

FCC Radio Test Report

FCC ID: 2AVVT-AD00A10057

Report No. : BTL-FCCP-7-2004T194
Equipment : Connectivity Control Unit - iTraMS
Model Name : AD00A10057, CU-304-0503
Brand Name : Bosch
Applicant : Robert Bosch Engineering and Business Solutions Private Limited
Address : RBEI/Pac, Ban601, Post Box No 3000 Hosur Road, Adugodi
 Bengaluru 560030 India (Republic Of)

Radio Function : RLAN 5 GHz (U-NII 1, U-NII 2A, U-NII 2C, U-NII 3)

FCC Rule Part(s) : FCC Part15, Subpart E (15.407)
Measurement : ANSI C63.10-2013
Procedure(s)

Date of Receipt : 2020/5/13
Date of Test : 2020/5/13 ~ 2020/7/16
Issued Date : 2020/7/24

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

Prepared by

: Peter Chen
Peter Chen, Engineer

Peter Chen, Engineer

Approved by


Scott Hsu , Manager

Scott Hsu , Manager



BTL Inc.

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

Tel: +886-2-2657-3299

Fax: +886-2-2657-3331

Web: www.newbtl.com

Declaration

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

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

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	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 TEST SOFTWARE SETTING	8
1.5 DUTY CYCLE	9
2 GENERAL INFORMATION	10
2.1 DESCRIPTION OF EUT	10
2.2 TEST MODES	13
2.3 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED	14
2.4 SUPPORT UNITS	14
3 RADIATED EMISSIONS TEST	15
3.1 LIMIT	15
3.2 TEST PROCEDURE	16
3.3 DEVIATION FROM TEST STANDARD	16
3.4 TEST SETUP	17
3.5 EUT OPERATING CONDITIONS	18
3.6 TEST RESULT – 30 MHZ TO 1 GHZ	18
3.7 TEST RESULT – ABOVE 1 GHZ	18
4 BANDWIDTH TEST	19
4.1 LIMIT	19
4.2 TEST PROCEDURE	19
4.3 DEVIATION FROM TEST STANDARD	19
4.4 TEST SETUP	19
4.5 EUT OPERATING CONDITIONS	19
4.6 TEST RESULT	19
5 OUTPUT POWER TEST	20
5.1 LIMIT	20
5.2 TEST PROCEDURE	20
5.3 DEVIATION FROM TEST STANDARD	20
5.4 TEST SETUP	20
5.5 EUT OPERATING CONDITIONS	20
5.6 TEST RESULT	20
6 POWER SPECTRAL DENSITY	21
6.1 LIMIT	21
6.2 TEST PROCEDURE	21
6.3 DEVIATION FROM TEST STANDARD	21
6.4 TEST SETUP	21
6.5 EUT OPERATING CONDITIONS	21
6.6 TEST RESULT	21
7 LIST OF MEASURING EQUIPMENTS	22
8 EUT TEST PHOTO	23
9 EUT PHOTOS	23
APPENDIX A RADIATED EMISSIONS - 30 MHZ TO 1 GHZ	24
APPENDIX B RADIATED EMISSIONS - ABOVE 1 GHZ	27

APPENDIX C	BANDWIDTH	118
APPENDIX D	CONDUCTED OUTPUT POWER	131
APPENDIX E	POWER SPECTRAL DENSITY	137

REPORT ISSUED HISTORY

Report Version	Description	Issued Date
R00	Original Issue.	2020/7/22
R01	Revised report to address TCB's comments.	2020/7/23
R02	Revised report to address TCB's comments.	2020/7/24

1 SUMMARY OF TEST RESULTS

Test procedures according to the technical standards.

FCC Part 15, Subpart E (15.407)				
Standard(s) Section	Description	Test Result	Judgement	Remark
15.207	AC Power Line Conducted Emissions	-----	N/A	Note(1)
15.205 15.209 15.407(b)	Radiated Emissions	APPENDIX A APPENDIX B	Pass	-----
15.407(a)	Bandwidth	APPENDIX C	Pass	-----
15.407(a)	Output Power	APPENDIX D	Pass	-----
15.407(a)	Power Spectral Density	APPENDIX E	Pass	-----
15.203	Antenna Requirement	-----	Pass	-----
15.407(c)	Automatically Discontinue Transmission	-----	Pass	NOTE (3)

NOTE:

- (1) "N/A" denotes test is not applicable in this Test Report.
- (2) The report format version is TP.1.1.1.
- (3) The EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.

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. Radiated emissions test :

Test Site	Measurement Frequency Range	U_1 (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

B. Conducted test :

Test Item	U_1 (dB)
Bandwidth	1.13
Output power	1.07
Power Spectral Density	1.20
Conducted Band edges	1.13
Frequency Stability	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	Tested by
Radiated emissions below 1 GHz	22 °C, 65 %	Hunter Chiang
Radiated emissions above 1 GHz	22 °C, 61 %	Hunter Chiang
Bandwidth	23.5 °C, 49 %	William Wei
Output Power	23.5 °C, 49 %	William Wei
Power Spectral Density	23.5 °C, 49 %	William Wei

1.4 TABLE OF PARAMETERS OF TEST SOFTWARE SETTING

UNII-1				
Test Software	CMD			
Mode	5180 MHz	5200 MHz	5240 MHz	Data Rate
IEEE 802.11a	13	16	16	6 Mbps
IEEE 802.11n (HT20)	13	16	16	MCS 0
IEEE 802.11ac (VHT20)	13	16	16	MCS 0
Mode	5190 MHz	5230 MHz		Data Rate
IEEE 802.11n (HT40)	16	16		MCS 0
IEEE 802.11ac (VHT40)	16	16		MCS 0

UNII-2A				
Test Software	CMD			
Mode	5260 MHz	5300 MHz	5320 MHz	Data Rate
IEEE 802.11a	16	16	12	6 Mbps
IEEE 802.11n (HT20)	16	16	12	MCS 0
IEEE 802.11ac (VHT20)	16	16	12	MCS 0
Mode	5270 MHz	5310 MHz		Data Rate
IEEE 802.11n (HT40)	15	8		MCS 0
IEEE 802.11ac (VHT40)	15	8		MCS 0

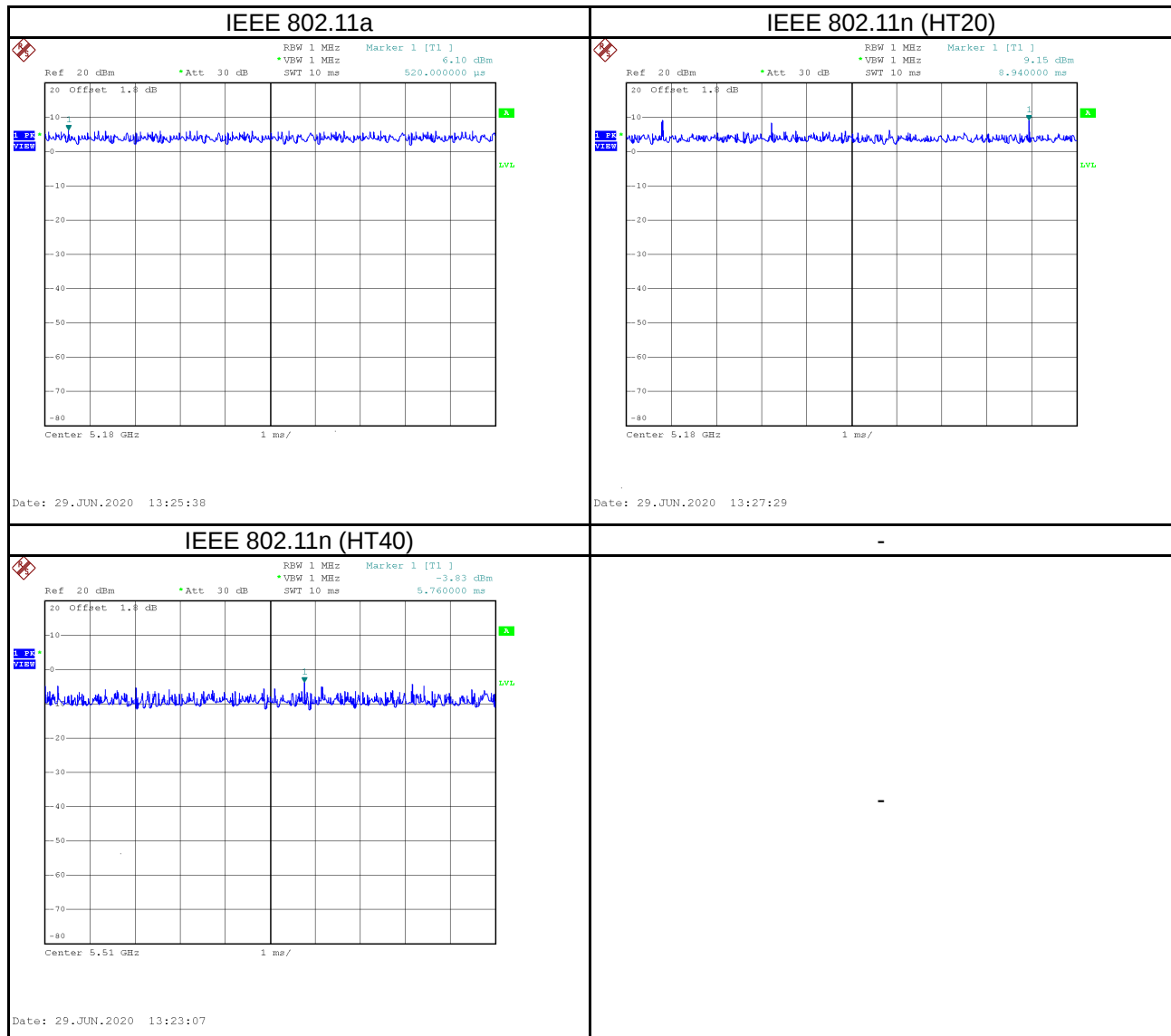
UNII-2C				
Test Software	CMD			
Mode	5500 MHz	5580 MHz	5700 MHz	Data Rate
IEEE 802.11a	12	16	12	6 Mbps
IEEE 802.11n (HT20)	13	16	12	MCS 0
IEEE 802.11ac (VHT20)	13	16	12	MCS 0
Mode	5510 MHz	5550 MHz	5670 MHz	Data Rate
IEEE 802.11n (HT40)	11	16	10	MCS 0
IEEE 802.11ac (VHT40)	11	16	10	MCS 0

UNII-3				
Test Software	CMD			
Mode	5745 MHz	5785 MHz	5825 MHz	Data Rate
IEEE 802.11a	12	16	13	6 Mbps
IEEE 802.11n (HT20)	13	16	13	MCS 0
IEEE 802.11ac (VHT20)	13	16	13	MCS 0
Mode	5755 MHz	5795 MHz		Data Rate
IEEE 802.11n (HT40)	10	10		MCS 0
IEEE 802.11ac (VHT40)	10	10		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 802.11a	1.000	1	1.000	1.000	100.00%	0.00
IEEE 802.11n (HT20)	1.000	1	1.000	1.000	100.00%	0.00
IEEE 802.11n (HT40)	1.000	1	1.000	1.000	100.00%	0.00

2 GENERAL INFORMATION

2.1 DESCRIPTION OF EUT

Equipment	Connectivity Control Unit - iTraMS
Model Name	AD00A10057, CU-304-0503
Brand Name	Bosch
Model Difference	Different model distribute to different area.
Power Source	Supplied from Battery.
Power Rating	DC 9-32V
Products Covered	N/A
Hardware Version	B2LTE
Software Version	CCU_REL9.0 (uuu_512MB_FCC_wifi100_eMMC166_OnEngine)
RAM and eMMC details	512MB and 8GB
Frequency Range	UNII-1: 5150 MHz to 5250 MHz UNII-2A: 5250 MHz to 5350 MHz UNII-2C: 5470 MHz to 5725 MHz UNII-3: 5725 MHz to 5850 MHz
Operation Frequency	UNII-1: 5180 MHz to 5240 MHz UNII-2A: 5260 MHz to 5320 MHz UNII-2C: 5500 MHz to 5700 MHz UNII-3: 5745 MHz to 5825 MHz
Modulation Technology	OFDM
Transfer Rate	up to 150 Mbps
Output Power Max. for UNII-1	IEEE 802.11a: 17.77 dBm (0.0598 W) IEEE 802.11n (HT20): 17.99 dBm (0.0630 W) IEEE 802.11n (HT40): 17.19 dBm (0.0524 W) IEEE 802.11ac (VHT20): 18.09 dBm (0.0644 W) IEEE 802.11ac (VHT40): 17.17 dBm (0.0521 W)
Output Power Max. for UNII-2A	IEEE 802.11a: 17.83 dBm (0.0607 W) IEEE 802.11n (HT20): 18.01 dBm (0.0632 W) IEEE 802.11n (HT40): 16.75 dBm (0.0473 W) IEEE 802.11ac (VHT20): 18.04 dBm (0.0637 W) IEEE 802.11ac (VHT40): 16.61 dBm (0.0458 W)
Output Power Max. for UNII-2C	IEEE 802.11a: 16.44 dBm (0.0441 W) IEEE 802.11n (HT20): 16.55 dBm (0.0452 W) IEEE 802.11n (HT40): 16.16 dBm (0.0413 W) IEEE 802.11ac (VHT20): 16.72 dBm (0.0470 W) IEEE 802.11ac (VHT40): 16.24 dBm (0.0421 W)
Output Power Max. for UNII-3	IEEE 802.11a: 13.50 dBm (0.0224 W) IEEE 802.11n (HT20): 13.68 dBm (0.0233 W) IEEE 802.11n (HT40): 8.55 dBm (0.0072 W) IEEE 802.11ac (VHT20): 13.62 dBm (0.0230 W) IEEE 802.11ac (VHT40): 8.53 dBm (0.0071 W)
Test Model	AD00A10057
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:

UNII-1			
IEEE 802.11a IEEE 802.11n (HT20) IEEE 802.11ac (VHT20)		IEEE 802.11n (HT40) IEEE 802.11ac (VHT40)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	38	5190
40	5200	46	5230
44	5220		
48	5240		

UNII-2A			
IEEE 802.11a IEEE 802.11n (HT20) IEEE 802.11ac (VHT20)		IEEE 802.11n (HT40) IEEE 802.11ac (VHT40)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
52	5260	54	5270
56	5280	62	5310
60	5300		
64	5320		

UNII-2C			
IEEE 802.11a IEEE 802.11n (HT20) IEEE 802.11ac (VHT20)		IEEE 802.11n (HT40) IEEE 802.11ac (VHT40)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
100	5500	102	5510
104	5520	110	5550
108	5540	118	5590
112	5560	126	5630
116	5580	134	5670
120	5600		
124	5620		
128	5640		
132	5660		
136	5680		
140	5700		

UNII-3			
IEEE 802.11a IEEE 802.11n (HT20) IEEE 802.11ac (VHT20)		IEEE 802.11n (HT40) IEEE 802.11ac (VHT40)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
149	5745	151	5755
153	5765	159	5795
157	5785		
161	5805		
165	5825		

(3) Table for Filed Antenna:

Ant.	Brand	Part number	Antenna Type	Connector	Gain (dBi)
CH0		146153	Dipole (Internal)	Compatible I-PEX MHF I & MMCX-JW	4.1

1. For 15.407 requirement that the maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon less 125 mW (21 dBm).
2. According Antenna spec report that showing 5500 MHz is the worst case which has higher gain that those in 5150 -5250 MHz, and the gain is less 5dBi.

2.2 TEST MODES

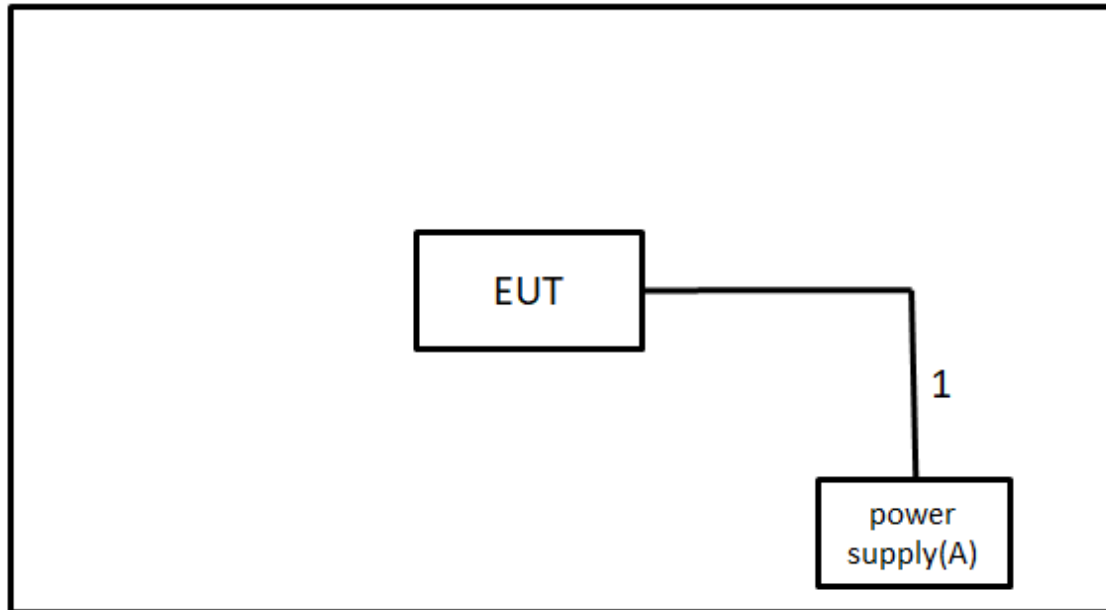
Test Items	Test mode	Channel	Note
Transmitter Radiated Emissions (below 1GHz)	TX Mode_IEEE 802.11n (HT40)	38	-
Transmitter Radiated Emissions (above 1GHz)	TX Mode_IEEE 802.11a	36/40/48 52/60/64	-
	TX Mode_IEEE 802.11n (HT20)	100/116/140 149/157/165	
	TX Mode_IEEE 802.11n (HT40)	38/46/54/62 102/110/134 151/159	-
Bandwidth	TX Mode_IEEE 802.11a	36/40/48 52/60/64	-
	TX Mode_IEEE 802.11n (HT20)	100/116/140 149/157/165	
	TX Mode_IEEE 802.11n (HT40)	38/46/54/62 102/110/134 151/159	
Output Power	TX Mode_IEEE 802.11a	36/40/48 52/60/64	-
	TX Mode_IEEE 802.11n (HT20)	100/116/140	
	TX Mode_IEEE 802.11ac (VHT20)	149/157/165	
	TX Mode_IEEE 802.11n (HT40) TX Mode_IEEE 802.11ac (VHT40)	38/46/54/62 102/110/134 151/159	
Power Spectral Density	TX Mode_IEEE 802.11a	36/40/48 52/60/64	-
	TX Mode_IEEE 802.11n (HT20)	100/116/140 149/157/165	
	TX Mode_IEEE 802.11n (HT40)	38/46/54/62 102/110/134 151/159	

NOTE:

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

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	Power supply	Twinex	TP-6010	N/A	Furnished by test lab.

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

3 RADIATED EMISSIONS TEST

3.1 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 UNWANTED EMISSION OUT OF THE RESTRICTED BANDS

Frequency (MHz)	EIRP Limit (dBm)	Equivalent Field Strength at 3m (dBμV/m)
5150-5250	-27	68.3
5250-5350	-27	68.3
5470-5725	-27	68.3
5725-5850	-27 (NOTE 2)	68.3
	10 (NOTE 2)	105.3
	15.6 (NOTE 2)	110.9
	27 (NOTE 2)	122.3

NOTE:

- (1) The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

$$E = \frac{1000000\sqrt{30P}}{3} \mu\text{V/m, where P is the eirp (Watts)}$$

- (2) According to FCC 16-24, All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

- (3) 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
36.23	+	-11.97	=	24.26

Measurement Value		Limit Value		Margin Level
24.26	-	40	=	-15.74

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

3.2 TEST PROCEDURE

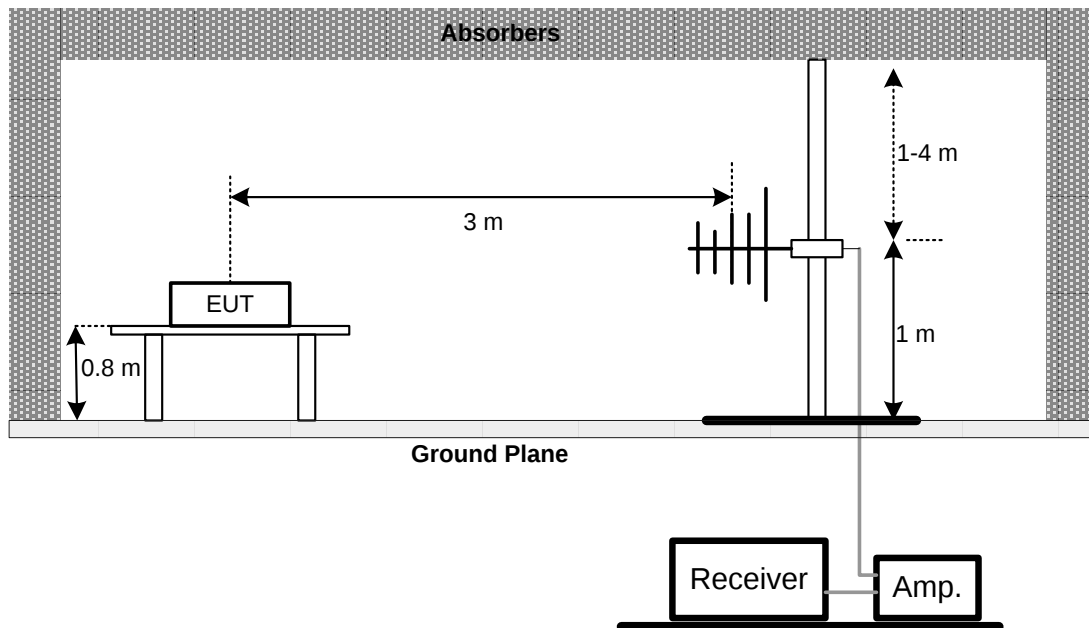
- The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- The measuring distance of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

3.3 DEVIATION FROM TEST STANDARD

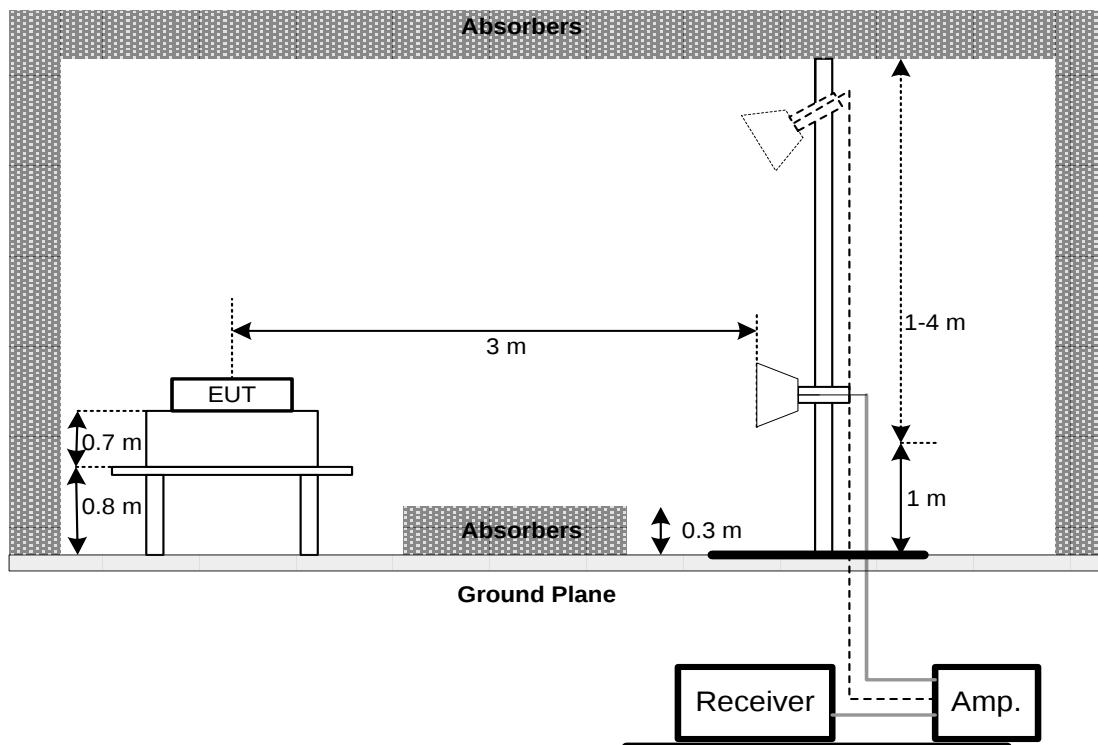
No deviation.

3.4 TEST SETUP

30 MHz to 1 GHz



Above 1 GHz



3.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

3.6 TEST RESULT – 30 MHZ TO 1 GHZ

Please refer to the APPENDIX A.

3.7 TEST RESULT – ABOVE 1 GHZ

Please refer to the APPENDIX B.

NOTE:

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

4 BANDWIDTH TEST

4.1 LIMIT

FCC Part15, Subpart E (15.407)		
Section	Test Item	Frequency Range (MHz)
15.407(a)	26 dB Bandwidth	5150-5250
		5250-5350
		5470-5725
	Minimum 500 kHz 6 dB Bandwidth	5725-5850

4.2 TEST PROCEDURE

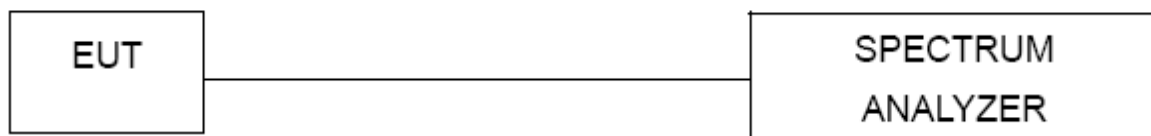
- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- Spectrum Setting:

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	> 26 dB Bandwidth
RBW	300 kHz(Bandwidth 20 MHz) 1 MHz(Bandwidth 40 MHz and 80 MHz)
VBW	1 MHz(Bandwidth 20 MHz) 3 MHz(Bandwidth 40 MHz and 80 MHz)
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

4.3 DEVIATION FROM TEST STANDARD

No deviation.

4.4 TEST SETUP



4.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

4.6 TEST RESULT

Please refer to the APPENDIX C.

5 OUTPUT POWER TEST

5.1 LIMIT

FCC Part15, Subpart E (15.407)			
Section	Test Item	Limit	Frequency Range (MHz)
15.407(a)	Maximum Output Power	Fixed:1 Watt (30 dBm) Mobile and portable: 250 mW (24 dBm)	5150-5250
		250 mW (24 dBm)	5250-5350
			5470-5725
		1 Watt (30dBm)	5725-5850

Note: The maximum e.i.r.p at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW(21 dBm).

5.2 TEST PROCEDURE

- The EUT was directly connected to the power meter and antenna output port as show in the block diagram below.
- Spectrum Setting:

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	Encompass the entire emissions bandwidth (EBW) of the signal
RBW	= 1 MHz
VBW	≥ 3 MHz
Detector	RMS
Trace	Max Hold
Sweep Time	auto

- The maximum peak conducted output power was performed in accordance with method of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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 POWER SPECTRAL DENSITY

6.1 LIMIT

FCC Part15, Subpart E (15.407)			
Section	Test Item	Limit	Frequency Range (MHz)
15.407(a)	Power Spectral Density	Other than Mobile and portable: 17 dBm/MHz	5150-5250
		Mobile and portable: 11 dBm/MHz	
		11 dBm/MHz	5250-5350
		30 dBm/500 kHz	5470-5725
			5725-5850

6.2 TEST PROCEDURE

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

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	Encompass the entire emissions bandwidth (EBW) of the signal
RBW	= 1 MHz
VBW	≥ 3 MHz
Detector	RMS
Trace	Max Hold
Sweep Time	Auto

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 LIST OF MEASURING EQUIPMENTS

Radiated Emissions						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Preamplifier	EMCI	EMC001340	980555	2020/4/10	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-01783	2019/8/14	2020/8/13
12	Horn Ant	Schwarzbeck	BBHA 9170	187	2019/12/21	2020/12/20
13	Trilog-Broadband Antenna	Schwarzbeck	VULB 9168	000352	2019/7/31	2020/7/30
14	5dB Attenuator	EMCI	EMCI-N-6-05	AT-N0625	2019/7/31	2020/7/30

Bandwidth						
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

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

Power Spectral Density						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Spectrum Analyzer	R&S	FSP40	100129	2020/5/22	2021/5/21

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

8 EUT TEST PHOTO

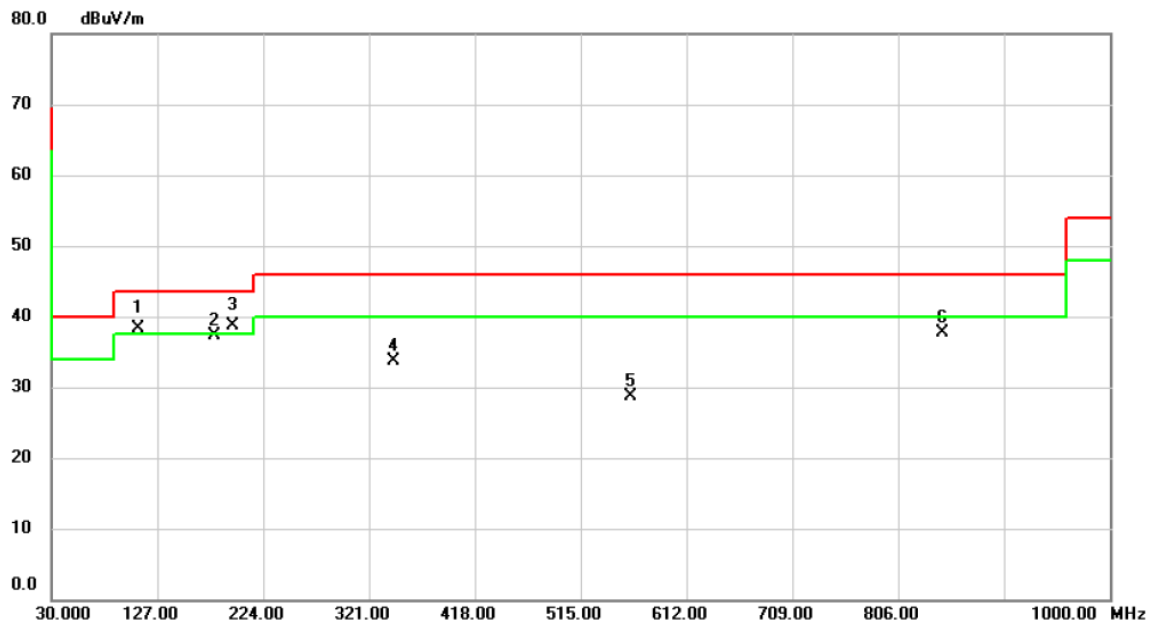
Please refer to document Appendix No.: TP-2004T194-FCCP-1 (APPENDIX-TEST PHOTOS).

9 EUT PHOTOS

Please refer to document Appendix No.: EP-2004T194-1 (APPENDIX-EUT PHOTOS).

APPENDIX A RADIATED EMISSIONS - 30 MHZ TO 1 GHZ

Test Mode	UNII-1_ IEEE 802.11n (HT40)	Test Date	2020/7/16
Test Frequency	CH38: 5190 MHz	Polarization	Vertical

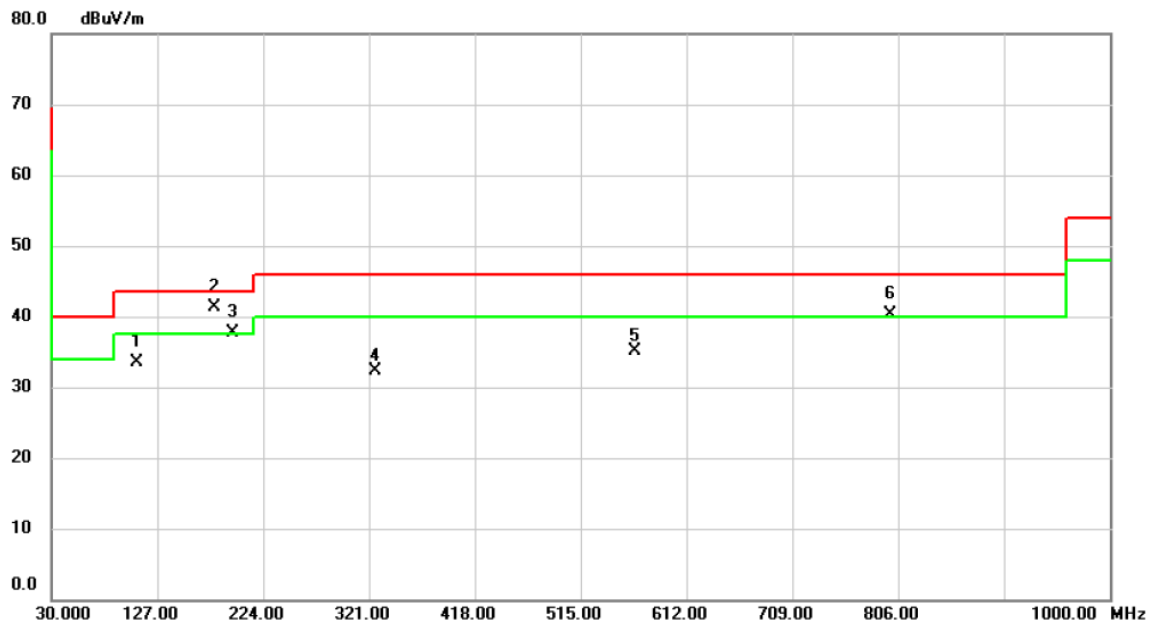


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	!	109.5400	50.27	-11.89	38.38	43.50	-5.12	QP	
2		179.3800	46.72	-9.34	37.38	43.50	-6.12	peak	
3	*	195.8700	49.13	-10.38	38.75	43.50	-4.75	QP	
4		343.3100	39.84	-6.20	33.64	46.00	-12.36	peak	
5		560.5900	29.62	-1.00	28.62	46.00	-17.38	peak	
6		846.7400	33.95	3.66	37.61	46.00	-8.39	peak	

REMARKS:

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

Test Mode	UNII-1_ IEEE 802.11n (HT40)	Test Date	2020/7/16
Test Frequency	CH38: 5190 MHz	Polarization	Horizontal



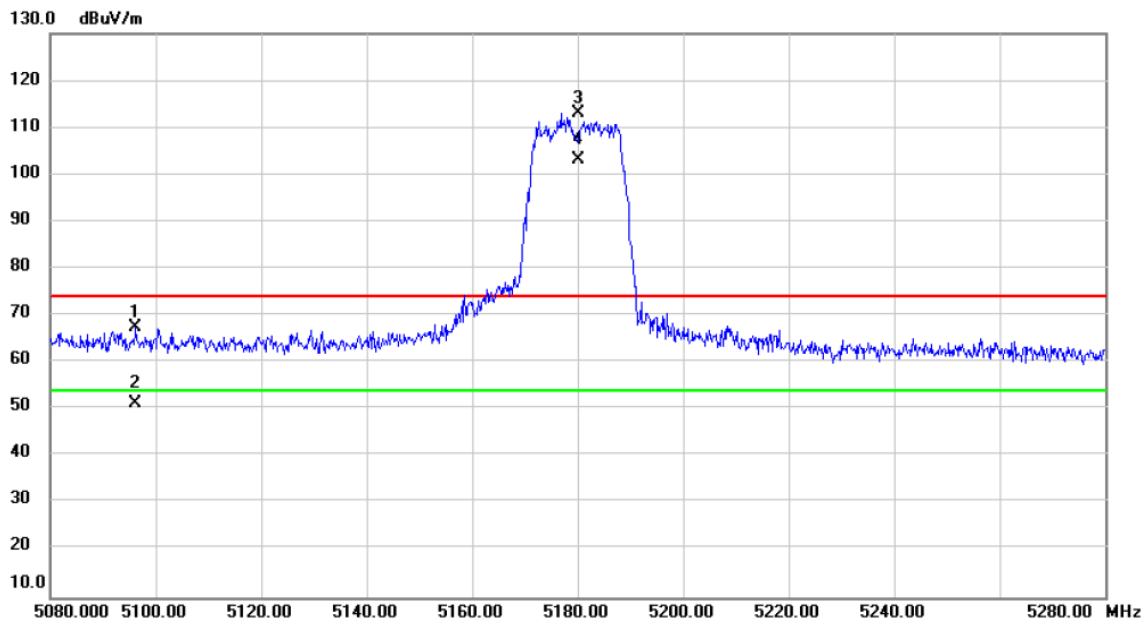
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		107.6000	45.61	-12.15	33.46	43.50	-10.04	QP	
2	*	179.3800	50.66	-9.34	41.32	43.50	-2.18	QP	
3	!	195.8700	48.04	-10.38	37.66	43.50	-5.84	QP	
4		326.8200	38.82	-6.59	32.23	46.00	-13.77	peak	
5		564.4700	36.03	-0.89	35.14	46.00	-10.86	peak	
6	!	798.2400	37.34	2.95	40.29	46.00	-5.71	QP	

REMARKS:

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

APPENDIX B RADIATED EMISSIONS - ABOVE 1 GHZ

Test Mode	UNII-1_ IEEE 802.11a	Test Date	2020/7/16
Test Frequency	CH36: 5180 MHz	Polarization	Vertical

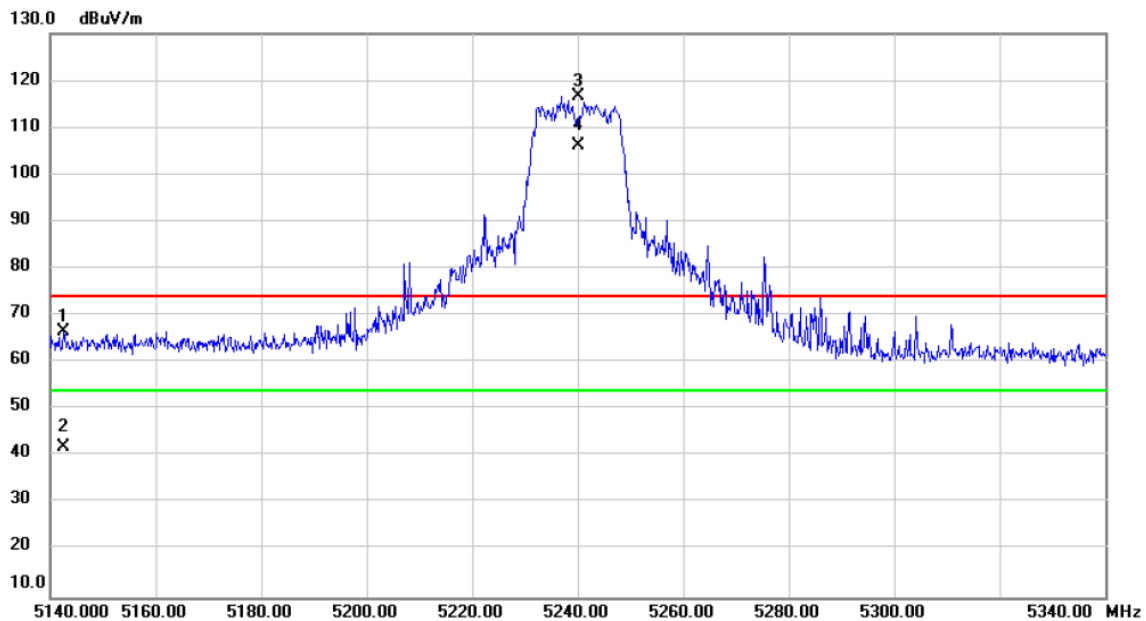


No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over		
		MHz	Level	Factor	ment			Detector	Comment
			dBuV	dB	dBuV/m	dBuV/m	dB		
1		5096.200	29.46	38.03	67.49	74.00	-6.51	peak	
2		5096.200	13.23	38.03	51.26	54.00	-2.74	AVG	
3	X	5180.000	74.83	38.09	112.92	74.00	38.92	peak	No Limit
4	*	5180.000	64.99	38.09	103.08	54.00	49.08	AVG	No Limit

REMARKS:

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

Test Mode	UNII-1_ IEEE 802.11a	Test Date	2020/7/16
Test Frequency	CH48: 5240 MHz	Polarization	Vertical

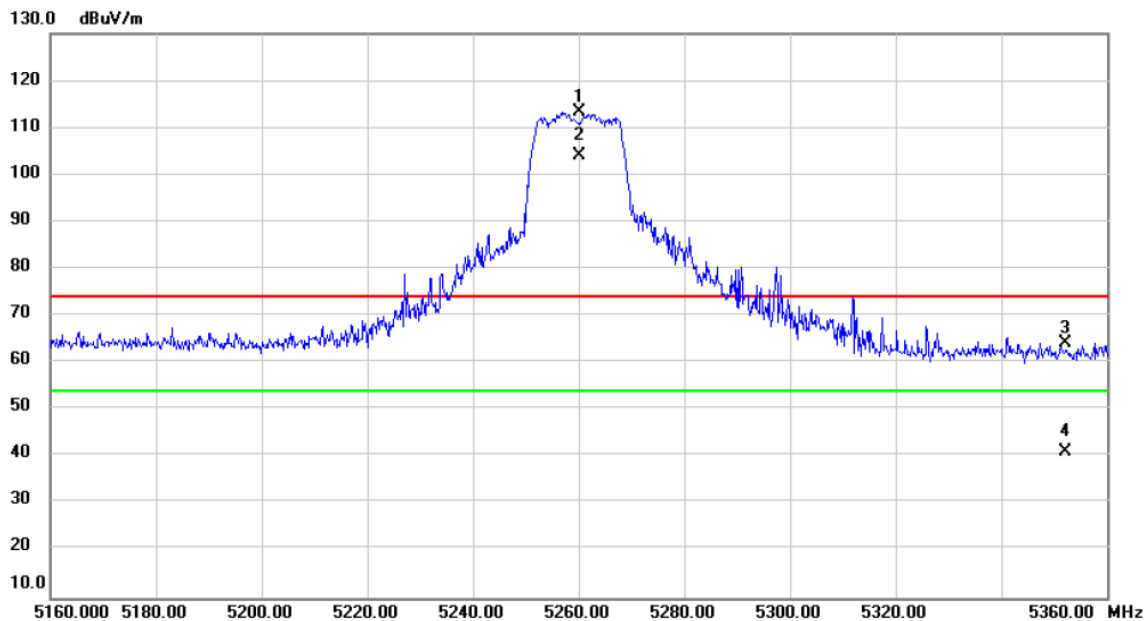


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5142.600	28.59	38.07	66.66	74.00	-7.34	peak	
2		5142.600	3.74	38.07	41.81	54.00	-12.19	AVG	
3	X	5240.000	78.42	38.13	116.55	74.00	42.55	peak	No Limit
4	*	5240.000	68.13	38.13	106.26	54.00	52.26	AVG	No Limit

REMARKS:

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

Test Mode	UNII-2A_ IEEE 802.11a	Test Date	2020/7/7
Test Frequency	CH52: 5260 MHz	Polarization	Vertical

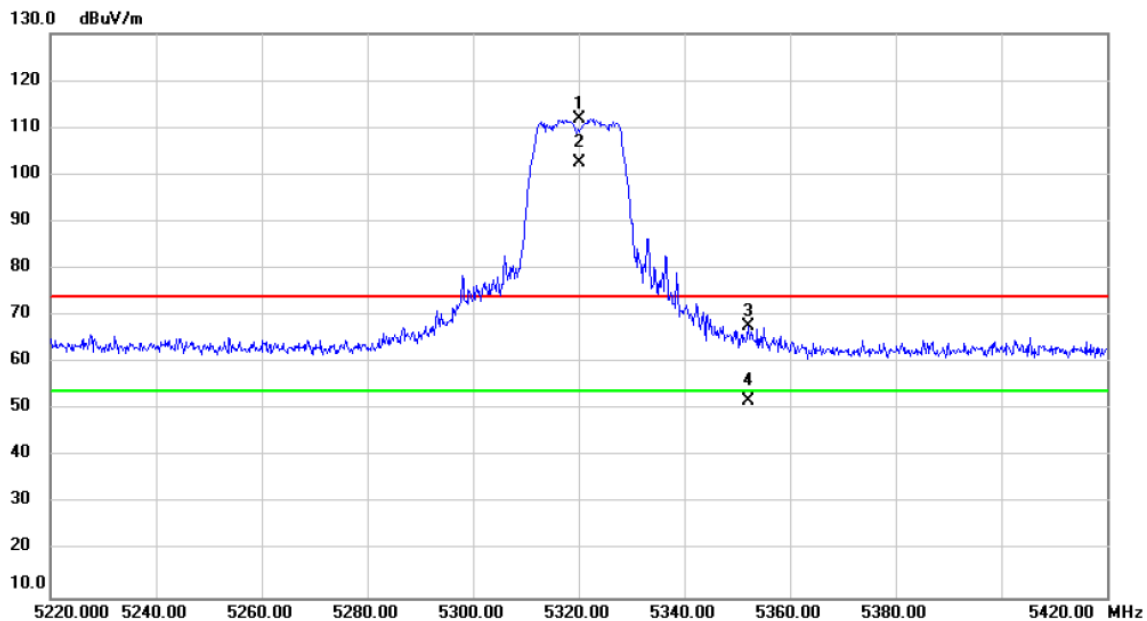


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5260.000	75.73	37.50	113.23	74.00	39.23	peak	No Limit
2	*	5260.000	66.46	37.50	103.96	54.00	49.96	AVG	No Limit
3		5352.180	26.69	37.58	64.27	74.00	-9.73	peak	
4		5352.180	3.60	37.58	41.18	54.00	-12.82	AVG	

REMARKS:

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

Test Mode	UNII-2A_ IEEE 802.11a	Test Date	2020/7/7
Test Frequency	CH64: 5320 MHz	Polarization	Vertical

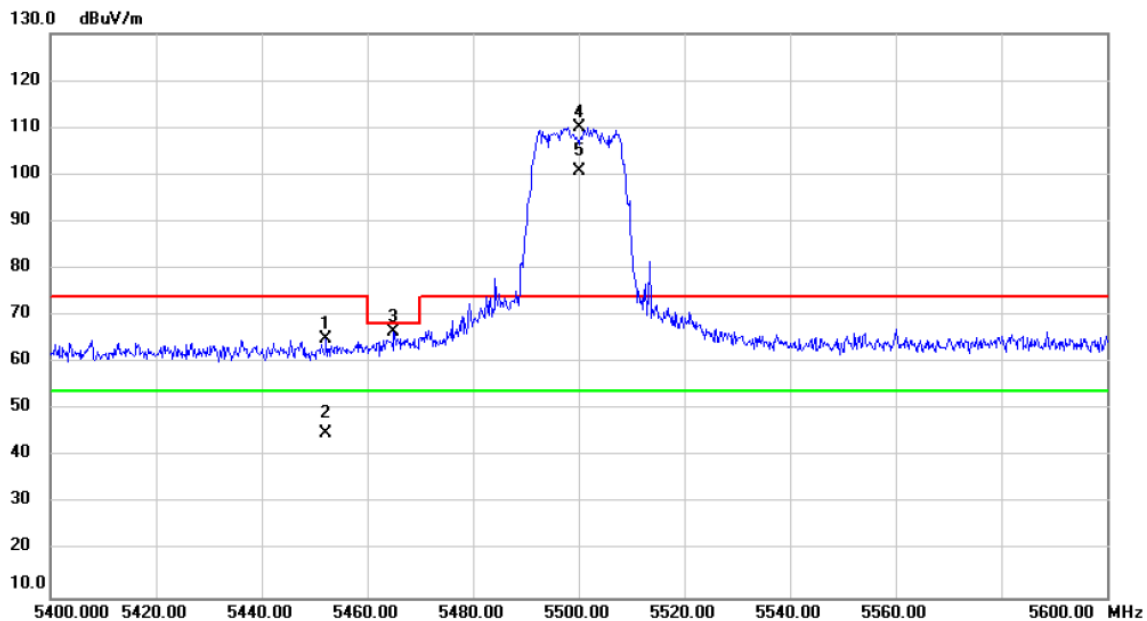


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5320.000	74.38	37.55	111.93	74.00	37.93	peak	No Limit
2	*	5320.000	64.94	37.55	102.49	54.00	48.49	AVG	No Limit
3		5352.000	30.26	37.58	67.84	74.00	-6.16	peak	
4		5352.000	14.17	37.58	51.75	54.00	-2.25	AVG	

REMARKS:

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

Test Mode	UNII-2C_ IEEE 802.11a	Test Date	2020/7/7
Test Frequency	CH100: 5500 MHz	Polarization	Vertical

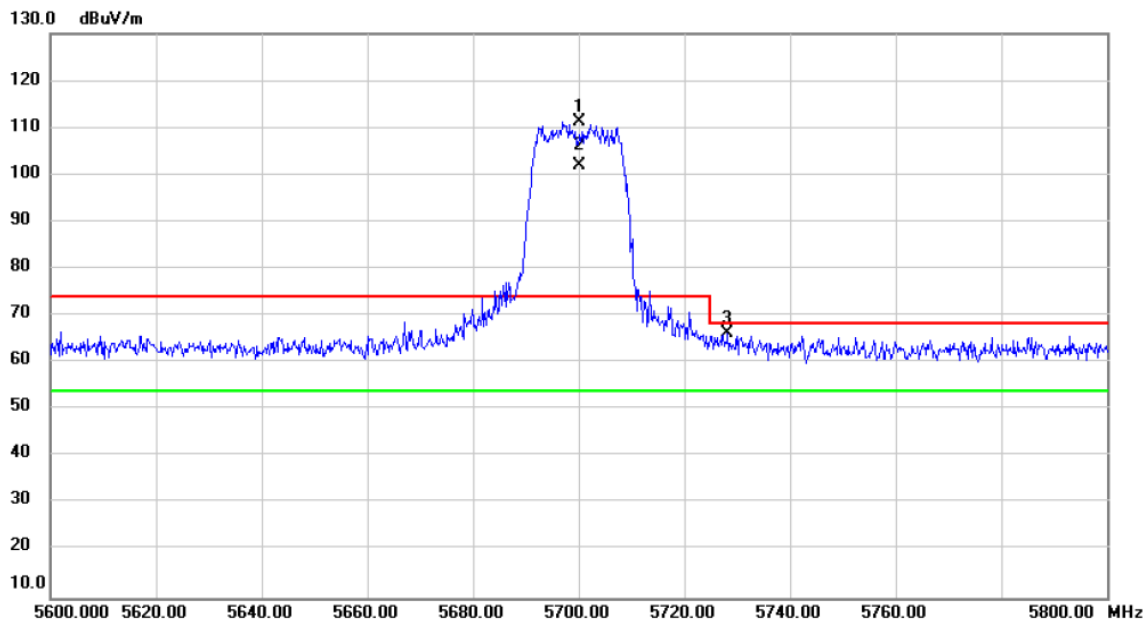


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5452.200	27.37	37.67	65.04	74.00	-8.96	peak	
2		5452.200	7.19	37.67	44.86	54.00	-9.14	AVG	
3		5465.000	28.87	37.68	66.55	68.20	-1.65	peak	
4	X	5500.000	72.27	37.71	109.98	74.00	35.98	peak	No Limit
5	*	5500.000	63.01	37.71	100.72	54.00	46.72	AVG	No Limit

REMARKS:

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

Test Mode	UNII-2C_ IEEE 802.11a	Test Date	2020/7/8
Test Frequency	CH140: 5700 MHz	Polarization	Vertical

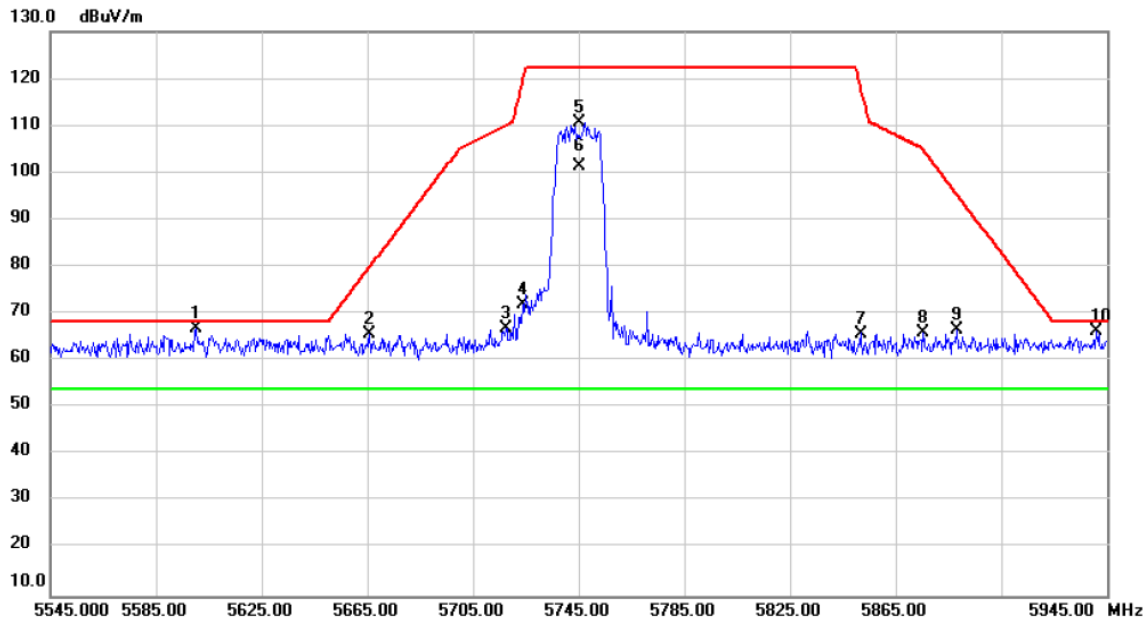


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5700.000	72.94	38.18	111.12	74.00	37.12	peak	No Limit
2	*	5700.000	63.64	38.18	101.82	54.00	47.82	AVG	No Limit
3		5728.200	27.93	38.24	66.17	68.20	-2.03	peak	

REMARKS:

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

Test Mode	UNII-3_ IEEE 802.11a	Test Date	2020/7/8
Test Frequency	CH149: 5745 MHz	Polarization	Vertical

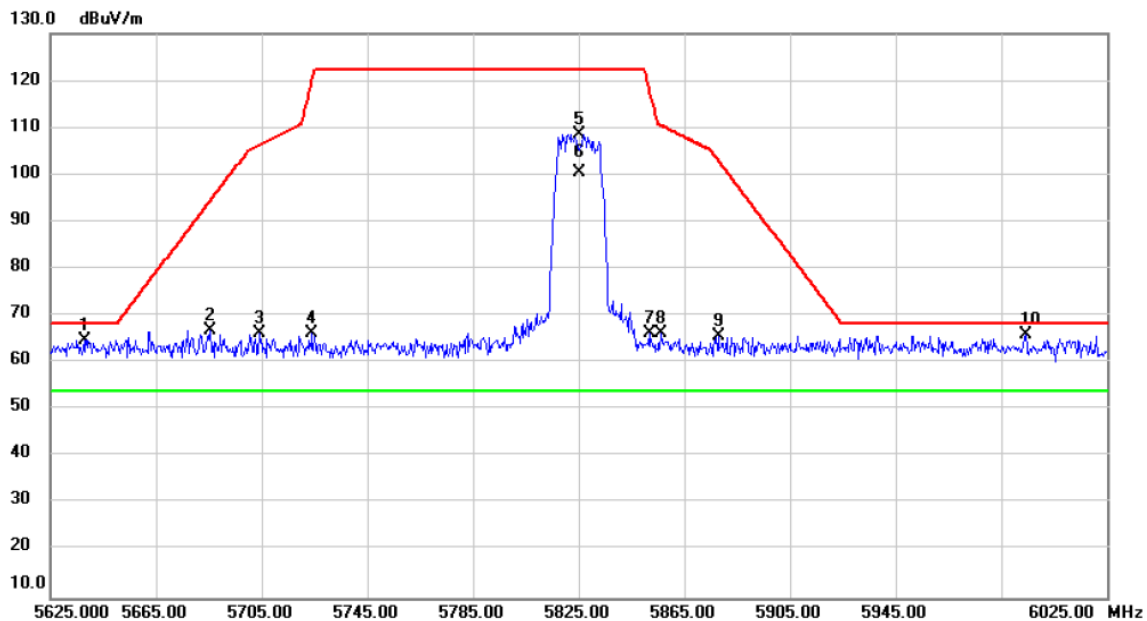


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5600.200	28.89	37.94	66.83	68.20	-1.37	peak	
2		5665.800	27.67	38.10	65.77	79.93	-14.16	peak	
3		5717.400	28.72	38.21	66.93	110.07	-43.14	peak	
4		5723.800	33.61	38.23	71.84	119.46	-47.62	peak	
5		5745.000	72.42	38.28	110.70	122.20	-11.50	peak	No Limit
6	*	5745.000	63.15	38.28	101.43	54.00	47.43	AVG	No Limit
7		5851.800	27.27	38.53	65.80	118.09	-52.29	peak	
8		5875.400	27.38	38.59	65.97	104.90	-38.93	peak	
9		5888.200	27.84	38.61	66.45	95.40	-28.95	peak	
10		5941.000	27.59	38.74	66.33	68.20	-1.87	peak	

REMARKS:

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

Test Mode	UNII-3_ IEEE 802.11a	Test Date	2020/7/8
Test Frequency	CH165: 5825 MHz	Polarization	Vertical

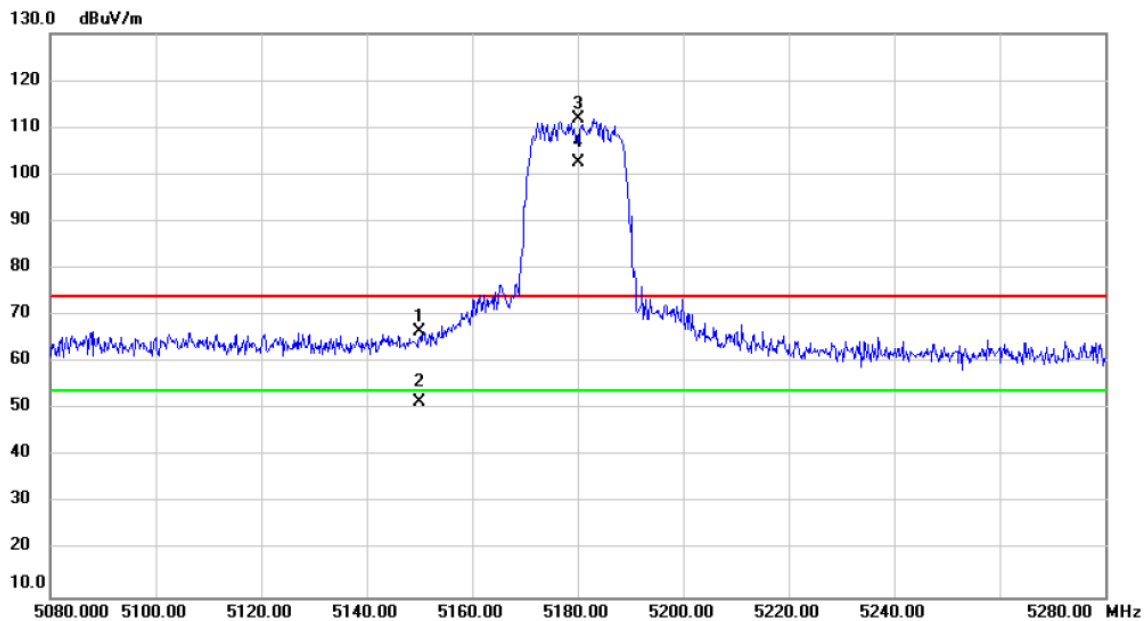


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5637.800	26.83	38.03	64.86	68.20	-3.34	peak	
2		5685.400	28.68	38.14	66.82	94.43	-27.61	peak	
3		5704.200	27.92	38.19	66.11	106.38	-40.27	peak	
4		5724.200	27.92	38.23	66.15	120.38	-54.23	peak	
5		5825.000	70.21	38.48	108.69	122.20	-13.51	peak	No Limit
6	*	5825.000	61.94	38.48	100.42	54.00	46.42	AVG	No Limit
7		5851.800	27.59	38.53	66.12	118.09	-51.97	peak	
8		5856.200	27.57	38.54	66.11	110.46	-44.35	peak	
9		5877.800	27.18	38.60	65.78	103.12	-37.34	peak	
10		5994.200	27.17	38.86	66.03	68.20	-2.17	peak	

REMARKS:

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

Test Mode	UNII-1_ IEEE 802.11n (HT20)	Test Date	2020/7/16
Test Frequency	CH36: 5180 MHz	Polarization	Vertical

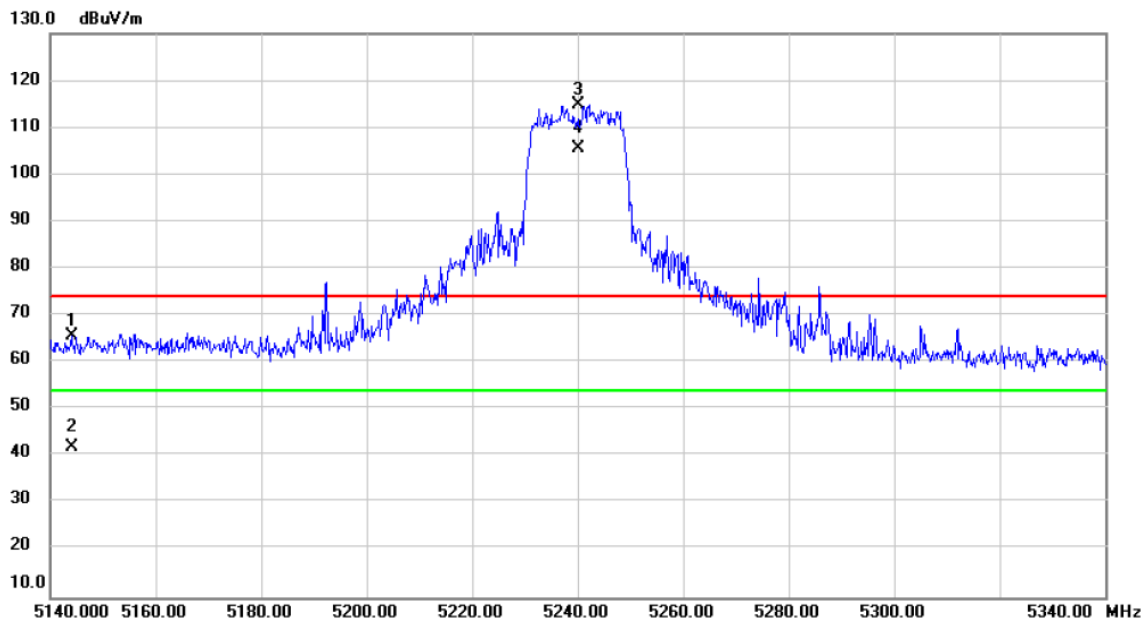


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5150.000	28.36	38.07	66.43	74.00	-7.57	peak	
2		5150.000	13.47	38.07	51.54	54.00	-2.46	AVG	
3	X	5180.000	73.69	38.09	111.78	74.00	37.78	peak	No Limit
4	*	5180.000	64.45	38.09	102.54	54.00	48.54	AVG	No Limit

REMARKS:

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

Test Mode	UNII-1_ IEEE 802.11n (HT20)	Test Date	2020/7/16
Test Frequency	CH48: 5240 MHz	Polarization	Vertical

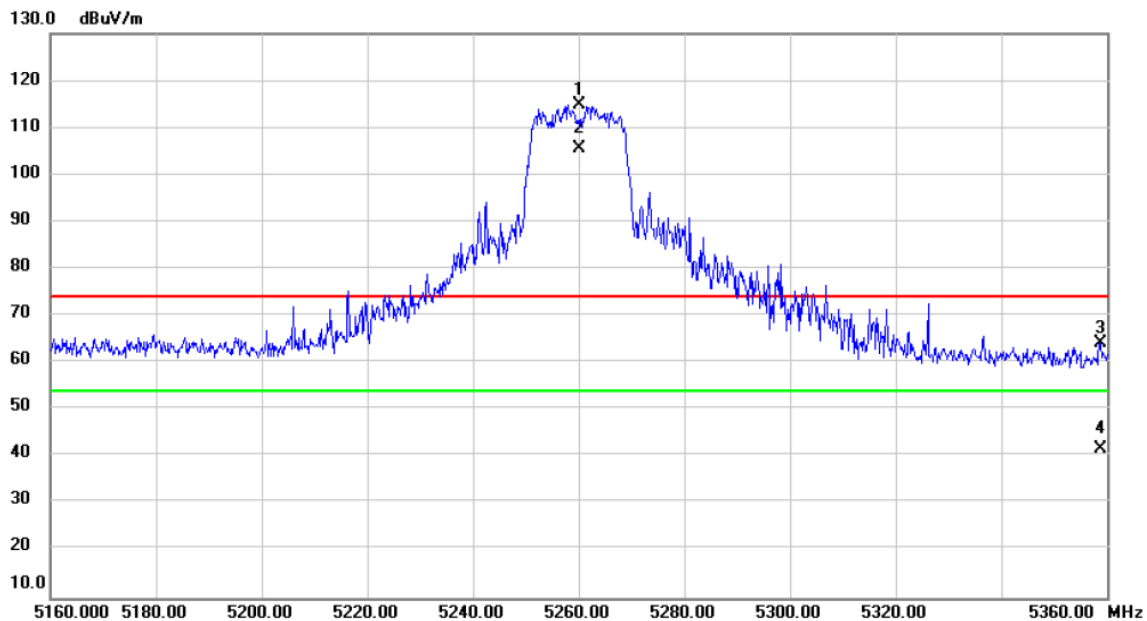


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5144.000	27.68	38.07	65.75	74.00	-8.25	peak	
2		5144.000	3.89	38.07	41.96	54.00	-12.04	AVG	
3	X	5240.000	76.78	38.13	114.91	74.00	40.91	peak	No Limit
4	*	5240.000	67.45	38.13	105.58	54.00	51.58	AVG	No Limit

REMARKS:

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

Test Mode	UNII-2A_ IEEE 802.11n (HT20)	Test Date	2020/7/8
Test Frequency	CH52: 5260 MHz	Polarization	Vertical

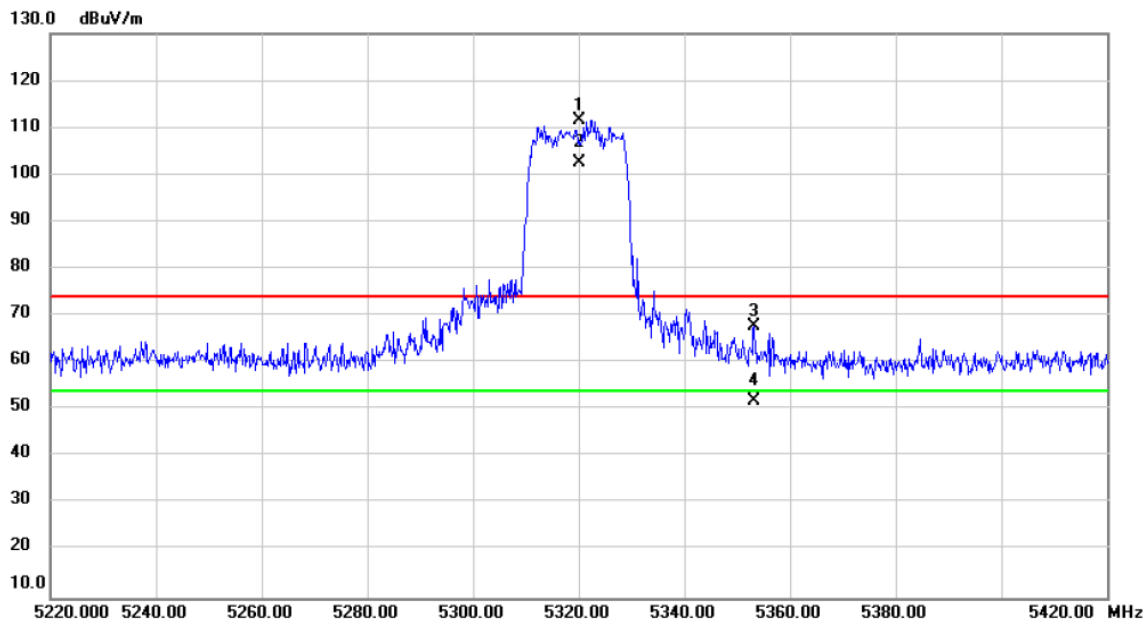


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	5260.000	77.30	37.50	114.80	74.00	40.80	peak	No Limit
2	*	5260.000	68.15	37.50	105.65	54.00	51.65	AVG	No Limit
3		5358.800	26.50	37.59	64.09	74.00	-9.91	peak	
4		5358.800	4.15	37.59	41.74	54.00	-12.26	AVG	

REMARKS:

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

Test Mode	UNII-2A_ IEEE 802.11n (HT20)	Test Date	2020/7/8
Test Frequency	CH64: 5320 MHz	Polarization	Vertical

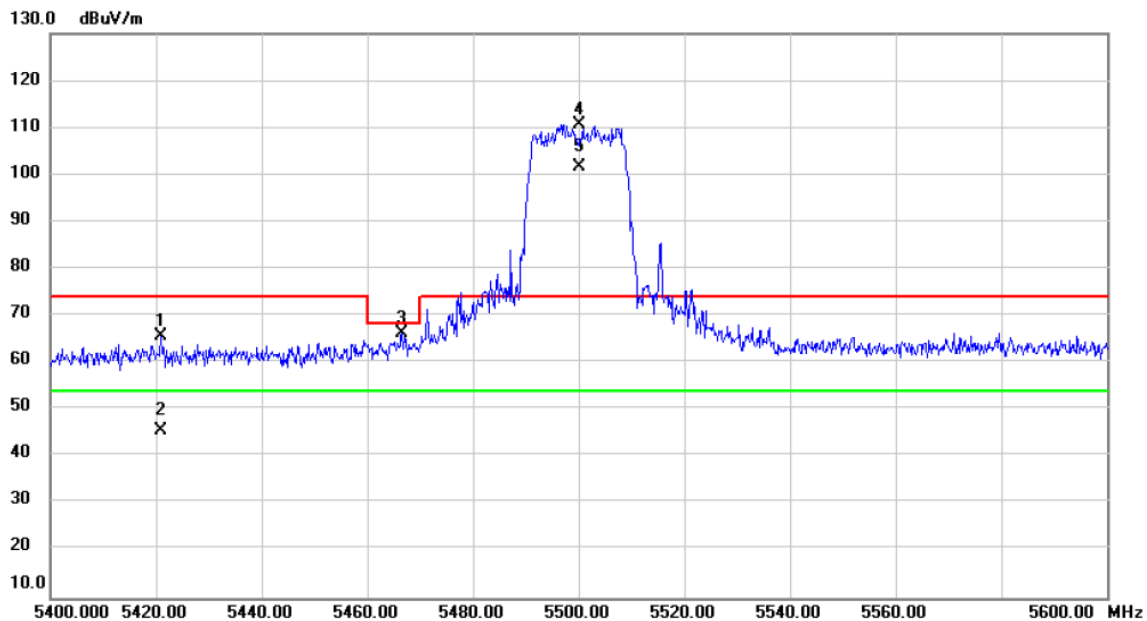


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5320.000	74.07	37.55	111.62	74.00	37.62	peak	No Limit
2	*	5320.000	64.86	37.55	102.41	54.00	48.41	AVG	No Limit
3		5353.200	30.26	37.58	67.84	74.00	-6.16	peak	
4		5353.200	14.15	37.58	51.73	54.00	-2.27	AVG	

REMARKS:

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

Test Mode	UNII-2C_ IEEE 802.11n (HT20)	Test Date	2020/7/8
Test Frequency	CH100: 5500 MHz	Polarization	Vertical

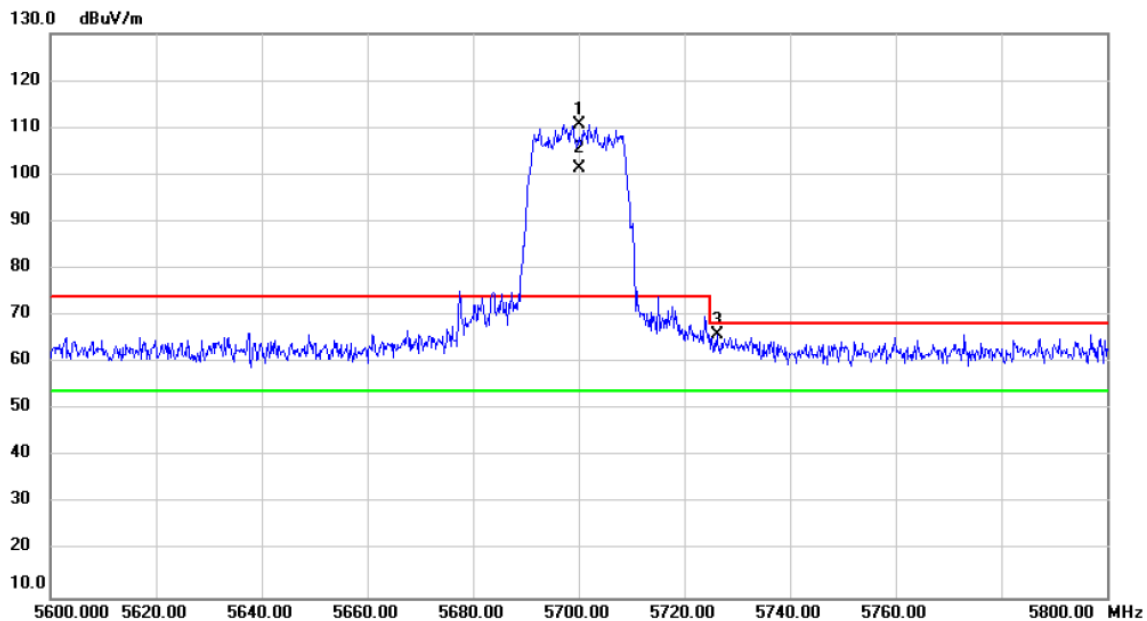


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5421.000	28.10	37.64	65.74	74.00	-8.26	peak	
2		5421.000	7.98	37.64	45.62	54.00	-8.38	AVG	
3		5466.600	28.48	37.68	66.16	68.20	-2.04	peak	
4	X	5500.000	72.91	37.71	110.62	74.00	36.62	peak	No Limit
5	*	5500.000	63.93	37.71	101.64	54.00	47.64	AVG	No Limit

REMARKS:

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

Test Mode	UNII-2C_ IEEE 802.11n (HT20)	Test Date	2020/7/8
Test Frequency	CH140: 5700 MHz	Polarization	Vertical

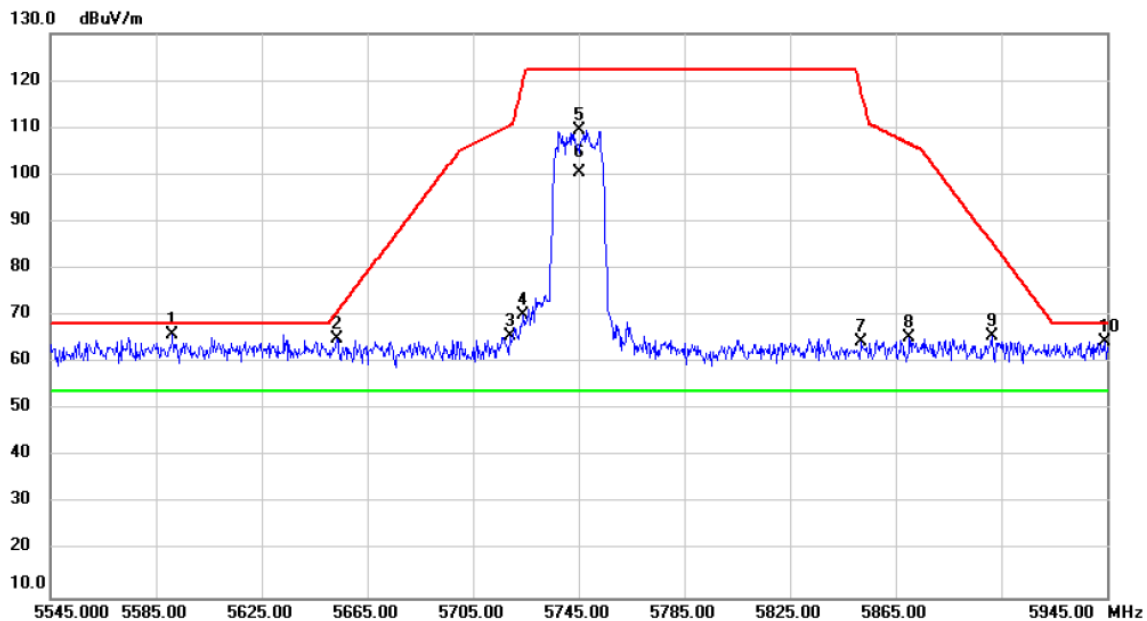


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5700.000	72.45	38.18	110.63	74.00	36.63	peak	No Limit
2	*	5700.000	63.10	38.18	101.28	54.00	47.28	AVG	No Limit
3		5726.200	27.70	38.24	65.94	68.20	-2.26	peak	

REMARKS:

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

Test Mode	UNII-3_ IEEE 802.11n (HT20)	Test Date	2020/7/8
Test Frequency	CH149: 5745 MHz	Polarization	Vertical

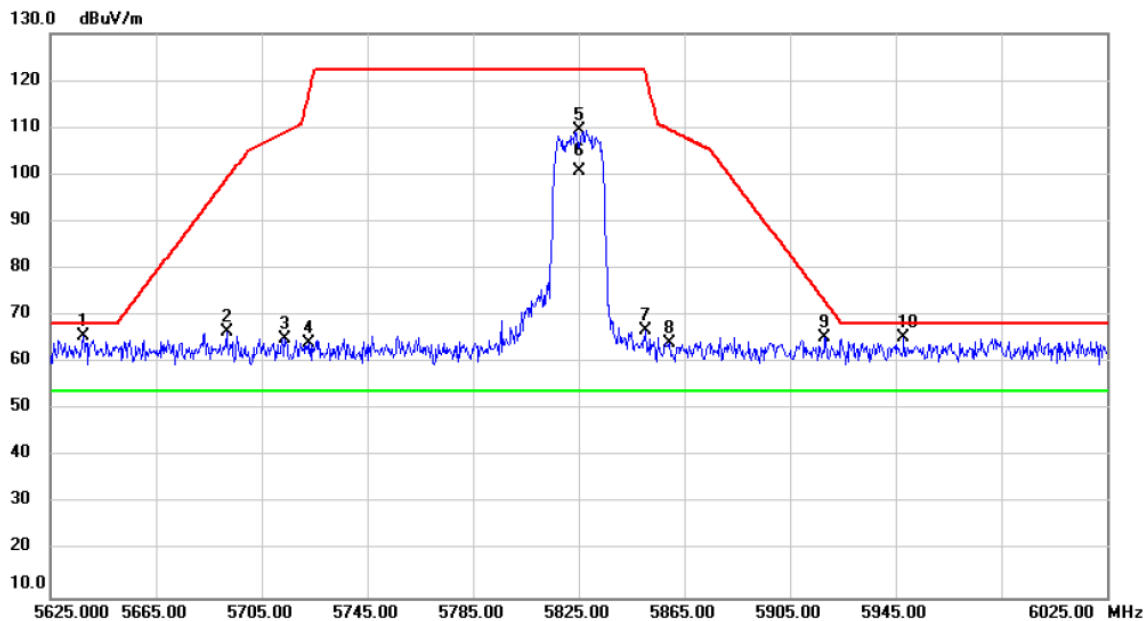


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5591.400	27.92	37.93	65.85	68.20	-2.35	peak	
2		5653.400	27.06	38.06	65.12	70.73	-5.61	peak	
3		5719.000	27.40	38.23	65.63	110.52	-44.89	peak	
4		5724.200	31.85	38.23	70.08	120.38	-50.30	peak	
5		5745.000	71.23	38.28	109.51	122.20	-12.69	peak	No Limit
6	*	5745.000	62.28	38.28	100.56	54.00	46.56	AVG	No Limit
7		5852.200	25.93	38.53	64.46	117.18	-52.72	peak	
8		5870.200	26.89	38.58	65.47	106.54	-41.07	peak	
9		5901.400	26.87	38.65	65.52	85.62	-20.10	peak	
10		5944.200	25.82	38.75	64.57	68.20	-3.63	peak	

REMARKS:

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

Test Mode	UNII-3_ IEEE 802.11n (HT20)	Test Date	2020/7/8
Test Frequency	CH165: 5825 MHz	Polarization	Vertical

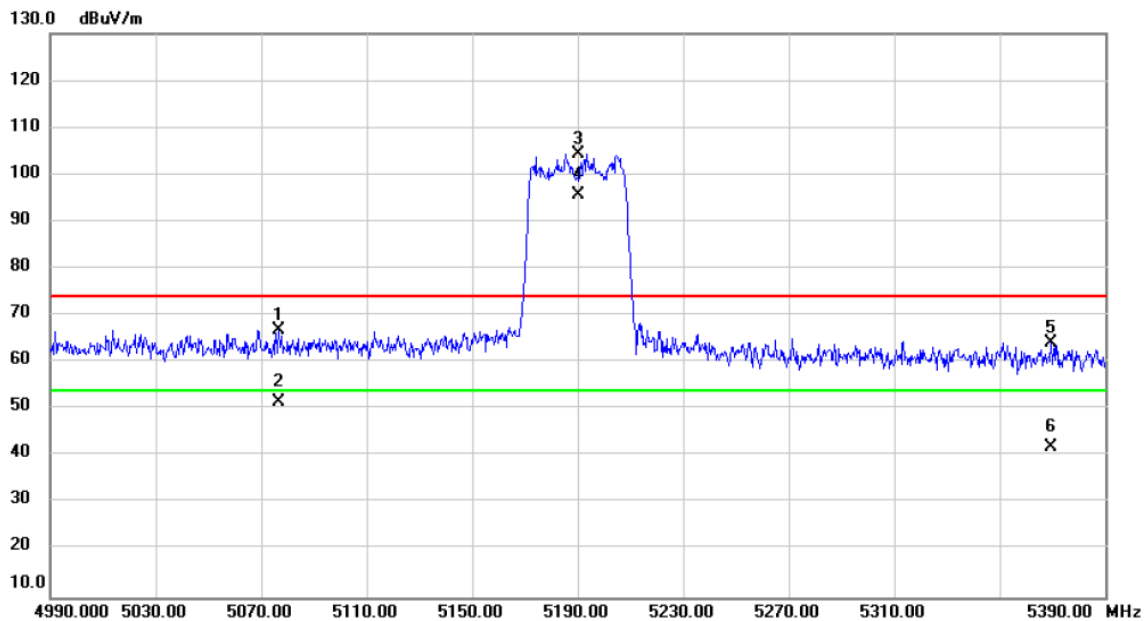


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5637.400	27.60	38.03	65.63	68.20	-2.57	peak	
2		5691.800	28.27	38.16	66.43	99.15	-32.72	peak	
3		5713.800	26.85	38.21	65.06	109.07	-44.01	peak	
4		5723.000	26.01	38.23	64.24	117.64	-53.40	peak	
5		5825.000	71.06	38.48	109.54	122.20	-12.66	peak	No Limit
6	*	5825.000	62.40	38.48	100.88	54.00	46.88	AVG	No Limit
7		5850.200	28.38	38.53	66.91	121.74	-54.83	peak	
8		5859.400	25.63	38.55	64.18	109.57	-45.39	peak	
9		5918.200	26.76	38.69	65.45	73.21	-7.76	peak	
10		5948.200	26.56	38.76	65.32	68.20	-2.88	peak	

REMARKS:

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

Test Mode	UNII-1_ IEEE 802.11n (HT40)	Test Date	2020/7/16
Test Frequency	CH38: 5190 MHz	Polarization	Vertical

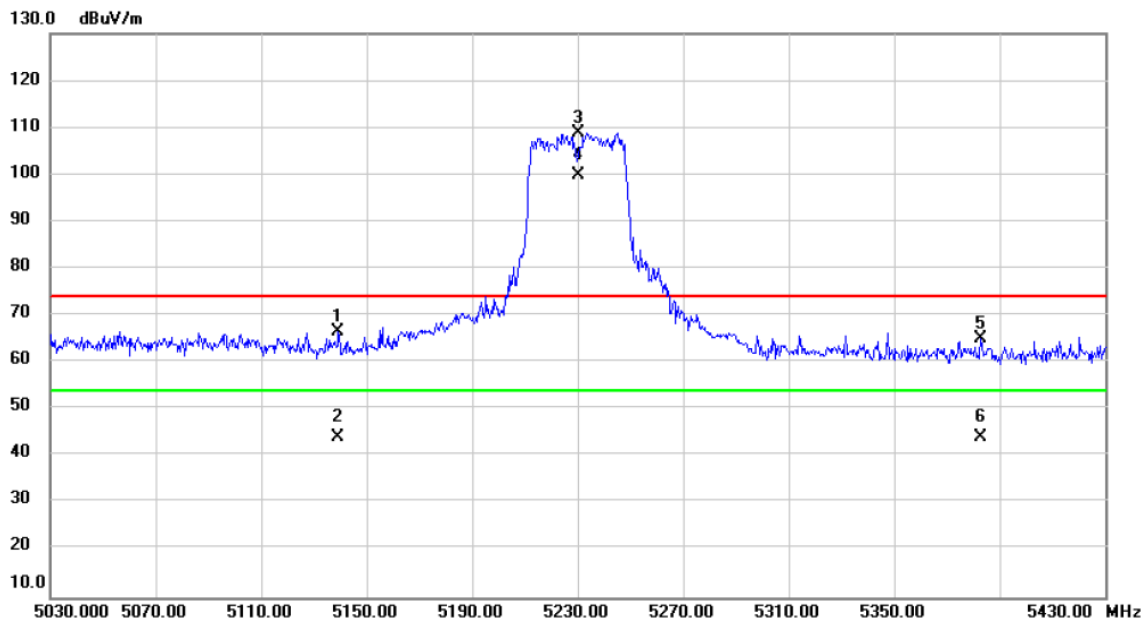


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5076.800	28.90	38.01	66.91	74.00	-7.09	peak	
2		5076.800	13.58	38.01	51.59	54.00	-2.41	AVG	
3	X	5190.000	66.35	38.09	104.44	74.00	30.44	peak	No Limit
4	*	5190.000	57.47	38.09	95.56	54.00	41.56	AVG	No Limit
5		5369.600	25.96	38.24	64.20	74.00	-9.80	peak	
6		5369.600	3.67	38.24	41.91	54.00	-12.09	AVG	

REMARKS:

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

Test Mode	UNII-1_ IEEE 802.11n (HT40)	Test Date	2020/7/16
Test Frequency	CH46: 5230 MHz	Polarization	Vertical

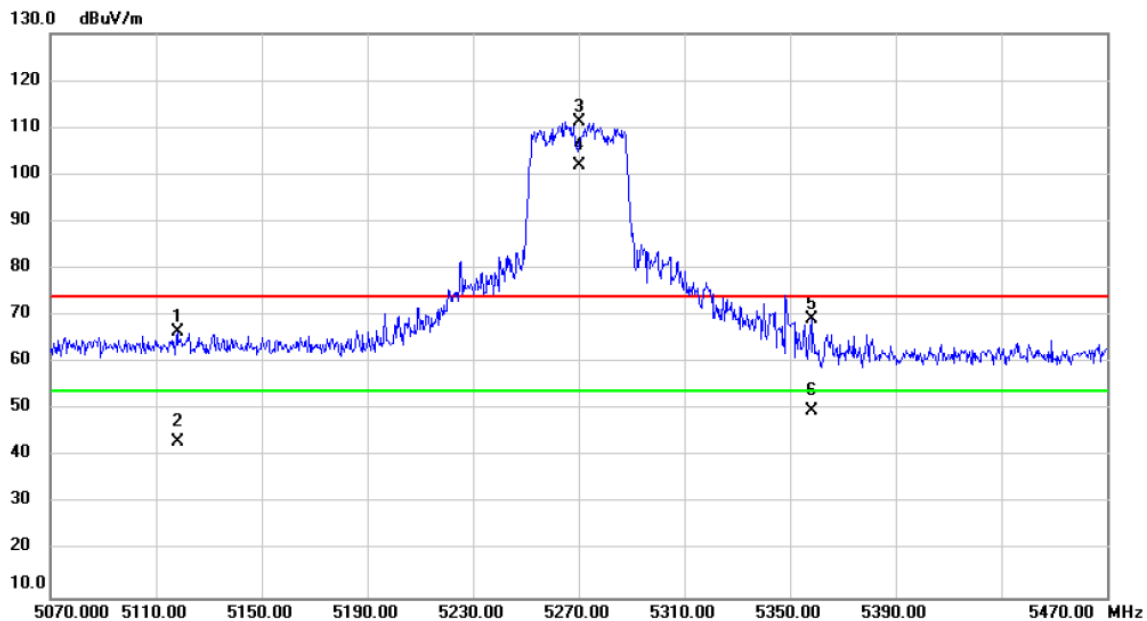


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5139.200	29.16	37.39	66.55	74.00	-7.45	peak	
2		5139.200	6.79	37.39	44.18	54.00	-9.82	AVG	
3	X	5230.000	71.39	37.47	108.86	74.00	34.86	peak	No Limit
4	*	5230.000	62.37	37.47	99.84	54.00	45.84	AVG	No Limit
5		5382.800	27.43	37.61	65.04	74.00	-8.96	peak	
6		5382.800	6.53	37.61	44.14	54.00	-9.86	AVG	

REMARKS:

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

Test Mode	UNII-2A_ IEEE 802.11n (HT40)	Test Date	2020/7/8
Test Frequency	CH54: 5270 MHz	Polarization	Vertical

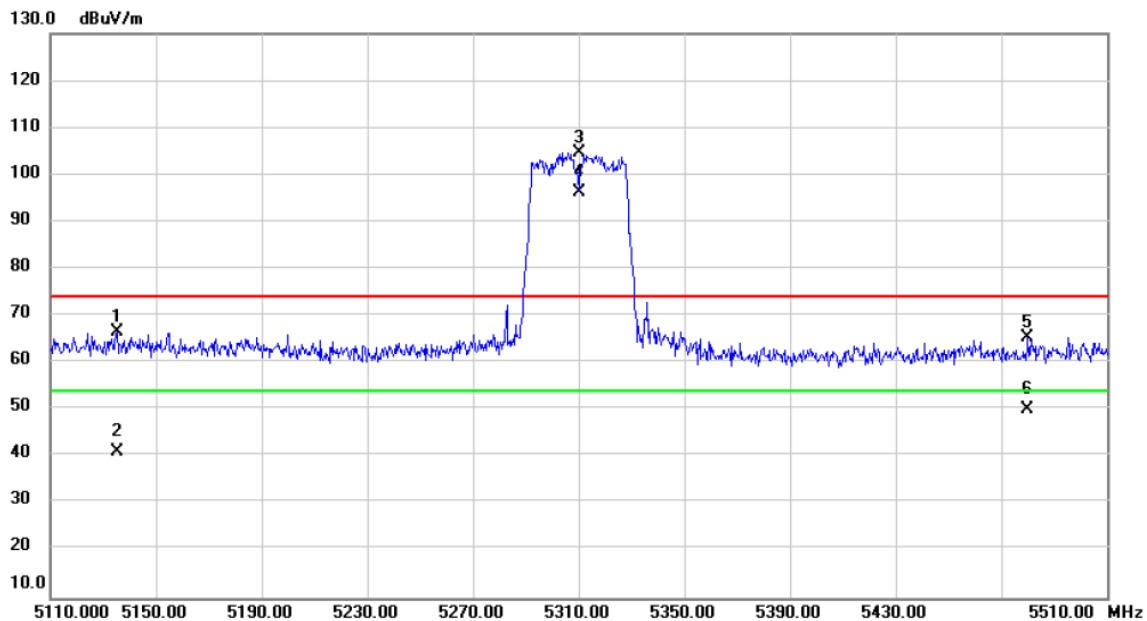


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5118.000	29.25	37.37	66.62	74.00	-7.38	peak	
2		5118.000	5.74	37.37	43.11	54.00	-10.89	AVG	
3	X	5270.000	73.61	37.51	111.12	74.00	37.12	peak	No Limit
4	*	5270.000	64.58	37.51	102.09	54.00	48.09	AVG	No Limit
5		5358.000	31.76	37.58	69.34	74.00	-4.66	peak	
6		5358.000	12.25	37.58	49.83	54.00	-4.17	AVG	

REMARKS:

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

Test Mode	UNII-2A_ IEEE 802.11n (HT40)	Test Date	2020/7/8
Test Frequency	CH62: 5310 MHz	Polarization	Vertical

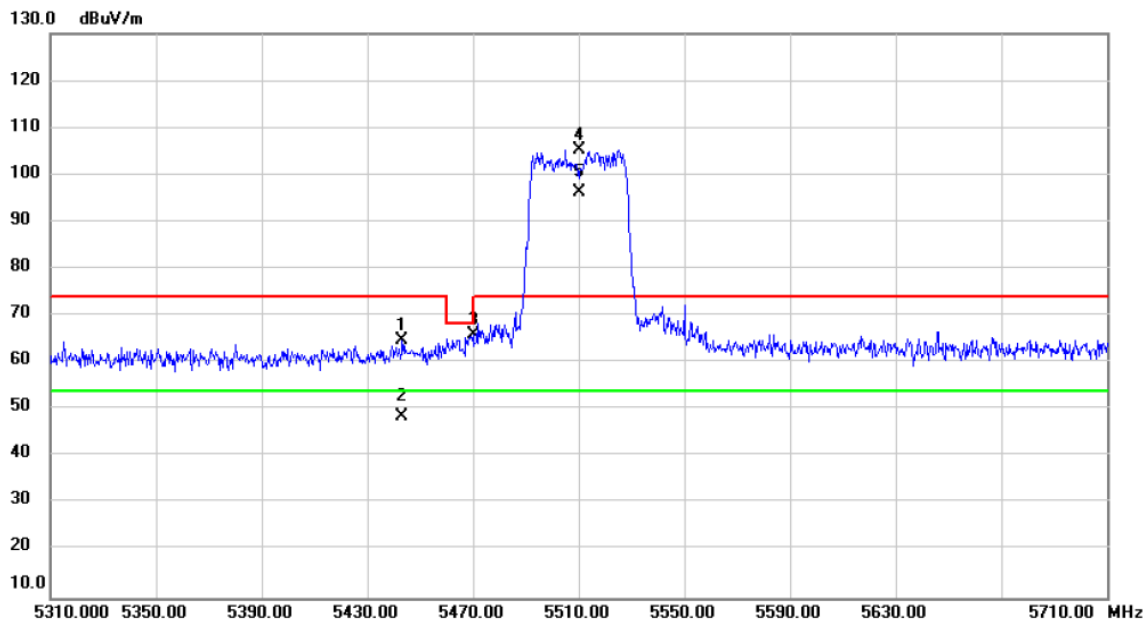


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5135.200	29.08	37.39	66.47	74.00	-7.53	peak	
2		5135.200	3.62	37.39	41.01	54.00	-12.99	AVG	
3	X	5310.000	67.06	37.55	104.61	74.00	30.61	peak	No Limit
4	*	5310.000	58.64	37.55	96.19	54.00	42.19	AVG	No Limit
5		5480.000	27.67	37.69	65.36	74.00	-8.64	peak	
6		5480.000	12.39	37.69	50.08	54.00	-3.92	AVG	

REMARKS:

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

Test Mode	UNII-2C_ IEEE 802.11n (HT40)	Test Date	2020/7/8
Test Frequency	CH102: 5510 MHz	Polarization	Vertical

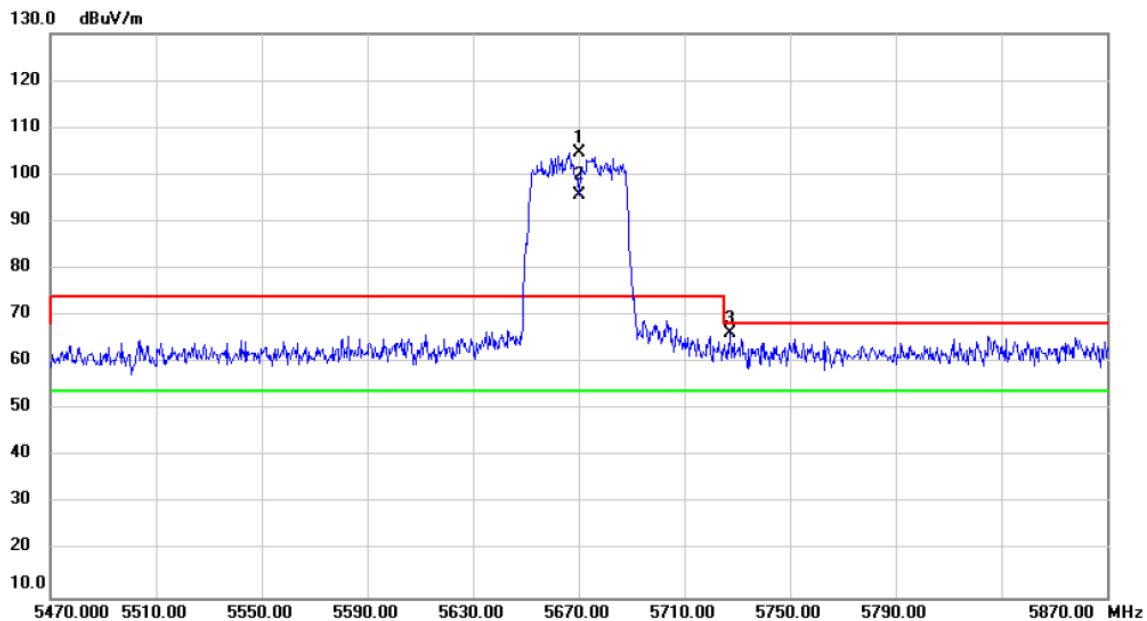


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5443.200	26.95	37.66	64.61	74.00	-9.39	peak	
2		5443.200	10.84	37.66	48.50	54.00	-5.50	AVG	
3		5470.000	28.36	37.68	66.04	68.20	-2.16	peak	
4	X	5510.000	67.56	37.73	105.29	74.00	31.29	peak	No Limit
5	*	5510.000	58.61	37.73	96.34	54.00	42.34	AVG	No Limit

REMARKS:

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

Test Mode	UNII-2C_ IEEE 802.11n (HT40)	Test Date	2020/7/8
Test Frequency	CH134: 5670 MHz	Polarization	Vertical

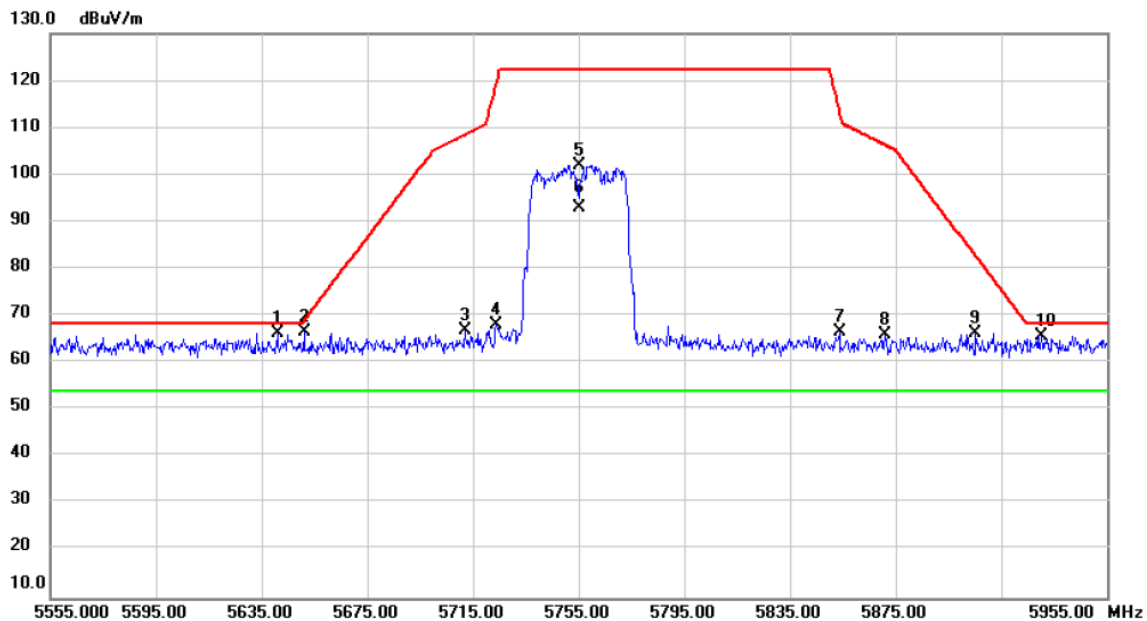


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5670.000	66.48	38.11	104.59	74.00	30.59	peak	No Limit
2	*	5670.000	57.50	38.11	95.61	54.00	41.61	AVG	No Limit
3		5727.200	27.93	38.24	66.17	68.20	-2.03	peak	

REMARKS:

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

Test Mode	UNII-3_ IEEE 802.11n (HT40)	Test Date	2020/7/8
Test Frequency	CH151: 5755 MHz	Polarization	Vertical

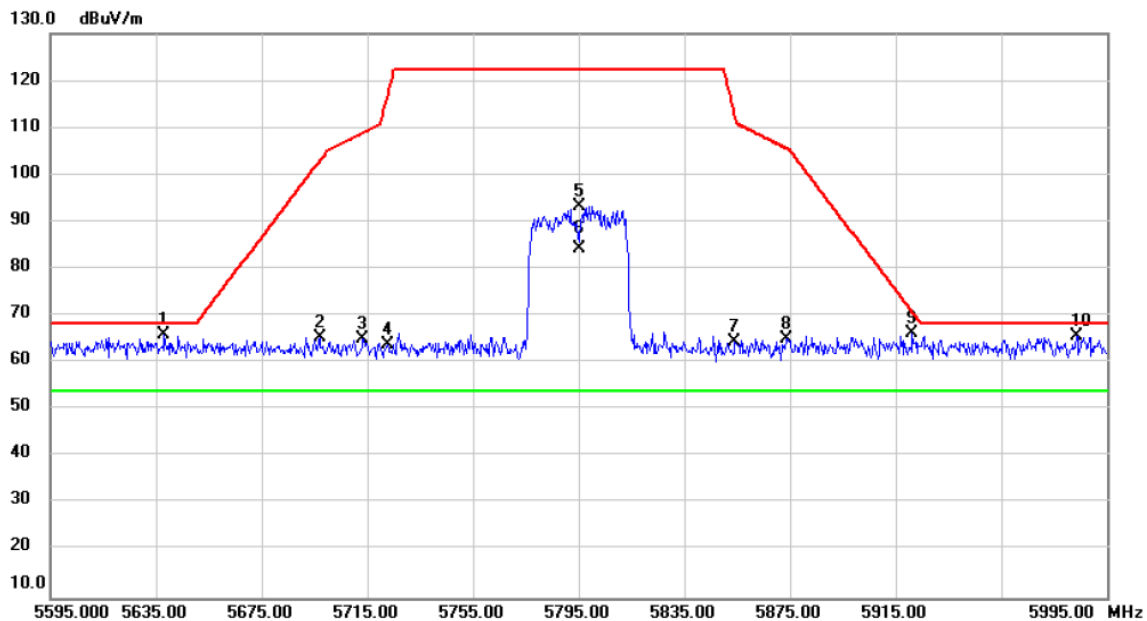


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5641.000	28.08	38.04	66.12	68.20	-2.08	peak	
2		5651.000	28.55	38.06	66.61	68.94	-2.33	peak	
3		5711.800	28.50	38.21	66.71	108.51	-41.80	peak	
4		5723.800	29.86	38.23	68.09	119.46	-51.37	peak	
5		5755.000	63.69	38.31	102.00	122.20	-20.20	peak	No Limit
6	*	5755.000	54.62	38.31	92.93	54.00	38.93	AVG	No Limit
7		5853.800	27.90	38.54	66.44	113.54	-47.10	peak	
8		5871.000	27.51	38.58	66.09	106.32	-40.23	peak	
9		5905.400	27.53	38.66	66.19	82.67	-16.48	peak	
10		5930.200	26.92	38.71	65.63	68.20	-2.57	peak	

REMARKS:

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

Test Mode	UNII-3_ IEEE 802.11n (HT40)	Test Date	2020/7/8
Test Frequency	CH159: 5795 MHz	Polarization	Vertical

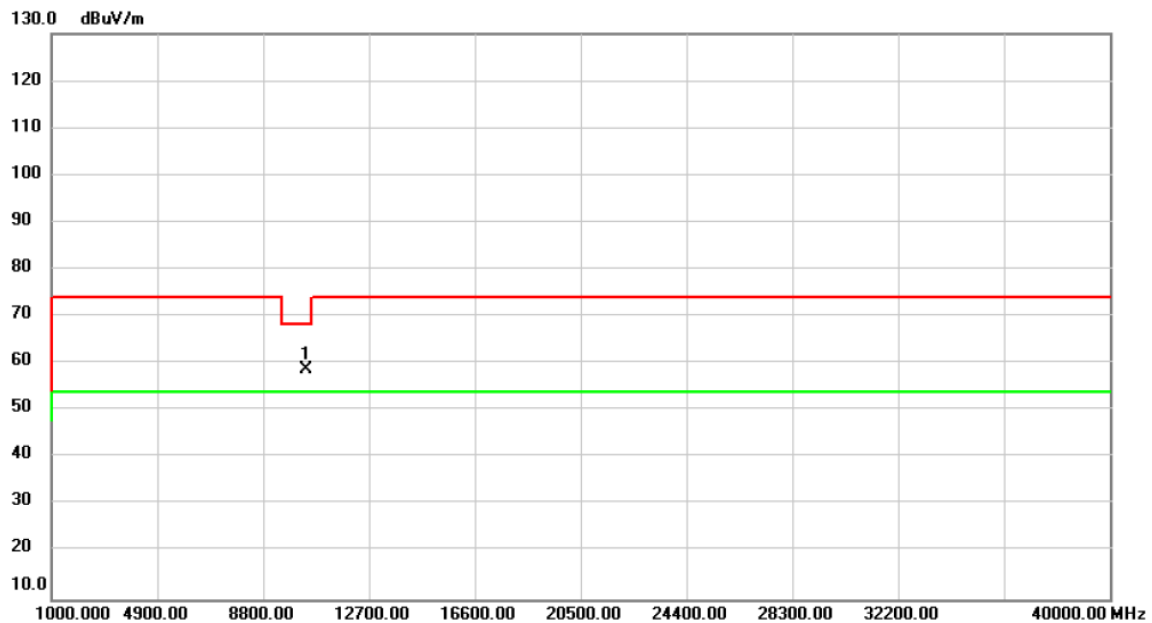


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5638.200	27.84	38.03	65.87	68.20	-2.33	peak	
2		5697.000	27.24	38.18	65.42	102.99	-37.57	peak	
3		5713.400	26.94	38.21	65.15	108.95	-43.80	peak	
4		5722.600	25.58	38.23	63.81	116.73	-52.92	peak	
5		5795.000	54.80	38.40	93.20	122.20	-29.00	peak	No Limit
6	*	5795.000	45.85	38.40	84.25	54.00	30.25	AVG	No Limit
7		5854.200	25.92	38.54	64.46	112.62	-48.16	peak	
8		5873.800	26.57	38.58	65.15	105.54	-40.39	peak	
9		5921.400	27.45	38.70	66.15	70.85	-4.70	peak	
10		5983.400	26.91	38.84	65.75	68.20	-2.45	peak	

REMARKS:

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

Test Mode	UNII-1_ IEEE 802.11a	Test Date	2020/7/16
Test Frequency	CH36: 5180 MHz	Polarization	Vertical

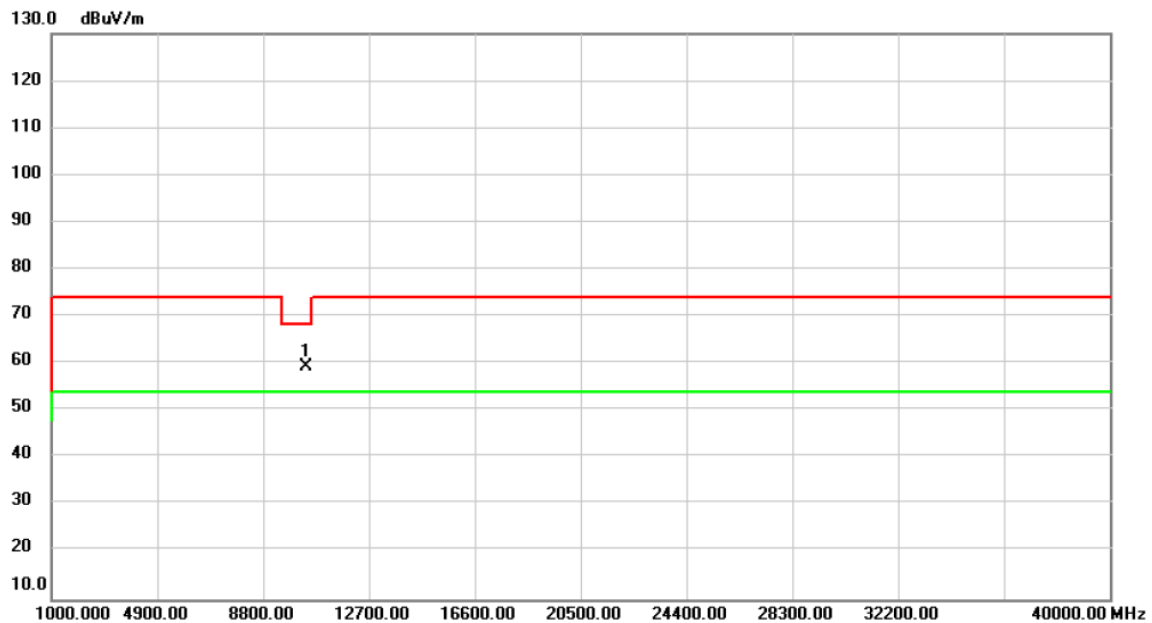


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10360.00	54.89	4.00	58.89	68.20	-9.31	peak	

REMARKS:

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

Test Mode	UNII-1_ IEEE 802.11a	Test Date	2020/7/16
Test Frequency	CH36: 5180 MHz	Polarization	Horizontal

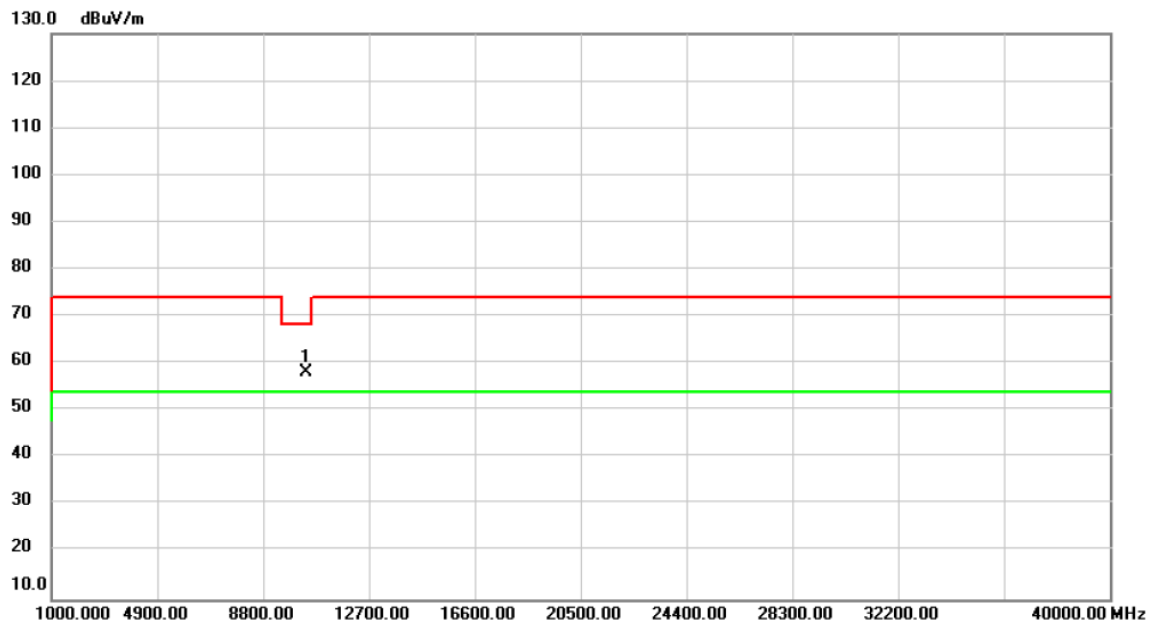


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10360.00	55.63	3.68	59.31	68.20	-8.89	peak	

REMARKS:

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

Test Mode	UNII-1_ IEEE 802.11a	Test Date	2020/7/16
Test Frequency	CH40: 5200 MHz	Polarization	Vertical

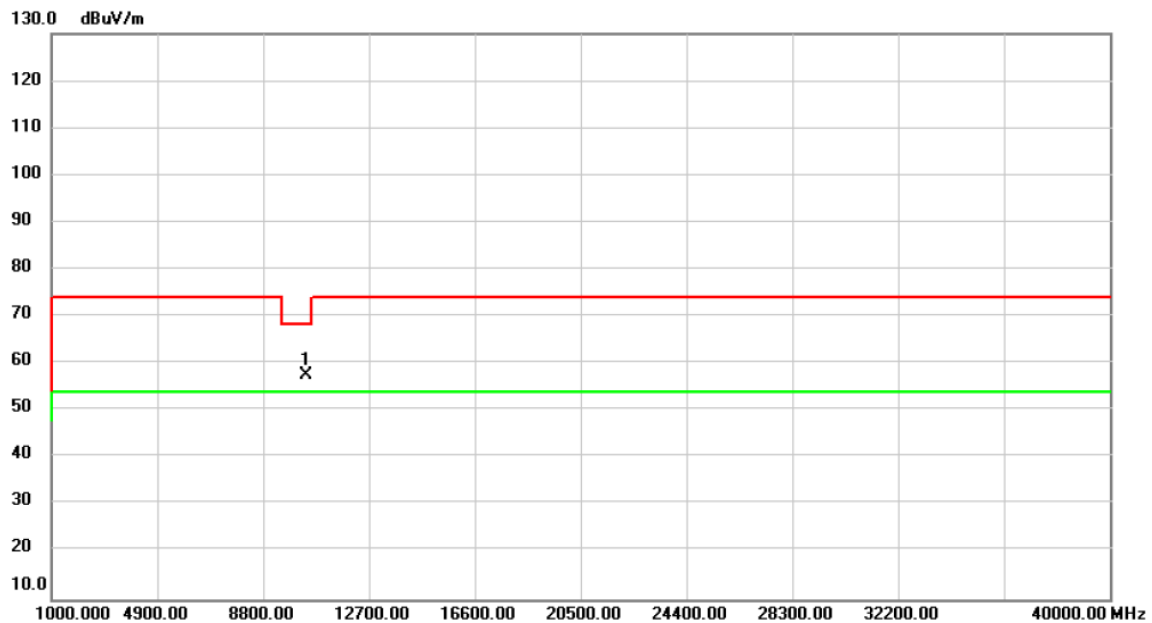


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10400.00	54.38	3.74	58.12	68.20	-10.08	peak	

REMARKS:

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

Test Mode	UNII-1_ IEEE 802.11a	Test Date	2020/7/16
Test Frequency	CH40: 5200 MHz	Polarization	Horizontal

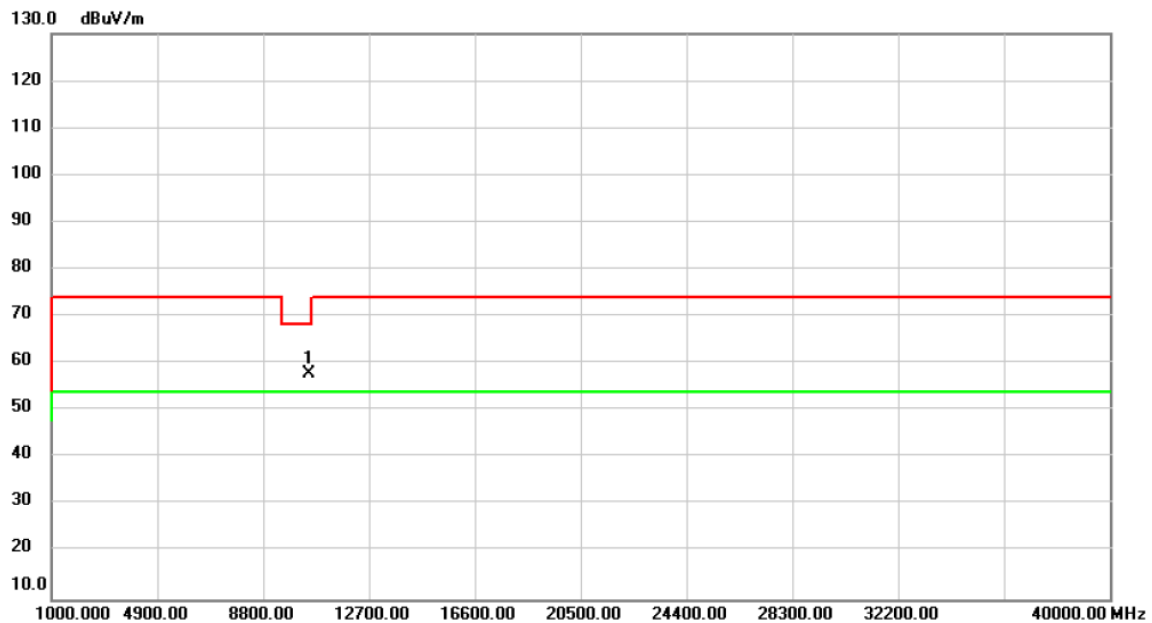


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10400.00	53.79	3.74	57.53	68.20	-10.67	peak	

REMARKS:

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

Test Mode	UNII-1_ IEEE 802.11a	Test Date	2020/7/16
Test Frequency	CH48: 5240 MHz	Polarization	Vertical

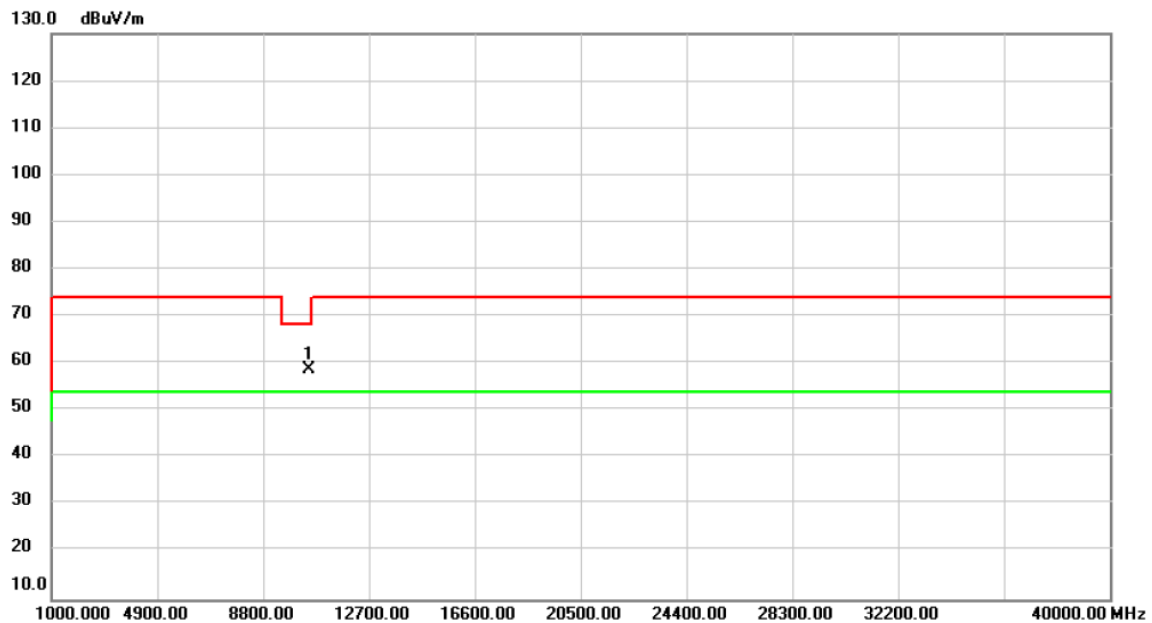


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10480.00	54.16	3.84	58.00	68.20	-10.20	peak	

REMARKS:

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

Test Mode	UNII-1_ IEEE 802.11a	Test Date	2020/7/16
Test Frequency	CH48: 5240 MHz	Polarization	Horizontal

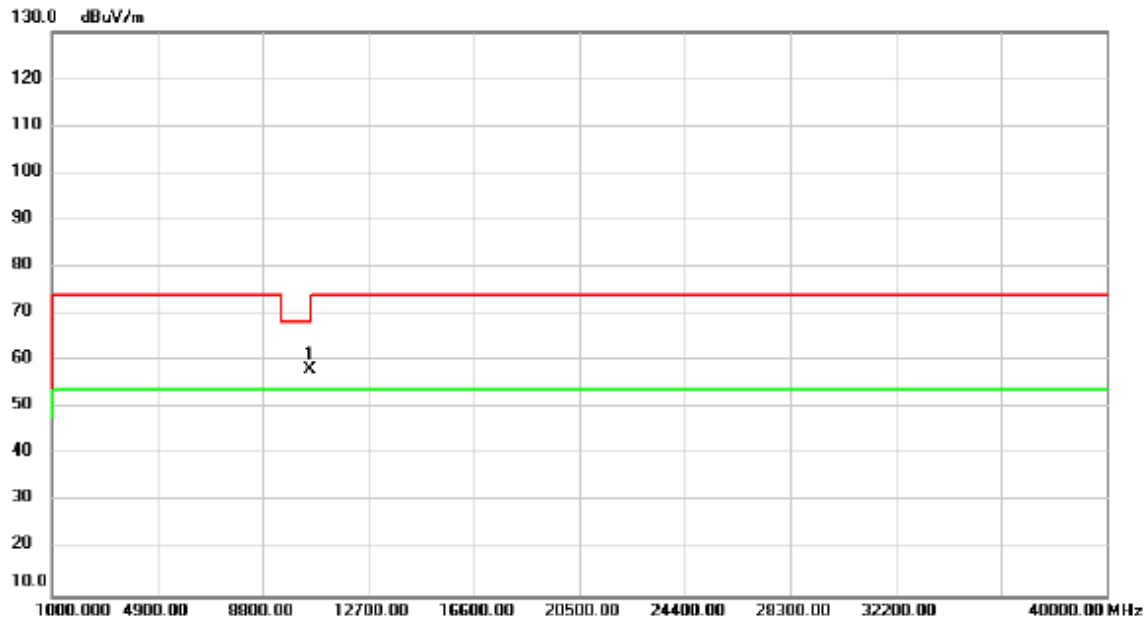


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10480.00	54.80	3.84	58.64	68.20	-9.56	peak	

REMARKS:

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

Test Mode	UNII-2A_ IEEE 802.11a	Test Date	2020/7/8
Test Frequency	CH52: 5260 MHz	Polarization	Vertical

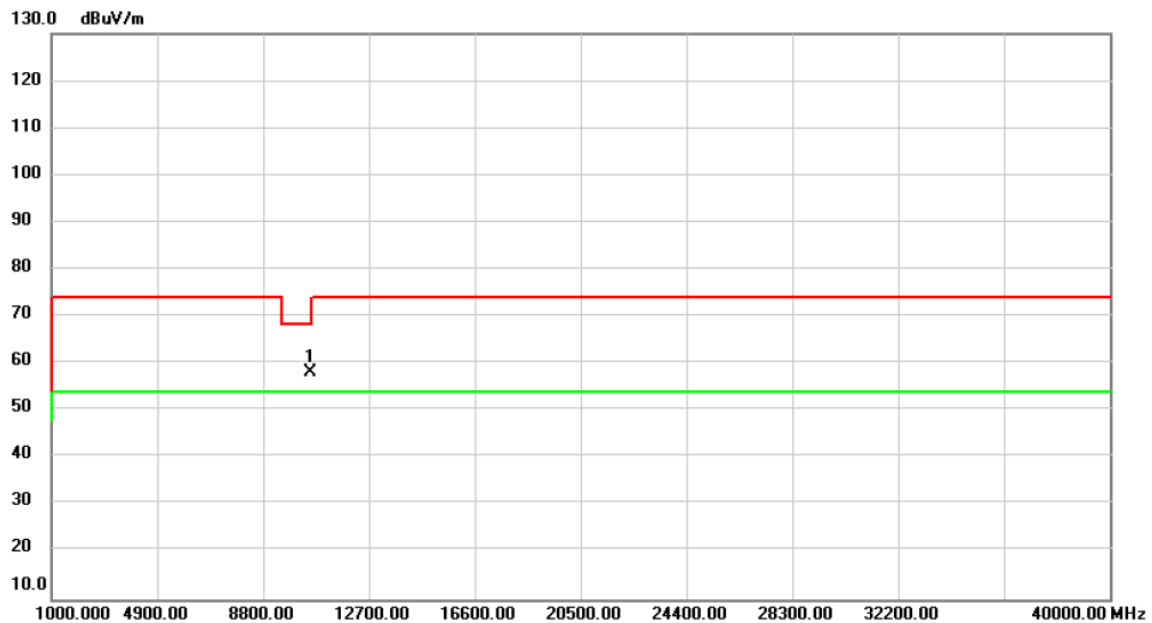


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10520.00	53.02	5.06	58.08	68.20	-10.12	peak	

REMARKS:

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

Test Mode	UNII-2A_ IEEE 802.11a	Test Date	2020/7/8
Test Frequency	CH52: 5260 MHz	Polarization	Horizontal

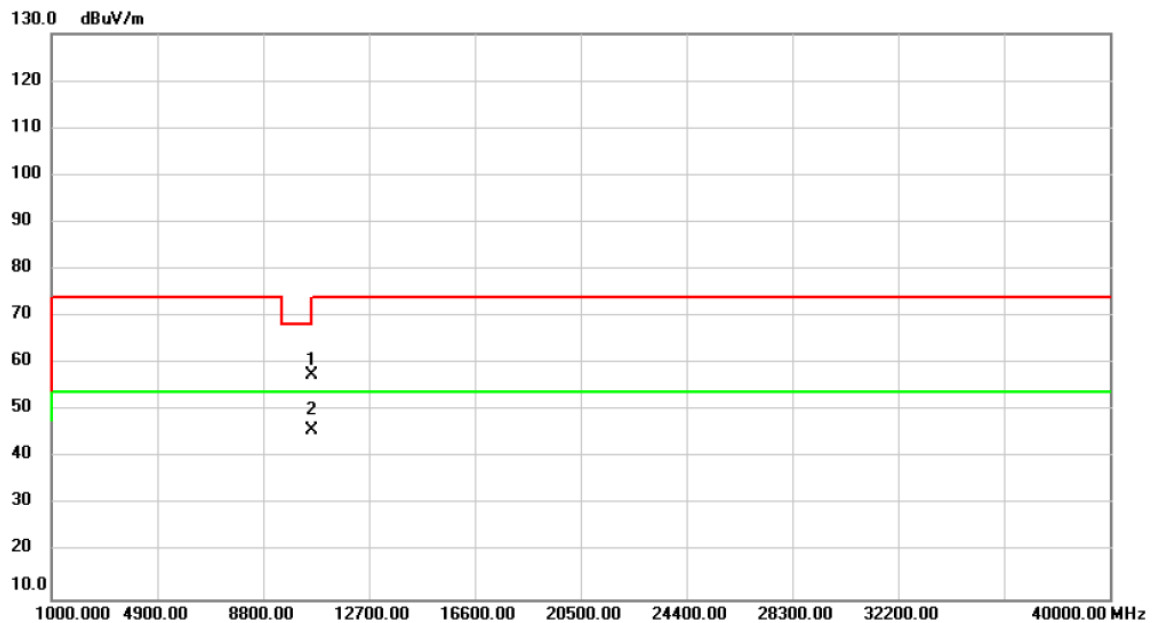


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10520.00	53.23	5.06	58.29	68.20	-9.91	peak	

REMARKS:

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

Test Mode	UNII-2A_ IEEE 802.11a	Test Date	2020/7/8
Test Frequency	CH60: 5300 MHz	Polarization	Vertical

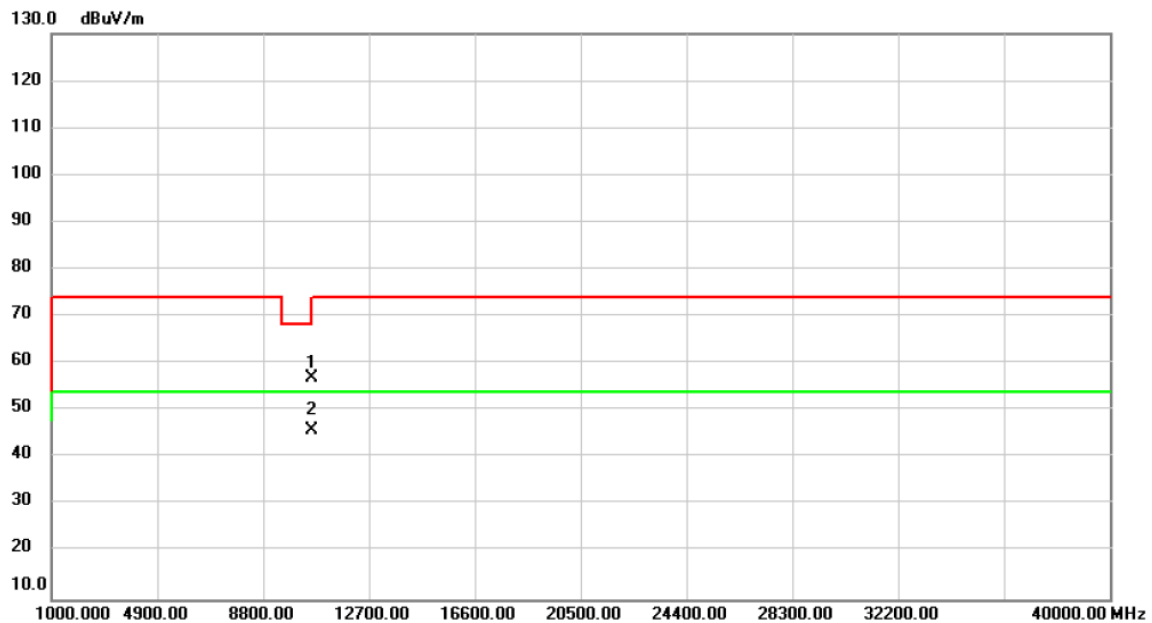


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10600.00	52.20	5.31	57.51	68.20	-10.69	peak	
2	*	10600.00	40.55	5.31	45.86	54.00	-8.14	AVG	

REMARKS:

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

Test Mode	UNII-2A_ IEEE 802.11a	Test Date	2020/7/8
Test Frequency	CH60: 5300 MHz	Polarization	Horizontal

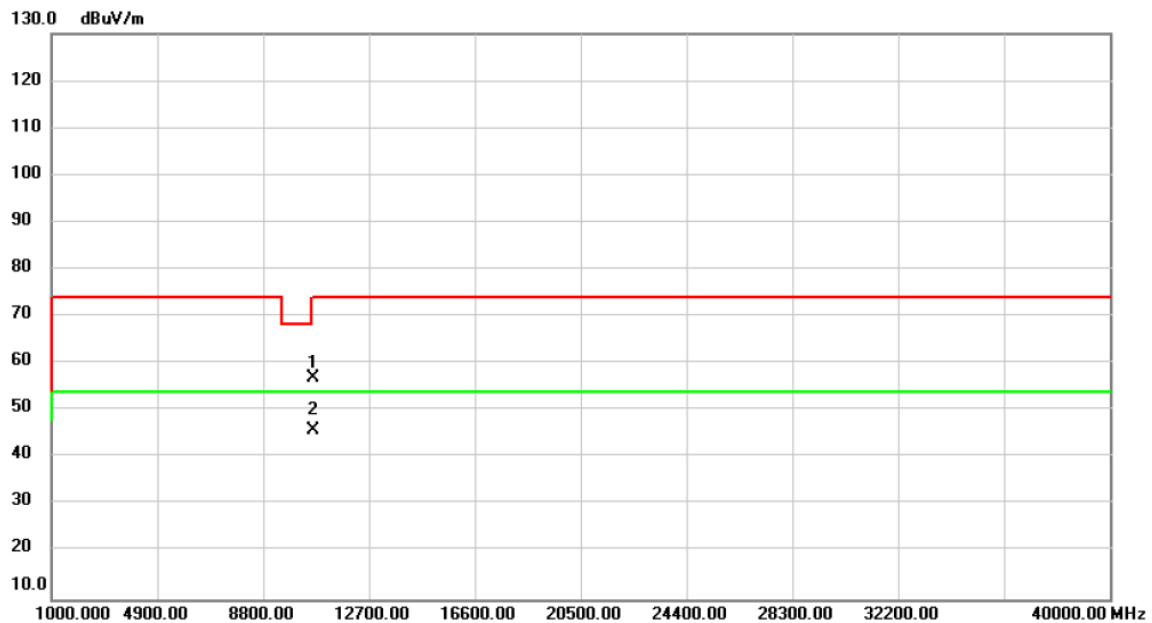


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		10600.00	51.73	5.31	57.04	68.20	-11.16	peak	
2	*	10600.00	40.57	5.31	45.88	54.00	-8.12	AVG	

REMARKS:

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

Test Mode	UNII-2A_ IEEE 802.11a	Test Date	2020/7/8
Test Frequency	CH64: 5320 MHz	Polarization	Vertical

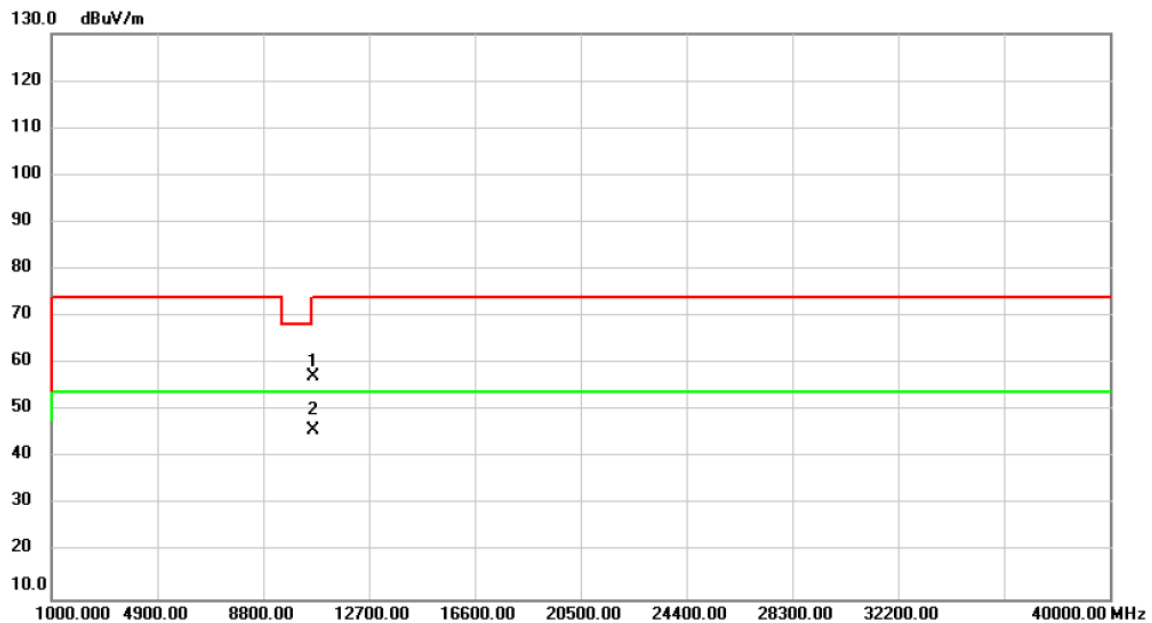


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		10640.00	51.40	5.43	56.83	74.00	-17.17	peak	
2	*	10640.00	40.51	5.43	45.94	54.00	-8.06	AVG	

REMARKS:

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

Test Mode	UNII-2A_ IEEE 802.11a	Test Date	2020/7/8
Test Frequency	CH64: 5320 MHz	Polarization	Horizontal

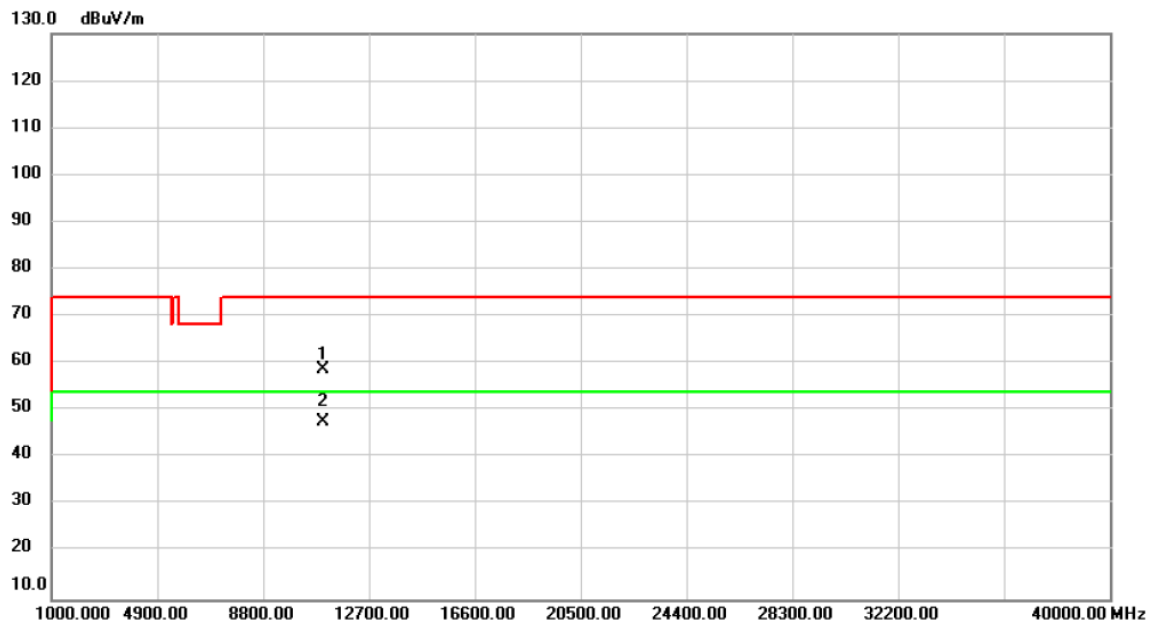


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		10640.00	51.79	5.43	57.22	74.00	-16.78	peak	
2	*	10640.00	40.46	5.43	45.89	54.00	-8.11	AVG	

REMARKS:

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

Test Mode	UNII-2C_ IEEE 802.11a	Test Date	2020/7/8
Test Frequency	CH100: 5500 MHz	Polarization	Vertical

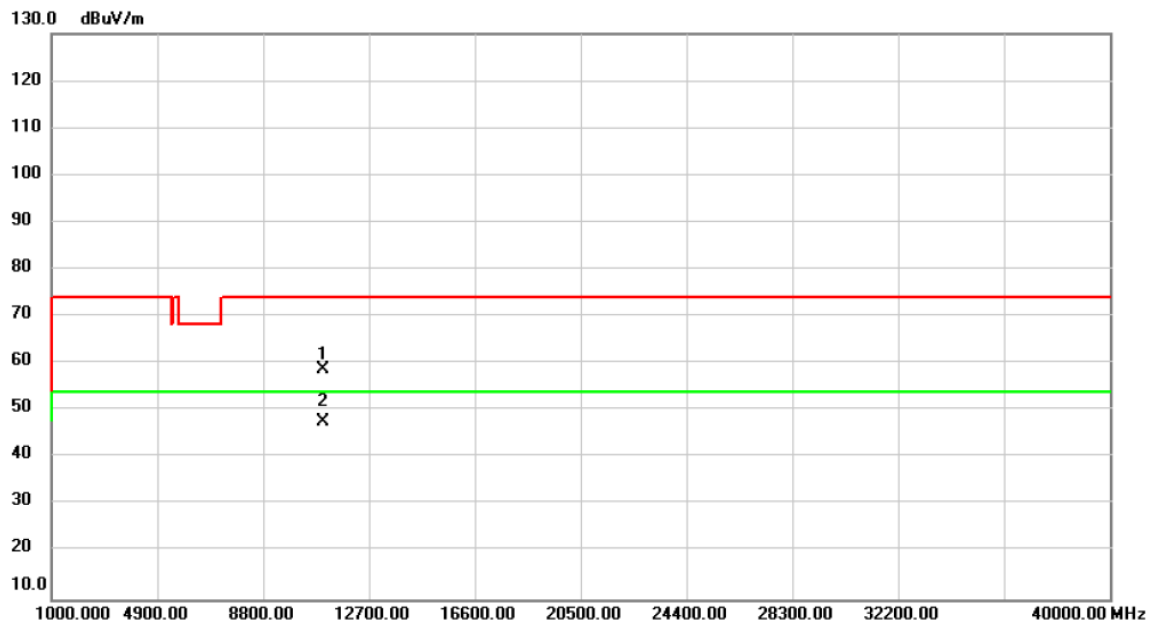


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11000.00	52.24	6.54	58.78	74.00	-15.22	peak	
2	*	11000.00	41.11	6.54	47.65	54.00	-6.35	AVG	

REMARKS:

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

Test Mode	UNII-2C_ IEEE 802.11a	Test Date	2020/7/8
Test Frequency	CH100: 5500 MHz	Polarization	Horizontal

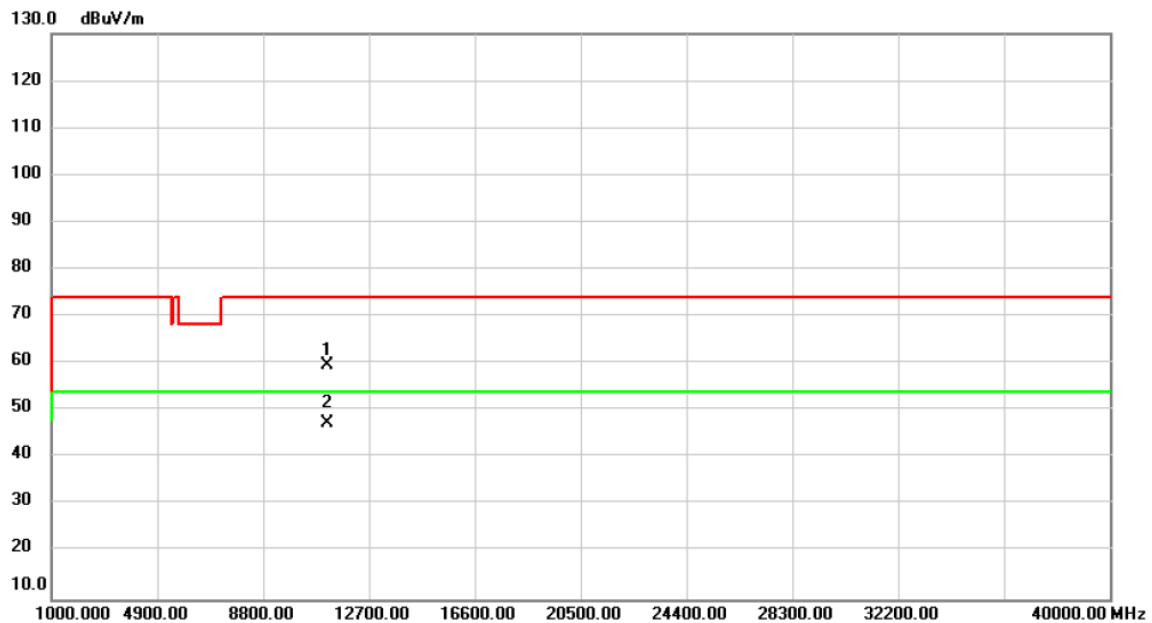


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11000.00	52.31	6.54	58.85	74.00	-15.15	peak	
2	*	11000.00	41.01	6.54	47.55	54.00	-6.45	AVG	

REMARKS:

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

Test Mode	UNII-2C_ IEEE 802.11a	Test Date	2020/7/8
Test Frequency	CH116: 5580 MHz	Polarization	Vertical

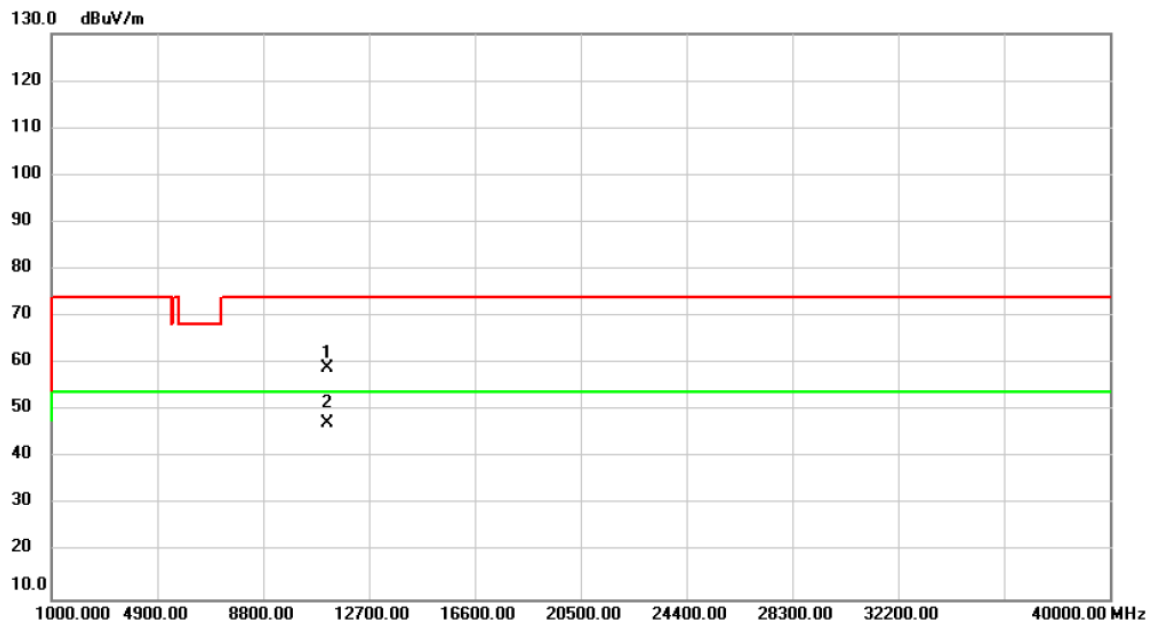


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11160.00	53.75	6.05	59.80	74.00	-14.20	peak	
2	*	11160.00	41.35	6.05	47.40	54.00	-6.60	AVG	

REMARKS:

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

Test Mode	UNII-2C_ IEEE 802.11a	Test Date	2020/7/8
Test Frequency	CH116: 5580 MHz	Polarization	Horizontal

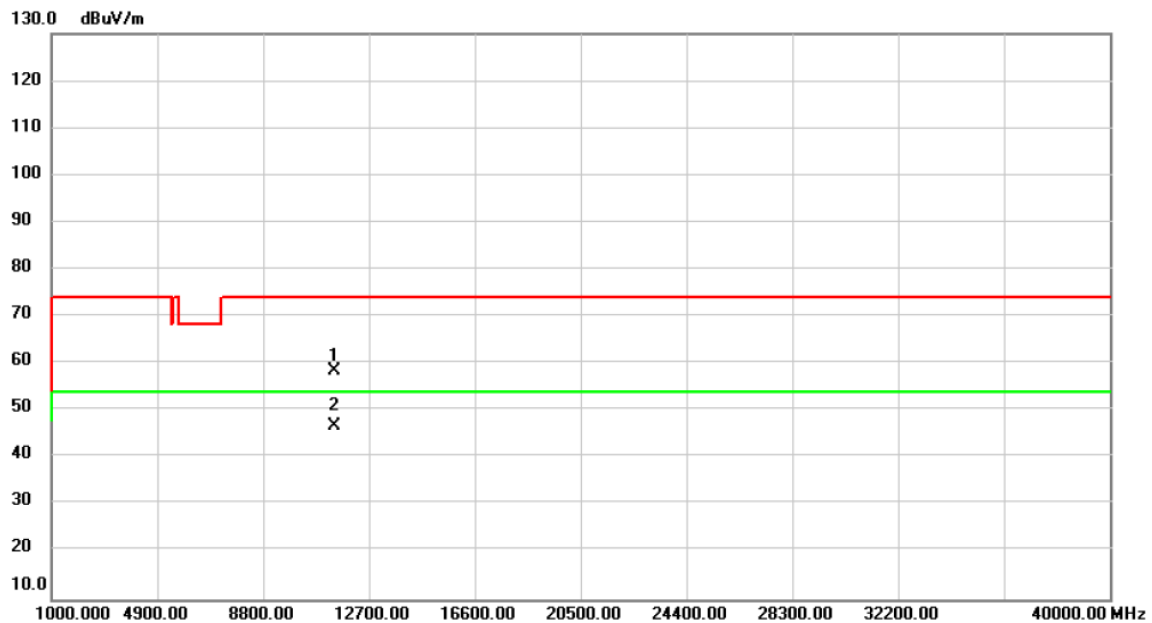


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		11160.00	53.04	6.05	59.09	74.00	-14.91	peak	
2	*	11160.00	41.35	6.05	47.40	54.00	-6.60	AVG	

REMARKS:

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

Test Mode	UNII-2C_ IEEE 802.11a	Test Date	2020/7/8
Test Frequency	CH140: 5700 MHz	Polarization	Vertical

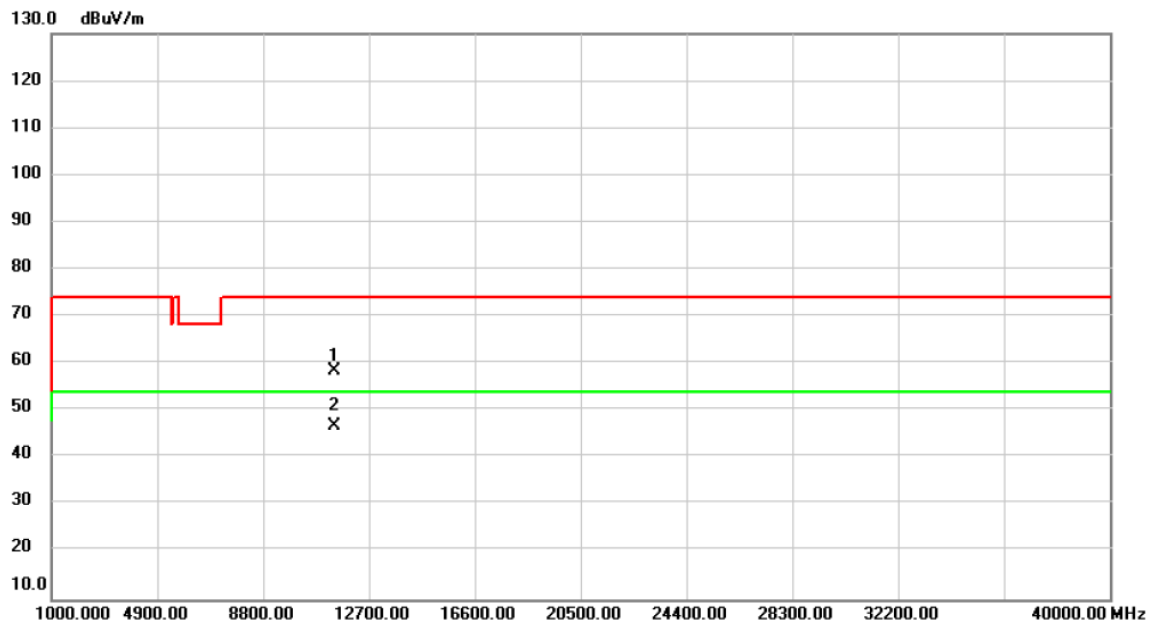


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11400.00	53.16	5.33	58.49	74.00	-15.51	peak	
2	*	11400.00	41.51	5.33	46.84	54.00	-7.16	AVG	

REMARKS:

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

Test Mode	UNII-2C_ IEEE 802.11a	Test Date	2020/7/8
Test Frequency	CH140: 5700 MHz	Polarization	Horizontal

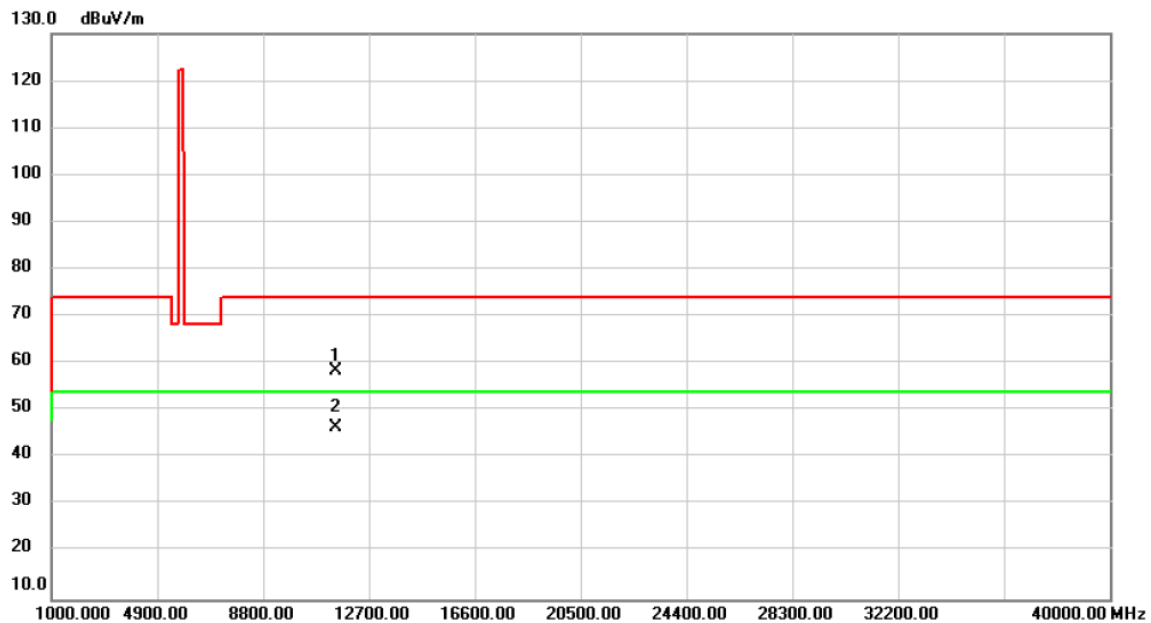


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11400.00	52.98	5.33	58.31	74.00	-15.69	peak	
2	*	11400.00	41.51	5.33	46.84	54.00	-7.16	AVG	

REMARKS:

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

Test Mode	UNII-3_ IEEE 802.11a	Test Date	2020/7/8
Test Frequency	CH149: 5745 MHz	Polarization	Vertical

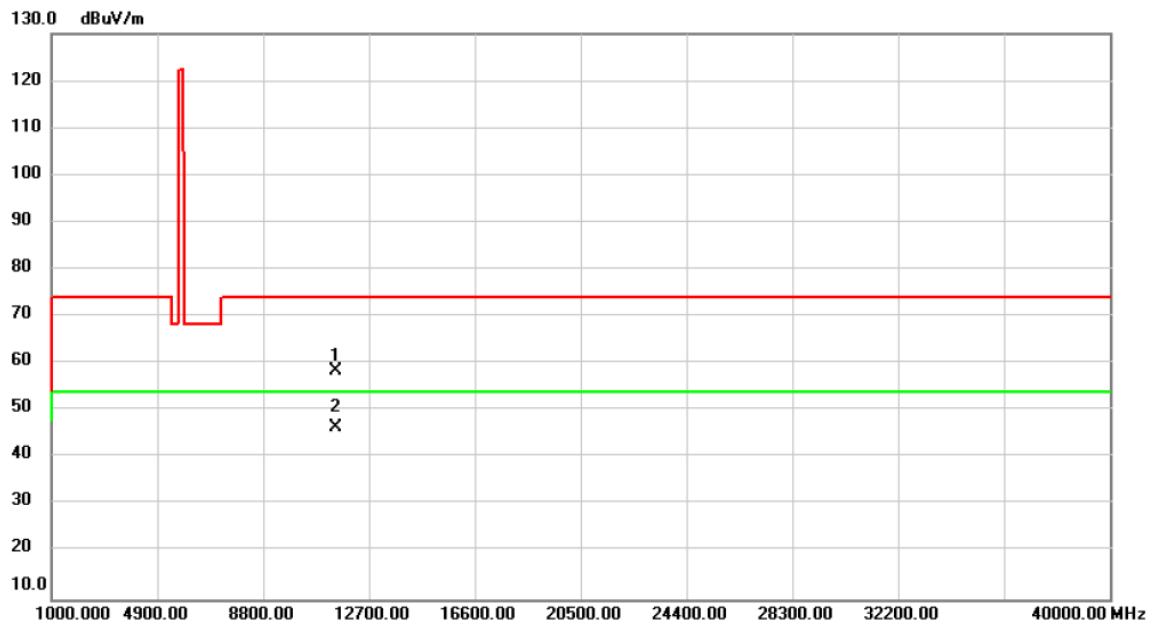


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11490.00	53.35	5.06	58.41	74.00	-15.59	peak	
2	*	11490.00	41.28	5.06	46.34	54.00	-7.66	AVG	

REMARKS:

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

Test Mode	UNII-3_ IEEE 802.11a	Test Date	2020/7/8
Test Frequency	CH149: 5745 MHz	Polarization	Horizontal

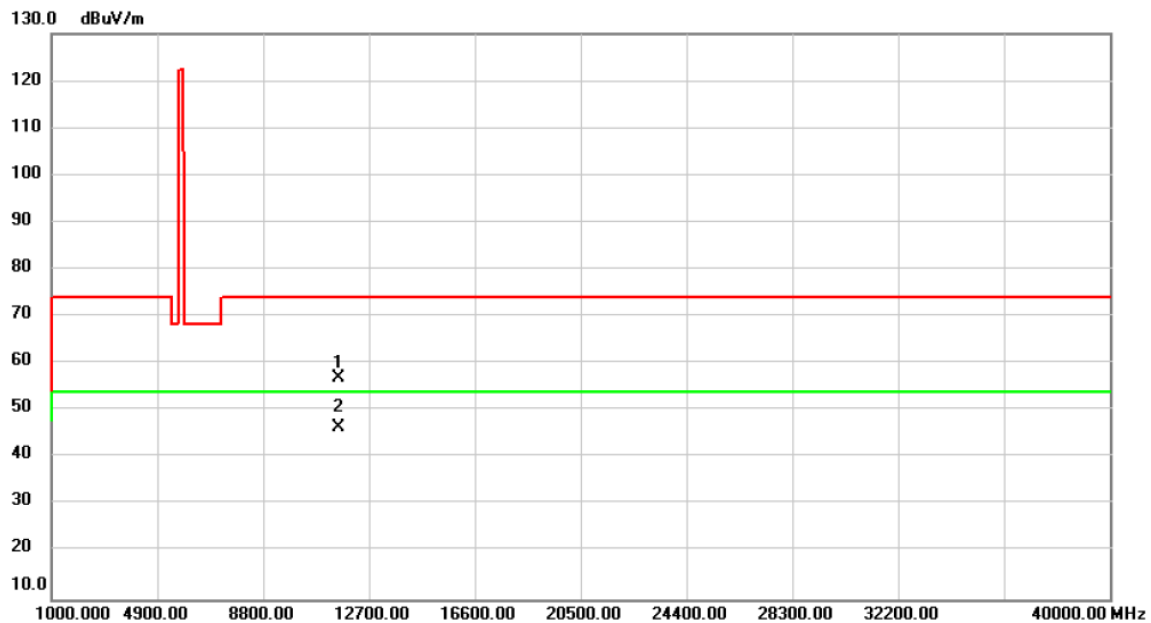


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11490.00	53.34	5.06	58.40	74.00	-15.60	peak	
2	*	11490.00	41.37	5.06	46.43	54.00	-7.57	AVG	

REMARKS:

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

Test Mode	UNII-3_ IEEE 802.11a	Test Date	2020/7/8
Test Frequency	CH157: 5785 MHz	Polarization	Vertical

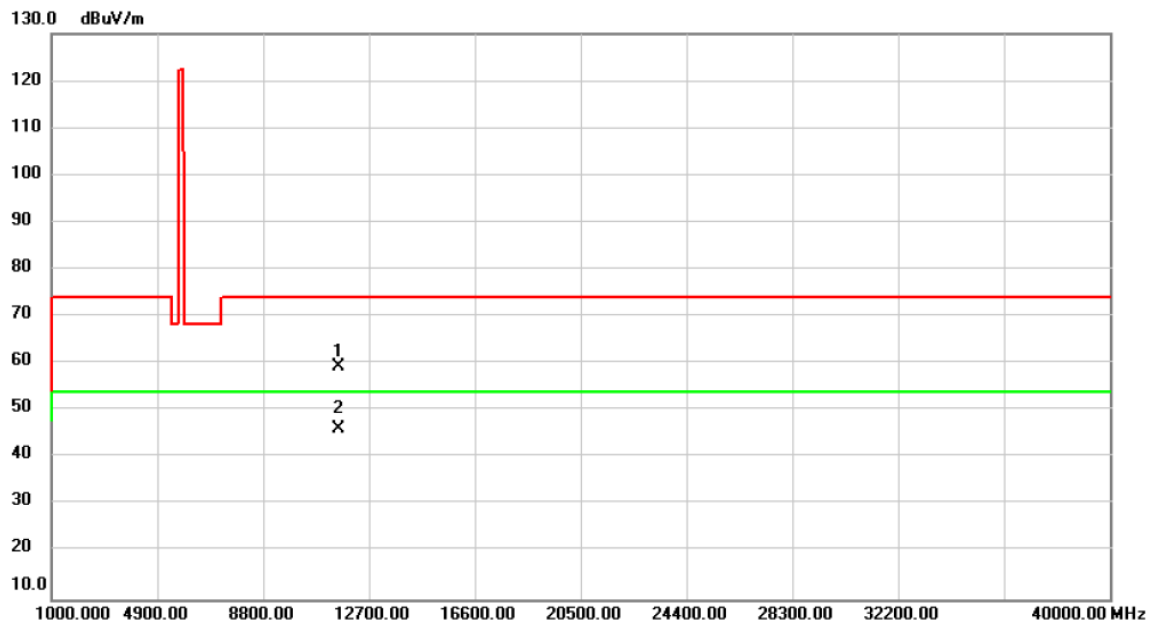


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		11570.00	52.20	4.87	57.07	74.00	-16.93	peak	
2	*	11570.00	41.48	4.87	46.35	54.00	-7.65	AVG	

REMARKS:

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

Test Mode	UNII-3_ IEEE 802.11a	Test Date	2020/7/8
Test Frequency	CH157: 5785 MHz	Polarization	Horizontal

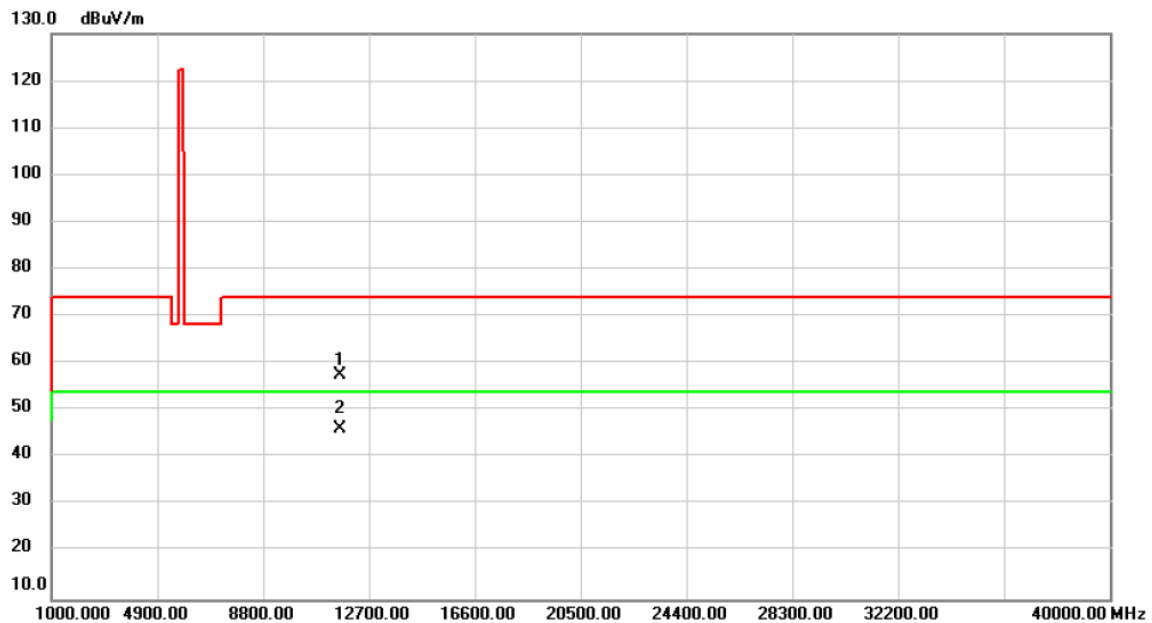


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		11570.00	54.45	4.87	59.32	74.00	-14.68	peak	
2	*	11570.00	41.37	4.87	46.24	54.00	-7.76	AVG	

REMARKS:

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

Test Mode	UNII-3_ IEEE 802.11a	Test Date	2020/7/8
Test Frequency	CH165: 5825 MHz	Polarization	Vertical

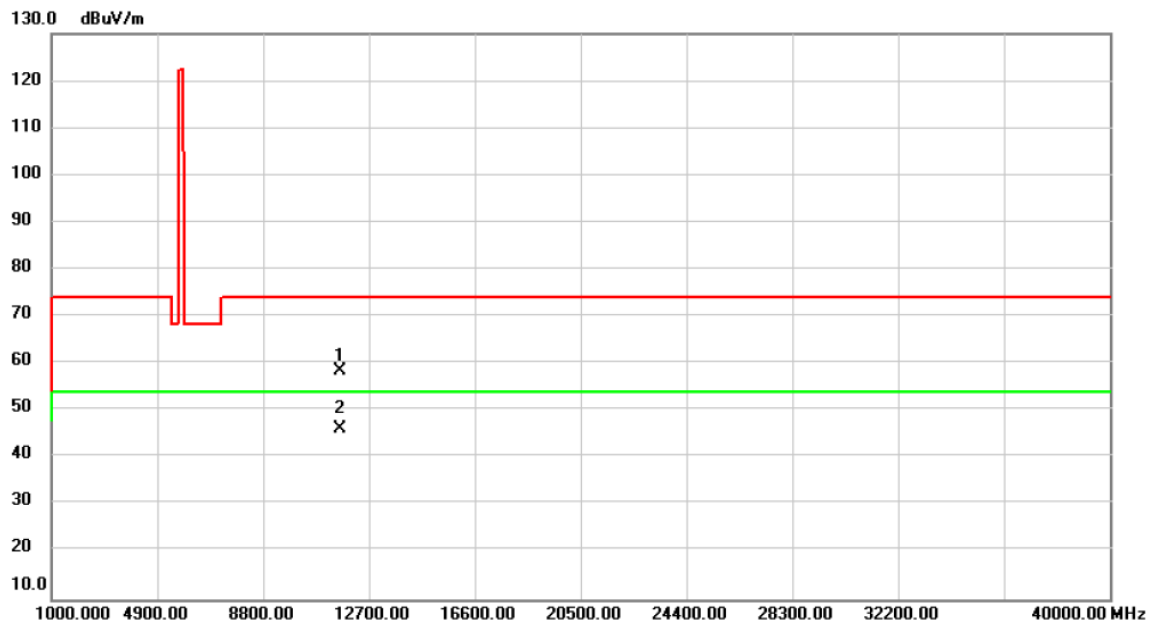


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		11650.00	52.76	4.69	57.45	74.00	-16.55	peak	
2	*	11650.00	41.53	4.69	46.22	54.00	-7.78	AVG	

REMARKS:

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

Test Mode	UNII-3_ IEEE 802.11a	Test Date	2020/7/8
Test Frequency	CH165: 5825 MHz	Polarization	Horizontal

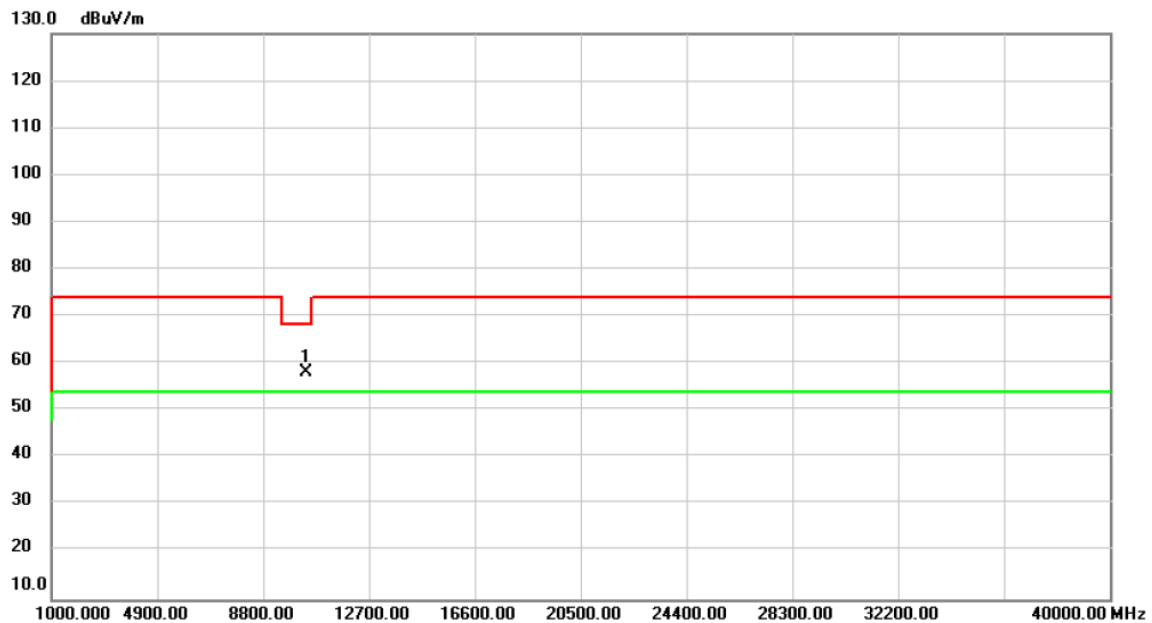


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		11650.00	53.74	4.69	58.43	74.00	-15.57	peak	
2	*	11650.00	41.39	4.69	46.08	54.00	-7.92	AVG	

REMARKS:

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

Test Mode	UNII-1_ IEEE 802.11n (HT20)	Test Date	2020/7/16
Test Frequency	CH36: 5180 MHz	Polarization	Vertical

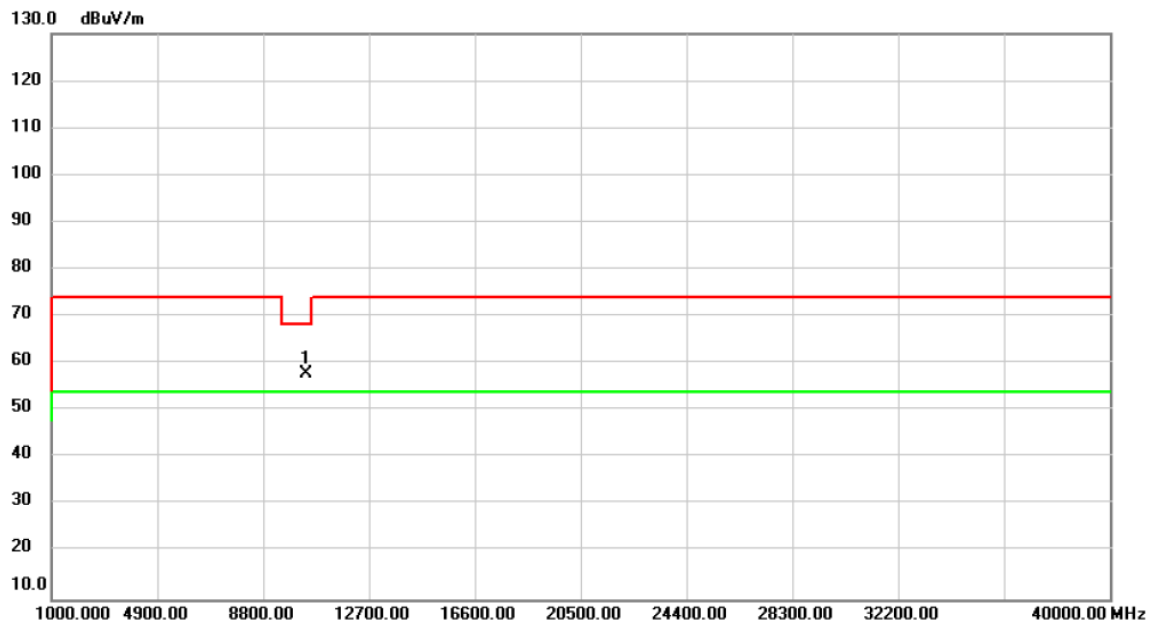


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10360.00	54.62	3.68	58.30	68.20	-9.90	peak	

REMARKS:

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

Test Mode	UNII-1_ IEEE 802.11n (HT20)	Test Date	2020/7/16
Test Frequency	CH36: 5180 MHz	Polarization	Horizontal

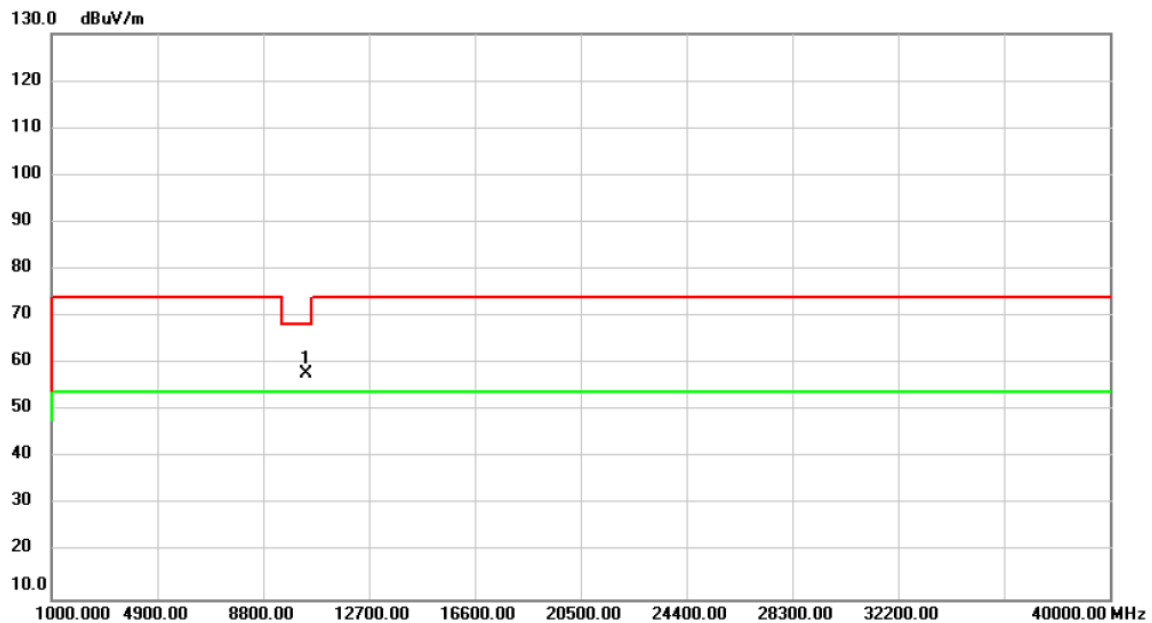


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10360.00	54.24	3.68	57.92	68.20	-10.28	peak	

REMARKS:

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

Test Mode	UNII-1_ IEEE 802.11n (HT20)	Test Date	2020/7/16
Test Frequency	CH40: 5200 MHz	Polarization	Vertical

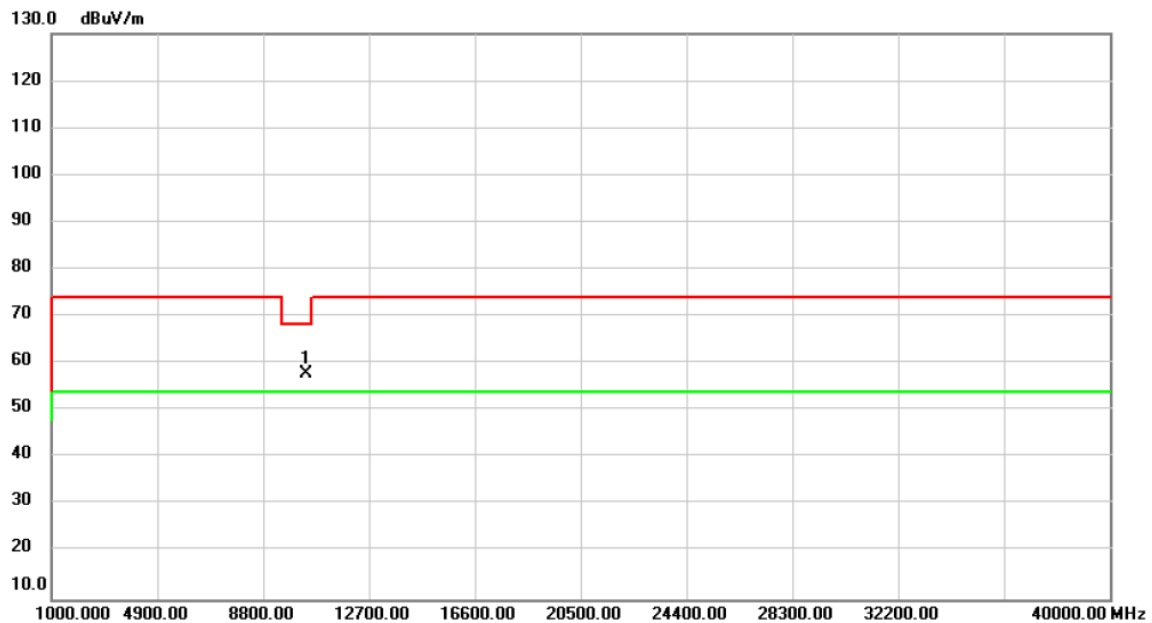


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10400.00	54.17	3.74	57.91	68.20	-10.29	peak	

REMARKS:

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

Test Mode	UNII-1_ IEEE 802.11n (HT20)	Test Date	2020/7/16
Test Frequency	CH40: 5200 MHz	Polarization	Horizontal

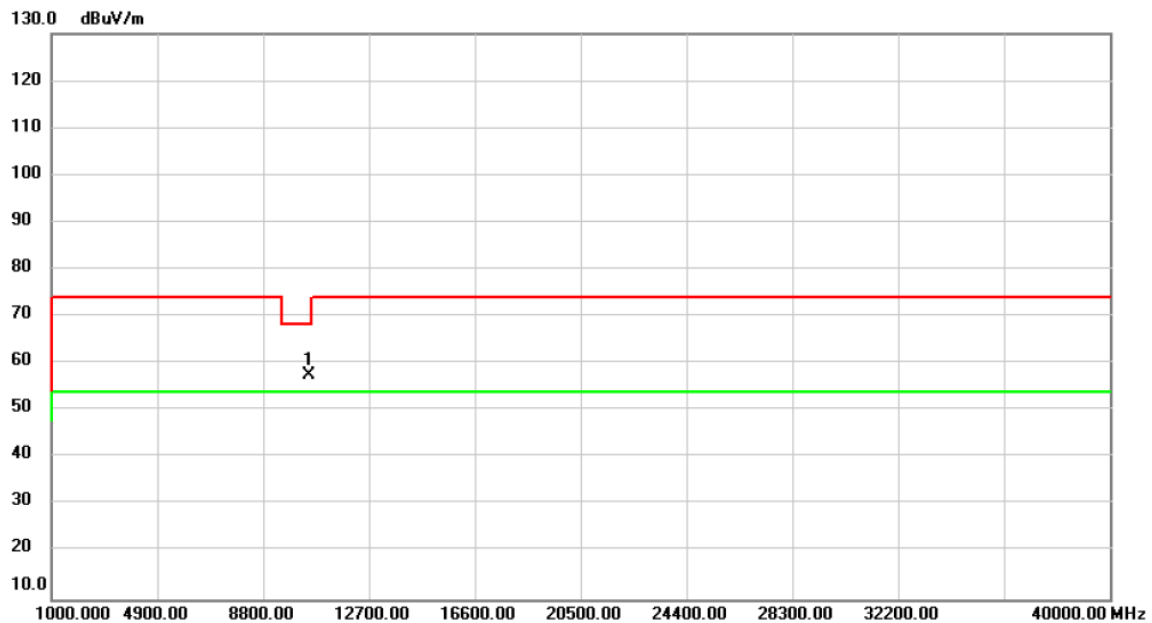


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10400.00	54.14	3.74	57.88	68.20	-10.32	peak	

REMARKS:

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

Test Mode	UNII-1_ IEEE 802.11n (HT20)	Test Date	2020/7/16
Test Frequency	CH48: 5240 MHz	Polarization	Vertical

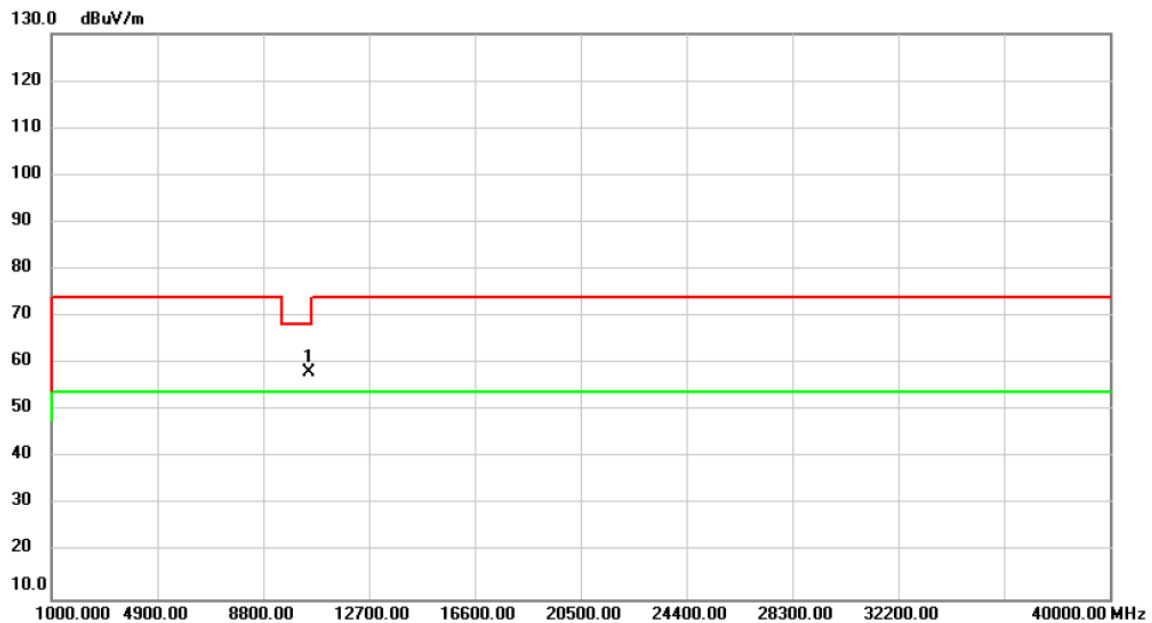


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10480.00	53.80	3.84	57.64	68.20	-10.56	peak	

REMARKS:

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

Test Mode	UNII-1_ IEEE 802.11n (HT20)	Test Date	2020/7/16
Test Frequency	CH48: 5240 MHz	Polarization	Horizontal

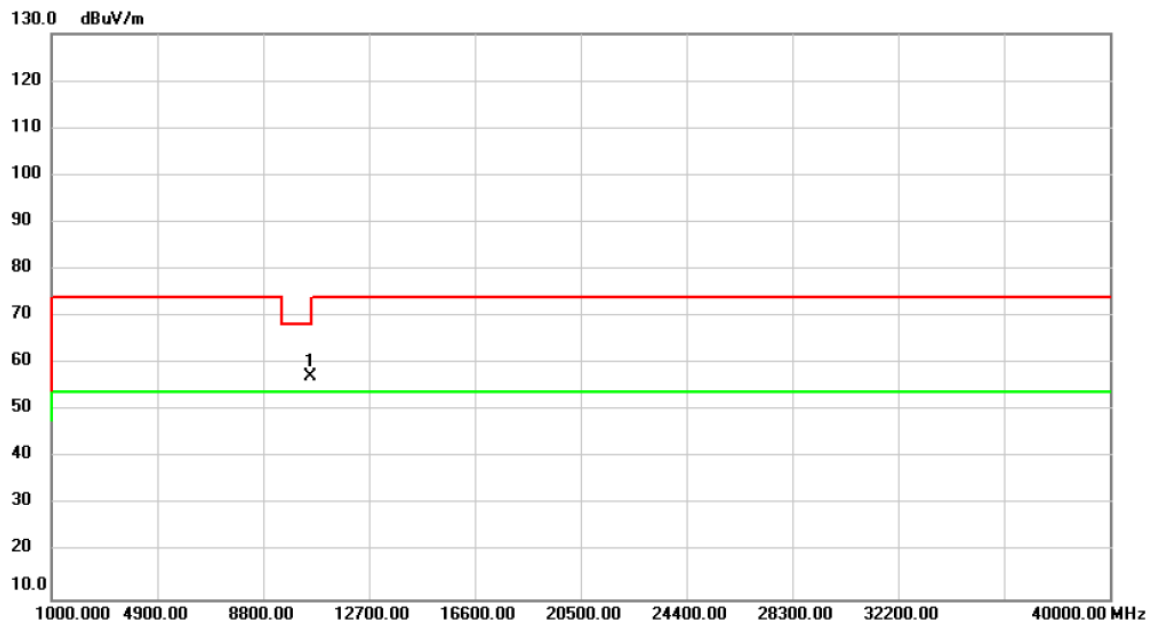


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10480.00	54.41	3.84	58.25	68.20	-9.95	peak	

REMARKS:

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

Test Mode	UNII-2A_ IEEE 802.11n (HT20)	Test Date	2020/7/8
Test Frequency	CH52: 5260 MHz	Polarization	Vertical

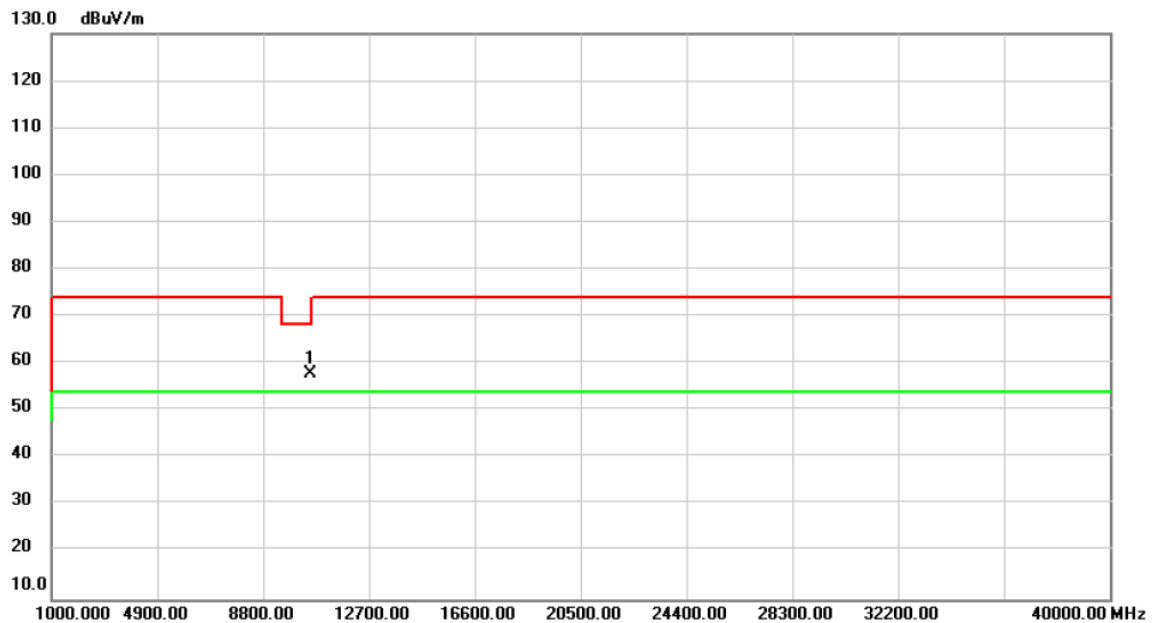


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10520.00	52.23	5.06	57.29	68.20	-10.91	peak	

REMARKS:

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

Test Mode	UNII-2A_ IEEE 802.11n (HT20)	Test Date	2020/7/8
Test Frequency	CH52: 5260 MHz	Polarization	Horizontal

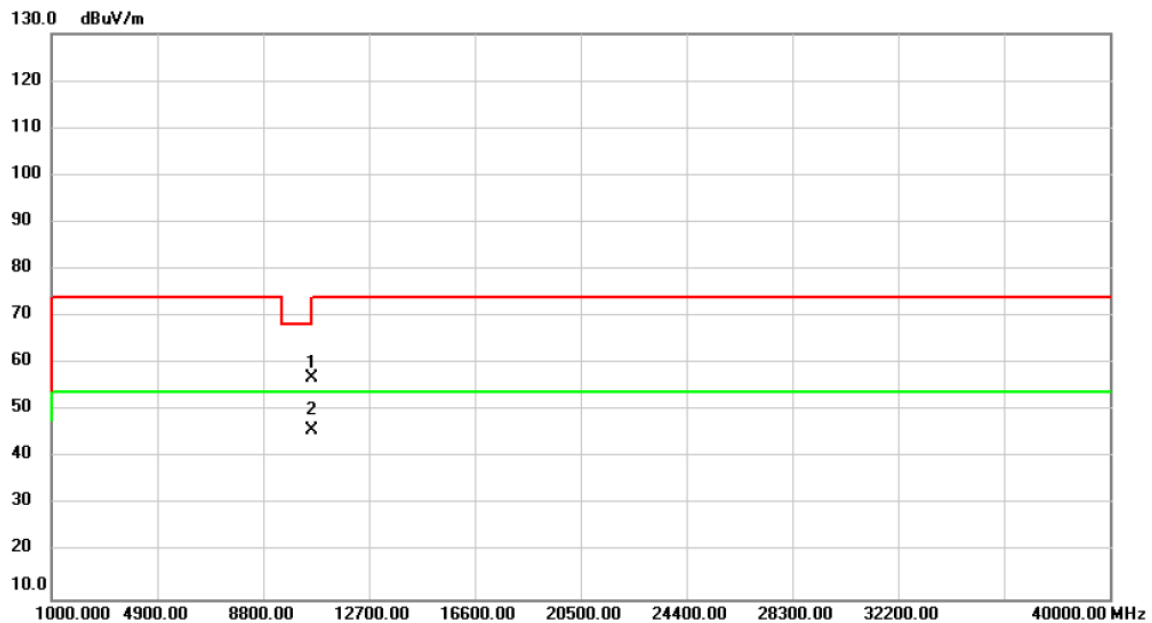


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10520.00	52.78	5.06	57.84	68.20	-10.36	peak	

REMARKS:

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

Test Mode	UNII-2A_ IEEE 802.11n (HT20)	Test Date	2020/7/8
Test Frequency	CH60: 5300 MHz	Polarization	Vertical

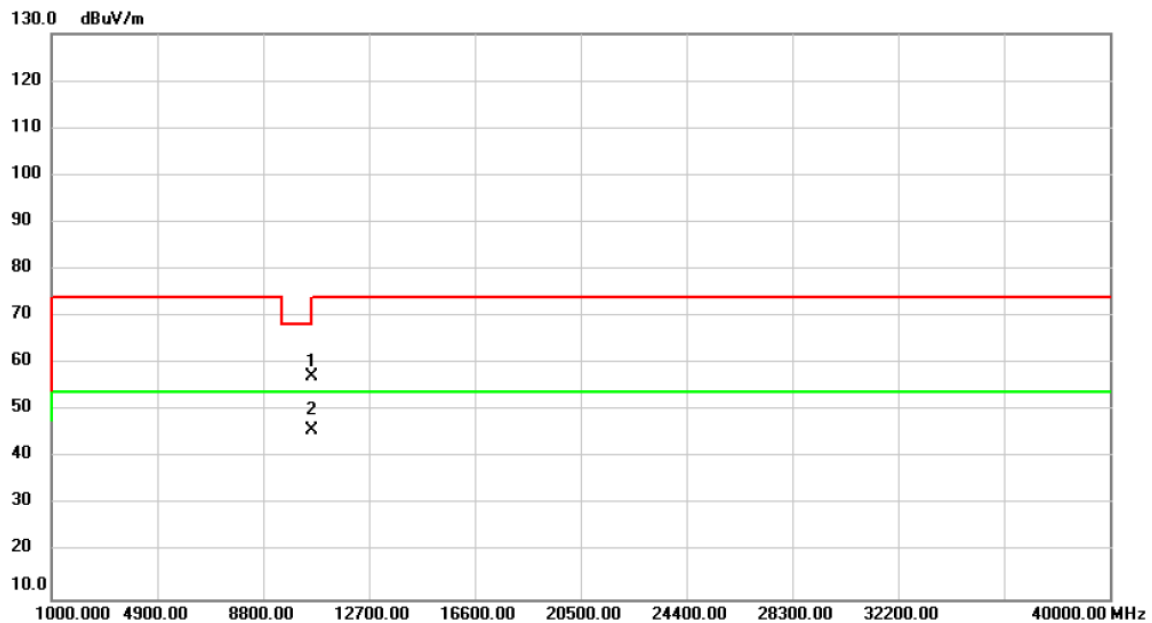


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10600.00	51.58	5.31	56.89	68.20	-11.31	peak	
2	*	10600.00	40.45	5.31	45.76	54.00	-8.24	AVG	

REMARKS:

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

Test Mode	UNII-2A_ IEEE 802.11n (HT20)	Test Date	2020/7/8
Test Frequency	CH60: 5300 MHz	Polarization	Horizontal

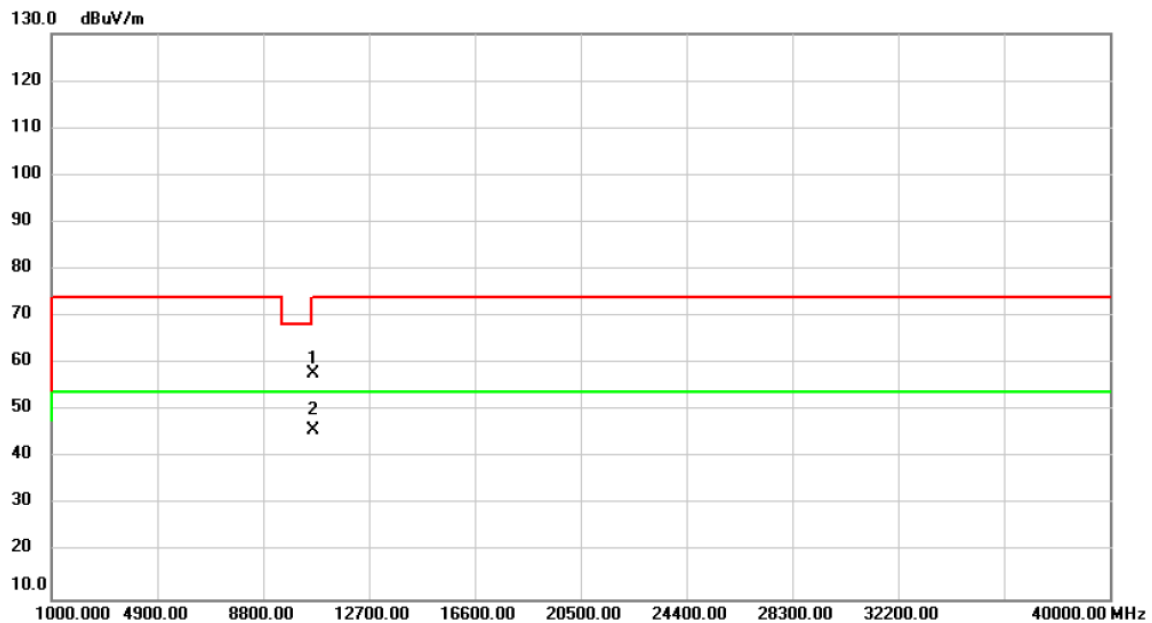


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10600.00	51.81	5.31	57.12	68.20	-11.08	peak	
2	*	10600.00	40.47	5.31	45.78	54.00	-8.22	AVG	

REMARKS:

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

Test Mode	UNII-2A_ IEEE 802.11n (HT20)	Test Date	2020/7/8
Test Frequency	CH64: 5320 MHz	Polarization	Vertical

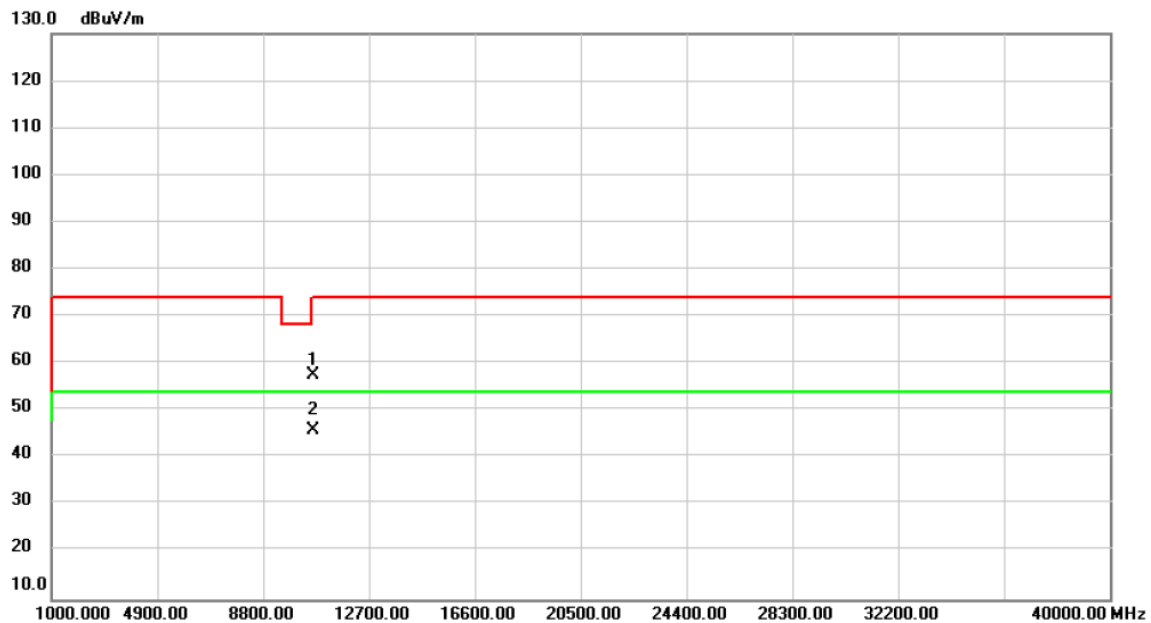


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10640.00	52.48	5.43	57.91	74.00	-16.09	peak	
2	*	10640.00	40.46	5.43	45.89	54.00	-8.11	AVG	

REMARKS:

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

Test Mode	UNII-2A_ IEEE 802.11n (HT20)	Test Date	2020/7/8
Test Frequency	CH64: 5320 MHz	Polarization	Horizontal

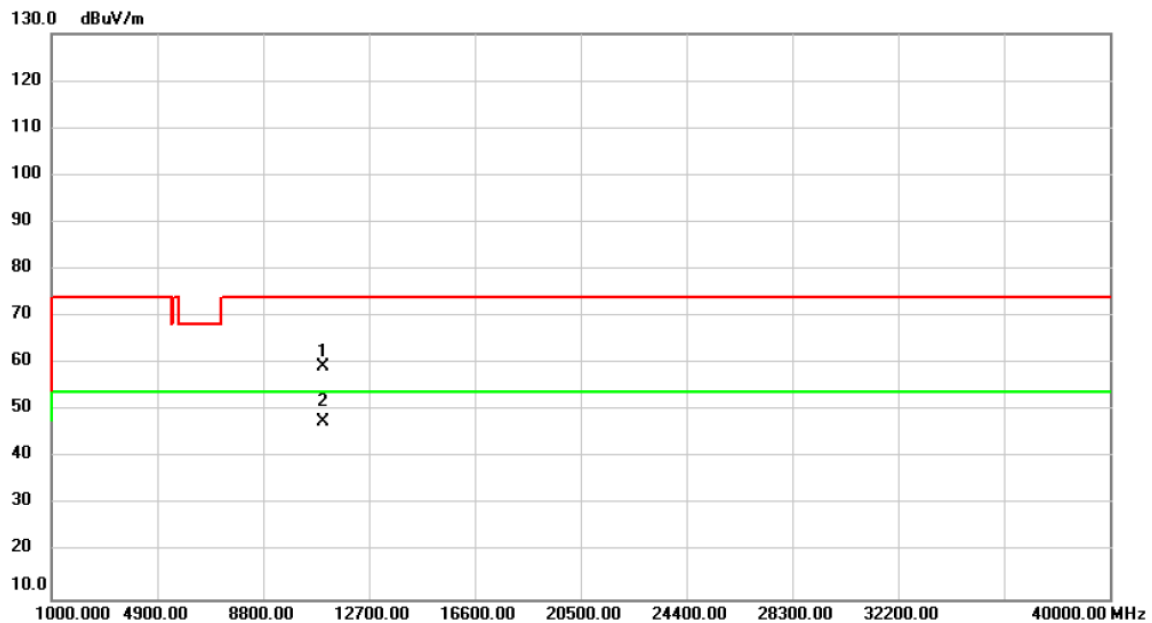


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10640.00	52.05	5.43	57.48	74.00	-16.52	peak	
2	*	10640.00	40.43	5.43	45.86	54.00	-8.14	AVG	

REMARKS:

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

Test Mode	UNII-2C_ IEEE 802.11n (HT20)	Test Date	2020/7/8
Test Frequency	CH100: 5500 MHz	Polarization	Vertical

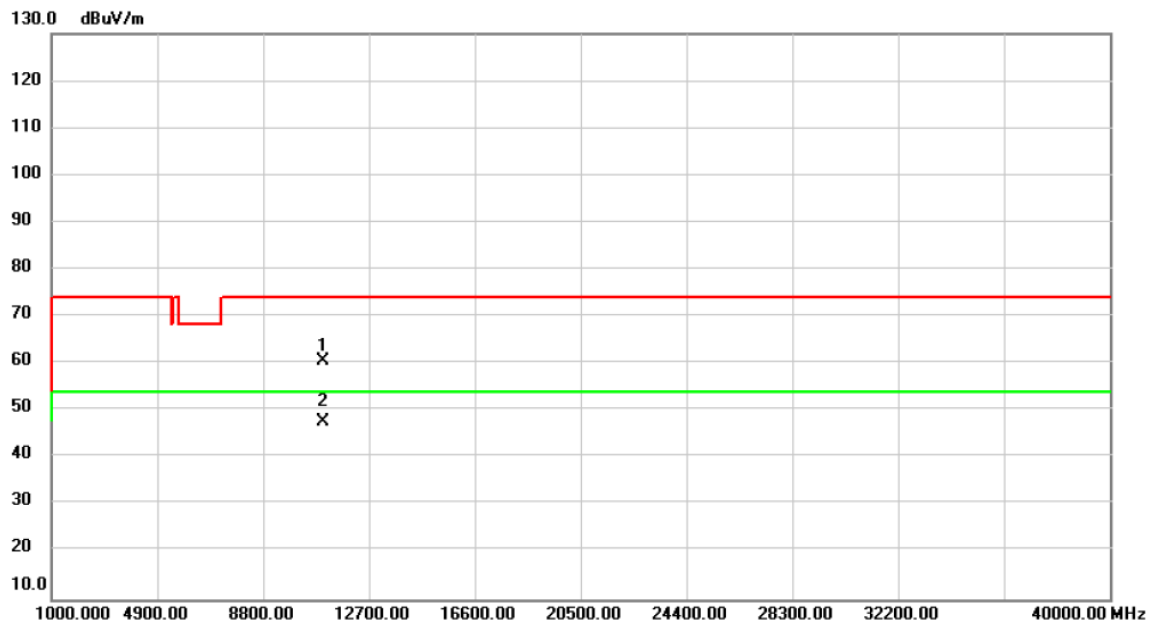


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		11000.00	52.77	6.54	59.31	74.00	-14.69	peak	
2	*	11000.00	41.13	6.54	47.67	54.00	-6.33	AVG	

REMARKS:

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

Test Mode	UNII-2C_ IEEE 802.11n (HT20)	Test Date	2020/7/8
Test Frequency	CH100: 5500 MHz	Polarization	Horizontal

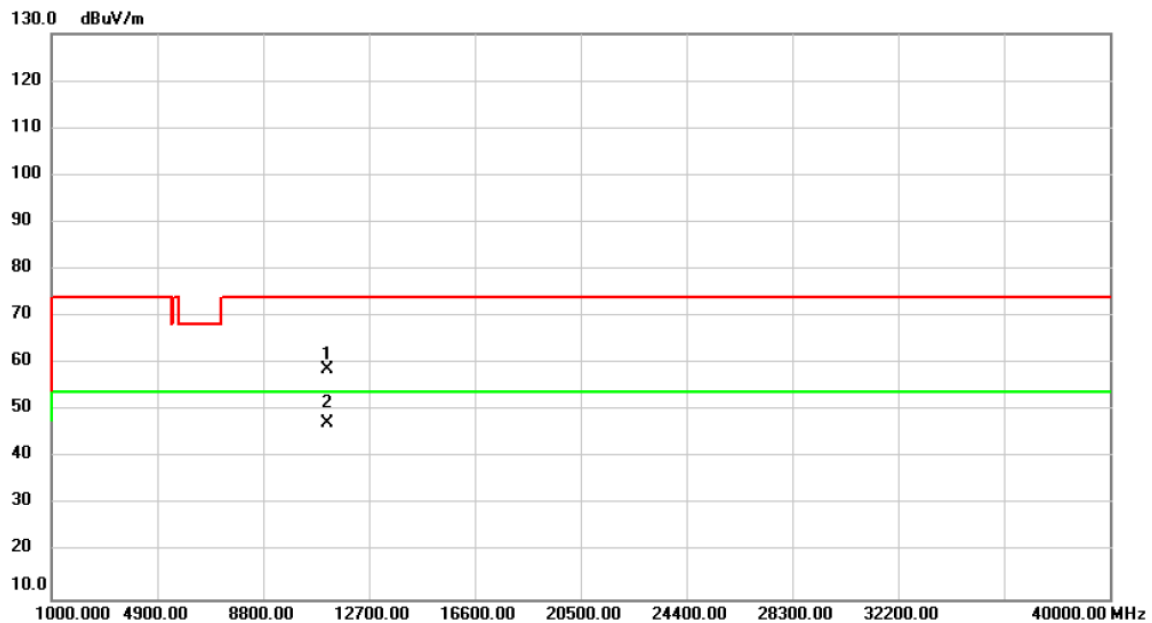


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11000.00	53.93	6.54	60.47	74.00	-13.53	peak	
2	*	11000.00	41.14	6.54	47.68	54.00	-6.32	AVG	

REMARKS:

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

Test Mode	UNII-2C_ IEEE 802.11n (HT20)	Test Date	2020/7/8
Test Frequency	CH116: 5580 MHz	Polarization	Vertical

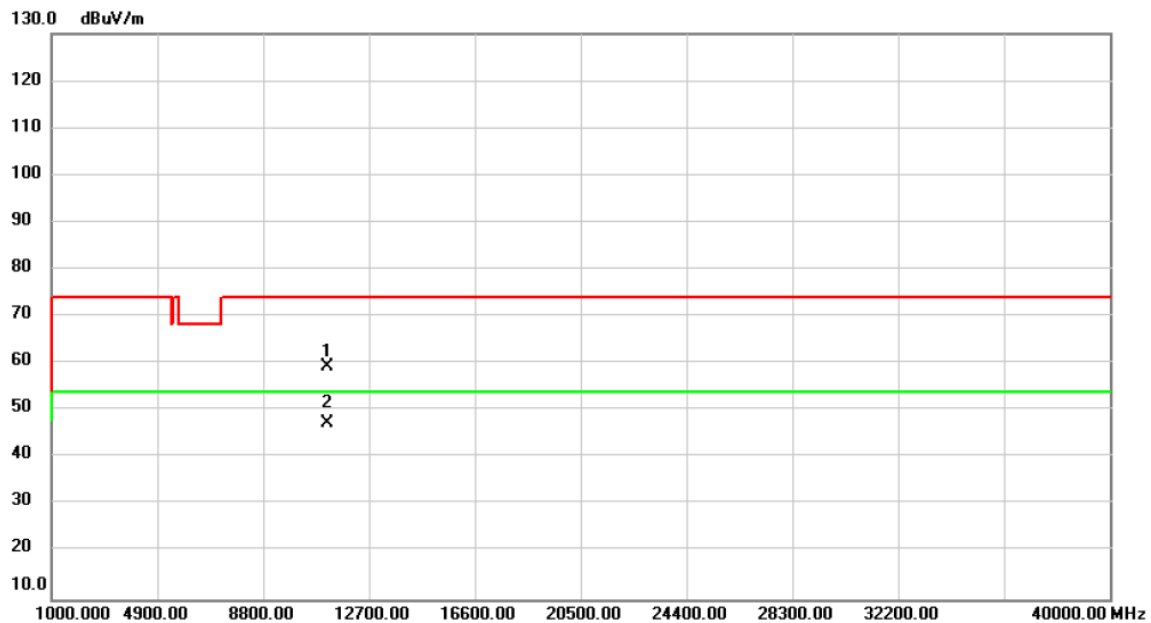


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11160.00	52.66	6.05	58.71	74.00	-15.29	peak	
2	*	11160.00	41.30	6.05	47.35	54.00	-6.65	AVG	

REMARKS:

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

Test Mode	UNII-2C_ IEEE 802.11n (HT20)	Test Date	2020/7/8
Test Frequency	CH116: 5580 MHz	Polarization	Horizontal

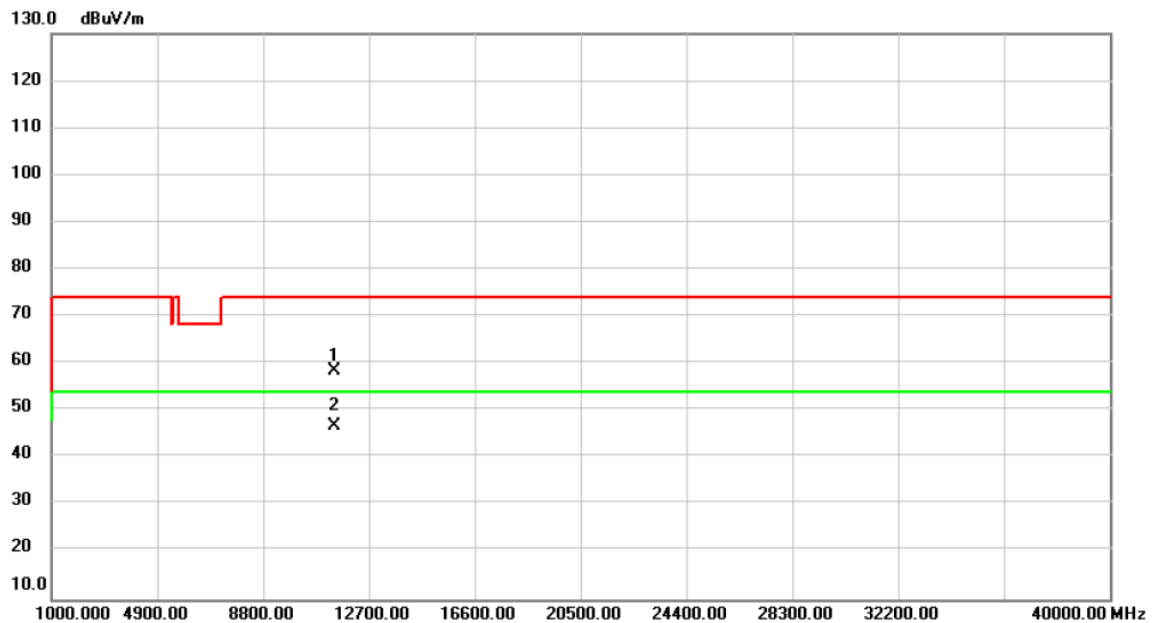


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11160.00	53.40	6.05	59.45	74.00	-14.55	peak	
2	*	11160.00	41.33	6.05	47.38	54.00	-6.62	AVG	

REMARKS:

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

Test Mode	UNII-2C_ IEEE 802.11n (HT20)	Test Date	2020/7/8
Test Frequency	CH140: 5700 MHz	Polarization	Vertical

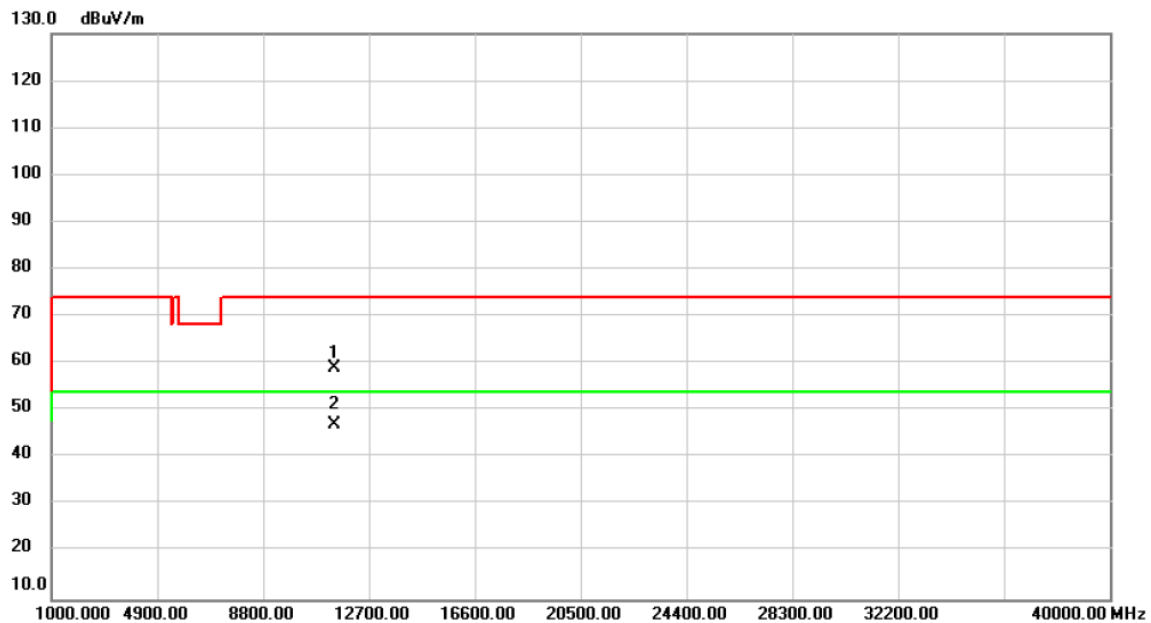


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		11400.00	53.08	5.33	58.41	74.00	-15.59	peak	
2	*	11400.00	41.56	5.33	46.89	54.00	-7.11	AVG	

REMARKS:

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

Test Mode	UNII-2C_ IEEE 802.11n (HT20)	Test Date	2020/7/8
Test Frequency	CH140: 5700 MHz	Polarization	Horizontal

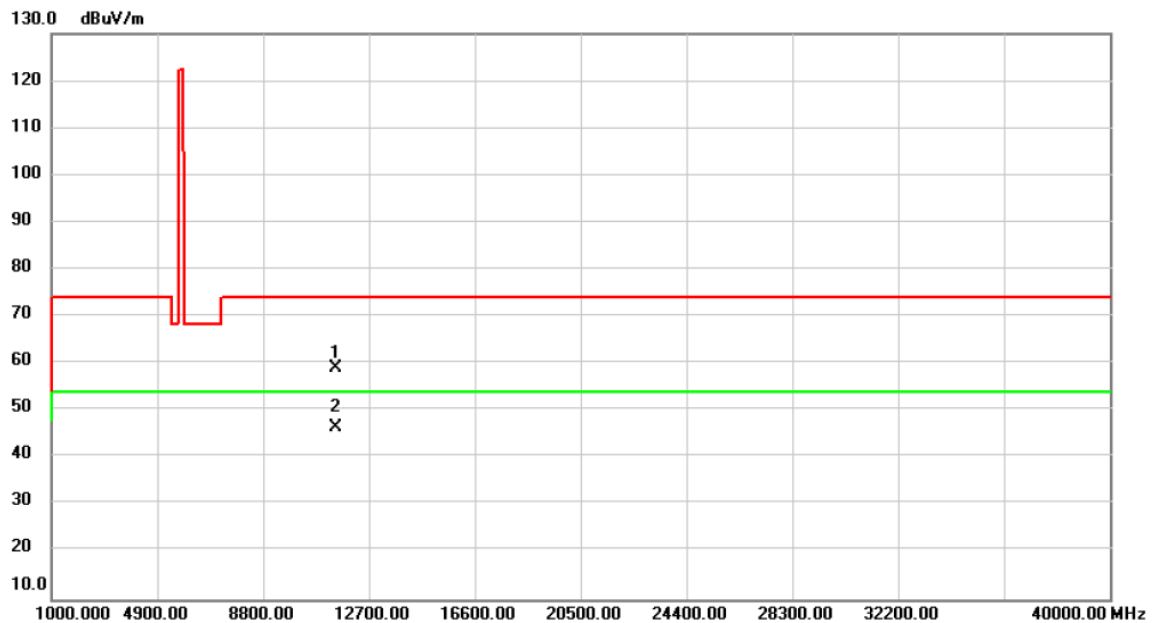


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11400.00	53.67	5.33	59.00	74.00	-15.00	peak	
2	*	11400.00	41.59	5.33	46.92	54.00	-7.08	AVG	

REMARKS:

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

Test Mode	UNII-3_ IEEE 802.11n (HT20)	Test Date	2020/7/8
Test Frequency	CH149: 5745 MHz	Polarization	Vertical

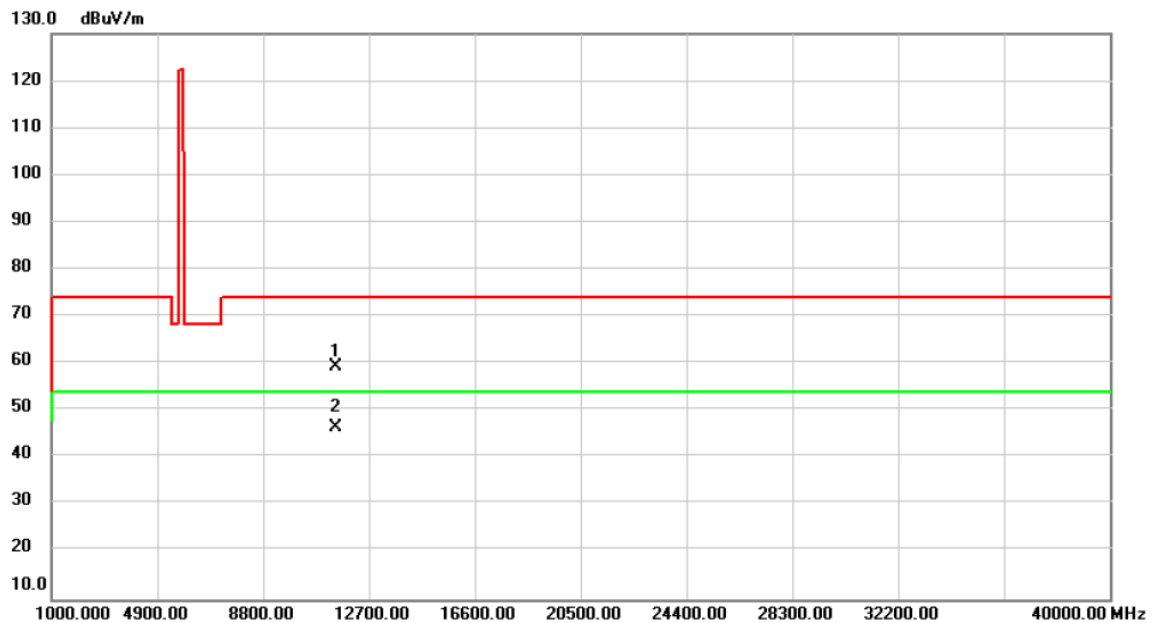


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		11490.00	53.99	5.06	59.05	74.00	-14.95	peak	
2	*	11490.00	41.37	5.06	46.43	54.00	-7.57	AVG	

REMARKS:

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

Test Mode	UNII-3_ IEEE 802.11n (HT20)	Test Date	2020/7/8
Test Frequency	CH149: 5745 MHz	Polarization	Horizontal

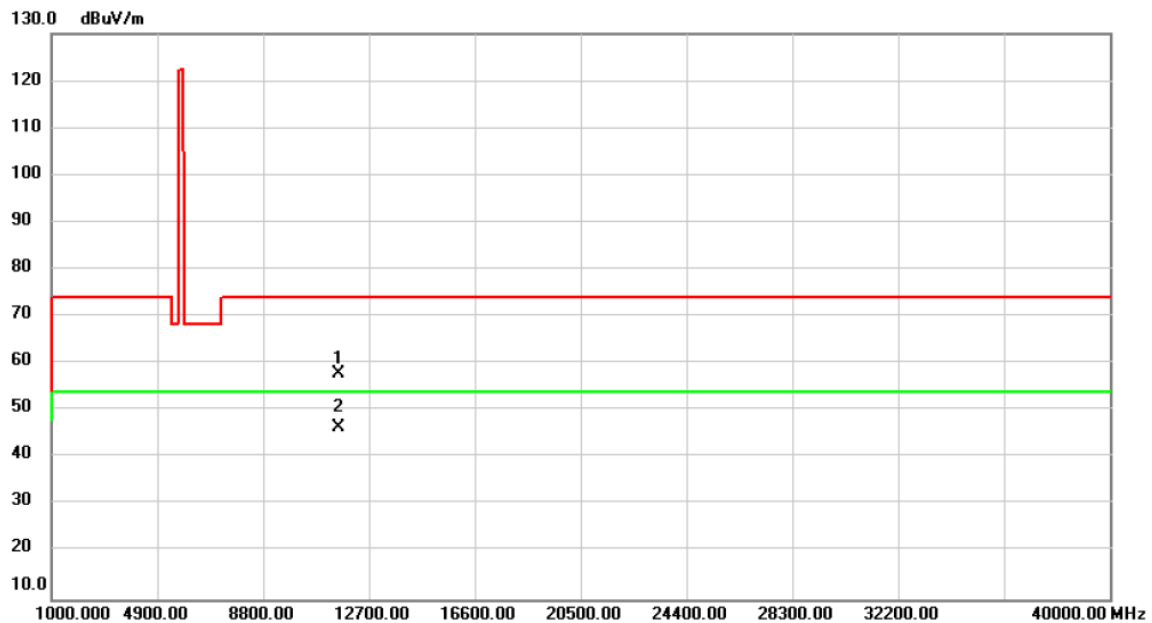


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11490.00	54.31	5.06	59.37	74.00	-14.63	peak	
2	*	11490.00	41.43	5.06	46.49	54.00	-7.51	AVG	

REMARKS:

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

Test Mode	UNII-3_ IEEE 802.11n (HT20)	Test Date	2020/7/8
Test Frequency	CH157: 5785 MHz	Polarization	Vertical

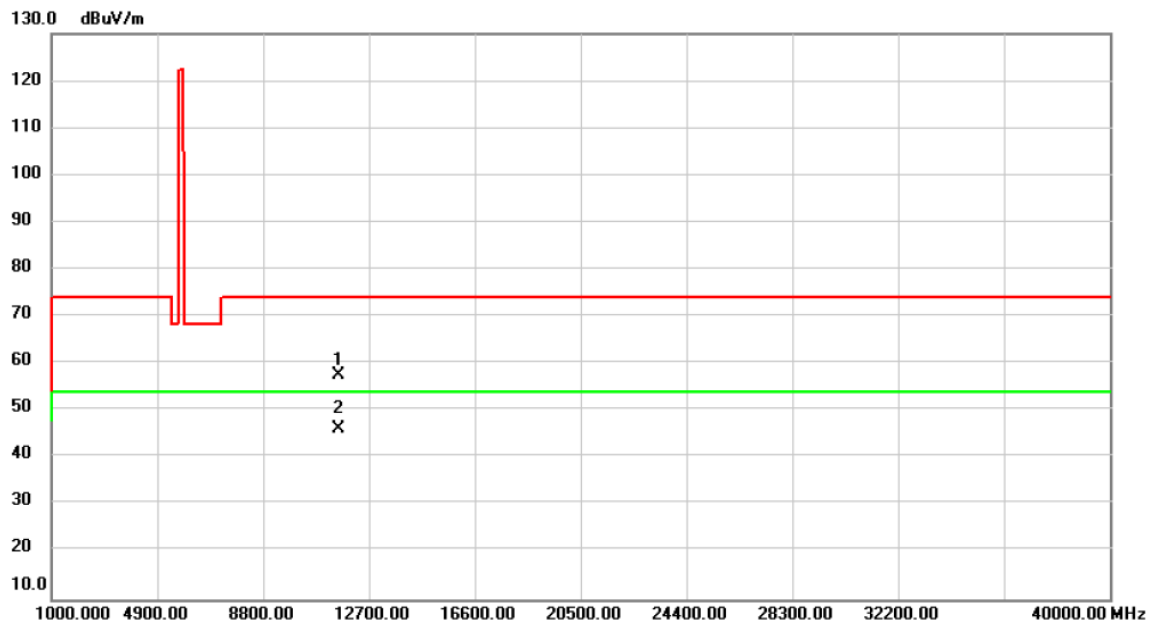


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		11570.00	53.12	4.87	57.99	74.00	-16.01	peak	
2	*	11570.00	41.46	4.87	46.33	54.00	-7.67	AVG	

REMARKS:

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

Test Mode	UNII-3_ IEEE 802.11n (HT20)	Test Date	2020/7/8
Test Frequency	CH157: 5785 MHz	Polarization	Horizontal

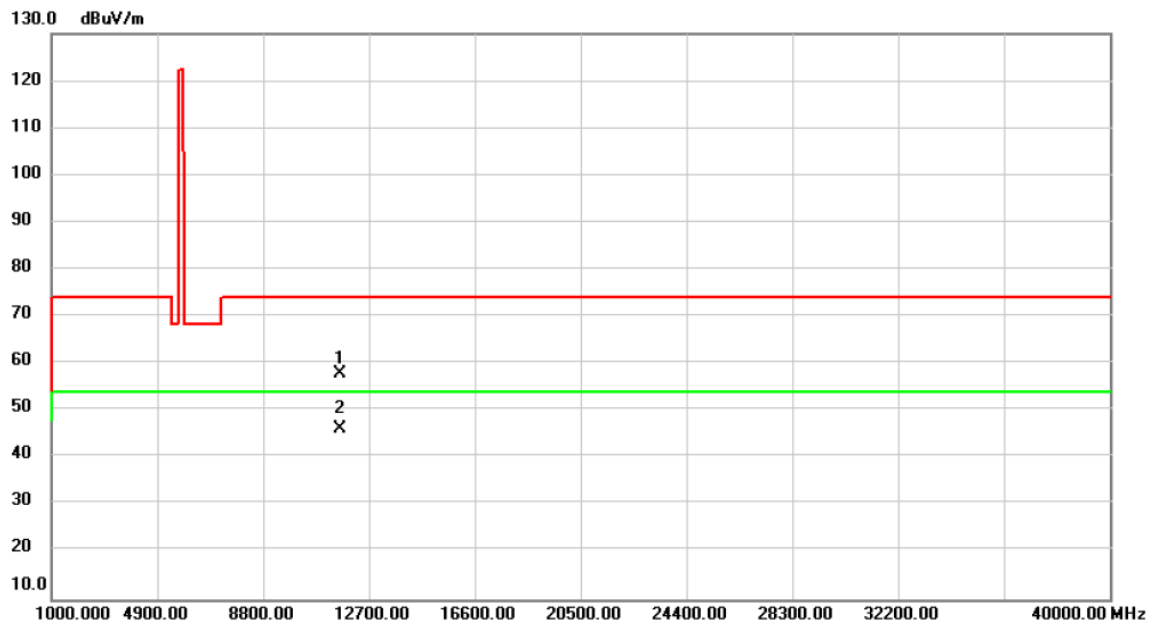


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		11570.00	52.60	4.87	57.47	74.00	-16.53	peak	
2	*	11570.00	41.38	4.87	46.25	54.00	-7.75	AVG	

REMARKS:

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

Test Mode	UNII-3_ IEEE 802.11n (HT20)	Test Date	2020/7/8
Test Frequency	CH165: 5825 MHz	Polarization	Vertical

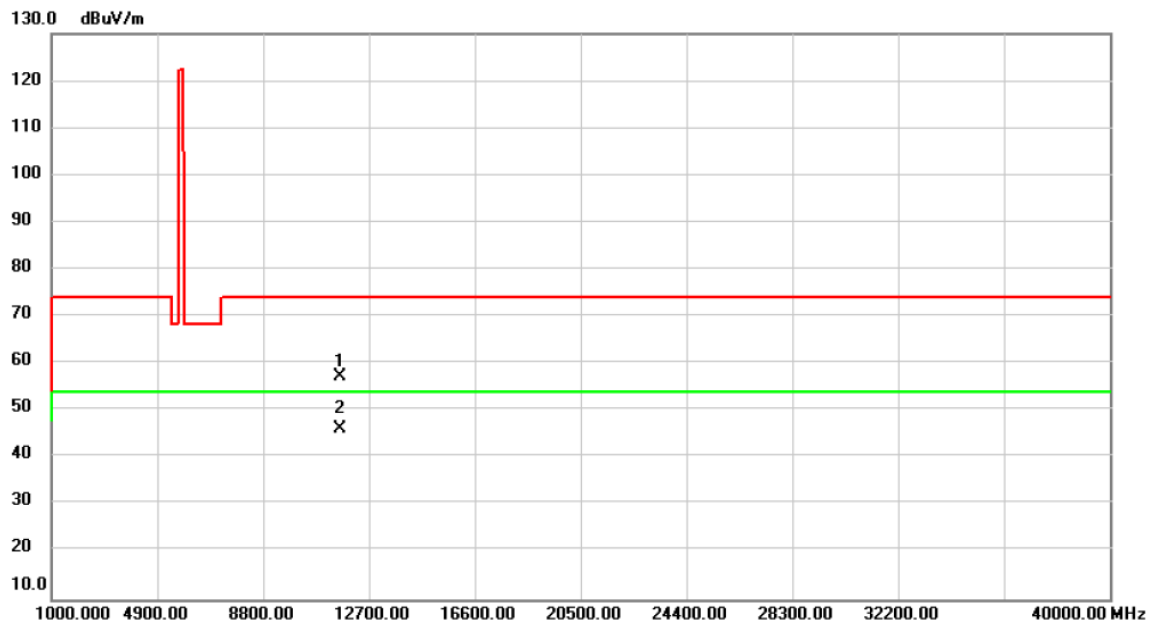


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		11650.00	53.09	4.69	57.78	74.00	-16.22	peak	
2	*	11650.00	41.50	4.69	46.19	54.00	-7.81	AVG	

REMARKS:

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

Test Mode	UNII-3_ IEEE 802.11n (HT20)	Test Date	2020/7/8
Test Frequency	CH165: 5825 MHz	Polarization	Horizontal

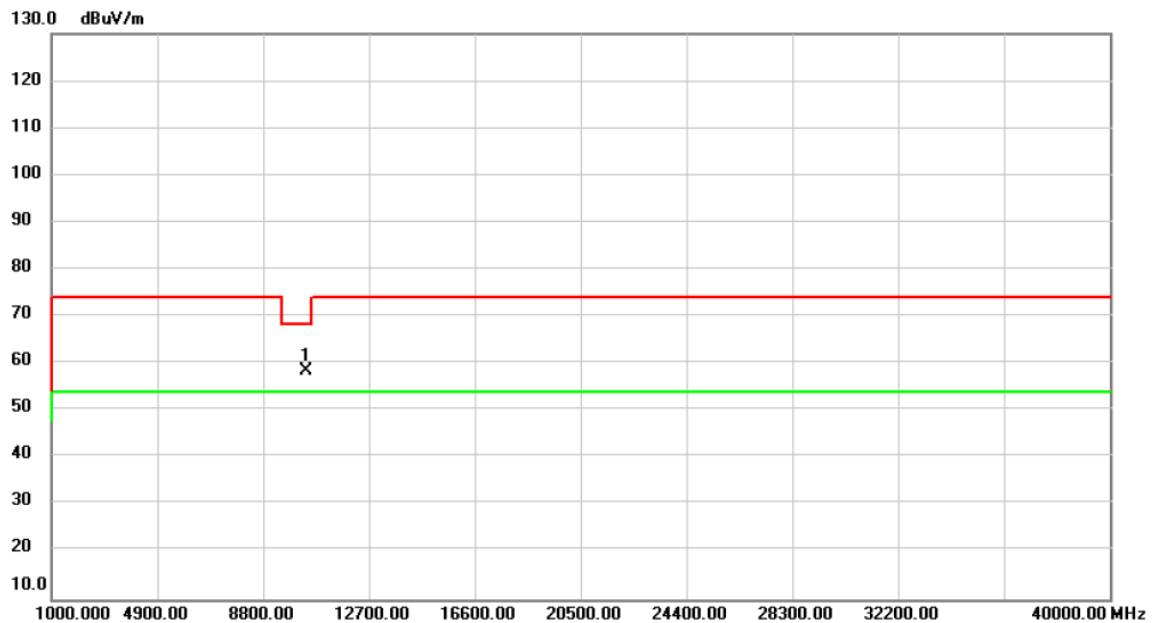


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11650.00	52.69	4.69	57.38	74.00	-16.62	peak	
2	*	11650.00	41.42	4.69	46.11	54.00	-7.89	AVG	

REMARKS:

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

Test Mode	UNII-1_ IEEE 802.11n (HT40)	Test Date	2020/7/16
Test Frequency	CH38: 5190 MHz	Polarization	Vertical

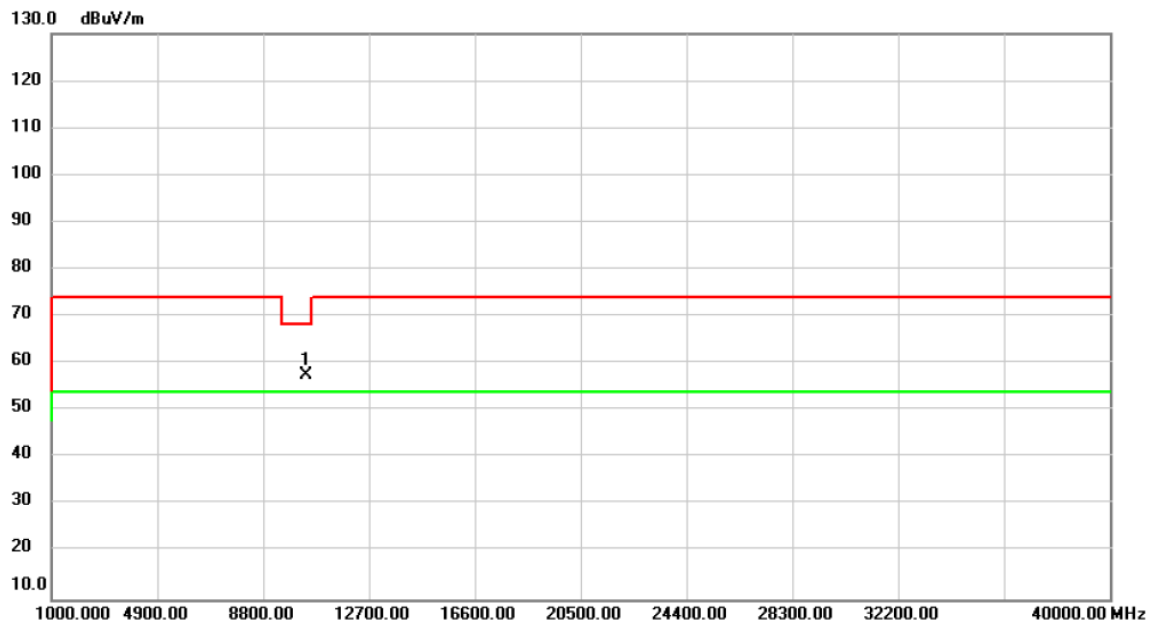


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10380.00	54.81	3.71	58.52	68.20	-9.68	peak	

REMARKS:

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

Test Mode	UNII-1_ IEEE 802.11n (HT40)	Test Date	2020/7/16
Test Frequency	CH38: 5190 MHz	Polarization	Horizontal

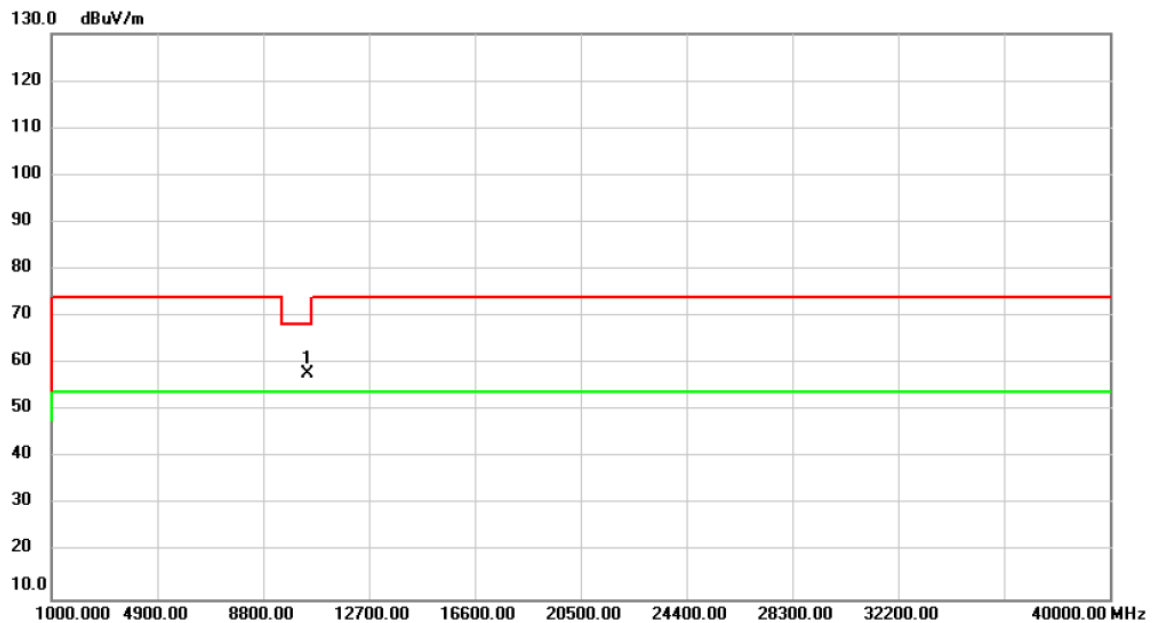


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10380.00	53.78	3.71	57.49	68.20	-10.71	peak	

REMARKS:

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

Test Mode	UNII-1_ IEEE 802.11n (HT40)	Test Date	2020/7/16
Test Frequency	CH46: 5230 MHz	Polarization	Vertical

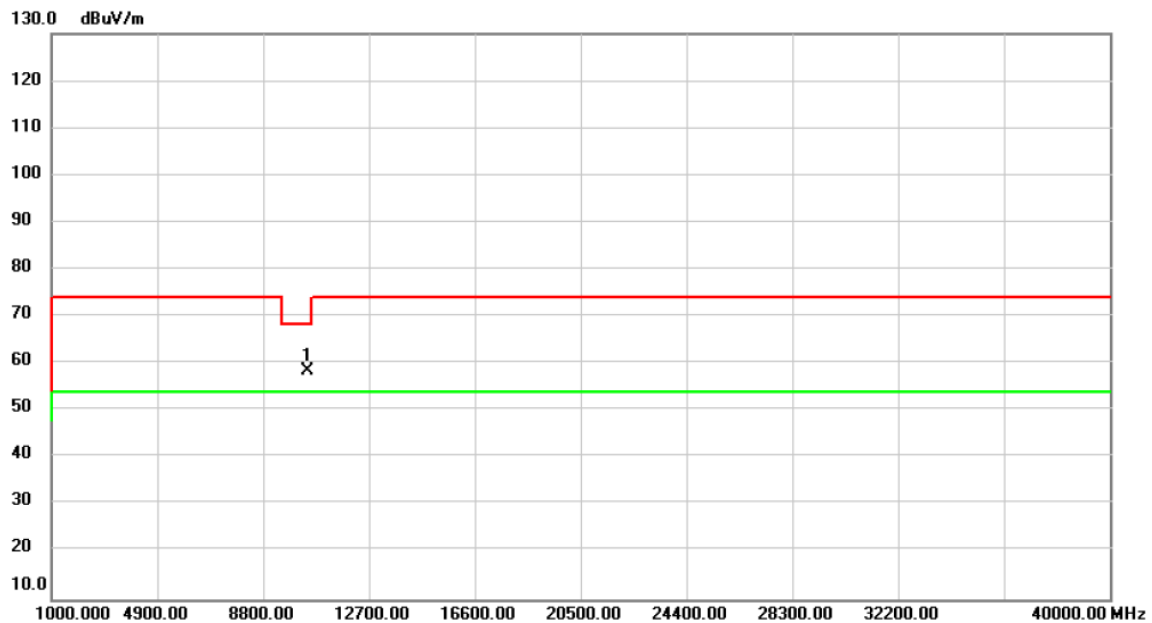


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10460.00	54.16	3.82	57.98	68.20	-10.22	peak	

REMARKS:

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

Test Mode	UNII-1_ IEEE 802.11n (HT40)	Test Date	2020/7/16
Test Frequency	CH46: 5230 MHz	Polarization	Horizontal

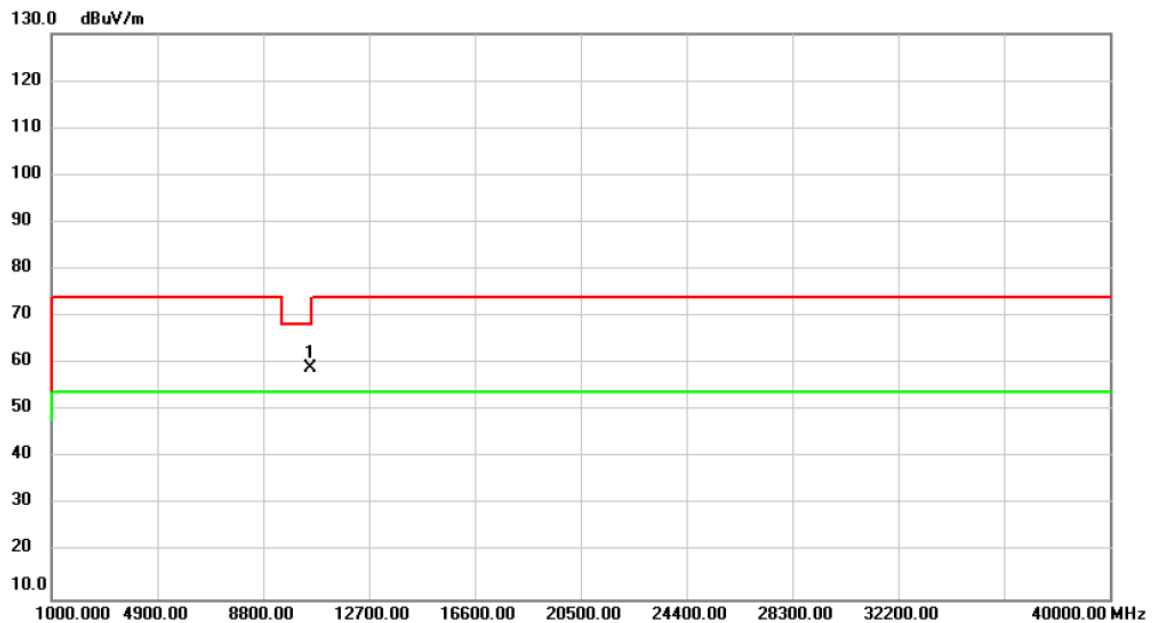


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10460.00	54.72	3.82	58.54	68.20	-9.66	peak	

REMARKS:

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

Test Mode	UNII-2A_ IEEE 802.11n (HT40)	Test Date	2020/7/8
Test Frequency	CH54: 5270 MHz	Polarization	Vertical

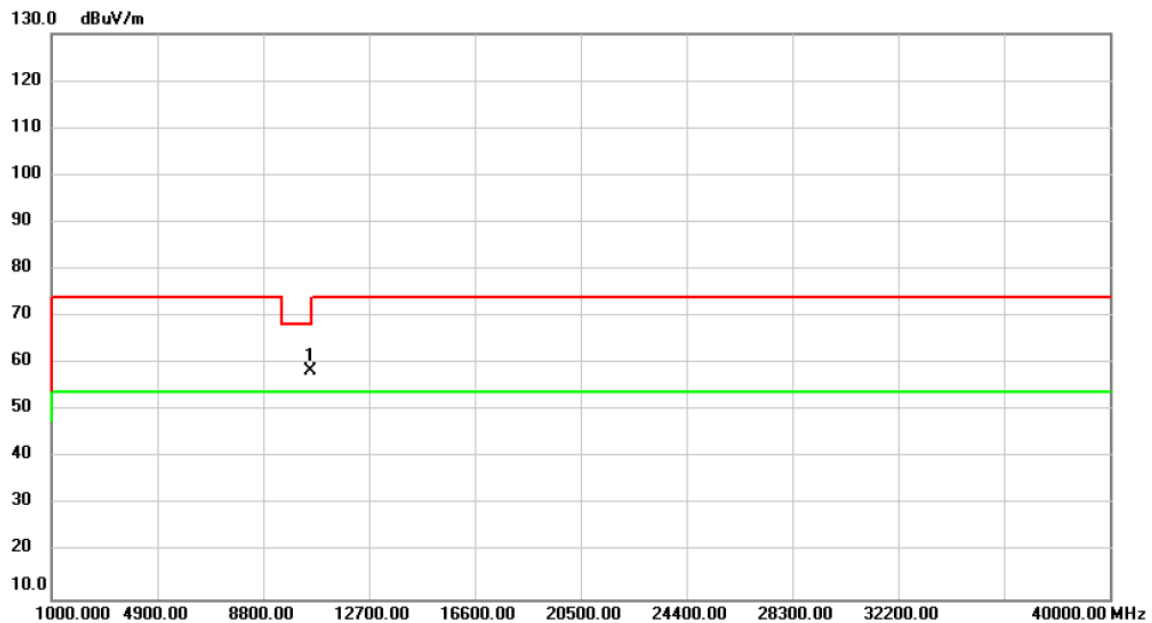


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10540.00	53.87	5.12	58.99	68.20	-9.21	peak	

REMARKS:

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

Test Mode	UNII-2A_ IEEE 802.11n (HT40)	Test Date	2020/7/8
Test Frequency	CH54: 5270 MHz	Polarization	Horizontal

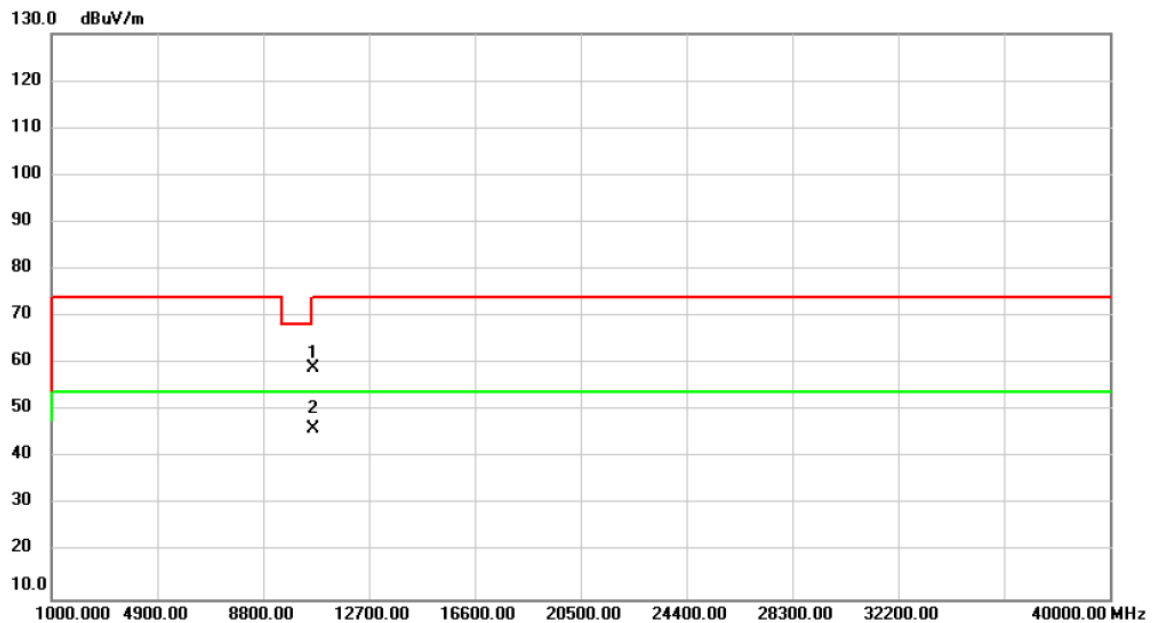


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10540.00	53.44	5.12	58.56	68.20	-9.64	peak	

REMARKS:

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

Test Mode	UNII-2A_ IEEE 802.11n (HT40)	Test Date	2020/7/8
Test Frequency	CH62: 5310 MHz	Polarization	Vertical

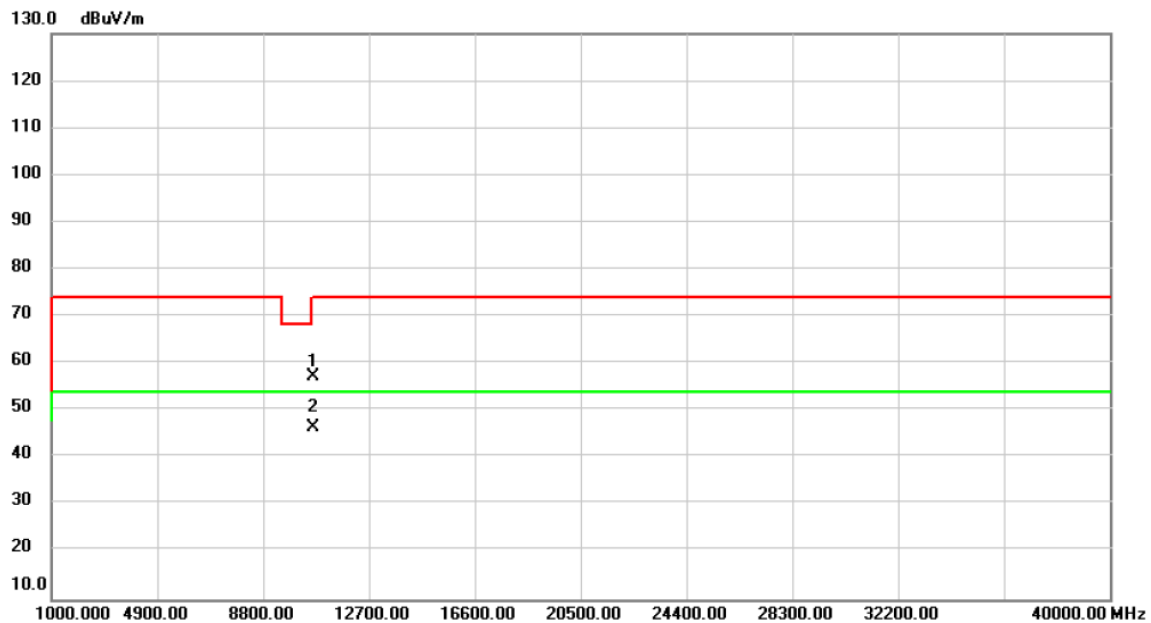


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10620.00	53.69	5.37	59.06	74.00	-14.94	peak	
2	*	10620.00	40.92	5.37	46.29	54.00	-7.71	AVG	

REMARKS:

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

Test Mode	UNII-2A_ IEEE 802.11n (HT40)	Test Date	2020/7/8
Test Frequency	CH62: 5310 MHz	Polarization	Horizontal

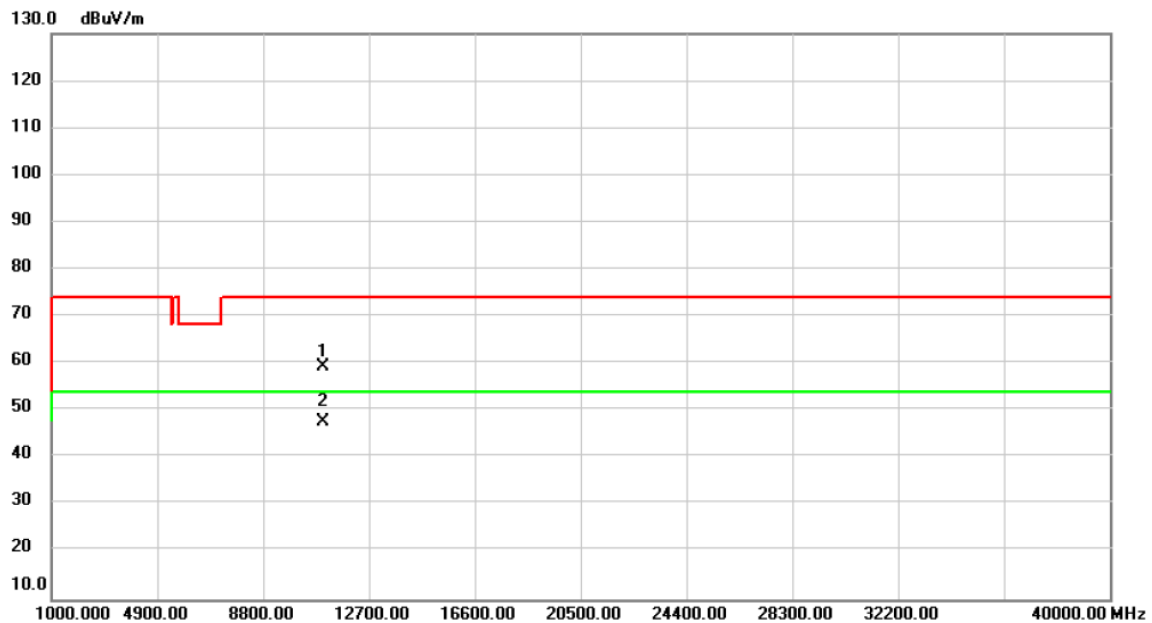


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10620.00	52.02	5.37	57.39	74.00	-16.61	peak	
2	*	10620.00	41.00	5.37	46.37	54.00	-7.63	AVG	

REMARKS:

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

Test Mode	UNII-2C_ IEEE 802.11n (HT40)	Test Date	2020/7/8
Test Frequency	CH102: 5510 MHz	Polarization	Vertical

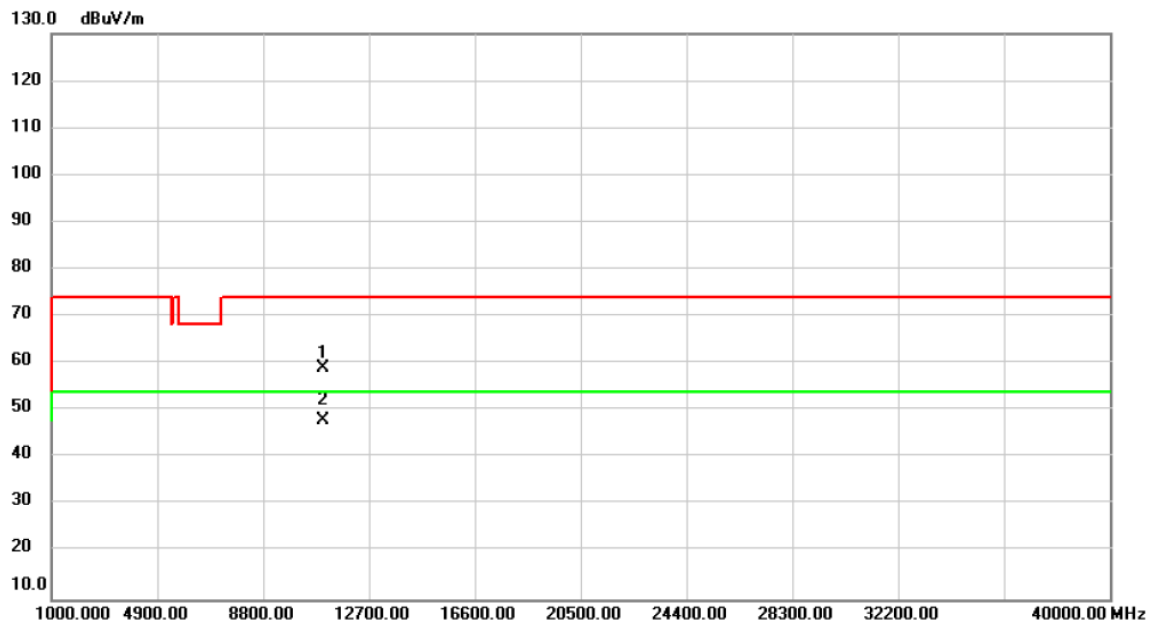


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11020.00	52.83	6.48	59.31	74.00	-14.69	peak	
2	*	11020.00	41.27	6.48	47.75	54.00	-6.25	AVG	

REMARKS:

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

Test Mode	UNII-2C_ IEEE 802.11n (HT40)	Test Date	2020/7/8
Test Frequency	CH102: 5510 MHz	Polarization	Horizontal

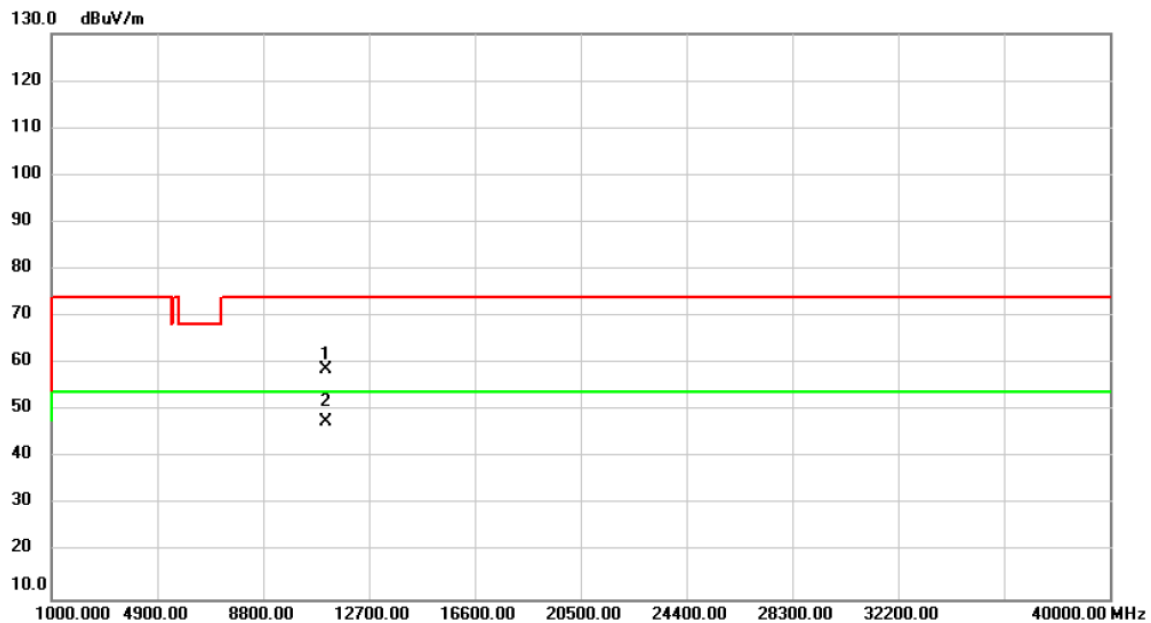


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11020.00	52.53	6.48	59.01	74.00	-14.99	peak	
2	*	11020.00	41.48	6.48	47.96	54.00	-6.04	AVG	

REMARKS:

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

Test Mode	UNII-2C_ IEEE 802.11n (HT40)	Test Date	2020/7/8
Test Frequency	CH110: 5550 MHz	Polarization	Vertical

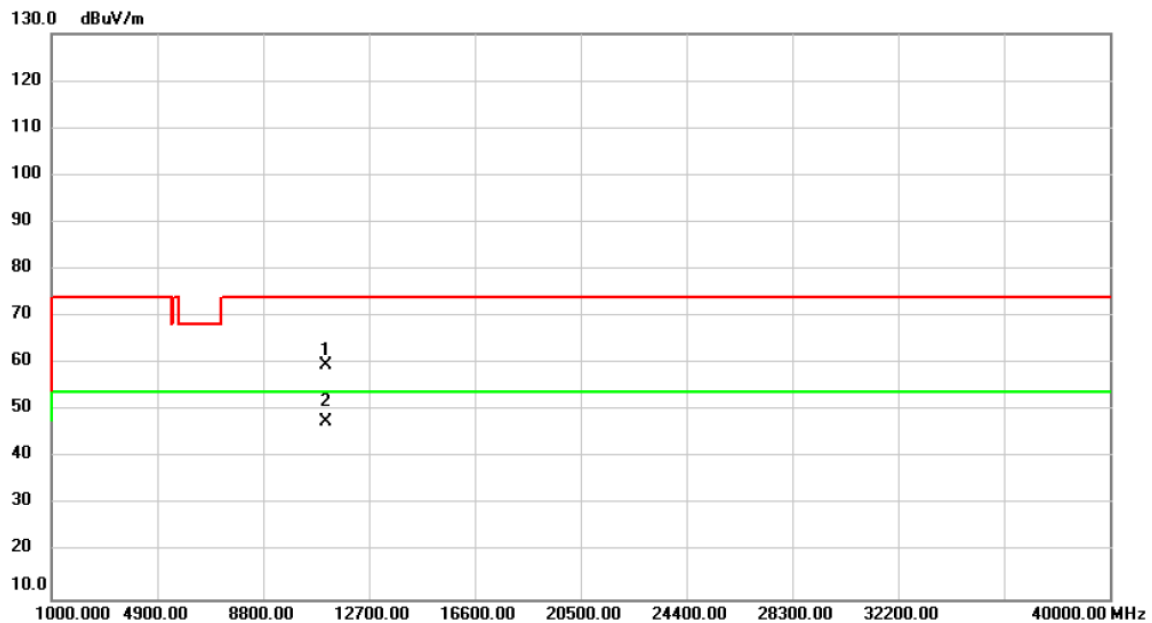


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11100.00	52.44	6.24	58.68	74.00	-15.32	peak	
2	*	11100.00	41.42	6.24	47.66	54.00	-6.34	AVG	

REMARKS:

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

Test Mode	UNII-2C_ IEEE 802.11n (HT40)	Test Date	2020/7/8
Test Frequency	CH110: 5550 MHz	Polarization	Horizontal

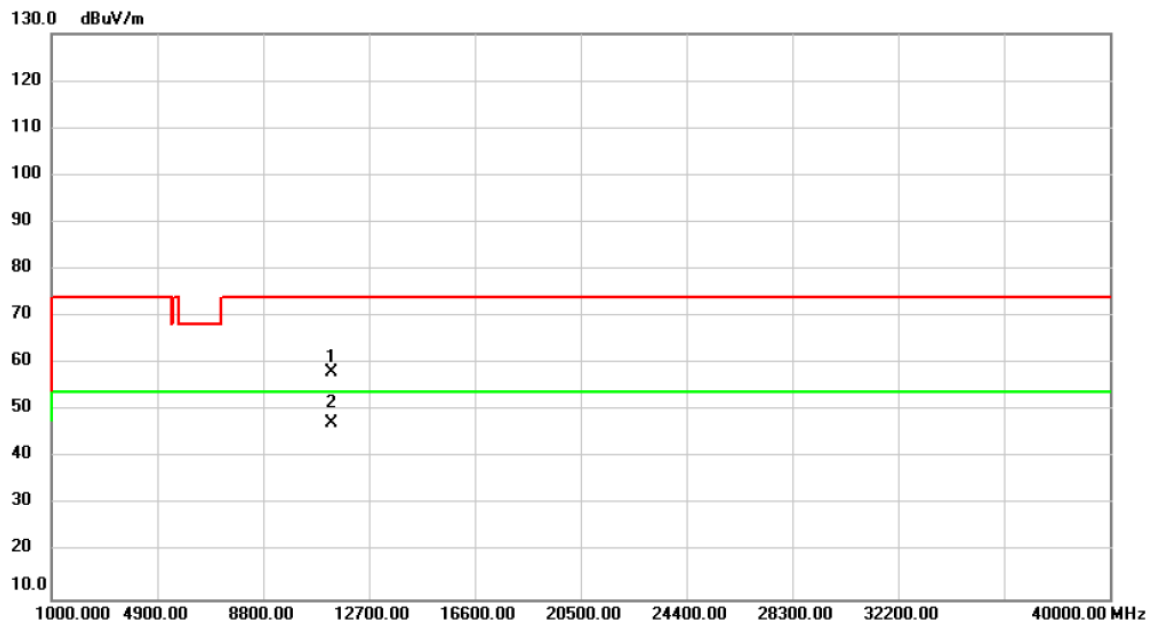


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11100.00	53.56	6.24	59.80	74.00	-14.20	peak	
2	*	11100.00	41.48	6.24	47.72	54.00	-6.28	AVG	

REMARKS:

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

Test Mode	UNII-2C_ IEEE 802.11n (HT40)	Test Date	2020/7/8
Test Frequency	CH134: 5670 MHz	Polarization	Vertical

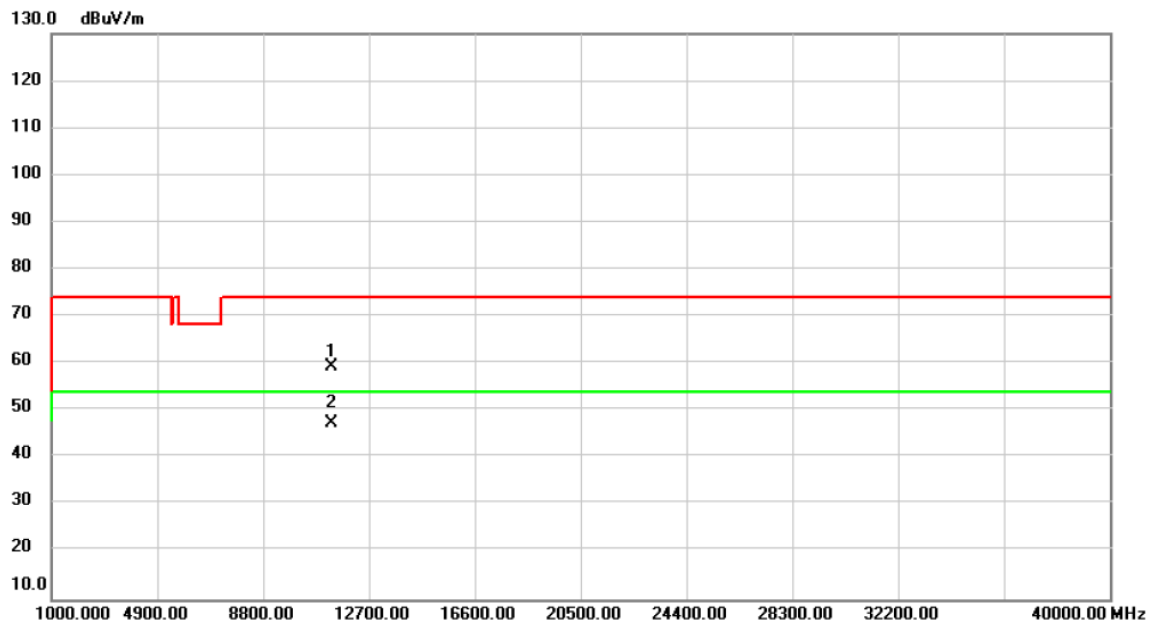


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11340.00	52.76	5.52	58.28	74.00	-15.72	peak	
2	*	11340.00	41.88	5.52	47.40	54.00	-6.60	AVG	

REMARKS:

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

Test Mode	UNII-2C_ IEEE 802.11n (HT40)	Test Date	2020/7/8
Test Frequency	CH134: 5670 MHz	Polarization	Horizontal

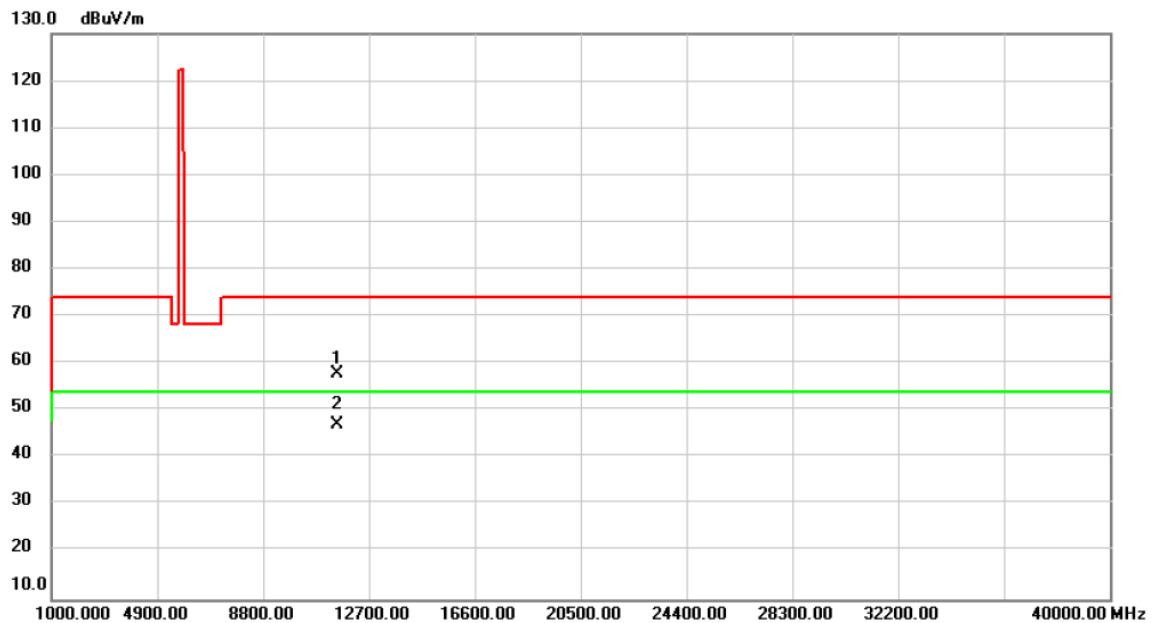


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11340.00	53.88	5.52	59.40	74.00	-14.60	peak	
2	*	11340.00	41.71	5.52	47.23	54.00	-6.77	AVG	

REMARKS:

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

Test Mode	UNII-3_ IEEE 802.11n (HT40)	Test Date	2020/7/8
Test Frequency	CH151: 5755 MHz	Polarization	Vertical

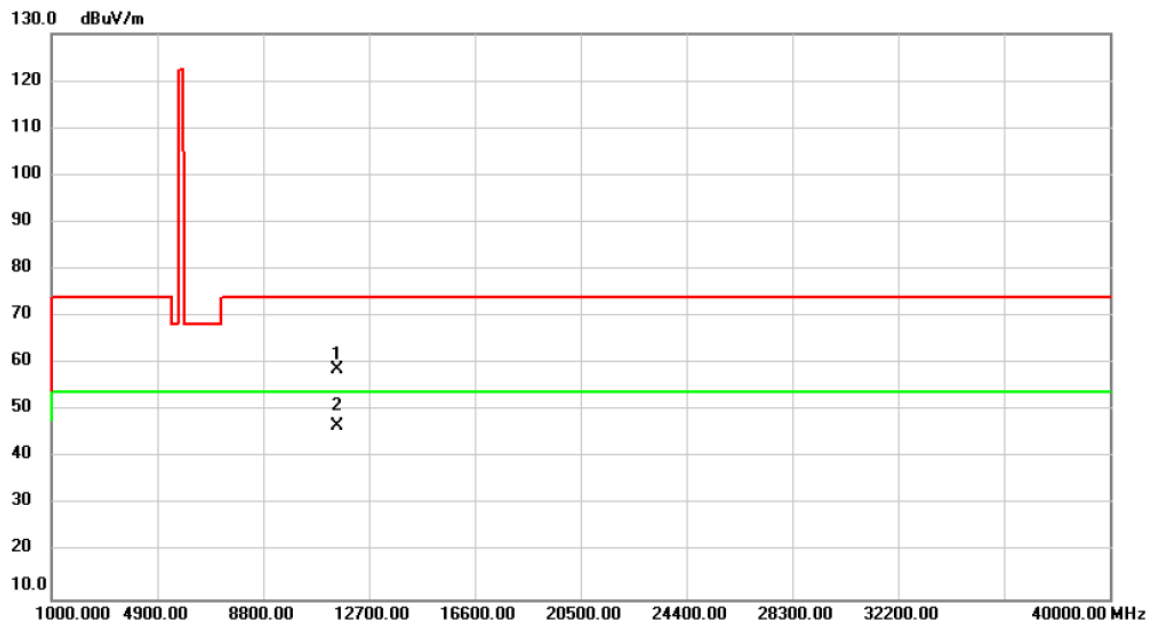


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		11510.00	52.79	5.01	57.80	74.00	-16.20	peak	
2	*	11510.00	42.03	5.01	47.04	54.00	-6.96	AVG	

REMARKS:

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

Test Mode	UNII-3_ IEEE 802.11n (HT40)	Test Date	2020/7/8
Test Frequency	CH151: 5755 MHz	Polarization	Horizontal

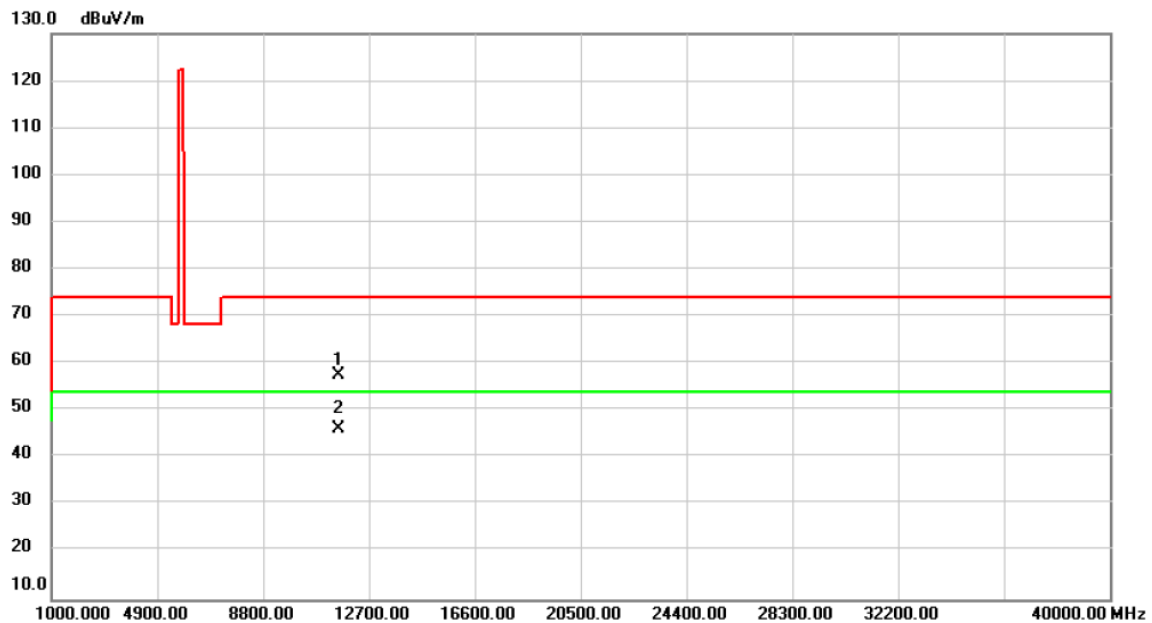


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11510.00	53.61	5.01	58.62	74.00	-15.38	peak	
2	*	11510.00	41.80	5.01	46.81	54.00	-7.19	AVG	

REMARKS:

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

Test Mode	UNII-3_ IEEE 802.11n (HT40)	Test Date	2020/7/8
Test Frequency	CH159: 5795 MHz	Polarization	Vertical

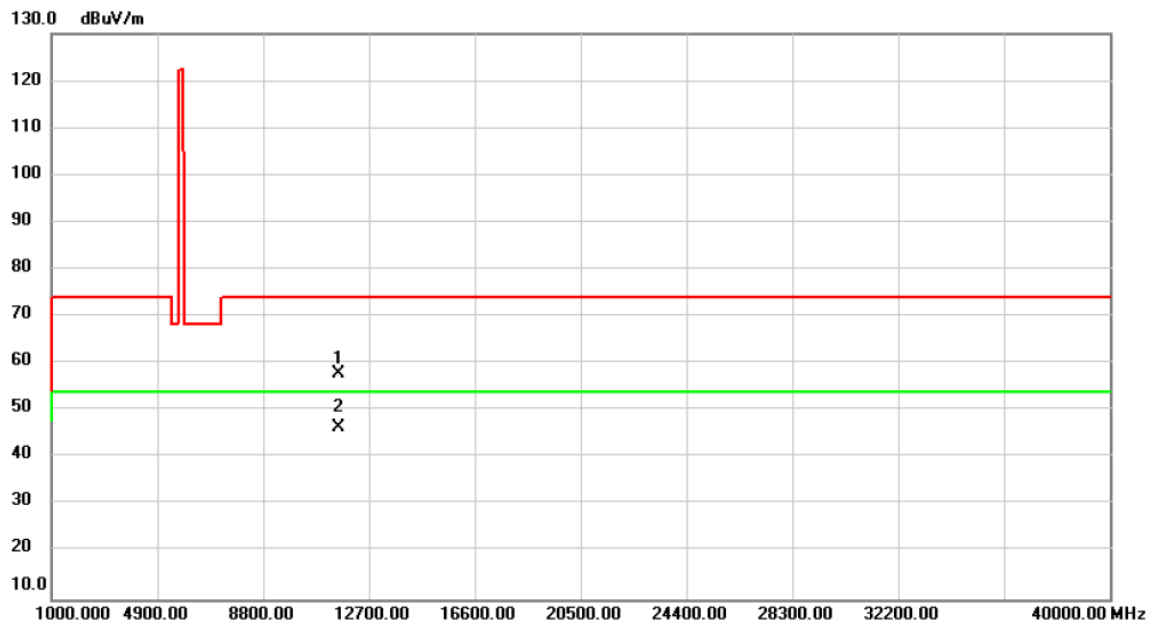


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11590.00	52.73	4.83	57.56	74.00	-16.44	peak	
2	*	11590.00	41.37	4.83	46.20	54.00	-7.80	AVG	

REMARKS:

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

Test Mode	UNII-3_ IEEE 802.11n (HT40)	Test Date	2020/7/8
Test Frequency	CH159: 5795 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		11590.00	52.97	4.83	57.80	74.00	-16.20	peak	
2	*	11590.00	41.63	4.83	46.46	54.00	-7.54	AVG	

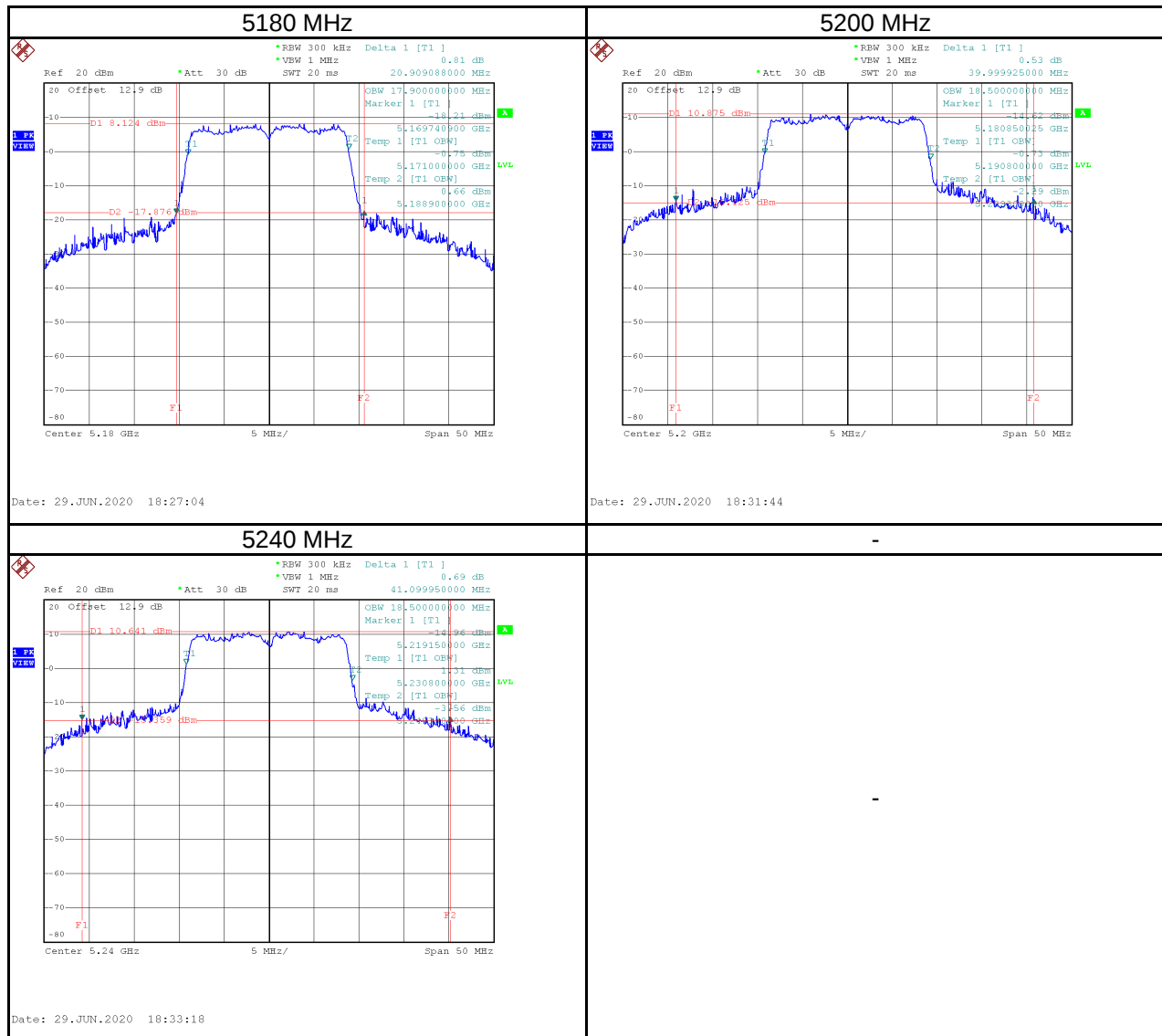
REMARKS:

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

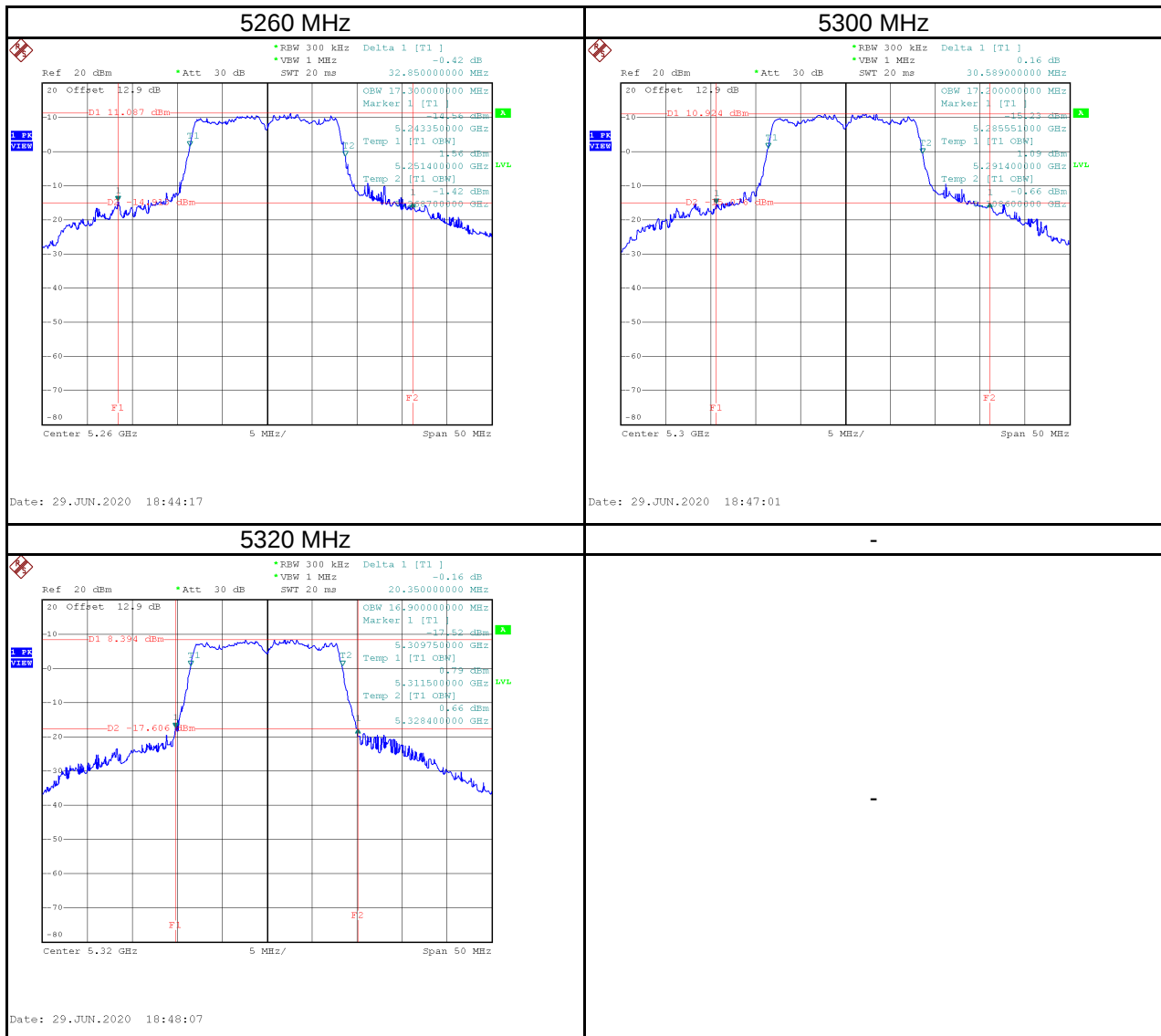
APPENDIX C BANDWIDTH

Test Mode IEEE 802.11a

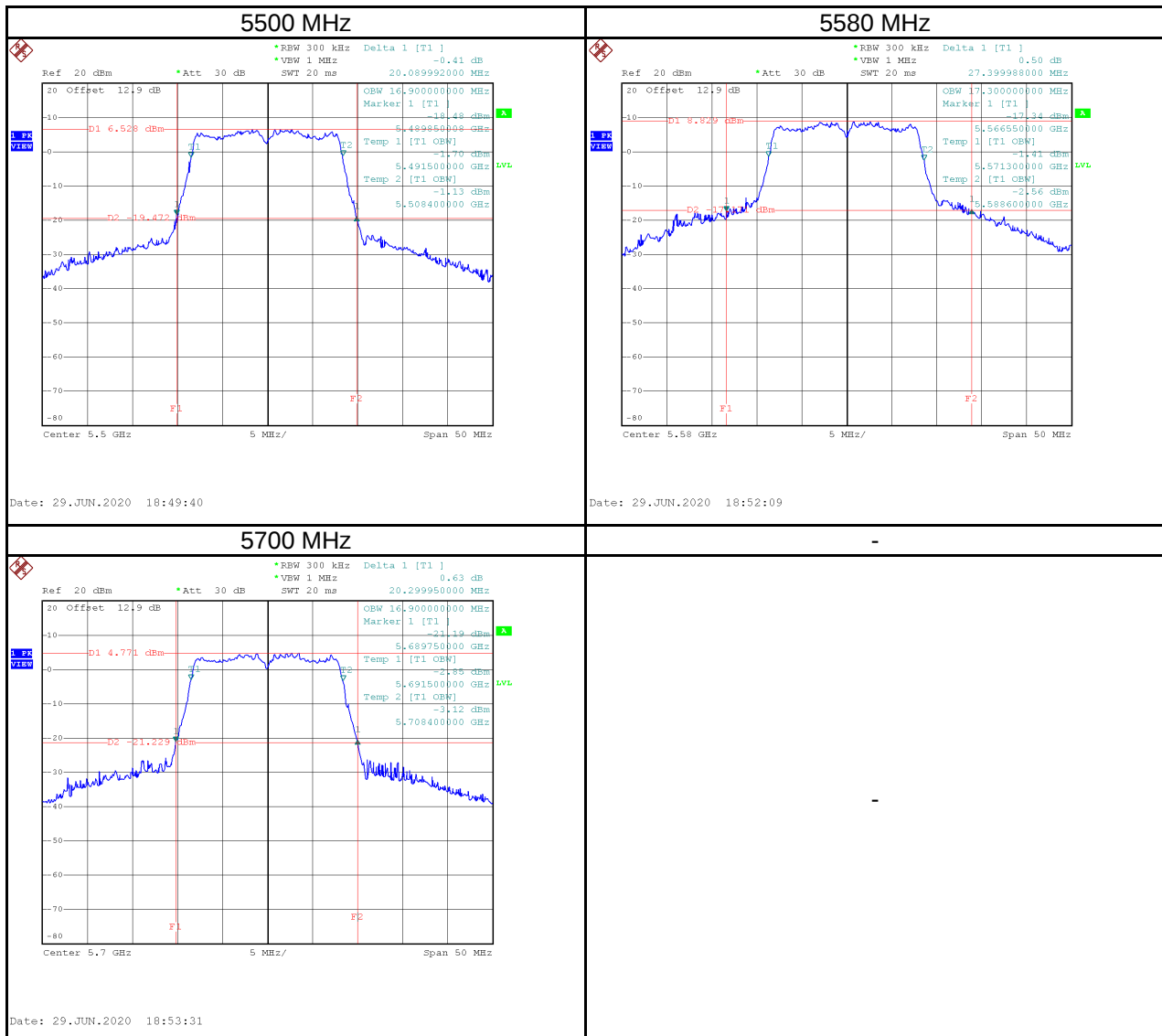
Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
5180	20.91	17.90
5200	40.00	18.50
5240	41.10	18.50



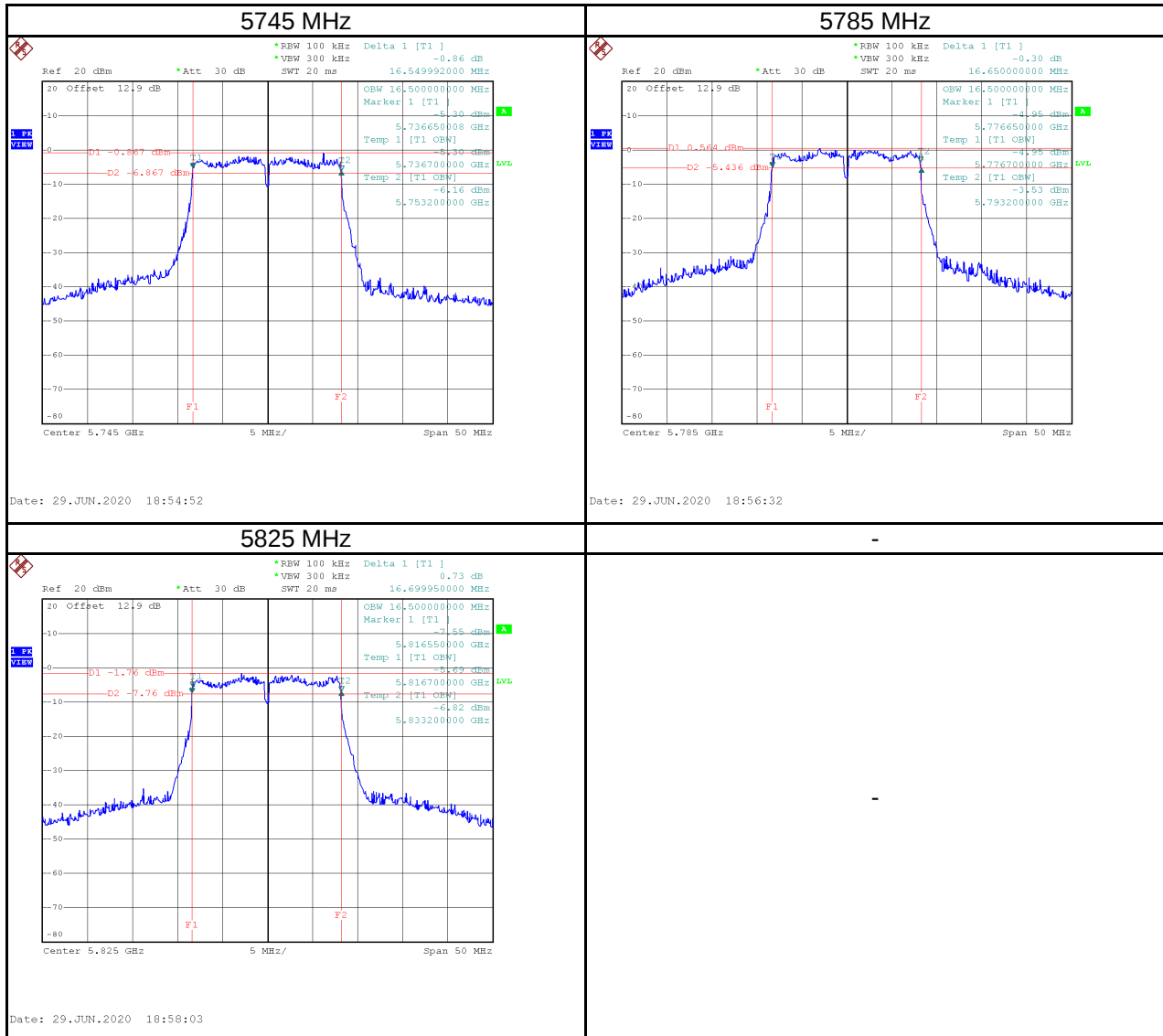
Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
5260	32.85	17.30
5300	30.59	17.20
5320	20.35	16.90



Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
5500	20.09	16.90
5580	27.40	17.30
5700	20.30	16.90

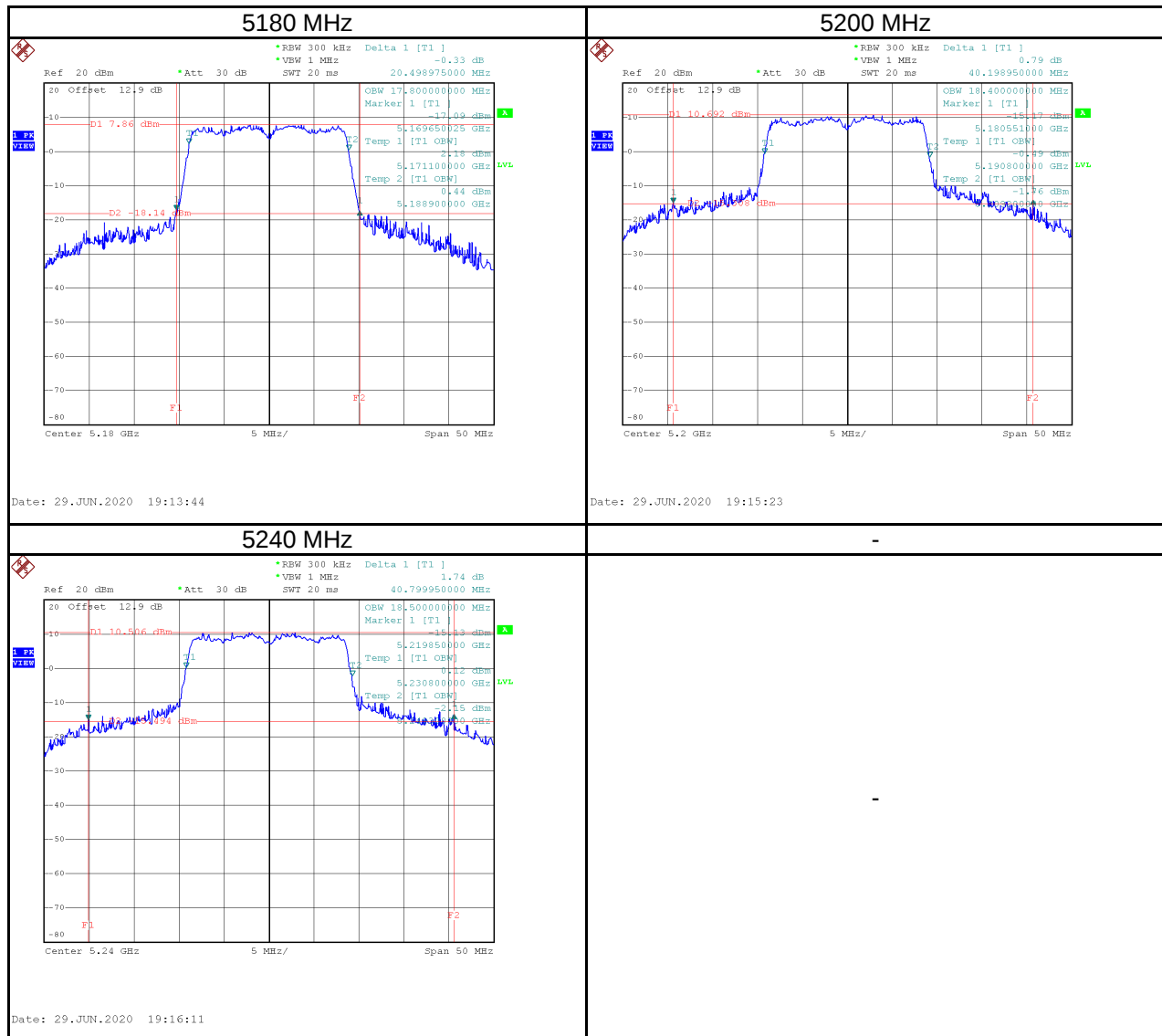


Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
5745	16.55	16.50
5785	16.65	16.50
5825	16.70	16.50

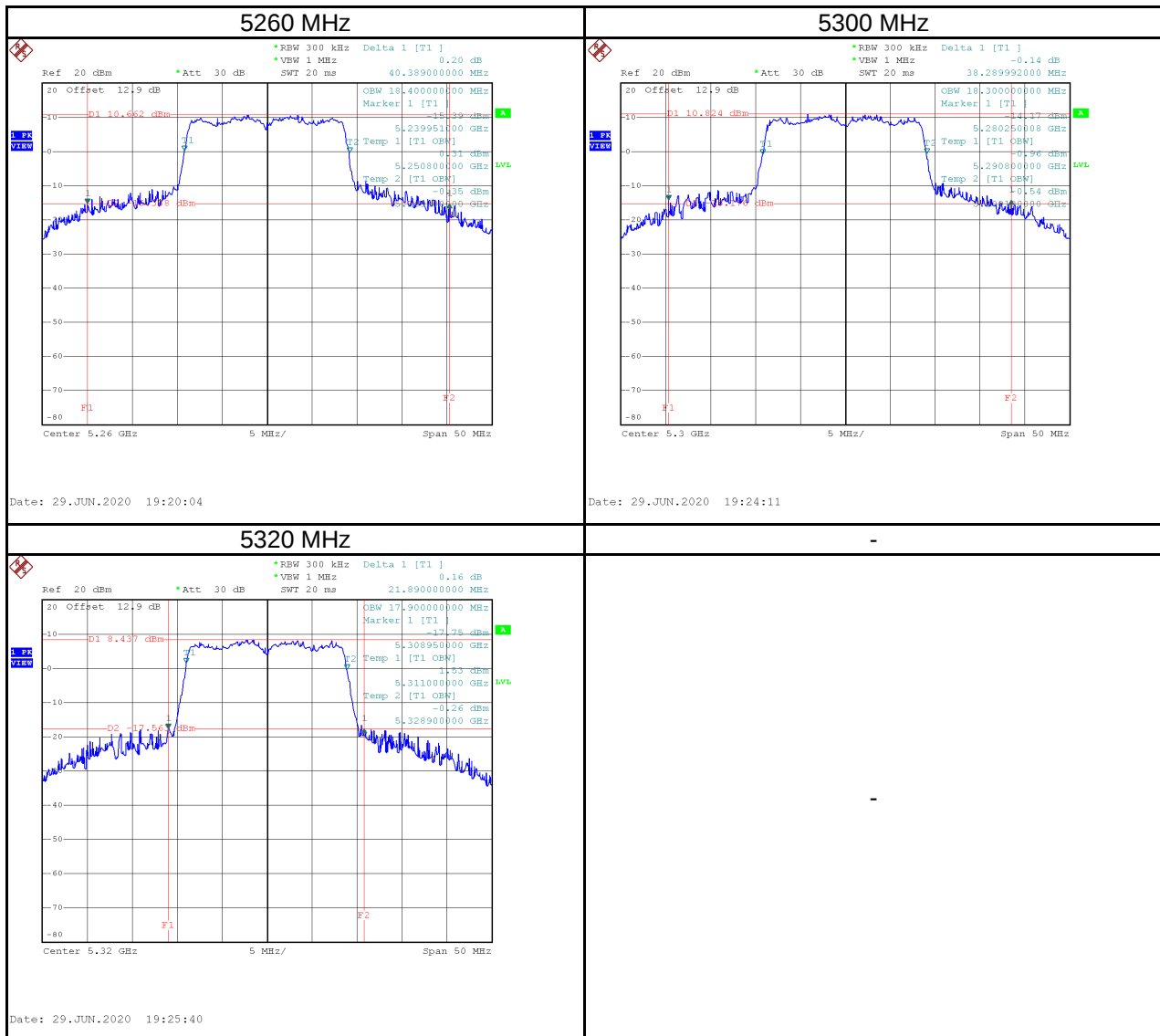


Test Mode IEEE 802.11n (HT20)

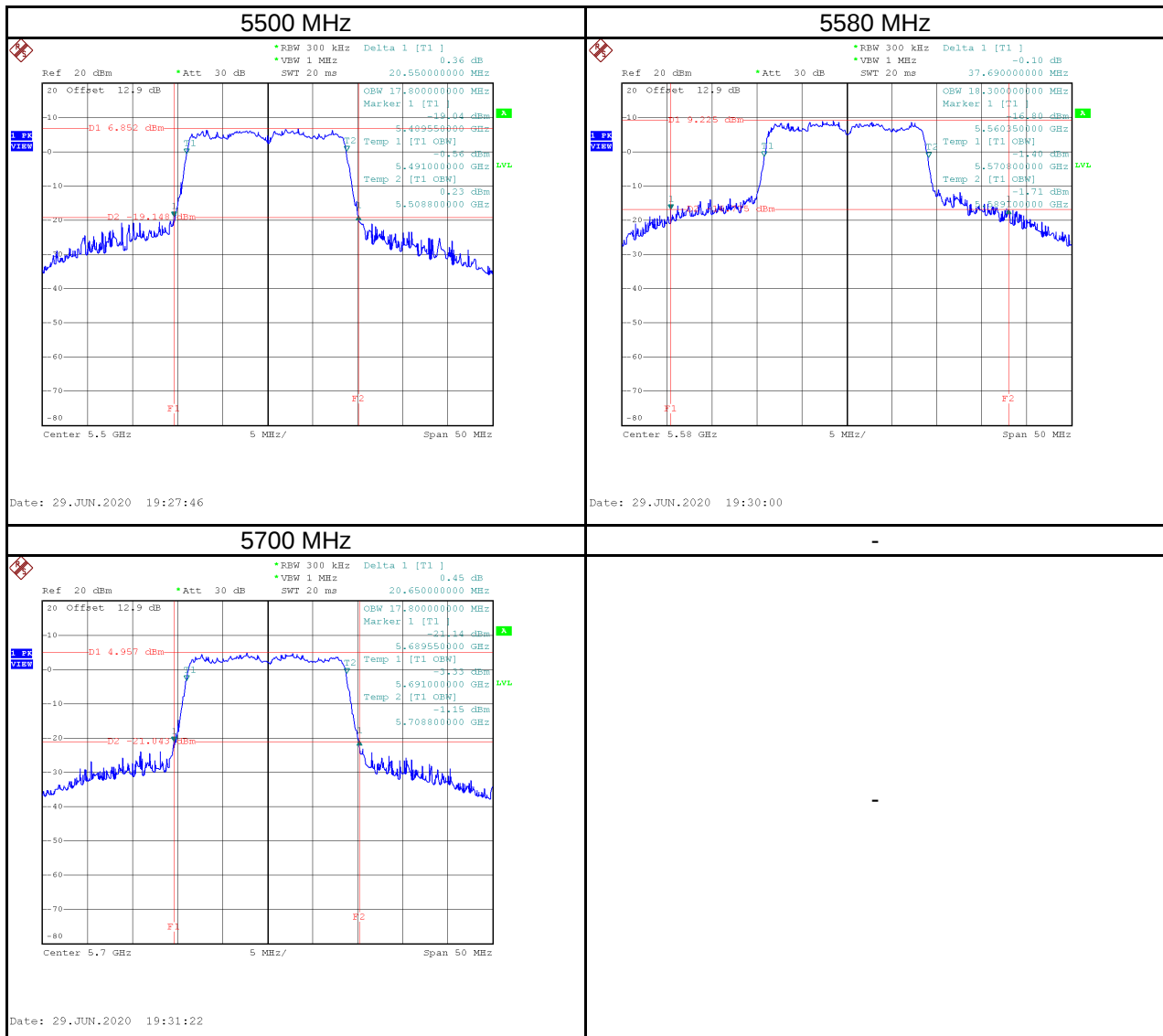
Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
5180	20.49	17.80
5200	40.20	18.40
5240	40.80	18.50



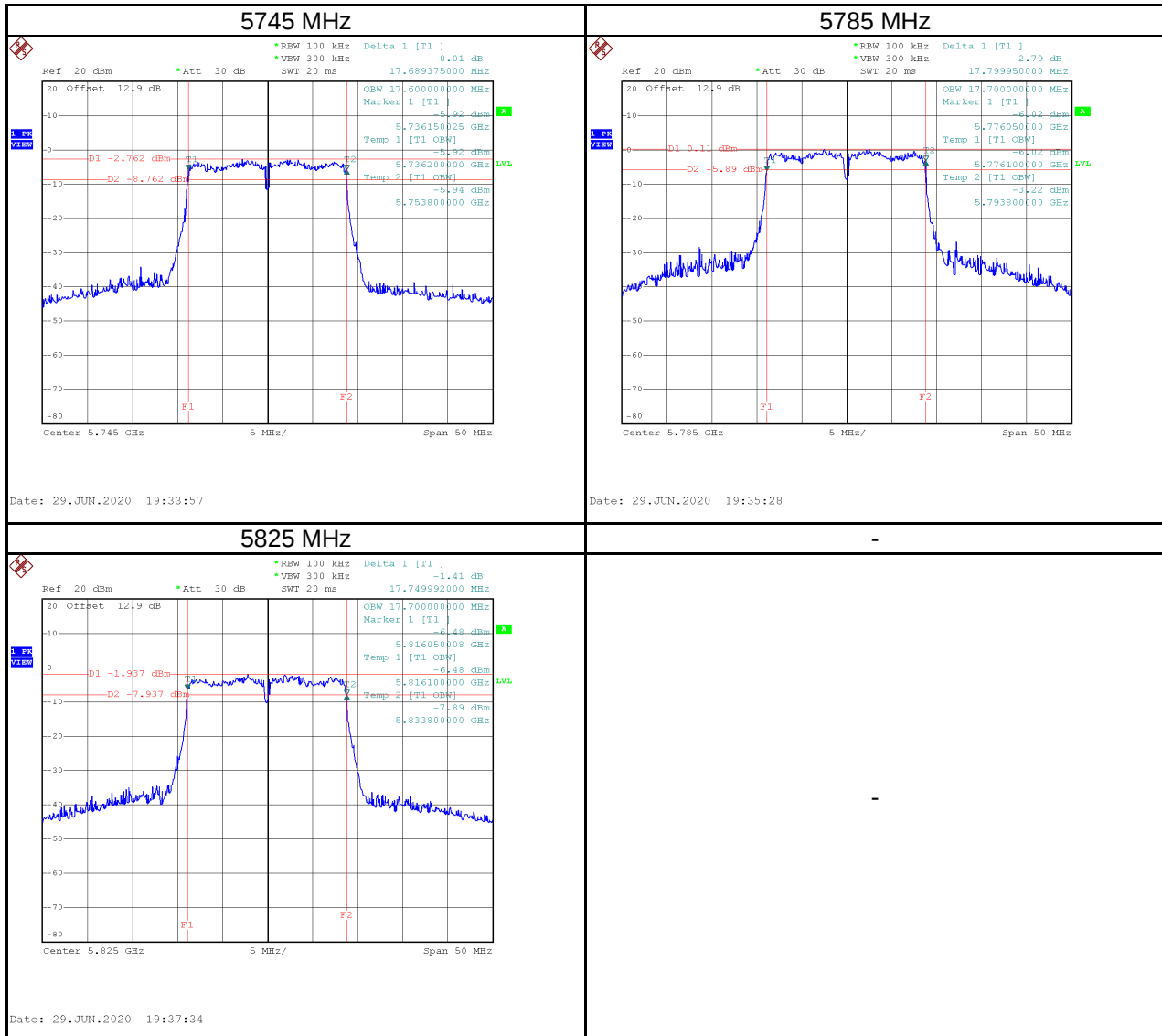
Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
5260	40.39	18.40
5300	38.29	18.30
5320	21.89	17.90



Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
5500	20.55	17.80
5580	37.69	18.30
5700	20.65	17.80

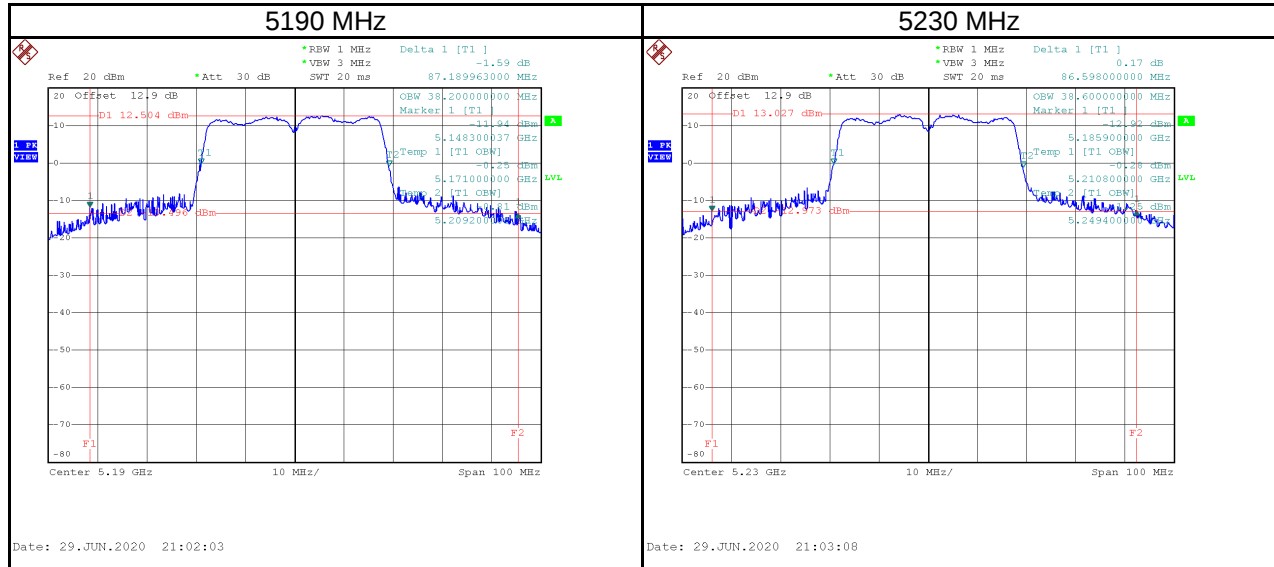


Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
5745	17.69	17.60
5785	17.80	17.70
5825	17.75	17.70

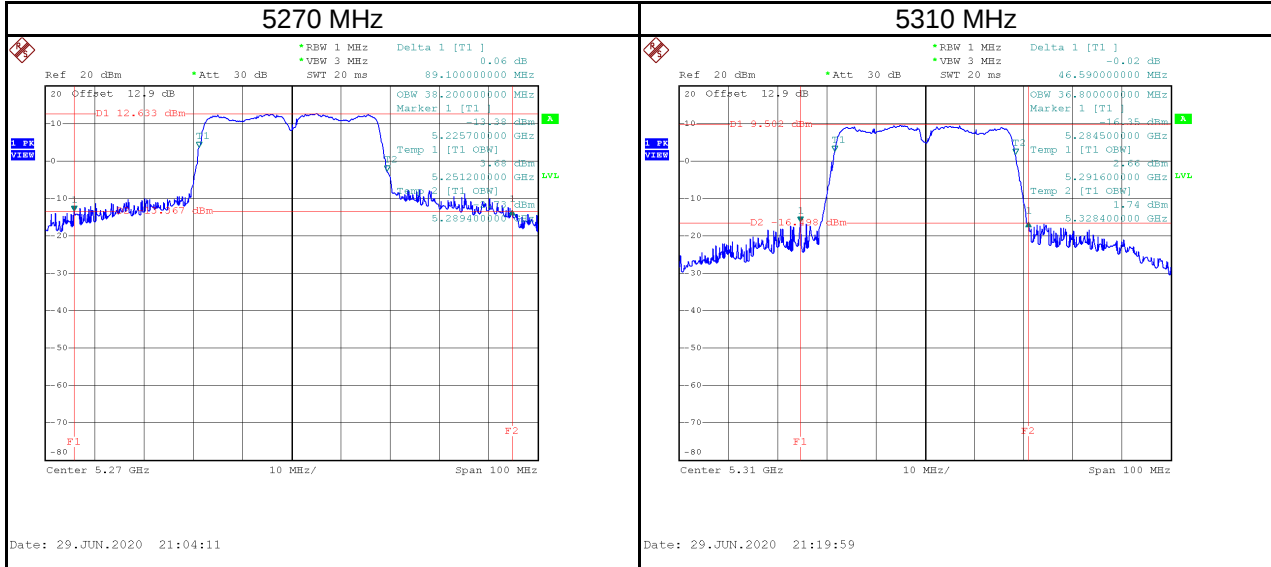


Test Mode IEEE 802.11n (HT40)

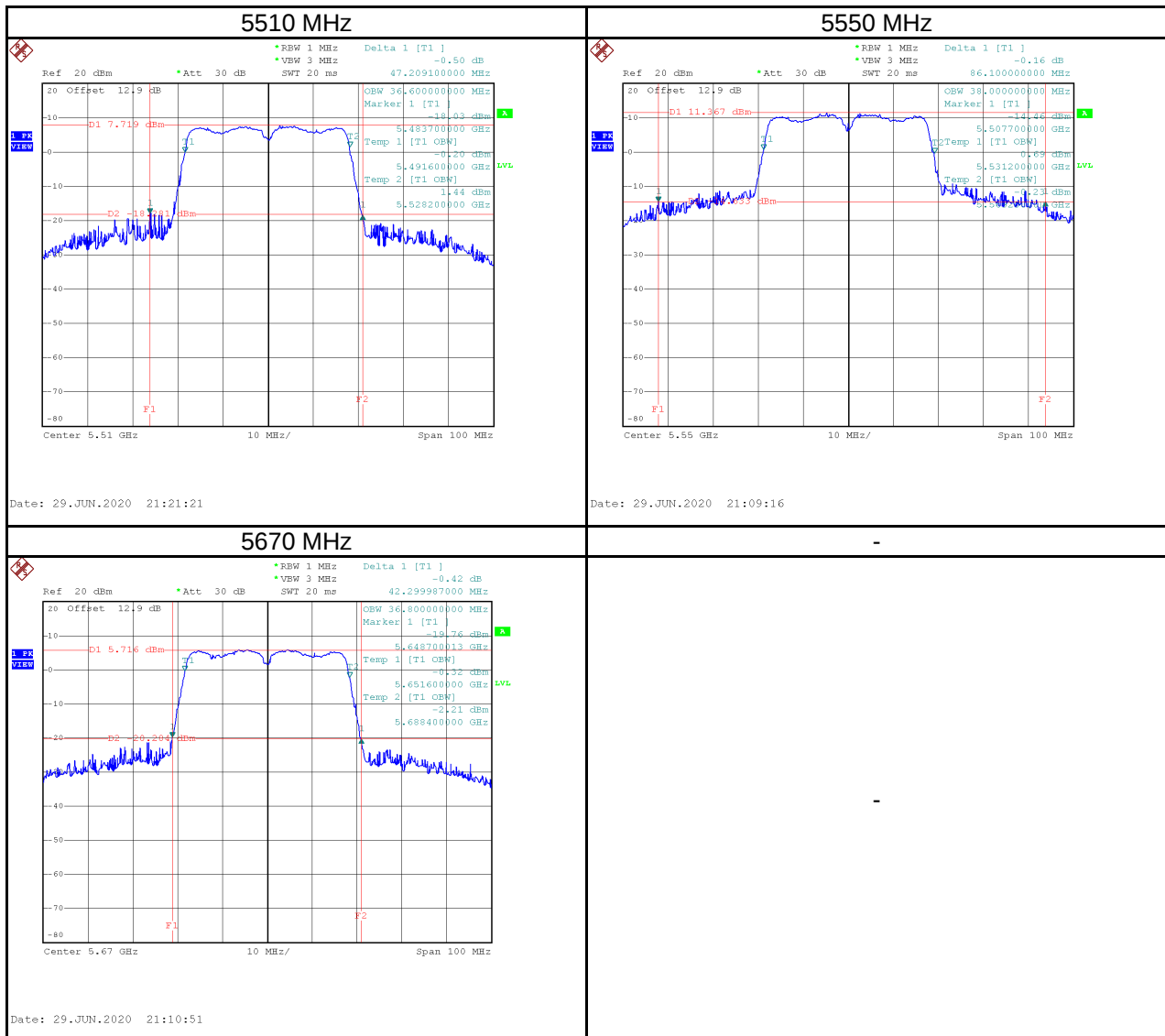
Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
5190	87.19	38.20
5230	86.60	38.60



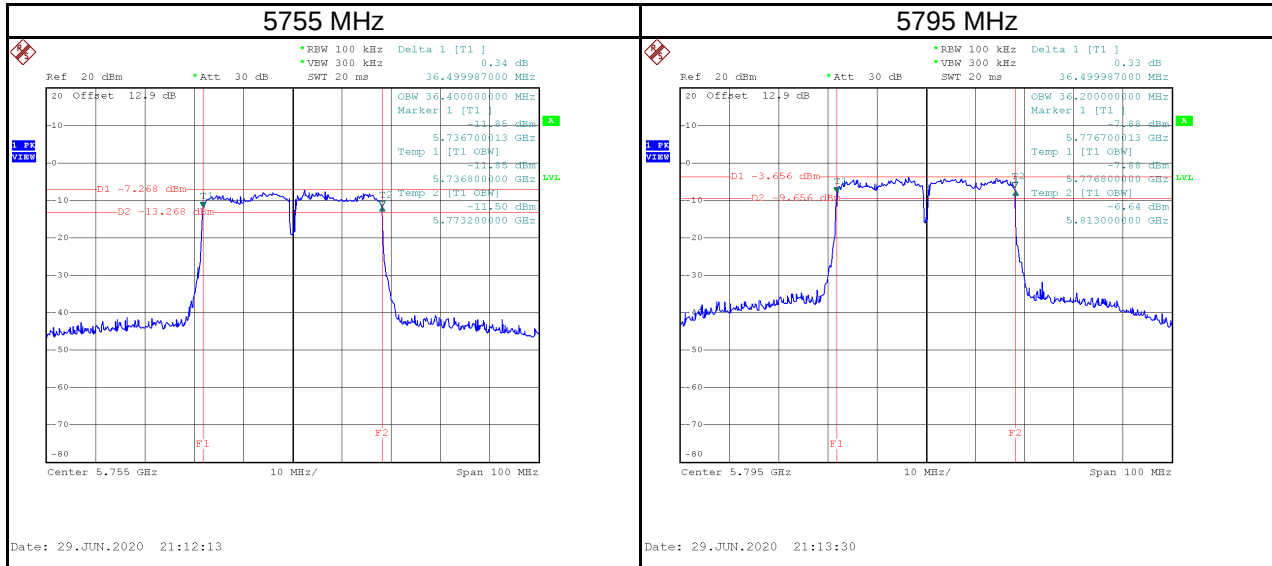
Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
5270	89.10	38.20
5310	46.59	36.80



Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
5510	47.21	36.60
5550	86.10	38.00
5670	42.30	36.80



Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
5755	36.50	36.40
5795	36.50	36.20



APPENDIX D CONDUCTED OUTPUT POWER

Test Mode	IEEE 802.11a	Tested Date	2020/6/29
-----------	--------------	-------------	-----------

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5180	15.06	0.0321	30.00	1.0000	Complies
5200	17.69	0.0587	30.00	1.0000	Complies
5240	17.77	0.0598	30.00	1.0000	Complies

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5260	17.83	0.0607	24.00	0.2512	Complies
5300	17.63	0.0579	24.00	0.2512	Complies
5320	14.10	0.0257	24.00	0.2512	Complies

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5500	13.56	0.0227	24.00	0.2512	Complies
5580	16.44	0.0441	24.00	0.2512	Complies
5700	10.56	0.0114	24.00	0.2512	Complies

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5745	10.40	0.0110	30.00	1.0000	Complies
5785	13.50	0.0224	30.00	1.0000	Complies
5825	11.17	0.0131	30.00	1.0000	Complies

Test Mode	IEEE 802.11n (HT20)	Tested Date	2020/6/29
-----------	---------------------	-------------	-----------

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5180	15.51	0.0356	30.00	1.0000	Complies
5200	17.99	0.0630	30.00	1.0000	Complies
5240	17.96	0.0625	30.00	1.0000	Complies

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5260	18.01	0.0632	24.00	0.2512	Complies
5300	17.83	0.0607	24.00	0.2512	Complies
5320	14.30	0.0269	24.00	0.2512	Complies

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5500	14.10	0.0257	24.00	0.2512	Complies
5580	16.55	0.0452	24.00	0.2512	Complies
5700	10.67	0.0117	24.00	0.2512	Complies

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5745	10.92	0.0124	30.00	1.0000	Complies
5785	13.68	0.0233	30.00	1.0000	Complies
5825	11.22	0.0132	30.00	1.0000	Complies

Test Mode	IEEE 802.11n (HT40)	Tested Date	2020/6/29
-----------	---------------------	-------------	-----------

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5190	17.05	0.0507	30.00	1.0000	Complies
5230	17.19	0.0524	30.00	1.0000	Complies

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5270	16.75	0.0473	24.00	0.2512	Complies
5310	10.20	0.0105	24.00	0.2512	Complies

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5510	12.14	0.0164	24.00	0.2512	Complies
5550	16.16	0.0413	24.00	0.2512	Complies
5670	8.61	0.0073	24.00	0.2512	Complies

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5755	8.04	0.0064	30.00	1.0000	Complies
5795	8.55	0.0072	30.00	1.0000	Complies

Test Mode	IEEE 802.11ac (VHT20)	Tested Date	2020/6/29
-----------	-----------------------	-------------	-----------

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5180	15.50	0.0355	30.00	1.0000	Complies
5200	18.09	0.0644	30.00	1.0000	Complies
5240	18.02	0.0634	30.00	1.0000	Complies

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5260	18.04	0.0637	24.00	0.2512	Complies
5300	17.89	0.0615	24.00	0.2512	Complies
5320	14.23	0.0265	24.00	0.2512	Complies

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5500	14.30	0.0269	24.00	0.2512	Complies
5580	16.72	0.0470	24.00	0.2512	Complies
5700	10.64	0.0116	24.00	0.2512	Complies

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5745	10.91	0.0123	30.00	1.0000	Complies
5785	13.62	0.0230	30.00	1.0000	Complies
5825	11.26	0.0134	30.00	1.0000	Complies

Test Mode	IEEE 802.11ac (VHT40)	Tested Date	2020/6/29
-----------	-----------------------	-------------	-----------

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5190	17.09	0.0512	30.00	1.0000	Complies
5230	17.17	0.0521	30.00	1.0000	Complies

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5270	16.61	0.0458	24.00	0.2512	Complies
5310	10.09	0.0102	24.00	0.2512	Complies

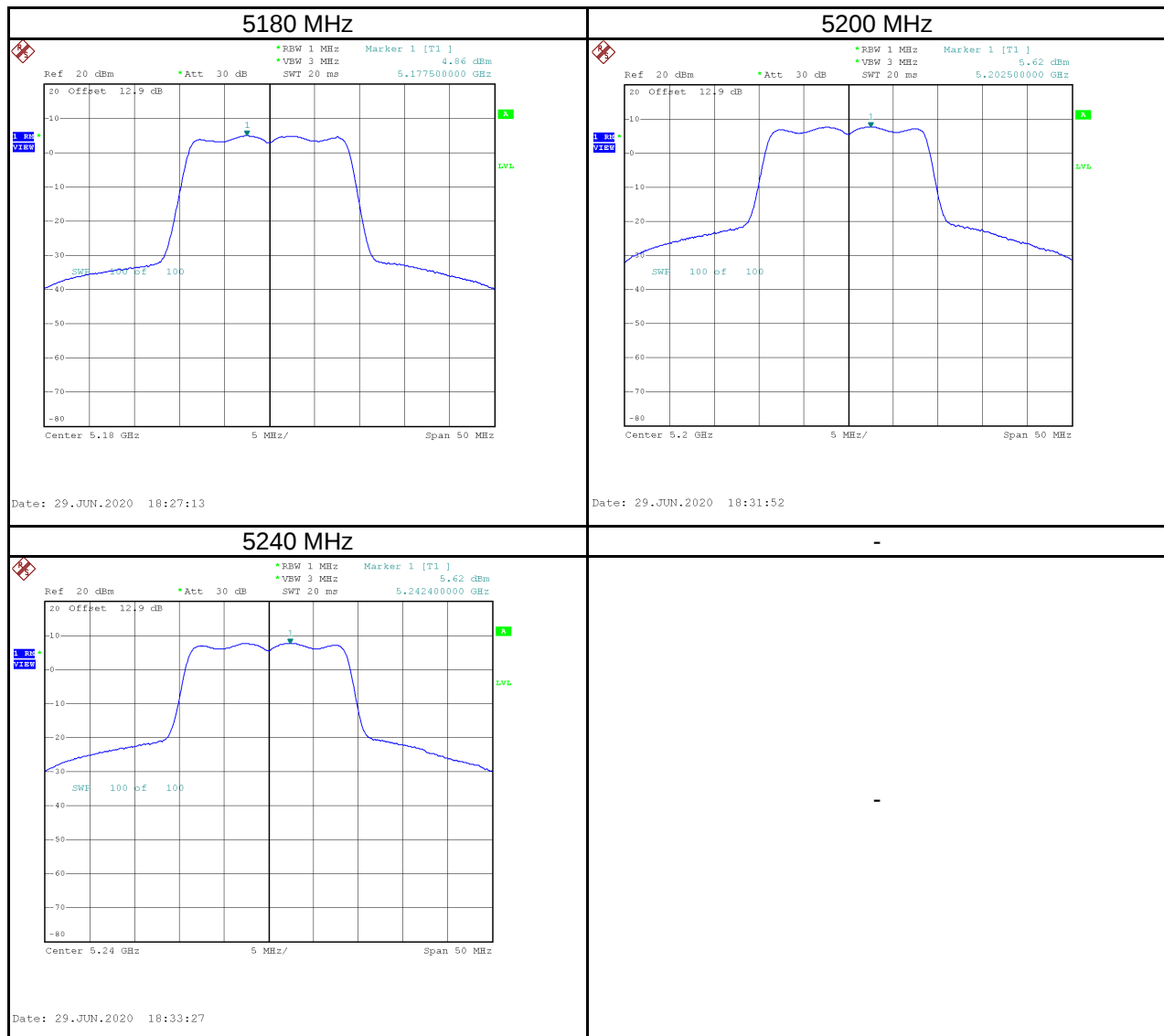
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5510	12.52	0.0179	24.00	0.2512	Complies
5550	16.24	0.0421	24.00	0.2512	Complies
5670	8.52	0.0071	24.00	0.2512	Complies

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5755	7.98	0.0063	30.00	1.0000	Complies
5795	8.53	0.0071	30.00	1.0000	Complies

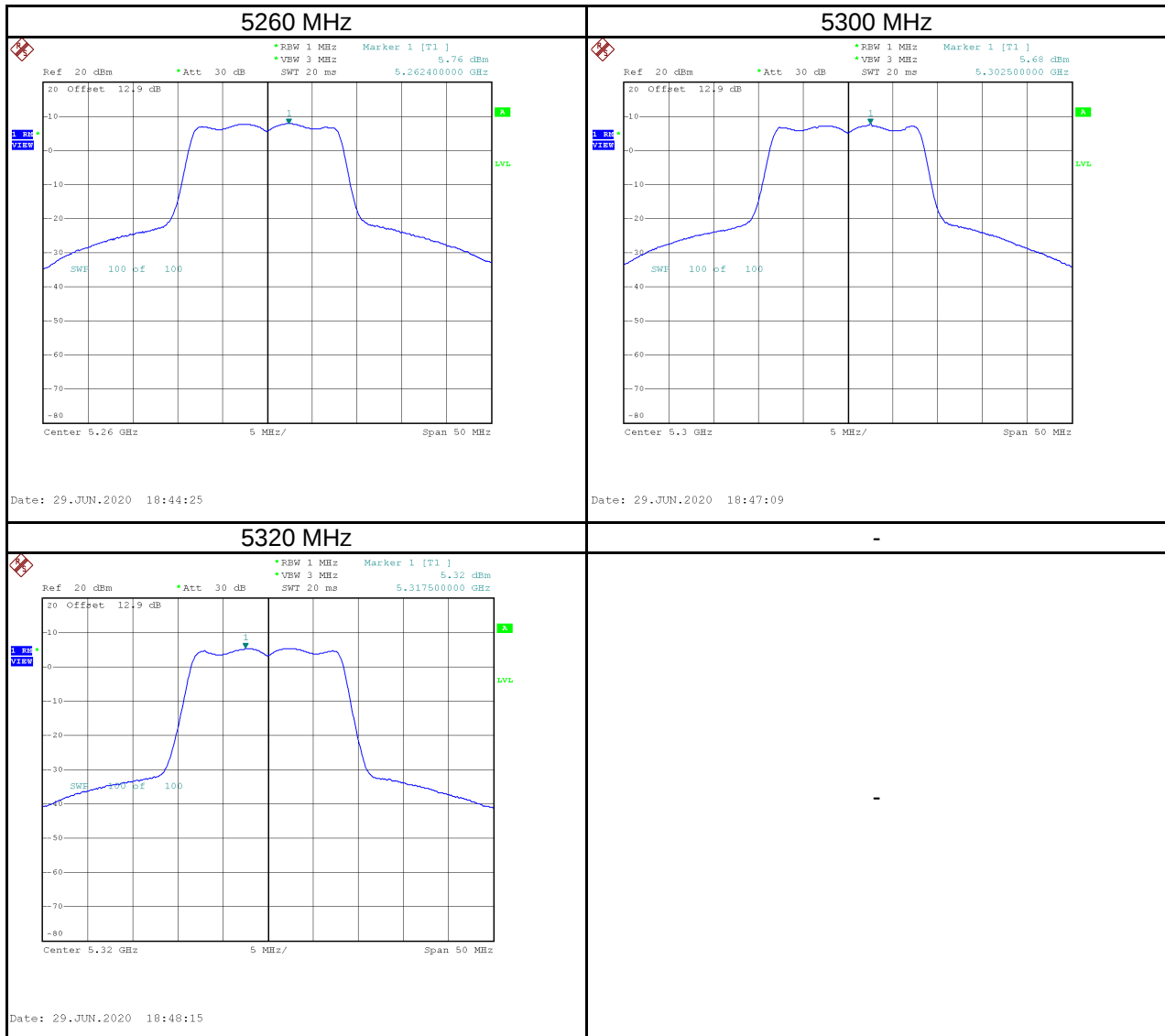
APPENDIX E POWER SPECTRAL DENSITY

Test Mode	IEEE 802.11a
-----------	--------------

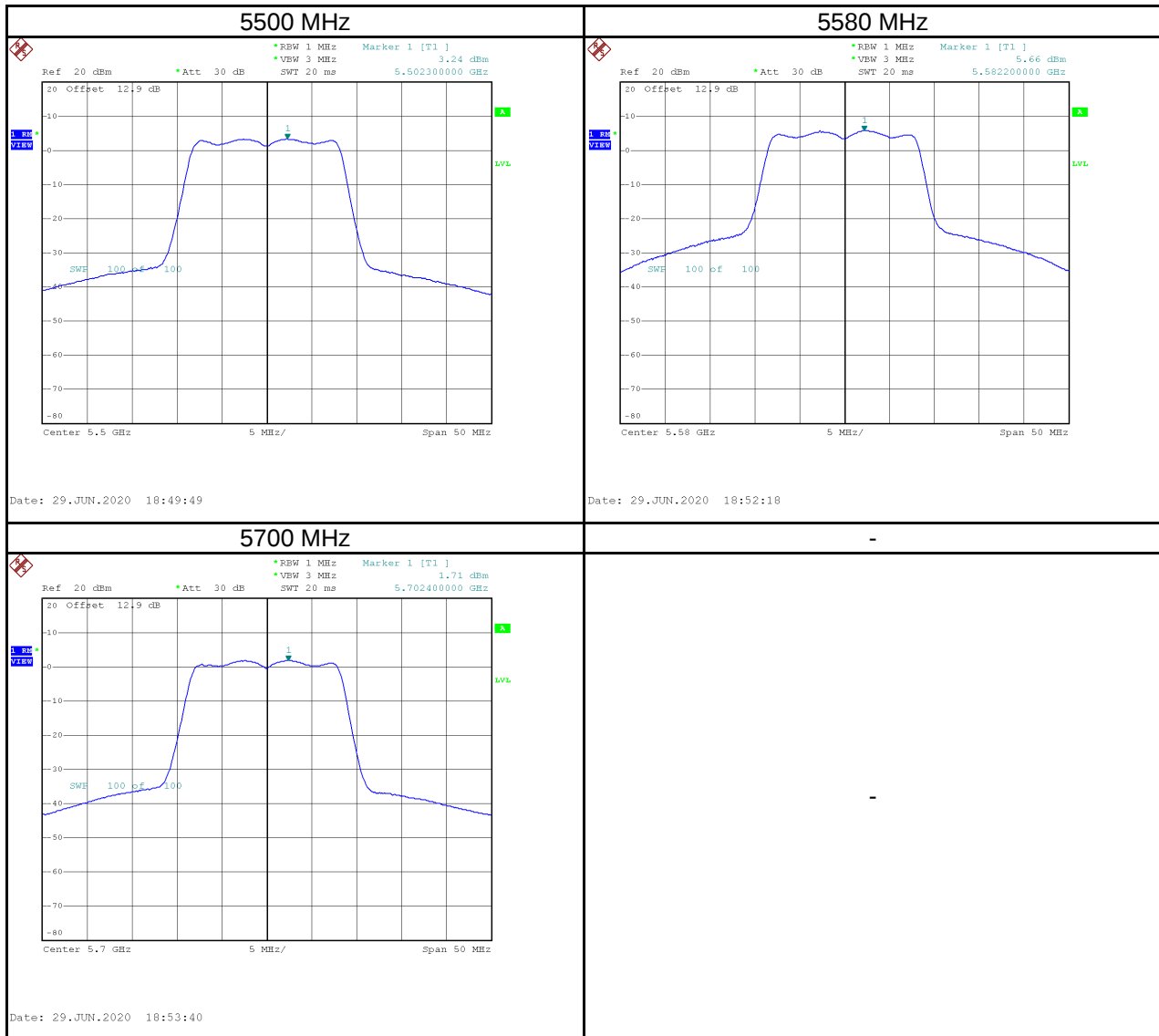
Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor (dB)	Power Density+ Duty Factor (dBm/MHz)	Limit (dBm/MHz)	Result
5180	4.86	0.00	4.86	17.00	Complies
5200	5.62	0.00	5.62	17.00	Complies
5240	5.62	0.00	5.62	17.00	Complies



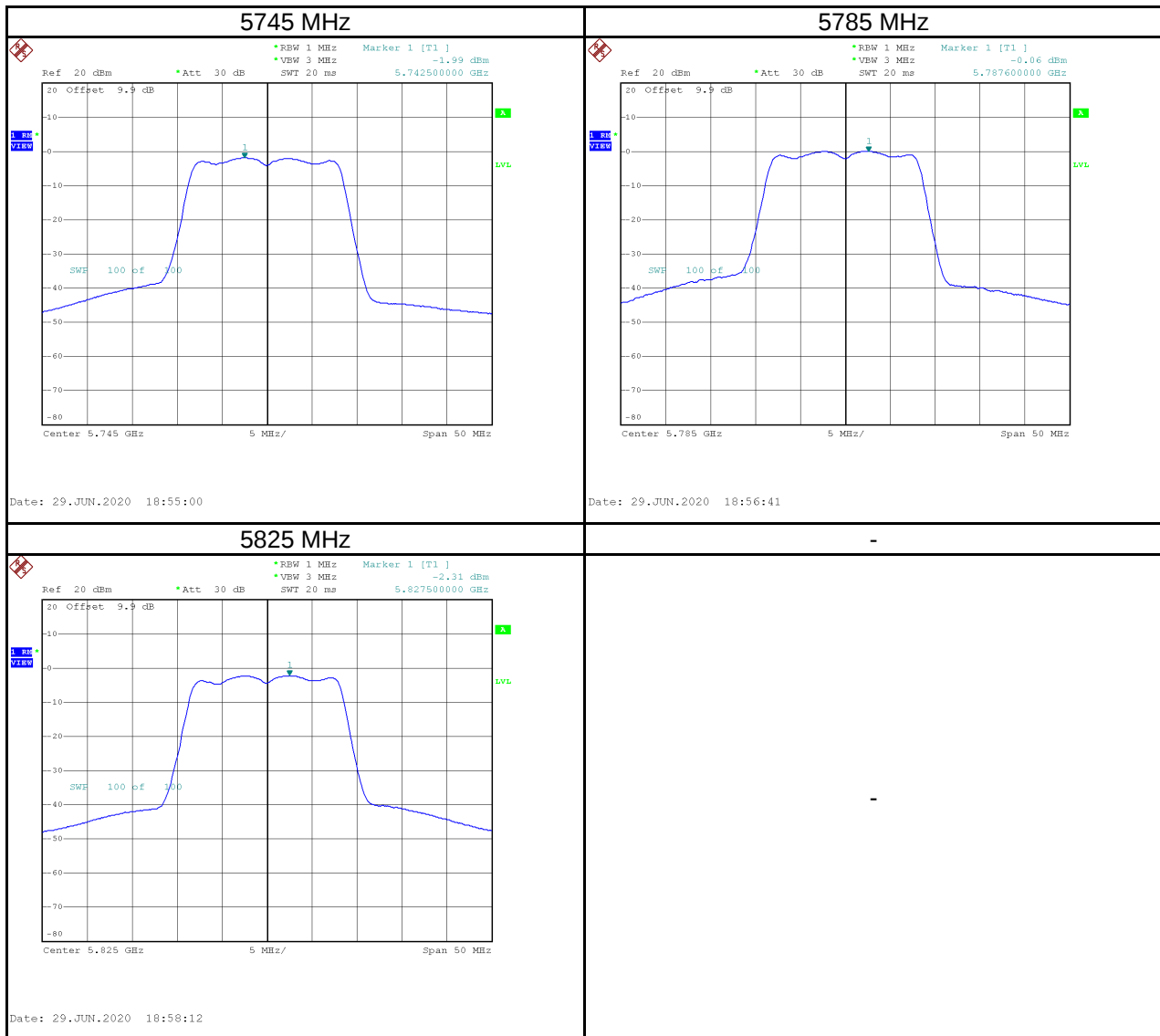
Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor (dB)	Power Density+ Duty Factor (dBm/MHz)	Limit (dBm/MHz)	Result
5260	5.76	0.00	5.76	11.00	Complies
5300	5.68	0.00	5.68	11.00	Complies
5320	5.32	0.00	5.32	11.00	Complies



Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor (dB)	Power Density+ Duty Factor (dBm/MHz)	Limit (dBm/MHz)	Result
5500	3.24	0.00	3.24	11.00	Complies
5580	5.66	0.00	5.66	11.00	Complies
5700	1.71	0.00	1.71	11.00	Complies

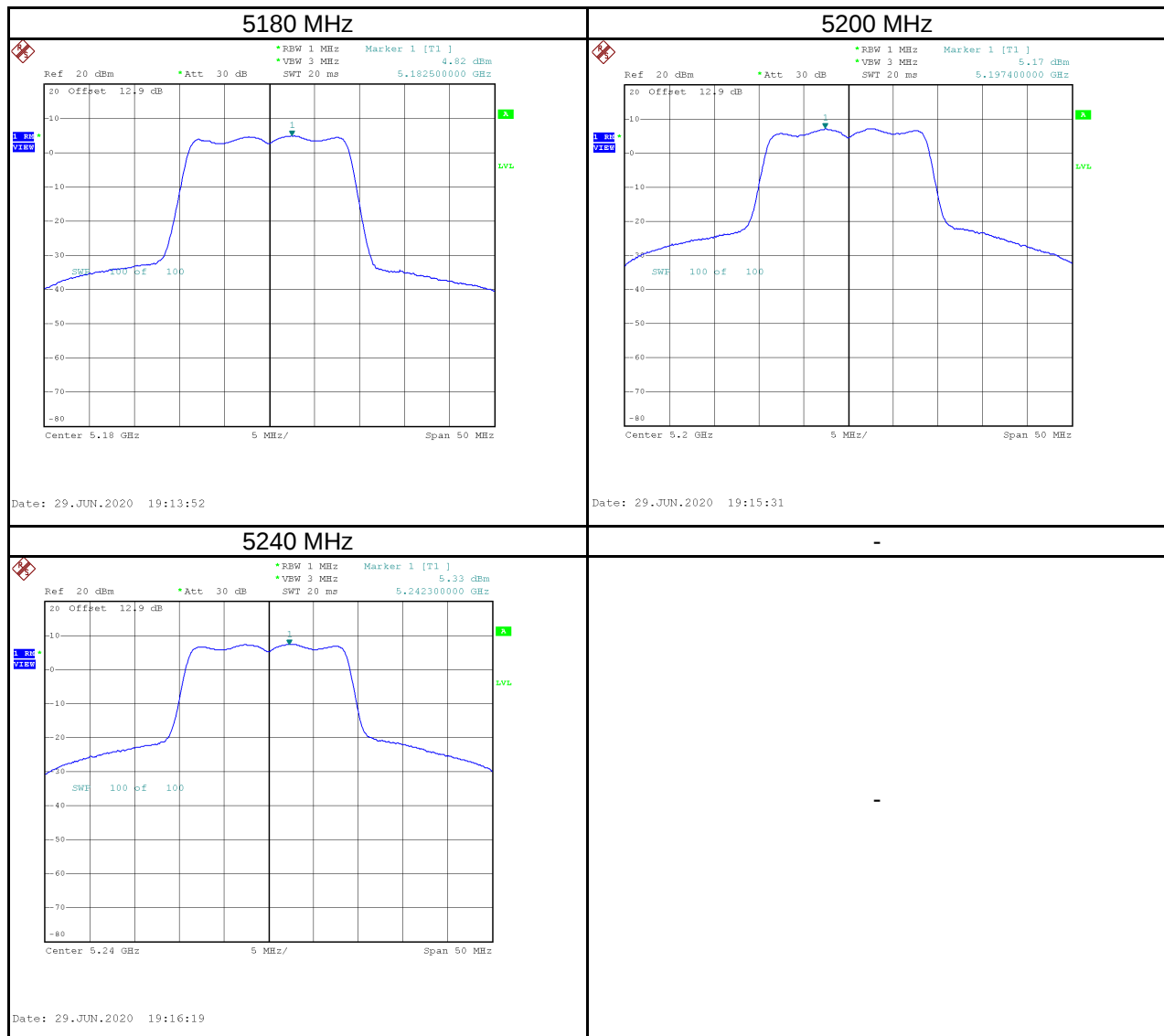


Frequency (MHz)	Power Density (dBm/500kHz)	Duty Factor (dB)	Power Density+ Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)	Result
5745	-1.99	0.00	-1.99	30.00	Complies
5785	-0.06	0.00	-0.06	30.00	Complies
5825	-2.31	0.00	-2.31	30.00	Complies

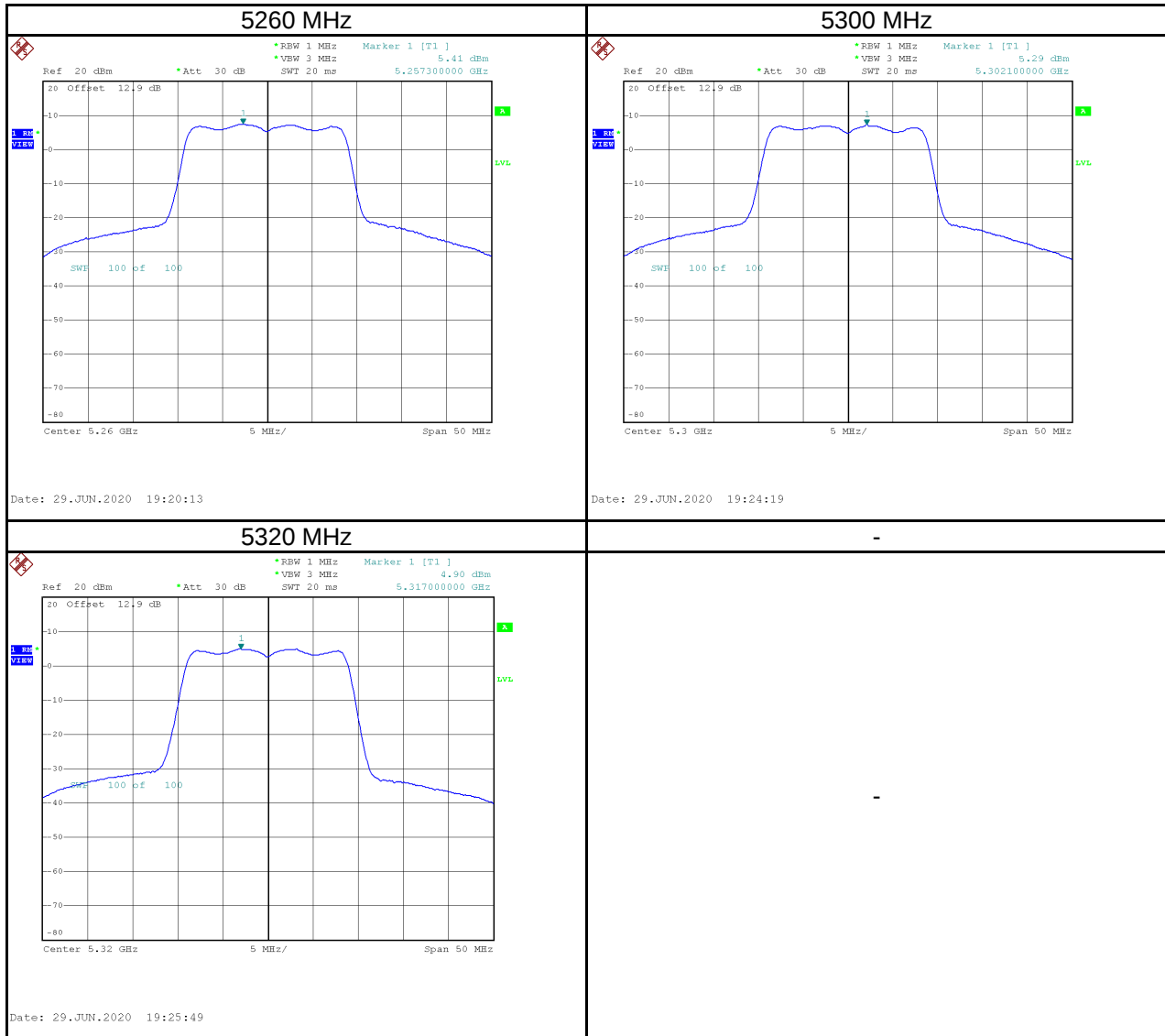


Test Mode	IEEE 802.11n (HT20)
-----------	---------------------

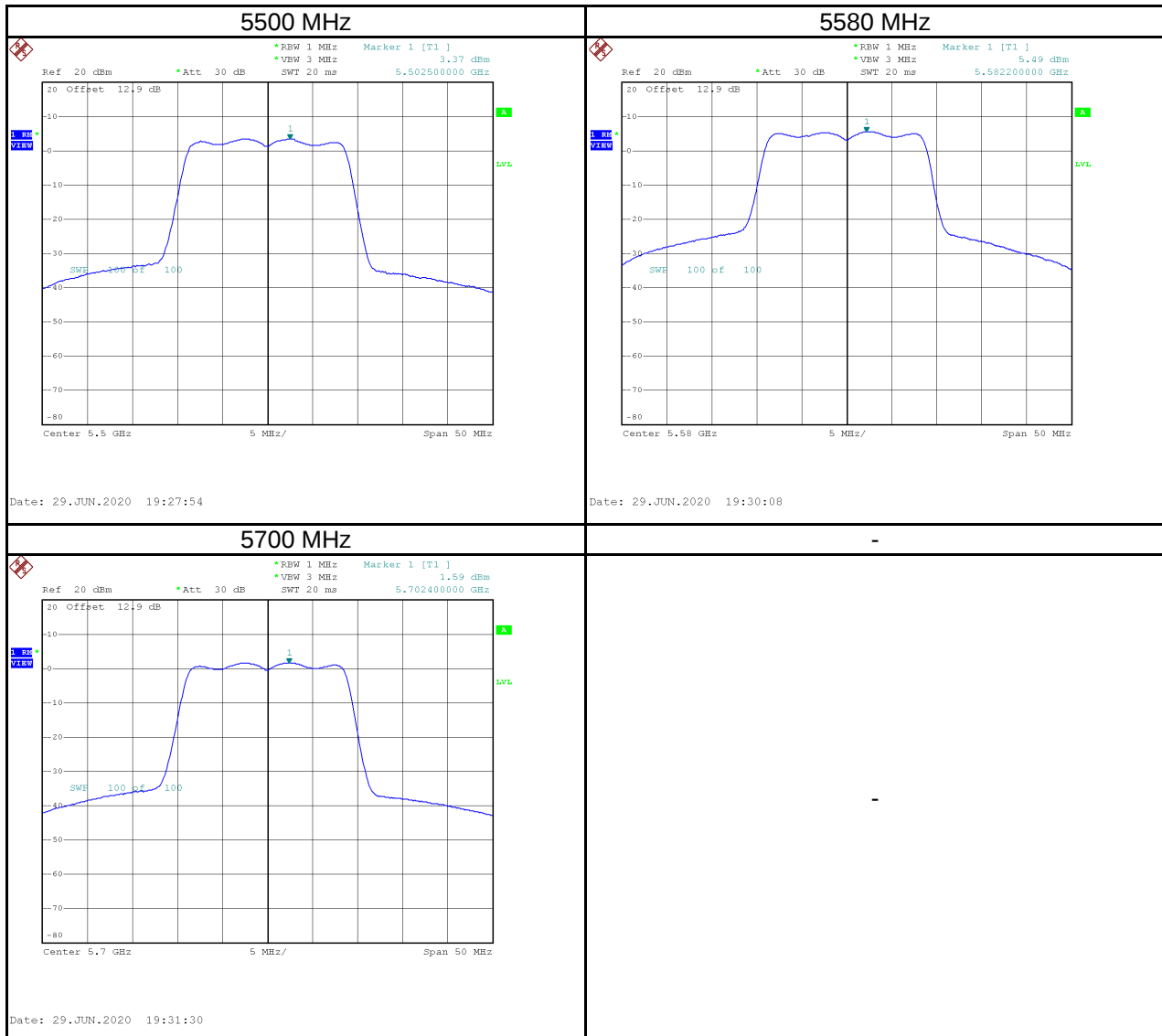
Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor (dB)	Power Density+ Duty Factor (dBm/MHz)	Limit (dBm/MHz)	Result
5180	4.82	0.00	4.82	17.00	Complies
5200	5.17	0.00	5.17	17.00	Complies
5240	5.33	0.00	5.33	17.00	Complies



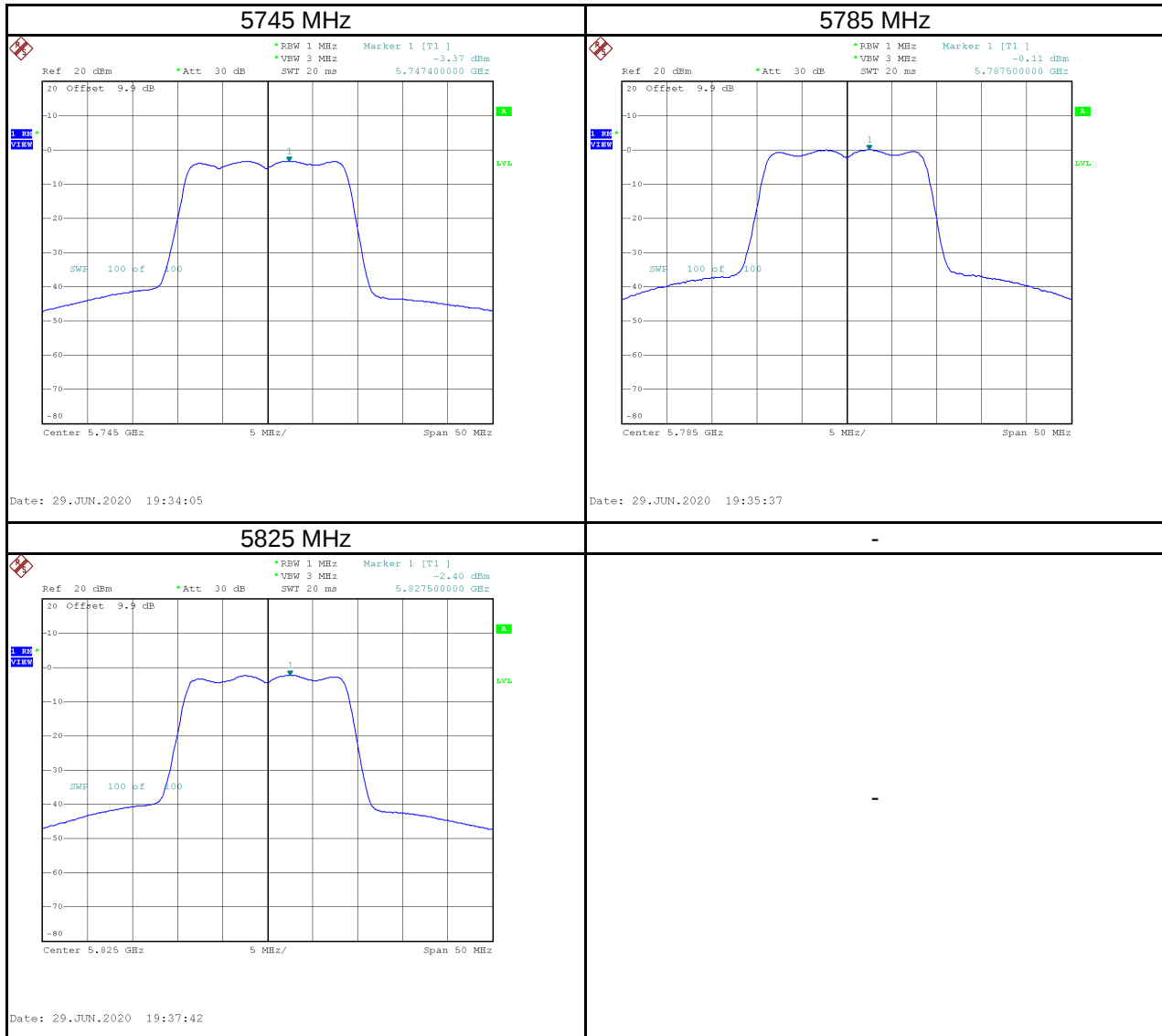
Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor (dB)	Power Density+ Duty Factor (dBm/MHz)	Limit (dBm/MHz)	Result
5260	5.41	0.00	5.41	11.00	Complies
5300	5.29	0.00	5.29	11.00	Complies
5320	4.90	0.00	4.90	11.00	Complies



Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor (dB)	Power Density+ Duty Factor (dBm/MHz)	Limit (dBm/MHz)	Result
5500	3.37	0.00	3.37	11.00	Complies
5580	5.49	0.00	5.49	11.00	Complies
5700	1.59	0.00	1.59	11.00	Complies

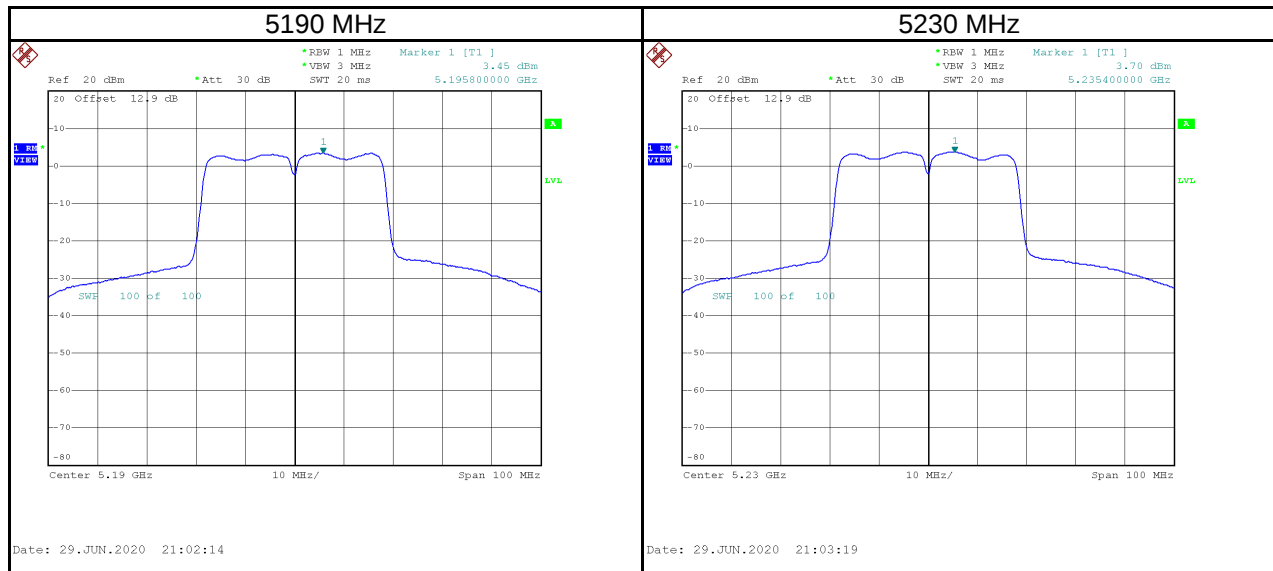


Frequency (MHz)	Power Density (dBm/500kHz)	Duty Factor (dB)	Power Density+ Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)	Result
5745	-3.37	0.00	-3.37	30.00	Complies
5785	-0.11	0.00	-0.11	30.00	Complies
5825	-2.40	0.00	-2.40	30.00	Complies

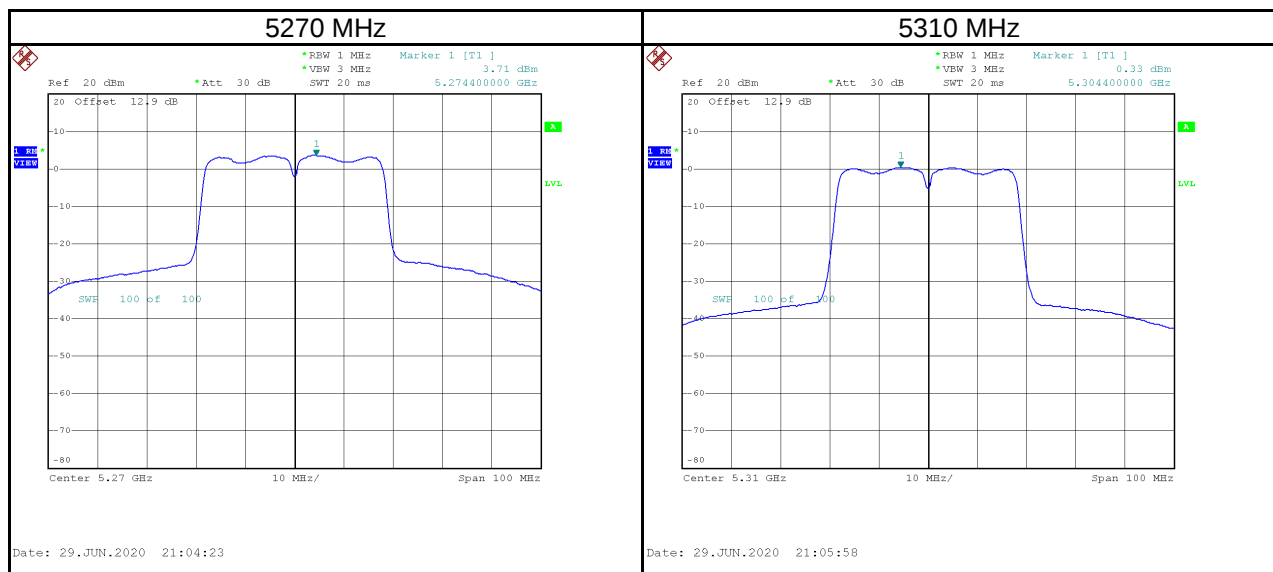


Test Mode	IEEE 802.11n (HT40)
-----------	---------------------

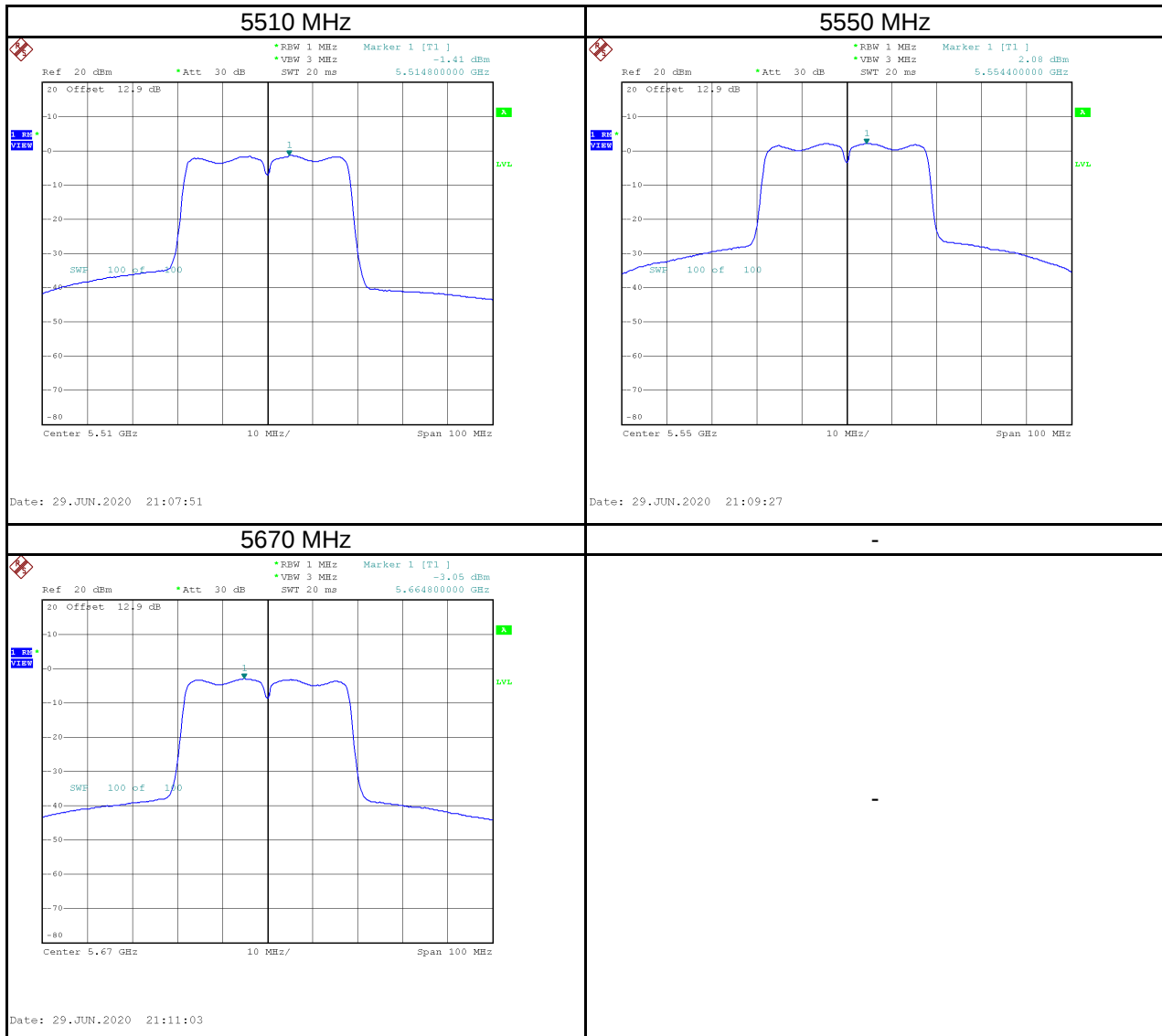
Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor (dB)	Power Density+ Duty Factor (dBm/MHz)	Limit (dBm/MHz)	Result
5190	3.45	0.00	3.45	17.00	Complies
5230	3.70	0.00	3.70	17.00	Complies



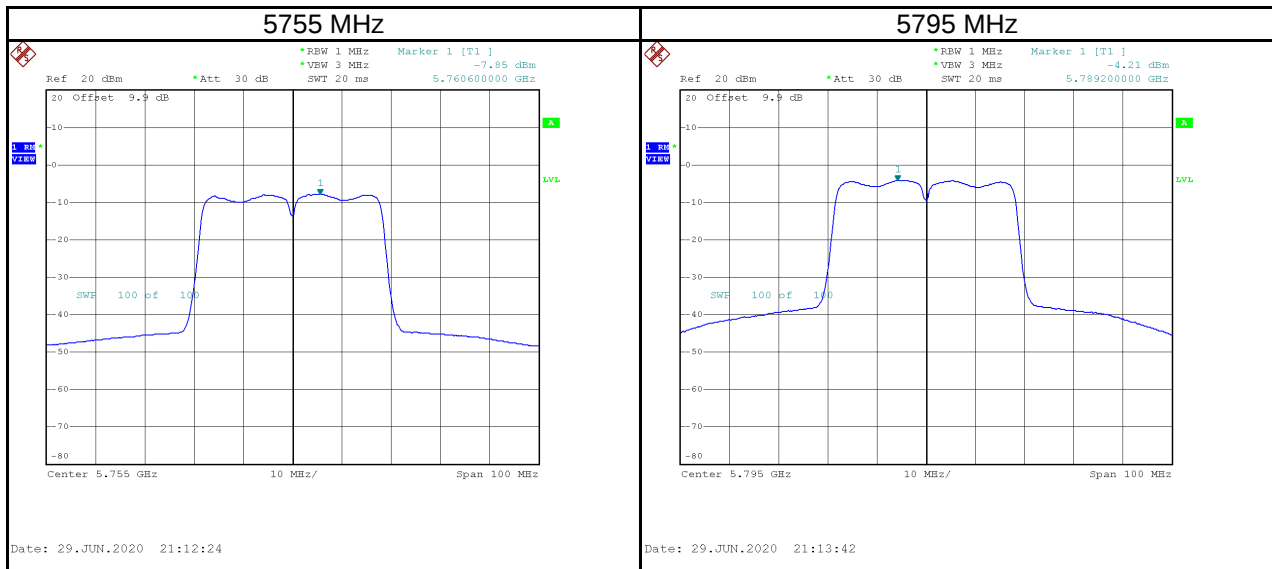
Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor (dB)	Power Density+ Duty Factor (dBm/MHz)	Limit (dBm/MHz)	Result
5270	3.71	0.00	3.71	11.00	Complies
5310	0.33	0.00	0.33	11.00	Complies



Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor (dB)	Power Density+ Duty Factor (dBm/MHz)	Limit (dBm/MHz)	Result
5510	-1.41	0.00	-1.41	11.00	Complies
5550	2.08	0.00	2.08	11.00	Complies
5670	-3.05	0.00	-3.05	11.00	Complies



Frequency (MHz)	Power Density (dBm/500kHz)	Duty Factor (dB)	Power Density+ Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)	Result
5755	-7.85	0.00	-7.85	30.00	Complies
5795	-4.21	0.00	-4.21	30.00	Complies



End of Test Report