



FCC Radio Test Report

FCC ID: TLZ-CM689

This report concerns: Original Grant

Project No. : 2602H011
Equipment : AW-CM689
Brand Name : AzureWave
Test Model : AW-CM689
Series Model : N/A
Applicant : AzureWave Technologies, Inc.
Address : 8F., No.94,Baozhong Rd.Xindi Taipei 231 Taiwan
Date of Receipt : Feb. 03, 2026
Date of Test : Feb. 24, 2026~ Apr. 20, 2026
Issued Date : Apr. 21, 2026
Test Sample : Engineering Sample No.: SH92026020367
Standard(s) : FCC CFR Title 47, Part 15, Subpart E

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc. (Shanghai)

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Declaration

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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** assumes no responsibility for the data provided by the customer, any statements, inferences or generalizations drawn by the customer or others from the reports issued by **BTL**.

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BTL's laboratory quality assurance procedures are in compliance with the ISO/IEC 17025: 2017 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.

Table of Contents	Page
REPORT ISSUED HISTORY	5
1 . APPLICABLE STANDARDS	6
2 . SUMMARY OF TEST RESULTS	6
2.1 TEST FACILITY	7
2.2 MEASUREMENT UNCERTAINTY	7
2.3 TEST ENVIRONMENT CONDITIONS	7
3 . GENERAL INFORMATION	8
3.1 GENERAL DESCRIPTION OF EUT	8
3.2 TEST MODES	11
3.3 PARAMETERS OF TEST SOFTWARE	13
3.4 DUTY CYCLE	14
3.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED	15
3.6 SUPPORT UNITS	15
3.7 CUSTOMER INFORMATION DESCRIPTION	15
4 . AC POWER LINE CONDUCTED EMISSIONS	16
4.1 LIMIT	16
4.2 TEST PROCEDURE	16
4.3 DEVIATION FROM TEST STANDARD	16
4.4 TEST SETUP	17
4.5 EUT OPERATION CONDITIONS	17
4.6 TEST RESULTS	17
5 . RADIATED EMISSIONS	18
5.1 LIMIT	18
5.2 TEST PROCEDURE	19
5.3 DEVIATION FROM TEST STANDARD	21
5.4 TEST SETUP	21
5.5 EUT OPERATION CONDITIONS	23
5.6 TEST RESULTS - 9 KHZ TO 30 MHZ	23
5.7 TEST RESULTS - 30 MHZ TO 1000 MHZ	23
5.8 TEST RESULTS - ABOVE 1000 MHZ	23
6 . BANDWIDTH	24
6.1 LIMIT	24

Table of Contents	Page
6.2 TEST PROCEDURE	24
6.3 DEVIATION FROM STANDARD	24
6.4 TEST SETUP	25
6.5 EUT OPERATION CONDITIONS	25
6.6 TEST RESULTS	25
7 . MAXIMUM OUTPUT POWER	26
7.1 LIMIT	26
7.2 TEST PROCEDURE	26
7.3 DEVIATION FROM STANDARD	26
7.4 TEST SETUP	26
7.5 EUT OPERATION CONDITIONS	26
7.6 TEST RESULTS	26
8 . POWER SPECTRAL DENSITY	27
8.1 LIMIT	27
8.2 TEST PROCEDURE	27
8.3 DEVIATION FROM STANDARD	27
8.4 TEST SETUP	28
8.5 EUT OPERATION CONDITIONS	28
8.6 TEST RESULTS	28
9 . MEASUREMENT INSTRUMENTS LIST	29
10 . EUT TEST PHOTOS	31
APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS	36
APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ	39
APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ	44
APPENDIX D - RADIATED EMISSION - ABOVE 1000 MHZ	47
APPENDIX E - BANDWIDTH	120
APPENDIX F - MAXIMUM OUTPUT POWER	129
APPENDIX G - POWER SPECTRAL DENSITY	132

REPORT ISSUED HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-2-2602H011	R00	Original Report.	Apr. 08, 2026	Invalid
BTL-FCCP-2-2602H011	R01	This report updated applicable standards for Chapter 1. and the 99 % occupied bandwidth of UNII-1, UNII-3 and channel 116 bandwidth of UNII-2C_TX AC(VHT20), and the 6dB bandwidth of UNII-3. It is a revision of the report with serial number BTL-FCCP-2-2602H011 R00. This is a newly released report, replacing the BTL-FCCP-2-2602H011 R00 report.	Apr. 21, 2026	Valid

1. APPLICABLE STANDARDS

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

ANSI C63.10-2020+Cor. 1-2023.

The following reference test guidance is not within the scope of accreditation of A2LA:

KDB 789033 D02 General UNII Test Procedures New Rules v02r01

KDB 662911 D01 Multiple Transmitter Output v02r01

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

FCC CFR Title 47, Part 15, Subpart E				
Standard(s) Section	Test Item	Test Result	Judgment	Remark
15.207 15.407(b)	AC Power Line Conducted Emissions	APPENDIX A	PASS	-----
15.407(b) 15.205(a) 15.209(a)	Radiated Emissions	APPENDIX B APPENDIX C APPENDIX D	PASS	-----
15.407(a) 15.407(e)	Bandwidth	APPENDIX E	PASS	-----
15.407(a)	Maximum Output Power	APPENDIX F	PASS	-----
15.407(a)	Power Spectral Density	APPENDIX G	PASS	-----
15.203	Antenna Requirements	-----	PASS	NOTE (2)
15.407(c)	Automatically Discontinue Transmission	-----	PASS	NOTE (3)

Note:

- (1) "N/A" denotes test is not applicable in this test report.
- (2) The device what use a permanently attached antenna were considered sufficient to comply with the provisions of 15.203.
- (3) During no any information transmission, the EUT can automatically discontinue transmission and become standby mode for power saving. the EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.
- (4) For UNII-1 this device was functioned as a
 - ☐ Outdoor access point device
 - ☐ Indoor access point device
 - ☐ Fixed point-to-point access points device
 - ☒ Client device

2.1 TEST FACILITY

The test facilities used to collect the test data in this report is at the location of No. 29, Jintang Road, Tangzhen Industry Park, Pudong New Area, Shanghai 201210, China.

BTL's Registration Number for FCC: 964234

BTL's Designation Number for FCC: CN1374

2.2 MEASUREMENT UNCERTAINTY

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2))

The BTL measurement uncertainty as below table:

A. Radiated emissions test:

Test Site	Method	Measurement Frequency Range	Ant. H / V	U, (dB)
SH-CB02	CISPR	9 KHz~30 MHz	-	2.30
		30 MHz~200 MHz	V	4.48
		30 MHz~200 MHz	H	3.16
		200 MHz~1,000 MHz	V	4.70
		200 MHz~1,000 MHz	H	3.82
		1GHz ~ 6GHz	-	3.94
		6GHz ~ 18GHz	-	4.62
		18 GHz ~ 26.5 GHz	-	2.84
		26.5 GHz~40 GHz	-	2.90

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

2.3 TEST ENVIRONMENT CONDITIONS

Test Item	Temperature	Humidity	Test Voltage	Tested By
AC Power Line Conducted Emissions	16.8°C	49%	DC 5V	Zane Zhao
Radiated Emissions-9kHz to 30MHz	19.8°C	40%	DC 5V	Ellie wei
Radiated Emissions-30MHz to 1000MHz	18.2°C	45%	DC 5V	Ellie Wei
Radiated Emissions-Above 1000 MHz	17.5°C~19.8°C	41%~48%	DC 5V	Ellie Wei
Bandwidth	19.8°C	48%	DC 5V	Noel Kuai
Maximum Output Power	20.2°C	38%	DC 5V	Noel Kuai
Power Spectral Density	19.8°C	48%	DC 5V	Noel Kuai

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	AW-CM689
Brand Name	AzureWave
Test Model	AW-CM689
Series Model	N/A
Model Difference(s)	N/A
Software Version	N/A
Hardware Version	N/A
Power Source	DC Voltage supplied from host system.
Power Rating	DC 5V
Operation Frequency Band(s)	UNII-1: 5150 MHz ~ 5250 MHz UNII-2A: 5250 MHz ~ 5350 MHz UNII-2C: 5470 MHz ~ 5725 MHz UNII-3: 5725 MHz ~ 5850 MHz
Modulation Type	IEEE 802.11a/n/ac: OFDM
Bit Rate of Transmitter	IEEE 802.11a: 54/48/36/24/18/12/9/6 Mbps IEEE 802.11n: up to 72.2 Mbps IEEE 802.11ac: up to 86.7 Mbps
Maximum Output Power UNII-1	IEEE 802.11ac20: 19.05 dBm (0.0804 W)
Maximum Output Power UNII-2A	IEEE 802.11a: 19.94 dBm (0.0986 W)
Maximum Output Power UNII-2C	IEEE 802.11a: 19.65 dBm (0.0923 W)
Maximum Output Power UNII-3	IEEE 802.11a: 19.59 dBm (0.0910 W)

Note:

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

2. Channel List:

IEEE 802.11a IEEE 802.11n(HT20) IEEE 802.11ac(VHT20)	
UNII-1	
Channel	Frequency (MHz)
36	5180
40	5200
44	5220
48	5240

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

IEEE 802.11a IEEE 802.11n(HT20) IEEE 802.11ac(VHT20)	
UNII-2C	
Channel	Frequency (MHz)
100	5500
104	5520
108	5540
112	5560
116	5580
120	5600
124	5620
128	5640
132	5660
136	5680
140	5700

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

3. Antenna Specification:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	ARISTOTLE	RFA-27-JP326M HF4C198	PIFA	IPEX	5

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	ARISTOTLE	RFA-27-C38H1M HF4C198	Dipole	IPEX	5

Note: Antenna optional.

3.2 TEST MODES

The test system was pre-tested based on the consideration of all possible combinations of EUT operation mode.

Pretest Mode	Description
Mode 1	TX A Mode Channel 36/40/48 (UNII-1)
Mode 2	TX AC(VHT20) Mode Channel 36/40/48 (UNII-1)
Mode 3	TX A Mode Channel 52/60/64 (UNII-2A)
Mode 4	TX AC(VHT20) Mode Channel 52/60/64 (UNII-2A)
Mode 5	TX A Mode Channel 100/116/140 (UNII-2C)
Mode 6	TX AC(VHT20) Mode Channel 100/116/140 (UNII-2C)
Mode 7	TX A Mode Channel 149/157/165 (UNII-3)
Mode 8	TX AC(VHT20) Mode Channel 149/157/165 (UNII-3)

Following mode(s) was (were) found to be the worst case(s) and selected for the final test.

AC power line conducted emissions test	
Final Test Mode	Description
Mode 3	TX A Mode Channel 60 (UNII-2A)

Radiated Emissions Test - Below 1GHz	
Final Test Mode	Description
Mode 3	TX A Mode Channel 60 (UNII-2A)

Radiated Emissions Test - Above 1GHz	
Final Test Mode	Description
Mode 1	TX A Mode Channel 36/40/48 (UNII-1)
Mode 2	TX AC(VHT20) Mode Channel 36/40/48 (UNII-1)
Mode 3	TX A Mode Channel 52/60/64 (UNII-2A)
Mode 4	TX AC(VHT20) Mode Channel 52/60/64 (UNII-2A)
Mode 5	TX A Mode Channel 100/116/140 (UNII-2C)
Mode 6	TX AC(VHT20) Mode Channel 100/116/140 (UNII-2C)
Mode 7	TX A Mode Channel 149/157/165 (UNII-3)
Mode 8	TX AC(VHT20) Mode Channel 149/157/165 (UNII-3)

Conducted Test	
Final Test Mode	Description
Mode 1	TX A Mode Channel 36/40/48 (UNII-1)
Mode 2	TX AC(VHT20) Mode Channel 36/40/48 (UNII-1)
Mode 3	TX A Mode Channel 52/60/64 (UNII-2A)
Mode 4	TX AC(VHT20) Mode Channel 52/60/64 (UNII-2A)
Mode 5	TX A Mode Channel 100/116/140 (UNII-2C)
Mode 6	TX AC(VHT20) Mode Channel 100/116/140 (UNII-2C)
Mode 7	TX A Mode Channel 149/157/165 (UNII-3)
Mode 8	TX AC(VHT20) Mode Channel 149/157/165 (UNII-3)

Note:

- (1) For AC power line conducted emissions and radiated emission below 1 GHz test, the TX A Mode Channel 60(UNII-2A) is found to be the worst case and recorded.
- (2) For radiated emission Harmonic 18-40GHz test, only tested the worst case and recorded.
- (3) All the bit rate of transmitter have been tested and found the lowest rate is found to be the worst case and recorded.
- (4) The radiated spurious test was conducted in the X/Y/Z three-axis mode, but only the worst X-axis mode results are listed in this report.
- (5) IEEE 802.11ac(VHT20) covers IEEE 802.11n(HT20),due to same modulation. The power setting for IEEE 802.11n(HT20)are the same or lower than IEEE 802.11ac(VHT20) . So only the ac mode is fully tested and documented in the report.

3.3 PARAMETERS OF TEST SOFTWARE

UNII-1			
Test Software Version	IPOP V4.0		
Frequency (MHz)	5180	5200	5240
IEEE 802.11a	75	84	84
IEEE 802.11ac(VHT20)	75	84	84

UNII-2A			
Test Software Version	IPOP V4.0		
Frequency (MHz)	5260	5300	5320
IEEE 802.11a	84	84	75
IEEE 802.11ac(VHT20)	84	84	75

UNII-2C			
Test Software Version	IPOP V4.0		
Frequency (MHz)	5500	5580	5700
IEEE 802.11a	80	88	80
IEEE 802.11ac(VHT20)	84	84	84

UNII-3			
Test Software Version	IPOP V4.0		
Frequency (MHz)	5745	5785	5825
IEEE 802.11a	84	84	84
IEEE 802.11ac(VHT20)	84	84	84

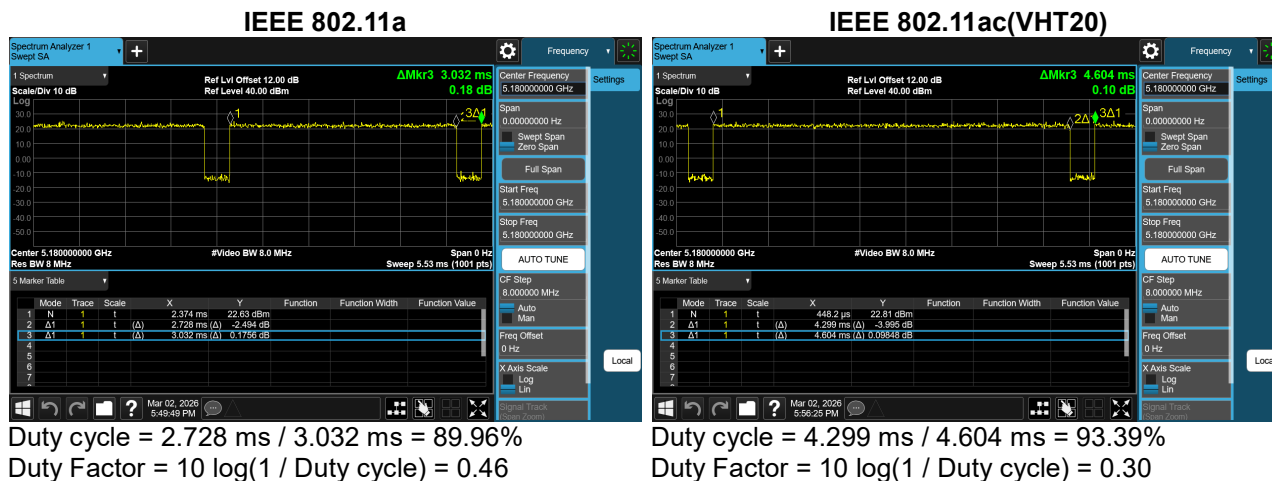
3.4 DUTY CYCLE

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

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

The output power = measured power + duty factor.

The power spectral density = measured power spectral density + duty factor.



NOTE:

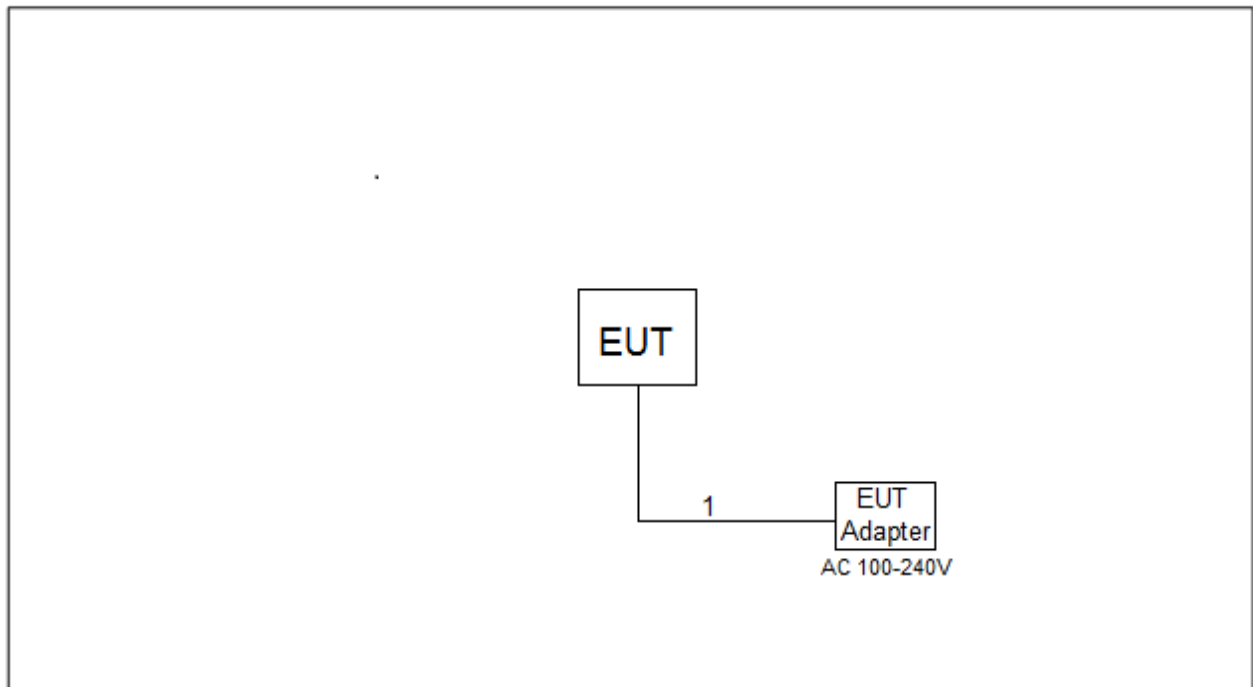
For IEEE 802.11a:

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 1KHz (Duty cycle $< 98\%$).

For IEEE 802.11ac(VHT20):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 1KHz (Duty cycle $< 98\%$).

3.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



3.6 SUPPORT UNITS

Item	Equipment	Brand	Model No.	Series No.
-	-	-	-	-

Item	Cable Type	Shielded Type	Ferrite Core	Length
1	DC Cable	NO	NO	1.2m

3.7 CUSTOMER INFORMATION DESCRIPTION

- 1) The antenna gain and beamforming gain are provided by the manufacturer. Except for AC power line conducted emissions and radiated emissions, the results of all test items include cable losses. All cable losses are provided by the testing laboratory.

4. AC POWER LINE CONDUCTED EMISSIONS

4.1 LIMIT

Frequency (MHz)	Limit (dB μ V)	
	Quasi-peak	Average
0.15 - 0.5	66 to 56*	56 to 46*
0.5 - 5.0	56	46
5.0 - 30.0	60	50

NOTE:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

4.2 TEST PROCEDURE

- a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipment powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item -EUT Test Photos.

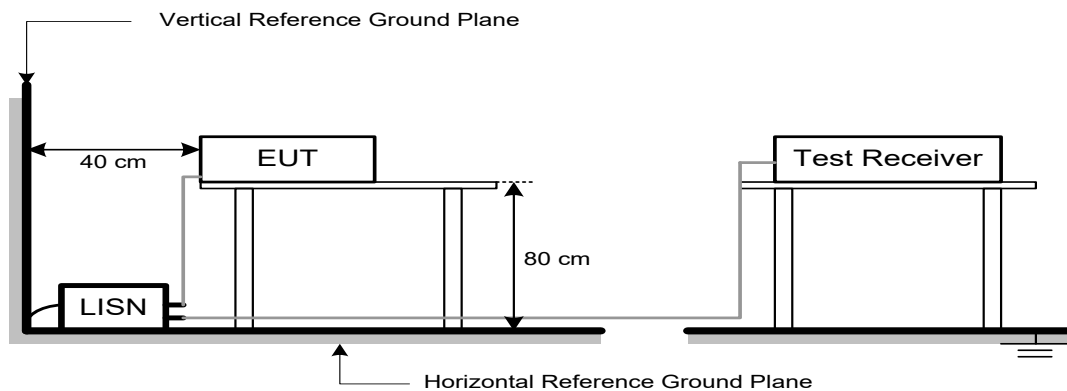
The following table is the setting of the receiver:

Receiver Parameter	Setting
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

4.3 DEVIATION FROM TEST STANDARD

No deviation

4.4 TEST SETUP



4.5 EUT OPERATION CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

The EUT was programmed to be in continuously transmitting/TX mode.

4.6 TEST RESULTS

Please refer to the APPENDIX A.

5. RADIATED EMISSIONS

5.1 LIMIT

In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) 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
Above 960	500	3

LIMITS OF UNWANTED EMISSION OUT OF THE RESTRICTED BANDS (Above 1000 MHz)

Frequency (MHz)	EIRP Limit (dBm/MHz)	Band edge at 3m (dBμV/m)	Harmonic at 1m (dBμV/m)
5150-5250	-27	68.2	77.7 (Note 3)
5250-5350	-27	68.2	77.7 (Note 3)
5470-5725	-27	68.2	77.7 (Note 3)
5725-5850 NOTE (2)	-27	68.2	77.7 (Note 3)
	10	105.2	114.7 (Note 3)
	15.6	110.8	120.3 (Note 3)
	27	122.2	131.7 (Note 3)

NOTE:

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

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

- (2) According to 15.407(b)(4)(i), 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)

$$FS_{\text{limit}} = FS_{\text{max}} - 20\log\left(\frac{d_{\text{limit}}}{d_{\text{measure}}}\right)$$

$$20\log(d_{\text{limit}}/d_{\text{measure}})=20\log(3/1)=9.5 \text{ dB.}$$

5.2 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 or 1m 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 0.8m or 1.5m; 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 1 GHz.
- 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 1 GHz)
- 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 1 GHz)
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

The following table is the setting of the receiver:

Spectrum Parameters	Setting
Start ~ Stop Frequency	9 kHz~150 kHz for RBW 200 Hz
Start ~ Stop Frequency	0.15 MHz~30 MHz for RBW 9 kHz
Start ~ Stop Frequency	30 MHz~1000 MHz for RBW 100 kHz

Spectrum Parameters	Setting
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic or 40 GHz, whichever is lower
RBW / VBW (Emission in restricted band)	1 MHz / 3 MHz for PK value 1 MHz / 1/T Hz for AVG value

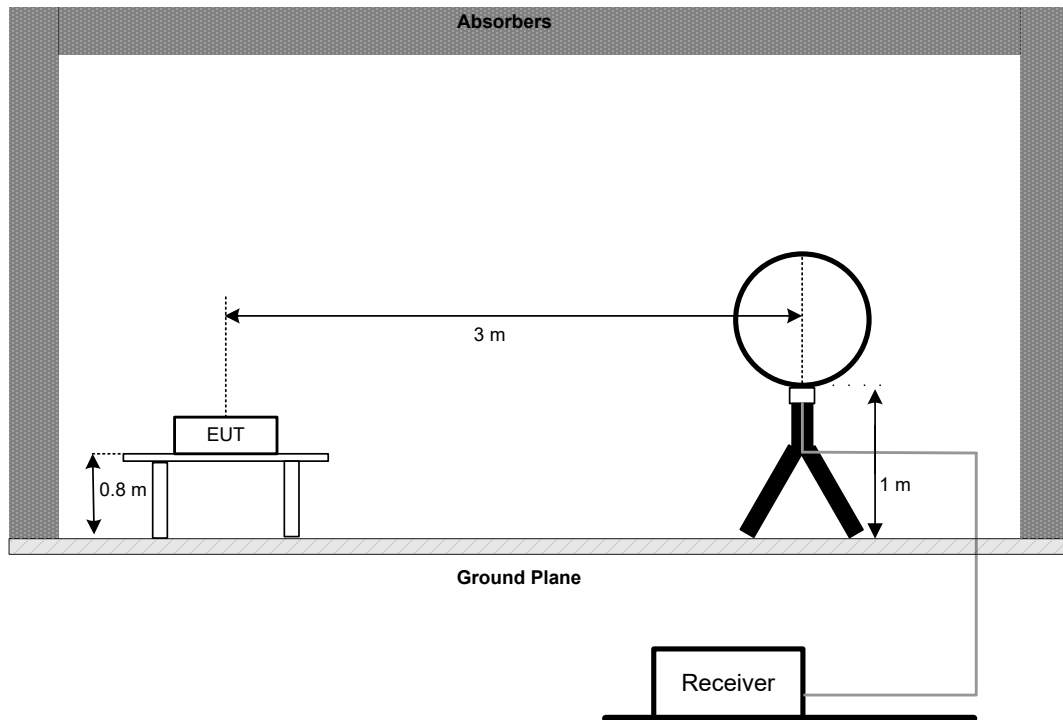
Receiver Parameters	Setting
Start ~ Stop Frequency	9 kHz~90 kHz for PK/AVG detector
Start ~ Stop Frequency	90 kHz~110 kHz for QP detector
Start ~ Stop Frequency	110 kHz~490 kHz for PK/AVG detector
Start ~ Stop Frequency	490 kHz~30 MHz for QP detector
Start ~ Stop Frequency	30 MHz~1000 MHz for QP detector
Start ~ Stop Frequency	1 GHz~40 GHz for PK/AVG detector

5.3 DEVIATION FROM TEST STANDARD

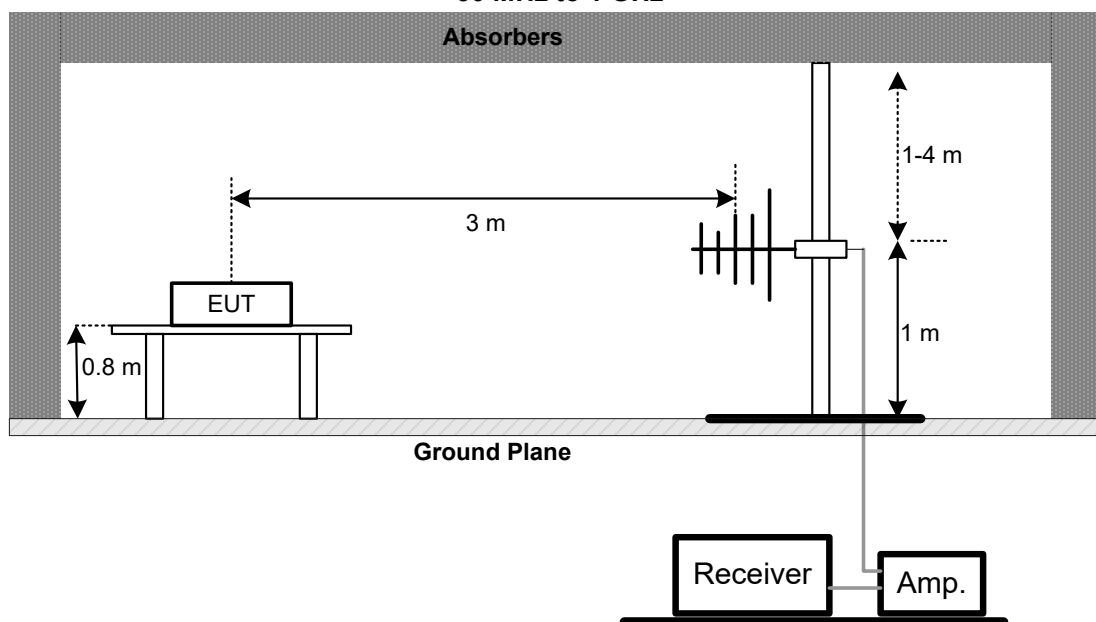
No deviation.

5.4 TEST SETUP

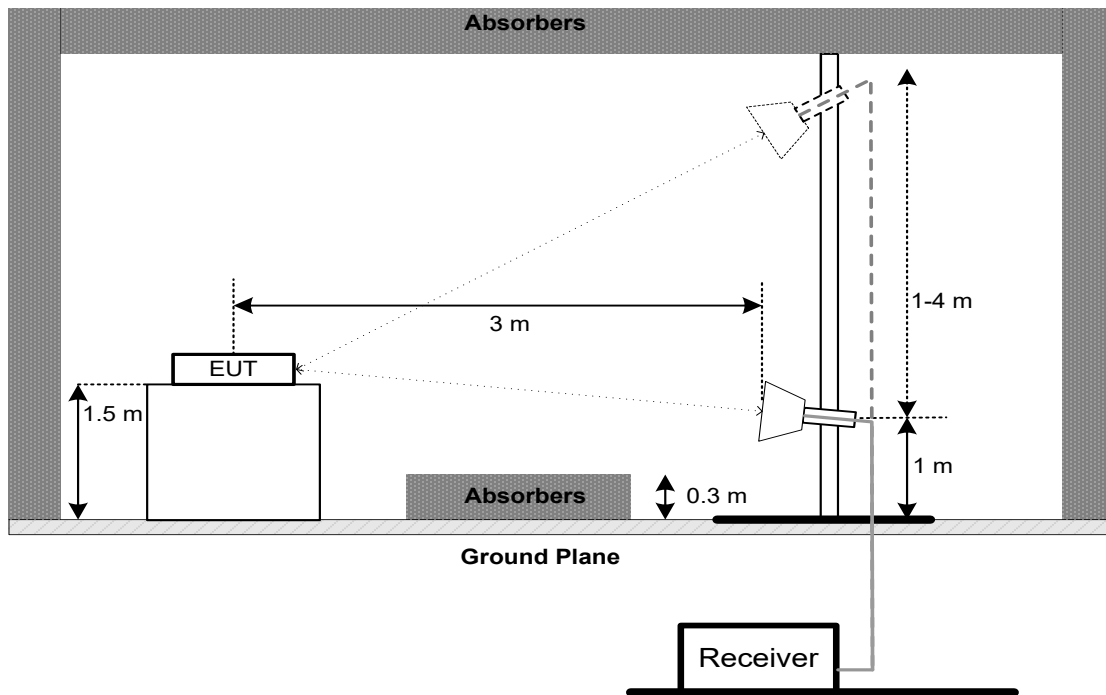
9 kHz to 30 MHz



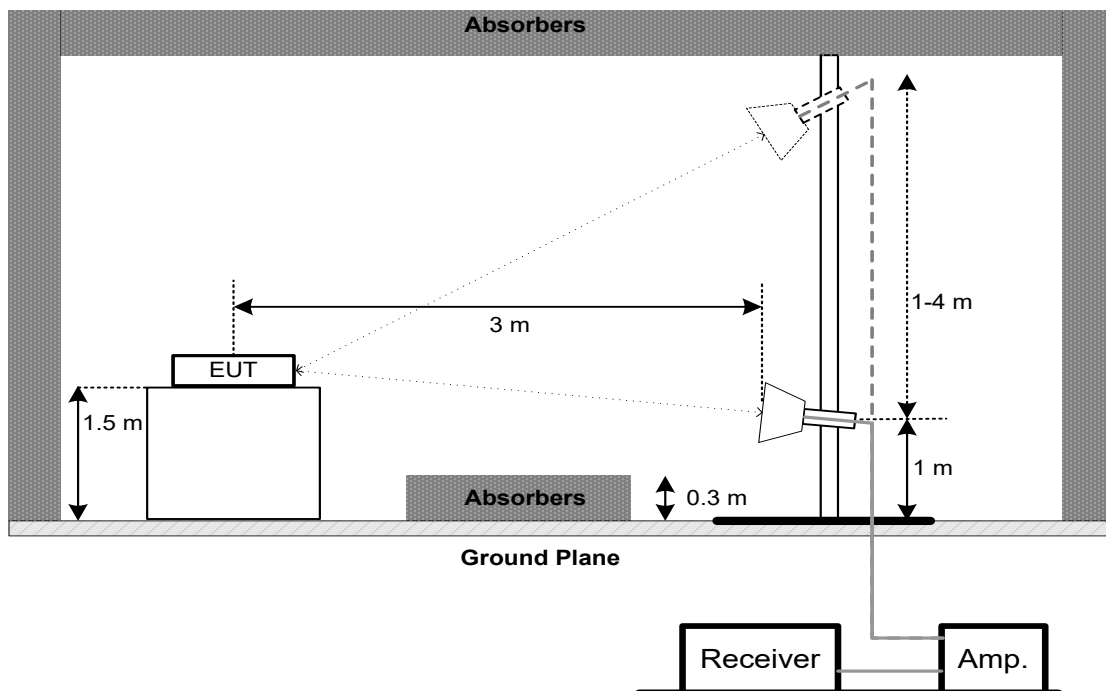
30 MHz to 1 GHz



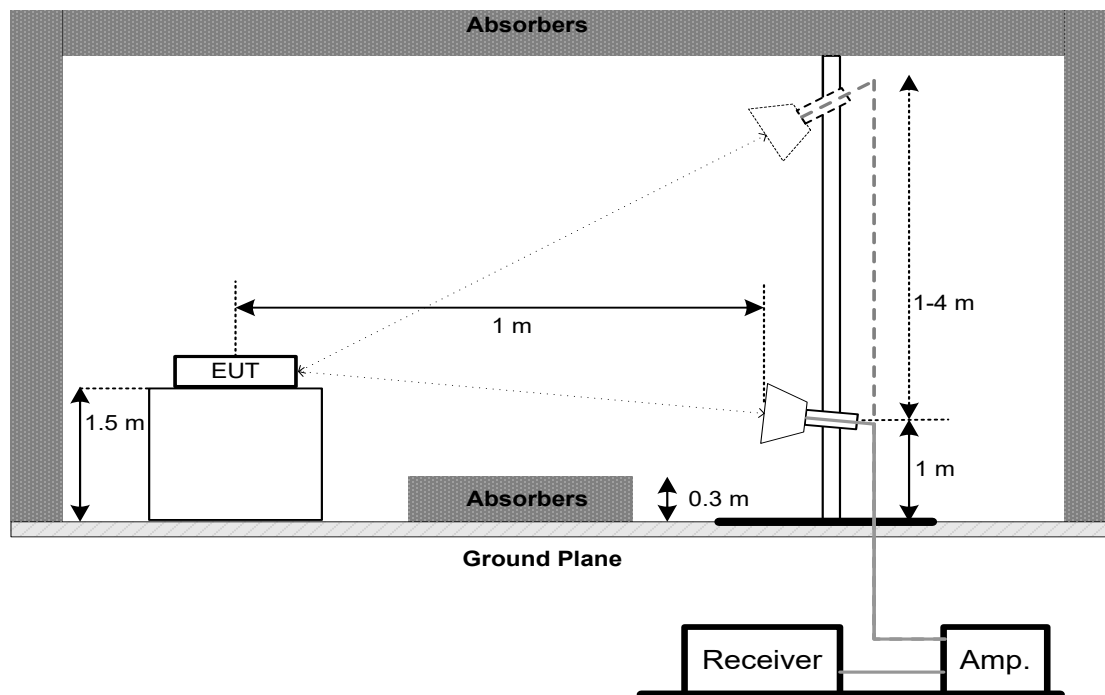
Above 1 GHz Band edge



Harmonic (1 GHz to 18 GHz)



Harmonic (18 GHz to 40 GHz)



5.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 3.5 unless otherwise a special operating condition is specified in the follows during the testing.

5.6 TEST RESULTS - 9 KHZ TO 30 MHZ

Please refer to the APPENDIX B.

Remark:

- (1) Distance extrapolation factor = $40 \log (\text{specific distance} / \text{test distance})$ (dB).
- (2) Limit line = specific limits (dBuV) + distance extrapolation factor.

5.7 TEST RESULTS - 30 MHZ TO 1000 MHZ

Please refer to the APPENDIX C.

5.8 TEST RESULTS - ABOVE 1000 MHZ

Please refer to the APPENDIX D.

Remark:

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

6. BANDWIDTH

6.1 LIMIT

Section	Test Item	Limit	Frequency Range (MHz)
FCC 15.407(a) FCC 15.407(e)	26 dB Bandwidth	-	5150-5250
	26 dB Bandwidth	-	5250-5350
	26 dB Bandwidth	-	5470-5725
	6 dB Bandwidth	Minimum 500 kHz	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:
For UNII-1, UNII-2A, UNII-2C:

Spectrum Parameter	Setting
Span Frequency	> 26 dB Bandwidth
RBW	Appromiximately 1% of the emission bandwidth
VBW	> RBW
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

For UNII-3:

Spectrum Parameter	Setting
Span Frequency	> 6 dB Bandwidth
RBW	100 kHz
VBW	300 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

For 99% Occupied Bandwidth:

Spectrum Parameter	Setting
Span Frequency	1.5 times to 5 times the OBW
RBW	1% to 5% of the OBW
VBW	$\geq 3 \times \text{RBW}$
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

- c. Measured the spectrum width with power higher than 26 dB / 6 dB below carrier.

6.3 DEVIATION FROM STANDARD

No deviation.

6.4 TEST SETUP



6.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

6.6 TEST RESULTS

Please refer to the APPENDIX E.

7. MAXIMUM OUTPUT POWER

7.1 LIMIT

Section	Test Item	Limit	Frequency Range (MHz)
FCC 15.407(a)	Maximum Output Power	AP device: 1 Watt (30 dBm) Client device: 250 mW (23.98 dBm)	5150-5250
		250 mW (23.98 dBm)	5250-5350
		250 mW (23.98 dBm)	5470-5725
		1 Watt (30dBm)	5725-5850

Note:

- For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
- For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10log B, where B is the 26dB Bandwidth in megahertz.

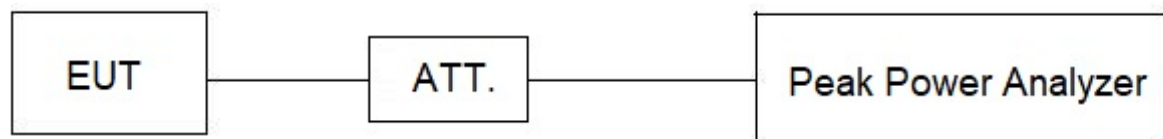
7.2 TEST PROCEDURE

- The EUT was directly connected to the peak power analyzer and antenna output port as show in the block diagram below.
- The test was performed in accordance with method of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

7.3 DEVIATION FROM STANDARD

No deviation.

7.4 TEST SETUP



7.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

7.6 TEST RESULTS

Please refer to the APPENDIX F.

8. POWER SPECTRAL DENSITY

8.1 LIMIT

Section	Test Item	Limit	Frequency Range (MHz)
FCC 15.407(a)	Power Spectral Density	AP device: 17 dBm/MHz Client device: 11 dBm/MHz	5150-5250
		11 dBm/MHz	5250-5350
		11 dBm/MHz	5470-5725
		30 dBm/500 kHz	5725-5850

8.2 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- Spectrum Setting:
For UNII-1, UNII-2A, UNII-2C:

Spectrum Parameter	Setting
Span Frequency	Encompass the entire emissions bandwidth (EBW) of the signal
RBW	1 MHz.
VBW	3 MHz.
Detector	RMS
Trace average	100 trace
Sweep Time	Auto

For UNII-3:

Spectrum Parameter	Setting
Span Frequency	Encompass the entire emissions bandwidth (EBW) of the signal
RBW	100 kHz.
VBW	300 kHz.
Detector	RMS
Trace average	100 trace
Sweep Time	Auto

Note:

- For UNII-3, according to KDB publication 789033 D02 General UNII Test Procedures New Rules v02r01, section II.F.5., it is acceptable to set RBW at 100kHz and VBW at 300kHz if the spectrum analyzer does not have 500 kHz RBW. Then, add $10 \log (500 \text{ kHz}/100 \text{ kHz})$ to the measured result, i.e. 7 dB.
- During the test of U-NII 3 PSD, the measurement result with RBW=100kHz has been added 7 dB by compensating offset. For example, the cable loss is 13 dB, and the final offset is $13 + 7 = 20 \text{ dB}$ when RBW=100kHz is used.

8.3 DEVIATION FROM STANDARD

No deviation.

8.4 TEST SETUP



8.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

8.6 TEST RESULTS

Please refer to the APPENDIX G.

9. MEASUREMENT INSTRUMENTS LIST

AC Power Line Conducted Emissions					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	TWO-LINE V-NETWORK	R&S	ENV216	101340	Jul. 04, 2026
2	Test Cable	emci	EMCRG400-BM-NM-10000	N/A	Mar. 16, 2026
3	EMI Test Receiver	R&S	ESR3	100082	Dec.11, 2026
4	50Ω Terminator	SHX	TF2-1G-A	17051602	Dec. 27, 2026
5	50Ω coaxial switch	Anritsu	MP59B	6201750902	Dec. 26, 2026
6	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Radiated Emissions - 9 kHz to 30 MHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Loop Antenna	EMCI	EMCI LPA600	275	Mar. 11, 2026
2	MXE EMI Receiver	Keysight	N9038A	MY56400088	Dec. 26, 2026
3	Measurement Software	Farad	EZ-EMC Ver.NB-03A1	N/A	N/A
4	Test Cable	emci	RWP50-4.6A-SMS M-1M	20220928 005	Nov.18.2026
5	Test Cable	emci	RWLP50-4.0A-SMS M-7M	20200824 004	Nov.18.2026
6	Test Cable	emci	EMC104-SM-SM-2 500	170618	Nov.18.2026
7	Pre-Amplifier	emci	EMC9135	980401	Dec. 26, 2026

Radiated Emissions - 30 MHz to 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	Schwarzbeck	VULB 9168	1467	Mar. 7, 2026
2	Pre-Amplifier	emci	EMC9135	980401	Dec. 26, 2026
3	MXE EMI Receiver	Keysight	N9038A	MY56400088	Dec. 26, 2026
4	Test Cable	emci	RWP50-4.6A-SMS M-1M	20220928 005	Nov.18.2026
5	Test Cable	emci	RWLP50-4.0A-SMS M-7M	20200824 004	Nov.18.2026
6	Test Cable	emci	EMC104-SM-SM-2 500	170618	Nov.18.2026
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1	N/A	N/A

C

Radiated Emissions - 1GHz-18GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Double-Ridged Waveguide Horn Antenna	ETS-Lindgren	BBHA 9120D	9120D-1817	Aug. 7, 2026
2	Pre-Amplifier	emci	EMC118A45SE	980910	Dec. 26, 2026
3	EXA Spectrum Analyzer	Keysight	N9010A	MY56480559	Dec. 26, 2026
4	Test Cable	emci	RWP50-4.6A-SMS M-1M	20220928 005	Nov.18.2026
5	Test Cable	emci	RWLP50-4.0A-SMS M-7M	20200824 004	Nov.18.2026
6	Test Cable	emci	EMC104-SM-SM-2 500	170618	Nov.18.2026
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1	N/A	N/A
8	Pre-Amplifier	EMC INSTRUMENT	EMC012645B	980221	Dec. 26, 2026

Radiated Emissions – Above 18GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	Schwarzbeck	BBHA9170	9170-651	Mar. 14, 2026
2	Pre-Amplifier	EMC INSTRUMENT	EMC184045B	980265	Dec. 11, 2026
3	Test Cable	emci	EMC-104HS-SM-S M-1000	240625	Aug. 12, 2026
4	Test Cable	emci	EMC104HS-SM-S M-5000	240627	Aug. 12, 2026
5	EXA Spectrum Analyzer	Keysight	N9010A	MY56480559	Dec. 26, 2026
6	Measurement Software	Farad	EZ-EMC Ver.NB-03A1	N/A	N/A

Bandwidth					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	EXA Spectrum Analyzer	Keysight	N9010A	MY56480545	Jul. 04, 2026
2	BTL Conducted Test	BTL	20260106	N/A	N/A

Output Power					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Peak Power Analyzer	Keysight	8990B	MY51000507	Dec. 26, 2026
2	Wideband Power Sensor	Keysight	N1923A	MY58310003	Dec. 26, 2026

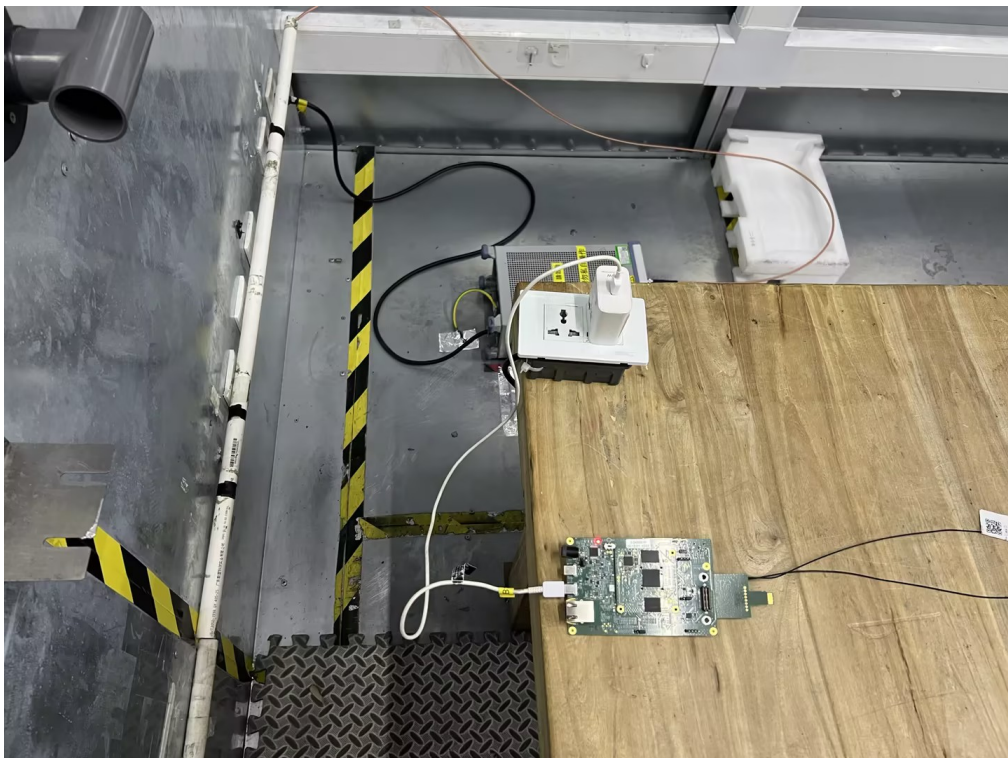
Power Spectral Density					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	EXA Spectrum Analyzer	Keysight	N9010A	MY56480545	Jul. 04, 2026
2	BTL Conducted Test	BTL	20260106	N/A	N/A

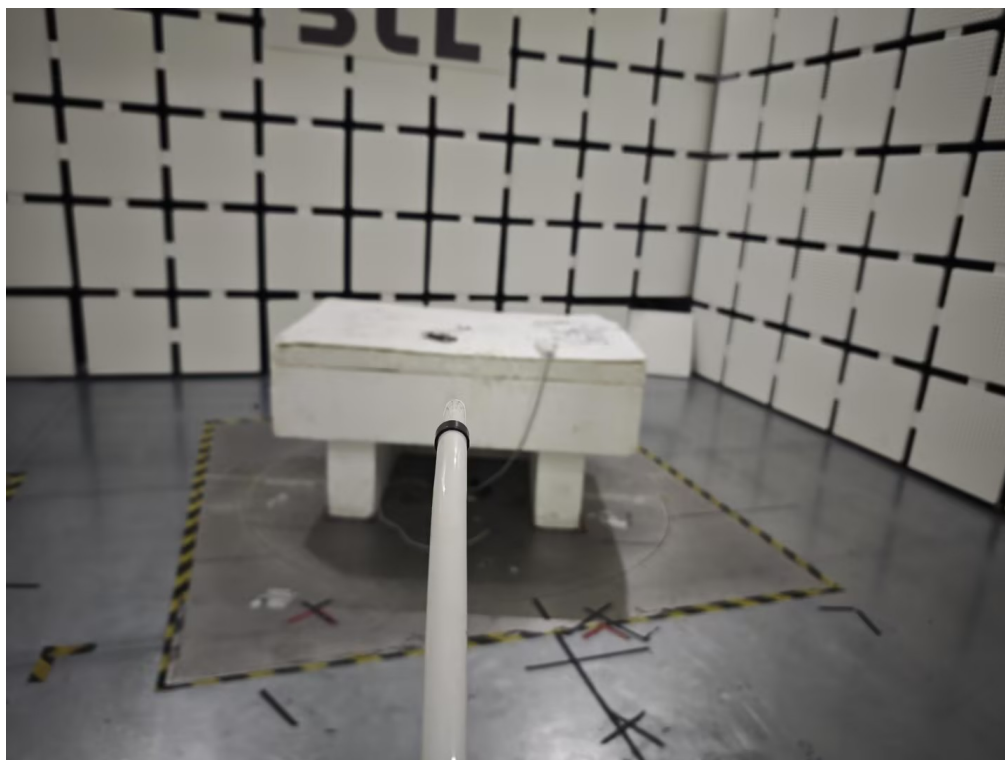
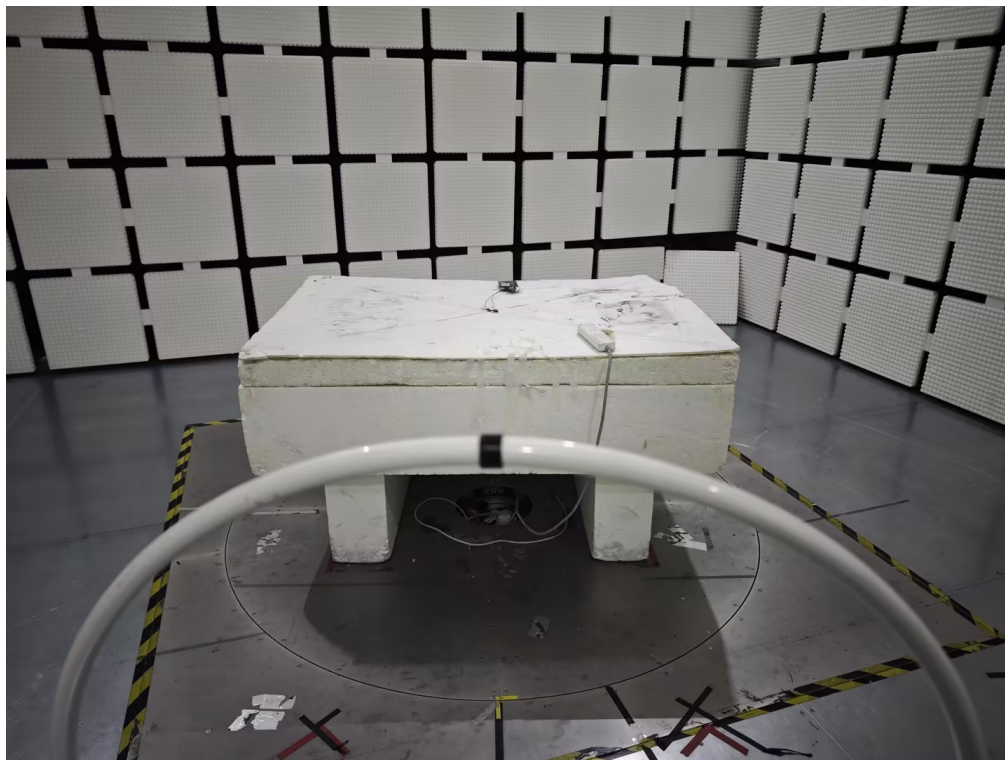
Remark: "N/A" denotes no model name, serial no. or calibration specified.

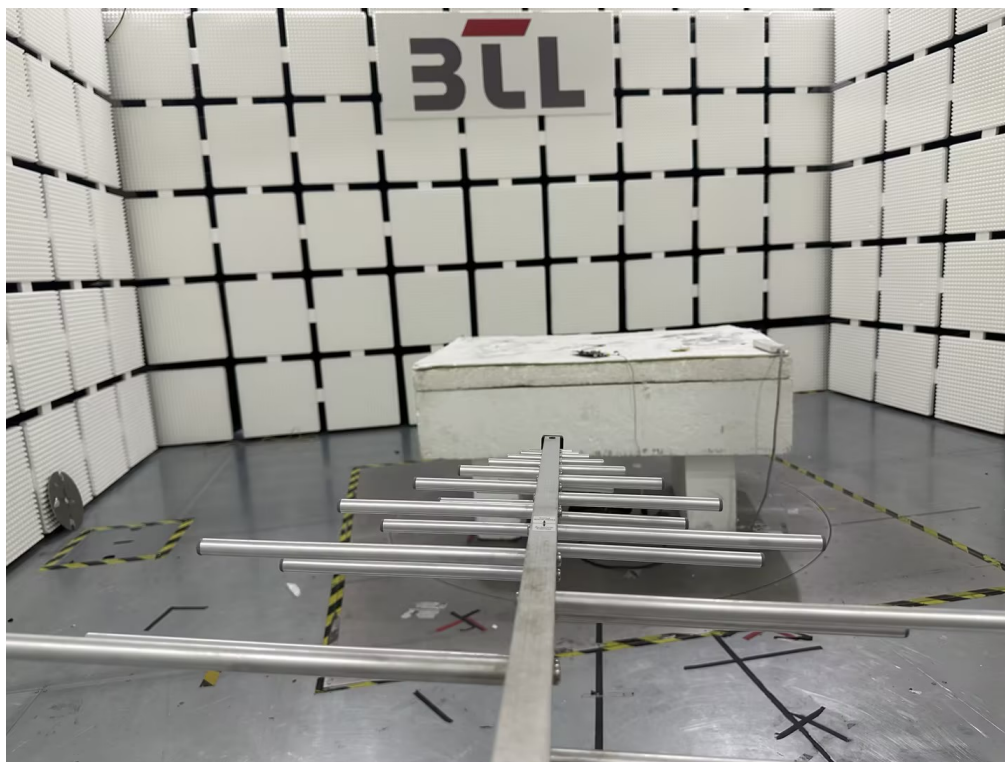
All calibration period of equipment list is one year.

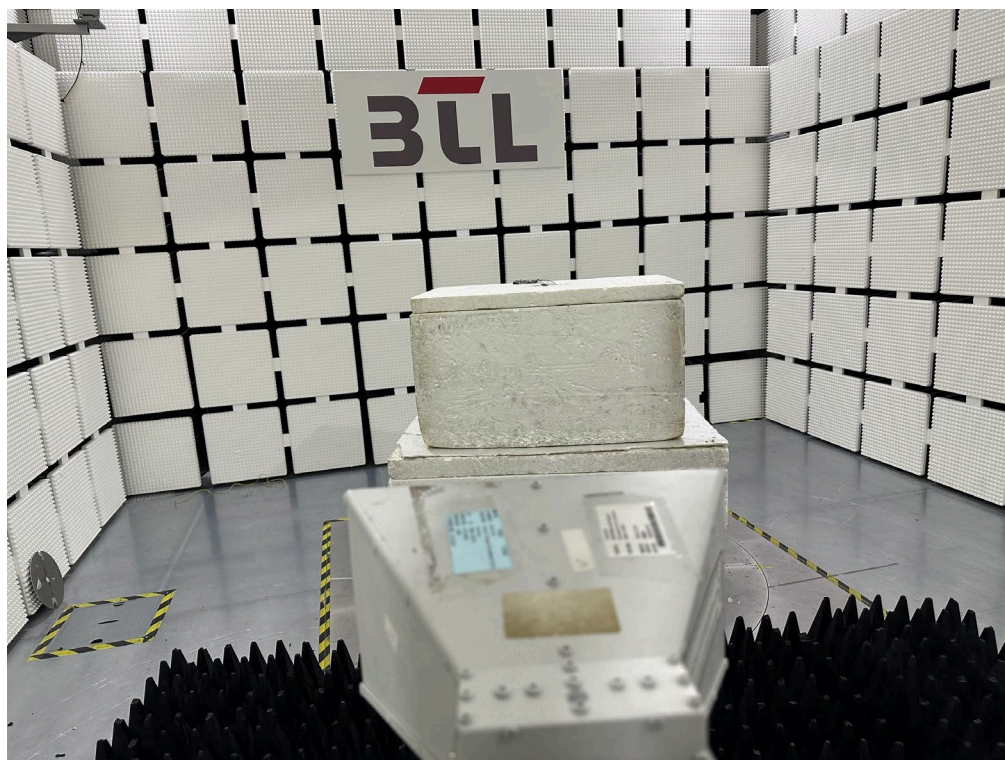
10. EUT TEST PHOTOS

AC Power Line Conducted Emissions Test Photos



Radiated Emissions Test Photos**9 kHz to 30 MHz**

Radiated Emissions Test Photos**30 MHz to 1 GHz**

Radiated Emissions Test Photos**1 GHz to 18 GHz**

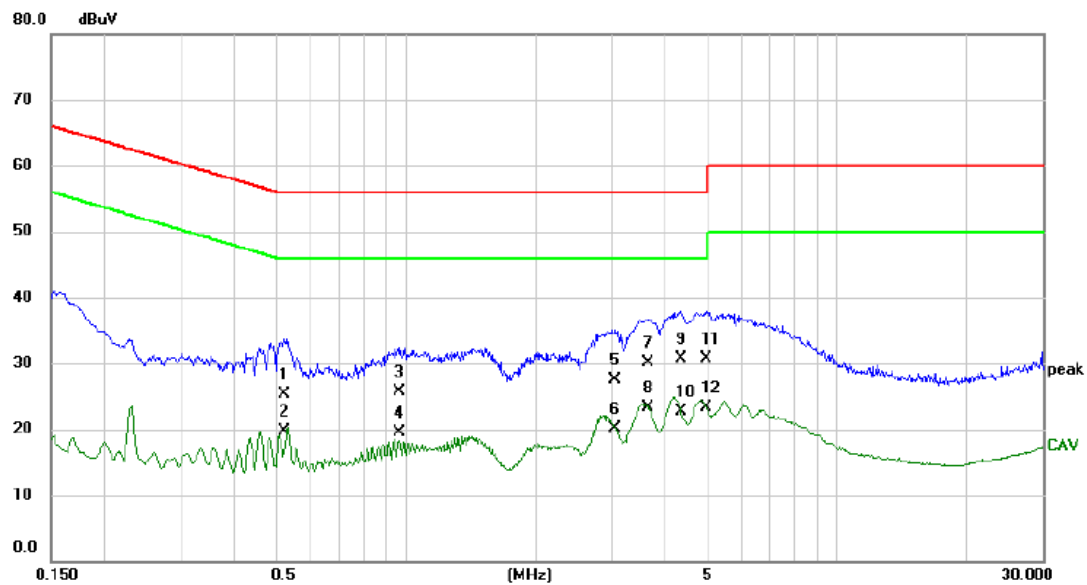
Radiated Emissions Test Photos

18 GHz to 40 GHz



APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

Test Mode	TX A Mode Channel 60 (UNII-2A)	Phase	Line
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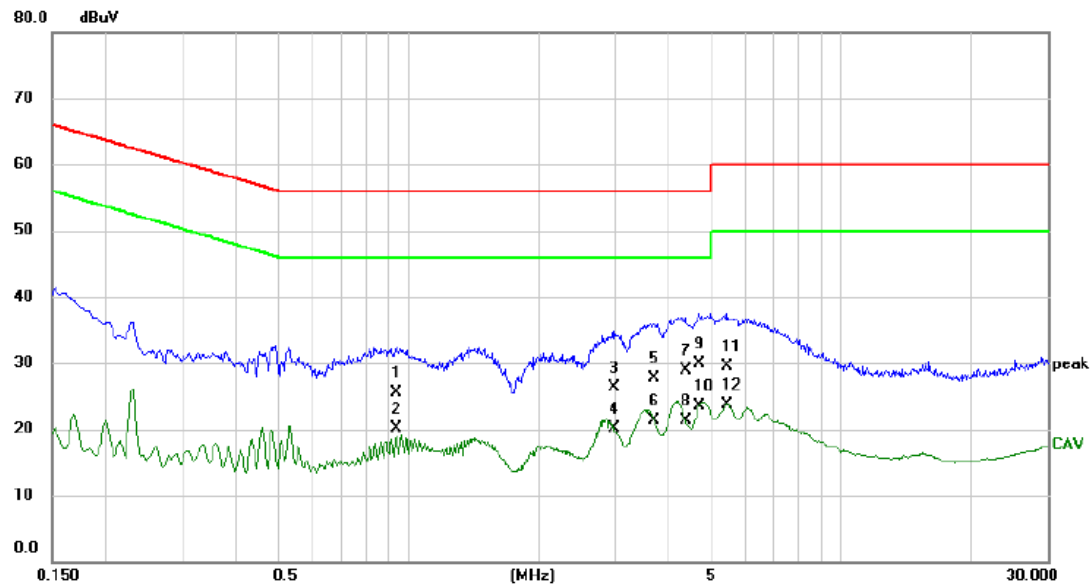
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.5235	6.00	19.32	25.32	56.00	-30.68	QP	
2		0.5235	0.30	19.32	19.62	46.00	-26.38	AVG	
3		0.9645	6.40	19.40	25.80	56.00	-30.20	QP	
4		0.9645	0.10	19.40	19.50	46.00	-26.50	AVG	
5		3.0615	8.00	19.54	27.54	56.00	-28.46	QP	
6		3.0615	0.60	19.54	20.14	46.00	-25.86	AVG	
7		3.6443	10.50	19.64	30.14	56.00	-25.86	QP	
8		3.6443	3.60	19.64	23.24	46.00	-22.76	AVG	
9		4.3305	11.00	19.76	30.76	56.00	-25.24	QP	
10		4.3305	3.00	19.76	22.76	46.00	-23.24	AVG	
11		4.9560	10.90	19.88	30.78	56.00	-25.22	QP	
12	*	4.9560	3.50	19.88	23.38	46.00	-22.62	AVG	

REMARKS:

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

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

Test Mode	TX A Mode Channel 60 (UNII-2A)	Phase	Neutral
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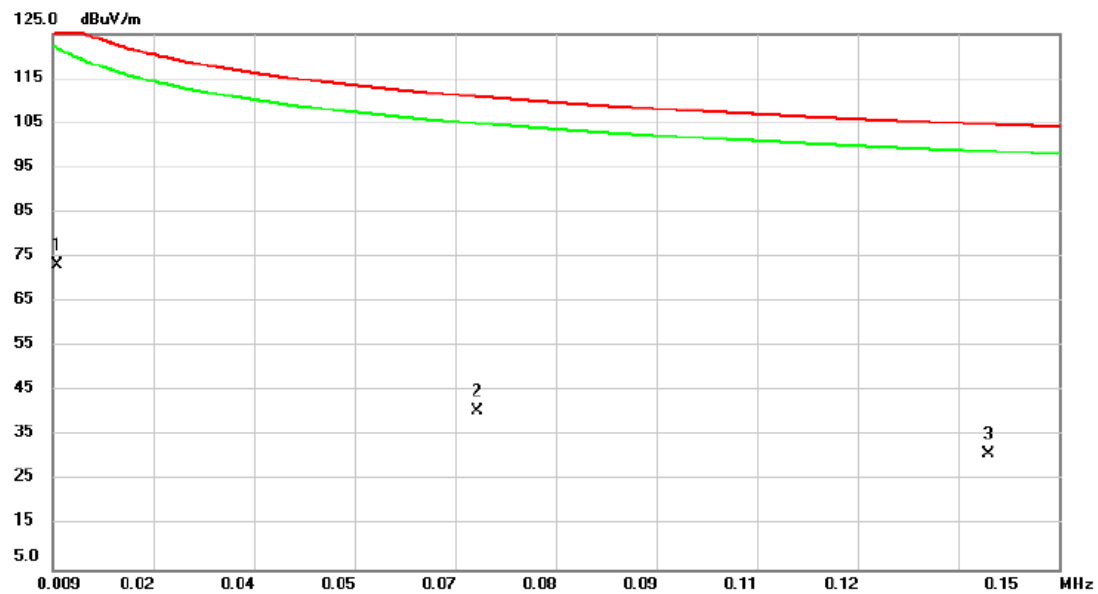
No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.9397	6.00	19.46	25.46	56.00	-30.54	QP	
2	0.9397	0.70	19.46	20.16	46.00	-25.84	AVG	
3	2.9850	6.60	19.64	26.24	56.00	-29.76	QP	
4	2.9850	0.40	19.64	20.04	46.00	-25.96	AVG	
5	3.6938	8.00	19.74	27.74	56.00	-28.26	QP	
6	3.6938	1.50	19.74	21.24	46.00	-24.76	AVG	
7	4.3620	9.00	19.87	28.87	56.00	-27.13	QP	
8	4.3620	1.40	19.87	21.27	46.00	-24.73	AVG	
9	4.7018	10.00	19.94	29.94	56.00	-26.06	QP	
10 *	4.7018	3.50	19.94	23.44	46.00	-22.56	AVG	
11	5.4600	9.50	20.05	29.55	60.00	-30.45	QP	
12	5.4600	3.70	20.05	23.75	50.00	-26.25	AVG	

REMARKS:

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

APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ

Test Mode	TX A Mode Channel 60 (UNII-2A)	Polarization	Vertical
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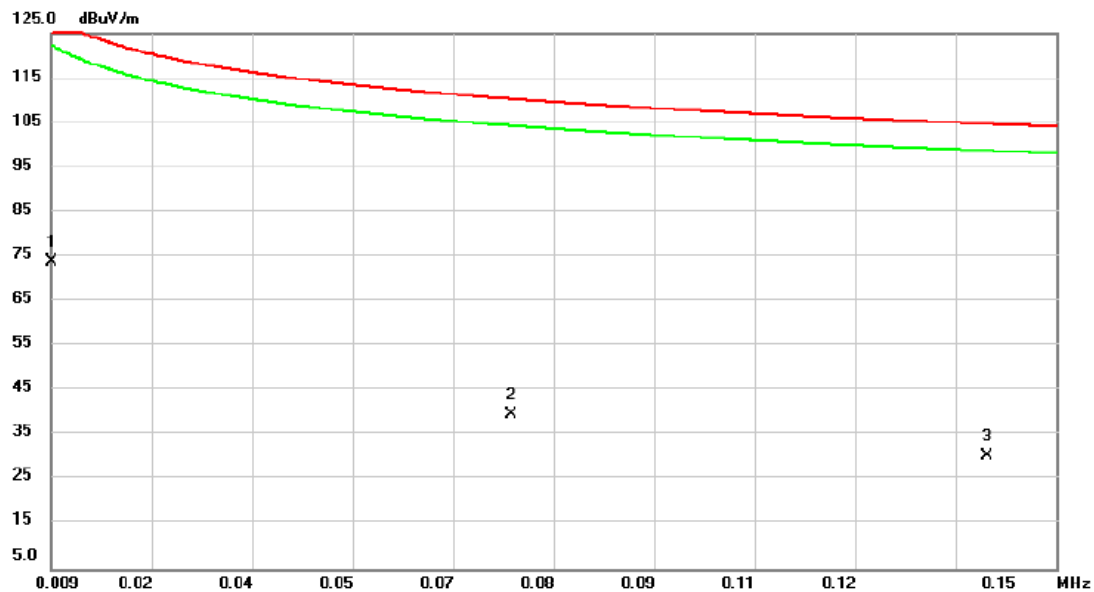
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	0.0096	3.98	69.13	73.11	127.96	-54.85	AVG	
2		0.0685	4.35	36.30	40.65	110.89	-70.24	AVG	
3		0.1401	6.32	24.73	31.05	104.68	-73.63	AVG	

REMARKS:

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

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

Test Mode	TX A Mode Channel 60 (UNII-2A)	Polarization	Horizontal
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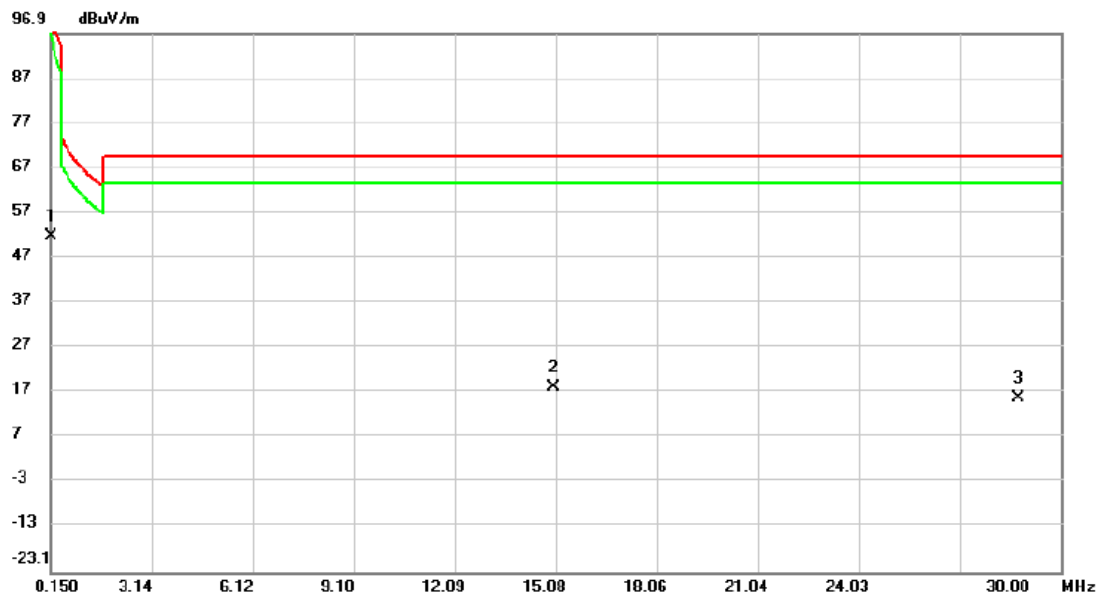
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV		dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0090	3.85	70.07	73.92	128.52	-54.60	AVG	
2		0.0735	4.59	35.01	39.60	110.28	-70.68	AVG	
3		0.1403	5.59	24.71	30.30	104.67	-74.37	AVG	

REMARKS:

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

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

Test Mode	TX A Mode Channel 60 (UNII-2A)	Polarization	Vertical
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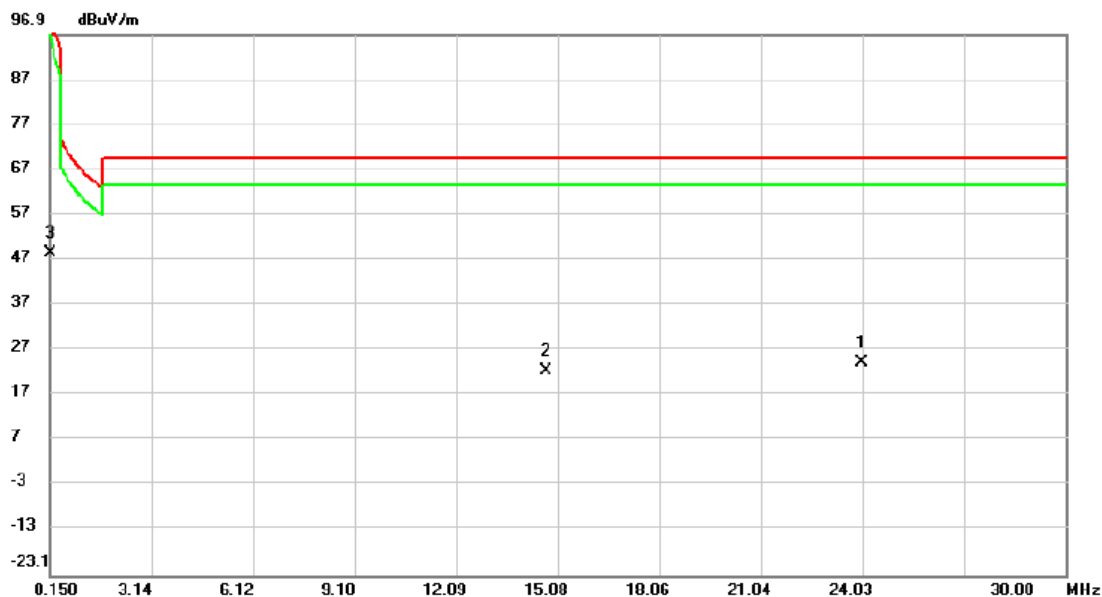


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV		dBuV/m	dBuV/m	dB	Detector Comment
1		0.1500	27.83	23.80	51.63	104.09	-52.46	AVG
2	*	15.0003	20.99	-2.74	18.25	69.54	-51.29	QP
3		28.7612	19.63	-3.85	15.78	69.54	-53.76	QP

REMARKS:

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

Test Mode	TX A Mode Channel 60 (UNII-2A)	Polarization	Horizontal
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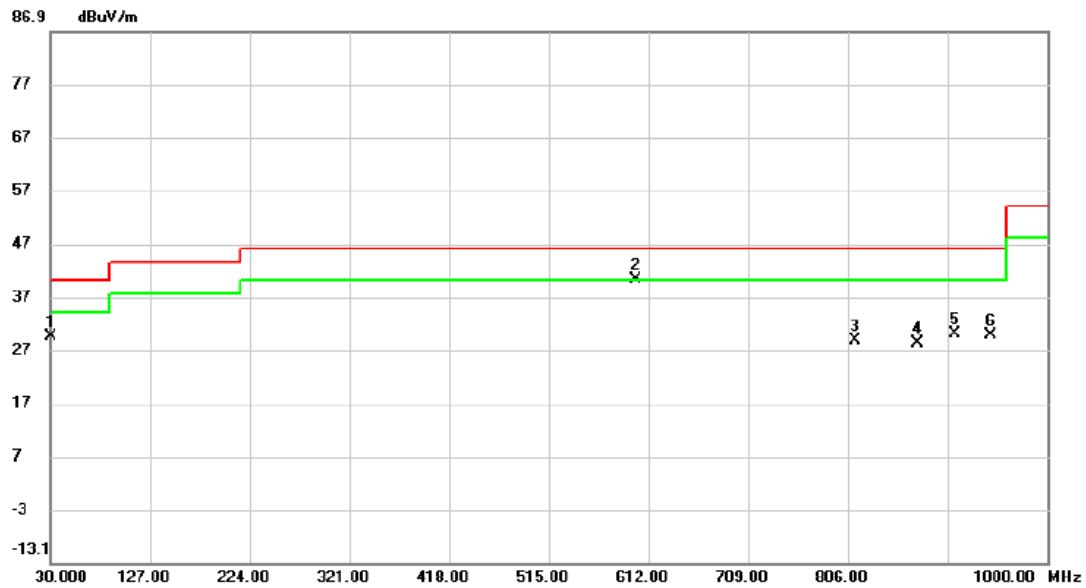
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	24.0002	29.59	-5.43	24.16	69.54	-45.38	AVG	
2		14.7467	25.04	-2.58	22.46	69.54	-47.08	QP	
3		0.1500	24.78	23.80	48.58	104.09	-55.51	QP	

REMARKS:

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

APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ

Test Mode	TX A Mode Channel 60 (UNII-2A)	Polarization	Vertical
Test Date	2026/2/27		

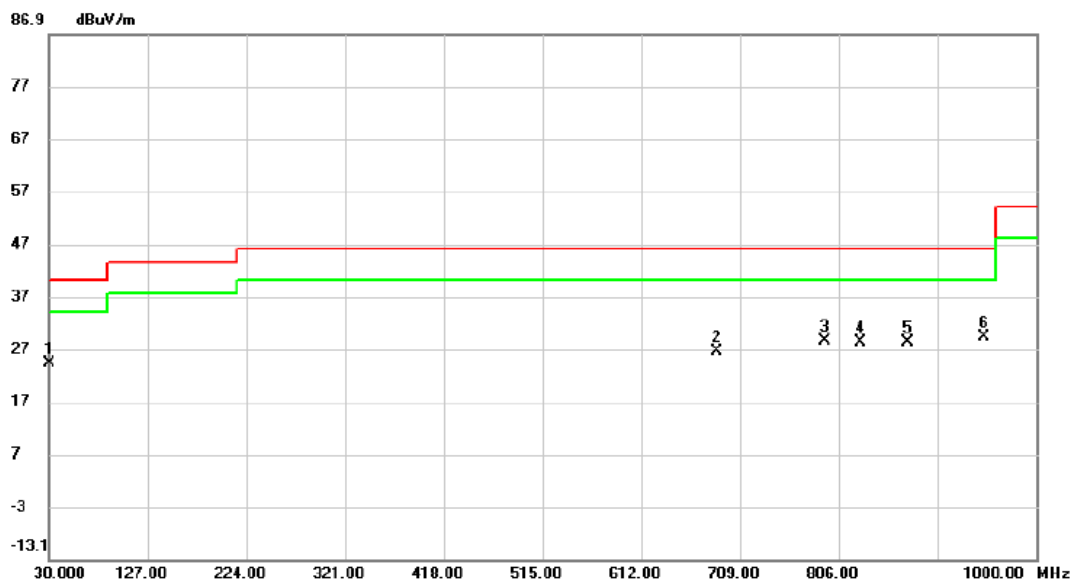


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		30.0000	48.79	-19.15	29.64	40.00	-10.36	peak	
2	*	599.8750	48.52	-8.34	40.18	46.00	-5.82	peak	
3		813.2750	33.88	-5.20	28.68	46.00	-17.32	peak	
4		873.4150	33.55	-5.23	28.32	46.00	-17.68	peak	
5		910.2750	34.79	-4.72	30.07	46.00	-15.93	peak	
6		945.1950	33.88	-4.20	29.68	46.00	-16.32	peak	

REMARKS:

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

Test Mode	TX A Mode Channel 60 (UNII-2A)	Polarization	Horizontal
Test Date	2026/2/27		



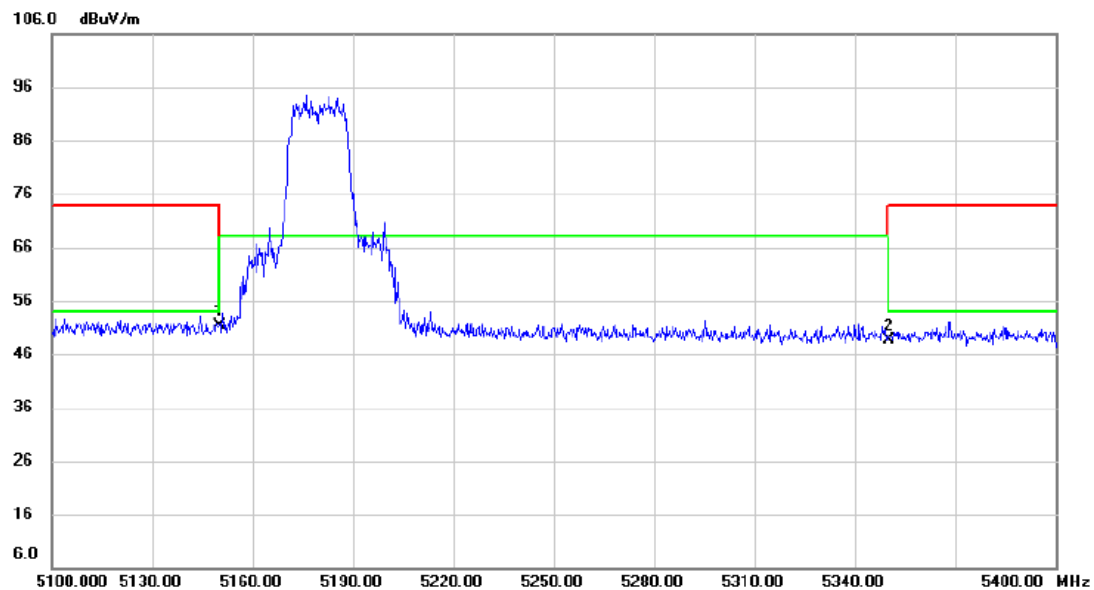
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV		dBuV/m	dBuV/m	dB		
1	*	30.0000	43.38	-19.15	24.23	40.00	-15.77	peak	
2		686.2050	33.64	-7.13	26.51	46.00	-19.49	peak	
3		791.9350	33.66	-5.21	28.45	46.00	-17.55	peak	
4		827.3400	33.68	-5.33	28.35	46.00	-17.65	peak	
5		873.4150	33.45	-5.23	28.22	46.00	-17.78	peak	
6		948.5900	33.33	-4.15	29.18	46.00	-16.82	peak	

REMARKS:

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

APPENDIX D - RADIATED EMISSION - ABOVE 1000 MHZ

Test Mode	UNII-1_TX A Mode 5180 MHz	Polarization	Vertical
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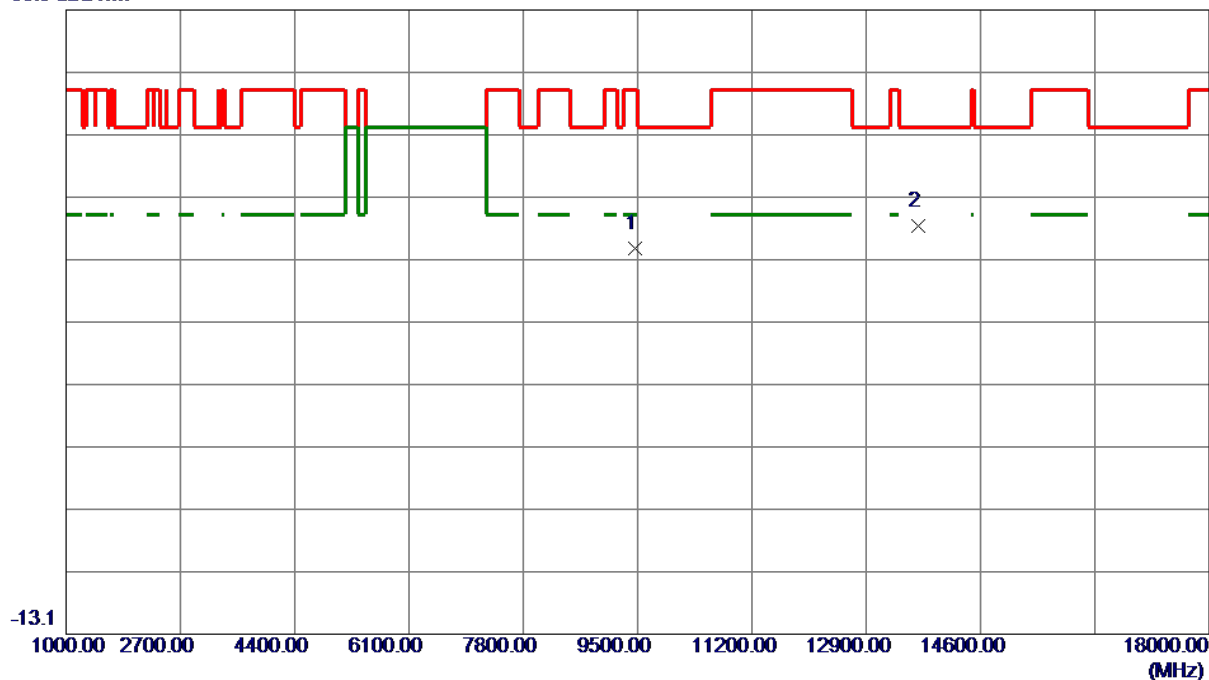
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV		dBuV/m	dBuV/m	dB		
1	*	5150.000	42.55	8.76	51.31	74.00	-22.69	peak	
2		5350.000	39.81	8.89	48.70	74.00	-25.30	peak	

REMARKS:

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

Test Mode	UNII-1_TX A Mode 5180 MHz	Polarization	Vertical
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86.9 dBuV/m

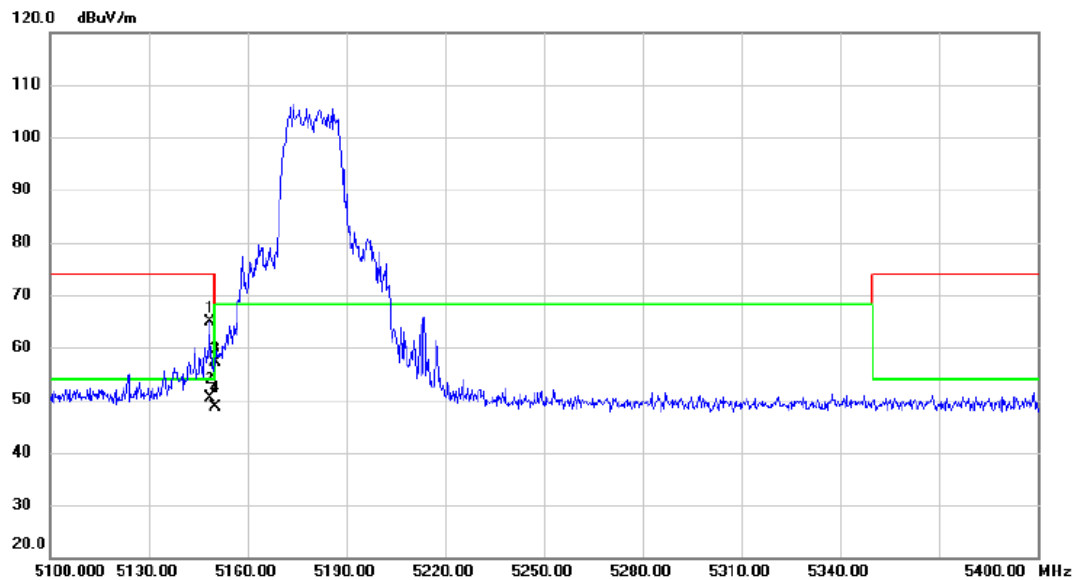


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	9465.1500	39.79	9.00	48.79	74.00	-25.21	Peak	
2 *	13672.6500	42.61	9.74	52.35	68.20	-15.85	Peak	

REMARKS:

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

Test Mode	UNII-1_TX A Mode 5180 MHz	Polarization	Horizontal
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No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5148.435	56.05	8.77	64.82	74.00	-9.18	peak	
2	*	5148.435	41.62	8.77	50.39	54.00	-3.61	AVG	
3		5150.000	48.47	8.76	57.23	74.00	-16.77	peak	
4		5150.000	39.96	8.76	48.72	54.00	-5.28	AVG	

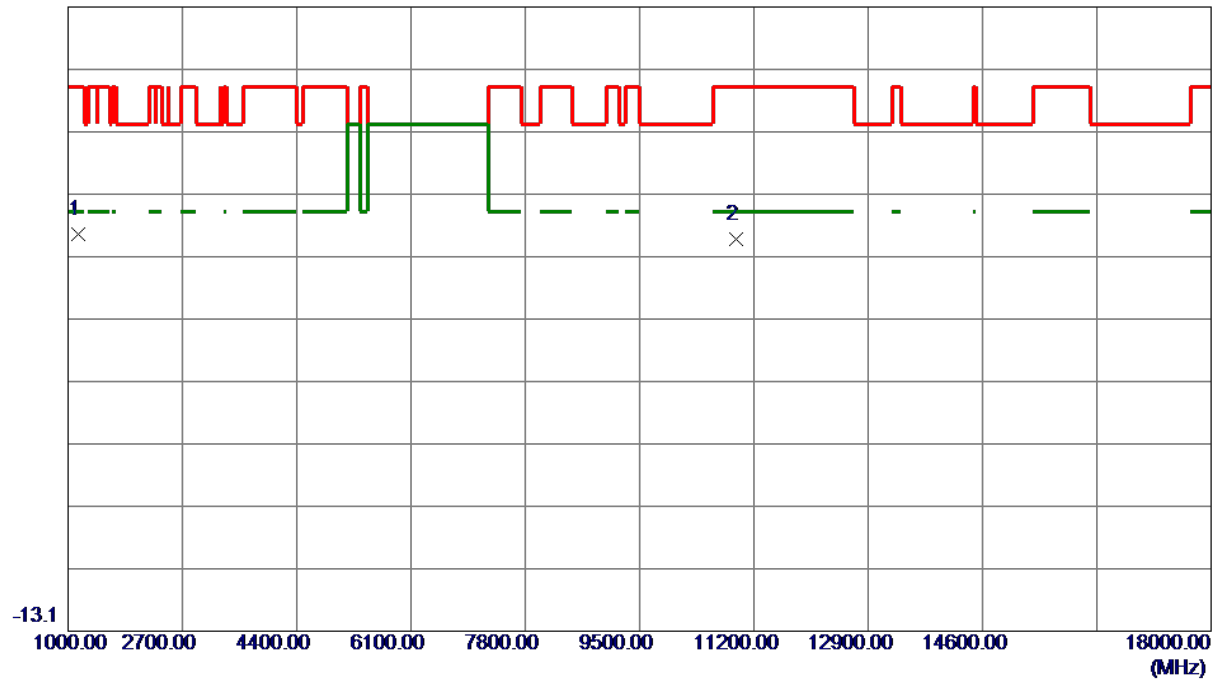
REMARKS:

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

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

Test Mode	UNII-1_TX A Mode 5180 MHz	Polarization	Horizontal
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86.9 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	1150.4500	57.30	-6.77	50.53	74.00	-23.47	Peak	
2	10936.5000	40.25	9.54	49.79	74.00	-24.21	Peak	

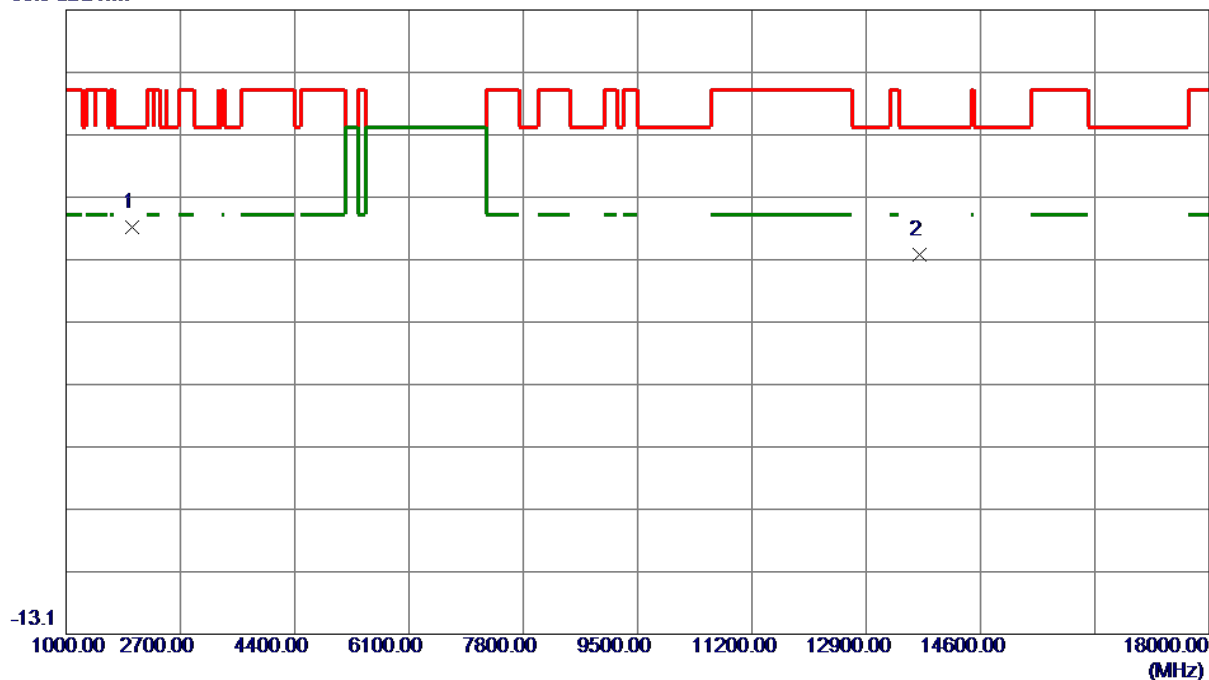
REMARKS:

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

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

Test Mode	UNII-1_TX A Mode 5200 MHz	Polarization	Vertical
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86.9 dBuV/m



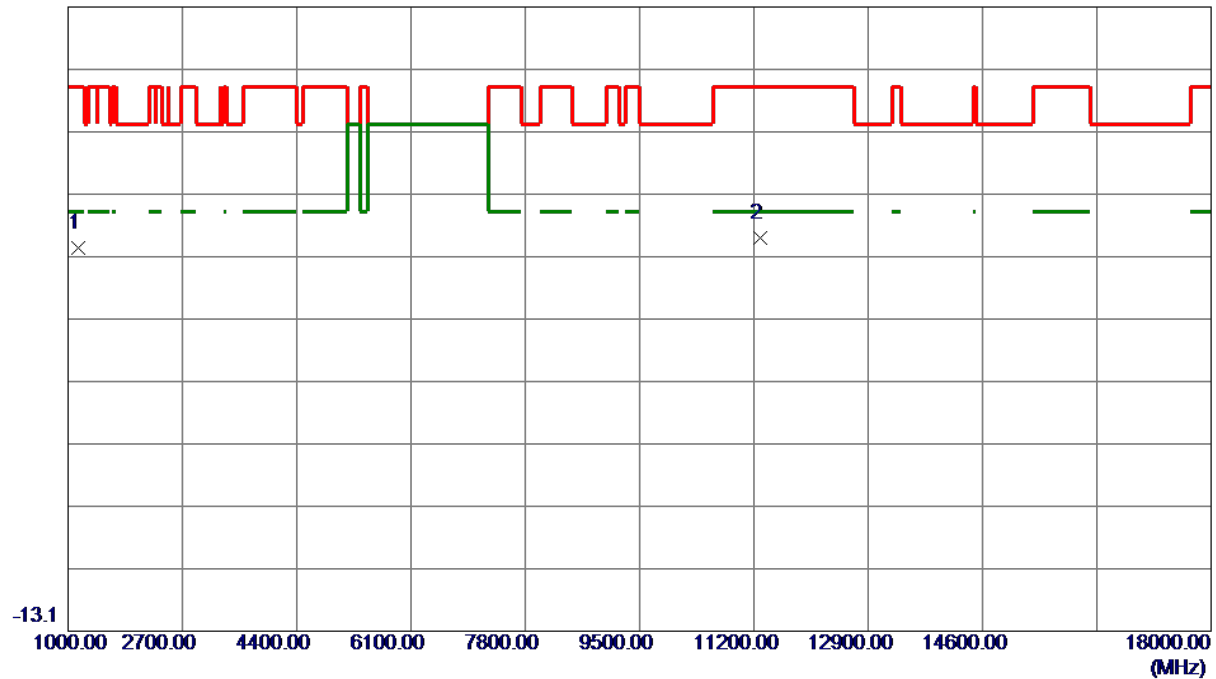
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	1991.1000	57.46	-5.32	52.14	68.20	-16.06	Peak	
2	13689.6500	38.08	9.70	47.78	68.20	-20.42	Peak	

REMARKS:

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

Test Mode	UNII-1_TX A Mode 5200 MHz	Polarization	Horizontal
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86.9 dBuV/m



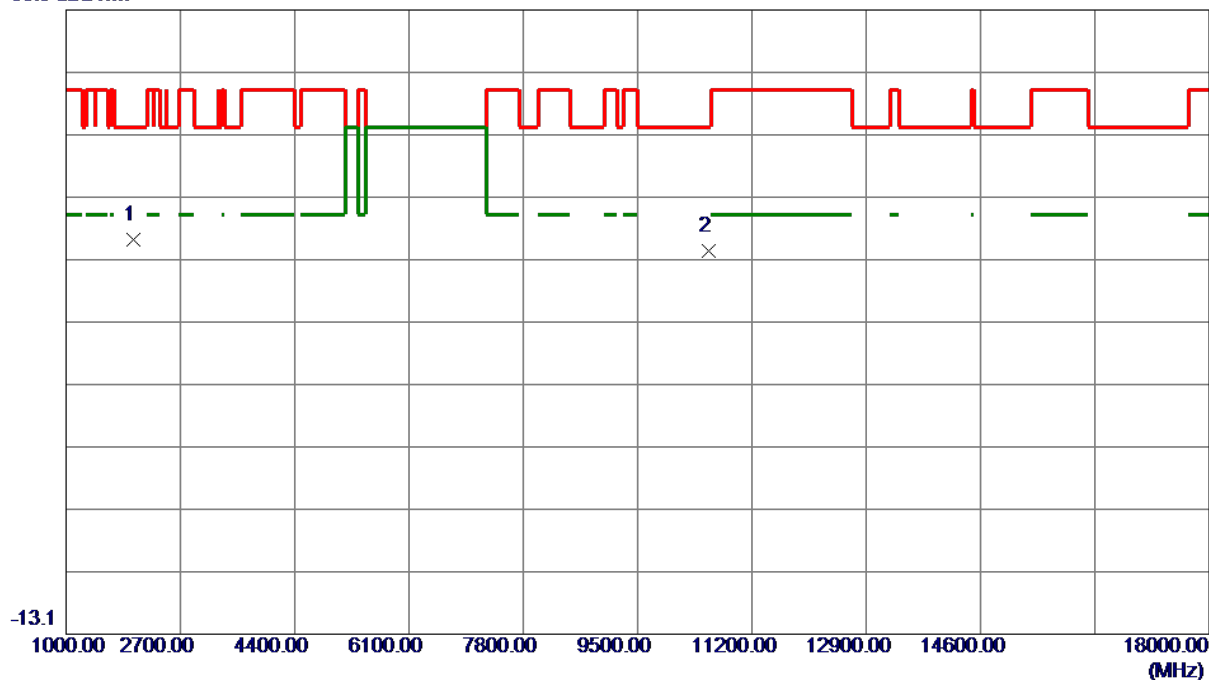
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	1150.4500	55.71	-7.35	48.36	74.00	-25.64	Peak	
2 *	11302.8500	39.81	10.04	49.85	74.00	-24.15	Peak	

REMARKS:

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

Test Mode	UNII-1_TX A Mode 5240 MHz	Polarization	Vertical
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86.9 dBuV/m



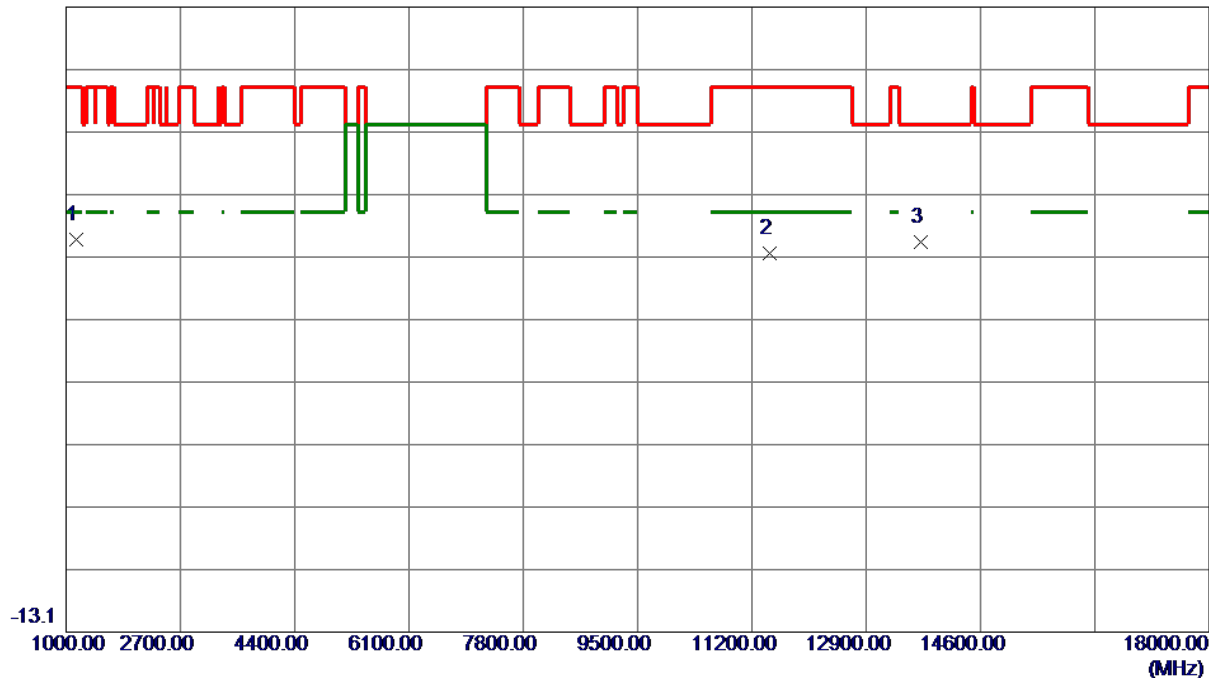
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	1997.9000	55.34	-5.31	50.03	68.20	-18.17	Peak	
2	10552.3000	38.68	9.71	48.39	68.20	-19.81	Peak	

REMARKS:

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

Test Mode	UNII-1_TX A Mode 5240 MHz	Polarization	Horizontal
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86.9 dBuV/m

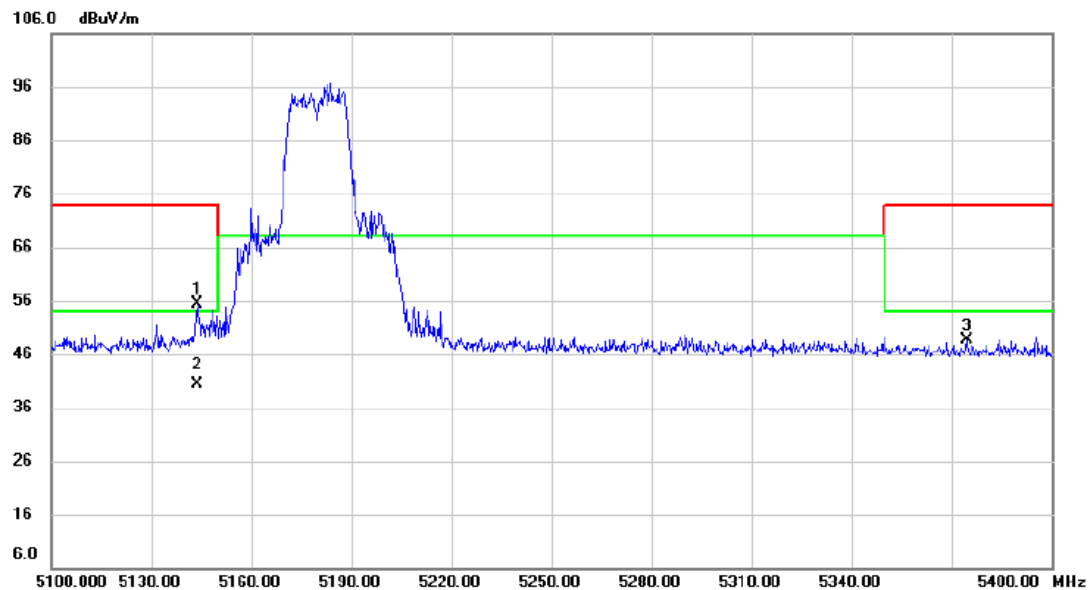


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	1150.4500	57.00	-7.35	49.65	74.00	-24.35	Peak	
2	11466.0500	37.40	10.09	47.49	74.00	-26.51	Peak	
3 *	13719.4000	39.53	9.69	49.22	68.20	-18.98	Peak	

REMARKS:

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

Test Mode	UNII-1_TX AC(VHT20) Mode 5180 MHz	Polarization	Vertical
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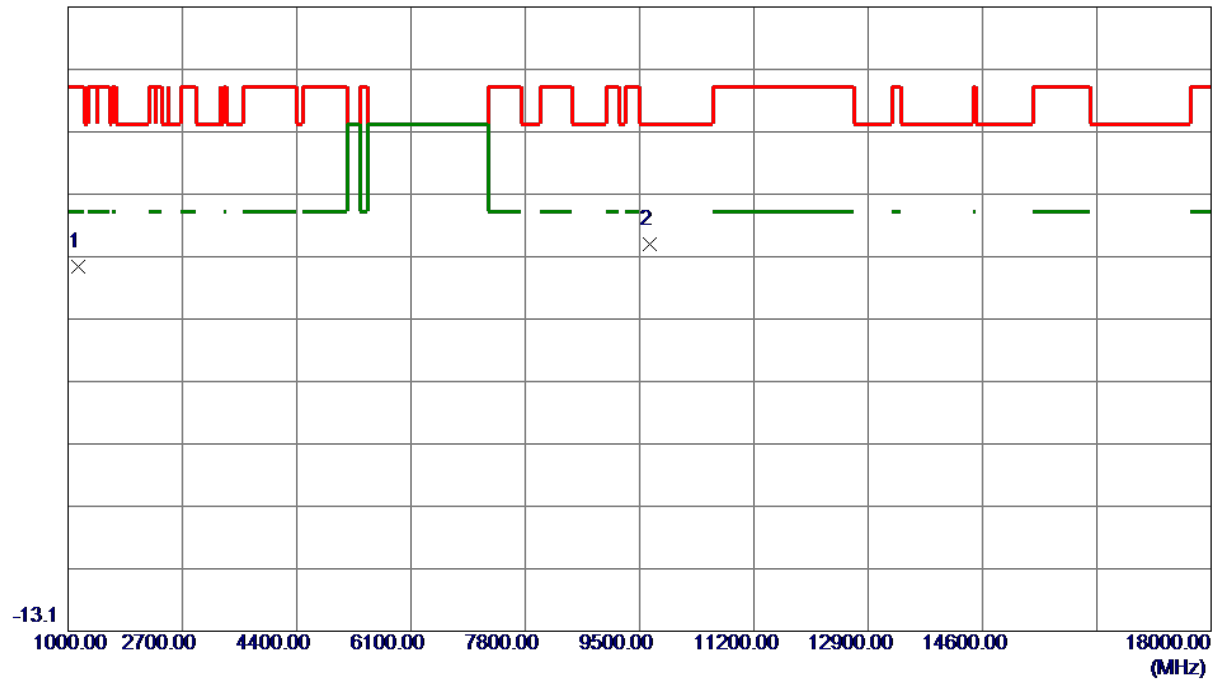
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5143.755	56.60	-1.32	55.28	74.00	-18.72	peak	
2	*	5143.755	41.73	-1.32	40.41	54.00	-13.59	AVG	
3		5374.410	49.93	-1.31	48.62	74.00	-25.38	peak	

REMARKS:

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

Test Mode	UNII-1_TX AC(VHT20) Mode 5180 MHz	Polarization	Vertical
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86.9 dBuV/m



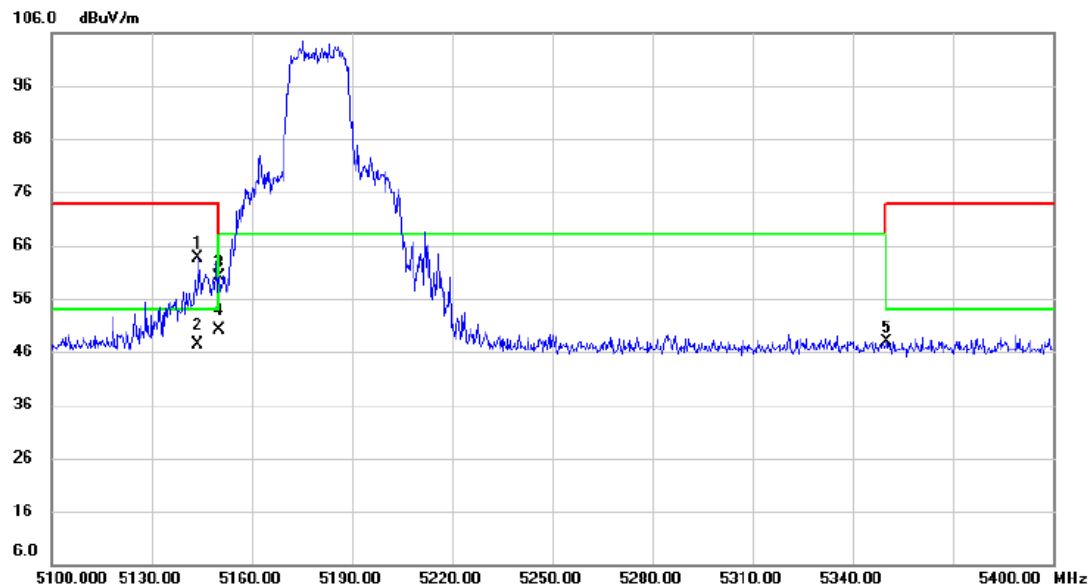
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	1150.4500	52.16	-6.77	45.39	74.00	-28.61	Peak	
2 *	9652.1500	39.95	8.94	48.89	68.20	-19.31	Peak	

REMARKS:

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

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

Test Mode	UNII-1_TX AC(VHT20) Mode 5180 MHz	Polarization	Horizontal
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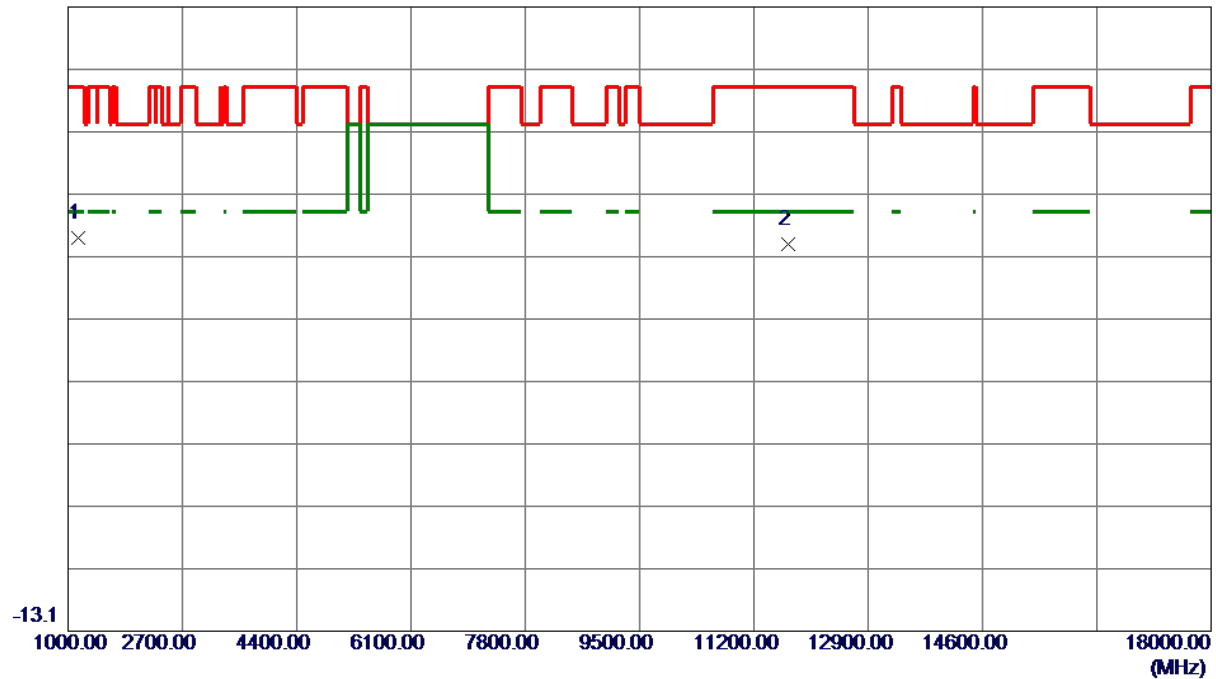
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5143.935	64.85	-1.32	63.53	74.00	-10.47	peak	
2		5143.935	48.62	-1.32	47.30	54.00	-6.70	AVG	
3		5150.000	61.56	-1.33	60.23	74.00	-13.77	peak	
4	*	5150.000	51.55	-1.33	50.22	54.00	-3.78	AVG	
5		5350.000	49.15	-1.31	47.84	74.00	-26.16	peak	

REMARKS:

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

Test Mode	UNII-1_TX AC(VHT20) Mode 5180 MHz	Polarization	Horizontal
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86.9 dBuV/m



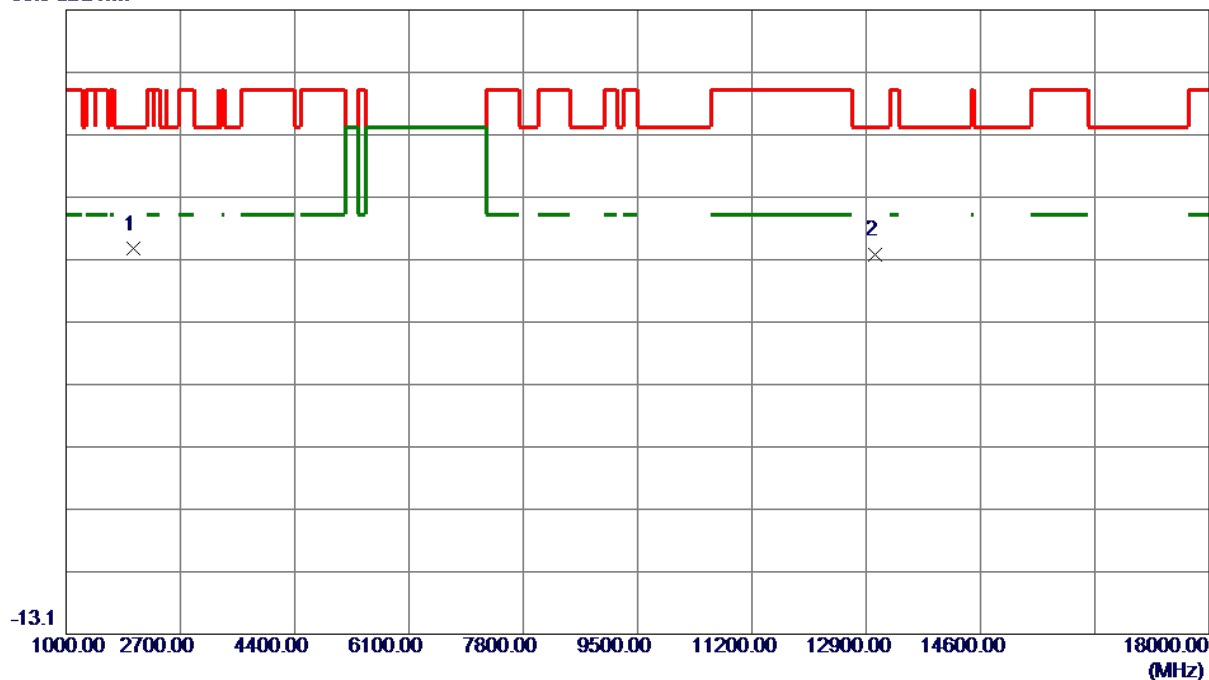
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	1150.4500	56.66	-6.77	49.89	74.00	-24.11	Peak	
2	11715.1000	39.34	9.58	48.92	74.00	-25.08	Peak	

REMARKS:

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

Test Mode	UNII-1_TX AC(VHT20) Mode 5200 MHz	Polarization	Vertical
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86.9 dBuV/m



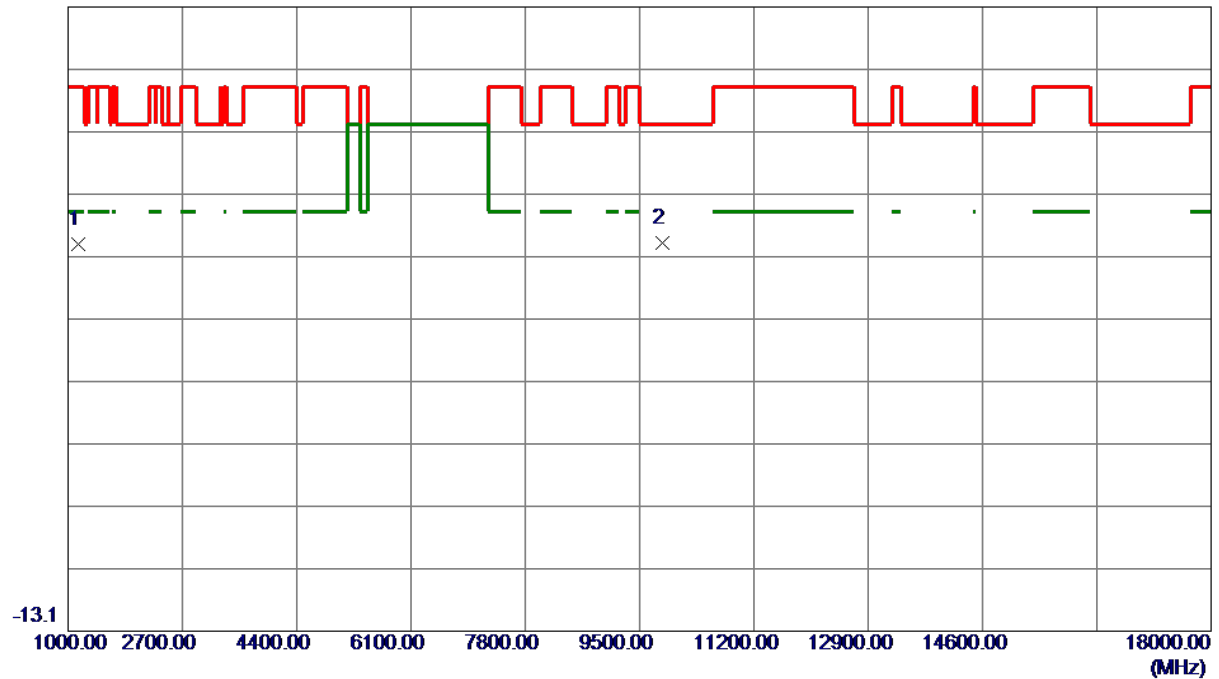
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	1991.9500	53.92	-5.32	48.60	68.20	-19.60	Peak	
2	13027.5000	38.39	9.38	47.77	68.20	-20.43	Peak	

REMARKS:

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

Test Mode	UNII-1_TX AC(VHT20) Mode 5200 MHz	Polarization	Horizontal
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86.9 dBuV/m



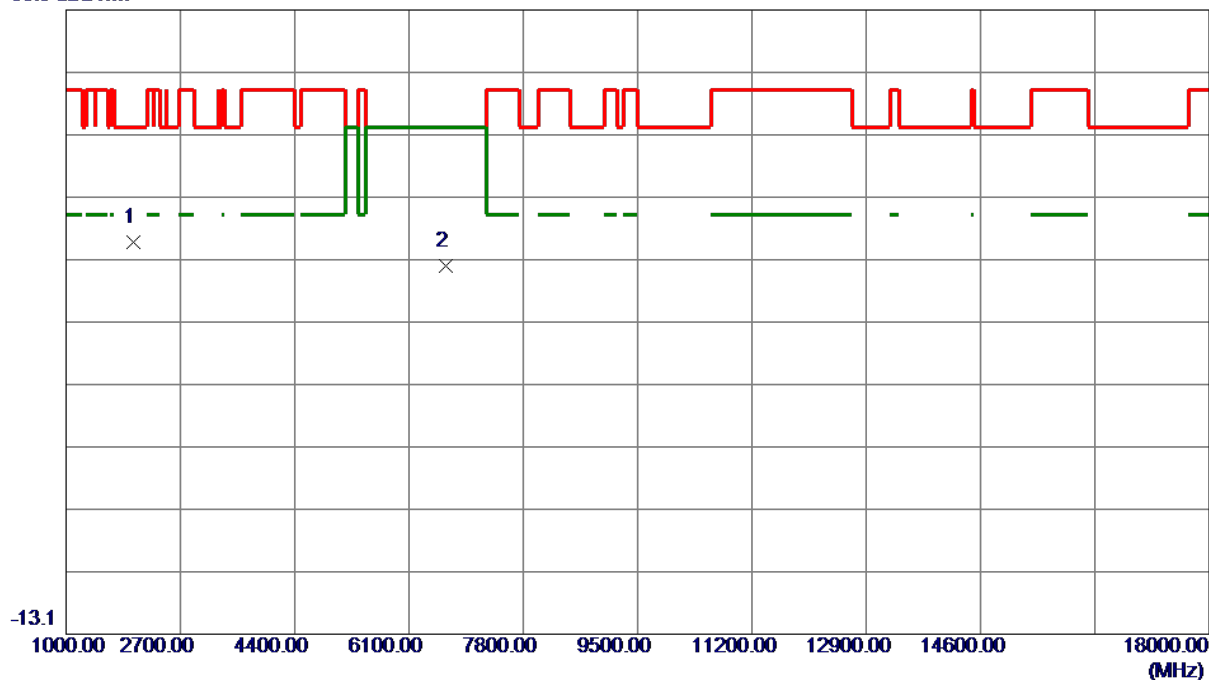
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	1150.4500	56.19	-7.35	48.84	74.00	-25.16	Peak	
2 *	9842.5500	40.03	9.01	49.04	68.20	-19.16	Peak	

REMARKS:

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

Test Mode	UNII-1_TX AC(VHT20) Mode 5240 MHz	Polarization	Vertical
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86.9 dBuV/m



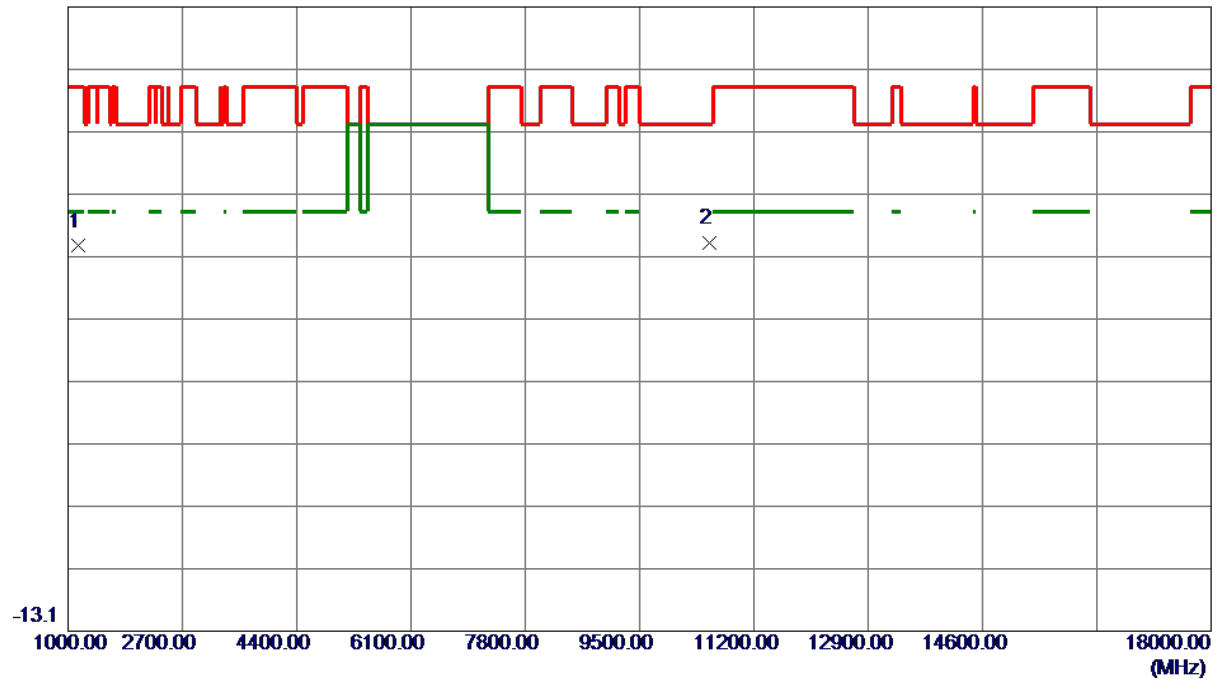
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	1999.6000	55.00	-5.31	49.69	68.20	-18.51	Peak	
2	6649.1000	41.45	4.53	45.98	68.20	-22.22	Peak	

REMARKS:

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

Test Mode	UNII-1_TX AC(VHT20) Mode 5240 MHz	Polarization	Horizontal
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86.9 dBuV/m



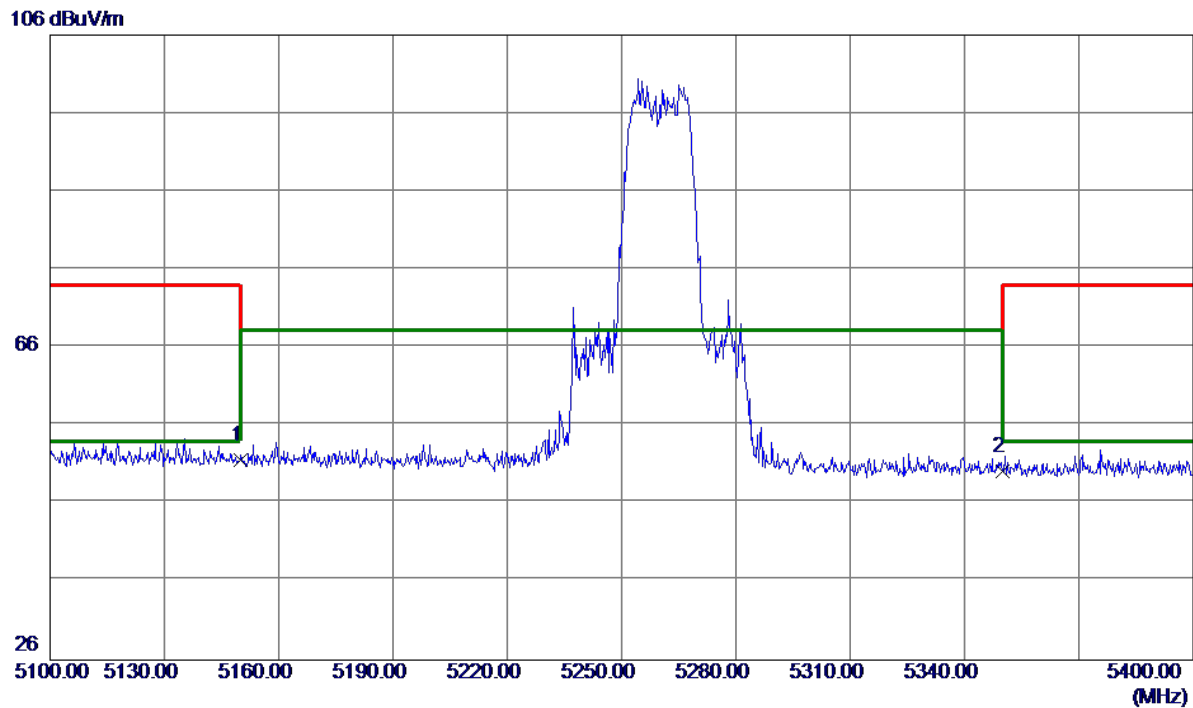
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	1150.4500	55.95	-7.35	48.60	74.00	-25.40	Peak	
2 *	10537.8500	39.40	9.70	49.10	68.20	-19.10	Peak	

REMARKS:

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

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

Test Mode	UNII-2A_TX A Mode 5260 MHz	Polarization	Vertical
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No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5150.0000	40.02	11.56	51.58	74.00	-22.42	Peak	
2	5350.0000	38.50	11.68	50.18	74.00	-23.82	Peak	

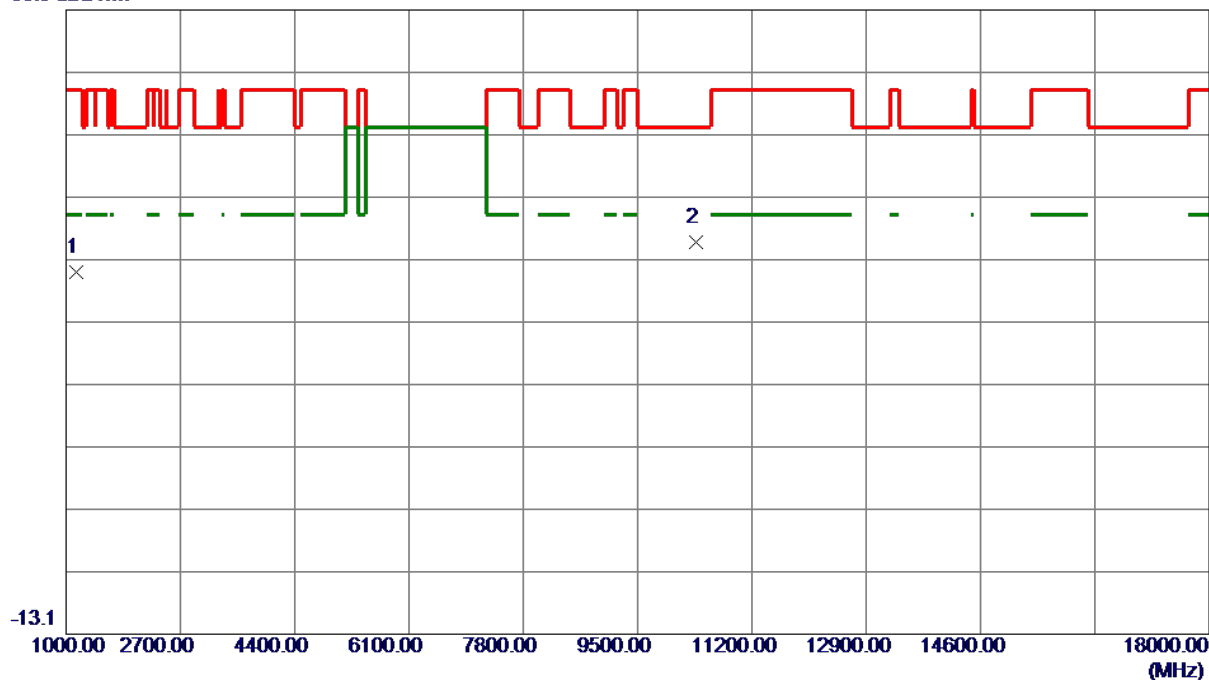
REMARKS:

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

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

Test Mode	UNII-2A_TX A Mode 5260 MHz	Polarization	Vertical
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86.9 dBuV/m



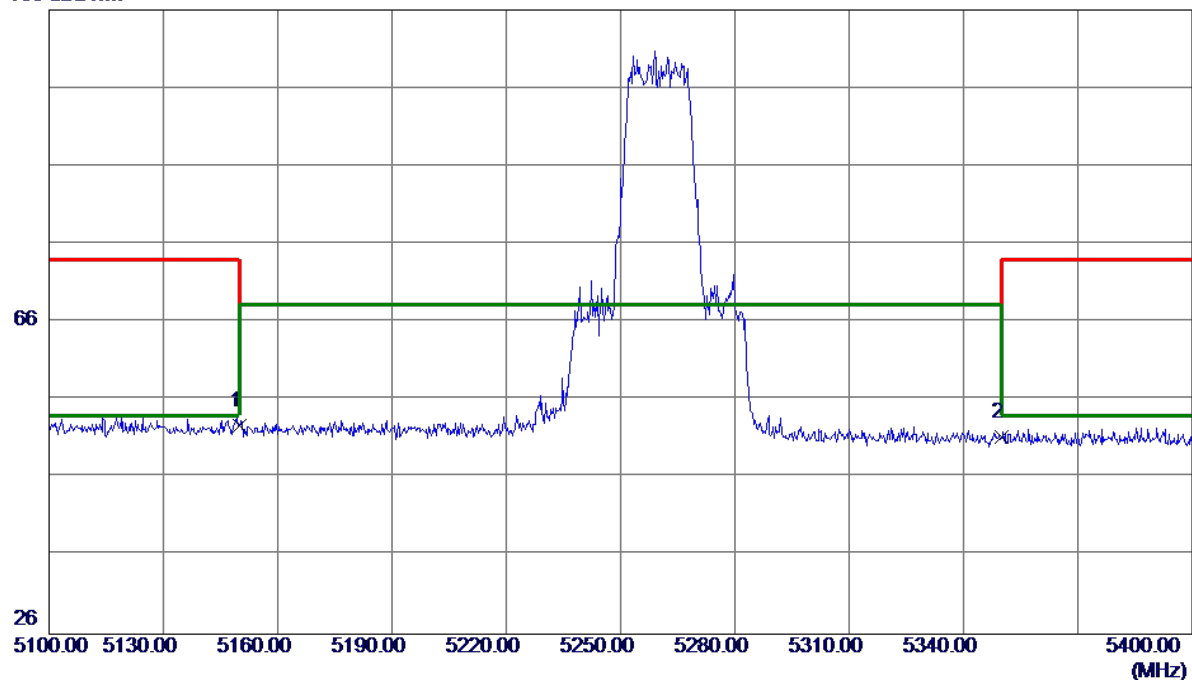
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	1150.4500	51.62	-6.77	44.85	74.00	-29.15	Peak	
2 *	10361.0500	40.49	9.18	49.67	68.20	-18.53	Peak	

REMARKS:

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

Test Mode	UNII-2A_TX A Mode 5260 MHz	Polarization	Horizontal
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106 dBuV/m



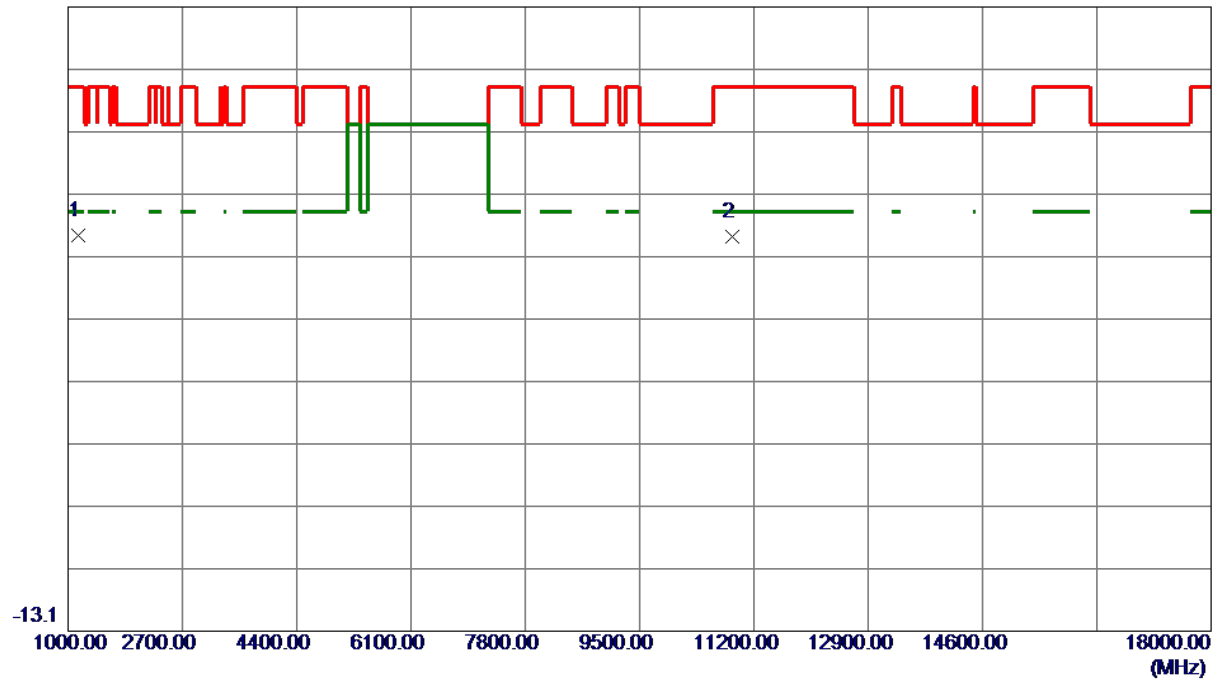
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5150.0000	41.19	11.56	52.75	74.00	-21.25	Peak	
2	5350.0000	39.66	11.68	51.34	74.00	-22.66	Peak	

REMARKS:

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

Test Mode	UNII-2A_TX A Mode 5260 MHz	Polarization	Horizontal
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86.9 dBuV/m



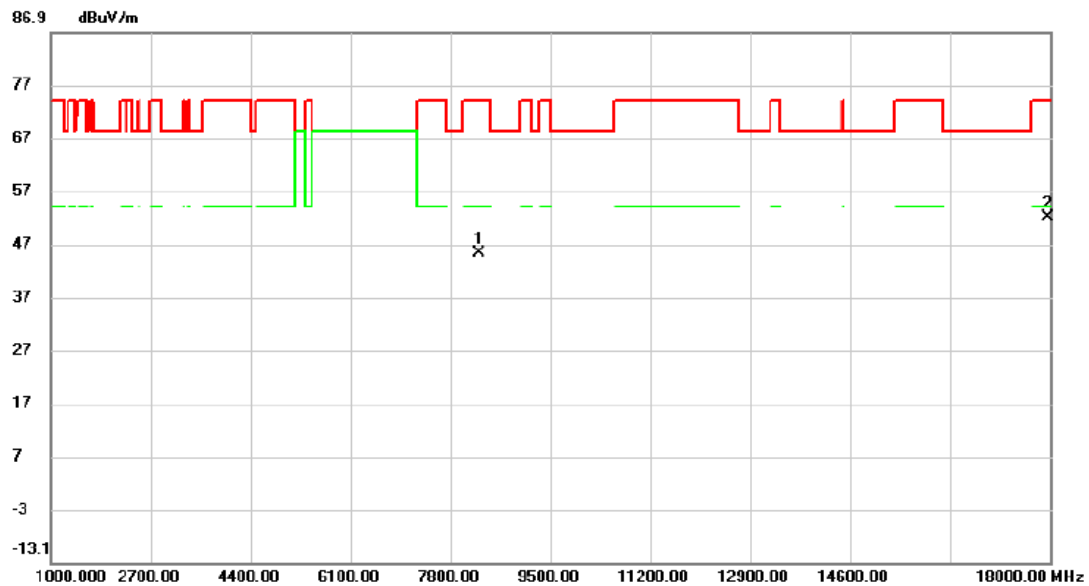
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	1150.4500	57.06	-6.77	50.29	74.00	-23.71	Peak	
2	10878.7000	40.57	9.52	50.09	74.00	-23.91	Peak	

REMARKS:

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

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

Test Mode	UNII-2A_TX A Mode 5300 MHz	Polarization	Vertical
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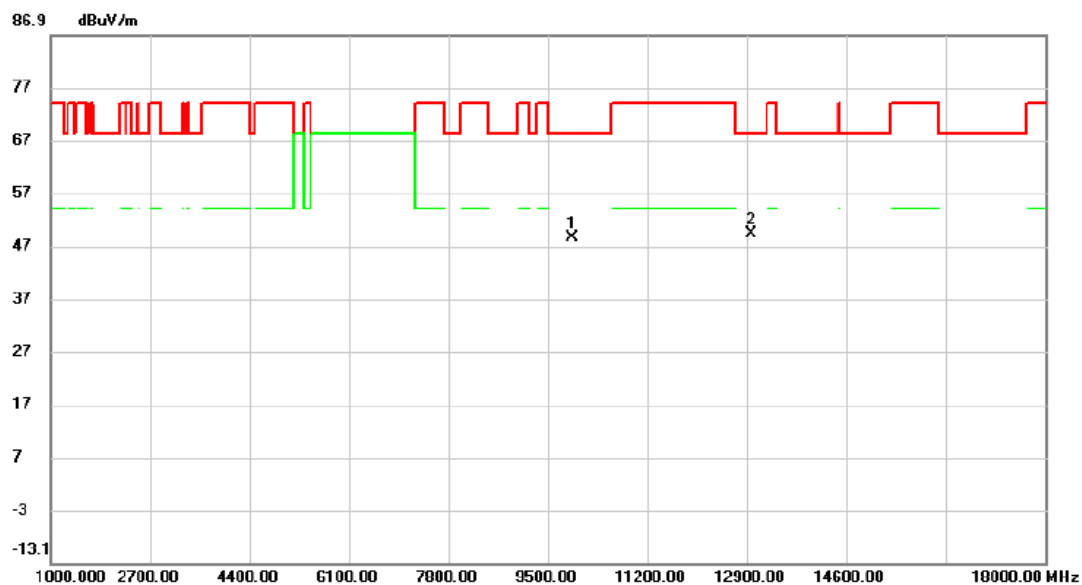
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV		dBuV/m	dBuV/m	dB		
1		8281.100	37.71	7.68	45.39	74.00	-28.61	peak	
2	*	17956.650	38.86	13.22	52.08	74.00	-21.92	peak	

REMARKS:

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

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

Test Mode	UNII-2A_TX A Mode 5300 MHz	Polarization	Horizontal
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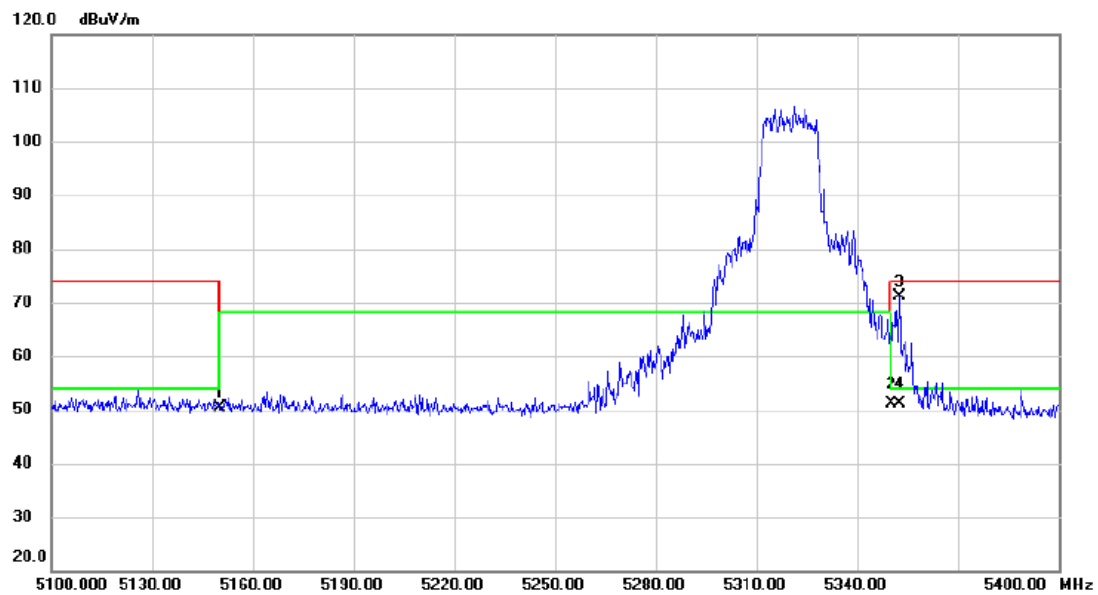


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV		dBuV/m	dBuV/m	dB	Detector	Comment
1		9913.950	39.67	8.94	48.61	68.20	-19.59	peak	
2	*	12986.700	39.83	9.35	49.18	68.20	-19.02	peak	

REMARKS:

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

Test Mode	UNII-2A_TX A Mode 5320 MHz	Polarization	Vertical
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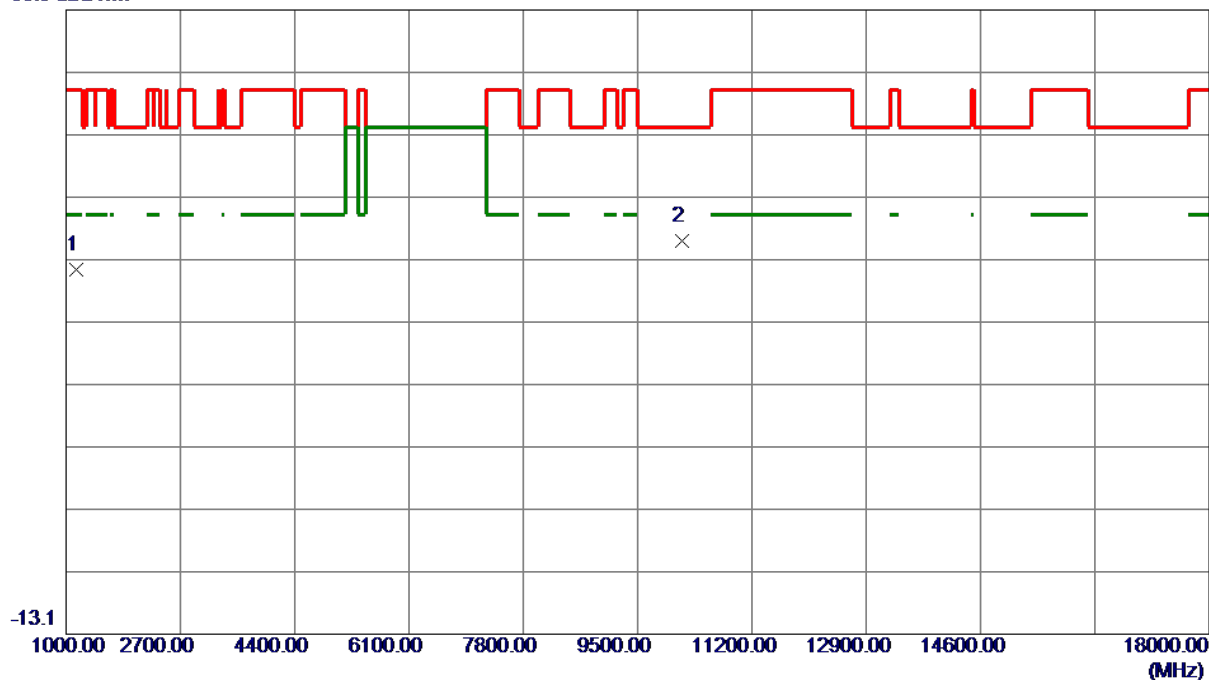
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5150.000	41.50	8.76	50.26	74.00	-23.74	peak	
2		5350.000	42.17	8.89	51.06	54.00	-2.94	AVG	
3		5352.465	62.19	8.88	71.07	74.00	-2.93	peak	
4	*	5352.465	42.20	8.88	51.08	54.00	-2.92	AVG	

REMARKS:

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

Test Mode	UNII-2A_TX A Mode 5320 MHz	Polarization	Vertical
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86.9 dBuV/m

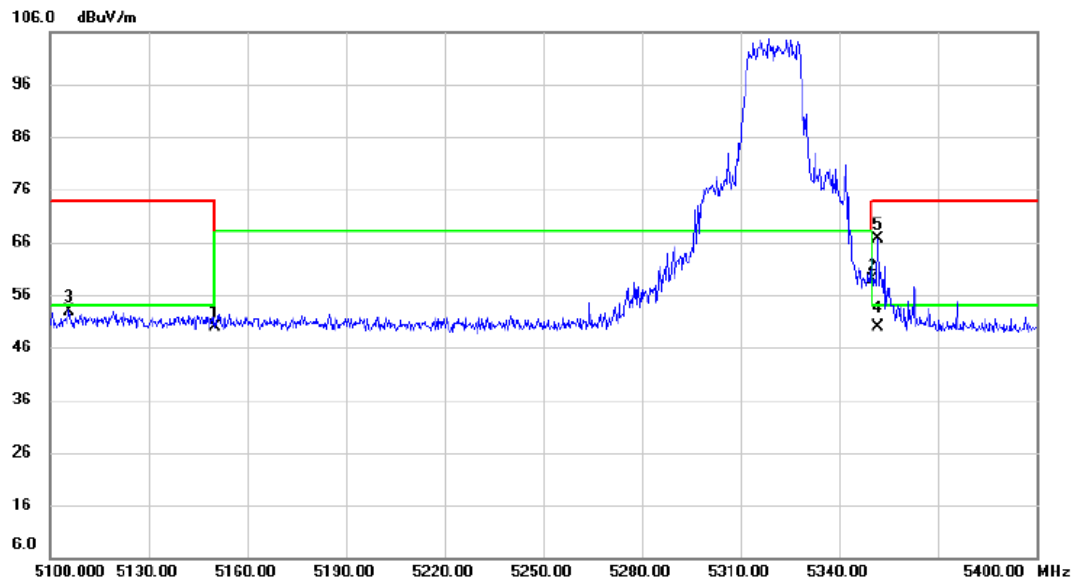


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	1150.4500	52.09	-6.77	45.32	74.00	-28.68	Peak	
2 *	10157.9000	41.04	8.86	49.90	68.20	-18.30	Peak	

REMARKS:

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

Test Mode	UNII-2A_TX A Mode 5320 MHz	Polarization	Horizontal
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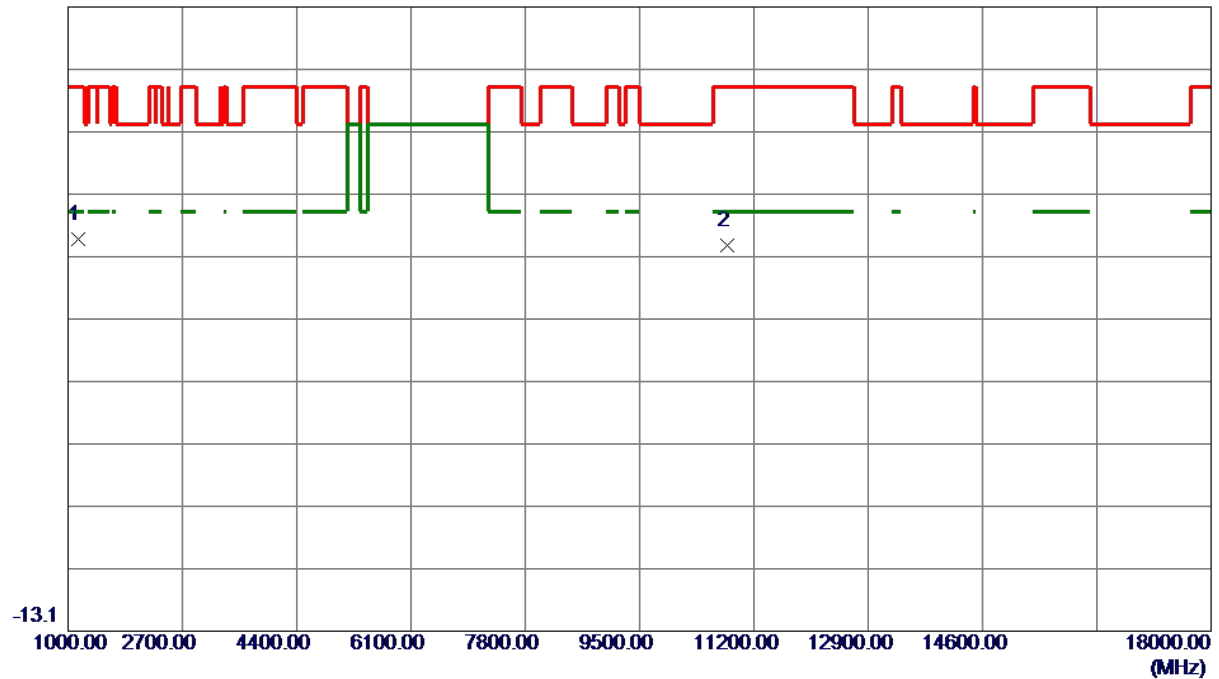
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5150.000	41.14	8.76	49.90	74.00	-24.10	peak	
2		5350.000	50.11	8.89	59.00	74.00	-15.00	peak	
3		5105.940	44.25	8.75	53.00	74.00	-21.00	peak	
4	*	5351.700	40.98	8.88	49.86	54.00	-4.14	AVG	
5		5351.700	57.75	8.88	66.63	74.00	-7.37	peak	

REMARKS:

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

Test Mode	UNII-2A_TX A Mode 5320 MHz	Polarization	Horizontal
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86.9 dBuV/m



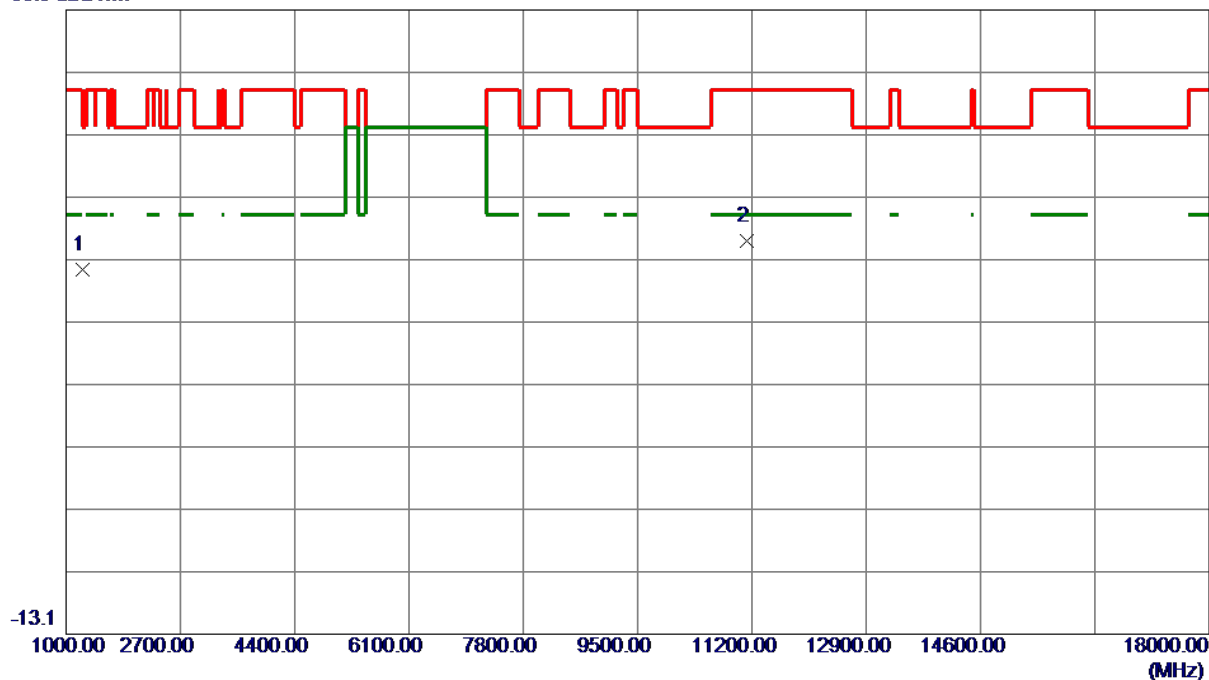
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	1150.4500	56.55	-6.77	49.78	74.00	-24.22	Peak	
2	10806.4500	39.29	9.50	48.79	74.00	-25.21	Peak	

REMARKS:

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

Test Mode	UNII-2A_TX AC(VHT20) Mode 5260 MHz	Polarization	Vertical
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86.9 dBuV/m



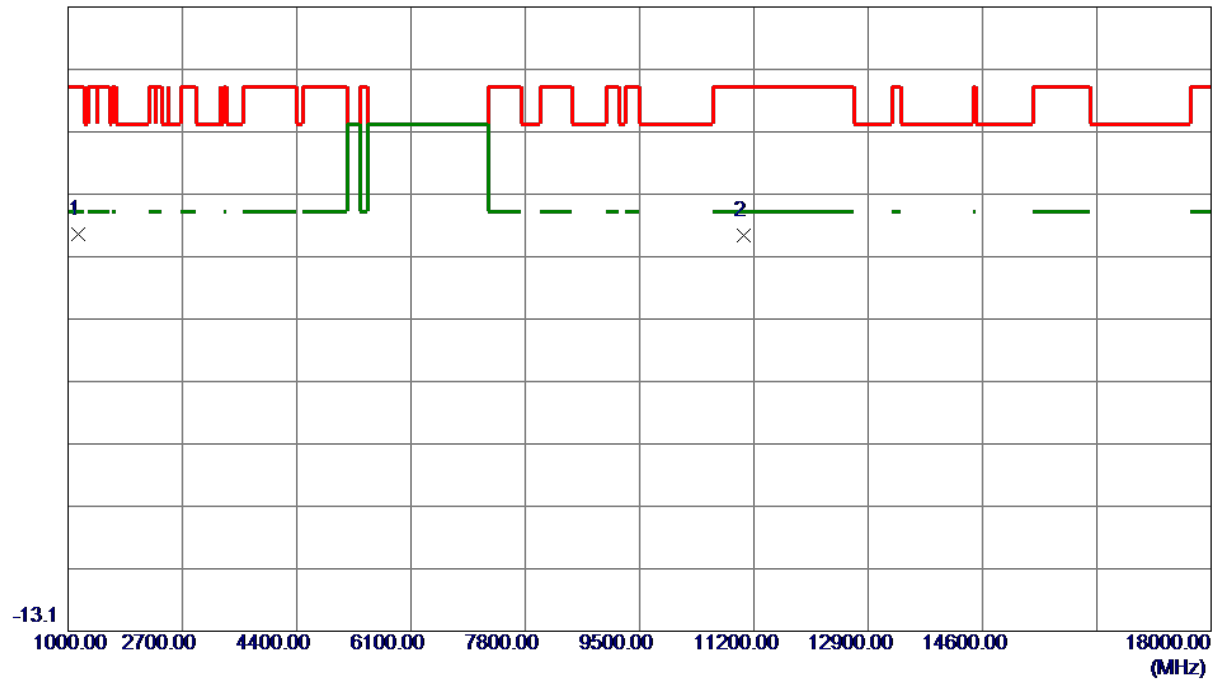
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	1249.9000	51.81	-6.60	45.21	68.20	-22.99	Peak	
2	11127.7500	40.25	9.62	49.87	74.00	-24.13	Peak	

REMARKS:

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

Test Mode	UNII-2A_TX AC(VHT20) Mode 5260 MHz	Polarization	Horizontal
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86.9 dBuV/m



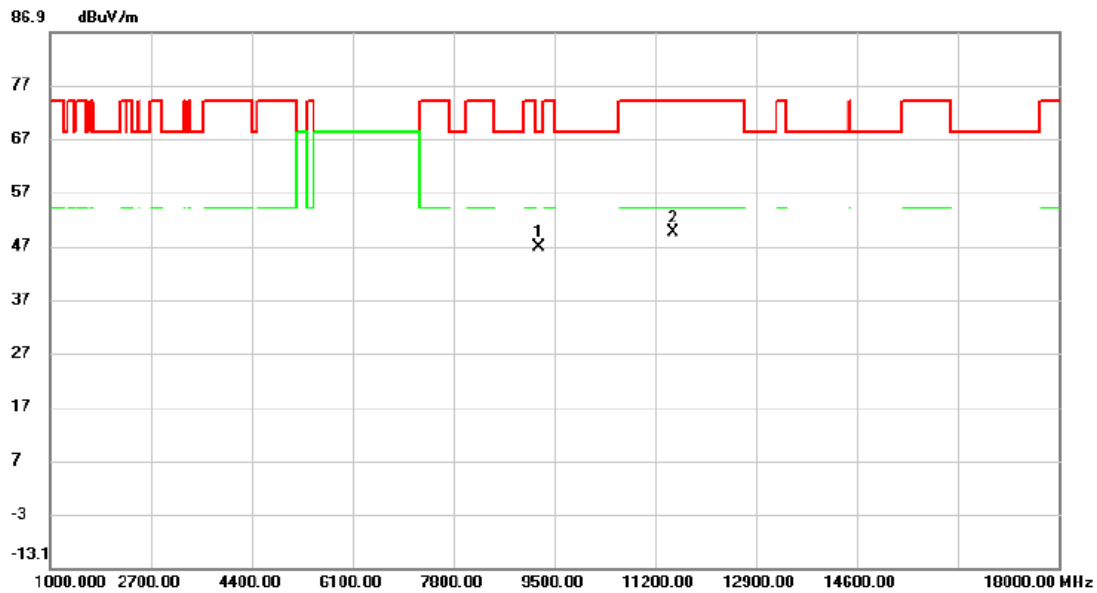
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	1150.4500	57.27	-6.77	50.50	74.00	-23.50	Peak	
2	11056.3500	40.80	9.59	50.39	74.00	-23.61	Peak	

REMARKS:

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

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

Test Mode	UNII-2A_TX AC(VHT20) Mode 5300 MHz	Polarization	Vertical
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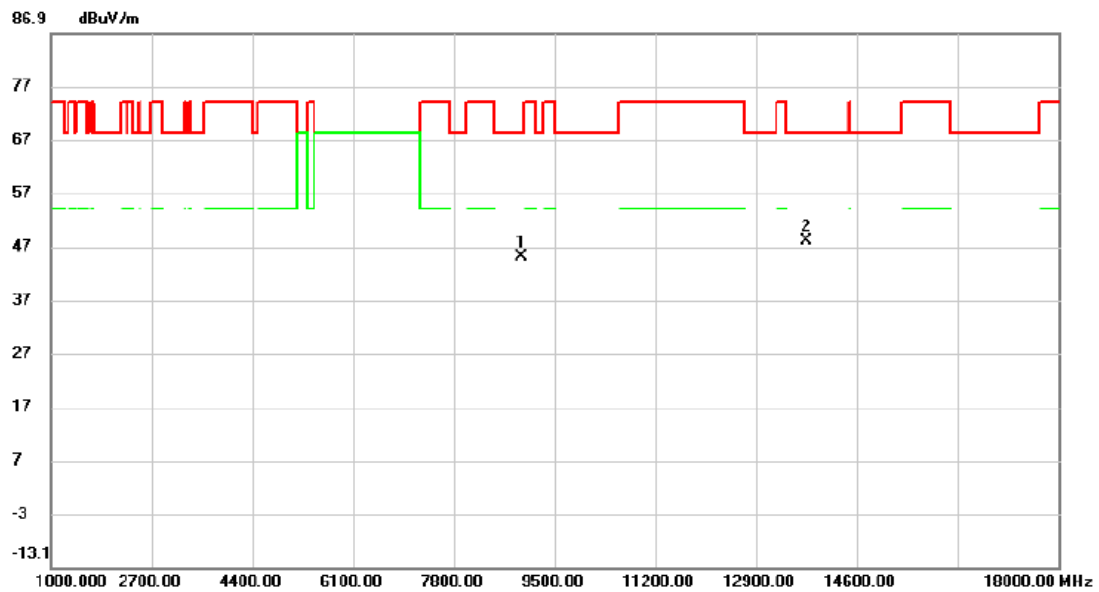


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV		dBuV/m	dBuV/m	dB		
1	*	9228.850	38.29	8.59	46.88	68.20	-21.32	peak	
2		11497.500	39.32	10.10	49.42	74.00	-24.58	peak	

REMARKS:

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

Test Mode	UNII-2A_TX AC(VHT20) Mode 5300 MHz	Polarization	Horizontal
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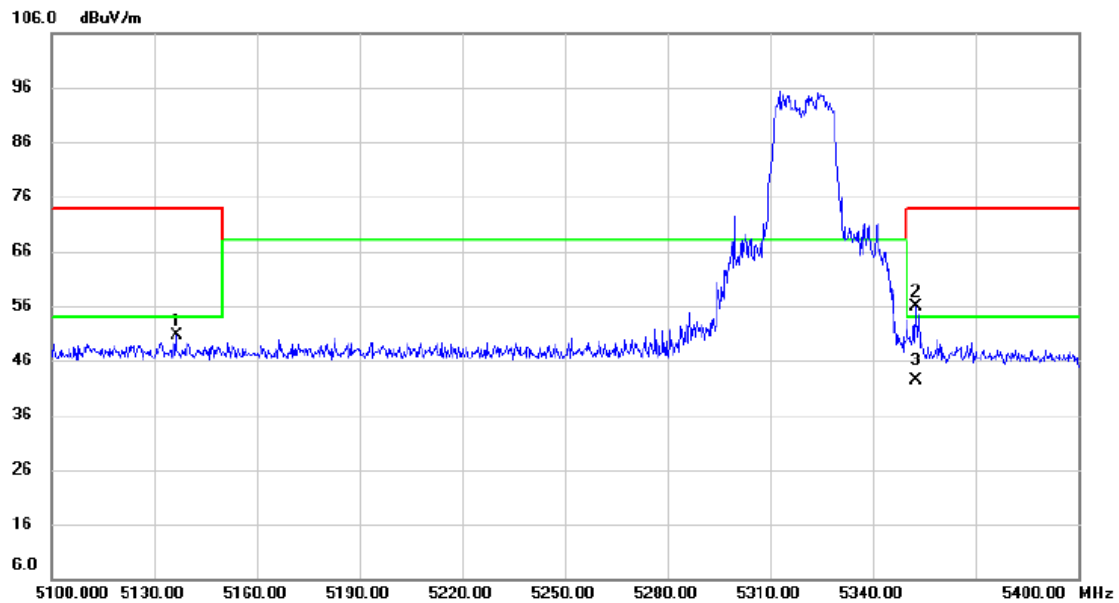


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		8944.100	37.13	7.91	45.04	68.20	-23.16	peak	
2	*	13741.500	38.40	9.67	48.07	68.20	-20.13	peak	

REMARKS:

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

Test Mode	UNII-2A_TX AC(VHT20) Mode 5320 MHz	Polarization	Vertical
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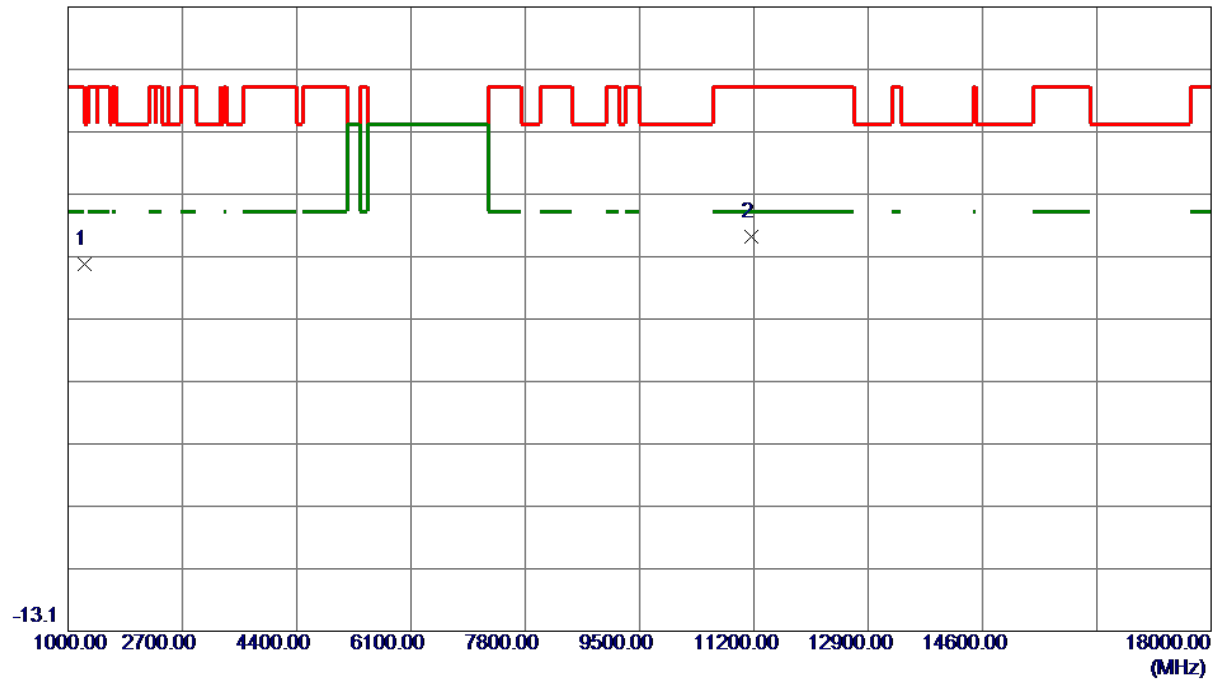
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5136.540	51.97	-1.32	50.65	74.00	-23.35	peak	
2		5352.525	57.30	-1.32	55.98	74.00	-18.02	peak	
3	*	5352.525	43.58	-1.32	42.26	54.00	-11.74	AVG	

REMARKS:

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

Test Mode	UNII-2A_TX AC(VHT20) Mode 5320 MHz	Polarization	Vertical
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86.9 dBuV/m



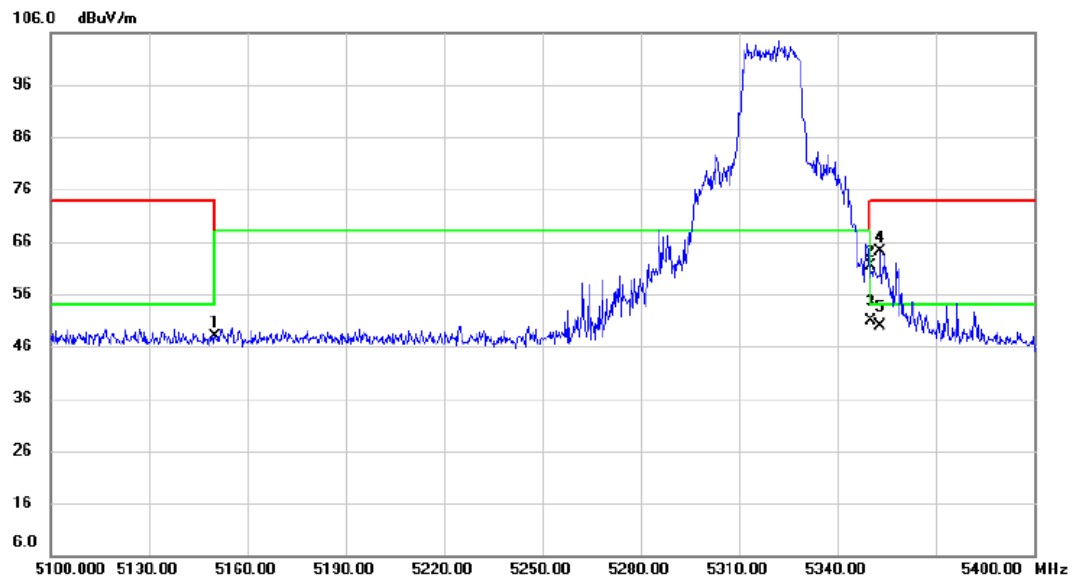
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	1249.9000	52.36	-6.60	45.76	68.20	-22.44	Peak	
2	11156.6500	40.45	9.63	50.08	74.00	-23.92	Peak	

REMARKS:

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

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

Test Mode	UNII-2A_TX AC(VHT20) Mode 5320 MHz	Polarization	Horizontal
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No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5150.000	49.32	-1.33	47.99	74.00	-26.01	peak	
2		5350.000	62.73	-1.31	61.42	74.00	-12.58	peak	
3	*	5350.000	52.08	-1.31	50.77	54.00	-3.23	AVG	
4		5352.990	65.40	-1.32	64.08	74.00	-9.92	peak	
5		5352.990	51.10	-1.32	49.78	54.00	-4.22	AVG	

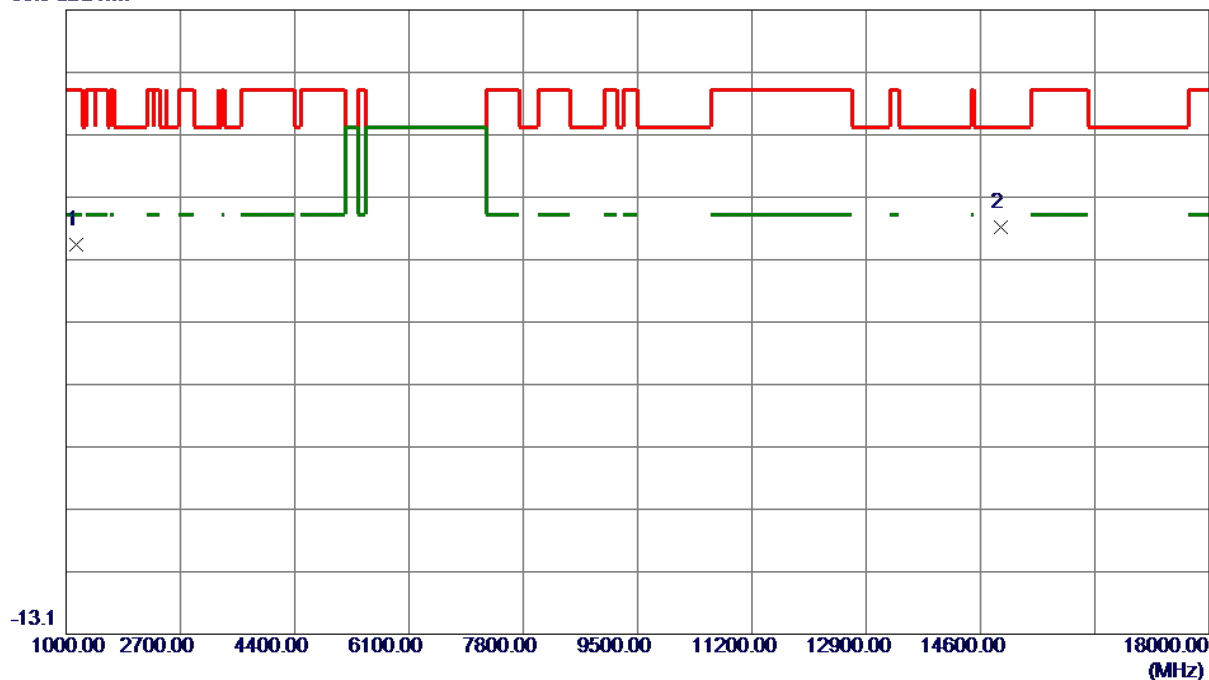
REMARKS:

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

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

Test Mode	UNII-2A_TX AC(VHT20) Mode 5320 MHz	Polarization	Horizontal
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86.9 dBuV/m

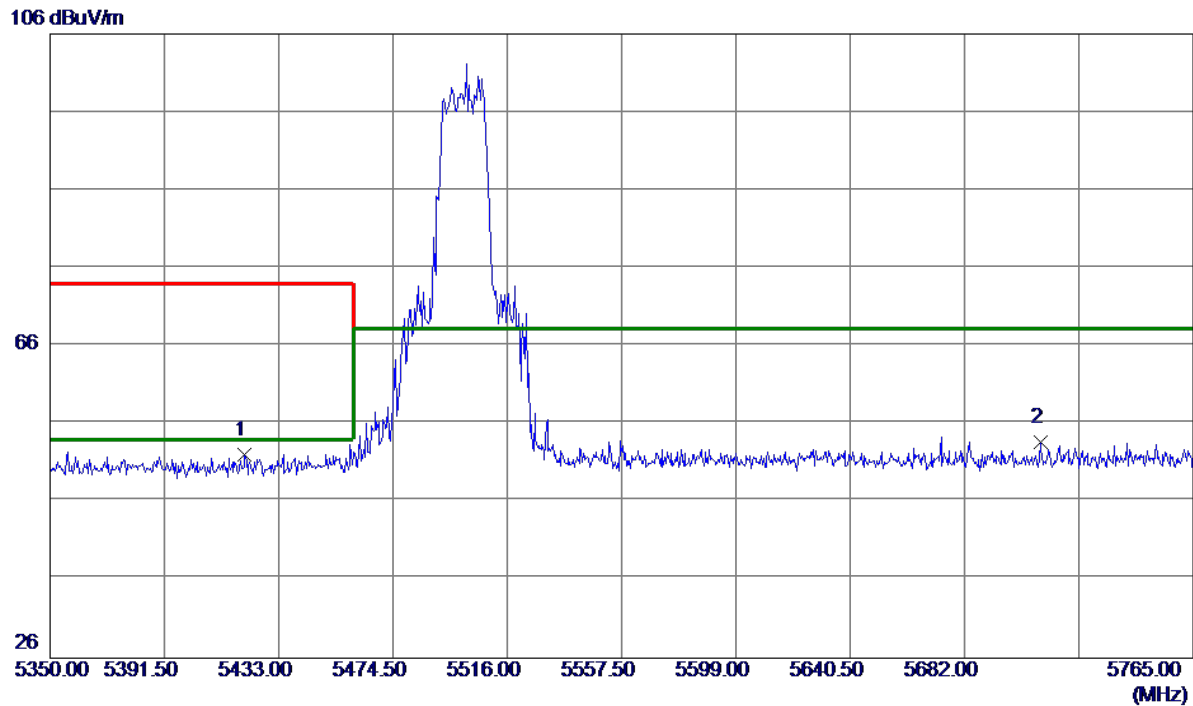


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	1150.4500	56.07	-6.77	49.30	74.00	-24.70	Peak	
2 *	14898.3500	42.51	9.50	52.01	68.20	-16.19	Peak	

REMARKS:

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

Test Mode	UNII-2C_TX A Mode 5500 MHz	Polarization	Vertical
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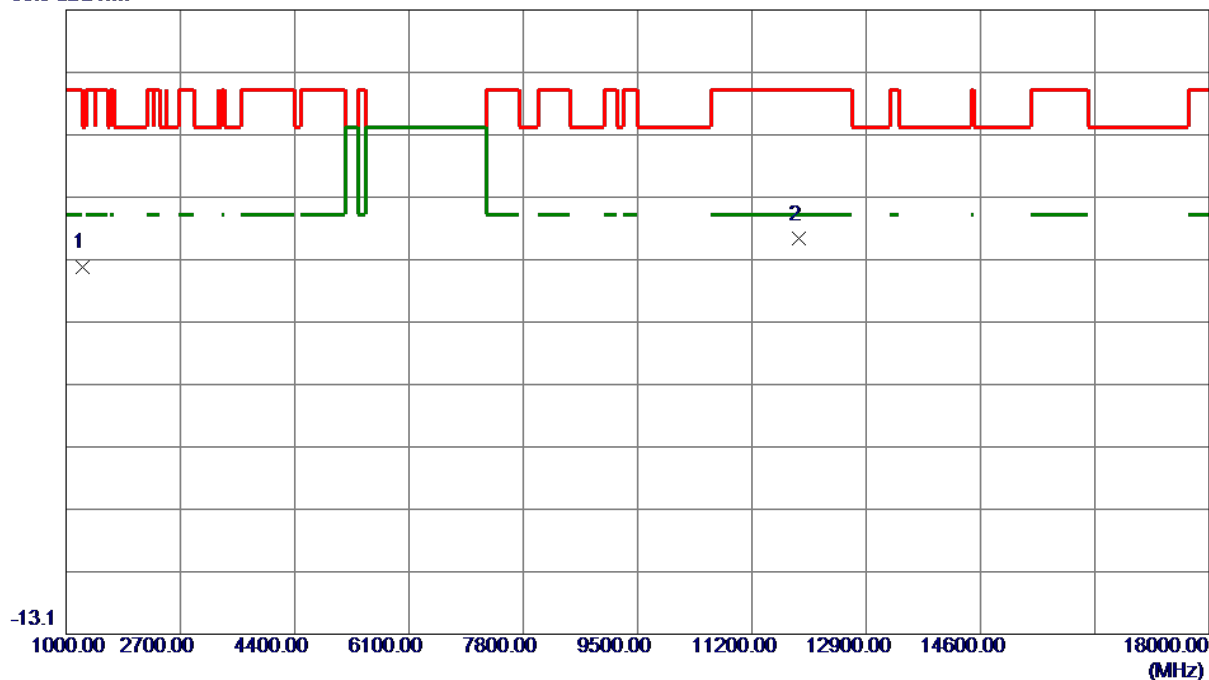
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5420.7160	40.41	11.73	52.14	74.00	-21.86	Peak	
2 *	5709.7639	41.54	12.15	53.69	68.20	-14.51	Peak	

REMARKS:

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

Test Mode	UNII-2C_TX A Mode 5500 MHz	Polarization	Vertical
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86.9 dBuV/m

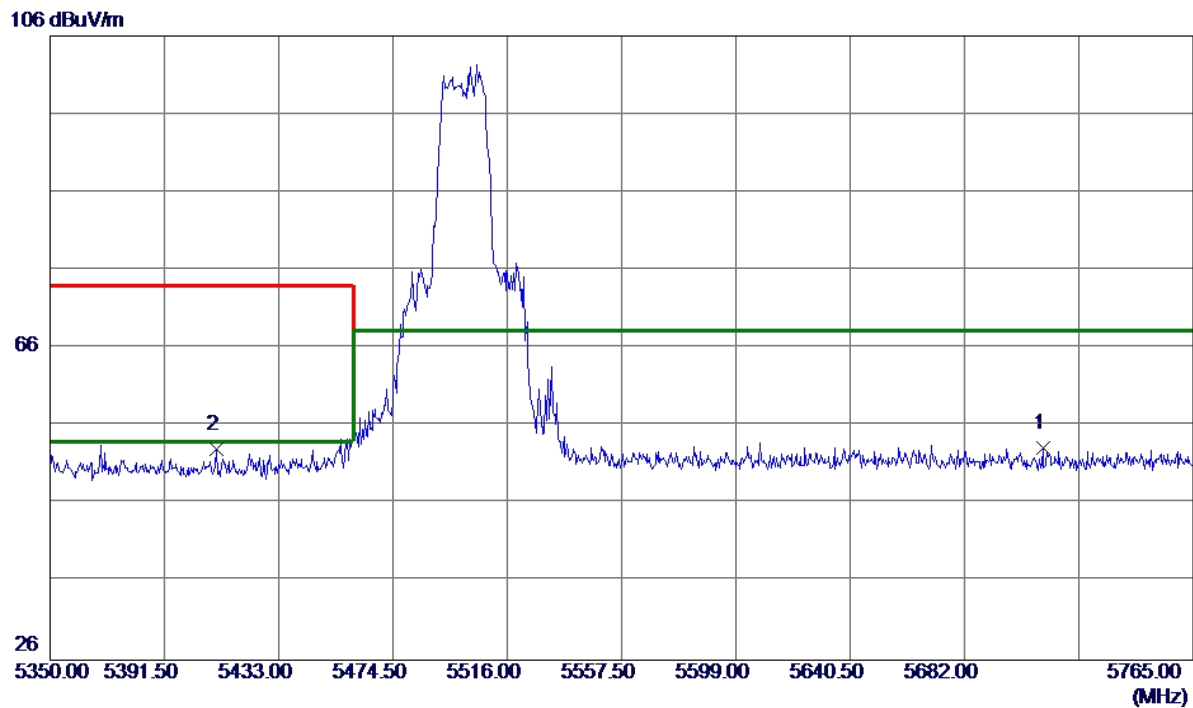


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	1250.7500	52.36	-6.60	45.76	68.20	-22.44	Peak	
2	11894.4500	40.79	9.41	50.20	74.00	-23.80	Peak	

REMARKS:

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

Test Mode	UNII-2C_TX A Mode 5500 MHz	Polarization	Horizontal
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No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5710.4270	41.00	12.15	53.15	68.20	-15.05	Peak	
2	5410.3820	41.38	11.72	53.10	74.00	-20.90	Peak	

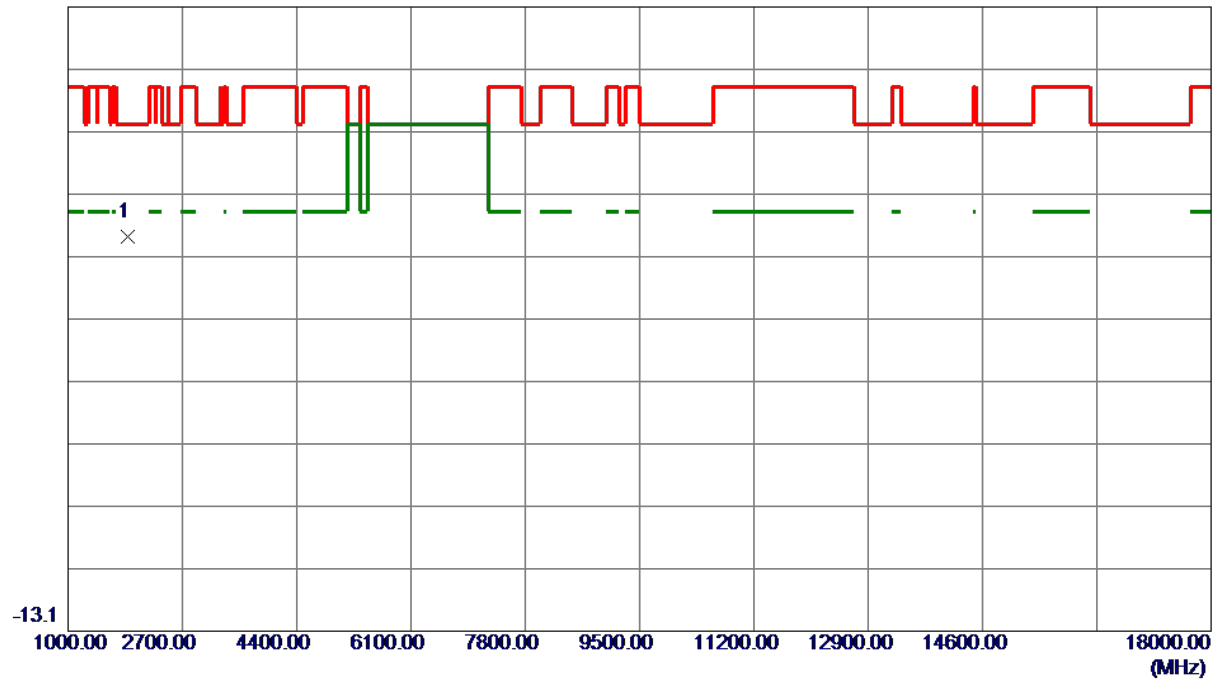
REMARKS:

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

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

Test Mode	UNII-2C_TX A Mode 5500 MHz	Polarization	Horizontal
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86.9 dBuV/m

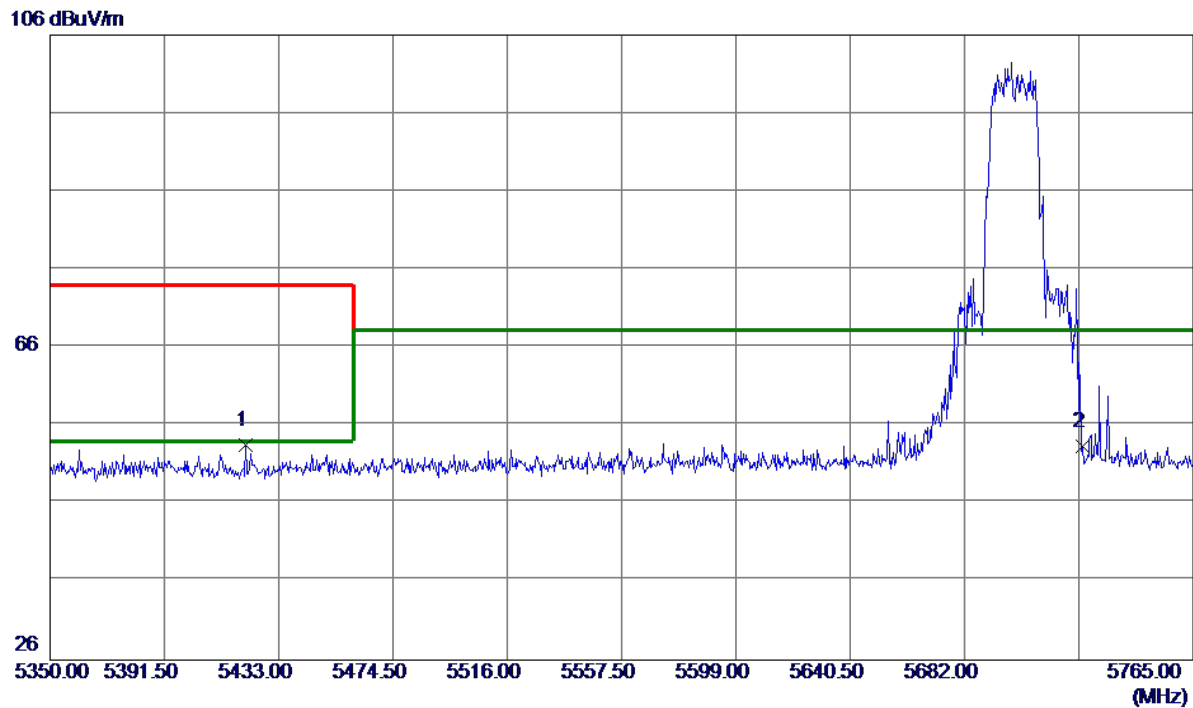


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	1880.6000	55.60	-5.59	50.01	68.20	-18.19	Peak	

REMARKS:

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

Test Mode	UNII-2C_TX A Mode 5700 MHz	Polarization	Vertical
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No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5421.2140	41.73	11.73	53.46	74.00	-20.54	Peak	
2 *	5725.0000	41.16	12.18	53.34	68.20	-14.86	Peak	

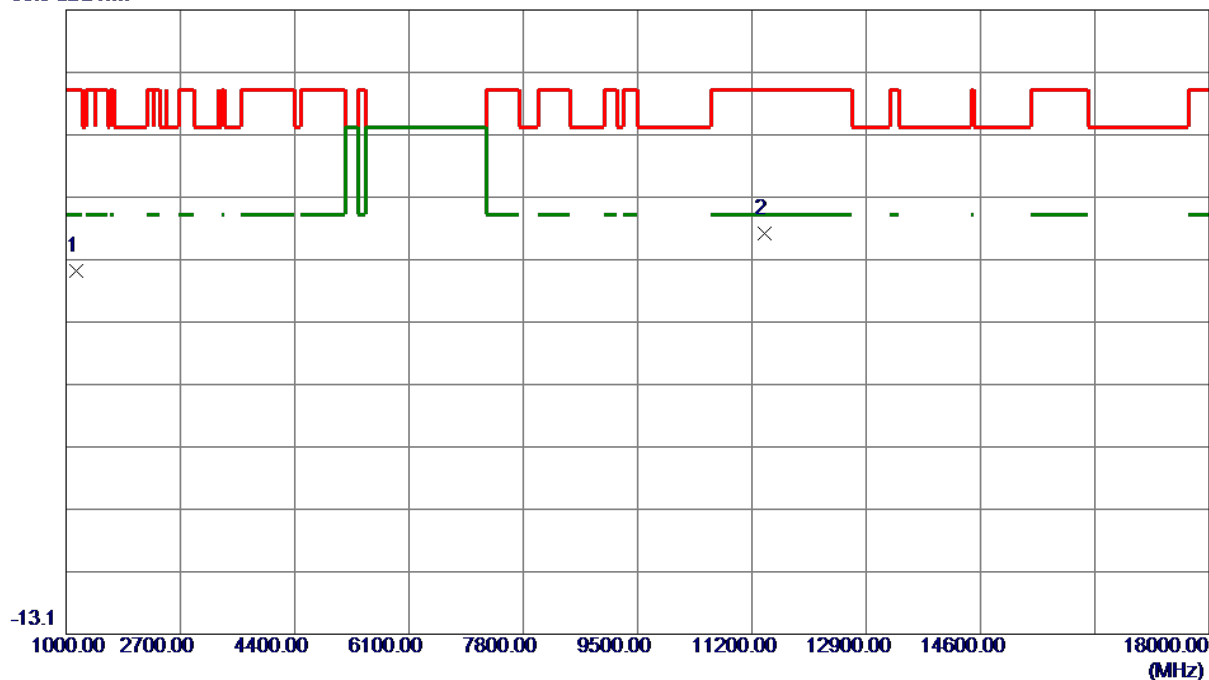
REMARKS:

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

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

Test Mode	UNII-2C_TX A Mode 5700 MHz	Polarization	Vertical
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86.9 dBuV/m

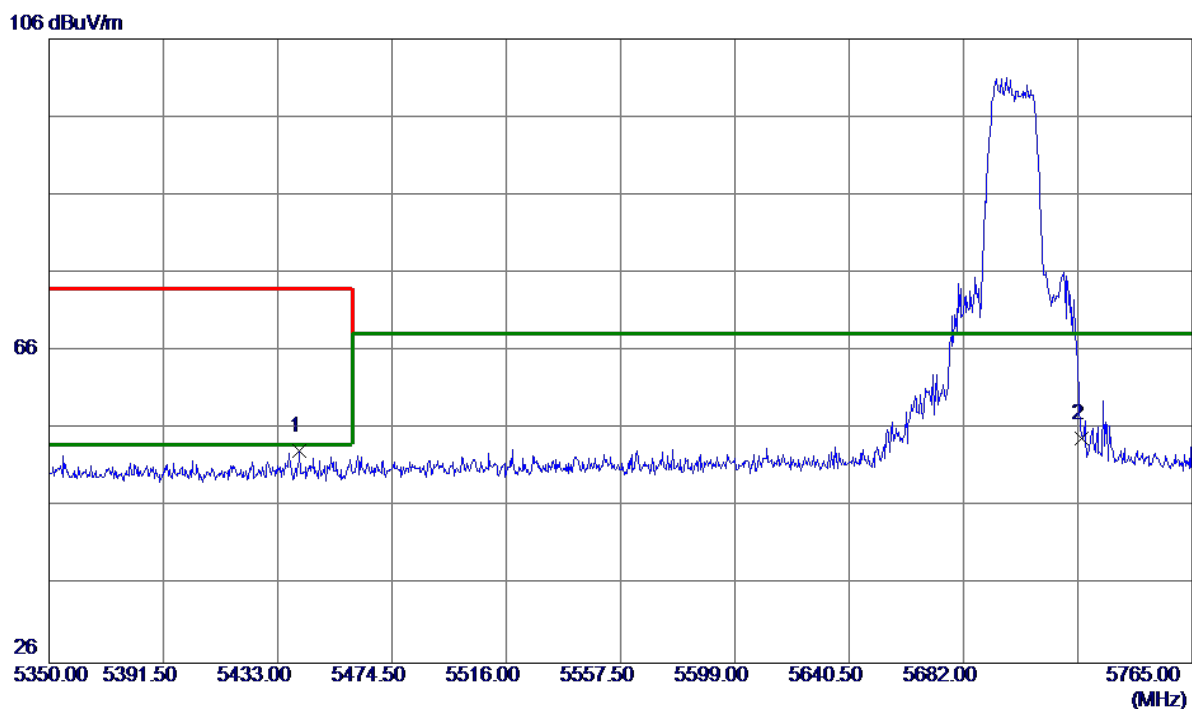


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	1150.4500	51.84	-6.77	45.07	74.00	-28.93	Peak	
2 *	11397.2000	41.32	9.74	51.06	74.00	-22.94	Peak	

REMARKS:

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

Test Mode	UNII-2C_TX A Mode 5700 MHz	Polarization	Horizontal
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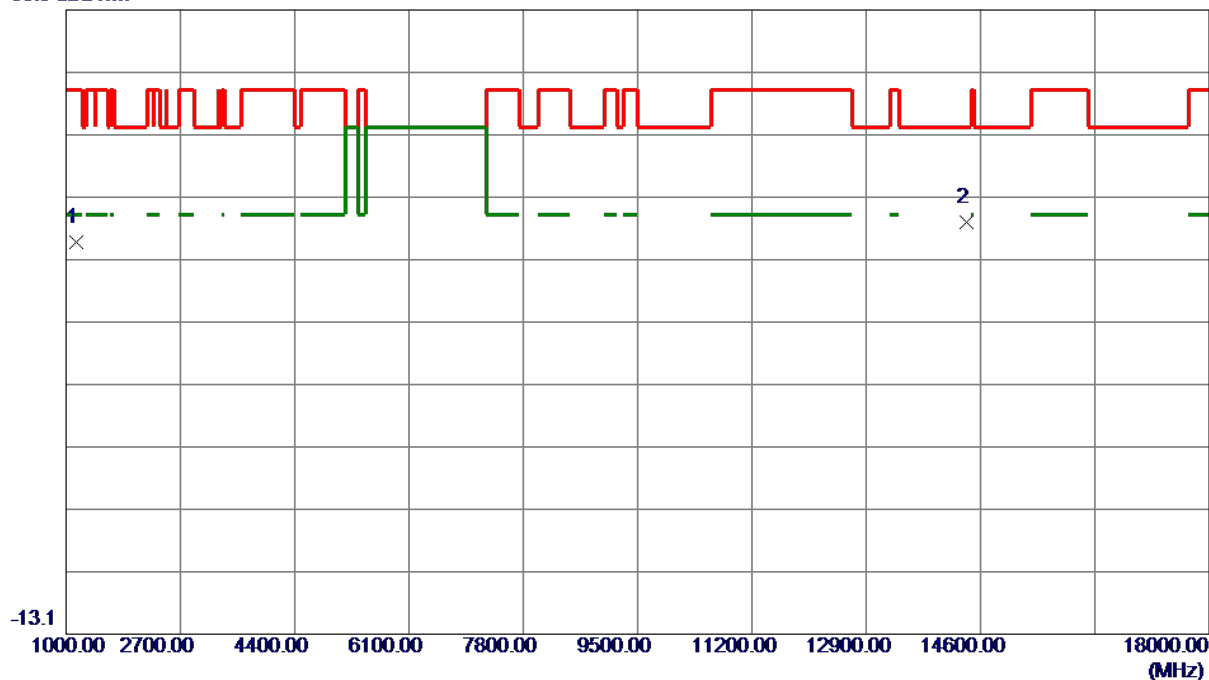
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5440.9260	41.48	11.74	53.22	74.00	-20.78	Peak	
2 *	5725.0000	42.69	12.18	54.87	68.20	-13.33	Peak	

REMARKS:

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

Test Mode	UNII-2C_TX A Mode 5700 MHz	Polarization	Horizontal
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86.9 dBuV/m



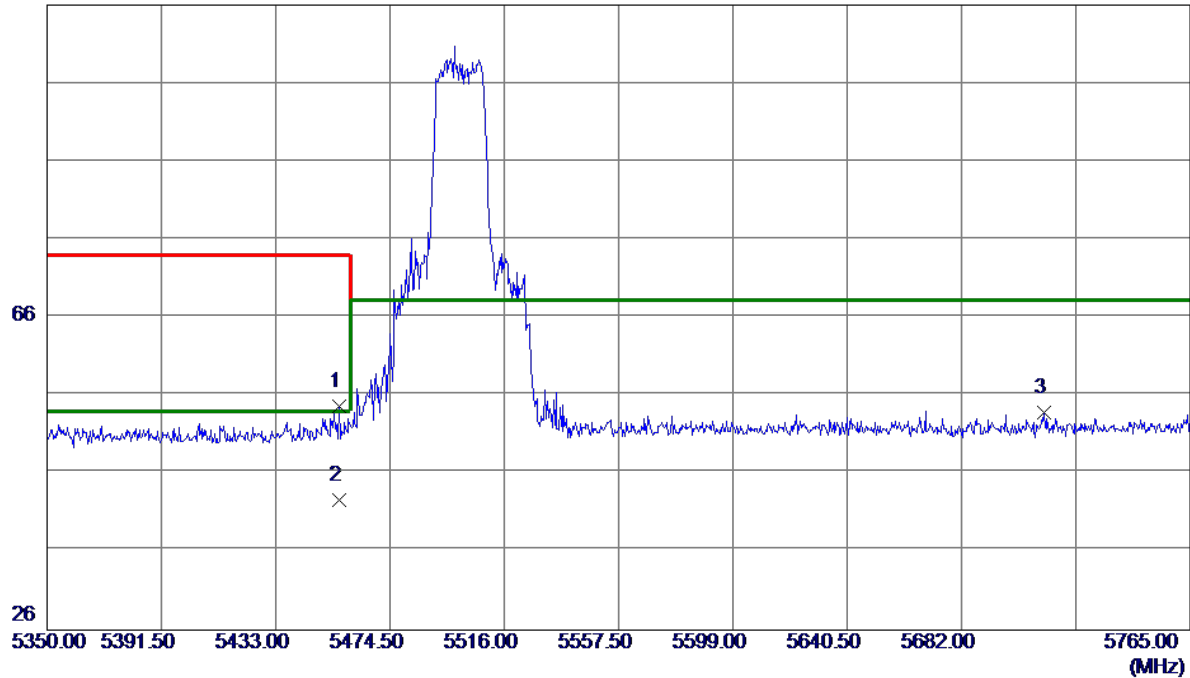
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	1149.6000	56.41	-6.77	49.64	74.00	-24.36	Peak	
2 *	14396.8500	42.67	10.19	52.86	68.20	-15.34	Peak	

REMARKS:

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

Test Mode	UNII-2C_TX AC(VHT20) Mode 5500 MHz	Polarization	Vertical
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106 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5455.9080	42.93	11.75	54.68	74.00	-19.32	Peak	
2 *	5455.9080	30.84	11.75	42.59	54.00	-11.41	AVG	
3	5711.7559	41.65	12.15	53.80	68.20	-14.40	Peak	

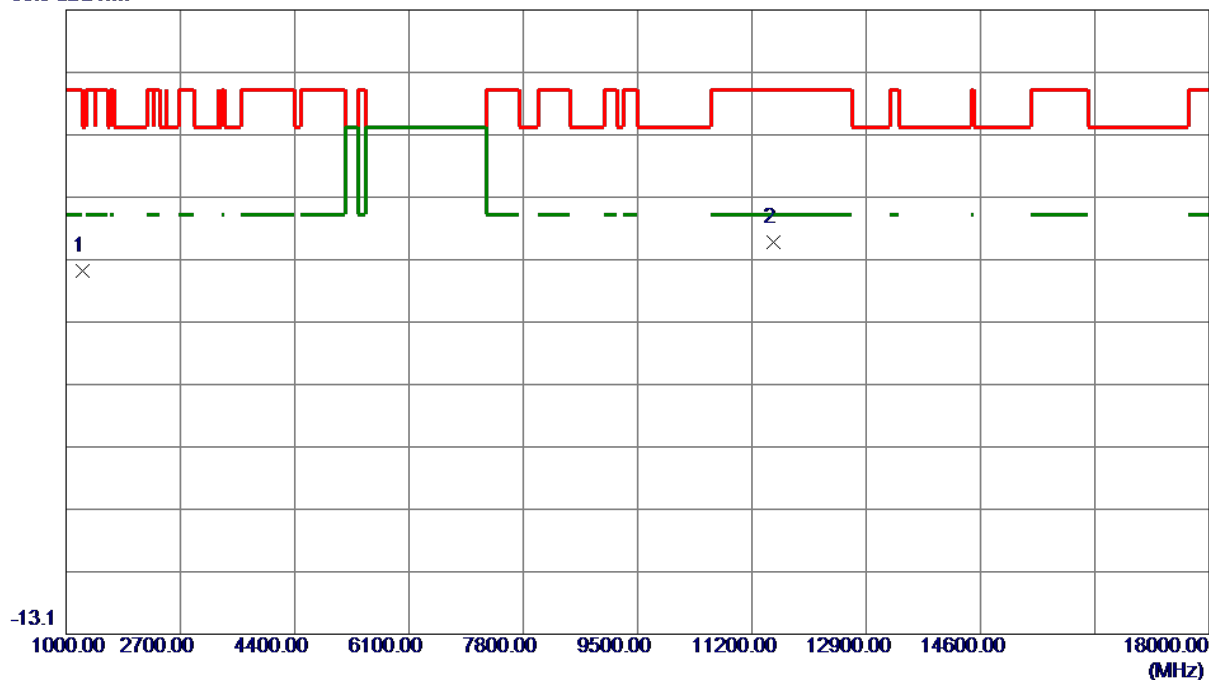
REMARKS:

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

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

Test Mode	UNII-2C_TX AC(VHT20) Mode 5500 MHz	Polarization	Vertical
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86.9 dBuV/m



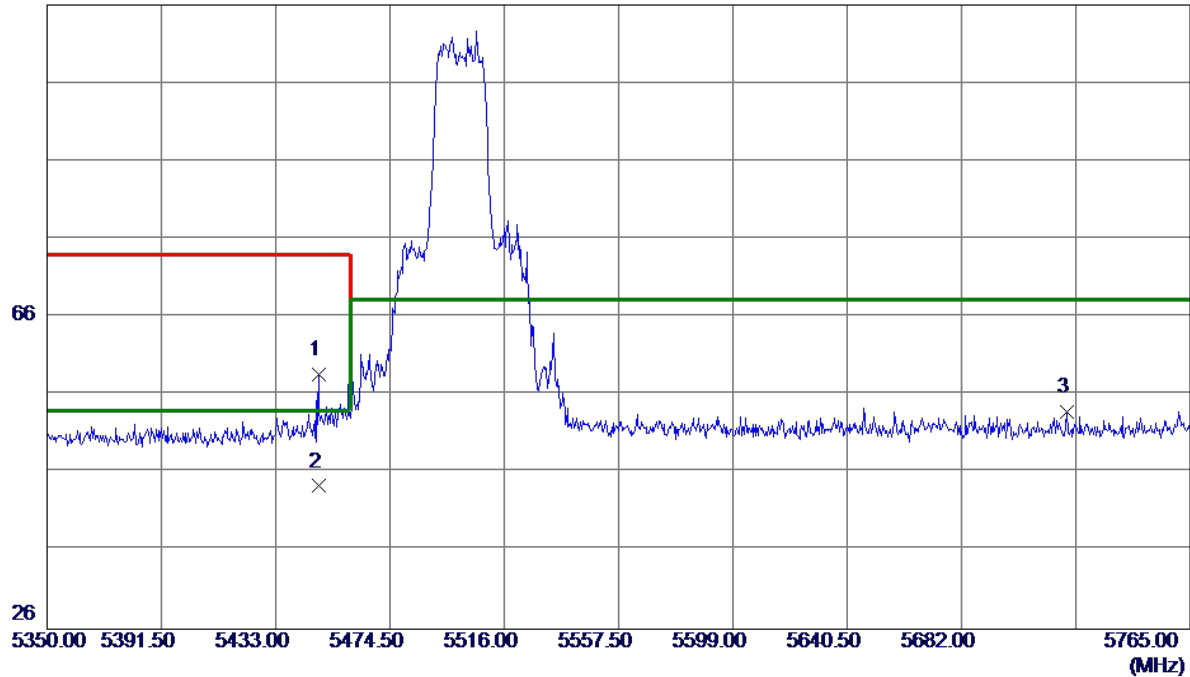
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	1249.9000	51.66	-6.60	45.06	68.20	-23.14	Peak	
2	11517.0500	39.85	9.77	49.62	74.00	-24.38	Peak	

REMARKS:

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

Test Mode	UNII-2C_TX AC(VHT20) Mode 5500 MHz	Polarization	Horizontal
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106 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5448.6040	46.96	11.75	58.71	74.00	-15.29	Peak	
2 *	5448.6040	32.57	11.75	44.32	54.00	-9.68	AVG	
3	5720.1389	41.67	12.17	53.84	68.20	-14.36	Peak	

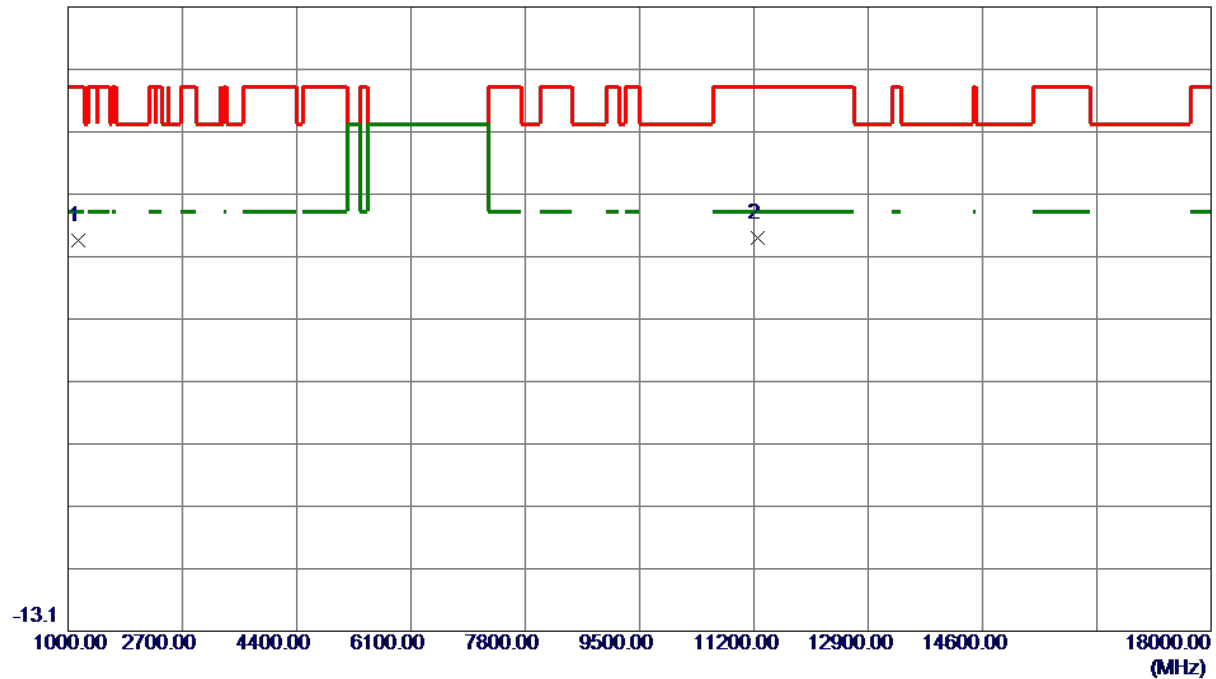
REMARKS:

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

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

Test Mode	UNII-2C_TX AC(VHT20) Mode 5500 MHz	Polarization	Horizontal
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86.9 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	1150.4500	56.34	-6.77	49.57	74.00	-24.43	Peak	
2 *	11251.8500	40.22	9.67	49.89	74.00	-24.11	Peak	

REMARKS:

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

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