.11ax HE40	5755	-9.010	0.685	-8.326	≤ 30.00
	5795	-8.419	0.685	-7.734	≤ 30.00
802.11ax HE80	5775	-10.948	0.371	-10.577	≤ 30.00

Note: Method SA-2, Power density = measured result + 10 log(1/duty cycle) + Conversion ratio = measured result + duty factor.

Power spectral density			
Test Mode	Frequency (MHz)	ANT-0+1	
		Calculated (dBm/MHz)	Limit (dBm/MHz)
802.11a	5180	2.100	≤ 11.00
	5200	2.182	≤ 11.00
	5240	2.025	≤ 11.00
	5260	2.434	≤ 11.00
	5280	2.160	≤ 11.00
	5320	2.285	≤ 11.00
	5500	2.708	≤ 11.00
	5560	2.742	≤ 11.00
	5700	2.399	≤ 11.00
802.11ax HE20	5180	1.583	≤ 11.00
	5200	1.743	≤ 11.00
	5240	1.594	≤ 11.00
	5260	2.035	≤ 11.00
	5280	1.920	≤ 11.00
	5320	1.780	≤ 11.00
	5500	2.262	≤ 11.00
	5560	2.305	≤ 11.00
	5700	2.087	≤ 11.00
802.11ax HE40	5190	-1.599	≤ 11.00
	5230	-1.751	≤ 11.00
	5270	-1.222	≤ 11.00
	5310	-1.461	≤ 11.00
	5510	-1.204	≤ 11.00
	5550	-0.770	≤ 11.00
	5670	-1.077	≤ 11.00
802.11ax HE80	5210	-4.470	≤ 11.00
	5290	-3.642	≤ 11.00
	5530	-3.464	≤ 11.00

Note: Method SA-2, Power density = measured result + 10 log(1/duty cycle) + Conversion ratio = measured result + duty factor.

Power spectral density			
Test Mode	Frequency (MHz)	ANT-0+1	
		Calculated (dBm/500 kHz)	Limit (dBm/500 kHz)
802.11a	5745	-3.047	≤ 30.00
	5785	-2.740	≤ 30.00
	5825	-2.788	≤ 30.00
802.11ax HE20	5745	-3.409	≤ 30.00
	5785	-3.258	≤ 30.00
	5825	-3.207	≤ 30.00
802.11ax HE40	5755	-6.372	≤ 30.00
	5795	-5.914	≤ 30.00
802.11ax HE80	5775	-8.670	≤ 30.00

■ **Test Graphs**

Reference Appendix A

26 dB RF Bandwidth Measurement

Reference Appendix A

6 dB RF Bandwidth Measurement

Reference Appendix A

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