

**FCC 47 CFR PART 15 SUBPART C
ISED RSS-247 Issue 4**

TEST REPORT

For

MOBILE COMPUTER WITH BARCODE READER

MODEL NUMBER: JTSHICN

REPORT NUMBER: 4791876642-1-RF-3

ISSUE DATE: January 22, 2026

**FCC ID: U4GJTSHICN
IC: 3862E-JTSHICN**

Prepared for

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Prepared by

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Revision History

Rev.	Issue Date	Revisions	Revised By
V0	January 22, 2026	Initial Issue	

Summary of Test Results

Test Item	Clause	Limit/Requirement	Result
Antenna Requirement	N/A	FCC Part 15.203/15.247 (c) RSS-GEN Clause 6.8	Pass
AC Power Line Conducted Emission	ANSI C63.10-2020, Clause 6.2	FCC Part 15.207 RSS-GEN Clause 8.8	Pass
Conducted Output Power	ANSI C63.10-2020, Clause 11.9.2.3.1	FCC Part 15.247 (b)(3) RSS-247 Clause 6.3.2	Pass
6dB Bandwidth and 99% Occupied Bandwidth	ANSI C63.10-2020, Clause 11.8.1	FCC Part 15.247 (a)(2) RSS-247 Clause 6.3.1 (a) RSS-Gen Clause 6.7	Pass
Power Spectral Density	ANSI C63.10-2020, Clause 11.10.3	FCC Part 15.247 (e) RSS-247 Clause 6.3.1 (b)	Pass
Conducted Band edge and spurious emission	ANSI C63.10-2020, Clause 11.11	FCC Part 15.247(d) RSS-247 Clause 6.6	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 RSS-247 Clause 6.6 RSS-GEN Clause 8.9	Pass
Duty Cycle	ANSI C63.10-2020, Clause 11.6	None; for reporting purposes only.	Pass

Note: For ISED, this report is also performed according to ANSI C63.10-2020 + Cor.1-2023 + C63.10a-2024 + Errata to C63.10a-2024 standards.

*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 <FCC 47 CFR PART 15 SUBPART C, ISED RSS-247 Issue 4> when <Simple Acceptance> decision rule is applied. Decision rule for statement of conformity: The measurement uncertainty is not taken into account for statement of conformity.

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1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name: Datalogic S.r.l.
Address: Via San Vitalino, 13
40012 Lippo di Calderara di Reno (BO) - Italy

Manufacturer Information

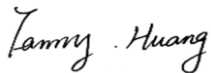
Company Name: Datalogic S.r.l.
Address: Via San Vitalino, 13
40012 Lippo di Calderara di Reno (BO) - Italy

EUT Information

EUT Name: MOBILE COMPUTER WITH BARCODE READER
Model: JTSHICN
HVIN: JTSH ICN
Brand: DATALOGIC
Sample Received Date: December 17, 2025
Sample Status: Normal
Sample ID: 9255460
Date of Tested: December 28, 2025 to January 22, 2026

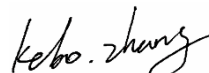
APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC 47 CFR PART 15 SUBPART C ISED RSS-247 Issue 4	Pass

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Approved By:



Stephen Guo
Operations Manager

2. TEST METHODOLOGY

All tests were performed in accordance with the standard FCC 47 CFR PART 15 SUBPART C ISED RSS-247 Issue 4, KDB 558074 D01 15.247 Meas Guidance v05r02, KDB 414788 D01 Radiated Test Site v01r01, KDB 662911 D01 Multiple Transmitter Output v02r01, FCC 47 CFR Part 2, ANSI C63.10-2020, ANSI C63.10-2020 + Cor.1-2023 + C63.10a-2024 + Errata to C63.10a-2024 and ISED RSS-GEN Issue 5

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	MOBILE COMPUTER WITH BARCODE READER
Model	JTSHICN
HVIN	JTSH ICN

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: OFDM(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:	DC 3.635V via battery

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]	25.61	26.51
g	2412 ~ 2462	1-11[11]	23.80	24.70
n HT20	2412 ~ 2462	1-11[11]	23.49	24.39
n HT40	2422 ~ 2452	3-9[7]	22.84	23.74
ax HE20	2412 ~ 2462	1-11[11]	22.32	23.22
ax HE40	2422 ~ 2452	3-9[7]	22.62	23.52

Note:

1. Maximum conducted output power = measured value + cable loss (provided by UL) + cable loss (provided by UL or client)
2. Maximum EIRP = maximum conducted output power + antenna gain

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	default
	2437	default
	2462	default
802.11g	2412	default
	2437	default
	2462	default
802.11n 20M	2412	default
	2437	default
	2462	default
802.11n 40M	2422	default
	2437	default
	2452	default

Mode	Freq(MHz)	RU size	RU Index	Tx power level (dBm) ANT0 & ANT1
802.11ax 20M	2412	26	0	default
		52	37	default
		106	53	default
		SU	/	default
	2437	26	4	default
		52	38	default
		106	53	default
		SU	/	default
	2462	26	8	default
		52	40	default
		106	54	default
		SU	/	default
802.11ax 40M	2422	SU	/	default
	2437	SU	/	default
	2452	SU	/	default

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 MIMO mode.

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 EUT has 2 separate antennas: antenna 0 and antenna 1, antenna 0 support BT and WIFI, antenna 1 support WIFI.

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, Full RU and SU (Single User) have the same bandwidth and waveform performance, conducted power of Full RU modes are higher than SU (Single User) Tone modes. It was determined that Full RU modes were the worst case over SU Tone in every instance. Therefore, Full RU modes were tested to represent SU modes as the worst-case scenario.

Preliminary Investigation was performed for 802.11 ax modes were determined by the following:

Testing was performed 802.11ax HE20 26T, 52T, 106T and Full RU to cover HE40 26T, 52T, 106T and 242T.

For Harmonics and Spurious Emissions, all modes have been tested, only the worst-case power and PSD of 802.11b and ax HE20 26T were recorded in the report.

5.7. DESCRIPTION OF AVAILABLE ANTENNAS

Antenna	Frequency (MHz)	Antenna Type	MAX Antenna Gain (dBi)
0	2412-2462	FPC Antenna	1
1	2412-2462	FPC Antenna	0.8

The EUT support Space Time Coding(STBC) mode.

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

$$\text{Directional gain} = 10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/NANT] \text{ dBi}$$

Directional gain = 0.9 dBi

Test Mode	Transmit and Receive Mode	Description
IEEE 802.11b	☒ 2TX, 2RX	ANT 0 and ANT 1 can be used as transmitting/receiving antenna.
IEEE 802.11g	☒ 2TX, 2RX	ANT 0 and ANT 1 can be used as transmitting/receiving antenna.
IEEE 802.11n HT20	☒ 2TX, 2RX	ANT 0 and ANT 1 can be used as transmitting/receiving antenna.
IEEE 802.11n HT40	☒ 2TX, 2RX	ANT 0 and ANT 1 can be used as transmitting/receiving antenna.
IEEE 802.11ax HE20	☒ 2TX, 2RX	ANT 0 and ANT 1 can be used as transmitting/receiving antenna.
IEEE 802.11ax HE40	☒ 2TX, 2RX	ANT 0 and ANT 1 can be used as transmitting/receiving antenna.

Note: Only BT&WLAN 2.4G, BT & WLAN 5G, BT & WLAN 6G can transmit simultaneously.
(declared by manufacturer)

5.8. SUPPORT UNITS FOR SYSTEM TEST

SUPPORT EQUIPMENT

Item	Equipment	Brand Name	Model Name	Remark
1	PC	Lenovo	E14	/
2	AC Adaptor	Channel Well Technology	2ACP0183C	Input: AC 100-240V, 0.5A, 50-60Hz Output: DC 3.635V, 3A,15W

I/O CABLES

Cable No	Port	Connector Type	Cable Type	Cable Length(m)	Remarks
1	USB	/	/	1.5	/

ACCESSORIES

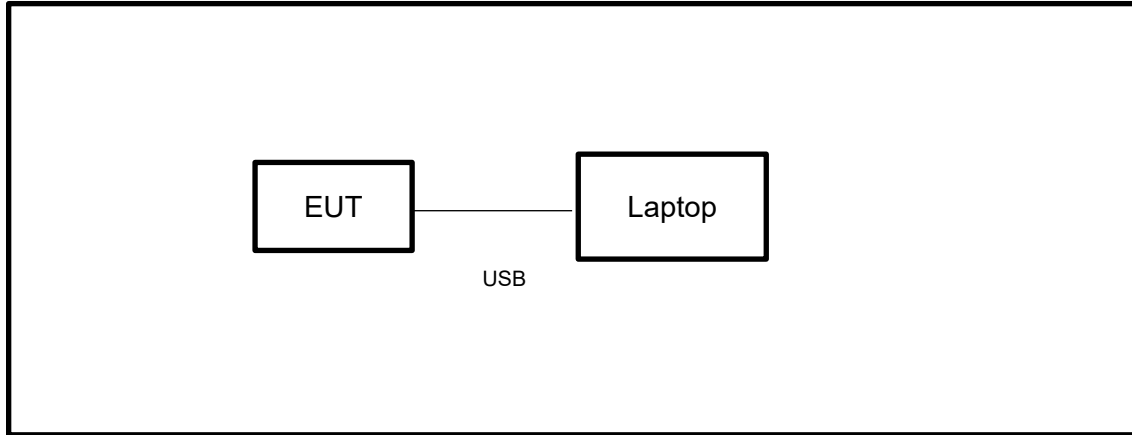
Item	Accessory	Brand Name	Model Name	Description
/	/	/	/	/

TEST SETUP

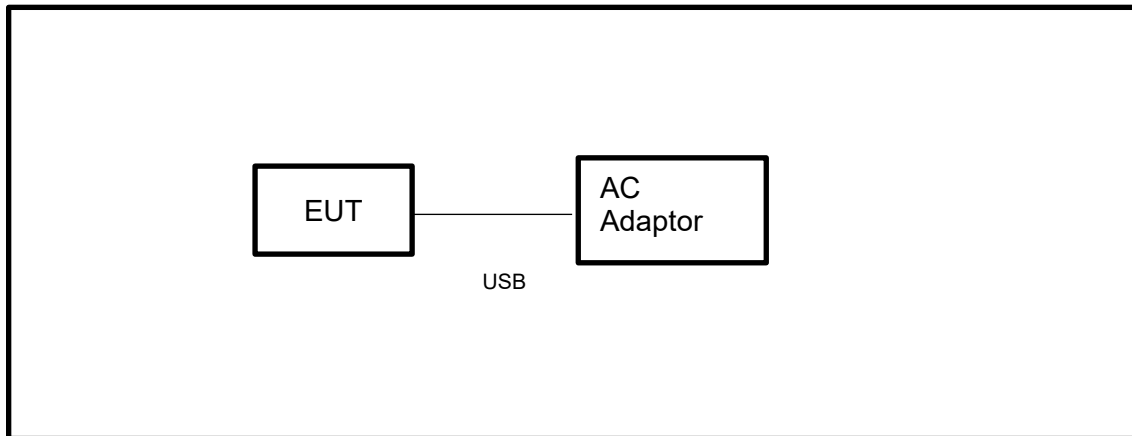
The EUT can work in engineering mode with a software through a Laptop.

SETUP DIAGRAM FOR TESTS

For others:



For AC Power Line Conducted Emission:



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.26,2025	Dec.25,2026	
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.26,2025	Dec.25,2026	
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

FCC 47 CFR Part15 (15.247) Subpart C ISED RSS-247 ISSUE 4			
Section	Test Item	Limit	Frequency Range (MHz)
FCC 47 CFR 15.247(b)(3) ISED RSS-247 6.3.2	AVG Output Power	1 watt or 30 dBm	2400-2483.5

TEST PROCEDURE

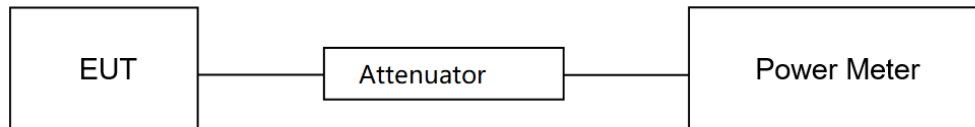
Refer to ANSI C63.10-2020 clause 11.9.2.3.1.

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	23.6°C	Relative Humidity	53%
Atmosphere Pressure	101kPa	Test Voltage	DC 3.635V

TEST DATE / ENGINEER

Test Date	January 04, 2026	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

FCC 47 CFR Part15 (15.247) Subpart C ISED RSS-247 ISSUE 4			
Section	Test Item	Limit	Frequency Range (MHz)
FCC 47 CFR 15.247(a)(2) ISED RSS-247 6.3.1(a)	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

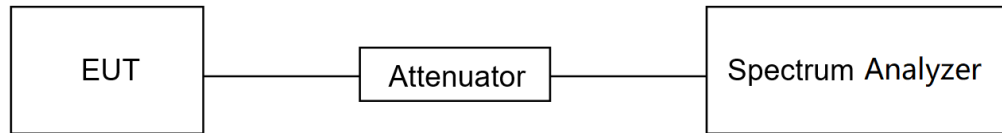
Refer to ANSI C63.10-2020 clause 11.8 for DTS bandwidth and clause 6.9 for Occupied Bandwidth.

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	23.6℃	Relative Humidity	53%
Atmosphere Pressure	101kPa	Test Voltage	DC 3.635V

TEST DATE / ENGINEER

Test Date	January 04, 2026	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

FCC 47 CFR Part15 (15.247) Subpart C ISED RSS-247 ISSUE 4			
Section	Test Item	Limit	Frequency Range (MHz)
FCC 47 CFR §15.247 (e) ISED RSS-247 6.3.1 (b)	Power Spectral Density	8 dBm in any 3 kHz band	2400-2483.5

TEST PROCEDURE

Refer to ANSI C63.10-2020 clause 11.10.3.

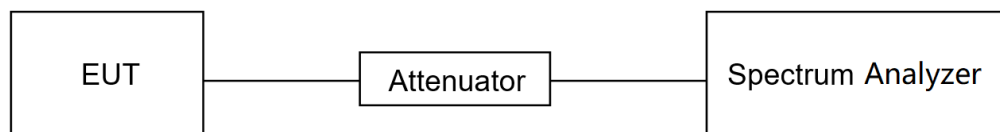
Connect the EUT to the spectrum analyzer and use the following settings:

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	23.6°C	Relative Humidity	53%
Atmosphere Pressure	101kPa	Test Voltage	DC 3.635V

TEST DATE / ENGINEER

Test Date	January 04, 2026	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 ISED RSS-247 ISSUE 4		
Section	Test Item	Limit
CFR 47 FCC §15.247 (d) ISED RSS-247 6.6	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:

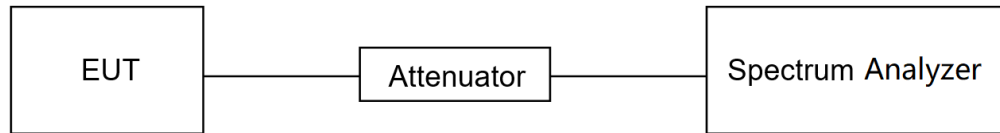
Center Frequency	The center frequency of the channel under test
Detector	Peak
RBW	100 kHz
VBW	$\geq 3 \times \text{RBW}$
Span	$\geq 1.5 \times \text{DTS bandwidth}$
Trace	Max hold
Sweep time	No faster than coupled (auto) time

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	23.6°C	Relative Humidity	53%
Atmosphere Pressure	101kPa	Test Voltage	DC 3.635V

TEST DATE / ENGINEER

Test Date	January 04, 2026	Test By	Bairong Liu
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TEST RESULTS

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

7.5. DUTY CYCLE

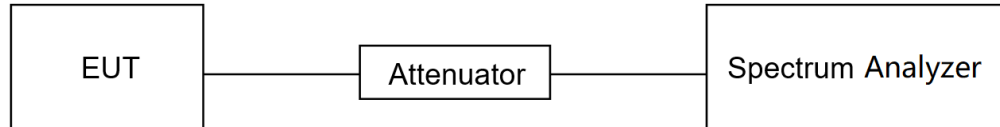
LIMITS

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	23.6°C	Relative Humidity	53%
Atmosphere Pressure	101kPa	Test Voltage	DC 3.635V

TEST DATE / ENGINEER

Test Date	January 04, 2026	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 FCC 47 CFR §15.205 and §15.209.

Please refer to ISED RSS-GEN Clause 8.9 and Clause 8.10.

Radiation Disturbance Test Limit for FCC (Class B) (9 kHz ~ 1 GHz)

Emissions radiated outside of the specified frequency bands above 30 MHz			
Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/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

ISED General field strength limits at frequencies below 30 MHz

Table 6 – General field strength limits at frequencies below 30 MHz		
Frequency	Magnetic field strength (H-Field) (uA/m)	Measurement distance (m)
9 - 490 kHz ^{Note 1}	6.37/F (F in kHz)	300
490 - 1705 kHz	63.7/F (F in kHz)	30
1.705 - 30 MHz	0.08	30

Note 1: The emission limits for the ranges 9-90 kHz and 110-490 kHz are based on measurements employing a linear average detector.

ISED Restricted bands please refer to ISED RSS-GEN Clause 8.10

MHz	MHz	GHz
0.090 - 0.110	149.9 - 150.05	9.0 - 9.2
0.495 - 0.505	156.52475 - 156.52525	9.3 - 9.5
2.1735 - 2.1905	156.7 - 156.9	10.6 - 12.7
3.020 - 3.026	162.0125 - 167.17	13.25 - 13.4
4.125 - 4.128	167.72 - 173.2	14.47 - 14.6
4.17725 - 4.17775	240 - 285	15.35 - 16.2
4.20725 - 4.20775	322 - 335.4	17.7 - 21.4
5.677 - 5.683	399.9 - 410	22.01 - 23.12
6.215 - 6.218	608 - 614	23.6 - 24.0
6.26775 - 6.26825	960 - 1427	31.2 - 31.8
6.31175 - 6.31225	1435 - 1626.5	36.43 - 36.5
8.291 - 8.294	1645.5 - 1646.5	Above 38.6
8.362 - 8.366	1660 - 1710	
8.37625 - 8.38675	1718.8 - 1722.2	
8.41425 - 8.41475	2200 - 2300	
12.29 - 12.293	2310 - 2390	
12.51975 - 12.52025	2483.5 - 2500	
12.57675 - 12.57725	2655 - 2900	
13.36 - 13.41	3260 - 3267	
16.42 - 16.423	3332 - 3339	
16.69475 - 16.69525	3345.8 - 3358	
16.80425 - 16.80475	3500 - 4400	
25.5 - 25.67	4500 - 5150	
37.5 - 38.25	5350 - 5460	
73 - 74.6	7250 - 7750	
74.8 - 75.2	8025 - 8500	
108 - 138		

Note 1: Certain frequency bands listed in table 7 and in bands above 38.6 GHz are designated for licence-exempt applications. These frequency bands and the requirements that apply to related devices are set out in the 200 and 300 series of RSSs.

FCC Restricted bands of operation refer to FCC 47 CFR §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.

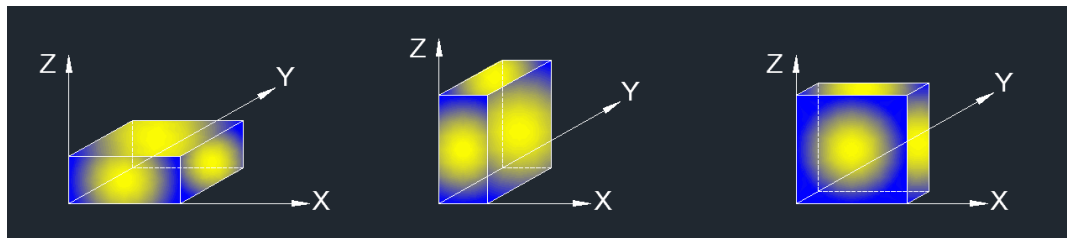
Above 1 GHz

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.

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.
9. We have verified that the test result of band edge on adjacent channels were better than Low channel and High channel, so only the worst data of low channel and high channel were recorded in this 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. $\text{dBuA/m} = \text{dBuV/m} - 20\text{Log}_{10}[120\pi] = \text{dBuV/m} - 51.5$

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:

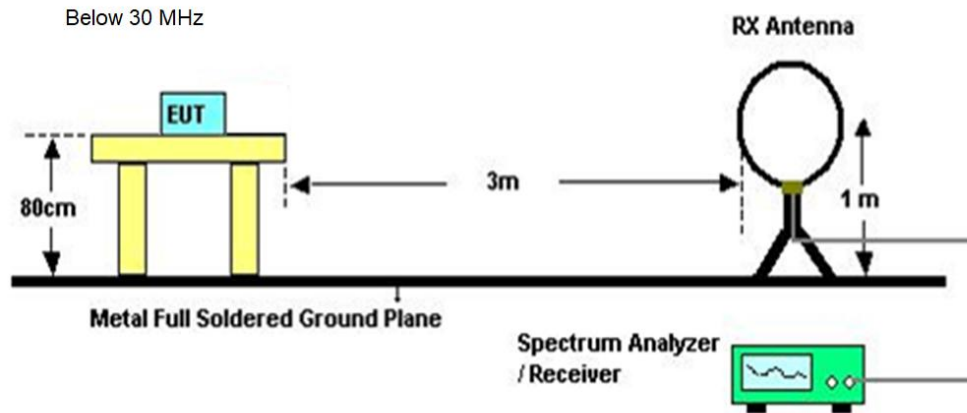
1. Peak Result = Reading Level + Correct Factor.
2. If the peak values are less than the average limit of 54 dBuV/m, the average result is deemed to comply with average limit.
3. Peak: Peak detector.
4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.
5. For the transmitting duration, please 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):

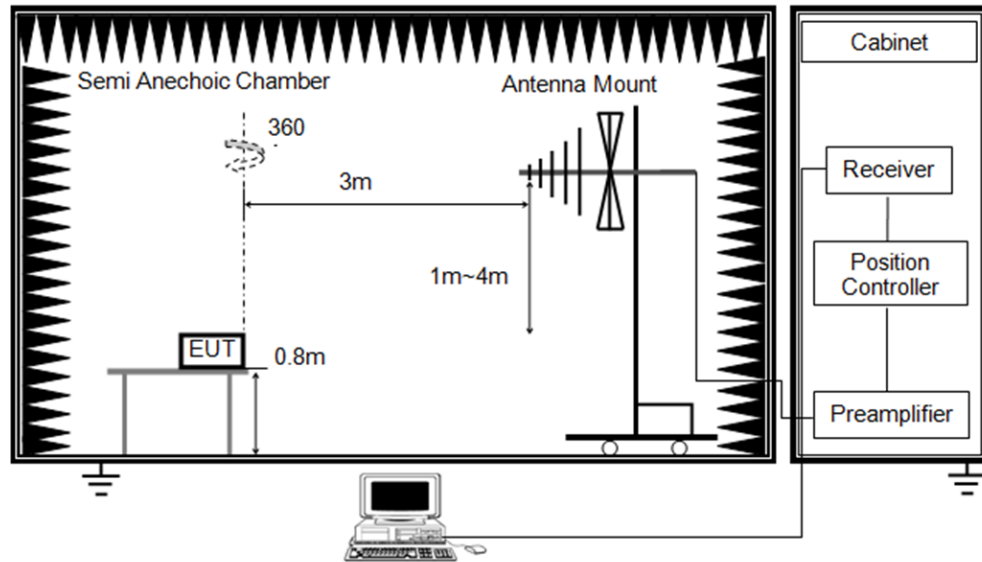
Note:

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.

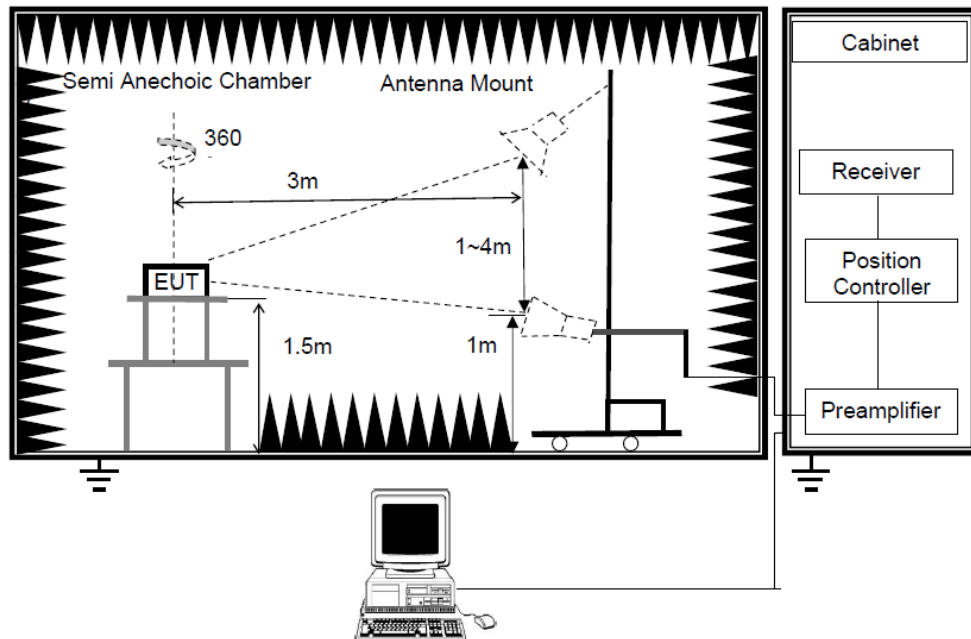
TEST SETUP



Below 1 GHz and above 30 MHz



Above 1GHz



TEST ENVIRONMENT

Temperature	22.1°C	Relative Humidity	57.9%
Atmosphere Pressure	101kPa	Test Voltage	

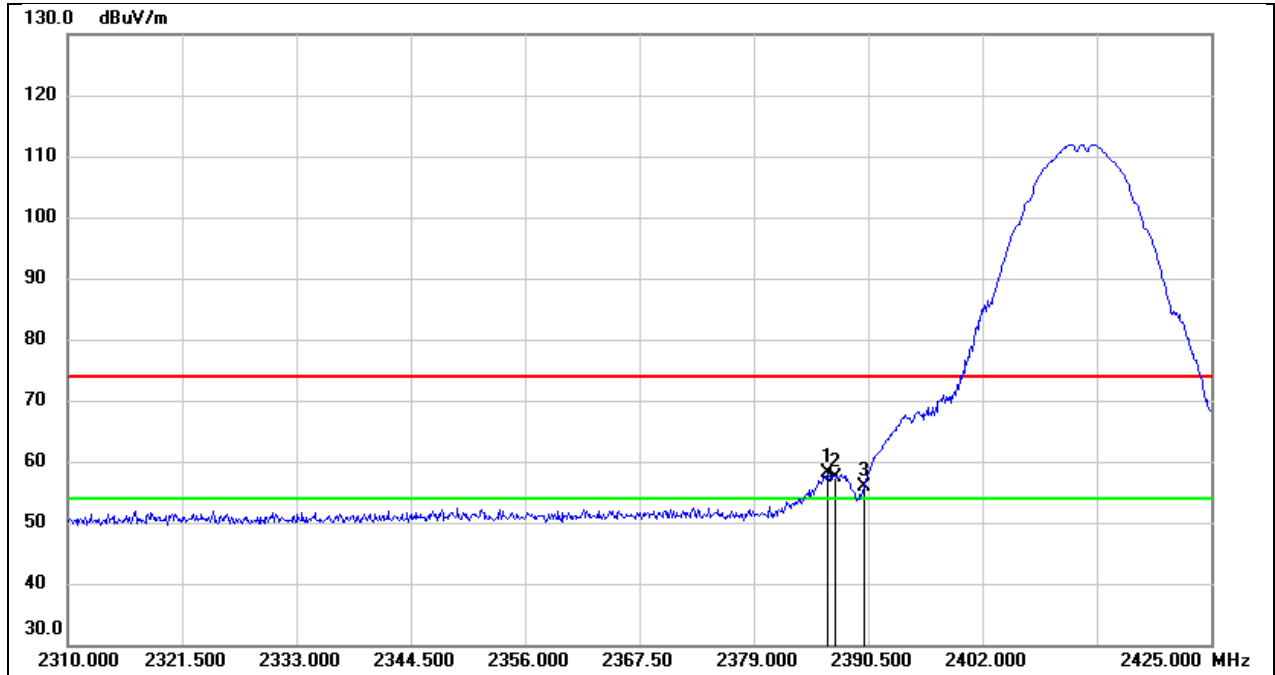
TEST DATE / ENGINEER

Test Date	January 9, 2026	Test By	Stipe Zheng
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TEST RESULTS

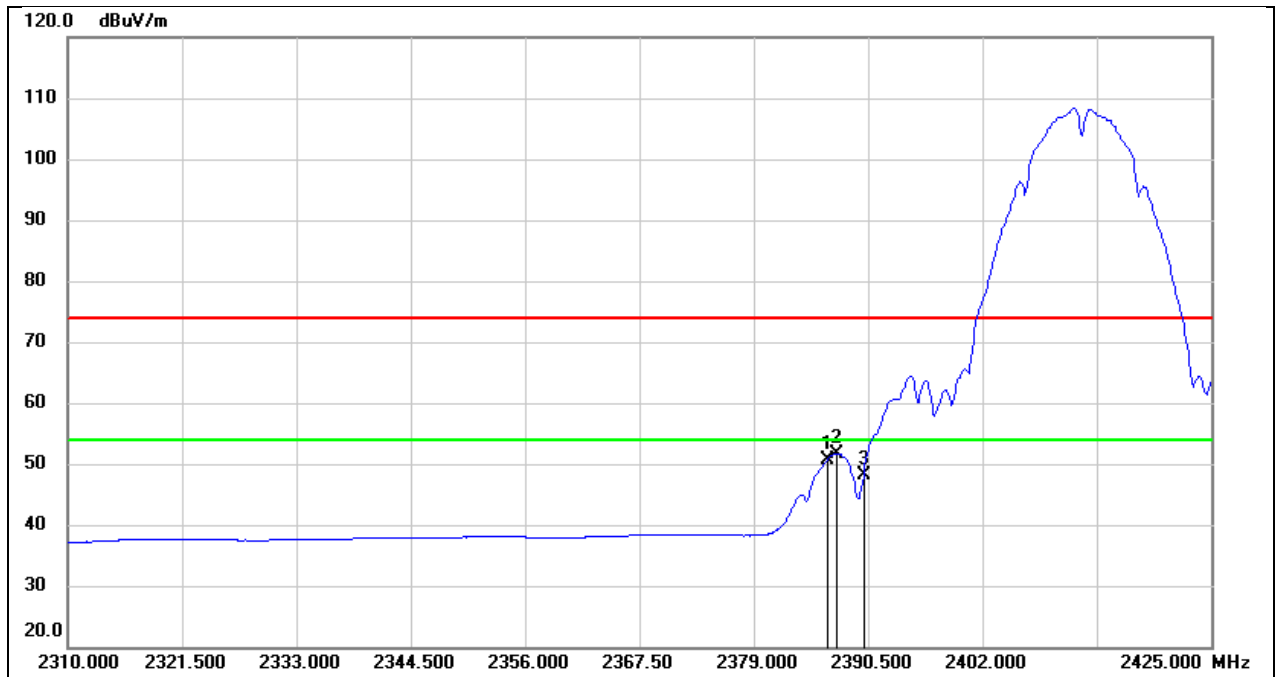
8.1. RESTRICTED BANDEDGE

Test Mode:	802.11b PK	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 3.635V



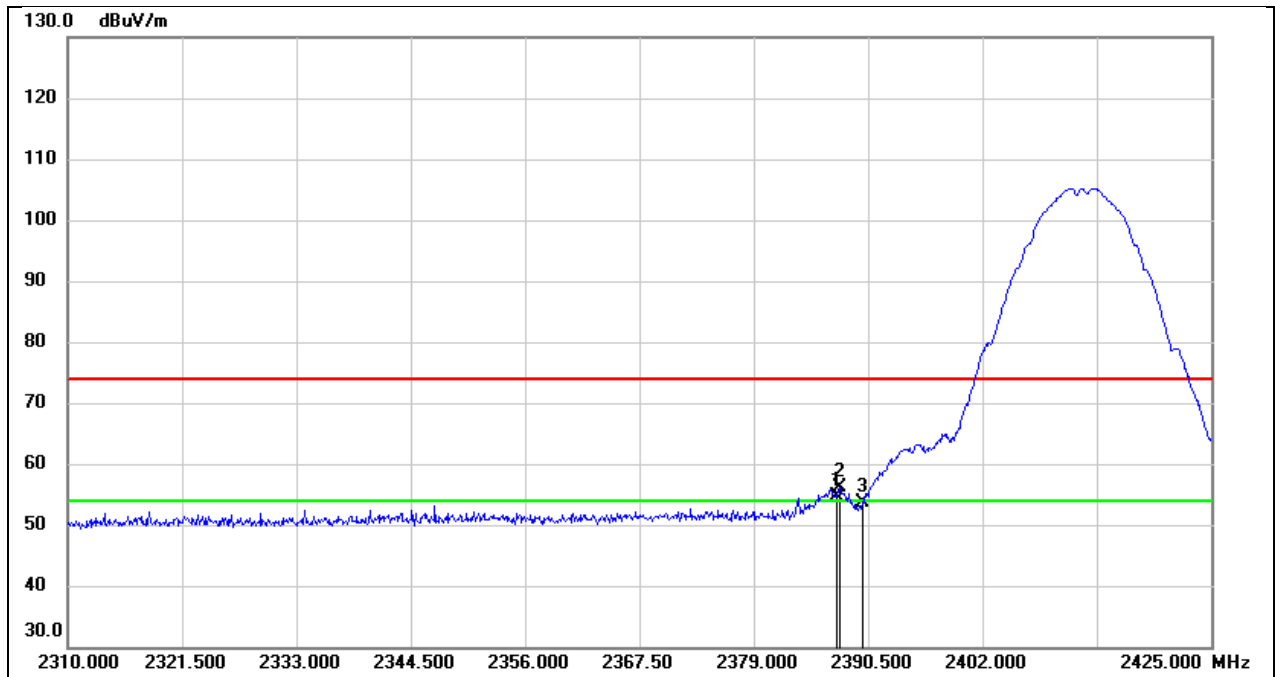
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2386.360	47.38	10.64	58.02	74.00	-15.98	peak
2	2387.165	46.82	10.64	57.46	74.00	-16.54	peak
3	2390.000	45.11	10.67	55.78	74.00	-18.22	peak

Test Mode:	802.11b AV	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 3.635V



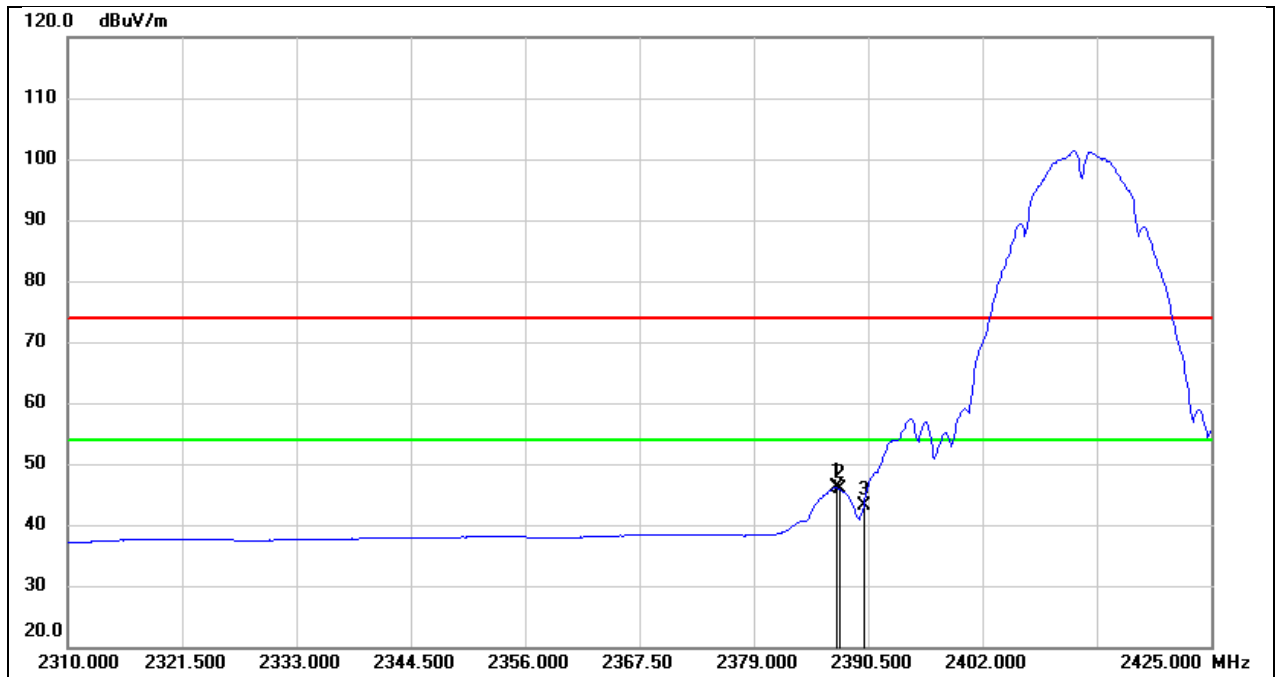
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2386.360	40.02	10.64	50.66	54.00	-3.34	AVG
2	2387.165	41.05	10.64	51.69	54.00	-2.31	AVG
3	2390.000	37.58	10.67	48.25	54.00	-5.75	AVG

Test Mode:	802.11b PK	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 3.635V



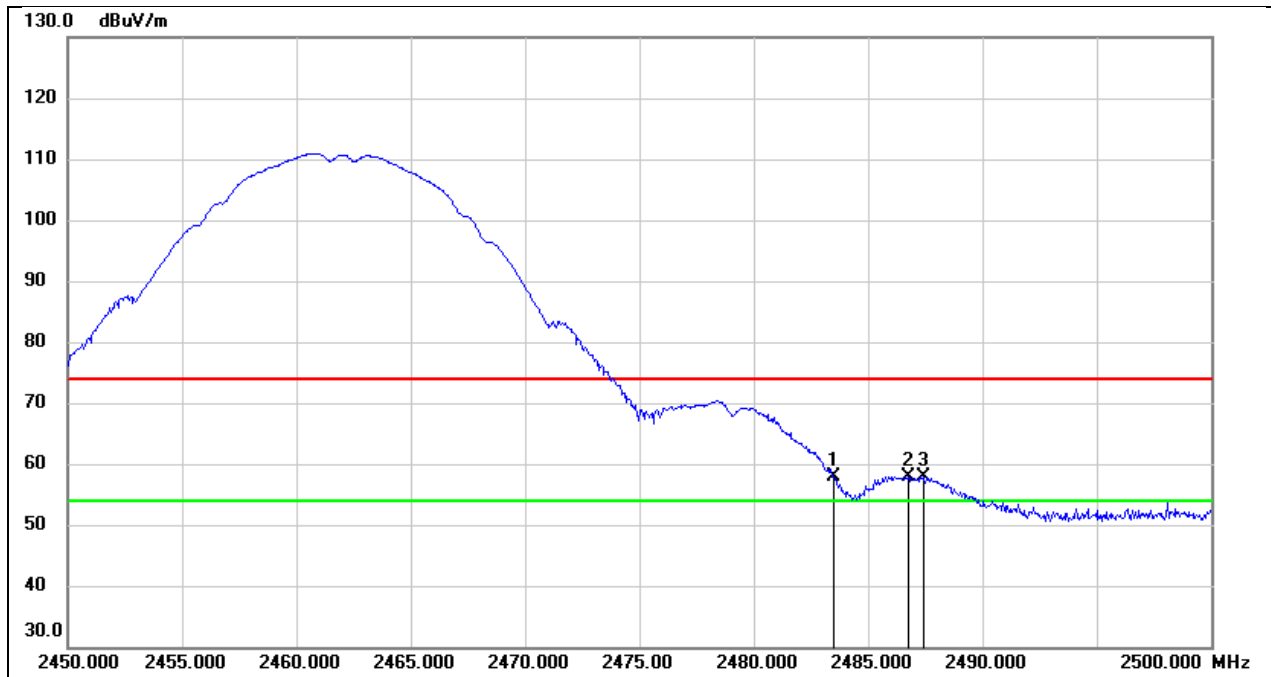
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2387.165	44.07	10.64	54.71	74.00	-19.29	peak
2	2387.625	45.42	10.65	56.07	74.00	-17.93	peak
3	2390.000	42.98	10.67	53.65	74.00	-20.35	peak

Test Mode:	802.11b AV	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 3.635V



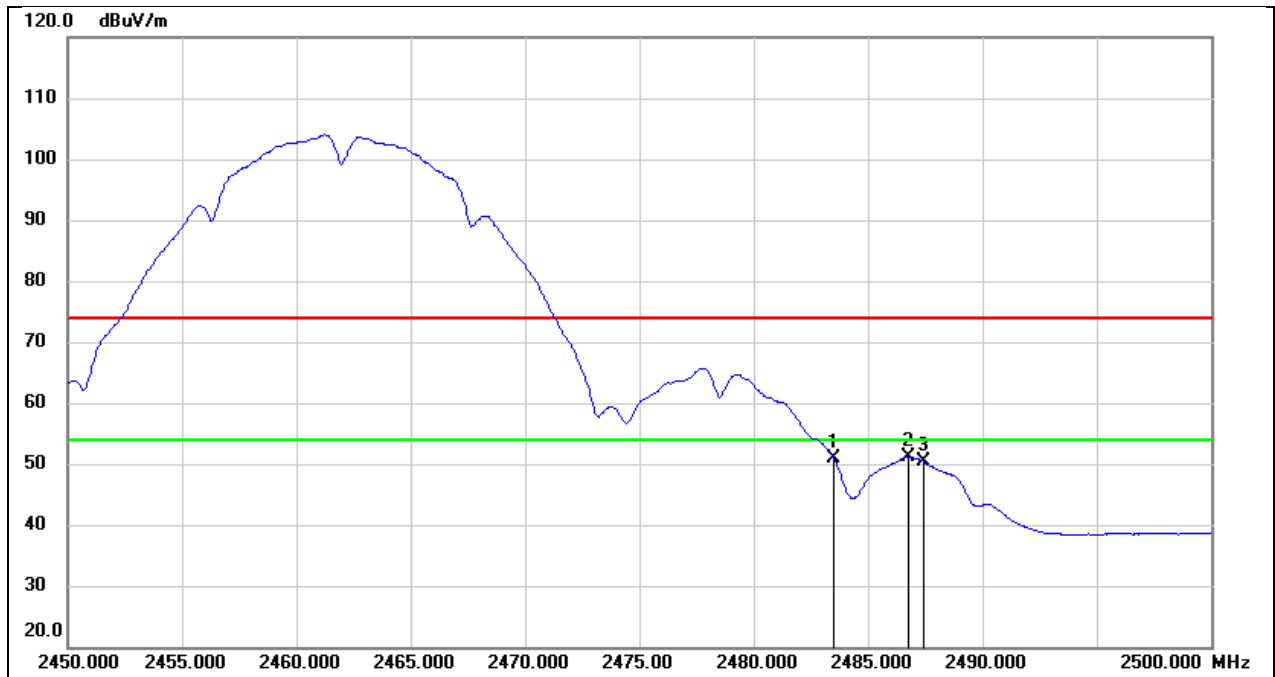
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2387.165	35.41	10.64	46.05	54.00	-7.95	AVG
2	2387.625	35.18	10.65	45.83	54.00	-8.17	AVG
3	2390.000	32.42	10.67	43.09	54.00	-10.91	AVG

Test Mode:	802.11b PK	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 3.635V



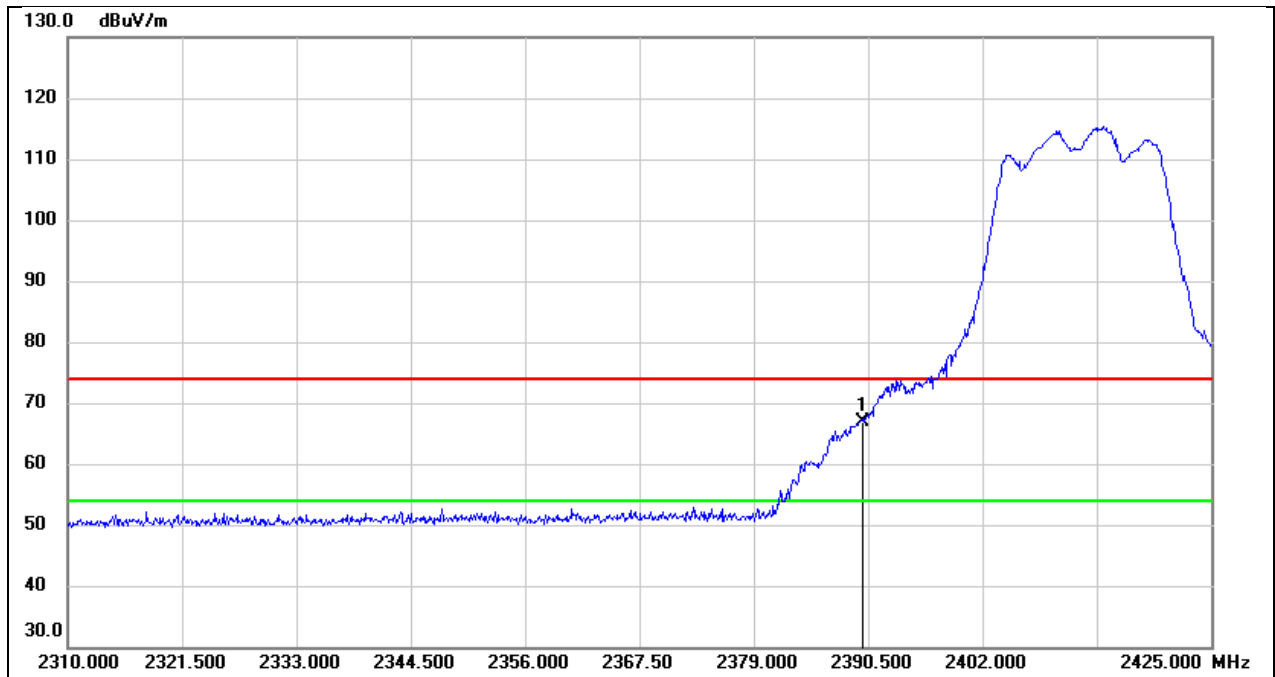
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	46.69	11.16	57.85	74.00	-16.15	peak
2	2486.750	46.72	11.17	57.89	74.00	-16.11	peak
3	2487.450	46.82	11.17	57.99	74.00	-16.01	peak

Test Mode:	802.11b AV	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 3.635V



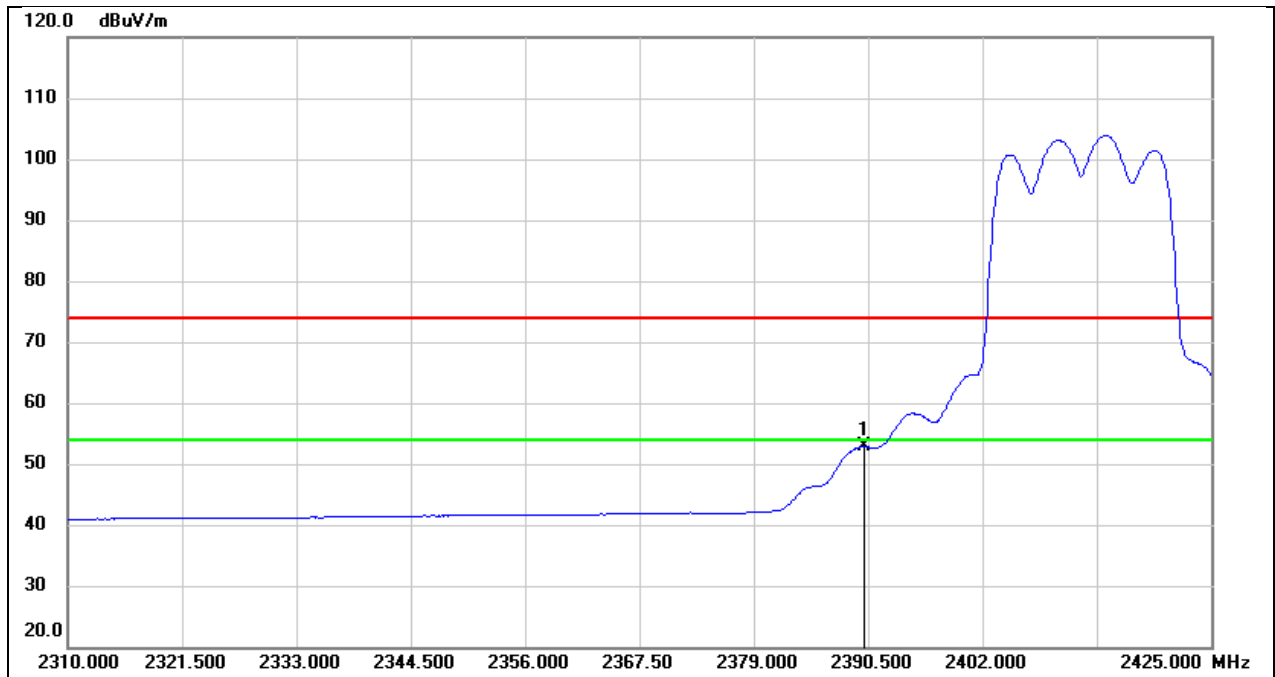
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	39.81	11.16	50.97	54.00	-3.03	AVG
2	2486.750	40.03	11.17	51.20	54.00	-2.80	AVG
3	2487.450	39.12	11.17	50.29	54.00	-3.71	AVG

Test Mode:	802.11g PK	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 3.635V



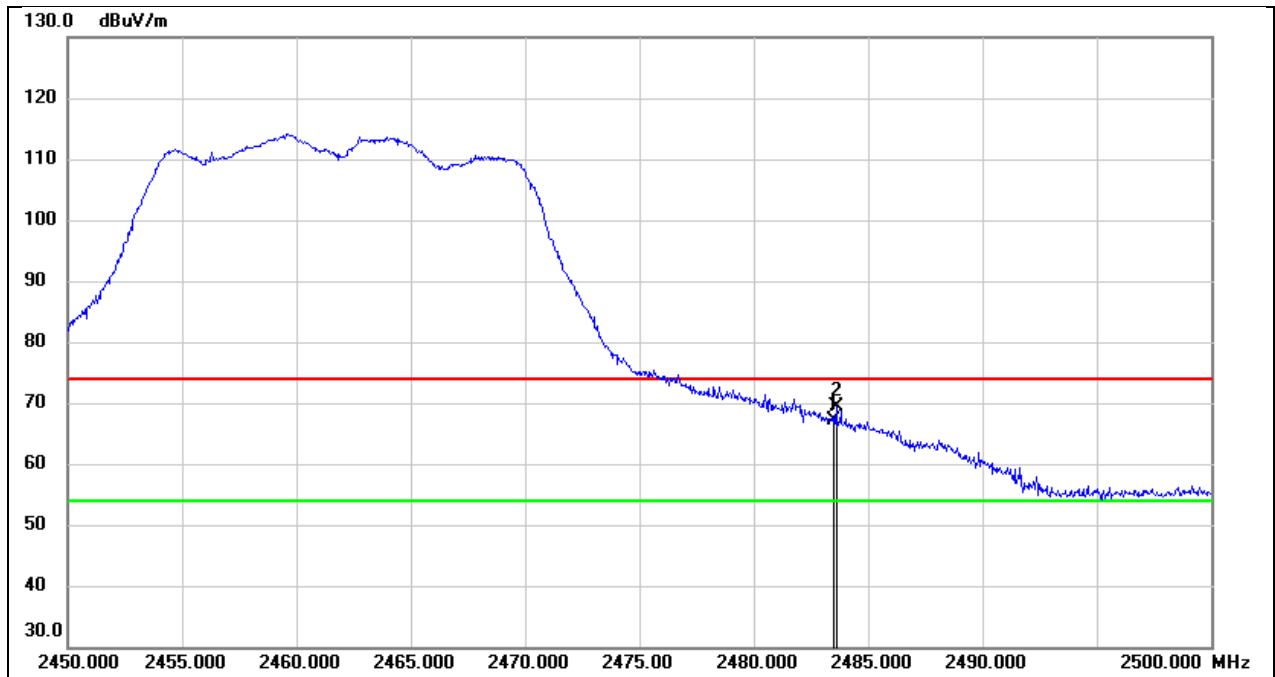
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	56.17	10.67	66.84	74.00	-7.16	peak

Test Mode:	802.11g AV	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 3.635V



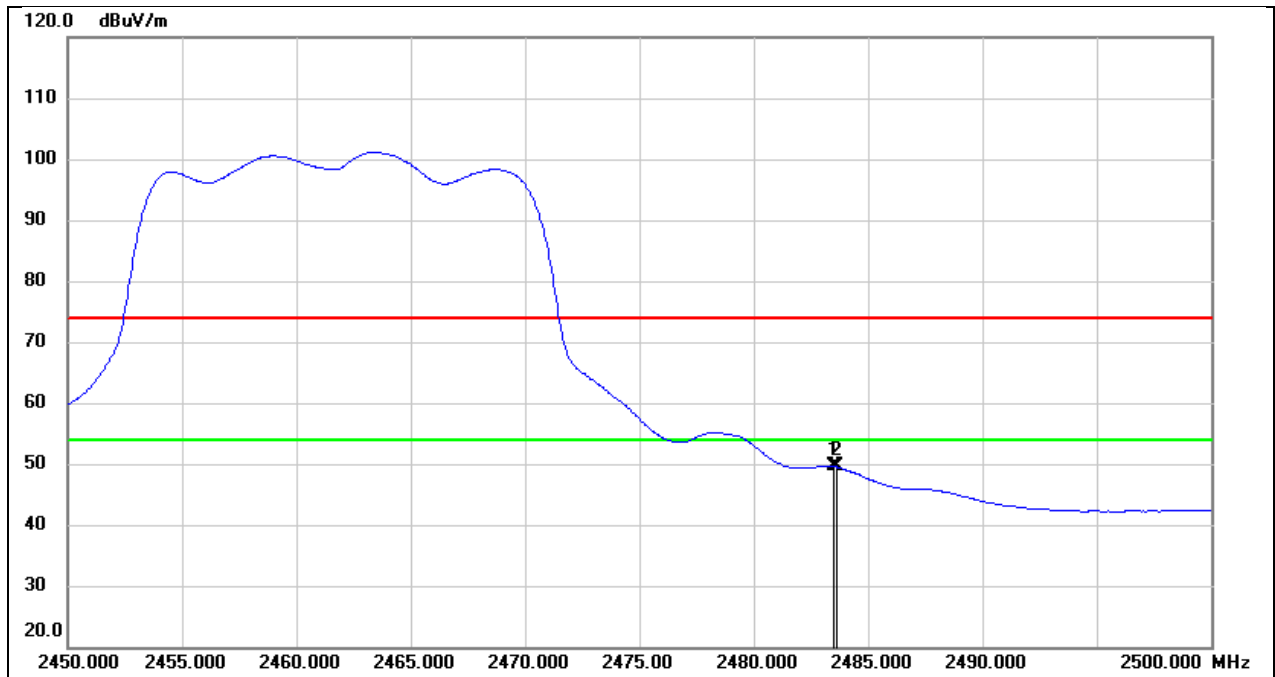
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	42.23	10.67	52.90	54.00	-1.10	AVG

Test Mode:	802.11g PK	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 3.635V



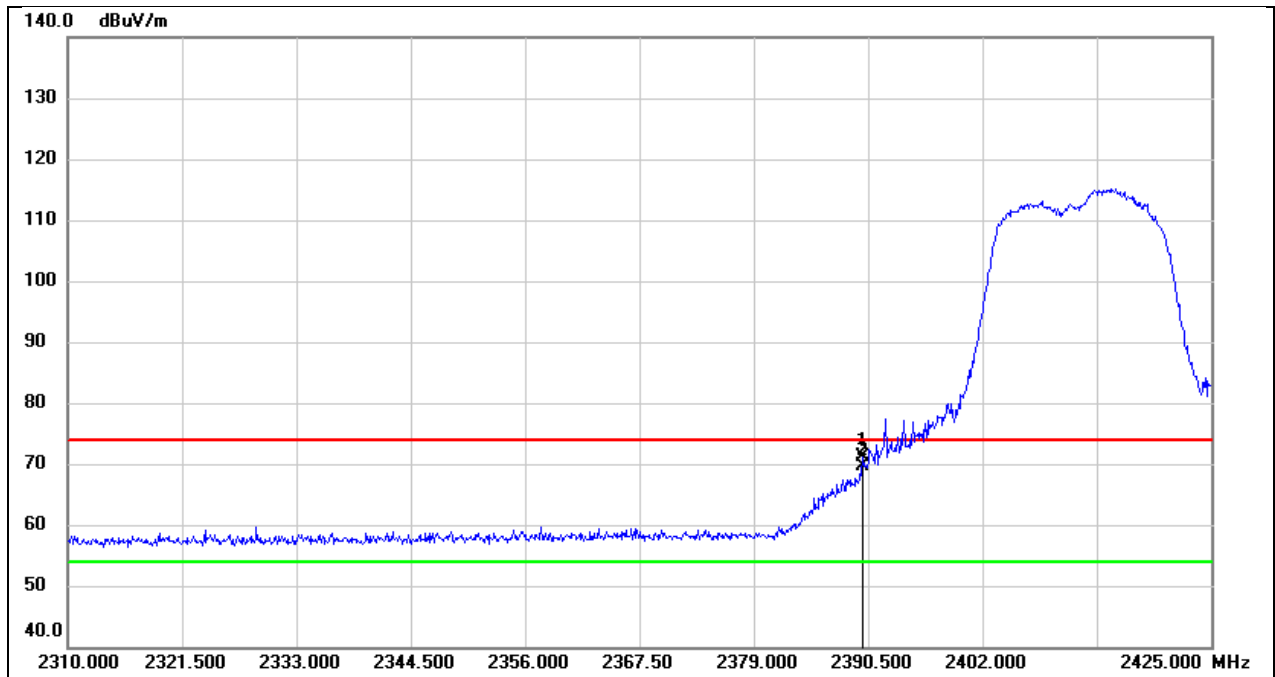
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	55.97	11.16	67.13	74.00	-6.87	peak
2	2483.600	58.33	11.16	69.49	74.00	-4.51	peak

Test Mode:	802.11g AV	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 3.635V



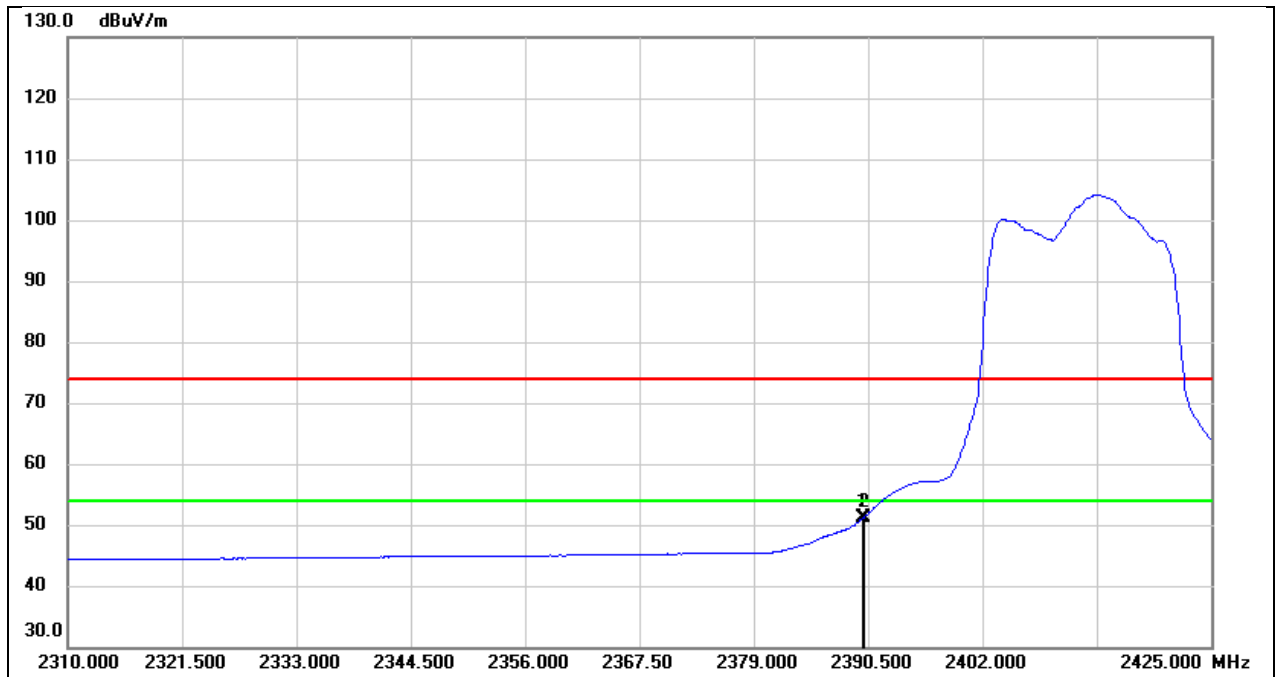
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	38.36	11.16	49.52	54.00	-4.48	AVG
2	2483.600	38.35	11.16	49.51	54.00	-4.49	AVG

Test Mode:	802.11n HT20 PK	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 3.635V



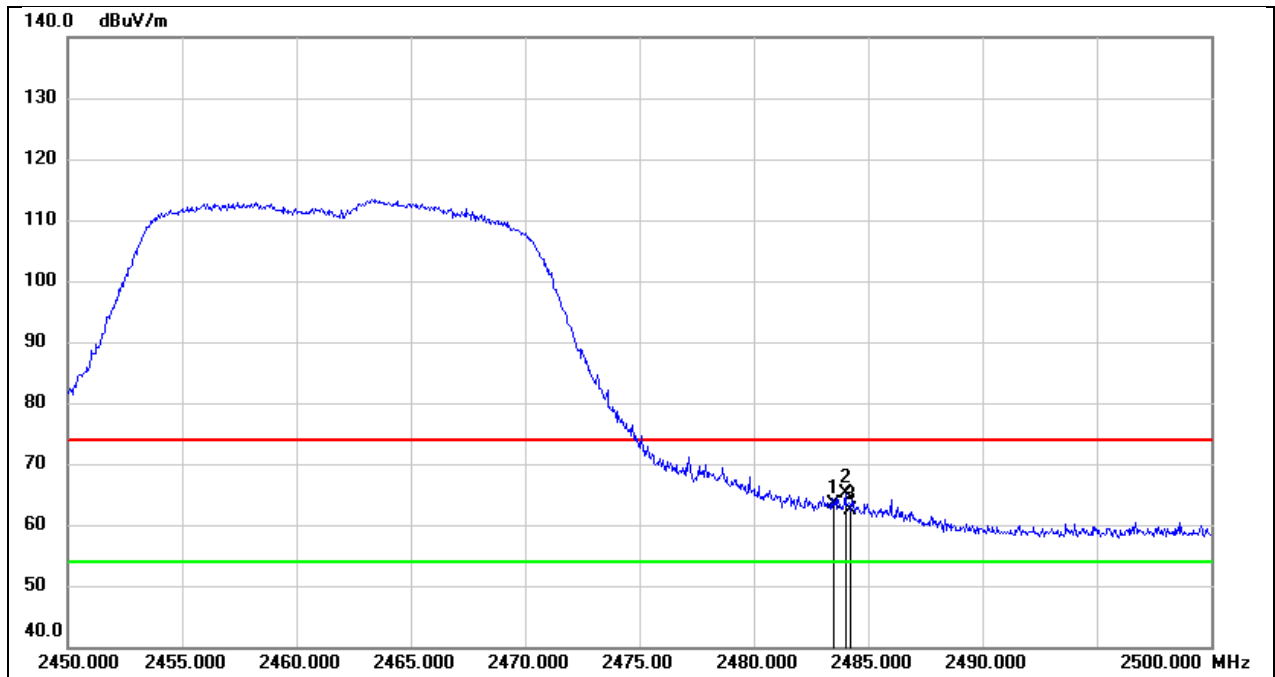
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.925	60.45	10.67	71.12	74.00	-2.88	peak
2	2390.000	58.89	10.67	69.56	74.00	-4.44	peak

Test Mode:	802.11n HT20 AV	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 3.635V



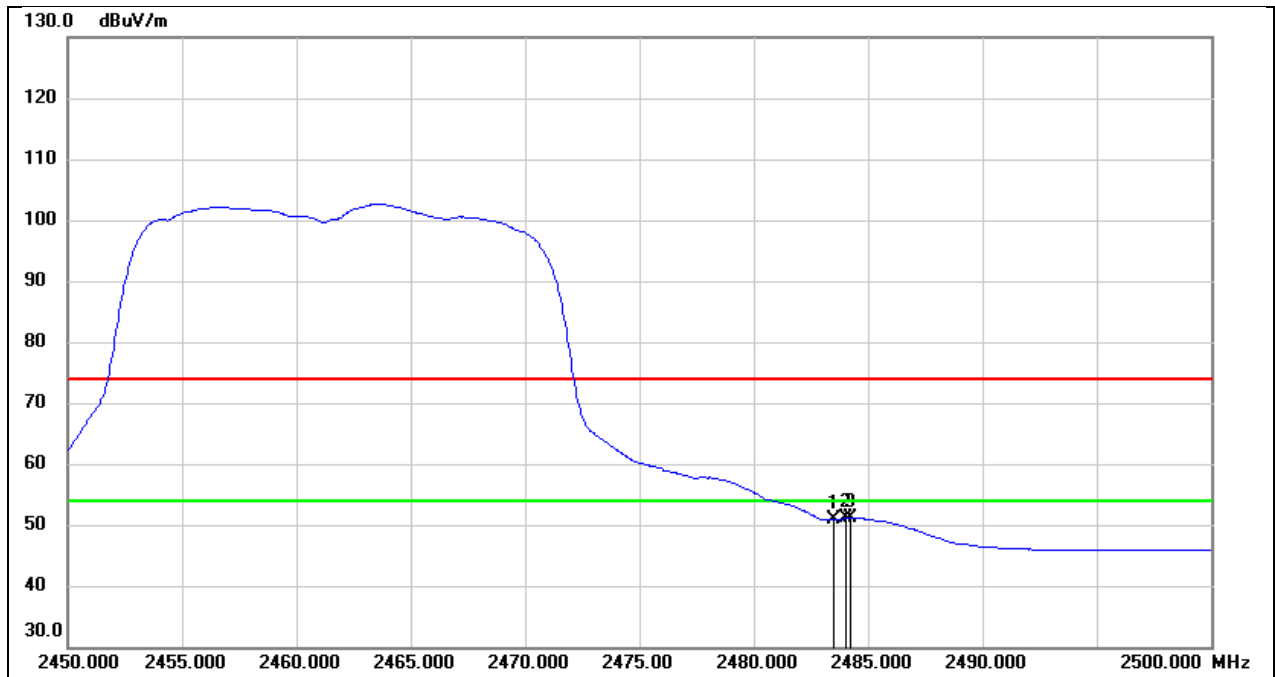
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.925	40.39	10.67	51.06	54.00	-2.94	AVG
2	2390.000	40.54	10.67	51.21	54.00	-2.79	AVG

Test Mode:	802.11n HT20 PK	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 3.635V



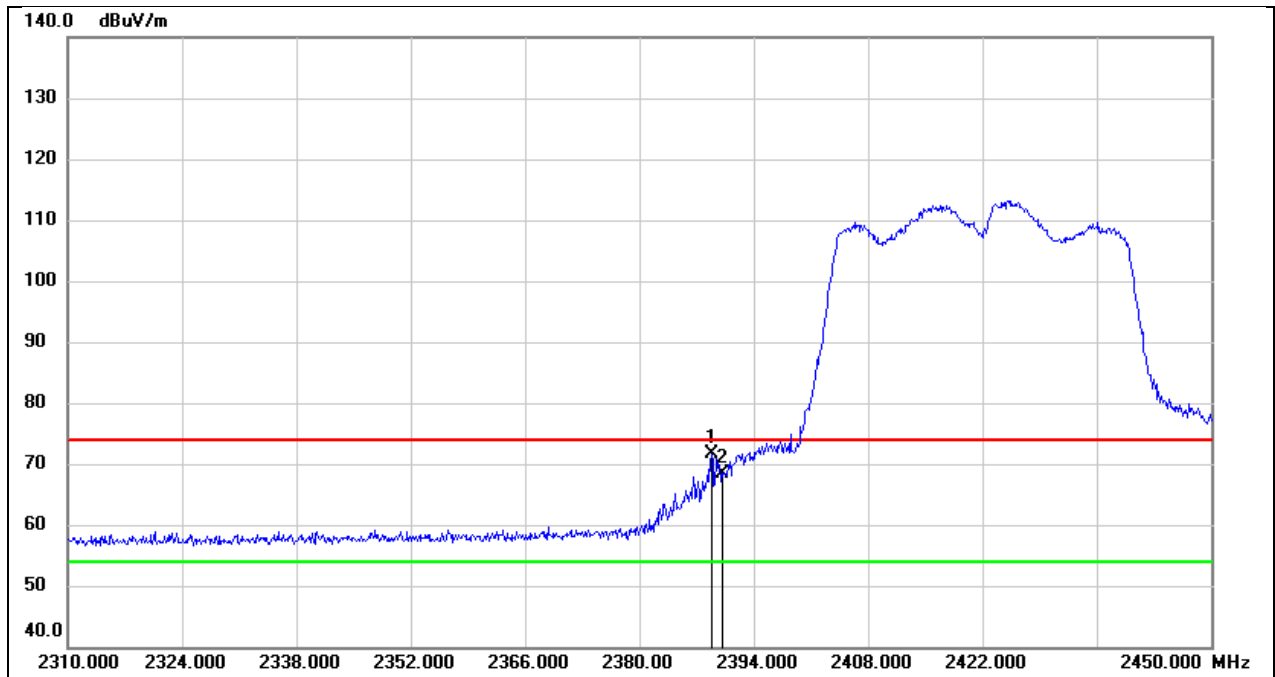
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	52.15	11.16	63.31	74.00	-10.69	peak
2	2484.000	53.87	11.16	65.03	74.00	-8.97	peak
3	2484.250	51.28	11.16	62.44	74.00	-11.56	peak

Test Mode:	802.11n HT20 AV	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 3.635V



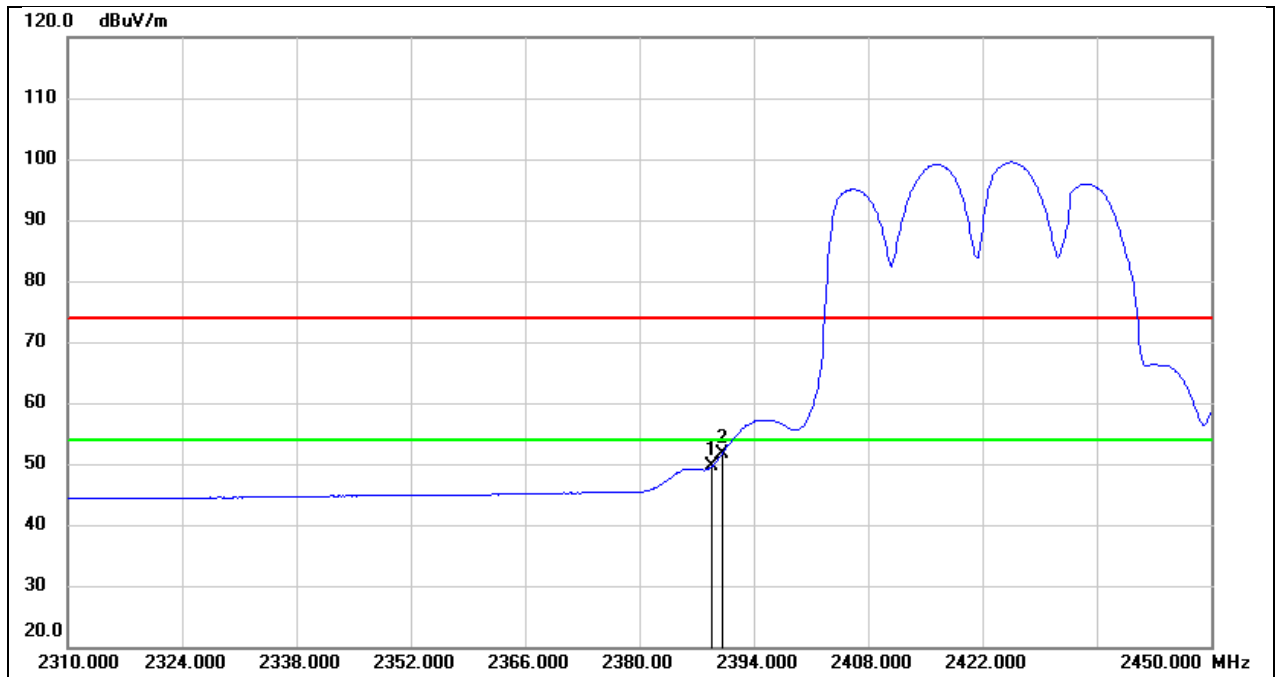
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	39.64	11.16	50.80	54.00	-3.20	AVG
2	2484.000	39.87	11.16	51.03	54.00	-2.97	AVG
3	2484.250	39.93	11.16	51.09	54.00	-2.91	AVG

Test Mode:	802.11n HT40 PK	Frequency(MHz):	2422
Polarity:	Horizontal	Test Voltage:	DC 3.635V



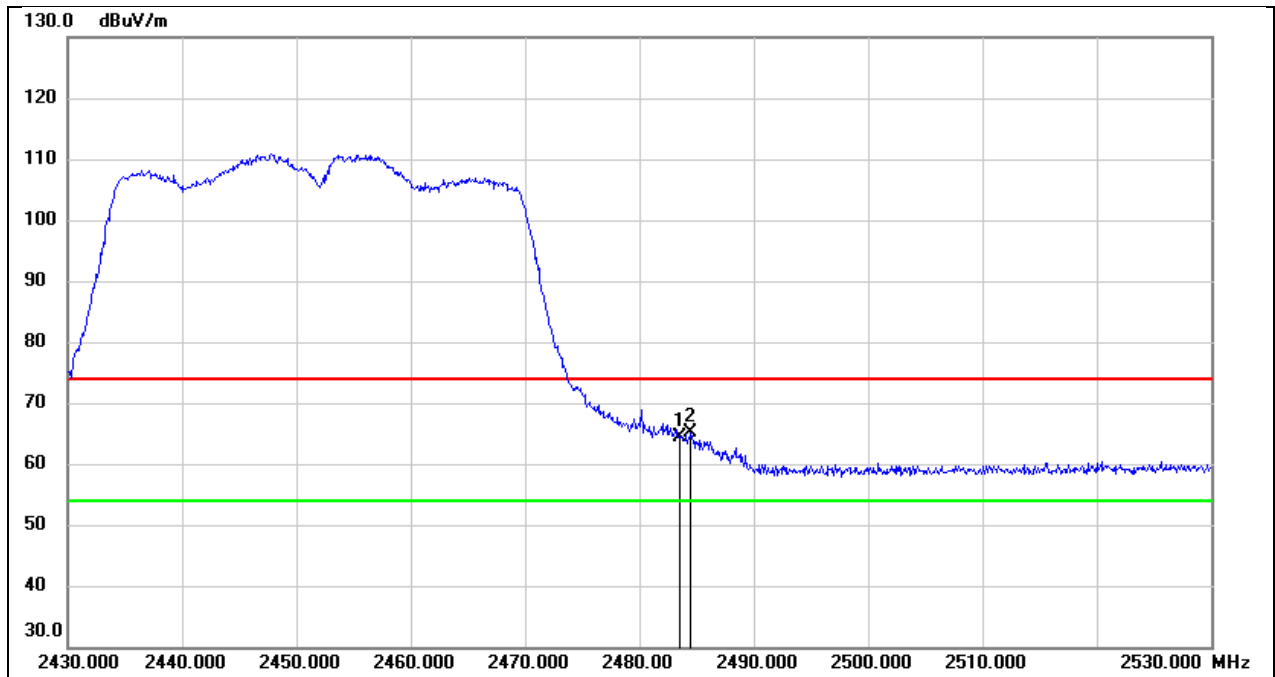
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2388.820	61.06	10.65	71.71	74.00	-2.29	peak
2	2390.000	57.61	10.67	68.28	74.00	-5.72	peak

Test Mode:	802.11n HT40 AV	Frequency(MHz):	2422
Polarity:	Horizontal	Test Voltage:	DC 3.635V



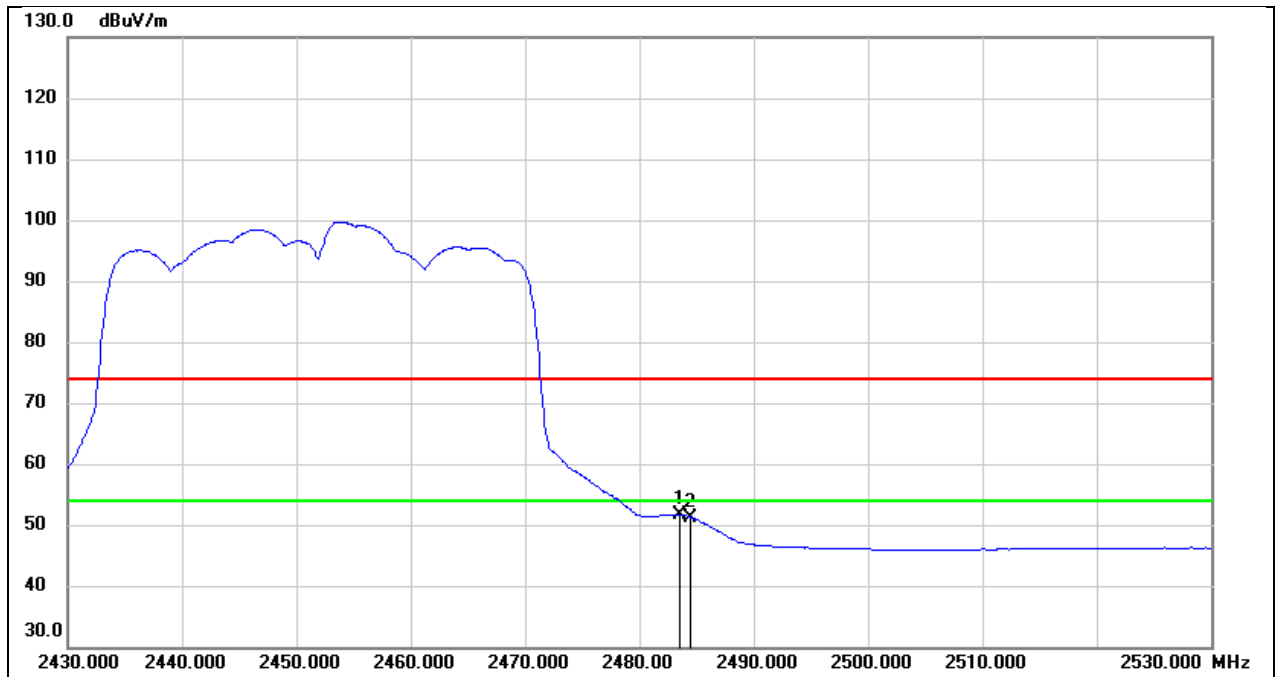
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2388.820	38.89	10.65	49.54	54.00	-4.46	AVG
2	2390.000	41.02	10.67	51.69	54.00	-2.31	AVG

Test Mode:	802.11n HT40 PK	Frequency(MHz):	2452
Polarity:	Horizontal	Test Voltage:	DC 3.635V



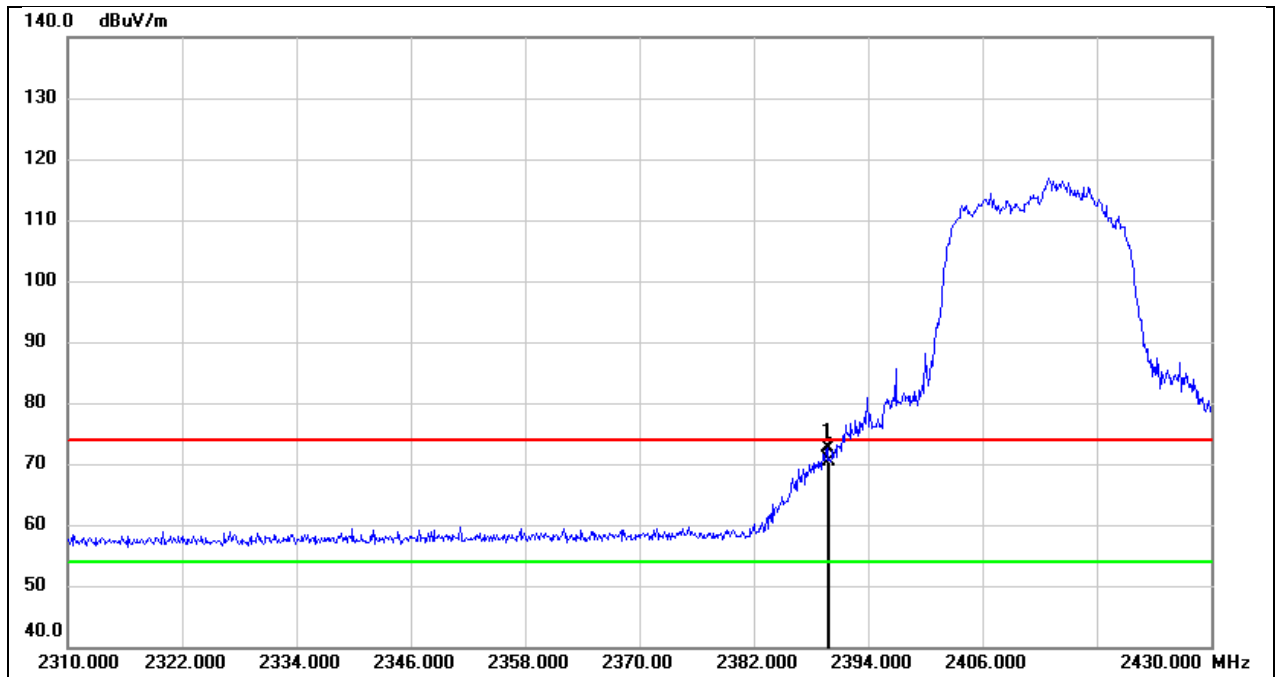
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	53.13	11.16	64.29	74.00	-9.71	peak
2	2484.500	53.87	11.16	65.03	74.00	-8.97	peak

Test Mode:	802.11n HT40 AV	Frequency(MHz):	2452
Polarity:	Horizontal	Test Voltage:	DC 3.635V



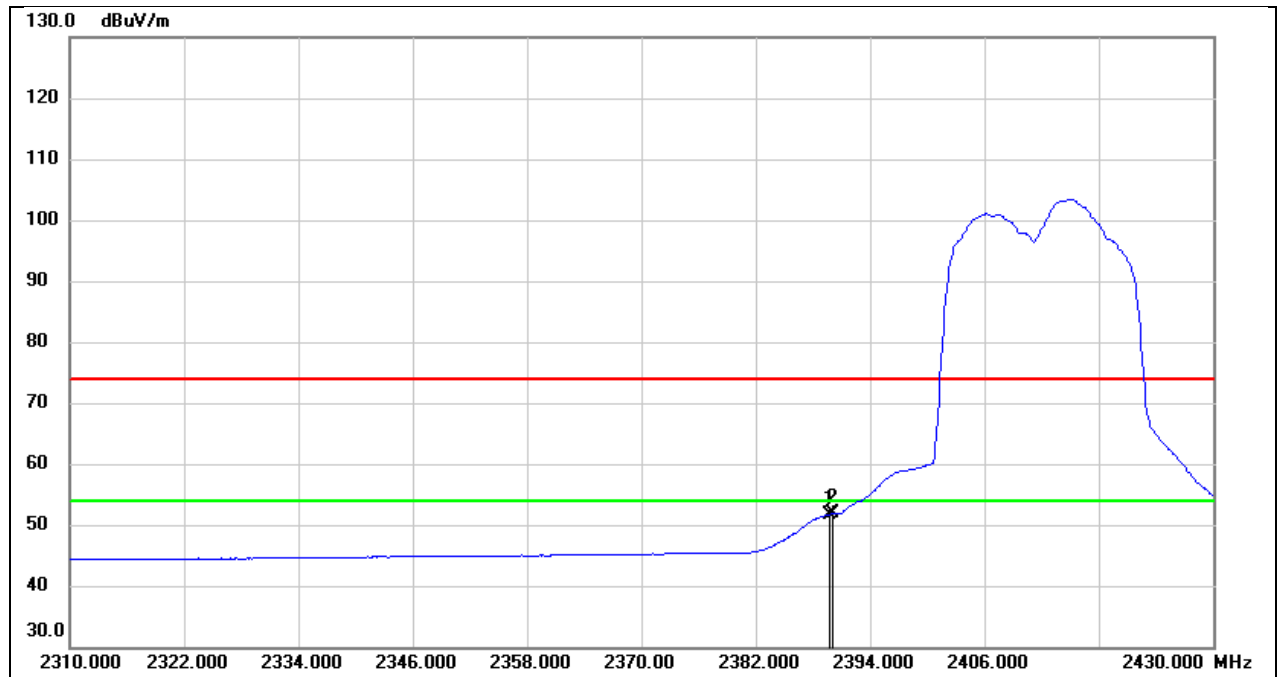
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	40.58	11.16	51.74	54.00	-2.26	AVG
2	2484.500	40.09	11.16	51.25	54.00	-2.75	AVG

Test Mode:	802.11ax HE20 PK	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 3.635V



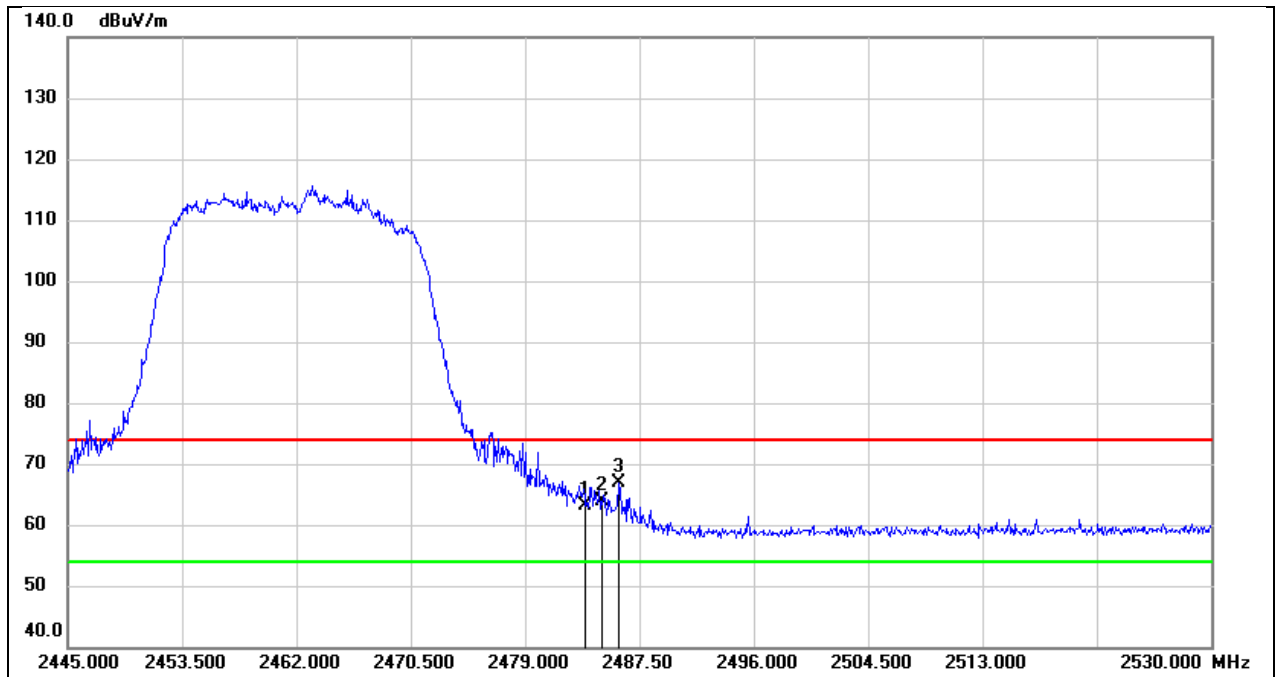
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.680	61.93	10.67	72.60	74.00	-1.40	peak
2	2390.000	59.72	10.67	70.39	74.00	-3.61	peak

Test Mode:	802.11ax HE20 AV	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 3.635V



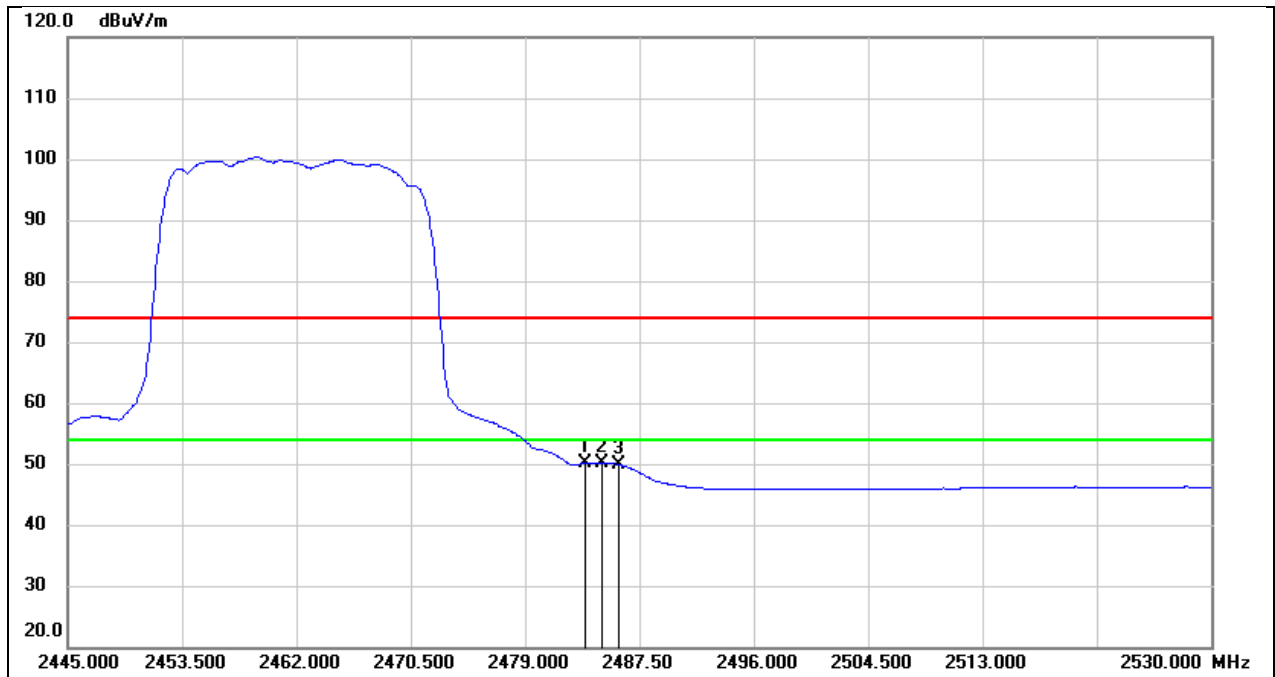
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.680	40.96	10.67	51.63	54.00	-2.37	AVG
2	2390.000	41.17	10.67	51.84	54.00	-2.16	AVG

Test Mode:	802.11ax HE20 PK	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 3.635V



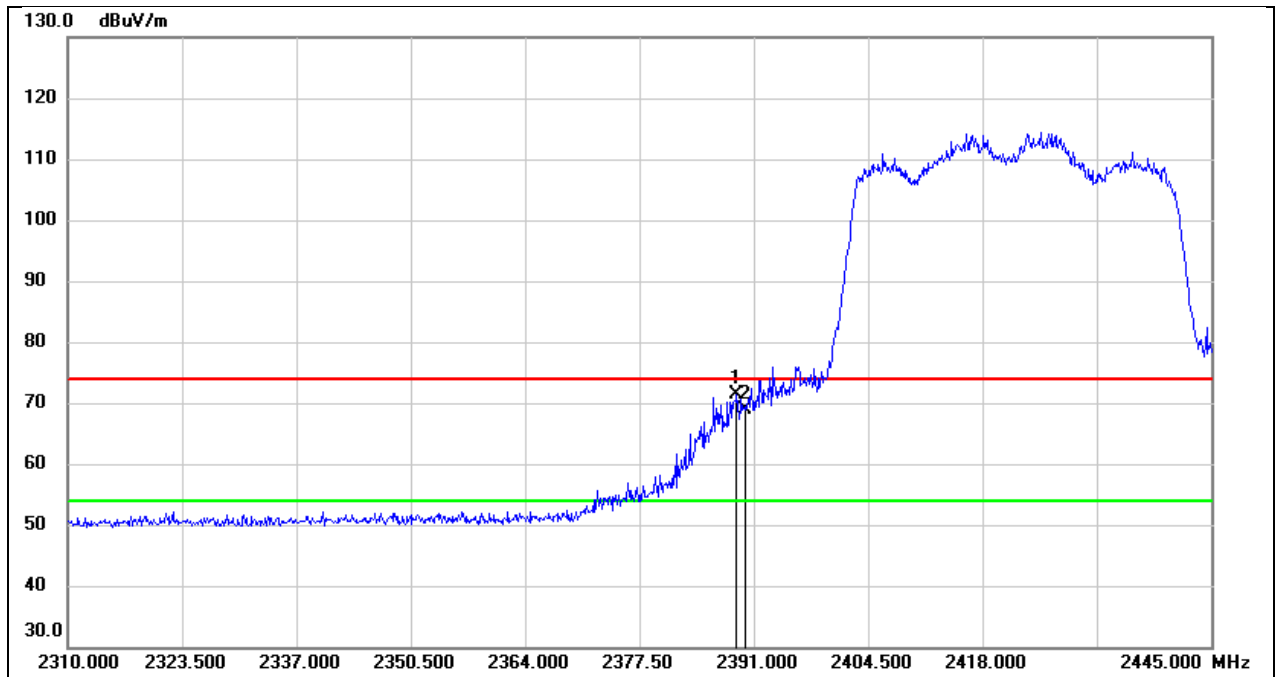
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	52.08	11.16	63.24	74.00	-10.76	peak
2	2484.695	52.80	11.16	63.96	74.00	-10.04	peak
3	2485.970	55.72	11.17	66.89	74.00	-7.11	peak

Test Mode:	802.11ax HE20 AV	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 3.635V



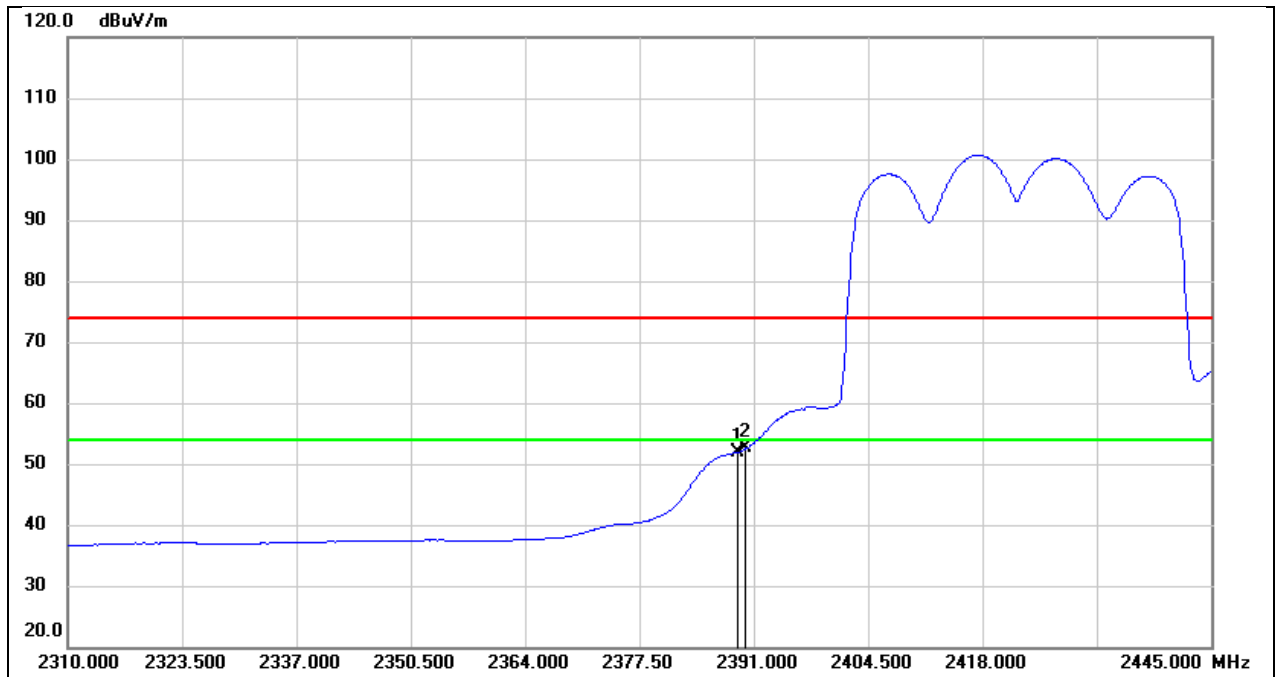
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	38.87	11.16	50.03	54.00	-3.97	AVG
2	2484.695	39.03	11.16	50.19	54.00	-3.81	AVG
3	2485.970	38.70	11.17	49.87	54.00	-4.13	AVG

Test Mode:	802.11ax HE40 PK	Frequency(MHz):	2422
Polarity:	Horizontal	Test Voltage:	DC 3.635V



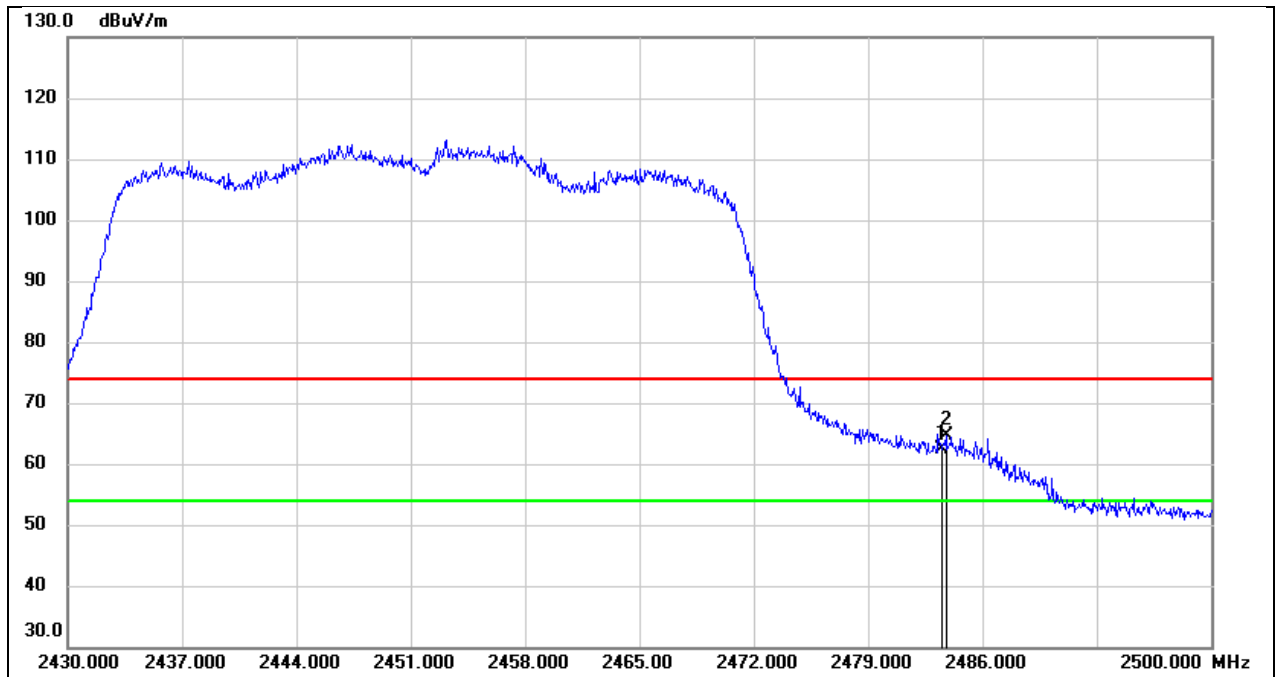
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2388.975	60.66	10.65	71.31	74.00	-2.69	peak
2	2390.000	58.14	10.67	68.81	74.00	-5.19	peak

Test Mode:	802.11ax HE40 AV	Frequency(MHz):	2422
Polarity:	Horizontal	Test Voltage:	DC 3.635V



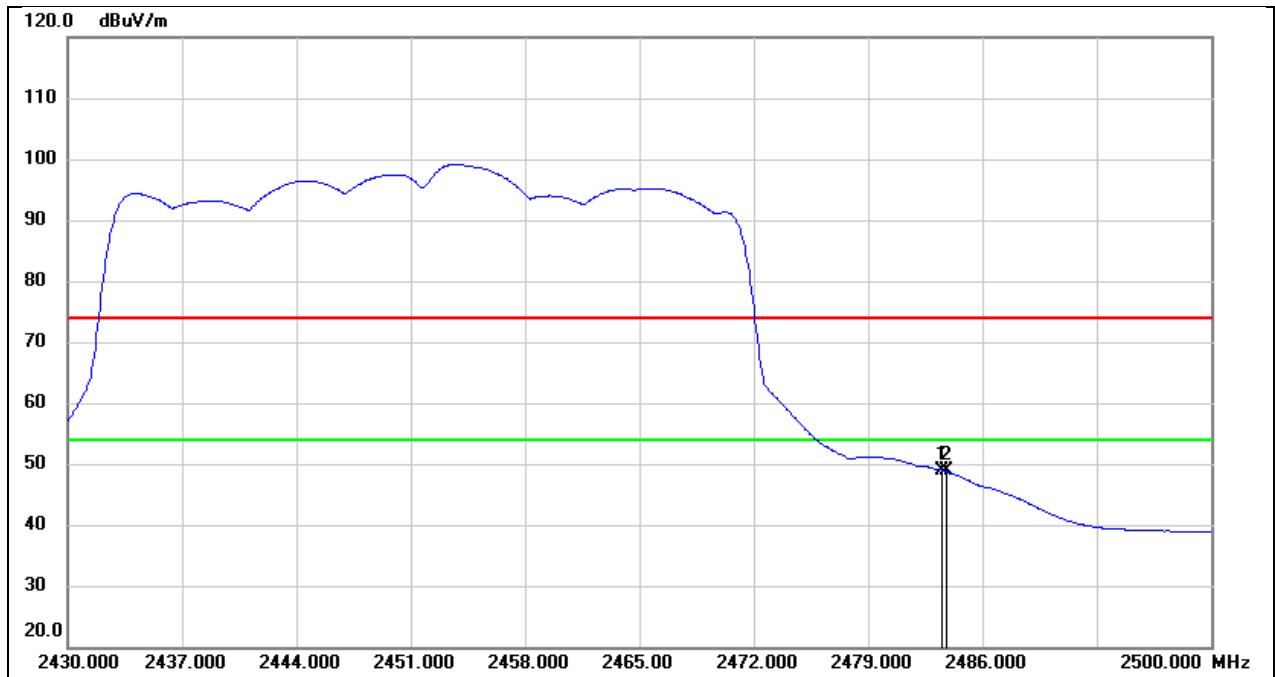
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2388.975	41.24	10.65	51.89	54.00	-2.11	AVG
2	2390.000	41.85	10.67	52.52	54.00	-1.48	AVG

Test Mode:	802.11ax HE40 PK	Frequency(MHz):	2452
Polarity:	Horizontal	Test Voltage:	DC 3.635V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	51.29	11.16	62.45	74.00	-11.55	peak
2	2483.760	53.39	11.16	64.55	74.00	-9.45	peak

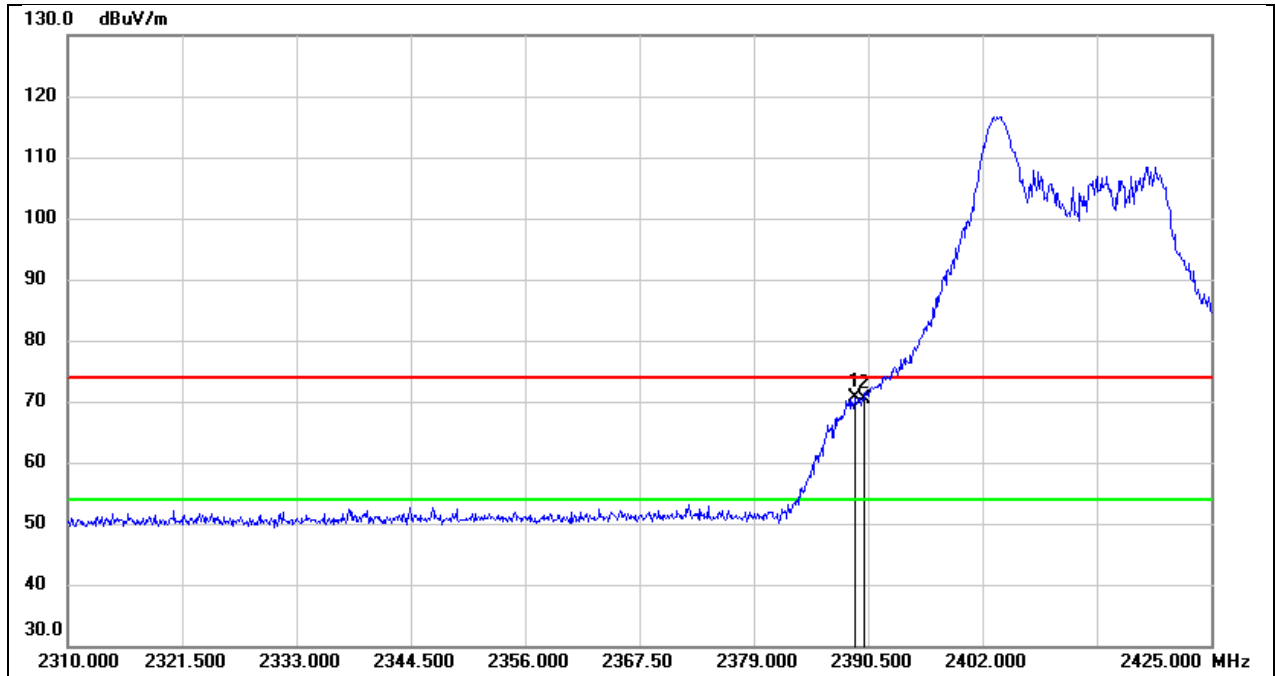
Test Mode:	802.11ax HE40 AV	Frequency(MHz):	2452
Polarity:	Horizontal	Test Voltage:	DC 3.635V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	37.84	11.16	49.00	54.00	-5.00	AVG
2	2483.760	37.64	11.16	48.80	54.00	-5.20	AVG

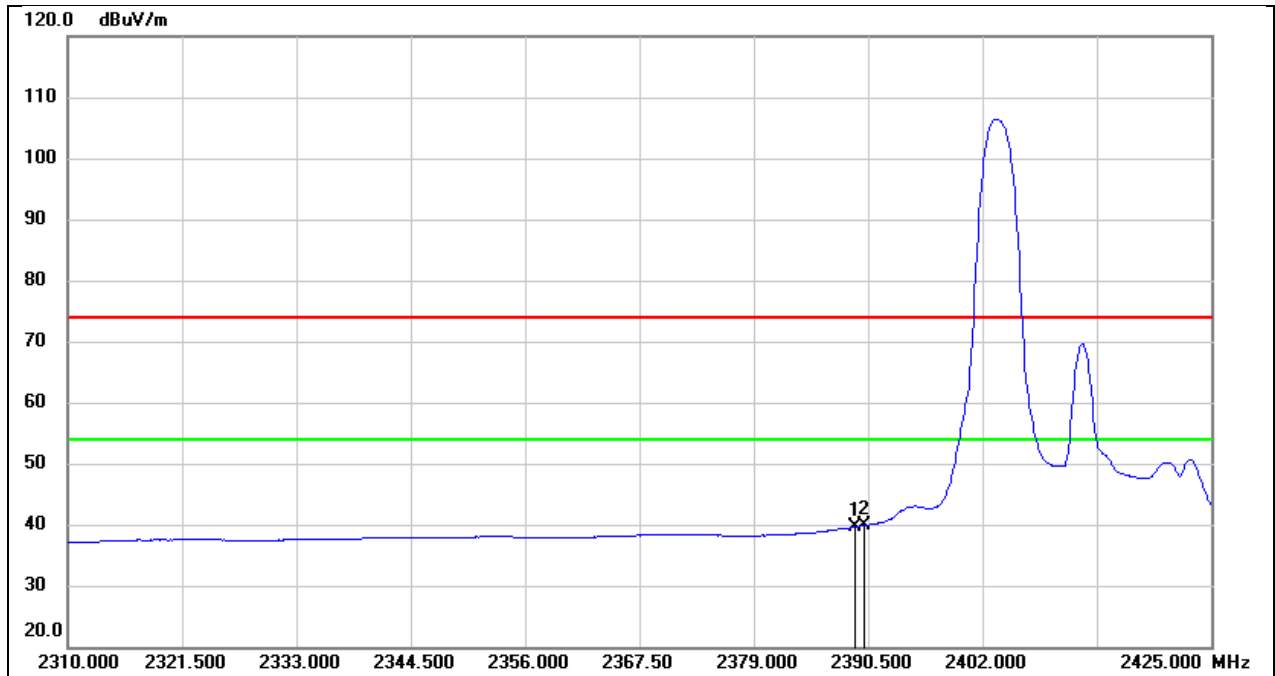
8.2. RESTRICTED BANDEDGE – PARTIAL RU

Test Mode:	802.11ax HE20 Tone26 RU0 PK	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 3.635V



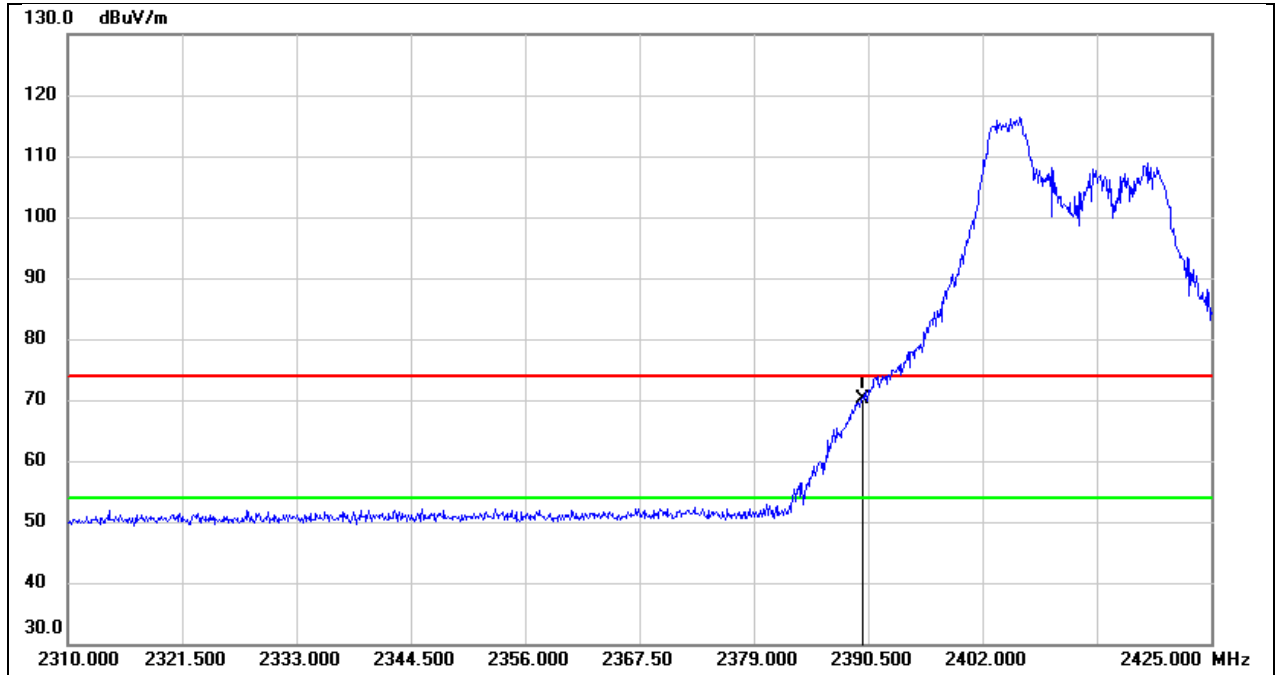
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.235	60.08	10.66	70.74	74.00	-3.26	peak
2	2390.000	59.67	10.67	70.34	74.00	-3.66	peak

Test Mode:	802.11ax HE20 Tone26 RU0 AV	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 3.635V



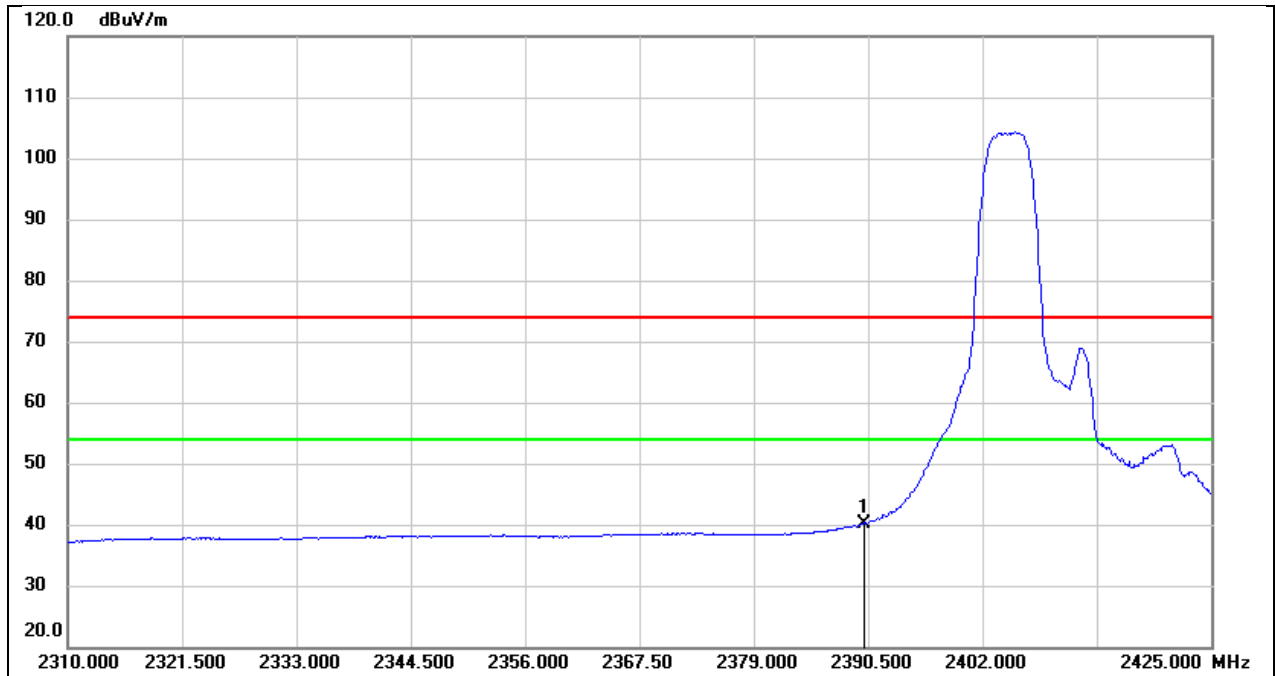
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.235	28.95	10.66	39.61	54.00	-14.39	AVG
2	2390.000	29.16	10.67	39.83	54.00	-14.17	AVG

Test Mode:	802.11ax HE20 Tone52 RU37 PK	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 3.635V



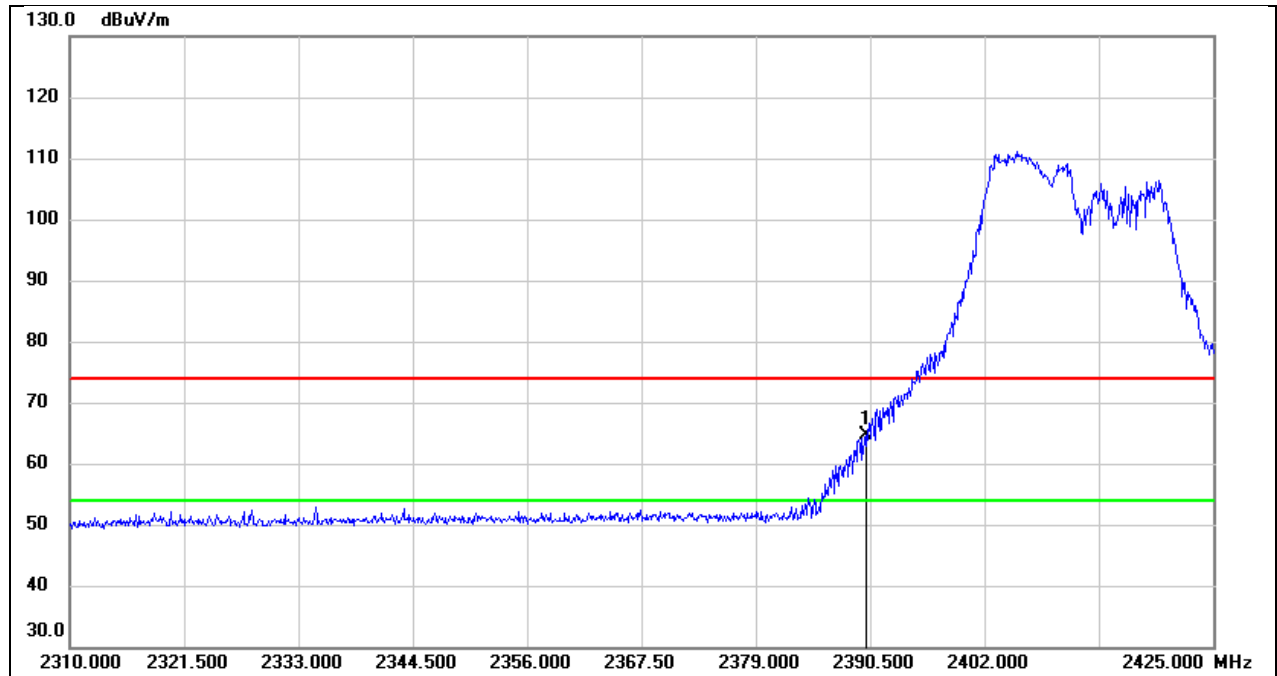
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	59.54	10.67	70.21	74.00	-3.79	peak

Test Mode:	802.11ax HE20 Tone52 RU37 AV	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 3.635V



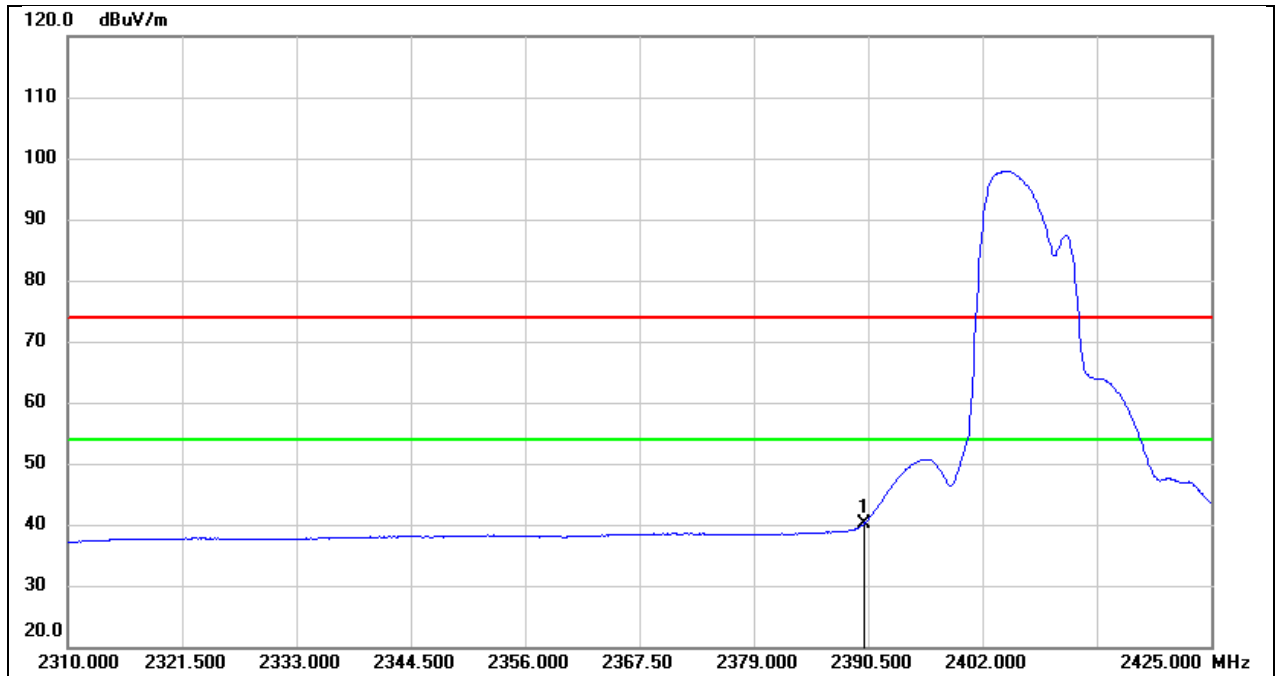
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	29.58	10.67	40.25	54.00	-13.75	AVG

Test Mode:	802.11ax HE20 Tone106 RU53 PK	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 3.635V



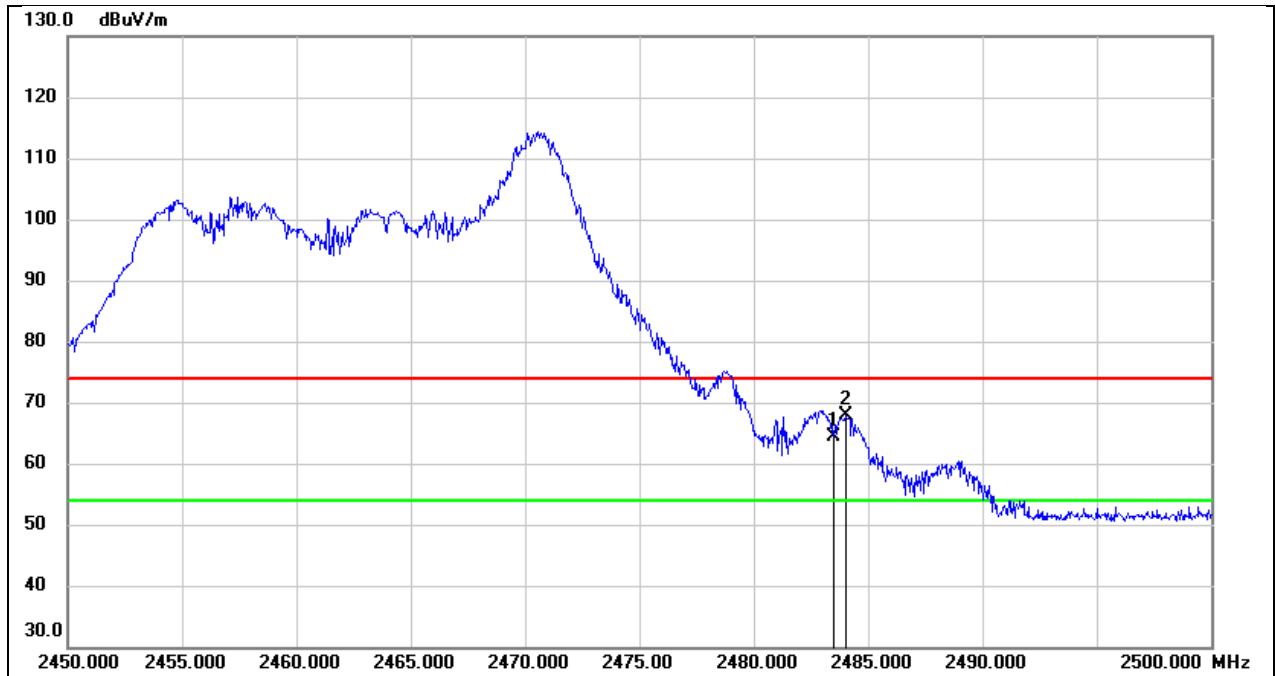
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	53.91	10.67	64.58	74.00	-9.42	peak

Test Mode:	802.11ax HE20 Tone106 RU53 AV	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 3.635V



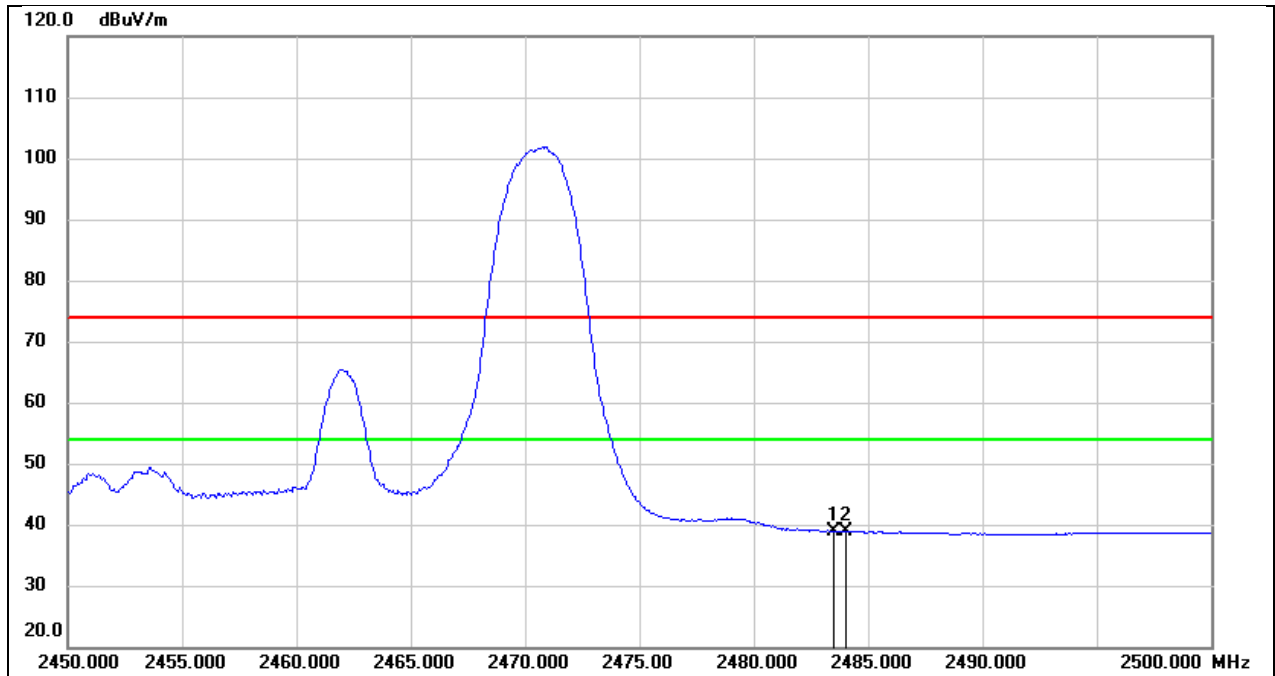
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	29.42	10.67	40.09	54.00	-13.91	AVG

Test Mode:	802.11ax HE20 Tone26 RU8 PK	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 3.635V



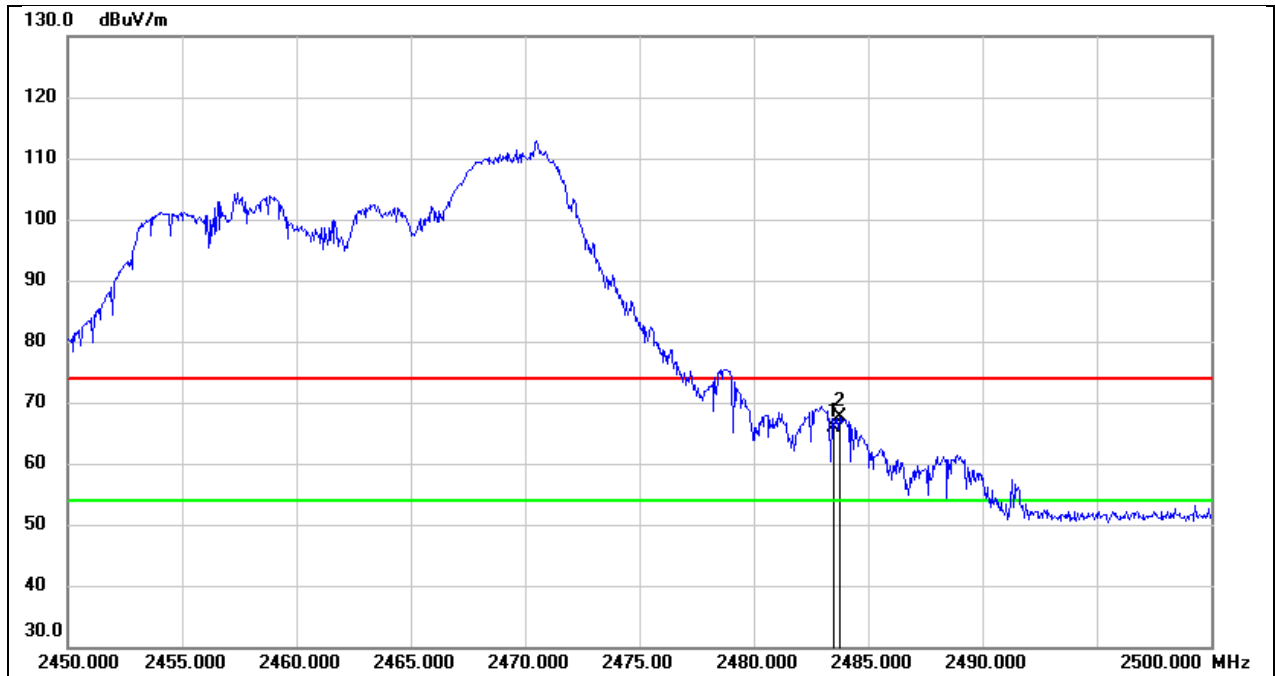
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	53.22	11.16	64.38	74.00	-9.62	peak
2	2484.050	56.63	11.16	67.79	74.00	-6.21	peak

Test Mode:	802.11ax HE20 Tone26 RU8 AV	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 3.635V



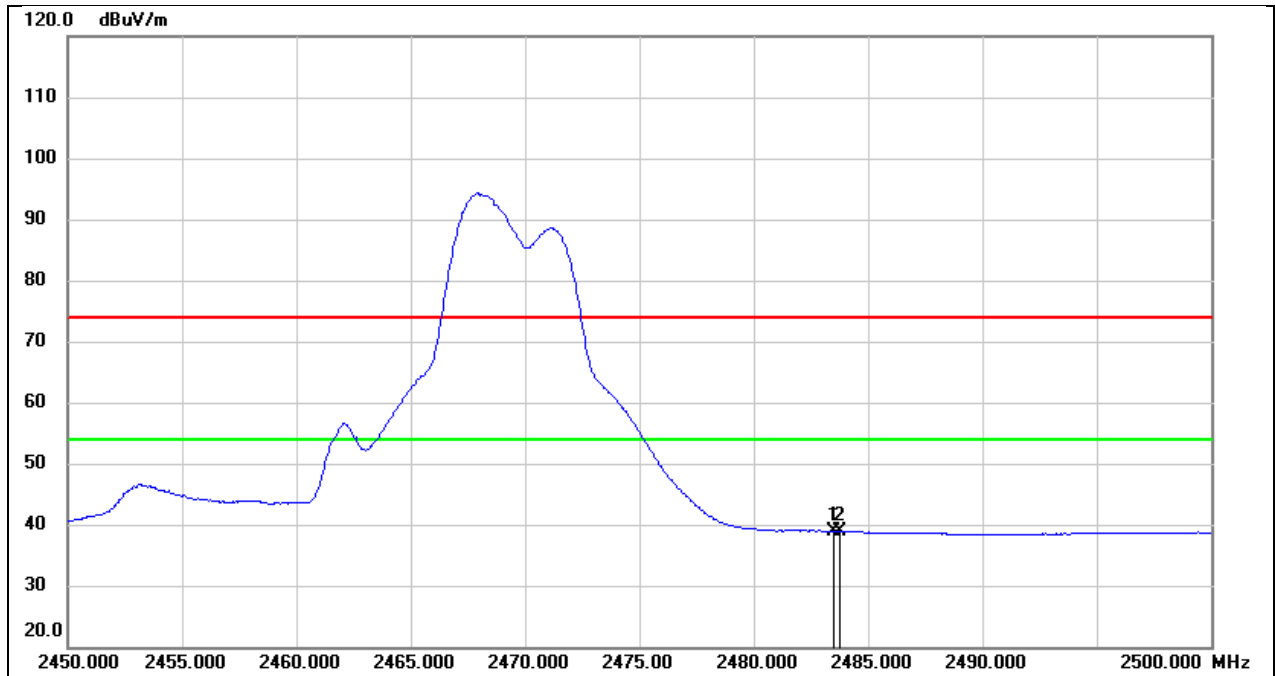
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	27.70	11.16	38.86	54.00	-15.14	AVG
2	2484.050	27.62	11.16	38.78	54.00	-15.22	AVG

Test Mode:	802.11ax HE20 Tone52 RU40 PK	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 3.635V



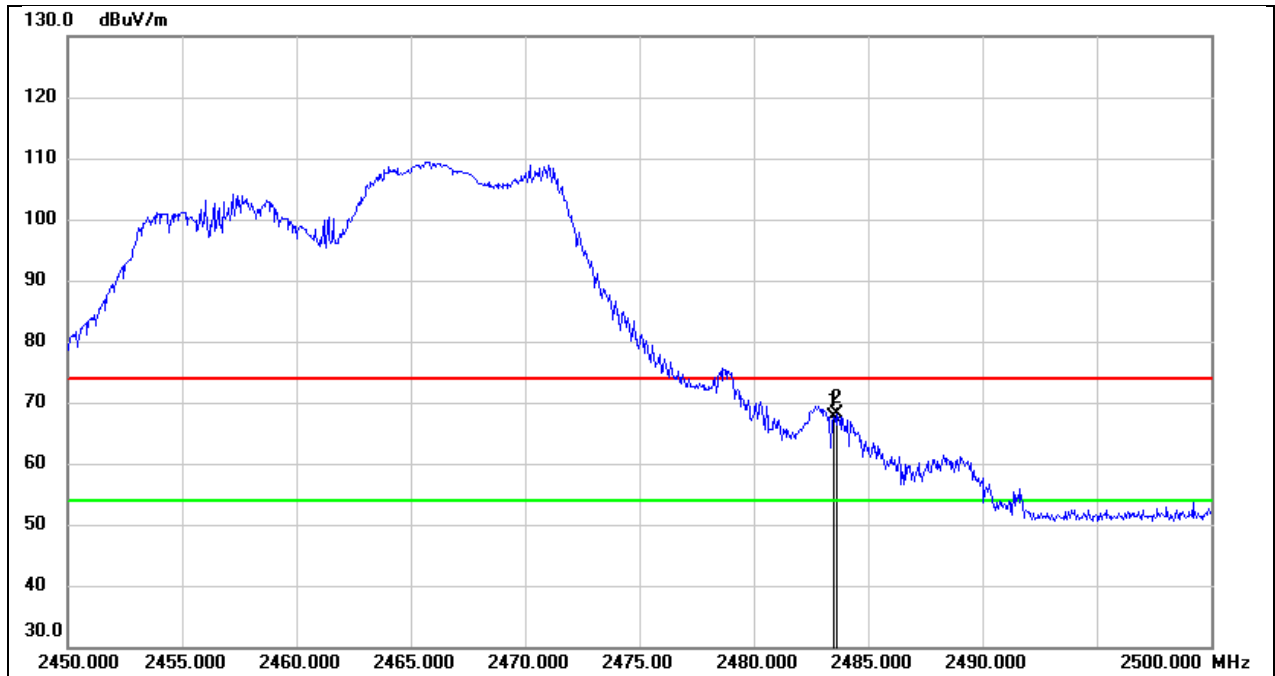
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	54.69	11.16	65.85	74.00	-8.15	peak
2	2483.750	56.39	11.16	67.55	74.00	-6.45	peak

Test Mode:	802.11ax HE20 Tone52 RU40 AV	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 3.635V



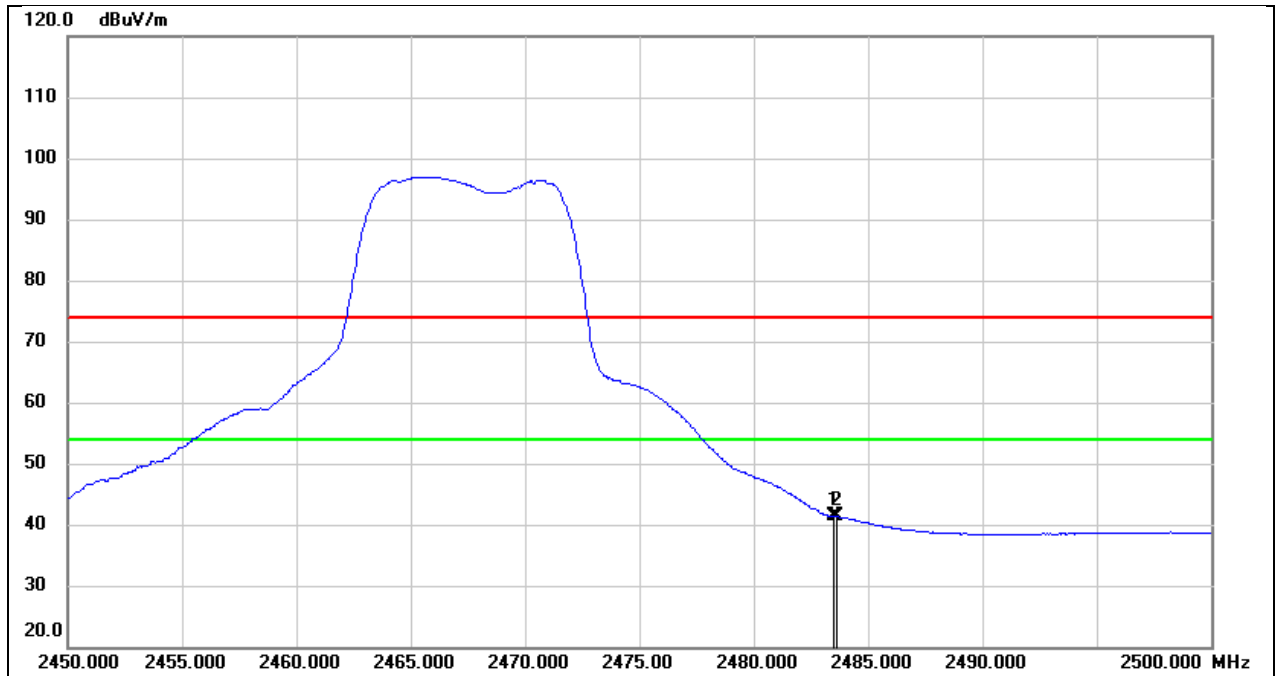
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	27.80	11.16	38.96	54.00	-15.04	AVG
2	2483.750	27.77	11.16	38.93	54.00	-15.07	AVG

Test Mode:	802.11ax HE20 Tone106 RU54 PK	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 3.635V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	56.36	11.16	67.52	74.00	-6.48	peak
2	2483.650	56.87	11.16	68.03	74.00	-5.97	peak

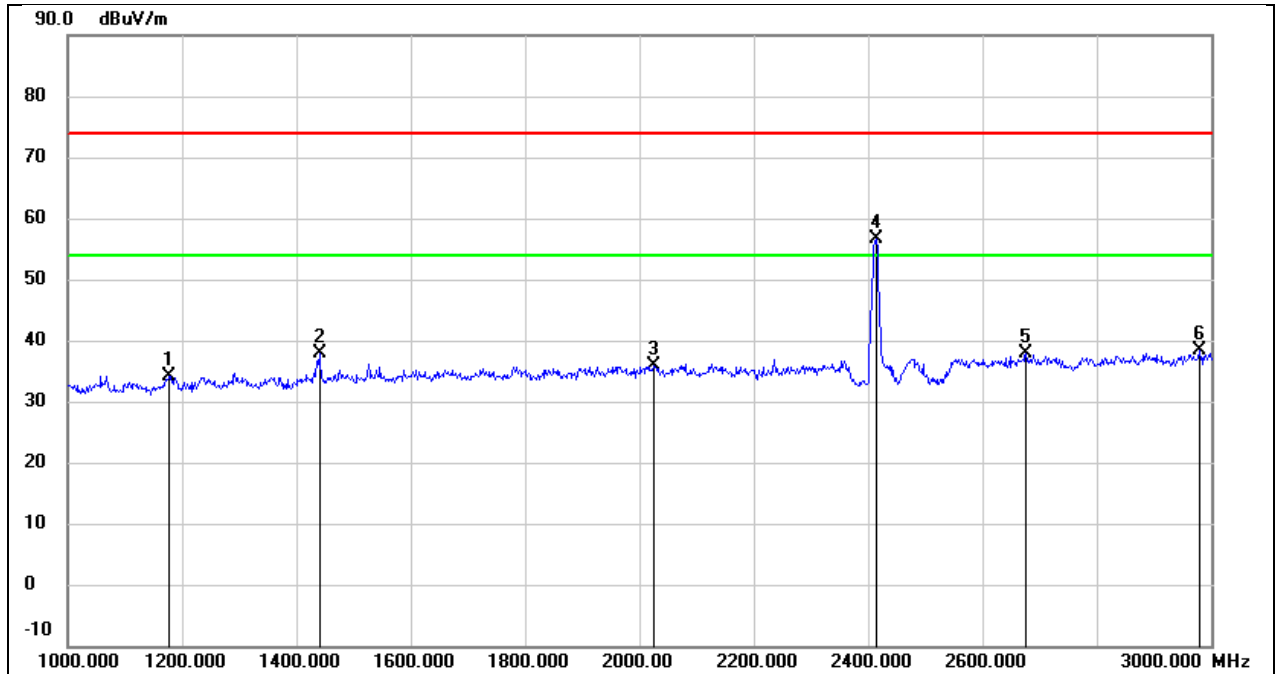
Test Mode:	802.11ax HE20 Tone106 RU54 AV	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 3.635V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	30.26	11.16	41.42	54.00	-12.58	AVG
2	2483.650	30.15	11.16	41.31	54.00	-12.69	AVG

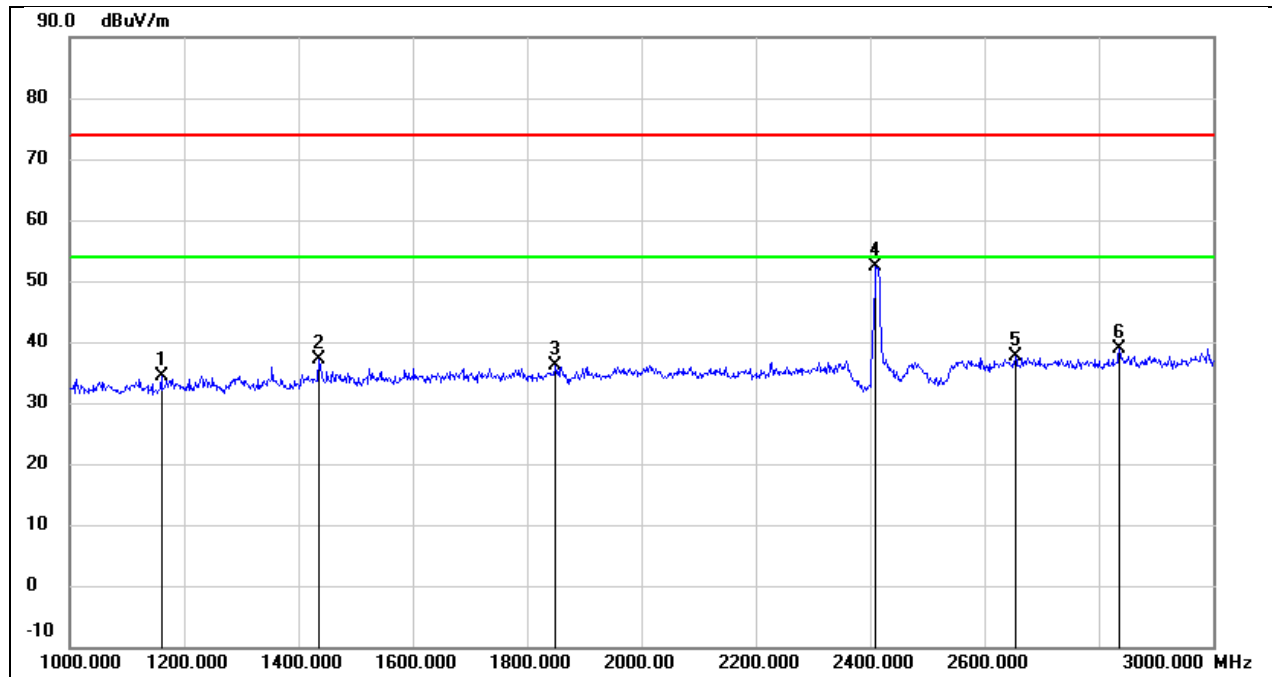
8.3. SPURIOUS EMISSIONS(1 GHZ~3 GHZ)

Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 3.635V



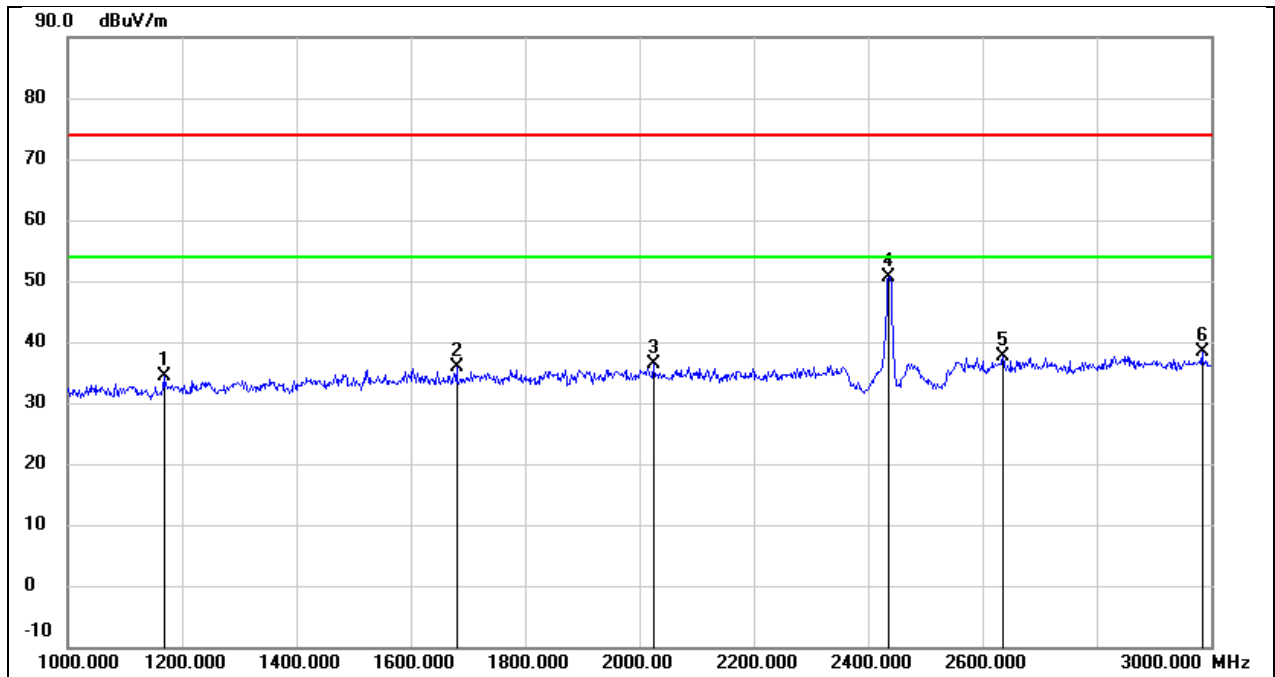
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1178.000	47.30	-13.11	34.19	74.00	-39.81	peak
2	1440.000	49.72	-11.91	37.81	74.00	-36.19	peak
3	2026.000	45.51	-9.72	35.79	74.00	-38.21	peak
4	2412.000	64.92	-8.39	56.53	/	/	fundamental
5	2676.000	45.08	-7.25	37.83	74.00	-36.17	peak
6	2980.000	44.41	-6.11	38.30	74.00	-35.70	peak

Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 3.635V



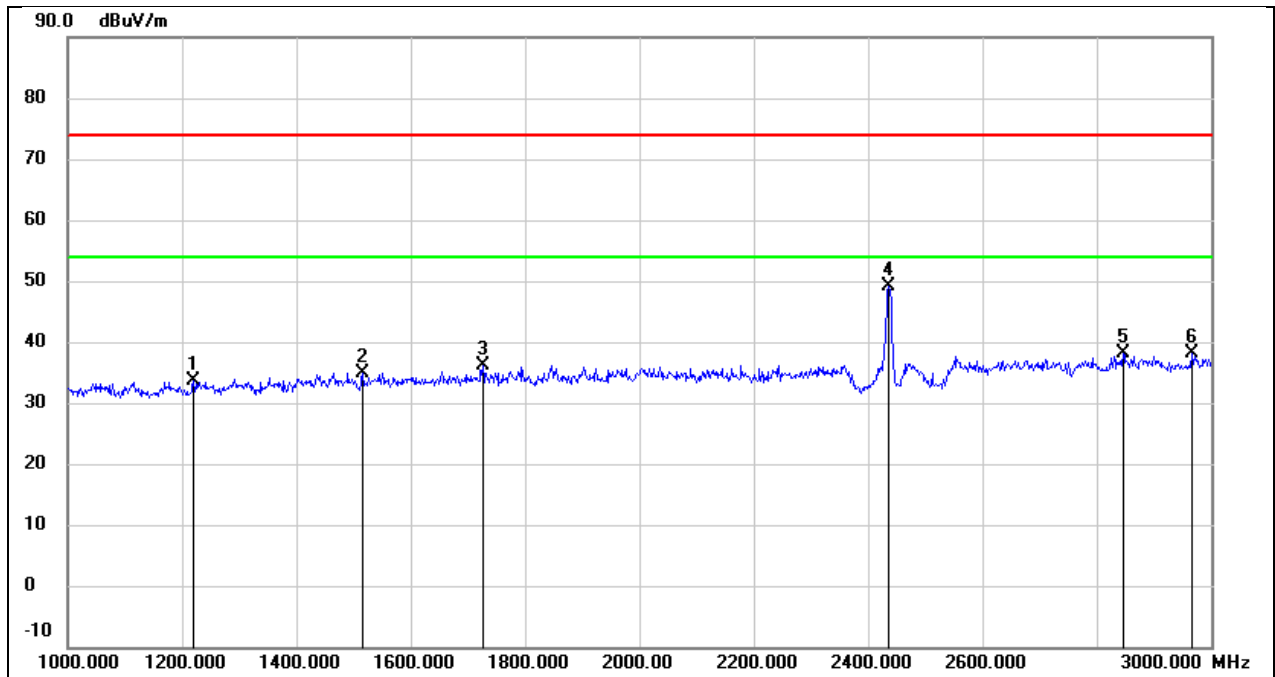
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1160.000	47.63	-13.19	34.44	74.00	-39.56	peak
2	1436.000	49.06	-11.93	37.13	74.00	-36.87	peak
3	1850.000	46.50	-10.38	36.12	74.00	-37.88	peak
4	2412.000	60.68	-8.42	52.26	/	/	fundamental
5	2654.000	44.85	-7.33	37.52	74.00	-36.48	peak
6	2836.000	45.52	-6.67	38.85	74.00	-35.15	peak

Test Mode:	802.11b	Frequency(MHz):	2437
Polarity:	Horizontal	Test Voltage:	DC 3.635V



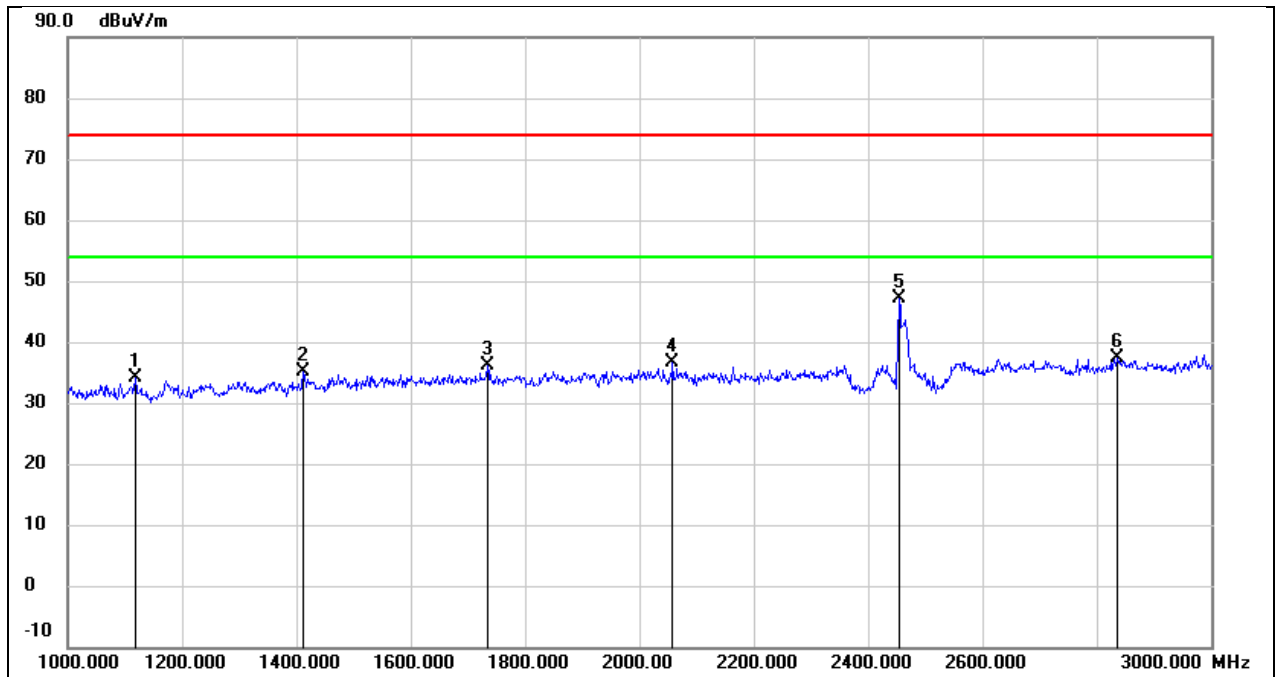
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1168.000	47.58	-13.15	34.43	74.00	-39.57	peak
2	1680.000	46.85	-11.02	35.83	74.00	-38.17	peak
3	2024.000	46.02	-9.71	36.31	74.00	-37.69	peak
4	2437.000	59.03	-8.28	50.75	/	/	fundamental
5	2636.000	45.13	-7.40	37.73	74.00	-36.27	peak
6	2984.000	44.61	-6.11	38.50	74.00	-35.50	peak

Test Mode:	802.11b	Frequency(MHz):	2437
Polarity:	Vertical	Test Voltage:	DC 3.635V



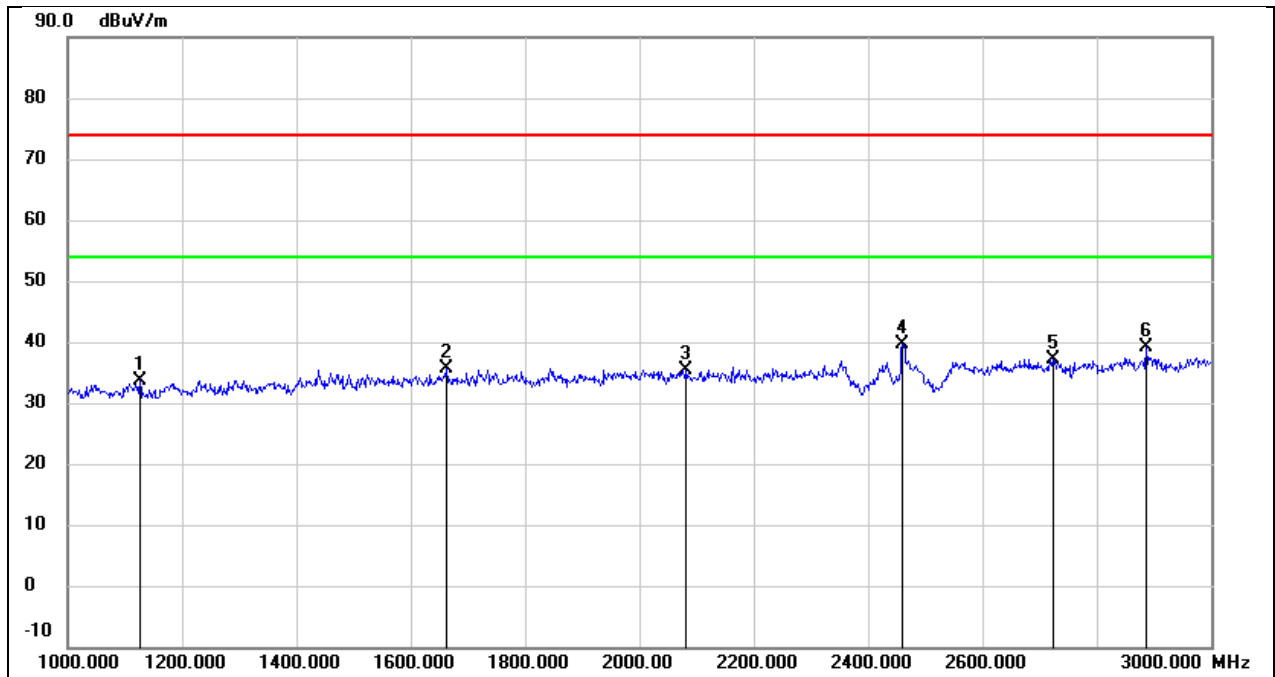
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1220.000	46.51	-12.91	33.60	74.00	-40.40	peak
2	1516.000	46.46	-11.58	34.88	74.00	-39.12	peak
3	1726.000	46.89	-10.85	36.04	74.00	-37.96	peak
4	2437.000	57.32	-8.28	49.04	/	/	fundamental
5	2846.000	44.87	-6.64	38.23	74.00	-35.77	peak
6	2966.000	44.38	-6.17	38.21	74.00	-35.79	peak

Test Mode:	802.11b	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 3.635V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1118.000	47.45	-13.38	34.07	74.00	-39.93	peak
2	1412.000	47.07	-12.04	35.03	74.00	-38.97	peak
3	1734.000	46.97	-10.83	36.14	74.00	-37.86	peak
4	2058.000	46.42	-9.71	36.71	74.00	-37.29	peak
5	2462.000	55.42	-8.20	47.22	/	/	fundamental
6	2836.000	44.13	-6.67	37.46	74.00	-36.54	peak

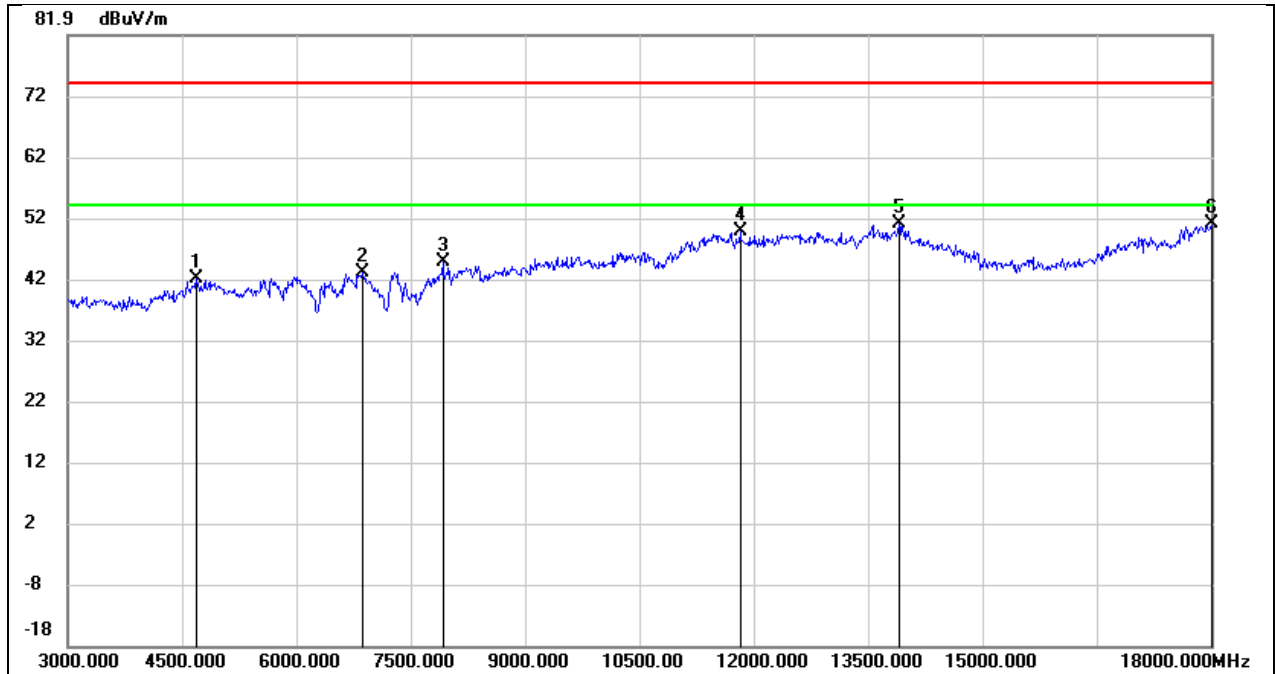
Test Mode:	802.11b	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 3.635V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1126.000	47.08	-13.34	33.74	74.00	-40.26	peak
2	1662.000	46.69	-11.08	35.61	74.00	-38.39	peak
3	2082.000	45.11	-9.71	35.40	74.00	-38.60	peak
4	2462.000	47.85	-8.18	39.67	/	/	fundamental
5	2724.000	44.31	-7.09	37.22	74.00	-36.78	peak
6	2886.000	45.60	-6.48	39.12	74.00	-34.88	peak

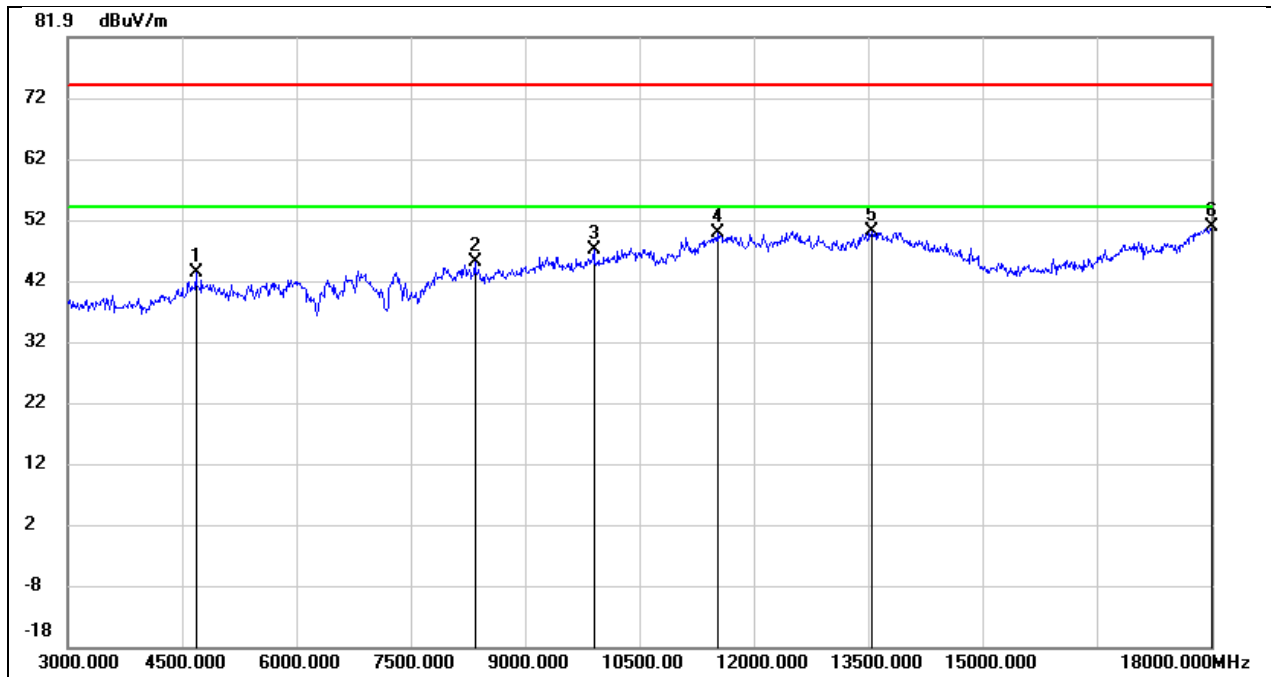
8.4. SPURIOUS EMISSIONS(3 GHZ~18 GHZ)

Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 3.635V



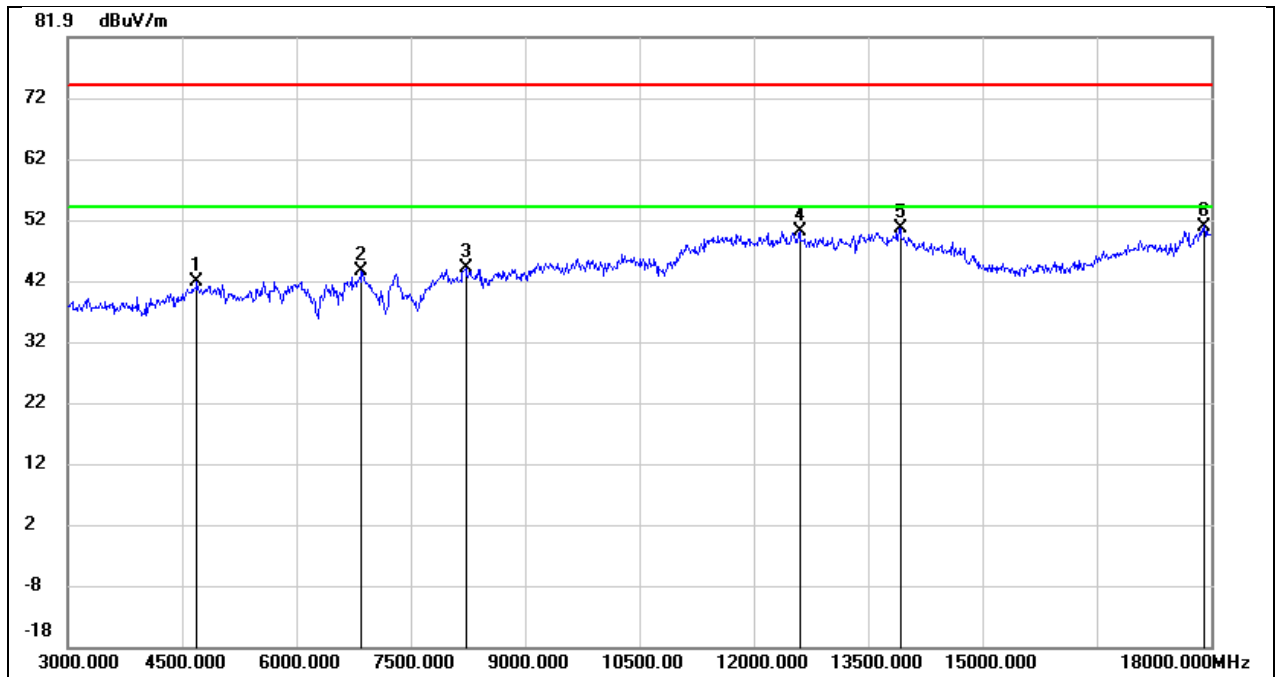
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4680.000	42.08	-0.13	41.95	74.00	-32.05	peak
2	6870.000	37.44	5.58	43.02	74.00	-30.98	peak
3	7920.000	36.90	7.76	44.66	74.00	-29.34	peak
4	11820.000	32.07	17.80	49.87	74.00	-24.13	peak
5	13905.000	27.25	23.69	50.94	74.00	-23.06	peak
6	18000.000	22.95	27.98	50.93	74.00	-23.07	peak

Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 3.635V



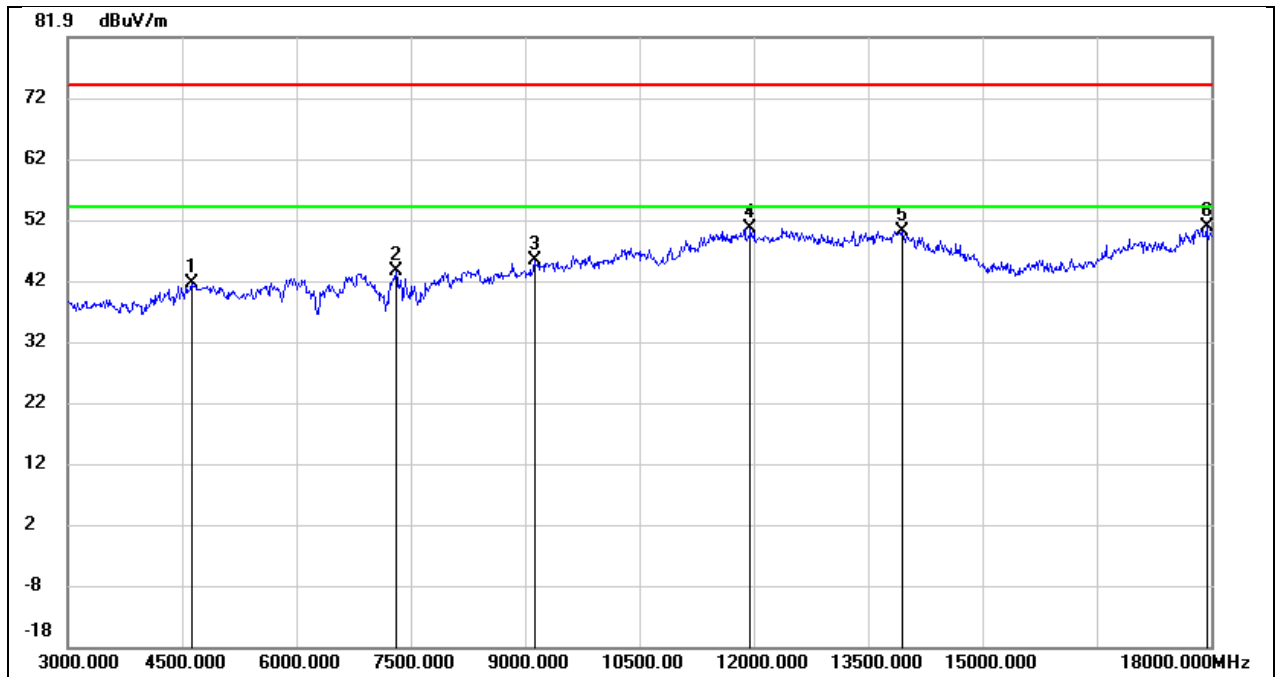
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4680.000	43.37	-0.13	43.24	74.00	-30.76	peak
2	8340.000	36.93	8.15	45.08	74.00	-28.92	peak
3	9900.000	34.64	12.40	47.04	74.00	-26.96	peak
4	11520.000	32.79	16.89	49.68	74.00	-24.32	peak
5	13545.000	27.44	22.59	50.03	74.00	-23.97	peak
6	18000.000	22.90	27.98	50.88	74.00	-23.12	peak

Test Mode:	802.11b	Frequency(MHz):	2437
Polarity:	Horizontal	Test Voltage:	DC 3.635V



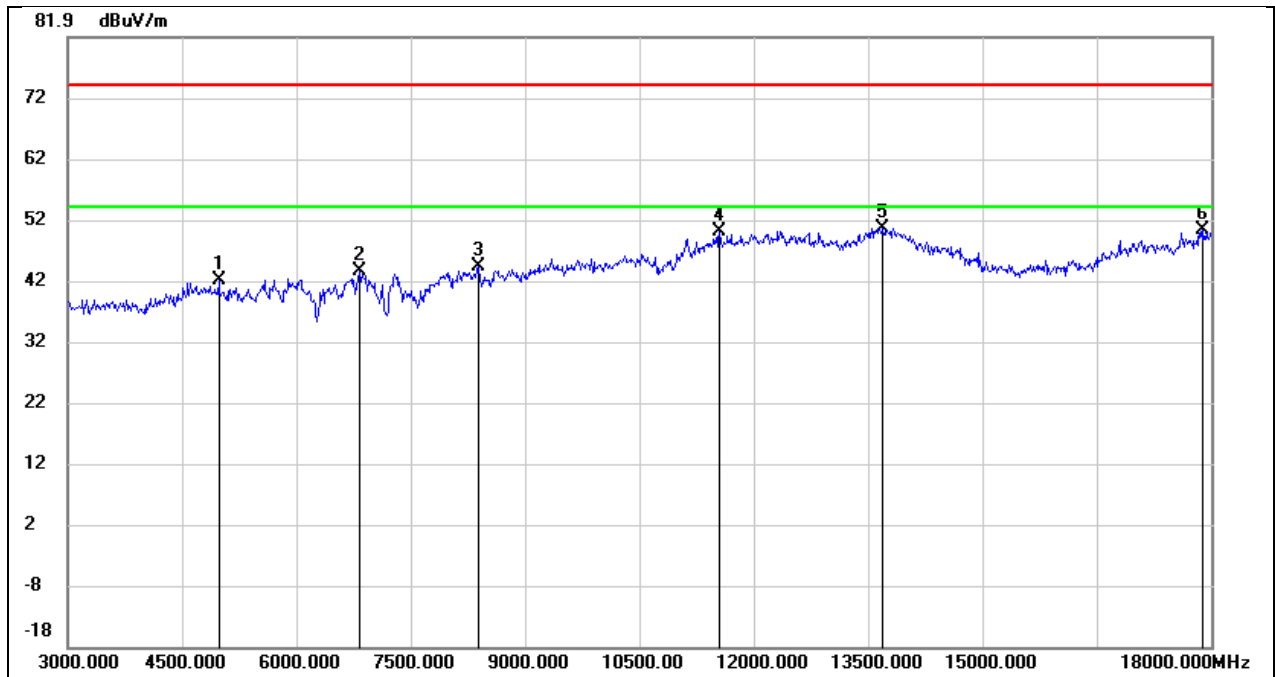
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4695.000	41.87	-0.10	41.77	74.00	-32.23	peak
2	6855.000	38.00	5.53	43.53	74.00	-30.47	peak
3	8220.000	35.90	8.08	43.98	74.00	-30.02	peak
4	12600.000	30.84	19.25	50.09	74.00	-23.91	peak
5	13920.000	26.79	23.76	50.55	74.00	-23.45	peak
6	17910.000	23.49	27.41	50.90	74.00	-23.10	peak

Test Mode:	802.11b	Frequency(MHz):	2437
Polarity:	Vertical	Test Voltage:	DC 3.635V



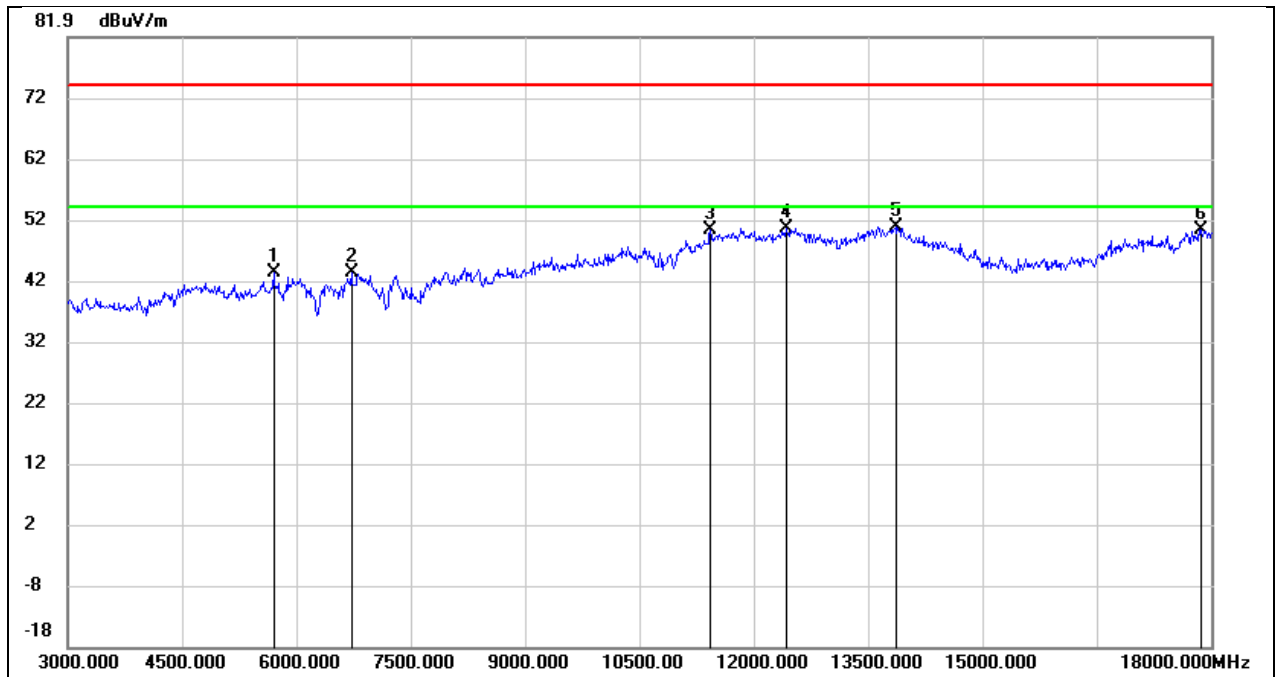
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4620.000	41.77	-0.30	41.47	74.00	-32.53	peak
2	7305.000	36.89	6.65	43.54	74.00	-30.46	peak
3	9120.000	35.40	9.77	45.17	74.00	-28.83	peak
4	11955.000	32.30	18.15	50.45	74.00	-23.55	peak
5	13950.000	26.17	23.87	50.04	74.00	-23.96	peak
6	17940.000	23.06	27.61	50.67	74.00	-23.33	peak

Test Mode:	802.11b	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 3.635V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4980.000	41.46	0.58	42.04	74.00	-31.96	peak
2	6825.000	38.20	5.42	43.62	74.00	-30.38	peak
3	8385.000	36.01	8.17	44.18	74.00	-29.82	peak
4	11550.000	32.93	16.99	49.92	74.00	-24.08	peak
5	13680.000	27.67	22.96	50.63	74.00	-23.37	peak
6	17895.000	22.84	27.32	50.16	74.00	-23.84	peak

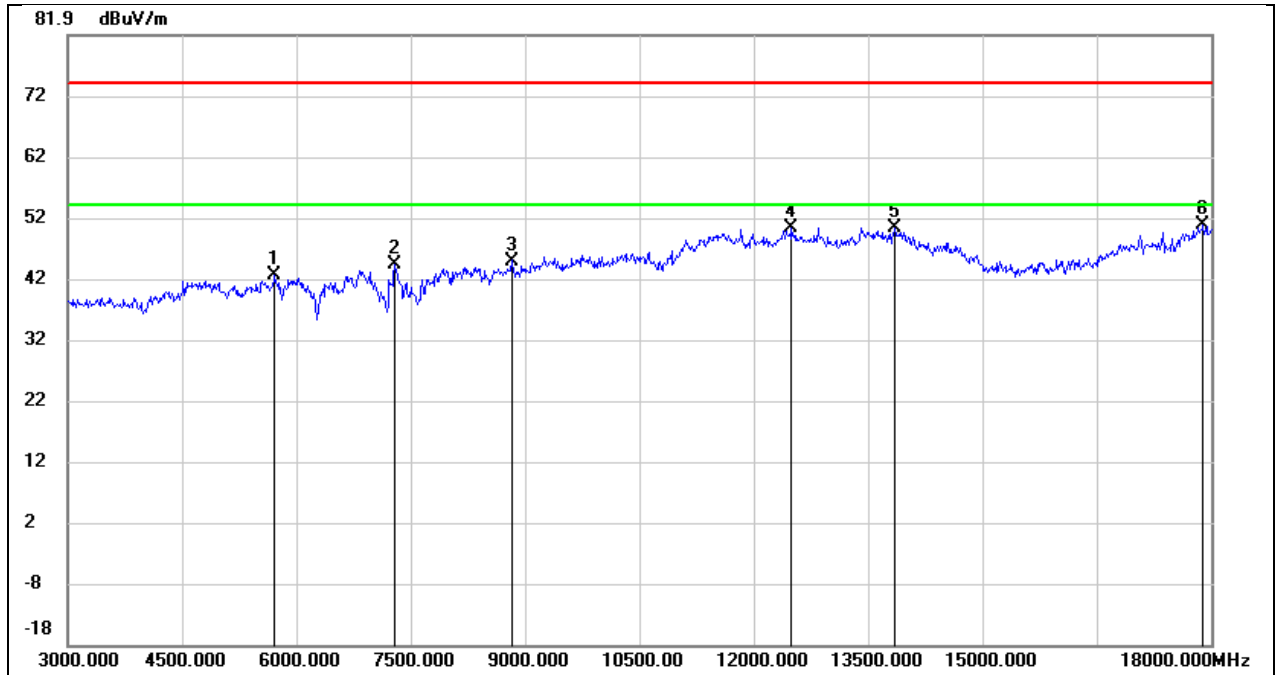
Test Mode:	802.11b	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 3.635V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5700.000	41.20	2.02	43.22	74.00	-30.78	peak
2	6720.000	38.21	5.10	43.31	74.00	-30.69	peak
3	11430.000	33.79	16.60	50.39	74.00	-23.61	peak
4	12420.000	31.59	18.99	50.58	74.00	-23.42	peak
5	13860.000	27.31	23.52	50.83	74.00	-23.17	peak
6	17865.000	23.20	27.13	50.33	74.00	-23.67	peak

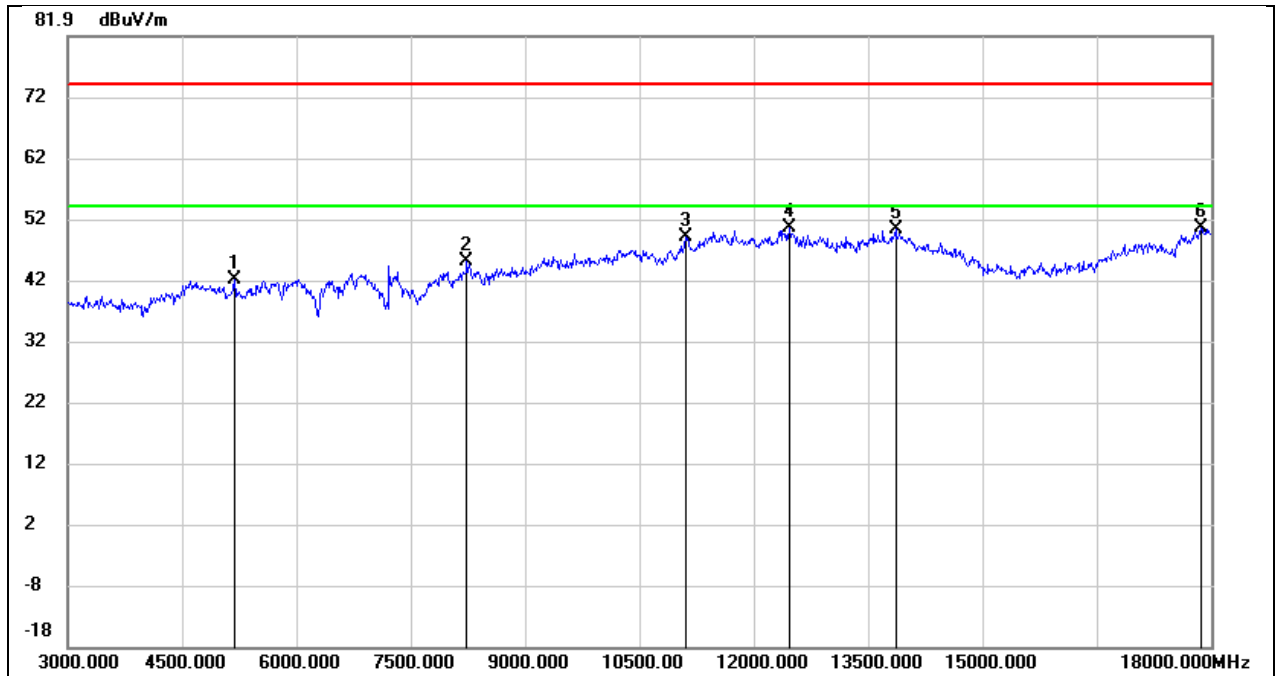
8.5. SPURIOUS EMISSIONS(3 GHZ~18 GHZ) – PARTIAL RU

Test Mode:	802.11ax HE20 Tone26 RU0	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 3.635V



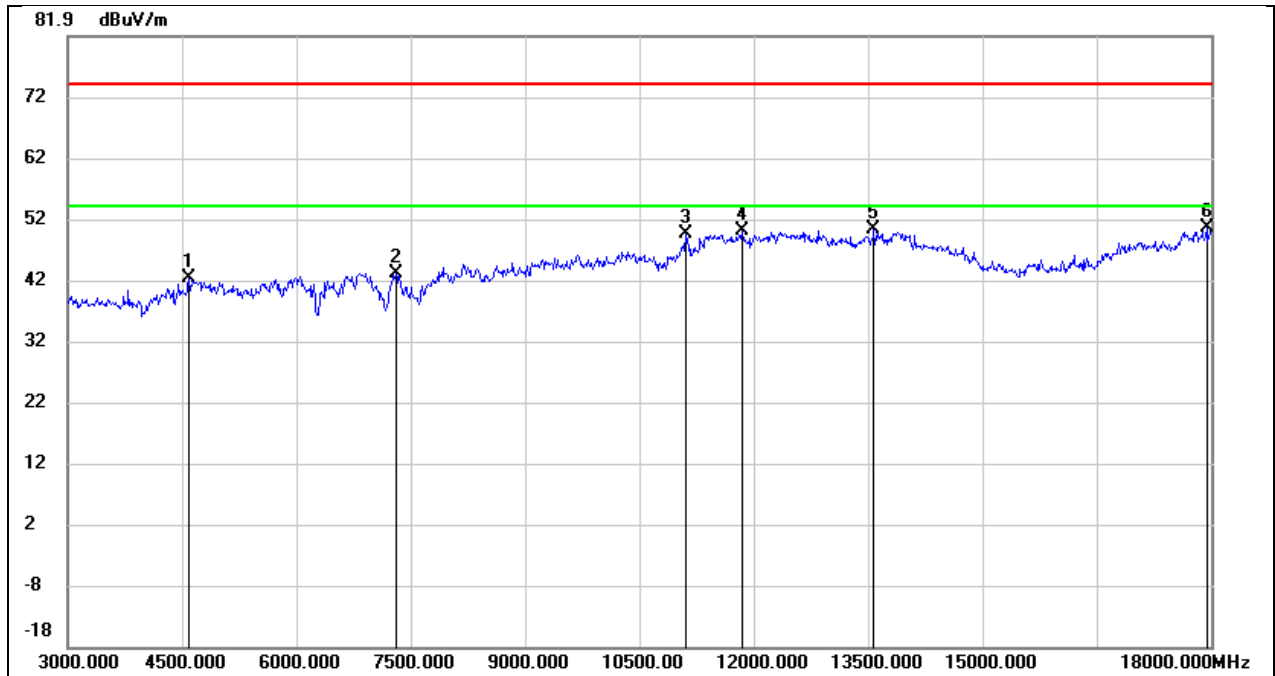
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5715.000	40.44	2.04	42.48	74.00	-31.52	peak
2	7290.000	37.53	6.67	44.20	74.00	-29.80	peak
3	8820.000	36.03	8.87	44.90	74.00	-29.10	peak
4	12495.000	31.14	19.12	50.26	74.00	-23.74	peak
5	13845.000	26.88	23.46	50.34	74.00	-23.66	peak
6	17895.000	23.48	27.32	50.80	74.00	-23.20	peak

Test Mode:	802.11ax HE20 Tone26 RU0	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 3.635V



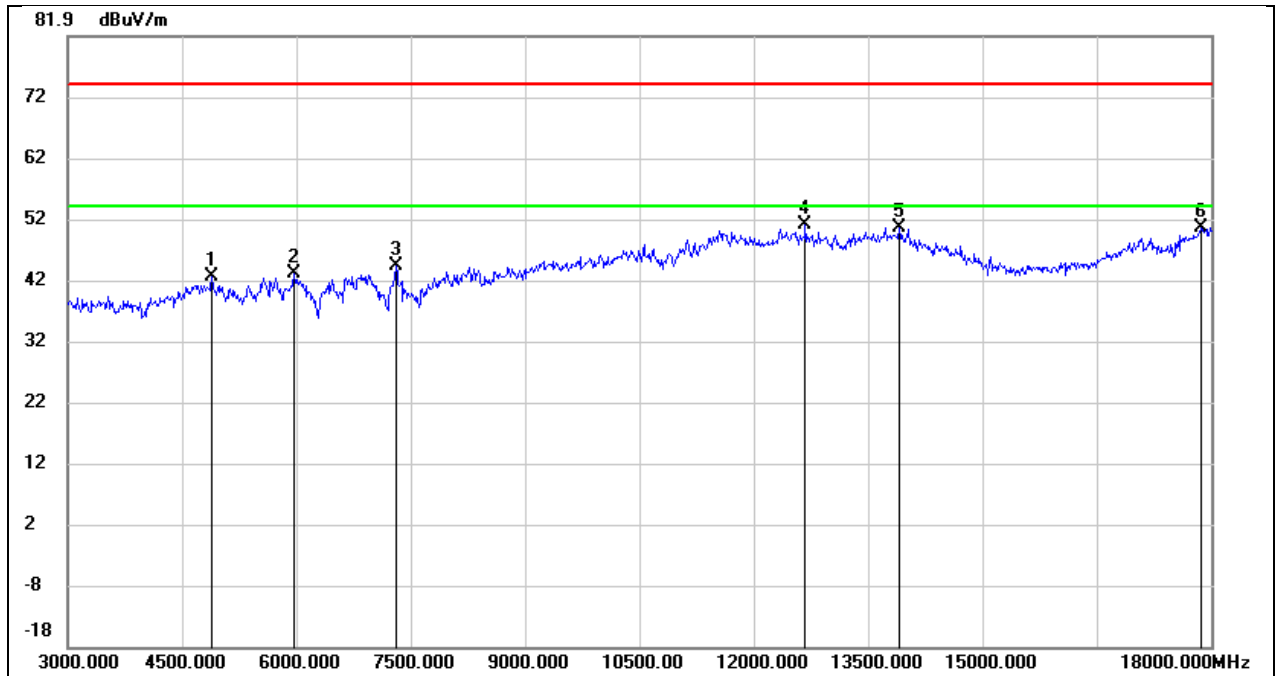
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5190.000	41.16	0.90	42.06	74.00	-31.94	peak
2	8235.000	36.97	8.08	45.05	74.00	-28.95	peak
3	11115.000	33.34	15.74	49.08	74.00	-24.92	peak
4	12465.000	31.33	19.08	50.41	74.00	-23.59	peak
5	13860.000	26.68	23.52	50.20	74.00	-23.80	peak
6	17865.000	23.41	27.13	50.54	74.00	-23.46	peak

Test Mode:	802.11ax HE20 Tone26 RU4	Frequency(MHz):	2437
Polarity:	Horizontal	Test Voltage:	DC 3.635V



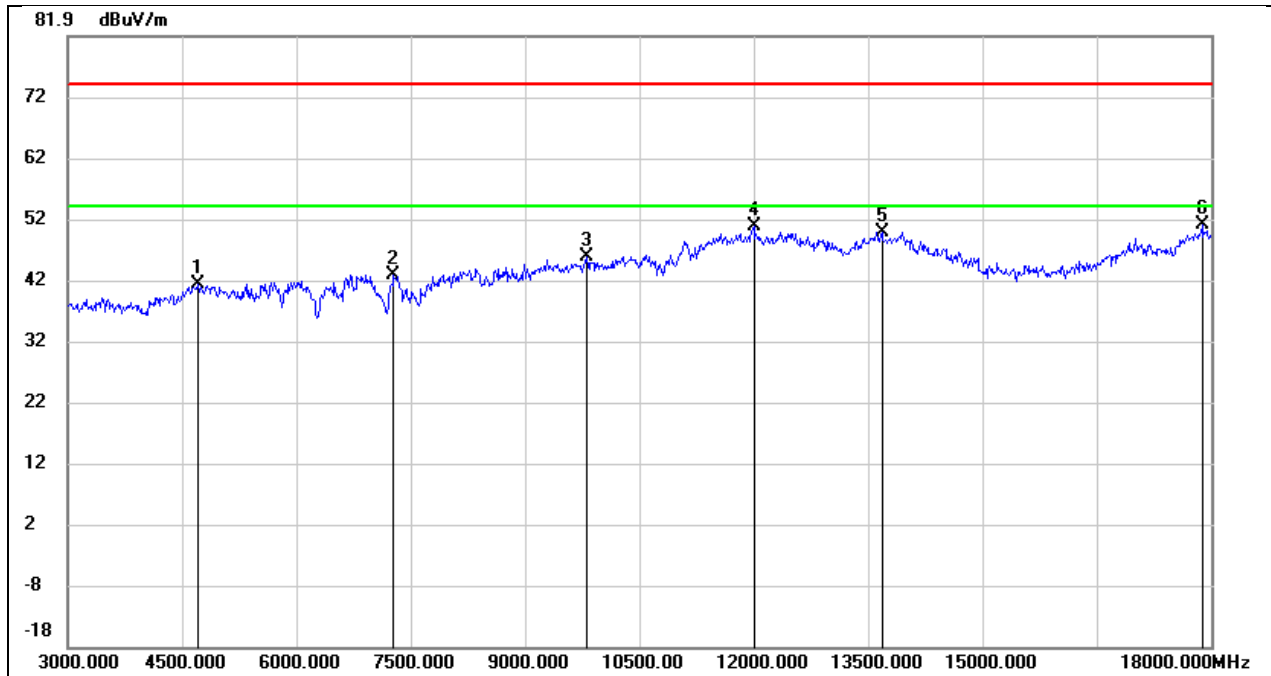
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4590.000	42.71	-0.39	42.32	74.00	-31.68	peak
2	7305.000	36.37	6.65	43.02	74.00	-30.98	peak
3	11115.000	33.89	15.74	49.63	74.00	-24.37	peak
4	11850.000	32.14	17.88	50.02	74.00	-23.98	peak
5	13575.000	27.48	22.68	50.16	74.00	-23.84	peak
6	17940.000	22.86	27.61	50.47	74.00	-23.53	peak

Test Mode:	802.11ax HE20 Tone26 RU4	Frequency(MHz):	2437
Polarity:	Vertical	Test Voltage:	DC 3.635V



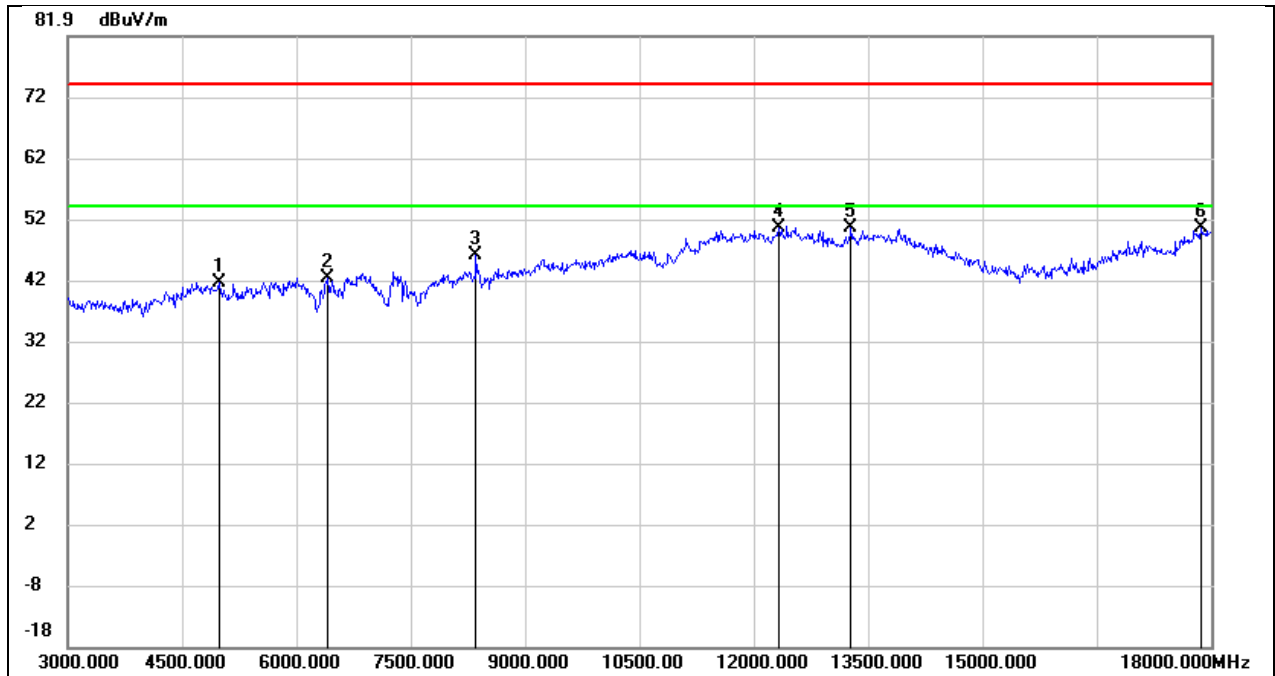
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4890.000	42.05	0.38	42.43	74.00	-31.57	peak
2	5970.000	40.45	2.50	42.95	74.00	-31.05	peak
3	7305.000	37.67	6.65	44.32	74.00	-29.68	peak
4	12675.000	31.60	19.33	50.93	74.00	-23.07	peak
5	13905.000	26.89	23.69	50.58	74.00	-23.42	peak
6	17865.000	23.29	27.13	50.42	74.00	-23.58	peak

Test Mode:	802.11ax HE20 Tone26 RU8	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 3.635V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4710.000	41.31	-0.05	41.26	74.00	-32.74	peak
2	7275.000	36.12	6.69	42.81	74.00	-31.19	peak
3	9810.000	33.52	12.26	45.78	74.00	-28.22	peak
4	12000.000	32.55	18.27	50.82	74.00	-23.18	peak
5	13680.000	26.91	22.96	49.87	74.00	-24.13	peak
6	17880.000	23.70	27.23	50.93	74.00	-23.07	peak

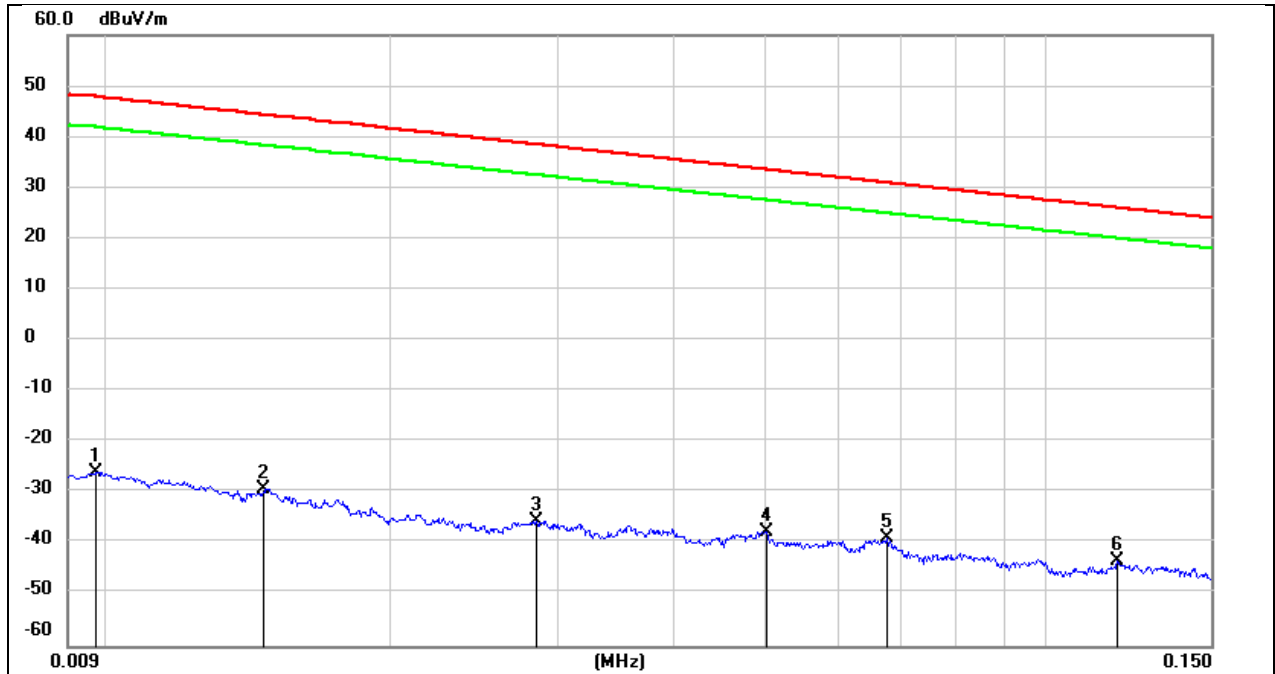
Test Mode:	802.11ax HE20 Tone26 RU8	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 3.635V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4980.000	41.05	0.58	41.63	74.00	-32.37	peak
2	6405.000	38.17	4.15	42.32	74.00	-31.68	peak
3	8355.000	37.91	8.15	46.06	74.00	-27.94	peak
4	12330.000	31.68	18.88	50.56	74.00	-23.44	peak
5	13275.000	29.31	21.28	50.59	74.00	-23.41	peak
6	17865.000	23.31	27.13	50.44	74.00	-23.56	peak

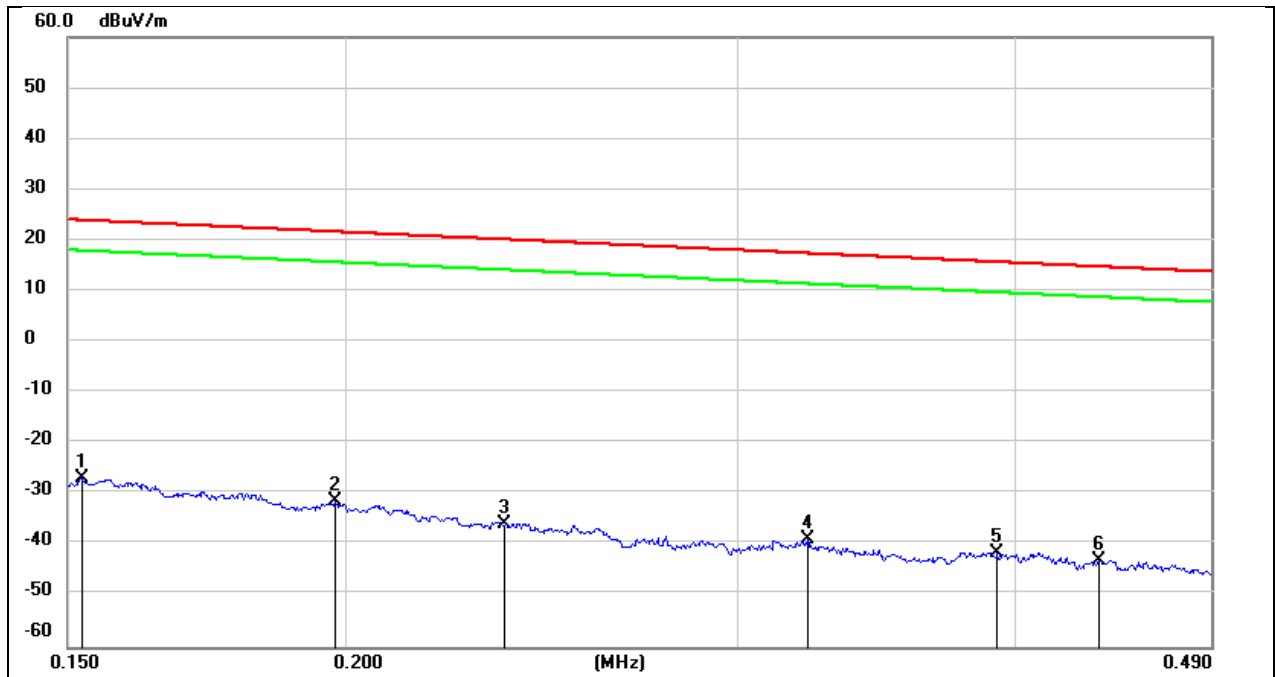
8.6. SPURIOUS EMISSIONS(9 KHZ~30 MHZ)

Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 3.635V



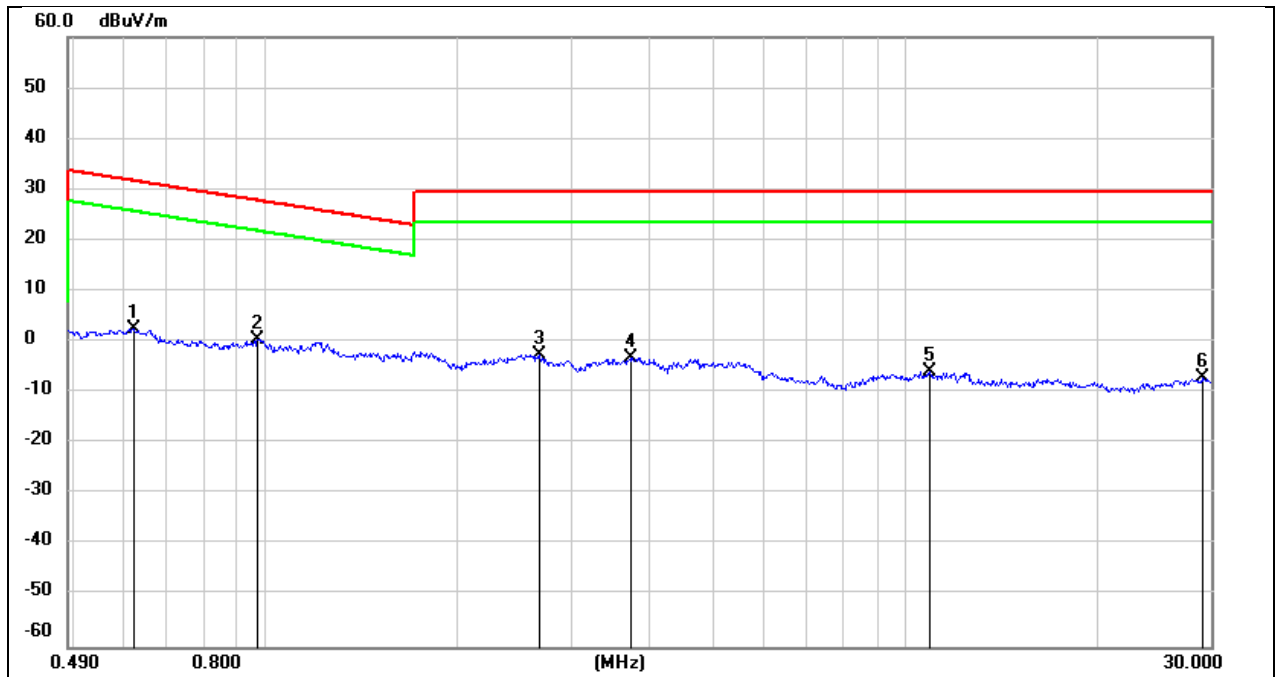
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	FCC Result (dBuV/m)	FCC Limit (dBuV/m)	ISED Result (dBuA/m)	ISED Limit (dBuA/m)	Margin (dB)	Remark
1	0.0097	75.43	-101.38	-25.95	47.82	-77.45	-3.68	-73.77	peak
2	0.0146	72.14	-101.37	-29.23	44.31	-80.73	-7.19	-73.54	peak
3	0.0285	65.86	-101.38	-35.52	38.51	-87.02	-12.99	-74.03	peak
4	0.0502	63.96	-101.48	-37.52	33.59	-89.02	-17.91	-71.11	peak
5	0.0675	62.64	-101.56	-38.92	31.02	-90.42	-20.48	-69.94	peak
6	0.1193	58.32	-101.73	-43.41	26.07	-94.91	-25.43	-69.48	peak

Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 3.635V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	FCC Result (dBuV/m)	FCC Limit (dBuV/m)	ISED Result (dBuA/m)	ISED Limit (dBuA/m)	Margin (dB)	Remark
1	0.1521	74.79	-101.63	-26.84	23.96	-78.34	-27.54	-50.80	peak
2	0.1978	70.48	-101.72	-31.24	21.68	-82.74	-29.82	-52.92	peak
3	0.2358	65.98	-101.78	-35.80	20.15	-87.30	-31.35	-55.95	peak
4	0.3225	62.97	-101.88	-38.91	17.43	-90.41	-34.07	-56.34	peak
5	0.3930	60.55	-101.96	-41.41	15.71	-92.91	-35.79	-57.12	peak
6	0.4364	58.86	-101.99	-43.13	14.80	-94.63	-36.70	-57.93	peak

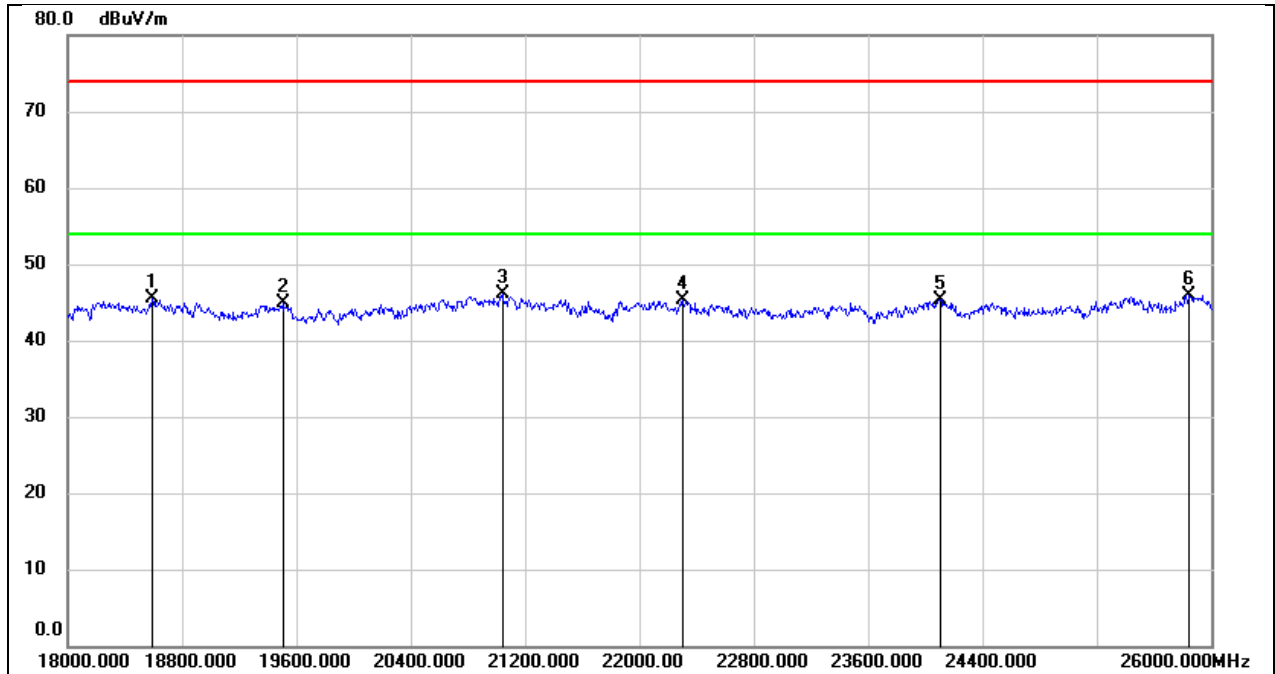
Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 3.635V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	FCC Result (dBuV/m)	FCC Limit (dBuV/m)	ISED Result (dBuA/m)	ISED Limit (dBuA/m)	Margin (dB)	Remark
1	0.6219	64.60	-62.09	2.51	31.73	-48.99	-19.77	-29.22	peak
2	0.9700	62.80	-62.25	0.55	27.87	-50.95	-23.63	-27.32	peak
3	2.6737	59.14	-61.65	-2.51	29.54	-54.01	-21.96	-32.05	peak
4	3.7360	58.33	-61.40	-3.07	29.54	-54.57	-21.96	-32.61	peak
5	10.9365	55.00	-60.84	-5.84	29.54	-57.34	-21.96	-35.38	peak
6	29.0852	52.99	-60.05	-7.06	29.54	-58.56	-21.96	-36.60	peak

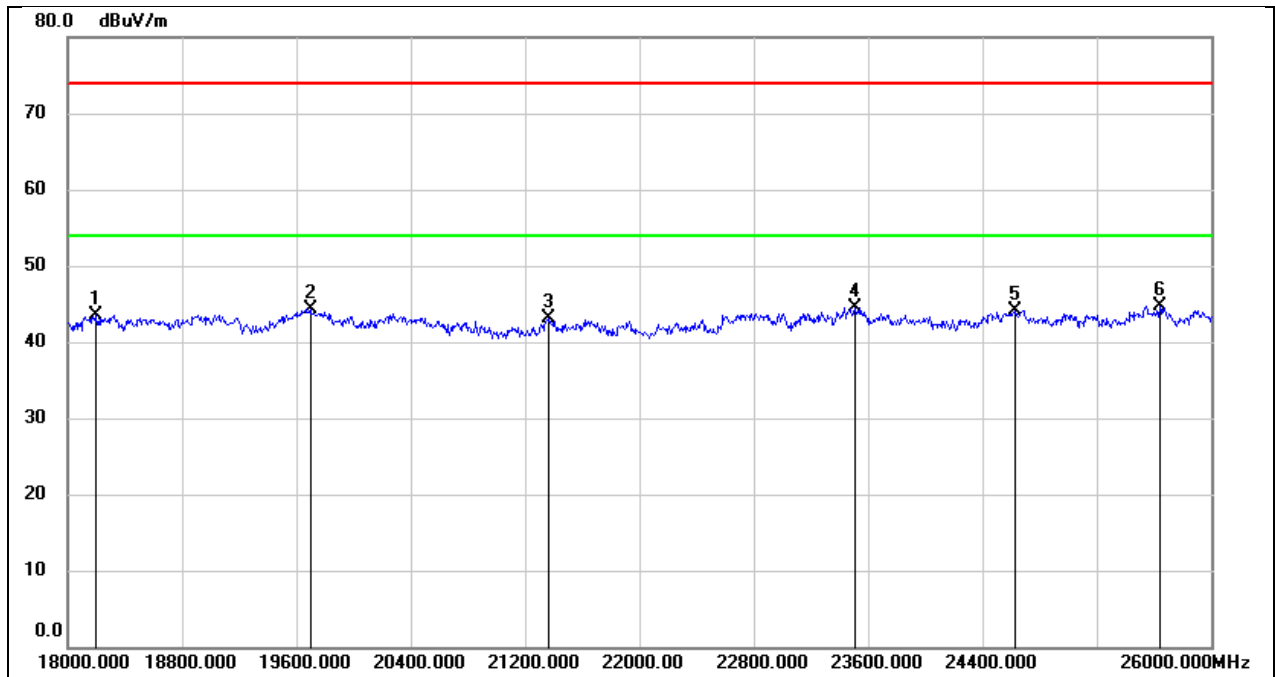
8.7. SPURIOUS EMISSIONS(18 GHZ~26 GHZ)

Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 3.635V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18592.000	50.75	-5.31	45.44	74.00	-28.56	peak
2	19504.000	50.47	-5.54	44.93	74.00	-29.07	peak
3	21040.000	51.05	-4.86	46.19	74.00	-27.81	peak
4	22304.000	49.55	-4.15	45.40	74.00	-28.60	peak
5	24104.000	48.06	-2.79	45.27	74.00	-28.73	peak
6	25840.000	46.66	-0.77	45.89	74.00	-28.11	peak

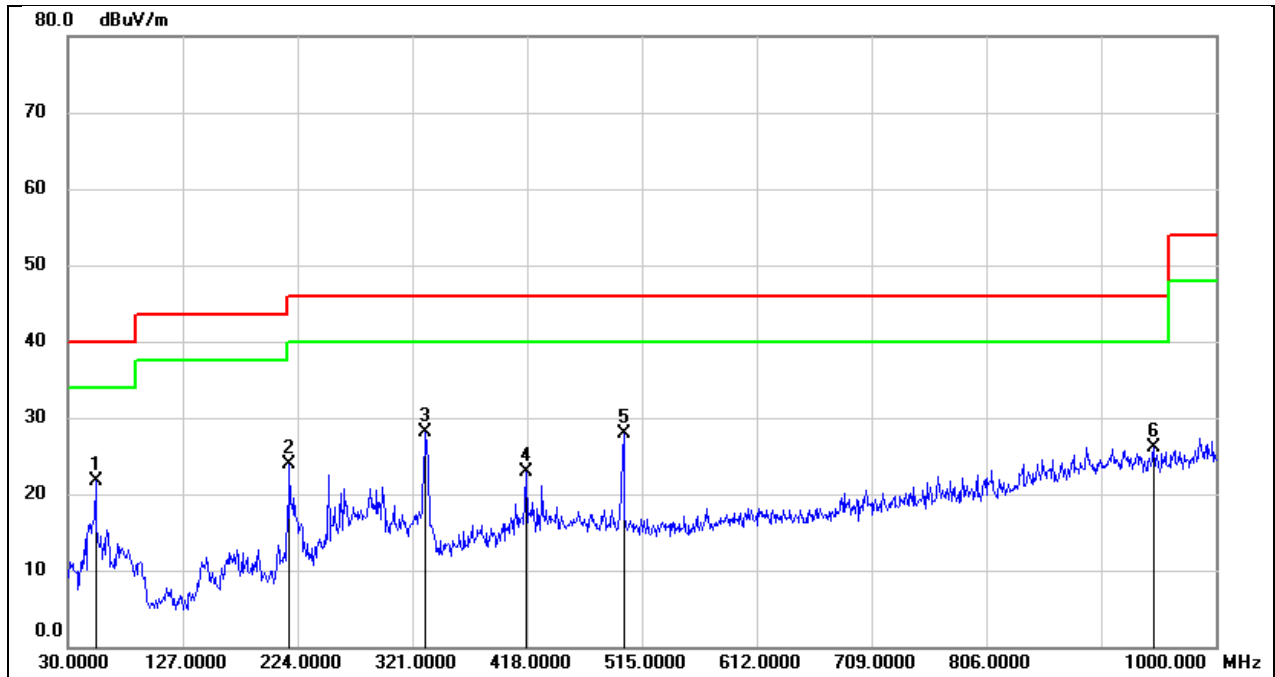
Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 3.635V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18200.000	49.08	-5.52	43.56	74.00	-30.44	peak
2	19696.000	49.65	-5.32	44.33	74.00	-29.67	peak
3	21368.000	47.90	-4.73	43.17	74.00	-30.83	peak
4	23504.000	47.63	-3.14	44.49	74.00	-29.51	peak
5	24624.000	46.49	-2.33	44.16	74.00	-29.84	peak
6	25640.000	45.80	-1.12	44.68	74.00	-29.32	peak

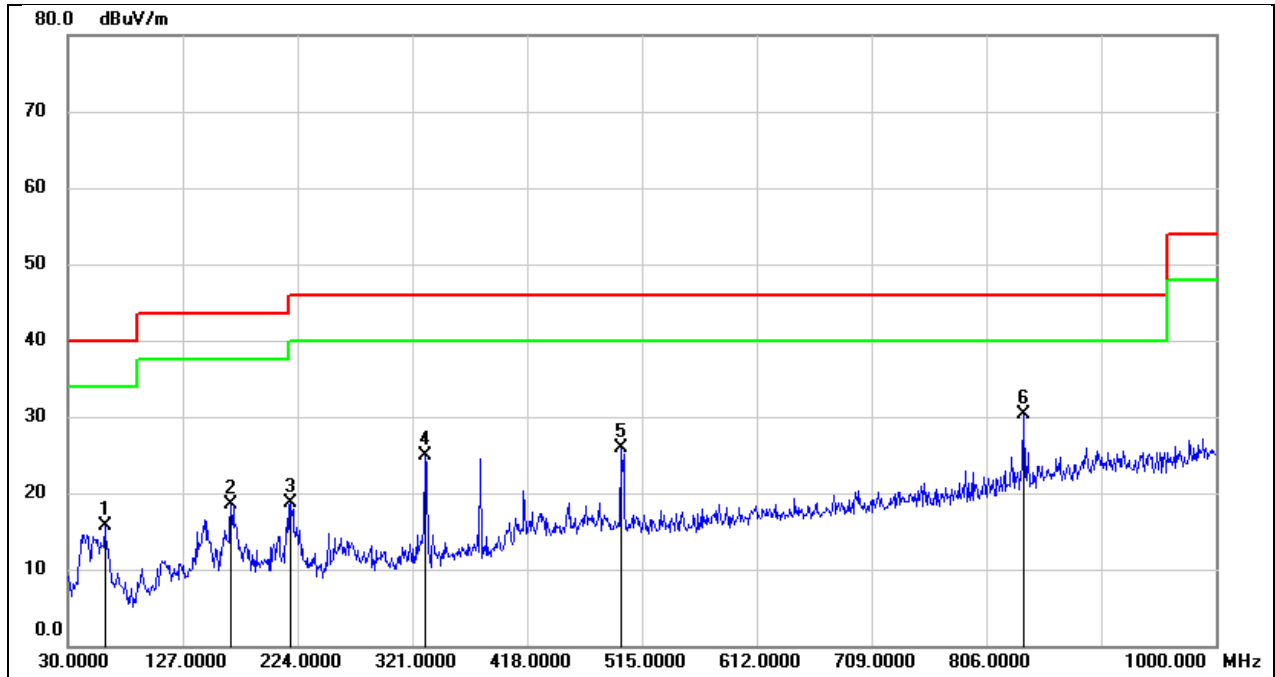
8.8. SPURIOUS EMISSIONS(30 MHZ~1 GHZ)

Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 3.635V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	53.2800	36.83	-15.22	21.61	40.00	-18.39	peak
2	217.2100	36.97	-13.14	23.83	46.00	-22.17	peak
3	331.6700	38.16	-10.09	28.07	46.00	-17.93	peak
4	417.0300	31.99	-9.01	22.98	46.00	-23.02	peak
5	499.4800	35.16	-7.26	27.90	46.00	-18.10	peak
6	947.6200	26.81	-0.63	26.18	46.00	-19.82	peak

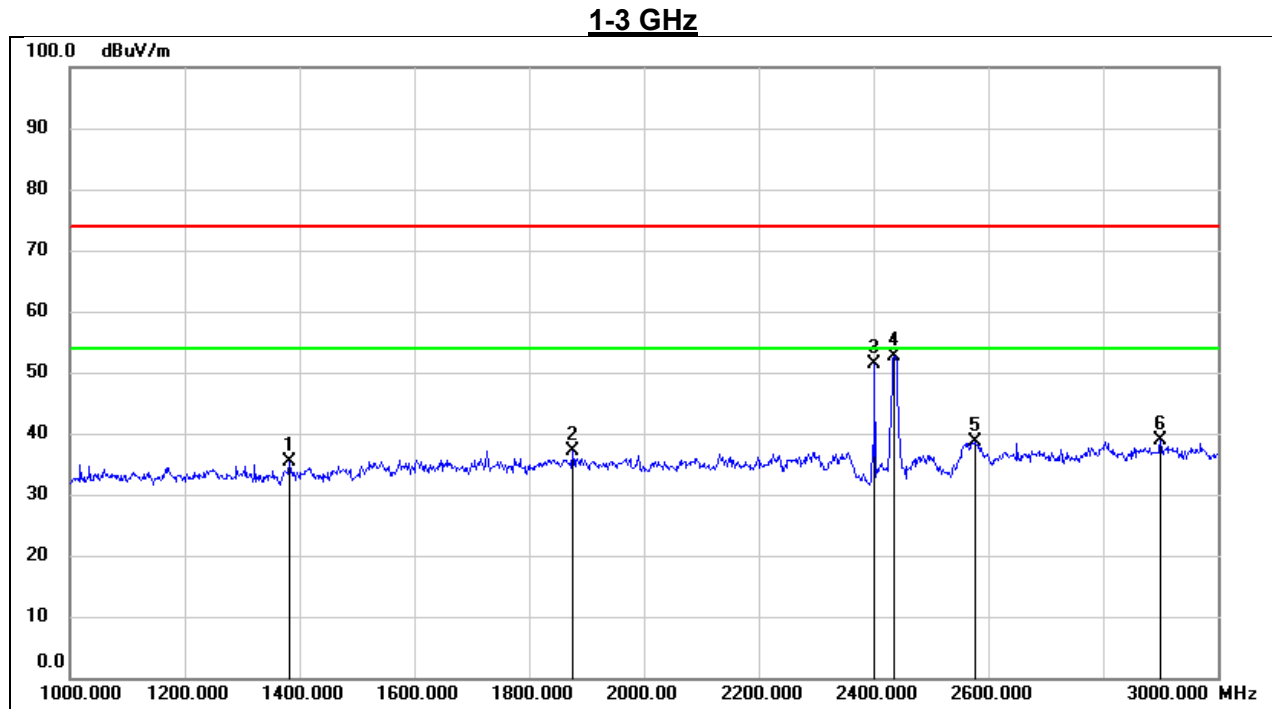
Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 3.635V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	61.0400	30.84	-15.18	15.66	40.00	-24.34	peak
2	167.7400	30.83	-12.35	18.48	43.50	-25.02	peak
3	218.1800	31.90	-13.17	18.73	46.00	-27.27	peak
4	331.6700	35.03	-10.09	24.94	46.00	-21.06	peak
5	497.5400	33.15	-7.27	25.88	46.00	-20.12	peak
6	837.0400	32.02	-1.70	30.32	46.00	-15.68	peak

8.9. SPURIOUS EMISSIONS FOR SIMULTANEOUS TRANSMISSION

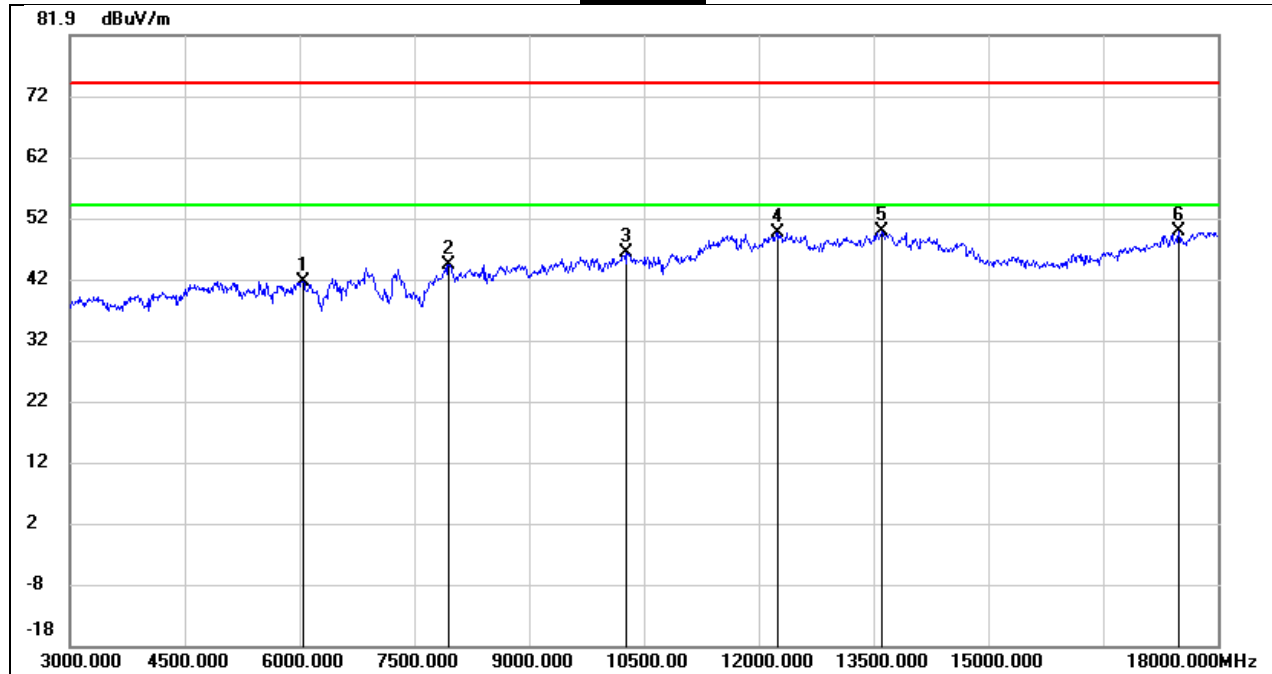
SPURIOUS EMISSIONS (BT GFSK LOW CHANNEL, WIFI 2.4G 11b MODE MID CHANNEL, WORST-CASE CONFIGURATION, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1382.000	47.63	-12.17	35.46	74.00	-38.54	peak
2	1876.000	47.43	-10.26	37.17	74.00	-36.83	peak
3	2402.000	59.84	-8.46	51.38	/	/	fundamental
4	2437.000	61.03	-8.28	52.75	/	/	fundamental
5	2576.000	46.31	-7.63	38.68	74.00	-35.32	peak
6	2900.000	45.19	-6.43	38.76	74.00	-35.24	peak

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, channels and antennas have been tested, only the worst data was recorded in the report.

3-18 GHz



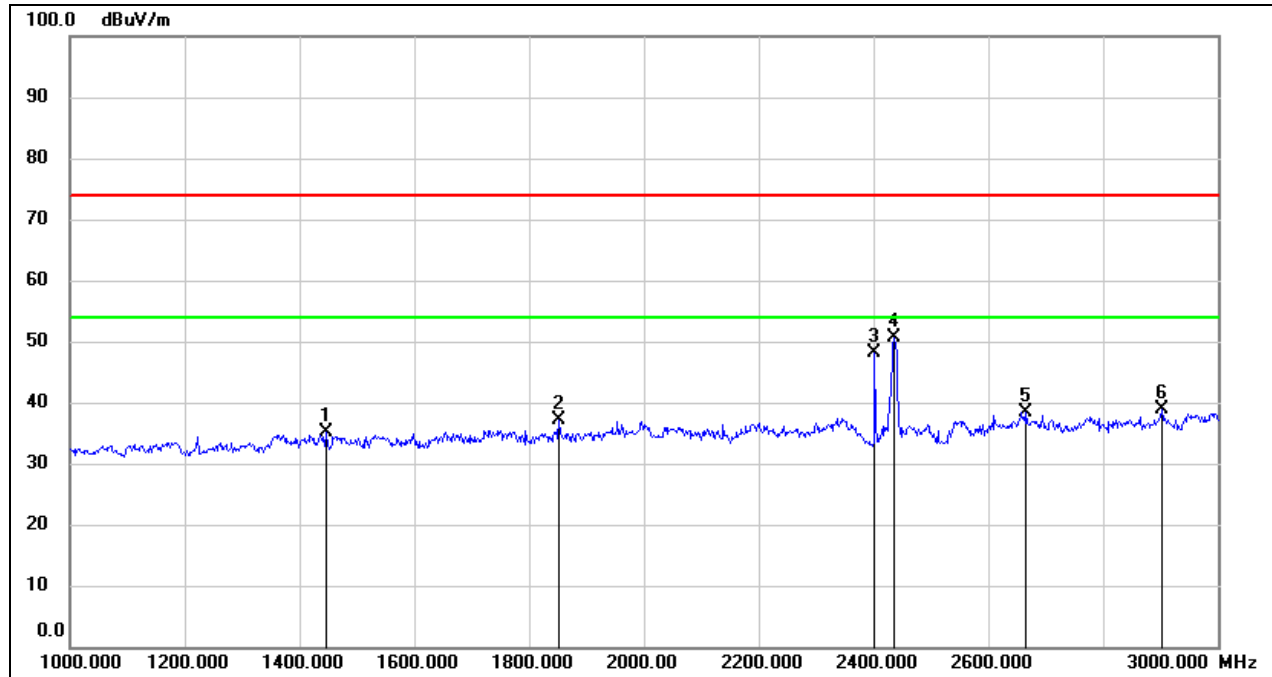
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	6045.000	38.92	2.73	41.65	74.00	-32.35	peak
2	7950.000	36.54	7.84	44.38	74.00	-29.62	peak
3	10275.000	32.81	13.45	46.26	74.00	-27.74	peak
4	12255.000	30.81	18.80	49.61	74.00	-24.39	peak
5	13605.000	26.99	22.75	49.74	74.00	-24.26	peak
6	17490.000	25.05	24.76	49.81	74.00	-24.19	peak

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, channels and antennas have been tested, only the worst data was recorded in the report.

**SPURIOUS EMISSIONS (BT GFSK LOW CHANNEL, WIFI 2.4G 11b MODE MID CHANNEL,
WORST-CASE CONFIGURATION, VERTICAL)**

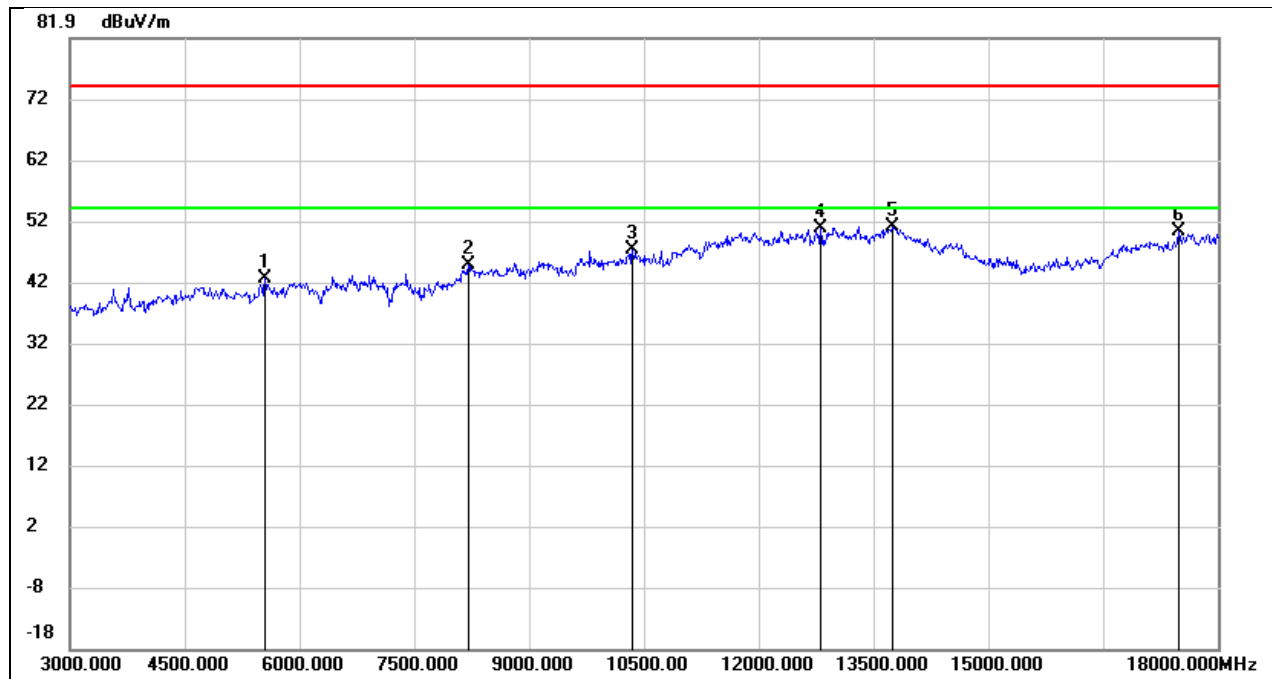
1-3 GHz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1446.000	47.01	-11.88	35.13	74.00	-38.87	peak
2	1852.000	47.56	-10.37	37.19	74.00	-36.81	peak
3	2402.000	56.48	-8.46	48.02	/	/	fundamental
4	2437.000	58.82	-8.28	50.54	/	/	fundamental
5	2666.000	45.69	-7.29	38.40	74.00	-35.60	peak
6	2902.000	45.31	-6.42	38.89	74.00	-35.11	peak

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, channels and antennas have been tested, only the worst data was recorded in the report.

3-18 GHz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5550.000	40.73	1.82	42.55	74.00	-31.45	peak
2	8205.000	36.66	8.06	44.72	74.00	-29.28	peak
3	10350.000	33.73	13.64	47.37	74.00	-26.63	peak
4	12810.000	31.27	19.49	50.76	74.00	-23.24	peak
5	13740.000	27.85	23.12	50.97	74.00	-23.03	peak
6	17490.000	25.58	24.76	50.34	74.00	-23.66	peak

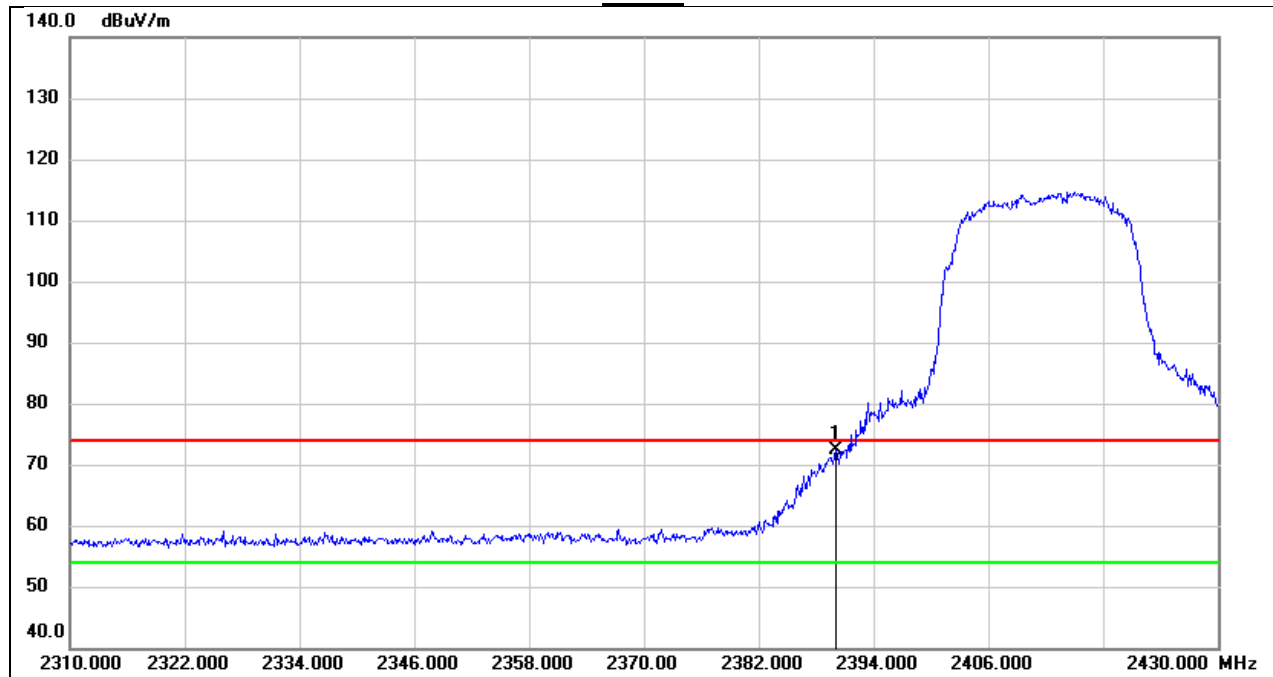
Note:

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, channels and antennas have been tested, only the worst data was recorded in the report.

Note: For spurious emissions in other bands, no worst spurious emission was found, do not report.

RESTRICTED BANDEDGE (BT GFSK LOW CHANNEL, WIFI 2.4G 11AX20 MODE LOW CHANNEL, WORST-CASE CONFIGURATION, VERTICAL)

PEAK

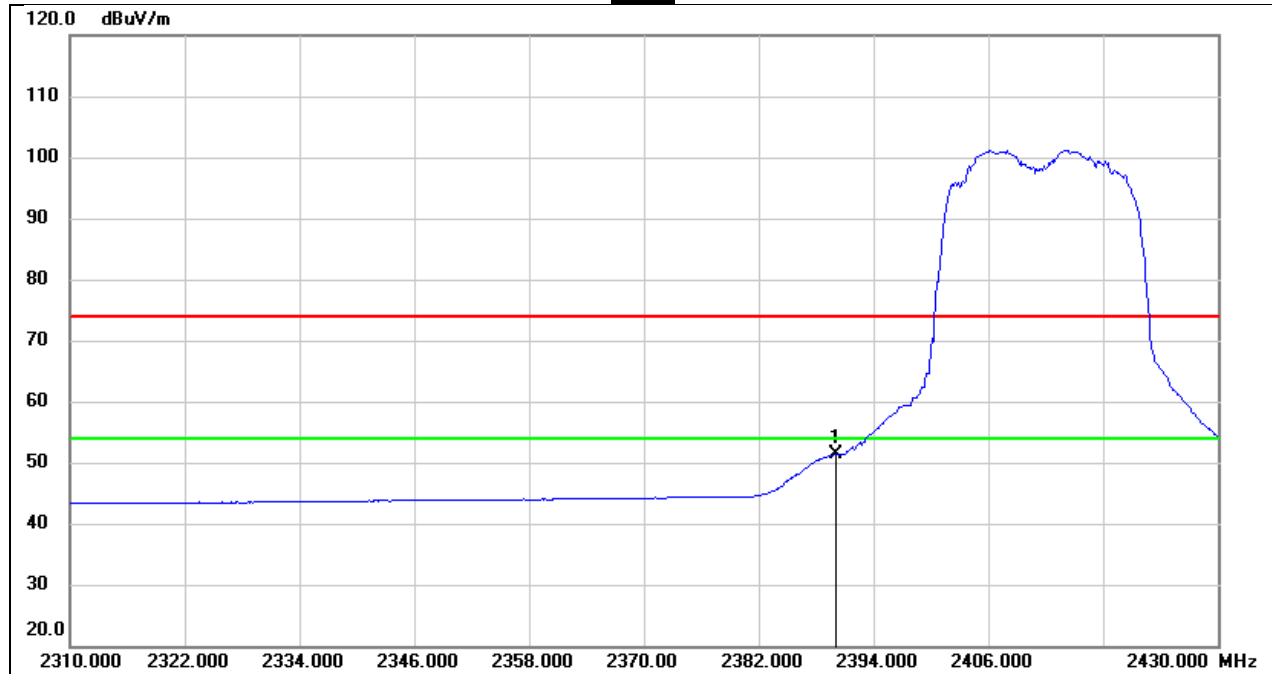


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	61.72	10.67	72.39	74.00	-1.61	peak

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. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.
5. Both horizontal and vertical have been tested, only the worst data was recorded in the report.
8. All modes and antennas have been tested, but only the worst data was recorded in the report.

AVG



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	40.67	10.67	51.34	54.00	-2.66	AVG

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. AV=Average: VBW=1/Ton, where: Ton is the transmitting duration.
4. For the transmitting duration, please refer to clause 7.5.
5. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.
6. Both horizontal and vertical have been tested, only the worst data was recorded in the report.
7. All modes and antennas have been tested, but only the worst data was recorded in the report.

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 FCC 47 CFR §15.207 (a) and ISED RSS-Gen Clause 8.8

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

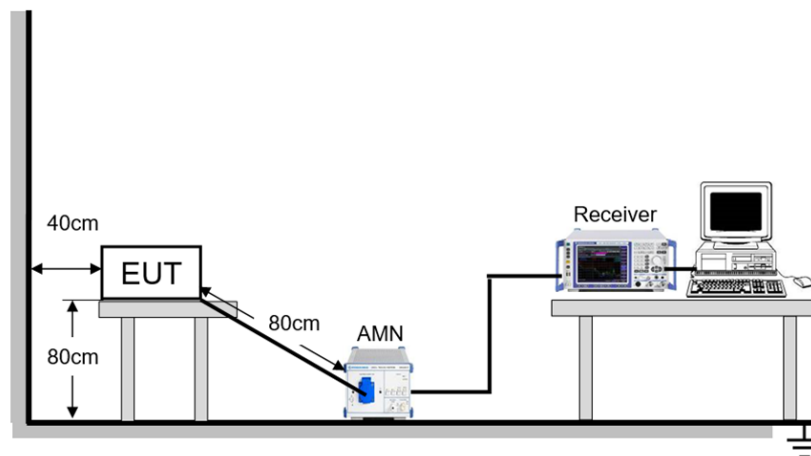
*Decreases with the logarithm of the frequency.

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

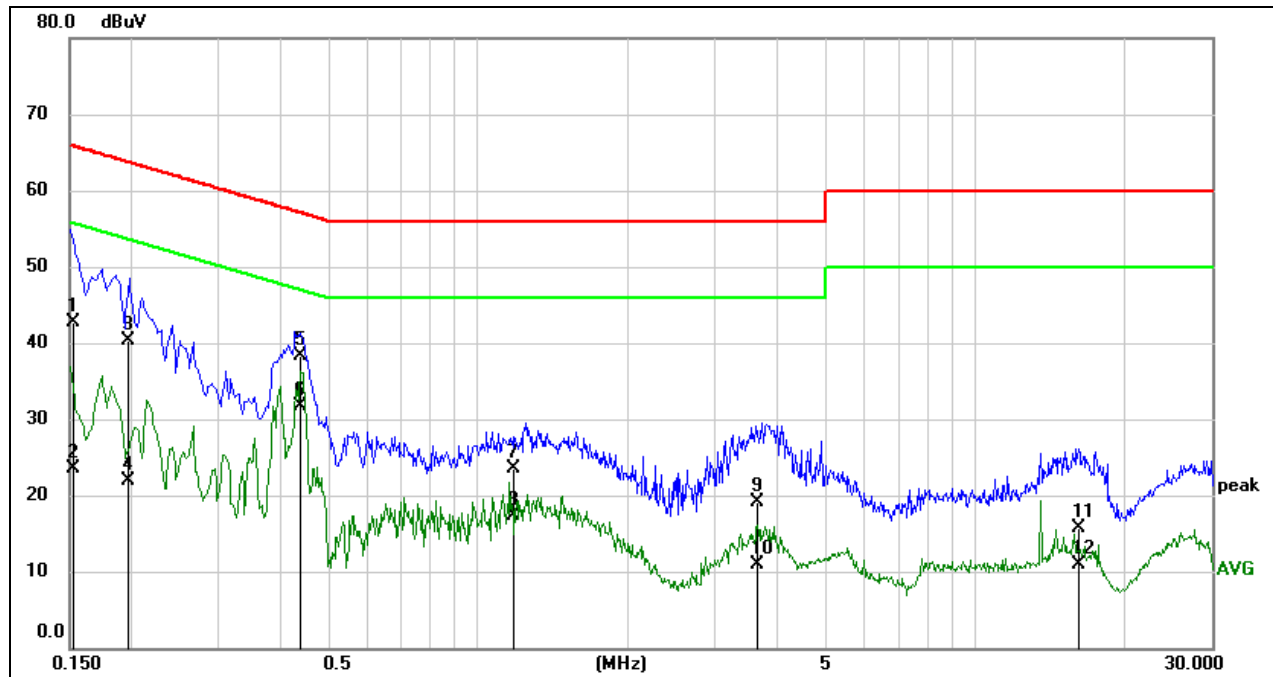
Temperature	22.5°C	Relative Humidity	53%
Atmosphere Pressure	101kPa	Test Voltage	AC 120 V, 60 Hz

TEST DATE / ENGINEER

Test Date	January 12, 2026	Test By	Deacon Tan
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TEST RESULTS

Test Mode:	802.11b	Frequency(MHz):	2412
Line:	Line		



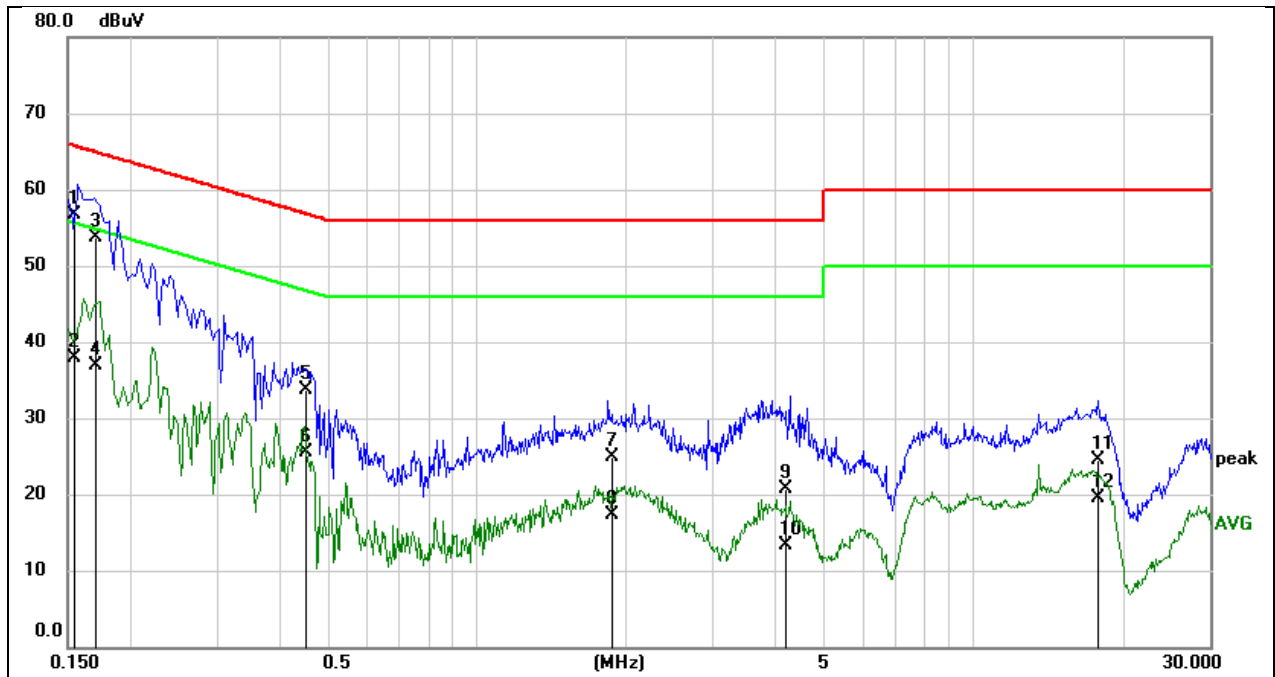
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1530	32.87	9.83	42.70	65.84	-23.14	QP
2	0.1530	13.65	9.83	23.48	55.84	-32.36	AVG
3	0.1956	30.73	9.66	40.39	63.80	-23.41	QP
4	0.1956	12.33	9.66	21.99	53.80	-31.81	AVG
5	0.4364	28.51	9.72	38.23	57.13	-18.90	QP
6	0.4364	22.01	9.72	31.73	47.13	-15.40	AVG
7	1.1710	13.79	9.73	23.52	56.00	-32.48	QP
8	1.1710	7.53	9.73	17.26	46.00	-28.74	AVG
9	3.6694	9.37	9.81	19.18	56.00	-36.82	QP
10	3.6694	1.03	9.81	10.84	46.00	-35.16	AVG
11	16.1700	5.92	9.84	15.76	60.00	-44.24	QP
12	16.1700	1.07	9.84	10.91	50.00	-39.09	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):	2412
Line:	Neutral		



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1545	47.14	9.54	56.68	65.75	-9.07	QP
2	0.1545	28.45	9.54	37.99	55.75	-17.76	AVG
3	0.1709	44.25	9.54	53.79	64.92	-11.13	QP
4	0.1709	27.36	9.54	36.90	54.92	-18.02	AVG
5	0.4535	24.13	9.62	33.75	56.81	-23.06	QP
6	0.4535	15.90	9.62	25.52	46.81	-21.29	AVG
7	1.8904	15.33	9.54	24.87	56.00	-31.13	QP
8	1.8904	7.74	9.54	17.28	46.00	-28.72	AVG
9	4.2340	11.08	9.72	20.80	56.00	-35.20	QP
10	4.2340	3.66	9.72	13.38	46.00	-32.62	AVG
11	17.8250	14.76	9.80	24.56	60.00	-35.44	QP
12	17.8250	9.75	9.80	19.55	50.00	-30.45	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

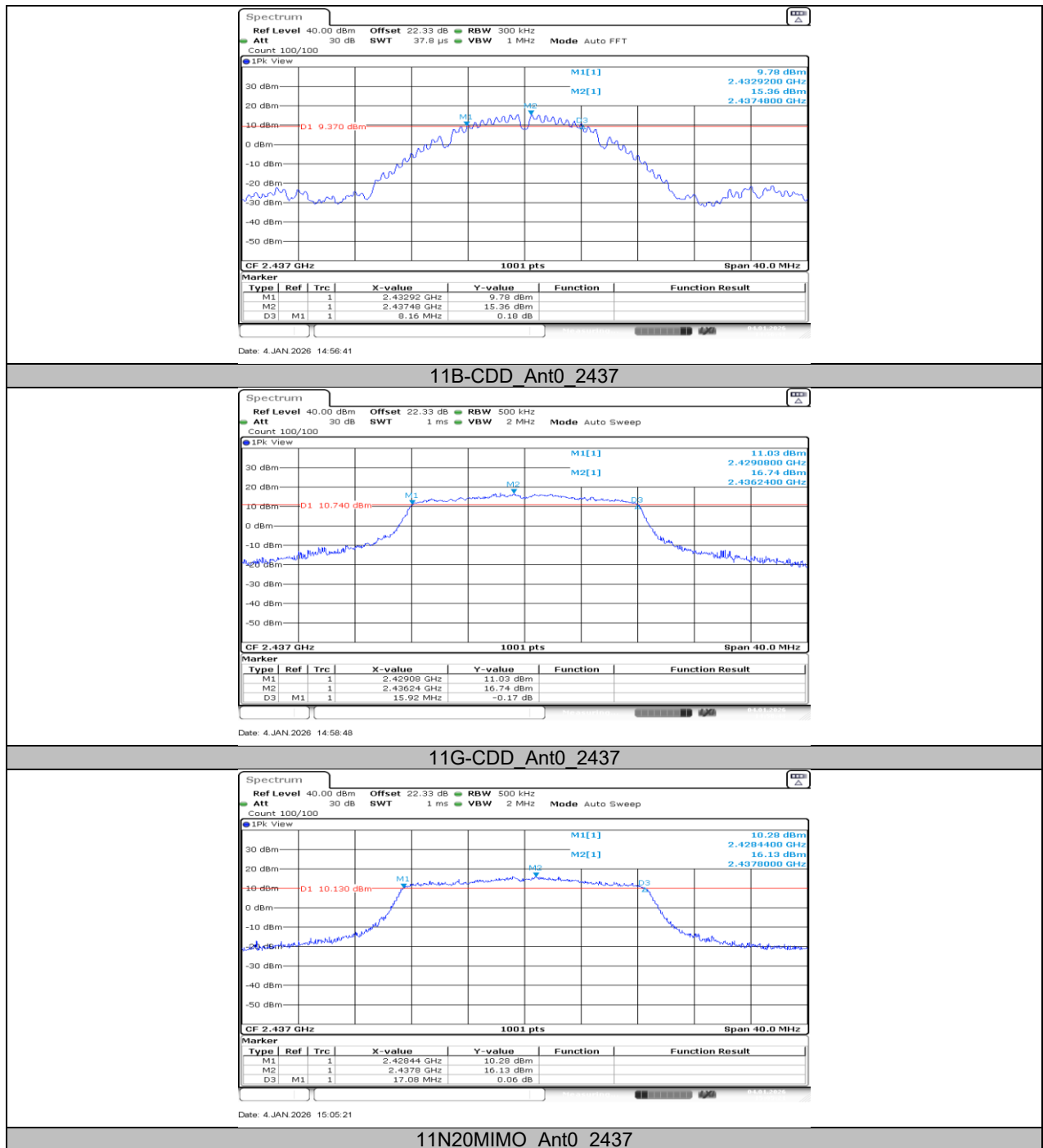
Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B-CDD	Ant0	2412	8.64	2407.92	2416.56	≥0.5	PASS
		2437	8.16	2432.92	2441.08	≥0.5	PASS
		2462	8.60	2457.48	2466.08	≥0.5	PASS
11G-CDD	Ant0	2412	15.88	2404.16	2420.04	≥0.5	PASS
		2437	15.92	2429.08	2445.00	≥0.5	PASS
		2462	15.80	2454.04	2469.84	≥0.5	PASS
11N20MIMO	Ant0	2412	16.72	2403.72	2420.44	≥0.5	PASS
		2437	17.08	2428.44	2445.52	≥0.5	PASS
		2462	16.64	2453.48	2470.12	≥0.5	PASS
11N40MIMO	Ant0	2422	34.88	2404.88	2439.76	≥0.5	PASS
		2437	35.76	2419.16	2454.92	≥0.5	PASS
		2452	35.52	2434.24	2469.76	≥0.5	PASS
11AX20MIMO	Ant0	2412	17.96	2403.40	2421.36	≥0.5	PASS
		2437	18.08	2427.80	2445.88	≥0.5	PASS
		2462	17.36	2452.88	2470.24	≥0.5	PASS
11AX40MIMO	Ant0	2422	36.08	2404.32	2440.40	≥0.5	PASS
		2437	37.76	2418.12	2455.88	≥0.5	PASS
		2452	35.84	2433.44	2469.28	≥0.5	PASS

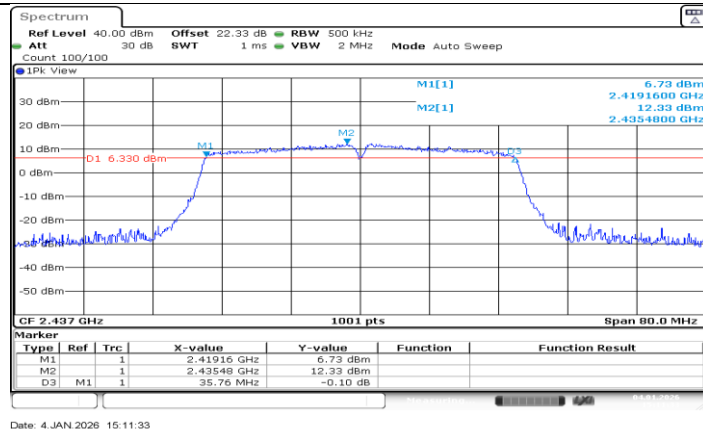
Test Mode	Antenna	Channel	Ru Size	Ru Index	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11AX20MIMO	Ant0	2412	26Tone	RU0	2.16	2402.32	2404.48	≥0.5	PASS
	Ant0	2437	26Tone	RU4	2.56	2435.68	2438.24	≥0.5	PASS
	Ant0	2462	26Tone	RU8	2.24	2469.32	2471.56	≥0.5	PASS

Note:

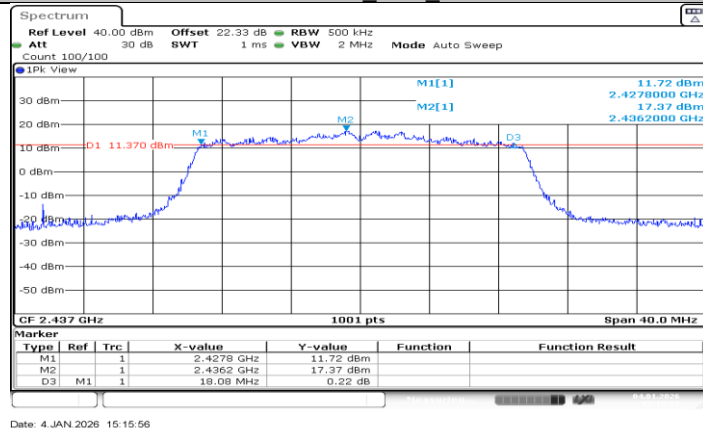
- Both ANT0 and ANT1 have been tested, only the worst data of antenna 0 was recorded in this report.
- For ax partial RU mode, 26Tone has the lowest DTS bandwidth, so only the worst data of 26Tone DTS bandwidth were performed in the report.

11.1.2. Test Graphs

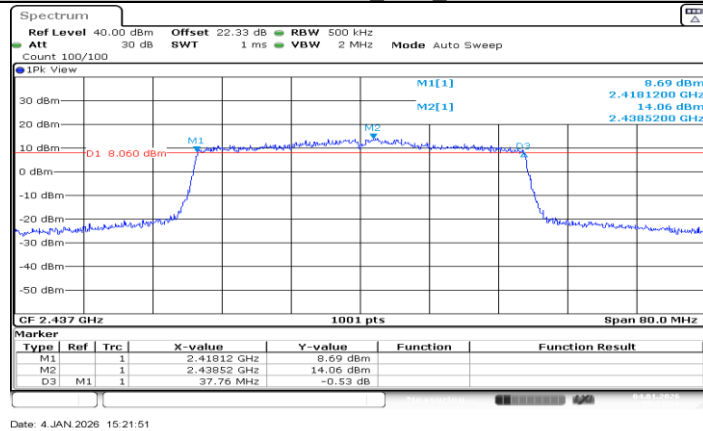




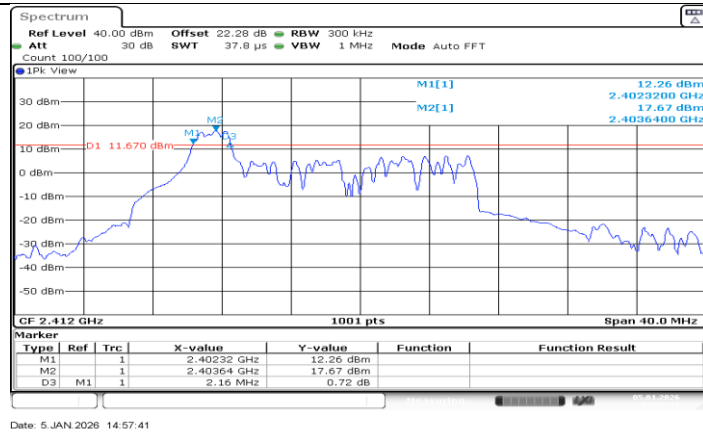
11N40MIMO_Ant0_2437



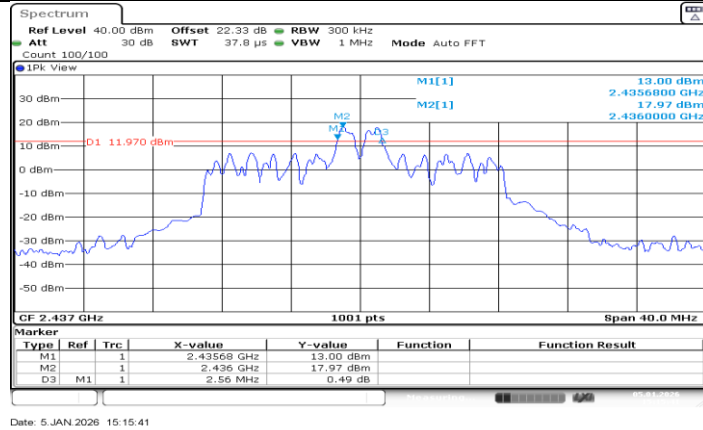
11AX20MIMO_Ant0_2437



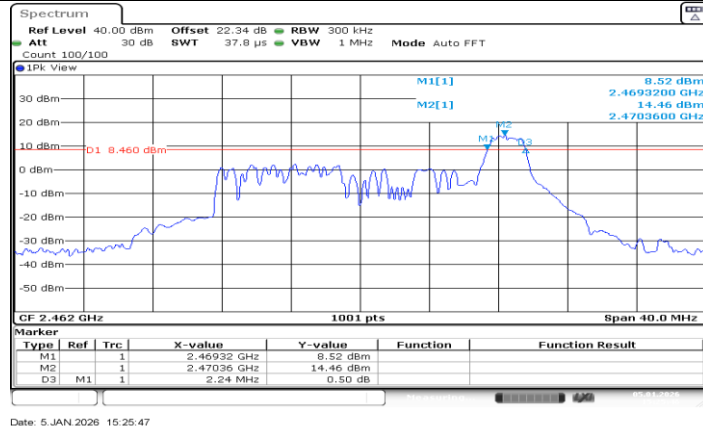
11AX40MIMO_Ant0_2437



11AX20MIMO Ant0_2412_26Tone_RU0



11AX20MIMO Ant0_2437_26Tone_RU4



11AX20MIMO Ant0_2462_26Tone_RU8

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

11.2. APPENDIX B: OCCUPIED CHANNEL BANDWIDTH

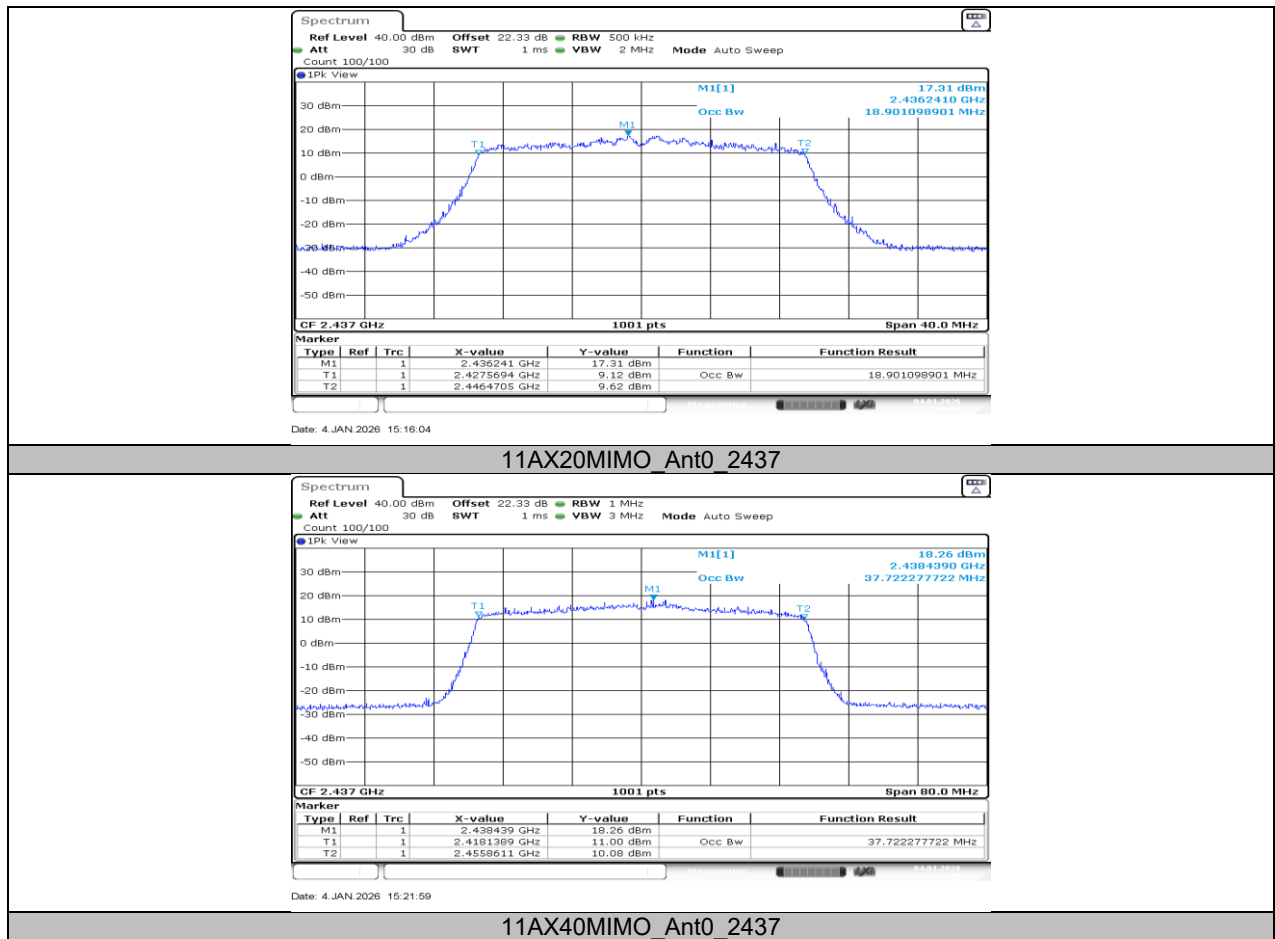
11.2.1. Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Verdict
11B-CDD	Ant0	2412	14.066	2404.9271	2418.9930	PASS
		2437	13.666	2430.0869	2443.7532	PASS
		2462	13.786	2454.9271	2468.7133	PASS
11G-CDD	Ant0	2412	16.623	2403.7283	2420.3516	PASS
		2437	16.543	2428.7283	2445.2717	PASS
		2462	16.503	2453.7283	2470.2318	PASS
11N20MIMO	Ant0	2412	17.622	2403.2488	2420.8711	PASS
		2437	17.702	2428.1688	2445.8711	PASS
		2462	17.662	2453.1289	2470.7912	PASS
11N40MIMO	Ant0	2422	35.884	2404.1778	2440.0619	PASS
		2437	36.044	2419.0180	2455.0619	PASS
		2452	35.964	2434.0180	2469.9820	PASS
11AX20MIMO	Ant0	2412	18.821	2402.6494	2421.4705	PASS
		2437	18.901	2427.5694	2446.4705	PASS
		2462	18.861	2452.5694	2471.4306	PASS
11AX40MIMO	Ant0	2422	37.562	2403.2987	2440.8611	PASS
		2437	37.722	2418.1389	2455.8611	PASS
		2452	37.642	2433.1389	2470.7812	PASS

Note:

- Both ANT0 and ANT1 have been tested, only the worst data of antenna 0 was recorded in this report.
- Only the max OCB of Full RU mode was performed in the report

11.2.2. Test Graphs



Note:

1. Only the worst data plots were reported to show setting parameter compliance with testing method/procedure.
2. RBW setting to 500kHz is used in 802.11b/g/n HT20/ax HE20 modes and 1M is used in 802.11n HT40/ax HE40 modes.

11.3. APPENDIX C: MAXIMUM CONDUCTED OUTPUT POWER

11.3.1. Test Result

Mode	Freq(MHz)	Conducted AV Output Power (dBm)			Limit (dBm)
		ANT0	ANT1	Total	
802.11b	2412	22.59	21.96	25.30	≤30.00
	2437	22.68	22.52	25.61	≤30.00
	2462	21.92	20.86	24.43	≤30.00
802.11g	2412	20.05	20.00	23.04	≤30.00
	2437	20.99	20.58	23.80	≤30.00
	2462	20.06	19.99	23.04	≤30.00
802.11n 20M	2412	20.64	20.32	23.49	≤30.00
	2437	20.12	19.70	22.93	≤30.00
	2462	19.62	19.41	22.53	≤30.00
802.11n 40M	2422	19.97	19.68	22.84	≤30.00
	2437	19.56	19.40	22.49	≤30.00
	2452	19.88	19.73	22.82	≤30.00
802.11ax 20M	2412	18.96	19.23	22.11	≤30.00
	2437	19.35	19.15	22.26	≤30.00
	2462	19.33	19.28	22.32	≤30.00
802.11ax 40M	2422	19.66	19.32	22.50	≤30.00
	2437	19.25	19.03	22.15	≤30.00
	2452	19.62	19.59	22.62	≤30.00

Mode	Freq(MHz)	RU size	RU Index	Conducted AVG Output Power (dBm)			Limit (dBm)
				ANT0	ANT1	Total	
802.11ax 20M	2412	26	0	18.30	18.18	21.25	≤30.00
		52	37	18.31	18.20	21.27	≤30.00
		106	53	16.25	16.16	19.22	≤30.00
	2437	26	4	18.60	18.45	21.54	≤30.00
		52	38	18.39	18.22	21.32	≤30.00
		106	53	18.86	18.85	21.87	≤30.00
	2462	26	8	13.48	13.28	16.39	≤30.00
		52	40	13.94	13.52	16.75	≤30.00
		106	54	14.13	13.85	17.00	≤30.00

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.

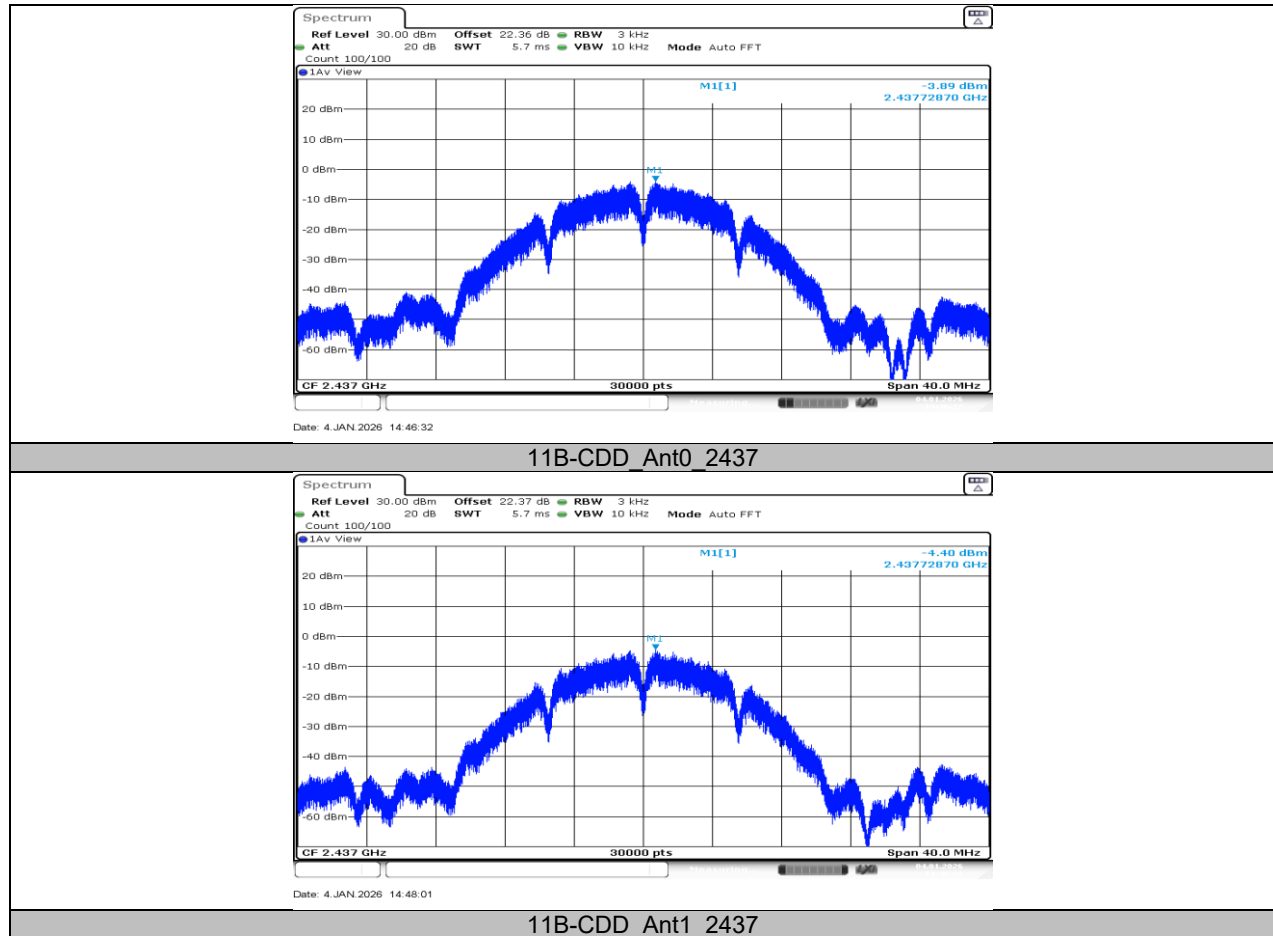
11.4. APPENDIX D: MAXIMUM POWER SPECTRAL DENSITY

11.4.1. Test Result

Mode	Freq(MHz)	PSD (dBm/3kHz)			Limit (dBm/3kHz)
		ANT0	ANT1	Total	
802.11b	2412	-4.31	-4.13	-1.21	≤8.00
	2437	-3.89	-4.40	-1.13	≤8.00
	2462	-4.34	-4.82	-1.56	≤8.00
802.11g	2412	-9.61	-9.65	-6.62	≤8.00
	2437	-8.67	-8.84	-5.74	≤8.00
	2462	-9.24	-8.76	-5.98	≤8.00
802.11n 20M	2412	-10.46	-10.24	-7.34	≤8.00
	2437	-11.11	-11.14	-8.11	≤8.00
	2462	-11.28	-11.10	-8.18	≤8.00
802.11n 40M	2422	-13.74	-13.91	-10.81	≤8.00
	2437	-14.33	-14.17	-11.24	≤8.00
	2452	-13.78	-13.38	-10.57	≤8.00
802.11ax 20M	2412	-13.31	-13.65	-10.47	≤8.00
	2437	-13.39	-13.52	-10.44	≤8.00
	2462	-13.65	-13.33	-10.48	≤8.00
802.11ax 40M	2422	-16.12	-15.71	-12.90	≤8.00
	2437	-16.25	-16.58	-13.40	≤8.00
	2452	-16.18	-15.92	-13.04	≤8.00

Mode	Freq(MHz)	RU size	RU Index	PSD (dBm/3kHz)			Limit (dBm/3kHz)
				ANT0	ANT1	Total	
802.11ax 20M	2412	26	0	-0.92	-0.44	2.34	≤8.00
		52	37	-3.61	-3.06	-0.32	≤8.00
		106	53	-8.6	-8.24	-5.41	≤8.00
	2437	26	4	-0.72	-0.71	2.30	≤8.00
		52	38	-3.87	-3.43	-0.63	≤8.00
		106	53	-5.9	-5.38	-2.62	≤8.00
	2462	26	8	-5.87	-5.99	-2.92	≤8.00
		52	40	-8.09	-8.81	-5.42	≤8.00
		106	54	-10.85	-11.22	-8.02	≤8.00

11.4.2. Test Graphs



Note:

1. Only the worst data of 802.11b mode middle channel 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

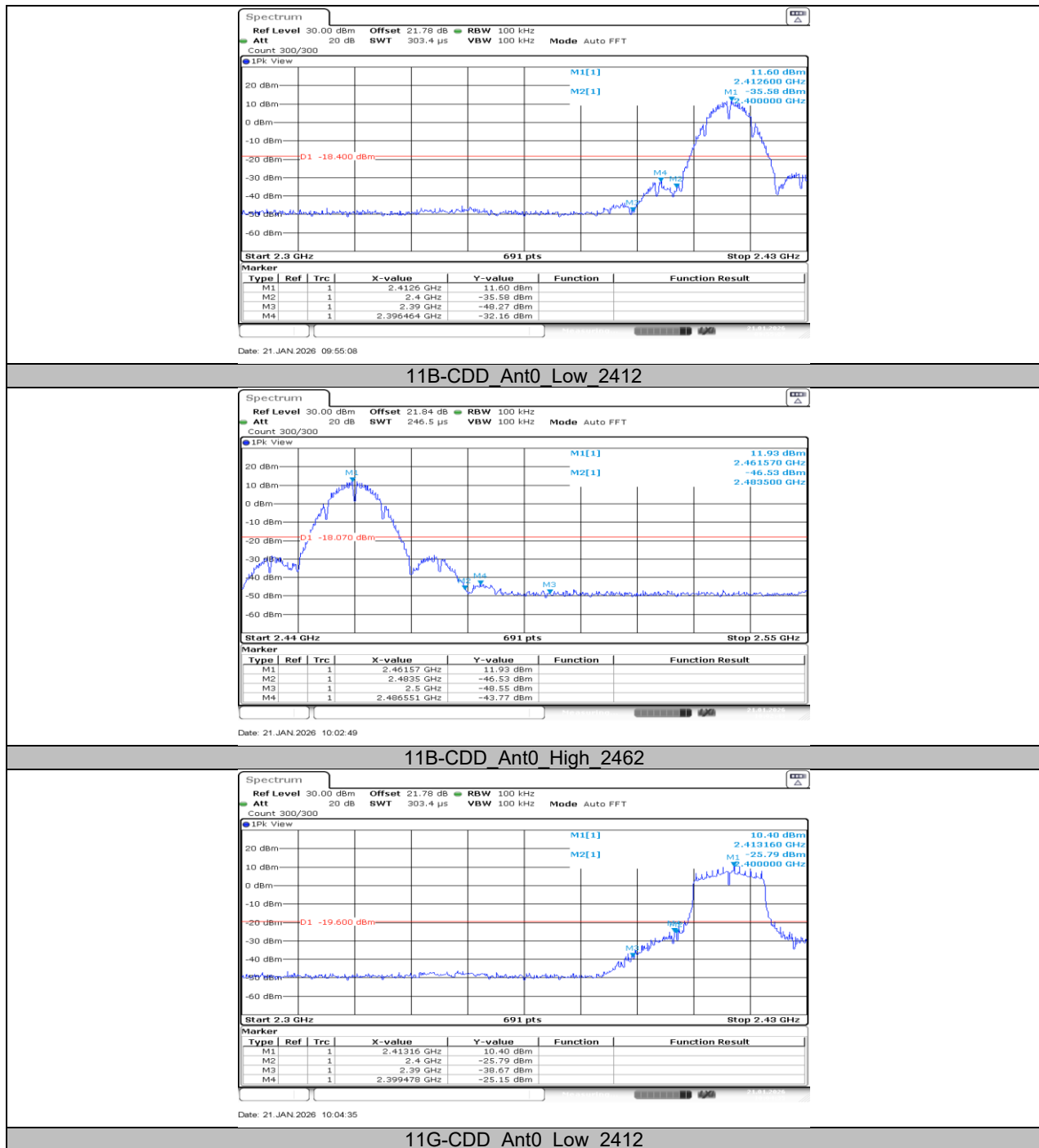
11.5.1. Test Result

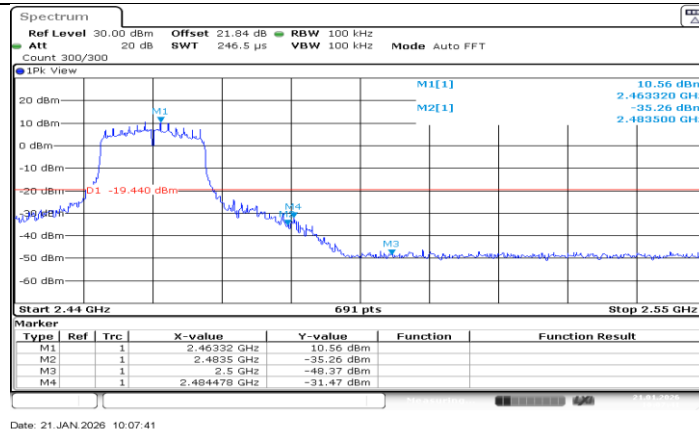
Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
11B-CDD	Ant0	Low	2412	11.60	-32.16	≤-18.4	PASS
		High	2462	11.93	-43.77	≤-18.07	PASS
11G-CDD	Ant0	Low	2412	10.40	-25.15	≤-19.6	PASS
		High	2462	10.56	-31.47	≤-19.44	PASS
11N20MIMO	Ant0	Low	2412	8.80	-28.63	≤-21.2	PASS
		High	2462	6.90	-31.38	≤-23.1	PASS
11N40MIMO	Ant0	Low	2422	6.12	-30.31	≤-23.88	PASS
		High	2452	5.21	-30.57	≤-24.79	PASS
11AX20MIMO	Ant0	Low	2412	7.43	-26.65	≤-22.57	PASS
		High	2462	7.18	-33.95	≤-22.82	PASS
11AX40MIMO	Ant0	Low	2422	7.17	-31.93	≤-22.83	PASS
		High	2452	5.45	-40.1	≤-24.55	PASS

TestMode	Antenna	ChName	Channel	Ru Size	Ru Index	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11AX20MIMO	Ant0	Low	2412	26Tone	RU0	12.99	-21.56	≤-17.01	PASS
				52Tone	RU37	10.44	-22.82	≤-19.56	PASS
				106Tone	RU53	5.04	-26.49	≤-24.96	PASS
		High	2462	26Tone	RU8	9.81	-35.97	≤-20.19	PASS
				52Tone	RU40	5.37	-36.13	≤-24.63	PASS
				106Tone	RU54	2.79	-37.28	≤-27.21	PASS

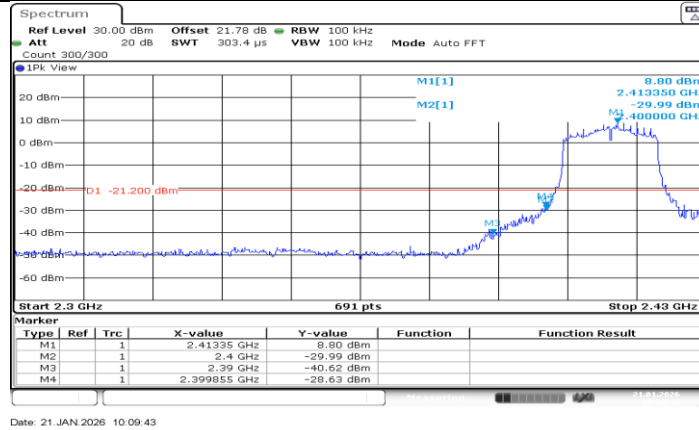
Note: Both ANT0 and ANT1 have been tested, only the worst data of antenna 0 was recorded in this report.

11.5.2. Test Graphs

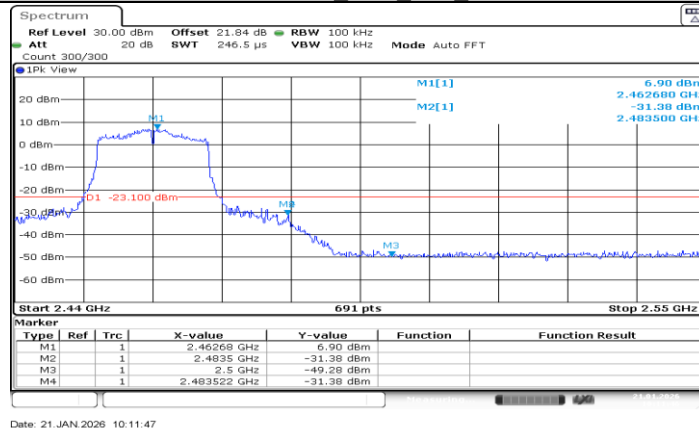




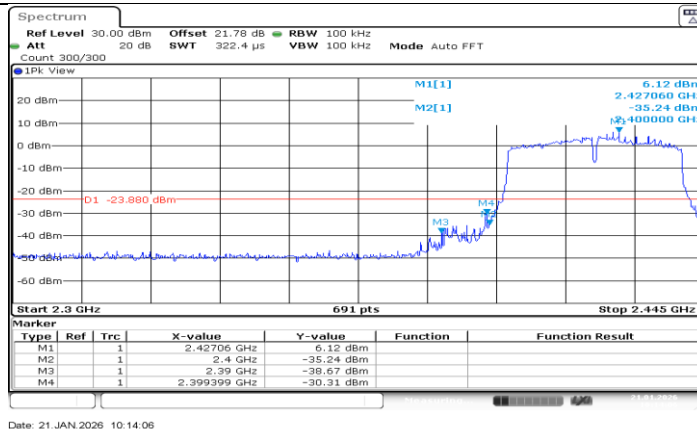
11G-CDD Ant0 High 2462



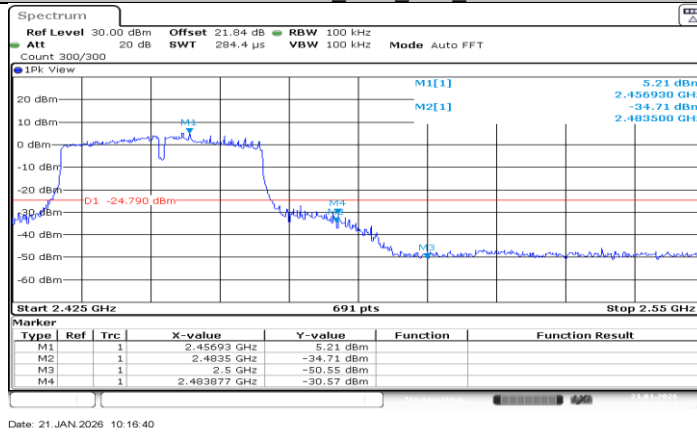
11N20MIMO Ant0 Low 2412



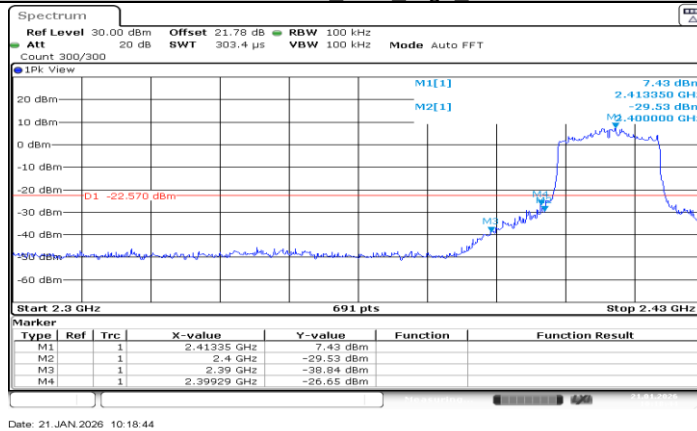
11N20MIMO Ant0 High 2462



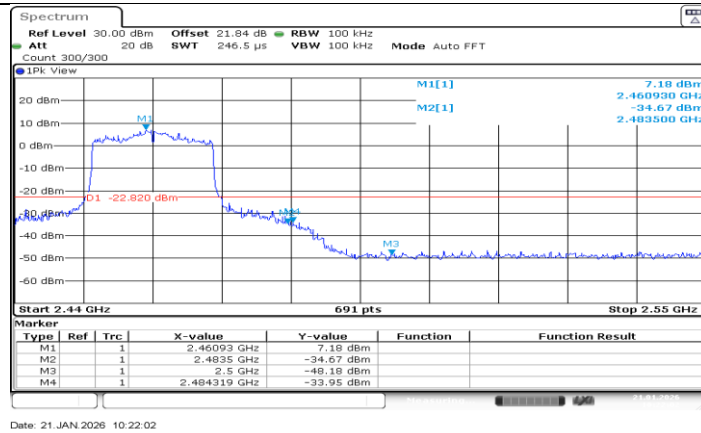
11N40MIMO Ant0 Low 2422



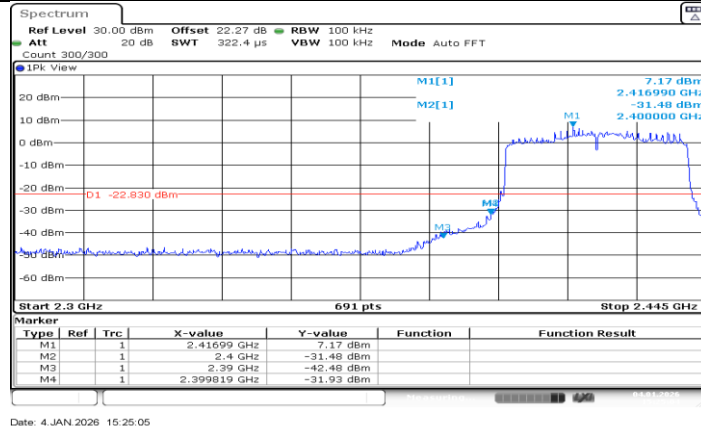
11N40MIMO Ant0 High 2452



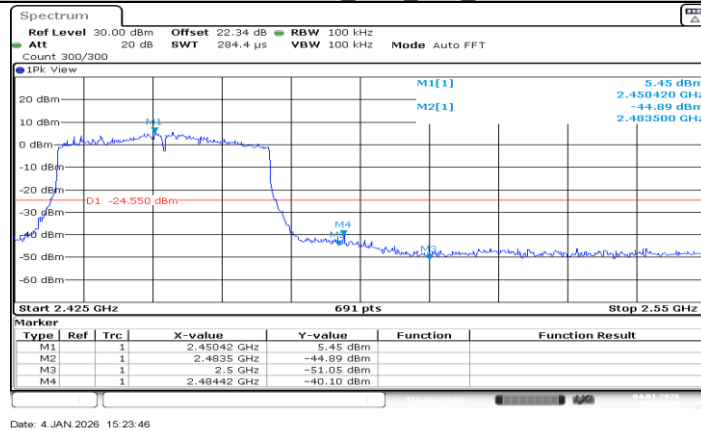
11AX20MIMO Ant0 Low 2412



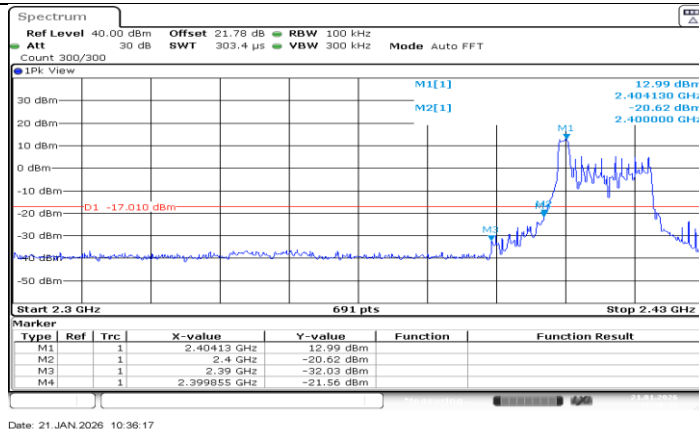
11AX20MIMO_Ant0_High_2462



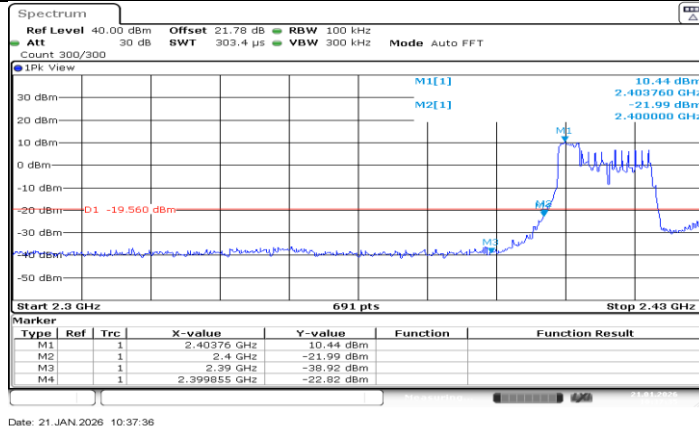
11AX40MIMO_Ant0_Low_2422



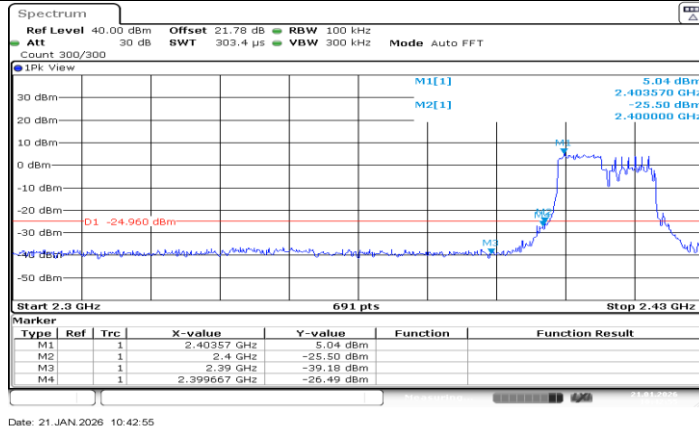
11AX40MIMO_Ant0_High_2452



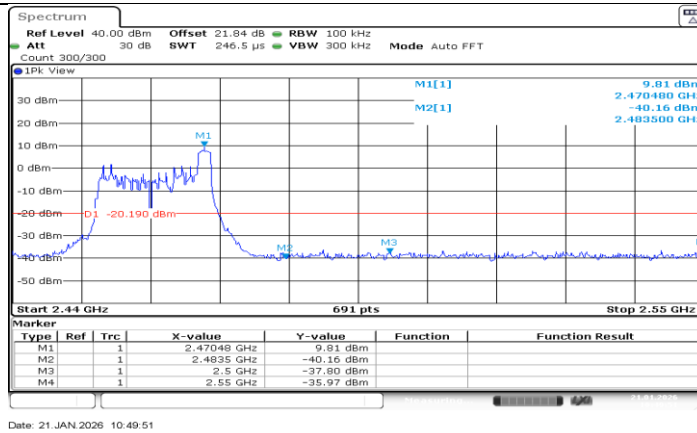
11AX20MIMO Ant0 Low 2412 26Tone RU0



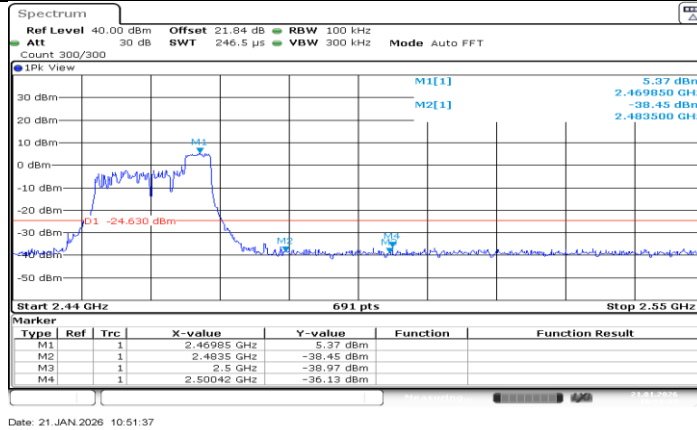
11AX20MIMO Ant0 Low 2412 52Tone RU37



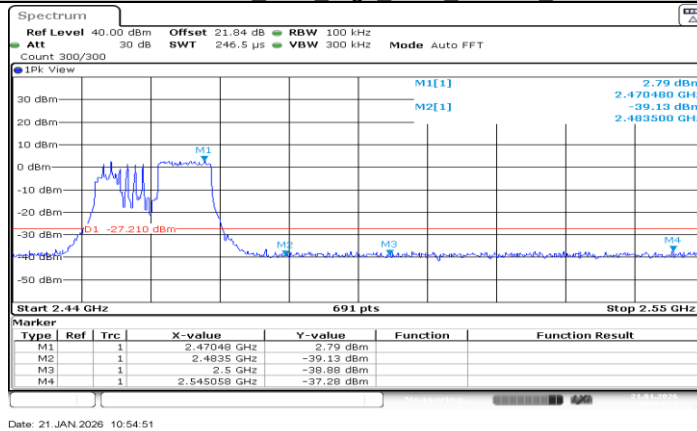
11AX20MIMO Ant0 Low 2412 106Tone RU53



11AX20MIMO Ant0 High 2462 26Tone RU8



11AX20MIMO Ant0 High 2462 52Tone RU40



11AX20MIMO Ant0 High 2462 106Tone RU54

11.6. APPENDIX F: CONDUCTED SPURIOUS EMISSION

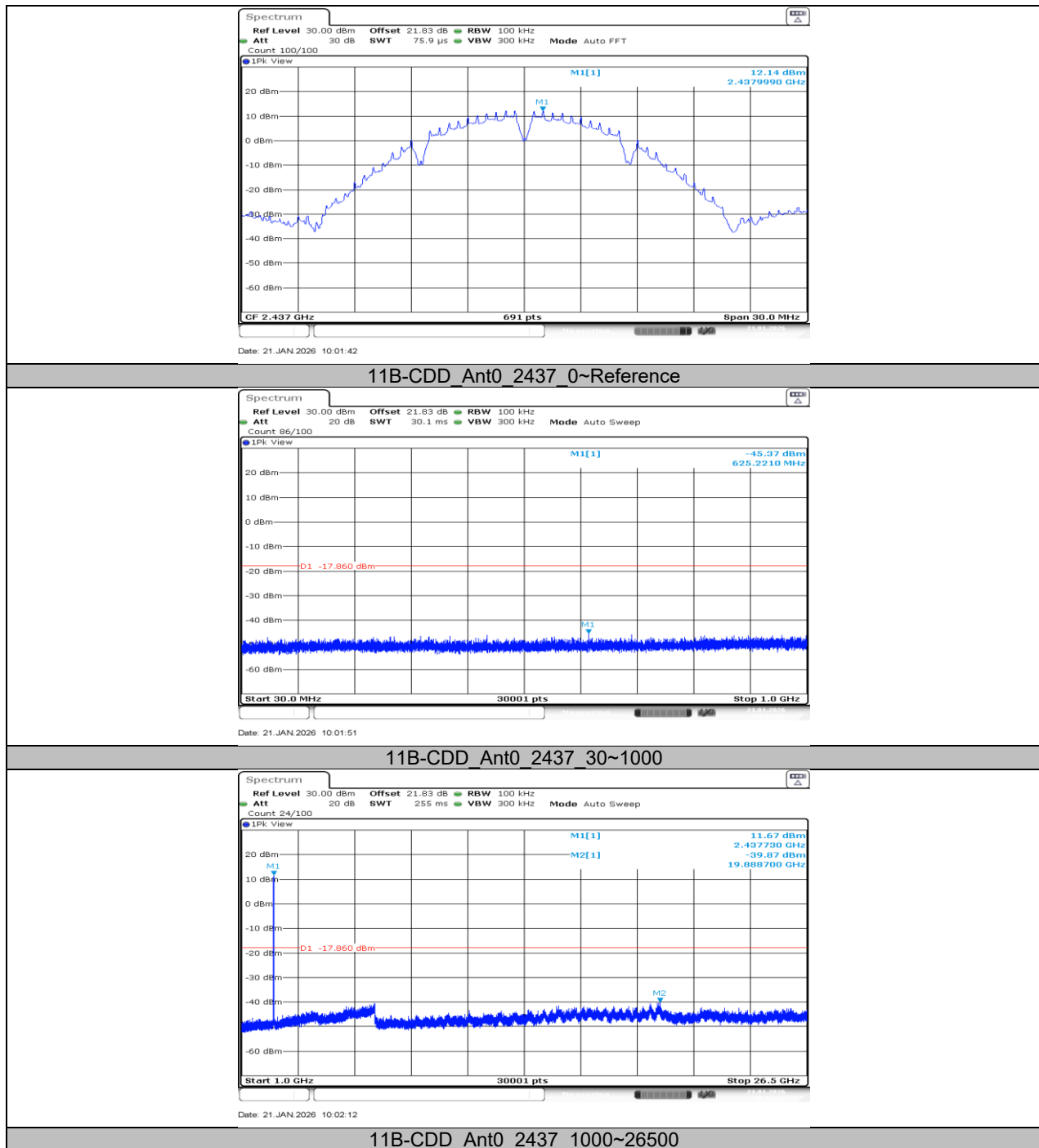
11.6.1. Test Result

Test Mode	Antenna	Frequency[MHz]	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11B-CDD	Ant0	2412	Reference	11.98	---	PASS
			30~1000	-45.52	≤ -18.02	PASS
			1000~26500	-40.02	≤ -18.02	PASS
		2437	Reference	12.14	---	PASS
			30~1000	-45.37	≤ -17.86	PASS
			1000~26500	-39.87	≤ -17.86	PASS
		2462	Reference	11.49	---	PASS
			30~1000	-45.58	≤ -18.51	PASS
			1000~26500	-40.41	≤ -18.51	PASS
11G-CDD	Ant0	2412	Reference	10.75	---	PASS
			30~1000	-44.82	≤ -19.25	PASS
			1000~26500	-40.4	≤ -19.25	PASS
		2437	Reference	10.53	---	PASS
			30~1000	-45.53	≤ -19.47	PASS
			1000~26500	-40.18	≤ -19.47	PASS
		2462	Reference	10.27	---	PASS
			30~1000	-45.31	≤ -19.73	PASS
			1000~26500	-40.63	≤ -19.73	PASS
11N20MIMO	Ant0	2412	Reference	7.39	---	PASS
			30~1000	-45.52	≤ -22.61	PASS
			1000~26500	-40.38	≤ -22.61	PASS
		2437	Reference	8.93	---	PASS
			30~1000	-45.59	≤ -21.07	PASS
			1000~26500	-40.14	≤ -21.07	PASS
		2462	Reference	8.92	---	PASS
			30~1000	-45.34	≤ -21.08	PASS
			1000~26500	-40.31	≤ -21.08	PASS
11N40MIMO	Ant0	2422	Reference	5.93	---	PASS
			30~1000	-45.3	≤ -24.07	PASS
			1000~26500	-39.98	≤ -24.07	PASS
		2437	Reference	5.16	---	PASS
			30~1000	-45.36	≤ -24.84	PASS
			1000~26500	-39.89	≤ -24.84	PASS
		2452	Reference	4.99	---	PASS
			30~1000	-44.62	≤ -25.01	PASS
			1000~26500	-39.76	≤ -25.01	PASS
11AX20MIMO	Ant0	2412	Reference	8.78	---	PASS
			30~1000	-44.01	≤ -21.22	PASS
			1000~26500	-40.41	≤ -21.22	PASS
		2437	Reference	9.38	---	PASS
			30~1000	-44.84	≤ -20.62	PASS
			1000~26500	-39.89	≤ -20.62	PASS
		2462	Reference	9.30	---	PASS
			30~1000	-44.69	≤ -20.7	PASS
			1000~26500	-40.2	≤ -20.7	PASS
11AX40MIMO	Ant0	2422	Reference	5.42	---	PASS
			30~1000	-45.56	≤ -24.58	PASS
			1000~26500	-40.24	≤ -24.58	PASS
		2437	Reference	4.91	---	PASS
			30~1000	-46.1	≤ -25.09	PASS
			1000~26500	-40.64	≤ -25.09	PASS
		2452	Reference	5.91	---	PASS
			30~1000	-45.8	≤ -24.09	PASS
			1000~26500	-39.99	≤ -24.09	PASS

TestMode	Antenna	Channel	Ru Size	Ru Index	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11AX20MIMO	Ant0	2412	26Tone	RU0	Reference	13.40	13.40	---	PASS
				RU0	30~1000	13.40	-45.22	≤-16.6	PASS
				RU0	1000~26500	13.40	-40.60	≤-16.6	PASS
			52Tone	RU37	Reference	10.15	10.15	---	PASS
				RU37	30~1000	10.15	-45.36	≤-19.85	PASS
				RU37	1000~26500	10.15	-40.10	≤-19.85	PASS
			106Tone	RU53	Reference	7.52	7.52	---	PASS
				RU53	30~1000	7.52	-45.71	≤-22.48	PASS
				RU53	1000~26500	7.52	-40.01	≤-22.48	PASS
		2437	26Tone	RU4	Reference	13.37	13.37	---	PASS
				RU4	30~1000	13.37	-45.90	≤-16.63	PASS
				RU4	1000~26500	13.37	-40.17	≤-16.63	PASS
			52Tone	RU38	Reference	10.44	10.44	---	PASS
				RU38	30~1000	10.44	-45.11	≤-19.56	PASS
				RU38	1000~26500	10.44	-40.45	≤-19.56	PASS
			106Tone	RU53	Reference	8.22	8.22	---	PASS
				RU53	30~1000	8.22	-45.91	≤-21.78	PASS
				RU53	1000~26500	8.22	-40.38	≤-21.78	PASS
		2462	26Tone	RU8	Reference	8.17	8.17	---	PASS
				RU8	30~1000	8.17	-44.81	≤-21.83	PASS
				RU8	1000~26500	8.17	-40.67	≤-21.83	PASS
			52Tone	RU40	Reference	5.18	5.18	---	PASS
				RU40	30~1000	5.18	-45.67	≤-24.82	PASS
				RU40	1000~26500	5.18	-40.02	≤-24.82	PASS
			106Tone	RU54	Reference	3.65	3.65	---	PASS
				RU54	30~1000	3.65	-44.83	≤-26.35	PASS
				RU54	1000~26500	3.65	-40.24	≤-26.35	PASS

Note: Both ANT0 and ANT1 have been tested, only the worst data of antenna 0 was recorded in this report.

11.6.2. Test Graphs



Note:

1. Only the Low channel plots were reported to show setting parameter compliance with testing method/procedure.
2. RBW setting to 100kHz is used in all modes on Conducted Spurious Emission test.

11.7. APPENDIX G: DUTY CYCLE

11.7.1. Test Result

Test Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
11B-CDD	1.42	1.43	0.9930	99.30	0.03	N/A	0.01
11G-CDD	2.09	2.11	0.9905	99.05	0.04	N/A	0.01
11N20MIMO	5.34	5.36	0.9963	99.63	0.02	N/A	0.01
11N40MIMO	5.36	5.38	0.9963	99.63	0.02	N/A	0.01
11AX20MIMO	5.40	5.42	0.9963	99.63	0.02	N/A	0.01
11AX40MIMO	5.38	5.40	0.9963	99.63	0.02	N/A	0.01

Test Mode	RuSize	RuIndex	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
11AX20SISO	26Tone	RU0	5.08	5.10	0.9961	99.61	0.02	N/A	0.01
	52Tone	RU37	5.07	5.09	0.9961	99.61	0.02	N/A	0.01
	106Tone	RU53	4.76	4.78	0.9958	99.58	0.02	N/A	0.01

Note:

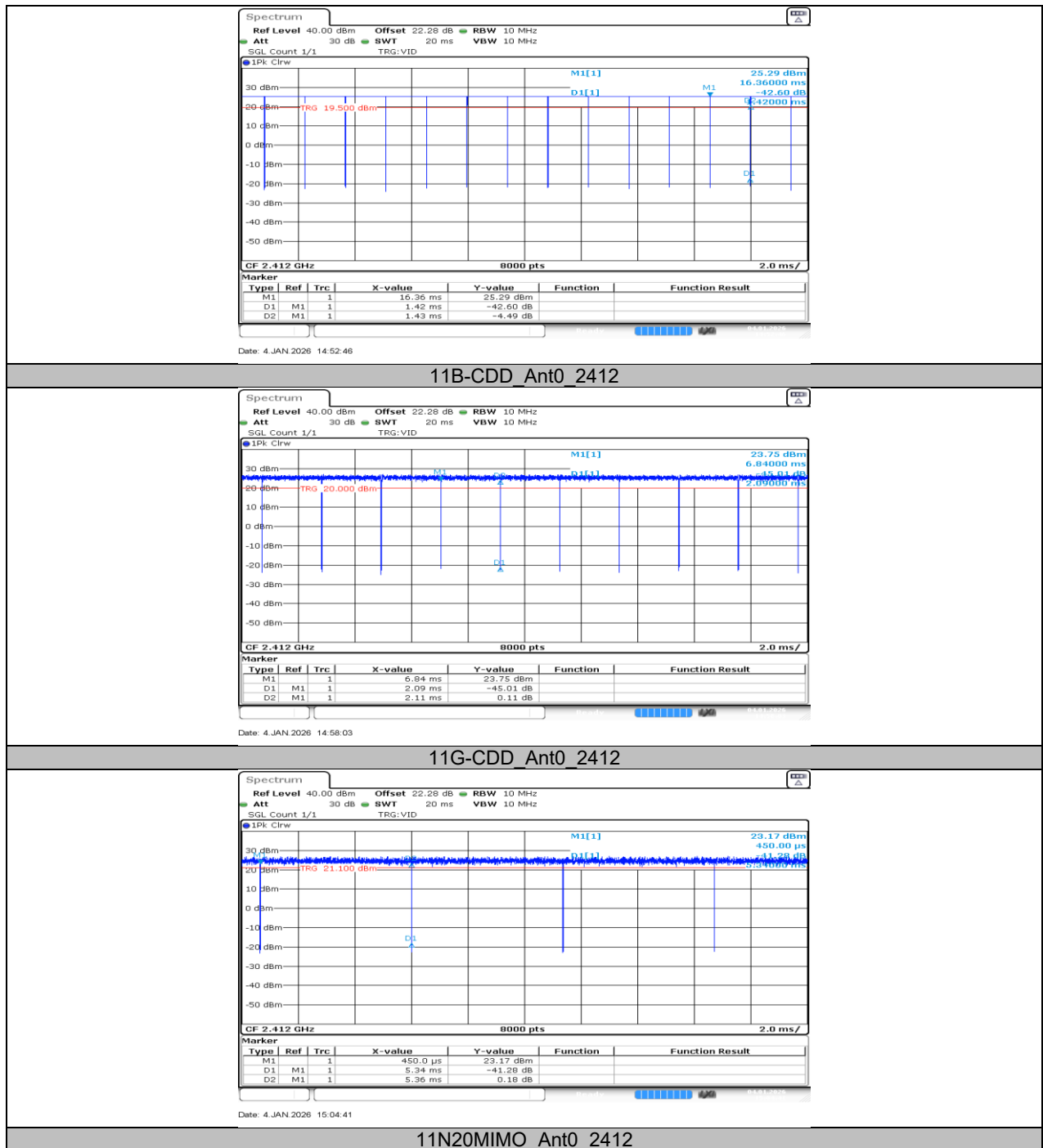
Duty Cycle Correction Factor=10log (1/x).

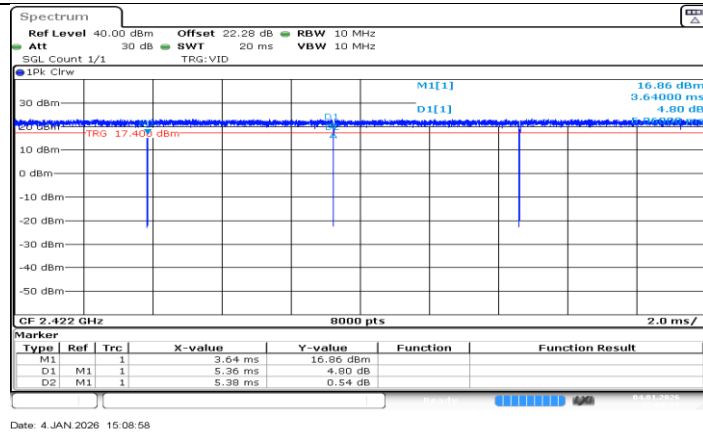
Where: x is Duty Cycle (Linear)

Where: T is On Time

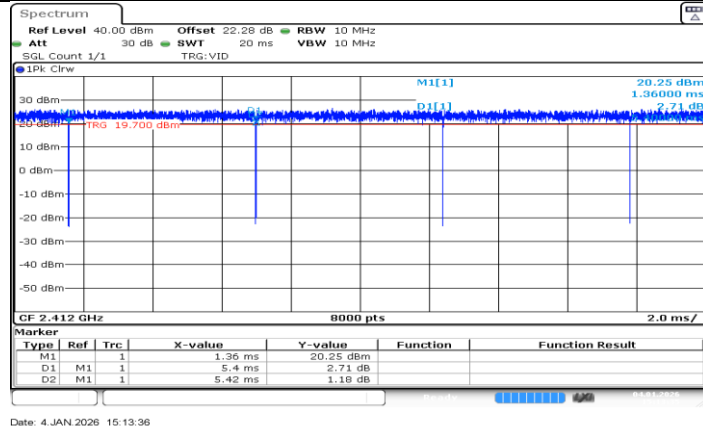
If that calculated VBW is not available on the analyzer then the next higher value should be used.

11.7.2. Test Graphs

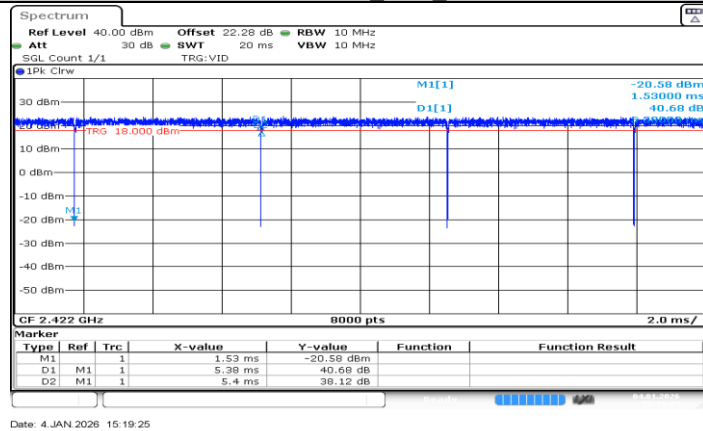




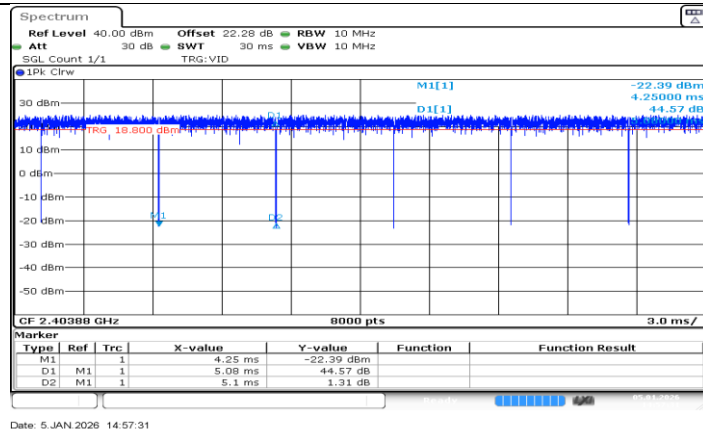
11N40MIMO_Ant0_2422



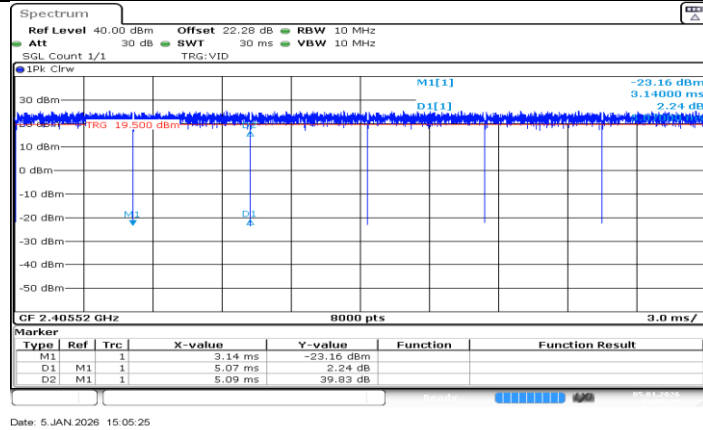
11AX20MIMO_Ant0_2412



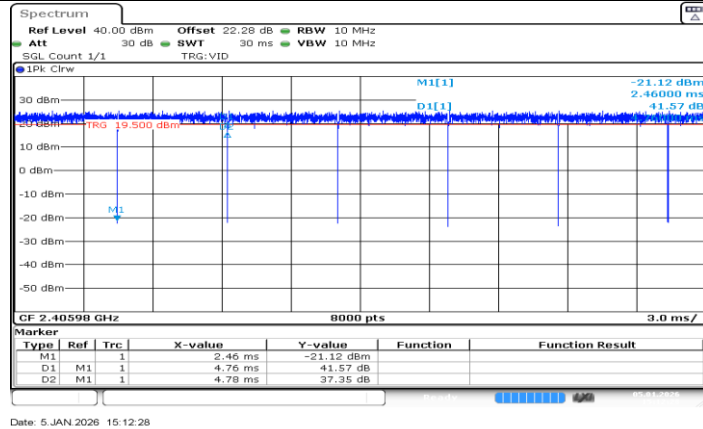
11AX40MIMO_Ant0_2422



11AX20MIMO Ant0 2412 26Tone RU0



11AX20MIMO Ant0 2412 52Tone RU37



11AX20MIMO Ant0 2412 106Tone RU53

END OF REPORT