

FCC Radio Test Report

FCC ID: RWO-RZ090301

This report concerns: Class II Change

Project No. : 1903C099
Equipment : WLAN and BT, 2x2 PCIe M.2 2230 adapter card
Test Model : AX200NGW
Series Model : N/A
Applicant : Razer Inc.
Address : 201 3rd Street, Suite 900, San Francisco, CA 94103
USA

Date of Receipt : Mar. 04, 2019
Date of Test : Mar. 06, 2019 ~ Apr. 26, 2019
Issued Date : May 08, 2019
Tested by : BTL Inc.

Testing Engineer : Welly Zhou
(Welly Zhou)

Technical Manager : Steven Lu
(Steven Lu)

Authorized Signatory : Ethan Ma
(Ethan Ma)

B T L I N C .

No.3, Jinshagang 1st Road, Shixia, Dalang Town, Dongguan,
Guangdong, China.

TEL: +86-769-8318-3000 FAX: +86-769-8319-6000



Certificate #5123.02

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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 Version | Description | Issued Date |
|----------------|-------------------------------------|---------------|
| R00 | Original Issue. | Apr. 26, 2019 |
| R01 | Revised report to address comments. | Apr. 30, 2019 |
| R02 | Revised report to address comments. | May 06, 2019 |
| R03 | Revised report to address comments. | May 08, 2019 |

1. GENERAL SUMMARY

Equipment : WLAN and BT, 2x2 PCIe M.2 2230 adapter card
Brand Name : Intel® Wi-Fi 6 AX200
Test Model : AX200NGW
Series Model : N/A
Applicant : Razer Inc.
Manufacturer : Razer Inc.
Address : 201 3rd Street, Suite 900, San Francisco, CA 94103,USA
Date of Test : Mar. 06, 2019 ~ Apr. 26, 2019
Test Sample : Engineering Sample No.: D190302089
Standard(s) : FCC Part15, Subpart E(15.407)
ANSI C63.10-2013

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

The test data, data evaluation, and equipment configuration contained in our test report (Ref No. BTL-FCCP-2-1903C099) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of A2LA according to the ISO/IEC 17025 quality assessment standard and technical standard(s).

Test results included in this report are only for the UNII-1, UNII-2A, UNII-2C and UNII-3 part.

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

| FCC Part15, Subpart E(15.407) | | | | |
|-------------------------------|----------------------|-------------|-----------|--------|
| Standard(s) Section | Test Item | Test Result | Judgement | Remark |
| 15.407(a) | Maximum Output Power | APPENDIX F | PASS | ----- |

Note:

- (1) "N/A" denotes test is not applicable in this test report.
- (2) 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.
- (3) For UNII-1 this device was functioned as a
 Access point 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.3, Jinshagang 1st Road, Shixia, Dalang Town, Dongguan, Guangdong, China.

BTL's Test Firm Registration Number for FCC: 357015

BTL's Designation Number for FCC: CN1240

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 | 150 KHz ~ 30 MHz | 2.32 |

B. Radiated emissions test:

| Test Site | Method | Measurement Frequency Range | Ant. H / V | U, (dB) |
|-----------|--------|-----------------------------|------------|---------|
| DG-CB03 | CISPR | 9 kHz~30 MHz | V | 3.79 |
| | | 9 kHz~30 MHz | H | 3.57 |
| | | 30 MHz~200 MHz | V | 3.82 |
| | | 30 MHz~200 MHz | H | 3.60 |
| | | 200 MHz~1,000 MHz | V | 3.86 |
| | | 200 MHz~1,000 MHz | H | 3.94 |
| | | 1 GHz~18 GHz | V | 3.12 |
| | | 1 GHz~18 GHz | H | 3.68 |
| | | 18 GHz~40 GHz | V | 4.15 |
| | | 18 GHz~40 GHz | H | 4.14 |

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

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

| | |
|----------------------------------|---|
| Equipment | WLAN and BT, 2x2 PCIe M.2 2230 adapter card |
| Brand Name | Intel® Wi-Fi 6 AX200 |
| Test Model | AX200NGW |
| Series Model | N/A |
| Model Difference(s) | N/A |
| Power Source | 1# DC Voltage supplied from AC/DC adapter. Model: RC30-024801 2# Supplied from Li-ion battery Model: RC30-0248 |
| Power Rating | 1# Model: I/P:100-240V~3.6A 50/60Hz O/P:19.5V --- 11.8A 2# DC15.4V,5209mAh/80Wh |
| Operation Frequency | 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 | 802.11a: OFDM 802.11n: OFDM 802.11ac: OFDM 802.11ax: OFDMA |
| Bit Rate of Transmitter | 802.11a: 54/48/36/24/18/12/9/6 Mbps 802.11n: Up to 300Mbps 802.11ac: Up to 866.7 Mbps 802.11ax: Up to 2402 Mbps |
| Maximum Output Power for UNII-1 | IEEE 802.11a: 18.04 dBm (0.0637 W) IEEE 802.11n (HT20): 18.47 dBm (0.0702 W) IEEE 802.11n (HT40): 17.94 dBm (0.0622 W) IEEE 802.11ac (VHT20): 18.41 dBm (0.0693W) IEEE 802.11ac (VHT40): 17.85 dBm (0.0609 W) IEEE 802.11ac (VHT80): 15.83 dBm (0.0383 W) IEEE 802.11ac (VHT160): 14.14 dBm (0.0259 W) IEEE 802.11ax (HE20): 18.38 dBm (0.0689 W) IEEE 802.11ax (HE40): 17.80 dBm (0.0603 W) IEEE 802.11ax (HE80): 17.80 dBm (0.0603 W) IEEE 802.11ax (HE160): 14.21 dBm (0.0263 W) |
| Maximum Output Power for UNII-2A | IEEE 802.11a: 17.73 dBm (0.0593 W) IEEE 802.11n (HT20): 18.46 dBm (0.0701 W) IEEE 802.11n (HT40): 17.92 dBm (0.0619 W) IEEE 802.11ac (VHT20): 18.37 dBm (0.0686 W) IEEE 802.11ac (VHT40): 17.82 dBm (0.0605 W) IEEE 802.11ac (VHT80): 17.78 dBm (0.0600 W) IEEE 802.11ax (HE20): 18.31 dBm (0.0677 W) IEEE 802.11ax (HE40): 17.86 dBm (0.0610 W) IEEE 802.11ax (HE80): 17.82 dBm (0.0605 W) |

| | |
|----------------------------------|--|
| Maximum Output Power for UNII-2C | IEEE 802.11a: 17.77 dBm (0.0598 W) IEEE 802.11n (HT20): 18.37 dBm (0.0687 W) IEEE 802.11n (HT40): 18.96 dBm (0.0787 W) IEEE 802.11ac (VHT20): 18.31 dBm (0.0678 W) IEEE 802.11ac (VHT40): 18.89 dBm (0.0774 W) IEEE 802.11ac (VHT80): 18.25 dBm (0.0668 W) IEEE 802.11ac (VHT160): 14.46 dBm (0.0279 W) IEEE 802.11ax (HE20): 18.35 dBm (0.0684 W) IEEE 802.11ax (HE40): 18.22 dBm (0.0664 W) IEEE 802.11ax (HE80): 18.26 dBm (0.0670 W) IEEE 802.11ax (HE160): 14.61 dBm (0.0289 W) |
| Maximum Output Power for UNII-3 | IEEE 802.11a: 19.54 dBm (0.0899 W) IEEE 802.11n (HT20): 22.89 dBm (0.1944 W) IEEE 802.11n (HT40): 22.80 dBm (0.1905 W) IEEE 802.11ac (VHT20): 20.83dBm (0.1211 W) IEEE 802.11ac (VHT40): 20.83 dBm (0.1211 W) IEEE 802.11ac (VHT80): 18.42 dBm (0.0695 W) IEEE 802.11ax (HE20): 21.88 dBm (0.1542 W) IEEE 802.11ax (HE40): 21.97 dBm (0.1574 W) IEEE 802.11ax (HE80): 19.76 dBm (0.0947 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) IEEE 802.11ax (HE20) | | IEEE 802.11n (HT40) IEEE 802.11ac (VHT40) IEEE 802.11ax (HE40) | | IEEE 802.11ac (VHT80) IEEE 802.11ax (HE80) | |
|--|-----------------|--|-----------------|---|-----------------|
| 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 802.11ax (HE20) | | IEEE 802.11n (HT40) IEEE 802.11ac (VHT40) IEEE 802.11ax (HE40) | | IEEE 802.11ac (VHT80) IEEE 802.11ax (HE80) | |
|--|-----------------|--|-----------------|---|-----------------|
| UNII-2A | | UNII-2A | | UNII-2A | |
| Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| 52 | 5260 | 54 | 5270 | 58 | 5290 |
| 56 | 5280 | 62 | 5310 | | |
| 60 | 5300 | | | | |
| 64 | 5320 | | | | |

| IEEE 802.11a IEEE 802.11n (HT20) IEEE 802.11ac (VHT20) IEEE 802.11ax (HE20) | | IEEE 802.11n (HT40) IEEE 802.11ac (VHT40) IEEE 802.11ax (HE40) | | IEEE 802.11ac (VHT80) IEEE 802.11ax (HE80) | |
|--|-----------------|--|-----------------|---|-----------------|
| UNII-2C | | UNII-2C | | UNII-2C | |
| Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| 100 | 5500 | 102 | 5510 | 106 | 5530 |
| 104 | 5520 | 110 | 5550 | 122 | 5610 |
| 108 | 5540 | 118 | 5590 | 138 | 5690 |
| 112 | 5560 | 126 | 5630 | | |
| 116 | 5580 | 134 | 5670 | | |
| 120 | 5600 | 142 | 5710 | | |
| 124 | 5620 | | | | |
| 128 | 5640 | | | | |
| 132 | 5660 | | | | |
| 136 | 5680 | | | | |
| 140 | 5700 | | | | |
| 144 | 5720 | | | | |

| IEEE 802.11a IEEE 802.11n (HT20) IEEE 802.11ac (VHT20) IEEE 802.11ax (HE20) | | IEEE 802.11n (HT40) IEEE 802.11ac (VHT40) IEEE 802.11ax (HE40) | | IEEE 802.11ac (VHT80) IEEE 802.11ax (HE80) | |
|--|-----------------|--|-----------------|---|-----------------|
| 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 | | | | |

| 802.11ac 160 MHz 802.11ax 160 MHz | |
|--------------------------------------|-----------------|
| Channel | Frequency (MHz) |
| 50 | 5250 |
| 114 | 5570 |

3. Table for Filed Antenna:

| Ant. | Brand | P/N | Antenna Type | Connector | Gain(dBi) | Note |
|------|--------------|------------|--------------|-----------|-----------|---------|
| 1 | molex | 2065720301 | PIFA | N/A | 3.48 | UNII-1 |
| 1 | molex | 2065720301 | PIFA | N/A | 3.55 | UNII-2A |
| 1 | molex | 2065720301 | PIFA | N/A | 4.42 | UNII-2C |
| 1 | molex | 2065720301 | PIFA | N/A | 4.79 | UNII-3 |
| 2 | molex | 2065720401 | PIFA | N/A | 3.33 | UNII-1 |
| 2 | molex | 2065720401 | PIFA | N/A | 3.41 | UNII-2A |
| 2 | molex | 2065720401 | PIFA | N/A | 4.31 | UNII-2C |
| 2 | molex | 2065720401 | PIFA | N/A | 4.58 | UNII-3 |

Note:

- 1) The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and receivers (2T2R).
- 2) Antenna 1 refers to antenna A also refers to aux antenna.
Antenna 2 refers to antenna B also refers to main antenna.

4. The worst case for 2TX as follow:

| Operating Mode | TX Mode | 1TX | 2TX |
|------------------|---------|---------|---------------------|
| | | 802.11a | V (Ant. 2) |
| 802.11n(20MHz) | | - | V (Ant. 1 + Ant. 2) |
| 802.11n(40MHz) | | - | V (Ant. 1 + Ant. 2) |
| 802.11ac(20MHz) | | - | V (Ant. 1 + Ant. 2) |
| 802.11ac(40MHz) | | - | V (Ant. 1 + Ant. 2) |
| 802.11ac(80MHz) | | - | V (Ant. 1 + Ant. 2) |
| 802.11ax(20MHz) | | - | V (Ant. 1 + Ant. 2) |
| 802.11ax(40MHz) | | - | V (Ant. 1 + Ant. 2) |
| 802.11ax(80MHz) | | - | V (Ant. 1 + Ant. 2) |
| 802.11ac(160MHz) | | - | V (Ant. 1 + Ant. 2) |
| 802.11ax(160MHz) | | - | 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 / CH36, CH40, CH48 (UNII-1) |
| Mode 2 | TX N (HT20) Mode / CH36, CH40, CH48 (UNII-1) |
| Mode 3 | TX N (HT40) Mode / CH38, CH46 (UNII-1) |
| Mode 4 | TX AC (VHT20) Mode / CH36, CH40, CH48 (UNII-1) |
| Mode 5 | TX AC (VHT40) Mode / CH38, CH46 (UNII-1) |
| Mode 6 | TX AC (VHT80) Mode / CH42 (UNII-1) |
| Mode 7 | TX AC (VHT160) Mode / CH50 (UNII-1) |
| Mode 8 | TX AX (HE20) Mode / CH36, CH40, CH48 (UNII-1) |
| Mode 9 | TX AX (HE40) Mode / CH38, CH46 (UNII-1) |
| Mode 10 | TX AX (HE80) Mode / CH42 (UNII-1) |
| Mode 11 | TX AX (HE160) Mode / CH50 (UNII-1) |
| Mode 12 | TX A Mode / CH52, CH60, CH64 (UNII-2A) |
| Mode 13 | TX N (HT20) Mode / CH52, CH60, CH64 (UNII-2A) |
| Mode 14 | TX N (HT40) Mode / CH54, CH62 (UNII-2A) |
| Mode 15 | TX AC (VHT20) Mode / CH52, CH60, CH64 (UNII-2A) |
| Mode 16 | TX AC (VHT40) Mode / CH54, CH62 (UNII-2A) |
| Mode 17 | TX AC (VHT80) Mode / CH58 (UNII-2A) |
| Mode 18 | TX AX (HE20) Mode / CH52, CH60, CH64 (UNII-2A) |
| Mode 19 | TX AX (HE40) Mode / CH54, CH62 (UNII-2A) |
| Mode 20 | TX AX (HE80) Mode / CH58 (UNII-2A) |
| Mode 21 | TX A Mode / CH100, CH116, CH140 (UNII-2C) |
| Mode 22 | TX N (HT20) Mode / CH100, CH116, CH140, CH144 (UNII-2C) |
| Mode 23 | TX N (HT40) Mode / CH102, CH110, CH134, CH142 (UNII-2C) |
| Mode 24 | TX AC (VHT20) Mode / CH100, CH116, CH140 (UNII-2C) |
| Mode 25 | TX AC (VHT40) Mode / CH102, CH110, CH134 (UNII-2C) |
| Mode 26 | TX AC (VHT80) Mode / CH106, CH122 (UNII-2C) |
| Mode 27 | TX AC (VHT160) Mode / CH114 (UNII-2C) |
| Mode 28 | TX AX (HE20) Mode / CH100, CH116, CH140, CH144 (UNII-2C) |
| Mode 29 | TX AX (HE40) Mode / CH102, CH110, CH134, CH142 (UNII-2C) |
| Mode 30 | TX AX (HE80) Mode / CH106, CH138 (UNII-2C) |
| Mode 31 | TX AX (HE160) Mode / CH 114 (UNII-2C) |
| Mode 32 | TX A Mode / CH149,CH157,CH165 (UNII-3) |
| Mode 33 | TX N (HT20) Mode / CH149,CH157,CH165 (UNII-3) |
| Mode 34 | TX N (HT40) Mode / CH151,CH159 (UNII-3) |

| | |
|---------|---|
| Mode 35 | TX AC (VHT20) Mode / CH149,CH157,CH165 (UNII-3) |
| Mode 36 | TX AC (VHT40) Mode / CH151,CH159 (UNII-3) |
| Mode 37 | TX AC (VHT80) Mode / CH155 (UNII-3) |
| Mode 38 | TX AX (HE20) Mode / CH149,CH157,CH165 (UNII-3) |
| Mode 39 | TX AX (HE40) Mode / CH151,CH159 (UNII-3) |
| Mode 40 | TX AX (HE80) Mode / CH155 (UNII-3) |

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

| Maximum Output Power test | |
|---------------------------|---|
| Final Test Mode | Description |
| Mode 1 | TX A Mode / CH36, CH40, CH48 (UNII-1) |
| Mode 2 | TX N (HT20) Mode / CH36, CH40, CH48 (UNII-1) |
| Mode 3 | TX N (HT40) Mode / CH38, CH46 (UNII-1) |
| Mode 4 | TX AC (VHT20) Mode / CH36, CH40, CH48 (UNII-1) |
| Mode 5 | TX AC (VHT40) Mode / CH38, CH46 (UNII-1) |
| Mode 6 | TX AC (VHT80) Mode / CH42 (UNII-1) |
| Mode 7 | TX AC (VHT160) Mode / CH50 (UNII-1) |
| Mode 8 | TX AX (HE20) Mode / CH36, CH40, CH48 (UNII-1) |
| Mode 9 | TX AX (HE40) Mode / CH38, CH46 (UNII-1) |
| Mode 10 | TX AX (HE80) Mode / CH42 (UNII-1) |
| Mode 11 | TX AX (HE160) Mode / CH50 (UNII-1) |
| Mode 12 | TX A Mode / CH52, CH60, CH64 (UNII-2A) |
| Mode 13 | TX N (HT20) Mode / CH52, CH60, CH64 (UNII-2A) |
| Mode 14 | TX N (HT40) Mode / CH54, CH62 (UNII-2A) |
| Mode 15 | TX AC (VHT20) Mode / CH52, CH60, CH64 (UNII-2A) |
| Mode 16 | TX AC (VHT40) Mode / CH54, CH62 (UNII-2A) |
| Mode 17 | TX AC (VHT80) Mode / CH58 (UNII-2A) |
| Mode 18 | TX AX (HE20) Mode / CH52, CH60, CH64 (UNII-2A) |
| Mode 19 | TX AX (HE40) Mode / CH54, CH62 (UNII-2A) |
| Mode 20 | TX AX (HE80) Mode / CH58 (UNII-2A) |
| Mode 21 | TX A Mode / CH100, CH116, CH140 (UNII-2C) |
| Mode 22 | TX N (HT20) Mode / CH100, CH116, CH140, CH144 (UNII-2C) |
| Mode 23 | TX N (HT40) Mode / CH102, CH110, CH134, CH142 (UNII-2C) |
| Mode 24 | TX AC (VHT20) Mode / CH100, CH116, CH140 (UNII-2C) |
| Mode 25 | TX AC (VHT40) Mode / CH102, CH110, CH134 (UNII-2C) |
| Mode 26 | TX AC (VHT80) Mode / CH106, CH122 (UNII-2C) |
| Mode 27 | TX AC (VHT160) Mode / CH114 (UNII-2C) |

| | |
|---------|--|
| Mode 28 | TX AX (HE20) Mode / CH100, CH116, CH140, CH144 (UNII-2C) |
| Mode 29 | TX AX (HE40) Mode / CH102, CH110, CH134, CH142 (UNII-2C) |
| Mode 30 | TX AX (HE80) Mode / CH106, CH138 (UNII-2C) |
| Mode 31 | TX AX (HE160) Mode / CH 114 (UNII-2C) |
| Mode 32 | TX A Mode / CH149,CH157,CH165 (UNII-3) |
| Mode 33 | TX N (HT20) Mode / CH149,CH157,CH165 (UNII-3) |
| Mode 34 | TX N (HT40) Mode / CH151,CH159 (UNII-3) |
| Mode 35 | TX AC (VHT20) Mode / CH149,CH157,CH165 (UNII-3) |
| Mode 36 | TX AC (VHT40) Mode / CH151,CH159 (UNII-3) |
| Mode 37 | TX AC (VHT80) Mode / CH155 (UNII-3) |
| Mode 38 | TX AX (HE20) Mode / CH149,CH157,CH165 (UNII-3) |
| Mode 39 | TX AX (HE40) Mode / CH151,CH159 (UNII-3) |
| Mode 40 | TX AX (HE80) Mode / CH155 (UNII-3) |

Note:

The measurements for Maximum Output Power of 802.11ax mode were tested during full bandwidth resource unit, it was the worst case.

3.3 PARAMETERS OF TEST SOFTWARE

| UNII-1 | | | |
|------------------------|-------------|-------------|---------|
| Test Software | DRTU | | |
| Test Frequency (MHz) | 5180 | 5200 | 5240 |
| IEEE 802.11a | 17.75 | 17.75 | 12.25 |
| IEEE 802.11n (HT20) | 14.75/15 | 14.75/14.75 | 9.5/9.5 |
| IEEE 802.11ac (VHT20) | 14.75/15 | 14.75/14.75 | 9.5/9.5 |
| IEEE 802.11ax (HE20) | 14.75/14.75 | 14.75/14.75 | 9.5/9.5 |
| Test Frequency (MHz) | 5190 | 5230 | |
| IEEE 802.11n (HT40) | 14.25/14.25 | 12.25/14.25 | |
| IEEE 802.11ac (VHT40) | 14.25/14.25 | 12.25/14.25 | |
| IEEE 802.11ax (HE40) | 14.25/14.25 | 14.25/14.25 | |
| Test Frequency (MHz) | 5210 | | |
| IEEE 802.11ac (VHT80) | 12.5/12.5 | | |
| IEEE 802.11ax (HE80) | 14.5/14.5 | | |
| Test Frequency (MHz) | 5250 | | |
| IEEE 802.11ac (VHT160) | 11.5/11.5 | | |
| IEEE 802.11ax (HE160) | 11.5/11.5 | | |

| UNII-2A | | | |
|-----------------------|------------|-------------|-------------|
| Test Software | DRTU | | |
| Test Frequency (MHz) | 5260 | 5300 | 5320 |
| IEEE 802.11a | 17.75 | 17.75 | 17.75 |
| IEEE 802.11n (HT20) | 15/15 | 15/15 | 14.5/14.75 |
| IEEE 802.11ac (VHT20) | 14.75/15 | 14.75/15 | 14.5/14.75 |
| IEEE 802.11ax (HE20) | 15/15 | 14.75/14.75 | 14.75/14.75 |
| Test Frequency (MHz) | 5270 | 5310 | |
| IEEE 802.11n (HT40) | 14.25/14.5 | 13.25/13.25 | |
| IEEE 802.11ac (VHT40) | 14.25/14.5 | 13.25/13.25 | |
| IEEE 802.11ax (HE40) | 14.25/14.5 | 13.25/13.25 | |
| Test Frequency (MHz) | 5290 | | |
| IEEE 802.11ac (VHT80) | 14.25/14.5 | | |
| IEEE 802.11ax (HE80) | 14.25/14.5 | | |

| UNII-2C | | | | |
|------------------------|-------------|-------------|------------|------------|
| Test Software | DRTU | | | |
| Test Frequency (MHz) | 5500 | 5580 | 5700 | 5720 |
| IEEE 802.11a | 18 | 17.5 | 16.5 | |
| IEEE 802.11n (HT20) | 15/15.25 | 15.25/15.25 | 15/15.25 | 10.5/10.5 |
| IEEE 802.11ac (VHT20) | 14.75/15.25 | 15.25/15.25 | 15/15.25 | 10.5/10.5 |
| IEEE 802.11ax (HE20) | 15/15 | 15.25/14.25 | 15/15 | 10.5/10.5 |
| Test Frequency (MHz) | 5510 | 5550 | 5670 | 5710 |
| IEEE 802.11n (HT40) | 15/15 | 15.5/15.25 | 16/15.75 | 15.0/15.25 |
| IEEE 802.11ac (VHT40) | 14.75/15 | 14.5/14.25 | 15.5/15.25 | 15/15.25 |
| IEEE 802.11ax (HE40) | 17/17 | 17/17 | 17/17 | 15.25/15 |
| Test Frequency (MHz) | 5530 | 5610 | 5690 | |
| IEEE 802.11ac (VHT80) | 15/15.258 | 15/15.25 | 15.25/15 | |
| IEEE 802.11ax (HE80) | 15/15.25 | 15/15.25 | 15.25/15 | |
| Test Frequency (MHz) | 5570 | | | |
| IEEE 802.11ac (VHT160) | 11.75/11.75 | | | |
| IEEE 802.11ax (HE160) | 11.75/11.75 | | | |

| UNII-3 | | | |
|-----------------------|------------|------------|------------|
| Test Software | DRTU | | |
| Test Frequency (MHz) | 5745 | 5785 | 5825 |
| IEEE 802.11a | 20.5 | 20.5 | 20.5 |
| IEEE 802.11n (HT20) | 17.5/18.25 | 17.5/18.25 | 17.5/18.25 |
| IEEE 802.11ac (VHT20) | 17.5/18.25 | 17.5/18.25 | 17.5/18.25 |
| IEEE 802.11ax (HE20) | 20/20 | 20/20 | 20/20 |
| Test Frequency (MHz) | 5755 | 5795 | |
| IEEE 802.11n (HT40) | 20/20 | 20.5/20.5 | |
| IEEE 802.11ac (VHT40) | 17.5/17.5 | 17.5/17.5 | |
| IEEE 802.11ax (HE40) | 20/20 | 20/20 | |
| Test Frequency (MHz) | 5775 | | |
| IEEE 802.11ac (VHT80) | 15/15.75 | | |
| IEEE 802.11ax (HE80) | 15.5/16 | | |

4. MAXIMUM OUTPUT POWER TEST

4.1 LIMIT

| FCC Part15, Subpart E (15.407) | | | |
|--------------------------------|----------------------|--|-----------------------|
| Section | Test Item | Limit | Frequency Range (MHz) |
| 15.407(a) | Maximum Output Power | AP device: 1 Watt (30 dBm) Client device: 250 mW (24 dBm) | 5150-5250 |
| | | 250 mW (24 dBm) | 5250-5350 |
| | | 250 mW (24 dBm) | 5470-5725 |
| | | 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).
- b. 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.

4.2 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- b. Used spectrum analyzer band power measurement function.
- c. Spectrum Setting

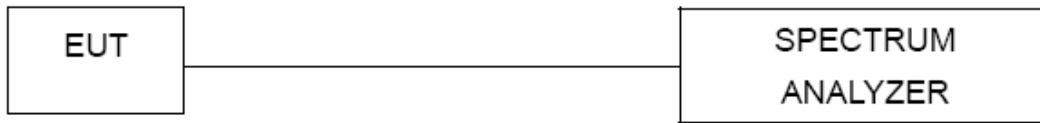
| Spectrum Parameter | Setting |
|--------------------|---|
| Attenuation | Auto |
| Span Frequency | Encompass the entire emissions bandwidth (EBW) of the signal |
| RBW | = 1 MHz. |
| VBW | ≥ 3 MHz. |
| Sweep points | ≥ 2 x span / RBW |
| Detector | RMS |
| Trace | Trace average at least 100 traces in power averaging(rms) mode. |
| Sweep Time | auto |

- d. Test test was performed in accordance with method of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

4.3 DEVIATION FROM STANDARD

No deviation.

4.4 TEST SETUP



4.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

4.6 EUT TEST CONDITIONS

Temperature: 23°C Relative Humidity: 62% Test Voltage: AC 230V/50Hz

4.7 TEST RESULTS

Please refer to the APPENDIX A.

5. MEASUREMENT INSTRUMENTS LIST

| Maximum Output Power | | | | | |
|----------------------|-------------------|--------------|----------|------------|------------------|
| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
| 1 | Spectrum Analyzer | R&S | FSP40 | 100185 | Aug. 11, 2019 |

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

APPENDIX A - MAXIMUM OUTPUT POWER

| | |
|-----------|------------------|
| Test Mode | UNII-1_TX A Mode |
|-----------|------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 36 | 5180 | 17.94 | 0.0622 | 24.00 | 0.25 | Complies |
| 40 | 5200 | 18.04 | 0.0637 | 24.00 | 0.25 | Complies |
| 48 | 5240 | 12.38 | 0.0173 | 24.00 | 0.25 | Complies |

| | |
|-----------|------------------------------|
| Test Mode | UNII-1_TX N (HT20) Mode_ANT1 |
|-----------|------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 36 | 5180 | 15.48 | 0.0353 | 24.00 | 0.25 | Complies |
| 40 | 5200 | 15.31 | 0.0340 | 24.00 | 0.25 | Complies |
| 48 | 5240 | 9.89 | 0.0097 | 24.00 | 0.25 | Complies |

| | |
|-----------|------------------------------|
| Test Mode | UNII-1_TX N (HT20) Mode_ANT2 |
|-----------|------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 36 | 5180 | 15.43 | 0.0349 | 24.00 | 0.25 | Complies |
| 40 | 5200 | 15.24 | 0.0334 | 24.00 | 0.25 | Complies |
| 48 | 5240 | 9.88 | 0.0097 | 24.00 | 0.25 | Complies |

| | |
|-----------|-------------------------------|
| Test Mode | UNII-1_TX N (HT20) Mode_Total |
|-----------|-------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 36 | 5180 | 18.47 | 0.0702 | 24.00 | 0.25 | Complies |
| 40 | 5200 | 18.29 | 0.0674 | 24.00 | 0.25 | Complies |
| 48 | 5240 | 12.90 | 0.0195 | 24.00 | 0.25 | Complies |

| | |
|-----------|------------------------------|
| Test Mode | UNII-1_TX N (HT40) Mode_ANT1 |
|-----------|------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 38 | 5190 | 14.96 | 0.0313 | 24.00 | 0.25 | Complies |
| 46 | 5230 | 14.91 | 0.0310 | 24.00 | 0.25 | Complies |

| | |
|-----------|------------------------------|
| Test Mode | UNII-1_TX N (HT40) Mode_ANT2 |
|-----------|------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 38 | 5190 | 14.89 | 0.0308 | 24.00 | 0.25 | Complies |
| 46 | 5230 | 14.82 | 0.0303 | 24.00 | 0.25 | Complies |

| | |
|-----------|-------------------------------|
| Test Mode | UNII-1_TX N (HT40) Mode_Total |
|-----------|-------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 38 | 5190 | 17.94 | 0.0622 | 24.00 | 0.25 | Complies |
| 46 | 5230 | 17.88 | 0.0613 | 24.00 | 0.25 | Complies |

| | |
|-----------|-------------------|
| Test Mode | UNII-2A_TX A Mode |
|-----------|-------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 52 | 5260 | 17.73 | 0.0593 | 24.00 | 0.25 | Complies |
| 60 | 5300 | 17.57 | 0.0571 | 24.00 | 0.25 | Complies |
| 64 | 5320 | 17.45 | 0.0556 | 24.00 | 0.25 | Complies |

| | |
|-----------|-------------------------------|
| Test Mode | UNII-2A_TX N (HT20) Mode_ANT1 |
|-----------|-------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 52 | 5260 | 15.46 | 0.0352 | 24.00 | 0.25 | Complies |
| 60 | 5300 | 15.42 | 0.0348 | 24.00 | 0.25 | Complies |
| 64 | 5320 | 14.85 | 0.0305 | 24.00 | 0.25 | Complies |

| | |
|-----------|-------------------------------|
| Test Mode | UNII-2A_TX N (HT20) Mode_ANT2 |
|-----------|-------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 52 | 5260 | 15.43 | 0.0349 | 24.00 | 0.25 | Complies |
| 60 | 5300 | 15.26 | 0.0336 | 24.00 | 0.25 | Complies |
| 64 | 5320 | 14.93 | 0.0311 | 24.00 | 0.25 | Complies |

| | |
|-----------|--------------------------------|
| Test Mode | UNII-2A_TX N (HT20) Mode_Total |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 52 | 5260 | 18.46 | 0.0701 | 24.00 | 0.25 | Complies |
| 60 | 5300 | 18.35 | 0.0684 | 24.00 | 0.25 | Complies |
| 64 | 5320 | 17.90 | 0.0617 | 24.00 | 0.25 | Complies |

| | |
|-----------|-------------------------------|
| Test Mode | UNII-2A_TX N (HT40) Mode_ANT1 |
|-----------|-------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 54 | 5270 | 14.89 | 0.0308 | 24.00 | 0.25 | Complies |
| 62 | 5310 | 14.23 | 0.0265 | 24.00 | 0.25 | Complies |

| | |
|-----------|-------------------------------|
| Test Mode | UNII-2A_TX N (HT40) Mode_ANT2 |
|-----------|-------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 54 | 5270 | 14.92 | 0.0310 | 24.00 | 0.25 | Complies |
| 62 | 5310 | 14.16 | 0.0261 | 24.00 | 0.25 | Complies |

| | |
|-----------|--------------------------------|
| Test Mode | UNII-2A_TX N (HT40) Mode_Total |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 54 | 5270 | 17.92 | 0.0619 | 24.00 | 0.25 | Complies |
| 62 | 5310 | 17.21 | 0.0525 | 24.00 | 0.25 | Complies |

| | |
|-----------|-------------------|
| Test Mode | UNII-2C_TX A Mode |
|-----------|-------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 100 | 5500 | 17.77 | 0.0598 | 24.00 | 0.25 | Complies |
| 116 | 5580 | 17.18 | 0.0522 | 24.00 | 0.25 | Complies |
| 140 | 5700 | 16.56 | 0.0453 | 24.00 | 0.25 | Complies |

| | |
|-----------|-------------------------------|
| Test Mode | UNII-2C_TX N (HT20) Mode_ANT1 |
|-----------|-------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 100 | 5500 | 15.37 | 0.0344 | 24.00 | 0.25 | Complies |
| 116 | 5580 | 15.34 | 0.0342 | 24.00 | 0.25 | Complies |
| 140 | 5700 | 15.36 | 0.0344 | 24.00 | 0.25 | Complies |
| 144 | 5720 | 10.15 | 0.0104 | 24.00 | 0.25 | Complies |

| | |
|-----------|-------------------------------|
| Test Mode | UNII-2C_TX N (HT20) Mode_ANT2 |
|-----------|-------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 100 | 5500 | 15.32 | 0.0340 | 24.00 | 0.25 | Complies |
| 116 | 5580 | 15.38 | 0.0345 | 24.00 | 0.25 | Complies |
| 140 | 5700 | 15.35 | 0.0343 | 24.00 | 0.25 | Complies |
| 144 | 5720 | 10.24 | 0.0106 | 24.00 | 0.25 | Complies |

| | |
|-----------|--------------------------------|
| Test Mode | UNII-2C_TX N (HT20) Mode_Total |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 100 | 5500 | 18.36 | 0.0685 | 24.00 | 0.25 | Complies |
| 116 | 5580 | 18.37 | 0.0687 | 24.00 | 0.25 | Complies |
| 140 | 5700 | 18.37 | 0.0687 | 24.00 | 0.25 | Complies |
| 144 | 5720 | 13.21 | 0.0209 | 24.00 | 0.25 | Complies |

| | |
|-----------|-------------------------------|
| Test Mode | UNII-2C_TX N (HT40) Mode_ANT1 |
|-----------|-------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 102 | 5510 | 15.78 | 0.0378 | 24.00 | 0.25 | Complies |
| 110 | 5550 | 15.72 | 0.0373 | 24.00 | 0.25 | Complies |
| 134 | 5670 | 16.05 | 0.0403 | 24.00 | 0.25 | Complies |
| 142 | 5710 | 15.12 | 0.0325 | 24.00 | 0.25 | Complies |

| | |
|-----------|-------------------------------|
| Test Mode | UNII-2C_TX N (HT40) Mode_ANT2 |
|-----------|-------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 102 | 5510 | 15.99 | 0.0397 | 24.00 | 0.25 | Complies |
| 110 | 5550 | 15.89 | 0.0388 | 24.00 | 0.25 | Complies |
| 134 | 5670 | 15.85 | 0.0385 | 24.00 | 0.25 | Complies |
| 142 | 5710 | 15.25 | 0.0335 | 24.00 | 0.25 | Complies |

| | |
|-----------|--------------------------------|
| Test Mode | UNII-2C_TX N (HT40) Mode_Total |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 102 | 5510 | 18.90 | 0.0776 | 24.00 | 0.25 | Complies |
| 110 | 5550 | 18.82 | 0.0761 | 24.00 | 0.25 | Complies |
| 134 | 5670 | 18.96 | 0.0787 | 24.00 | 0.25 | Complies |
| 142 | 5710 | 18.20 | 0.0661 | 24.00 | 0.25 | Complies |

| | |
|-----------|------------------|
| Test Mode | UNII-3_TX A Mode |
|-----------|------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 149 | 5745 | 19.38 | 0.0867 | 30.00 | 1.00 | Complies |
| 157 | 5785 | 19.54 | 0.0899 | 30.00 | 1.00 | Complies |
| 165 | 5825 | 19.53 | 0.0897 | 30.00 | 1.00 | Complies |

| | |
|-----------|------------------------------|
| Test Mode | UNII-3_TX N (HT20) Mode_ANT1 |
|-----------|------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 149 | 5745 | 19.96 | 0.0991 | 30.00 | 1.00 | Complies |
| 157 | 5785 | 20.07 | 0.1016 | 30.00 | 1.00 | Complies |
| 165 | 5825 | 19.95 | 0.0989 | 30.00 | 1.00 | Complies |

| | |
|-----------|------------------------------|
| Test Mode | UNII-3_TX N (HT20) Mode_ANT2 |
|-----------|------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 149 | 5745 | 19.49 | 0.0889 | 30.00 | 1.00 | Complies |
| 157 | 5785 | 19.53 | 0.0897 | 30.00 | 1.00 | Complies |
| 165 | 5825 | 19.80 | 0.0955 | 30.00 | 1.00 | Complies |

| | |
|-----------|-------------------------------|
| Test Mode | UNII-3_TX N (HT20) Mode_Total |
|-----------|-------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 149 | 5745 | 22.74 | 0.1880 | 30.00 | 1.00 | Complies |
| 157 | 5785 | 22.82 | 0.1914 | 30.00 | 1.00 | Complies |
| 165 | 5825 | 22.89 | 0.1944 | 30.00 | 1.00 | Complies |

| | |
|-----------|------------------------------|
| Test Mode | UNII-3_TX N (HT40) Mode_ANT1 |
|-----------|------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 151 | 5755 | 19.66 | 0.0925 | 30.00 | 1.00 | Complies |
| 159 | 5795 | 19.96 | 0.0991 | 30.00 | 1.00 | Complies |

| | |
|-----------|------------------------------|
| Test Mode | UNII-3_TX N (HT40) Mode_ANT2 |
|-----------|------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 151 | 5755 | 19.36 | 0.0863 | 30.00 | 1.00 | Complies |
| 159 | 5795 | 19.61 | 0.0914 | 30.00 | 1.00 | Complies |

| | |
|-----------|-------------------------------|
| Test Mode | UNII-3_TX N (HT40) Mode_Total |
|-----------|-------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 151 | 5755 | 22.52 | 0.1788 | 30.00 | 1.00 | Complies |
| 159 | 5795 | 22.80 | 0.1905 | 30.00 | 1.00 | Complies |

| | |
|-----------|--------------------------------|
| Test Mode | UNII-1_TX AC (VHT20) Mode_ANT1 |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 36 | 5180 | 15.42 | 0.0348 | 24.00 | 0.25 | Complies |
| 40 | 5200 | 15.28 | 0.0337 | 24.00 | 0.25 | Complies |
| 48 | 5240 | 9.86 | 0.0097 | 24.00 | 0.25 | Complies |

| | |
|-----------|--------------------------------|
| Test Mode | UNII-1_TX AC (VHT20) Mode_ANT2 |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 36 | 5180 | 15.37 | 0.0344 | 24.00 | 0.25 | Complies |
| 40 | 5200 | 15.18 | 0.0330 | 24.00 | 0.25 | Complies |
| 48 | 5240 | 9.79 | 0.0095 | 24.00 | 0.25 | Complies |

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

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 36 | 5180 | 18.41 | 0.0693 | 24.00 | 0.25 | Complies |
| 40 | 5200 | 18.24 | 0.0667 | 24.00 | 0.25 | Complies |
| 48 | 5240 | 12.84 | 0.0192 | 24.00 | 0.25 | Complies |

| | |
|-----------|--------------------------------|
| Test Mode | UNII-1_TX AC (VHT40) Mode_ANT1 |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 38 | 5190 | 14.84 | 0.0305 | 24.00 | 0.25 | Complies |
| 46 | 5230 | 12.79 | 0.0190 | 24.00 | 0.25 | Complies |

| | |
|-----------|--------------------------------|
| Test Mode | UNII-1_TX AC (VHT40) Mode_ANT2 |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 38 | 5190 | 14.83 | 0.0304 | 24.00 | 0.25 | Complies |
| 46 | 5230 | 12.78 | 0.0190 | 24.00 | 0.25 | Complies |

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

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 38 | 5190 | 17.85 | 0.0609 | 24.00 | 0.25 | Complies |
| 46 | 5230 | 15.80 | 0.0380 | 24.00 | 0.25 | Complies |

| | |
|-----------|--------------------------------|
| Test Mode | UNII-1_TX AC (VHT80) Mode_ANT1 |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 42 | 5210 | 12.88 | 0.0194 | 24.00 | 0.25 | Complies |

| | |
|-----------|--------------------------------|
| Test Mode | UNII-1_TX AC (VHT80) Mode_ANT2 |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 42 | 5210 | 12.76 | 0.0189 | 24.00 | 0.25 | Complies |

| | |
|-----------|---------------------------------|
| Test Mode | UNII-1_TX AC (VHT80) Mode_Total |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 42 | 5210 | 15.83 | 0.0383 | 24.00 | 0.25 | Complies |

| | |
|-----------|---------------------------------|
| Test Mode | UNII-1_TX AC (VHT160) Mode_ANT1 |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 50 | 5250 | 11.13 | 0.0130 | 24.00 | 0.25 | Complies |

| | |
|-----------|---------------------------------|
| Test Mode | UNII-1_TX AC (VHT160) Mode_ANT2 |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 50 | 5250 | 11.12 | 0.0129 | 24.00 | 0.25 | Complies |

| | |
|-----------|----------------------------------|
| Test Mode | UNII-1_TX AC (VHT160) Mode_Total |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 50 | 5250 | 14.14 | 0.0259 | 24.00 | 0.25 | Complies |

| | |
|-----------|--------------------------------|
| Test Mode | UNII-1_TX AX (HE20) Mode_ ANT1 |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 36 | 5180 | 15.42 | 0.0348 | 24.00 | 0.25 | Complies |
| 40 | 5200 | 15.34 | 0.0342 | 24.00 | 0.25 | Complies |
| 48 | 5240 | 9.87 | 0.0097 | 24.00 | 0.25 | Complies |

| | |
|-----------|--------------------------------|
| Test Mode | UNII-1_TX AX (HE20) Mode_ ANT2 |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 36 | 5180 | 15.32 | 0.0340 | 24.00 | 0.25 | Complies |
| 40 | 5200 | 15.31 | 0.0340 | 24.00 | 0.25 | Complies |
| 48 | 5240 | 9.74 | 0.0094 | 24.00 | 0.25 | Complies |

| | |
|-----------|---------------------------------|
| Test Mode | UNII-1_TX AX (HE20) Mode_ Total |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 36 | 5180 | 18.38 | 0.0689 | 24.00 | 0.25 | Complies |
| 40 | 5200 | 18.34 | 0.0682 | 24.00 | 0.25 | Complies |
| 48 | 5240 | 12.82 | 0.0191 | 24.00 | 0.25 | Complies |

| | |
|-----------|-------------------------------|
| Test Mode | UNII-1_TX AX (HE40) Mode_ANT1 |
|-----------|-------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 38 | 5190 | 14.85 | 0.0305 | 24.00 | 0.25 | Complies |
| 46 | 5230 | 14.23 | 0.0265 | 24.00 | 0.25 | Complies |

| | |
|-----------|-------------------------------|
| Test Mode | UNII-1_TX AX (HE40) Mode_ANT2 |
|-----------|-------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 38 | 5190 | 14.73 | 0.0297 | 24.00 | 0.25 | Complies |
| 46 | 5230 | 14.63 | 0.0290 | 24.00 | 0.25 | Complies |

| | |
|-----------|--------------------------------|
| Test Mode | UNII-1_TX AX (HE40) Mode_Total |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 38 | 5190 | 17.80 | 0.0603 | 24.00 | 0.25 | Complies |
| 46 | 5230 | 17.44 | 0.0555 | 24.00 | 0.25 | Complies |

| | |
|-----------|-------------------------------|
| Test Mode | UNII-1_TX AX (HE80) Mode_ANT1 |
|-----------|-------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 42 | 5210 | 14.75 | 0.0299 | 24.00 | 0.25 | Complies |

| | |
|-----------|-------------------------------|
| Test Mode | UNII-1_TX AX (HE80) Mode_ANT2 |
|-----------|-------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 42 | 5210 | 14.82 | 0.0303 | 24.00 | 0.25 | Complies |

| | |
|-----------|--------------------------------|
| Test Mode | UNII-1_TX AX (HE80) Mode_Total |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 42 | 5210 | 17.80 | 0.0603 | 24.00 | 0.25 | Complies |

| | |
|-----------|--------------------------------|
| Test Mode | UNII-1_TX AX (HE160) Mode_ANT1 |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 50 | 5250 | 11.21 | 0.0132 | 24.00 | 0.25 | Complies |

| | |
|-----------|--------------------------------|
| Test Mode | UNII-1_TX AX (HE160) Mode_ANT2 |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 50 | 5250 | 11.18 | 0.0131 | 24.00 | 0.25 | Complies |

| | |
|-----------|---------------------------------|
| Test Mode | UNII-1_TX AX (HE160) Mode_Total |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 50 | 5250 | 14.21 | 0.0263 | 24.00 | 0.25 | Complies |

| | |
|-----------|---------------------------------|
| Test Mode | UNII-2A_TX AC (VHT20) Mode_ANT1 |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 52 | 5260 | 15.35 | 0.0343 | 24.00 | 0.25 | Complies |
| 60 | 5300 | 15.29 | 0.0338 | 24.00 | 0.25 | Complies |
| 64 | 5320 | 14.16 | 0.0261 | 24.00 | 0.25 | Complies |

| | |
|-----------|---------------------------------|
| Test Mode | UNII-2A_TX AC (VHT20) Mode_ANT2 |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 52 | 5260 | 15.36 | 0.0344 | 24.00 | 0.25 | Complies |
| 60 | 5300 | 15.17 | 0.0329 | 24.00 | 0.25 | Complies |
| 64 | 5320 | 14.78 | 0.0301 | 24.00 | 0.25 | Complies |

| | |
|-----------|----------------------------------|
| Test Mode | UNII-2A_TX AC (VHT20) Mode_Total |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 52 | 5260 | 18.37 | 0.0686 | 24.00 | 0.25 | Complies |
| 60 | 5300 | 18.24 | 0.0667 | 24.00 | 0.25 | Complies |
| 64 | 5320 | 17.49 | 0.0561 | 24.00 | 0.25 | Complies |

| | |
|-----------|---------------------------------|
| Test Mode | UNII-2A_TX AC (VHT40) Mode_ANT1 |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 54 | 5270 | 14.77 | 0.0300 | 24.00 | 0.25 | Complies |
| 62 | 5310 | 13.83 | 0.0242 | 24.00 | 0.25 | Complies |

| | |
|-----------|---------------------------------|
| Test Mode | UNII-2A_TX AC (VHT40) Mode_ANT2 |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 54 | 5270 | 14.85 | 0.0305 | 24.00 | 0.25 | Complies |
| 62 | 5310 | 13.88 | 0.0244 | 24.00 | 0.25 | Complies |

| | |
|-----------|----------------------------------|
| Test Mode | UNII-2A_TX AC (VHT40) Mode_Total |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 54 | 5270 | 17.82 | 0.0605 | 24.00 | 0.25 | Complies |
| 62 | 5310 | 16.87 | 0.0486 | 24.00 | 0.25 | Complies |

| | |
|-----------|---------------------------------|
| Test Mode | UNII-2A_TX AC (VHT80) Mode_ANT1 |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 58 | 5290 | 14.76 | 0.0299 | 24.00 | 0.25 | Complies |

| | |
|-----------|---------------------------------|
| Test Mode | UNII-2A_TX AC (VHT80) Mode_ANT2 |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 58 | 5290 | 14.78 | 0.0301 | 24.00 | 0.25 | Complies |

| | |
|-----------|----------------------------------|
| Test Mode | UNII-2A_TX AC (VHT80) Mode_Total |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 58 | 5290 | 17.78 | 0.0600 | 24.00 | 0.25 | Complies |

| | |
|-----------|--------------------------------|
| Test Mode | UNII-2A_TX AX (HE20) Mode_ANT1 |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 52 | 5260 | 15.27 | 0.0337 | 24.00 | 0.25 | Complies |
| 60 | 5300 | 15.33 | 0.0341 | 24.00 | 0.25 | Complies |
| 64 | 5320 | 15.23 | 0.0333 | 24.00 | 0.25 | Complies |

| | |
|-----------|--------------------------------|
| Test Mode | UNII-2A_TX AX (HE20) Mode_ANT2 |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 52 | 5260 | 15.31 | 0.0340 | 24.00 | 0.25 | Complies |
| 60 | 5300 | 15.26 | 0.0336 | 24.00 | 0.25 | Complies |
| 64 | 5320 | 15.16 | 0.0328 | 24.00 | 0.25 | Complies |

| | |
|-----------|---------------------------------|
| Test Mode | UNII-2A_TX AX (HE20) Mode_Total |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 52 | 5260 | 18.30 | 0.0676 | 24.00 | 0.25 | Complies |
| 60 | 5300 | 18.31 | 0.0677 | 24.00 | 0.25 | Complies |
| 64 | 5320 | 18.21 | 0.0662 | 24.00 | 0.25 | Complies |

| | |
|-----------|--------------------------------|
| Test Mode | UNII-2A_TX AX (HE40) Mode_ANT1 |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 54 | 5270 | 14.82 | 0.0303 | 24.00 | 0.25 | Complies |
| 62 | 5310 | 13.78 | 0.0239 | 24.00 | 0.25 | Complies |

| | |
|-----------|--------------------------------|
| Test Mode | UNII-2A_TX AX (HE40) Mode_ANT2 |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 54 | 5270 | 14.87 | 0.0307 | 24.00 | 0.25 | Complies |
| 62 | 5310 | 13.91 | 0.0246 | 24.00 | 0.25 | Complies |

| | |
|-----------|---------------------------------|
| Test Mode | UNII-2A_TX AX (HE40) Mode_Total |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 54 | 5270 | 17.86 | 0.0610 | 24.00 | 0.25 | Complies |
| 62 | 5310 | 16.86 | 0.0485 | 24.00 | 0.25 | Complies |

| | |
|-----------|--------------------------------|
| Test Mode | UNII-2A_TX AX (HE80) Mode_ANT1 |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 58 | 5290 | 14.79 | 0.0301 | 24.00 | 0.25 | Complies |

| | |
|-----------|--------------------------------|
| Test Mode | UNII-2A_TX AX (HE80) Mode_ANT2 |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 58 | 5290 | 14.83 | 0.0304 | 24.00 | 0.25 | Complies |

| | |
|-----------|---------------------------------|
| Test Mode | UNII-2A_TX AX (HE80) Mode_Total |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 58 | 5290 | 17.82 | 0.0605 | 24.00 | 0.25 | Complies |

| | |
|-----------|---------------------------------|
| Test Mode | UNII-2C_TX AC (VHT20) Mode_ANT1 |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 100 | 5500 | 15.36 | 0.0344 | 24.00 | 0.25 | Complies |
| 116 | 5580 | 15.28 | 0.0337 | 24.00 | 0.25 | Complies |
| 140 | 5700 | 15.31 | 0.0340 | 24.00 | 0.25 | Complies |
| 144 | 5720 | 10.12 | 0.0103 | 24.00 | 0.25 | Complies |

| | |
|-----------|---------------------------------|
| Test Mode | UNII-2C_TX AC (VHT20) Mode_ANT2 |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 100 | 5500 | 15.23 | 0.0333 | 24.00 | 0.25 | Complies |
| 116 | 5580 | 15.32 | 0.0340 | 24.00 | 0.25 | Complies |
| 140 | 5700 | 15.29 | 0.0338 | 24.00 | 0.25 | Complies |
| 144 | 5720 | 10.16 | 0.0104 | 24.00 | 0.25 | Complies |

| | |
|-----------|----------------------------------|
| Test Mode | UNII-2C_TX AC (VHT20) Mode_Total |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 100 | 5500 | 18.31 | 0.0678 | 24.00 | 0.25 | Complies |
| 116 | 5580 | 18.31 | 0.0678 | 24.00 | 0.25 | Complies |
| 140 | 5700 | 18.31 | 0.0678 | 24.00 | 0.25 | Complies |
| 144 | 5720 | 13.15 | 0.0207 | 24.00 | 0.25 | Complies |

| | |
|-----------|---------------------------------|
| Test Mode | UNII-2C_TX AC (VHT40) Mode_ANT1 |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 102 | 5510 | 15.36 | 0.0344 | 24.00 | 0.25 | Complies |
| 110 | 5550 | 15.63 | 0.0366 | 24.00 | 0.25 | Complies |
| 134 | 5670 | 15.91 | 0.0390 | 24.00 | 0.25 | Complies |
| 142 | 5710 | 15.08 | 0.0322 | 24.00 | 0.25 | Complies |

| | |
|-----------|---------------------------------|
| Test Mode | UNII-2C_TX AC (VHT40) Mode_ANT2 |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 102 | 5510 | 15.31 | 0.0340 | 24.00 | 0.25 | Complies |
| 110 | 5550 | 15.78 | 0.0378 | 24.00 | 0.25 | Complies |
| 134 | 5670 | 15.84 | 0.0384 | 24.00 | 0.25 | Complies |
| 142 | 5710 | 15.14 | 0.0327 | 24.00 | 0.25 | Complies |

| | |
|-----------|----------------------------------|
| Test Mode | UNII-2C_TX AC (VHT40) Mode_Total |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 102 | 5510 | 18.35 | 0.0683 | 24.00 | 0.25 | Complies |
| 110 | 5550 | 18.72 | 0.0744 | 24.00 | 0.25 | Complies |
| 134 | 5670 | 18.89 | 0.0774 | 24.00 | 0.25 | Complies |
| 142 | 5710 | 18.12 | 0.0649 | 24.00 | 0.25 | Complies |

| | |
|-----------|---------------------------------|
| Test Mode | UNII-2C_TX AC (VHT80) Mode_ANT1 |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 106 | 5530 | 15.25 | 0.0335 | 24.00 | 0.25 | Complies |
| 122 | 5610 | 15.17 | 0.0329 | 24.00 | 0.25 | Complies |
| 138 | 5690 | 15.23 | 0.0333 | 24.00 | 0.25 | Complies |

| | |
|-----------|---------------------------------|
| Test Mode | UNII-2C_TX AC (VHT80) Mode_ANT2 |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 106 | 5530 | 15.23 | 0.0333 | 24.00 | 0.25 | Complies |
| 122 | 5610 | 15.14 | 0.0327 | 24.00 | 0.25 | Complies |
| 138 | 5690 | 15.11 | 0.0324 | 24.00 | 0.25 | Complies |

| | |
|-----------|----------------------------------|
| Test Mode | UNII-2C_TX AC (VHT80) Mode_Total |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 106 | 5530 | 18.25 | 0.0668 | 24.00 | 0.25 | Complies |
| 122 | 5610 | 18.17 | 0.0655 | 24.00 | 0.25 | Complies |
| 138 | 5690 | 18.18 | 0.0658 | 24.00 | 0.25 | Complies |

| | |
|-----------|----------------------------------|
| Test Mode | UNII-2C_TX AC (VHT160) Mode_ANT1 |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 114 | 5570 | 11.37 | 0.0137 | 24.00 | 0.25 | Complies |

| | |
|-----------|----------------------------------|
| Test Mode | UNII-2C_TX AC (VHT160) Mode_ANT2 |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 114 | 5570 | 11.52 | 0.0142 | 24.00 | 0.25 | Complies |

| | |
|-----------|-----------------------------------|
| Test Mode | UNII-2C_TX AC (VHT160) Mode_Total |
|-----------|-----------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 114 | 5570 | 14.46 | 0.0279 | 24.00 | 0.25 | Complies |

| | |
|-----------|--------------------------------|
| Test Mode | UNII-2C_TX AX (HE20) Mode_ANT1 |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 100 | 5500 | 15.34 | 0.0342 | 24.00 | 0.25 | Complies |
| 116 | 5580 | 15.25 | 0.0335 | 24.00 | 0.25 | Complies |
| 140 | 5700 | 15.33 | 0.0341 | 24.00 | 0.25 | Complies |
| 144 | 5720 | 10.34 | 0.0108 | 24.00 | 0.25 | Complies |

| | |
|-----------|--------------------------------|
| Test Mode | UNII-2C_TX AX (HE20) Mode_ANT2 |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 100 | 5500 | 15.27 | 0.0337 | 24.00 | 0.25 | Complies |
| 116 | 5580 | 15.41 | 0.0348 | 24.00 | 0.25 | Complies |
| 140 | 5700 | 15.35 | 0.0343 | 24.00 | 0.25 | Complies |
| 144 | 5720 | 10.19 | 0.0104 | 24.00 | 0.25 | Complies |

| | |
|-----------|---------------------------------|
| Test Mode | UNII-2C_TX AX (HE20) Mode_Total |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 100 | 5500 | 18.32 | 0.0678 | 24.00 | 0.25 | Complies |
| 116 | 5580 | 18.34 | 0.0683 | 24.00 | 0.25 | Complies |
| 140 | 5700 | 18.35 | 0.0684 | 24.00 | 0.25 | Complies |
| 144 | 5720 | 13.28 | 0.0213 | 24.00 | 0.25 | Complies |

| | |
|-----------|--------------------------------|
| Test Mode | UNII-2C_TX AX (HE40) Mode_ANT1 |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 102 | 5510 | 14.44 | 0.0278 | 24.00 | 0.25 | Complies |
| 110 | 5550 | 14.64 | 0.0291 | 24.00 | 0.25 | Complies |
| 134 | 5670 | 14.82 | 0.0303 | 24.00 | 0.25 | Complies |
| 142 | 5710 | 15.29 | 0.0338 | 24.00 | 0.25 | Complies |

| | |
|-----------|--------------------------------|
| Test Mode | UNII-2C_TX AX (HE40) Mode_ANT2 |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 102 | 5510 | 14.92 | 0.0310 | 24.00 | 0.25 | Complies |
| 110 | 5550 | 14.81 | 0.0303 | 24.00 | 0.25 | Complies |
| 134 | 5670 | 14.92 | 0.0310 | 24.00 | 0.25 | Complies |
| 142 | 5710 | 15.12 | 0.0325 | 24.00 | 0.25 | Complies |

| | |
|-----------|---------------------------------|
| Test Mode | UNII-2C_TX AX (HE40) Mode_Total |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 102 | 5510 | 17.70 | 0.0588 | 24.00 | 0.25 | Complies |
| 110 | 5550 | 17.74 | 0.0594 | 24.00 | 0.25 | Complies |
| 134 | 5670 | 17.88 | 0.0614 | 24.00 | 0.25 | Complies |
| 142 | 5710 | 18.22 | 0.0664 | 24.00 | 0.25 | Complies |

| | |
|-----------|--------------------------------|
| Test Mode | UNII-2C_TX AX (HE80) Mode_ANT1 |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 106 | 5530 | 15.29 | 0.0338 | 24.00 | 0.25 | Complies |
| 122 | 5610 | 15.21 | 0.0332 | 24.00 | 0.25 | Complies |
| 138 | 5690 | 15.34 | 0.0342 | 24.00 | 0.25 | Complies |

| | |
|-----------|--------------------------------|
| Test Mode | UNII-2C_TX AX (HE80) Mode_ANT2 |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 106 | 5530 | 15.31 | 0.0340 | 24.00 | 0.25 | Complies |
| 122 | 5610 | 15.18 | 0.0330 | 24.00 | 0.25 | Complies |
| 138 | 5690 | 15.16 | 0.0328 | 24.00 | 0.25 | Complies |

| | |
|-----------|---------------------------------|
| Test Mode | UNII-2C_TX AX (HE80) Mode_Total |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 106 | 5530 | 18.31 | 0.0678 | 24.00 | 0.25 | Complies |
| 122 | 5610 | 18.21 | 0.0662 | 24.00 | 0.25 | Complies |
| 138 | 5690 | 18.26 | 0.0670 | 24.00 | 0.25 | Complies |

| | |
|-----------|---------------------------------|
| Test Mode | UNII-2C_TX AX (HE160) Mode_ANT1 |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 114 | 5570 | 11.51 | 0.0142 | 24.00 | 0.25 | Complies |

| | |
|-----------|---------------------------------|
| Test Mode | UNII-2C_TX AX (HE160) Mode_ANT2 |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 114 | 5570 | 11.68 | 0.0147 | 24.00 | 0.25 | Complies |

| | |
|-----------|----------------------------------|
| Test Mode | UNII-2C_TX AX (HE160) Mode_Total |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 114 | 5570 | 14.61 | 0.0289 | 24.00 | 0.25 | Complies |

| | |
|-----------|--------------------------------|
| Test Mode | UNII-3_TX AC (VHT20) Mode_ANT1 |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 149 | 5745 | 17.76 | 0.0597 | 30.00 | 1.00 | Complies |
| 157 | 5785 | 17.86 | 0.0611 | 30.00 | 1.00 | Complies |
| 165 | 5825 | 17.75 | 0.0596 | 30.00 | 1.00 | Complies |

| | |
|-----------|--------------------------------|
| Test Mode | UNII-3_TX AC (VHT20) Mode_ANT2 |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 149 | 5745 | 17.75 | 0.0596 | 30.00 | 1.00 | Complies |
| 157 | 5785 | 17.77 | 0.0598 | 30.00 | 1.00 | Complies |
| 165 | 5825 | 17.82 | 0.0605 | 30.00 | 1.00 | Complies |

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

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 149 | 5745 | 20.77 | 0.1193 | 30.00 | 1.00 | Complies |
| 157 | 5785 | 20.83 | 0.1211 | 30.00 | 1.00 | Complies |
| 165 | 5825 | 20.80 | 0.1201 | 30.00 | 1.00 | Complies |

| | |
|-----------|--------------------------------|
| Test Mode | UNII-3_TX AC (VHT40) Mode_ANT1 |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 151 | 5755 | 17.86 | 0.0611 | 30.00 | 1.00 | Complies |
| 159 | 5795 | 17.88 | 0.0614 | 30.00 | 1.00 | Complies |

| | |
|-----------|--------------------------------|
| Test Mode | UNII-3_TX AC (VHT40) Mode_ANT2 |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 151 | 5755 | 17.78 | 0.0600 | 30.00 | 1.00 | Complies |
| 159 | 5795 | 17.76 | 0.0597 | 30.00 | 1.00 | Complies |

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

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 151 | 5755 | 20.83 | 0.1211 | 30.00 | 1.00 | Complies |
| 159 | 5795 | 20.83 | 0.1211 | 30.00 | 1.00 | Complies |

| | |
|-----------|--------------------------------|
| Test Mode | UNII-3_TX AC (VHT80) Mode_ANT1 |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 155 | 5775 | 15.48 | 0.0353 | 30.00 | 1.00 | Complies |

| | |
|-----------|--------------------------------|
| Test Mode | UNII-3_TX AC (VHT80) Mode_ANT2 |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 155 | 5775 | 15.34 | 0.0342 | 30.00 | 1.00 | Complies |

| | |
|-----------|--------------------------------|
| Test Mode | UNII-3_TX AC (VHT80) Mode_ANT2 |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 155 | 5775 | 18.42 | 0.0695 | 30.00 | 1.00 | Complies |

| | |
|-----------|-------------------------------|
| Test Mode | UNII-3_TX AX (HE20) Mode_ANT1 |
|-----------|-------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 149 | 5745 | 18.83 | 0.0764 | 30.00 | 1.00 | Complies |
| 157 | 5785 | 19.03 | 0.0800 | 30.00 | 1.00 | Complies |
| 165 | 5825 | 18.97 | 0.0789 | 30.00 | 1.00 | Complies |

| | |
|-----------|-------------------------------|
| Test Mode | UNII-3_TX AX (HE20) Mode_ANT2 |
|-----------|-------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 149 | 5745 | 18.52 | 0.0711 | 30.00 | 1.00 | Complies |
| 157 | 5785 | 18.56 | 0.0718 | 30.00 | 1.00 | Complies |
| 165 | 5825 | 18.77 | 0.0753 | 30.00 | 1.00 | Complies |

| | |
|-----------|--------------------------------|
| Test Mode | UNII-3_TX AX (HE20) Mode_Total |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 149 | 5745 | 21.69 | 0.1475 | 30.00 | 1.00 | Complies |
| 157 | 5785 | 21.81 | 0.1518 | 30.00 | 1.00 | Complies |
| 165 | 5825 | 21.88 | 0.1542 | 30.00 | 1.00 | Complies |

| | |
|-----------|-------------------------------|
| Test Mode | UNII-3_TX AX (HE40) Mode_ANT1 |
|-----------|-------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 151 | 5755 | 18.94 | 0.0783 | 30.00 | 1.00 | Complies |
| 159 | 5795 | 19.18 | 0.0828 | 30.00 | 1.00 | Complies |

| | |
|-----------|-------------------------------|
| Test Mode | UNII-3_TX AX (HE40) Mode_ANT2 |
|-----------|-------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 151 | 5755 | 18.56 | 0.0718 | 30.00 | 1.00 | Complies |
| 159 | 5795 | 18.73 | 0.0746 | 30.00 | 1.00 | Complies |

| | |
|-----------|--------------------------------|
| Test Mode | UNII-3_TX AX (HE40) Mode_Total |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 151 | 5755 | 21.76 | 0.1501 | 30.00 | 1.00 | Complies |
| 159 | 5795 | 21.97 | 0.1574 | 30.00 | 1.00 | Complies |

| | |
|-----------|-------------------------------|
| Test Mode | UNII-3_TX AX (HE80) Mode_ANT1 |
|-----------|-------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 155 | 5775 | 16.84 | 0.0483 | 30.00 | 1.00 | Complies |

| | |
|-----------|-------------------------------|
| Test Mode | UNII-3_TX AX (HE80) Mode_ANT2 |
|-----------|-------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 155 | 5775 | 16.66 | 0.0463 | 30.00 | 1.00 | Complies |

| | |
|-----------|--------------------------------|
| Test Mode | UNII-3_TX AX (HE80) Mode_Total |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|------------------|----------------|----------|
| 155 | 5775 | 19.76 | 0.0947 | 30.00 | 1.00 | Complies |

End of Test Report