

CFR 47 FCC PART 15 SUBPART C

TEST REPORT

For

Square Register

MODEL NUMBER: SPS2-01

REPORT NUMBER: 4791923606-1-RF-3

ISSUE DATE: December 6, 2025

FCC ID:2AF3K-SPS2

Prepared for

**Block, Inc.
1955 Broadway, Suite. 600, Oakland, CA 94612, US**

Prepared by

UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch

**Room 101, Building 2, No.4, Information Road, Songshan Lake, Dongguan,
Guangdong, China**

Tel: +86 769 22038881

Fax: +86 769 33244054

Website: www.ul.com

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Revision History

Rev.	Issue Date	Revisions	Revised By
V0	December 6, 2025	Initial Issue	

Summary of Test Results

Test Item	Clause	Limit/Requirement	Result
Antenna Requirement	N/A	FCC Part 15.203/15.247 (c)	Pass
AC Power Line Conducted Emission	ANSI C63.10-2020, Clause 6.2	FCC Part 15.207	Pass
Conducted Output Power	ANSI C63.10-2020, Clause 11.9.2.3.1	FCC Part 15.247 (b)(3)	Pass
6dB Bandwidth and 99% Occupied Bandwidth	ANSI C63.10-2020, Clause 11.8.1	FCC Part 15.247 (a)(2)	Pass
Power Spectral Density	ANSI C63.10-2020, Clause 11.10.5	FCC Part 15.247 (e)	Pass
Conducted Band edge and spurious emission	ANSI C63.10-2020, Clause 11.11	FCC Part 15.247(d)	Pass
Radiated Band edge and Spurious Emission	ANSI C63.10-2020, Clause 11.12	FCC Part 15.247 (d) FCC Part 15.205/15.209	Pass
Duty Cycle	ANSI C63.10-2020, Clause 11.6	None; for reporting purposes only.	Pass

*This test report is only published to and used by the applicant, and it is not for evidence purpose in China.

*The measurement result for the sample received is <Pass> according to <CFR 47 FCC PART 15 SUBPART C> when <Simple Acceptance> decision rule is applied.

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1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name: Block, Inc.
Address: 1955 Broadway, Suite. 600, Oakland, CA 94612, US

Manufacturer Information

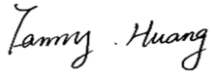
Company Name: Block, Inc.
Address: 1955 Broadway, Suite. 600, Oakland, CA 94612, US

EUT Information

EUT Name: Square Register
Model: SPS2-01
Brand: Square
Sample Received Date: September 17, 2025
Sample Status: Normal
Sample ID: 8925678
Date of Tested: October 9, 2025 to December 6, 2025

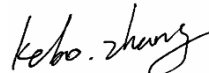
APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
CFR 47 FCC PART 15 SUBPART C	Pass

Prepared By:



Fanny Huang
Project Engineer

Checked By:



Kebo Zhang
Operations Leader

Approved By:



Stephen Guo
Operations Manager

2. TEST METHODOLOGY

All tests were performed in accordance with the standard CFR 47 FCC PART 15 SUBPART C , KDB 558074 D01 15.247 Meas Guidance v05r02, KDB 414788 D01 Radiated Test Site v01r01, KDB 662911 D01 Multiple Transmitter Output v02r01, CFR 47 FCC Part 2, ANSI C63.10-2020.

3. FACILITIES AND ACCREDITATION

Accreditation Certificate	A2LA (Certificate No.: 4102.01) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with A2LA. FCC (FCC Designation No.: CN1187) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. Has been recognized to perform compliance testing on equipment subject to the Commission's Declaration of Conformity (DoC) and Certification rules. ISED (Company No.: 21320) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been registered and fully described in a report filed with ISED. The Company Number is 21320 and the test lab Conformity Assessment Body Identifier (CABID) is CN0046. VCCI (Registration No.: C-20202, G-20240, R-20248 and T-20202) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with VCCI, the Membership No. is 3793. Facility Name: Chamber E, the VCCI registration No. is G-20240 and R-20248 Shielding Room F, the VCCI registration No. is C-20202 and T-20202
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Note 1:

All tests measurement facilities use to collect the measurement data are located at Room 101, Building 2, No.4, Information Road, Songshan Lake, Dongguan, Guangdong, China.

Note 2:

The test anechoic chamber in UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch had been calibrated and compared to the open field sites and the test anechoic chamber is shown to be equivalent to or worst case from the open field site.

Note 3:

For below 30 MHz, lab had performed measurements at test anechoic chamber and comparing to measurements obtained on an open field site. And these measurements below 30 MHz had been correlated to measurements performed on an OFS.

4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations and is traceable to recognized national standards.

4.2. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

Test Item	Uncertainty
Conduction emission	3.62 dB
Radiated Emission (Included Fundamental Emission) (9 kHz ~ 30 MHz)	2.2 dB
Radiated Emission (Included Fundamental Emission) (30 MHz ~ 1 GHz)	4.00 dB
Radiated Emission (Included Fundamental Emission) (1 GHz to 26 GHz)	5.78 dB (1 GHz ~ 18 GHz)
	5.23 dB (18 GHz ~ 26 GHz)
Duty Cycle	±0.028%
DTS and 99% Occupied Bandwidth	±0.0196%
Maximum Conducted Output Power	±0.686 dB
Maximum Power Spectral Density Level	±0.743 dB
Conducted Band-edge Compliance	±1.328 dB
Conducted Unwanted Emissions In Non-restricted Frequency Bands	±0.746 dB (9 kHz ~ 1 GHz)
	±1.328dB (1 GHz ~ 26 GHz)
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.	

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

EUT Name	Square Register
Model	SPS2-01

Frequency Range:	2412 MHz to 2462 MHz
Type of Modulation:	IEEE 802.11b: DSSS(CCK, DQPSK, DBPSK) IEEE 802.11g/n: OFDM(64-QAM, 16-QAM, QPSK, BPSK) IEEE 802.11ax: OFDMA(1024-QAM, 64-QAM, 16-QAM, QPSK, BPSK)
Radio Technology:	IEEE 802.11b/g/n HT20/n HT40/ax HE20/ax HE40
Normal Test Voltage:	AC 120 V, 60 Hz

5.2. CHANNEL LIST

Channel List For Bandwidth=20 MHz							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2412	4	2427	7	2442	10	2457
2	2417	5	2432	8	2447	11	2462
3	2422	6	2437	9	2452	/	/

Channel List For Bandwidth=40 MHz							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
3	2422	5	2432	7	2442	9	2452
4	2427	6	2437	8	2447	/	/

5.3. MAXIMUM POWER

IEEE Std. 802.11	Frequency (MHz)	Channel Number	Maximum Conducted AVG Output Power (dBm)	Maximum AVG EIRP (dBm)
b	2412 ~ 2462	1-11[11]	24.24	29.14
g	2412 ~ 2462	1-11[11]	21.78	26.68
n HT20	2412 ~ 2462	1-11[11]	22.12	27.02
n HT40	2422 ~ 2452	3-9[7]	19.85	24.75
ax HE20	2412 ~ 2462	1-11[11]	21.18	26.08
ax HE40	2422 ~ 2452	3-9[7]	19.02	23.92

5.4. TEST CHANNEL CONFIGURATION

IEEE Std. 802.11	Test Channel Number	Frequency
b	CH 1(Low Channel), CH 6(MID Channel), CH 11(High Channel)	2412 MHz, 2437 MHz, 2462 MHz
g	CH 1(Low Channel), CH 6(MID Channel), CH 11(High Channel)	2412 MHz, 2437 MHz, 2462 MHz
n HT20	CH 1(Low Channel), CH 6(MID Channel), CH 11(High Channel)	2412 MHz, 2437 MHz, 2462 MHz
n HT40	CH 3(Low Channel), CH 6(MID Channel), CH 9(High Channel)	2422 MHz, 2437 MHz, 2452 MHz
ax HE20	CH 1(Low Channel), CH 6(MID Channel), CH 11(High Channel)	2412 MHz, 2437 MHz, 2462 MHz
ax HE40	CH 3(Low Channel), CH 6(MID Channel), CH 9(High Channel)	2422 MHz, 2437 MHz, 2452 MHz

5.5. THE WORSE CASE POWER SETTING PARAMETER

The Worse Case Power Setting Parameter under 2400 ~ 2483.5MHz Band	
Test Software	QRCT

Mode	Freq(MHz)	Tx power level(dBm)
		ANT0&ANT1
802.11b	2412	20.5
	2437	21
	2457	20.5
	2462	19.5
802.11g	2412	16.5
	2417	18
	2437	19
	2452	18.5
	2457	17.5
	2462	15.5
802.11n 20M	2412	16.5
	2417	18.5
	2437	19.5
	2457	18.5
	2462	16
802.11n 40M	2422	15.5
	2427	16.5
	2437	17
	2447	17
	2452	16

Mode	Freq(MHz)	RU size	RU Index	Tx power level (dBm)
				ANT0&ANT1
802.11ax 20M	2412	26	0	3.5
		52	37	4.5
		106	53	8.5
		SU	/	15.5
	2417	SU	/	18
	2437	26	4	4
		52	38	5
		106	53	9
		SU	/	18.5
	2452	SU	/	18
	2457	SU	/	17
	2462	26	8	2.5
		52	40	4.5
		106	54	8
		SU	/	14.5
802.11ax 40M	2422	SU	/	16
	2437	SU	/	16.5
	2452	SU	/	15.5

5.6. WORST-CASE CONFIGURATIONS

The EUT was tested in the following configuration(s):

Controlled in test mode using a software application on the EUT supplied by customer. The application was used to enable a continuous transmission and to select the mode, test channels, bandwidth, data rates as required.

Test channels referring to section 5.4.

Maximum power setting referring to section 5.5.

Worst-case data rates as provided by the client were:

802.11b mode: 1 Mbps
802.11g mode: 6 Mbps
802.11n HT20 mode: MCS0
802.11n HT40 mode: MCS0
802.11ax HE20 mode: MCS0
802.11ax HE40 mode: MCS0

All modes support SISO mode and MIMO.

SISO mode and MIMO mode have the same power setting, so only the worst case power mode(MIMO) will be record in the report.

The measured additional path loss was included in any path loss calculations for all RF cable used during tested.

802.11ax HE20 and 802.11ax HE40 support Full RU, SU (Single User) and partial RU tone. According to Preliminary Investigation, the power and PSD of Partial RU (26T, 52T, 106T, 242T, SU) were lower than the Full RU, and there was no worst band edge and spurious in Partial RU. It was determined that Full RU modes were the worst case over Partial RU Tone (26T, 52T, 106T, 242T, SU) in every instance. Therefore, Full RU modes were tested to represent Partial RU modes as the worst-case scenario.

For Harmonics and Spurious Emissions, only the maximum power and PSD mode 802.11b was perform in this report.

5.7. DESCRIPTION OF AVAILABLE ANTENNAS

Antenna	Frequency (MHz)	Antenna Type	MAX Antenna Gain (dBi)
1	2412 ~ 2472	FPC antenna	4.9
2	2412 ~ 2472	FPC antenna	4.2

The EUT support Cyclic Shift Diversity(CDD) mode.

MIMO output power port and MIMO PSD port summing were performed in accordance with KDB 662911 D01. For the CDD results the Directional Gain was calculated in accordance with the following method.

For output power measurements:

Directional gain= $G_{ANT} + \text{Array Gain} = 4.9 \text{ dBi}$

G_{ANT} : equal to the gain of the antenna having the highest gain

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$

For power spectral density (PSD) measurements:

Directional gain = $10 \log[(10^{G^1/20} + 10^{G^2/20} + \dots + 10^{G^N/20})^2/N_{ANT}] \text{ dBi}$

Directional gain = 7.57 dBi

Test Mode	Transmit and Receive Mode	Description
IEEE 802.11b	☒2TX, 2RX	ANT 1 and ANT 2 can be used as transmitting/receiving antenna.
IEEE 802.11g	☒2TX, 2RX	ANT 1 and ANT 2 can be used as transmitting/receiving antenna.
IEEE 802.11n HT20	☒2TX, 2RX	ANT 1 and ANT 2 can be used as transmitting/receiving antenna.
IEEE 802.11n HT40	☒2TX, 2RX	ANT 1 and ANT 2 can be used as transmitting/receiving antenna.
IEEE 802.11ax HE20	☒2TX, 2RX	ANT 1 and ANT 2 can be used as transmitting/receiving antenna.
IEEE 802.11ax HE40	☒2TX, 2RX	ANT 1 and ANT 2 can be used as transmitting/receiving antenna.
1. Only BT & WIFI 5G can transmit simultaneously. (declared by client)		

5.8. SUPPORT UNITS FOR SYSTEM TEST

SUPPORT EQUIPMENT

Item	Equipment	Brand Name	Model Name	Remarks
1	Laptop	Lenovo	E42-80	R303U5AG

I/O CABLES

Cable No	Port	Connector Type	Cable Type	Cable Length(m)	Remarks
1	USB	Type C	/	1.0	/

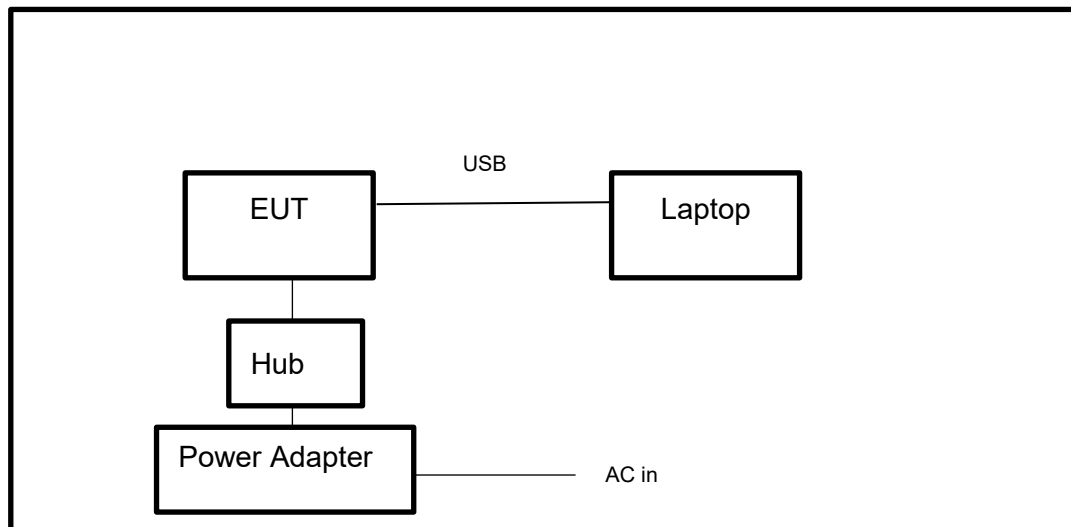
ACCESSORIES

Item	Accessory	Brand Name	Model Name	Description
1	Power Adapter	/	SWJ4-01	/
2	Hub	/	SHG3-01	/

TEST SETUP

The EUT can work in engineering mode with a software through a Laptop.

SETUP DIAGRAM FOR TESTS



6. MEASURING EQUIPMENT AND SOFTWARE USED

R&S TS 8997 Test System					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due. Date
Power sensor, Power Meter	R&S	OSP120	100921	Dec.27,2024	Dec.26,2025
Vector Signal Generator	R&S	SMBV100A	261637	Sep.12, 2025	Sep.11, 2026
Signal Generator	R&S	SMB100A	178553	Sep.12, 2025	Sep.11, 2026
Signal Analyzer	R&S	FSV40	101118	Sep.12, 2025	Sep.11, 2026
Software					
Description		Manufacturer		Name	Version
For R&S TS 8997 Test System		Rohde & Schwarz		EMC 32	10.60.10
Tonsend RF Test System					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due. Date
Wireless Connectivity Tester	R&S	CMW270	1201.0002N75-102	Sep.12, 2025	Sep.11, 2026
PXA Signal Analyzer	Keysight	N9030A	MY55410512	Sep.12, 2025	Sep.11, 2026
MXG Vector Signal Generator	Keysight	N5182B	MY56200284	Sep.12, 2025	Sep.11, 2026
MXG Vector Signal Generator	Keysight	N5172B	MY56200301	Sep.12, 2025	Sep.11, 2026
DC power supply	TSSTAKASAGO	ZX-400L	409150160137	Sep.12, 2025	Sep.11, 2026
Temperature & Humidity Chamber	SANMOOD	SG-80-CC-2	2088	Sep.12, 2025	Sep.11, 2026
Attenuator	Aglient	8495B	2814a12853	Sep.12, 2025	Sep.11, 2026
RF Control Unit	Tonscend	JS0806-2	23B80620666	Dec.27,2024	Dec.26,2025
Software					
Description	Manufacturer	Name			Version
Tonsend SRD Test System	Tonsend	JS1120-3 RF Test System			V3.2.22

Conducted Emissions					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
EMI Test Receiver	R&S	ESR3	101961	Sep.12, 2025	Sep.11, 2026
Two-Line V-Network	R&S	ENV216	101983	Sep.12, 2025	Sep.11, 2026
Artificial Mains Networks	Schwarzbeck	NSLK 8126	8126465	Sep.12, 2025	Sep.11, 2026
Software					
Description			Manufacturer	Name	Version
Test Software for Conducted Emissions			Farad	EZ-EMC	Ver. UL-3A1

Radiated Emissions					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
MXE EMI Receiver	KESIGHT	N9038A	MY56400036	Sep.12, 2025	Sep.11, 2026
Hybrid Log Periodic Antenna	TDK	HLP-3003C	130960	June 28, 2024	June.27 2027
Preamplifier	HP	8447D	2944A09099	Sep.12, 2025	Sep.11, 2026
EMI Measurement Receiver	R&S	ESR26	101377	Sep.12, 2025	Sep.11, 2026
Horn Antenna	TDK	HRN-0118	130940	Dec.10, 2024	Dec.11, 2027
Preamplifier	TDK	PA-02-0118	TRS-305-00067	Sep.12, 2025	Sep.11, 2026
Horn Antenna	Schwarzbeck	BBHA9170	697	Jun 30, 2024	Jun 29, 2027
Preamplifier	TDK	PA-02-2	TRS-307-00003	Sep.12, 2025	Sep.11, 2026
Preamplifier	TDK	PA-02-3	TRS-308-00002	Sep.12, 2025	Sep.11, 2026
Loop antenna	Schwarzbeck	1519B	00008	Dec.09, 2024	Dec.08, 2027
High Pass Filter	Wi	WHKX10-2700-3000-18000-40SS	23	Sep.12, 2025	Sep.11, 2026
Band Reject Filter	Wainwright	WRCJV8-2350-2400-2483.5-2533.5-40SS	4	Sep.12, 2025	Sep.11, 2026
Software					
Description			Manufacturer	Name	Version
Test Software for Radiated Emissions			Farad	EZ-EMC	Ver. UL-3A1

Other Instrument					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
Temperature humidity probe	OMEGA	ITHX-SD-5	18470007	Sep.16, 2025	Sep.15, 2026
Barometer	Yiyi	Baro	N/A	Sep.19, 2025	Sep.18, 2026
Attenuator	Agilent	8495B	2814a12853	Sep.12, 2025	Sep.11, 2026

7. ANTENNA PORT TEST RESULTS

7.1. CONDUCTED OUTPUT POWER

LIMITS

CFR 47 FCC Part15 (15.247) Subpart C			
Section	Test Item	Limit	Frequency Range (MHz)
CFR 47 FCC 15.247(b)(3)	AVG Output Power	1 watt or 30 dBm	2400-2483.5

TEST PROCEDURE

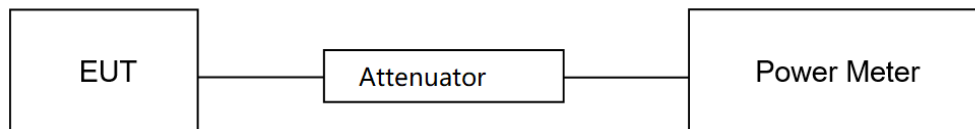
Refer to ANSI C63.10-2020 clause 11.9.2.3.1.

Connect the EUT to a low loss RF cable from the antenna port to the power sensor (video bandwidth is greater than the occupied bandwidth).

Measure peak emission level, the indicated level is the average output power, after any corrections for external attenuators and cables.

The test result in dBm by adding $[10 \log (1 / D)]$, where D is the duty cycle.

TEST SETUP



TEST ENVIRONMENT

Temperature	24.5°C	Relative Humidity	54.3%
Atmosphere Pressure	101kPa	Test Voltage	AC 120V 60Hz

TEST DATE / ENGINEER

Test Date	November 7, 2025	Test By	Bairong Liu
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TEST RESULTS

Please refer to section "Test Data" - Appendix C

7.2. 6DB BANDWIDTH AND 99% OCCUPIED BANDWIDTH

LIMITS

CFR 47 FCC Part15 (15.247) Subpart C			
Section	Test Item	Limit	Frequency Range (MHz)
CFR 47 FCC 15.247(a)(2)	6 dB Bandwidth	≥ 500 kHz	2400-2483.5
ISED RSS-Gen Clause 6.7	99 % Occupied Bandwidth	For reporting purposes only.	2400-2483.5

TEST PROCEDURE

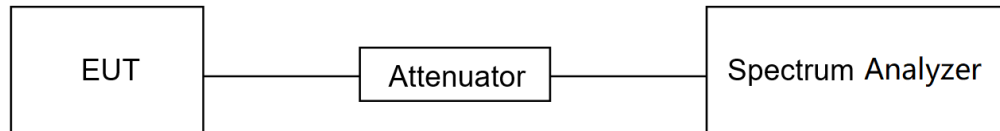
Refer to ANSI C63.10-2020 clause 11.8 for DTS bandwidth and clause 6.9 for Occupied Bandwidth.

Connect the EUT to the spectrum analyzer and use the following settings:

Center Frequency	The center frequency of the channel under test
Frequency Span	For 6 dB Bandwidth: Enough to capture all products of the modulation carrier emission For 99 % Occupied Bandwidth: Between 1.5 times and 5.0 times the OBW
Detector	Peak
RBW	For 6 dB Bandwidth: 1 % to 5 % of the OBW but not less than 100 kHz For 99 % Occupied Bandwidth: 1 % to 5 % of the occupied bandwidth
VBW	For 6 dB Bandwidth: $\geq 3 \times$ RBW For 99 % Occupied Bandwidth: $\geq 3 \times$ RBW
Trace	Max hold
Sweep	Auto couple

a) Use the 99 % power bandwidth function of the instrument, allow the trace to stabilize and report the measured bandwidth.

b) Allow the trace to stabilize and measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

TEST SETUP**TEST ENVIRONMENT**

Temperature	24.5℃	Relative Humidity	54.3%
Atmosphere Pressure	101kPa	Test Voltage	AC 120V 60Hz

TEST DATE / ENGINEER

Test Date	November 7, 2025	Test By	Bairong Liu
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TEST RESULTS

Please refer to section "Test Data" - Appendix A&B

7.3. POWER SPECTRAL DENSITY

LIMITS

CFR 47 FCC Part15 (15.247) Subpart C			
Section	Test Item	Limit	Frequency Range (MHz)
CFR 47 FCC §15.247 (e)	Power Spectral Density	8 dBm in any 3 kHz band	2400-2483.5

TEST PROCEDURE

Refer to ANSI C63.10-2020 clause 11.10.5.

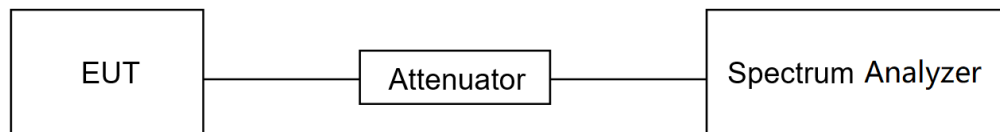
Connect the EUT to the spectrum analyzer and use the following settings:

Center Frequency	The center frequency of the channel under test
Detector	power averaging (rms)
RBW	$3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$
VBW	$\geq 3 \times \text{RBW}$
Span	$> 1.5 \times \text{OBW bandwidth}$
Trace	Employ trace averaging(rms)mode over a minimum of 100 traces
Sweep time	Auto couple

Allow trace to fully stabilize and use the peak marker function to determine the maximum amplitude level within the RBW.

If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

TEST SETUP



TEST ENVIRONMENT

Temperature	24.5°C	Relative Humidity	54.3%
Atmosphere Pressure	101kPa	Test Voltage	AC 120V 60Hz

TEST DATE / ENGINEER

Test Date	November 7, 2025	Test By	Bairong Liu
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TEST RESULTS

Please refer to section "Test Data" - Appendix D

7.4. CONDUCTED BAND EDGE AND SPURIOUS EMISSION

LIMITS

CFR 47 FCC Part15 (15.247) Subpart C		
Section	Test Item	Limit
CFR 47 FCC §15.247 (d)	Conducted Bandedge and Spurious Emissions	at least 30 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power

TEST PROCEDURE

Refer to ANSI C63.10-2020 clause 11.11.

Connect the EUT to the spectrum analyzer and use the following settings for reference level measurement:

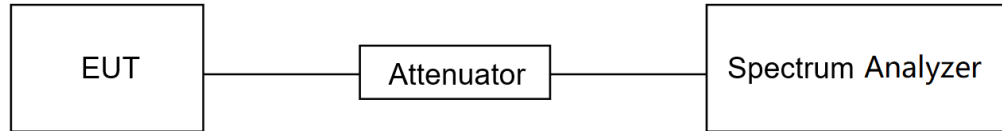
Center Frequency	The center frequency of the channel under test
Detector	Peak
RBW	100 kHz
VBW	$\geq 3 \times \text{RBW}$
Span	$\geq 1.5 \times \text{DTS bandwidth}$
Trace	Max hold
Sweep time	No faster than coupled (auto) time

Allow trace to fully stabilize and use the peak marker function to determine the maximum PSD level.

Change the settings for emission level measurement:

Span	Set the center frequency and span to encompass frequency range to be measured
Detector	Peak
RBW	100 kHz
VBW	$\geq 3 \times \text{RBW}$
measurement points	$\geq \text{span}/\text{RBW}$
Trace	Max hold
Sweep time	No faster than coupled (auto) time

Allow trace to fully stabilize and use the peak marker function to determine the maximum PSD level. Ensure that the amplitude of all unwanted emissions outside of the authorized frequency band (excluding restricted frequency bands) is attenuated by at least the minimum requirements specified in 11.11.

TEST SETUP**TEST ENVIRONMENT**

Temperature	24.5℃	Relative Humidity	54.3%
Atmosphere Pressure	101kPa	Test Voltage	AC 120V 60Hz

TEST DATE / ENGINEER

Test Date	November 7, 2025	Test By	Bairong Liu
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TEST RESULTS

Please refer to section "Test Data" - Appendix E&F

7.5. DUTY CYCLE

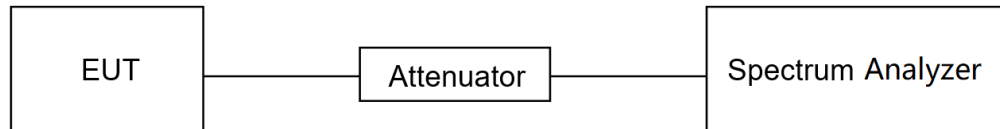
LIMITS

None; for reporting purposes only.

TEST PROCEDURE

Refer to ANSI C63.10-2020 clause 11.6 Zero – Span Spectrum Analyzer method.

TEST SETUP



TEST ENVIRONMENT

Temperature	24.5°C	Relative Humidity	54.3%
Atmosphere Pressure	101kPa	Test Voltage	AC 120V 60Hz

TEST DATE / ENGINEER

Test Date	November 7, 2025	Test By	Bairong Liu
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TEST RESULTS

Please refer to section "Test Data" - Appendix G

8. RADIATED TEST RESULTS

LIMITS

Please refer to CFR 47 FCC §15.205 and §15.209.

Radiation Disturbance Test Limit:

Emissions radiated outside of the specified frequency bands above 30 MHz			
Frequency Range (MHz)	Field Strength Limit ($\mu\text{V/m}$) at 3 m	Field Strength Limit (dB $\mu\text{V/m}$) at 3 m	
		Quasi-Peak	
30 - 88	100	40	
88 - 216	150	43.5	
216 - 960	200	46	
Above 960	500	54	
Above 1000	500	Peak	Average
		74	54

FCC Emissions radiated outside of the specified frequency bands below 30 MHz		
Frequency (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

FCC Restricted bands of operation refer to FCC §15.205 (a):

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
¹ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(²)
13.36-13.41			

Note: ¹Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

²Above 38.6c

TEST PROCEDURE

Below 30 MHz

The setting of the spectrum analyzer

RBW	200 Hz (From 9 kHz to 0.15 MHz)/ 9 kHz (From 0.15 MHz to 30 MHz)
VBW	200 Hz (From 9 kHz to 0.15 MHz)/ 9 kHz (From 0.15 MHz to 30 MHz)
Sweep	Auto

1. The testing follows the guidelines in ANSI C63.10-2020 clause 6.4.
2. The EUT was arranged to its worst case and then turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both Horizontal, Face-on and Face-off polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 80 cm above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a 1 m height antenna tower.
5. The radiated emission limits are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz Radiated emission limits in these three bands are based on measurements employing an average detector.
6. For measurement below 1 GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak and average detector mode re-measured. If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak and average detector and reported.

7. Although these tests were performed other than open field site, adequate comparison measurements were confirmed against 30m open field site. Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field site based on KDB 414788.

8. The limits in CFR 47, Part 15, Subpart C, paragraph 15.209 (a), are identical to those in RSS-GEN Section 8.9, Table 6, since the measurements are performed in terms of magnetic field strength and converted to electric field strength levels (as reported in the table) using the free space impedance of 377Ω . For example, the measurement frequency X kHz resulted in a level of Y dBuV/m, which is equivalent to $Y-51.5 = Z$ dBuA/m, which has the same margin, W dB, to the corresponding RSS-GEN Table 6 limit as it has to be 15.209(a) limit.

Below 1 GHz and above 30 MHz

The setting of the spectrum analyzer

RBW	120 kHz
VBW	300 kHz
Sweep	Auto
Detector	Peak/QP
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10-2020 clause 6.5.
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 80 cm above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
5. For measurement below 1 GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured. If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.

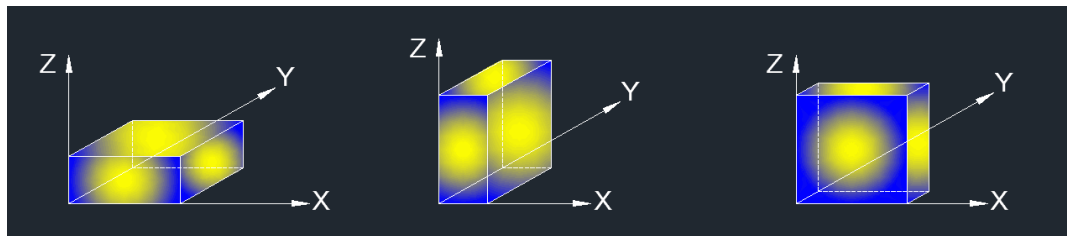
Above 1 GHz

The setting of the spectrum analyzer

RBW	1 MHz
VBW	PEAK: 3 MHz AVG: see note 6
Sweep	Auto
Detector	Peak
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10-2020 clause 6.6.
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 1.5 m above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
5. For measurement above 1 GHz, the emission measurement will be measured by the peak detector. This peak level, once corrected, must comply with the limit specified in Section 15.209.
6. For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements and 1 MHz resolution bandwidth with 1/T video bandwidth with peak detector for average measurements. For the Duty Cycle please refer to clause 7.5. ON TIME AND DUTY CYCLE.

X axis, Y axis, Z axis positions:



Note 1: For all radiated test, EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data recorded in the report.

Note 2: The EUT was fully exercised with external accessories during the test. In the case of multiple accessory external ports, an external accessory shall be connected to one of each type of port.

For Restricted Bandedge:

Note:

1. Measurement = Reading Level + Correct Factor.
2. If the peak values are less than the average limit of 54 dBuV/m, the average result is deemed to comply with average limit.
3. PK=Peak: Peak detector.
4. AV=Average: VBW=1/Ton, where: Ton is the transmitting duration.
5. For the transmitting duration, please refer to clause 7.5.
6. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.
7. Both horizontal and vertical have been tested, only the worst data was recorded in the report.
8. All modes have been tested, but only the worst data was recorded in the report.

For Radiate Spurious emission (9 kHz ~ 30 MHz):

Note:

1. Measurement = Reading Level + Correct Factor.
2. If the peak values are less than the QP limit, the QP result is deemed to comply with QP limit.
3. All 3 polarizations (Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report.
4. All modes have been tested, but only the worst data was recorded in the report.
5. $\text{dBuA/m} = \text{dBuV/m} - 20\log_{10}[120\pi] = \text{dBuV/m} - 51.5$

For Radiate Spurious Emission (30 MHz ~ 1 GHz):

Note:

1. Result Level = Read Level + Correct Factor.
2. If the peak values are less than the QP limit, the QP result is deemed to comply with QP limit.
3. All modes have been tested, but only the worst data was recorded in the report.

For Radiate Spurious Emission (1 GHz ~ 3 GHz):

Note:

1. Measurement = Reading Level + Correct Factor.
2. If the peak values are less than the average limit of 54 dBuV/m, the average result is deemed to comply with average limit.
3. Peak: Peak detector.
4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.
5. For the transmitting duration, please refer to clause 7.5.
6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.
7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
8. All modes have been tested, but only the worst data was recorded in the report.

For Radiate Spurious Emission (3 GHz ~ 18 GHz):

Note:

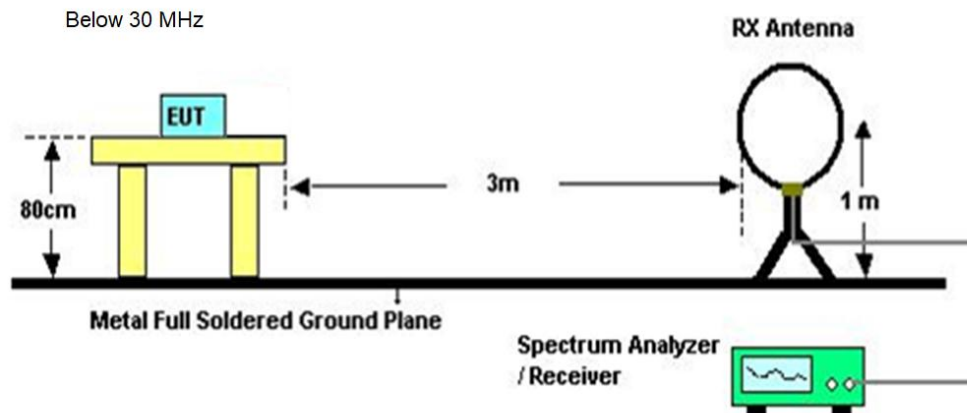
1. Peak Result = Reading Level + Correct Factor.
2. If the peak values are less than the average limit of 54 dBuV/m, the average result is deemed to comply with average limit.
3. Peak: Peak detector.
4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.
5. For the transmitting duration, please refer to clause 7.5.
6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
8. All modes have been tested, but only the worst data was recorded in the report.

For Radiate Spurious emission (18 GHz ~ 26 GHz):

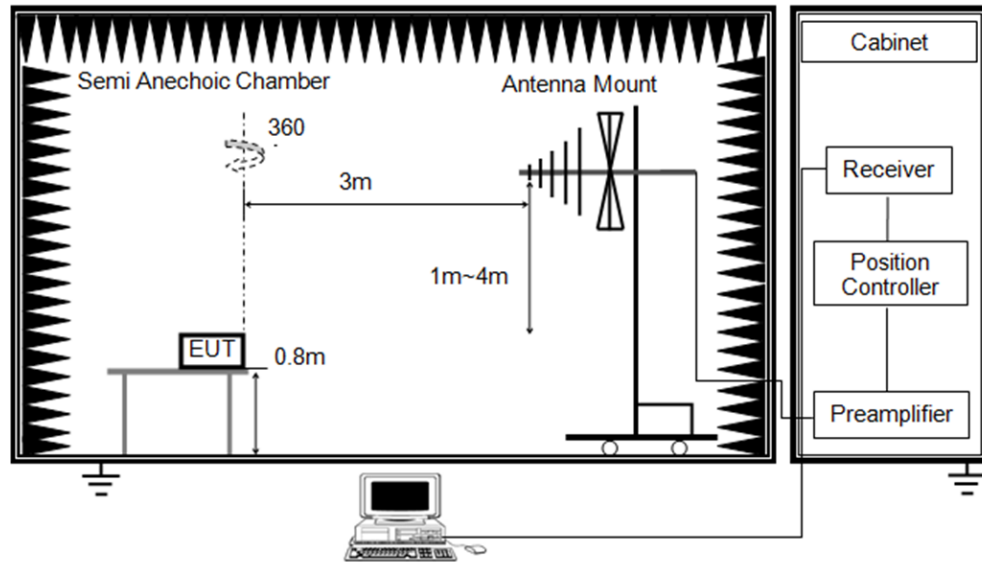
Note:

1. Measurement = Reading Level + Correct Factor.
2. If the peak values are less than the average limit of 54 dBuV/m, the average result is deemed to comply with average limit.
3. Peak: Peak detector.
4. All modes have been tested, but only the worst data was recorded in the report.

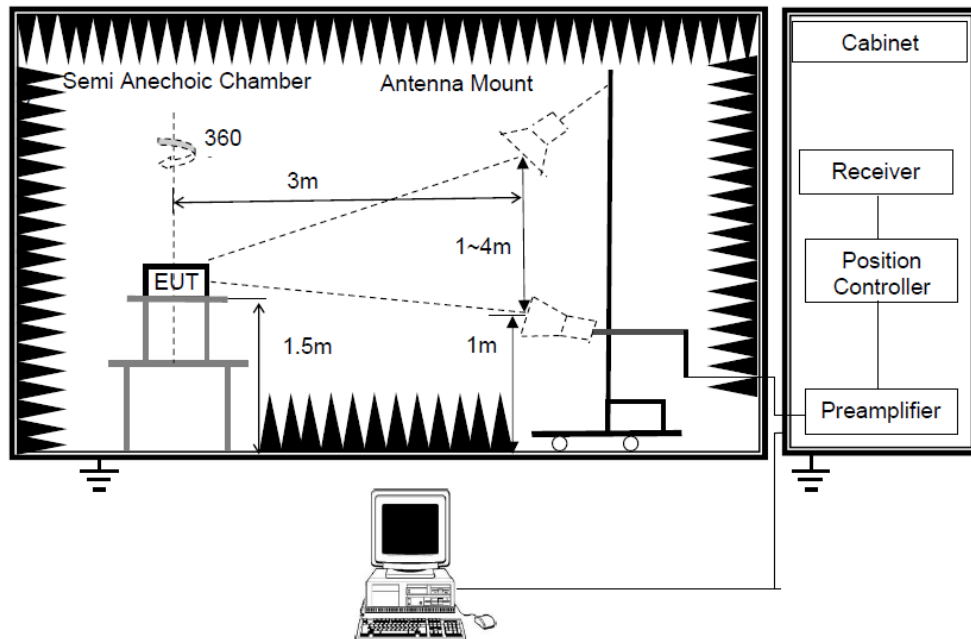
TEST SETUP



Below 1 GHz and above 30 MHz



Above 1GHz



TEST ENVIRONMENT

Temperature	20.5℃	Relative Humidity	58.6%
Atmosphere Pressure	101kPa	Test Voltage	

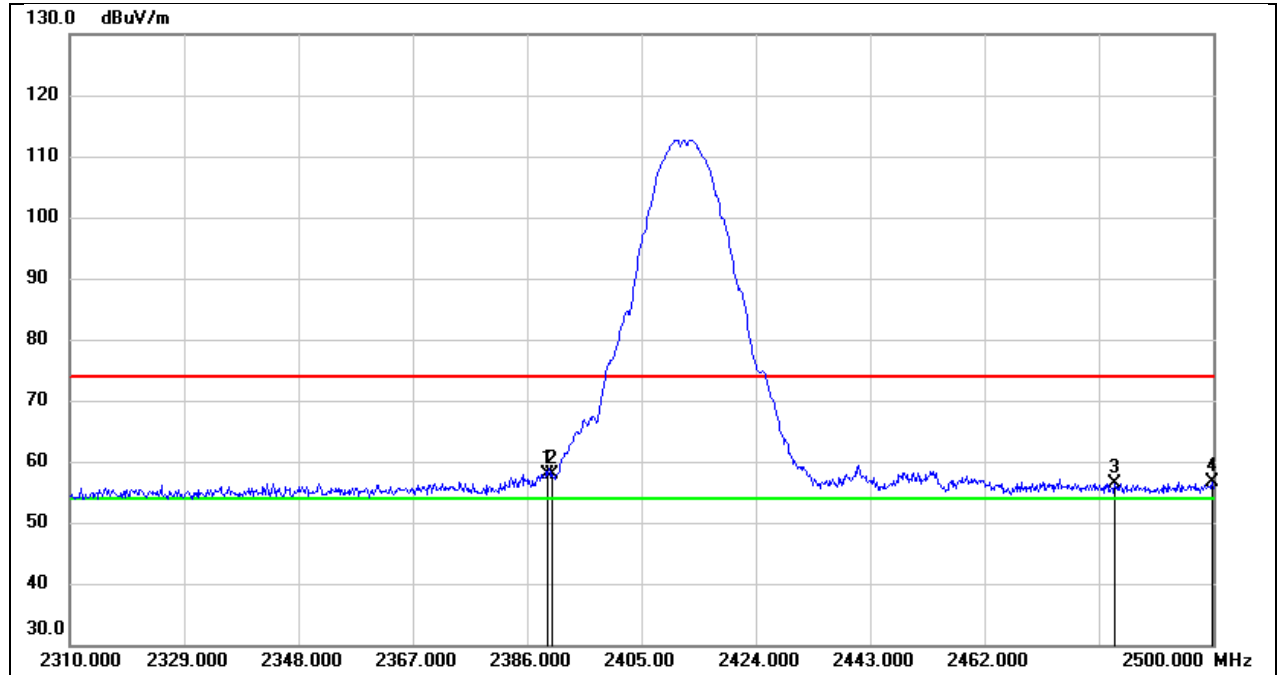
TEST DATE / ENGINEER

Test Date	November 14, 2025	Test By	Mason Wang
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TEST RESULTS

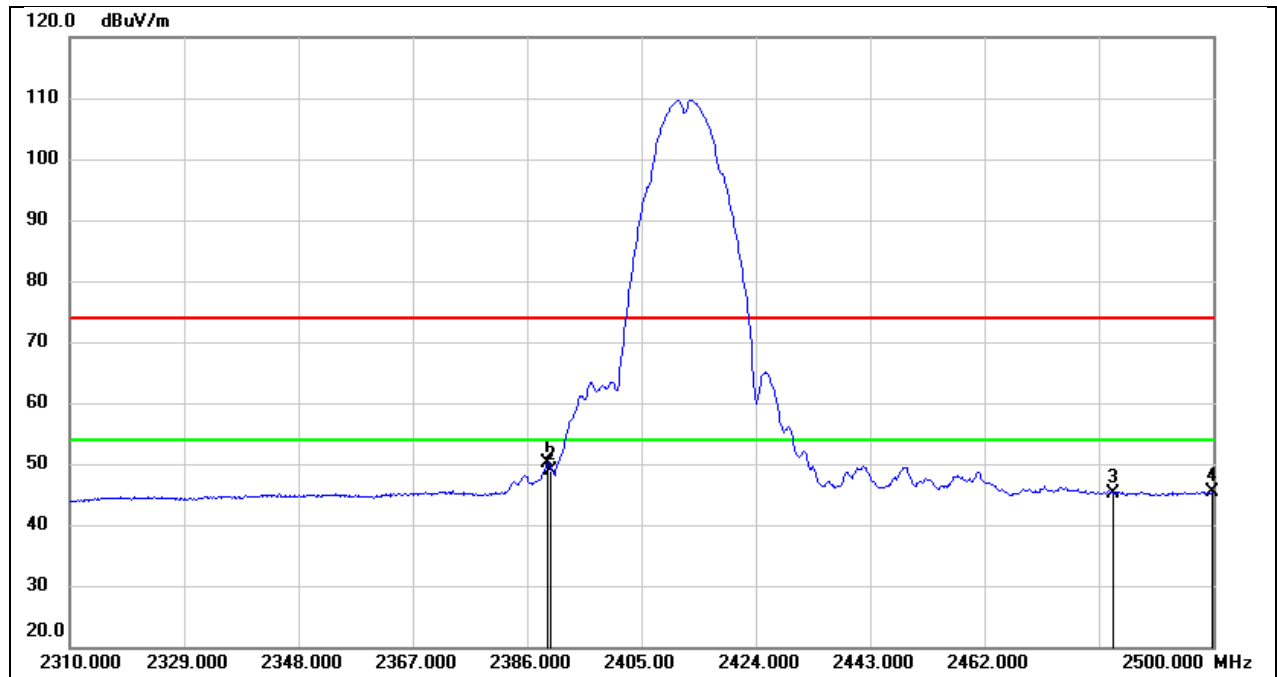
8.1. RESTRICTED BANDEDGE

Test Mode:	802.11b PK	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



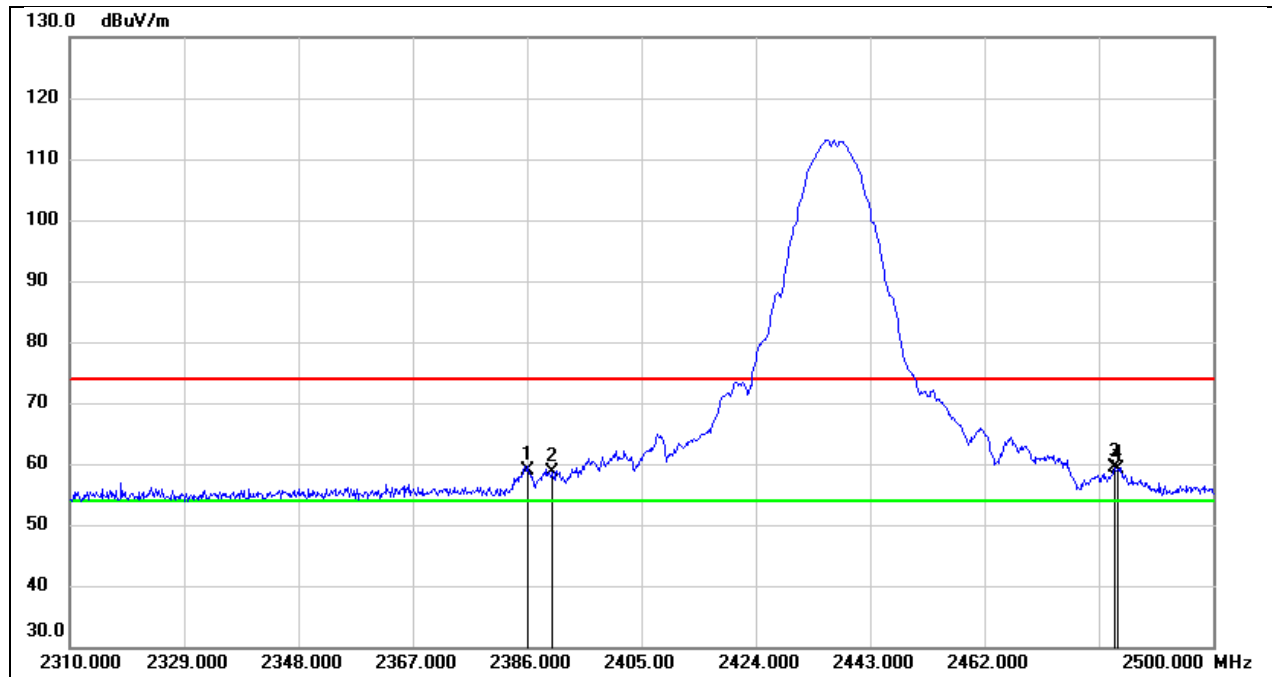
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.420	42.61	15.15	57.76	74.00	-16.24	peak
2	2390.000	42.63	15.16	57.79	74.00	-16.21	peak
3	2483.500	40.88	15.56	56.44	74.00	-17.56	peak
4	2499.810	41.07	15.63	56.70	74.00	-17.30	peak

Test Mode:	802.11b AV	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



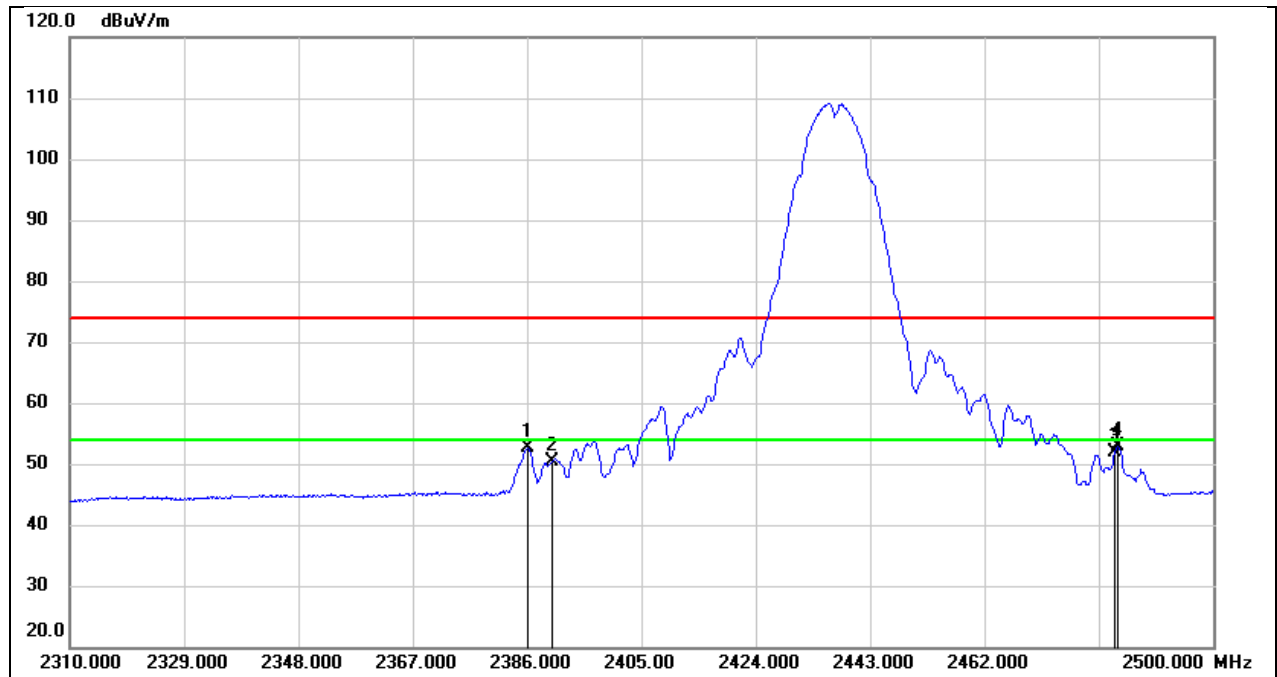
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.420	34.90	15.15	50.05	54.00	-3.95	AVG
2	2390.000	33.61	15.16	48.77	54.00	-5.23	AVG
3	2483.500	29.64	15.56	45.20	54.00	-8.80	AVG
4	2499.810	29.83	15.63	45.46	54.00	-8.54	AVG

Test Mode:	802.11b PK	Frequency(MHz):	2437
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



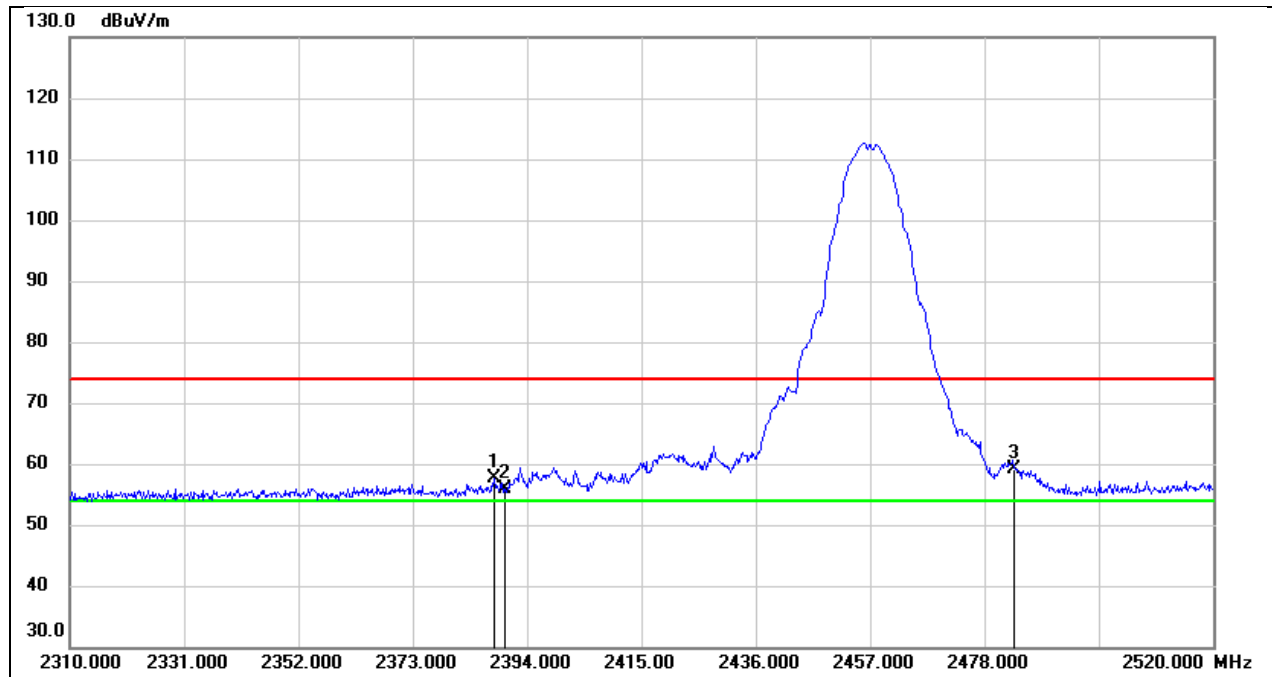
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2386.190	43.83	15.14	58.97	74.00	-15.03	peak
2	2390.000	43.43	15.16	58.59	74.00	-15.41	peak
3	2483.500	43.93	15.56	59.49	74.00	-14.51	peak
4	2484.040	43.46	15.56	59.02	74.00	-14.98	peak

Test Mode:	802.11b AV	Frequency(MHz):	2437
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



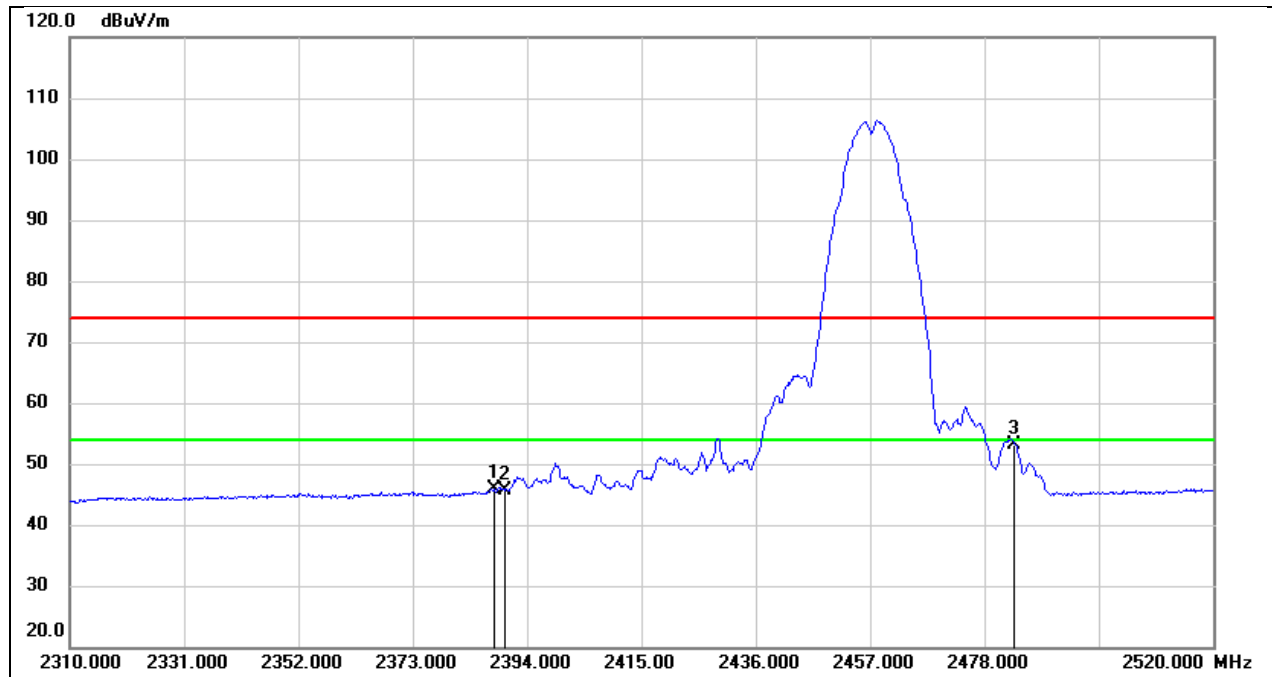
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2386.190	37.40	15.14	52.54	54.00	-1.46	AVG
2	2390.000	35.12	15.16	50.28	54.00	-3.72	AVG
3	2483.500	36.41	15.56	51.97	54.00	-2.03	AVG
4	2484.040	37.41	15.56	52.97	54.00	-1.03	AVG

Test Mode:	802.11b PK	Frequency(MHz):	2457
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



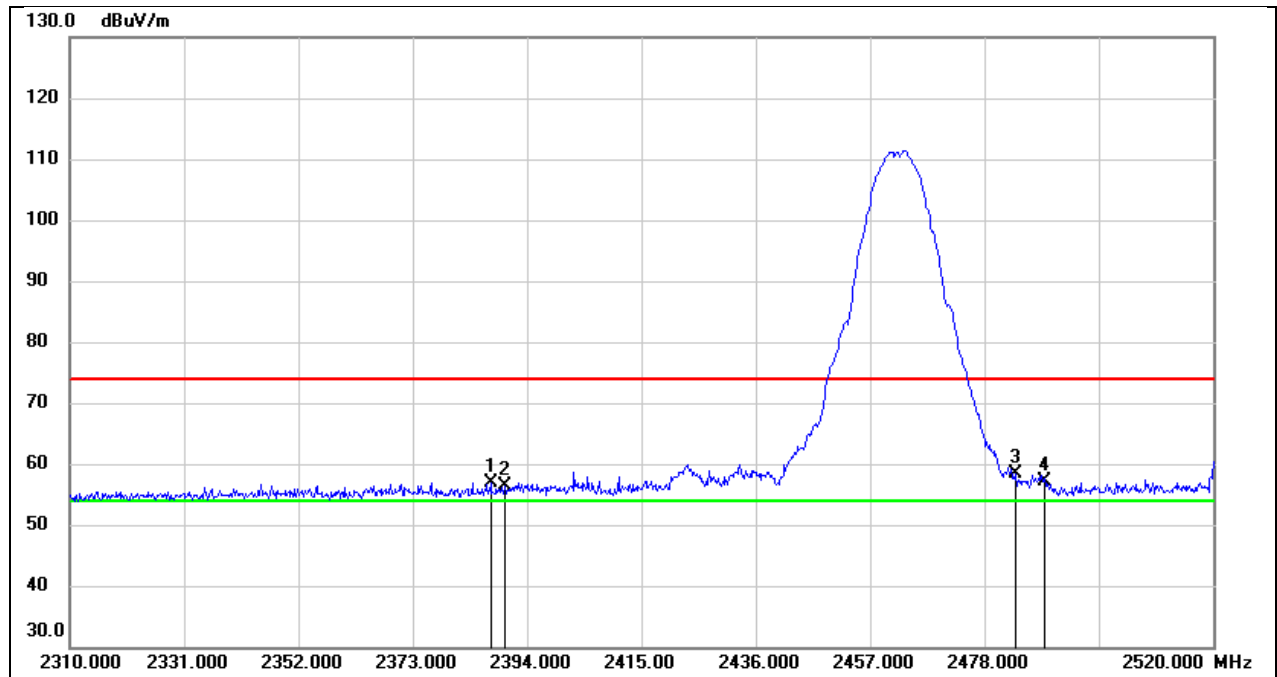
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2387.910	42.45	15.14	57.59	74.00	-16.41	peak
2	2390.000	40.69	15.16	55.85	74.00	-18.15	peak
3	2483.500	43.66	15.56	59.22	74.00	-14.78	peak

Test Mode:	802.11b AV	Frequency(MHz):	2457
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



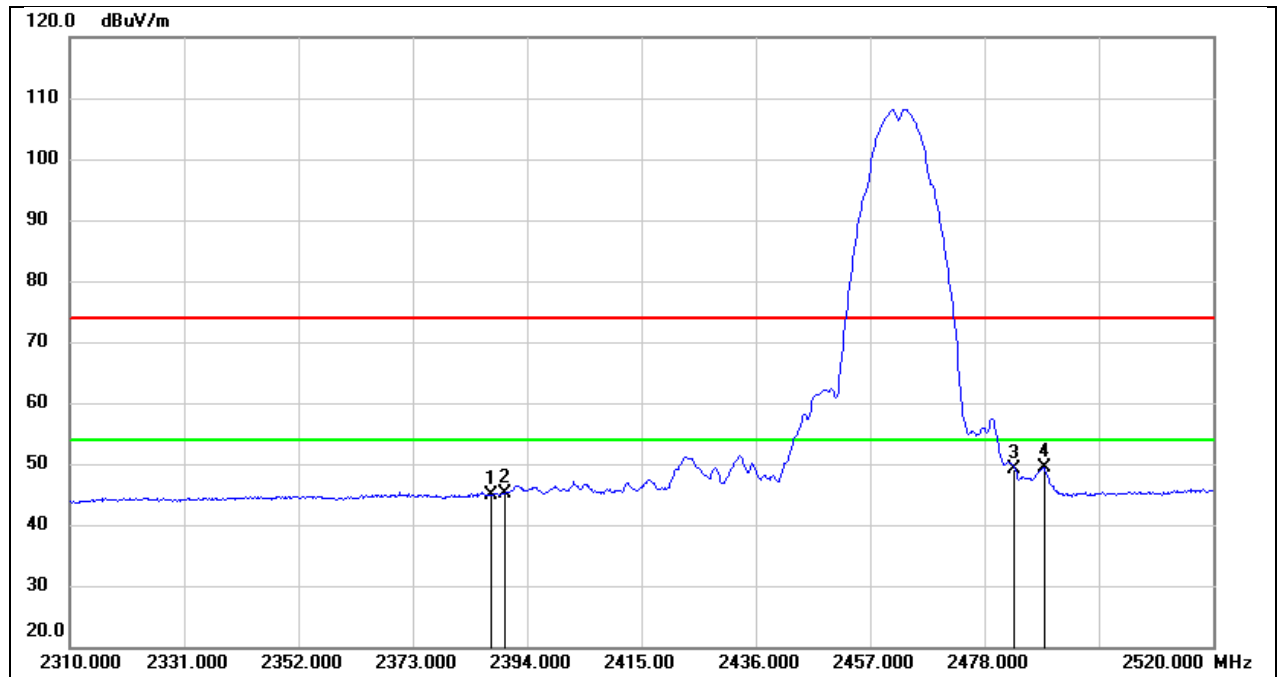
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2387.910	30.62	15.14	45.76	54.00	-8.24	AVG
2	2390.000	30.41	15.16	45.57	54.00	-8.43	AVG
3	2483.500	37.45	15.56	53.01	54.00	-0.99	AVG

Test Mode:	802.11b PK	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



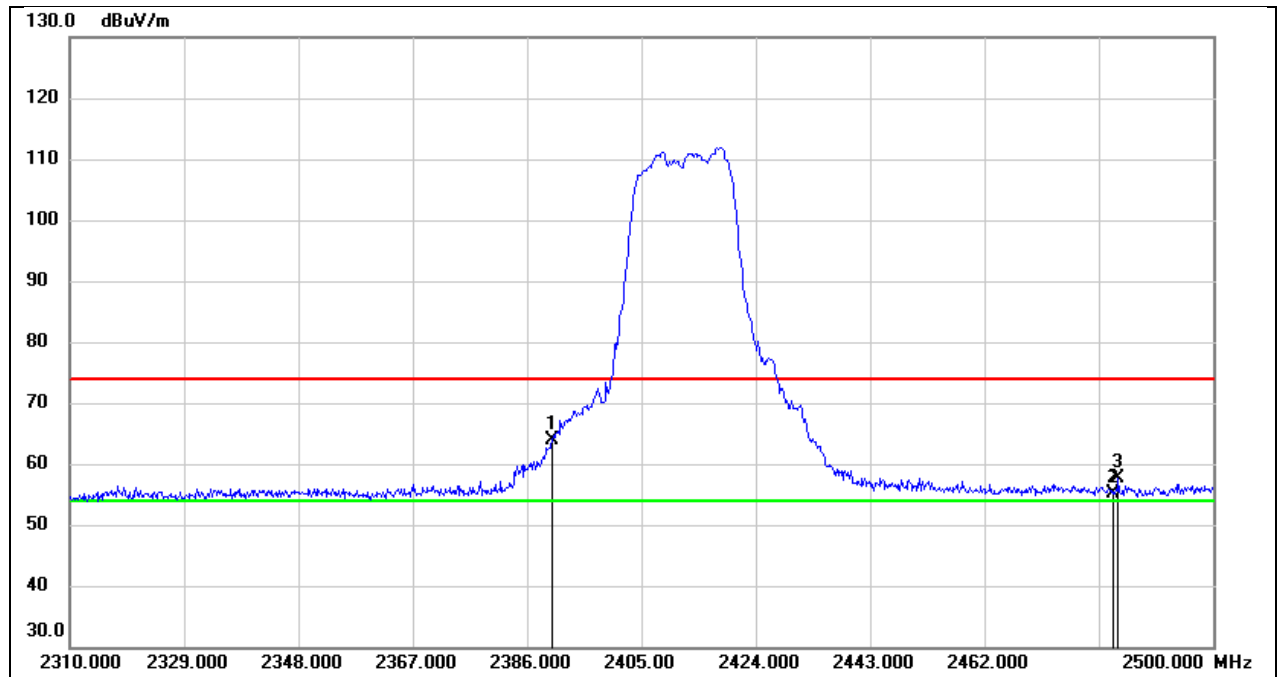
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2387.280	41.77	15.14	56.91	74.00	-17.09	peak
2	2390.000	41.32	15.16	56.48	74.00	-17.52	peak
3	2483.500	42.71	15.56	58.27	74.00	-15.73	peak
4	2488.920	41.46	15.59	57.05	74.00	-16.95	peak

Test Mode:	802.11b AV	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



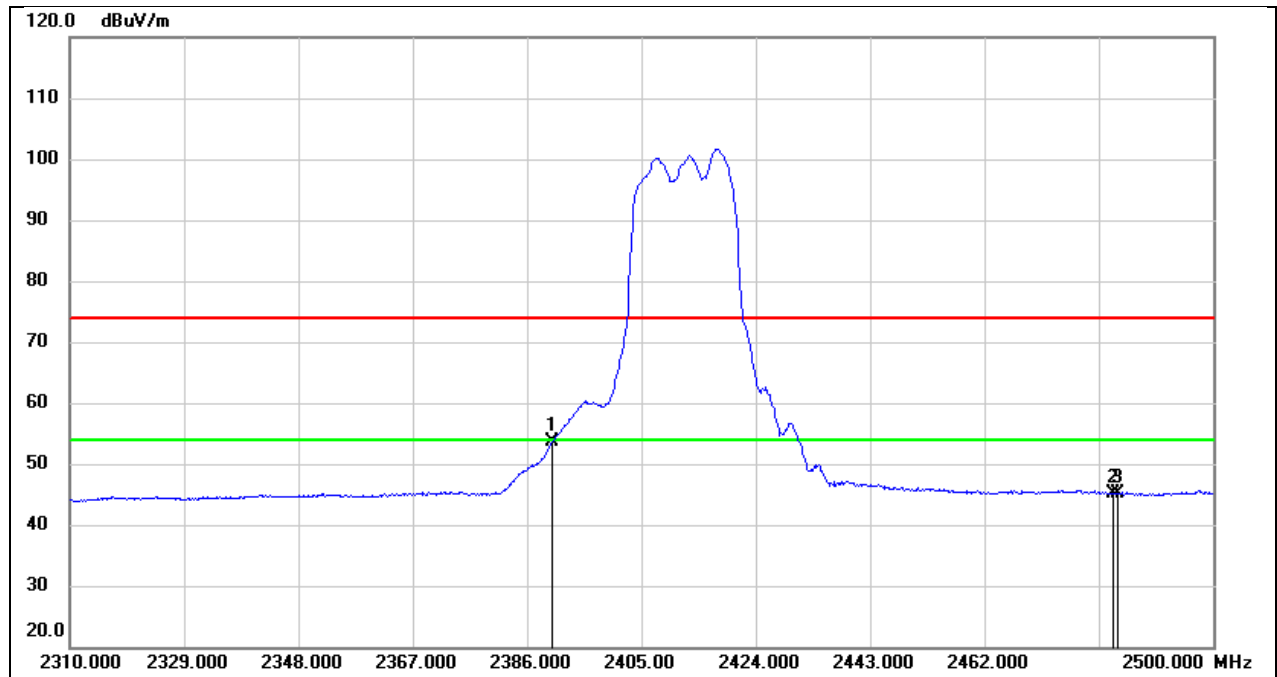
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2387.280	29.79	15.14	44.93	54.00	-9.07	AVG
2	2390.000	30.00	15.16	45.16	54.00	-8.84	AVG
3	2483.500	33.68	15.56	49.24	54.00	-4.76	AVG
4	2488.920	33.71	15.59	49.30	54.00	-4.70	AVG

Test Mode:	802.11g PK	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



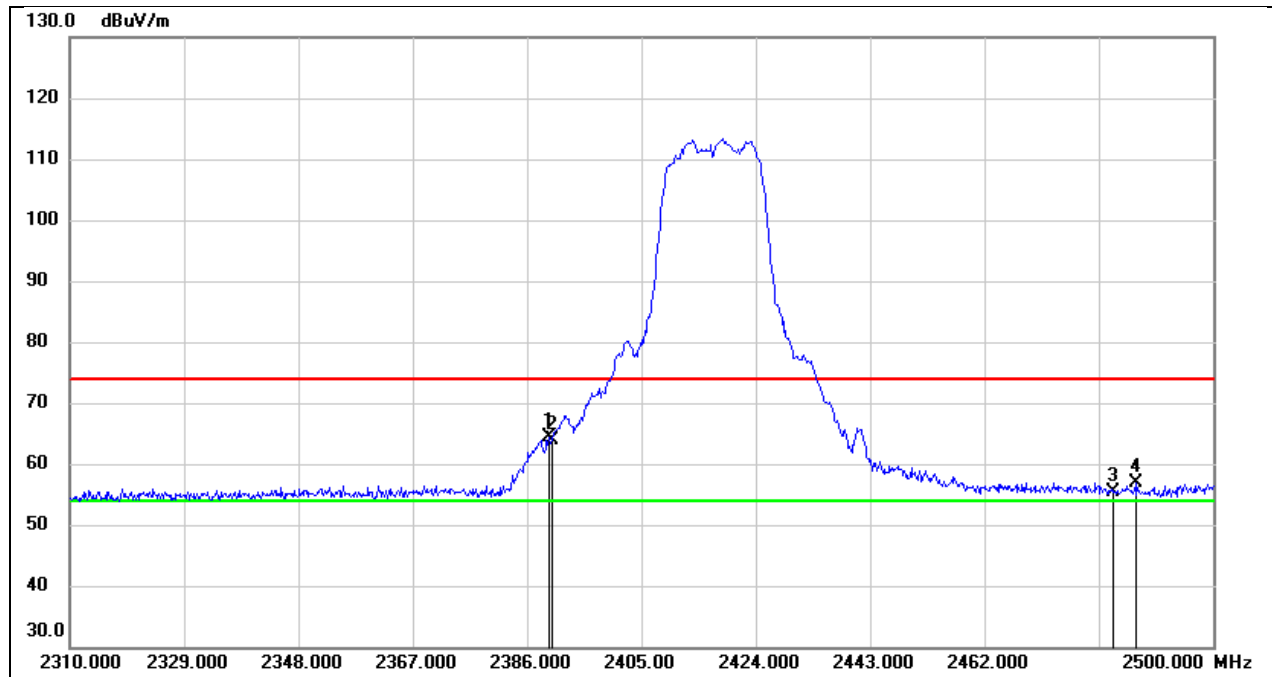
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	48.68	15.16	63.84	74.00	-10.16	peak
2	2483.500	39.47	15.56	55.03	74.00	-18.97	peak
3	2484.230	42.00	15.56	57.56	74.00	-16.44	peak

Test Mode:	802.11g AV	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



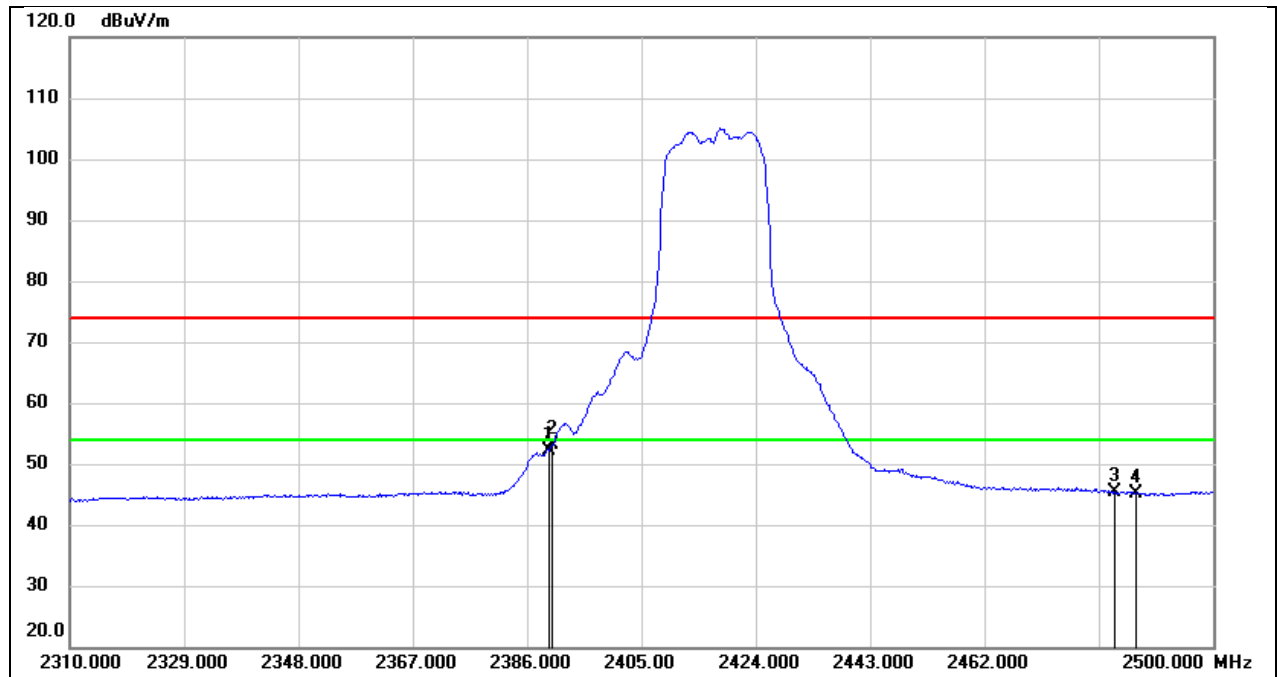
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	38.45	15.16	53.61	54.00	-0.39	AVG
2	2483.500	29.48	15.56	45.04	54.00	-8.96	AVG
3	2484.230	29.56	15.56	45.12	54.00	-8.88	AVG

Test Mode:	802.11g PK	Frequency(MHz):	2417
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



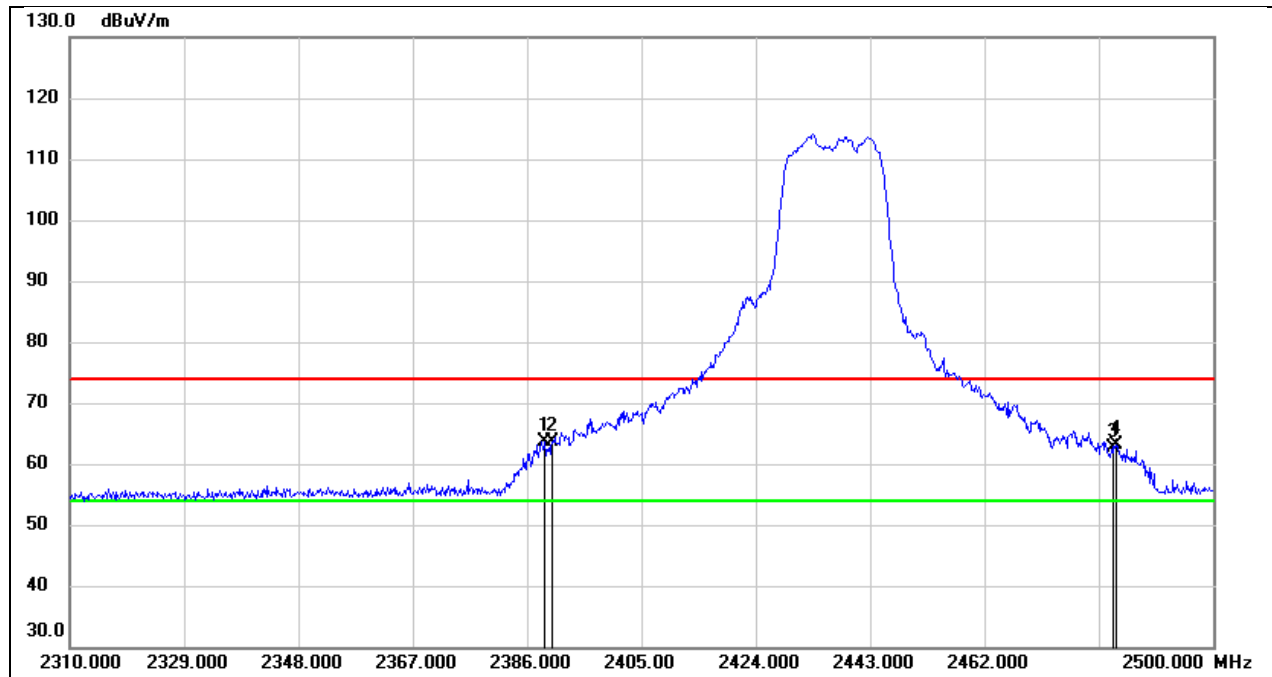
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.610	49.22	15.15	64.37	74.00	-9.63	peak
2	2390.000	48.76	15.16	63.92	74.00	-10.08	peak
3	2483.500	39.70	15.56	55.26	74.00	-18.74	peak
4	2487.080	41.37	15.57	56.94	74.00	-17.06	peak

Test Mode:	802.11g AV	Frequency(MHz):	2417
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



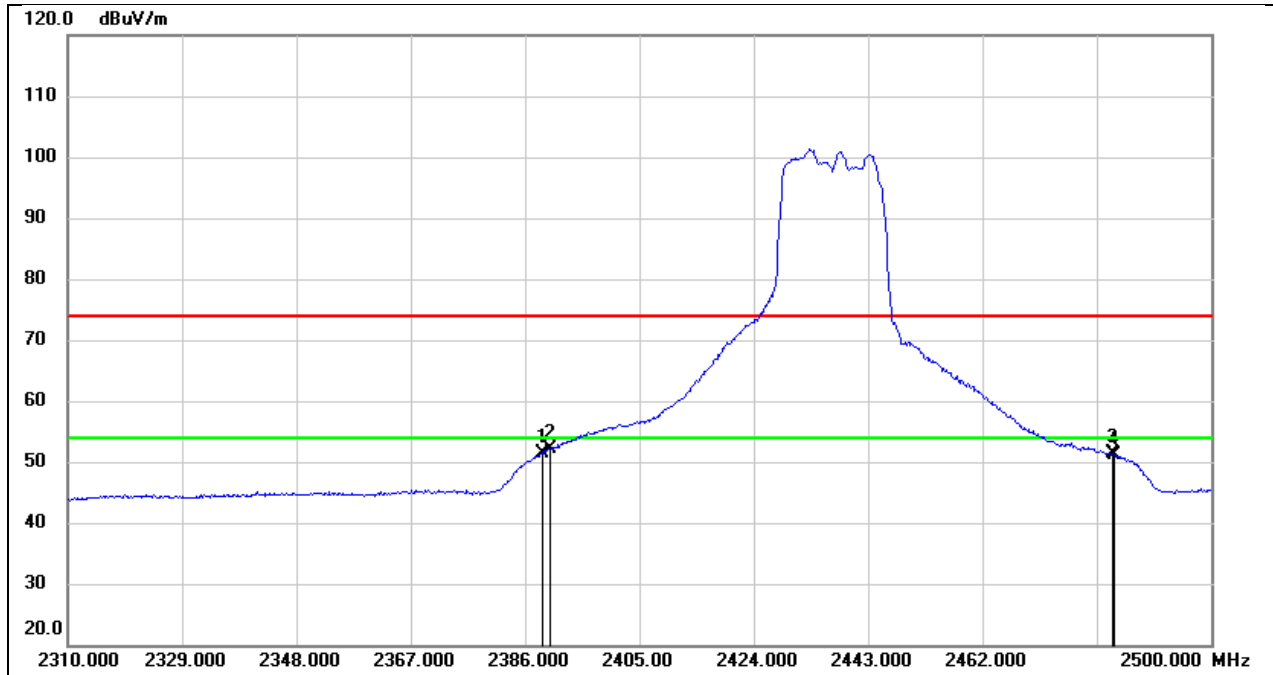
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.610	37.07	15.15	52.22	54.00	-1.78	AVG
2	2390.000	38.03	15.16	53.19	54.00	-0.81	AVG
3	2483.500	29.81	15.56	45.37	54.00	-8.63	AVG
4	2487.080	29.54	15.57	45.11	54.00	-8.89	AVG

Test Mode:	802.11g PK	Frequency(MHz):	2437
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



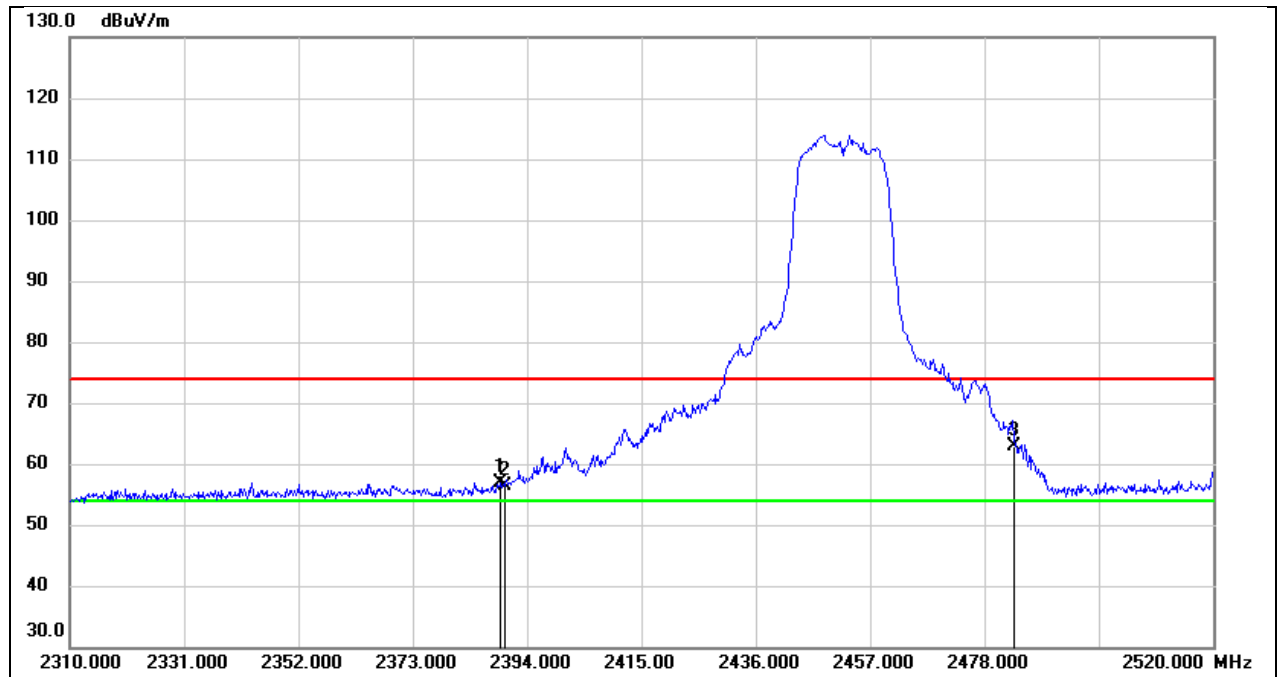
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2388.850	48.54	15.14	63.68	74.00	-10.32	peak
2	2390.000	48.50	15.16	63.66	74.00	-10.34	peak
3	2483.500	47.17	15.56	62.73	74.00	-11.27	peak
4	2483.850	47.66	15.56	63.22	74.00	-10.78	peak

Test Mode:	802.11g AV	Frequency(MHz):	2437
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



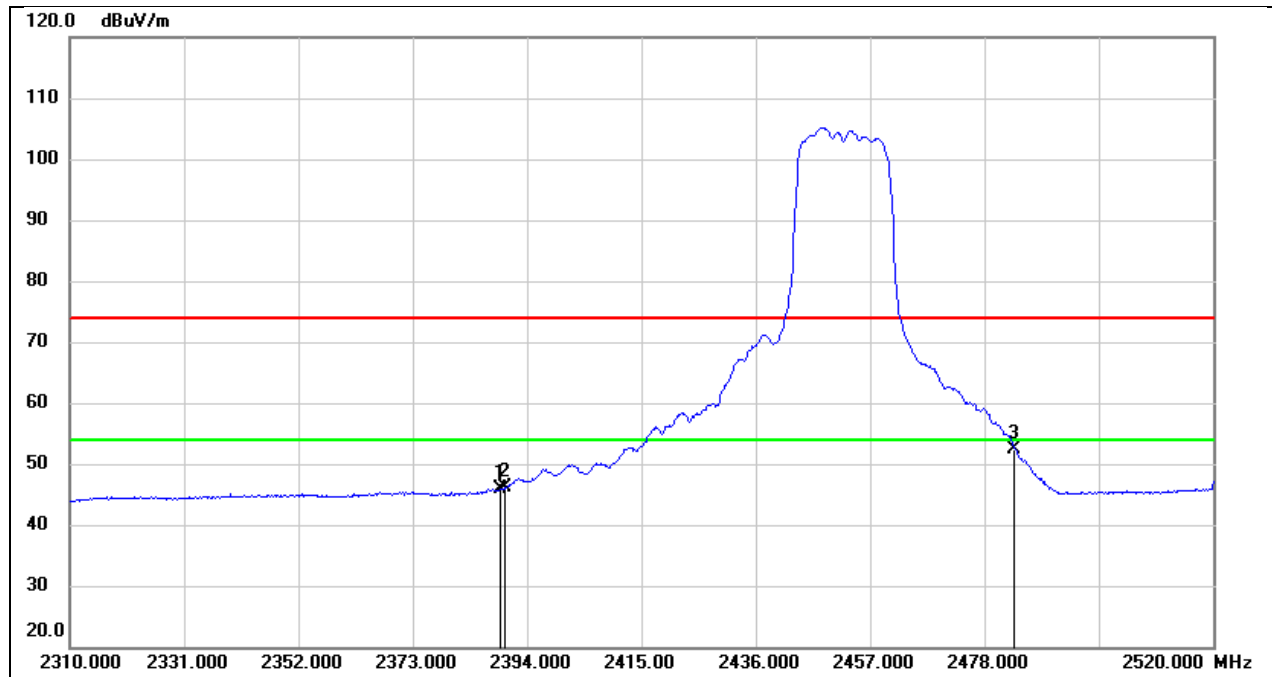
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2388.850	36.20	15.14	51.34	54.00	-2.66	AVG
2	2390.000	37.01	15.16	52.17	54.00	-1.83	AVG
3	2483.500	35.77	15.56	51.33	54.00	-2.67	AVG
4	2483.850	35.60	15.56	51.16	54.00	-2.84	AVG

Test Mode:	802.11g PK	Frequency(MHz):	2452
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



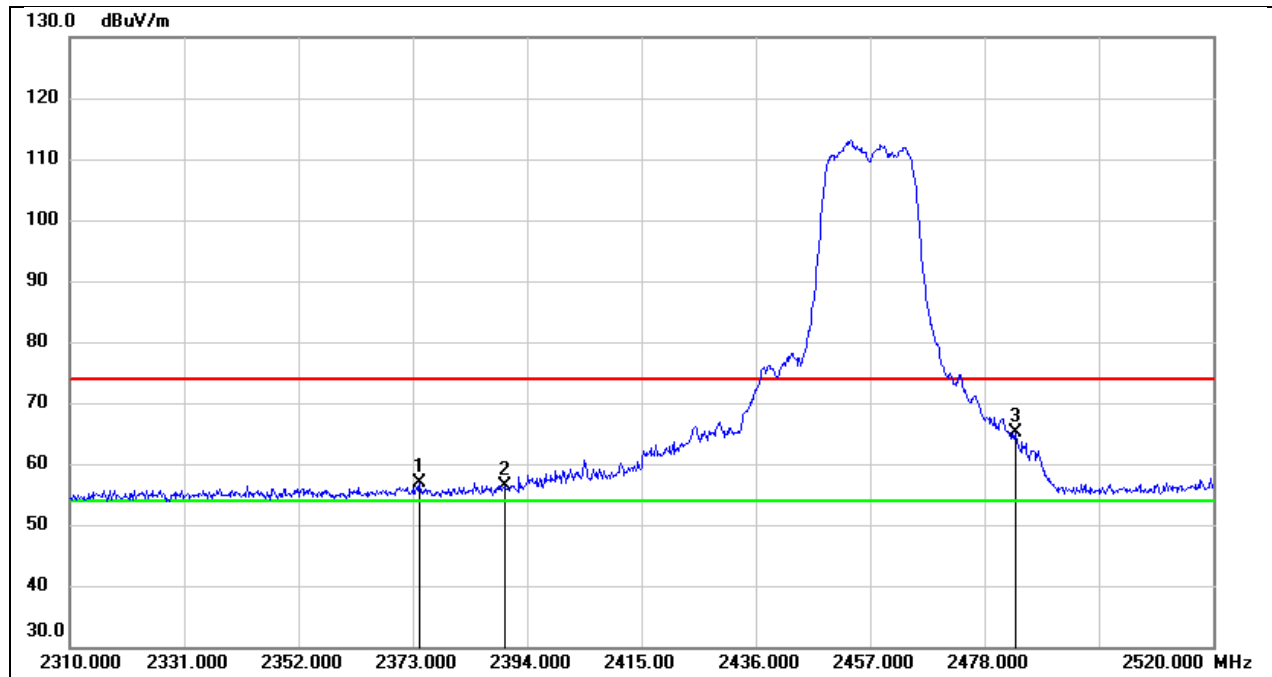
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.170	41.85	15.15	57.00	74.00	-17.00	peak
2	2390.000	41.34	15.16	56.50	74.00	-17.50	peak
3	2483.500	47.22	15.56	62.78	74.00	-11.22	peak

Test Mode:	802.11g AV	Frequency(MHz):	2452
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



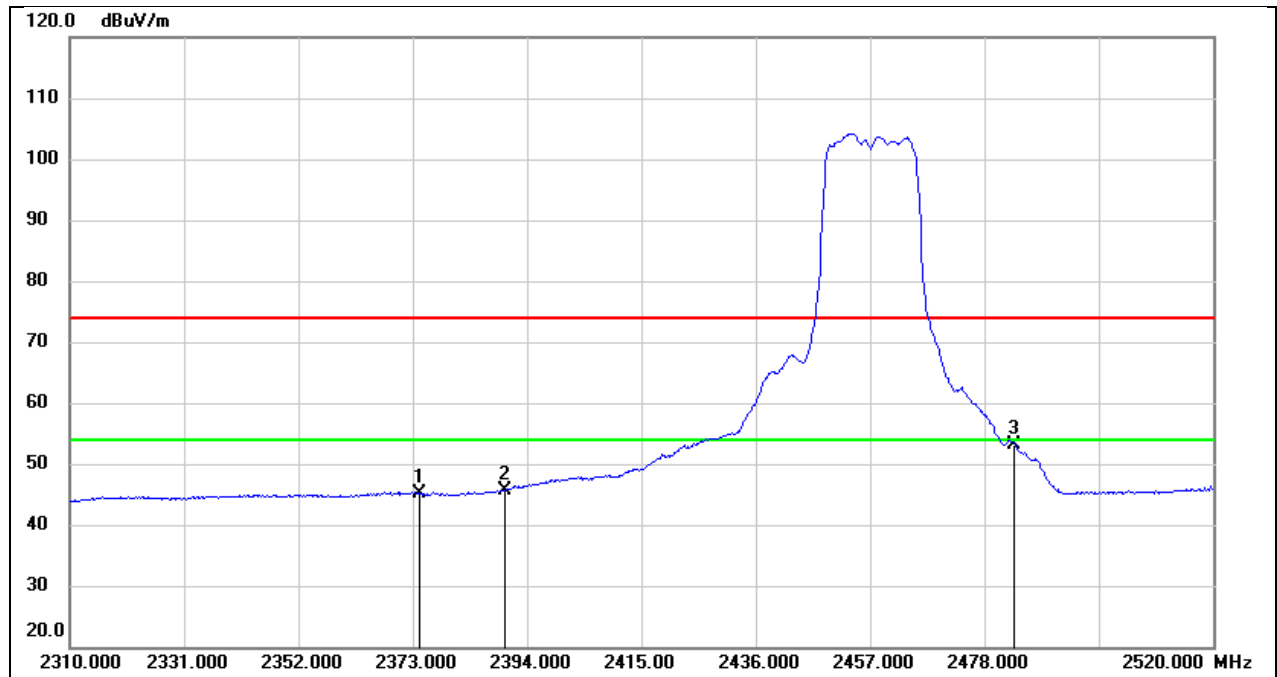
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.170	30.65	15.15	45.80	54.00	-8.20	AVG
2	2390.000	30.88	15.16	46.04	54.00	-7.96	AVG
3	2483.500	36.88	15.56	52.44	54.00	-1.56	AVG

Test Mode:	802.11g PK	Frequency(MHz):	2457
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



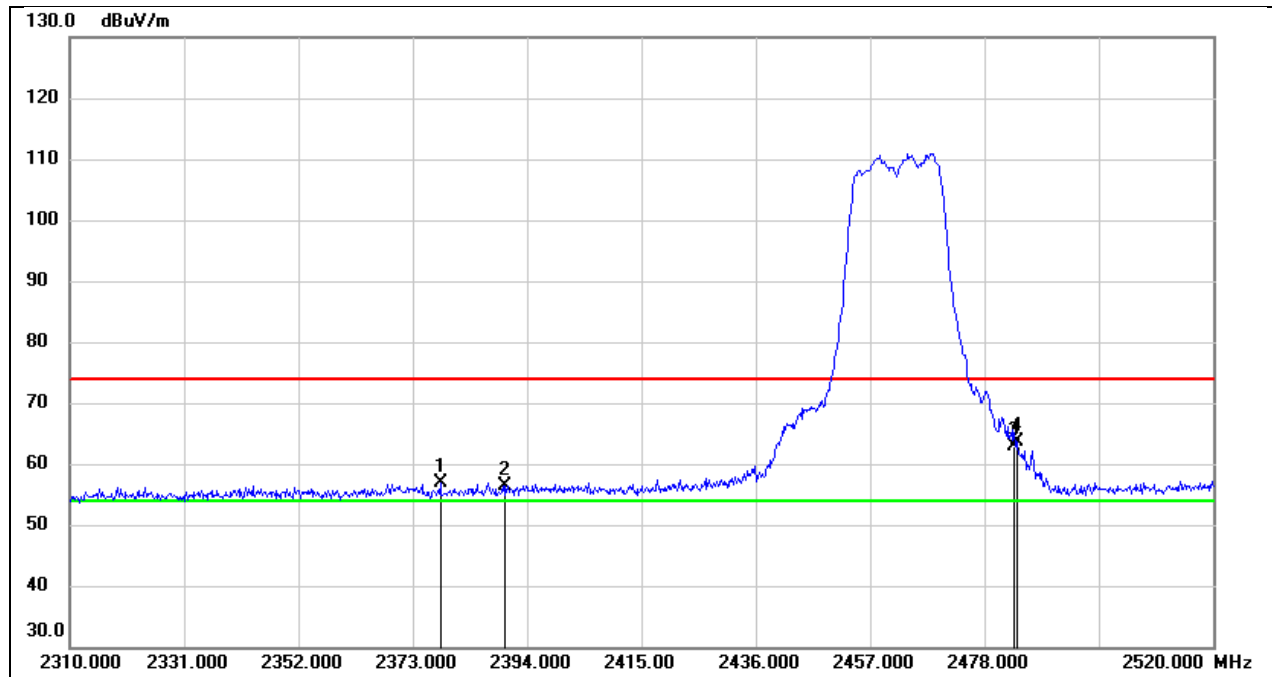
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2374.260	41.78	15.10	56.88	74.00	-17.12	peak
2	2390.000	41.31	15.16	56.47	74.00	-17.53	peak
3	2483.500	49.54	15.56	65.10	74.00	-8.90	peak

Test Mode:	802.11g AV	Frequency(MHz):	2457
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



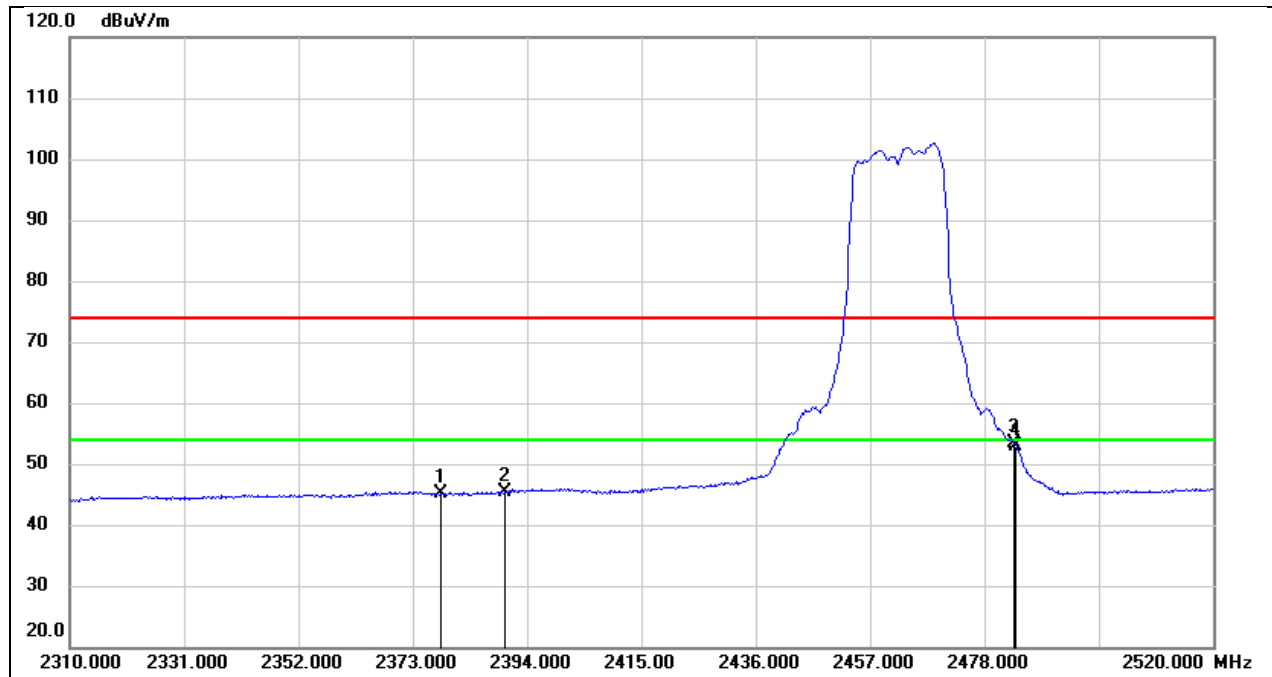
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2374.260	30.15	15.10	45.25	54.00	-8.75	AVG
2	2390.000	30.52	15.16	45.68	54.00	-8.32	AVG
3	2483.500	37.46	15.56	53.02	54.00	-0.98	AVG

Test Mode:	802.11g PK	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



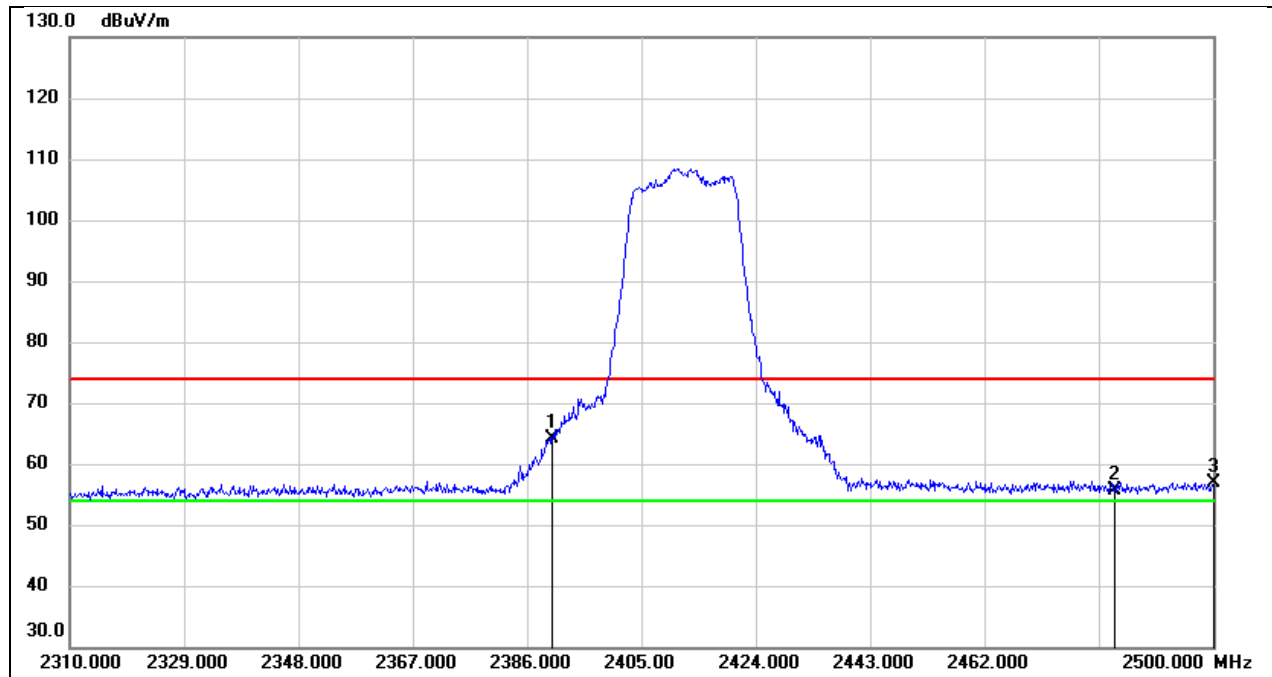
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2378.040	41.81	15.11	56.92	74.00	-17.08	peak
2	2390.000	41.12	15.16	56.28	74.00	-17.72	peak
3	2483.500	47.36	15.56	62.92	74.00	-11.08	peak
4	2483.880	48.08	15.56	63.64	74.00	-10.36	peak

Test Mode:	802.11g AV	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



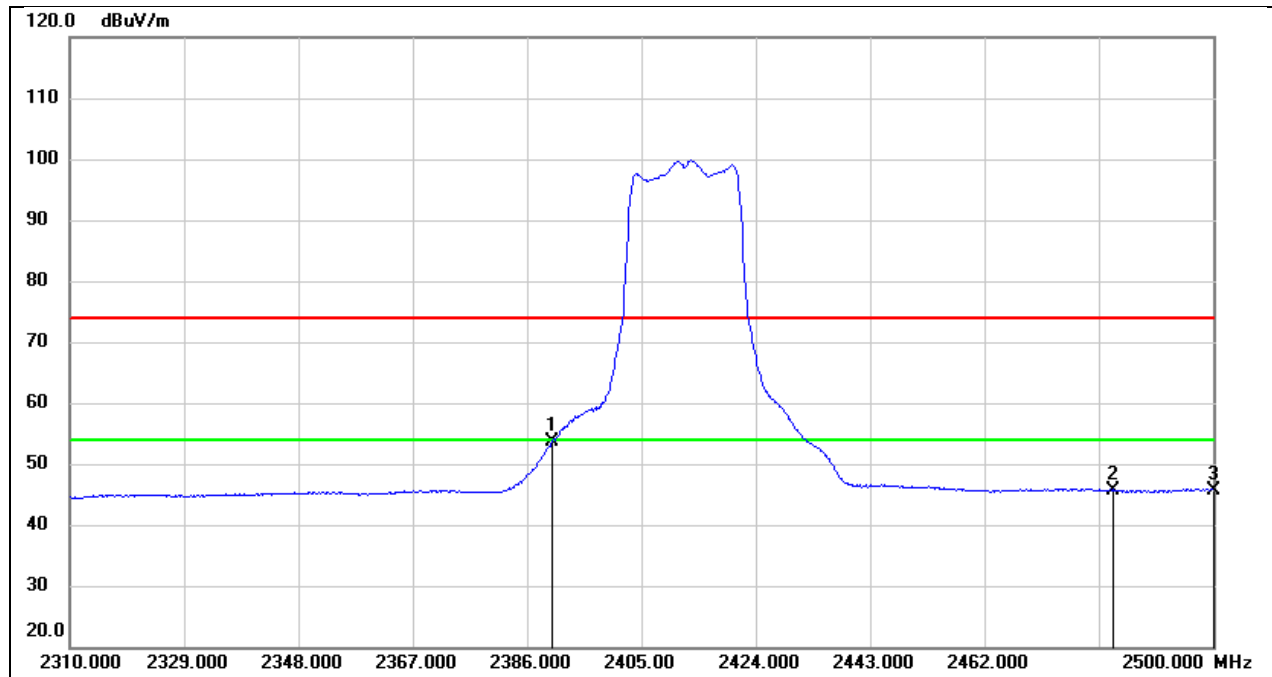
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2378.040	30.04	15.11	45.15	54.00	-8.85	AVG
2	2390.000	30.13	15.16	45.29	54.00	-8.71	AVG
3	2483.500	37.87	15.56	53.43	54.00	-0.57	AVG
4	2483.880	37.40	15.56	52.96	54.00	-1.04	AVG

Test Mode:	802.11n HT20 PK	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



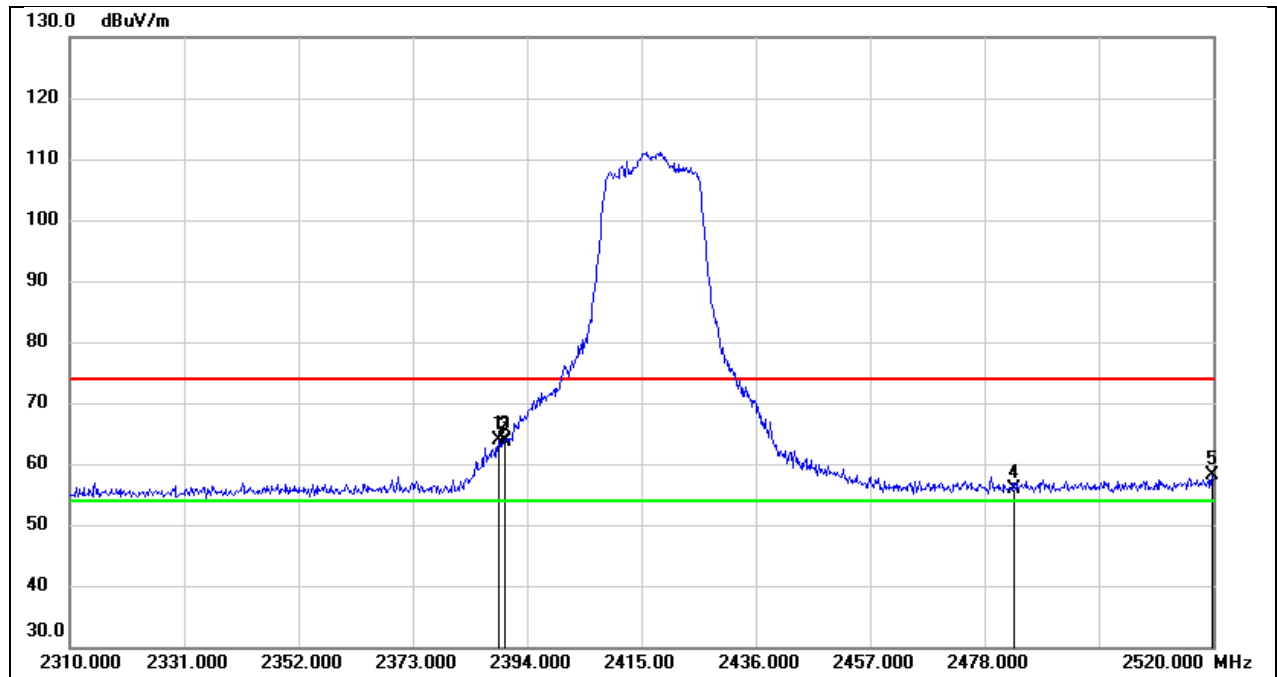
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	48.92	15.16	64.08	74.00	-9.92	peak
2	2483.500	40.07	15.56	55.63	74.00	-18.37	peak
3	2500.000	41.22	15.64	56.86	74.00	-17.14	peak

Test Mode:	802.11n HT20 AV	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



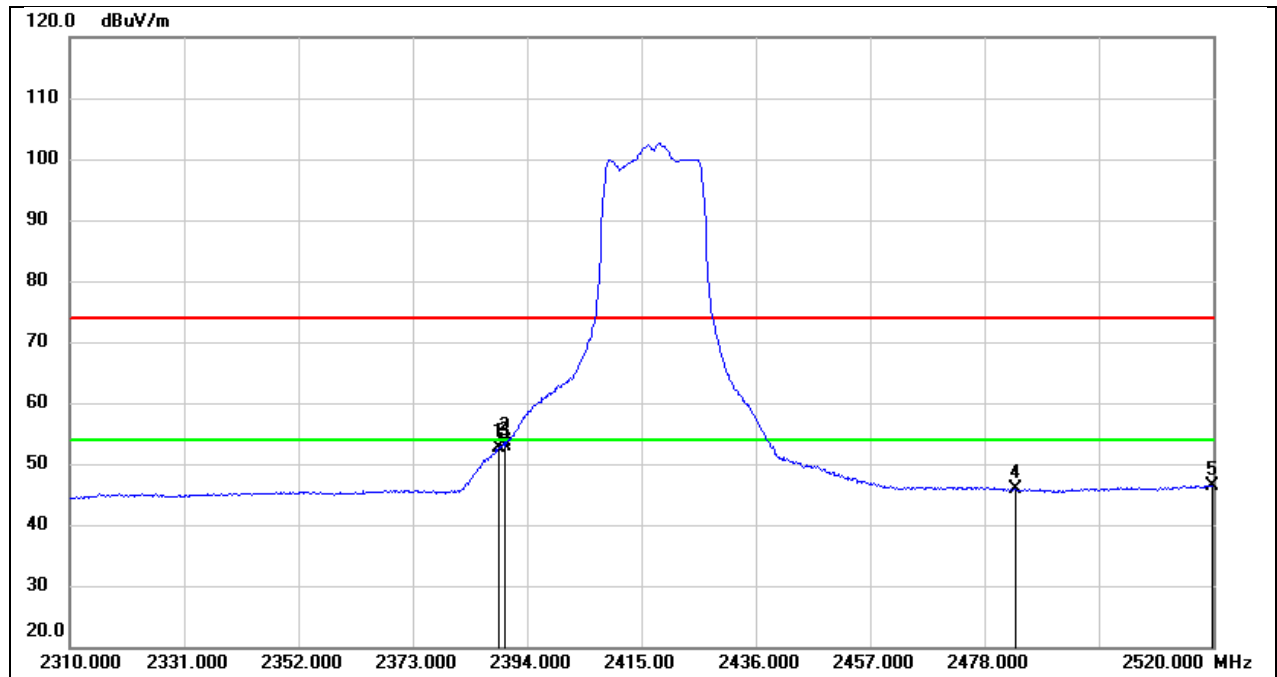
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	38.43	15.16	53.59	54.00	-0.41	AVG
2	2483.500	30.08	15.56	45.64	54.00	-8.36	AVG
3	2500.000	30.08	15.64	45.72	54.00	-8.28	AVG

Test Mode:	802.11n HT20 PK	Frequency(MHz):	2417
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



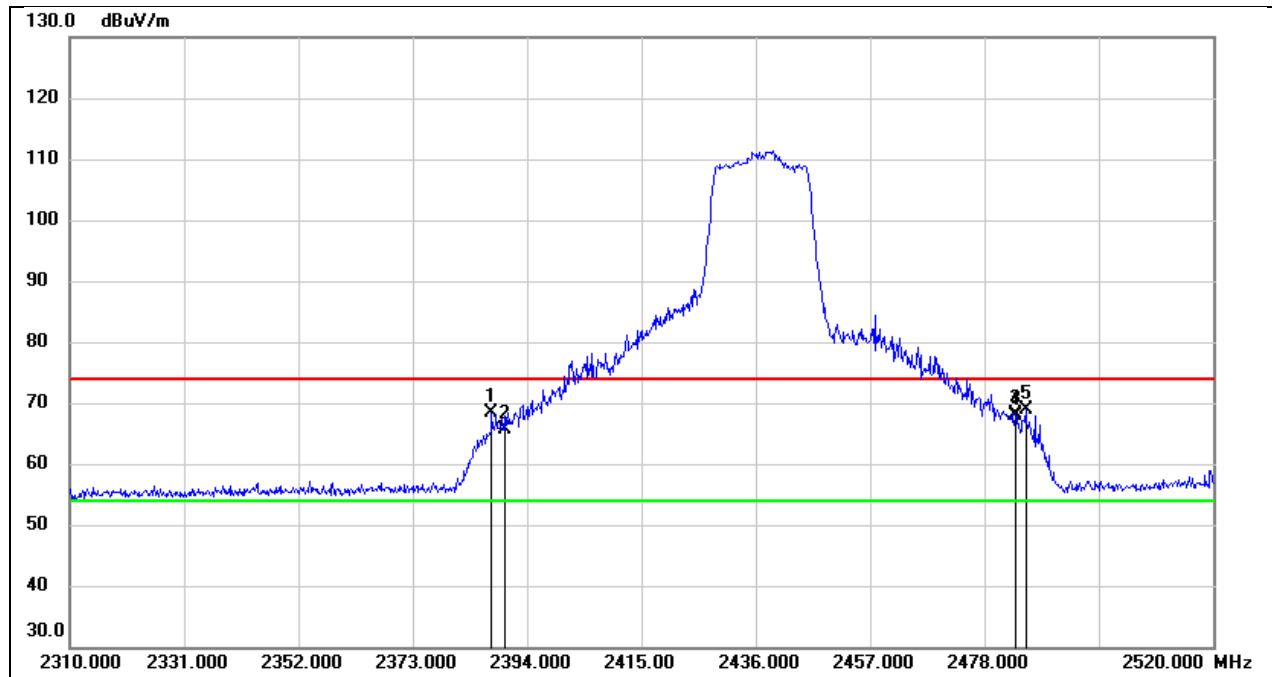
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2388.750	48.85	15.14	63.99	74.00	-10.01	peak
2	2389.800	48.43	15.16	63.59	74.00	-10.41	peak
3	2390.000	48.80	15.16	63.96	74.00	-10.04	peak
4	2483.500	40.38	15.56	55.94	74.00	-18.06	peak
5	2519.790	42.44	15.71	58.15	74.00	-15.85	peak

Test Mode:	802.11n HT20 AV	Frequency(MHz):	2417
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



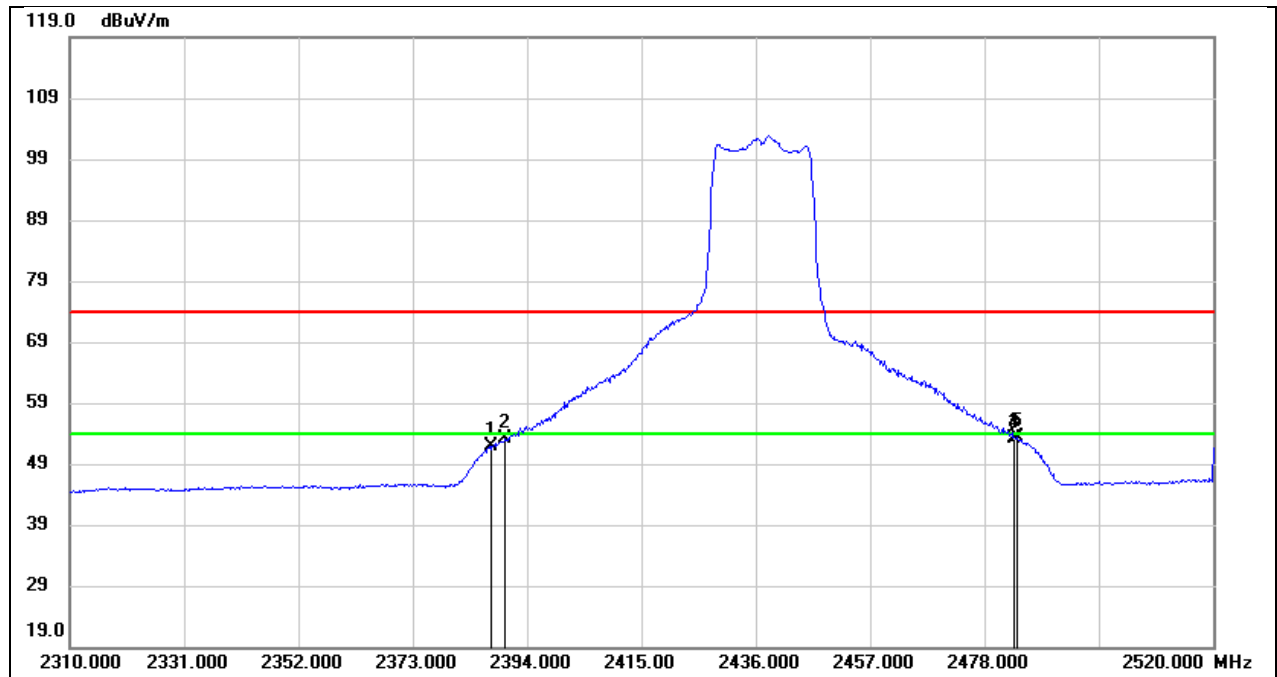
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2388.750	37.38	15.14	52.52	54.00	-1.48	AVG
2	2389.800	38.35	15.16	53.51	54.00	-0.49	AVG
3	2390.000	37.78	15.16	52.94	54.00	-1.06	AVG
4	2483.500	30.33	15.56	45.89	54.00	-8.11	AVG
5	2519.790	30.59	15.71	46.30	54.00	-7.70	AVG

Test Mode:	802.11n HT20 PK	Frequency(MHz):	2437
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



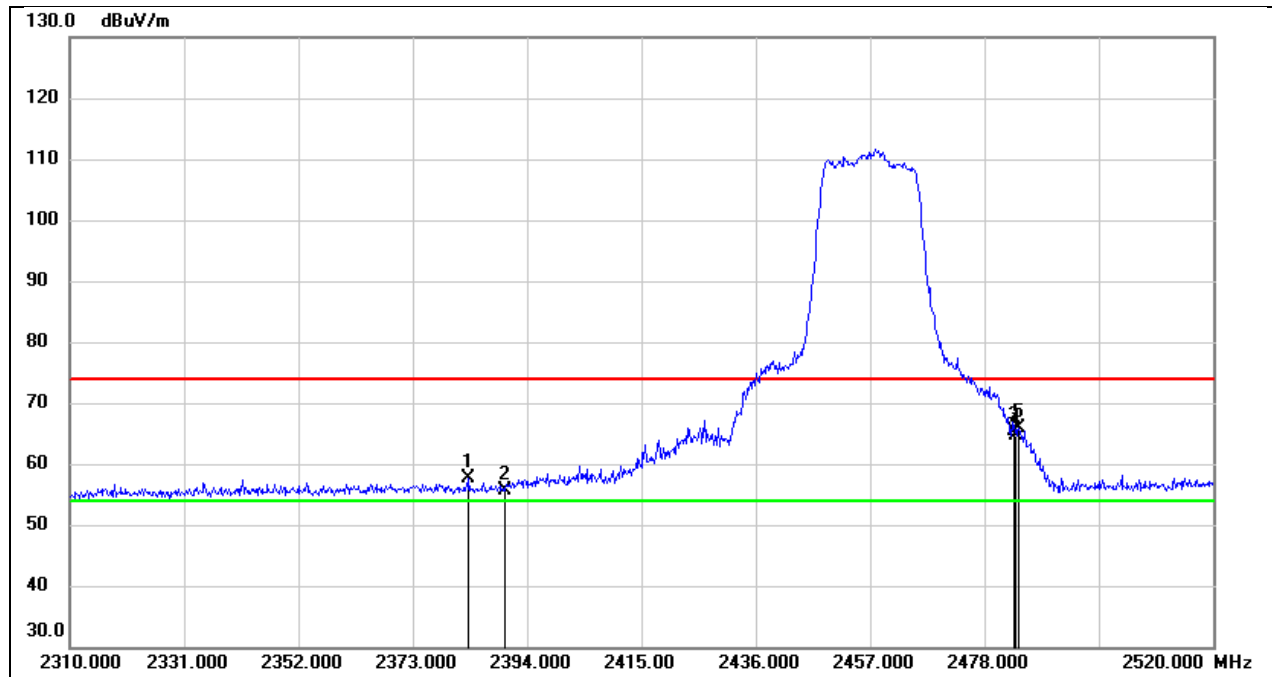
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2387.490	53.22	15.14	68.36	74.00	-5.64	peak
2	2390.000	50.58	15.16	65.74	74.00	-8.26	peak
3	2483.500	52.54	15.56	68.10	74.00	-5.90	peak
4	2483.880	52.34	15.56	67.90	74.00	-6.10	peak
5	2485.560	53.23	15.57	68.80	74.00	-5.20	peak

Test Mode:	802.11n HT20 AV	Frequency(MHz):	2437
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



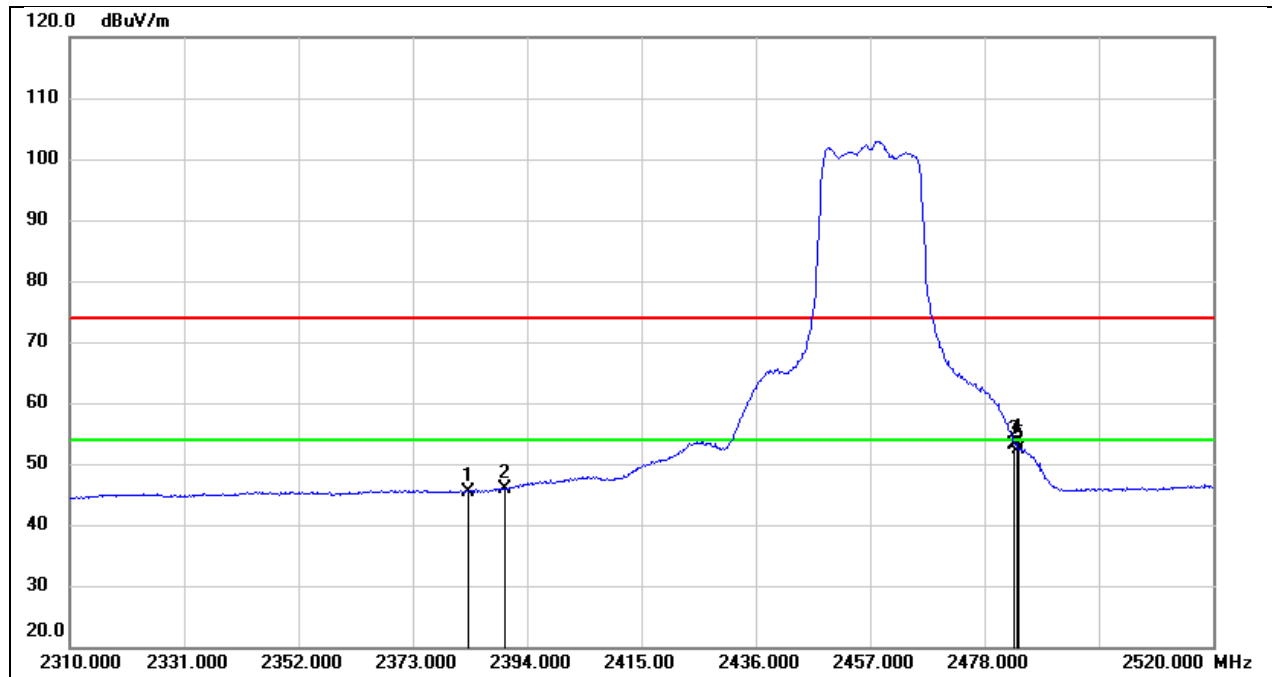
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2387.490	36.74	15.14	51.88	54.00	-2.12	AVG
2	2390.000	37.89	15.16	53.05	54.00	-0.95	AVG
3	2483.500	37.65	15.56	53.21	54.00	-0.79	AVG
4	2483.560	37.65	15.56	53.21	54.00	-0.79	AVG
5	2483.880	37.88	15.56	53.44	54.00	-0.56	AVG

Test Mode:	802.11n HT20 PK	Frequency(MHz):	2457
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



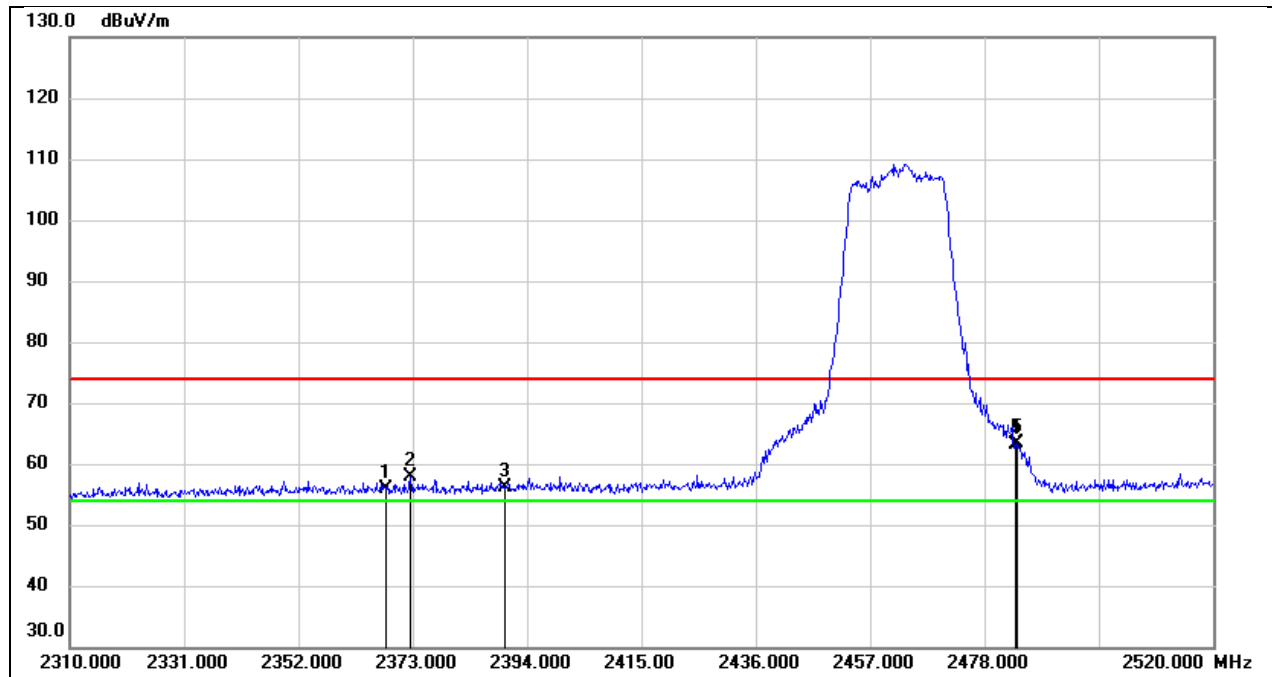
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2383.290	42.40	15.13	57.53	74.00	-16.47	peak
2	2390.000	40.40	15.16	55.56	74.00	-18.44	peak
3	2483.500	49.78	15.56	65.34	74.00	-8.66	peak
4	2483.880	49.05	15.56	64.61	74.00	-9.39	peak
5	2484.300	50.27	15.56	65.83	74.00	-8.17	peak

Test Mode:	802.11n HT20 AV	Frequency(MHz):	2457
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



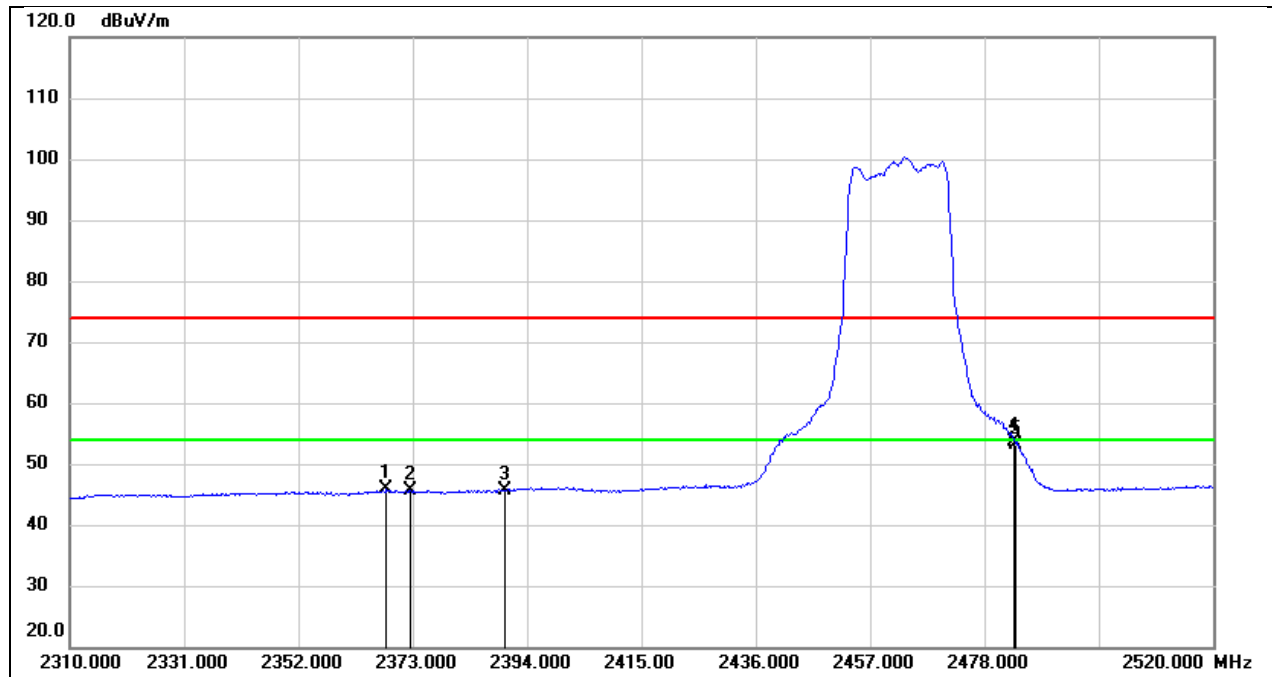
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2383.290	30.31	15.13	45.44	54.00	-8.56	AVG
2	2390.000	30.80	15.16	45.96	54.00	-8.04	AVG
3	2483.500	37.59	15.56	53.15	54.00	-0.85	AVG
4	2483.880	37.89	15.56	53.45	54.00	-0.55	AVG
5	2484.300	36.87	15.56	52.43	54.00	-1.57	AVG

Test Mode:	802.11n HT20 PK	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



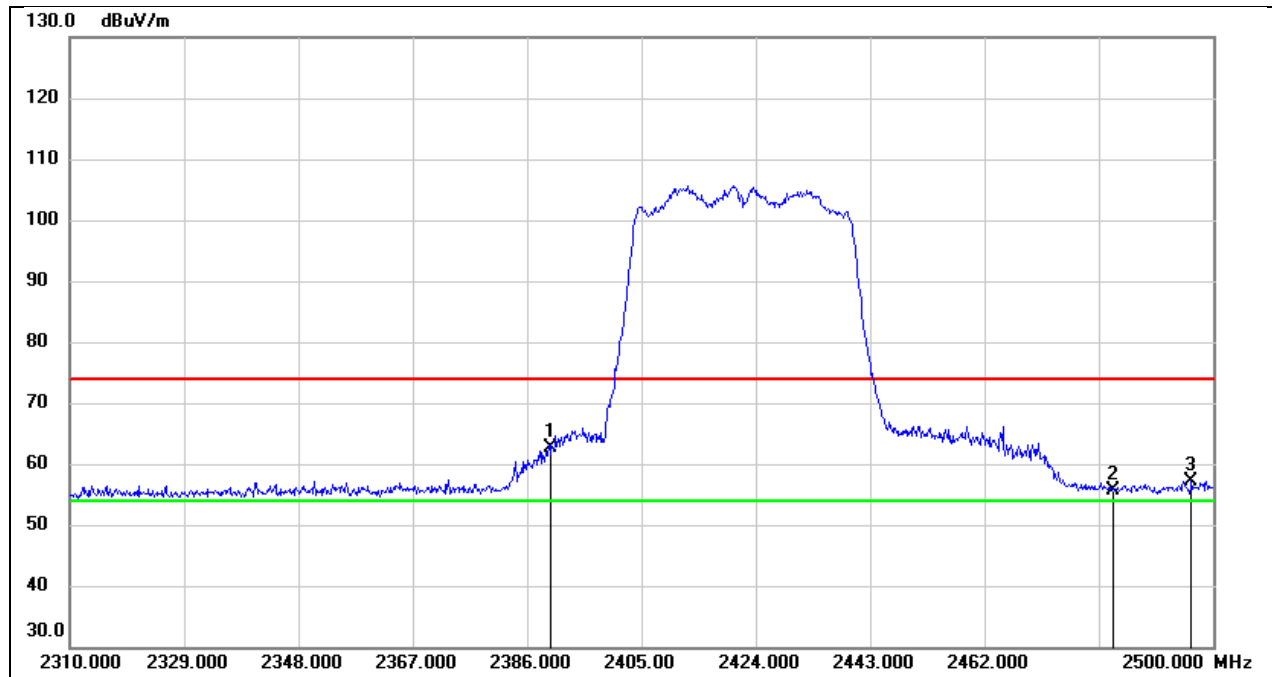
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2368.170	40.85	15.07	55.92	74.00	-18.08	peak
2	2372.580	42.77	15.08	57.85	74.00	-16.15	peak
3	2390.000	40.90	15.16	56.06	74.00	-17.94	peak
4	2483.500	47.65	15.56	63.21	74.00	-10.79	peak
5	2483.880	47.90	15.56	63.46	74.00	-10.54	peak

Test Mode:	802.11n HT20 AV	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



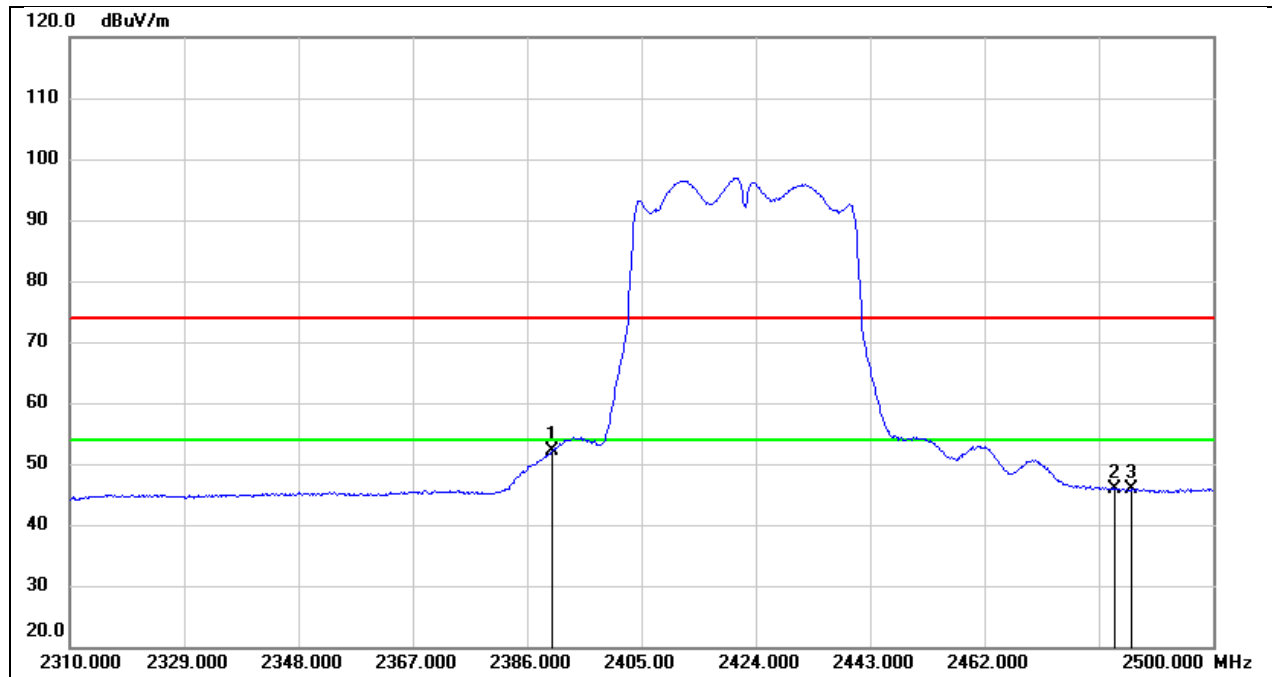
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2368.170	30.70	15.07	45.77	54.00	-8.23	AVG
2	2372.580	30.52	15.08	45.60	54.00	-8.40	AVG
3	2390.000	30.50	15.16	45.66	54.00	-8.34	AVG
4	2483.500	38.06	15.56	53.62	54.00	-0.38	AVG
5	2483.880	37.62	15.56	53.18	54.00	-0.82	AVG

Test Mode:	802.11n HT40 PK	Frequency(MHz):	2422
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



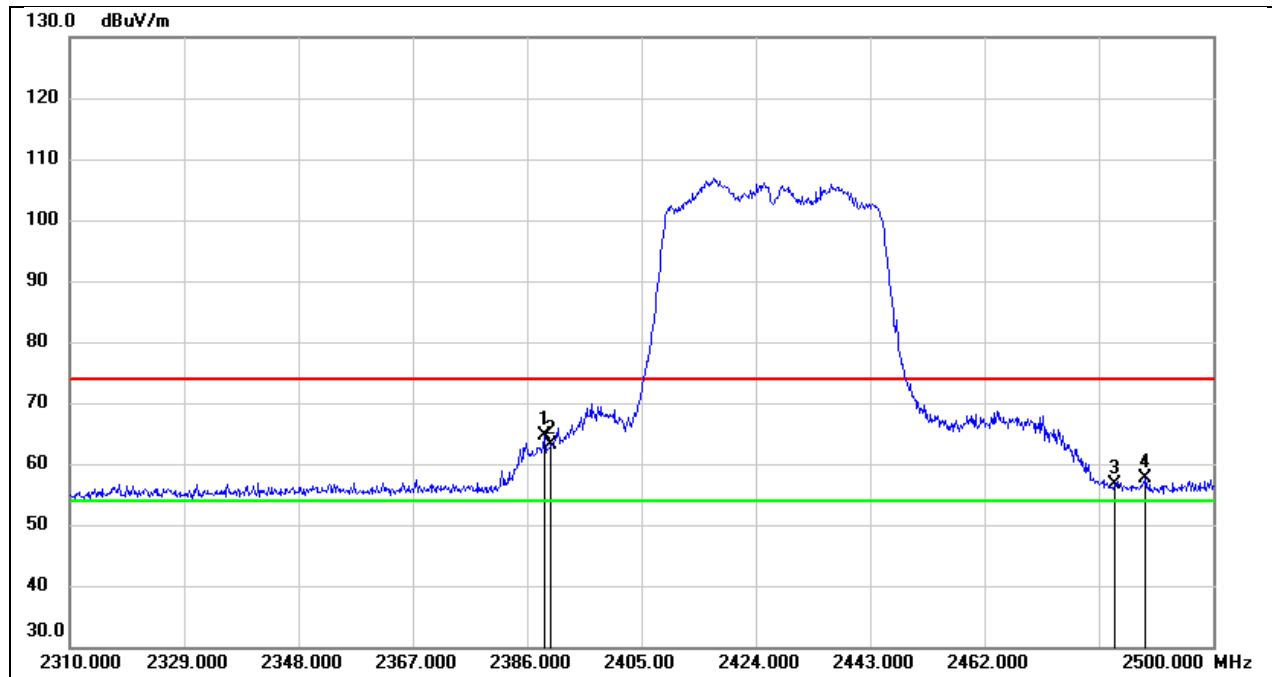
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	47.55	15.16	62.71	74.00	-11.29	peak
2	2483.500	40.08	15.56	55.64	74.00	-18.36	peak
3	2496.390	41.63	15.62	57.25	74.00	-16.75	peak

Test Mode:	802.11n HT40 AV	Frequency(MHz):	2422
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



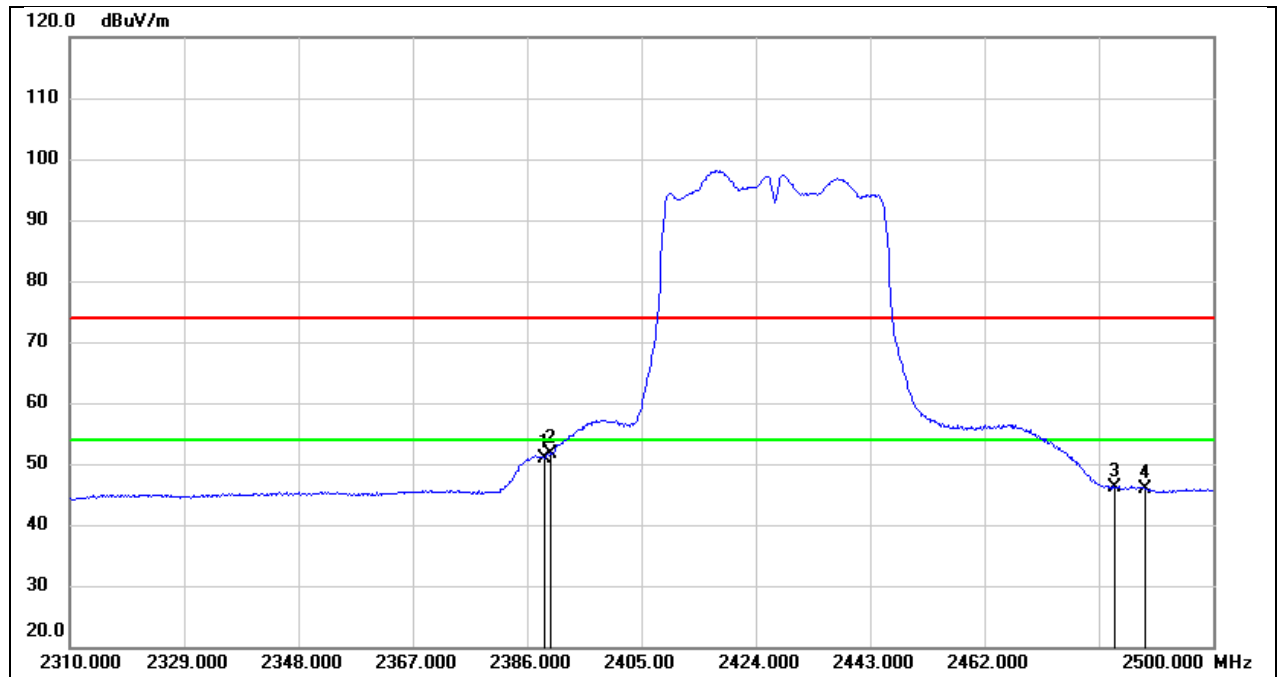
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	37.02	15.16	52.18	54.00	-1.82	AVG
2	2483.500	30.33	15.56	45.89	54.00	-8.11	AVG
3	2486.390	30.35	15.57	45.92	54.00	-8.08	AVG

Test Mode:	802.11n HT40 PK	Frequency(MHz):	2427
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



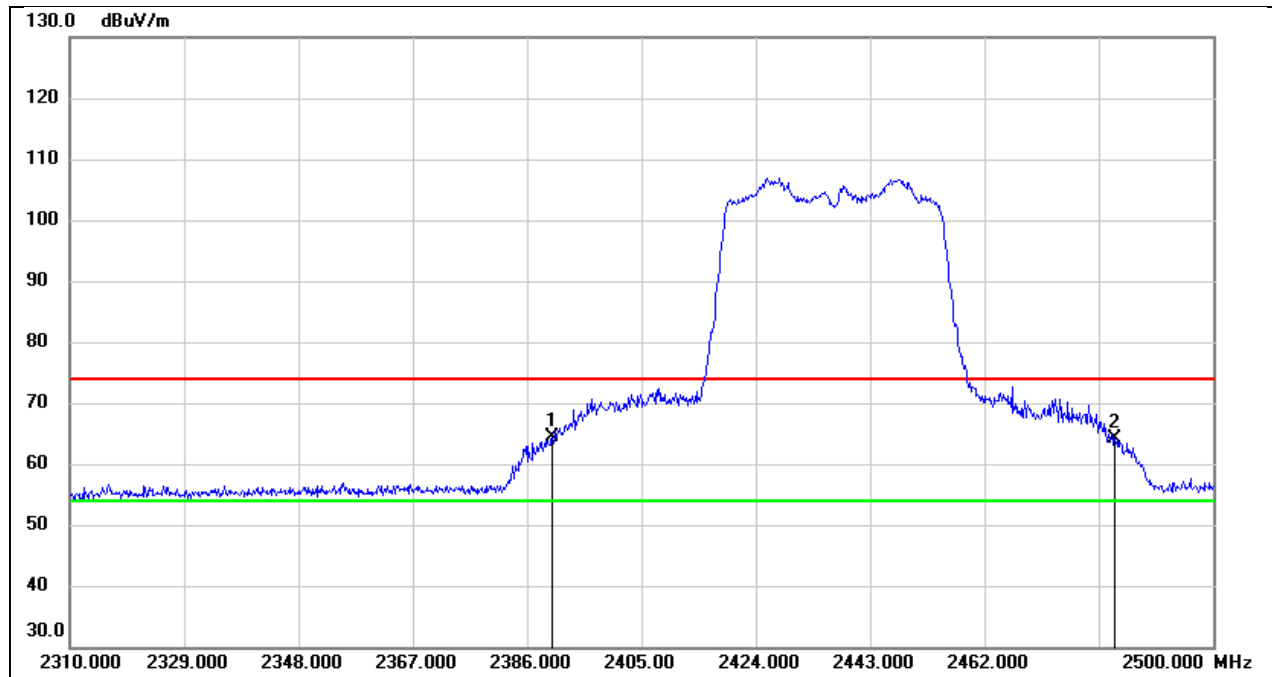
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2388.850	49.44	15.14	64.58	74.00	-9.42	peak
2	2390.000	47.99	15.16	63.15	74.00	-10.85	peak
3	2483.500	41.06	15.56	56.62	74.00	-17.38	peak
4	2488.790	41.96	15.59	57.55	74.00	-16.45	peak

Test Mode:	802.11n HT40 AV	Frequency(MHz):	2427
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



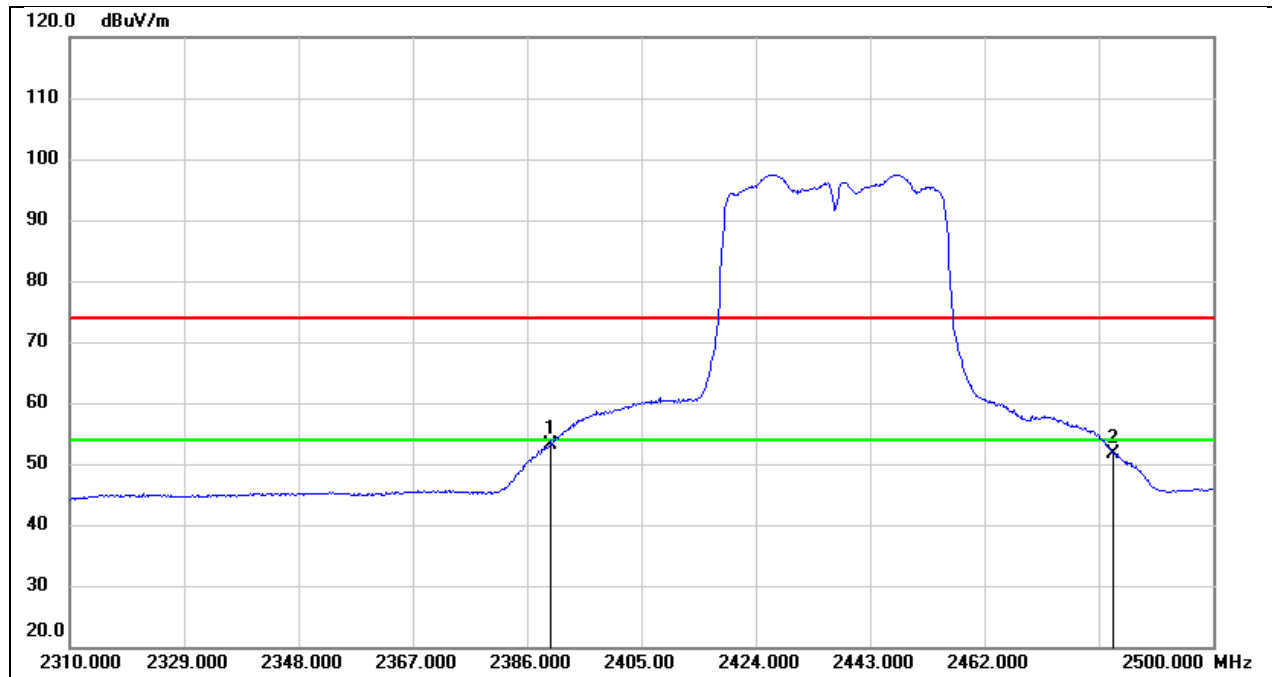
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2388.850	35.77	15.14	50.91	54.00	-3.09	AVG
2	2390.000	36.56	15.16	51.72	54.00	-2.28	AVG
3	2483.500	30.61	15.56	46.17	54.00	-7.83	AVG
4	2488.790	30.19	15.59	45.78	54.00	-8.22	AVG

Test Mode:	802.11n HT40 PK	Frequency(MHz):	2437
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



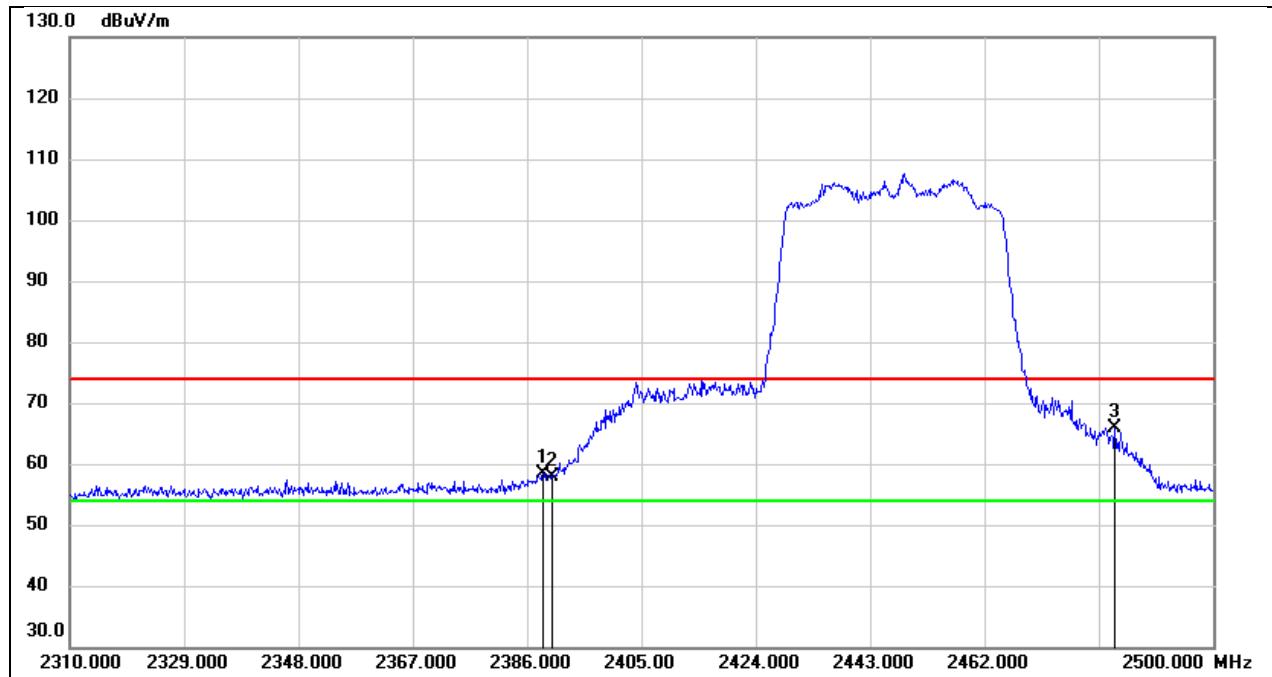
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	49.31	15.16	64.47	74.00	-9.53	peak
2	2483.500	48.63	15.56	64.19	74.00	-9.81	peak

Test Mode:	802.11n HT40 AV	Frequency(MHz):	2437
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



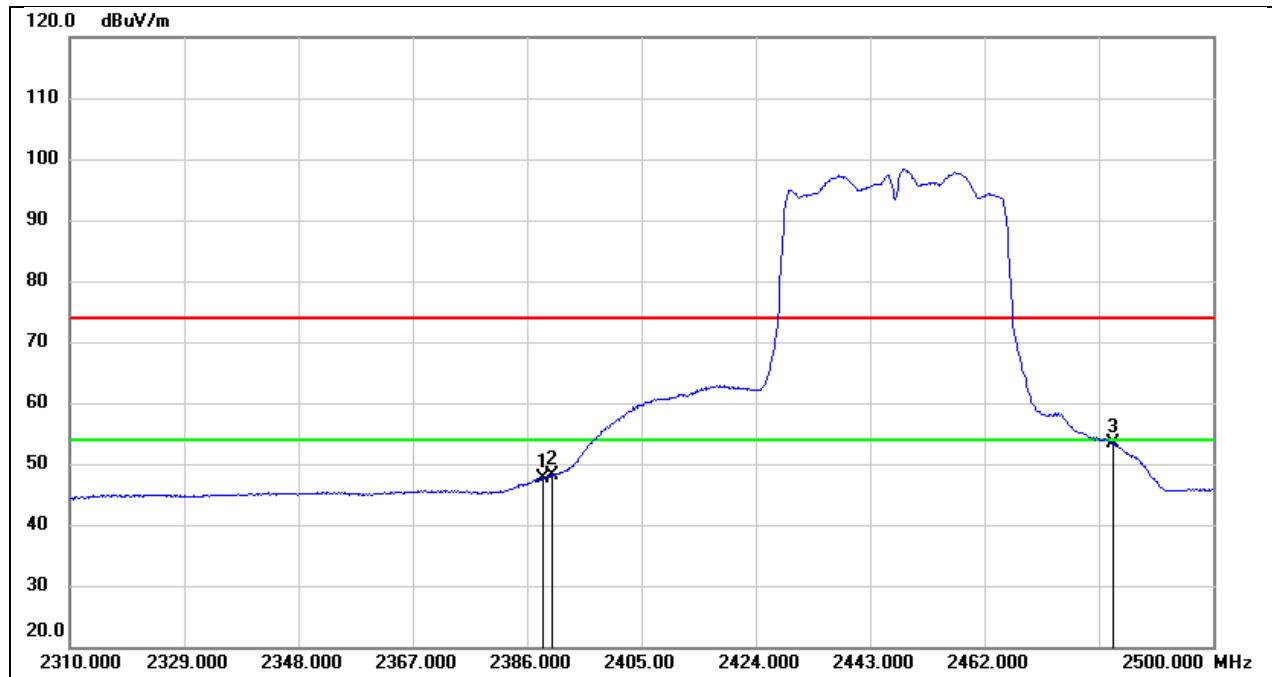
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	38.04	15.16	53.20	54.00	-0.80	AVG
2	2483.500	36.07	15.56	51.63	54.00	-2.37	AVG

Test Mode:	802.11n HT40 PK	Frequency(MHz):	2447
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



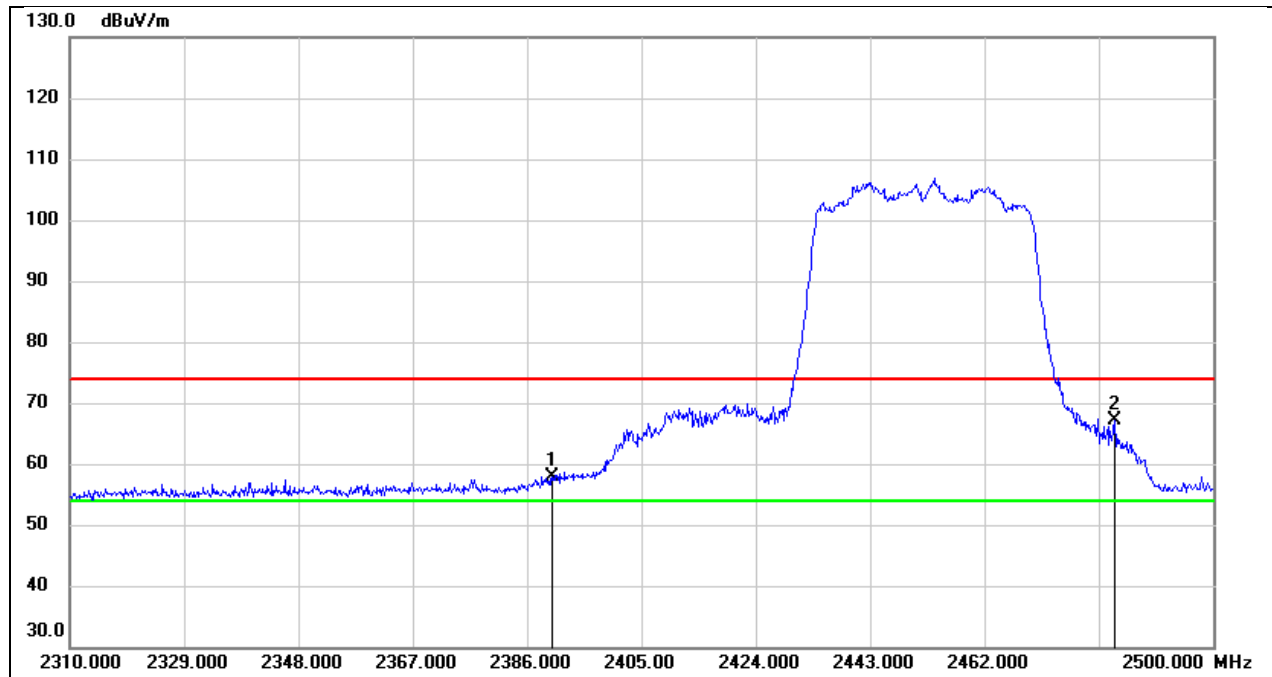
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2388.660	43.33	15.14	58.47	74.00	-15.53	peak
2	2390.000	42.71	15.16	57.87	74.00	-16.13	peak
3	2483.500	50.20	15.56	65.76	74.00	-8.24	peak

Test Mode:	802.11n HT40 AV	Frequency(MHz):	2447
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



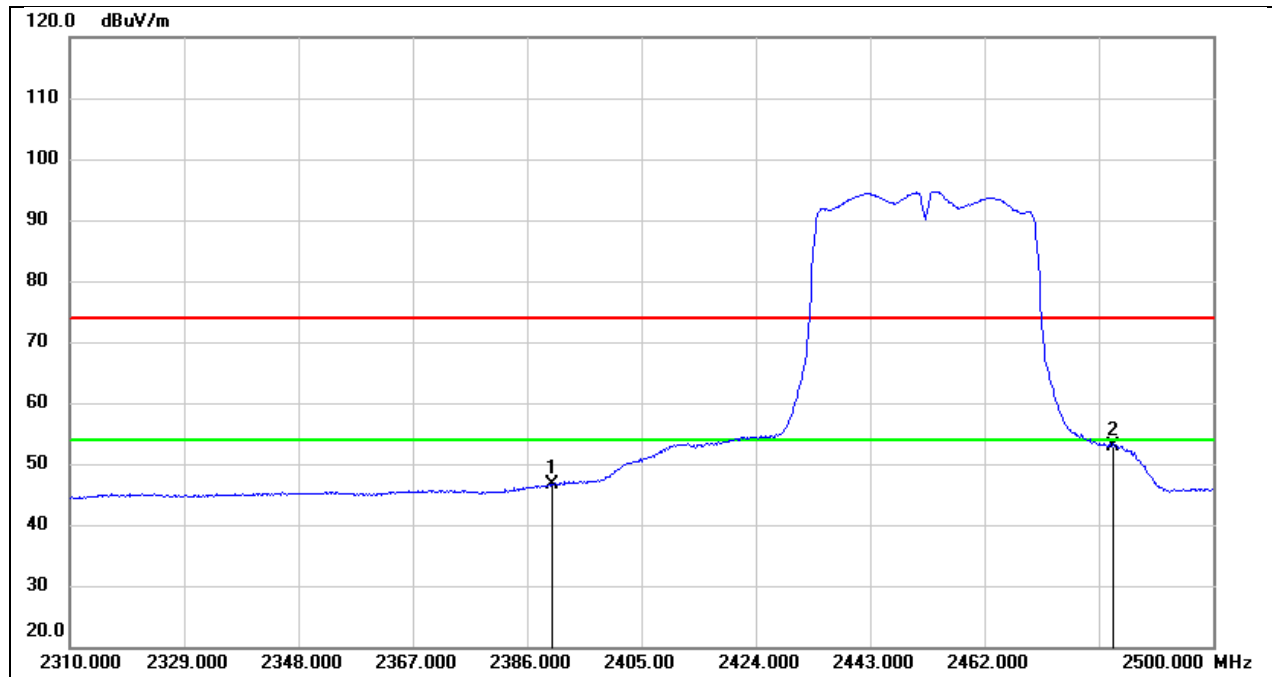
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2388.660	32.41	15.14	47.55	54.00	-6.45	AVG
2	2390.000	32.94	15.16	48.10	54.00	-5.90	AVG
3	2483.500	37.70	15.56	53.26	54.00	-0.74	AVG

Test Mode:	802.11n HT40 PK	Frequency(MHz):	2452
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



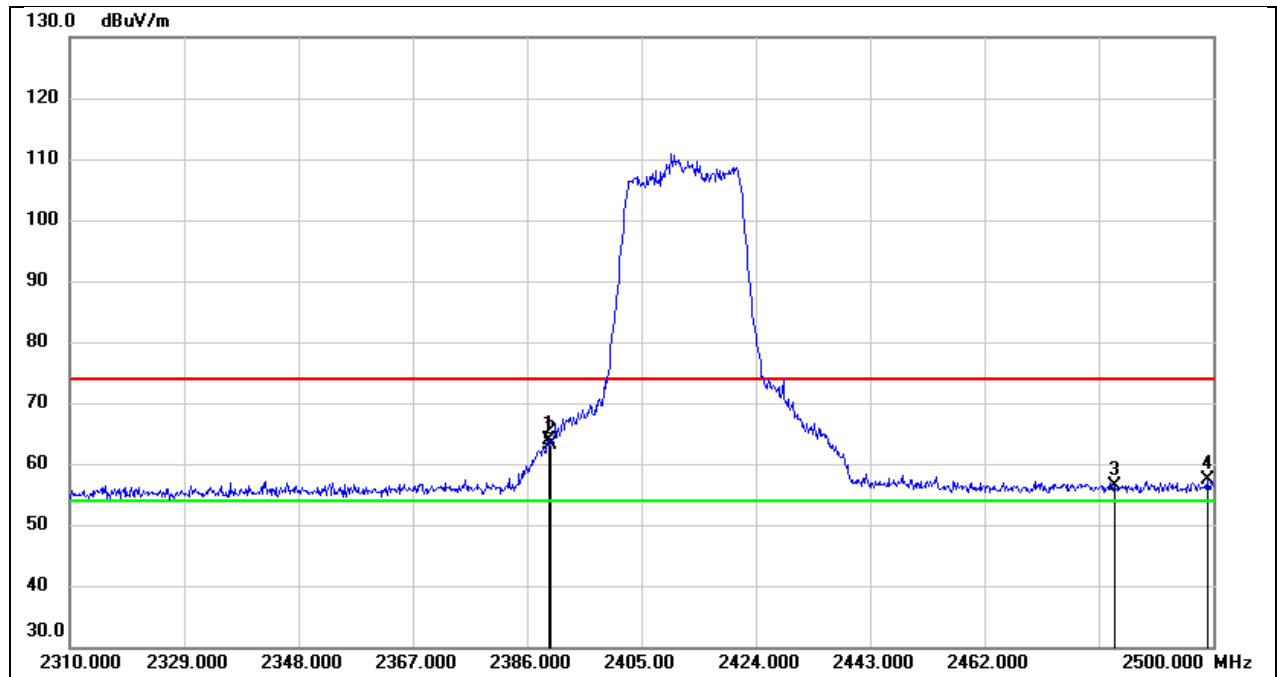
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	42.80	15.16	57.96	74.00	-16.04	peak
2	2483.500	51.51	15.56	67.07	74.00	-6.93	peak

Test Mode:	802.11n HT40 AV	Frequency(MHz):	2452
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



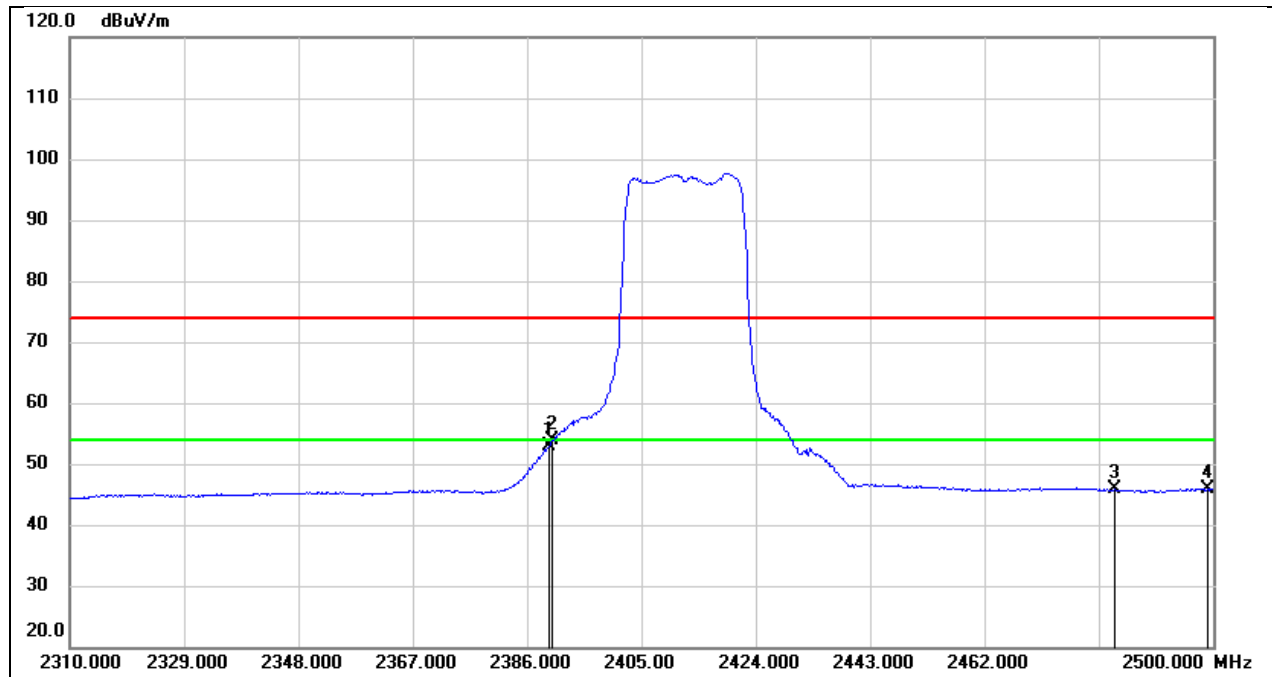
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	31.52	15.16	46.68	54.00	-7.32	AVG
2	2483.500	37.28	15.56	52.84	54.00	-1.16	AVG

Test Mode:	802.11ax HE20 PK	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



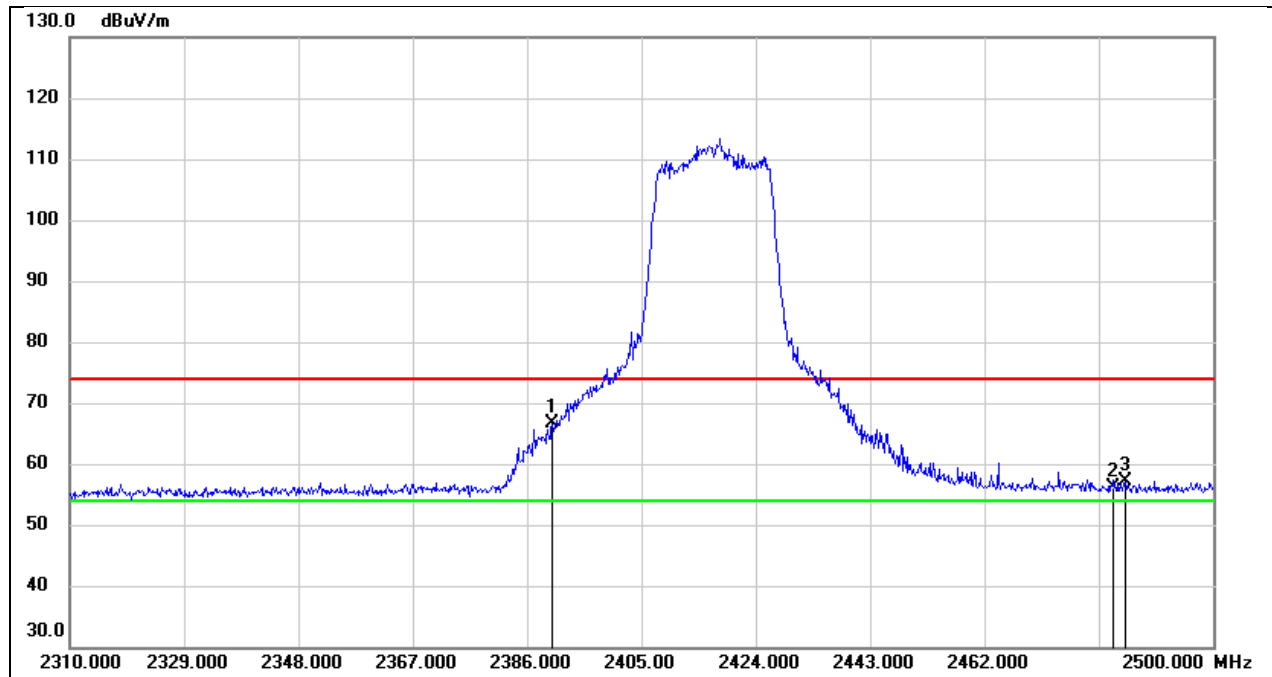
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.610	48.75	15.15	63.90	74.00	-10.10	peak
2	2390.000	48.09	15.16	63.25	74.00	-10.75	peak
3	2483.500	40.78	15.56	56.34	74.00	-17.66	peak
4	2499.050	41.68	15.63	57.31	74.00	-16.69	peak

Test Mode:	802.11ax HE20 AV	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



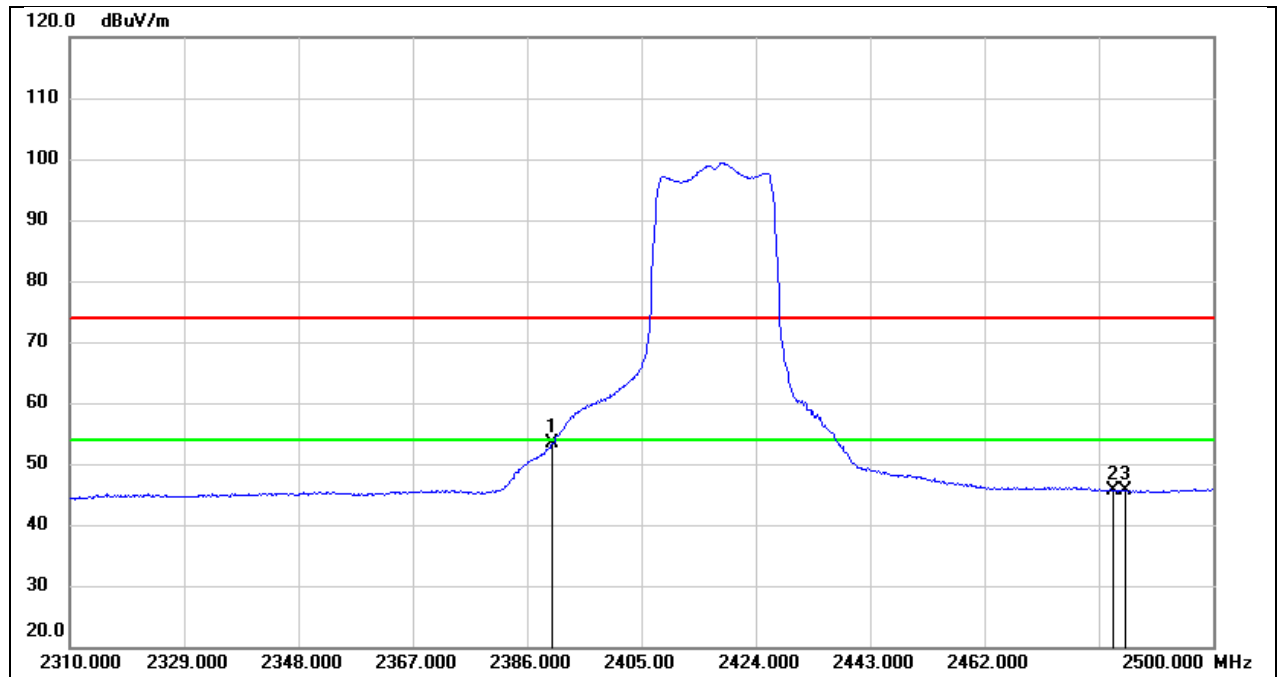
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.610	37.62	15.15	52.77	54.00	-1.23	AVG
2	2390.000	38.74	15.16	53.90	54.00	-0.10	AVG
3	2483.500	30.20	15.56	45.76	54.00	-8.24	AVG
4	2499.050	30.17	15.63	45.80	54.00	-8.20	AVG

Test Mode:	802.11ax HE20 PK	Frequency(MHz):	2417
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



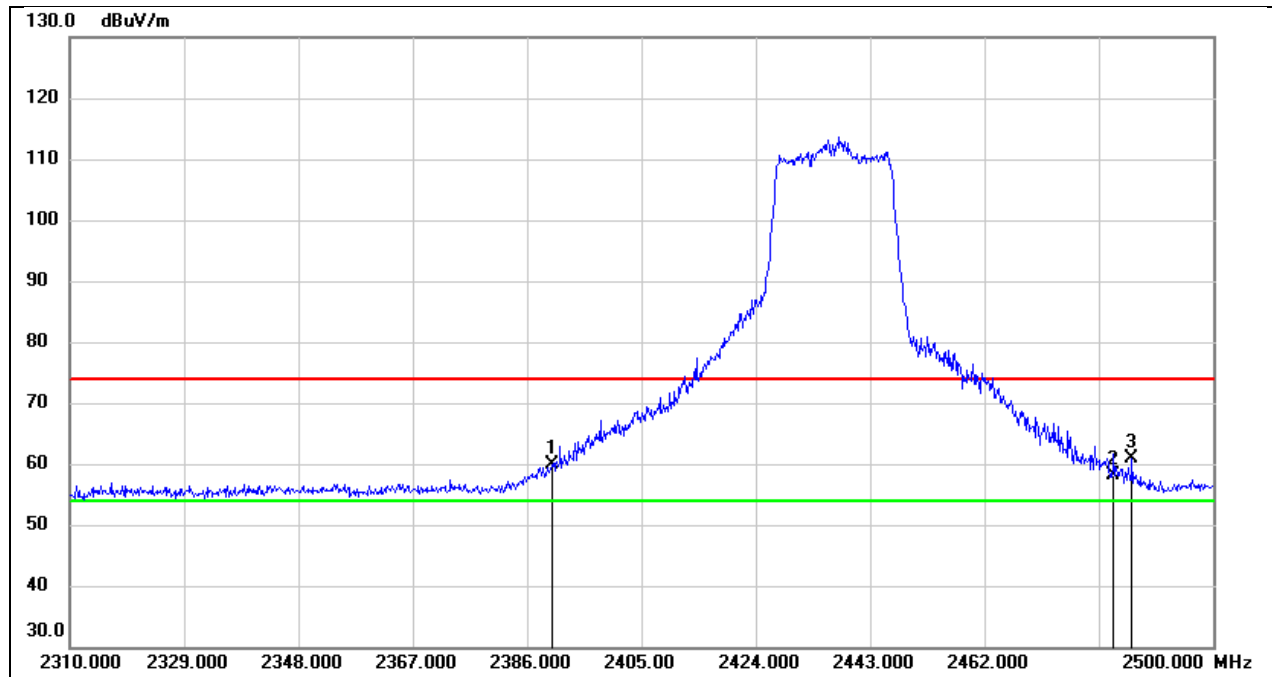
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	51.48	15.16	66.64	74.00	-7.36	peak
2	2483.500	40.62	15.56	56.18	74.00	-17.82	peak
3	2485.370	41.63	15.56	57.19	74.00	-16.81	peak

Test Mode:	802.11ax HE20 AV	Frequency(MHz):	2417
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



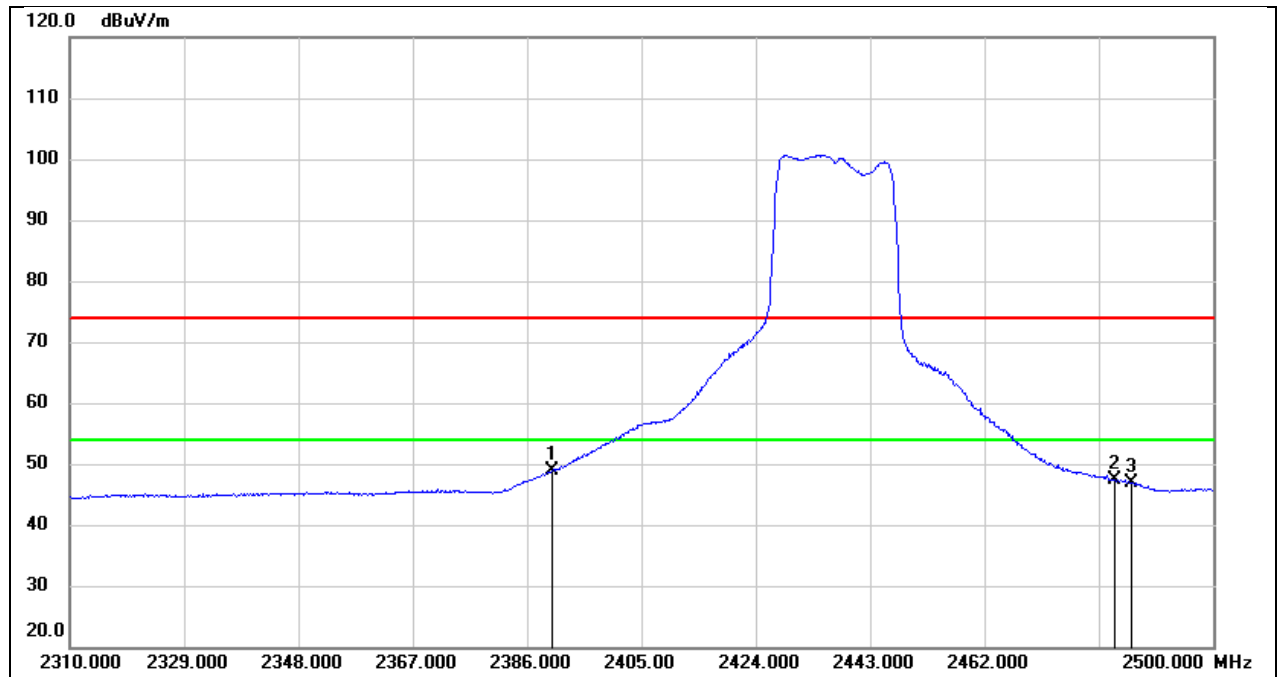
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	38.10	15.16	53.26	54.00	-0.74	AVG
2	2483.500	30.04	15.56	45.60	54.00	-8.40	AVG
3	2485.370	29.98	15.56	45.54	54.00	-8.46	AVG

Test Mode:	802.11ax HE20 PK	Frequency(MHz):	2437
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



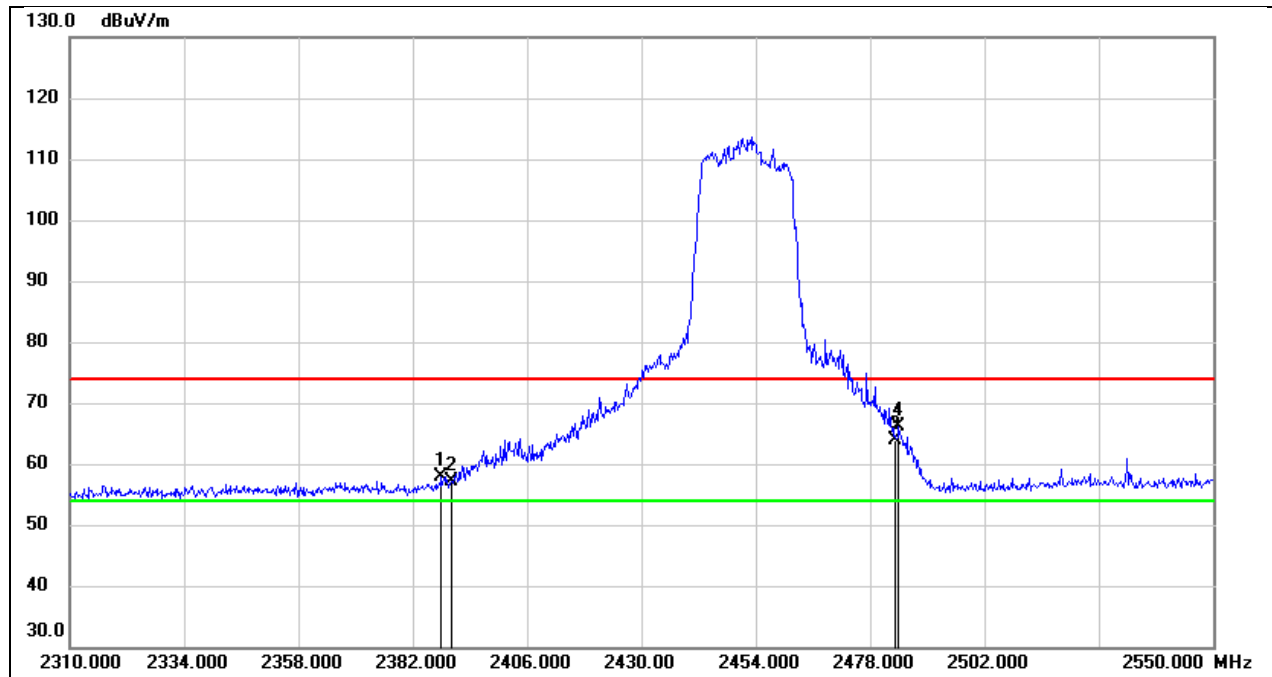
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	44.82	15.16	59.98	74.00	-14.02	peak
2	2483.500	42.60	15.56	58.16	74.00	-15.84	peak
3	2486.510	45.20	15.57	60.77	74.00	-13.23	peak

Test Mode:	802.11ax HE20 AV	Frequency(MHz):	2437
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



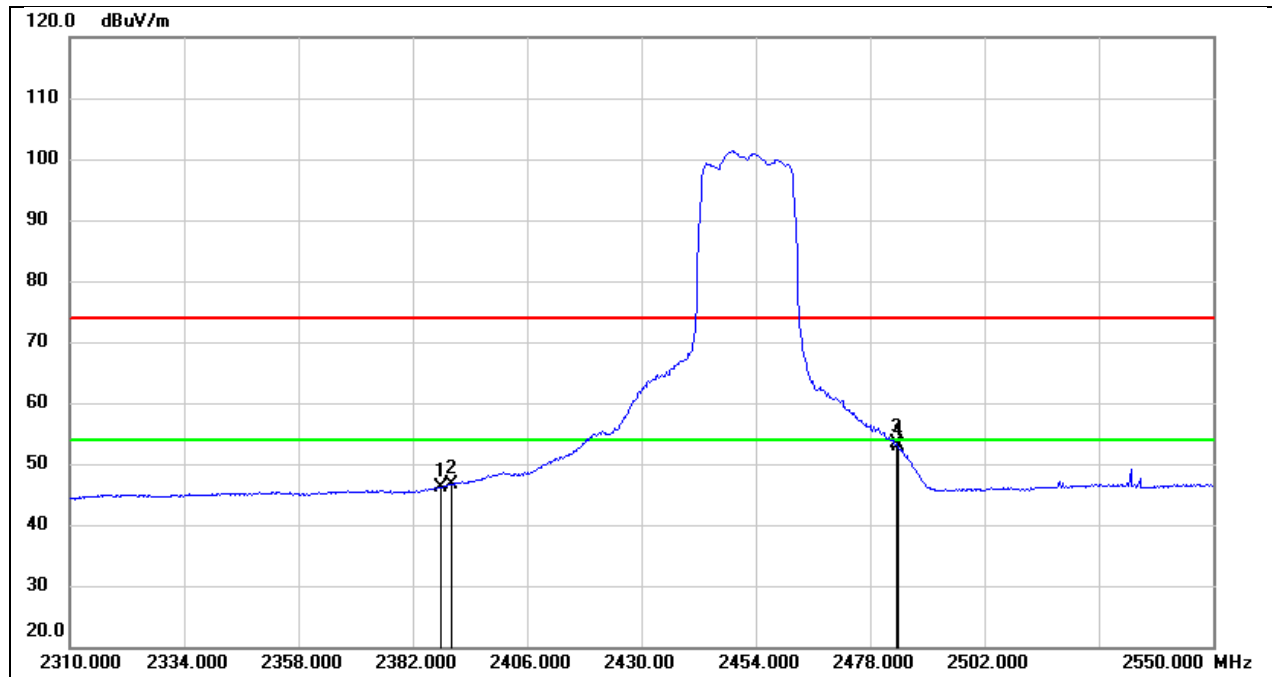
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	33.66	15.16	48.82	54.00	-5.18	AVG
2	2483.500	31.78	15.56	47.34	54.00	-6.66	AVG
3	2486.510	31.26	15.57	46.83	54.00	-7.17	AVG

Test Mode:	802.11ax HE20 PK	Frequency(MHz):	2452
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



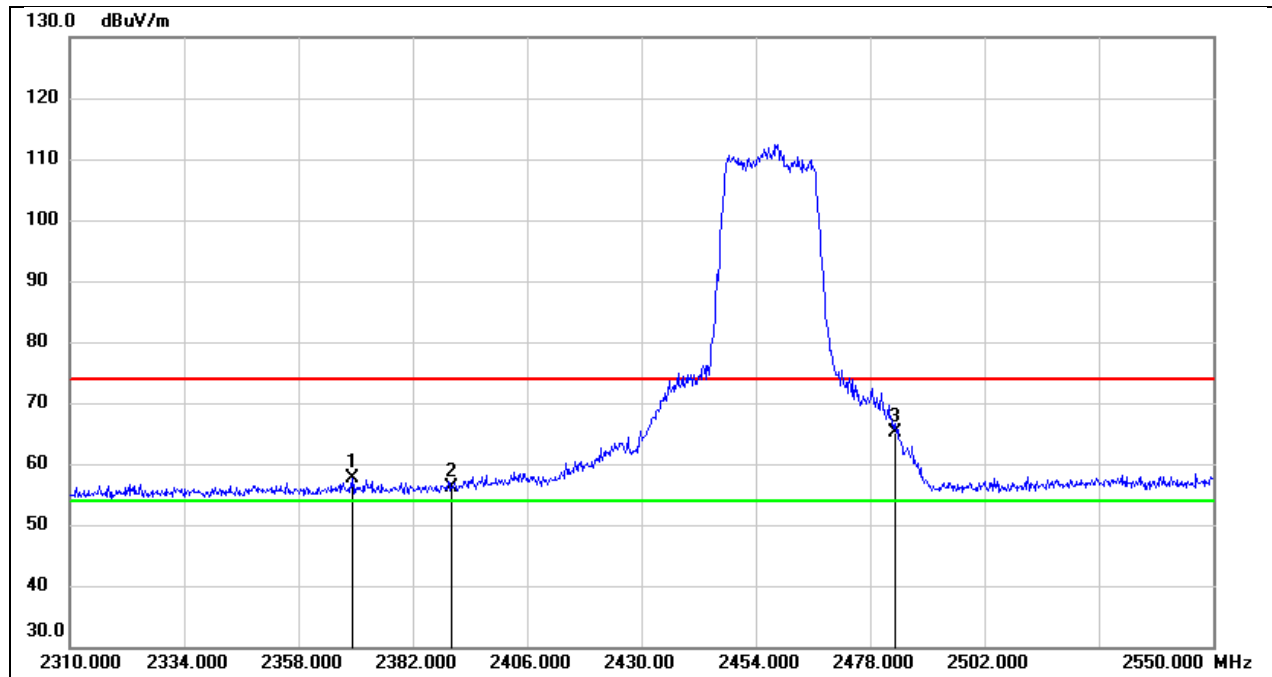
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2388.000	42.83	15.14	57.97	74.00	-16.03	peak
2	2390.000	41.90	15.16	57.06	74.00	-16.94	peak
3	2483.500	48.44	15.56	64.00	74.00	-10.00	peak
4	2484.000	50.53	15.56	66.09	74.00	-7.91	peak

Test Mode:	802.11ax HE20 AV	Frequency(MHz):	2452
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



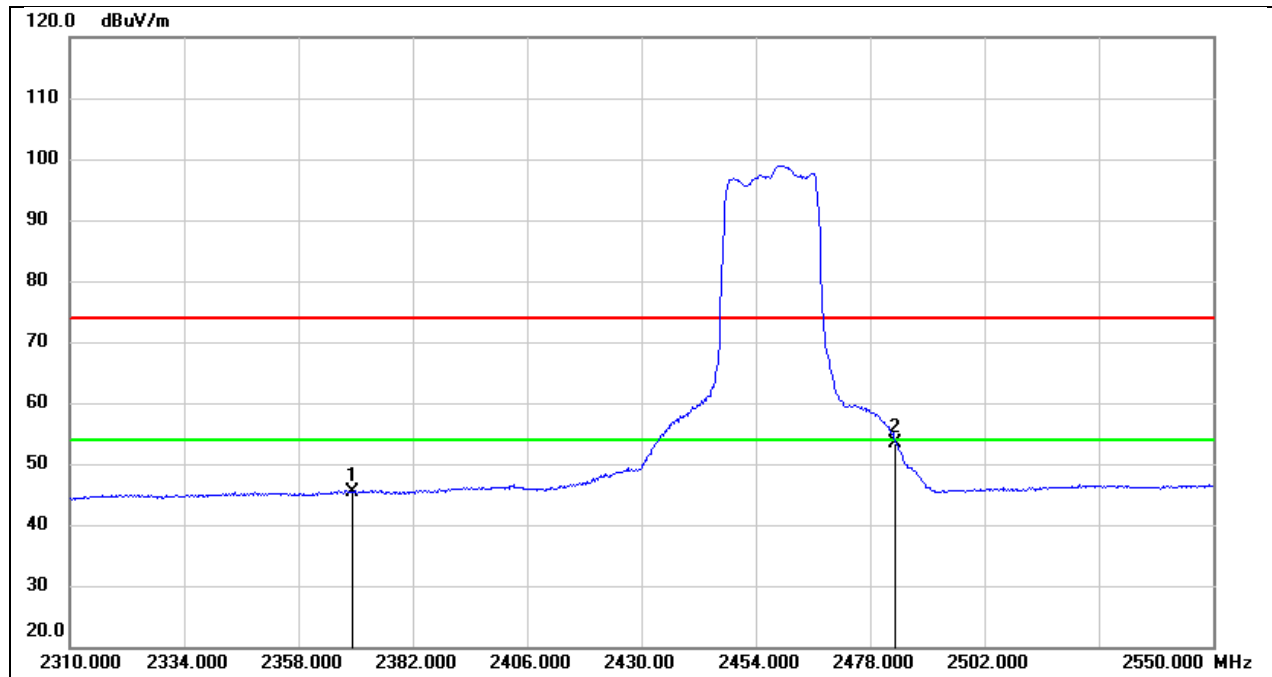
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2388.000	31.09	15.14	46.23	54.00	-7.77	AVG
2	2390.000	31.51	15.16	46.67	54.00	-7.33	AVG
3	2483.500	37.92	15.56	53.48	54.00	-0.52	AVG
4	2484.000	37.30	15.56	52.86	54.00	-1.14	AVG

Test Mode:	802.11ax HE20 PK	Frequency(MHz):	2457
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



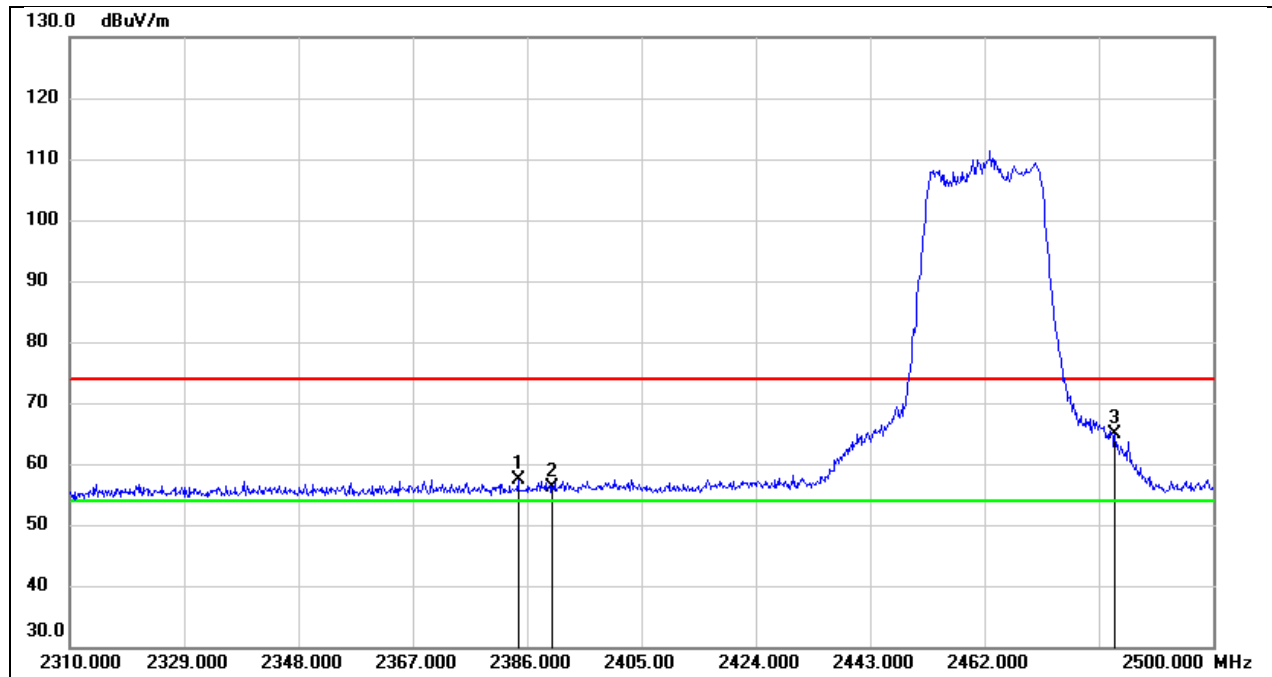
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2369.280	42.58	15.08	57.66	74.00	-16.34	peak
2	2390.000	40.86	15.16	56.02	74.00	-17.98	peak
3	2483.500	49.51	15.56	65.07	74.00	-8.93	peak

Test Mode:	802.11ax HE20 AV	Frequency(MHz):	2457
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



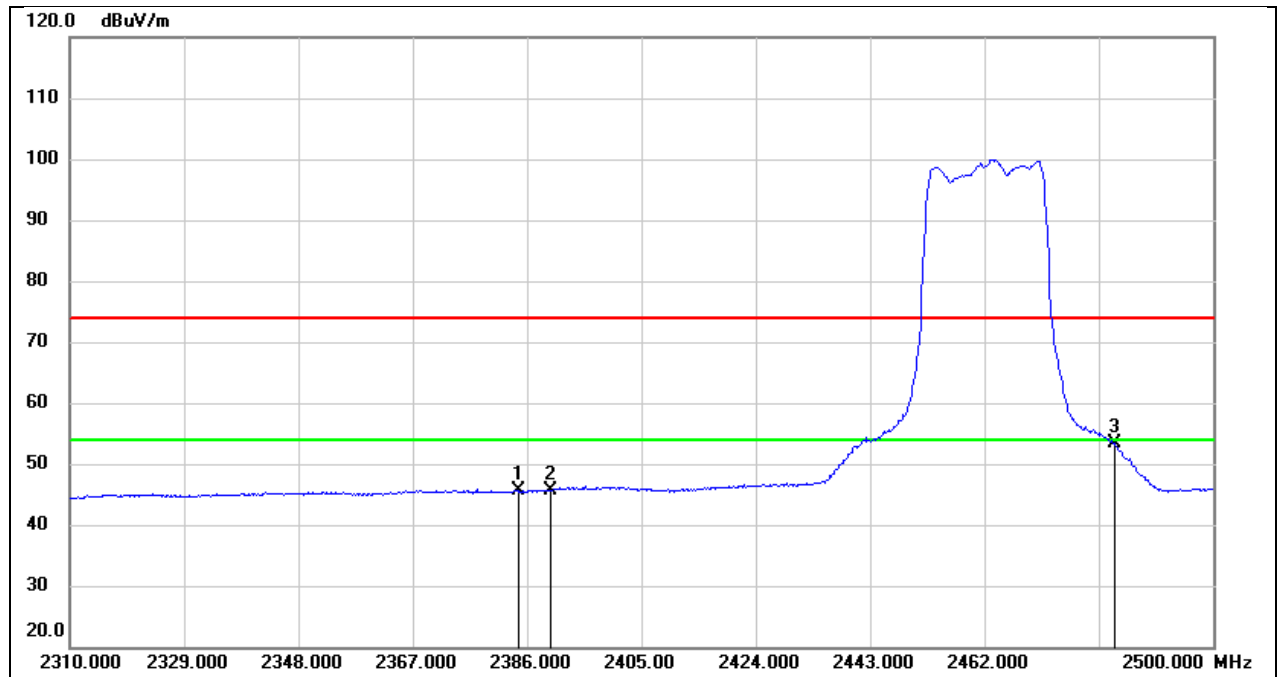
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2369.280	30.27	15.08	45.35	54.00	-8.65	AVG
2	2483.500	37.82	15.56	53.38	54.00	-0.62	AVG

Test Mode:	802.11ax HE20 PK	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



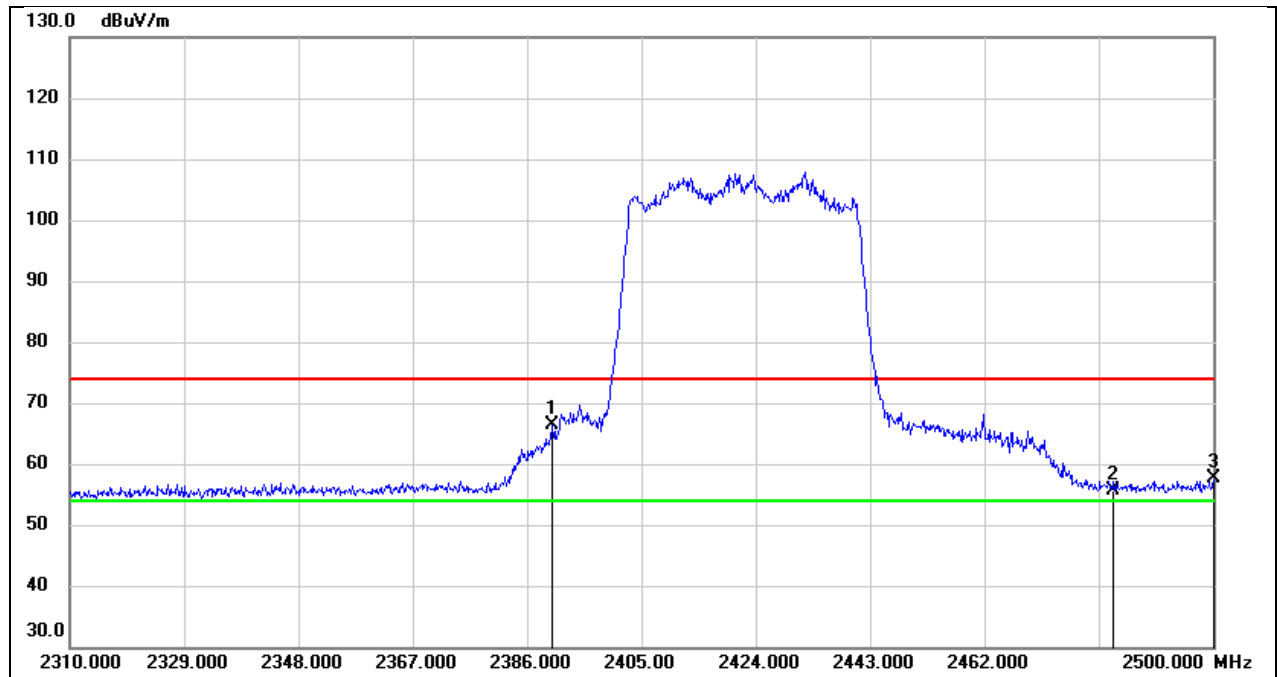
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2384.480	42.21	15.13	57.34	74.00	-16.66	peak
2	2390.000	40.94	15.16	56.10	74.00	-17.90	peak
3	2483.500	49.41	15.56	64.97	74.00	-9.03	peak

Test Mode:	802.11ax HE20 AV	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



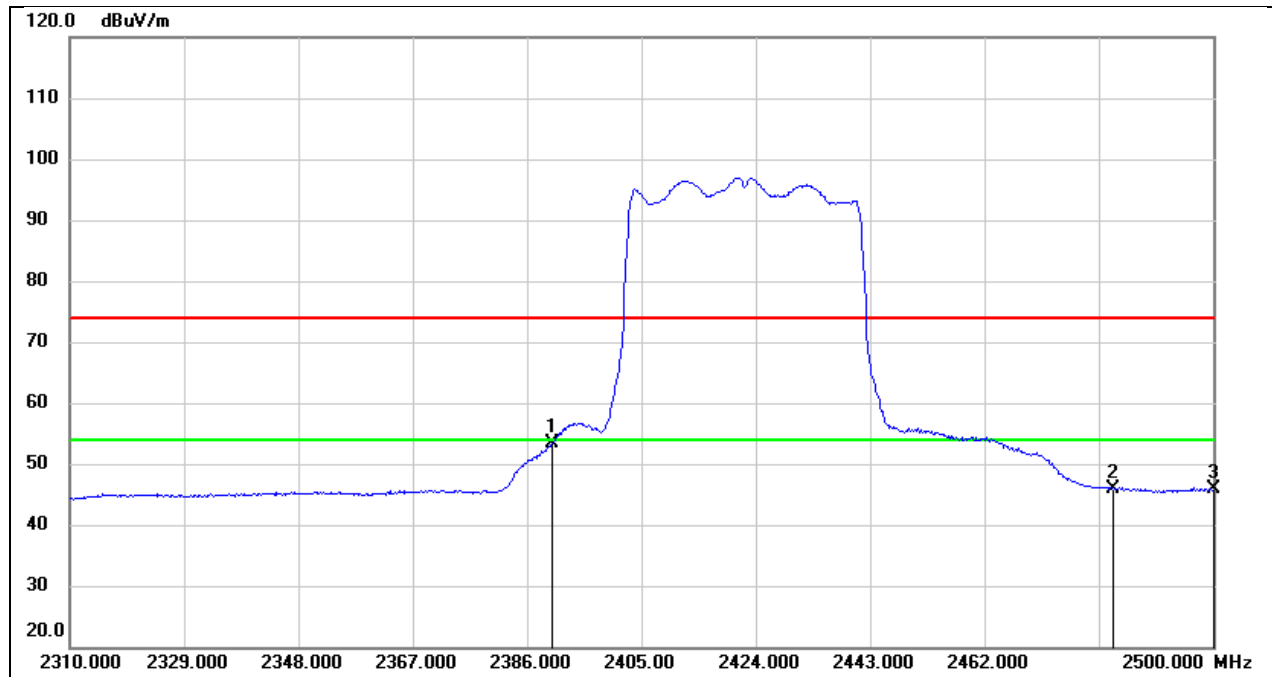
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2384.480	30.43	15.13	45.56	54.00	-8.44	AVG
2	2390.000	30.49	15.16	45.65	54.00	-8.35	AVG
3	2483.500	37.88	15.56	53.44	54.00	-0.56	AVG

Test Mode:	802.11ax HE40 PK	Frequency(MHz):	2422
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



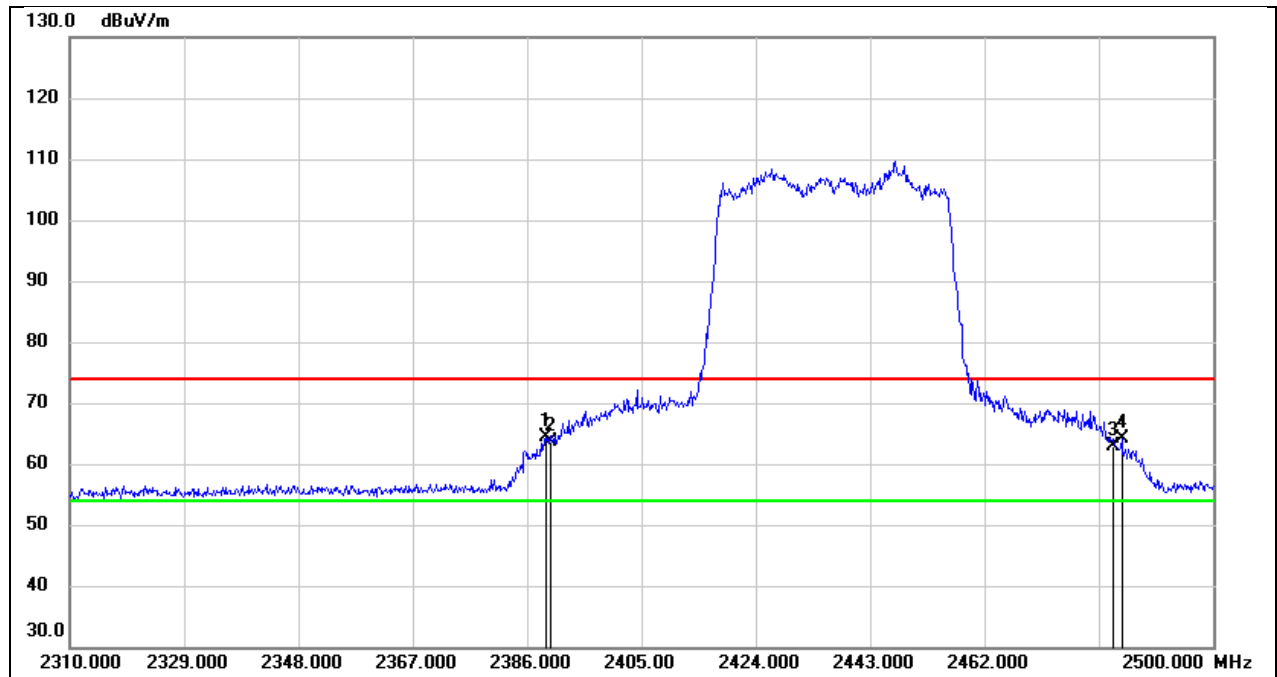
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	51.26	15.16	66.42	74.00	-7.58	peak
2	2483.500	40.10	15.56	55.66	74.00	-18.34	peak
3	2500.000	41.98	15.64	57.62	74.00	-16.38	peak

Test Mode:	802.11ax HE40 AV	Frequency(MHz):	2422
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



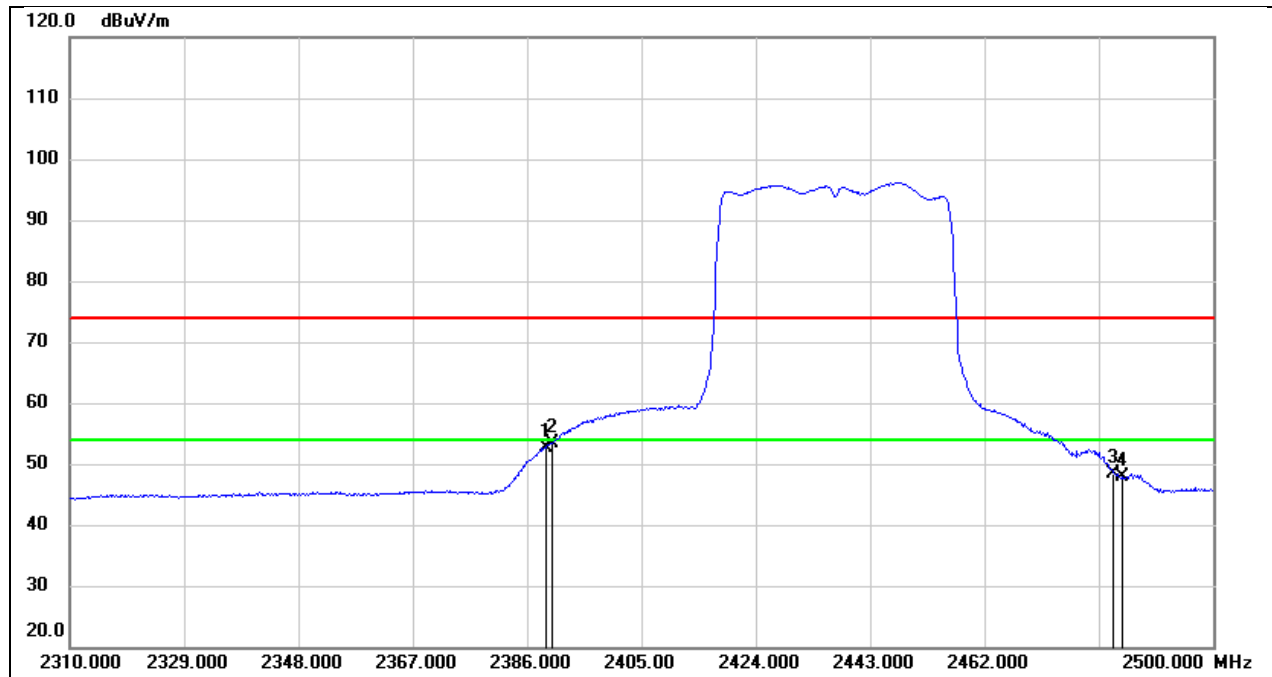
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	38.33	15.16	53.49	54.00	-0.51	AVG
2	2483.500	30.33	15.56	45.89	54.00	-8.11	AVG
3	2500.000	30.24	15.64	45.88	54.00	-8.12	AVG

Test Mode:	802.11ax HE40 PK	Frequency(MHz):	2437
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



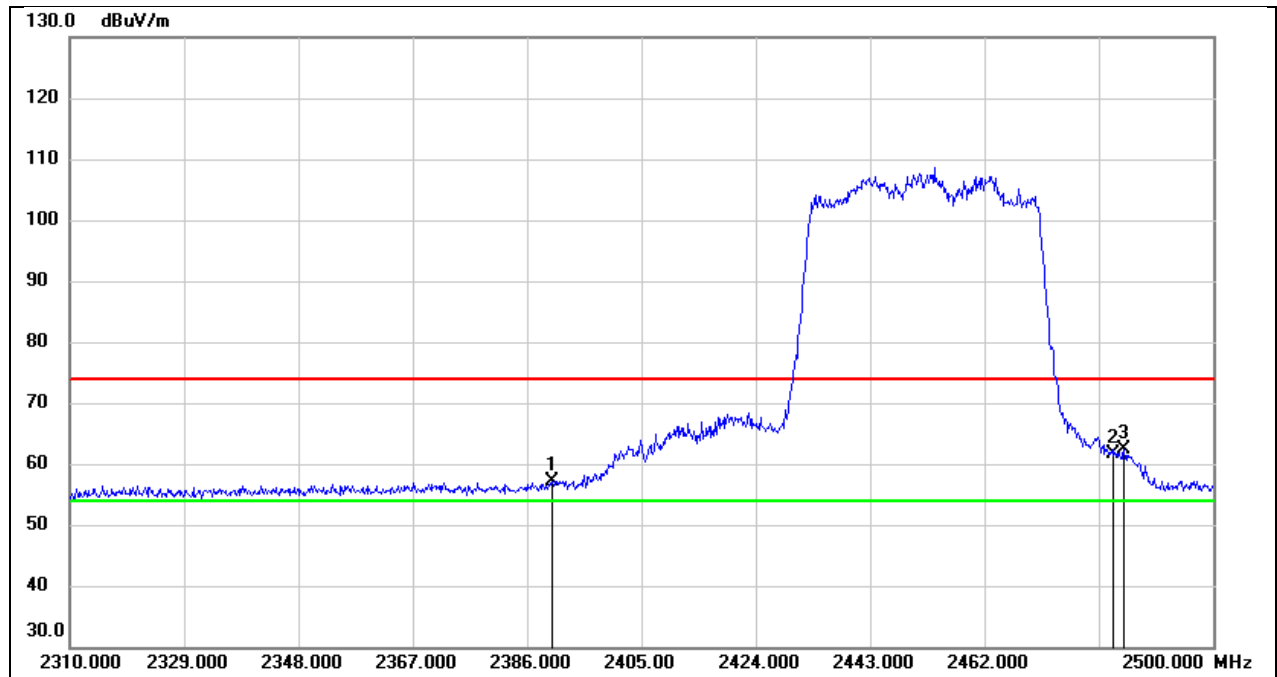
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.040	49.12	15.15	64.27	74.00	-9.73	peak
2	2390.000	48.44	15.16	63.60	74.00	-10.40	peak
3	2483.500	47.44	15.56	63.00	74.00	-11.00	peak
4	2484.800	48.57	15.56	64.13	74.00	-9.87	peak

Test Mode:	802.11ax HE40 AV	Frequency(MHz):	2437
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



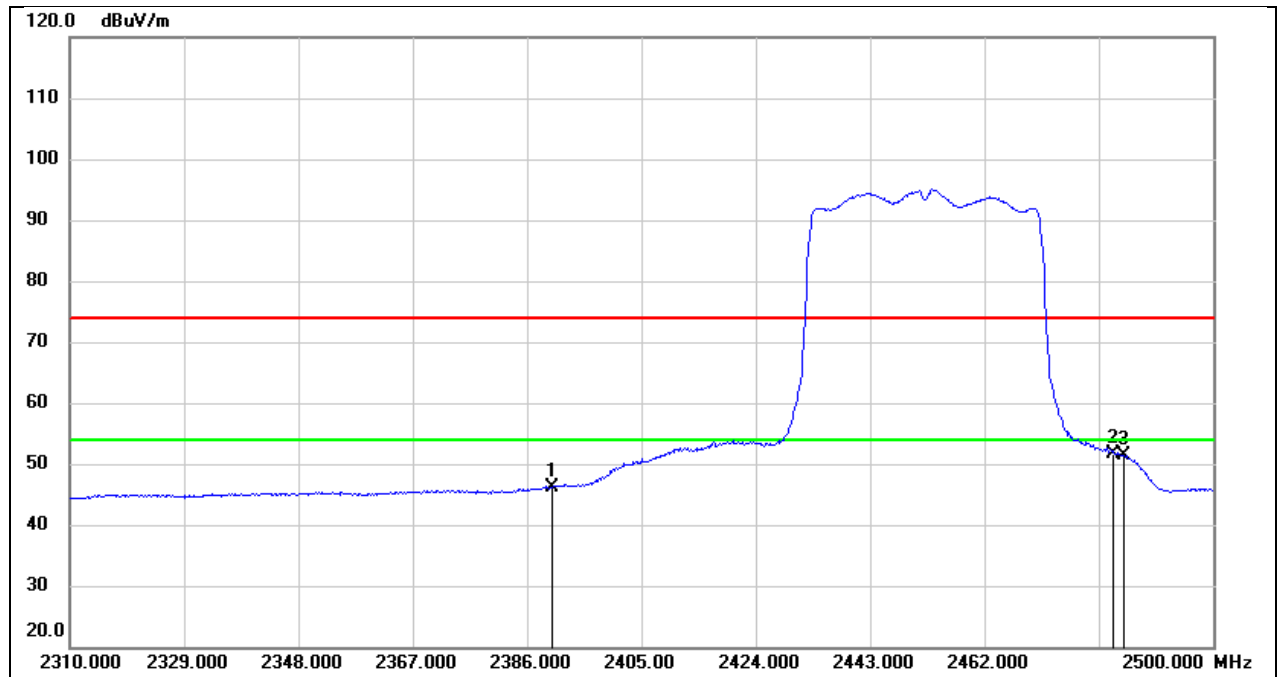
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.040	37.53	15.15	52.68	54.00	-1.32	AVG
2	2390.000	38.27	15.16	53.43	54.00	-0.57	AVG
3	2483.500	32.83	15.56	48.39	54.00	-5.61	AVG
4	2484.800	32.26	15.56	47.82	54.00	-6.18	AVG

Test Mode:	802.11ax HE40 PK	Frequency(MHz):	2452
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	42.05	15.16	57.21	74.00	-16.79	peak
2	2483.500	46.19	15.56	61.75	74.00	-12.25	peak
3	2485.180	46.82	15.56	62.38	74.00	-11.62	peak

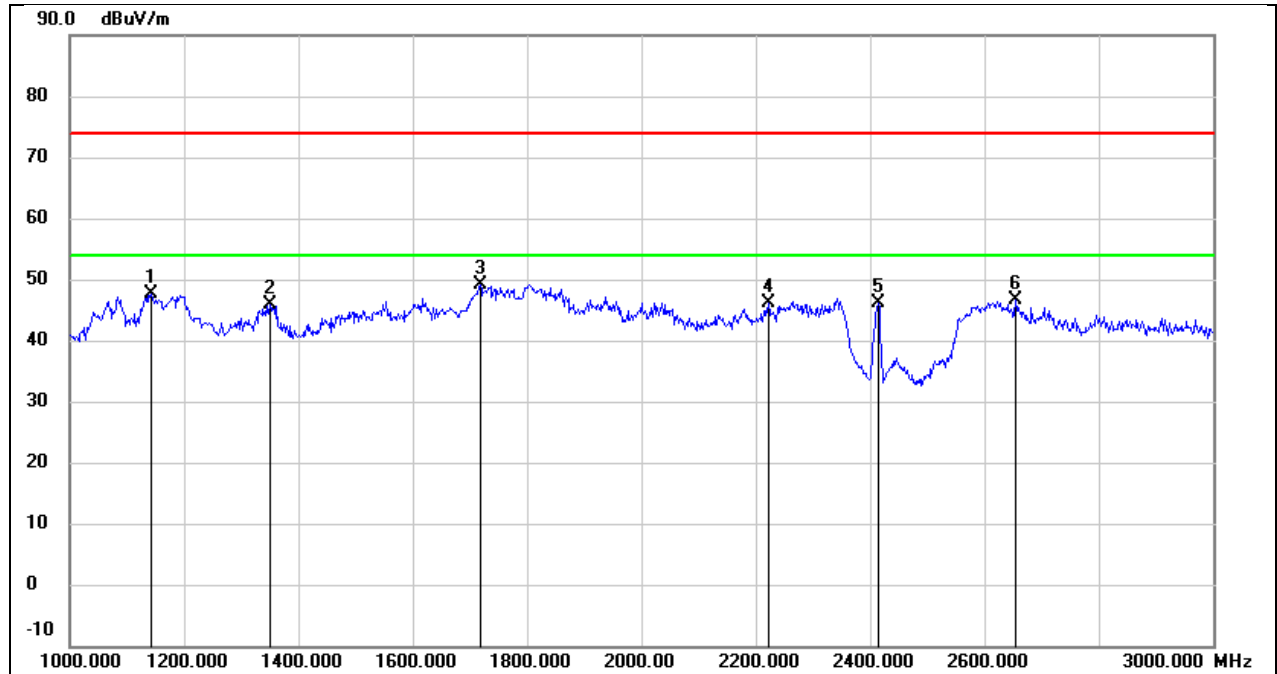
Test Mode:	802.11ax HE40 AV	Frequency(MHz):	2452
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	31.04	15.16	46.20	54.00	-7.80	AVG
2	2483.500	36.16	15.56	51.72	54.00	-2.28	AVG
3	2485.180	35.76	15.56	51.32	54.00	-2.68	AVG

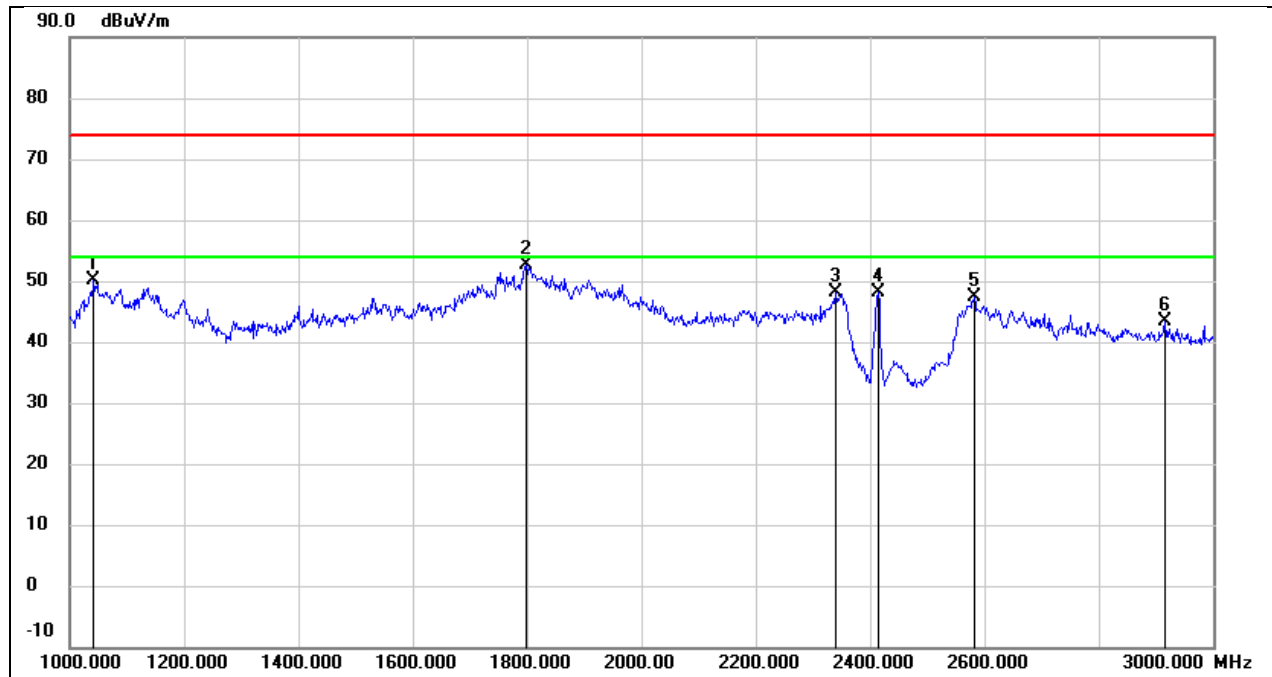
8.2. SPURIOUS EMISSIONS(1 GHZ~3 GHZ)

Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



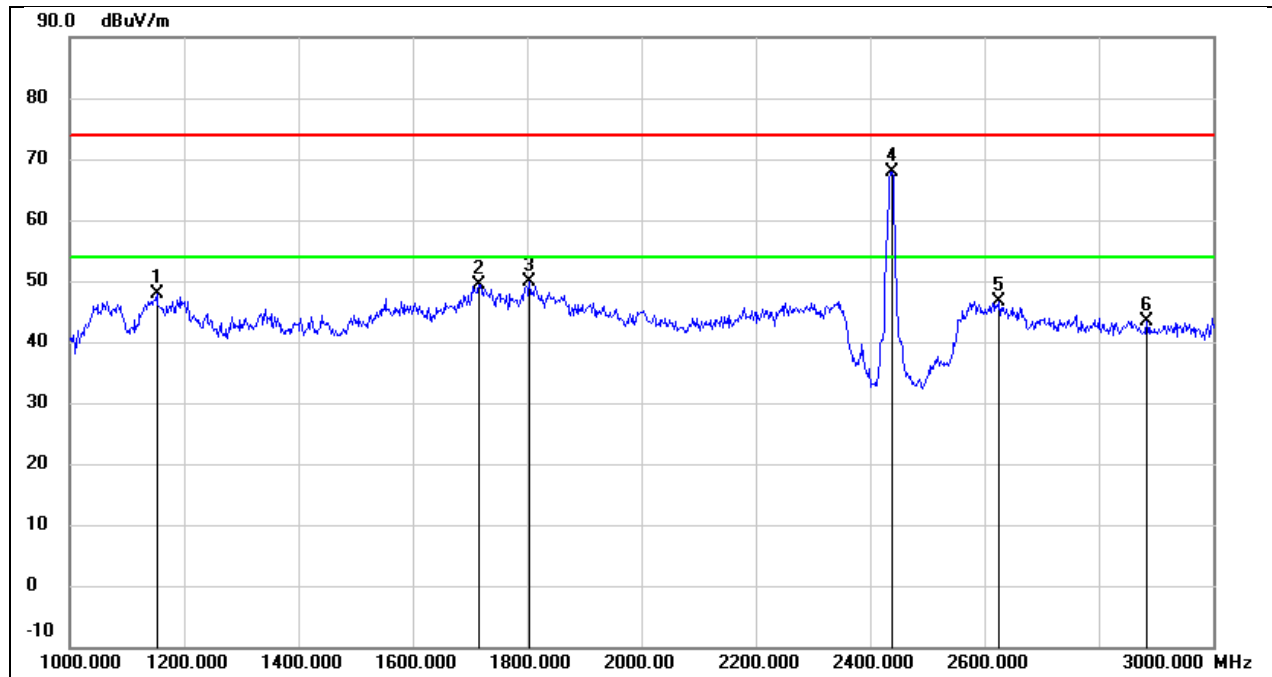
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1142.000	61.19	-13.68	47.51	74.00	-26.49	peak
2	1350.000	58.53	-12.68	45.85	74.00	-28.15	peak
3	1718.000	59.69	-10.64	49.05	74.00	-24.95	peak
4	2222.000	55.52	-9.37	46.15	74.00	-27.85	peak
5	2412.000	54.66	-8.57	46.09	/	/	fundamental
6	2654.000	54.12	-7.60	46.52	74.00	-27.48	peak

Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	AC 120V_60Hz



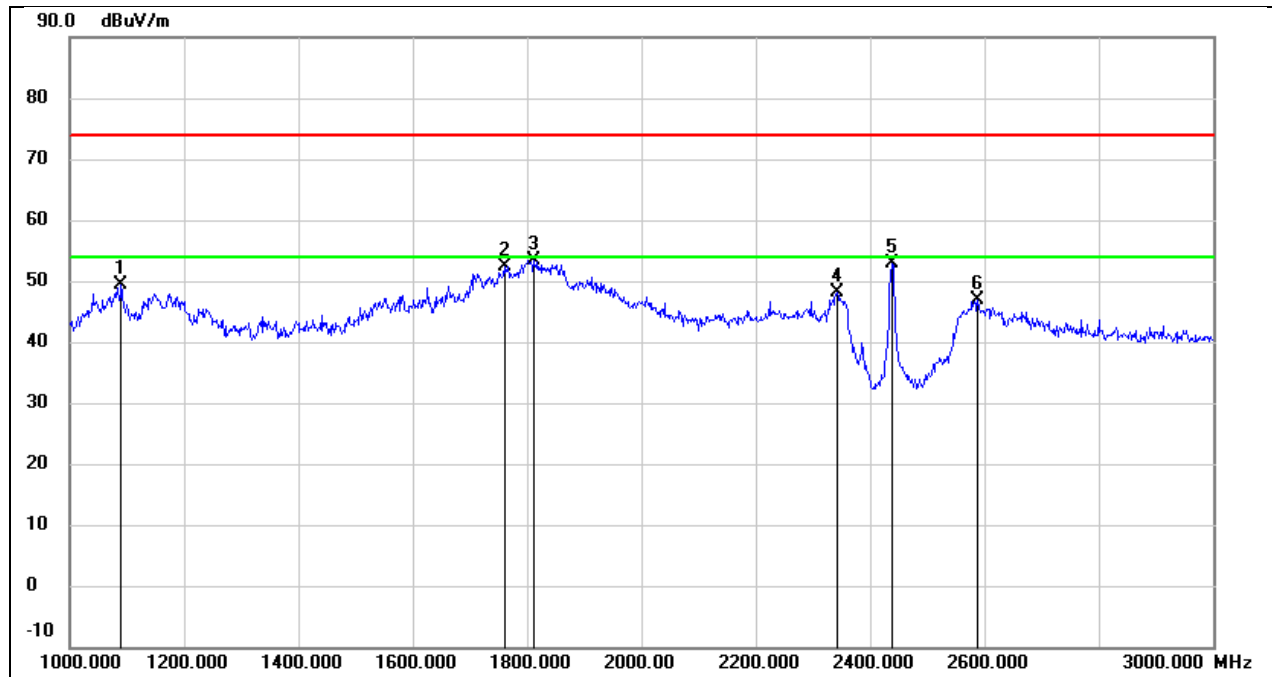
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1042.000	64.30	-14.14	50.16	74.00	-23.84	peak
2	1798.000	62.84	-10.09	52.75	74.00	-21.25	peak
3	2340.000	57.05	-8.88	48.17	74.00	-25.83	peak
4	2412.000	56.67	-8.57	48.10	/	/	fundamental
5	2582.000	55.27	-7.87	47.40	74.00	-26.60	peak
6	2916.000	49.89	-6.55	43.34	74.00	-30.66	peak

Test Mode:	802.11b	Frequency(MHz):	2437
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



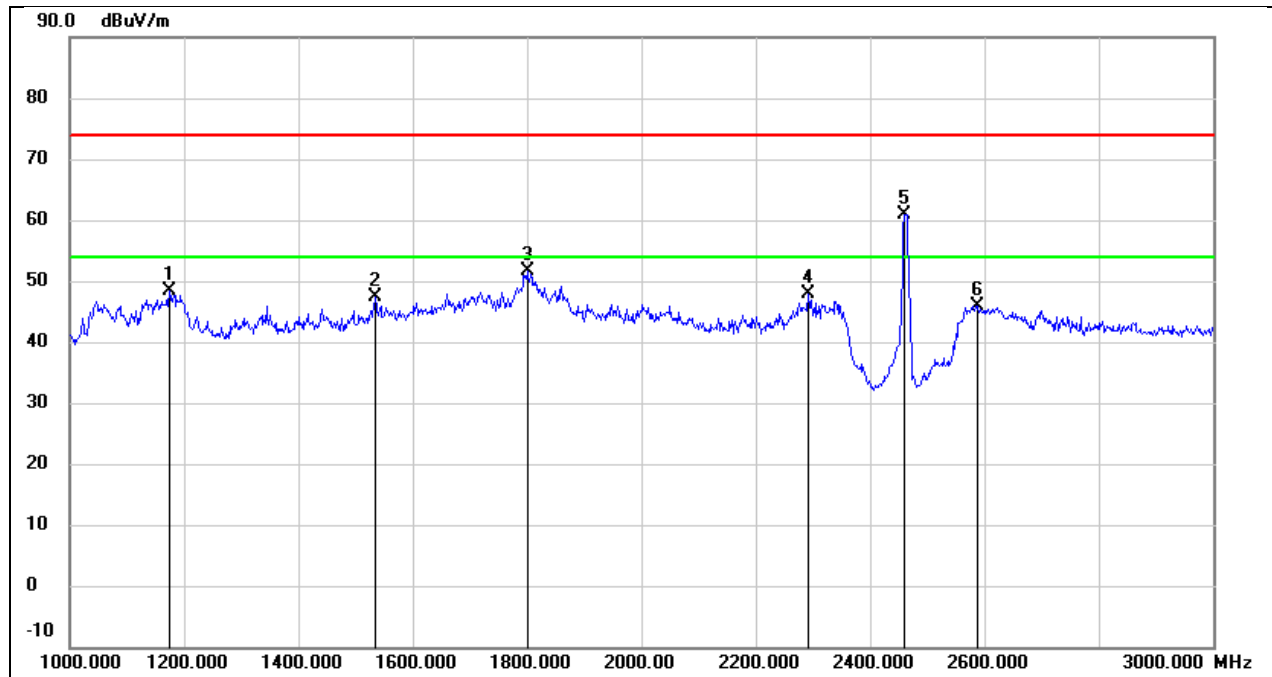
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1152.000	61.54	-13.63	47.91	74.00	-26.09	peak
2	1716.000	60.08	-10.64	49.44	74.00	-24.56	peak
3	1804.000	60.07	-10.08	49.99	74.00	-24.01	peak
4	2437.000	76.41	-8.47	67.94	/	/	fundamental
5	2626.000	54.34	-7.69	46.65	74.00	-27.35	peak
6	2884.000	50.17	-6.70	43.47	74.00	-30.53	peak

Test Mode:	802.11b	Frequency(MHz):	2437
Polarity:	Vertical	Test Voltage:	AC 120V_60Hz



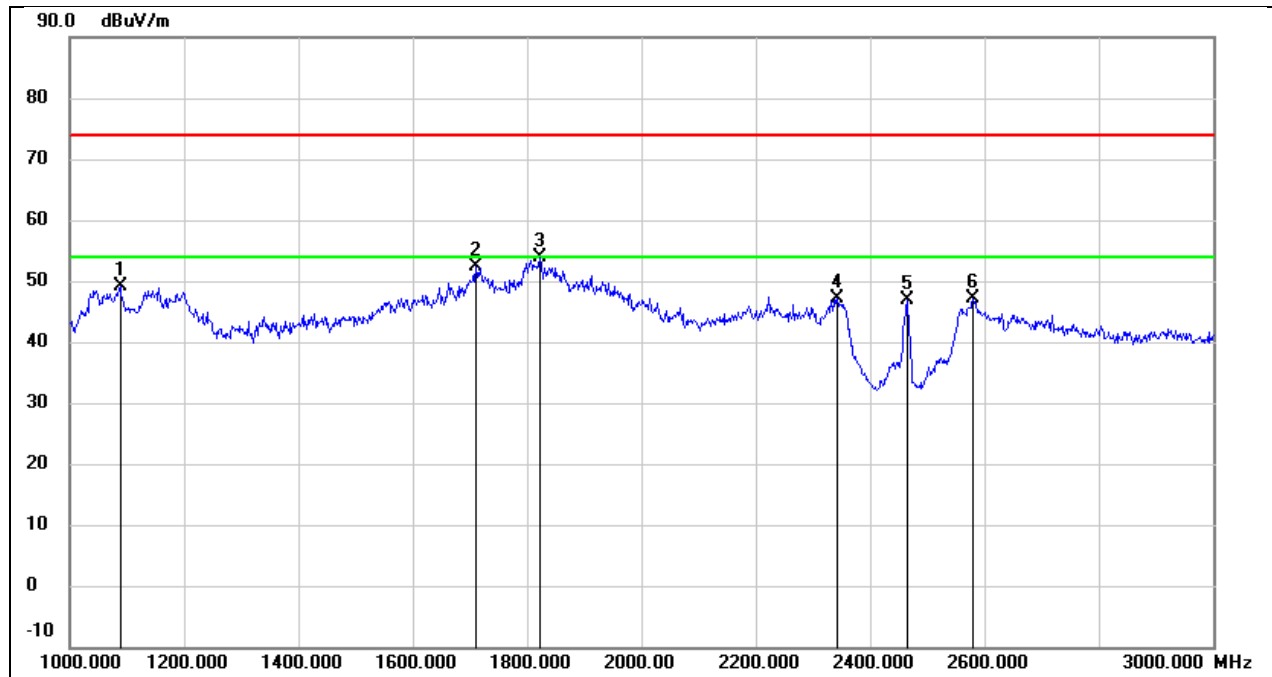
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1090.000	63.41	-13.92	49.49	74.00	-24.51	peak
2	1760.000	62.70	-10.35	52.35	74.00	-21.65	peak
3	1812.000	63.45	-10.10	53.35	74.00	-20.65	peak
4	2342.000	57.10	-8.87	48.23	74.00	-25.77	peak
5	2437.000	61.43	-8.47	52.96	/	/	fundamental
6	2588.000	54.68	-7.86	46.82	74.00	-27.18	peak

Test Mode:	802.11b	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1174.000	61.83	-13.53	48.30	74.00	-25.70	peak
2	1534.000	59.01	-11.72	47.29	74.00	-26.71	peak
3	1800.000	61.60	-10.08	51.52	74.00	-22.48	peak
4	2292.000	56.98	-9.07	47.91	74.00	-26.09	peak
5	2462.000	69.34	-8.38	60.96	/	/	fundamental
6	2588.000	53.86	-7.86	46.00	74.00	-28.00	peak

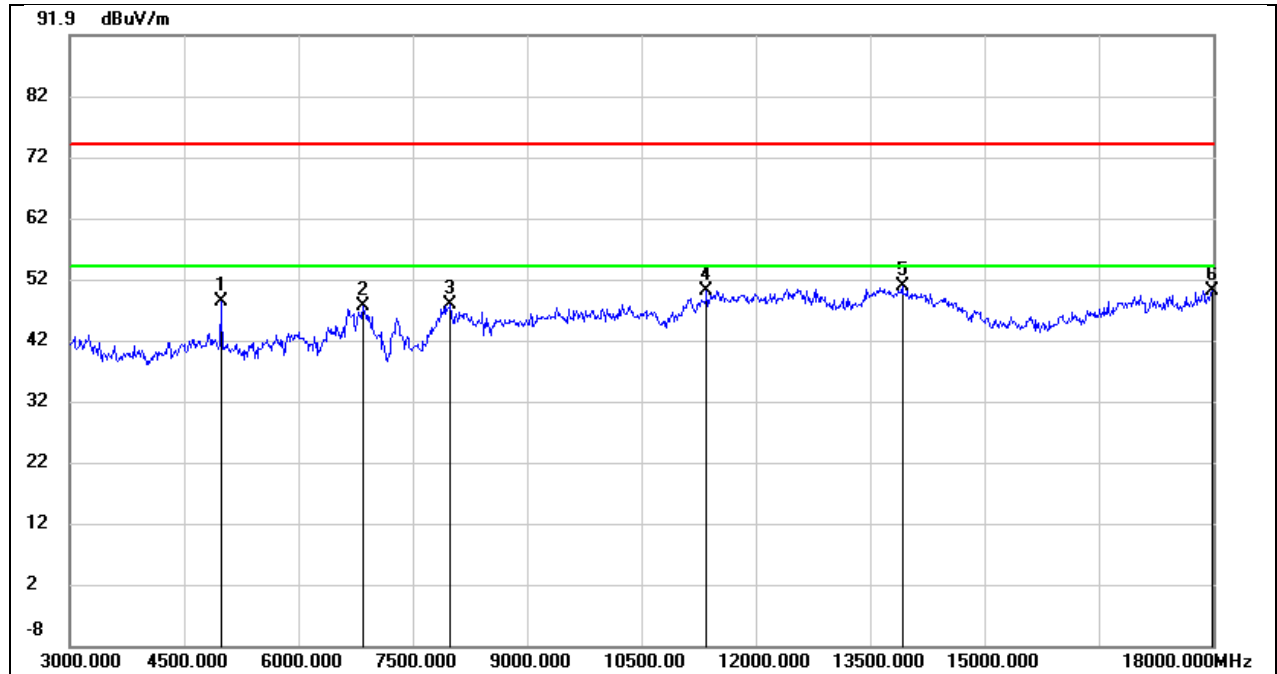
Test Mode:	802.11b	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	AC 120V_60Hz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1088.000	62.93	-13.92	49.01	74.00	-24.99	peak
2	1710.000	63.00	-10.68	52.32	74.00	-21.68	peak
3	1822.000	63.95	-10.11	53.84	74.00	-20.16	peak
4	2342.000	56.10	-8.87	47.23	74.00	-26.77	peak
5	2462.000	55.36	-8.36	47.00	/	/	fundamental
6	2580.000	54.89	-7.88	47.01	74.00	-26.99	peak

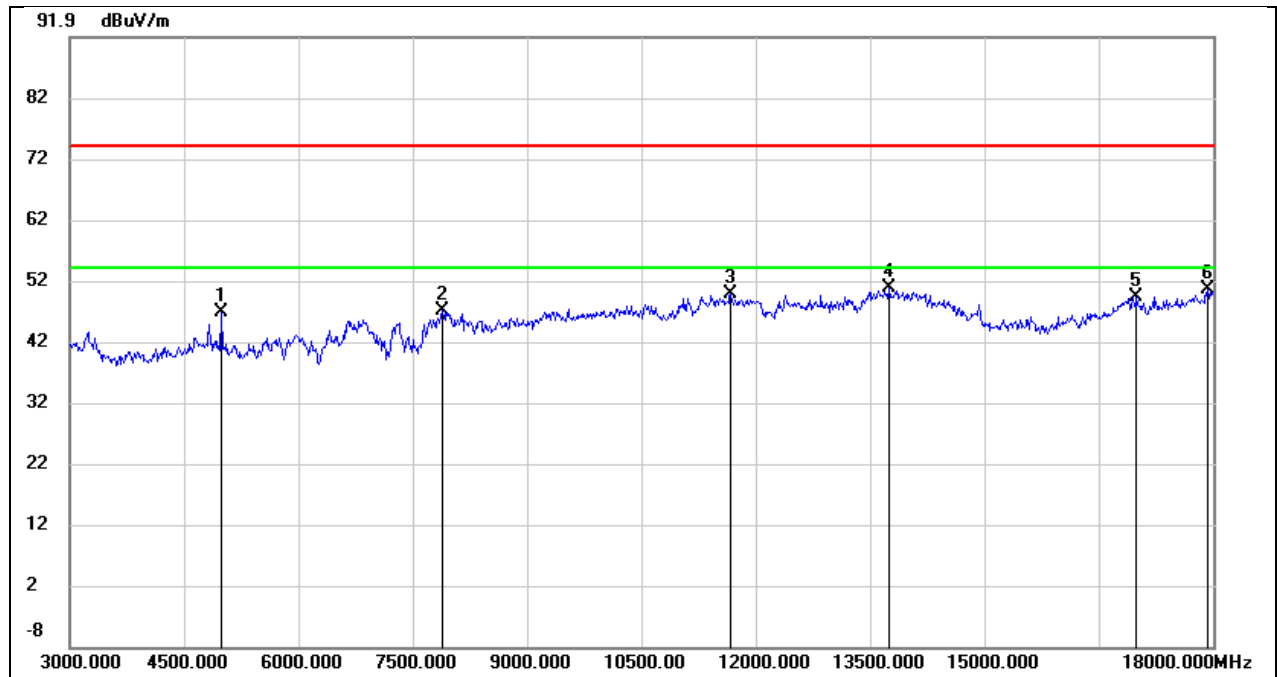
8.3. SPURIOUS EMISSIONS(3 GHZ~18 GHZ)

Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



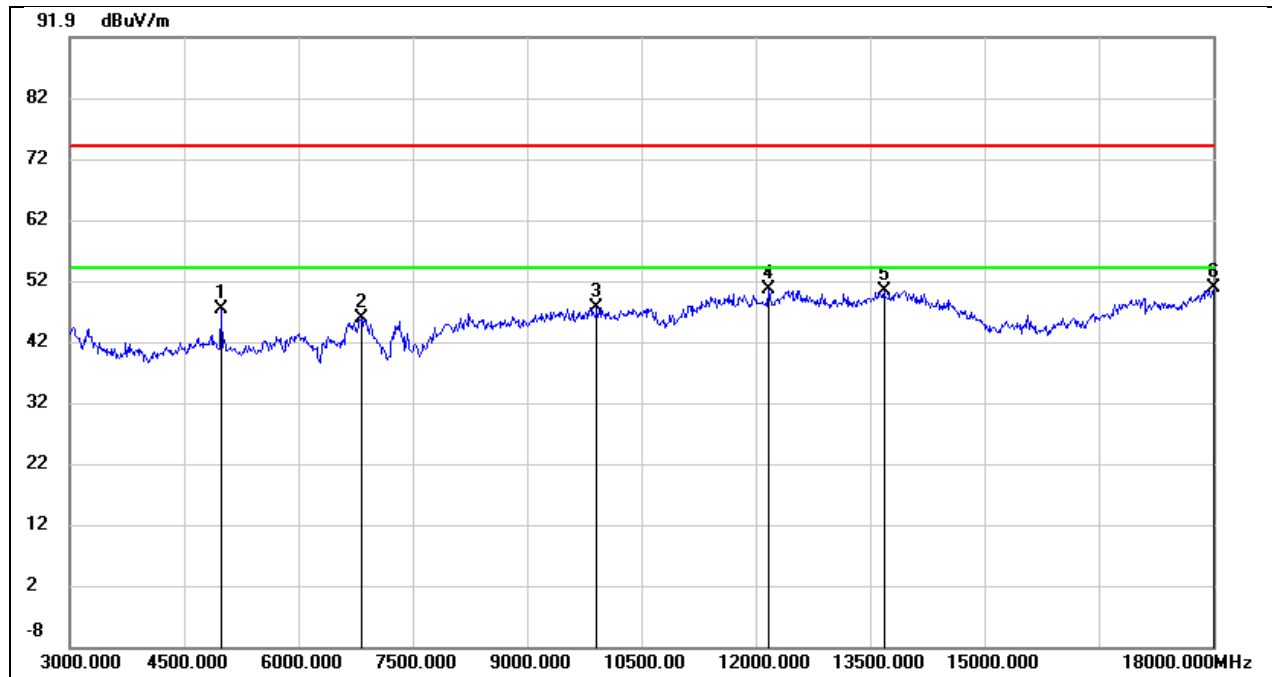
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4980.000	47.26	1.00	48.26	74.00	-25.74	peak
2	6855.000	41.44	6.08	47.52	74.00	-26.48	peak
3	7995.000	39.54	8.12	47.66	74.00	-26.34	peak
4	11355.000	32.55	17.40	49.95	74.00	-24.05	peak
5	13920.000	27.04	23.77	50.81	74.00	-23.19	peak
6	17985.000	21.62	28.41	50.03	74.00	-23.97	peak

Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	AC 120V_60Hz



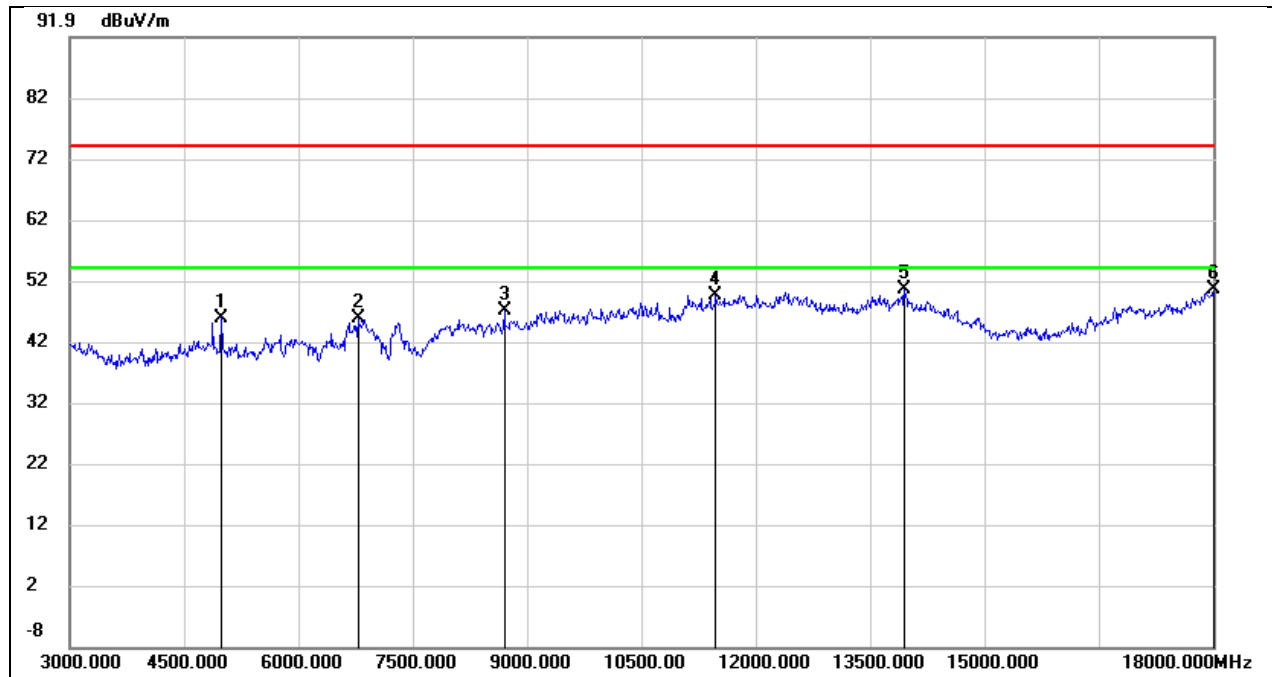
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4995.000	45.74	1.04	46.78	74.00	-27.22	peak
2	7890.000	39.17	7.87	47.04	74.00	-26.96	peak
3	11670.000	31.56	18.11	49.67	74.00	-24.33	peak
4	13755.000	27.65	23.21	50.86	74.00	-23.14	peak
5	16995.000	25.91	23.47	49.38	74.00	-24.62	peak
6	17925.000	22.60	27.87	50.47	74.00	-23.53	peak

Test Mode:	802.11b	Frequency(MHz):	2437
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



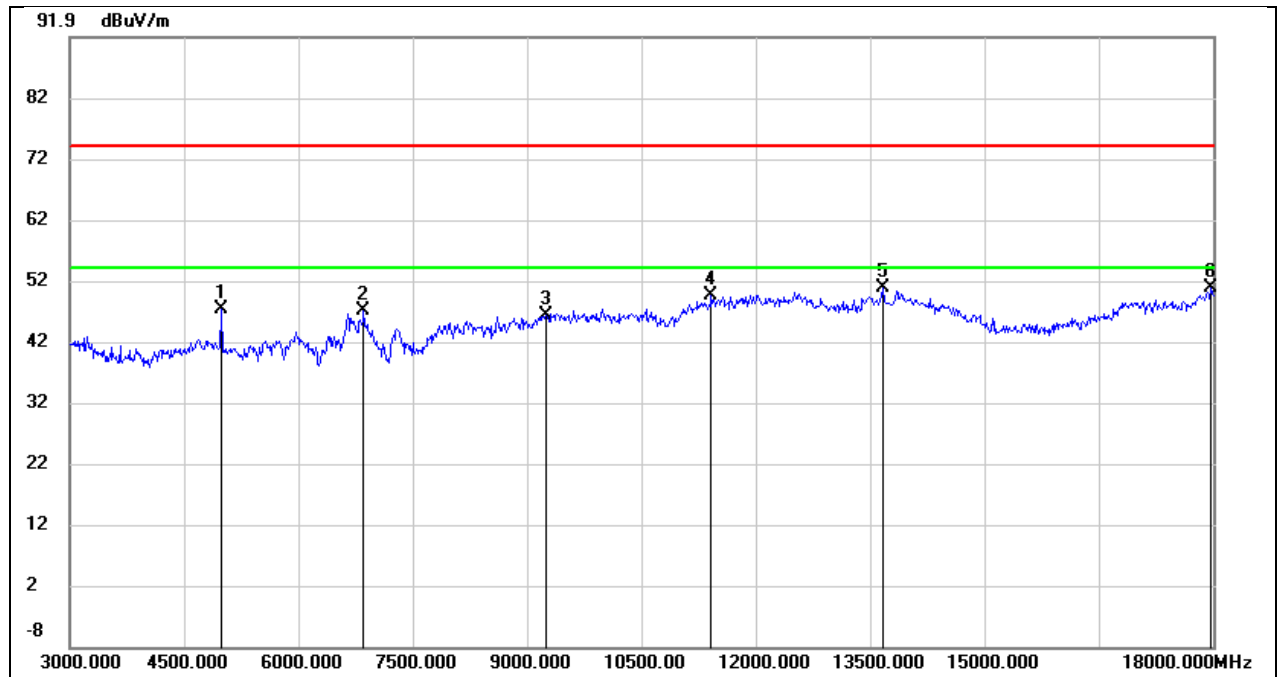
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4980.000	46.20	1.00	47.20	74.00	-26.80	peak
2	6825.000	39.84	6.00	45.84	74.00	-28.16	peak
3	9915.000	34.45	13.20	47.65	74.00	-26.35	peak
4	12165.000	31.43	19.06	50.49	74.00	-23.51	peak
5	13680.000	27.19	23.10	50.29	74.00	-23.71	peak
6	18000.000	22.20	28.54	50.74	74.00	-23.26	peak

Test Mode:	802.11b	Frequency(MHz):	2437
Polarity:	Vertical	Test Voltage:	AC 120V_60Hz



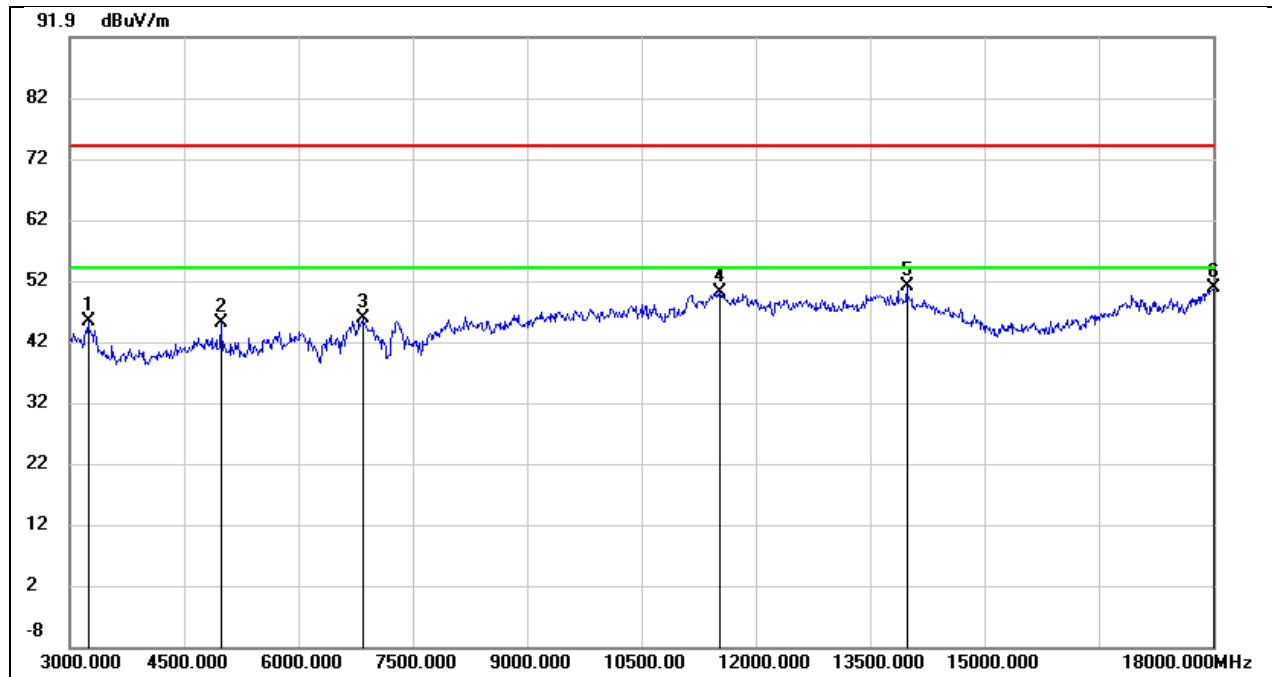
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4980.000	44.90	1.00	45.90	74.00	-28.10	peak
2	6780.000	39.85	5.85	45.70	74.00	-28.30	peak
3	8700.000	37.58	9.39	46.97	74.00	-27.03	peak
4	11475.000	31.96	17.62	49.58	74.00	-24.42	peak
5	13950.000	26.64	23.89	50.53	74.00	-23.47	peak
6	18000.000	22.00	28.54	50.54	74.00	-23.46	peak

Test Mode:	802.11b	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4995.000	46.20	1.04	47.24	74.00	-26.76	peak
2	6855.000	40.93	6.08	47.01	74.00	-26.99	peak
3	9255.000	35.11	11.17	46.28	74.00	-27.72	peak
4	11415.000	32.04	17.48	49.52	74.00	-24.48	peak
5	13665.000	27.57	23.09	50.66	74.00	-23.34	peak
6	17970.000	22.41	28.27	50.68	74.00	-23.32	peak

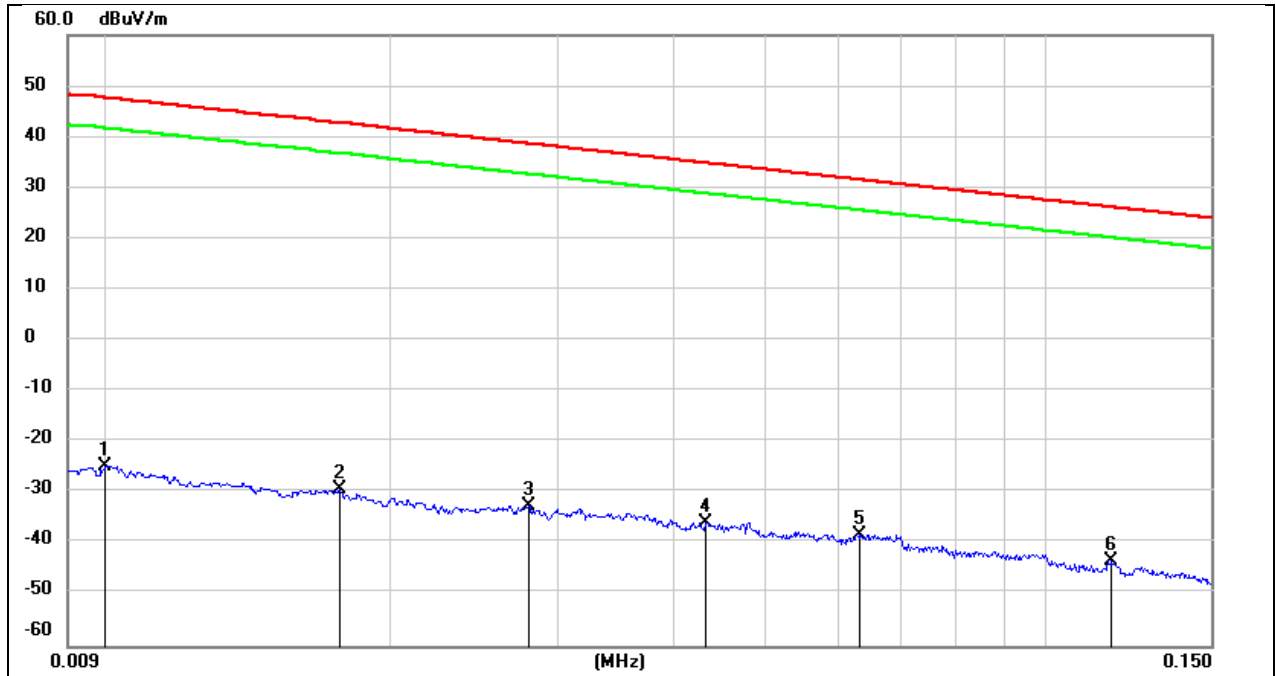
Test Mode:	802.11b	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	AC 120V_60Hz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3240.000	49.60	-4.31	45.29	74.00	-28.71	peak
2	4980.000	43.96	1.00	44.96	74.00	-29.04	peak
3	6840.000	39.81	6.04	45.85	74.00	-28.15	peak
4	11535.000	32.27	17.77	50.04	74.00	-23.96	peak
5	13980.000	26.92	24.01	50.93	74.00	-23.07	peak
6	18000.000	22.31	28.54	50.85	74.00	-23.15	peak

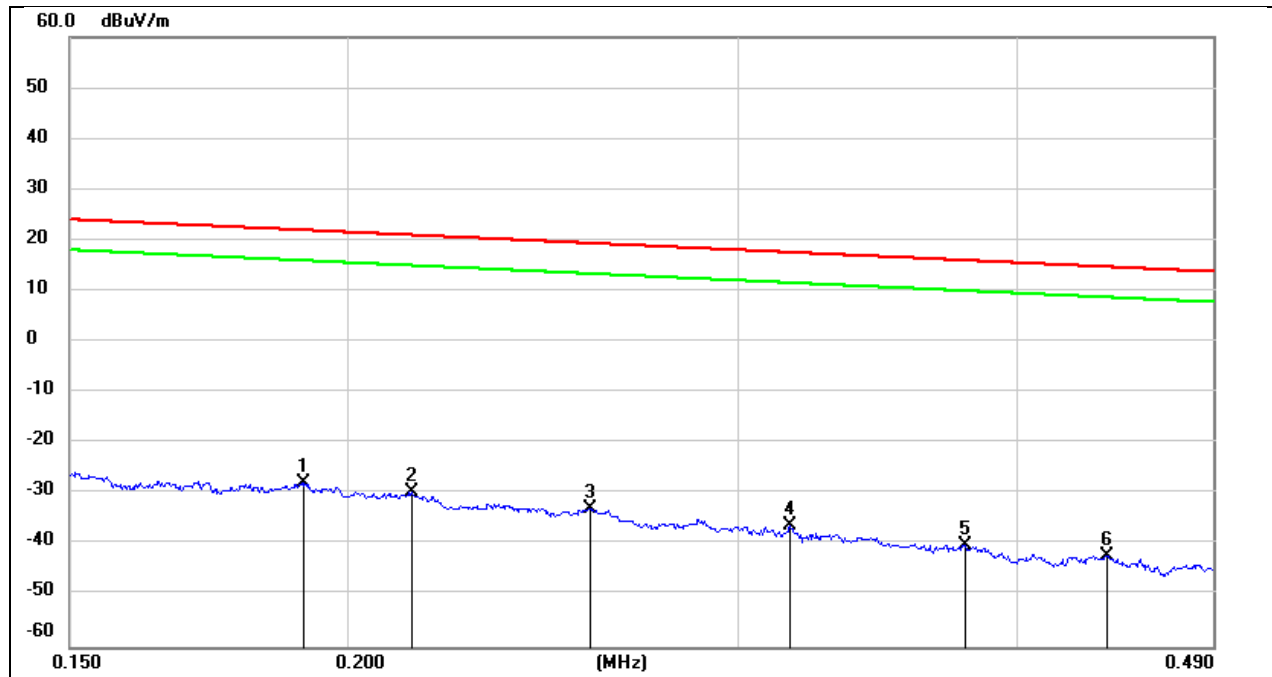
8.4. SPURIOUS EMISSIONS(9 KHZ~30 MHZ)

Test Mode:	802.11b	Frequency(MHz):	2437
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



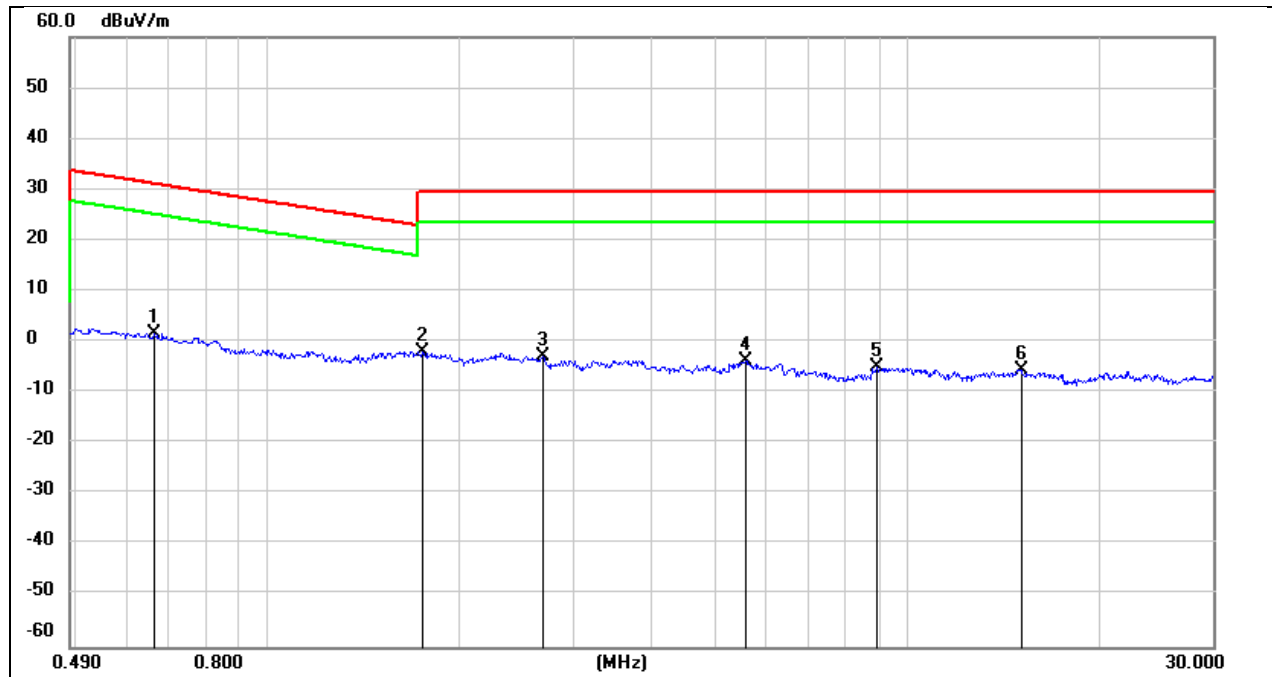
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.0100	76.72	-101.40	-24.68	47.60	-72.28	peak
2	0.0176	71.95	-101.35	-29.40	42.69	-72.09	peak
3	0.0280	68.78	-101.38	-32.60	38.66	-71.26	peak
4	0.0432	65.57	-101.45	-35.88	34.89	-70.77	peak
5	0.0632	63.38	-101.54	-38.16	31.59	-69.75	peak
6	0.1174	58.33	-101.74	-43.41	26.21	-69.62	peak

Test Mode:	802.11b	Frequency(MHz):	2437
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.1912	73.97	-101.70	-27.73	21.97	-49.70	peak
2	0.2139	72.18	-101.74	-29.56	21.00	-50.56	peak
3	0.2570	68.85	-101.80	-32.95	19.40	-52.35	peak
4	0.3163	65.70	-101.87	-36.17	17.60	-53.77	peak
5	0.3790	61.83	-101.94	-40.11	16.03	-56.14	peak
6	0.4393	59.86	-102.01	-42.15	14.75	-56.90	peak

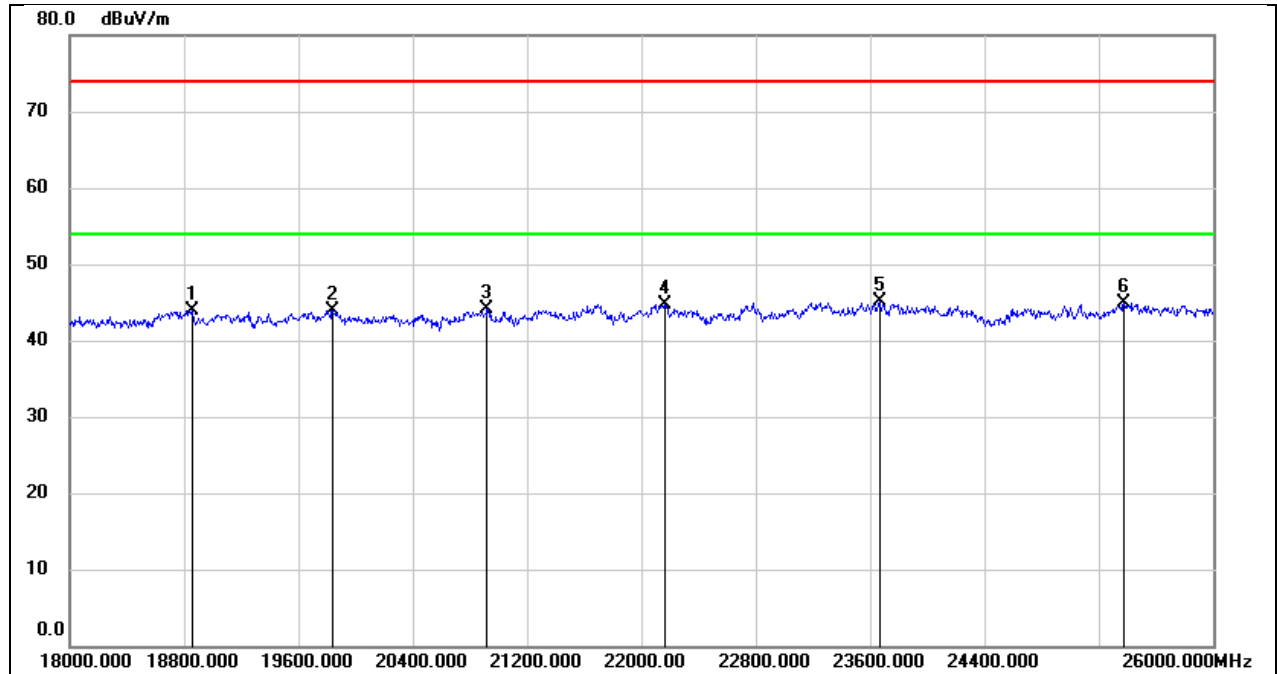
Test Mode:	802.11b	Frequency(MHz):	2437
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.6643	63.79	-62.10	1.69	31.15	-29.46	peak
2	1.7473	60.06	-61.94	-1.88	29.54	-31.42	peak
3	2.6913	58.80	-61.65	-2.85	29.54	-32.39	peak
4	5.5952	57.55	-61.41	-3.86	29.54	-33.40	peak
5	8.9594	55.92	-60.94	-5.02	29.54	-34.56	peak
6	15.0381	55.48	-61.02	-5.54	29.54	-35.08	peak

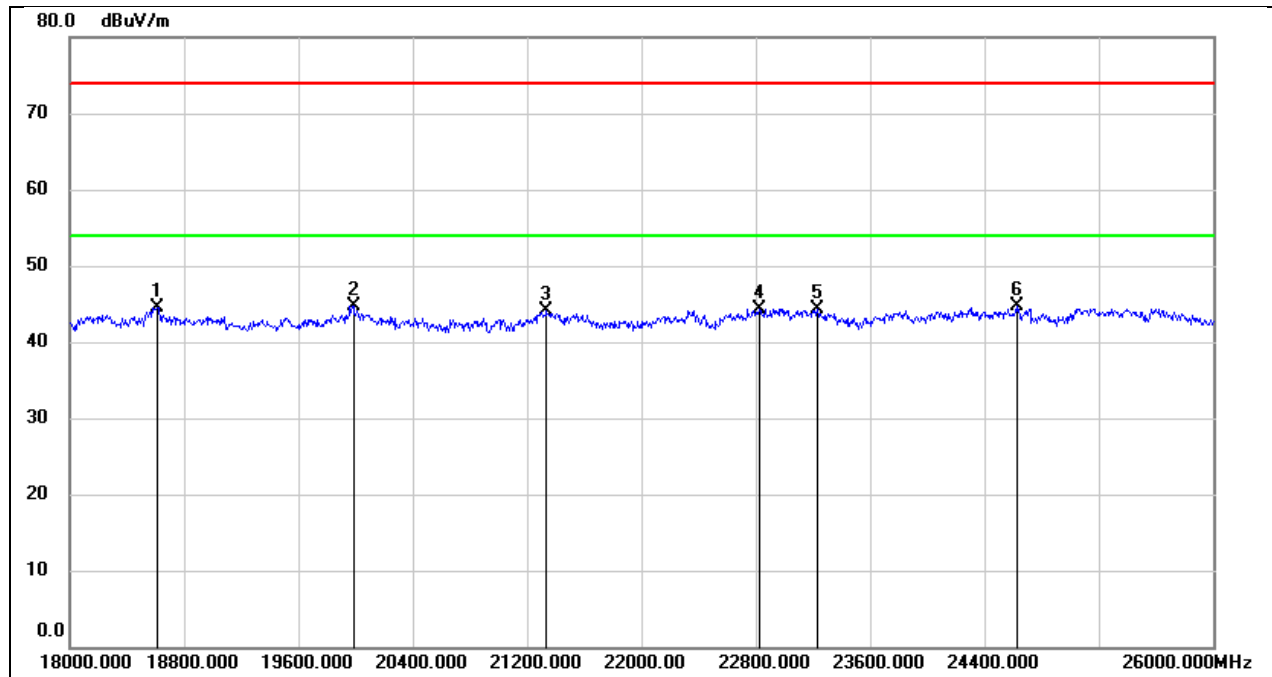
8.5. SPURIOUS EMISSIONS(18 GHZ~26 GHZ)

Test Mode:	802.11b	Frequency(MHz):	2437
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18856.000	49.23	-5.34	43.89	74.00	-30.11	peak
2	19840.000	49.32	-5.32	44.00	74.00	-30.00	peak
3	20920.000	49.08	-4.95	44.13	74.00	-29.87	peak
4	22160.000	49.08	-4.31	44.77	74.00	-29.23	peak
5	23664.000	48.32	-3.18	45.14	74.00	-28.86	peak
6	25376.000	46.61	-1.73	44.88	74.00	-29.12	peak

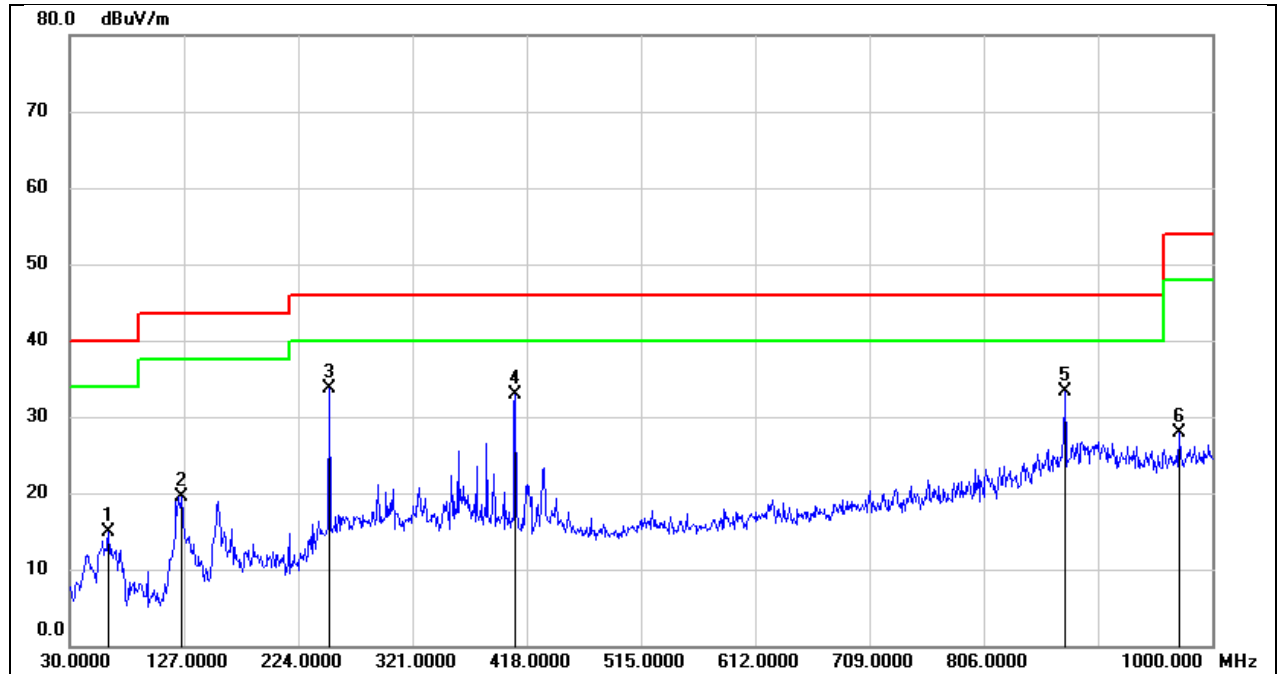
Test Mode:	802.11b	Frequency(MHz):	2437
Polarity:	Vertical	Test Voltage:	AC 120V_60Hz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18616.000	49.89	-5.34	44.55	74.00	-29.45	peak
2	19984.000	50.21	-5.44	44.77	74.00	-29.23	peak
3	21336.000	48.80	-4.74	44.06	74.00	-29.94	peak
4	22824.000	47.92	-3.62	44.30	74.00	-29.70	peak
5	23232.000	47.60	-3.37	44.23	74.00	-29.77	peak
6	24624.000	46.99	-2.33	44.66	74.00	-29.34	peak

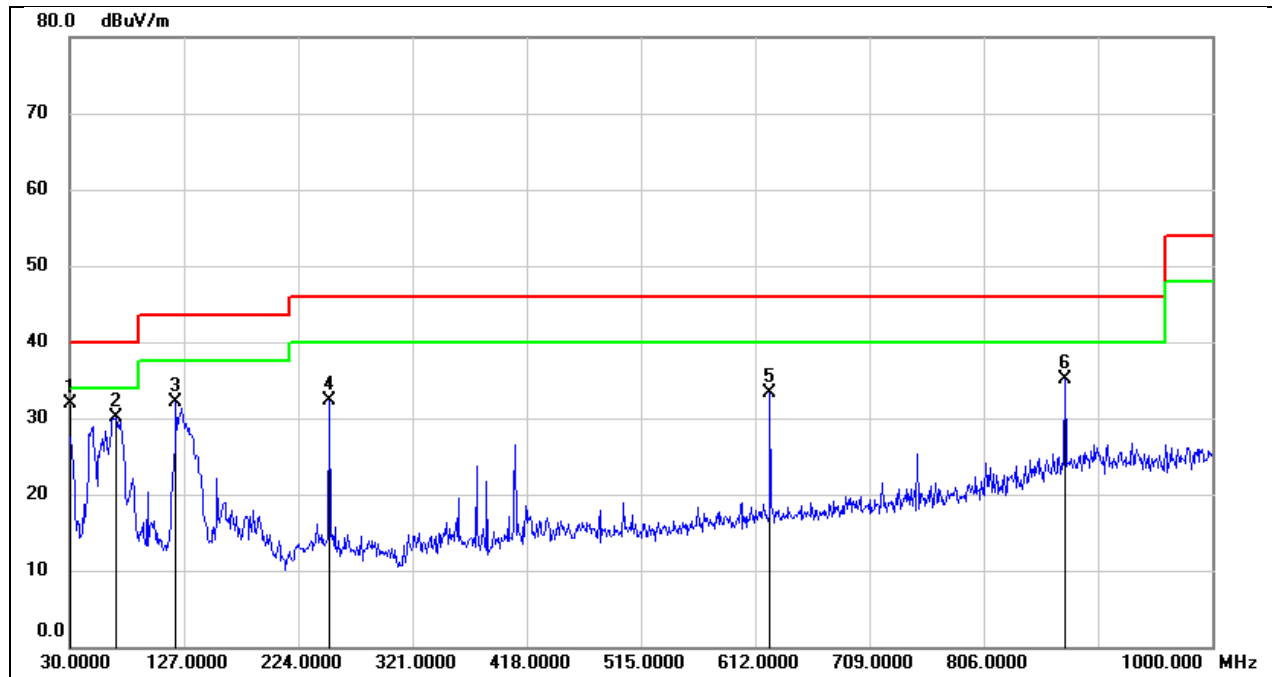
8.6. SPURIOUS EMISSIONS(30 MHZ~1 GHZ)

Test Mode:	802.11b	Frequency(MHz):	2437
Polarity:	Horizontal	Test Voltage:	AC120V_60Hz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	62.9800	29.87	-15.03	14.84	40.00	-25.16	peak
2	125.0600	34.13	-14.56	19.57	43.50	-23.93	peak
3	250.1900	48.22	-14.56	33.66	46.00	-12.34	peak
4	408.3000	42.26	-9.36	32.90	46.00	-13.10	peak
5	874.8700	34.15	-0.87	33.28	46.00	-12.72	peak
6	971.8700	28.53	-0.53	28.00	54.00	-26.00	peak

Test Mode:	802.11b	Frequency(MHz):	2437
Polarity:	Vertical	Test Voltage:	AC120V_60Hz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	30.0000	46.18	-14.24	31.94	40.00	-8.06	peak
2	69.7699	45.46	-15.31	30.15	40.00	-9.85	peak
3	120.2100	46.81	-14.70	32.11	43.50	-11.39	peak
4	250.1900	46.84	-14.56	32.28	46.00	-13.72	peak
5	624.6100	39.01	-5.67	33.34	46.00	-12.66	peak
6	874.8700	35.93	-0.87	35.06	46.00	-10.94	peak

9. ANTENNA REQUIREMENT

REQUIREMENT

Please refer to FCC part 15.203

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

Please refer to FCC part 15.247(b)(4)

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

DESCRIPTION

Pass

10. AC POWER LINE CONDUCTED EMISSION

LIMITS

Please refer to CFR 47 FCC §15.207 (a).

FREQUENCY (MHz)	Quasi-peak	Average
0.15 -0.5	66 - 56 *	56 - 46 *
0.50 -5.0	56.00	46.00
5.0 -30.0	60.00	50.00

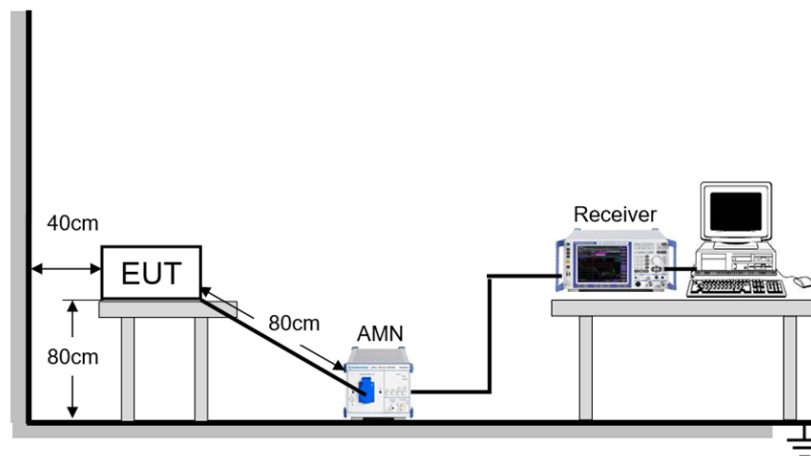
*Decreases with the logarithm of the frequency.

TEST PROCEDURE

The EUT is put on a table of non-conducting material that is 80 cm high. The vertical conducting wall of shielding is located 40 cm to the rear of the EUT. The power line of the EUT is connected to the AC mains through a Artificial Mains Network (A.M.N.). A EMI Measurement Receiver (R&S Test Receiver ESR3) is used to test the emissions from both sides of AC line. According to the requirements in Section 6.2 of ANSI C63.10-2020. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-Peak and average detector mode. The bandwidth of EMI test receiver is set at 9 kHz.

The arrangement of the equipment is installed to meet the standards and operating in a manner, which tends to maximize its emission characteristics in a normal application.

TEST SETUP



TEST ENVIRONMENT

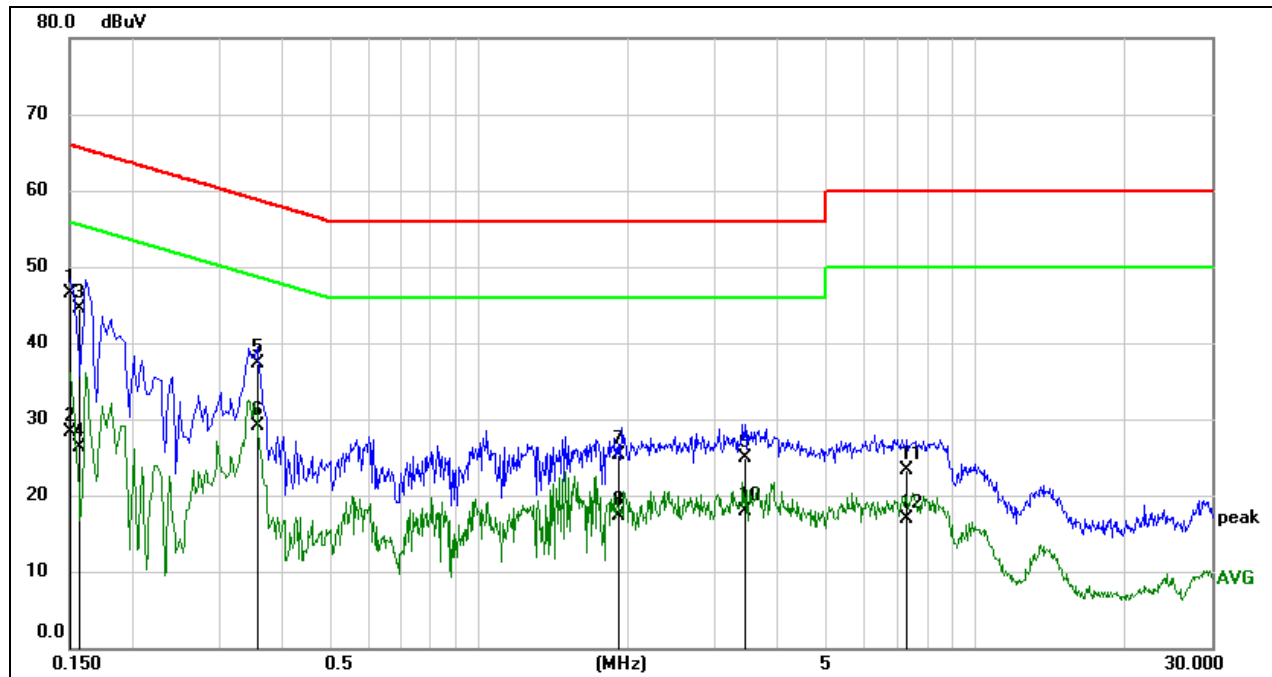
Temperature	24°C	Relative Humidity	53%
Atmosphere Pressure	101kPa	Test Voltage	AC 120V_60Hz

TEST DATE / ENGINEER

Test Date	November 21, 2025	Test By	Deacon Tan
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TEST RESULTS

Test Mode:	802.11b	Frequency(MHz):	2437
Line:	Line		



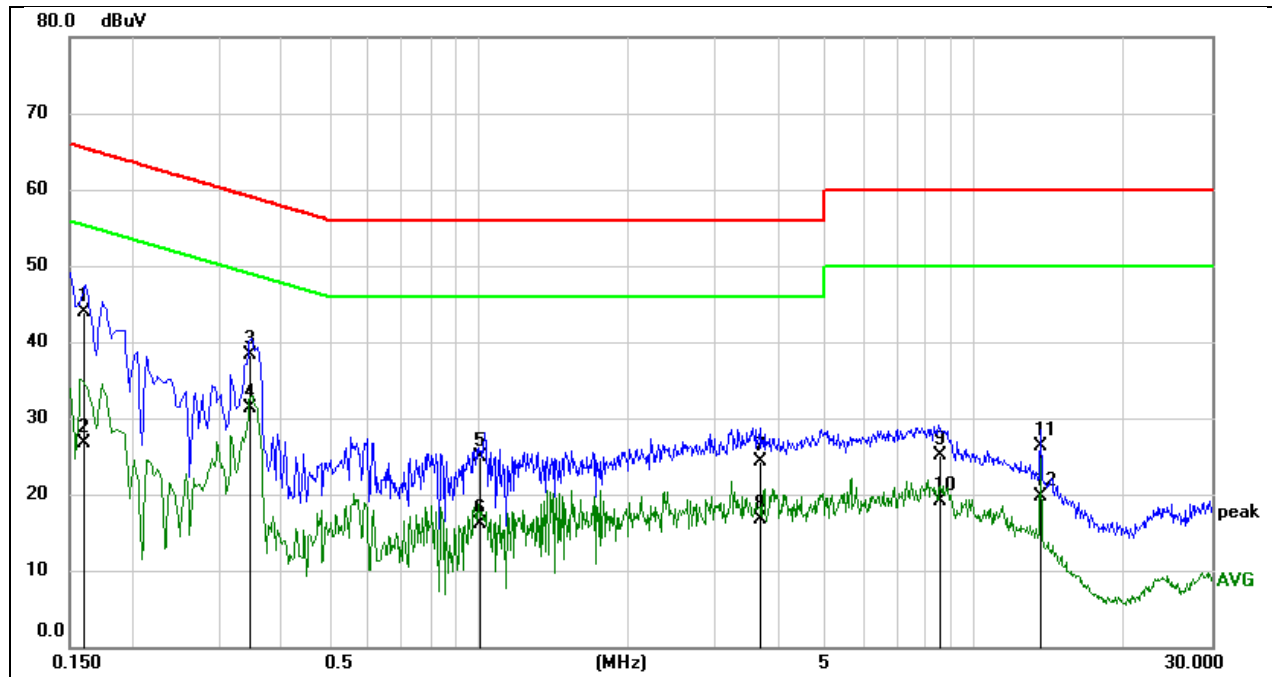
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1505	36.78	9.74	46.52	65.97	-19.45	QP
2	0.1505	18.53	9.74	28.27	55.97	-27.70	AVG
3	0.1575	34.71	9.72	44.43	65.59	-21.16	QP
4	0.1575	16.52	9.72	26.24	55.59	-29.35	AVG
5	0.3571	27.64	9.64	37.28	58.80	-21.52	QP
6	0.3571	19.40	9.64	29.04	48.80	-19.76	AVG
7	1.9247	15.50	9.73	25.23	56.00	-30.77	QP
8	1.9247	7.58	9.73	17.31	46.00	-28.69	AVG
9	3.4483	15.27	9.73	25.00	56.00	-31.00	QP
10	3.4483	8.24	9.73	17.97	46.00	-28.03	AVG
11	7.3450	13.52	9.73	23.25	60.00	-36.75	QP
12	7.3450	7.12	9.73	16.85	50.00	-33.15	AVG

Note:

1. Result = Reading + Correct Factor.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz ~ 150 kHz), 9 kHz (150 kHz ~ 30 MHz).
4. Step size: 80 Hz (0.009 MHz ~ 0.15 MHz), 4 kHz (0.15 MHz ~ 30 MHz), Scan time: auto.

Note: All the modes have been tested, only the worst data was recorded in the report.

Test Mode:	802.11b	Frequency(MHz):	2437
Line:	Neutral		



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1602	34.34	9.64	43.98	65.45	-21.47	QP
2	0.1602	17.02	9.64	26.66	55.45	-28.79	AVG
3	0.3463	28.59	9.64	38.23	59.05	-20.82	QP
4	0.3463	21.66	9.64	31.30	49.05	-17.75	AVG
5	1.0090	15.29	9.63	24.92	56.00	-31.08	QP
6	1.0090	6.57	9.63	16.20	46.00	-29.80	AVG
7	3.6949	14.59	9.63	24.22	56.00	-31.78	QP
8	3.6949	7.14	9.63	16.77	46.00	-29.23	AVG
9	8.5090	15.37	9.73	25.10	60.00	-34.90	QP
10	8.5090	9.44	9.73	19.17	50.00	-30.83	AVG
11	13.5599	16.61	9.74	26.35	60.00	-33.65	QP
12	13.5599	9.94	9.74	19.68	50.00	-30.32	AVG

Note:

1. Result = Reading + Correct Factor.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz ~ 150 kHz), 9 kHz (150 kHz ~ 30 MHz).
4. Step size: 80 Hz (0.009 MHz ~ 0.15 MHz), 4 kHz (0.15 MHz ~ 30 MHz), Scan time: auto.

Note: All the modes have been tested, only the worst data was recorded in the report.

11. TEST DATA

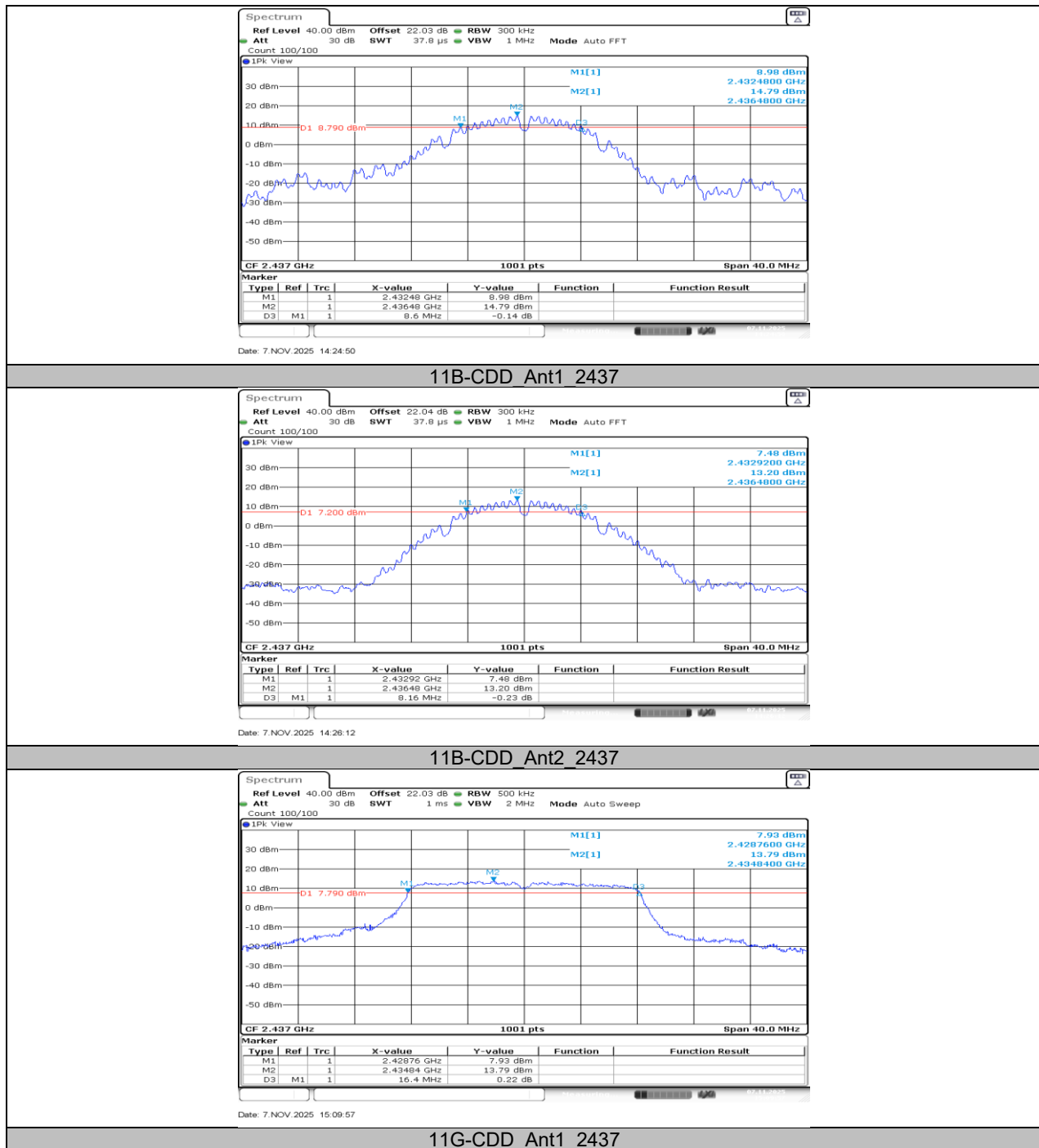
11.1. APPENDIX A: DTS BANDWIDTH

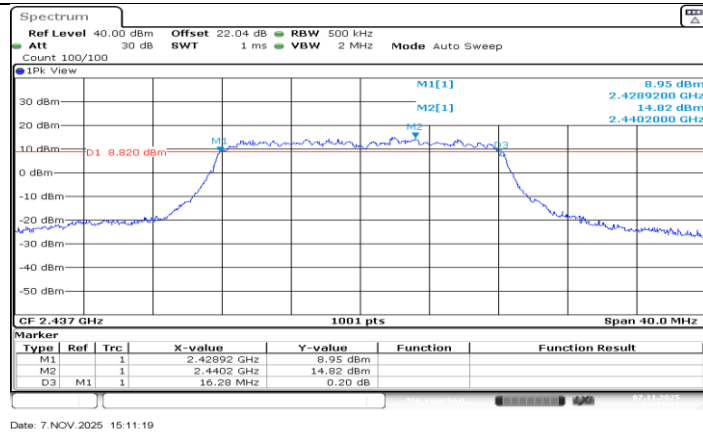
11.1.1. Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B-CDD	Ant1	2412	8.12	2407.92	2416.04	≥0.5	PASS
	Ant2	2412	8.12	2407.92	2416.04	≥0.5	PASS
	Ant1	2437	8.60	2432.48	2441.08	≥0.5	PASS
	Ant2	2437	8.16	2432.92	2441.08	≥0.5	PASS
	Ant1	2457	8.16	2452.92	2461.08	≥0.5	PASS
	Ant2	2457	8.16	2452.92	2461.08	≥0.5	PASS
	Ant1	2462	8.16	2457.92	2466.08	≥0.5	PASS
11G-CDD	Ant2	2462	8.16	2457.92	2466.08	≥0.5	PASS
	Ant1	2412	16.40	2403.84	2420.24	≥0.5	PASS
	Ant2	2412	16.24	2403.92	2420.16	≥0.5	PASS
	Ant1	2417	16.44	2408.80	2425.24	≥0.5	PASS
	Ant2	2417	16.28	2408.84	2425.12	≥0.5	PASS
	Ant1	2437	16.40	2428.76	2445.16	≥0.5	PASS
	Ant2	2437	16.28	2428.92	2445.20	≥0.5	PASS
	Ant1	2452	16.44	2443.80	2460.24	≥0.5	PASS
	Ant2	2452	16.32	2443.84	2460.16	≥0.5	PASS
	Ant1	2457	16.48	2448.80	2465.28	≥0.5	PASS
	Ant2	2457	16.32	2448.88	2465.20	≥0.5	PASS
11N20MIMO	Ant1	2462	16.40	2453.84	2470.24	≥0.5	PASS
	Ant2	2462	16.32	2453.88	2470.20	≥0.5	PASS
	Ant1	2412	17.56	2403.24	2420.80	≥0.5	PASS
	Ant2	2412	17.12	2403.56	2420.68	≥0.5	PASS
	Ant1	2417	17.60	2408.24	2425.84	≥0.5	PASS
	Ant2	2417	17.52	2408.24	2425.76	≥0.5	PASS
	Ant1	2437	17.56	2428.16	2445.72	≥0.5	PASS
	Ant2	2437	17.60	2428.24	2445.84	≥0.5	PASS
	Ant1	2457	17.52	2448.28	2465.80	≥0.5	PASS
11N40MIMO	Ant2	2457	17.56	2448.24	2465.80	≥0.5	PASS
	Ant1	2462	17.40	2453.36	2470.76	≥0.5	PASS
	Ant2	2462	17.52	2453.20	2470.72	≥0.5	PASS
	Ant1	2422	36.16	2403.92	2440.08	≥0.5	PASS
	Ant2	2422	35.92	2404.08	2440.00	≥0.5	PASS
	Ant1	2427	36.32	2408.84	2445.16	≥0.5	PASS
	Ant2	2427	36.08	2409.00	2445.08	≥0.5	PASS
	Ant1	2437	36.00	2418.92	2454.92	≥0.5	PASS
	Ant2	2437	36.32	2418.84	2455.16	≥0.5	PASS
	Ant1	2447	36.08	2428.92	2465.00	≥0.5	PASS
	Ant2	2447	36.24	2428.92	2465.16	≥0.5	PASS
11AX20MIMO	Ant1	2452	36.00	2433.92	2469.92	≥0.5	PASS
	Ant2	2452	36.16	2433.92	2470.08	≥0.5	PASS
	Ant1	2412	18.96	2402.52	2421.48	≥0.5	PASS
	Ant2	2412	18.76	2402.64	2421.40	≥0.5	PASS
	Ant1	2417	18.76	2407.68	2426.44	≥0.5	PASS
	Ant2	2417	18.80	2407.60	2426.40	≥0.5	PASS
	Ant1	2437	18.68	2427.68	2446.36	≥0.5	PASS
	Ant2	2437	18.92	2427.52	2446.44	≥0.5	PASS
	Ant1	2452	18.88	2442.56	2461.44	≥0.5	PASS
	Ant2	2452	18.92	2442.56	2461.48	≥0.5	PASS
	Ant1	2457	19.00	2447.56	2466.56	≥0.5	PASS
11AX20MIMO	Ant2	2457	18.84	2447.60	2466.44	≥0.5	PASS
	Ant1	2462	18.80	2452.60	2471.40	≥0.5	PASS
	Ant2	2462	18.88	2452.56	2471.44	≥0.5	PASS

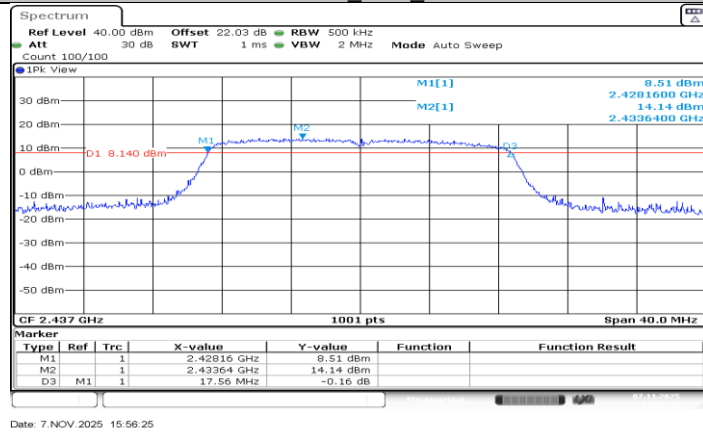
11AX40MIMO	Ant1	2422	37.92	2403.04	2440.96	≥ 0.5	PASS
	Ant2	2422	37.84	2403.12	2440.96	≥ 0.5	PASS
	Ant1	2437	37.92	2418.04	2455.96	≥ 0.5	PASS
	Ant2	2437	37.92	2418.04	2455.96	≥ 0.5	PASS
	Ant1	2452	37.84	2433.12	2470.96	≥ 0.5	PASS
	Ant2	2452	37.84	2433.12	2470.96	≥ 0.5	PASS

11.1.2. Test Graphs

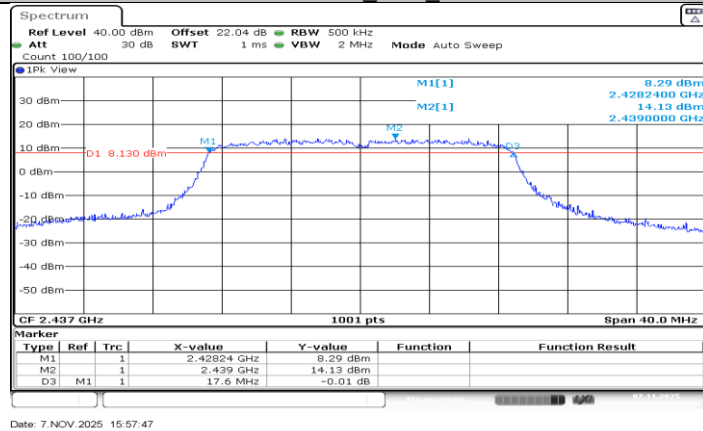




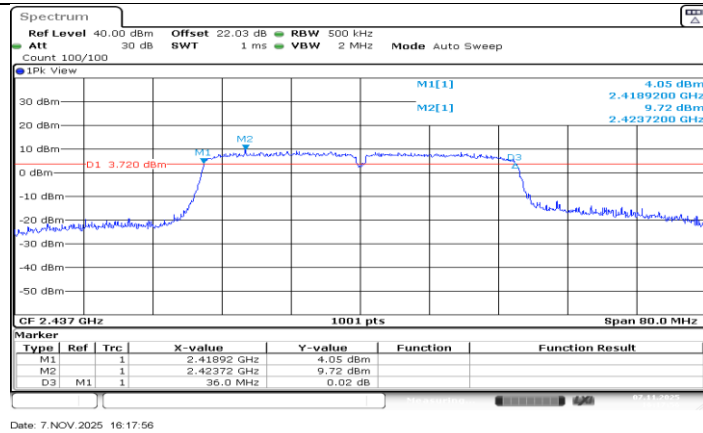
11G-CDD_Ant2_2437



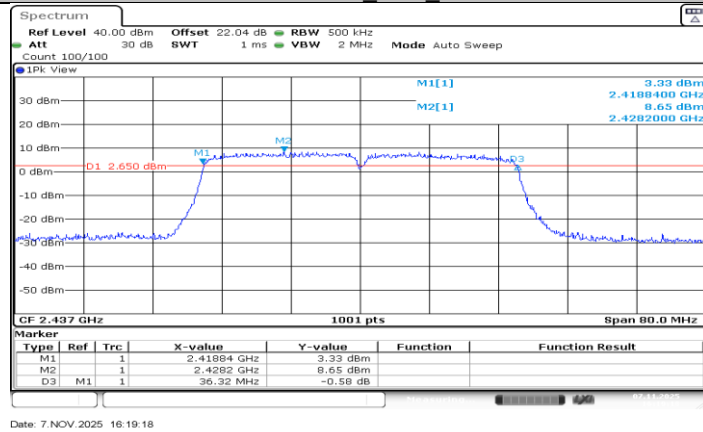
11N20MIMO_Ant1_2437



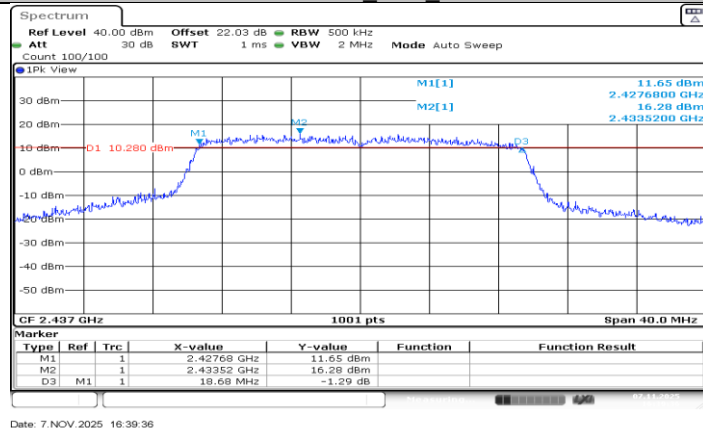
11N20MIMO_Ant2_2437



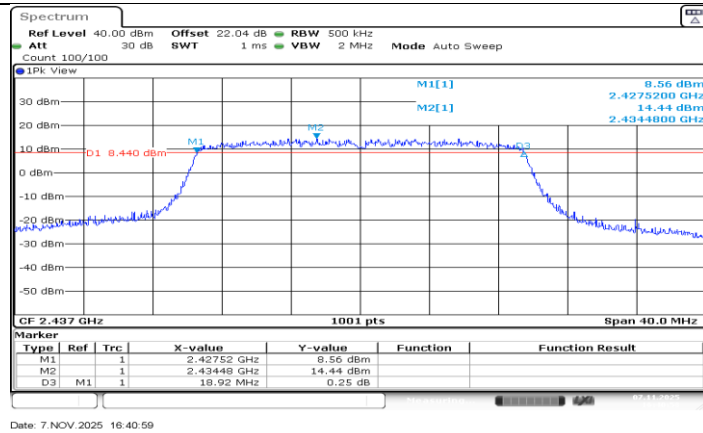
11N40MIMO_Ant1_2437



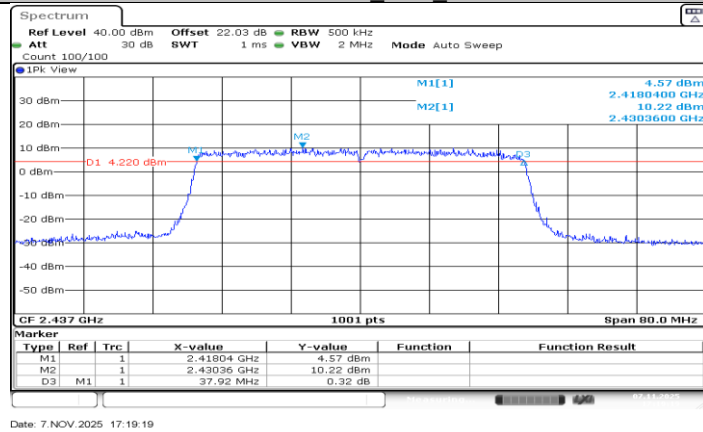
11N40MIMO_Ant2_2437



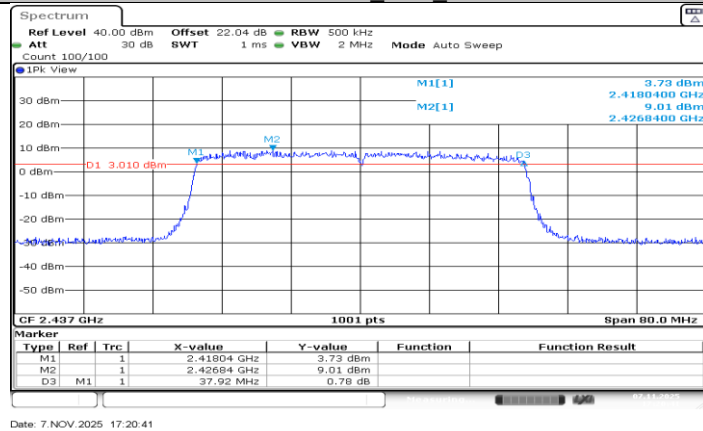
11AX20MIMO_Ant1_2437



11AX20MIMO_Ant2_2437



11AX40MIMO_Ant1_2437



11AX40MIMO_Ant2_2437

Note: Only Mid channel plot is reported to show setting parameter compliance with testing method/procedure.

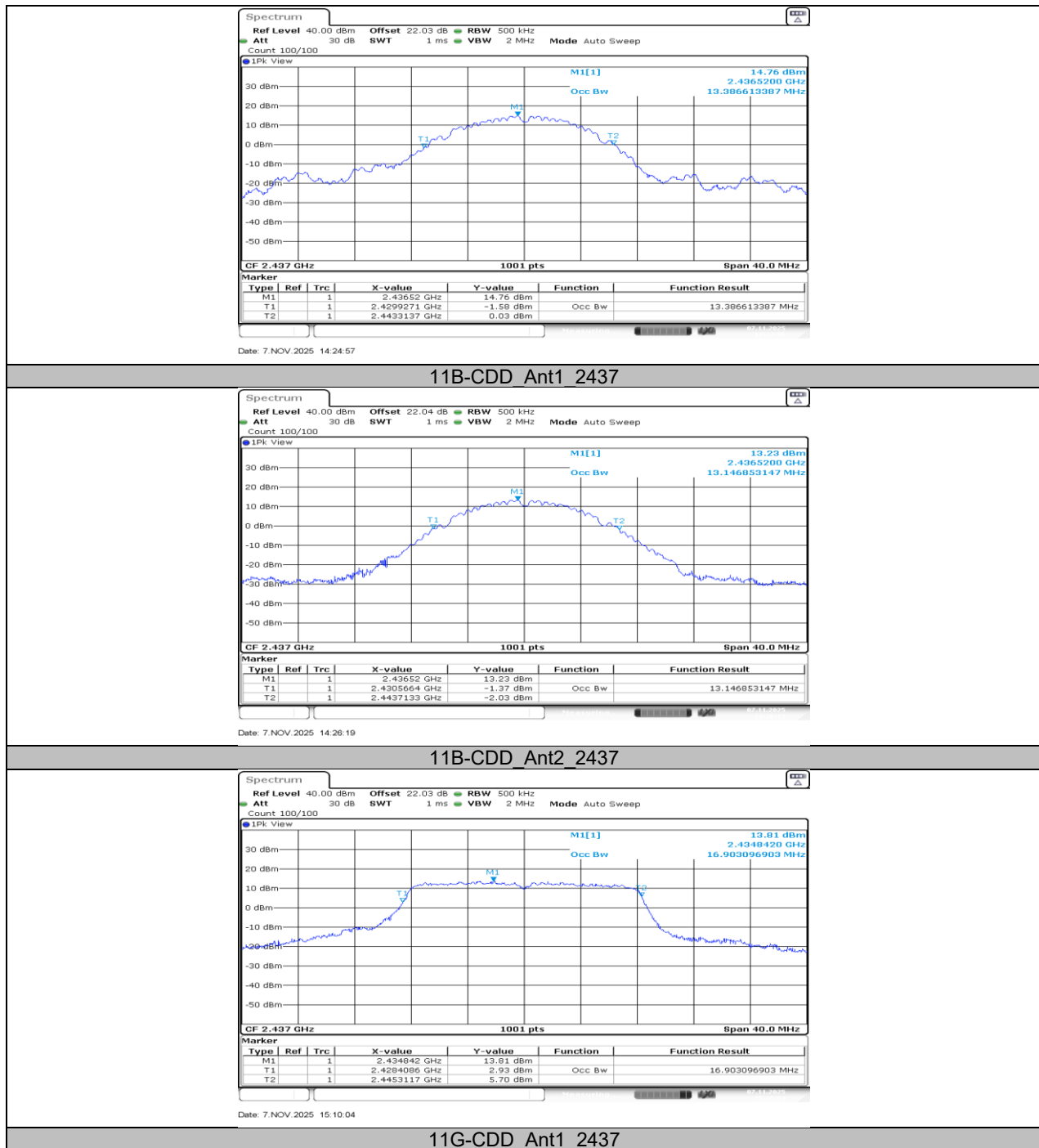
11.2. APPENDIX B: OCCUPIED CHANNEL BANDWIDTH

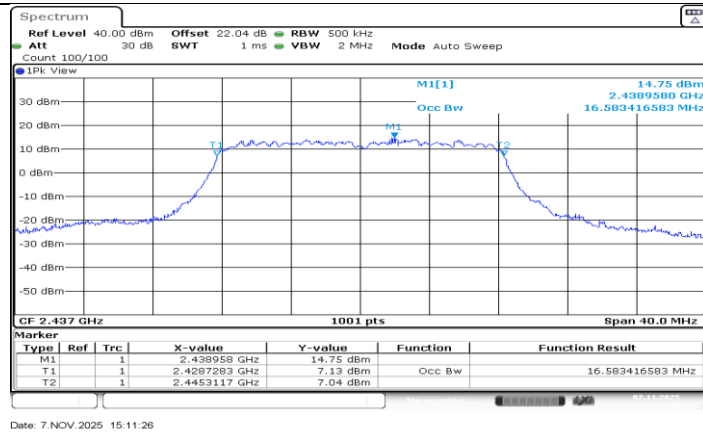
11.2.1. Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Verdict
11B-CDD	Ant1	2412	12.787	2405.7662	2418.5534	PASS
	Ant2	2412	12.987	2405.6863	2418.6733	PASS
	Ant1	2437	13.387	2429.9271	2443.3137	PASS
	Ant2	2437	13.147	2430.5664	2443.7133	PASS
	Ant1	2457	12.947	2450.6464	2463.5934	PASS
	Ant2	2457	13.067	2450.5664	2463.6334	PASS
	Ant1	2462	13.067	2455.5664	2468.6334	PASS
	Ant2	2462	13.107	2455.5265	2468.6334	PASS
11G-CDD	Ant1	2412	16.663	2403.6883	2420.3516	PASS
	Ant2	2412	16.543	2403.7682	2420.3117	PASS
	Ant1	2417	16.703	2408.6883	2425.3916	PASS
	Ant2	2417	16.623	2408.6883	2425.3117	PASS
	Ant1	2437	16.903	2428.4086	2445.3117	PASS
	Ant2	2437	16.583	2428.7283	2445.3117	PASS
	Ant1	2452	16.663	2443.6883	2460.3516	PASS
	Ant2	2452	16.623	2443.6883	2460.3117	PASS
	Ant1	2457	16.663	2448.7283	2465.3916	PASS
	Ant2	2457	16.583	2448.7283	2465.3117	PASS
	Ant1	2462	16.623	2453.7283	2470.3516	PASS
	Ant2	2462	16.583	2453.7283	2470.3117	PASS
11N20MIMO	Ant1	2412	17.822	2403.0889	2420.9111	PASS
	Ant2	2412	17.742	2403.1688	2420.9111	PASS
	Ant1	2417	17.822	2408.1289	2425.9510	PASS
	Ant2	2417	17.782	2408.1289	2425.9111	PASS
	Ant1	2437	17.942	2427.9690	2445.9111	PASS
	Ant2	2437	17.782	2428.1289	2445.9111	PASS
	Ant1	2457	17.822	2448.1289	2465.9510	PASS
	Ant2	2457	17.782	2448.1289	2465.9111	PASS
	Ant1	2462	17.782	2453.1688	2470.9510	PASS
	Ant2	2462	17.782	2453.1289	2470.9111	PASS
11N40MIMO	Ant1	2422	36.204	2403.9381	2440.1419	PASS
	Ant2	2422	36.124	2404.0180	2440.1419	PASS
	Ant1	2427	36.284	2408.8581	2445.1419	PASS
	Ant2	2427	36.204	2408.9381	2445.1419	PASS
	Ant1	2437	36.204	2418.8581	2455.0619	PASS
	Ant2	2437	36.284	2418.8581	2455.1419	PASS
	Ant1	2447	36.284	2428.8581	2465.1419	PASS
	Ant2	2447	36.284	2428.8581	2465.1419	PASS
	Ant1	2452	36.204	2433.8581	2470.0619	PASS
	Ant2	2452	36.124	2433.9381	2470.0619	PASS
11AX20MIMO	Ant1	2412	19.021	2402.4895	2421.5105	PASS
	Ant2	2412	19.021	2402.5295	2421.5504	PASS
	Ant1	2417	19.021	2407.5295	2426.5504	PASS
	Ant2	2417	19.021	2407.4895	2426.5105	PASS
	Ant1	2437	19.101	2427.4096	2446.5105	PASS
	Ant2	2437	19.021	2427.5295	2446.5504	PASS
	Ant1	2452	19.061	2442.4895	2461.5504	PASS
	Ant2	2452	19.021	2442.4895	2461.5105	PASS
	Ant1	2457	19.061	2447.5295	2466.5904	PASS
	Ant2	2457	19.021	2447.5295	2466.5504	PASS
	Ant1	2462	19.021	2452.5295	2471.5504	PASS
	Ant2	2462	19.021	2452.4895	2471.5105	PASS
11AX40MIMO	Ant1	2422	37.962	2403.0589	2441.0210	PASS

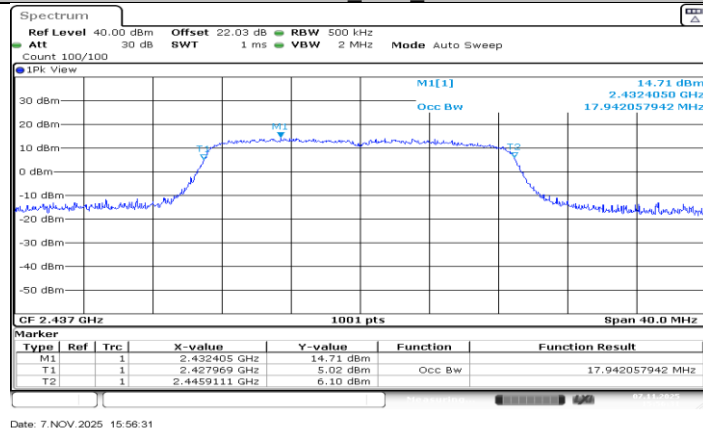
	Ant2	2422	37.882	2403.1389	2441.0210	PASS
	Ant1	2437	37.882	2418.0589	2455.9411	PASS
	Ant2	2437	37.962	2418.0589	2456.0210	PASS
	Ant1	2452	37.882	2433.0589	2470.9411	PASS
	Ant2	2452	37.882	2433.0589	2470.9411	PASS

11.2.2. Test Graphs

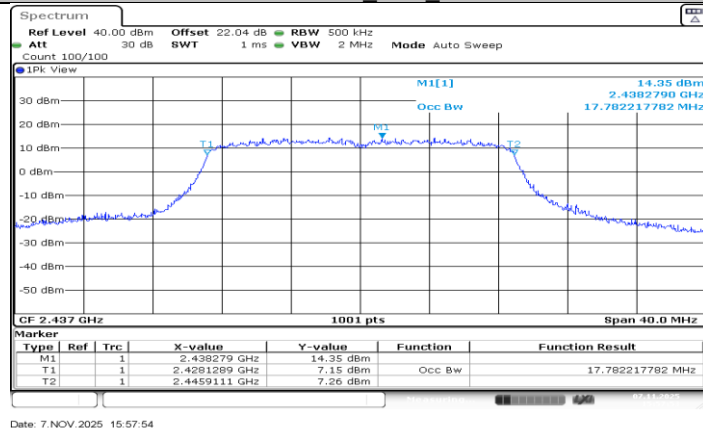




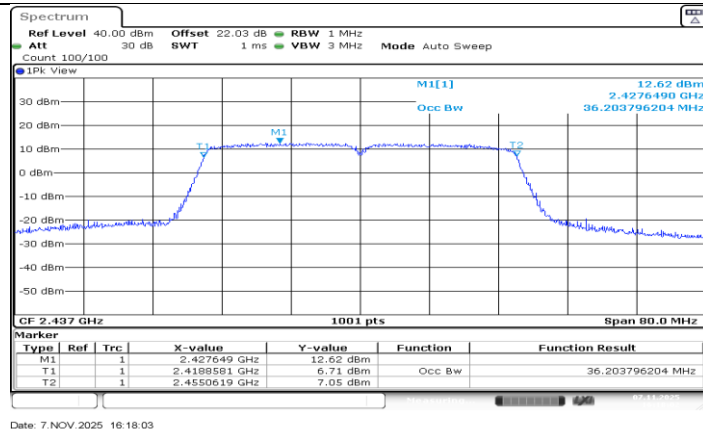
11G-CDD_Ant2_2437



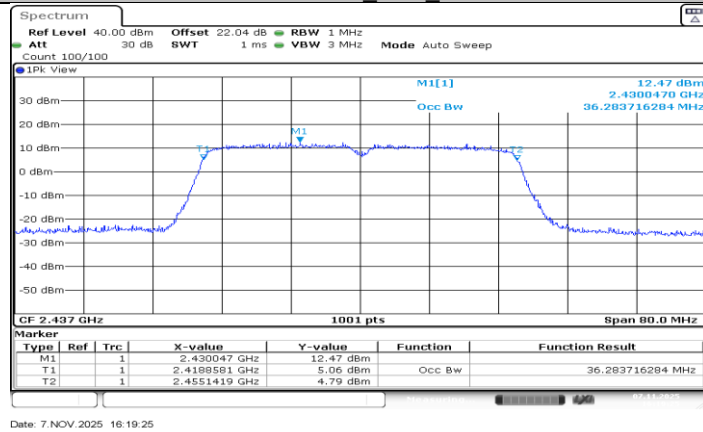
11N20MIMO_Ant1_2437



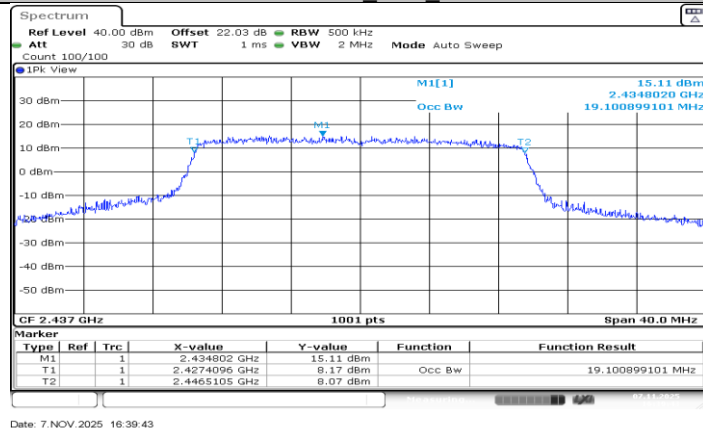
11N20MIMO_Ant2_2437



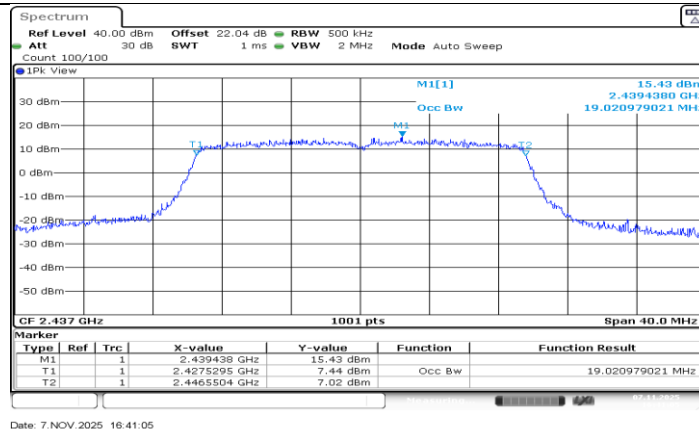
11N40MIMO_Ant1_2437



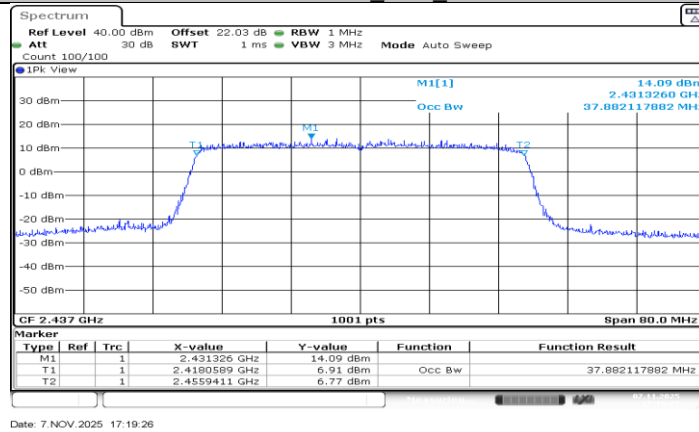
11N40MIMO_Ant2_2437



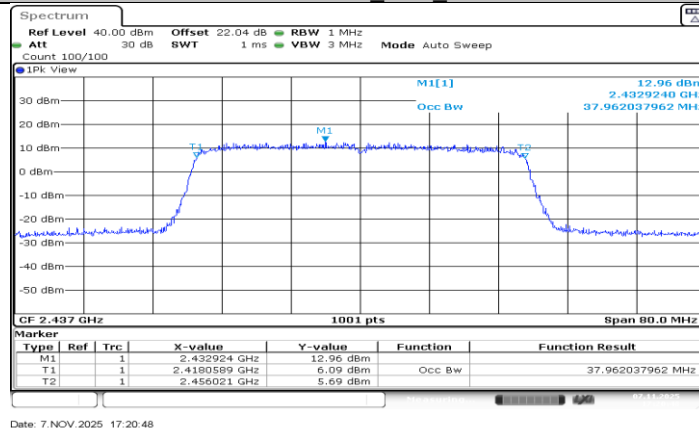
11AX20MIMO_Ant1_2437



11AX20MIMO_Ant2_2437



11AX40MIMO_Ant1_2437



11AX40MIMO_Ant2_2437

Note: Only Mid channel plot is reported to show setting parameter compliance with testing method/procedure.

11.3. APPENDIX C: MAXIMUM CONDUCTED OUTPUT POWER

11.3.1. Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11B-CDD	Ant1	2412	20.21	≤30.00	PASS
	Ant2	2412	19.31	≤30.00	PASS
	total	2412	22.79	≤30.00	PASS
	Ant1	2437	21.94	≤30.00	PASS
	Ant2	2437	20.37	≤30.00	PASS
	total	2437	24.24	≤30.00	PASS
	Ant1	2457	20.52	≤30.00	PASS
	Ant2	2457	19.73	≤30.00	PASS
	total	2457	23.15	≤30.00	PASS
	Ant1	2462	19.66	≤30.00	PASS
	Ant2	2462	19.03	≤30.00	PASS
	total	2462	22.37	≤30.00	PASS
11G-CDD	Ant1	2412	16.10	≤30.00	PASS
	Ant2	2412	15.46	≤30.00	PASS
	total	2412	18.80	≤30.00	PASS
	Ant1	2417	17.91	≤30.00	PASS
	Ant2	2417	17.22	≤30.00	PASS
	total	2417	20.59	≤30.00	PASS
	Ant1	2437	19.05	≤30.00	PASS
	Ant2	2437	18.47	≤30.00	PASS
	total	2437	21.78	≤30.00	PASS
	Ant1	2452	18.55	≤30.00	PASS
	Ant2	2452	17.76	≤30.00	PASS
	total	2452	21.18	≤30.00	PASS
	Ant1	2457	17.69	≤30.00	PASS
	Ant2	2457	16.96	≤30.00	PASS
	total	2457	20.35	≤30.00	PASS
	Ant1	2462	15.48	≤30.00	PASS
	Ant2	2462	15.01	≤30.00	PASS
	total	2462	18.26	≤30.00	PASS
11N20MIMO	Ant1	2412	15.80	≤30.00	PASS
	Ant2	2412	14.98	≤30.00	PASS
	total	2412	18.42	≤30.00	PASS
	Ant1	2417	18.18	≤30.00	PASS
	Ant2	2417	17.38	≤30.00	PASS
	total	2417	20.81	≤30.00	PASS
	Ant1	2437	19.43	≤30.00	PASS
	Ant2	2437	18.77	≤30.00	PASS
	total	2437	22.12	≤30.00	PASS
	Ant1	2457	18.39	≤30.00	PASS
	Ant2	2457	17.67	≤30.00	PASS
	total	2457	21.06	≤30.00	PASS
	Ant1	2462	15.69	≤30.00	PASS
	Ant2	2462	15.15	≤30.00	PASS
	total	2462	18.44	≤30.00	PASS
11N40MIMO	Ant1	2422	15.02	≤30.00	PASS
	Ant2	2422	14.72	≤30.00	PASS
	total	2422	17.88	≤30.00	PASS
	Ant1	2427	16.53	≤30.00	PASS
	Ant2	2427	15.75	≤30.00	PASS
	total	2427	19.17	≤30.00	PASS
	Ant1	2437	17.38	≤30.00	PASS
	Ant2	2437	16.23	≤30.00	PASS

	total	2437	19.85	≤30.00	PASS
	Ant1	2447	16.76	≤30.00	PASS
	Ant2	2447	16.06	≤30.00	PASS
	total	2447	19.43	≤30.00	PASS
	Ant1	2452	15.52	≤30.00	PASS
	Ant2	2452	14.99	≤30.00	PASS
	total	2452	18.27	≤30.00	PASS
11AX20MIMO	Ant1	2412	14.68	≤30.00	PASS
	Ant2	2412	14.13	≤30.00	PASS
	total	2412	17.42	≤30.00	PASS
	Ant1	2417	17.70	≤30.00	PASS
	Ant2	2417	17.03	≤30.00	PASS
	total	2417	20.39	≤30.00	PASS
	Ant1	2437	18.45	≤30.00	PASS
	Ant2	2437	17.87	≤30.00	PASS
	total	2437	21.18	≤30.00	PASS
	Ant1	2452	17.71	≤30.00	PASS
	Ant2	2452	16.93	≤30.00	PASS
	total	2452	20.35	≤30.00	PASS
	Ant1	2457	16.84	≤30.00	PASS
	Ant2	2457	16.16	≤30.00	PASS
	total	2457	19.52	≤30.00	PASS
	Ant1	2462	14.21	≤30.00	PASS
	Ant2	2462	13.73	≤30.00	PASS
	total	2462	16.99	≤30.00	PASS
11AX40MIMO	Ant1	2422	15.11	≤30.00	PASS
	Ant2	2422	14.85	≤30.00	PASS
	total	2422	17.99	≤30.00	PASS
	Ant1	2437	16.45	≤30.00	PASS
	Ant2	2437	15.53	≤30.00	PASS
	total	2437	19.02	≤30.00	PASS
	Ant1	2452	14.70	≤30.00	PASS
	Ant2	2452	14.25	≤30.00	PASS
	total	2452	17.49	≤30.00	PASS

Note: 1. Conducted Power=Meas. Level+ Correction Factor

2. The Duty Cycle Factor (refer to section 7.5) had already compensated to the test data.

11.4. APPENDIX D: MAXIMUM POWER SPECTRAL DENSITY

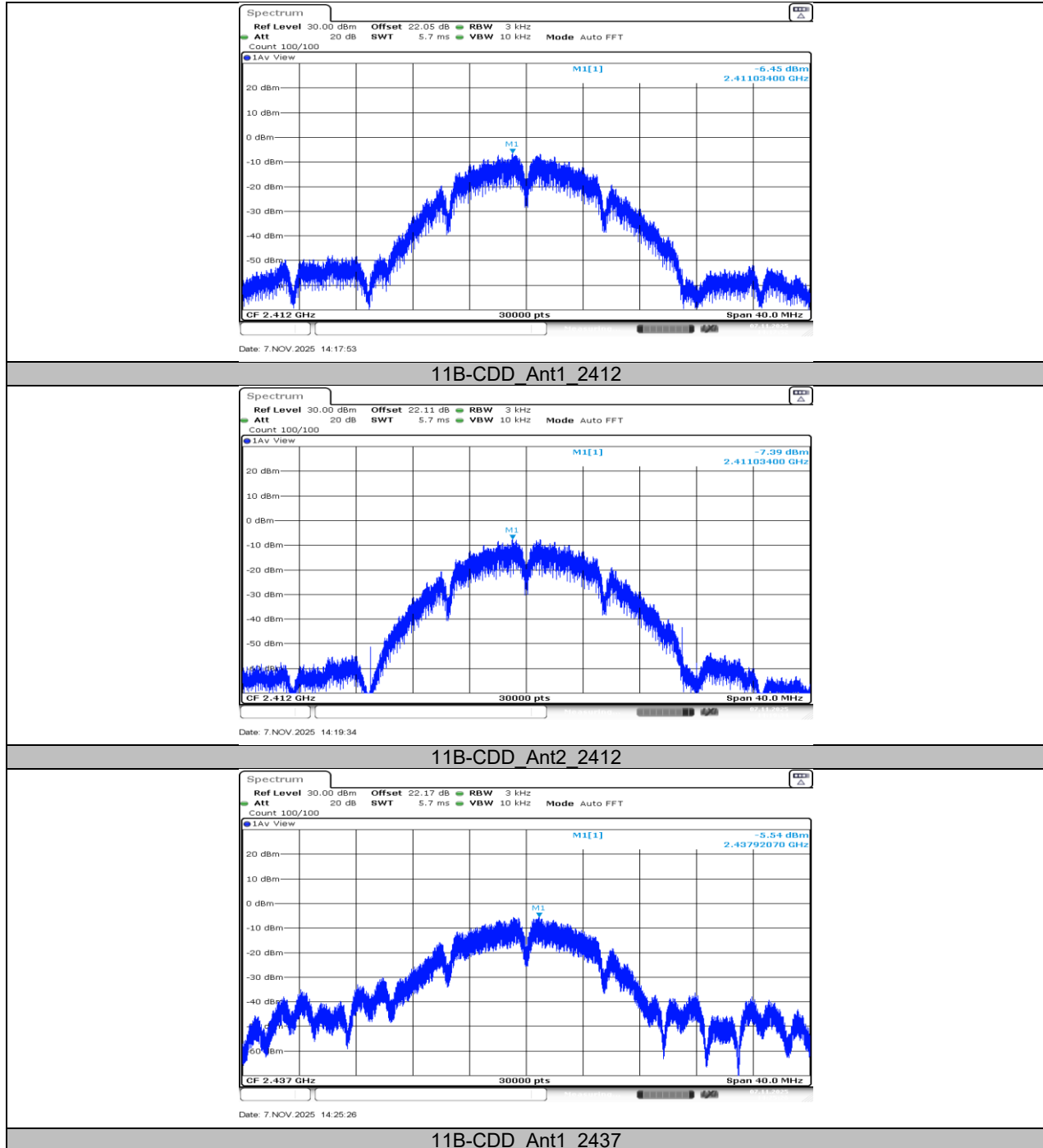
11.4.1. Test Result

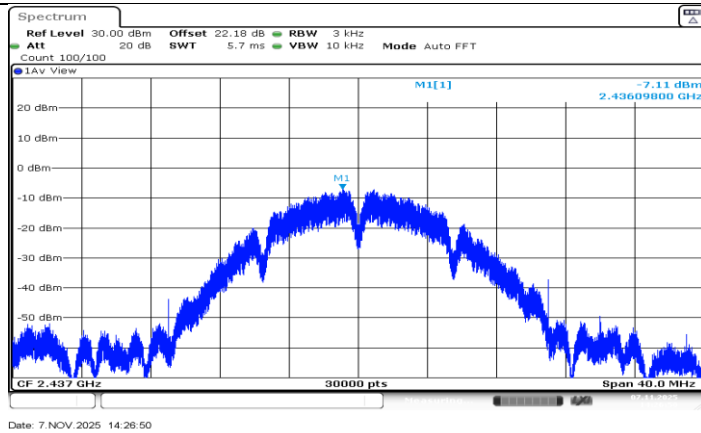
Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B-CDD	Ant1	2412	-6.45	≤8.00	PASS
	Ant2	2412	-7.39	≤8.00	PASS
	total	2412	-3.88	≤8.00	PASS
	Ant1	2437	-5.54	≤8.00	PASS
	Ant2	2437	-7.11	≤8.00	PASS
	total	2437	-3.24	≤8.00	PASS
	Ant1	2457	-5.85	≤8.00	PASS
	Ant2	2457	-6.40	≤8.00	PASS
	total	2457	-3.11	≤8.00	PASS
	Ant1	2462	-6.51	≤8.00	PASS
	Ant2	2462	-7.07	≤8.00	PASS
	total	2462	-3.77	≤8.00	PASS
11G-CDD	Ant1	2412	-15.59	≤8.00	PASS
	Ant2	2412	-15.97	≤8.00	PASS
	total	2412	-12.77	≤8.00	PASS
	Ant1	2417	-13.79	≤8.00	PASS
	Ant2	2417	-14.29	≤8.00	PASS
	total	2417	-11.02	≤8.00	PASS
	Ant1	2437	-12.25	≤8.00	PASS
	Ant2	2437	-13.01	≤8.00	PASS
	total	2437	-9.60	≤8.00	PASS
	Ant1	2452	-13.25	≤8.00	PASS
	Ant2	2452	-13.53	≤8.00	PASS
	total	2452	-10.38	≤8.00	PASS
	Ant1	2457	-14.14	≤8.00	PASS
	Ant2	2457	-14.58	≤8.00	PASS
	total	2457	-11.34	≤8.00	PASS
	Ant1	2462	-16.31	≤8.00	PASS
	Ant2	2462	-16.45	≤8.00	PASS
	total	2462	-13.37	≤8.00	PASS
11N20MIMO	Ant1	2412	-18.36	≤8.00	PASS
	Ant2	2412	-19.01	≤8.00	PASS
	total	2412	-15.66	≤8.00	PASS
	Ant1	2417	-15.73	≤8.00	PASS
	Ant2	2417	-16.60	≤8.00	PASS
	total	2417	-13.13	≤8.00	PASS
	Ant1	2437	-14.17	≤8.00	PASS
	Ant2	2437	-15.00	≤8.00	PASS
	total	2437	-11.55	≤8.00	PASS
	Ant1	2457	-15.58	≤8.00	PASS
	Ant2	2457	-16.26	≤8.00	PASS
	total	2457	-12.90	≤8.00	PASS
	Ant1	2462	-17.88	≤8.00	PASS
	Ant2	2462	-18.76	≤8.00	PASS
	total	2462	-15.29	≤8.00	PASS
11N40MIMO	Ant1	2422	-21.92	≤8.00	PASS
	Ant2	2422	-22.17	≤8.00	PASS
	total	2422	-19.03	≤8.00	PASS
	Ant1	2427	-20.64	≤8.00	PASS
	Ant2	2427	-21.00	≤8.00	PASS
	total	2427	-17.81	≤8.00	PASS
	Ant1	2437	-19.76	≤8.00	PASS
	Ant2	2437	-20.89	≤8.00	PASS

	total	2437	-17.28	≤8.00	PASS
	Ant1	2447	-19.90	≤8.00	PASS
	Ant2	2447	-20.90	≤8.00	PASS
	total	2447	-17.36	≤8.00	PASS
	Ant1	2452	-21.09	≤8.00	PASS
	Ant2	2452	-21.51	≤8.00	PASS
	total	2452	-18.28	≤8.00	PASS
11AX20MIMO	Ant1	2412	-19.82	≤8.00	PASS
	Ant2	2412	-20.27	≤8.00	PASS
	total	2412	-17.03	≤8.00	PASS
	Ant1	2417	-17.12	≤8.00	PASS
	Ant2	2417	-18.05	≤8.00	PASS
	total	2417	-14.55	≤8.00	PASS
	Ant1	2437	-16.38	≤8.00	PASS
	Ant2	2437	-16.85	≤8.00	PASS
	total	2437	-13.60	≤8.00	PASS
	Ant1	2452	-17.10	≤8.00	PASS
	Ant2	2452	-18.12	≤8.00	PASS
	total	2452	-14.57	≤8.00	PASS
	Ant1	2457	-17.61	≤8.00	PASS
	Ant2	2457	-18.25	≤8.00	PASS
	total	2457	-14.91	≤8.00	PASS
	Ant1	2462	-20.61	≤8.00	PASS
	Ant2	2462	-20.41	≤8.00	PASS
	total	2462	-17.50	≤8.00	PASS
11AX40MIMO	Ant1	2422	-23.15	≤8.00	PASS
	Ant2	2422	-23.18	≤8.00	PASS
	total	2422	-20.15	≤8.00	PASS
	Ant1	2437	-21.37	≤8.00	PASS
	Ant2	2437	-22.41	≤8.00	PASS
	total	2437	-18.85	≤8.00	PASS
	Ant1	2452	-23.30	≤8.00	PASS
	Ant2	2452	-23.70	≤8.00	PASS
	total	2452	-20.49	≤8.00	PASS

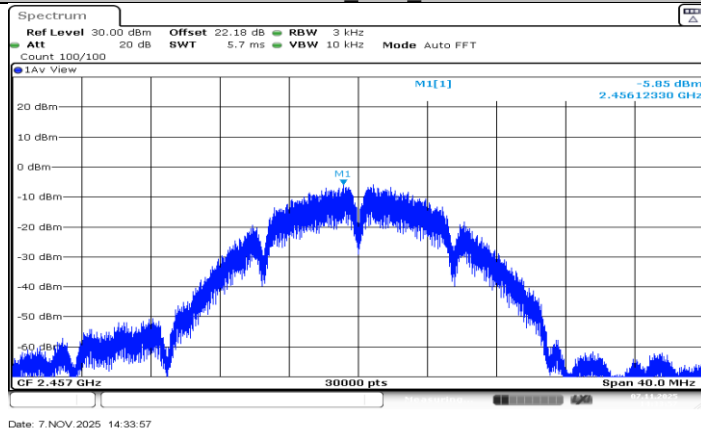
Note: 1. The Duty Cycle Factor (refer to section 7.5) had already compensated to the test data.

11.4.2. Test Graphs

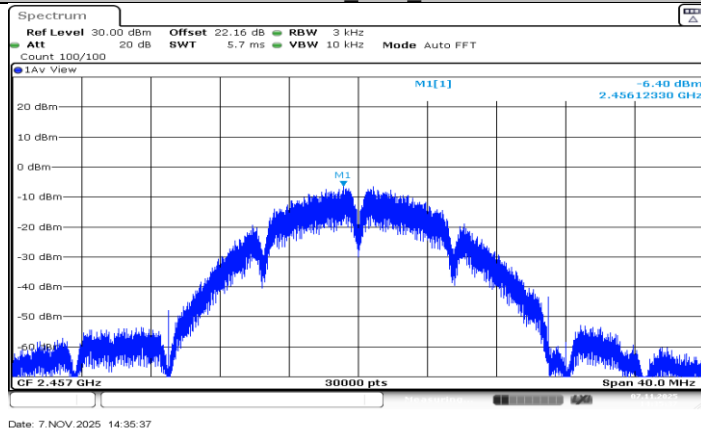




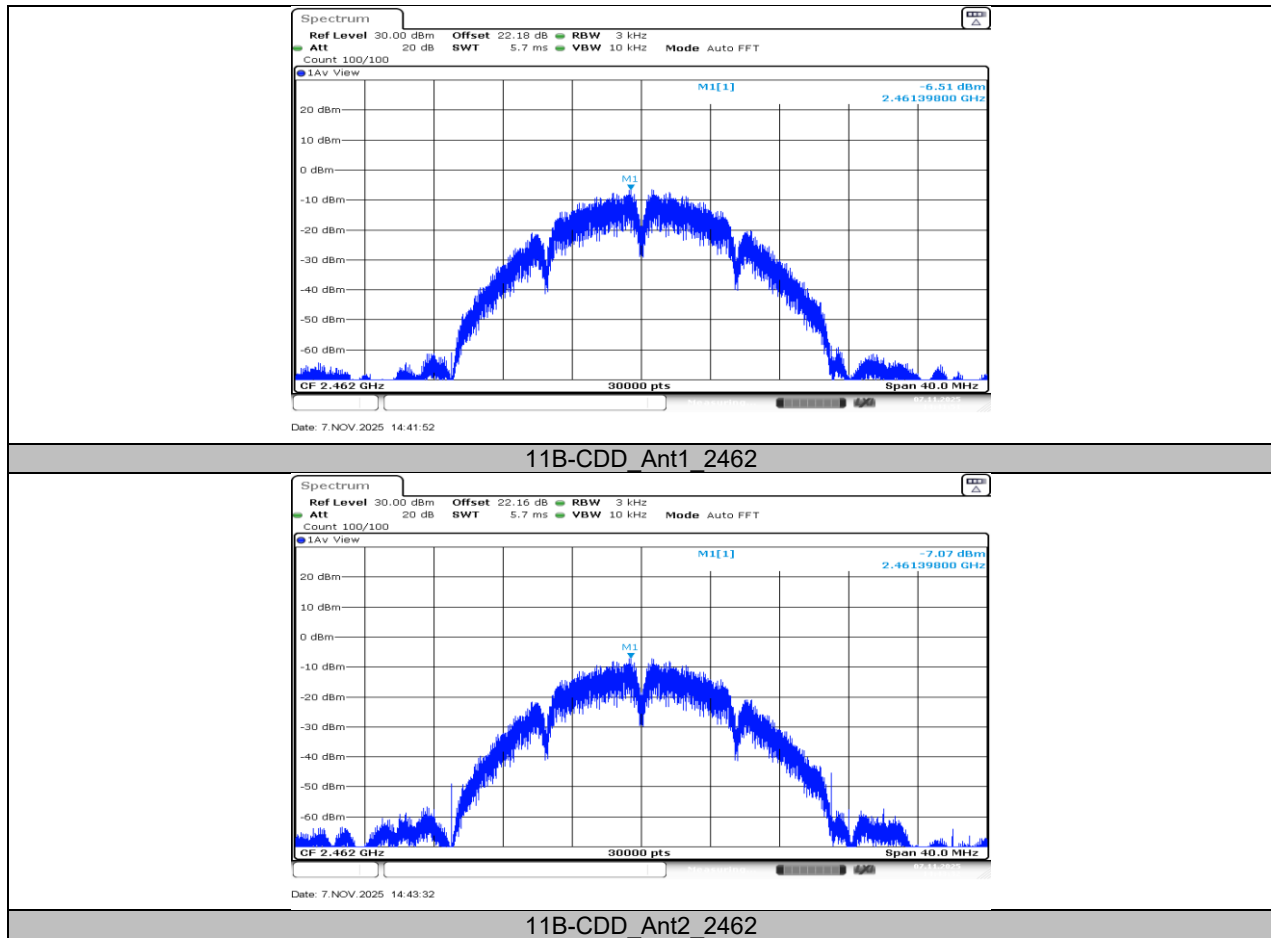
11B-CDD_Ant2_2437



11B-CDD_Ant1_2457



11B-CDD_Ant2_2457



Note:

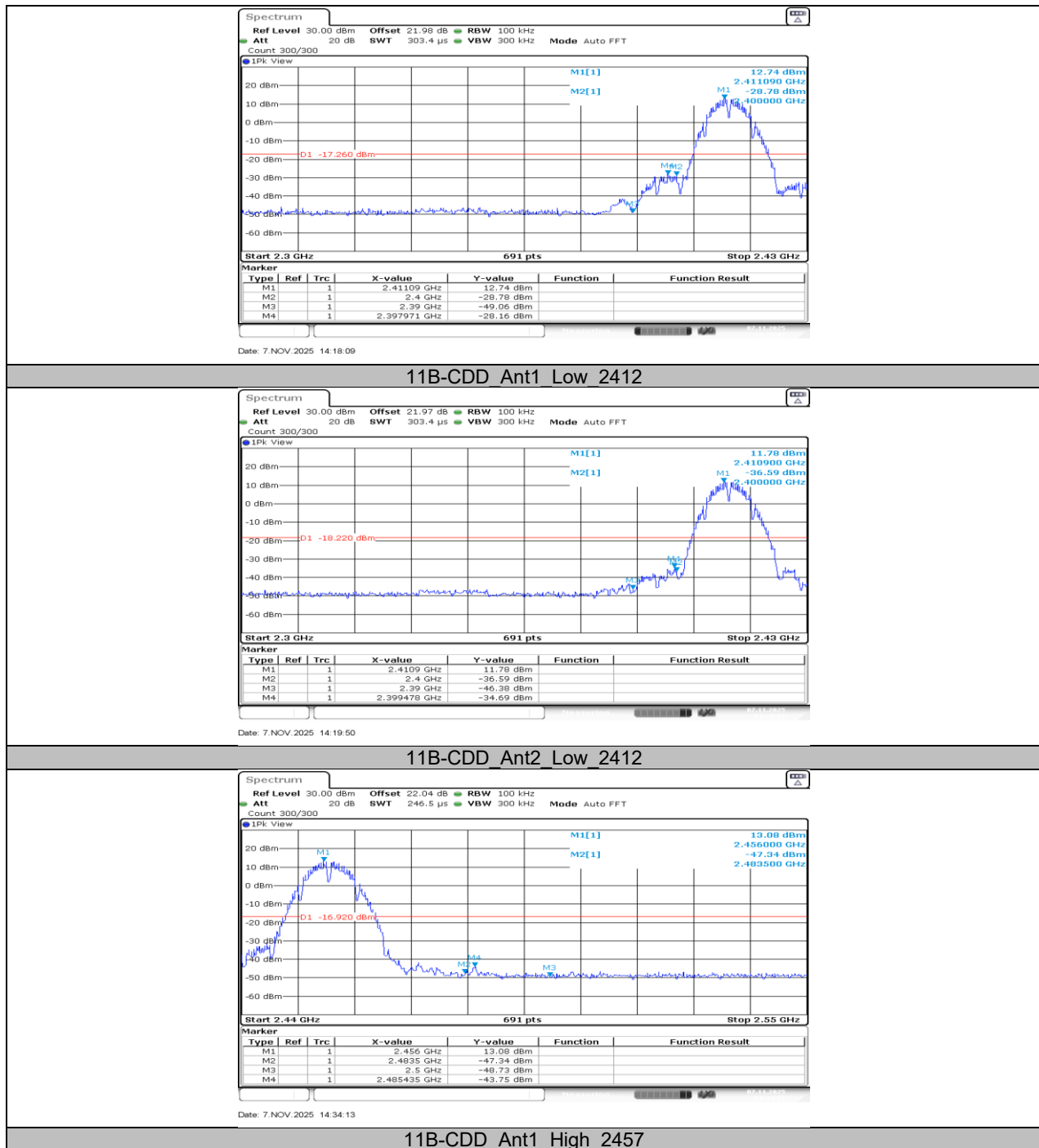
1. Only the worst data of 802.11b mode plots are reported to show setting parameter compliance with testing method/procedure.
2. For all modes, RBW setting to 3kHz is used on PSD measurement.

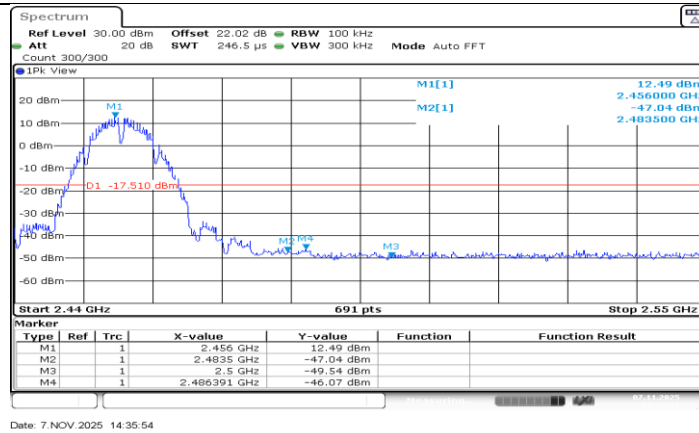
11.5. APPENDIX E: BAND EDGE MEASUREMENTS

11.5.1. Test Result

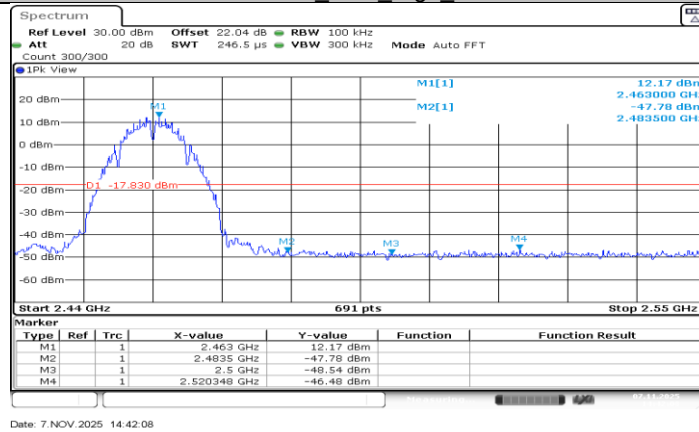
Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
11B-CDD	Ant1	Low	2412	12.74	-28.16	≤-17.26	PASS
	Ant2	Low	2412	11.78	-34.69	≤-18.22	PASS
	Ant1	High	2457	13.08	-43.75	≤-16.92	PASS
	Ant2	High	2457	12.49	-46.07	≤-17.51	PASS
	Ant1	High	2462	12.17	-46.48	≤-17.83	PASS
	Ant2	High	2462	11.50	-46.1	≤-18.5	PASS
11G-CDD	Ant1	Low	2412	5.82	-31.43	≤-24.18	PASS
	Ant2	Low	2412	4.76	-34.65	≤-25.24	PASS
	Ant1	Low	2417	7.81	-29.59	≤-22.19	PASS
	Ant2	Low	2417	7.10	-29.33	≤-22.9	PASS
	Ant1	High	2452	8.12	-44.87	≤-21.88	PASS
	Ant2	High	2452	7.53	-46.63	≤-22.47	PASS
	Ant1	High	2457	7.30	-44.08	≤-22.7	PASS
	Ant2	High	2457	6.83	-45.57	≤-23.17	PASS
	Ant1	High	2462	4.81	-46.35	≤-25.19	PASS
	Ant2	High	2462	4.52	-43.16	≤-25.48	PASS
11N20MIMO	Ant1	Low	2412	4.99	-30.69	≤-25.01	PASS
	Ant2	Low	2412	4.71	-32.16	≤-25.29	PASS
	Ant1	Low	2417	7.79	-29.68	≤-22.21	PASS
	Ant2	Low	2417	6.73	-29.09	≤-23.27	PASS
	Ant1	High	2457	8.13	-44.43	≤-21.87	PASS
	Ant2	High	2457	7.63	-44.08	≤-22.37	PASS
	Ant1	High	2462	6.10	-45.7	≤-23.9	PASS
	Ant2	High	2462	4.61	-46.15	≤-25.39	PASS
11N40MIMO	Ant1	Low	2422	0.56	-39.45	≤-29.44	PASS
	Ant2	Low	2422	0.69	-38.28	≤-29.31	PASS
	Ant1	Low	2427	2.35	-38.79	≤-27.65	PASS
	Ant2	Low	2427	1.32	-37.09	≤-28.68	PASS
	Ant1	High	2447	3.19	-40.92	≤-26.81	PASS
	Ant2	High	2447	2.38	-42.12	≤-27.62	PASS
	Ant1	High	2452	1.52	-43.57	≤-28.48	PASS
	Ant2	High	2452	0.94	-38.49	≤-29.06	PASS
11AX20MIMO	Ant1	Low	2412	4.43	-33.94	≤-25.57	PASS
	Ant2	Low	2412	2.15	-35.29	≤-27.85	PASS
	Ant1	Low	2417	6.35	-31.02	≤-23.65	PASS
	Ant2	Low	2417	7.02	-29.98	≤-22.98	PASS
	Ant1	High	2452	6.95	-45.81	≤-23.05	PASS
	Ant2	High	2452	6.78	-46.4	≤-23.22	PASS
	Ant1	High	2457	4.52	-45.54	≤-25.48	PASS
	Ant2	High	2457	5.11	-43.18	≤-24.89	PASS
	Ant1	High	2462	4.11	-45.82	≤-25.89	PASS
	Ant2	High	2462	3.82	-46.63	≤-26.18	PASS
11AX40MIMO	Ant1	Low	2422	0.63	-38.89	≤-29.37	PASS
	Ant2	Low	2422	0.19	-38.66	≤-29.81	PASS
	Ant1	High	2452	1.05	-41.76	≤-28.95	PASS
	Ant2	High	2452	0.87	-44.49	≤-29.13	PASS

11.5.2. Test Graphs

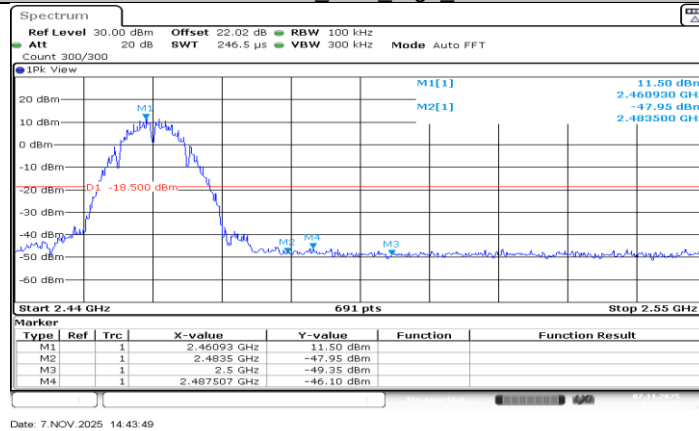




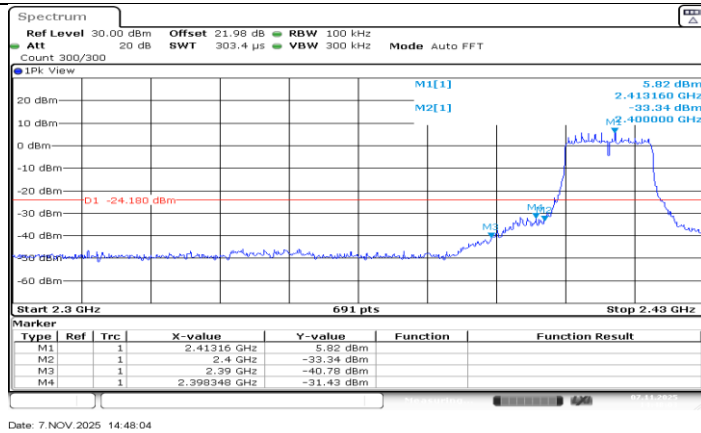
11B-CDD_Ant2_High_2457



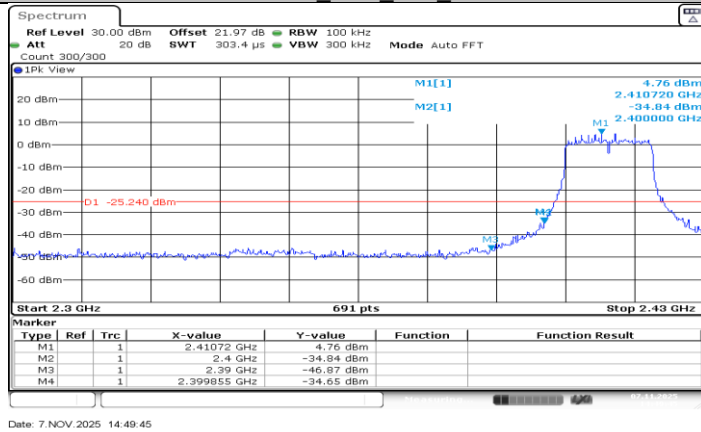
11B-CDD_Ant1_High_2462



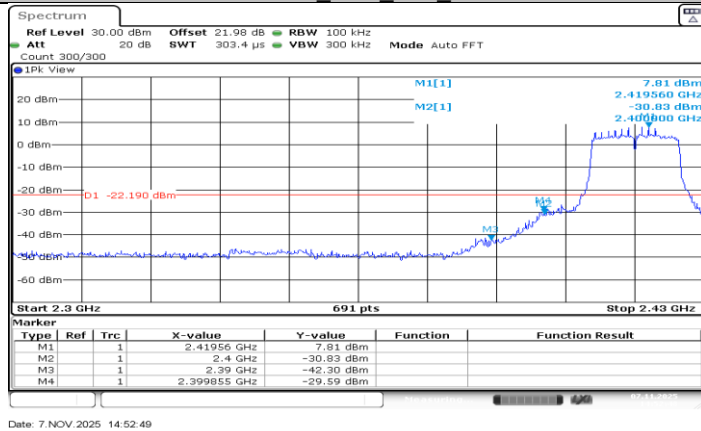
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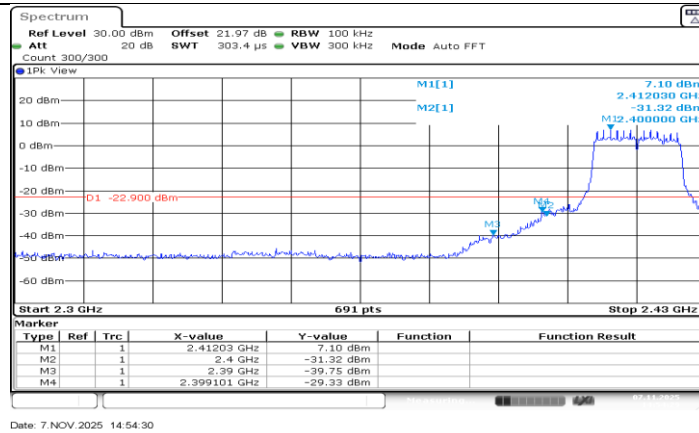
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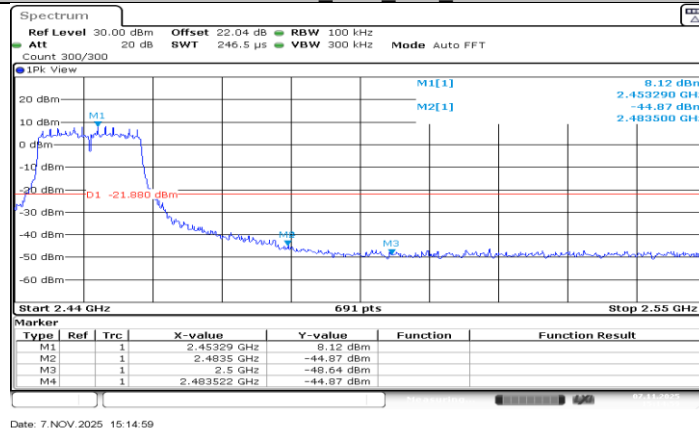
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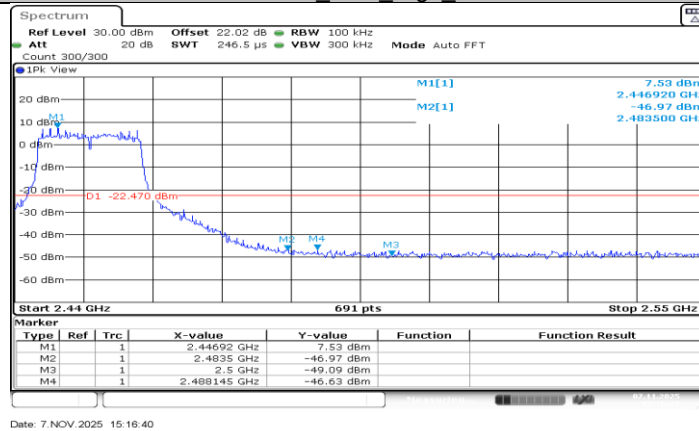
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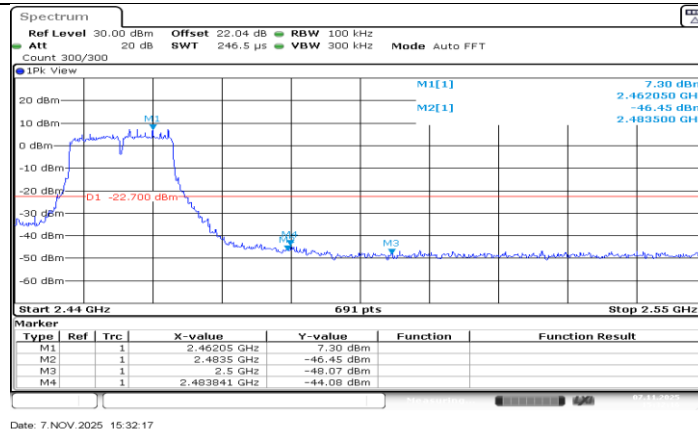
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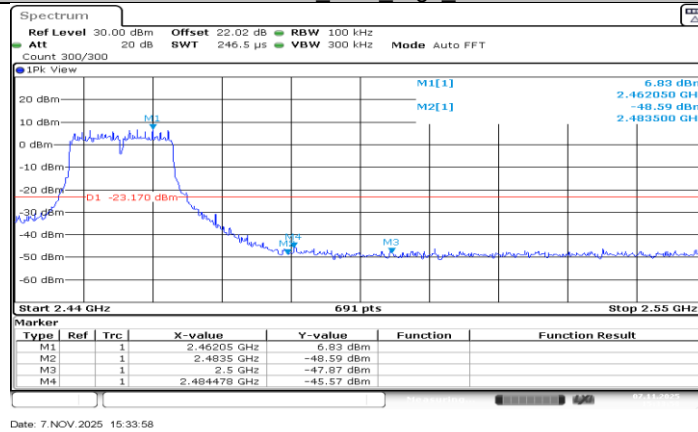
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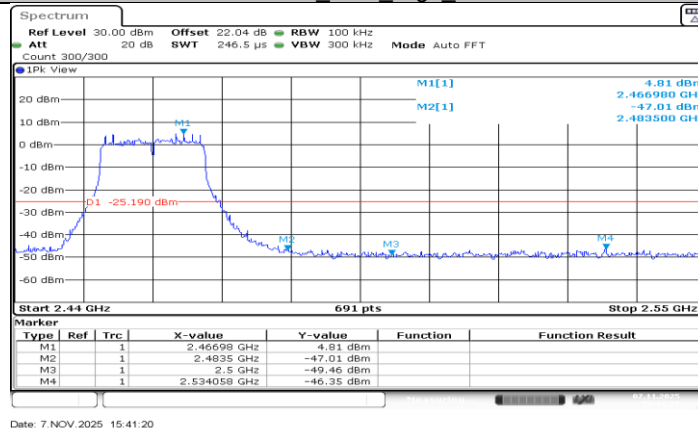
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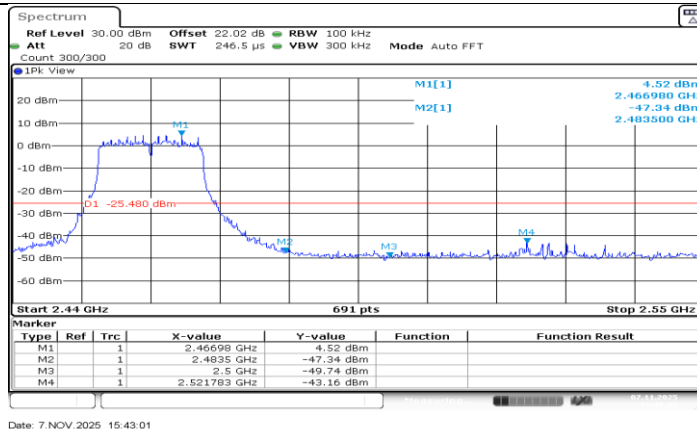
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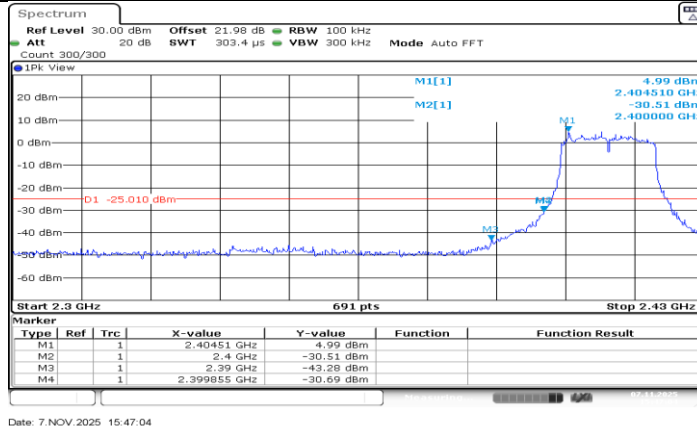
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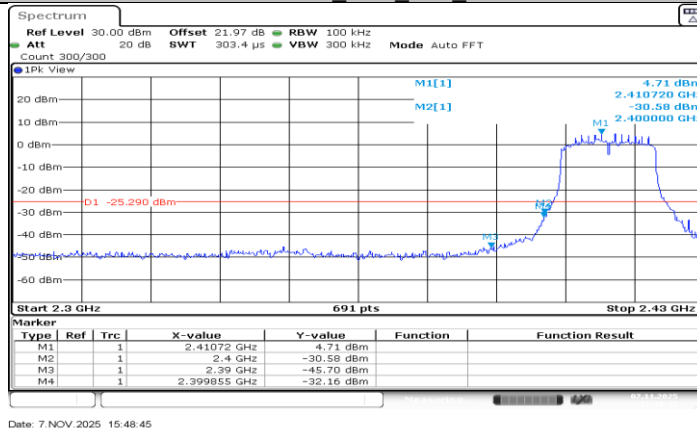
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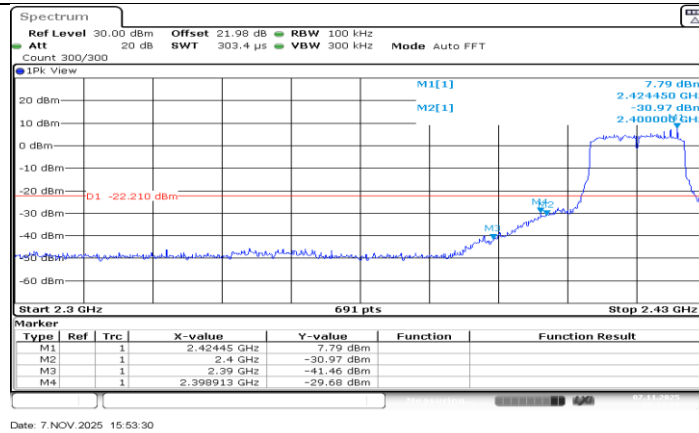
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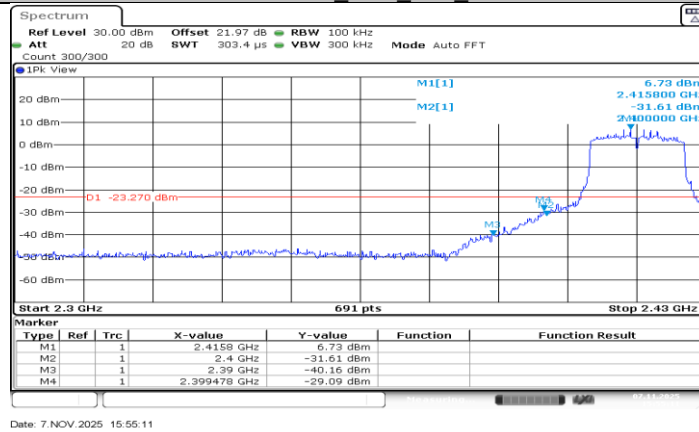
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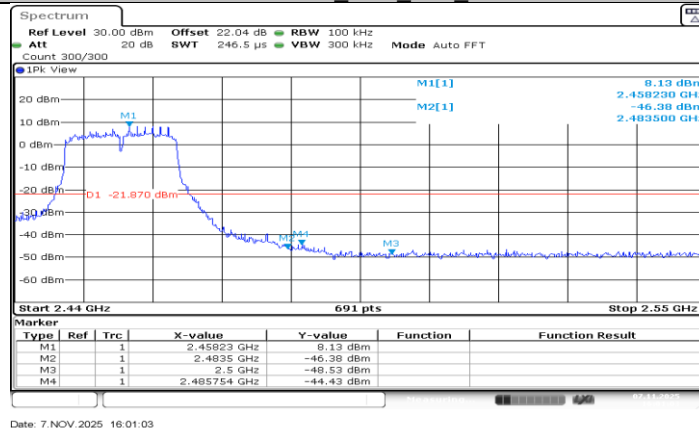
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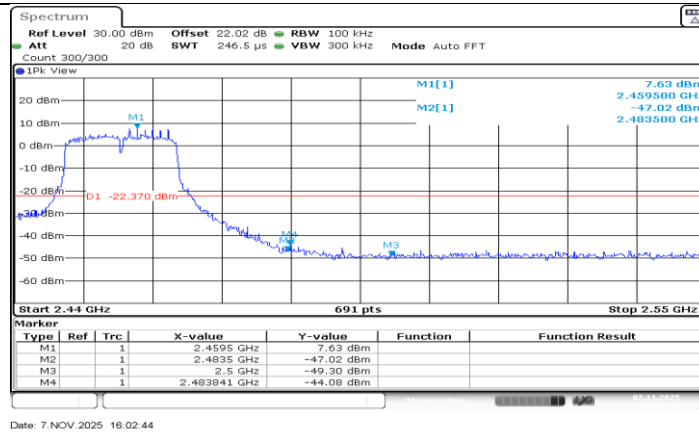
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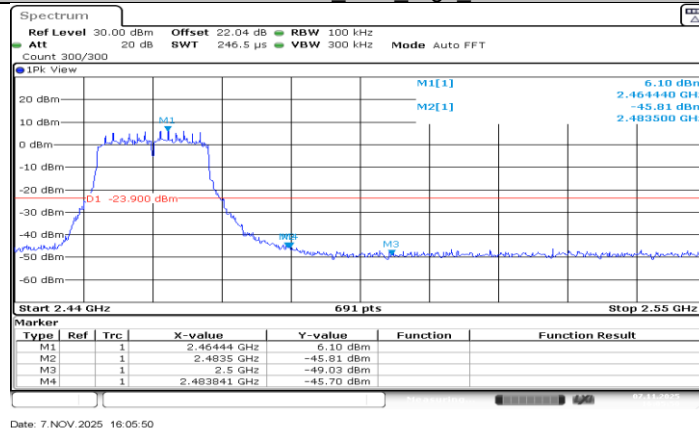
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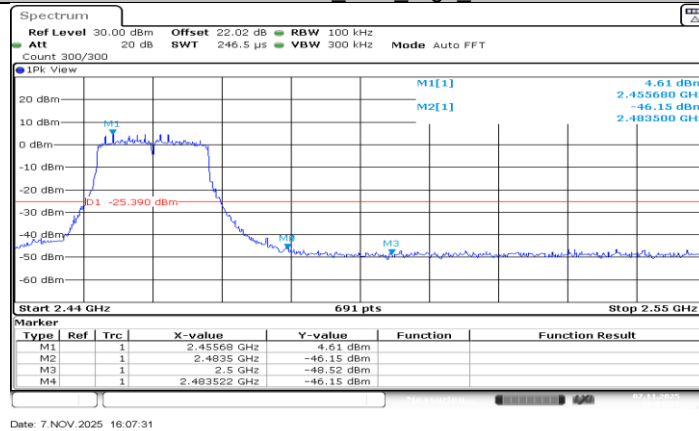
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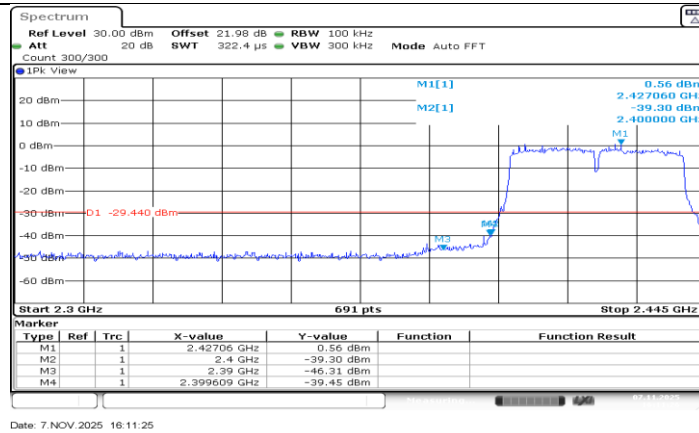
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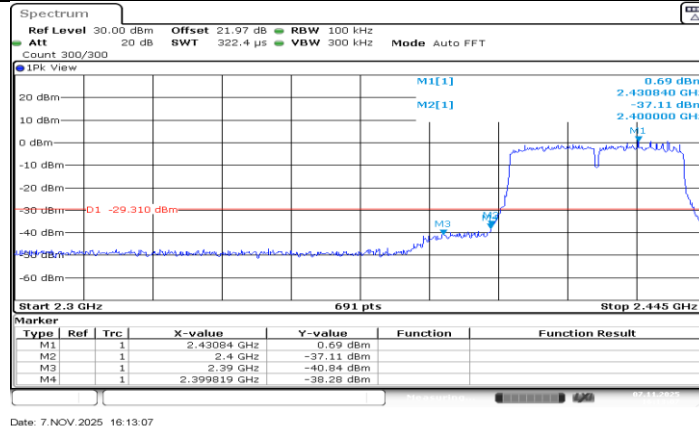
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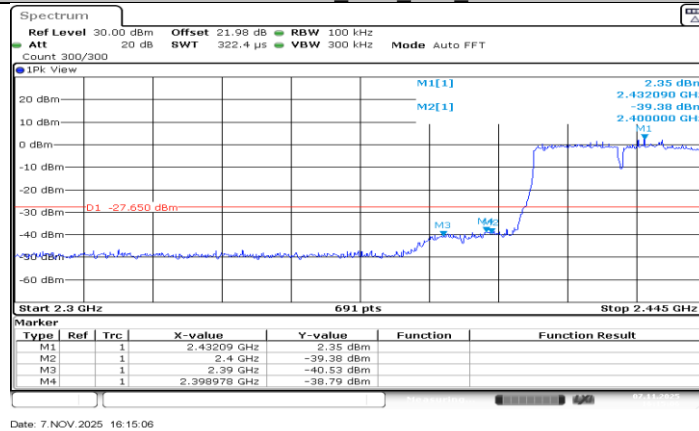
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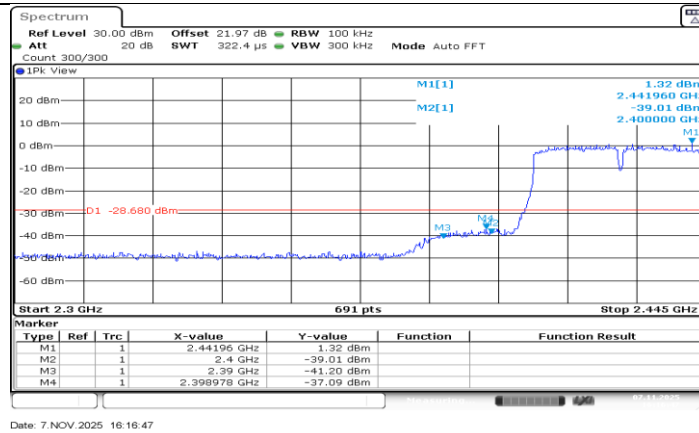
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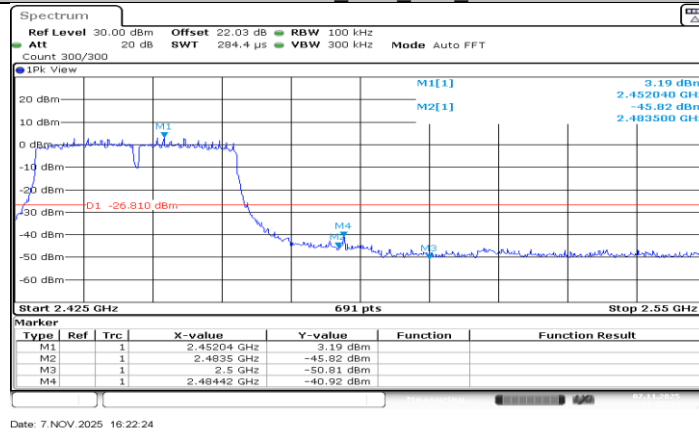
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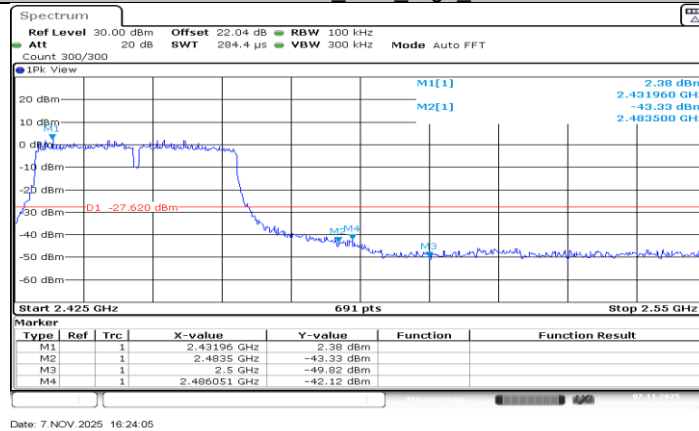
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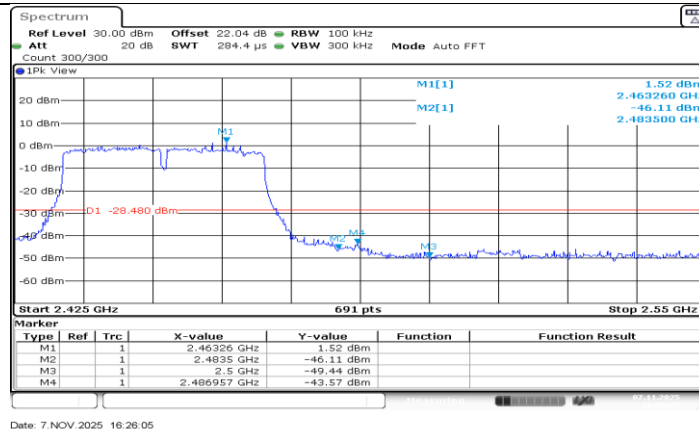
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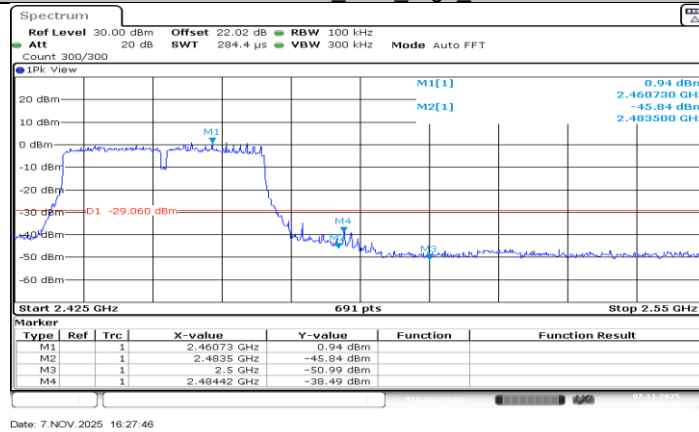
11N40MIMO_Ant1_High_2447



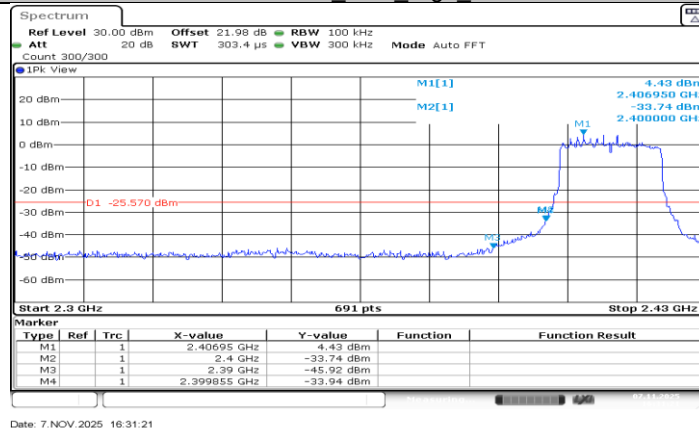
11N40MIMO_Ant2_High_2447



11N40MIMO_Ant1_High_2452



11N40MIMO_Ant2_High_2452



11AX20MIMO_Ant1_Low_2412