FCC Radio Test Report

FCC ID: BEJNT-15U70P

Report No.	:	BTL-FCCP-3-2012T054
Equipment	:	Notebook Computers
Model Name	:	15U70P, 15UD70P, 15UG70P, 15UB70P, 15U70P* (“*” can be “0-9” or “A-Z”)
Brand Name	:	LG
Applicant	:	LG Electronics USA
Address	:	111 Sylvan Avenue, North Building, Englewood Cliffs, New Jersey 07632, United States
Radio Function	:	WLAN 2.4 GHz
FCC Rule Part(s)	:	FCC Part15, Subpart C (15.247)
Measurement Procedure(s)	:	ANSI C63.10-2013
Date of Receipt	:	2020/12/21
Date of Test	:	2020/12/21 ~ 2021/2/27
Issued Date	:	2021/3/3

The above equipment has been tested and found in compliance with the requirement of the above standards by BTL Inc.

Prepared by : Peter Chen, Engineer

Approved by : Scott Hsu , Manager

BTL Inc.

No.18, Ln. 171, Sec. 2, Jiuzong Rd., Neihu Dist., Taipei City 114, Taiwan

Tel: +886-2-2657-3299 Fax: +886-2-2657-3331 Web: www.newbtl.com

Declaration

BTL represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with standards traceable to international standard(s) and/or national standard(s).

BTL's reports apply only to the specific samples tested under conditions. It is manufacture's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. **BTL** shall have no liability for any declarations, inferences or generalizations drawn by the client or others from **BTL** issued reports.

This report is the confidential property of the client. As a mutual protection to the clients, the public and ourselves, the test report shall not be reproduced, except in full, without our written approval.

BTL's laboratory quality assurance procedures are in compliance with the **ISO/IEC 17025** requirements, and accredited by the conformity assessment authorities listed in this test report.

BTL is not responsible for the sampling stage, so the results only apply to the sample as received.

The information, data and test plan are provided by manufacturer which may affect the validity of results, so it is manufacturer's responsibility to ensure that the apparatus meets the essential requirements of applied standards and in all the possible configurations as representative of its intended use.

Limitation

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.

Please note that the measurement uncertainty is provided for informational purpose only and are not use in determining the Pass/Fail results.

CONTENTS

REPORT ISSUED HISTORY		5
1	SUMMARY OF TEST RESULTS	6
1.1	TEST FACILITY	7
1.2	MEASUREMENT UNCERTAINTY	7
1.3	TEST ENVIRONMENT CONDITIONS	7
1.4	TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING	8
1.5	DUTY CYCLE	9
2	GENERAL INFORMATION	11
2.1	DESCRIPTION OF EUT	11
2.2	TEST MODES	13
2.3	BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED	14
2.4	SUPPORT UNITS	15
3	AC POWER LINE CONDUCTED EMISSIONS TEST	16
3.1	LIMIT	16
3.2	TEST PROCEDURE	16
3.3	DEVIATION FROM TEST STANDARD	16
3.4	TEST SETUP	17
3.5	TEST RESULT	17
4	RADIATED EMISSIONS TEST	18
4.1	LIMIT	18
4.2	TEST PROCEDURE	19
4.3	DEVIATION FROM TEST STANDARD	19
4.4	TEST SETUP	19
4.5	EUT OPERATING CONDITIONS	20
4.6	TEST RESULT – 30 MHZ TO 1 GHZ	21
4.7	TEST RESULT – ABOVE 1 GHZ	21
5	BANDWIDTH TEST	22
5.1	LIMIT	22
5.2	TEST PROCEDURE	22
5.3	DEVIATION FROM TEST STANDARD	22
5.4	TEST SETUP	22
5.5	EUT OPERATING CONDITIONS	22
5.6	TEST RESULT	22
6	OUTPUT POWER TEST	23
6.1	LIMIT	23
6.2	TEST PROCEDURE	23
6.3	DEVIATION FROM TEST STANDARD	23
6.4	TEST SETUP	23
6.5	EUT OPERATING CONDITIONS	23
6.6	TEST RESULT	23
7	POWER SPECTRAL DENSITY	24
7.1	LIMIT	24
7.2	TEST PROCEDURE	24
7.3	DEVIATION FROM TEST STANDARD	24
7.4	TEST SETUP	24
7.5	EUT OPERATING CONDITIONS	24
7.6	TEST RESULT	24
8	ANTENNA CONDUCTED SPURIOUS EMISSIONS TEST	25

8.1	LIMIT	25
8.2	TEST PROCEDURE	25
8.3	DEVIATION FROM TEST STANDARD	25
8.4	TEST SETUP	25
8.5	EUT OPERATING CONDITIONS	25
8.6	TEST RESULT	25
9	LIST OF MEASURING EQUIPMENTS	26
10	EUT TEST PHOTO	28
11	EUT PHOTOS	28

APPENDIX A	AC POWER LINE CONDUCTED EMISSIONS	29
APPENDIX B	RADIATED EMISSIONS - 30 MHZ TO 1 GHZ	34
APPENDIX C	RADIATED EMISSIONS - ABOVE 1 GHZ	37
APPENDIX D	BANDWIDTH	124
APPENDIX E	OUTPUT POWER	149
APPENDIX F	POWER SPECTRAL DENSITY	158
APPENDIX G	ANTENNA CONDUCTED SPURIOUS EMISSIONS	171

REPORT ISSUED HISTORY

Report Version	Description	Issued Date
R00	Original Issue.	2021/1/27
R01	Revised report to address TCB's comments.	2021/2/17
R02	Revised report to address TCB's comments.	2021/2/24
R03	Revised report to address TCB's comments.	2021/3/3

1 SUMMARY OF TEST RESULTS

Test procedures according to the technical standards.

FCC Part 15, Subpart C (15.247)				
Standard(s) Section	**Description**	**Test Result**	**Judgement**	**Remark**
15.207	AC Power Line Conducted Emissions	APPENDIX A	Pass	------
15.205 15.209 15.247(d)	Radiated Emissions	APPENDIX B APPENDIX C	Pass	------
15.247(a)	Bandwidth	APPENDIX D	Pass	------
15.247(b)	Output Power	APPENDIX E	Pass	------
15.247(e)	Power Spectral Density	APPENDIX F	Pass	------
15.247(d)	Antenna conducted Spurious Emission	APPENDIX G	Pass	------
15.203	Antenna Requirement	------	Pass	------

NOTE:
(1) ”N/A” denotes test is not applicable in this Test Report.
(2) The report format version is TP.1.1.1.

1.1 TEST FACILITY

The test facilities used to collect the test data in this report:

No. 68-1, Ln. 169, Sec. 2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan
The test sites and facilities are covered under FCC RN: 674415 and DN: TW0659.

☒ C05 ☐ CB08 ☐ CB11 ☒ CB15 ☐ CB16
☒ SR05

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement **y** ± **U**, where expanded uncertainty **U** is based on a standard uncertainty multiplied by a coverage factor of **k = 2**, providing a level of confidence of approximately **95 %**. The measurement instrumentation uncertainty considerations contained in CISPR 16-4-2. The BTL measurement uncertainty is less than the CISPR 16-4-2 U_{cispr} requirement.

A. AC power line conducted emissions test:

Test Site	Method	Measurement Frequency Range	U (dB)
C05	CISPR	150 kHz ~ 30MHz	3.44

B. Radiated emissions test :

Test Site	Measurement Frequency Range	U,(dB)
CB15	0.03 GHz ~ 0.2 GHz	4.17
	0.2 GHz ~ 1 GHz	4.72
	1 GHz ~ 6 GHz	5.21
	6 GHz ~ 18 GHz	5.51
	18 GHz ~ 26 GHz	3.69
	26 GHz ~ 40 GHz	4.23

C. Conducted test :

Test Item	U,(dB)
Bandwidth	1.13
Output power	1.06
Power Spectral Density	1.20
Conducted Spurious emissions	1.14
Conducted Band edges	1.13

NOTE:
Unless specifically mentioned, the uncertainty of measurement has not been taken into account to declare the compliance or non-compliance to the specification.

1.3 TEST ENVIRONMENT CONDITIONS

Test Item	Environment Condition	Test Voltage	Tested by
AC Power Line Conducted Emissions	18 °C, 73 %	AC 120V	Nero Hsieh
Radiated emissions below 1 GHz	23 °C, 67 %	AC 120V	Jerry Chuang
Radiated emissions above 1 GHz	21~23 °C, 67~70 %	AC 120V	Jerry Chuang
Bandwidth	24.2 °C, 62 %	AC 120V	Nero Hsieh
Output Power	24.2 °C, 62 %	AC 120V	Nero Hsieh
Power Spectral Density	24.2 °C, 62 %	AC 120V	Nero Hsieh
Antenna conducted Spurious Emission	24.2 °C, 62 %	AC 120V	Nero Hsieh

1.4 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING

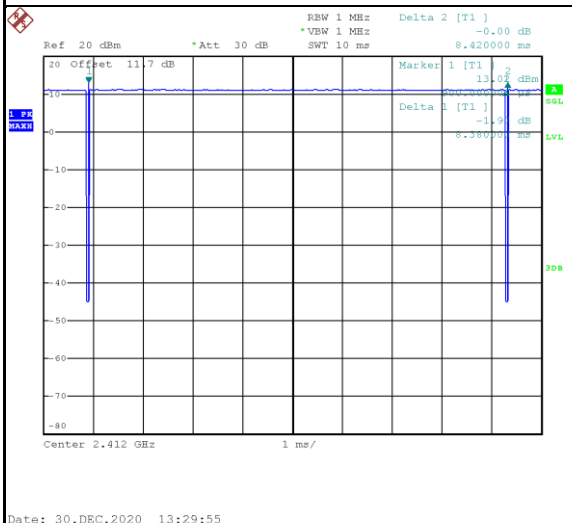
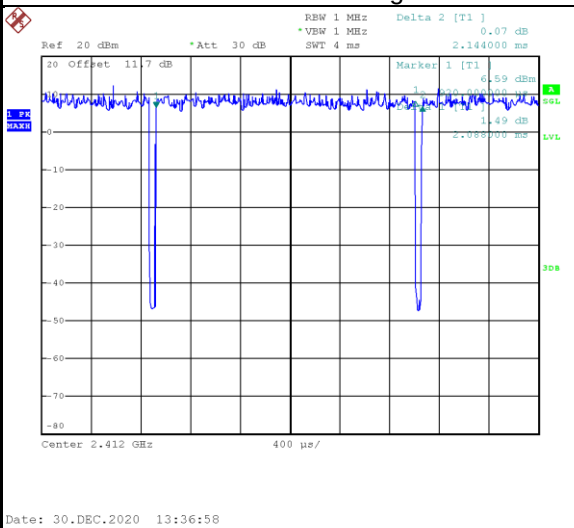
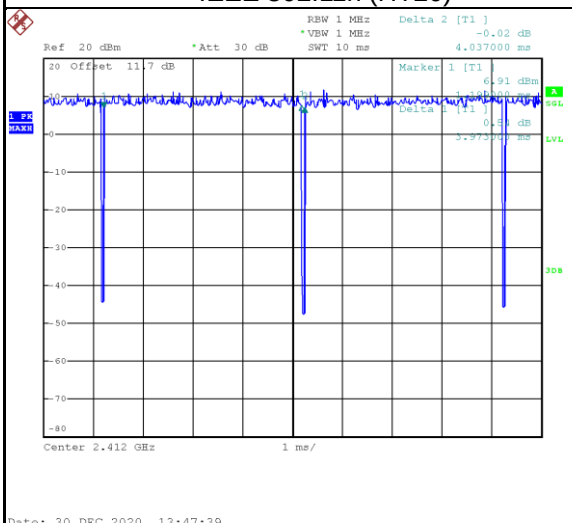
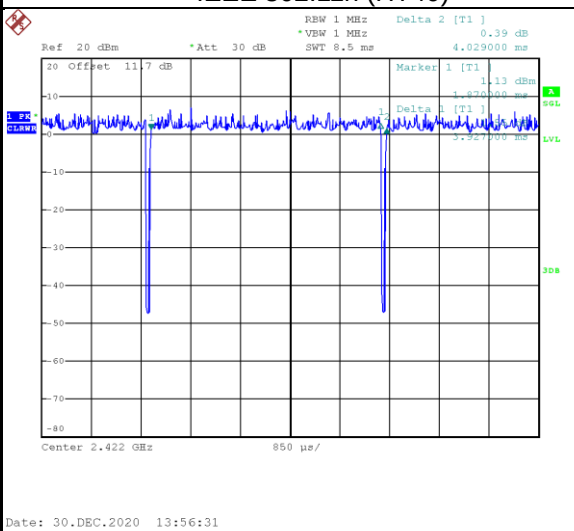
Antenna	Main					
Test Software	DRTU V11.1941.0-10270					
Mode	2412 MHz	2437 MHz	2462 MHz	2467 MHz	2472 MHz	Data Rate
IEEE 802.11b	16.375	16.375	16.625	16.5	12.75	1 Mbps
IEEE 802.11g	16.75	16.75	16.875	10.75	-8.875	6 Mbps
IEEE 802.11n (HT20)	16.75	16.75	16.5	10.625	-8.625	HT 0
IEEE 802.11ax (HEW20)	16.75	16.625	16.75	10.5	-8.875	MCS 0
Mode	2422 MHz	2437 MHz	2452 MHz	2457 MHz	2462 MHz	Data Rate
IEEE 802.11n (HT40)	16.25	16.25	16.5	7	-5.625	HT 0
IEEE 802.11ax (HEW40)	16.5	16.5	16.75	7.125	-4.875	MCS 0

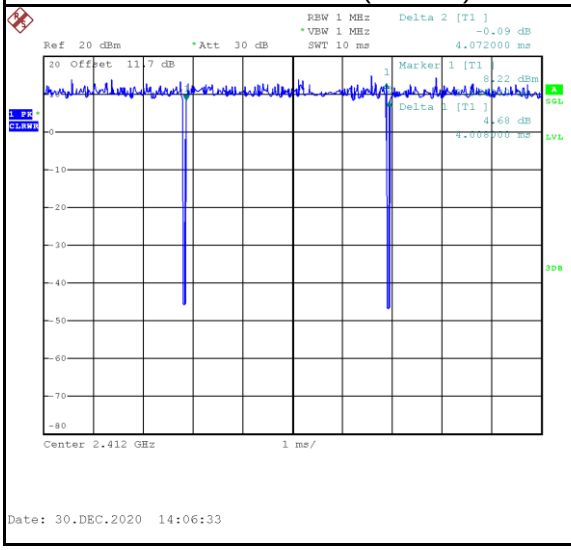
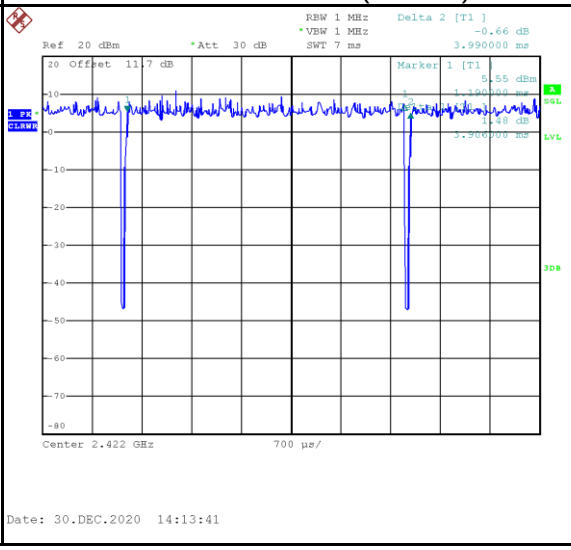
Antenna	Aux					
Test Software	DRTU V11.1941.0-10270					
Mode	2412 MHz	2437 MHz	2462 MHz	2467 MHz	2472 MHz	Data Rate
IEEE 802.11b	16	16.125	16.25	16	12.75	1 Mbps
IEEE 802.11g	16.25	16.375	16.625	10.25	-10	6 Mbps
IEEE 802.11n (HT20)	16.25	16.5	16.75	9.875	-9.875	HT 0
IEEE 802.11ax (HEW20)	16.375	16.625	16.75	10.625	-9.875	MCS 0
Mode	2422 MHz	2437 MHz	2452 MHz	2457 MHz	2462 MHz	Data Rate
IEEE 802.11n (HT40)	16.125	16.125	16.375	6.875	-6	HT 0
IEEE 802.11ax (HEW40)	16.375	16.375	16.625	6.75	-6.375	MCS 0

Antenna	Main+ Aux (MIMO)					
Test Software	DRTU V11.1941.0-10270					
Mode	2412 MHz	2437 MHz	2462 MHz	2467 MHz	2472 MHz	Data Rate
IEEE 802.11n (HT20)	13.125/13.25	13.125/13.25	13.375/13.5	8.125/8.25	-10/-10	HT 0
IEEE 802.11ax (HEW20)	13.5/13.75	13.5/13.75	13.875/14.125	7.875/8.25	-10/-10	MCS 0
Mode	2422 MHz	2437 MHz	2452 MHz	2457 MHz	2462 MHz	Data Rate
IEEE 802.11n (HT40)	13/13.25	13/13.125	13.25/13.375	4.625/4.875	-8.5/-7.875	HT 0
IEEE 802.11ax (HEW40)	13.875/14	13.875/13.875	14.125/14.125	5.375/5.625	-10/-9.75	MCS 0

1.5 DUTY CYCLE

If duty cycle is ≥ 98 %, duty factor is not required.
If duty cycle is < 98 %, duty factor shall be considered.

IEEE 802.11b	IEEE 802.11g
	
Date: 30.DEC.2020 13:29:55	Date: 30.DEC.2020 13:36:58
IEEE 802.11n (HT20)	**IEEE 802.11n (HT40)**
	
Date: 30.DEC.2020 13:47:39	Date: 30.DEC.2020 13:56:31

IEEE 802.11ax (HEW20)	IEEE 802.11ax (HEW40)
	

Remark	Delta 1			Delta 2	On Time/Period	10 log(1/Duty Cycle)
Mode	ON (ms)	Numbers (ON)	On Time (B) (ms)	Period (ON+OFF) (ms)	Duty Cycle (%)	Duty Factor (dB)
IEEE 802.11b	8.380	1	8.380	8.420	99.52%	0.02
IEEE 802.11g	2.088	1	2.088	2.144	97.39%	0.11
IEEE 802.11n (HT20)	3.973	1	3.973	4.037	98.41%	0.07
IEEE 802.11n (HT40)	3.927	1	3.927	4.029	97.47%	0.11
IEEE 802.11ax (HE20)	4.008	1	4.008	4.072	98.43%	0.07
IEEE 802.11ax (HE40)	3.906	1	3.906	3.990	97.89%	0.09

2 GENERAL INFORMATION

2.1 DESCRIPTION OF EUT

Equipment	Notebook Computers
Model Name	15U70P, 15UD70P, 15UG70P, 15UB70P, 15U70P* (“*” can be “0-9” or “A-Z”)
Brand Name	LG
Model Difference	The model is only differ in model name for just marketing use only.
Power Source	DC voltage supplied from AC/DC Adapter.
Power Rating	19.5V⎓6.32A
Power Adapter Power Rating	I/P: 100-240V~3.5A 50-60Hz O/P: 19.5V⎓11.8A 230W
Power Adapter	Chicony / A17-230P1A
Operation Band	2400 MHz ~ 2483.5 MHz
Operation Frequency	2412 MHz ~ 2472 MHz
Modulation Technology	IEEE 802.11b: DSSS IEEE 802.11g: OFDM IEEE 802.11n: OFDM IEEE 802.11ax: OFDMA
Transfer Rate	IEEE 802.11b: 11/5.5/2/1 Mbps IEEE 802.11g: 54/48/36/24/18/12/9/6 Mbps IEEE 802.11n: up to 300 Mbps IEEE 802.11ax: up to 866.7 Mbps
Output Power Max. -Main Antenna	IEEE 802.11b: 18.91 dBm (0.0778 W) IEEE 802.11g: 21.29 dBm (0.1346 W) IEEE 802.11n (HT20): 21.27 dBm (0.1340 W) IEEE 802.11n (HT40): 21.97 dBm (0.1574 W) IEEE 802.11ax (HEW20): 21.29 dBm (0.1346 W) IEEE 802.11ax (HEW40): 22.12 dBm (0.1629 W)
Output Power Max. -Aux Antenna	IEEE 802.11b: 18.65 dBm (0.0733 W) IEEE 802.11g: 21.22 dBm (0.1324 W) IEEE 802.11n (HT20): 21.14 dBm (0.1300 W) IEEE 802.11n (HT40): 21.85 dBm (0.1531 W) IEEE 802.11ax (HEW20): 21.40 dBm (0.1380 W) IEEE 802.11ax (HEW40): 21.94 dBm (0.1563 W)
Output Power Max. - Main + Aux (MIMO Mode)	IEEE 802.11n (HT20): 21.37 dBm (0.1371 W) IEEE 802.11n (HT40): 21.63 dBm (0.1456 W) IEEE 802.11ax (HEW20)_52 Tone: 25.96 dBm (0.3946 W) IEEE 802.11ax (HEW40): 22.46 dBm (0.1760 W)
Test Model	15U70P
Sample Status	Engineering Sample
EUT Modification(s)	N/A

NOTE:
(1) For a more detailed features description, please refer to the manufacturer’s specifications or the user's manual.
(2) Channel List:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	06	2437	11	2462
02	2417	07	2442	12	2467
03	2422	08	2447	13	2472
04	2427	09	2452		
05	2432	10	2457		

(3) Table for Filed Antenna:

Ant.	Brand	Part number	Type	Frequency Range (MHz)	Gain (dBi)
Main	High-Tek	DQ60ACQD044	PIFA	2400-2500	-1.23
				5150-5250	2.46
				5250-5350	1.70
				5740-5725	0.22
				5725-5850	-0.07
Aux	High-Tek	DQ60ACQD044	PIFA	2400-2500	-1.01
				5150-5250	-0.95
				5250-5350	1.13
				5740-5725	0.54
				5725-5850	1.65

(1) Operating Mode and Antenna Configuration

Operating Mode / TX Mode	2TX
IEEE 802.11b	V (Main or Aux)
IEEE 802.11g	V (Main or Aux)
IEEE 802.11n (HT20)	V (Main or Aux or Main+ Aux)
IEEE 802.11n (HT40)	V (Main or Aux or Main+ Aux)
IEEE 802.11ax (HEW20)	V (Main or Aux or Main+ Aux)
IEEE 802.11ax (HEW40)	V (Main or Aux or Main+ Aux)

2.2 TEST MODES

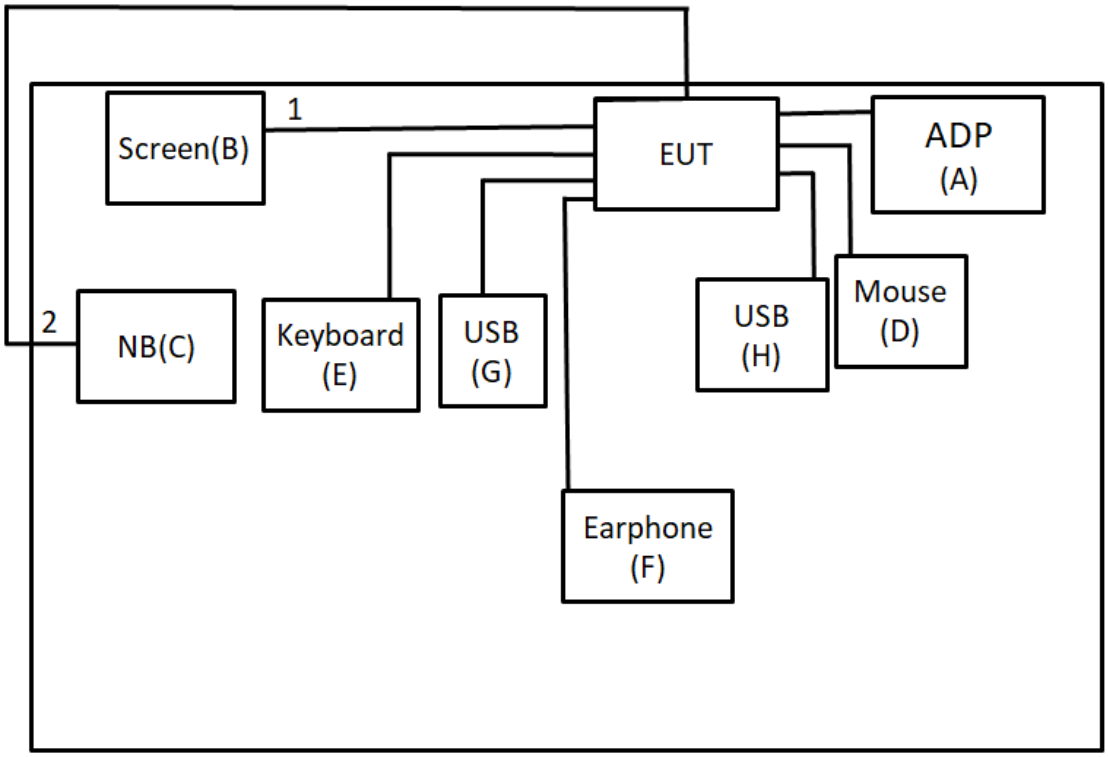
Test Items	Test mode	Channel	Note
AC power line conducted emissions	Normal/Idle	-	-
Transmitter Radiated Emissions (below 1GHz)	TX Mode_IEEE 802.11n (HT40)	01	-
Transmitter Radiated Emissions (above 1GHz)	TX Mode_IEEE 802.11b	01/11/12/13	Bandedge
	TX Mode_IEEE 802.11g		
	TX Mode_IEEE 802.11n (HT20)		
	TX Mode_IEEE 802.11ax (HEW20)		
	TX Mode_IEEE 802.11n (HT40)	03/09/10/11	
	TX Mode_IEEE 802.11ax (HEW40)		
Transmitter Radiated Emissions (above 1GHz)	TX Mode_IEEE 802.11b	01/06/11/12/13	Harmonic
	TX Mode_IEEE 802.11g		
	TX Mode_IEEE 802.11n (HT20)		
	TX Mode_IEEE 802.11ax (HEW20)		
	TX Mode_IEEE 802.11n (HT40)	03/06/09/10/11	
	TX Mode_IEEE 802.11ax (HEW40)		
Bandwidth & Output Power & Power Spectral Density & Antenna conducted Spurious Emission	TX Mode_IEEE 802.11b	01/06/11/12/13	-
	TX Mode_IEEE 802.11g		
	TX Mode_IEEE 802.11n (HT20)		
	TX Mode_IEEE 802.11ax (HEW20)		
	TX Mode_IEEE 802.11n (HT40)	03/06/09/10/11	
	TX Mode_IEEE 802.11ax (HEW40)		

NOTE:
(1) For radiated emission band edge test, both Vertical and Horizontal are evaluated, but only the worst case (Vertical) is recorded.
(2) All X, Y and Z axes are evaluated, but only the worst case (Y axis) is recorded.
(3) There were no emissions found below 30 MHz within 20 dB of the limit.
(4) The SISO power is higher than MIMO, so we select worse case for test.
(5) For IEEE 802.11ax modes, refer to TCB Workshop presentations on October 3, 2018, after evaluated, all testing are performed under fully loaded conditions (Full RU). In the test data, only the partially loaded conditions data are marked with tones.

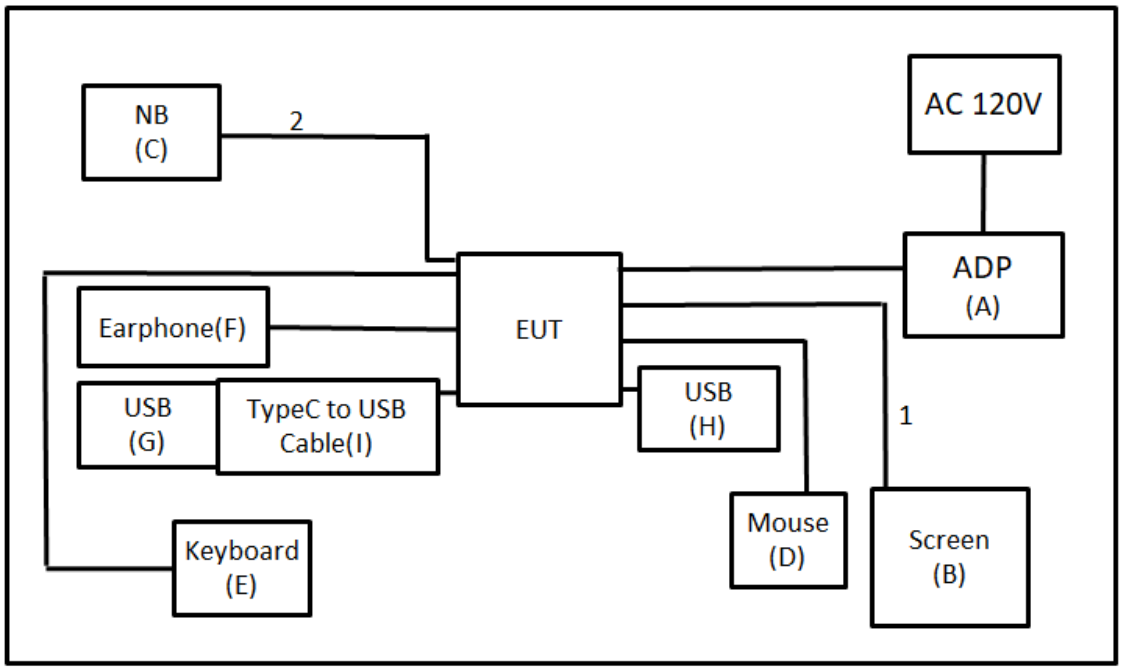
2.3 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

Equipment letters and Cable numbers refer to item numbers described in the tables of clause 2.4.

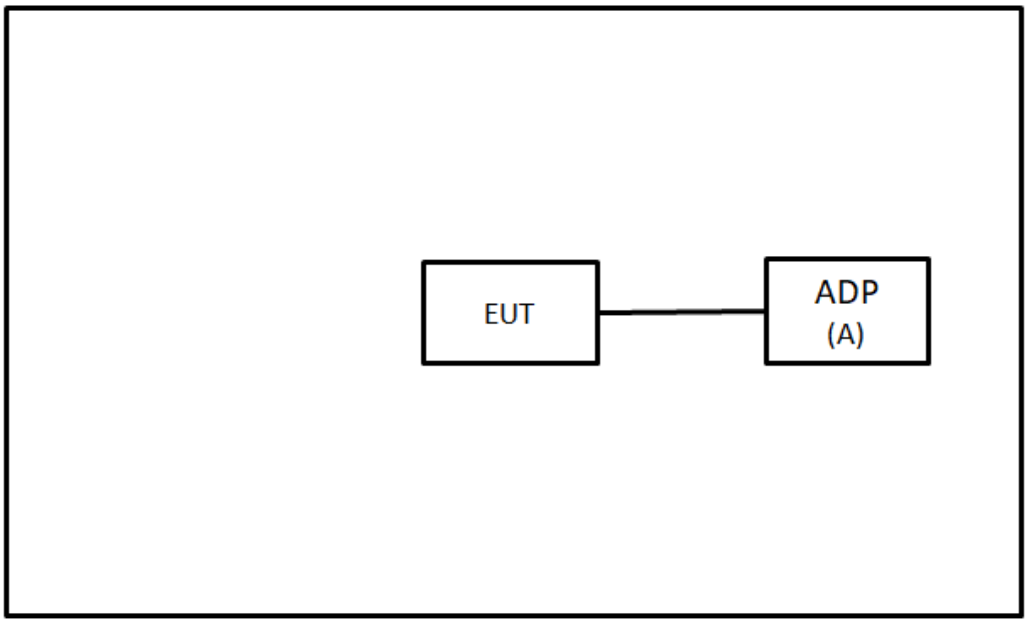
AC power line conducted emissions



Radiated Emissions (below 1GHz)



Radiated Emissions (above 1GHz)



2.4 SUPPORT UNITS

Item	Equipment	Brand	Model No.	Series No.	Remarks
A	ADP	Chicony	A17-230P1A	N/A	Supplied by test requester
B	Screen	ASUS	MX27U	N/A	Furnished by test lab.
C	NB	hp	TPN-I119	N/A	Furnished by test lab.
D	Mouse	DELL	MOCZUL	N/A	Furnished by test lab.
E	Keyboard	DELL	KB216t	N/A	Furnished by test lab.
F	Earphone	Sony	MDR-E9LP	N/A	Furnished by test lab.
G	USB	Kingston	C7052-322.AOO LF	N/A	Furnished by test lab.
H	USB	Transcend	TS16GJF700	N/A	Furnished by test lab.
I	Type C to USB	UGREEN	US154	N/A	Furnished by test lab.

Item	Shielded	Ferrite Core	Length	Cable Type	Remarks
1	N/A	N/A	1.8m	HDMI	Furnished by test lab.
2	N/A	N/A	2m	RJ45	Furnished by test lab.

3 AC POWER LINE CONDUCTED EMISSIONS TEST

3.1 LIMIT

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

NOTE:
(1) The tighter limit applies at the band edges.
(2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.
(3) The test result calculated as following:
Measurement Value = Reading Level + Correct Factor
Correct Factor = Insertion Loss + Cable Loss + Attenuator Factor (if use)
Margin Level = Measurement Value – Limit Value
Calculation example:

Reading Level		Correct Factor		Measurement Value
38.22	+	3.45	=	41.67

Measurement Value		Limit Value		Margin Level
41.67	-	60	=	-18.33

The following table is the setting of the receiver.

Receiver Parameter	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 KHz

3.2 TEST PROCEDURE

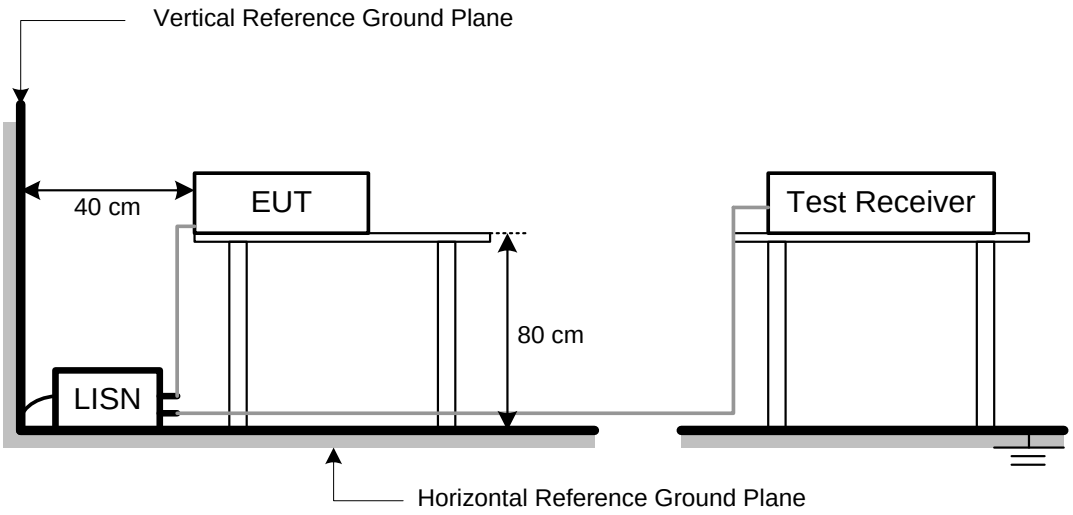
a. The EUT was placed 0.8 m above the horizontal ground plane with the EUT being connected to the power mains through a line impedance stabilization network (LISN).
All other support equipment were powered from an additional LISN(s).
The LISN provides 50 Ohm/50uH of impedance for the measuring instrument.
b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle to keep the cable above 40 cm.
c. Excess I/O cables that are not connected to a peripheral shall be bundled in the center.
The end of the cable will be terminated, using the correct terminating impedance.
The overall length shall not exceed 1 m.
d. The LISN is spaced at least 80 cm from the nearest part of the EUT chassis.
e. For the actual test configuration, please refer to the related Item – EUT TEST PHOTO.

NOTE:
(1) In the results, each reading is marked as Peak, QP or AVG per the detector used.
BW=9 kHz (6 dB Bandwidth)
(2) All readings are Peak unless otherwise stated QP or AVG in column of Note. Both the QP and the AVG readings must be less than the limit for compliance.

3.3 DEVIATION FROM TEST STANDARD

No deviation.

3.4 TEST SETUP



3.5 TEST RESULT

Please refer to the APPENDIX A.

4 RADIATED EMISSIONS TEST

4.1 LIMIT

In case the emission fall within the restricted band specified on 15.205, then the 15.209 limit in the table below has to be followed.

LIMITS OF RADIATED EMISSIONS MEASUREMENT (9 kHz to 1000 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
30~88	100	3
88~216	150	3
216~960	200	3
960~1000	500	3

LIMITS OF RADIATED EMISSIONS MEASUREMENT (Above 1000 MHz)

Frequency (MHz)	Radiated Emissions (dBuV/m)		Measurement Distance (meters)
	Peak	Average	
Above 1000	74	54	3

NOTE:
(1) The limit for radiated test was performed according to FCC Part 15, Subpart C.
(2) The tighter limit applies at the band edges.
(3) Emission level (dBuV/m)=20log Emission level (uV/m).
(4) The test result calculated as following:
Measurement Value = Reading Level + Correct Factor
Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain(if use)
Margin Level = Measurement Value - Limit Value
Calculation example:

Reading Level		Correct Factor		Measurement Value
19.11	+	2.11	=	21.22

Measurement Value		Limit Value		Margin Level
21.22	-	54	=	-32.78

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RBW / VBW (Emission in restricted band)	1MHz / 3MHz for Peak, 1MHz / 1/T for Average

Mode	VBW(Hz)
IEEE 802.11b	300
IEEE 802.11g	510
IEEE 802.11n (HT20)	300
IEEE 802.11n (HT40)	300
IEEE 802.11ax (HEW20)	300
IEEE 802.11ax (HEW40)	300

Spectrum Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9KHz~90KHz for PK/AVG detector
Start ~ Stop Frequency	90KHz~110KHz for QP detector
Start ~ Stop Frequency	110KHz~490KHz for PK/AVG detector
Start ~ Stop Frequency	490KHz~30MHz for QP detector
Start ~ Stop Frequency	30MHz~1000MHz for QP detector

4.2 TEST PROCEDURE

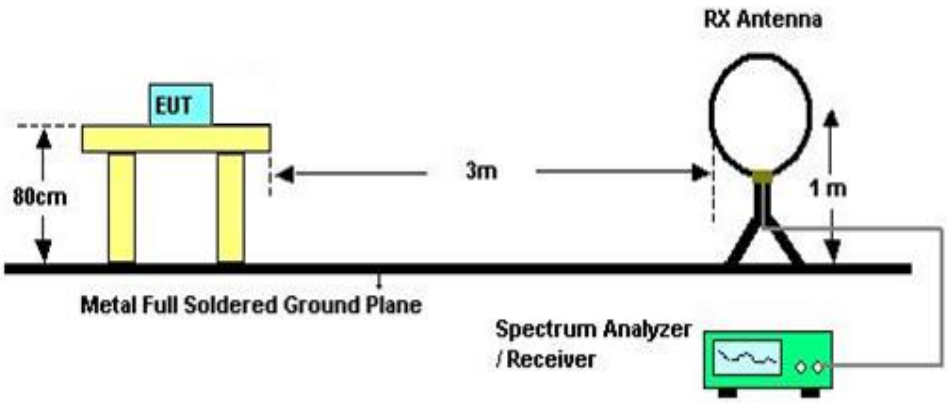
a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
b. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
c. The height of the equipment or of the substitution antenna shall be 0.8 m or 1.5 m, the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights find the maximum reading (used Bore sight function).
e. The receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1GHz.
f. The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
g. All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn‘t perform. (below 1GHz)
h. All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn‘t perform. (above 1GHz)
i. For the actual test configuration, please refer to the related Item – EUT TEST PHOTO.

4.3 DEVIATION FROM TEST STANDARD

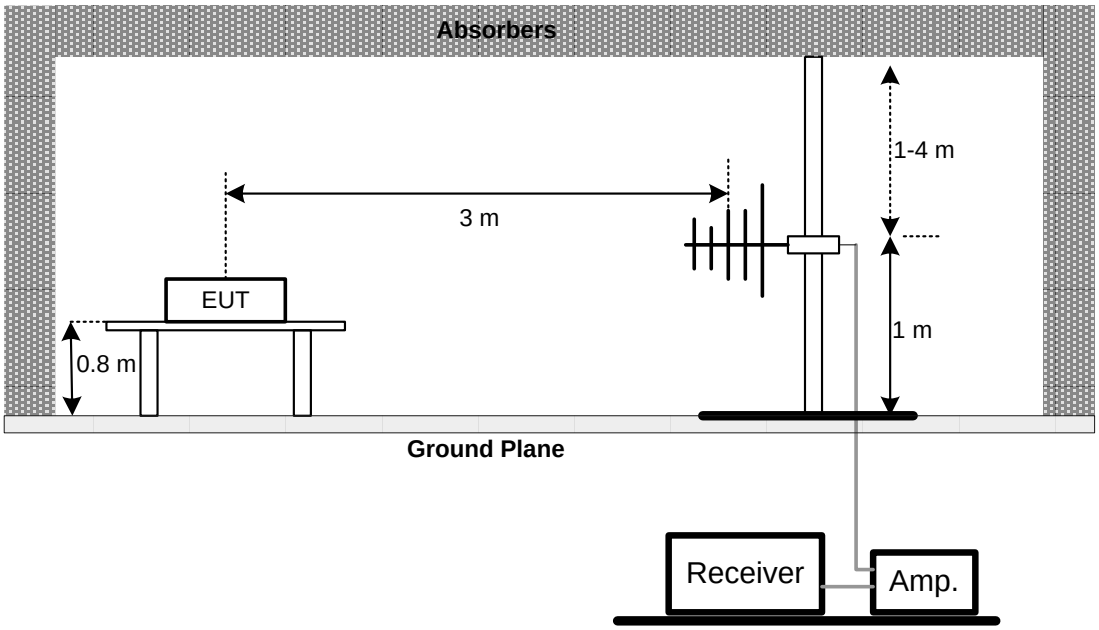
No deviation.

4.4 TEST SETUP

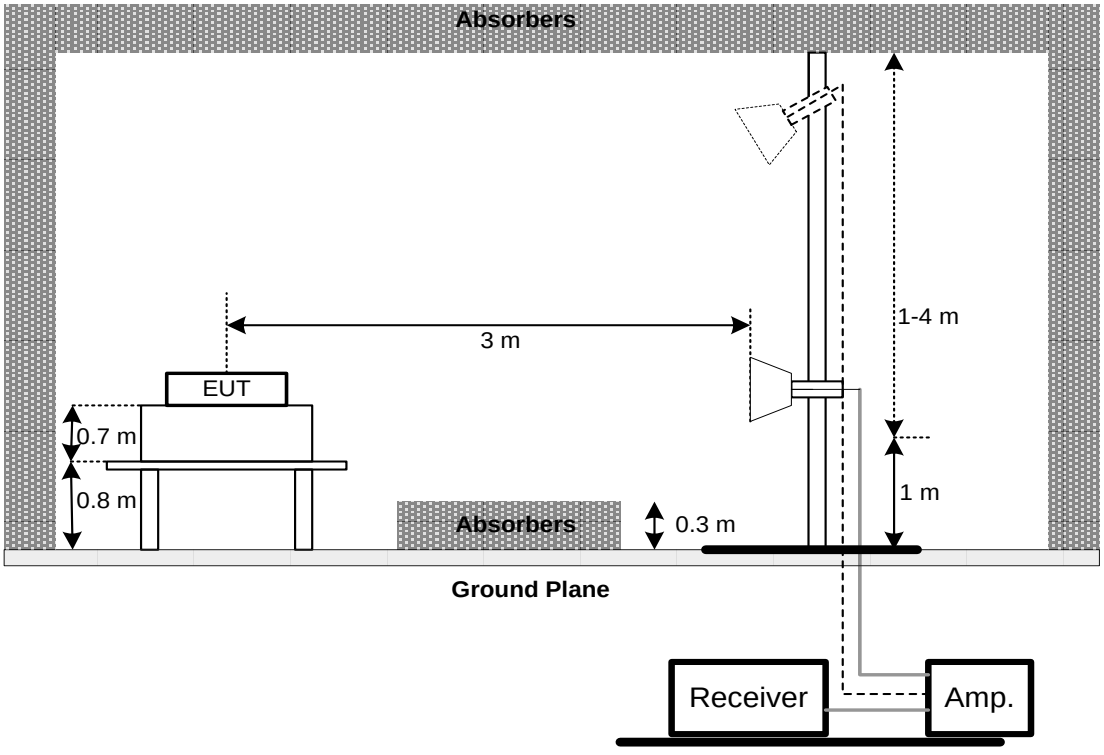
9 kHz to 30 MHz



30 MHz to 1 GHz



Above 1 GHz



4.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

4.6 TEST RESULT – 30 MHZ TO 1 GHZ

Please refer to the APPENDIX B.

4.7 TEST RESULT – ABOVE 1 GHZ

Please refer to the APPENDIX C.

NOTE:

(1) No limit: This is fundamental signal, the judgment is not applicable.
For fundamental signal judgment was referred to Peak output test.

5 BANDWIDTH TEST

5.1 LIMIT

FCC Part15, Subpart C (15.247)		
Section	Test Item	Limit
15.247(a)	6 dB Bandwidth	500 kHz

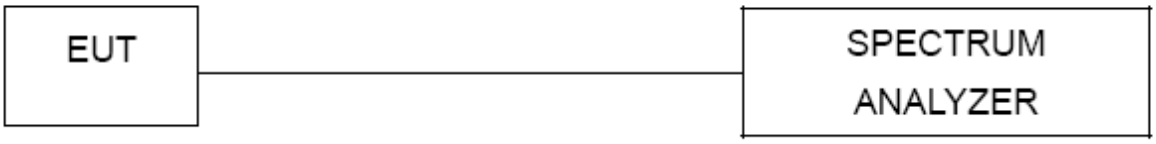
5.2 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
b. Spectrum Setting: RBW= 100KHz, VBW=300KHz, Sweep time = 2.5 ms.

5.3 DEVIATION FROM TEST STANDARD

No deviation.

5.4 TEST SETUP



5.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

5.6 TEST RESULT

Please refer to the APPENDIX D.

6 OUTPUT POWER TEST

6.1 LIMIT

FCC Part15, Subpart C (15.247)		
Section	Test Item	Limit
15.247(b)	Maximum Output Power	1 Watt or 30dBm

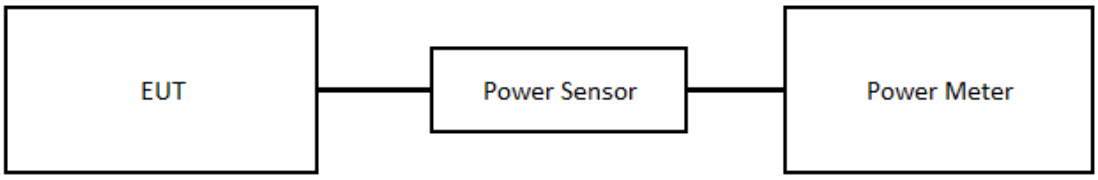
6.2 TEST PROCEDURE

a. The EUT was directly connected to the power meter and antenna output port as show in the block diagram below.
b. The maximum peak conducted output power was performed in accordance with FCC KDB 558074 D01 15.247 Meas Guidance.
c. Subclause 11.9.1.1 of ANSI C63.10 is applied. The maximum peak conducted output power may be measured using a broadband peak RF power meter.
The power meter shall have a video bandwidth that is greater than or equal to the DTS bandwidth and shall use a fast-responding diode detector.

6.3 DEVIATION FROM TEST STANDARD

No deviation.

6.4 TEST SETUP



6.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

6.6 TEST RESULT

Please refer to the APPENDIX E.

7 POWER SPECTRAL DENSITY

7.1 LIMIT

FCC Part15, Subpart C (15.247)		
Section	Test Item	Limit
15.247(e)	Power Spectral Density	8 dBm (in any 3 kHz)

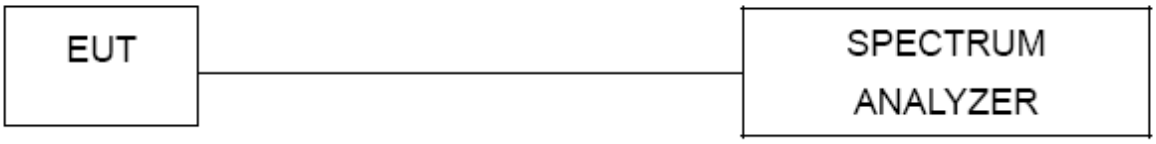
7.2 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
b. Spectrum Setting: RBW = 3 kHz, VBW = 10 kHz, Sweep time = Auto.

7.3 DEVIATION FROM TEST STANDARD

No deviation.

7.4 TEST SETUP



7.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

7.6 TEST RESULT

Please refer to the APPENDIX F.

8 ANTENNA CONDUCTED SPURIOUS EMISSIONS TEST

8.1 LIMIT

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the RF power that is produced shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided that the transmitter demonstrates compliance with the peak conducted power limits.

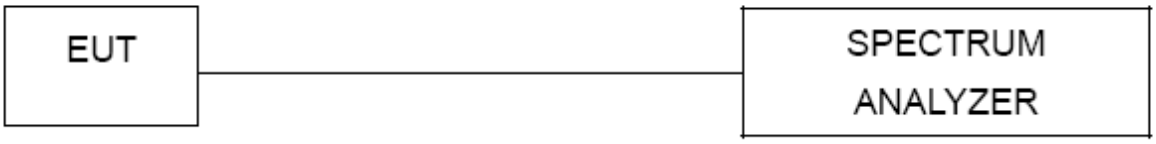
8.2 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
b. Spectrum Setting: RBW = 100 kHz, VBW=300 kHz, Sweep time = Auto.
c. Offset = antenna gain + cable loss.

8.3 DEVIATION FROM TEST STANDARD

No deviation.

8.4 TEST SETUP



8.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

8.6 TEST RESULT

Please refer to the APPENDIX G.

9 LIST OF MEASURING EQUIPMENTS

AC Power Line Conducted Emissions						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	TWO-LINE V-NETWORK	R&S	ENV216	101050	2020/6/11	2021/6/10
2	Test Cable	EMCI	EMC400-BM-BM-5000	170501	2020/6/8	2021/6/7
3	EMI Test Receiver	R&S	ESCI	100080	2020/6/15	2021/6/14
4	Measurement Software	EZ	EZ_EMC (Version NB-03A1-01)	N/A	N/A	N/A

Radiated Emissions						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Preamplifier	EMCI	EMC02325B	980217	2020/4/10	2021/4/9
2	Preamplifier	EMCI	EMC012645B	980267	2020/4/10	2021/4/9
3	Preamplifier	EMCI	EMC184045SE	980512	2020/6/1	2021/5/31
4	Test Cable	EMCI	EMC-SM-SM-1000	180809	2020/4/10	2021/4/9
5	Test Cable	EMCI	EMC104-SM-SM-3000	151205	2020/4/10	2021/4/9
6	Test Cable	EMCI	EMC-SM-SM-7000	180408	2020/4/10	2021/4/9
7	MXE EMI Receiver	Agilent	N9038A	MY554200087	2020/6/10	2021/6/9
8	Signal Analyzer	Agilent	N9010A	MY56480554	2020/8/25	2021/8/24
9	Horn Ant	SCHWARZBECK	BBHA 9120D	9120D-1342	2020/6/12	2021/6/11
10	Horn Ant	Schwarzbeck	BBHA 9170	BBHA 9170340	2020/7/9	2021/7/8
11	Trilog-Broadband Antenna	Schwarzbeck	VULB 9168	VULB 9168-352	2020/7/24	2021/7/23
12	5dB Attenuator	EMCI	EMCI-N-6-05	AT-N0625	2020/7/24	2021/7/23
13	Measurement Software	EZ	EZ_EMC (Version NB-03A1-01)	N/A	N/A	N/A

Bandwidth						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Spectrum Analyzer	R&S	FSP 40	100129	2020/6/15	2021/6/14

Output Power						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Power Meter	Anritsu	ML2495A	1128008	2020/6/11	2021/6/10
2	Power Sensor	Anritsu	MA2411B	1126001	2020/6/11	2021/6/10

Power Spectral Density						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Spectrum Analyzer	R&S	FSP 40	100129	2020/6/15	2021/6/14

Antenna conducted Spurious Emission						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Spectrum Analyzer	R&S	FSP 40	100129	2020/6/15	2021/6/14

Remark: "N/A" denotes no model name, no serial no. or no calibration specified.
All calibration period of equipment list is one year.

10 EUT TEST PHOTO

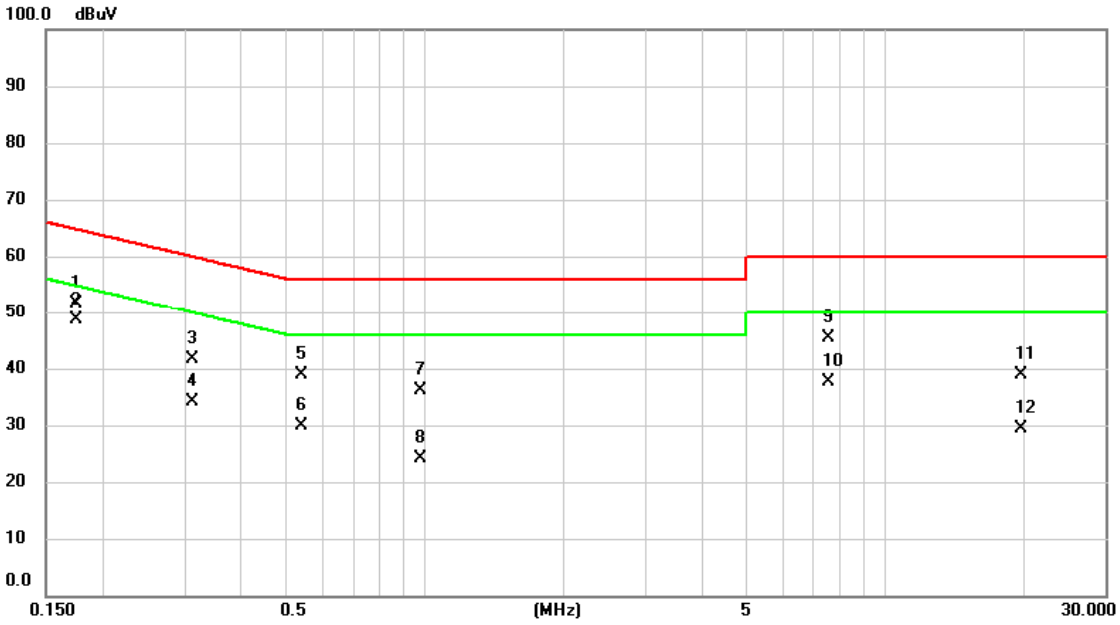
Please refer to document Appendix No.: TP-2012T054-FCCP-1 (APPENDIX-TEST PHOTOS).

11 EUT PHOTOS

Please refer to document Appendix No.: EP-2012T054-1 (APPENDIX-EUT PHOTOS).

APPENDIX A AC POWER LINE CONDUCTED EMISSIONS

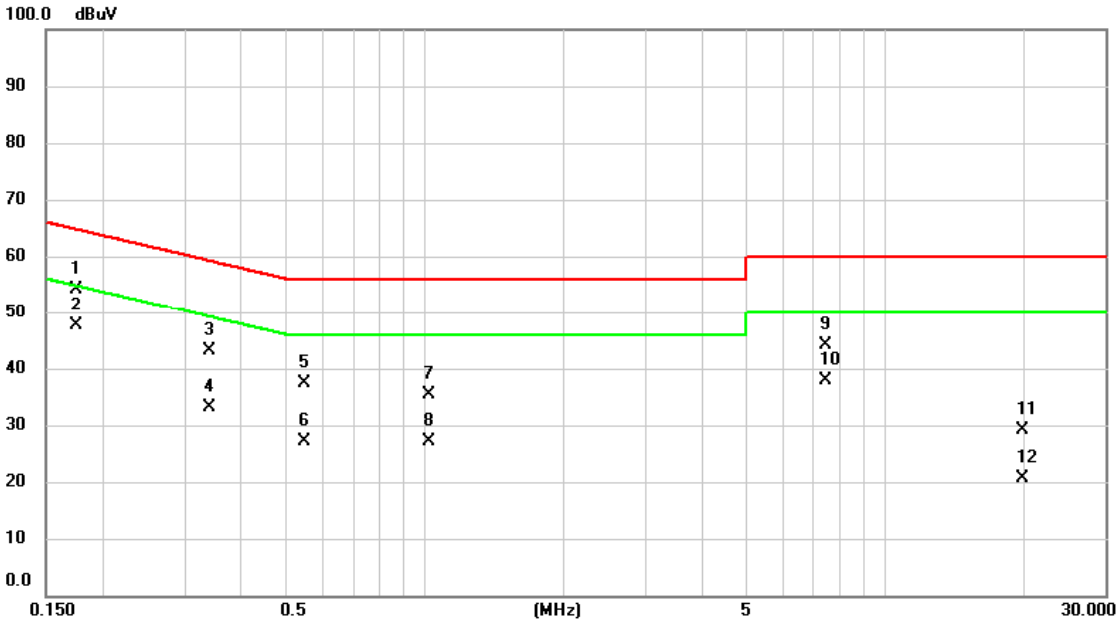
Test Mode	Normal	Tested Date	2021/2/5
Test Frequency	-	Phase	Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1748	42.04	9.68	51.72	64.73	-13.01	QP	
2	*	0.1748	38.99	9.68	48.67	54.73	-6.06	AVG	
3		0.3120	31.95	9.68	41.63	59.92	-18.29	QP	
4		0.3120	24.35	9.68	34.03	49.92	-15.89	AVG	
5		0.5392	29.20	9.68	38.88	56.00	-17.12	QP	
6		0.5392	20.12	9.68	29.80	46.00	-16.20	AVG	
7		0.9802	26.34	9.69	36.03	56.00	-19.97	QP	
8		0.9802	14.42	9.69	24.11	46.00	-21.89	AVG	
9		7.5278	35.48	9.88	45.36	60.00	-14.64	QP	
10		7.5278	27.74	9.88	37.62	50.00	-12.38	AVG	
11		19.7678	29.03	9.96	38.99	60.00	-21.01	QP	
12		19.7678	19.53	9.96	29.49	50.00	-20.51	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

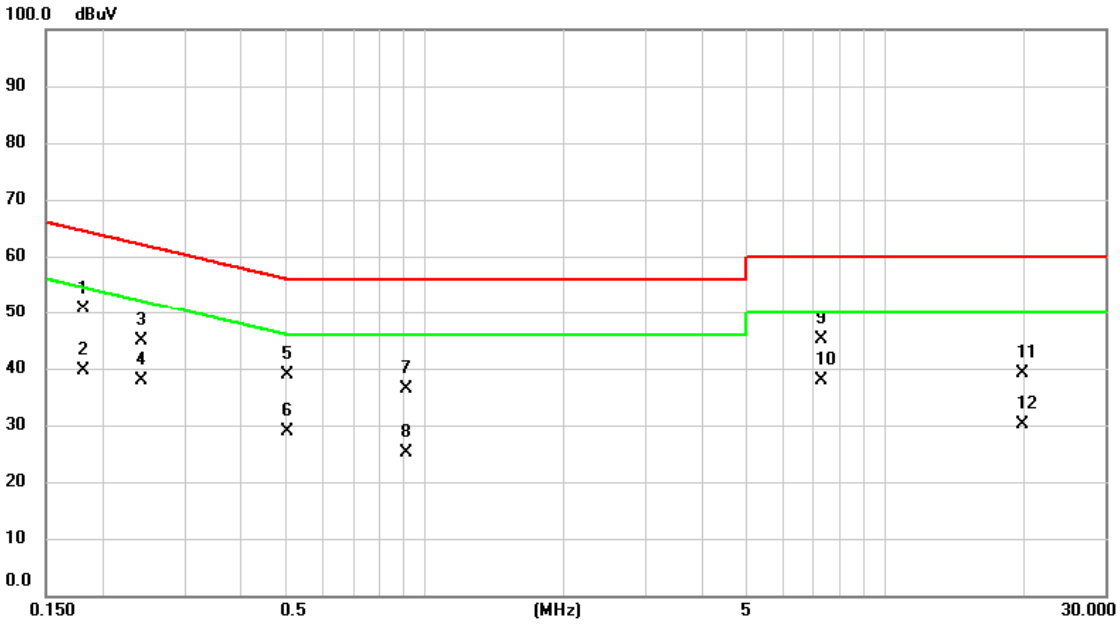
Test Mode	Normal	Tested Date	2021/2/5
Test Frequency	-	Phase	Neutral



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1748	44.33	9.68	54.01	64.73	-10.72	QP	
2	*	0.1748	38.06	9.68	47.74	54.73	-6.99	AVG	
3		0.3412	33.48	9.68	43.16	59.17	-16.01	QP	
4		0.3412	23.52	9.68	33.20	49.17	-15.97	AVG	
5		0.5482	27.78	9.68	37.46	56.00	-18.54	QP	
6		0.5482	17.56	9.68	27.24	46.00	-18.76	AVG	
7		1.0230	25.59	9.69	35.28	56.00	-20.72	QP	
8		1.0230	17.49	9.69	27.18	46.00	-18.82	AVG	
9		7.4085	34.20	9.87	44.07	60.00	-15.93	QP	
10		7.4085	27.92	9.87	37.79	50.00	-12.21	AVG	
11		19.8915	19.24	9.96	29.20	60.00	-30.80	QP	
12		19.8915	10.60	9.96	20.56	50.00	-29.44	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

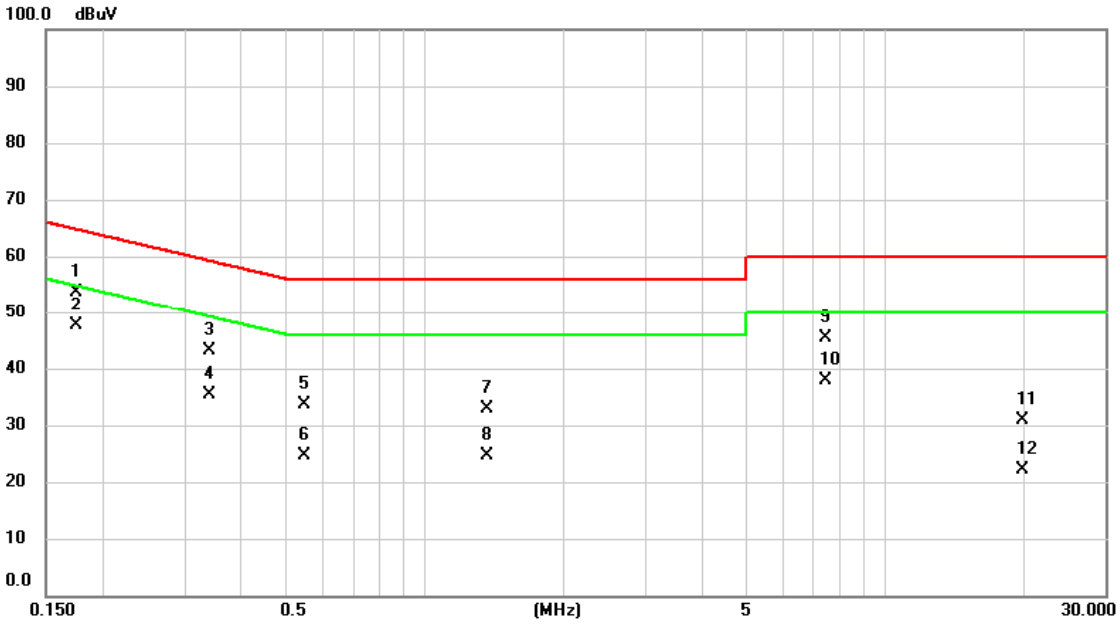
Test Mode	Idle	Tested Date	2021/2/5
Test Frequency	-	Phase	Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1815	41.03	9.67	50.70	64.42	-13.72	QP	
2		0.1815	29.90	9.67	39.57	54.42	-14.85	AVG	
3		0.2423	35.25	9.68	44.93	62.02	-17.09	QP	
4		0.2423	28.32	9.68	38.00	52.02	-14.02	AVG	
5		0.5032	29.13	9.68	38.81	56.00	-17.19	QP	
6		0.5032	19.13	9.68	28.81	46.00	-17.19	AVG	
7		0.9150	26.66	9.69	36.35	56.00	-19.65	QP	
8		0.9150	15.55	9.69	25.24	46.00	-20.76	AVG	
9		7.2938	35.26	9.87	45.13	60.00	-14.87	QP	
10	*	7.2938	28.02	9.87	37.89	50.00	-12.11	AVG	
11		19.8668	29.26	9.96	39.22	60.00	-20.78	QP	
12		19.8668	20.05	9.96	30.01	50.00	-19.99	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	Idle	Tested Date	2021/2/5
Test Frequency	-	Phase	Neutral

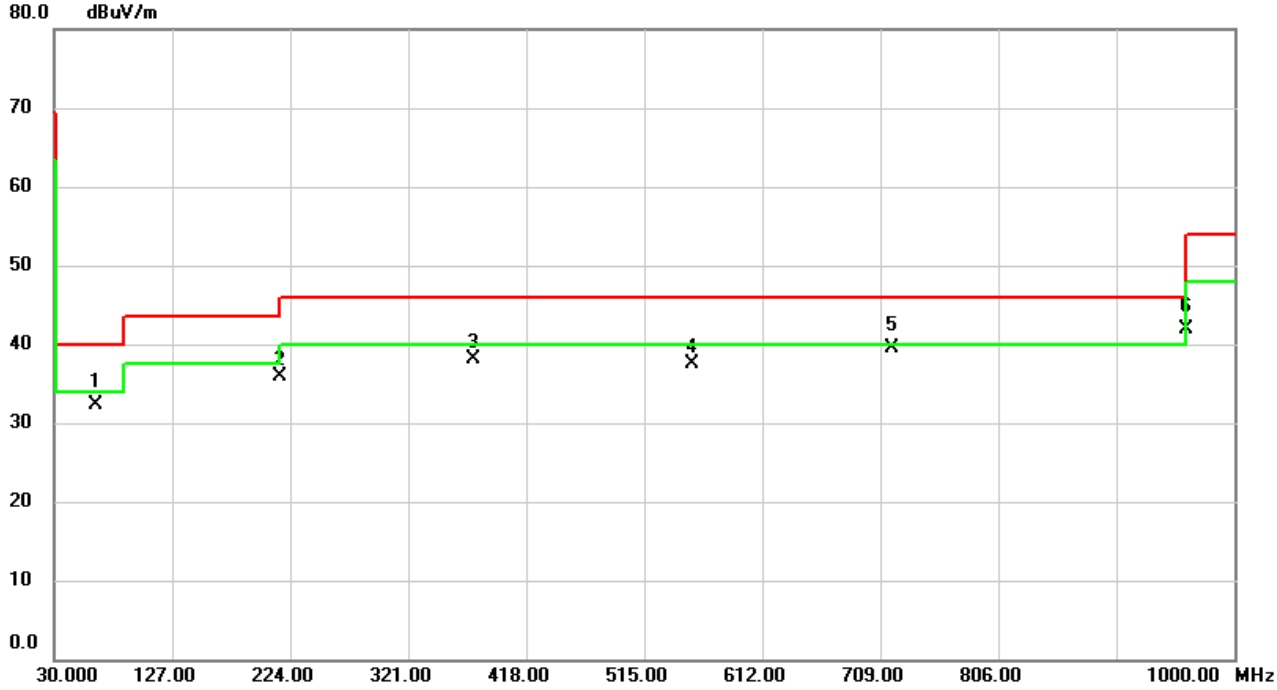


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1748	44.04	9.68	53.72	64.73	-11.01	QP	
2	*	0.1748	37.98	9.68	47.66	54.73	-7.07	AVG	
3		0.3412	33.54	9.68	43.22	59.17	-15.95	QP	
4		0.3412	25.67	9.68	35.35	49.17	-13.82	AVG	
5		0.5482	23.93	9.68	33.61	56.00	-22.39	QP	
6		0.5482	14.96	9.68	24.64	46.00	-21.36	AVG	
7		1.3650	23.25	9.70	32.95	56.00	-23.05	QP	
8		1.3650	14.87	9.70	24.57	46.00	-21.43	AVG	
9		7.4085	35.44	9.87	45.31	60.00	-14.69	QP	
10		7.4085	27.98	9.87	37.85	50.00	-12.15	AVG	
11		19.8915	20.95	9.96	30.91	60.00	-29.09	QP	
12		19.8915	12.17	9.96	22.13	50.00	-27.87	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

APPENDIX B RADIATED EMISSIONS - 30 MHZ TO 1 GHZ

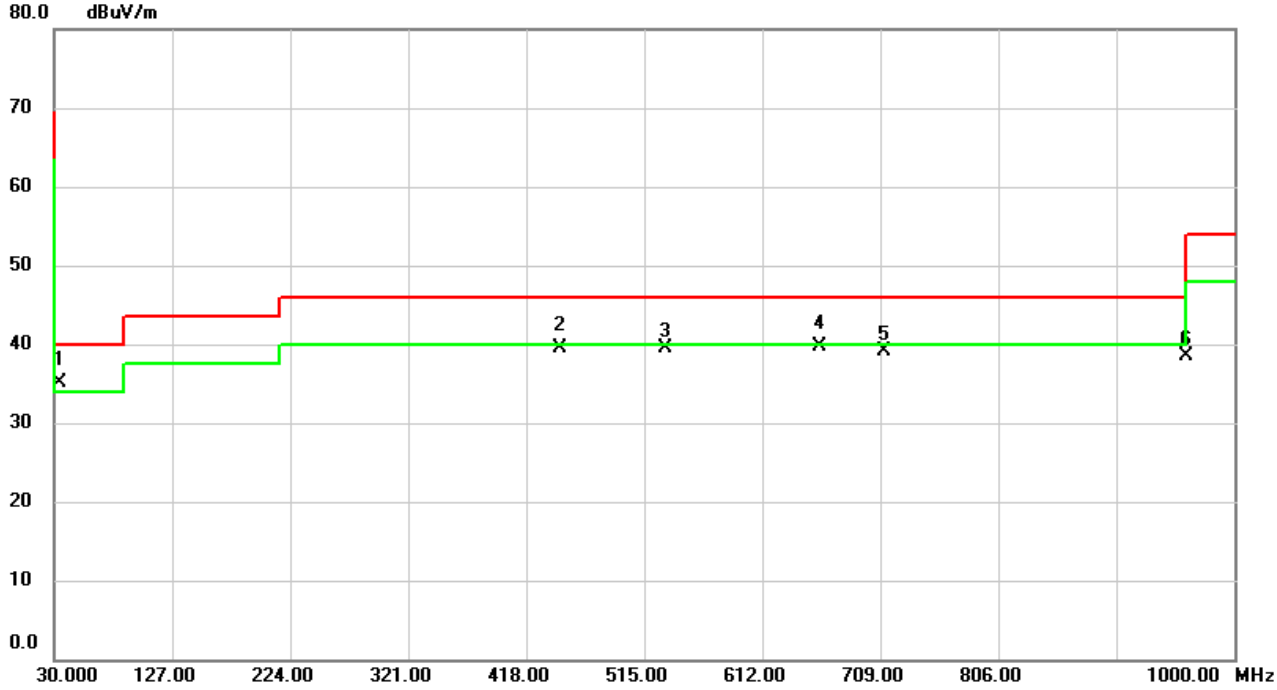
Test Mode	IEEE 802.11n (HT40)	Test Date	2021/2/8
Test Frequency	2422MHz	Polarization	Horizontal
Temp	23°C	Hum.	67%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		64.5643	41.89	-9.57	32.32	40.00	-7.68	QP	
2		216.0460	46.70	-10.82	35.88	46.00	-10.12	peak	
3		375.0290	43.69	-5.49	38.20	46.00	-7.80	peak	
4		554.1233	39.24	-1.70	37.54	46.00	-8.46	peak	
5		718.9586	38.26	1.23	39.49	46.00	-6.51	QP	
6	*	959.9713	36.75	5.20	41.95	46.00	-4.05	QP	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	IEEE 802.11n (HT40)	Test Date	2021/2/8
Test Frequency	2422MHz	Polarization	Vertical
Temp	23°C	Hum.	67%

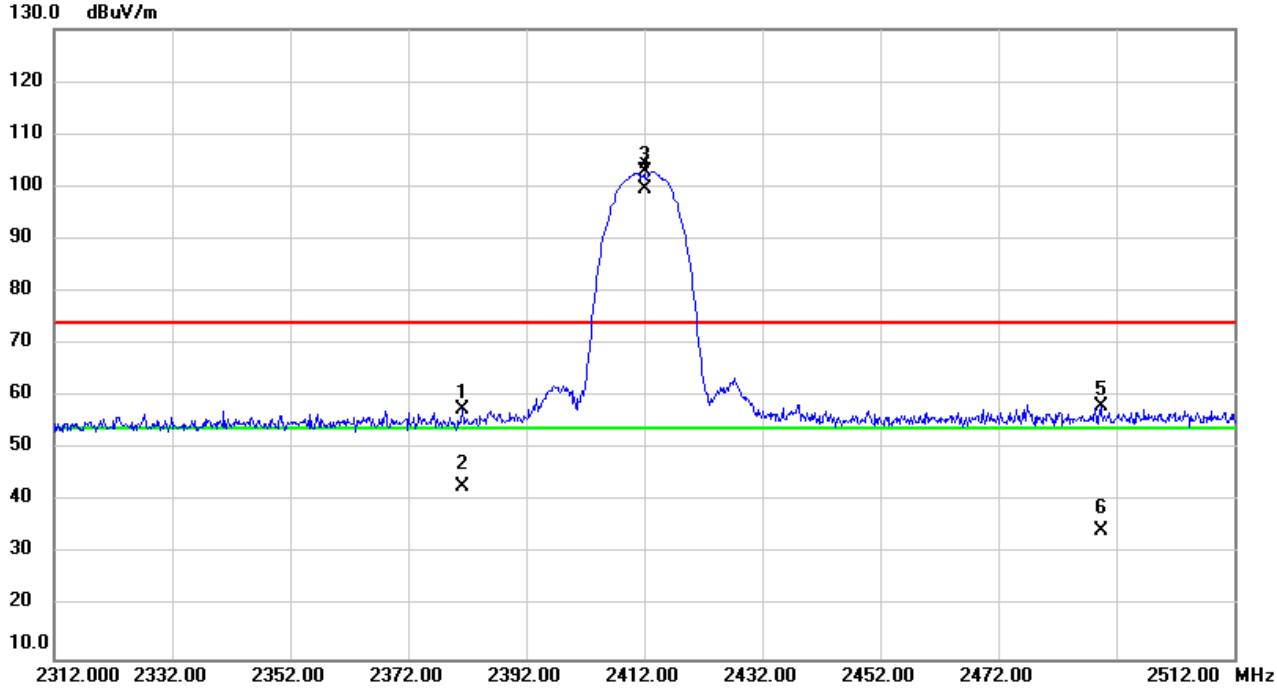


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	34.9147	44.22	-9.03	35.19	40.00	-4.81	QP	
2		445.5157	43.38	-3.79	39.59	46.00	-6.41	QP	
3		532.0397	41.62	-2.14	39.48	46.00	-6.52	peak	
4		658.9157	39.53	0.18	39.71	46.00	-6.29	QP	
5		711.6513	37.96	1.07	39.03	46.00	-6.97	peak	
6		960.0683	33.26	5.20	38.46	54.00	-15.54	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

APPENDIX C RADIATED EMISSIONS - ABOVE 1 GHZ

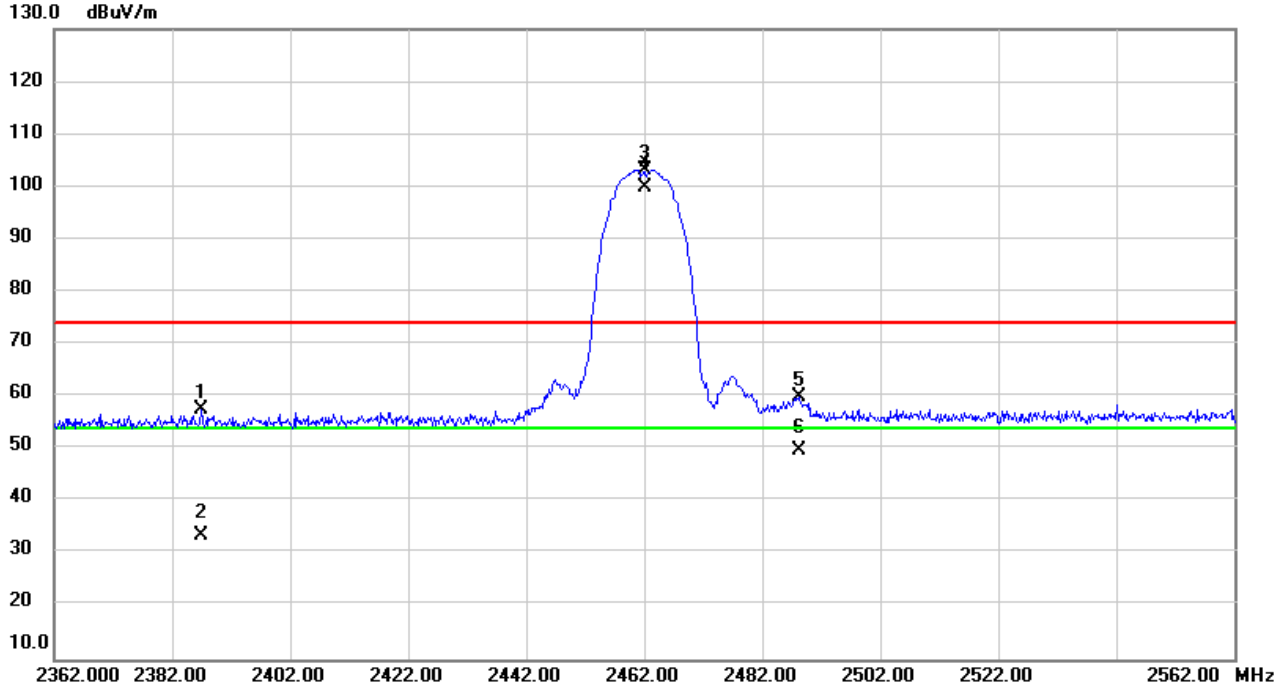
Test Mode	IEEE 802.11b	Test Date	2021/1/18
Test Frequency	2412MHz	Polarization	Vertical
Temp	21°C	Hum.	70%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2381.273	26.81	30.76	57.57	74.00	-16.43	peak	
2		2381.273	12.06	30.76	42.82	54.00	-11.18	AVG	
3	X	2412.000	71.92	30.88	102.80	74.00	28.80	peak	NoLimit
4	*	2412.000	68.52	30.88	99.40	54.00	45.40	AVG	NoLimit
5		2489.380	26.87	31.18	58.05	74.00	-15.95	peak	
6		2489.380	3.35	31.18	34.53	54.00	-19.47	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

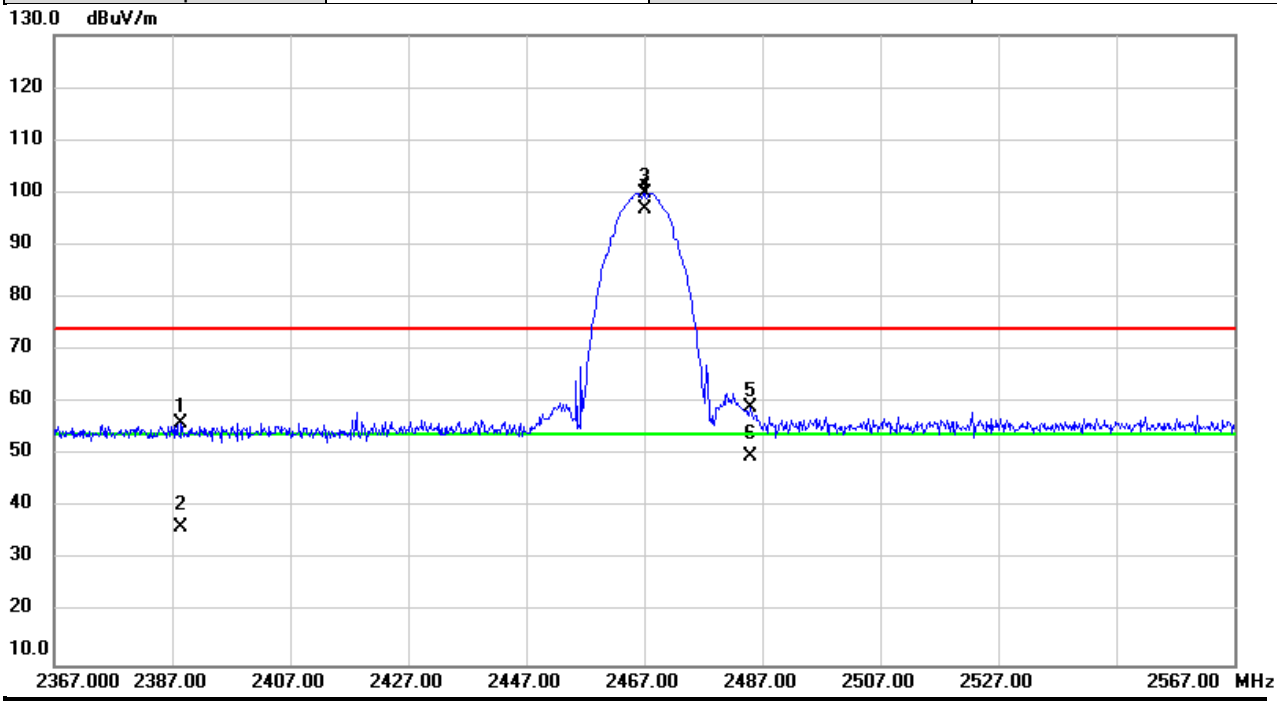
Test Mode	IEEE 802.11b	Test Date	2021/1/18
Test Frequency	2462MHz	Polarization	Vertical
Temp	21°C	Hum.	70%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2386.873	26.90	30.78	57.68	74.00	-16.32	peak	
2		2386.873	2.89	30.78	33.67	54.00	-20.33	AVG	
3	X	2462.000	72.11	31.08	103.19	74.00	29.19	peak	NoLimit
4	*	2462.000	68.90	31.08	99.98	54.00	45.98	AVG	NoLimit
5		2488.167	28.90	31.18	60.08	74.00	-13.92	peak	
6		2488.167	18.58	31.18	49.76	54.00	-4.24	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

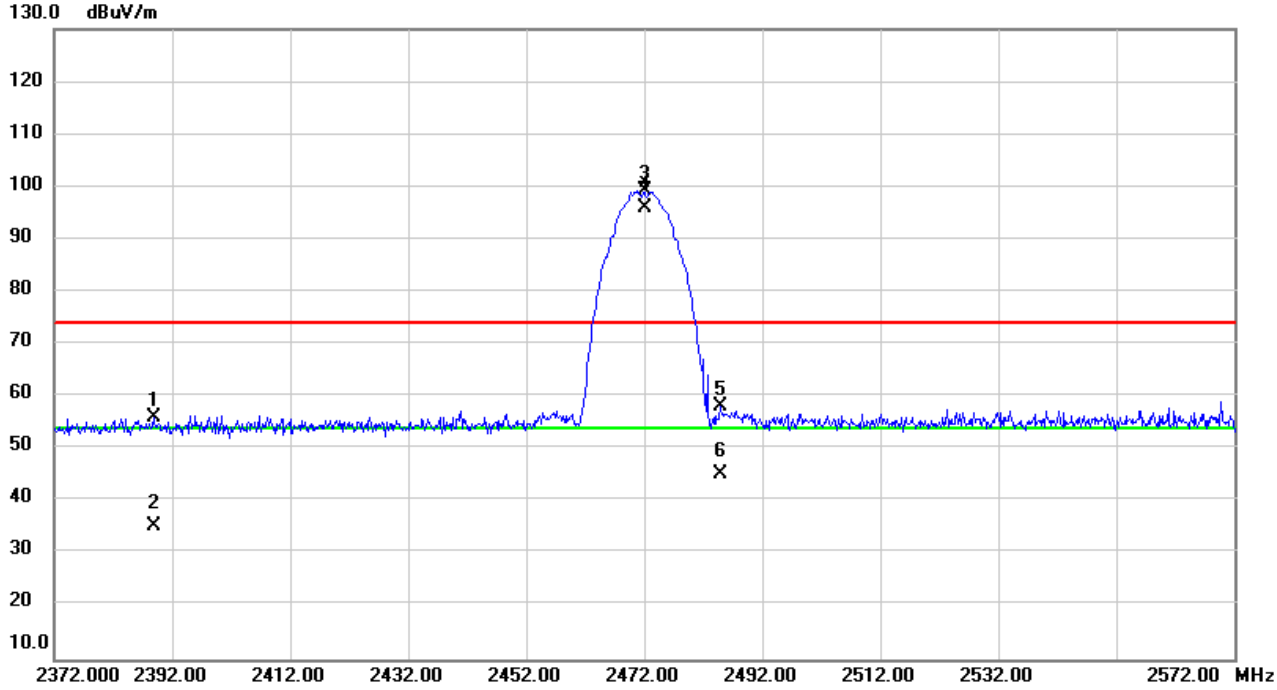
Test Mode	IEEE 802.11b	Test Date	2021/2/5
Test Frequency	2467MHz	Polarization	Vertical
Temp	23°C	Hum.	67%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2388.567	25.30	30.78	56.08	74.00	-17.92	peak	
2		2388.567	5.59	30.78	36.37	54.00	-17.63	AVG	
3	X	2467.000	68.85	31.10	99.95	74.00	25.95	peak	NoLimit
4	*	2467.000	65.86	31.10	96.96	54.00	42.96	AVG	NoLimit
5		2485.100	27.98	31.17	59.15	74.00	-14.85	peak	
6		2485.100	18.65	31.17	49.82	54.00	-4.18	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

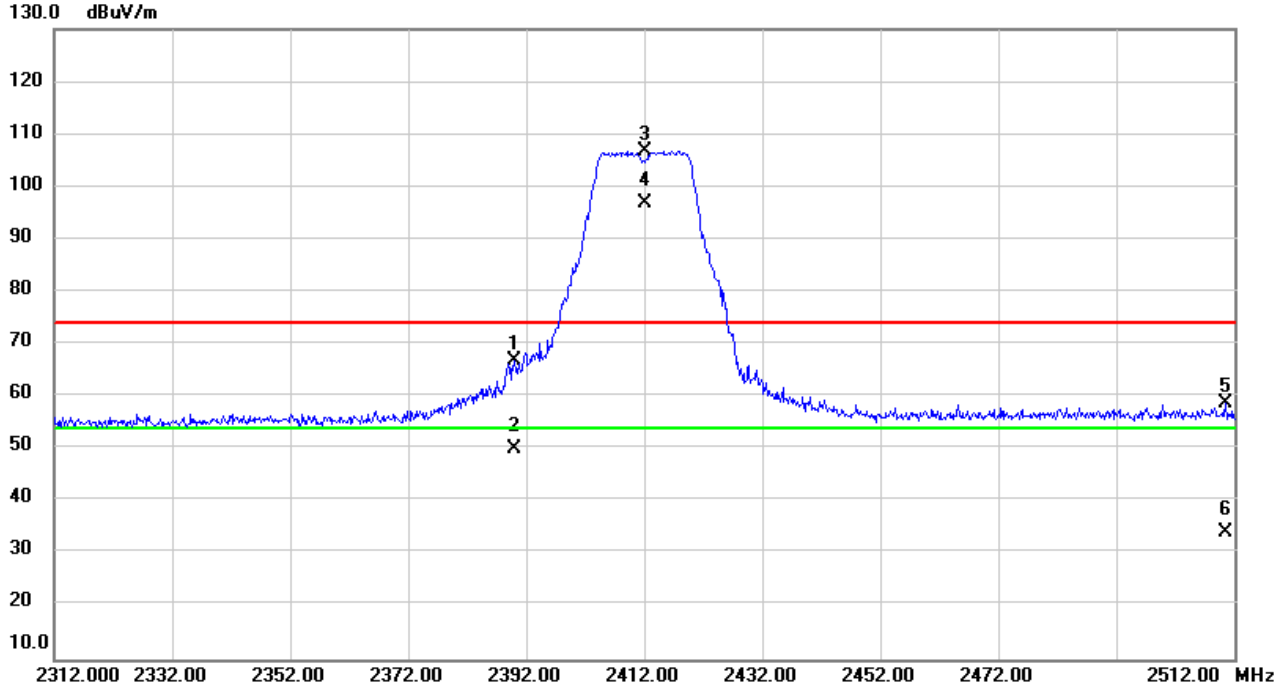
Test Mode	IEEE 802.11b	Test Date	2021/2/5
Test Frequency	2472MHz	Polarization	Vertical
Temp	23°C	Hum.	67%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2388.887	25.27	30.78	56.05	74.00	-17.95	peak	
2		2388.887	4.62	30.78	35.40	54.00	-18.60	AVG	
3	X	2472.000	68.01	31.11	99.12	74.00	25.12	peak	NoLimit
4	*	2472.000	64.81	31.11	95.92	54.00	41.92	AVG	NoLimit
5		2484.853	27.00	31.17	58.17	74.00	-15.83	peak	
6		2484.853	14.23	31.17	45.40	54.00	-8.60	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

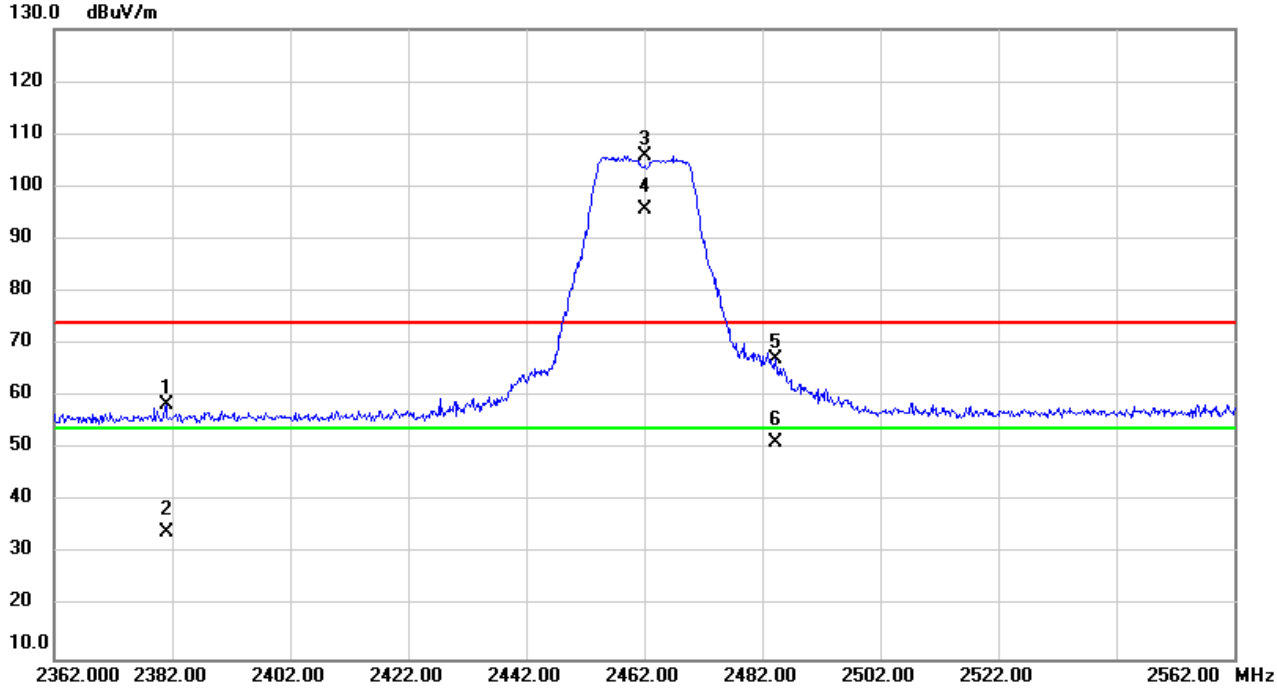
Test Mode	IEEE 802.11g	Test Date	2021/1/18
Test Frequency	2412MHz	Polarization	Vertical
Temp	21°C	Hum.	70%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	35.99	30.79	66.78	74.00	-7.22	peak	
2		2390.000	19.33	30.79	50.12	54.00	-3.88	AVG	
3	X	2412.000	75.81	30.88	106.69	74.00	32.69	peak	NoLimit
4	*	2412.000	66.02	30.88	96.90	54.00	42.90	AVG	NoLimit
5		2510.460	27.47	31.27	58.74	74.00	-15.26	peak	
6		2510.460	3.02	31.27	34.29	54.00	-19.71	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

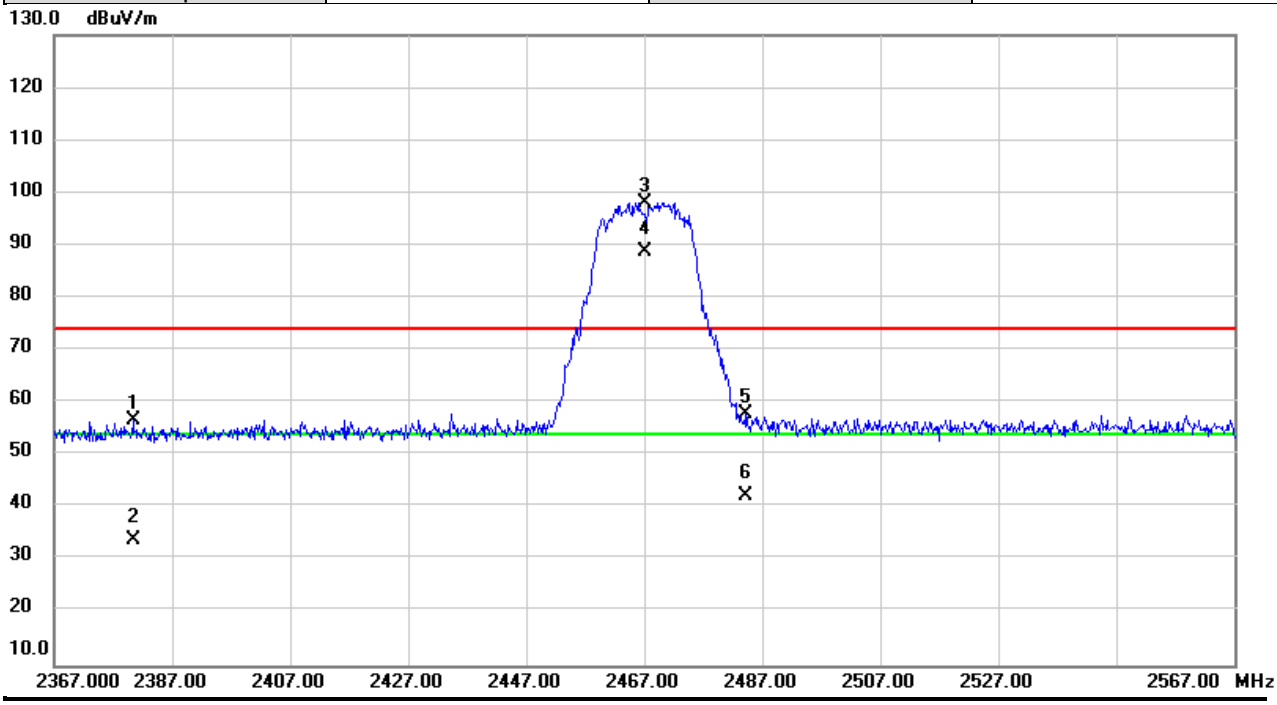
Test Mode	IEEE 802.11g	Test Date	2021/1/18
Test Frequency	2462MHz	Polarization	Vertical
Temp	21°C	Hum.	70%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2381.000	27.63	30.76	58.39	74.00	-15.61	peak	
2		2381.000	3.47	30.76	34.23	54.00	-19.77	AVG	
3	X	2462.000	74.74	31.08	105.82	74.00	31.82	peak	NoLimit
4	*	2462.000	64.57	31.08	95.65	54.00	41.65	AVG	NoLimit
5		2484.200	35.96	31.17	67.13	74.00	-6.87	peak	
6		2484.200	20.10	31.17	51.27	54.00	-2.73	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

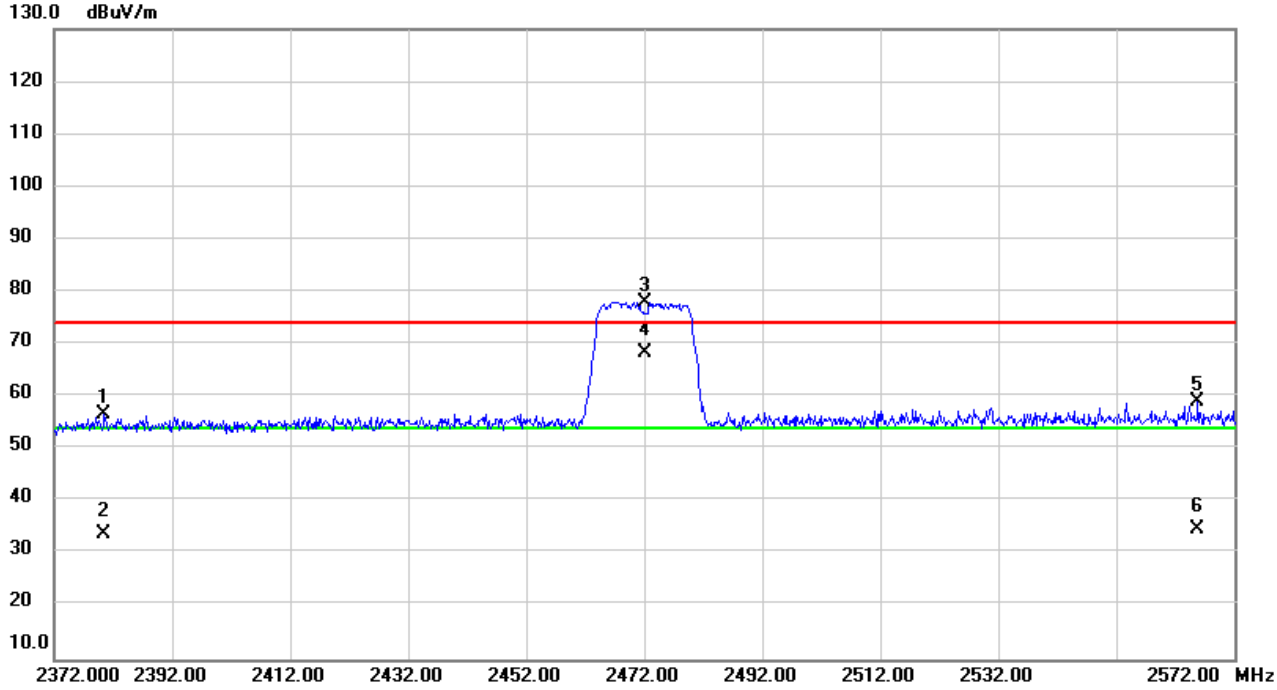
Test Mode	IEEE 802.11g	Test Date	2021/2/5
Test Frequency	2467MHz	Polarization	Vertical
Temp	23°C	Hum.	67%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2380.347	25.87	30.75	56.62	74.00	-17.38	peak	
2		2380.347	3.19	30.75	33.94	54.00	-20.06	AVG	
3	X	2467.000	67.03	31.10	98.13	74.00	24.13	peak	NoLimit
4	*	2467.000	57.75	31.10	88.85	54.00	34.85	AVG	NoLimit
5		2484.247	26.64	31.17	57.81	74.00	-16.19	peak	
6		2484.247	10.95	31.17	42.12	54.00	-11.88	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

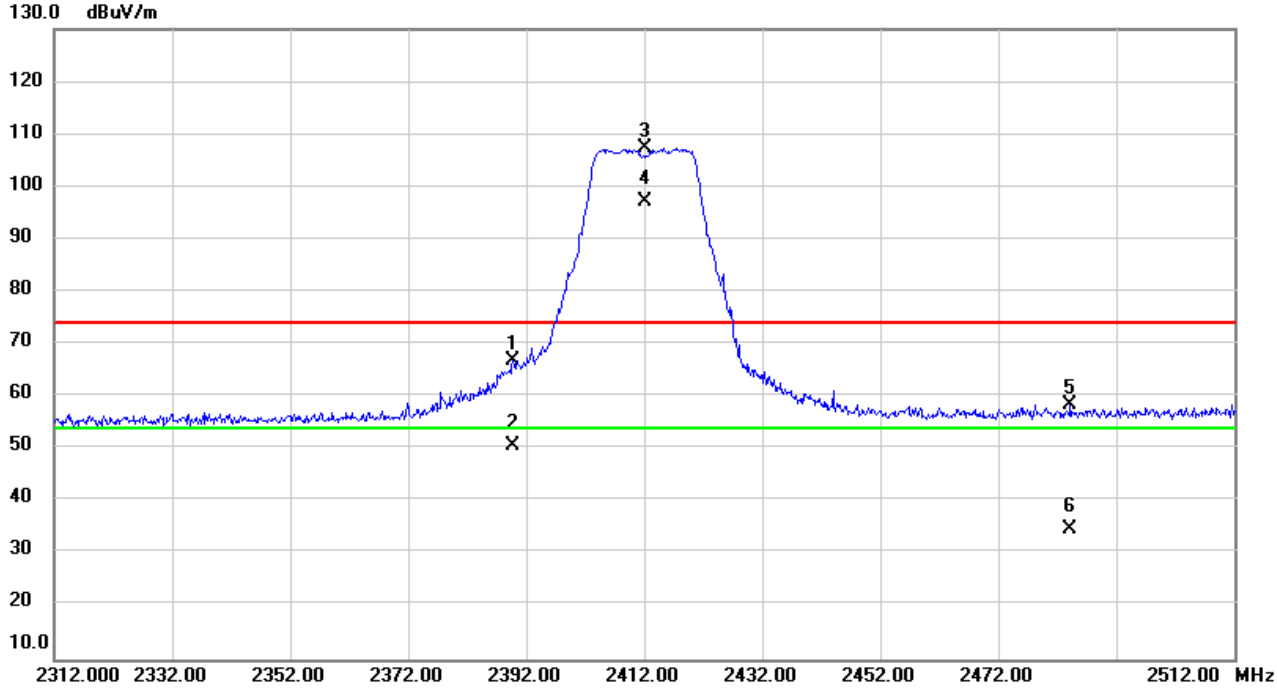
Test Mode	IEEE 802.11g	Test Date	2021/2/5
Test Frequency	2472MHz	Polarization	Vertical
Temp	23°C	Hum.	67%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2380.433	25.87	30.75	56.62	74.00	-17.38	peak	
2		2380.433	2.97	30.75	33.72	54.00	-20.28	AVG	
3	X	2472.000	46.90	31.11	78.01	74.00	4.01	peak	NoLimit
4	*	2472.000	37.31	31.11	68.42	54.00	14.42	AVG	NoLimit
5		2565.827	27.44	31.50	58.94	74.00	-15.06	peak	
6		2565.827	3.17	31.50	34.67	54.00	-19.33	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

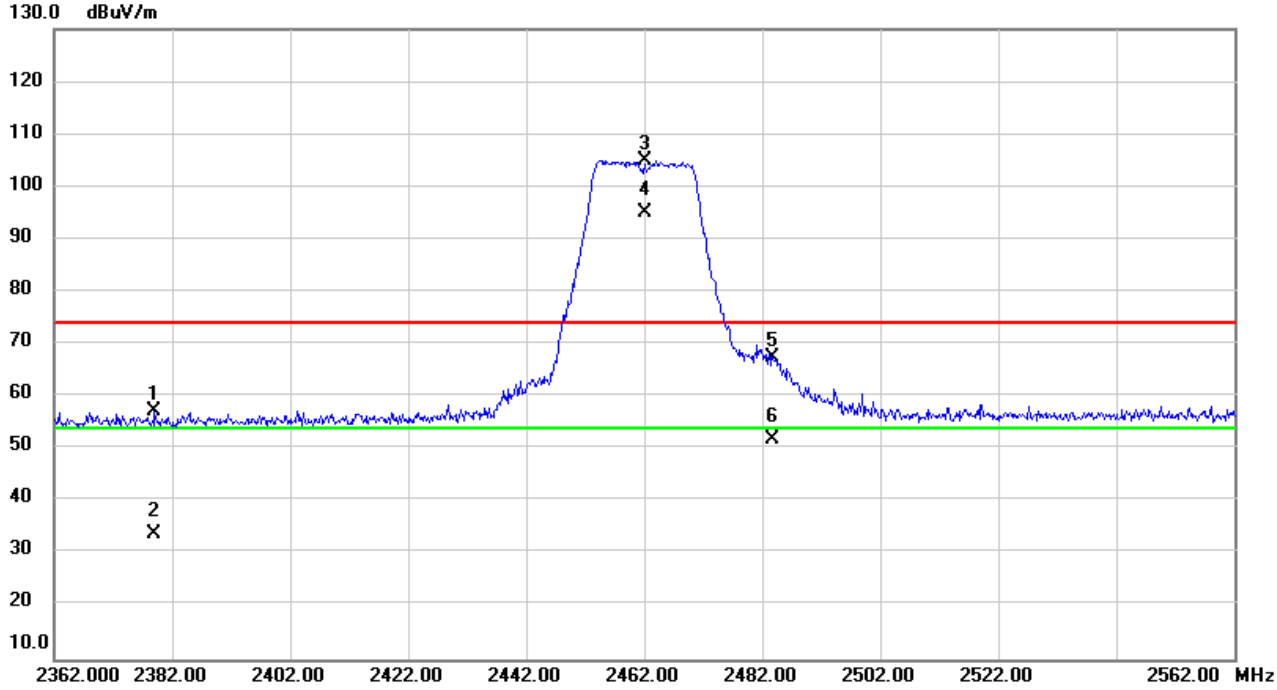
Test Mode	IEEE 802.11n (HT20)	Test Date	2021/1/18
Test Frequency	2412MHz	Polarization	Vertical
Temp	21°C	Hum.	70%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2389.800	36.20	30.79	66.99	74.00	-7.01	peak	
2		2389.800	19.95	30.79	50.74	54.00	-3.26	AVG	
3	X	2412.000	76.40	30.88	107.28	74.00	33.28	peak	NoLimit
4	*	2412.000	66.18	30.88	97.06	54.00	43.06	AVG	NoLimit
5		2484.200	27.23	31.17	58.40	74.00	-15.60	peak	
6		2484.200	3.58	31.17	34.75	54.00	-19.25	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

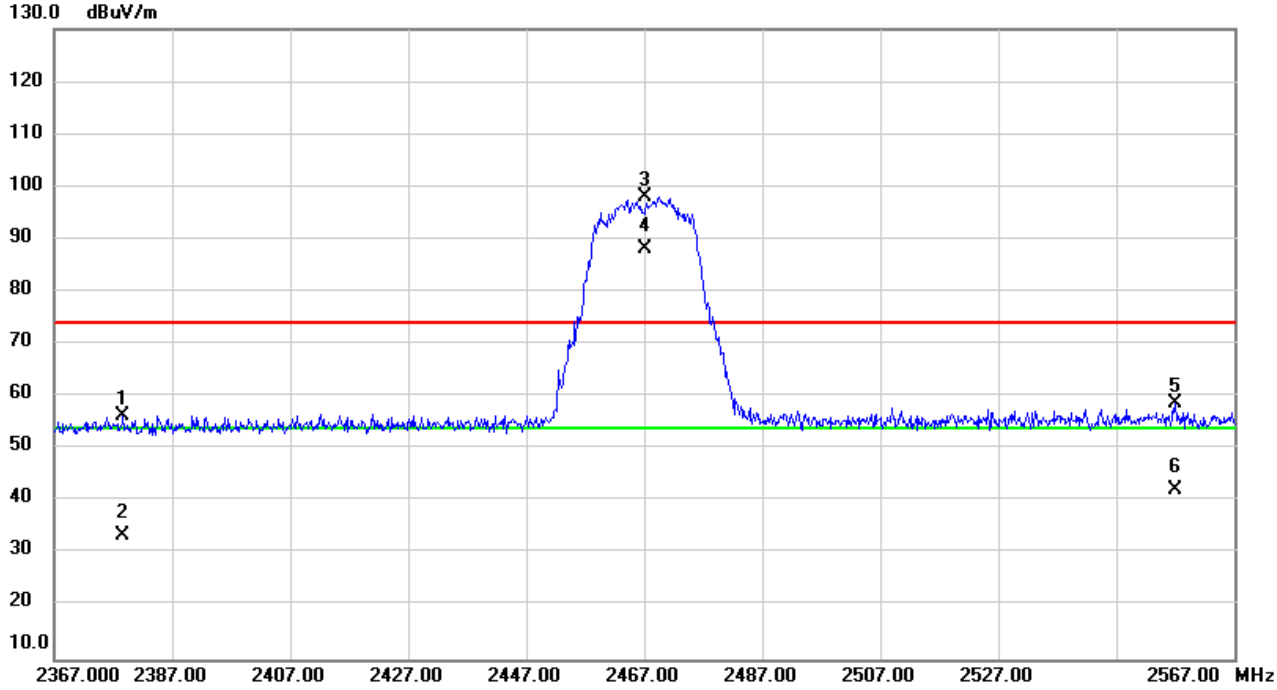
Test Mode	IEEE 802.11n (HT20)	Test Date	2021/1/18
Test Frequency	2462MHz	Polarization	Vertical
Temp	21°C	Hum.	70%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2379.000	26.36	30.75	57.11	74.00	-16.89	peak	
2		2379.000	3.21	30.75	33.96	54.00	-20.04	AVG	
3	X	2462.000	73.82	31.08	104.90	74.00	30.90	peak	NoLimit
4	*	2462.000	64.00	31.08	95.08	54.00	41.08	AVG	NoLimit
5		2483.800	36.24	31.16	67.40	74.00	-6.60	peak	
6		2483.800	20.56	31.16	51.72	54.00	-2.28	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

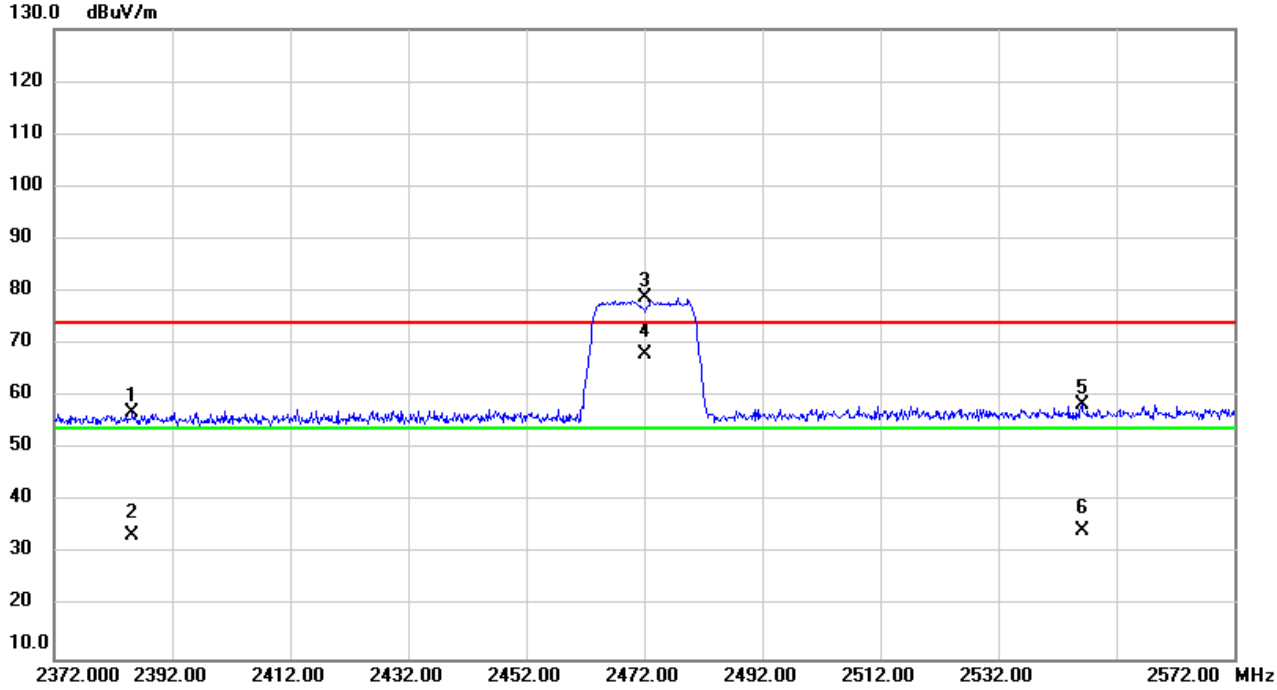
Test Mode	IEEE 802.11n (HT20)	Test Date	2021/2/5
Test Frequency	2467MHz	Polarization	Vertical
Temp	23°C	Hum.	67%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2378.613	25.47	30.75	56.22	74.00	-17.78	peak	
2		2378.613	2.79	30.75	33.54	54.00	-20.46	AVG	
3	X	2467.000	66.92	31.10	98.02	74.00	24.02	peak	NoLimit
4	*	2467.000	56.94	31.10	88.04	54.00	34.04	AVG	NoLimit
5		2557.100	27.28	31.46	58.74	74.00	-15.26	peak	
6		2557.100	10.81	31.46	42.27	54.00	-11.73	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

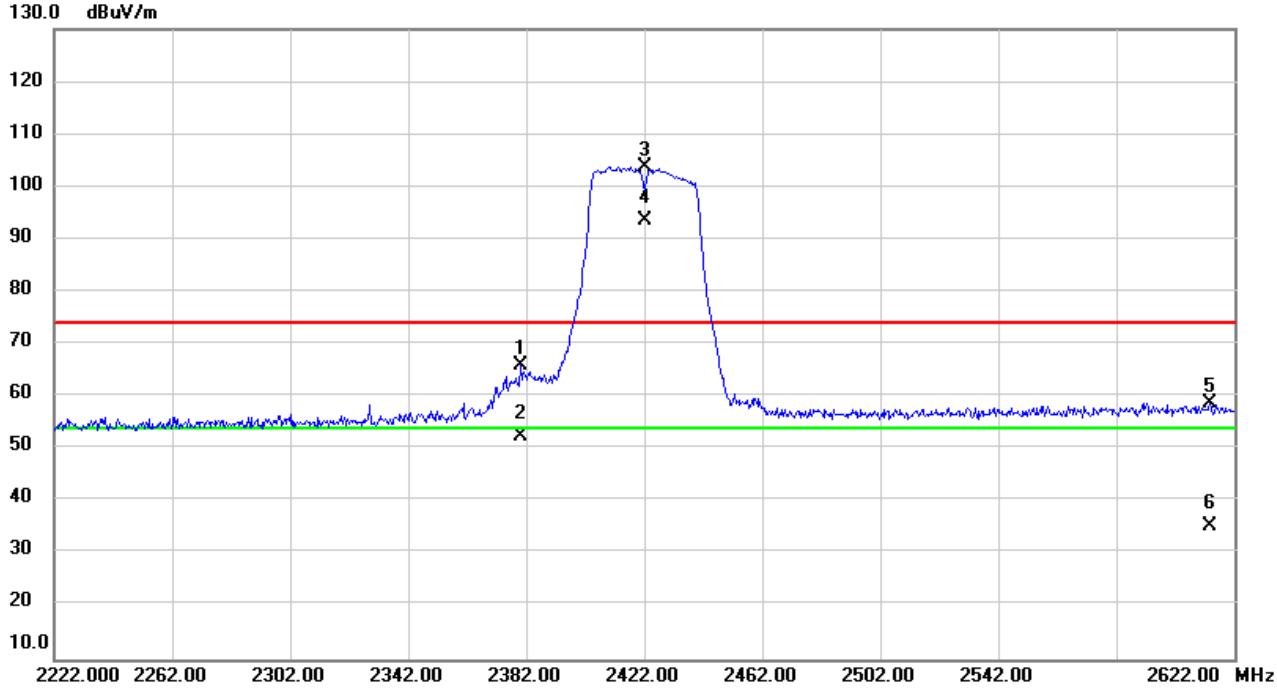
Test Mode	IEEE 802.11n (HT20)	Test Date	2021/2/5
Test Frequency	2472MHz	Polarization	Vertical
Temp	23°C	Hum.	67%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2385.227	26.13	30.77	56.90	74.00	-17.10	peak	
2		2385.227	2.86	30.77	33.63	54.00	-20.37	AVG	
3	X	2472.000	47.84	31.11	78.95	74.00	4.95	peak	NoLimit
4	*	2472.000	37.03	31.11	68.14	54.00	14.14	AVG	NoLimit
5		2546.187	27.08	31.42	58.50	74.00	-15.50	peak	
6		2546.187	3.11	31.42	34.53	54.00	-19.47	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

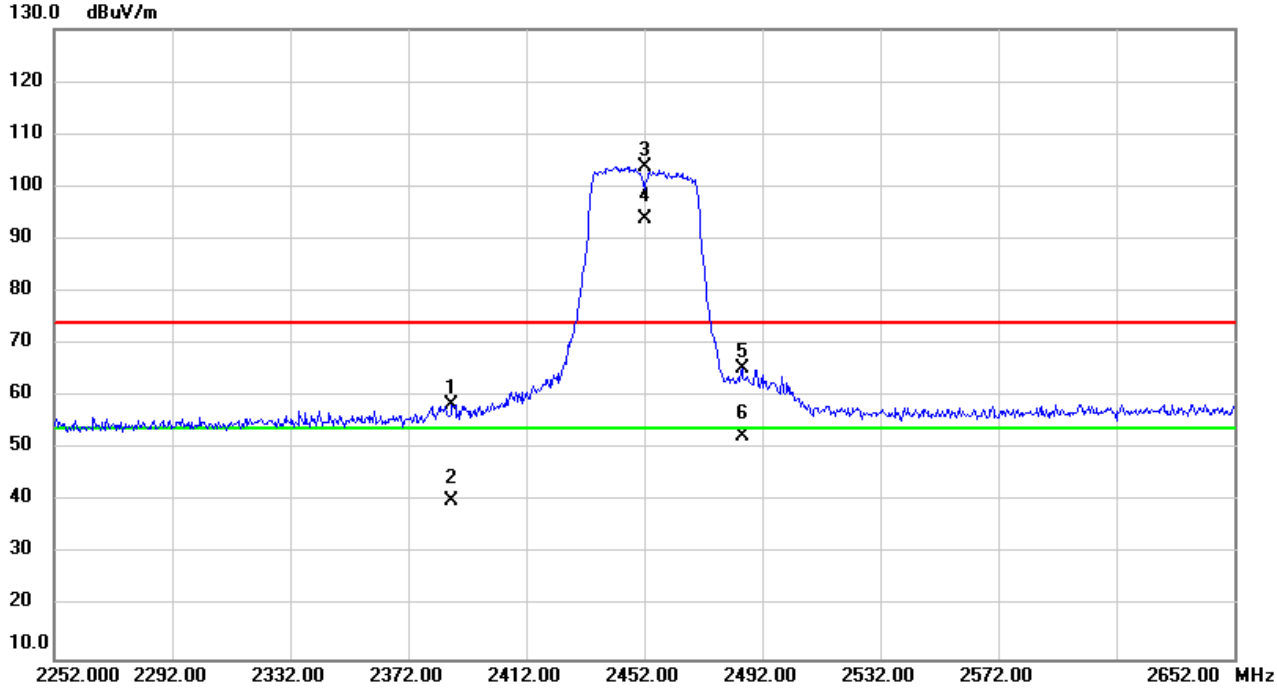
Test Mode	IEEE 802.11n (HT40)	Test Date	2021/1/18
Test Frequency	2422MHz	Polarization	Vertical
Temp	21°C	Hum.	70%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2380.000	35.18	30.75	65.93	74.00	-8.07	peak	
2		2380.000	21.66	30.75	52.41	54.00	-1.59	AVG	
3	X	2422.000	72.91	30.91	103.82	74.00	29.82	peak	NoLimit
4	*	2422.000	62.53	30.91	93.44	54.00	39.44	AVG	NoLimit
5		2613.600	27.07	31.70	58.77	74.00	-15.23	peak	
6		2613.600	3.78	31.70	35.48	54.00	-18.52	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

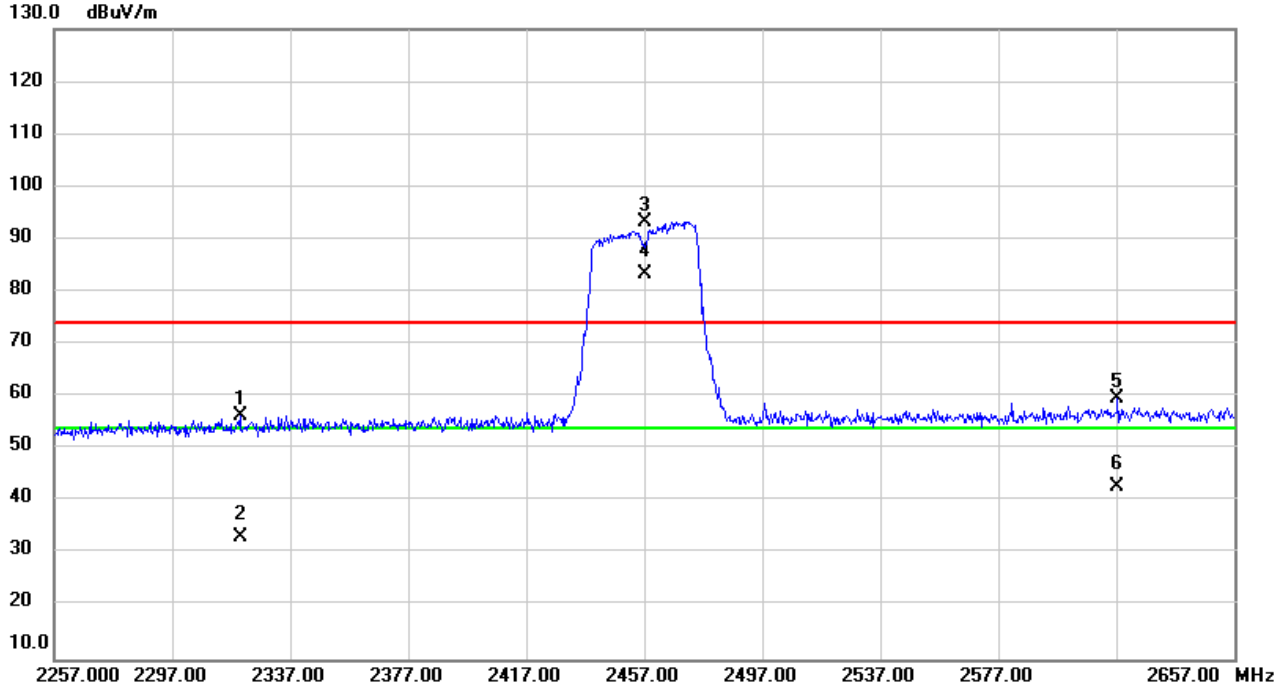
Test Mode	IEEE 802.11n (HT40)	Test Date	2021/1/18
Test Frequency	2452MHz	Polarization	Vertical
Temp	21°C	Hum.	70%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2386.800	27.60	30.78	58.38	74.00	-15.62	peak	
2		2386.800	9.38	30.78	40.16	54.00	-13.84	AVG	
3	X	2452.000	72.68	31.04	103.72	74.00	29.72	peak	NoLimit
4	*	2452.000	62.80	31.04	93.84	54.00	39.84	AVG	NoLimit
5		2485.200	34.13	31.17	65.30	74.00	-8.70	peak	
6		2485.200	21.23	31.17	52.40	54.00	-1.60	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

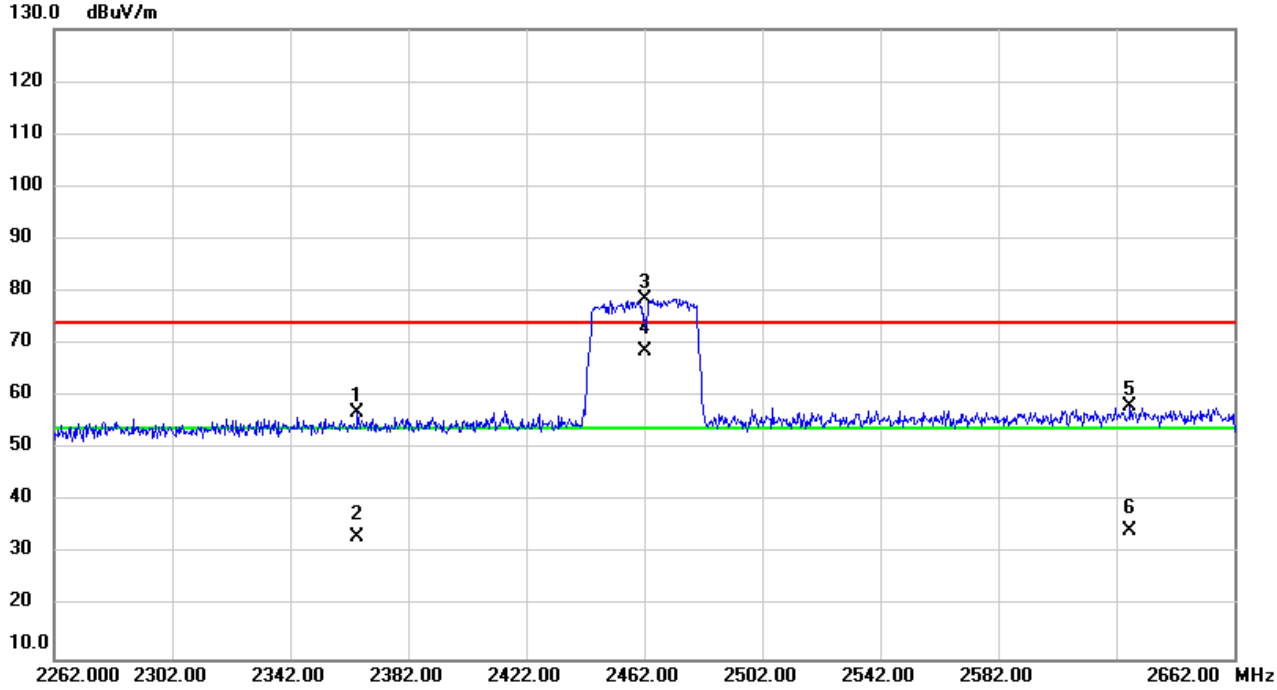
Test Mode	IEEE 802.11n (HT40)	Test Date	2021/2/8
Test Frequency	2457MHz	Polarization	Vertical
Temp	23°C	Hum.	67%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2320.013	25.77	30.51	56.28	74.00	-17.72	peak	
2		2320.013	2.87	30.51	33.38	54.00	-20.62	AVG	
3	X	2457.000	62.31	31.05	93.36	74.00	19.36	peak	NoLimit
4	*	2457.000	52.28	31.05	83.33	54.00	29.33	AVG	NoLimit
5		2617.493	27.83	31.72	59.55	74.00	-14.45	peak	
6		2617.493	11.26	31.72	42.98	54.00	-11.02	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

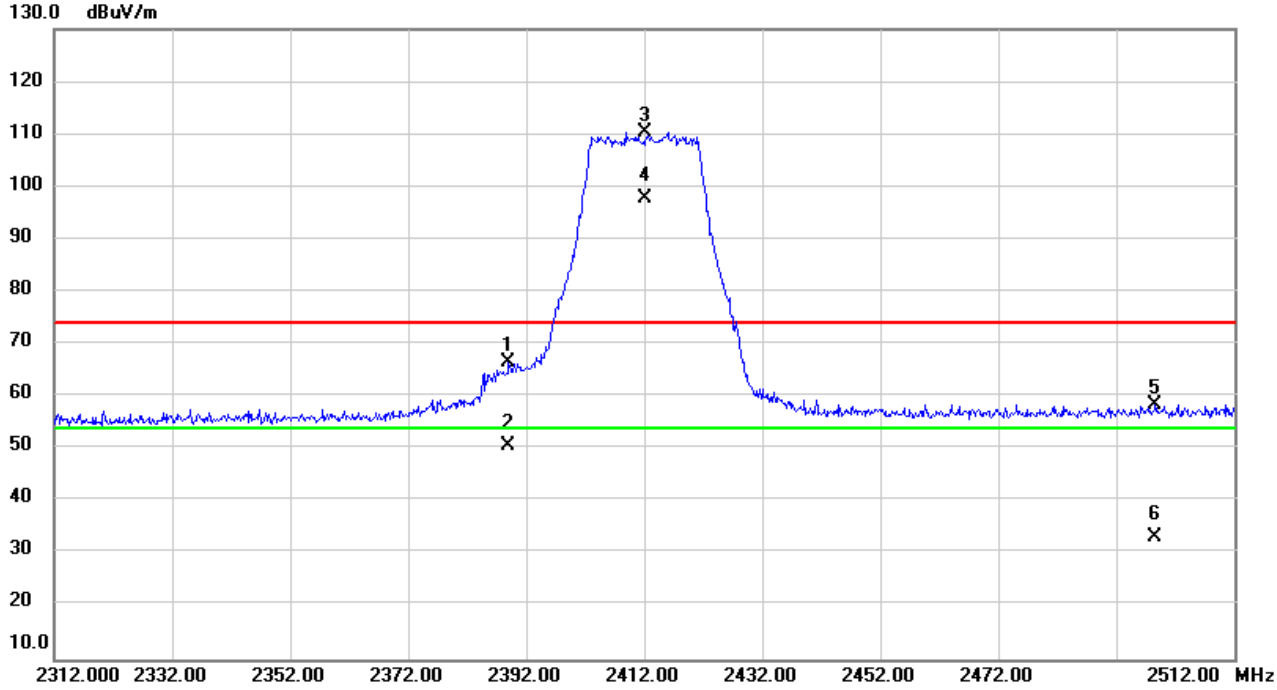
Test Mode	IEEE 802.11n (HT40)	Test Date	2021/2/8
Test Frequency	2462MHz	Polarization	Vertical
Temp	23°C	Hum.	67%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2364.867	26.26	30.69	56.95	74.00	-17.05	peak	
2		2364.867	2.61	30.69	33.30	54.00	-20.70	AVG	
3	X	2462.000	47.58	31.08	78.66	74.00	4.66	peak	NoLimit
4	*	2462.000	37.65	31.08	68.73	54.00	14.73	AVG	NoLimit
5		2626.747	26.40	31.76	58.16	74.00	-15.84	peak	
6		2626.747	2.74	31.76	34.50	54.00	-19.50	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

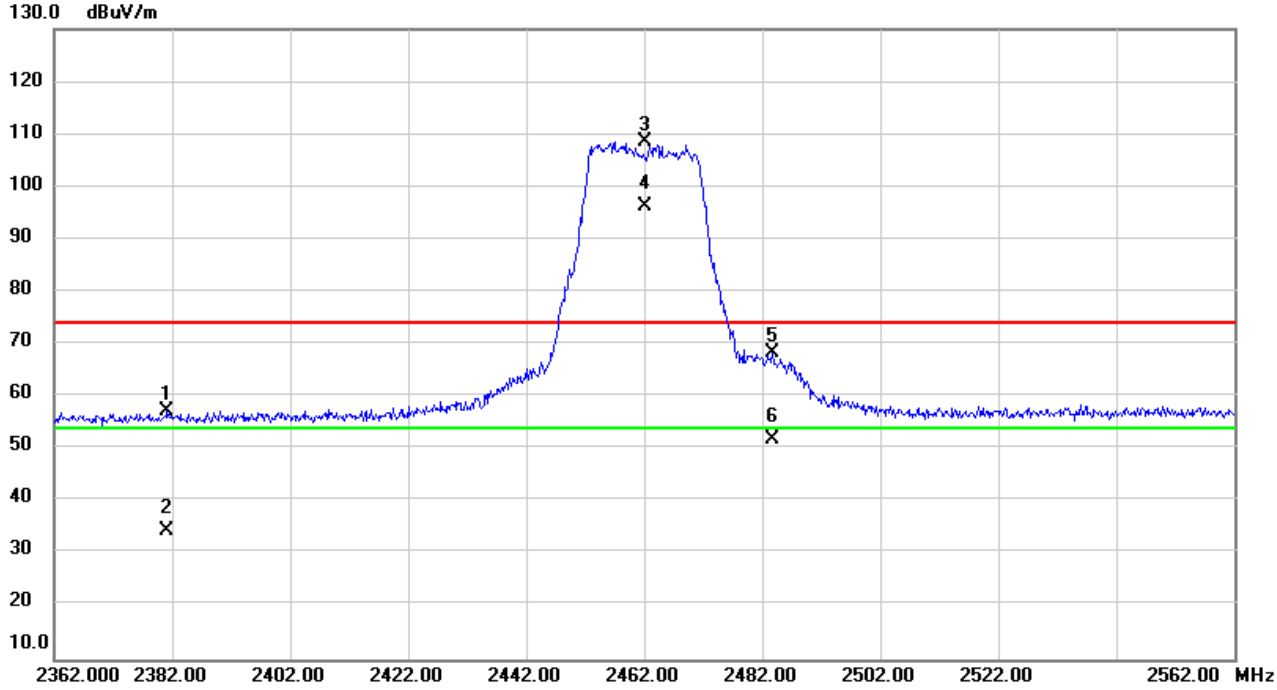
Test Mode	IEEE 802.11ax (HEW20)	Test Date	2021/1/18
Test Frequency	2412MHz	Polarization	Vertical
Temp	21°C	Hum.	70%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2389.000	35.68	30.78	66.46	74.00	-7.54	peak	
2		2389.000	19.74	30.78	50.52	54.00	-3.48	AVG	
3	X	2412.000	79.45	30.88	110.33	74.00	36.33	peak	NoLimit
4	*	2412.000	66.80	30.88	97.68	54.00	43.68	AVG	NoLimit
5		2498.600	27.22	31.23	58.45	74.00	-15.55	peak	
6		2498.600	2.02	31.23	33.25	54.00	-20.75	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

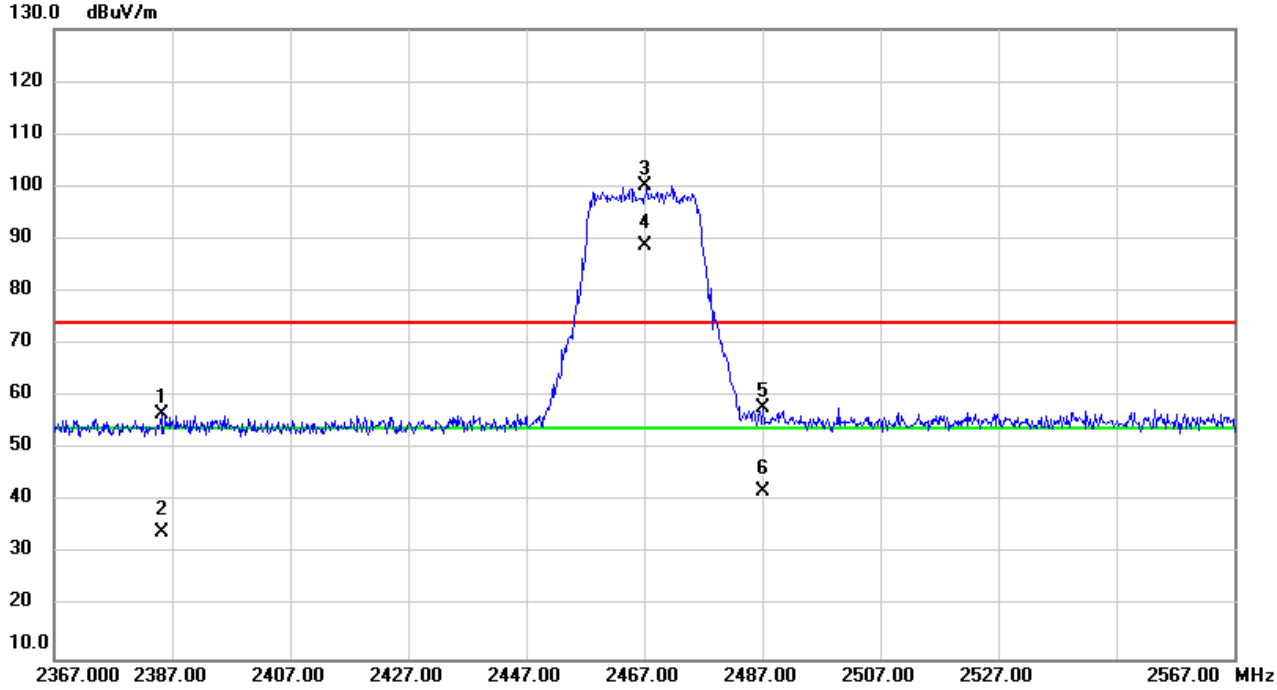
Test Mode	IEEE 802.11ax (HEW20)	Test Date	2021/1/18
Test Frequency	2462MHz	Polarization	Vertical
Temp	21°C	Hum.	70%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2381.200	26.60	30.76	57.36	74.00	-16.64	peak	
2		2381.200	3.64	30.76	34.40	54.00	-19.60	AVG	
3	X	2462.000	77.54	31.08	108.62	74.00	34.62	peak	NoLimit
4	*	2462.000	65.20	31.08	96.28	54.00	42.28	AVG	NoLimit
5		2483.800	37.32	31.16	68.48	74.00	-5.52	peak	
6		2483.800	20.79	31.16	51.95	54.00	-2.05	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

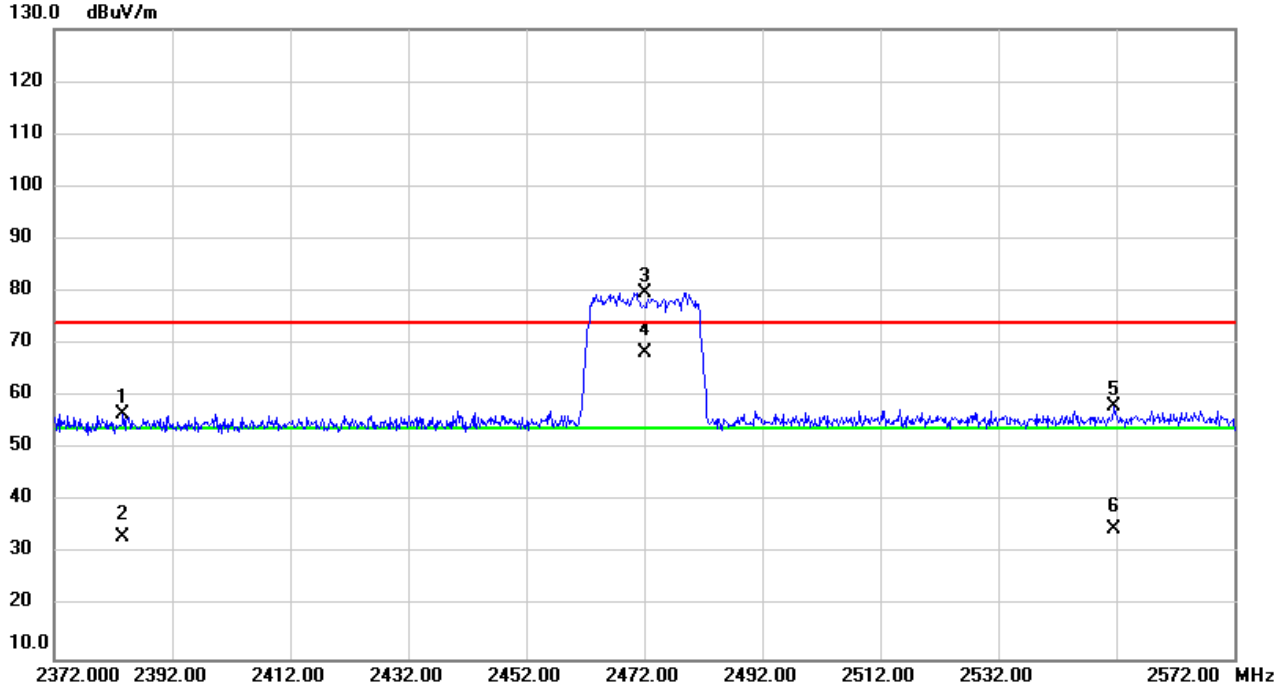
Test Mode	IEEE 802.11ax (HEW20)	Test Date	2021/2/8
Test Frequency	2467MHz	Polarization	Vertical
Temp	23°C	Hum.	67%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2385.140	25.79	30.77	56.56	74.00	-17.44	peak	
2		2385.140	3.49	30.77	34.26	54.00	-19.74	AVG	
3	X	2467.000	68.93	31.10	100.03	74.00	26.03	peak	NoLimit
4	*	2467.000	57.73	31.10	88.83	54.00	34.83	AVG	NoLimit
5		2487.167	26.62	31.18	57.80	74.00	-16.20	peak	
6		2487.167	10.70	31.18	41.88	54.00	-12.12	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

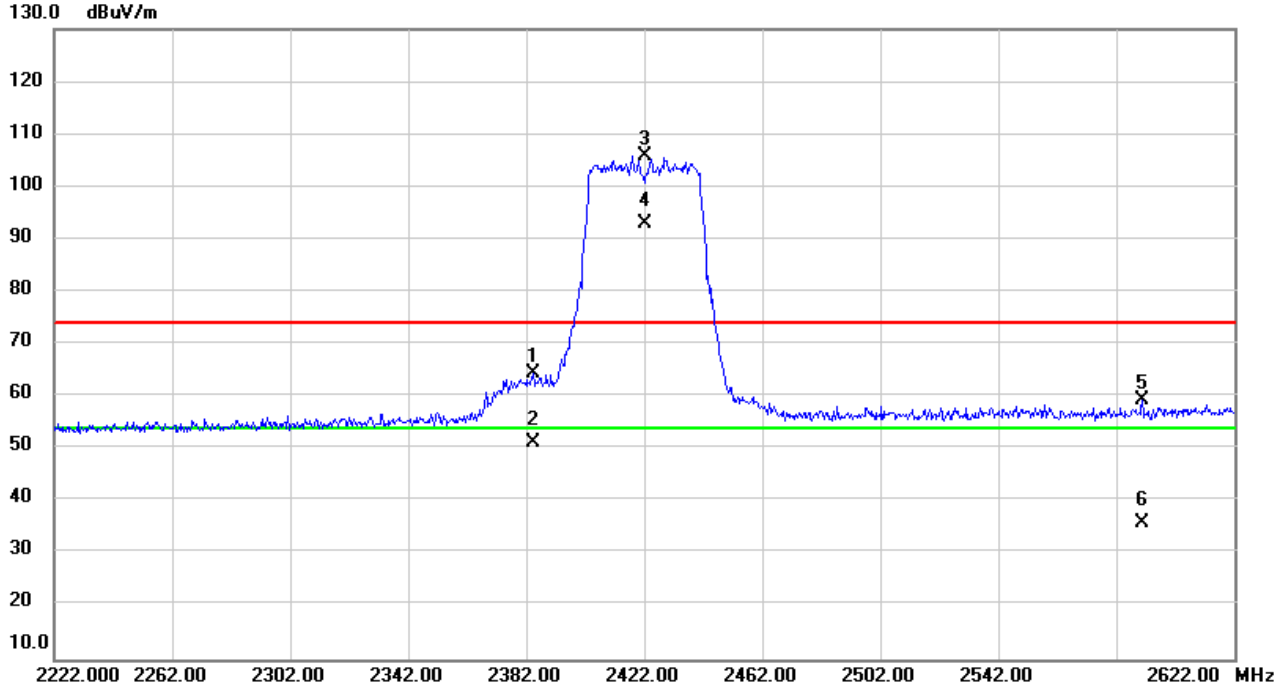
Test Mode	IEEE 802.11ax (HEW20)	Test Date	2021/2/8
Test Frequency	2472MHz	Polarization	Vertical
Temp	23°C	Hum.	67%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2383.653	25.84	30.76	56.60	74.00	-17.40	peak	
2		2383.653	2.53	30.76	33.29	54.00	-20.71	AVG	
3	X	2472.000	48.77	31.11	79.88	74.00	5.88	peak	NoLimit
4	*	2472.000	37.38	31.11	68.49	54.00	14.49	AVG	NoLimit
5		2551.600	26.58	31.45	58.03	74.00	-15.97	peak	
6		2551.600	3.18	31.45	34.63	54.00	-19.37	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

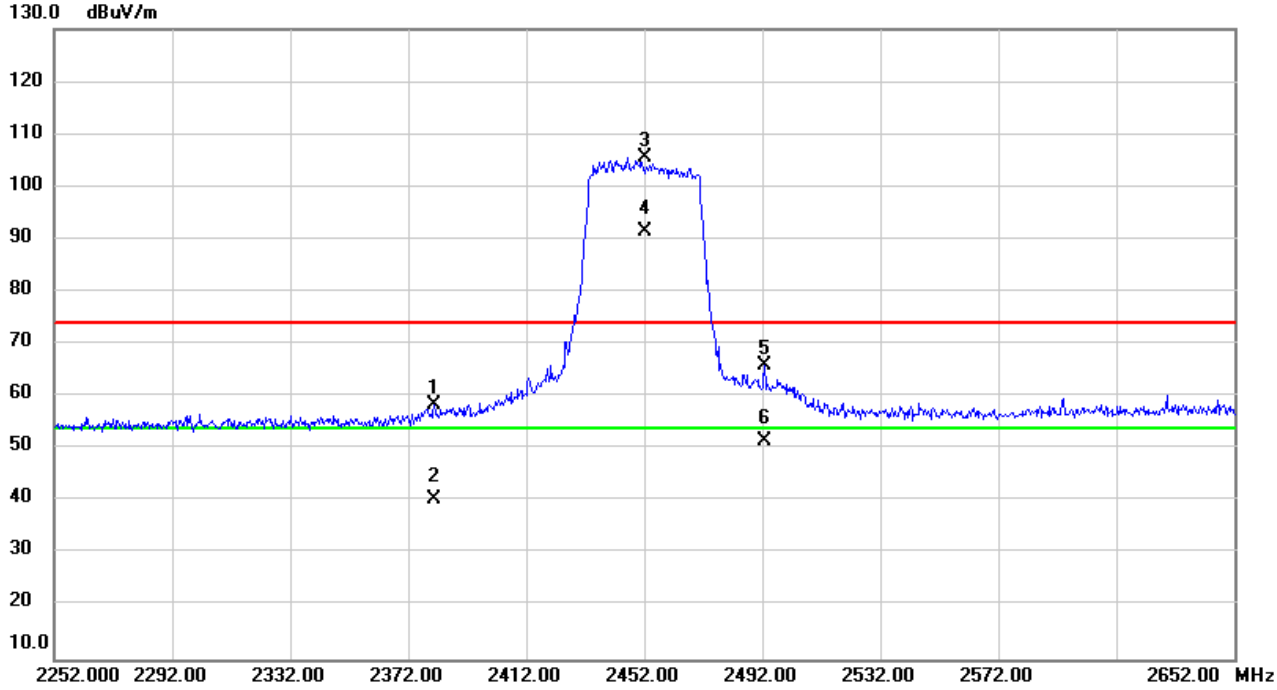
Test Mode	IEEE 802.11ax (HEW40)	Test Date	2021/1/18
Test Frequency	2422MHz	Polarization	Vertical
Temp	21°C	Hum.	70%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2384.400	33.59	30.77	64.36	74.00	-9.64	peak	
2		2384.400	20.43	30.77	51.20	54.00	-2.80	AVG	
3	X	2422.000	74.94	30.91	105.85	74.00	31.85	peak	NoLimit
4	*	2422.000	61.96	30.91	92.87	54.00	38.87	AVG	NoLimit
5		2590.800	27.72	31.61	59.33	74.00	-14.67	peak	
6		2590.800	4.39	31.61	36.00	54.00	-18.00	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

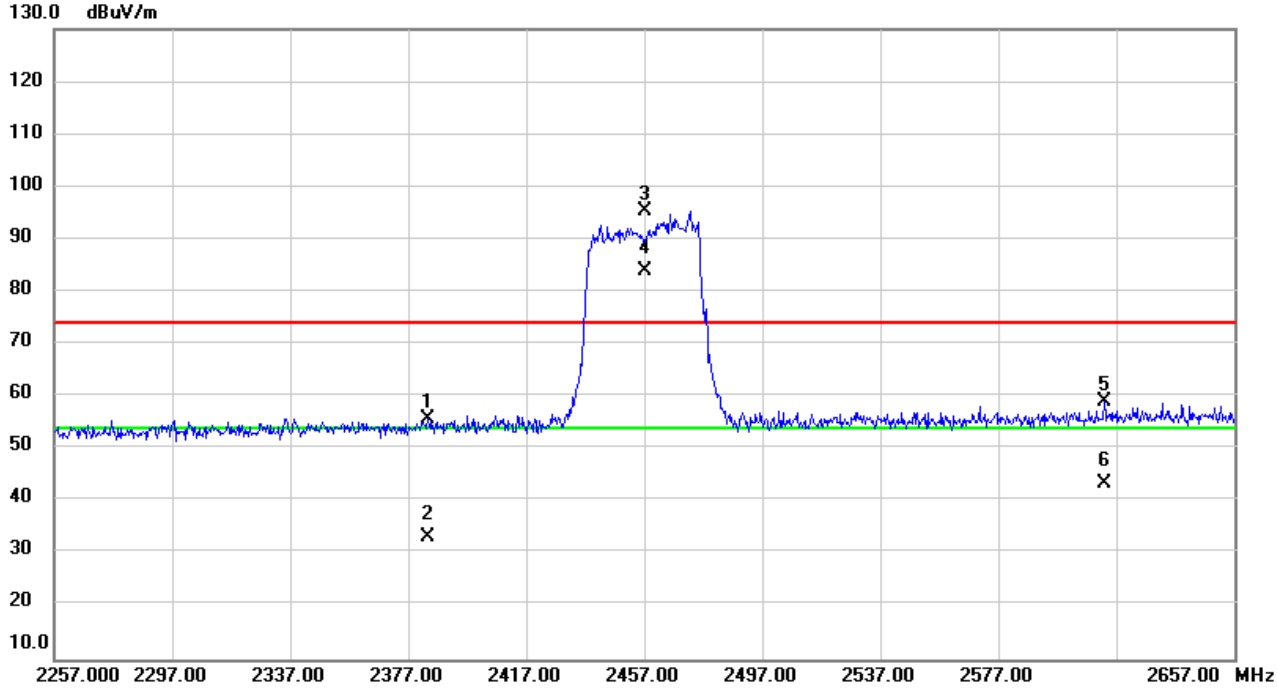
Test Mode	IEEE 802.11ax (HEW40)	Test Date	2021/1/18
Test Frequency	2452MHz	Polarization	Vertical
Temp	21°C	Hum.	70%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2380.800	27.58	30.75	58.33	74.00	-15.67	peak	
2		2380.800	9.67	30.75	40.42	54.00	-13.58	AVG	
3	X	2452.000	74.37	31.04	105.41	74.00	31.41	peak	NoLimit
4	*	2452.000	60.39	31.04	91.43	54.00	37.43	AVG	NoLimit
5		2492.800	34.67	31.21	65.88	74.00	-8.12	peak	
6		2492.800	20.41	31.21	51.62	54.00	-2.38	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

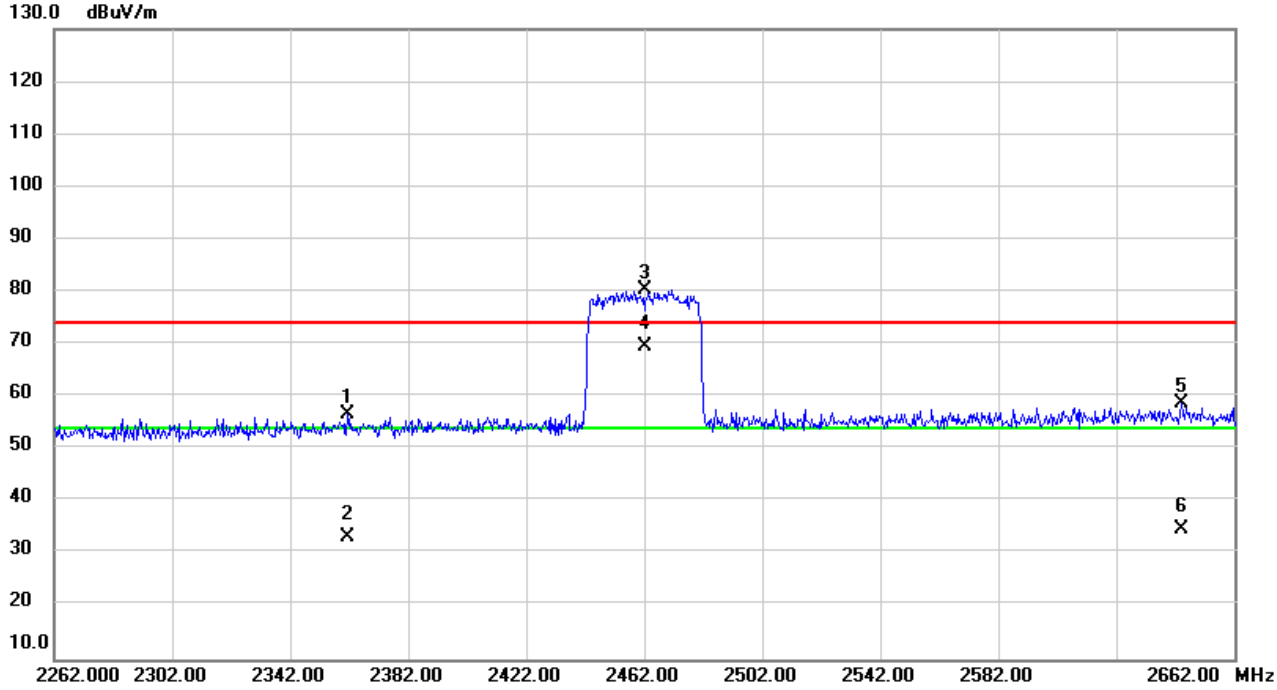
Test Mode	IEEE 802.11ax (HEW40)	Test Date	2021/2/8
Test Frequency	2457MHz	Polarization	Vertical
Temp	23°C	Hum.	67%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2383.613	25.00	30.76	55.76	74.00	-18.24	peak	
2		2383.613	2.61	30.76	33.37	54.00	-20.63	AVG	
3	X	2457.000	64.19	31.05	95.24	74.00	21.24	peak	NoLimit
4	*	2457.000	52.97	31.05	84.02	54.00	30.02	AVG	NoLimit
5		2612.840	27.49	31.70	59.19	74.00	-14.81	peak	
6		2612.840	11.78	31.70	43.48	54.00	-10.52	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	IEEE 802.11ax (HEW40)	Test Date	2021/2/8
Test Frequency	2462MHz	Polarization	Vertical
Temp	23°C	Hum.	67%

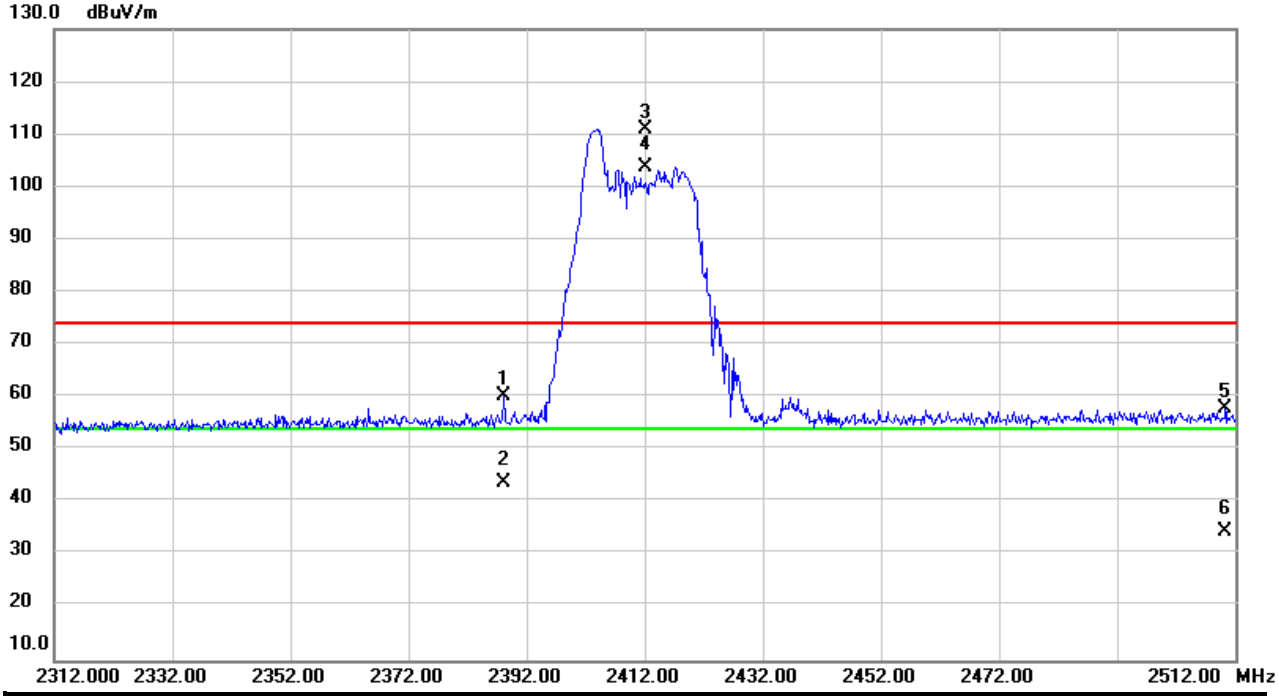


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2361.520	25.98	30.68	56.66	74.00	-17.34	peak	
2		2361.520	2.59	30.68	33.27	54.00	-20.73	AVG	
3	X	2462.000	49.25	31.08	80.33	74.00	6.33	peak	NoLimit
4	*	2462.000	38.35	31.08	69.43	54.00	15.43	AVG	NoLimit
5		2644.160	27.06	31.83	58.89	74.00	-15.11	peak	
6		2644.160	2.94	31.83	34.77	54.00	-19.23	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

RU Configuration:

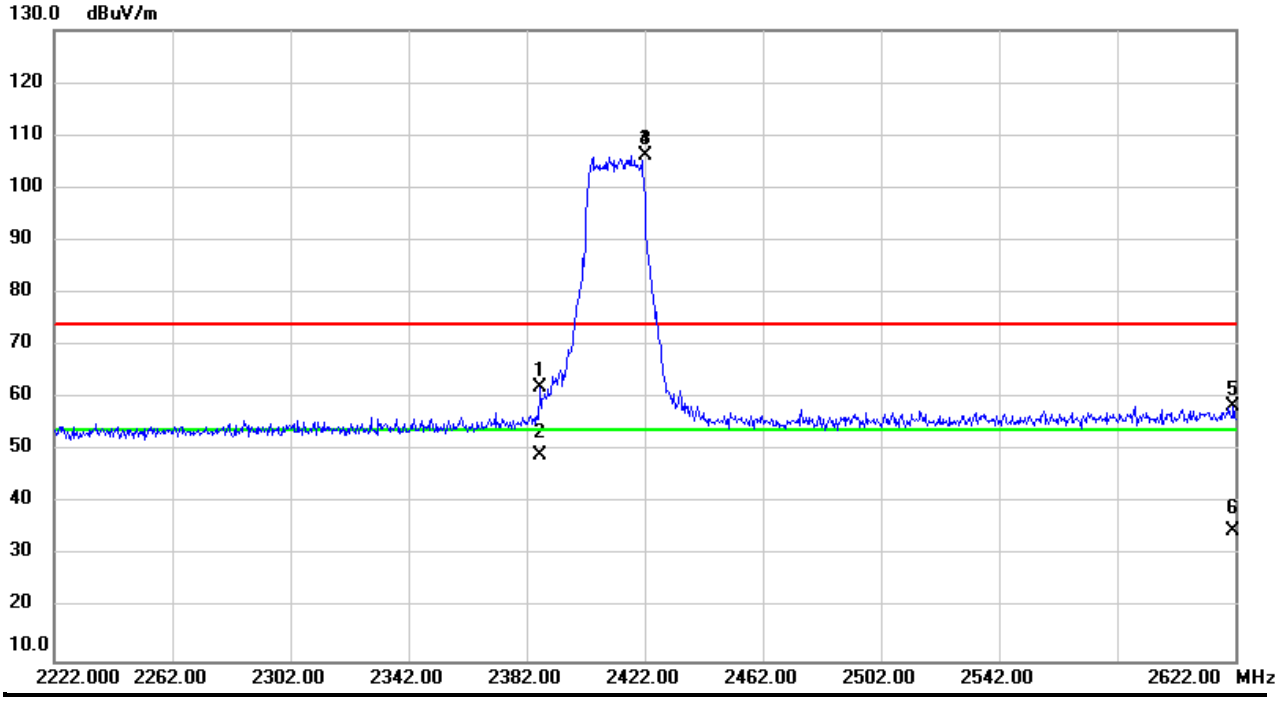
Test Mode	IEEE 802.11ax (HEW20)	Test Date	2021/2/27
Test Frequency	2412MHz	Polarization	Vertical
Temp	22°C	Hum.	68%
Resource Unit	26 Tone		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2388.207	29.36	30.78	60.14	74.00	-13.86	peak	
2		2388.207	12.94	30.78	43.72	54.00	-10.28	AVG	
3	X	2412.000	80.09	30.88	110.97	74.00	36.97	peak	NoLimit
4	*	2412.000	72.76	30.88	103.64	54.00	49.64	AVG	NoLimit
5		2510.387	26.54	31.27	57.81	74.00	-16.19	peak	
6		2510.387	3.30	31.27	34.57	54.00	-19.43	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

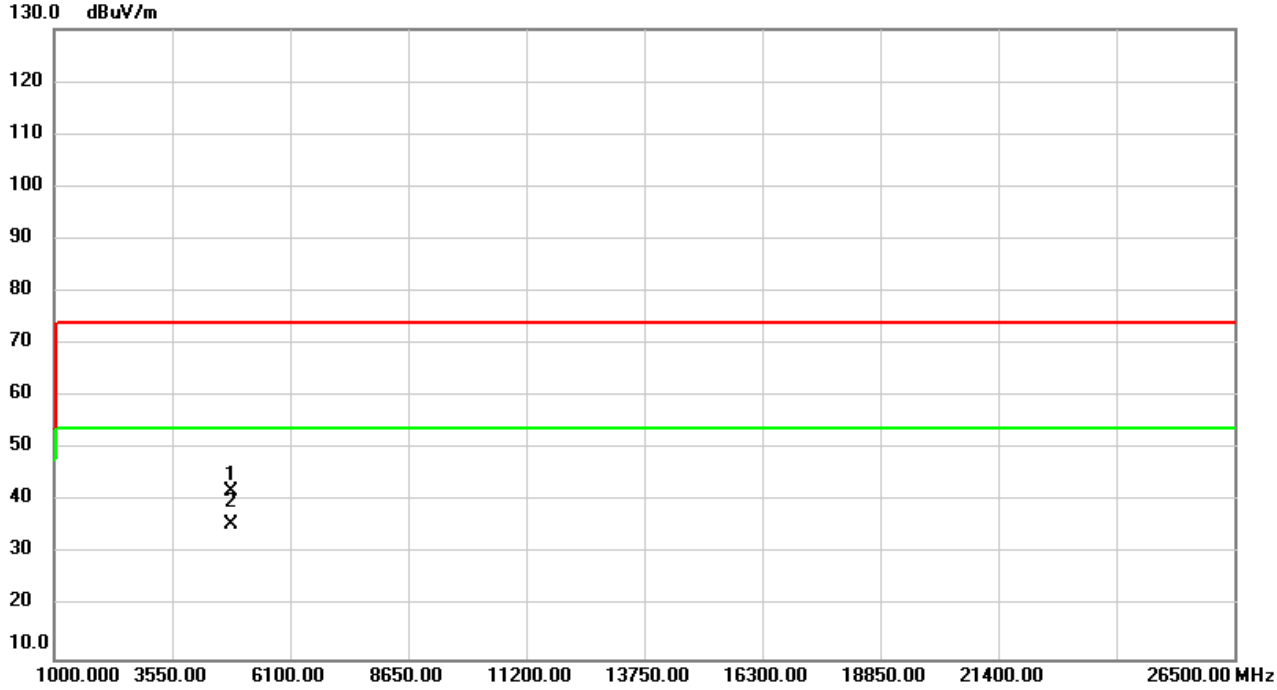
Test Mode	IEEE 802.11ax (HEW40)	Test Date	2021/2/27
Test Frequency	2422MHz	Polarization	Vertical
Temp	22°C	Hum.	68%
Resource Unit	242 Tone		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2386.413	31.36	30.77	62.13	74.00	-11.87	peak	
2		2386.413	18.29	30.77	49.06	54.00	-4.94	AVG	
3	*	2422.000	75.22	30.91	106.13	74.00	32.13	peak	NoLimit
4	*	2422.000	75.22	30.91	106.13	74.00	32.13	peak	NoLimit
5		2621.400	26.76	31.74	58.50	74.00	-15.50	peak	
6		2621.400	3.03	31.74	34.77	54.00	-19.23	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

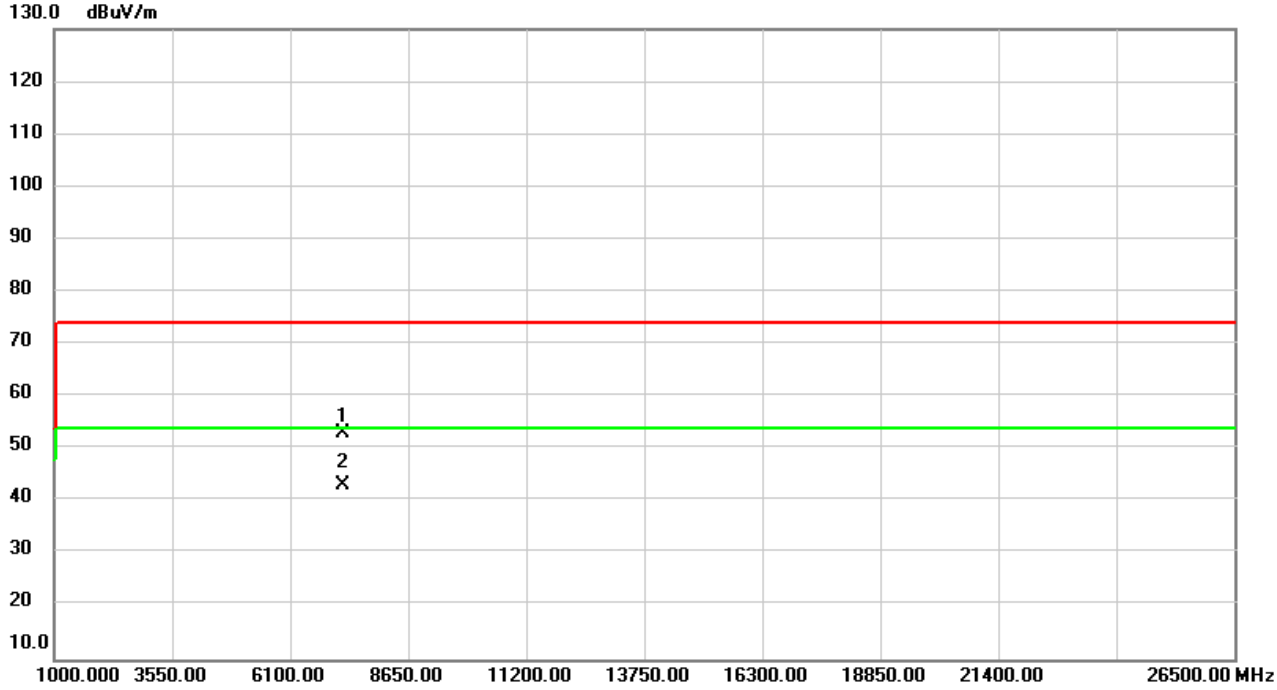
Test Mode	IEEE 802.11b	Test Date	2021/1/18
Test Frequency	2412MHz	Polarization	Vertical
Temp	21°C	Hum.	70%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	52.00	-9.96	42.04	74.00	-31.96	peak	
2	*	4824.000	45.58	-9.96	35.62	54.00	-18.38	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	IEEE 802.11b	Test Date	2021/1/18
Test Frequency	2412MHz	Polarization	Horizontal
Temp	21°C	Hum.	70%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		7236.000	55.91	-2.78	53.13	74.00	-20.87	peak	
2	*	7236.000	46.07	-2.78	43.29	54.00	-10.71	AVG	

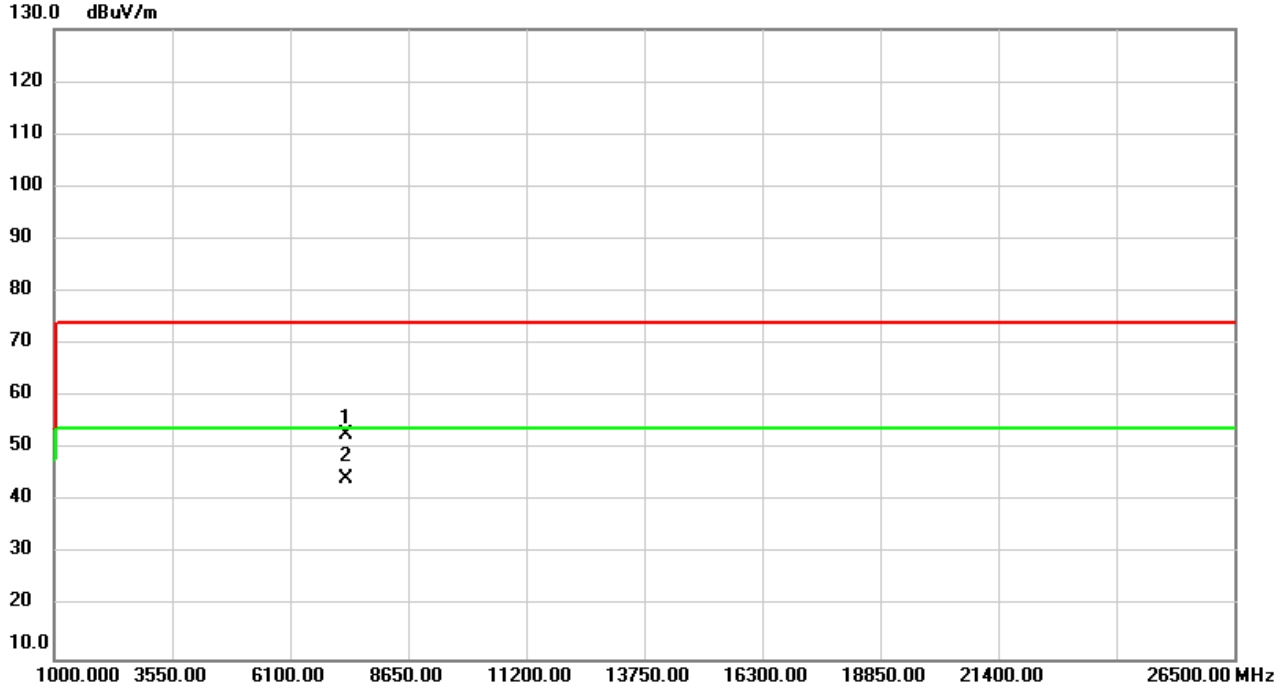
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	IEEE 802.11b	Test Date	2021/1/18
Test Frequency	2437MHz	Polarization	Vertical
Temp	21°C	Hum.	70%

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		7311.000	57.22	-2.43	54.79	74.00	-19.21	peak	
2	*	7311.000	49.76	-2.43	47.33	54.00	-6.67	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

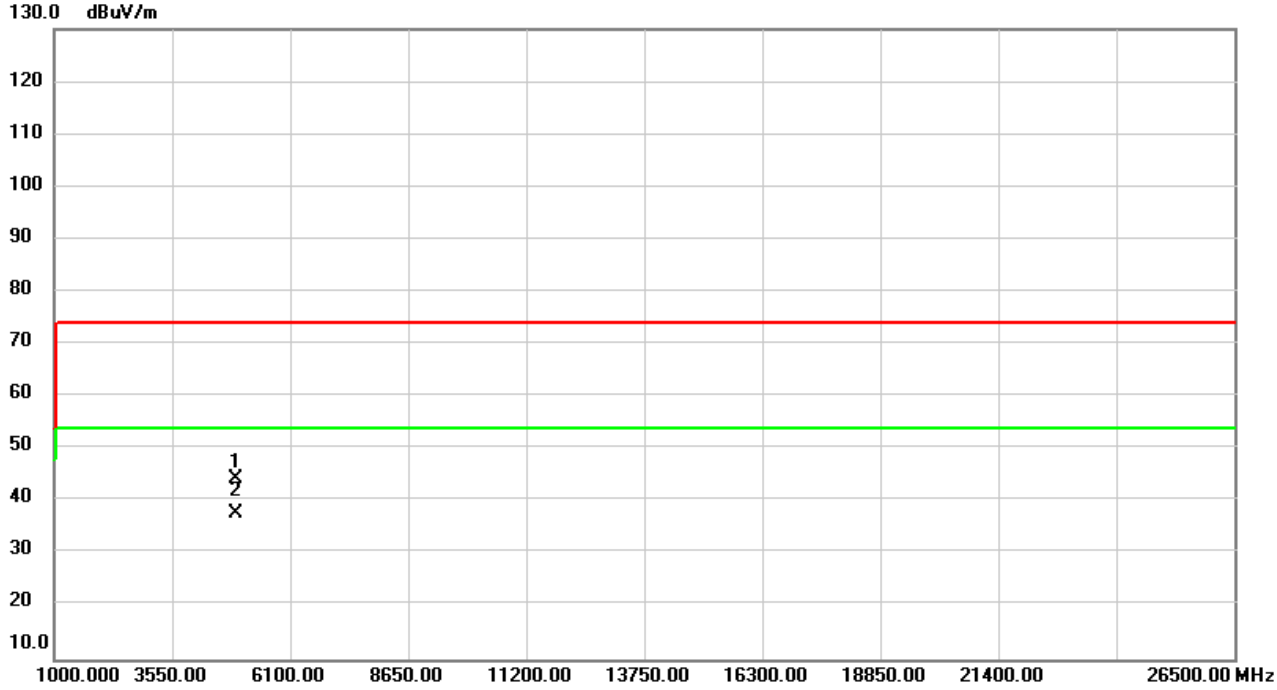
Test Mode	IEEE 802.11b	Test Date	2021/1/18
Test Frequency	2437MHz	Polarization	Horizontal
Temp	21°C	Hum.	70%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		7311.000	55.13	-2.43	52.70	74.00	-21.30	peak	
2	*	7311.000	46.84	-2.43	44.41	54.00	-9.59	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

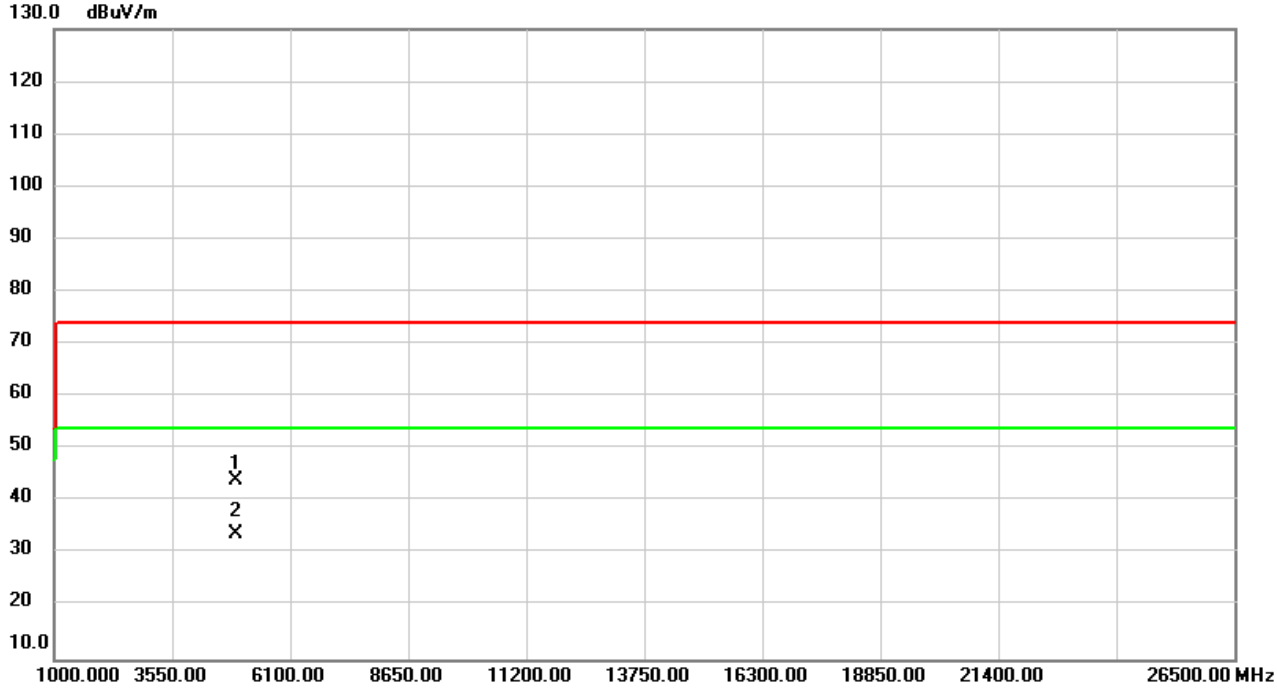
Test Mode	IEEE 802.11b	Test Date	2021/1/18
Test Frequency	2462MHz	Polarization	Vertical
Temp	21°C	Hum.	70%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	54.08	-9.62	44.46	74.00	-29.54	peak	
2	*	4924.000	47.36	-9.62	37.74	54.00	-16.26	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

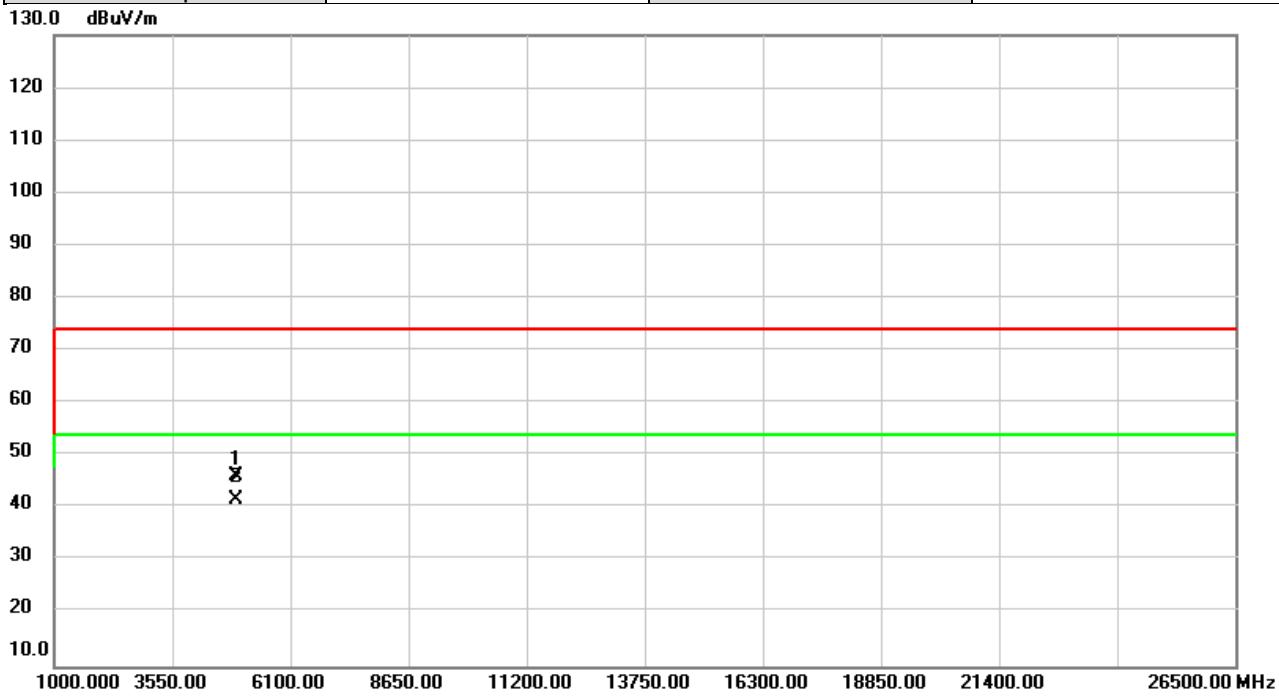
Test Mode	IEEE 802.11b	Test Date	2021/1/18
Test Frequency	2462MHz	Polarization	Horizontal
Temp	21°C	Hum.	70%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	53.79	-9.62	44.17	74.00	-29.83	peak	
2	*	4924.000	43.53	-9.62	33.91	54.00	-20.09	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

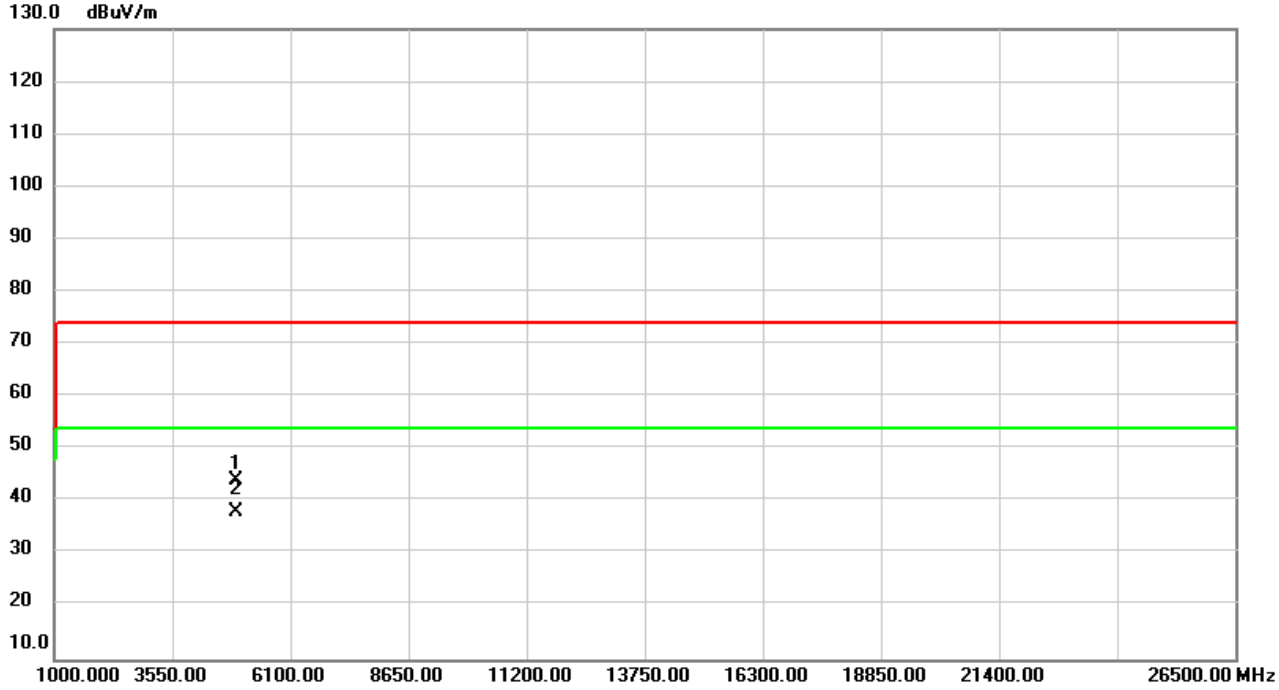
Test Mode	IEEE 802.11b	Test Date	2021/2/5
Test Frequency	2467MHz	Polarization	Vertical
Temp	23°C	Hum.	67%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4934.000	55.66	-9.59	46.07	74.00	-27.93	peak	
2	*	4934.000	51.27	-9.59	41.68	54.00	-12.32	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

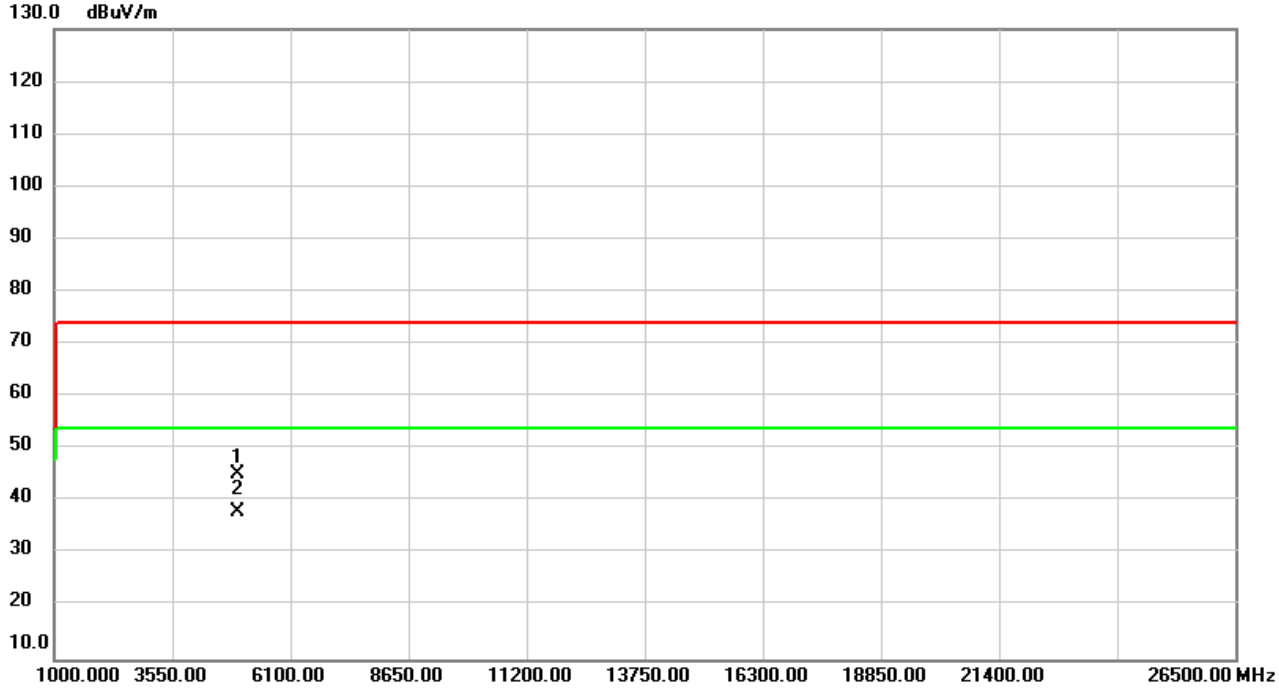
Test Mode	IEEE 802.11b	Test Date	2021/2/5
Test Frequency	2467MHz	Polarization	Horizontal
Temp	23°C	Hum.	67%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4934.000	53.53	-9.59	43.94	74.00	-30.06	peak	
2	*	4934.000	47.53	-9.59	37.94	54.00	-16.06	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

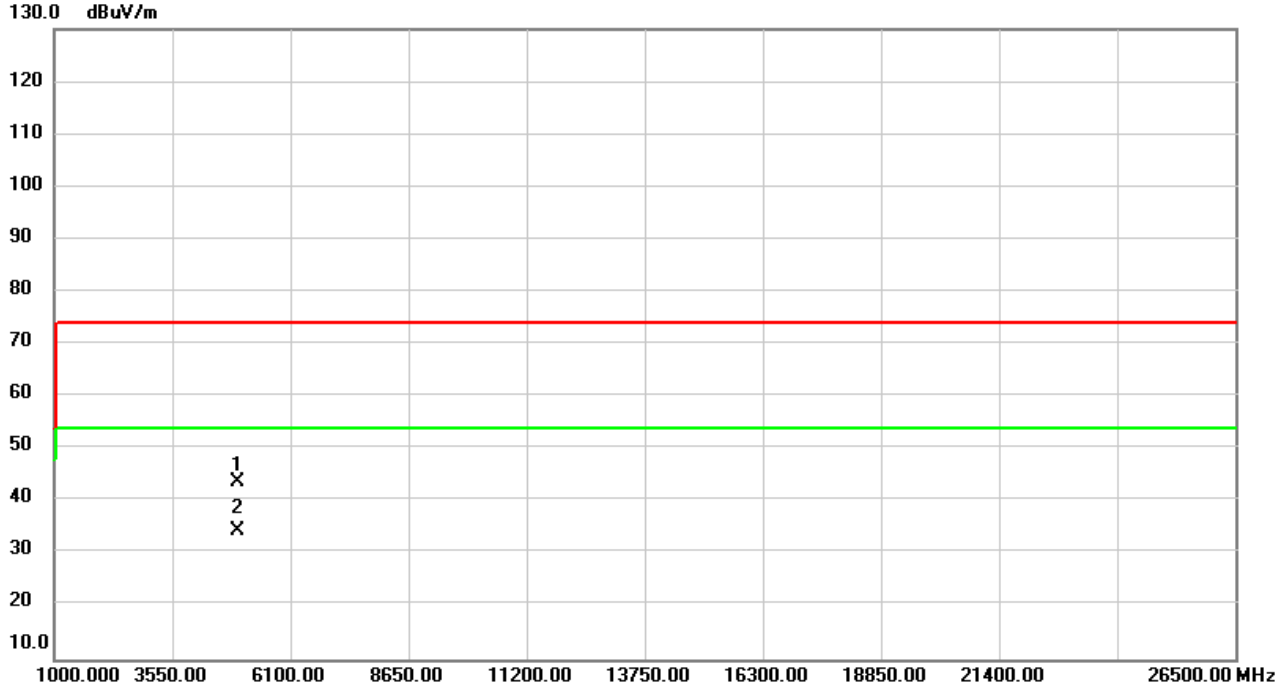
Test Mode	IEEE 802.11b	Test Date	2021/2/5
Test Frequency	2472MHz	Polarization	Vertical
Temp	23°C	Hum.	67%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4944.000	54.70	-9.55	45.15	74.00	-28.85	peak	
2	*	4944.000	47.65	-9.55	38.10	54.00	-15.90	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

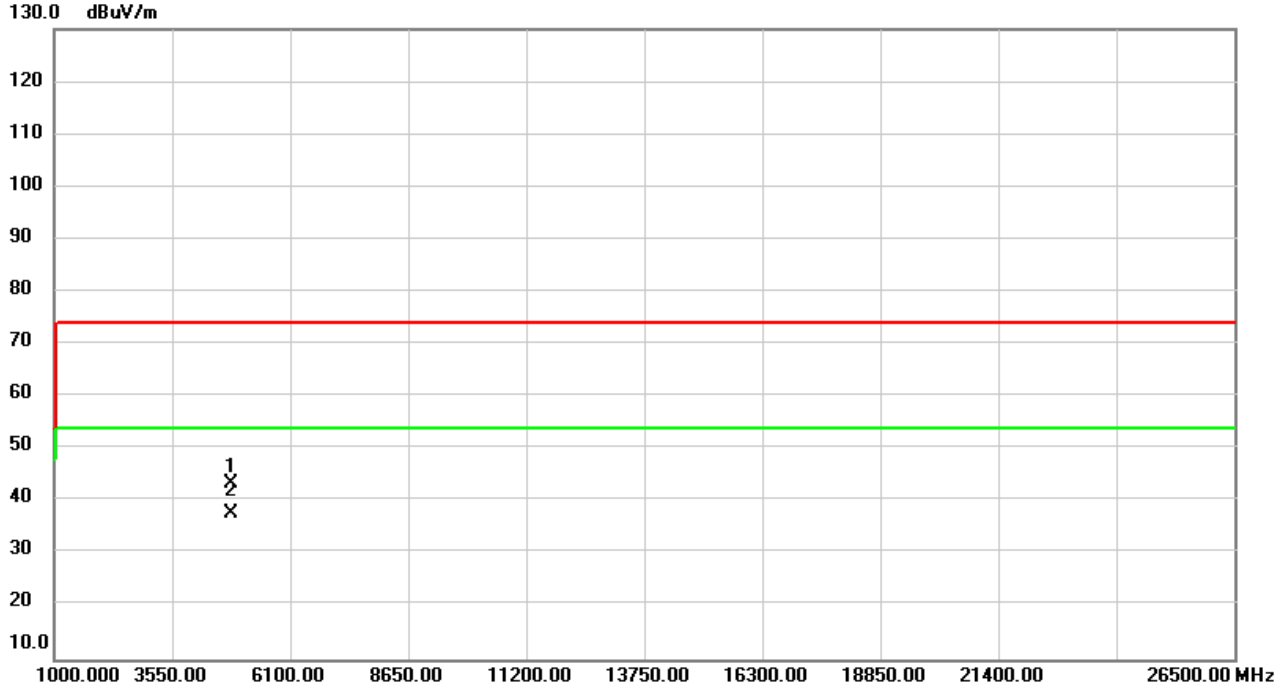
Test Mode	IEEE 802.11b	Test Date	2021/2/5
Test Frequency	2472MHz	Polarization	Horizontal
Temp	23°C	Hum.	67%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4944.000	53.26	-9.55	43.71	74.00	-30.29	peak	
2	*	4944.000	43.87	-9.55	34.32	54.00	-19.68	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

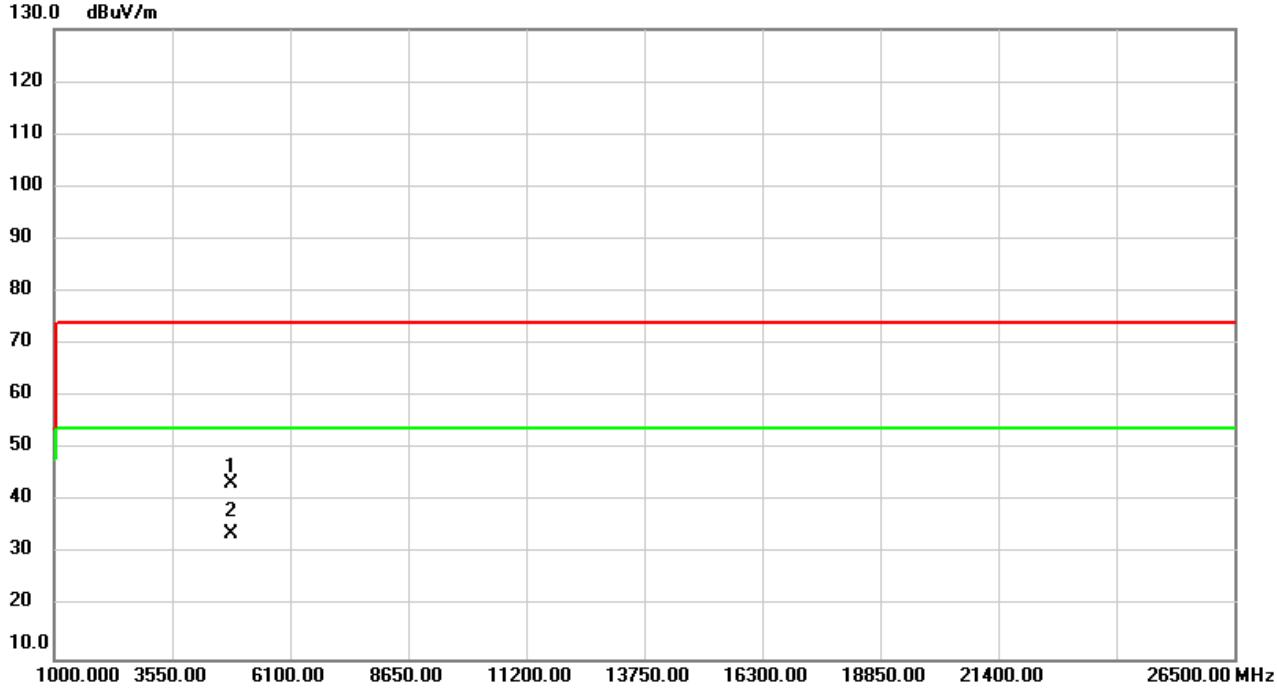
Test Mode	IEEE 802.11g	Test Date	2021/1/18
Test Frequency	2412MHz	Polarization	Vertical
Temp	21°C	Hum.	70%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	53.27	-9.96	43.31	74.00	-30.69	peak	
2	*	4824.000	47.60	-9.96	37.64	54.00	-16.36	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

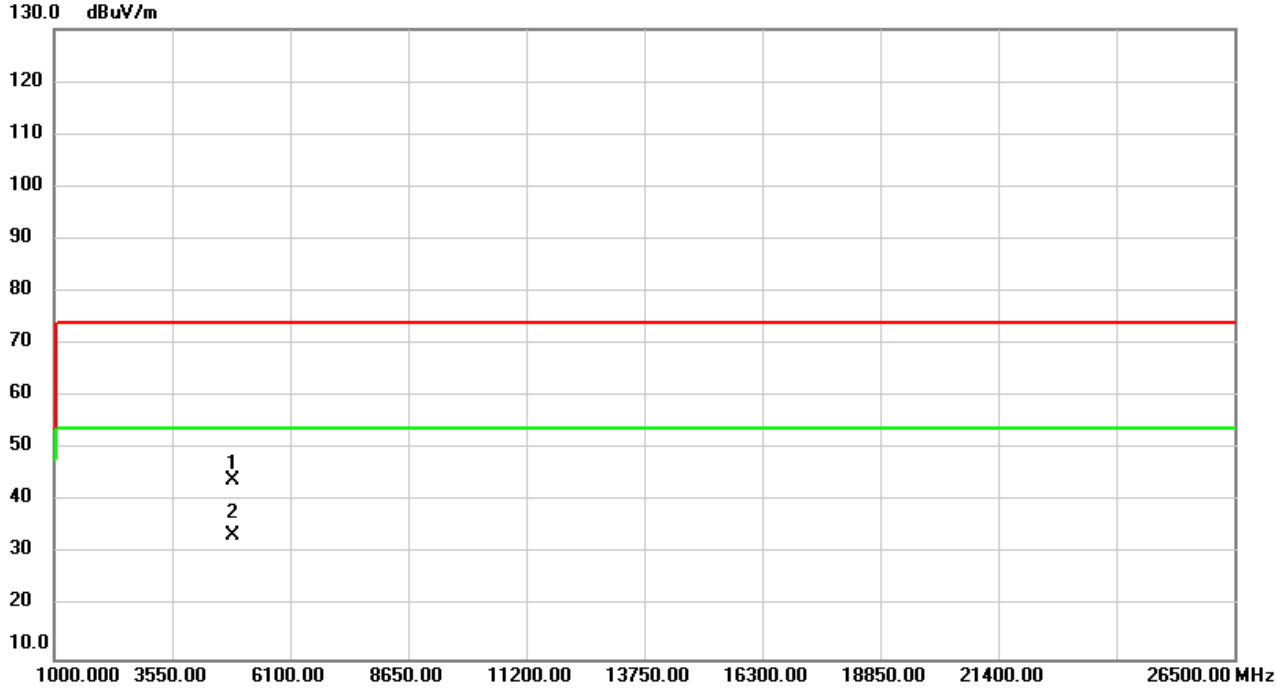
Test Mode	IEEE 802.11g	Test Date	2021/1/18
Test Frequency	2412MHz	Polarization	Horizontal
Temp	21°C	Hum.	70%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	53.46	-9.96	43.50	74.00	-30.50	peak	
2	*	4824.000	43.73	-9.96	33.77	54.00	-20.23	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

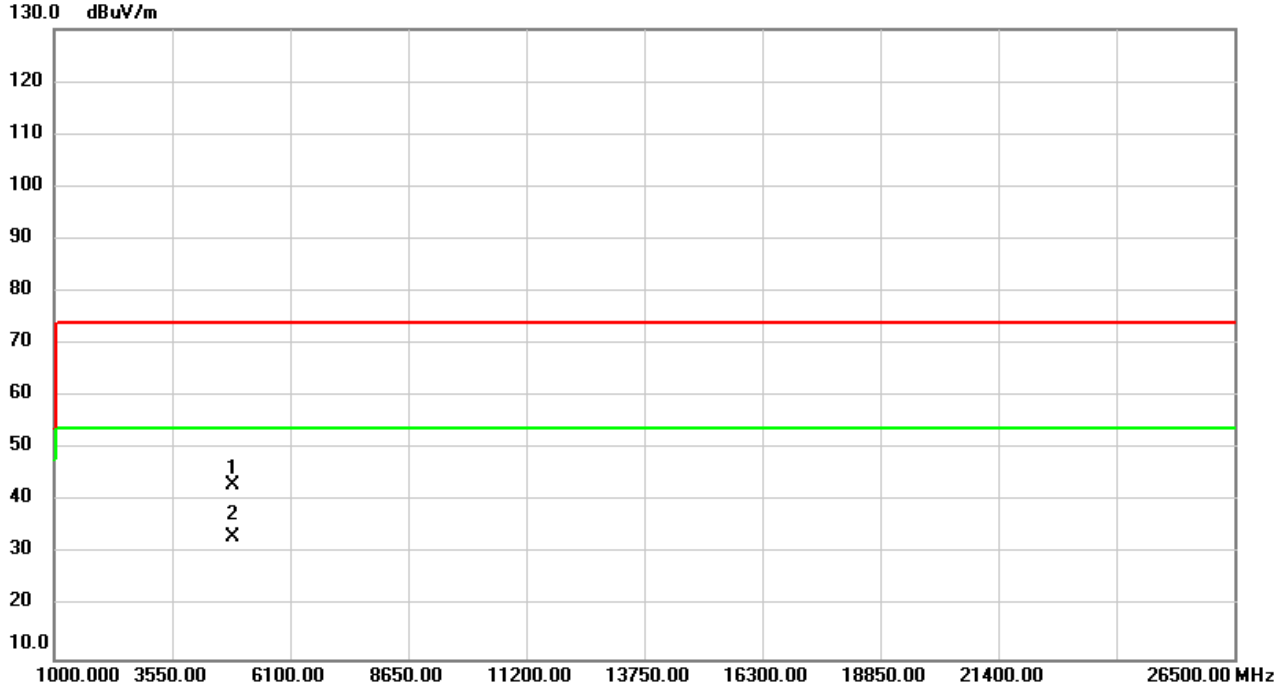
Test Mode	IEEE 802.11g	Test Date	2021/1/18
Test Frequency	2437MHz	Polarization	Vertical
Temp	21°C	Hum.	70%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	53.91	-9.79	44.12	74.00	-29.88	peak	
2	*	4874.000	43.33	-9.79	33.54	54.00	-20.46	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

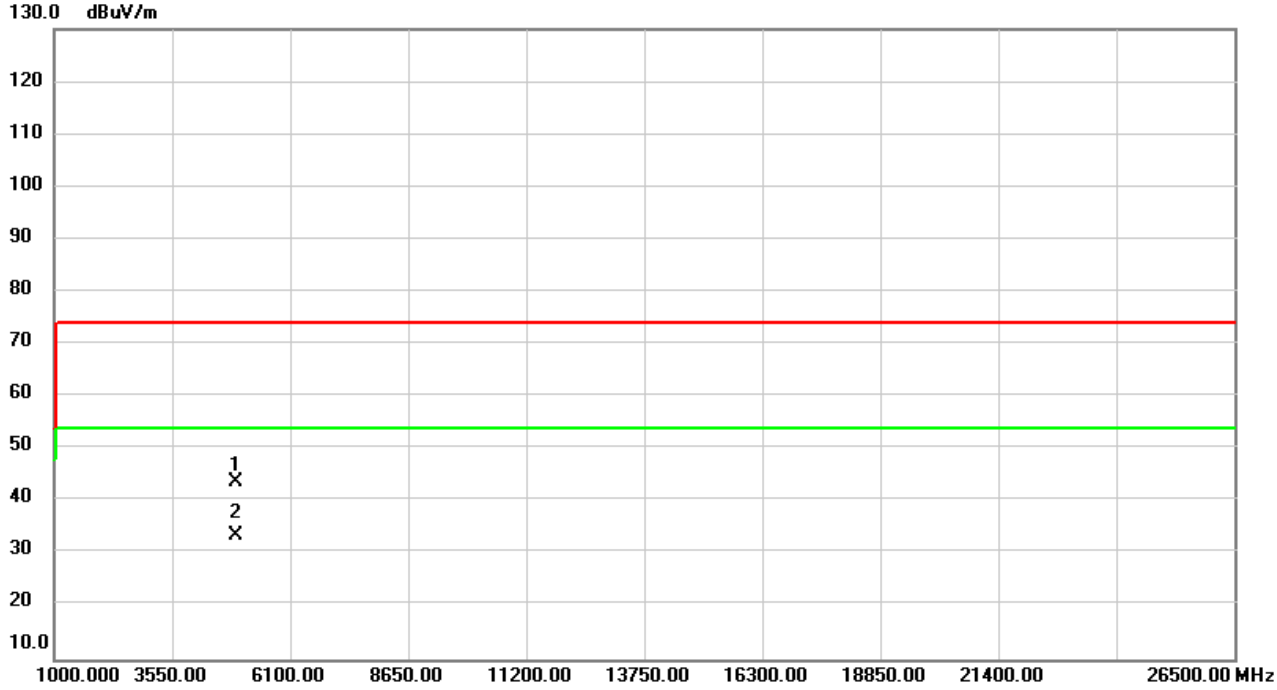
Test Mode	IEEE 802.11g	Test Date	2021/1/18
Test Frequency	2437MHz	Polarization	Horizontal
Temp	21°C	Hum.	70%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	53.07	-9.79	43.28	74.00	-30.72	peak	
2	*	4874.000	42.92	-9.79	33.13	54.00	-20.87	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

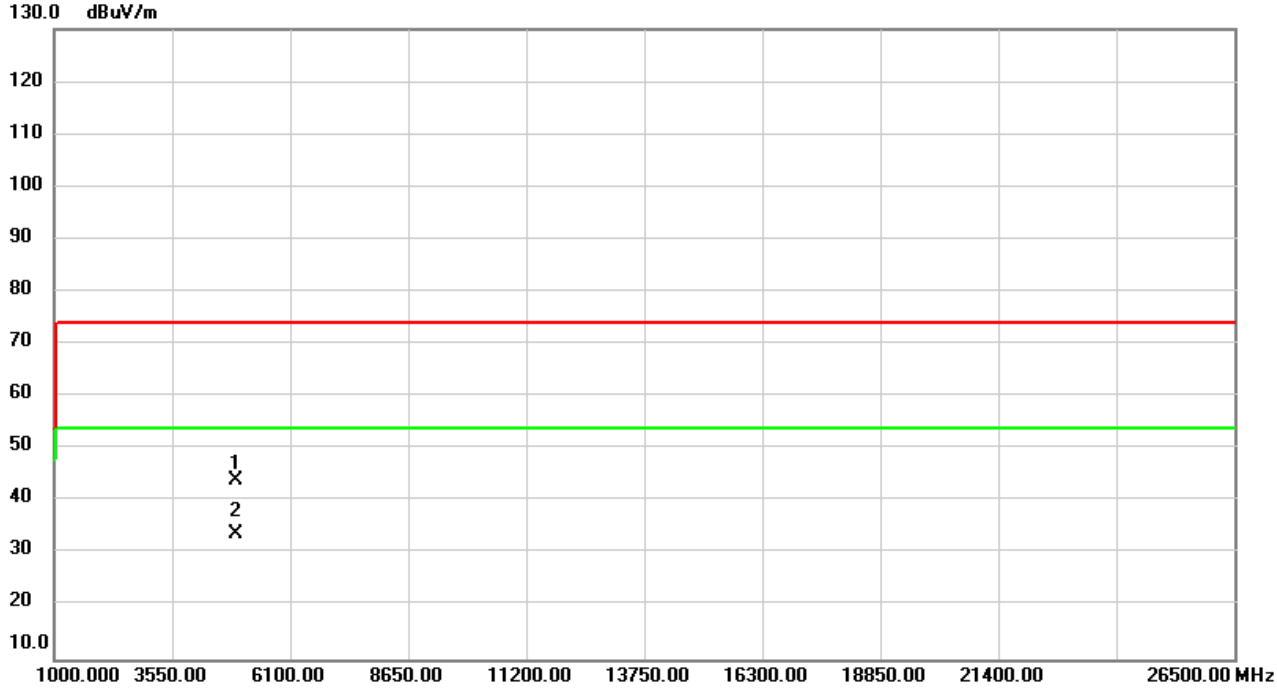
Test Mode	IEEE 802.11g	Test Date	2021/1/18
Test Frequency	2462MHz	Polarization	Vertical
Temp	21°C	Hum.	70%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	53.51	-9.62	43.89	74.00	-30.11	peak	
2	*	4924.000	43.31	-9.62	33.69	54.00	-20.31	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

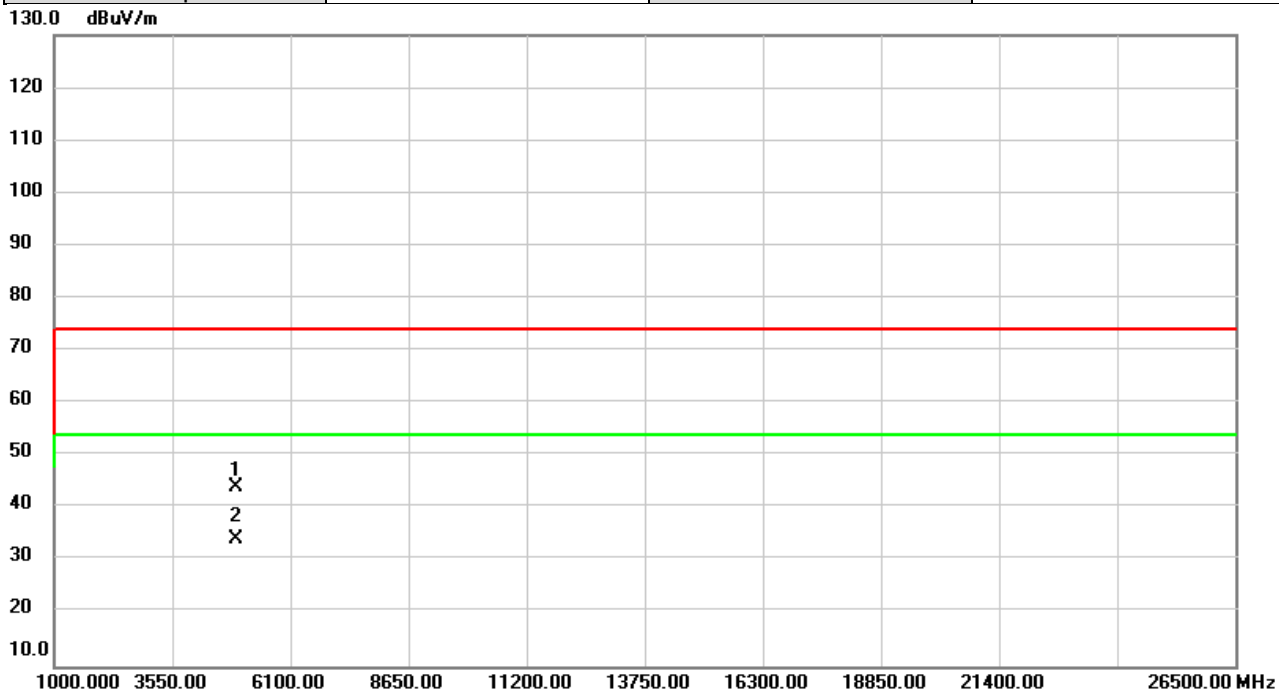
Test Mode	IEEE 802.11g	Test Date	2021/1/18
Test Frequency	2462MHz	Polarization	Horizontal
Temp	21°C	Hum.	70%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	53.56	-9.62	43.94	74.00	-30.06	peak	
2	*	4924.000	43.39	-9.62	33.77	54.00	-20.23	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

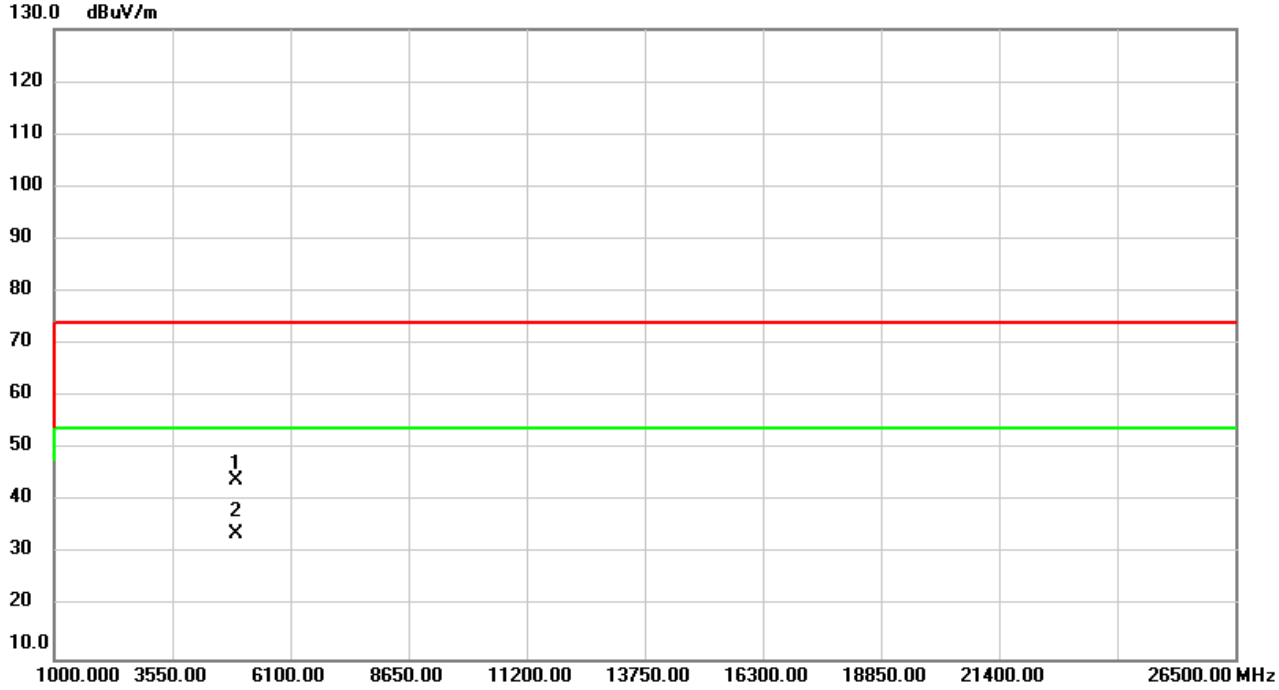
Test Mode	IEEE 802.11g	Test Date	2021/2/5
Test Frequency	2467MHz	Polarization	Vertical
Temp	23°C	Hum.	67%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4934.000	53.65	-9.59	44.06	74.00	-29.94	peak	
2	*	4934.000	43.68	-9.59	34.09	54.00	-19.91	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

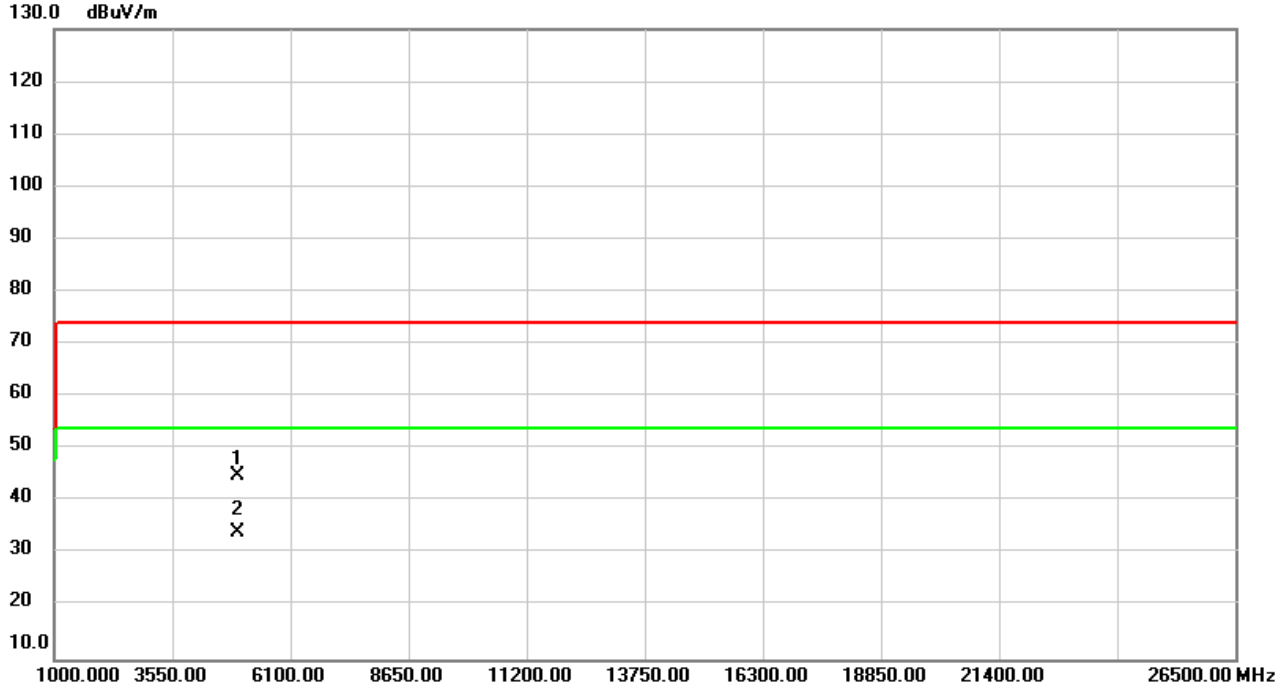
Test Mode	IEEE 802.11g	Test Date	2021/2/5
Test Frequency	2467MHz	Polarization	Horizontal
Temp	23°C	Hum.	67%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4934.000	53.58	-9.59	43.99	74.00	-30.01	peak	
2	*	4934.000	43.47	-9.59	33.88	54.00	-20.12	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

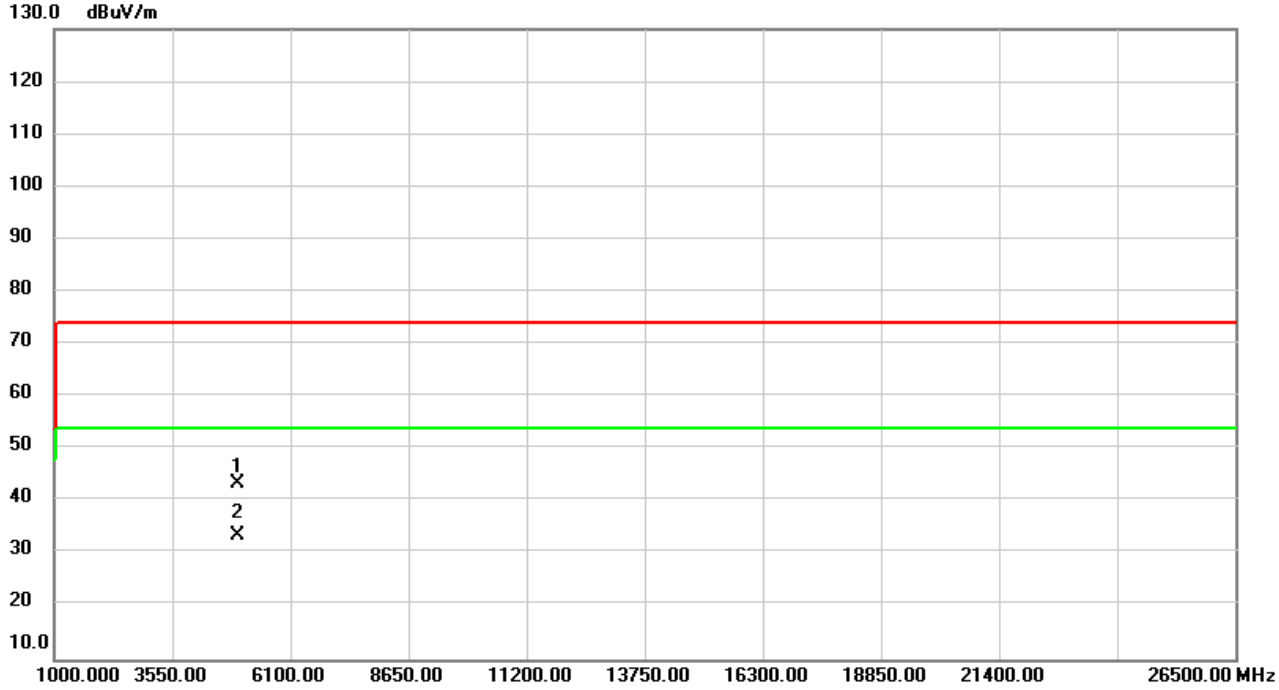
Test Mode	IEEE 802.11g	Test Date	2021/2/5
Test Frequency	2472MHz	Polarization	Vertical
Temp	23°C	Hum.	67%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4944.000	54.63	-9.55	45.08	74.00	-28.92	peak	
2	*	4944.000	43.59	-9.55	34.04	54.00	-19.96	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

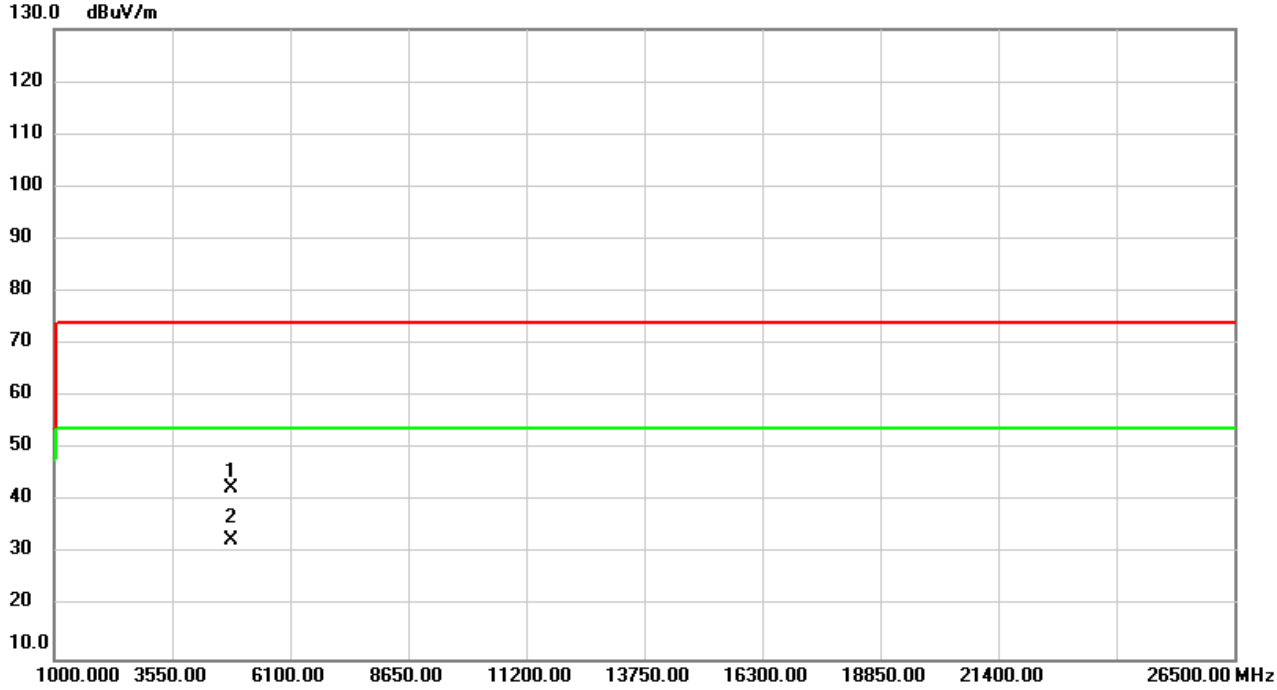
Test Mode	IEEE 802.11g	Test Date	2021/2/5
Test Frequency	2472MHz	Polarization	Horizontal
Temp	23°C	Hum.	67%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4944.000	53.05	-9.55	43.50	74.00	-30.50	peak	
2	*	4944.000	43.09	-9.55	33.54	54.00	-20.46	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

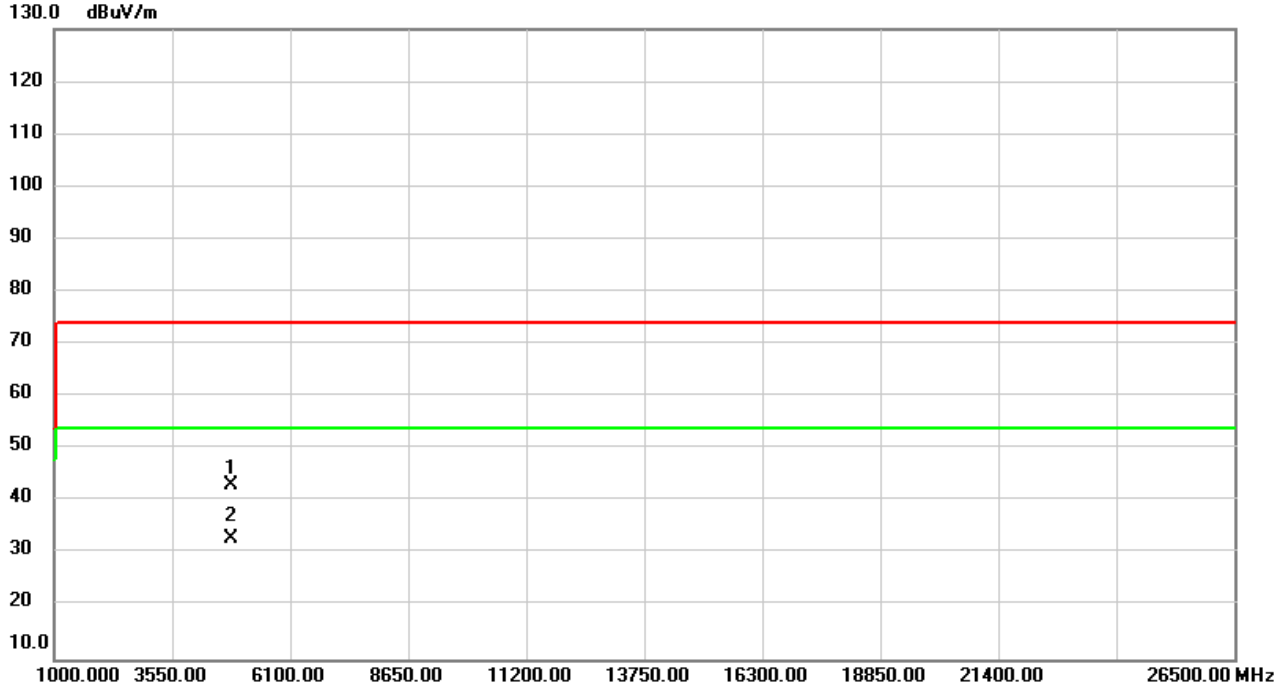
Test Mode	IEEE 802.11n (HT20)	Test Date	2021/1/18
Test Frequency	2412MHz	Polarization	Vertical
Temp	21°C	Hum.	70%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	52.48	-9.96	42.52	74.00	-31.48	peak	
2	*	4824.000	42.58	-9.96	32.62	54.00	-21.38	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

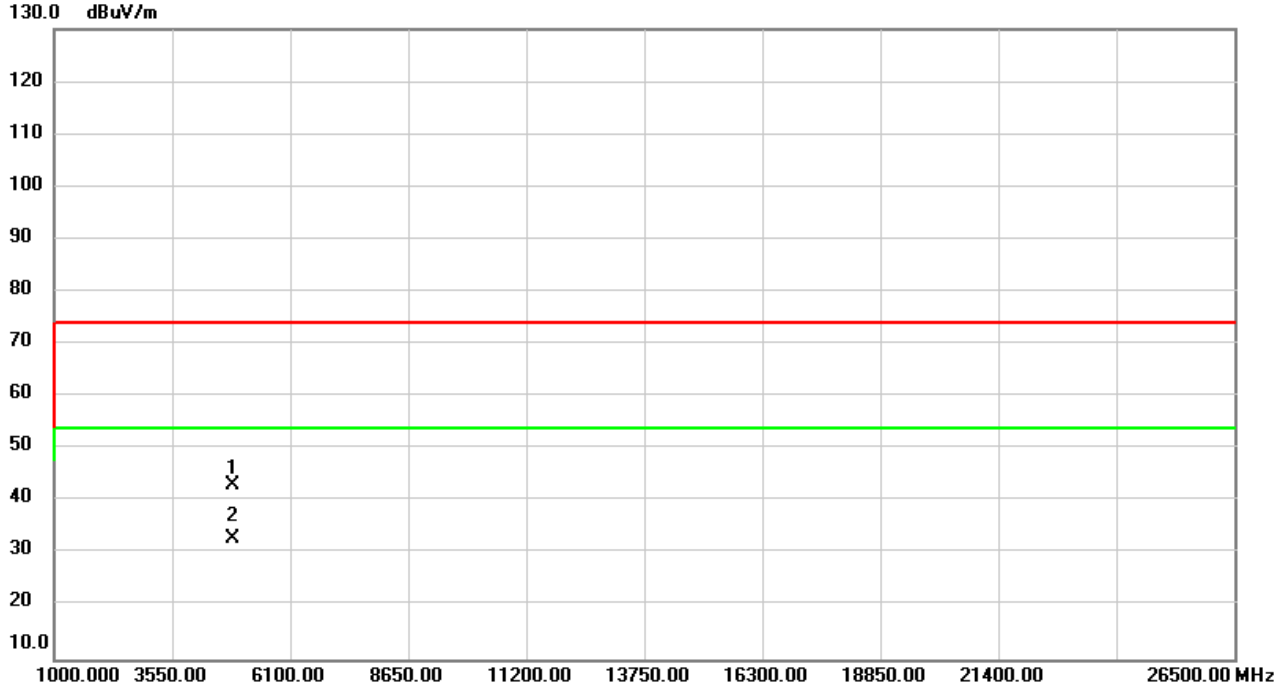
Test Mode	IEEE 802.11n (HT20)	Test Date	2021/1/18
Test Frequency	2412MHz	Polarization	Horizontal
Temp	21°C	Hum.	70%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	53.08	-9.96	43.12	74.00	-30.88	peak	
2	*	4824.000	42.86	-9.96	32.90	54.00	-21.10	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

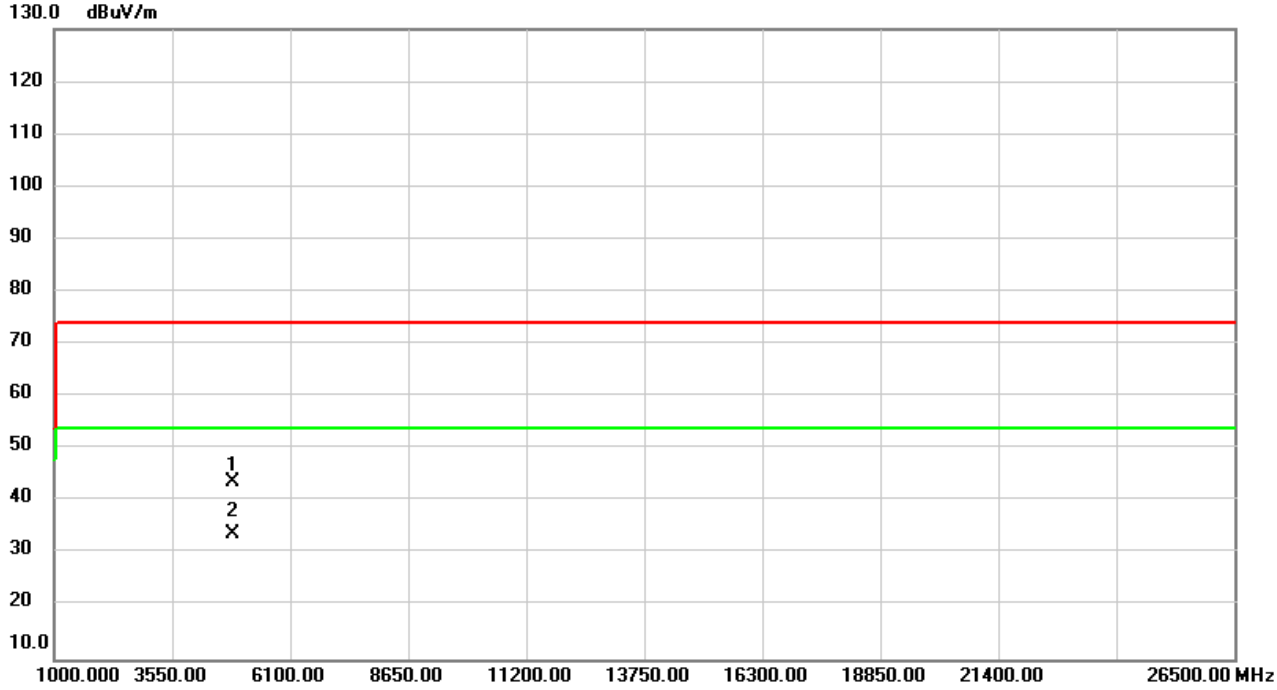
Test Mode	IEEE 802.11n (HT20)	Test Date	2021/1/18
Test Frequency	2437MHz	Polarization	Vertical
Temp	21°C	Hum.	70%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	53.09	-9.79	43.30	74.00	-30.70	peak	
2	*	4874.000	42.77	-9.79	32.98	54.00	-21.02	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

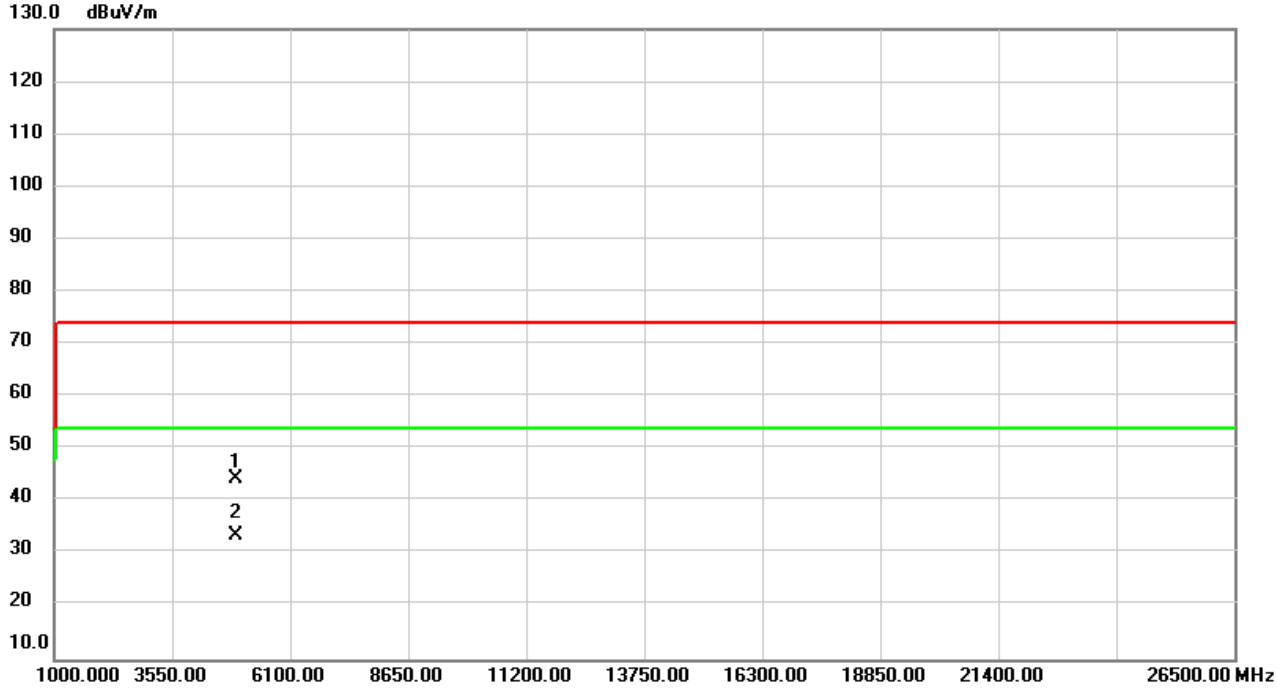
Test Mode	IEEE 802.11n (HT20)	Test Date	2021/1/18
Test Frequency	2437MHz	Polarization	Horizontal
Temp	21°C	Hum.	70%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	53.40	-9.79	43.61	74.00	-30.39	peak	
2	*	4874.000	43.51	-9.79	33.72	54.00	-20.28	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

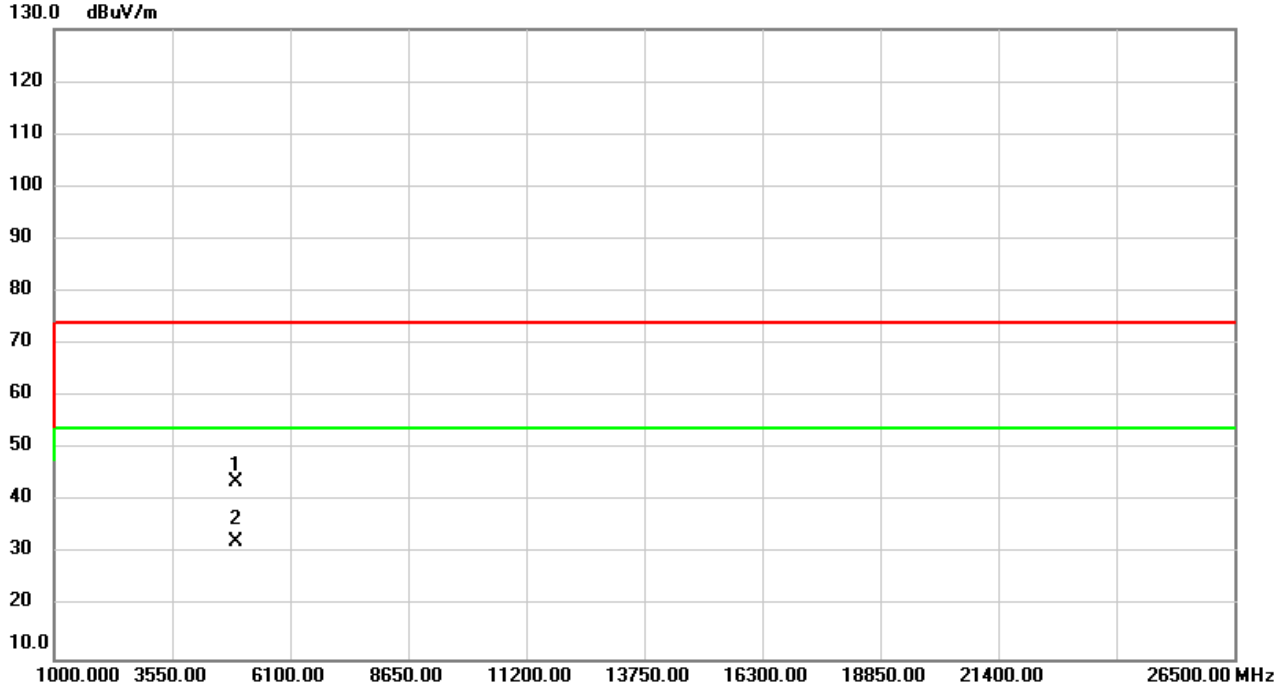
Test Mode	IEEE 802.11n (HT20)	Test Date	2021/1/18
Test Frequency	2462MHz	Polarization	Vertical
Temp	21°C	Hum.	70%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	53.94	-9.62	44.32	74.00	-29.68	peak	
2	*	4924.000	43.29	-9.62	33.67	54.00	-20.33	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

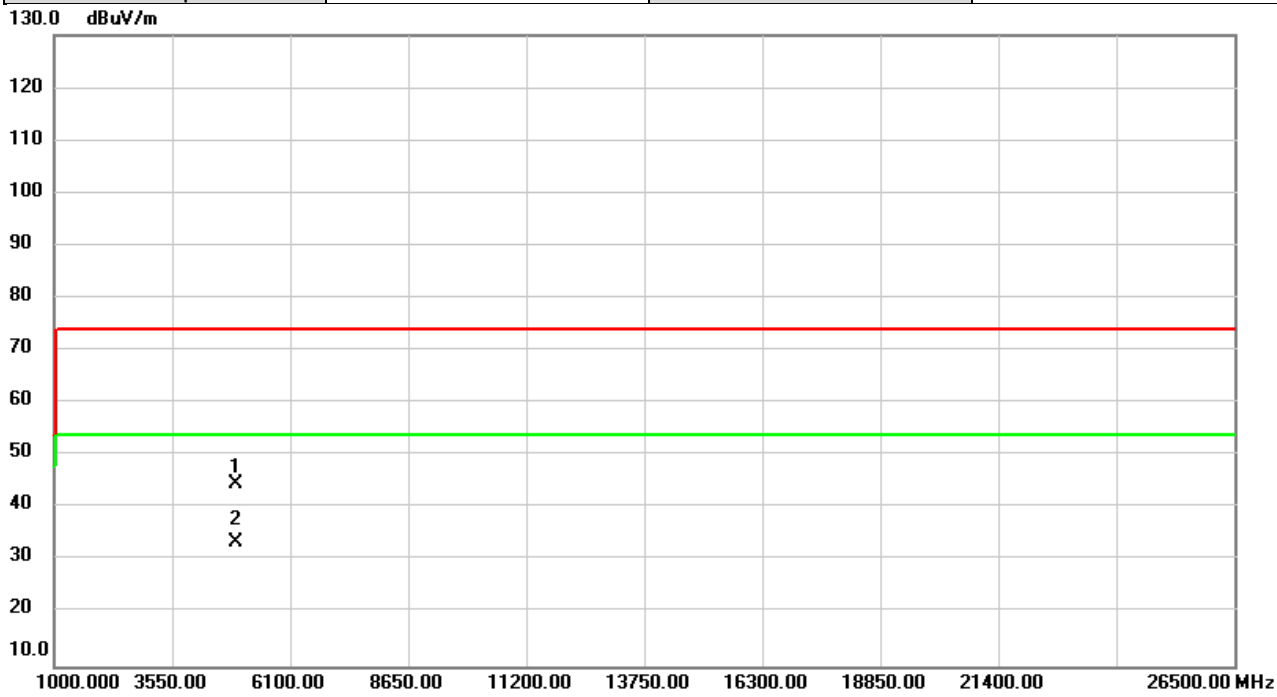
Test Mode	IEEE 802.11n (HT20)	Test Date	2021/1/18
Test Frequency	2462MHz	Polarization	Horizontal
Temp	21°C	Hum.	70%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	53.35	-9.62	43.73	74.00	-30.27	peak	
2	*	4924.000	42.06	-9.62	32.44	54.00	-21.56	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

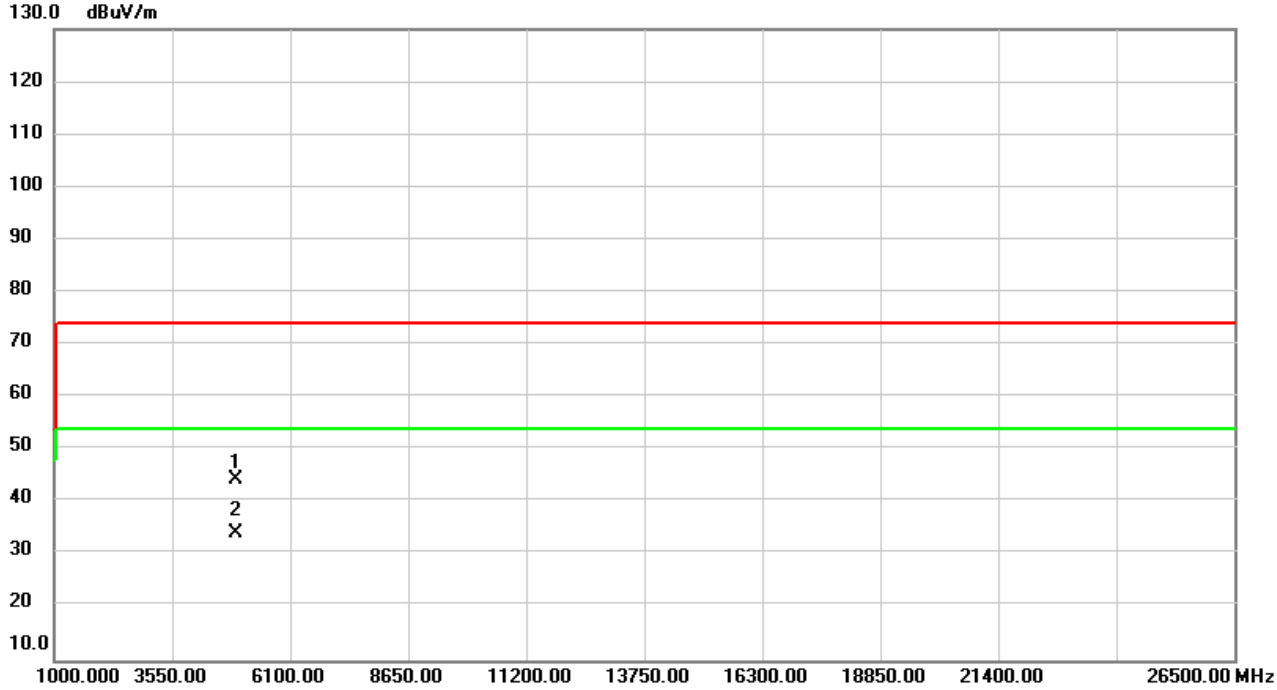
Test Mode	IEEE 802.11n (HT20)	Test Date	2021/2/8
Test Frequency	2467MHz	Polarization	Vertical
Temp	23°C	Hum.	67%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4934.000	54.23	-9.59	44.64	74.00	-29.36	peak	
2	*	4934.000	43.24	-9.59	33.65	54.00	-20.35	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

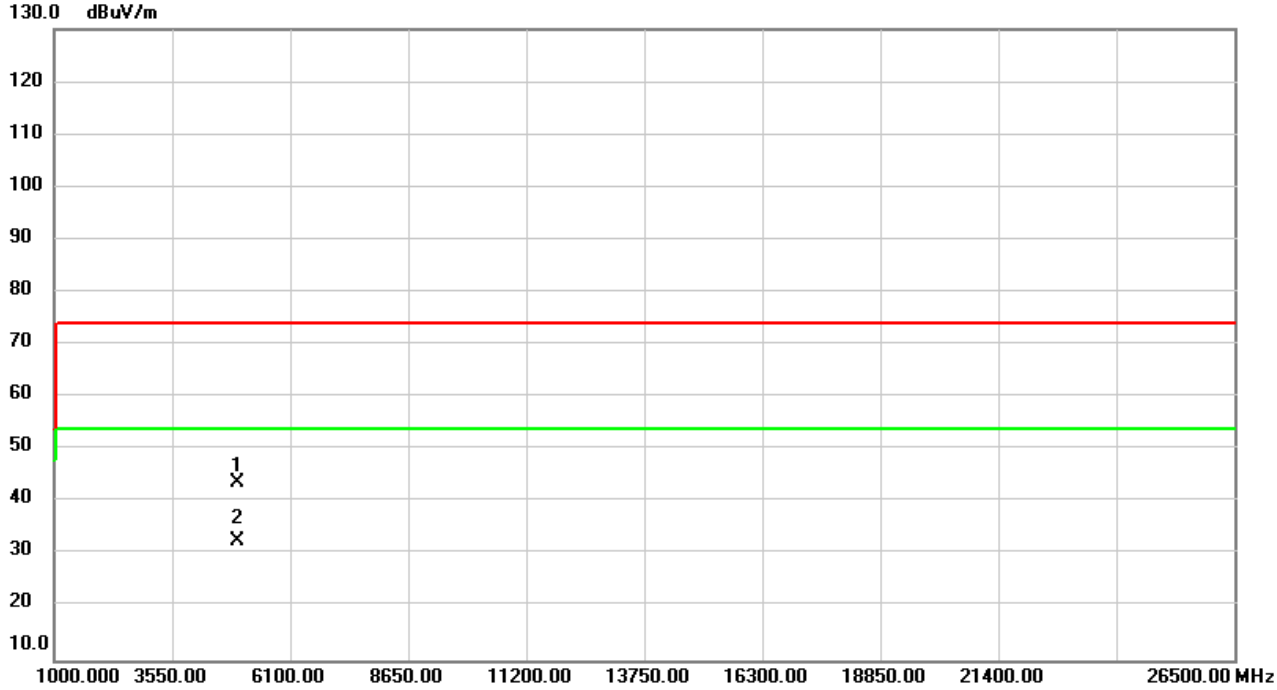
Test Mode	IEEE 802.11n (HT20)	Test Date	2021/2/8
Test Frequency	2467MHz	Polarization	Horizontal
Temp	23°C	Hum.	67%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4934.000	54.09	-9.59	44.50	74.00	-29.50	peak	
2	*	4934.000	43.82	-9.59	34.23	54.00	-19.77	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

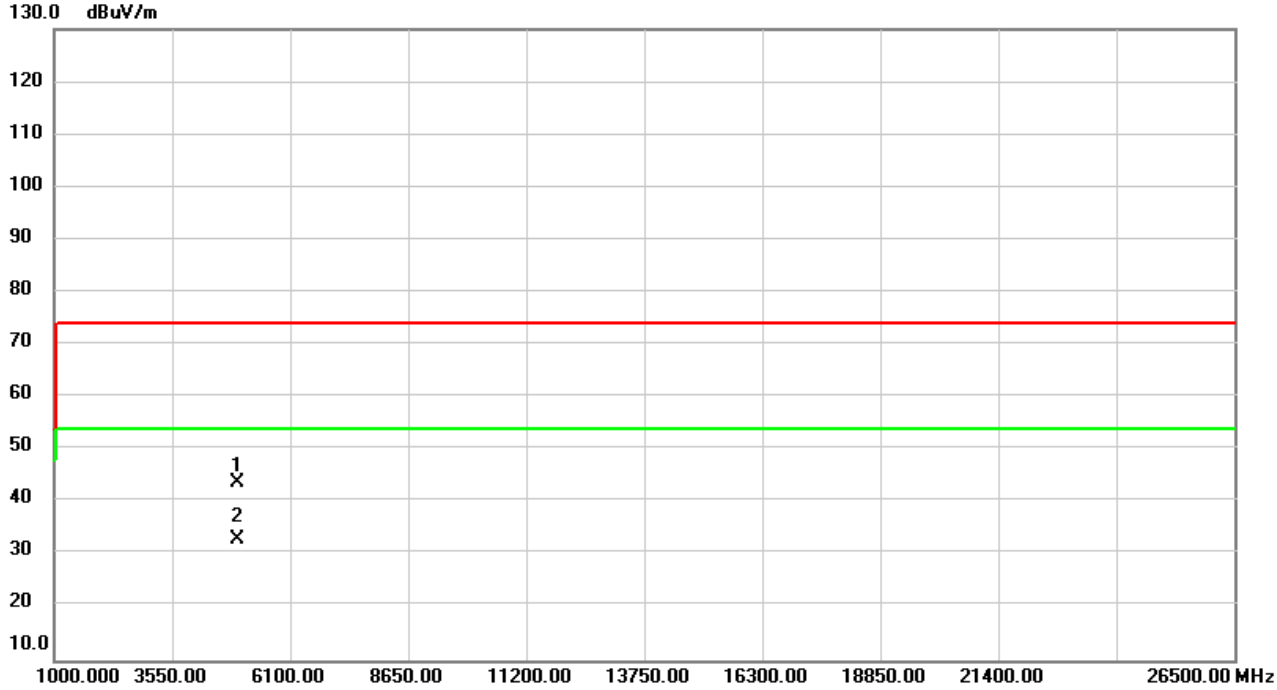
Test Mode	IEEE 802.11n (HT20)	Test Date	2021/2/8
Test Frequency	2472MHz	Polarization	Vertical
Temp	23°C	Hum.	67%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4944.000	53.28	-9.55	43.73	74.00	-30.27	peak	
2	*	4944.000	42.26	-9.55	32.71	54.00	-21.29	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

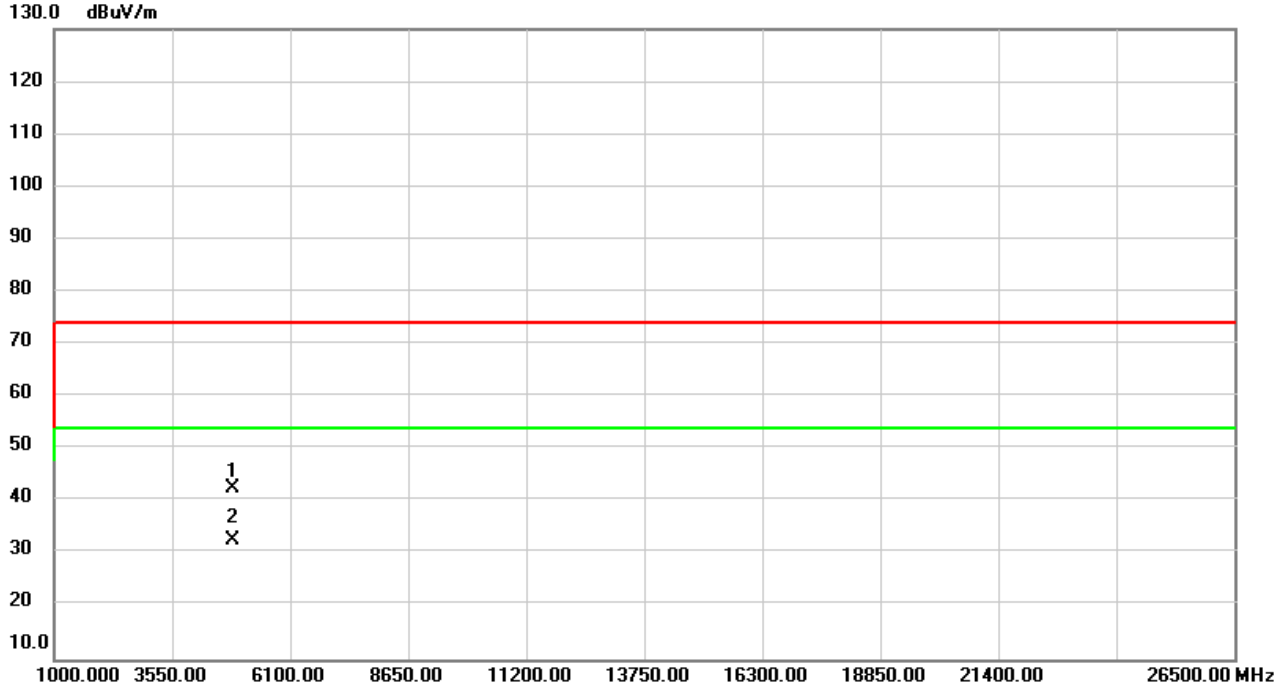
Test Mode	IEEE 802.11n (HT20)	Test Date	2021/2/8
Test Frequency	2472MHz	Polarization	Horizontal
Temp	23°C	Hum.	67%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4944.000	53.42	-9.55	43.87	74.00	-30.13	peak	
2	*	4944.000	42.56	-9.55	33.01	54.00	-20.99	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

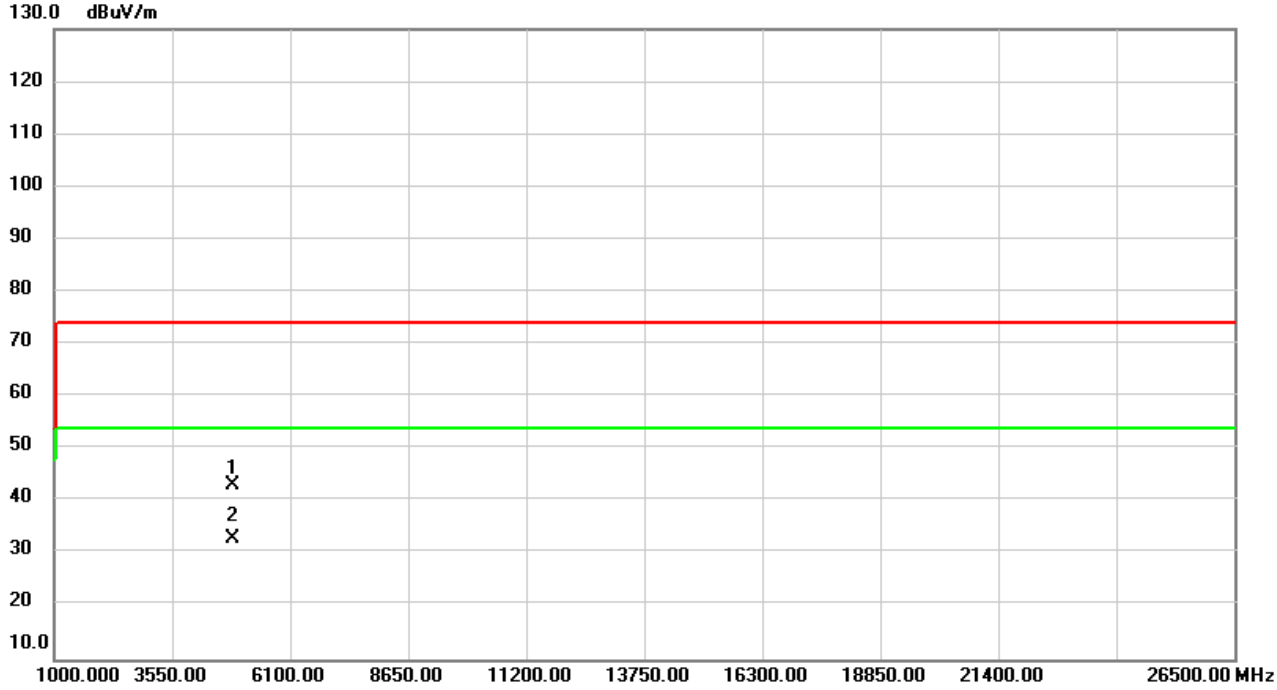
Test Mode	IEEE 802.11n (HT40)	Test Date	2021/1/18
Test Frequency	2422MHz	Polarization	Vertical
Temp	21°C	Hum.	70%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4844.000	52.58	-9.89	42.69	74.00	-31.31	peak	
2	*	4844.000	42.48	-9.89	32.59	54.00	-21.41	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

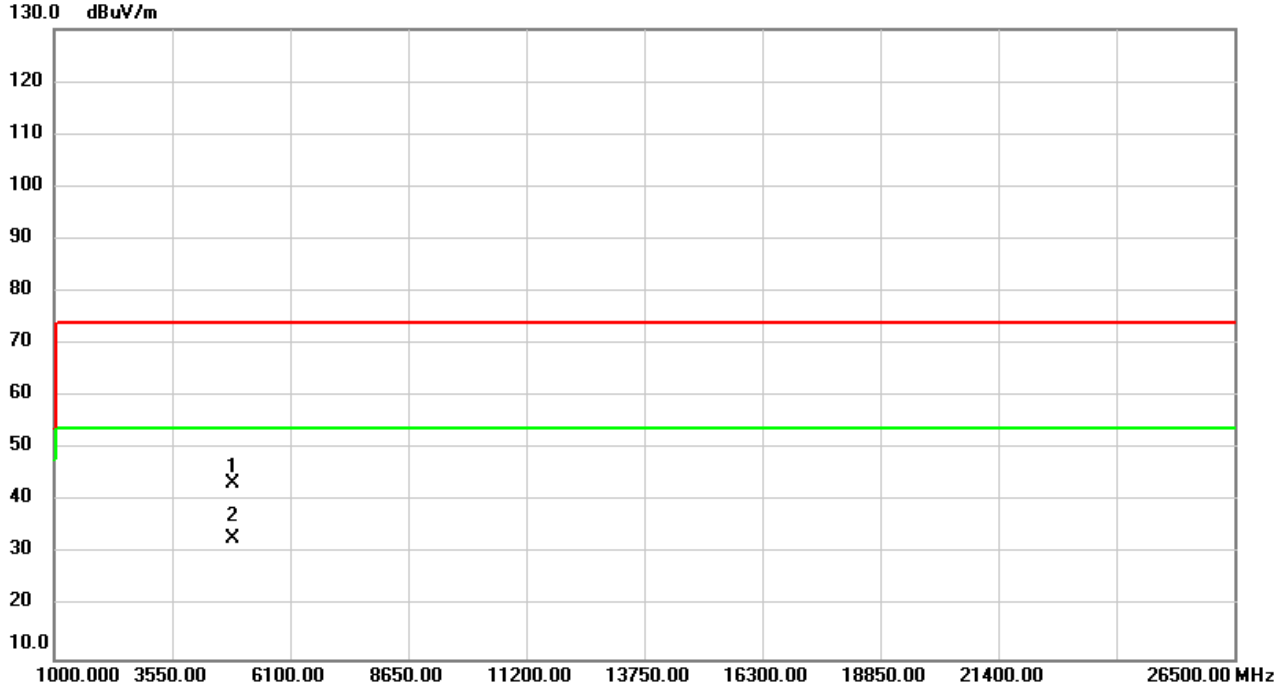
Test Mode	IEEE 802.11n (HT40)	Test Date	2021/1/18
Test Frequency	2422MHz	Polarization	Horizontal
Temp	21°C	Hum.	70%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4844.000	52.95	-9.89	43.06	74.00	-30.94	peak	
2	*	4844.000	42.86	-9.89	32.97	54.00	-21.03	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

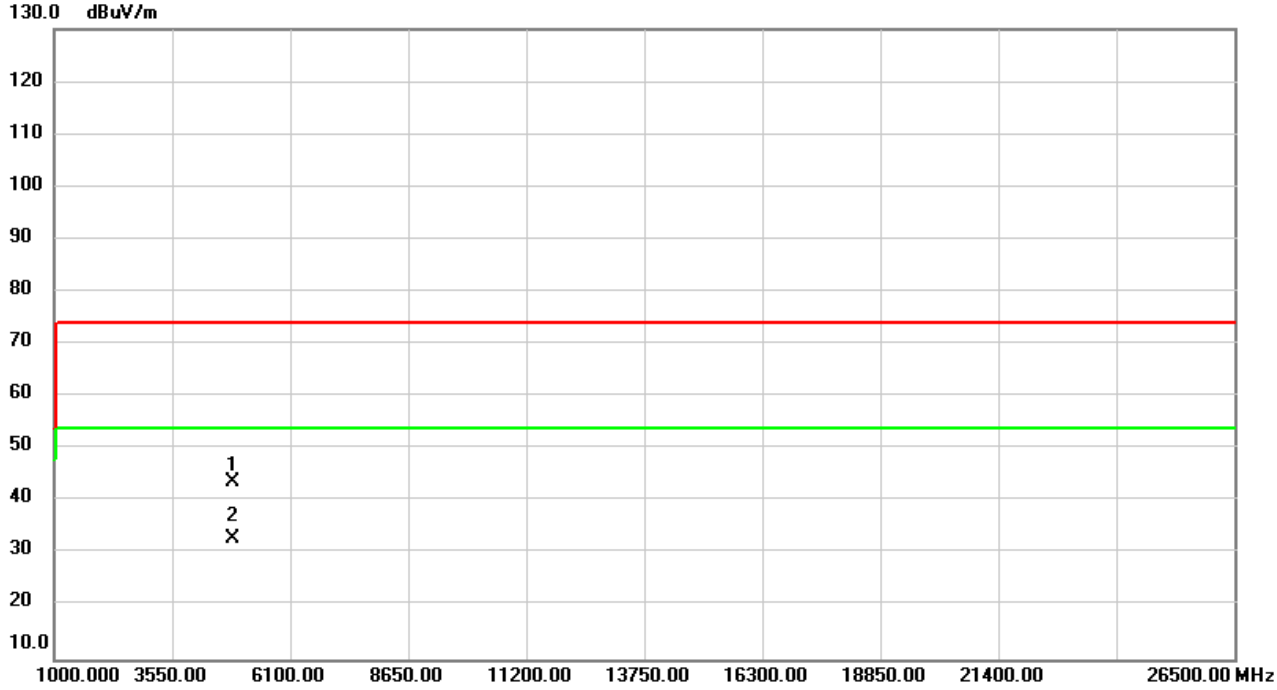
Test Mode	IEEE 802.11n (HT40)	Test Date	2021/1/18
Test Frequency	2437MHz	Polarization	Vertical
Temp	21°C	Hum.	70%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	53.17	-9.79	43.38	74.00	-30.62	peak	
2	*	4874.000	42.61	-9.79	32.82	54.00	-21.18	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

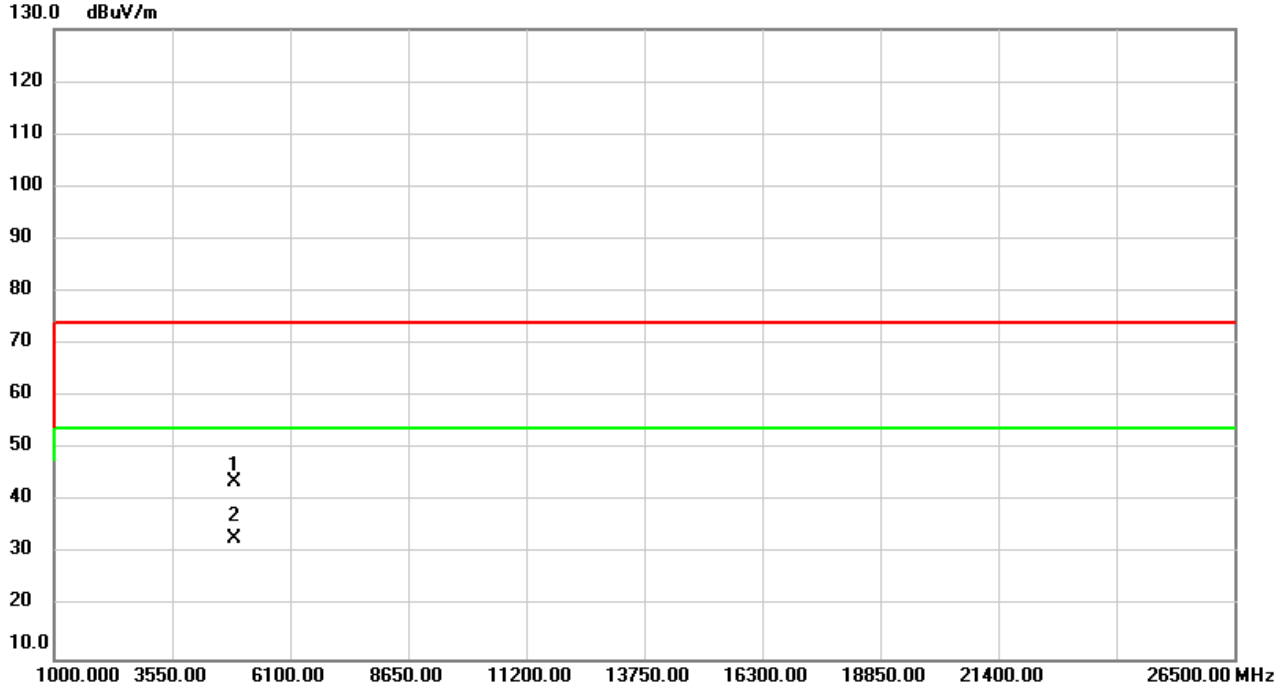
Test Mode	IEEE 802.11n (HT40)	Test Date	2021/1/18
Test Frequency	2437MHz	Polarization	Horizontal
Temp	21°C	Hum.	70%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	53.43	-9.79	43.64	74.00	-30.36	peak	
2	*	4874.000	42.73	-9.79	32.94	54.00	-21.06	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

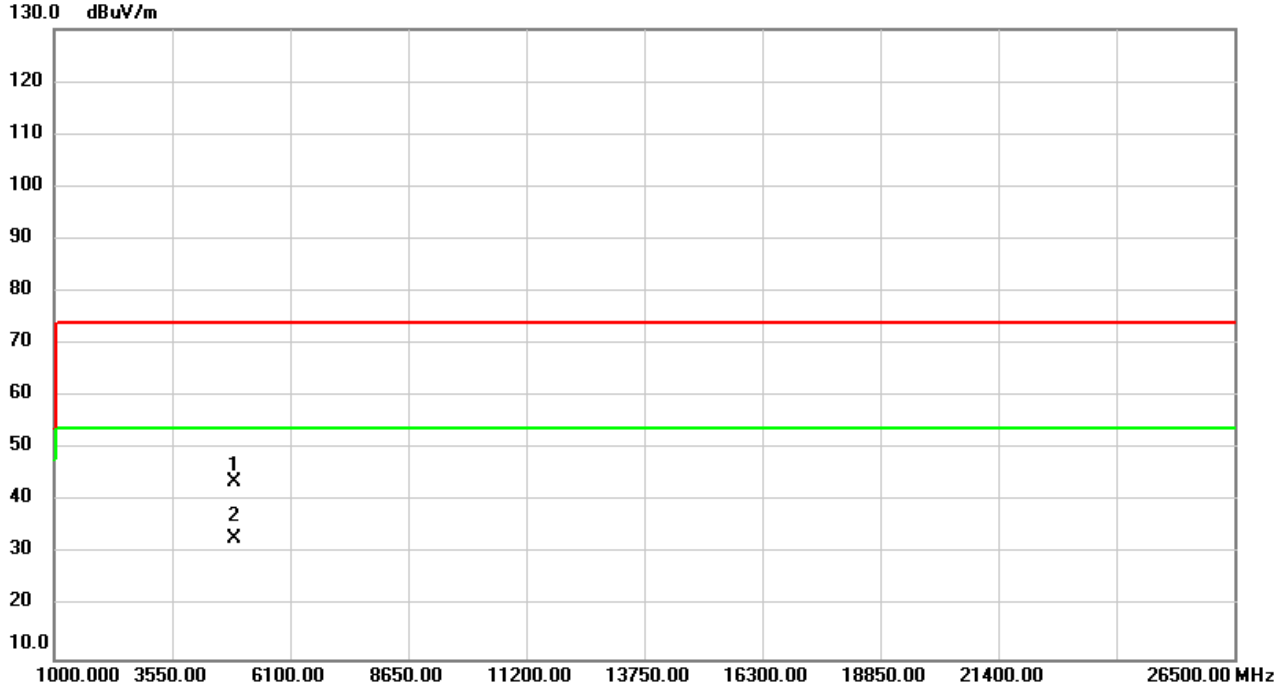
Test Mode	IEEE 802.11n (HT40)	Test Date	2021/1/18
Test Frequency	2452MHz	Polarization	Vertical
Temp	21°C	Hum.	70%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4904.000	53.41	-9.69	43.72	74.00	-30.28	peak	
2	*	4904.000	42.57	-9.69	32.88	54.00	-21.12	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

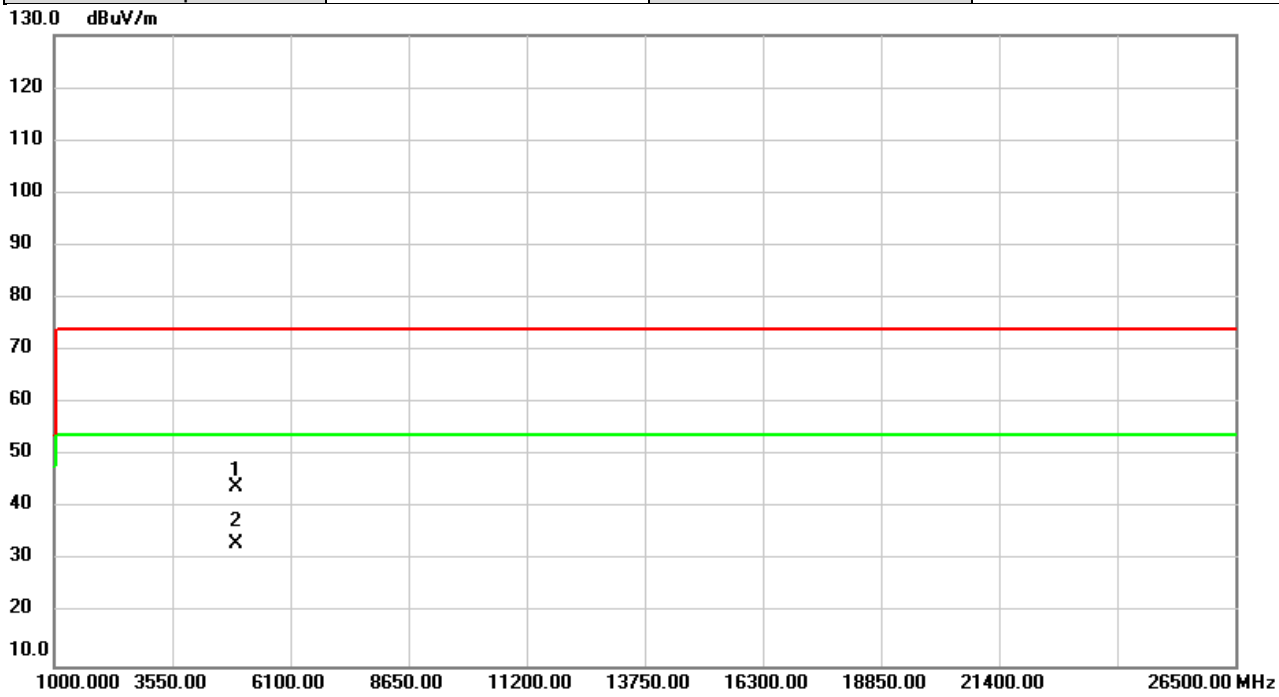
Test Mode	IEEE 802.11n (HT40)	Test Date	2021/1/18
Test Frequency	2452MHz	Polarization	Horizontal
Temp	21°C	Hum.	70%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4904.000	53.54	-9.69	43.85	74.00	-30.15	peak	
2	*	4904.000	42.64	-9.69	32.95	54.00	-21.05	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

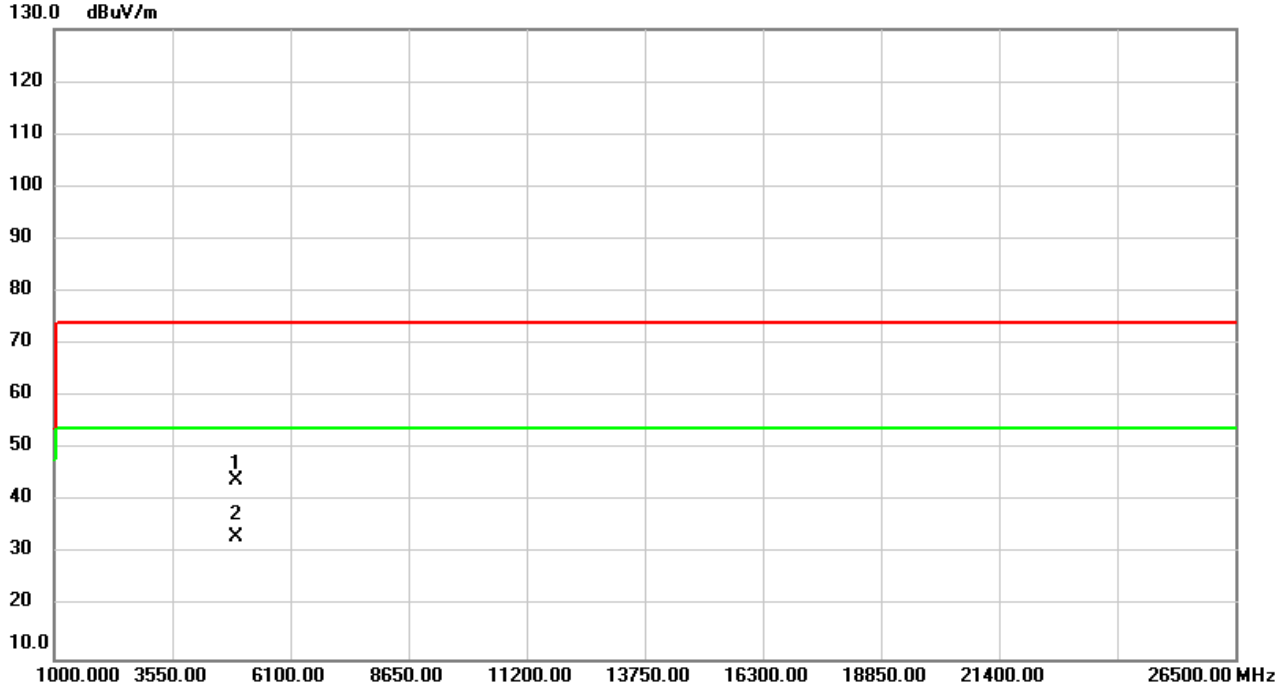
Test Mode	IEEE 802.11n (HT40)	Test Date	2021/2/8
Test Frequency	2457MHz	Polarization	Vertical
Temp	23°C	Hum.	67%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4914.000	53.70	-9.65	44.05	74.00	-29.95	peak	
2	*	4914.000	42.84	-9.65	33.19	54.00	-20.81	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

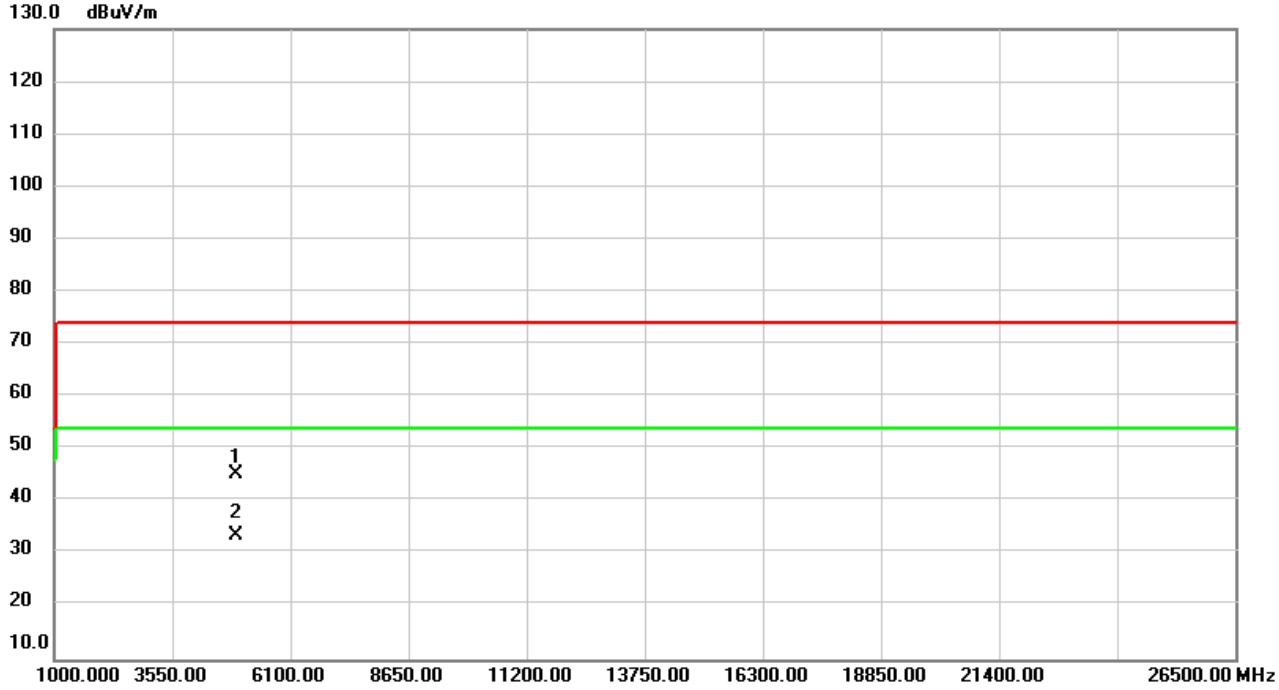
Test Mode	IEEE 802.11n (HT40)	Test Date	2021/2/8
Test Frequency	2457MHz	Polarization	Horizontal
Temp	23°C	Hum.	67%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4914.000	53.63	-9.65	43.98	74.00	-30.02	peak	
2	*	4914.000	42.79	-9.65	33.14	54.00	-20.86	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

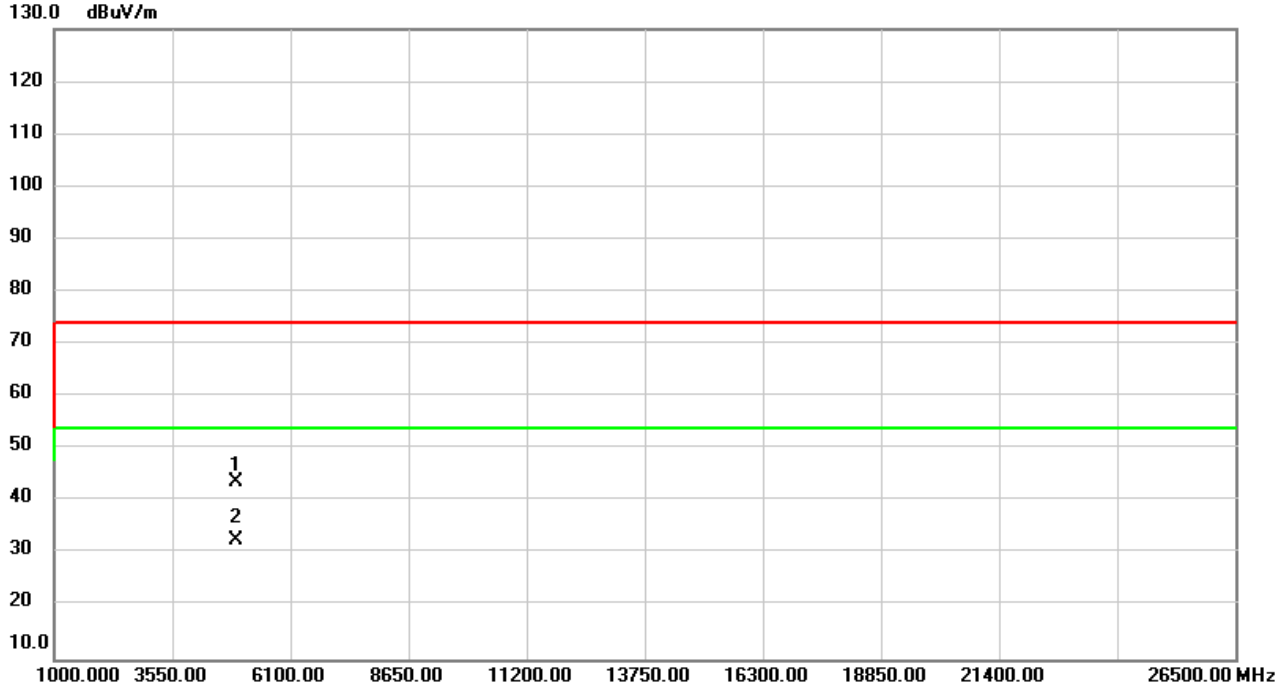
Test Mode	IEEE 802.11n (HT40)	Test Date	2021/2/8
Test Frequency	2462MHz	Polarization	Vertical
Temp	23°C	Hum.	67%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	54.88	-9.62	45.26	74.00	-28.74	peak	
2	*	4924.000	43.15	-9.62	33.53	54.00	-20.47	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

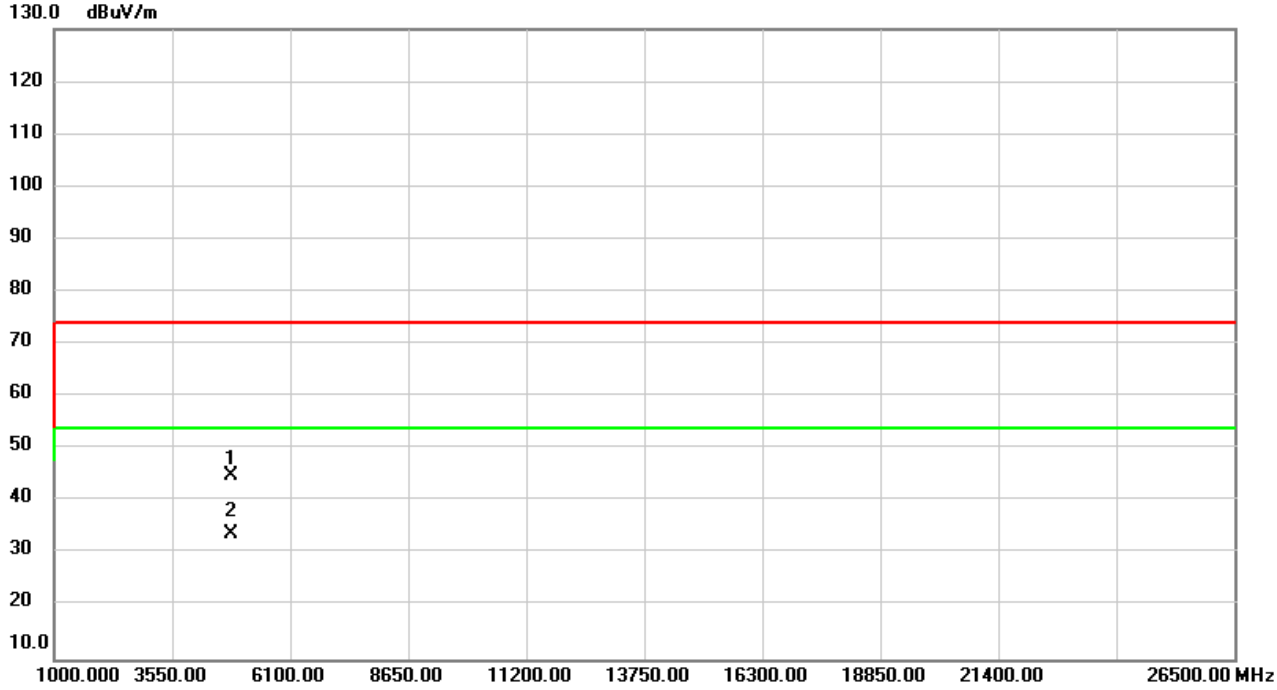
Test Mode	IEEE 802.11n (HT40)	Test Date	2021/2/8
Test Frequency	2462MHz	Polarization	Horizontal
Temp	23°C	Hum.	67%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	53.23	-9.62	43.61	74.00	-30.39	peak	
2	*	4924.000	42.17	-9.62	32.55	54.00	-21.45	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

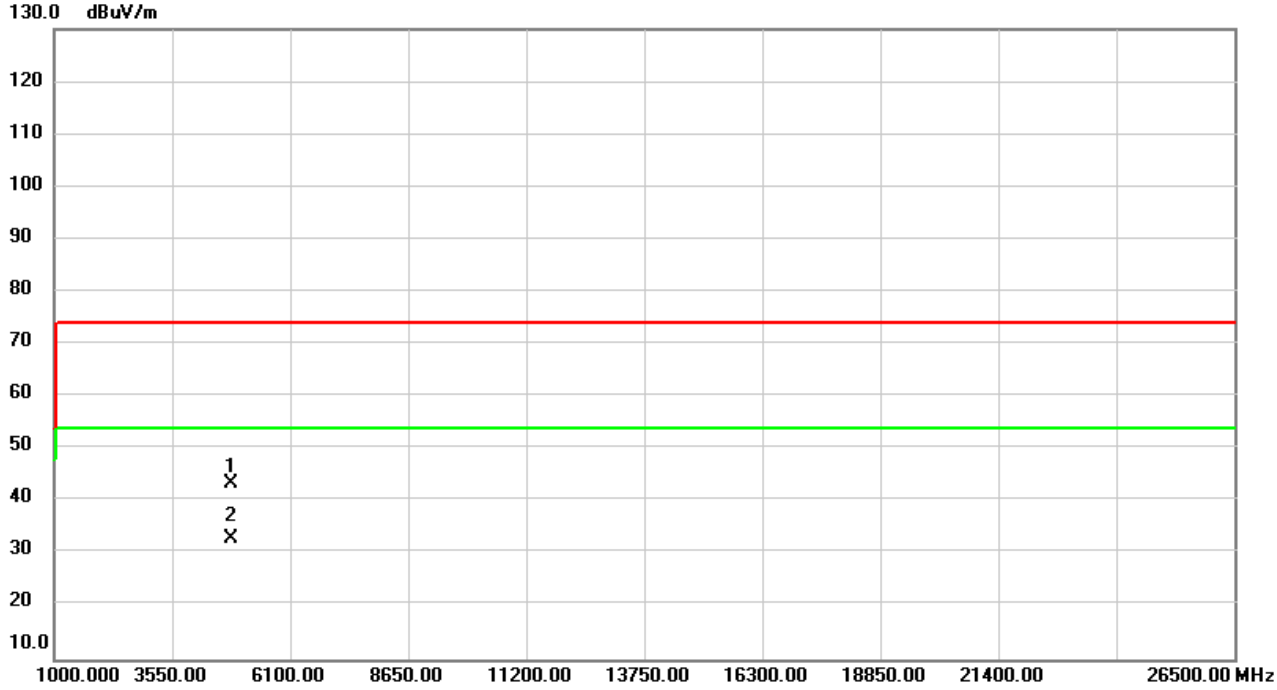
Test Mode	IEEE 802.11ax (HEW20)	Test Date	2021/1/18
Test Frequency	2412MHz	Polarization	Vertical
Temp	21°C	Hum.	70%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	54.88	-9.96	44.92	74.00	-29.08	peak	
2	*	4824.000	43.71	-9.96	33.75	54.00	-20.25	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

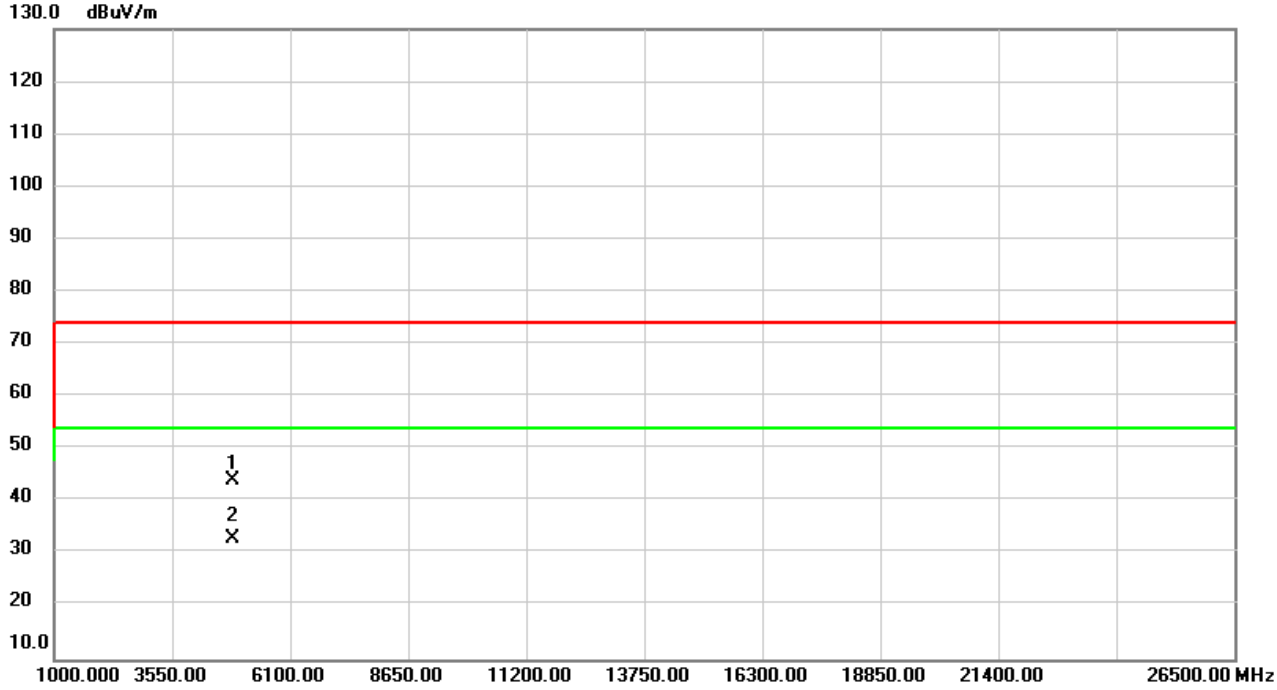
Test Mode	IEEE 802.11ax (HEW20)	Test Date	2021/1/18
Test Frequency	2412MHz	Polarization	Horizontal
Temp	21°C	Hum.	70%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	53.50	-9.96	43.54	74.00	-30.46	peak	
2	*	4824.000	42.84	-9.96	32.88	54.00	-21.12	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

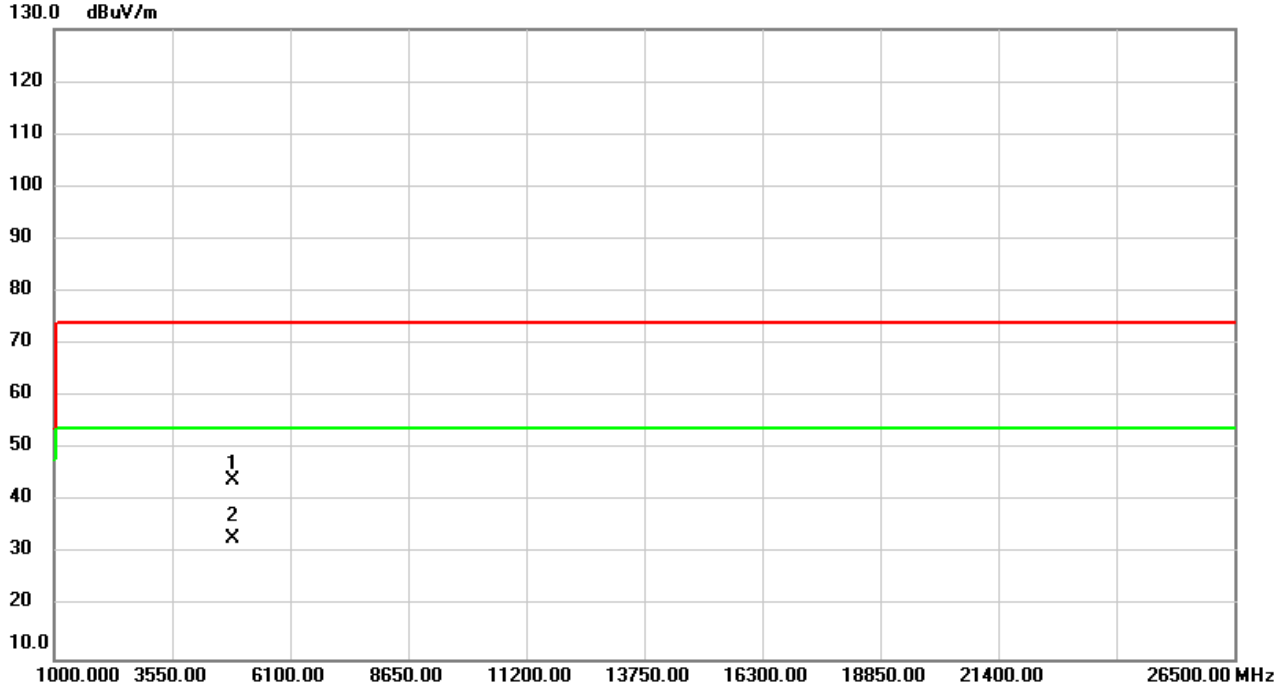
Test Mode	IEEE 802.11ax (HEW20)	Test Date	2021/1/18
Test Frequency	2437MHz	Polarization	Vertical
Temp	21°C	Hum.	70%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	53.70	-9.79	43.91	74.00	-30.09	peak	
2	*	4874.000	42.72	-9.79	32.93	54.00	-21.07	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

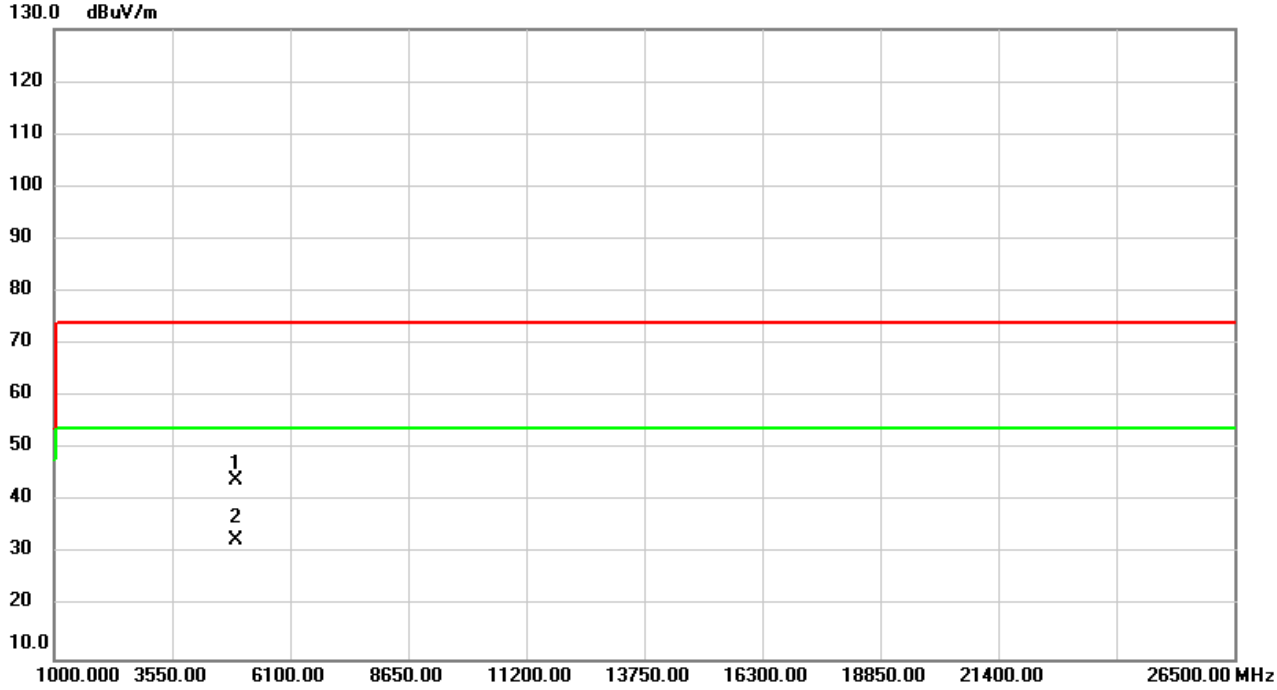
Test Mode	IEEE 802.11ax (HEW20)	Test Date	2021/1/18
Test Frequency	2437MHz	Polarization	Horizontal
Temp	21°C	Hum.	70%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	53.80	-9.79	44.01	74.00	-29.99	peak	
2	*	4874.000	42.83	-9.79	33.04	54.00	-20.96	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

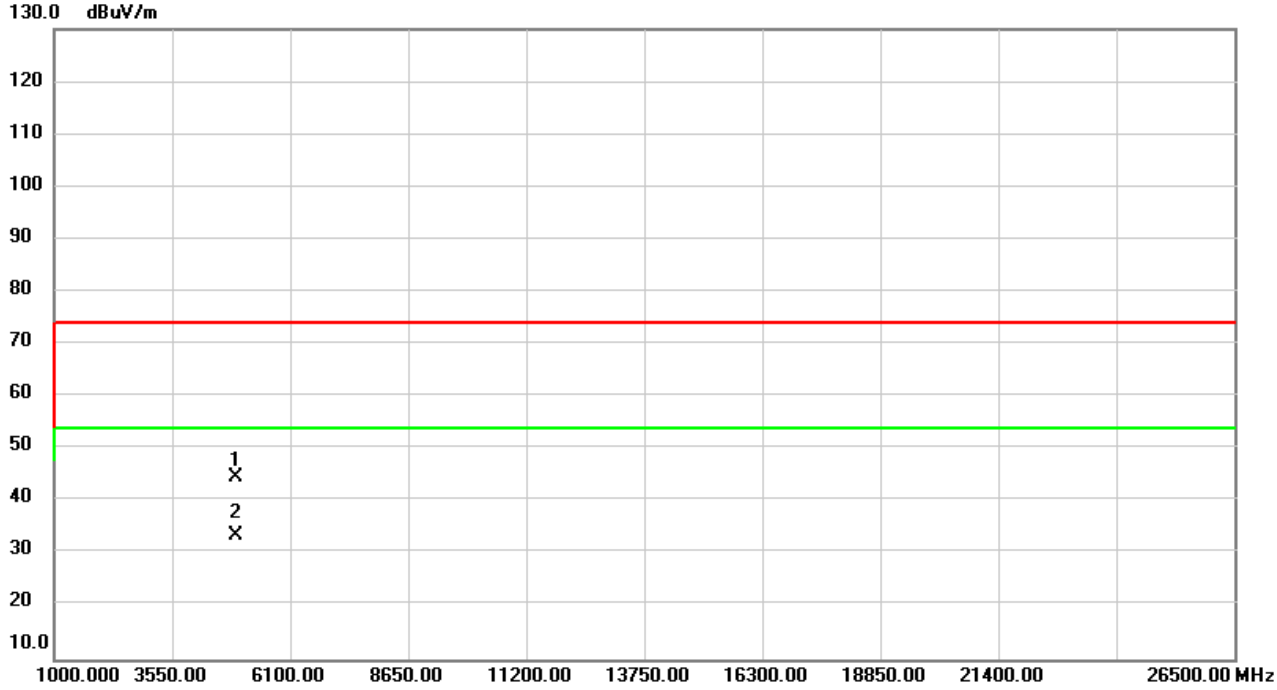
Test Mode	IEEE 802.11ax (HEW20)	Test Date	2021/1/18
Test Frequency	2462MHz	Polarization	Vertical
Temp	21°C	Hum.	70%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	53.77	-9.62	44.15	74.00	-29.85	peak	
2	*	4924.000	42.27	-9.62	32.65	54.00	-21.35	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

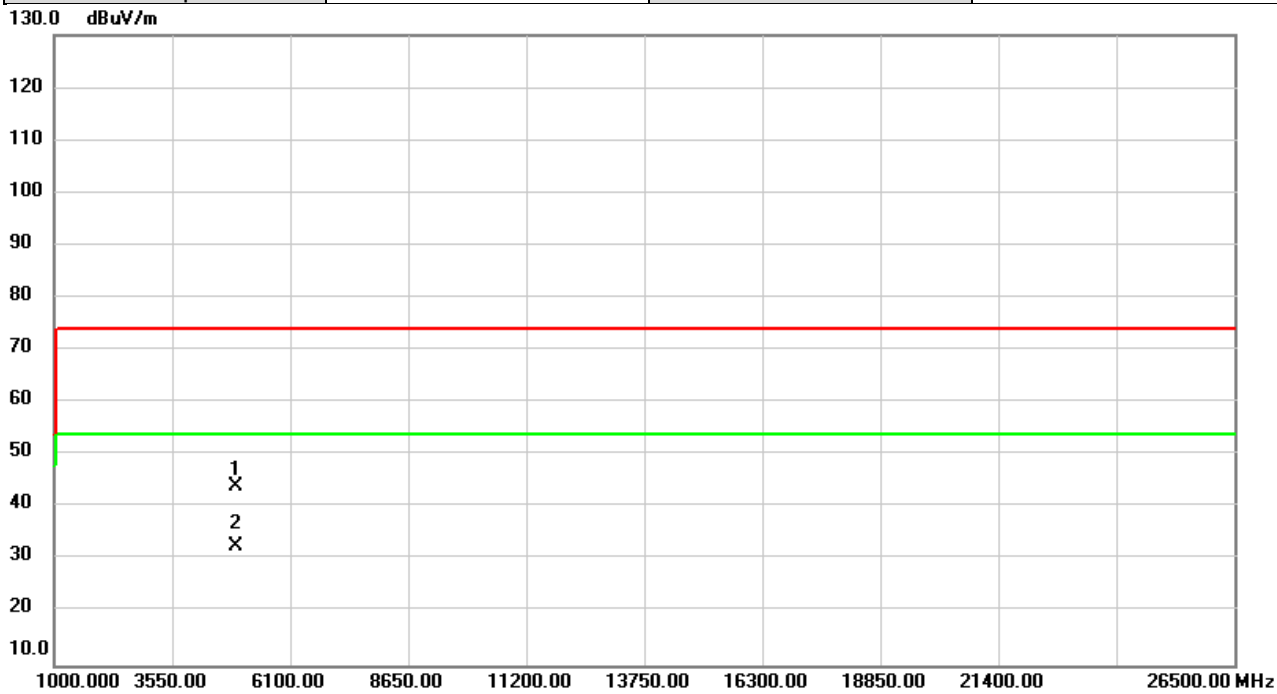
Test Mode	IEEE 802.11ax (HEW20)	Test Date	2021/1/18
Test Frequency	2462MHz	Polarization	Horizontal
Temp	21°C	Hum.	70%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	54.35	-9.62	44.73	74.00	-29.27	peak	
2	*	4924.000	43.26	-9.62	33.64	54.00	-20.36	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

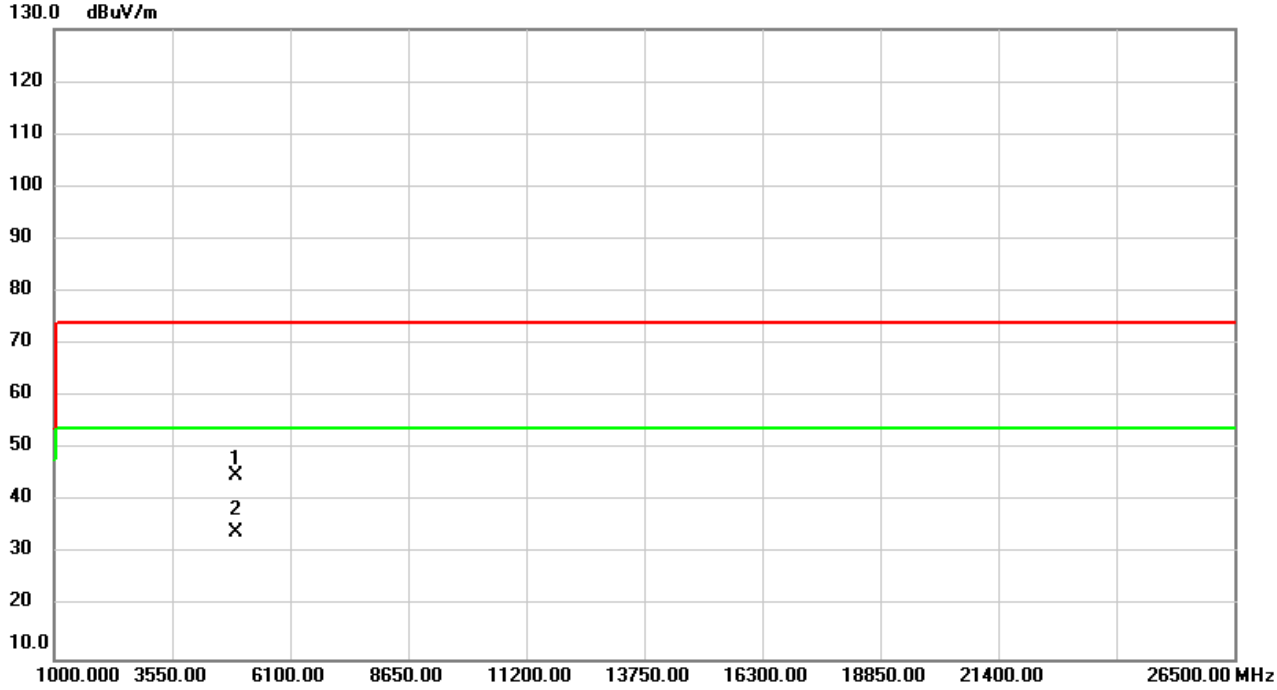
Test Mode	IEEE 802.11ax (HEW20)	Test Date	2021/2/8
Test Frequency	2467MHz	Polarization	Vertical
Temp	23°C	Hum.	67%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4934.000	53.62	-9.59	44.03	74.00	-29.97	peak	
2	*	4934.000	42.37	-9.59	32.78	54.00	-21.22	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

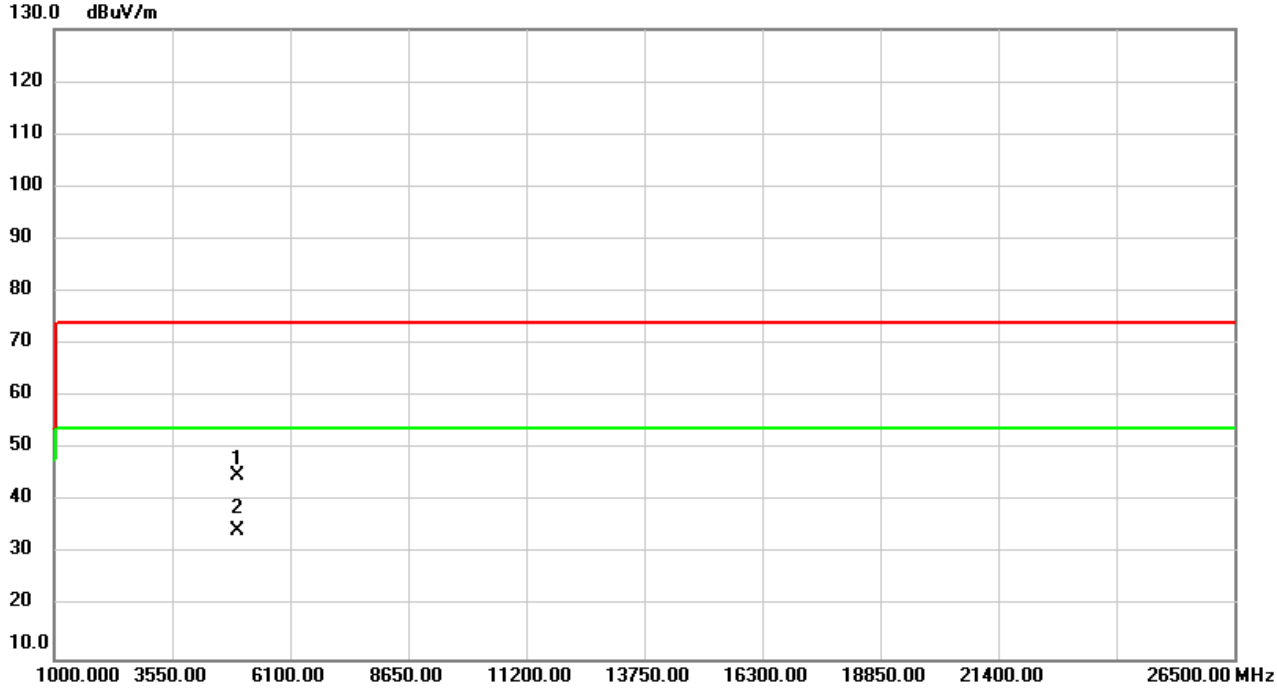
Test Mode	IEEE 802.11ax (HEW20)	Test Date	2021/2/8
Test Frequency	2467MHz	Polarization	Horizontal
Temp	23°C	Hum.	67%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4934.000	54.47	-9.59	44.88	74.00	-29.12	peak	
2	*	4934.000	43.83	-9.59	34.24	54.00	-19.76	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

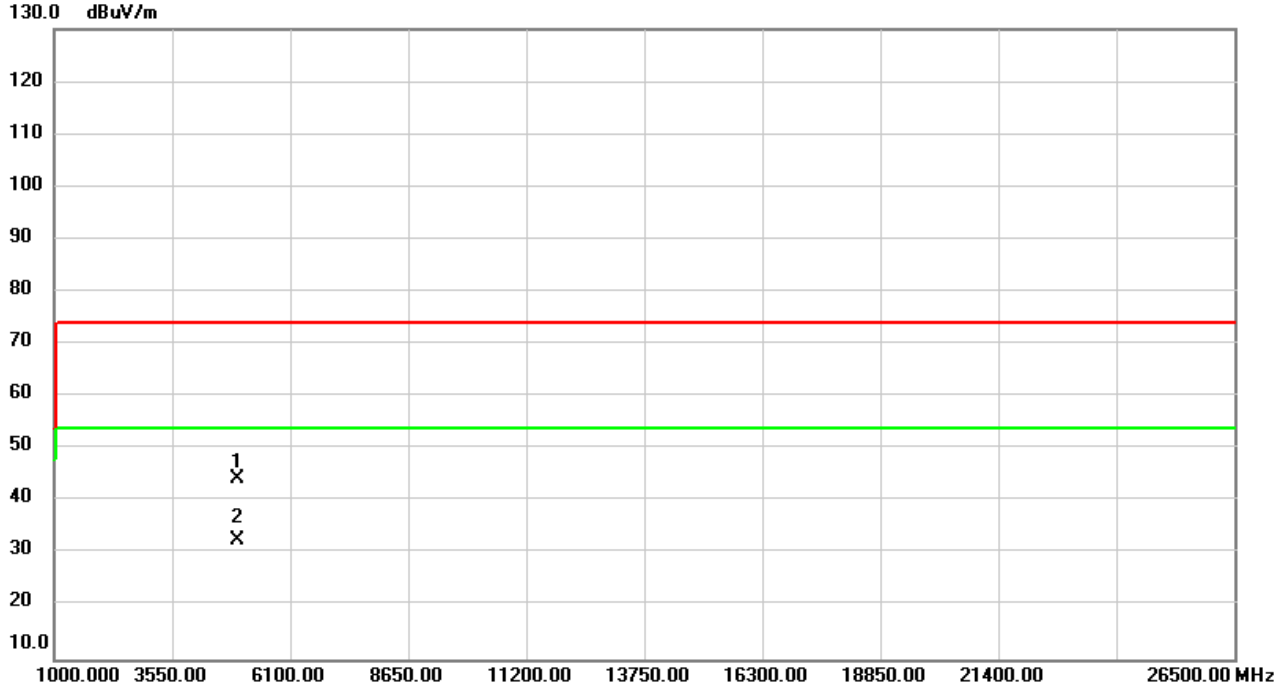
Test Mode	IEEE 802.11ax (HEW20)	Test Date	2021/2/8
Test Frequency	2472MHz	Polarization	Vertical
Temp	23°C	Hum.	67%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4944.000	54.39	-9.55	44.84	74.00	-29.16	peak	
2	*	4944.000	43.86	-9.55	34.31	54.00	-19.69	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

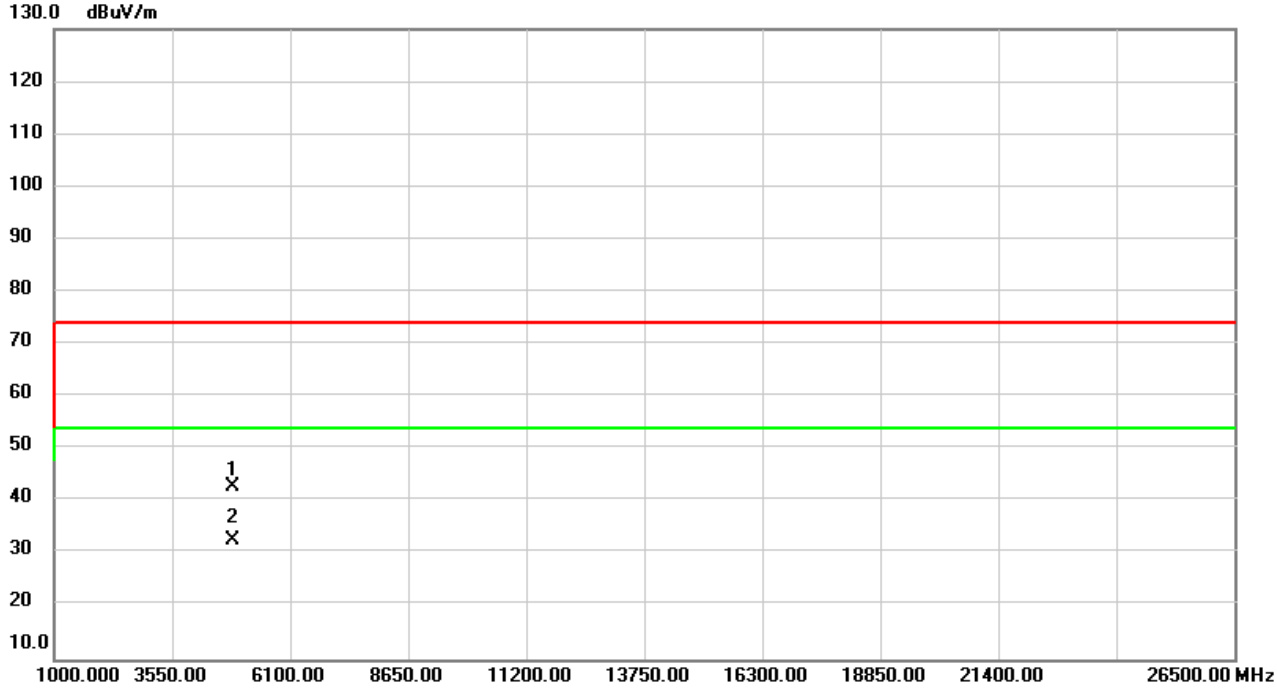
Test Mode	IEEE 802.11ax (HEW20)	Test Date	2021/2/8
Test Frequency	2472MHz	Polarization	Horizontal
Temp	23°C	Hum.	67%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4944.000	53.88	-9.55	44.33	74.00	-29.67	peak	
2	*	4944.000	42.33	-9.55	32.78	54.00	-21.22	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

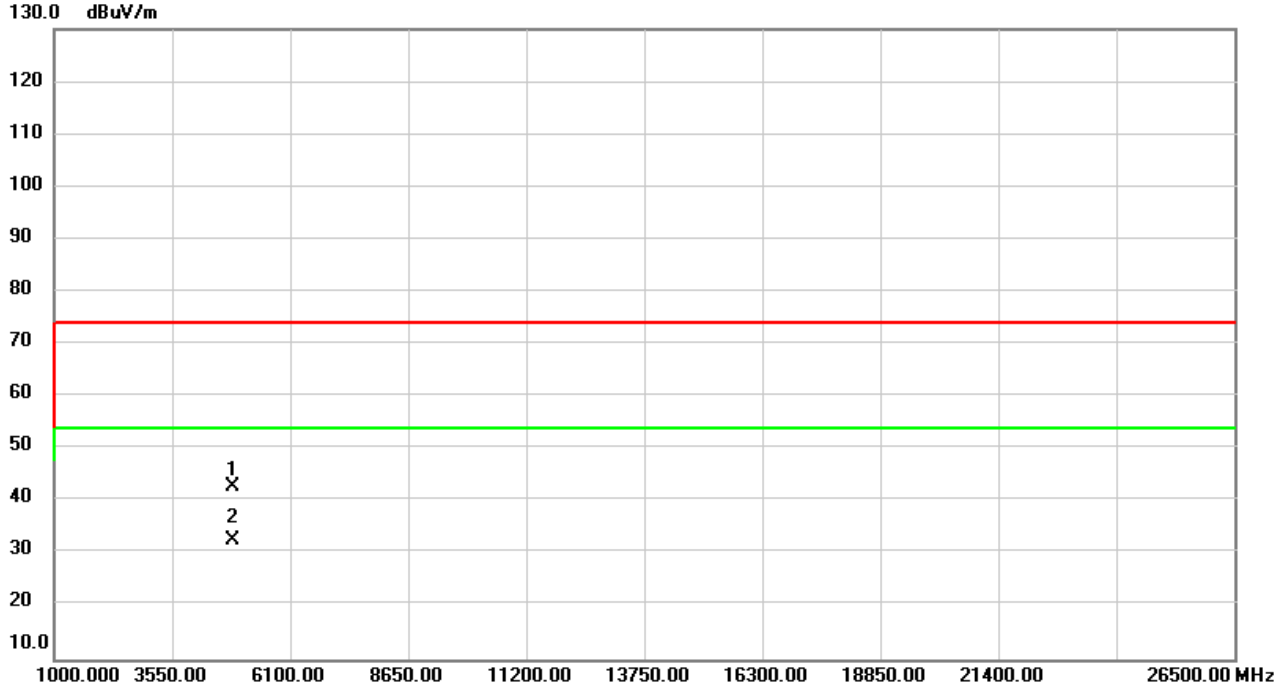
Test Mode	IEEE 802.11ax (HEW40)	Test Date	2021/1/18
Test Frequency	2422MHz	Polarization	Vertical
Temp	21°C	Hum.	70%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4844.000	52.59	-9.89	42.70	74.00	-31.30	peak	
2	*	4844.000	42.53	-9.89	32.64	54.00	-21.36	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

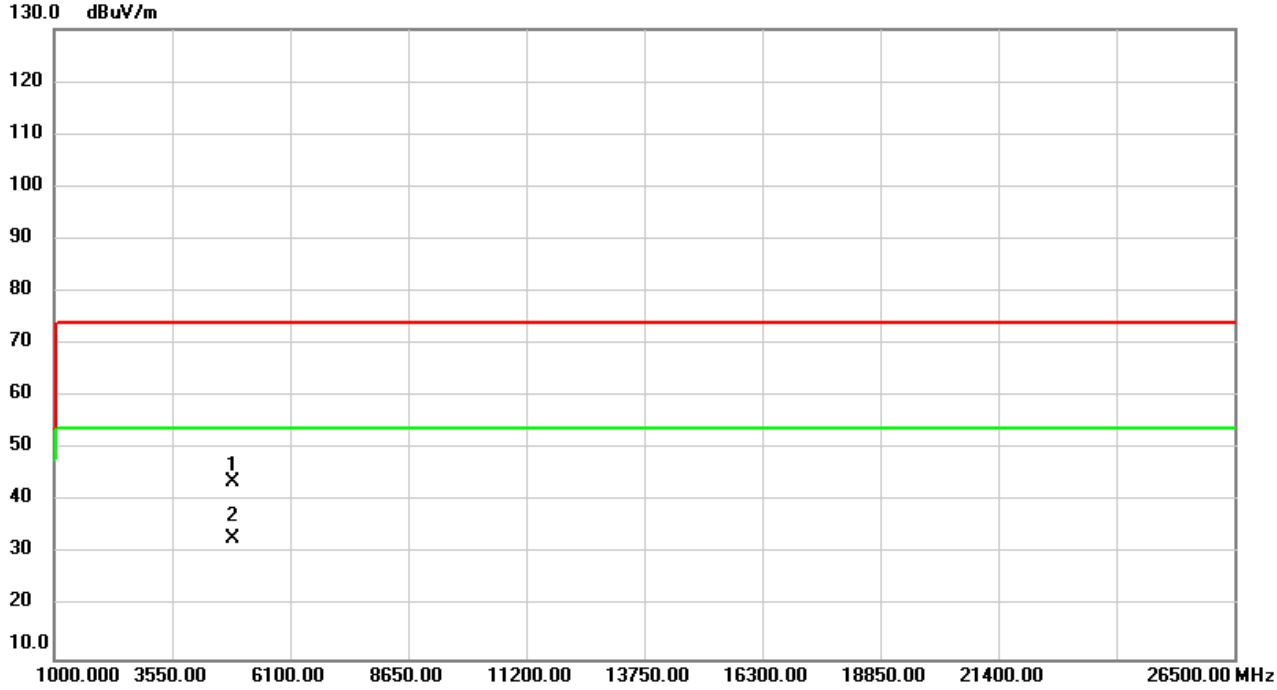
Test Mode	IEEE 802.11ax (HEW40)	Test Date	2021/1/18
Test Frequency	2422MHz	Polarization	Horizontal
Temp	21°C	Hum.	70%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4844.000	52.60	-9.89	42.71	74.00	-31.29	peak	
2	*	4844.000	42.46	-9.89	32.57	54.00	-21.43	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

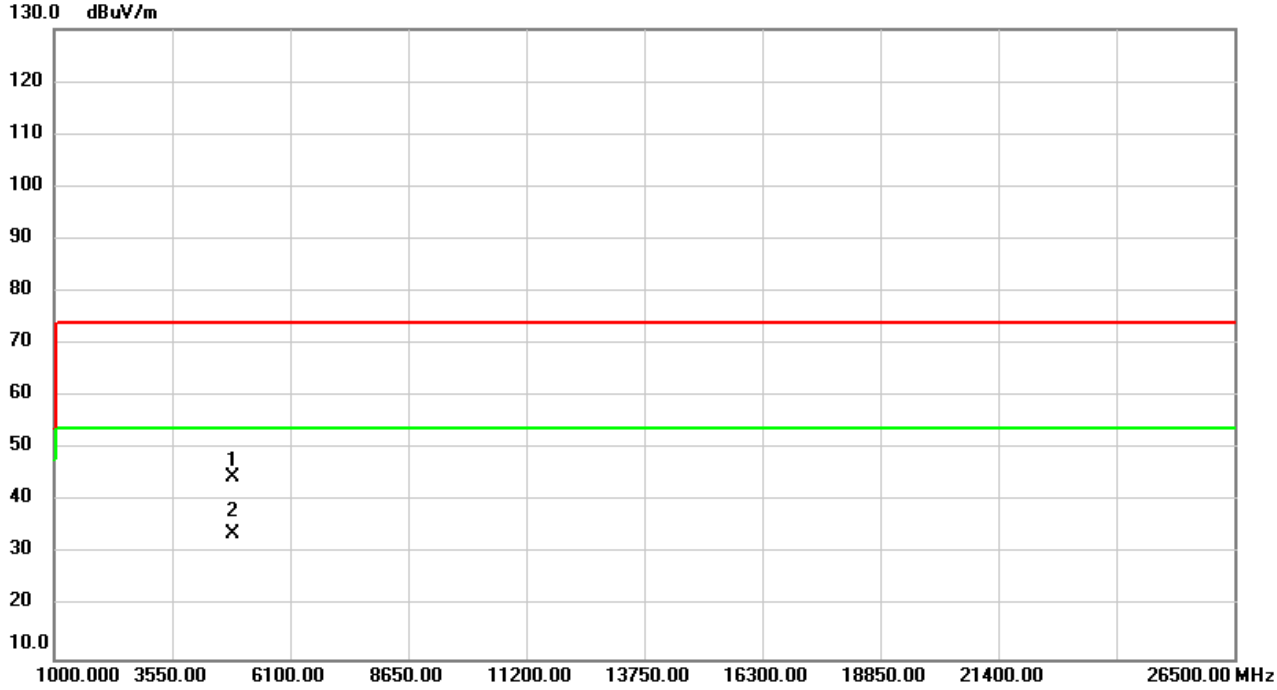
Test Mode	IEEE 802.11ax (HEW40)	Test Date	2021/1/18
Test Frequency	2437MHz	Polarization	Vertical
Temp	21°C	Hum.	70%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	53.44	-9.79	43.65	74.00	-30.35	peak	
2	*	4874.000	42.69	-9.79	32.90	54.00	-21.10	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

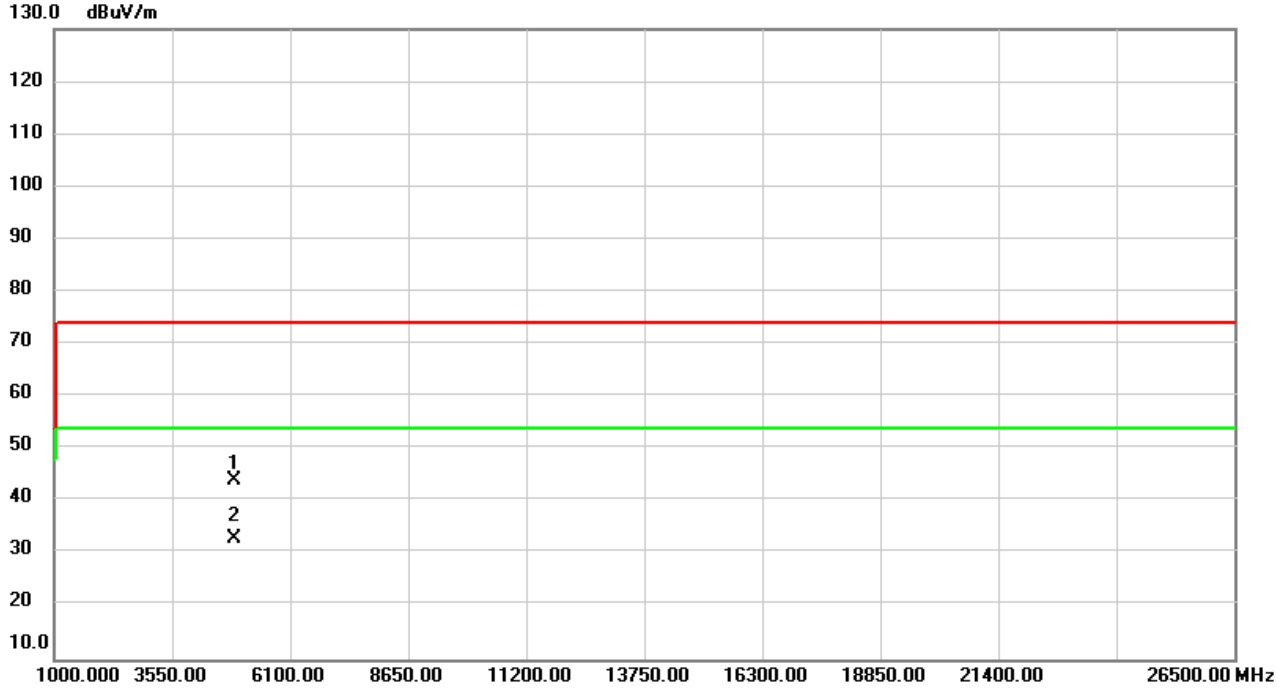
Test Mode	IEEE 802.11ax (HEW40)	Test Date	2021/1/18
Test Frequency	2437MHz	Polarization	Horizontal
Temp	21°C	Hum.	70%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	54.30	-9.79	44.51	74.00	-29.49	peak	
2	*	4874.000	43.69	-9.79	33.90	54.00	-20.10	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

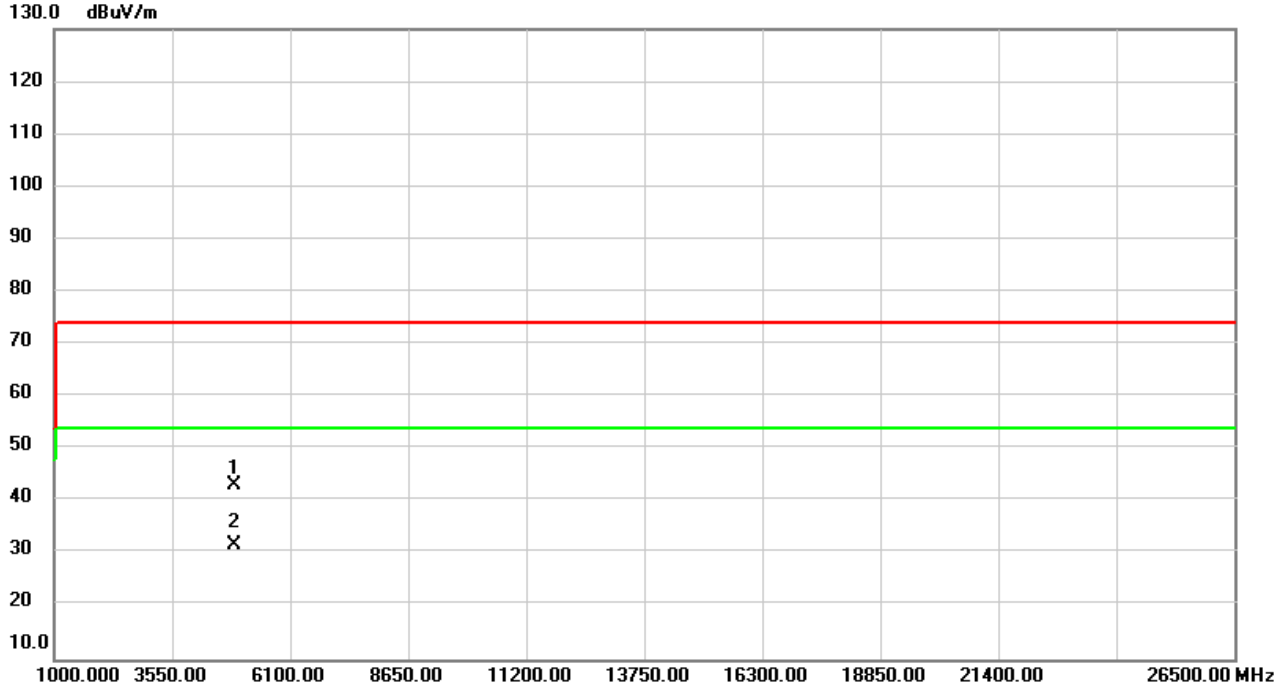
Test Mode	IEEE 802.11ax (HEW40)	Test Date	2021/1/18
Test Frequency	2452MHz	Polarization	Vertical
Temp	21°C	Hum.	70%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4904.000	53.68	-9.69	43.99	74.00	-30.01	peak	
2	*	4904.000	42.50	-9.69	32.81	54.00	-21.19	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

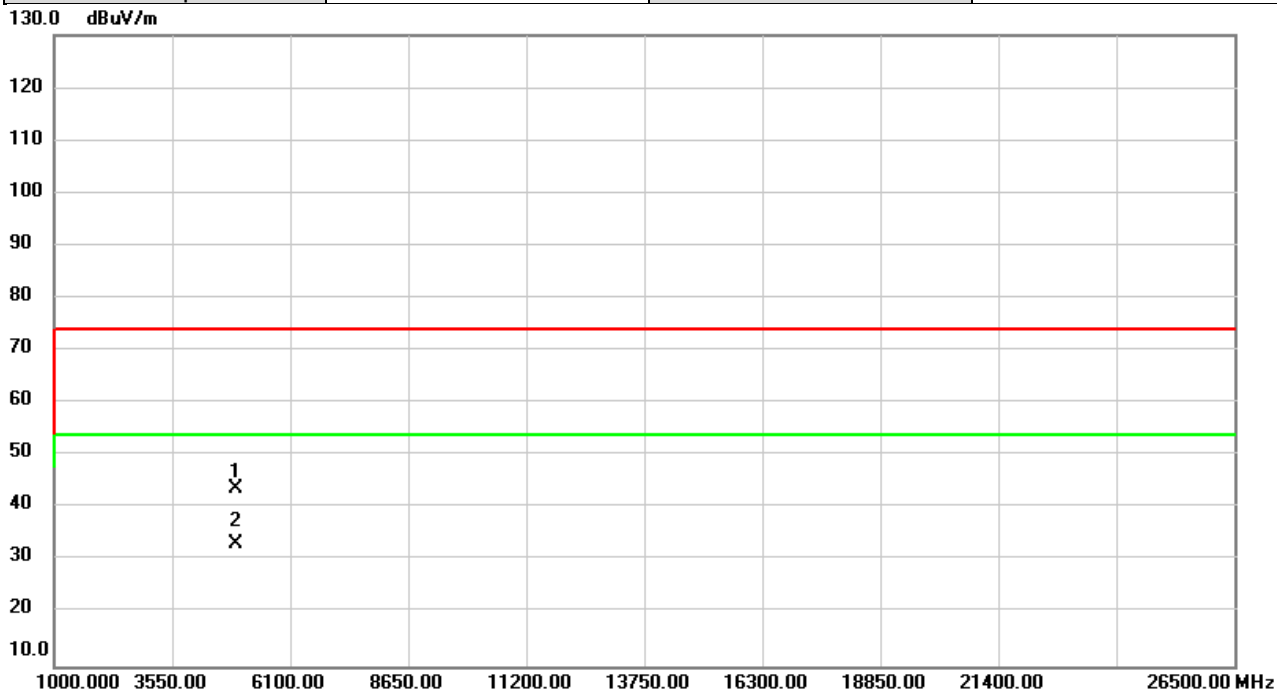
Test Mode	IEEE 802.11ax (HEW40)	Test Date	2021/1/18
Test Frequency	2452MHz	Polarization	Horizontal
Temp	21°C	Hum.	70%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4904.000	52.84	-9.69	43.15	74.00	-30.85	peak	
2	*	4904.000	41.59	-9.69	31.90	54.00	-22.10	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

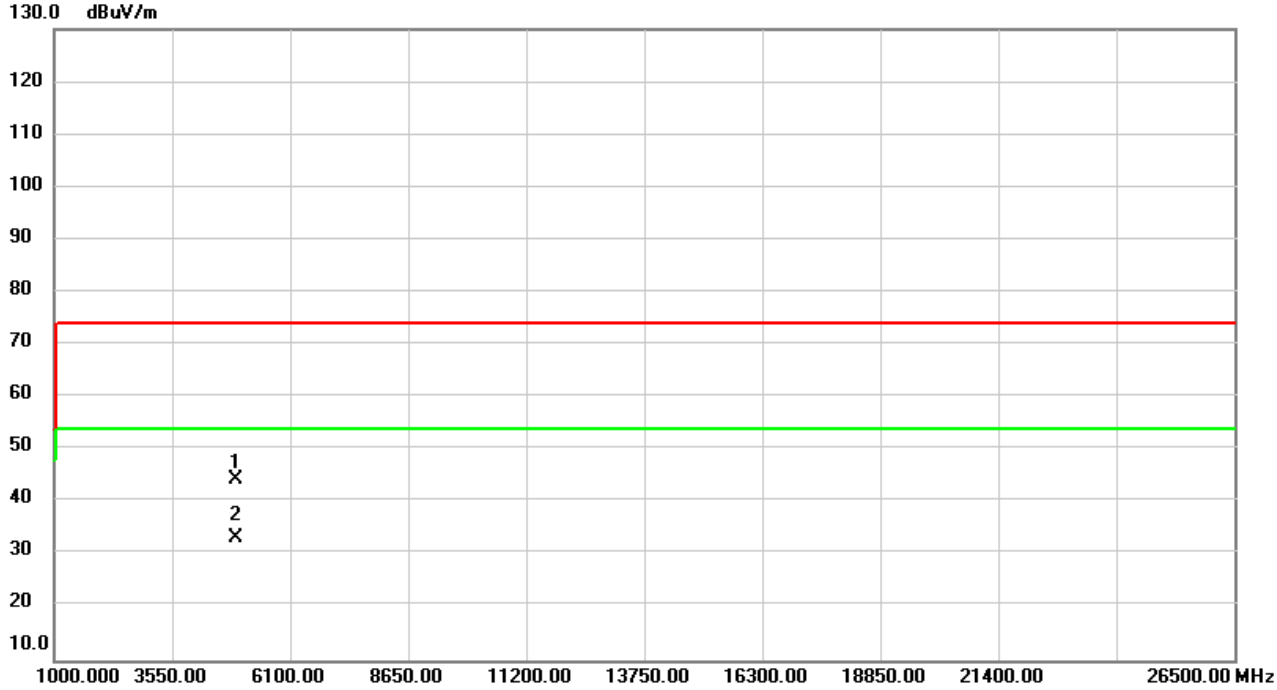
Test Mode	IEEE 802.11ax (HEW40)	Test Date	2021/2/8
Test Frequency	2457MHz	Polarization	Vertical
Temp	23°C	Hum.	67%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4914.000	53.55	-9.65	43.90	74.00	-30.10	peak	
2	*	4914.000	42.84	-9.65	33.19	54.00	-20.81	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

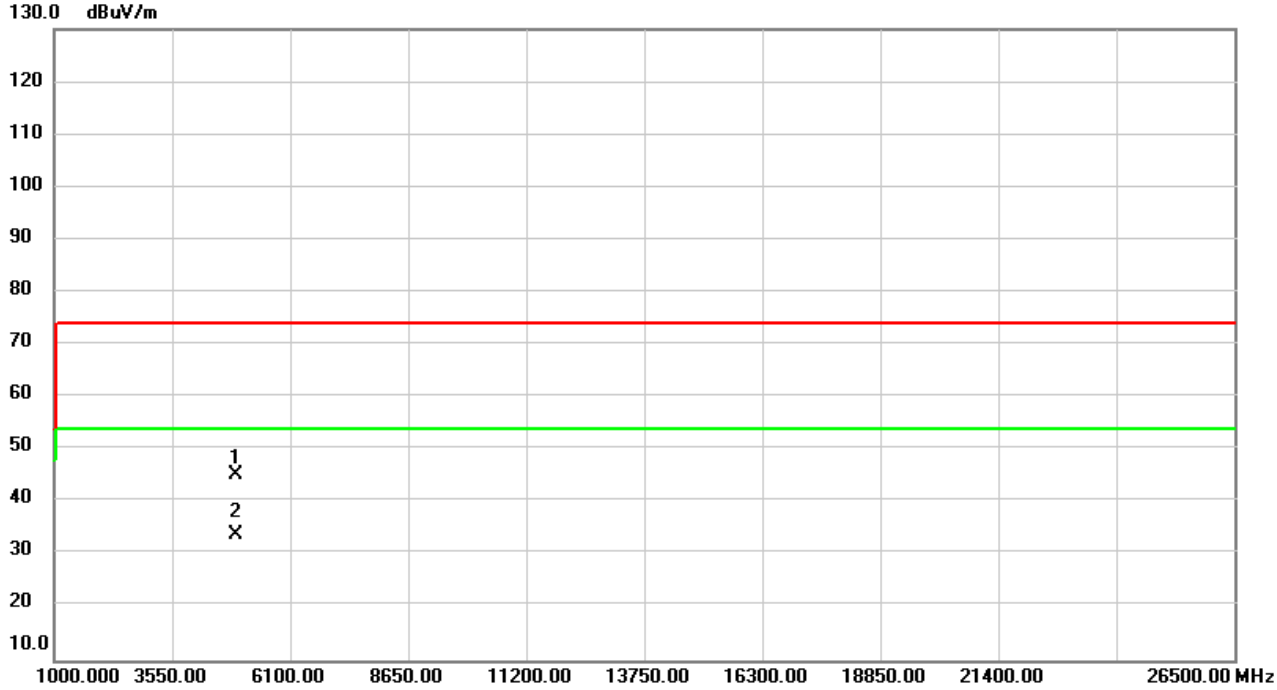
Test Mode	IEEE 802.11ax (HEW40)	Test Date	2021/2/8
Test Frequency	2457MHz	Polarization	Horizontal
Temp	23°C	Hum.	67%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4914.000	53.87	-9.65	44.22	74.00	-29.78	peak	
2	*	4914.000	42.95	-9.65	33.30	54.00	-20.70	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

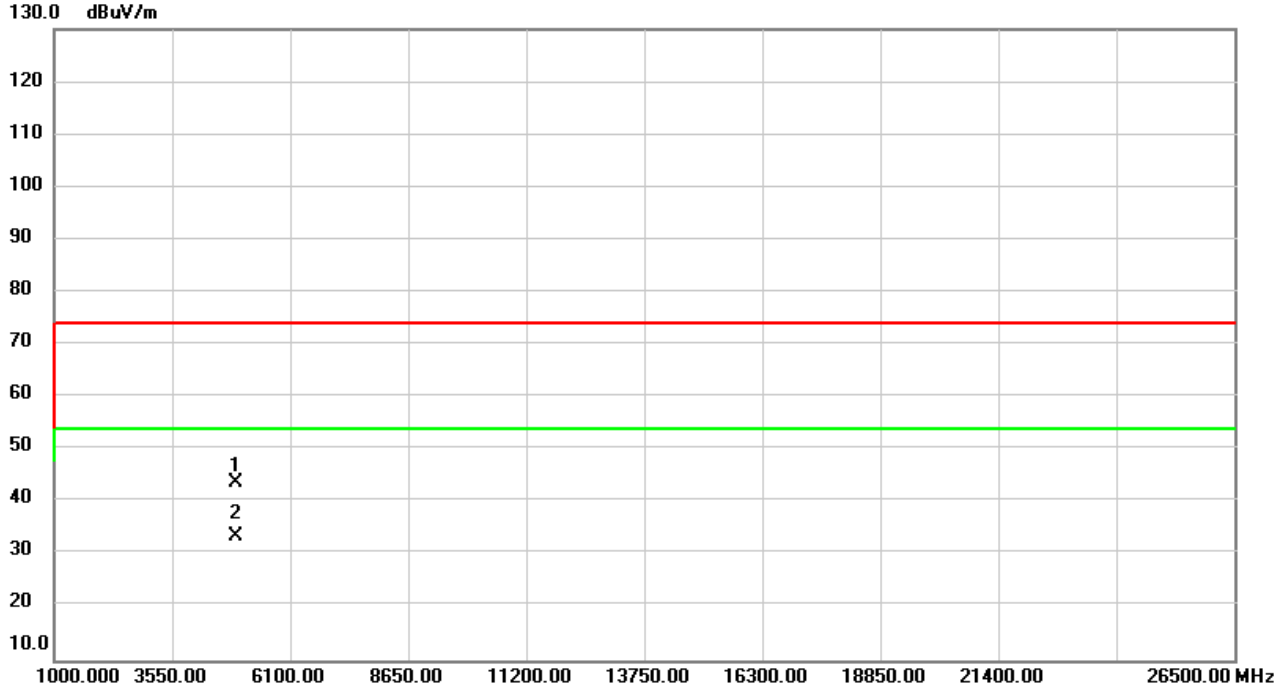
Test Mode	IEEE 802.11ax (HEW40)	Test Date	2021/2/8
Test Frequency	2462MHz	Polarization	Vertical
Temp	23°C	Hum.	67%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	54.83	-9.62	45.21	74.00	-28.79	peak	
2	*	4924.000	43.48	-9.62	33.86	54.00	-20.14	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	IEEE 802.11ax (HEW40)	Test Date	2021/2/8
Test Frequency	2462MHz	Polarization	Horizontal
Temp	23°C	Hum.	67%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	53.30	-9.62	43.68	74.00	-30.32	peak	
2	*	4924.000	43.09	-9.62	33.47	54.00	-20.53	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

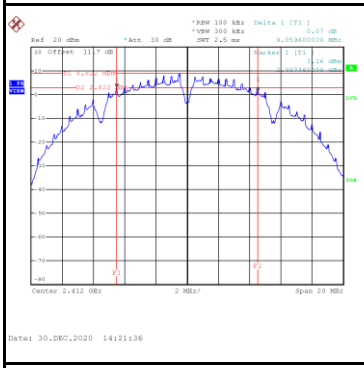
APPENDIX D BANDWIDTH

Test Mode	IEEE 802.11b_Main Antenna

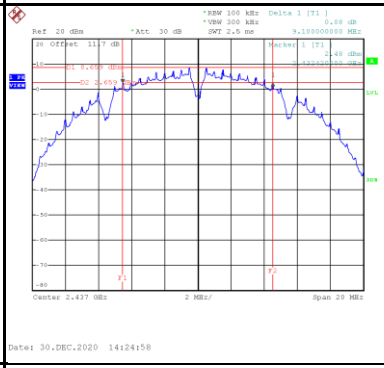
Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	9.06	13.52	≥ 500	Pass
2437	9.10	13.52	≥ 500	Pass
2462	8.08	13.44	≥ 500	Pass
2467	10.12	13.44	≥ 500	Pass
2472	10.16	13.44	≥ 500	Pass

6dB Bandwidth

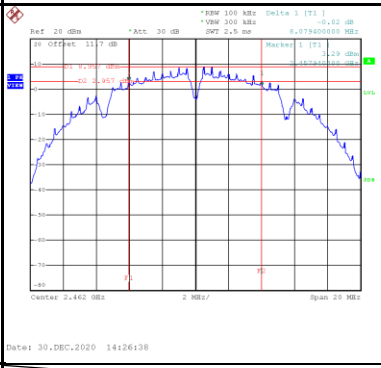
2412 MHz



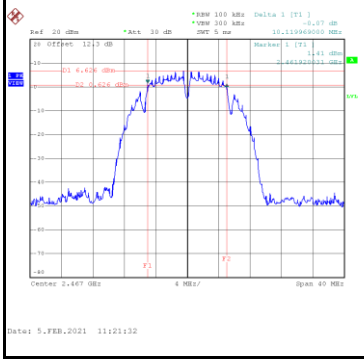
2437 MHz



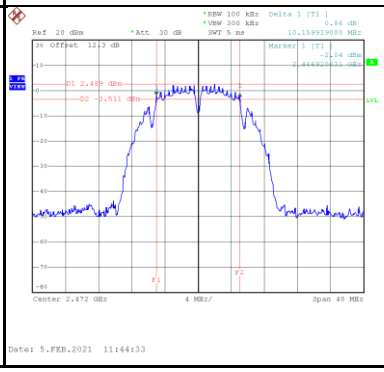
2462 MHz

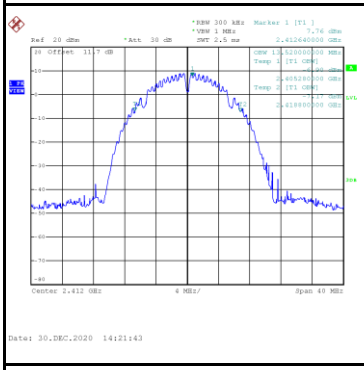
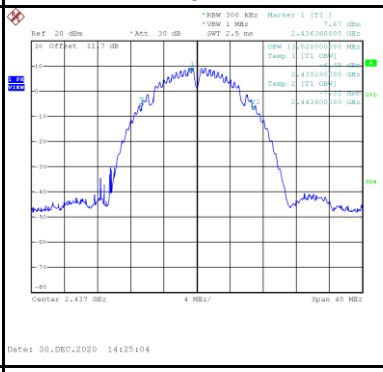
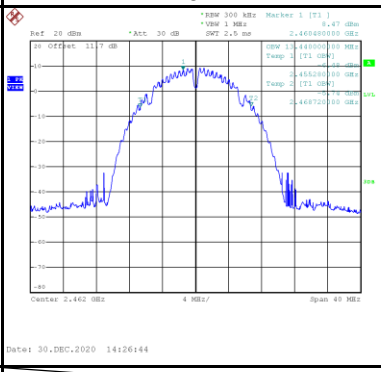
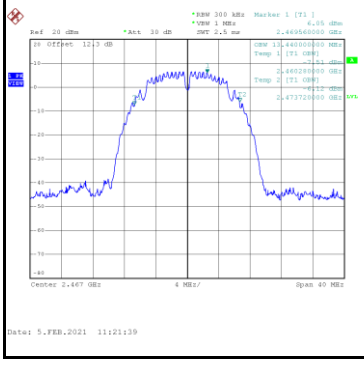
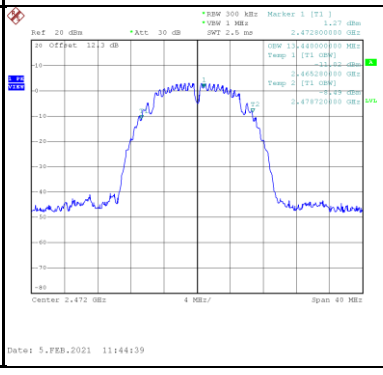


2467 MHz



2472 MHz



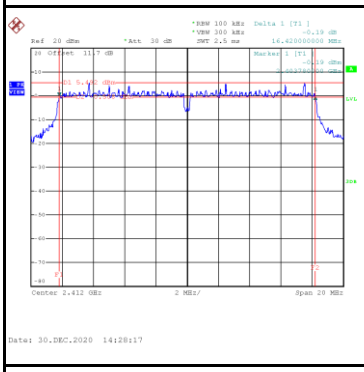
99% Occupied BW		
2412 MHz	2437 MHz	2462 MHz
		
2467 MHz	2472 MHz	
		

Test Mode	IEEE 802.11g_Main Antenna

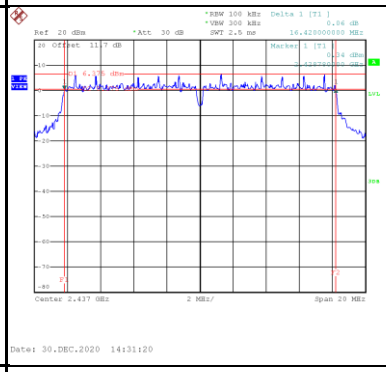
Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	16.42	17.20	≥ 500	Pass
2437	16.42	17.20	≥ 500	Pass
2462	16.41	17.12	≥ 500	Pass
2467	16.39	17.20	≥ 500	Pass
2472	16.48	16.56	≥ 500	Pass

6dB Bandwidth

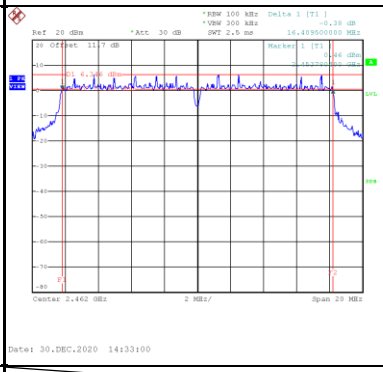
2412 MHz



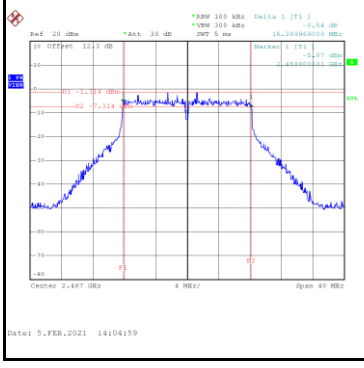
2437 MHz



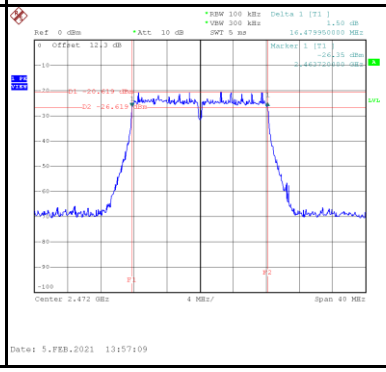
2462 MHz

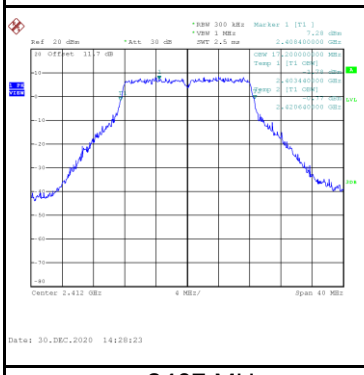
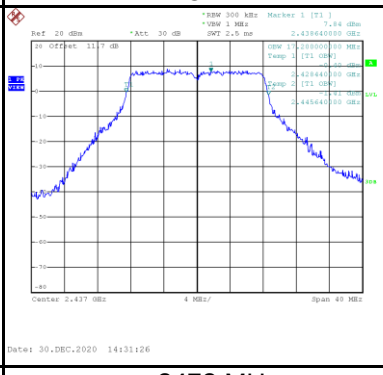
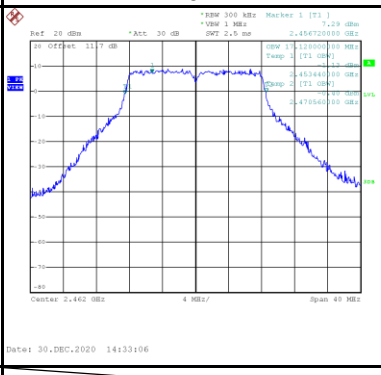
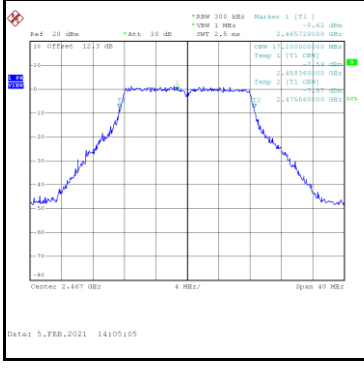
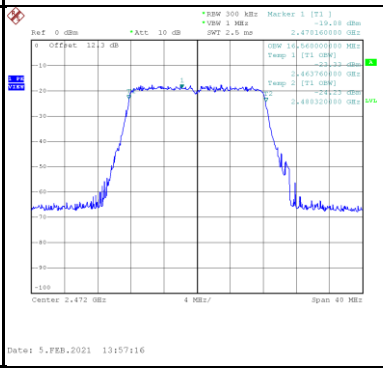


2467 MHz



2472 MHz



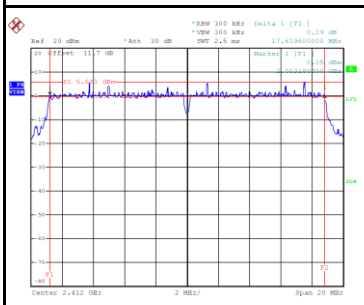
99% Occupied BW		
2412 MHz	2437 MHz	2462 MHz
		
2467 MHz	2472 MHz	
		

Test Mode	IEEE 802.11n (HT20)_Main Antenna

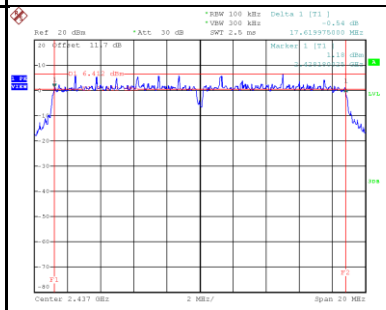
Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	17.62	18.32	≥ 500	Pass
2437	17.62	18.24	≥ 500	Pass
2462	17.62	18.24	≥ 500	Pass
2467	17.64	18.16	≥ 500	Pass
2472	17.67	17.76	≥ 500	Pass

6dB Bandwidth

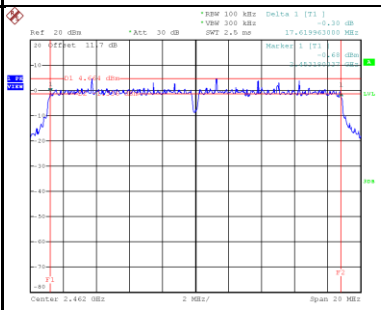
2412 MHz



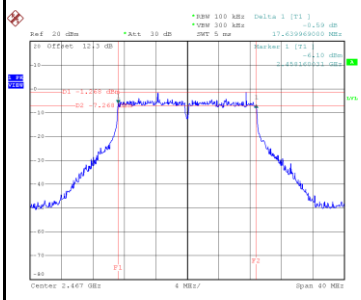
2437 MHz



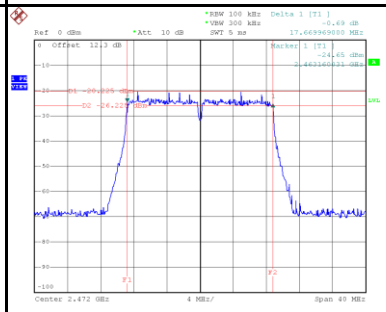
2462 MHz

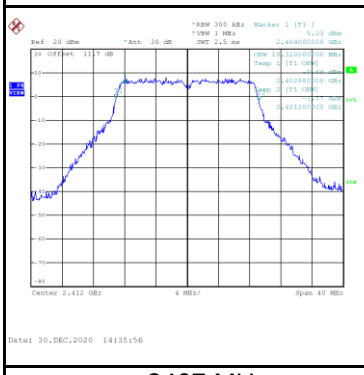
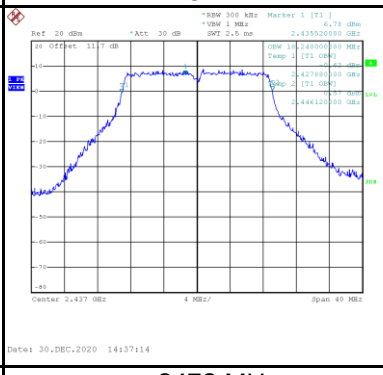
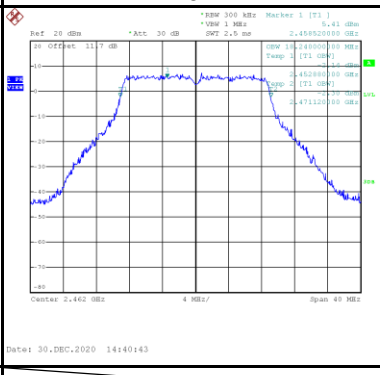
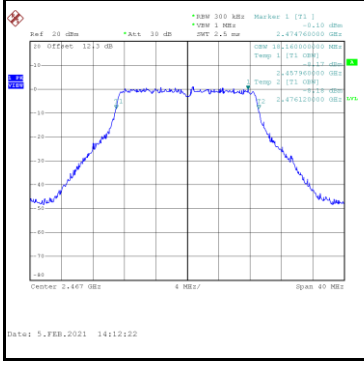
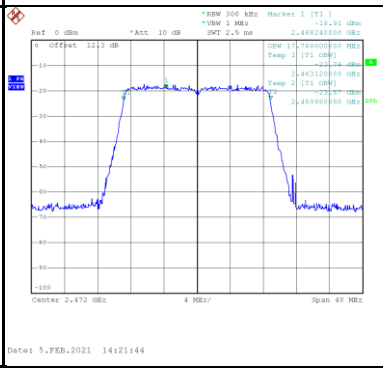


2467 MHz



2472 MHz



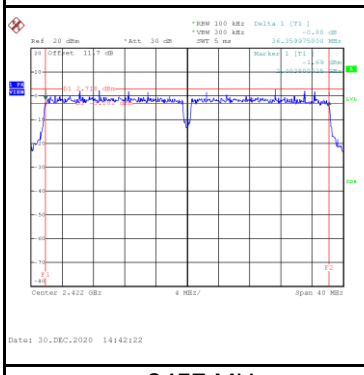
99% Occupied BW		
2412 MHz	2437 MHz	2462 MHz
		
2467 MHz	2472 MHz	
		

Test Mode	IEEE 802.11n (HT40)_Main Antenna

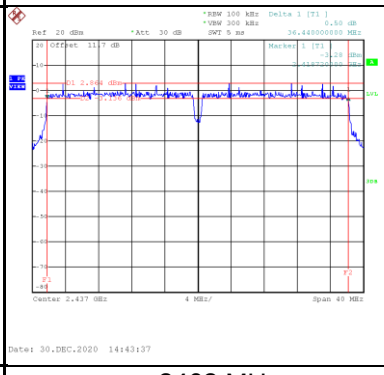
Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2422	36.36	36.80	≥ 500	Pass
2437	36.44	36.96	≥ 500	Pass
2452	36.49	36.64	≥ 500	Pass
2457	36.32	36.96	≥ 500	Pass
2462	36.49	36.48	≥ 500	Pass

6dB Bandwidth

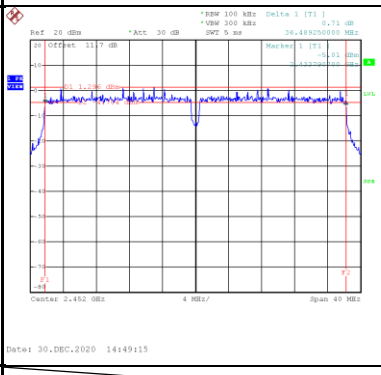
2422 MHz



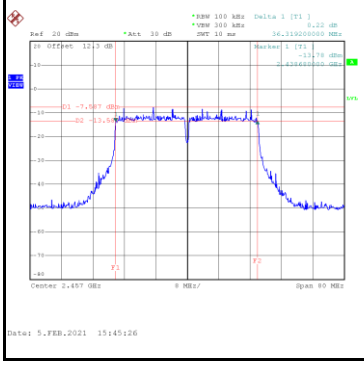
2437 MHz



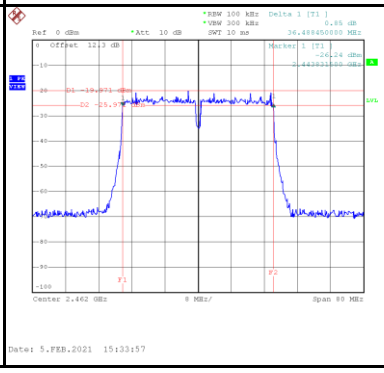
2452 MHz

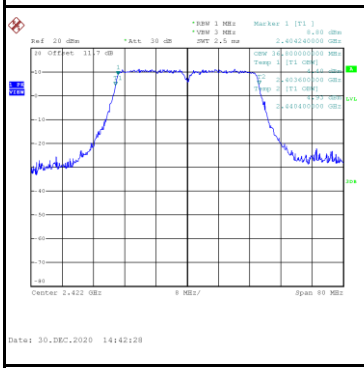
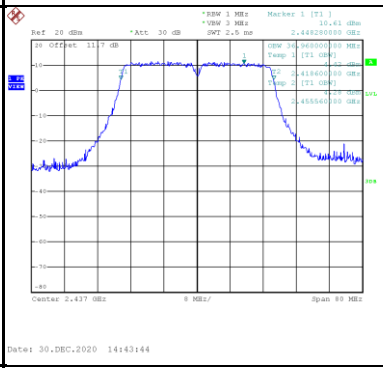
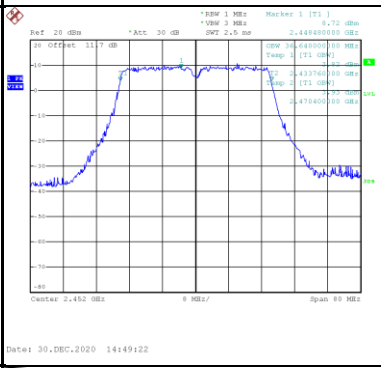
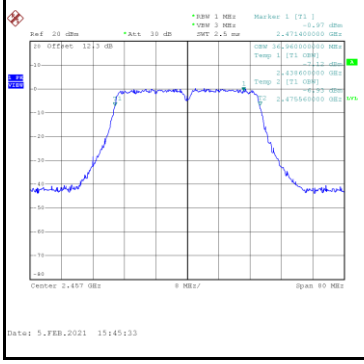
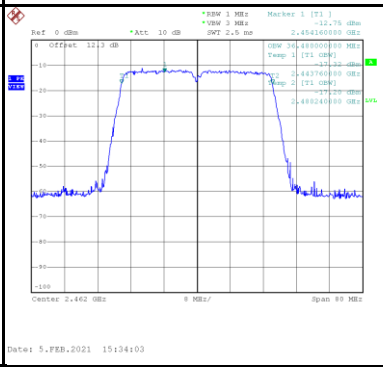


2457 MHz



2462 MHz



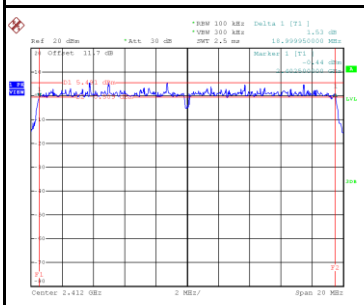
99% Occupied BW		
2422 MHz	2437 MHz	2452 MHz
		
2457 MHz	2462 MHz	
		

Test Mode	IEEE 802.11ax (HEW20)_Main Antenna

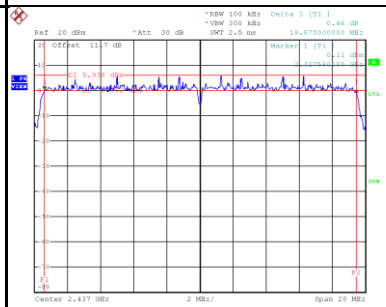
Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	19.00	19.28	≥ 500	Pass
2437	18.87	19.20	≥ 500	Pass
2462	19.02	19.12	≥ 500	Pass
2467	18.81	19.20	≥ 500	Pass
2472	18.31	18.80	≥ 500	Pass

6dB Bandwidth

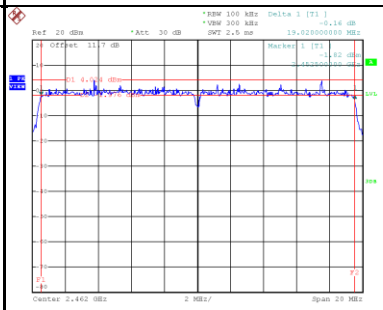
2412 MHz



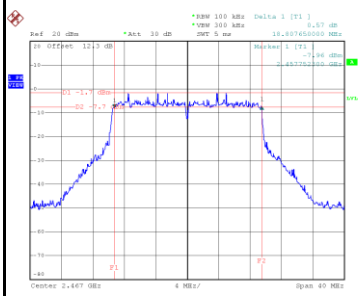
2437 MHz



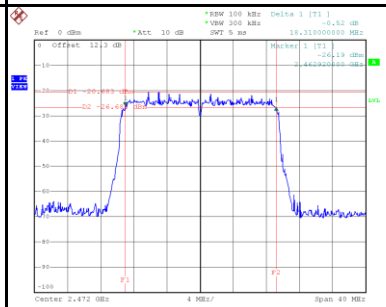
2462 MHz

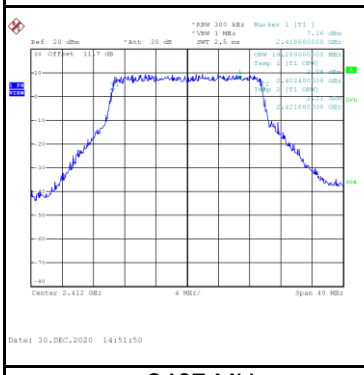
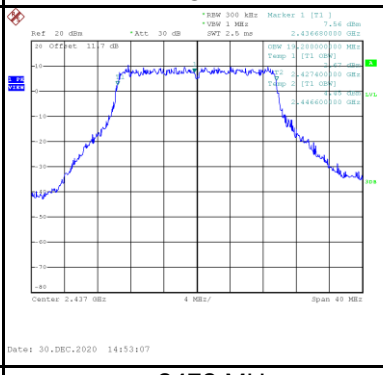
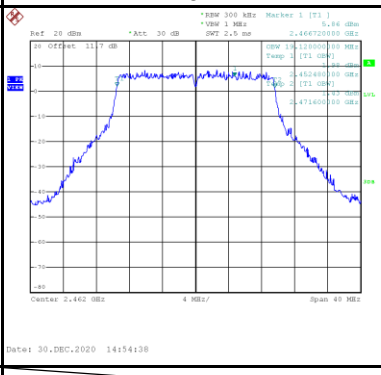
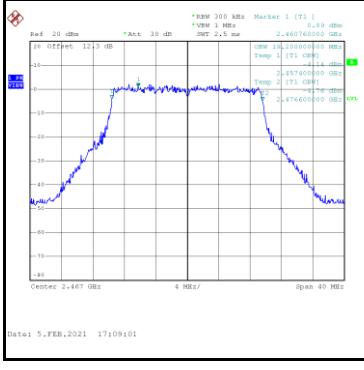
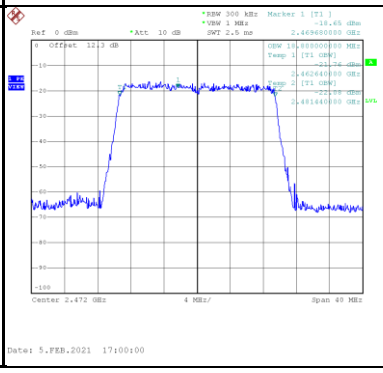


2467 MHz



2472 MHz



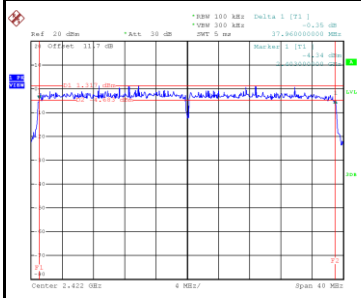
99% Occupied BW		
2412 MHz	2437 MHz	2462 MHz
		
2467 MHz	2472 MHz	
		

Test Mode	IEEE 802.11ax (HEW40)_Main Antenna

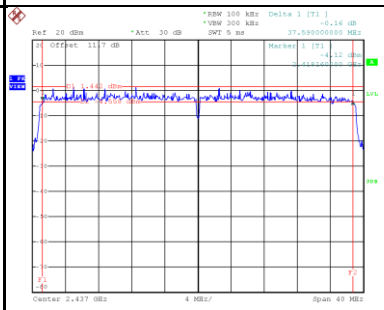
Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2422	37.96	38.40	≥ 500	Pass
2437	39.59	38.24	≥ 500	Pass
2452	37.80	38.24	≥ 500	Pass
2457	37.92	38.08	≥ 500	Pass
2462	37.93	37.76	≥ 500	Pass

6dB Bandwidth

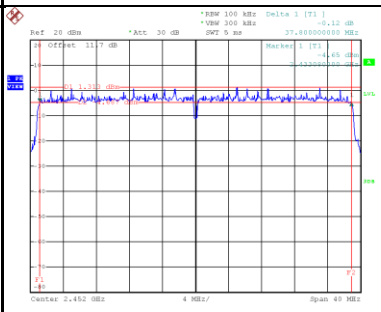
2422 MHz



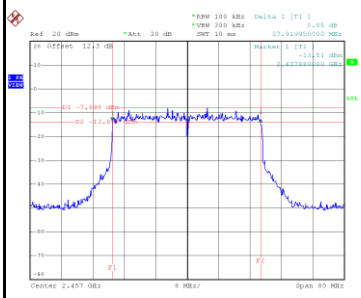
2437 MHz



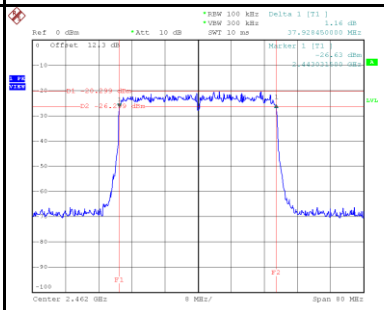
2452 MHz

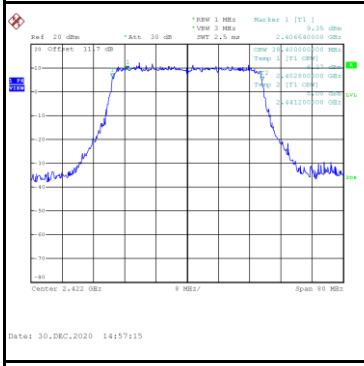
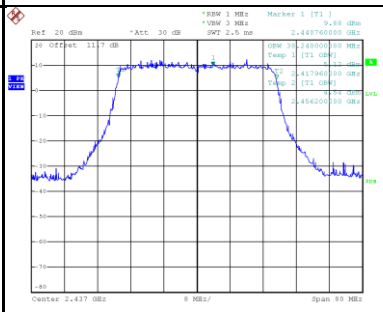
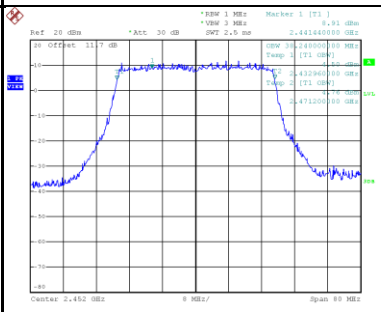
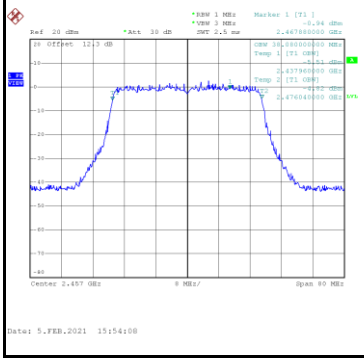
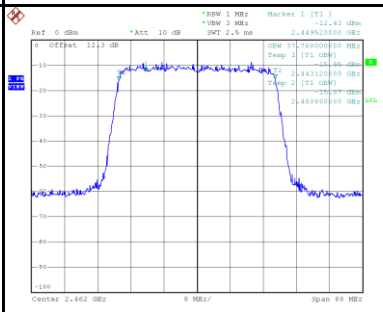


2457 MHz



2462 MHz



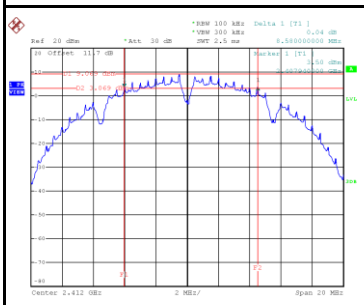
99% Occupied BW		
2422 MHz	2437 MHz	2452 MHz
		
2457 MHz	2462 MHz	
		

Test Mode	IEEE 802.11b_Aux Antenna

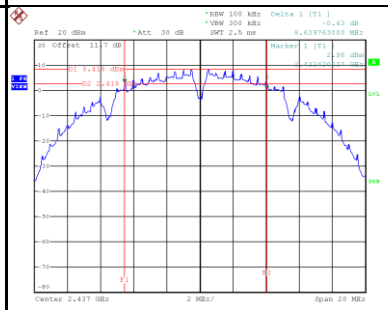
Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	8.58	13.52	≥ 500	Pass
2437	8.64	13.52	≥ 500	Pass
2462	9.06	13.36	≥ 500	Pass
2467	10.07	13.44	≥ 500	Pass
2472	10.12	13.52	≥ 500	Pass

6dB Bandwidth

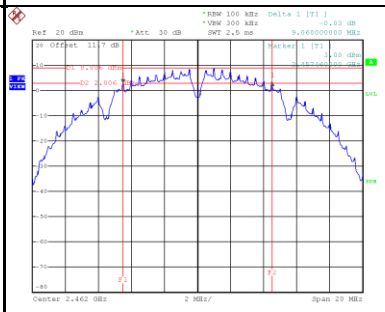
2412 MHz



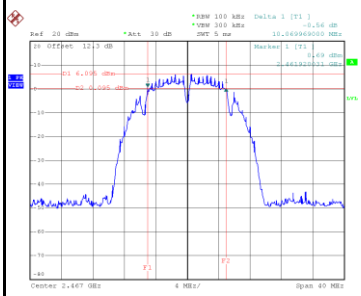
2437 MHz



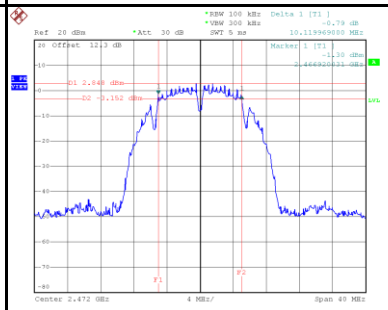
2462 MHz

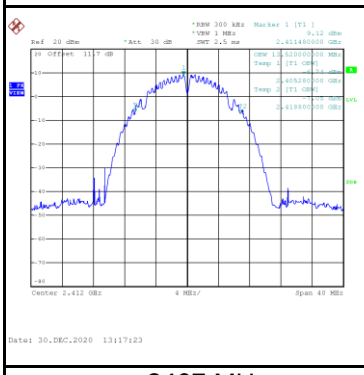
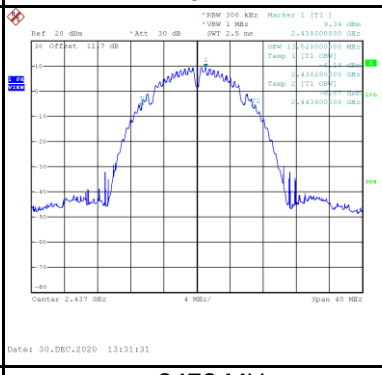
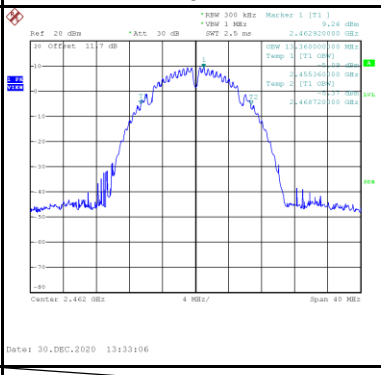
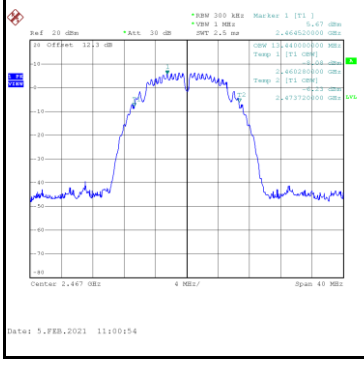
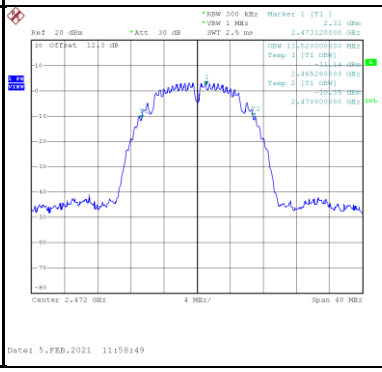


2467 MHz



2472 MHz



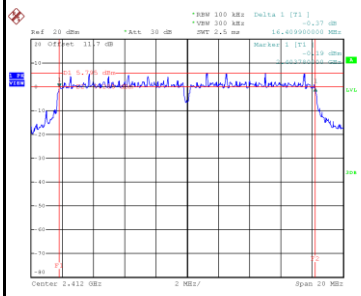
99% Occupied BW		
2412 MHz	2437 MHz	2462 MHz
		
2467 MHz	2472 MHz	
		

Test Mode	IEEE 802.11g_Aux Antenna

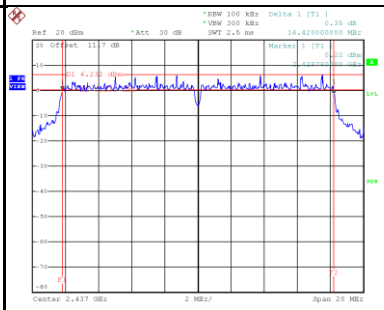
Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	16.41	17.20	≥ 500	Pass
2437	16.42	17.28	≥ 500	Pass
2462	16.44	17.12	≥ 500	Pass
2467	16.40	17.20	≥ 500	Pass
2472	16.48	16.56	≥ 500	Pass

6dB Bandwidth

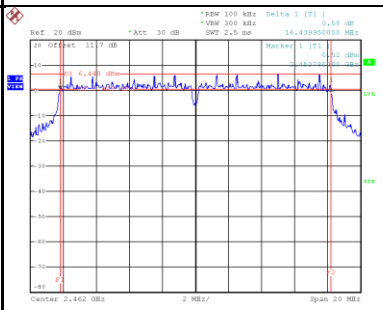
2412 MHz



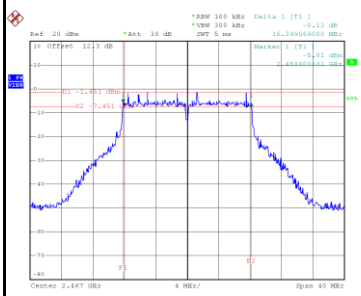
2437 MHz



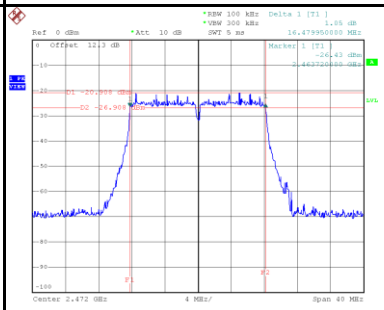
2462 MHz

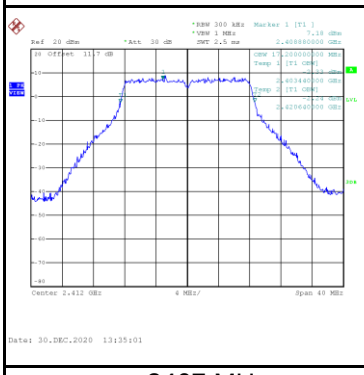
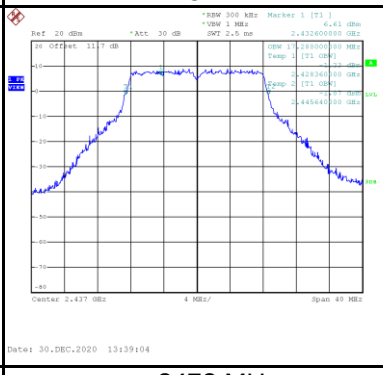
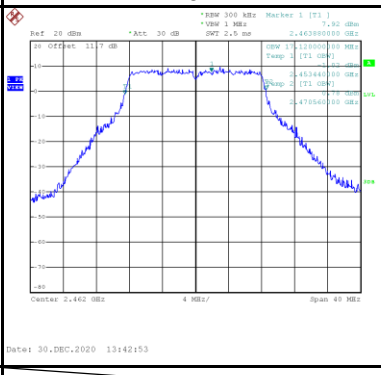
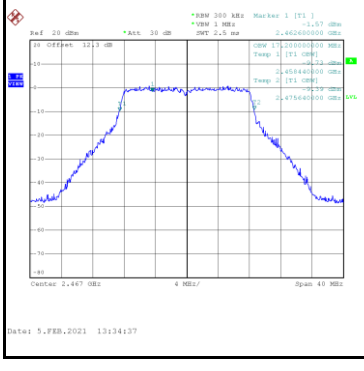
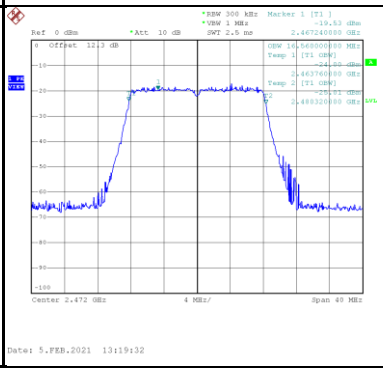


2467 MHz



2472 MHz



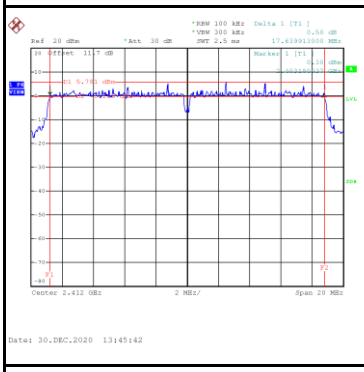
99% Occupied BW		
2412 MHz	2437 MHz	2462 MHz
		
2467 MHz	2472 MHz	
		

Test Mode	IEEE 802.11n (HT20)_Aux Antenna

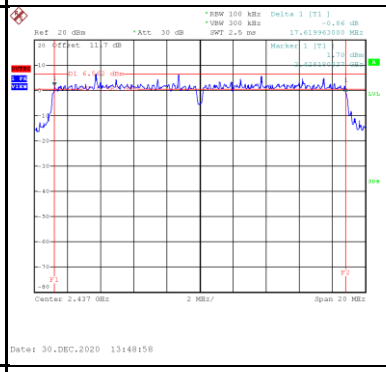
Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	17.64	18.32	≥ 500	Pass
2437	17.62	18.16	≥ 500	Pass
2462	17.62	18.16	≥ 500	Pass
2467	17.64	18.24	≥ 500	Pass
2472	17.72	17.68	≥ 500	Pass

6dB Bandwidth

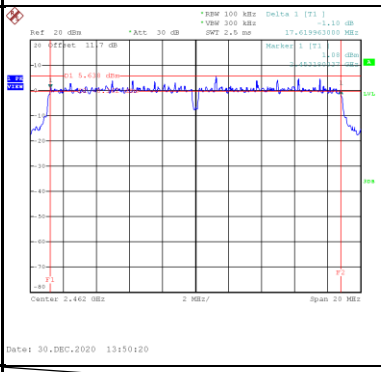
2412 MHz



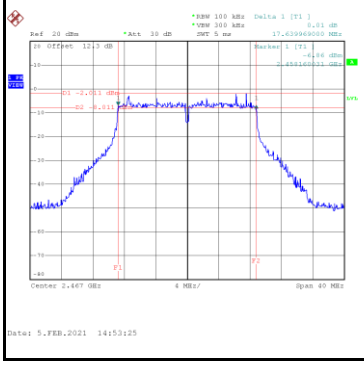
2437 MHz



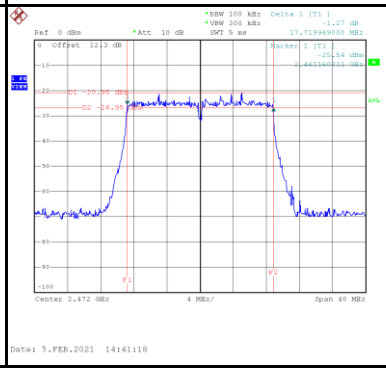
2462 MHz

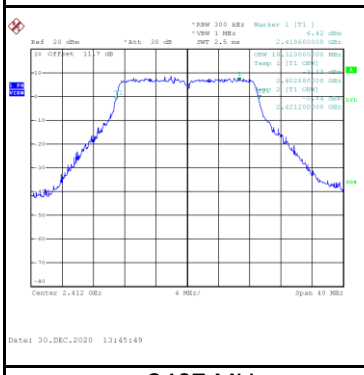
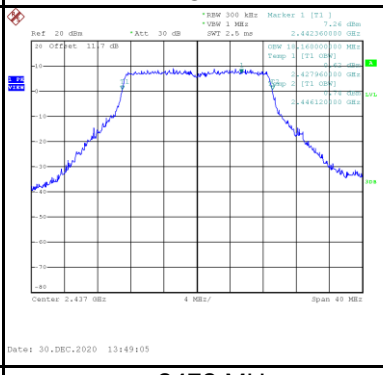
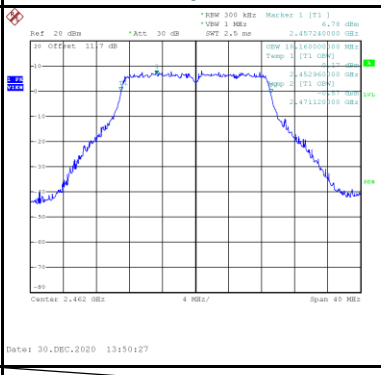
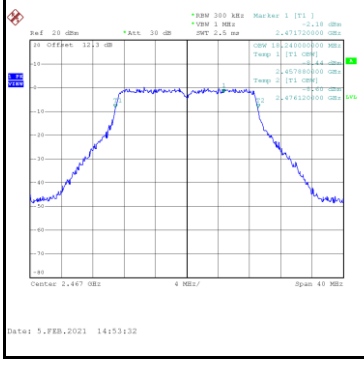
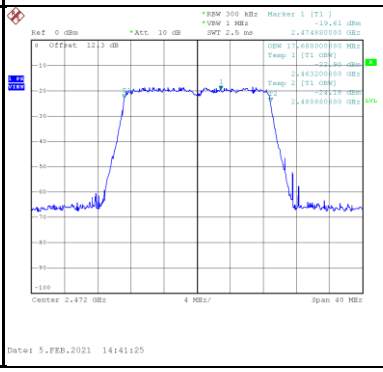


2467 MHz



2472 MHz



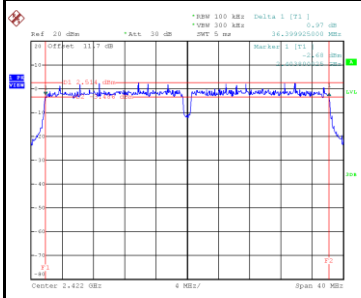
99% Occupied BW		
2412 MHz	2437 MHz	2462 MHz
		
2467 MHz	2472 MHz	
		

Test Mode	IEEE 802.11n (HT40)_Aux Antenna

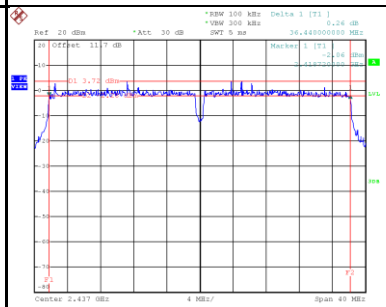
Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2422	36.40	36.96	≥ 500	Pass
2437	36.44	37.12	≥ 500	Pass
2452	36.52	36.80	≥ 500	Pass
2457	36.64	36.96	≥ 500	Pass
2462	36.64	36.48	≥ 500	Pass

6dB Bandwidth

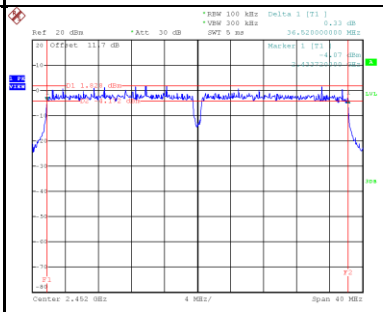
2422 MHz



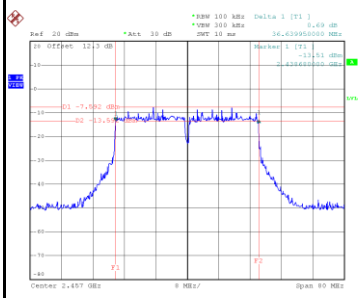
2437 MHz



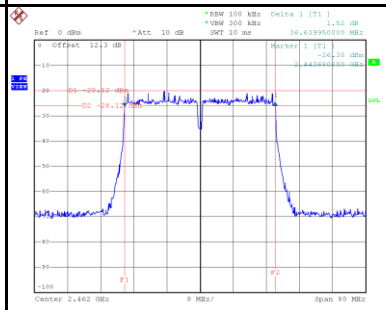
2452 MHz

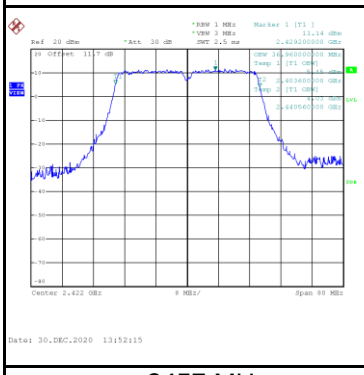
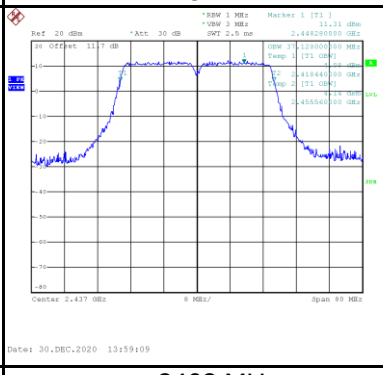
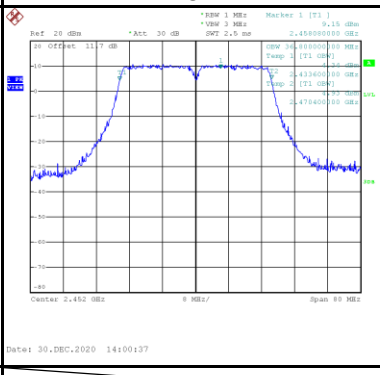
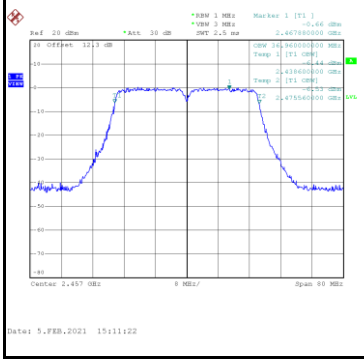
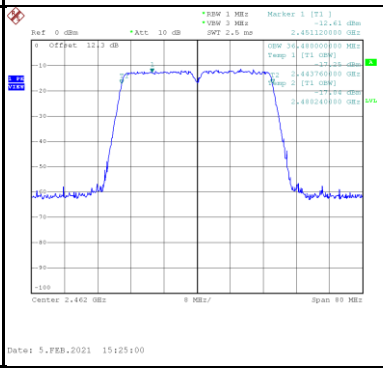


2457 MHz



2462 MHz



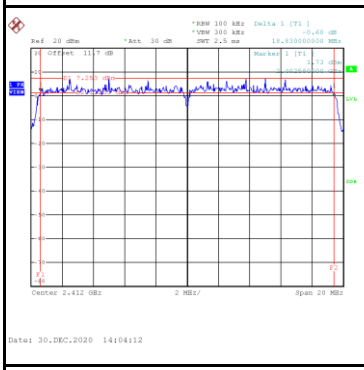
99% Occupied BW		
2422 MHz	2437 MHz	2452 MHz
		
2457 MHz	2462 MHz	
		

Test Mode	IEEE 802.11ax (HEW20)_Aux Antenna

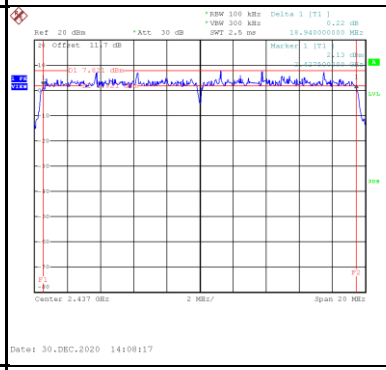
Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	18.83	19.20	≥ 500	Pass
2437	18.94	19.20	≥ 500	Pass
2462	18.98	19.20	≥ 500	Pass
2467	18.92	19.12	≥ 500	Pass
2472	18.44	18.80	≥ 500	Pass

6dB Bandwidth

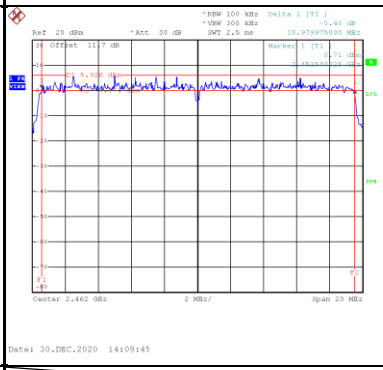
2412 MHz



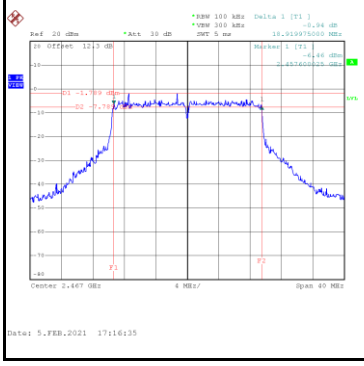
2437 MHz



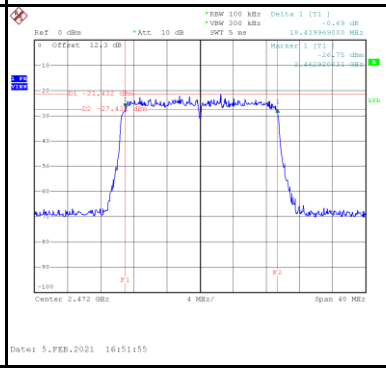
2462 MHz

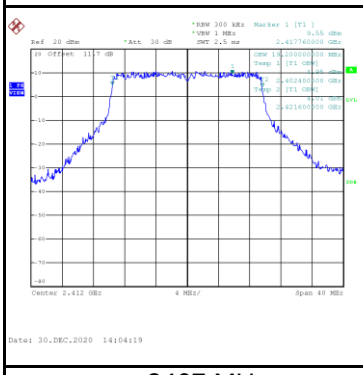
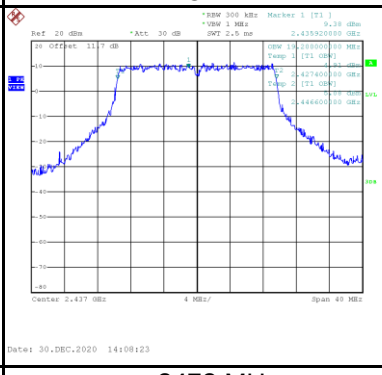
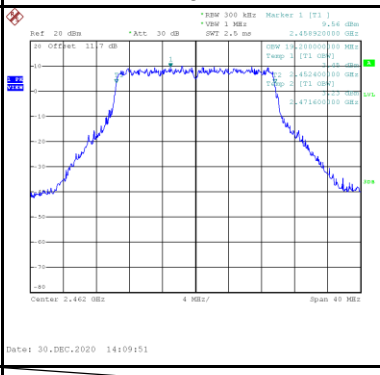
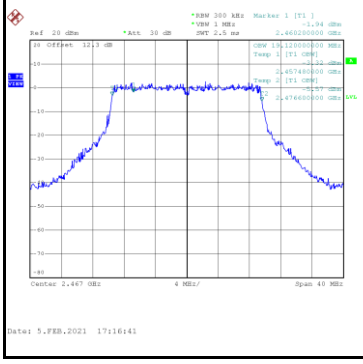
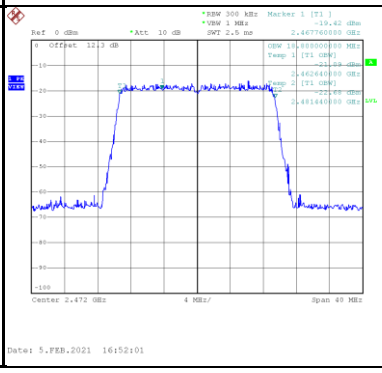


2467 MHz



2472 MHz



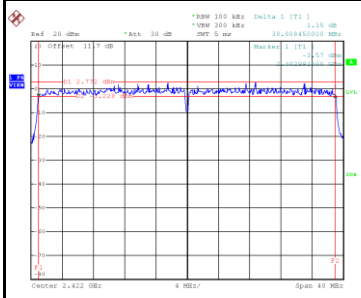
99% Occupied BW		
2412 MHz	2437 MHz	2462 MHz
		
2467 MHz	2472 MHz	
		

Test Mode	IEEE 802.11ax (HEW40)_Aux Antenna

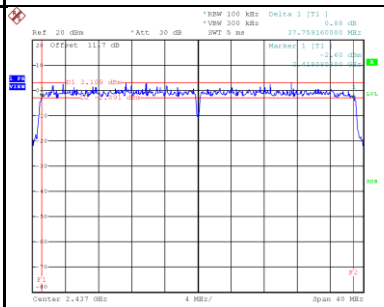
Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2422	38.01	38.24	≥ 500	Pass
2437	37.76	38.24	≥ 500	Pass
2452	37.92	38.24	≥ 500	Pass
2457	37.68	38.40	≥ 500	Pass
2462	37.52	37.76	≥ 500	Pass

6dB Bandwidth

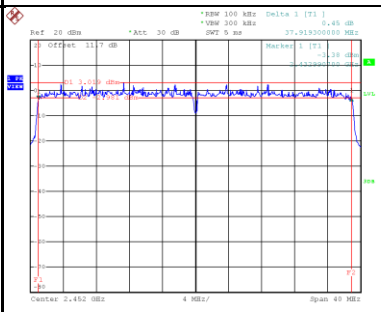
2422 MHz



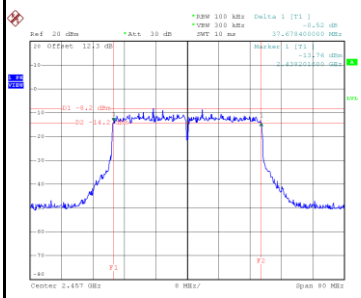
2437 MHz



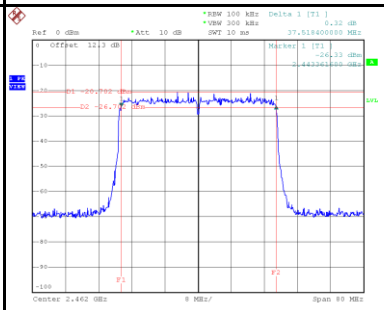
2452 MHz

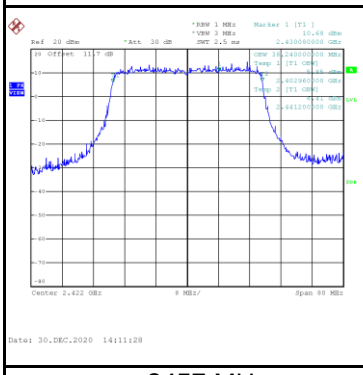
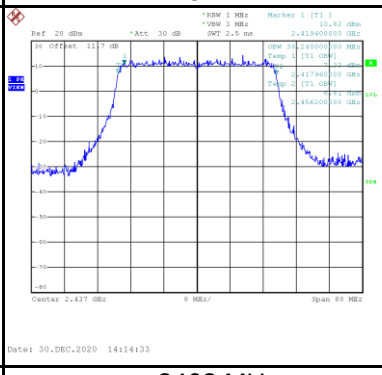
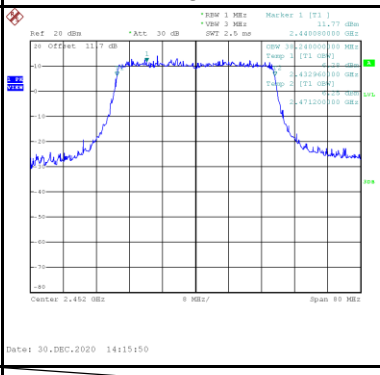
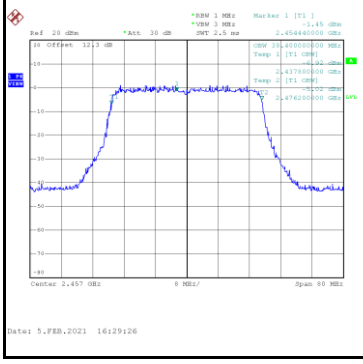
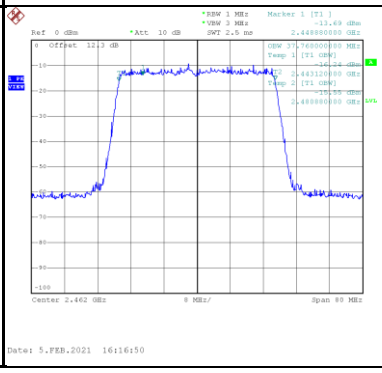


2457 MHz



2462 MHz



99% Occupied BW		
2422 MHz	2437 MHz	2452 MHz
		
2457 MHz	2462 MHz	
		

APPENDIX E OUTPUT POWER

Test Mode	IEEE 802.11b_Main Antenna	Tested Date	2021/1/5

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2412	18.75	0.0750	30.00	1.0000	Complies
2437	18.68	0.0738	30.00	1.0000	Complies
2462	18.68	0.0738	30.00	1.0000	Complies
2467	18.91	0.0778	30.00	1.0000	Complies
2472	15.45	0.0351	30.00	1.0000	Complies

Test Mode	IEEE 802.11g_Main Antenna	Tested Date	2021/1/5

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2412	21.29	0.1346	30.00	1.0000	Complies
2437	21.24	0.1330	30.00	1.0000	Complies
2462	21.06	0.1276	30.00	1.0000	Complies
2467	15.41	0.0348	30.00	1.0000	Complies
2472	1.89	0.0015	30.00	1.0000	Complies

Test Mode	IEEE 802.11n (HT20)_Main Antenna	Tested Date	2021/1/5

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2412	21.10	0.1288	30.00	1.0000	Complies
2437	21.15	0.1303	30.00	1.0000	Complies
2462	21.27	0.1340	30.00	1.0000	Complies
2467	15.38	0.0345	30.00	1.0000	Complies
2472	1.97	0.0016	30.00	1.0000	Complies

Test Mode	IEEE 802.11n (HT40)_Main Antenna	Tested Date	2021/1/5

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2422	21.97	0.1574	30.00	1.0000	Complies
2437	21.81	0.1517	30.00	1.0000	Complies
2452	21.94	0.1563	30.00	1.0000	Complies
2457	12.48	0.0177	30.00	1.0000	Complies
2462	4.88	0.0031	30.00	1.0000	Complies

Test Mode	IEEE 802.11ax (HEW20)_Main Antenna	Tested Date	2021/1/5 2021/2/5

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2412	21.29	0.1346	30.00	1.0000	Complies
2412_26 Tone	20.87	0.1222	30.00	1.0000	Complies
2412_52 Tone	20.57	0.1140	30.00	1.0000	Complies
2412_106 Tone	20.87	0.1222	30.00	1.0000	Complies
2437	21.18	0.1312	30.00	1.0000	Complies
2462	21.22	0.1324	30.00	1.0000	Complies
2467	15.46	0.0352	30.00	1.0000	Complies
2472	1.85	0.0015	30.00	1.0000	Complies

Test Mode	IEEE 802.11ax (HEW40)_Main Antenna	Tested Date	2021/1/5 2021/2/5

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2422	22.11	0.1626	30.00	1.0000	Complies
2422_242 Tone	21.26	0.1337	30.00	1.0000	Complies
2437	22.12	0.1629	30.00	1.0000	Complies
2452	21.91	0.1552	30.00	1.0000	Complies
2457	12.42	0.0175	30.00	1.0000	Complies
2462	5.46	0.0035	30.00	1.0000	Complies

Test Mode	IEEE 802.11b_Aux Antenna	Tested Date	2021/1/5

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2412	18.65	0.0733	30.00	1.0000	Complies
2437	18.63	0.0729	30.00	1.0000	Complies
2462	18.59	0.0723	30.00	1.0000	Complies
2467	18.47	0.0703	30.00	1.0000	Complies
2472	15.39	0.0346	30.00	1.0000	Complies

Test Mode	IEEE 802.11g_Aux Antenna	Tested Date	2021/1/5

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2412	21.04	0.1271	30.00	1.0000	Complies
2437	21.22	0.1324	30.00	1.0000	Complies
2462	20.96	0.1247	30.00	1.0000	Complies
2467	14.96	0.0313	30.00	1.0000	Complies
2472	1.48	0.0014	30.00	1.0000	Complies

Test Mode	IEEE 802.11n (HT20)_Aux Antenna	Tested Date	2021/1/5

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2412	21.09	0.1285	30.00	1.0000	Complies
2437	21.14	0.1300	30.00	1.0000	Complies
2462	21.07	0.1279	30.00	1.0000	Complies
2467	14.97	0.0314	30.00	1.0000	Complies
2472	1.35	0.0014	30.00	1.0000	Complies

Test Mode	IEEE 802.11n (HT40)_Aux Antenna	Tested Date	2021/1/5

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2422	21.85	0.1531	30.00	1.0000	Complies
2437	21.77	0.1503	30.00	1.0000	Complies
2452	21.81	0.1517	30.00	1.0000	Complies
2457	12.41	0.0174	30.00	1.0000	Complies
2462	4.86	0.0031	30.00	1.0000	Complies

Test Mode	IEEE 802.11ax (HEW20)_Aux Antenna	Tested Date	2021/1/5 2021/2/5

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2412	21.05	0.1274	30.00	1.0000	Complies
2412_26 Tone	20.88	0.1225	30.00	1.0000	Complies
2412_52 Tone	20.28	0.1067	30.00	1.0000	Complies
2412_106 Tone	20.91	0.1233	30.00	1.0000	Complies
2437	21.19	0.1315	30.00	1.0000	Complies
2462	21.40	0.1380	30.00	1.0000	Complies
2467	15.45	0.0351	30.00	1.0000	Complies
2472	1.41	0.0014	30.00	1.0000	Complies

Test Mode	IEEE 802.11ax (HEW40)_Aux Antenna	Tested Date	2021/1/5 2021/2/5

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2422	21.94	0.1563	30.00	1.0000	Complies
2422_242 Tone	21.37	0.1371	30.00	1.0000	Complies
2437	21.94	0.1563	30.00	1.0000	Complies
2452	21.87	0.1538	30.00	1.0000	Complies
2457	11.95	0.0157	30.00	1.0000	Complies
2462	4.48	0.0028	30.00	1.0000	Complies

MIMO Mode:

Test Mode	IEEE 802.11n (HT20)_Main Antenna	Tested Date	2021/1/5

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2412	18.58	0.0721	30.00	1.0000	Complies
2437	18.16	0.0655	30.00	1.0000	Complies
2462	18.34	0.0682	30.00	1.0000	Complies
2467	12.88	0.0194	30.00	1.0000	Complies
2472	1.87	0.0015	30.00	1.0000	Complies

Test Mode	IEEE 802.11n (HT20)_Aux Antenna	Tested Date	2021/1/5

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2412	18.13	0.0650	30.00	1.0000	Complies
2437	18.11	0.0647	30.00	1.0000	Complies
2462	18.02	0.0634	30.00	1.0000	Complies
2467	12.87	0.0194	30.00	1.0000	Complies
2472	1.35	0.0014	30.00	1.0000	Complies

Test Mode	IEEE 802.11n (HT20)_Total	Tested Date	2021/1/5

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2412	21.37	0.1371	30.00	1.0000	Complies
2437	21.15	0.1302	30.00	1.0000	Complies
2462	21.19	0.1316	30.00	1.0000	Complies
2467	15.89	0.0388	30.00	1.0000	Complies
2472	4.63	0.0029	30.00	1.0000	Complies

Test Mode	IEEE 802.11n (HT40)_Main Antenna	Tested Date	2021/1/5

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2422	18.64	0.0731	30.00	1.0000	Complies
2437	18.57	0.0719	30.00	1.0000	Complies
2452	18.72	0.0745	30.00	1.0000	Complies
2457	10.01	0.0100	30.00	1.0000	Complies
2462	2.86	0.0019	30.00	1.0000	Complies

Test Mode	IEEE 802.11n (HT40)_Aux Antenna	Tested Date	2021/1/5

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2422	18.46	0.0701	30.00	1.0000	Complies
2437	18.24	0.0667	30.00	1.0000	Complies
2452	18.52	0.0711	30.00	1.0000	Complies
2457	9.89	0.0097	30.00	1.0000	Complies
2462	2.81	0.0019	30.00	1.0000	Complies

Test Mode	IEEE 802.11n (HT40)_Total	Tested Date	2021/1/5

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2422	21.56	0.1433	30.00	1.0000	Complies
2437	21.42	0.1386	30.00	1.0000	Complies
2452	21.63	0.1456	30.00	1.0000	Complies
2457	12.96	0.0198	30.00	1.0000	Complies
2462	5.85	0.0038	30.00	1.0000	Complies

Test Mode	IEEE 802.11ax (HEW20)_Main Antenna	Tested Date	2021/1/5 2021/2/5

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2412	18.79	0.0757	30.00	1.0000	Complies
2412_26 Tone	21.45	0.1396	30.00	1.0000	Complies
2412_52 Tone	21.53	0.1422	30.00	1.0000	Complies
2412_106 Tone	21.48	0.1406	30.00	1.0000	Complies
2437	18.69	0.0740	30.00	1.0000	Complies
2462	18.59	0.0723	30.00	1.0000	Complies
2467	12.53	0.0179	30.00	1.0000	Complies
2472	1.81	0.0015	30.00	1.0000	Complies

Test Mode	IEEE 802.11ax (HEW20)_Aux Antenna	Tested Date	2021/1/5 2021/2/5

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2412	18.31	0.0678	30.00	1.0000	Complies
2412_26 Tone	23.96	0.2489	30.00	1.0000	Complies
2412_52 Tone	24.02	0.2523	30.00	1.0000	Complies
2412_106 Tone	23.87	0.2438	30.00	1.0000	Complies
2437	18.51	0.0710	30.00	1.0000	Complies
2462	18.49	0.0706	30.00	1.0000	Complies
2467	12.41	0.0174	30.00	1.0000	Complies
2472	1.31	0.0014	30.00	1.0000	Complies

Test Mode	IEEE 802.11ax (HEW20)_Total	Tested Date	2021/1/5 2021/2/5

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2412	21.57	0.1434	30.00	1.0000	Complies
2412_26 Tone	25.89	0.3885	30.00	1.0000	Complies
2412_52 Tone	25.96	0.3946	30.00	1.0000	Complies
2412_106 Tone	25.85	0.3844	30.00	1.0000	Complies
2437	21.61	0.1449	30.00	1.0000	Complies
2462	21.55	0.1429	30.00	1.0000	Complies
2467	15.48	0.0353	30.00	1.0000	Complies
2472	4.58	0.0029	30.00	1.0000	Complies

Test Mode	IEEE 802.11ax (HEW40)_Main Antenna	Tested Date	2021/1/5 2021/2/5

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2422	19.11	0.0815	30.00	1.0000	Complies
2412_242 Tone	18.93	0.0782	30.00	1.0000	Complies
2437	19.13	0.0818	30.00	1.0000	Complies
2452	19.48	0.0887	30.00	1.0000	Complies
2457	10.59	0.0115	30.00	1.0000	Complies
2462	2.87	0.0019	30.00	1.0000	Complies

Test Mode	IEEE 802.11ax (HEW40)_Aux Antenna	Tested Date	2021/1/5 2021/2/5

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2422	18.55	0.0716	30.00	1.0000	Complies
2412_242 Tone	18.57	0.0719	30.00	1.0000	Complies
2437	18.88	0.0773	30.00	1.0000	Complies
2452	19.41	0.0873	30.00	1.0000	Complies
2457	10.29	0.0107	30.00	1.0000	Complies
2462	2.80	0.0019	30.00	1.0000	Complies

Test Mode	IEEE 802.11ax (HEW40)_Total	Tested Date	2021/1/5 2021/2/5

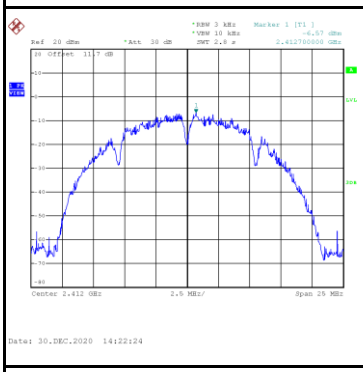
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Limit (dBm)	Limit (W)	Result
2422	21.85	0.1531	30.00	1.0000	Complies
2412_242 Tone	21.76	0.1501	30.00	1.0000	Complies
2437	22.02	0.1591	30.00	1.0000	Complies
2452	22.46	0.1760	30.00	1.0000	Complies
2457	13.45	0.0221	30.00	1.0000	Complies
2462	5.85	0.0038	30.00	1.0000	Complies

APPENDIX F POWER SPECTRAL DENSITY

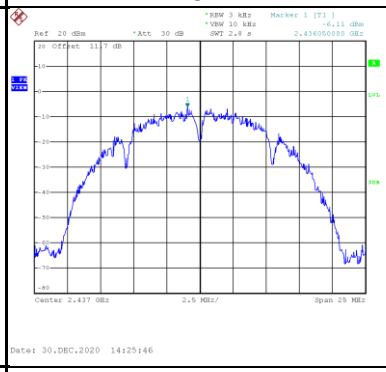
Test Mode	IEEE 802.11b_Main Antenna

Test Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2412	-6.57	8.00	Pass
2437	-6.11	8.00	Pass
2462	-5.65	8.00	Pass
2467	-8.65	8.00	Pass
2472	-12.10	8.00	Pass

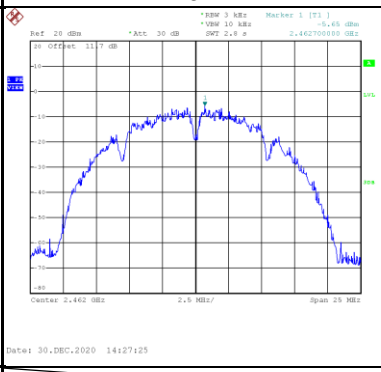
2412 MHz



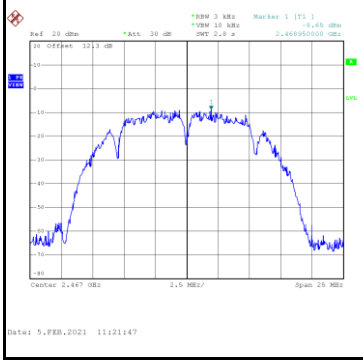
2437 MHz



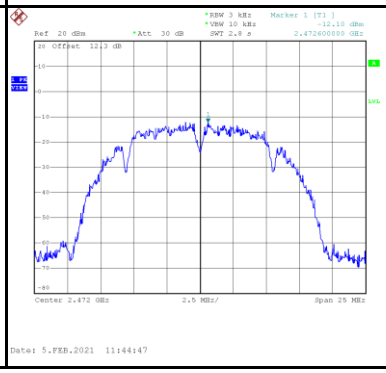
2462 MHz



2467 MHz



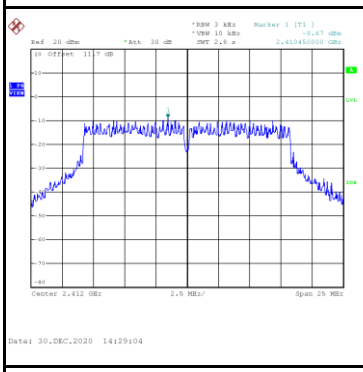
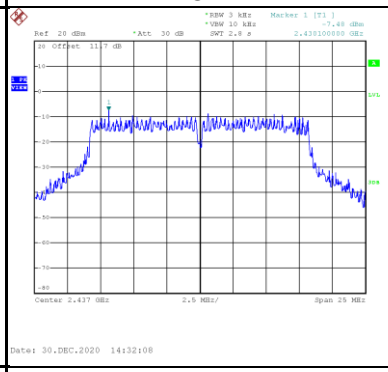
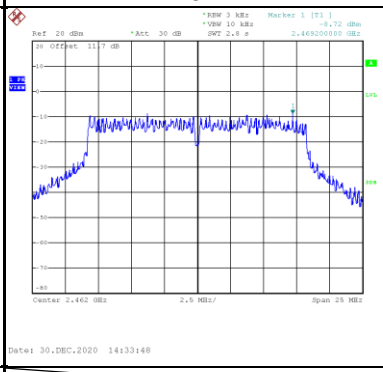
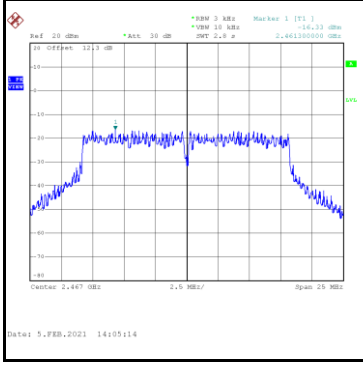
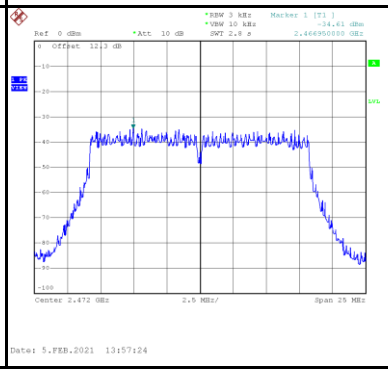
2472 MHz



Test Mode	IEEE 802.11g_Main Antenna

Test Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2412	-8.67	8.00	Pass
2437	-7.48	8.00	Pass
2462	-8.72	8.00	Pass
2467	-16.33	8.00	Pass
2472	-34.61	8.00	Pass

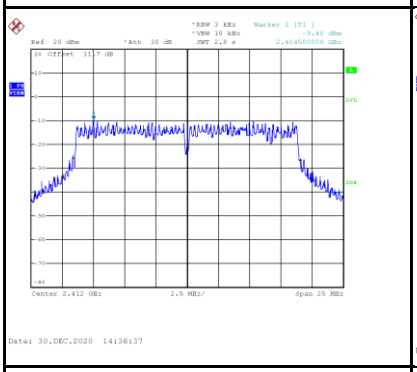
.

2412 MHz	2437 MHz	2462 MHz
		
2467 MHz	**2472 MHz**	
		

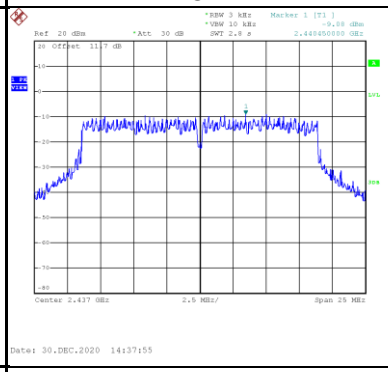
Test Mode	IEEE 802.11n (HT20)_Main Antenna

Test Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2412	-9.40	8.00	Pass
2437	-9.08	8.00	Pass
2462	-10.58	8.00	Pass
2467	-16.34	8.00	Pass
2472	-34.23	8.00	Pass

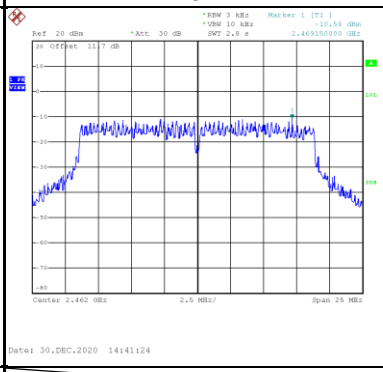
2412 MHz



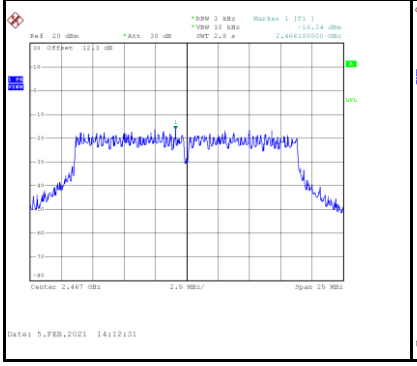
2437 MHz



2462 MHz



2467 MHz



2472 MHz