



FCC Radio Test Report

FCC ID: 2BH7FEAP211BRGV3

This report concerns: Original Grant

Project No.	: 2502G019
Equipment	: 5GHz 867Mbps Indoor/Outdoor Wireless Bridge
Brand Name	: tp-link
Test Model	: EAP211-Bridge
Series Model	: N/A
Applicant	: TP-Link Systems Inc.
Address	: 10 Mauchly, Irvine, CA 92618
Manufacturer	: TP-Link Systems Inc.
Address	: 10 Mauchly, Irvine, CA 92618
Date of Receipt	: Feb. 13, 2025
Date of Test	: Feb. 28, 2025 ~ Apr. 08, 2025 Jun. 26, 2025
Issued Date	: Jun. 26, 2025
Report Version	: R02
Test Sample	: Engineering Sample No.: DG20250213241 for Radiated and AC Power Line Conducted Emissions, DG20250213240 for others.
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. (Dongguan).

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Declaration

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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.

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REPORT ISSUED HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-1-2502G019	R00	Original Report.	Jun. 10, 2025	Invalid
BTL-FCCP-1-2502G019	R01	Modified the comments.	Jun. 20, 2025	Invalid
BTL-FCCP-1-2502G019	R02	Modified the comments.	Jun. 26, 2025	Valid

1. APPLICABLE STANDARDS

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

ANSI C63.10-2013

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	-----
15.407(g)	Frequency Stability	APPENDIX H	NOTE (5)	-----
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
- (5) This test items are not tested according to client's requirement.

2.1 TEST FACILITY

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

For Radiated Emission-Above 30MHz Items: Room 102 & 702, Building A3, No.9, Jinshagang 1st Road, Dalang, Dongguan, Guangdong People's Republic of China.

For Other Items: No.3, Jinshagang 1st Road, Dalang, Dongguan, Guangdong People's Republic of China.

BTL's Registration Number for FCC: 747969

BTL's Designation Number for FCC: CN1377

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. AC power line conducted emissions test:

Test Site	Method	Measurement Frequency Range	U,(dB)
DG-C02	CISPR	150kHz ~ 30MHz	2.88

B. Radiated emissions test:

Test Site	Method	Measurement Frequency Range	U,(dB)
DG-CB01	CISPR	9kHz ~ 30MHz	2.36

Test Site	Method	Measurement Frequency Range	Ant. H / V	U,(dB)
DG-CB17 (3m)	CISPR	30MHz ~ 200MHz	V	4.22
		30MHz ~ 200MHz	H	3.46
		200MHz ~ 1,000MHz	V	5.02
		200MHz ~ 1,000MHz	H	4.22

Test Site	Method	Measurement Frequency Range	U,(dB)
DG-CB18 (3m)	CISPR	1GHz ~ 6GHz	4.48
		6GHz ~ 18GHz	3.88

Test Site	Method	Measurement Frequency Range	U,(dB)
DG-CB18 (1m)	CISPR	18 ~ 26.5 GHz	3.56
		26.5 ~ 40 GHz	3.54

C. Other Measurement test:

Test Item	Uncertainty
Bandwidth	0.90 %
Maximum Output Power	1.3 dB
Power Spectral Density	1.4 dB
Frequency Stability	2.7 ppm
Temperature	0.8 °C
Humidity	2.2 %

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	Test Date
AC Power Line Conducted Emissions	22°C	53%	DC 12V	Hayden Chen	Mar. 12, 2025
Radiated Emissions-9kHz to 30MHz	22°C	46%	DC 12V	Heyden Chen	Mar. 14, 2025
Radiated Emissions-30MHz to 1000MHz	24°C	48%	DC 12V	Calvin Wen	Mar. 10, 2025
Radiated Emissions -Above 1000 MHz	23°C	51%	DC 12V	Drew Tan Allen Tong	Mar. 20, 2025- Mar. 21, 2025
Bandwidth	21-22°C	51-60%	DC 12V	Arvin Tong	Mar. 19, 2025- Apr. 07, 2025
	27°C	48%	DC 12V	Newnar Wang	Jun. 26, 2025
Maximum Output Power	23-24°C	53-56%	DC 12V	Meers Zhang Alex Yin	Mar. 10, 2025- Mar. 22, 2025
Power Spectral Density	22°C	51%	DC 12V	Arvin Tong	Mar. 19, 2025

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	5GHz 867Mbps Indoor/Outdoor Wireless Bridge
Brand Name	tp-link
Test Model	EAP211-Bridge
Series Model	N/A
Model Difference(s)	N/A
Software Version	V3
Hardware Version	V3
Power Source	1# DC Voltage supplied from AC adapter.(Support unit) 2# Supplied from 802.3af PoE. 3# DC Voltage supplied from PoE adapter.(Optional) Model: POE2412G
Power Rating	1# Power: 12V --- 1A 2# 802.3af PoE: 36-57V --- 0.36A 3# I/P:100-240V ~ 50/60Hz 0.4A O/P:24.0V --- 0.5A
Operation Frequency Band(s)	UNII-1: 5150 MHz ~ 5250 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 300 Mbps IEEE 802.11ac: up to 866.7 Mbps
Maximum Output Power UNII-1	IEEE 802.11ac(VHT20): 22.93 dBm (0.1963 W)
Maximum Output Power UNII-3	IEEE 802.11a: 25.75 dBm (0.3758 W)

Note:

- 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)		IEEE 802.11n(HT40) IEEE 802.11ac(VHT40)		IEEE 802.11ac(VHT80)	
UNII-1		UNII-1		UNII-1	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	38	5190	42	5210
40	5200	46	5230		
44	5220				
48	5240				

IEEE 802.11a IEEE 802.11n(HT20) IEEE 802.11ac(VHT20)		IEEE 802.11n(HT40) IEEE 802.11ac(VHT40)		IEEE 802.11ac(VHT80)	
UNII-3		UNII-3		UNII-3	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
149	5745	151	5755	155	5775
153	5765	159	5795		
157	5785				
161	5805				
165	5825				

3. Antenna Specification:

Ant.	Manufacturer	P/N	Antenna Type	Connector	Gain (dBi)
1	TP-Link Systems Inc.	3101507376	Microstrip	N/A	6.90
2	TP-Link Systems Inc.	3101507376	Microstrip	N/A	7.00

Note:

- 1) This EUT supports CDD, and all antenna gains are not equal, Directional gain = $G_{ANT} + \text{Array Gain}$.
For power measurements, Array Gain=0dB ($N_{ANT} \leq 4$), so the Directional gain=7.00.
So, the UNII-1, UNII-3 output power limit is $30 - (7 - 6) = 29$.
For power spectral density measurements, $N_{ANT} = 2$, $N_{SS} = 1$.
So the Directional gain = $G_{ANT} + \text{Array Gain} = G_{ANT} + 10 \log(N_{ANT} / N_{SS}) \text{dBi} = 7 + 10 \log(2/1) \text{dBi} = 10.1$.
Then, the UNII-1 power spectral density limit is $17 - (10.1 - 6) = 12.99$. the UNII-3 power spectral density limit is $30 - (10.01 - 6) = 25.99$.
- 2) The maximum direction gain at any elevation angle above 30 degrees as measured from the horizon is -2 dBi.
- 3) Beamforming Gain: 3 dB. So Beamforming Directional gain = $3 + 7 = 10$. The UNII-1, UNII-3 output power limit is $30 - (10 - 6) = 26$.

4. Table for Antenna Configuration:

Operating Mode	TX Mode	2TX
IEEE 802.11a		V (Ant. 1 + Ant. 2)
IEEE 802.11n(HT20)		V (Ant. 1 + Ant. 2)
IEEE 802.11n(HT40)		V (Ant. 1 + Ant. 2)
IEEE 802.11ac(VHT20)		V (Ant. 1 + Ant. 2)
IEEE 802.11ac(VHT40)		V (Ant. 1 + Ant. 2)
IEEE 802.11ac(VHT80)		V (Ant. 1 + Ant. 2)

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 AC(VHT40) Mode Channel 38/46 (UNII-1)
Mode 4	TX AC(VHT80) Mode Channel 42 (UNII-1)
Mode 5	TX A Mode Channel 149/157/165 (UNII-3)
Mode 6	TX AC(VHT20) Mode Channel 149/157/165 (UNII-3)
Mode 7	TX AC(VHT40) Mode Channel 151/159 (UNII-3)
Mode 8	TX AC(VHT80) Mode Channel 155 (UNII-3)
Mode 9	TX A Mode Channel 149 (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 9	TX A Mode Channel 149 (UNII-3)

Radiated Emissions Test - Below 1GHz	
Final Test Mode	Description
Mode 9	TX A Mode Channel 149 (UNII-3)

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 AC(VHT40) Mode Channel 38/46 (UNII-1)
Mode 4	TX AC(VHT80) Mode Channel 42 (UNII-1)
Mode 5	TX A Mode Channel 149/157/165 (UNII-3)
Mode 6	TX AC(VHT20) Mode Channel 149/157/165 (UNII-3)
Mode 7	TX AC(VHT40) Mode Channel 151/159 (UNII-3)
Mode 8	TX AC(VHT80) Mode Channel 155 (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 AC(VHT40) Mode Channel 38/46 (UNII-1)
Mode 4	TX AC(VHT80) Mode Channel 42 (UNII-1)
Mode 5	TX A Mode Channel 149/157/165 (UNII-3)
Mode 6	TX AC(VHT20) Mode Channel 149/157/165 (UNII-3)
Mode 7	TX AC(VHT40) Mode Channel 151/159 (UNII-3)
Mode 8	TX AC(VHT80) Mode Channel 155 (UNII-3)

Note:

- (1) For AC power line conducted emissions and radiated emission below 1 GHz test, the TX A Mode Channel 149 (UNII-3) is found to be the worst case and recorded.
- (2) For radiated emission above 1 GHz test, the spurious points of 1GHz~26.5GHz and 26.5GHz~40GHz have been pre-tested and in this report only recorded the worst case. The remaining spurious points are all below the limit value of 20dB.
- (3) For radiated emission Harmonic 18-40GHz test, only tested the worst case and recorded.
- (4) All the bit rate of transmitter have been tested and found the lowest rate is found to be the worst case and recorded.
- (5) VHT20/VHT40 covers HT20/HT40, due to same modulation. The power setting for 802.11n HT20 and HT40 are the same or lower than 802.11ac VHT20 and VHT40.
- (6) The RF Output Power of the Beamforming mode will be lower than that of the Non Beamforming mode. Only Non Beamforming mode will be evaluated and recorded in the report.
- (7) For radiated spurious emissions below 1 GHz test, PoE Supply and Adapter Supply are evaluated, the worst case is Adapter Supply and recorded.
- (8) For radiated emission above 1 GHz test, the polarization of Vertical and Horizontal are evaluated, the worst case is Horizontal and recorded.

3.3 PARAMETERS OF TEST SOFTWARE

UNII-1			
Test Software Version	QRCT		
Frequency (MHz)	5180	5200	5240
IEEE 802.11a	19	21.5	21
IEEE 802.11ac(VHT20)	19	22	21.5
Frequency (MHz)	5190	5230	
IEEE 802.11ac(VHT40)	17.5	21.5	
Frequency (MHz)	5210		
IEEE 802.11ac(VHT80)	15		

UNII-3			
Test Software Version	QRCT		
Frequency (MHz)	5745	5785	5825
IEEE 802.11a	24	24	24
IEEE 802.11ac(VHT20)	24	24	24
Frequency (MHz)	5755	5795	
IEEE 802.11ac(VHT40)	24	24	
Frequency (MHz)	5775		
IEEE 802.11ac(VHT80)	19.5		

3.4 DUTY CYCLE

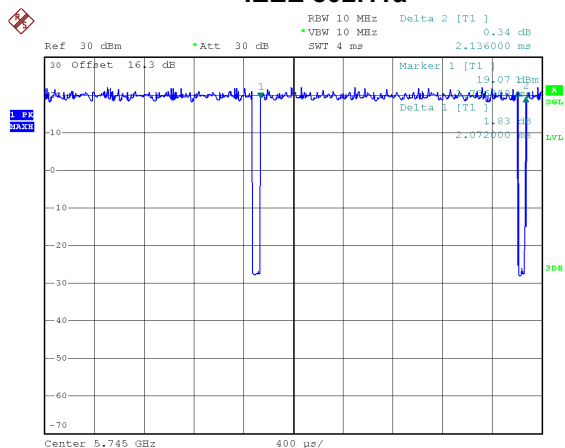
If duty cycle is $\geq 98\%$, duty factor is not required.

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.

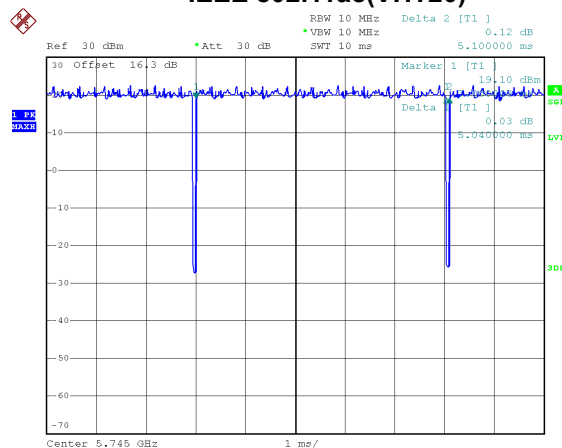
IEEE 802.11a



Date: 19.MAR.2025 03:39:59

Duty cycle = $2.072 \text{ ms} / 2.136 \text{ ms} = 97.00\%$
Duty Factor = $10 \log(1 / \text{Duty cycle}) = 0.13$

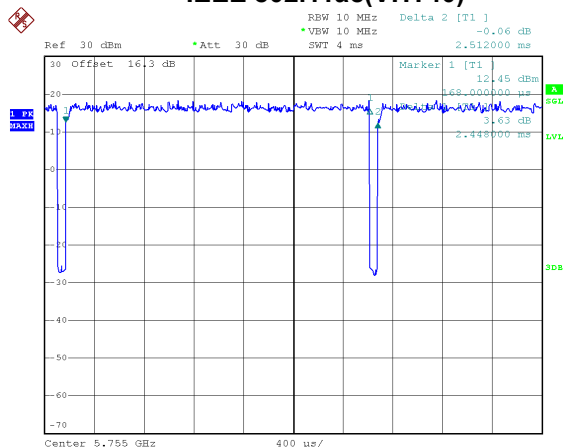
IEEE 802.11ac(VHT20)



Date: 19.MAR.2025 03:45:24

Duty cycle = $5.040 \text{ ms} / 5.100 \text{ ms} = 98.82\%$
Duty Factor = $10 \log(1 / \text{Duty cycle}) = 0.00$

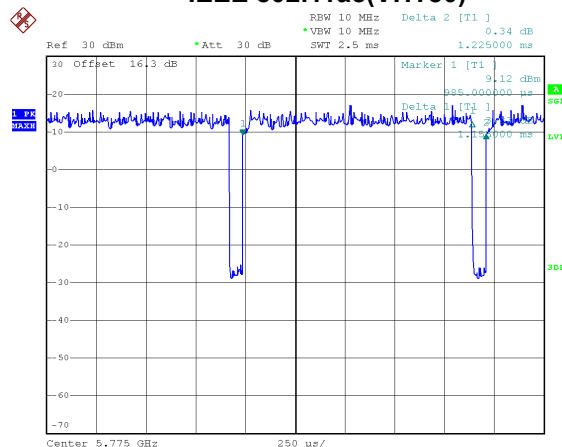
IEEE 802.11ac(VHT40)



Date: 19.MAR.2025 03:46:21

Duty cycle = $2.448 \text{ ms} / 2.512 \text{ ms} = 97.45\%$
Duty Factor = $10 \log(1 / \text{Duty cycle}) = 0.11$

IEEE 802.11ac(VHT80)



Date: 19.MAR.2025 03:46:56

Duty cycle = $1.155 \text{ ms} / 1.225 \text{ ms} = 94.29\%$
Duty Factor = $10 \log(1 / \text{Duty cycle}) = 0.26$

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 483 Hz (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 1 kHz (Duty cycle $\geq$ 98%).

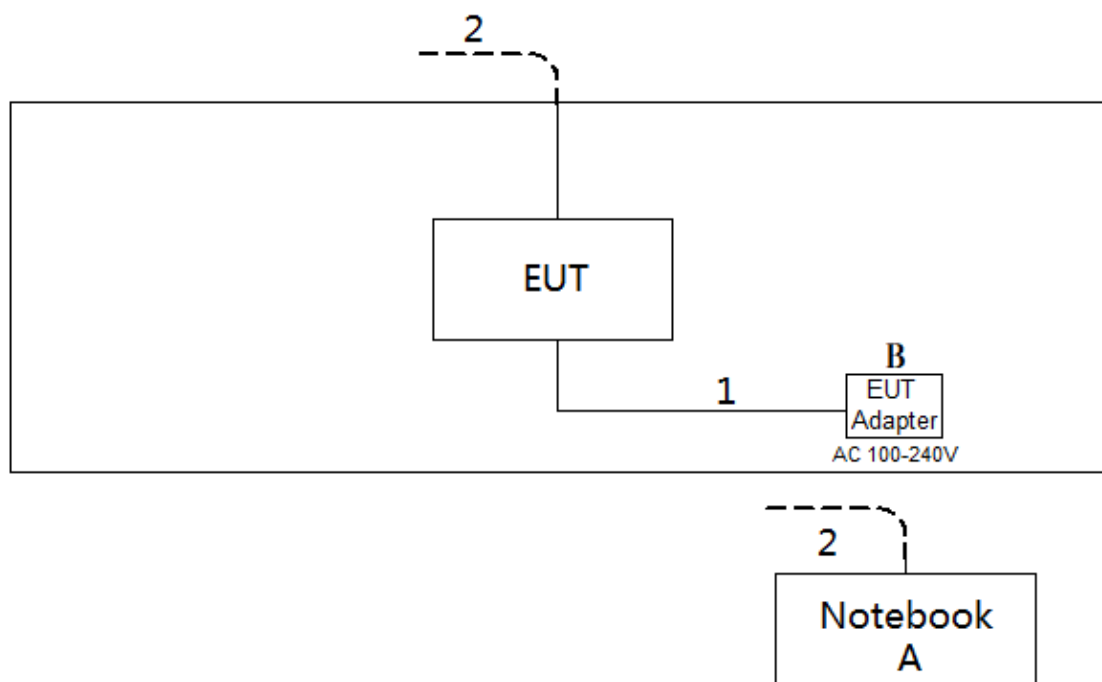
For IEEE 802.11ac(VHT40):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 408 Hz (Duty cycle < 98%).

For IEEE 802.11ac(VHT80):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 866 Hz (Duty cycle < 98%).

3.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



3.6 SUPPORT UNITS

Item	Equipment	Brand	Model No.	Series No.
A	Notebook	Honor	14SER5 3500	N/A
B	Adapter	TP-LINK	N/A	N/A

Item	Cable Type	Shielded Type	Ferrite Core	Length
1	DC Cable	NO	NO	1.5m
2	RJ45 Cable	NO	NO	10m

3.7 CUSTOMER INFORMATION DESCRIPTION

- 1) The antenna gain and beamforming gain are provided by the manufacturer.
- 2) Except for AC power line conducted emissions and radiated emissions, the results of all test items include cable losses. Part of the cable losses (1dB) are provided by the manufacturer, while the other parts of the 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.

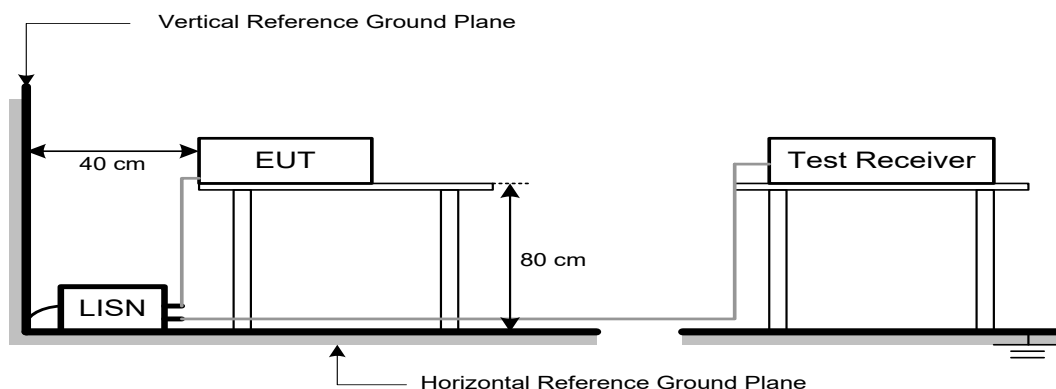
The following table is the setting of the receiver:

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)
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 (eirp) to field strength:

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

- (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)

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

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

FS_{limit} : Harmonic at 3m Peak and Average limit.

FS_{max} : Harmonic at 1m Peak and Average Maximum value.

d_{limit} : Harmonic at 3m test distance.

d_{measure} : Harmonic Actual test distance.

5.2 TEST PROCEDURE

- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- b. The measuring distance of 3 m 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)
- c. 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.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights find the maximum reading (used Bore sight function).
- e. The receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz.
- f. The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- g. All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.
(below 1 GHz)
- h. All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn't perform. (above 1 GHz)
- i. 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

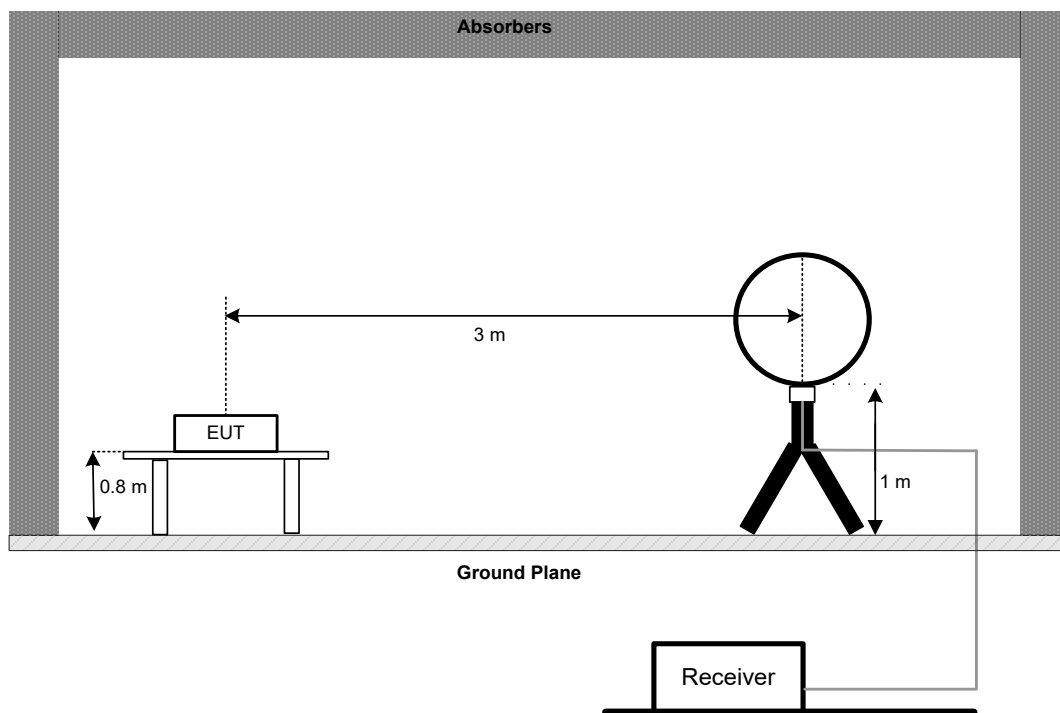
Receiver Parameters	Setting
Start ~ Stop Frequency	9 kHz~90 kHz for PK/AVG detector
Start ~ Stop Frequency	90 kHz~110 kHz for QP detector
Start ~ Stop Frequency	110 kHz~490 kHz for PK/AVG detector
Start ~ Stop Frequency	490 kHz~30 MHz for QP detector
Start ~ Stop Frequency	30 MHz~1000 MHz for QP detector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

5.3 DEVIATION FROM TEST STANDARD

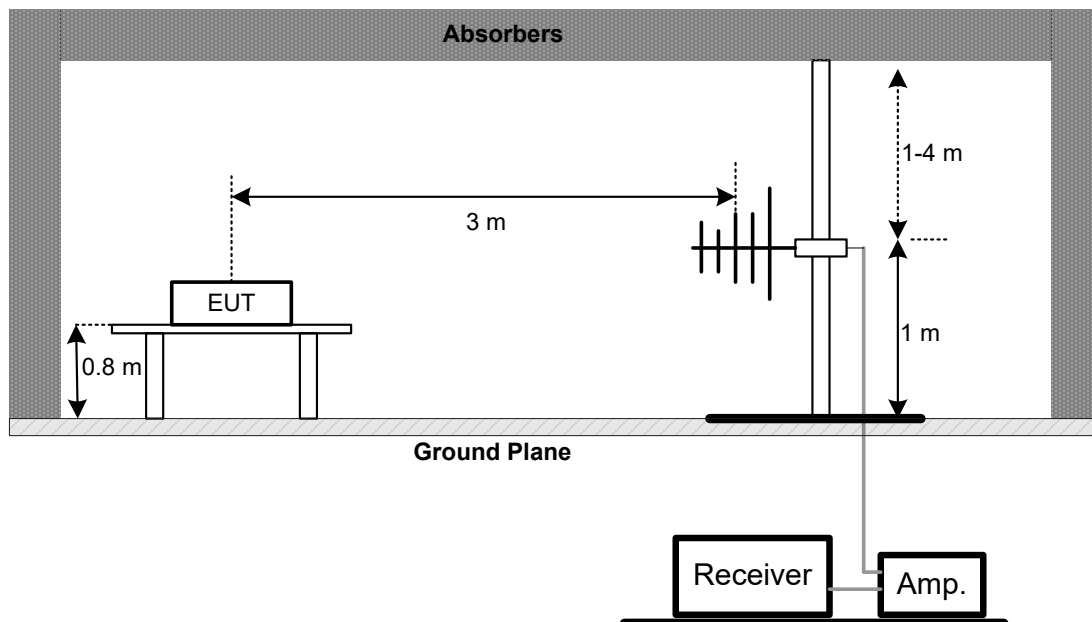
No deviation.

5.4 TEST SETUP

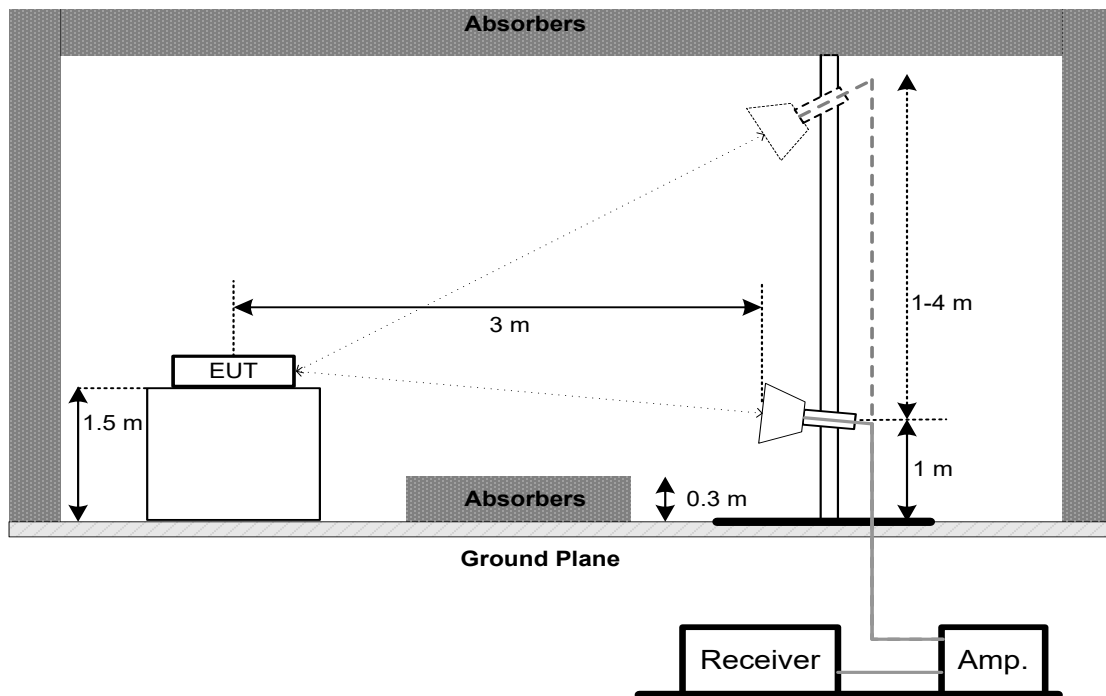
9 kHz to 30 MHz



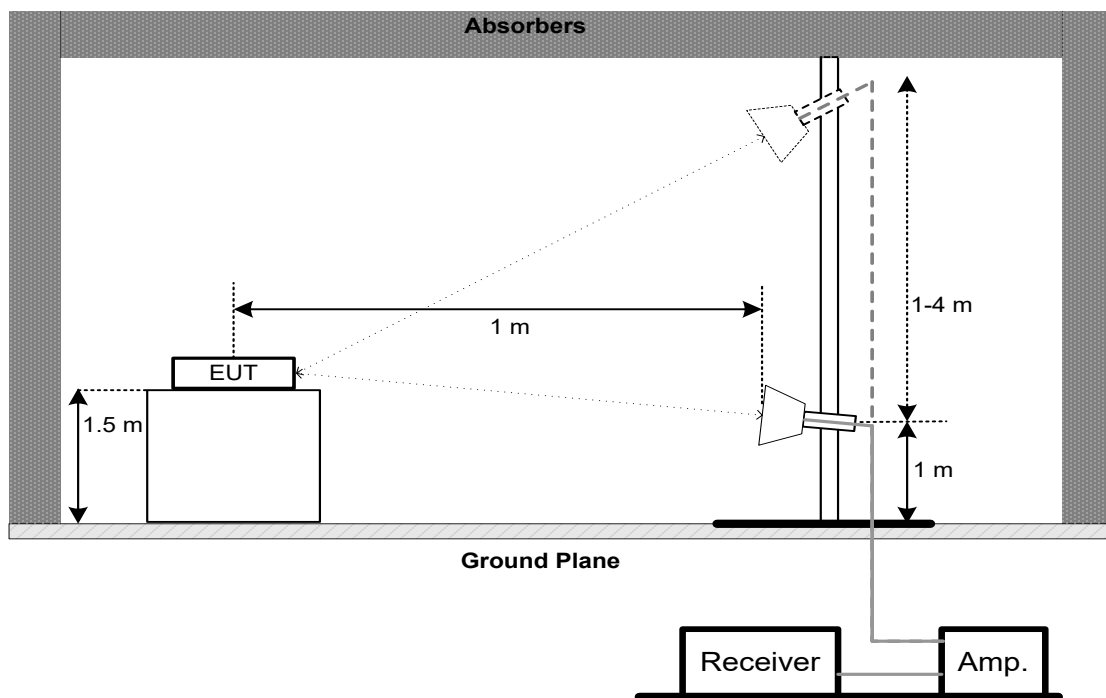
30 MHz to 1 GHz



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)	26 dB Bandwidth	-	5150-5250
FCC 15.407(e)	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:

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:

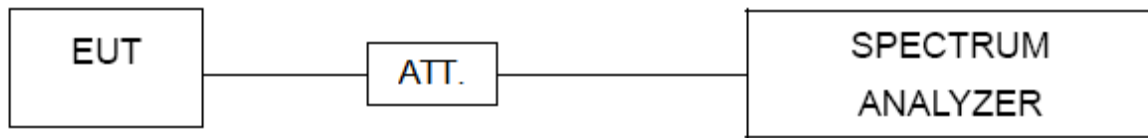
Spectrum Parameter	Setting
Span Frequency	1.5 times to 5 times the OBW
RBW	1% to 5% of the OBW
VBW	$\geq 3 \times \text{RBW}$
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

- 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
		1 Watt (30dBm)	5725-5850

Note:

- a. For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 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. 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).

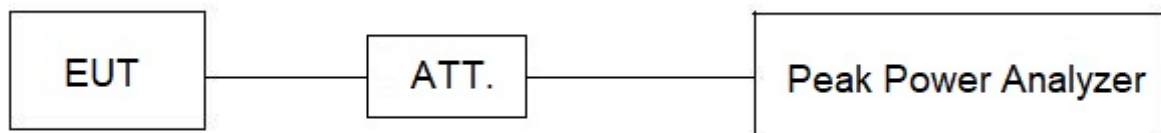
7.2 TEST PROCEDURE

- a. The EUT was directly connected to the peak power analyzer and antenna output port as show in the block diagram below.
- b. 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
		30 dBm/500 kHz	5725-5850

8.2 TEST PROCEDURE

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

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

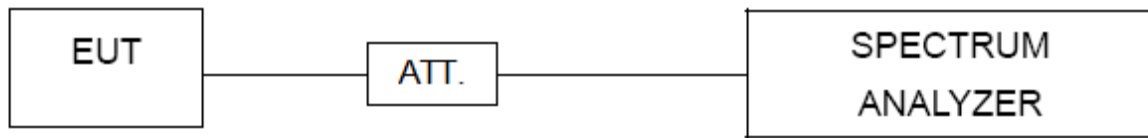
Note:

- 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 16.3 dB, and the final offset is $16.3 + 7 = 23.3\text{dB}$ 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. FREQUENCY STABILITY

9.1 LIMIT

Section	Test Item	Limit	Frequency Range (MHz)
FCC 15.407(g)	Frequency Stability	An emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual.	5150-5250
			5725-5850

9.2 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
Span Frequency	Entire absence of modulation emissions bandwidth
RBW	10 kHz
VBW	10 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

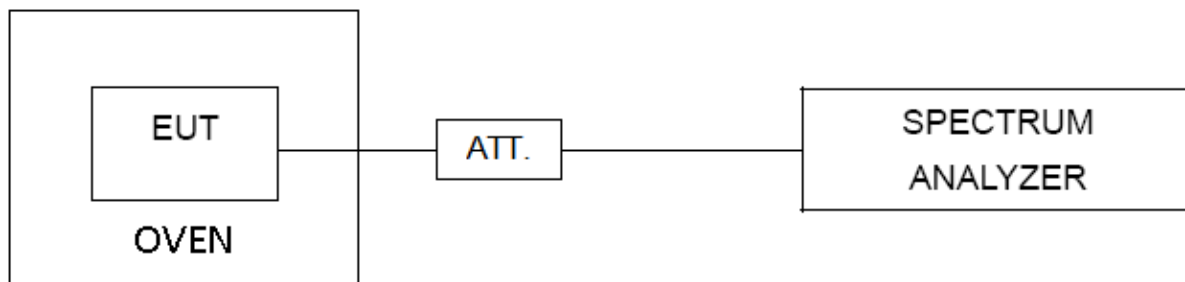
c. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.

d. User manual temperature is -40°C~-70°C.

9.3 DEVIATION FROM STANDARD

No deviation.

9.4 TEST SETUP



9.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

9.6 TEST RESULTS

Please refer to the APPENDIX H.

10. MEASUREMENT INSTRUMENTS LIST

AC Power Line Conducted Emissions					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	EMI TEST RECEIVER	R&S	ESCI	100382	Dec. 06, 2025
2	TWO-LINE V-NETWORK	R&S	ENV216	101447	Dec. 06, 2025
3	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
4	Cable	N/A	SFT205-NMNM-9M-001	9M	Nov. 11, 2025
5	643 Shield Room	ETS	6*4*3	N/A	N/A

Radiated Emissions - 9 kHz to 30 MHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Active Loop Antenna	Schwarzbeck	FMZB 1513-60B	1513-60 B-034	Mar. 30, 2025
2	MXE EMI Receiver	Keysight	N9038A	MY56400091	Dec. 06, 2025
3	Cable	N/A	RW4950-3.8A-NMS M-1.5	N/A	Nov. 12, 2025
4	Cable	N/A	LMR400-NMNM-8 M	N/A	Nov. 12, 2025
5	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
6	966 Chamber room	ETS	9*6*6	N/A	May 16, 2025

Radiated Emissions - 30 MHz to 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Trilog-Broadband Antenna	Schwarzbeck	VULB 9168	1587	Apr. 25, 2025
2	Attenuator	EMC INSTRUMENT	EMCI-N-6-06	AT-06010	Apr. 25, 2025
3	Preamplifier	EMC INSTRUMENT	EMC001330	980865	Oct. 29, 2025
4	Cable	RegalWay	LMR400-NMNM-2.5m	N/A	Jan. 07, 2026
5	Cable	RegalWay	LMR400-NMNM-7 m	N/A	Jan. 07, 2026
6	Cable	RegalWay	LMR400-NMNM-3 m	N/A	Jan. 07, 2026
7	Receiver	Agilent	N9038A	MY52130039	Jan. 10, 2026
8	Multi-Device Controller	ETS-Lindgren	N/A	N/A	N/A
9	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
10	966 Chamber room	ETS	9*6*6	N/A	Jan. 02, 2026

Radiated Emissions - 1 GHz to 18 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Multi-Device Controller	ETS-Lindgren	N/A	N/A	N/A
2	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
3	MXA Signal Analyzer	KEYSIGHT	N9020B	MY63430227	Oct. 29, 2025
4	Cable	RegalWay	RWLP50-4.0A-SMS M-1.3M	N/A	Jan. 07, 2026
5	Cable	RegalWay	RWLP50-2.6A-3.5 M2.92MRA-3M	N/A	Jan. 07, 2026
6	Cable	RegalWay	RWLP50-4.0A-SMS M-9M	N/A	Jan. 07, 2026
7	966 Chamber room	ETS	RFD-100 (SVSWR)	Q2179	Jan. 70, 2026
8	Double Ridged Horn Antenna	EMC INSTRUMENT	DRH18-E	210509A18ES	Aug. 28, 2025
9	Preamplifier	EMC INSTRUMENT	EMC118A45SE	981001	May 31, 2025
10	Attenuator	Talent Microwave	TA10A2-S-18	N/A	N/A
11	Filter	STI	STI15-9969	N/A	Oct. 29, 2025

Radiated Emissions - Above 18 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	MXA Signal Analyzer	KEYSIGHT	N9020B	MY63430227	Oct. 29, 2025
2	Multi-Device Controller	ETS-Lindgren	N/A	N/A	N/A
3	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
4	MXA Signal Analyzer	KEYSIGHT	N9020B	MY63430227	Oct. 29, 2025
5	966 Chamber room	ETS	RFD-100 (SVSWR)	Q2179	Jan. 07, 2026
6	Cable	RegalWay	RWLP50-2.6A-2.92 M2.92M-2M	N/A	Jan. 07, 2026
7	Cable	RegalWay	RWLP50-2.6A-3.5 M2.92MMRA-6M	N/A	Jan. 07, 2026
8	Broad-Band Horn Antenna	Schwarzbeck	BBHA9170	1227	Oct. 20, 2025
9	Preamplifier	EMC INSTRUMENT	EMC184045SE	980905	Oct. 29, 2025

Bandwidth & Power Spectral Density					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100185	May 31, 2025
2	Measurement Software	BTL	BTL Conducted Test	N/A	N/A
3	Isolation attenuator	Z-Link	ASMA-16-18-2W	N/A	N/A
4	EXA Spectrum Analyzer	Keysight	N9010A	MY55150209	Aug. 20, 2025

Bandwidth For test date: Jun. 26, 2025					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	FSV Signal & Spectrum Analyzer	R&S	FSV3044	101682	Oct. 17, 2025
2	CTA	BTL	CTA	N/A	N/A
3	Isolation attenuator	Z-Link	ASMA-16-18-2W	N/A	N/A

Maximum Output Power					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Peak Power Analyzer	Keysight	8990B	MY51000506	May 31, 2025
2	Wideband power sensor	Keysight	N1923A	MY58310004	May 31, 2025
3	Isolation attenuator	Z-Link	ASMA-10-18-2W	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.

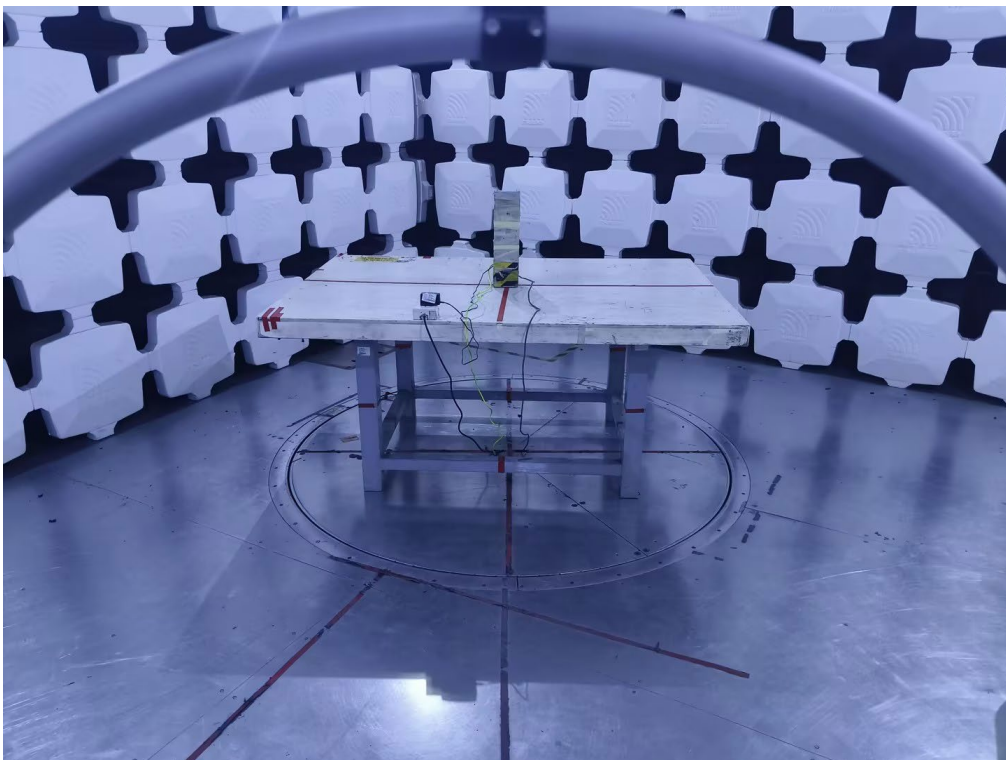
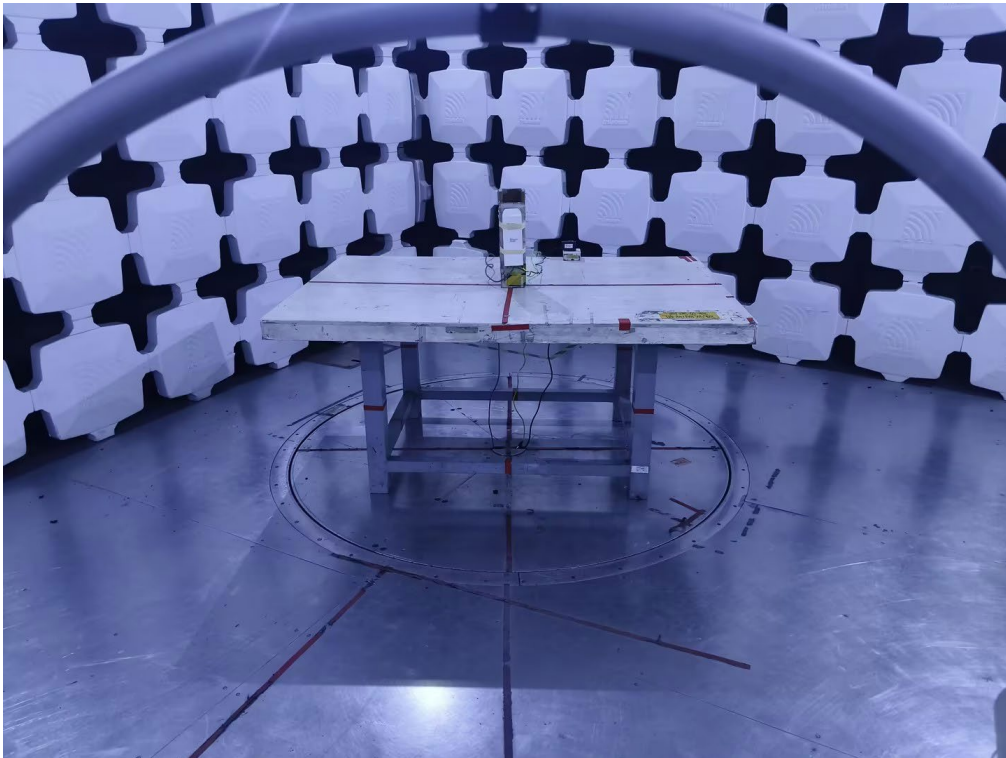
11. EUT TEST PHOTOS

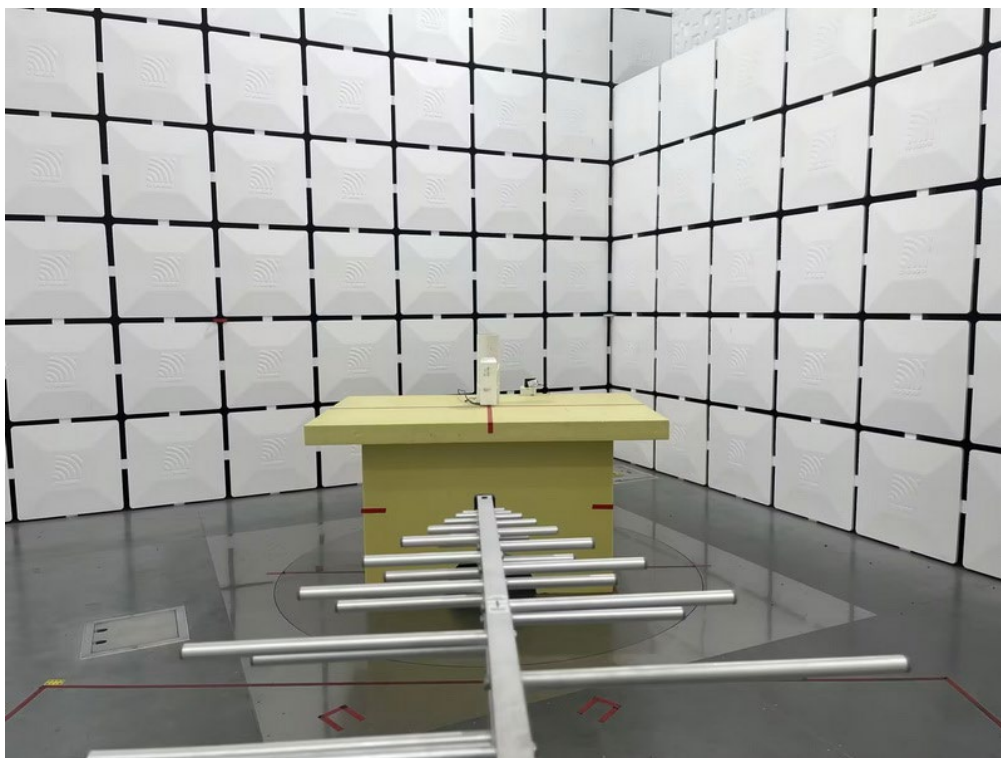
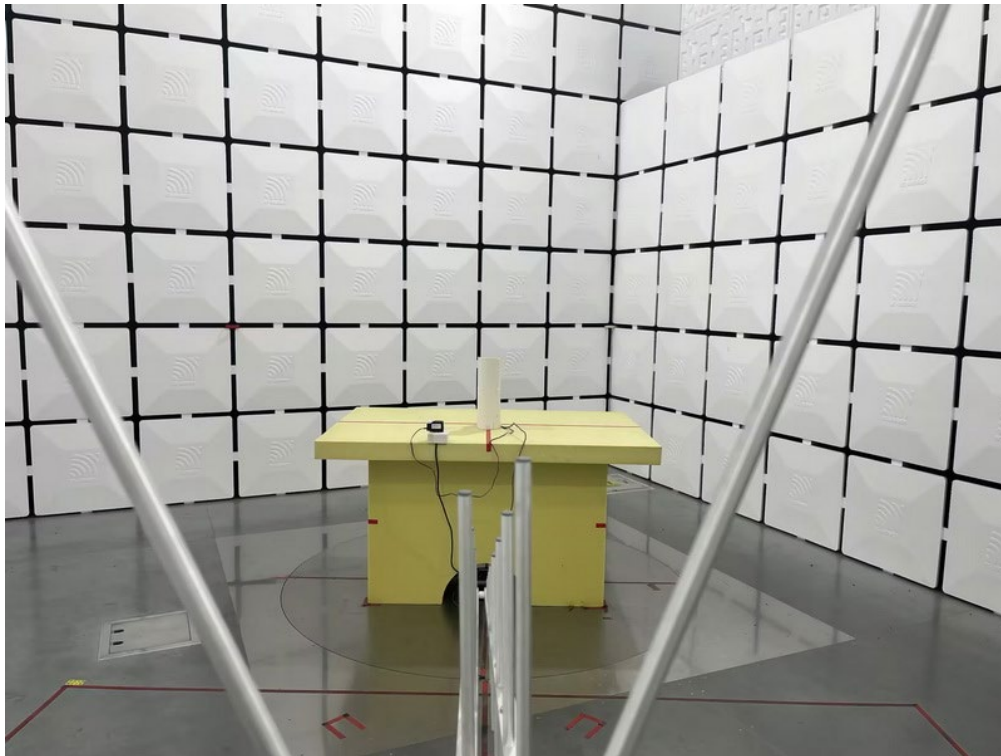
AC Power Line Conducted Emissions Test Photos



Radiated Emissions Test Photos

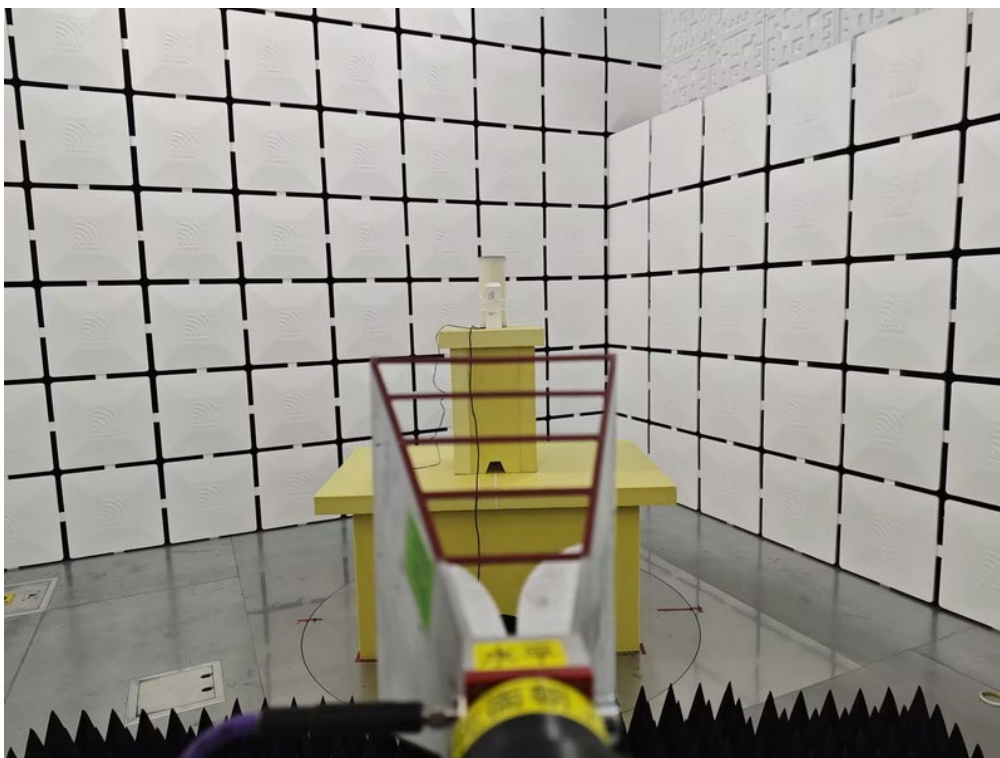
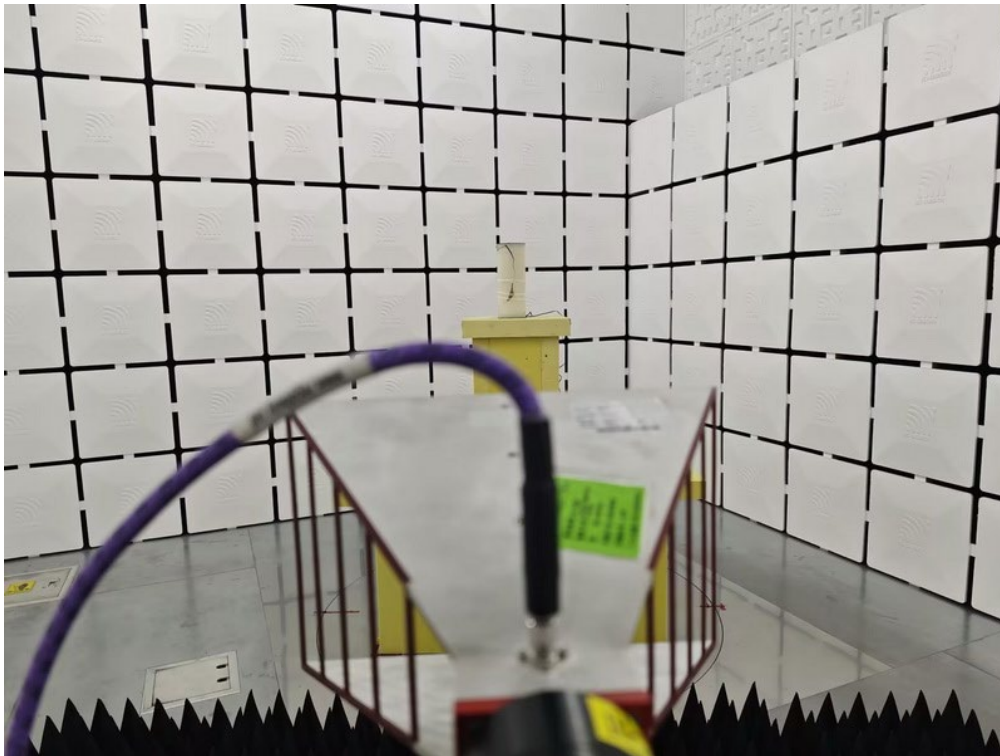
9 kHz to 30 MHz

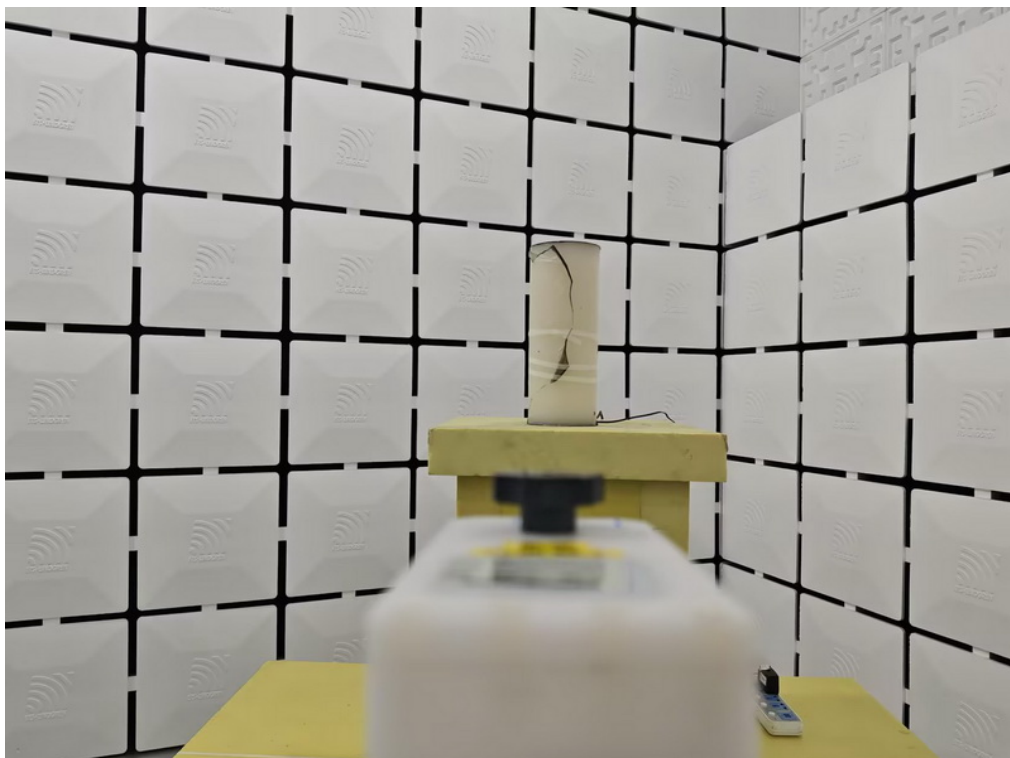
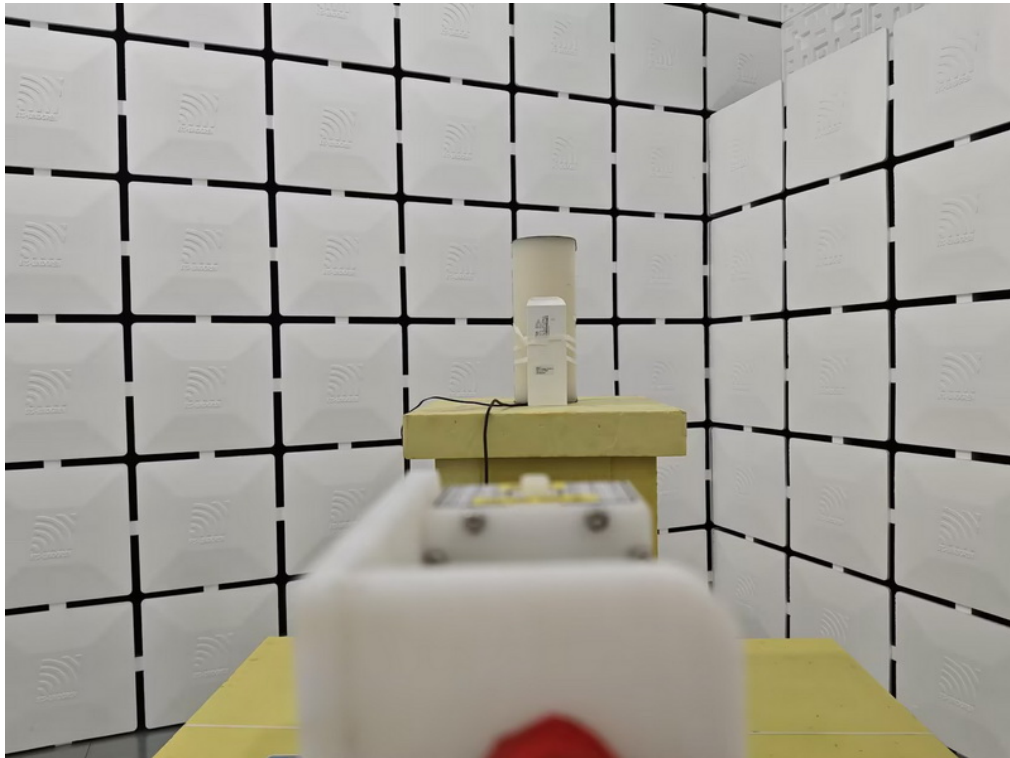


Radiated Emissions Test Photos**30 MHz to 1 GHz**

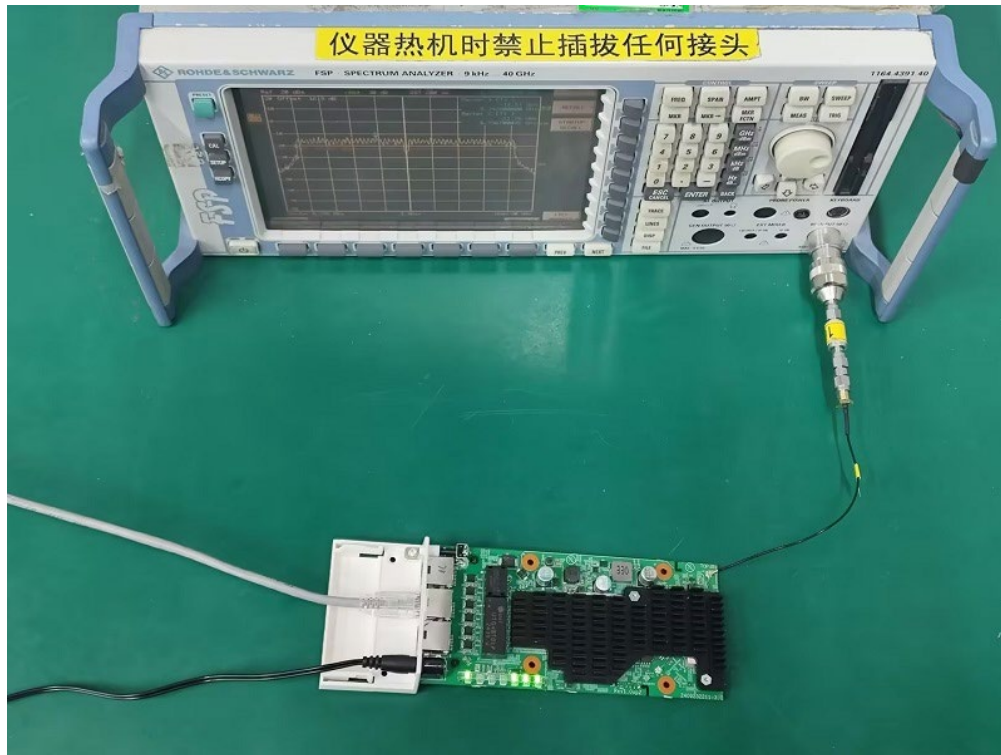
Radiated Emissions Test Photos

Band edge & Harmonic(1 GHz to 18 GHz)



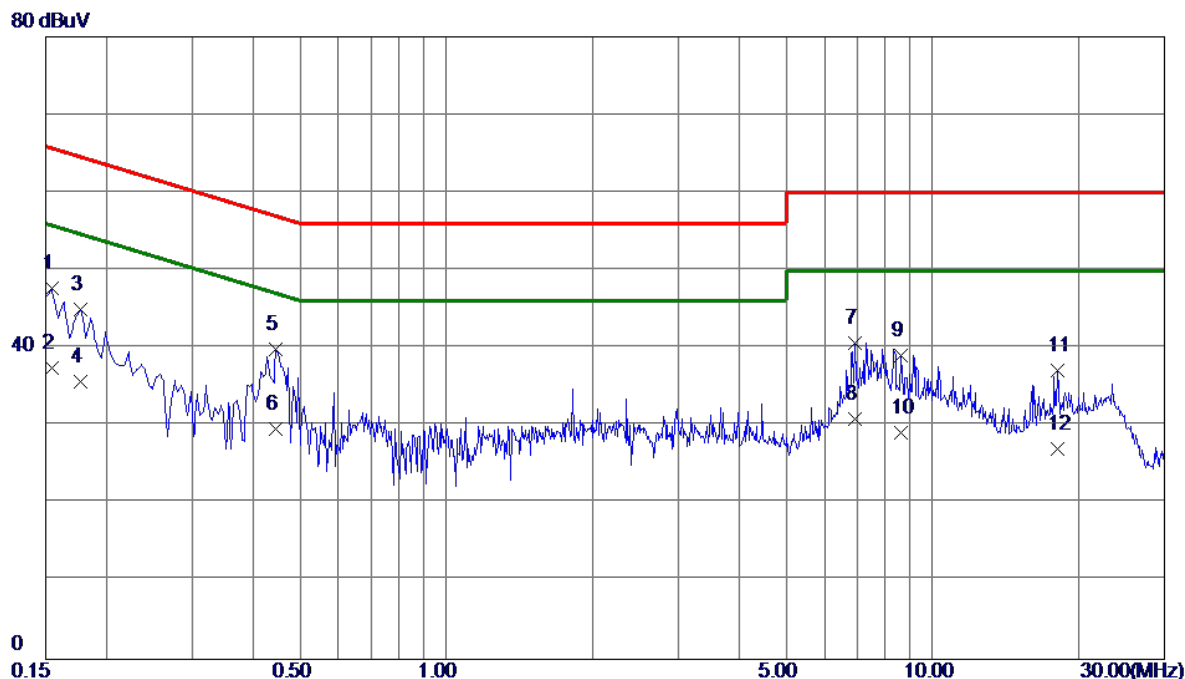
Radiated Emissions Test Photos**Harmonic(Above 18 GHz)**

Conducted Test Photos



APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

Test Mode	TX A Mode Channel 149 (UNII-3)	Phase	Line
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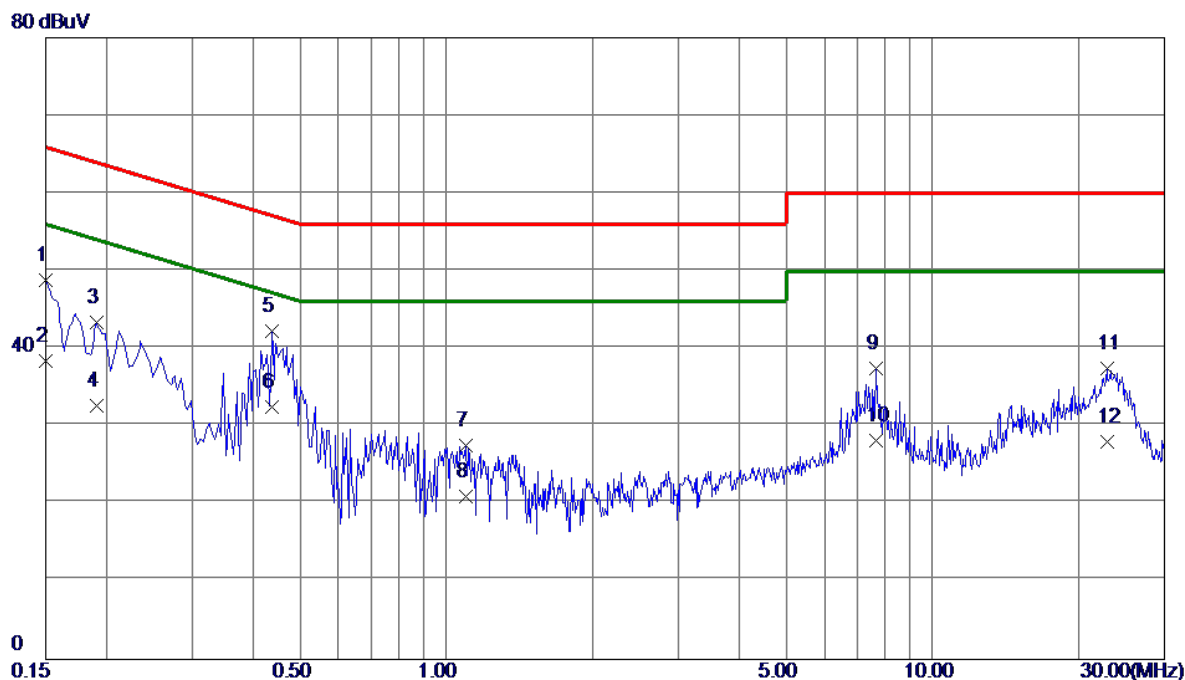


No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1545	37.78	9.90	47.68	65.75	-18.07	QP	
2	0.1545	27.51	9.90	37.41	55.75	-18.34	AVG	
3	0.1770	35.09	9.92	45.01	64.63	-19.62	QP	
4	0.1770	25.80	9.92	35.72	54.63	-18.91	AVG	
5 *	0.4470	29.94	9.95	39.89	56.93	-17.04	QP	
6	0.4470	19.59	9.95	29.54	46.93	-17.39	AVG	
7	6.9225	29.50	11.13	40.63	60.00	-19.37	QP	
8	6.9225	19.79	11.13	30.92	50.00	-19.08	AVG	
9	8.5920	27.50	11.58	39.08	60.00	-20.92	QP	
10	8.5920	17.61	11.58	29.19	50.00	-20.81	AVG	
11	18.0869	22.45	14.60	37.05	60.00	-22.95	QP	
12	18.0869	12.41	14.60	27.01	50.00	-22.99	AVG	

REMARKS:

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

Test Mode	TX A Mode Channel 149 (UNII-3)	Phase	Neutral
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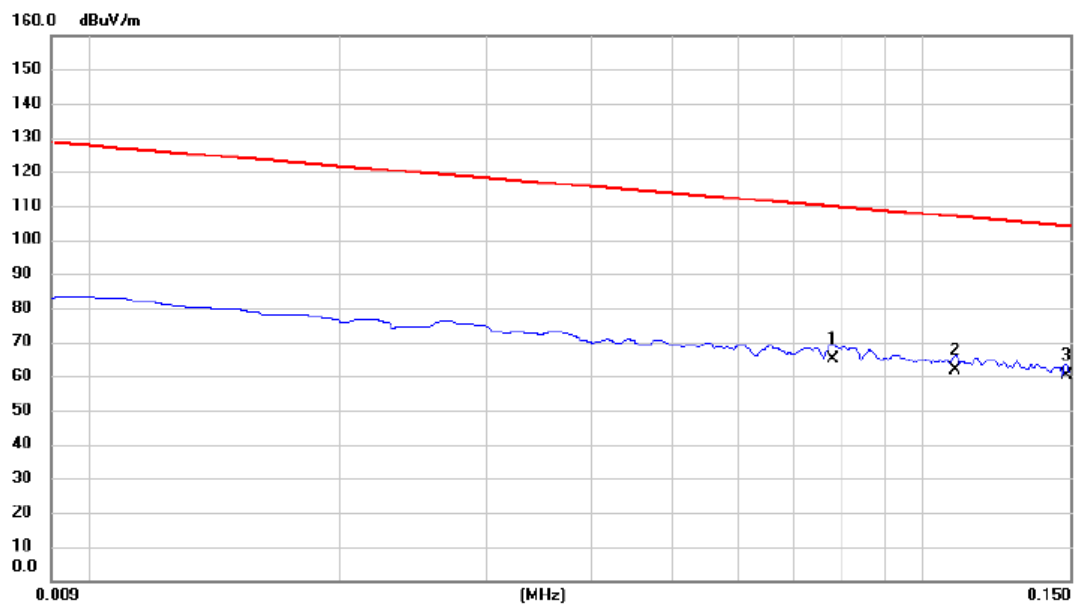
No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1500	38.83	9.97	48.80	66.00	-17.20	QP	
2	0.1500	28.40	9.97	38.37	56.00	-17.63	AVG	
3	0.1905	33.44	9.97	43.41	64.01	-20.60	QP	
4	0.1905	22.70	9.97	32.67	54.01	-21.34	AVG	
5	0.4380	32.28	10.02	42.30	57.10	-14.80	QP	
6 *	0.4380	22.49	10.02	32.51	47.10	-14.59	AVG	
7	1.0995	17.42	10.11	27.53	56.00	-28.47	QP	
8	1.0995	10.79	10.11	20.90	46.00	-25.10	AVG	
9	7.6515	26.11	11.33	37.44	60.00	-22.56	QP	
10	7.6515	16.90	11.33	28.23	50.00	-21.77	AVG	
11	22.8389	22.08	15.34	37.42	60.00	-22.58	QP	
12	22.8389	12.69	15.34	28.03	50.00	-21.97	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 149 (UNII-3)	Polarization	Ant 0°
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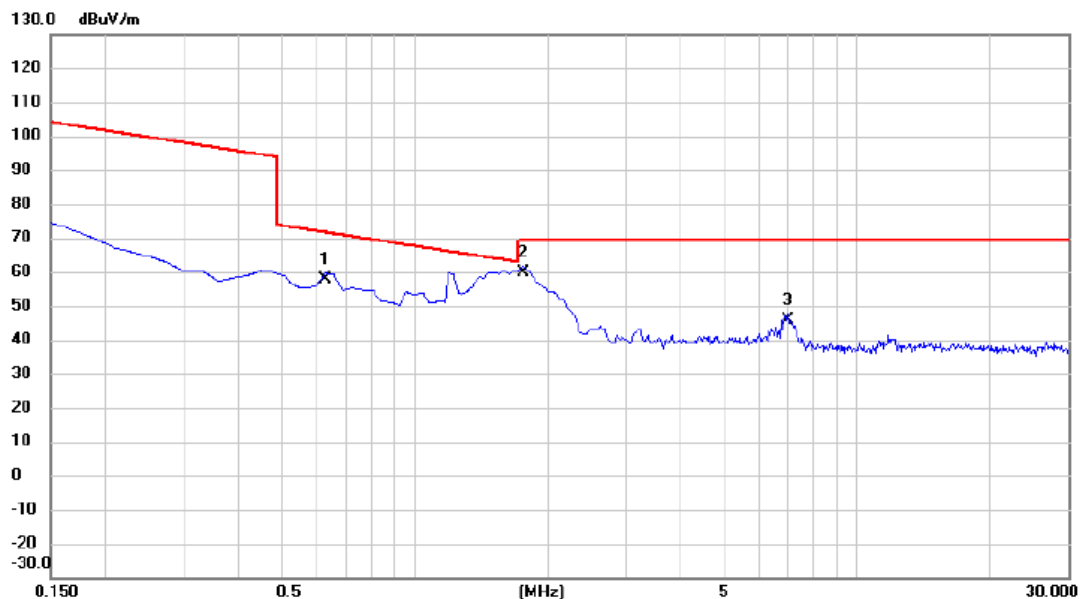


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.0780	43.65	21.33	64.98	109.76	-44.78	AVG	
2		0.1093	40.59	21.33	61.92	106.84	-44.92	QP	
3	*	0.1484	38.96	21.27	60.23	104.18	-43.95	AVG	

REMARKS:

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

Test Mode	TX A Mode Channel 149 (UNII-3)	Polarization	Ant 0°
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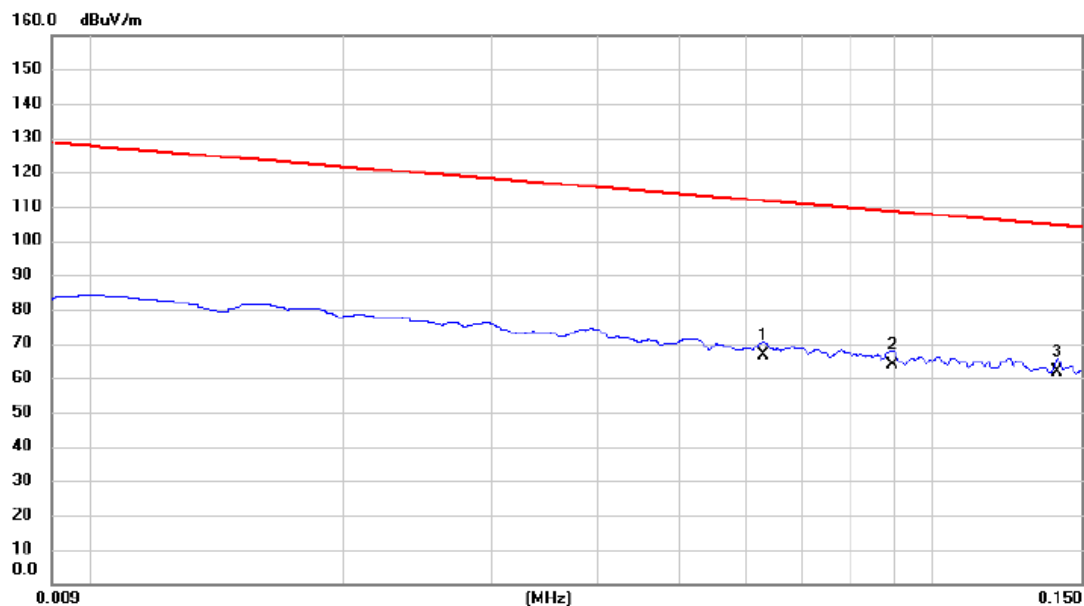


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.6276	36.54	21.10	57.64	71.65	-14.01	QP	
2	*	1.7620	38.62	21.13	59.75	69.54	-9.79	QP	
3		6.9558	24.75	21.13	45.88	69.54	-23.66	QP	

REMARKS:

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

Test Mode	TX A Mode Channel 149 (UNII-3)	Polarization	Ant 90°
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No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	0.0630	45.26	21.28	66.54	111.62	-45.08	AVG	
2	0.0894	42.35	21.34	63.69	108.58	-44.89	AVG	
3 *	0.1406	40.54	21.28	61.82	104.65	-42.83	AVG	

REMARKS:

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

Test Mode	TX A Mode Channel 149 (UNII-3)	Polarization	Ant 90°
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No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.5082	38.72	21.06	59.78	73.48	-13.70	QP	
2		1.2245	35.23	21.18	56.41	65.85	-9.44	QP	
3	*	1.6126	37.84	21.15	58.99	63.45	-4.46	QP	

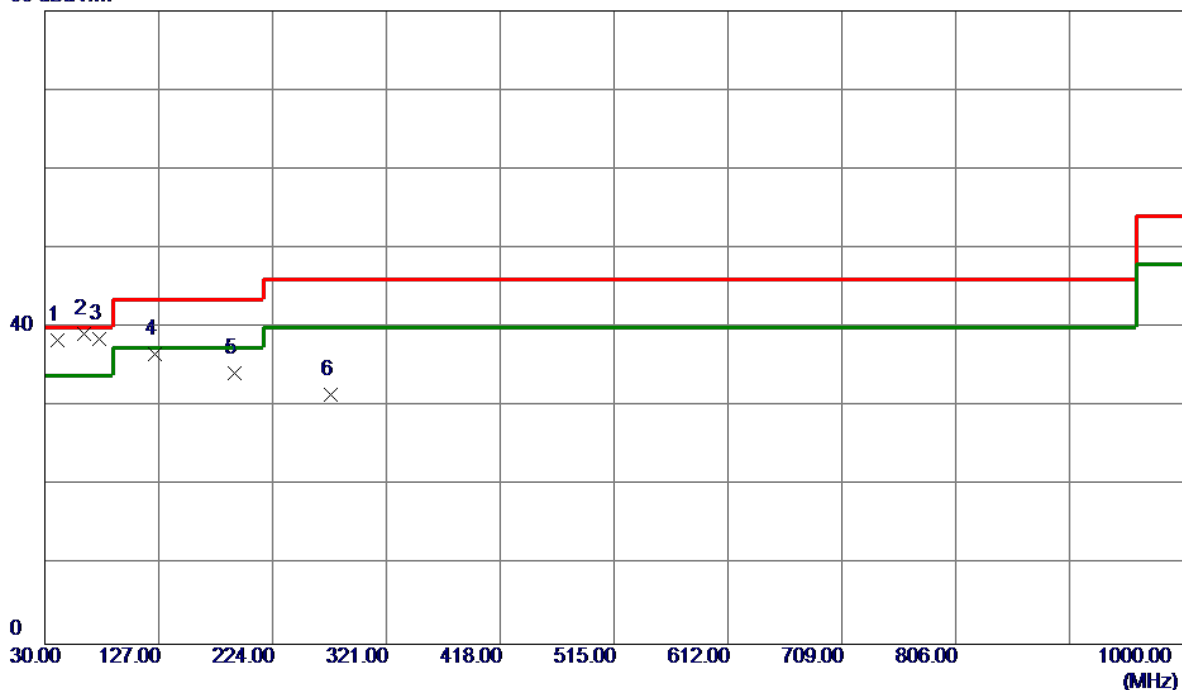
REMARKS:

- (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 149 (UNII-3)	Polarization	Vertical
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80 dBuV/m



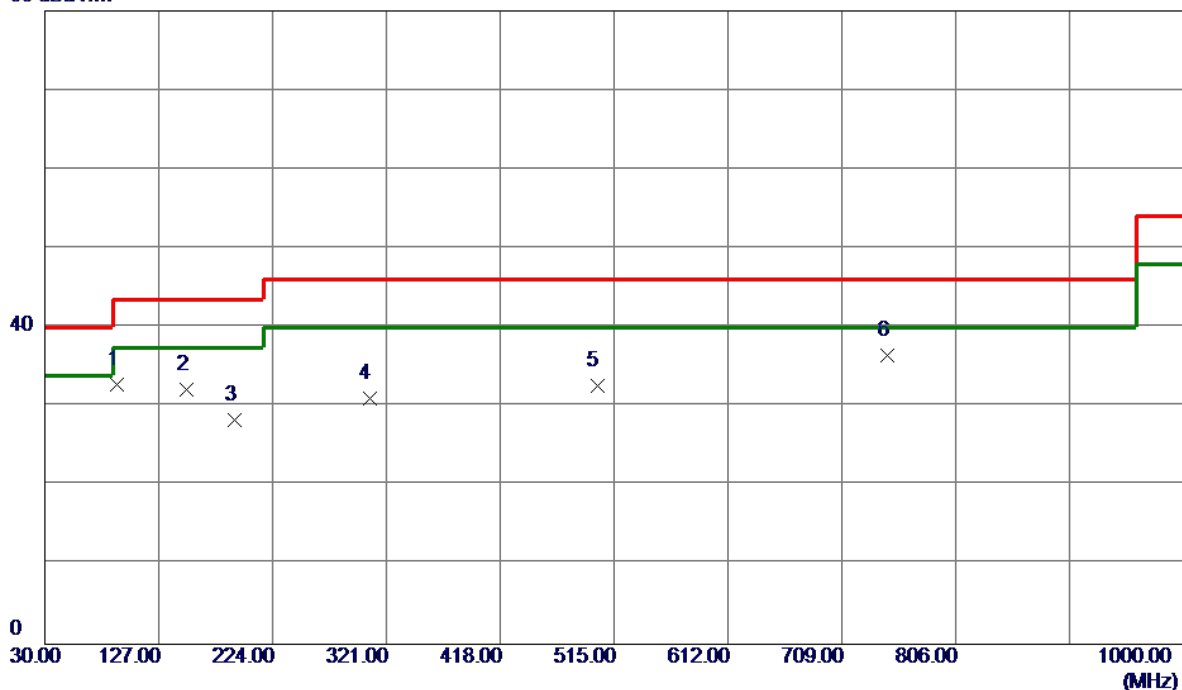
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	40.6699	50.34	-11.88	38.46	40.00	-1.54	QP	
2 *	62.9800	51.60	-12.39	39.21	40.00	-0.79	Peak	
3	76.5600	53.63	-15.03	38.60	40.00	-1.40	Peak	
4	124.0900	49.90	-13.23	36.67	43.50	-6.83	Peak	
5	191.9900	48.49	-14.19	34.30	43.50	-9.20	Peak	
6	273.4700	43.24	-11.74	31.50	46.00	-14.50	Peak	

REMARKS:

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

Test Mode	TX A Mode Channel 149 (UNII-3)	Polarization	Horizontal
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80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	91.1100	49.76	-17.02	32.74	43.50	-10.76	Peak	
2	150.2800	43.45	-11.32	32.13	43.50	-11.37	Peak	
3	191.9900	42.51	-14.19	28.32	43.50	-15.18	Peak	
4	306.4500	41.72	-10.68	31.04	46.00	-14.96	Peak	
5	500.4500	38.90	-6.23	32.67	46.00	-13.33	Peak	
6 *	747.8000	38.26	-1.82	36.44	46.00	-9.56	Peak	

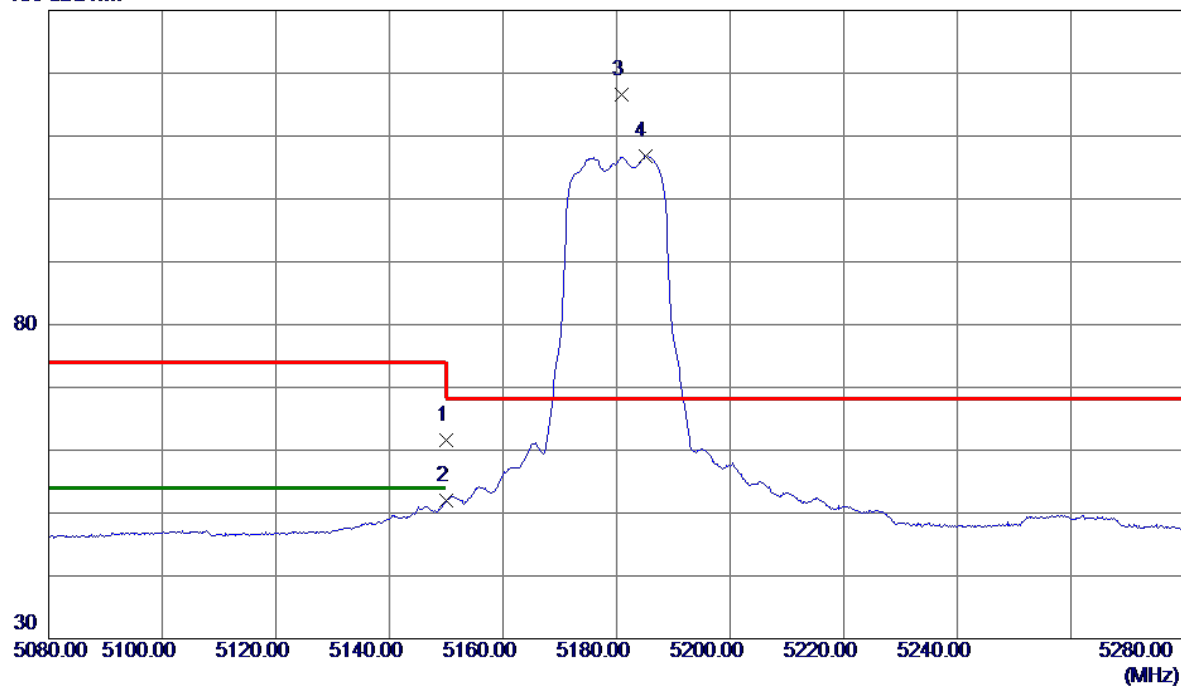
REMARKS:

- (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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130 dBuV/m



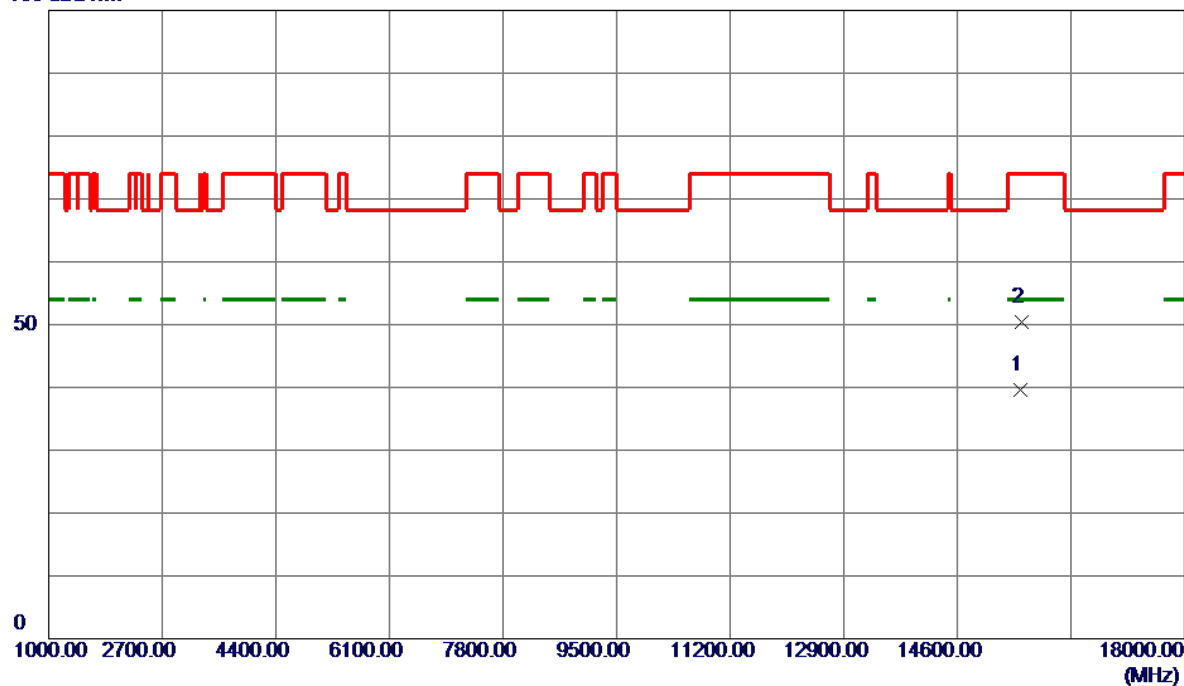
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	47.27	14.33	61.60	74.00	-12.40	Peak	
2	5150.0000	37.72	14.33	52.05	54.00	-1.95	AVG	
3 *	5180.8000	102.20	14.33	116.53	68.20	48.33	Peak	No Limit
4	5185.0000	92.44	14.33	106.77	999.00	-892.23	AVG	No Limit

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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100 dBuV/m



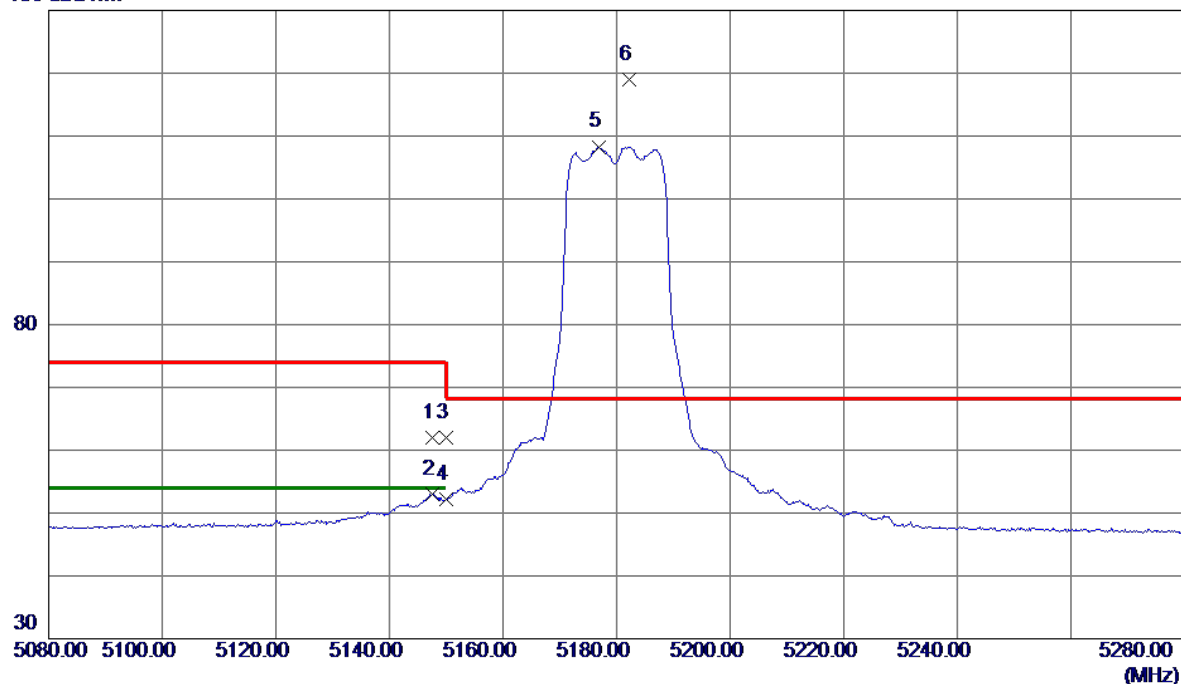
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	15537.0000	28.20	11.42	39.62	54.00	-14.38	AVG	
2	15557.8000	38.91	11.44	50.35	74.00	-23.65	Peak	

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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130 dBuV/m



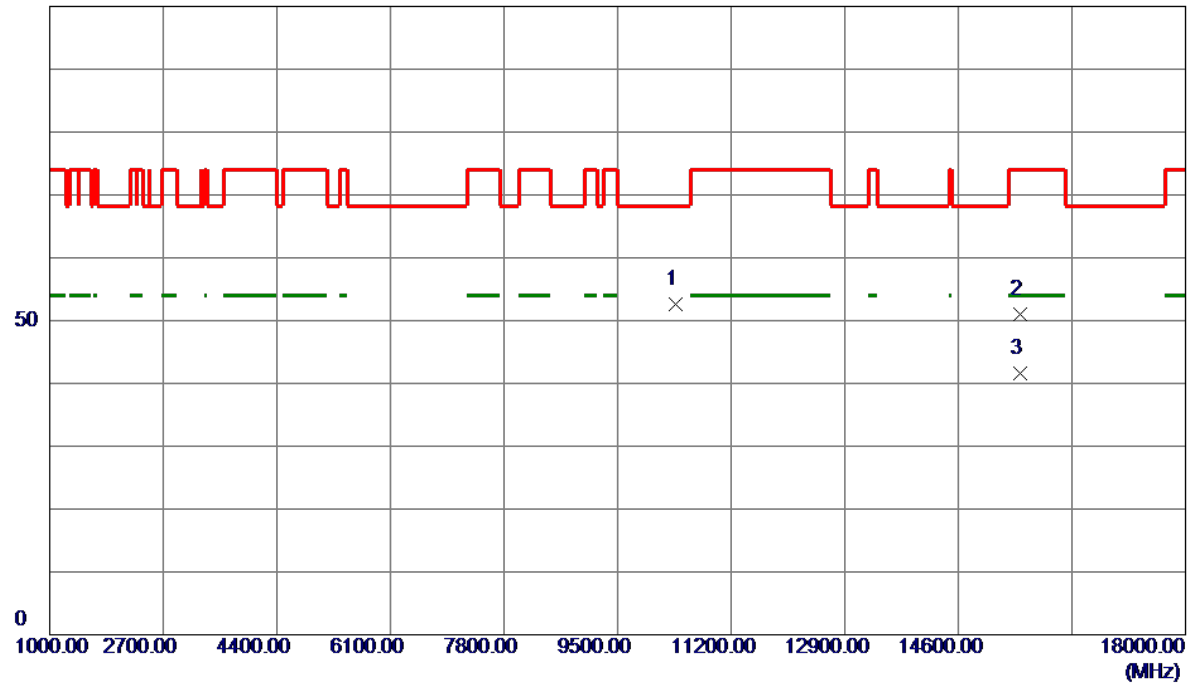
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5147.6000	47.64	14.33	61.97	74.00	-12.03	Peak	
2	5147.6000	38.65	14.33	52.98	54.00	-1.02	AVG	
3	5150.0000	47.74	14.33	62.07	74.00	-11.93	Peak	
4	5150.0000	37.80	14.33	52.13	54.00	-1.87	AVG	
5	5176.8000	93.97	14.33	108.30	999.00	-890.70	AVG	No Limit
6 *	5182.2000	104.58	14.33	118.91	68.20	50.71	Peak	No Limit

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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100 dBuV/m



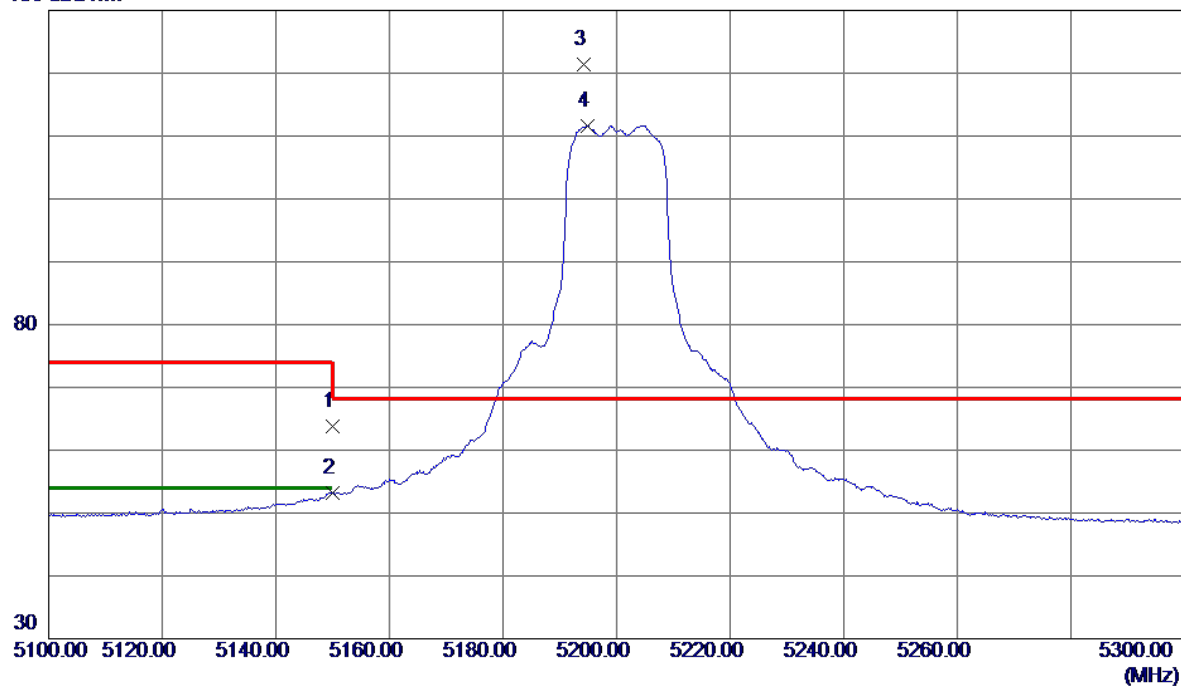
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10360.5500	41.72	10.86	52.58	68.20	-15.62	Peak	
2	15534.9000	39.61	11.42	51.03	74.00	-22.97	Peak	
3 *	15534.9000	30.12	11.42	41.54	54.00	-12.46	AVG	

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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130 dBuV/m



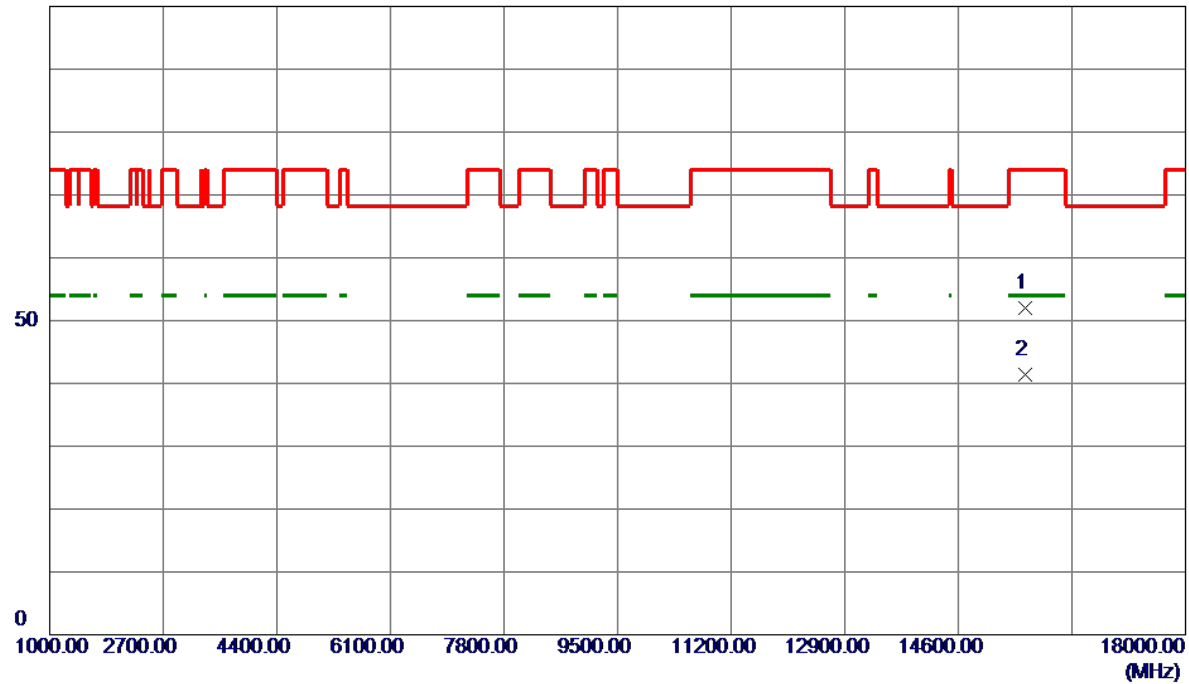
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	49.39	14.33	63.72	74.00	-10.28	Peak	
2	5150.0000	38.87	14.33	53.20	54.00	-0.80	AVG	
3 *	5194.2000	106.98	14.33	121.31	68.20	53.11	Peak	No Limit
4	5194.8000	97.33	14.33	111.66	999.00	-887.34	AVG	No Limit

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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100 dBuV/m



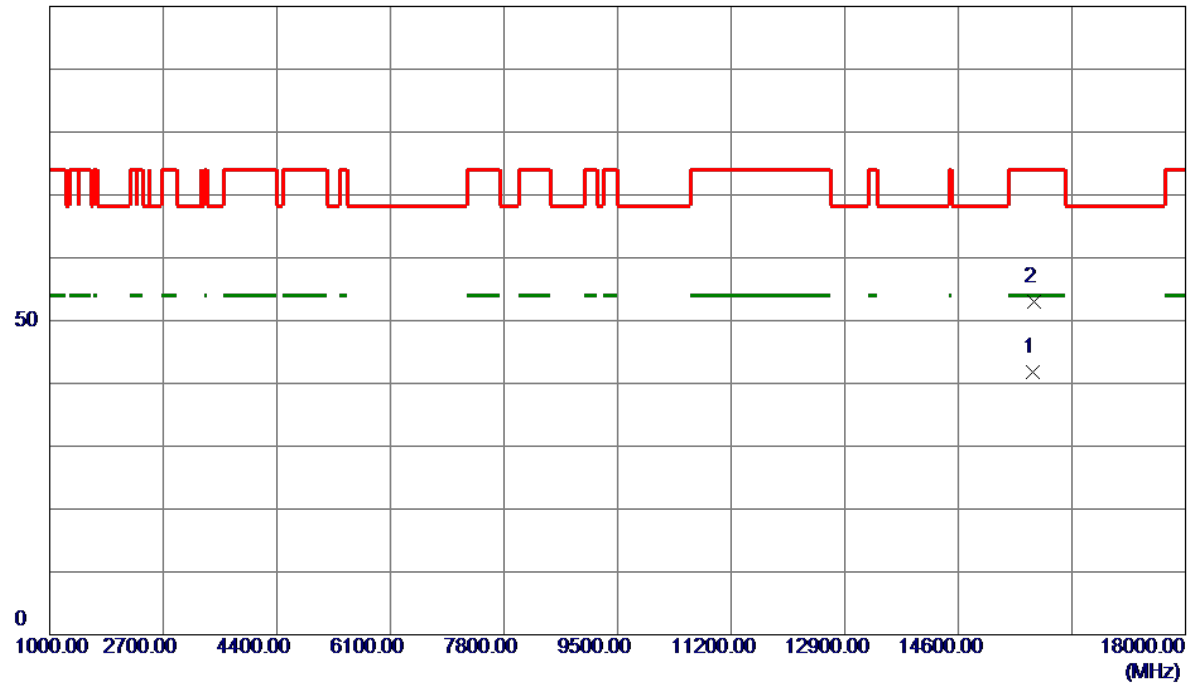
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	15600.5000	40.59	11.47	52.06	74.00	-21.94	Peak	
2 *	15600.6000	29.98	11.47	41.45	54.00	-12.55	AVG	

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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100 dBuV/m



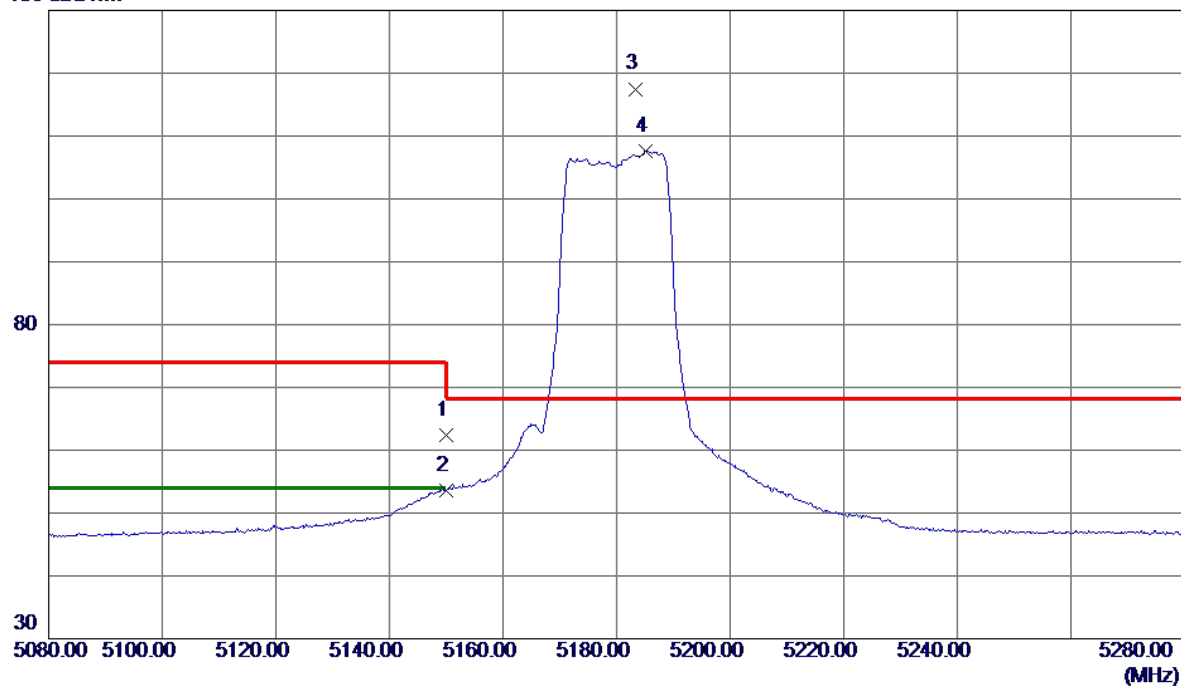
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	15720.5000	30.26	11.55	41.81	54.00	-12.19	AVG	
2	15725.9500	41.41	11.55	52.96	74.00	-21.04	Peak	

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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130 dBuV/m



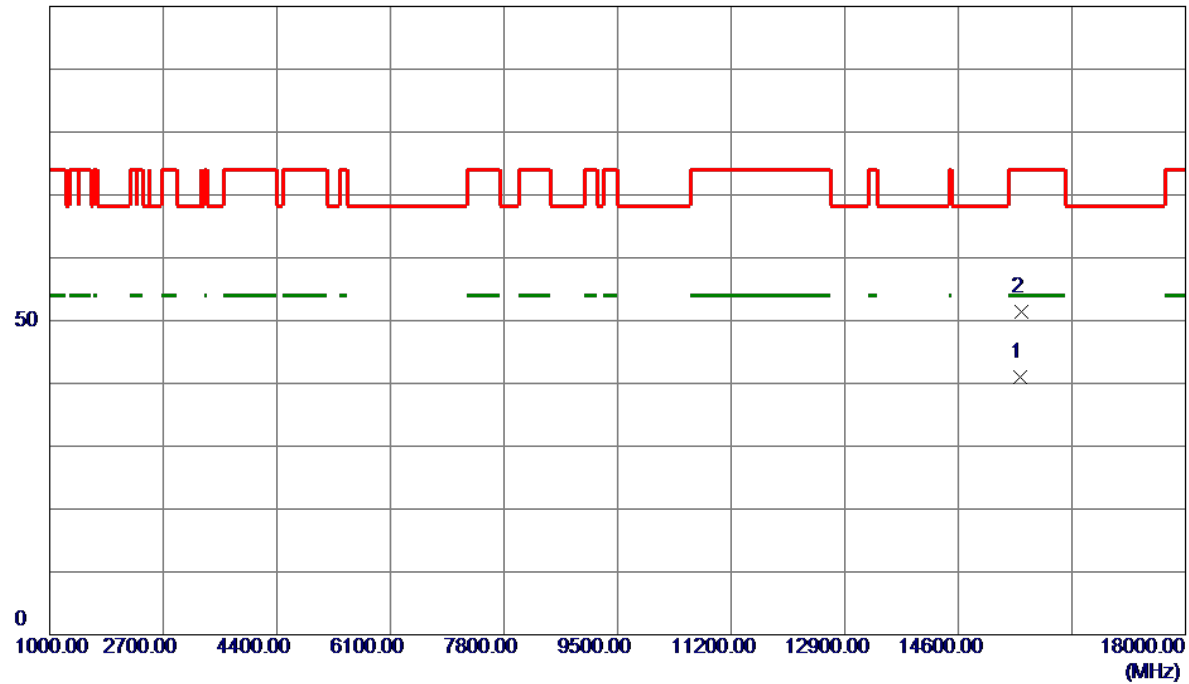
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	48.11	14.33	62.44	74.00	-11.56	Peak	
2	5150.0000	39.35	14.33	53.68	54.00	-0.32	AVG	
3 *	5183.4000	103.17	14.33	117.50	68.20	49.30	Peak	No Limit
4	5185.2000	93.33	14.33	107.66	999.00	-891.34	AVG	No Limit

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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100 dBuV/m



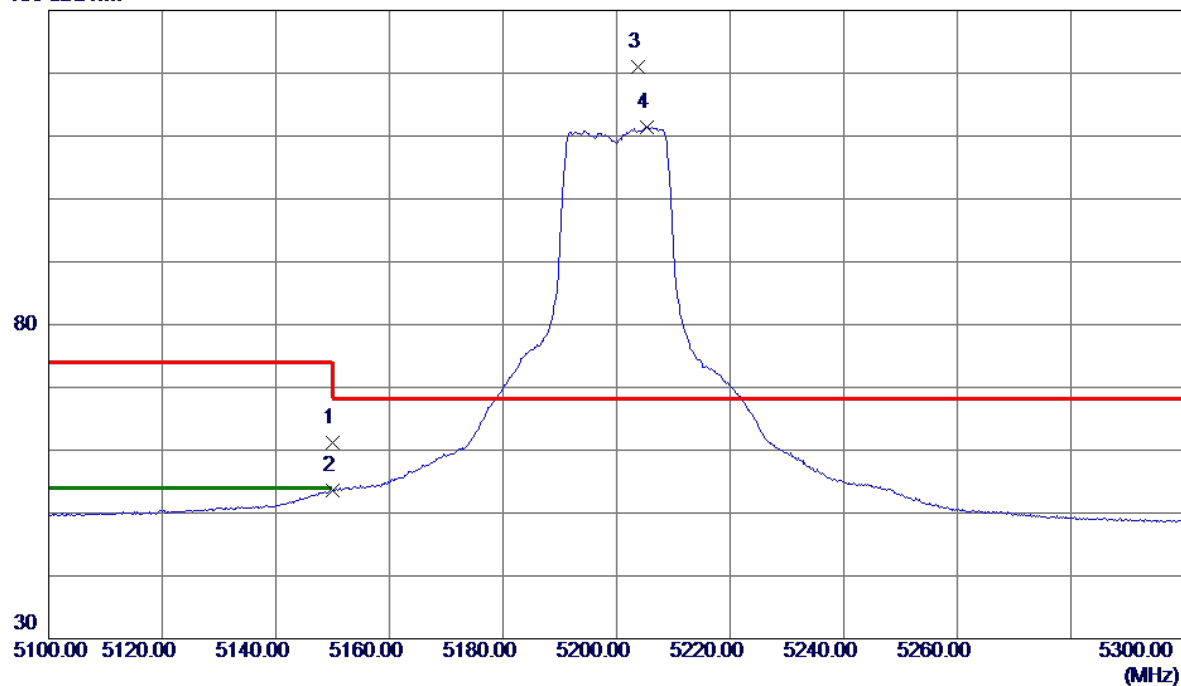
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	15531.0500	29.65	11.42	41.07	54.00	-12.93	AVG	
2	15538.2000	39.99	11.43	51.42	74.00	-22.58	Peak	

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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130 dBuV/m



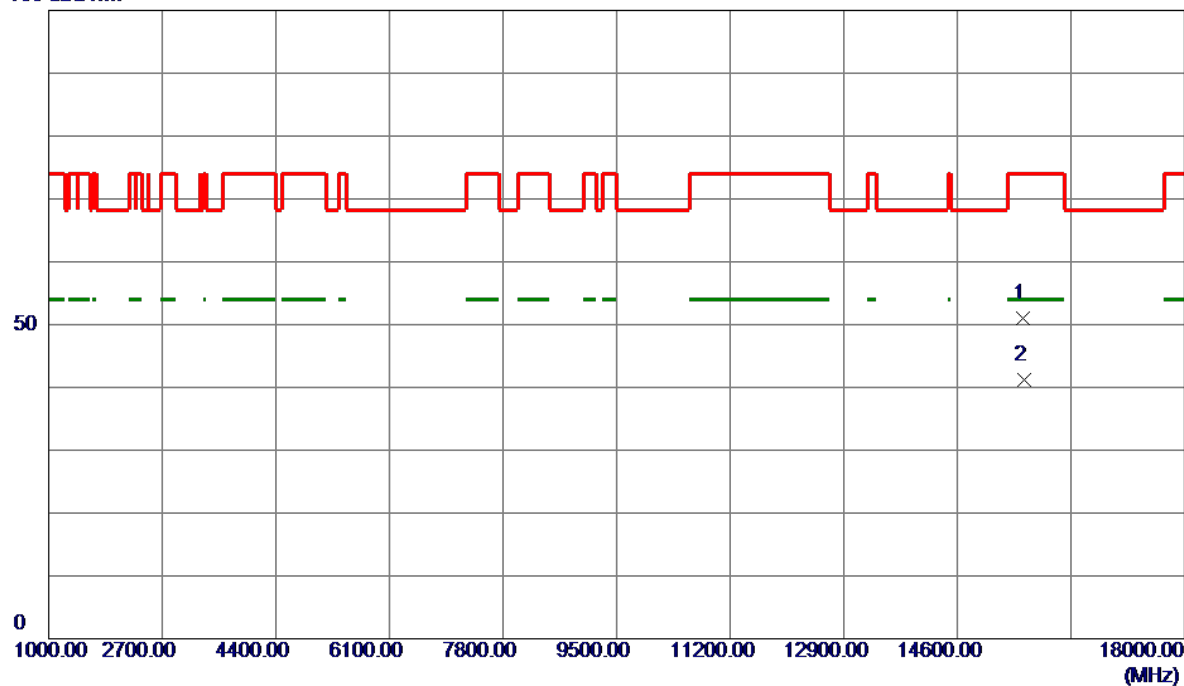
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	46.85	14.33	61.18	74.00	-12.82	Peak	
2	5150.0000	39.20	14.33	53.53	54.00	-0.47	AVG	
3 *	5203.8000	106.67	14.33	121.00	68.20	52.80	Peak	No Limit
4	5205.4000	97.13	14.33	111.46	999.00	-887.54	AVG	No Limit

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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100 dBuV/m



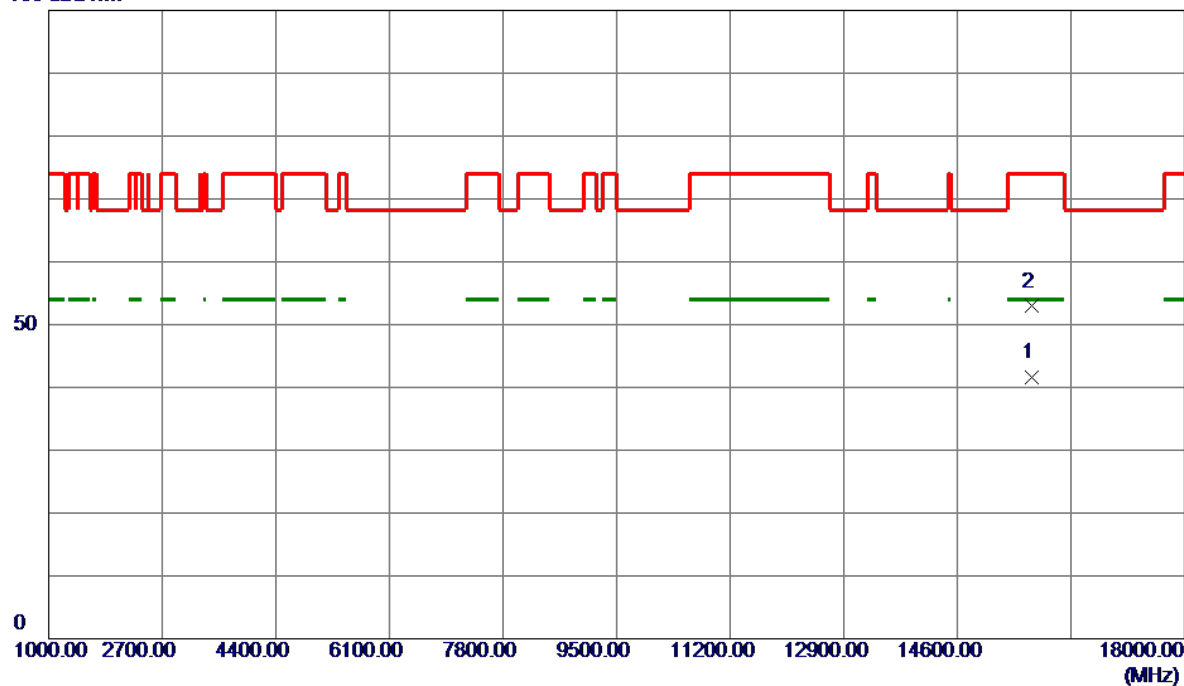
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	15590.7500	39.55	11.46	51.01	74.00	-22.99	Peak	
2 *	15594.2000	29.65	11.46	41.11	54.00	-12.89	AVG	

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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100 dBuV/m



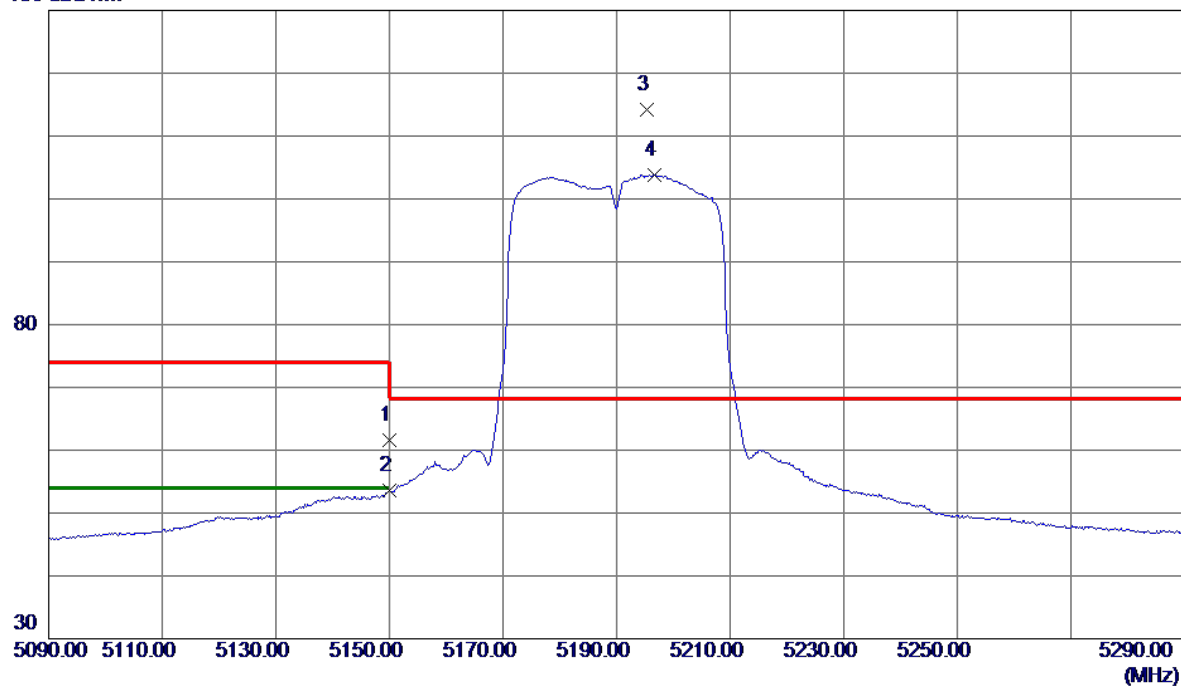
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	15721.1000	30.07	11.55	41.62	54.00	-12.38	AVG	
2	15721.5000	41.35	11.55	52.90	74.00	-21.10	Peak	

REMARKS:

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

Test Mode	UNII-1_TX AC(VHT40) Mode 5190 MHz	Polarization	Horizontal
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130 dBuV/m



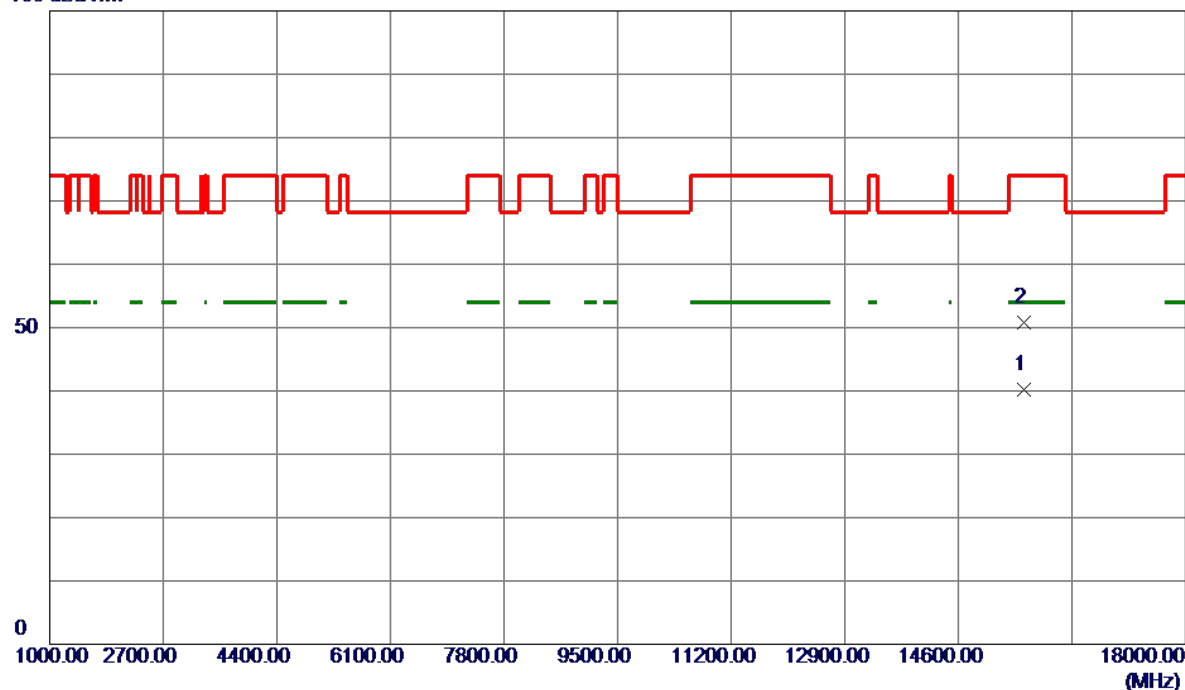
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	47.30	14.33	61.63	74.00	-12.37	Peak	
2	5150.0000	39.22	14.33	53.55	54.00	-0.45	AVG	
3 *	5195.4000	99.87	14.33	114.20	68.20	46.00	Peak	No Limit
4	5196.6000	89.50	14.33	103.83	999.00	-895.17	AVG	No Limit

REMARKS:

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

Test Mode	UNII-1_TX AC(VHT40) Mode 5190 MHz	Polarization	Horizontal
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100 dBuV/m

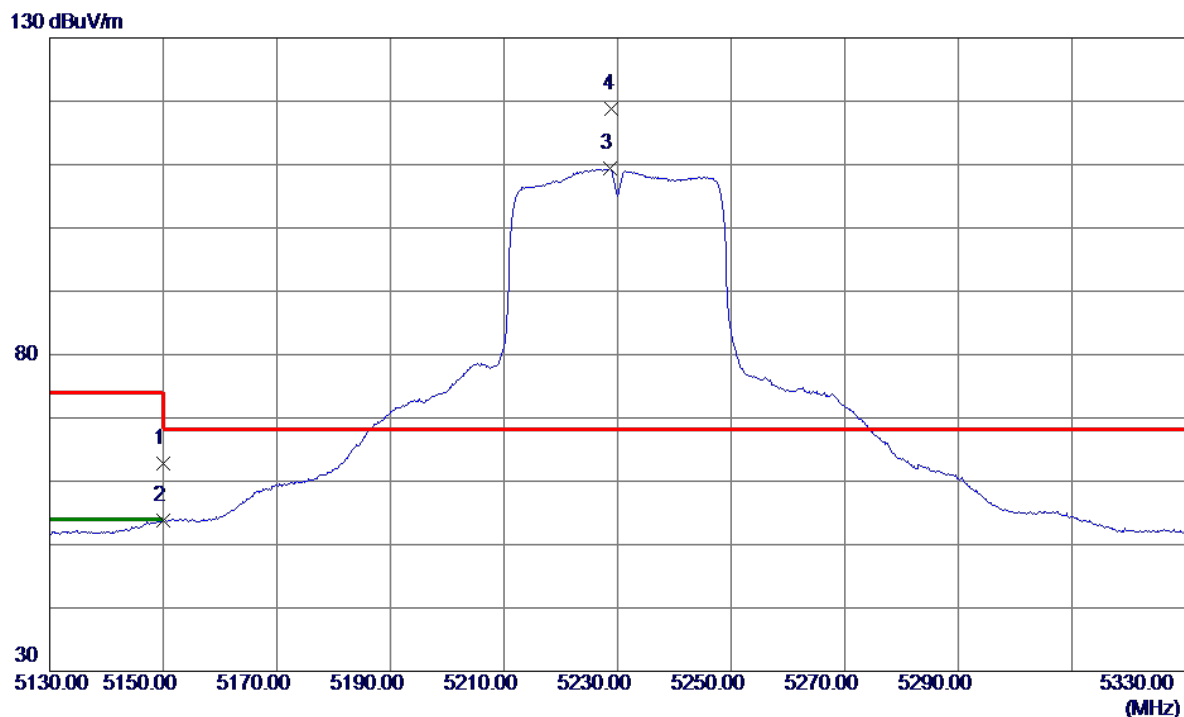


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	15578.6000	28.68	11.45	40.13	54.00	-13.87	AVG	
2	15588.2000	39.27	11.46	50.73	74.00	-23.27	Peak	

REMARKS:

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

Test Mode	UNII-1_TX AC(VHT40) Mode 5230 MHz	Polarization	Horizontal
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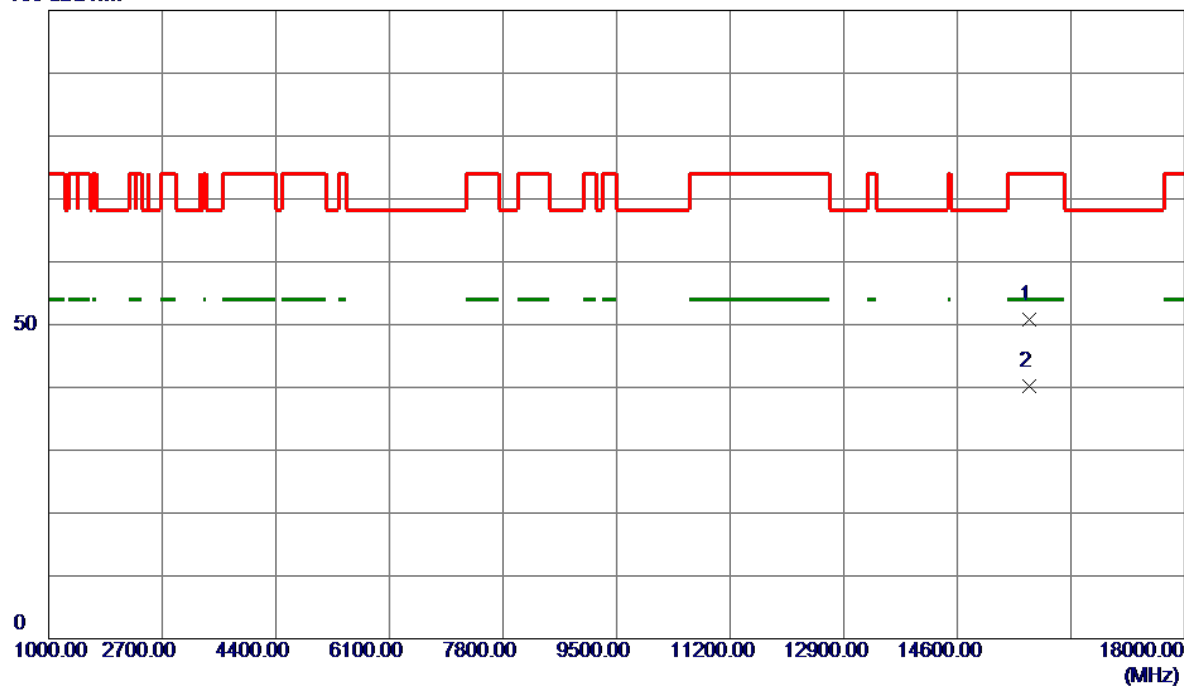
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	48.50	14.33	62.83	74.00	-11.17	Peak	
2	5150.0000	39.38	14.33	53.71	54.00	-0.29	AVG	
3	5228.6000	95.03	14.33	109.36	999.00	-889.64	AVG	No Limit
4 *	5229.0000	104.38	14.33	118.71	68.20	50.51	Peak	No Limit

REMARKS:

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

Test Mode	UNII-1_TX AC(VHT40) Mode 5230 MHz	Polarization	Horizontal
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100 dBuV/m



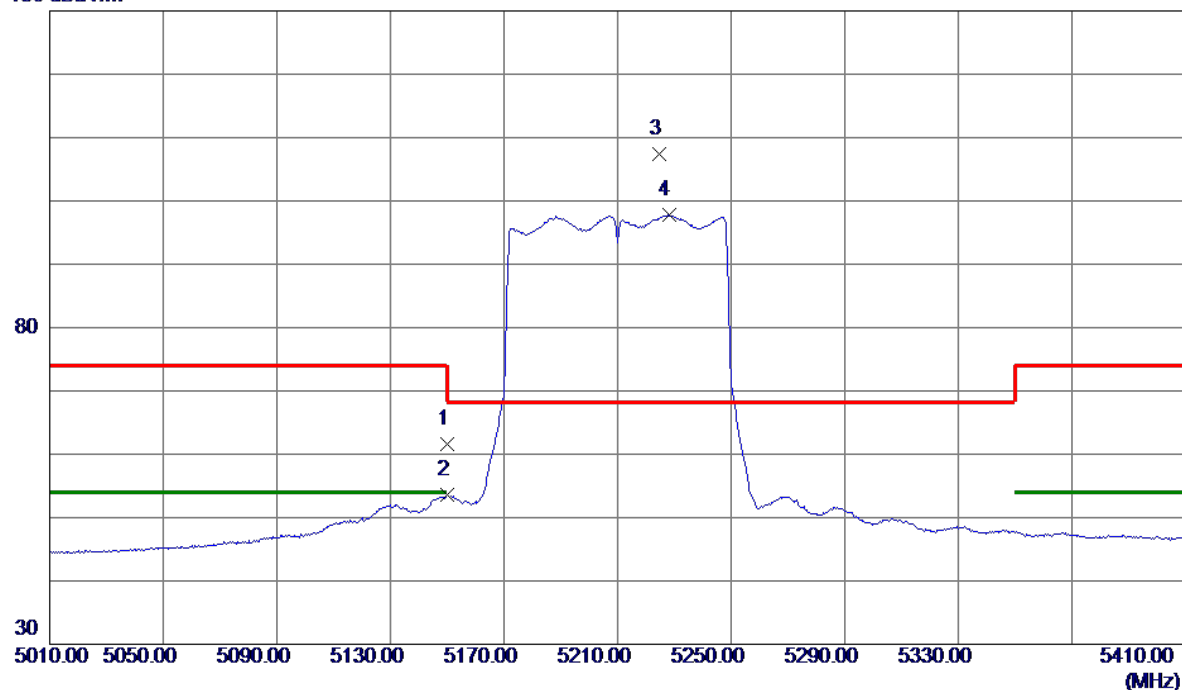
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	15673.6000	39.26	11.51	50.77	74.00	-23.23	Peak	
2 *	15685.8000	28.75	11.52	40.27	54.00	-13.73	AVG	

REMARKS:

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

Test Mode	UNII-1_TX AC(VHT80) Mode 5210 MHz	Polarization	Horizontal
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130 dBuV/m



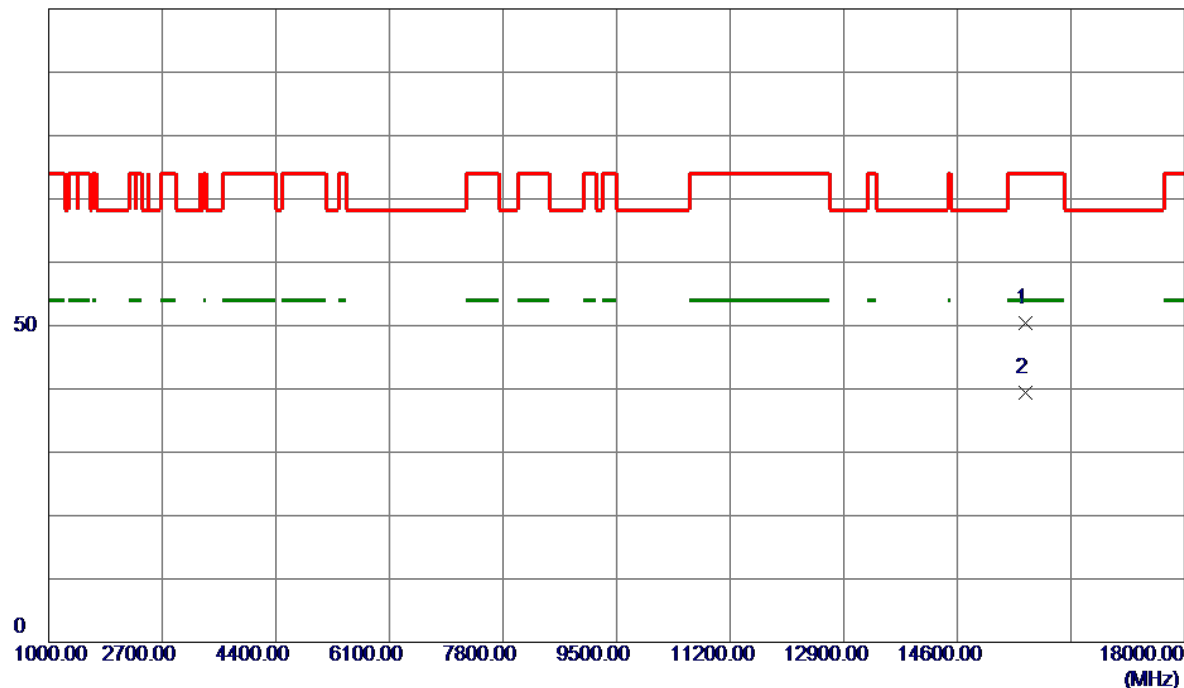
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	47.26	14.33	61.59	74.00	-12.41	Peak	
2	5150.0000	39.22	14.33	53.55	54.00	-0.45	AVG	
3 *	5224.8000	93.04	14.33	107.37	68.20	39.17	Peak	No Limit
4	5228.0000	83.50	14.33	97.83	999.00	-901.17	AVG	No Limit

REMARKS:

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

Test Mode	UNII-1_TX AC(VHT80) Mode 5210 MHz	Polarization	Horizontal
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100 dBuV/m

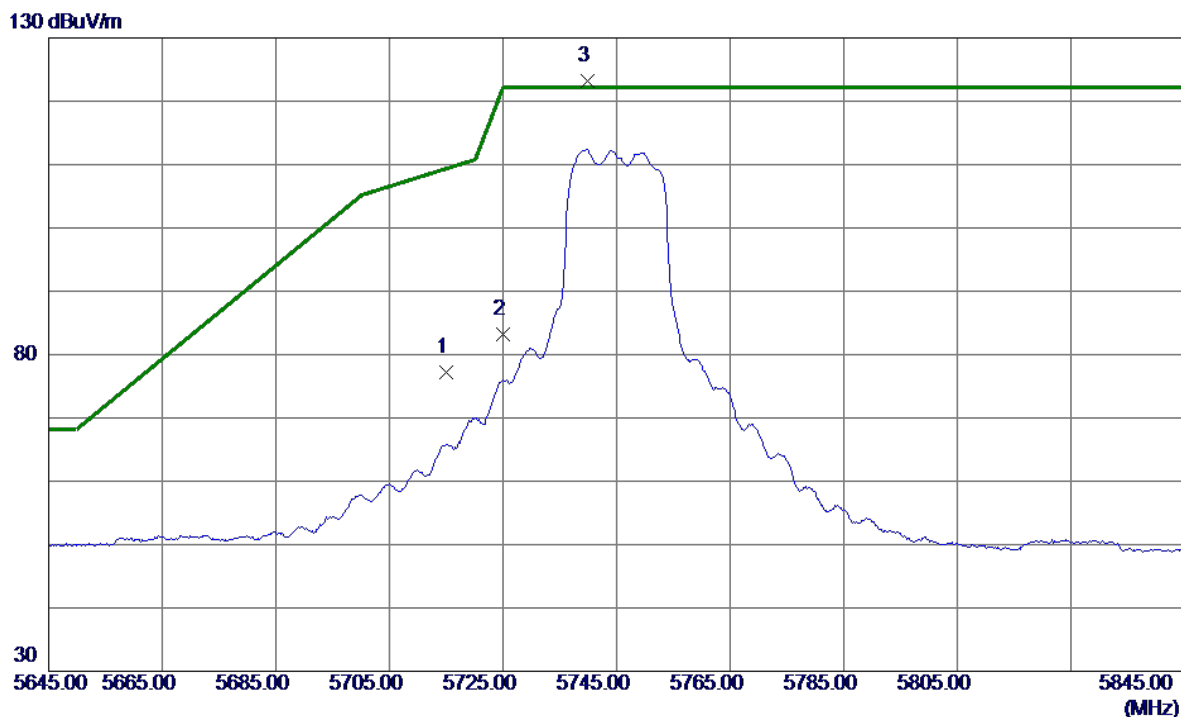


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	15612.7500	38.88	11.47	50.35	74.00	-23.65	Peak	
2 *	15619.8000	27.88	11.48	39.36	54.00	-14.64	AVG	

REMARKS:

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

Test Mode	UNII-3_TX A Mode 5745 MHz	Polarization	Vertical
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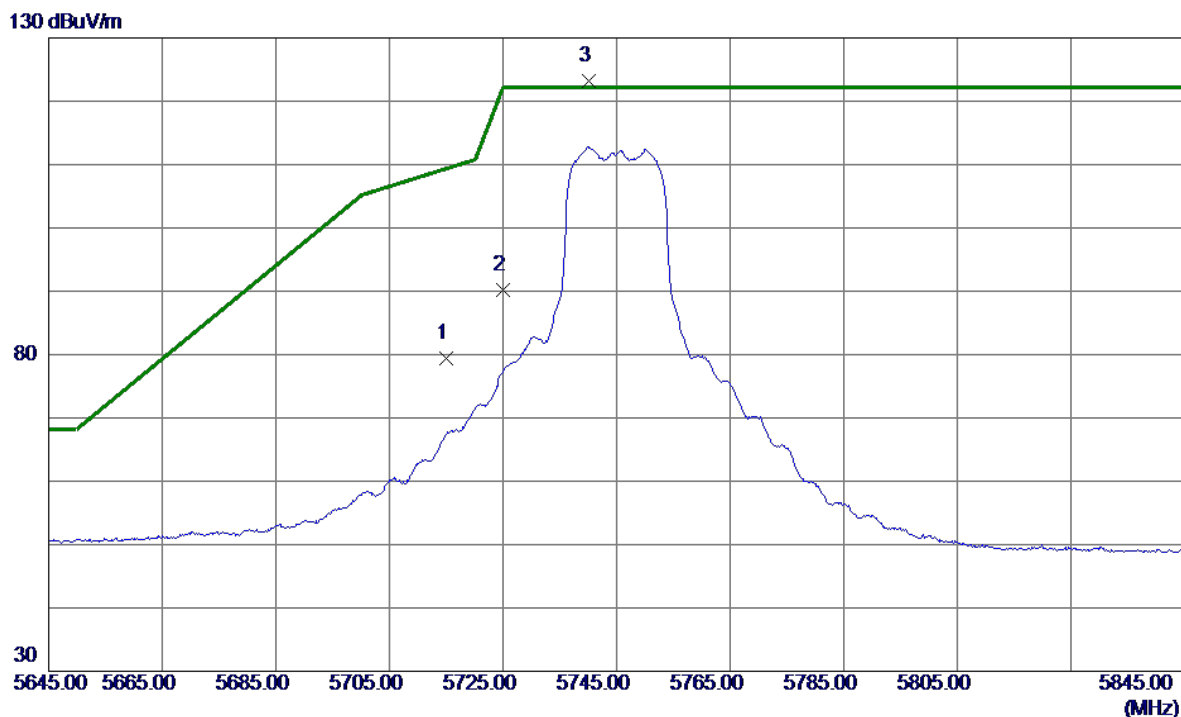


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	62.31	14.84	77.15	109.40	-32.25	Peak	
2	5725.0000	68.40	14.86	83.26	122.20	-38.94	Peak	
3 *	5739.8000	108.21	14.90	123.11	122.20	0.91	Peak	No Limit

REMARKS:

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

Test Mode	UNII-3_TX A Mode 5745 MHz	Polarization	Horizontal
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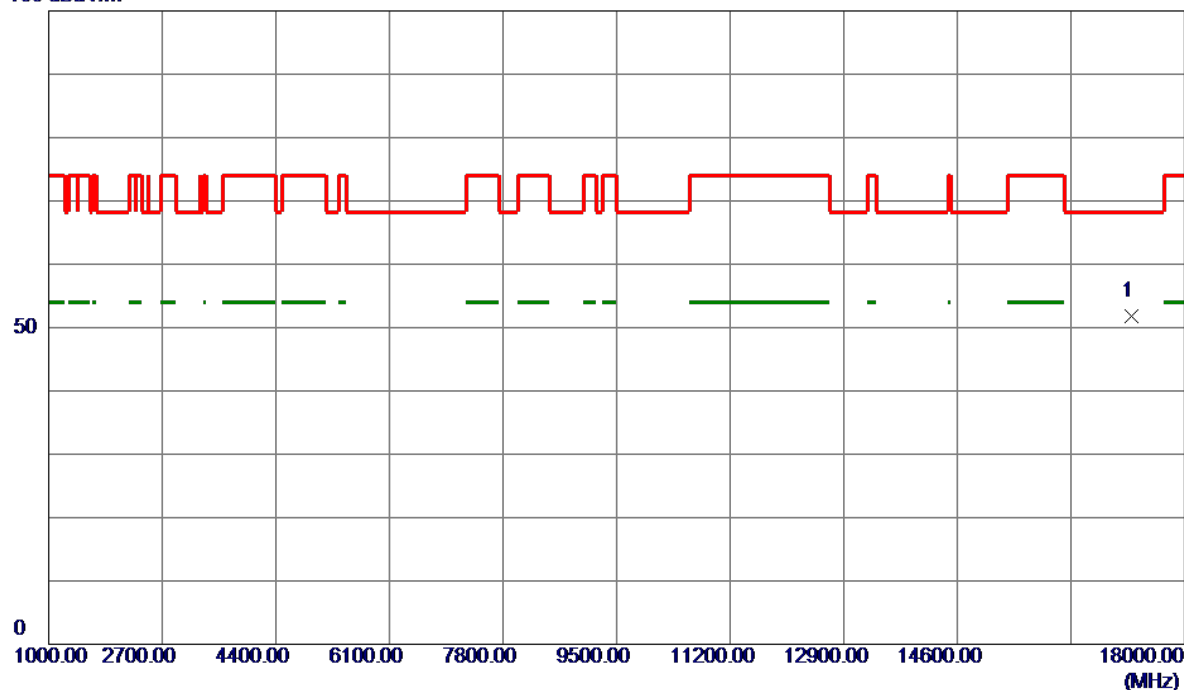
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	64.51	14.84	79.35	109.40	-30.05	Peak	
2	5725.0000	75.34	14.86	90.20	122.20	-32.00	Peak	
3 *	5740.2000	108.34	14.90	123.24	122.20	1.04	Peak	No Limit

REMARKS:

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

Test Mode	UNII-3_TX A Mode 5745 MHz	Polarization	Horizontal
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100 dBuV/m



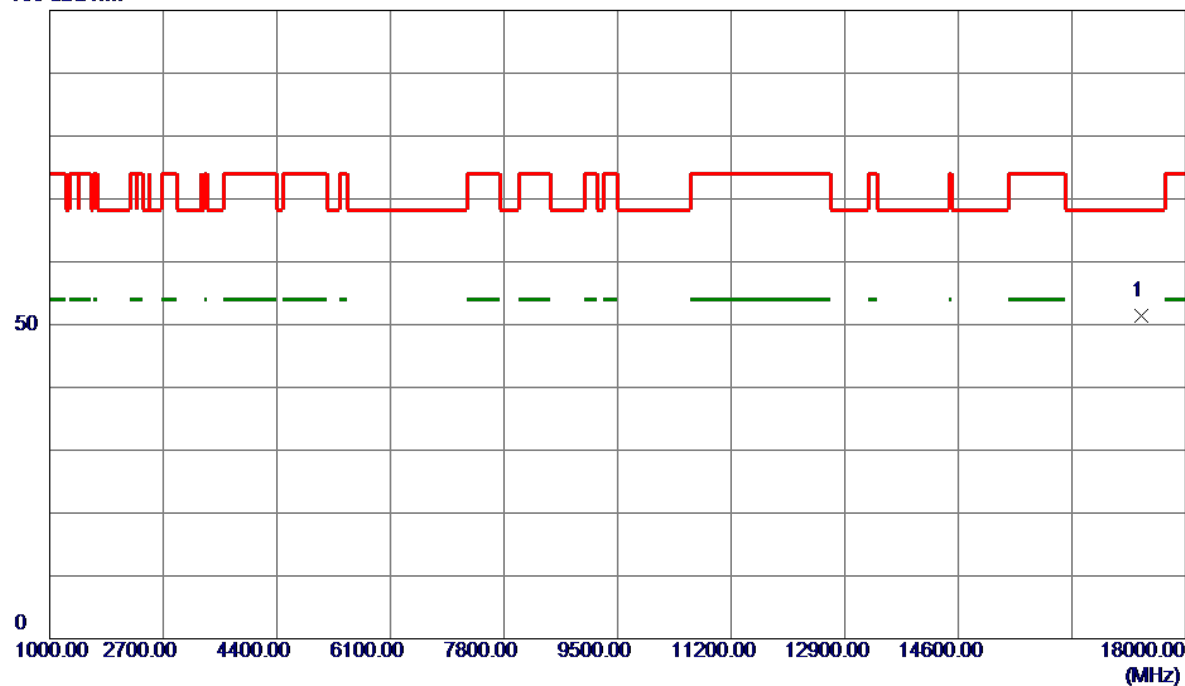
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	17213.4500	41.02	10.84	51.86	68.20	-16.34	Peak	

REMARKS:

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

Test Mode	UNII-3_TX A Mode 5785 MHz	Polarization	Horizontal
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100 dBuV/m

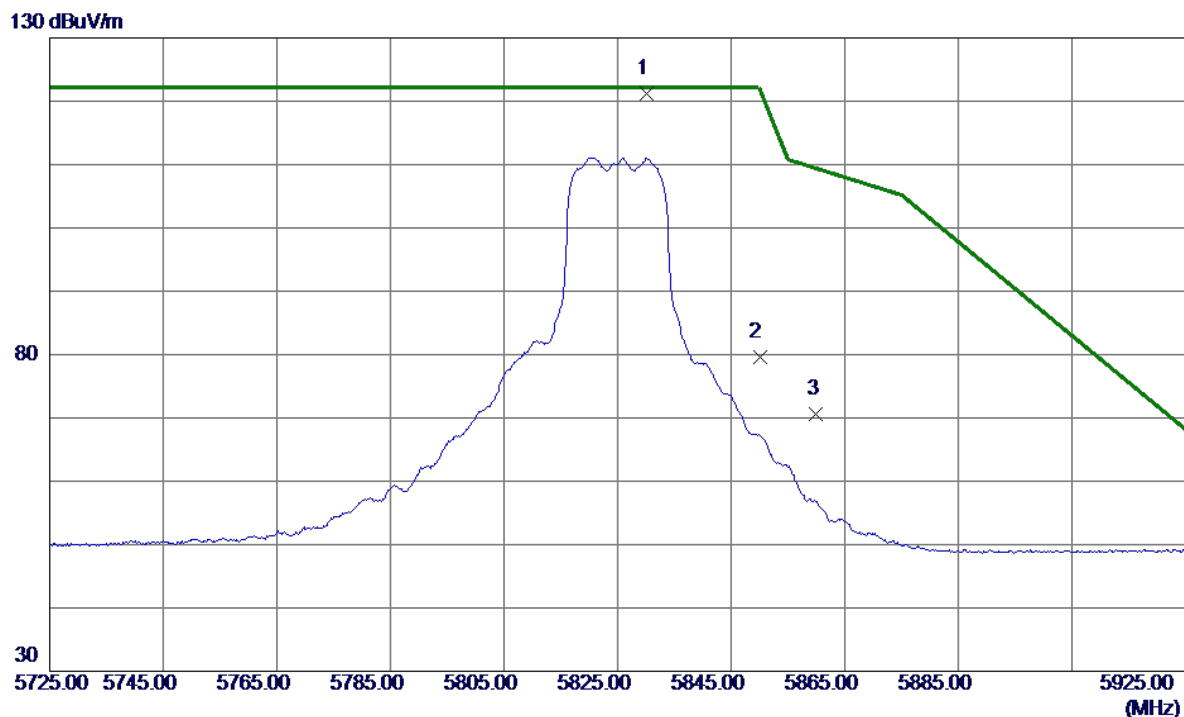


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	17341.6500	40.92	10.57	51.49	68.20	-16.71	Peak	

REMARKS:

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

Test Mode	UNII-3_TX A Mode 5825 MHz	Polarization	Horizontal
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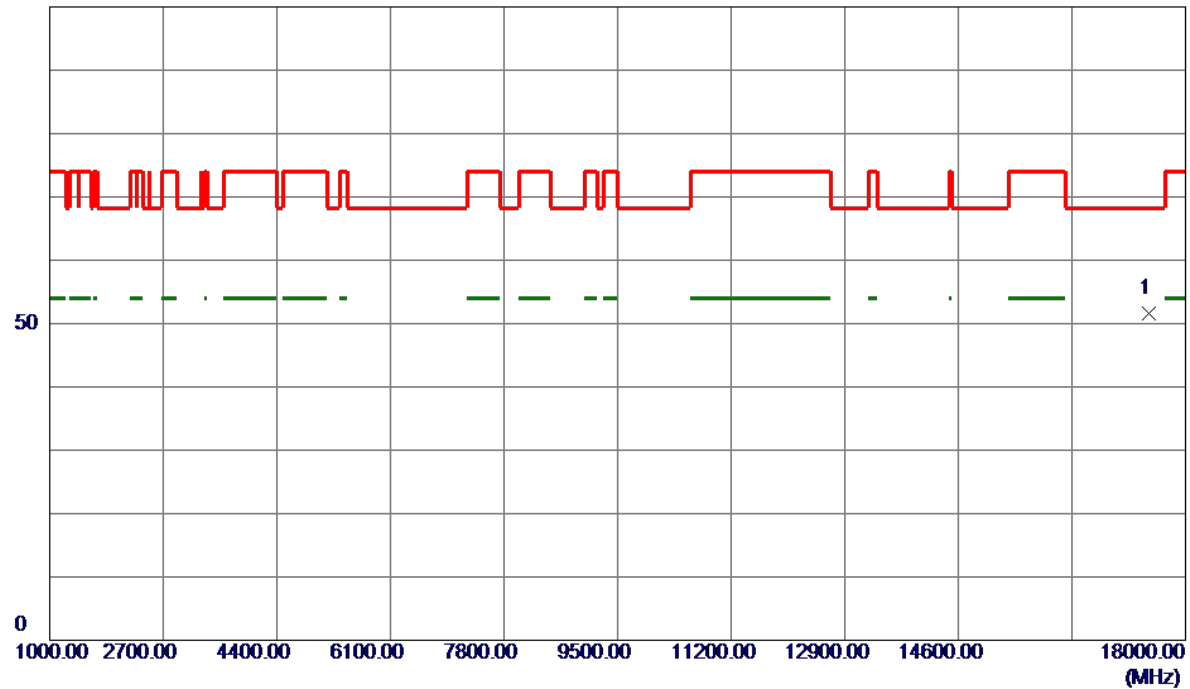
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5830.2000	106.03	15.11	121.14	122.20	-1.06	Peak	No Limit
2	5850.0000	64.40	15.15	79.55	122.20	-42.65	Peak	
3	5860.0000	55.48	15.18	70.66	109.40	-38.74	Peak	

REMARKS:

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

Test Mode	UNII-3_TX A Mode 5825 MHz	Polarization	Horizontal
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100 dBuV/m

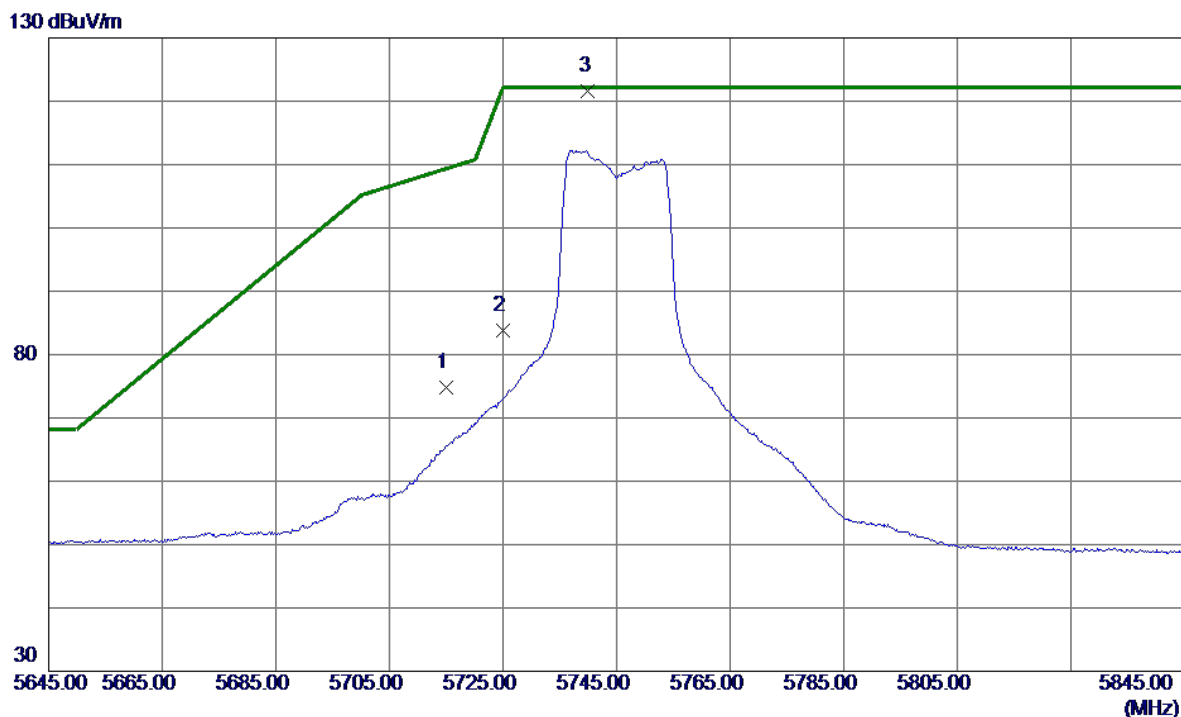


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	17461.6500	41.35	10.31	51.66	68.20	-16.54	Peak	

REMARKS:

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

Test Mode	UNII-3_TX AC(VHT20) Mode 5745 MHz	Polarization	Horizontal
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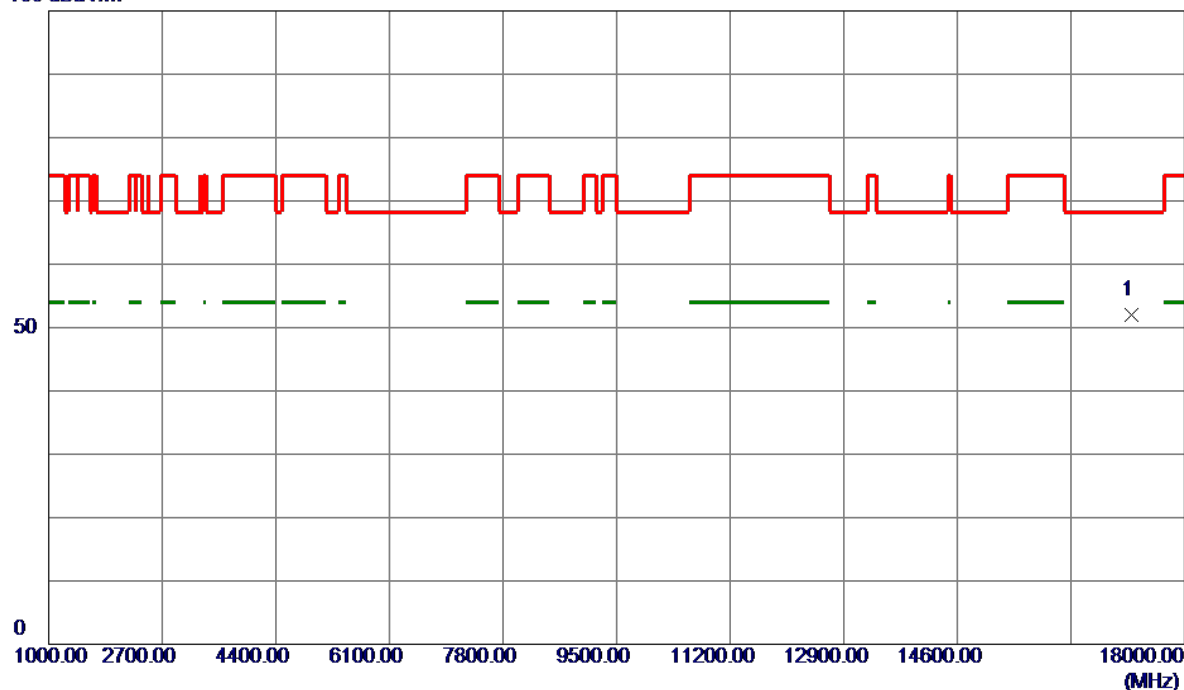
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	59.87	14.84	74.71	109.40	-34.69	Peak	
2	5725.0000	68.95	14.86	83.81	122.20	-38.39	Peak	
3 *	5740.0000	106.78	14.90	121.68	122.20	-0.52	Peak	No Limit

REMARKS:

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

Test Mode	UNII-3_TX AC(VHT20) Mode 5745 MHz	Polarization	Horizontal
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100 dBuV/m



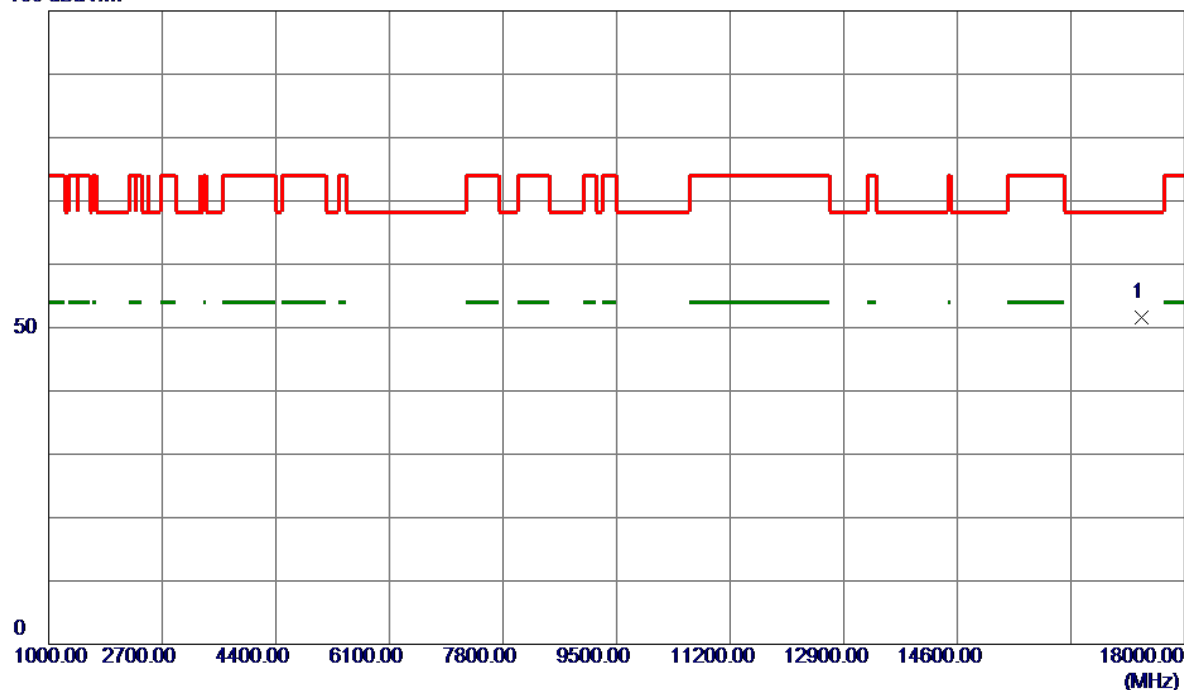
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	17210.1000	41.07	10.84	51.91	68.20	-16.29	Peak	

REMARKS:

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

Test Mode	UNII-3_TX AC(VHT20) Mode 5785 MHz	Polarization	Horizontal
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100 dBuV/m

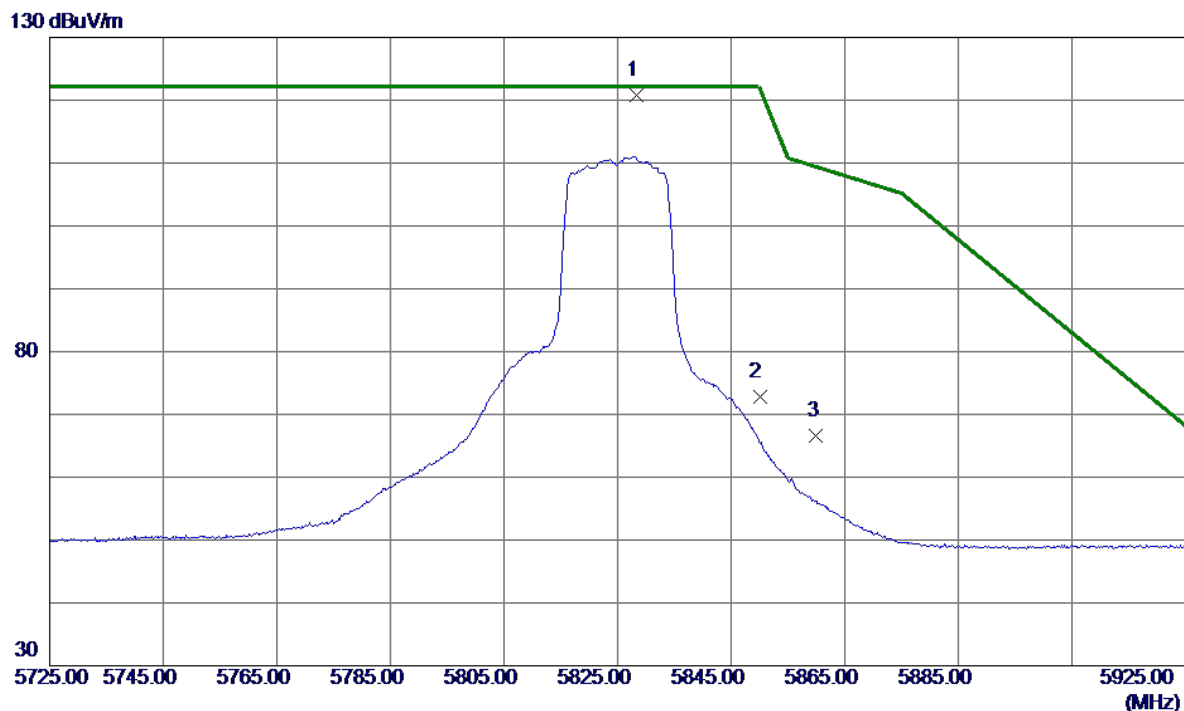


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	17365.6000	41.12	10.51	51.63	68.20	-16.57	Peak	

REMARKS:

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

Test Mode	UNII-3_TX AC(VHT20) Mode 5825 MHz	Polarization	Horizontal
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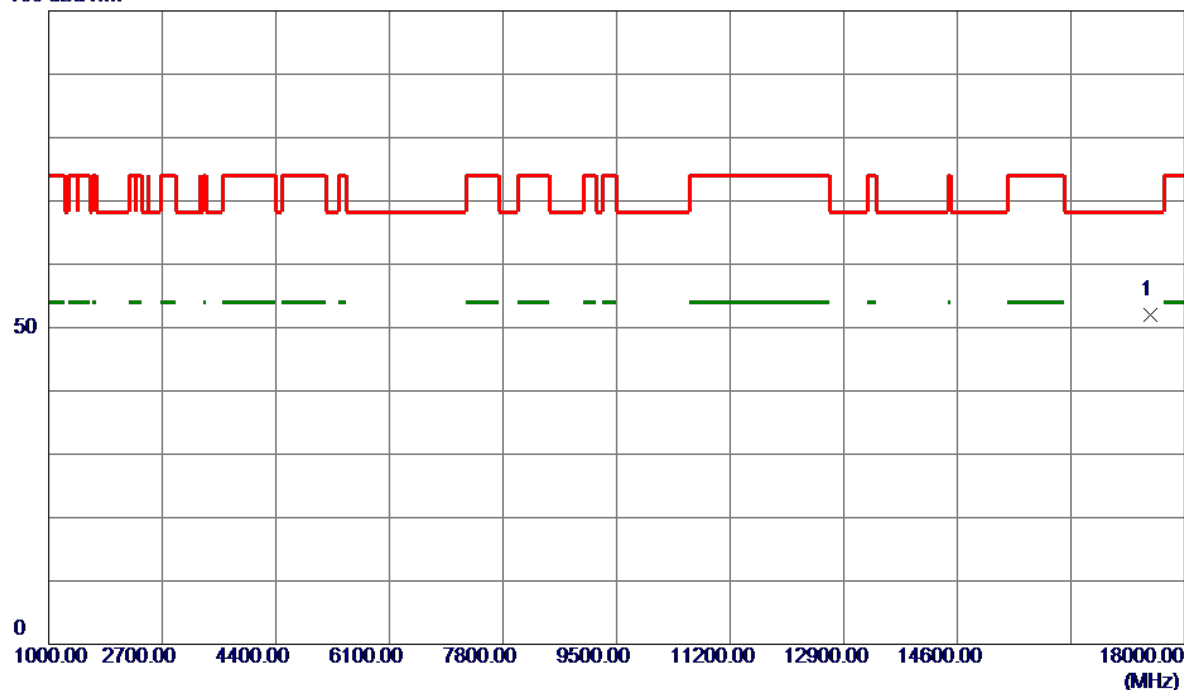
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5828.4000	105.69	15.10	120.79	122.20	-1.41	Peak	No Limit
2	5850.0000	57.71	15.15	72.86	122.20	-49.34	Peak	
3	5860.0000	51.47	15.18	66.65	109.40	-42.75	Peak	

REMARKS:

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

Test Mode	UNII-3_TX AC(VHT20) Mode 5825 MHz	Polarization	Horizontal
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100 dBuV/m

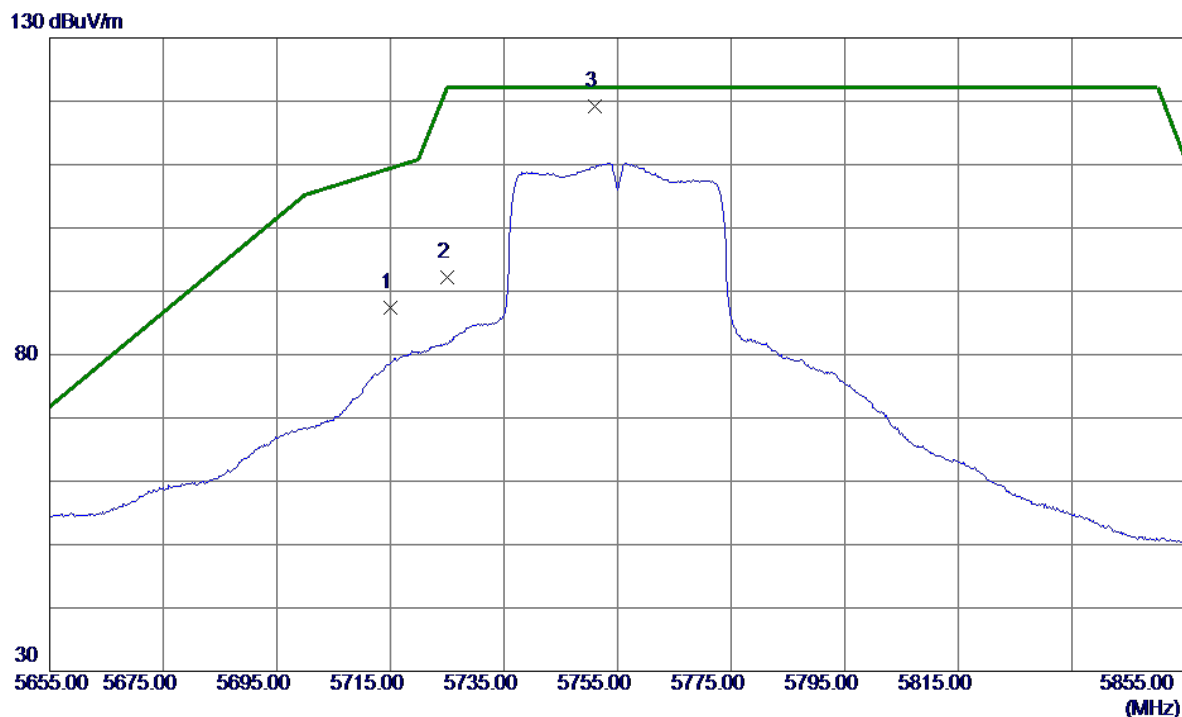


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	17489.1500	41.70	10.25	51.95	68.20	-16.25	Peak	

REMARKS:

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

Test Mode	UNII-3_TX AC(VHT40) Mode 5755 MHz	Polarization	Horizontal
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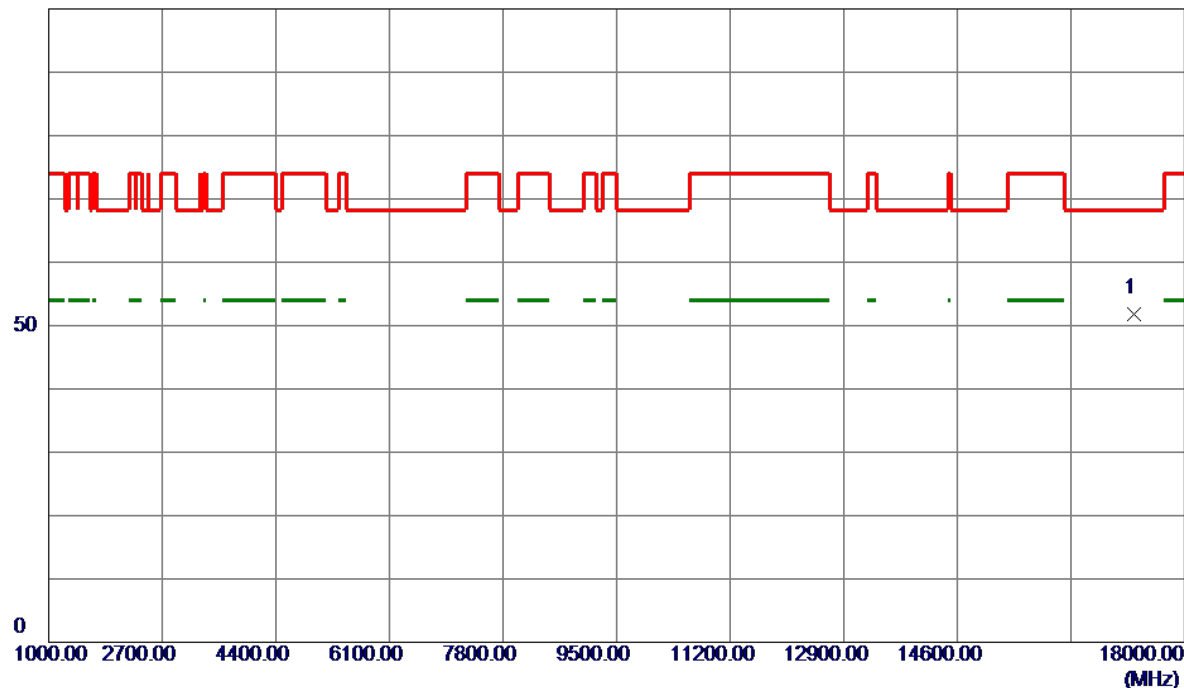
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	72.63	14.84	87.47	109.40	-21.93	Peak	
2	5725.0000	77.28	14.86	92.14	122.20	-30.06	Peak	
3 *	5751.0000	104.36	14.92	119.28	122.20	-2.92	Peak	No Limit

REMARKS:

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

Test Mode	UNII-3_TX AC(VHT40) Mode 5755 MHz	Polarization	Horizontal
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100 dBuV/m



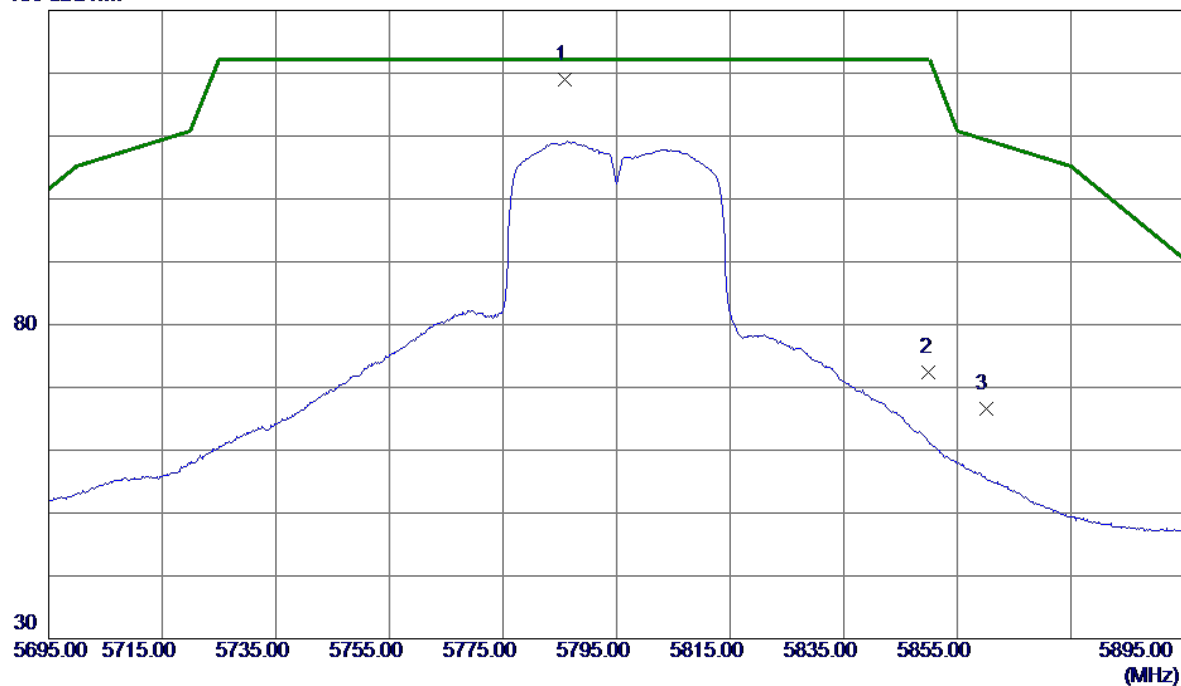
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	17245.9000	41.13	10.77	51.90	68.20	-16.30	Peak	

REMARKS:

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

Test Mode	UNII-3_TX AC(VHT40) Mode 5795 MHz	Polarization	Horizontal
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130 dBuV/m



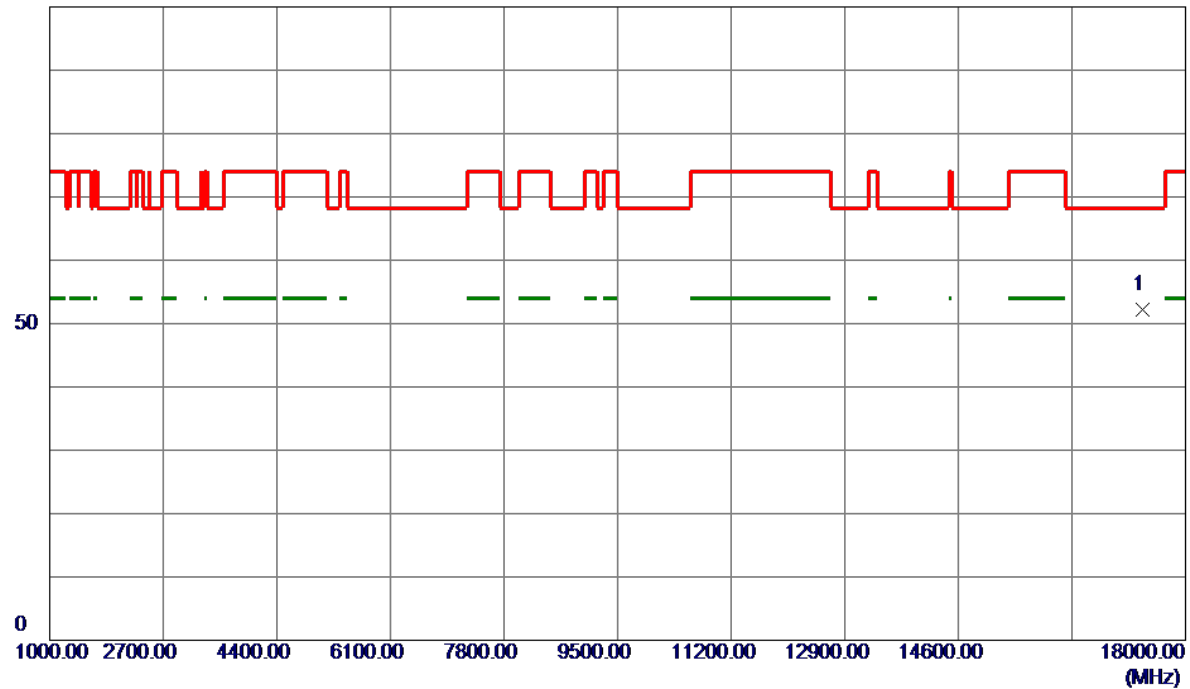
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5785.8000	103.99	15.00	118.99	122.20	-3.21	Peak	No Limit
2	5850.0000	57.16	15.15	72.31	122.20	-49.89	Peak	
3	5860.0000	51.35	15.18	66.53	109.40	-42.87	Peak	

REMARKS:

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

Test Mode	UNII-3_TX AC(VHT40) Mode 5795 MHz	Polarization	Horizontal
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100 dBuV/m



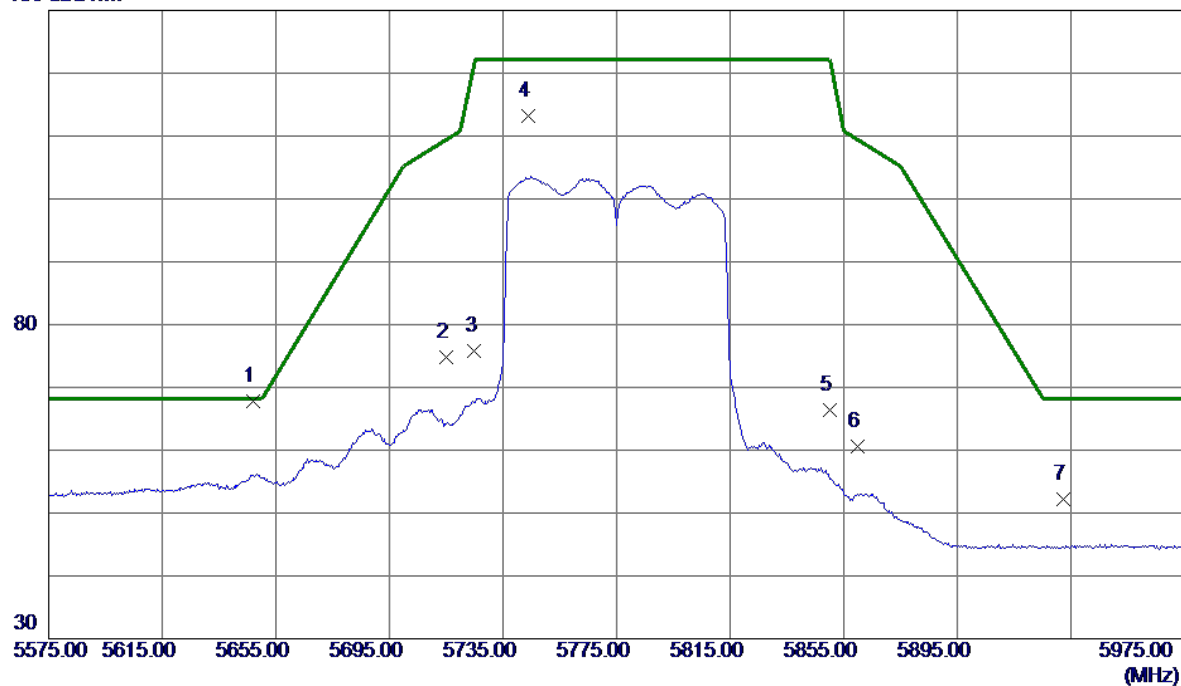
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	17365.9500	41.62	10.51	52.13	68.20	-16.07	Peak	

REMARKS:

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

Test Mode	UNII-3_TX AC(VHT80) Mode 5775 MHz	Polarization	Horizontal
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130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5647.0000	53.03	14.68	67.71	68.20	-0.49	Peak	
2	5715.0000	59.97	14.84	74.81	109.40	-34.59	Peak	
3	5725.0000	60.89	14.86	75.75	122.20	-46.45	Peak	
4	5743.8000	98.35	14.91	113.26	122.20	-8.94	Peak	No Limit
5	5850.0000	51.26	15.15	66.41	122.20	-55.79	Peak	
6	5860.0000	45.38	15.18	60.56	109.40	-48.84	Peak	
7	5932.2000	36.83	15.34	52.17	68.20	-16.03	Peak	

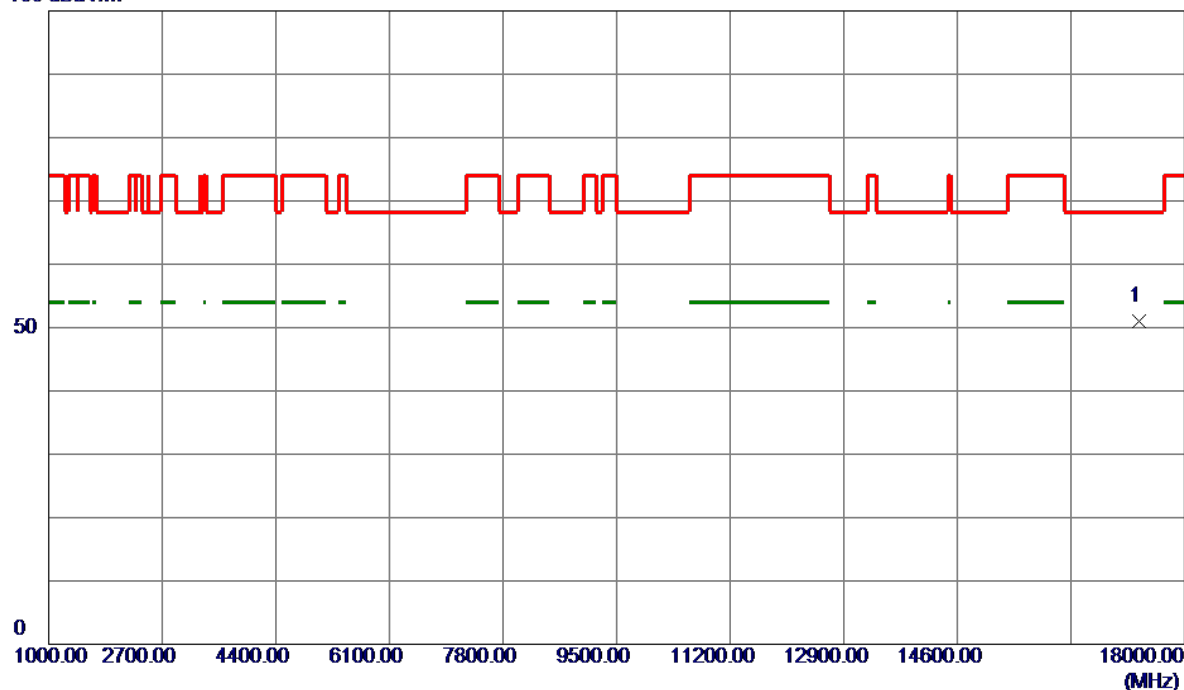
REMARKS:

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

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

Test Mode	UNII-3_TX AC(VHT80) Mode 5775 MHz	Polarization	Horizontal
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100 dBuV/m

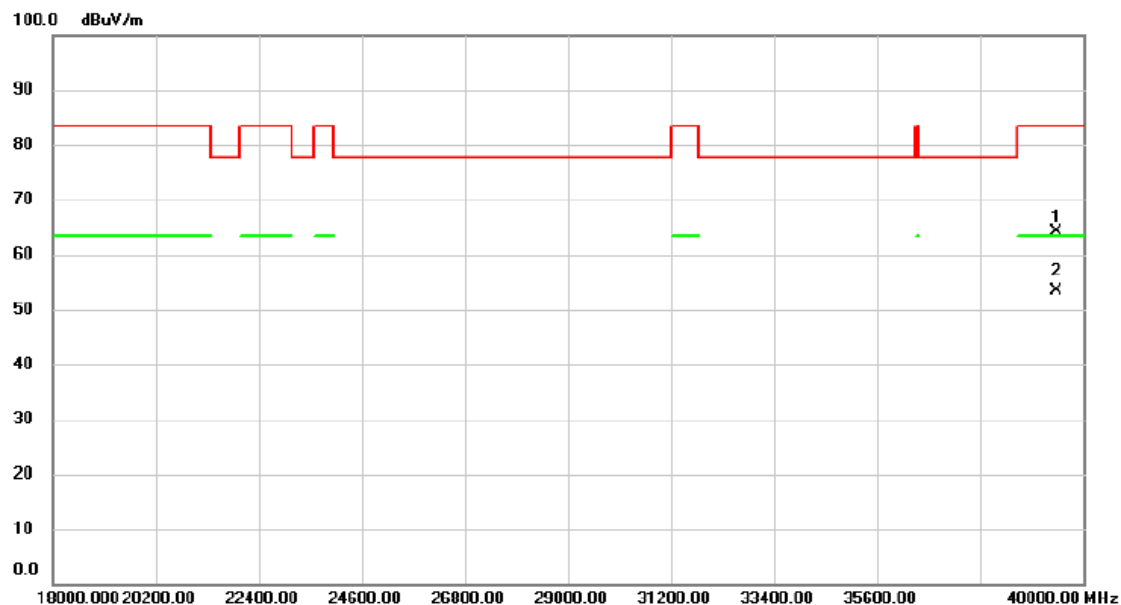


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	17314.5500	40.38	10.62	51.00	68.20	-17.20	Peak	

REMARKS:

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

Test Mode	TX A Mode Channel 149 (UNII-3)	Polarization	Vertical
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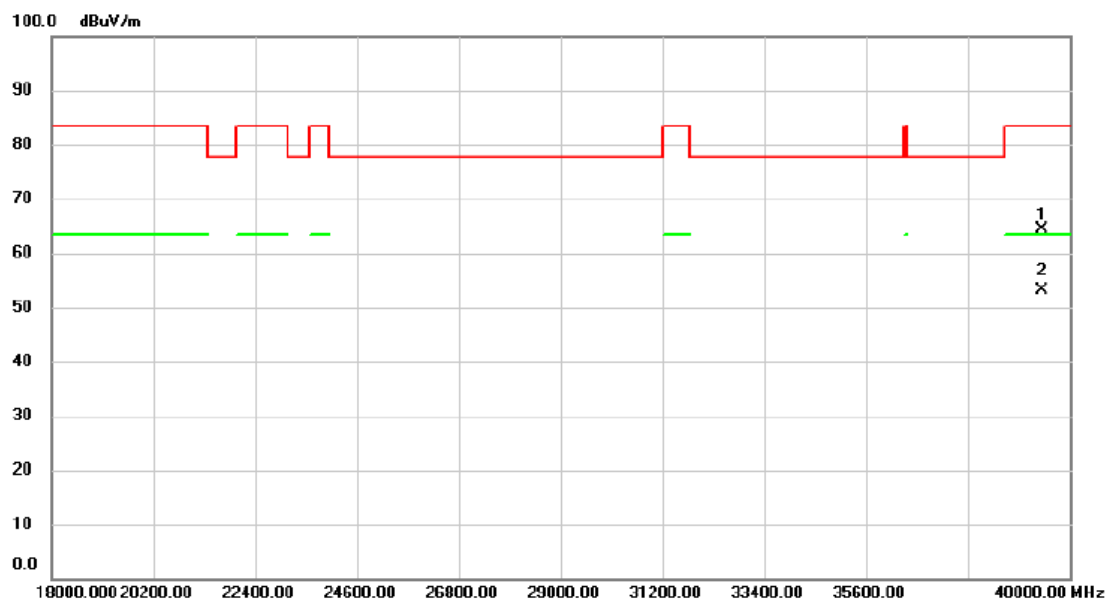


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		39428.000	49.75	14.45	64.20	83.50	-19.30	peak	
2	*	39428.000	38.88	14.45	53.33	63.50	-10.17	AVG	

REMARKS:

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

Test Mode	TX A Mode Channel 149 (UNII-3)	Polarization	Horizontal
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No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		39384.000	49.92	14.41	64.33	83.50	-19.17	peak	
2	*	39384.000	38.67	14.41	53.08	63.50	-10.42	AVG	

REMARKS:

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

APPENDIX E - BANDWIDTH

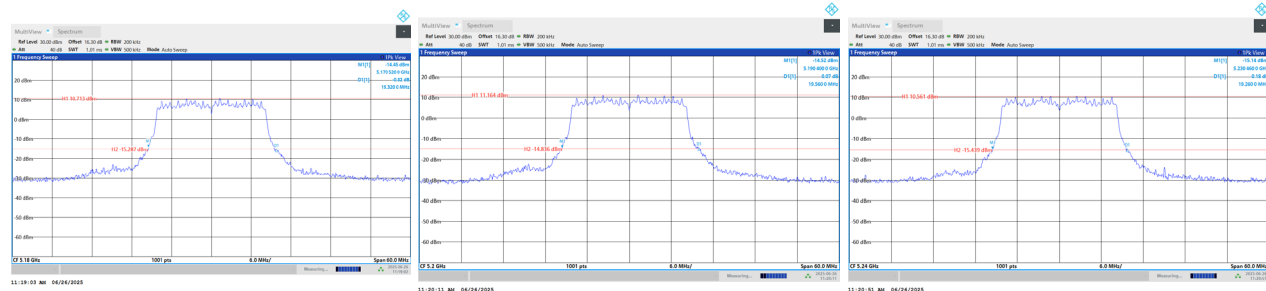
Test Mode	UNII-1_TX A Mode
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Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
36	5180	19.320	16.700
40	5200	19.560	16.700
48	5240	19.260	16.700

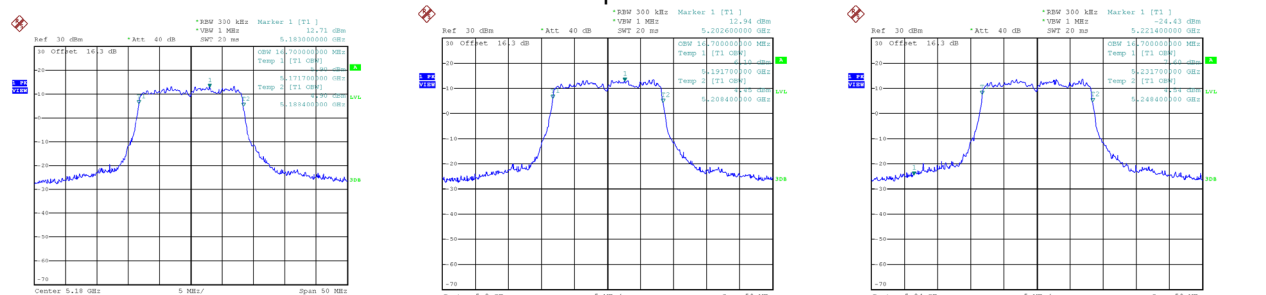
CH36

CH40
26 dB Bandwidth

CH48



99 % Occupied Bandwidth



Date: 7.APR.2025 11:58:24

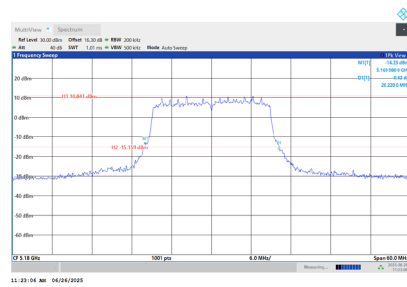
Date: 7.APR.2025 11:59:15

Date: 7.APR.2025 12:00:48

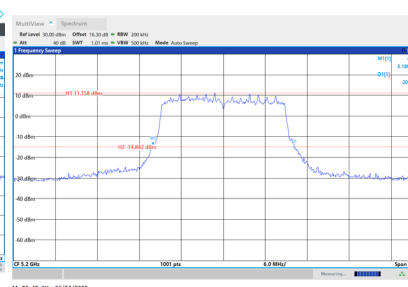
Test Mode	UNII-1_TX AC(VHT20) Mode
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Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
36	5180	20.220	17.800
40	5200	20.220	17.800
48	5240	20.040	17.800

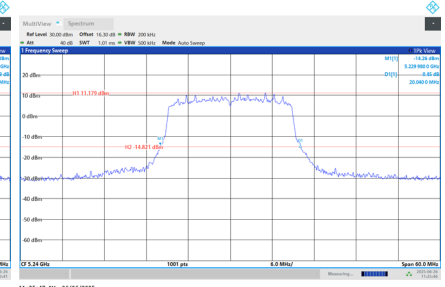
CH36



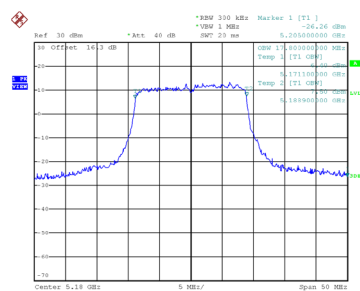
CH40
26 dB Bandwidth



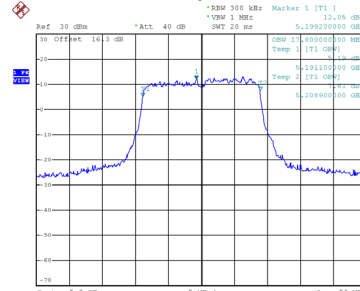
CH48



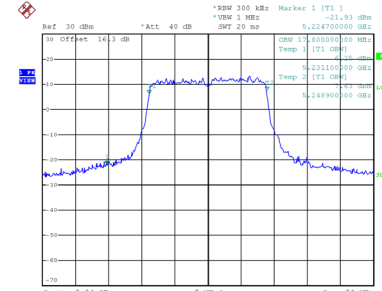
99 % Occupied Bandwidth



Date: 7.APR.2025 12:02:02



Date: 7.APR.2025 12:03:49

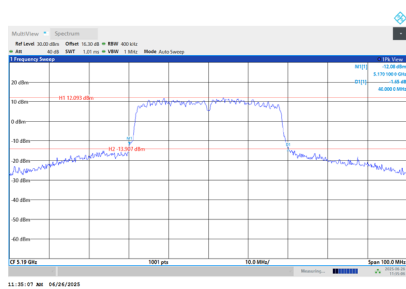


Date: 7.APR.2025 12:06:09

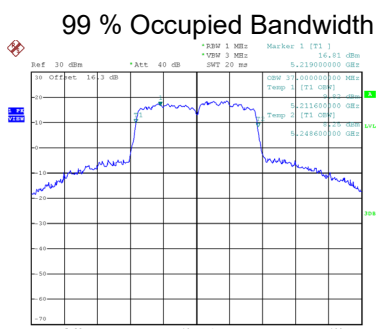
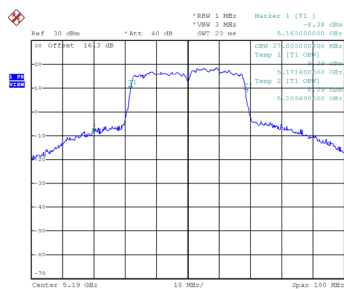
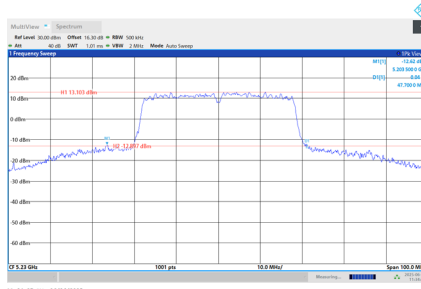
Test Mode	UNII-1_TX AC(VHT40) Mode
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Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
38	5190	40.000	37.000
46	5230	47.700	37.000

CH38



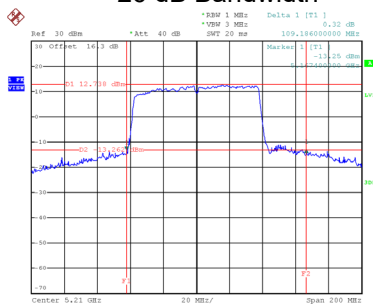
CH46
26 dB Bandwidth



Test Mode	UNII-1_TX AC(VHT80) Mode
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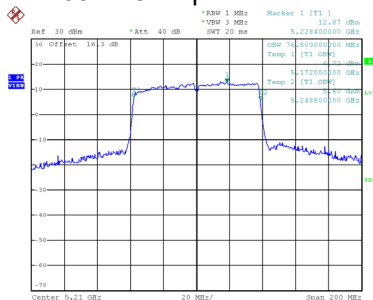
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
42	5210	109.186	76.800

CH42 26 dB Bandwidth



Date: 7.APR.2025 12:21:51

99 % Occupied Bandwidth

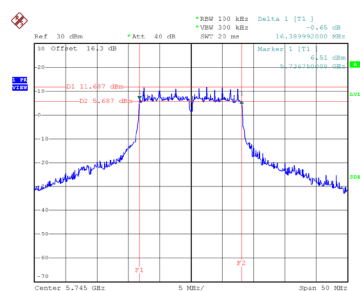


Date: 7.APR.2025 12:19:01

Test Mode	UNII-3_TX A Mode
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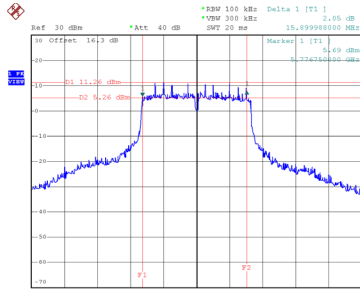
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
149	5745	16.390	16.800	0.5	Complies
157	5785	15.900	16.900	0.5	Complies
165	5825	16.200	17.000	0.5	Complies

CH149



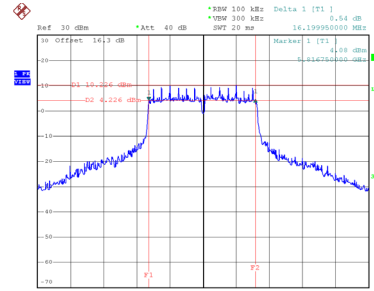
Date: 19.MAR.2025 03:48:48

CH157
6 dB Bandwidth



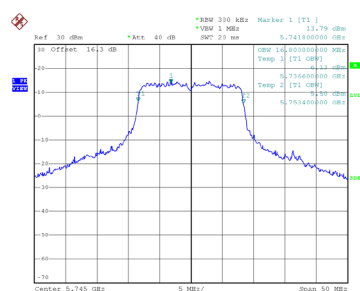
Date: 19.MAR.2025 03:51:35

CH165

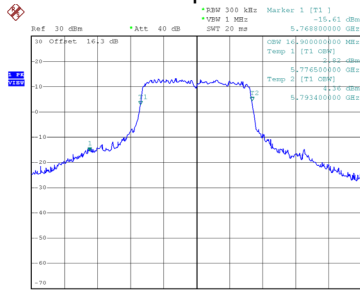


Date: 19.MAR.2025 03:58:29

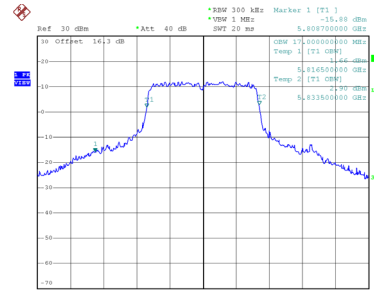
99 % Occupied Bandwidth



Date: 19.MAR.2025 03:48:09



Date: 19.MAR.2025 03:50:55

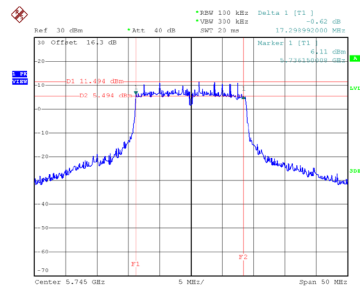


Date: 19.MAR.2025 03:57:49

Test Mode	UNII-3_TX AC(VHT20) Mode
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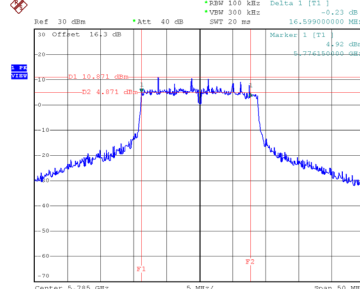
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
149	5745	17.299	17.800	0.5	Complies
157	5785	16.599	17.900	0.5	Complies
165	5825	17.650	18.000	0.5	Complies

CH149



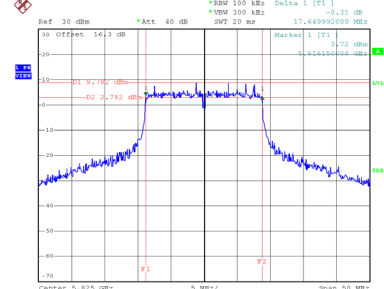
Date: 19.MAR.2025 03:59:39

CH157
6 dB Bandwidth



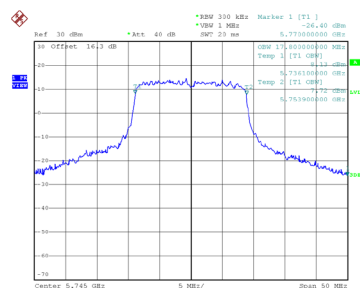
Date: 19.MAR.2025 04:02:42

CH165

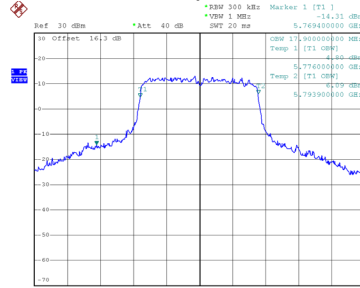


Date: 19.MAR.2025 04:04:04

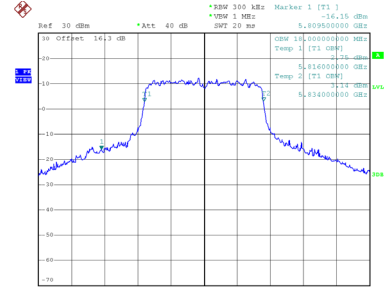
99 % Occupied Bandwidth



Date: 19.MAR.2025 03:59:00



Date: 19.MAR.2025 04:02:00

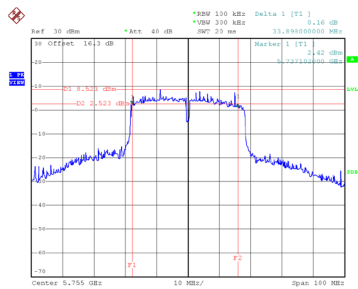


Date: 19.MAR.2025 04:03:25

Test Mode	UNII-3_TX AC(VHT40) Mode
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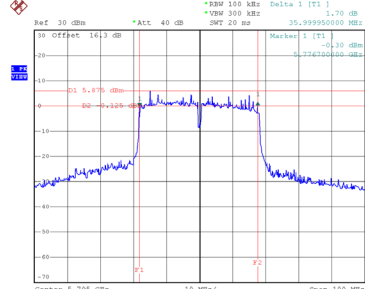
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
151	5755	33.898	36.800	0.5	Complies
159	5795	36.000	36.800	0.5	Complies

CH151



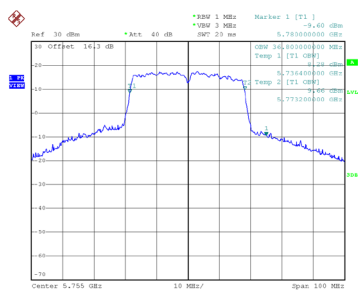
Date: 19.MAR.2025 04:05:50

CH159 6 dB Bandwidth

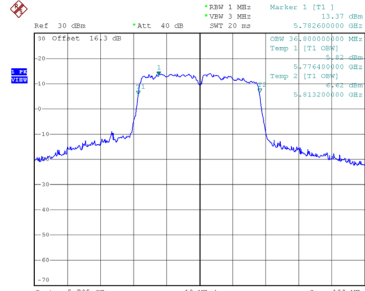


Date: 19.MAR.2025 04:09:30

99 % Occupied Bandwidth



Date: 19.MAR.2025 04:05:50

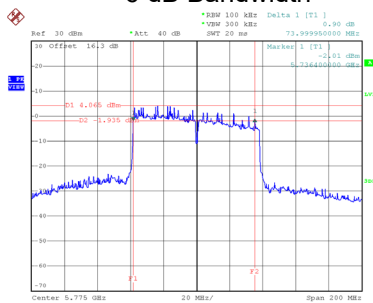


Date: 19.MAR.2025 04:08:52

Test Mode	UNII-3_TX AC(VHT80) Mode
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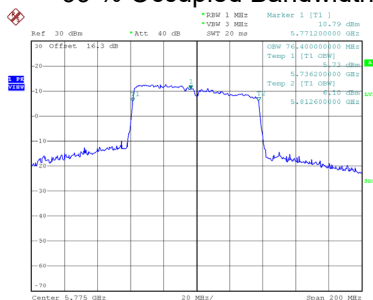
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
155	5775	74.000	76.400	0.5	Complies

CH155 6 dB Bandwidth



Date: 19.MAR.2025 04:12:52

99 % Occupied Bandwidth



Date: 19.MAR.2025 04:12:11

APPENDIX F - MAXIMUM OUTPUT POWER

Test Mode	UNII-1_TX A Mode_Ant. 1
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	18.54	0.13	18.67	29.00	0.7943	Complies
40	5200	19.74	0.13	19.87	29.00	0.7943	Complies
48	5240	19.61	0.13	19.74	29.00	0.7943	Complies

Test Mode	UNII-1_TX A Mode_Ant. 2
-----------	-------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	18.23	0.13	18.36	29.00	0.7943	Complies
40	5200	19.71	0.13	19.84	29.00	0.7943	Complies
48	5240	19.76	0.13	19.89	29.00	0.7943	Complies

Test Mode	UNII-1_TX A Mode_Total
-----------	------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	21.53	29.00	0.7943	Complies
40	5200	22.87	29.00	0.7943	Complies
48	5240	22.83	29.00	0.7943	Complies

For The maximum direction gain at any elevation angle above 30 degrees as measured from the horizon

Channel	Frequency (MHz)	e.i.r.p. (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	19.53	21.00	0.1259	Complies
40	5200	20.87	21.00	0.1259	Complies
48	5240	20.83	21.00	0.1259	Complies

Test Mode	UNII-1_TX AC(VHT20) Mode_Ant. 1
-----------	---------------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	18.65	0.00	18.65	29.00	0.7943	Complies
40	5200	19.89	0.00	19.89	29.00	0.7943	Complies
48	5240	19.81	0.00	19.81	29.00	0.7943	Complies

Test Mode	UNII-1_TX AC(VHT20) Mode_Ant. 2
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	18.26	0.00	18.26	29.00	0.7943	Complies
40	5200	19.76	0.00	19.76	29.00	0.7943	Complies
48	5240	20.02	0.00	20.02	29.00	0.7943	Complies

Test Mode	UNII-1_TX AC(VHT20) Mode_Total
-----------	--------------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	21.47	29.00	0.7943	Complies
40	5200	22.84	29.00	0.7943	Complies
48	5240	22.93	29.00	0.7943	Complies

For The maximum direction gain at any elevation angle above 30 degrees as measured from the horizon

Channel	Frequency (MHz)	e.i.r.p. (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	19.47	21.00	0.1259	Complies
40	5200	20.84	21.00	0.1259	Complies
48	5240	20.93	21.00	0.1259	Complies

Test Mode	UNII-1_TX AC(VHT40) Mode_Ant. 1
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
38	5190	17.56	0.11	17.67	29.00	0.7943	Complies
46	5230	19.54	0.11	19.65	29.00	0.7943	Complies

Test Mode	UNII-1_TX AC(VHT40) Mode_Ant. 2
-----------	---------------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
38	5190	17.55	0.11	17.66	29.00	0.7943	Complies
46	5230	19.69	0.11	19.80	29.00	0.7943	Complies

Test Mode	UNII-1_TX AC(VHT40) Mode_Total
-----------	--------------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
38	5190	20.68	29.00	0.7943	Complies
46	5230	22.74	29.00	0.7943	Complies

For The maximum direction gain at any elevation angle above 30 degrees as measured from the horizon

Channel	Frequency (MHz)	e.i.r.p. (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
38	5190	18.68	21.00	0.1259	Complies
46	5230	20.74	21.00	0.1259	Complies

Test Mode	UNII-1_TX AC(VHT80) Mode_Ant. 1
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
42	5210	15.56	0.26	15.82	29.00	0.7943	Complies

Test Mode	UNII-1_TX AC(VHT80) Mode_Ant. 2
-----------	---------------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
42	5210	15.78	0.26	16.04	29.00	0.7943	Complies

Test Mode	UNII-1_TX AC(VHT80) Mode_Total
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Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
42	5210	18.94	29.00	0.7943	Complies

For The maximum direction gain at any elevation angle above 30 degrees as measured from the horizon

Channel	Frequency (MHz)	e.i.r.p. (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
42	5210	16.94	21.00	0.1259	Complies

Test Mode	UNII-3_TX A Mode_Ant. 1
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
149	5745	22.39	0.13	22.52	29.00	0.7943	Complies
157	5785	22.09	0.13	22.22	29.00	0.7943	Complies
165	5825	21.74	0.13	21.87	29.00	0.7943	Complies

Test Mode	UNII-3_TX A Mode_Ant. 2
-----------	-------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
149	5745	22.81	0.13	22.94	29.00	0.7943	Complies
157	5785	21.13	0.13	21.26	29.00	0.7943	Complies
165	5825	20.75	0.13	20.88	29.00	0.7943	Complies

Test Mode	UNII-3_TX A Mode_Total
-----------	------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
149	5745	25.75	29.00	0.7943	Complies
157	5785	24.78	29.00	0.7943	Complies
165	5825	24.42	29.00	0.7943	Complies

Test Mode	UNII-3_TX AC(VHT20) Mode_Ant. 1
-----------	---------------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
149	5745	22.91	0.00	22.91	29.00	0.7943	Complies
157	5785	22.11	0.00	22.11	29.00	0.7943	Complies
165	5825	21.13	0.00	21.13	29.00	0.7943	Complies

Test Mode	UNII-3_TX AC(VHT20) Mode_Ant. 2
-----------	---------------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
149	5745	22.31	0.00	22.31	29.00	0.7943	Complies
157	5785	21.23	0.00	21.23	29.00	0.7943	Complies
165	5825	20.69	0.00	20.69	29.00	0.7943	Complies

Test Mode	UNII-3_TX AC(VHT20) Mode_Total
-----------	--------------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
149	5745	25.63	29.00	0.7943	Complies
157	5785	24.70	29.00	0.7943	Complies
165	5825	23.93	29.00	0.7943	Complies

Test Mode	UNII-3_TX AC(VHT40) Mode_Ant. 1
-----------	---------------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
151	5755	22.93	0.11	23.04	29.00	0.7943	Complies
159	5795	21.66	0.11	21.77	29.00	0.7943	Complies

Test Mode	UNII-3_TX AC(VHT40) Mode_Ant. 2
-----------	---------------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
151	5755	22.03	0.11	22.14	29.00	0.7943	Complies
159	5795	20.90	0.11	21.01	29.00	0.7943	Complies

Test Mode	UNII-3_TX AC(VHT40) Mode_Total
-----------	--------------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
151	5755	25.63	29.00	0.7943	Complies
159	5795	24.42	29.00	0.7943	Complies

Test Mode	UNII-3_TX AC(VHT80) Mode_Ant. 1
-----------	---------------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
155	5775	18.89	0.26	19.15	29.00	0.7943	Complies

Test Mode	UNII-3_TX AC(VHT80) Mode_Ant. 2
-----------	---------------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
155	5775	18.80	0.26	19.06	29.00	0.7943	Complies

Test Mode	UNII-3_TX AC(VHT80) Mode_Total
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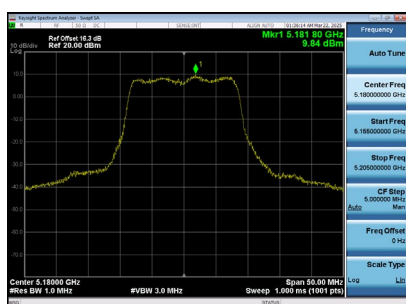
Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
155	5775	22.11	29.00	0.7943	Complies

APPENDIX G - POWER SPECTRAL DENSITY

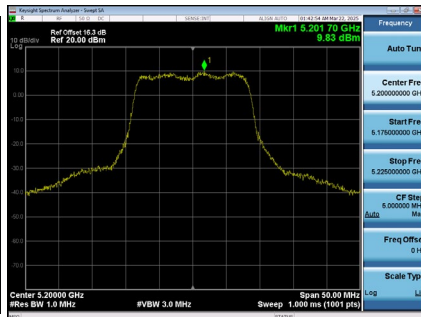
Test Mode	UNII-1_TX A Mode_Ant. 1
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Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180	9.84	0.13	9.97	12.99	Complies
40	5200	9.83	0.13	9.96	12.99	Complies
48	5240	9.45	0.13	9.58	12.99	Complies

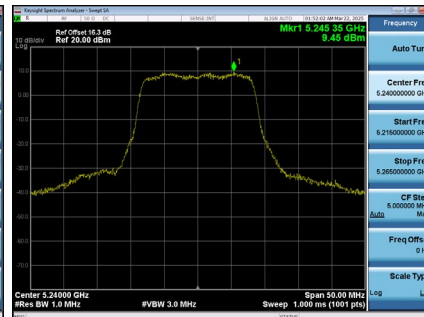
CH36



CH40



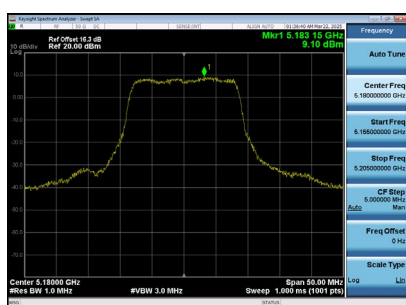
CH48



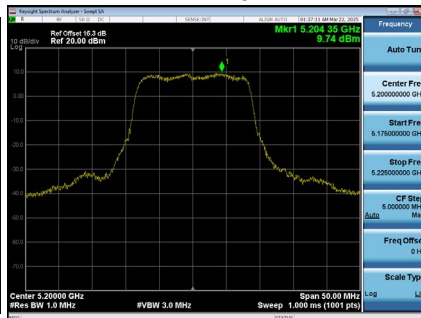
Test Mode	UNII-1_TX A Mode_Ant. 2
-----------	-------------------------

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180	9.10	0.13	9.23	12.99	Complies
40	5200	9.74	0.13	9.87	12.99	Complies
48	5240	9.93	0.13	10.06	12.99	Complies

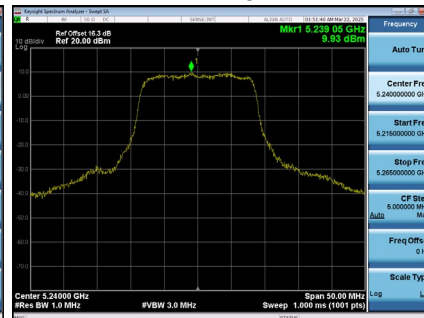
CH36



CH40



CH48



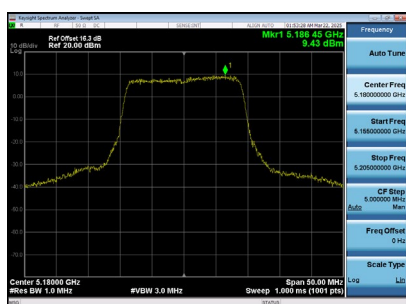
Test Mode	UNII-1_TX A Mode_Total
-----------	------------------------

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180	12.63	12.99	Complies
40	5200	12.93	12.99	Complies
48	5240	12.84	12.99	Complies

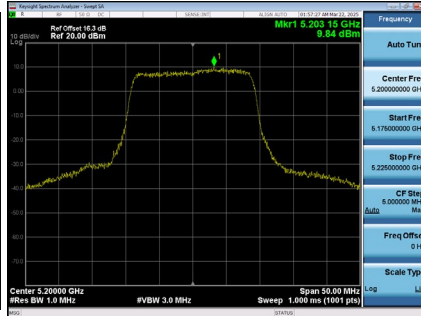
Test Mode	UNII-1_TX AC(VHT20) Mode_Ant. 1
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Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180	9.43	0.00	9.43	12.99	Complies
40	5200	9.84	0.00	9.84	12.99	Complies
48	5240	9.75	0.00	9.75	12.99	Complies

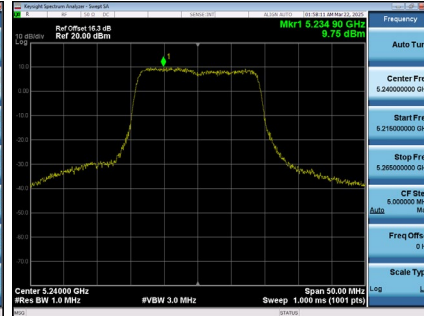
CH36



CH40



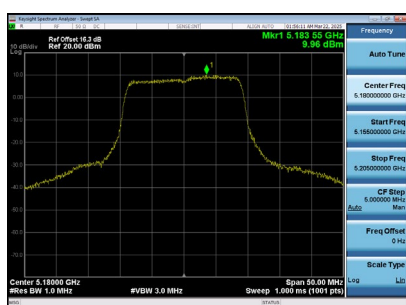
CH48



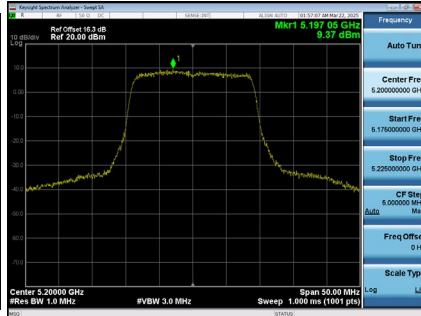
Test Mode	UNII-1_TX AC(VHT20) Mode_Ant. 2
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Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180	9.96	0.00	9.96	12.99	Complies
40	5200	9.37	0.00	9.37	12.99	Complies
48	5240	9.65	0.00	9.65	12.99	Complies

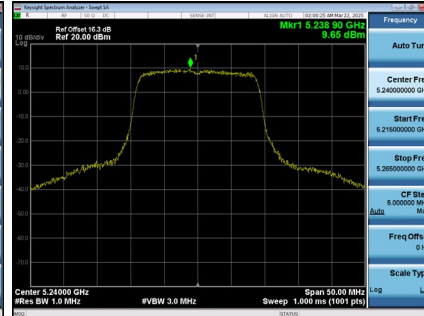
CH36



CH40



CH48



Test Mode	UNII-1_TX AC(VHT20) Mode_Total
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Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180	12.71	12.99	Complies
40	5200	12.62	12.99	Complies
48	5240	12.71	12.99	Complies