

FCC Radio Test Report

FCC ID: HFSQTA-TP00126A

Report No. : BTL-FCCP-3-2006T132
Equipment : Notebook Computer
Model Name : TP00126A, Lenovo ThinkPad C13 Yoga Gen 1 Chromebook*****
 (x=0~9, A~z, "-" or blank)
Brand Name : Lenovo
Applicant : Quanta Computer Inc.
Address : No. 188, Wenhua 2nd Rd., Guishan Dist., Taoyuan City 33377, Taiwan
Manufacturer : Quanta Computer Inc.
Address : No. 188, Wenhua 2nd Rd., Guishan Dist., Taoyuan City 33377, Taiwan

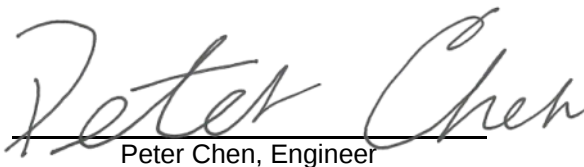
Radio Function : WLAN 2.4 GHz

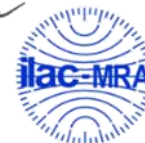
FCC Rule Part(s) : FCC Part15, Subpart C (15.247)
Measurement : ANSI C63.10-2013
Procedure(s)

Date of Receipt : 2020/6/24
Date of Test : 2020/6/24 ~ 2020/9/11
Issued Date : 2020/9/26

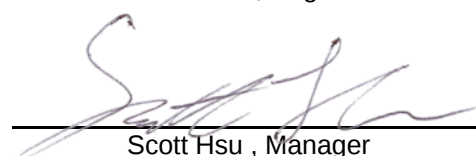
The above equipment has been tested and found in compliance with the requirement of the above standards by BTL Inc.

Prepared by


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

8.1	LIMIT	25
8.2	TEST PROCEDURE	25
8.3	DEVIATION FROM TEST STANDARD	25
8.4	TEST SETUP	25
8.5	EUT OPERATING CONDITIONS	25
8.6	TEST RESULT	25
9	LIST OF MEASURING EQUIPMENTS	26
10	EUT TEST PHOTO	28
11	EUT PHOTOS	28
APPENDIX A	AC POWER LINE CONDUCTED EMISSIONS	29
APPENDIX B	RADIATED EMISSIONS - 30 MHZ TO 1 GHZ	34
APPENDIX C	RADIATED EMISSIONS - ABOVE 1 GHZ	37
APPENDIX D	BANDWIDTH	122
APPENDIX E	OUTPUT POWER	143
APPENDIX F	POWER SPECTRAL DENSITY	150
APPENDIX G	ANTENNA CONDUCTED SPURIOUS EMISSIONS	171

REPORT ISSUED HISTORY

Report Version	Description	Issued Date
R00	Original Issue.	2020/8/11
R01	Revised report to address TCB's comments.	2020/9/14
R02	Revised report to address TCB's comments.	2020/9/26

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 $y \pm U$, 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	22 °C, 61 %	AC 120V	John Chuang
Radiated emissions above 1 GHz	22 °C, 61~62 %	AC 120V	John Chuang
Bandwidth	23.4 °C, 54 %	AC 120V	Tim Lee
Output Power	23.4 °C, 54 %	AC 120V	Tim Lee
Power Spectral Density	23.4 °C, 54 %	AC 120V	Tim Lee
Antenna conducted Spurious Emission	23.4 °C, 54 %	AC 120V	Tim Lee

1.4 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING

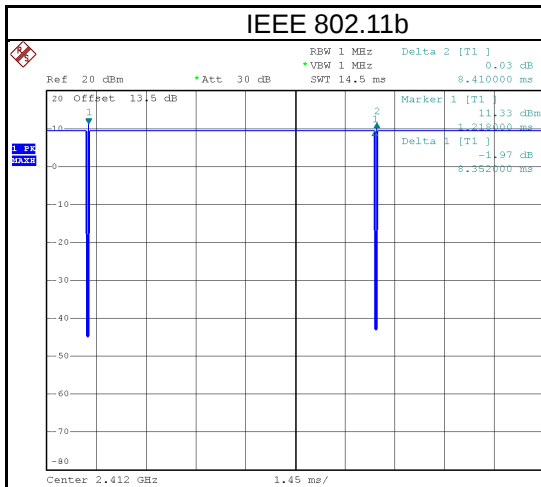
Test Software	DRTU V12.1947.0-10428					
Mode	2412 MHz	2437 MHz	2462 MHz	2467 MHz	2472 MHz	Data Rate
IEEE 802.11b	14.75	14.5	14.5	14.5	14.625	1 Mbps
IEEE 802.11g	13.75	14.75	14.75	13	10	6 Mbps
IEEE 802.11n (HT20)	10.875	11.75	11.75	9.75	4.375	MCS 0
IEEE 802.11ax (HE20)	11.375	12.375	12.375	10.25	4.5	MCS 0
Mode	2422 MHz	2437 MHz	2452 MHz	2457 MHz	2462 MHz	Data Rate
IEEE 802.11n (HT40)	11.625	11.625	11.5	7.125	5.375	MCS 0
IEEE 802.11ax (HE40)	12.375	12.5	12.375	7.5	5.375	MCS 0

1.5 DUTY CYCLE

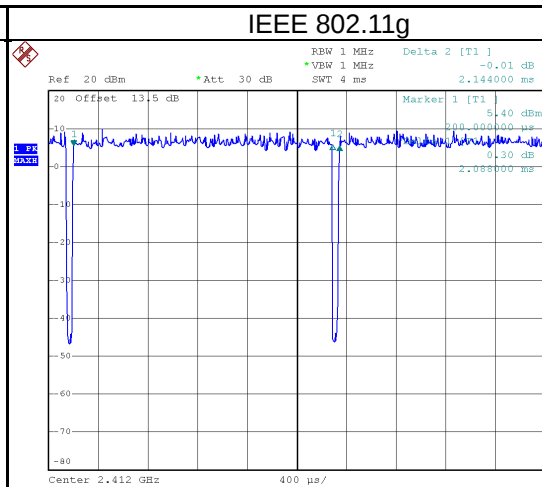
If duty cycle is $\geq 98\%$, duty factor is not required.

If duty cycle is $< 98\%$, duty factor shall be considered.

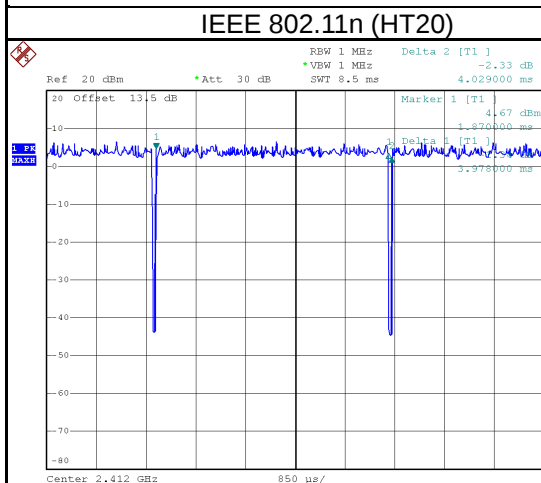
Remark	Delta 1			Delta 2	On Time/Period	10 log(1/Duty Cycle)
Mode	ON (ms)	Numbers (ON)	On Time (B) (ms)	Period (ON+OFF) (ms)	Duty Cycle (%)	Duty Factor (dB)
IEEE 802.11b	8.352	1	8.352	8.410	99.31%	0.03
IEEE 802.11g	2.088	1	2.088	2.144	97.39%	0.11
IEEE 802.11n (HT20)	3.978	1	3.978	4.029	98.73%	0.06
IEEE 802.11n (HT40)	3.962	1	3.962	4.046	97.92%	0.09
IEEE 802.11ax (HE20)	3.952	1	3.952	4.018	98.36%	0.07
IEEE 802.11ax (HE40)	3.949	1	3.949	4.026	98.09%	0.08



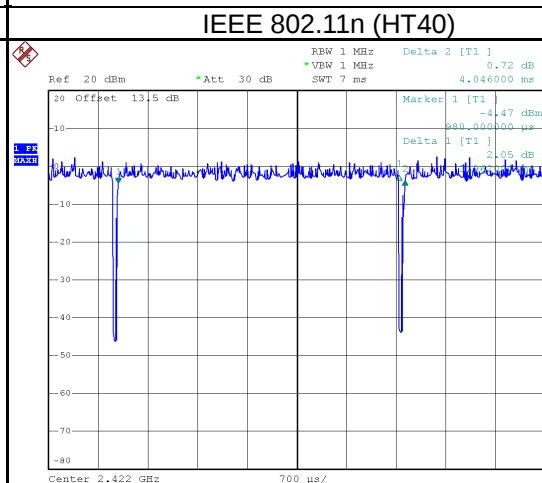
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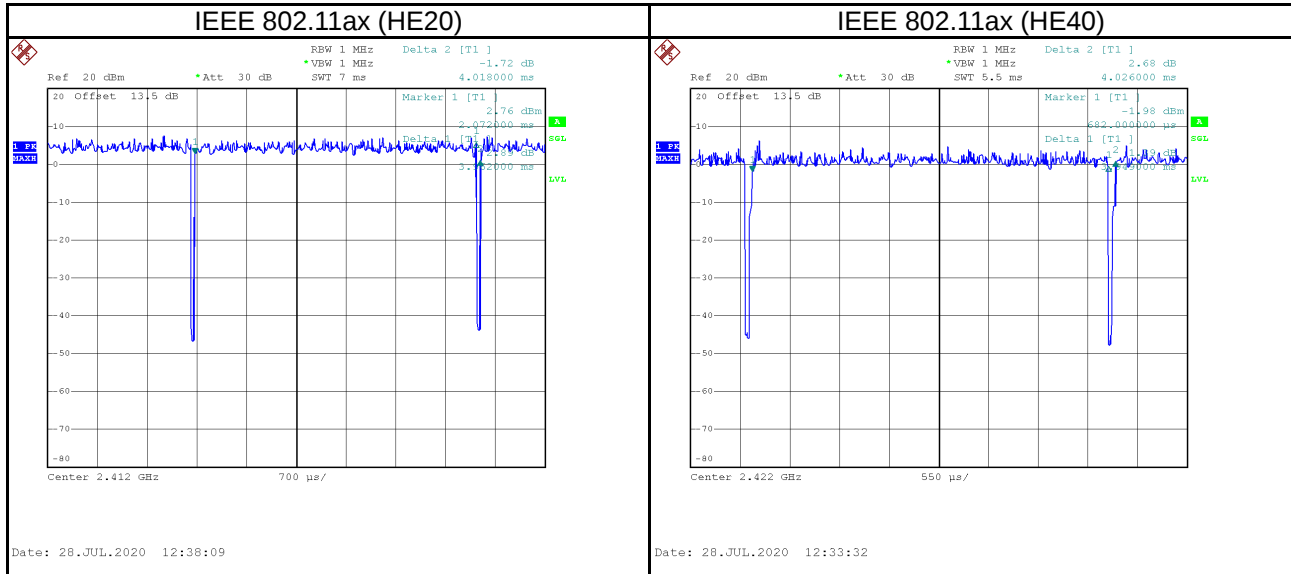
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2 GENERAL INFORMATION

2.1 DESCRIPTION OF EUT

Equipment	Notebook Computer
Model Name	TP00126A, Lenovo ThinkPad C13 Yoga Gen 1 Chromebook***** (x=0~9, A~z, "-" or blank)
Brand Name	Lenovo
Model Difference	Differ in Market proposal.
Power Source	DC voltage supplied from AC/DC Adapter.
Power Rating	20Vdc 3.25A/20Vdc 2.25A / 15Vdc 3.0A / 9Vdc 2.0A / 5Vdc 2.0A
Power Adapter Power Rating	1. I/P: 100-240V~1.3A 50-60Hz O/P: 20Vdc 2.25A / 15Vdc 3A / 9Vdc 2A / 5Vdc 2A 2. I/O: 100-240V~1.8A 50-60Hz O/P: 20Vdc 3.25A 65.0W / 15Vdc 3.0A / 9Vdc 2.0A / 5Vdc 2.0A 10.0W
Power Adapter	1. Chicony / ADLX45YCC3F 2. Liteon / ADLX65YLC3D
Frequency Range	2400 MHz ~ 2483.5 MHz
Operation Frequency	2412 MHz ~ 2472 MHz
Modulation Technology	IEEE 802.11b: DSSS IEEE 802.11g: OFDM IEEE 802.11n: OFDM
Transfer Rate	IEEE 802.11b: 11/5.5/2/1 Mbps IEEE 802.11g: 54/48/36/24/18/12/9/6 Mbps IEEE 802.11n: up to 300 Mbps IEEE 802.11ax: up to 866.7 Mbps
Output Power Max.	IEEE 802.11b: 17.92 dBm (0.0619 W) IEEE 802.11g: 20.89 dBm (0.1227 W) IEEE 802.11n (HT20): 20.34 dBm (0.1082 W) IEEE 802.11n (HT40): 24.56 dBm (0.2860 W) IEEE 802.11ax (HE20): 20.83 dBm (0.1209 W) IEEE 802.11ax (HE40): 22.26 dBm (0.1683 W)
Test Model	TP00126A
Sample Status	Engineering Sample
EUT Modification(s)	N/A

NOTE:

(1) For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.

(2) Channel List:

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

(3) Table for Filed Antenna:

Tablet Mode

Ant.	Brand	Model	Type	Frequency Range (MHz)	Gain (dBi)
Main	ICT	SA30Z18922	PIFA Antenna	2400-2500	-2.6
				5150-5350	-0.9
				5740-5725	-2.5
				5725-5875	-2.5
Aux	ICT	SA30Z18923	PIFA Antenna	2400-2500	-1.1
				5150-5350	-2.6
				5740-5725	-3.6
				5725-5875	-5.7

Ant.	Brand	Model	Type	Frequency Range (MHz)	Gain (dBi)
Main	AWAN	SA30Z18927	PIFA Antenna	2400-2500	-0.39
				5150-5350	0.21
				5740-5725	-1.28
				5725-5875	-0.64
Aux	AWAN	SA30Z18928	PIFA Antenna	2400-2500	-1.48
				5150-5350	-0.25
				5740-5725	-1.22
				5725-5875	-1.22

NB Mode

Ant.	Brand	Model	Type	Frequency Range (MHz)	Gain (dBi)
Main	ICT	SA30Z18922	PIFA Antenna	2400-2500	-2.3
				5150-5350	1.6
				5740-5725	1.9
				5725-5875	1.9
Aux	ICT	SA30Z18923	PIFA Antenna	2400-2500	-2.3
				5150-5350	1.1
				5740-5725	1.2
				5725-5875	2.0

Ant.	Brand	Model	Type	Frequency Range (MHz)	Gain (dBi)
Main	AWAN	SA30Z18927	PIFA Antenna	2400-2500	-2.11
				5150-5350	1.94
				5740-5725	1.61
				5725-5875	1.47
Aux	AWAN	SA30Z18928	PIFA Antenna	2400-2500	-1.73
				5150-5350	1.78
				5740-5725	0.71
				5725-5875	0.52

Note:

- (1) The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and receivers (2T2R).
- (2) For Power Spectral Density

$$\text{Directional Gain} = 10 \cdot \log\{[10^{(G1/20)} + 10^{(G2/20)} + \dots + 10^{(Gn/20)}]^2 / N_{\text{ANT}}\} = 2.27 \text{ dBi} < 6 \text{ dBi}$$
- (3) For Conducted Output Power

$$\text{Gain} = -0.39 \text{ dBi} < 6 \text{ dBi}$$

(4) Operating Mode and Antenna Configuration

TX Mode \ Operating Mode	1TX	2TX
IEEE 802.11b	V (Main or Aux)	-
IEEE 802.11g	V (Main or Aux)	-
IEEE 802.11n (HT20)	-	V (Main+Aux)
IEEE 802.11n (HT40)	-	V (Main+Aux)
IEEE 802.11ax (HE20)	-	V (Main+Aux)
IEEE 802.11ax (HE40)	-	V (Main+Aux)

2.2 TEST MODES

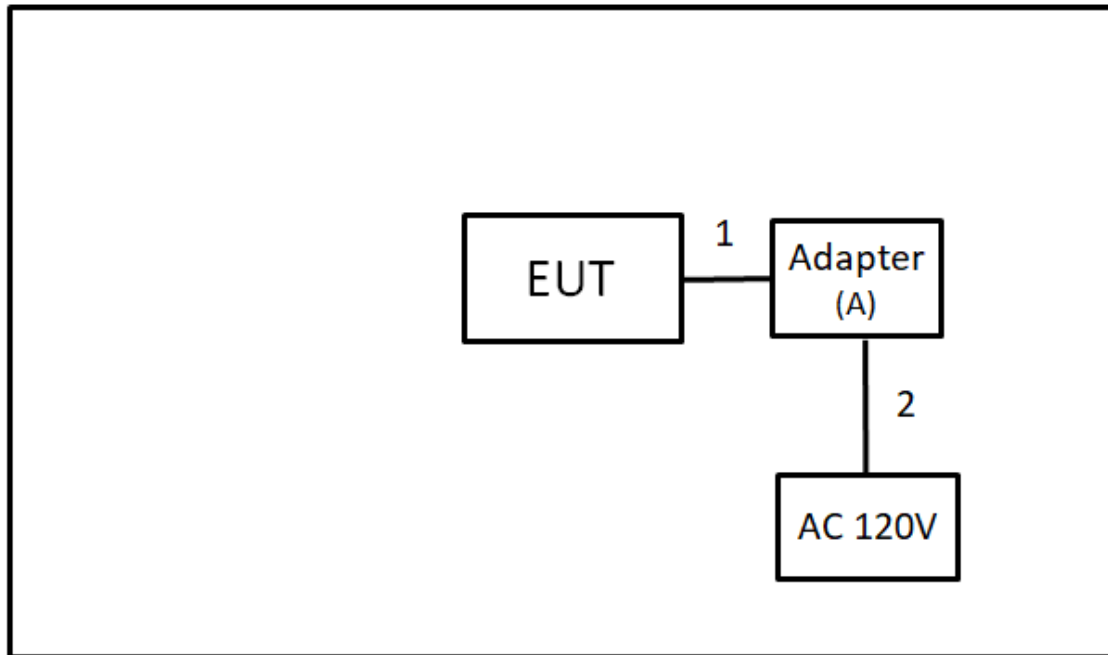
Test Items	Test mode	Channel	Note
AC power line conducted emissions	Normal/Idle	-	-
Transmitter Radiated Emissions (below 1GHz)	TX Mode_ IEEE 802.11g	01	-
Transmitter Radiated Emissions (above 1GHz)	TX Mode_ IEEE 802.11b	01/11/12/13	Bandedge
	TX Mode_ IEEE 802.11g		
	TX Mode_ IEEE 802.11n (HT20)		
	TX Mode_ IEEE 802.11ax (HE20)		
	TX Mode_ IEEE 802.11n (HT40)	03/09/10/11	
	TX Mode_ IEEE 802.11ax (HE40)		
Transmitter Radiated Emissions (above 1GHz)	TX Mode_ IEEE 802.11b	01/06/11/12/13	Harmonic
	TX Mode_ IEEE 802.11g		
	TX Mode_ IEEE 802.11n (HT20)		
	TX Mode_ IEEE 802.11ax (HE20)		
	TX Mode_ IEEE 802.11n (HT40)	03/06/09/10/11	
	TX Mode_ IEEE 802.11ax (HE40)		
Bandwidth & Output Power & Power Spectral Density & Antenna conducted Spurious Emission	TX Mode_ IEEE 802.11b	01/06/11/12/13	-
	TX Mode_ IEEE 802.11g		
	TX Mode_ IEEE 802.11n (HT20)		
	TX Mode_ IEEE 802.11ax (HE20)		
	TX Mode_ IEEE 802.11n (HT40)	03/06/09/10/11	
	TX Mode_ IEEE 802.11ax (HE40)		

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 (Horizontal) is recorded.
- (3) All X, Y and Z axes are evaluated, but only the worst case (Y axis) is recorded.
- (4) There were no emissions found below 30 MHz within 20 dB of the limit.
- (5) All adapter are evaluated, the ADLX65YLC3D 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	Lenove	ADLX65YLC3D	N/A	Supplied by test requester

Item	Shielded	Ferrite Core	Length	Cable Type	Remarks
1	N/A	N/A	1.6m	Adapter Cable	Supplied by test requester
2	N/A	N/A	0.9m	power core	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.

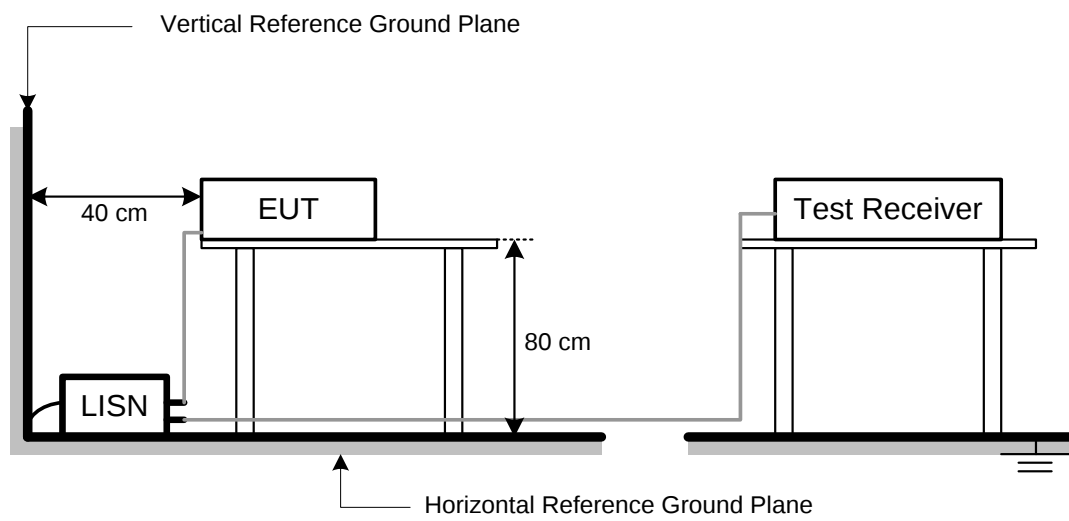
NOTE:

- (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

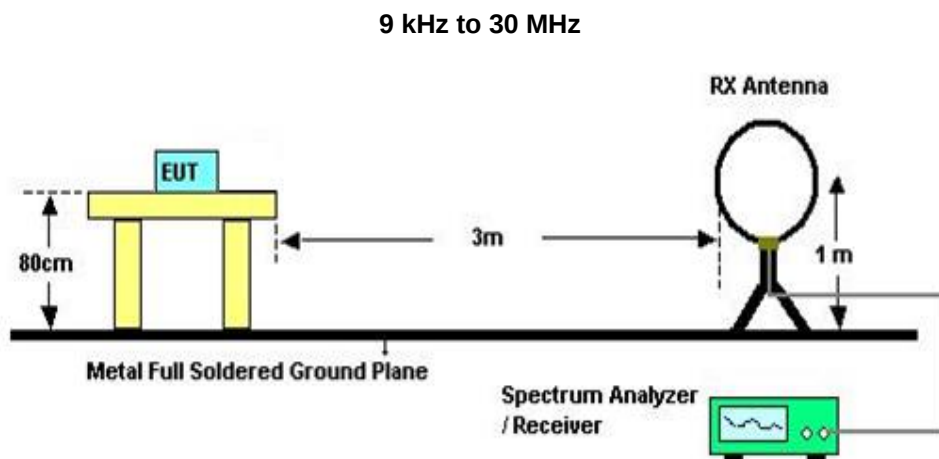
4.2 TEST PROCEDURE

- 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)
- 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)
- 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.
- 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).
- 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.
- 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.
- 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)
- 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)
- For the actual test configuration, please refer to the related Item – EUT TEST PHOTO.

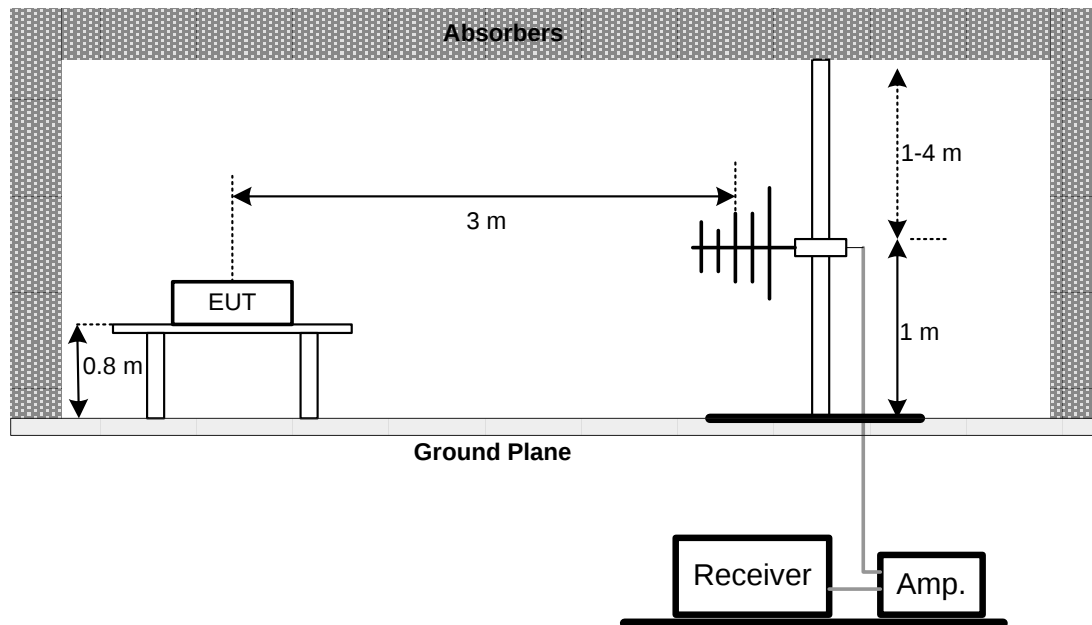
4.3 DEVIATION FROM TEST STANDARD

No deviation.

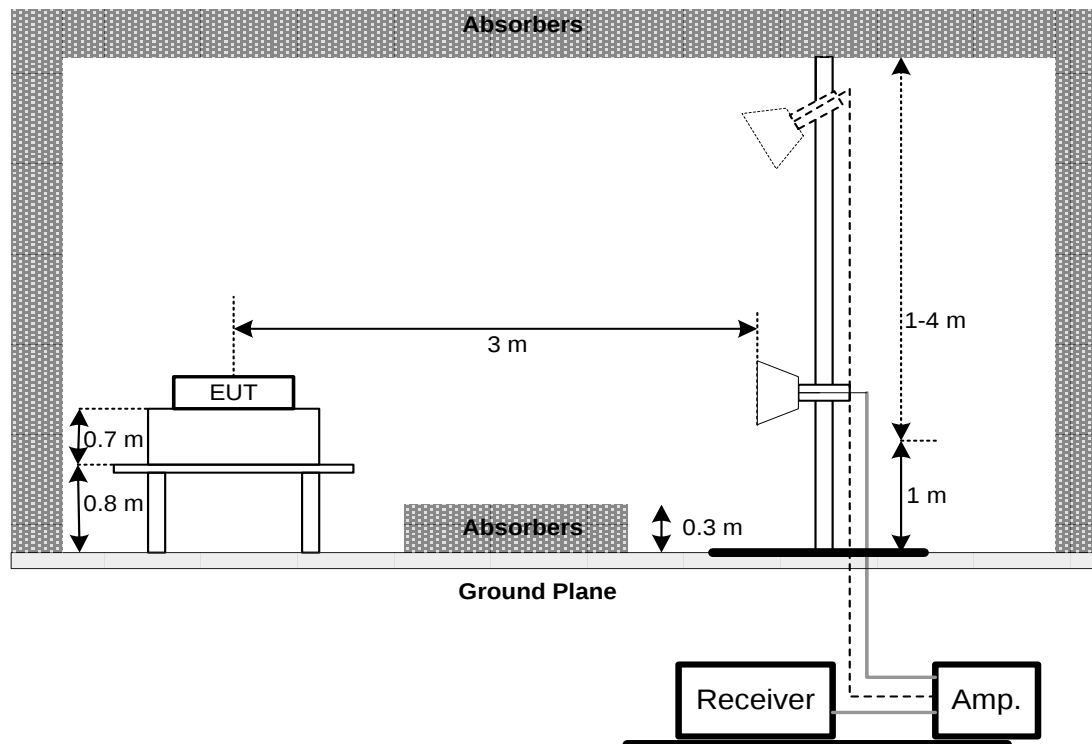
4.4 TEST SETUP



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

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- 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

- The EUT was directly connected to the power meter and antenna output port as show in the block diagram below.
- The maximum peak conducted output power was performed in accordance with FCC KDB 558074 D01 15.247 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)

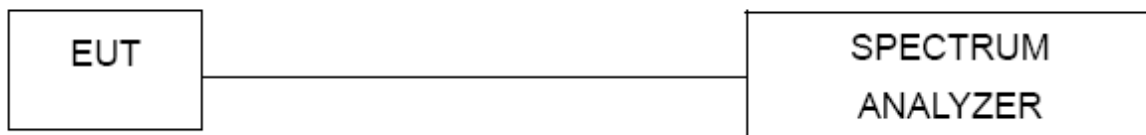
7.2 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- 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

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- Spectrum Setting: RBW = 100 kHz, VBW=300 kHz, Sweep time = Auto.
- 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	EMC001340	980555	2020/4/10	2021/4/9
2	Preamplifier	EMCI	EMC02325B	980217	2020/4/10	2021/4/9
3	Preamplifier	EMCI	EMC012645B	980267	2020/4/10	2021/4/9
4	Preamplifier	EMCI	EMC2654045	980030	2020/1/31	2021/1/30
5	Test Cable	EMCI	EMC104-SM-SM-800	150207	2020/4/10	2021/4/9
6	Test Cable	EMCI	EMC104-SM-SM-3000	151205	2020/4/10	2021/4/9
7	Test Cable	EMCI	EMC-SM-SM-7000	180408	2020/4/10	2021/4/9
8	MXE EMI Receiver	Agilent	N9038A	MY554200087	2020/6/10	2021/6/9
9	Signal Analyzer	Agilent	N9010A	MY56480554	2020/6/4	2021/6/3
10	Loop Ant	EMCO	6502	274	2020/6/16	2021/6/15
11	Horn Ant	SCHWARZBECK	BBHA 9120D	9120D-1342	2020/6/12	2021/6/11
12	Horn Ant	Schwarzbeck	BBHA 9170	187	2019/12/21	2020/12/20
13	Trilog-Broadband Antenna	Schwarzbeck	VULB 9168	0992	2020/7/10	2021/7/9
14	5dB Attenuator	EMCI	EMCI-N-6-05	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	FSP40	100129	2020/5/22	2021/5/21

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

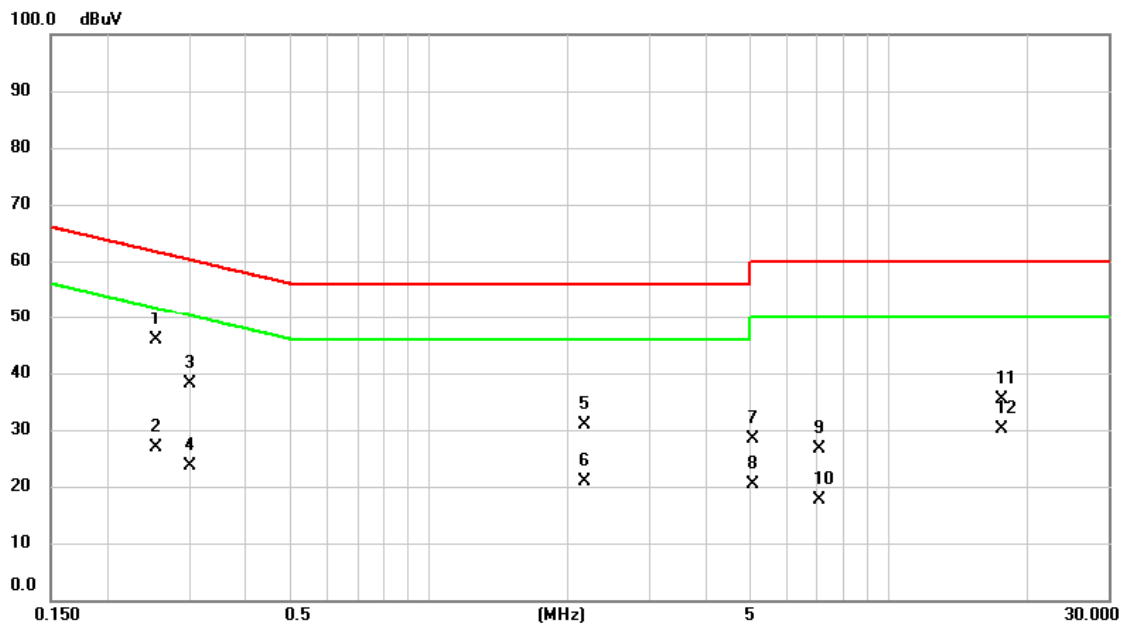
Please refer to document Appendix No.: TP-2006T132-FCCP-1 (APPENDIX-TEST PHOTOS).

11 EUT PHOTOS

Please refer to document Appendix No.: EP-2006T132-1 (APPENDIX-EUT PHOTOS).

APPENDIX A AC POWER LINE CONDUCTED EMISSIONS

Test Mode	Normal	Tested Date	2020/7/30
Test Frequency	-	Phase	Line

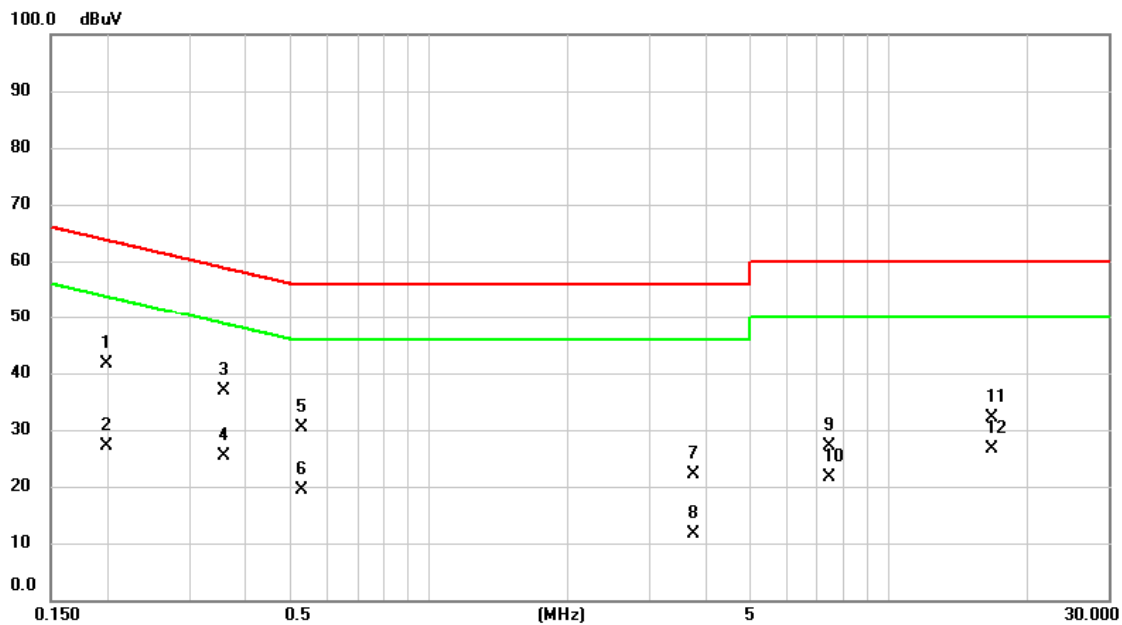


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	*	0.2535	36.25	9.68	45.93	61.64	-15.71	QP	
2		0.2535	17.30	9.68	26.98	51.64	-24.66	AVG	
3		0.3007	28.52	9.68	38.20	60.22	-22.02	QP	
4		0.3007	14.05	9.68	23.73	50.22	-26.49	AVG	
5		2.1795	21.14	9.74	30.88	56.00	-25.12	QP	
6		2.1795	11.13	9.74	20.87	46.00	-25.13	AVG	
7		5.0843	18.48	9.83	28.31	60.00	-31.69	QP	
8		5.0843	10.43	9.83	20.26	50.00	-29.74	AVG	
9		7.0665	16.76	9.87	26.63	60.00	-33.37	QP	
10		7.0665	7.72	9.87	17.59	50.00	-32.41	AVG	
11		17.5785	25.48	9.96	35.44	60.00	-24.56	QP	
12		17.5785	20.23	9.96	30.19	50.00	-19.81	AVG	

REMARKS:

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

Test Mode	Normal	Tested Date	2020/7/30
Test Frequency	-	Phase	Neutral

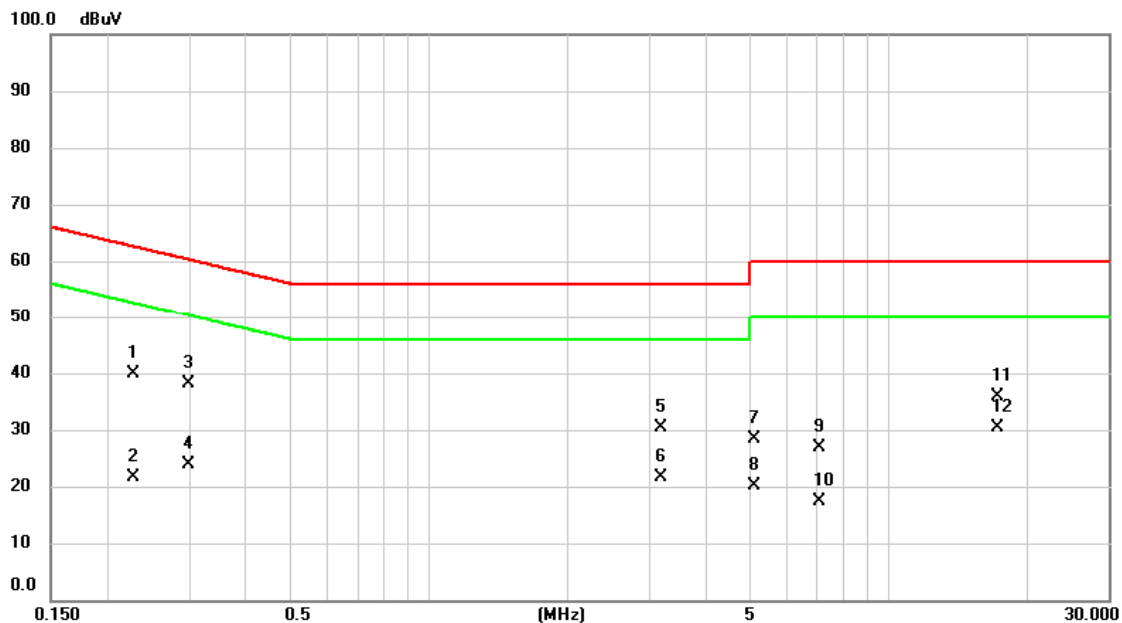


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1976	32.00	9.67	41.67	63.71	-22.04	QP	
2		0.1976	17.49	9.67	27.16	53.71	-26.55	AVG	
3	*	0.3592	27.11	9.68	36.79	58.75	-21.96	QP	
4		0.3592	15.80	9.68	25.48	48.75	-23.27	AVG	
5		0.5302	20.70	9.68	30.38	56.00	-25.62	QP	
6		0.5302	9.77	9.68	19.45	46.00	-26.55	AVG	
7		3.7343	12.31	9.79	22.10	56.00	-33.90	QP	
8		3.7343	1.95	9.79	11.74	46.00	-34.26	AVG	
9		7.4535	17.28	9.87	27.15	60.00	-32.85	QP	
10		7.4535	11.72	9.87	21.59	50.00	-28.41	AVG	
11		16.7663	22.06	9.95	32.01	60.00	-27.99	QP	
12		16.7663	16.80	9.95	26.75	50.00	-23.25	AVG	

REMARKS:

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

Test Mode	Idle	Tested Date	2020/7/30
Test Frequency	-	Phase	Line

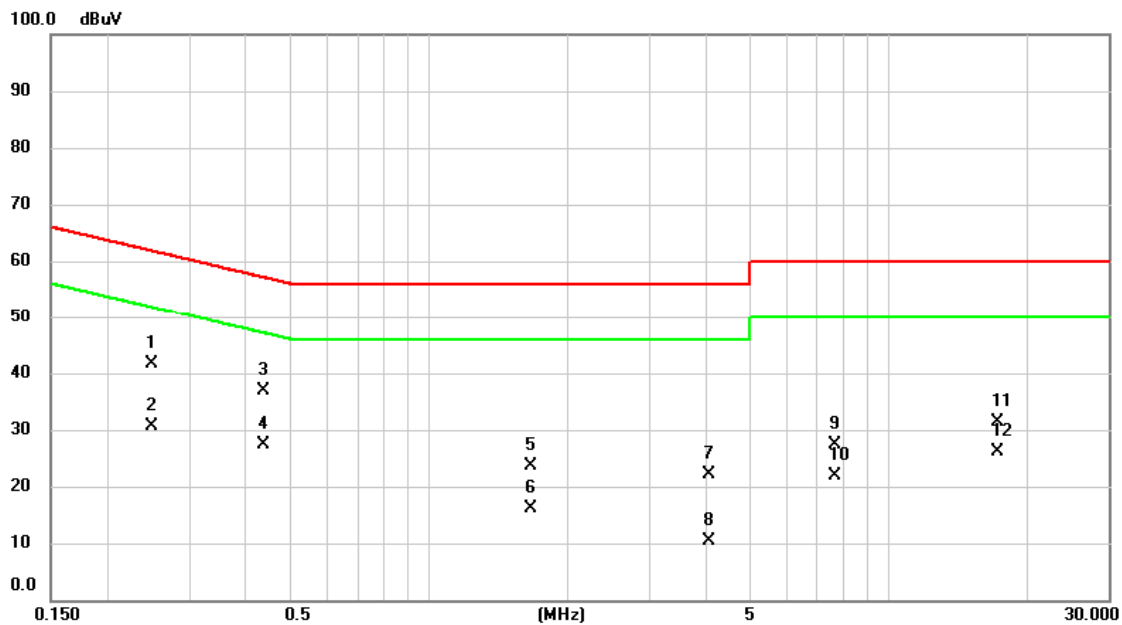


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector Comment
1		0.2265	30.23	9.68	39.91	62.58	-22.67	QP
2		0.2265	11.90	9.68	21.58	52.58	-31.00	AVG
3		0.2985	28.51	9.69	38.20	60.28	-22.08	QP
4		0.2985	14.08	9.69	23.77	50.28	-26.51	AVG
5		3.1762	20.53	9.76	30.29	56.00	-25.71	QP
6		3.1762	11.96	9.76	21.72	46.00	-24.28	AVG
7		5.1180	18.44	9.83	28.27	60.00	-31.73	QP
8		5.1180	10.26	9.83	20.09	50.00	-29.91	AVG
9		7.0665	17.10	9.87	26.97	60.00	-33.03	QP
10		7.0665	7.57	9.87	17.44	50.00	-32.56	AVG
11		17.1983	25.84	9.95	35.79	60.00	-24.21	QP
12	*	17.1983	20.41	9.95	30.36	50.00	-19.64	AVG

REMARKS:

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

Test Mode	Idle	Tested Date	2020/7/30
Test Frequency	-	Phase	Neutral



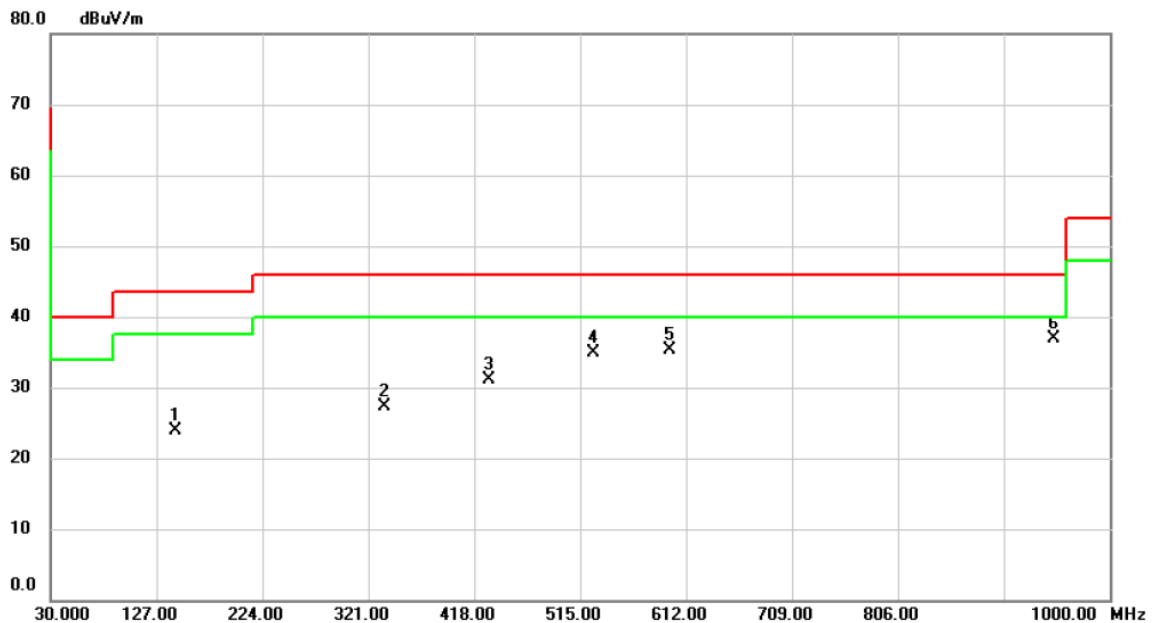
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector Comment
1		0.2490	32.07	9.68	41.75	61.79	-20.04	QP
2		0.2490	20.91	9.68	30.59	51.79	-21.20	AVG
3		0.4380	27.29	9.68	36.97	57.10	-20.13	QP
4	*	0.4380	17.65	9.68	27.33	47.10	-19.77	AVG
5		1.6620	13.83	9.73	23.56	56.00	-32.44	QP
6		1.6620	6.28	9.73	16.01	46.00	-29.99	AVG
7		4.0538	12.24	9.80	22.04	56.00	-33.96	QP
8		4.0538	0.58	9.80	10.38	46.00	-35.62	AVG
9		7.6403	17.51	9.88	27.39	60.00	-32.61	QP
10		7.6403	12.04	9.88	21.92	50.00	-28.08	AVG
11		17.2162	21.35	9.95	31.30	60.00	-28.70	QP
12		17.2162	16.14	9.95	26.09	50.00	-23.91	AVG

REMARKS:

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

APPENDIX B RADIATED EMISSIONS - 30 MHZ TO 1 GHZ

Test Mode	IEEE 802.11g	Test Date	2020/7/27
Test Frequency	CH01: 2412 MHz	Polarization	Vertical

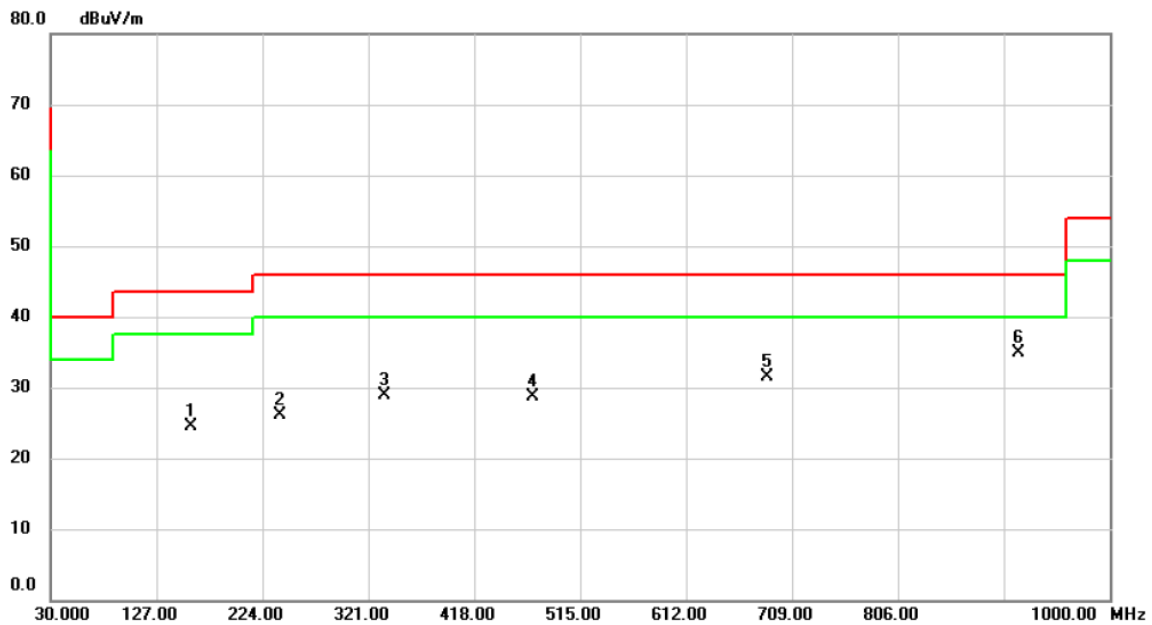


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		144.4600	32.05	-8.08	23.97	43.50	-19.53	peak	
2		335.5500	33.54	-6.23	27.31	46.00	-18.69	peak	
3		431.5800	35.13	-4.08	31.05	46.00	-14.95	peak	
4		527.6100	37.00	-2.12	34.88	46.00	-11.12	peak	
5		597.4500	35.66	-0.40	35.26	46.00	-10.74	peak	
6	*	948.5900	31.95	4.96	36.91	46.00	-9.09	peak	

REMARKS:

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

Test Mode	IEEE 802.11g	Test Date	2020/7/27
Test Frequency	CH01: 2412 MHz	Polarization	Horizontal



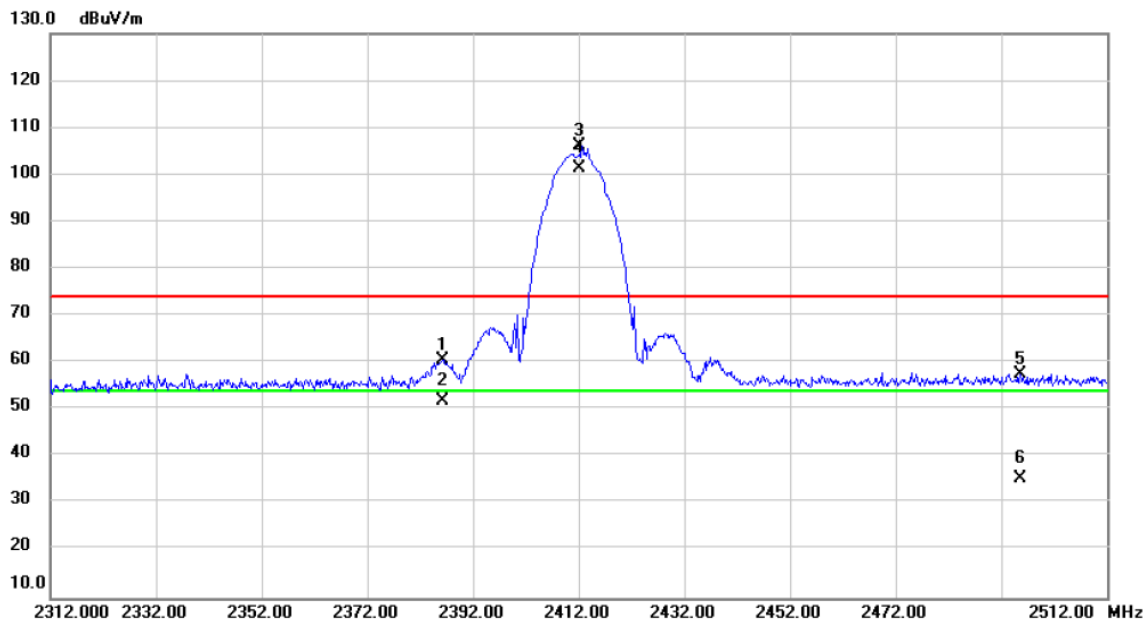
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		159.0100	32.33	-7.76	24.57	43.50	-18.93	peak	
2		240.4900	35.20	-9.16	26.04	46.00	-19.96	peak	
3		335.5500	35.18	-6.23	28.95	46.00	-17.05	peak	
4		471.3500	31.86	-3.23	28.63	46.00	-17.37	peak	
5		686.6900	30.69	0.87	31.56	46.00	-14.44	peak	
6	*	916.5800	30.41	4.43	34.84	46.00	-11.16	peak	

REMARKS:

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

APPENDIX C RADIATED EMISSIONS - ABOVE 1 GHZ

Test Mode	IEEE 802.11b	Test Date	2020/7/24
Test Frequency	CH01: 2412 MHz	Polarization	Horizontal

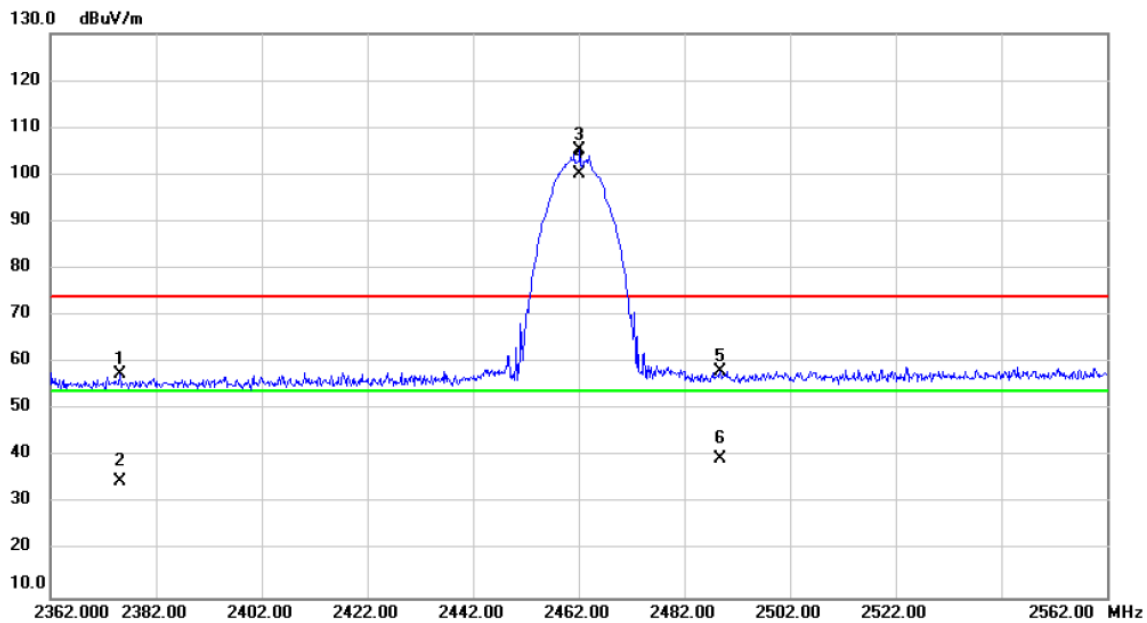


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2386.200	29.84	30.77	60.61	74.00	-13.39	peak	
2		2386.200	21.19	30.77	51.96	54.00	-2.04	AVG	
3	X	2412.000	75.19	30.88	106.07	74.00	32.07	peak	No Limit
4	*	2412.000	70.54	30.88	101.42	54.00	47.42	AVG	No Limit
5		2495.600	26.37	31.22	57.59	74.00	-16.41	peak	
6		2495.600	4.13	31.22	35.35	54.00	-18.65	AVG	

REMARKS:

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

Test Mode	IEEE 802.11b	Test Date	2020/7/24
Test Frequency	CH11: 2462 MHz	Polarization	Horizontal

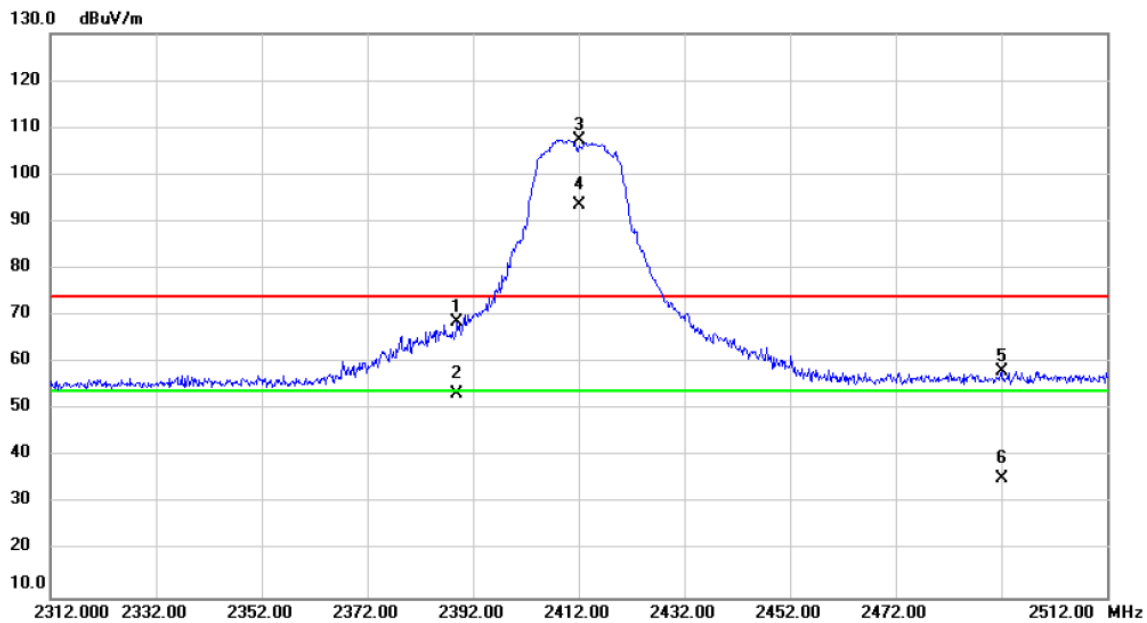


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2375.200	26.67	30.74	57.41	74.00	-16.59	peak	
2		2375.200	4.02	30.74	34.76	54.00	-19.24	AVG	
3	X	2462.000	74.14	31.08	105.22	74.00	31.22	peak	No Limit
4	*	2462.000	68.98	31.08	100.06	54.00	46.06	AVG	No Limit
5		2488.800	27.10	31.18	58.28	74.00	-15.72	peak	
6		2488.800	8.31	31.18	39.49	54.00	-14.51	AVG	

REMARKS:

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

Test Mode	IEEE 802.11g	Test Date	2020/7/24
Test Frequency	CH01: 2412 MHz	Polarization	Horizontal



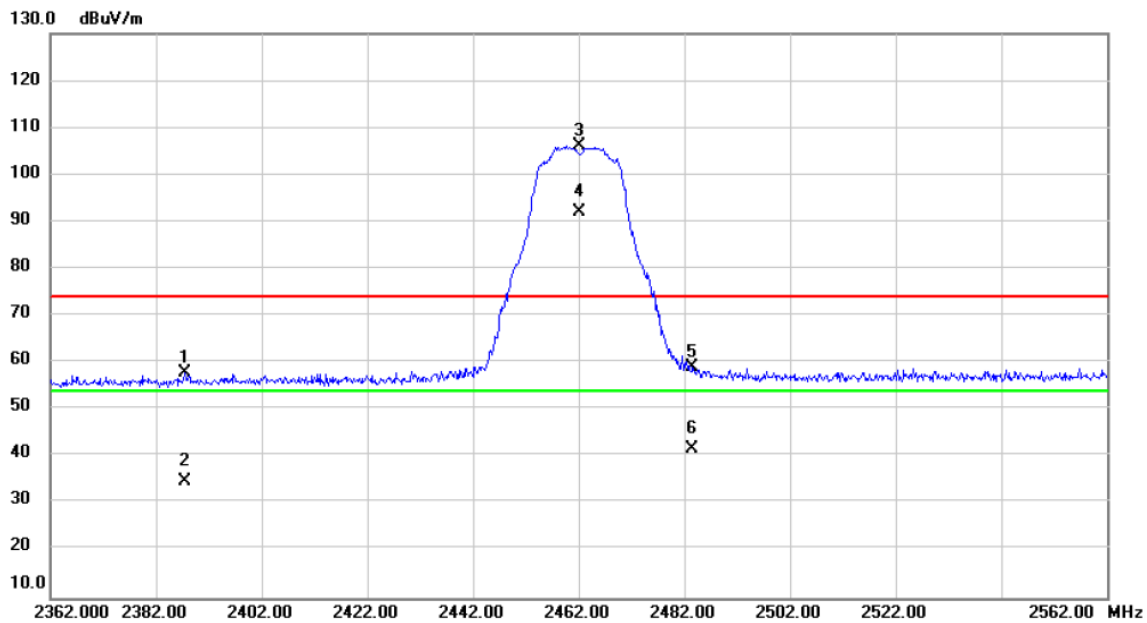
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2389.000	37.81	30.78	68.59	74.00	-5.41	peak	
2		2389.000	22.42	30.78	53.20	54.00	-0.80	AVG	
3	X	2412.000	76.59	30.88	107.47	74.00	33.47	peak	No Limit
4	*	2412.000	62.54	30.88	93.42	54.00	39.42	AVG	No Limit
5		2492.000	27.03	31.20	58.23	74.00	-15.77	peak	
6		2492.000	4.03	31.20	35.23	54.00	-18.77	AVG	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode	IEEE 802.11g	Test Date	2020/7/24
Test Frequency	CH11: 2462 MHz	Polarization	Horizontal



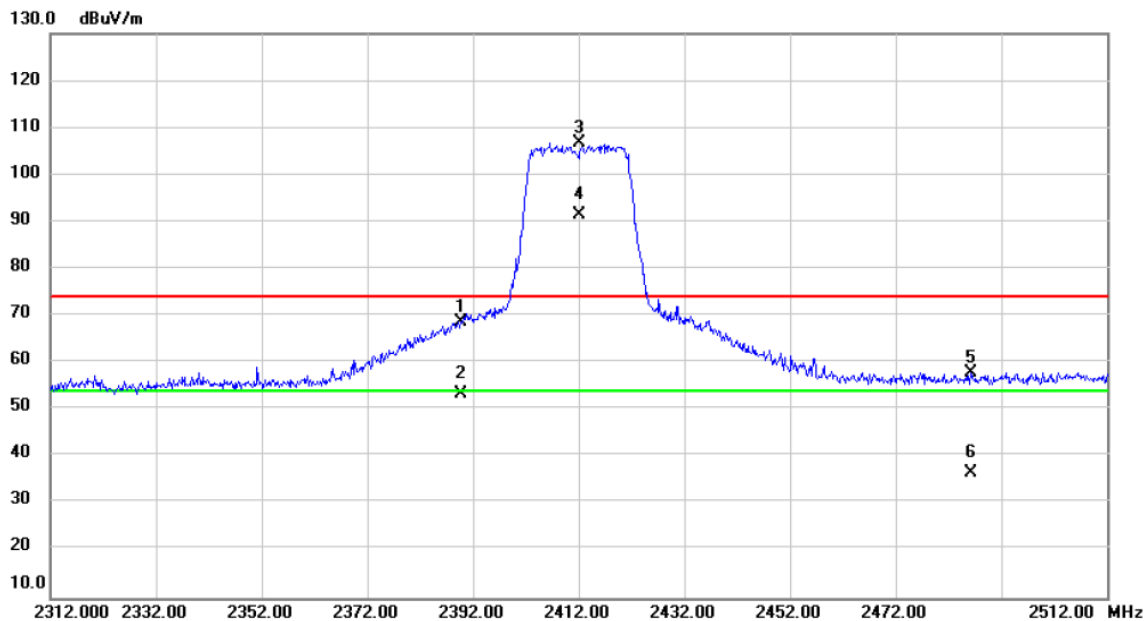
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2387.600	26.98	30.78	57.76	74.00	-16.24	peak	
2		2387.600	3.84	30.78	34.62	54.00	-19.38	AVG	
3	X	2462.000	74.97	31.08	106.05	74.00	32.05	peak	No Limit
4	*	2462.000	61.07	31.08	92.15	54.00	38.15	AVG	No Limit
5		2483.500	27.75	31.16	58.91	74.00	-15.09	peak	
6		2483.500	10.36	31.16	41.52	54.00	-12.48	AVG	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode	IEEE 802.11n (HT20)	Test Date	2020/7/24
Test Frequency	CH01: 2412 MHz	Polarization	Horizontal



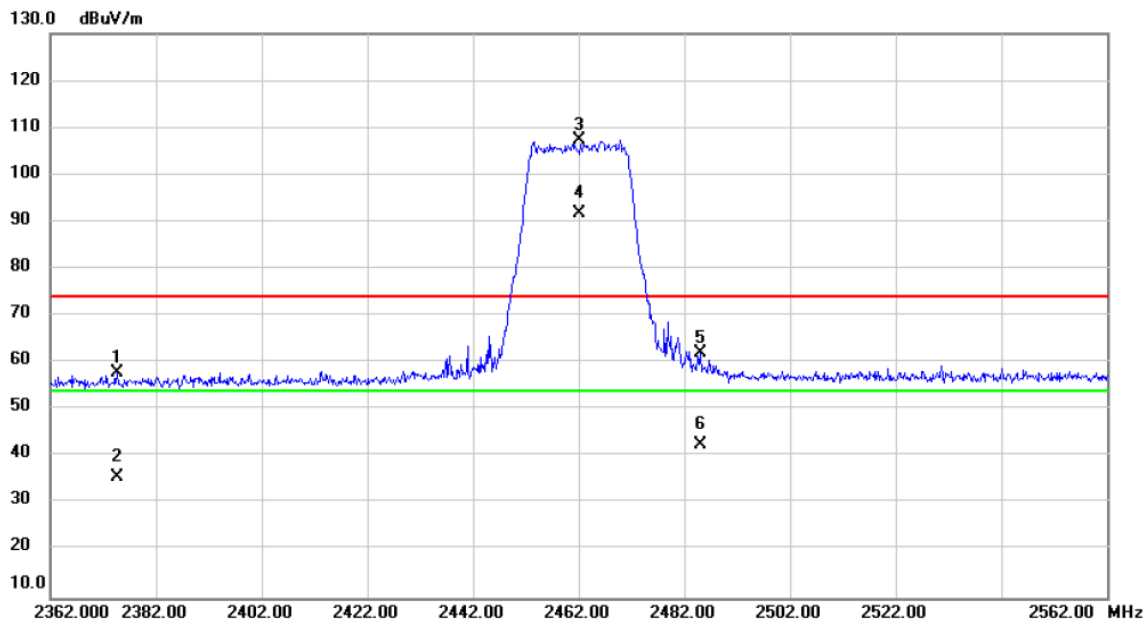
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		2389.800	37.92	30.79	68.71	74.00	-5.29	peak	
2		2389.800	22.59	30.79	53.38	54.00	-0.62	AVG	
3	X	2412.000	75.79	30.88	106.67	74.00	32.67	peak	No Limit
4	*	2412.000	60.48	30.88	91.36	54.00	37.36	AVG	No Limit
5		2486.200	26.64	31.17	57.81	74.00	-16.19	peak	
6		2486.200	5.45	31.17	36.62	54.00	-17.38	AVG	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode	IEEE 802.11n (HT20)	Test Date	2020/7/24
Test Frequency	CH11: 2462 MHz	Polarization	Horizontal



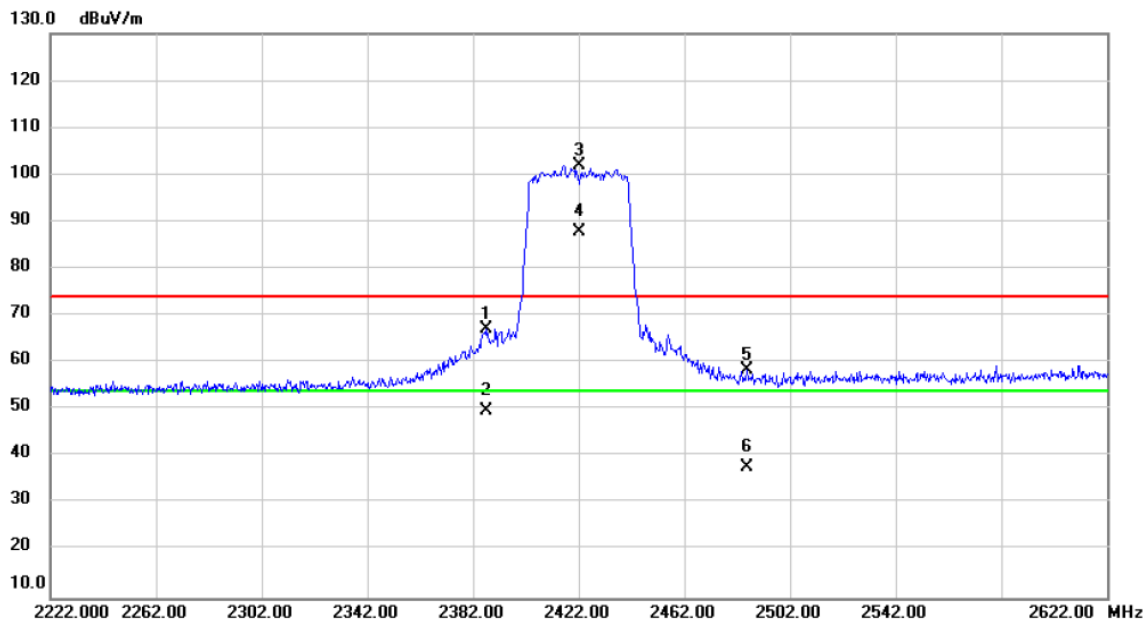
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2374.600	26.98	30.72	57.70	74.00	-16.30	peak	
2		2374.600	4.92	30.72	35.64	54.00	-18.36	AVG	
3	X	2462.000	76.24	31.08	107.32	74.00	33.32	peak	No Limit
4	*	2462.000	60.62	31.08	91.70	54.00	37.70	AVG	No Limit
5		2485.000	30.79	31.17	61.96	74.00	-12.04	peak	
6		2485.000	11.44	31.17	42.61	54.00	-11.39	AVG	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode	IEEE 802.11n (HT40)	Test Date	2020/7/24
Test Frequency	CH03: 2422 MHz	Polarization	Horizontal



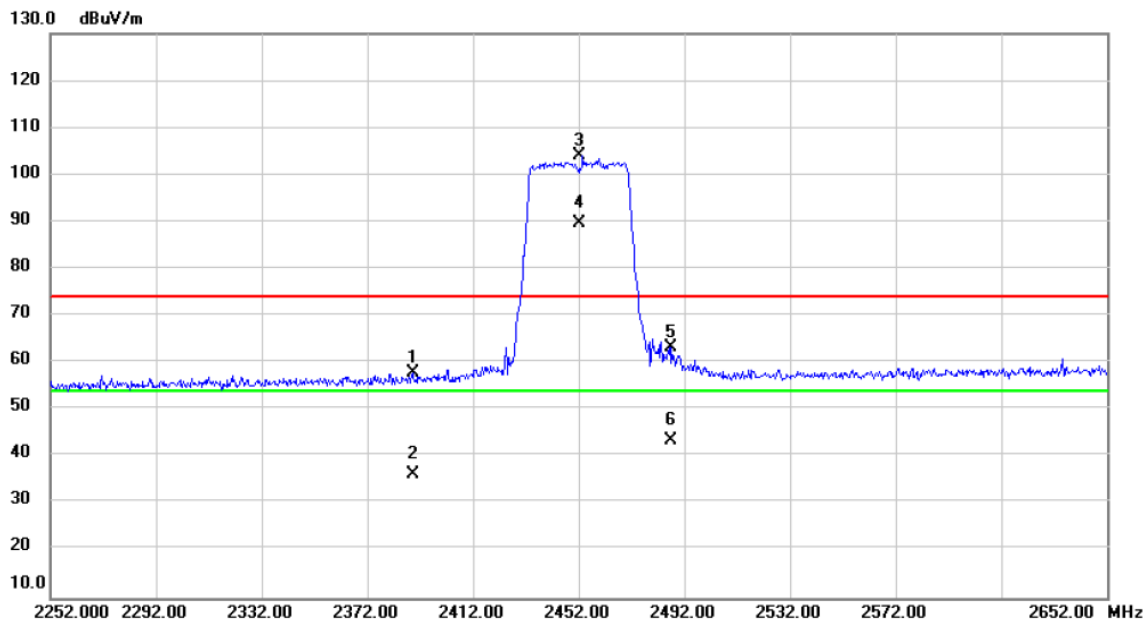
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2387.200	36.34	30.78	67.12	74.00	-6.88	peak	
2		2387.200	18.97	30.78	49.75	54.00	-4.25	AVG	
3	X	2422.000	70.97	30.91	101.88	74.00	27.88	peak	No Limit
4	*	2422.000	57.06	30.91	87.97	54.00	33.97	AVG	No Limit
5		2485.600	27.35	31.17	58.52	74.00	-15.48	peak	
6		2485.600	6.51	31.17	37.68	54.00	-16.32	AVG	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode	IEEE 802.11n (HT40)	Test Date	2020/7/24
Test Frequency	CH09: 2452 MHz	Polarization	Horizontal



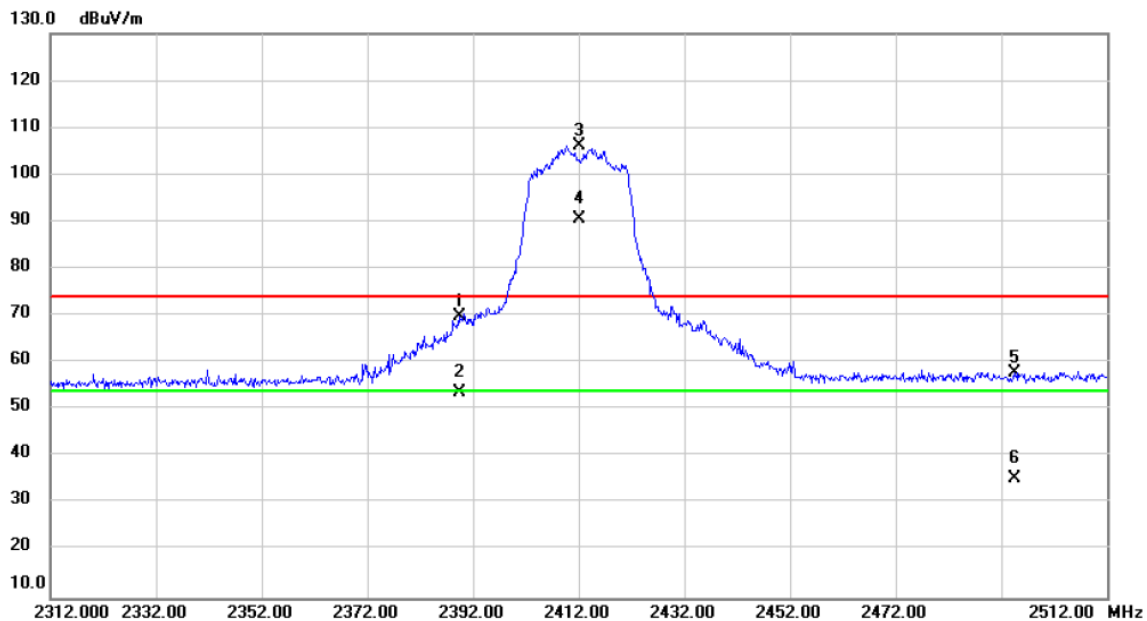
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		2389.200	27.03	30.78	57.81	74.00	-16.19	peak	
2		2389.200	5.61	30.78	36.39	54.00	-17.61	AVG	
3	X	2452.000	73.01	31.04	104.05	74.00	30.05	peak	No Limit
4	*	2452.000	58.54	31.04	89.58	54.00	35.58	AVG	No Limit
5		2487.200	32.05	31.18	63.23	74.00	-10.77	peak	
6		2487.200	12.36	31.18	43.54	54.00	-10.46	AVG	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode	IEEE 802.11ax (HE20)	Test Date	2020/7/24
Test Frequency	CH01: 2412 MHz	Polarization	Horizontal

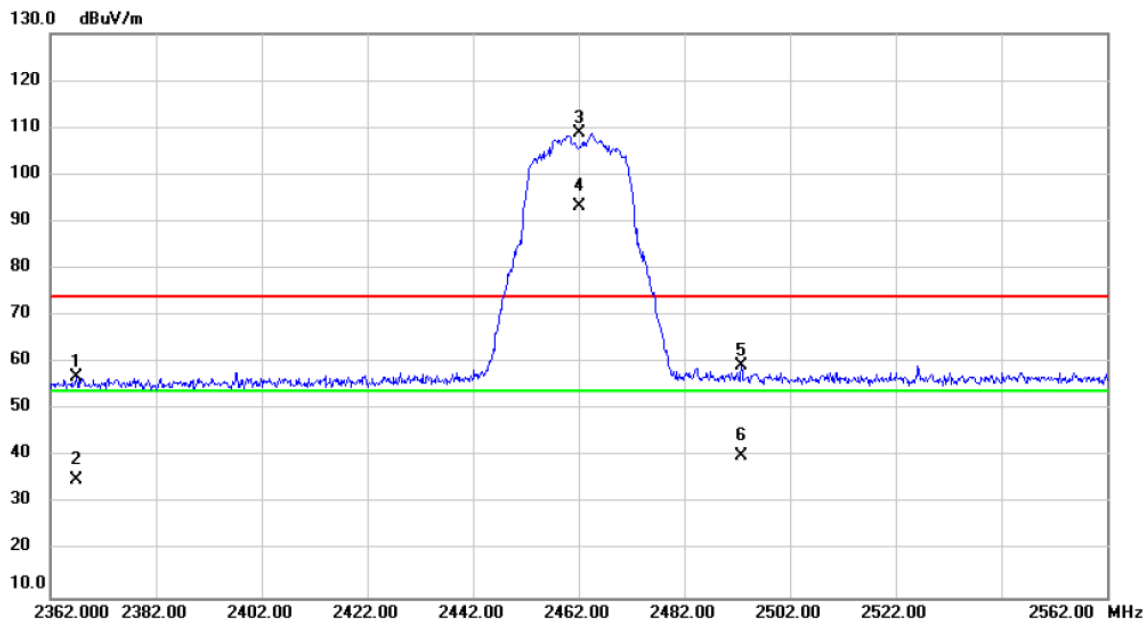


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2389.400	39.00	30.78	69.78	74.00	-4.22	peak	
2		2389.400	22.75	30.78	53.53	54.00	-0.47	AVG	
3	X	2412.000	75.33	30.88	106.21	74.00	32.21	peak	No Limit
4	*	2412.000	59.64	30.88	90.52	54.00	36.52	AVG	No Limit
5		2494.400	26.74	31.21	57.95	74.00	-16.05	peak	
6		2494.400	4.05	31.21	35.26	54.00	-18.74	AVG	

REMARKS:

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

Test Mode	IEEE 802.11ax (HE20)	Test Date	2020/7/24
Test Frequency	CH11: 2462 MHz	Polarization	Horizontal



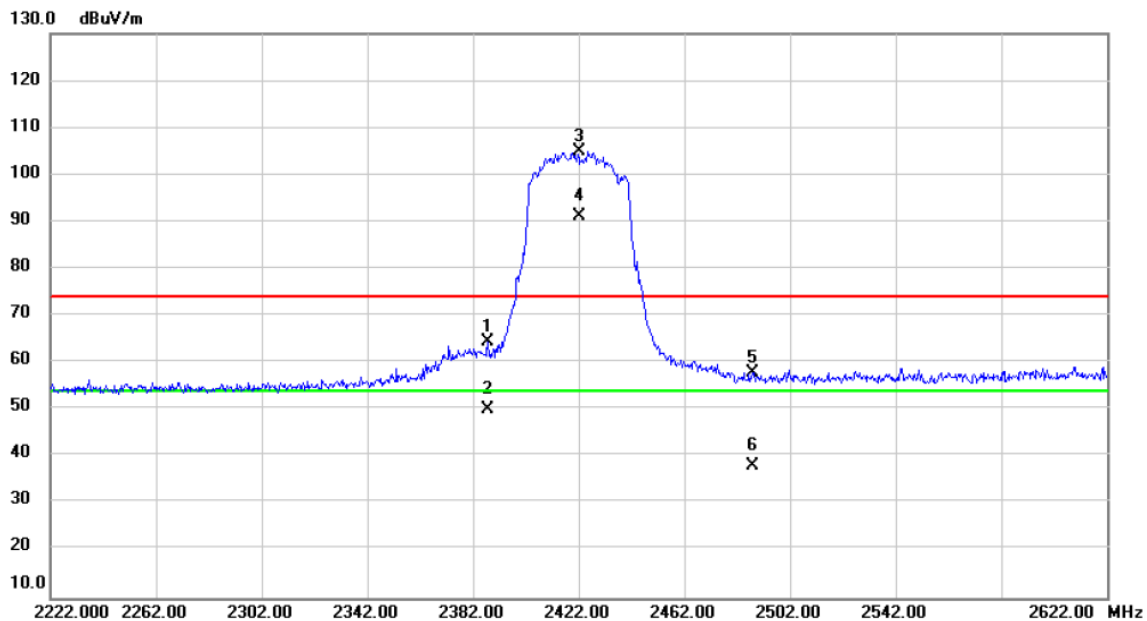
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2367.000	26.17	30.70	56.87	74.00	-17.13	peak	
2		2367.000	4.46	30.70	35.16	54.00	-18.84	AVG	
3	X	2462.000	77.70	31.08	108.78	74.00	34.78	peak	No Limit
4	*	2462.000	62.11	31.08	93.19	54.00	39.19	AVG	No Limit
5		2492.800	28.27	31.21	59.48	74.00	-14.52	peak	
6		2492.800	8.99	31.21	40.20	54.00	-13.80	AVG	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode	IEEE 802.11ax (HE40)	Test Date	2020/7/24
Test Frequency	CH03: 2422 MHz	Polarization	Horizontal



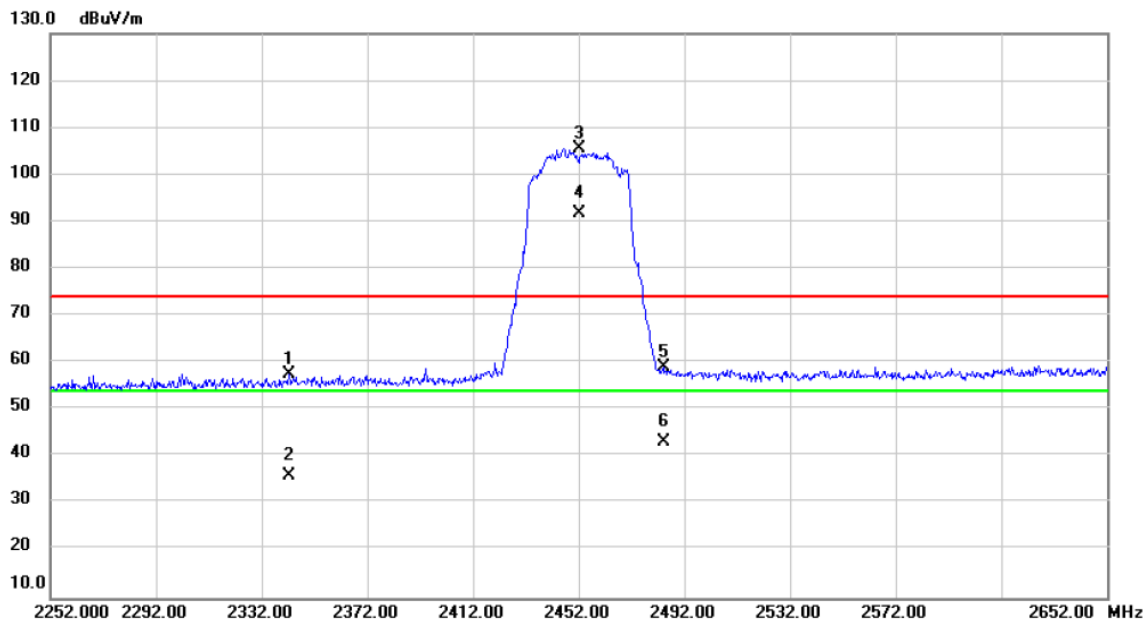
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2387.600	33.55	30.78	64.33	74.00	-9.67	peak	
2		2387.600	19.23	30.78	50.01	54.00	-3.99	AVG	
3	X	2422.000	73.92	30.91	104.83	74.00	30.83	peak	No Limit
4	*	2422.000	60.15	30.91	91.06	54.00	37.06	AVG	No Limit
5		2488.000	26.73	31.18	57.91	74.00	-16.09	peak	
6		2488.000	6.91	31.18	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 802.11ax (HE40)	Test Date	2020/7/24
Test Frequency	CH09: 2452 MHz	Polarization	Horizontal



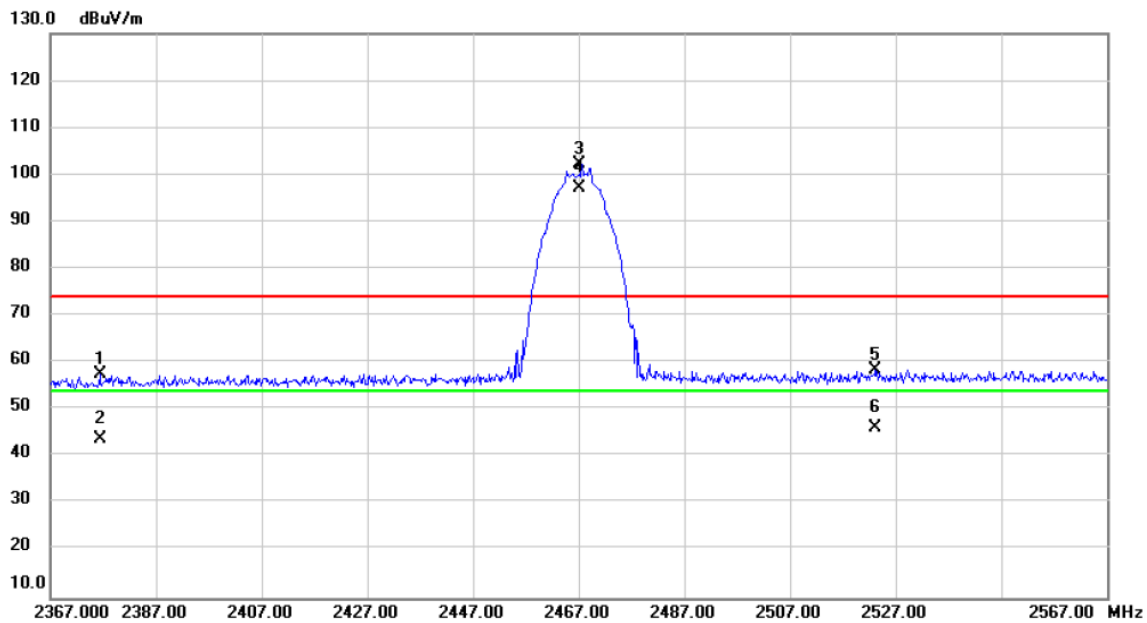
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2342.400	26.95	30.60	57.55	74.00	-16.45	peak	
2		2342.400	5.22	30.60	35.82	54.00	-18.18	AVG	
3	X	2452.000	74.49	31.04	105.53	74.00	31.53	peak	No Limit
4	*	2452.000	60.72	31.04	91.76	54.00	37.76	AVG	No Limit
5		2484.000	27.89	31.17	59.06	74.00	-14.94	peak	
6		2484.000	11.90	31.17	43.07	54.00	-10.93	AVG	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode	IEEE 802.11b	Test Date	2020/9/10
Test Frequency	CH12: 2467 MHz	Polarization	Horizontal

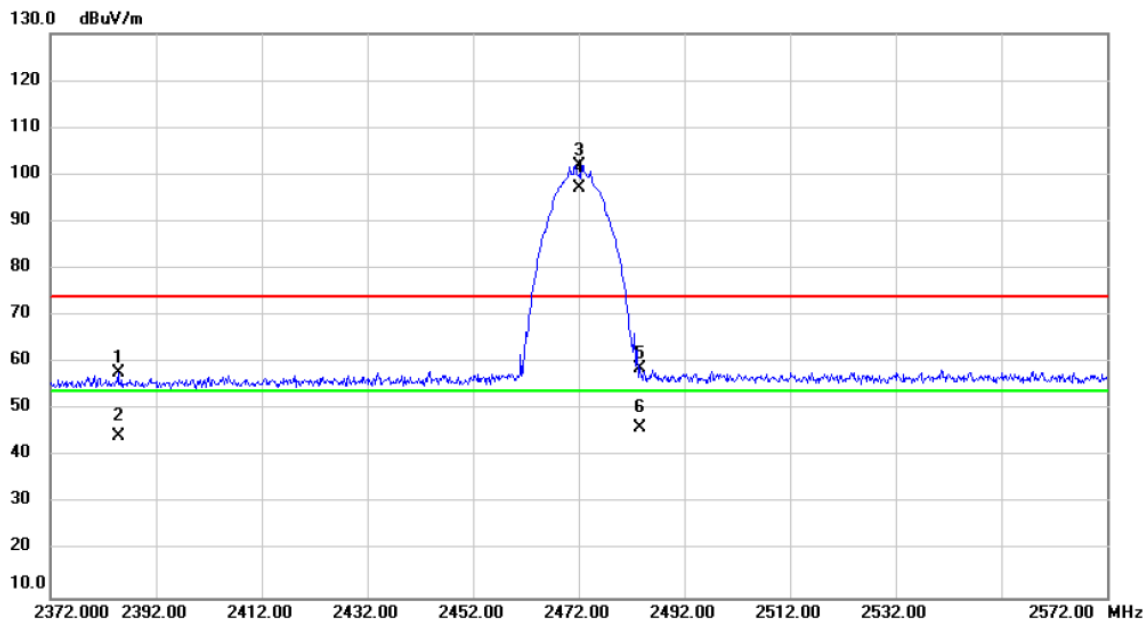


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2376.400	26.75	30.74	57.49	74.00	-16.51	peak	
2		2376.400	13.00	30.74	43.74	54.00	-10.26	AVG	
3	X	2467.000	71.08	31.10	102.18	74.00	28.18	peak	No Limit
4	*	2467.000	65.98	31.10	97.08	54.00	43.08	AVG	No Limit
5		2523.200	27.09	31.32	58.41	74.00	-15.59	peak	
6		2523.200	14.70	31.32	46.02	54.00	-7.98	AVG	

REMARKS:

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

Test Mode	IEEE 802.11b	Test Date	2020/9/10
Test Frequency	CH13: 2472 MHz	Polarization	Horizontal

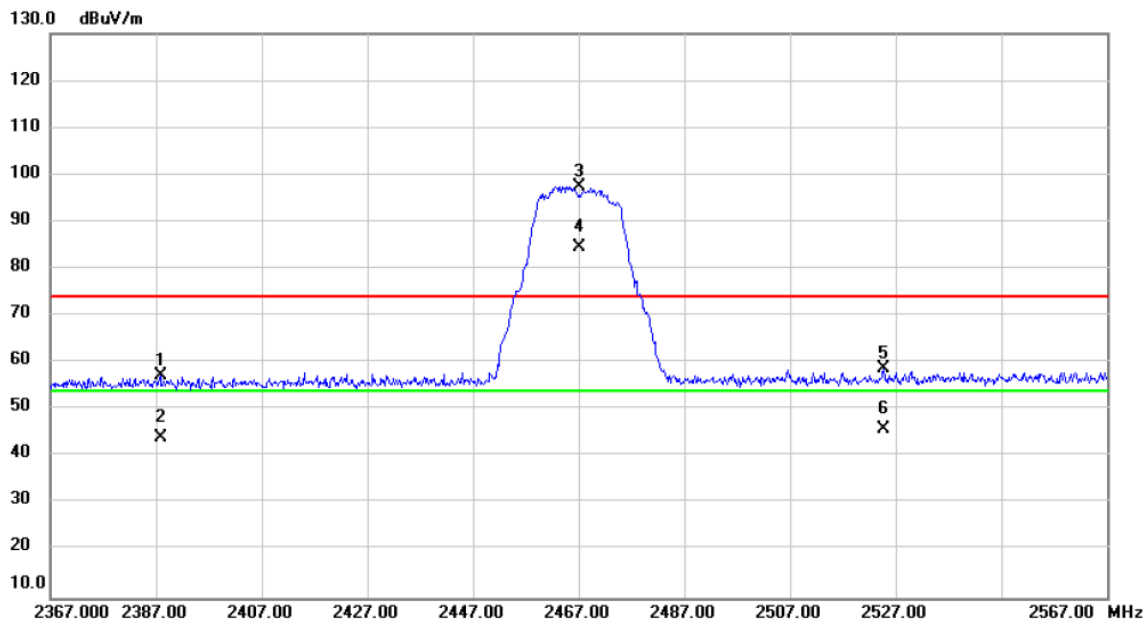


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2384.800	27.01	30.77	57.78	74.00	-16.22	peak	
2		2384.800	13.50	30.77	44.27	54.00	-9.73	AVG	
3	X	2472.000	70.97	31.11	102.08	74.00	28.08	peak	No Limit
4	*	2472.000	65.96	31.11	97.07	54.00	43.07	AVG	No Limit
5		2483.600	27.57	31.16	58.73	74.00	-15.27	peak	
6		2483.600	15.00	31.16	46.16	54.00	-7.84	AVG	

REMARKS:

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

Test Mode	IEEE 802.11g	Test Date	2020/9/10
Test Frequency	CH12: 2467 MHz	Polarization	Horizontal

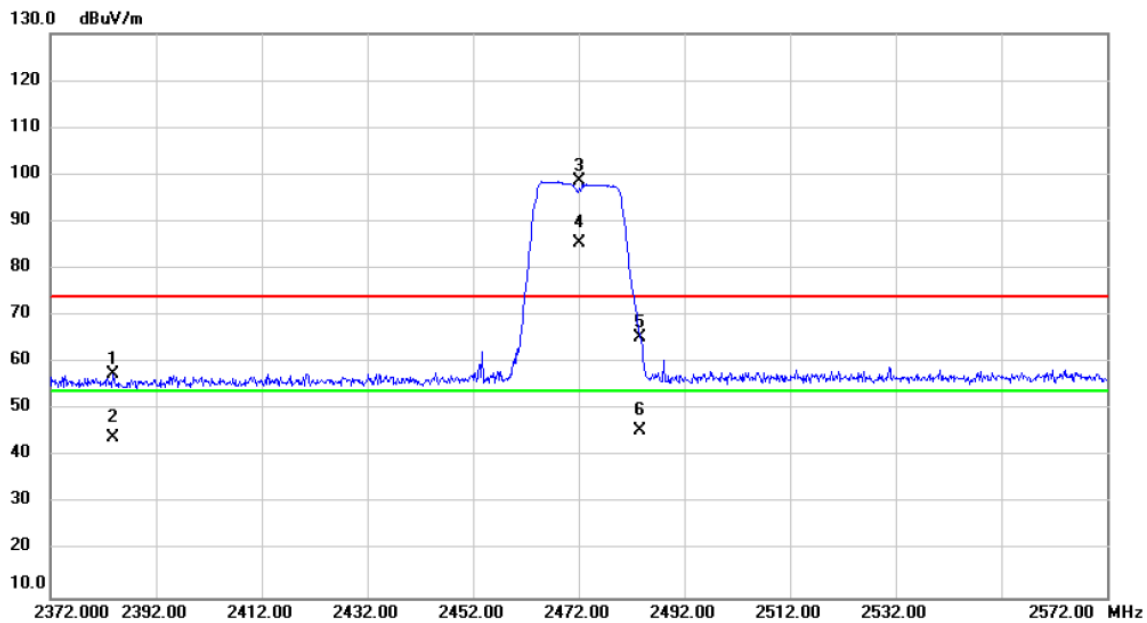


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2387.800	26.45	30.78	57.23	74.00	-16.77	peak	
2		2387.800	13.40	30.78	44.18	54.00	-9.82	AVG	
3	X	2467.000	66.37	31.10	97.47	74.00	23.47	peak	No Limit
4	*	2467.000	53.53	31.10	84.63	54.00	30.63	AVG	No Limit
5		2524.800	27.49	31.33	58.82	74.00	-15.18	peak	
6		2524.800	14.60	31.33	45.93	54.00	-8.07	AVG	

REMARKS:

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

Test Mode	IEEE 802.11g	Test Date	2020/9/10
Test Frequency	CH13: 2472 MHz	Polarization	Horizontal



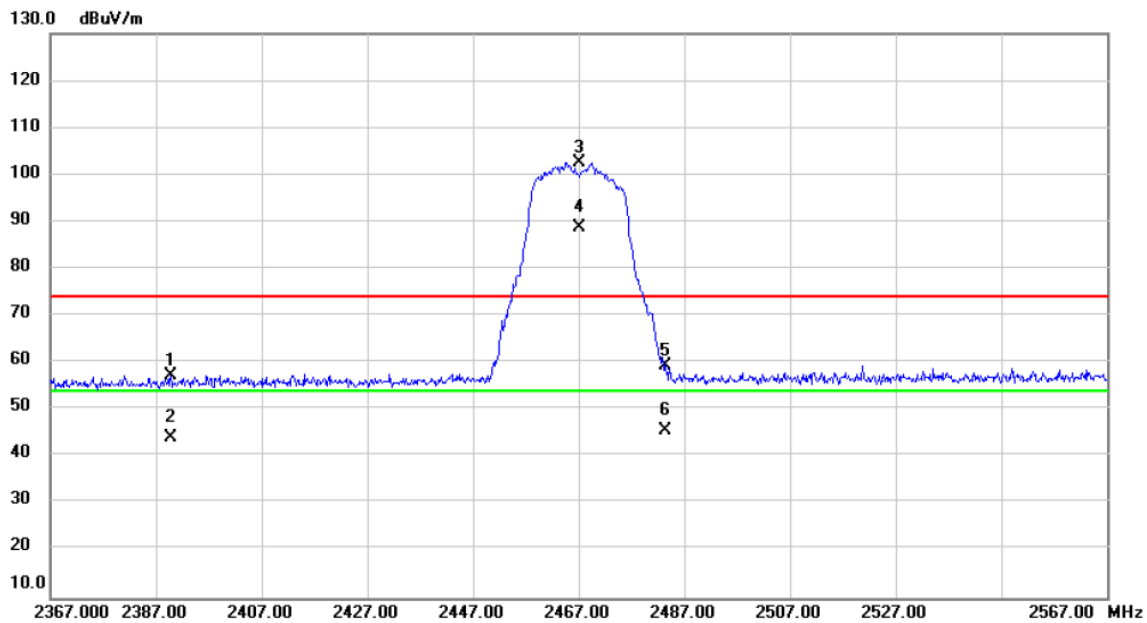
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2383.800	26.82	30.76	57.58	74.00	-16.42	peak	
2		2383.800	13.43	30.76	44.19	54.00	-9.81	AVG	
3	X	2472.000	67.60	31.11	98.71	74.00	24.71	peak	No Limit
4	*	2472.000	54.46	31.11	85.57	54.00	31.57	AVG	No Limit
5		2483.600	34.07	31.16	65.23	74.00	-8.77	peak	
6		2483.600	14.40	31.16	45.56	54.00	-8.44	AVG	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode	IEEE 802.11n (HT20)	Test Date	2020/9/10
Test Frequency	CH12: 2467 MHz	Polarization	Horizontal

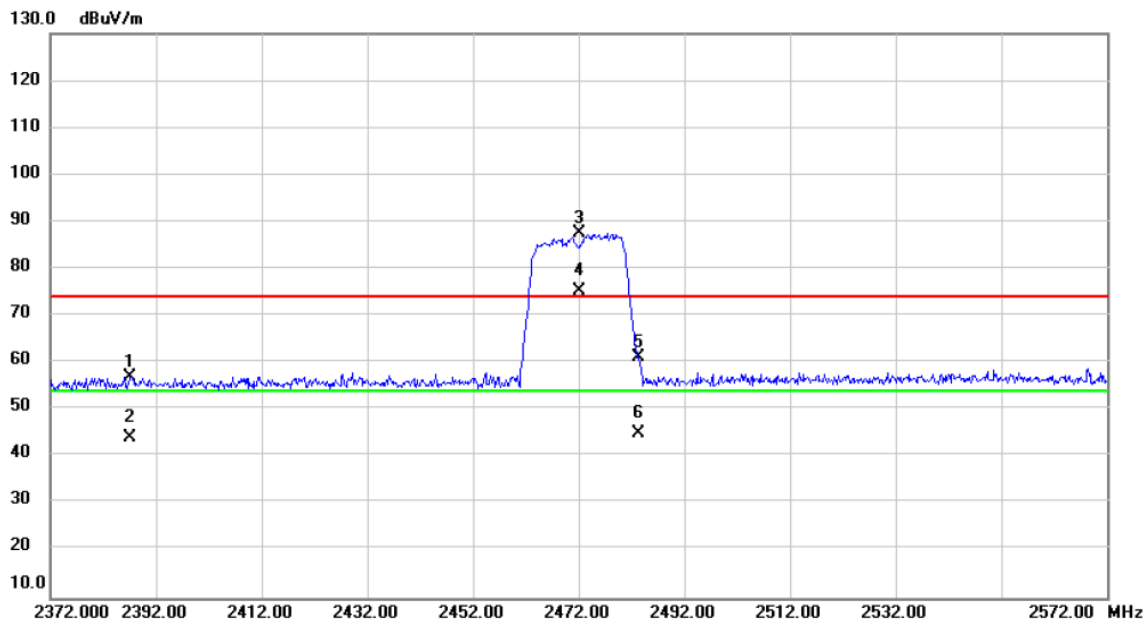


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2389.800	26.45	30.79	57.24	74.00	-16.76	peak	
2		2389.800	13.39	30.79	44.18	54.00	-9.82	AVG	
3	X	2467.000	71.47	31.10	102.57	74.00	28.57	peak	No Limit
4	*	2467.000	57.55	31.10	88.65	54.00	34.65	AVG	No Limit
5		2483.400	28.28	31.16	59.44	74.00	-14.56	peak	
6		2483.400	14.40	31.16	45.56	54.00	-8.44	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT20)	Test Date	2020/9/10
Test Frequency	CH13: 2472 MHz	Polarization	Horizontal

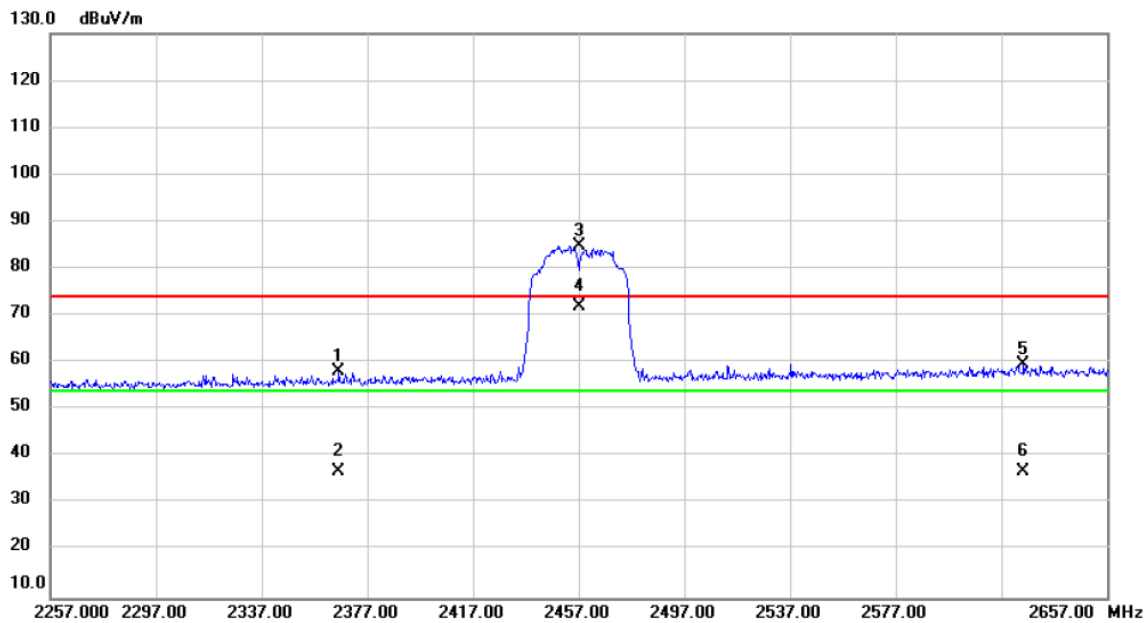


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2387.200	26.17	30.78	56.95	74.00	-17.05	peak	
2		2387.200	13.20	30.78	43.98	54.00	-10.02	AVG	
3	X	2472.000	56.40	31.11	87.51	74.00	13.51	peak	No Limit
4	*	2472.000	44.23	31.11	75.34	54.00	21.34	AVG	No Limit
5		2483.400	30.00	31.16	61.16	74.00	-12.84	peak	
6		2483.400	13.80	31.16	44.96	54.00	-9.04	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT40)	Test Date	2020/9/10
Test Frequency	CH10: 2457 MHz	Polarization	Horizontal

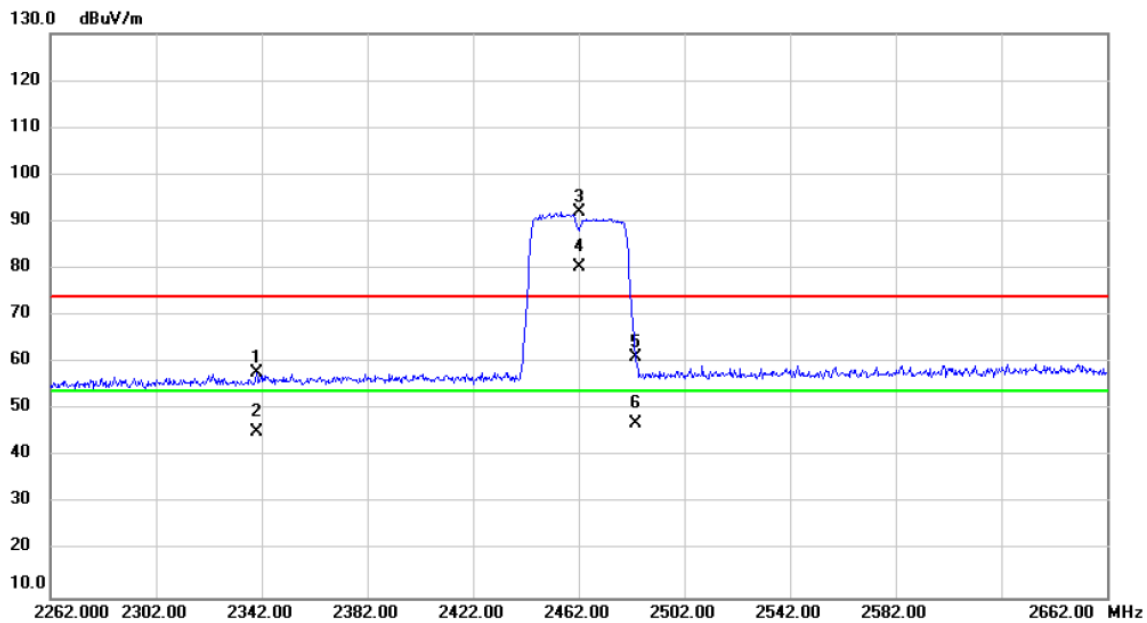


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2366.200	27.45	30.70	58.15	74.00	-15.85	peak	
2		2366.200	6.00	30.70	36.70	54.00	-17.30	AVG	
3	X	2457.000	53.86	31.05	84.91	74.00	10.91	peak	No Limit
4	*	2457.000	40.88	31.05	71.93	54.00	17.93	AVG	No Limit
5		2625.400	27.98	31.75	59.73	74.00	-14.27	peak	
6		2625.400	5.09	31.75	36.84	54.00	-17.16	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT40)	Test Date	2020/9/10
Test Frequency	CH11: 2462 MHz	Polarization	Horizontal



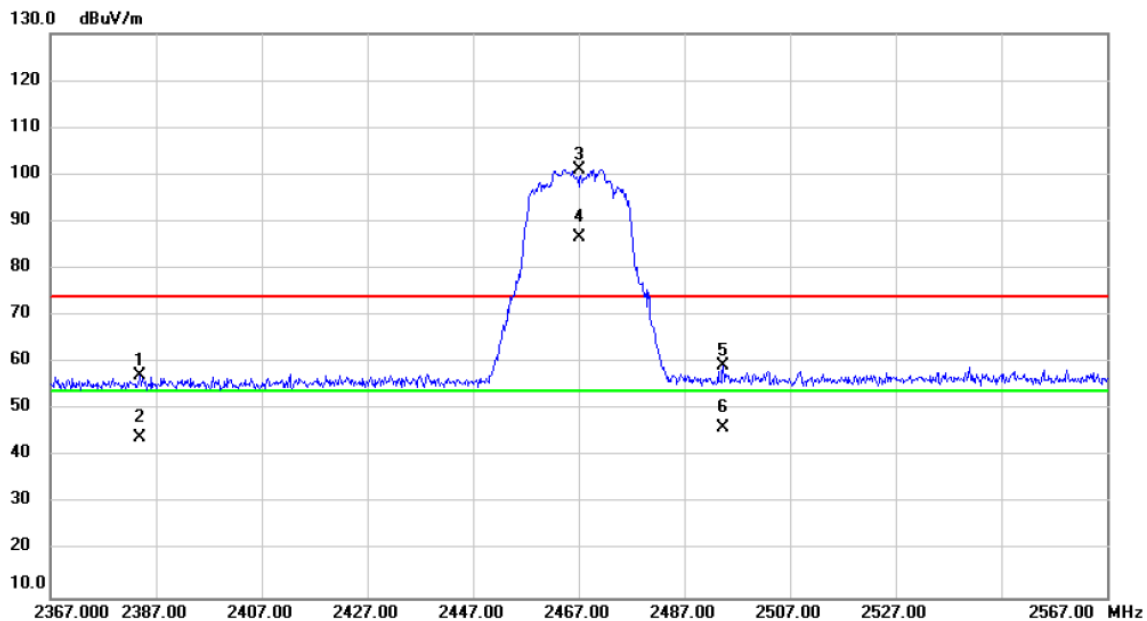
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2340.000	27.34	30.59	57.93	74.00	-16.07	peak	
2		2340.000	14.75	30.59	45.34	54.00	-8.66	AVG	
3	X	2462.000	61.00	31.08	92.08	74.00	18.08	peak	No Limit
4	*	2462.000	49.41	31.08	80.49	54.00	26.49	AVG	No Limit
5		2483.600	29.98	31.16	61.14	74.00	-12.86	peak	
6		2483.600	15.90	31.16	47.06	54.00	-6.94	AVG	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode	IEEE 802.11ax (HE20)	Test Date	2020/9/10
Test Frequency	CH12: 2467 MHz	Polarization	Horizontal



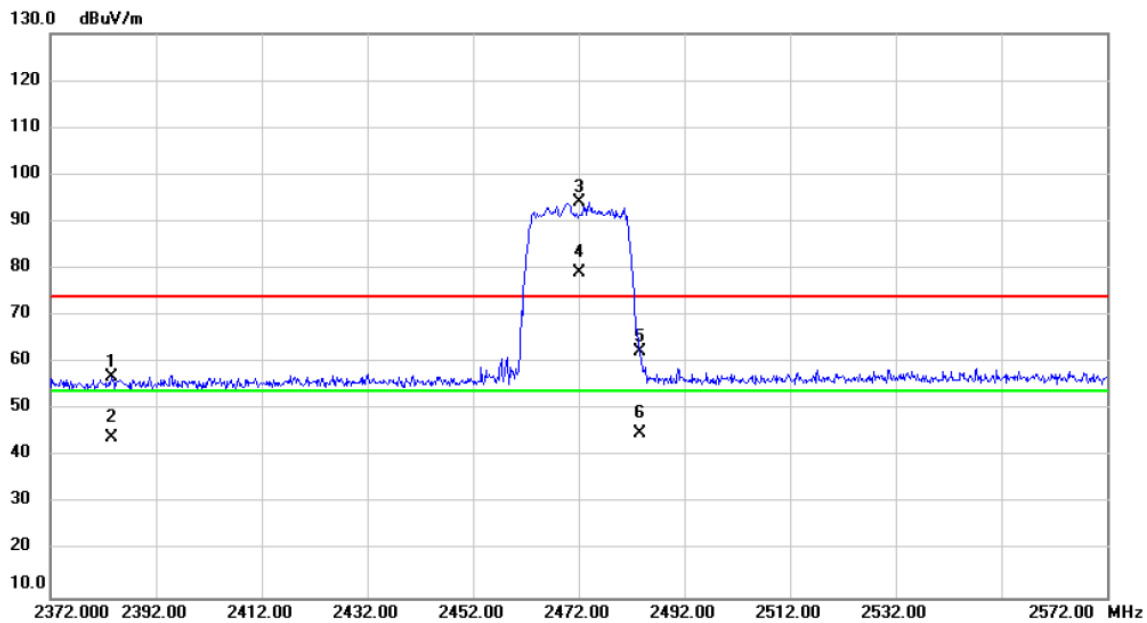
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2384.000	26.45	30.77	57.22	74.00	-16.78	peak	
2		2384.000	13.42	30.77	44.19	54.00	-9.81	AVG	
3	X	2467.000	70.05	31.10	101.15	74.00	27.15	peak	No Limit
4	*	2467.000	55.69	31.10	86.79	54.00	32.79	AVG	No Limit
5		2494.400	28.17	31.21	59.38	74.00	-14.62	peak	
6		2494.400	14.80	31.21	46.01	54.00	-7.99	AVG	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode	IEEE 802.11ax (HE20)	Test Date	2020/9/10
Test Frequency	CH13: 2472 MHz	Polarization	Horizontal



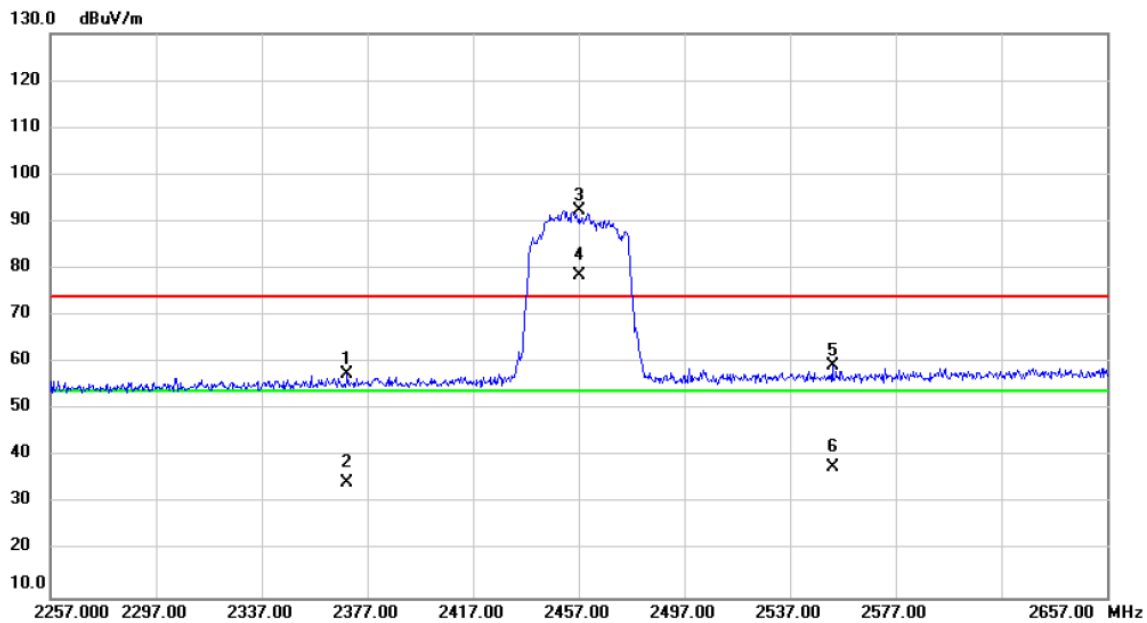
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2383.600	26.26	30.76	57.02	74.00	-16.98	peak	
2		2383.600	13.20	30.76	43.96	54.00	-10.04	AVG	
3	X	2472.000	62.97	31.11	94.08	74.00	20.08	peak	No Limit
4	*	2472.000	48.18	31.11	79.29	54.00	25.29	AVG	No Limit
5		2483.500	31.34	31.16	62.50	74.00	-11.50	peak	
6		2483.500	13.86	31.16	45.02	54.00	-8.98	AVG	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode	IEEE 802.11ax (HE40)	Test Date	2020/9/10
Test Frequency	CH10: 2457 MHz	Polarization	Horizontal



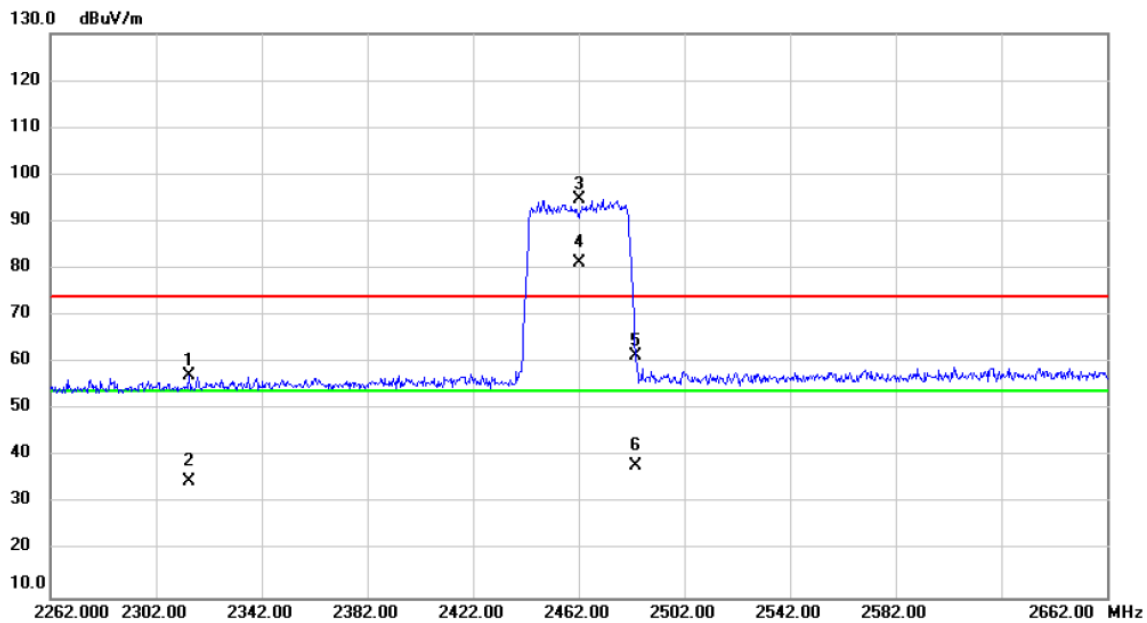
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2369.400	26.72	30.71	57.43	74.00	-16.57	peak	
2		2369.400	3.60	30.71	34.31	54.00	-19.69	AVG	
3	X	2457.000	61.32	31.05	92.37	74.00	18.37	peak	No Limit
4	*	2457.000	47.51	31.05	78.56	54.00	24.56	AVG	No Limit
5		2553.000	27.78	31.45	59.23	74.00	-14.77	peak	
6		2553.000	6.21	31.45	37.66	54.00	-16.34	AVG	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode	IEEE 802.11ax (HE40)	Test Date	2020/9/10
Test Frequency	CH11: 2462 MHz	Polarization	Horizontal



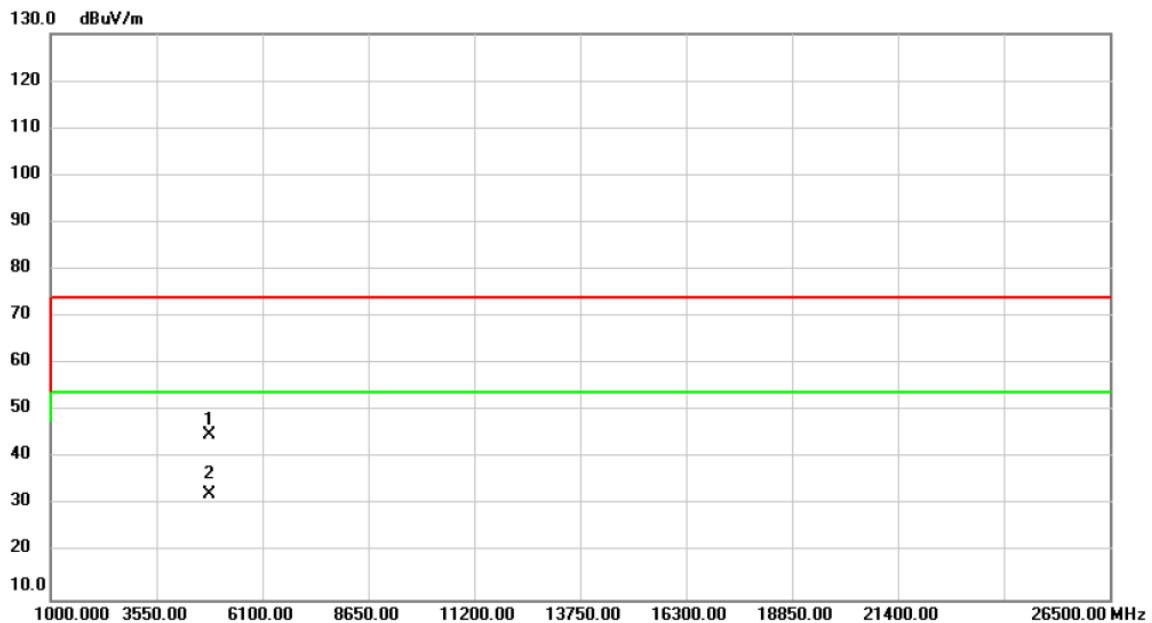
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		2314.400	26.64	30.49	57.13	74.00	-16.87	peak	
2		2314.400	4.15	30.49	34.64	54.00	-19.36	AVG	
3	X	2462.000	63.68	31.08	94.76	74.00	20.76	peak	No Limit
4	*	2462.000	50.29	31.08	81.37	54.00	27.37	AVG	No Limit
5		2483.600	30.33	31.16	61.49	74.00	-12.51	peak	
6		2483.600	6.75	31.16	37.91	54.00	-16.09	AVG	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode	IEEE 802.11b	Test Date	2020/7/24
Test Frequency	CH01: 2412 MHz	Polarization	Vertical

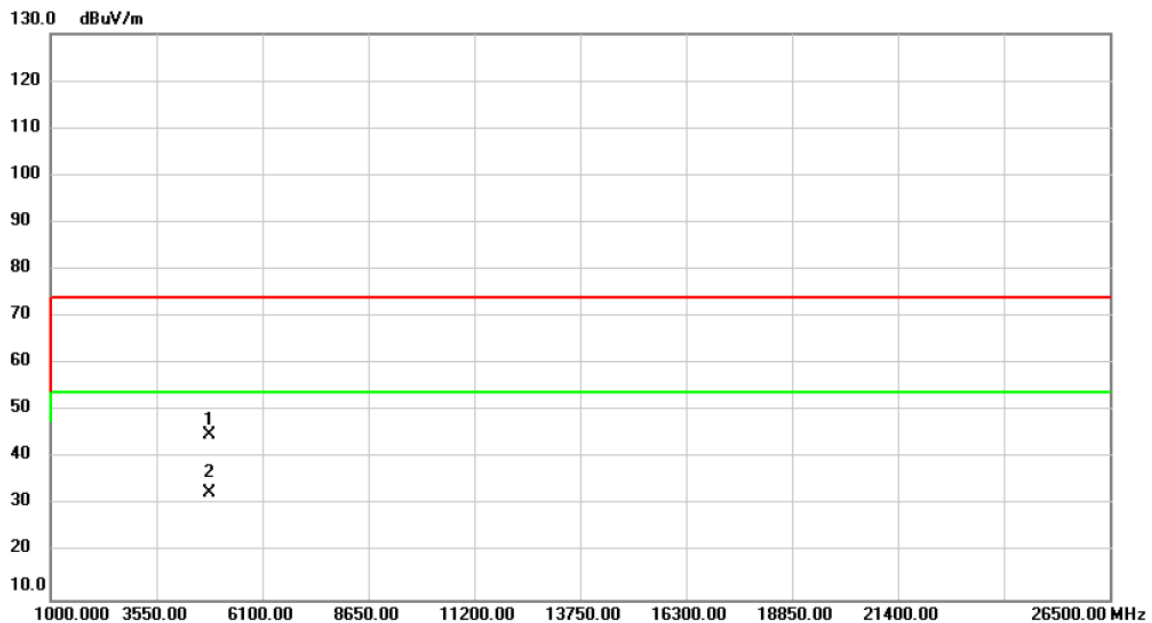


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	54.96	-9.96	45.00	74.00	-29.00	peak	
2	*	4824.000	42.32	-9.96	32.36	54.00	-21.64	AVG	

REMARKS:

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

Test Mode	IEEE 802.11b	Test Date	2020/7/24
Test Frequency	CH01: 2412 MHz	Polarization	Horizontal

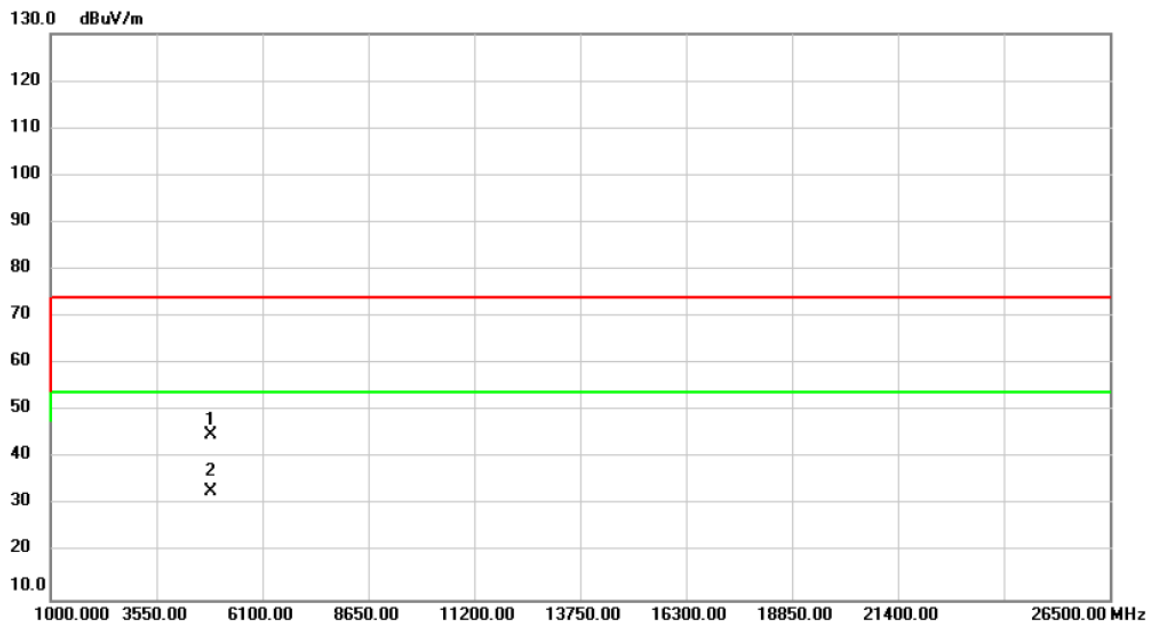


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	54.86	-9.96	44.90	74.00	-29.10	peak	
2	*	4824.000	42.49	-9.96	32.53	54.00	-21.47	AVG	

REMARKS:

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

Test Mode	IEEE 802.11b	Test Date	2020/7/24
Test Frequency	CH06: 2437 MHz	Polarization	Vertical

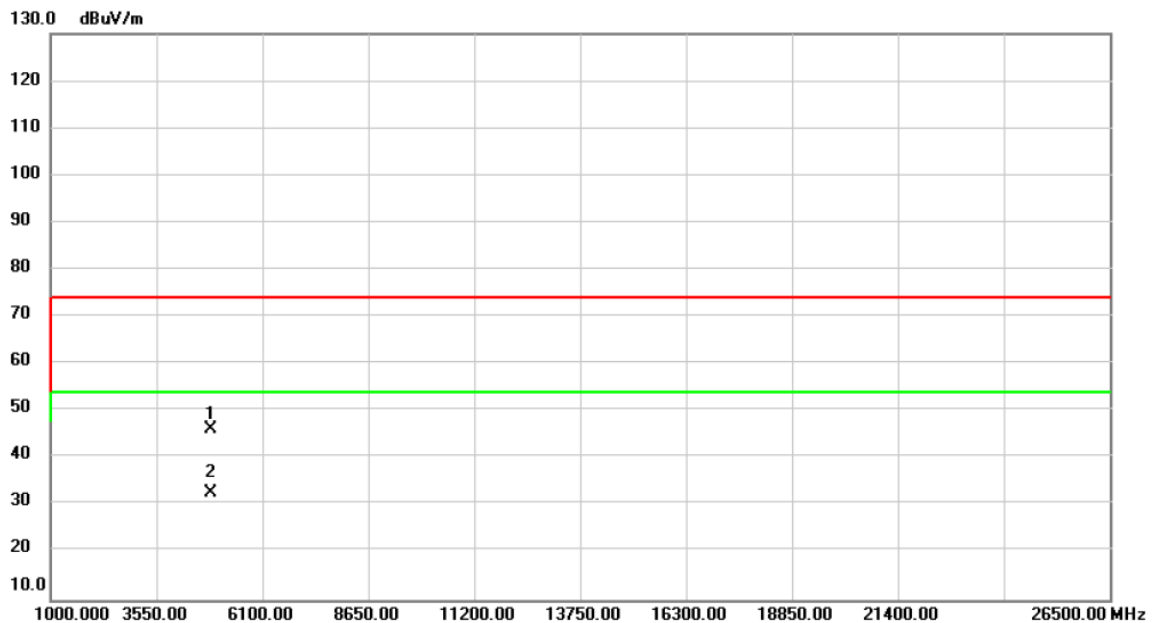


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	54.87	-9.79	45.08	74.00	-28.92	peak	
2	*	4874.000	42.63	-9.79	32.84	54.00	-21.16	AVG	

REMARKS:

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

Test Mode	IEEE 802.11b	Test Date	2020/7/24
Test Frequency	CH06: 2437 MHz	Polarization	Horizontal

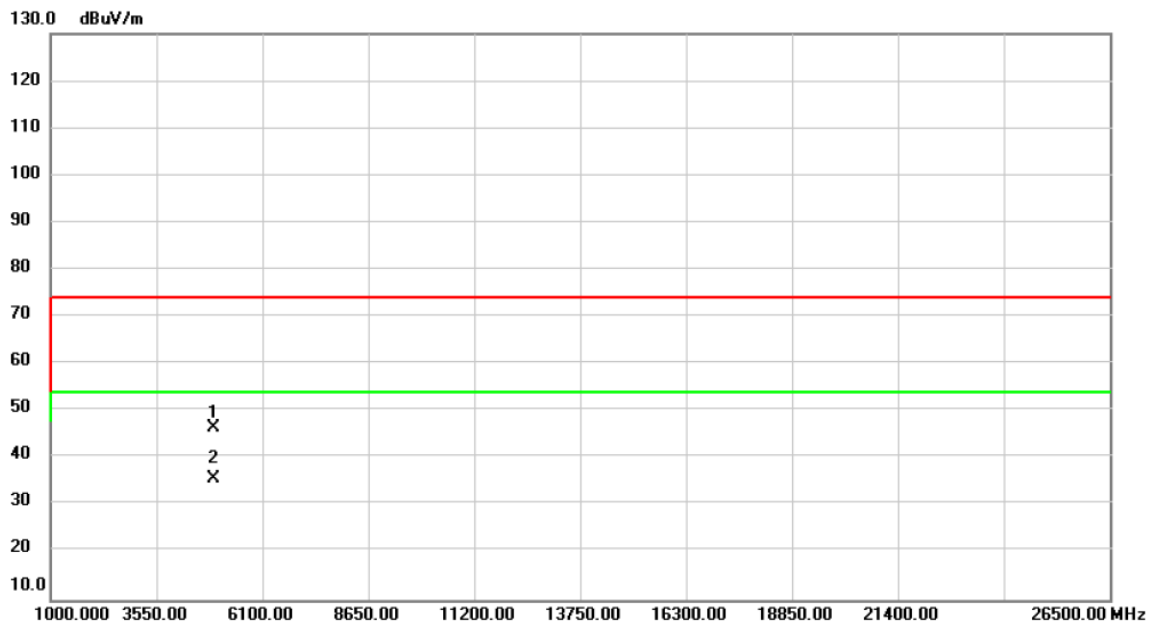


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	55.99	-9.79	46.20	74.00	-27.80	peak	
2	*	4874.000	42.59	-9.79	32.80	54.00	-21.20	AVG	

REMARKS:

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

Test Mode	IEEE 802.11b	Test Date	2020/7/24
Test Frequency	CH11: 2462 MHz	Polarization	Vertical

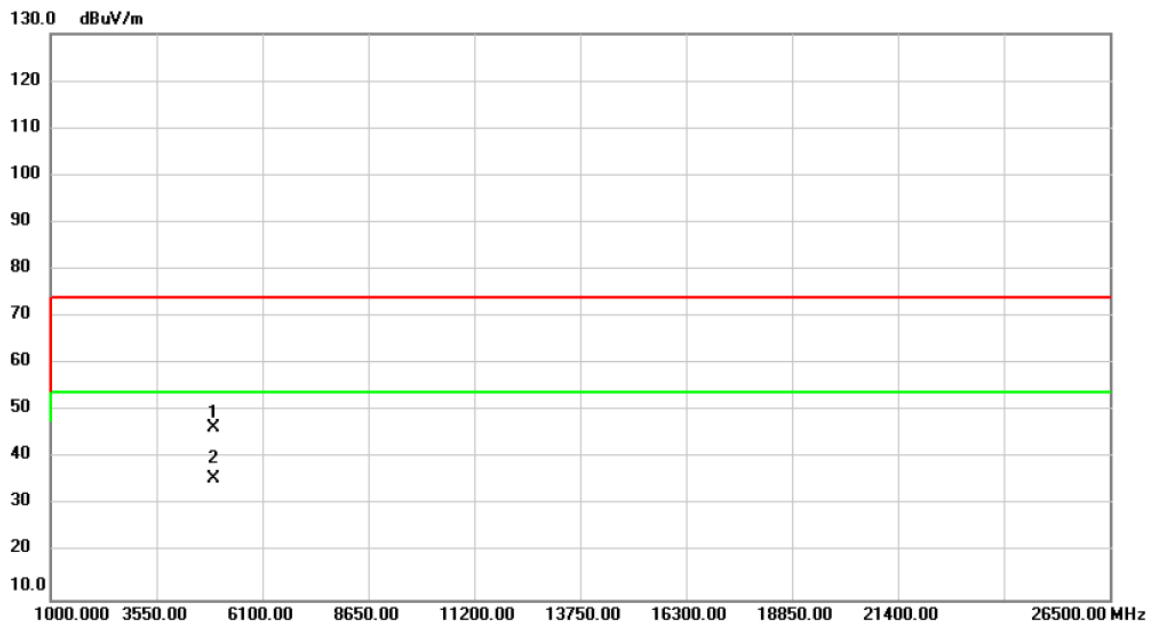


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	55.95	-9.62	46.33	74.00	-27.67	peak	
2	*	4924.000	45.37	-9.62	35.75	54.00	-18.25	AVG	

REMARKS:

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

Test Mode	IEEE 802.11b	Test Date	2020/7/24
Test Frequency	CH11: 2462 MHz	Polarization	Horizontal

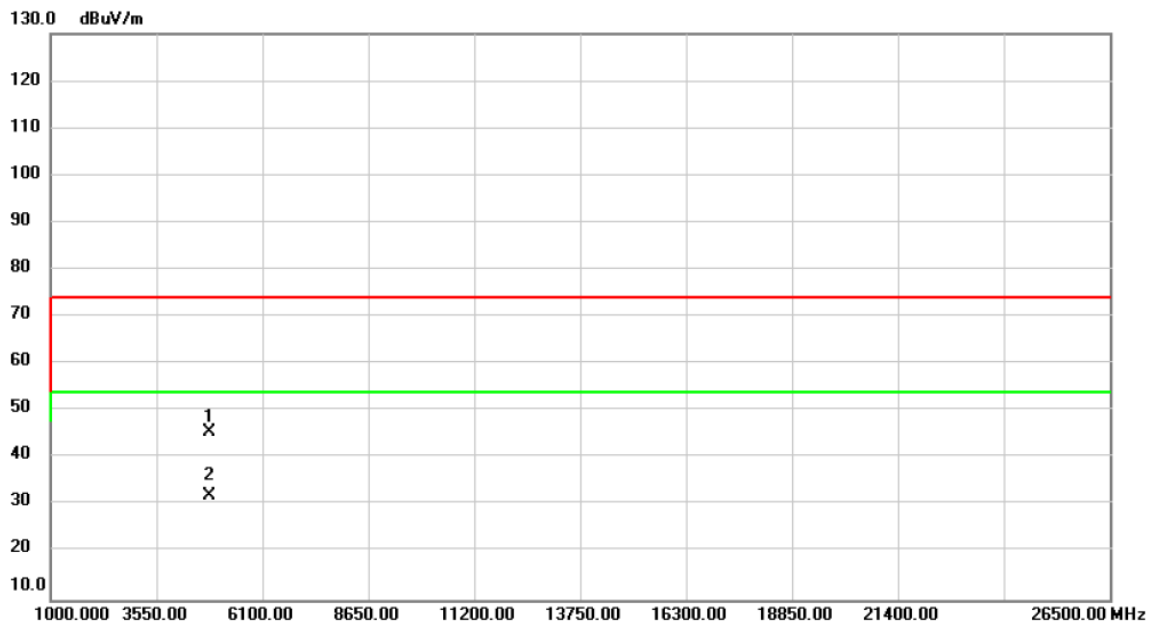


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	56.00	-9.62	46.38	74.00	-27.62	peak	
2	*	4924.000	45.19	-9.62	35.57	54.00	-18.43	AVG	

REMARKS:

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

Test Mode	IEEE 802.11g	Test Date	2020/7/24
Test Frequency	CH01: 2412 MHz	Polarization	Vertical

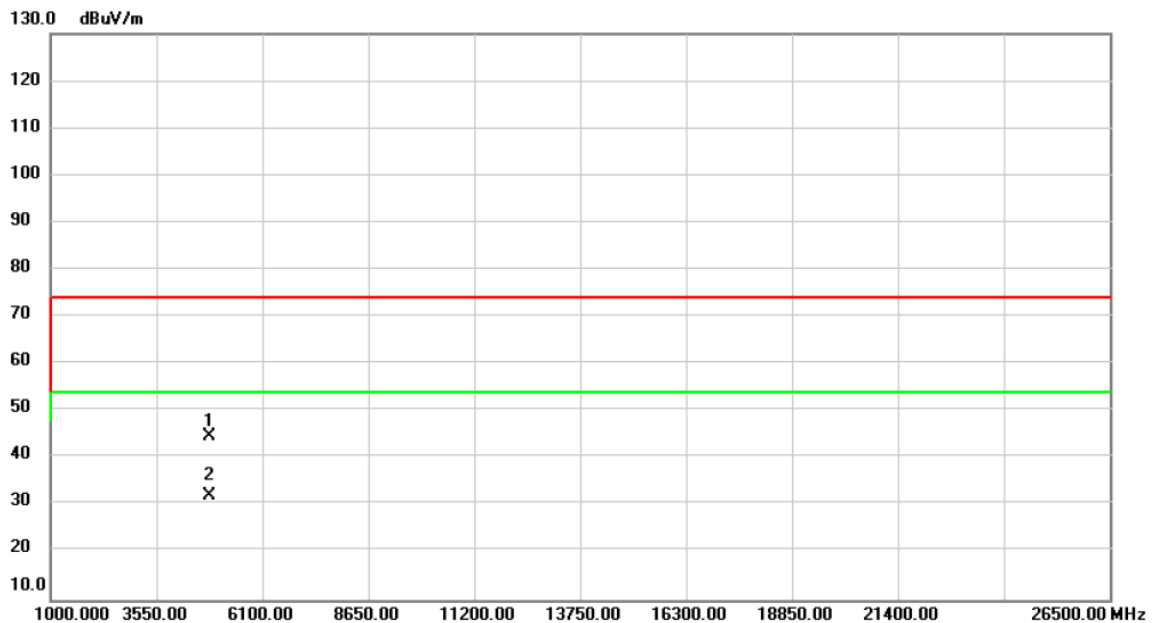


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	55.40	-9.96	45.44	74.00	-28.56	peak	
2	*	4824.000	42.11	-9.96	32.15	54.00	-21.85	AVG	

REMARKS:

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

Test Mode	IEEE 802.11g	Test Date	2020/7/24
Test Frequency	CH01: 2412 MHz	Polarization	Horizontal

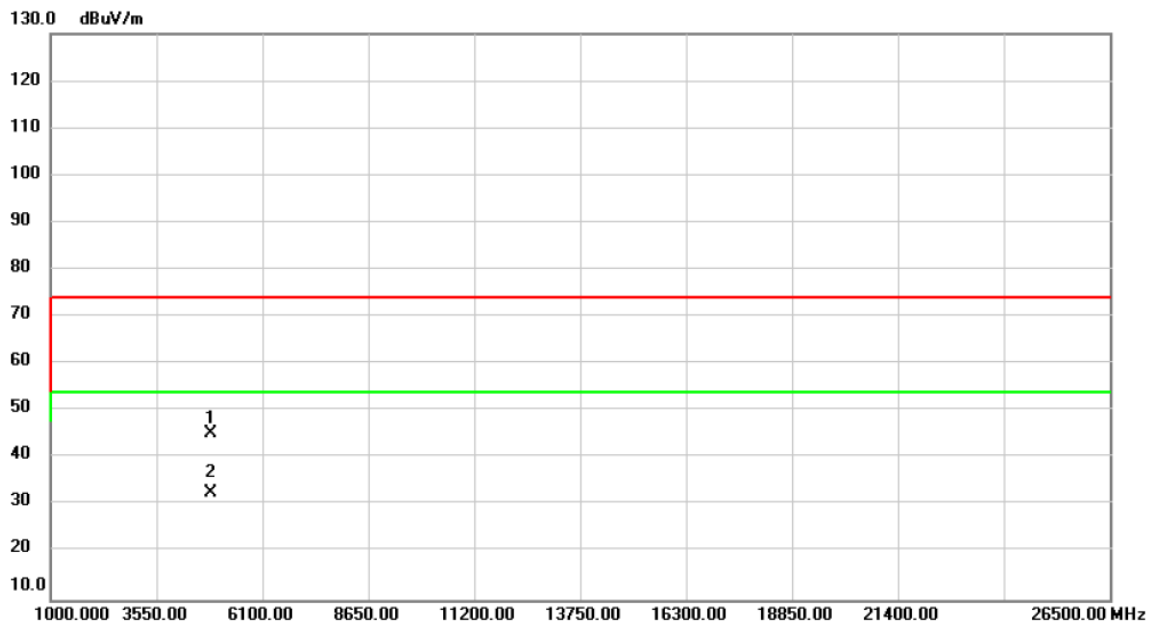


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	54.73	-9.96	44.77	74.00	-29.23	peak	
2	*	4824.000	42.13	-9.96	32.17	54.00	-21.83	AVG	

REMARKS:

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

Test Mode	IEEE 802.11g	Test Date	2020/7/24
Test Frequency	CH06: 2437 MHz	Polarization	Vertical

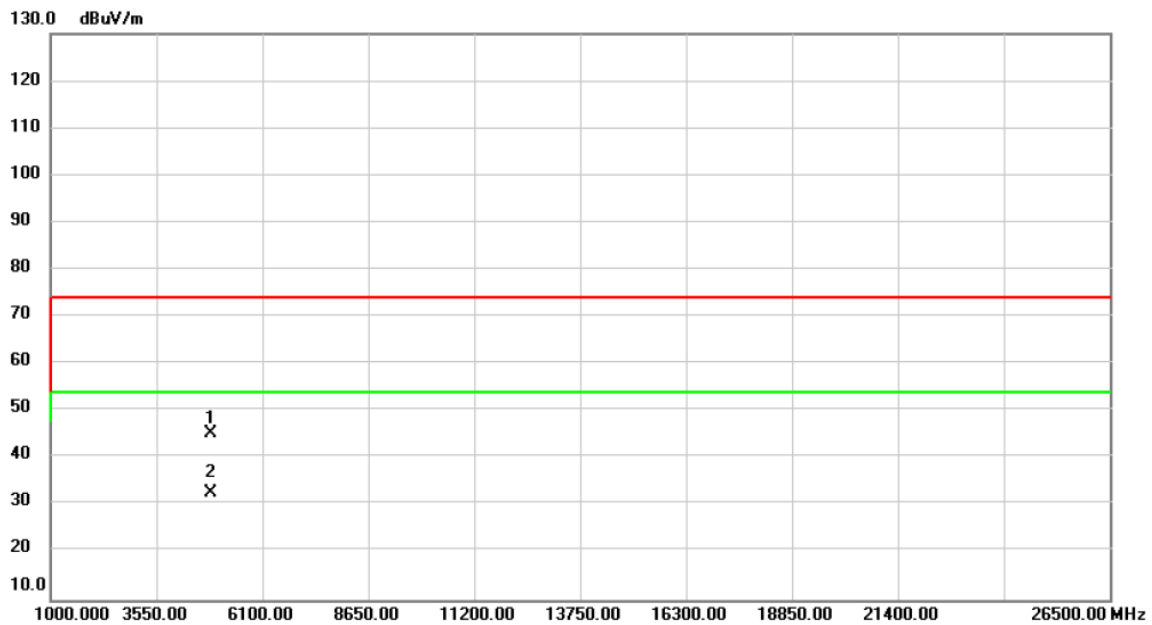


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	55.18	-9.79	45.39	74.00	-28.61	peak	
2	*	4874.000	42.41	-9.79	32.62	54.00	-21.38	AVG	

REMARKS:

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

Test Mode	IEEE 802.11g	Test Date	2020/7/24
Test Frequency	CH06: 2437 MHz	Polarization	Horizontal

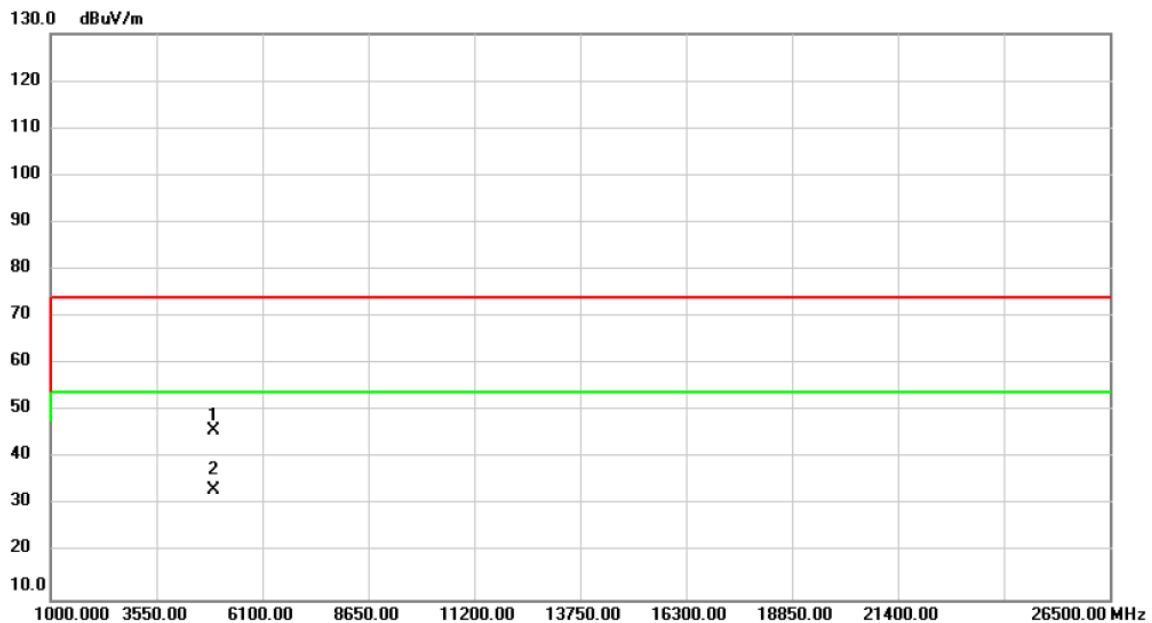


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	54.92	-9.79	45.13	74.00	-28.87	peak	
2	*	4874.000	42.48	-9.79	32.69	54.00	-21.31	AVG	

REMARKS:

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

Test Mode	IEEE 802.11g	Test Date	2020/7/24
Test Frequency	CH11: 2462 MHz	Polarization	Vertical

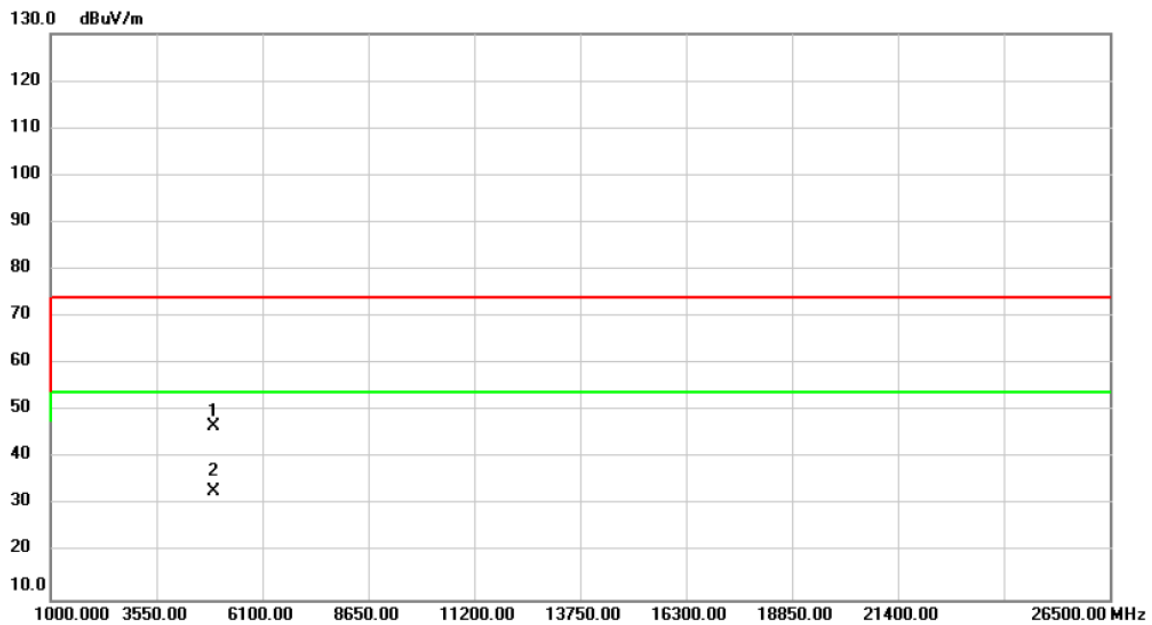


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	55.52	-9.62	45.90	74.00	-28.10	peak	
2	*	4924.000	42.77	-9.62	33.15	54.00	-20.85	AVG	

REMARKS:

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

Test Mode	IEEE 802.11g	Test Date	2020/7/24
Test Frequency	CH11: 2462 MHz	Polarization	Horizontal

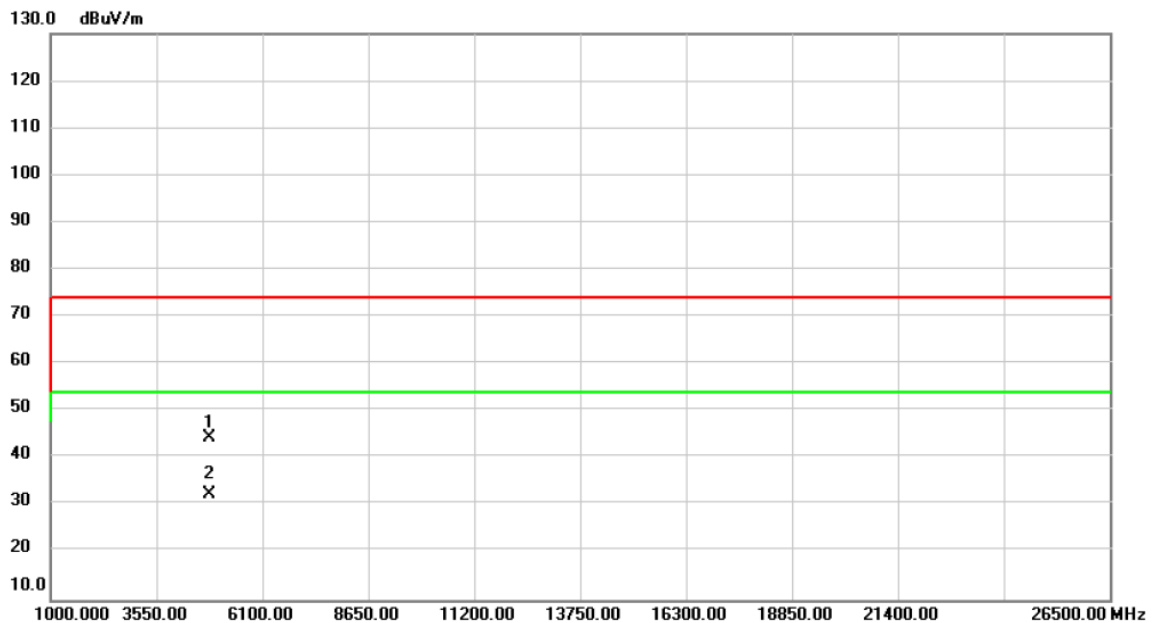


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	56.46	-9.62	46.84	74.00	-27.16	peak	
2	*	4924.000	42.63	-9.62	33.01	54.00	-20.99	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT20)	Test Date	2020/7/24
Test Frequency	CH01: 2412 MHz	Polarization	Vertical

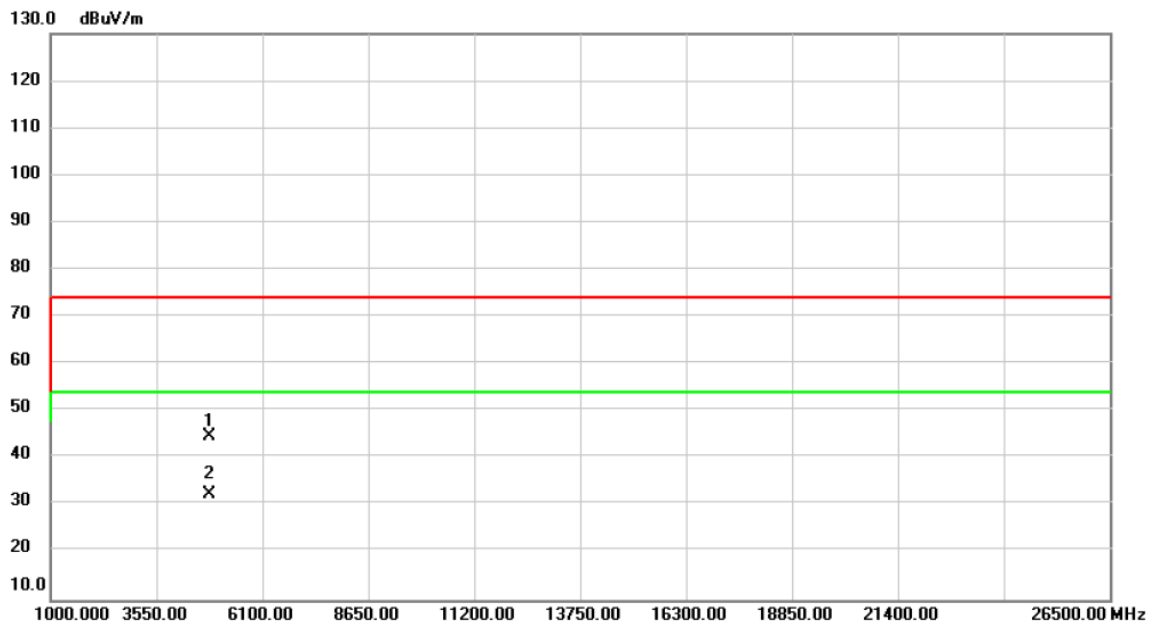


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	54.46	-9.96	44.50	74.00	-29.50	peak	
2	*	4824.000	42.20	-9.96	32.24	54.00	-21.76	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT20)	Test Date	2020/7/24
Test Frequency	CH01: 2412 MHz	Polarization	Horizontal

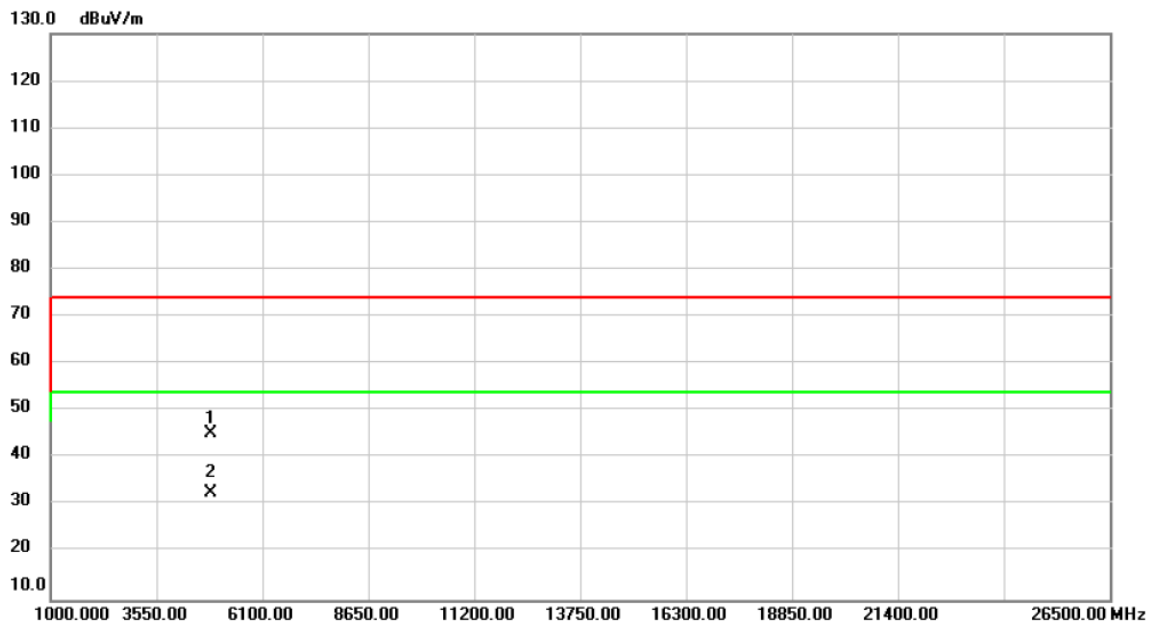


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	54.62	-9.96	44.66	74.00	-29.34	peak	
2	*	4824.000	42.16	-9.96	32.20	54.00	-21.80	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT20)	Test Date	2020/7/24
Test Frequency	CH06: 2437 MHz	Polarization	Vertical

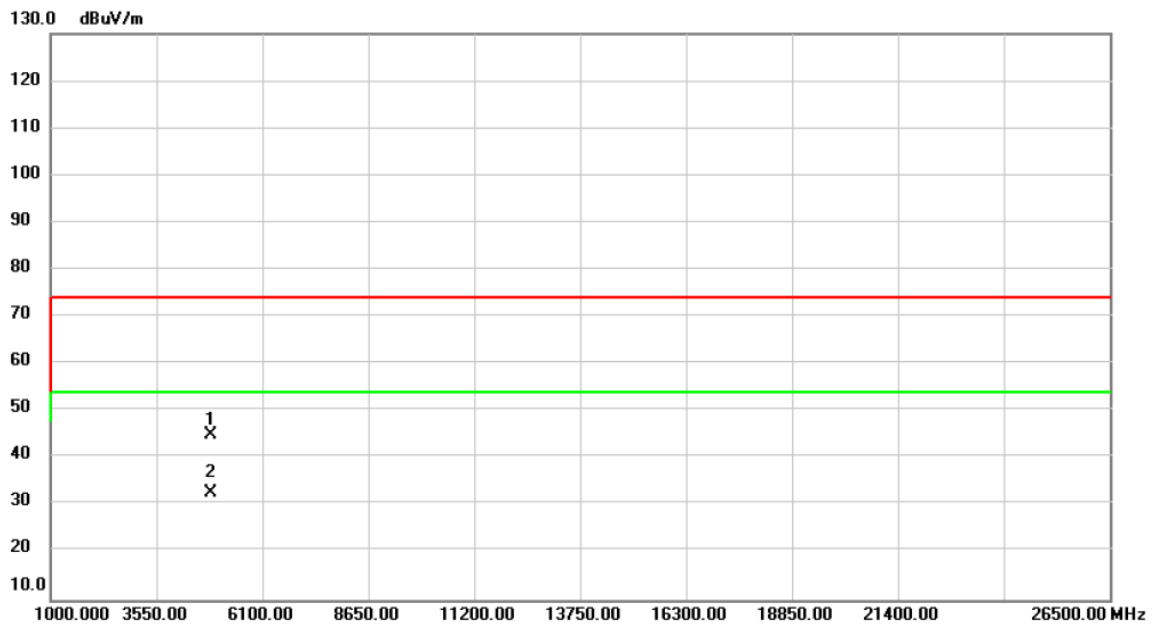


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	55.09	-9.79	45.30	74.00	-28.70	peak	
2	*	4874.000	42.56	-9.79	32.77	54.00	-21.23	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT20)	Test Date	2020/7/24
Test Frequency	CH06: 2437 MHz	Polarization	Horizontal

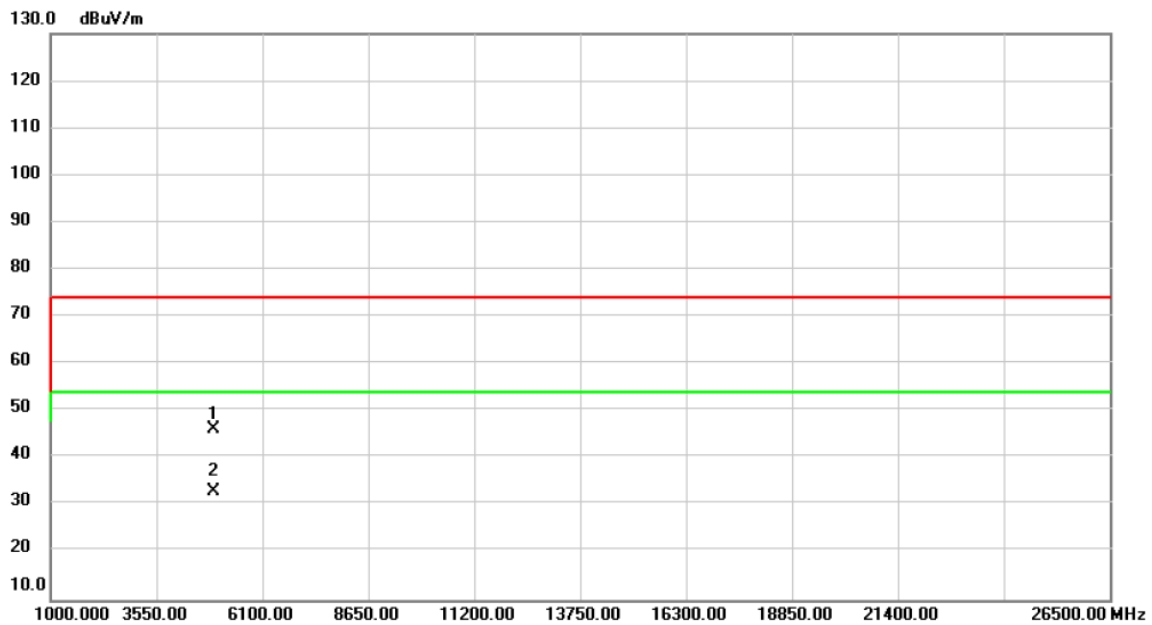


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	54.83	-9.79	45.04	74.00	-28.96	peak	
2	*	4874.000	42.38	-9.79	32.59	54.00	-21.41	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT20)	Test Date	2020/7/24
Test Frequency	CH11: 2462 MHz	Polarization	Vertical

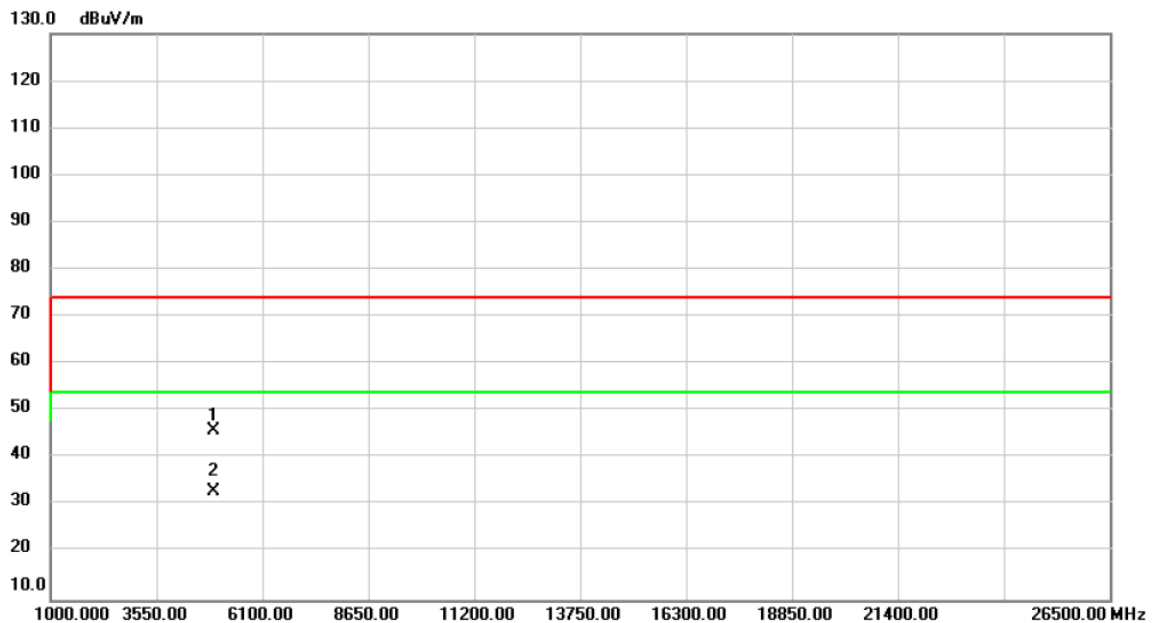


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	55.92	-9.62	46.30	74.00	-27.70	peak	
2	*	4924.000	42.64	-9.62	33.02	54.00	-20.98	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT20)	Test Date	2020/7/24
Test Frequency	CH11: 2462 MHz	Polarization	Horizontal

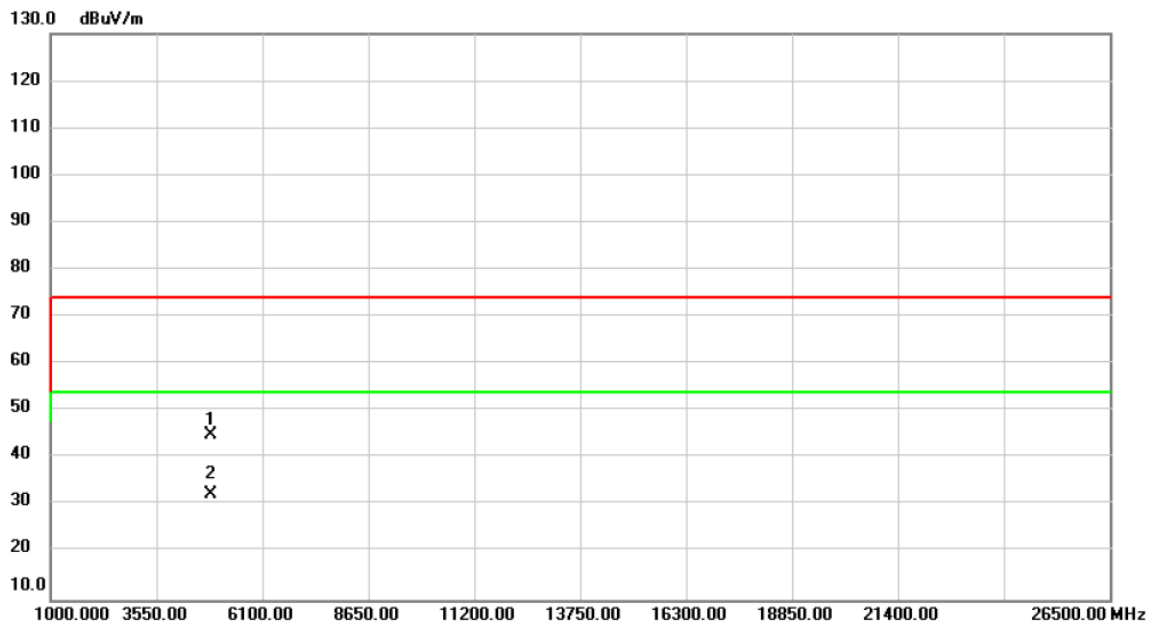


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	55.48	-9.62	45.86	74.00	-28.14	peak	
2	*	4924.000	42.63	-9.62	33.01	54.00	-20.99	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT40)	Test Date	2020/7/24
Test Frequency	CH03: 2422 MHz	Polarization	Vertical

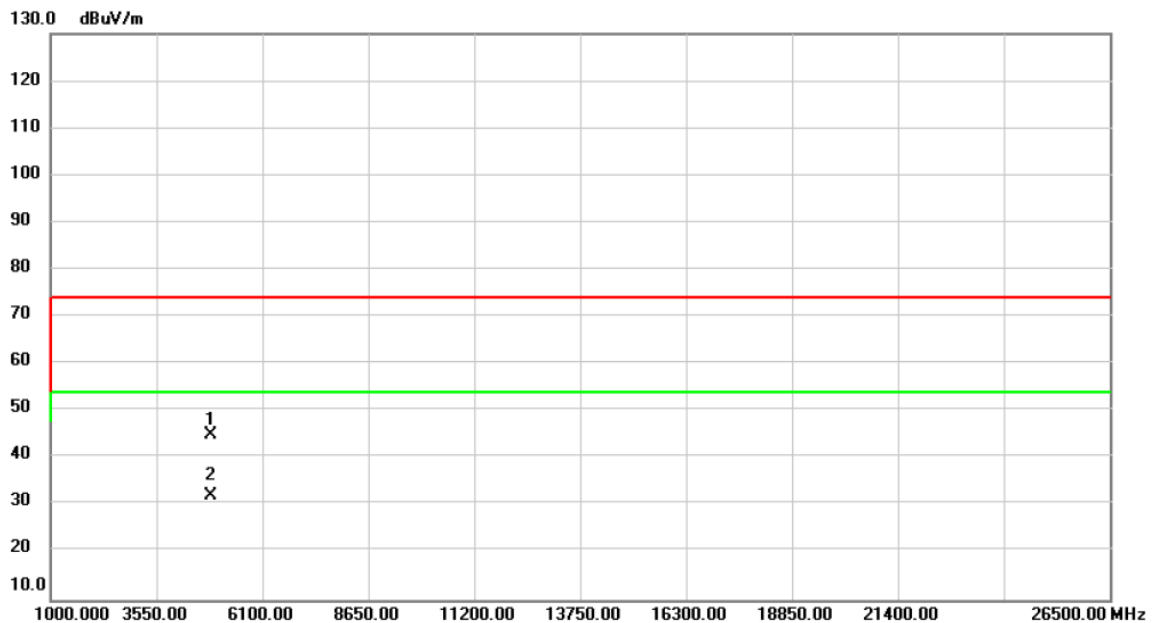


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4844.000	54.81	-9.89	44.92	74.00	-29.08	peak	
2	*	4844.000	42.29	-9.89	32.40	54.00	-21.60	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT40)	Test Date	2020/7/24
Test Frequency	CH03: 2422 MHz	Polarization	Horizontal

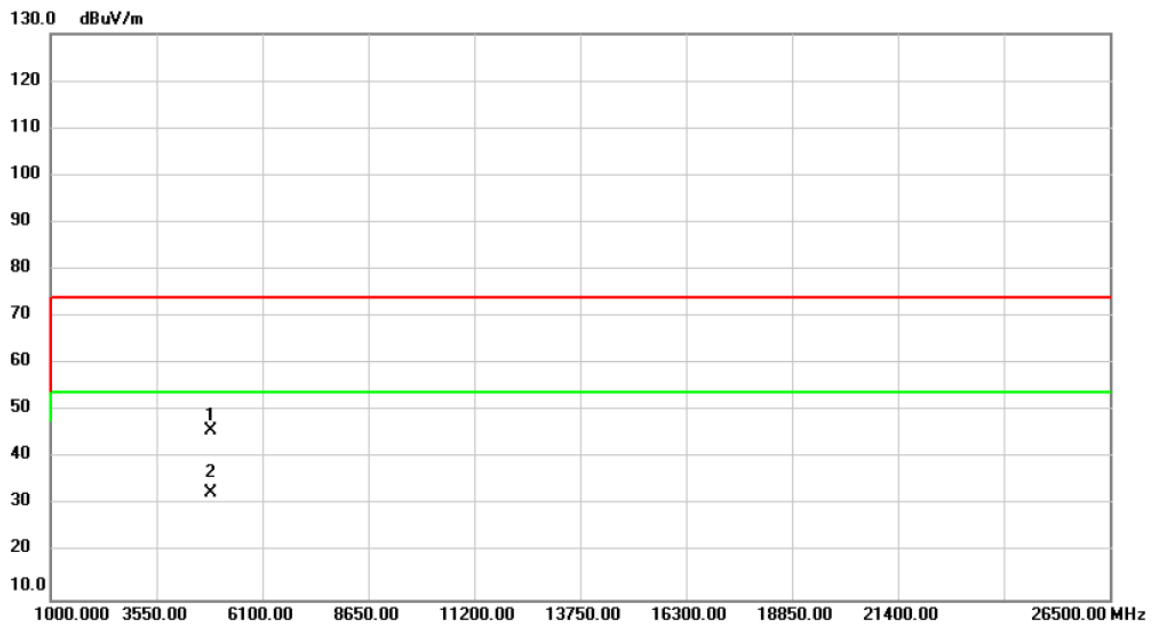


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4844.000	54.98	-9.89	45.09	74.00	-28.91	peak	
2	*	4844.000	42.05	-9.89	32.16	54.00	-21.84	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT40)	Test Date	2020/7/24
Test Frequency	CH06: 2437 MHz	Polarization	Vertical

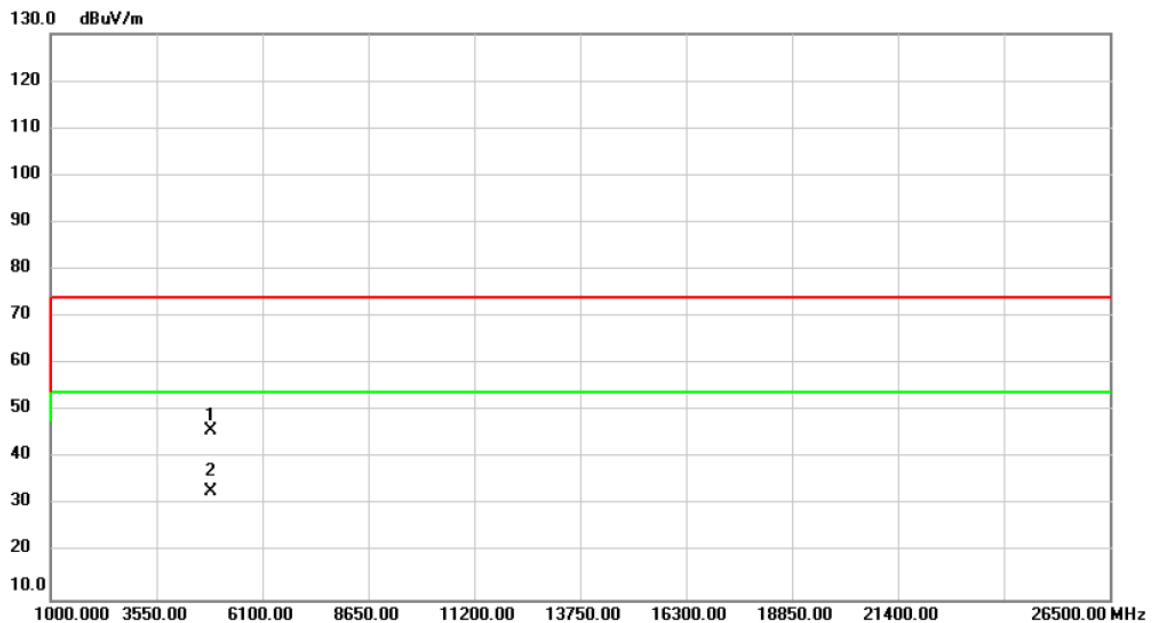


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	55.74	-9.79	45.95	74.00	-28.05	peak	
2	*	4874.000	42.59	-9.79	32.80	54.00	-21.20	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT40)	Test Date	2020/7/24
Test Frequency	CH06: 2437 MHz	Polarization	Horizontal

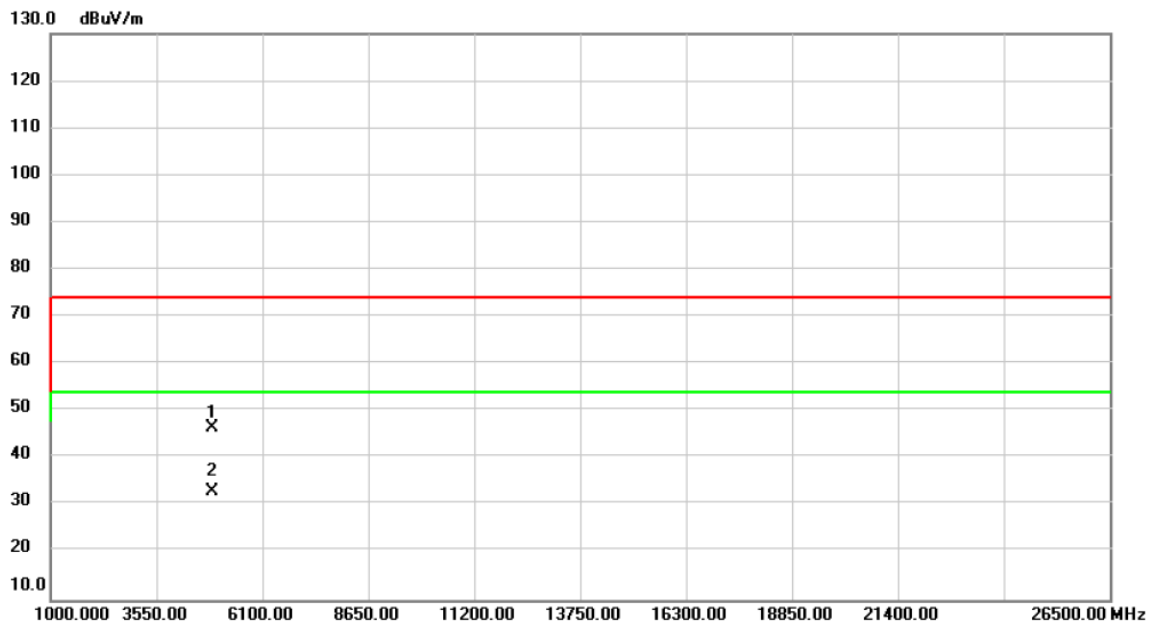


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	55.57	-9.79	45.78	74.00	-28.22	peak	
2	*	4874.000	42.62	-9.79	32.83	54.00	-21.17	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT40)	Test Date	2020/7/24
Test Frequency	CH09: 2452 MHz	Polarization	Vertical

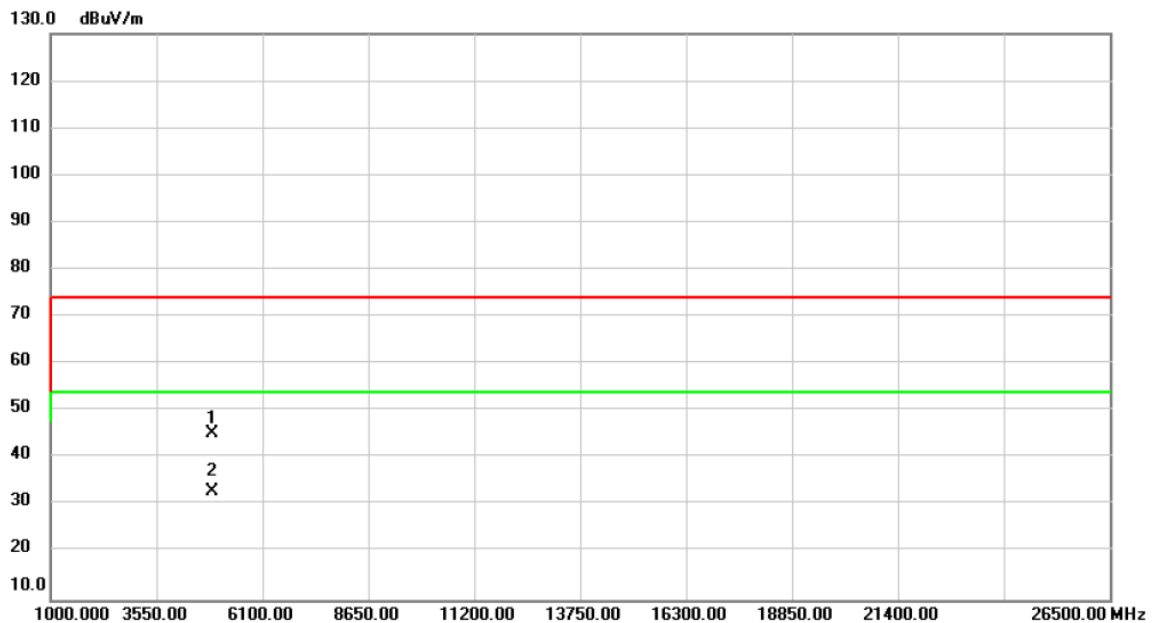


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4904.000	56.01	-9.69	46.32	74.00	-27.68	peak	
2	*	4904.000	42.50	-9.69	32.81	54.00	-21.19	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT40)	Test Date	2020/7/24
Test Frequency	CH09: 2452 MHz	Polarization	Horizontal

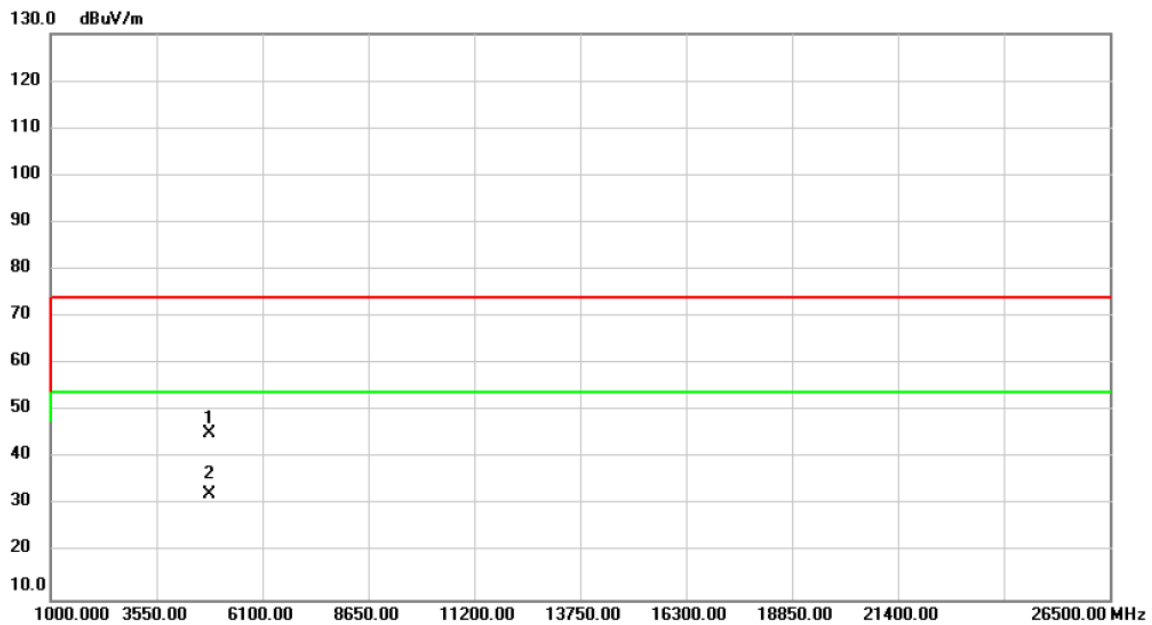


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4904.000	54.93	-9.69	45.24	74.00	-28.76	peak	
2	*	4904.000	42.59	-9.69	32.90	54.00	-21.10	AVG	

REMARKS:

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

Test Mode	IEEE 802.11ax (HE20)	Test Date	2020/7/24
Test Frequency	CH01: 2412 MHz	Polarization	Vertical

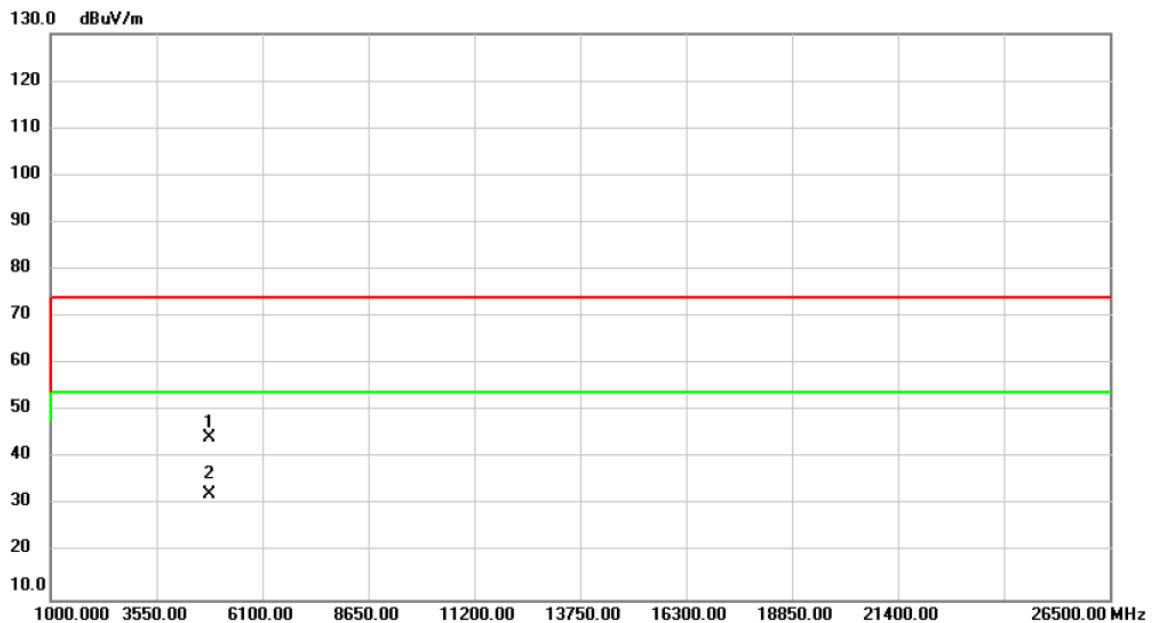


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	55.34	-9.96	45.38	74.00	-28.62	peak	
2	*	4824.000	42.21	-9.96	32.25	54.00	-21.75	AVG	

REMARKS:

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

Test Mode	IEEE 802.11ax (HE20)	Test Date	2020/7/24
Test Frequency	CH01: 2412 MHz	Polarization	Horizontal

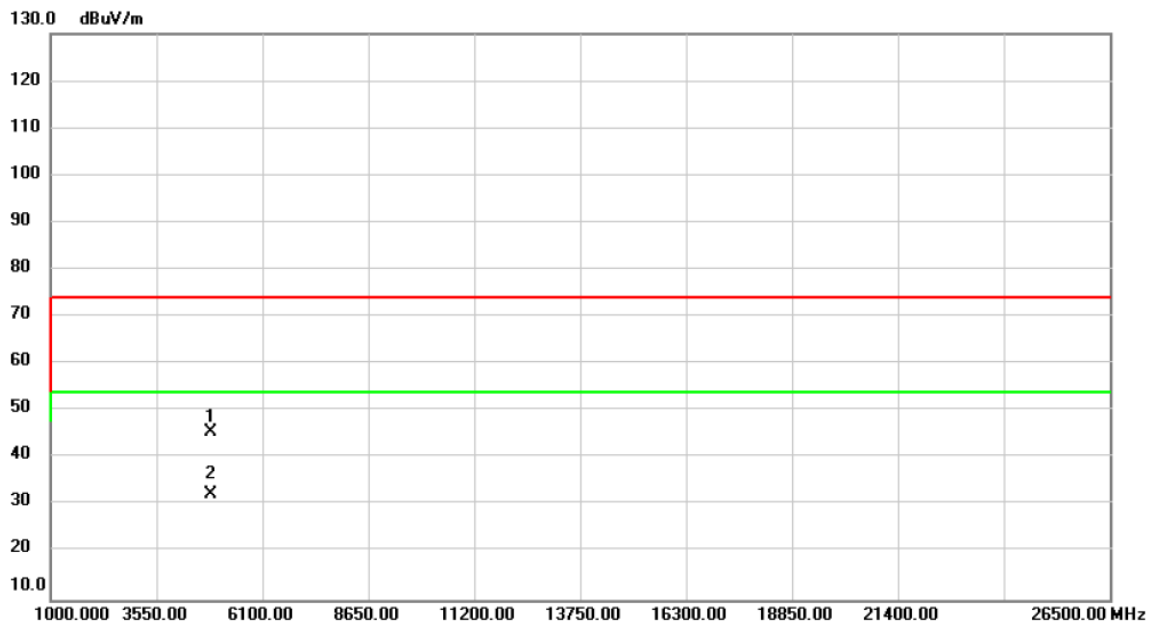


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	54.39	-9.96	44.43	74.00	-29.57	peak	
2	*	4824.000	42.24	-9.96	32.28	54.00	-21.72	AVG	

REMARKS:

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

Test Mode	IEEE 802.11ax (HE20)	Test Date	2020/7/24
Test Frequency	CH06: 2437 MHz	Polarization	Vertical

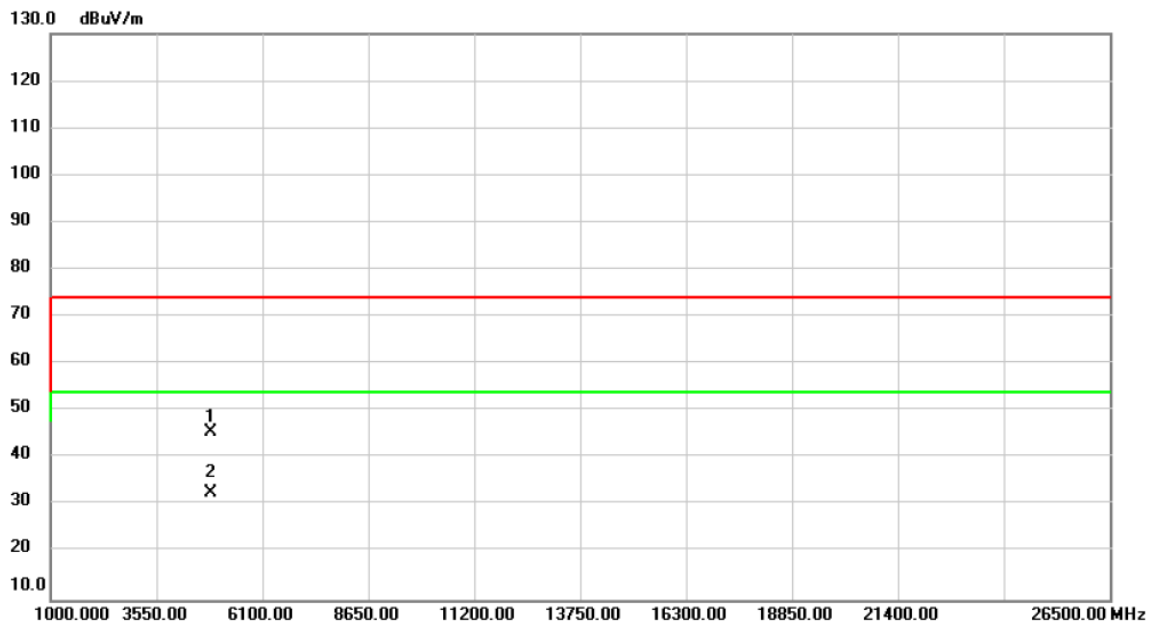


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	55.20	-9.79	45.41	74.00	-28.59	peak	
2	*	4874.000	42.29	-9.79	32.50	54.00	-21.50	AVG	

REMARKS:

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

Test Mode	IEEE 802.11ax (HE20)	Test Date	2020/7/24
Test Frequency	CH06: 2437 MHz	Polarization	Horizontal

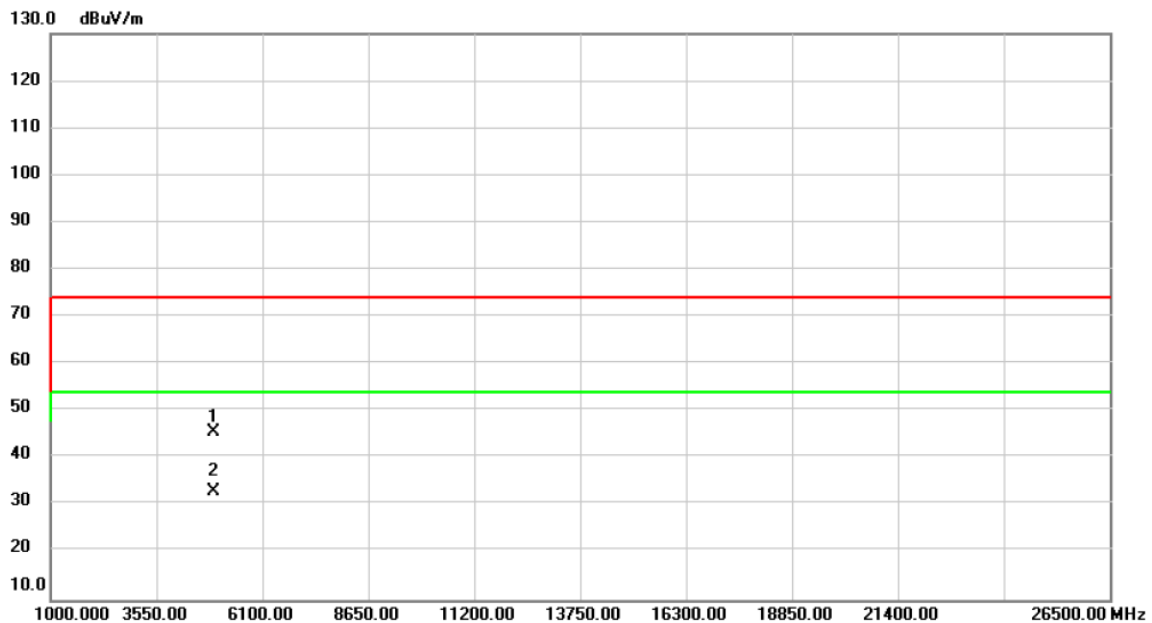


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	55.22	-9.79	45.43	74.00	-28.57	peak	
2	*	4874.000	42.57	-9.79	32.78	54.00	-21.22	AVG	

REMARKS:

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

Test Mode	IEEE 802.11ax (HE20)	Test Date	2020/7/24
Test Frequency	CH11: 2462 MHz	Polarization	Vertical

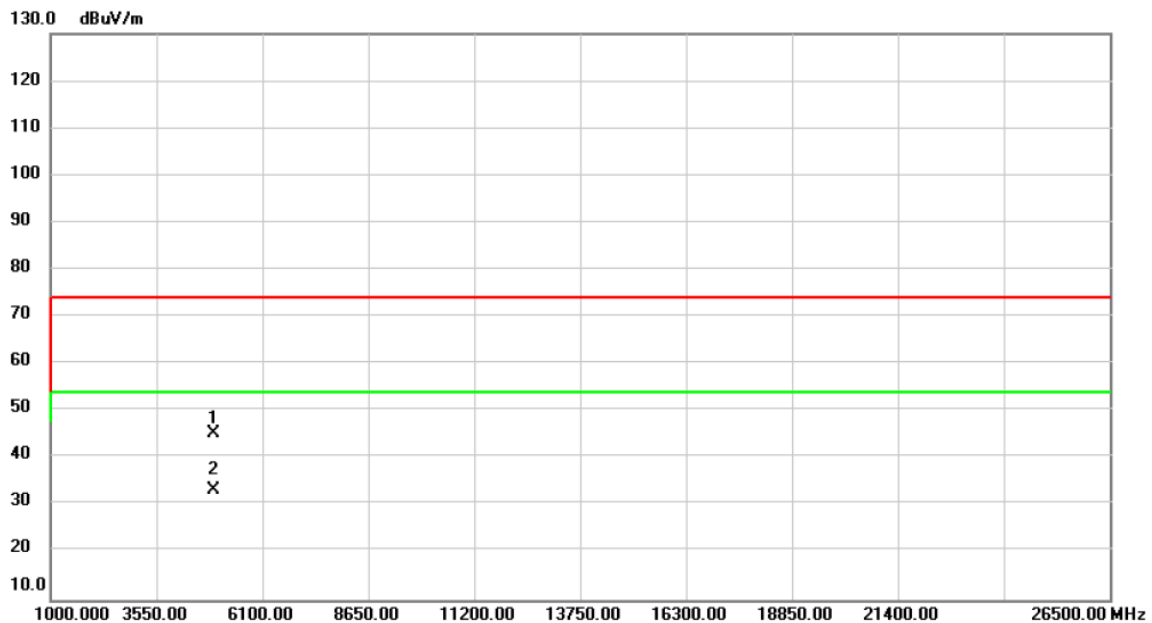


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	55.08	-9.62	45.46	74.00	-28.54	peak	
2	*	4924.000	42.71	-9.62	33.09	54.00	-20.91	AVG	

REMARKS:

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

Test Mode	IEEE 802.11ax (HE20)	Test Date	2020/7/24
Test Frequency	CH11: 2462 MHz	Polarization	Horizontal

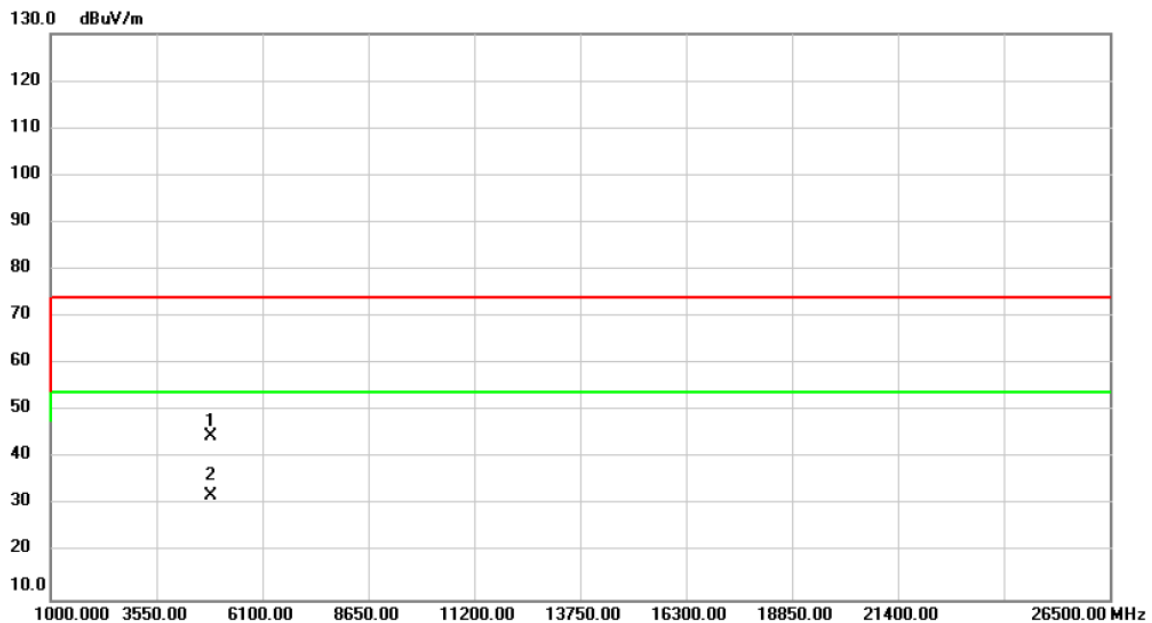


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	54.97	-9.62	45.35	74.00	-28.65	peak	
2	*	4924.000	42.72	-9.62	33.10	54.00	-20.90	AVG	

REMARKS:

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

Test Mode	IEEE 802.11ax (HE40)	Test Date	2020/7/24
Test Frequency	CH03: 2422 MHz	Polarization	Vertical

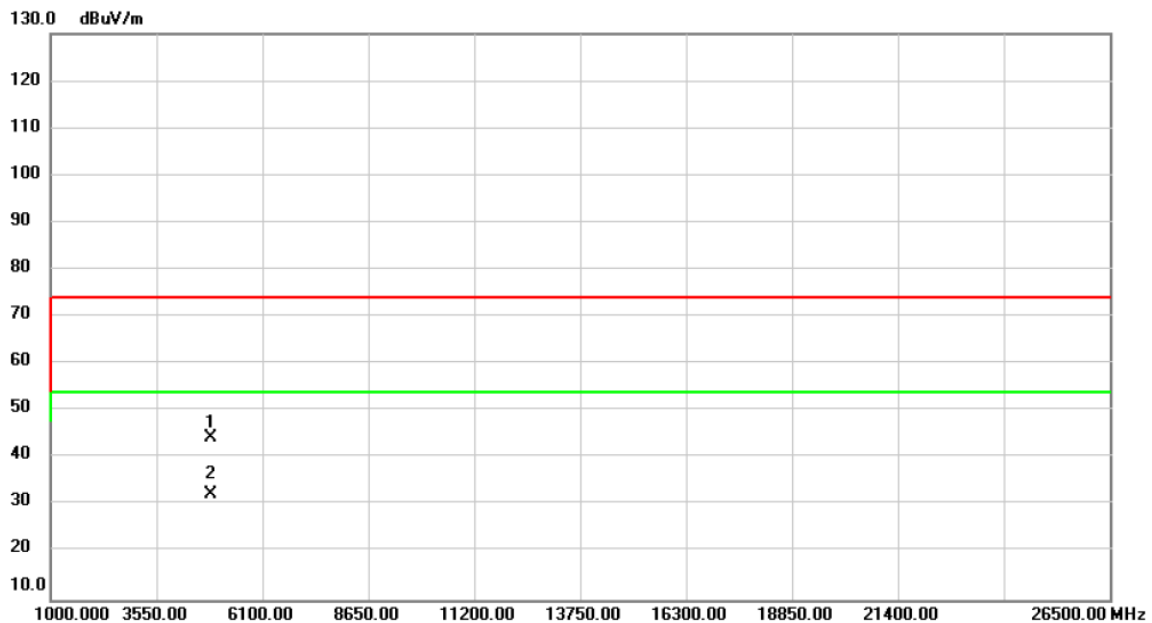


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4844.000	54.67	-9.89	44.78	74.00	-29.22	peak	
2	*	4844.000	42.07	-9.89	32.18	54.00	-21.82	AVG	

REMARKS:

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

Test Mode	IEEE 802.11ax (HE40)	Test Date	2020/7/24
Test Frequency	CH03: 2422 MHz	Polarization	Horizontal

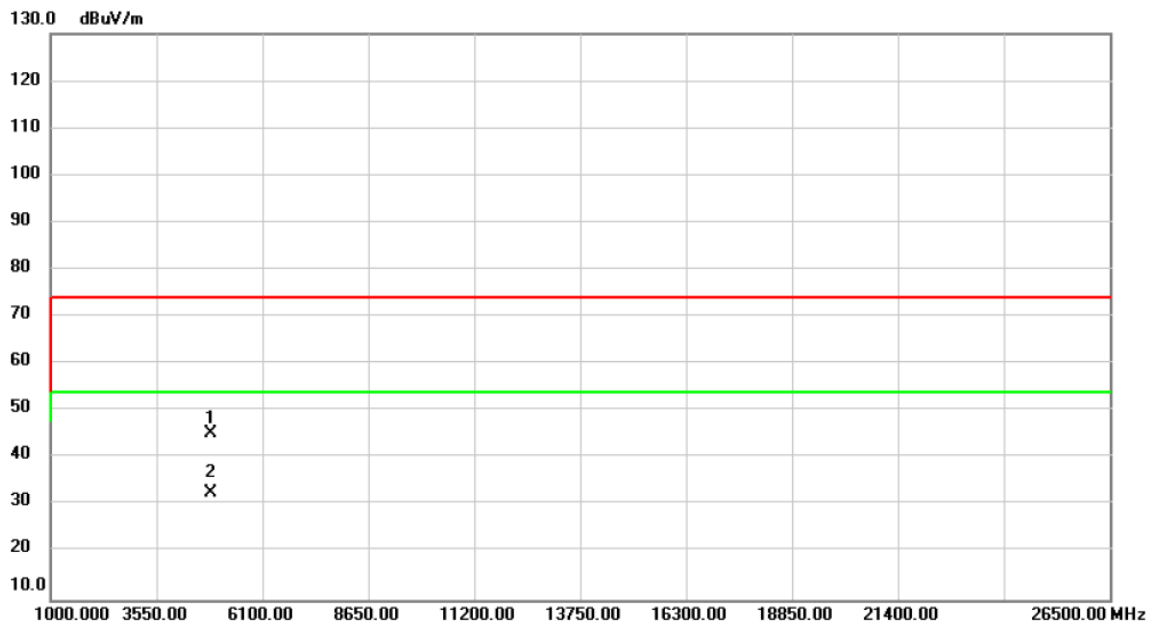


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4844.000	54.09	-9.89	44.20	74.00	-29.80	peak	
2	*	4844.000	42.26	-9.89	32.37	54.00	-21.63	AVG	

REMARKS:

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

Test Mode	IEEE 802.11ax (HE40)	Test Date	2020/7/24
Test Frequency	CH06: 2437 MHz	Polarization	Vertical

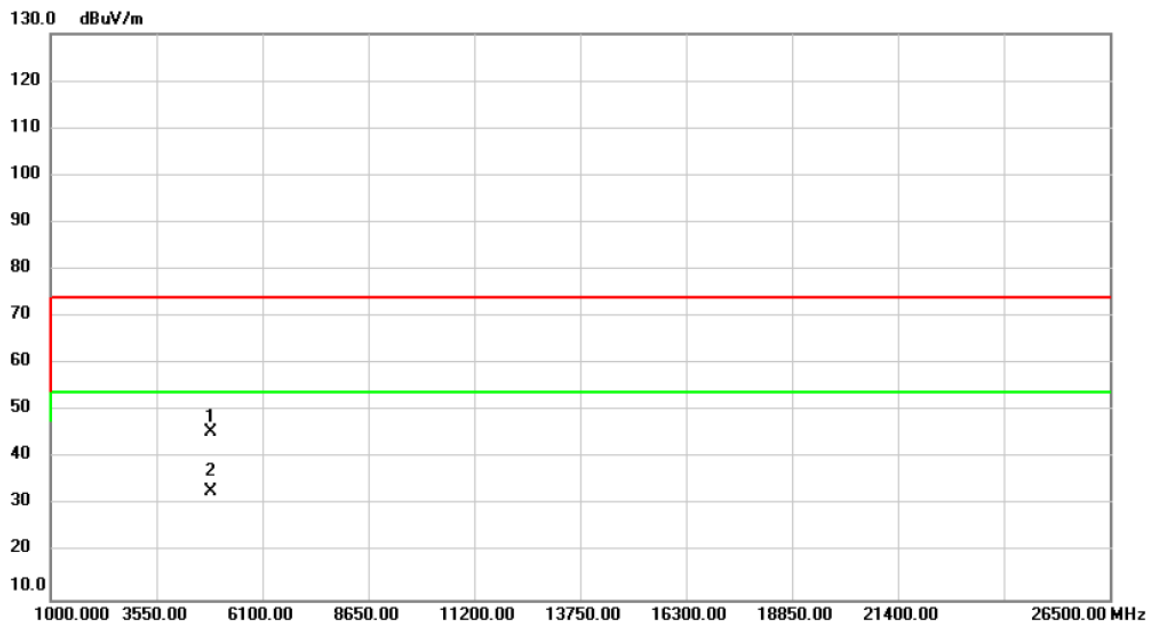


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	55.00	-9.79	45.21	74.00	-28.79	peak	
2	*	4874.000	42.58	-9.79	32.79	54.00	-21.21	AVG	

REMARKS:

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

Test Mode	IEEE 802.11ax (HE40)	Test Date	2020/7/24
Test Frequency	CH06: 2437 MHz	Polarization	Horizontal

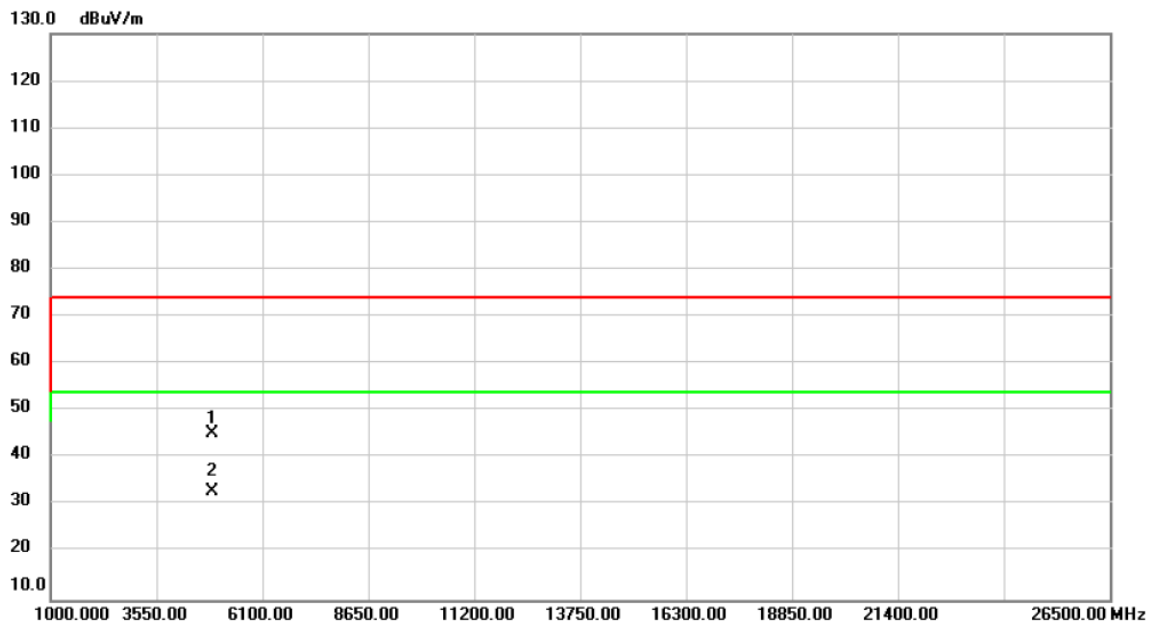


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	55.31	-9.79	45.52	74.00	-28.48	peak	
2	*	4874.000	42.78	-9.79	32.99	54.00	-21.01	AVG	

REMARKS:

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

Test Mode	IEEE 802.11ax (HE40)	Test Date	2020/7/24
Test Frequency	CH09: 2452 MHz	Polarization	Vertical

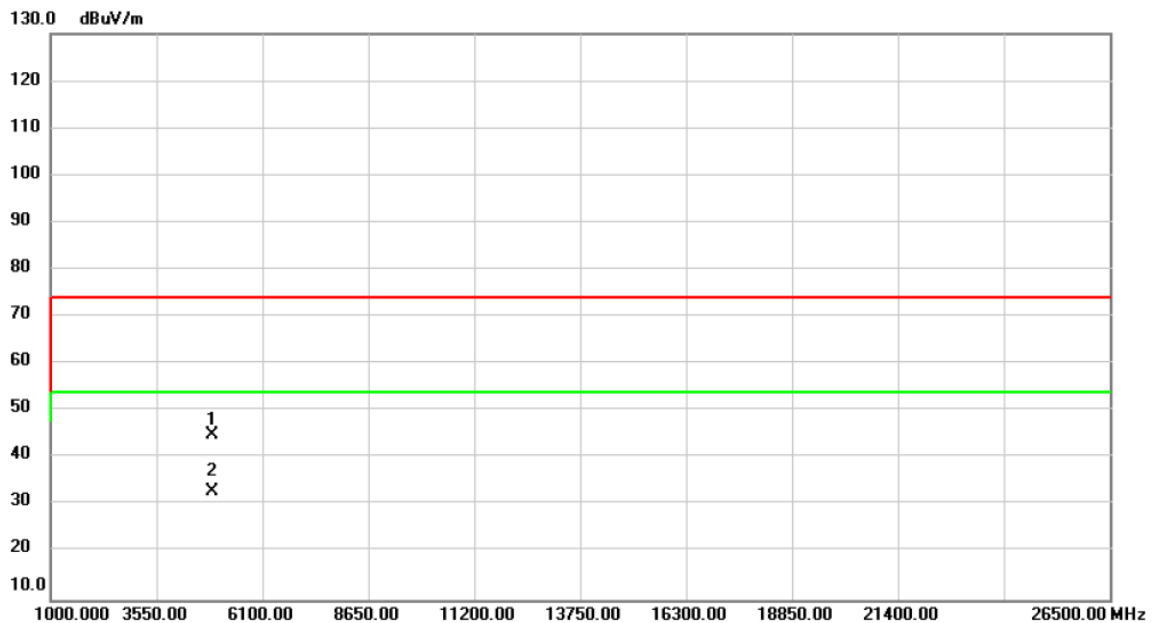


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4904.000	54.88	-9.69	45.19	74.00	-28.81	peak	
2	*	4904.000	42.65	-9.69	32.96	54.00	-21.04	AVG	

REMARKS:

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

Test Mode	IEEE 802.11ax (HE40)	Test Date	2020/7/24
Test Frequency	CH09: 2452 MHz	Polarization	Horizontal

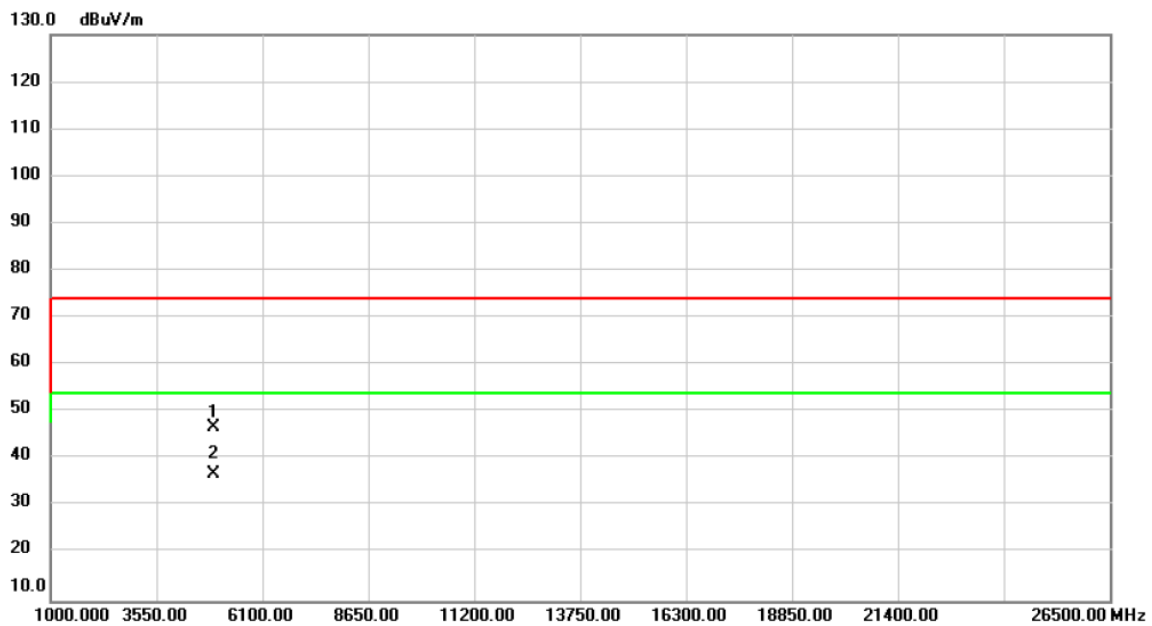


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4904.000	54.73	-9.69	45.04	74.00	-28.96	peak	
2	*	4904.000	42.64	-9.69	32.95	54.00	-21.05	AVG	

REMARKS:

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

Test Mode	IEEE 802.11b	Test Date	2020/9/10
Test Frequency	CH12: 2467 MHz	Polarization	Vertical

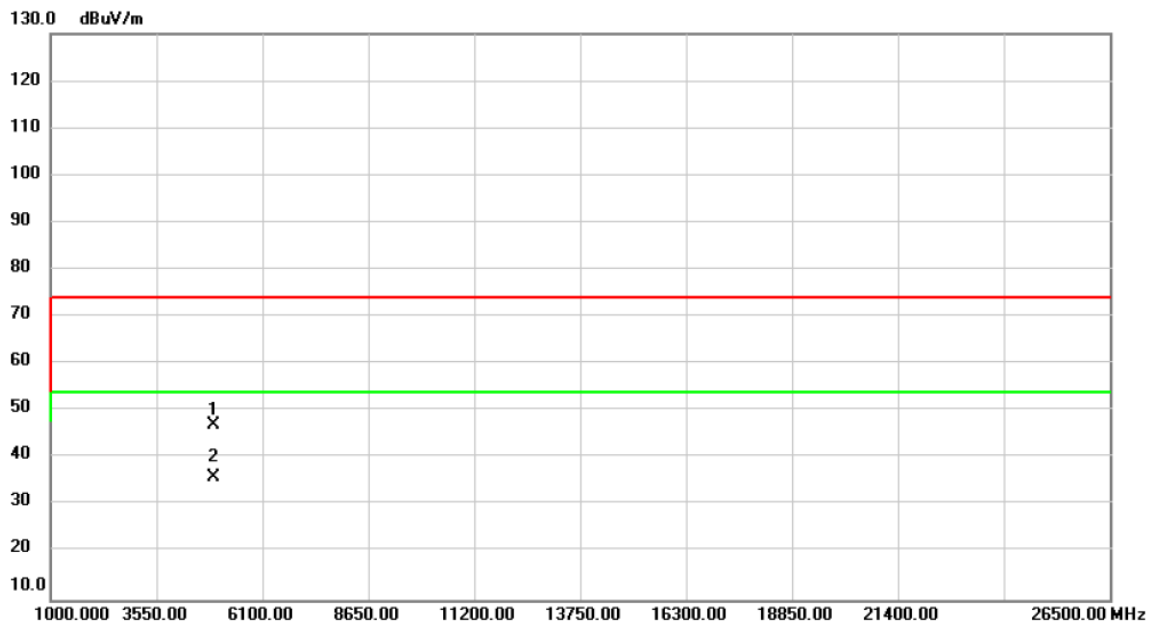


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4934.000	56.36	-9.59	46.77	74.00	-27.23	peak	
2	*	4934.000	46.34	-9.59	36.75	54.00	-17.25	AVG	

REMARKS:

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

Test Mode	IEEE 802.11b	Test Date	2020/9/10
Test Frequency	CH12: 2467 MHz	Polarization	Horizontal

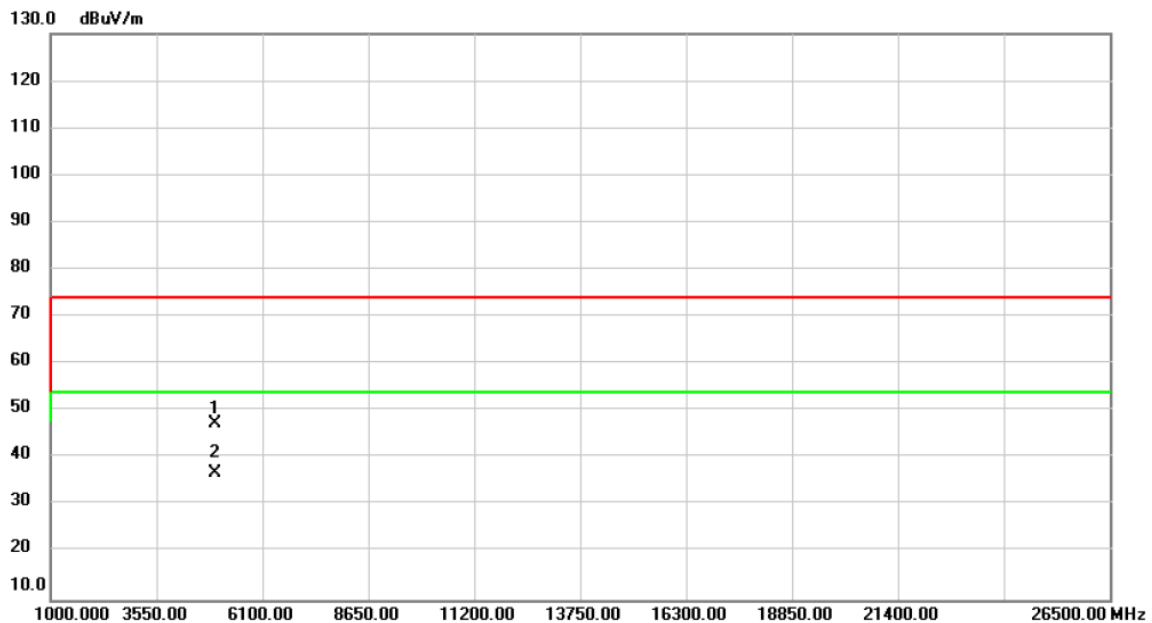


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4934.000	56.70	-9.59	47.11	74.00	-26.89	peak	
2	*	4934.000	45.59	-9.59	36.00	54.00	-18.00	AVG	

REMARKS:

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

Test Mode	IEEE 802.11b	Test Date	2020/9/10
Test Frequency	CH13: 2472 MHz	Polarization	Vertical

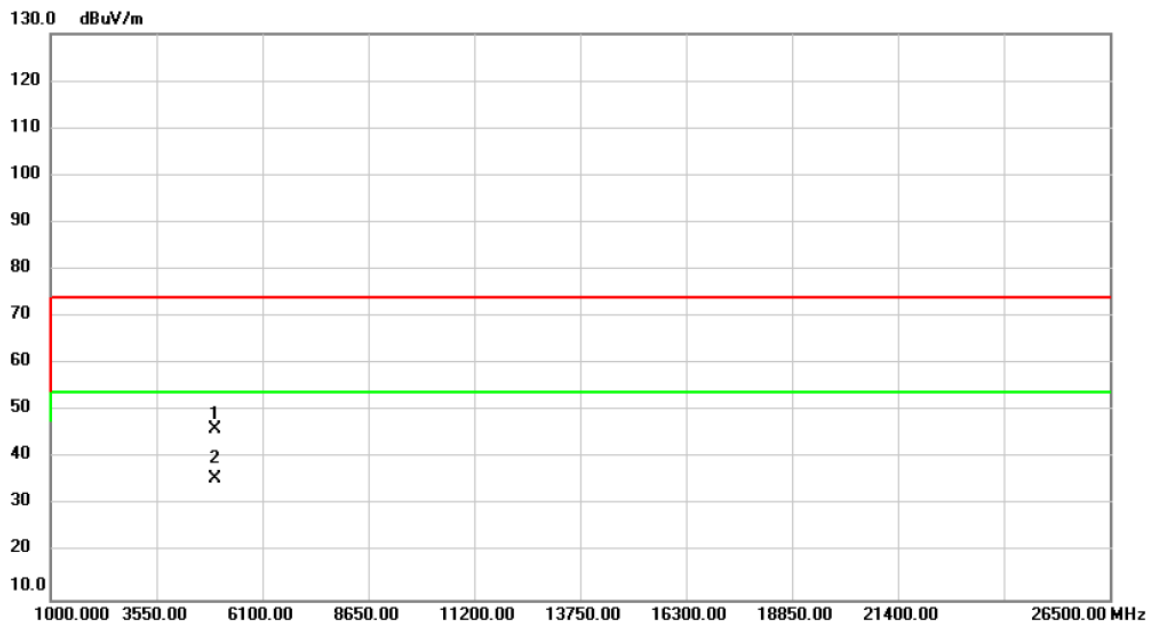


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4944.000	56.77	-9.55	47.22	74.00	-26.78	peak	
2	*	4944.000	46.47	-9.55	36.92	54.00	-17.08	AVG	

REMARKS:

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

Test Mode	IEEE 802.11b	Test Date	2020/9/10
Test Frequency	CH13: 2472 MHz	Polarization	Horizontal

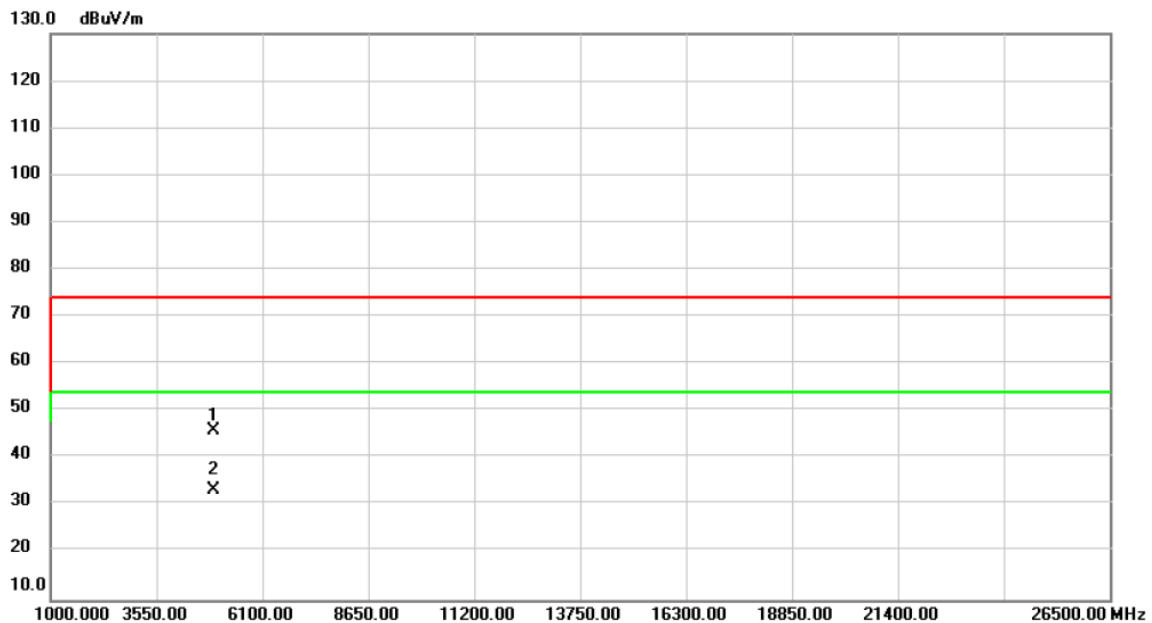


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4944.000	55.67	-9.55	46.12	74.00	-27.88	peak	
2	*	4944.000	45.15	-9.55	35.60	54.00	-18.40	AVG	

REMARKS:

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

Test Mode	IEEE 802.11g	Test Date	2020/9/10
Test Frequency	CH12: 2467 MHz	Polarization	Vertical

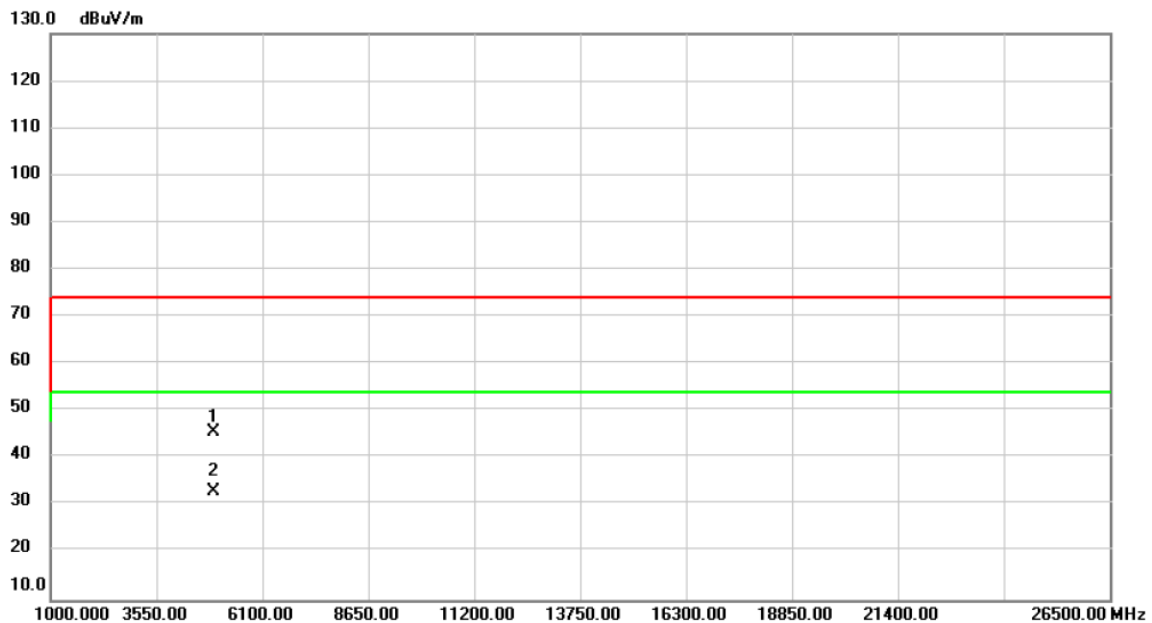


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4934.000	55.32	-9.59	45.73	74.00	-28.27	peak	
2	*	4934.000	42.91	-9.59	33.32	54.00	-20.68	AVG	

REMARKS:

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

Test Mode	IEEE 802.11g	Test Date	2020/9/10
Test Frequency	CH12: 2467 MHz	Polarization	Horizontal

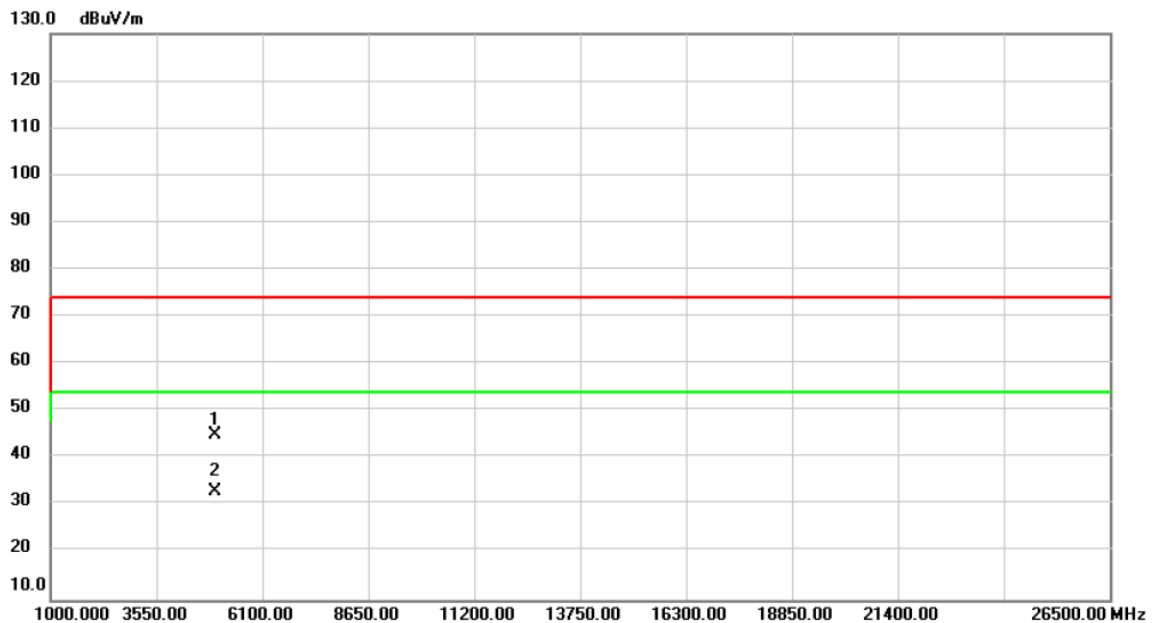


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4934.000	55.23	-9.59	45.64	74.00	-28.36	peak	
2	*	4934.000	42.66	-9.59	33.07	54.00	-20.93	AVG	

REMARKS:

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

Test Mode	IEEE 802.11g	Test Date	2020/9/10
Test Frequency	CH13: 2472 MHz	Polarization	Vertical

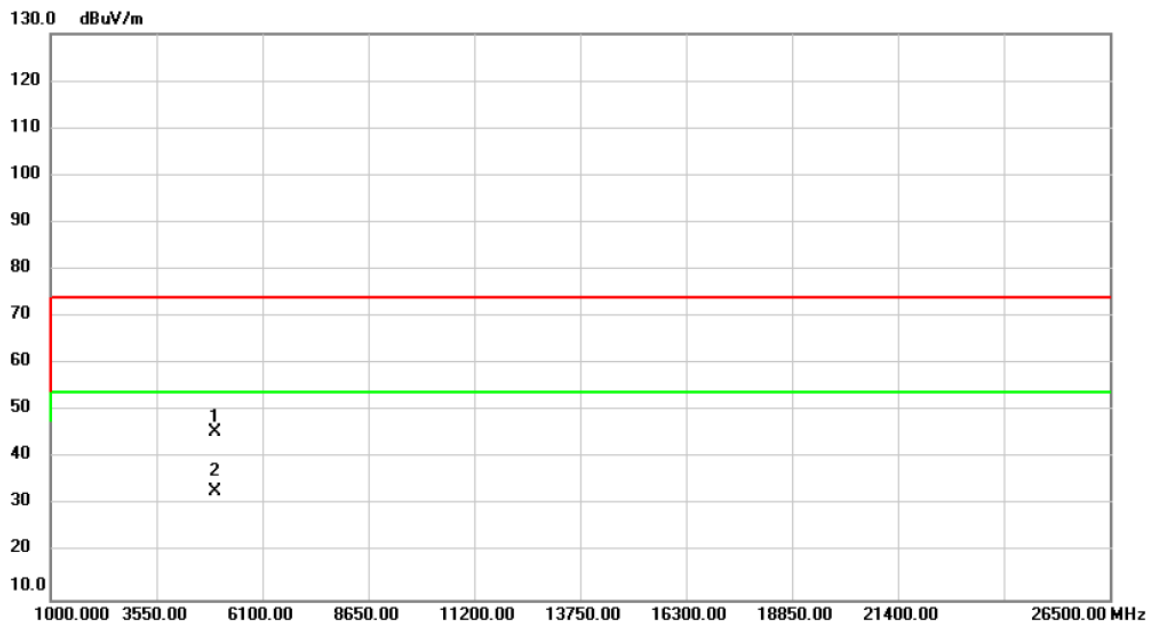


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4944.000	54.55	-9.55	45.00	74.00	-29.00	peak	
2	*	4944.000	42.61	-9.55	33.06	54.00	-20.94	AVG	

REMARKS:

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

Test Mode	IEEE 802.11g	Test Date	2020/9/10
Test Frequency	CH13: 2472 MHz	Polarization	Horizontal

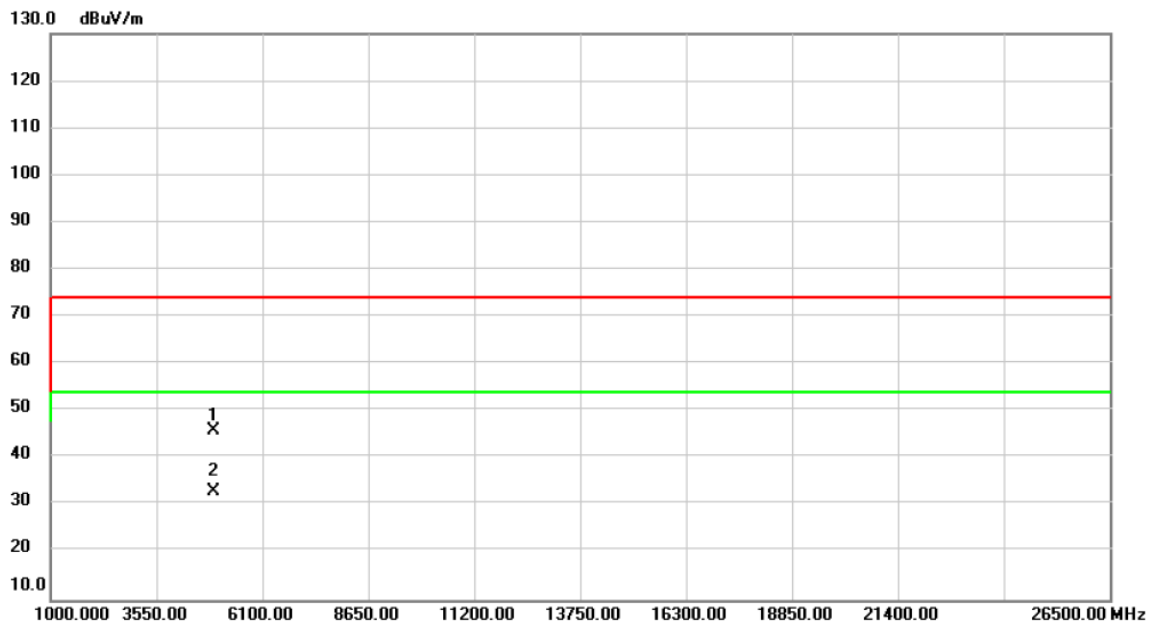


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4944.000	54.99	-9.55	45.44	74.00	-28.56	peak	
2	*	4944.000	42.47	-9.55	32.92	54.00	-21.08	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT20)	Test Date	2020/9/10
Test Frequency	CH12: 2467 MHz	Polarization	Vertical

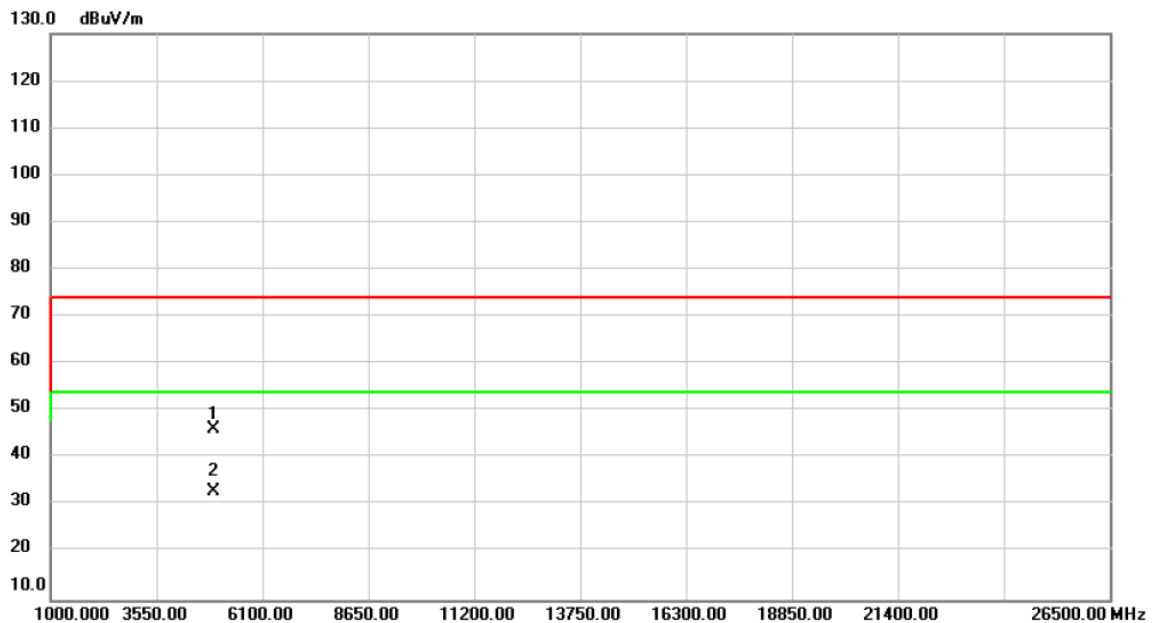


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4934.000	55.45	-9.59	45.86	74.00	-28.14	peak	
2	*	4934.000	42.49	-9.59	32.90	54.00	-21.10	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT20)	Test Date	2020/9/10
Test Frequency	CH12: 2467 MHz	Polarization	Horizontal

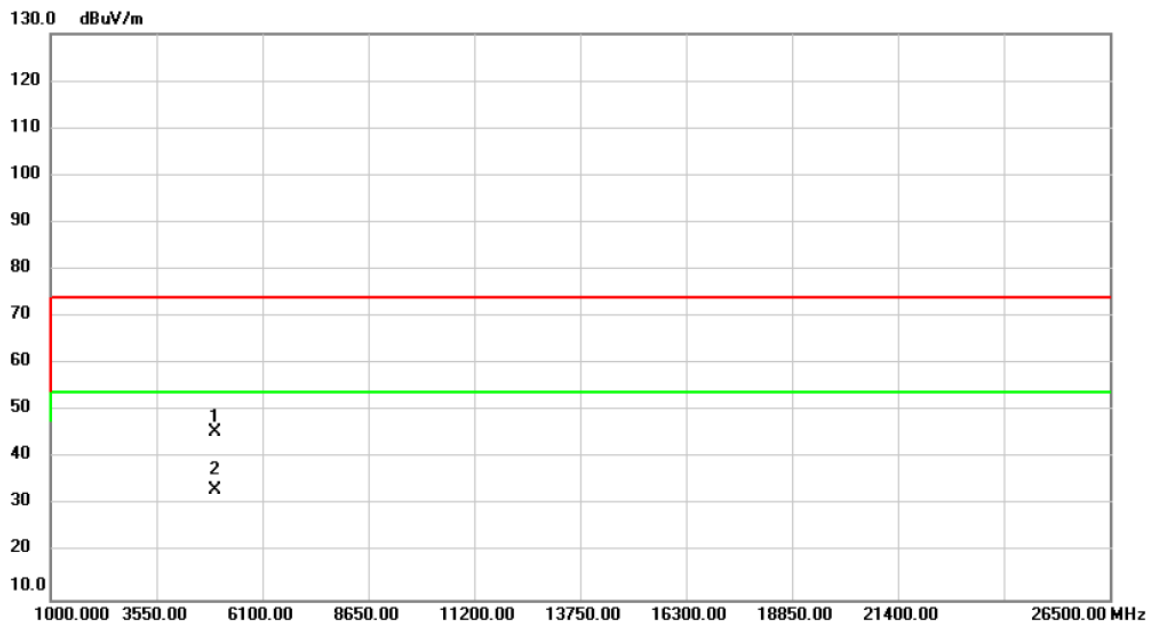


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4934.000	55.60	-9.59	46.01	74.00	-27.99	peak	
2	*	4934.000	42.56	-9.59	32.97	54.00	-21.03	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT20)	Test Date	2020/9/10
Test Frequency	CH13: 2472 MHz	Polarization	Vertical

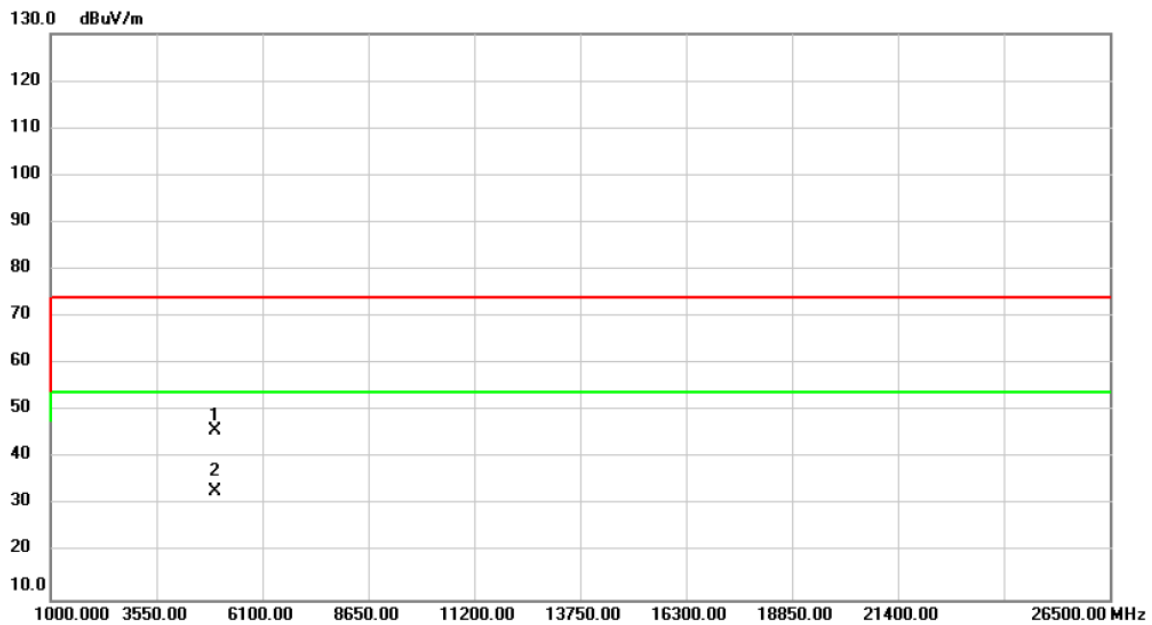


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4944.000	55.14	-9.55	45.59	74.00	-28.41	peak	
2	*	4944.000	42.77	-9.55	33.22	54.00	-20.78	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT20)	Test Date	2020/9/10
Test Frequency	CH13: 2472 MHz	Polarization	Horizontal

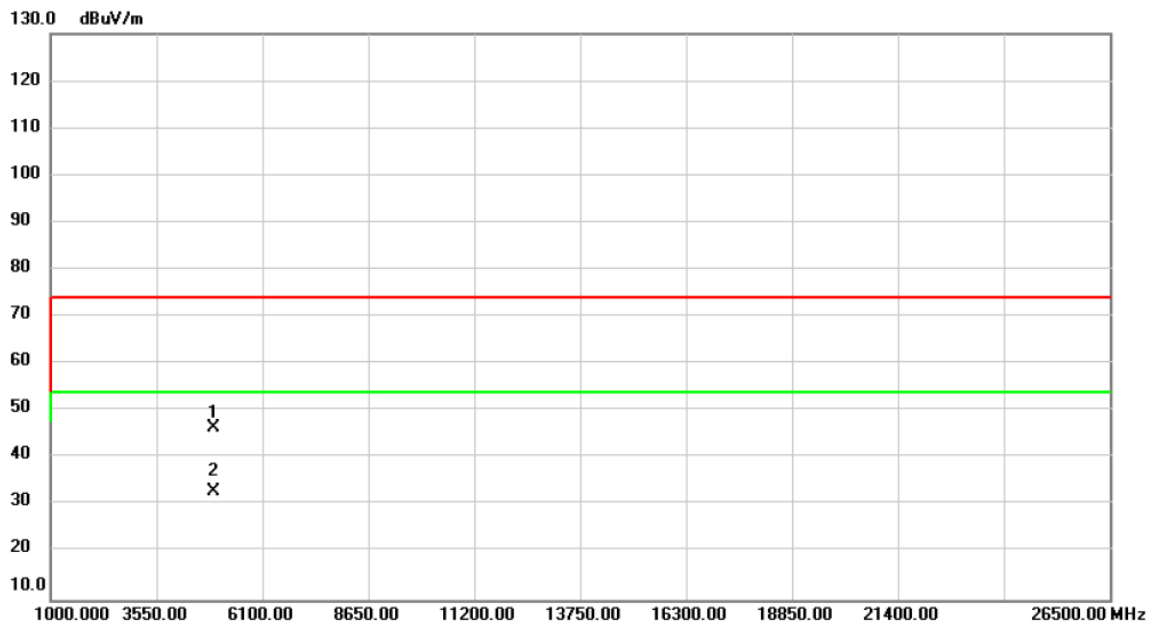


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4944.000	55.36	-9.55	45.81	74.00	-28.19	peak	
2	*	4944.000	42.63	-9.55	33.08	54.00	-20.92	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT40)	Test Date	2020/9/10
Test Frequency	CH10: 2457 MHz	Polarization	Vertical

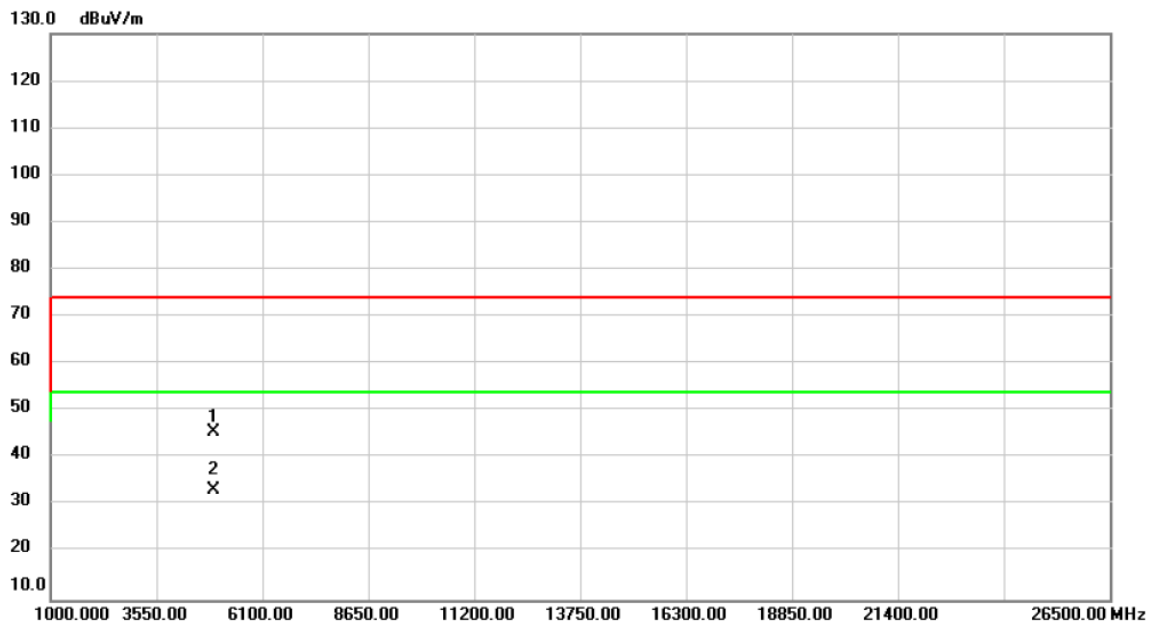


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4914.000	56.19	-9.65	46.54	74.00	-27.46	peak	
2	*	4914.000	42.69	-9.65	33.04	54.00	-20.96	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT40)	Test Date	2020/9/10
Test Frequency	CH10: 2457 MHz	Polarization	Horizontal

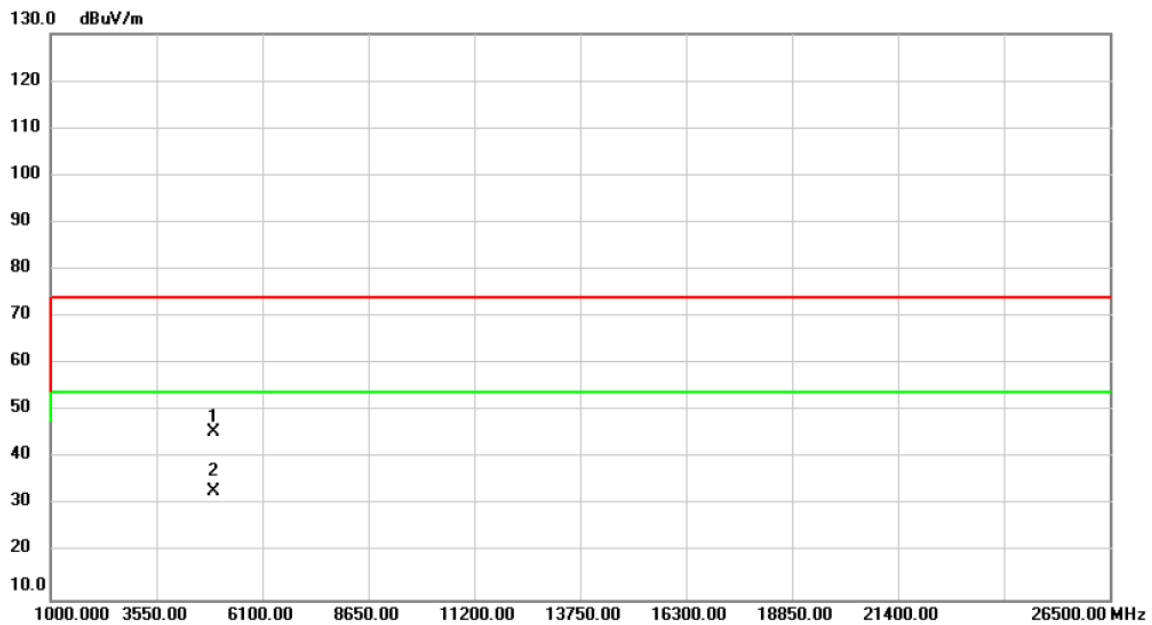


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4914.000	55.12	-9.65	45.47	74.00	-28.53	peak	
2	*	4914.000	42.95	-9.65	33.30	54.00	-20.70	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT40)	Test Date	2020/9/10
Test Frequency	CH11: 2462 MHz	Polarization	Vertical

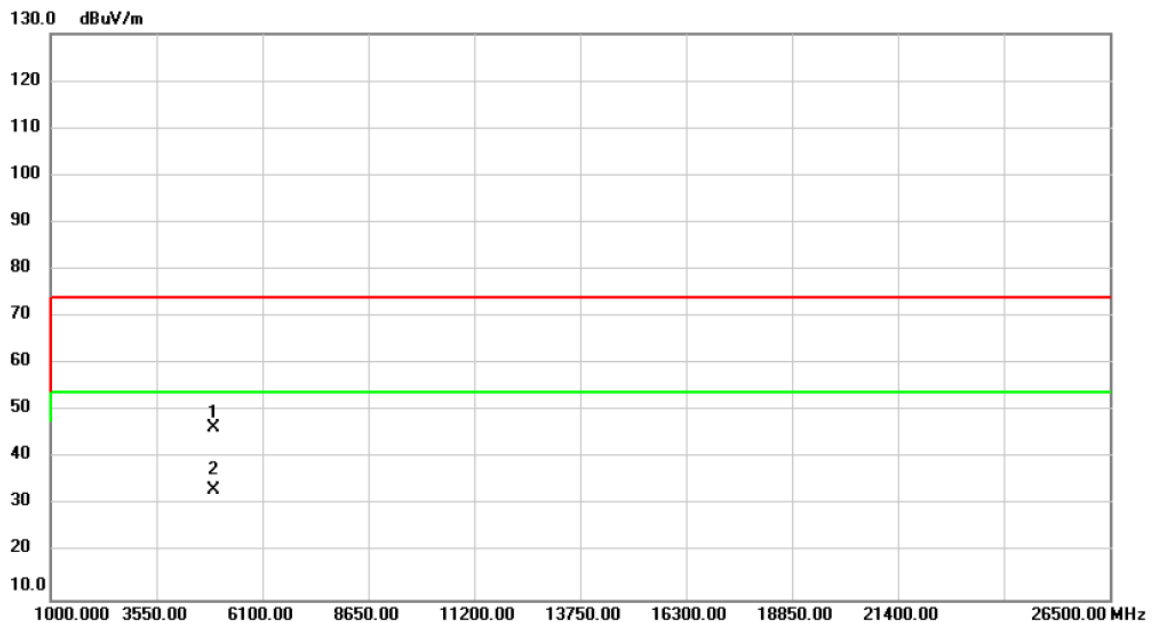


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	55.07	-9.62	45.45	74.00	-28.55	peak	
2	*	4924.000	42.62	-9.62	33.00	54.00	-21.00	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT40)	Test Date	2020/9/10
Test Frequency	CH11: 2462 MHz	Polarization	Horizontal

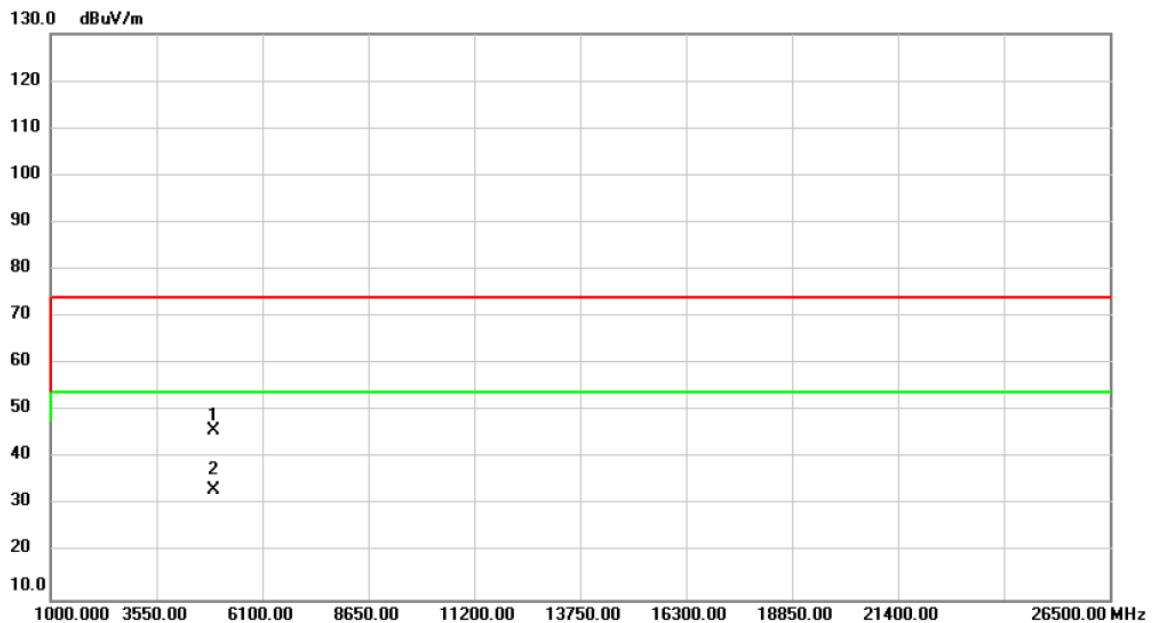


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	56.07	-9.62	46.45	74.00	-27.55	peak	
2	*	4924.000	42.82	-9.62	33.20	54.00	-20.80	AVG	

REMARKS:

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

Test Mode	IEEE 802.11ax (HE20)	Test Date	2020/9/10
Test Frequency	CH12: 2467 MHz	Polarization	Vertical

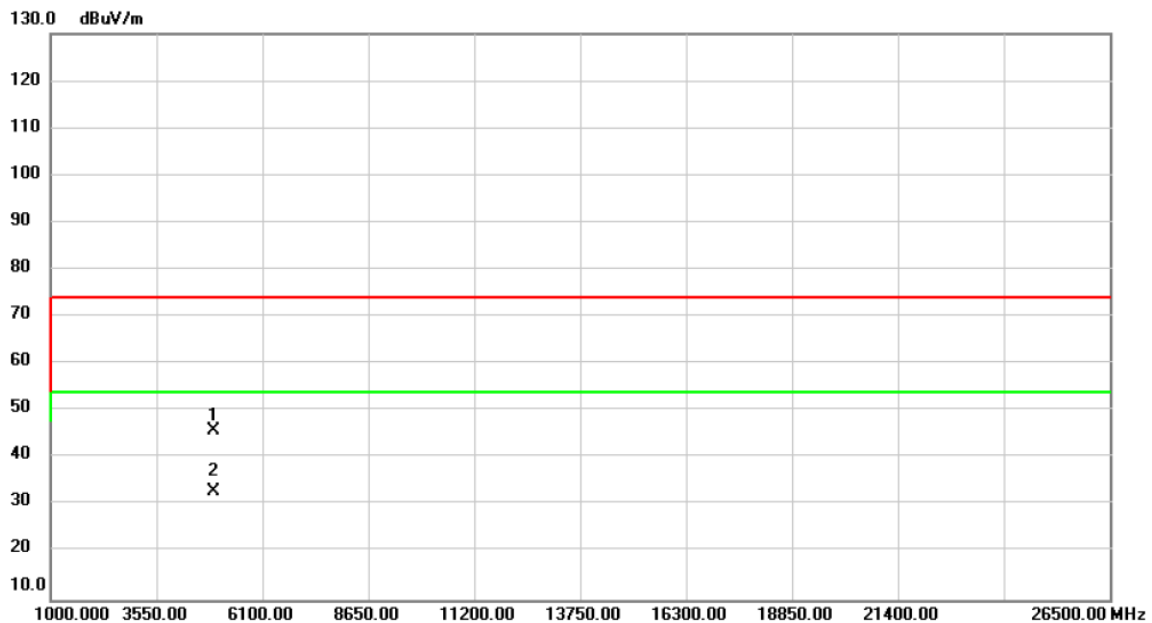


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4934.000	55.40	-9.59	45.81	74.00	-28.19	peak	
2	*	4934.000	42.72	-9.59	33.13	54.00	-20.87	AVG	

REMARKS:

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

Test Mode	IEEE 802.11ax (HE20)	Test Date	2020/9/10
Test Frequency	CH12: 2467 MHz	Polarization	Horizontal

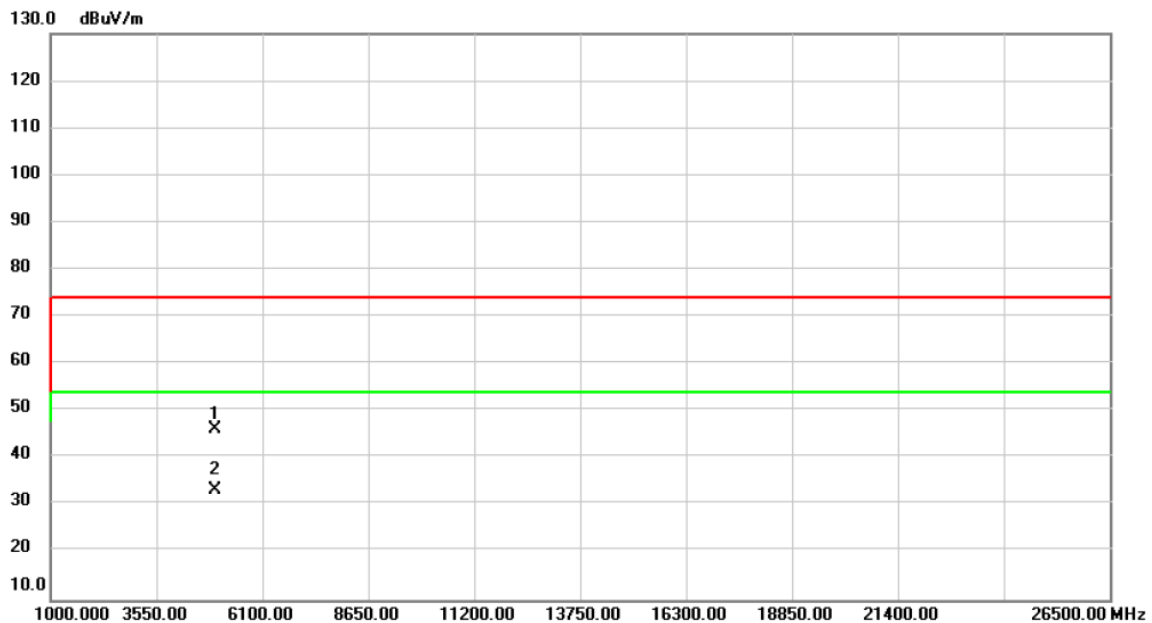


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4934.000	55.51	-9.59	45.92	74.00	-28.08	peak	
2	*	4934.000	42.54	-9.59	32.95	54.00	-21.05	AVG	

REMARKS:

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

Test Mode	IEEE 802.11ax (HE20)	Test Date	2020/9/10
Test Frequency	CH13: 2472 MHz	Polarization	Vertical

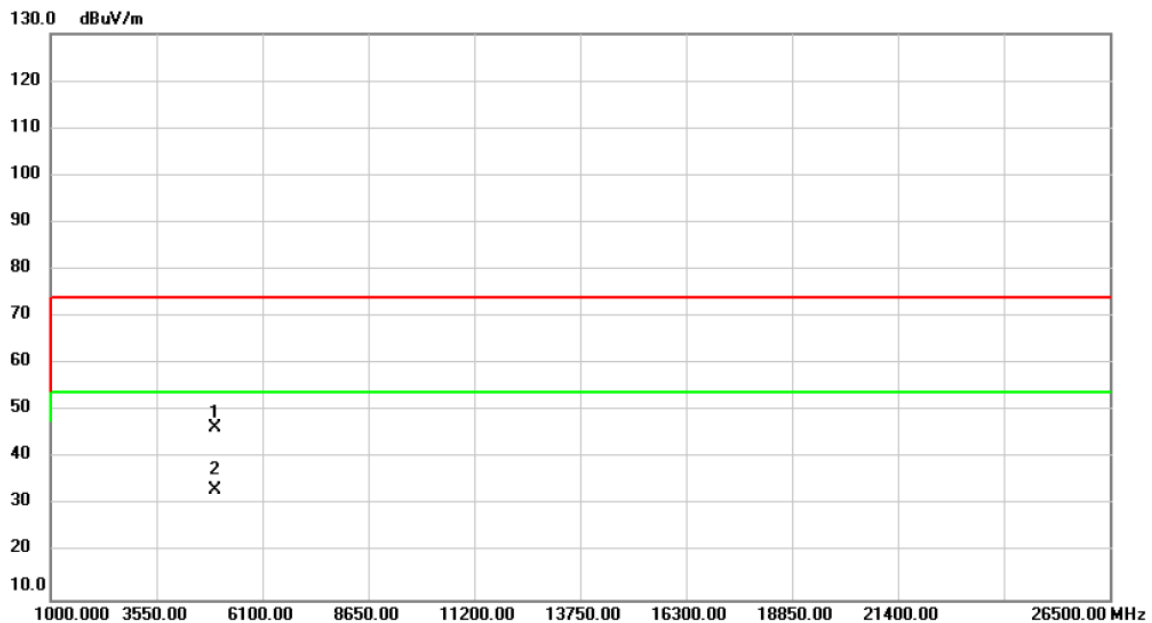


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4944.000	55.61	-9.55	46.06	74.00	-27.94	peak	
2	*	4944.000	42.91	-9.55	33.36	54.00	-20.64	AVG	

REMARKS:

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

Test Mode	IEEE 802.11ax (HE20)	Test Date	2020/9/10
Test Frequency	CH13: 2472 MHz	Polarization	Horizontal

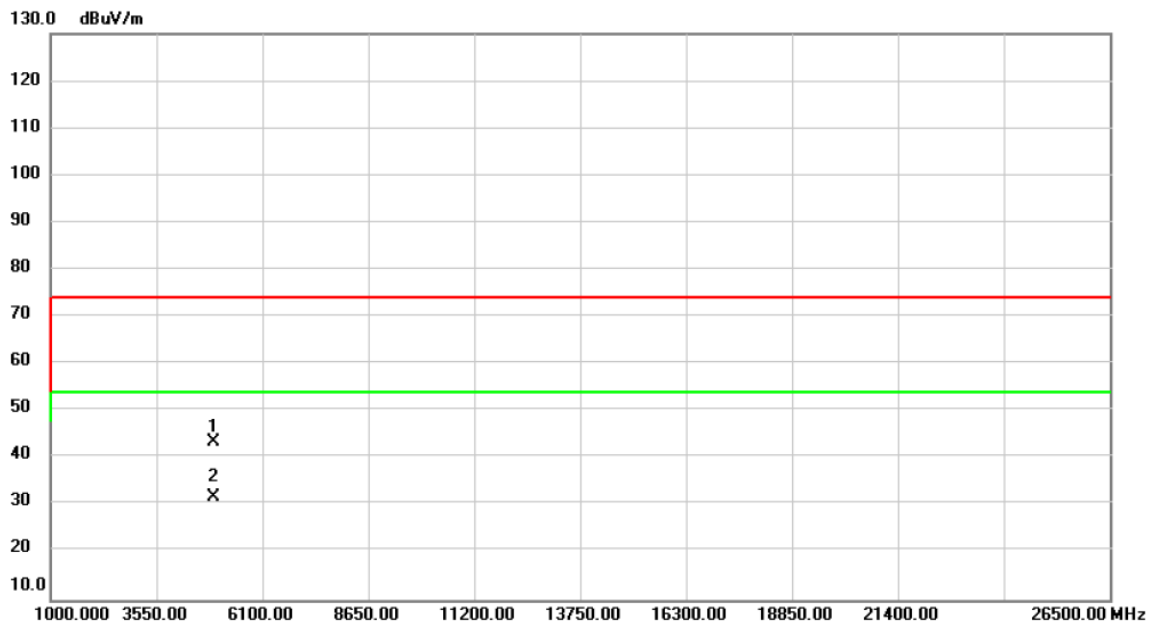


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4944.000	55.95	-9.55	46.40	74.00	-27.60	peak	
2	*	4944.000	42.74	-9.55	33.19	54.00	-20.81	AVG	

REMARKS:

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

Test Mode	IEEE 802.11ax (HE40)	Test Date	2020/9/11
Test Frequency	CH10: 2457 MHz	Polarization	Vertical

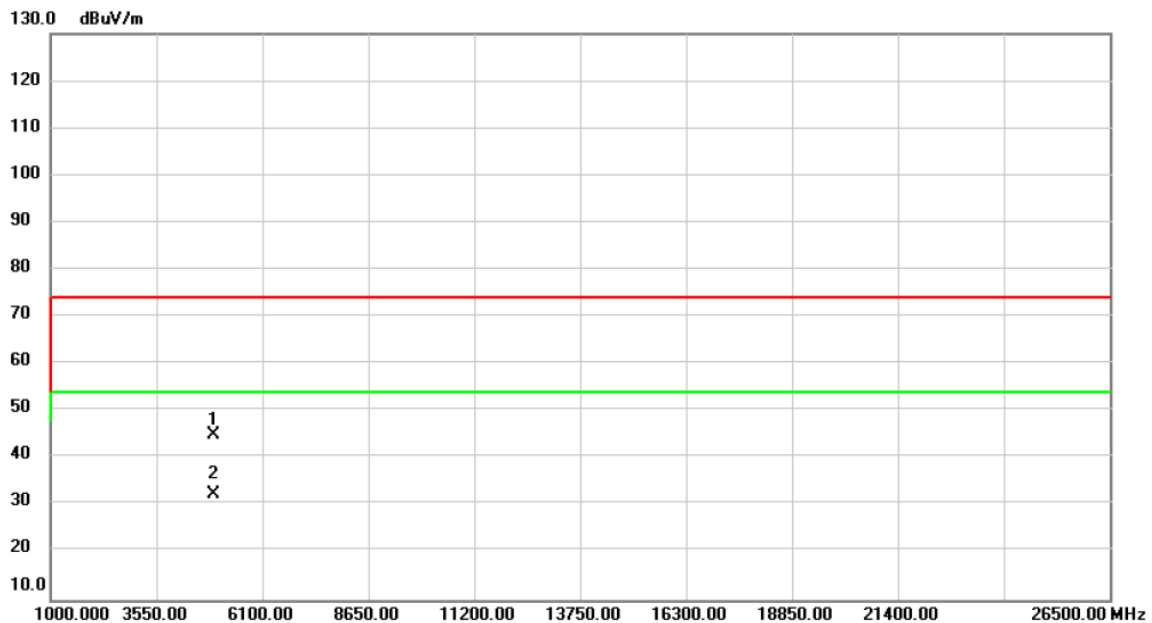


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4914.000	53.08	-9.65	43.43	74.00	-30.57	peak	
2	*	4914.000	41.25	-9.65	31.60	54.00	-22.40	AVG	

REMARKS:

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

Test Mode	IEEE 802.11ax (HE40)	Test Date	2020/9/11
Test Frequency	CH10: 2457 MHz	Polarization	Horizontal

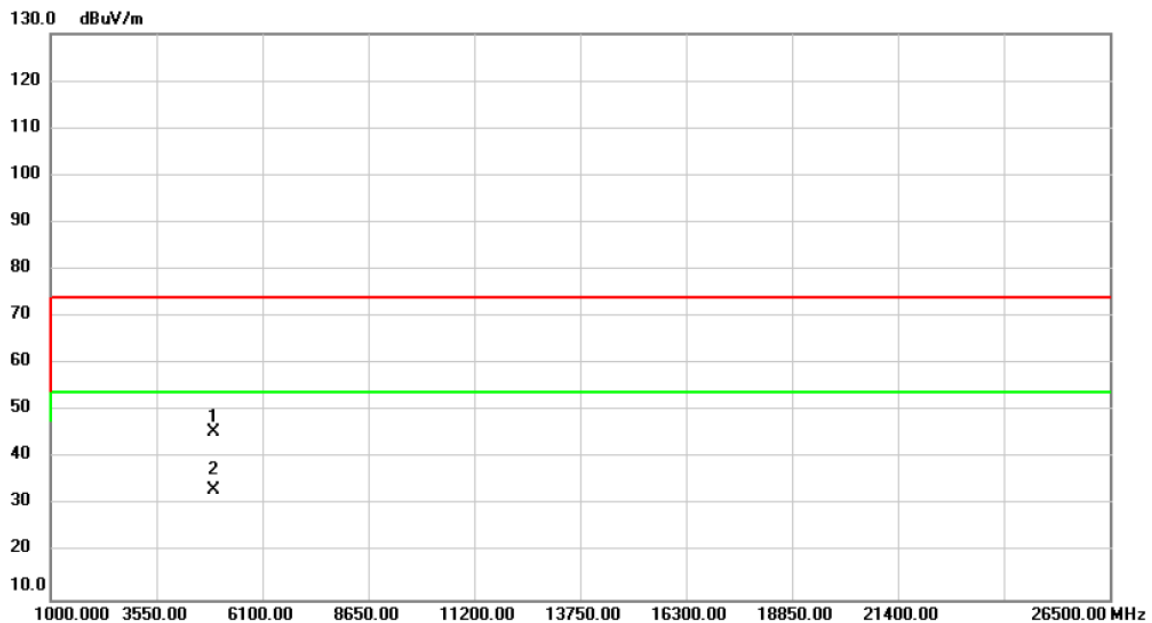


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4914.000	54.48	-9.65	44.83	74.00	-29.17	peak	
2	*	4914.000	42.00	-9.65	32.35	54.00	-21.65	AVG	

REMARKS:

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

Test Mode	IEEE 802.11ax (HE40)	Test Date	2020/9/11
Test Frequency	CH11: 2462 MHz	Polarization	Vertical

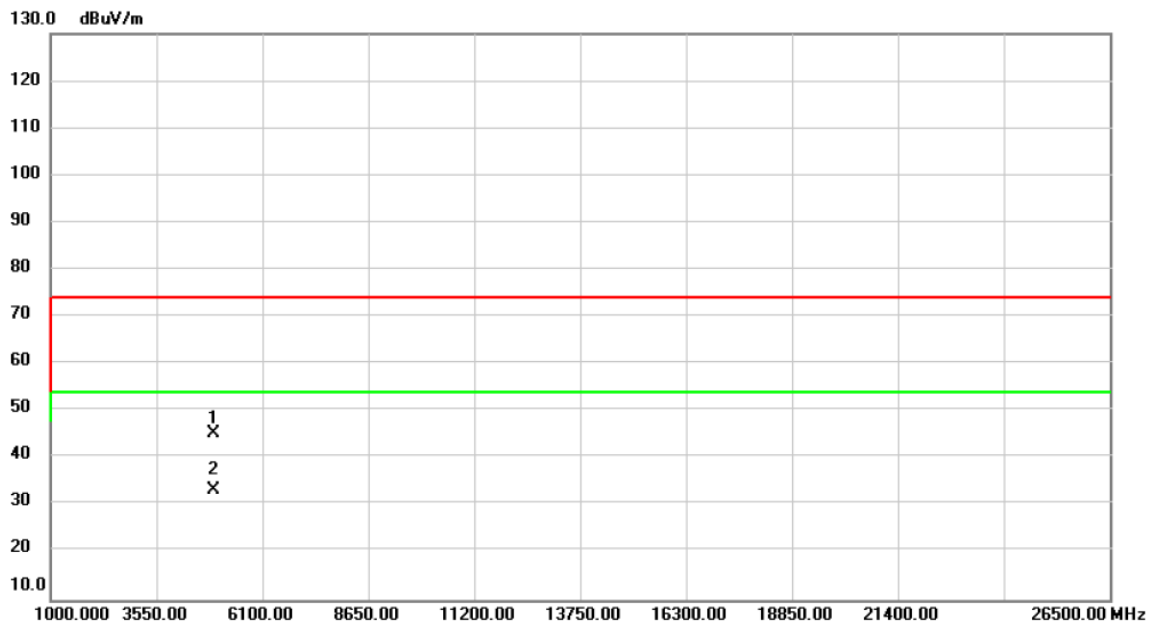


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	55.31	-9.62	45.69	74.00	-28.31	peak	
2	*	4924.000	42.79	-9.62	33.17	54.00	-20.83	AVG	

REMARKS:

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

Test Mode	IEEE 802.11ax (HE40)	Test Date	2020/9/11
Test Frequency	CH11: 2462 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	54.72	-9.62	45.10	74.00	-28.90	peak	
2	*	4924.000	42.76	-9.62	33.14	54.00	-20.86	AVG	

REMARKS:

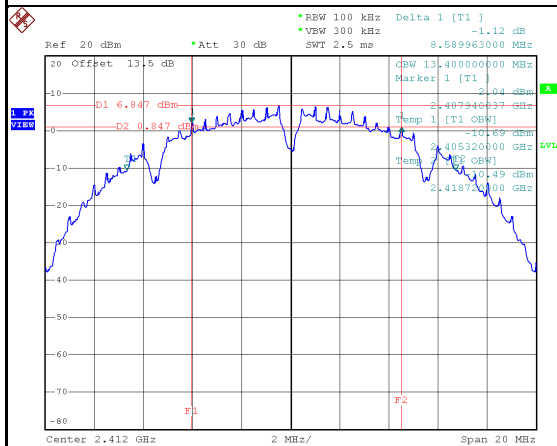
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

APPENDIX D BANDWIDTH

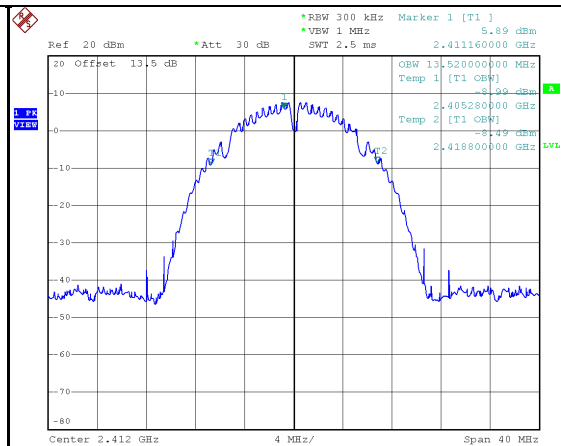
Test Mode IEEE 802.11b_Main Antenna

Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	8.59	13.52	≥ 500	Pass
2437	8.10	13.44	≥ 500	Pass
2462	9.08	13.44	≥ 500	Pass
2467	8.62	13.44	≥ 500	Pass
2472	8.66	13.44	≥ 500	Pass

2412 MHz

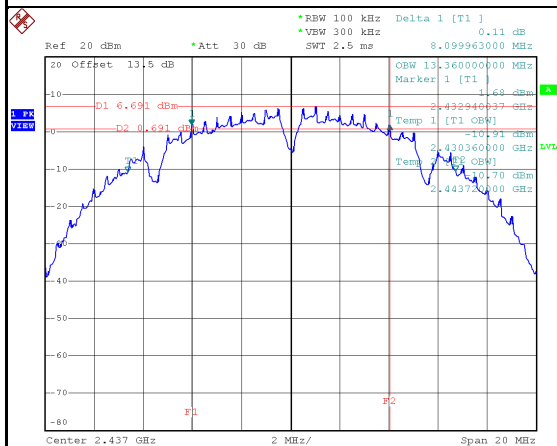


Date: 28.JUL.2020 12:52:59

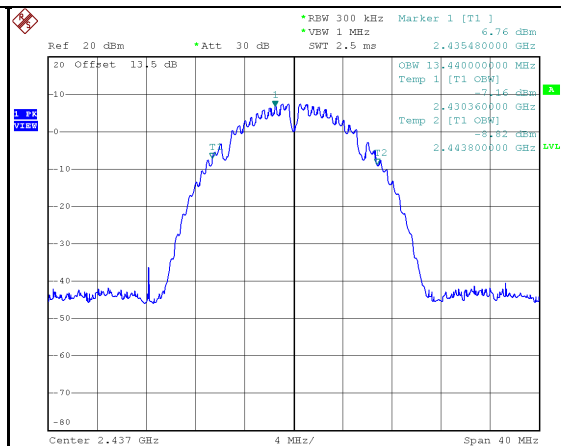


Date: 28.JUL.2020 12:53:06

2437 MHz

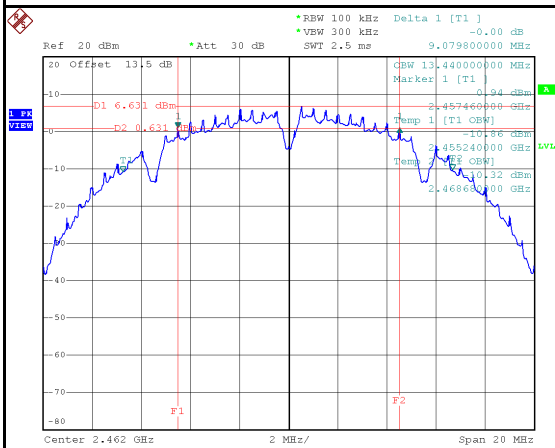


Date: 28.JUL.2020 12:55:20

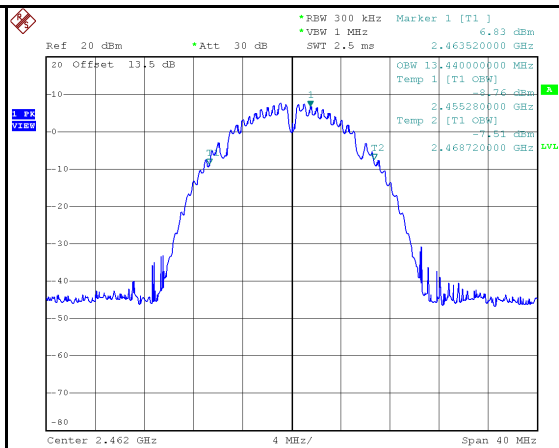


Date: 28.JUL.2020 12:55:27

2462 MHz

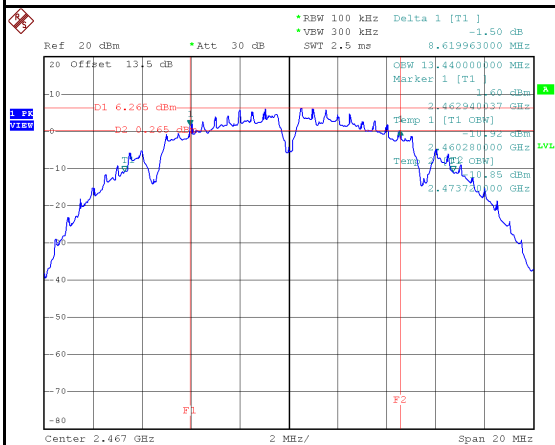


Date: 28.JUL.2020 13:00:35

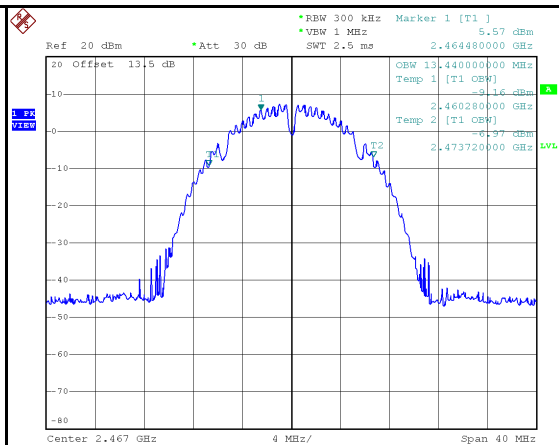


Date: 28.JUL.2020 13:00:42

2467 MHz

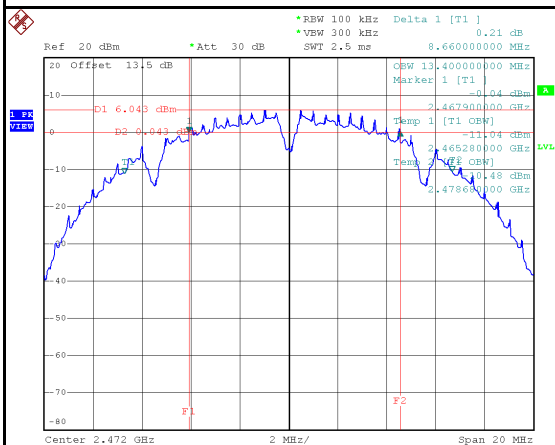


Date: 10.SEP.2020 12:11:36

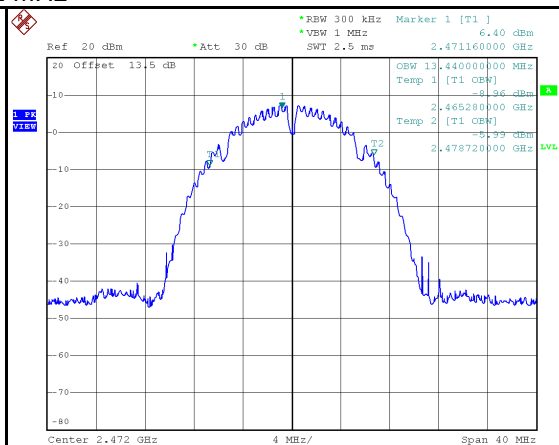


Date: 10.SEP.2020 12:11:43

2472 MHz



Date: 10.SEP.2020 12:19:17

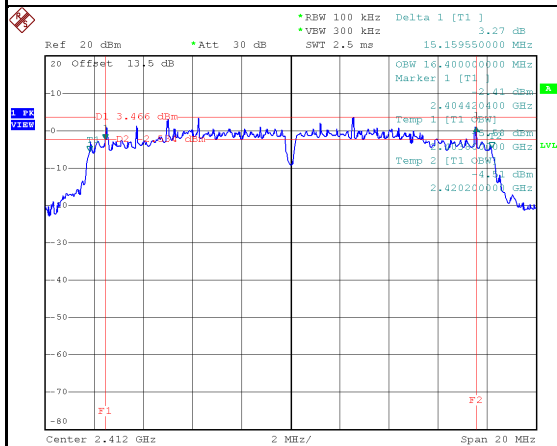


Date: 10.SEP.2020 12:19:23

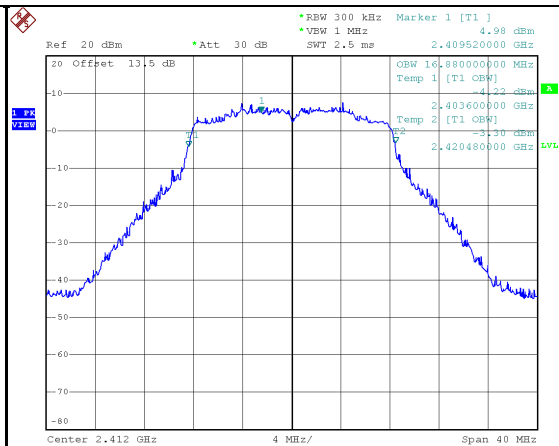
Test Mode IEEE 802.11g_Main Antenna

Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	15.16	16.88	≥ 500	Pass
2437	13.91	16.80	≥ 500	Pass
2462	13.36	16.88	≥ 500	Pass
2467	15.14	16.88	≥ 500	Pass
2472	16.44	16.56	≥ 500	Pass

2412 MHz

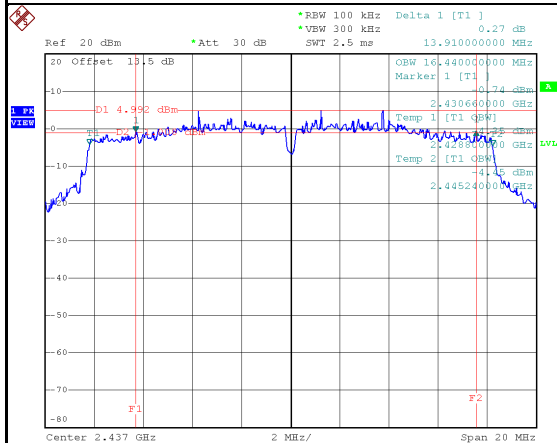


Date: 28.JUL.2020 13:03:55

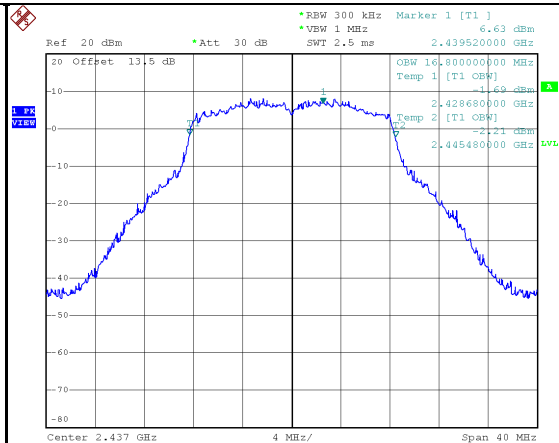


Date: 28.JUL.2020 13:04:02

2437 MHz

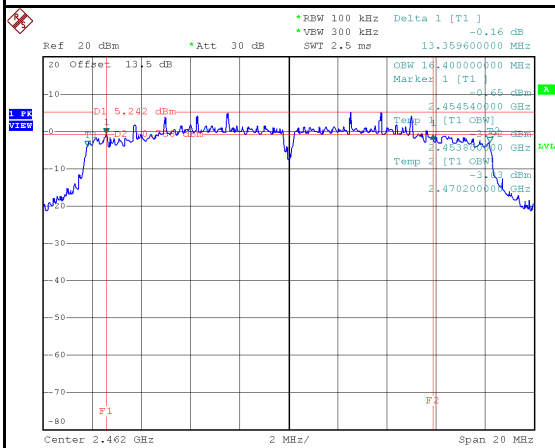


Date: 28.JUL.2020 13:07:58

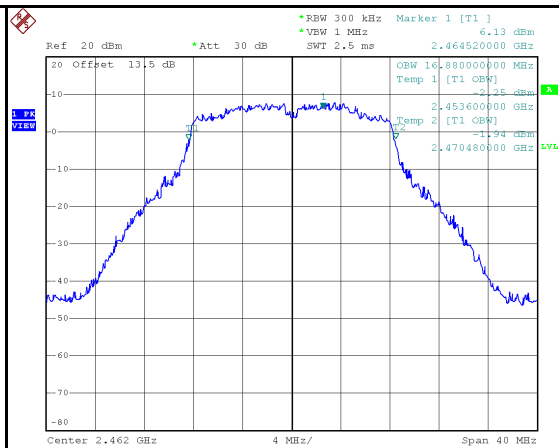


Date: 28.JUL.2020 13:08:05

2462 MHz

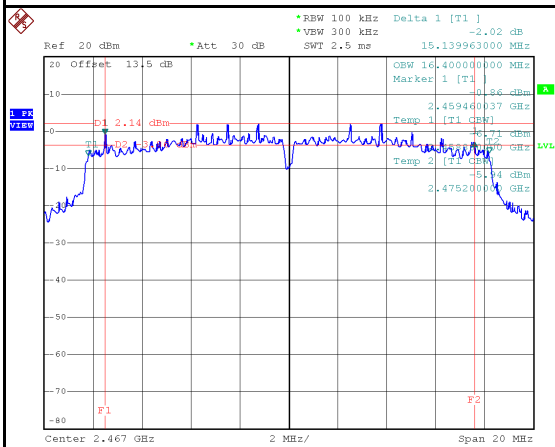


Date: 28.JUL.2020 13:10:10

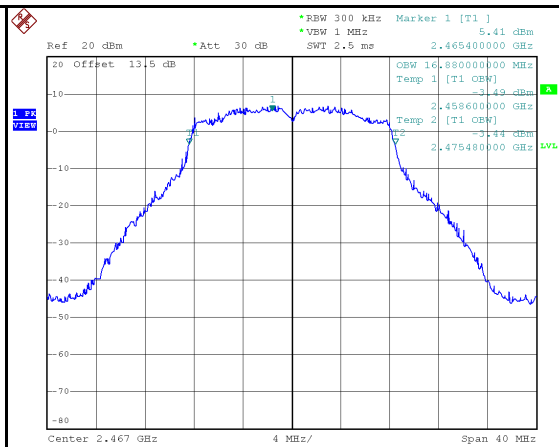


Date: 28.JUL.2020 13:10:17

2467 MHz

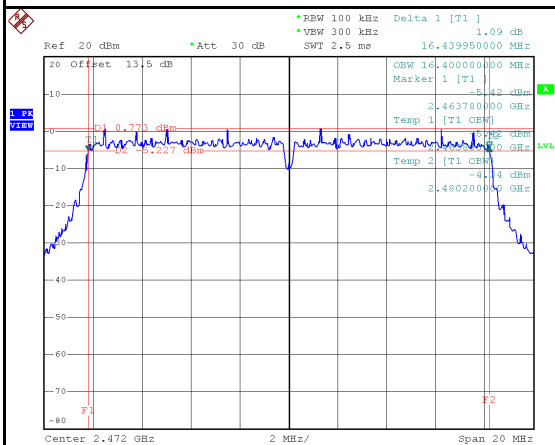


Date: 10.SEP.2020 12:47:43

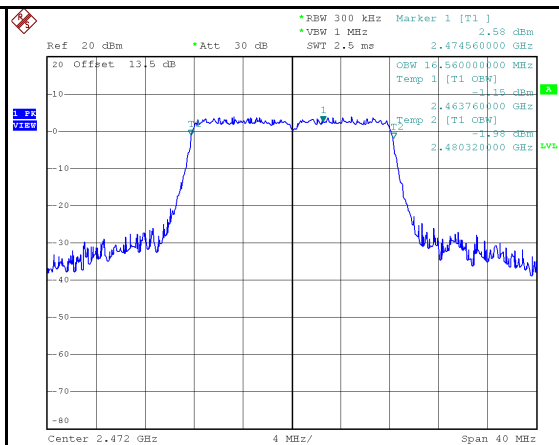


Date: 10.SEP.2020 12:35:13

2472 MHz



Date: 10.SEP.2020 12:44:38

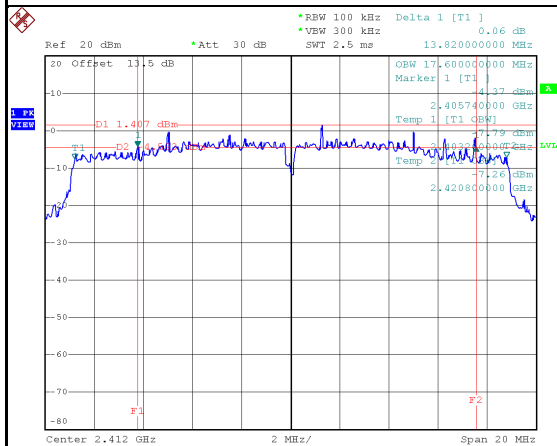


Date: 10.SEP.2020 12:44:45

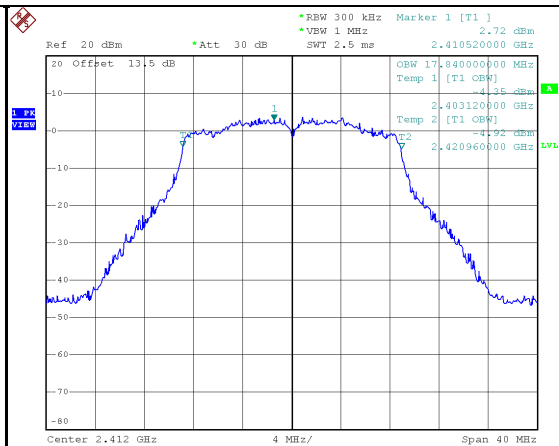
Test Mode	IEEE 802.11n (HT20)_Aux Antenna
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Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	13.82	17.84	≥ 500	Pass
2437	13.15	17.84	≥ 500	Pass
2462	14.08	17.92	≥ 500	Pass
2467	17.66	17.92	≥ 500	Pass
2472	17.73	17.76	≥ 500	Pass

2412 MHz

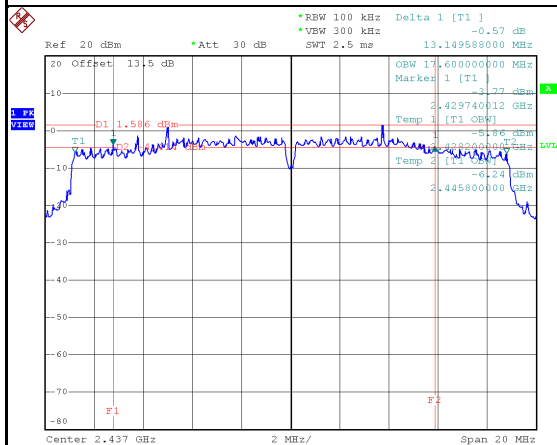


Date: 28.JUL.2020 11:21:38

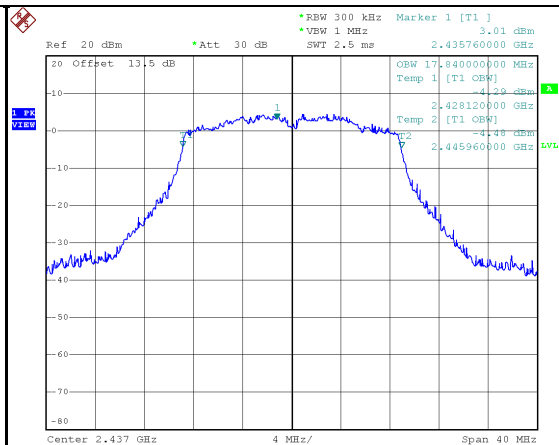


Date: 28.JUL.2020 11:21:45

2437 MHz

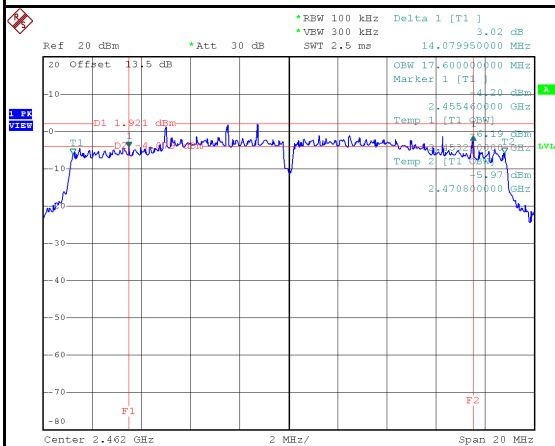


Date: 28.JUL.2020 11:45:48

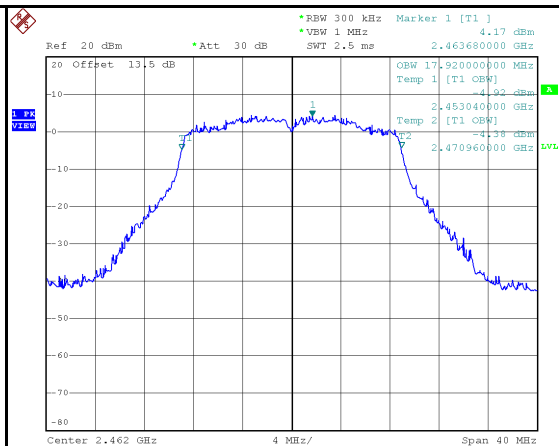


Date: 28.JUL.2020 11:45:54

2462 MHz

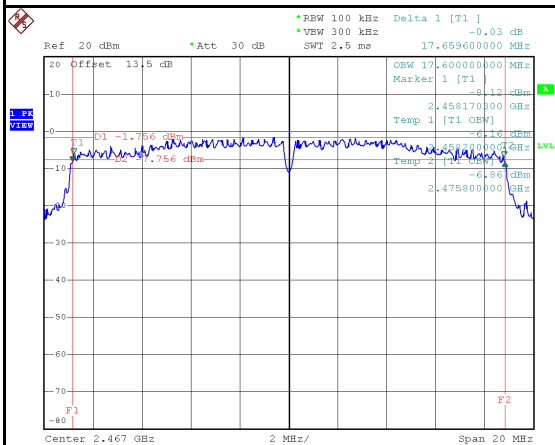


Date: 28.JUL.2020 11:39:41

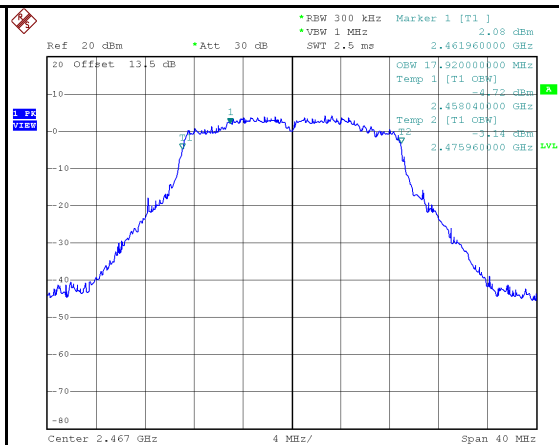


Date: 28.JUL.2020 11:39:47

2467 MHz

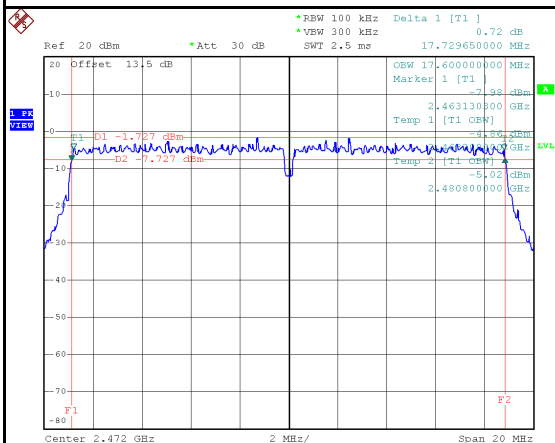


Date: 10.SEP.2020 12:56:50

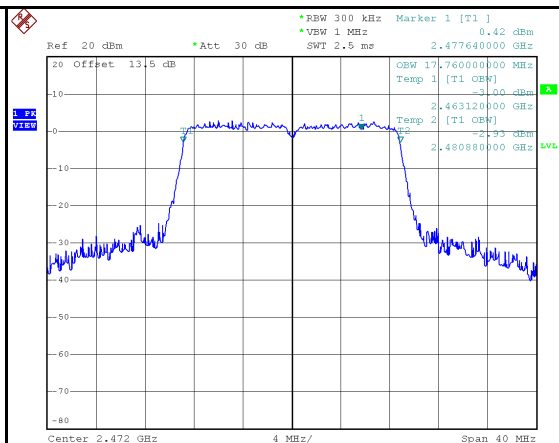


Date: 10.SEP.2020 12:56:57

2472 MHz



Date: 10.SEP.2020 13:04:29

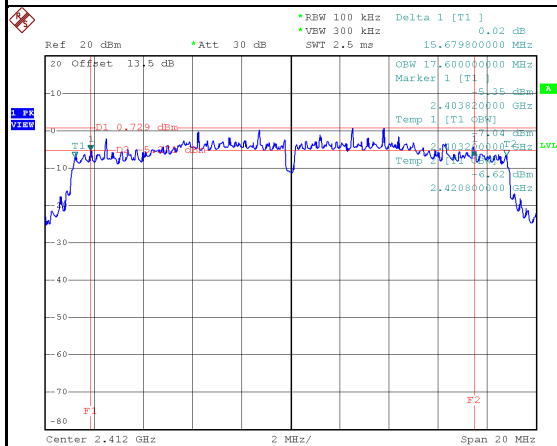


Date: 10.SEP.2020 13:04:35

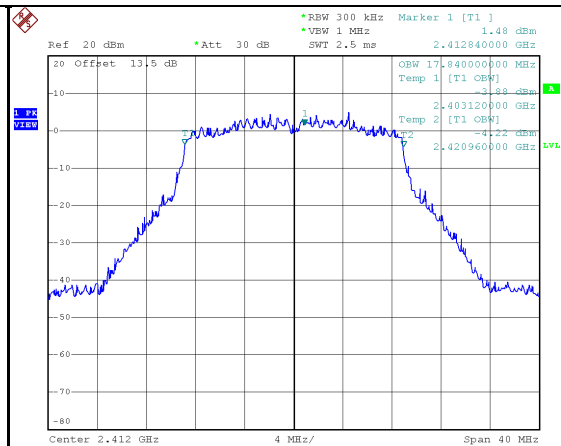
Test Mode	IEEE 802.11n (HT20)_Main Antenna
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Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	15.68	17.84	≥ 500	Pass
2437	15.71	17.84	≥ 500	Pass
2462	14.72	17.76	≥ 500	Pass
2467	17.34	17.84	≥ 500	Pass
2472	17.70	17.76	≥ 500	Pass

2412 MHz

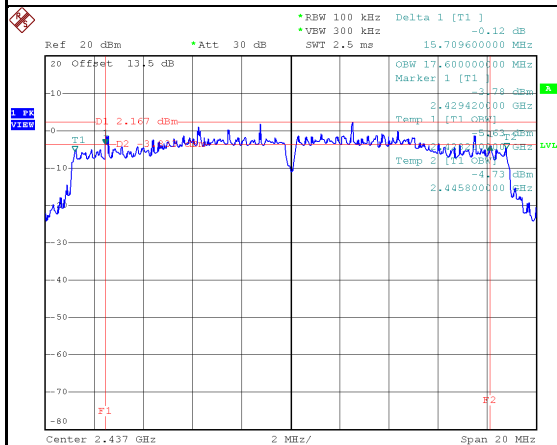


Date: 28.JUL.2020 11:23:15

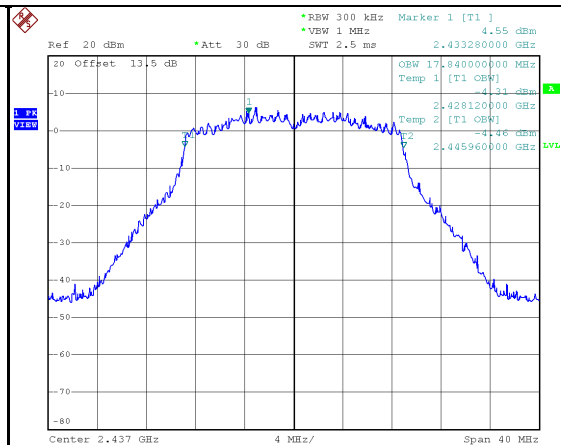


Date: 28.JUL.2020 11:23:21

2437 MHz

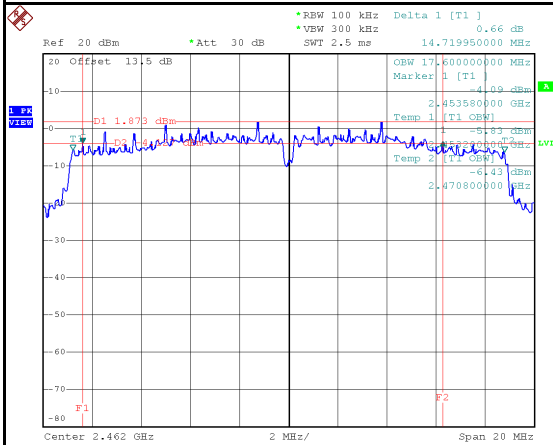


Date: 28.JUL.2020 11:44:07

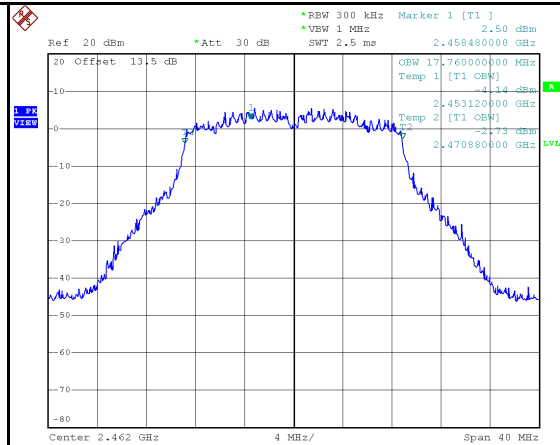


Date: 28.JUL.2020 11:44:13

2462 MHz

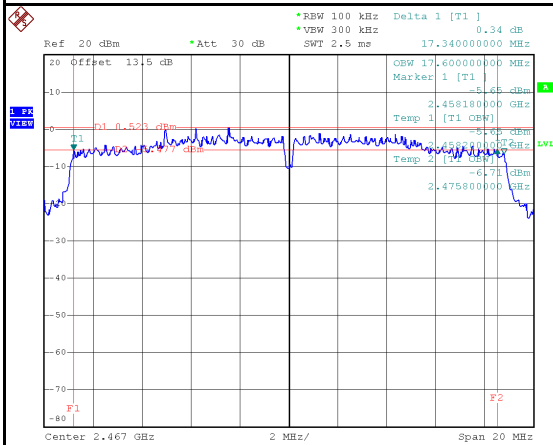


Date: 28.JUL.2020 11:42:31

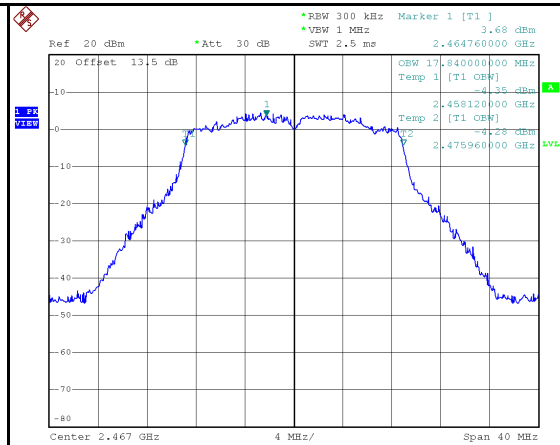


Date: 28.JUL.2020 11:42:37

2467 MHz

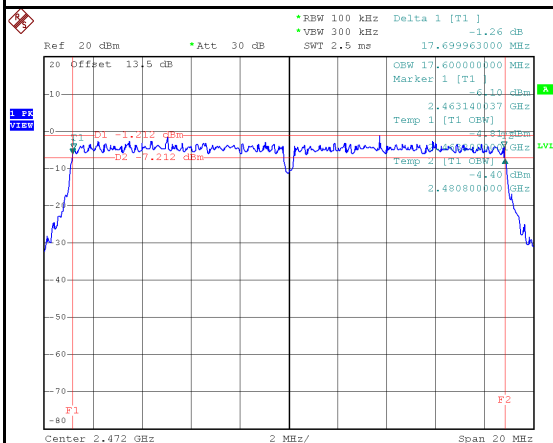


Date: 10.SEP.2020 12:58:28

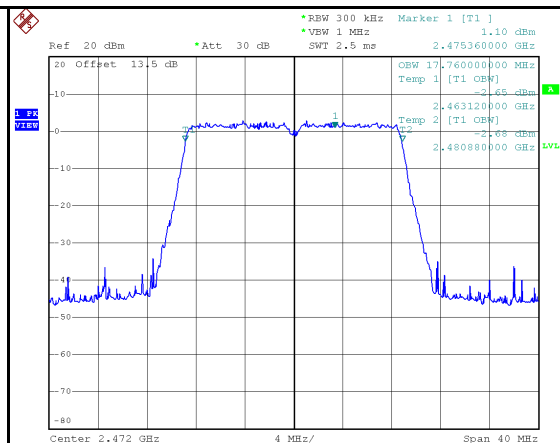


Date: 10.SEP.2020 12:58:35

2472 MHz



Date: 10.SEP.2020 13:02:04



Date: 10.SEP.2020 13:02:11