FCC Radio Test Report

FCC ID: 2AF5PMGMT87

Report No.	:	BTL-FCCP-4-2006T060
Equipment	:	D3.1 Cable Modem plus AX6000 Router with Voice
Model Name	:	MT8733, MG8725
Brand Name	:	MOTOROLA
Applicant	:	MTRLC LLC
Address	:	225 Franklin Street, 26th Floor, Boston, MA 02110 USA
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	:	2020/6/12
Date of Test	:	2020/6/12 ~ 2020/8/11
Issued Date	:	2020/8/26

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

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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.

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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

Report Version	Description	Issued Date
R00	Original Issue.	2020/8/26

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
☒ SR06

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	24 °C, 57 %	AC 120V	William Wei
Radiated emissions below 1 GHz	Refer to data	AC 120V	Aven Ho
Radiated emissions above 1 GHz	Refer to data	AC 120V	Aven Ho
Bandwidth	24.7 °C, 54 %	AC 120V	Tim Lee
Output Power	24.7 °C, 54 %	AC 120V	Tim Lee
Power Spectral Density	24.7 °C, 54 %	AC 120V	Tim Lee
Antenna conducted Spurious Emission	24.7 °C, 54 %	AC 120V	Tim Lee

1.4 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING

Non-Beamforming mode				
Test Software	Access Manual Tool V3.2.0.1			
Mode	2412 MHz	2437 MHz	2462 MHz	Data Rate
IEEE 802.11b	108	108	108	1 Mbps
IEEE 802.11g	60	61	61	6 Mbps
IEEE 802.11n (HT20)	55	55	57	MCS 0
IEEE 802.11ac (VHT20)	55	55	57	MCS 0
IEEE 802.11ax (HEW20)	54	55	56	MCS 0
Mode	2422 MHz	2437 MHz	2452 MHz	Data Rate
IEEE 802.11n (HT40)	57	57	57	MCS 0
IEEE 802.11ac (VHT40)	57	57	57	MCS 0
IEEE 802.11ax (HEW40)	55	56	56	MCS 0

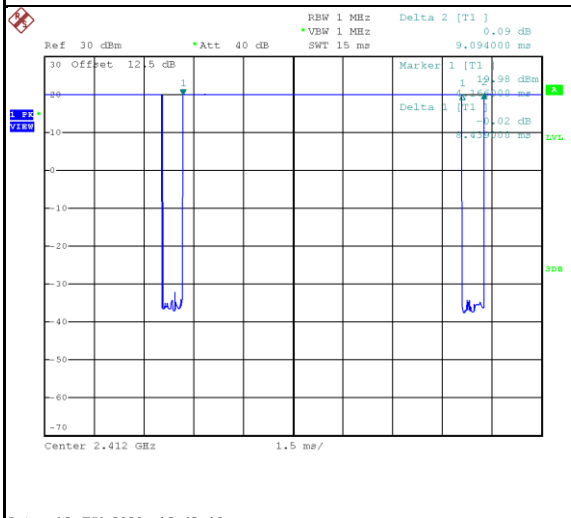
Beamforming mode				
Test Software	QRCT V4.0.00108			
Mode	2412 MHz	2437 MHz	2462 MHz	Data Rate
IEEE 802.11ac (VHT20)	49	49	51	MCS 0
IEEE 802.11ax (HEW20)	46	46	46	MCS 0
Mode	2422 MHz	2437 MHz	2452 MHz	Data Rate
IEEE 802.11ac (VHT40)	51	50	50	MCS 0
IEEE 802.11ax (HEW40)	49	48	48	MCS 0

1.5 DUTY CYCLE

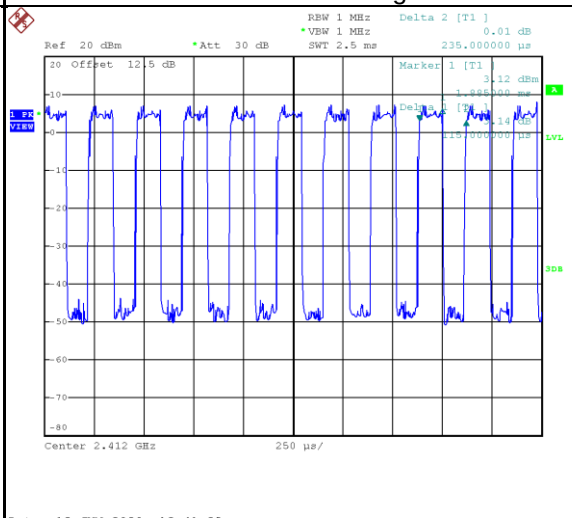
If duty cycle is ≥ 98 %, duty factor is not required.
If duty cycle is < 98 %, duty factor shall be considered.

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	8.439	1	8.439	9.094	92.80%	0.32
IEEE 802.11g	0.115	1	0.115	0.235	48.94%	3.10
IEEE 802.11n (HT20)	0.135	1	0.135	0.245	55.10%	2.59
IEEE 802.11n (HT40)	0.085	1	0.085	0.225	37.78%	4.23
IEEE 802.11ac (VHT20)	0.135	1	0.135	0.245	55.10%	2.59
IEEE 802.11ac (VHT40)	0.085	1	0.085	0.225	37.78%	4.23
IEEE 802.11ax (HEW20)	0.310	1	0.310	0.350	88.57%	0.53
IEEE 802.11ax (HEW40)	0.265	1	0.265	0.340	77.94%	1.08

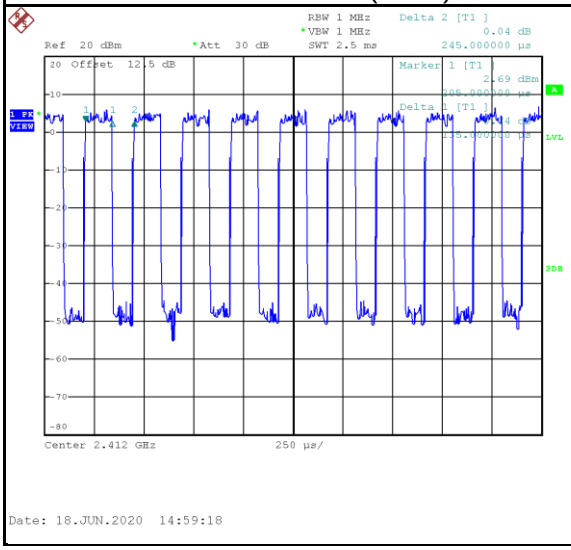
IEEE 802.11b



IEEE 802.11g



IEEE 802.11n (HT20)



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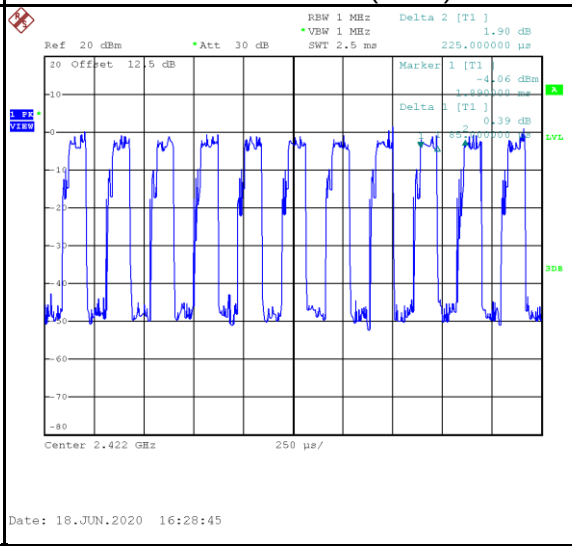
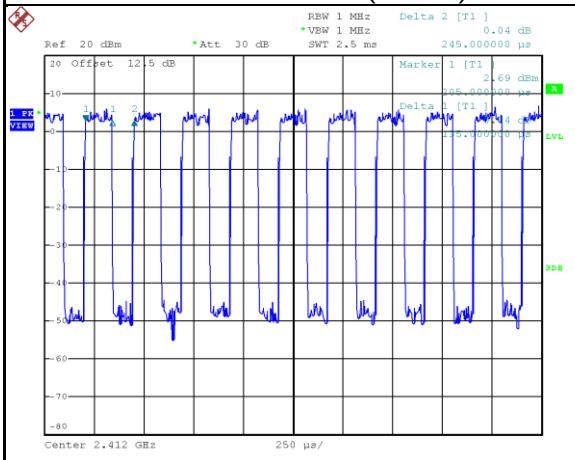
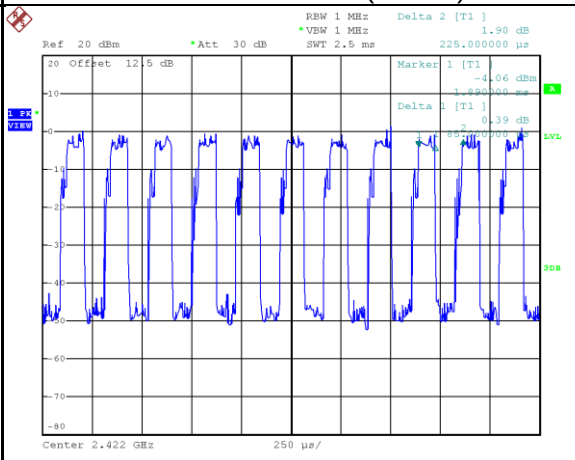


IEEE 802.11ac (VHT20)	IEEE 802.11ac (VHT40)
	
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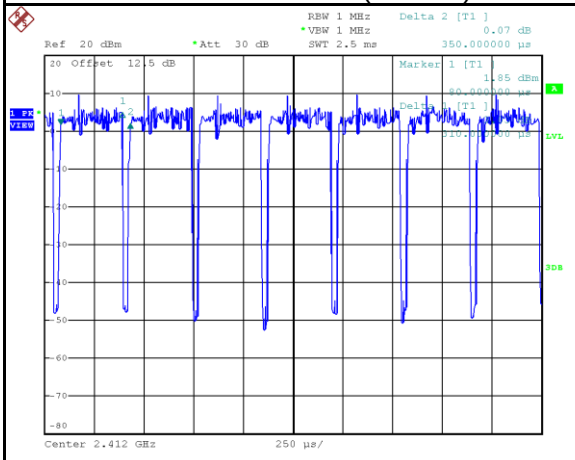
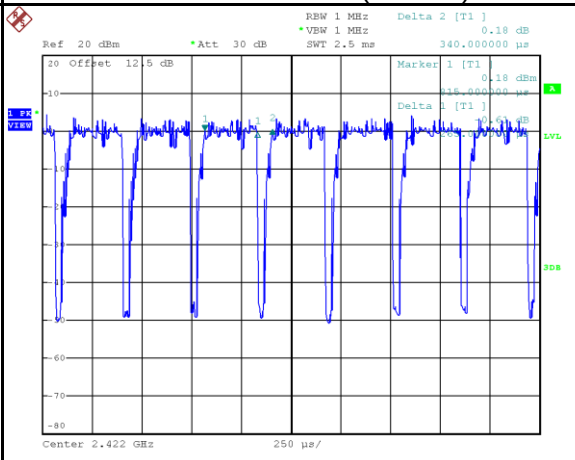
IEEE 802.11ax (HEW20)	**IEEE 802.11ax (HEW40)**
	
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2 GENERAL INFORMATION

2.1 DESCRIPTION OF EUT

Equipment	D3.1 Cable Modem plus AX6000 Router with Voice
Model Name	MT8733, MG8725
Brand Name	MOTOROLA
Model Difference	Model Name: MT8733 — VoIP port: YES Model Name: MG8725 — VoIP port: NO
Power Source	DC Voltage supplied from AC/DC adapter. #1 Ktec / KSA-36W-120300HU #2 HONOR / ADS-40FSI-12 12036EPCU
Power Rating	#1 Input: 100-240V~ 50/60Hz 1.0A Output: 12Vdc 3.0A #2 Input: 100-240V~ 50/60Hz Max. 1.0A Output: 12Vdc 3.0A
Products Covered	2 * Adapter: (1) Ktec / KSA-36W-120300HU (2) HONOR / ADS-40FSI-12 12036EPCU
Frequency Range	2400 MHz ~ 2483.5 MHz
Operation Frequency	2412 MHz ~ 2462 MHz
Modulation Technology	IEEE 802.11b: DSSS IEEE 802.11g: OFDM IEEE 802.11n: OFDM
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 600 Mbps IEEE 802.11ac: up to 800 Mbps IEEE 802.11ax: up to 1147.1 Mbps
Output Power Max.	IEEE 802.11b: 29.91 dBm (0.9795 W) IEEE 802.11g: 29.69 dBm (0.9321W) IEEE 802.11n (HT20): 29.72 dBm (0.9367 W) IEEE 802.11n (HT40): 29.74 dBm (0.9427 W) IEEE 802.11ac (VHT20): 29.86 dBm (0.9677 W) IEEE 802.11ac (VHT40): 29.87 dBm (0.9703 W) IEEE 802.11ax (HEW20): 29.82 dBm (0.9589 W) IEEE 802.11ax (HEW40): 29.84 dBm (0.9646 W)
Output Power Max. With Beamforming	IEEE 802.11ac (VHT20): 26.83 dBm (0.4814 W) IEEE 802.11ac (VHT40): 26.80 dBm (0.4790 W) IEEE 802.11ax (HEW20): 26.95 dBm (0.4960 W) IEEE 802.11ax (HEW40): 26.92 dBm (0.4919 W)
Test Model	MT8733
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	05	2432	09	2452
02	2417	06	2437	10	2457
03	2422	07	2442	11	2462
04	2427	08	2447		

(3) Table for Filed Antenna:

Ant.	Model No.	Antenna Type	Connector	Gain (dBi)
1	PCB	Dipole	SMA	3
2	PCB	Dipole	SMA	3
3	PCB	Dipole	SMA	3
4	PCB	Dipole	SMA	3

Note:

(1) The EUT incorporates a MIMO function. Physically, the EUT provides four completed transmitters and receivers (4T4R).
For Power Spectral Density
Directional Gain = 10log $[(10^{G1/20} + 10^{G2/20} + \ldots + 10^{Gn/20})^2/N_{ANT}]$ = 9.02 dBi > 6dBi.
The reduced power spectral density limits (dBm/3 kHz) = 8 - (9.02 - 6) = 4.98

(2) For Conducted Output Power
For N_{ANT} = 4 < 5,
Direction gain = G_{ANT} + 0 = 3 + 0 = 3 dBi .
The Direction gain is less than 6 dBi, so output power limits will not be reduced.

(3) For Beamforming mode
Directional Gain = 10log $[(10^{G1/20} + 10^{G2/20} + \ldots + 10^{Gn/20})^2/N_{ANT}]$ = 9.02 dBi > 6dBi.
The reduced power spectral density limits (dBm/3 kHz) = 8 - (9.02 - 6) = 4.98.
The reduced output power limits (dBm) = 30 - (9.02 - 6) = 26.98.
Beamforming gain is 3 dBi.

(4) Operating Mode and Antenna Configuration

Operating Mode / TX Mode	1TX	4TX
IEEE 802.11b	V (Ant. 1or Ant. 2 or Ant. 3 or Ant. 4)	-
IEEE 802.11g	-	V (Ant. 1+Ant. 2+Ant. 3+Ant. 4)
IEEE 802.11n (HT20)	-	V (Ant. 1+Ant. 2+Ant. 3+Ant. 4)
IEEE 802.11n (HT40)	-	V (Ant. 1+Ant. 2+Ant. 3+Ant. 4)
IEEE 802.11ac (VHT20)	-	V (Ant. 1+Ant. 2+Ant. 3+Ant. 4)
IEEE 802.11ac (VHT40)	-	V (Ant. 1+Ant. 2+Ant. 3+Ant. 4)
IEEE 802.11ax (HEW20)	-	V (Ant. 1+Ant. 2+Ant. 3+Ant. 4)
IEEE 802.11ax (HEW40)	-	V (Ant. 1+Ant. 2+Ant. 3+Ant. 4)

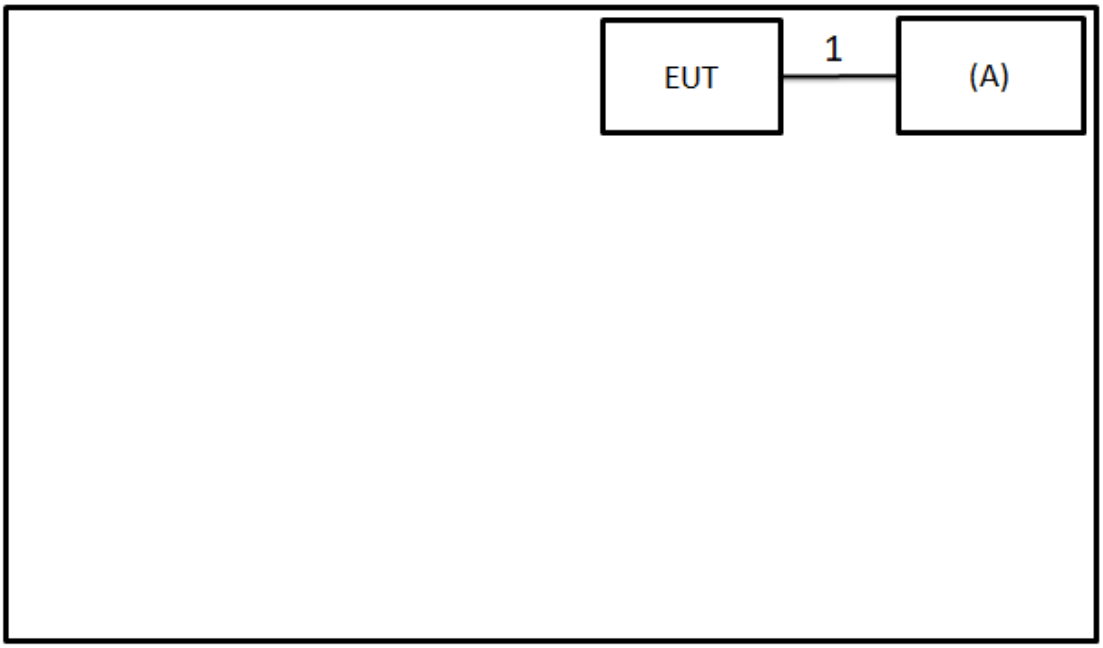
2.2 TEST MODES

Test Items	Test mode	Channel	Note
AC power line conducted emissions	Normal/Idle	-	-
Transmitter Radiated Emissions (below 1GHz)	TX Mode_IEEE 802.11b	11	-
	TX Mode_IEEE 802.11ax (HEW40)	09	Beamforming mode
Transmitter Radiated Emissions (above 1GHz)	TX Mode_IEEE 802.11b	01/11	Bandedge
	TX Mode_IEEE 802.11g		
	TX Mode_IEEE 802.11ac (VHT20)		
	TX Mode_IEEE 802.11ax (HEW20)		
	TX Mode_IEEE 802.11ac (VHT40)	03/09	
	TX Mode_IEEE 802.11ax (HEW40)		
	TX Mode_IEEE 802.11b	01/06/11	Harmonic
	TX Mode_IEEE 802.11g		
	TX Mode_IEEE 802.11ac (VHT20)		
	TX Mode_IEEE 802.11ax (HEW20)		
	TX Mode_IEEE 802.11ac (VHT40)	03/06/09	
	TX Mode_IEEE 802.11ax (HEW40)		
Bandwidth & Power Spectral Density & Antenna conducted Spurious Emission	TX Mode_IEEE 802.11b	01/06/11	-
	TX Mode_IEEE 802.11g		
	TX Mode_IEEE 802.11ac (VHT20)		
	TX Mode_IEEE 802.11ax (HEW20)		
	TX Mode_IEEE 802.11ac (VHT40)	03/06/09	
	TX Mode_IEEE 802.11ax (HEW40)		
Output Power	TX Mode_IEEE 802.11b	01/06/11	-
	TX Mode_IEEE 802.11g		
	TX Mode_IEEE 802.11n (HT20)		
	TX Mode_IEEE 802.11ac (VHT20)		
	TX Mode_IEEE 802.11ax (HEW20)		
	TX Mode_IEEE 802.11n (HT40)	03/06/09	
	TX Mode_IEEE 802.11ac (VHT40)		
	TX Mode_IEEE 802.11ax (HEW40)		

NOTE:
(1) The Radiated emissions test was verified based on the worst conducted power and Bandwidth test results reported in the original report.
(2) For radiated emission band edge test, both Vertical and Horizontal are evaluated, but only the worst case (Vertical) is recorded.
(3) All X, Y and Z axes are evaluated, but only the worst case (X axis) is recorded.
(4) There were no emissions found below 30 MHz within 20 dB of the limit.
(5) All adapter are evaluated, the KSA-36W-120300HU is the worst and recorded as below test data.

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.



2.4 SUPPORT UNITS

Item	Equipment	Brand	Model No.	Series No.	Remarks
A	Adapter	Ktec	KSA-36W-120300HU	N/A	Supplied by test requester.

Item	Shielded	Ferrite Core	Length	Cable Type	Remarks
1	N/A	N/A	1.5m	Power cable	Supplied by test requester.

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

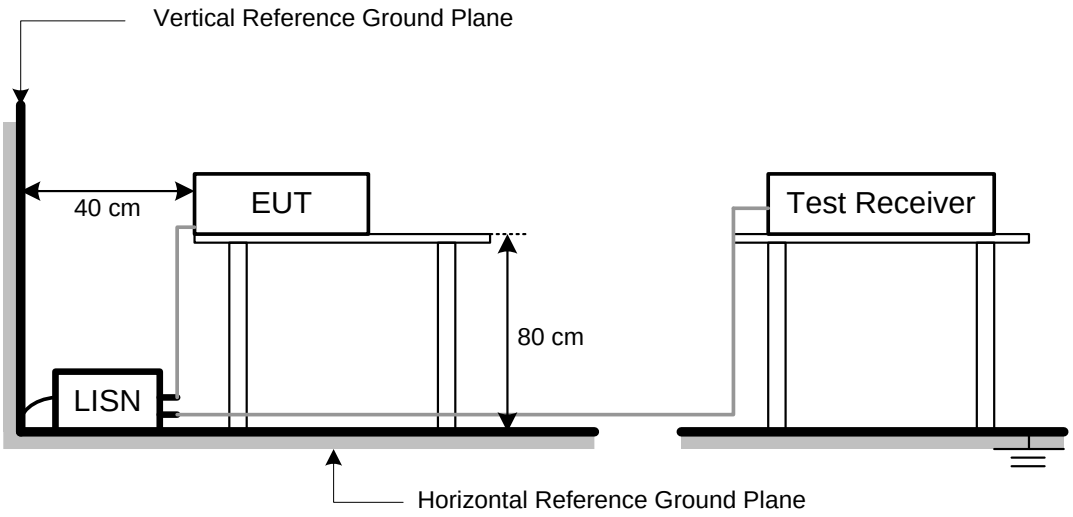
a. The EUT was placed 0.8 m above the horizontal ground plane with the EUT being connected to the power mains through a line impedance stabilization network (LISN).
All other support equipment were powered from an additional LISN(s).
The LISN provides 50 Ohm/50uH of impedance for the measuring instrument.
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

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

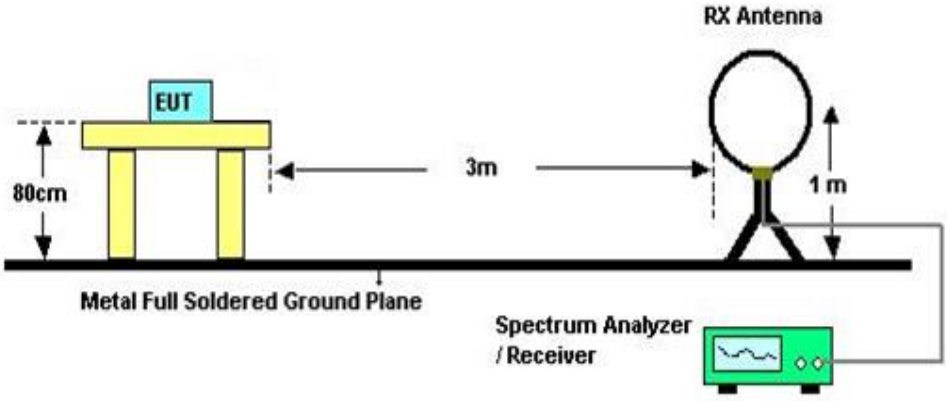
a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
b. The measuring distance 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

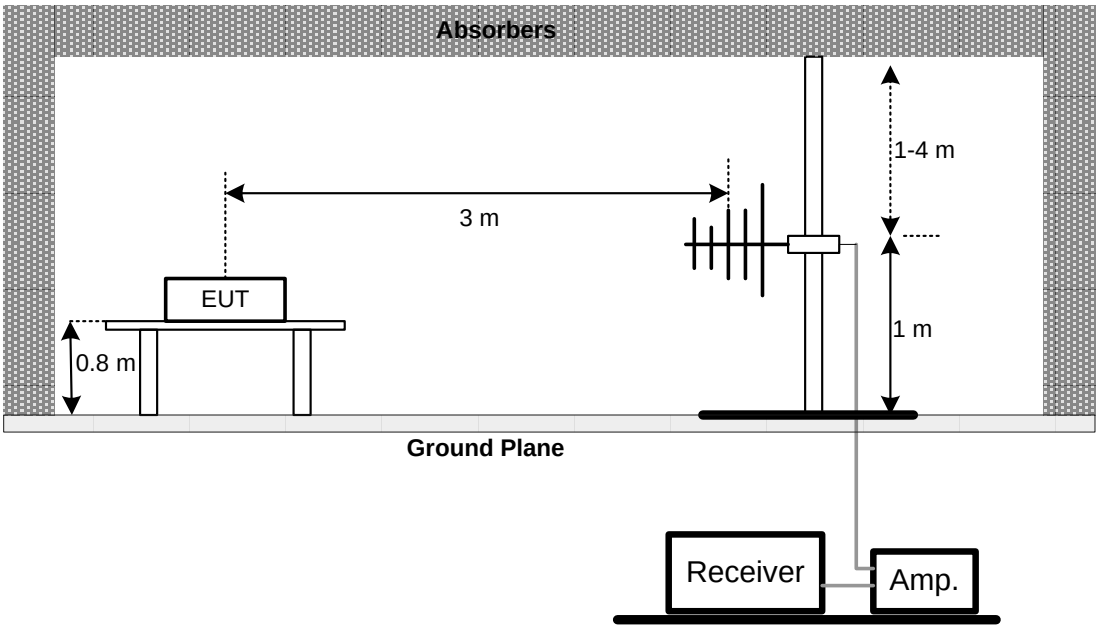
No deviation.

4.4 TEST SETUP

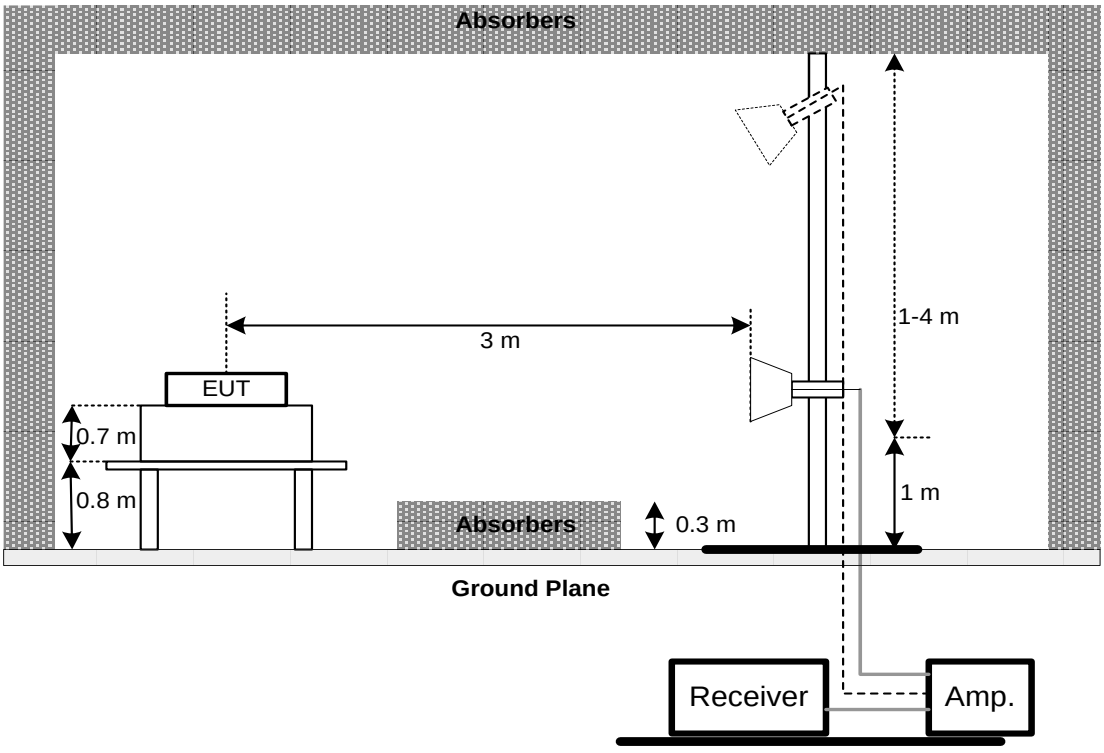
9 kHz to 30 MHz



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

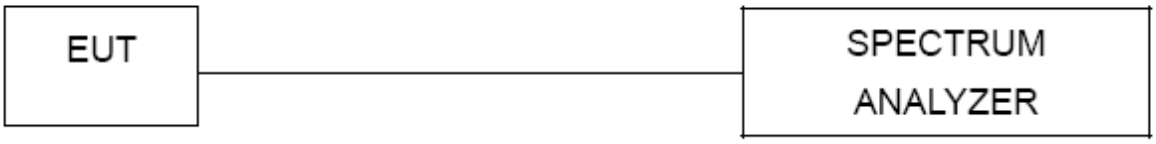
5.2 TEST PROCEDURE

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

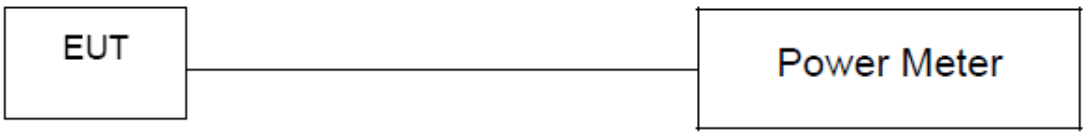
6.2 TEST PROCEDURE

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 method 9.1.2 of FCC KDB 558074 D01 DTS Meas Guidance.

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)

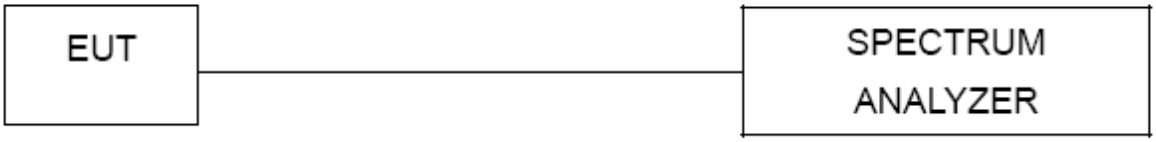
7.2 TEST PROCEDURE

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.

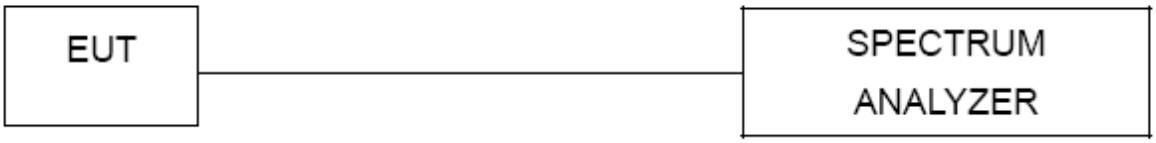
8.2 TEST PROCEDURE

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	2021/6/11
2	Test Cable	EMCI	EMC400-BM-BM-5000	170501	2019/8/15	2020/8/14
3	EMI Test Receiver	R&S	ESR7	101433	2019/12/13	2020/12/11
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	EMC2654045	980030	2020/1/31	2021/1/30
4	Test Cable	EMCI	EMC104-SM-SM-800	150207	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	2020/6/4	2021/6/3
9	Horm Ant	SCHWARZBECK	BBHA 9120D	9120D-1342	2020/6/12	2021/6/11
10	Horm Ant	Schwarzbeck	BBHA 9170	187	2019/12/21	2020/12/20
11	Trilog-Broadband Antenna	Schwarzbeck	VULB 9168	0992	2020/7/10	2021/7/9
12	5dB Attenuator	EMCI	EMCI-N-0-625	AT-N0508	2020/7/10	2021/7/9

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	Keysight	8990B	MY51000517	2020/4/6	2021/4/5
2	Power Sensor	Keysight	N1923A	MY58310005	2020/4/6	2021/4/5

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

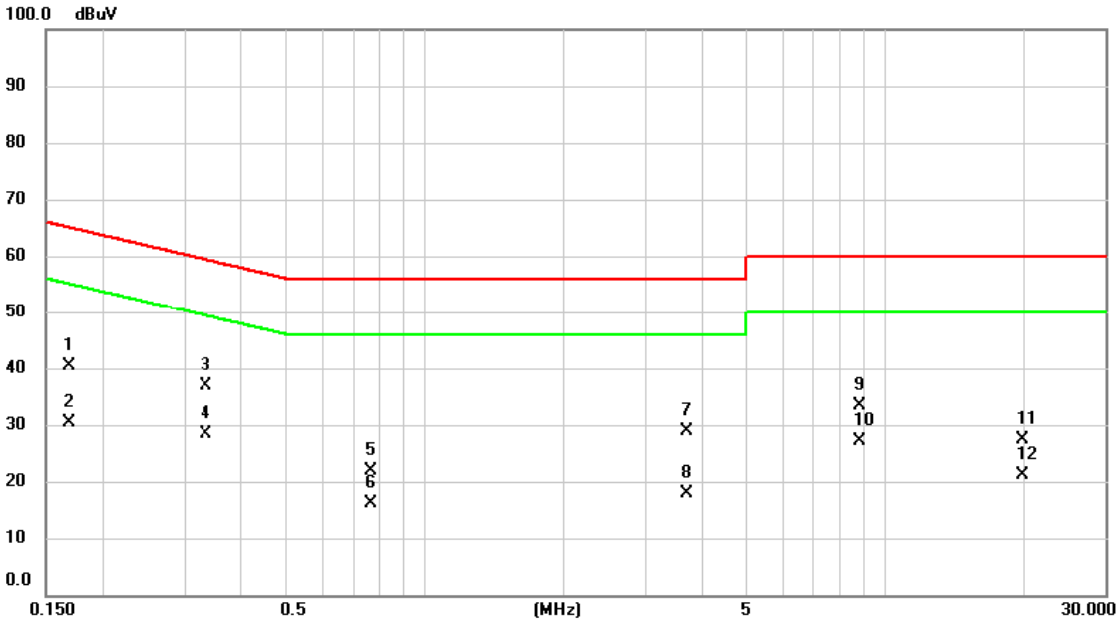
Please refer to document Appendix No.: TP-2006T060-FCCP-1 (APPENDIX-TEST PHOTOS).

11 EUT PHOTOS

Please refer to document Appendix No.: EP-2006T060-1 (APPENDIX-EUT PHOTOS).

APPENDIX A AC POWER LINE CONDUCTED EMISSIONS

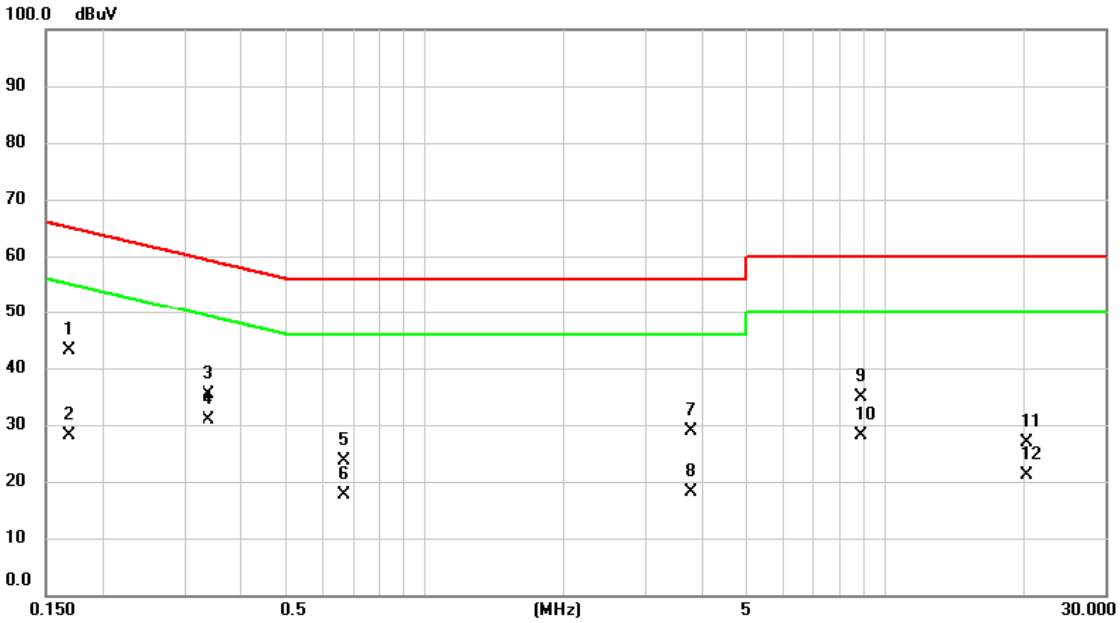
Test Mode	Normal	Tested Date	2020/7/3
Test Frequency	-	Phase	Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1680	30.61	9.67	40.28	65.06	-24.78	QP	
2		0.1680	20.80	9.67	30.47	55.06	-24.59	AVG	
3		0.3344	27.12	9.71	36.83	59.34	-22.51	QP	
4	*	0.3344	18.72	9.71	28.43	49.34	-20.91	AVG	
5		0.7642	12.18	9.72	21.90	56.00	-34.10	QP	
6		0.7642	6.48	9.72	16.20	46.00	-29.80	AVG	
7		3.6870	19.05	9.81	28.86	56.00	-27.14	QP	
8		3.6870	8.19	9.81	18.00	46.00	-28.00	AVG	
9		8.7922	23.43	9.92	33.35	60.00	-26.65	QP	
10		8.7922	17.10	9.92	27.02	50.00	-22.98	AVG	
11		19.8037	17.35	10.02	27.37	60.00	-32.63	QP	
12		19.8037	11.06	10.02	21.08	50.00	-28.92	AVG	

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

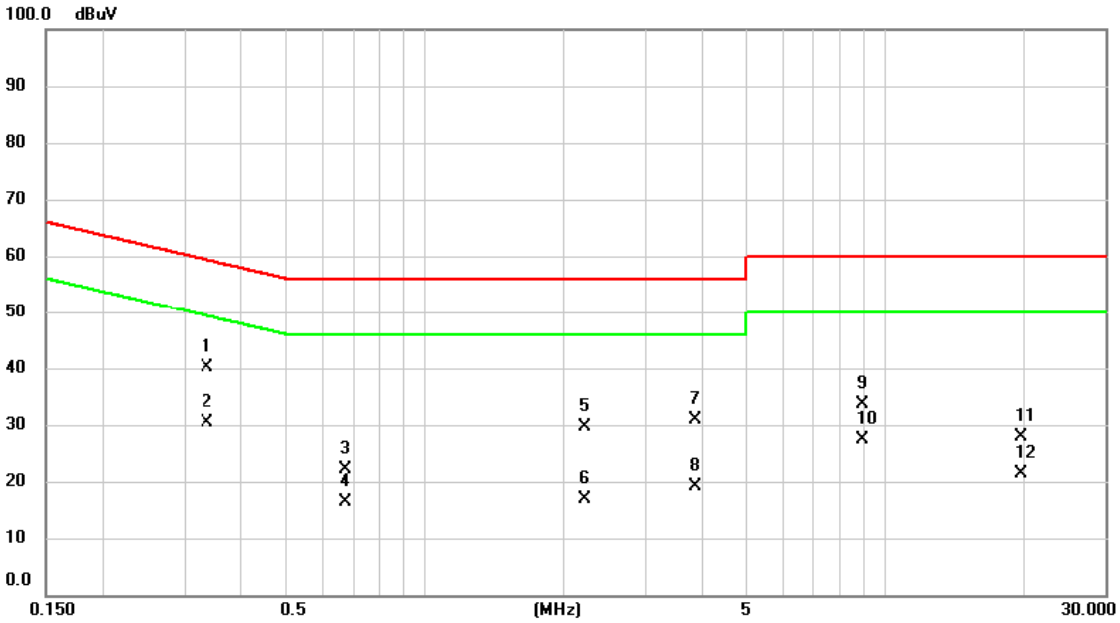
Test Mode	Normal	Tested Date	2020/7/3
Test Frequency	-	Phase	Neutral



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1680	33.53	9.67	43.20	65.06	-21.86	QP	
2		0.1680	18.54	9.67	28.21	55.06	-26.85	AVG	
3		0.3390	25.70	9.71	35.41	59.23	-23.82	QP	
4	*	0.3390	21.23	9.71	30.94	49.23	-18.29	AVG	
5		0.6697	13.99	9.72	23.71	56.00	-32.29	QP	
6		0.6697	7.92	9.72	17.64	46.00	-28.36	AVG	
7		3.7793	19.03	9.81	28.84	56.00	-27.16	QP	
8		3.7793	8.22	9.81	18.03	46.00	-27.97	AVG	
9		8.8418	25.00	9.92	34.92	60.00	-25.08	QP	
10		8.8418	18.30	9.92	28.22	50.00	-21.78	AVG	
11		20.2988	16.98	10.02	27.00	60.00	-33.00	QP	
12		20.2988	11.08	10.02	21.10	50.00	-28.90	AVG	

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

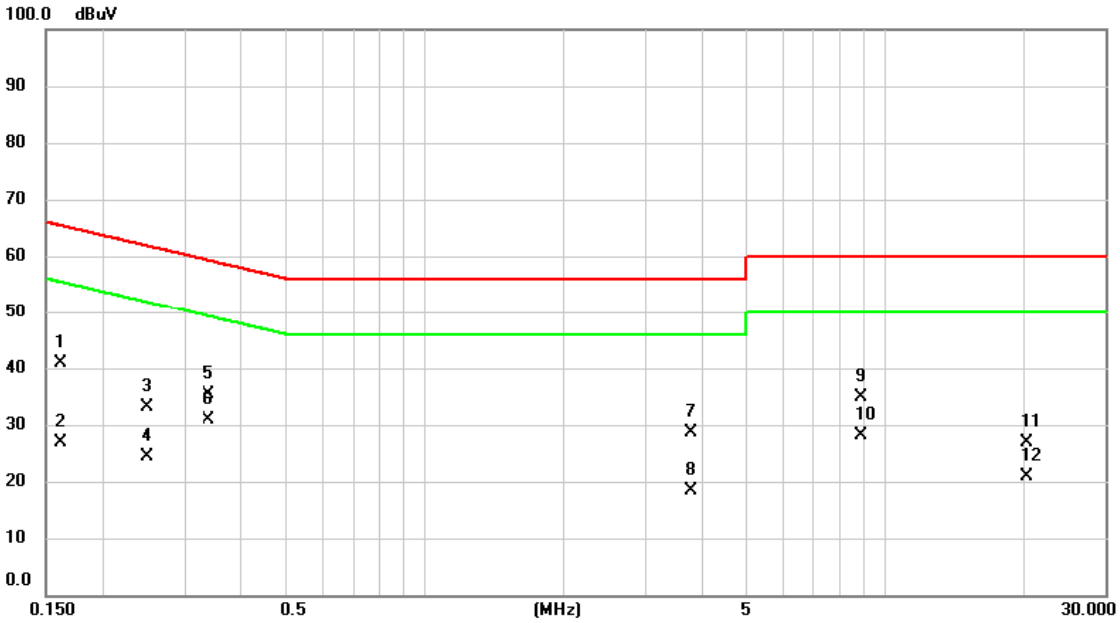
Test Mode	Idle	Tested Date	2020/7/3
Test Frequency	-	Phase	Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.3367	30.35	9.71	40.06	59.28	-19.22	QP	
2	*	0.3367	20.79	9.71	30.50	49.28	-18.78	AVG	
3		0.6720	12.53	9.72	22.25	56.00	-33.75	QP	
4		0.6720	6.76	9.72	16.48	46.00	-29.52	AVG	
5		2.2222	19.94	9.76	29.70	56.00	-26.30	QP	
6		2.2222	7.15	9.76	16.91	46.00	-29.09	AVG	
7		3.8580	21.18	9.81	30.99	56.00	-25.01	QP	
8		3.8580	9.27	9.81	19.08	46.00	-26.92	AVG	
9		8.9520	23.68	9.92	33.60	60.00	-26.40	QP	
10		8.9520	17.37	9.92	27.29	50.00	-22.71	AVG	
11		19.6372	17.84	10.02	27.86	60.00	-32.14	QP	
12		19.6372	11.35	10.02	21.37	50.00	-28.63	AVG	

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

Test Mode	Idle	Tested Date	2020/7/3
Test Frequency	-	Phase	Neutral



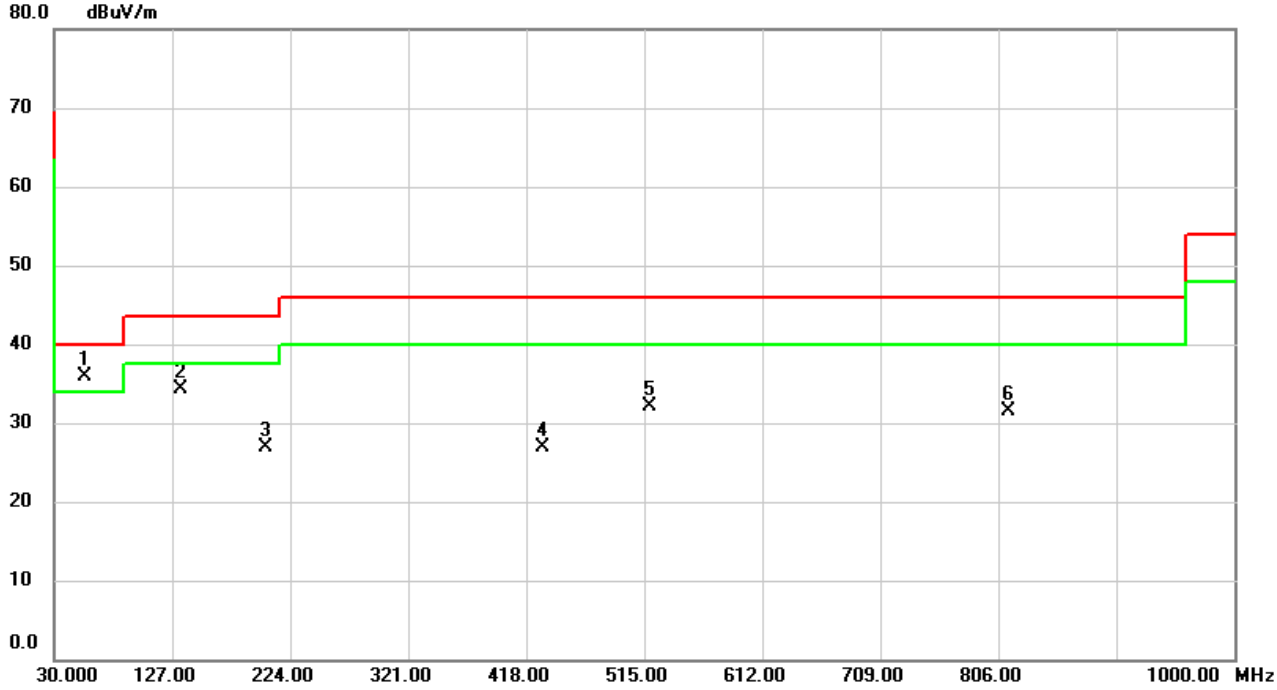
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1613	31.21	9.67	40.88	65.40	-24.52	QP	
2		0.1613	17.12	9.67	26.79	55.40	-28.61	AVG	
3		0.2490	23.42	9.66	33.08	61.79	-28.71	QP	
4		0.2490	14.69	9.66	24.35	51.79	-27.44	AVG	
5		0.3390	25.71	9.71	35.42	59.23	-23.81	QP	
6	*	0.3390	21.22	9.71	30.93	49.23	-18.30	AVG	
7		3.7793	18.83	9.81	28.64	56.00	-27.36	QP	
8		3.7793	8.68	9.81	18.49	46.00	-27.51	AVG	
9		8.8440	24.93	9.92	34.85	60.00	-25.15	QP	
10		8.8440	18.21	9.92	28.13	50.00	-21.87	AVG	
11		20.2830	16.78	10.02	26.80	60.00	-33.20	QP	
12		20.2830	10.96	10.02	20.98	50.00	-29.02	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	Non-Beamforming mode

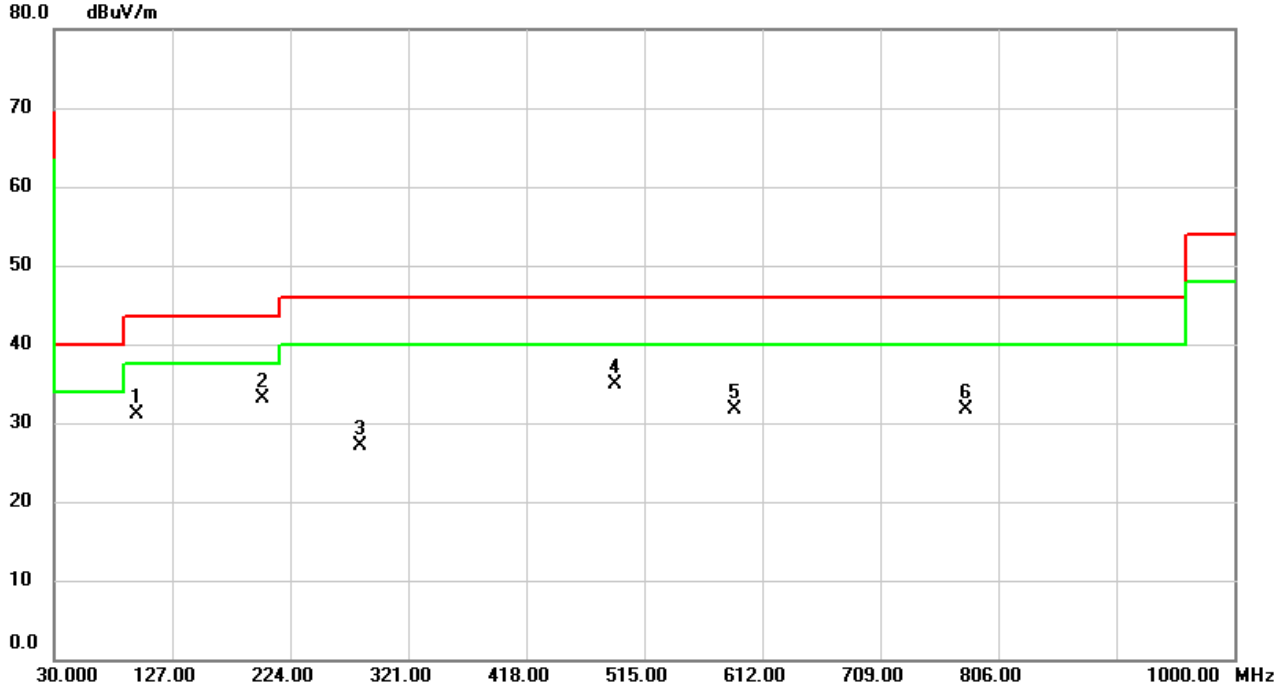
Test Mode	IEEE 802.11b	Test Date	2020/7/7
Test Frequency	2462	Polarization	Vertical
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	55.2200	43.92	-8.07	35.85	40.00	-4.15	peak	
2		133.7900	43.87	-9.59	34.28	43.50	-9.22	peak	
3		203.6300	37.68	-10.81	26.87	43.50	-16.63	peak	
4		431.5800	30.96	-4.01	26.95	46.00	-19.05	peak	
5		519.8500	34.41	-2.34	32.07	46.00	-13.93	peak	
6		814.7300	28.74	2.76	31.50	46.00	-14.50	peak	

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

Test Mode	IEEE 802.11b	Test Date	2020/7/7
Test Frequency	2462	Polarization	Horizontal
Temp	22°C	Hum.	61%

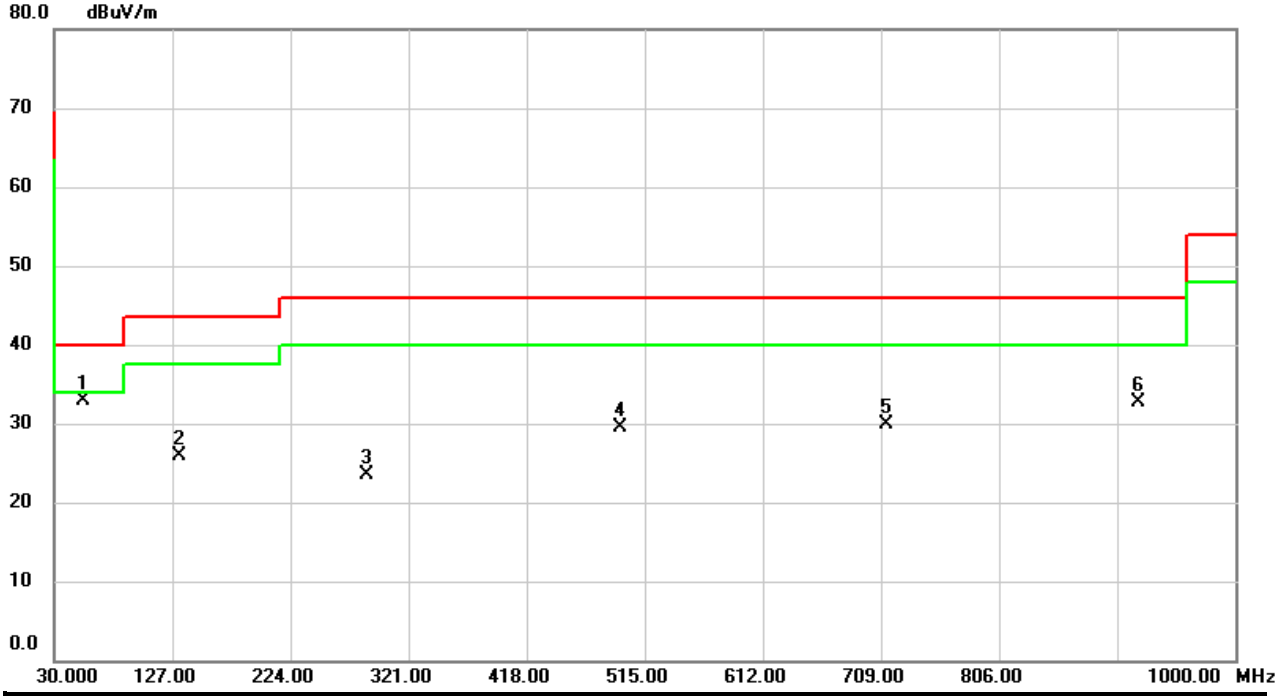


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		97.9000	44.39	-13.23	31.16	43.50	-12.34	peak	
2	*	201.6900	43.89	-10.84	33.05	43.50	-10.45	peak	
3		281.2300	34.82	-7.77	27.05	46.00	-18.95	peak	
4		490.7500	37.91	-2.99	34.92	46.00	-11.08	peak	
5		588.7200	32.36	-0.62	31.74	46.00	-14.26	peak	
6		779.8100	29.34	2.39	31.73	46.00	-14.27	peak	

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

Test Mode	Beamforming mode

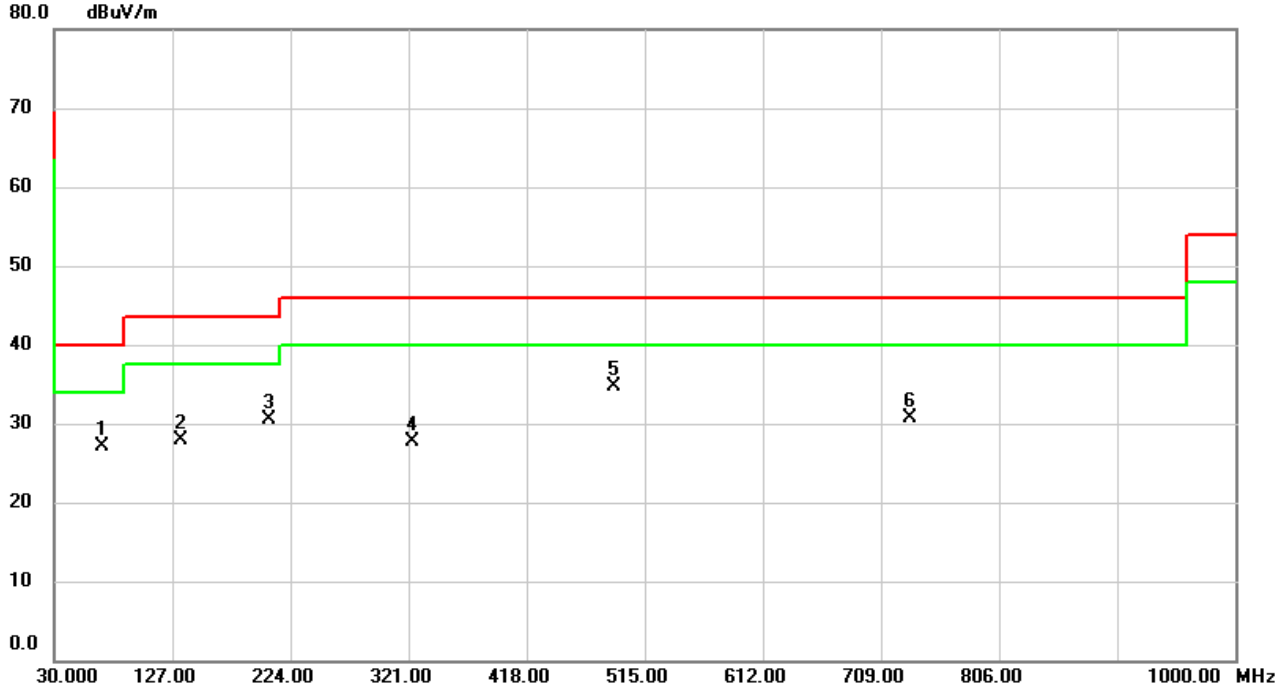
Test Mode	IEEE 802.11ax (HEW40)	Test Date	2020/7/7
Test Frequency	2452	Polarization	Vertical
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	54.2500	40.94	-7.98	32.96	40.00	-7.04	peak	
2		132.8200	35.58	-9.70	25.88	43.50	-17.62	peak	
3		286.0800	31.05	-7.64	23.41	46.00	-22.59	peak	
4		494.6300	32.46	-2.94	29.52	46.00	-16.48	peak	
5		713.8500	28.57	1.40	29.97	46.00	-16.03	peak	
6		920.4600	28.59	4.19	32.78	46.00	-13.22	peak	

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

Test Mode	IEEE 802.11ax (HEW40)	Test Date	2020/7/7
Test Frequency	2452	Polarization	Horizontal
Temp	22°C	Hum.	61%



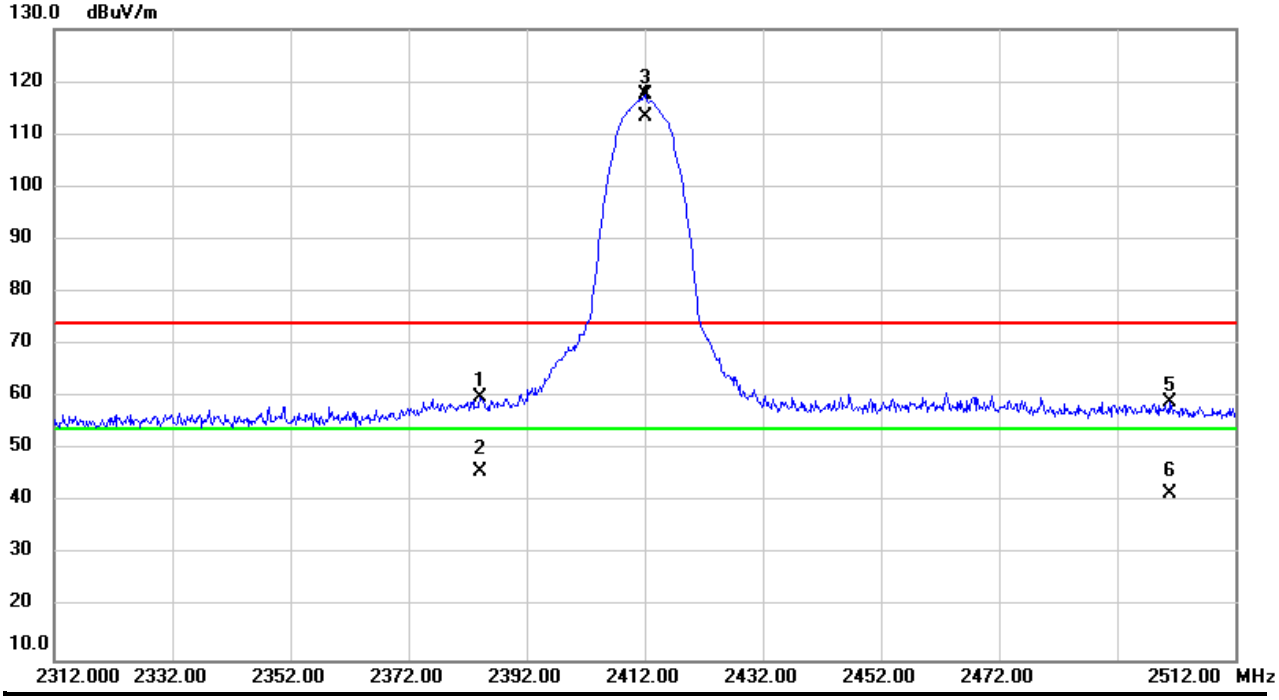
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		68.8000	37.46	-10.42	27.04	40.00	-12.96	peak	
2		133.7900	37.55	-9.59	27.96	43.50	-15.54	peak	
3		206.5400	41.28	-10.78	30.50	43.50	-13.00	peak	
4		323.9100	34.39	-6.72	27.67	46.00	-18.33	peak	
5	*	489.7800	37.63	-3.00	34.63	46.00	-11.37	peak	
6		733.2500	28.85	1.79	30.64	46.00	-15.36	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	Non-Beamforming mode

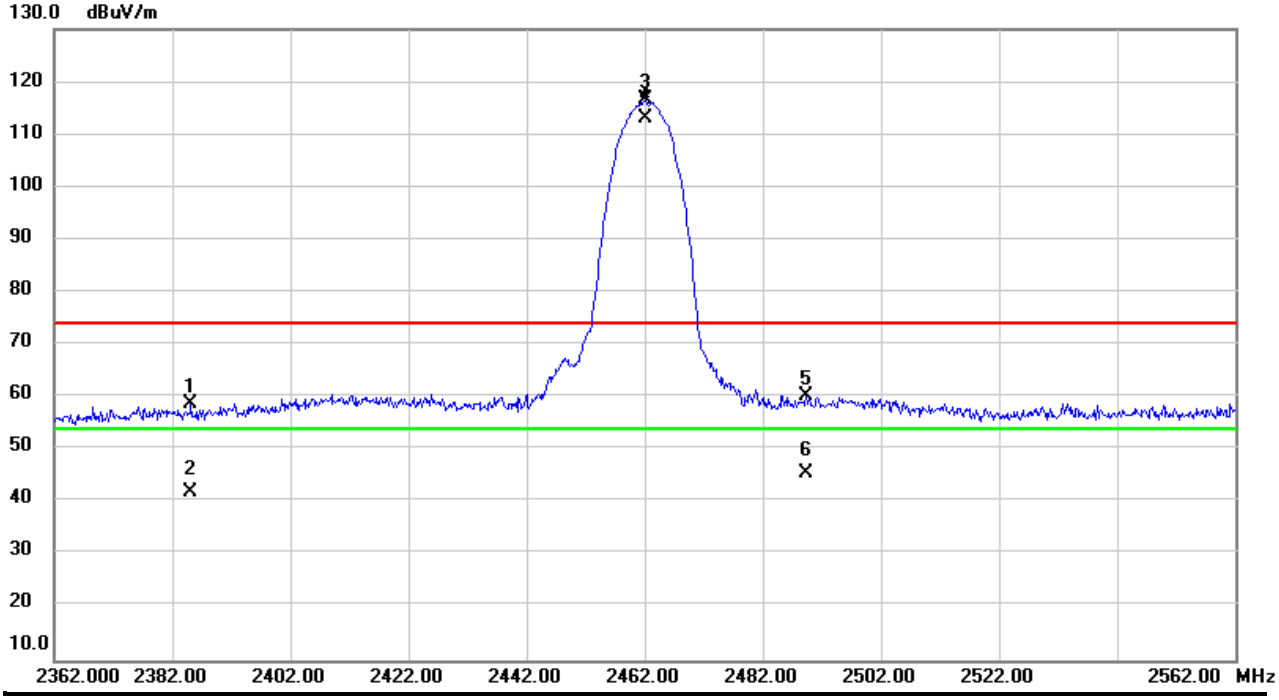
Test Mode	IEEE 802.11b	Test Date	2020/6/20
Test Frequency	2412	Polarization	Vertical
Temp	21°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2384.200	29.00	31.09	60.09	74.00	-13.91	peak	
2		2384.200	14.77	31.09	45.86	54.00	-8.14	AVG	
3	X	2412.000	86.39	31.20	117.59	74.00	43.59	peak	NoLimit
4	*	2412.000	82.25	31.20	113.45	54.00	59.45	AVG	NoLimit
5		2500.800	27.64	31.53	59.17	74.00	-14.83	peak	
6		2500.800	10.27	31.53	41.80	54.00	-12.20	AVG	

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

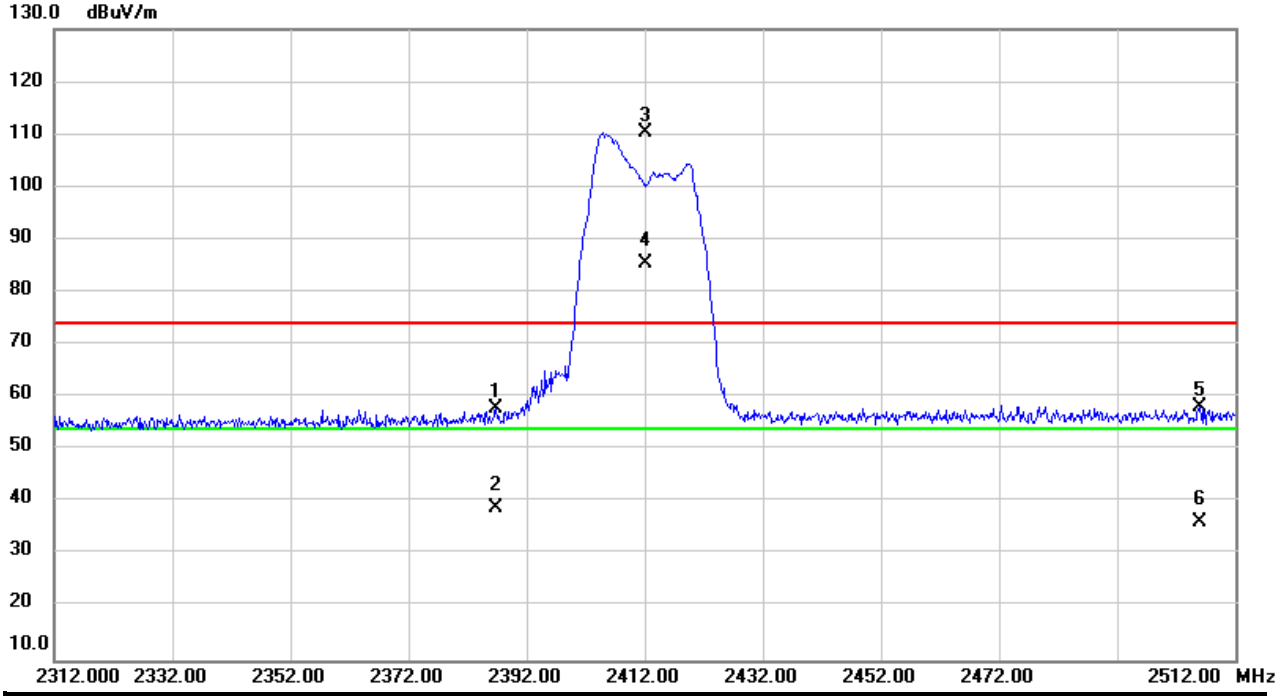
Test Mode	IEEE 802.11b	Test Date	2020/6/20
Test Frequency	2462	Polarization	Vertical
Temp	21°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2385.200	27.55	31.09	58.64	74.00	-15.36	peak	
2		2385.200	10.72	31.09	41.81	54.00	-12.19	AVG	
3	X	2462.000	85.29	31.39	116.68	74.00	42.68	peak	NoLimit
4	*	2462.000	81.52	31.39	112.91	54.00	58.91	AVG	NoLimit
5		2489.400	28.88	31.49	60.37	74.00	-13.63	peak	
6		2489.400	14.06	31.49	45.55	54.00	-8.45	AVG	

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

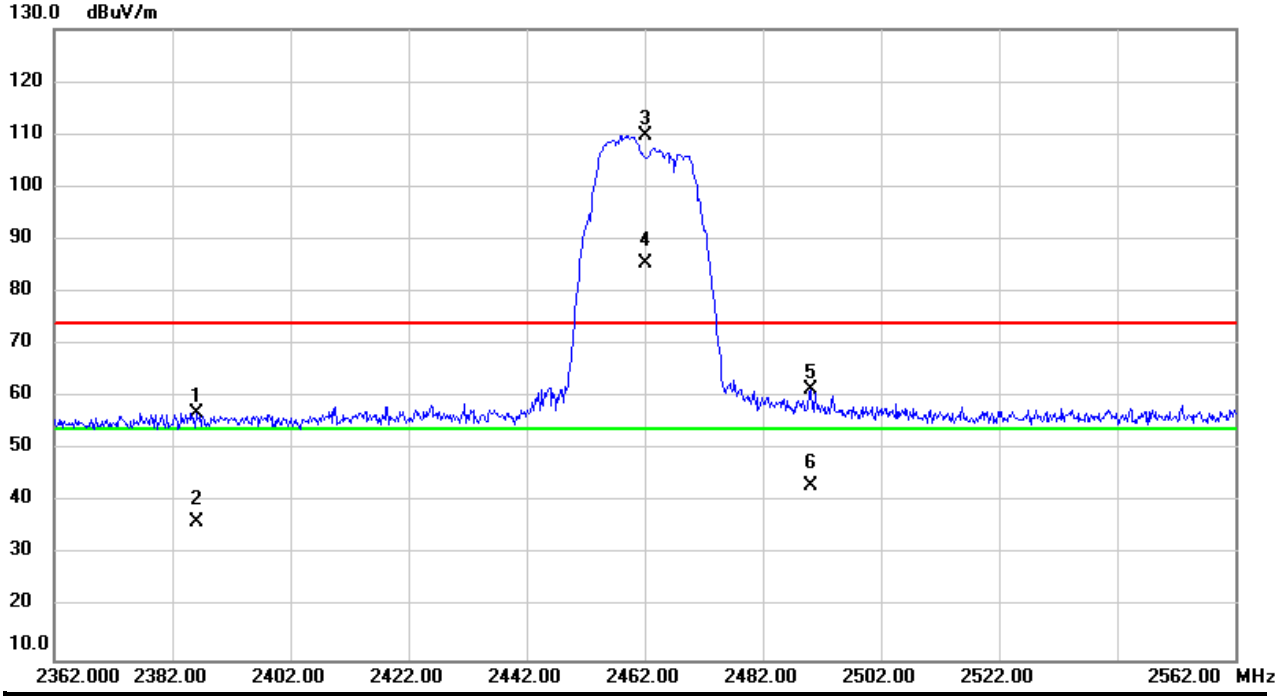
Test Mode	IEEE 802.11g	Test Date	2020/6/20
Test Frequency	2412	Polarization	Vertical
Temp	21°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2386.800	26.71	31.10	57.81	74.00	-16.19	peak	
2		2386.800	7.76	31.10	38.86	54.00	-15.14	AVG	
3	*	2412.000	79.17	31.20	110.37	74.00	36.37	peak	NoLimit
4	X	2412.000	54.19	31.20	85.39	54.00	31.39	AVG	NoLimit
5		2506.000	26.59	31.55	58.14	74.00	-15.86	peak	
6		2506.000	4.73	31.55	36.28	54.00	-17.72	AVG	

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

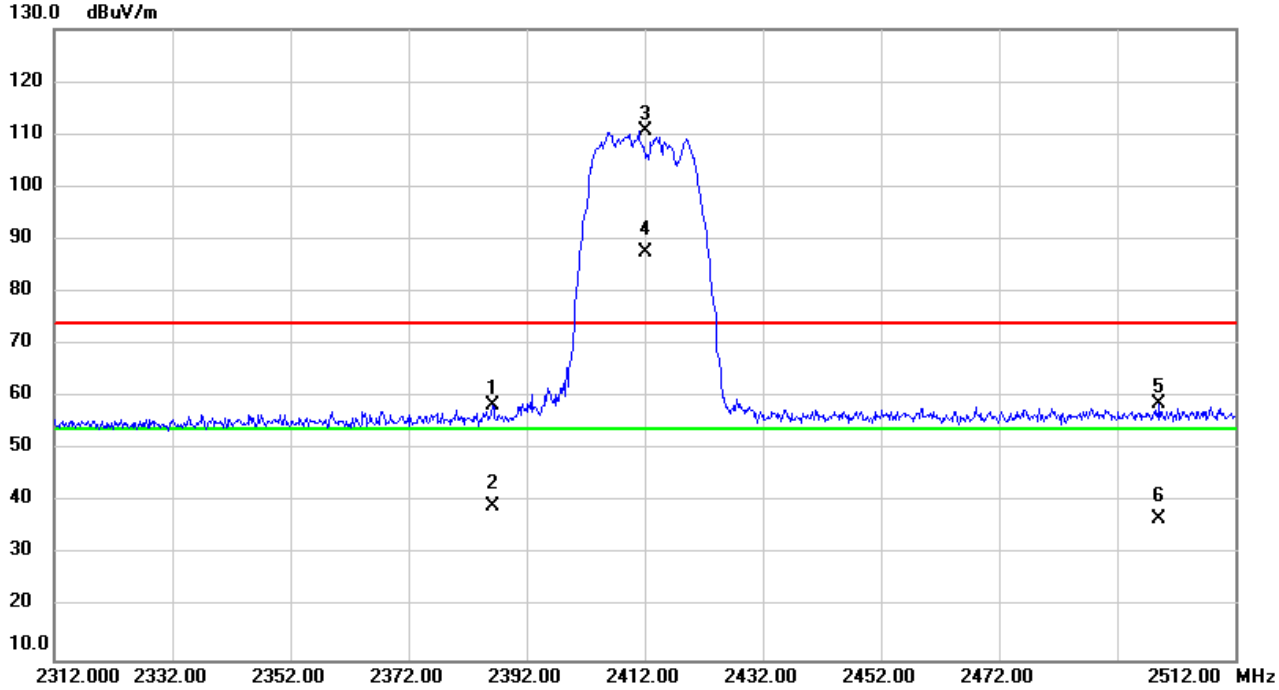
Test Mode	IEEE 802.11g	Test Date	2020/6/20
Test Frequency	2462	Polarization	Vertical
Temp	21°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2386.000	25.99	31.10	57.09	74.00	-16.91	peak	
2		2386.000	5.06	31.10	36.16	54.00	-17.84	AVG	
3	*	2462.000	78.48	31.39	109.87	74.00	35.87	peak	NoLimit
4	X	2462.000	53.95	31.39	85.34	54.00	31.34	AVG	NoLimit
5		2490.000	29.84	31.49	61.33	74.00	-12.67	peak	
6		2490.000	11.71	31.49	43.20	54.00	-10.80	AVG	

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

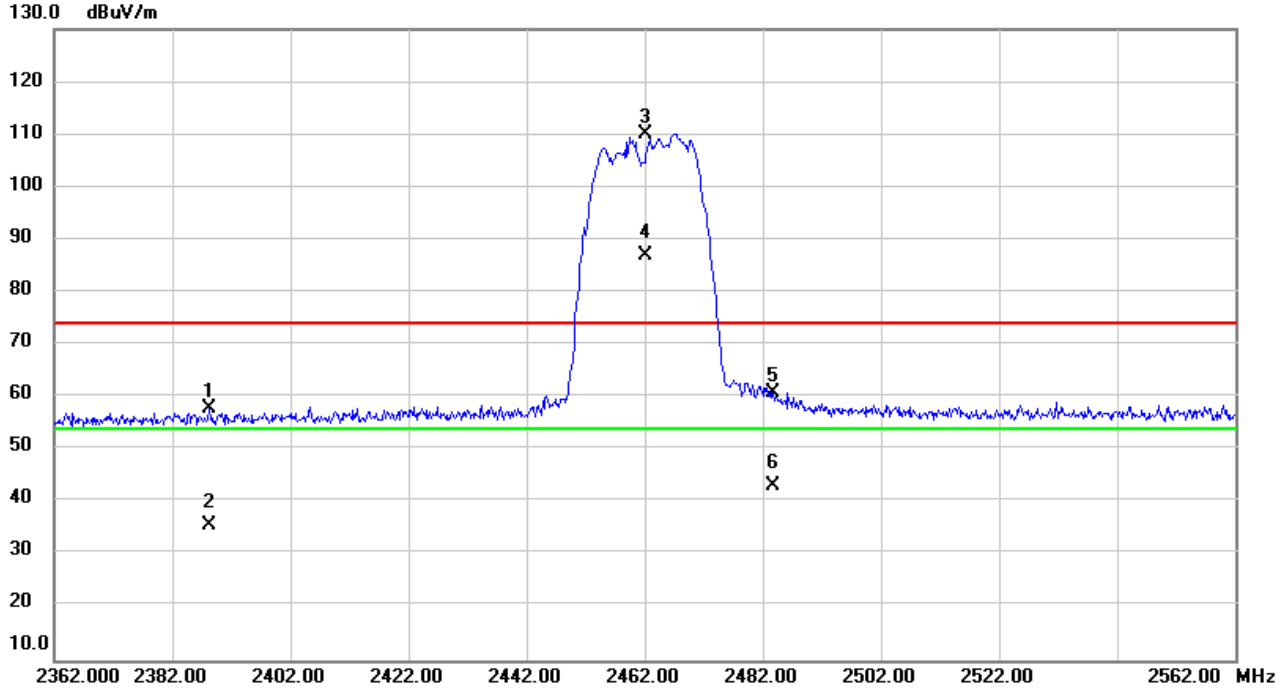
Test Mode	IEEE 802.11ac (VHT20)	Test Date	2020/6/20
Test Frequency	2412	Polarization	Vertical
Temp	21°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2386.200	27.23	31.10	58.33	74.00	-15.67	peak	
2		2386.200	8.05	31.10	39.15	54.00	-14.85	AVG	
3	*	2412.000	79.44	31.20	110.64	74.00	36.64	peak	NoLimit
4	X	2412.000	56.36	31.20	87.56	54.00	33.56	AVG	NoLimit
5		2499.200	27.14	31.53	58.67	74.00	-15.33	peak	
6		2499.200	5.17	31.53	36.70	54.00	-17.30	AVG	

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

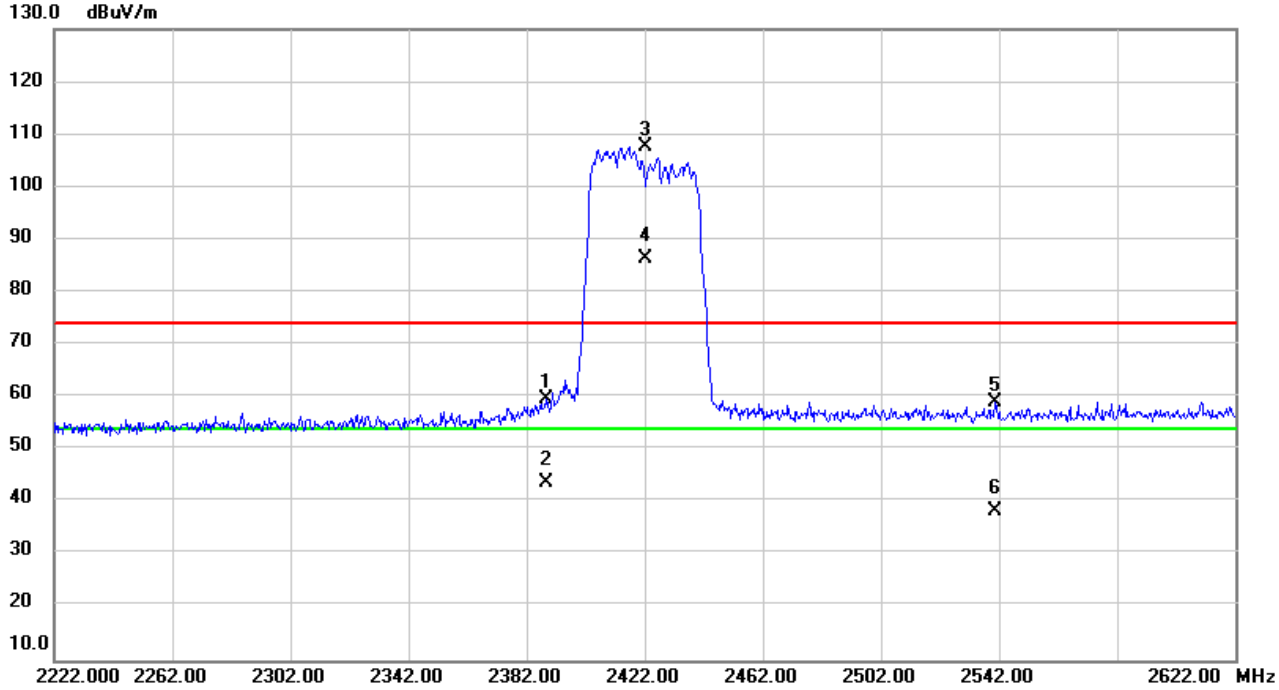
Test Mode	IEEE 802.11ac (VHT20)	Test Date	2020/6/20
Test Frequency	2462	Polarization	Vertical
Temp	21°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2388.200	26.72	31.10	57.82	74.00	-16.18	peak	
2		2388.200	4.67	31.10	35.77	54.00	-18.23	AVG	
3	*	2462.000	78.67	31.39	110.06	74.00	36.06	peak	NoLimit
4	X	2462.000	55.43	31.39	86.82	54.00	32.82	AVG	NoLimit
5		2483.800	29.40	31.47	60.87	74.00	-13.13	peak	
6		2483.800	11.73	31.47	43.20	54.00	-10.80	AVG	

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

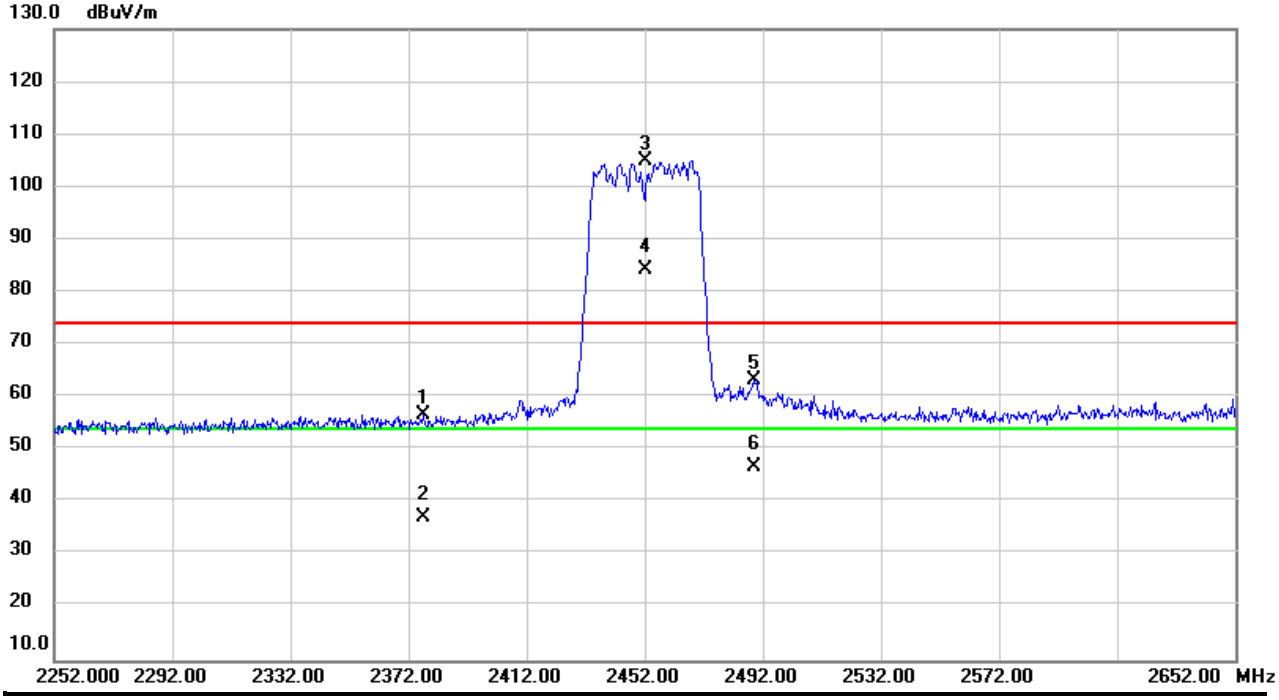
Test Mode	IEEE 802.11ac (VHT40)	Test Date	2020/6/20
Test Frequency	2422	Polarization	Vertical
Temp	21°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2388.400	28.46	31.10	59.56	74.00	-14.44	peak	
2		2388.400	12.60	31.10	43.70	54.00	-10.30	AVG	
3	*	2422.000	76.33	31.23	107.56	74.00	33.56	peak	NoLimit
4	X	2422.000	55.19	31.23	86.42	54.00	32.42	AVG	NoLimit
5		2540.400	27.51	31.65	59.16	74.00	-14.84	peak	
6		2540.400	6.83	31.65	38.48	54.00	-15.52	AVG	

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

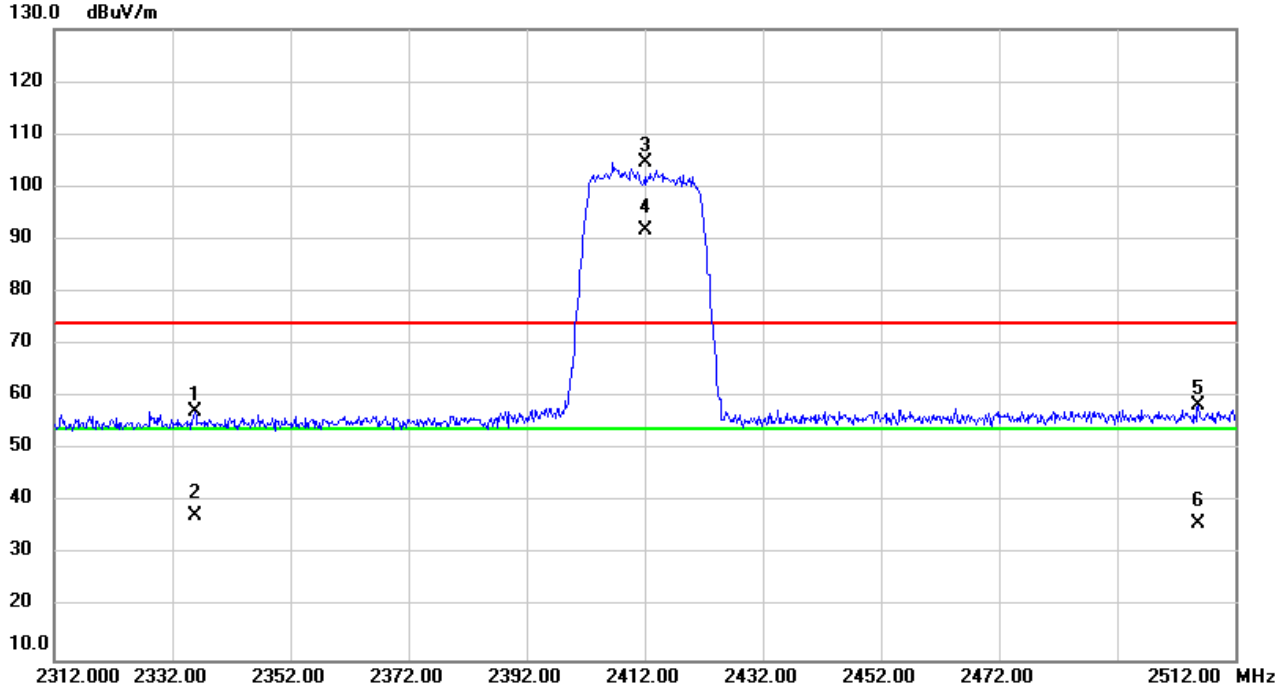
Test Mode	IEEE 802.11ac (VHT40)	Test Date	2020/6/20
Test Frequency	2452	Polarization	Vertical
Temp	21°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2376.800	25.65	31.07	56.72	74.00	-17.28	peak	
2		2376.800	5.99	31.07	37.06	54.00	-16.94	AVG	
3	*	2452.000	73.65	31.35	105.00	74.00	31.00	peak	NoLimit
4	X	2452.000	52.88	31.35	84.23	54.00	30.23	AVG	NoLimit
5		2488.800	31.82	31.48	63.30	74.00	-10.70	peak	
6		2488.800	15.18	31.48	46.66	54.00	-7.34	AVG	

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

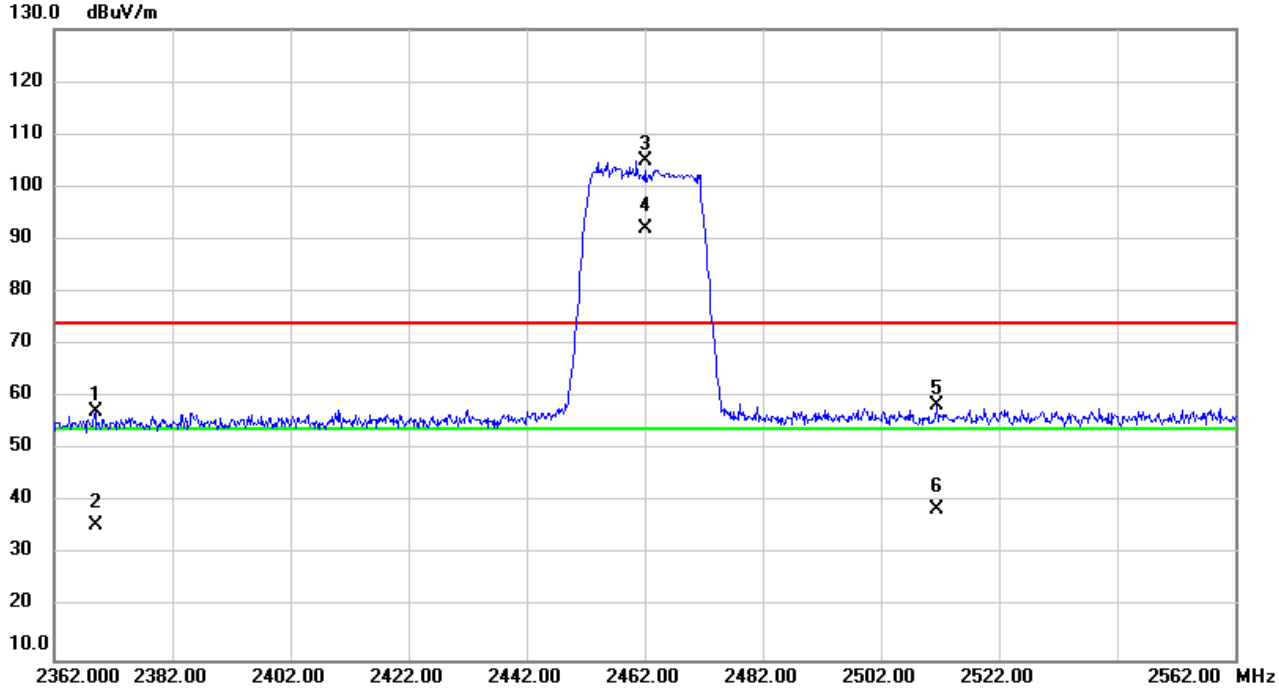
Test Mode	IEEE 802.11ax (HEW20)	Test Date	2020/6/20
Test Frequency	2412	Polarization	Vertical
Temp	21°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2335.800	26.30	30.90	57.20	74.00	-16.80	peak	
2		2335.800	6.69	30.90	37.59	54.00	-16.41	AVG	
3	X	2412.000	73.41	31.20	104.61	74.00	30.61	peak	NoLimit
4	*	2412.000	60.62	31.20	91.82	54.00	37.82	AVG	NoLimit
5		2505.800	26.88	31.55	58.43	74.00	-15.57	peak	
6		2505.800	4.30	31.55	35.85	54.00	-18.15	AVG	

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

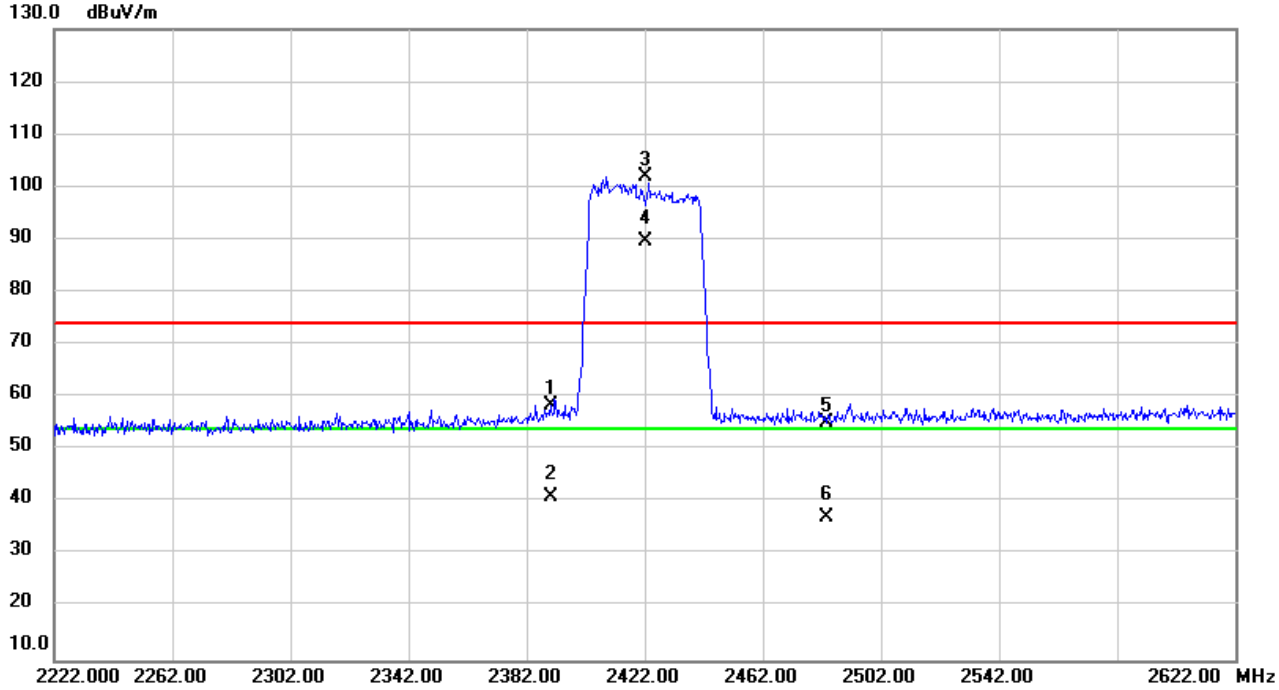
Test Mode	IEEE 802.11ax (HEW20)	Test Date	2020/6/20
Test Frequency	2462	Polarization	Vertical
Temp	21°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2369.000	26.08	31.03	57.11	74.00	-16.89	peak	
2		2369.000	4.59	31.03	35.62	54.00	-18.38	AVG	
3	X	2462.000	73.47	31.39	104.86	74.00	30.86	peak	NoLimit
4	*	2462.000	60.77	31.39	92.16	54.00	38.16	AVG	NoLimit
5		2511.600	26.84	31.56	58.40	74.00	-15.60	peak	
6		2511.600	7.24	31.56	38.80	54.00	-15.20	AVG	

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

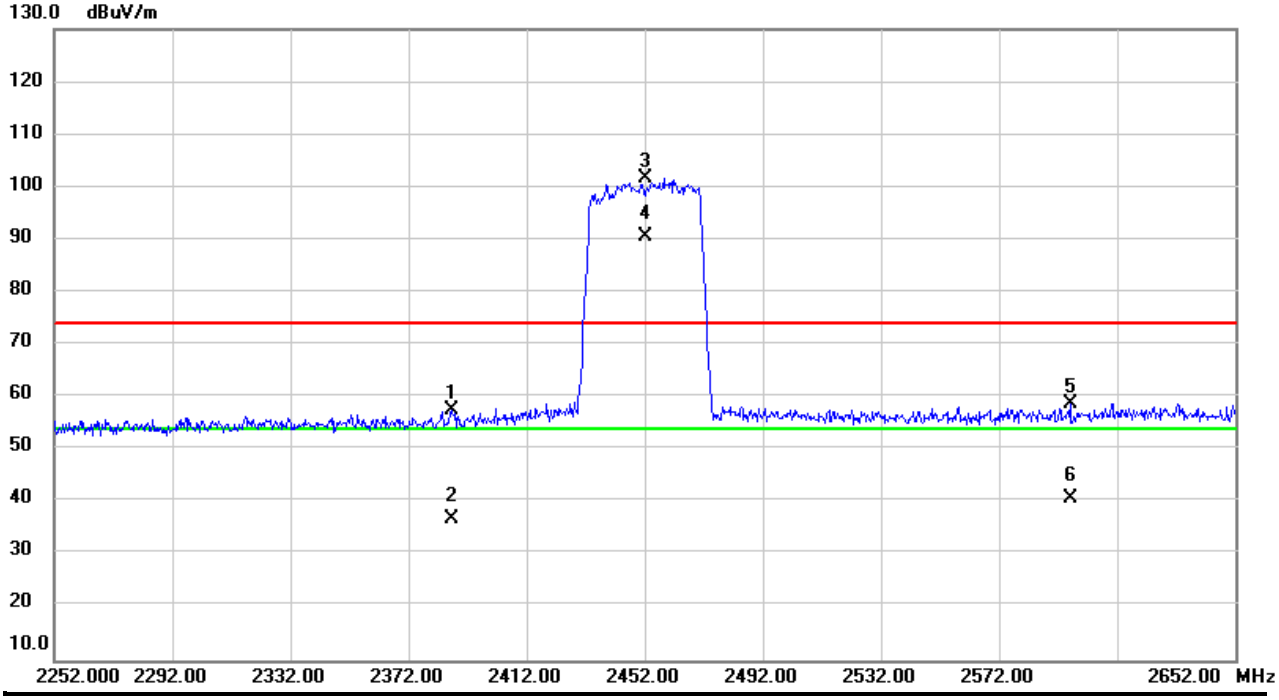
Test Mode	IEEE 802.11ax (HEW40)	Test Date	2020/6/20
Test Frequency	2422	Polarization	Vertical
Temp	21°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	27.24	31.11	58.35	74.00	-15.65	peak	
2		2390.000	9.91	31.11	41.02	54.00	-12.98	AVG	
3	X	2422.000	70.59	31.23	101.82	74.00	27.82	peak	NoLimit
4	*	2422.000	58.37	31.23	89.60	54.00	35.60	AVG	NoLimit
5		2483.500	23.64	31.47	55.11	74.00	-18.89	peak	
6		2483.500	5.75	31.47	37.22	54.00	-16.78	AVG	

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

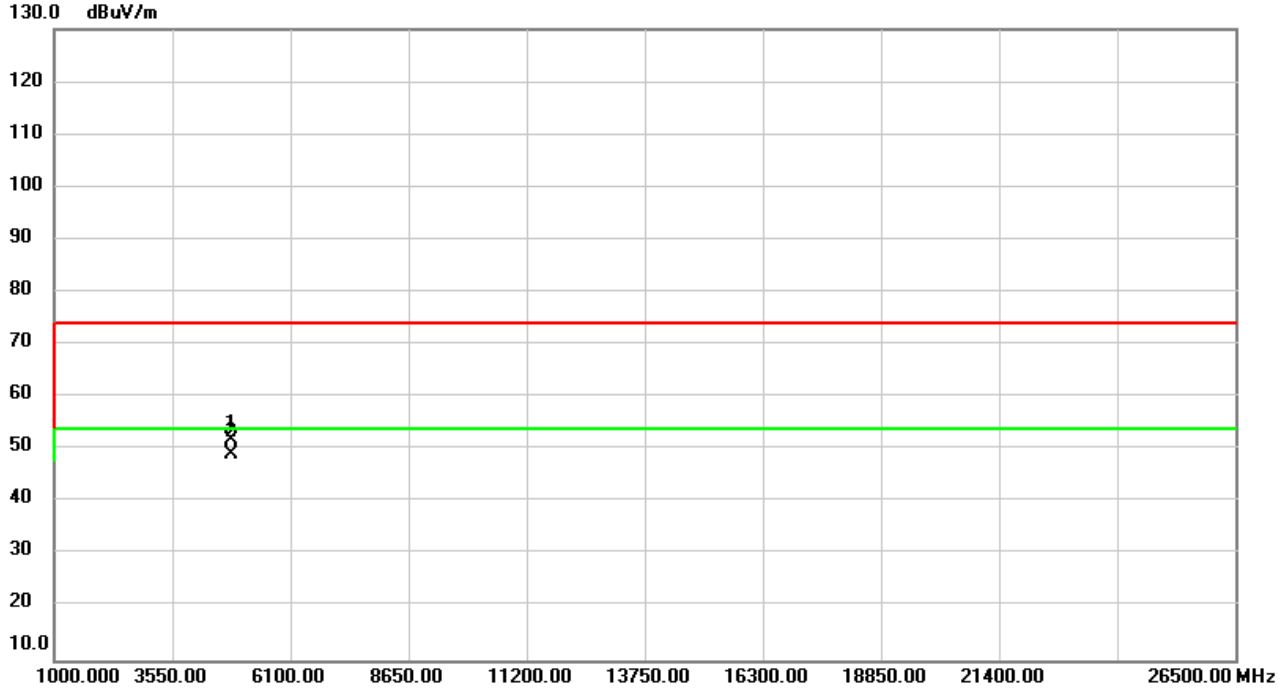
Test Mode	IEEE 802.11ax (HEW40)	Test Date	2020/6/20
Test Frequency	2452	Polarization	Vertical
Temp	21°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2386.400	26.33	31.10	57.43	74.00	-16.57	peak	
2		2386.400	5.74	31.10	36.84	54.00	-17.16	AVG	
3	X	2452.000	70.29	31.35	101.64	74.00	27.64	peak	NoLimit
4	*	2452.000	59.08	31.35	90.43	54.00	36.43	AVG	NoLimit
5		2596.000	26.93	31.81	58.74	74.00	-15.26	peak	
6		2596.000	8.85	31.81	40.66	54.00	-13.34	AVG	

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

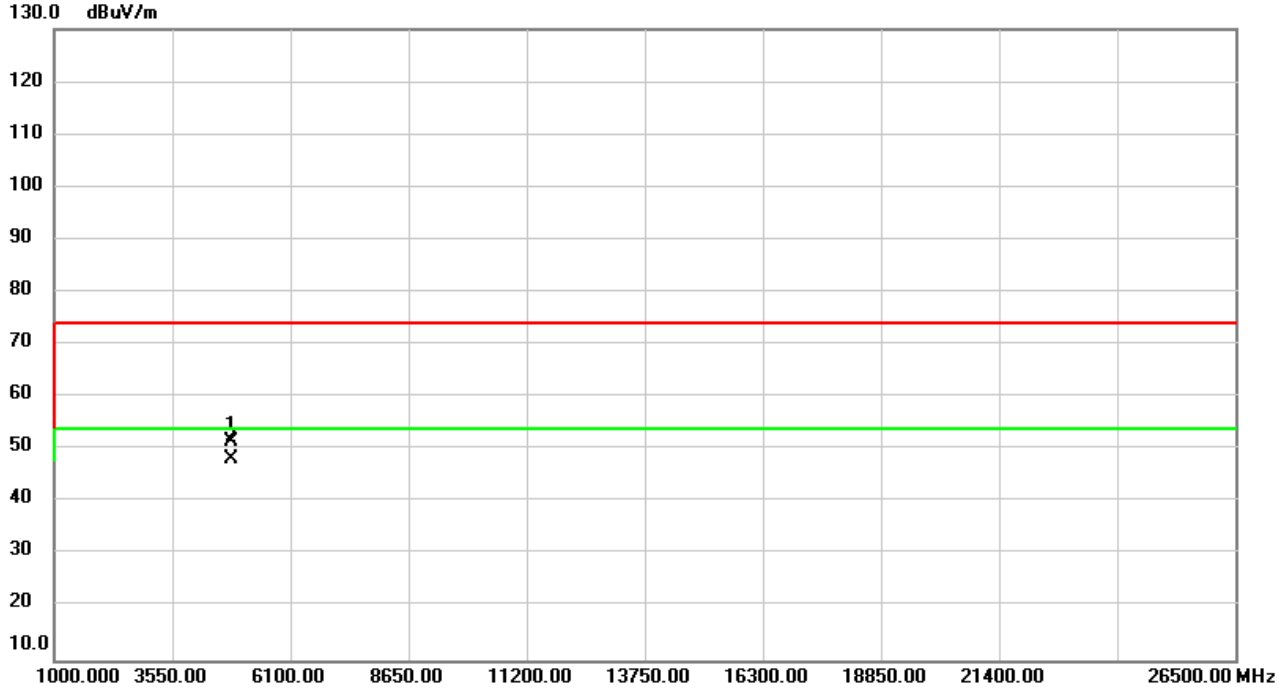
Test Mode	IEEE 802.11b	Test Date	2020/6/23
Test Frequency	2412	Polarization	Vertical
Temp	20°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	61.93	-9.93	52.00	74.00	-22.00	peak	
2	*	4824.000	59.00	-9.93	49.07	54.00	-4.93	AVG	

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

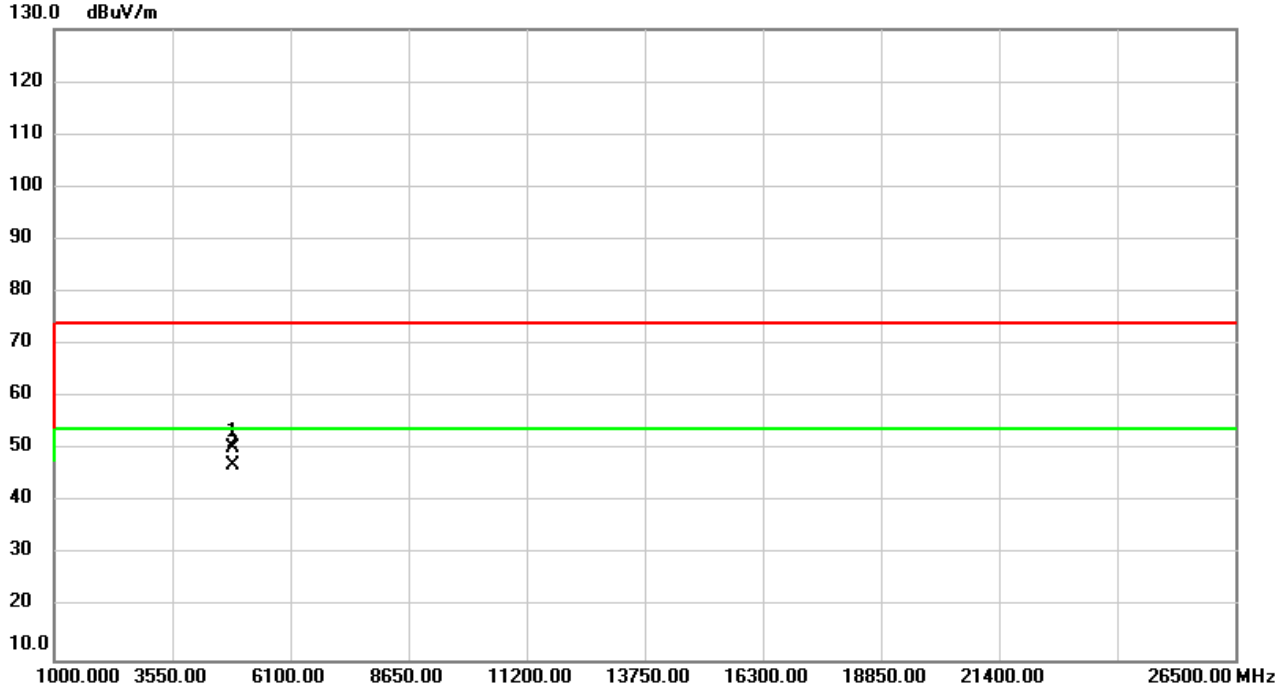
Test Mode	IEEE 802.11b	Test Date	2020/6/23
Test Frequency	2412	Polarization	Horizontal
Temp	20°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	61.59	-9.93	51.66	74.00	-22.34	peak	
2	*	4824.000	58.24	-9.93	48.31	54.00	-5.69	AVG	

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

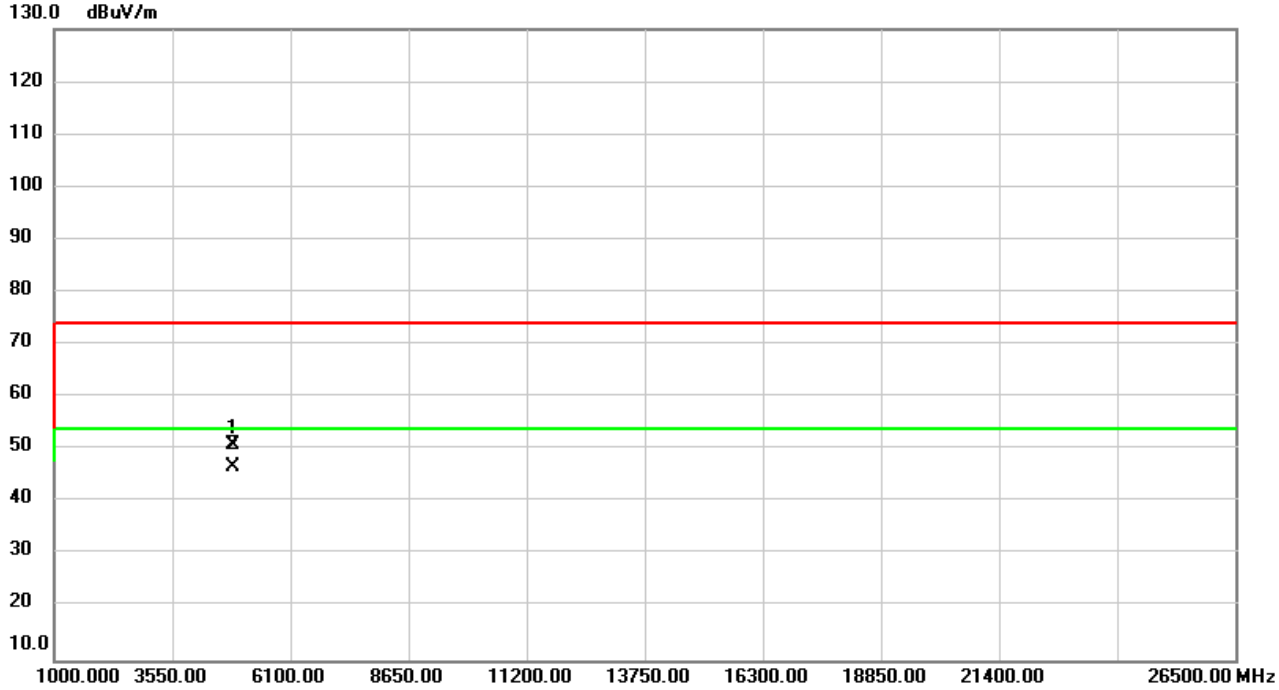
Test Mode	IEEE 802.11b	Test Date	2020/6/23
Test Frequency	2437	Polarization	Vertical
Temp	20°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	60.24	-9.74	50.50	74.00	-23.50	peak	
2	*	4874.000	56.70	-9.74	46.96	54.00	-7.04	AVG	

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

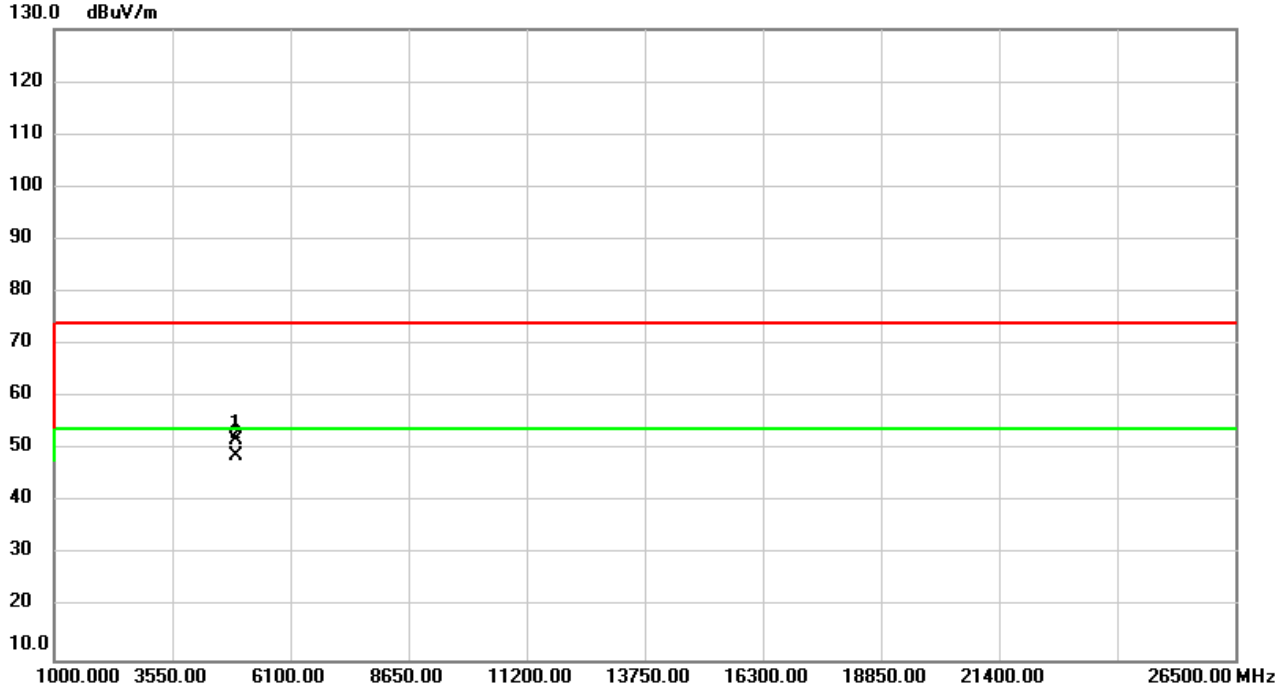
Test Mode	IEEE 802.11b	Test Date	2020/6/23
Test Frequency	2437	Polarization	Horizontal
Temp	20°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	60.68	-9.74	50.94	74.00	-23.06	peak	
2	*	4874.000	56.61	-9.74	46.87	54.00	-7.13	AVG	

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

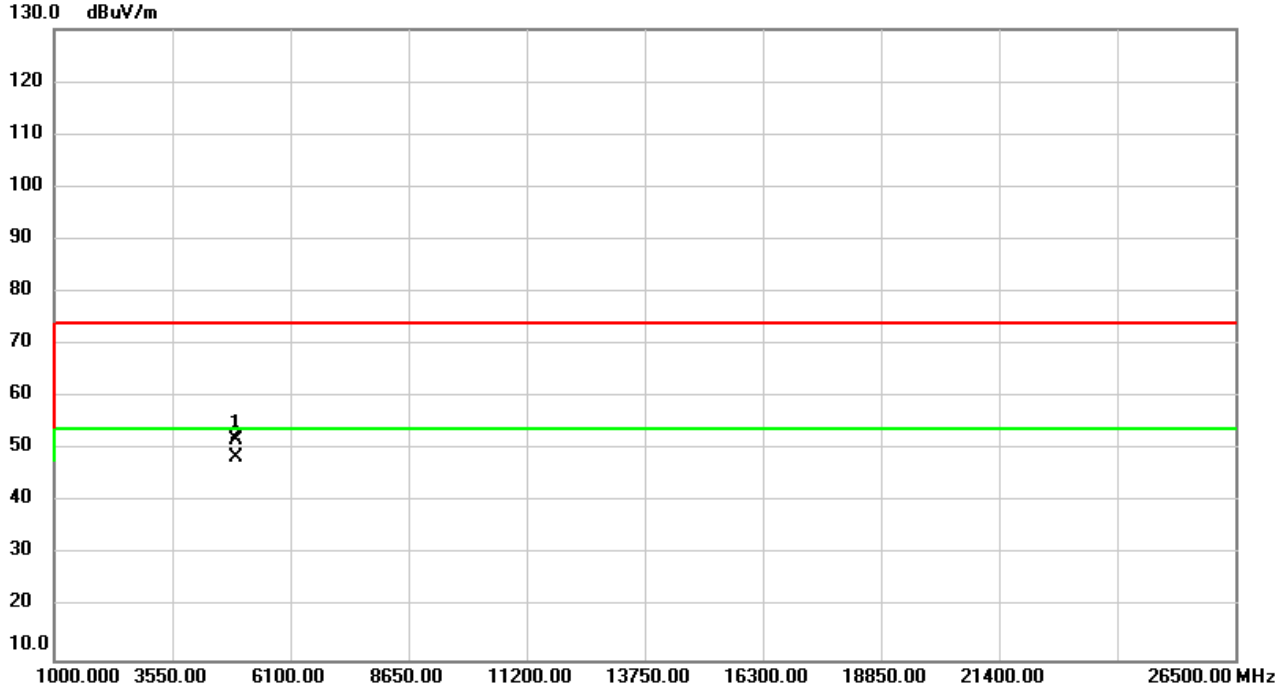
Test Mode	IEEE 802.11b	Test Date	2020/6/23
Test Frequency	2462	Polarization	Vertical
Temp	20°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	61.38	-9.55	51.83	74.00	-22.17	peak	
2	*	4924.000	58.53	-9.55	48.98	54.00	-5.02	AVG	

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

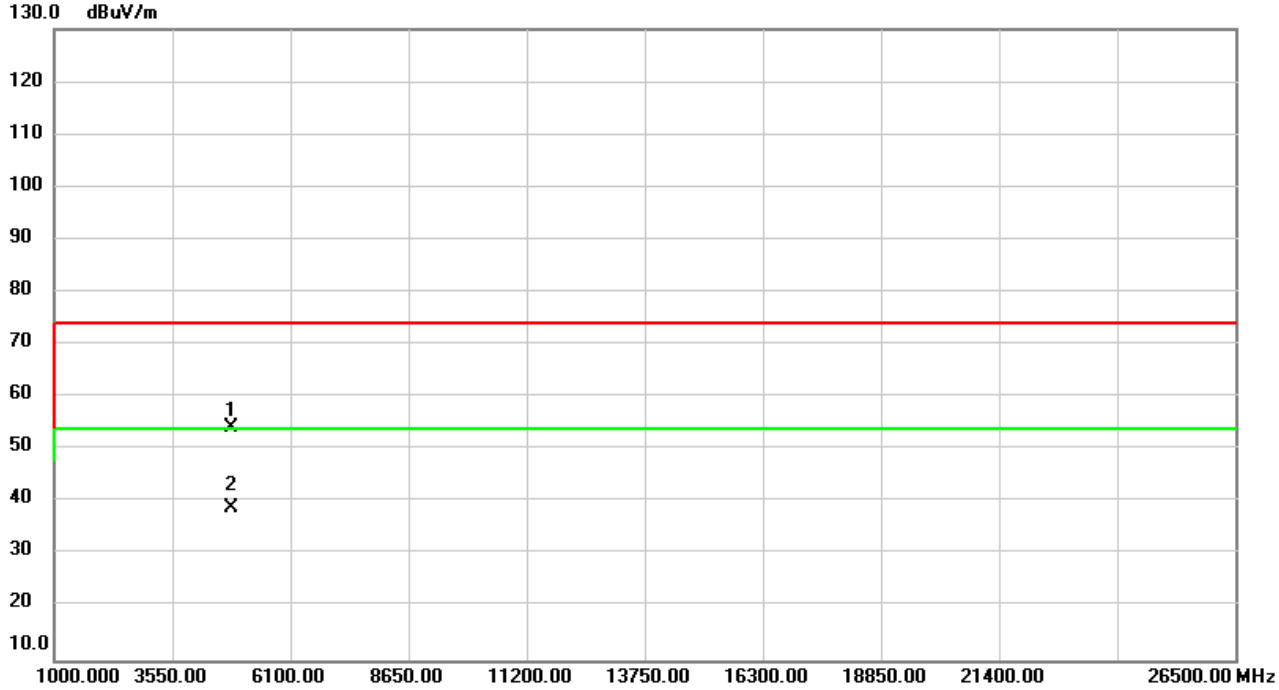
Test Mode	IEEE 802.11b	Test Date	2020/6/23
Test Frequency	2462	Polarization	Horizontal
Temp	20°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	61.52	-9.55	51.97	74.00	-22.03	peak	
2	*	4924.000	58.02	-9.55	48.47	54.00	-5.53	AVG	

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

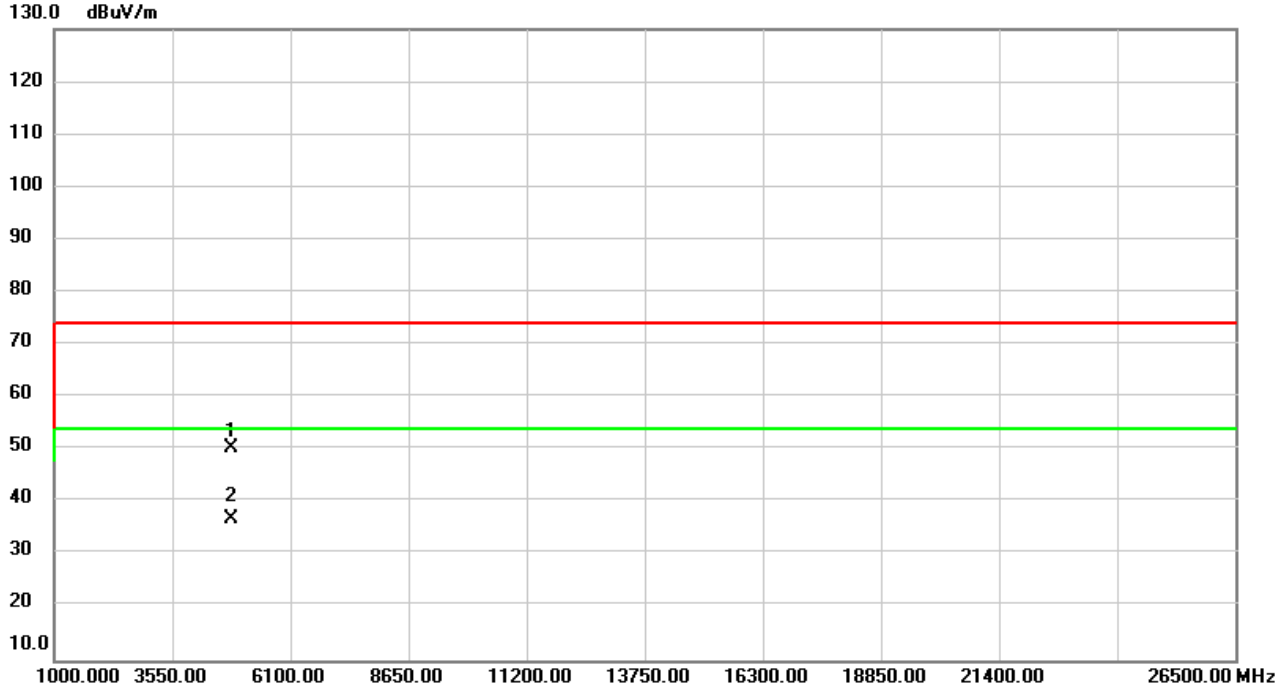
Test Mode	IEEE 802.11g	Test Date	2020/6/23
Test Frequency	2412	Polarization	Vertical
Temp	20°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	64.23	-9.93	54.30	74.00	-19.70	peak	
2	*	4824.000	48.77	-9.93	38.84	54.00	-15.16	AVG	

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

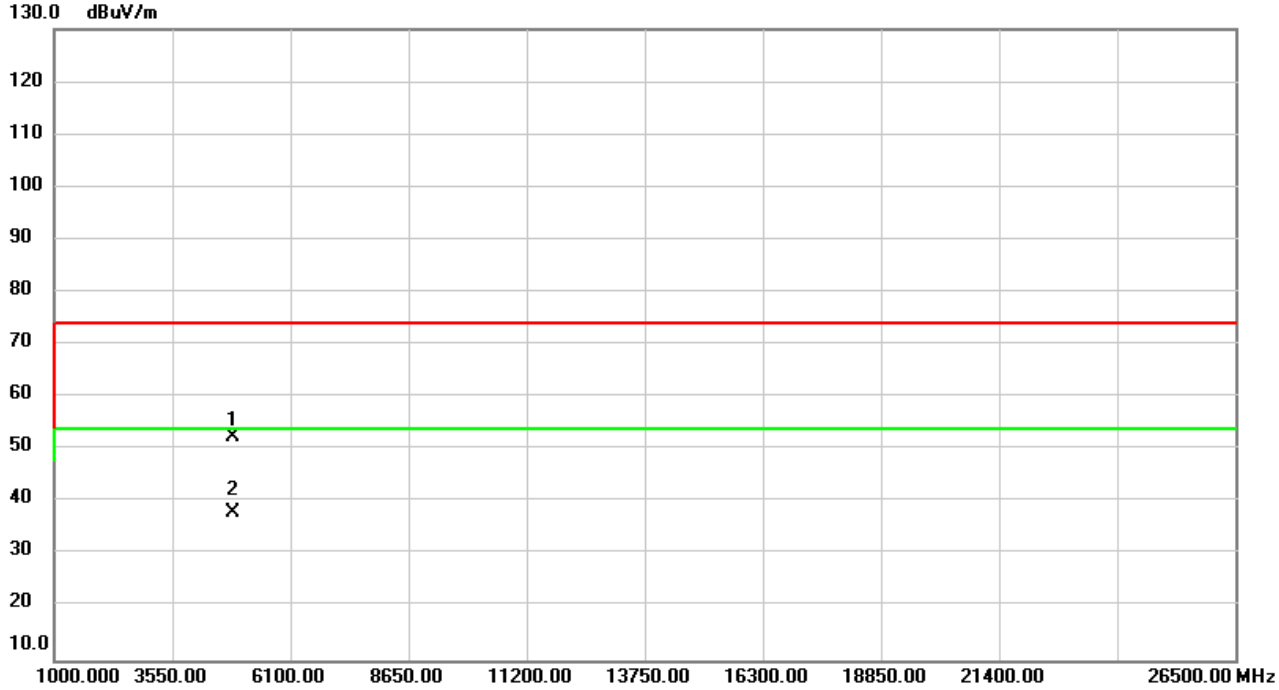
Test Mode	IEEE 802.11g	Test Date	2020/6/23
Test Frequency	2412	Polarization	Horizontal
Temp	20°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	60.14	-9.93	50.21	74.00	-23.79	peak	
2	*	4824.000	46.88	-9.93	36.95	54.00	-17.05	AVG	

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

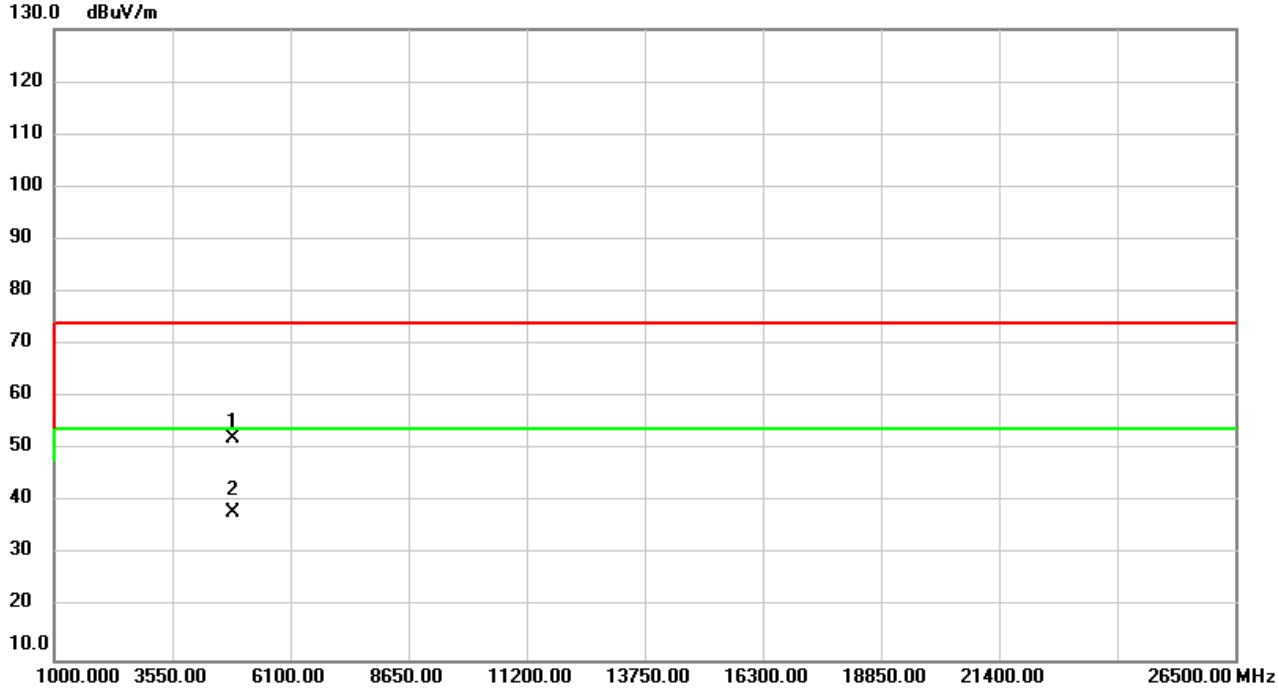
Test Mode	IEEE 802.11g	Test Date	2020/6/23
Test Frequency	2437	Polarization	Vertical
Temp	20°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	62.29	-9.74	52.55	74.00	-21.45	peak	
2	*	4874.000	47.83	-9.74	38.09	54.00	-15.91	AVG	

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

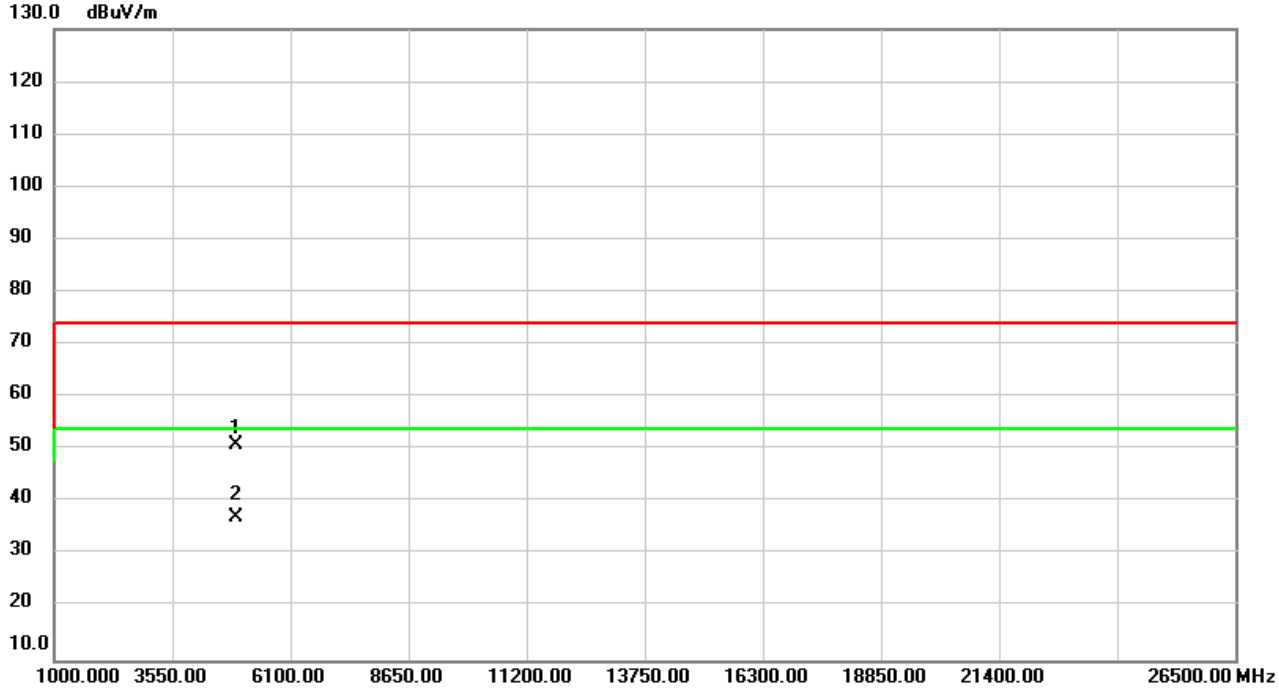
Test Mode	IEEE 802.11g	Test Date	2020/6/23
Test Frequency	2437	Polarization	Horizontal
Temp	20°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	62.00	-9.74	52.26	74.00	-21.74	peak	
2	*	4874.000	47.73	-9.74	37.99	54.00	-16.01	AVG	

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

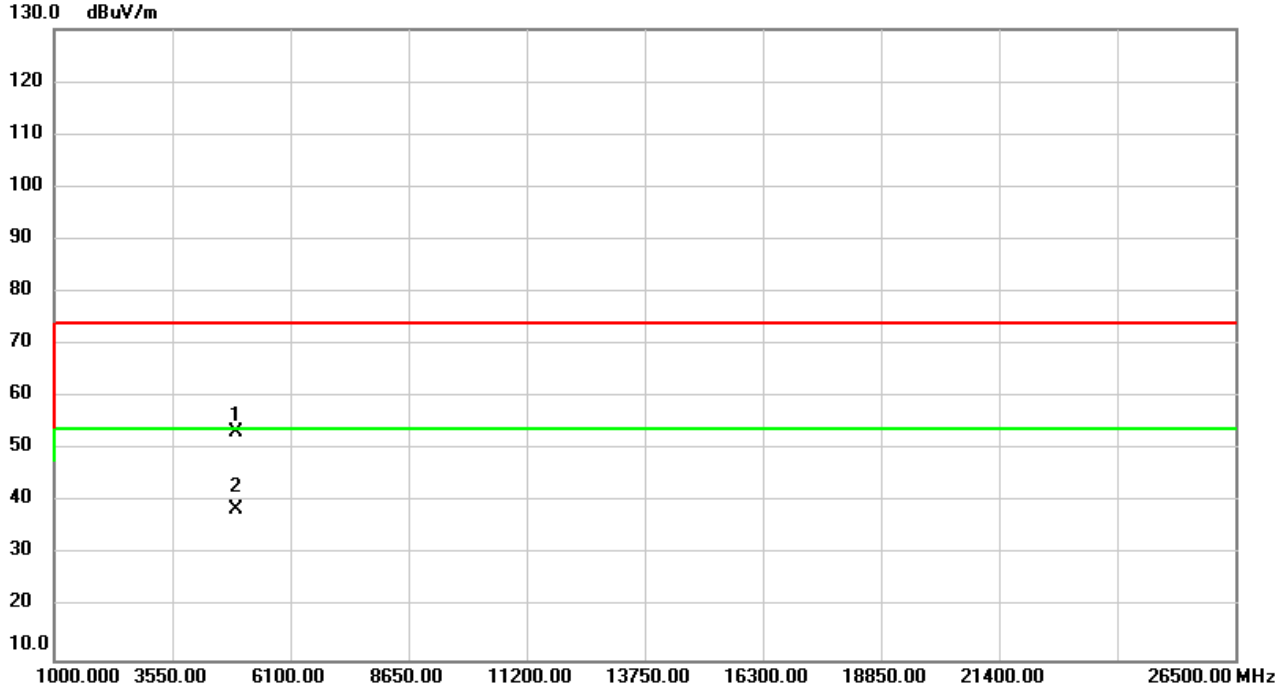
Test Mode	IEEE 802.11g	Test Date	2020/6/23
Test Frequency	2462	Polarization	Vertical
Temp	20°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	60.42	-9.55	50.87	74.00	-23.13	peak	
2	*	4924.000	46.63	-9.55	37.08	54.00	-16.92	AVG	

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

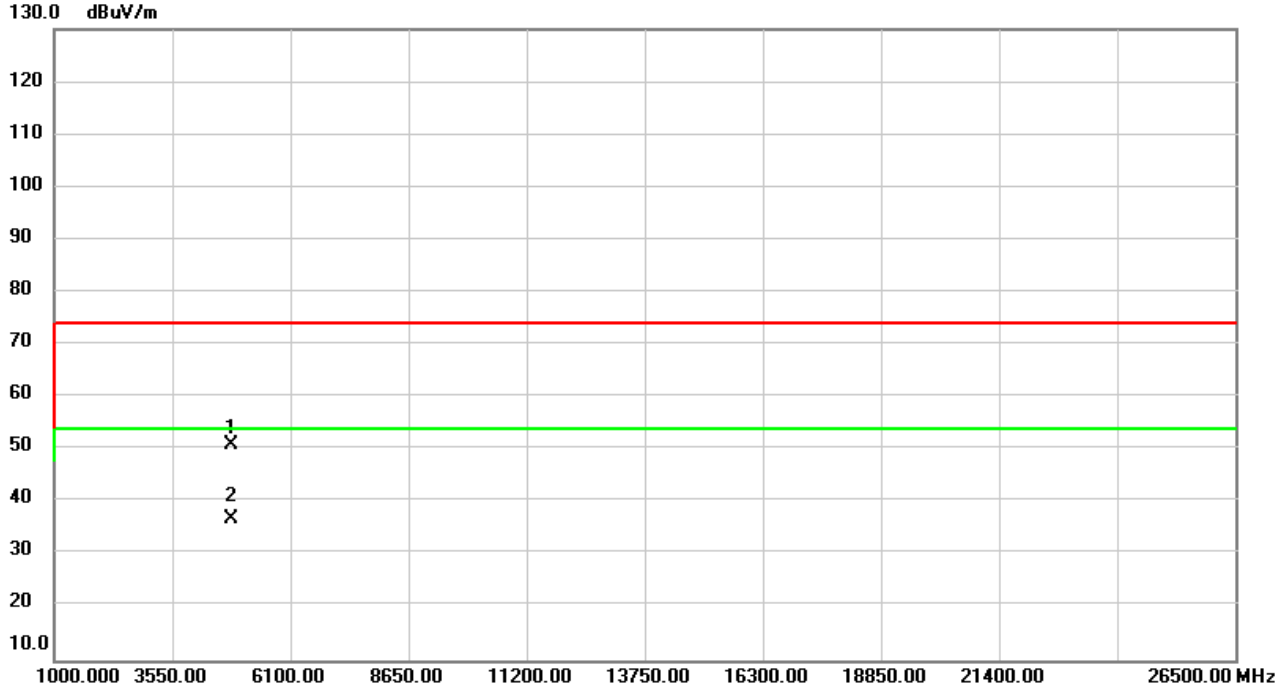
Test Mode	IEEE 802.11g	Test Date	2020/6/23
Test Frequency	2462	Polarization	Horizontal
Temp	20°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	63.02	-9.55	53.47	74.00	-20.53	peak	
2	*	4924.000	48.25	-9.55	38.70	54.00	-15.30	AVG	

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

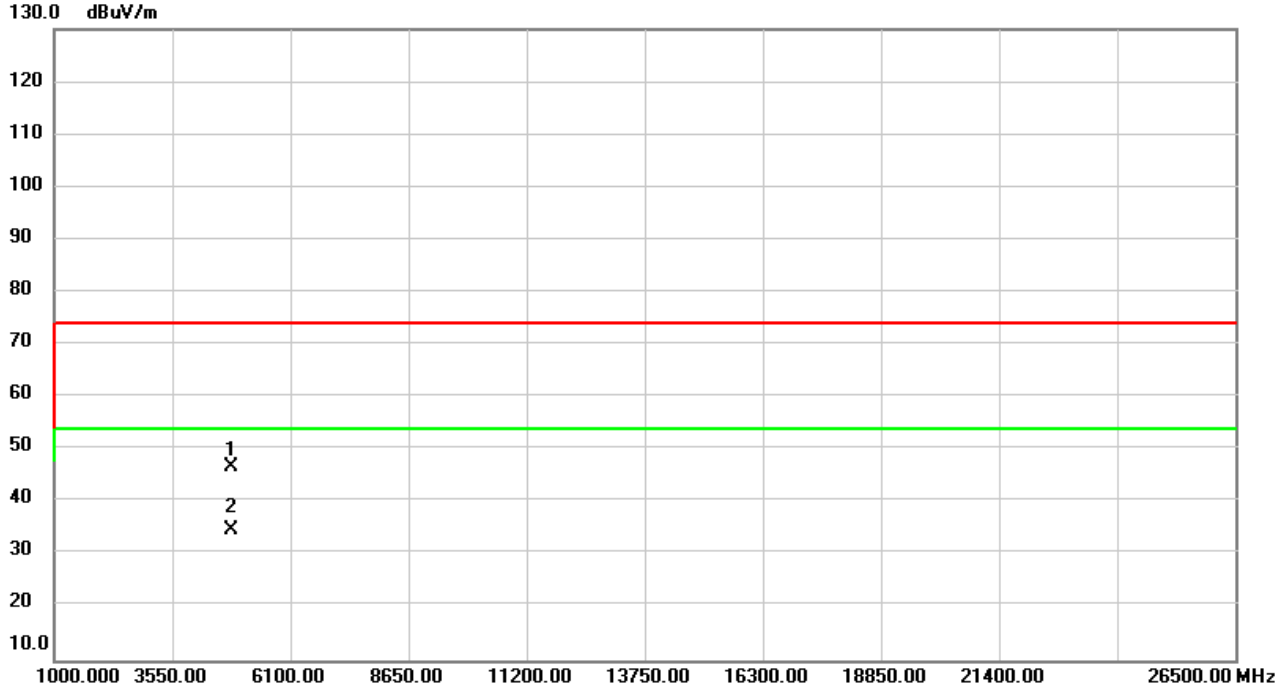
Test Mode	IEEE 802.11ac (VHT20)	Test Date	2020/6/23
Test Frequency	2412	Polarization	Vertical
Temp	20°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	60.75	-9.93	50.82	74.00	-23.18	peak	
2	*	4824.000	46.88	-9.93	36.95	54.00	-17.05	AVG	

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

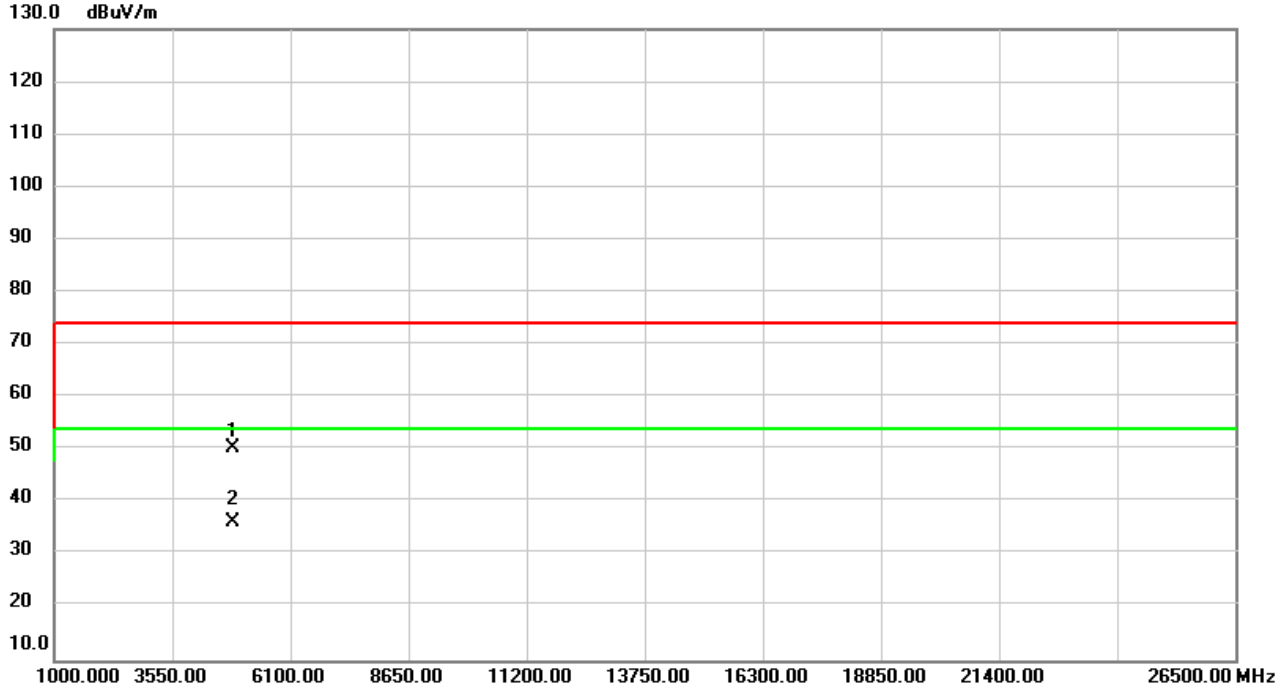
Test Mode	IEEE 802.11ac (VHT20)	Test Date	2020/6/23
Test Frequency	2412	Polarization	Horizontal
Temp	20°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	56.64	-9.93	46.71	74.00	-27.29	peak	
2	*	4824.000	44.73	-9.93	34.80	54.00	-19.20	AVG	

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

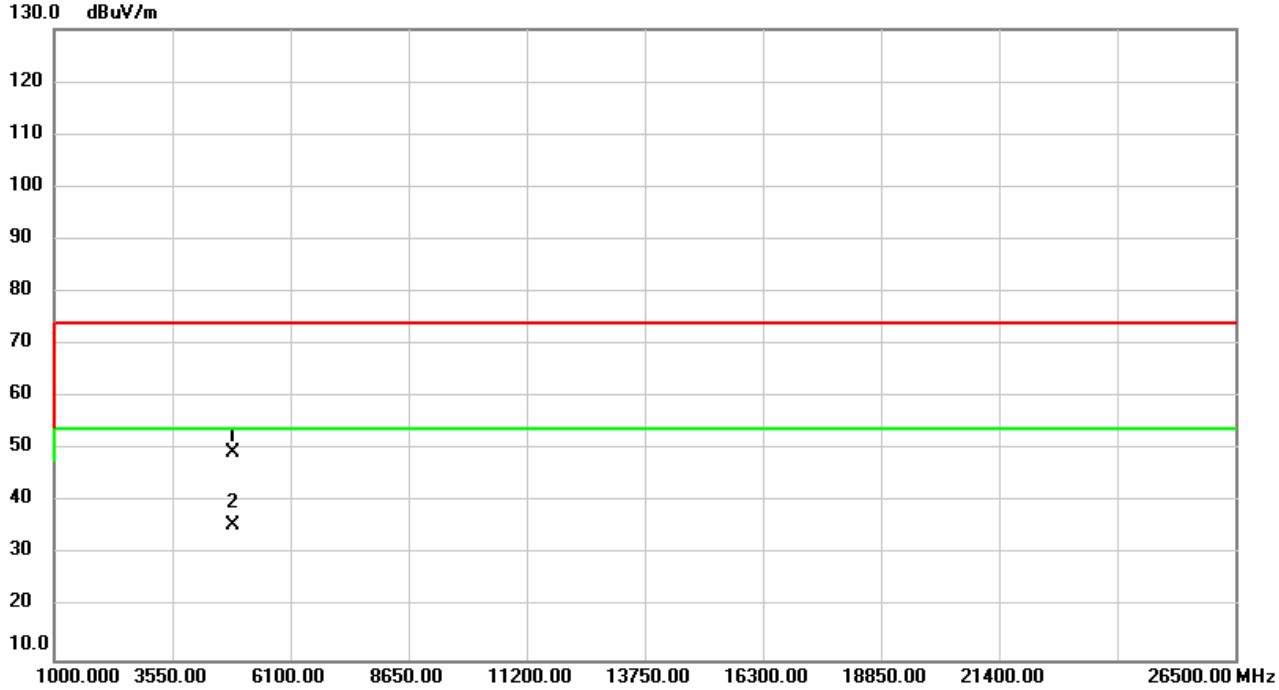
Test Mode	IEEE 802.11ac (VHT20)	Test Date	2020/6/23
Test Frequency	2437	Polarization	Vertical
Temp	20°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	60.01	-9.74	50.27	74.00	-23.73	peak	
2	*	4874.000	45.86	-9.74	36.12	54.00	-17.88	AVG	

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

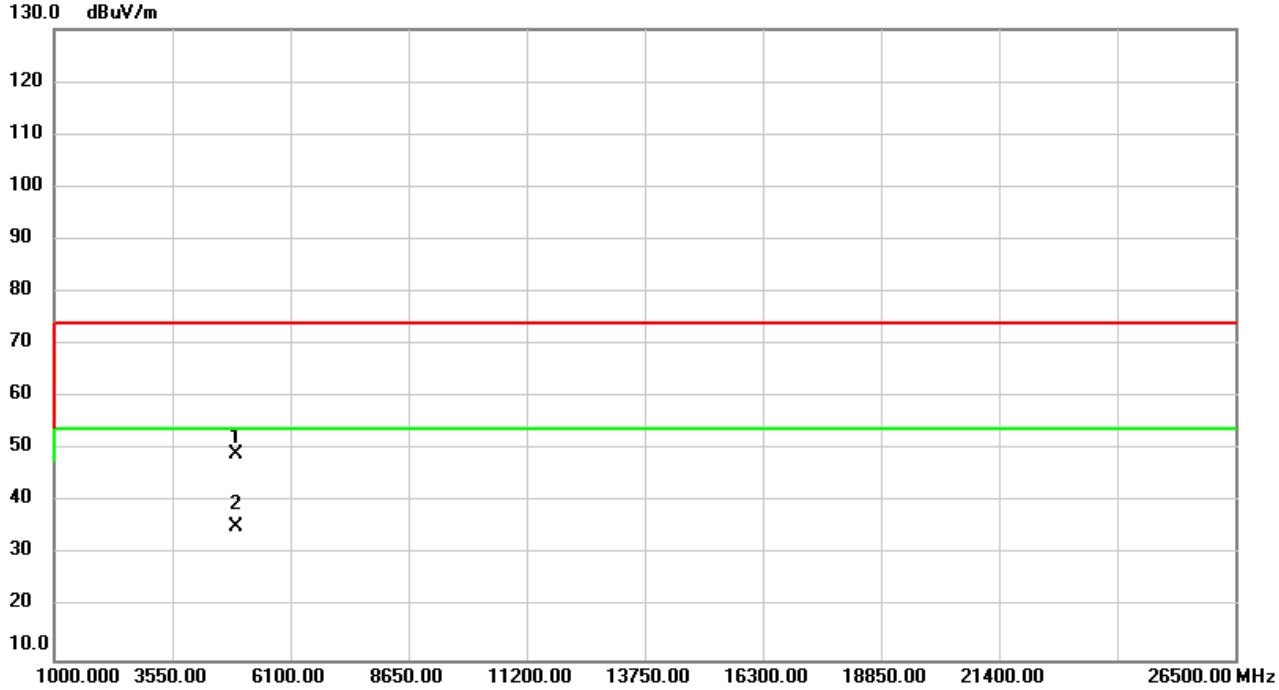
Test Mode	IEEE 802.11ac (VHT20)	Test Date	2020/6/23
Test Frequency	2437	Polarization	Horizontal
Temp	20°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	59.28	-9.74	49.54	74.00	-24.46	peak	
2	*	4874.000	45.35	-9.74	35.61	54.00	-18.39	AVG	

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

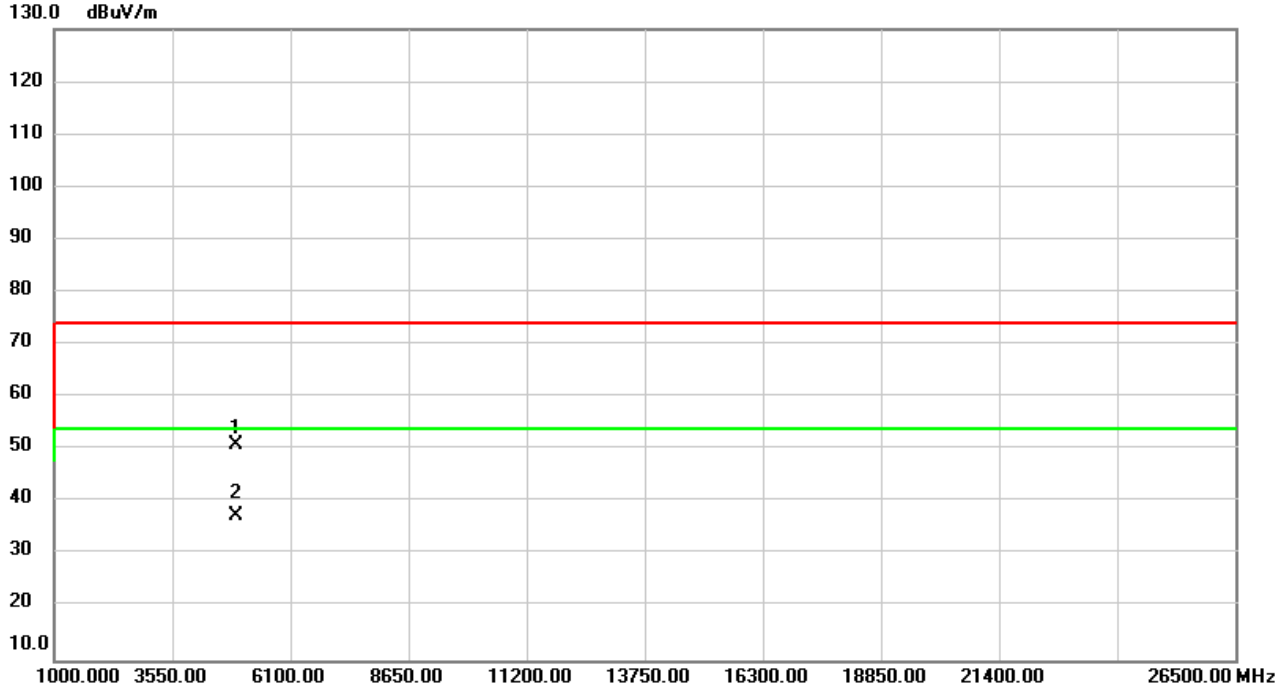
Test Mode	IEEE 802.11ac (VHT20)	Test Date	2020/6/23
Test Frequency	2462	Polarization	Vertical
Temp	20°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	58.60	-9.55	49.05	74.00	-24.95	peak	
2	*	4924.000	45.01	-9.55	35.46	54.00	-18.54	AVG	

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

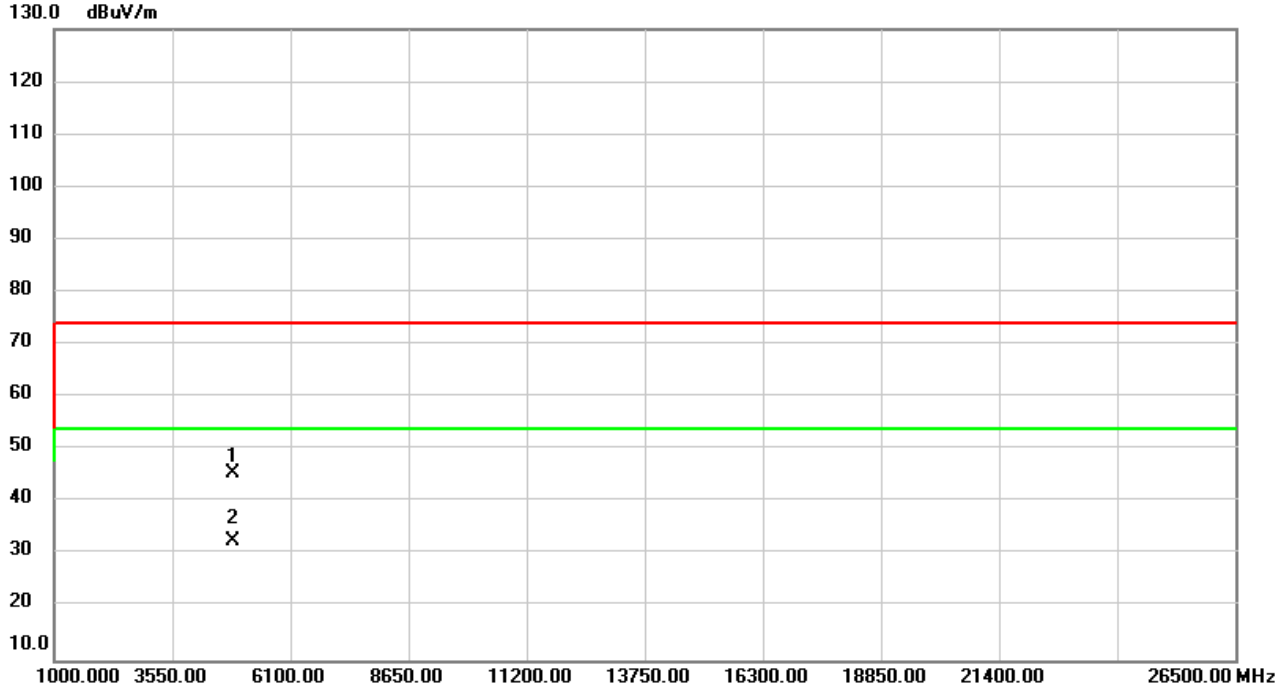
Test Mode	IEEE 802.11ac (VHT20)	Test Date	2020/6/23
Test Frequency	2462	Polarization	Horizontal
Temp	20°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	60.61	-9.55	51.06	74.00	-22.94	peak	
2	*	4924.000	47.10	-9.55	37.55	54.00	-16.45	AVG	

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

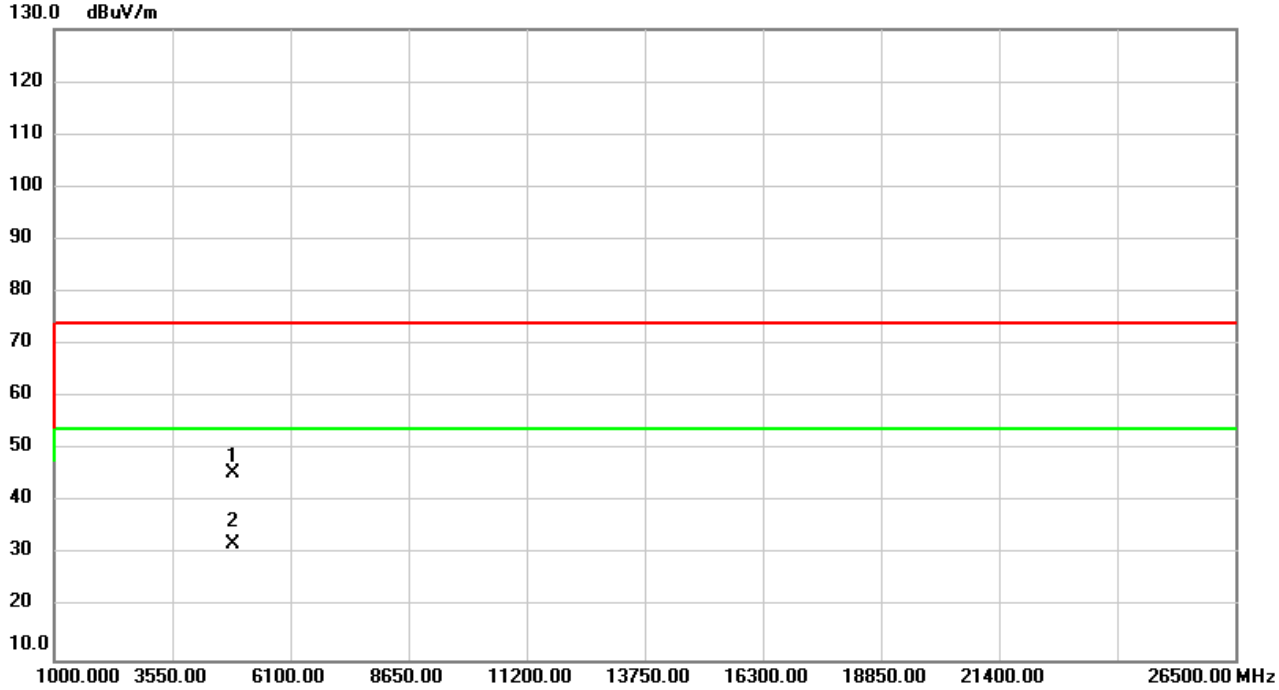
Test Mode	IEEE 802.11ac (VHT40)	Test Date	2020/6/23
Test Frequency	2422	Polarization	Vertical
Temp	20°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4844.000	55.43	-9.85	45.58	74.00	-28.42	peak	
2	*	4844.000	42.40	-9.85	32.55	54.00	-21.45	AVG	

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

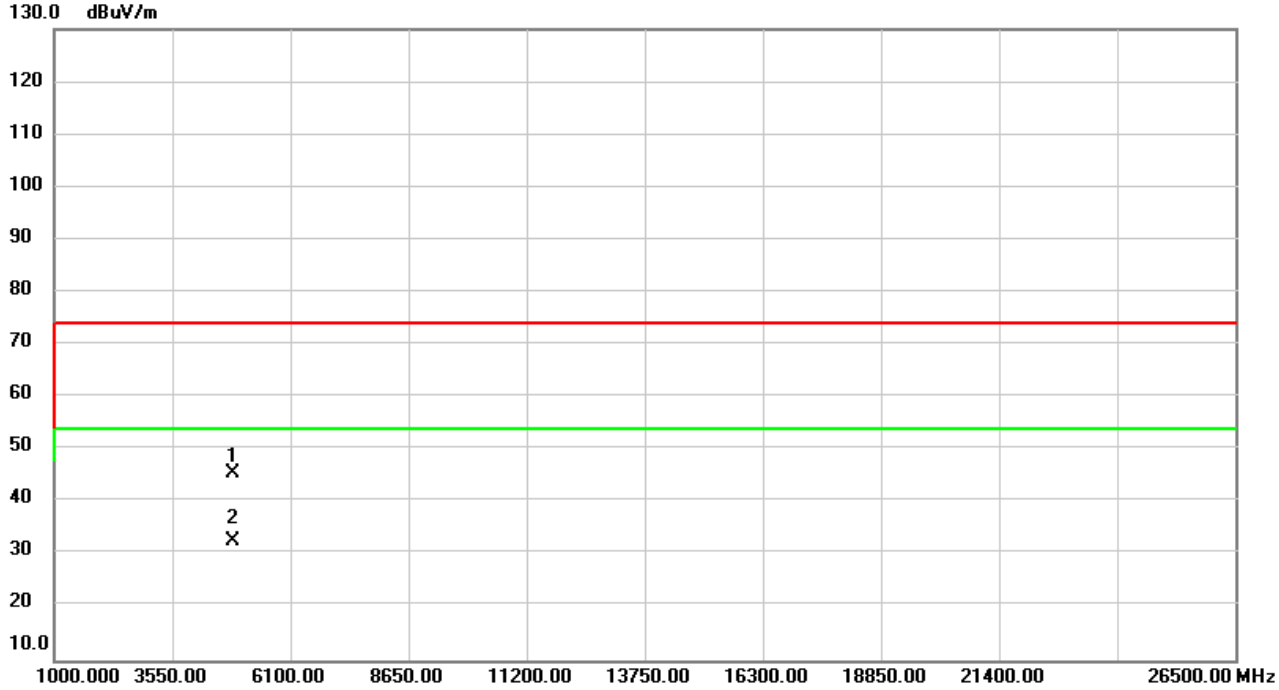
Test Mode	IEEE 802.11ac (VHT40)	Test Date	2020/6/23
Test Frequency	2422	Polarization	Horizontal
Temp	20°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4844.000	55.42	-9.85	45.57	74.00	-28.43	peak	
2	*	4844.000	42.02	-9.85	32.17	54.00	-21.83	AVG	

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

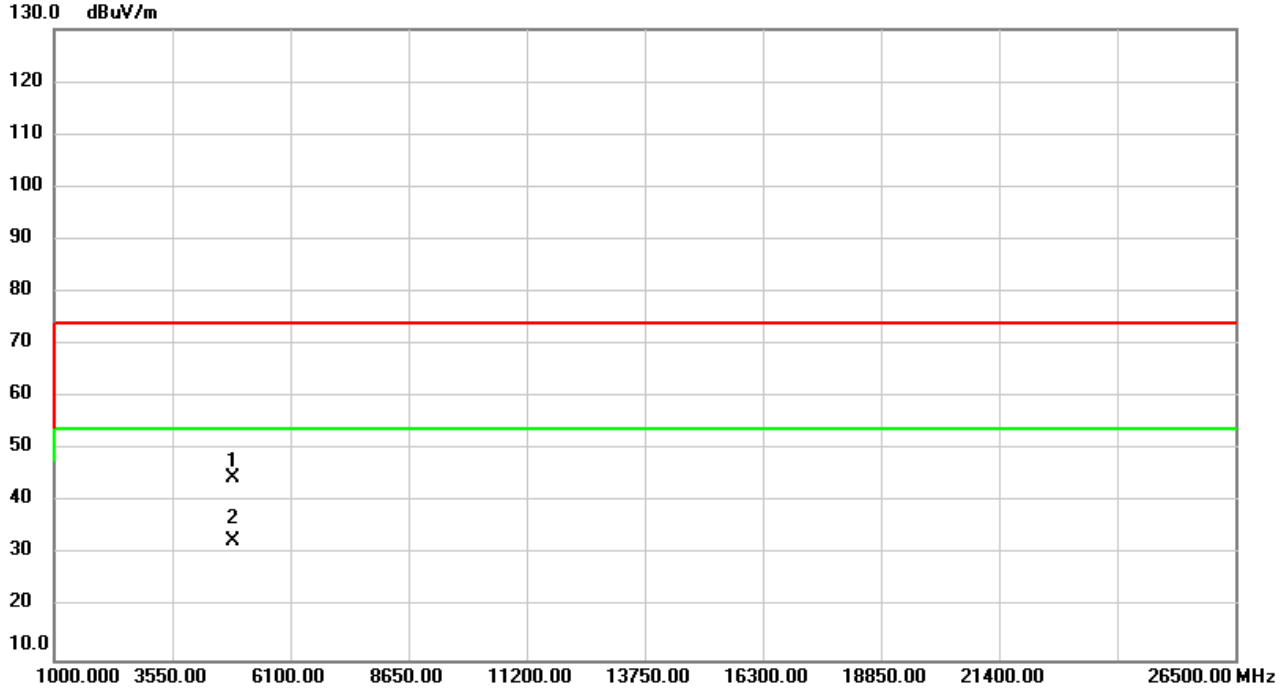
Test Mode	IEEE 802.11ac (VHT40)	Test Date	2020/6/23
Test Frequency	2437	Polarization	Vertical
Temp	20°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	55.20	-9.74	45.46	74.00	-28.54	peak	
2	*	4874.000	42.53	-9.74	32.79	54.00	-21.21	AVG	

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

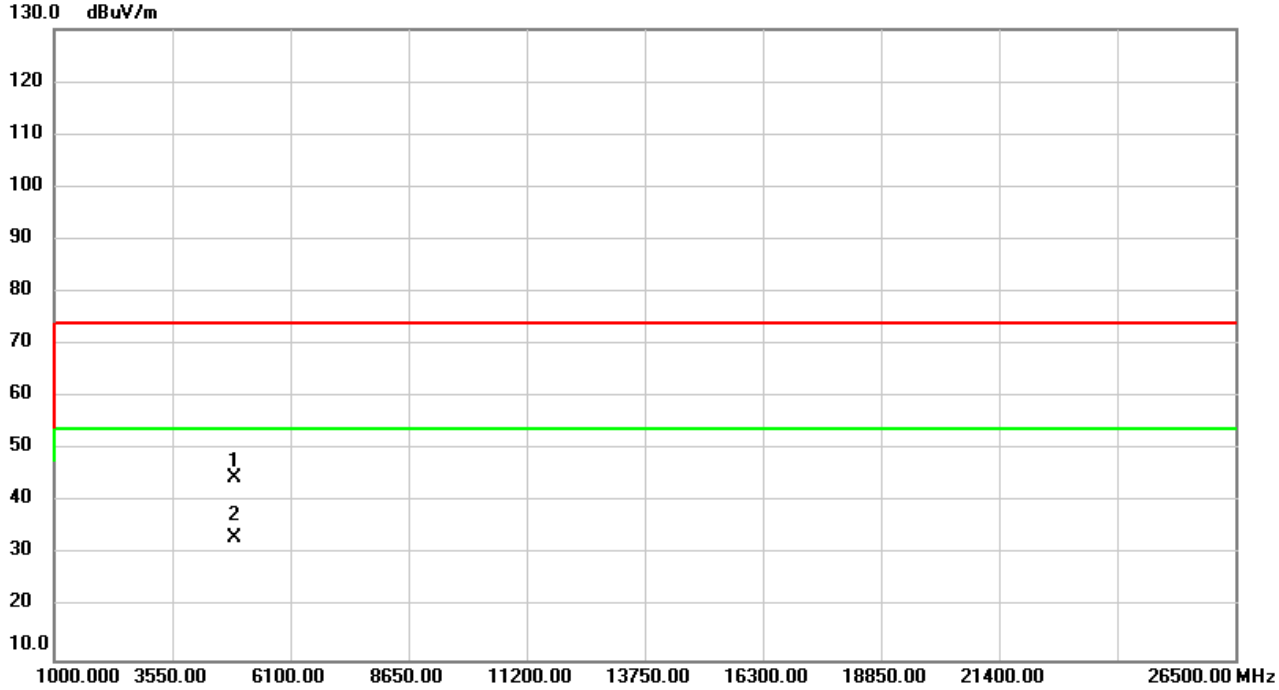
Test Mode	IEEE 802.11ac (VHT40)	Test Date	2020/6/23
Test Frequency	2437	Polarization	Horizontal
Temp	20°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	54.25	-9.74	44.51	74.00	-29.49	peak	
2	*	4874.000	42.37	-9.74	32.63	54.00	-21.37	AVG	

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

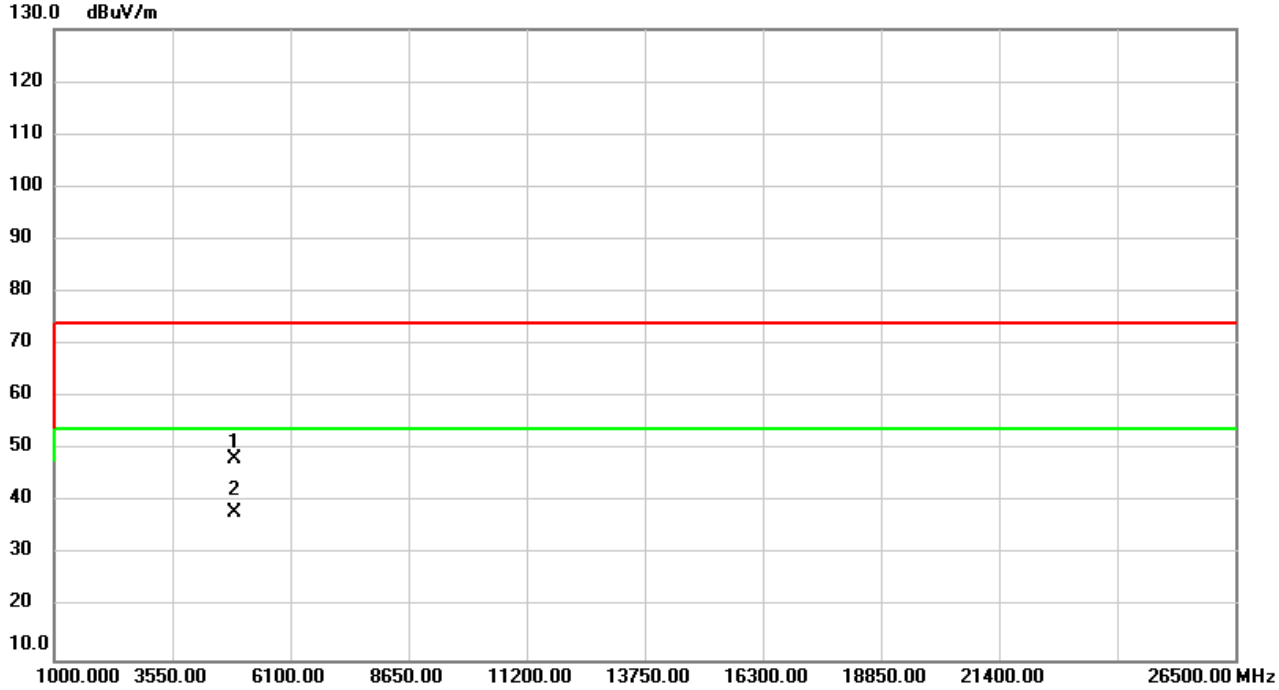
Test Mode	IEEE 802.11ac (VHT40)	Test Date	2020/6/23
Test Frequency	2452	Polarization	Vertical
Temp	20°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4904.000	54.20	-9.63	44.57	74.00	-29.43	peak	
2	*	4904.000	42.85	-9.63	33.22	54.00	-20.78	AVG	

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

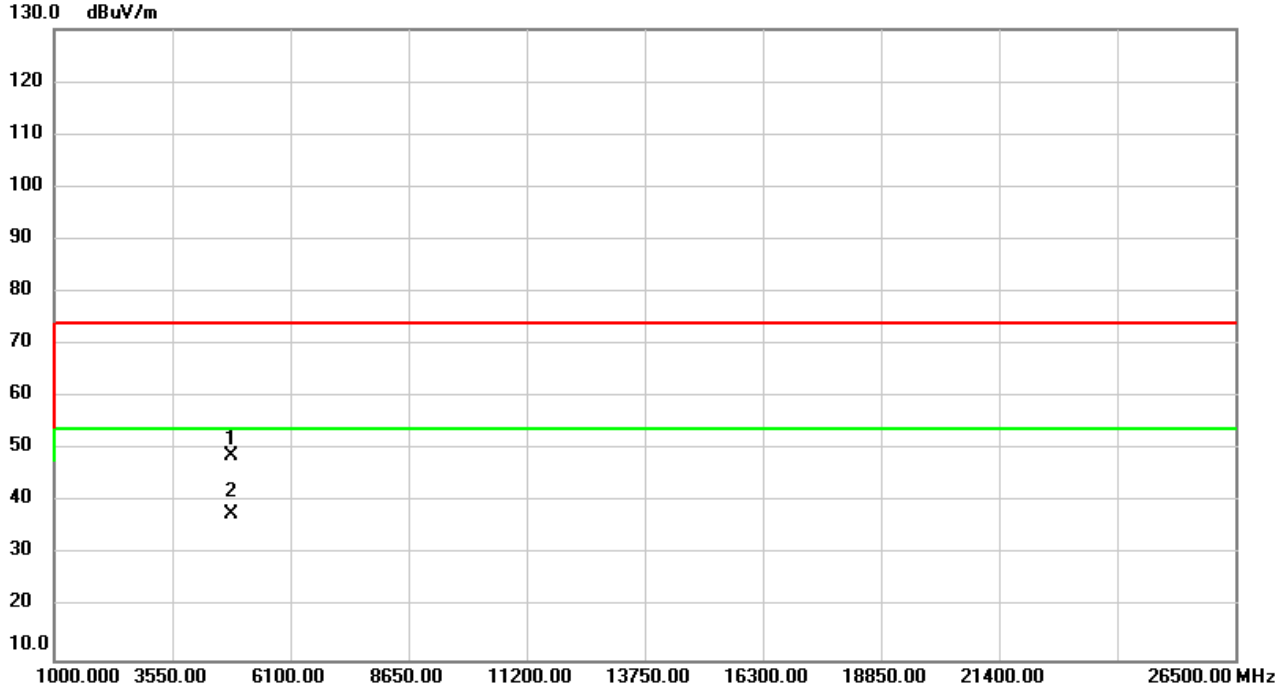
Test Mode	IEEE 802.11ac (VHT40)	Test Date	2020/6/23
Test Frequency	2452	Polarization	Horizontal
Temp	20°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4904.000	57.83	-9.63	48.20	74.00	-25.80	peak	
2	*	4904.000	47.62	-9.63	37.99	54.00	-16.01	AVG	

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

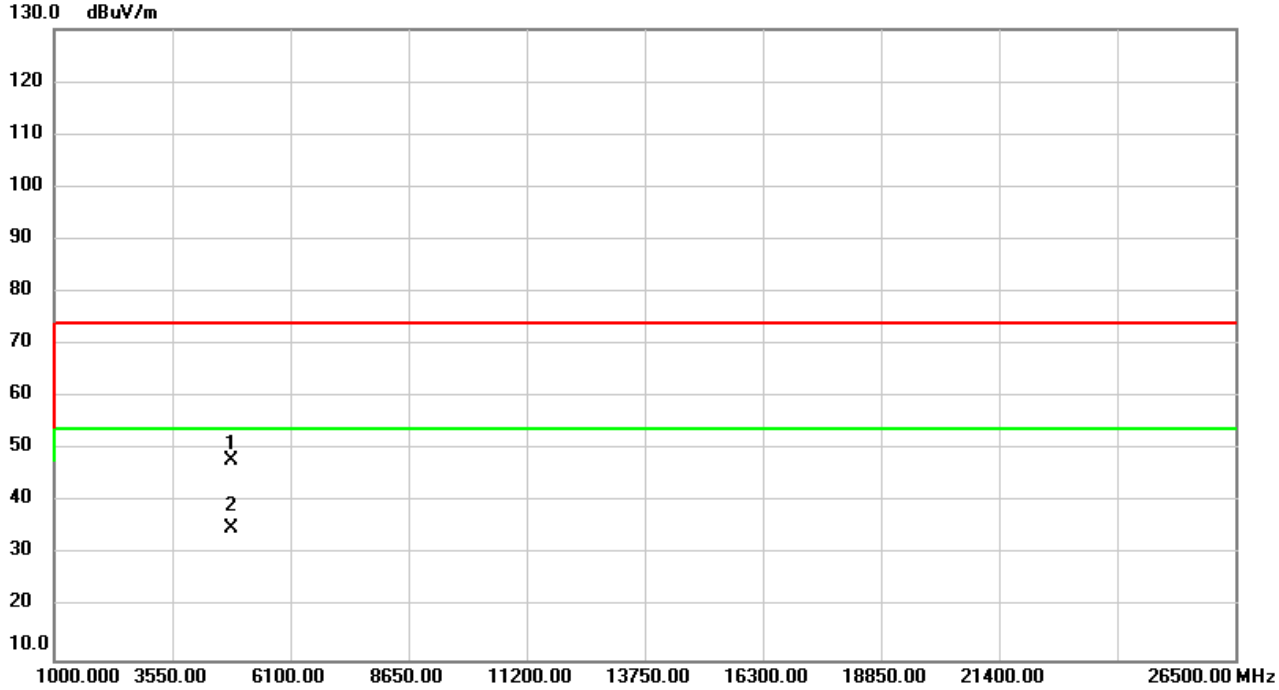
Test Mode	IEEE 802.11ax (HEW20)	Test Date	2020/6/23
Test Frequency	2412	Polarization	Vertical
Temp	20°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	58.93	-9.93	49.00	74.00	-25.00	peak	
2	*	4824.000	47.57	-9.93	37.64	54.00	-16.36	AVG	

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

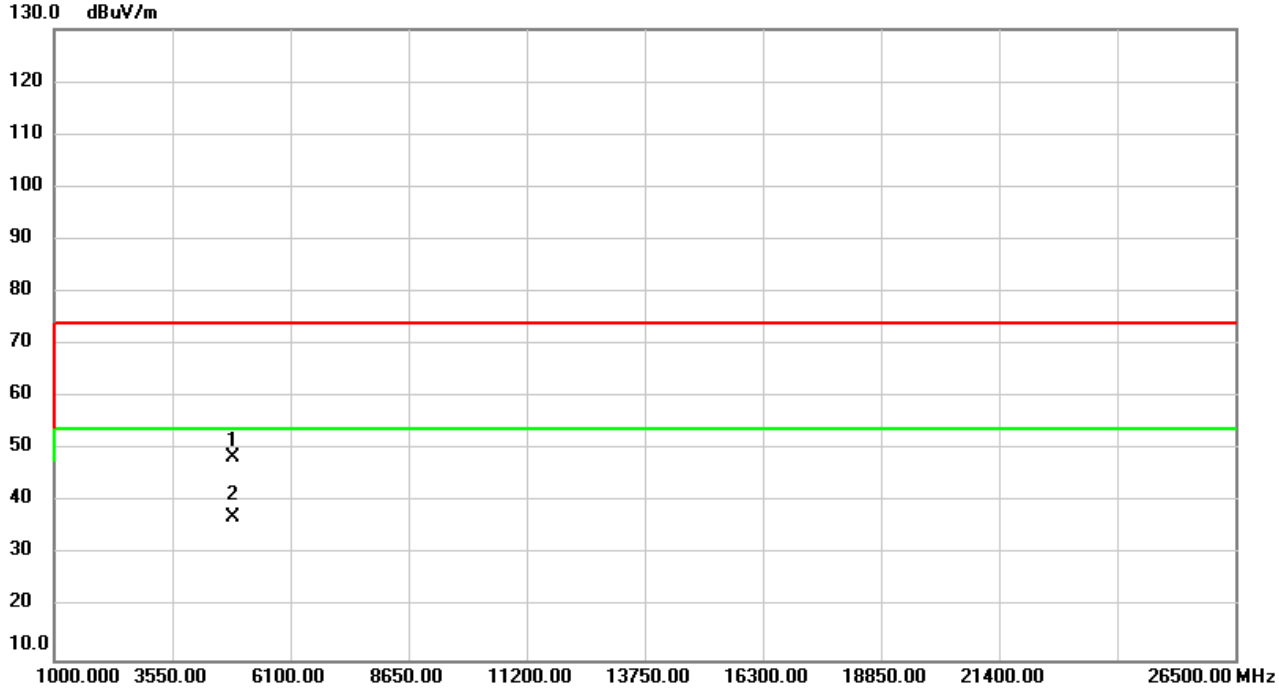
Test Mode	IEEE 802.11ax (HEW20)	Test Date	2020/6/23
Test Frequency	2412	Polarization	Horizontal
Temp	20°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	57.85	-9.93	47.92	74.00	-26.08	peak	
2	*	4824.000	45.03	-9.93	35.10	54.00	-18.90	AVG	

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

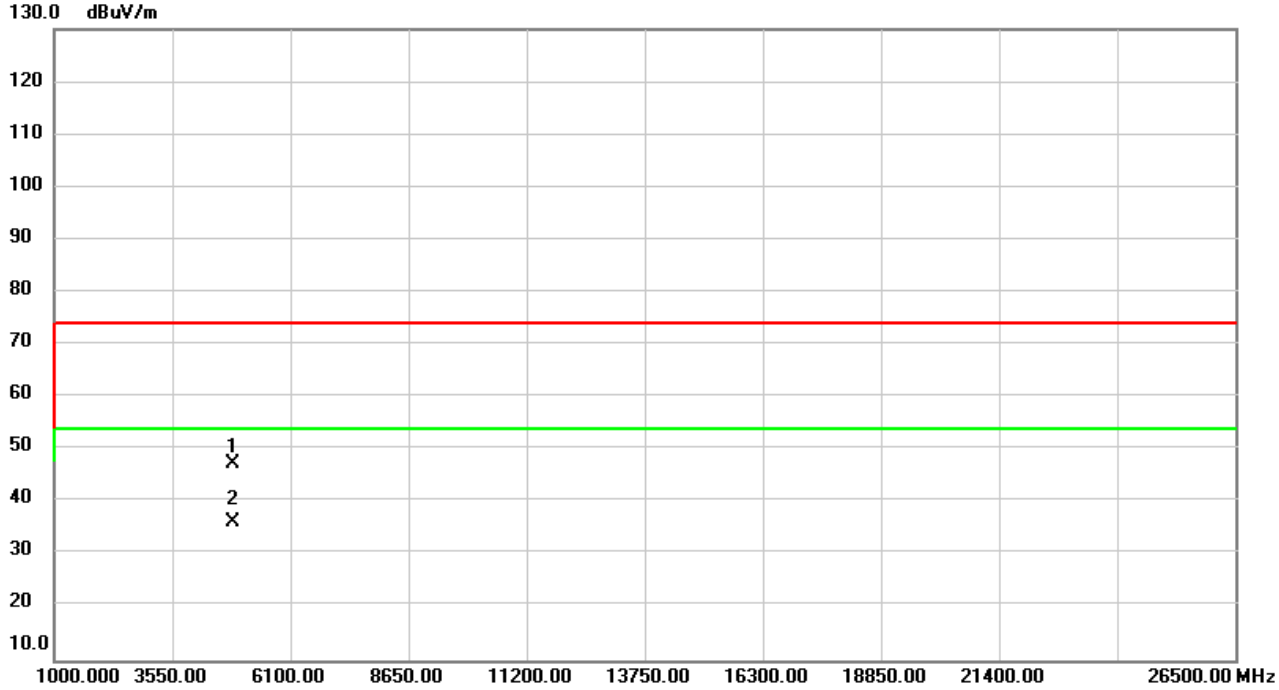
Test Mode	IEEE 802.11ax (HEW20)	Test Date	2020/6/23
Test Frequency	2437	Polarization	Vertical
Temp	20°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	58.42	-9.74	48.68	74.00	-25.32	peak	
2	*	4874.000	46.98	-9.74	37.24	54.00	-16.76	AVG	

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

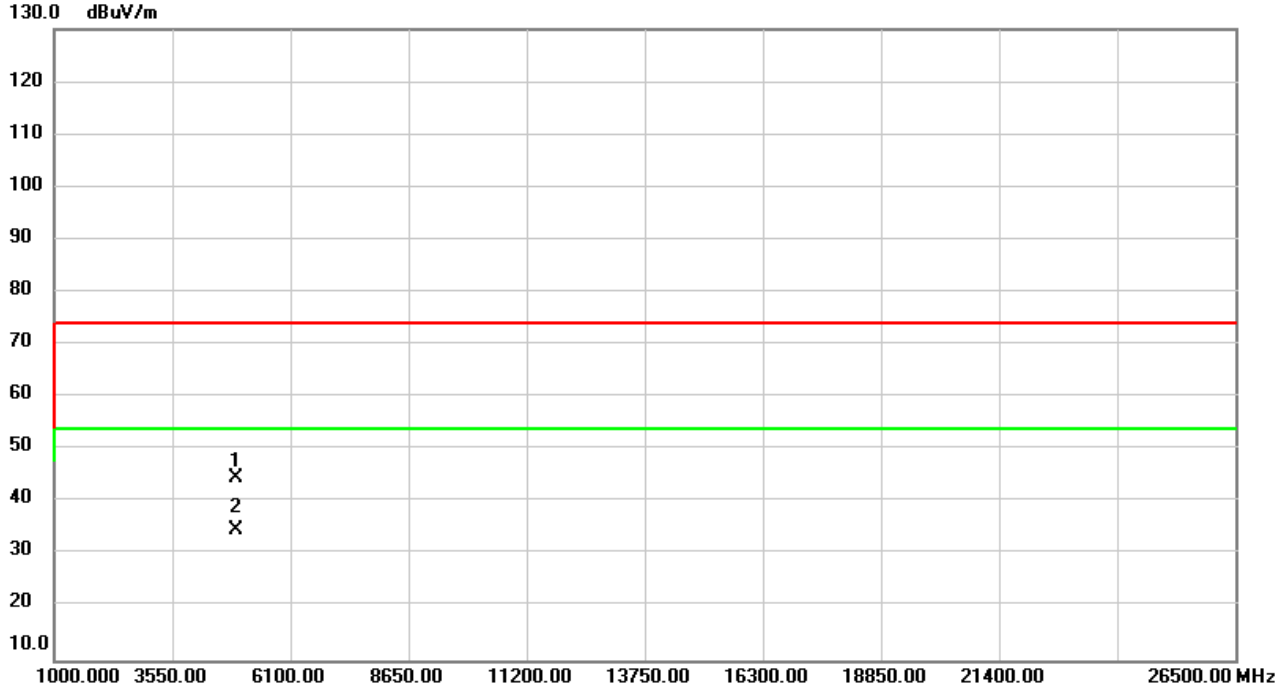
Test Mode	IEEE 802.11ax (HEW20)	Test Date	2020/6/23
Test Frequency	2437	Polarization	Horizontal
Temp	20°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	56.96	-9.74	47.22	74.00	-26.78	peak	
2	*	4874.000	45.89	-9.74	36.15	54.00	-17.85	AVG	

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

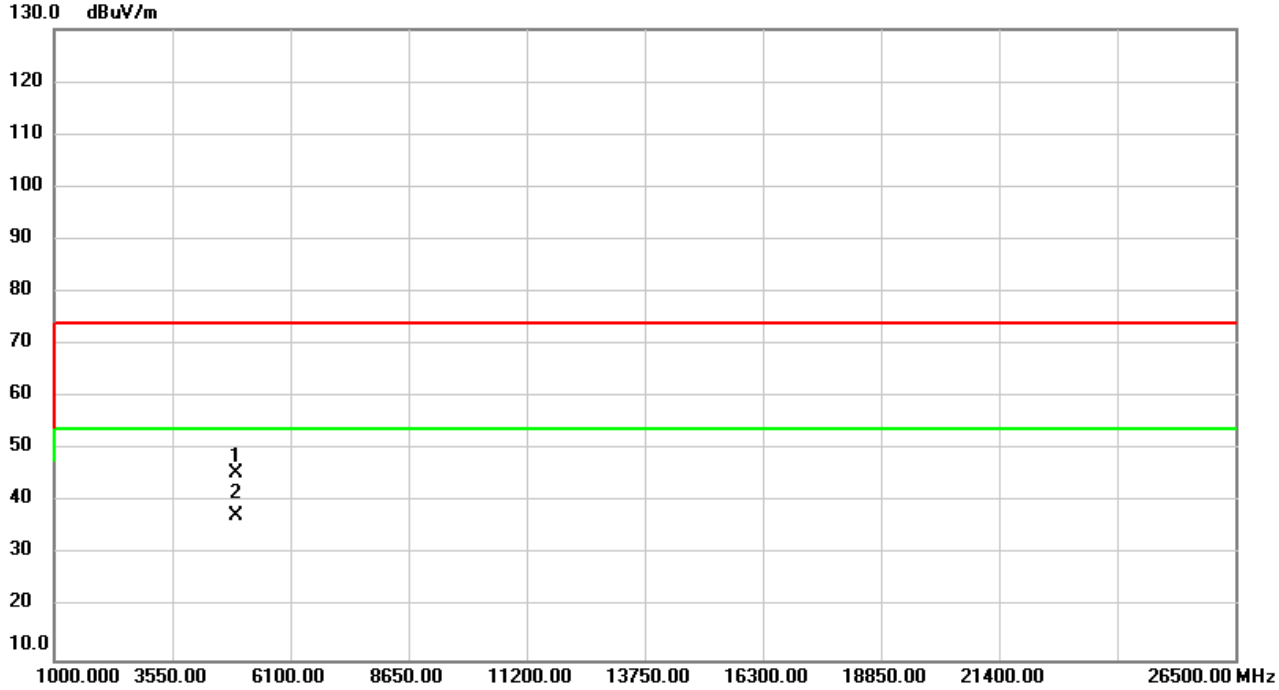
Test Mode	IEEE 802.11ax (HEW20)	Test Date	2020/6/23
Test Frequency	2462	Polarization	Vertical
Temp	20°C	Hum.	53%



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	-9.55	44.80	74.00	-29.20	peak	
2	*	4924.000	44.21	-9.55	34.66	54.00	-19.34	AVG	

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

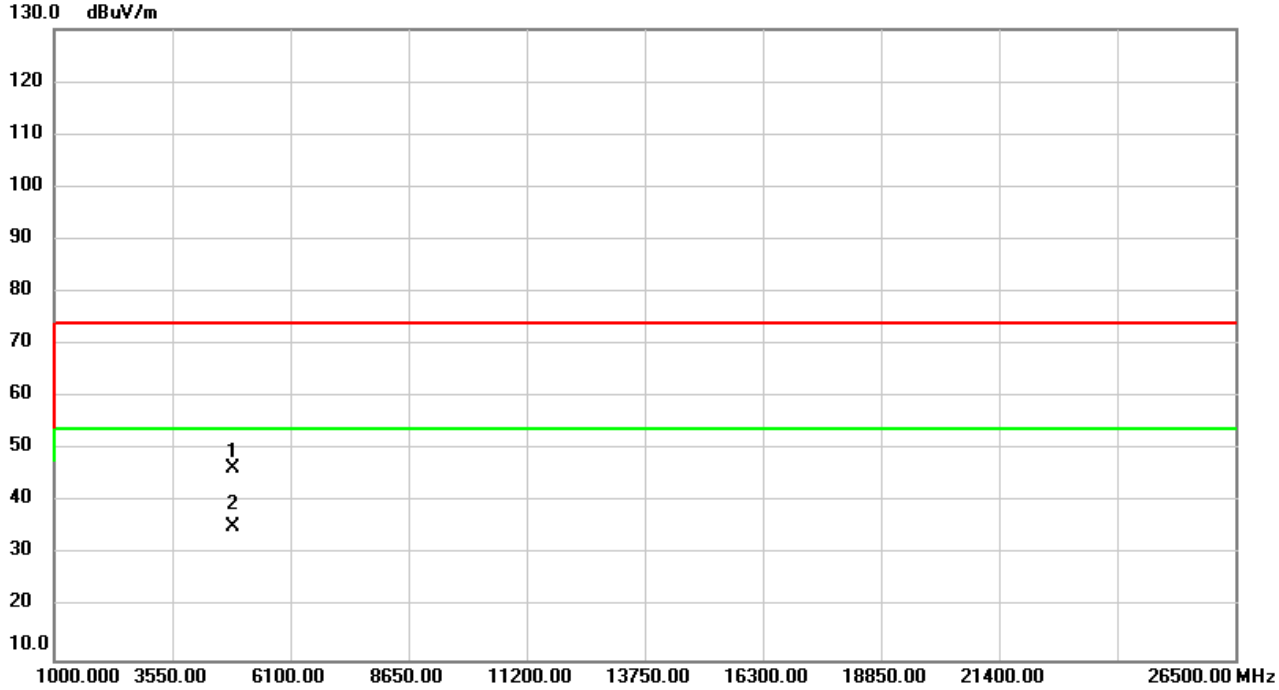
Test Mode	IEEE 802.11ax (HEW20)	Test Date	2020/6/23
Test Frequency	2462	Polarization	Horizontal
Temp	20°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	55.11	-9.55	45.56	74.00	-28.44	peak	
2	*	4924.000	46.99	-9.55	37.44	54.00	-16.56	AVG	

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

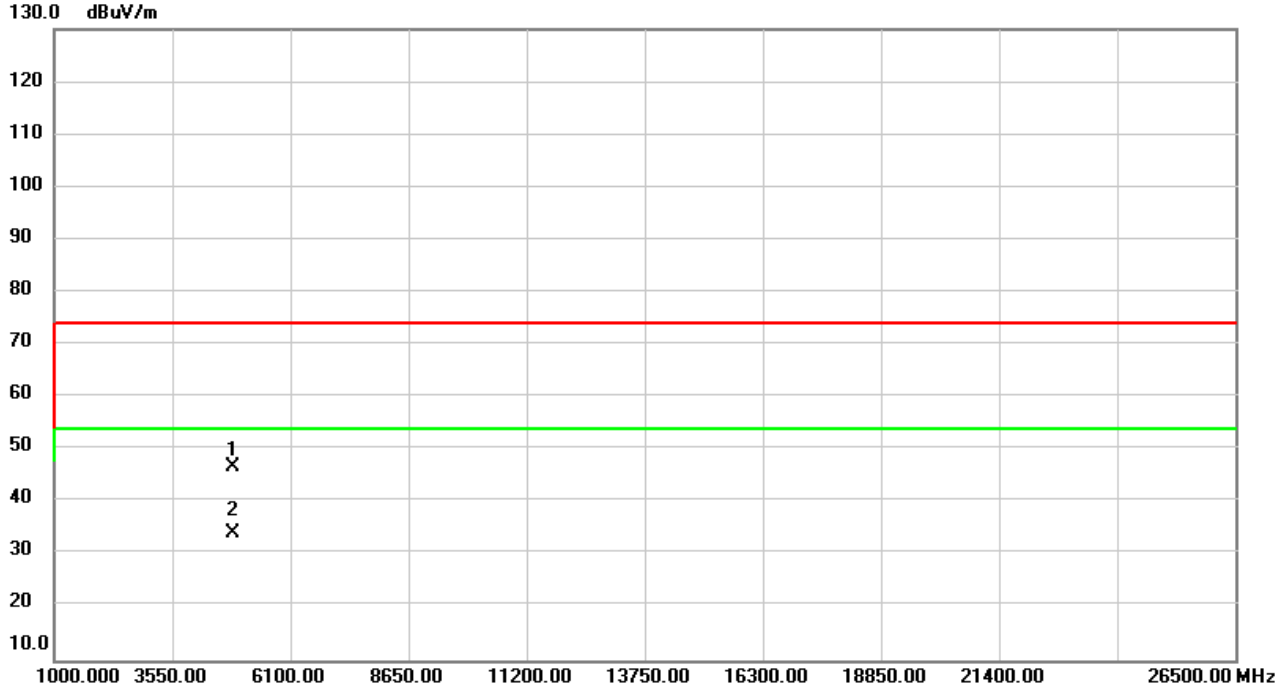
Test Mode	IEEE 802.11ax (HEW40)	Test Date	2020/6/23
Test Frequency	2422	Polarization	Vertical
Temp	20°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4844.000	56.18	-9.85	46.33	74.00	-27.67	peak	
2	*	4844.000	45.06	-9.85	35.21	54.00	-18.79	AVG	

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

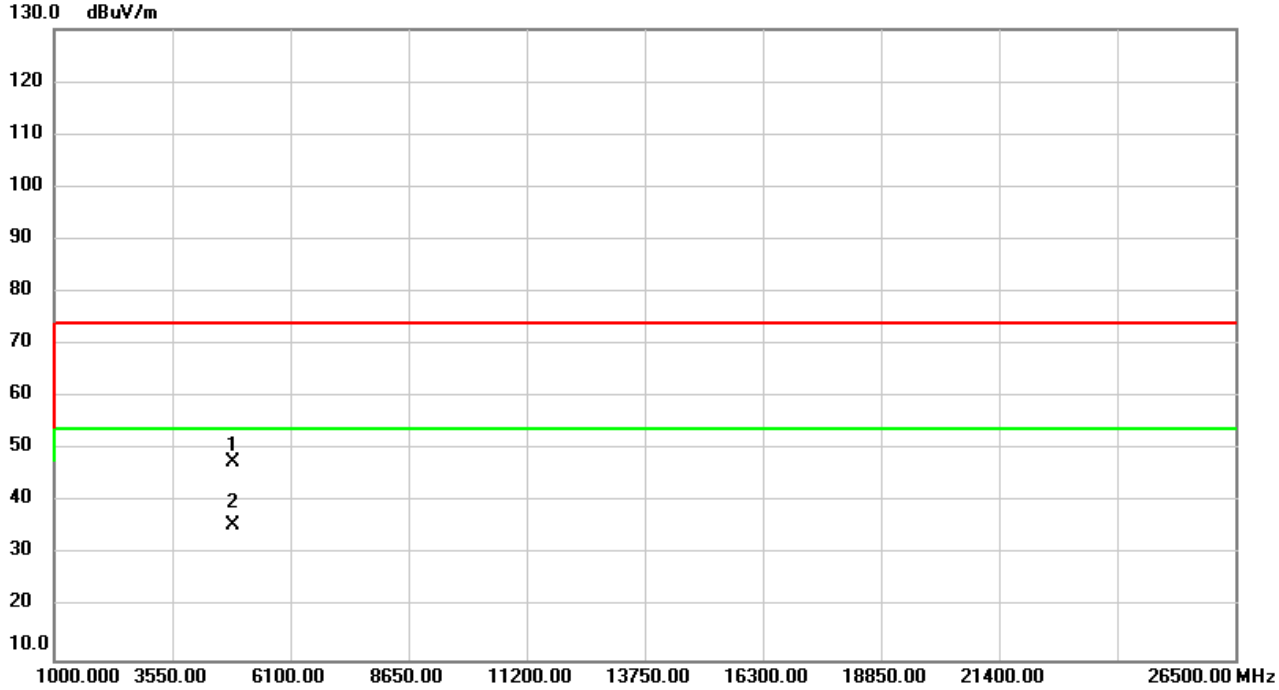
Test Mode	IEEE 802.11ax (HEW40)	Test Date	2020/6/23
Test Frequency	2422	Polarization	Horizontal
Temp	20°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4844.000	56.55	-9.85	46.70	74.00	-27.30	peak	
2	*	4844.000	44.07	-9.85	34.22	54.00	-19.78	AVG	

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

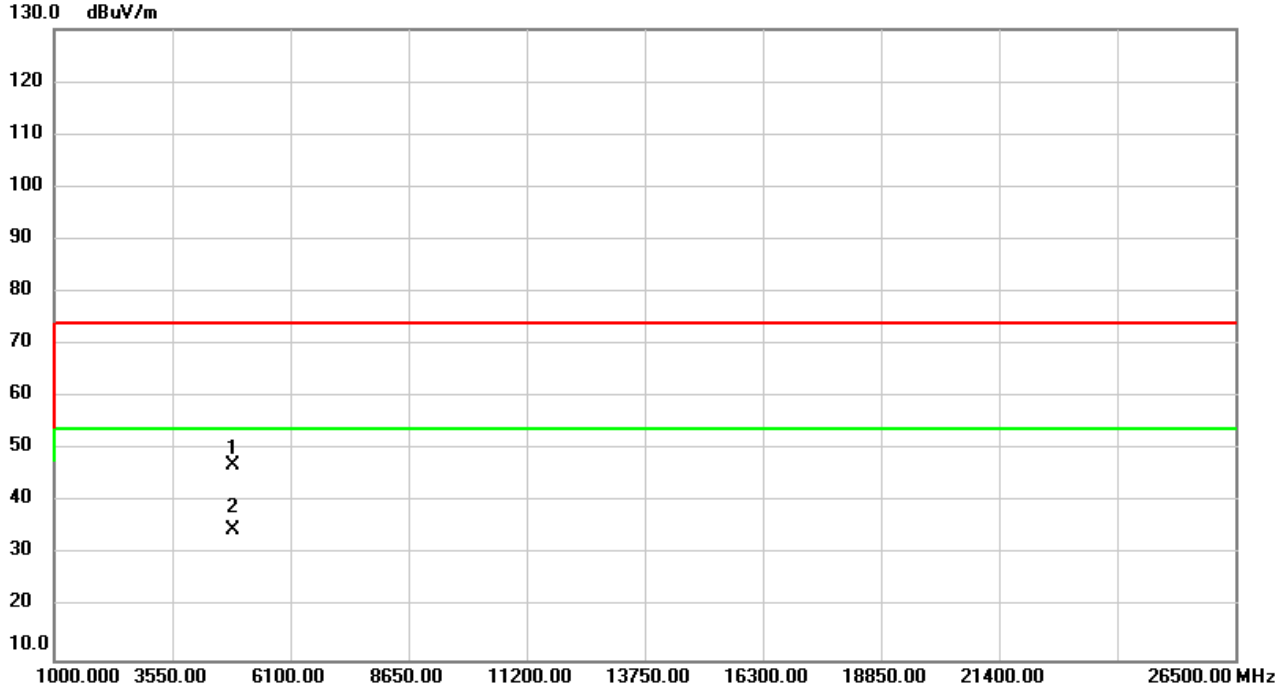
Test Mode	IEEE 802.11ax (HEW40)	Test Date	2020/6/23
Test Frequency	2437	Polarization	Vertical
Temp	20°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	57.45	-9.74	47.71	74.00	-26.29	peak	
2	*	4874.000	45.46	-9.74	35.72	54.00	-18.28	AVG	

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

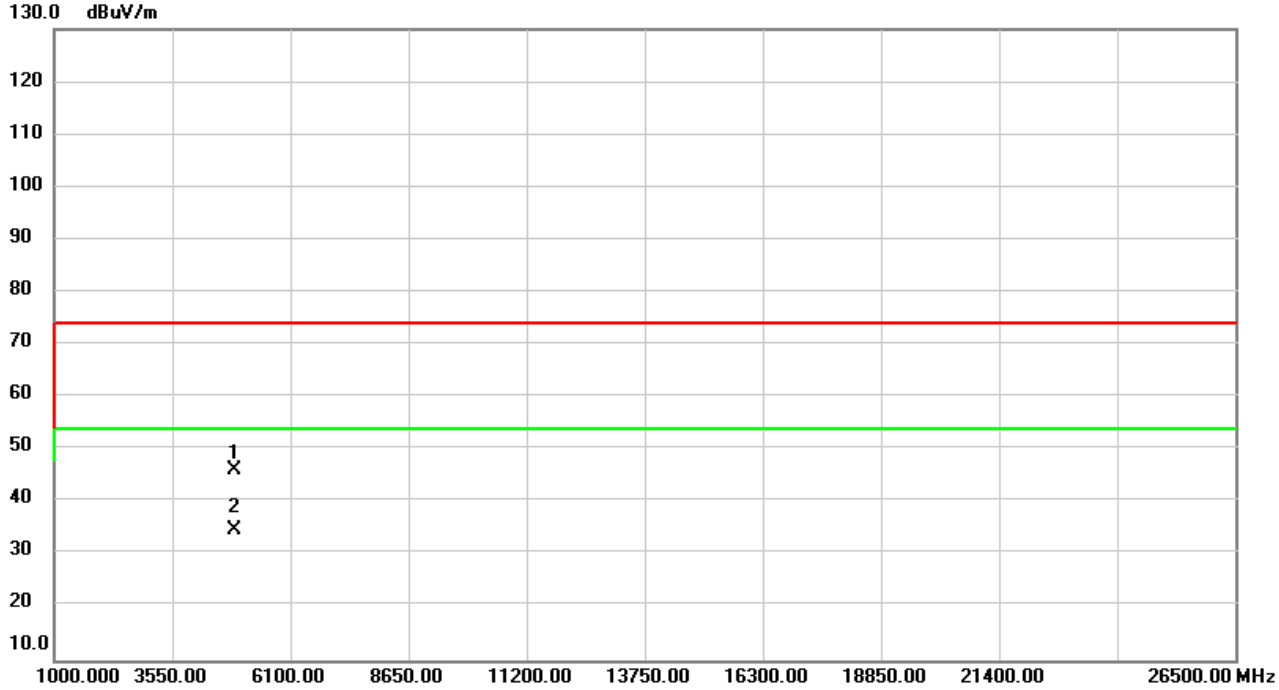
Test Mode	IEEE 802.11ax (HEW40)	Test Date	2020/6/23
Test Frequency	2437	Polarization	Horizontal
Temp	20°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	56.66	-9.74	46.92	74.00	-27.08	peak	
2	*	4874.000	44.43	-9.74	34.69	54.00	-19.31	AVG	

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

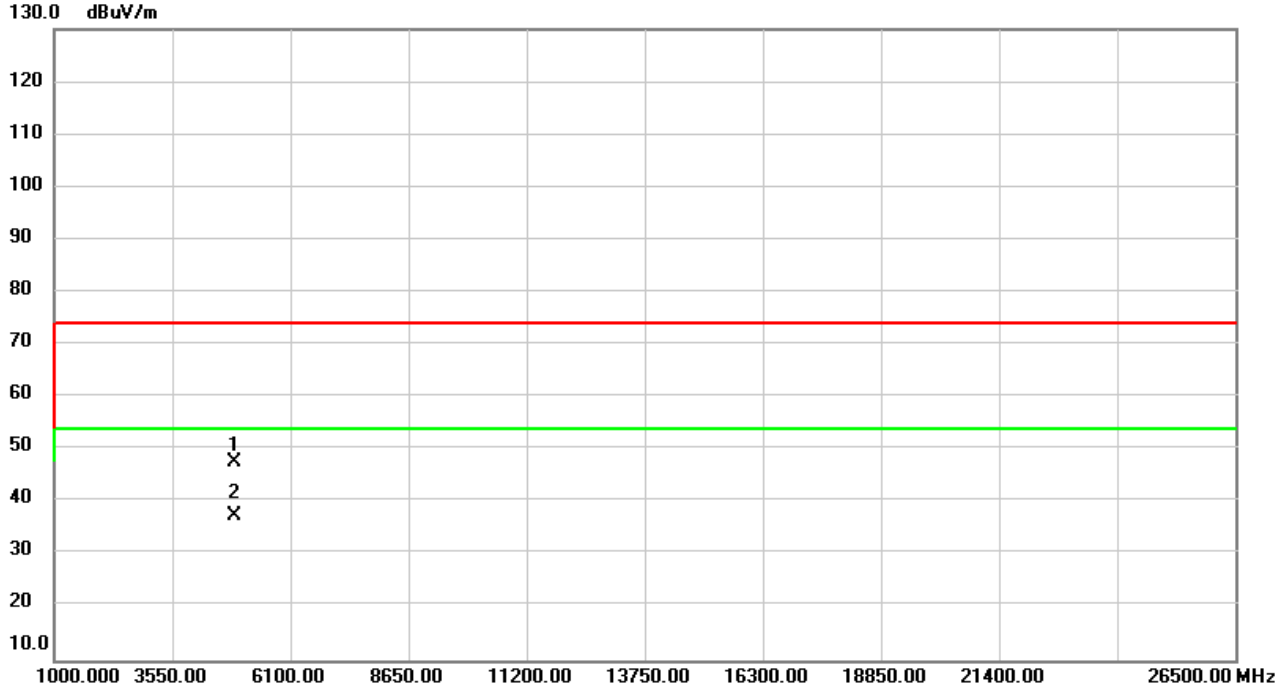
Test Mode	IEEE 802.11ax (HEW40)	Test Date	2020/6/23
Test Frequency	2452	Polarization	Vertical
Temp	20°C	Hum.	53%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4904.000	55.64	-9.63	46.01	74.00	-27.99	peak	
2	*	4904.000	44.52	-9.63	34.89	54.00	-19.11	AVG	

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

Test Mode	IEEE 802.11ax (HEW40)	Test Date	2020/6/23
Test Frequency	2452	Polarization	Horizontal
Temp	20°C	Hum.	53%

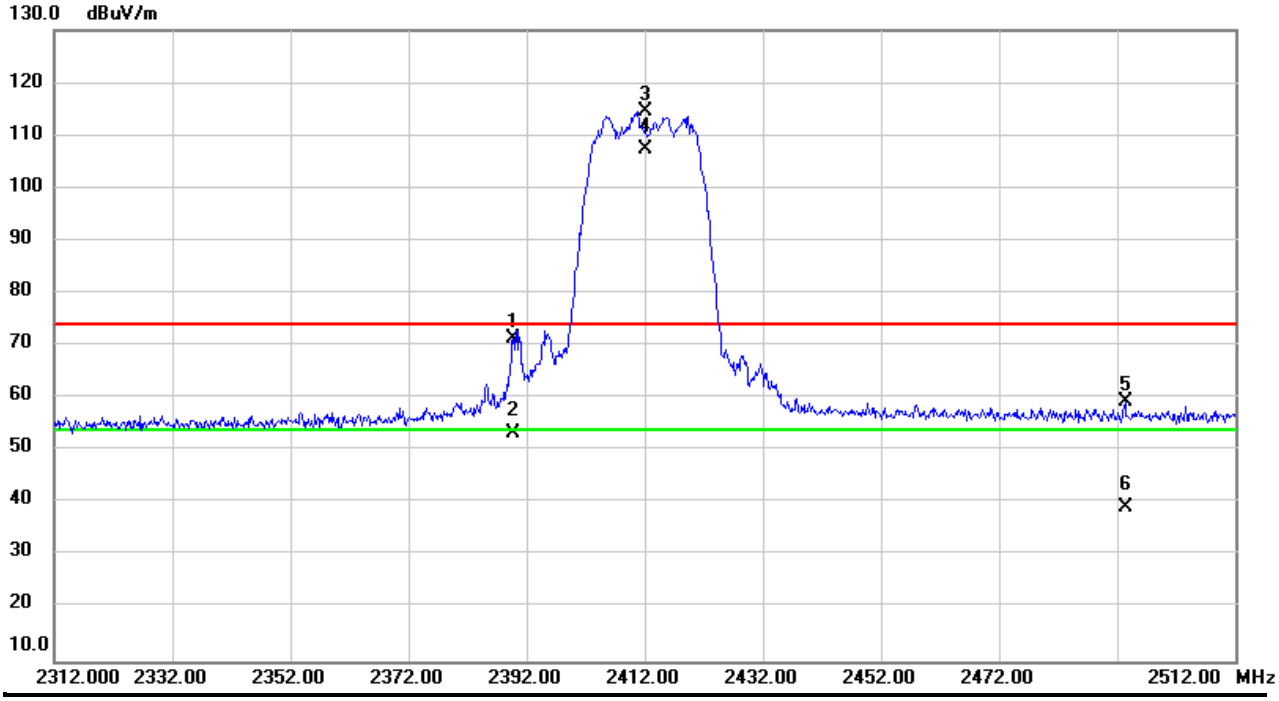


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4904.000	57.29	-9.63	47.66	74.00	-26.34	peak	
2	*	4904.000	47.02	-9.63	37.39	54.00	-16.61	AVG	

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

Test Mode	Beamforming mode

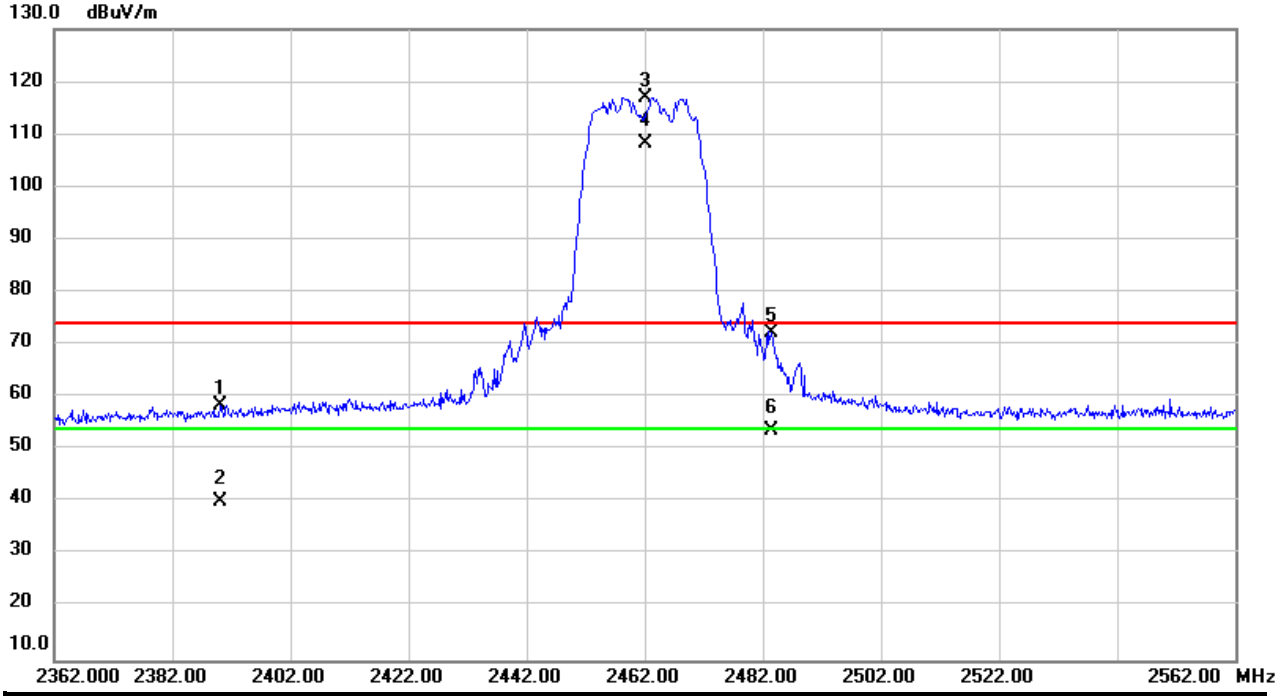
Test Mode	IEEE 802.11ac (VHT20)	Test Date	2020/7/30
Test Frequency	2412	Polarization	Horizontal
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2389.800	40.32	31.11	71.43	74.00	-2.57	peak	
2		2389.800	22.14	31.11	53.25	54.00	-0.75	AVG	
3	X	2412.000	83.22	31.20	114.42	74.00	40.42	peak	NoLimit
4	*	2412.000	76.08	31.20	107.28	54.00	53.28	AVG	NoLimit
5		2493.400	27.85	31.51	59.36	74.00	-14.64	peak	
6		2493.400	7.80	31.51	39.31	54.00	-14.69	AVG	

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

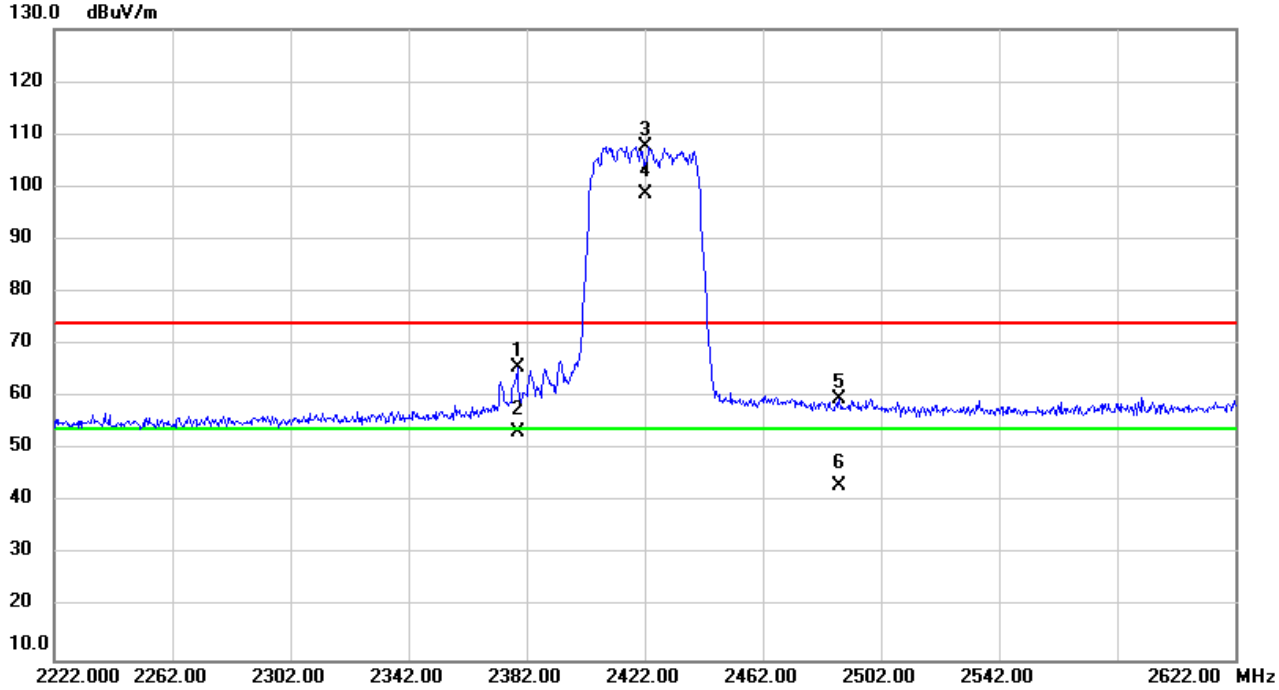
Test Mode	IEEE 802.11ac (VHT20)	Test Date	2020/7/30
Test Frequency	2462	Polarization	Horizontal
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	27.39	31.11	58.50	74.00	-15.50	peak	
2		2390.000	8.90	31.11	40.01	54.00	-13.99	AVG	
3	X	2462.000	85.61	31.39	117.00	74.00	43.00	peak	NoLimit
4	*	2462.000	76.86	31.39	108.25	54.00	54.25	AVG	NoLimit
5		2483.500	40.91	31.47	72.38	74.00	-1.62	peak	
6		2483.500	22.06	31.47	53.53	54.00	-0.47	AVG	

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

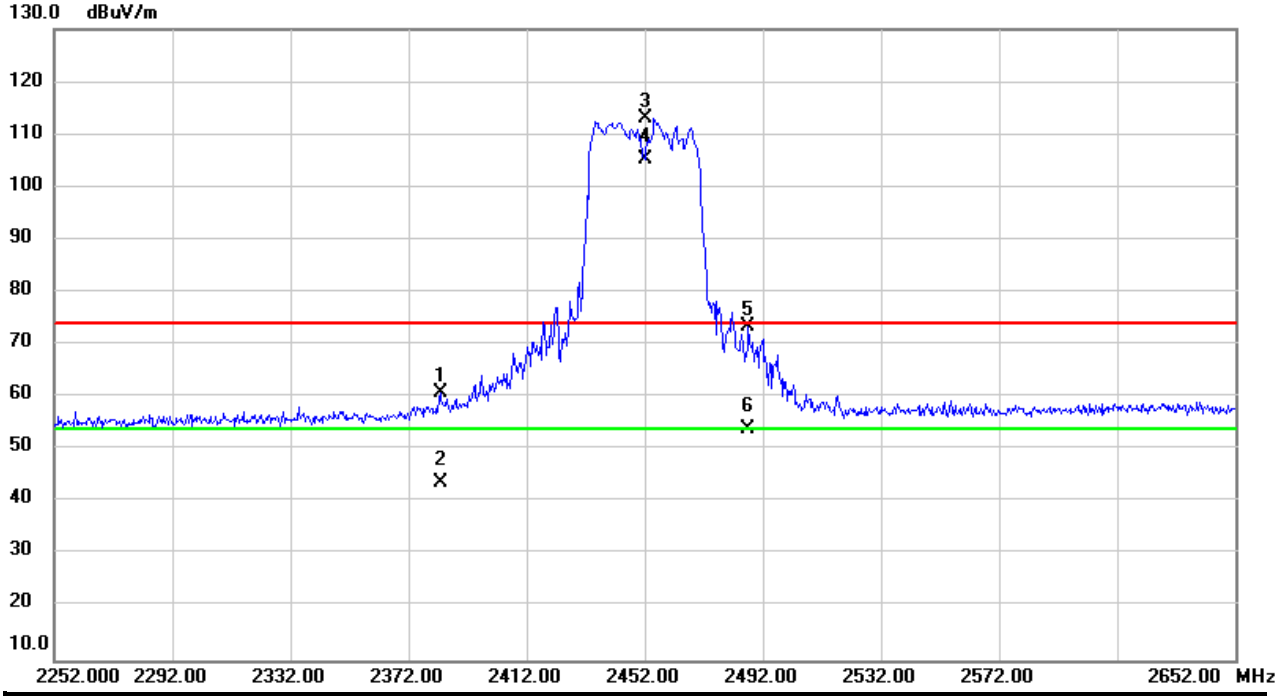
Test Mode	IEEE 802.11ac (VHT40)	Test Date	2020/7/30
Test Frequency	2422	Polarization	Horizontal
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2378.800	34.48	31.07	65.55	74.00	-8.45	peak	
2		2378.800	22.34	31.07	53.41	54.00	-0.59	AVG	
3	X	2422.000	76.52	31.23	107.75	74.00	33.75	peak	NoLimit
4	*	2422.000	67.51	31.23	98.74	54.00	44.74	AVG	NoLimit
5		2488.000	28.26	31.48	59.74	74.00	-14.26	peak	
6		2488.000	11.55	31.48	43.03	54.00	-10.97	AVG	

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

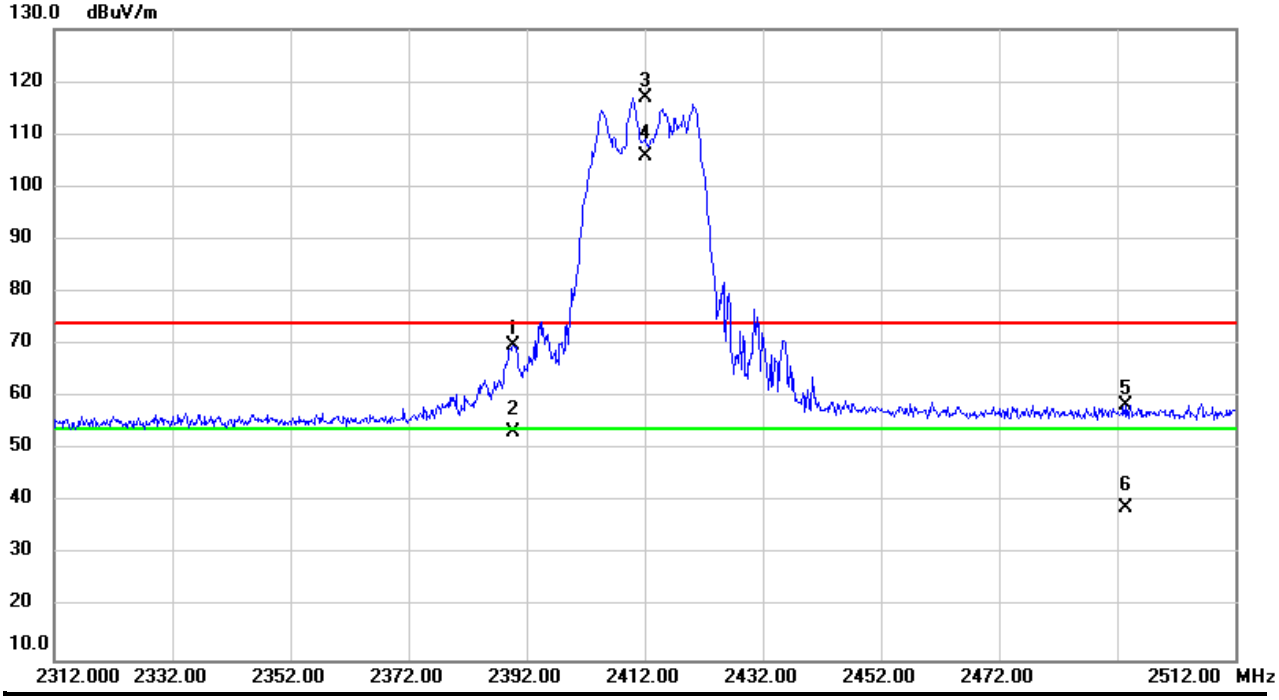
Test Mode	IEEE 802.11ac (VHT40)	Test Date	2020/7/30
Test Frequency	2452	Polarization	Horizontal
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2382.800	29.91	31.08	60.99	74.00	-13.01	peak	
2		2382.800	12.81	31.08	43.89	54.00	-10.11	AVG	
3	X	2452.000	81.56	31.35	112.91	74.00	38.91	peak	NoLimit
4	*	2452.000	73.93	31.35	105.28	54.00	51.28	AVG	NoLimit
5		2487.200	41.90	31.48	73.38	74.00	-0.62	peak	
6		2487.200	22.34	31.48	53.82	54.00	-0.18	AVG	

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

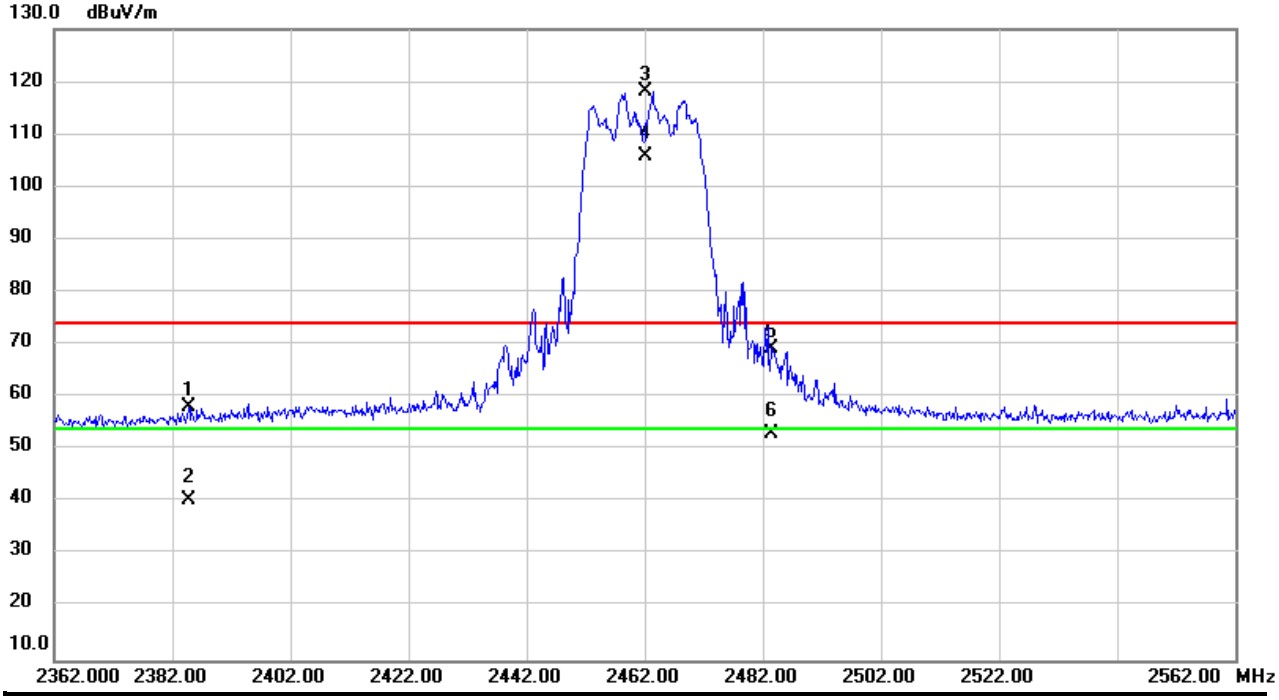
Test Mode	IEEE 802.11ax (HEW20)	Test Date	2020/7/30
Test Frequency	2412	Polarization	Horizontal
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2389.800	38.83	31.11	69.94	74.00	-4.06	peak	
2		2389.800	22.39	31.11	53.50	54.00	-0.50	AVG	
3	X	2412.000	85.81	31.20	117.01	74.00	43.01	peak	NoLimit
4	*	2412.000	74.66	31.20	105.86	54.00	51.86	AVG	NoLimit
5		2493.600	27.08	31.51	58.59	74.00	-15.41	peak	
6		2493.600	7.36	31.51	38.87	54.00	-15.13	AVG	

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

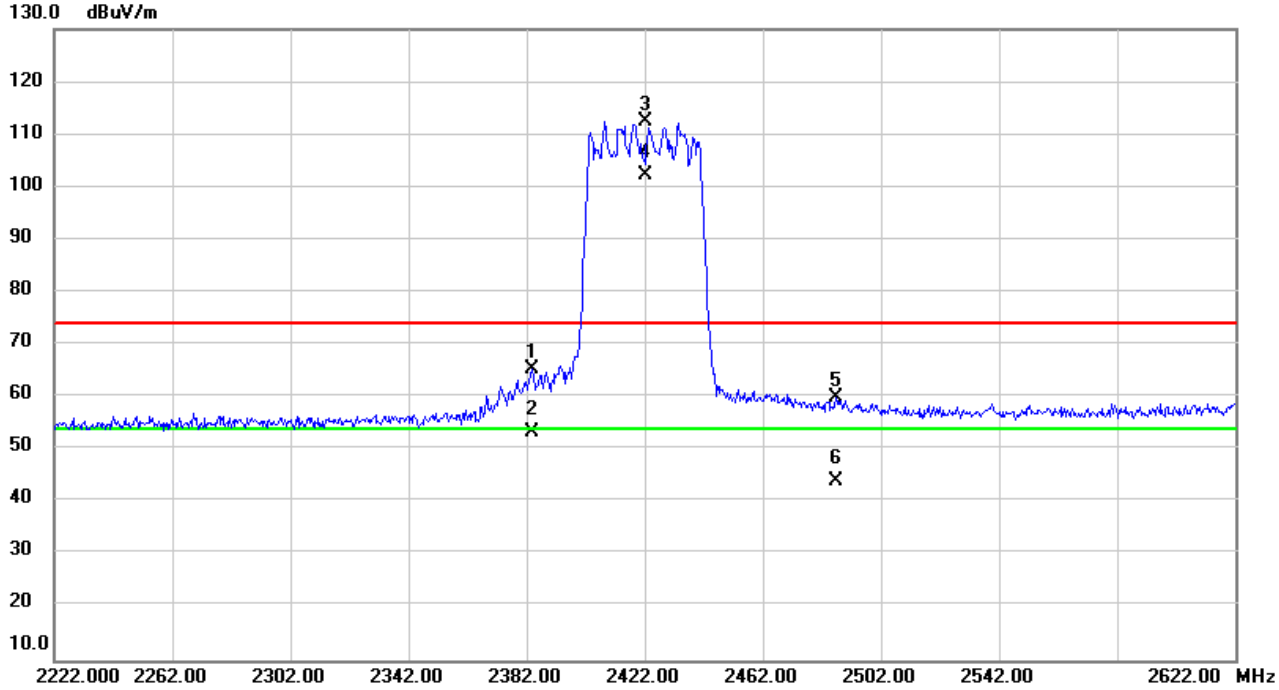
Test Mode	IEEE 802.11ax (HEW20)	Test Date	2020/7/30
Test Frequency	2462	Polarization	Horizontal
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2384.800	27.09	31.09	58.18	74.00	-15.82	peak	
2		2384.800	9.38	31.09	40.47	54.00	-13.53	AVG	
3	X	2462.000	86.74	31.39	118.13	74.00	44.13	peak	NoLimit
4	*	2462.000	74.46	31.39	105.85	54.00	51.85	AVG	NoLimit
5		2483.500	37.73	31.47	69.20	74.00	-4.80	peak	
6		2483.500	21.72	31.47	53.19	54.00	-0.81	AVG	

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

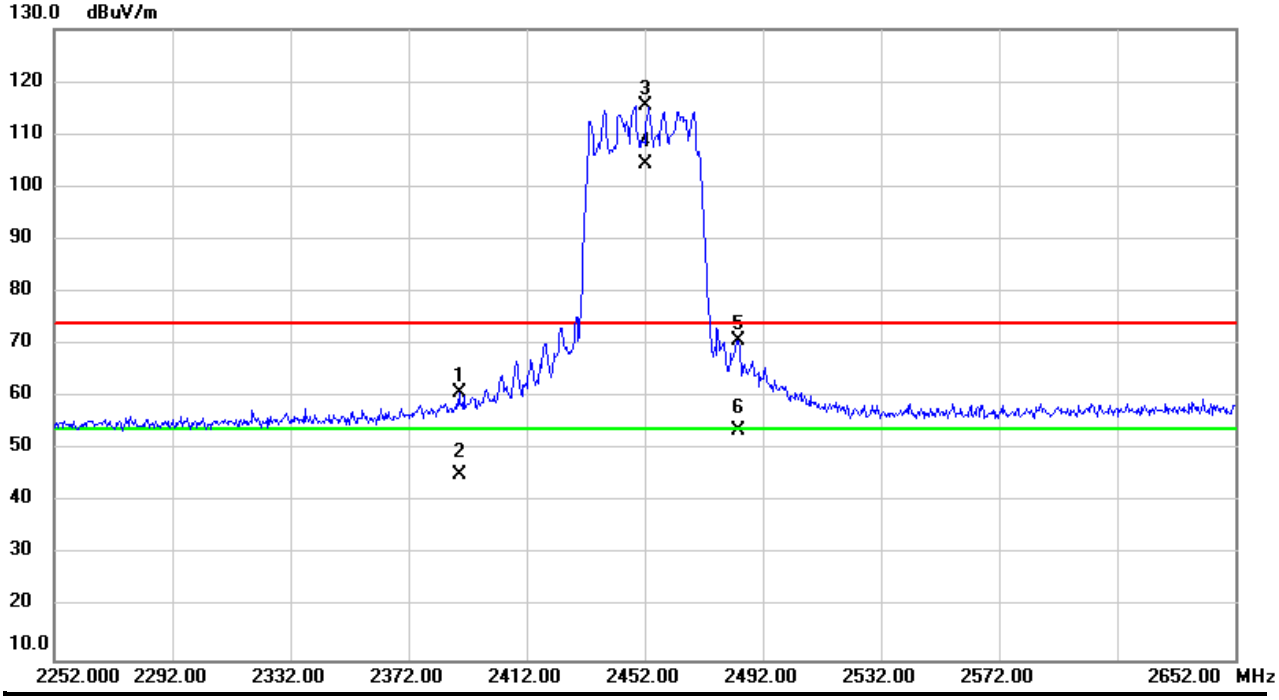
Test Mode	IEEE 802.11ax (HEW40)	Test Date	2020/7/30
Test Frequency	2422	Polarization	Horizontal
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2384.000	34.30	31.09	65.39	74.00	-8.61	peak	
2		2384.000	22.14	31.09	53.23	54.00	-0.77	AVG	
3	X	2422.000	81.22	31.23	112.45	74.00	38.45	peak	NoLimit
4	*	2422.000	70.91	31.23	102.14	54.00	48.14	AVG	NoLimit
5		2486.800	28.51	31.48	59.99	74.00	-14.01	peak	
6		2486.800	12.69	31.48	44.17	54.00	-9.83	AVG	

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

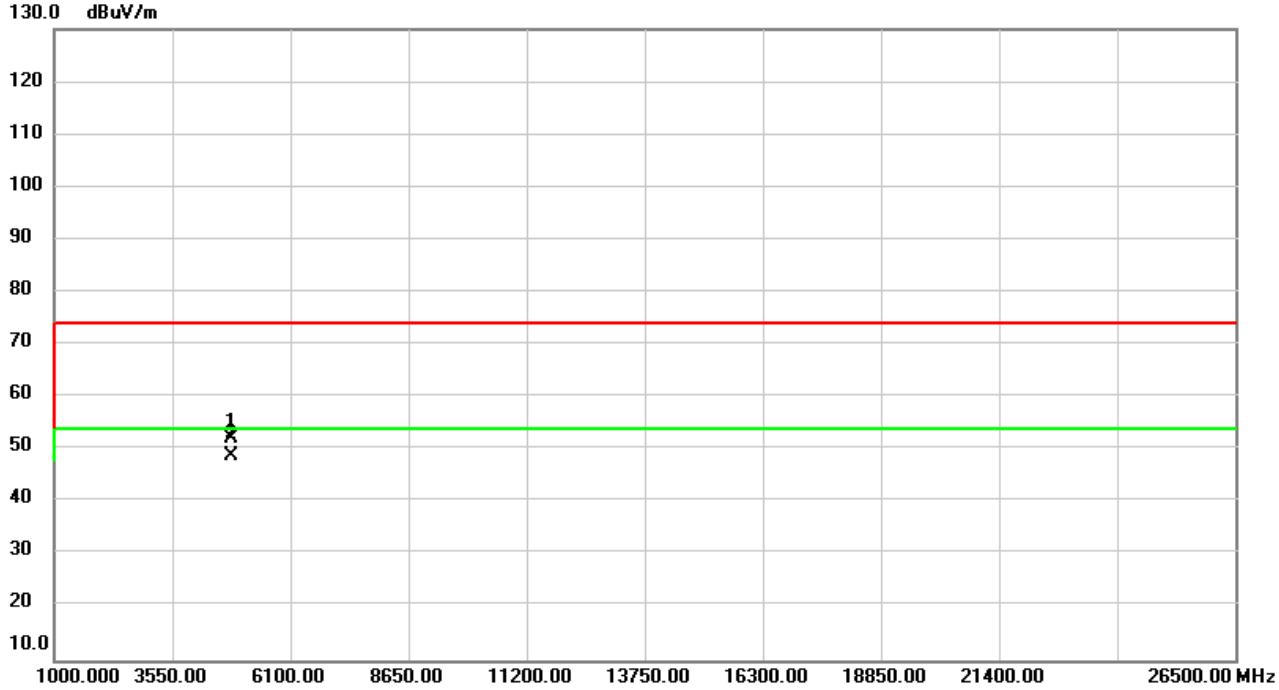
Test Mode	IEEE 802.11ax (HEW40)	Test Date	2020/7/30
Test Frequency	2452	Polarization	Horizontal
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2389.200	29.64	31.11	60.75	74.00	-13.25	peak	
2		2389.200	14.00	31.11	45.11	54.00	-8.89	AVG	
3	X	2452.000	84.16	31.35	115.51	74.00	41.51	peak	NoLimit
4	*	2452.000	72.99	31.35	104.34	54.00	50.34	AVG	NoLimit
5		2483.500	39.36	31.47	70.83	74.00	-3.17	peak	
6		2483.500	22.29	31.47	53.76	54.00	-0.24	AVG	

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

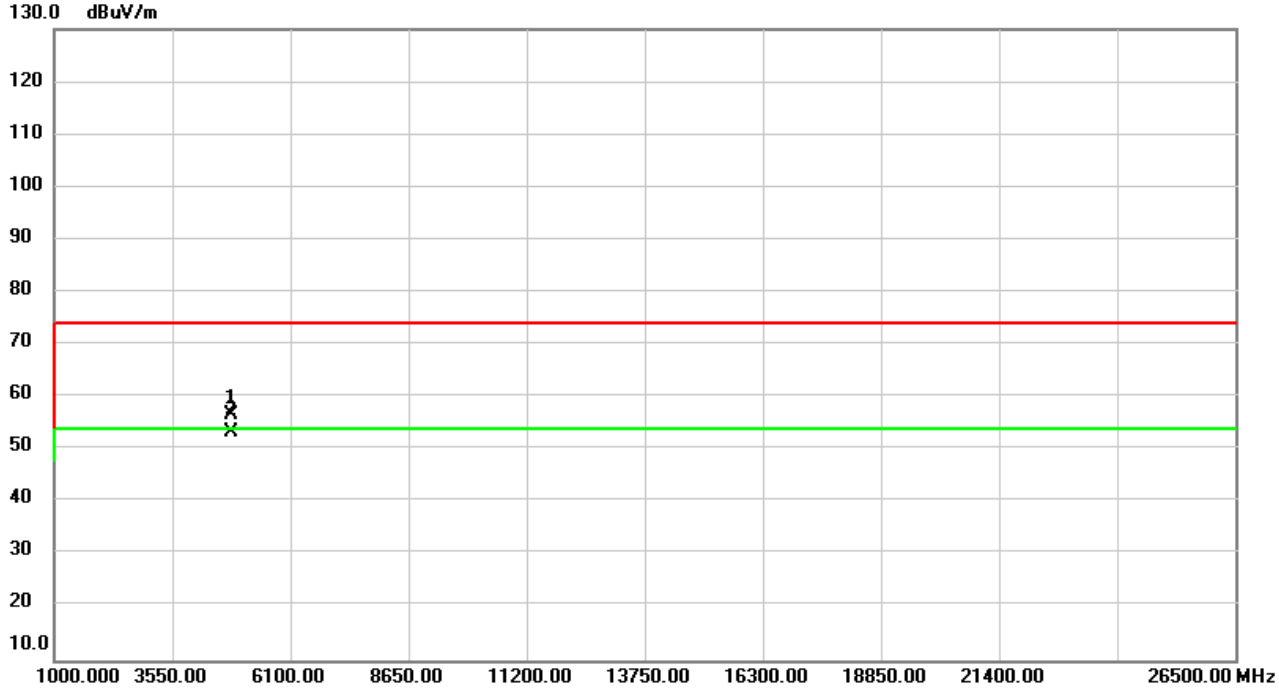
Test Mode	IEEE 802.11ac (VHT20)	Test Date	2020/7/30
Test Frequency	2412	Polarization	Vertical
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	61.97	-9.93	52.04	74.00	-21.96	peak	
2	*	4824.000	58.65	-9.93	48.72	54.00	-5.28	AVG	

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

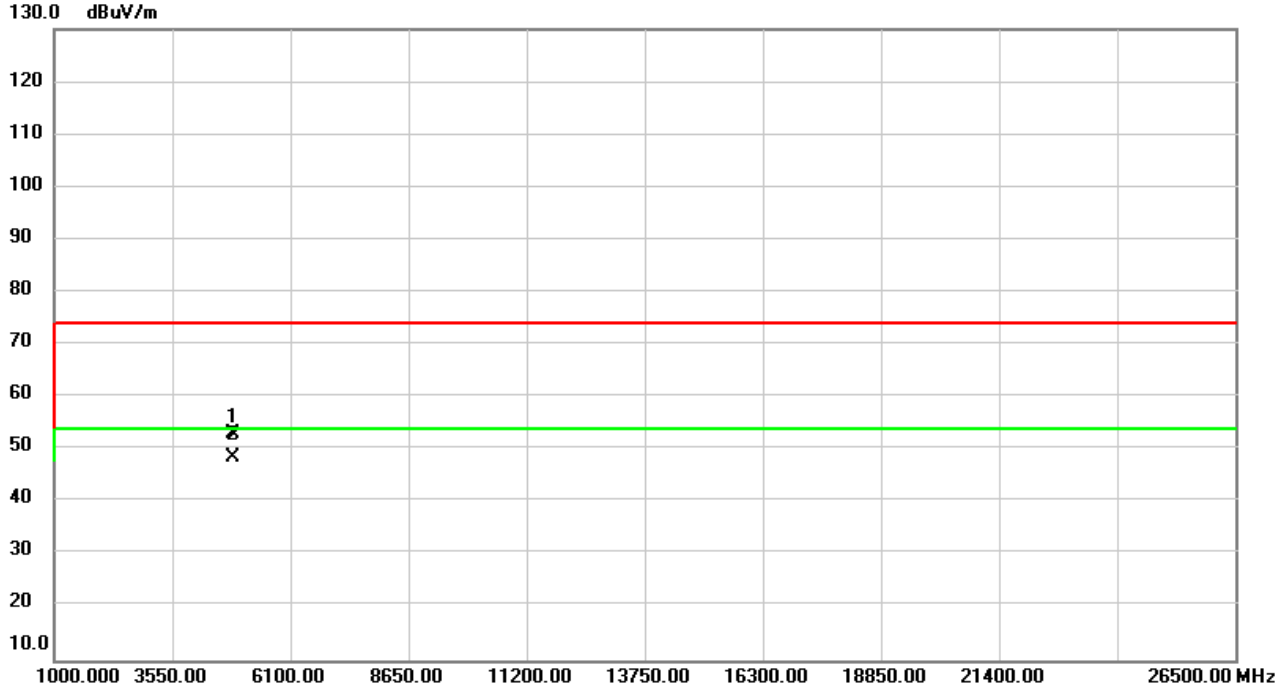
Test Mode	IEEE 802.11ac (VHT20)	Test Date	2020/7/30
Test Frequency	2412	Polarization	Horizontal
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	66.64	-9.93	56.71	74.00	-17.29	peak	
2	*	4824.000	63.38	-9.93	53.45	54.00	-0.55	AVG	

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

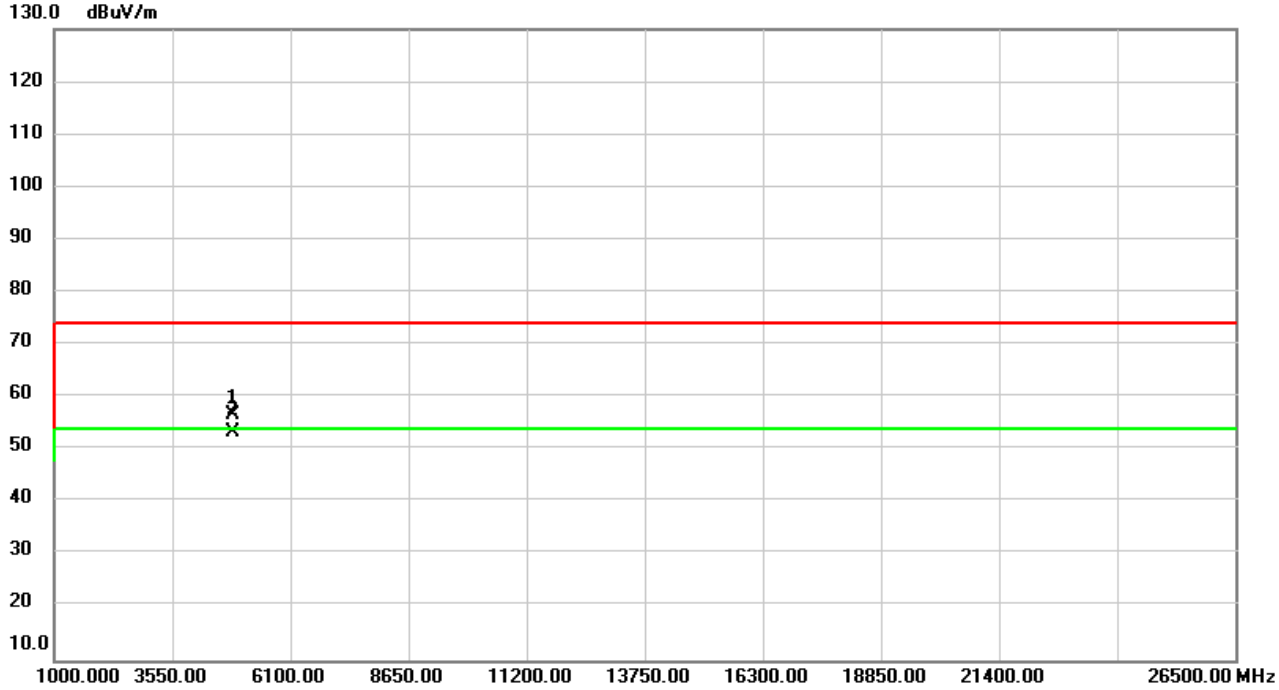
Test Mode	IEEE 802.11ac (VHT20)	Test Date	2020/7/30
Test Frequency	2437	Polarization	Vertical
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	62.76	-9.74	53.02	74.00	-20.98	peak	
2	*	4874.000	58.17	-9.74	48.43	54.00	-5.57	AVG	

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

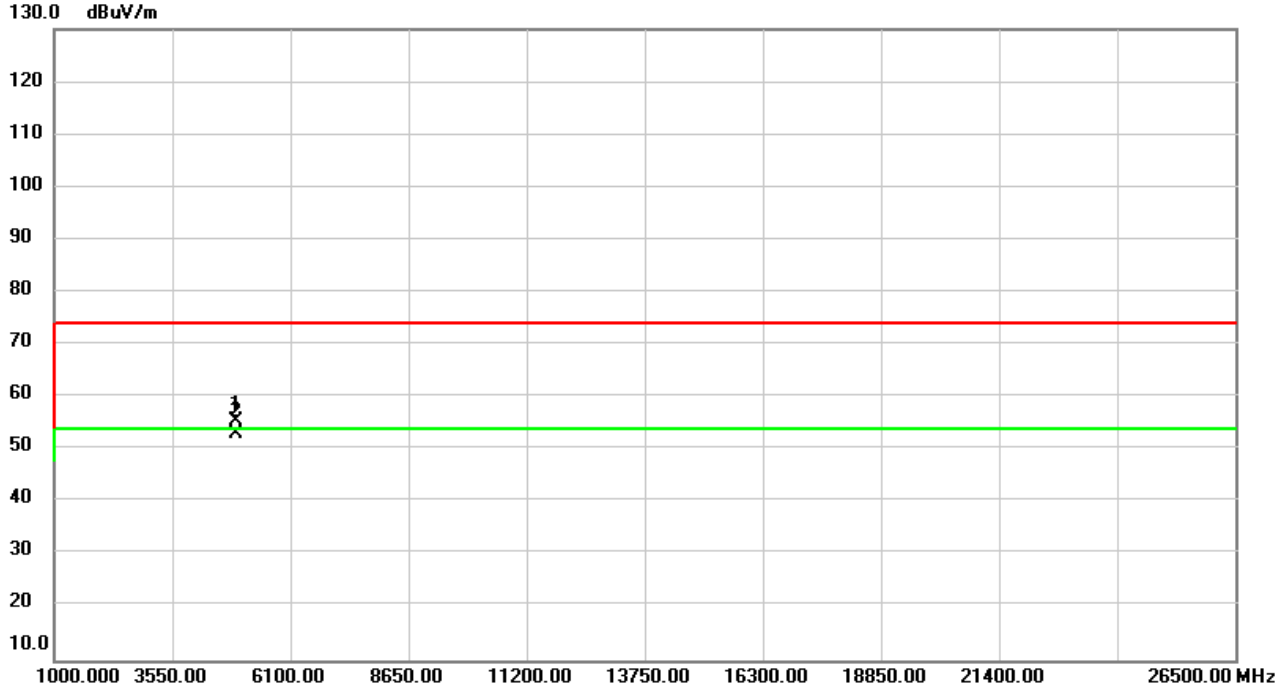
Test Mode	IEEE 802.11ac (VHT20)	Test Date	2020/7/30
Test Frequency	2437	Polarization	Horizontal
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	66.49	-9.74	56.75	74.00	-17.25	peak	
2	*	4874.000	63.16	-9.74	53.42	54.00	-0.58	AVG	

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

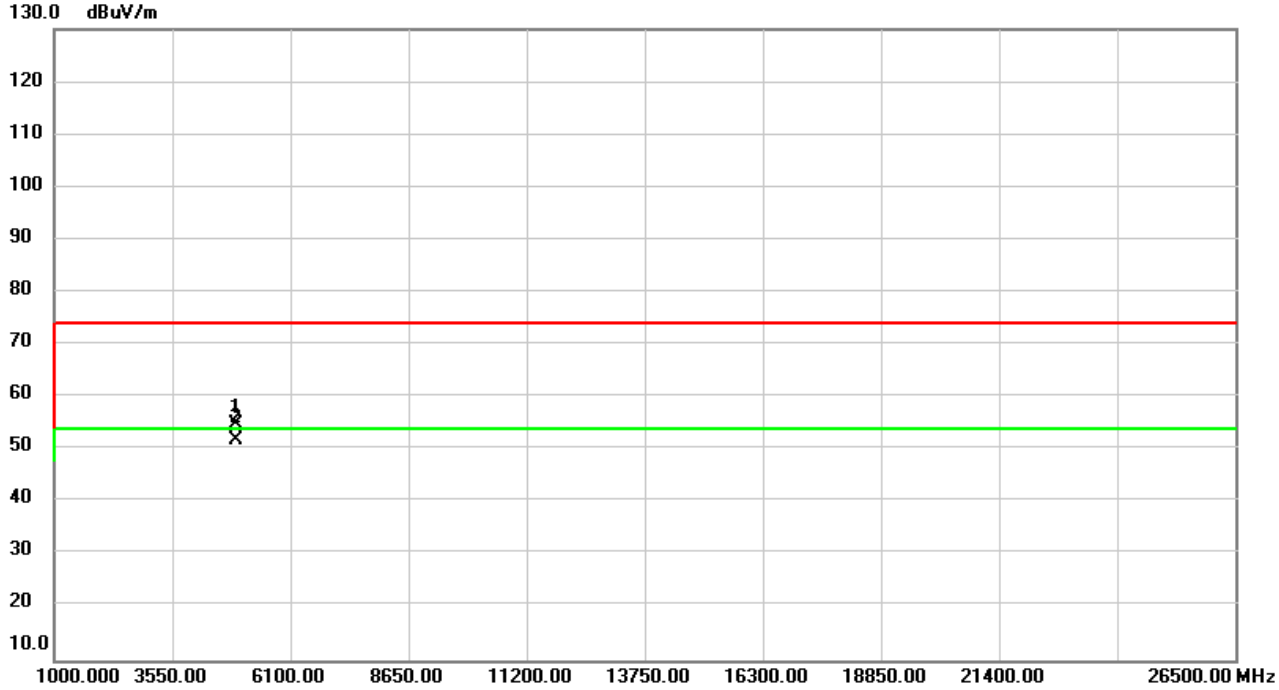
Test Mode	IEEE 802.11ac (VHT20)	Test Date	2020/8/7
Test Frequency	2462	Polarization	Vertical
Temp	23°C	Hum.	67%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	65.03	-9.55	55.48	74.00	-18.52	peak	
2	*	4924.000	62.48	-9.55	52.93	54.00	-1.07	AVG	

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

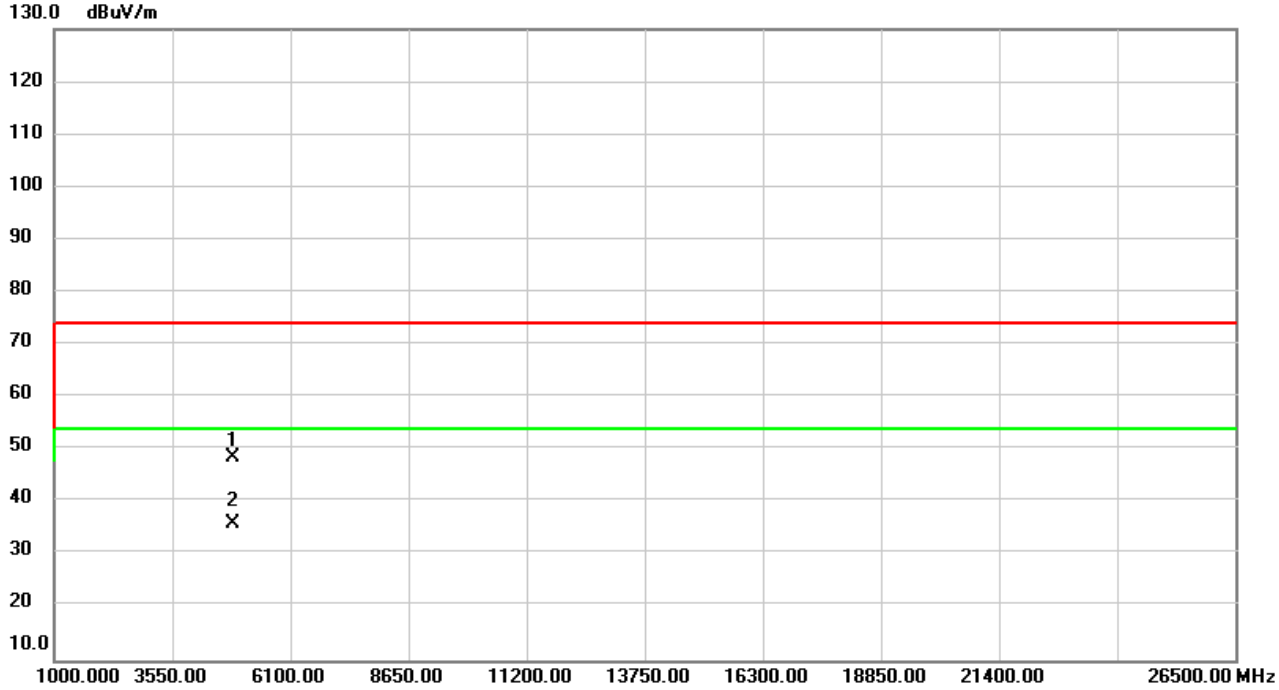
Test Mode	IEEE 802.11ac (VHT20)	Test Date	2020/8/7
Test Frequency	2462	Polarization	Horizontal
Temp	23°C	Hum.	67%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	64.44	-9.55	54.89	74.00	-19.11	peak	
2	*	4924.000	61.54	-9.55	51.99	54.00	-2.01	AVG	

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

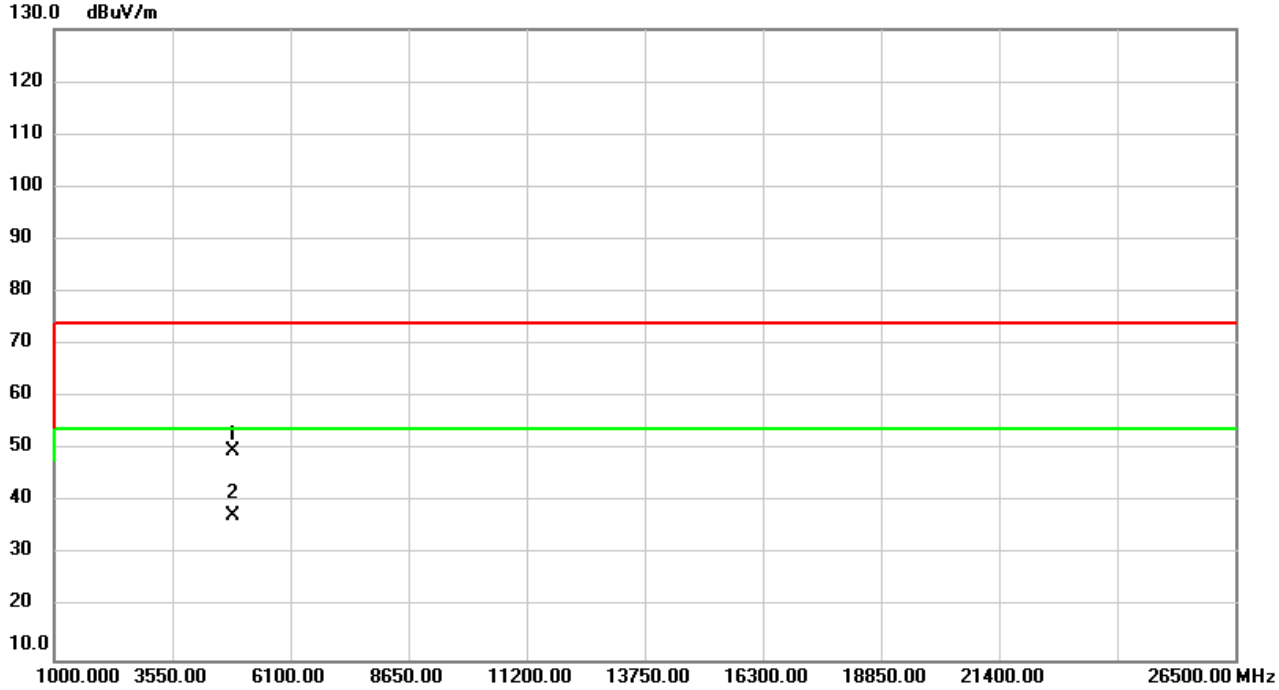
Test Mode	IEEE 802.11ac (VHT40)	Test Date	2020/8/7
Test Frequency	2422	Polarization	Vertical
Temp	23°C	Hum.	67%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4844.000	58.39	-9.85	48.54	74.00	-25.46	peak	
2	*	4844.000	45.85	-9.85	36.00	54.00	-18.00	AVG	

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

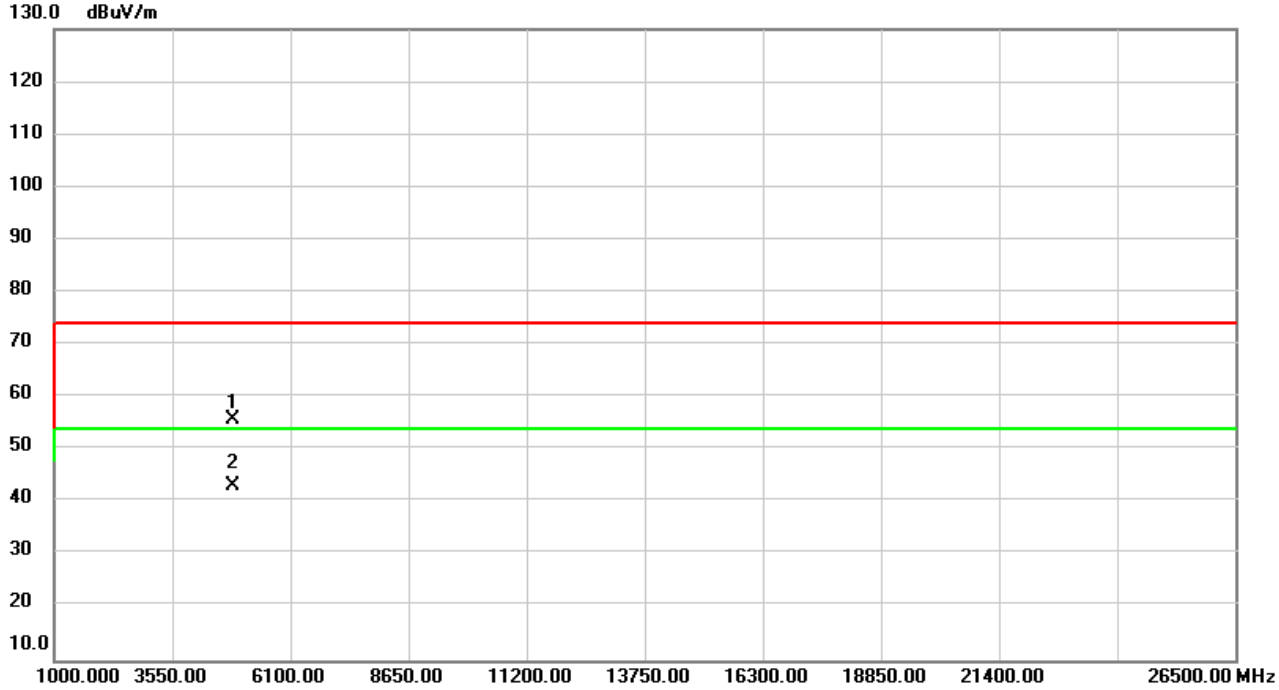
Test Mode	IEEE 802.11ac (VHT40)	Test Date	2020/8/7
Test Frequency	2422	Polarization	Horizontal
Temp	23°C	Hum.	67%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4844.000	59.52	-9.85	49.67	74.00	-24.33	peak	
2	*	4844.000	47.40	-9.85	37.55	54.00	-16.45	AVG	

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

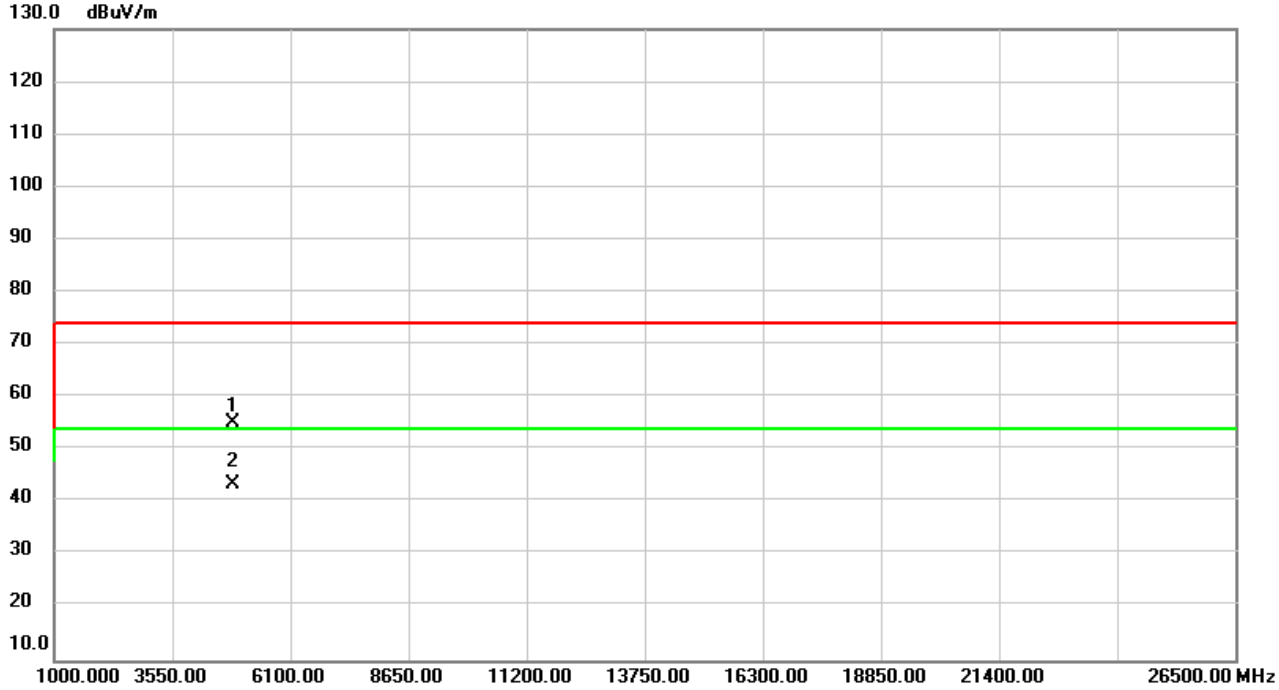
Test Mode	IEEE 802.11ac (VHT40)	Test Date	2020/8/7
Test Frequency	2437	Polarization	Vertical
Temp	23°C	Hum.	67%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	65.51	-9.74	55.77	74.00	-18.23	peak	
2	*	4874.000	53.02	-9.74	43.28	54.00	-10.72	AVG	

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

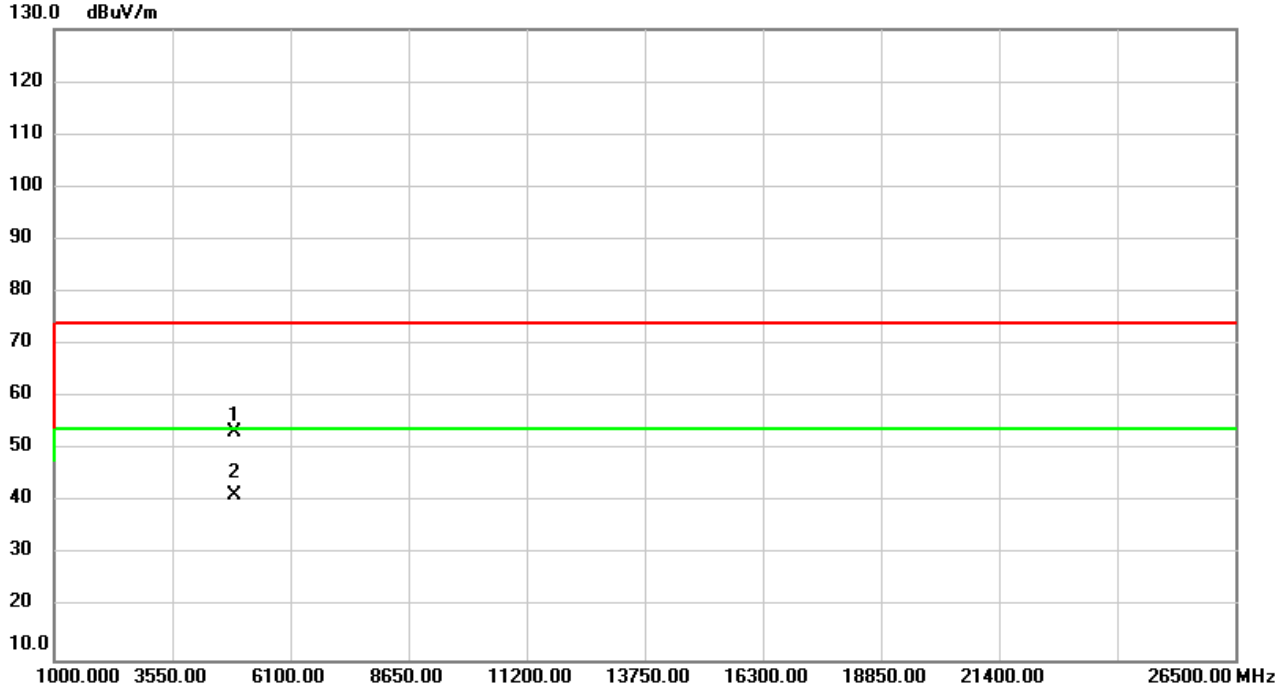
Test Mode	IEEE 802.11ac (VHT40)	Test Date	2020/8/7
Test Frequency	2437	Polarization	Horizontal
Temp	23°C	Hum.	67%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	64.96	-9.74	55.22	74.00	-18.78	peak	
2	*	4874.000	53.24	-9.74	43.50	54.00	-10.50	AVG	

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

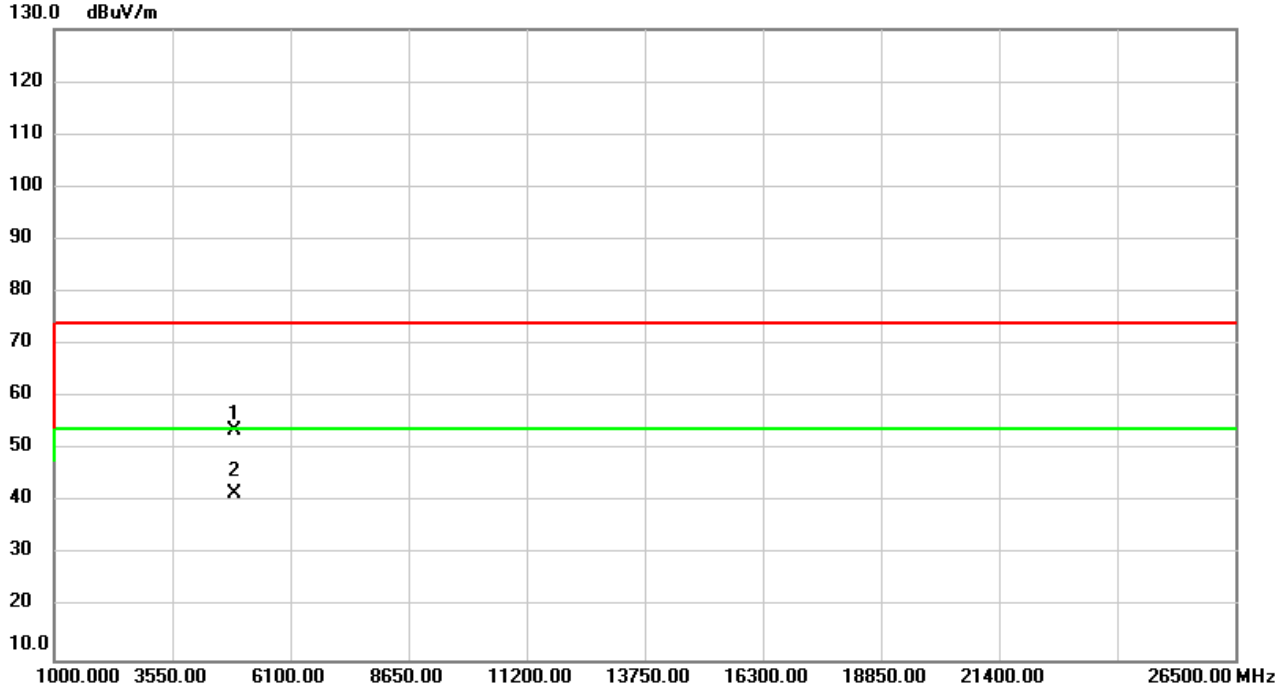
Test Mode	IEEE 802.11ac (VHT40)	Test Date	2020/8/7
Test Frequency	2452	Polarization	Vertical
Temp	23°C	Hum.	67%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4904.000	62.91	-9.63	53.28	74.00	-20.72	peak	
2	*	4904.000	51.09	-9.63	41.46	54.00	-12.54	AVG	

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

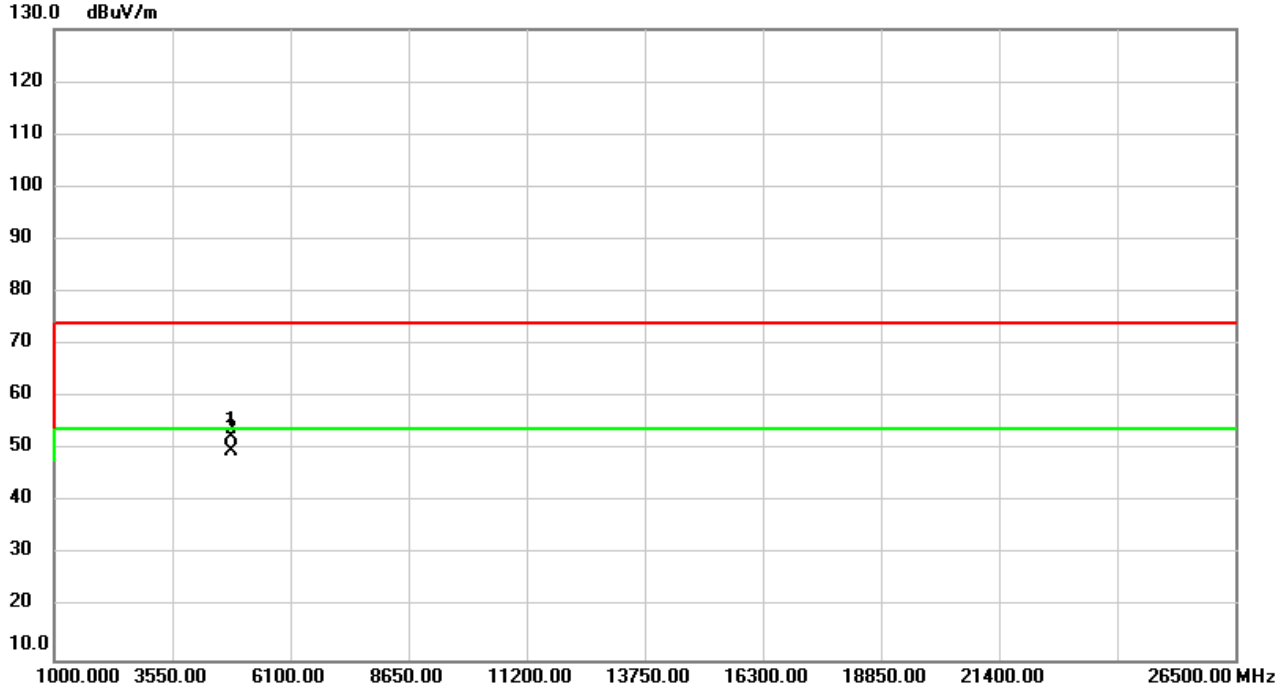
Test Mode	IEEE 802.11ac (VHT40)	Test Date	2020/8/7
Test Frequency	2452	Polarization	Horizontal
Temp	23°C	Hum.	67%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4904.000	63.24	-9.63	53.61	74.00	-20.39	peak	
2	*	4904.000	51.37	-9.63	41.74	54.00	-12.26	AVG	

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

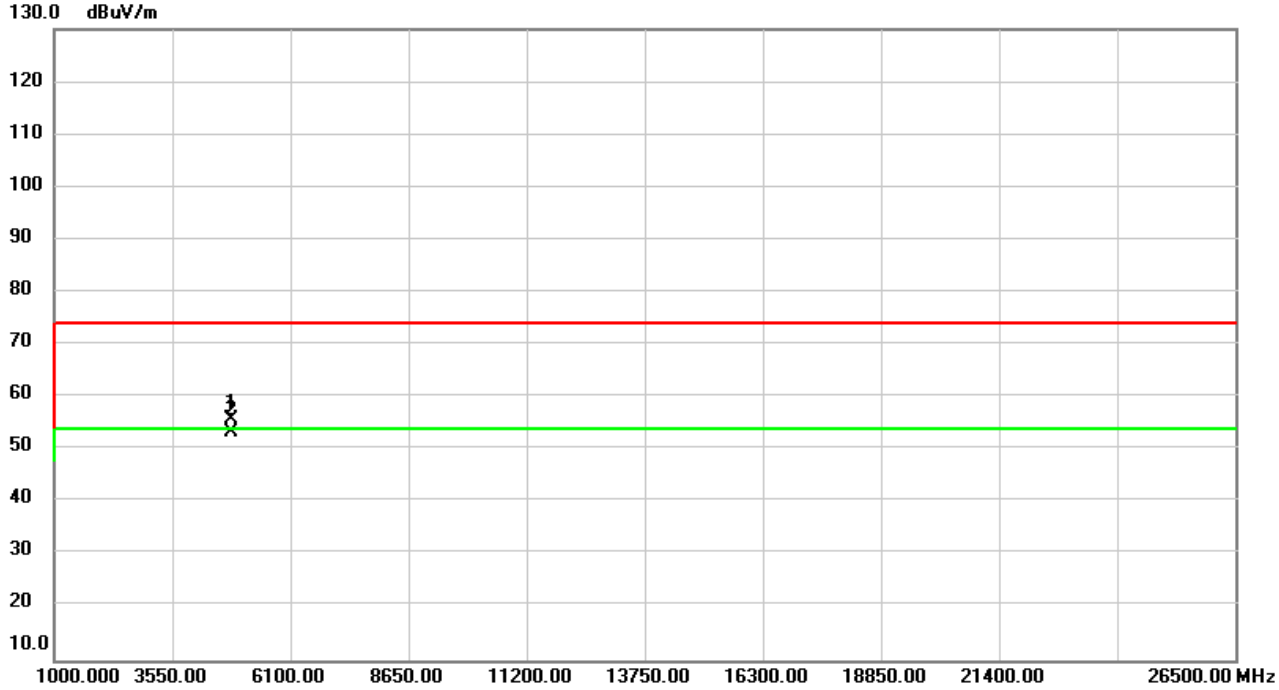
Test Mode	IEEE 802.11ax (HEW20)	Test Date	2020/8/7
Test Frequency	2412	Polarization	Vertical
Temp	23°C	Hum.	67%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	62.44	-9.93	52.51	74.00	-21.49	peak	
2	*	4824.000	59.62	-9.93	49.69	54.00	-4.31	AVG	

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

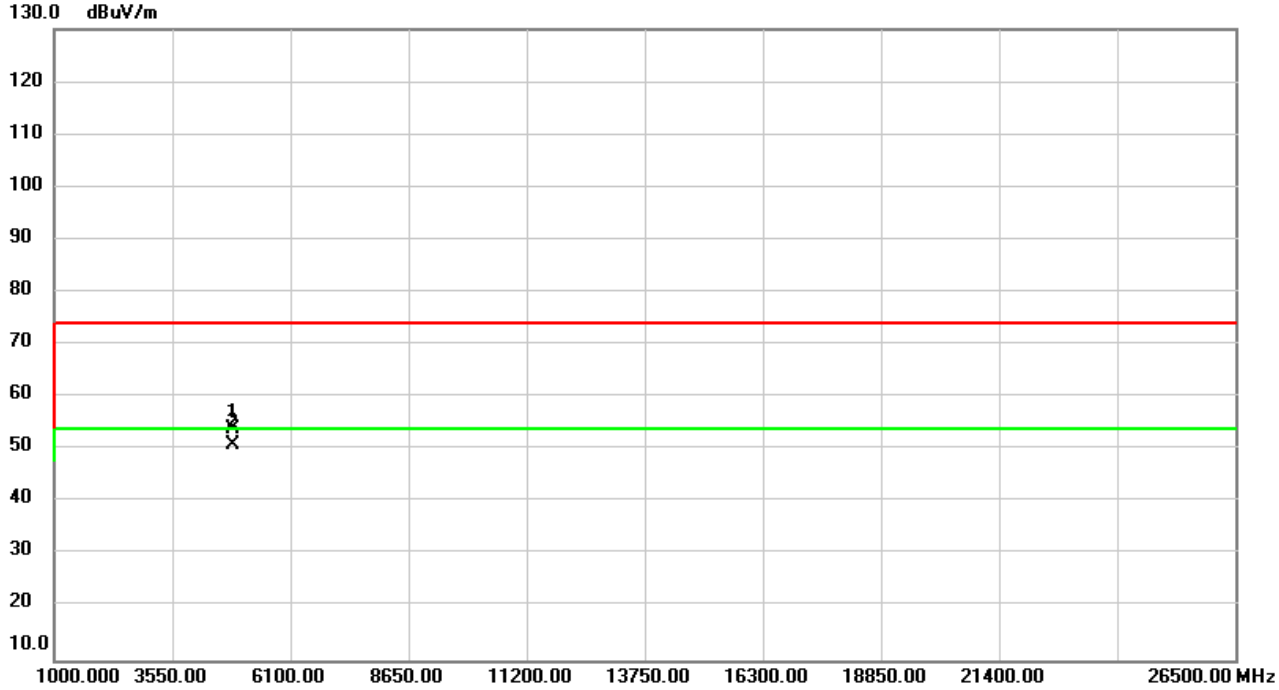
Test Mode	IEEE 802.11ax (HEW20)	Test Date	2020/8/7
Test Frequency	2412	Polarization	Horizontal
Temp	23°C	Hum.	67%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	65.79	-9.93	55.86	74.00	-18.14	peak	
2	*	4824.000	63.43	-9.93	53.50	54.00	-0.50	AVG	

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

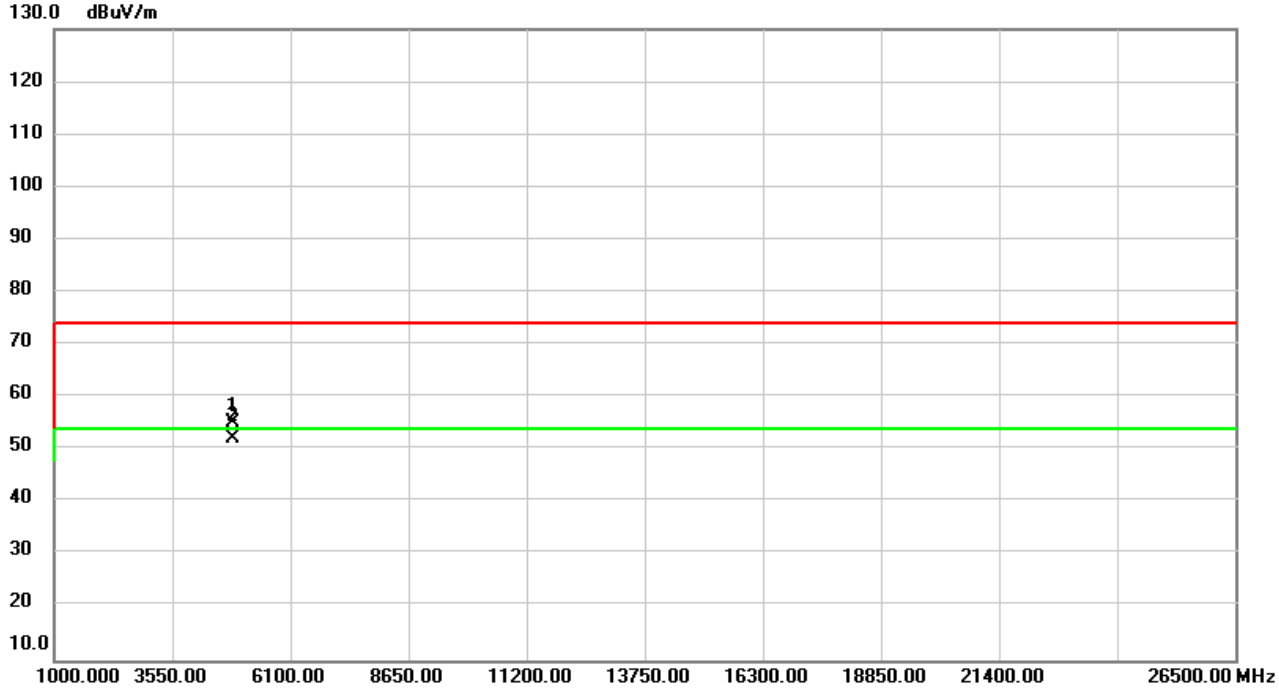
Test Mode	IEEE 802.11ax (HEW20)	Test Date	2020/8/7
Test Frequency	2437	Polarization	Vertical
Temp	23°C	Hum.	67%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	63.68	-9.74	53.94	74.00	-20.06	peak	
2	*	4874.000	60.61	-9.74	50.87	54.00	-3.13	AVG	

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

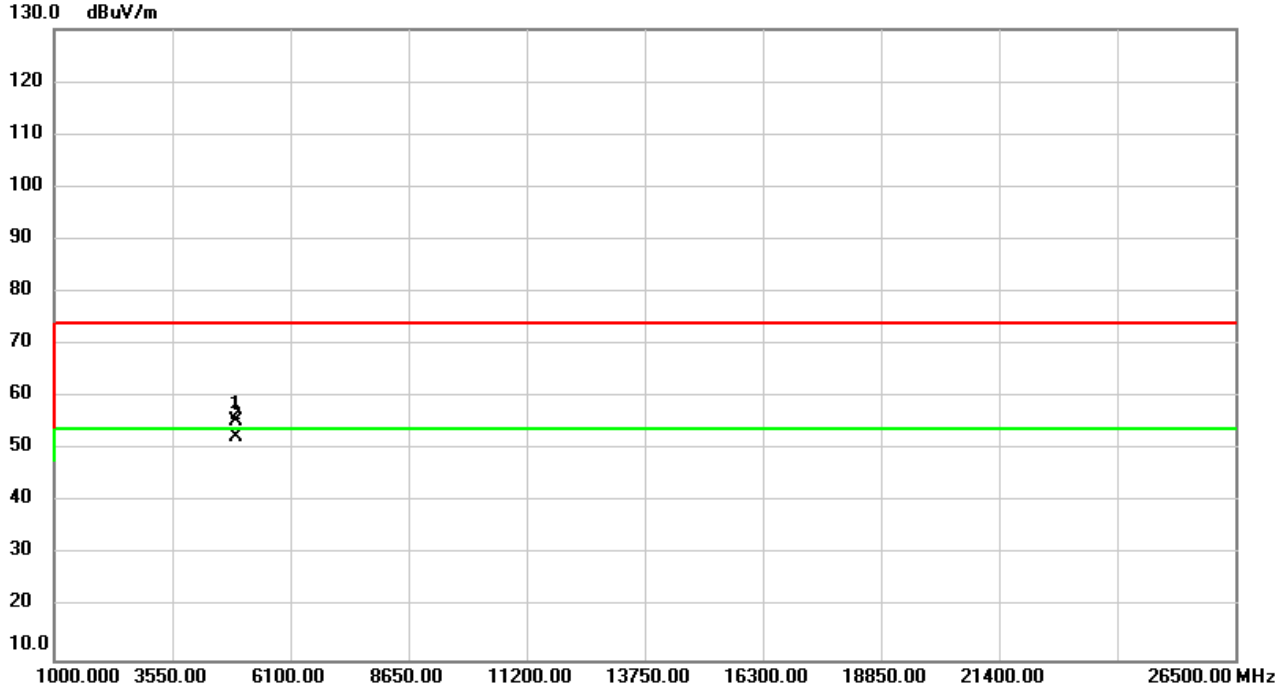
Test Mode	IEEE 802.11ax (HEW20)	Test Date	2020/8/7
Test Frequency	2437	Polarization	Horizontal
Temp	23°C	Hum.	67%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	64.81	-9.74	55.07	74.00	-18.93	peak	
2	*	4874.000	61.76	-9.74	52.02	54.00	-1.98	AVG	

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

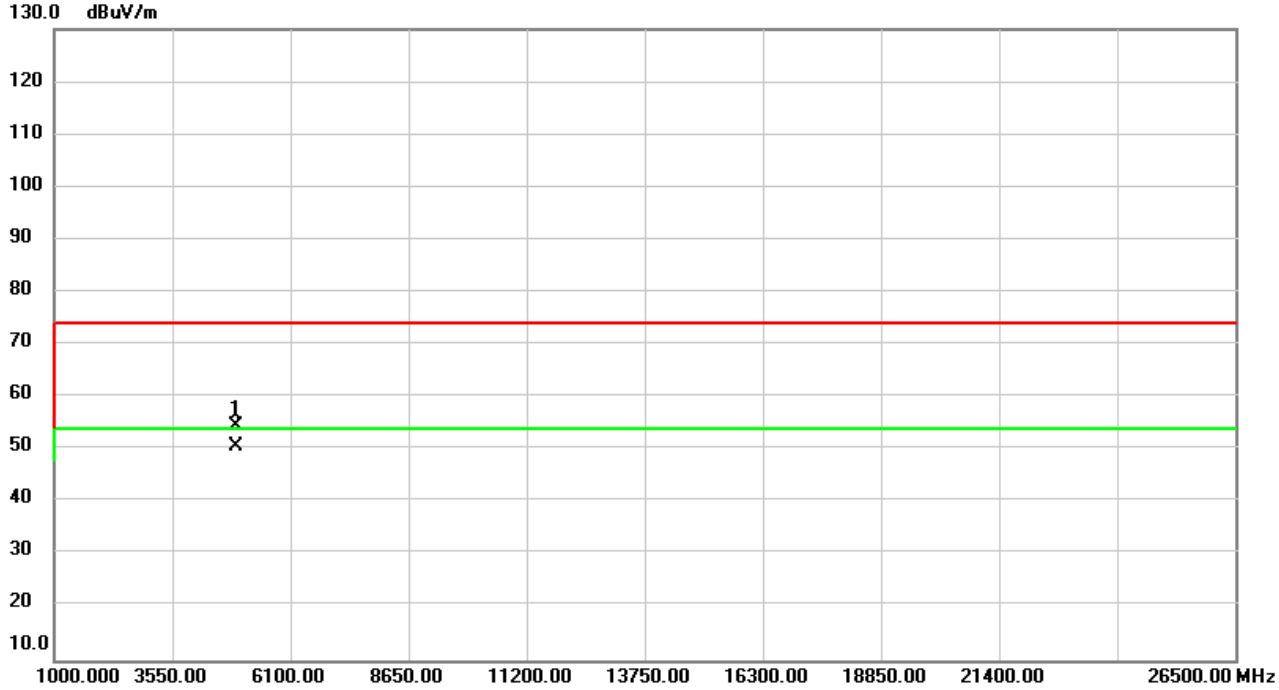
Test Mode	IEEE 802.11ax (HEW20)	Test Date	2020/8/7
Test Frequency	2462	Polarization	Vertical
Temp	23°C	Hum.	67%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	64.86	-9.55	55.31	74.00	-18.69	peak	
2	*	4924.000	62.13	-9.55	52.58	54.00	-1.42	AVG	

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

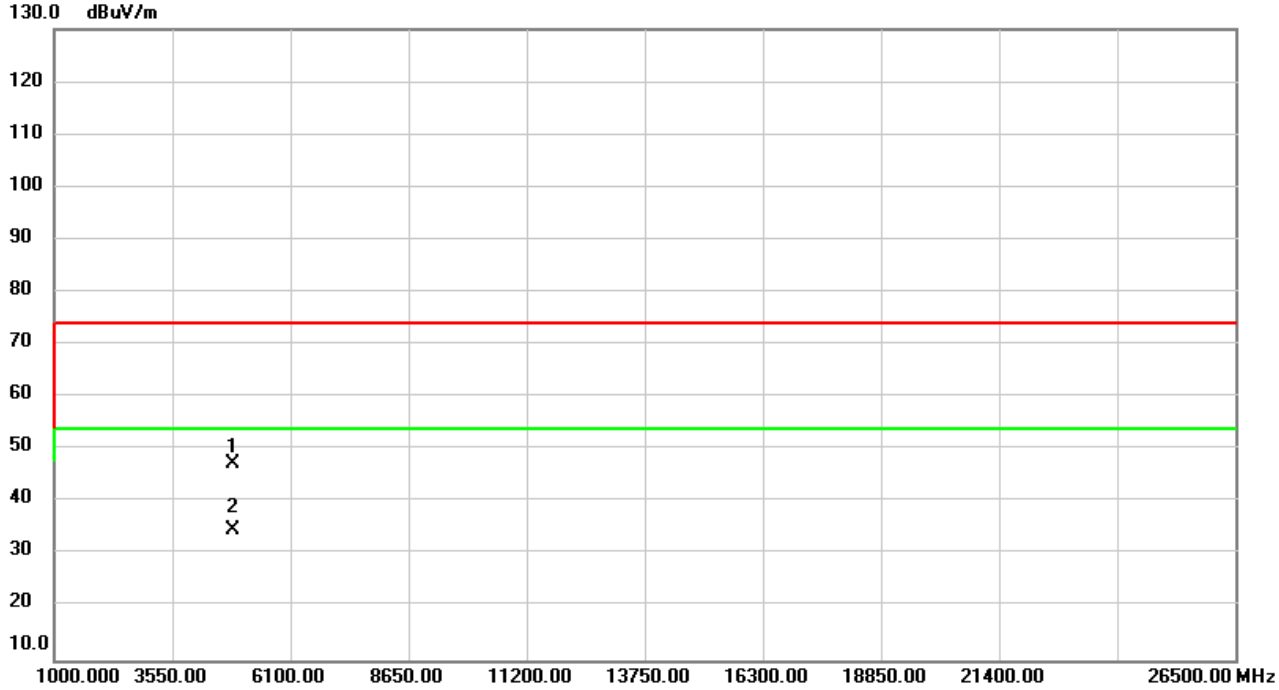
Test Mode	IEEE 802.11ax (HEW20)	Test Date	2020/8/7
Test Frequency	2462	Polarization	Horizontal
Temp	23°C	Hum.	67%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	64.05	-9.55	54.50	74.00	-19.50	peak	
2	*	4924.000	60.29	-9.55	50.74	54.00	-3.26	AVG	

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

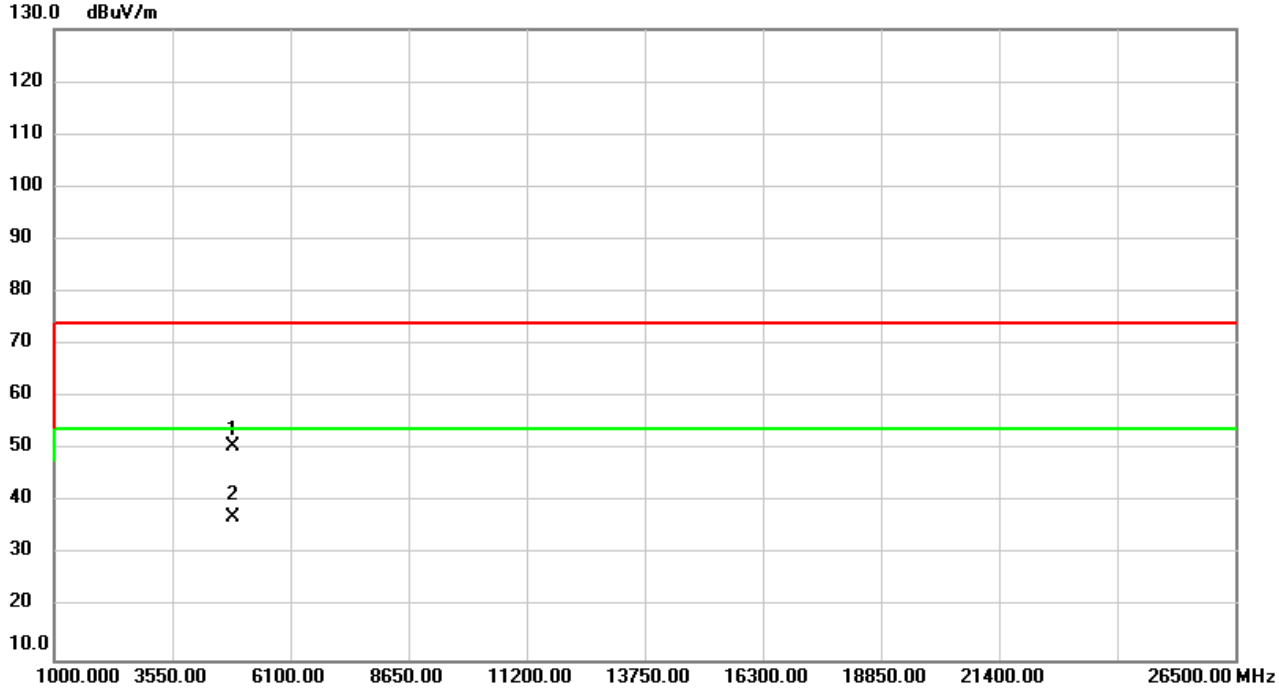
Test Mode	IEEE 802.11ax (HEW40)	Test Date	2020/8/7
Test Frequency	2422	Polarization	Vertical
Temp	23°C	Hum.	67%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4844.000	57.32	-9.85	47.47	74.00	-26.53	peak	
2	*	4844.000	44.54	-9.85	34.69	54.00	-19.31	AVG	

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

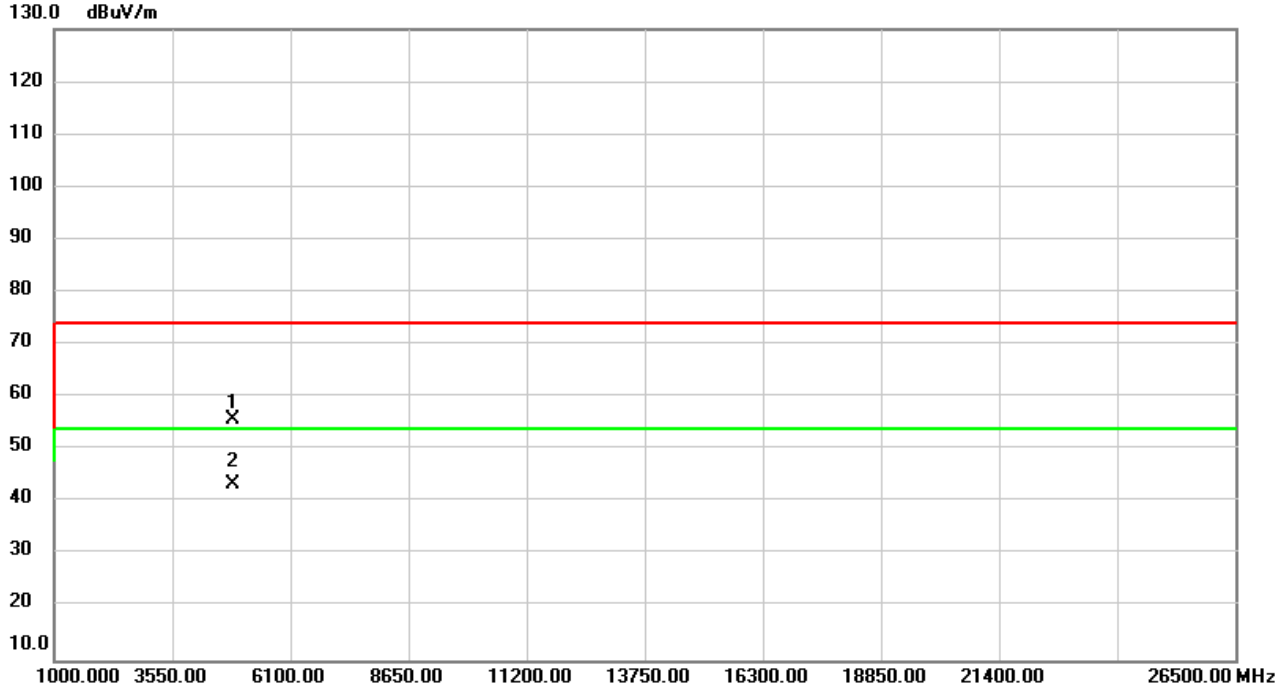
Test Mode	IEEE 802.11ax (HEW40)	Test Date	2020/8/7
Test Frequency	2422	Polarization	Horizontal
Temp	23°C	Hum.	67%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4844.000	60.43	-9.85	50.58	74.00	-23.42	peak	
2	*	4844.000	46.98	-9.85	37.13	54.00	-16.87	AVG	

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

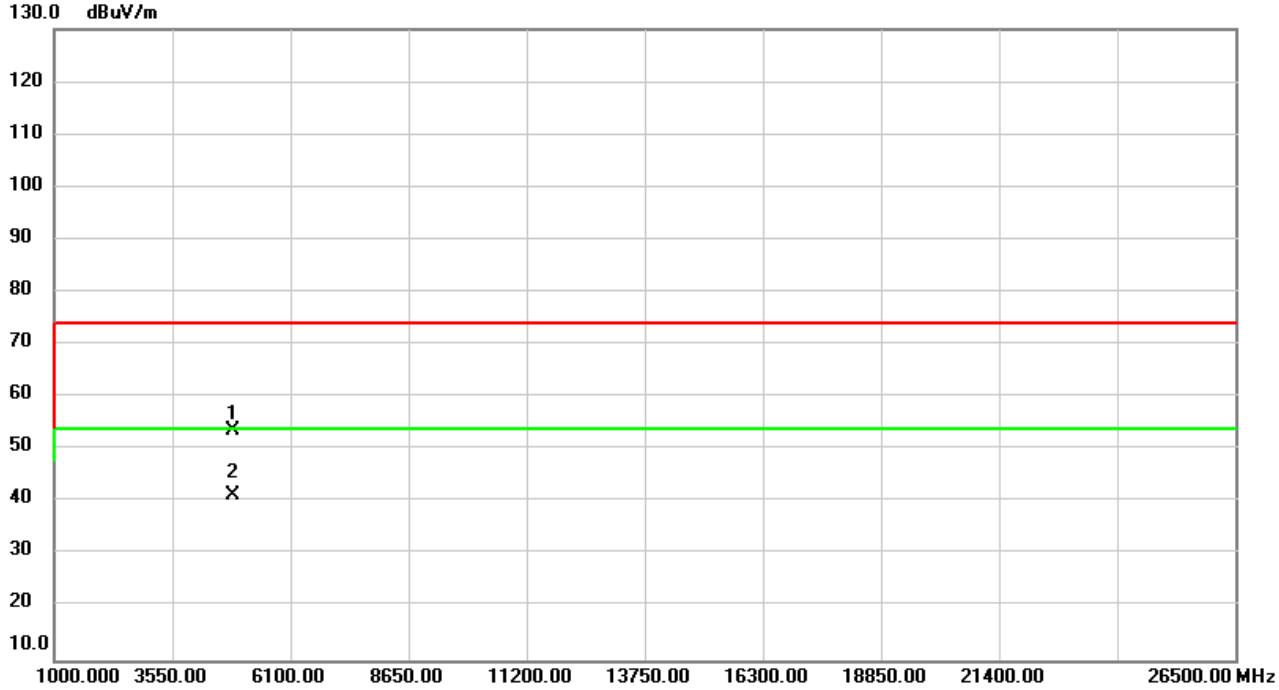
Test Mode	IEEE 802.11ax (HEW40)	Test Date	2020/8/7
Test Frequency	2437	Polarization	Vertical
Temp	23°C	Hum.	67%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	65.50	-9.74	55.76	74.00	-18.24	peak	
2	*	4874.000	53.25	-9.74	43.51	54.00	-10.49	AVG	

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

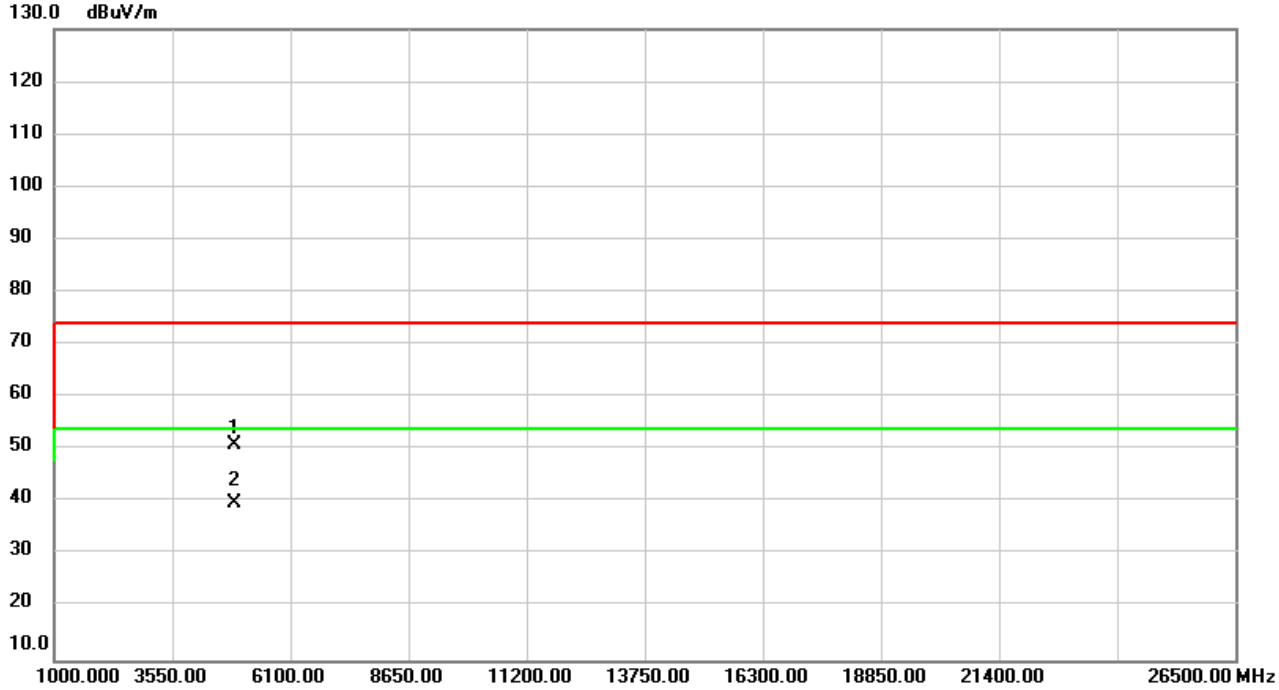
Test Mode	IEEE 802.11ax (HEW40)	Test Date	2020/8/7
Test Frequency	2437	Polarization	Horizontal
Temp	23°C	Hum.	67%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	63.25	-9.74	53.51	74.00	-20.49	peak	
2	*	4874.000	51.16	-9.74	41.42	54.00	-12.58	AVG	

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

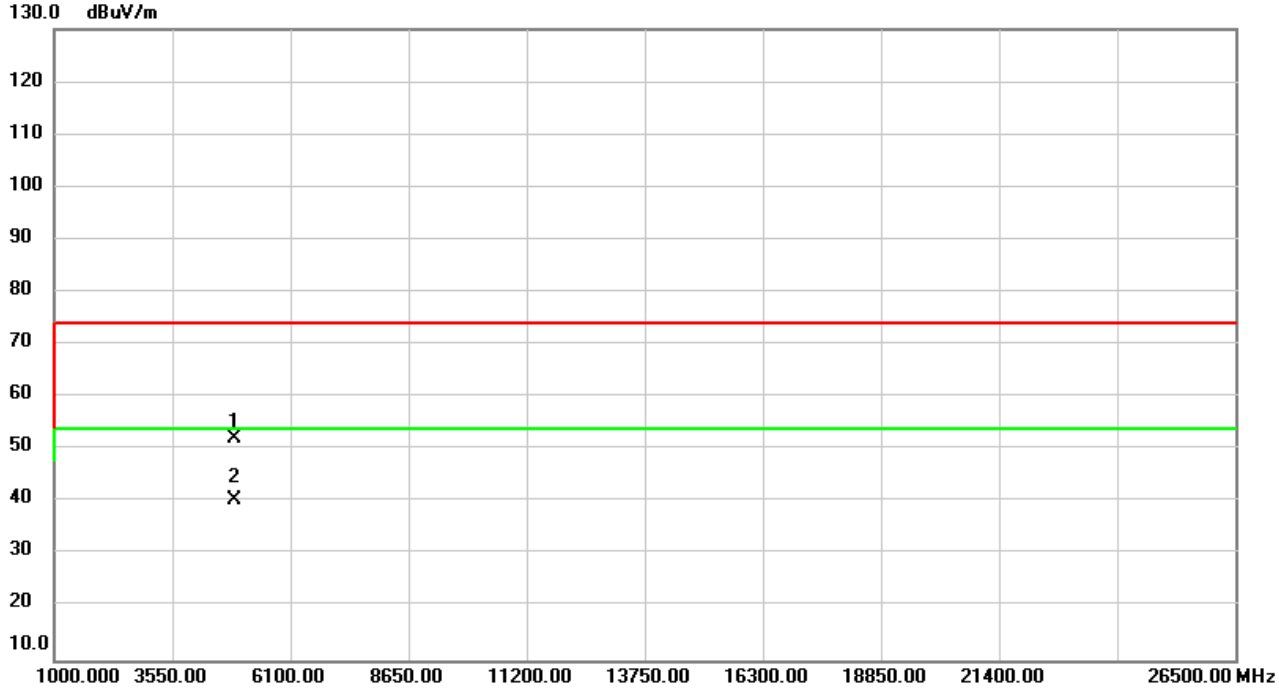
Test Mode	IEEE 802.11ax (HEW40)	Test Date	2020/8/7
Test Frequency	2452	Polarization	Vertical
Temp	23°C	Hum.	67%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4904.000	60.65	-9.63	51.02	74.00	-22.98	peak	
2	*	4904.000	49.53	-9.63	39.90	54.00	-14.10	AVG	

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

Test Mode	IEEE 802.11ax (HEW40)	Test Date	2020/8/7
Test Frequency	2452	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		4904.000	61.68	-9.63	52.05	74.00	-21.95	peak	
2	*	4904.000	50.10	-9.63	40.47	54.00	-13.53	AVG	

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

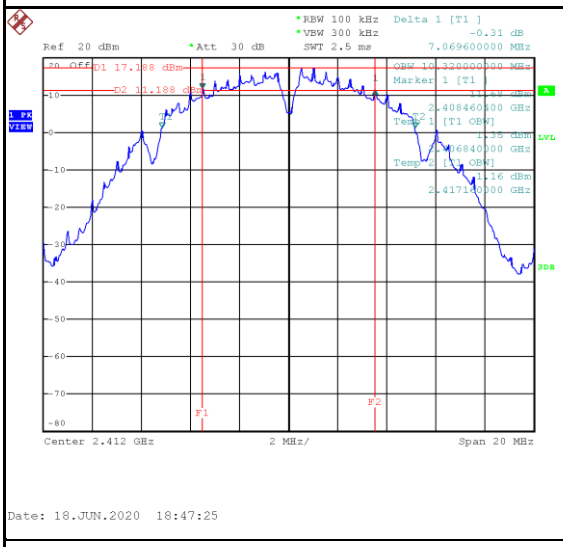
APPENDIX D BANDWIDTH

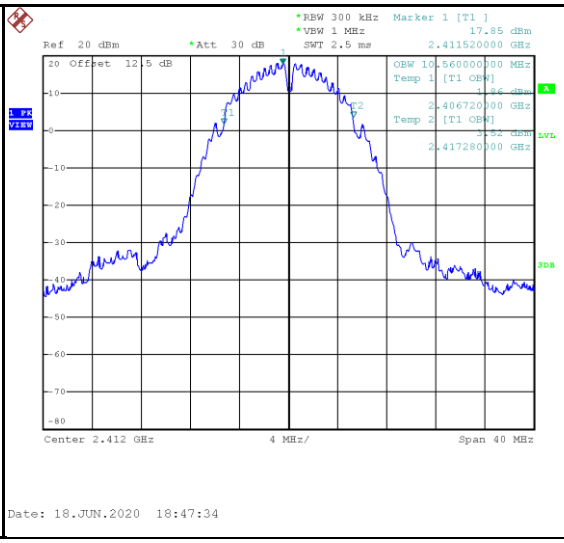
Test Mode	Non-Beamforming mode

Test Mode	IEEE 802.11b_ANT 1

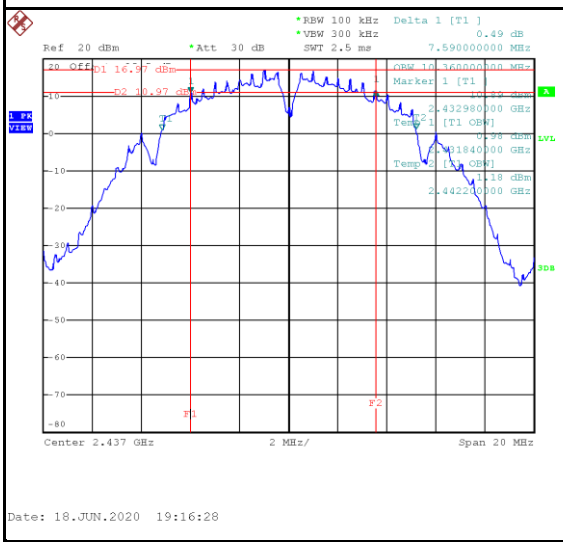
Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	7.07	10.56	≥ 500	Pass
2437	7.59	10.64	≥ 500	Pass
2462	7.02	10.56	≥ 500	Pass

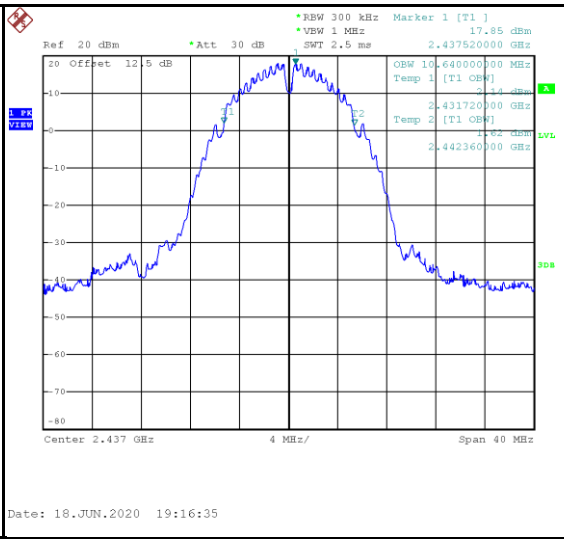
2412 MHz

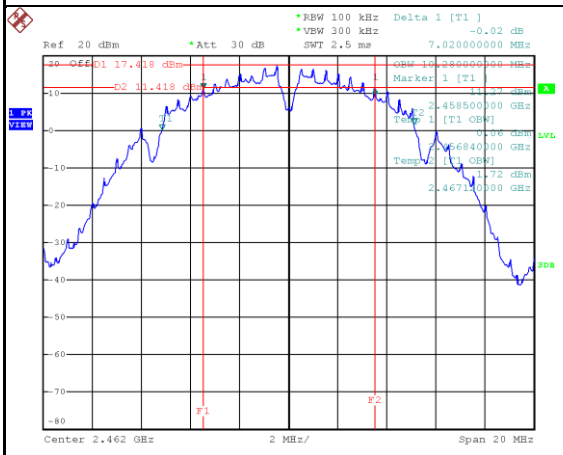
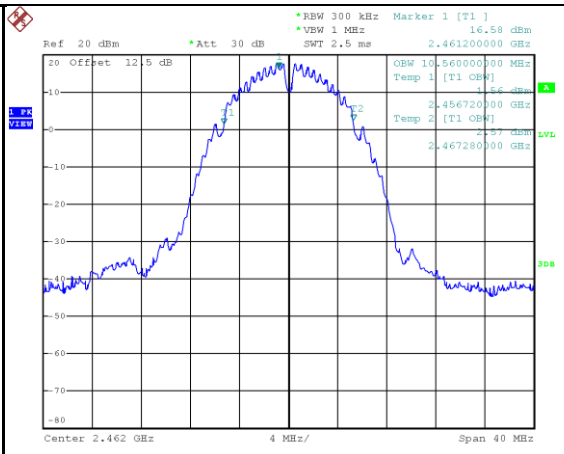




2437 MHz



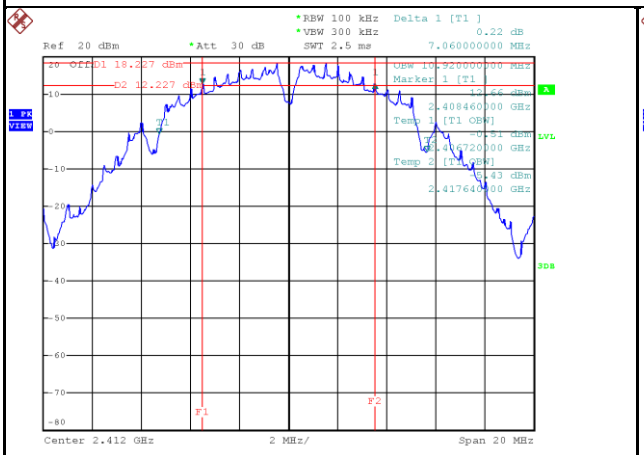


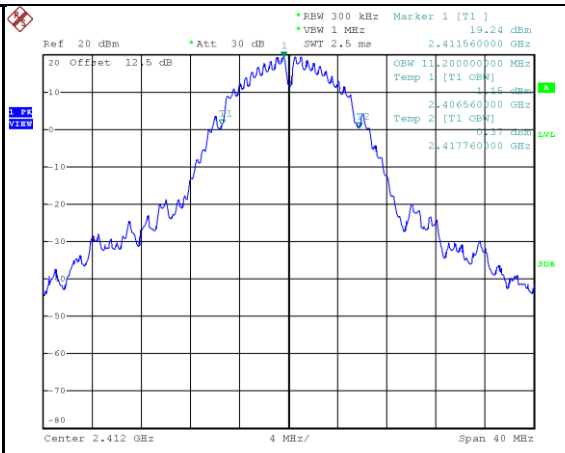
2462 MHz	
 *RBW 100 kHz *VBW 300 kHz SWT 2.5 ms Delta 1 [T1] -0.02 dB 7.020000000 MHz Ref 20 dBm *Att 30 dB Center 2.462 GHz 2 MHz/ Span 20 MHz Date: 18.JUN.2020 19:18:56	 *RBW 300 kHz *VBW 1 MHz SWT 2.5 ms Marker 1 [T1] 16.58 dBm 2.461200000 GHz Ref 20 dBm *Att 30 dB Center 2.462 GHz 4 MHz/ Span 40 MHz Date: 18.JUN.2020 19:19:04

Test Mode	IEEE 802.11b_ANT 2

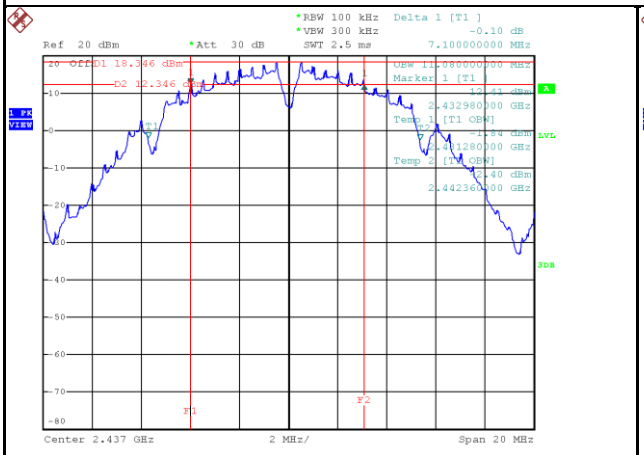
Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	7.06	11.20	≥ 500	Pass
2437	7.10	11.36	≥ 500	Pass
2462	6.65	11.04	≥ 500	Pass

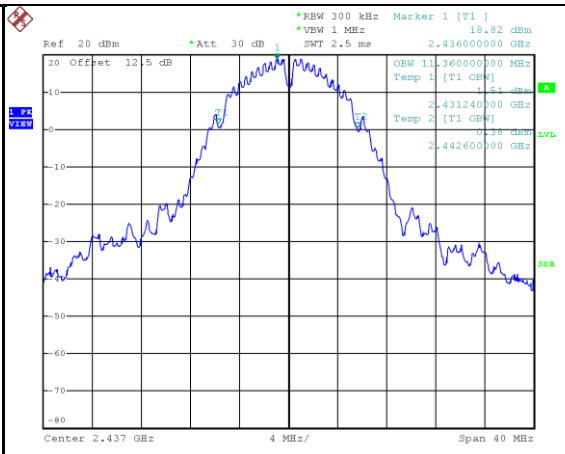
2412 MHz



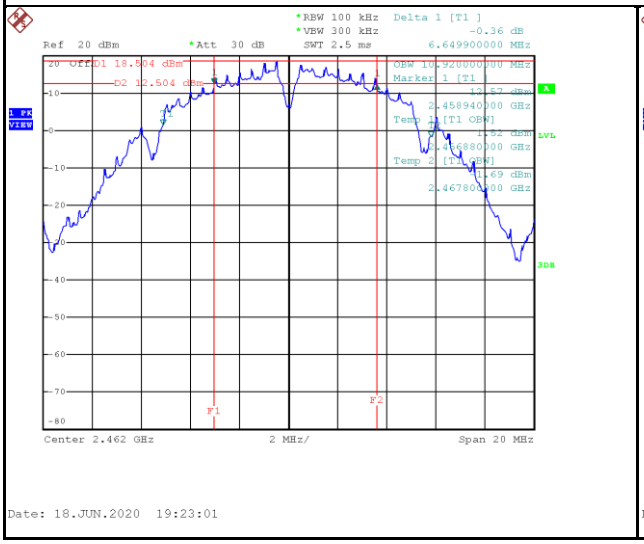


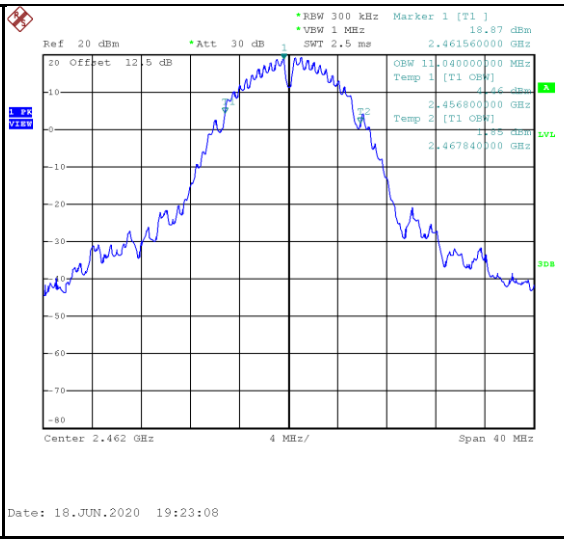
2437 MHz





2462 MHz

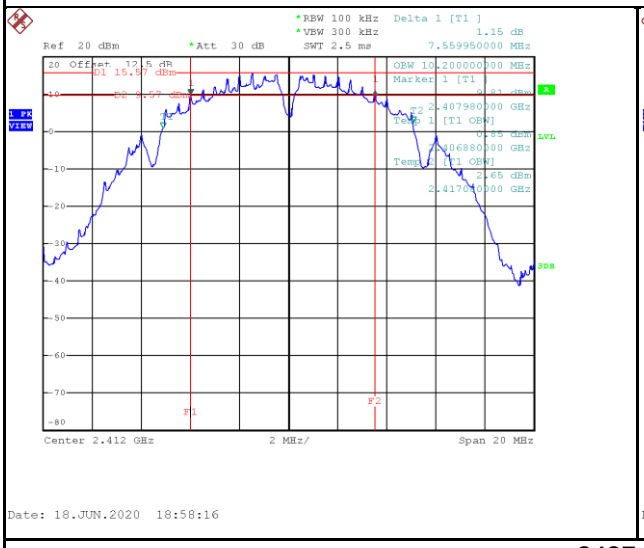

RBW 100 kHz
VBW 300 kHz
SWT 2.5 ms
Delta 1 [T1]
-0.36 dB
6.649900000 MHz
Ref 20 dBm
Att 30 dB
Offset 18.504 dBm
D2 12.504 dBm
OBW 10.920000000 MHz
Marker 1 [T1]
12.57 dBm
2.458940000 GHz
Temp 1 [T1 OBW]
12.32 dBm
2.456880000 GHz
Temp 2 [T1 OBW]
11.69 dBm
2.467800000 GHz
F1
F2
Center 2.462 GHz
2 MHz/
Span 20 MHz
Date: 18.JUN.2020 19:23:01

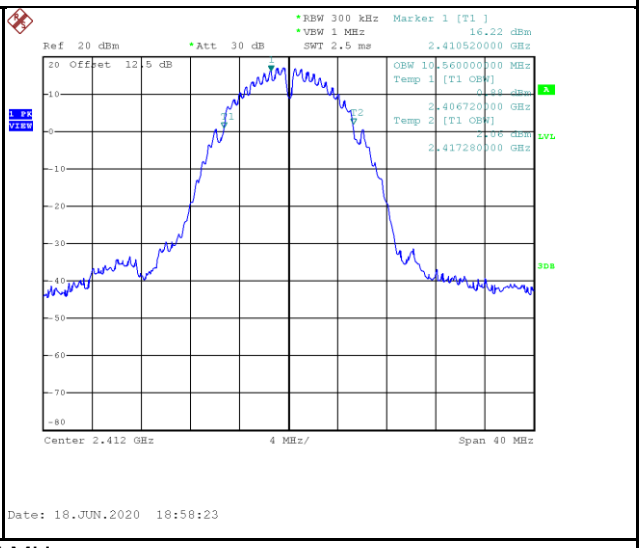

RBW 300 kHz
VBW 1 MHz
SWT 2.5 ms
Marker 1 [T1]
18.87 dBm
2.461560000 GHz
Ref 20 dBm
Att 30 dB
Offset 12.5 dB
OBW 11.040000000 MHz
Temp 1 [T1 OBW]
2.456800000 GHz
Temp 2 [T1 OBW]
2.467840000 GHz
Center 2.462 GHz
4 MHz/
Span 40 MHz
Date: 18.JUN.2020 19:23:08

Test Mode	IEEE 802.11b_ANT 3

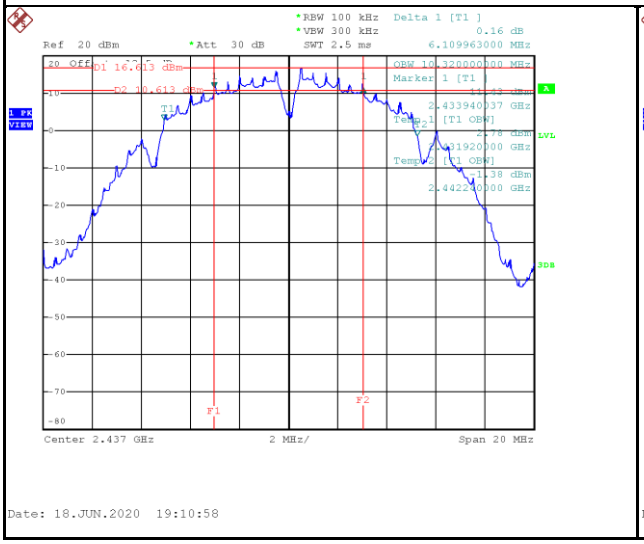
Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	7.56	10.56	≥ 500	Pass
2437	6.11	10.64	≥ 500	Pass
2462	6.60	10.56	≥ 500	Pass

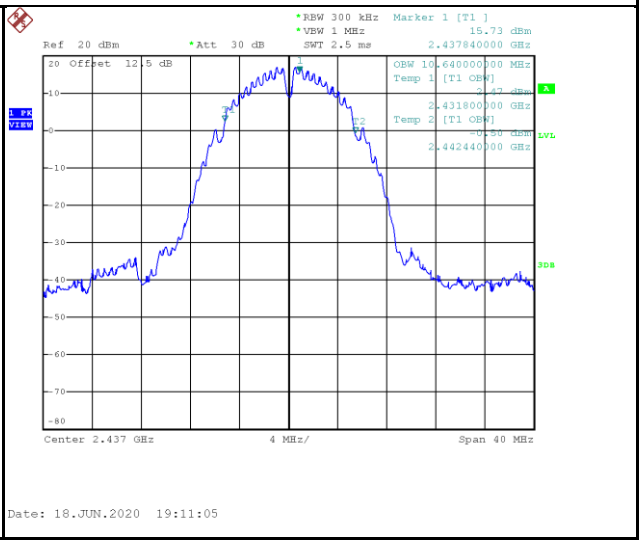
2412 MHz



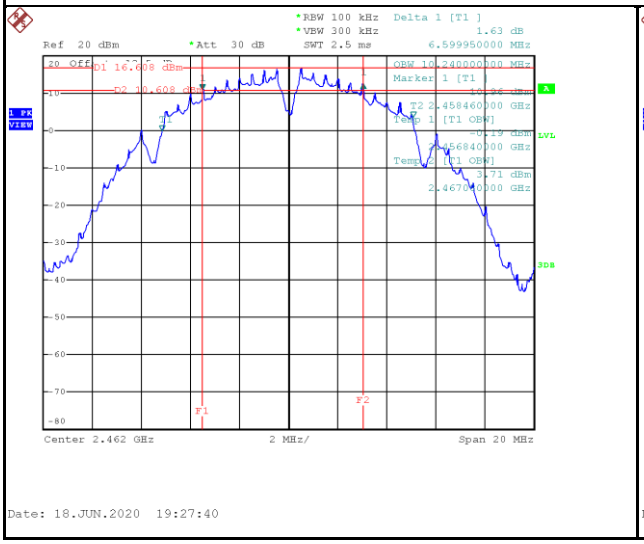


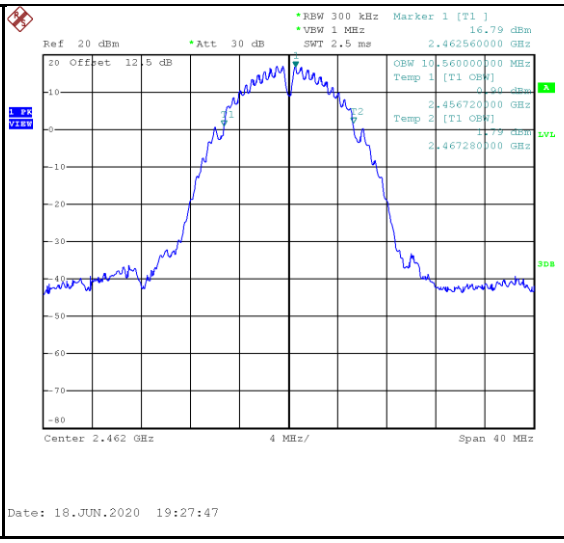
2437 MHz





2462 MHz

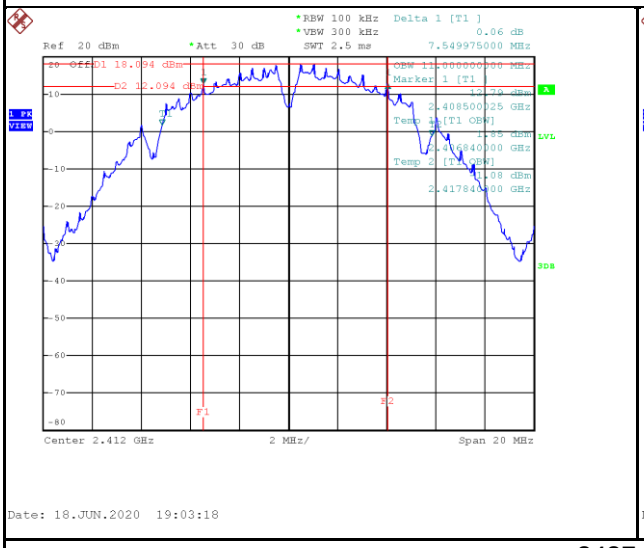

RBW 100 kHz
VBW 300 kHz
SWT 2.5 ms
Delta 1 [T1]
1.63 dB
6.599950000 MHz
Ref 20 dBm
Att 30 dB
OBW 10.240000000 MHz
Marker 1 [T1]
T2 2.458460000 GHz
Temp 1 [T1 OBW]
2.456840000 GHz
Temp 2 [T1 OBW]
3.71 dBm
2.467080000 GHz
Center 2.462 GHz
2 MHz/
Span 20 MHz
Date: 18.JUN.2020 19:27:40

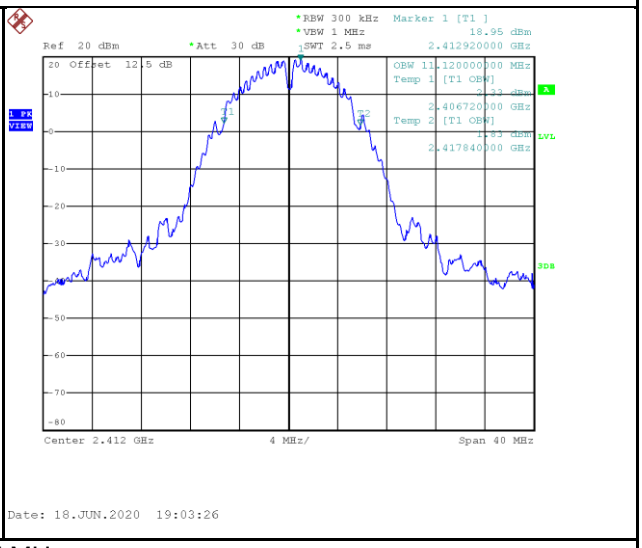

RBW 300 kHz
VBW 1 MHz
SWT 2.5 ms
Marker 1 [T1]
16.79 dBm
2.462560000 GHz
Ref 20 dBm
Att 30 dB
Offset 12.5 dB
OBW 10.560000000 MHz
Temp 1 [T1 OBW]
2.456720000 GHz
Temp 2 [T1 OBW]
2.467280000 GHz
Center 2.462 GHz
4 MHz/
Span 40 MHz
Date: 18.JUN.2020 19:27:47

Test Mode	IEEE 802.11b_ANT 4

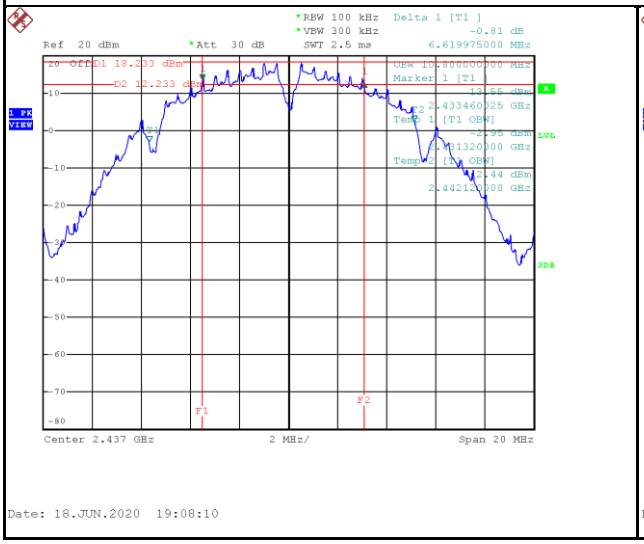
Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	7.55	11.12	≥ 500	Pass
2437	6.62	11.04	≥ 500	Pass
2462	7.10	11.04	≥ 500	Pass

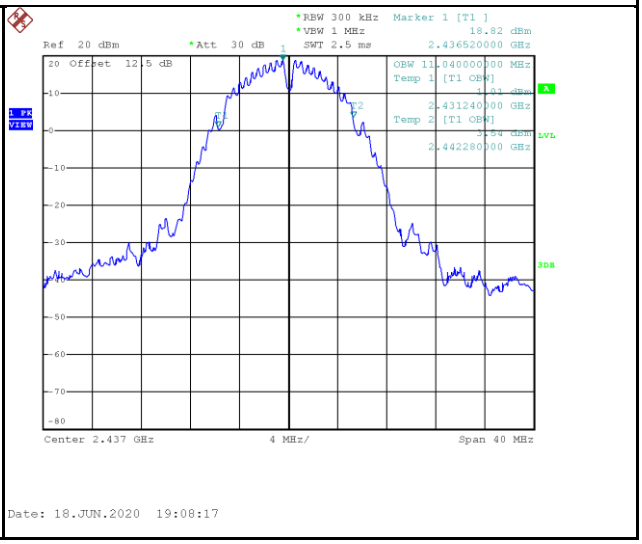
2412 MHz



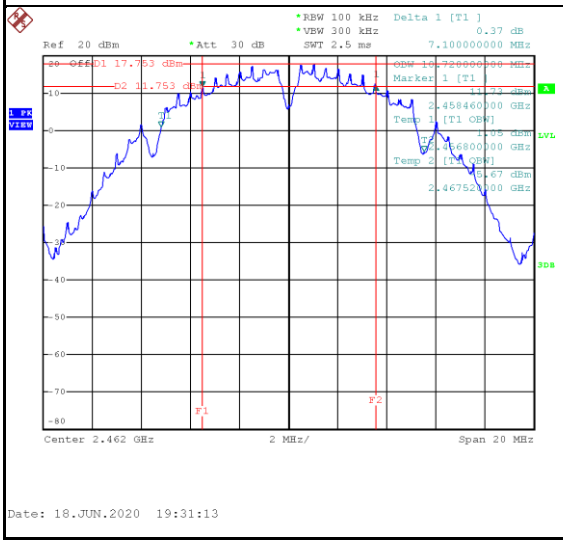


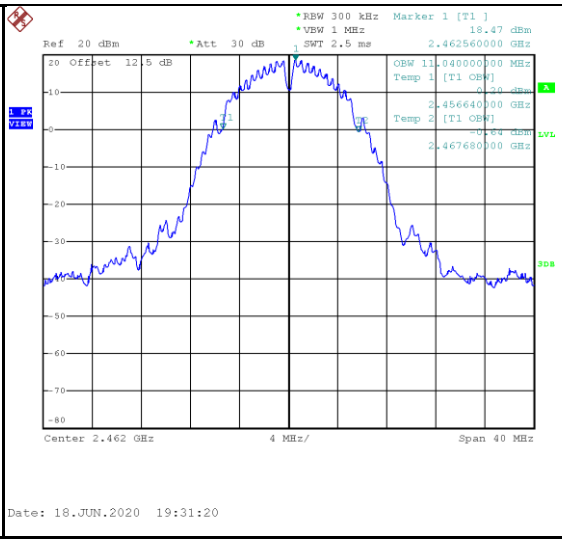
2437 MHz





2462 MHz

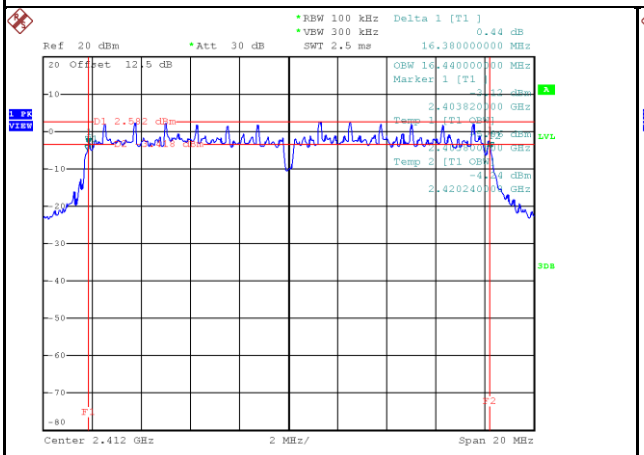

RBW 100 kHz
VBW 300 kHz
SWT 2.5 ms
Delta 1 [T1]
0.37 dB
7.100000000 MHz
Ref 20 dBm
Att 30 dB
Center 2.462 GHz
2 MHz/
Span 20 MHz
Date: 18.JUN.2020 19:31:13

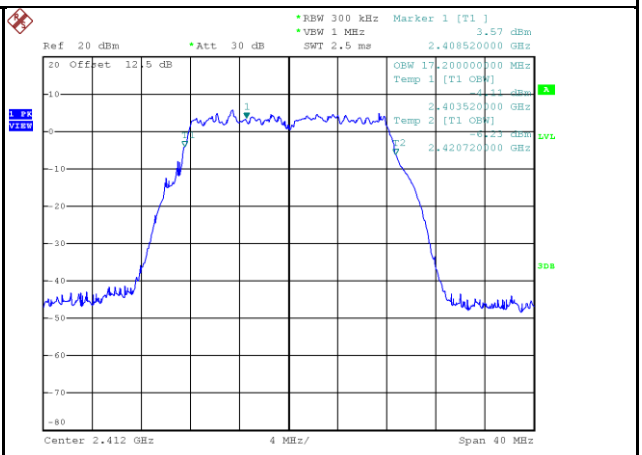

RBW 300 kHz
VBW 1 MHz
SWT 2.5 ms
Marker 1 [T1]
18.47 dBm
2.462560000 GHz
Ref 20 dBm
Att 30 dB
Offset 12.5 dB
Center 2.462 GHz
4 MHz/
Span 40 MHz
Date: 18.JUN.2020 19:31:20

Test Mode	IEEE 802.11g_ANT 1

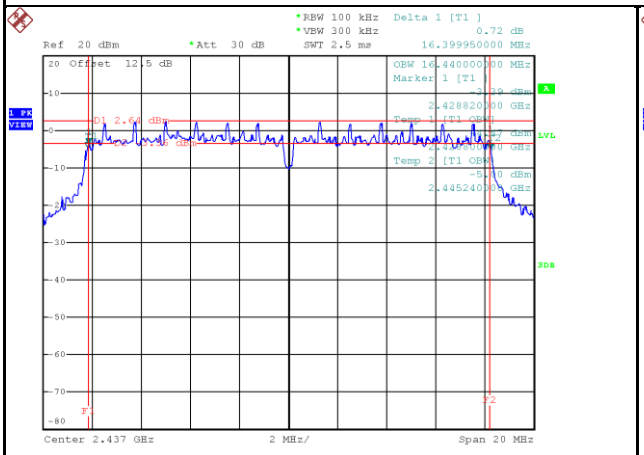
Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	16.38	17.20	≥ 500	Pass
2437	16.40	17.12	≥ 500	Pass
2462	16.38	17.20	≥ 500	Pass

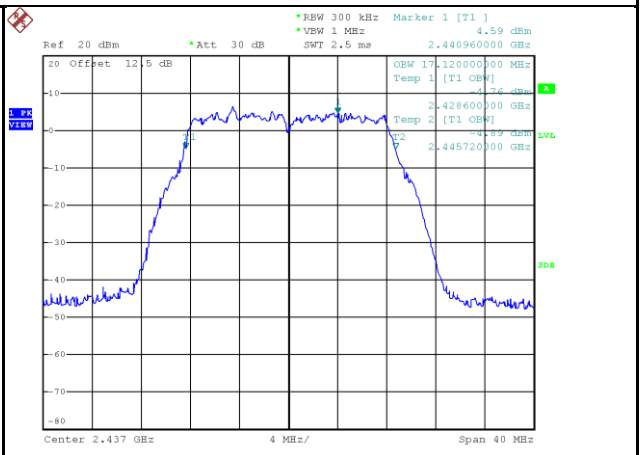
2412 MHz



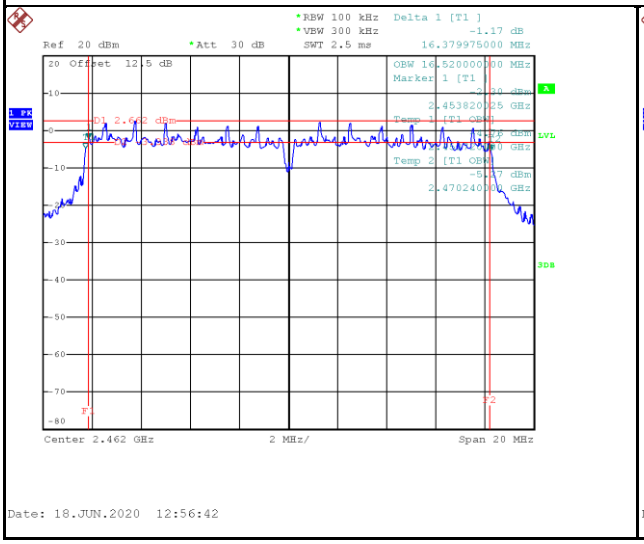


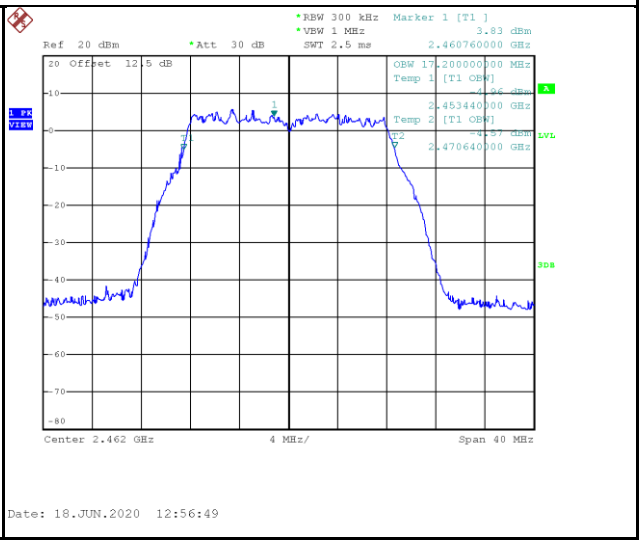
2437 MHz





2462 MHz

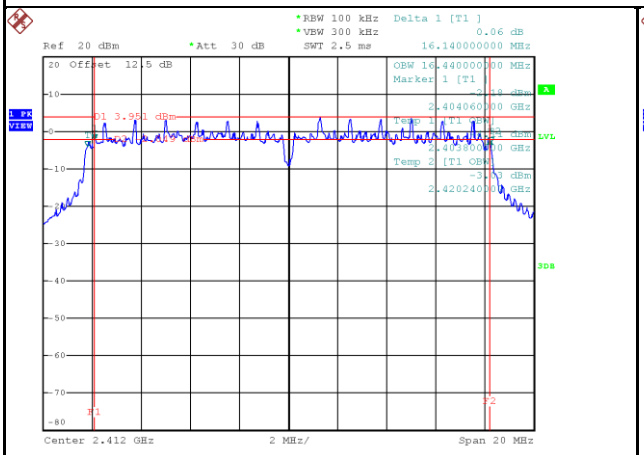

RBW 100 kHz
VBW 300 kHz
SWT 2.5 ms
Delta 1 [T1]
-1.17 dB
16.379975000 MHz
Ref 20 dBm
Att 30 dB
Offset 12.5 dB
OBW 16.520000000 MHz
Marker 1 [T1]
2.453820025 GHz
Temp 1 [T1 OBW]
Temp 2 [T1 OBW]
2.470240000 GHz
Center 2.462 GHz
2 MHz/
Span 20 MHz
Date: 18.JUN.2020 12:56:42

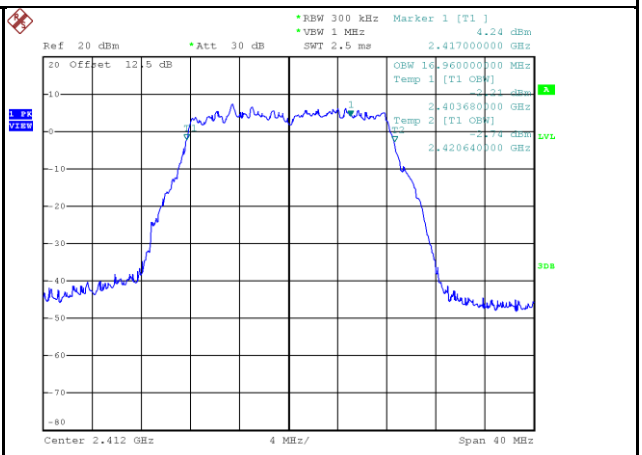

RBW 300 kHz
VBW 1 MHz
SWT 2.5 ms
Marker 1 [T1]
3.83 dBm
2.460760000 GHz
Ref 20 dBm
Att 30 dB
Offset 12.5 dB
OBW 17.200000000 MHz
Temp 1 [T1 OBW]
2.453440000 GHz
Temp 2 [T1 OBW]
2.470640000 GHz
Center 2.462 GHz
4 MHz/
Span 40 MHz
Date: 18.JUN.2020 12:56:49

Test Mode	IEEE 802.11g_ANT 2

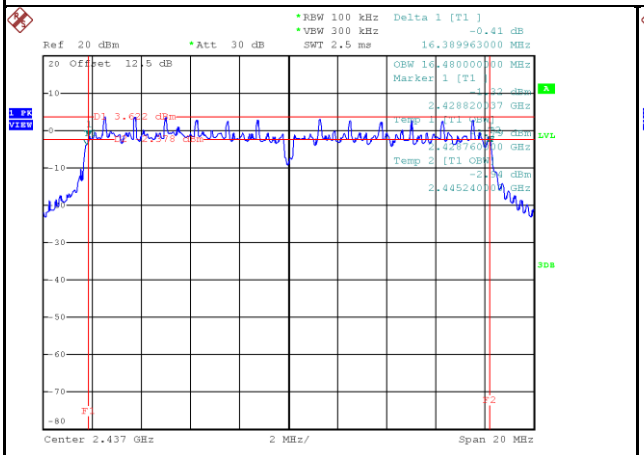
Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	16.14	16.96	≥ 500	Pass
2437	16.39	17.20	≥ 500	Pass
2462	15.79	17.04	≥ 500	Pass

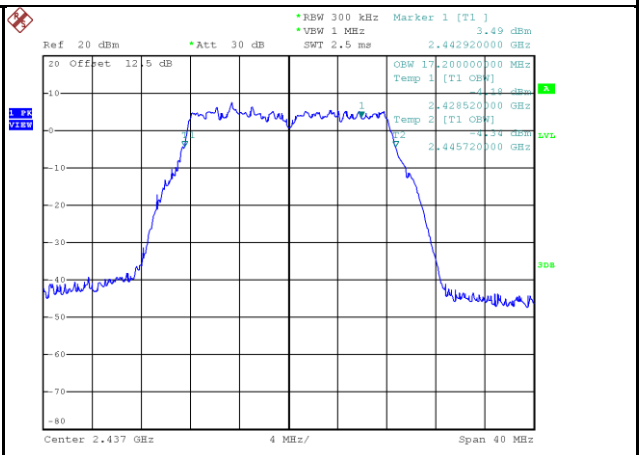
2412 MHz



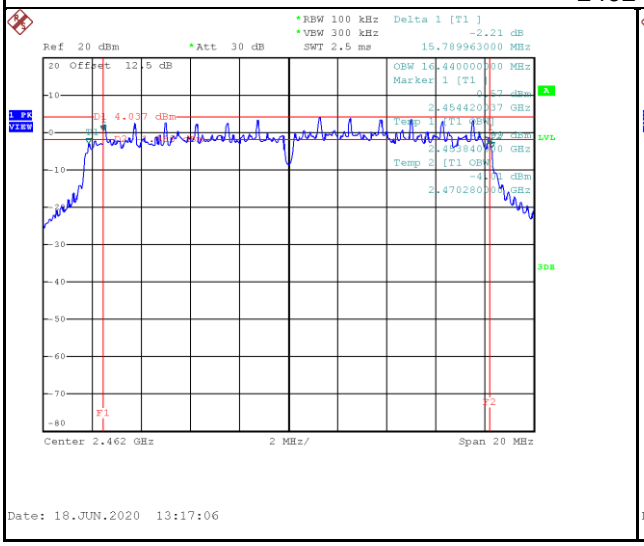


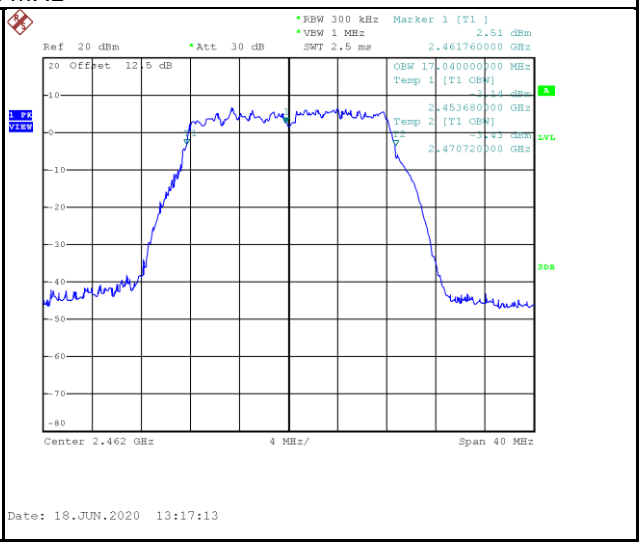
2437 MHz





2462 MHz

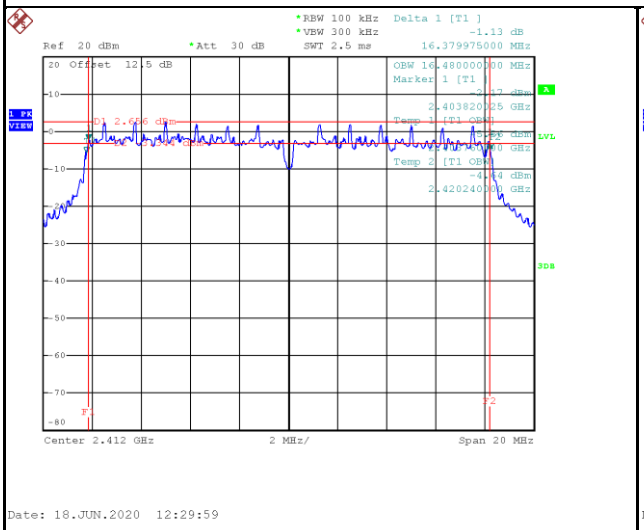

*RBW 100 kHz
*VBW 300 kHz
SWT 2.5 ms
Delta 1 [T1]
-2.21 dB
15.789963000 MHz
Ref 20 dBm
*Att 30 dB
20 Offset 12.5 dB
OBW 16.440000000 MHz
Marker 1 [T1
2.454420037 GHz
D1 4.037 dBm
Temp 1 [T1 OBW]
Temp 2 [T1 OBW]
2.470280000 GHz
F1
F2
Center 2.462 GHz
2 MHz/
Span 20 MHz
Date: 18.JUN.2020 13:17:06

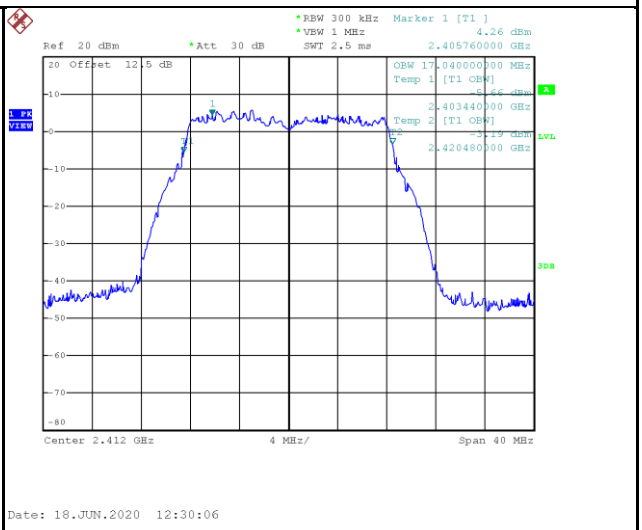

*RBW 300 kHz
*VBW 1 MHz
SWT 2.5 ms
Marker 1 [T1]
2.51 dBm
2.461760000 GHz
Ref 20 dBm
*Att 30 dB
20 Offset 12.5 dB
OBW 17.040000000 MHz
Temp 1 [T1 OBW]
Temp 2 [T1 OBW]
2.453680000 GHz
2.470720000 GHz
Center 2.462 GHz
4 MHz/
Span 40 MHz
Date: 18.JUN.2020 13:17:13

Test Mode	IEEE 802.11g_ANT 3

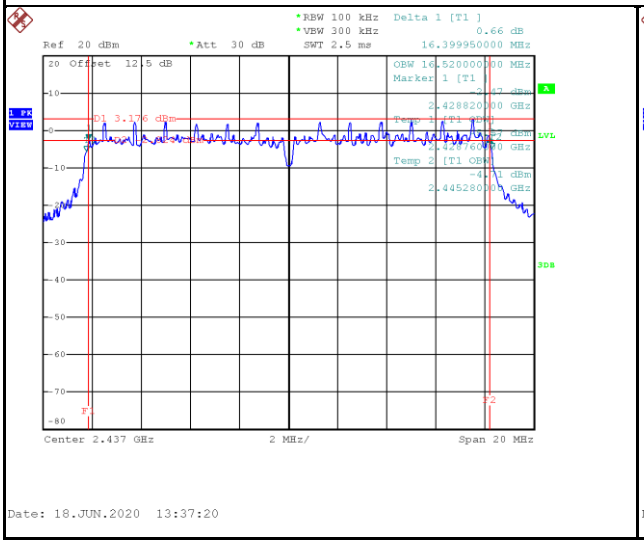
Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	16.38	17.04	≥ 500	Pass
2437	16.40	17.20	≥ 500	Pass
2462	16.36	16.96	≥ 500	Pass

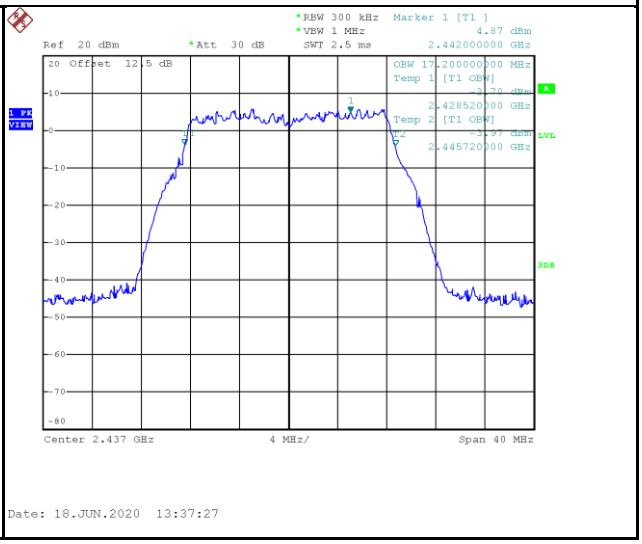
2412 MHz



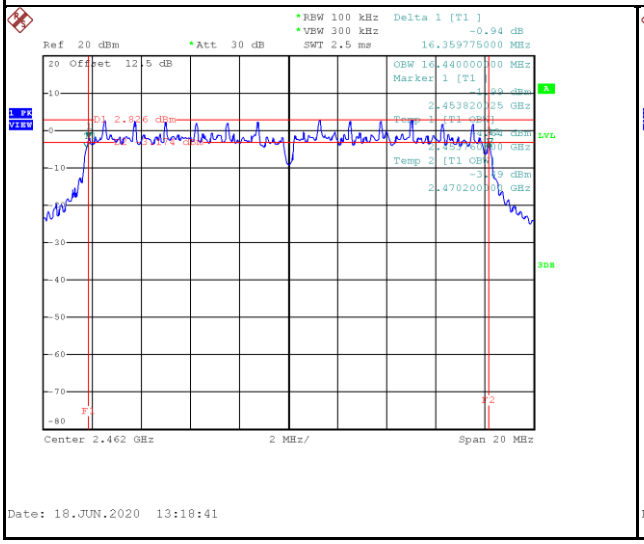


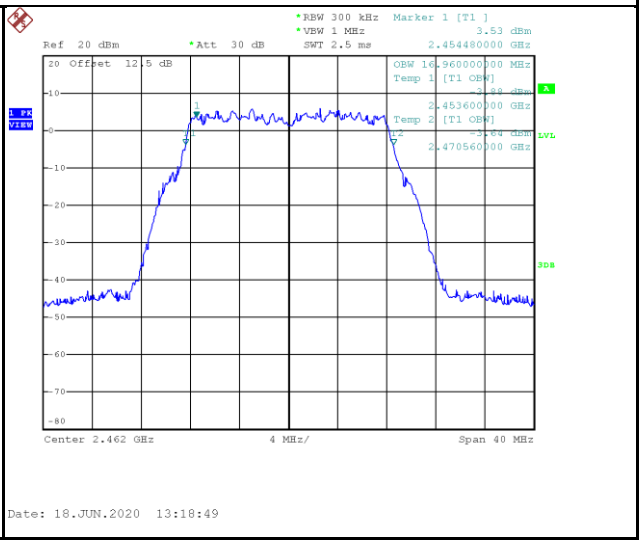
2437 MHz





2462 MHz

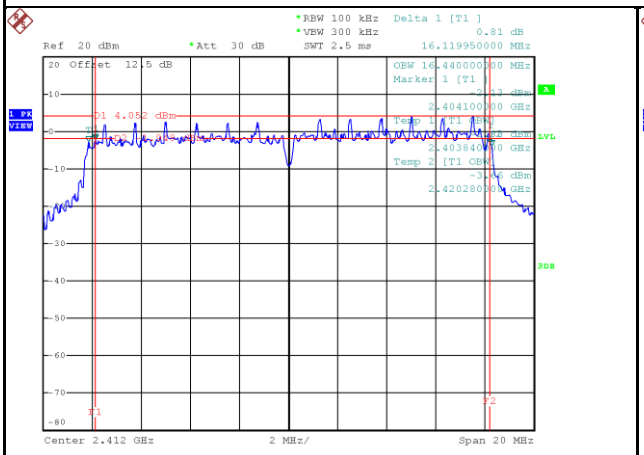

RBW 100 kHz
VBW 300 kHz
SWT 2.5 ms
Delta 1 [T1]
-0.94 dB
16.359775000 MHz
Ref 20 dBm
Att 30 dB
Offset 12.5 dB
OBW 16.440000000 MHz
Marker 1 [T1
2.453820225 GHz
Temp 1 [T1 OBW]
2.453560000 GHz
Temp 2 [T1 OBW]
2.470200000 GHz
Center 2.462 GHz
2 MHz/
Span 20 MHz
Date: 18.JUN.2020 13:18:41

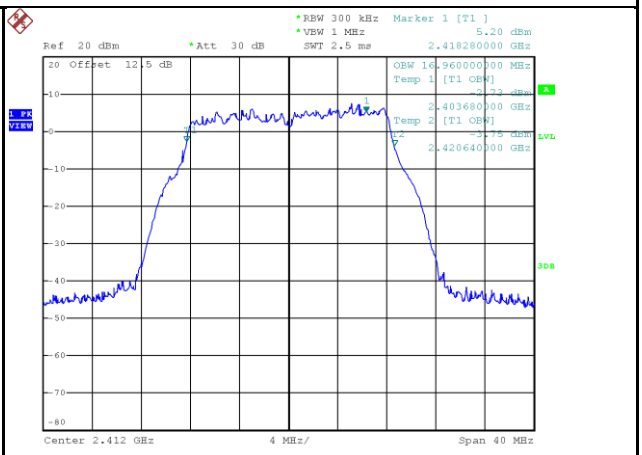

RBW 300 kHz
VBW 1 MHz
SWT 2.5 ms
Marker 1 [T1]
3.53 dBm
2.454480000 GHz
Ref 20 dBm
Att 30 dB
Offset 12.5 dB
OBW 16.960000000 MHz
Temp 1 [T1 OBW]
2.453600000 GHz
Temp 2 [T1 OBW]
2.470560000 GHz
Center 2.462 GHz
4 MHz/
Span 40 MHz
Date: 18.JUN.2020 13:18:49

Test Mode	IEEE 802.11g_ANT 4

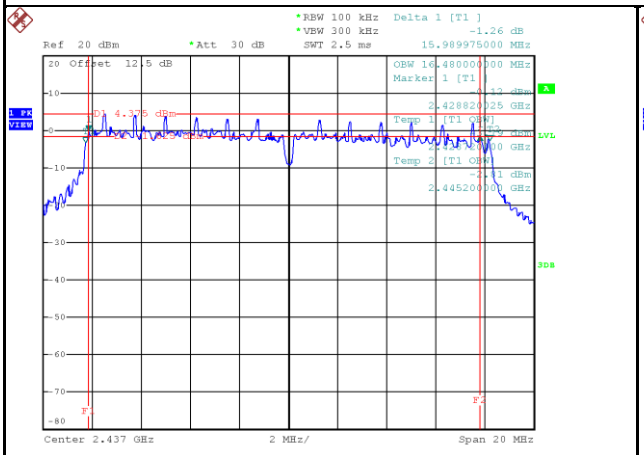
Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	16.12	16.96	≥ 500	Pass
2437	15.99	17.12	≥ 500	Pass
2462	16.40	17.12	≥ 500	Pass

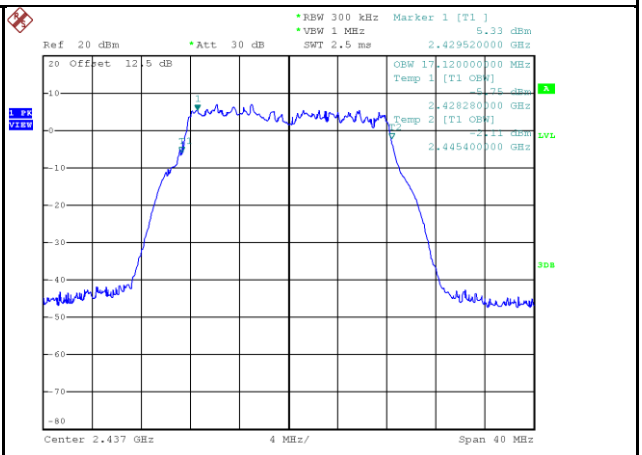
2412 MHz



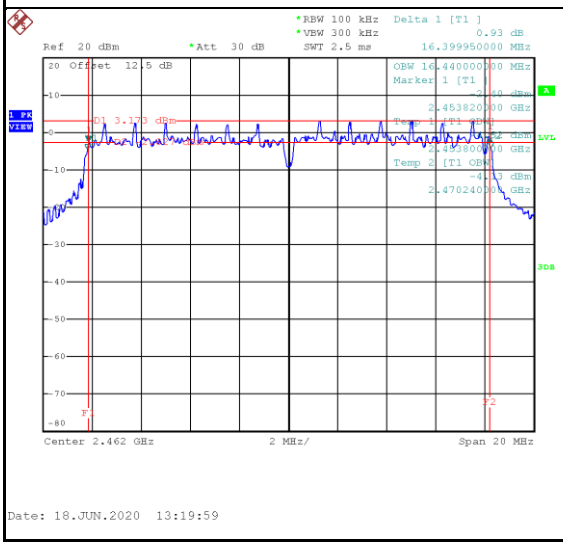


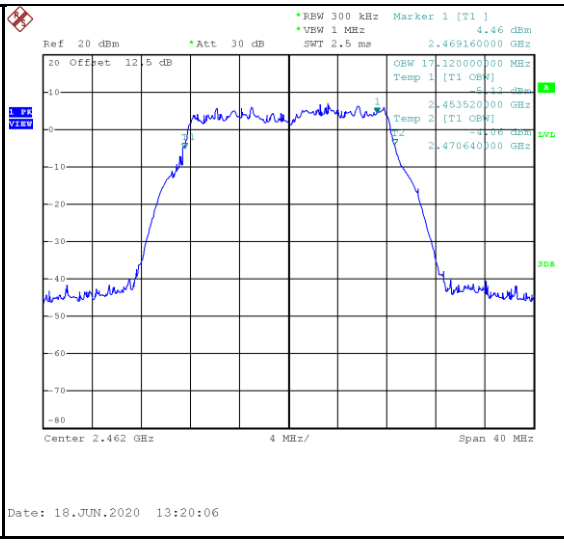
2437 MHz





2462 MHz

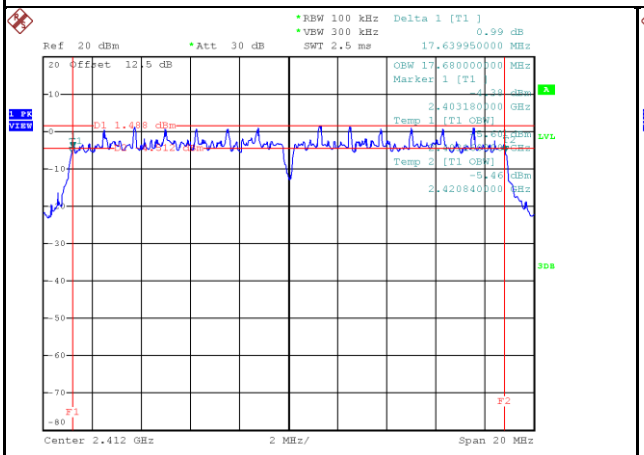

*RBW 100 kHz
*VBW 300 kHz
SWT 2.5 ms
Delta 1 [T1]
0.93 dB
16.399950000 MHz
Ref 20 dBm
*Att 30 dB
20 Offset 12.5 dB
OBW 16.440000000 MHz
Marker 1 [T1
2.453820000 GHz
Temp 1 [T1 OBW]
2.453560000 GHz
Temp 2 [T1 OBW]
2.470240000 GHz
D1 3.170 dBm
Center 2.462 GHz
2 MHz/
Span 20 MHz
Date: 18.JUN.2020 13:19:59


*RBW 300 kHz
*VBW 1 MHz
SWT 2.5 ms
Marker 1 [T1]
4.46 dBm
2.469160000 GHz
Ref 20 dBm
*Att 30 dB
20 Offset 12.5 dB
OBW 17.120000000 MHz
Temp 1 [T1 OBW]
2.453520000 GHz
Temp 2 [T1 OBW]
2.470640000 GHz
Center 2.462 GHz
4 MHz/
Span 40 MHz
Date: 18.JUN.2020 13:20:06

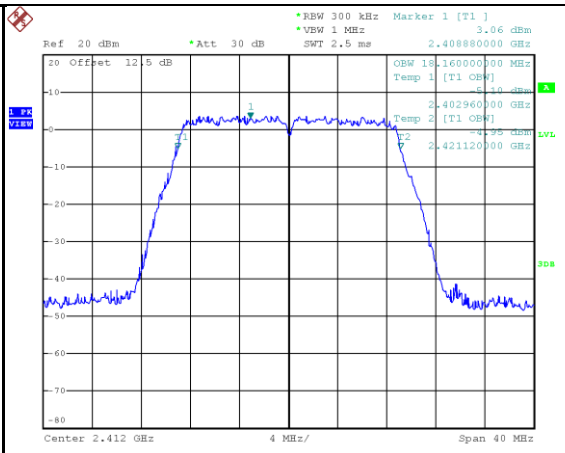
Test Mode	IEEE 802.11ac (VHT20)_ANT 1

Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	17.64	18.16	≥ 500	Pass
2437	17.38	18.08	≥ 500	Pass
2462	17.36	18.08	≥ 500	Pass

2412 MHz

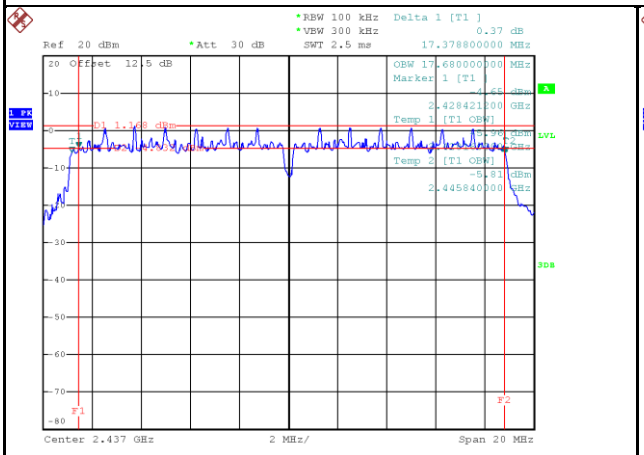


Date: 18.JUN.2020 16:01:41

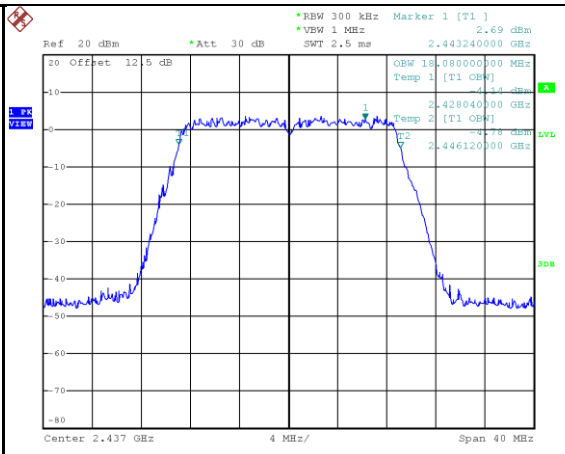


Date: 18.JUN.2020 16:01:48

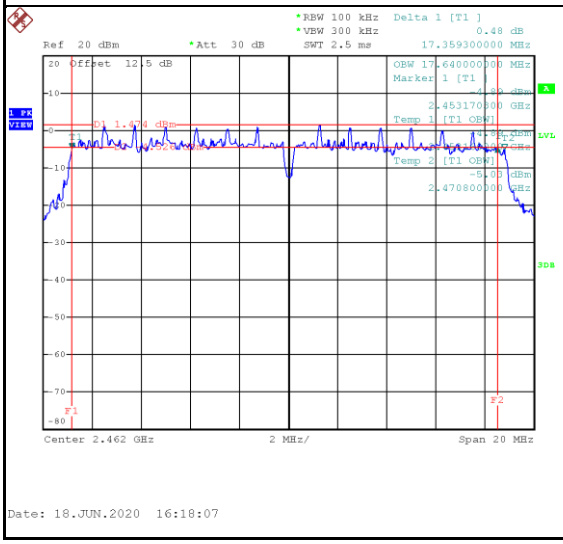
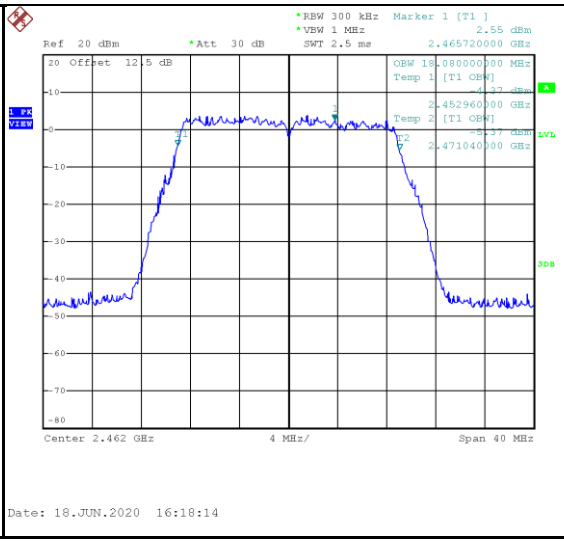
2437 MHz



Date: 18.JUN.2020 16:14:08



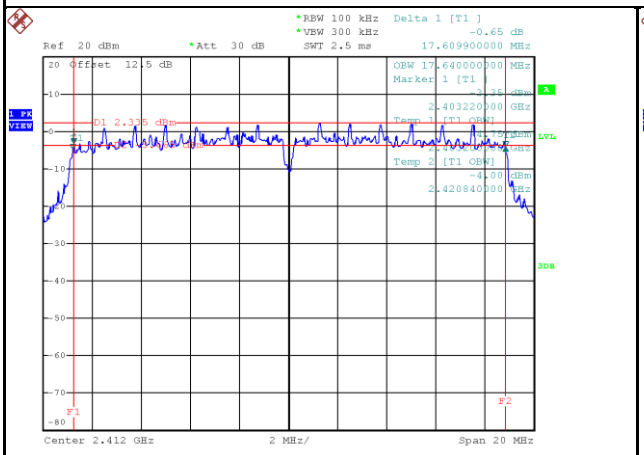
Date: 18.JUN.2020 16:14:15

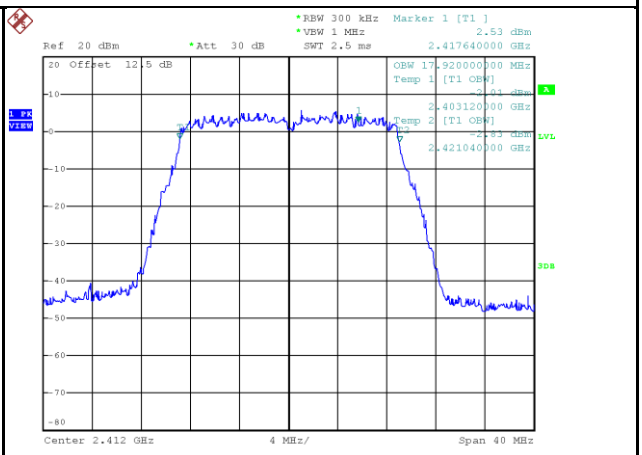
2462 MHz	
 *RBW 100 kHz *VBW 300 kHz SWT 2.5 ms Delta 1 [T1] 0.48 dB 17.359300000 MHz Ref 20 dBm *Att 30 dB Offset 12.5 dB OBW 17.640000000 MHz Marker 1 [T1 2.453170300 GHz Temp 1 [T1 OBW] Temp 2 [T1 OBW] -5.03 dBm 2.470800300 GHz Center 2.462 GHz 2 MHz/ Span 20 MHz Date: 18.JUN.2020 16:18:07	 *RBW 300 kHz *VBW 1 MHz SWT 2.5 ms Marker 1 [T1] 2.55 dBm 2.465720000 GHz Ref 20 dBm *Att 30 dB Offset 12.5 dB OBW 18.080000000 MHz Temp 1 [T1 OBW] Temp 2 [T1 OBW] 2.471040000 GHz Center 2.462 GHz 4 MHz/ Span 40 MHz Date: 18.JUN.2020 16:18:14

Test Mode	IEEE 802.11ac (VHT20)_ANT 2

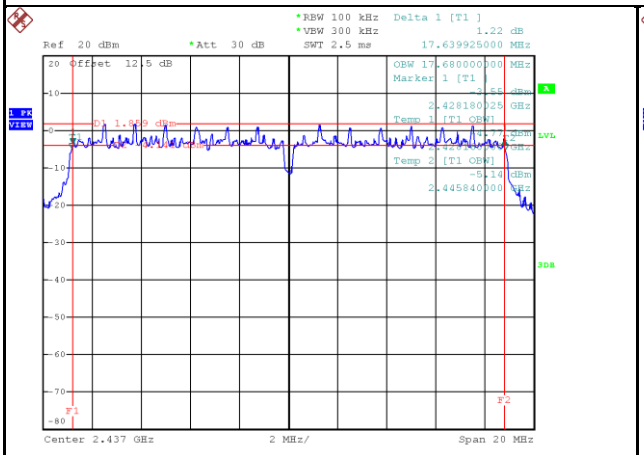
Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	17.61	17.92	≥ 500	Pass
2437	17.64	18.16	≥ 500	Pass
2462	16.98	18.00	≥ 500	Pass

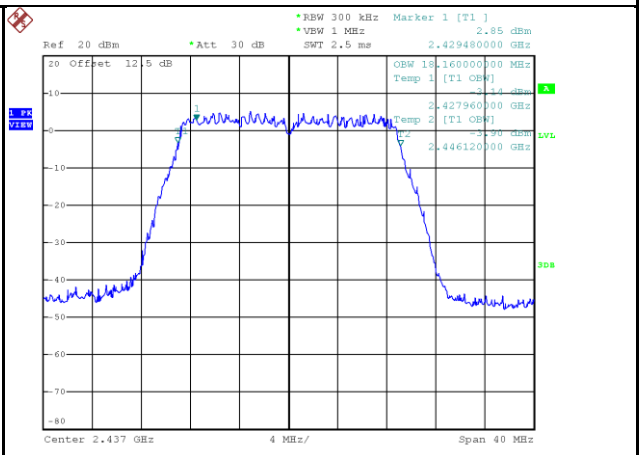
2412 MHz

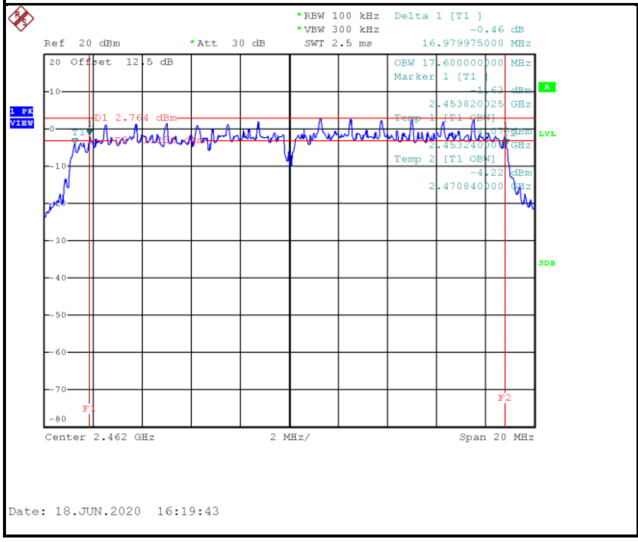
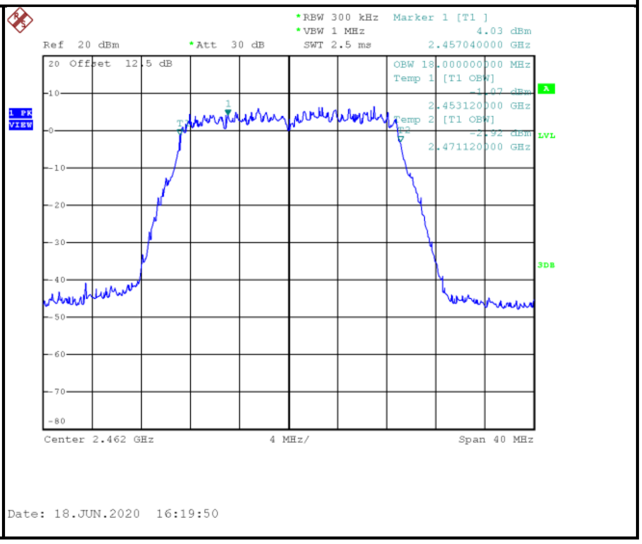




2437 MHz





2462 MHz	
	

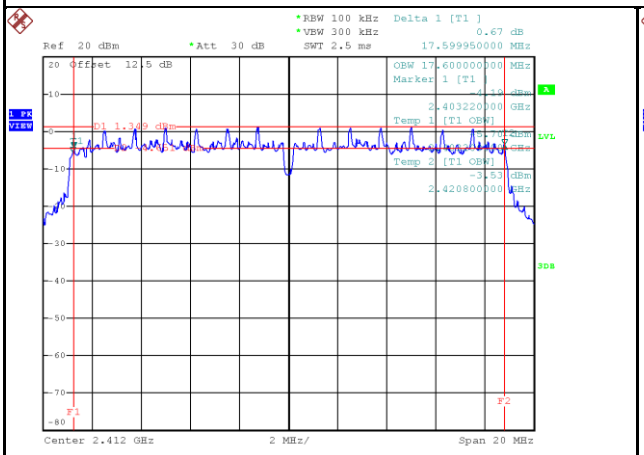
RBW 100 kHz
VBW 300 kHz
SWT 2.5 ms
Delta 1 [T1]
-0.46 dB
16.979975000 MHz
Ref 20 dBm
Att 30 dB
Offset 12.5 dB
OBW 17.600000000 MHz
Marker 1 [T1]
-1.63 dBm
2.453820025 GHz
Temp 1 [T1 OBW]
2.453240000 GHz
Temp 2 [T1 OBW]
-4.22 dBm
2.470840000 GHz
D1 2.764 dBm
Center 2.462 GHz
2 MHz/
Span 20 MHz
Date: 18.JUN.2020 16:19:43

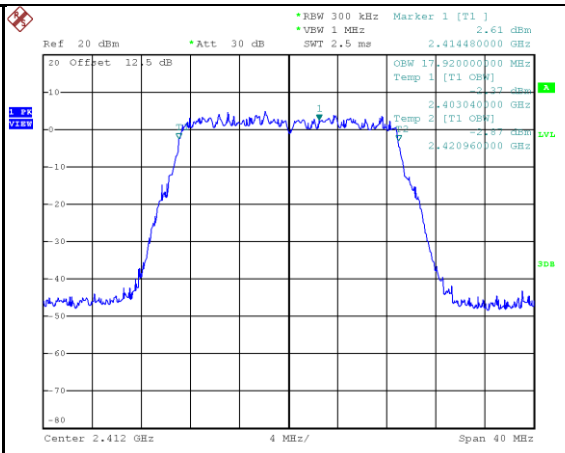
RBW 300 kHz
VBW 1 MHz
SWT 2.5 ms
Marker 1 [T1]
4.03 dBm
2.457040000 GHz
Ref 20 dBm
Att 30 dB
Offset 12.5 dB
OBW 18.000000000 MHz
Temp 1 [T1 OBW]
2.453120000 GHz
Temp 2 [T1 OBW]
-2.92 dBm
2.471120000 GHz
Center 2.462 GHz
4 MHz/
Span 40 MHz
Date: 18.JUN.2020 16:19:50

Test Mode	IEEE 802.11ac (VHT20)_ANT 3

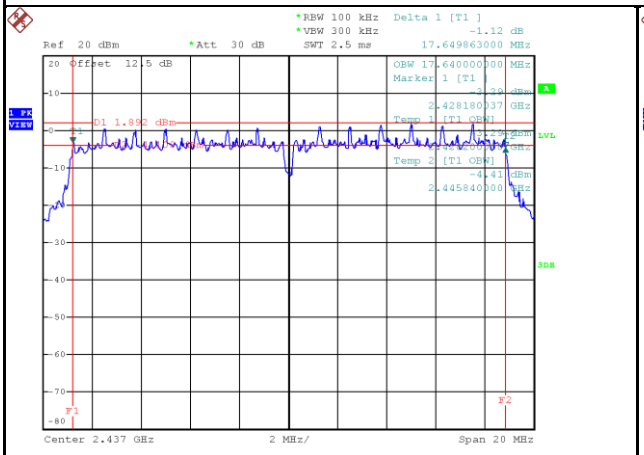
Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	17.60	17.92	≥ 500	Pass
2437	17.65	18.08	≥ 500	Pass
2462	17.65	18.00	≥ 500	Pass

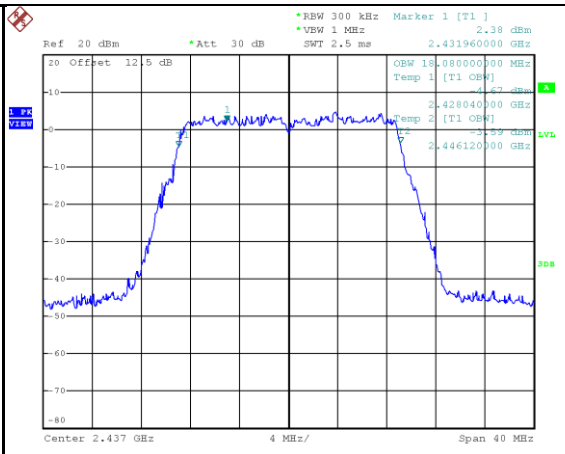
2412 MHz



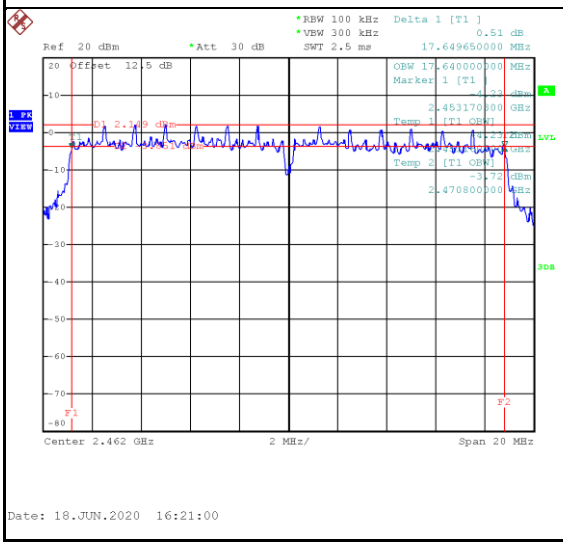


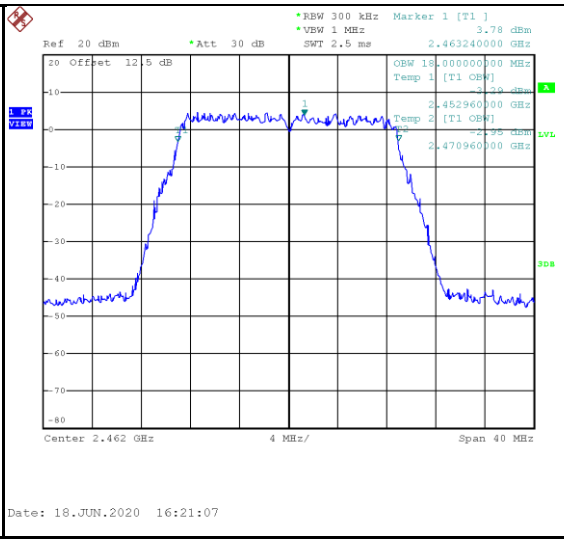
2437 MHz





2462 MHz

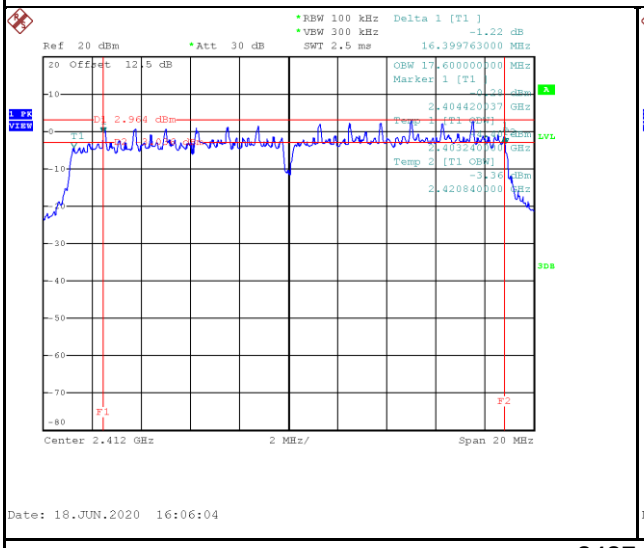

RBW 100 kHz
VBW 300 kHz
SWT 2.5 ms
Delta 1 [T1]
0.51 dB
17.649650000 MHz
Ref 20 dBm
Att 30 dB
Offset 12.5 dB
OBW 17.640000000 MHz
Marker 1 [T1]
2.453170000 GHz
Temp 1 [T1 OBW]
Temp 2 [T1 OBW]
2.470800000 GHz
Center 2.462 GHz
2 MHz/
Span 20 MHz
Date: 18.JUN.2020 16:21:00

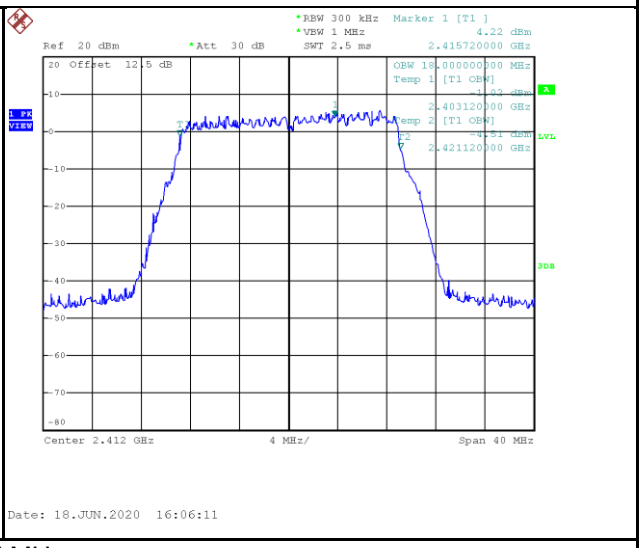

RBW 300 kHz
VBW 1 MHz
SWT 2.5 ms
Marker 1 [T1]
3.78 dBm
2.463240000 GHz
Ref 20 dBm
Att 30 dB
Offset 12.5 dB
OBW 18.000000000 MHz
Temp 1 [T1 OBW]
Temp 2 [T1 OBW]
2.452960000 GHz
2.470960000 GHz
Center 2.462 GHz
4 MHz/
Span 40 MHz
Date: 18.JUN.2020 16:21:07

Test Mode	IEEE 802.11ac (VHT20)_ANT 4

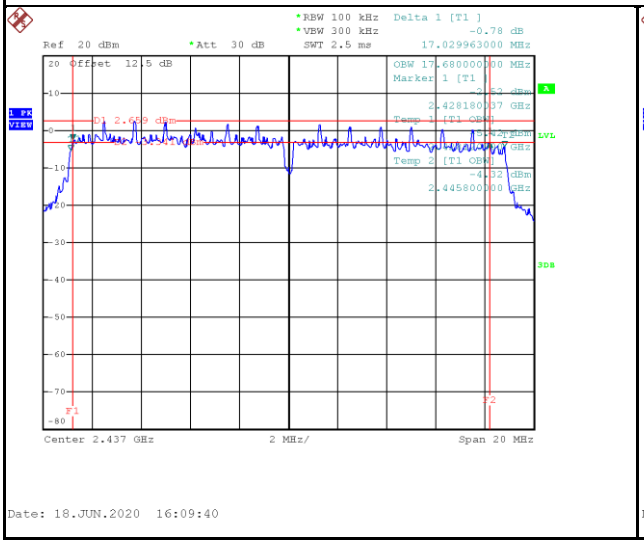
Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	16.40	18.00	≥ 500	Pass
2437	17.03	18.08	≥ 500	Pass
2462	17.66	18.08	≥ 500	Pass

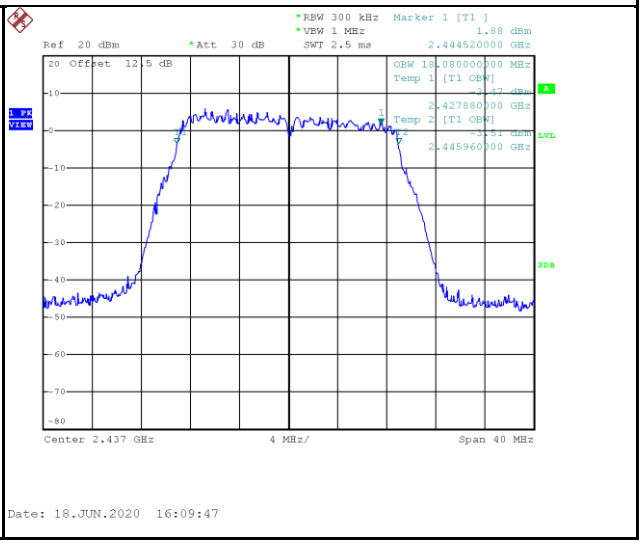
2412 MHz



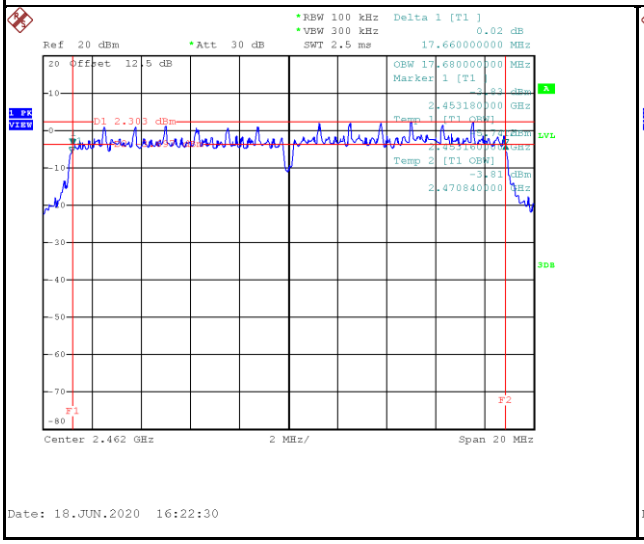


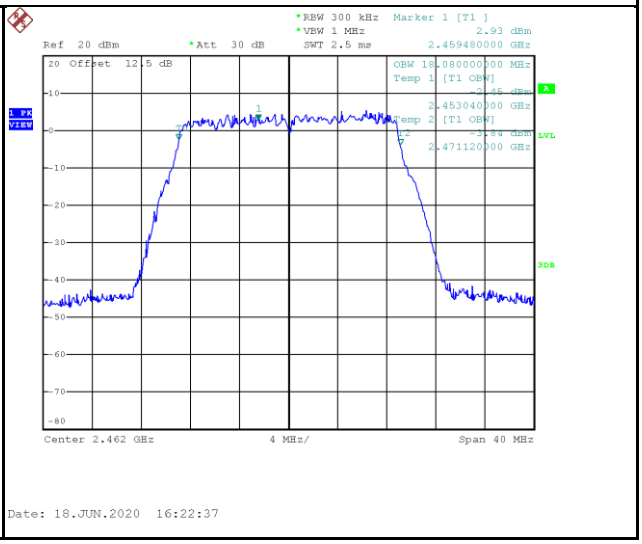
2437 MHz





2462 MHz

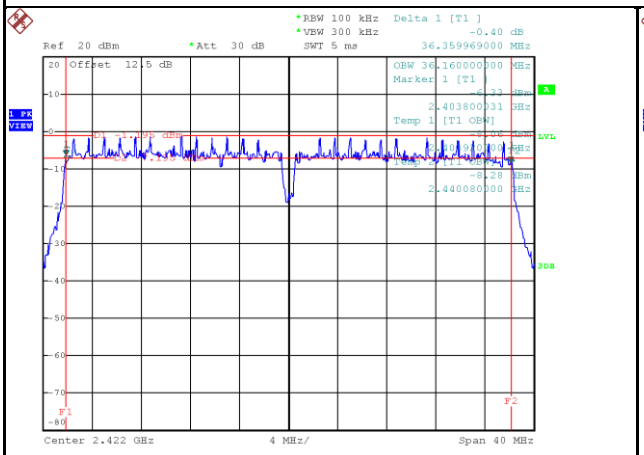

RBW 100 kHz
VBW 300 kHz
SWT 2.5 ms
Delta 1 [T1]
0.02 dB
17.660000000 MHz
Ref 20 dBm
Att 30 dB
Offset 12.5 dB
OBW 17.680000000 MHz
Marker 1 [T1]
-3.83 dBm
2.453180000 GHz
Temp 1 [T1 OBW]
Temp 2 [T1 OBW]
-3.81 dBm
2.470840000 GHz
Center 2.462 GHz
2 MHz/
Span 20 MHz
Date: 18.JUN.2020 16:22:30

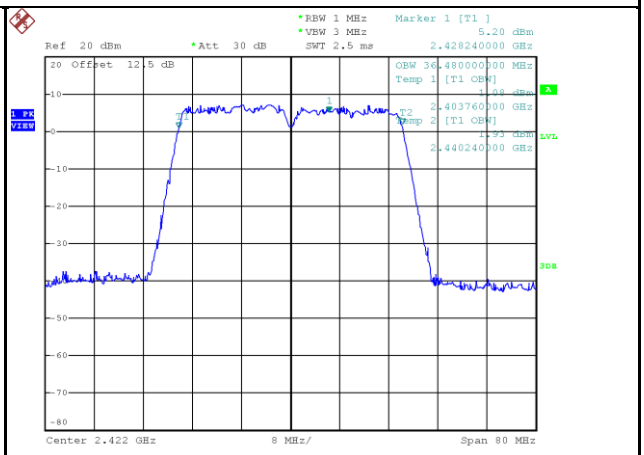

RBW 300 kHz
VBW 1 MHz
SWT 2.5 ms
Marker 1 [T1]
2.93 dBm
2.459480000 GHz
Ref 20 dBm
Att 30 dB
Offset 12.5 dB
OBW 18.080000000 MHz
Temp 1 [T1 OBW]
Temp 2 [T1 OBW]
2.471120000 GHz
Center 2.462 GHz
4 MHz/
Span 40 MHz
Date: 18.JUN.2020 16:22:37

Test Mode	IEEE 802.11ac (VHT40)_ANT 1

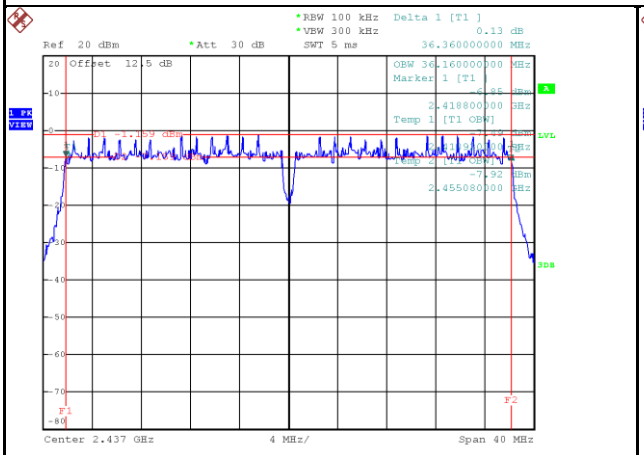
Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2422	36.36	36.48	≥ 500	Pass
2437	36.36	36.64	≥ 500	Pass
2452	35.84	36.48	≥ 500	Pass

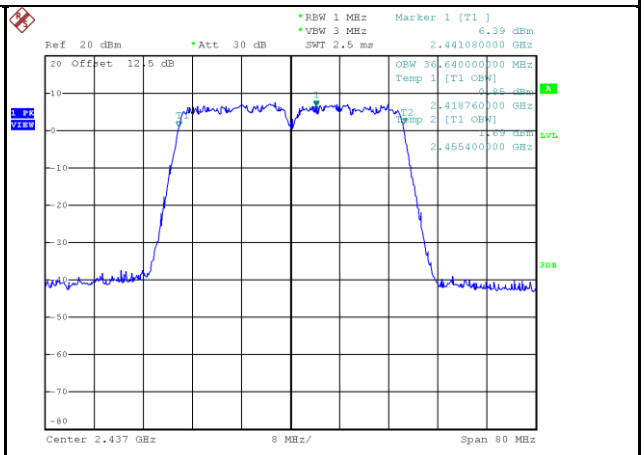
2422 MHz



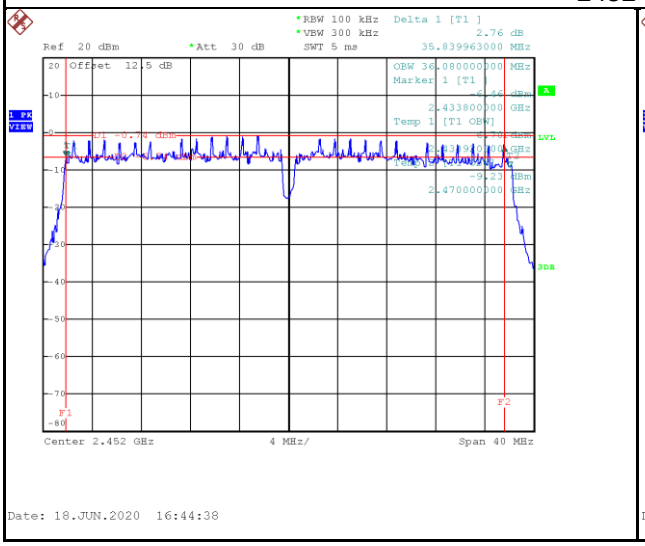


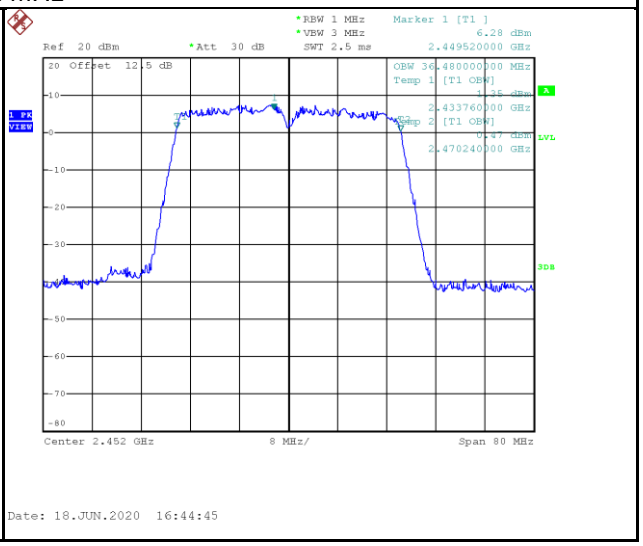
2437 MHz





2452 MHz


*RBW 100 kHz
*VBW 300 kHz
SWT 5 ms
Delta 1 [T1]
2.76 dB
35.839963000 MHz
Ref 20 dBm
*Att 30 dB
Offset 12.5 dB
OBW 36.080000000 MHz
Marker 1 [T1
2.433800000 GHz
Temp 1 [T1 OBW]
2.470000000 GHz
Center 2.452 GHz
4 MHz/
Span 40 MHz
Date: 18.JUN.2020 16:44:38


*RBW 1 MHz
*VBW 3 MHz
SWT 2.5 ms
Marker 1 [T1]
6.28 dBm
2.449520000 GHz
Ref 20 dBm
*Att 30 dB
Offset 12.5 dB
OBW 36.480000000 MHz
Temp 1 [T1 OBW]
2.433760000 GHz
2.470240000 GHz
Center 2.452 GHz
8 MHz/
Span 80 MHz
Date: 18.JUN.2020 16:44:45