FCC Radio Test Report

FCC ID: KA2BAX2830PA1

Report No.	:	BTL-FCCP-1-2003H027
Equipment	:	Nuclias Cloud-Managed AX3600 Access Point
Model Name	:	DBA-X2830P
Brand Name	:	D-Link Corporation
Applicant	:	D-Link Corporation
Address	:	17595 Mt. Herrmann, Fountain Valley, California United State 92708
FCC Rule Part(s)	:	FCC Part15, Subpart C (15.247)
Measurement Procedure(s)	:	ANSI C63.10-2013
Date of Receipt	:	2020/3/20
Date of Test	:	2020/3/20 ~ 2020/5/26
Issued Date	:	2020/8/3

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

Prepared by : Peter Chen, Engineer

Approved by : Scott Hsu , Manager

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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.

The report must not be used by the client to claim product certification, approval, or endorsement by NIST, A2LA, or any agency of the U.S. Government.

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

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

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

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

Limitation

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

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

CONTENTS

REPORT ISSUED HISTORY

Report Version	Description	Issued Date
R00	Original Issue.	2020/8/3

1 TEST DATA RE-USE SUMMARY

Differences Brief Description:

The hardware of this device are identical to the build-in antenna type of the implementation in FCC ID: KA2WL8630APA1.
The product change items are changed enclosure and added cloud function in software. The data from that application has been verified through appropriate spot checks to demonstrate compliance for this device as shown in the summary table below.

The Spot check results that can refer to the APPENDIX.

Spot Check Verification Result Summary

Equipment Class	Reference FCC ID	Reference Report No.	Report Title/ Section
DTS-WLAN	KA2WL8630APA1	BTL-FCCP-1-1909H044	All Section

1.1 TEST FACILITY

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

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

☒ C05 ☐ CB08 ☐ CB11 ☒ CB15 ☐ CB16
☒ SR06

1.2 MEASUREMENT UNCERTAINTY

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

A. AC power line conducted emissions test:

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

B. Radiated emissions test :

Test Site	Measurement Frequency Range	U,(dB)
CB18	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)
Output power	1.06

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	25 °C, 62 %	AC 120V	William Wei
Radiated emissions below 1 GHz	22 °C, 65 %	AC 120V	Hunter Chiang
Radiated emissions above 1 GHz	22 °C, 65 %	AC 120V	Hunter Chiang
Output Power	23.4 °C, 52 %	AC 120V	Jay Kao

2 LIST OF MEASURING EQUIPMENTS

Radiated Emissions						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Preamplifier	EMCI	EMC001340	980555	2020/4/11	2021/4/10
2	Preamplifier	EMCI	EMC02325B	980217	2019/4/12	2021/4/10
3	Preamplifier	EMCI	EMC012645B	980267	2019/4/12	2021/4/10
4	Preamplifier	EMCI	EMC2654045	980030	2020/1/31	2021/1/30
5	Test Cable	EMCI	EMC104-SM-SM-800	150207	2019/4/12	2021/4/10
6	Test Cable	EMCI	EMC104-SM-SM-3000	151205	2019/4/12	2021/4/10
7	Test Cable	EMCI	EMC-SM-SM-7000	180408	2019/4/12	2021/4/10
8	MXE EMI Receiver	Agilent	N9038A	MY55420127	2020/3/25	2021/3/25
9	Signal Analyzer	Agilent	N9010A	MY56480554	2019/6/6	2020/6/5
10	Loop Ant	EMCO	EMCI-LPA600	274	2019/5/31	2020/5/30
11	Horm Ant	SCHWARZBECK	BBHA 9120D	9120D-1342	2019/6/10	2020/6/9
12	Horm Ant	Schwarzbeck	BBHA 9170	187	2019/12/21	2020/12/20
13	Trilog-Broadband Antenna	Schwarzbeck	VULB 9168	000992	2019/5/29	2020/5/28
14	5dB Attenuator	EMCI	EMCI-N-6-05	AT-N0508	2019/5/29	2020/5/28

Output Power						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Power Meter	Anritsu	ML2487A	6K00004714	2020/6/19	2021/6/18
2	Power Sensor	Anritsu	MA2491A	1725282	2020/6/19	2021/6/18

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

3 EUT TEST PHOTO

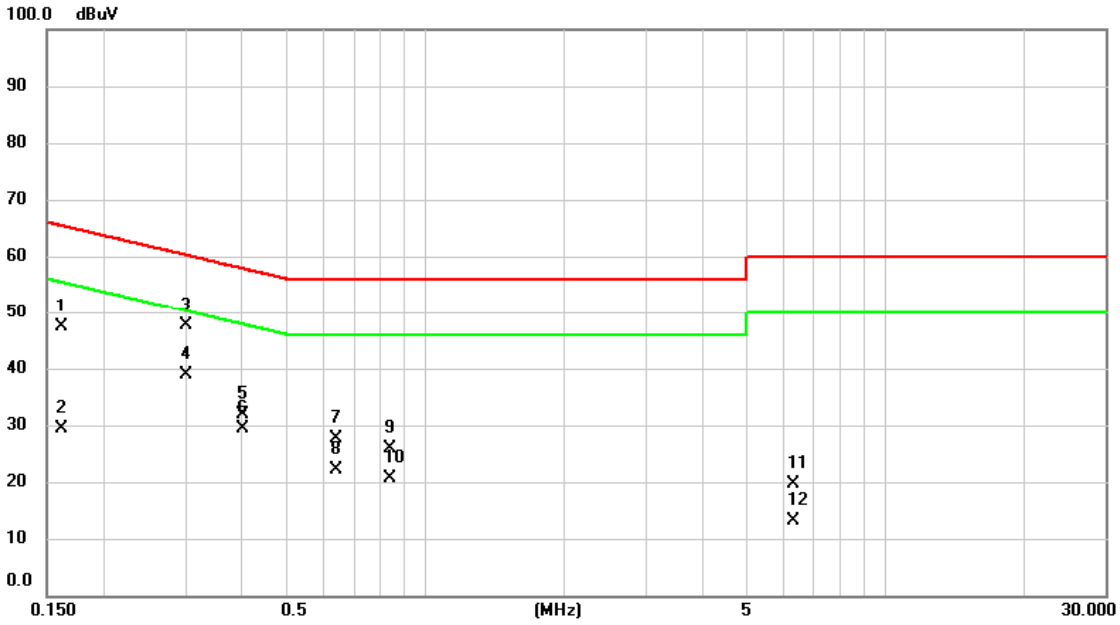
Please refer to document Appendix No.: TP-2003H027-FCCP-1 (APPENDIX-TEST PHOTOS).

4 EUT PHOTOS

Please refer to document Appendix No.: EP-2003H027-1 (APPENDIX-EUT PHOTOS).

APPENDIX A AC POWER LINE CONDUCTED EMISSIONS

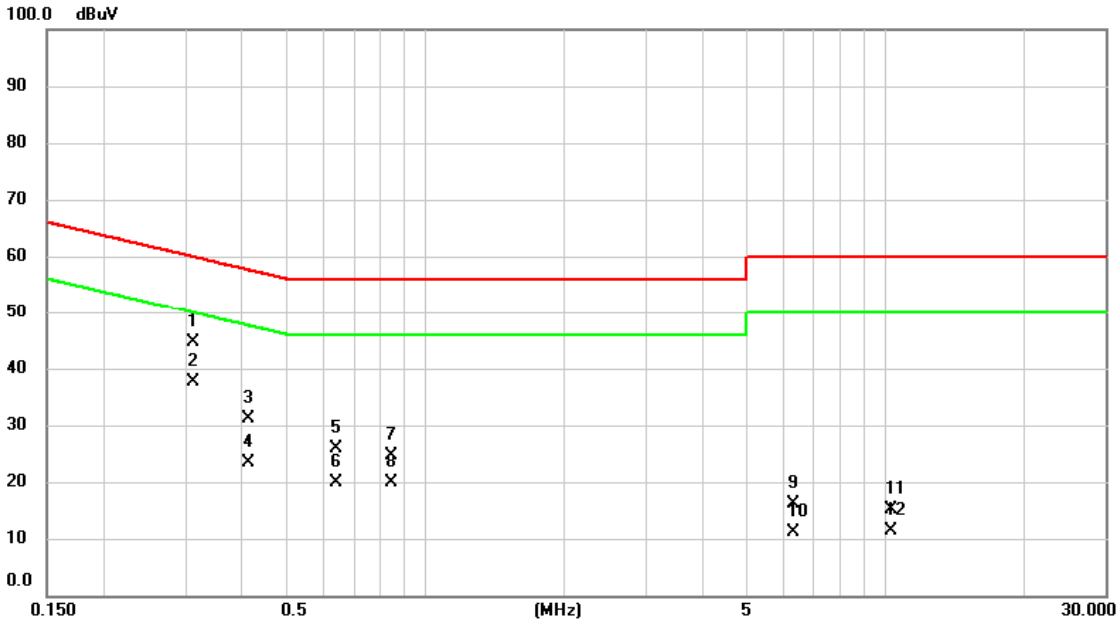
Test Mode	Normal	Tested Date	2020/4/16
Test Frequency	-	Phase	Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1613	37.80	9.60	47.40	65.40	-18.00	QP	
2		0.1613	19.66	9.60	29.26	55.40	-26.14	AVG	
3		0.3007	37.86	9.65	47.51	60.22	-12.71	QP	
4	*	0.3007	29.17	9.65	38.82	50.22	-11.40	AVG	
5		0.4020	22.30	9.65	31.95	57.81	-25.86	QP	
6		0.4020	19.80	9.65	29.45	47.81	-18.36	AVG	
7		0.6427	18.04	9.66	27.70	56.00	-28.30	QP	
8		0.6427	12.35	9.66	22.01	46.00	-23.99	AVG	
9		0.8407	16.14	9.65	25.79	56.00	-30.21	QP	
10		0.8407	10.97	9.65	20.62	46.00	-25.38	AVG	
11		6.3353	9.74	9.81	19.55	60.00	-40.45	QP	
12		6.3353	3.34	9.81	13.15	50.00	-36.85	AVG	

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

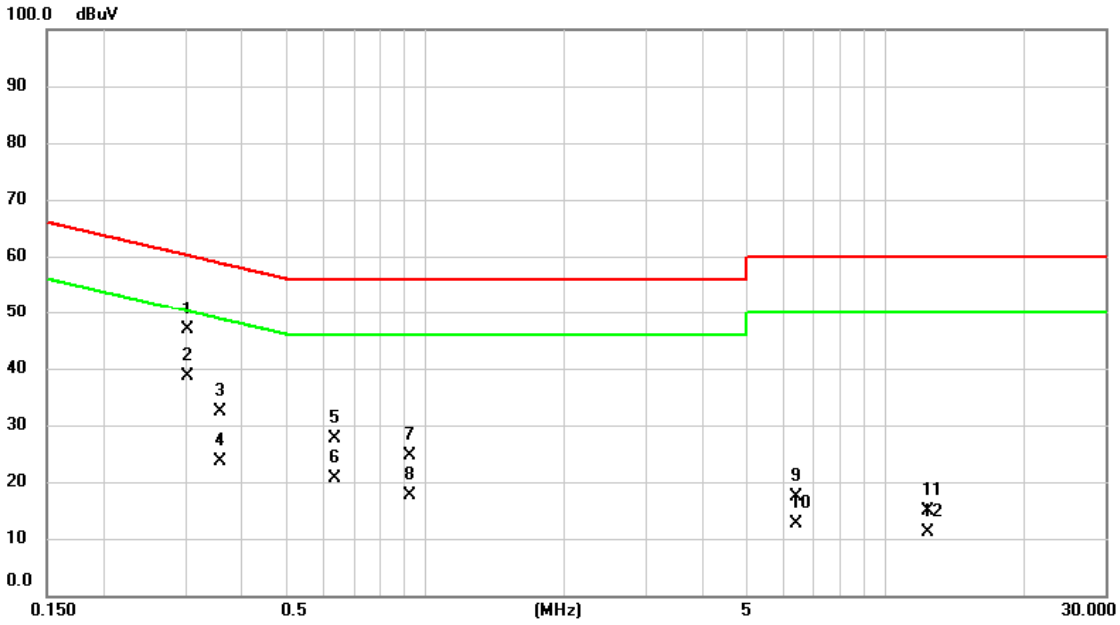
Test Mode	Normal	Tested Date	2020/4/16
Test Frequency	-	Phase	Neutral



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.3120	35.09	9.65	44.74	59.92	-15.18	QP	
2	*	0.3120	28.10	9.65	37.75	49.92	-12.17	AVG	
3		0.4132	21.51	9.65	31.16	57.58	-26.42	QP	
4		0.4132	13.66	9.65	23.31	47.58	-24.27	AVG	
5		0.6405	16.19	9.66	25.85	56.00	-30.15	QP	
6		0.6405	10.32	9.66	19.98	46.00	-26.02	AVG	
7		0.8430	15.04	9.65	24.69	56.00	-31.31	QP	
8		0.8430	10.12	9.65	19.77	46.00	-26.23	AVG	
9		6.3015	6.30	9.81	16.11	60.00	-43.89	QP	
10		6.3015	1.44	9.81	11.25	50.00	-38.75	AVG	
11		10.2524	5.24	9.88	15.12	60.00	-44.88	QP	
12		10.2524	1.50	9.88	11.38	50.00	-38.62	AVG	

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

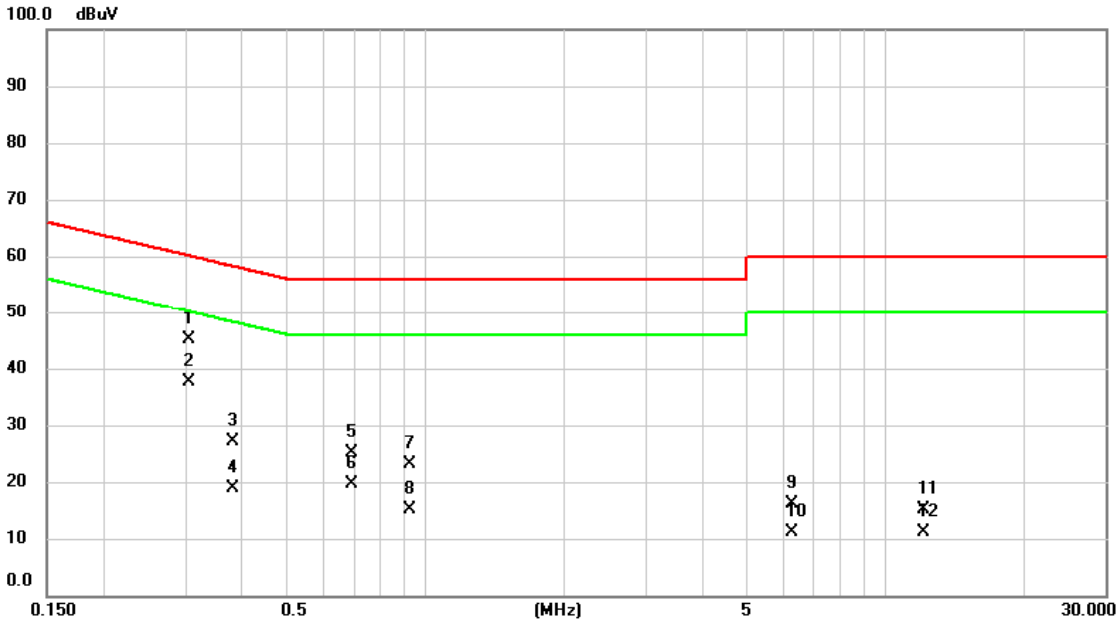
Test Mode	Idle	Tested Date	2020/4/16
Test Frequency	-	Phase	Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.3030	37.11	9.65	46.76	60.16	-13.40	QP	
2	*	0.3030	29.06	9.65	38.71	50.16	-11.45	AVG	
3		0.3592	22.70	9.65	32.35	58.75	-26.40	QP	
4		0.3592	13.93	9.65	23.58	48.75	-25.17	AVG	
5		0.6360	17.99	9.66	27.65	56.00	-28.35	QP	
6		0.6360	11.01	9.66	20.67	46.00	-25.33	AVG	
7		0.9240	15.09	9.64	24.73	56.00	-31.27	QP	
8		0.9240	7.90	9.64	17.54	46.00	-28.46	AVG	
9		6.3983	7.58	9.81	17.39	60.00	-42.61	QP	
10		6.3983	2.75	9.81	12.56	50.00	-37.44	AVG	
11		12.3720	4.99	9.91	14.90	60.00	-45.10	QP	
12		12.3720	1.16	9.91	11.07	50.00	-38.93	AVG	

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

Test Mode	Idle	Tested Date	2020/4/16
Test Frequency	-	Phase	Neutral

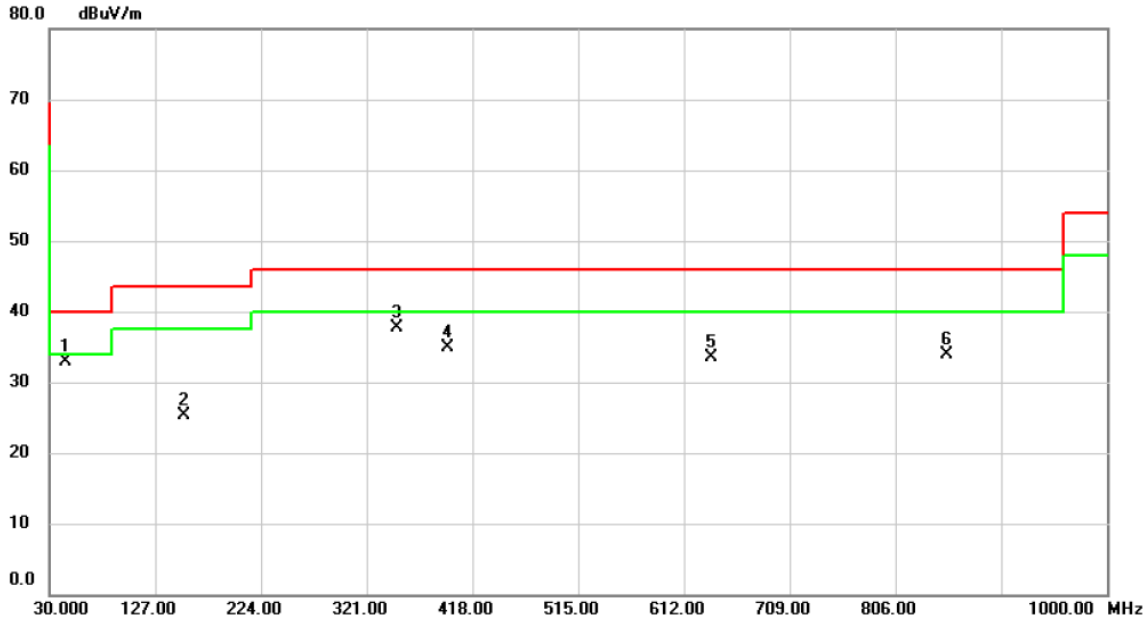


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.3052	35.59	9.65	45.24	60.10	-14.86	QP	
2	*	0.3052	27.90	9.65	37.55	50.10	-12.55	AVG	
3		0.3817	17.60	9.65	27.25	58.24	-30.99	QP	
4		0.3817	9.14	9.65	18.79	48.24	-29.45	AVG	
5		0.6945	15.57	9.67	25.24	56.00	-30.76	QP	
6		0.6945	10.08	9.67	19.75	46.00	-26.25	AVG	
7		0.9240	13.52	9.64	23.16	56.00	-32.84	QP	
8		0.9240	5.50	9.64	15.14	46.00	-30.86	AVG	
9		6.2588	6.32	9.81	16.13	60.00	-43.87	QP	
10		6.2588	1.41	9.81	11.22	50.00	-38.78	AVG	
11		12.1335	5.17	9.91	15.08	60.00	-44.92	QP	
12		12.1335	1.33	9.91	11.24	50.00	-38.76	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

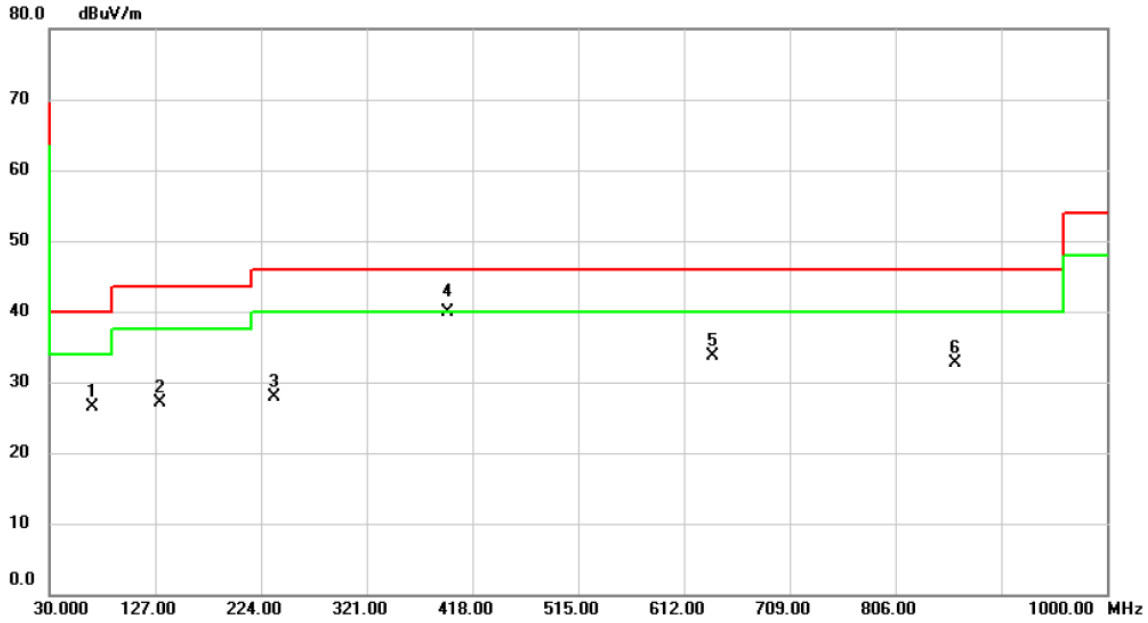
Test Mode	IEEE 802.11g	Test Date	2020/4/15
Test Frequency	CH11: 2462 MHz	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	44.5500	41.08	-8.25	32.83	40.00	-7.17	peak	
2		153.1900	33.87	-8.59	25.28	43.50	-18.22	peak	
3		348.1600	43.92	-6.26	37.66	46.00	-8.34	peak	
4		394.7200	40.17	-5.19	34.98	46.00	-11.02	peak	
5		637.2200	33.47	0.03	33.50	46.00	-12.50	peak	
6		853.5300	29.84	4.05	33.89	46.00	-12.11	peak	

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

Test Mode	IEEE 802.11g	Test Date	2020/4/15
Test Frequency	CH11: 2462 MHz	Polarization	Horizontal

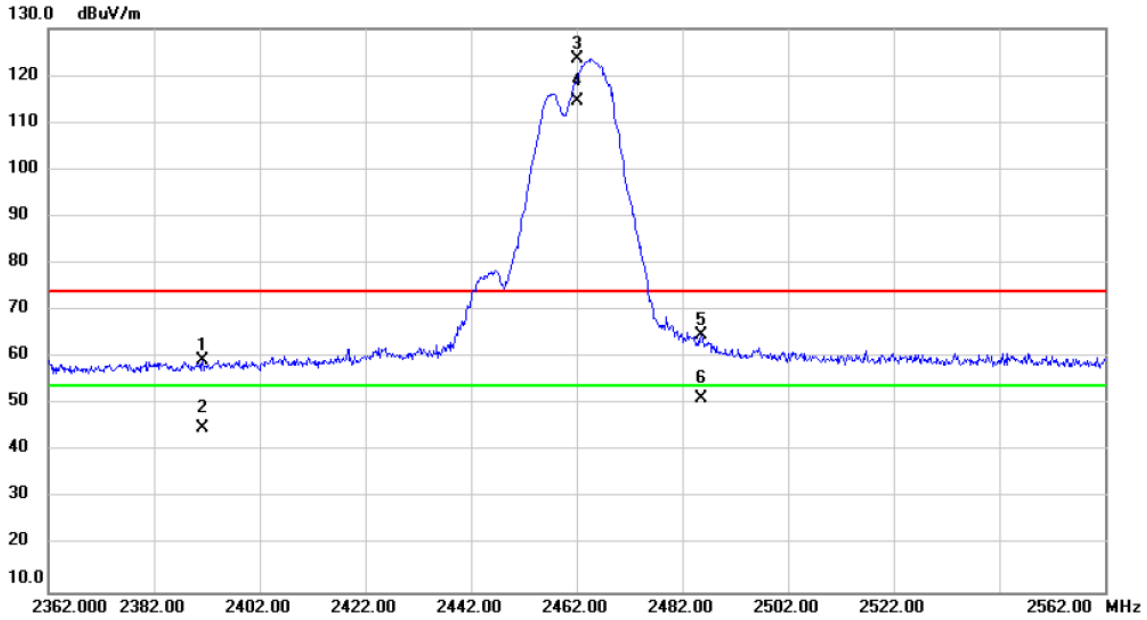


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		69.7700	37.18	-10.66	26.52	40.00	-13.48	peak	
2		131.8500	36.73	-9.72	27.01	43.50	-16.49	peak	
3		236.6100	37.21	-9.28	27.93	46.00	-18.07	peak	
4	*	395.6900	45.09	-5.17	39.92	46.00	-6.08	QP	
5		638.1900	33.58	0.05	33.63	46.00	-12.37	peak	
6		860.3200	28.57	4.19	32.76	46.00	-13.24	peak	

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

APPENDIX C RADIATED EMISSIONS - ABOVE 1 GHZ

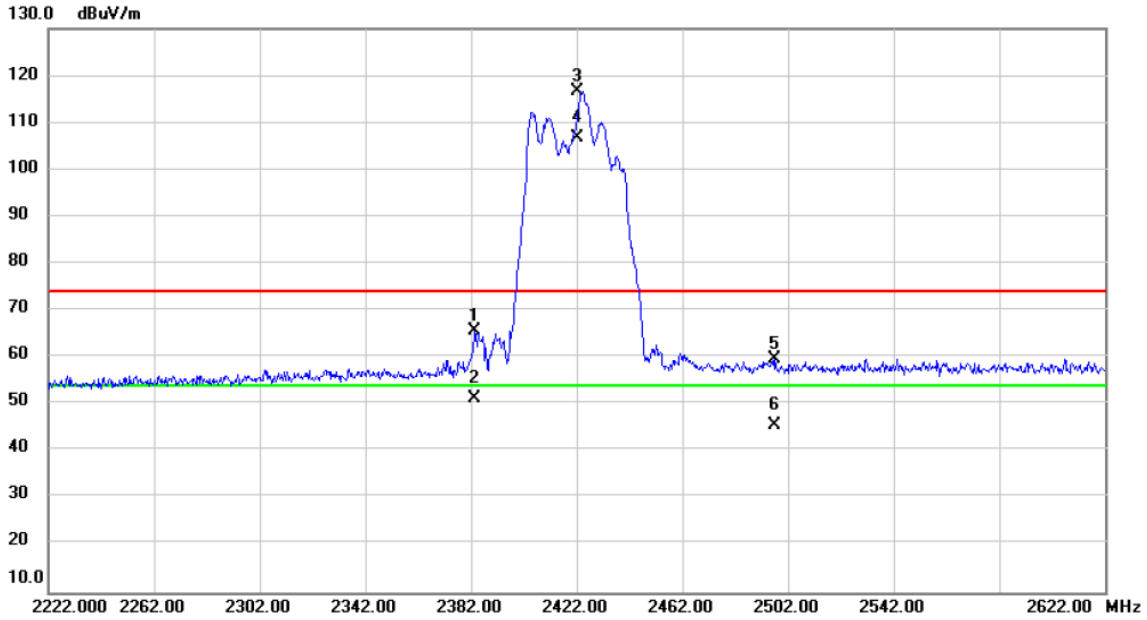
Test Mode	IEEE 802.11g	Test Date	2020/4/15
Test Frequency	CH11: 2462 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2391.200	28.10	31.38	59.48	74.00	-14.52	peak	
2		2391.200	13.60	31.38	44.98	54.00	-9.02	AVG	
3	X	2462.000	91.92	31.67	123.59	74.00	49.59	peak	No Limit
4	*	2462.000	82.95	31.67	114.62	54.00	60.62	AVG	No Limit
5		2485.600	32.94	31.76	64.70	74.00	-9.30	peak	
6		2485.600	19.37	31.76	51.13	54.00	-2.87	AVG	

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

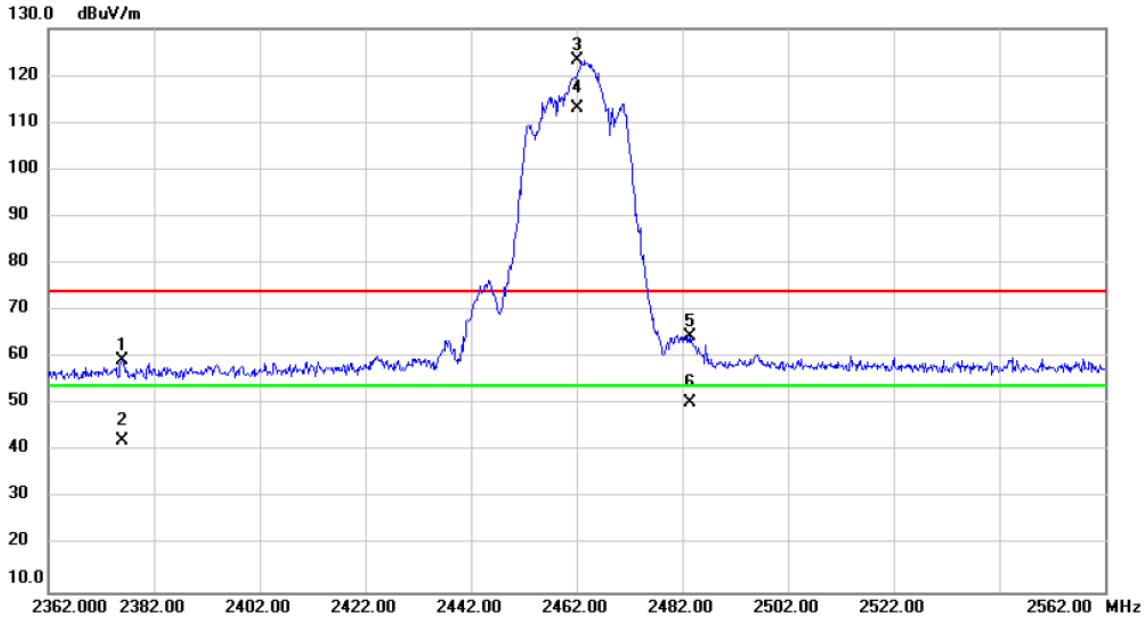
Test Mode	IEEE 802.11n (HT40)	Test Date	2020/4/15
Test Frequency	CH03: 2422 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2383.600	34.36	31.35	65.71	74.00	-8.29	peak	
2		2383.600	20.03	31.35	51.38	54.00	-2.62	AVG	
3	X	2422.000	85.18	31.51	116.69	74.00	42.69	peak	No Limit
4	*	2422.000	75.23	31.51	106.74	54.00	52.74	AVG	No Limit
5		2497.200	27.93	31.81	59.74	74.00	-14.26	peak	
6		2497.200	13.67	31.81	45.48	54.00	-8.52	AVG	

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

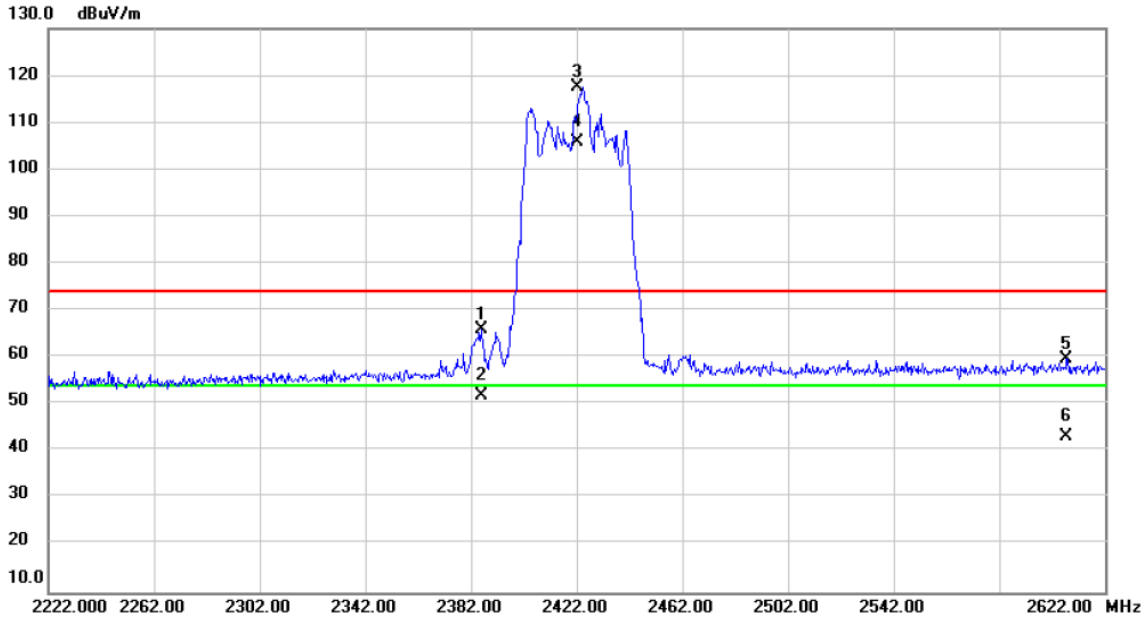
Test Mode	IEEE 802.11ax (HEW20)	Test Date	2020/4/15
Test Frequency	CH11: 2462 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2376.000	28.16	31.32	59.48	74.00	-14.52	peak	
2		2376.000	11.07	31.32	42.39	54.00	-11.61	AVG	
3	X	2462.000	91.67	31.67	123.34	74.00	49.34	peak	No Limit
4	*	2462.000	81.34	31.67	113.01	54.00	59.01	AVG	No Limit
5		2483.600	32.78	31.76	64.54	74.00	-9.46	peak	
6		2483.600	18.60	31.76	50.36	54.00	-3.64	AVG	

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

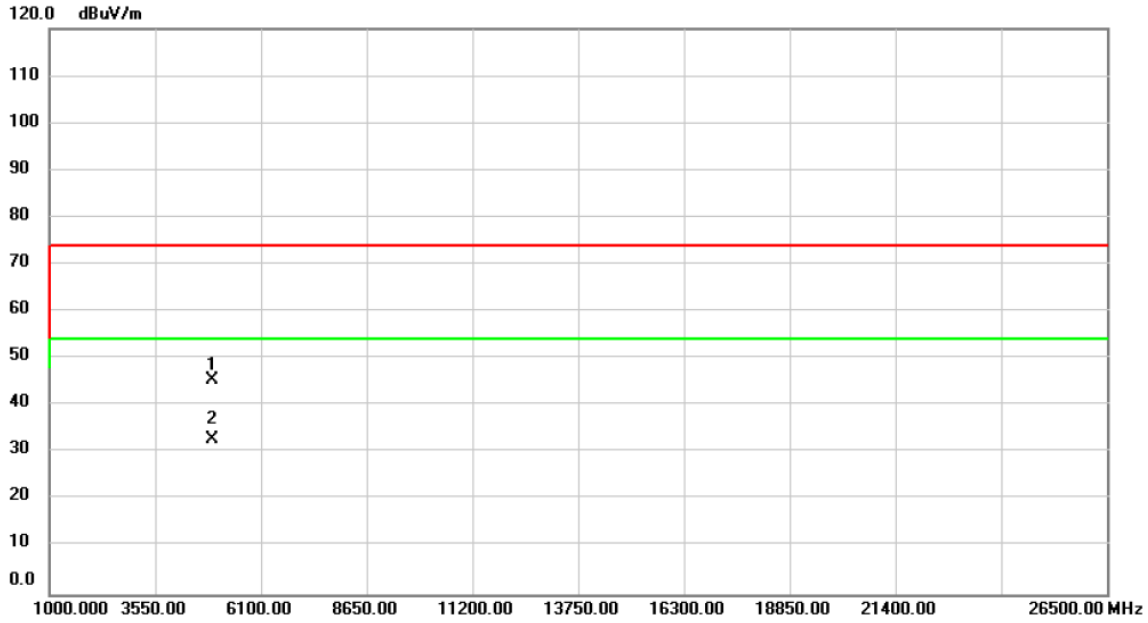
Test Mode	IEEE 802.11ax (HEW40)	Test Date	2020/4/15
Test Frequency	CH03: 2422 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2386.000	34.51	31.37	65.88	74.00	-8.12	peak	
2		2386.000	20.43	31.37	51.80	54.00	-2.20	AVG	
3	X	2422.000	86.11	31.51	117.62	74.00	43.62	peak	No Limit
4	*	2422.000	74.26	31.51	105.77	54.00	51.77	AVG	No Limit
5		2607.600	27.62	32.14	59.76	74.00	-14.24	peak	
6		2607.600	10.96	32.14	43.10	54.00	-10.90	AVG	

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

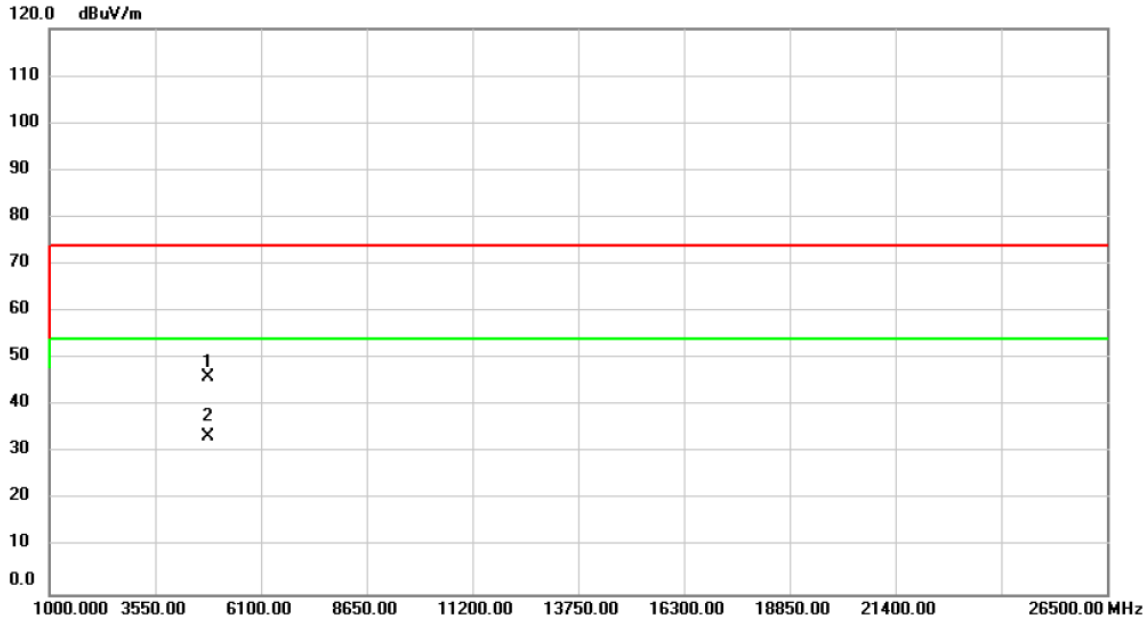
Test Mode	IEEE 802.11g	Test Date	2020/4/15
Test Frequency	CH11: 2462 MHz	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	55.01	-9.56	45.45	74.00	-28.55	peak	
2	*	4924.000	42.43	-9.56	32.87	54.00	-21.13	AVG	

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

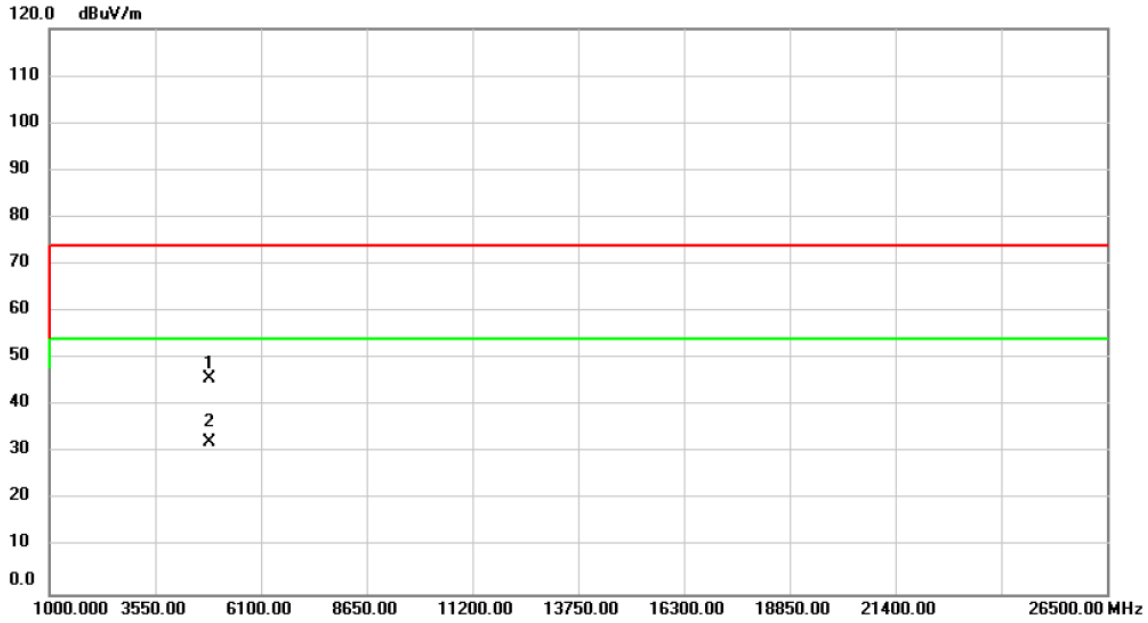
Test Mode	IEEE 802.11g	Test Date	2020/4/15
Test Frequency	CH11: 2462 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.000	55.84	-9.79	46.05	74.00	-27.95	peak	
2	*	4824.000	43.10	-9.79	33.31	54.00	-20.69	AVG	

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

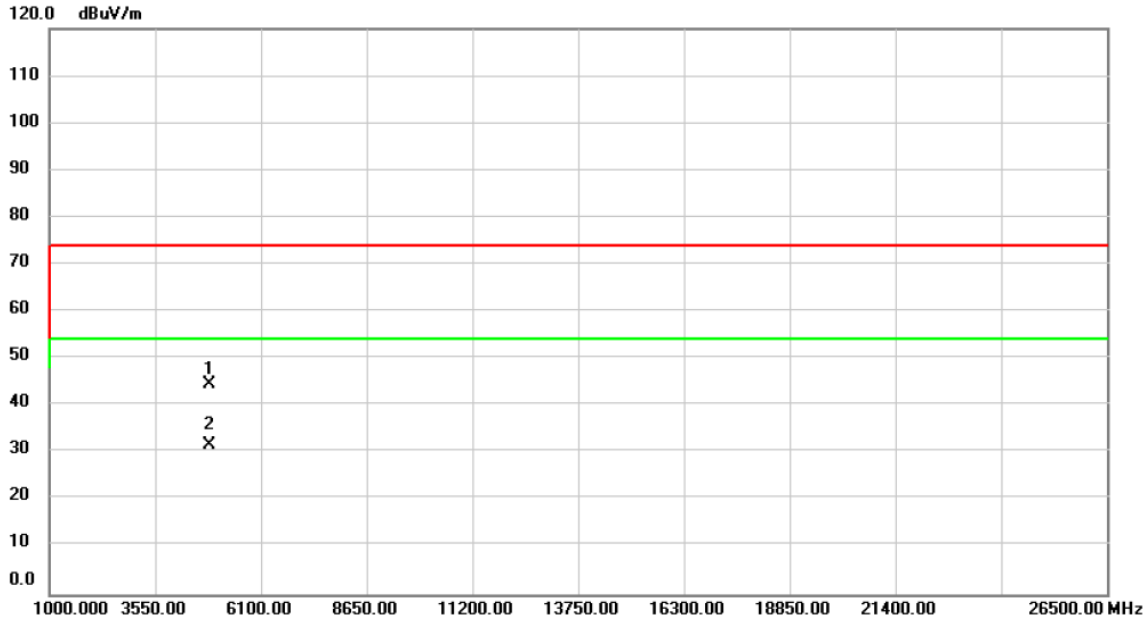
Test Mode	IEEE 802.11n (HT40)	Test Date	2020/4/15
Test Frequency	CH03: 2422 MHz	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4844.000	55.39	-9.74	45.65	74.00	-28.35	peak	
2	*	4844.000	42.14	-9.74	32.40	54.00	-21.60	AVG	

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

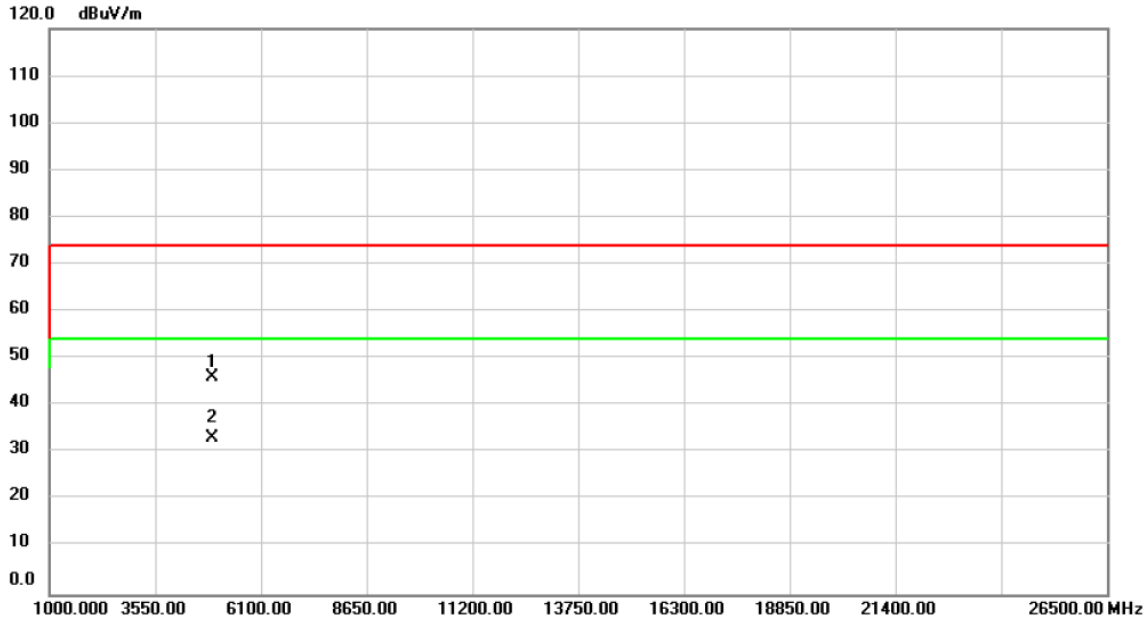
Test Mode	IEEE 802.11n (HT40)	Test Date	2020/4/15
Test Frequency	CH03: 2422 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4844.000	54.40	-9.74	44.66	74.00	-29.34	peak	
2	*	4844.000	41.46	-9.74	31.72	54.00	-22.28	AVG	

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

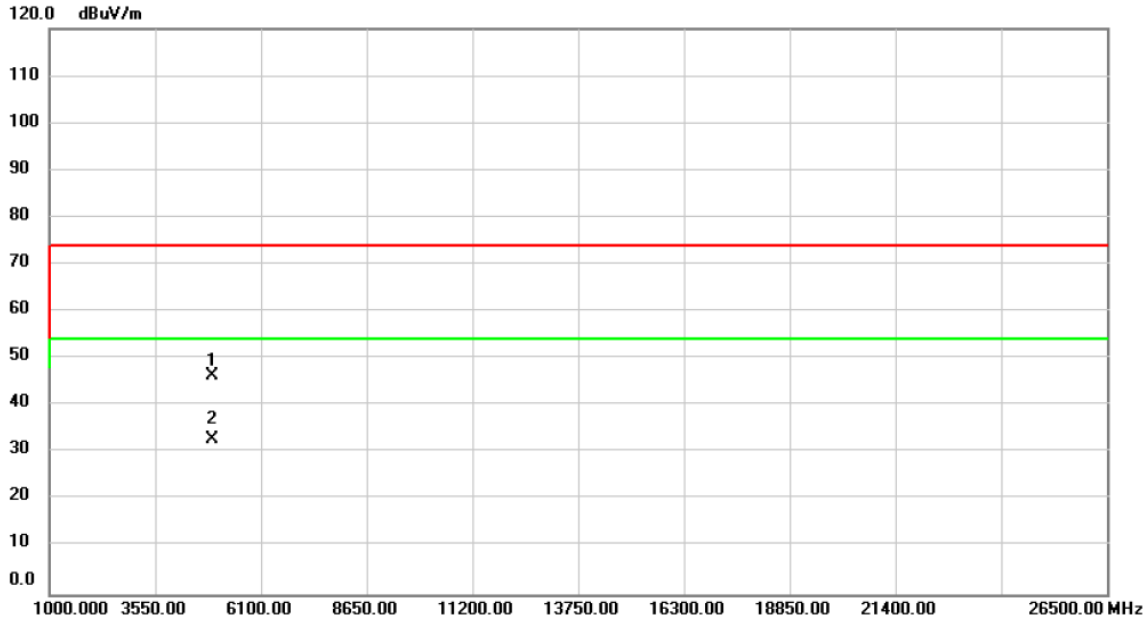
Test Mode	IEEE 802.11ax (HEW20)	Test Date	2020/4/15
Test Frequency	CH11: 2462 MHz	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	55.54	-9.56	45.98	74.00	-28.02	peak	
2	*	4924.000	42.59	-9.56	33.03	54.00	-20.97	AVG	

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

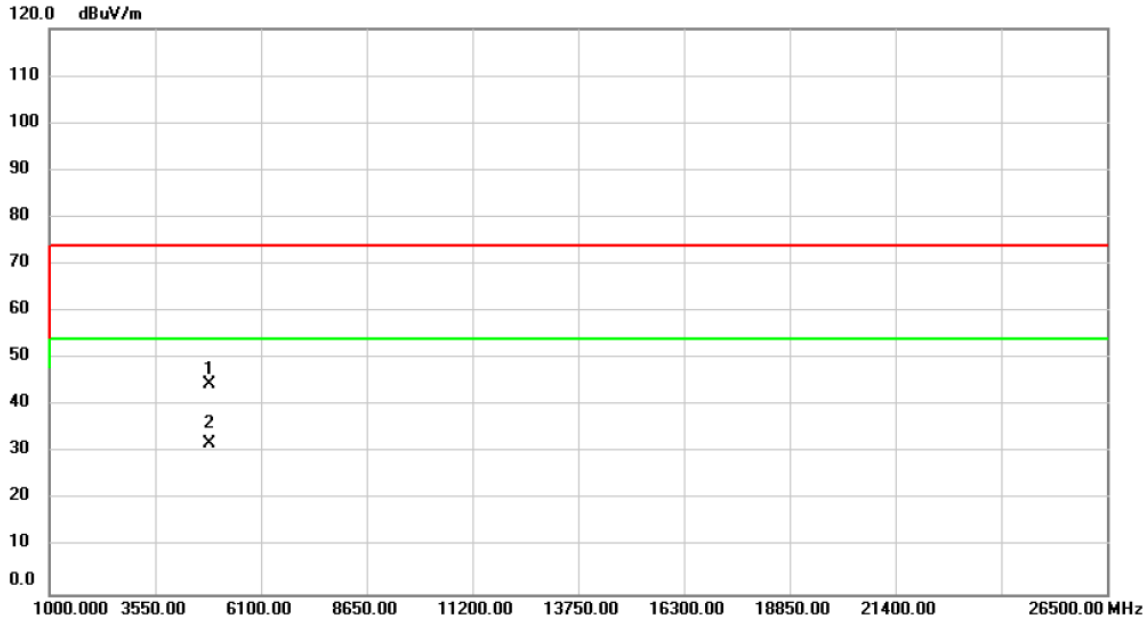
Test Mode	IEEE 802.11ax (HEW20)	Test Date	2020/4/15
Test Frequency	CH11: 2462 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	56.06	-9.56	46.50	74.00	-27.50	peak	
2	*	4924.000	42.47	-9.56	32.91	54.00	-21.09	AVG	

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

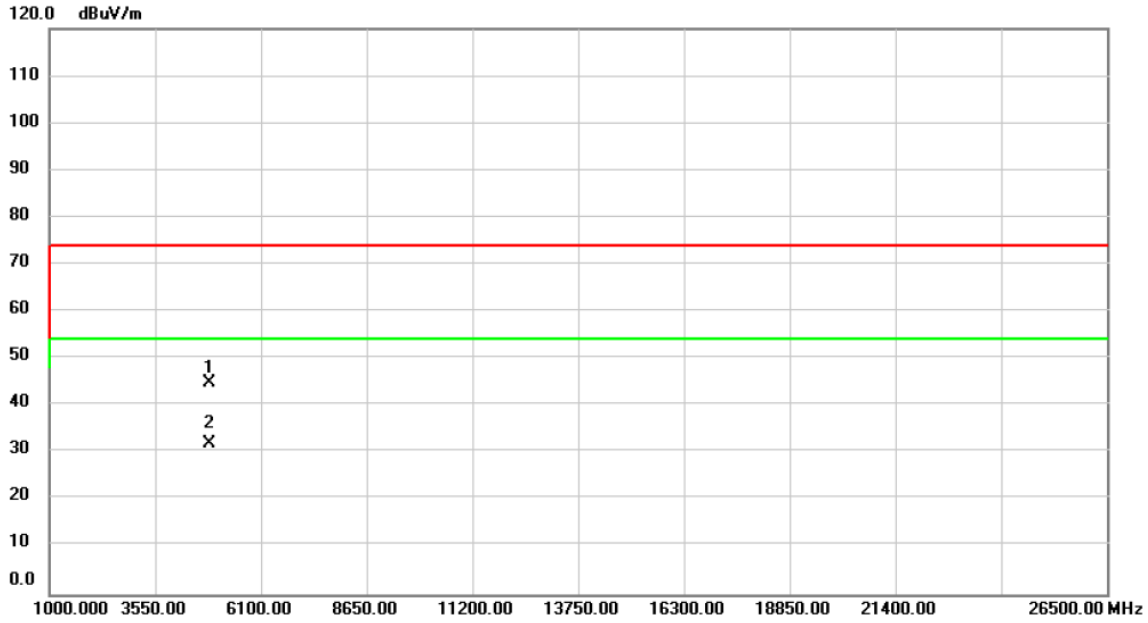
Test Mode	IEEE 802.11ax (HEW40)	Test Date	2020/4/15
Test Frequency	CH03: 2422 MHz	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4844.000	54.30	-9.74	44.56	74.00	-29.44	peak	
2	*	4844.000	41.74	-9.74	32.00	54.00	-22.00	AVG	

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

Test Mode	IEEE 802.11ax (HEW40)	Test Date	2020/4/15
Test Frequency	CH03: 2422 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4844.000	54.59	-9.74	44.85	74.00	-29.15	peak	
2	*	4844.000	41.58	-9.74	31.84	54.00	-22.16	AVG	

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

APPENDIX D OUTPUT POWER

Test Mode :	Non-Beamforming mode	Tested Date	2020/5/12

Mode	Frequency (MHz)	ANT-1		ANT-2		ANT-3		ANT-4		Total Power		Limit		PASS/ FAIL
		Peak		Peak		Peak		Peak		Peak		Peak		
		dBm	W	dBm	W	dBm	W	dBm	W	dBm	W	dBm	W	
802.11b	2412	23.09	0.2037	23.71	0.2350	23.64	0.2312	23.63	0.2307	29.55	0.9005	30.00	1.0000	PASS
802.11g	2412	22.67	0.1849	23.21	0.2094	23.37	0.2173	23.14	0.2061	29.13	0.8177	30.00	1.0000	PASS
802.11n20	2412	22.83	0.1919	23.42	0.2198	23.31	0.2143	23.48	0.2228	29.29	0.8488	30.00	1.0000	PASS
802.11n40	2422	20.62	0.1153	21.32	0.1355	20.85	0.1216	20.74	0.1186	26.91	0.4911	30.00	1.0000	PASS
802.11ac20	2412	22.79	0.1901	23.33	0.2153	23.29	0.2133	23.40	0.2188	29.23	0.8375	30.00	1.0000	PASS
802.11ac40	2422	20.52	0.1127	21.23	0.1327	20.80	0.1202	20.55	0.1135	26.81	0.4792	30.00	1.0000	PASS
802.11ax20	2412	23.61	0.2296	23.55	0.2265	23.12	0.2051	23.58	0.2280	29.49	0.8892	30.00	1.0000	PASS
802.11ax40	2422	20.44	0.1107	20.71	0.1178	20.55	0.1135	20.84	0.1213	26.66	0.4633	30.00	1.0000	PASS

Test Mode :	Beamforming mode	Tested Date	2020/5/12

Mode	Frequency (MHz)	ANT-1		ANT-2		ANT-3		ANT-4		Total Power		Limit		PASS/ FAIL
		Peak		Peak		Peak		Peak		Peak		Peak		
		dBm	W	dBm	W	dBm	W	dBm	W	dBm	W	dBm	W	
802.11b	2412	17.07	0.0509	17.69	0.0587	17.62	0.0578	17.61	0.0577	23.53	0.2252	26.52	0.4487	PASS
802.11g	2412	16.65	0.0462	17.19	0.0524	17.35	0.0543	17.12	0.0515	23.11	0.2044	26.52	0.4487	PASS
802.11n20	2412	16.81	0.0480	17.40	0.0550	17.29	0.0536	17.46	0.0557	23.27	0.2122	26.52	0.4487	PASS
802.11n40	2422	14.60	0.0288	15.30	0.0339	14.83	0.0304	14.72	0.0296	20.89	0.1228	26.52	0.4487	PASS
802.11ac20	2412	16.77	0.0475	17.31	0.0538	17.27	0.0533	17.38	0.0547	23.21	0.2094	26.52	0.4487	PASS
802.11ac40	2422	14.50	0.0282	15.21	0.0332	14.78	0.0301	14.53	0.0284	20.79	0.1198	26.52	0.4487	PASS
802.11ax20	2412	17.59	0.0574	17.53	0.0566	17.10	0.0513	17.56	0.0570	23.47	0.2223	26.52	0.4487	PASS
802.11ax40	2422	14.42	0.0277	14.69	0.0294	14.53	0.0284	14.82	0.0303	20.64	0.1158	26.52	0.4487	PASS

End of Test Report