



CERTIFICATION TEST REPORT

Report Number. : 4790101660-E8V3

Applicant : SAMSUNG ELECTRONICS CO., LTD.
129 SAMSUNG-RO, YEONGTONG-GU, SUWON-SI,
GYEONGGI-DO, 16677, KOREA

Model : SM-X906B

FCC ID : A3LSMX906B

EUT Description : GSM/WCDMA/LTE/5G NR Tablet + BT/BLE, DTS/UNII a/b/g/n/ac/ax
and WPT

Test Standard(s) : FCC 47 CFR PART 15 SUBPART E
6 GHz LOW POWER INDOOR CLIENT (6XD)

Date Of Issue:
2021-12-10

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Testing Laboratory
TL-637

Revision History

| Rev. | Issue Date | Revisions | Revised By |
|------|------------|-----------------------------------|-------------|
| V1 | 2021-11-26 | Initial issue | SunGeun Lee |
| V2 | 2021-12-06 | Updated to address TCB's question | SunGeun Lee |
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1. ATTESTATION OF TEST RESULTS

COMPANY NAME: SAMSUNG ELECTRONICS CO., LTD.

EUT DESCRIPTION: GSM/WCDMA/LTE/5G NR Tablet + BT/BLE, DTS/UNII a/b/g/n/ac/ax and WPT

MODEL NUMBER: SM-X906B

SERIAL NUMBER: R3CR80AAZJJ (CONDUCTED);
575854c0513f7ece, R3CR706LYYK (RADIATED);

DATE TESTED: 2021-10-08 ~ 2021-11-26;

| APPLICABLE STANDARDS | |
|--------------------------|--------------|
| STANDARD | TEST RESULTS |
| CFR 47 Part 15 Subpart E | Complies |

UL Korea, Ltd. tested the above equipment in accordance with the requirements set forth in the above standards. All indications of Pass/Fail in this report are opinions expressed by UL Korea, Ltd. based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Note: The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. This document may not be altered or revised in any way unless done so by UL Korea, Ltd. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL Korea, Ltd. will constitute fraud and shall nullify the document. This report must not be used by the client to claim product certification, approval, or endorsement by IAS, any agency of the Federal Government, or any agency of any government.

Approved & Released For
UL Korea, Ltd. By:

Seokhwan Hong
Suwon Lab Engineer
UL Korea, Ltd.

Tested By:

SunGeun Lee
Suwon Lab Engineer
UL Korea, Ltd.

2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with following methods.

1. FCC CFR 47 Part 2.
2. FCC CFR 47 Part 15.
3. KDB 789033 D02 General UNII Test Procedures New Rules v02r01
4. KDB 987594 D02 U-NII 6 GHz EMC Measurement v01v01
5. KDB 662911 D01 v02r01
6. ANSI C63.10-2013.

3. FACILITIES AND ACCREDITATION

The test sites and measurement facilities used to collect data are located at 218 Maeyeong-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16675, Korea. Line conducted emissions are measured only at the 218 address. The following table identifies which facilities were utilized for radiated emission measurements documented in this report. Specific facilities are also identified in the test results sections.

| 218 Maeyeong-ro |
|---|
| <input checked="" type="checkbox"/> Chamber 1 |
| <input checked="" type="checkbox"/> Chamber 2 |
| <input checked="" type="checkbox"/> Chamber 3 |

UL Korea, Ltd. is accredited by IAS, Laboratory Code TL-637. The full scope of accreditation can be viewed at <https://www.iasonline.org/wp-content/uploads/2017/05/TL-637-cert-New.pdf>.

4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations, and is traceable to recognized national standards.

4.2. SAMPLE CALCULATION

Where relevant, the following sample calculation is provided:

$$\begin{aligned} \text{Field Strength (dBuV/m)} &= \text{Measured Voltage (dBuV)} + \text{Antenna Factor (dB/m)} + \\ &\text{Cable Loss (dB)} - \text{Preamp Gain (dB)} \\ 36.5 \text{ dBuV} + 18.7 \text{ dB/m} + 0.6 \text{ dB} - 26.9 \text{ dB} &= 28.9 \text{ dBuV/m} \end{aligned}$$

4.3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

| PARAMETER | UNCERTAINTY |
|--|-------------|
| Conducted Disturbance, 0.15 to 30 MHz | 3.02 dB |
| Radiated Disturbance, 30 MHz to 1 GHz | 4.05 dB |
| Radiated Disturbance, 1 GHz to 18 GHz | 5.78 dB |
| Radiated Disturbance, 18 GHz to 40 GHz | 5.58 dB |

Uncertainty figures are valid to a confidence level of 95%.

4.4. DECISION RULE

Decision rule for statement(s) of conformity is based on Procedure 2, Clause 4.4.3 in IEC Guide 115:2007.

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

The EUT is a GSM/WCDMA/LTE/5G NR Tablet + BT/BLE, DTS/UNII a/b/g/n/ac/ax and WPT. This test report addresses the NII (WLAN) operational mode.

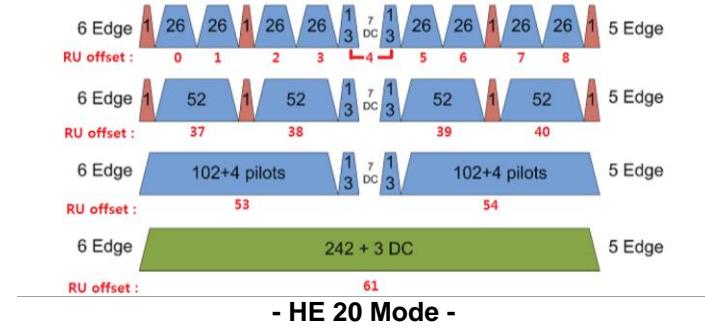
WiFi operating mode

| Frequency range | Mode | ANT1 | ANT2 |
|-------------------------------|---------------|-------|-------|
| 6GHz (5955 MHz ~ 7115 MHz) | 802.11a MIMO | TX/RX | TX/RX |
| | 802.11ax MIMO | TX/RX | TX/RX |

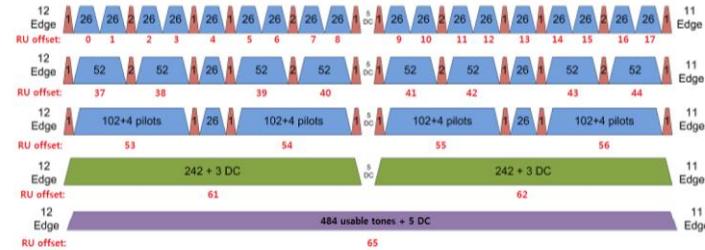
Simultaneous TX Condition

Please refer to the report '4790101660-E7 FCC Report UNII(a,n,ac,ax) WLAN'
6E Tx power is lower than 5GHz. Therefore, 5GHz set for final test.

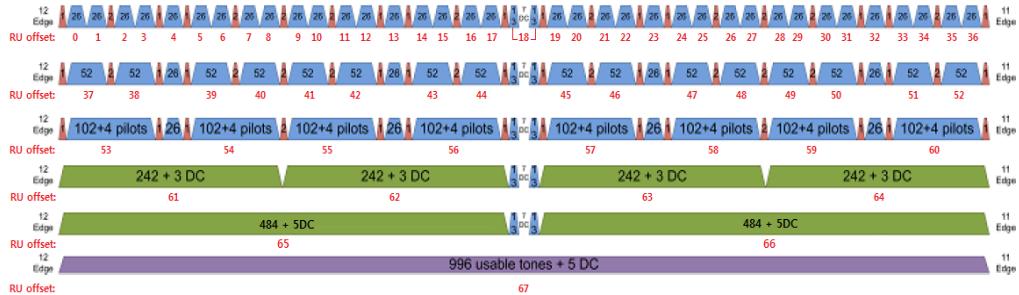
802.11ax RU allocations



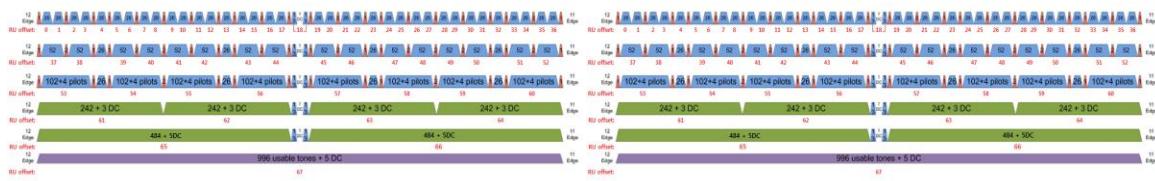
- HE 20 Mode -



- HE 40 Mode -



- HE 80 Mode -



- HE 160 Mode -

Test RU offset for tones in each modes

| Mode | Tones | RU offset |
|--------------------|------------------|------------------|
| HE20 | 26T | 0 |
| | | 4 |
| | | 8 |
| | 52T | 37 |
| | | 38 |
| | | 40 |
| HE40 | 106T | 53 |
| | | 54 |
| | | 242T / SU Note 1 |
| | 26T | 61 / - |
| | | 0 |
| | | 9 |
| HE40 | 52T | 17 |
| | | 37 |
| | | 41 |
| | 106T | 44 |
| | | 53 |
| | | 54 |
| HE80 / HE160 Note2 | 242T | 56 |
| | | 61 |
| | | 62 |
| | 484T / SU Note 1 | 63 / - |
| | | 0 |
| | | 18 |
| HE80 / HE160 Note2 | 26T | 36 |
| | | 37 |
| | | 45 |
| | 52T | 52 |
| | | 53 |
| | | 57 |
| HE80 / HE160 Note2 | 106T | 60 |
| | | 61 |
| | | 62 |
| | 242T | 64 |
| | | 65 |
| | | 66 |
| | 484T | 67 / - |
| | 996T / SU Note1 | |

Note 1: Full RU(Resource Unit) 242T mode and SU(Single Unit) mode have no difference in physical waveform. This report has been reported the SU mode with highest output power in MIMO.

Note 2: HE160 = HE80(Lower) + HE80(Upper)

MAXIMUM OUTPUT POWER

The transmitter has a maximum total conducted average output power as follows:

| Band | Frequency Range [MHz] | Mode | Output Power [dBm] | Output Power [mW] |
|--------|-----------------------|----------------------|--------------------|-------------------|
| UNII-5 | 5955 – 6415 | 802.11a MIMO | 9.13 | 8.18 |
| | | 802.11ax(HE20) MIMO | 9.17 | 8.26 |
| | | 802.11ax(HE40) MIMO | 12.37 | 17.26 |
| | | 802.11ax(HE80) MIMO | 12.21 | 16.63 |
| | | 802.11ax(HE160) MIMO | 12.11 | 16.26 |
| UNII-6 | 6435 – 6515 | 802.11a MIMO | 9.55 | 9.02 |
| | | 802.11ax(HE20) MIMO | 9.02 | 7.98 |
| | | 802.11ax(HE40) MIMO | 12.42 | 17.46 |
| | | 802.11ax(HE80) MIMO | 11.56 | 14.32 |
| | | 802.11ax(HE160) MIMO | 12.21 | 16.63 |
| UNII-7 | 6535 – 6875 | 802.11a MIMO | 9.53 | 8.97 |
| | | 802.11ax(HE20) MIMO | 9.08 | 8.09 |
| | | 802.11ax(HE40) MIMO | 11.94 | 15.63 |
| | | 802.11ax(HE80) MIMO | 12.15 | 16.41 |
| | | 802.11ax(HE160) MIMO | 12.31 | 17.02 |
| UNII-8 | 6895 - 7115 | 802.11a MIMO | 9.50 | 8.91 |
| | | 802.11ax(HE20) MIMO | 9.01 | 7.96 |
| | | 802.11ax(HE40) MIMO | 12.18 | 16.52 |
| | | 802.11ax(HE80) MIMO | 12.05 | 16.03 |
| | | 802.11ax(HE160) MIMO | 12.27 | 16.87 |

5.2. DESCRIPTION OF AVAILABLE ANTENNAS

An intentional radiator antenna shall be designed to ensure that no antenna other than that furnished by the responsible party can be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

**The internal antenna was Permanently attached.
Therefore this E.U.T Complies with the requirement of §15.203.**

The radio utilizes a internal antenna, with a maximum gain of:

| Frequency Band [MHz] | ANT1 Gain [dBi] | ANT2 Gain [dBi] | Correlated Chains Directional Gain [dBi] |
|-----------------------|-----------------|-----------------|--|
| UNII 5 5925 – 6425 | -3.60 | -2.80 | -0.18 |
| UNII 6 6425 – 6525 | -4.30 | -4.20 | -1.24 |
| UNII 7 6525 – 6875 | -4.40 | -4.20 | -1.29 |
| UNII 8 6875 - 7125 | -5.50 | -5.30 | -2.39 |

"TR_Wi-Fi" and "TL_Wi-Fi" as indicated in antenna specification are written as "ANT 1" and "ANT 2" in this report.

Directional gain for the MIMO operations is determined using KDB 662911 D01 Multiple Transmitter Output section F (2)(d)(1) for *Unequal antenna gains, with equal transmit powers*. The gain is calculated using the formula for correlated transmissions across the two transmit antennas.

$$\text{Directional gain} = 10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{\text{ANT}}] \text{ dBi.}$$

Sample calculation for this device with $N_{\text{ANT}} = 2$

$$\text{Directional gain} = 10 \log[(10^{-3.5/20} + 10^{-7.1/20})^2 / 2] = -2.1 \text{ dBi}$$

5.3. WORST-CASE CONFIGURATION AND MODE

Radiated emission below 1GHz and power line conducted emission were performed with the EUT set to transmit at the channel with highest output power as worst-case scenario.

Radiated emission above 1GHz was performed with the EUT set to transmit low/mid/high channels.

- Worst case condition

| ANT1 | ANT2 | ANT ALL |
|------|------|---------|
| Axis | Axis | Axis |
| Y | Y | Y |

Based on the baseline scan, the worst-case data rates were:

| | |
|--------------------------|-------------------------------|
| 802.11a mode: 6 Mbps 2Tx | 802.11ax HE20 mode: MCS0 2Tx |
| | 802.11ax HE40 mode: MCS0 2Tx |
| | 802.11ax HE80 mode: MCS0 2Tx |
| | 802.11ax HE160 mode: MCS0 2Tx |

Radiation test for 802.11a & ax HE20 & HE40 & HE80 & HE160 were evaluated at MIMO mode.
Note : All radiated and power line conducted tests were performed connected with charger for evaluation of worst case mode.

Worst-case selection criteria for 802.11ax test items :

- For the 26dB Bandwidth, it was tested at the SU Mode for each bandwidth. (Worst case)

Note : All radiated and power line conducted tests were performed connected with charger for evaluation of worst case mode.

Test case configuration for 802.11a, 802.11ax HE20 & 40 & 80 & 160 (SU) modes :

| Mode | Band | SISO Target[dBm] | | MIMO Target[dBm] | |
|-------------------|--------|------------------|------------------|------------------|------------------|
| | | 802.11a | 802.11ax (SU) | 802.11a | 802.11ax (SU) |
| 5GHz (20 MHz) | UNII-5 | | | 9 | 9 |
| | UNII-6 | | | 9 | 9 |
| | UNII-7 | | | 9 | 9 |
| | UNII-8 | | | 9 | 9 |
| 5GHz (40 MHz) | UNII-5 | | | | 12 |
| | UNII-6 | | | | 12 |
| | UNII-7 | | | | 12 |
| | UNII-8 | | | | 12 |
| 5GHz (80 MHz) | UNII-5 | | | | 12 |
| | UNII-6 | | | | 12 |
| | UNII-7 | | | | 12 |
| | UNII-8 | | | | 12 |
| 5GHz (160 MHz) | UNII-5 | | | | 12 |
| | UNII-6 | | | | 12 |
| | UNII-7 | | | | 12 |
| | UNII-8 | | | | 12 |



Note. SISO mode is not supported.

Test case configuration for 802.11ax HE20 & 40 & 80 & 160 (RU) modes :

| | Band | Mode | Freq. | Tone | RU offset | Test Case | | | |
|--------|-------|------|-------|------|-----------|-----------|------|------|--|
| | | | | | | ANT1 | ANT2 | MIMO | |
| UNII-5 | HE20 | 5955 | 26 T | 0 | - | - | - | - | |
| | | | | 4 | - | - | - | O | |
| | | | | 8 | - | - | - | - | |
| | | 6175 | | 0 | | | | | |
| | | | | 4 | | | | | |
| | | | | 8 | | | | | |
| | HE40 | 6415 | | 0 | | | | | |
| | | | | 4 | | | | | |
| | | | | 8 | | | | | |
| | | 5965 | 26 T | 0 | | | | | |
| | | | | 9 | | | | | |
| | | | | 17 | | | | | |
| UNII-6 | HE20 | 6165 | | 0 | - | - | - | - | |
| | | | | 9 | - | - | - | O | |
| | | | | 17 | - | - | - | - | |
| | | 6435 | | 0 | | | | | |
| | | | | 4 | | | | | |
| | | | | 8 | | | | | |
| | HE20 | 6475 | 26 T | 0 | | | | | |
| | | | | 4 | | | | | |
| | | | | 8 | | | | | |
| | | 6515 | | 0 | | | | | |
| | | | | 4 | | | | | |
| | | | | 8 | | | | | |
| UNII-7 | HE20 | 6535 | 26 T | 0 | | | | | |
| | | | | 4 | | | | | |
| | | | | 8 | | | | | |
| | | 6695 | | 0 | - | - | - | - | |
| | | | | 4 | - | - | - | O | |
| | | | | 8 | - | - | - | - | |
| | HE160 | 6875 | | 0 | | | | | |
| | | | | 4 | | | | | |
| | | | | 8 | | | | | |
| | | 6665 | 26 T | 0 | | | | | |
| | | | | 18 | | | | | |
| | | | | 36 | | | | | |
| UNII-8 | HE20 | 6895 | | 0U | - | - | - | O | |
| | | | | 18U | - | - | - | - | |
| | | | | 36U | - | - | - | - | |
| | | 6995 | | 0 | | | | | |
| | | | | 4 | | | | | |
| | | | | 8 | | | | | |
| | HE 80 | 7115 | 26 T | 0 | | | | | |
| | | | | 4 | | | | | |
| | | | | 8 | | | | | |
| | | 6945 | | 0 | - | - | - | - | |
| | | | | 18 | - | - | - | O | |
| | | | | 36 | - | - | - | - | |
| | | 7025 | | 0 | | | | | |
| | | | | 18 | | | | | |
| | | | | 36 | | | | | |

Note1. Radiated spurious test was performed on [HE20/HE40/HE80/HE160: 26T] with worst condition.

Note2. Spot-check test was performed on HE40, HE80, HE160.

5.4. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

| Support Equipment List | | | | |
|------------------------|--------------|-------------|----------------|--------|
| Description | Manufacturer | Model | Serial Number | FCC ID |
| Charger | SAMSUNG | EP-TA800 | R37R8YN0CD1RC3 | N/A |
| Data Cable | SAMSUNG | EP-DW767JWE | N/A | N/A |

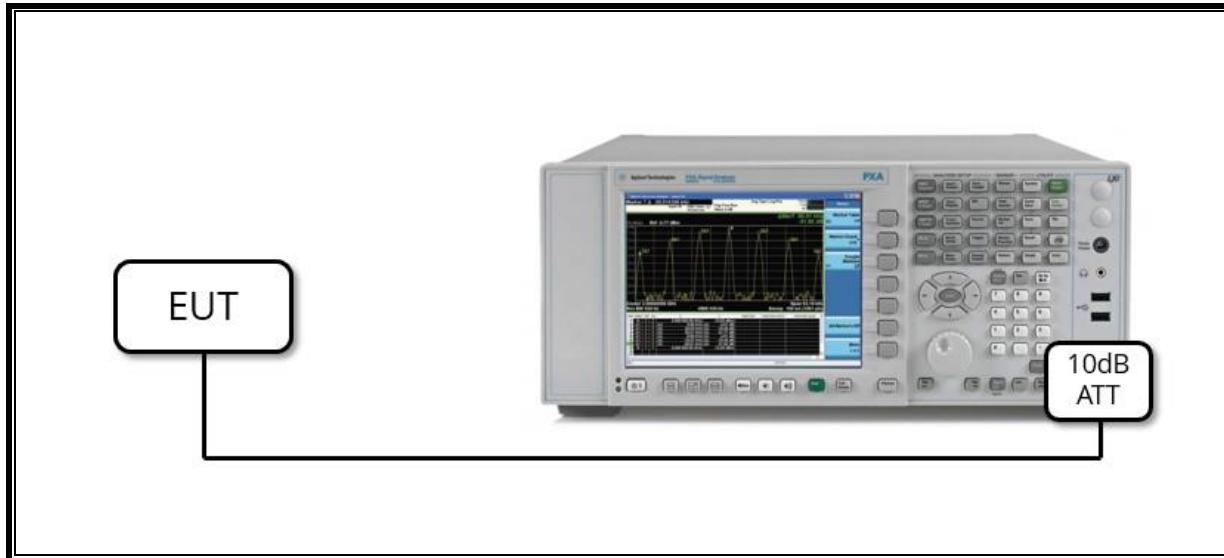
I/O CABLE

| I/O Cable List | | | | | | |
|----------------|----------|----------------------|----------------|------------|------------------|---------|
| Cable No. | Port | # of identical ports | Connector Type | Cable Type | Cable Length (m) | Remarks |
| 1 | DC Power | 1 | C Type | Shielded | 1.0 m | N/A |

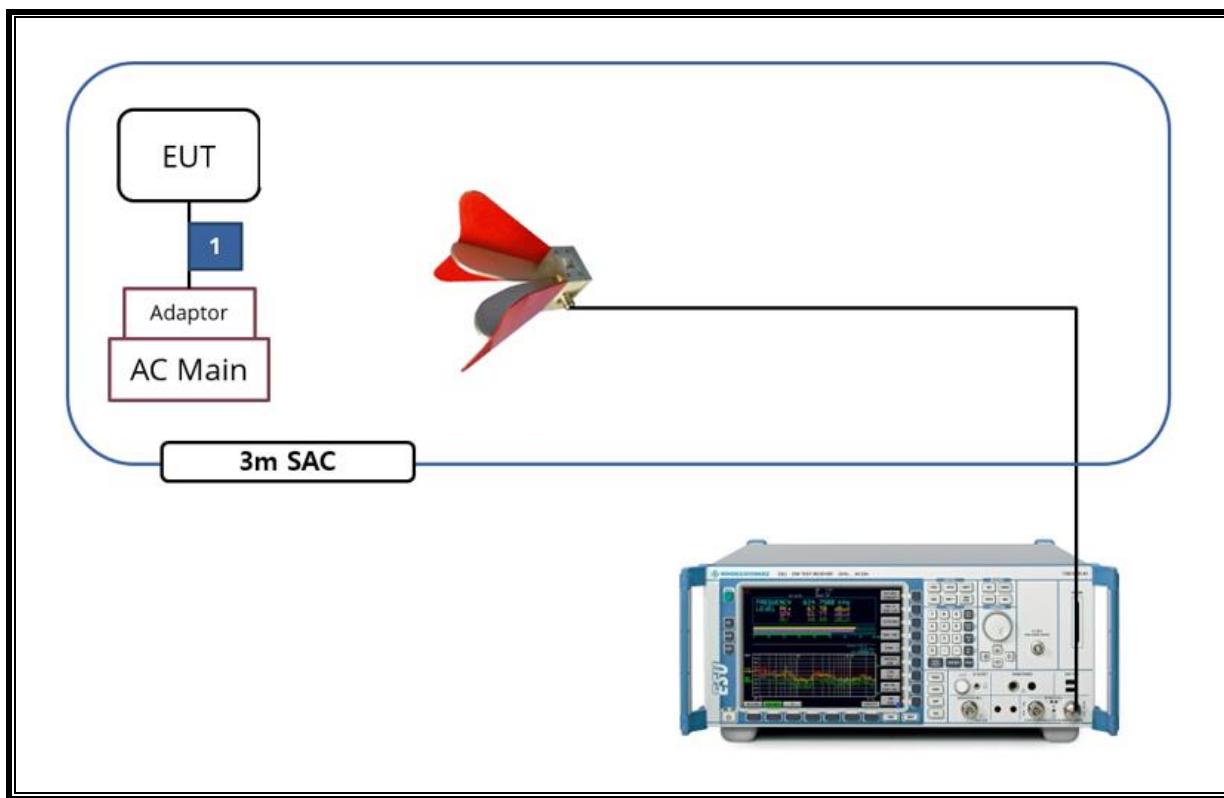
TEST SETUP

The EUT is a stand-alone unit during the tests.
Test software exercised the EUT to enable NII mode.

SETUP DIAGRAM FOR TESTS (CONDUCTED TEST SETUP)



SETUP DIAGRAM FOR TESTS (RADIATED TEST SETUP)



6. TEST AND MEASUREMENT EQUIPMENT

The following test and measurement equipment was utilized for the tests documented in this report:

| Test Equipment List | | | | |
|----------------------------|---------------|------------------------|------------|------------|
| Description | Manufacturer | Model | S/N | Cal Due |
| Antenna, BiLog, 30MHz-1GHz | SCHWARZBECK | VULB9163 | 750 | 2022/08/19 |
| Antenna, BiLog, 30MHz-1GHz | SCHWARZBECK | VULB9163 | 749 | 2022/08/13 |
| Antenna, BiLog, 30MHz-1GHz | SCHWARZBECK | VULB9163 | 845 | 2022/08/13 |
| Antenna, Horn, 18 GHz | ETS | 3115 | 00167211 | 2022/07/27 |
| Antenna, Horn, 18 GHz | ETS | 3115 | 00161451 | 2022/08/15 |
| Antenna, Horn, 18 GHz | ETS | 3117 | 00168724 | 2022/07/27 |
| Antenna, Horn, 18 GHz | ETS | 3117 | 00168717 | 2022/08/15 |
| Antenna, Horn, 18 GHz | ETS | 3117 | 00218957 | 2023/01/15 |
| Antenna, Horn, 40 GHz | ETS | 3116C | 00166155 | 2023/01/15 |
| Antenna, Horn, 40 GHz | ETS | 3116C | 00168645 | 2023-10-13 |
| Preamplifier | ETS | 3116C-PA | 00168841 | 2022/08/04 |
| Preamplifier, 1000 MHz | Sonoma | 310N | 341282 | 2022/08/02 |
| Preamplifier, 1000 MHz | Sonoma | 310N | 351741 | 2022/08/02 |
| Preamplifier, 1000 MHz | Sonoma | 310N | 370599 | 2022/08/02 |
| Preamplifier, 18 GHz | Miteq | AFS42-00101800-25-S-42 | 1876511 | 2022/08/02 |
| Preamplifier, 18 GHz | Miteq | AFS42-00101800-25-S-42 | 1896138 | 2022/08/02 |
| Preamplifier, 18 GHz | Miteq | AFS42-00101800-25-S-42 | 2029168 | 2022/08/02 |
| Spectrum Analyzer, 44 GHz | Agilent / HP | N9030A | MY54170614 | 2022/08/04 |
| Spectrum Analyzer, 44 GHz | Agilent / HP | N9030A | MY54490312 | 2022/08/04 |
| Average Power Sensor | Agilent / HP | U2000 | MY54270007 | 2022/08/04 |
| Average Power Sensor | Agilent / HP | U2000 | MY54260010 | 2022/08/04 |
| Attenuator | PASTERNAK | PE7087-10 | A001 | 2022/08/03 |
| Attenuator | PASTERNAK | PE7087-10 | A008 | 2022/08/03 |
| Attenuator | PASTERNAK | PE7004-10 | 2 | 2022/08/02 |
| Attenuator | PASTERNAK | PE7087-10 | A009 | 2022/08/03 |
| EMI Test Receive, 40 GHz | R&S | ESU40 | 100439 | 2022/08/02 |
| EMI Test Receive, 40 GHz | R&S | ESU40 | 100457 | 2022/08/02 |
| EMI Test Receive, 3 GHz | R&S | ESR3 | 101832 | 2022/08/02 |
| Notch Filter | Micro-Tronics | BRM50702-02 | G037 | 2022/08/03 |
| Notch Filter | Micro-Tronics | BRM50716-2 | 006 | 2022/08/02 |
| Low Pass Filter 5GHz | Micro-Tronics | LPS17541 | 009 | 2022/08/02 |
| Low Pass Filter 5GHz | Micro-Tronics | LPS17541 | 015 | 2022/08/02 |
| Low Pass Filter 5GHz | Micro-Tronics | LPS17541 | 019 | 2022/08/02 |
| High Pass Filter 3GHz | Micro-Tronics | HPM17543 | 010 | 2022/08/02 |
| High Pass Filter 3GHz | Micro-Tronics | HPM17543 | 015 | 2022/08/02 |
| High Pass Filter 3GHz | Micro-Tronics | HPM17543 | 020 | 2022/08/02 |
| High Pass Filter 7.2 GHz | Micro-Tronics | HPM50107 | G061 | 2022/01/13 |
| High Pass Filter 7.2 GHz | Micro-Tronics | HPM50107 | G062 | 2022/01/13 |
| High Pass Filter 7.2 GHz | Micro-Tronics | HPM50107 | G063 | 2022/01/13 |
| LISN | R&S | ENV-216 | 101837 | 2022/08/05 |
| Antenna, Loop, 9kHz-30MHz | R&S | HFH2-Z2 | 100418 | 2023/10/06 |
| Termination | WEINSCHEL | M1406A | T09 | 2022/08/03 |
| Attenuator | WEINSCHEL | WA76-30-21 | A015 | 2022/08/03 |
| Vector SG | R&S | SMW200A | 107161 | 2022/06/24 |
| UL Software | | | | |
| Description | Manufacturer | Model | Version | |
| Radiated software | UL | UL EMC | Ver 9.5 | |
| AC Line Conducted software | UL | UL EMC | Ver 9.5 | |

7. SUMMARY TABLE

| FCC Part Section | Test Description | Test Limit | Test Condition | Test Result |
|------------------------|---|---|----------------|---------------------|
| 15.407(a)(10) | 26dB Bandwidth | The maximum transmitter channel bandwidth for U-NII device in the 5.925 – 7.125 GHz band is 320 MHz | Conducted | PASS |
| 2.1046 15.407(a)(1) | TX Cond. Power | N/A | | PASS |
| 15.407(a)(8) | Maximum Power Spectral Density | < -1dBm/MHz e.i.r.p | | PASS |
| 15.407(a)(8) | Maximum Radiated Output Power | < 24 dBm over the frequency band of operation | | PASS |
| 15.407(b)(7) | In-band Emissions | EUT must meet the limits detailed in 15.407(b)(7) | | PASS |
| 15.407(d)(6) | Contention Based Protocol | EUT must detect AWGN signal with 90% (or better) certainty | | PASS |
| 15.407(b)(9) | AC Power Line conducted emissions | < FCC 15.207 limits | | N/A ^{note} |
| 15.407(b)(6) | Undesirable Emissions | < -27 dBm/MHz e.i.r.p outside of the 5.925 – 7.125 GHz Band | Radiated | PASS |
| 15.205 15.209 | General Field Strength Limits (Restricted Bands and Radiated Emission Limits) | Emissions in restricted bands must meet the radiated limits detailed in 15.209 | | PASS |

Note: AC Power Line (Please refer to RF test report 4790101660-E7)

8. MEASUREMENT METHODS

On-Time and Duty Cycle : KDB 789033 D02 v02r01, Section II.B.

26dB Emission BW : KDB 789033 D02 v02r01, Section II.C / KDB 987594 D02

99% Occupied BW : KDB 789033 D02 v02r01, Section II.D / KDB 987594 D02

Conducted Output Power : KDB 789033 D02 v02r01, Section II.E.3.b(Method PM-G) /
KDB 987594 D02

Power Spectral Density : KDB 789033 D02 v02r01, Section II.F / KDB 987594 D02

In-Band Emissions : KDB 987594 D02

Unwanted emissions in restricted bands : KDB 789033 D02 v02r01, Section II.G.3 – II.G.6.

Unwanted emissions in non-restricted bands : KDB 789033 D02 v02r01, Section II.G.3 – II.G.6.

AC Power Line Conducted Emission : ANSI C63.10-2013, Section 6.2.

9. REFERENCE MEASUREMENTS RESULTS

9.1. ON TIME AND DUTY CYCLE RESULTS

| Mode | On Time [ms] | Period [ms] | Duty Cycle X [Linear] | Duty Cycle X [%] | Duty Cycle Correction Factor[dB] |
|--------------|--------------|-------------|-----------------------|------------------|----------------------------------|
| 802.11a MIMO | 2.764 | 2.862 | 0.966 | 96.576 | 0.15 |

| Mode | ANT. | Tone | On Time [ms] | Period [ms] | Duty Cycle X [Linear] | Duty Cycle X [%] | Duty Cycle Correction Factor[dB] |
|----------------|------|------|--------------|-------------|-----------------------|------------------|----------------------------------|
| 802.11ax HE20 | MIMO | 26T | 2.591 | 2.609 | 0.993 | 99.310 | - |
| | | 52T | 2.589 | 2.608 | 0.993 | 99.271 | - |
| | | 106T | 2.435 | 2.452 | 0.993 | 99.307 | - |
| | | SU | 5.439 | 5.469 | 0.995 | 99.451 | - |
| 802.11ax HE40 | MIMO | 26T | 2.562 | 2.612 | 0.981 | 98.086 | - |
| | | 52T | 2.558 | 2.611 | 0.980 | 97.970 | 0.09 |
| | | 106T | 2.403 | 2.437 | 0.986 | 98.605 | - |
| | | 242T | 2.386 | 2.406 | 0.992 | 99.169 | - |
| | | SU | 5.443 | 5.465 | 0.996 | 99.597 | - |
| 802.11ax HE80 | MIMO | 26T | 5.437 | 5.456 | 0.997 | 99.652 | - |
| | | 52T | 2.561 | 2.611 | 0.981 | 98.085 | - |
| | | 106T | 2.562 | 2.611 | 0.981 | 98.123 | - |
| | | 242T | 2.416 | 2.459 | 0.983 | 98.251 | - |
| | | 484T | 2.381 | 2.404 | 0.990 | 99.043 | - |
| | | SU | 5.438 | 5.469 | 0.994 | 99.433 | - |
| 802.11ax HE160 | MIMO | 26T | 2.561 | 2.613 | 0.980 | 98.010 | - |
| | | 52T | 2.557 | 2.606 | 0.981 | 98.120 | - |
| | | 106T | 2.401 | 2.449 | 0.980 | 98.040 | - |
| | | 242T | 2.369 | 2.404 | 0.985 | 98.544 | - |
| | | 484T | 2.378 | 2.412 | 0.986 | 98.590 | - |
| | | 996T | 2.417 | 2.435 | 0.993 | 99.261 | - |
| | | SU | 5.438 | 5.462 | 0.996 | 99.561 | - |

Note. If the duty cycle is over 98%, compensation is not included in average measurement.

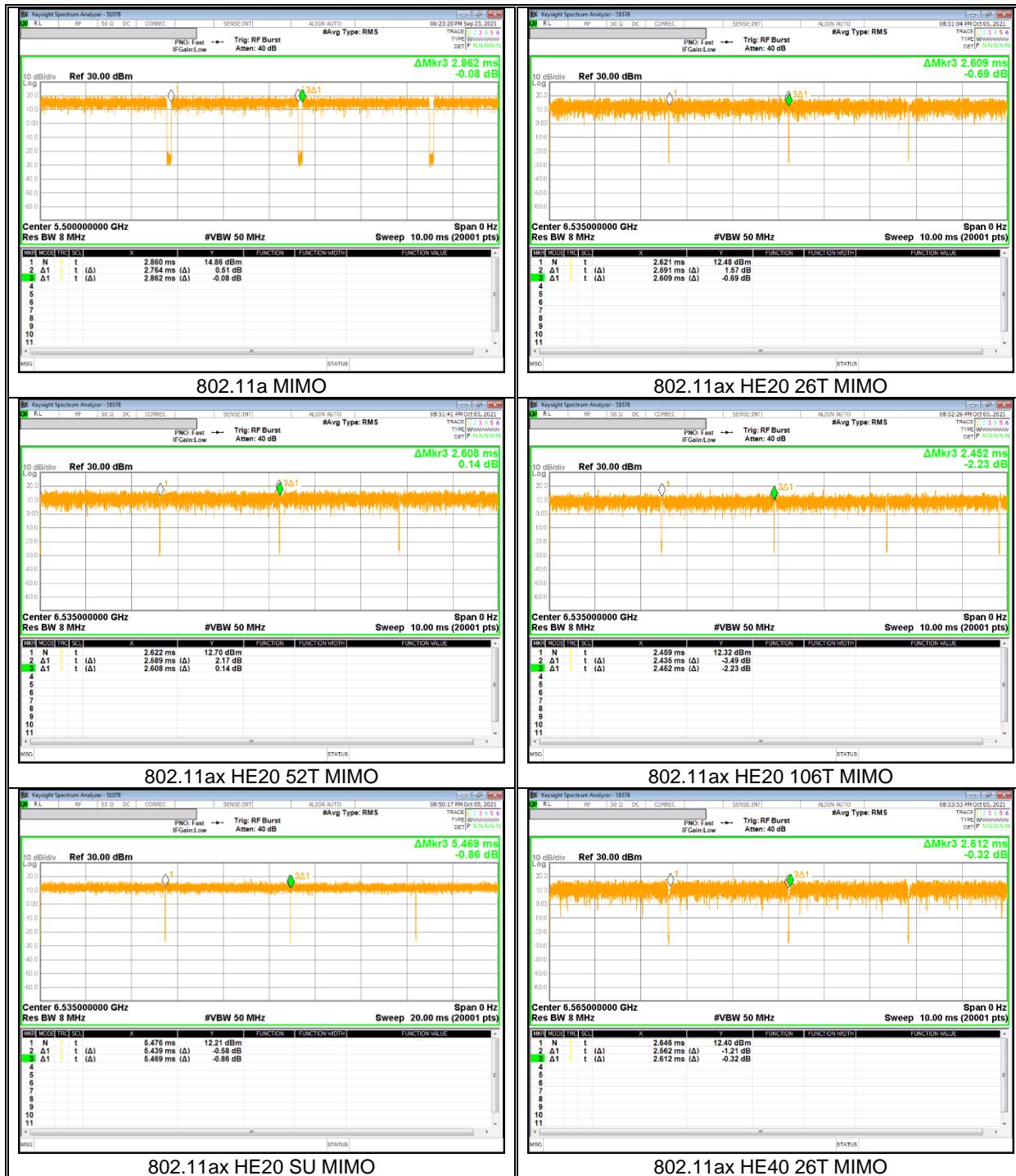
LIMITS

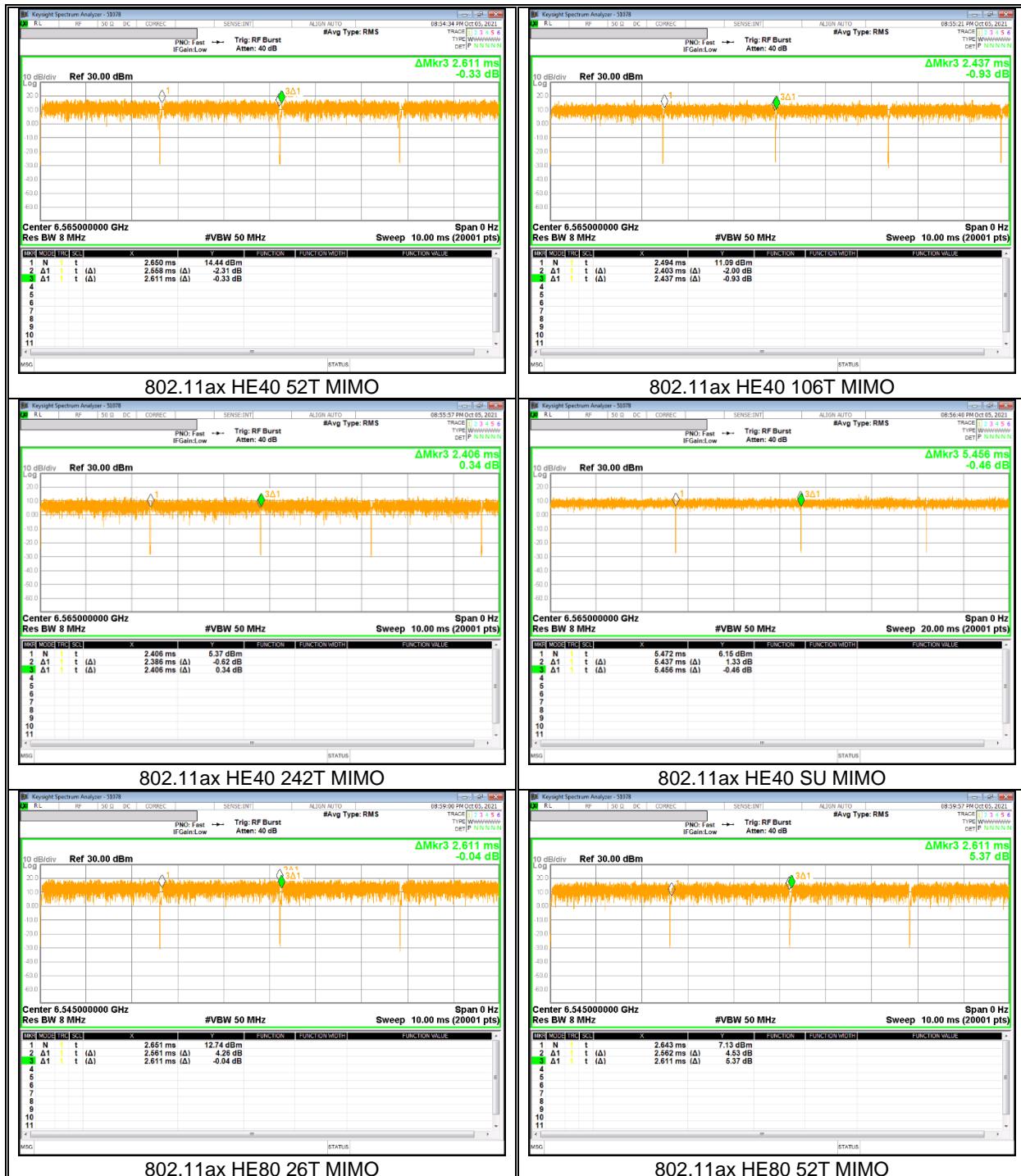
None; for reporting purposes only.

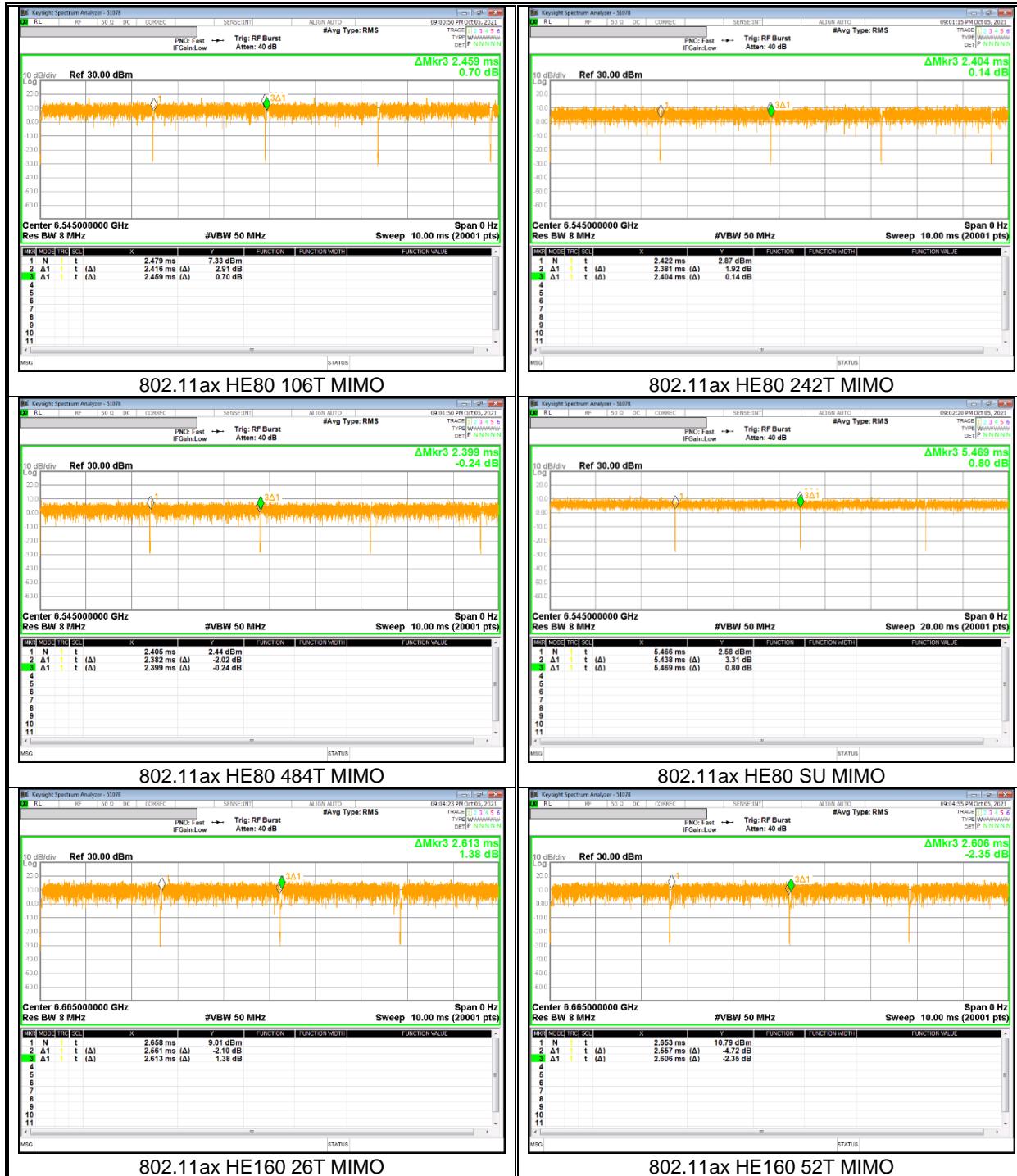
PROCEDURE

KDB 789033 D02 v02r01 Zero-Span Spectrum Analyzer Method.

9.2. DUTY CYCLE PLOTS









9.3. 26 dB BANDWIDTH

LIMITS

FCC §15.407 (a) (10)

The maximum transmitter channel bandwidth for U-NII devices in the 5.925-7.125 GHz band is 320 megahertz.

TEST PROCEDURE

Reference to 789033 D02 General UNII Test Procedures New Rules v02r01: The transmitter output is connected to a spectrum analyzer with the RBW set to approximately 1% of EBW, the VBW > RBW, peak detector and max hold.

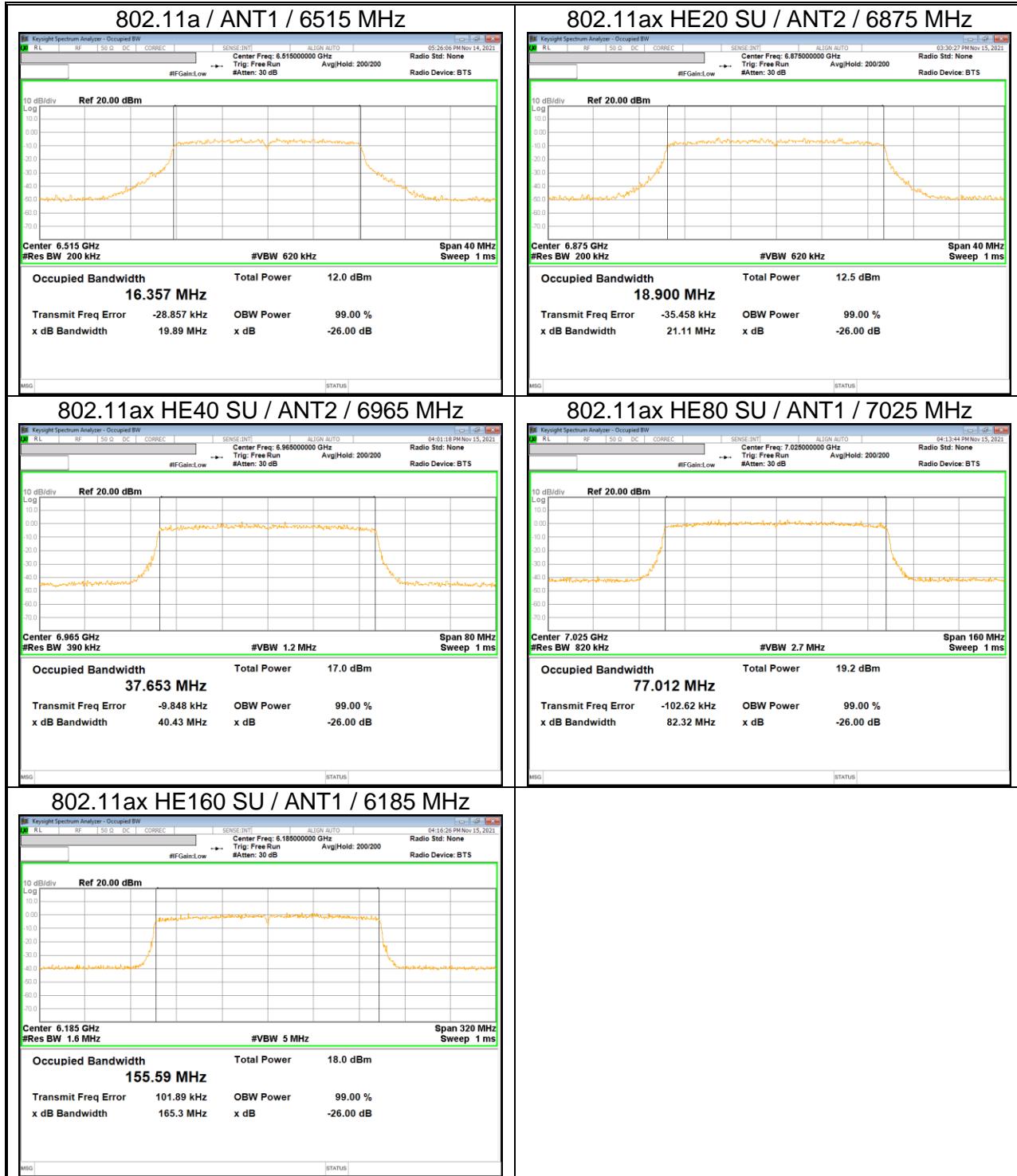
RESULTS

- Please refer to the next page

Note. As a result of 99% bandwidth test, the bandwidth not interfere each band.

WORST CASE TEST PLOTS

- Please refer to the next page



9.3.1. 802.11a

| Band | Channel | Center Freq. [MHz] | 26 dB BW [MHz] | | Worst | 99% BW [MHz] | |
|--------------------------|---------|--------------------|----------------|--------|--------|--------------|--------|
| | | | ANT1 | ANT2 | | ANT1 | ANT2 |
| UNII-5 | 1 | 5955 | 19.080 | 19.570 | 19.720 | 16.369 | 16.356 |
| | 45 | 6175 | 19.720 | 19.540 | | 16.334 | 16.359 |
| | 93 | 6415 | 19.210 | 19.390 | | 16.339 | 16.357 |
| UNII-6 | 97 | 6435 | 18.990 | 19.570 | 19.890 | 16.329 | 16.351 |
| | 105 | 6475 | 19.700 | 19.050 | | 16.340 | 16.348 |
| | 113 | 6515 | 19.890 | 19.260 | | 16.357 | 16.354 |
| UNII-7 | 117 | 6535 | 19.680 | 19.470 | 19.680 | 16.351 | 16.349 |
| | 149 | 6695 | 19.150 | 19.090 | | 16.352 | 16.360 |
| | 185 | 6875 | 19.650 | 19.230 | | 16.326 | 16.375 |
| UNII-8 | 189 | 6895 | 18.710 | 19.610 | 19.610 | 16.329 | 16.342 |
| | 209 | 6995 | 19.050 | 19.100 | | 16.340 | 16.334 |
| | 233 | 7115 | 18.970 | 19.100 | | 16.339 | 16.358 |
| In Band Emission Test BW | - | - | 18.710 | 19.050 | - | - | - |

9.3.2. 802.11ax HE20

| Band | Channel | Center Freq. [MHz] | 26 dB BW [MHz] | | Worst | 99% BW [MHz] | |
|--------------------------|---------|--------------------|----------------|--------|--------|--------------|--------|
| | | | ANT1 | ANT2 | | ANT1 | ANT2 |
| UNII-5 | 1 | 5955 | 20.900 | 20.690 | 20.900 | 18.893 | 18.889 |
| | 45 | 6175 | 20.760 | 20.880 | | 18.904 | 18.906 |
| | 93 | 6415 | 20.160 | 20.810 | | 17.549 | 18.898 |
| UNII-6 | 97 | 6435 | 20.550 | 20.920 | 20.920 | 18.865 | 18.922 |
| | 105 | 6475 | 20.720 | 20.730 | | 18.909 | 18.893 |
| | 113 | 6515 | 20.750 | 20.590 | | 18.856 | 18.869 |
| UNII-7 | 117 | 6535 | 20.800 | 20.740 | 21.110 | 18.889 | 18.882 |
| | 149 | 6695 | 20.690 | 20.770 | | 18.890 | 18.877 |
| | 185 | 6875 | 20.830 | 21.110 | | 18.854 | 18.900 |
| UNII-8 | 189 | 6895 | 20.970 | 21.020 | 21.020 | 18.874 | 18.884 |
| | 209 | 6995 | 20.970 | 20.840 | | 18.862 | 18.899 |
| | 233 | 7115 | 20.890 | 21.000 | | 18.879 | 18.919 |
| In Band Emission Test BW | - | - | 20.160 | 20.590 | - | - | - |

9.3.3. 802.11ax HE40

| Band | Channel | Center Freq. [MHz] | 26 dB BW [MHz] | | Worst | 99% BW [MHz] | |
|--------------------------|---------|--------------------|----------------|--------|--------|--------------|--------|
| | | | ANT1 | ANT2 | | ANT1 | ANT2 |
| UNII-5 | 3 | 5965 | 40.020 | 40.100 | 40.360 | 37.679 | 37.590 |
| | 43 | 6165 | 40.020 | 39.830 | | 37.581 | 37.621 |
| | 91 | 6405 | 40.360 | 40.190 | | 37.689 | 37.670 |
| UNII-6 | 99 | 6445 | 40.000 | 39.960 | 40.390 | 37.594 | 37.681 |
| | 115 | 6525 | 40.390 | 39.850 | | 37.616 | 37.588 |
| UNII-7 | 123 | 6565 | 39.870 | 39.930 | 40.220 | 37.626 | 37.680 |
| | 147 | 6685 | 39.830 | 39.980 | | 37.529 | 37.655 |
| | 179 | 6845 | 40.220 | 39.930 | | 37.669 | 37.638 |
| UNII-8 | 187 | 6885 | 40.110 | 40.040 | 40.430 | 37.637 | 37.620 |
| | 203 | 6965 | 40.040 | 40.430 | | 37.657 | 37.653 |
| | 227 | 7085 | 39.950 | 40.160 | | 37.622 | 37.590 |
| In Band Emission Test BW | - | - | 39.830 | 39.830 | - | - | - |

9.3.4. 802.11ax HE80

| Band | Channel | Center Freq. [MHz] | 26 dB BW [MHz] | | Worst | 99% BW [MHz] | |
|--------------------------|---------|--------------------|----------------|--------|--------|--------------|--------|
| | | | ANT1 | ANT2 | | ANT1 | ANT2 |
| UNII-5 | 7 | 5985 | 81.410 | 81.420 | 82.010 | 77.128 | 76.992 |
| | 39 | 6145 | 81.990 | 82.010 | | 77.086 | 77.011 |
| | 87 | 6385 | 81.600 | 81.230 | | 76.953 | 77.040 |
| UNII-6 | 103 | 6465 | 81.680 | 81.970 | 81.970 | 77.003 | 77.009 |
| UNII-7 | 119 | 6545 | 81.360 | 81.620 | 81.790 | 77.040 | 76.943 |
| | 151 | 6705 | 81.570 | 81.430 | | 77.090 | 76.905 |
| | 183 | 6865 | 81.790 | 80.890 | | 77.072 | 76.860 |
| UNII-8 | 199 | 6945 | 81.660 | 81.440 | 82.320 | 76.925 | 76.958 |
| | 215 | 7025 | 82.320 | 81.490 | | 77.012 | 76.877 |
| In Band Emission Test BW | - | - | 81.360 | 80.890 | - | - | - |

9.3.5. 802.11ax HE160

| Band | Channel | Center Freq. [MHz] | 26 dB BW [MHz] | | Worst | 99% BW [MHz] | |
|--------------------------|---------|--------------------|----------------|---------|---------|--------------|---------|
| | | | ANT1 | ANT2 | | ANT1 | ANT2 |
| UNII-5 | 15 | 6025 | 164.600 | 163.400 | 165.300 | 155.650 | 155.760 |
| | 47 | 6185 | 165.300 | 163.500 | | 155.590 | 155.860 |
| | 79 | 6345 | 164.500 | 164.600 | | 155.840 | 155.520 |
| UNII-6 | 111 | 6505 | 163.300 | 164.100 | 164.100 | 155.640 | 155.480 |
| UNII-7 | 143 | 6665 | 164.900 | 164.200 | 165.100 | 155.670 | 155.440 |
| | 175 | 6825 | 165.100 | 164.600 | | 155.690 | 155.650 |
| UNII-8 | 207 | 6985 | 165.100 | 163.700 | 165.100 | 155.530 | 155.590 |
| In Band Emission Test BW | - | - | 163.300 | 163.400 | - | - | - |

10. ANTENNA PORT TEST RESULTS

10.1. OUTPUT POWER AND PPSD

LIMITS

FCC §15.407 (a) (8)

For client devices operating under the control of an indoor access point in the 5.925-7.125 GHz bands, the maximum power spectral density must not exceed -1 dBm e.i.r.p. in any 1megahertz band, and the maximum e.i.r.p. over the frequency band of operation must not exceed 24 dBm.

TEST PROCEDURE

KDB 789033 Method PM is used for output power.

KDB 789033 Method SA-2 is used for only power of straddle Ch. and PPSD. RBW set to 1MHz, the VBW \geq 3 x RBW, RMS detector and trace averaging. Band power function used for power and peak marker value of the spectrum is used for PSD.

DIRECTIONAL ANTENNA GAIN

For OUTPUT POWER and PSD: The TX chains are correlated and the antenna gains are unequal among the chains. The directional gain is:

| Frequency Band [MHz] | ANT1 Gain [dBi] | ANT2 Gain [dBi] | Correlated Chains Directional Gain [dBi] |
|-----------------------|-----------------|-----------------|--|
| UNII 5 5925 – 6425 | -3.60 | -2.80 | -0.18 |
| UNII 6 6425 – 6525 | -4.30 | -4.20 | -1.24 |
| UNII 7 6525 – 6875 | -4.40 | -4.20 | -1.29 |
| UNII 8 6875 - 7125 | -5.50 | -5.30 | -2.39 |

10.1.1. 802.11a MODE

Output Power Results

| Band | Channel | Freq. [MHz] | Average Power [dBm] | | | Direct. Gain [dBi] | Corr'd e.i.r.p [dBm] | Max e.i.r.p Limit [dBm] |
|--------|---------|----------------|---------------------|------|------|-----------------------|----------------------------|----------------------------------|
| | | | ANT1 | ANT2 | MIMO | | | |
| UNII-5 | 1 | 5955 | 5.84 | 6.39 | 9.13 | -0.18 | 8.95 | 24.00 |
| | 45 | 6175 | 5.91 | 6.30 | 9.12 | -0.18 | 8.94 | |
| | 93 | 6415 | 6.38 | 5.08 | 8.79 | -0.18 | 8.61 | |
| UNII-6 | 97 | 6435 | 6.78 | 5.83 | 9.34 | -1.24 | 8.10 | 24.00 |
| | 105 | 6475 | 6.74 | 5.67 | 9.25 | -1.24 | 8.01 | |
| | 113 | 6515 | 6.67 | 6.41 | 9.55 | -1.24 | 8.31 | |
| UNII-7 | 117 | 6535 | 6.64 | 6.40 | 9.53 | -1.29 | 8.24 | 24.00 |
| | 149 | 6695 | 5.01 | 6.92 | 9.08 | -1.29 | 7.79 | |
| | 185 | 6875 | 5.79 | 6.18 | 9.00 | -1.29 | 7.71 | |
| UNII-8 | 189 | 6895 | 5.74 | 6.07 | 8.92 | -2.39 | 6.53 | 24.00 |
| | 209 | 6995 | 6.99 | 5.92 | 9.50 | -2.39 | 7.11 | |
| | 233 | 7115 | 6.64 | 5.06 | 8.93 | -2.39 | 6.54 | |

* Calculation of Output Power : Average Power = Meas Power + Duty CF[dB]

Corr'd e.i.r.p = Ant1 Average Power + Ant2 Average Power + Directional Gain

PSD Results

| Band | Channel | Freq. [MHz] | Meas PSD [dBm/MHz] | | | DCCF | Direct. Gain [dBi] | Corr'd PSD e.i.r.p [dBm] | PSD e.i.r.p Limit [dBm/MHz] |
|--------|---------|----------------|--------------------|---------------|---------------|------|--------------------------|-----------------------------------|--------------------------------------|
| | | | ANT1 | ANT2 | MIMO | | | | |
| UNII-5 | 1 | 5955 | -4.606 | -4.143 | -1.358 | - | -0.18 | -1.538 | -1.00 |
| | 45 | 6175 | -4.550 | -4.100 | -1.309 | - | -0.18 | -1.489 | |
| | 93 | 6415 | -4.055 | -5.727 | -1.801 | - | -0.18 | -1.981 | |
| UNII-6 | 97 | 6435 | -4.105 | -5.009 | -1.523 | - | -1.24 | -2.763 | -1.00 |
| | 105 | 6475 | -4.121 | -5.013 | -1.534 | - | -1.24 | -2.774 | |
| | 113 | 6515 | -4.006 | -4.114 | -1.049 | - | -1.24 | -2.289 | |
| UNII-7 | 117 | 6535 | -4.036 | -4.160 | -1.087 | - | -1.29 | -2.377 | -1.00 |
| | 149 | 6695 | -5.731 | -3.763 | -1.626 | - | -1.29 | -2.916 | |
| | 185 | 6875 | -4.721 | -4.514 | -1.606 | - | -1.29 | -2.896 | |
| UNII-8 | 189 | 6895 | -4.731 | -4.420 | -1.562 | - | -2.39 | -3.952 | -1.00 |
| | 209 | 6995 | -3.826 | -4.533 | -1.155 | - | -2.39 | -3.545 | |
| | 233 | 7115 | -4.107 | -5.353 | -1.675 | - | -2.39 | -4.065 | |

Corr'd PSD e.i.r.p = ANT1 Meas PSD + Ant2 Meas PSD + DCCF + Directional Gain

10.1.2. 802.11ax HE20 MODE

Output Power Results

| Band | Channel | Freq. [MHz] | Tones | RU offset | Average Power [dBm] | | | Direct. Gain [dBi] | Corr'd e.i.r.p [dBm] | Max e.i.r.p Limit [dBm] |
|--------|---------|----------------|-------|--------------|---------------------|-------|-------|--------------------------|----------------------------|----------------------------------|
| | | | | | ANT1 | ANT2 | MIMO | | | |
| UNII-5 | 1 | 5955 | 26T | 0 | -3.36 | -2.28 | 0.22 | -0.18 | 0.04 | 24.00 |
| | | | | 4 | -3.18 | -2.18 | 0.36 | -0.18 | 0.18 | |
| | | | | 8 | -3.25 | -2.30 | 0.26 | -0.18 | 0.08 | |
| | | | 52T | 37 | -0.21 | 0.45 | 3.14 | -0.18 | 2.96 | |
| | | | | 38 | -0.12 | 0.56 | 3.24 | -0.18 | 3.06 | |
| | | | | 40 | -0.15 | 0.44 | 3.17 | -0.18 | 2.99 | |
| | | | 106T | 53 | 2.51 | 1.22 | 4.92 | -0.18 | 4.74 | |
| | | | | 54 | 2.58 | 1.58 | 5.12 | -0.18 | 4.94 | |
| | 45 | 6175 | SU | - | 5.82 | 6.43 | 9.15 | -0.18 | 8.97 | |
| | | | 26T | 0 | -3.49 | -2.82 | -0.13 | -0.18 | -0.31 | |
| | | | | 4 | -3.37 | -2.76 | -0.04 | -0.18 | -0.22 | |
| | | | | 8 | -3.44 | -2.91 | -0.16 | -0.18 | -0.34 | |
| | | | 52T | 37 | -0.19 | 0.05 | 2.94 | -0.18 | 2.76 | |
| | | | | 38 | -0.04 | 0.12 | 3.05 | -0.18 | 2.87 | |
| | | | | 40 | -0.08 | -0.11 | 2.92 | -0.18 | 2.74 | |
| | | | 106T | 53 | 3.63 | 3.79 | 6.72 | -0.18 | 6.54 | |
| | | | | 54 | 3.69 | 3.69 | 6.70 | -0.18 | 6.52 | |
| | | | SU | - | 5.90 | 6.40 | 9.17 | -0.18 | 8.99 | |
| | 93 | 6415 | 26T | 0 | -2.85 | -3.09 | 0.04 | -0.18 | -0.14 | 24.00 |
| | | | | 4 | -2.73 | -3.13 | 0.08 | -0.18 | -0.10 | |
| | | | | 8 | -2.81 | -3.18 | 0.02 | -0.18 | -0.16 | |
| | | | 52T | 37 | 0.26 | -0.29 | 3.00 | -0.18 | 2.82 | |
| | | | | 38 | 0.32 | -0.13 | 3.11 | -0.18 | 2.93 | |
| | | | | 40 | 0.22 | -0.28 | 2.99 | -0.18 | 2.81 | |
| | | | 106T | 53 | 2.94 | 1.80 | 5.42 | -0.18 | 5.24 | |
| | | | | 54 | 2.88 | 1.81 | 5.39 | -0.18 | 5.21 | |
| | | | SU | - | 6.47 | 5.03 | 8.82 | -0.18 | 8.64 | |

* Calculation of Output Power : Average Power = Meas Power + Duty CF[dB]

Corr'd e.i.r.p = Ant1 Average Power + Ant2 Average Power + Directional Gain

| Band | Channel | Freq. [MHz] | Tones | RU offset | Average Power [dBm] | | | Direct. Gain [dBi] | Corr'd e.i.r.p [dBm] | Max e.i.r.p Limit [dBm] |
|--------|---------|----------------|-------|--------------|---------------------|-------|-------|--------------------------|----------------------------|----------------------------------|
| | | | | | ANT1 | ANT2 | MIMO | | | |
| UNII-6 | 97 | 6435 | 26T | 0 | -2.74 | -3.24 | 0.03 | -1.24 | -1.21 | 24.00 |
| | | | | 4 | -2.61 | -3.16 | 0.13 | -1.24 | -1.11 | |
| | | | | 8 | -2.68 | -3.29 | 0.04 | -1.24 | -1.20 | |
| | | | 52T | 37 | 0.41 | -0.10 | 3.17 | -1.24 | 1.93 | |
| | | | | 38 | 0.54 | 0.03 | 3.30 | -1.24 | 2.06 | |
| | | | | 40 | 0.42 | -0.12 | 3.17 | -1.24 | 1.93 | |
| | | | 106T | 53 | 3.98 | 3.33 | 6.68 | -1.24 | 5.44 | |
| | | | | 54 | 3.99 | 3.21 | 6.63 | -1.24 | 5.39 | |
| | 105 | 6475 | SU | - | 6.23 | 5.30 | 8.80 | -1.24 | 7.56 | |
| | | | 26T | 0 | -3.41 | -3.80 | -0.59 | -1.24 | -1.83 | |
| | | | | 4 | -3.28 | -3.73 | -0.49 | -1.24 | -1.73 | |
| | | | | 8 | -3.36 | -3.81 | -0.57 | -1.24 | -1.81 | |
| | | | 52T | 37 | -0.24 | -0.49 | 2.65 | -1.24 | 1.41 | |
| | | | | 38 | -0.12 | -0.38 | 2.76 | -1.24 | 1.52 | |
| | | | | 40 | -0.25 | -0.51 | 2.63 | -1.24 | 1.39 | |
| | | | 106T | 53 | 3.98 | 3.18 | 6.61 | -1.24 | 5.37 | |
| | | | | 54 | 3.97 | 3.10 | 6.57 | -1.24 | 5.33 | |
| | | | SU | - | 6.21 | 5.22 | 8.75 | -1.24 | 7.51 | |
| | 113 | 6515 | 26T | 0 | -3.50 | -3.53 | -0.50 | -1.24 | -1.74 | 24.00 |
| | | | | 4 | -3.41 | -3.66 | -0.52 | -1.24 | -1.76 | |
| | | | | 8 | -3.54 | -3.80 | -0.66 | -1.24 | -1.90 | |
| | | | 52T | 37 | -0.43 | -0.63 | 2.48 | -1.24 | 1.24 | |
| | | | | 38 | -0.32 | -0.53 | 2.59 | -1.24 | 1.35 | |
| | | | | 40 | -0.49 | -0.62 | 2.46 | -1.24 | 1.22 | |
| | | | 106T | 53 | 3.70 | 3.38 | 6.55 | -1.24 | 5.31 | |
| | | | | 54 | 3.58 | 3.36 | 6.48 | -1.24 | 5.24 | |
| | | | SU | - | 6.15 | 5.86 | 9.02 | -1.24 | 7.78 | |

* Calculation of Output Power : Average Power = Meas Power + Duty CF[dB]

Corr'd e.i.r.p = Ant1 Average Power + Ant2 Average Power + Directional Gain

| Band | Channel | Freq. [MHz] | Tones | RU offset | Average Power [dBm] | | | Direct. Gain [dBi] | Corr'd e.i.r.p [dBm] | Max e.i.r.p Limit [dBm] |
|--------|---------|----------------|-------|--------------|---------------------|-------|-------|--------------------------|----------------------------|----------------------------------|
| | | | | | ANT1 | ANT2 | MIMO | | | |
| UNII-7 | 117 | 6535 | 26T | 0 | -3.22 | -3.56 | -0.38 | -1.29 | -1.67 | 24.00 |
| | | | | 4 | -3.16 | -3.27 | -0.20 | -1.29 | -1.49 | |
| | | | | 8 | -3.31 | -3.32 | -0.30 | -1.29 | -1.59 | |
| | | | 52T | 37 | -0.03 | 0.48 | 3.24 | -1.29 | 1.95 | |
| | | | | 38 | 0.09 | 0.55 | 3.34 | -1.29 | 2.05 | |
| | | | | 40 | -0.05 | 0.45 | 3.22 | -1.29 | 1.93 | |
| | | | 106T | 53 | 3.62 | 3.37 | 6.51 | -1.29 | 5.22 | |
| | | | | 54 | 3.54 | 3.36 | 6.46 | -1.29 | 5.17 | |
| | 149 | 6695 | SU | - | 6.10 | 5.90 | 9.01 | -1.29 | 7.72 | |
| | | | 26T | 0 | -2.64 | -3.09 | 0.15 | -1.29 | -1.14 | |
| | | | | 4 | -2.58 | -3.15 | 0.15 | -1.29 | -1.14 | |
| | | | | 8 | -2.77 | -3.29 | -0.01 | -1.29 | -1.30 | |
| | | | 52T | 37 | 0.44 | -0.11 | 3.18 | -1.29 | 1.89 | |
| | | | | 38 | 0.51 | 0.02 | 3.28 | -1.29 | 1.99 | |
| | | | | 40 | 0.28 | -0.17 | 3.07 | -1.29 | 1.78 | |
| | | | 106T | 53 | 2.66 | 4.64 | 6.77 | -1.29 | 5.48 | |
| | | | | 54 | 2.59 | 4.54 | 6.68 | -1.29 | 5.39 | |
| | | | SU | - | 5.02 | 6.91 | 9.08 | -1.29 | 7.79 | |
| | 185 | 6875 | 26T | 0 | -3.28 | -3.53 | -0.39 | -1.29 | -1.68 | 24.00 |
| | | | | 4 | -3.38 | -3.29 | -0.32 | -1.29 | -1.61 | |
| | | | | 8 | -3.44 | -3.34 | -0.38 | -1.29 | -1.67 | |
| | | | 52T | 37 | -0.31 | 0.10 | 2.91 | -1.29 | 1.62 | |
| | | | | 38 | -0.25 | 0.24 | 3.01 | -1.29 | 1.72 | |
| | | | | 40 | -0.44 | 0.16 | 2.88 | -1.29 | 1.59 | |
| | | | 106T | 53 | 2.69 | 3.06 | 5.89 | -1.29 | 4.60 | |
| | | | | 54 | 2.60 | 3.04 | 5.84 | -1.29 | 4.55 | |
| | | | SU | - | 5.78 | 6.17 | 8.99 | -1.29 | 7.70 | |

* Calculation of Output Power : Average Power = Meas Power + Duty CF[dB]

Corr'd e.i.r.p = Ant1 Average Power + Ant2 Average Power + Directional Gain

| Band | Channel | Freq. [MHz] | Tones | RU offset | Average Power [dBm] | | | Direct. Gain [dBi] | Corr'd e.i.r.p [dBm] | Max e.i.r.p Limit [dBm] |
|--------|---------|----------------|-------|--------------|---------------------|-------|-------|--------------------------|----------------------------|----------------------------------|
| | | | | | ANT1 | ANT2 | MIMO | | | |
| UNII-8 | 189 | 6895 | 26T | 0 | -3.23 | -3.40 | -0.30 | -2.39 | -2.69 | 24.00 |
| | | | | 4 | -3.23 | -3.31 | -0.26 | -2.39 | -2.65 | |
| | | | | 8 | -3.33 | -3.42 | -0.36 | -2.39 | -2.75 | |
| | | | 52T | 37 | -0.19 | -0.54 | 2.65 | -2.39 | 0.26 | |
| | | | | 38 | -0.13 | -0.37 | 2.76 | -2.39 | 0.37 | |
| | | | | 40 | -0.35 | -0.45 | 2.61 | -2.39 | 0.22 | |
| | | | 106T | 53 | 2.61 | 2.96 | 5.80 | -2.39 | 3.41 | |
| | | | | 54 | 2.49 | 2.89 | 5.70 | -2.39 | 3.31 | |
| | 209 | 6995 | SU | - | 5.71 | 6.07 | 8.90 | -2.39 | 6.51 | |
| | | | 26T | 0 | -3.44 | -2.70 | -0.04 | -2.39 | -2.43 | |
| | | | | 4 | -3.19 | -2.55 | 0.15 | -2.39 | -2.24 | |
| | | | | 8 | -3.23 | -2.64 | 0.09 | -2.39 | -2.30 | |
| | | | 52T | 37 | 0.01 | 0.23 | 3.13 | -2.39 | 0.74 | |
| | | | | 38 | 0.05 | 0.41 | 3.24 | -2.39 | 0.85 | |
| | | | | 40 | -0.09 | 0.39 | 3.17 | -2.39 | 0.78 | |
| | | | 106T | 53 | 3.98 | 3.02 | 6.54 | -2.39 | 4.15 | |
| | | | | 54 | 3.91 | 3.00 | 6.49 | -2.39 | 4.10 | |
| | | | SU | - | 6.51 | -2.76 | 9.01 | -2.39 | 6.62 | |
| 233 | 7115 | 26T | 0 | -3.76 | -2.70 | -0.22 | -2.39 | -2.61 | 24.00 | |
| | | | 4 | -3.68 | -2.70 | -0.15 | -2.39 | -2.54 | | |
| | | | 8 | -3.65 | 0.31 | -0.14 | -2.39 | -2.53 | | |
| | | | 52T | 37 | -0.71 | 0.48 | 2.84 | -2.39 | 0.45 | |
| | | | | 38 | -0.63 | 0.42 | 2.97 | -2.39 | 0.58 | |
| | | | | 40 | -0.65 | 2.13 | 2.93 | -2.39 | 0.54 | |
| | | | 106T | 53 | 3.88 | 2.12 | 6.10 | -2.39 | 3.71 | |
| | | | | 54 | 3.83 | -2.76 | 6.07 | -2.39 | 3.68 | |
| | | | SU | - | 6.65 | 5.04 | 8.93 | -2.39 | 6.54 | |

* Calculation of Output Power : Average Power = Meas Power + Duty CF[dB]

Corr'd e.i.r.p = Ant1 Average Power + Ant2 Average Power + Directional Gain

PSD Results

| Band | Channel | Freq. [MHz] | Tones | RU offset | Meas PSD [dBm/MHz] | | | DCCF | Direct. Gain [dBi] | Corr'd PSD e.i.r.p [dBm] | PSD e.i.r.p Limit [dBm/MHz] |
|--------|---------|----------------|-------|--------------|--------------------|--------|--------|------|--------------------------|-----------------------------------|--------------------------------------|
| | | | | | ANT1 | ANT2 | MIMO | | | | |
| UNII-5 | 1 | 5955 | 26T | 0 | -5.164 | -5.168 | -2.156 | - | -0.18 | -2.336 | |
| | | | | 4 | -5.889 | -6.235 | -3.048 | - | -0.18 | -3.228 | |
| | | | | 8 | -5.344 | -5.426 | -2.375 | - | -0.18 | -2.555 | |
| | | | SU | - | -5.319 | -5.476 | -2.386 | - | -0.18 | -2.566 | |
| | 45 | 6175 | 26T | 0 | -5.958 | -5.493 | -2.709 | - | -0.18 | -2.889 | |
| | | | | 4 | -6.269 | -6.984 | -3.602 | - | -0.18 | -3.782 | |
| | | | | 8 | -5.994 | -6.392 | -3.178 | - | -0.18 | -3.358 | |
| | | | SU | - | -5.418 | -5.520 | -2.458 | - | -0.18 | -2.638 | |
| | 93 | 6415 | 26T | 0 | -5.764 | -5.459 | -2.599 | - | -0.18 | -2.779 | |
| | | | | 4 | -6.434 | -6.309 | -3.361 | - | -0.18 | -3.541 | |
| | | | | 8 | -5.585 | -5.403 | -2.483 | - | -0.18 | -2.663 | |
| | | | SU | - | -4.704 | -6.316 | -2.425 | - | -0.18 | -2.605 | |
| UNII-6 | 97 | 6435 | 26T | 0 | -4.939 | -5.606 | -2.249 | - | -1.24 | -3.489 | |
| | | | | 4 | -5.945 | -6.478 | -3.193 | - | -1.24 | -4.433 | |
| | | | | 8 | -5.367 | -5.668 | -2.505 | - | -1.24 | -3.745 | |
| | | | SU | - | -5.103 | -5.765 | -2.411 | - | -1.24 | -3.651 | |
| | 105 | 6475 | 26T | 0 | -5.716 | -5.650 | -2.673 | - | -1.24 | -3.913 | |
| | | | | 4 | -6.894 | -6.944 | -3.909 | - | -1.24 | -5.149 | |
| | | | | 8 | -5.747 | -5.985 | -2.854 | - | -1.24 | -4.094 | |
| | | | SU | - | -4.895 | -5.921 | -2.367 | - | -1.24 | -3.607 | |
| | 113 | 6515 | 26T | 0 | -5.738 | -5.850 | -2.783 | - | -1.24 | -4.023 | |
| | | | | 4 | -6.974 | -6.856 | -3.904 | - | -1.24 | -5.144 | |
| | | | | 8 | -5.897 | -5.736 | -2.805 | - | -1.24 | -4.045 | |
| | | | SU | - | -5.108 | -5.044 | -2.066 | - | -1.24 | -3.306 | |
| UNII-7 | 117 | 6535 | 26T | 0 | -5.316 | -5.498 | -2.396 | - | -1.29 | -3.686 | |
| | | | | 4 | -6.306 | -6.470 | -3.377 | - | -1.29 | -4.667 | |
| | | | | 8 | -5.658 | -5.445 | -2.540 | - | -1.29 | -3.830 | |
| | | | SU | - | -5.035 | -5.300 | -2.155 | - | -1.29 | -3.445 | |
| | 149 | 6695 | 26T | 0 | -4.725 | -5.492 | -2.081 | - | -1.29 | -3.371 | |
| | | | | 4 | -5.750 | -6.561 | -3.126 | - | -1.29 | -4.416 | |
| | | | | 8 | -5.206 | -5.508 | -2.344 | - | -1.29 | -3.634 | |
| | | | SU | - | -6.093 | -4.198 | -2.033 | - | -1.29 | -3.323 | |
| | 185 | 6875 | 26T | 0 | -5.263 | -5.904 | -2.561 | - | -1.29 | -3.851 | |
| | | | | 4 | -6.348 | -6.576 | -3.450 | - | -1.29 | -4.740 | |
| | | | | 8 | -5.298 | -5.541 | -2.408 | - | -1.29 | -3.698 | |
| | | | SU | - | -5.268 | -4.642 | -1.933 | - | -1.29 | -3.223 | |
| UNII-8 | 189 | 6895 | 26T | 0 | -5.175 | -5.538 | -2.342 | - | -2.39 | -4.732 | |
| | | | | 4 | -6.298 | -6.439 | -3.358 | - | -2.39 | -5.748 | |
| | | | | 8 | -5.573 | -5.787 | -2.668 | - | -2.39 | -5.058 | |
| | | | SU | - | -5.302 | -5.063 | -2.171 | - | -2.39 | -4.561 | |
| | 209 | 6995 | 26T | 0 | -5.284 | -5.110 | -2.186 | - | -2.39 | -4.576 | |
| | | | | 4 | -6.399 | -5.808 | -3.083 | - | -2.39 | -5.473 | |
| | | | | 8 | -5.356 | -4.862 | -2.092 | - | -2.39 | -4.482 | |
| | | | SU | - | -4.586 | -5.774 | -2.129 | - | -2.39 | -4.519 | |
| | 233 | 7115 | 26T | 0 | -6.013 | -4.957 | -2.443 | - | -2.39 | -4.833 | |
| | | | | 4 | -7.194 | -5.998 | -3.545 | - | -2.39 | -5.935 | |
| | | | | 8 | -6.057 | -4.987 | -2.479 | - | -2.39 | -4.869 | |
| | | | SU | - | -4.619 | -5.874 | -2.191 | - | -2.39 | -4.581 | |

-1.00

* Corr'd PSD e.i.r.p = ANT1 Meas PSD + Ant2 Meas PSD + DCCF + Directional Gain

10.1.3. 802.11ax HE40 MODE

Output Power Results

| Band | Channel | Freq. [MHz] | Tones | RU offset | Average Power [dBm] | | | Direct. Gain [dBi] | Corr'd e.i.r.p [dBm] | Max e.i.r.p Limit [dBm] |
|--------|---------|----------------|-------|--------------|---------------------|-------|-------|--------------------------|----------------------------|----------------------------------|
| | | | | | ANT1 | ANT2 | MIMO | | | |
| UNII-5 | 3 | 5965 | 26T | 0 | -3.82 | -2.84 | -0.29 | -0.18 | -0.47 | 24.00 |
| | | | | 9 | -3.29 | -2.45 | 0.16 | -0.18 | -0.02 | |
| | | | | 17 | -3.77 | -3.09 | -0.41 | -0.18 | -0.59 | |
| | | | 52T | 37 | -0.36 | 0.42 | 3.06 | -0.18 | 2.88 | |
| | | | | 41 | 0.01 | 0.67 | 3.36 | -0.18 | 3.18 | |
| | | | | 44 | -0.40 | 0.17 | 2.90 | -0.18 | 2.72 | |
| | | | 106T | 53 | 2.20 | 1.57 | 4.91 | -0.18 | 4.73 | |
| | | | | 54 | 2.46 | 1.51 | 5.02 | -0.18 | 4.84 | |
| | | | | 56 | 2.32 | 1.54 | 4.96 | -0.18 | 4.78 | |
| | 43 | 6165 | 242T | 61 | 6.45 | 6.73 | 9.60 | -0.18 | 9.42 | 24.00 |
| | | | | 62 | 6.59 | 6.79 | 9.70 | -0.18 | 9.52 | |
| | | | SU | - | 9.46 | 9.25 | 12.37 | -0.18 | 12.19 | |
| | | | 26T | 0 | -3.57 | -2.86 | -0.19 | -0.18 | -0.37 | |
| | | | | 9 | -3.04 | -2.64 | 0.17 | -0.18 | -0.01 | |
| | | | | 17 | -3.44 | -3.29 | -0.35 | -0.18 | -0.53 | |
| | 91 | 6405 | 52T | 37 | -0.74 | -0.23 | 2.53 | -0.18 | 2.35 | 24.00 |
| | | | | 41 | -0.23 | -0.02 | 2.89 | -0.18 | 2.71 | |
| | | | | 44 | -0.57 | -0.60 | 2.43 | -0.18 | 2.25 | |
| | | | 106T | 53 | 3.45 | 3.80 | 6.64 | -0.18 | 6.46 | |
| | | | | 54 | 3.80 | 3.98 | 6.90 | -0.18 | 6.72 | |
| | | | | 56 | 3.63 | 3.72 | 6.69 | -0.18 | 6.51 | |
| | | | 242T | 61 | 6.06 | 6.29 | 9.19 | -0.18 | 9.01 | |
| | | | | 62 | 6.12 | 6.22 | 9.18 | -0.18 | 9.00 | |
| | | | SU | - | 8.67 | 8.81 | 11.75 | -0.18 | 11.57 | |
| | | | 26T | 0 | -3.40 | -3.99 | -0.67 | -0.18 | -0.85 | |
| | | | | 9 | -2.92 | -3.54 | -0.21 | -0.18 | -0.39 | |
| | | | | 17 | -3.60 | -3.98 | -0.78 | -0.18 | -0.96 | |
| | | | 52T | 37 | -0.17 | -0.65 | 2.61 | -0.18 | 2.43 | |
| | | | | 41 | 0.12 | -0.35 | 2.90 | -0.18 | 2.72 | |
| | | | | 44 | -0.32 | -0.82 | 2.45 | -0.18 | 2.27 | |
| | | | 106T | 53 | 2.52 | 1.51 | 5.05 | -0.18 | 4.87 | |
| | | | | 54 | 2.68 | 1.59 | 5.18 | -0.18 | 5.00 | |
| | | | | 56 | 2.45 | 1.51 | 5.02 | -0.18 | 4.84 | |
| | | | 242T | 61 | 6.65 | 4.78 | 8.83 | -0.18 | 8.65 | |
| | | | | 62 | 6.51 | 4.65 | 8.69 | -0.18 | 8.51 | |
| | | | SU | - | 9.64 | 7.56 | 11.73 | -0.18 | 11.55 | |

* Calculation of Output Power : Average Power = Meas Power + Duty CF[dB]

Corr'd e.i.r.p = Ant1 Average Power + Ant2 Average Power + Directional Gain

| Band | Channel | Freq. [MHz] | Tones | RU offset | Average Power [dBm] | | | Direct. Gain [dBi] | Corr'd e.i.r.p [dBm] | Max e.i.r.p Limit [dBm] |
|--------|---------|----------------|-------|--------------|---------------------|-------|-------|--------------------------|----------------------------|----------------------------------|
| | | | | | ANT1 | ANT2 | MIMO | | | |
| UNII-6 | 99 | 6445 | 26T | 0 | -3.38 | -3.41 | -0.38 | -1.24 | -1.62 | 24.00 |
| | | | | 9 | -2.98 | -3.04 | 0.00 | -1.24 | -1.24 | |
| | | | | 17 | -3.42 | -3.58 | -0.49 | -1.24 | -1.73 | |
| | | | 52T | 37 | -0.03 | -0.26 | 2.87 | -1.24 | 1.63 | |
| | | | | 41 | 0.33 | 0.04 | 3.20 | -1.24 | 1.96 | |
| | | | | 44 | -0.14 | -0.45 | 2.72 | -1.24 | 1.48 | |
| | | | 106T | 53 | 3.98 | 3.32 | 6.67 | -1.24 | 5.43 | |
| | | | | 54 | 4.01 | 3.47 | 6.76 | -1.24 | 5.52 | |
| | | | | 56 | 3.88 | 3.10 | 6.52 | -1.24 | 5.28 | |
| | | | 242T | 61 | 6.61 | 5.70 | 9.19 | -1.24 | 7.95 | |
| | | | | 62 | 6.48 | 5.55 | 9.05 | -1.24 | 7.81 | |
| | | | | SU | - | 9.77 | 8.71 | -1.24 | 11.04 | |
| | 115 | 6525 | 26T | 0 | -3.35 | -3.91 | -0.61 | -1.24 | -1.85 | |
| | | | | 9 | -2.93 | -3.23 | -0.07 | -1.24 | -1.31 | |
| | | | | 17 | -3.44 | -3.65 | -0.53 | -1.24 | -1.77 | |
| | | | 52T | 37 | 0.11 | 0.52 | 3.33 | -1.24 | 2.09 | |
| | | | | 41 | 0.44 | 0.92 | 3.70 | -1.24 | 2.46 | |
| | | | | 44 | -0.01 | 0.47 | 3.25 | -1.24 | 2.01 | |
| | | | 106T | 53 | 3.98 | 3.85 | 6.93 | -1.24 | 5.69 | |
| | | | | 54 | 3.82 | 3.61 | 6.73 | -1.24 | 5.49 | |
| | | | | 56 | 3.50 | 3.33 | 6.43 | -1.24 | 5.19 | |
| | | | 242T | 61 | 6.54 | 6.27 | 9.42 | -1.24 | 8.18 | |
| | | | | 62 | 6.35 | 6.16 | 9.27 | -1.24 | 8.03 | |
| | | | | SU | - | 9.77 | 9.01 | -1.24 | 11.18 | |

* Calculation of Output Power : Average Power = Meas Power + Duty CF[dB]

Corr'd e.i.r.p = Ant1 Average Power + Ant2 Average Power + Directional Gain

| Band | Channel | Freq. [MHz] | Tones | RU offset | Average Power [dBm] | | | Direct. Gain [dBi] | Corr'd e.i.r.p [dBm] | Max e.i.r.p Limit [dBm] |
|--------|---------|----------------|-------|--------------|---------------------|-------|-------|--------------------------|----------------------------|----------------------------------|
| | | | | | ANT1 | ANT2 | MIMO | | | |
| UNII-7 | 123 | 6565 | 26T | 0 | -3.55 | -3.90 | -0.71 | -1.29 | -2.00 | 24.00 |
| | | | | 9 | -3.14 | -3.22 | -0.17 | -1.29 | -1.46 | |
| | | | | 17 | -3.60 | -3.66 | -0.62 | -1.29 | -1.91 | |
| | | | 52T | 37 | -0.14 | -0.48 | 2.70 | -1.29 | 1.41 | |
| | | | | 41 | 0.23 | 0.83 | 3.55 | -1.29 | 2.26 | |
| | | | | 44 | -0.22 | 0.42 | 3.12 | -1.29 | 1.83 | |
| | | | 106T | 53 | 3.15 | 4.10 | 6.66 | -1.29 | 5.37 | |
| | | | | 54 | 3.33 | 4.35 | 6.88 | -1.29 | 5.59 | |
| | | | | 56 | 2.85 | 3.94 | 6.44 | -1.29 | 5.15 | |
| | | | 242T | 61 | 5.38 | 6.52 | 9.00 | -1.29 | 7.71 | |
| | | | | 62 | 5.20 | 6.41 | 8.86 | -1.29 | 7.57 | |
| | | | | SU | - | 8.49 | 9.33 | -1.29 | 10.65 | |
| | | | 26T | 0 | -3.67 | -3.18 | -0.41 | -1.29 | -1.70 | |
| | | | | 9 | -3.29 | -2.89 | -0.08 | -1.29 | -1.37 | |
| | | | | 17 | -3.98 | -3.47 | -0.71 | -1.29 | -2.00 | |
| | | 147 | 52T | 37 | -0.36 | 0.11 | 2.89 | -1.29 | 1.60 | |
| | | | | 41 | -0.12 | 0.34 | 3.13 | -1.29 | 1.84 | |
| | | | | 44 | -0.72 | -0.16 | 2.58 | -1.29 | 1.29 | |
| | | | 106T | 53 | 2.88 | 4.41 | 6.72 | -1.29 | 5.43 | |
| | | | | 54 | 3.04 | 4.51 | 6.85 | -1.29 | 5.56 | |
| | | | | 56 | 2.53 | 4.39 | 6.57 | -1.29 | 5.28 | |
| | | | 242T | 61 | 5.38 | 7.40 | 9.52 | -1.29 | 8.23 | |
| | | | | 62 | 5.16 | 7.17 | 9.29 | -1.29 | 8.00 | |
| | | | | SU | - | 8.01 | 9.56 | -1.29 | 10.57 | |
| | | 179 | 26T | 0 | -3.22 | -4.09 | -0.62 | -1.29 | -1.91 | |
| | | | | 9 | -2.89 | -3.39 | -0.12 | -1.29 | -1.41 | |
| | | | | 17 | -3.43 | -3.79 | -0.60 | -1.29 | -1.89 | |
| | | | 52T | 37 | 0.03 | -0.01 | 3.02 | -1.29 | 1.73 | |
| | | | | 41 | 0.33 | 0.47 | 3.41 | -1.29 | 2.12 | |
| | | | | 44 | -0.19 | 0.10 | 2.97 | -1.29 | 1.68 | |
| | | | 106T | 53 | 3.35 | 3.47 | 6.42 | -1.29 | 5.13 | |
| | | | | 54 | 3.53 | 3.64 | 6.60 | -1.29 | 5.31 | |
| | | | | 56 | 3.08 | 3.27 | 6.19 | -1.29 | 4.90 | |
| | | | 242T | 61 | 6.51 | 6.29 | 9.41 | -1.29 | 8.12 | |
| | | | | 62 | 6.32 | 6.18 | 9.26 | -1.29 | 7.97 | |
| | | | | SU | - | 8.81 | 8.67 | -1.29 | 10.46 | |

* Calculation of Output Power : Average Power = Meas Power + Duty CF[dB]

Corr'd e.i.r.p = Ant1 Average Power + Ant2 Average Power + Directional Gain

| Band | Channel | Freq. [MHz] | Tones | RU offset | Average Power [dBm] | | | Direct. Gain [dBi] | Corr'd e.i.r.p [dBm] | Max e.i.r.p Limit [dBm] |
|--------|---------|----------------|-------|--------------|---------------------|-------|-------|--------------------------|----------------------------|----------------------------------|
| | | | | | ANT1 | ANT2 | MIMO | | | |
| UNII-8 | 187 | 6885 | 26T | 0 | -3.32 | -3.65 | -0.47 | -2.39 | -2.86 | 24.00 |
| | | | | 9 | -2.93 | -3.16 | -0.03 | -2.39 | -2.42 | |
| | | | | 17 | -3.59 | -3.67 | -0.62 | -2.39 | -3.01 | |
| | | | 52T | 37 | -0.02 | -0.51 | 2.75 | -2.39 | 0.36 | |
| | | | | 41 | 0.19 | -0.11 | 3.05 | -2.39 | 0.66 | |
| | | | | 44 | -0.31 | -0.51 | 2.60 | -2.39 | 0.21 | |
| | | | 106T | 53 | 2.77 | 3.14 | 5.97 | -2.39 | 3.58 | |
| | | | | 54 | 2.92 | 3.34 | 6.15 | -2.39 | 3.76 | |
| | | | | 56 | 2.48 | 2.92 | 5.72 | -2.39 | 3.33 | |
| | | | 242T | 61 | 5.63 | 5.94 | 8.80 | -2.39 | 6.41 | |
| | | | | 62 | 5.46 | 5.80 | 8.64 | -2.39 | 6.25 | |
| | | | | SU | - | 8.69 | 8.71 | -2.39 | 9.32 | |
| | 203 | 6965 | 26T | 0 | -3.45 | -3.29 | -0.36 | -2.39 | -2.75 | |
| | | | | 9 | -3.09 | -2.73 | 0.10 | -2.39 | -2.29 | |
| | | | | 17 | -3.65 | -3.06 | -0.33 | -2.39 | -2.72 | |
| | | | 52T | 37 | -0.30 | -0.16 | 2.78 | -2.39 | 0.39 | |
| | | | | 41 | -0.04 | 0.36 | 3.17 | -2.39 | 0.78 | |
| | | | | 44 | -0.51 | 0.05 | 2.79 | -2.39 | 0.40 | |
| | | | 106T | 53 | 2.48 | 3.81 | 6.21 | -2.39 | 3.82 | |
| | | | | 54 | 2.70 | 4.02 | 6.42 | -2.39 | 4.03 | |
| | | | | 56 | 2.24 | 3.64 | 6.01 | -2.39 | 3.62 | |
| | | | 242T | 61 | 5.55 | 7.16 | 9.44 | -2.39 | 7.05 | |
| | | | | 62 | 5.42 | 7.02 | 9.30 | -2.39 | 6.91 | |
| | | | | SU | - | 8.55 | 9.71 | -2.39 | 9.79 | |
| | 227 | 7085 | 26T | 0 | -4.22 | -3.25 | -0.70 | -2.39 | -3.09 | |
| | | | | 9 | -3.55 | -2.58 | -0.03 | -2.39 | -2.42 | |
| | | | | 17 | -3.98 | -2.98 | -0.44 | -2.39 | -2.83 | |
| | | | 52T | 37 | -0.94 | 0.05 | 2.59 | -2.39 | 0.20 | |
| | | | | 41 | -0.48 | 0.59 | 3.10 | -2.39 | 0.71 | |
| | | | | 44 | -0.78 | 0.30 | 2.80 | -2.39 | 0.41 | |
| | | | 106T | 53 | 3.71 | 2.87 | 6.32 | -2.39 | 3.93 | |
| | | | | 54 | 3.91 | 3.19 | 6.58 | -2.39 | 4.19 | |
| | | | | 56 | 3.72 | 2.82 | 6.30 | -2.39 | 3.91 | |
| | | | 242T | 61 | 6.70 | 5.97 | 9.36 | -2.39 | 6.97 | |
| | | | | 62 | 6.65 | 5.90 | 9.30 | -2.39 | 6.91 | |
| | | | SU | - | 9.19 | 8.13 | 11.70 | -2.39 | 9.31 | |

* Calculation of Output Power : Average Power = Meas Power + Duty CF[dB]

Corr'd e.i.r.p = Ant1 Average Power + Ant2 Average Power + Directional Gain

PSD Results

| Band | Channel | Freq. [MHz] | Tones | RU offset | Meas PSD [dBm/MHz] | | | DCCF | Direct. Gain [dBi] | Corr'd PSD e.i.r.p [dBm] | PSD e.i.r.p Limit [dBm/MHz] |
|--------|---------|----------------|-------|--------------|--------------------|---------------|---------------|------|--------------------------|-----------------------------------|--------------------------------------|
| | | | | | ANT1 | ANT2 | MIMO | | | | |
| UNII-5 | 3 | 5965 | 26T | 0 | -6.407 | -5.265 | -2.788 | - | -0.18 | -2.968 | |
| | | | | 9 | -6.185 | -5.027 | -2.557 | - | -0.18 | -2.737 | |
| | | | | 17 | -6.111 | -5.556 | -2.814 | - | -0.18 | -2.994 | |
| | | | SU | - | -4.928 | -4.766 | -1.836 | - | -0.18 | -2.016 | |
| | 43 | 6165 | 26T | 0 | -5.881 | -5.222 | -2.529 | - | -0.18 | -2.709 | |
| | | | | 9 | -5.788 | -5.287 | -2.520 | - | -0.18 | -2.700 | |
| | | | | 17 | -6.305 | -5.801 | -3.035 | - | -0.18 | -3.215 | |
| | | | SU | - | -5.718 | -5.269 | -2.477 | - | -0.18 | -2.657 | |
| | 91 | 6405 | 26T | 0 | -6.308 | -6.404 | -3.345 | - | -0.18 | -3.525 | |
| | | | | 9 | -5.395 | -6.270 | -2.800 | - | -0.18 | -2.980 | |
| | | | | 17 | -5.782 | -6.647 | -3.183 | - | -0.18 | -3.363 | |
| | | | SU | - | -4.534 | -6.410 | -2.361 | - | -0.18 | -2.541 | |
| UNII-6 | 99 | 6445 | 26T | 0 | -5.807 | -5.726 | -2.756 | - | -1.24 | -3.996 | |
| | | | | 9 | -5.295 | -4.954 | -2.111 | - | -1.24 | -3.351 | |
| | | | | 17 | -6.196 | -6.525 | -3.347 | - | -1.24 | -4.587 | |
| | | | SU | - | -4.424 | -5.152 | -1.762 | - | -1.24 | -3.002 | |
| | 115 | 6525 | 26T | 0 | -5.882 | -5.900 | -2.881 | - | -1.24 | -4.121 | |
| | | | | 9 | -5.553 | -5.246 | -2.386 | - | -1.24 | -3.626 | |
| | | | | 17 | -5.848 | -5.934 | -2.880 | - | -1.24 | -4.120 | |
| | | | SU | - | -4.272 | -4.733 | -1.486 | - | -1.24 | -2.726 | |
| UNII-7 | 123 | 6565 | 26T | 0 | -5.881 | -6.402 | -3.123 | - | -1.29 | -4.413 | |
| | | | | 9 | -5.671 | -5.628 | -2.639 | - | -1.29 | -3.929 | |
| | | | | 17 | -6.151 | -5.600 | -2.856 | - | -1.29 | -4.146 | |
| | | | SU | - | -5.080 | -4.474 | -1.756 | - | -1.29 | -3.046 | |
| | 147 | 6685 | 26T | 0 | -5.779 | -5.698 | -2.728 | - | -1.29 | -4.018 | |
| | | | | 9 | -5.499 | -5.228 | -2.351 | - | -1.29 | -3.641 | |
| | | | | 17 | -6.130 | -5.715 | -2.907 | - | -1.29 | -4.197 | |
| | | | SU | - | -5.926 | -4.414 | -2.094 | - | -1.29 | -3.384 | |
| | 179 | 6845 | 26T | 0 | -5.373 | -6.369 | -2.832 | - | -1.29 | -4.122 | |
| | | | | 9 | -5.005 | -5.759 | -2.355 | - | -1.29 | -3.645 | |
| | | | | 17 | -5.770 | -6.343 | -3.037 | - | -1.29 | -4.327 | |
| | | | SU | - | -5.139 | -5.176 | -2.147 | - | -1.29 | -3.437 | |
| UNII-8 | 187 | 6885 | 26T | 0 | -5.448 | -6.310 | -2.847 | - | -2.39 | -5.237 | |
| | | | | 9 | -5.015 | -5.712 | -2.339 | - | -2.39 | -4.729 | |
| | | | | 17 | -5.675 | -5.995 | -2.822 | - | -2.39 | -5.212 | |
| | | | SU | - | -5.144 | -5.227 | -2.175 | - | -2.39 | -4.565 | |
| | 203 | 6965 | 26T | 0 | -6.279 | -5.673 | -2.955 | - | -2.39 | -5.345 | |
| | | | | 9 | -5.694 | -5.215 | -2.438 | - | -2.39 | -4.828 | |
| | | | | 17 | -6.249 | -5.620 | -2.913 | - | -2.39 | -5.303 | |
| | | | SU | - | -5.527 | -4.318 | -1.870 | - | -2.39 | -4.260 | |
| | 227 | 7085 | 26T | 0 | -6.771 | -5.556 | -3.111 | - | -2.39 | -5.501 | |
| | | | | 9 | -5.981 | -4.879 | -2.385 | - | -2.39 | -4.775 | |
| | | | | 17 | -6.474 | -5.520 | -2.961 | - | -2.39 | -5.351 | |
| | | | SU | - | -4.864 | -5.696 | -2.250 | - | -2.39 | -4.640 | |

* Corr'd PSD e.i.r.p = ANT1 Meas PSD + Ant2 Meas PSD + DCCF + Directional Gain

-1.00

10.1.4. 802.11ax HE80 MODE

Output Power Results

| Band | Channel | Freq. [MHz] | Tones | RU offset | Average Power [dBm] | | | Direct. Gain [dBi] | Corr'd e.i.r.p [dBm] | Max e.i.r.p Limit [dBm] | |
|--------|---------|----------------|-------|--------------|---------------------|-------|-------|--------------------------|----------------------------|----------------------------------|--|
| | | | | | ANT1 | ANT2 | MIMO | | | | |
| UNII-5 | 7 | 5985 | 26T | 0 | -3.48 | -2.54 | 0.03 | -0.18 | -0.15 | 24.00 | |
| | | | | 18 | -3.10 | -2.41 | 0.27 | -0.18 | 0.09 | | |
| | | | | 36 | -3.39 | -3.14 | -0.25 | -0.18 | -0.43 | | |
| | | | | 37 | -0.19 | 0.57 | 3.22 | -0.18 | 3.04 | | |
| | | | | 45 | 0.15 | 0.65 | 3.42 | -0.18 | 3.24 | | |
| | | | | 52 | -0.17 | 0.01 | 2.93 | -0.18 | 2.75 | | |
| | | | | 53 | 2.13 | 1.38 | 4.78 | -0.18 | 4.60 | | |
| | | | | 57 | 2.71 | 1.53 | 5.17 | -0.18 | 4.99 | | |
| | | | | 60 | 2.52 | 1.50 | 5.05 | -0.18 | 4.87 | | |
| | 39 | 6145 | | 61 | 6.34 | 6.44 | 9.40 | -0.18 | 9.22 | | |
| | | | | 62 | 6.59 | 6.68 | 9.65 | -0.18 | 9.47 | | |
| | | | | 64 | 6.65 | 6.53 | 9.60 | -0.18 | 9.42 | | |
| | | | | 65 | 9.73 | 9.50 | 12.63 | -0.18 | 12.45 | | |
| | | | | 66 | 9.94 | 9.57 | 12.77 | -0.18 | 12.59 | | |
| | | | | SU | - | 9.34 | 9.06 | 12.21 | -0.18 | 12.03 | |
| | | | | 0 | -3.82 | -2.52 | -0.11 | -0.18 | -0.29 | | |
| | | | | 18 | -3.35 | -2.61 | 0.05 | -0.18 | -0.13 | | |
| | | | | 36 | -3.58 | -3.40 | -0.48 | -0.18 | -0.66 | | |
| | 87 | 6385 | | 37 | -0.59 | 0.56 | 3.03 | -0.18 | 2.85 | | |
| | | | | 45 | -0.09 | 0.40 | 3.17 | -0.18 | 2.99 | | |
| | | | | 52 | -0.32 | -0.31 | 2.70 | -0.18 | 2.52 | | |
| | | | | 53 | 3.38 | 3.76 | 6.58 | -0.18 | 6.40 | | |
| | | | | 57 | 3.77 | 3.99 | 6.89 | -0.18 | 6.71 | | |
| | | | | 60 | 3.74 | 3.57 | 6.67 | -0.18 | 6.49 | | |
| | | | | 61 | 5.86 | 6.26 | 9.07 | -0.18 | 8.89 | | |
| | | | | 62 | 6.13 | 6.37 | 9.26 | -0.18 | 9.08 | | |
| | | | | 64 | 6.18 | 6.07 | 9.14 | -0.18 | 8.96 | | |
| | | | | 65 | 8.83 | 9.29 | 12.08 | -0.18 | 11.90 | | |
| | | | | 66 | 9.04 | 9.15 | 12.11 | -0.18 | 11.93 | | |
| | | | | SU | - | 8.44 | 8.76 | 11.61 | -0.18 | 11.43 | |

* Calculation of Output Power : Average Power = Meas Power + Duty CF[dB]

Corr'd e.i.r.p = Ant1 Average Power + Ant2 Average Power + Directional Gain

| Band | Channel | Freq. [MHz] | Tones | RU offset | Average Power [dBm] | | | Direct. Gain [dBi] | Corr'd e.i.r.p [dBm] | Max e.i.r.p Limit [dBm] |
|--------|---------|----------------|-------|--------------|---------------------|-------|-------|--------------------------|----------------------------|----------------------------------|
| | | | | | ANT1 | ANT2 | MIMO | | | |
| UNII-6 | 103 | 6465 | 26T | 0 | -3.12 | -3.13 | -0.11 | -1.24 | -1.35 | 24.00 |
| | | | | 18 | -2.83 | -2.99 | 0.10 | -1.24 | -1.14 | |
| | | | | 36 | -3.35 | -3.41 | -0.37 | -1.24 | -1.61 | |
| | | | 52T | 37 | 0.13 | -0.09 | 3.03 | -1.24 | 1.79 | |
| | | | | 45 | 0.29 | 0.04 | 3.18 | -1.24 | 1.94 | |
| | | | | 52 | -0.18 | -0.35 | 2.75 | -1.24 | 1.51 | |
| | | | 106T | 53 | 4.23 | 3.38 | 6.84 | -1.24 | 5.60 | |
| | | | | 57 | 4.19 | 3.28 | 6.77 | -1.24 | 5.53 | |
| | | | | 60 | 3.64 | 2.78 | 6.24 | -1.24 | 5.00 | |
| | | | 242T | 61 | 6.76 | 5.73 | 9.29 | -1.24 | 8.05 | |
| | | | | 62 | 6.77 | 5.73 | 9.29 | -1.24 | 8.05 | |
| | | | | 64 | 6.33 | 5.21 | 8.82 | -1.24 | 7.58 | |
| | | | 484T | 65 | 9.68 | 8.69 | 12.22 | -1.24 | 10.98 | |
| | | | | 66 | 9.36 | 8.36 | 11.90 | -1.24 | 10.66 | |
| | | | SU | - | 9.00 | 8.05 | 11.56 | -1.24 | 10.32 | |

* Calculation of Output Power : Average Power = Meas Power + Duty CF[dB]
 Corr'd e.i.r.p = Ant1 Average Power + Ant2 Average Power + Directional Gain

| Band | Channel | Freq. [MHz] | Tones | RU offset | Average Power [dBm] | | | Direct. Gain [dBi] | Corr'd e.i.r.p [dBm] | Max e.i.r.p Limit [dBm] |
|--------|---------|----------------|-------|--------------|---------------------|-------|-------|--------------------------|----------------------------|----------------------------------|
| | | | | | ANT1 | ANT2 | MIMO | | | |
| UNII-7 | 119 | 6545 | 26T | 0 | -3.08 | -3.75 | -0.39 | -1.29 | -1.68 | |
| | | | | 18 | -2.89 | -3.21 | -0.04 | -1.29 | -1.33 | |
| | | | | 36 | -3.37 | -3.47 | -0.41 | -1.29 | -1.70 | |
| | | | 52T | 37 | 0.20 | 0.66 | 3.45 | -1.29 | 2.16 | |
| | | | | 45 | -0.59 | -0.02 | 2.71 | -1.29 | 1.42 | |
| | | | | 52 | -1.06 | -0.37 | 2.31 | -1.29 | 1.02 | |
| | | | 106T | 53 | 3.82 | 3.47 | 6.66 | -1.29 | 5.37 | |
| | | | | 57 | 3.78 | 3.46 | 6.63 | -1.29 | 5.34 | |
| | | | | 60 | 3.35 | 3.02 | 6.20 | -1.29 | 4.91 | |
| | | | 242T | 61 | 6.69 | 6.32 | 9.52 | -1.29 | 8.23 | |
| | | | | 62 | 6.69 | 6.37 | 9.54 | -1.29 | 8.25 | |
| | | | | 64 | 6.17 | 5.93 | 9.06 | -1.29 | 7.77 | |
| | | | 484T | 65 | 9.64 | 9.48 | 12.57 | -1.29 | 11.28 | |
| | | | | 66 | 9.27 | 9.20 | 12.25 | -1.29 | 10.96 | |
| | | | SU | - | 8.92 | 8.85 | 11.90 | -1.29 | 10.61 | |
| UNII-7 | 151 | 6705 | 26T | 0 | -3.32 | -2.88 | -0.08 | -1.29 | -1.37 | |
| | | | | 18 | -3.36 | -2.82 | -0.07 | -1.29 | -1.36 | |
| | | | | 36 | -4.15 | -3.26 | -0.67 | -1.29 | -1.96 | |
| | | | 52T | 37 | -0.16 | 0.30 | 3.09 | -1.29 | 1.80 | |
| | | | | 45 | -0.29 | 0.32 | 3.04 | -1.29 | 1.75 | |
| | | | | 52 | -0.98 | -0.13 | 2.48 | -1.29 | 1.19 | |
| | | | 106T | 53 | 3.08 | 4.71 | 6.98 | -1.29 | 5.69 | |
| | | | | 57 | 2.82 | 4.53 | 6.77 | -1.29 | 5.48 | |
| | | | | 60 | 2.21 | 3.97 | 6.19 | -1.29 | 4.90 | |
| | | | 242T | 61 | 5.06 | 6.82 | 9.04 | -1.29 | 7.75 | |
| | | | | 62 | 5.02 | 6.77 | 8.99 | -1.29 | 7.70 | |
| | | | | 64 | 4.86 | 6.80 | 8.95 | -1.29 | 7.66 | |
| | | | 484T | 65 | 7.95 | 9.59 | 11.86 | -1.29 | 10.57 | |
| | | | | 66 | 7.96 | 9.69 | 11.92 | -1.29 | 10.63 | |
| | | | SU | - | 8.19 | 9.92 | 12.15 | -1.29 | 10.86 | |
| UNII-7 | 183 | 6865 | 26T | 0 | -2.93 | -3.85 | -0.36 | -1.29 | -1.65 | |
| | | | | 18 | -2.91 | -3.24 | -0.06 | -1.29 | -1.35 | |
| | | | | 36 | -3.53 | -3.45 | -0.48 | -1.29 | -1.77 | |
| | | | 52T | 37 | 0.22 | 0.18 | 3.21 | -1.29 | 1.92 | |
| | | | | 45 | 0.22 | 0.63 | 3.44 | -1.29 | 2.15 | |
| | | | | 52 | -0.39 | 0.36 | 3.01 | -1.29 | 1.72 | |
| | | | 106T | 53 | 3.04 | 3.24 | 6.15 | -1.29 | 4.86 | |
| | | | | 57 | 2.92 | 3.28 | 6.11 | -1.29 | 4.82 | |
| | | | | 60 | 2.31 | 2.73 | 5.54 | -1.29 | 4.25 | |
| | | | 242T | 61 | 5.91 | 6.09 | 9.01 | -1.29 | 7.72 | |
| | | | | 62 | 5.91 | 6.12 | 9.03 | -1.29 | 7.74 | |
| | | | | 64 | 5.35 | 5.65 | 8.51 | -1.29 | 7.22 | |
| | | | 484T | 65 | 8.83 | 8.91 | 11.88 | -1.29 | 10.59 | |
| | | | | 66 | 8.46 | 8.64 | 11.56 | -1.29 | 10.27 | |
| | | | SU | - | 8.10 | 8.26 | 11.19 | -1.29 | 9.90 | |

* Calculation of Output Power : Average Power = Meas Power + Duty CF[dB]

Corr'd e.i.r.p = Ant1 Average Power + Ant2 Average Power + Directional Gain

24.00

| Band | Channel | Freq. [MHz] | Tones | RU offset | Average Power [dBm] | | | Direct. Gain [dBi] | Corr'd e.i.r.p [dBm] | Max e.i.r.p Limit [dBm] |
|--------|---------|----------------|-------|--------------|---------------------|-------|-------|--------------------------|----------------------------|----------------------------------|
| | | | | | ANT1 | ANT2 | MIMO | | | |
| UNII-8 | 199 | 6945 | 26T | 0 | -2.87 | -3.10 | 0.03 | -2.39 | -2.36 | 24.00 |
| | | | | 18 | -2.82 | -2.65 | 0.28 | -2.39 | -2.11 | |
| | | | | 36 | -3.36 | -2.78 | -0.05 | -2.39 | -2.44 | |
| | | | 52T | 37 | 0.21 | -0.13 | 3.05 | -2.39 | 0.66 | |
| | | | | 45 | 0.17 | 0.37 | 3.28 | -2.39 | 0.89 | |
| | | | | 52 | -0.36 | 0.19 | 2.93 | -2.39 | 0.54 | |
| | | | 106T | 53 | 2.81 | 3.98 | 6.44 | -2.39 | 4.05 | |
| | | | | 57 | 2.69 | 3.99 | 6.40 | -2.39 | 4.01 | |
| | | | | 60 | 2.14 | 3.50 | 5.88 | -2.39 | 3.49 | |
| | 215 | 7025 | 242T | 61 | 5.38 | 6.73 | 9.12 | -2.39 | 6.73 | |
| | | | | 62 | 5.34 | 6.71 | 9.09 | -2.39 | 6.70 | |
| | | | | 64 | 4.82 | 6.24 | 8.60 | -2.39 | 6.21 | |
| | | | 484T | 65 | 8.43 | 9.57 | 12.05 | -2.39 | 9.66 | |
| | | | | 66 | 8.03 | 9.23 | 11.68 | -2.39 | 9.29 | |
| | | | SU | - | 8.11 | 9.31 | 11.76 | -2.39 | 9.37 | |
| | | | 26T | 0 | -3.62 | -2.54 | -0.04 | -2.39 | -2.43 | |
| | | | | 18 | -3.24 | -2.55 | 0.13 | -2.39 | -2.26 | |
| | | | | 36 | -3.44 | -2.47 | 0.08 | -2.39 | -2.31 | |
| | | | 52T | 37 | 0.17 | 0.44 | 3.32 | -2.39 | 0.93 | |
| | | | | 45 | -0.61 | 0.12 | 2.78 | -2.39 | 0.39 | |
| | | | | 52 | -0.81 | 0.14 | 2.70 | -2.39 | 0.31 | |
| | | | 106T | 53 | 3.92 | 2.49 | 6.27 | -2.39 | 3.88 | |
| | | | | 57 | 3.94 | 2.58 | 6.32 | -2.39 | 3.93 | |
| | | | | 60 | 3.61 | 2.16 | 5.96 | -2.39 | 3.57 | |
| | | | 242T | 61 | 6.97 | 5.56 | 9.33 | -2.39 | 6.94 | |
| | | | | 62 | 6.99 | 5.61 | 9.36 | -2.39 | 6.97 | |
| | | | | 64 | 6.67 | 5.28 | 9.04 | -2.39 | 6.65 | |
| | | | 484T | 65 | 9.94 | 8.13 | 12.14 | -2.39 | 9.75 | |
| | | | | 66 | 9.73 | 7.95 | 11.94 | -2.39 | 9.55 | |
| | | | SU | - | 9.79 | 8.13 | 12.05 | -2.39 | 9.66 | |

* Calculation of Output Power : Average Power = Meas Power + Duty CF[dB]

Corr'd e.i.r.p = Ant1 Average Power + Ant2 Average Power + Directional Gain

PSD Results

| Band | Channel | Freq. [MHz] | Tones | RU offset | Meas PSD [dBm/MHz] | | | DCCF | Direct. Gain [dBi] | Corr'd PSD e.i.r.p [dBm] | PSD e.i.r.p Limit [dBm/MHz] |
|--------|---------|----------------|-------|--------------|--------------------|--------|--------|------|--------------------------|-----------------------------------|--------------------------------------|
| | | | | | ANT1 | ANT2 | MIMO | | | | |
| UNII-5 | 7 | 5985 | 26T | 0 | -6.058 | -5.269 | -2.635 | - | -0.18 | -2.815 | |
| | | | | 18 | -7.123 | -6.086 | -3.563 | - | -0.18 | -3.743 | |
| | | | | 36 | -6.325 | -6.046 | -3.173 | - | -0.18 | -3.353 | |
| | | | SU | - | -7.897 | -7.964 | -4.920 | - | -0.18 | -5.100 | |
| | 39 | 6145 | 26T | 0 | -6.589 | -5.274 | -2.872 | - | -0.18 | -3.052 | |
| | | | | 18 | -7.368 | -6.372 | -3.831 | - | -0.18 | -4.011 | |
| | | | | 36 | -6.430 | -5.958 | -3.177 | - | -0.18 | -3.357 | |
| | | | SU | - | -8.843 | -8.315 | -5.561 | - | -0.18 | -5.741 | |
| | 87 | 6385 | 26T | 0 | -5.292 | -7.100 | -3.092 | - | -0.18 | -3.272 | |
| | | | | 18 | -6.159 | -7.991 | -3.969 | - | -0.18 | -4.149 | |
| | | | | 36 | -5.863 | -7.276 | -3.502 | - | -0.18 | -3.682 | |
| | | | SU | - | -7.235 | -9.624 | -5.257 | - | -0.18 | -5.437 | |
| UNII-6 | 103 | 6465 | 26T | 0 | -6.006 | -6.074 | -3.030 | - | -1.24 | -4.270 | |
| | | | | 18 | -6.451 | -6.786 | -3.605 | - | -1.24 | -4.845 | |
| | | | | 36 | -6.019 | -5.925 | -2.961 | - | -1.24 | -4.201 | |
| | | | SU | - | -8.121 | -8.843 | -5.457 | - | -1.24 | -6.697 | |
| UNII-7 | 119 | 6545 | 26T | 0 | -5.986 | -6.194 | -3.078 | - | -1.29 | -4.368 | |
| | | | | 18 | -6.550 | -6.556 | -3.543 | - | -1.29 | -4.833 | |
| | | | | 36 | -6.050 | -5.938 | -2.983 | - | -1.29 | -4.273 | |
| | | | SU | - | -8.091 | -8.200 | -5.135 | - | -1.29 | -6.425 | |
| | 151 | 6705 | 26T | 0 | -5.846 | -5.611 | -2.717 | - | -1.29 | -4.007 | |
| | | | | 18 | -6.904 | -6.268 | -3.564 | - | -1.29 | -4.854 | |
| | | | | 36 | -6.445 | -6.189 | -3.305 | - | -1.29 | -4.595 | |
| | | | SU | - | -8.780 | -6.962 | -4.766 | - | -1.29 | -6.056 | |
| | 183 | 6865 | 26T | 0 | -5.283 | -6.242 | -2.726 | - | -1.29 | -4.016 | |
| | | | | 18 | -6.134 | -6.367 | -3.239 | - | -1.29 | -4.529 | |
| | | | | 36 | -5.967 | -5.228 | -2.572 | - | -1.29 | -3.862 | |
| | | | SU | - | -8.818 | -8.559 | -5.676 | - | -1.29 | -6.966 | |
| UNII-8 | 199 | 6945 | 26T | 0 | -4.899 | -5.474 | -2.167 | - | -2.39 | -4.557 | |
| | | | | 18 | -6.411 | -6.684 | -3.535 | - | -2.39 | -5.925 | |
| | | | | 36 | -6.229 | -5.684 | -2.938 | - | -2.39 | -5.328 | |
| | 215 | 7025 | 26T | SU | -8.892 | -7.675 | -5.231 | - | -2.39 | -7.621 | |
| | | | | 0 | -6.102 | -5.377 | -2.714 | - | -2.39 | -5.104 | |
| | | | | 18 | -6.216 | -6.071 | -3.133 | - | -2.39 | -5.523 | |
| | | | | 36 | -6.195 | -5.161 | -2.637 | - | -2.39 | -5.027 | |
| | | | SU | - | -7.349 | -8.607 | -4.922 | - | -2.39 | -7.312 | |

* Corr'd PSD e.i.r.p = ANT1 Meas PSD + Ant2 Meas PSD + DCCF + Directional Gain

-1.00

10.1.5. 802.11ax HE160 MODE

Output Power Results

| Band | Channel | Freq. [MHz] | Tones | RU offset | Average Power [dBm] | | | Direct. Gain [dBi] | Corr'd e.i.r.p [dBm] | Max e.i.r.p Limit [dBm] | |
|--------|---------|----------------|-------|--------------|---------------------|-------|-------|--------------------------|----------------------------|-------------------------------|--|
| | | | | | ANT1 | ANT2 | MIMO | | | | |
| UNII-5 | 15 | 6025 | 26T | 0L | -4.36 | -2.49 | -0.31 | -0.18 | -0.49 | | |
| | | | | 0U | -3.67 | -2.49 | -0.03 | -0.18 | -0.21 | | |
| | | | | 36U | -3.89 | -3.59 | -0.73 | -0.18 | -0.91 | | |
| | | | | 37L | -1.20 | 0.81 | 2.93 | -0.18 | 2.75 | | |
| | | | | 37U | -0.51 | 0.77 | 3.19 | -0.18 | 3.01 | | |
| | | | | 52U | -0.79 | -0.28 | 2.48 | -0.18 | 2.30 | | |
| | | | | 53L | 1.88 | 1.69 | 4.80 | -0.18 | 4.62 | | |
| | | | | 53U | 2.87 | 2.28 | 5.60 | -0.18 | 5.42 | | |
| | | | | 60U | 2.88 | 1.94 | 5.45 | -0.18 | 5.27 | | |
| | | | | 61L | 5.57 | 5.58 | 8.59 | -0.18 | 8.41 | | |
| | | | | 61U | 6.46 | 6.07 | 9.28 | -0.18 | 9.10 | | |
| | | | | 64U | 6.51 | 5.85 | 9.20 | -0.18 | 9.02 | | |
| | | | | 65L | 8.47 | 8.56 | 11.53 | -0.18 | 11.35 | | |
| | | | | 66L | 9.25 | 8.95 | 12.11 | -0.18 | 11.93 | | |
| | | | | 66U | 9.32 | 8.79 | 12.07 | -0.18 | 11.89 | | |
| | | | | 996T | 67L | 8.69 | 8.63 | 11.67 | -0.18 | 11.49 | |
| | | | | 67U | 9.23 | 8.81 | 12.04 | -0.18 | 11.86 | | |
| | | | | SU | - | 9.11 | 8.93 | 12.03 | -0.18 | 11.85 | |
| UNII-5 | 47 | 6185 | 26T | 0L | -3.90 | -2.59 | -0.19 | -0.18 | -0.37 | | |
| | | | | 0U | -3.09 | -3.01 | -0.04 | -0.18 | -0.22 | | |
| | | | | 36U | -3.33 | -4.21 | -0.74 | -0.18 | -0.92 | | |
| | | | | 37L | -0.69 | 0.48 | 2.94 | -0.18 | 2.76 | | |
| | | | | 37U | 0.10 | 0.09 | 3.11 | -0.18 | 2.93 | | |
| | | | | 52U | -0.12 | -1.12 | 2.42 | -0.18 | 2.24 | | |
| | | | | 53L | 3.04 | 3.51 | 6.29 | -0.18 | 6.11 | | |
| | | | | 53U | 3.85 | 3.67 | 6.77 | -0.18 | 6.59 | | |
| | | | | 60U | 3.74 | 3.07 | 6.43 | -0.18 | 6.25 | | |
| | | | | 61L | 5.53 | 6.07 | 8.82 | -0.18 | 8.64 | | |
| | | | | 61U | 6.32 | 6.13 | 9.24 | -0.18 | 9.06 | | |
| | | | | 64U | 6.27 | 5.53 | 8.93 | -0.18 | 8.75 | | |
| | | | | 65L | 8.58 | 9.12 | 11.87 | -0.18 | 11.69 | | |
| | | | | 66L | 9.19 | 9.01 | 12.11 | -0.18 | 11.93 | | |
| | | | | 66U | 9.15 | 8.61 | 11.90 | -0.18 | 11.72 | | |
| | | | | 996T | 67L | 8.69 | 9.11 | 11.92 | -0.18 | 11.74 | |
| | | | | 67U | 9.13 | 8.77 | 11.96 | -0.18 | 11.78 | | |
| | | | | SU | - | 9.05 | 9.15 | 12.11 | -0.18 | 11.93 | |
| UNII-5 | 79 | 6345 | 26T | 0L | -2.52 | -4.35 | -0.33 | -0.18 | -0.51 | | |
| | | | | 0U | -2.14 | -3.93 | 0.07 | -0.18 | -0.11 | | |
| | | | | 36U | -2.77 | -4.50 | -0.54 | -0.18 | -0.72 | | |
| | | | | 37L | 0.02 | -0.03 | 3.01 | -0.18 | 2.83 | | |
| | | | | 37U | 0.41 | 0.22 | 3.33 | -0.18 | 3.15 | | |
| | | | | 52U | -0.26 | -0.47 | 2.65 | -0.18 | 2.47 | | |
| | | | | 53L | 2.78 | 1.62 | 5.25 | -0.18 | 5.07 | | |
| | | | | 53U | 3.08 | 1.67 | 5.44 | -0.18 | 5.26 | | |
| | | | | 60U | 2.95 | 1.51 | 5.30 | -0.18 | 5.12 | | |
| | | | | 61L | 6.64 | 4.51 | 8.71 | -0.18 | 8.53 | | |
| | | | | 61U | 6.92 | 4.51 | 8.89 | -0.18 | 8.71 | | |
| | | | | 64U | 6.84 | 4.24 | 8.74 | -0.18 | 8.56 | | |
| | | | | 65L | 9.83 | 7.51 | 11.83 | -0.18 | 11.65 | | |
| | | | | 66L | 9.94 | 7.33 | 11.84 | -0.18 | 11.66 | | |
| | | | | 66U | 9.57 | 6.90 | 11.45 | -0.18 | 11.27 | | |
| | | | | 996T | 67L | 9.90 | 7.45 | 11.86 | -0.18 | 11.68 | |
| | | | | 67U | 9.72 | 7.07 | 11.60 | -0.18 | 11.42 | | |
| | | | | SU | - | 9.87 | 8.01 | 12.05 | -0.18 | 11.87 | |

24.00

* Calculation of Output Power : Average Power = Meas Power + Duty CF[dB]

Corr'd e.i.r.p = Ant1 Average Power + Ant2 Average Power + Directional Gain

* HE160 = HE80L + HE80U

| Band | Channel | Freq. [MHz] | Tones | RU offset | Average Power [dBm] | | | Direct. Gain [dBi] | Corr'd e.i.r.p [dBm] | Max e.i.r.p Limit [dBm] |
|--------|---------|----------------|-------|--------------|---------------------|-------|-------|--------------------------|----------------------------|-------------------------------|
| | | | | | ANT1 | ANT2 | MIMO | | | |
| UNII-6 | 111 | 6505 | 26T | 0L | -2.73 | -3.52 | -0.10 | -1.24 | -1.34 | 24.00 |
| | | | | 0U | -2.50 | -3.03 | 0.25 | -1.24 | -0.99 | |
| | | | | 36U | -3.22 | -3.34 | -0.27 | -1.24 | -1.51 | |
| | | | 52T | 37L | -0.49 | -0.01 | 2.77 | -1.24 | 1.53 | |
| | | | | 37U | -0.24 | 0.25 | 3.02 | -1.24 | 1.78 | |
| | | | | 52U | -0.97 | -0.15 | 2.74 | -1.24 | 1.50 | |
| | | | 106T | 53L | 3.97 | 3.55 | 6.78 | -1.24 | 5.54 | |
| | | | | 53U | 3.81 | 3.44 | 6.64 | -1.24 | 5.40 | |
| | | | | 60U | 2.90 | 2.73 | 5.83 | -1.24 | 4.59 | |
| | | | 242T | 61L | 6.87 | 6.56 | 9.73 | -1.24 | 8.49 | |
| | | | | 61U | 6.60 | 6.25 | 9.44 | -1.24 | 8.20 | |
| | | | | 64U | 5.77 | 5.59 | 8.69 | -1.24 | 7.45 | |
| | | | 484T | 65L | 9.28 | 9.12 | 12.21 | -1.24 | 10.97 | |
| | | | | 66L | 8.85 | 8.71 | 11.79 | -1.24 | 10.55 | |
| | | | | 66U | 8.27 | 8.29 | 11.29 | -1.24 | 10.05 | |
| | | | 996T | 67L | 9.18 | 9.04 | 12.12 | -1.24 | 10.88 | |
| | | | | 67U | 8.55 | 8.51 | 11.54 | -1.24 | 10.30 | |
| | | | SU | - | 8.99 | 8.92 | 11.97 | -1.24 | 10.73 | |

* Calculation of Output Power : Average Power = Meas Power + Duty CF[dB]

Corr'd e.i.r.p = Ant1 Average Power + Ant2 Average Power + Directional Gain

* HE160 = HE80L + HE80U

| Band | Channel | Freq. [MHz] | Tones | RU offset | Average Power [dBm] | | | Direct. Gain [dBi] | Corr'd e.i.r.p [dBm] | Max e.i.r.p Limit [dBm] |
|--------|---------|----------------|-------|--------------|---------------------|-------|-------|--------------------------|----------------------------|-------------------------------|
| | | | | | ANT1 | ANT2 | MIMO | | | |
| UNII-7 | 143 | 6665 | 26T | 0L | -2.25 | -3.92 | 0.01 | -1.29 | -1.28 | 24.00 |
| | | | | 0U | -2.18 | -3.56 | 0.19 | -1.29 | -1.10 | |
| | | | | 36U | -3.48 | -4.35 | -0.88 | -1.29 | -2.17 | |
| | | | 52T | 37L | 0.83 | 0.50 | 3.68 | -1.29 | 2.39 | |
| | | | | 37U | 0.83 | 0.64 | 3.75 | -1.29 | 2.46 | |
| | | | | 52U | -0.42 | -0.15 | 2.73 | -1.29 | 1.44 | |
| | | | 106T | 53L | 3.17 | 4.15 | 6.70 | -1.29 | 5.41 | |
| | | | | 53U | 2.81 | 3.81 | 6.35 | -1.29 | 5.06 | |
| | | | | 60U | 1.56 | 2.85 | 5.26 | -1.29 | 3.97 | |
| | | | 242T | 61L | 5.93 | 6.66 | 9.32 | -1.29 | 8.03 | |
| | | | | 61U | 5.42 | 6.16 | 8.82 | -1.29 | 7.53 | |
| | | | | 64U | 4.95 | 5.82 | 8.42 | -1.29 | 7.13 | |
| | | | 484T | 65L | 8.73 | 9.81 | 12.31 | -1.29 | 11.02 | |
| | | | | 66L | 8.06 | 9.16 | 11.66 | -1.29 | 10.37 | |
| | | | | 66U | 7.43 | 8.56 | 11.04 | -1.29 | 9.75 | |
| | | | 996T | 67L | 8.62 | 9.70 | 12.20 | -1.29 | 10.91 | |
| | | | | 67U | 7.75 | 8.50 | 11.15 | -1.29 | 9.86 | |
| | | | SU | - | 8.31 | 9.45 | 11.93 | -1.29 | 10.64 | |
| | | | 175 | 26T | 0L | -2.16 | -4.07 | 0.00 | -1.29 | -1.29 |
| | | | | | 0U | -2.32 | -3.21 | 0.27 | -1.29 | -1.02 |
| | | | | | 36U | -3.41 | -3.42 | -0.40 | -1.29 | -1.69 |
| | | | | 52T | 37L | 0.96 | -0.03 | 3.50 | -1.29 | 2.21 |
| | | | | | 37U | 0.69 | 0.79 | 3.75 | -1.29 | 2.46 |
| | | | | | 52U | -0.30 | 0.57 | 3.17 | -1.29 | 1.88 |
| | | | | 106T | 53L | 3.80 | 3.62 | 6.72 | -1.29 | 5.43 |
| | | | | | 53U | 3.50 | 3.58 | 6.55 | -1.29 | 5.26 |
| | | | | | 60U | 2.41 | 2.68 | 5.56 | -1.29 | 4.27 |
| | | | 242T | 61L | 6.96 | 6.52 | 9.76 | -1.29 | 8.47 | |
| | | | | 61U | 6.55 | 6.33 | 9.45 | -1.29 | 8.16 | |
| | | | | 64U | 5.66 | 5.61 | 8.65 | -1.29 | 7.36 | |
| | | | 484T | 65L | 8.94 | 8.28 | 11.63 | -1.29 | 10.34 | |
| | | | | 66L | 8.43 | 8.02 | 11.24 | -1.29 | 9.95 | |
| | | | | 66U | 8.25 | 8.14 | 11.21 | -1.29 | 9.92 | |
| | | | 996T | 67L | 9.34 | 8.85 | 12.11 | -1.29 | 10.82 | |
| | | | | 67U | 8.56 | 8.34 | 11.46 | -1.29 | 10.17 | |
| | | | SU | - | 9.07 | 8.76 | 11.93 | -1.29 | 10.64 | |

* Calculation of Output Power : Average Power = Meas Power + Duty CF[dB]

Corr'd e.i.r.p = Ant1 Average Power + Ant2 Average Power + Directional Gain

* HE160 = HE80L + HE80U

| Band | Channel | Freq. [MHz] | Tones | RU offset | Average Power [dBm] | | | Direct. Gain [dBi] | Corr'd e.i.r.p [dBm] | Max e.i.r.p Limit [dBm] |
|--------|---------|----------------|-------|--------------|---------------------|-------|-------|--------------------------|----------------------------|-------------------------------|
| | | | | | ANT1 | ANT2 | MIMO | | | |
| UNII-8 | 207 | 6985 | 26T | 0L | -2.90 | -3.49 | -0.17 | -2.39 | -2.56 | 24.00 |
| | | | | 0U | -2.99 | -2.52 | 0.26 | -2.39 | -2.13 | |
| | | | | 36U | -3.36 | -2.30 | 0.21 | -2.39 | -2.18 | |
| | | | 52T | 37L | -0.26 | -0.97 | 2.41 | -2.39 | 0.02 | |
| | | | | 37U | -0.29 | -0.04 | 2.85 | -2.39 | 0.46 | |
| | | | | 52U | -0.69 | 0.28 | 2.83 | -2.39 | 0.44 | |
| | | | 106T | 53L | 3.71 | 2.31 | 6.08 | -2.39 | 3.69 | |
| | | | | 53U | 3.49 | 2.14 | 5.88 | -2.39 | 3.49 | |
| | | | | 60U | 3.15 | 2.05 | 5.65 | -2.39 | 3.26 | |
| | | | 242T | 61L | 6.68 | 5.48 | 9.13 | -2.39 | 6.74 | |
| | | | | 61U | 6.87 | 5.66 | 9.32 | -2.39 | 6.93 | |
| | | | | 64U | 6.24 | 5.14 | 8.74 | -2.39 | 6.35 | |
| | | | 484T | 65L | 9.77 | 7.95 | 11.96 | -2.39 | 9.57 | |
| | | | | 66L | 9.33 | 7.56 | 11.54 | -2.39 | 9.15 | |
| | | | | 66U | 9.25 | 7.78 | 11.59 | -2.39 | 9.20 | |
| | | | 996T | 67L | 9.97 | 8.41 | 12.27 | -2.39 | 9.88 | |
| | | | | 67U | 9.44 | 7.93 | 11.76 | -2.39 | 9.37 | |
| | | | SU | - | 9.85 | 8.32 | 12.16 | -2.39 | 9.77 | |

* Calculation of Output Power : Average Power = Meas Power + Duty CF[dB]

Corr'd e.i.r.p = Ant1 Average Power + Ant2 Average Power + Directional Gain

* HE160 = HE80L + HE80U

PSD Results

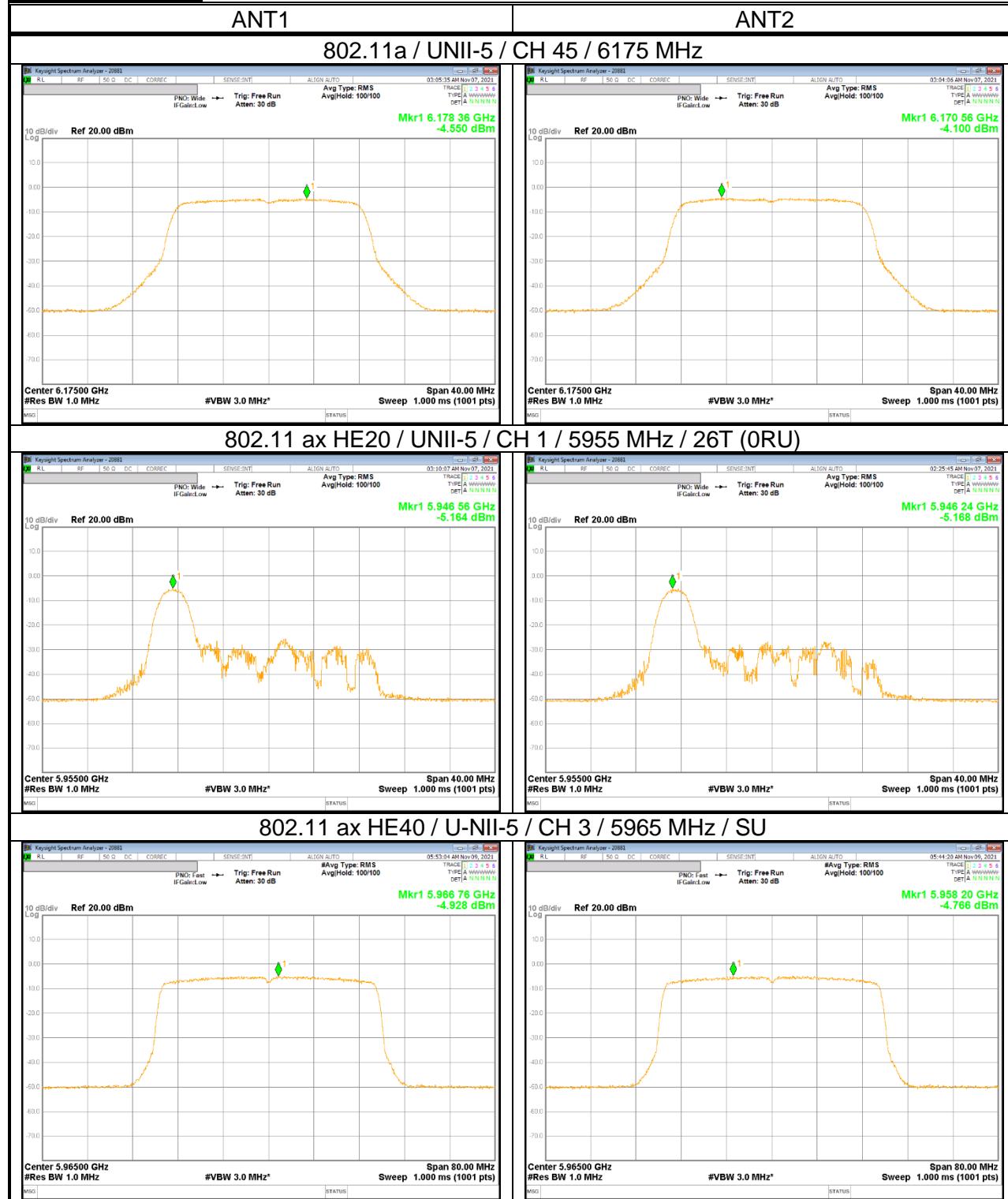
| Band | Channel | Freq. [MHz] | Tones | RU offset | Meas PSD [dBm/MHz] | | | DCCF | Direct. Gain [dBi] | Corr'd PSD e.i.r.p [dBm] | PSD e.i.r.p Limit [dBm/MHz] |
|--------|---------|----------------|-------|--------------|--------------------|---------------|---------------|------|--------------------------|-----------------------------------|--------------------------------------|
| | | | | | ANT1 | ANT2 | MIMO | | | | |
| UNII-5 | 15 | 6025 | 26T | 0L | -6.744 | -5.536 | -3.088 | - | -0.18 | -3.268 | |
| | | | | 0U | -6.357 | -4.974 | -2.600 | - | -0.18 | -2.780 | |
| | | | | 36U | -6.798 | -5.954 | -3.345 | - | -0.18 | -3.525 | |
| | | | SU | - | -11.021 | -11.116 | -8.058 | - | -0.18 | -8.238 | |
| | 47 | 6185 | 26T | 0L | -6.902 | -5.402 | -3.077 | - | -0.18 | -3.257 | |
| | | | | 0U | -5.992 | -5.890 | -2.930 | - | -0.18 | -3.110 | |
| | | | | 36U | -6.514 | -6.959 | -3.721 | - | -0.18 | -3.901 | |
| | | | SU | - | -11.141 | -10.950 | -8.034 | - | -0.18 | -8.214 | |
| | 79 | 6345 | 26T | 0L | -5.723 | -6.860 | -3.244 | - | -0.18 | -3.424 | |
| | | | | 0U | -4.887 | -6.545 | -2.627 | - | -0.18 | -2.807 | |
| | | | | 36U | -5.768 | -7.066 | -3.358 | - | -0.18 | -3.538 | |
| | | | SU | - | -10.244 | -12.276 | -8.132 | - | -0.18 | -8.312 | |
| UNII-6 | 111 | 6505 | 26T | 0L | -5.676 | -5.886 | -2.769 | - | -1.24 | -4.009 | |
| | | | | 0U | -5.153 | -5.547 | -2.335 | - | -1.24 | -3.575 | |
| | | | | 36U | -5.605 | -6.000 | -2.788 | - | -1.24 | -4.028 | |
| | | | SU | - | -10.742 | -10.997 | -7.857 | - | -1.24 | -9.097 | |
| UNII-7 | 143 | 6665 | 26T | 0L | -5.203 | -6.137 | -2.635 | - | -1.29 | -3.925 | |
| | | | | 0U | -4.896 | -5.871 | -2.346 | - | -1.29 | -3.636 | |
| | | | | 36U | -5.874 | -6.685 | -3.250 | - | -1.29 | -4.540 | |
| | | | SU | - | -11.568 | -10.301 | -7.878 | - | -1.29 | -9.168 | |
| | 175 | 6825 | 26T | 0L | -4.796 | -6.849 | -2.692 | - | -1.29 | -3.982 | |
| | | | | 0U | -5.127 | -5.948 | -2.508 | - | -1.29 | -3.798 | |
| | | | | 36U | -6.080 | -5.975 | -3.017 | - | -1.29 | -4.307 | |
| | | | SU | - | -10.650 | -11.187 | -7.900 | - | -1.29 | -9.190 | |
| UNII-8 | 207 | 6985 | 26T | 0L | -5.705 | -6.365 | -3.012 | - | -2.39 | -5.402 | |
| | | | | 0U | -5.801 | -4.997 | -2.370 | - | -2.39 | -4.760 | |
| | | | | 36U | -6.012 | -5.174 | -2.563 | - | -2.39 | -4.953 | |
| | | | SU | - | -10.171 | -11.603 | -7.818 | - | -2.39 | -10.208 | |
| | | | | | | | | | | | -1.00 |

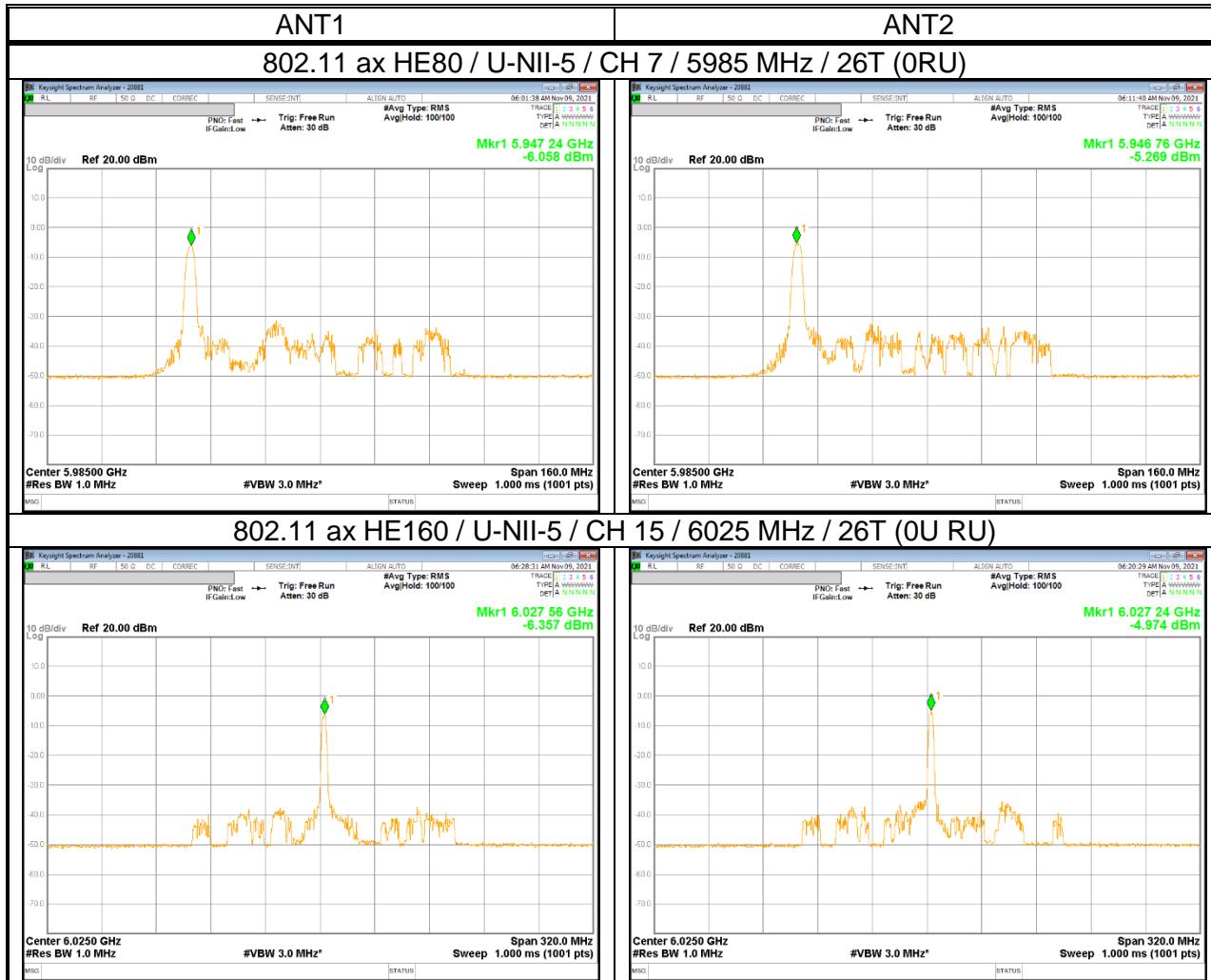
* Corr'd PSD e.i.r.p = ANT1 Meas PSD + Ant2 Meas PSD + DCCF + Directional Gain

* HE160 = HE80L + HE80U

10.1.6. PPSD PLOTS (WORST CASE)

UNII-5 & 6 & 7 & 8





10.2. IN-BAND EMISSIONS

LIMITS

FCC §15.407 (b) (7)

For transmitters operating within the 5.925-7.125 GHz bands: Power spectral density must be suppressed by 20 dB at 1 MHz outside of channel edge, by 28 dB at one channel bandwidth from the channel center, and by 40 dB at one- and one-half times the channel bandwidth away from channel center. At frequencies between one megahertz outside an unlicensed device's channel edge and one channel bandwidth from the center of the channel, the limits must be linearly interpolated between 20 dB and 28 dB suppression, and at frequencies between one and one- and one-half times an unlicensed device's channel bandwidth, the limits must be linearly interpolated between 28 dB and 40 dB suppression. Emissions removed from the channel center by more than one- and one-half times the channel bandwidth must be suppressed by at least 40 dB.

TEST PROCEDURE

KDB 987594 D02

1. Connect output of antenna port to a spectrum analyzer, with appropriate attenuation, as to not damage the instrumentation.
2. Test reference level of the measuring equipment in accordance with procedure 4.1.5.2 of ANSI C63.10-2013.
3. Measure the 26dB EBW using the test procedure 12.4.1 of ANSI C63.10-2013.
4. Measure the PSD (which will be used for emissions mask reference) using the following procedure:
 - a) Set the span to encompass the entire 26 dB EBW of the signal.
 - b) Set RBW = same RBW used for 26 dB EBW measurement.
 - c) Set VBW $\geq 3 \times$ RBW
 - d) Number of points in sweep $\geq [2 \times \text{span} / \text{RBW}]$.
 - e) Sweep time = auto.
 - f) Detector = RMS (i.e., power averaging)
 - g) Trace average at least 100 traces in power averaging (rms) mode.
 - h) Use the peak search function on the instrument to find the peak of the spectrum.
5. For the purposes of developing the emission mask, the channel bandwidth is defined as the 26 dB EBW.
6. Using the measuring equipment limit line function, develop the emissions mask based on the following requirements. The emissions power spectral density must be reduced below the peak power spectral density (in dB) as follows:
 - a) Suppressed by 20 dB at 1 MHz outside of the channel edge. (The channel edge is defined as the 26-dB point on either side of the carrier center frequency.)
 - b) Suppressed by 28 dB at one channel bandwidth from the channel center.
 - c) Suppressed by 40 dB at one- and one-half times the channel bandwidth from the channel center.
7. Adjust the span to encompass the entire mask as necessary.
8. Clear trace.
9. Trace average at least 100 traces in power averaging (rms) mode.
10. Adjust the reference level as necessary so that the crest of the channel touches the top of the emission mask.

10.2.1. 802.11 a MODE

802.11 a / UNII-5



