

CFR 47 FCC PART 15 SUBPART C

TEST REPORT

For

Roku Battery Camera

MODEL NUMBER: SCB12X

SERIES EUT NAME: Roku Battery Camera SE

REPORT NUMBER: 4791635002-1-RF-1

ISSUE DATE: February 14, 2025

FCC ID:2AB2Q-SCB12X

Prepared for

LEEDARSON LIGHTING CO., LTD

**Xingtai Industrial Park, Economic Development Zone of Changtai County,
Zhangzhou City, Fujian.**

Prepared by

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Revision History

Rev.	Issue Date	Revisions	Revised By
V0	February 14, 2025	Initial Issue	

Summary of Test Results

Test Item	Clause	Limit/Requirement	Result
Antenna Requirement	N/A	FCC Part 15.203/15.247 (c)	Pass
AC Power Line Conducted Emission	ANSI C63.10-2013, Clause 6.2	FCC Part 15.207	Pass
Conducted Output Power	ANSI C63.10-2013, Clause 11.9.1.3	FCC Part 15.247 (b)(3)	Pass
6dB Bandwidth and 99% Occupied Bandwidth	ANSI C63.10-2013, Clause 11.8.1	FCC Part 15.247 (a)(2)	Pass
Power Spectral Density	ANSI C63.10-2013, Clause 11.10.2	FCC Part 15.247 (e)	Pass
Conducted Band edge and spurious emission	ANSI C63.10-2013, Clause 11.11	FCC Part 15.247(d)	Pass
Radiated Band edge and Spurious Emission	ANSI C63.10-2013, Clause 11.12 & Clause 11.13	FCC Part 15.247 (d) FCC Part 15.205/15.209	Pass
Duty Cycle	ANSI C63.10-2013, Clause 11.6	None; for reporting purposes only.	Pass

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

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

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1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name: LEEDARSON LIGHTING CO., LTD
Address: Xingtai Industrial Park, Economic Development Zone of Changtai County, Zhangzhou City, Fujian.

Manufacturer Information

Company Name: LEEDARSON LIGHTING CO., LTD
Address: Xingtai Industrial Park, Economic Development Zone of Changtai County, Zhangzhou City, Fujian.

EUT Information

EUT Name: Roku Battery Camera Plus
Series EUT Name: Roku Battery Camera Plus SE
Model: SCB12X
Brand: Roku
Sample Received Date: January 8, 2025
Sample Status: Normal
Sample ID: 8027453
Date of Tested: January 13, 2025 to February 14, 2025

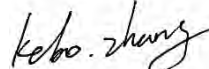
APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
CFR 47 FCC PART 15 SUBPART C	Pass

Prepared By:



Johnson Liu
Laboratory Engineer

Checked By:



Kebo Zhang
Senior Project Engineer

Approved By:



Stephen Guo
Operations Manager

2. TEST METHODOLOGY

All tests were performed in accordance with the standard CFR 47 FCC PART 15 SUBPART C, KDB 558074 D01 15.247 Meas Guidance v05r02, KDB 414788 D01 Radiated Test Site v01r01, KDB 662911 D01 Multiple Transmitter Output v02r01, CFR 47 FCC Part 2, ANSI C63.10-2013.

3. FACILITIES AND ACCREDITATION

Accreditation Certificate	<p>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.</p> <p>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</p> <p>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.</p>
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Note 1:

All tests measurement facilities use to collect the measurement data are located at Building 10, Innovation Technology Park, No. 1, Li Bin Road, Song Shan Lake Hi-Tech Development Zone Dongguan, 523808, People's Republic of 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:	Roku Battery Camera Plus
Series EUT Name:	Roku Battery Camera Plus SE
Model:	SCB12X

Frequency Range:	2412 MHz to 2462 MHz
Type of Modulation:	IEEE 802.11b: DSSS(CCK, DQPSK, DBPSK) IEEE 802.11g/n: OFDM(64-QAM, 16-QAM, QPSK, BPSK) IEEE 802.11ax: OFDMA(64-QAM, 16-QAM, QPSK, BPSK)
Radio Technology:	IEEE 802.11b/g/n-HT20/ax-HE20
Normal Test Voltage:	DC 3.65V via Battery or DC 5V via Adapter

Note: We have pre-test the two ways of power supply, only the worst data were recorded in the report.

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	/	/

5.3. MAXIMUM POWER

IEEE Std. 802.11	Frequency (MHz)	Channel Number	Maximum Conducted AVG Output Power (dBm)
b	2412 ~ 2462	1-11[11]	21.46
g	2412 ~ 2462	1-11[11]	21.51
n HT20	2412 ~ 2462	1-11[11]	21.44
ax HE20	2412 ~ 2462	1-11[11]	21.98

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 2, CH 6(MID Channel), CH 8, CH 9, CH 10, CH 11(High Channel)	2412 MHz, 2417 MHz, 2437 MHz, 2447 MHz, 2452 MHz, 2457 MHz, 2462 MHz
n HT20	CH 1(Low Channel), CH 2, CH 6(MID Channel), CH 9, CH 10, CH 11(High Channel)	2412 MHz, 2417 MHz, 2437 MHz, 2452 MHz, 2457 MHz, 2462 MHz
ax HE20	CH 1(Low Channel), CH 2, CH 6(MID Channel), CH 8, CH 9, CH 10, CH 11(High Channel)	2412 MHz, 2417 MHz, 2437 MHz, 2447 MHz, 2452 MHz, 2457 MHz, 2462 MHz

5.5. THE WORSE CASE POWER SETTING PARAMETER

The Worse Case Power Setting Parameter under 2400 ~ 2483.5MHz Band	
Test Software	sscom5.13.1

Test Mode	Channel	Power Level
b	2412	19
	2437	20
	2462	19
g	2412	16
	2417	18
	2437	19
	2447	19
	2452	16
	2457	15
	2462	13
n20	2412	17
	2417	17
	2437	19
	2452	19
	2457	16
	2462	14
ax20	2412	14
	2417	17
	2437	19
	2447	17
	2452	15
	2457	13
	2462	11

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

802.11ax HE20 mode: MCS0

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

5.7. DESCRIPTION OF AVAILABLE ANTENNAS

Antenna	Frequency (MHz)	Antenna Type	MAX Antenna Gain (dBi)
1	2412-2462	Metal antenna	3.26

Test Mode	Transmit and Receive Mode	Description
IEEE 802.11b	<input checked="" type="checkbox"/> 1TX, 1RX	ANT 1 can be used as transmitting/receiving antenna.
IEEE 802.11g	<input checked="" type="checkbox"/> 1TX, 1RX	ANT 1 can be used as transmitting/receiving antenna.
IEEE 802.11n HT20	<input checked="" type="checkbox"/> 1TX, 1RX	ANT 1 can be used as transmitting/receiving antenna.
IEEE 802.11ax HE20	<input checked="" type="checkbox"/> 1TX, 1RX	ANT 1 can be used as transmitting/receiving antenna.

5.8. SUPPORT UNITS FOR SYSTEM TEST

SUPPORT EQUIPMENT

Item	Equipment	Brand Name	Model Name	Remark
1	PC	Lenovo	E14	/
2	Switch DC Adapter	HUAWEI	HW-100225C00	/

I/O CABLES

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

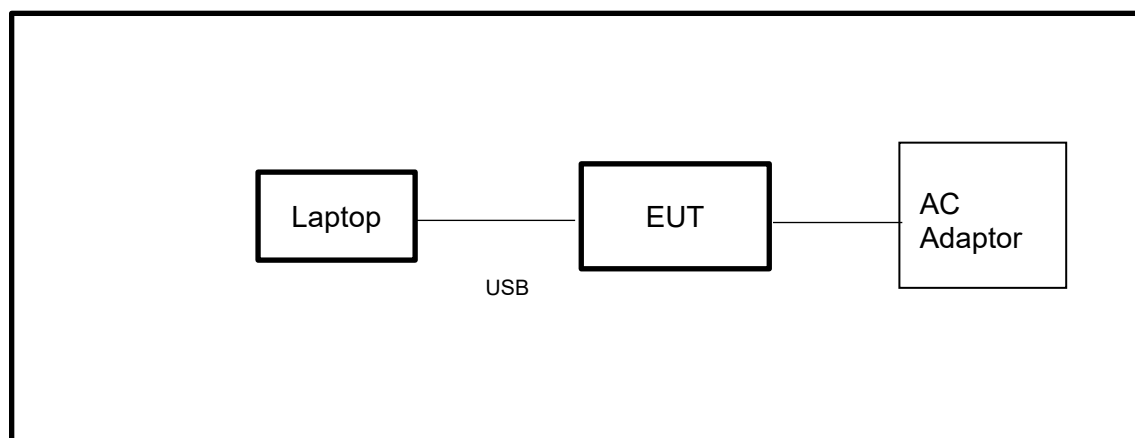
ACCESSORIES

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



Note: AC Adaptor only use for AC POWER LINE CONDUCTED EMISSION test

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	Mar.25,2024	Mar.24,2025
Vector Signal Generator	R&S	SMBV100A	261637	Sep.28, 2024	Sep.27, 2025
Signal Generator	R&S	SMB100A	178553	Sep.28, 2024	Sep.27, 2025
Signal Analyzer	R&S	FSV40	101118	Sep.28, 2024	Sep.27, 2025
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.13, 2024	Sep.12, 2025
PXA Signal Analyzer	Keysight	N9030A	MY55410512	Sep.28, 2024	Sep.27, 2025
MXG Vector Signal Generator	Keysight	N5182B	MY56200284	Sep.28, 2024	Sep.27, 2025
MXG Vector Signal Generator	Keysight	N5172B	MY56200301	Sep.28, 2024	Sep.27, 2025
DC power supply	Keysight	E3642A	MY55159130	Sep.28, 2024	Sep.27, 2025
Temperature & Humidity Chamber	SANMOOD	SG-80-CC-2	2088	Sep.28, 2024	Sep.27, 2025
Attenuator	Aglient	8495B	2814a12853	Sep.28, 2024	Sep.27, 2025
RF Control Unit	Tonscend	JS0806-2	23B80620666	Mar.25,2024	Mar.24,2025
Software					
Description	Manufacturer	Name		Version	
Tonsend SRD Test System	Tonsend	JS1120-3 RF Test System		V3.2.22	

Conducted Emissions					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
EMI Test Receiver	R&S	ESR3	101961	Sep.28, 2024	Sep.27, 2025
Two-Line V-Network	R&S	ENV216	101983	Sep.28, 2024	Sep.27, 2025
Artificial Mains Networks	Schwarzbeck	NSLK 8126	8126465	Sep.28, 2024	Sep.27, 2025
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.28, 2024	Sep.27, 2025
Hybrid Log Periodic Antenna	TDK	HLP-3003C	130960	June 28, 2024	June.27 2027
Preamplifier	HP	8447D	2944A09099	Sep.28, 2024	Sep.27, 2025
EMI Measurement Receiver	R&S	ESR26	101377	Sep.28, 2024	Sep.27, 2025
Horn Antenna	TDK	HRN-0118	130939	Apr.29, 2022	Apr.28, 2025
Preamplifier	TDK	PA-02-0118	TRS-305-00067	Sep.28, 2024	Sep.27, 2025
Horn Antenna	Schwarzbeck	BBHA9170	697	Jun 30, 2024	Jun 29, 2027
Preamplifier	TDK	PA-02-2	TRS-307-00003	Sep.28, 2024	Sep.27, 2025
Preamplifier	TDK	PA-02-3	TRS-308-00002	Sep.28, 2024	Sep.27, 2025
Loop antenna	Schwarzbeck	1519B	00008	Dec. 09, 2024	Dec.08, 2027
High Pass Filter	Wi	WHKX10-2700-3000-18000-40SS	23	Sep.28, 2024	Sep.27, 2025
Band Reject Filter	Wainwright	WRCJV8-2350-2400-2483.5-2533.5-40SS	4	Sep.28, 2024	Sep.27, 2025
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	Oct.8, 2024	Oct.7, 2025
Barometer	Yiyi	Baro	N/A	Oct.10, 2024	Oct.9, 2025
Attenuator	Agilent	8495B	2814a12853	Sep.28, 2024	Sep.27, 2025

7. ANTENNA PORT TEST RESULTS

7.1. CONDUCTED OUTPUT POWER

LIMITS

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

TEST PROCEDURE

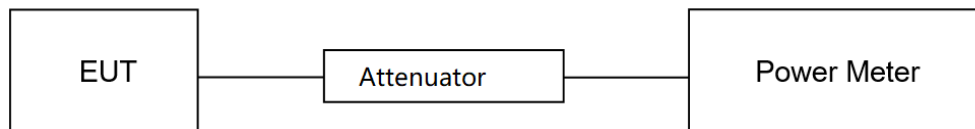
Refer to ANSI C63.10-2013 clause 11.9.2.3.1.

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	23.3°C	Relative Humidity	45.7%
Atmosphere Pressure	101kPa	Test Voltage	DC 3.65V

TEST DATE / ENGINEER

Test Date	January 14, 2025	Test By	White Zhu
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TEST RESULTS

Please refer to section "Test Data" - Appendix B

7.2. 6DB BANDWIDTH AND 99% OCCUPIED BANDWIDTH

LIMITS

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

TEST PROCEDURE

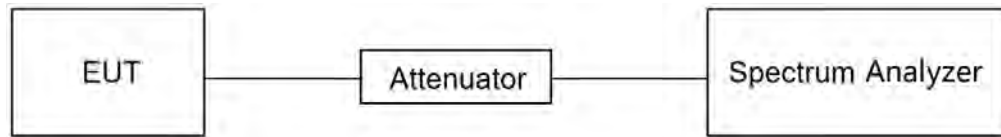
Refer to ANSI C63.10-2013 clause 11.8 for DTS bandwidth and clause 6.9 for Occupied Bandwidth.

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: 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	23.3℃	Relative Humidity	45.7%
Atmosphere Pressure	101kPa	Test Voltage	DC 3.65V

TEST DATE / ENGINEER

Test Date	January 14, 2025	Test By	White Zhu
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TEST RESULTS

Please refer to section "Test Data" - Appendix C&D

7.3. POWER SPECTRAL DENSITY

LIMITS

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

TEST PROCEDURE

Refer to ANSI C63.10-2013 clause 11.10.5.

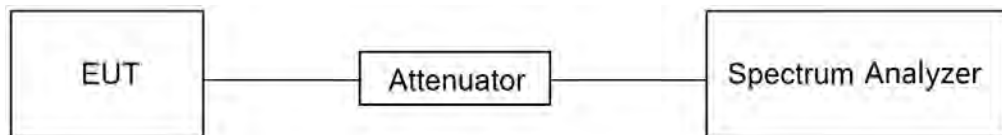
Connect the EUT to the spectrum analyzer and use the following settings:

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

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

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

TEST SETUP



TEST ENVIRONMENT

Temperature	23.3°C	Relative Humidity	45.7%
Atmosphere Pressure	101kPa	Test Voltage	DC 3.65V

TEST DATE / ENGINEER

Test Date	January 14, 2025	Test By	White Zhu
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TEST RESULTS

Please refer to section "Test Data" - Appendix E

7.4. CONDUCTED BAND EDGE AND SPURIOUS EMISSION

LIMITS

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

TEST PROCEDURE

Refer to ANSI C63.10-2013 clause 11.11 and 11.13.

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

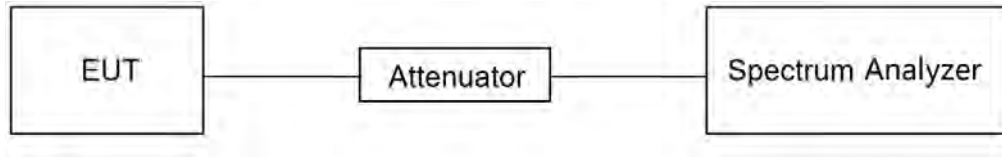
Center Frequency	The center frequency of the channel under test
Detector	Peak
RBW	100 kHz
VBW	$\geq 3 \times \text{RBW}$
Span	1.5 x DTS bandwidth
Trace	Max hold
Sweep time	Auto couple.

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	Auto couple.

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	23.3℃	Relative Humidity	45.7%
Atmosphere Pressure	101kPa	Test Voltage	DC 3.65V

TEST DATE / ENGINEER

Test Date	January 14, 2025	Test By	White Zhu
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TEST RESULTS

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

7.5. DUTY CYCLE

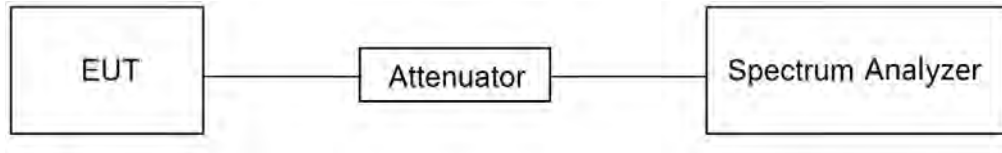
LIMITS

None; for reporting purposes only.

TEST PROCEDURE

Refer to ANSI C63.10-2013 clause 11.6 Zero – Span Spectrum Analyzer method.

TEST SETUP



TEST ENVIRONMENT

Temperature	23.3°C	Relative Humidity	45.7%
Atmosphere Pressure	101kPa	Test Voltage	DC 3.65V

TEST DATE / ENGINEER

Test Date	January 14, 2025	Test By	White Zhu
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TEST RESULTS

Please refer to section "Test Data" - Appendix A

8. RADIATED TEST RESULTS

LIMITS

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

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

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

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

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

²Above 38.6c

TEST PROCEDURE

Below 30 MHz

The setting of the spectrum analyzer

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

1. The testing follows the guidelines in ANSI C63.10-2013 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 C63.10-2013 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.

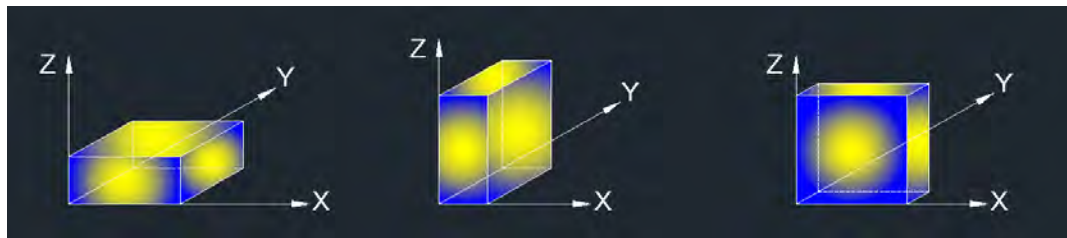
Above 1 GHz

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 C63.10-2013 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.

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

Note:

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

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

Note:

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

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

Note:

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

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

Note:

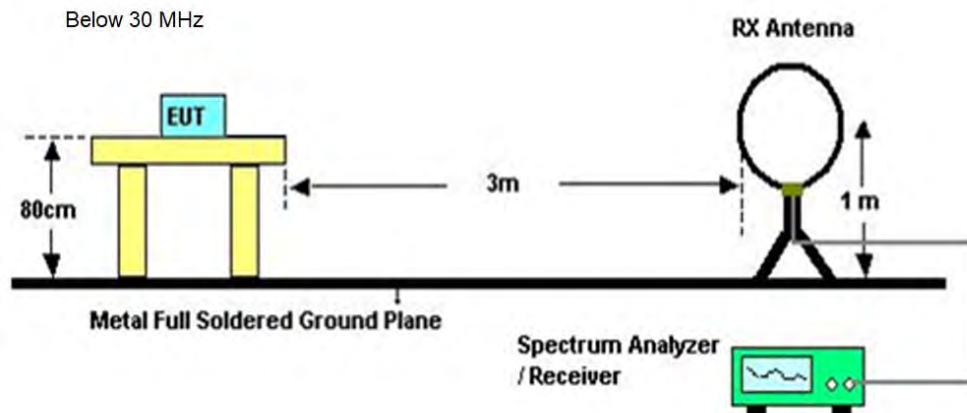
1. Peak Result = Reading Level + Correct Factor.
2. If the peak values are less than the average limit of 54 dBuV/m, the average result is deemed to comply with average limit.
3. Peak: Peak detector.
4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.
5. For the transmitting duration, please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

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

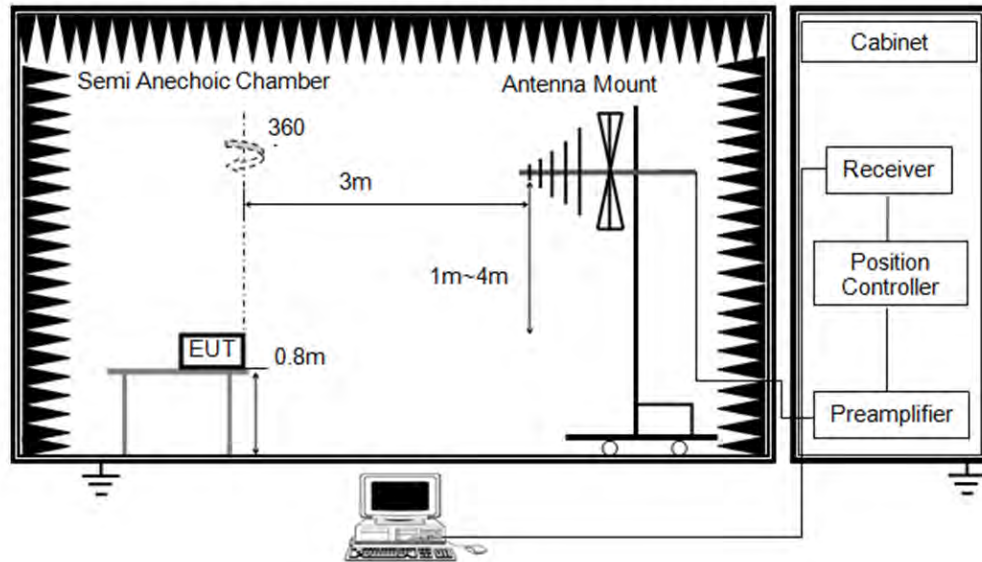
Note:

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

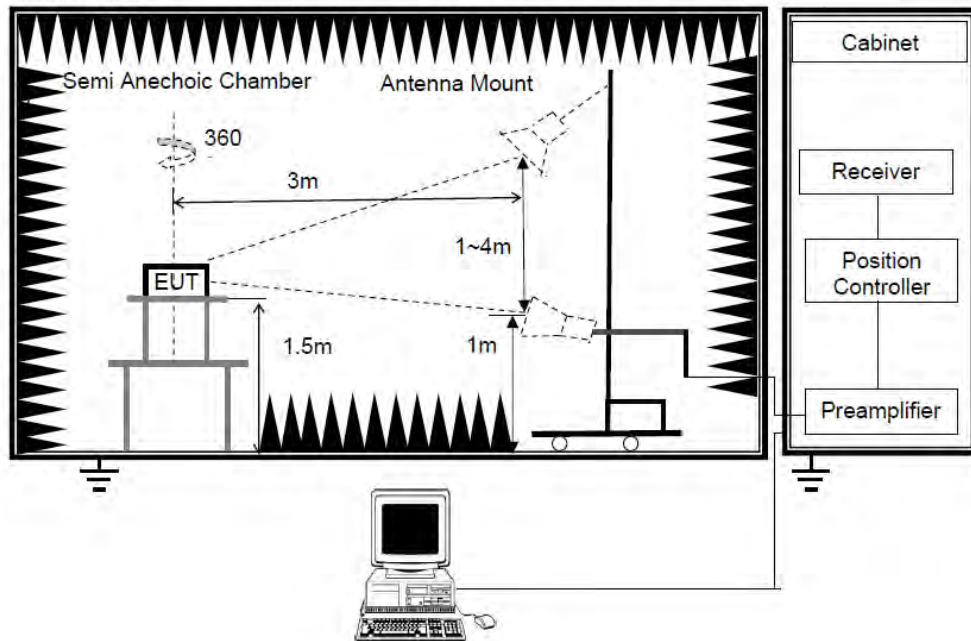
TEST SETUP



Below 1 GHz and above 30 MHz



Above 1GHz



TEST ENVIRONMENT

Temperature	21.5°C	Relative Humidity	57.6%
Atmosphere Pressure	101kPa	Test Voltage	

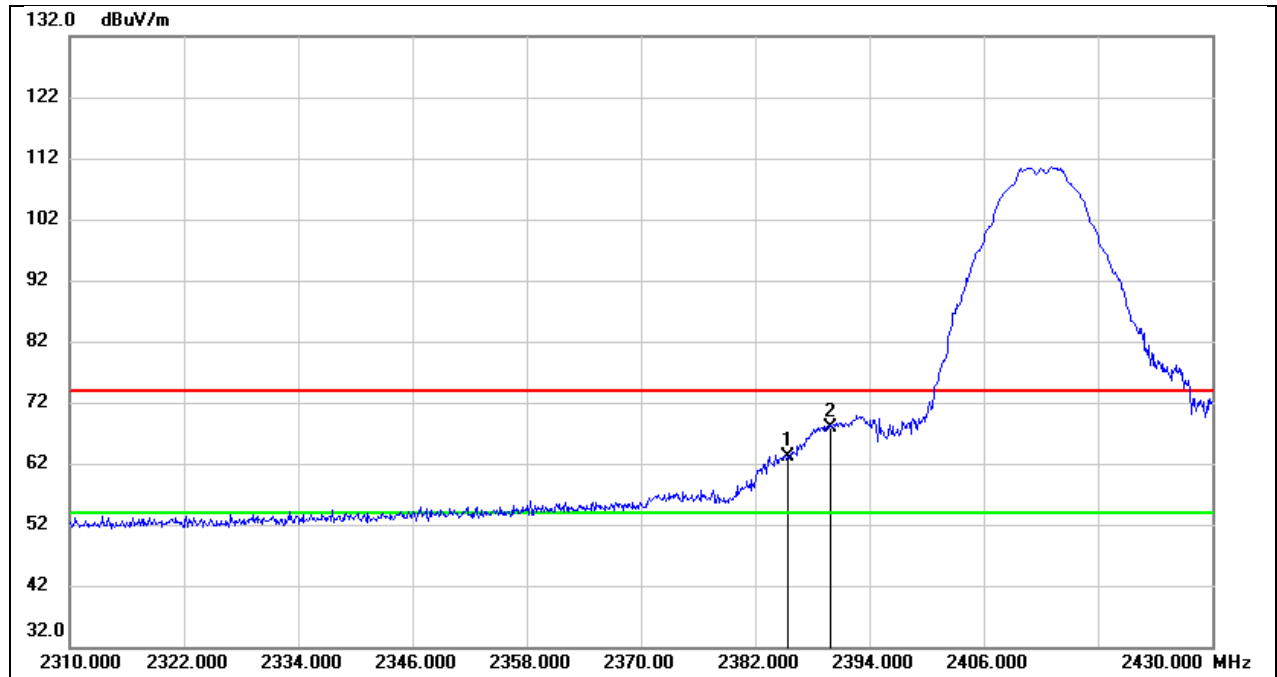
TEST DATE / ENGINEER

Test Date	February 11, 2025	Test By	Mason Wang
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TEST RESULTS

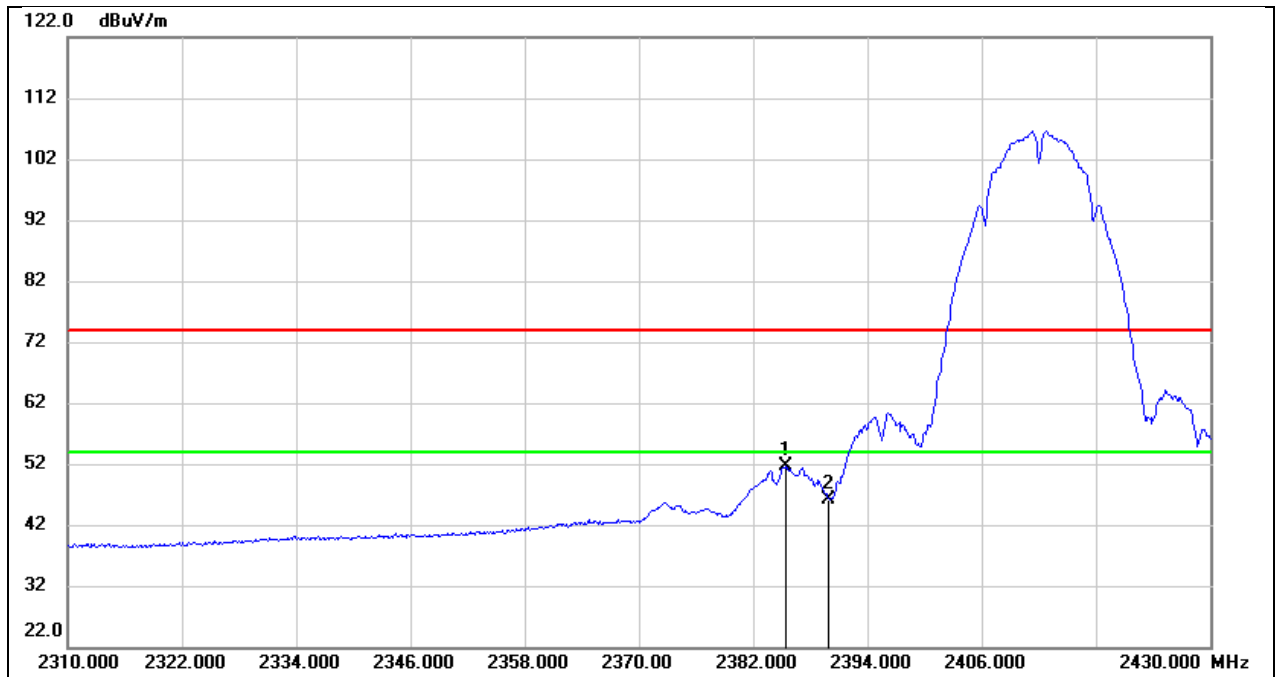
8.1. RESTRICTED BANDEDGE

Test Mode:	802.11b PK	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 3.65V



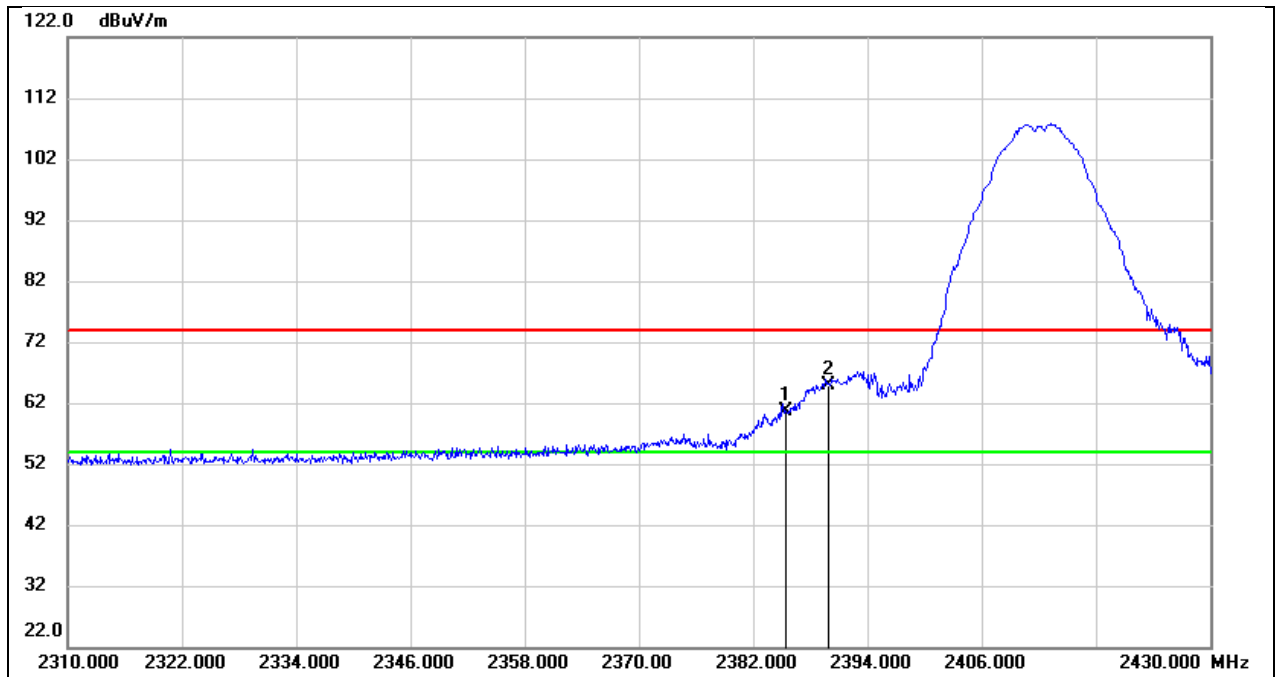
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2385.360	31.31	31.71	63.02	74.00	-10.98	peak
2	2390.000	36.27	31.73	68.00	74.00	-6.00	peak

Test Mode:	802.11b AV	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 3.65V



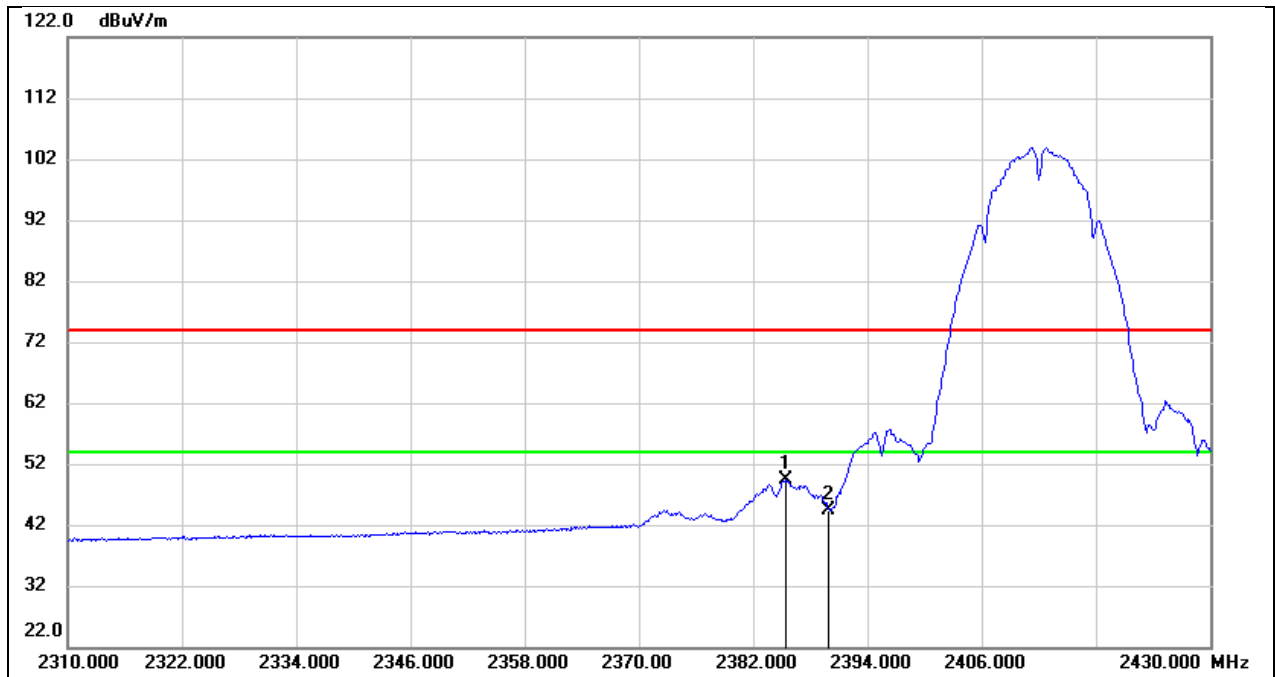
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2385.360	19.83	31.71	51.54	54.00	-2.46	AVG
2	2390.000	14.35	31.73	46.08	54.00	-7.92	AVG

Test Mode:	802.11b PK	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 3.65V



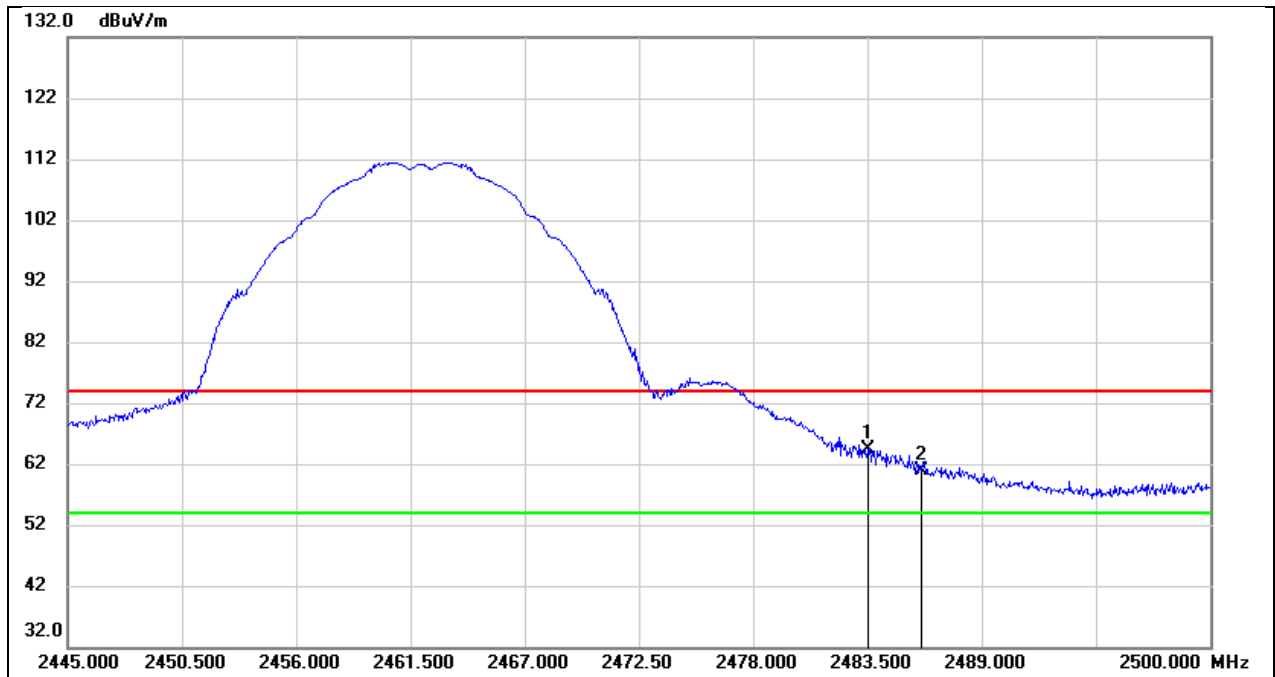
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2385.360	28.22	32.53	60.75	74.00	-13.25	peak
2	2390.000	32.41	32.55	64.96	74.00	-9.04	peak

Test Mode:	802.11b AV	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 3.65V



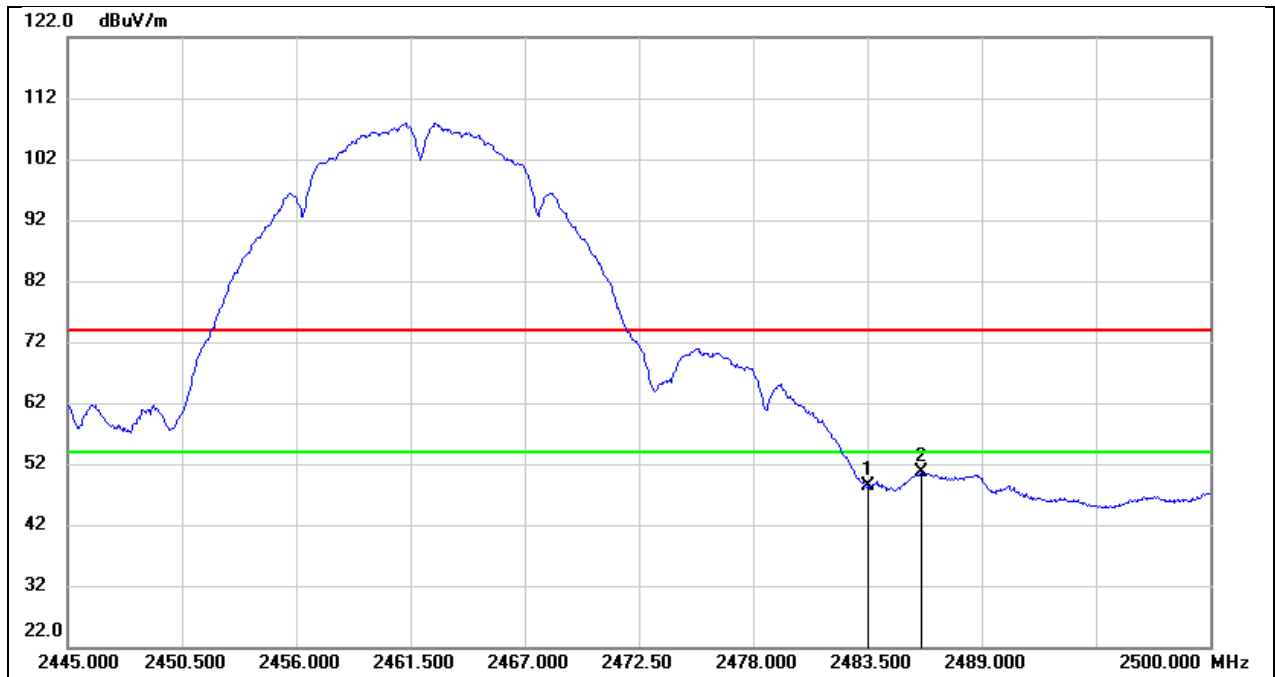
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2385.360	16.81	32.53	49.34	54.00	-4.66	AVG
2	2390.000	11.84	32.55	44.39	54.00	-9.61	AVG

Test Mode:	802.11b PK	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 3.65V



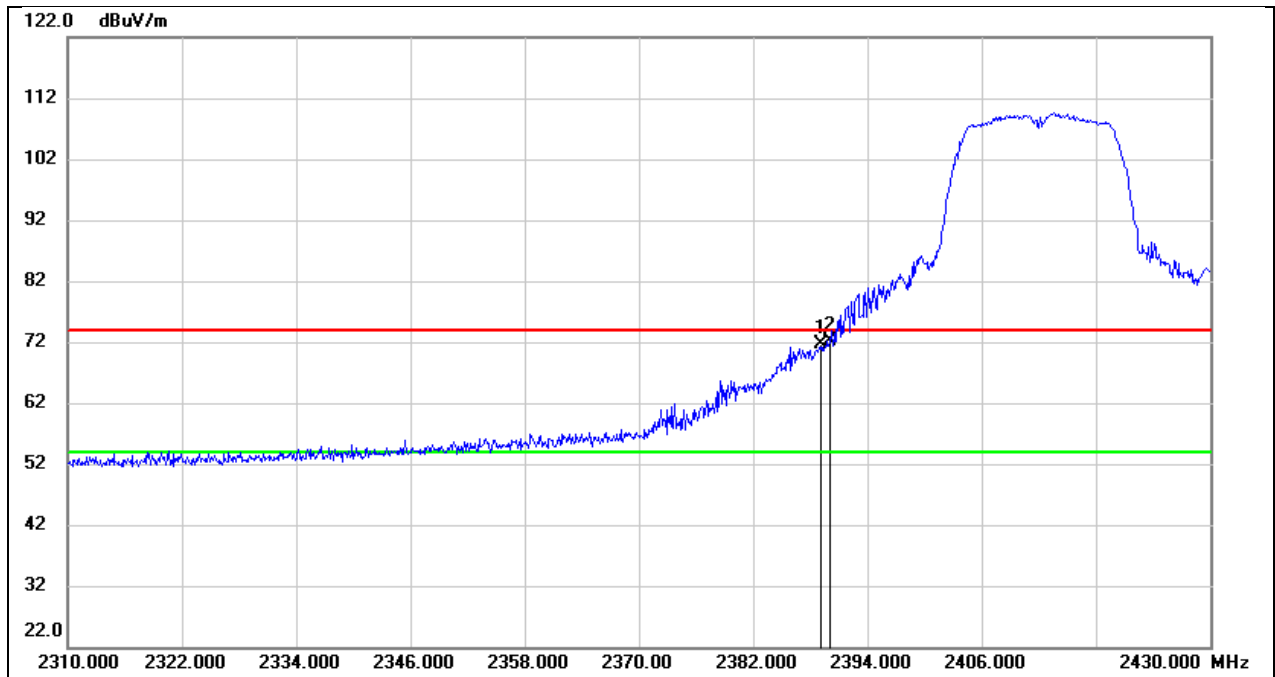
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	32.40	32.00	64.40	74.00	-9.60	peak
2	2486.085	28.83	32.00	60.83	74.00	-13.17	peak

Test Mode:	802.11b AV	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 3.65V



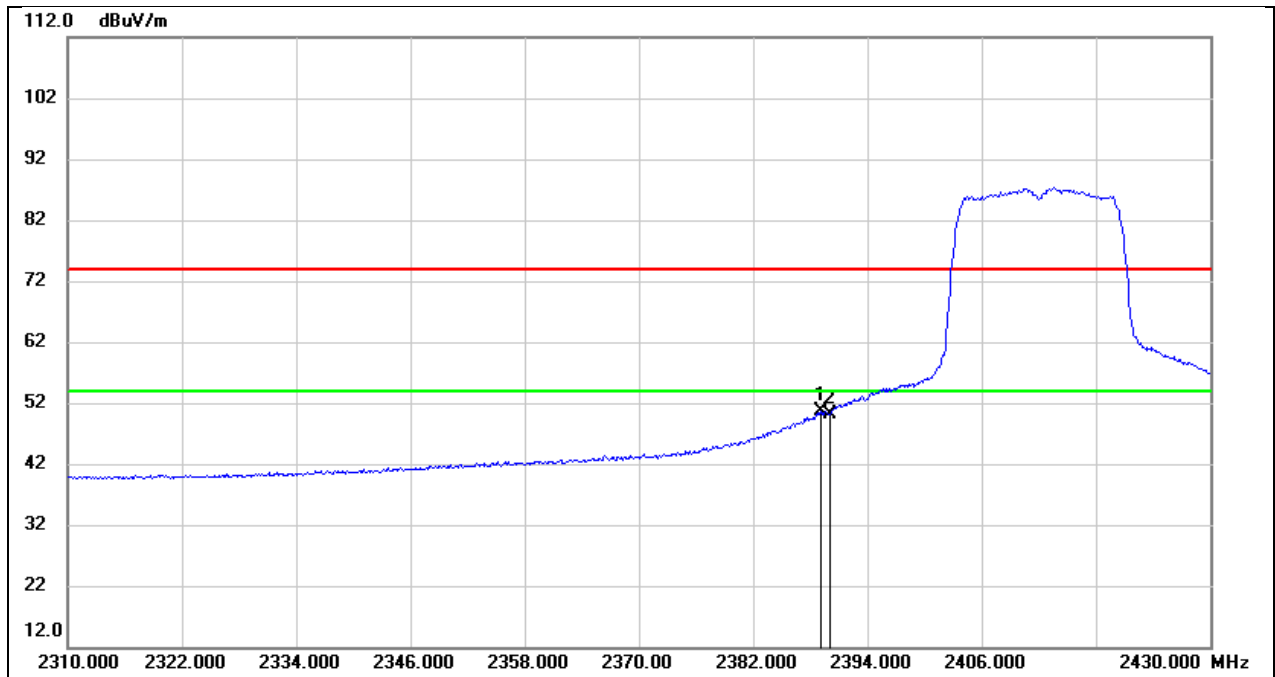
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	16.36	32.00	48.36	54.00	-5.64	AVG
2	2486.085	18.56	32.00	50.56	54.00	-3.44	AVG

Test Mode:	802.11g PK	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 3.65V



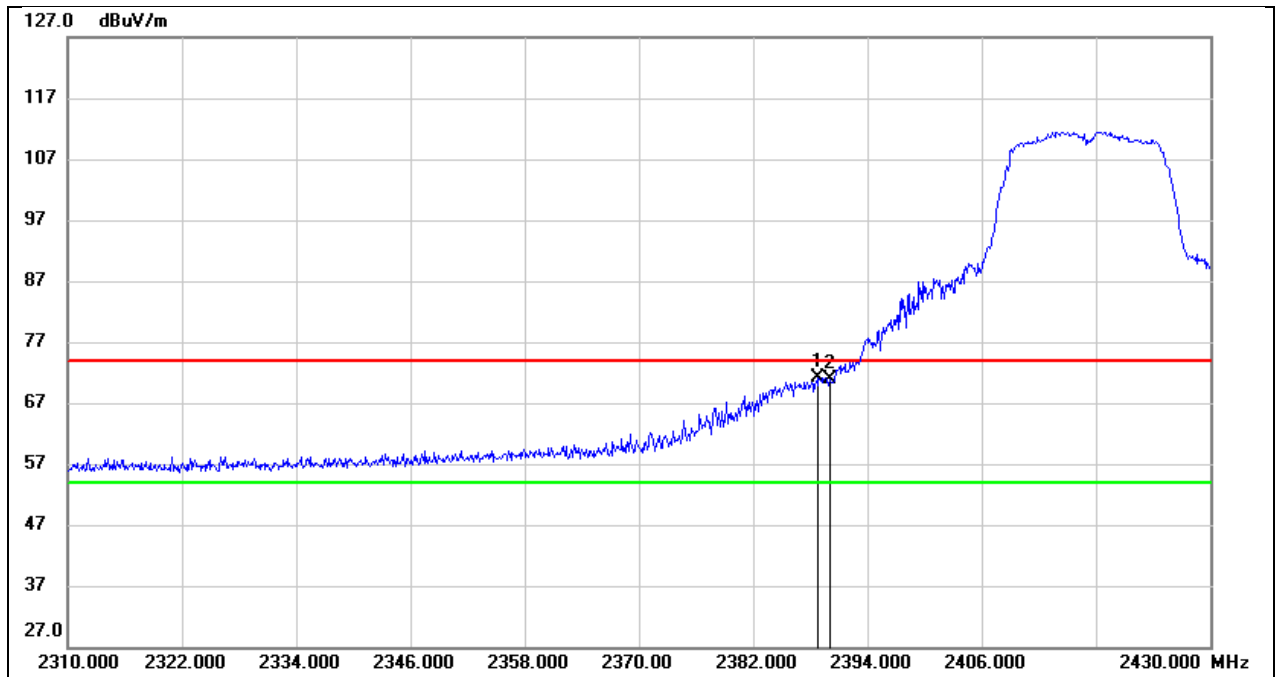
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.080	40.00	31.73	71.73	74.00	-2.27	peak
2	2390.000	40.38	31.73	72.11	74.00	-1.89	peak

Test Mode:	802.11g AV	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 3.65V



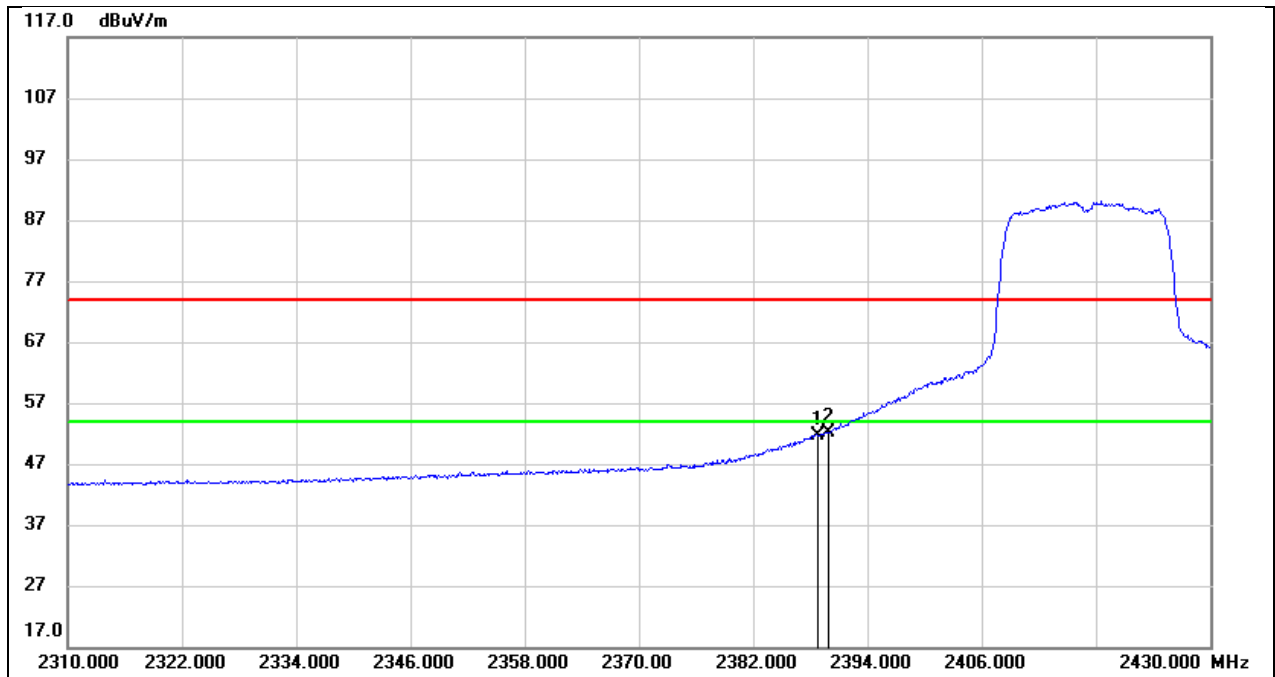
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.080	18.96	31.73	50.69	54.00	-3.31	AVG
2	2390.000	18.45	31.73	50.18	54.00	-3.82	AVG

Test Mode:	802.11g PK	Frequency(MHz):	2417
Polarity:	Horizontal	Test Voltage:	DC 3.65V



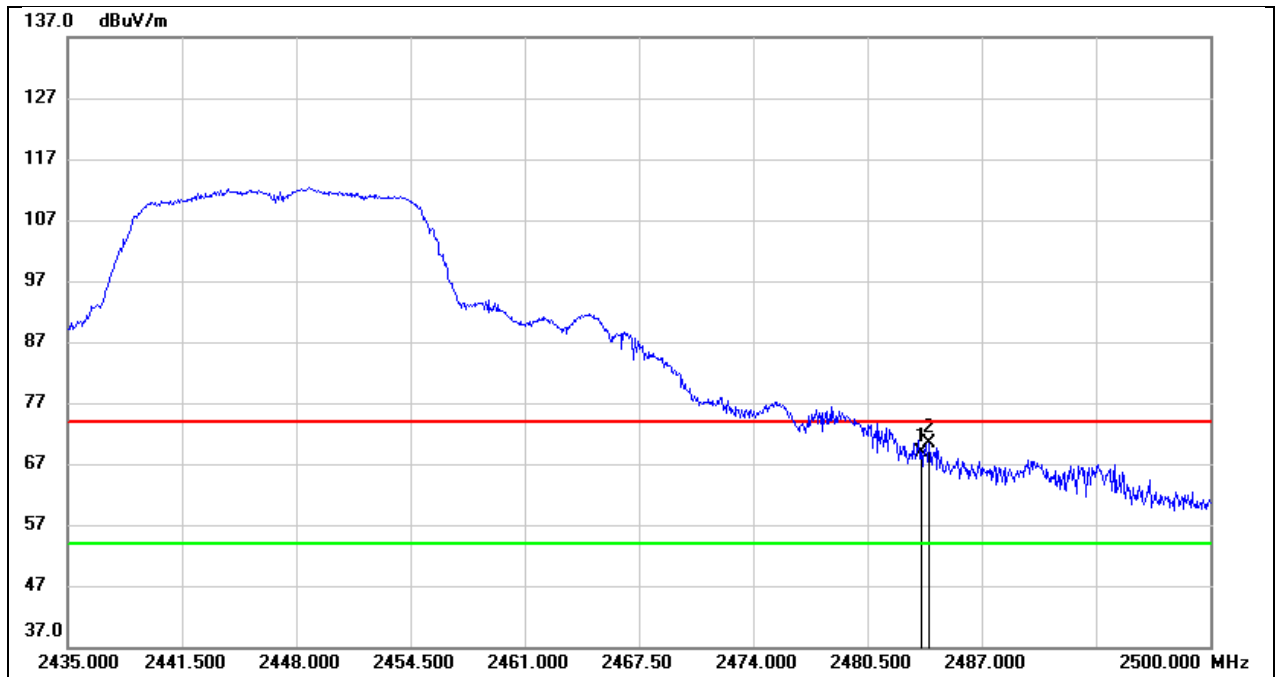
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2388.840	39.52	31.73	71.25	74.00	-2.75	peak
2	2390.000	39.20	31.73	70.93	74.00	-3.07	peak

Test Mode:	802.11g AV	Frequency(MHz):	2417
Polarity:	Horizontal	Test Voltage:	DC 3.65V



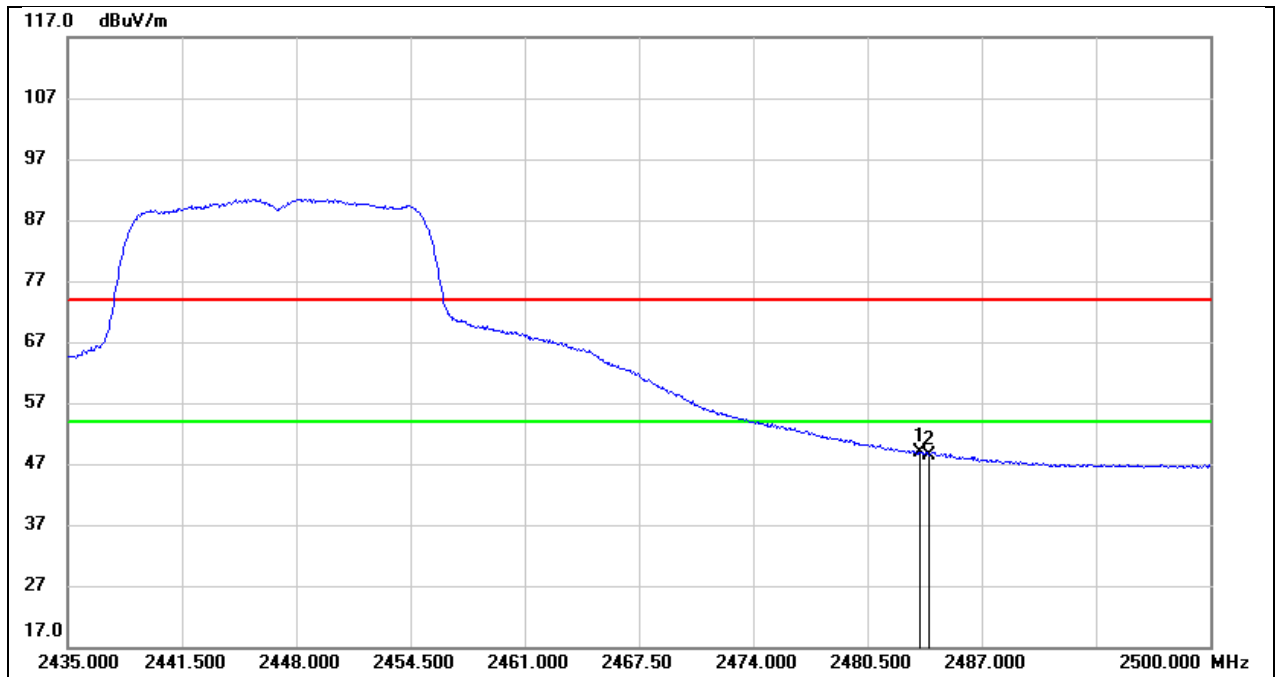
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2388.840	19.84	31.73	51.57	54.00	-2.43	AVG
2	2390.000	20.43	31.73	52.16	54.00	-1.84	AVG

Test Mode:	802.11g PK	Frequency(MHz):	2447
Polarity:	Horizontal	Test Voltage:	DC 3.65V



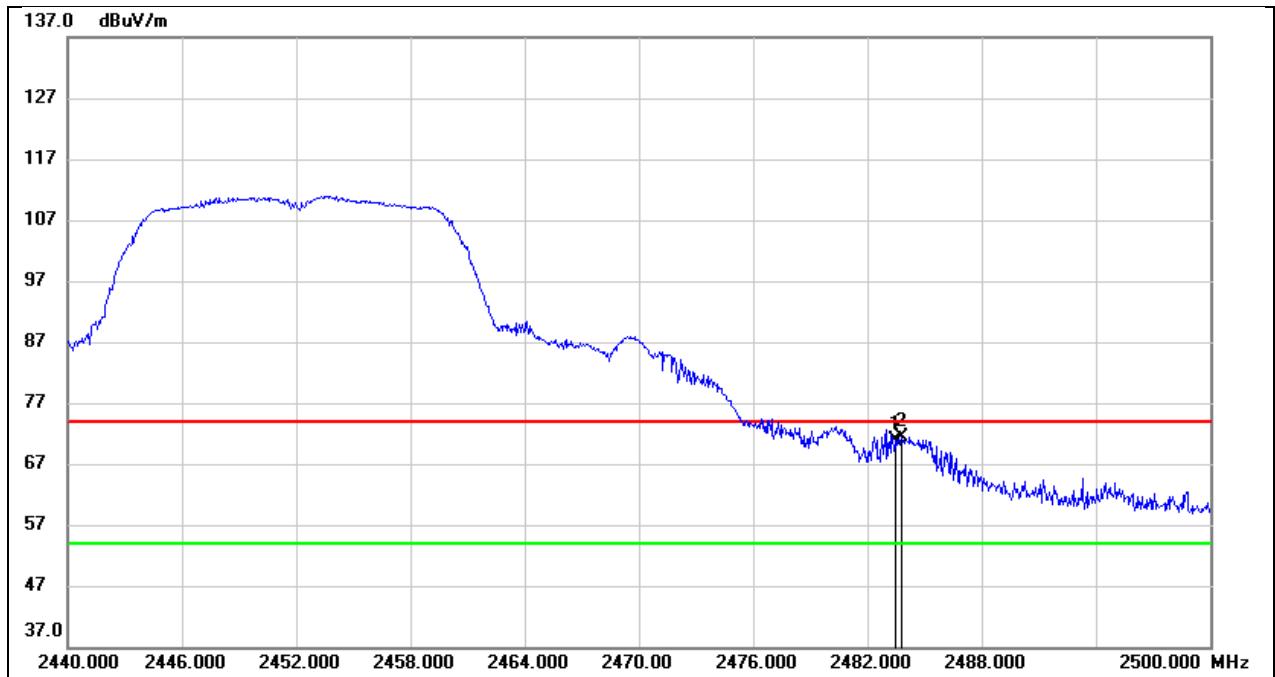
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	36.83	32.00	68.83	74.00	-5.17	peak
2	2484.010	38.29	32.00	70.29	74.00	-3.71	peak

Test Mode:	802.11g AV	Frequency(MHz):	2447
Polarity:	Horizontal	Test Voltage:	DC 3.65V



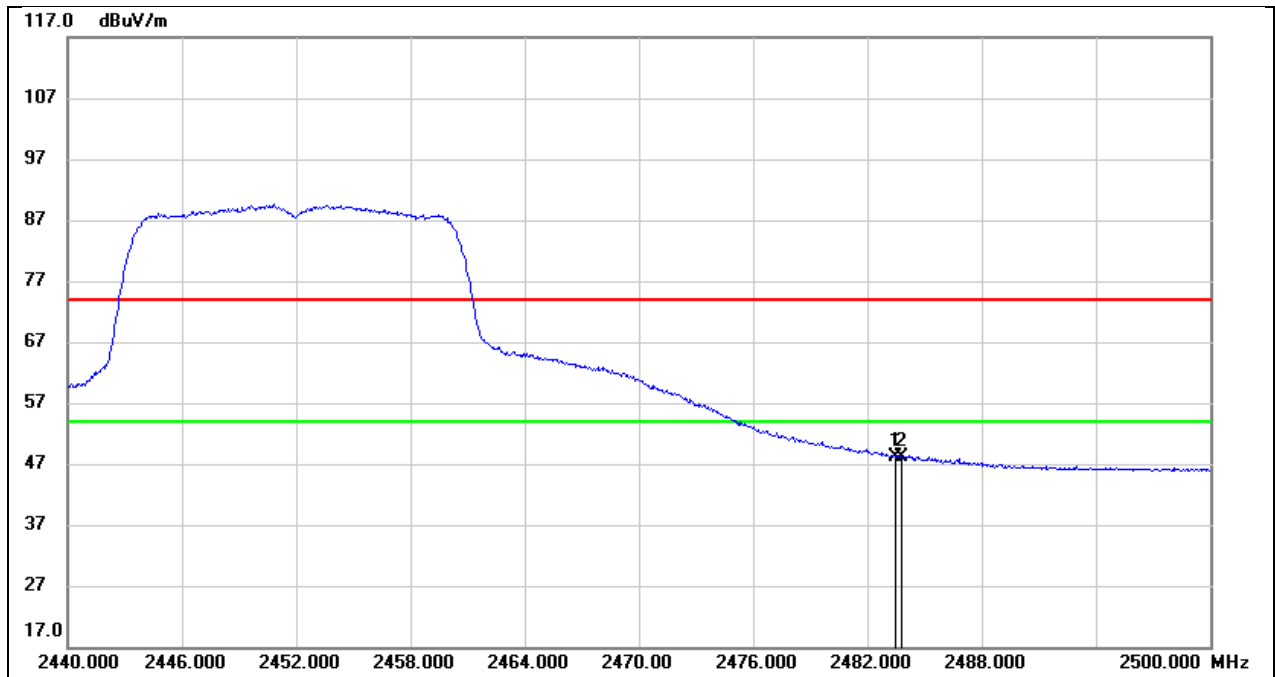
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	16.88	32.00	48.88	54.00	-5.12	AVG
2	2484.010	16.42	32.00	48.42	54.00	-5.58	AVG

Test Mode:	802.11g PK	Frequency(MHz):	2452
Polarity:	Horizontal	Test Voltage:	DC 3.65V



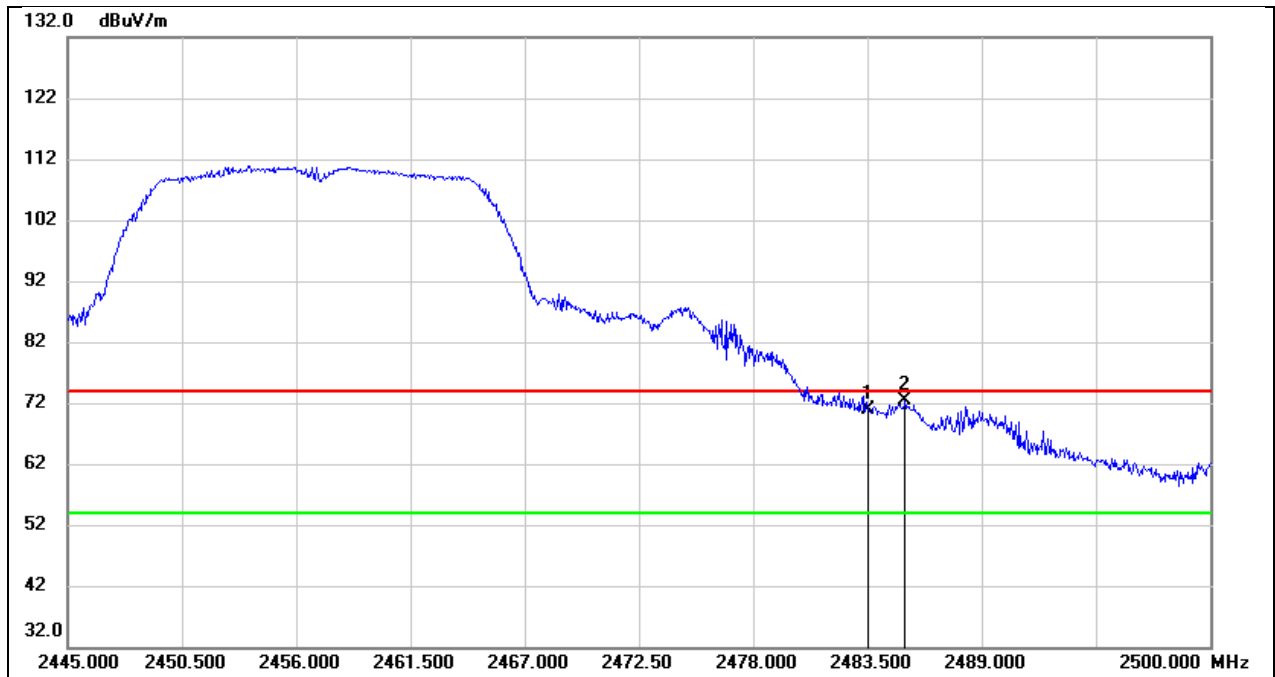
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	38.85	32.00	70.85	74.00	-3.15	peak
2	2483.800	39.37	32.00	71.37	74.00	-2.63	peak

Test Mode:	802.11g AV	Frequency(MHz):	2452
Polarity:	Horizontal	Test Voltage:	DC 3.65V



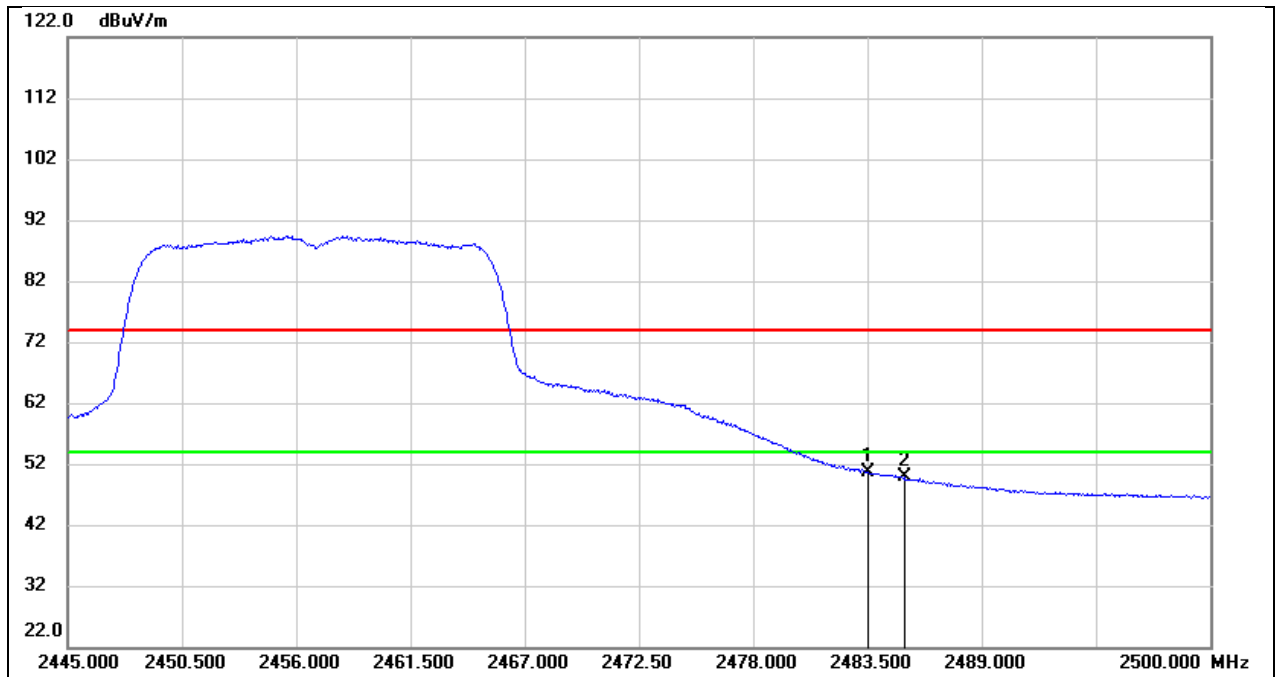
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	16.13	32.00	48.13	54.00	-5.87	AVG
2	2483.800	16.15	32.00	48.15	54.00	-5.85	AVG

Test Mode:	802.11g PK	Frequency(MHz):	2457
Polarity:	Horizontal	Test Voltage:	DC 3.65V



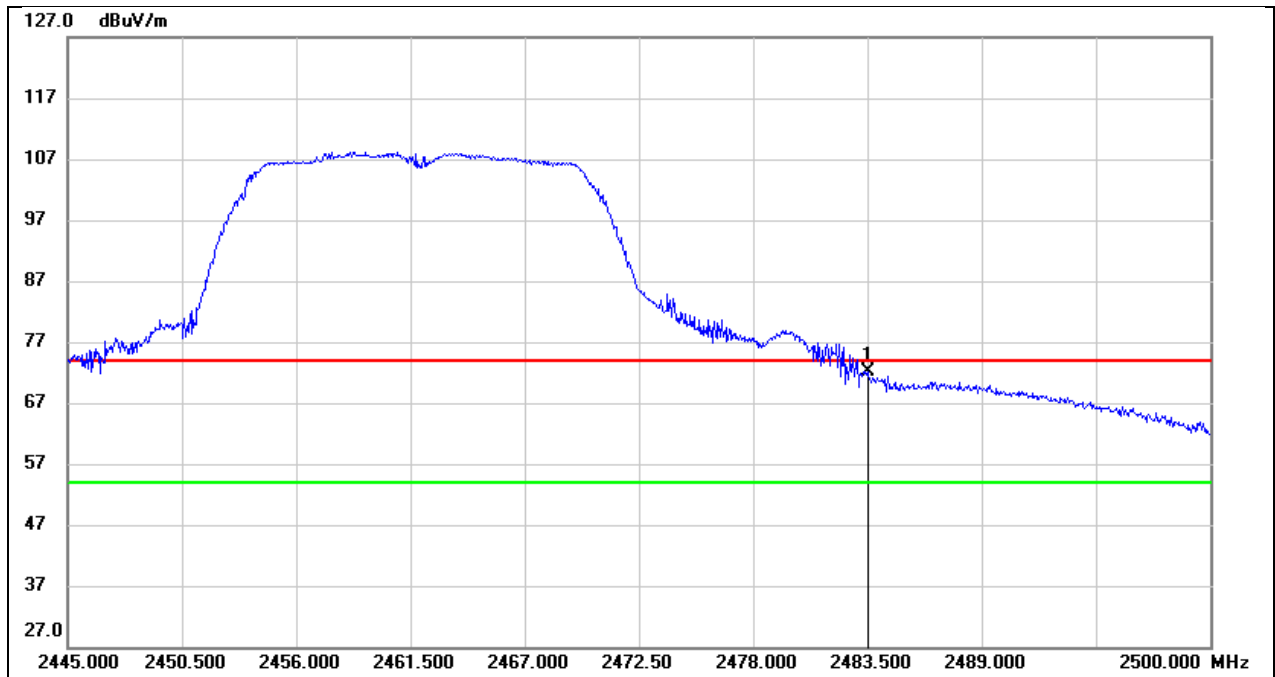
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	38.76	32.00	70.76	74.00	-3.24	peak
2	2485.315	40.32	32.00	72.32	74.00	-1.68	peak

Test Mode:	802.11g AV	Frequency(MHz):	2457
Polarity:	Horizontal	Test Voltage:	DC 3.65V



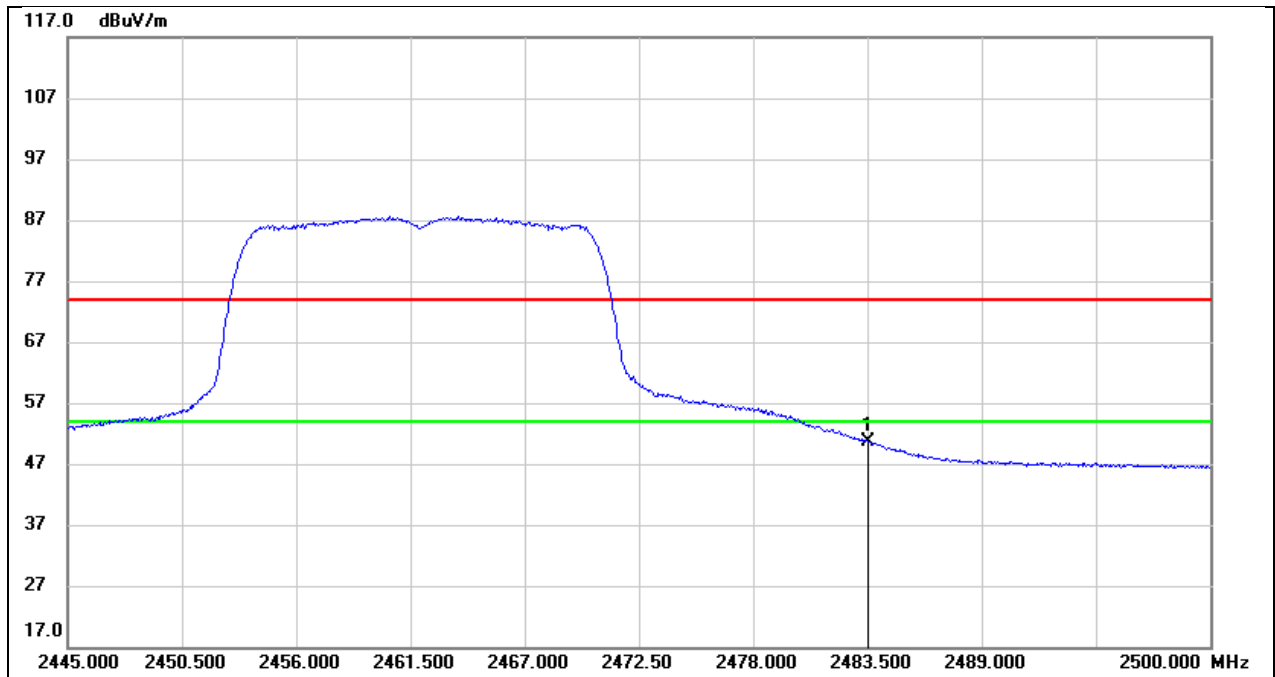
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	18.57	32.00	50.57	54.00	-3.43	AVG
2	2485.315	17.88	32.00	49.88	54.00	-4.12	AVG

Test Mode:	802.11g PK	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 3.65V



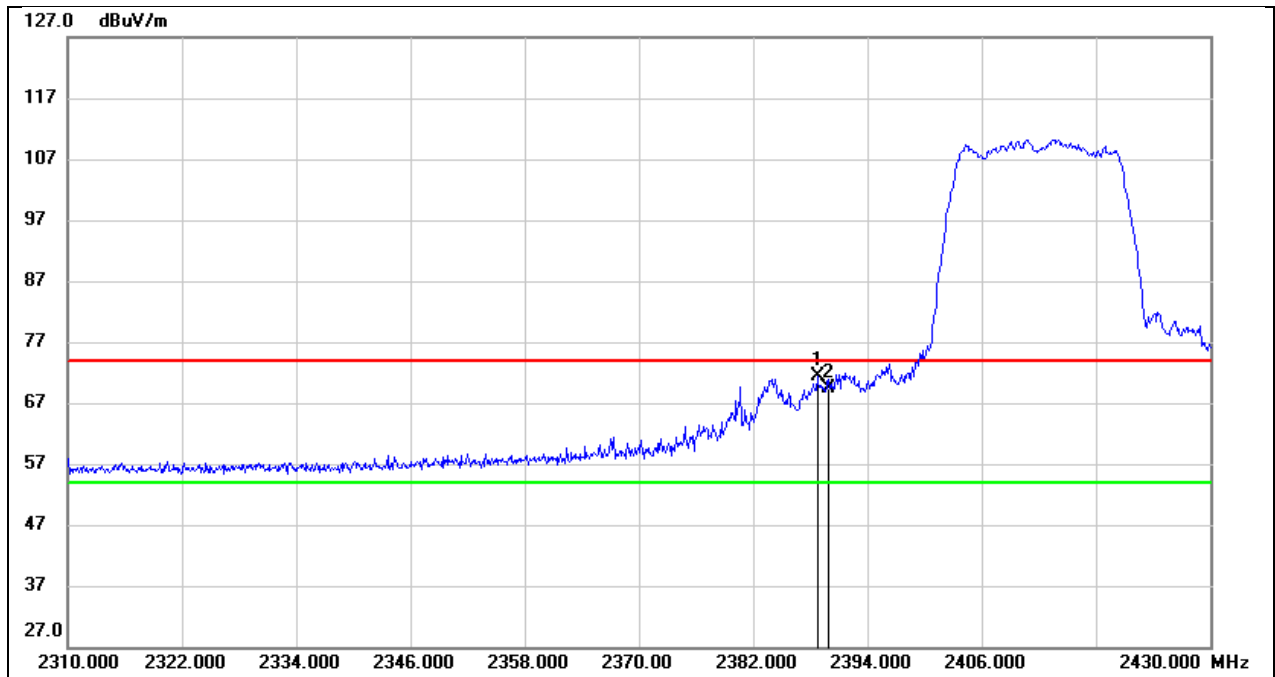
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	40.11	32.00	72.11	74.00	-1.89	peak

Test Mode:	802.11g AV	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 3.65V



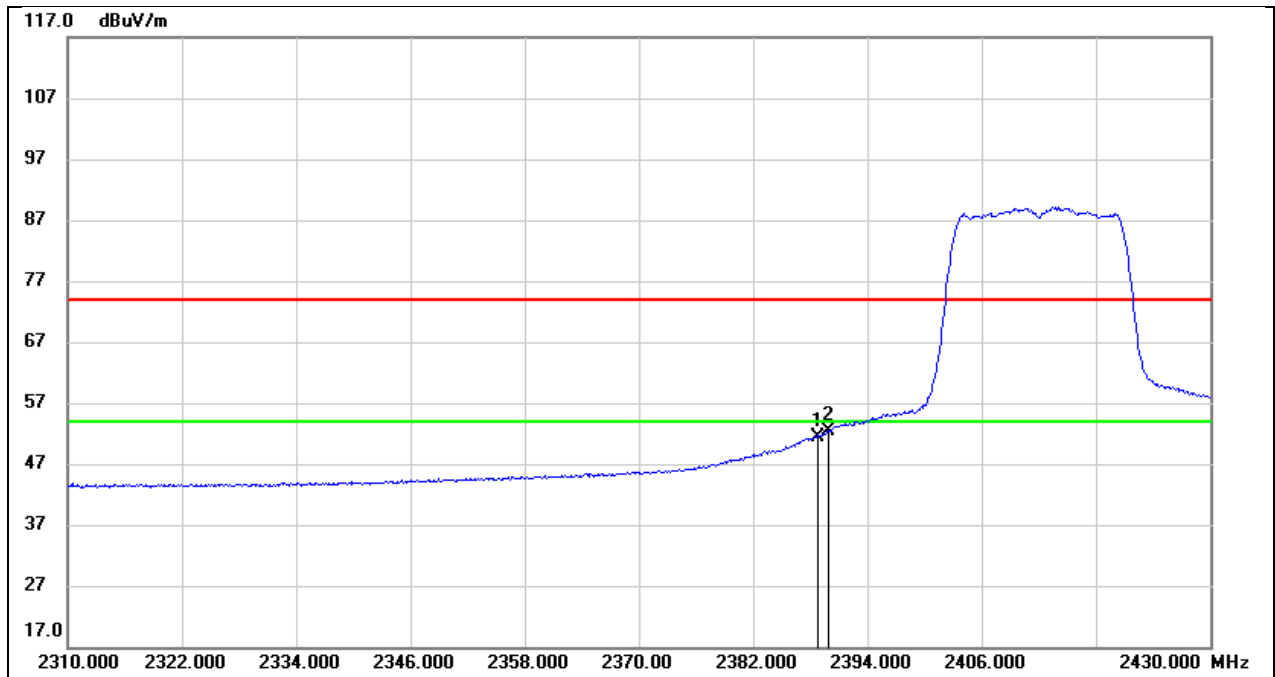
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	18.67	32.00	50.67	54.00	-3.33	AVG

Test Mode:	802.11n HT20 PK	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 3.65V



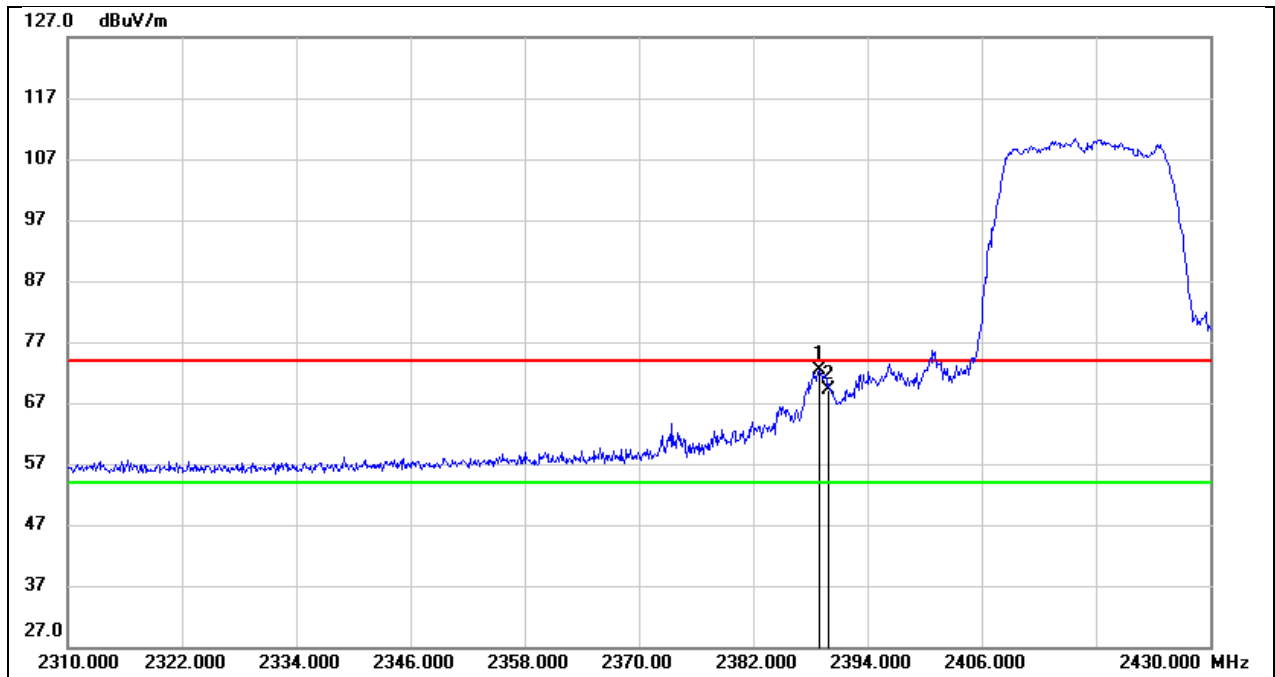
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2388.720	39.74	31.73	71.47	74.00	-2.53	peak
2	2390.000	37.66	31.73	69.39	74.00	-4.61	peak

Test Mode:	802.11n HT20 AV	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 3.65V



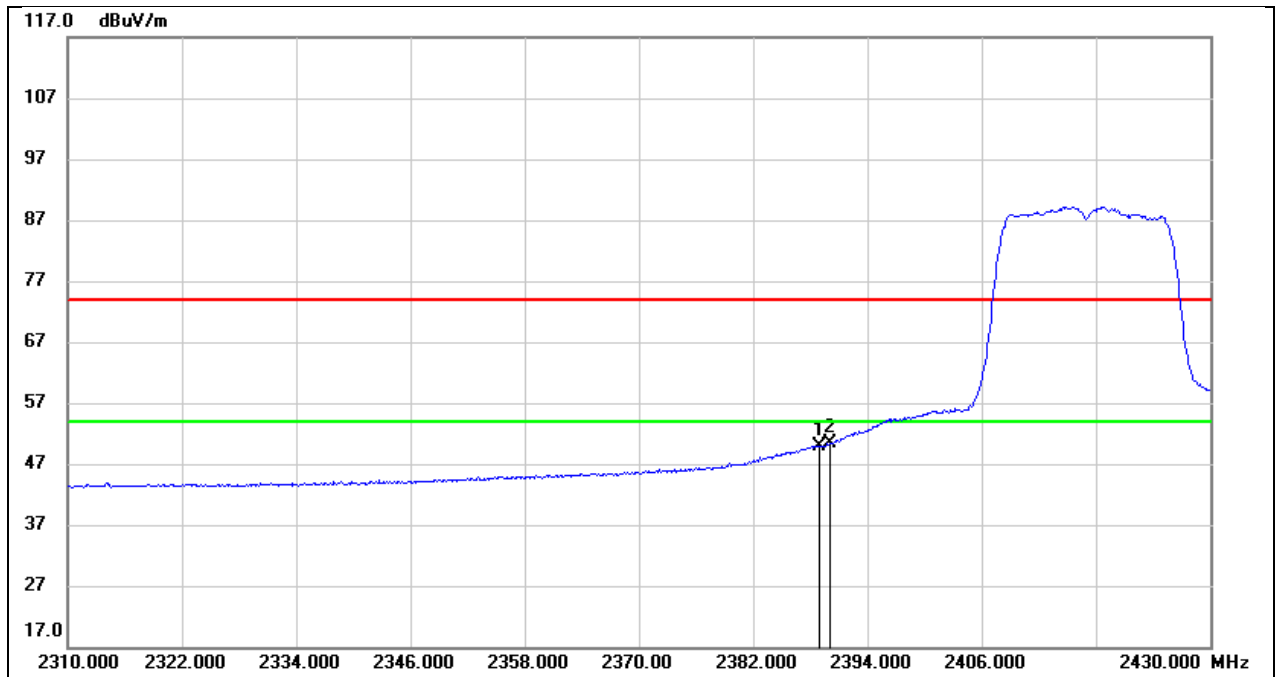
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2388.720	19.77	31.73	51.50	54.00	-2.50	AVG
2	2390.000	20.62	31.73	52.35	54.00	-1.65	AVG

Test Mode:	802.11n HT20 PK	Frequency(MHz):	2417
Polarity:	Horizontal	Test Voltage:	DC 3.65V



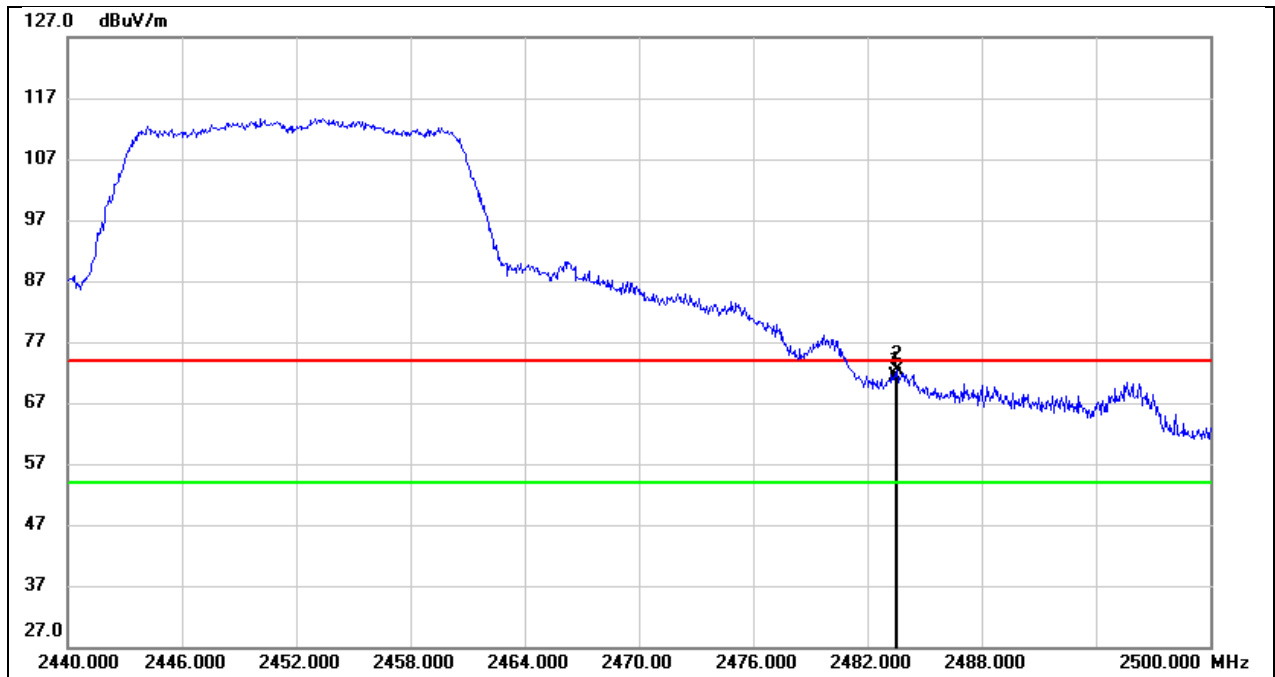
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2388.960	40.69	31.73	72.42	74.00	-1.58	peak
2	2390.000	37.41	31.73	69.14	74.00	-4.86	peak

Test Mode:	802.11n HT20 AV	Frequency(MHz):	2417
Polarity:	Horizontal	Test Voltage:	DC 3.65V



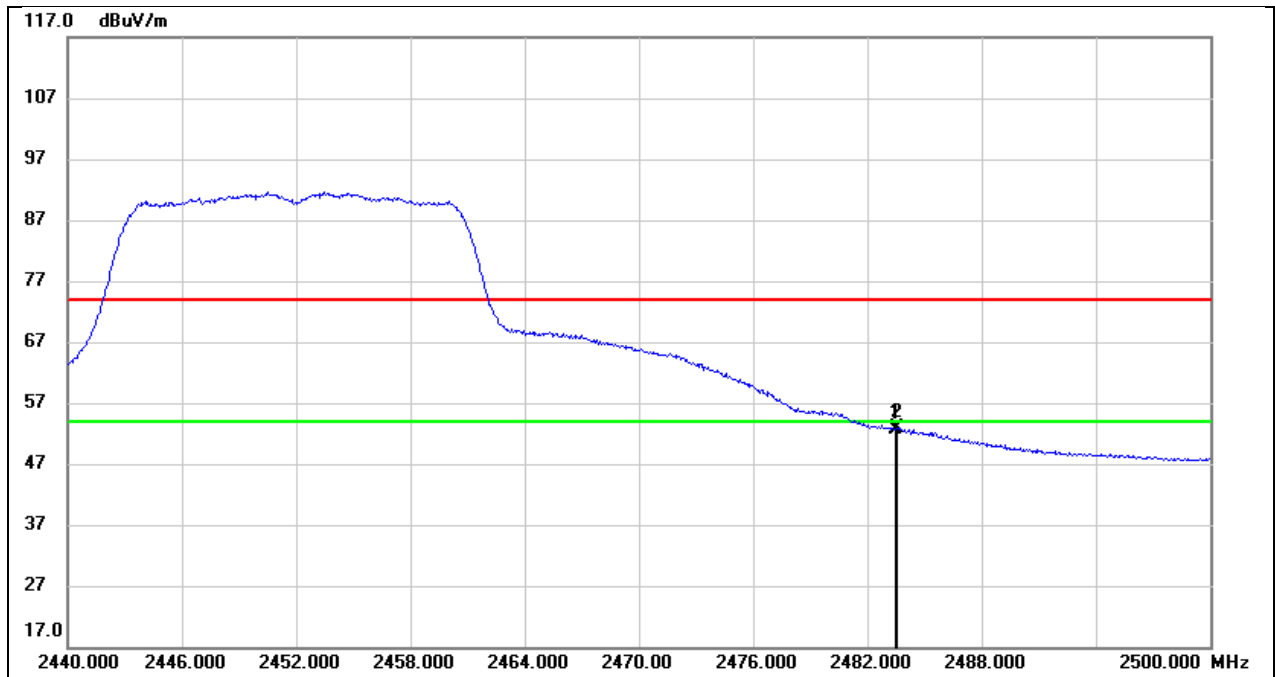
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2388.960	18.24	31.73	49.97	54.00	-4.03	AVG
2	2390.000	18.57	31.73	50.30	54.00	-3.70	AVG

Test Mode:	802.11n HT20 PK	Frequency(MHz):	2452
Polarity:	Horizontal	Test Voltage:	DC 3.65V



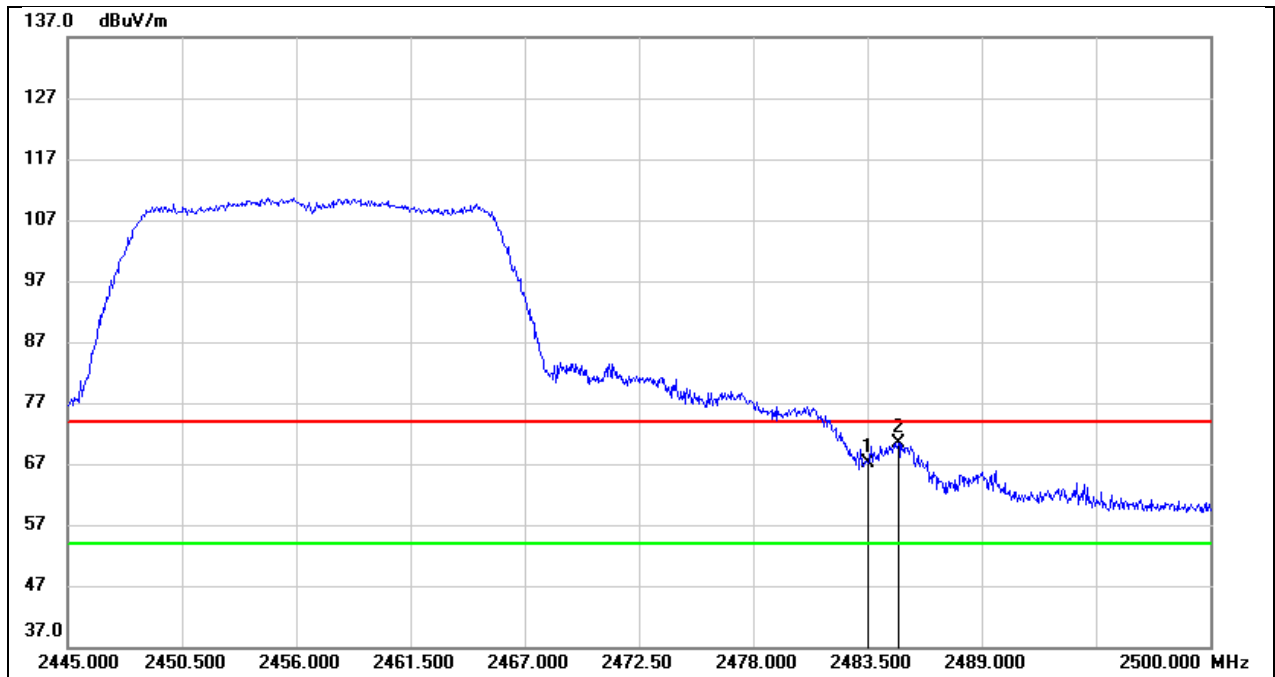
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	39.35	32.00	71.35	74.00	-2.65	peak
2	2483.560	40.43	32.00	72.43	74.00	-1.57	peak

Test Mode:	802.11n HT20 AV	Frequency(MHz):	2452
Polarity:	Horizontal	Test Voltage:	DC 3.65V



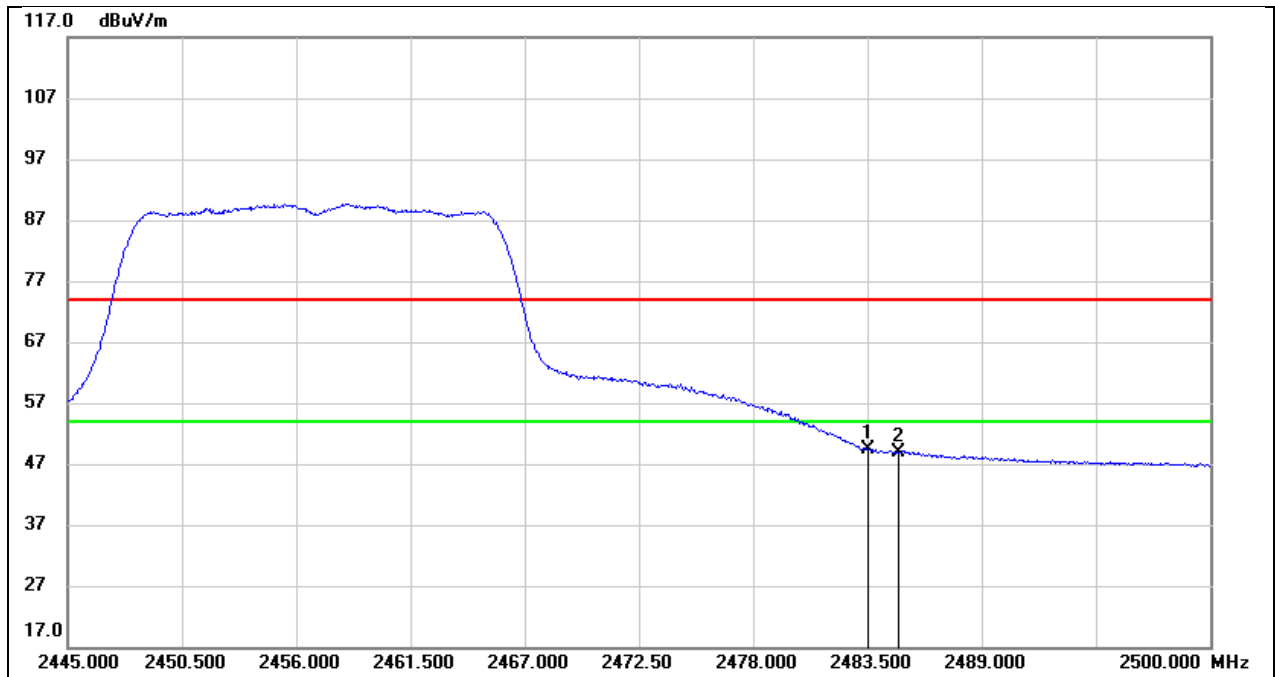
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	20.72	32.00	52.72	54.00	-1.28	AVG
2	2483.560	20.79	32.00	52.79	54.00	-1.21	AVG

Test Mode:	802.11n HT20 PK	Frequency(MHz):	2457
Polarity:	Horizontal	Test Voltage:	DC 3.65V



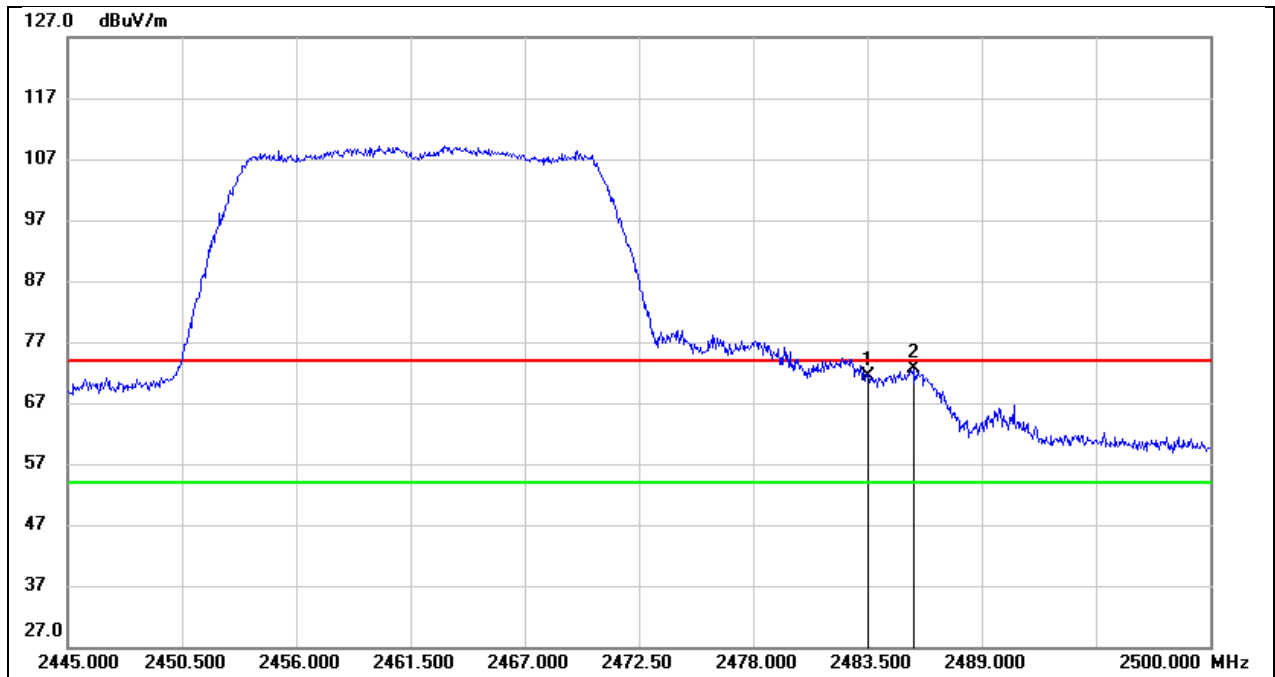
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	35.20	32.00	67.20	74.00	-6.80	peak
2	2484.985	38.50	32.00	70.50	74.00	-3.50	peak

Test Mode:	802.11n HT20 AV	Frequency(MHz):	2457
Polarity:	Horizontal	Test Voltage:	DC 3.65V



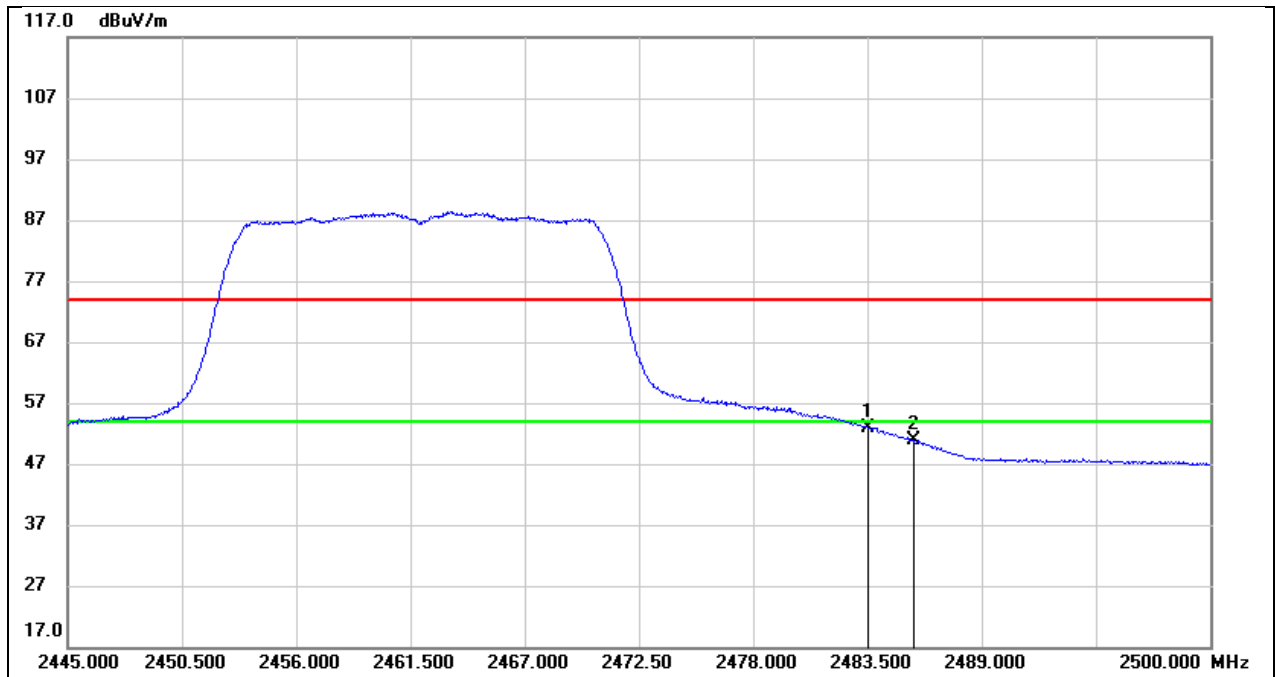
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	17.49	32.00	49.49	54.00	-4.51	AVG
2	2484.985	16.82	32.00	48.82	54.00	-5.18	AVG

Test Mode:	802.11n HT20 PK	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 3.65V



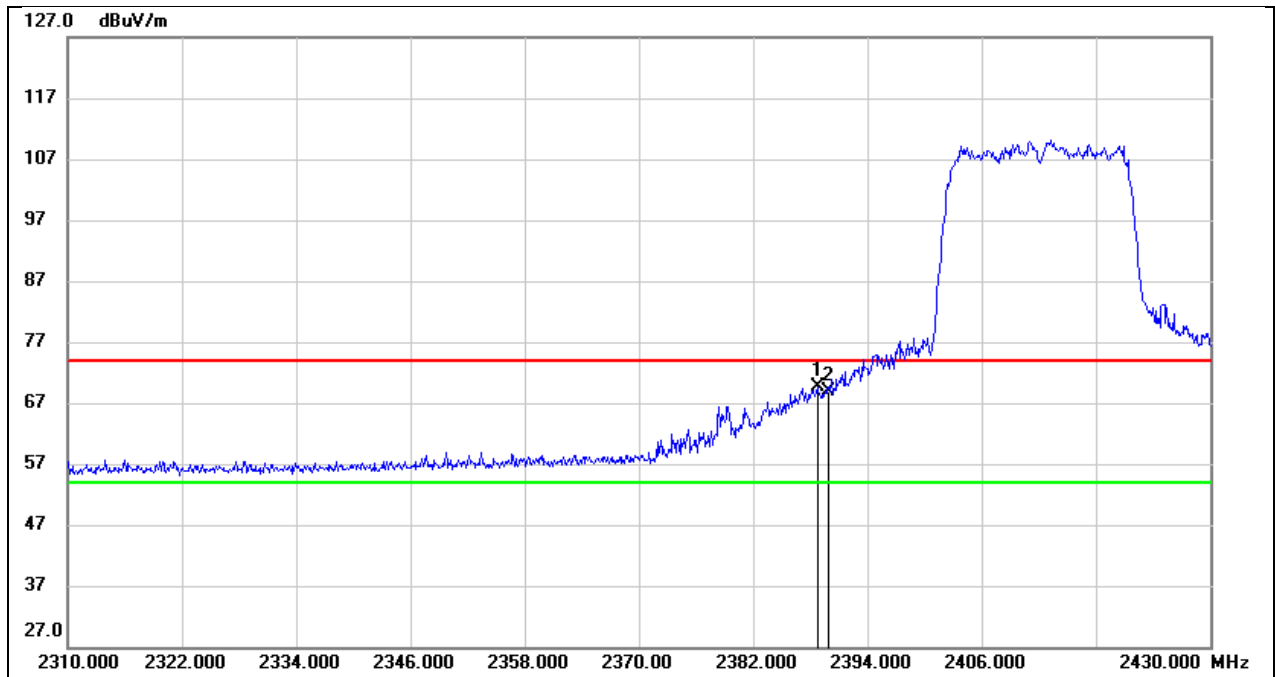
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	39.37	32.00	71.37	74.00	-2.63	peak
2	2485.700	40.59	32.00	72.59	74.00	-1.41	peak

Test Mode:	802.11n HT20 AV	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 3.65V



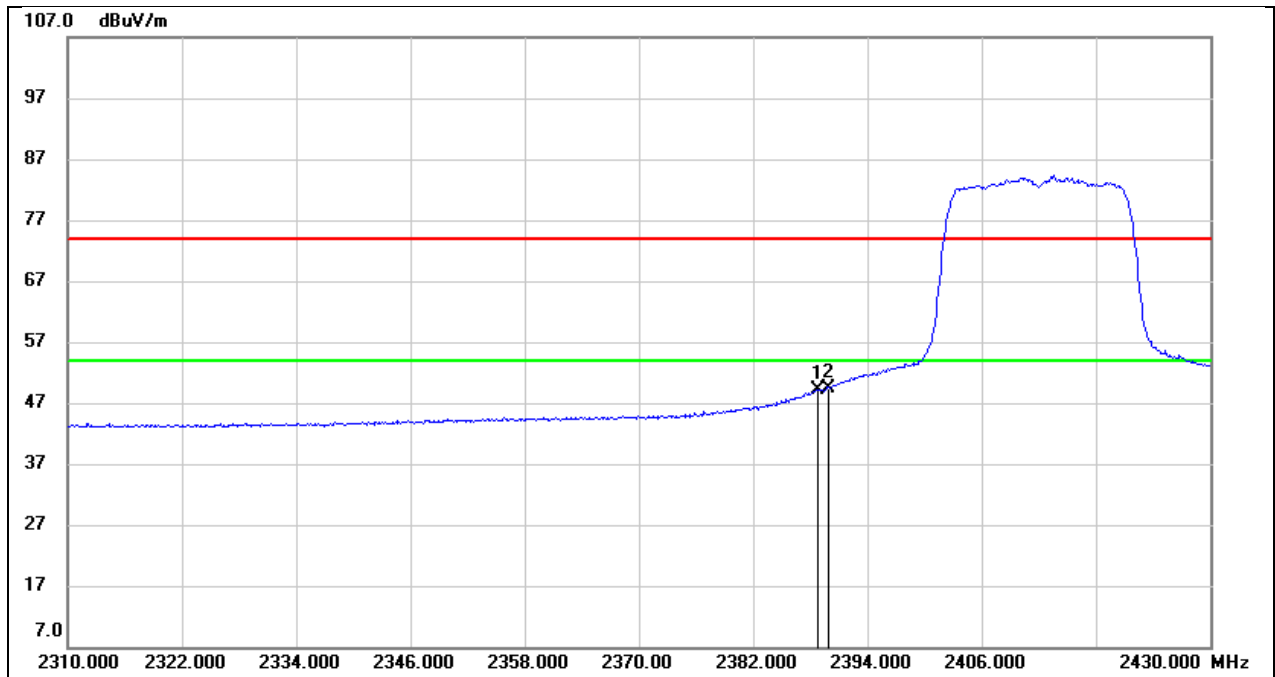
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	20.96	32.00	52.96	54.00	-1.04	AVG
2	2485.700	18.81	32.00	50.81	54.00	-3.19	AVG

Test Mode:	802.11ax HE20 PK	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 3.65V



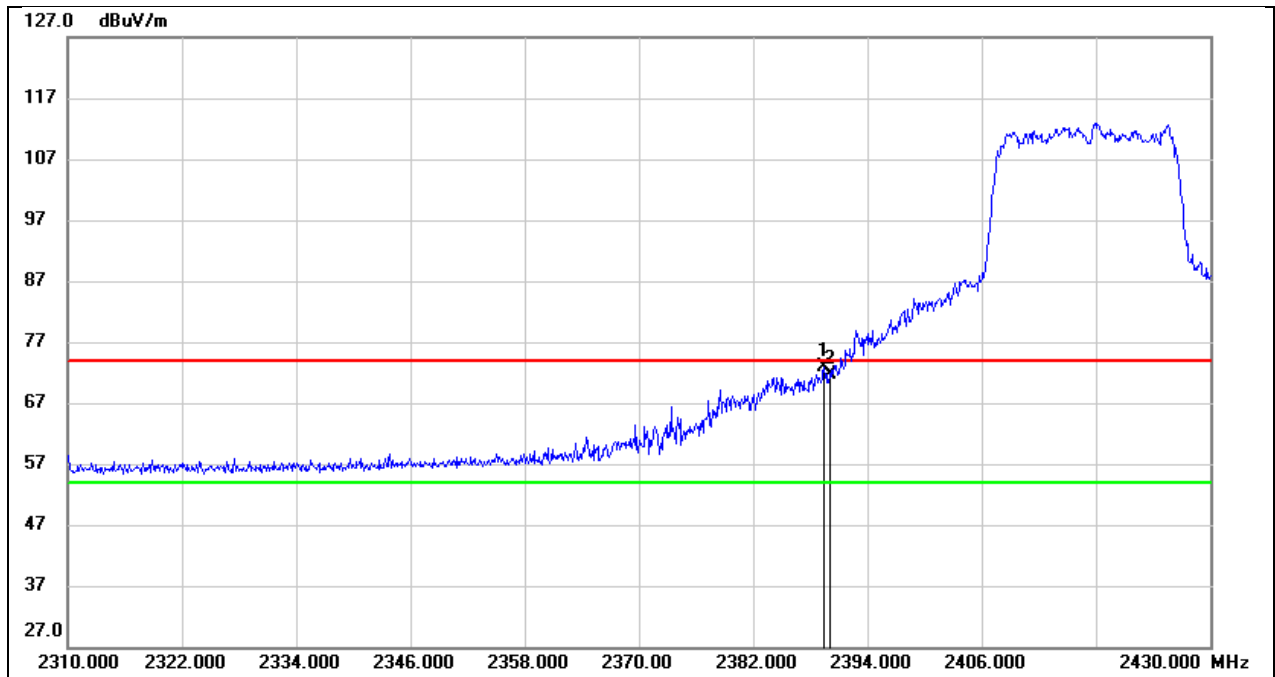
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2388.720	37.80	31.73	69.53	74.00	-4.47	peak
2	2390.000	37.21	31.73	68.94	74.00	-5.06	peak

Test Mode:	802.11ax HE20 AV	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 3.65V



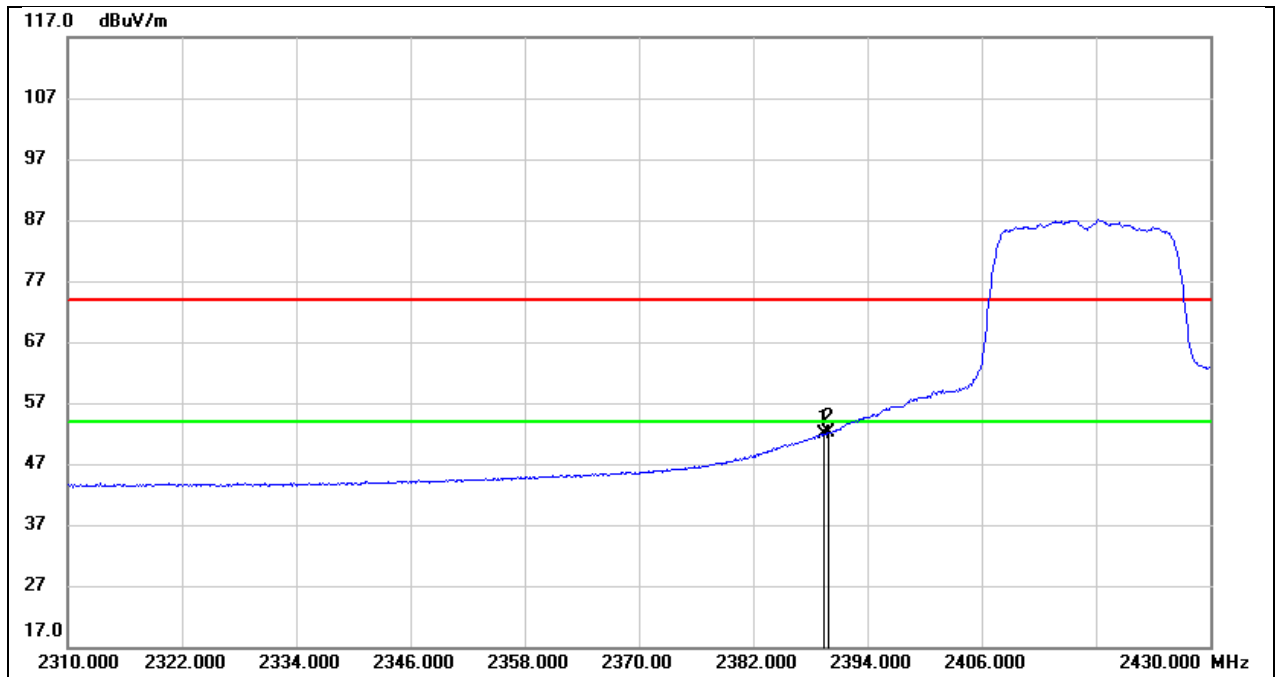
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2388.720	17.36	31.73	49.09	54.00	-4.91	AVG
2	2390.000	17.67	31.73	49.40	54.00	-4.60	AVG

Test Mode:	802.11ax HE20 PK	Frequency(MHz):	2417
Polarity:	Horizontal	Test Voltage:	DC 3.65V



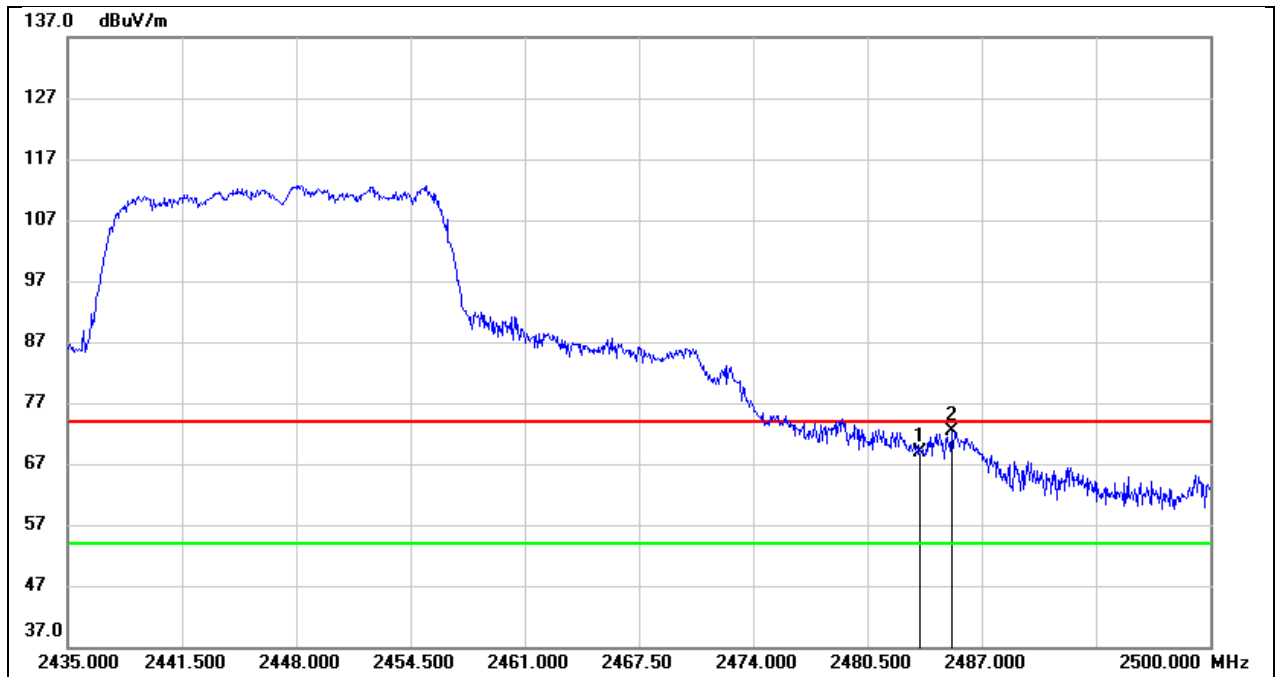
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.440	41.12	31.73	72.85	74.00	-1.15	peak
2	2390.000	39.90	31.73	71.63	74.00	-2.37	peak

Test Mode:	802.11ax HE20 AV	Frequency(MHz):	2417
Polarity:	Horizontal	Test Voltage:	DC 3.65V



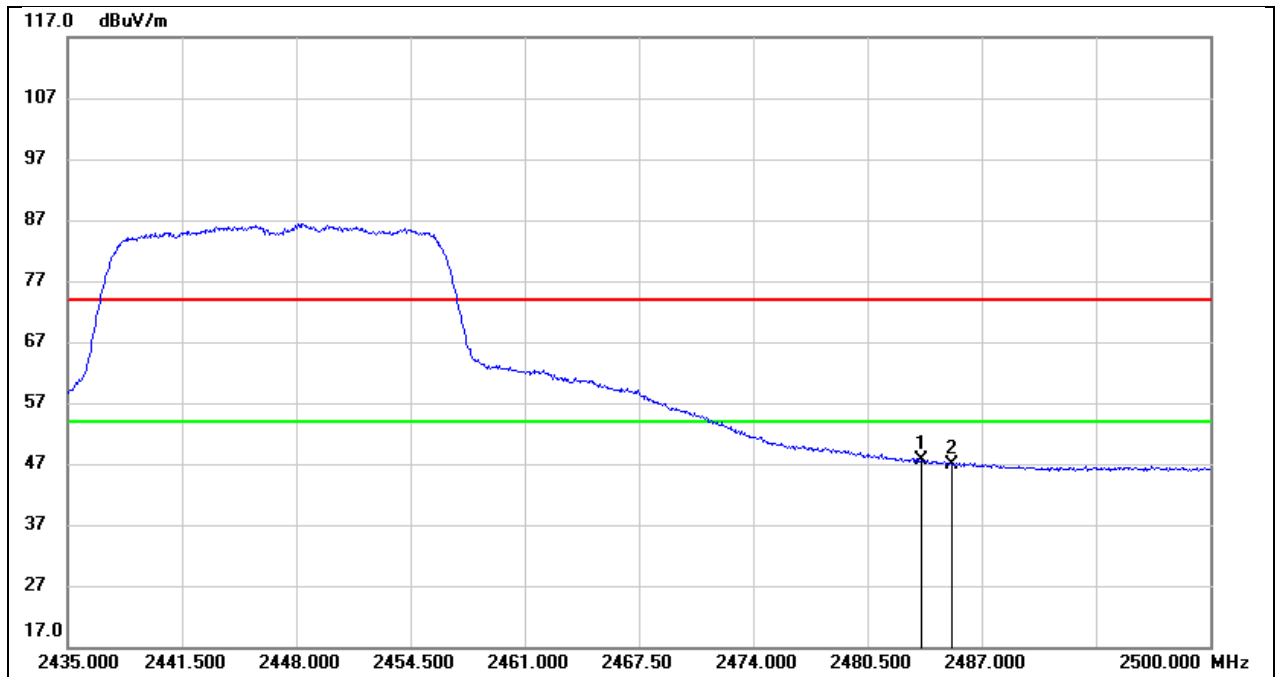
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.440	20.22	31.73	51.95	54.00	-2.05	AVG
2	2390.000	20.43	31.73	52.16	54.00	-1.84	AVG

Test Mode:	802.11ax HE20 PK	Frequency(MHz):	2447
Polarity:	Horizontal	Test Voltage:	DC 3.65V



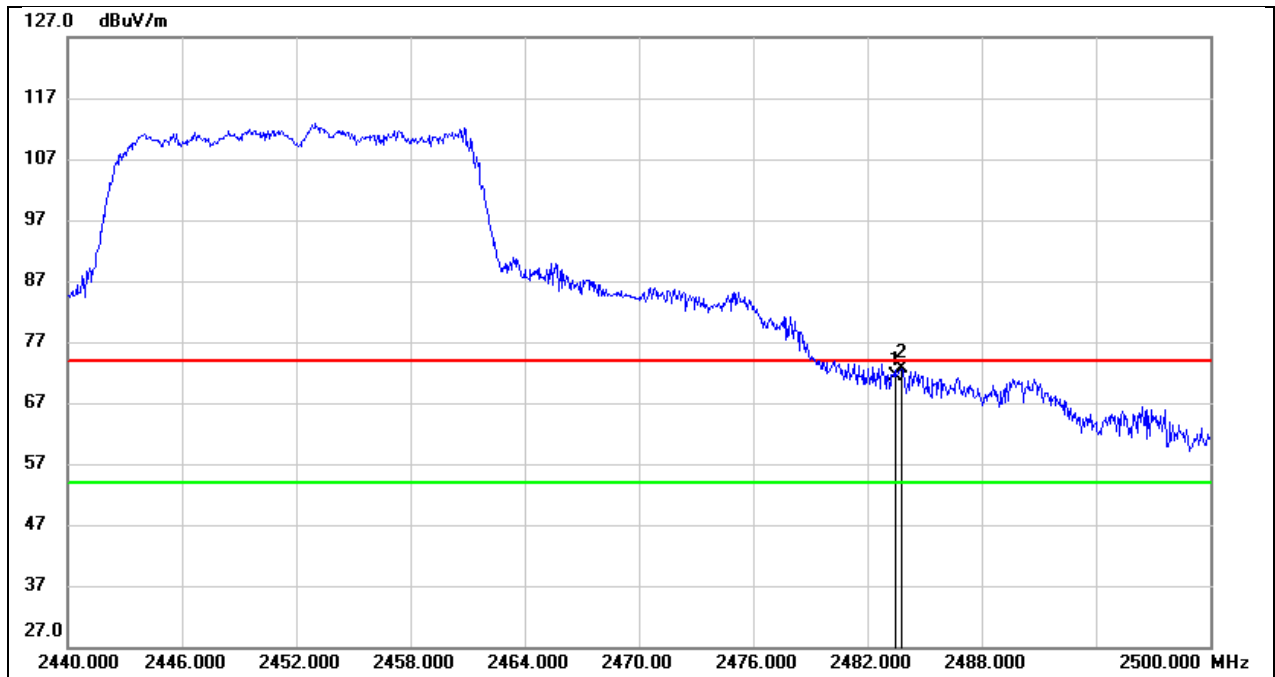
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	36.83	32.00	68.83	74.00	-5.17	peak
2	2485.310	40.32	32.00	72.32	74.00	-1.68	peak

Test Mode:	802.11ax HE20 AV	Frequency(MHz):	2447
Polarity:	Horizontal	Test Voltage:	DC 3.65V



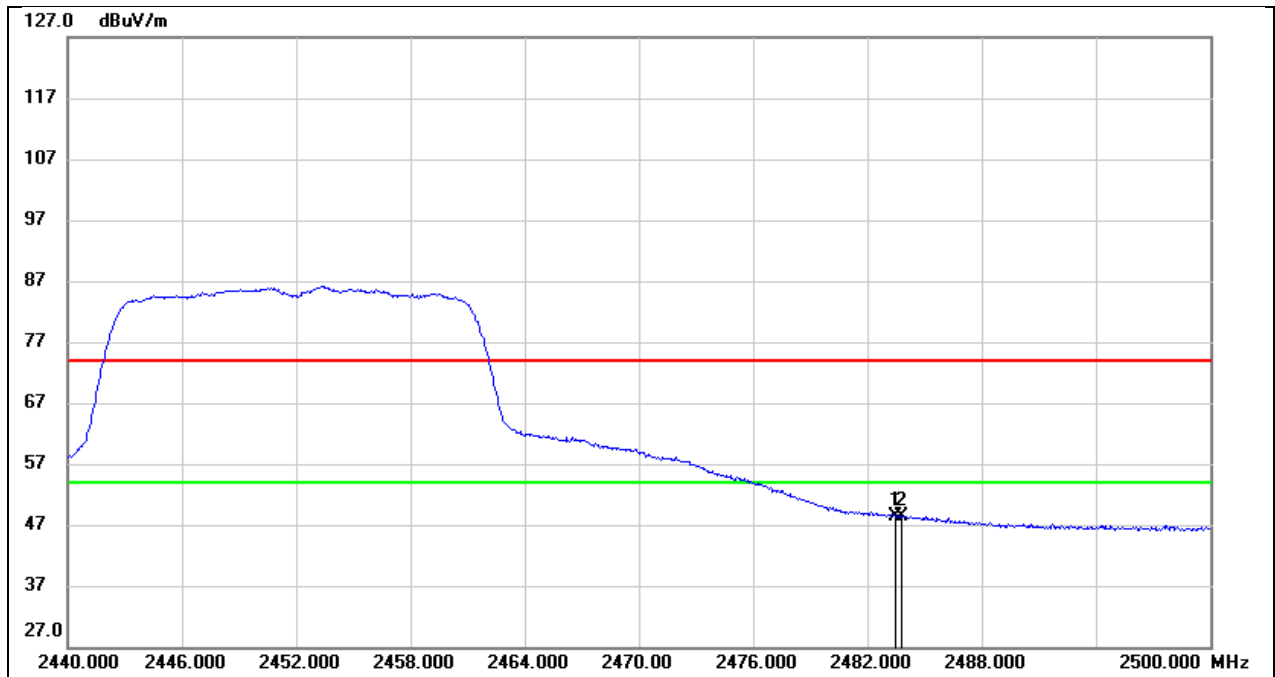
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	15.61	32.00	47.61	54.00	-6.39	AVG
2	2485.310	14.85	32.00	46.85	54.00	-7.15	AVG

Test Mode:	802.11ax HE20 PK	Frequency(MHz):	2452
Polarity:	Horizontal	Test Voltage:	DC 3.65V



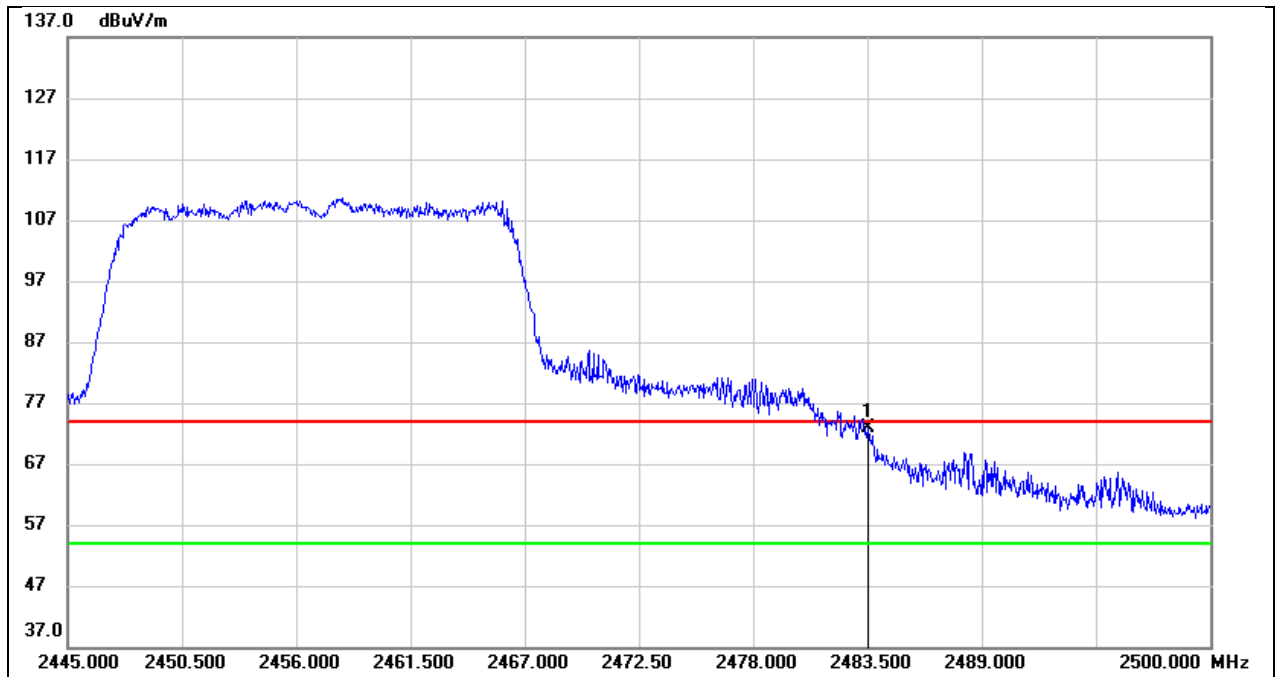
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	39.47	32.00	71.47	74.00	-2.53	peak
2	2483.800	40.63	32.00	72.63	74.00	-1.37	peak

Test Mode:	802.11ax HE20 AV	Frequency(MHz):	2452
Polarity:	Horizontal	Test Voltage:	DC 3.65V



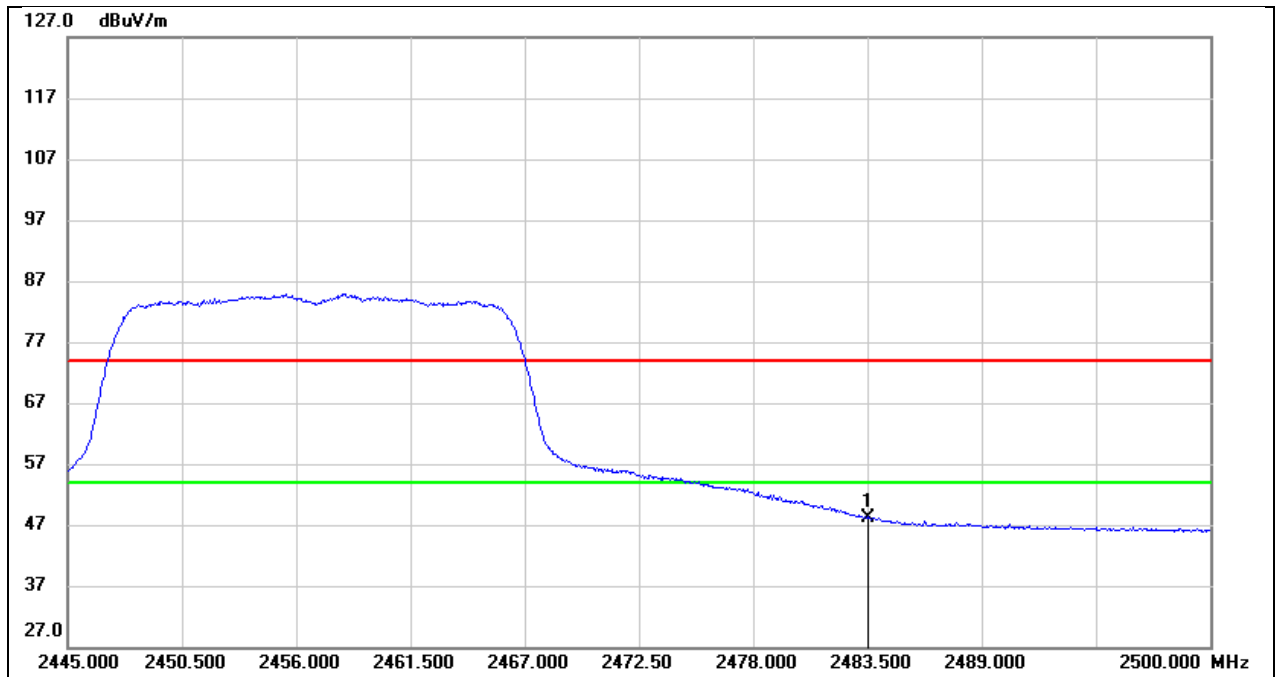
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	16.43	32.00	48.43	54.00	-5.57	AVG
2	2483.800	16.38	32.00	48.38	54.00	-5.62	AVG

Test Mode:	802.11ax HE20 PK	Frequency(MHz):	2457
Polarity:	Horizontal	Test Voltage:	DC 3.65V



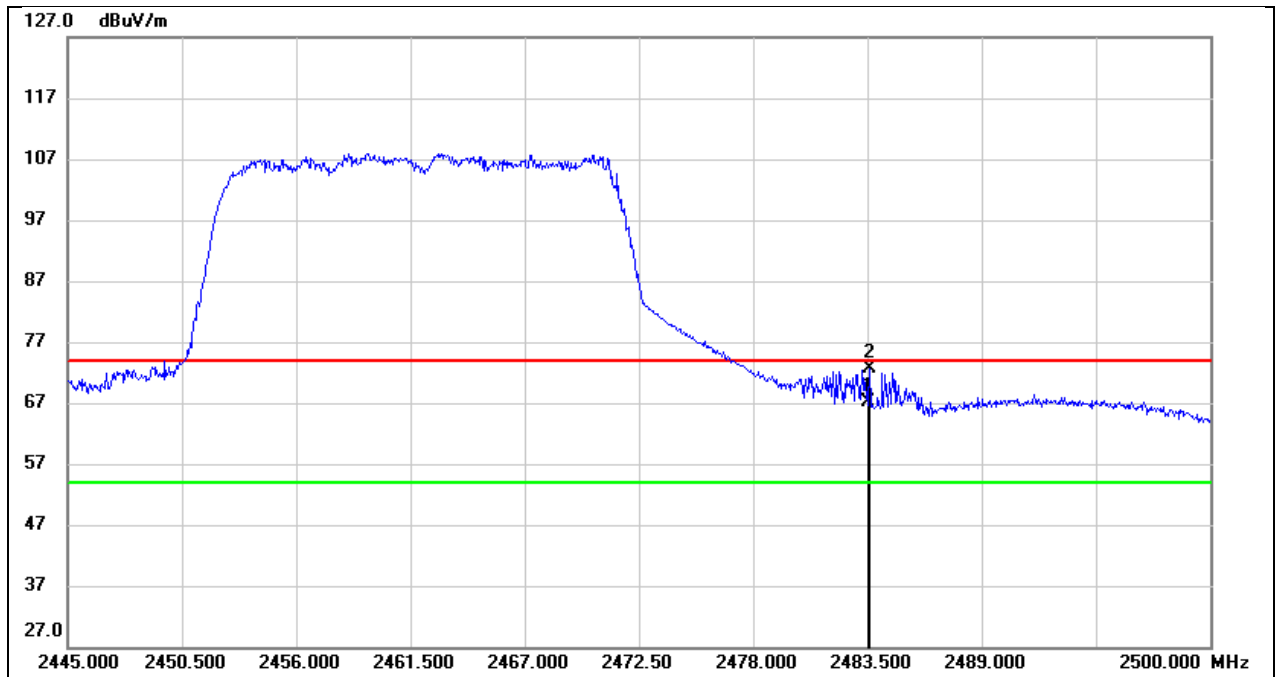
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	40.81	32.00	72.81	74.00	-1.19	peak

Test Mode:	802.11ax HE20 AV	Frequency(MHz):	2457
Polarity:	Horizontal	Test Voltage:	DC 3.65V



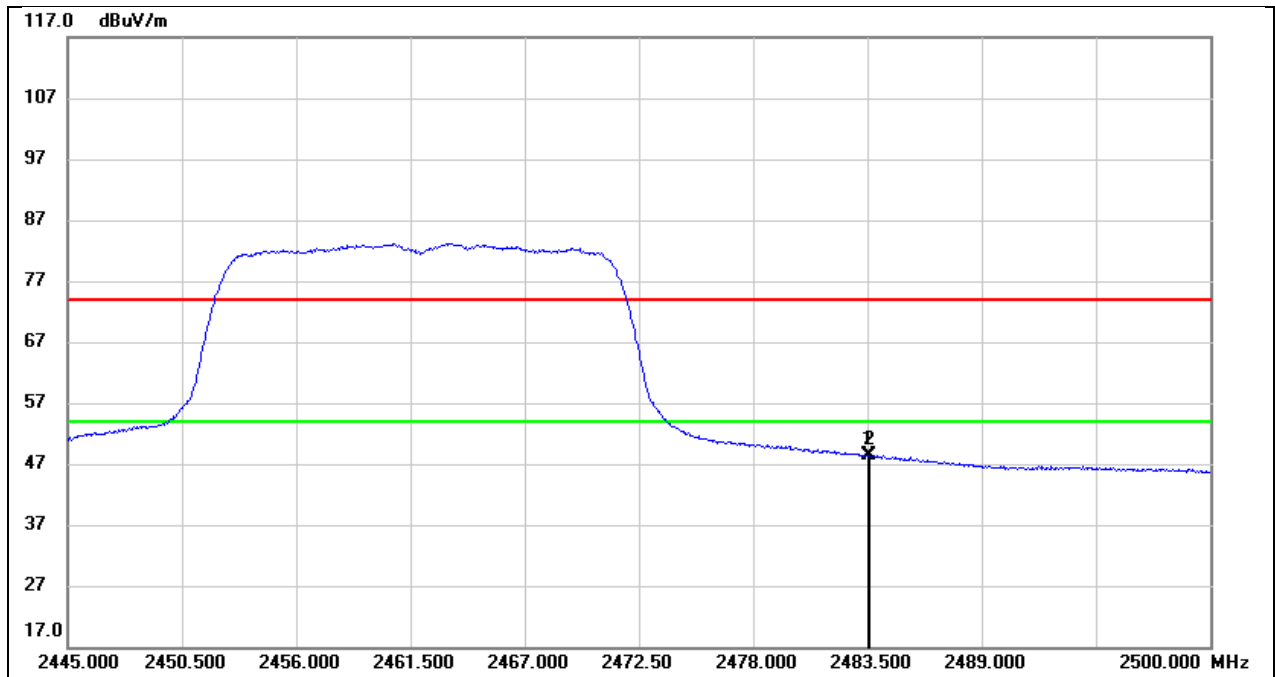
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	16.15	32.00	48.15	54.00	-5.85	AVG

Test Mode:	802.11ax HE20 PK	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 3.65V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	35.12	32.00	67.12	74.00	-6.88	peak
2	2483.610	40.52	32.00	72.52	74.00	-1.48	peak

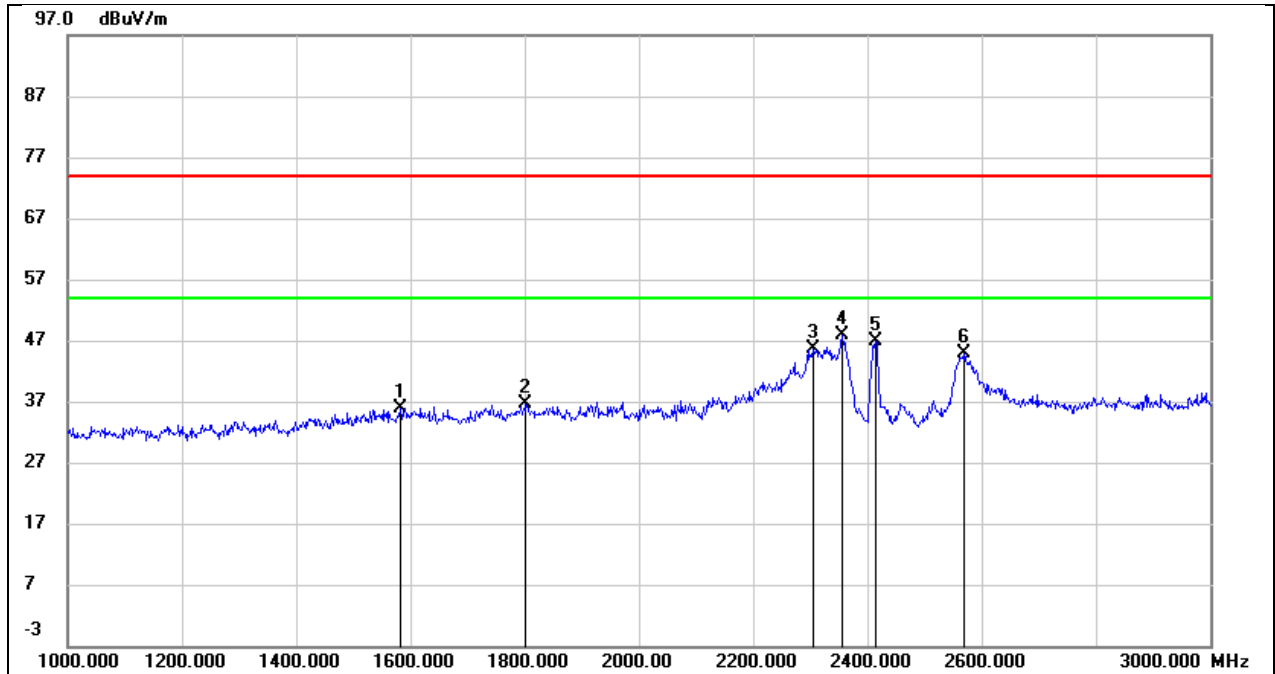
Test Mode:	802.11ax HE20 AV	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 3.65V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	16.31	32.00	48.31	54.00	-5.69	AVG
2	2483.610	16.39	32.00	48.39	54.00	-5.61	AVG

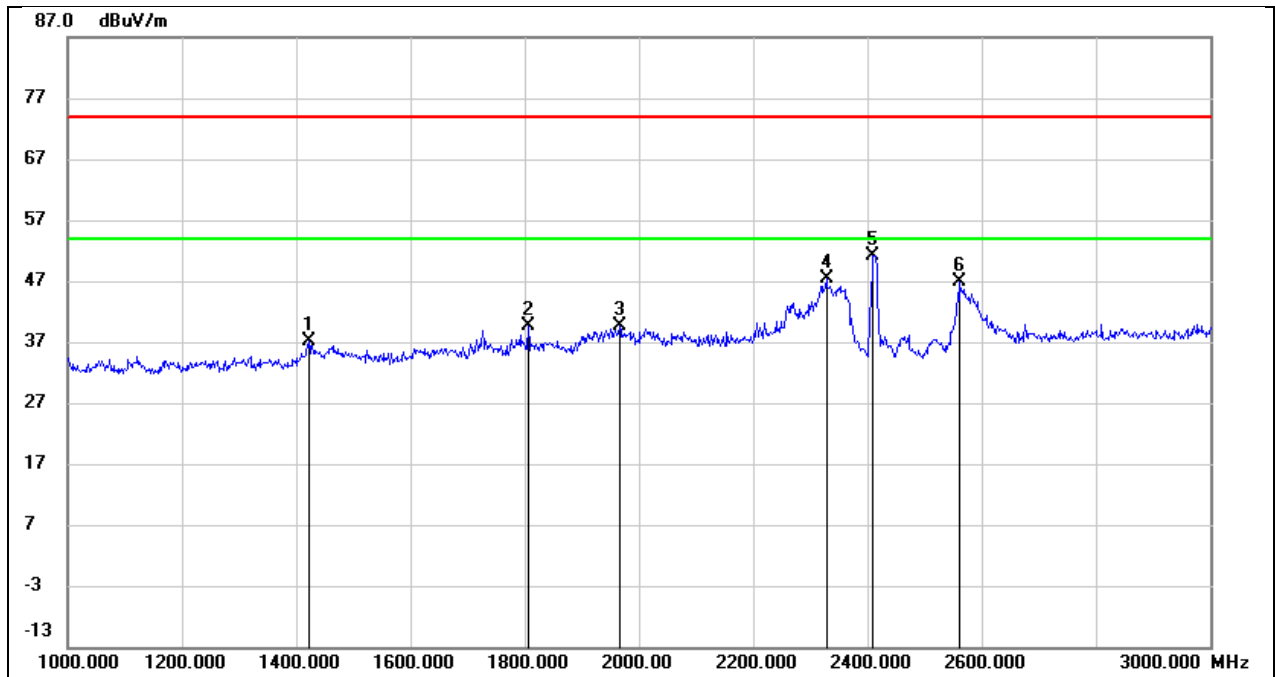
8.2. SPURIOUS EMISSIONS(1 GHZ~3 GHZ)

Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 3.65V



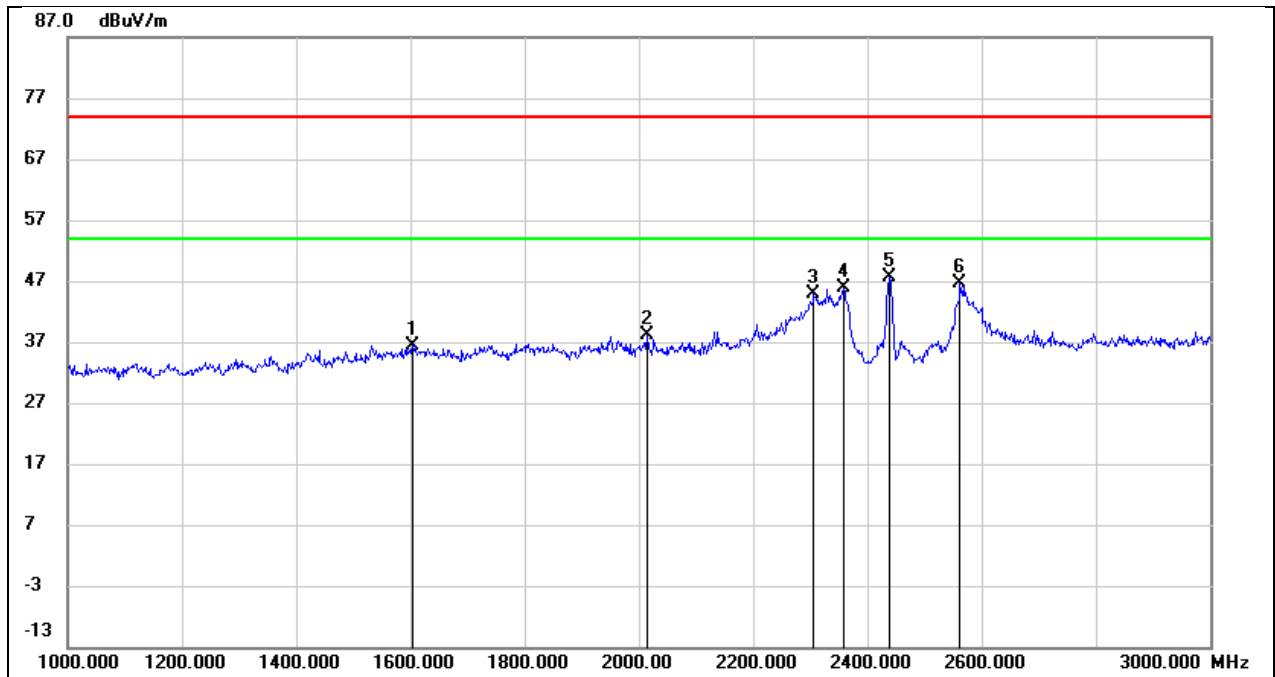
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1582.000	47.31	-11.47	35.84	74.00	-38.16	peak
2	1802.000	46.54	-9.97	36.57	74.00	-37.43	peak
3	2306.000	54.49	-8.95	45.54	74.00	-28.46	peak
4	2356.000	56.67	-8.76	47.91	74.00	-26.09	peak
5	2412.000	55.43	-8.53	46.90	/	/	Fundamental
6	2570.000	52.89	-7.90	44.99	74.00	-29.01	peak

Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 3.65V



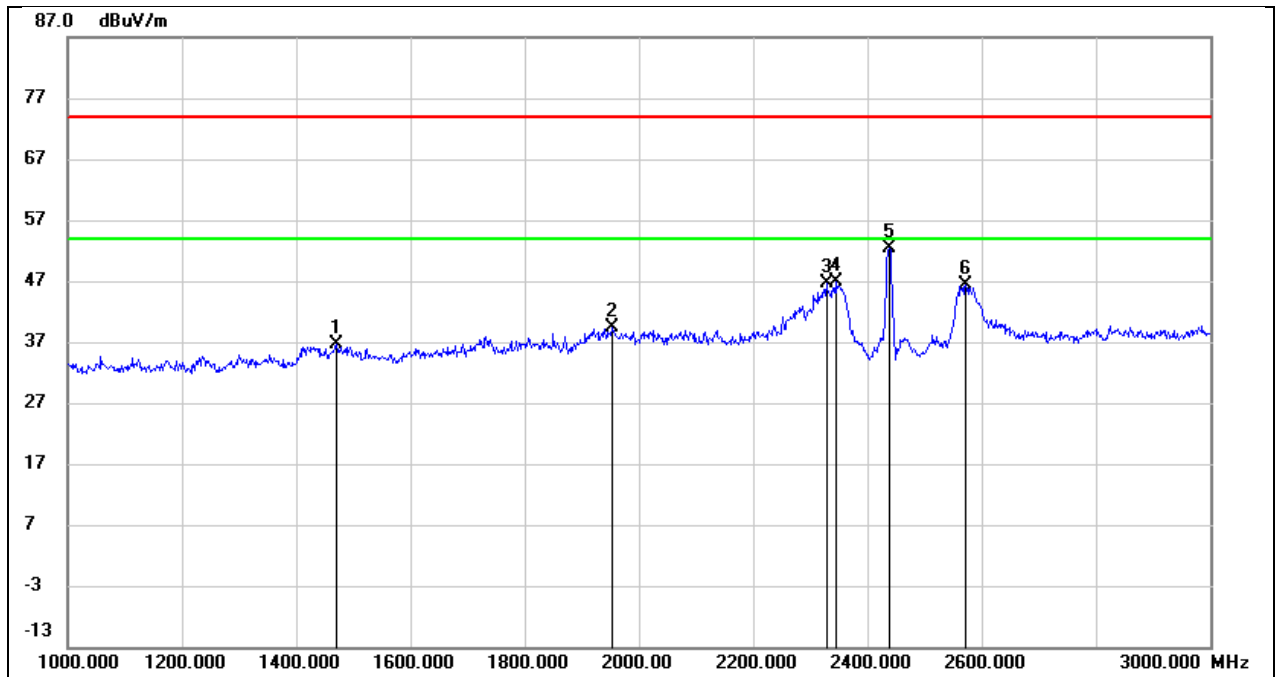
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1422.000	49.32	-12.14	37.18	74.00	-36.82	peak
2	1806.000	49.09	-9.38	39.71	74.00	-34.29	peak
3	1966.000	48.87	-9.23	39.64	74.00	-34.36	peak
4	2328.000	55.36	-8.02	47.34	74.00	-26.66	peak
5	2412.000	58.93	-7.73	51.20	/	/	Fundamental
6	2562.000	54.03	-7.07	46.96	74.00	-27.04	peak

Test Mode:	802.11b	Frequency(MHz):	2437
Polarity:	Horizontal	Test Voltage:	DC 3.65V



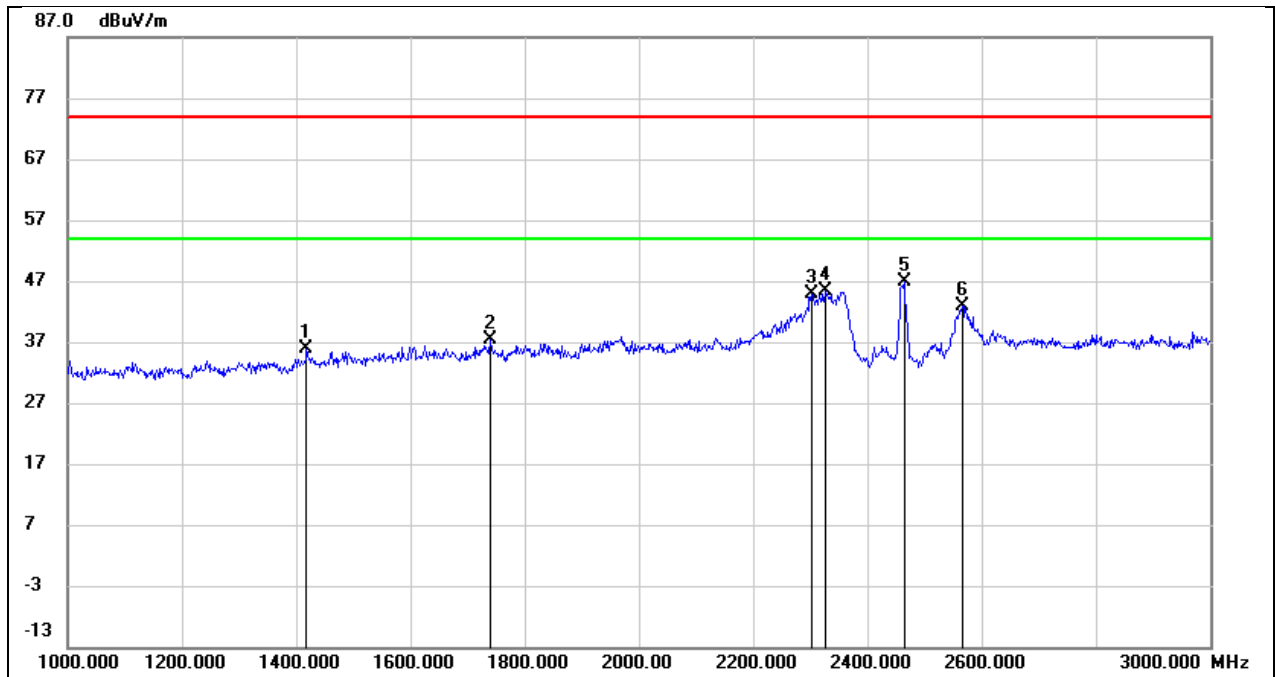
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1604.000	47.85	-11.35	36.50	74.00	-37.50	peak
2	2014.000	48.09	-10.04	38.05	74.00	-35.95	peak
3	2306.000	53.79	-8.95	44.84	74.00	-29.16	peak
4	2358.000	54.54	-8.75	45.79	74.00	-28.21	peak
5	2437.000	55.99	-8.44	47.55	/	/	Fundamental
6	2562.000	54.45	-7.93	46.52	74.00	-27.48	peak

Test Mode:	802.11b	Frequency(MHz):	2437
Polarity:	Vertical	Test Voltage:	DC 3.65V



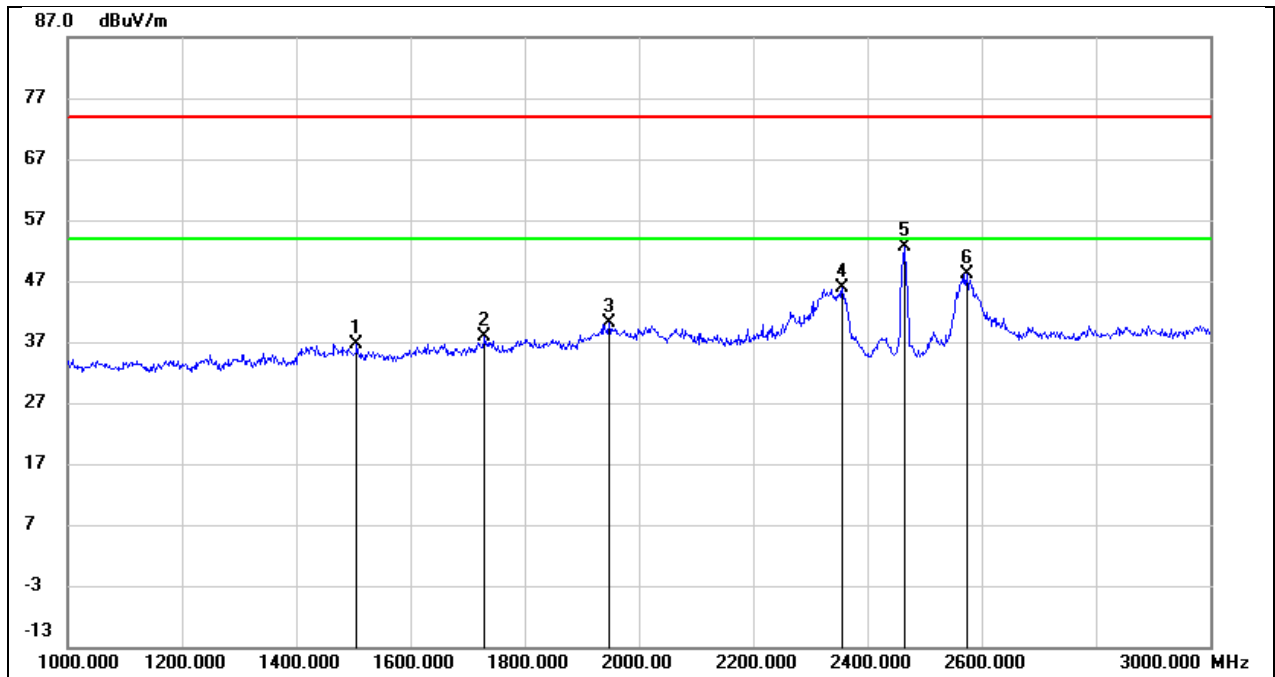
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1470.000	48.62	-11.92	36.70	74.00	-37.30	peak
2	1952.000	48.60	-9.24	39.36	74.00	-34.64	peak
3	2328.000	54.57	-8.02	46.55	74.00	-27.45	peak
4	2344.000	54.95	-7.96	46.99	74.00	-27.01	peak
5	2437.000	60.00	-7.63	52.37	/	/	Fundamental
6	2572.000	53.29	-7.02	46.27	74.00	-27.73	peak

Test Mode:	802.11b	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 3.65V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1418.000	48.19	-12.36	35.83	74.00	-38.17	peak
2	1740.000	47.71	-10.38	37.33	74.00	-36.67	peak
3	2302.000	53.75	-8.96	44.79	74.00	-29.21	peak
4	2326.000	54.15	-8.87	45.28	74.00	-28.72	peak
5	2462.000	55.11	-8.34	46.77	/	/	Fundamental
6	2566.000	50.81	-7.91	42.90	74.00	-31.10	peak

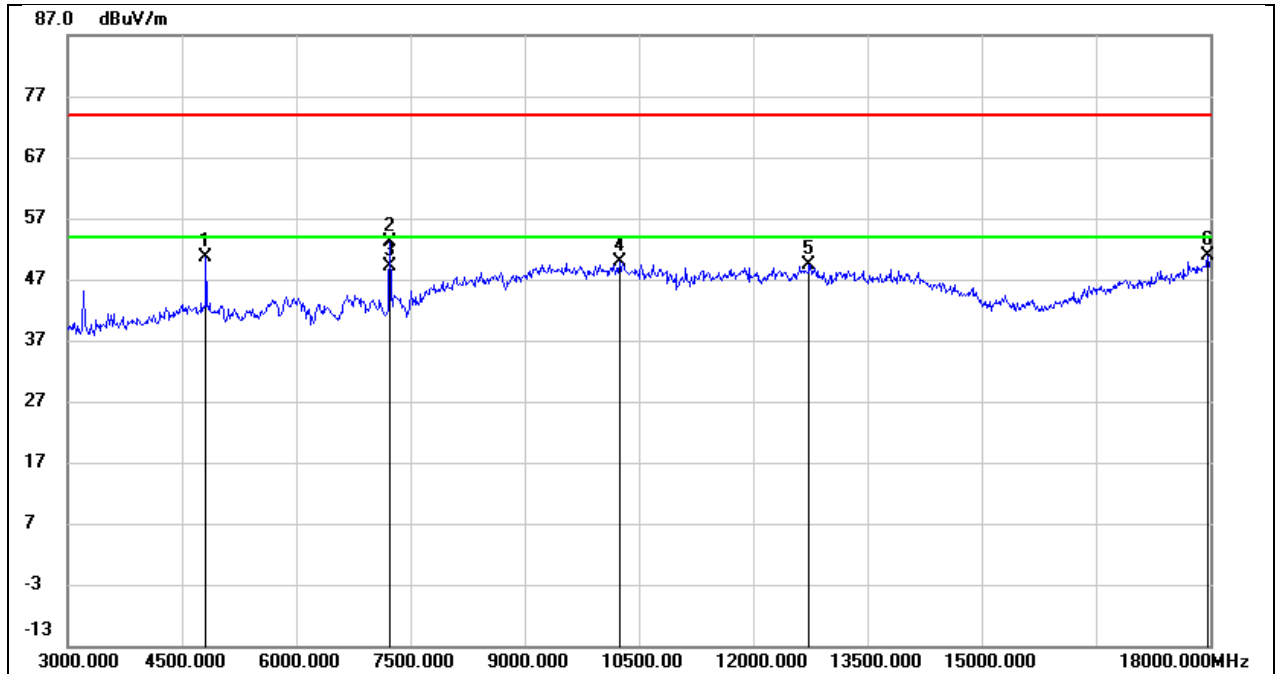
Test Mode:	802.11b	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 3.65V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1506.000	48.44	-11.74	36.70	74.00	-37.30	peak
2	1730.000	47.88	-9.99	37.89	74.00	-36.11	peak
3	1948.000	49.28	-9.25	40.03	74.00	-33.97	peak
4	2356.000	53.77	-7.93	45.84	74.00	-28.16	peak
5	2462.000	60.28	-7.53	52.75	/	/	Fundamental
6	2574.000	55.17	-7.00	48.17	74.00	-25.83	peak

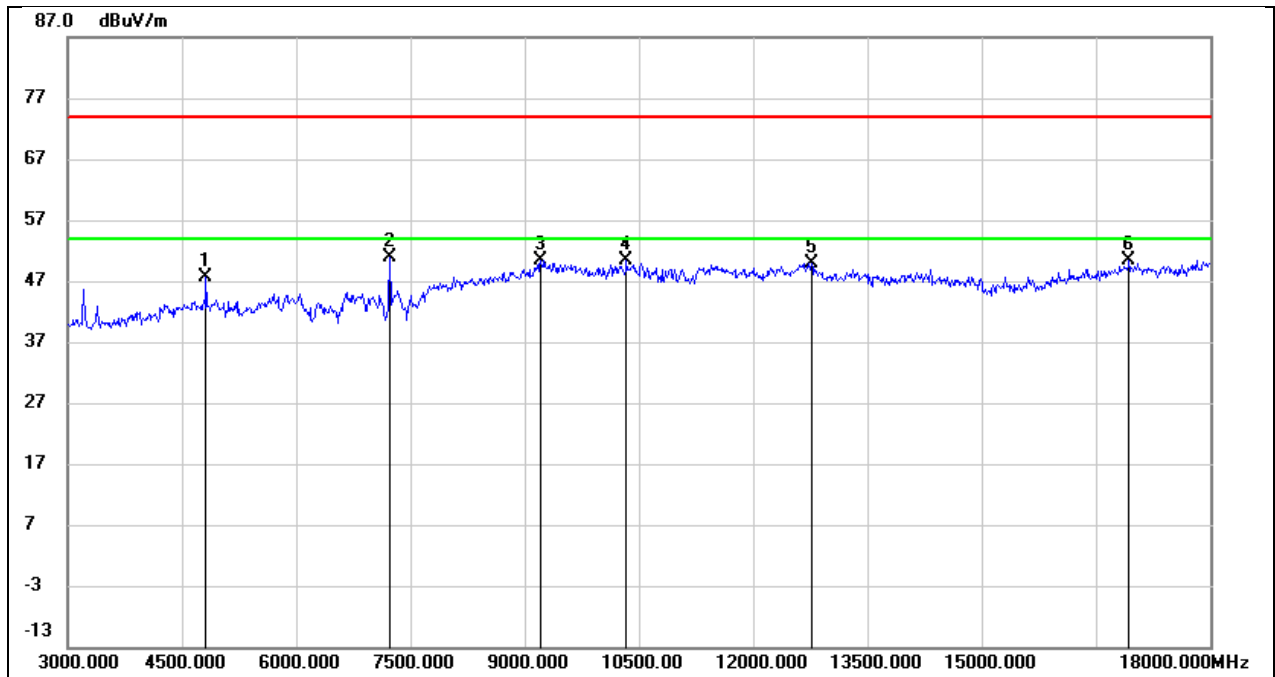
8.3. SPURIOUS EMISSIONS(3 GHZ~18 GHZ)

Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 3.65V



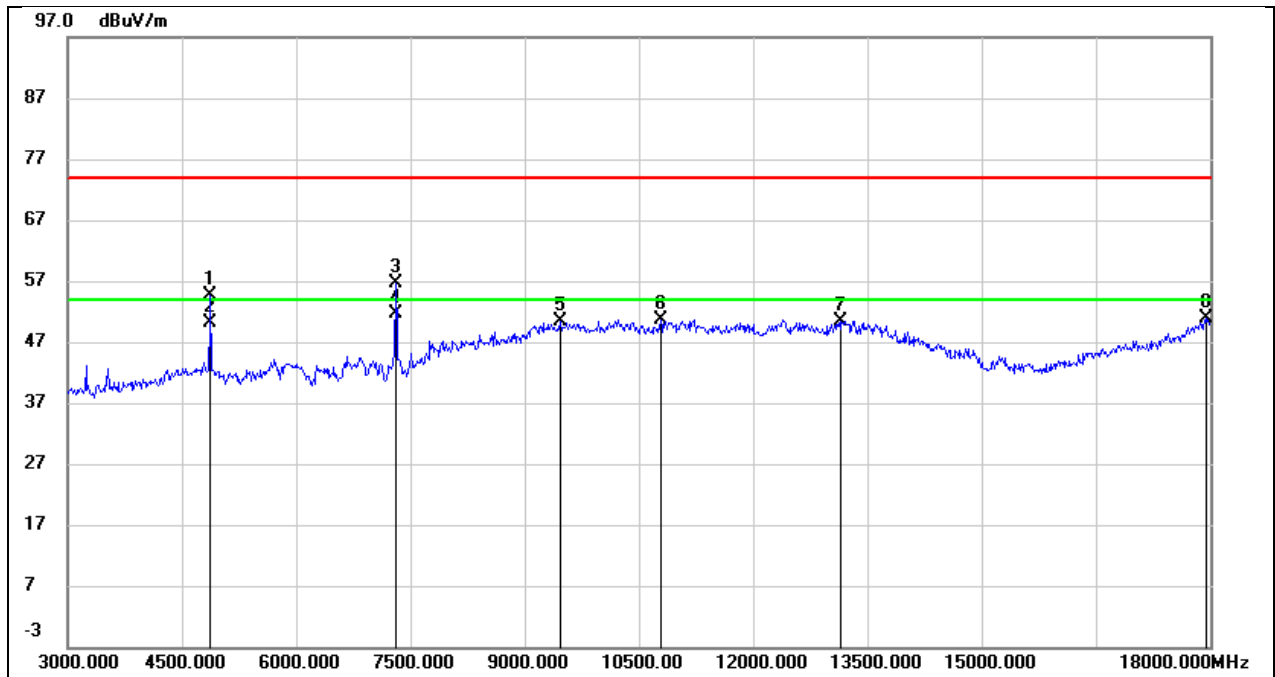
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4815.000	50.06	0.50	50.56	74.00	-23.44	peak
2	7230.000	46.30	6.93	53.23	74.00	-20.77	peak
3	7230.000	42.31	6.93	49.24	54.00	-4.76	AVG
4	10245.000	36.45	13.32	49.77	74.00	-24.23	peak
5	12735.000	30.01	19.33	49.34	74.00	-24.66	peak
6	17970.000	21.46	29.33	50.79	74.00	-23.21	peak

Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 3.65V



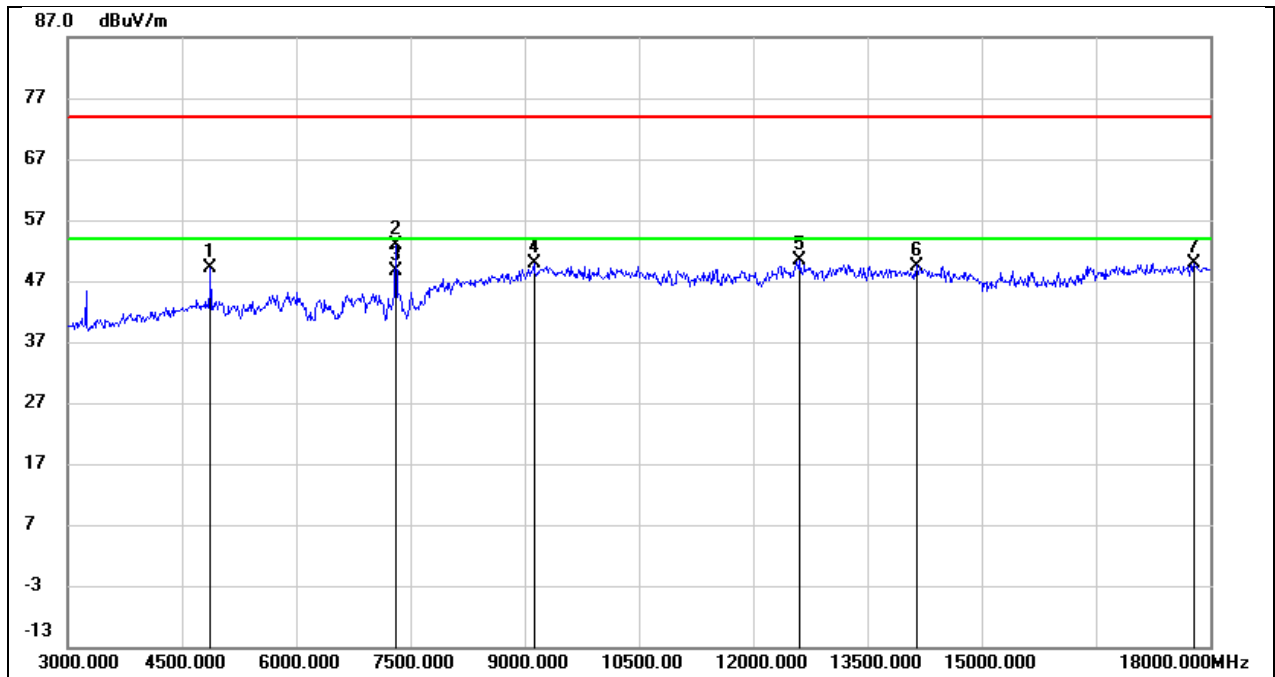
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4815.000	45.97	1.59	47.56	74.00	-26.44	peak
2	7230.000	43.16	7.65	50.81	74.00	-23.19	peak
3	9210.000	38.92	11.36	50.28	74.00	-23.72	peak
4	10335.000	37.26	13.05	50.31	74.00	-23.69	peak
5	12765.000	31.57	18.34	49.91	74.00	-24.09	peak
6	16935.000	25.35	25.10	50.45	74.00	-23.55	peak

Test Mode:	802.11b	Frequency(MHz):	2437
Polarity:	Horizontal	Test Voltage:	DC 3.65V



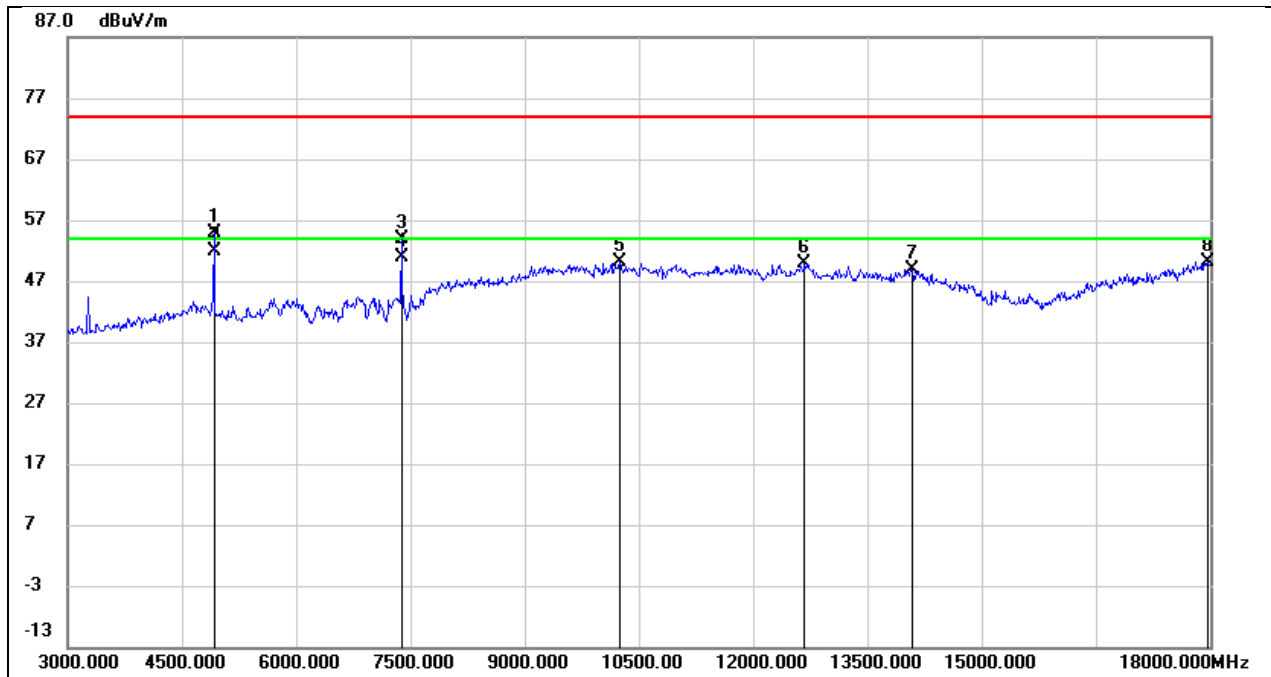
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4875.000	53.88	0.65	54.53	74.00	-19.47	peak
2	4875.000	49.56	0.65	50.21	54.00	-3.79	AVG
3	7305.000	49.58	7.03	56.61	74.00	-17.39	peak
4	7305.000	44.60	7.03	51.63	54.00	-2.37	AVG
5	9465.000	38.04	12.24	50.28	74.00	-23.72	peak
6	10785.000	35.90	14.80	50.70	74.00	-23.30	peak
7	13155.000	29.35	20.97	50.32	74.00	-23.68	peak
8	17955.000	21.59	29.18	50.77	74.00	-23.23	peak

Test Mode:	802.11b	Frequency(MHz):	2437
Polarity:	Vertical	Test Voltage:	DC 3.65V



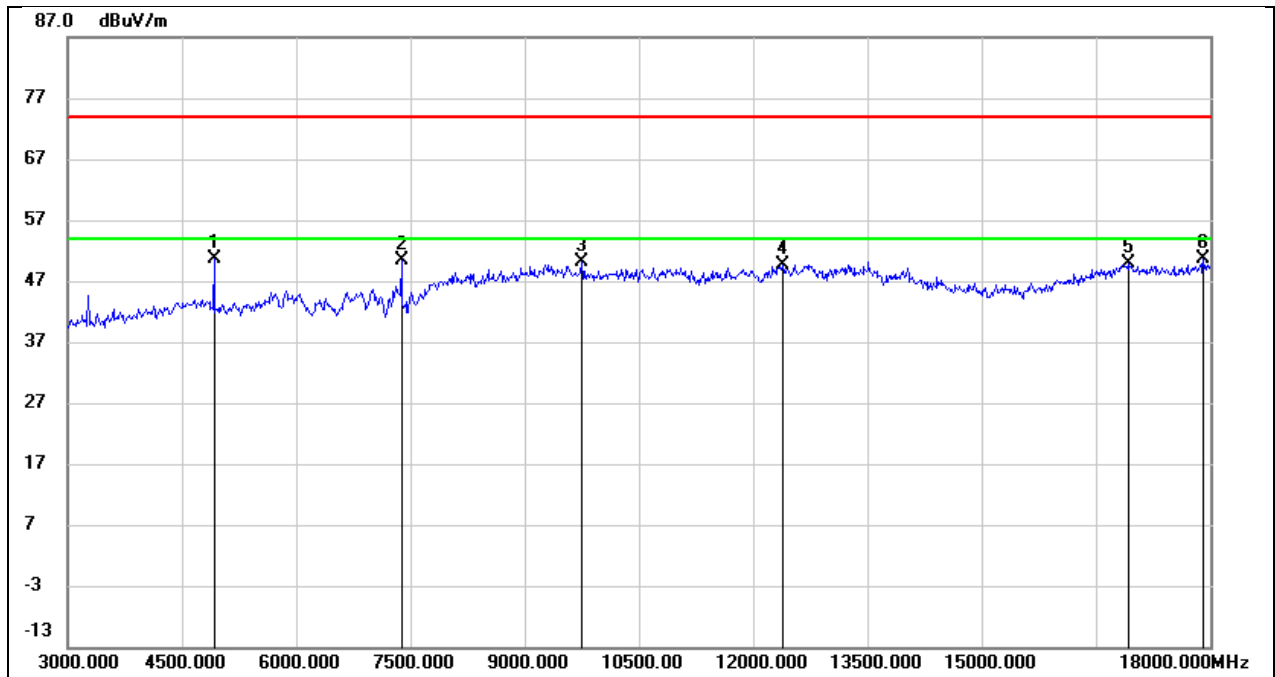
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4875.000	47.41	1.78	49.19	74.00	-24.81	peak
2	7305.000	45.09	7.68	52.77	74.00	-21.23	peak
3	7305.000	40.92	7.68	48.60	54.00	-5.40	AVG
4	9120.000	38.79	11.03	49.82	74.00	-24.18	peak
5	12615.000	32.31	18.04	50.35	74.00	-23.65	peak
6	14145.000	27.26	22.24	49.50	74.00	-24.50	peak
7	17790.000	23.67	26.25	49.92	74.00	-24.08	peak

Test Mode:	802.11b	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 3.65V



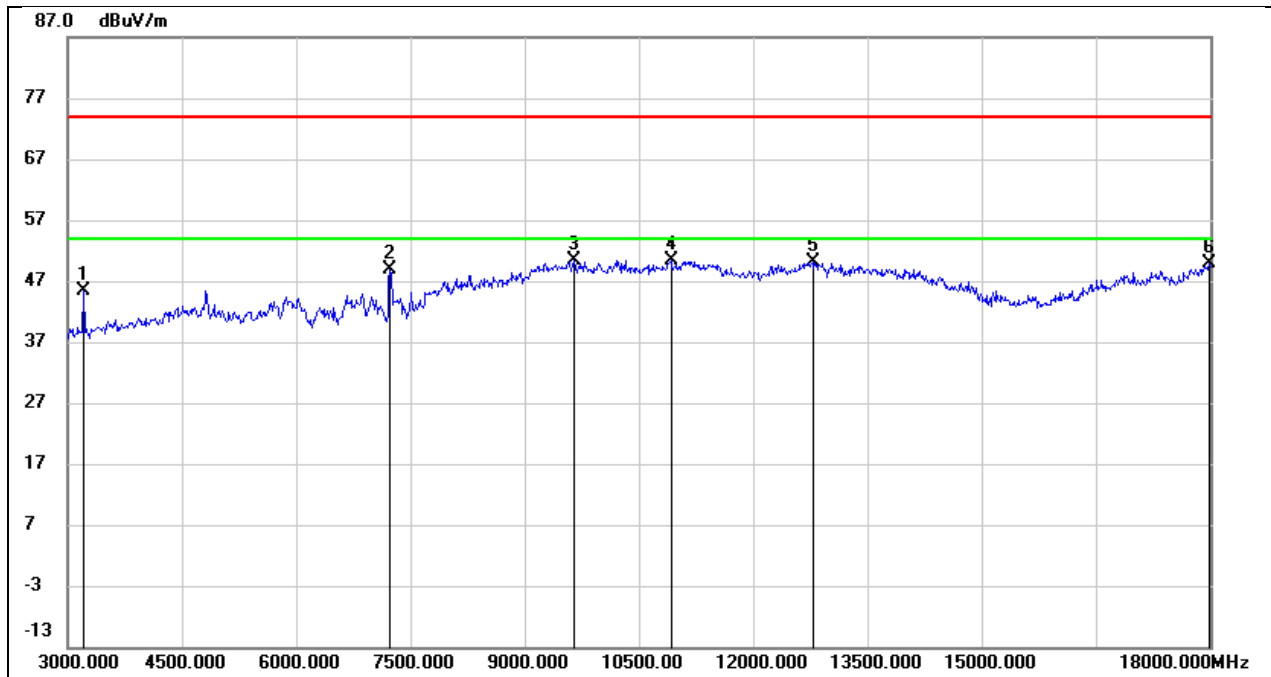
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4920.000	54.18	0.76	54.94	74.00	-19.06	peak
2	4920.000	51.23	0.76	51.99	54.00	-2.01	AVG
3	7380.000	46.76	7.13	53.89	74.00	-20.11	peak
4	7380.000	43.72	7.13	50.85	54.00	-3.15	AVG
5	10245.000	36.79	13.32	50.11	74.00	-23.89	peak
6	12675.000	30.75	19.18	49.93	74.00	-24.07	peak
7	14085.000	25.36	23.61	48.97	74.00	-25.03	peak
8	17970.000	20.88	29.33	50.21	74.00	-23.79	peak

Test Mode:	802.11b	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 3.65V



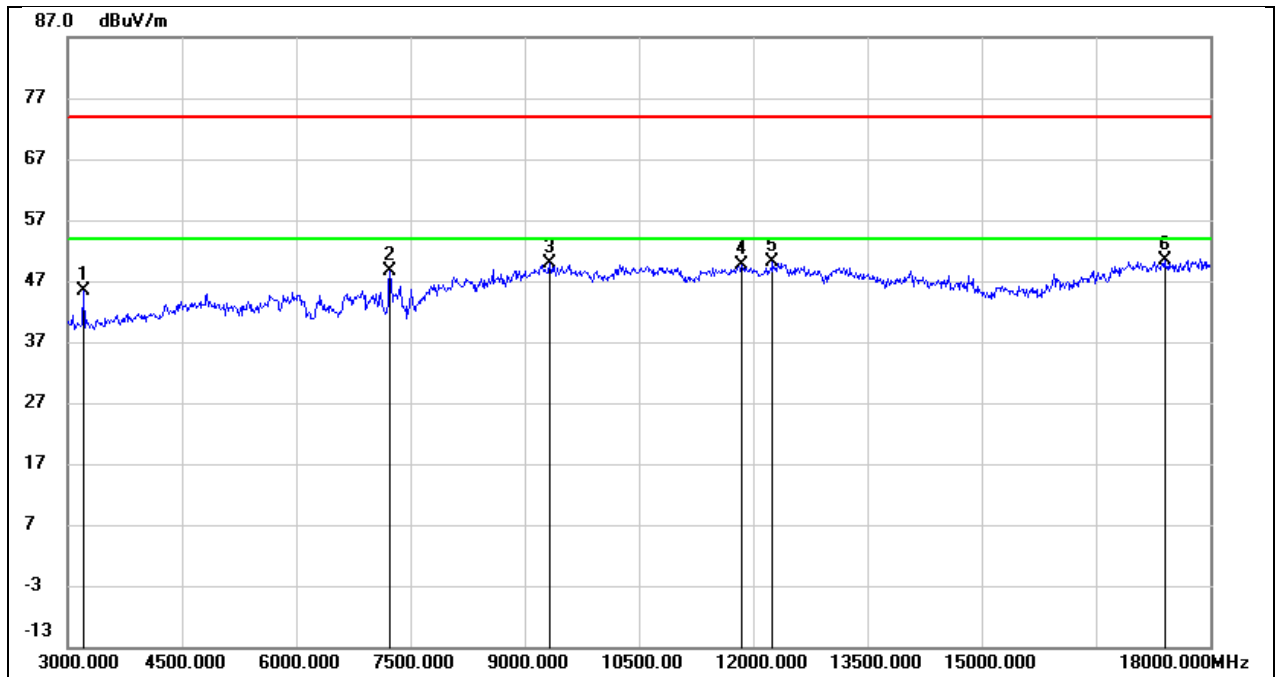
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4920.000	48.68	1.91	50.59	74.00	-23.41	peak
2	7380.000	42.62	7.73	50.35	74.00	-23.65	peak
3	9750.000	37.28	12.83	50.11	74.00	-23.89	peak
4	12390.000	31.60	18.02	49.62	74.00	-24.38	peak
5	16920.000	24.68	25.08	49.76	74.00	-24.24	peak
6	17910.000	23.77	26.92	50.69	74.00	-23.31	peak

Test Mode:	802.11g	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 3.65V



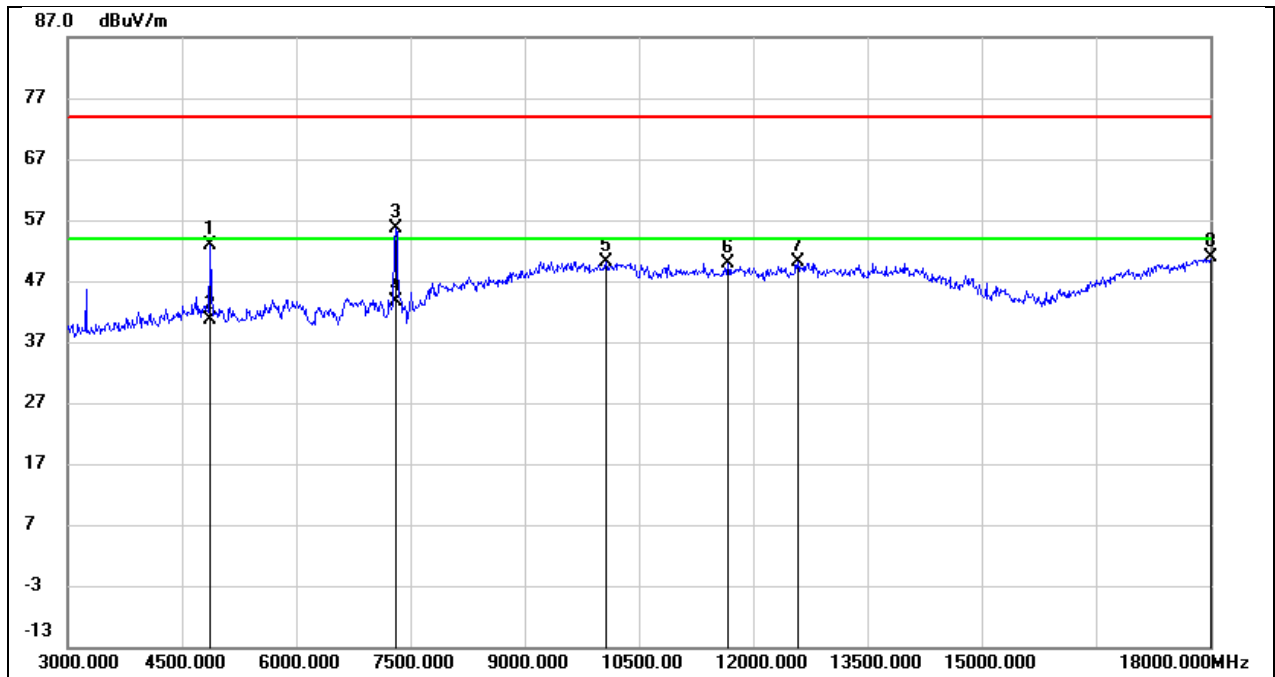
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3210.000	49.64	-4.25	45.39	74.00	-28.61	peak
2	7230.000	41.85	6.93	48.78	74.00	-25.22	peak
3	9645.000	37.49	12.94	50.43	74.00	-23.57	peak
4	10920.000	34.81	15.52	50.33	74.00	-23.67	peak
5	12780.000	30.58	19.45	50.03	74.00	-23.97	peak
6	17985.000	20.35	29.49	49.84	74.00	-24.16	peak

Test Mode:	802.11g	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 3.65V



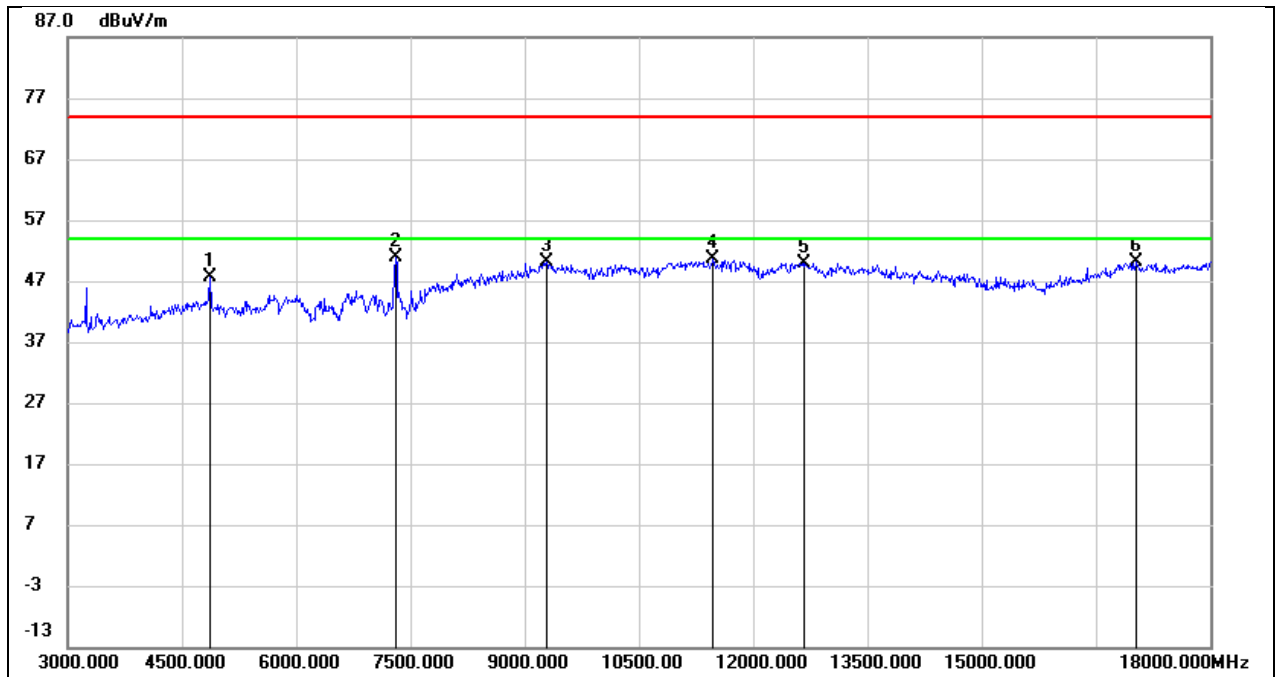
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3210.000	48.54	-3.07	45.47	74.00	-28.53	peak
2	7230.000	41.05	7.65	48.70	74.00	-25.30	peak
3	9330.000	38.22	11.78	50.00	74.00	-24.00	peak
4	11850.000	32.37	17.33	49.70	74.00	-24.30	peak
5	12255.000	32.26	17.80	50.06	74.00	-23.94	peak
6	17400.000	25.07	25.39	50.46	74.00	-23.54	peak

Test Mode:	802.11g	Frequency(MHz):	2437
Polarity:	Horizontal	Test Voltage:	DC 3.65V



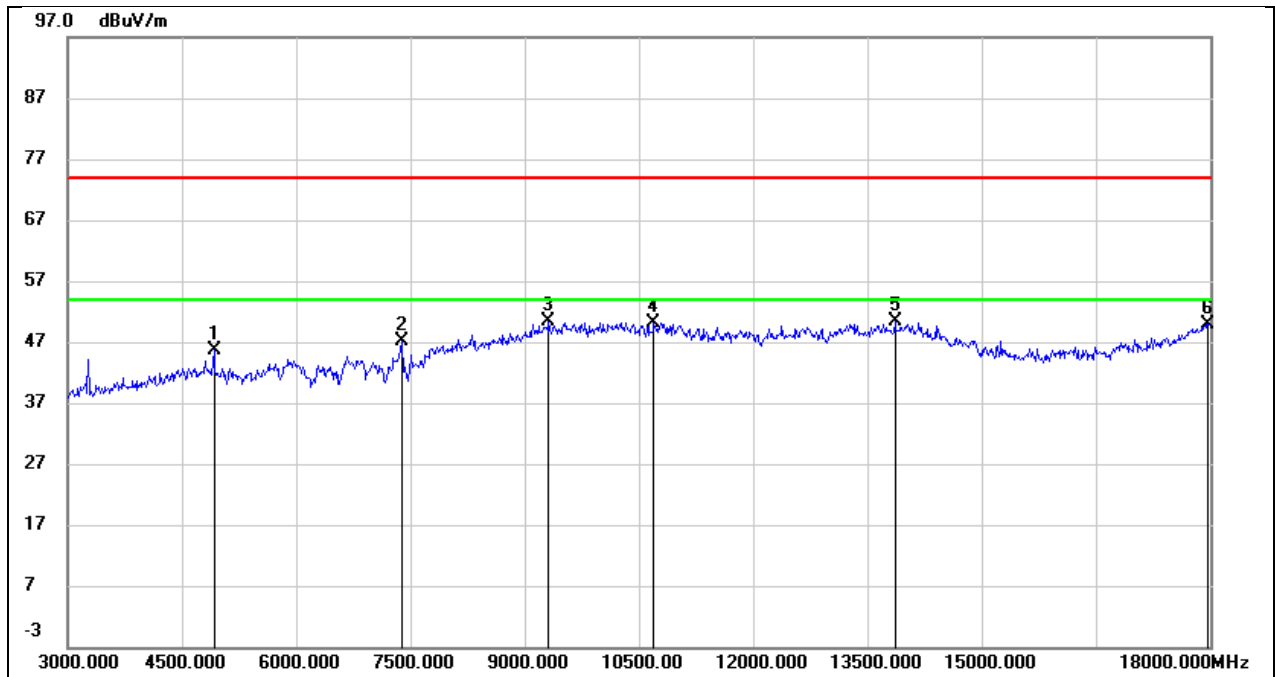
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4875.000	52.33	0.65	52.98	74.00	-21.02	peak
2	4875.000	39.89	0.65	40.54	54.00	-13.46	AVG
3	7305.000	48.51	7.03	55.54	74.00	-18.46	peak
4	7305.000	36.56	7.03	43.59	54.00	-10.41	AVG
5	10065.000	36.86	13.32	50.18	74.00	-23.82	peak
6	11670.000	31.59	18.27	49.86	74.00	-24.14	peak
7	12585.000	31.05	18.96	50.01	74.00	-23.99	peak
8	18000.000	21.19	29.64	50.83	74.00	-23.17	peak

Test Mode:	802.11g	Frequency(MHz):	2437
Polarity:	Vertical	Test Voltage:	DC 3.65V



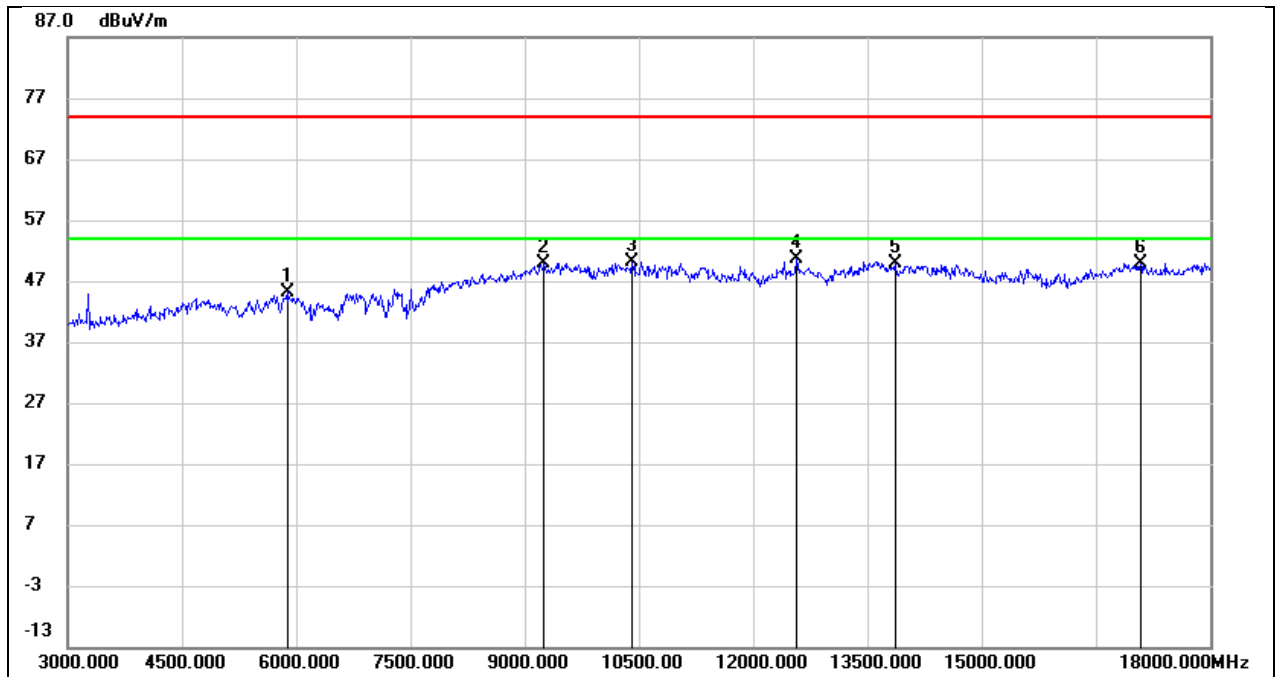
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4860.000	46.00	1.73	47.73	74.00	-26.27	peak
2	7305.000	43.24	7.68	50.92	74.00	-23.08	peak
3	9285.000	38.43	11.62	50.05	74.00	-23.95	peak
4	11475.000	34.16	16.42	50.58	74.00	-23.42	peak
5	12675.000	31.82	18.17	49.99	74.00	-24.01	peak
6	17025.000	24.85	25.19	50.04	74.00	-23.96	peak

Test Mode:	802.11g	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 3.65V



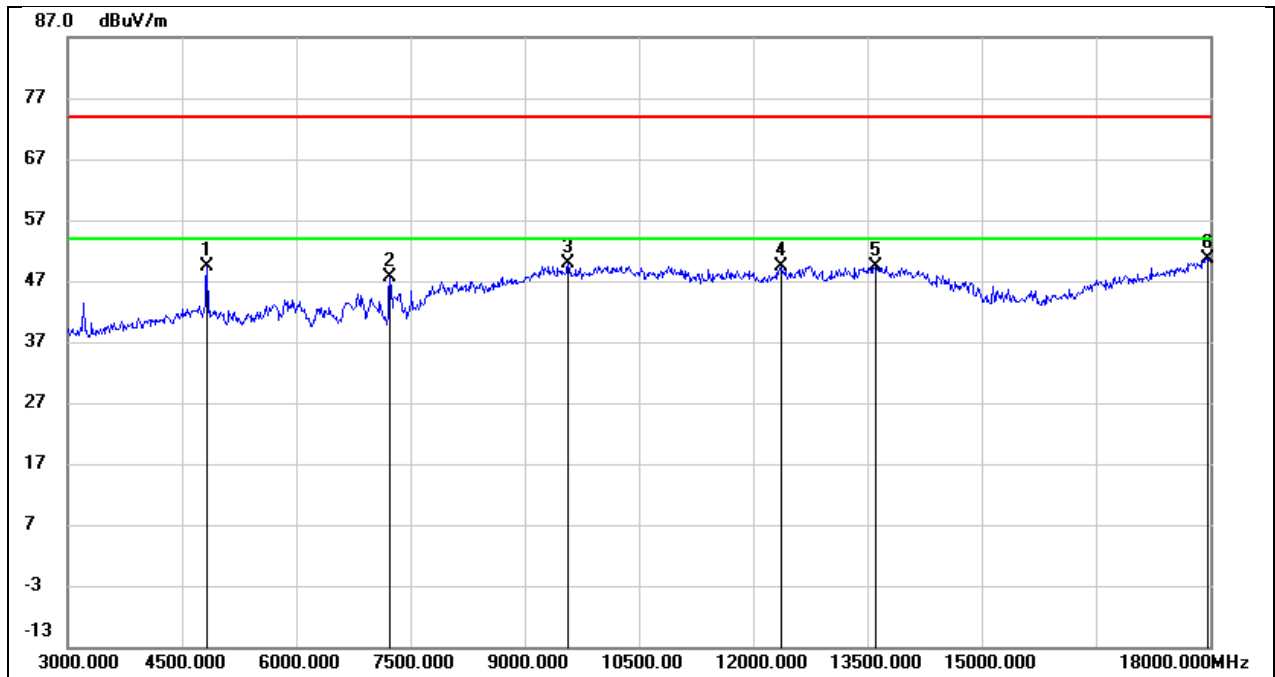
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4920.000	44.87	0.76	45.63	74.00	-28.37	peak
2	7380.000	39.99	7.13	47.12	74.00	-26.88	peak
3	9315.000	38.87	11.58	50.45	74.00	-23.55	peak
4	10695.000	35.57	14.45	50.02	74.00	-23.98	peak
5	13860.000	27.16	23.19	50.35	74.00	-23.65	peak
6	17970.000	20.64	29.33	49.97	74.00	-24.03	peak

Test Mode:	802.11g	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 3.65V



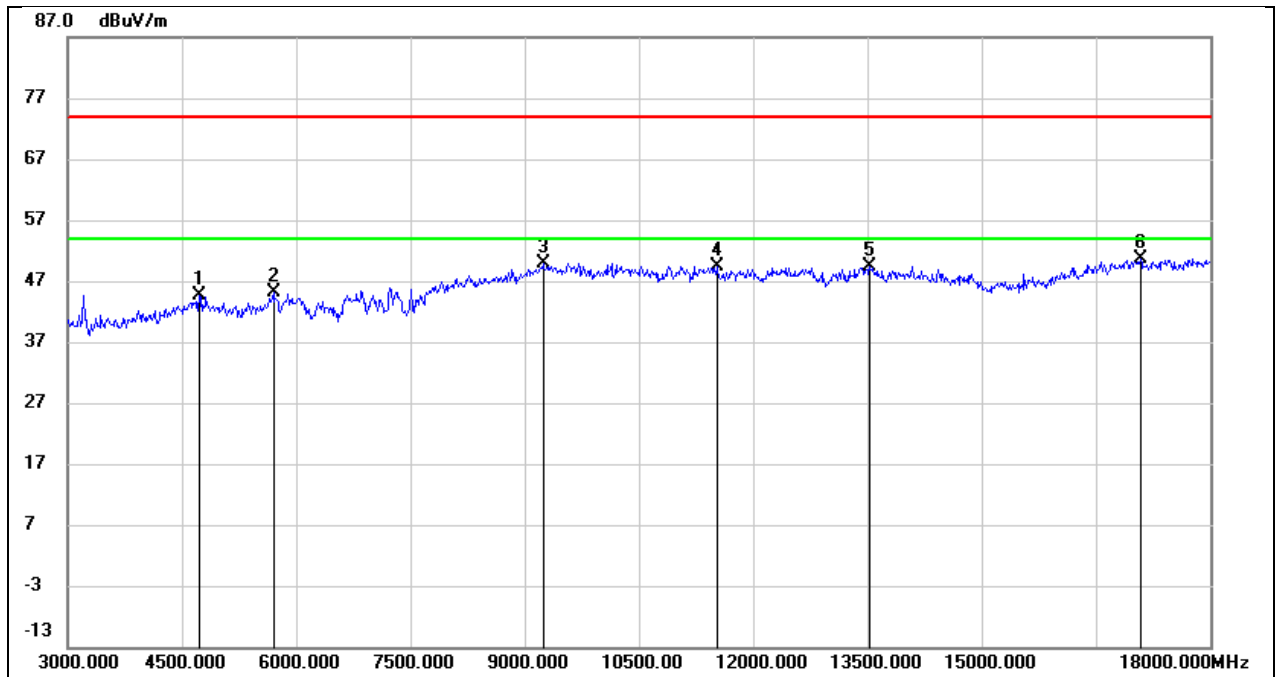
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5880.000	41.30	3.95	45.25	74.00	-28.75	peak
2	9255.000	38.44	11.51	49.95	74.00	-24.05	peak
3	10410.000	36.82	13.22	50.04	74.00	-23.96	peak
4	12570.000	32.70	18.00	50.70	74.00	-23.30	peak
5	13860.000	28.39	21.56	49.95	74.00	-24.05	peak
6	17085.000	24.68	25.24	49.92	74.00	-24.08	peak

Test Mode:	802.11n HT20	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 3.65V



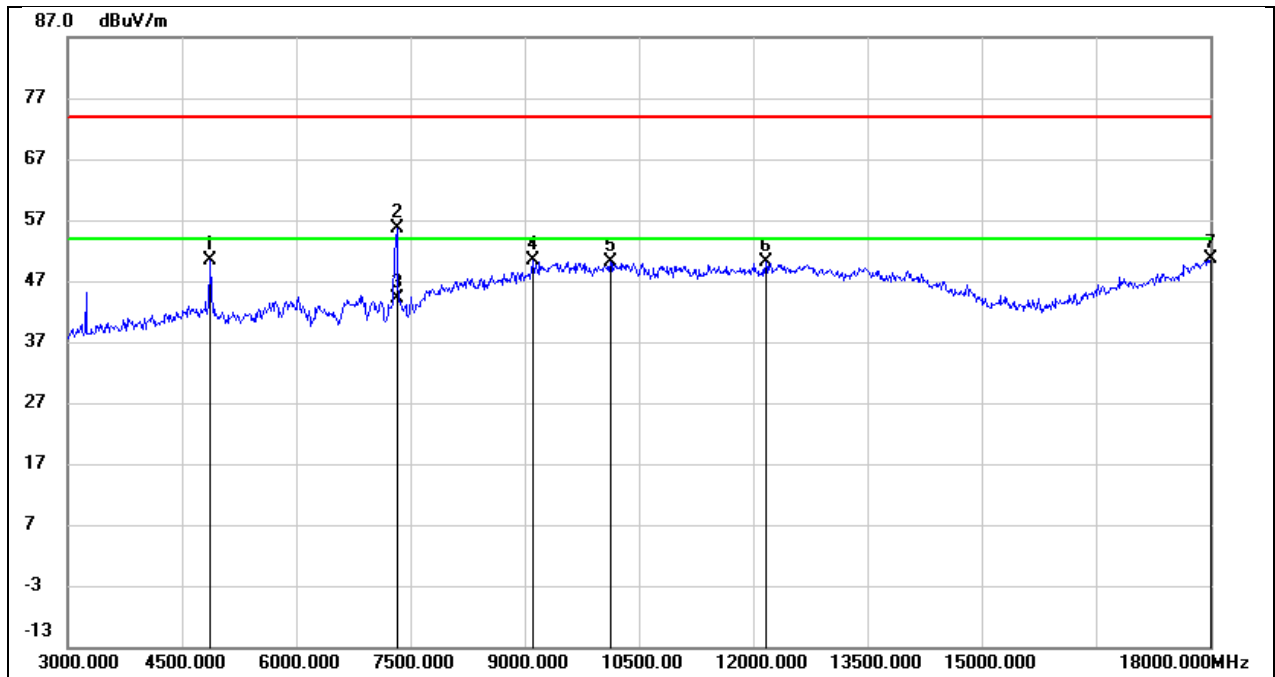
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4830.000	48.80	0.54	49.34	74.00	-24.66	peak
2	7230.000	40.66	6.93	47.59	74.00	-26.41	peak
3	9570.000	37.23	12.70	49.93	74.00	-24.07	peak
4	12360.000	30.52	18.92	49.44	74.00	-24.56	peak
5	13605.000	26.69	22.63	49.32	74.00	-24.68	peak
6	17970.000	21.40	29.33	50.73	74.00	-23.27	peak

Test Mode:	802.11n HT20	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 3.65V



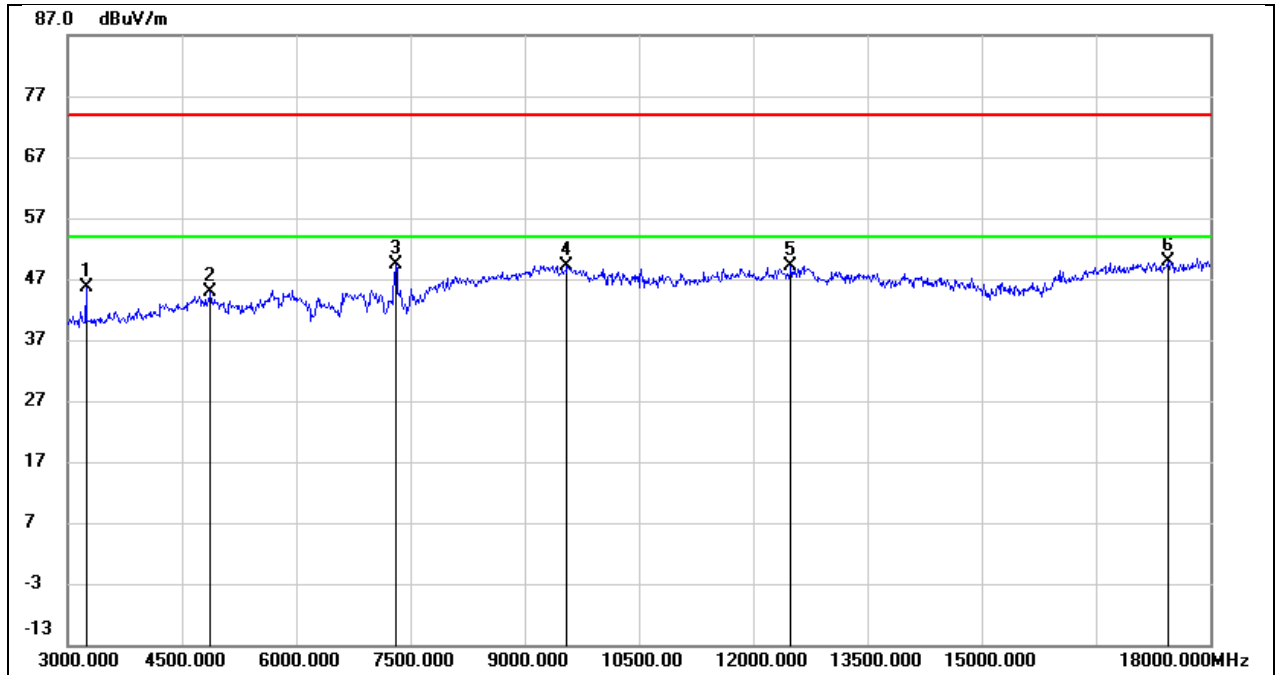
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4725.000	43.35	1.27	44.62	74.00	-29.38	peak
2	5700.000	41.38	3.65	45.03	74.00	-28.97	peak
3	9240.000	38.48	11.46	49.94	74.00	-24.06	peak
4	11520.000	32.90	16.53	49.43	74.00	-24.57	peak
5	13530.000	28.61	20.80	49.41	74.00	-24.59	peak
6	17085.000	25.34	25.24	50.58	74.00	-23.42	peak

Test Mode:	802.11n HT20	Frequency(MHz):	2437
Polarity:	Horizontal	Test Voltage:	DC 3.65V



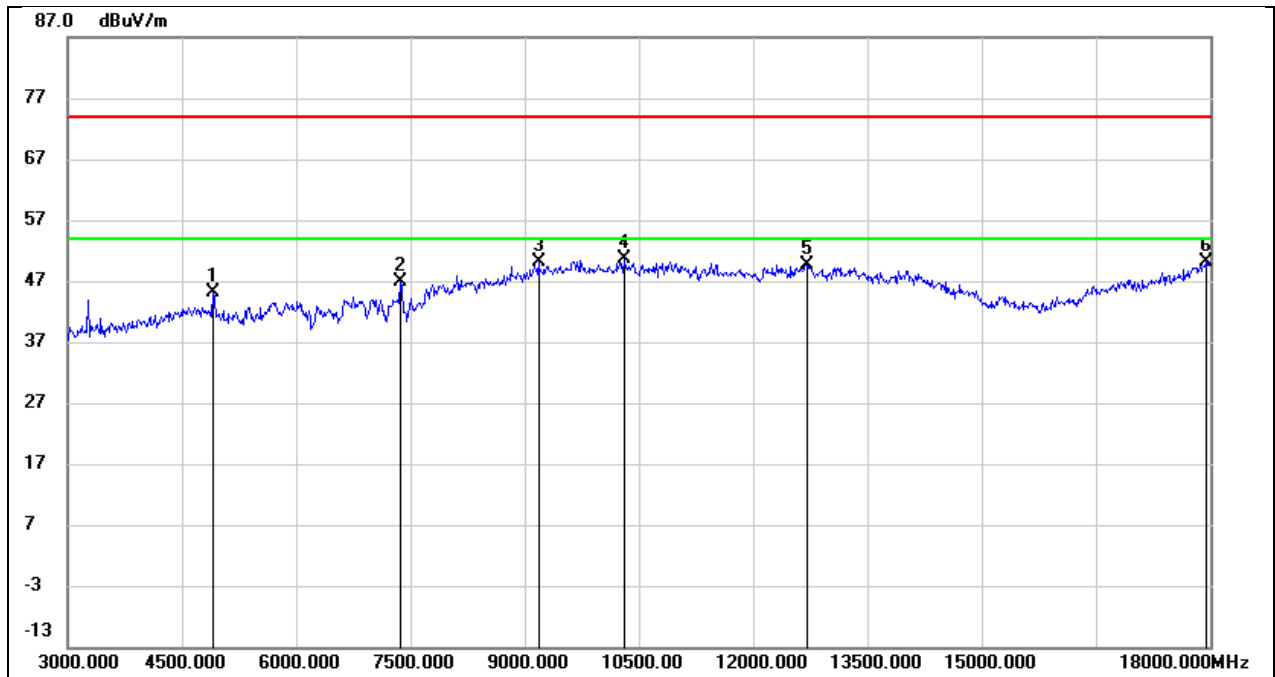
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4875.000	49.69	0.65	50.34	74.00	-23.66	peak
2	7320.000	48.65	7.05	55.70	74.00	-18.30	peak
3	7320.000	37.12	7.05	44.17	54.00	-9.83	AVG
4	9105.000	39.67	10.66	50.33	74.00	-23.67	peak
5	10125.000	36.94	13.30	50.24	74.00	-23.76	peak
6	12165.000	31.33	18.73	50.06	74.00	-23.94	peak
7	18000.000	20.98	29.64	50.62	74.00	-23.38	peak

Test Mode:	802.11n HT20	Frequency(MHz):	2437
Polarity:	Vertical	Test Voltage:	DC 3.65V



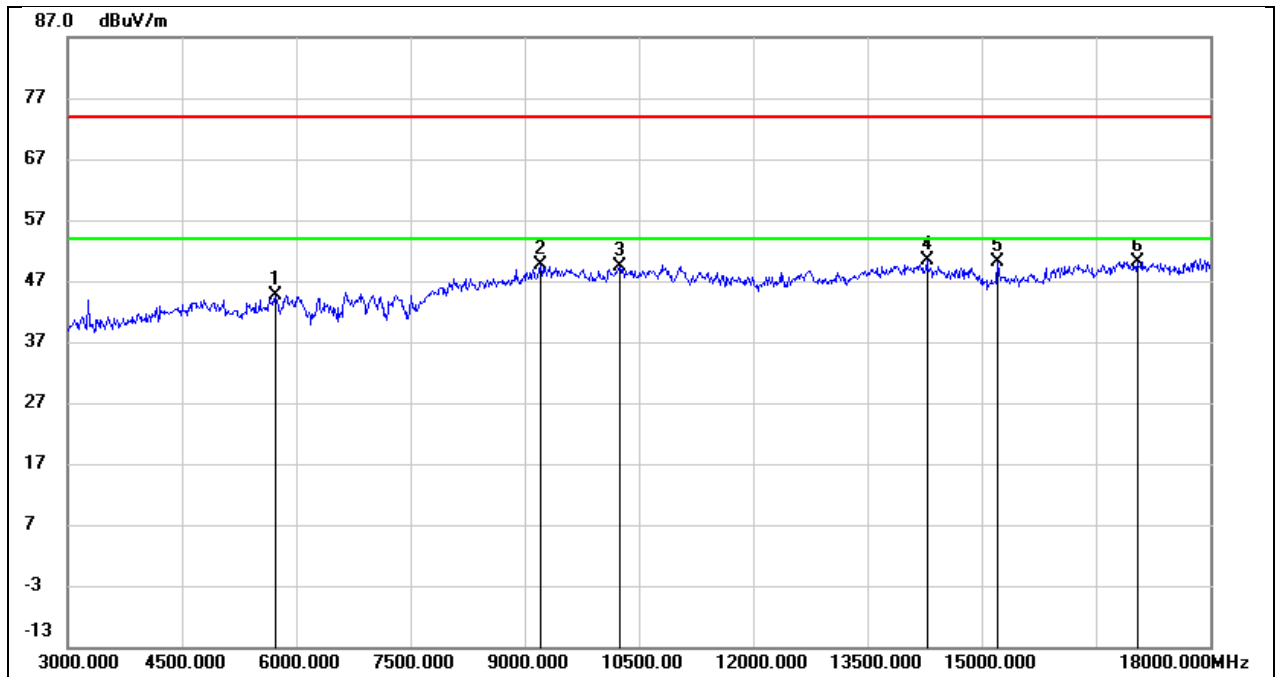
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3240.000	48.62	-3.05	45.57	74.00	-28.43	peak
2	4875.000	43.16	1.78	44.94	74.00	-29.06	peak
3	7305.000	41.81	7.68	49.49	74.00	-24.51	peak
4	9555.000	36.47	12.57	49.04	74.00	-24.96	peak
5	12495.000	31.07	17.99	49.06	74.00	-24.94	peak
6	17445.000	24.47	25.42	49.89	74.00	-24.11	peak

Test Mode:	802.11n HT20	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 3.65V



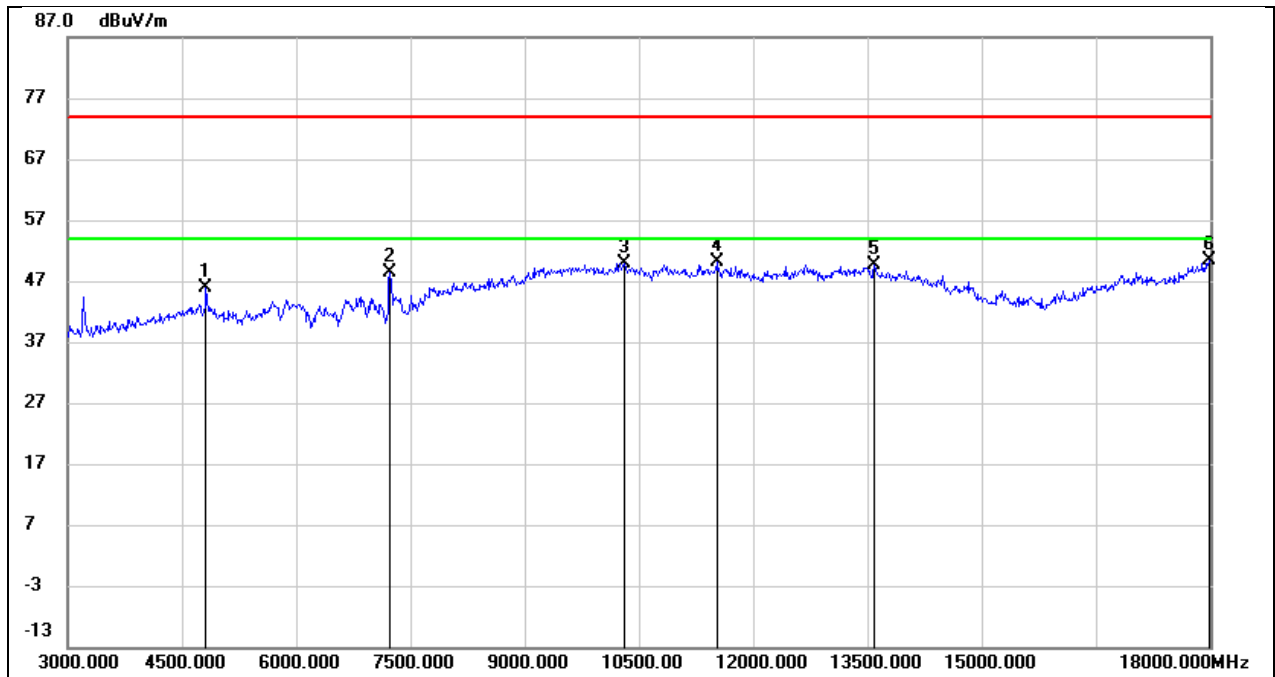
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4905.000	44.37	0.72	45.09	74.00	-28.91	peak
2	7365.000	39.77	7.11	46.88	74.00	-27.12	peak
3	9180.000	39.05	11.00	50.05	74.00	-23.95	peak
4	10305.000	37.18	13.37	50.55	74.00	-23.45	peak
5	12705.000	30.31	19.25	49.56	74.00	-24.44	peak
6	17940.000	21.18	29.03	50.21	74.00	-23.79	peak

Test Mode:	802.11n HT20	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 3.65V



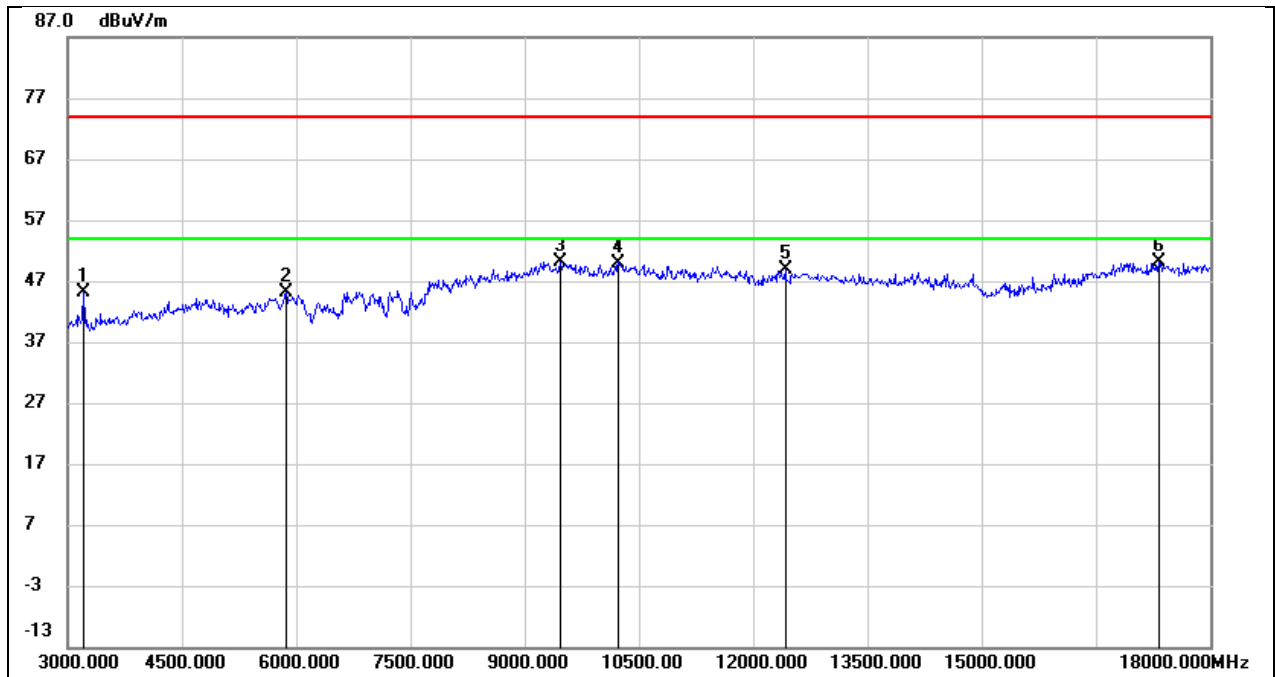
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5730.000	40.85	3.71	44.56	74.00	-29.44	peak
2	9210.000	38.19	11.36	49.55	74.00	-24.45	peak
3	10245.000	36.49	12.86	49.35	74.00	-24.65	peak
4	14280.000	28.38	22.05	50.43	74.00	-23.57	peak
5	15210.000	29.58	20.43	50.01	74.00	-23.99	peak
6	17040.000	24.97	25.21	50.18	74.00	-23.82	peak

Test Mode:	802.11ax HE20	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 3.65V



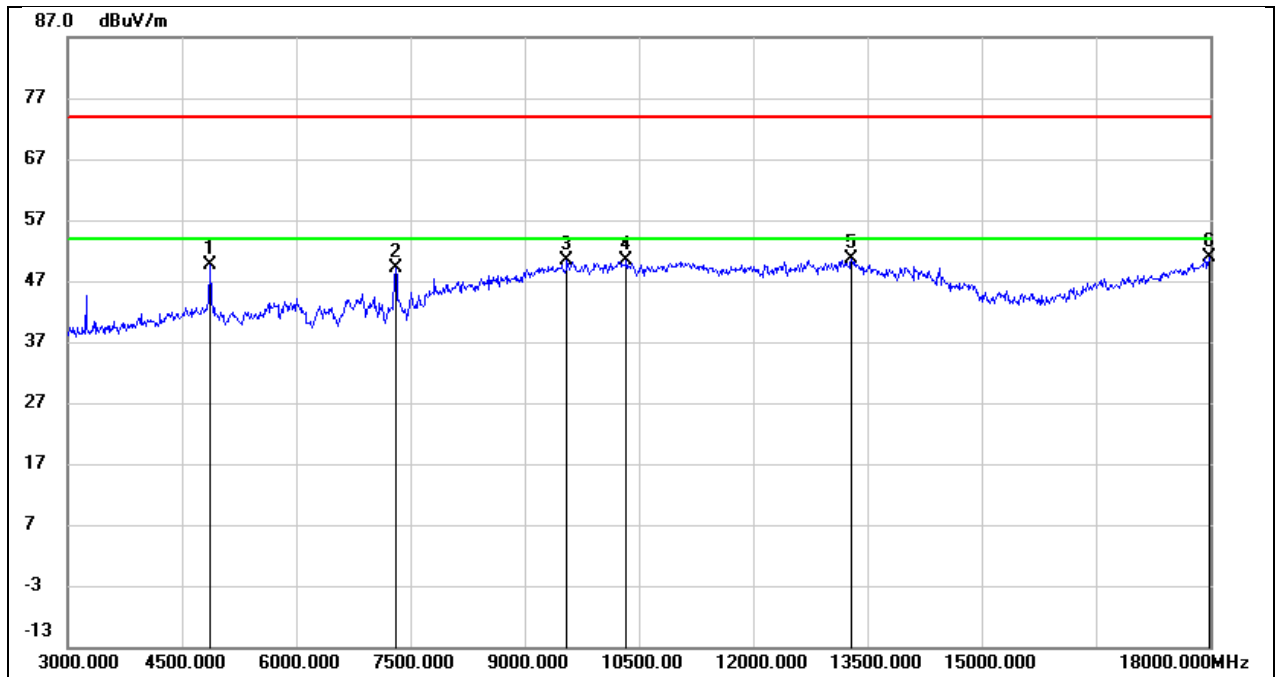
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4815.000	45.30	0.50	45.80	74.00	-28.20	peak
2	7230.000	41.42	6.93	48.35	74.00	-25.65	peak
3	10305.000	36.54	13.37	49.91	74.00	-24.09	peak
4	11520.000	32.12	18.01	50.13	74.00	-23.87	peak
5	13590.000	27.11	22.60	49.71	74.00	-24.29	peak
6	17985.000	20.77	29.49	50.26	74.00	-23.74	peak

Test Mode:	802.11ax HE20	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 3.65V



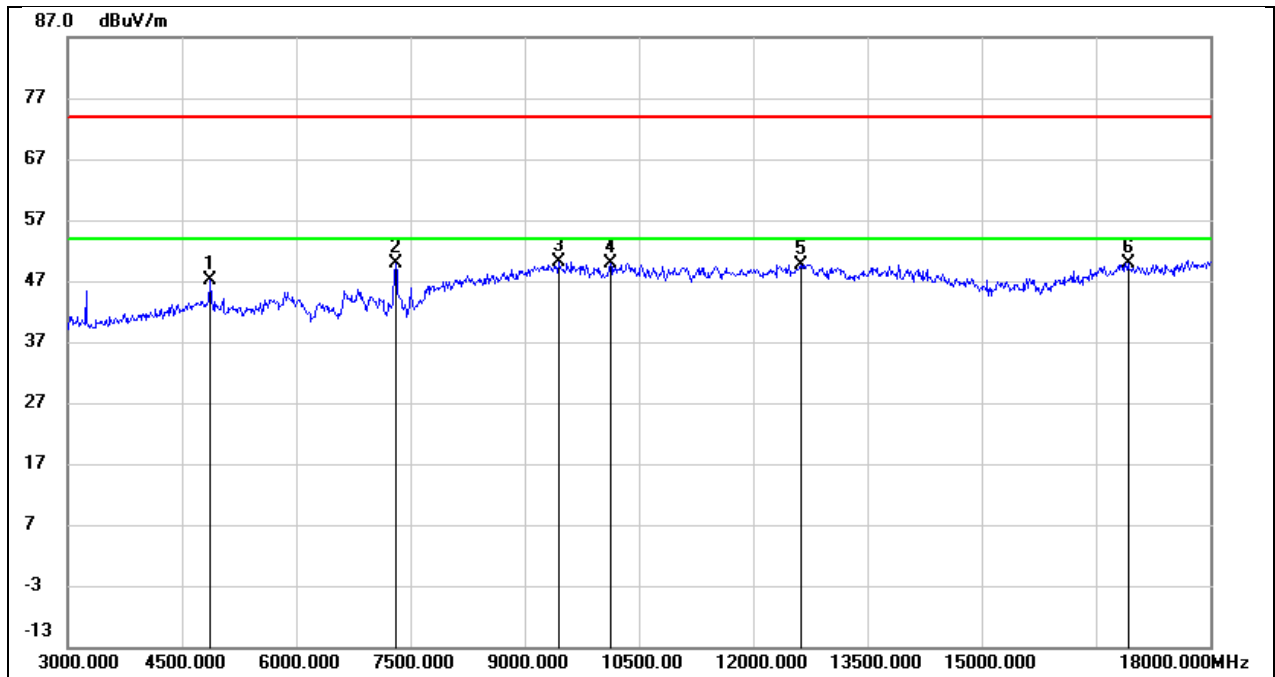
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3210.000	48.27	-3.07	45.20	74.00	-28.80	peak
2	5865.000	41.12	3.92	45.04	74.00	-28.96	peak
3	9465.000	37.98	12.27	50.25	74.00	-23.75	peak
4	10230.000	37.16	12.84	50.00	74.00	-24.00	peak
5	12420.000	30.91	18.01	48.92	74.00	-25.08	peak
6	17325.000	24.68	25.36	50.04	74.00	-23.96	peak

Test Mode:	802.11ax HE20	Frequency(MHz):	2437
Polarity:	Horizontal	Test Voltage:	DC 3.65V



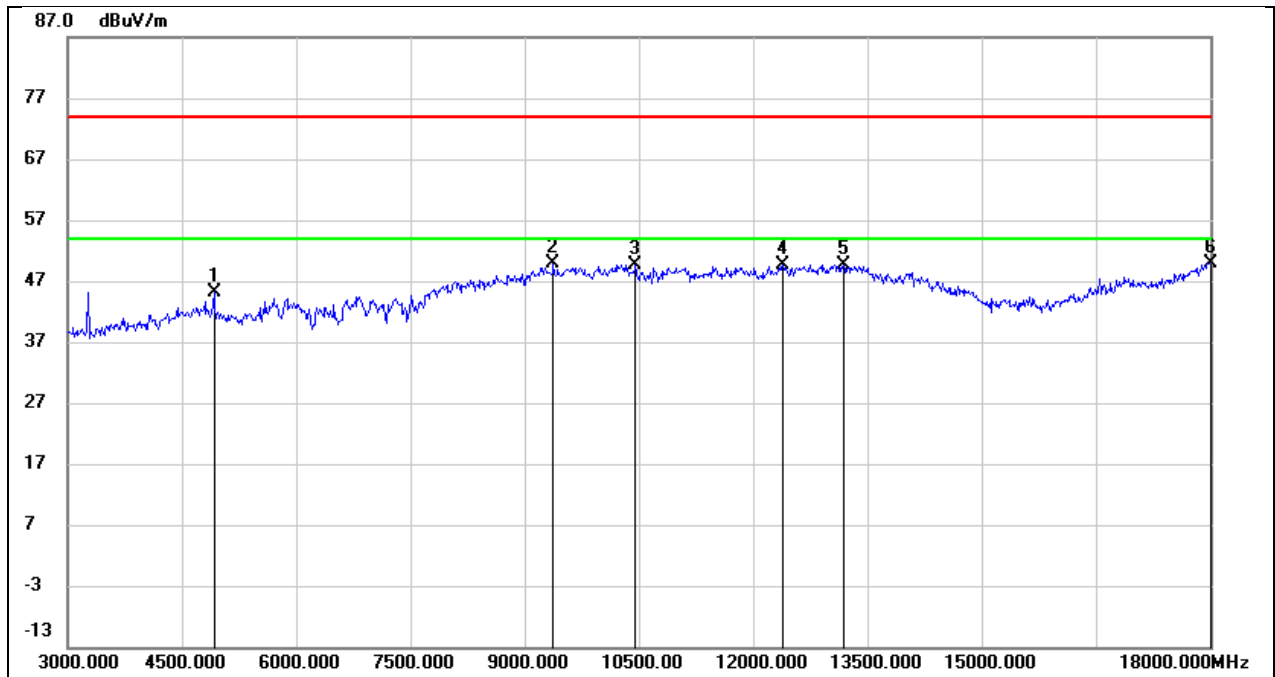
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4875.000	49.05	0.65	49.70	74.00	-24.30	peak
2	7305.000	41.99	7.03	49.02	74.00	-24.98	peak
3	9555.000	37.69	12.65	50.34	74.00	-23.66	peak
4	10335.000	37.03	13.41	50.44	74.00	-23.56	peak
5	13290.000	29.02	21.58	50.60	74.00	-23.40	peak
6	17985.000	21.49	29.49	50.98	74.00	-23.02	peak

Test Mode:	802.11ax HE20	Frequency(MHz):	2437
Polarity:	Vertical	Test Voltage:	DC 3.65V



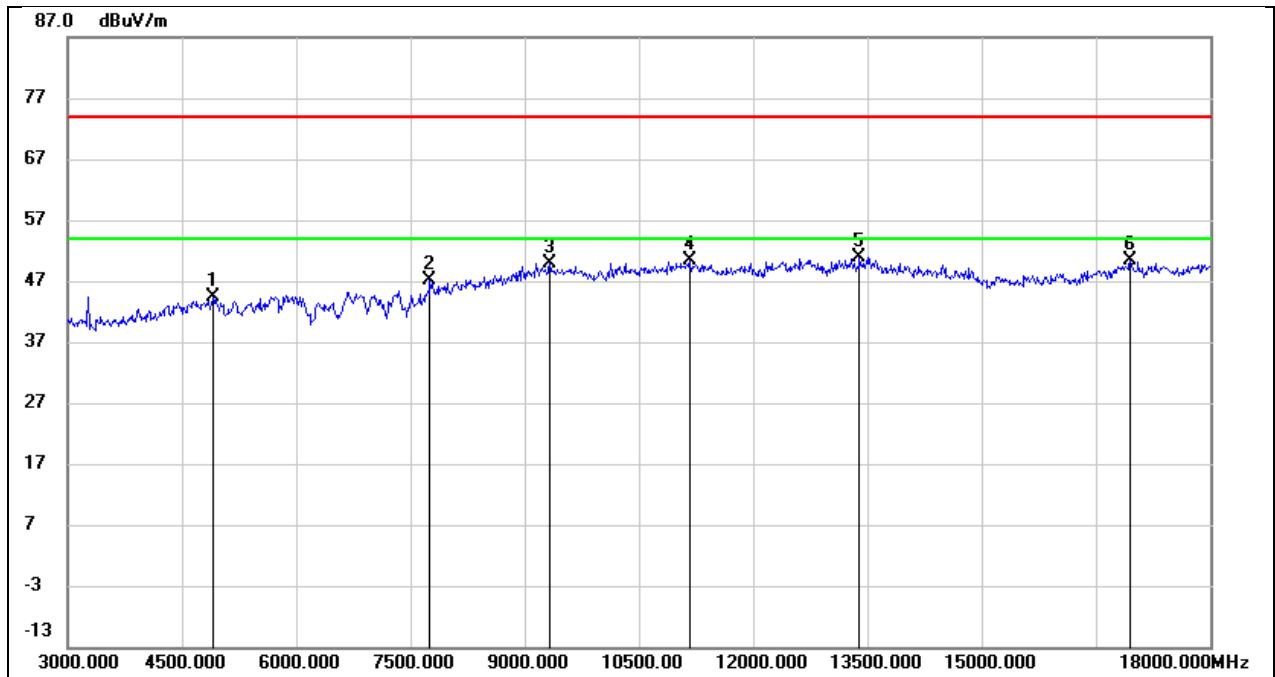
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4875.000	45.28	1.78	47.06	74.00	-26.94	peak
2	7305.000	42.27	7.68	49.95	74.00	-24.05	peak
3	9450.000	37.97	12.22	50.19	74.00	-23.81	peak
4	10125.000	37.28	12.72	50.00	74.00	-24.00	peak
5	12630.000	31.67	18.07	49.74	74.00	-24.26	peak
6	16920.000	24.83	25.08	49.91	74.00	-24.09	peak

Test Mode:	802.11ax HE20	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 3.65V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4920.000	44.47	0.76	45.23	74.00	-28.77	peak
2	9375.000	38.01	11.84	49.85	74.00	-24.15	peak
3	10455.000	35.97	13.61	49.58	74.00	-24.42	peak
4	12390.000	30.78	18.96	49.74	74.00	-24.26	peak
5	13185.000	28.46	21.13	49.59	74.00	-24.41	peak
6	18000.000	20.36	29.64	50.00	74.00	-24.00	peak

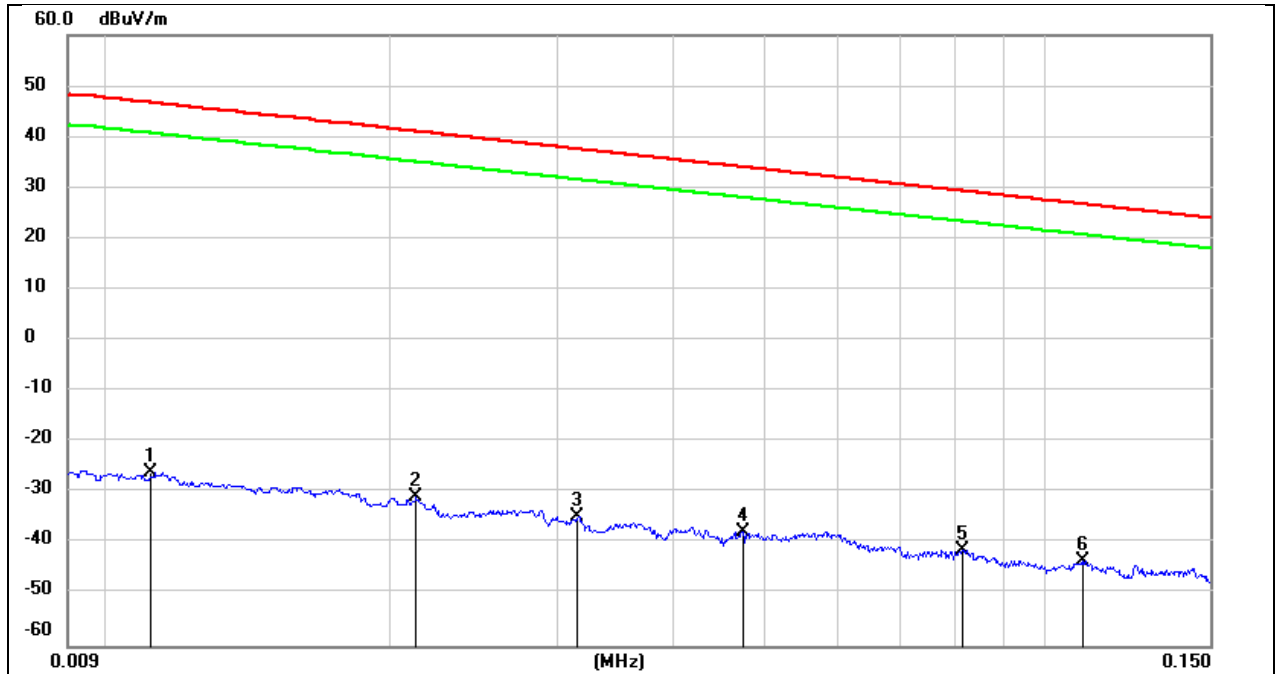
Test Mode:	802.11ax HE20	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 3.65V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4905.000	42.60	1.86	44.46	74.00	-29.54	peak
2	7755.000	39.09	8.16	47.25	74.00	-26.75	peak
3	9330.000	38.18	11.78	49.96	74.00	-24.04	peak
4	11160.000	34.45	15.88	50.33	74.00	-23.67	peak
5	13395.000	30.40	20.43	50.83	74.00	-23.17	peak
6	16950.000	25.19	25.12	50.31	74.00	-23.69	peak

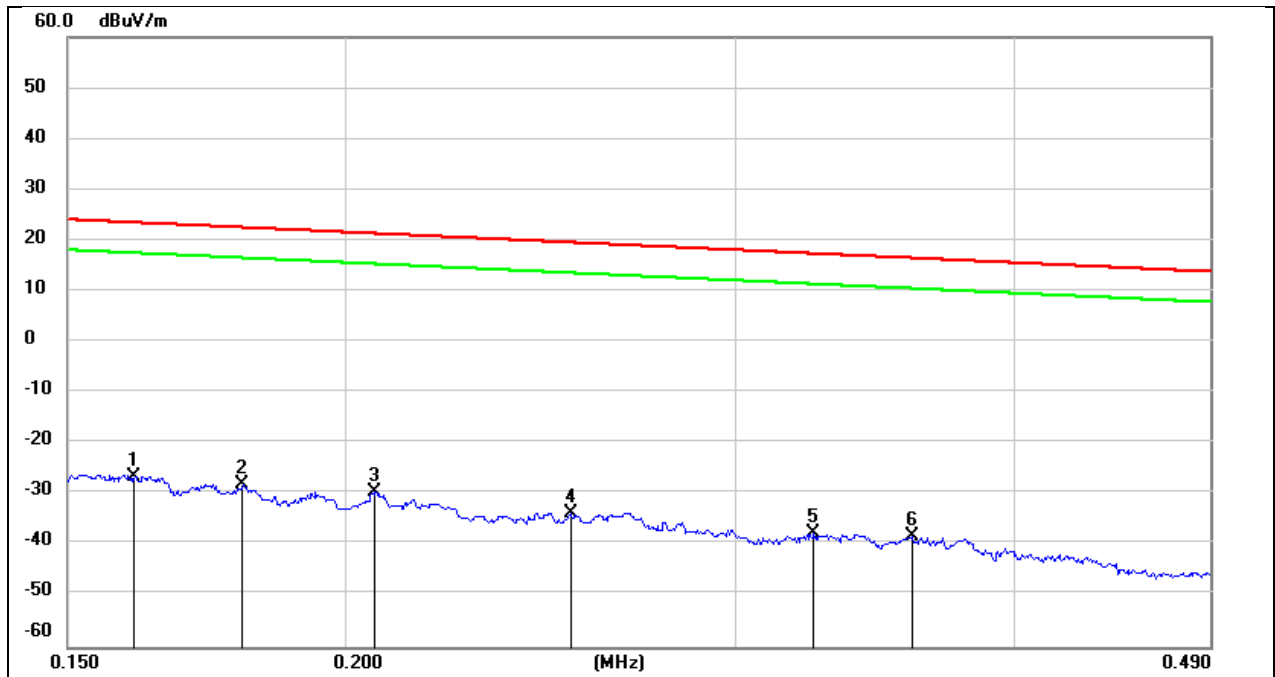
8.4. SPURIOUS EMISSIONS(9 KHZ~30 MHZ)

Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 3.65V



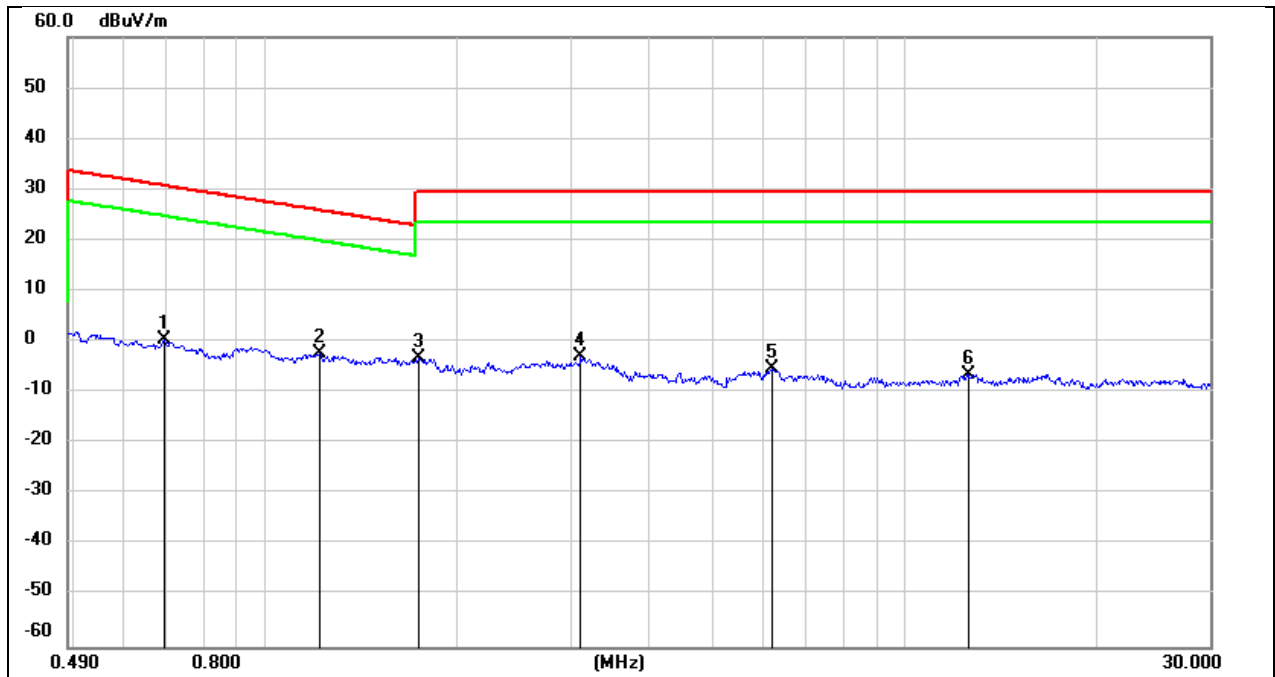
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	FCC Result (dBuV/m)	FCC Limit (dBuV/m)	Margin (dB)	Remark
1	0.0111	75.45	-101.39	-25.94	46.69	-72.63	peak
2	0.0212	70.54	-101.35	-30.81	41.07	-71.88	peak
3	0.0316	66.74	-101.40	-34.66	37.61	-72.27	peak
4	0.0475	63.94	-101.47	-37.53	34.07	-71.60	peak
5	0.0815	60.41	-101.65	-41.24	29.38	-70.62	peak
6	0.1097	58.47	-101.77	-43.30	26.80	-70.10	peak

Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 3.65V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	FCC Result (dBuV/m)	FCC Limit (dBuV/m)	Margin (dB)	Remark
1	0.1607	75.04	-101.65	-26.61	23.48	-50.09	peak
2	0.1800	73.62	-101.68	-28.06	22.50	-50.56	peak
3	0.2064	72.08	-101.73	-29.65	21.31	-50.96	peak
4	0.2525	68.01	-101.80	-33.79	19.56	-53.35	peak
5	0.3251	64.21	-101.88	-37.67	17.36	-55.03	peak
6	0.3600	63.51	-101.91	-38.40	16.48	-54.88	peak

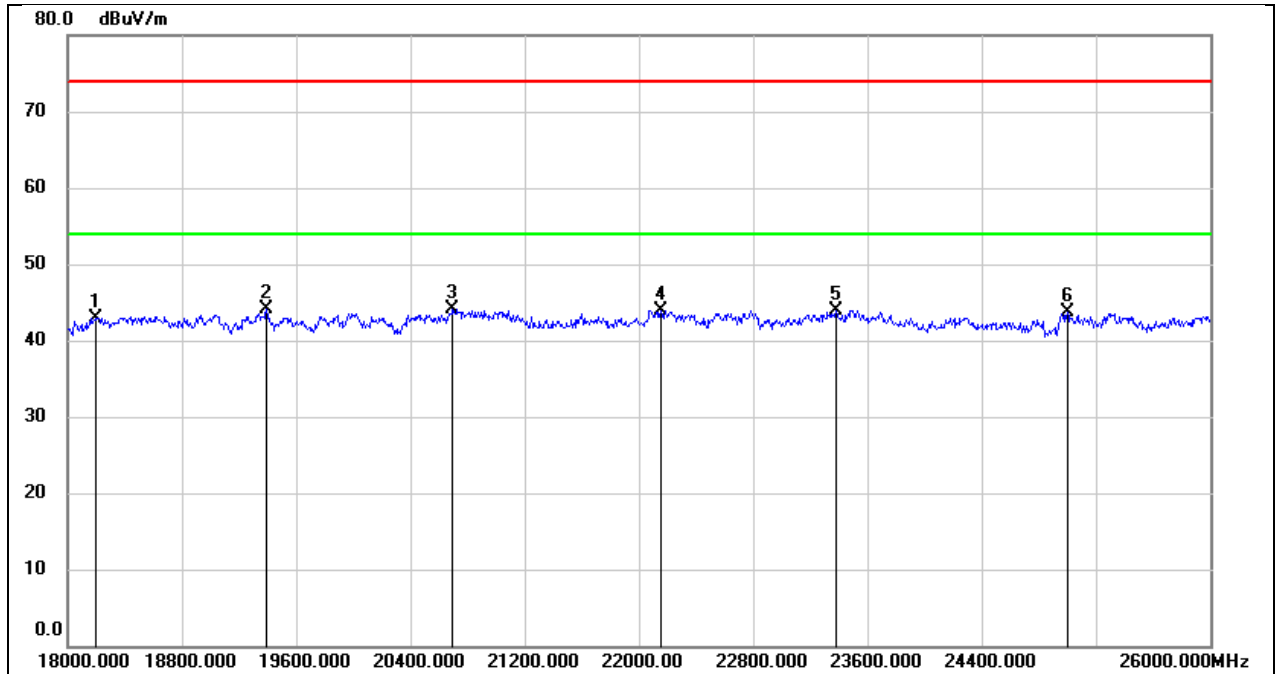
Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 3.65V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	FCC Result (dBuV/m)	FCC Limit (dBuV/m)	Margin (dB)	Remark
1	0.6965	62.55	-62.11	0.44	30.74	-30.30	peak
2	1.2157	59.97	-62.17	-2.20	25.91	-28.11	peak
3	1.7329	58.65	-61.94	-3.29	29.54	-32.83	peak
4	3.1164	58.57	-61.56	-2.99	29.54	-32.53	peak
5	6.1852	56.10	-61.33	-5.23	29.54	-34.77	peak
6	12.5891	54.58	-60.91	-6.33	29.54	-35.87	peak

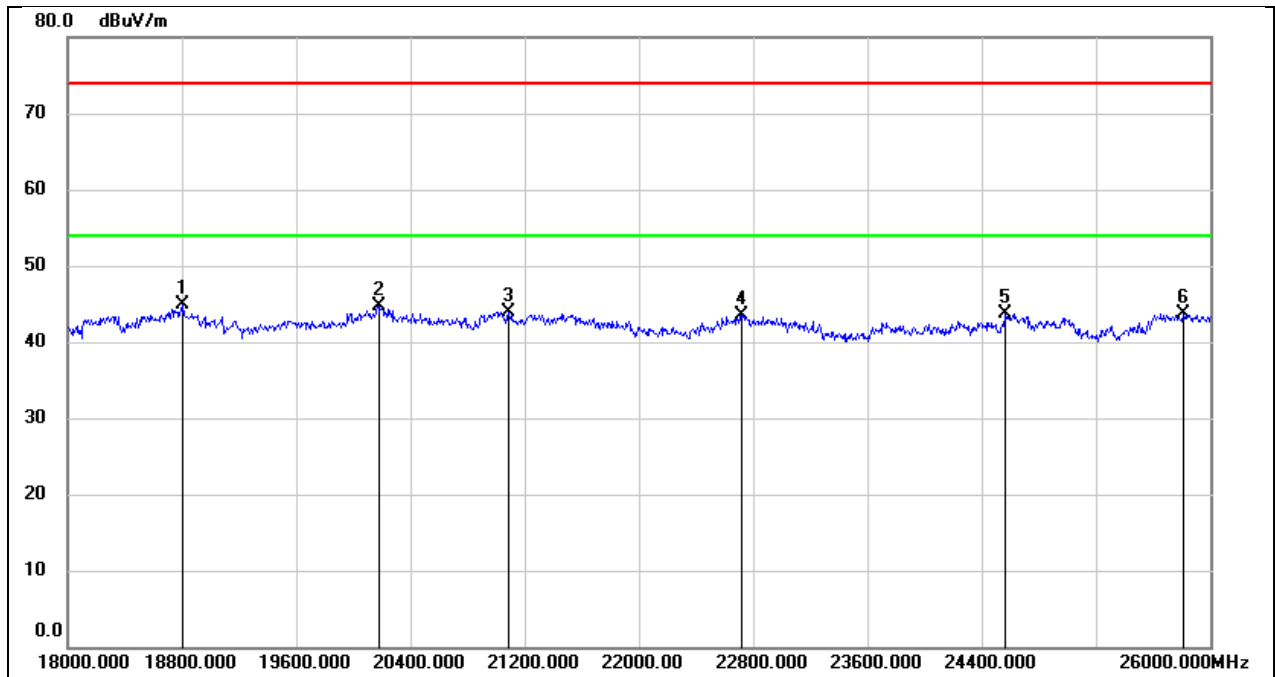
8.5. SPURIOUS EMISSIONS(18 GHZ~26 GHZ)

Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 3.65V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18192.000	48.48	-5.51	42.97	74.00	-31.03	peak
2	19392.000	49.62	-5.57	44.05	74.00	-29.95	peak
3	20696.000	49.21	-5.16	44.05	74.00	-29.95	peak
4	22152.000	48.22	-4.32	43.90	74.00	-30.10	peak
5	23384.000	47.19	-3.24	43.95	74.00	-30.05	peak
6	25000.000	45.86	-2.10	43.76	74.00	-30.24	peak

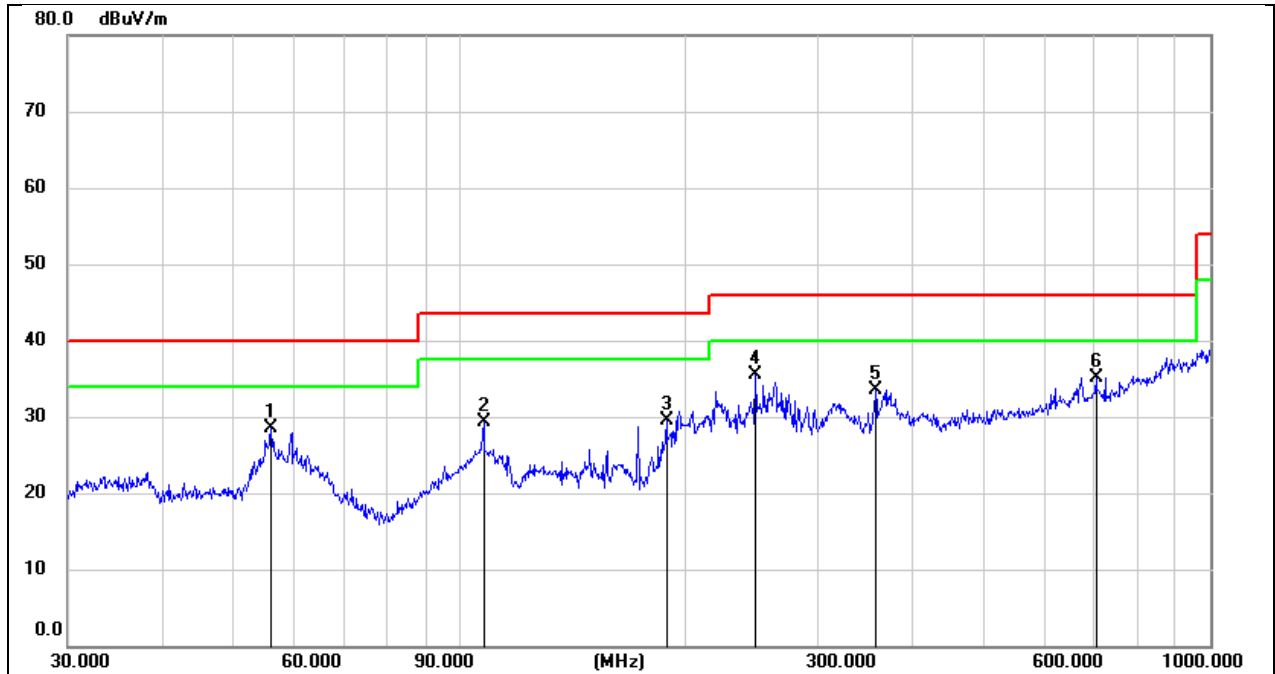
Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 3.65V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18808.000	50.25	-5.38	44.87	74.00	-29.13	peak
2	20176.000	50.21	-5.56	44.65	74.00	-29.35	peak
3	21088.000	48.78	-4.84	43.94	74.00	-30.06	peak
4	22720.000	47.23	-3.71	43.52	74.00	-30.48	peak
5	24568.000	46.10	-2.33	43.77	74.00	-30.23	peak
6	25816.000	44.41	-0.73	43.68	74.00	-30.32	peak

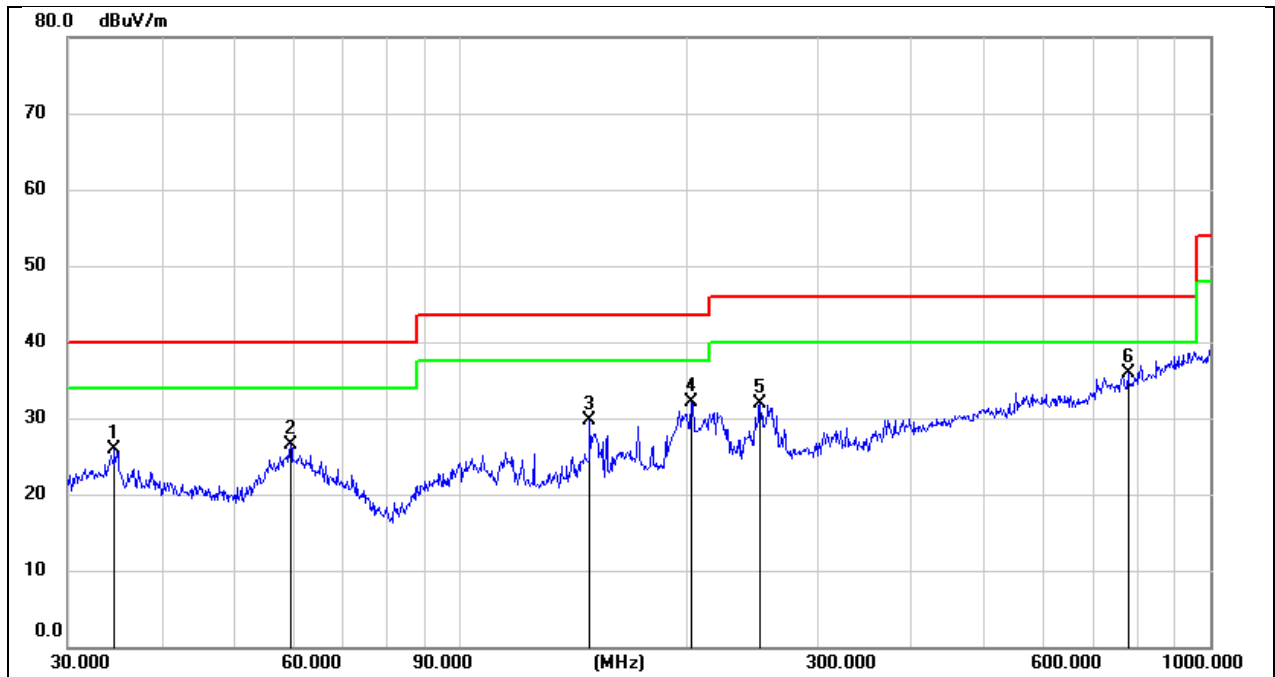
8.6. SPURIOUS EMISSIONS(30 MHZ~1 GHZ)

Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 3.65V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	56.0007	34.99	-6.52	28.47	40.00	-11.53	QP
2	107.5100	33.80	-4.49	29.31	43.50	-14.19	QP
3	188.4122	36.69	-7.27	29.42	43.50	-14.08	QP
4	247.6818	38.68	-3.09	35.59	46.00	-10.41	QP
5	357.9286	34.03	-0.45	33.58	46.00	-12.42	QP
6	704.2259	29.27	5.87	35.14	46.00	-10.86	QP

Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 3.65V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	34.6385	32.99	-7.03	25.96	40.00	-14.04	QP
2	59.4405	31.50	-5.04	26.46	40.00	-13.54	QP
3	148.9624	39.53	-9.86	29.67	43.50	-13.83	QP
4	203.5226	36.40	-4.27	32.13	43.50	-11.37	QP
5	251.1802	34.99	-3.00	31.99	46.00	-14.01	QP
6	776.8777	29.16	6.66	35.82	46.00	-10.18	QP

9. ANTENNA REQUIREMENT

REQUIREMENT

Please refer to FCC part 15.203

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

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

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

DESCRIPTION

Pass

10. AC POWER LINE CONDUCTED EMISSION

LIMITS

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

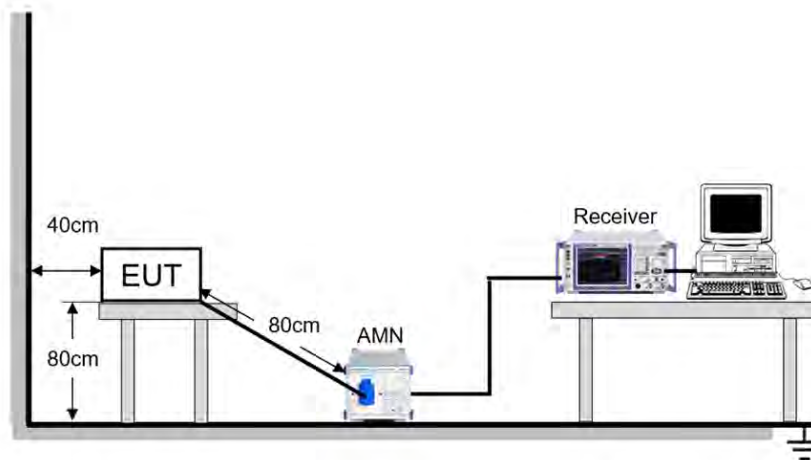
FREQUENCY (MHz)	Quasi-peak	Average
0.15 -0.5	66 - 56 *	56 - 46 *
0.50 -5.0	56.00	46.00
5.0 -30.0	60.00	50.00

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 C63.10-2013. 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

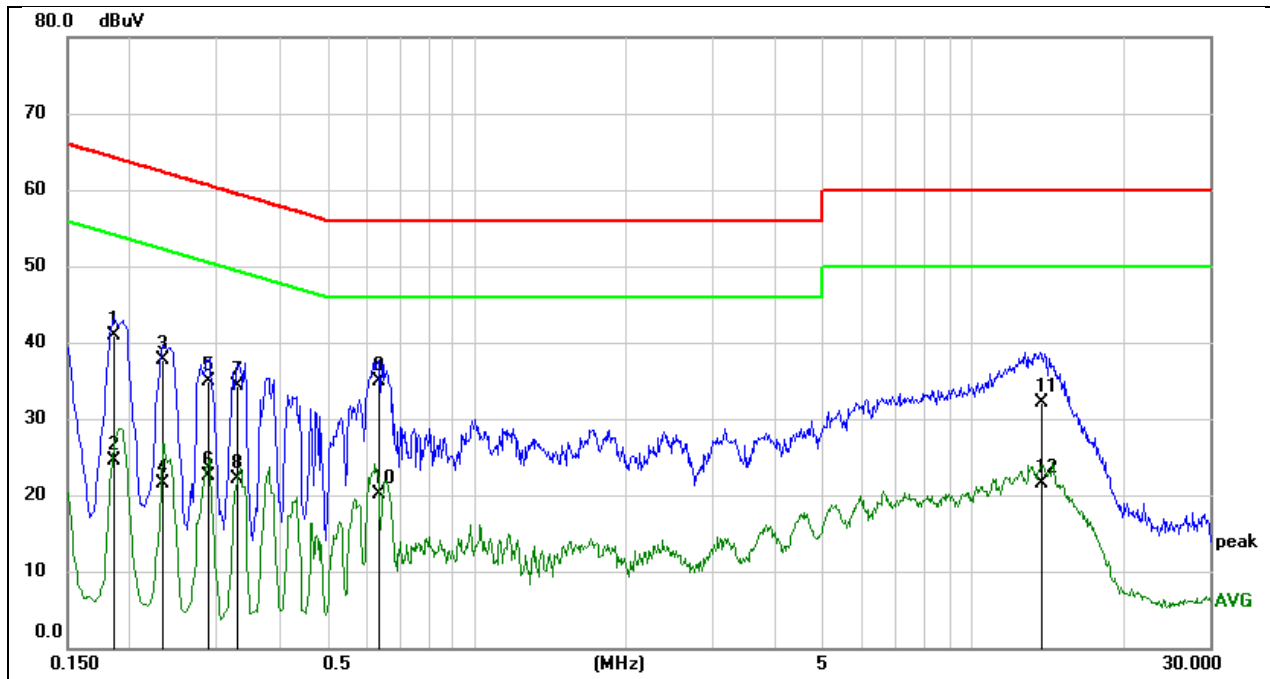
Temperature	21.8°C	Relative Humidity	63.2%
Atmosphere Pressure	101kPa	Test Voltage	AC 120V 60Hz

TEST DATE / ENGINEER

Test Date	February 14, 2025	Test By	Johnson Liu
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TEST RESULTS

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



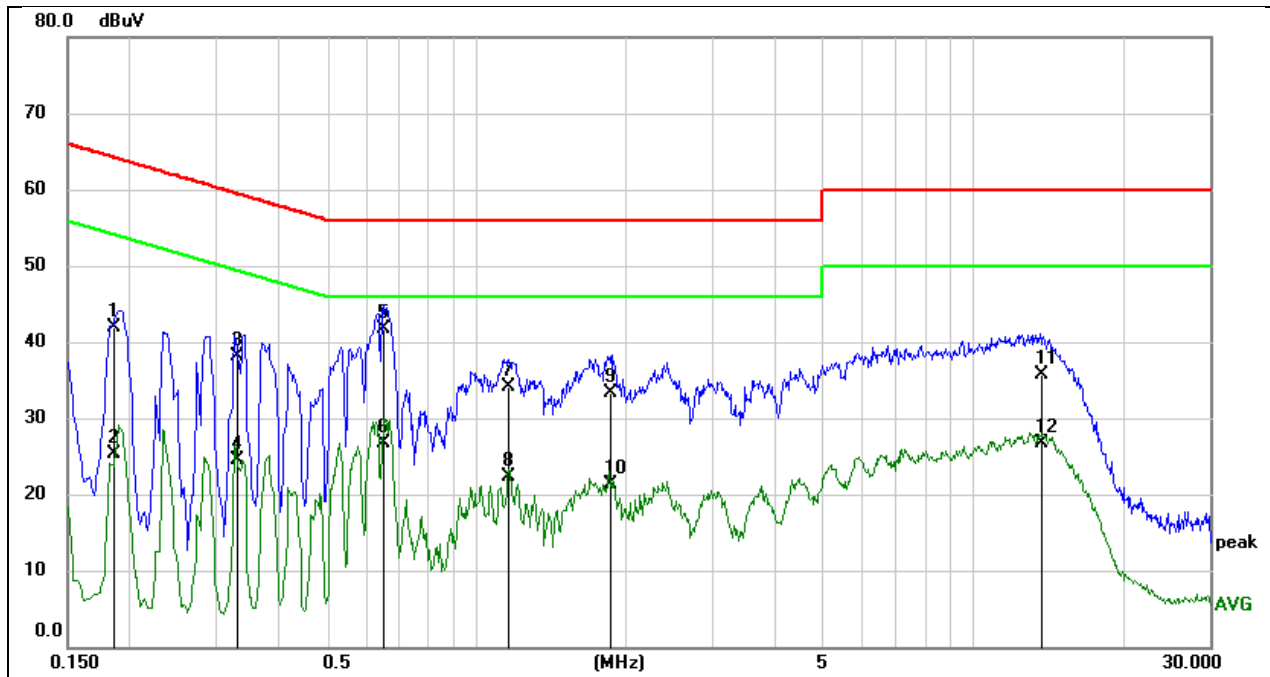
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1850	31.17	9.67	40.84	64.26	-23.42	QP
2	0.1850	14.88	9.67	24.55	54.26	-29.71	AVG
3	0.2320	27.98	9.64	37.62	62.38	-24.76	QP
4	0.2320	11.96	9.64	21.60	52.38	-30.78	AVG
5	0.2877	25.31	9.64	34.95	60.59	-25.64	QP
6	0.2877	12.87	9.64	22.51	50.59	-28.08	AVG
7	0.3308	24.67	9.64	34.31	59.43	-25.12	QP
8	0.3308	12.45	9.64	22.09	49.43	-27.34	AVG
9	0.6346	25.25	9.63	34.88	56.00	-21.12	QP
10	0.6346	10.53	9.63	20.16	46.00	-25.84	AVG
11	13.7044	22.44	9.74	32.18	60.00	-27.82	QP
12	13.7044	11.86	9.74	21.60	50.00	-28.40	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	0.1858	32.18	9.67	41.85	64.22	-22.37	QP
2	0.1858	15.65	9.67	25.32	54.22	-28.90	AVG
3	0.3305	28.40	9.64	38.04	59.44	-21.40	QP
4	0.3305	14.91	9.64	24.55	49.44	-24.89	AVG
5	0.6483	32.12	9.63	41.75	56.00	-14.25	QP
6	0.6483	17.02	9.63	26.65	46.00	-19.35	AVG
7	1.1642	24.51	9.65	34.16	56.00	-21.84	QP
8	1.1642	12.74	9.65	22.39	46.00	-23.61	AVG
9	1.8502	23.65	9.72	33.37	56.00	-22.63	QP
10	1.8502	11.62	9.72	21.34	46.00	-24.66	AVG
11	13.7441	25.88	9.74	35.62	60.00	-24.38	QP
12	13.7441	16.95	9.74	26.69	50.00	-23.31	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:DUTY CYCLE

Mode	Frequency (MHz)	On Time (ms)	Period (ms)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)	Final setting For VBW (kHz)
b	2412	1.024	1.317	0.7775	77.75	1.09	3
g	2412	0.164	0.275	0.5964	59.64	2.24	3
n20	2412	0.169	0.252	0.6706	67.06	1.74	3
ax20	2412	0.149	0.287	0.5192	51.92	2.85	3

Note:

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

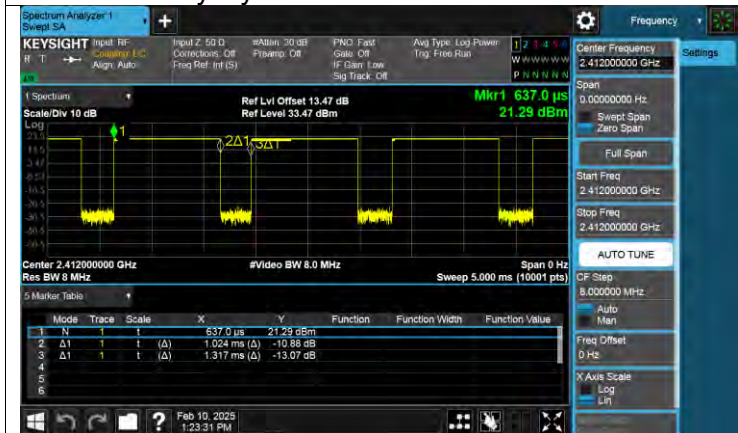
Where: x is Duty Cycle (Linear)

Where: T is On Time

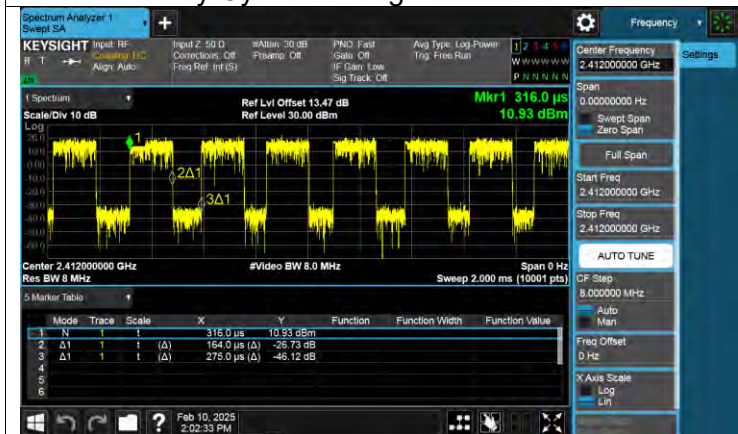
If that calculated VBW is not available on the analyzer then the next higher value should be used.

Test Graphs

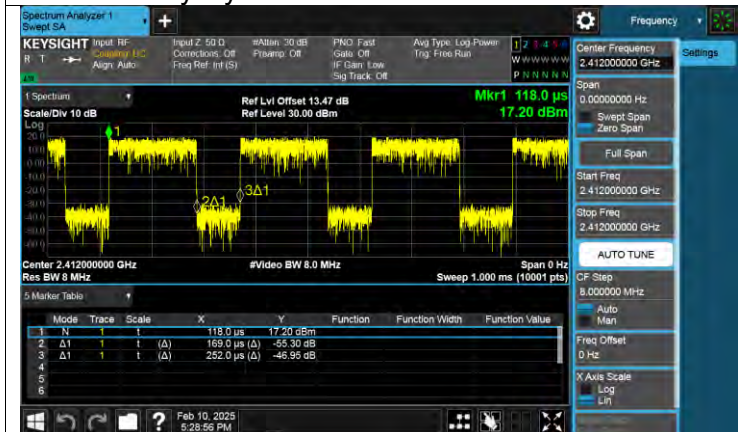
Duty Cycle NVNT b 2412MHz Ant1

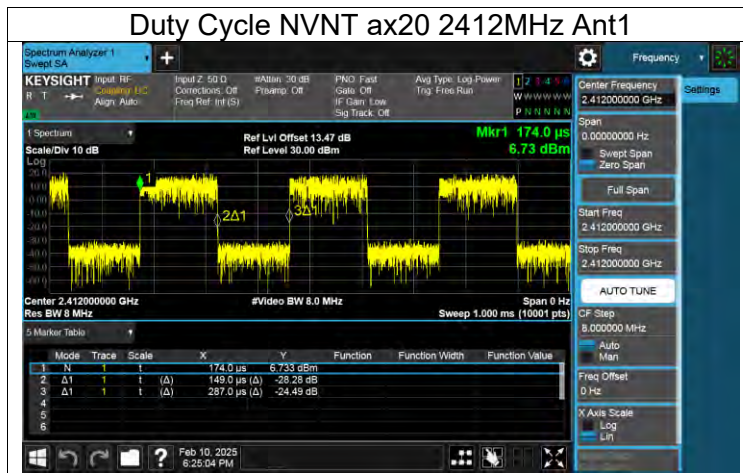


Duty Cycle NVNT g 2412MHz Ant1



Duty Cycle NVNT n20 2412MHz Ant1





11.2. APPENDIX B: MAXIMUM CONDUCTED OUTPUT POWER

Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
b	2412	Ant1	18.64	30	Pass
b	2437	Ant1	21.32	30	Pass
b	2462	Ant1	21.46	30	Pass
g	2412	Ant1	15.22	30	Pass
g	2417	Ant1	20.11	30	Pass
g	2437	Ant1	21.38	30	Pass
g	2447	Ant1	21.51	30	Pass
g	2452	Ant1	19.56	30	Pass
g	2457	Ant1	19.3	30	Pass
g	2462	Ant1	16.68	30	Pass
n20	2412	Ant1	15.85	30	Pass
n20	2417	Ant1	18.14	30	Pass
n20	2437	Ant1	20.8	30	Pass
n20	2452	Ant1	21.44	30	Pass
n20	2457	Ant1	18.55	30	Pass
n20	2462	Ant1	17.47	30	Pass
ax20	2412	Ant1	13.85	30	Pass
ax20	2417	Ant1	19.87	30	Pass
ax20	2437	Ant1	21.98	30	Pass
ax20	2447	Ant1	20.53	30	Pass
ax20	2452	Ant1	19.79	30	Pass
ax20	2457	Ant1	17.73	30	Pass
ax20	2462	Ant1	15.83	30	Pass

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

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

11.3. APPENDIX C:-6DB BANDWIDTH

Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
b	2412	Ant1	7.592	≥ 0.5	Pass
b	2437	Ant1	7.568	≥ 0.5	Pass
b	2462	Ant1	7.081	≥ 0.5	Pass
g	2412	Ant1	16.285	≥ 0.5	Pass
g	2417	Ant1	15.946	≥ 0.5	Pass
g	2437	Ant1	16.015	≥ 0.5	Pass
g	2447	Ant1	15.912	≥ 0.5	Pass
g	2452	Ant1	16.268	≥ 0.5	Pass
g	2457	Ant1	16.321	≥ 0.5	Pass
g	2462	Ant1	16.072	≥ 0.5	Pass
n20	2412	Ant1	16.885	≥ 0.5	Pass
n20	2417	Ant1	17.188	≥ 0.5	Pass
n20	2437	Ant1	17.211	≥ 0.5	Pass
n20	2452	Ant1	17.164	≥ 0.5	Pass
n20	2457	Ant1	16.864	≥ 0.5	Pass
n20	2462	Ant1	16.31	≥ 0.5	Pass
ax20	2412	Ant1	18.196	≥ 0.5	Pass
ax20	2417	Ant1	18.459	≥ 0.5	Pass
ax20	2437	Ant1	18.229	≥ 0.5	Pass
ax20	2447	Ant1	18.331	≥ 0.5	Pass
ax20	2452	Ant1	18.309	≥ 0.5	Pass
ax20	2457	Ant1	18.176	≥ 0.5	Pass
ax20	2462	Ant1	18.212	≥ 0.5	Pass

Test Graphs

-6dB Bandwidth NVNT b 2412MHz Ant1

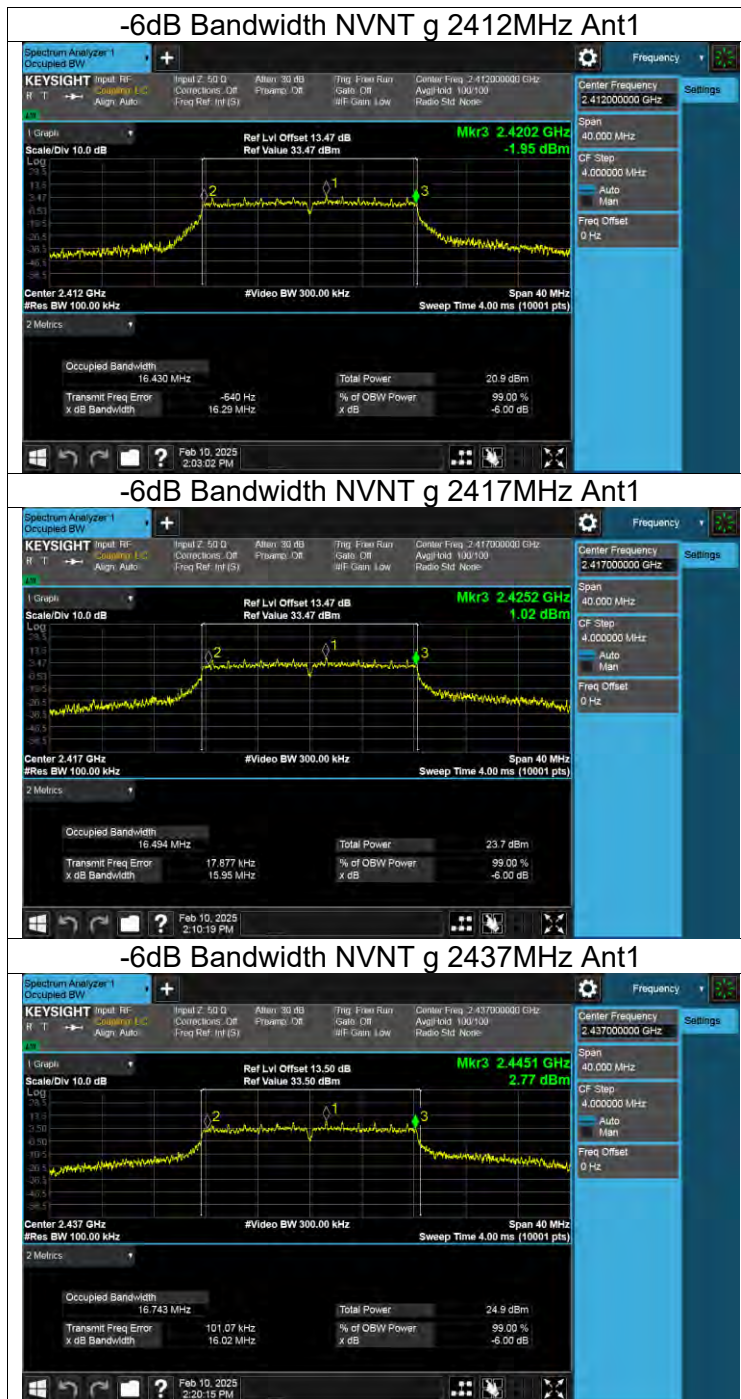


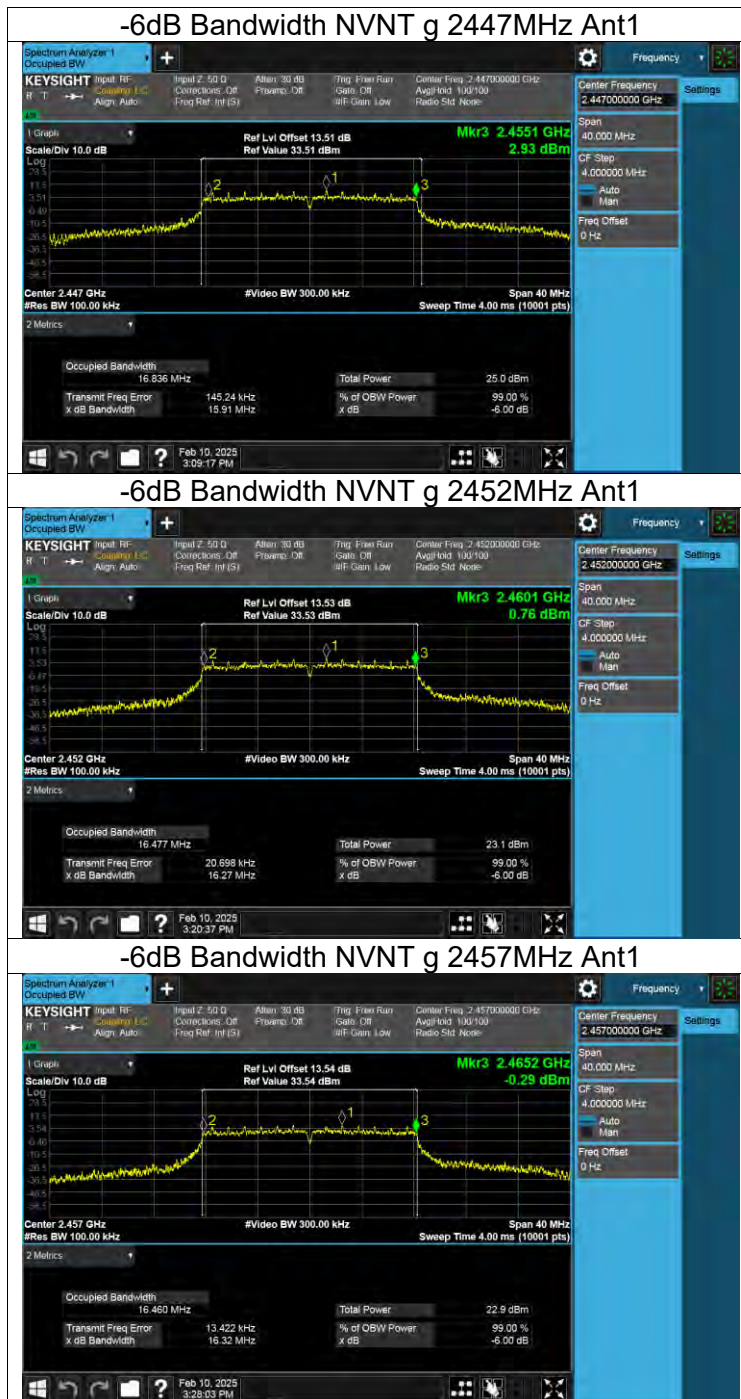
-6dB Bandwidth NVNT b 2437MHz Ant1

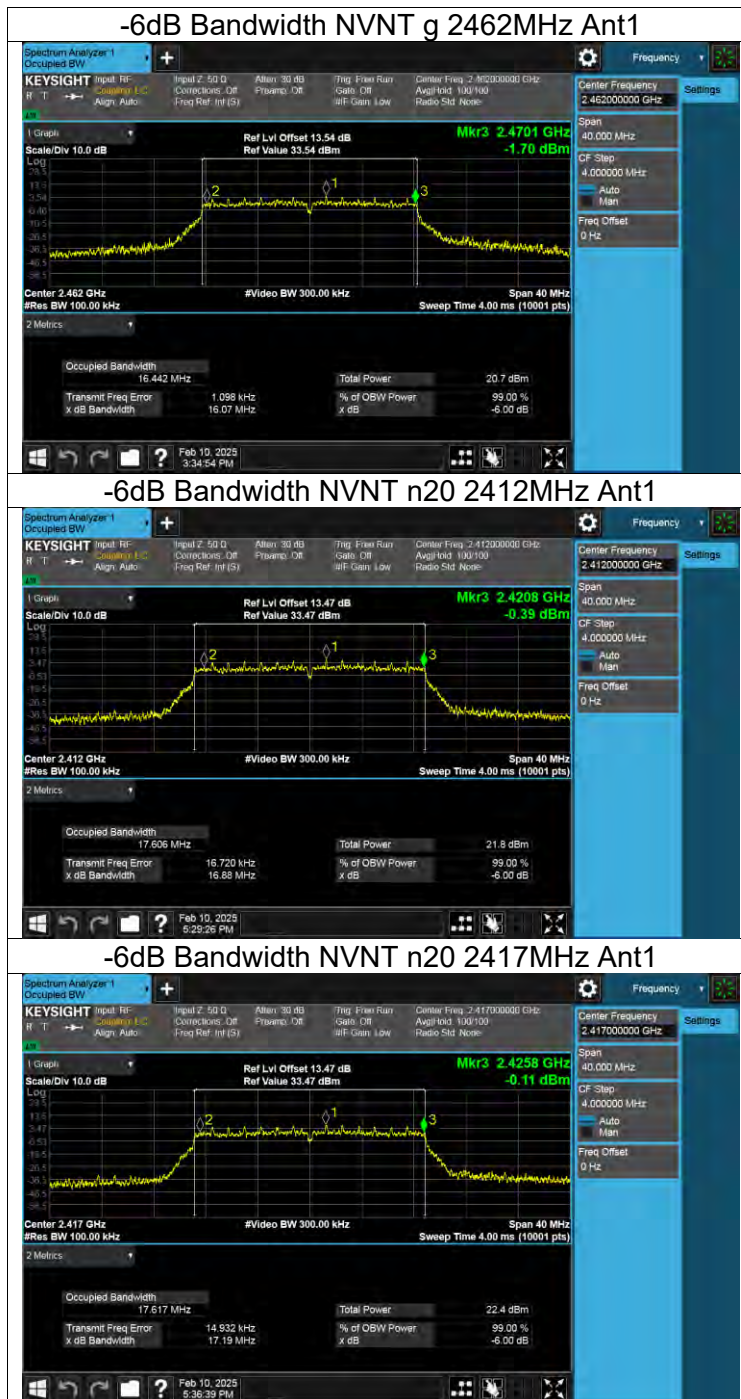


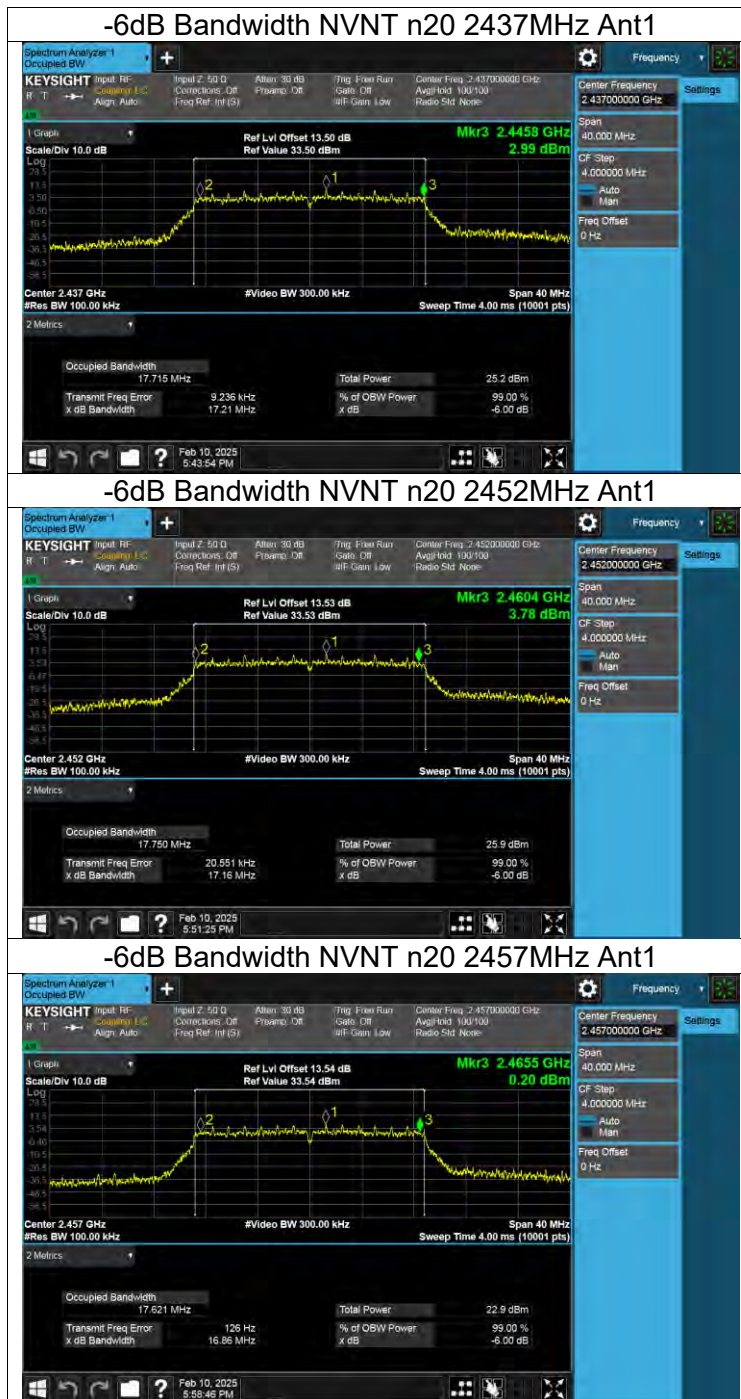
-6dB Bandwidth NVNT b 2462MHz Ant1

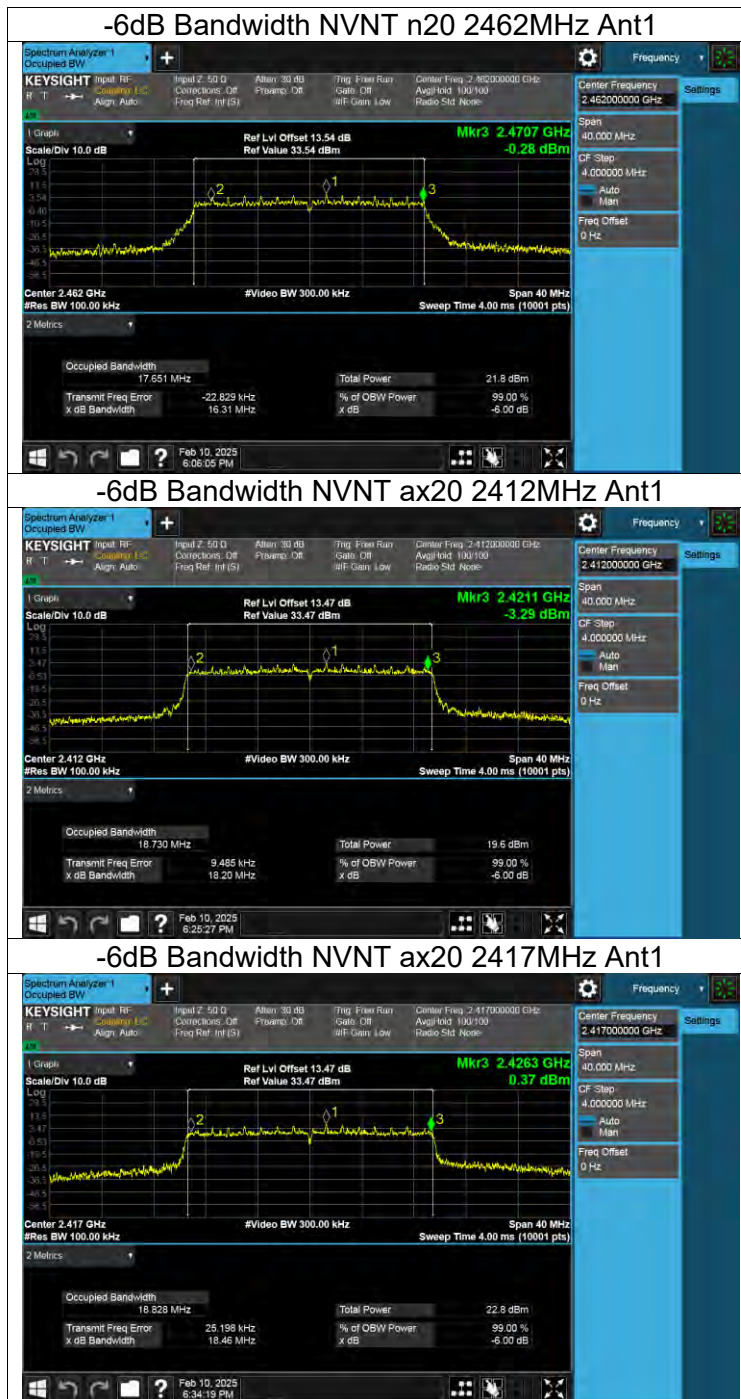


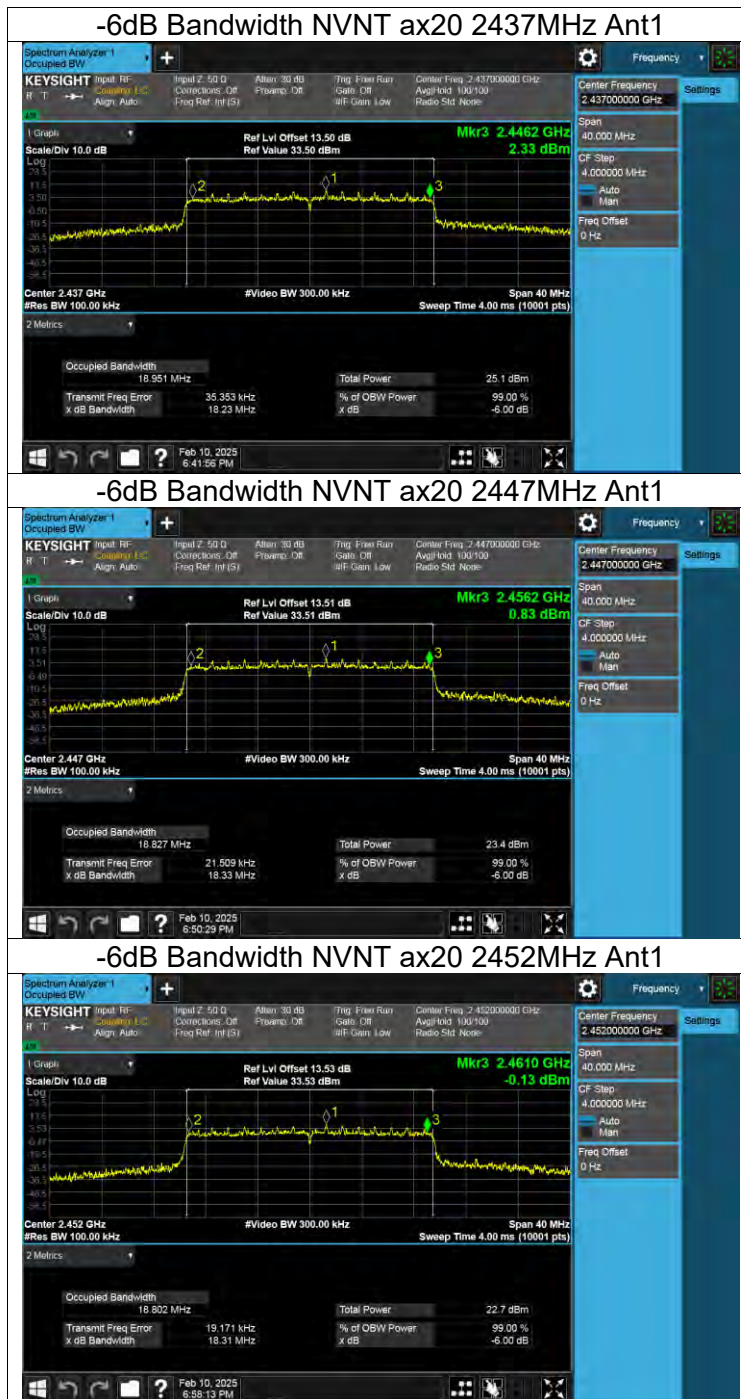


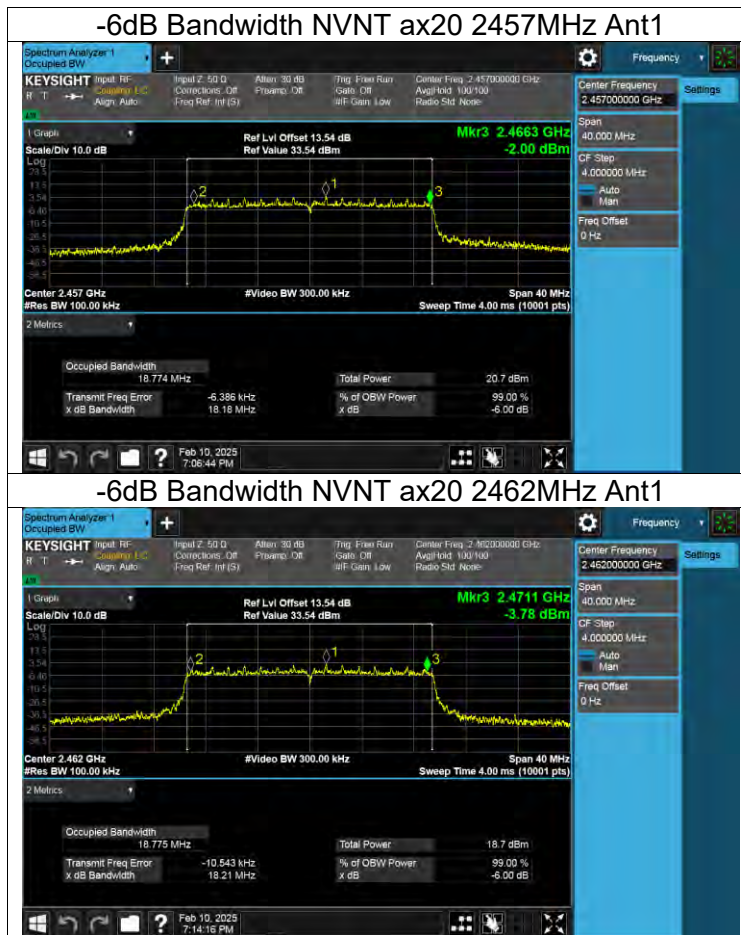












11.4. APPENDIX D:OCCUPIED CHANNEL BANDWIDTH

Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
b	2412	Ant1	13.26
b	2437	Ant1	13.526
b	2462	Ant1	13.708
g	2412	Ant1	16.531
g	2417	Ant1	16.662
g	2437	Ant1	16.895
g	2447	Ant1	17.051
g	2452	Ant1	16.617
g	2457	Ant1	16.603
g	2462	Ant1	16.54
n20	2412	Ant1	17.659
n20	2417	Ant1	17.671
n20	2437	Ant1	17.75
n20	2452	Ant1	17.845
n20	2457	Ant1	17.693
n20	2462	Ant1	17.637
ax20	2412	Ant1	18.708
ax20	2417	Ant1	18.845
ax20	2437	Ant1	18.936
ax20	2447	Ant1	18.863
ax20	2452	Ant1	18.808
ax20	2457	Ant1	18.795
ax20	2462	Ant1	18.813

Test Graphs

OBW NVNT b 2412MHz Ant1



OBW NVNT b 2437MHz Ant1



OBW NVNT b 2462MHz Ant1



OBW NVNT g 2412MHz Ant1



OBW NVNT g 2417MHz Ant1



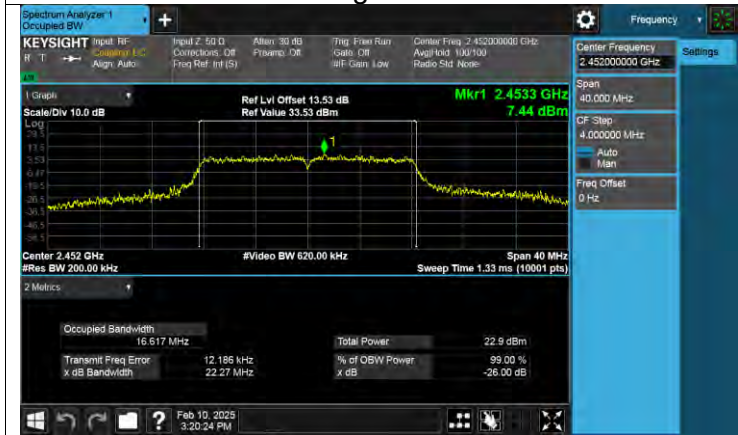
OBW NVNT g 2437MHz Ant1



OBW NVNT g 2447MHz Ant1



OBW NVNT g 2452MHz Ant1



OBW NVNT g 2457MHz Ant1



OBW NVNT g 2462MHz Ant1

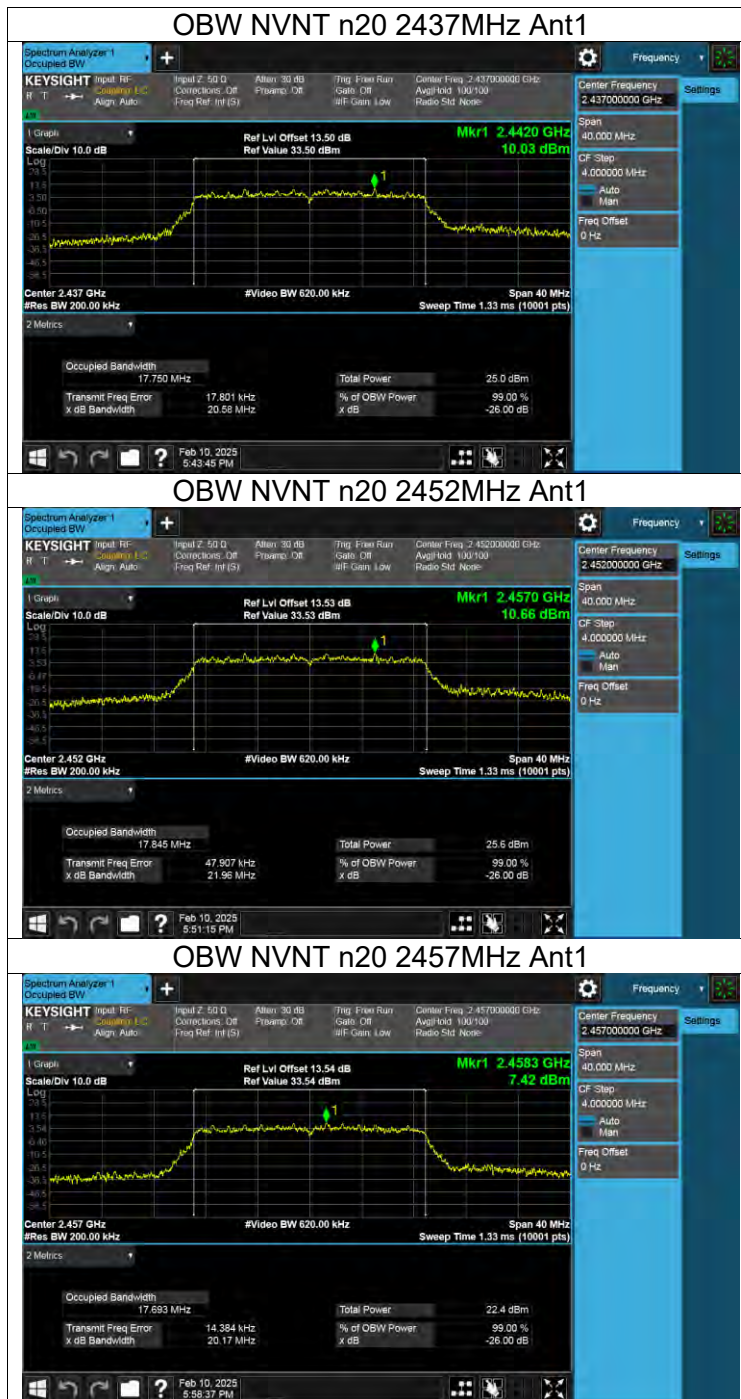


OBW NVNT n20 2412MHz Ant1



OBW NVNT n20 2417MHz Ant1

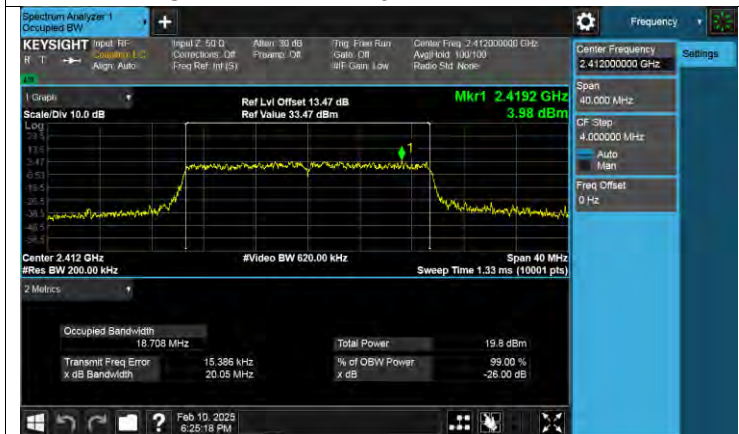




OBW NVNT n20 2462MHz Ant1

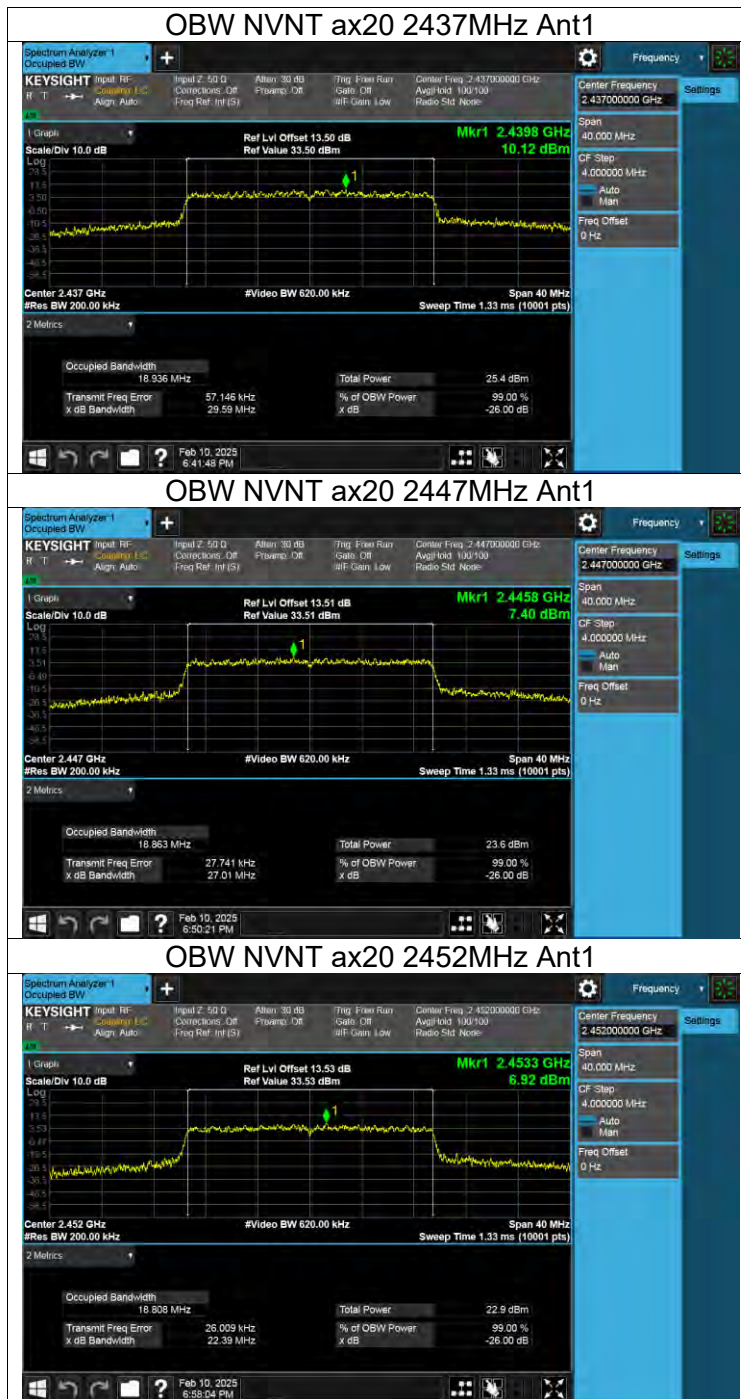


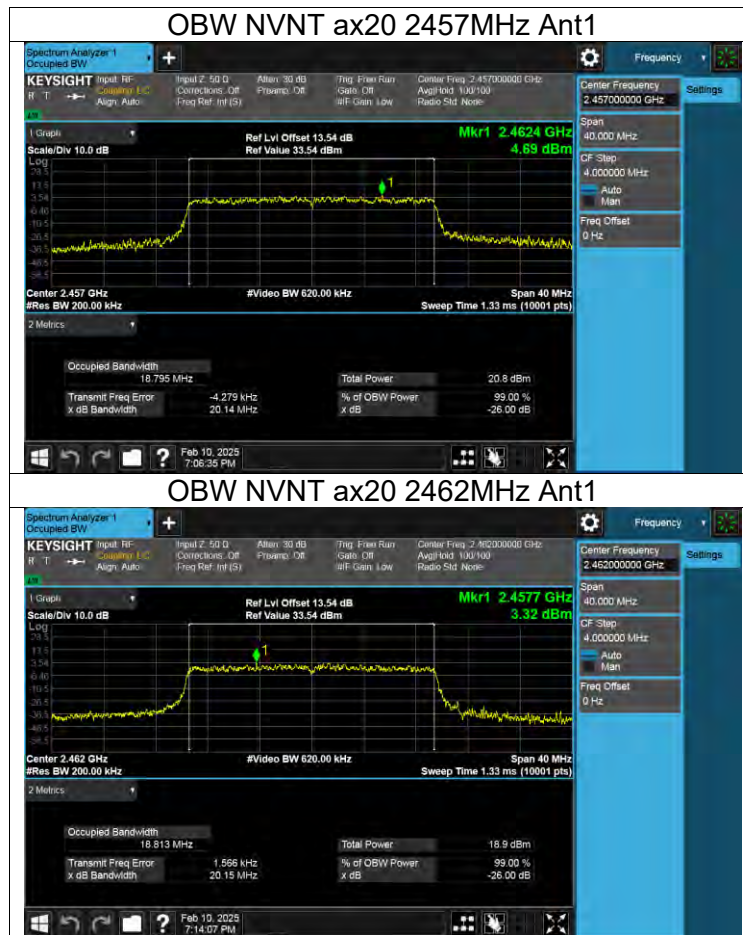
OBW NVNT ax20 2412MHz Ant1



OBW NVNT ax20 2417MHz Ant1



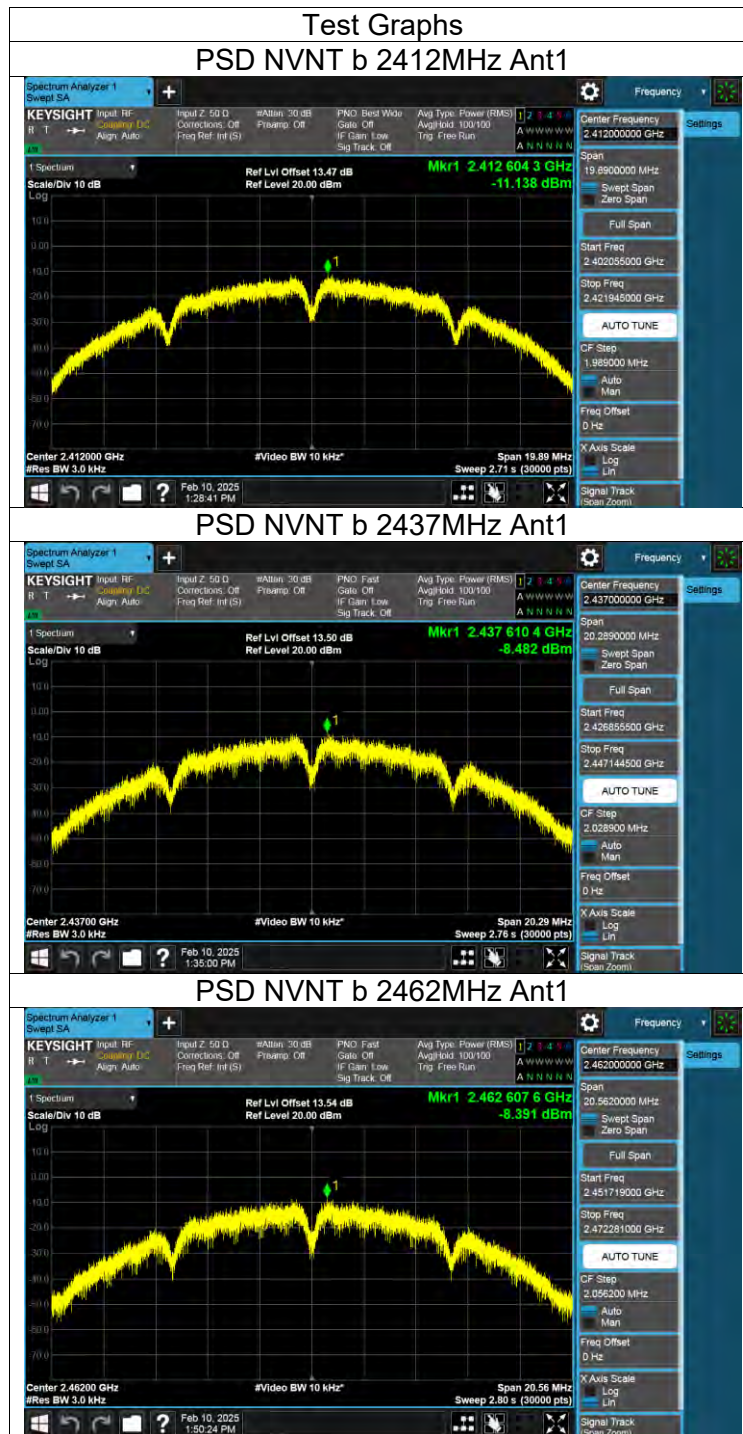




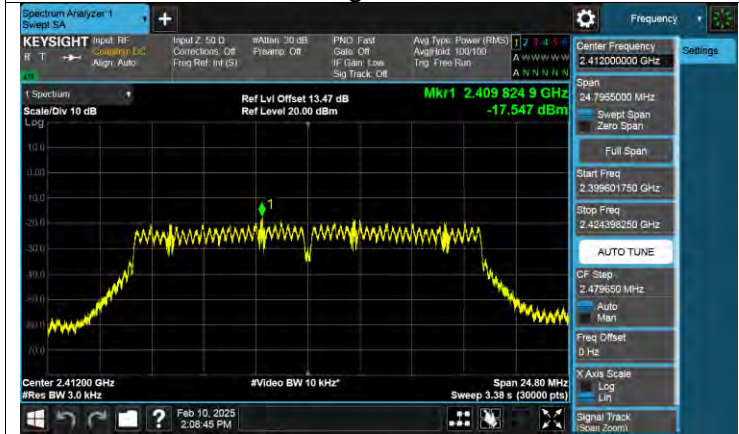
11.5. APPENDIX E: MAXIMUM POWER SPECTRAL DENSITY LEVEL

Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
b	2412	Ant1	-10.05	≤8	Pass
b	2437	Ant1	-7.39	≤8	Pass
b	2462	Ant1	-7.3	≤8	Pass
g	2412	Ant1	-15.31	≤8	Pass
g	2417	Ant1	-13.42	≤8	Pass
g	2437	Ant1	-11.73	≤8	Pass
g	2447	Ant1	-11.98	≤8	Pass
g	2452	Ant1	-13.73	≤8	Pass
g	2457	Ant1	-13.98	≤8	Pass
g	2462	Ant1	-16.01	≤8	Pass
n20	2412	Ant1	-14.99	≤8	Pass
n20	2417	Ant1	-14.02	≤8	Pass
n20	2437	Ant1	-11.87	≤8	Pass
n20	2452	Ant1	-10.99	≤8	Pass
n20	2457	Ant1	-14.05	≤8	Pass
n20	2462	Ant1	-14.78	≤8	Pass
ax20	2412	Ant1	-16.28	≤8	Pass
ax20	2417	Ant1	-12.82	≤8	Pass
ax20	2437	Ant1	-10.7	≤8	Pass
ax20	2447	Ant1	-12.2	≤8	Pass
ax20	2452	Ant1	-12.74	≤8	Pass
ax20	2457	Ant1	-15.05	≤8	Pass
ax20	2462	Ant1	-16.59	≤8	Pass

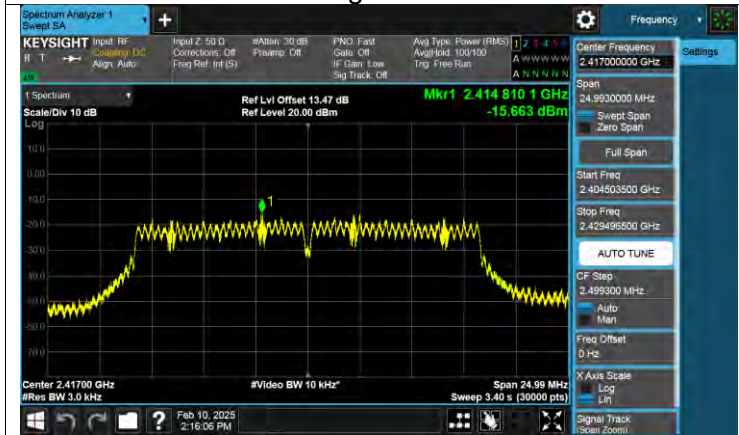
Note: 1. The Duty Cycle Factor (refer to section 7.5) had already compensated to the test data.



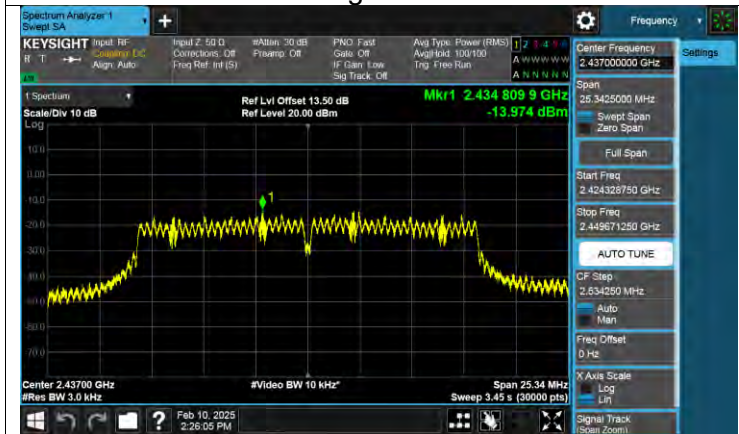
PSD NVNT g 2412MHz Ant1



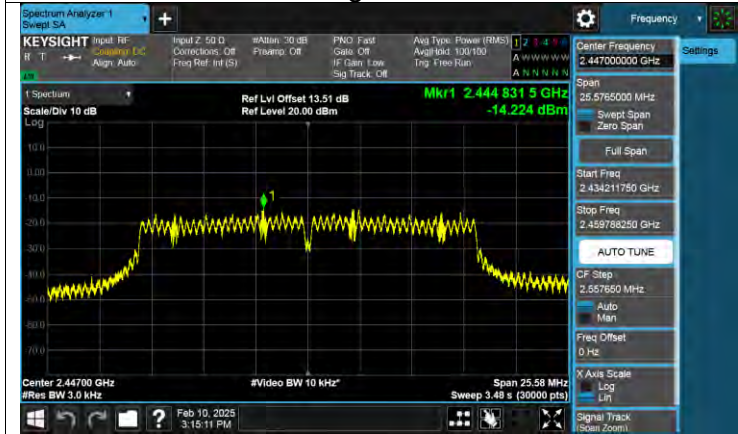
PSD NVNT g 2417MHz Ant1



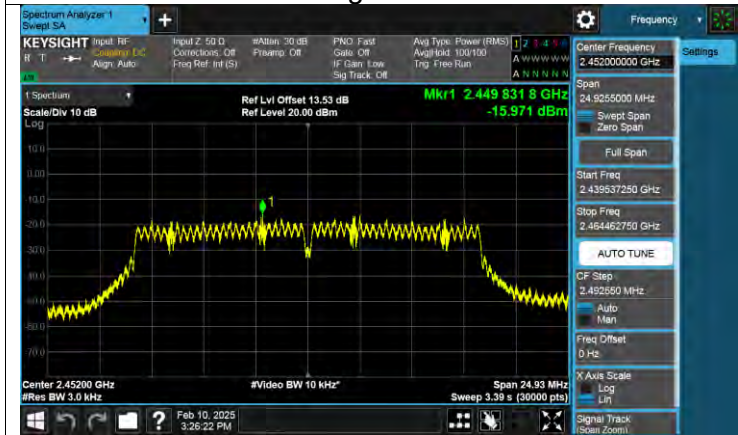
PSD NVNT g 2437MHz Ant1



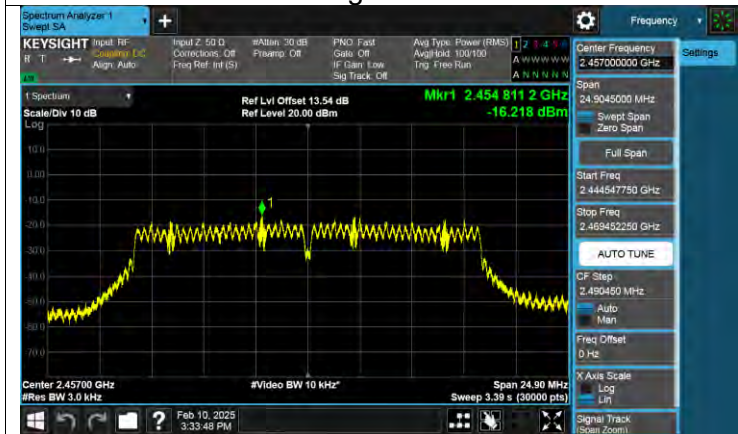
PSD NVNT g 2447MHz Ant1



PSD NVNT g 2452MHz Ant1



PSD NVNT g 2457MHz Ant1



PSD NVNT g 2462MHz Ant1

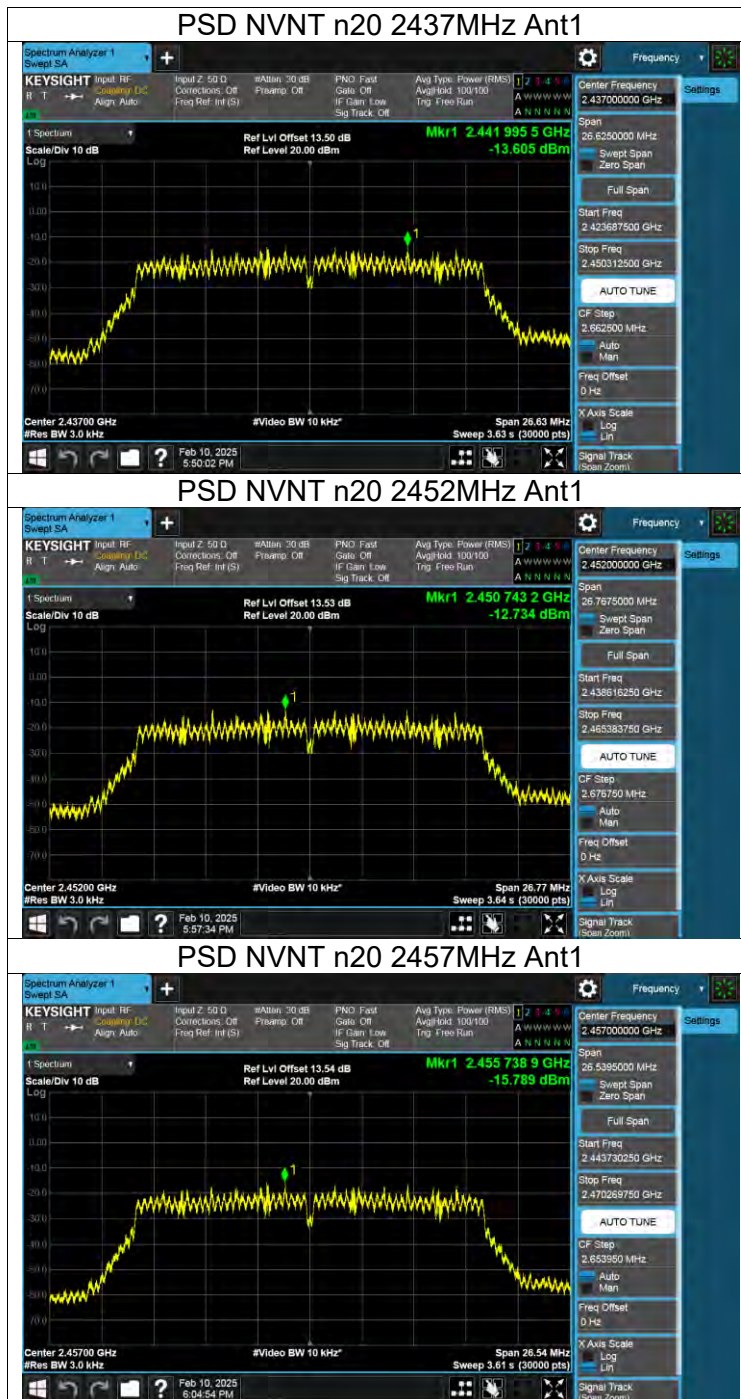


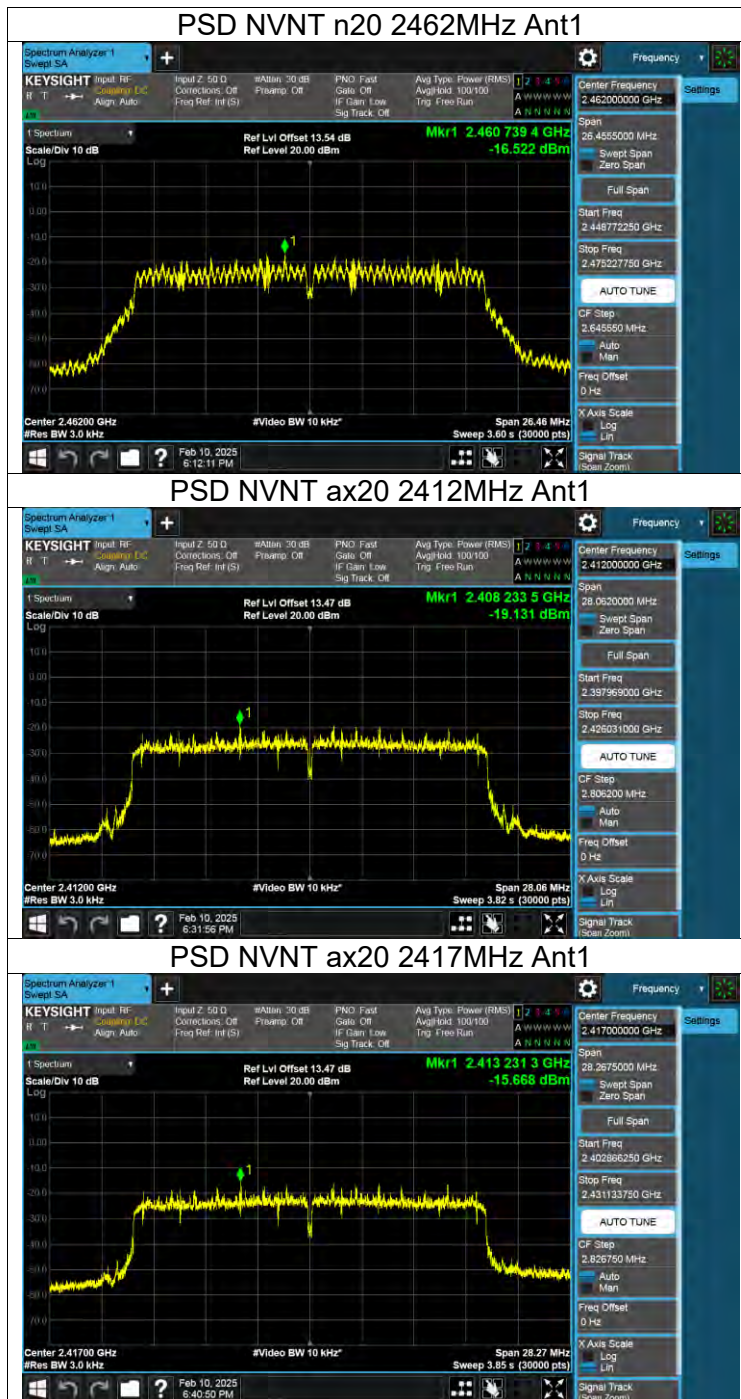
PSD NVNT n20 2412MHz Ant1

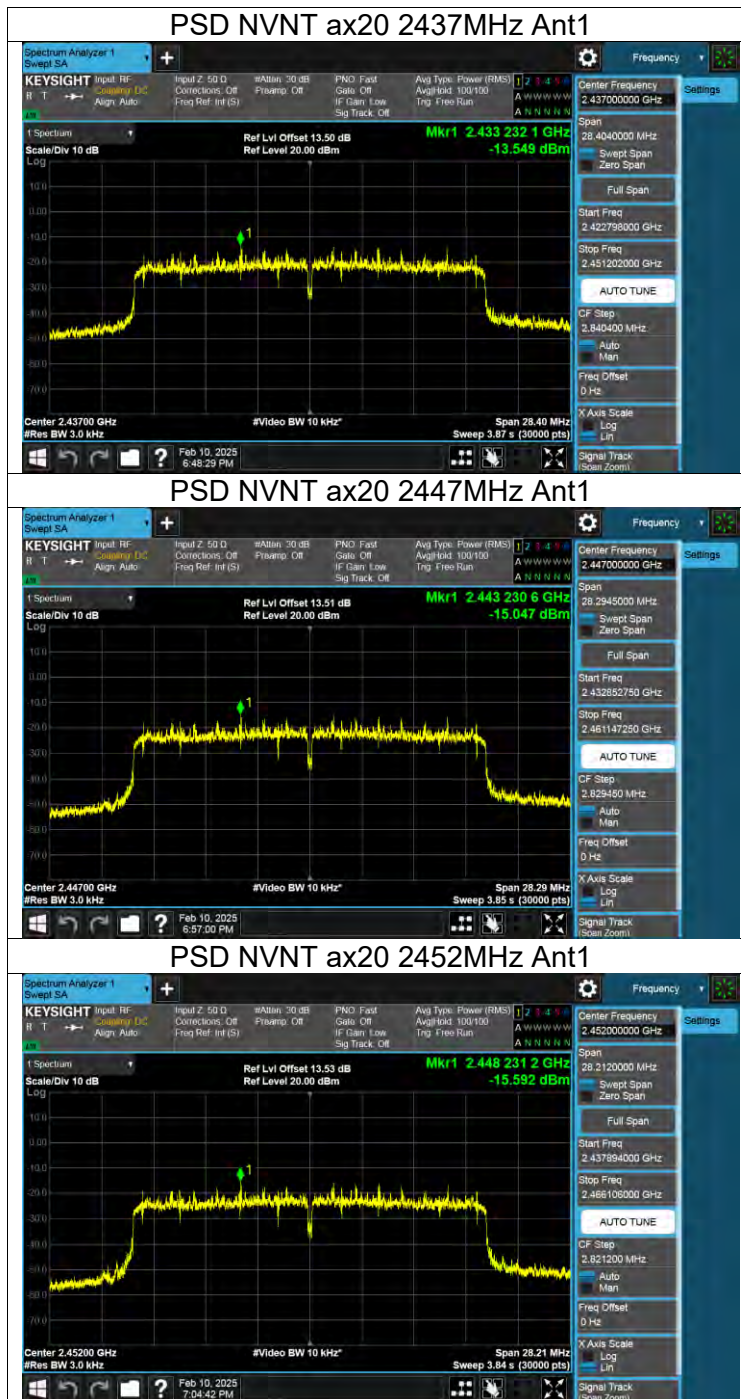


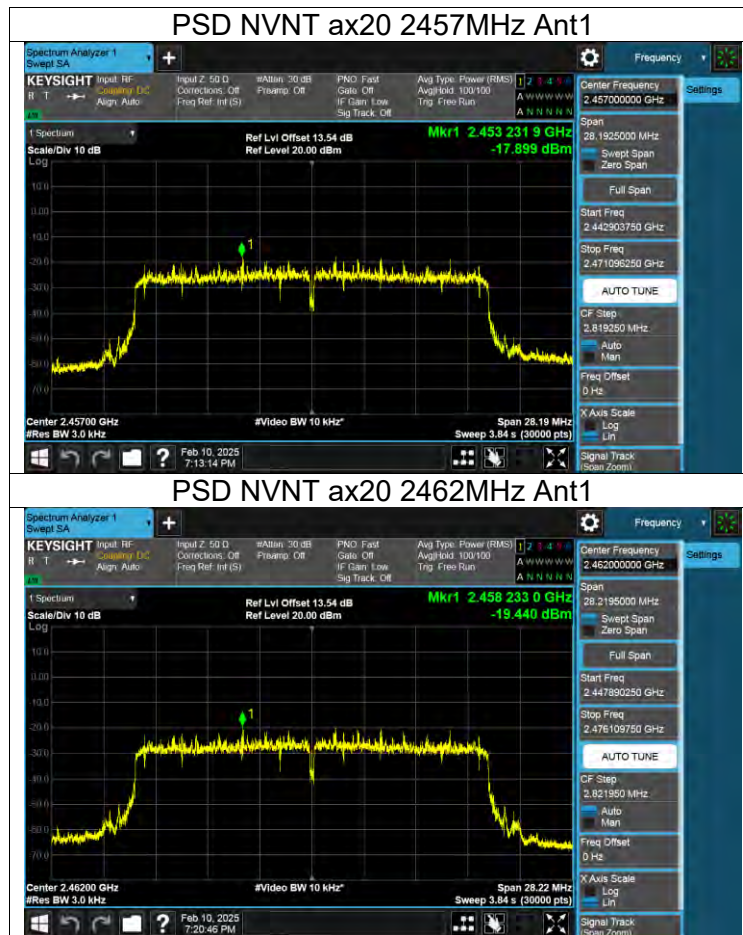
PSD NVNT n20 2417MHz Ant1











11.6. APPENDIX F: BAND EDGE

Mode	Frequency (MHz)	Antenna	Verdict
b	2412	Ant1	Pass
b	2462	Ant1	Pass
g	2412	Ant1	Pass
g	2417	Ant1	Pass
g	2447	Ant1	Pass
g	2452	Ant1	Pass
g	2457	Ant1	Pass
g	2462	Ant1	Pass
n20	2412	Ant1	Pass
n20	2417	Ant1	Pass
n20	2452	Ant1	Pass
n20	2457	Ant1	Pass
n20	2462	Ant1	Pass
ax20	2412	Ant1	Pass
ax20	2417	Ant1	Pass
ax20	2447	Ant1	Pass
ax20	2452	Ant1	Pass
ax20	2457	Ant1	Pass
ax20	2462	Ant1	Pass

Test Graphs

Band Edge NVNT b 2412MHz Ant1 Ref



Band Edge NVNT b 2412MHz Ant1 Emission



Band Edge NVNT b 2462MHz Ant1 Ref



Band Edge NVNT b 2462MHz Ant1 Emission



Band Edge NVNT g 2412MHz Ant1 Ref



Band Edge NVNT g 2412MHz Ant1 Emission



Band Edge NVNT g 2417MHz Ant1 Ref



Band Edge NVNT g 2417MHz Ant1 Emission



Band Edge NVNT g 2447MHz Ant1 Ref



Band Edge NVNT g 2447MHz Ant1 Emission



Band Edge NVNT g 2452MHz Ant1 Ref



Band Edge NVNT g 2452MHz Ant1 Emission



Band Edge NVNT g 2457MHz Ant1 Ref



Band Edge NVNT g 2457MHz Ant1 Emission



Band Edge NVNT g 2462MHz Ant1 Ref



Band Edge NVNT g 2462MHz Ant1 Emission



Band Edge NVNT n20 2412MHz Ant1 Ref



Band Edge NVNT n20 2412MHz Ant1 Emission



Band Edge NVNT n20 2417MHz Ant1 Ref



Band Edge NVNT n20 2417MHz Ant1 Emission



Band Edge NVNT n20 2452MHz Ant1 Ref



Band Edge NVNT n20 2452MHz Ant1 Emission



Band Edge NVNT n20 2457MHz Ant1 Ref



Band Edge NVNT n20 2457MHz Ant1 Emission



Band Edge NVNT n20 2462MHz Ant1 Ref

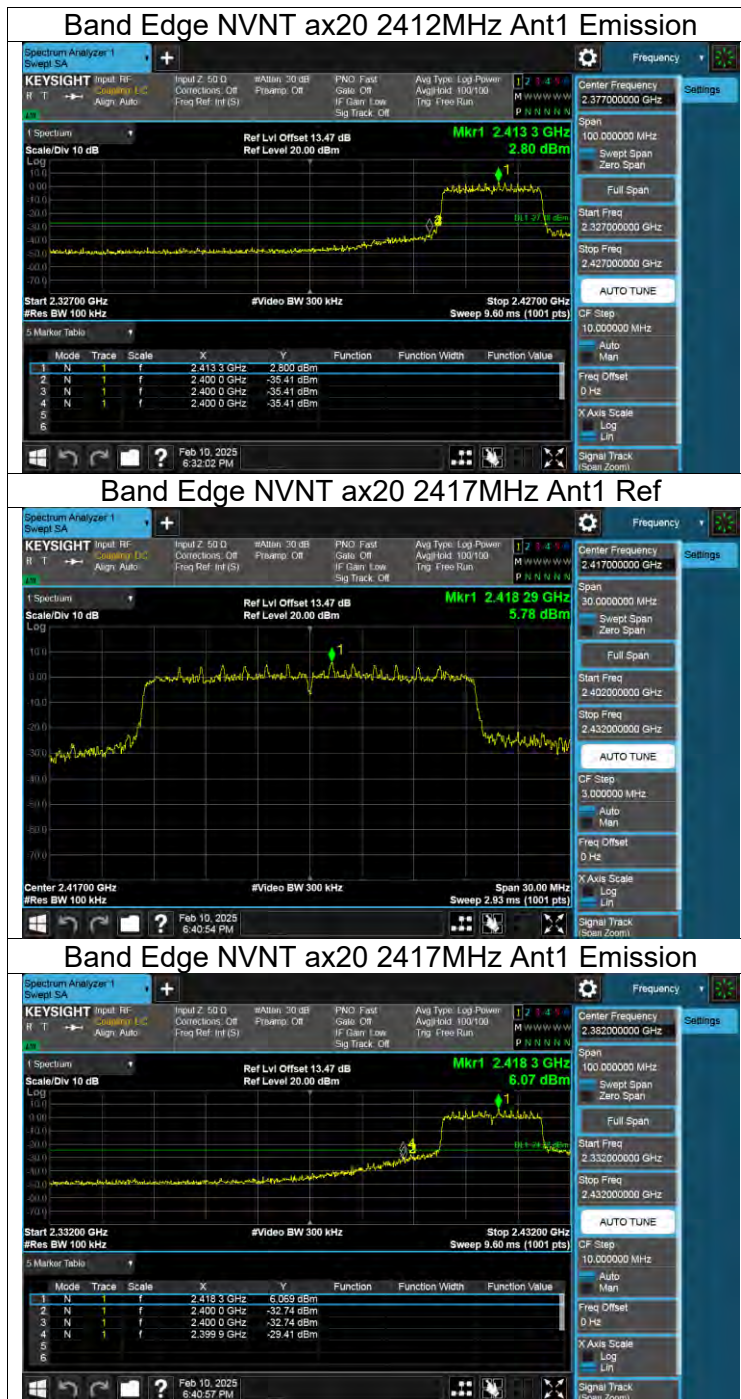


Band Edge NVNT n20 2462MHz Ant1 Emission



Band Edge NVNT ax20 2412MHz Ant1 Ref





Band Edge NVNT ax20 2447MHz Ant1 Ref



Band Edge NVNT ax20 2447MHz Ant1 Emission



Band Edge NVNT ax20 2452MHz Ant1 Ref







11.7. APPENDIX G: CONDUCTED RF SPURIOUS EMISSION

Mode	Frequency (MHz)	Antenna	Verdict
b	2412	Ant1	Pass
b	2437	Ant1	Pass
b	2462	Ant1	Pass
g	2412	Ant1	Pass
g	2417	Ant1	Pass
g	2437	Ant1	Pass
g	2447	Ant1	Pass
g	2452	Ant1	Pass
g	2457	Ant1	Pass
g	2462	Ant1	Pass
n20	2412	Ant1	Pass
n20	2417	Ant1	Pass
n20	2437	Ant1	Pass
n20	2452	Ant1	Pass
n20	2457	Ant1	Pass
n20	2462	Ant1	Pass
ax20	2412	Ant1	Pass
ax20	2417	Ant1	Pass
ax20	2437	Ant1	Pass
ax20	2447	Ant1	Pass
ax20	2452	Ant1	Pass
ax20	2457	Ant1	Pass
ax20	2462	Ant1	Pass

Test Graphs

Tx. Spurious NVNT b 2412MHz Ant1 Ref



Tx. Spurious NVNT b 2412MHz Ant1 Emission



Tx. Spurious NVNT b 2437MHz Ant1 Ref



Tx. Spurious NVNT b 2437MHz Ant1 Emission



Tx. Spurious NVNT b 2462MHz Ant1 Ref



Tx. Spurious NVNT b 2462MHz Ant1 Emission



Tx. Spurious NVNT g 2412MHz Ant1 Ref



Tx. Spurious NVNT g 2412MHz Ant1 Emission



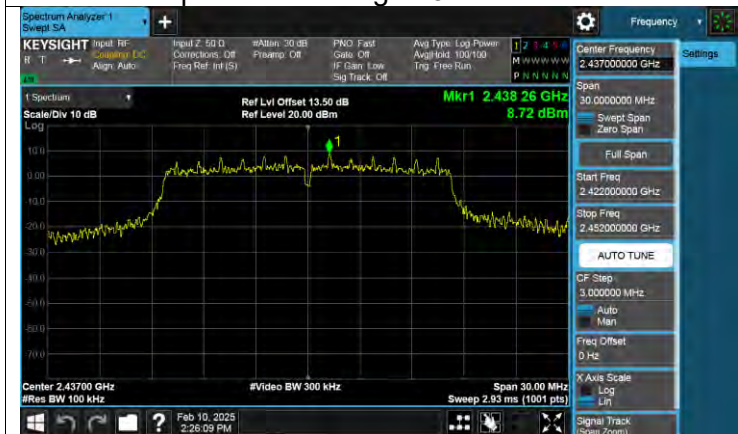
Tx. Spurious NVNT g 2417MHz Ant1 Ref



Tx. Spurious NVNT g 2417MHz Ant1 Emission



Tx. Spurious NVNT g 2437MHz Ant1 Ref



Tx. Spurious NVNT g 2437MHz Ant1 Emission



Tx. Spurious NVNT g 2447MHz Ant1 Ref



Tx. Spurious NVNT g 2447MHz Ant1 Emission



Tx. Spurious NVNT g 2452MHz Ant1 Ref



Tx. Spurious NVNT g 2452MHz Ant1 Emission



Tx. Spurious NVNT g 2457MHz Ant1 Ref



Tx. Spurious NVNT g 2457MHz Ant1 Emission



Tx. Spurious NVNT g 2462MHz Ant1 Ref



Tx. Spurious NVNT g 2462MHz Ant1 Emission



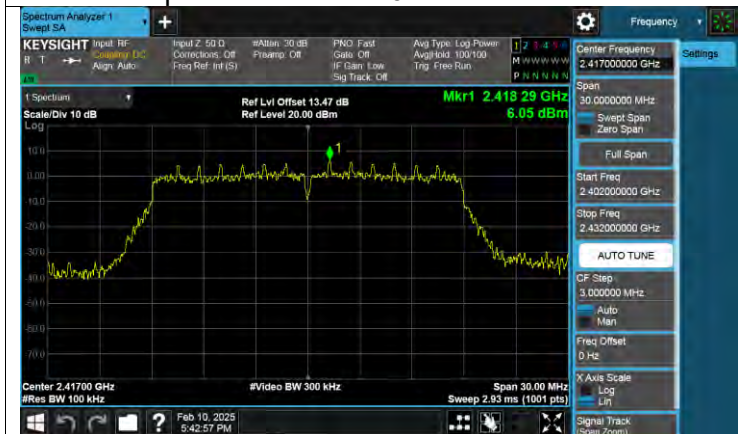
Tx. Spurious NVNT n20 2412MHz Ant1 Ref



Tx. Spurious NVNT n20 2412MHz Ant1 Emission



Tx. Spurious NVNT n20 2417MHz Ant1 Ref



Tx. Spurious NVNT n20 2417MHz Ant1 Emission



Tx. Spurious NVNT n20 2437MHz Ant1 Ref



Tx. Spurious NVNT n20 2437MHz Ant1 Emission



Tx. Spurious NVNT n20 2452MHz Ant1 Ref



Tx. Spurious NVNT n20 2452MHz Ant1 Emission



Tx. Spurious NVNT n20 2457MHz Ant1 Ref



Tx. Spurious NVNT n20 2457MHz Ant1 Emission



Tx. Spurious NVNT n20 2462MHz Ant1 Ref



Tx. Spurious NVNT n20 2462MHz Ant1 Emission



Tx. Spurious NVNT ax20 2412MHz Ant1 Ref



Tx. Spurious NVNT ax20 2412MHz Ant1 Emission



Tx. Spurious NVNT ax20 2417MHz Ant1 Ref



Tx. Spurious NVNT ax20 2417MHz Ant1 Emission



Tx. Spurious NVNT ax20 2437MHz Ant1 Ref



Tx. Spurious NVNT ax20 2437MHz Ant1 Emission



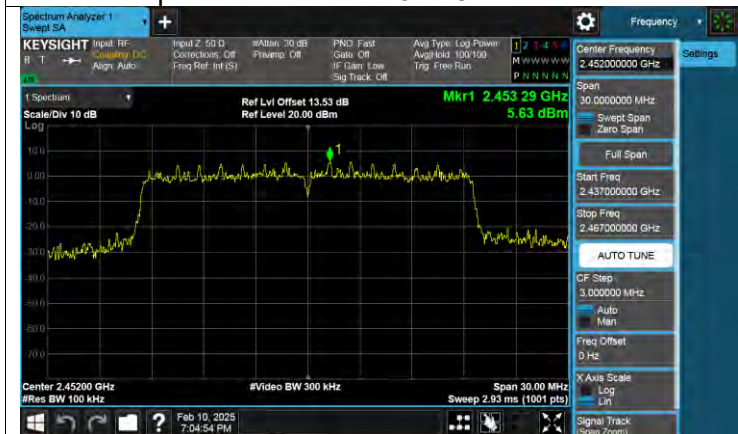
Tx. Spurious NVNT ax20 2447MHz Ant1 Ref



Tx. Spurious NVNT ax20 2447MHz Ant1 Emission



Tx. Spurious NVNT ax20 2452MHz Ant1 Ref



Tx. Spurious NVNT ax20 2452MHz Ant1 Emission



Tx. Spurious NVNT ax20 2457MHz Ant1 Ref

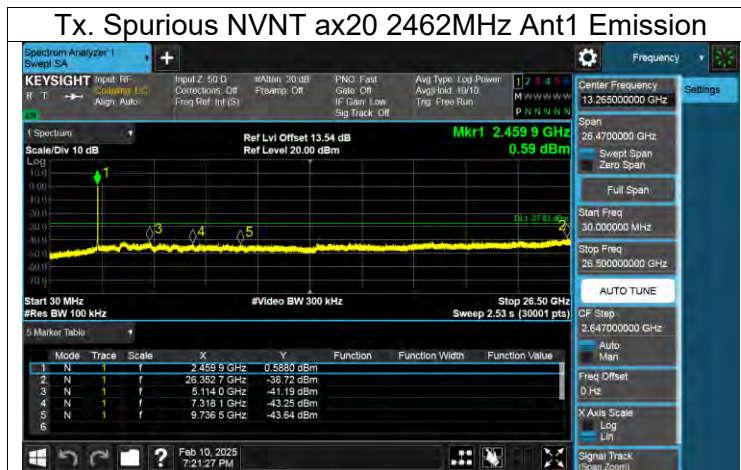


Tx. Spurious NVNT ax20 2457MHz Ant1 Emission



Tx. Spurious NVNT ax20 2462MHz Ant1 Ref





END OF REPORT