

# **TEST REPORT**

**Report Number:** 15496278-E10V2

**Applicant :** APPLE INC.  
1 APPLE PARK WAY  
CUPERTINO, CA 95014, U.S.A.

**Model :** A3519, A3520, A3521

**Brand :** APPLE

**FCC ID :** BCG-E8951A, BCG-E8952A, BCG-E8953A

**Test Standard(s) :** FCC 47 CFR PART 15 SUBPART E

**Date Of Issue:**  
2025/08/22

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**REPORT REVISION HISTORY**

| Rev. | Issue<br>Date | Revisions                                                | Revised By         |
|------|---------------|----------------------------------------------------------|--------------------|
| V1   | 2025/08/15    | Initial Review                                           | Everardo H. Torres |
| V2   | 2025/08/22    | Addressed TCB Feedback on<br>sections 1, 2, 6, 9, and 10 | David Collins      |

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## 1. ATTESTATION OF TEST RESULTS

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                  |                                                                                      |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--|
| Applicant Name and Address                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | APPLE INC.<br>1 APPLE PARK WAY<br>CUPERTINO, CA 95014, U.S.A.                                                                                                                    |                                                                                      |  |
| Model                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | A3519, A3520, A3521                                                                                                                                                              |                                                                                      |  |
| Brand                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | APPLE                                                                                                                                                                            |                                                                                      |  |
| FCC ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | BCG-E8951A, BCG-E8952A, BCG-E8953A                                                                                                                                               |                                                                                      |  |
| EUT Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | SMARTPHONE                                                                                                                                                                       |                                                                                      |  |
| Serial Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Radiated – CLQH270396, FM2KF466JK KVMK6P4199, D63949NJRG, FC33C2N6H7<br>Conducted – J6HHCY0009J0000WEZ, J6HHH70009D0000WEZ<br>J6HHH8001AV0000YAU, FC33C2N6H7, J6HHH5000T60000YAU |                                                                                      |  |
| Sample Receipt Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2025-02-28 to 2025-06-24                                                                                                                                                         |                                                                                      |  |
| Date Tested                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2025-04-01 to 2025-08-22                                                                                                                                                         |                                                                                      |  |
| Applicable Standards                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | CFR 47 Part 15 Subpart E                                                                                                                                                         |                                                                                      |  |
| Test Results                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | COMPLIES                                                                                                                                                                         |                                                                                      |  |
| <p>UL Verification Services Inc. tested the above equipment in accordance with the requirements set forth in the above standards. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.</p> <p>The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical components. All samples tested were in good operating condition throughout the entire test program. Measurement Uncertainties are published for informational purposes only and were not taken into account unless noted otherwise.</p> <p>This document may not be altered or revised in any way unless done so by UL Verification Services Inc. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL Verification Services Inc. 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 A2LA, NIST, any agency of the Federal Government, or any agency of the U.S. government.</p> |                                                                                                                                                                                  |                                                                                      |  |
| Approved & Released By:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                  | Prepared & Reviewed By:                                                              |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                  |  |  |
| Richard Lee<br>Staff Engineer<br>UL Verification Services Inc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                  | Everardo Torres<br>Senior Test Engineer<br>UL Verification Services Inc.             |  |

## 2. TEST RESULT SUMMARY

This report contains data provided by the customer which can impact the validity of results. UL Verification Services Inc. is only responsible for the validity of results after the integration of the data provided by the customer.

Below is a list of the data provided by the customer:

1. Antenna gain and type (see section 6.2)
2. Cable loss (see section 6.2)

| FCC Clause                 | Requirement                  | Result                  | Comment                                  |
|----------------------------|------------------------------|-------------------------|------------------------------------------|
| See Comment                | Duty Cycle                   | Reporting purposes only | Per ANSI C63.10, Section 12.2.           |
| See Comment                | 26dB BW/99% OBW              | Reporting purposes only | Per ANSI C63.10 Sections 6.9.2 and 6.9.3 |
| 15.407 (e)                 | 6 dB BW                      | Complies                | Per ANSI C63.10, Section 12.5.1          |
| 15.407 (a) (1-4), (h) (1)  | Output Power                 | Complies                | Per ANSI C63.10, Section 12.4.3.2        |
| 15.407 (a) (1-3, 5)        | PSD                          | Complies                | Per ANSI C63.10, Section 12.6            |
| 15.209, 15.205, 15.407 (b) | Radiated Emissions           | Complies                | Per ANSI C63.10, Section 12.7            |
| 15.207                     | AC Mains Conducted Emissions | Complies                | None.                                    |

### 3. TEST METHODOLOGY

The tests documented in this report were performed in accordance with:

- FCC CFR 47 Part 2
- FCC CFR 47 Part 15
- FCC KDB 662911 D01 v02r01
- FCC KDB 789033 D02 v02r01
- FCC KDB 484596 D01
- \*ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024
- KDB 414788 D01 Radiated Test Site v01r01

\*Note: The use of ANSI C63.10-2020 + Cor. 1-2023 + C63.10a-2024 does not deviate from the testing procedures of ANSI C63.10-2020.

### 4. FACILITIES AND ACCREDITATION

UL Verification Services Inc. is accredited by A2LA, certification #0751.05, for all testing performed within the scope of this report. Testing was performed at the locations noted below.

|                                     | Address                                                  | ISED<br>CABID | ISED<br>Company<br>Number | FCC<br>Registration |
|-------------------------------------|----------------------------------------------------------|---------------|---------------------------|---------------------|
| <input type="checkbox"/>            | Building 1: 47173 Benicia Street, Fremont, CA 94538, USA | US0104        | 2324A                     | 550739              |
| <input checked="" type="checkbox"/> | Building 2: 47266 Benicia Street, Fremont, CA 94538, USA |               |                           |                     |
| <input checked="" type="checkbox"/> | Building 3: 843 Auburn Court, Fremont, CA 94538 USA      |               |                           |                     |
| <input checked="" type="checkbox"/> | Building 4: 47658 Kato Rd, Fremont, CA 94538 USA         |               |                           |                     |
| <input checked="" type="checkbox"/> | Building 5: 47670 Kato Rd, Fremont, CA 94538 USA         |               |                           |                     |

## 5. DECISION RULES AND MEASUREMENT UNCERTAINTY

### 5.1. METROLOGICAL TRACEABILITY

All test and measuring equipment utilized to perform the tests documented in this report are calibrated on a regular basis, with a maximum time between calibrations of one year or the manufacturers' recommendation, whichever is less, and where applicable is traceable to recognized national standards.

### 5.2. DECISION RULES

The Decision Rule is based on Simple Acceptance in accordance with ISO Guide 98-4:2012 Clause 8.2. (Measurement uncertainty is not taken into account when stating conformity with a specified requirement.)

### 5.3. MEASUREMENT UNCERTAINTY

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

| PARAMETER                                            | U <sub>LAB</sub>                  |
|------------------------------------------------------|-----------------------------------|
| Conducted Antenna Port Emission Measurement          | 1.940 dB                          |
| Power Spectral Density                               | 2.466 dB                          |
| Time Domain Measurements Using SA                    | 3.39 %                            |
| RF Power Measurement Direct Method Using Power Meter | 0.450 dB (Ave)<br>1.300 dB (Peak) |
| Radio Frequency (Spectrum Analyzer)                  | 141.16 Hz                         |
| Occupied Bandwidth                                   | 1.2%                              |
| Worst Case Conducted Disturbance, 9KHz to 0.15 MHz   | 3.78 dB                           |
| Worst Case Conducted Disturbance, 0.15 to 30 MHz     | 3.40 dB                           |
| Worst Case Radiated Disturbance, 9KHz to 30 MHz      | 2.87 dB                           |
| Worst Case Radiated Disturbance, 30 to 1000 MHz      | 6.01 dB                           |
| Worst Case Radiated Disturbance, 1000 to 18000 MHz   | 4.73 dB                           |
| Worst Case Radiated Disturbance, 18000 to 26000 MHz  | 4.51 dB                           |
| Worst Case Radiated Disturbance, 26000 to 40000 MHz  | 5.29 dB                           |

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

## 5.4. SAMPLE CALCULATION

### **RADIATED EMISSIONS**

Where relevant, the following sample calculation is provided:

Field Strength (dBuV/m) = Measured Voltage (dBuV) + Antenna Factor (dB/m) + Cable Loss (dB) – Preamp Gain (dB)

$36.5 \text{ dBuV} + 18.7 \text{ dB/m} + 0.6 \text{ dB} - 26.9 \text{ dB} = 28.9 \text{ dBuV/m}$

### **MAINS CONDUCTED EMISSIONS**

Where relevant, the following sample calculation is provided:

Final Voltage (dBuV) = Measured Voltage (dBuV) + Cable Loss (dB) + Limiter Factor (dB) + LISN Insertion Loss.

$36.5 \text{ dBuV} + 0 \text{ dB} + 10.1 \text{ dB} + 0 \text{ dB} = 46.6 \text{ dBuV}$

## 6. EQUIPMENT UNDER TEST

### 6.1. EUT DESCRIPTION

The Apple iPhone is a smartphone with cellular GSM, GPRS, EGPRS, WCDMA, LTE, 5G NR1, IEEE 802.11a/b/g/n/ac/ax/be, Bluetooth (BT), Ultra-Wideband (UWB), Global Positioning System (GPS), Near-Field Communication (NFC), Narrow-Band (NB) UNII, 802.15.4, 802.15.4ab-Narrow Band (NB), Wireless Power Transfer (WPT) and Mobile Satellite Service (MSS) technologies. The rechargeable battery is not user accessible.

### 6.2. DESCRIPTION OF AVAILABLE ANTENNAS

Antenna Type is PIFA.

The antennas' gains, as provided by the manufacturer, are as follows:

| Frequency Range (MHz)    | Antenna 6 (dBi) | Antenna 5 (dBi) | Uncorrelated Chains (dBi) | Correlated Chains (dBi) |
|--------------------------|-----------------|-----------------|---------------------------|-------------------------|
| 5150 - 5250<br>UNII - 1  | -1.80           | -4.10           | -2.80                     | 0.14                    |
| 5250 - 5350<br>UNII - 2A | -1.50           | -3.10           | -2.23                     | 0.75                    |
| 5500 - 5700<br>UNII - 2C | -1.00           | -2.40           | -1.64                     | 1.34                    |
| 5725 - 5825<br>UNII 3    | -0.30           | -2.20           | -1.15                     | 1.81                    |

Note: antenna C0 and antenna C1 indicated in power tune-up document pertain to Ant 6 and ANT 5 of this report respectively.

| Frequency Range (MHz)    | Cable Loss     |                |
|--------------------------|----------------|----------------|
|                          | Antenna 6 (dB) | Antenna 5 (dB) |
| 5150 - 5250<br>UNII - 1  | 2.37           | 2.53           |
| 5250 - 5350<br>UNII - 2A | 2.37           | 2.42           |
| 5500 - 5700<br>UNII - 2C | 2.50           | 2.46           |
| 5725 - 5825<br>UNII 3    | 2.52           | 2.55           |

The cables were used for RF antenna port tests that had been offset to the test equipment during testing.

### 6.3. SOFTWARE AND FIRMWARE

The EUT firmware installed during testing was 23A258.

## 6.4. MAXIMUM OUTPUT POWER

The transmitter has a maximum conducted output power as follows:

### 5.2 GHz BAND

| Frequency Range (MHz)    | Mode                           | Output Power (dBm)                 | Output Power (mW) |
|--------------------------|--------------------------------|------------------------------------|-------------------|
| <b>5.2 GHz band, 1TX</b> |                                |                                    |                   |
| 5180-5240                | 802.11a                        | Covered by 802.11n HT20 1TX        |                   |
| 5180-5240                | 802.11n HT20                   | 19.95                              | 98.86             |
| 5190-5230                | 802.11n HT40                   | 19.87                              | 97.05             |
| 5180-5240                | 802.11ac VHT20                 | Covered by 802.11n HT20 1TX        |                   |
| 5190-5230                | 802.11ac VHT40                 | Covered by 802.11n HT40 1TX        |                   |
| 5210                     | 802.11ac VHT80                 | 17.42                              | 55.21             |
| 5250                     | 802.11ac VHT160                | 16.39                              | 43.55             |
| 5180-5240                | 802.11be EHT20 SU              | 19.91                              | 97.95             |
| 5180-5240                | 802.11be EHT20 Partial RU      | 15.14                              | 32.66             |
| 5190-5230                | 802.11be EHT40 SU              | 19.87                              | 97.05             |
| 5190-5230                | 802.11be EHT40 Partial RU      | 19.91                              | 97.95             |
| 5210                     | 802.11be EHT80 SU              | 16.39                              | 43.55             |
| 5210                     | 802.11be EHT80 Partial RU      | 19.94                              | 98.63             |
| 5250                     | 802.11be EHT160 SU             | 15.91                              | 38.99             |
| 5250                     | 802.11be EHT160 Partial RU     | 19.91                              | 97.95             |
| <b>5.2 GHz band, 2TX</b> |                                |                                    |                   |
| 5180-5240                | 802.11n HT20 CDD               | 21.37                              | 137.09            |
| 5180-5240                | 802.11n HT20 SDM/STBC          | Covered by 802.11n HT20 2TX CDD    |                   |
| 5190-5230                | 802.11n HT40 CDD               | 22.44                              | 175.39            |
| 5190-5230                | 802.11n HT40 SDM/STBC          | Covered by 802.11n HT40 2TX CDD    |                   |
| 5180-5240                | 802.11ac VHT20 SDM/STBC/CDD    | Covered by 802.11n HT20 2TX CDD    |                   |
| 5190-5230                | 802.11ac VHT40 SDM/STBC/CDD    | Covered by 802.11n HT40 2TX CDD    |                   |
| 5210                     | 802.11ac VHT80 CDD             | 19.38                              | 86.70             |
| 5210                     | 802.11ac VHT80 SDM/STBC        | Covered by 802.11ac VHT80 2TX CDD  |                   |
| 5250                     | 802.11ac VHT160 CDD            | 18.45                              | 69.98             |
| 5250                     | 802.11ac VHT160 SDM/STBC       | Covered by 802.11ac VHT160 2TX CDD |                   |
| 5180-5240                | 802.11be EHT20 SU CDD          | 21.18                              | 131.22            |
| 5180-5240                | 802.11be EHT20 Partial RU CDD  | 14.83                              | 30.41             |
| 5180-5240                | 802.11be EHT20 SDM             | Covered by 802.11be EHT20 2TX CDD  |                   |
| 5190-5230                | 802.11be EHT40 SU CDD          | 22.41                              | 174.18            |
| 5190-5230                | 802.11be EHT40 Partial RU CDD  | 21.21                              | 132.13            |
| 5190-5230                | 802.11be EHT40 SDM             | Covered by 802.11be EHT40 2TX CDD  |                   |
| 5210                     | 802.11be EHT80 SU CDD          | 18.89                              | 77.45             |
| 5210                     | 802.11be EHT80 Partial RU CDD  | 21.23                              | 132.74            |
| 5210                     | 802.11be EHT80 SDM             | Covered by 802.11be EHT80 2TX CDD  |                   |
| 5250                     | 802.11be EHT160 SU CDD         | 18.37                              | 68.71             |
| 5250                     | 802.11be EHT160 Partial RU CDD | 21.24                              | 133.05            |
| 5250                     | 802.11be EHT160 SDM            | Covered by 802.11be EHT80 2TX CDD  |                   |

**5.3 GHz BAND**

| Frequency Range (MHz)    | Mode                           | Output Power (dBm)                 | Output Power (mW) |
|--------------------------|--------------------------------|------------------------------------|-------------------|
| <b>5.3 GHz band, 1TX</b> |                                |                                    |                   |
| 5260 - 5320              | 802.11a                        | Covered by 802.11n HT20 1TX        |                   |
| 5260 - 5320              | 802.11n HT20                   | 19.89                              | 97.50             |
| 5270 - 5310              | 802.11n HT40                   | 19.89                              | 97.50             |
| 5260 - 5320              | 802.11ac VHT20                 | Covered by 802.11n HT20 1TX        |                   |
| 5270 - 5310              | 802.11ac VHT40                 | Covered by 802.11n HT40 1TX        |                   |
| 5290                     | 802.11ac VHT80                 | 17.61                              | 57.68             |
| 5250                     | 802.11ac VHT160                | 16.39                              | 43.55             |
| 5260 - 5320              | 802.11be EHT20 SU              | 19.89                              | 97.50             |
| 5260 - 5320              | 802.11be EHT20 Partial RU      | 15.03                              | 31.84             |
| 5270 - 5310              | 802.11be EHT40 SU              | 19.89                              | 97.50             |
| 5270 - 5310              | 802.11be EHT40 Partial RU      | 19.91                              | 97.95             |
| 5290                     | 802.11be EHT80 SU              | 16.39                              | 43.55             |
| 5290                     | 802.11be EHT80 Partial RU      | 19.89                              | 97.50             |
| 5250                     | 802.11be EHT160 SU             | 15.91                              | 38.99             |
| 5250                     | 802.11be EHT160 Partial RU     | 19.91                              | 97.95             |
| <b>5.3 GHz band, 2TX</b> |                                |                                    |                   |
| 5260 - 5320              | 802.11n HT20 CDD               | 21.21                              | 132.13            |
| 5260 - 5320              | 802.11n HT20 SDM/STBC          | Covered by 802.11n HT20 2TX CDD    |                   |
| 5270 - 5310              | 802.11n HT40 CDD               | 22.41                              | 174.18            |
| 5270 - 5310              | 802.11n HT40 SDM/STBC          | Covered by 802.11n HT40 2TX CDD    |                   |
| 5260 - 5320              | 802.11ac VHT20 SDM/STBC/CDD    | Covered by 802.11n HT20 2TX CDD    |                   |
| 5270 - 5310              | 802.11ac VHT40 SDM/STBC/CDD    | Covered by 802.11n HT40 2TX CDD    |                   |
| 5290                     | 802.11ac VHT80 CDD             | 18.37                              | 68.71             |
| 5290                     | 802.11ac VHT80 SDM/STBC        | Covered by 802.11ac VHT80 2TX CDD  |                   |
| 5250                     | 802.11ac VHT160 CDD            | 18.45                              | 69.98             |
| 5250                     | 802.11ac VHT160 SDM/STBC       | Covered by 802.11ac VHT160 2TX CDD |                   |
| 5260 - 5320              | 802.11be EHT20 SU CDD          | 21.41                              | 138.36            |
| 5260 - 5320              | 802.11be EHT20 Partial RU CDD  | 14.89                              | 30.83             |
| 5260 - 5320              | 802.11be EHT20 SDM             | Covered by 802.11be EHT20 2TX CDD  |                   |
| 5270 - 5310              | 802.11be EHT40 SU CDD          | 22.41                              | 174.18            |
| 5270 - 5310              | 802.11be EHT40 Partial RU CDD  | 21.42                              | 138.68            |
| 5270 - 5310              | 802.11be EHT40 SDM             | Covered by 802.11be EHT40 2TX CDD  |                   |
| 5290                     | 802.11be EHT80 SU CDD          | 17.38                              | 54.70             |
| 5290                     | 802.11be EHT80 Partial RU CDD  | 22.41                              | 174.18            |
| 5290                     | 802.11be EHT80 SDM             | Covered by 802.11be EHT80 2TX CDD  |                   |
| 5250                     | 802.11be EHT160 SU CDD         | 18.37                              | 68.71             |
| 5250                     | 802.11be EHT160 Partial RU CDD | 21.24                              | 133.05            |
| 5250                     | 802.11be EHT160 SDM            | Covered by 802.11be EHT160 2TX CDD |                   |

**5.6 GHz BAND**

| Frequency Range (MHz)    | Mode                           | Output Power (dBm)                 | Output Power (mW) |
|--------------------------|--------------------------------|------------------------------------|-------------------|
| <b>5.6 GHz band, 1TX</b> |                                |                                    |                   |
| 5500-5720                | 802.11a                        | Covered by 802.11n HT20 1TX        |                   |
| 5500-5720                | 802.11n HT20                   | 19.89                              | 97.50             |
| 5510-5710                | 802.11n HT40                   | 19.87                              | 97.05             |
| 5500-5720                | 802.11ac VHT20                 | Covered by 802.11n HT20 1TX        |                   |
| 5510-5710                | 802.11ac VHT40                 | Covered by 802.11n HT40 1TX        |                   |
| 5530-5690                | 802.11ac VHT80                 | 19.88                              | 97.27             |
| 5570                     | 802.11ac VHT160                | 16.39                              | 43.55             |
| 5500-5720                | 802.11be EHT20 SU              | 19.82                              | 95.94             |
| 5500-5720                | 802.11be EHT20 Partial RU      | 14.98                              | 31.48             |
| 5510-5710                | 802.11be EHT40 SU              | 19.81                              | 95.72             |
| 5530-5690                | 802.11be EHT40 Partial RU      | 19.91                              | 97.95             |
| 5530-5690                | 802.11be EHT80 SU              | 19.93                              | 98.40             |
| 5530-5690                | 802.11be EHT80 Partial RU      | 19.91                              | 97.95             |
| 5570                     | 802.11be EHT160 SU             | 15.93                              | 39.17             |
| 5570                     | 802.11be EHT160 Partial RU     | 19.89                              | 97.50             |
| <b>5.6 GHz band, 2TX</b> |                                |                                    |                   |
| 5500-5720                | 802.11n HT20 CDD               | 21.19                              | 131.52            |
| 5500-5720                | 802.11n HT20 SDM/STBC          | Covered by 802.11n HT40 2TX CDD    |                   |
| 5510-5710                | 802.11n HT40 CDD               | 22.42                              | 174.58            |
| 5510-5710                | 802.11n HT40 SDM/STBC          | Covered by 802.11n HT40 2TX CDD    |                   |
| 5500-5720                | 802.11ac VHT20 SDM/STBC/CDD    | Covered by 802.11n HT20 2TX CDD    |                   |
| 5510-5710                | 802.11ac VHT40 SDM/STBC/CDD    | Covered by 802.11n HT40 2TX CDD    |                   |
| 5530-5690                | 802.11ac VHT80 CDD             | 22.40                              | 173.78            |
| 5530-5690                | 802.11ac VHT80 SDM/STBC        | Covered by 802.11ac VHT80 2TX CDD  |                   |
| 5570                     | 802.11ac VHT160 CDD            | 18.43                              | 69.66             |
| 5570                     | 802.11ac VHT160 SDM/STBC       | Covered by 802.11ac VHT160 2TX CDD |                   |
| 5500-5720                | 802.11be EHT20 SU CDD          | 21.38                              | 137.40            |
| 5500-5720                | 802.11be EHT20 Partial RU CDD  | 14.84                              | 30.48             |
| 5500-5720                | 802.11be EHT20 SDM             | Covered by 802.11be EHT20 2TX CDD  |                   |
| 5510-5710                | 802.11be EHT40 SU CDD          | 22.47                              | 176.60            |
| 5510-5710                | 802.11be EHT40 Partial RU CDD  | 21.41                              | 138.36            |
| 5510-5710                | 802.11be EHT40 SDM             | Covered by 802.11be EHT40 2TX CDD  |                   |
| 5530-5690                | 802.11be EHT80 SU CDD          | 22.41                              | 174.18            |
| 5530-5690                | 802.11be EHT80 Partial RU CDD  | 22.44                              | 175.39            |
| 5530-5690                | 802.11be EHT80 SDM             | Covered by 802.11be EHT80 2TX CDD  |                   |
| 5570                     | 802.11be EHT160 SU CDD         | 18.39                              | 69.02             |
| 5570                     | 802.11be EHT160 Partial RU CDD | 21.40                              | 138.04            |
| 5570                     | 802.11be EHT160 SDM            | Covered by 802.11be EHT160 2TX CDD |                   |

**5.8 GHz BAND**

| Frequency Range (MHz)    | Mode                          | Output Power (dBm)                | Output Power (mW) |
|--------------------------|-------------------------------|-----------------------------------|-------------------|
| <b>5.8 GHz band, 1TX</b> |                               |                                   |                   |
| 5745-5825                | 802.11a                       | Covered by 802.11n HT20 1TX       |                   |
| 5745-5825                | 802.11n HT20                  | 19.91                             | 97.95             |
| 5755-5795                | 802.11n HT40                  | 19.88                             | 97.27             |
| 5745-5825                | 802.11ac VHT20                | Covered by 802.11n HT20 1TX       |                   |
| 5755-5795                | 802.11ac VHT40                | Covered by 802.11n HT40 1TX       |                   |
| 5775                     | 802.11ac VHT80                | 19.89                             | 97.50             |
| 5745-5825                | 802.11be EHT20 SU             | 19.89                             | 97.50             |
| 5745-5825                | 802.11be EHT20 Partial RU     | 19.91                             | 97.95             |
| 5755-5795                | 802.11be EHT40 SU             | 19.87                             | 97.05             |
| 5755-5795                | 802.11be EHT40 Partial RU     | 19.89                             | 97.50             |
| 5775                     | 802.11be EHT80 SU             | 19.89                             | 97.50             |
| 5775                     | 802.11be EHT80 Partial RU     | 19.91                             | 97.95             |
| <b>5.8 GHz band, 2TX</b> |                               |                                   |                   |
| 5745-5825                | 802.11n HT20 CDD              | 22.47                             | 176.60            |
| 5745-5825                | 802.11n HT20 SDM/STBC         | Covered by 802.11n HT40 2TX CDD   |                   |
| 5755-5795                | 802.11n HT40 CDD              | 22.44                             | 175.39            |
| 5755-5795                | 802.11n HT40 SDM/STBC         | Covered by 802.11n HT40 2TX CDD   |                   |
| 5745-5825                | 802.11ac VHT20 STM/STBC/CDD   | Covered by 802.11n HT20 2TX CDD   |                   |
| 5755-5795                | 802.11ac VHT40 STM/STBC/CDD   | Covered by 802.11n HT40 2TX CDD   |                   |
| 5775                     | 802.11ac VHT80 CDD            | 22.37                             | 172.58            |
| 5775                     | 802.11ac VHT80 SDM/STBC       | Covered by 802.11ac VHT80 2TX CDD |                   |
| 5745-5825                | 802.11be EHT20 SU CDD         | 22.48                             | 177.01            |
| 5745-5825                | 802.11be EHT20 Partial RU CDD | 22.43                             | 174.98            |
| 5745-5825                | 802.11be EHT20 SDM            | Covered by 802.11be EHT20 2TX CDD |                   |
| 5755-5795                | 802.11be EHT40 SU CDD         | 22.36                             | 172.19            |
| 5755-5795                | 802.11be EHT40 Partial RU CDD | 22.49                             | 177.42            |
| 5755-5795                | 802.11be EHT40 SDM            | Covered by 802.11be EHT40 2TX CDD |                   |
| 5775                     | 802.11be EHT80 SU CDD         | 22.40                             | 173.78            |
| 5775                     | 802.11be EHT80 Partial RU CDD | 22.41                             | 174.18            |
| 5775                     | 802.11be EHT80 SDM            | Covered by 802.11be EHT80 2TX CDD |                   |

## 6.5. WORST-CASE CONFIGURATION AND MODE

The fundamental of the EUT was investigated in three orthogonal orientations X, Y and Z on ANT 6, ANT 5 and 2TX. It was determined that Y (Landscape) orientation was the worst-case orientation for ANT 6, ANT 5, and Portrait for 2TX.

802.11n 2TX and 802.11be 2TX modes were used to perform on radiated harmonic spurious final test to cover all SISO modes. Max power was tuned to maximum based on among all the modes. For testing purposes, radiated harmonics spurious below 1GHz, 1-18GHz L/M/H channels, 18-40GHz, and power line conducted emissions were performed with the EUT set at the 2TX CDD mode among the CDD/SDM modes with power setting equal or higher than FCC conducted SISO modes as worst-case scenario.

For Radiated band edge test all test modes have been investigated with power setting equal or higher than FCC conducted SISO modes as worst-case scenario.

Below 1GHz tests were performed with EUT connected to AC power adapter as the worst case; and for above 1GHz, the worst-case configuration reported was tested with EUT only. For AC line conducted emission, test was investigated with AC power adapter and with laptop. There were no emissions found below 30MHz within 20dB of the limit.

Simultaneous transmission with Bluetooth was investigated, and no noticeable emission was found.

With same power on Full RU and SU higher data rate, investigation were performed on both band edge to determine the worst case, and SU mode was determined to be the worst case.

Low data rate was used to test on antenna port conducted tests and radiated spurious emissions since it has the highest maximum power. For radiated band edge, the following are the worst-case data rates set for test:

802.11n HT20 mode: MCS7

802.11n HT40 mode: MCS7

802.11ac VHT80 mode: MCS9

802.11ac VHT160 mode MCS9

802.11be: EHT20/ EHT40/ EHT80/EHT160 RU, MRU, and SU mode: MCS11

802.11a and 802.11ac are covered by 802.11n because the modulation and bandwidth of 802.11a, 802.11ac, and 802.11n modes are similar, and the target power of 802.11a and 802.11ac modes are equal to or lower than that of 802.11n mode. The modulation and bandwidth of 802.11ax and 802.11be modes are similar at 20 MHz (40 MHz, 80 MHz, 160 MHz), and the target power of 802.11ax mode is equal to or lower than that of 802.11be mode, and the data rate of 802.11be mode is higher than 802.11ax mode, so 802.11be mode is performed in the test to represent worst-case reporting.

The target power of SDM mode is equal to or lower than that of CDD mode. CDD correlated antenna gain is also worst-case, so CDD mode is performed in the test to represent worst-case reporting.

40MHz/80MHz/160MHz RU242T are covered by 20MHz SU/RU242T and  
40MHz/80MHz/160MHz RU484T are covered by 40MHz SU/RU because they have the same tune up. Only those indexes with different tune up are set for tests.

After the investigation, the worst case of power and PSD modes selecting for test are as table shown below.

| BW<br>(MHz) | Tone<br>(T)     | RU Index                                   | RU Index<br>(Chipset Support only)                                         | Worst Case Tone<br>(UNII-1) |                | Worst Case Tone<br>(UNII-2a) |                | Worst Case Tone<br>(UNII-2c) |                | Worst Case Tone<br>(UNII-3) |                |
|-------------|-----------------|--------------------------------------------|----------------------------------------------------------------------------|-----------------------------|----------------|------------------------------|----------------|------------------------------|----------------|-----------------------------|----------------|
|             |                 |                                            |                                                                            | Highest<br>Power            | Highest<br>PSD | Highest<br>Power             | Highest<br>PSD | Highest<br>Power             | Highest<br>PSD | Highest<br>Power            | Highest<br>PSD |
| 20          | 26              | 0 ~ 8                                      | 0 ~ 8                                                                      |                             |                |                              |                |                              |                |                             | x              |
|             | 52              | 37 ~ 40                                    | 37 ~ 40                                                                    |                             | x              |                              | x              |                              | x              |                             |                |
|             | 52 + 26         | 70 ~ 81                                    | 70, 71, 72                                                                 |                             |                |                              |                |                              |                |                             |                |
|             | 106             | 53 ~ 54                                    | 53 ~ 54                                                                    |                             |                |                              |                |                              |                |                             |                |
|             | 106 + 26        | 82 ~ 89                                    | 82, 83                                                                     |                             |                |                              |                |                              |                |                             |                |
|             | 242             | 61                                         | 61                                                                         |                             |                |                              |                |                              |                |                             |                |
|             | SU              | --                                         | --                                                                         | x                           |                | x                            |                | x                            |                | x                           |                |
| 40          | 26              | 0 ~ 17                                     | 0 ~ 17                                                                     |                             |                |                              |                |                              |                |                             |                |
|             | 52              | 37 ~ 44                                    | 37 ~ 44                                                                    |                             | x              |                              |                |                              |                |                             |                |
|             | 52 + 26         | 70 ~ 81                                    | 70, 72, 72, 73, 74, 75                                                     |                             |                |                              |                |                              |                |                             |                |
|             | 106             | 53 ~ 56                                    | 53 ~ 56                                                                    |                             |                |                              |                |                              |                |                             | x              |
|             | 106 + 26        | 82 ~ 89                                    | 82, 83, 84, 85                                                             |                             |                | x                            |                | x                            |                |                             |                |
|             | 242             | 61 ~ 61                                    | 61 ~ 62                                                                    |                             | x              | x                            |                | x                            |                |                             |                |
|             | 484             | 65                                         | 65                                                                         |                             |                |                              |                |                              |                |                             |                |
| 80          | SU              | --                                         | --                                                                         | x                           |                | x                            |                | x                            |                | x                           |                |
|             | 26              | 0 ~ 36                                     | 0 ~ 36                                                                     |                             |                |                              |                |                              |                |                             |                |
|             | 52              | 37 ~ 52                                    | 37 ~ 52                                                                    |                             | x              |                              | x              |                              | x              |                             |                |
|             | 52 + 26         | 70 ~ 81                                    | 71, 72, 73, 74, 77, 78, 79, 80                                             |                             |                |                              |                |                              |                |                             |                |
|             | 106             | 53 ~ 60                                    | 53 ~ 60                                                                    |                             |                |                              |                |                              |                |                             | x              |
|             | 106 + 26        | 82 ~ 89                                    | 82, 85, 86, 89                                                             |                             |                |                              |                |                              |                |                             |                |
|             | 242             | 61 ~ 64                                    | 61 ~ 64                                                                    |                             | x              |                              |                |                              |                |                             |                |
|             | 484             | 65 ~ 66                                    | 65 ~ 66                                                                    |                             |                | x                            |                | x                            |                | x                           |                |
|             | 484 + 242       | 90 ~ 93                                    | 90, 91, 92, 93                                                             |                             |                |                              |                |                              |                |                             |                |
| 160         | 996             | 67                                         | 67                                                                         |                             |                |                              |                |                              |                |                             |                |
|             | SU              | --                                         | --                                                                         | x                           |                | x                            |                | x                            |                | x                           |                |
|             | 26              | 0 ~ S36                                    | 0 ~ S36                                                                    |                             |                |                              |                |                              |                |                             |                |
|             | 52              | 37 ~ S52                                   | 37 ~ S52                                                                   |                             | x              |                              | x              |                              | x              |                             |                |
|             | 52 + 26         | 70 ~ S81                                   | sb0: 71, 72, 73, 74, 77, 78, 79, 80<br>sb1: 71, 72, 73, 74, 77, 78, 79, 80 |                             |                |                              |                |                              |                |                             |                |
|             | 106             | 53 ~ S60                                   | 53 ~ S60                                                                   |                             |                |                              |                |                              |                |                             |                |
|             | 106 + 26        | 82 ~ 89                                    | 82, 85, 86, 89                                                             |                             |                |                              |                |                              |                |                             |                |
|             | 242             | 61 ~ S64                                   | 61 ~ S64                                                                   |                             | x              |                              | x              |                              | x              |                             |                |
|             | 484             | 65 ~ S66                                   | 65 ~ S66                                                                   |                             |                |                              |                |                              |                |                             |                |
|             | 484 + 242       | 90 ~ S93                                   | sb0: 90, 91, 92, 93<br>sb1: 90, 91, 92, 93                                 |                             |                |                              |                |                              |                |                             |                |
|             | 996             | 67 ~ S67                                   | 67 ~ S67                                                                   |                             |                |                              |                |                              |                |                             |                |
|             | 996 + 484       | sb0: 94, 95<br>sb1: 94, 95                 | sb0: 94, 95<br>sb1: 94, 95                                                 |                             |                |                              |                |                              |                |                             |                |
|             | 996 + 484 + 242 | sb0: 96, 97, 98, 99<br>sb1: 96, 97, 98, 99 | sb0: 96, 97, 98, 99<br>sb1: 96, 97, 98, 99                                 |                             |                |                              |                |                              |                |                             |                |
|             | 996x2           | S68                                        | S68                                                                        |                             |                |                              |                |                              |                |                             |                |
|             | SU              | --                                         | --                                                                         | x                           |                | x                            |                | x                            |                |                             |                |

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### 6.5.1. REUSE STATEMENT

The maximum output power for reference model A3258 (FCC ID: BCG-E8947A) and variant models A3519, A3520, and A3521 are identical across all power tables for ANT 6 and ANT 5. The only difference is the antenna gain increased on UNII-1, UNII-2A and UNII-3 antenna 6.

As there is no change in output power between parent model and variant model, all conducted data from the reference model is reused for this variant model. Spotchecks to verify output power is the same for the variant model compared reference model is included in Appendix A. Radiated measurements are also reusing the reference model data for the antenna 5 SISO modes and the whole UNII-2C supported by spotchecks in Appendix A.

Radiated measurements are repeated in full on the variant model for the band edge and spurious emissions in the 30MHz to 40 GHz frequency range for UNII-1, UNII-2A and UNII-3 antenna 6 SISO modes and for the MIMO modes. After investigation, it was confirmed that the emissions remained the same as those for the reference model and were either below the noise floor (above 18GHz) or were limited to non-transmitter-related emissions (below 1GHz).

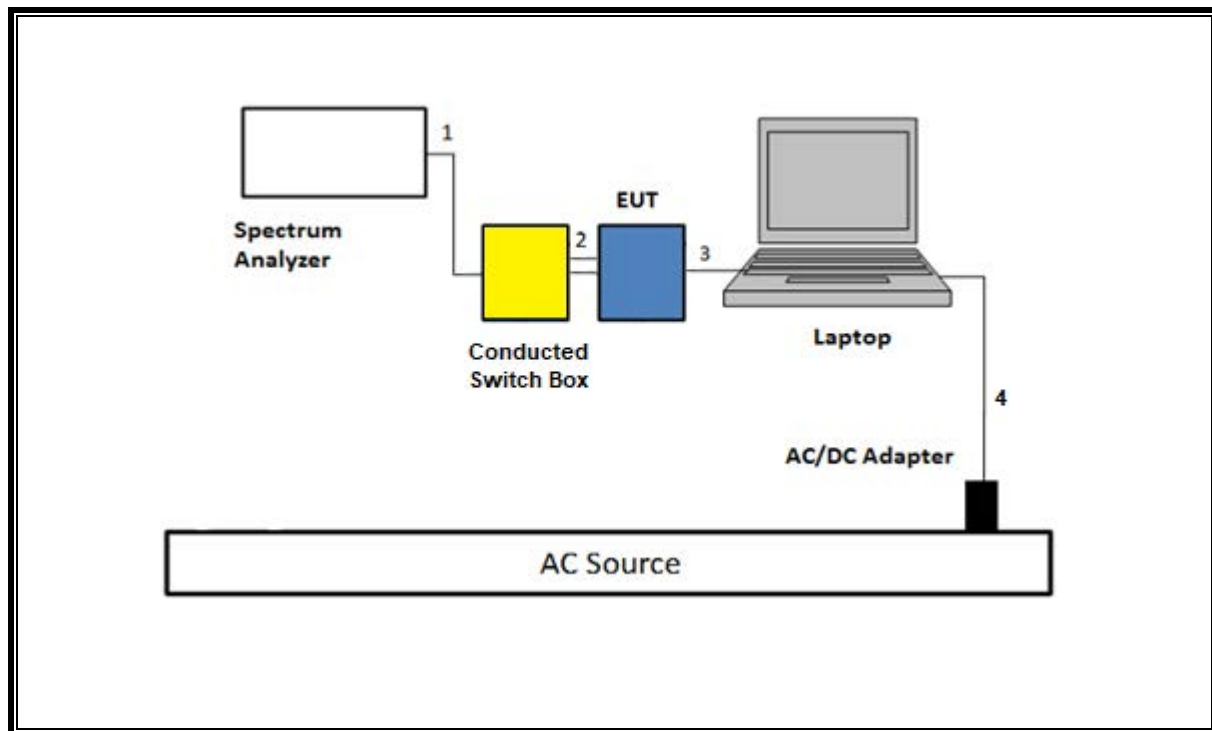
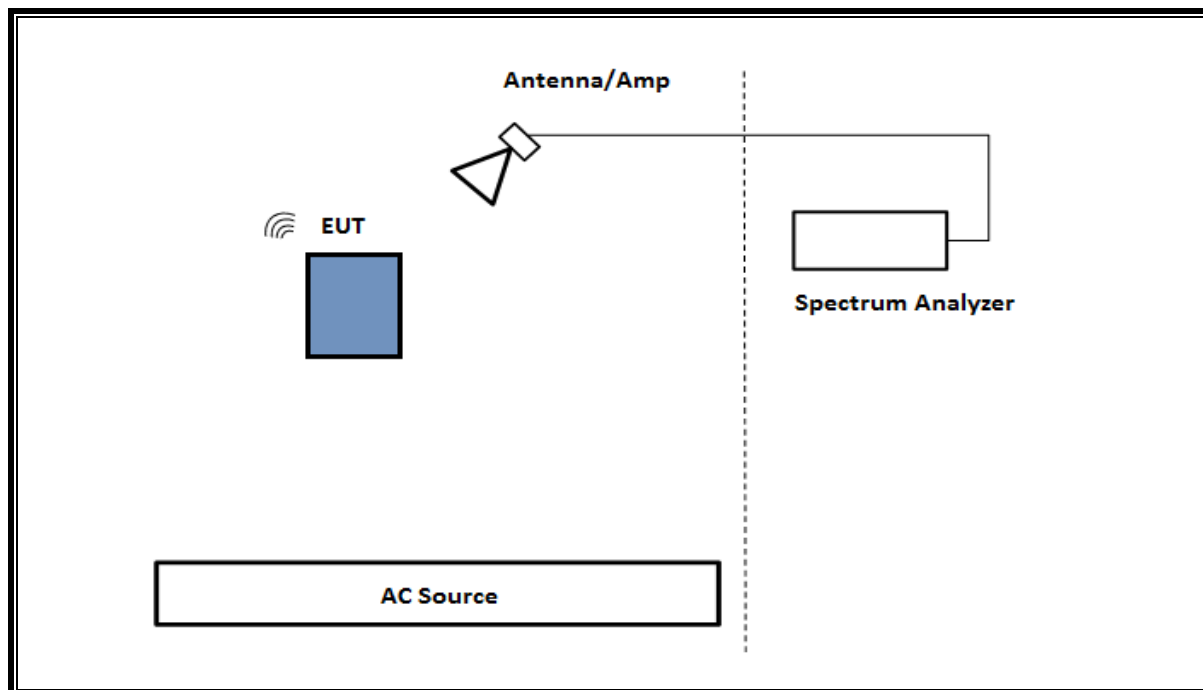
## 6.6. DESCRIPTION OF TEST SETUP

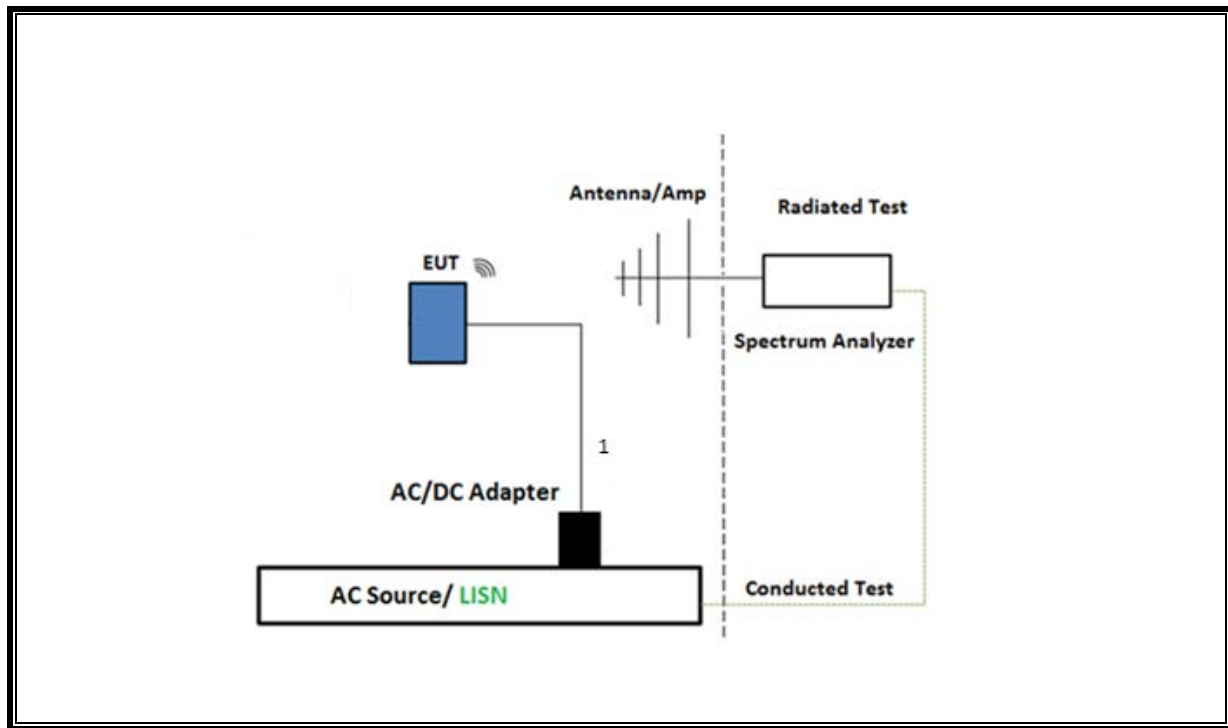
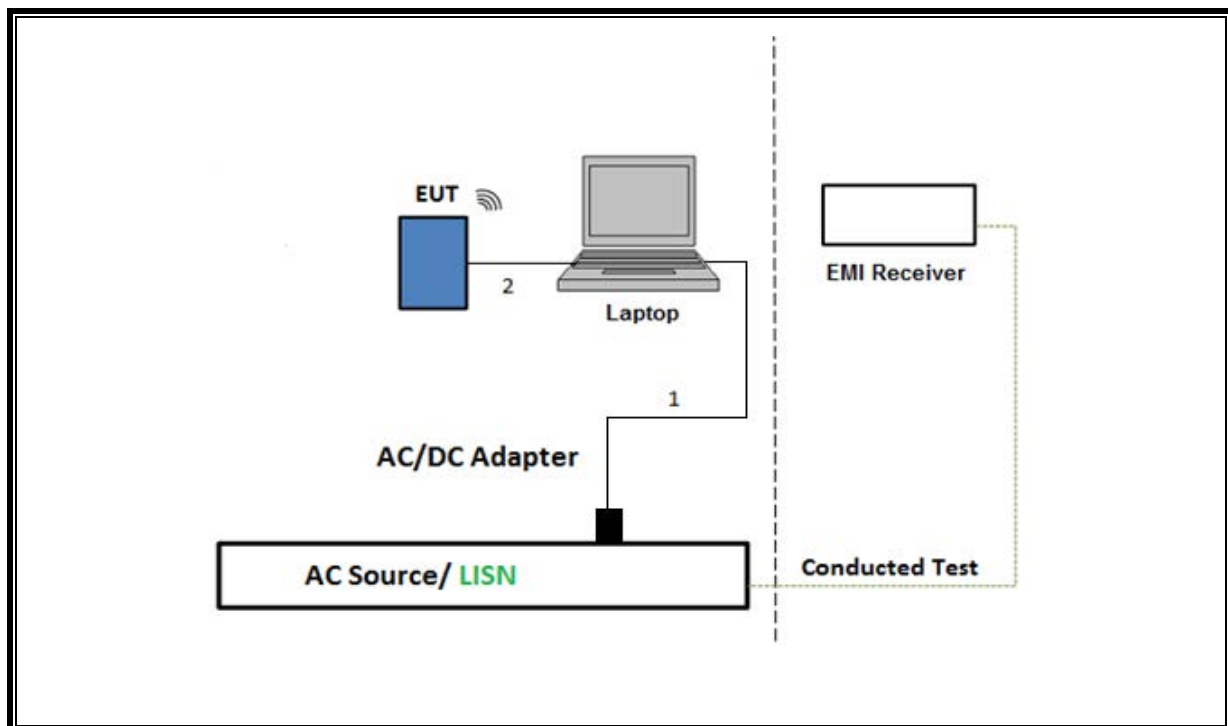
| SUPPORT TEST EQUIPMENT |              |       |                   |             |
|------------------------|--------------|-------|-------------------|-------------|
| Description            | Manufacturer | Model | Serial Number     | FCC ID/ DoC |
| Laptop                 | Apple        | A2338 | FVFDRD40Q05F      | BCGA2338    |
| Laptop AC/DC adapter   | Apple        | A1718 | C4H749207RMGN8RAT | DoC         |
| EUT AC/DC adapter      | Apple        | A2305 | F162163404UPM0685 | DoC         |
| Conducted Switch Box   | UL           | CSB   | 254476            | N/A         |

| I/O CABLES (RF CONDUCTED TEST)                      |         |                      |                |            |                  |                      |
|-----------------------------------------------------|---------|----------------------|----------------|------------|------------------|----------------------|
| Cable No.                                           | Port    | # of Identical Ports | Connector Type | Cable Type | Cable Length (m) | Remarks              |
| 1                                                   | SMA     | 1                    | SMA            | Shielded   | 0.20             | To spectrum Analyzer |
| 2                                                   | Antenna | 2                    | SMA            | Shielded   | 0.20             | EUT to Switchbox     |
| 3                                                   | USB-C   | 1                    | USB-C          | Shielded   | 1.00             | N/A                  |
| 4                                                   | DC      | 1                    | DC             | Shielded   | 2.00             | N/A                  |
| I/O CABLES (RF RADIATED AND AC LINE CONDUCTED TEST) |         |                      |                |            |                  |                      |
| Cable No.                                           | Port    | # of Identical Ports | Connector Type | Cable Type | Cable Length (m) | Remarks              |
| 1                                                   | DC      | 1                    | DC             | Shielded   | 2.00             | N/A                  |
| 2                                                   | USB     | 1                    | USB-C          | Shielded   | 1.00             | N/A                  |

### TEST SETUP

The EUT setup is shown as below. Test software exercised the radio card.

**SETUP DIAGRAM FOR CONDUCTED TESTS****SETUP DIAGRAM FOR RADIATED TESTS Above 1 GHz**

**SETUP DIAGRAM FOR Below 1GHz and AC LINE CONDUCTED TEST****TEST SETUP- AC LINE CONDUCTED: LAPTOP CONFIGURATION**

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## 7. MEASUREMENT METHOD

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

6 dB Emission BW: KDB 789033 D02 v02r01, Section C.2

26 dB Emission BW: KDB 789033 D02 v02r01, Section C.1

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

Conducted Output Power: KDB 789033 D02 v02r01

Power Spectral Density: KDB 789033 D02 v02r01, Section F

Unwanted emissions in restricted bands: KDB 789033 D02 v02r01, Sections G.3, G.4, G.5, and G.6.

Unwanted emissions in non-restricted bands: KDB 789033 D02 v02r01, Sections G.3, G.4, and G.5.

AC Power Line Conducted Emissions: ANSI C63.10-2020, Section 6.2.

Radiated Spurious Emissions Below 30MHz: ANSI C63.10-2020 Section 6.4

## 8. 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       | ID Num     | Cal Due    |
| Spectrum Analyzer, PXA, 3Hz to 44GHz               | Keysight Technologies Inc | N9030A      | 85214      | 2026-01-31 |
| Spectrum Analyzer, PXA, 3Hz to 44GHz               | Keysight Technologies Inc | N9030A      | 125178     | 2026-01-31 |
| Spectrum Analyzer, PXA, 3Hz to 44GHz               | Keysight Technologies Inc | N9030A      | 85201      | 2026-01-31 |
| *Spectrum Analyzer, PXA, 3Hz to 44GHz              | Keysight Technologies Inc | N9030A-544  | 90238      | 2025-07-31 |
| Spectrum Analyzer, PXA, 3Hz to 50GHz w/Ext. Mixer  | Keysight Technologies Inc | N9030A      | 80400      | 2026-01-31 |
| Spectrum Analyzer, PXA, 3Hz to 44GHz               | Keysight Technologies Inc | N9030A      | 125179     | 2026-01-31 |
| Spectrum Analyzer, PXA, 3Hz to 44GHz               | Keysight Technologies Inc | N9030A      | 80397      | 2026-01-31 |
| Spectrum Analyzer, PXA, 3Hz to 44GHz               | Keysight Technologies Inc | N9030A      | 85212      | 2026-01-31 |
| Spectrum Analyzer, PXA, 3Hz to 44GHz               | Keysight Technologies Inc | N9030A      | 85313      | 2026-01-31 |
| Spectrum Analyzer, PXA, 3Hz to 44GHz               | Keysight Technologies Inc | N9030A      | 81188      | 2026-05-31 |
| RF Device, Switch                                  | UL                        | CSB         | 254476     | 2025-10-31 |
| RF Device, Switch                                  | UL                        | CSB         | 245781     | 2026-04-30 |
| RF Device, Switch                                  | UL                        | CSB         | 245262     | 2026-04-30 |
| RF Device, Switch                                  | UL                        | CSB         | 235779     | 2026-06-30 |
| RF Device, Switch                                  | UL                        | CSB         | 245774     | 2026-06-30 |
| RF Device, Switch                                  | UL                        | CSB         | 245777     | 2026-06-30 |
| *RF Device, Switch                                 | UL                        | CSB         | 245782     | 2025-07-31 |
| RF Device, Switch                                  | UL                        | CSB         | 220322     | 2025-10-31 |
| RF Device, Switch                                  | UL                        | CSB         | 245775     | 2026-06-30 |
| EMI Test Receiver                                  | Rohde & Schwarz           | ESW44       | 225683     | 2026-2-28  |
| Antenna, Horn 1-18GHz                              | ETS-Lindgren              | 3117        | 226674     | 2027-3-31  |
| RF Filter Box, 1-18GHz                             | UL-FR1                    | RATS 1.0    | 250156     | 2025-10-31 |
| Antenna, Horn 1-18GHz                              | ETS-Lindgren              | 3117        | 84797      | 2026-10-31 |
| RF Filter Box, 1-18GHz                             | UL-FR1                    | UL RATS 2.0 | 225079     | 2026-5-31  |
| EMI Test Receiver                                  | Rohde & Schwarz           | ESW44       | 235670     | 2026-2-28  |
| EMI Test Receiver                                  | Rohde & Schwarz           | ESW44       | 201497     | 2026-2-28  |
| Antenna, Horn 1-18GHz                              | ETS-Lindgren              | 3117        | 222740     | 2026-9-30  |
| RF Filter Box, 1-18GHz                             | UL-FR1                    | Silver Box  | 171389     | 2026-3-31  |
| EMI Test Receiver                                  | Rohde & Schwarz           | ESW44       | 245268     | 2026-2-28  |
| Antenna, Horn 1-18GHz                              | ETS-Lindgren              | 3117        | 80707      | 2026-6-30  |
| RF Filter Box, 1-18GHz                             | UL-FR1                    | Silver Box  | PRE0181597 | 2026-3-31  |
| EMI Test Receiver                                  | Rohde & Schwarz           | ESW44       | 169936     | 2026-2-28  |
| Power Sensor, P - series, 50MHz to 18GHz, Wideband | Keysight Technologies Inc | N1921A      | 257703     | 2026-03-31 |
| Power Meter, P-series single channel               | Keysight Technologies Inc | N1911A      | 90756      | 2026-01-31 |

| TEST EQUIPMENT LIST                                  |                       |                |        |            |
|------------------------------------------------------|-----------------------|----------------|--------|------------|
| Description                                          | Manufacturer          | Model          | ID Num | Cal Due    |
| Antenna, Horn 1-18GHz                                | ETS-Lindgren          | 3117           | 200897 | 2026-4-30  |
| RF Filter Box, 1-18GHz                               | UL-FR1                | Frankenstein   | 235614 | 2026-1-31  |
| EMI Test Receiver                                    | Rohde & Schwarz       | ESW44          | 223461 | 2026-2-28  |
| Antenna, Horn 1-18GHz                                | ETS-Lindgren          | 3117           | 222741 | 2025-9-30  |
| RF Filter Box, 1-18GHz                               | UL-FR1                | Frankenstein   | 217521 | 2025-8-31  |
| Antenna, Passive Loop<br>100KHz - 30MHz              | ELECTRO-METRICS       | EM-6872        | 170016 | 2026-11-30 |
| Antenna, Passive Loop<br>30Hz - 1MHz                 | ELECTRO-METRICS       | EM-6871        | 170014 | 2026-11-30 |
| *Amplifier 9 KHz - 1 GHz                             | SONOMA INSTRUMENT     | 310N           | 230310 | 2025-05-16 |
| EMI Test Receiver                                    | Rohde & Schwarz       | ESW44          | 223459 | 2026-2-27  |
| Antenna, Horn 1-18GHz                                | ETS-Lindgren          | 3117           | 226672 | 2026-2-29  |
| RF Filter Box, 1-18GHz                               | UL-FR1                | Frankenstein   | 231876 | 2026-4-30  |
| EMI Test Receiver                                    | Rohde & Schwarz       | ESW44          | 201501 | 2026-2-28  |
| Antenna, Horn 1-18GHz                                | ETS-Lindgren          | 3117           | 230300 | 2027-3-31  |
| RF Filter Box, 1-18GHz                               | UL-FR1                | RATS 2.0       | 225474 | 2026-5-31  |
| EMI Test Receiver                                    | Rohde & Schwarz       | ESW44          | 201498 | 2026-2-28  |
| Antenna, Horn 1-18GHz                                | ETS-Lindgren          | 3117           | 81887  | 2027-3-31  |
| RF Filter Box, 1-18GHz                               | UL-FR1                | RATS 2.0       | 225575 | 2025-11-30 |
| EMI Test Receiver                                    | Rohde & Schwarz       | ESW44          | 226078 | 2026-2-28  |
| Antenna, Horn 1-18GHz                                | ETS-Lindgren          | 3117           | 80404  | 2025-8-31  |
| RF Filter Box, 1-18GHz                               | UL-FR1                | RATS 2.0       | 226781 | 2026-5-31  |
| Amplifier                                            | Sonoma Instrument Co. | 310 N          | 79584  | 2026-2-28  |
| EMI Test Receiver                                    | Rohde & Schwarz       | ESW44          | 235266 | 2026-2-28  |
| Antenna, Broadband<br>Hybrid 30 MHz - 2 or 3<br>GHz  | Sunol Sciences Corp.  | JB3            | 202301 | 2026-08-31 |
| Link File, @3m, 9kHz-<br>1000MHz Hybrid Path<br>Loss | UL-FR1                | Port 0 Factors | 212011 | 2026-02-28 |
| Antenna, Horn 18 to<br>26.5GHz                       | A.R.A.                | MWH-1826/B     | 172353 | 2026-07-31 |
| Amplifier                                            | Sonoma Instrument Co. | 310 N          | 230313 | 2026-03-31 |
| Antenna, Horn 26.5 to<br>40GHz                       | A.R.A.                | MWH-2640/B     | 172367 | 2025-08-31 |
| RF Device, Active,<br>Amplifier                      | AMPLICAL              | AMP26G40-60    | 81105  | 2025-8-31  |

| TEST EQUIPMENT LIST    |                 |              |        |            |
|------------------------|-----------------|--------------|--------|------------|
| Description            | Manufacturer    | Model        | ID Num | Cal Due    |
| EMI Test Receiver      | Rohde & Schwarz | ESW44        | 235266 | 2026-02-28 |
| RF Filter Box, 1-18GHz | UL-FR1          | Silver Box   | 173233 | 2026-04-30 |
| Antenna, Horn 1-18GHz  | ETS-Lindgren    | 3117         | 206806 | 2026-02-28 |
| EMI Test Receiver      | Rohde & Schwarz | ESW44        | 170063 | 2026-2-28  |
| RF Filter Box, 1-18GHz | UL-FR1          | Frankenstein | 231875 | 2025-11-31 |
| Antenna, Horn 1-18GHz  | ETS-Lindgren    | 3117         | 223084 | 2025-12-31 |
| EMI Test Receiver      | Rohde & Schwarz | ESW44        | 230548 | 2026-2-28  |
| RF Filter Box, 1-18GHz | UL-FR1          | Frankenstein | 216812 | 2026-01-31 |
| *Antenna, Horn 1-18GHz | ETS-Lindgren    | 3117         | 80402  | 2025-07-31 |
| EMI Test Receiver      | Rohde & Schwarz | ESW44        | 225688 | 2026-02-28 |
| RF Filter Box, 1-18GHz | UL-FR1          | Silver Box   | 197920 | 2026-03-31 |
| Antenna, Horn 1-18GHz  | ETS-Lindgren    | 3117         | 206808 | 2026-04-30 |
| EMI Test Receiver      | Rohde & Schwarz | ESW44        | 169927 | 2026-02-28 |
| RF Filter Box, 1-18GHz | UL-FR1          | RATS 3.1     | 243707 | 2026-4-30  |
| Antenna, Horn 1-18GHz  | ETS-Lindgren    | 3117         | 41112  | 2025-10-31 |
| EMI Test Receiver      | Rohde & Schwarz | ESW44        | 169935 | 2026-02-27 |
| RF Filter Box, 1-18GHz | UL-FR1          | Frankenstein | 237597 | 2025-10-30 |
| *Antenna, Horn 1-18GHz | ETS-Lindgren    | 3117         | 79834  | 2025-7-31  |
| EMI Test Receiver      | Rohde & Schwarz | ESW44        | 223460 | 2026-02-28 |
| Antenna, Horn 1-18GHz  | ETS-Lindgren    | 3117         | 80403  | 2026-08-31 |
| RF Filter Box, 1-18GHz | UL-FR1          | RATS 2.0     | 236726 | 2025-10-31 |

| AC Line Conducted                        |                                  |                                      |                      |            |
|------------------------------------------|----------------------------------|--------------------------------------|----------------------|------------|
| Description                              | Manufacturer                     | Model                                | ID Num               | Cal Due    |
| EMI Test Receiver 9kHz-7GHz              | Rohde & Schwarz                  | ESR                                  | 171646               | 2026-02-28 |
| LISN for Conducted Emissions<br>CISPR-16 | Fischer Custom<br>Communications | FCC-LISN-<br>50/250-25-2-01-<br>480V | 175765               | 2026-01-31 |
| Transient Limiter                        | TE                               | TBFL1                                | 207996               | 2025-09-30 |
| UL AUTOMATION SOFTWARE                   |                                  |                                      |                      |            |
| Radiated Software                        | UL                               | UL EMC                               | Ver 9.5, May 1, 2023 |            |
| Conducted Software                       | UL                               | UL EMC                               | 2020.8.16            |            |
| Conducted Software                       | UL                               | Station Tool                         | Ver 7.0              |            |
| AC Line Conducted Software               | UL                               | UL EMC                               | Ver 9.5, Mar 3, 2023 |            |

\*Testing was completed before calibration due date and/or after calibration was completed.

## 9. ANTENNA PORT TEST RESULTS

### 9.1. ON TIME AND DUTY CYCLE

#### LIMITS

None; for reporting purposes only.

#### PROCEDURE

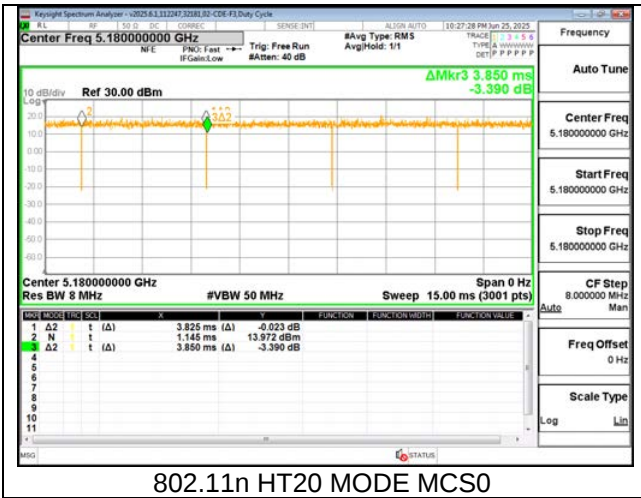
KDB 558074 Zero-Span Spectrum Analyzer Method.

**ON TIME AND DUTY CYCLE RESULTS**

| Mode   | Tone      | Data Rate (Mbps) | ON Time T (msec) | Period (msec) | Duty Cycle x (linear) | Duty Cycle (%) | Duty Cycle Correction Factor (dB) | 1/T Minimum VBW (kHz) |
|--------|-----------|------------------|------------------|---------------|-----------------------|----------------|-----------------------------------|-----------------------|
| HT20   | --        | MCS0             | 3.825            | 3.850         | 0.9935                | 99.35%         | 0.00                              | 0.010                 |
|        | --        | MCS7             | 4.010            | 4.035         | 0.9938                | 99.38%         | 0.00                              | 0.010                 |
| HT40   | --        | MCS0             | 4.590            | 4.615         | 0.9946                | 99.46%         | 0.00                              | 0.010                 |
|        | --        | MCS7             | 1.948            | 1.973         | 0.9873                | 98.73%         | 0.00                              | 0.010                 |
| VHT80  | --        | MCS0             | 5.08             | 5.107         | 0.9947                | 99.47%         | 0.00                              | 0.010                 |
|        | --        | MCS9             | 2.059            | 2.085         | 0.9875                | 98.75%         | 0.00                              | 0.010                 |
| VHT160 | --        | MCS0             | 5.293            | 5.32          | 0.9949                | 99.49%         | 0.00                              | 0.010                 |
|        | --        | MCS9             | 1.05             | 1.077         | 0.9749                | 97.49%         | 0.11                              | 0.952                 |
| EHT20  | SU        | MCS0             | 4.62             | 4.645         | 0.9946                | 99.46%         | 0.00                              | 0.010                 |
|        |           | MCS11            | 5.433            | 5.46          | 0.9951                | 99.51%         | 0.00                              | 0.010                 |
|        | 52T       | MCS0             | 2.027            | 2.064         | 0.9821                | 98.21%         | 0.00                              | 0.010                 |
|        |           | MCS11            | 2.029            | 2.067         | 0.9816                | 98.16%         | 0.00                              | 0.010                 |
|        | 26T       | MCS0             | 2.029            | 2.067         | 0.9816                | 98.16%         | 0.00                              | 0.010                 |
|        |           | MCS11            | 2.027            | 2.064         | 0.9821                | 98.21%         | 0.00                              | 0.010                 |
| EHT40  | SU        | MCS0             | 5.373            | 5.4           | 0.9950                | 99.50%         | 0.00                              | 0.010                 |
|        |           | MCS11            | 2.98             | 3.003         | 0.9923                | 99.23%         | 0.00                              | 0.010                 |
|        | 242T      | MCS0             | 2.029            | 2.067         | 0.9816                | 98.16%         | 0.00                              | 0.010                 |
|        |           | MCS11            | 2.027            | 2.064         | 0.9821                | 98.21%         | 0.00                              | 0.010                 |
|        | (106+26)T | MCS0             | 2.029            | 2.067         | 0.9816                | 98.16%         | 0.00                              | 0.010                 |
|        |           | MCS11            | 2.027            | 2.064         | 0.9821                | 98.21%         | 0.00                              | 0.010                 |
|        | 106T      | MCS0             | 1.981            | 2.051         | 0.9659                | 96.59%         | 0.15                              | 0.505                 |
|        |           | MCS11            | 1.984            | 2.051         | 0.9673                | 96.73%         | 0.14                              | 0.504                 |
|        | 52T       | MCS0             | 1.995            | 2.065         | 0.9661                | 96.61%         | 0.15                              | 0.501                 |
|        |           | MCS11            | 1.984            | 2.064         | 0.9612                | 96.12%         | 0.17                              | 0.504                 |
| EHT80  | SU        | MCS0             | 5.14             | 5.167         | 0.9948                | 99.48%         | 0.00                              | 0.010                 |
|        |           | MCS11            | 1.46             | 1.485         | 0.9832                | 98.32%         | 0.00                              | 0.010                 |
|        | 484T      | MCS0             | 2.027            | 2.064         | 0.9821                | 98.21%         | 0.00                              | 0.010                 |
|        |           | MCS11            | 2.027            | 2.064         | 0.9821                | 98.21%         | 0.00                              | 0.010                 |
|        | 242T      | MCS0             | 2.027            | 2.064         | 0.9821                | 98.21%         | 0.00                              | 0.010                 |
|        |           | MCS11            | 2.027            | 2.064         | 0.9821                | 98.21%         | 0.00                              | 0.010                 |
|        | 106T      | MCS0             | 2.008            | 2.067         | 0.9715                | 97.15%         | 0.13                              | 0.498                 |
|        |           | MCS11            | 2.011            | 2.064         | 0.9743                | 97.43%         | 0.11                              | 0.497                 |
|        | 52T       | MCS0             | 1.992            | 2.072         | 0.9614                | 96.14%         | 0.17                              | 0.502                 |
|        |           | MCS11            | 1.987            | 2.061         | 0.9641                | 96.41%         | 0.16                              | 0.503                 |
| EHT160 | SU        | MCS0             | 5.32             | 5.34          | 0.9963                | 99.63%         | 0.00                              | 0.010                 |
|        |           | MCS11            | 0.766            | 0.791         | 0.9684                | 96.84%         | 0.14                              | 1.305                 |
|        | 242T      | MCS0             | 2.02             | 2.067         | 0.9773                | 97.73%         | 0.10                              | 0.495                 |
|        |           | MCS11            | 2.015            | 2.061         | 0.9777                | 97.77%         | 0.10                              | 0.496                 |
|        | 52T       | MCS0             | 1.981            | 2.072         | 0.9561                | 95.61%         | 0.20                              | 0.505                 |
|        |           | MCS11            | 1.963            | 2.056         | 0.9548                | 95.48%         | 0.20                              | 0.509                 |

Note: There is the same duty cycle factor on 1TX and 2TX

DUTY CYCLE PLOTS



## 9.2. 26 dB AND 99% BANDWIDTH

### LIMITS

None; for reporting purposes only.

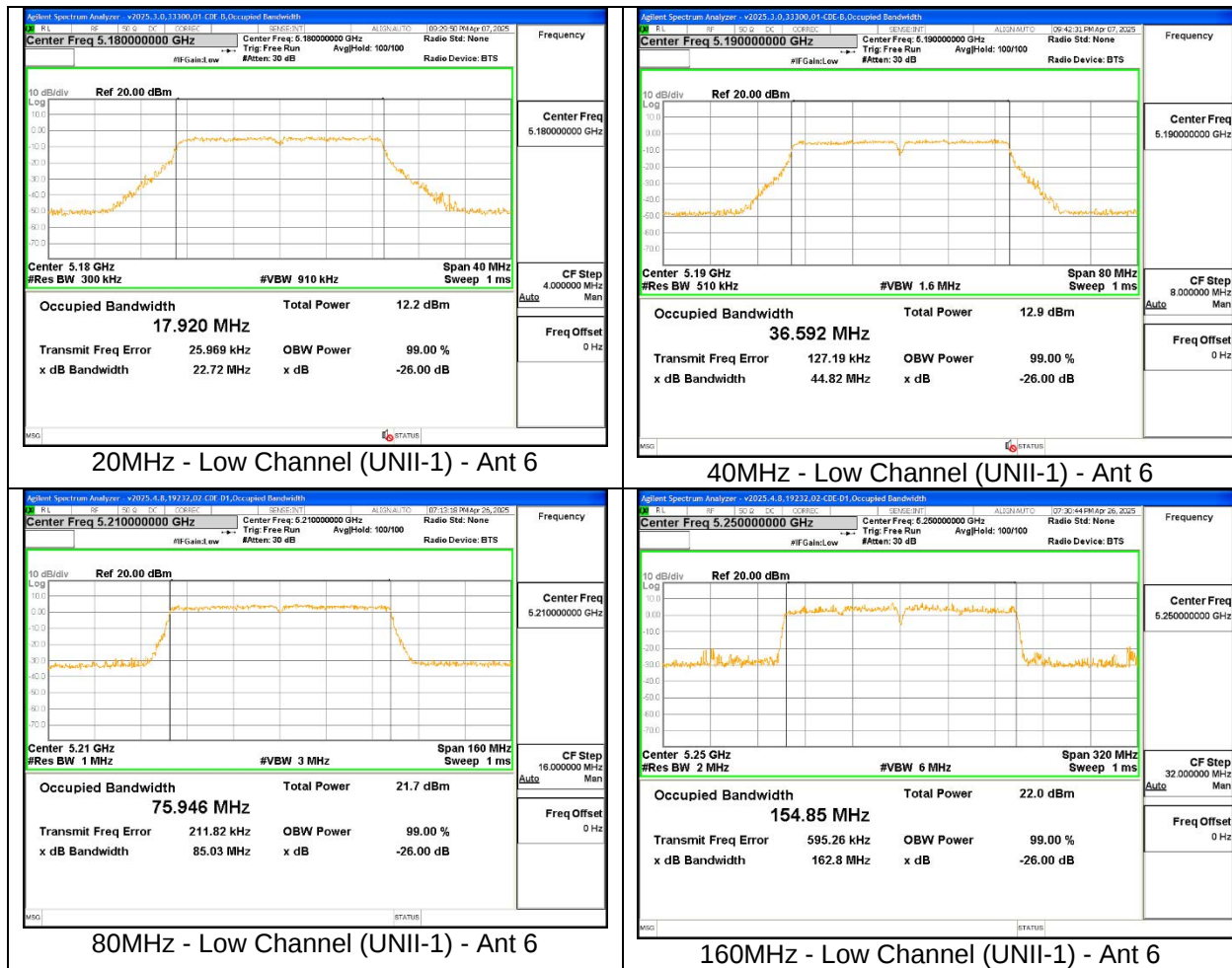
### RESULTS

Plots included in the report are representative of the method and settings parameters used for the test.

|            |                                |              |                         |
|------------|--------------------------------|--------------|-------------------------|
| <b>ID:</b> | 33300,111250,<br>112245,106033 | <b>Date:</b> | 2025-07-04 – 2025-05-22 |
|------------|--------------------------------|--------------|-------------------------|

### 9.2.1. 802.11n/ac SISO MODE IN THE UNII-1 BAND

| UNII-1<br>(SISO) | Frequency<br>(MHz) | Channel<br>Number | 26 dB<br>Bandwidth<br>(MHz) |        | 99%<br>Bandwidth<br>(MHz) |         |
|------------------|--------------------|-------------------|-----------------------------|--------|---------------------------|---------|
|                  |                    |                   | Ant 6                       | Ant 5  | Ant 6                     | Ant 5   |
| HT20<br>(FCC)    | 5180               | 36                | 22.72                       | 21.72  | 17.920                    | 17.829  |
|                  | 5200               | 40                | 22.35                       | 21.91  | 17.934                    | 17.821  |
|                  | 5240               | 48                | 22.25                       | 21.90  | 17.989                    | 17.763  |
| HT40<br>(FCC)    | 5190               | 38                | 44.82                       | 42.62  | 36.592                    | 36.401  |
|                  | 5230               | 46                | 44.29                       | 42.87  | 36.687                    | 36.359  |
| VHT80<br>(FCC)   | 5210               | 42                | 85.03                       | 85.26  | 75.946                    | 75.866  |
| VHT160<br>(FCC)  | 5250<br>(Straddle) | 50                | 162.80                      | 162.50 | 154.850                   | 154.910 |



**9.2.2. 802.11n/ac MIMO CDD MODE IN THE UNII-1 BAND**

| UNII-1<br>(MIMO<br>CDD) | Frequency<br>(MHz) | Channel<br>Number | 26 dB<br>Bandwidth<br>(MHz) |        |        | 99%<br>Bandwidth<br>(MHz) |         |        |
|-------------------------|--------------------|-------------------|-----------------------------|--------|--------|---------------------------|---------|--------|
|                         |                    |                   | Ant 6                       | Ant 5  | Min BW | Ant 6                     | Ant 5   | Min BW |
| <b>HT20<br/>(FCC)</b>   | 5180               | 36                | 22.20                       | 21.57  | --     | 17.969                    | 17.822  | --     |
|                         | 5200               | 40                | 22.46                       | 22.11  | --     | 17.937                    | 17.823  | --     |
|                         | 5240               | 48                | 22.70                       | 21.87  | --     | 17.954                    | 17.797  | --     |
| <b>HT40<br/>(FCC)</b>   | 5190               | 38                | 43.93                       | 42.39  | --     | 36.579                    | 36.484  | --     |
|                         | 5230               | 46                | 44.04                       | 42.42  | --     | 36.619                    | 36.446  | --     |
| <b>VHT80<br/>(FCC)</b>  | 5210               | 42                | 85.12                       | 83.43  | --     | 75.990                    | 75.868  | --     |
| <b>VHT160<br/>(FCC)</b> | 5250<br>(Straddle) | 50                | 162.70                      | 162.80 | --     | 155.030                   | 154.410 | --     |

**9.2.3. 802.11n/ac SISO MODE IN THE UNII-2A BAND**

| UNII-2A<br>(SISO) | Frequency<br>(MHz) | Channel<br>Number | 26 dB<br>Bandwidth<br>(MHz) |        | 99%<br>Bandwidth<br>(MHz) |         |
|-------------------|--------------------|-------------------|-----------------------------|--------|---------------------------|---------|
|                   |                    |                   | Ant 6                       | Ant 5  | Ant 6                     | Ant 5   |
| HT20              | 5260               | 52                | 22.56                       | 21.60  | 17.902                    | 17.792  |
|                   | 5300               | 60                | 22.83                       | 22.07  | 17.962                    | 17.784  |
|                   | 5320               | 64                | 22.61                       | 21.54  | 17.885                    | 17.791  |
| HT40              | 5270               | 54                | 44.04                       | 42.21  | 36.564                    | 36.415  |
|                   | 5310               | 62                | 44.44                       | 42.76  | 36.726                    | 36.446  |
| VHT80             | 5290               | 58                | 84.77                       | 85.14  | 76.124                    | 75.982  |
| VHT160            | 5250<br>(Straddle) | 50                | 162.80                      | 162.50 | 154.850                   | 154.910 |

**9.2.4. 802.11n/ac MIMO CDD MODE IN THE UNII-2A BAND**

| UNII-2A<br>(MIMO<br>CDD) | Frequency<br>(MHz) | Channel<br>Number | 26 dB<br>Bandwidth<br>(MHz) |        |        | 99%<br>Bandwidth<br>(MHz) |          |          |
|--------------------------|--------------------|-------------------|-----------------------------|--------|--------|---------------------------|----------|----------|
|                          |                    |                   | Ant 6                       | Ant 5  | Min BW | Ant 6                     | Ant 5    | Min BW   |
| HT20                     | 5260               | 52                | 22.35                       | 22.06  | 22.06  | 17.9400                   | 17.8200  | 17.82    |
|                          | 5300               | 60                | 22.58                       | 21.49  | 21.49  | 17.9280                   | 17.8030  | 17.80    |
|                          | 5320               | 64                | 22.39                       | 21.65  | 21.65  | 17.8910                   | 17.8370  | 17.84    |
| HT40                     | 5270               | 54                | 44.71                       | 43.15  | 43.15  | 36.6910                   | 36.4450  | 36.4450  |
|                          | 5310               | 62                | 43.91                       | 42.22  | 42.22  | 36.6600                   | 36.4720  | 36.4720  |
| VHT80                    | 5290               | 58                | 85.49                       | 83.94  | 83.94  | 76.2070                   | 75.8950  | 75.8950  |
| VHT160                   | 5250<br>(Straddle) | 50                | 162.70                      | 162.80 | 162.70 | 155.0300                  | 154.4100 | 154.4100 |

**9.2.5. 802.11n/ac SISO MODE IN THE UNII-2C BAND**

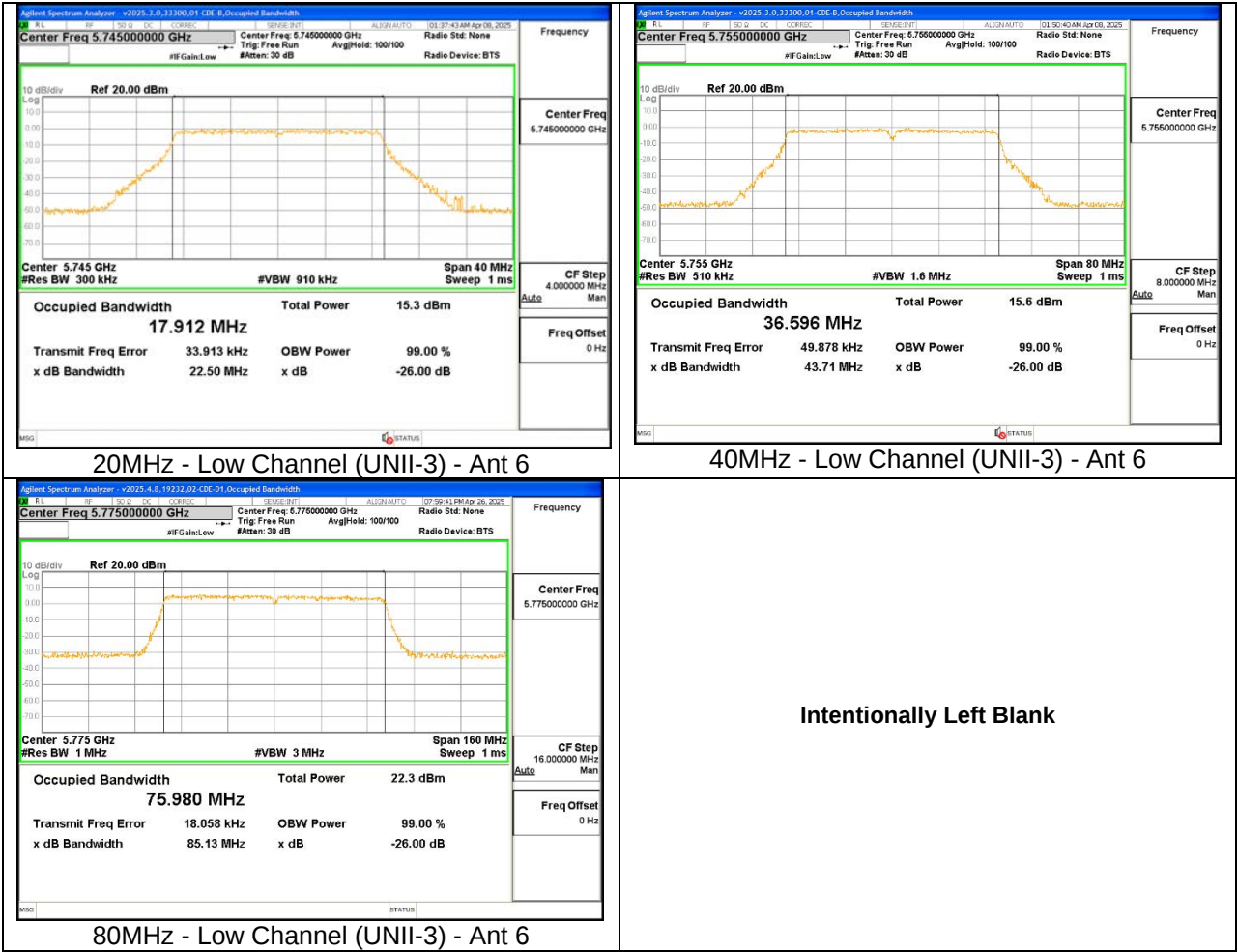
| UNII-2C<br>(SISO) | Frequency<br>(MHz) | Channel<br>Number | 26 dB<br>Bandwidth<br>(MHz) |        | 99%<br>Bandwidth<br>(MHz) |          |
|-------------------|--------------------|-------------------|-----------------------------|--------|---------------------------|----------|
|                   |                    |                   | Ant 6                       | Ant 5  | Ant 6                     | Ant 5    |
| <b>HT20</b>       | 5500               | 100               | 22.40                       | 21.11  | 17.9870                   | 17.8220  |
|                   | 5580               | 116               | 22.36                       | 21.65  | 17.9000                   | 17.7980  |
|                   | 5700               | 140               | 22.50                       | 21.43  | 17.9690                   | 17.7900  |
|                   | 5720<br>(Straddle) | 144               | 22.81                       | 22.01  | 17.9440                   | 17.8320  |
| <b>HT40</b>       | 5510               | 102               | 44.81                       | 42.26  | 36.5600                   | 36.4270  |
|                   | 5550               | 110               | 44.14                       | 42.13  | 36.5500                   | 36.4250  |
|                   | 5670               | 134               | 44.42                       | 41.85  | 36.7510                   | 36.4410  |
|                   | 5710<br>(Straddle) | 142               | 44.03                       | 42.10  | 36.4950                   | 36.3930  |
| <b>VHT80</b>      | 5530               | 106               | 85.35                       | 84.75  | 75.9600                   | 76.0940  |
|                   | 5610               | 122               | 84.73                       | 85.05  | 75.9960                   | 76.0010  |
|                   | 5690<br>(Straddle) | 138               | 84.70                       | 85.04  | 76.0000                   | 75.9940  |
| <b>VHT160</b>     | 5570               | 114               | 163.30                      | 163.10 | 155.0000                  | 154.7200 |

**9.2.6. 802.11n/ac MIMO CDD MODE IN THE UNII-2C BAND**

| UNII-2C<br>(MIMO<br>CDD) | Frequency<br>(MHz) | Channel<br>Number | 26 dB<br>Bandwidth<br>(MHz) |        |        | 99%<br>Bandwidth<br>(MHz) |          |          |
|--------------------------|--------------------|-------------------|-----------------------------|--------|--------|---------------------------|----------|----------|
|                          |                    |                   | Ant 6                       | Ant 5  | Min BW | Ant 6                     | Ant 5    | Min BW   |
| <b>HT20</b>              | 5500               | 100               | 22.26                       | 22.07  | 22.07  | 17.9550                   | 17.7790  | 17.78    |
|                          | 5580               | 116               | 22.84                       | 21.94  | 21.94  | 17.9630                   | 17.8240  | 17.82    |
|                          | 5700               | 140               | 22.74                       | 21.76  | 21.76  | 17.9620                   | 17.8280  | 17.83    |
|                          | 5720<br>(Straddle) | 144               | 22.44                       | 21.58  | 21.58  | 17.9000                   | 17.8820  | 17.88    |
| <b>HT40</b>              | 5510               | 102               | 44.15                       | 42.13  | 42.13  | 36.5650                   | 36.4690  | 36.4690  |
|                          | 5550               | 110               | 44.34                       | 42.53  | 42.53  | 36.6970                   | 36.5040  | 36.5040  |
|                          | 5670               | 134               | 44.30                       | 42.84  | 42.84  | 36.6950                   | 36.4430  | 36.4430  |
|                          | 5710<br>(Straddle) | 142               | 43.54                       | 42.33  | 42.33  | 36.5830                   | 36.3880  | 36.3880  |
| <b>VHT80</b>             | 5530               | 106               | 84.86                       | 83.88  | 83.88  | 76.0440                   | 75.8740  | 75.8740  |
|                          | 5610               | 122               | 84.74                       | 82.75  | 82.75  | 76.0060                   | 75.8730  | 75.8730  |
|                          | 5690<br>(Straddle) | 138               | 84.52                       | 83.14  | 83.14  | 75.9380                   | 75.9680  | 75.9380  |
| <b>VHT160</b>            | 5570               | 114               | 163.20                      | 163.10 | 163.10 | 155.0500                  | 154.8000 | 154.8000 |

**9.2.7. 802.11n/ac SISO MODE IN THE UNII-3 BAND**

| UNII-3<br>(SISO) | Frequency<br>(MHz) | Channel<br>Number | 26 dB<br>Bandwidth<br>(MHz) |       | 99%<br>Bandwidth<br>(MHz) |         |
|------------------|--------------------|-------------------|-----------------------------|-------|---------------------------|---------|
|                  |                    |                   | Ant 6                       | Ant 5 | Ant 6                     | Ant 5   |
| HT20             | 5745               | 149               | 22.50                       | 22.12 | 17.9120                   | 17.7850 |
|                  | 5785               | 157               | 23.08                       | 21.70 | 17.9350                   | 17.8000 |
|                  | 5825               | 165               | 22.91                       | 21.88 | 17.9240                   | 17.8210 |
| HT40             | 5755               | 151               | 43.71                       | 42.51 | 36.5960                   | 36.5020 |
|                  | 5795               | 159               | 43.15                       | 42.41 | 36.5890                   | 36.4260 |
| VHT80            | 5775               | 155               | 85.13                       | 85.43 | 75.9800                   | 75.9910 |

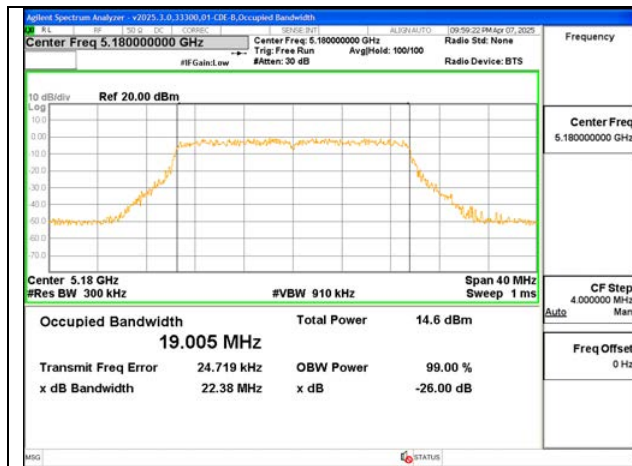


**9.2.8. 802.11n/ac MIMO CDD MODE IN THE UNII-3 BAND**

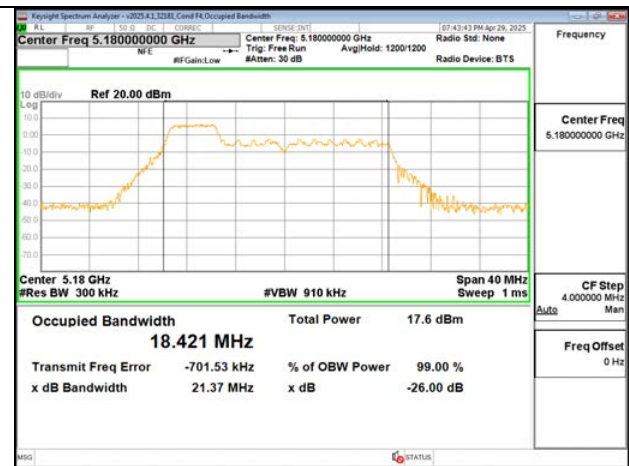
| UNII-3<br>(MIMO<br>CDD) | Frequency<br>(MHz) | Channel<br>Number | 26 dB<br>Bandwidth<br>(MHz) |       | 99%<br>Bandwidth<br>(MHz) |         |
|-------------------------|--------------------|-------------------|-----------------------------|-------|---------------------------|---------|
|                         |                    |                   | Ant 6                       | Ant 5 | Ant 6                     | Ant 5   |
| HT20                    | 5745               | 149               | 22.62                       | 21.99 | 17.8990                   | 17.8340 |
|                         | 5785               | 157               | 22.27                       | 22.34 | 17.9760                   | 17.8410 |
|                         | 5825               | 165               | 22.61                       | 22.23 | 17.9330                   | 17.8350 |
| HT40                    | 5755               | 151               | 43.55                       | 42.86 | 36.5540                   | 36.4430 |
|                         | 5795               | 159               | 44.20                       | 42.77 | 36.7050                   | 36.5000 |
| VHT80                   | 5775               | 155               | 85.68                       | 82.98 | 76.0410                   | 75.9480 |

### 9.2.9. 802.11be SISO MODE IN THE UNII-1 BAND

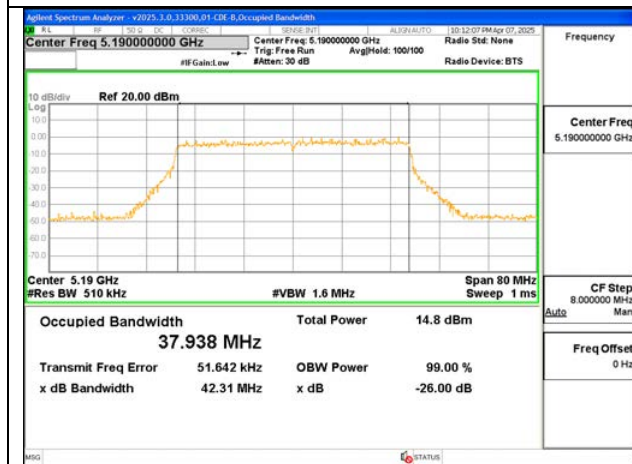
| UNII-1<br>(SISO) | Frequency<br>(MHz) | Channel<br>Number | Tone | RU<br>Index | 26 dB<br>Bandwidth<br>(MHz) |        | 99%<br>Bandwidth<br>(MHz) |          |
|------------------|--------------------|-------------------|------|-------------|-----------------------------|--------|---------------------------|----------|
|                  |                    |                   |      |             | Ant 6                       | Ant 5  | Ant 6                     | Ant 5    |
| EHT20            | 5180               | 36                | SU   | --          | 22.38                       | 21.96  | 19.0050                   | 19.0590  |
|                  |                    |                   | 52T  | 37          | 21.37                       | 21.15  | 18.4210                   | 18.4610  |
|                  |                    |                   |      | 38          | 18.87                       | 18.80  | 17.0080                   | 17.0120  |
|                  |                    |                   |      | 40          | 20.75                       | 18.77  | 18.2500                   | 18.2900  |
|                  | 5200               | 40                | SU   | --          | 22.07                       | 22.12  | 19.0040                   | 19.0000  |
|                  |                    |                   | 52T  | 37          | 21.18                       | 21.21  | 18.3930                   | 18.4160  |
|                  |                    |                   |      | 38          | 18.88                       | 18.85  | 16.9940                   | 17.0160  |
|                  |                    |                   |      | 40          | 20.79                       | 20.71  | 18.2400                   | 18.2200  |
|                  | 5240               | 48                | SU   | --          | 22.26                       | 22.23  | 18.9660                   | 19.0310  |
|                  |                    |                   | 52T  | 37          | 21.19                       | 21.29  | 18.4390                   | 18.4350  |
|                  |                    |                   |      | 38          | 18.77                       | 18.98  | 16.8190                   | 16.9930  |
|                  |                    |                   |      | 40          | 20.86                       | 20.62  | 18.3000                   | 18.2800  |
| EHT40            | 5190               | 38                | SU   | --          | 42.31                       | 43.33  | 37.9380                   | 37.9790  |
|                  |                    |                   | 242T | 61          | 23.40                       | 23.06  | 19.0990                   | 19.1110  |
|                  |                    |                   |      | 62          | 23.65                       | 23.10  | 19.1310                   | 19.2320  |
|                  |                    |                   | 52T  | 37          | 21.53                       | 21.48  | 18.2830                   | 18.4050  |
|                  |                    |                   |      | 41          | 21.88                       | 21.84  | 18.7780                   | 18.8970  |
|                  |                    |                   |      | 44          | 20.65                       | 21.06  | 18.3010                   | 18.2510  |
|                  | 5230               | 46                | SU   | --          | 43.49                       | 42.55  | 37.9130                   | 37.9300  |
|                  |                    |                   | 242T | 61          | 23.75                       | 23.42  | 18.1820                   | 18.0640  |
|                  |                    |                   |      | 62          | 23.38                       | 23.47  | 19.0770                   | 19.0810  |
|                  |                    |                   | 52T  | 37          | 22.09                       | 21.88  | 18.3410                   | 18.3390  |
|                  |                    |                   |      | 41          | 21.73                       | 21.52  | 18.8920                   | 18.9180  |
|                  |                    |                   |      | 44          | 20.56                       | 20.68  | 18.2680                   | 18.3210  |
| EHT80            | 5210               | 42                | SU   | --          | 83.99                       | 84.77  | 77.4550                   | 77.4320  |
|                  |                    |                   | 242T | 61          | 24.22                       | 23.20  | 19.1940                   | 19.2470  |
|                  |                    |                   |      | 62          | 23.26                       | 23.59  | 19.1660                   | 19.1360  |
|                  |                    |                   |      | 64          | 23.69                       | 23.54  | 19.3110                   | 19.2630  |
|                  |                    |                   | 52T  | 37          | 20.71                       | 21.78  | 18.3310                   | 18.4490  |
|                  |                    |                   |      | 45          | 20.09                       | 20.95  | 18.3240                   | 18.2480  |
|                  |                    |                   |      | 52          | 20.82                       | 20.88  | 18.5190                   | 18.3130  |
|                  |                    |                   |      |             |                             |        |                           |          |
| EHT160           | 5250<br>(Straddle) | 50                | SU   | --          | 163.70                      | 163.30 | 155.9100                  | 156.7700 |
|                  |                    |                   | 242T | 61          | 23.89                       | 24.22  | 19.3660                   | 19.4380  |
|                  |                    |                   |      | 62          | 23.37                       | 23.33  | 19.3380                   | 19.4640  |
|                  |                    |                   |      | S64         | 23.66                       | 24.01  | 19.4930                   | 19.3980  |
|                  |                    |                   | 52T  | 37          | 21.80                       | 21.85  | 18.5850                   | 18.7450  |
|                  |                    |                   |      | 52          | 21.02                       | 20.82  | 18.6060                   | 18.4480  |
|                  |                    |                   |      | S52         | 21.34                       | 21.48  | 18.5230                   | 18.3710  |
|                  |                    |                   |      |             |                             |        |                           |          |



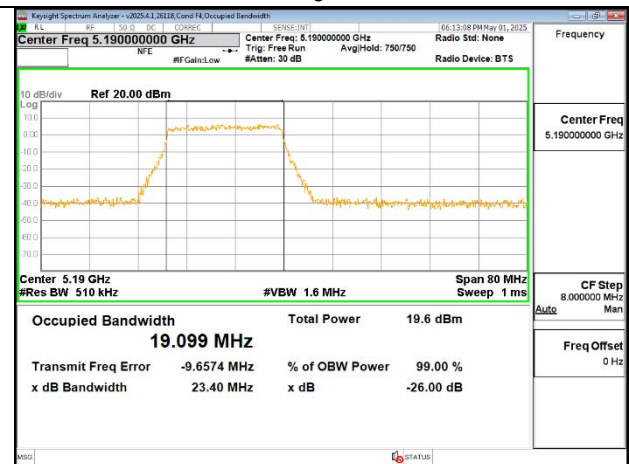
20MHz - Low Channel – SU (UNII-1) – Ant 6



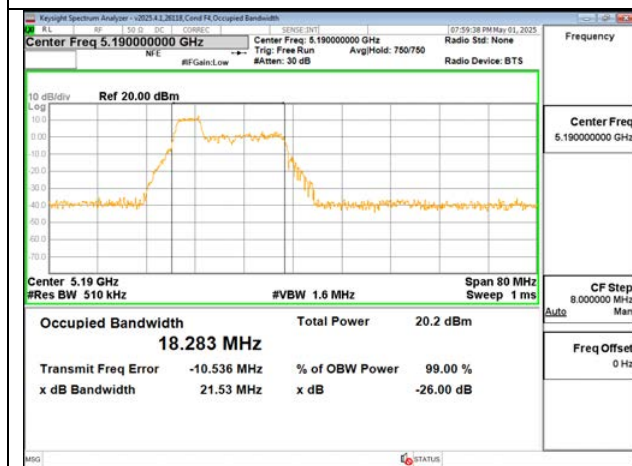
20MHz - Low Channel – 52T RU37 (UNII-1) – Ant 6



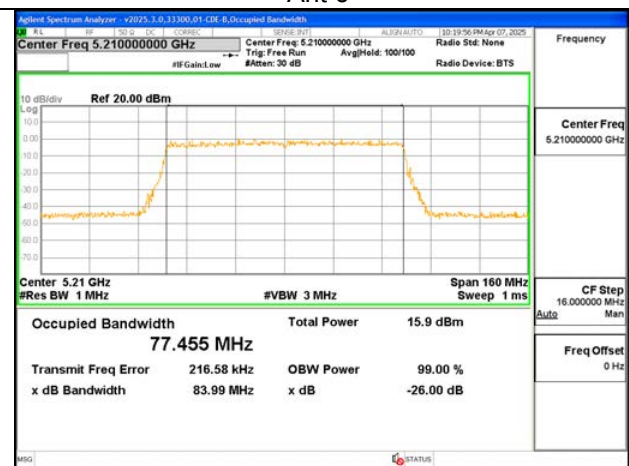
40MHz - Low Channel – SU (UNII-1) – Ant 6



40MHz - Low Channel – 242T RU61 (UNII-1) – Ant 6



40MHz - Low Channel – 52T RU37 (UNII-1) – Ant 6



80MHz - Low Channel – SU (UNII-1) – Ant 6

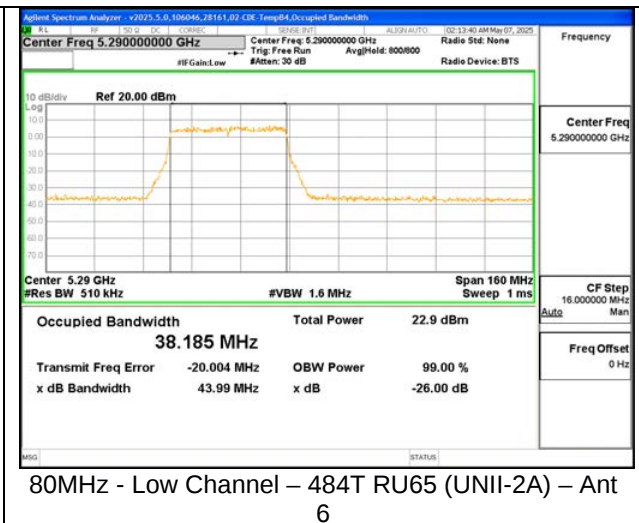
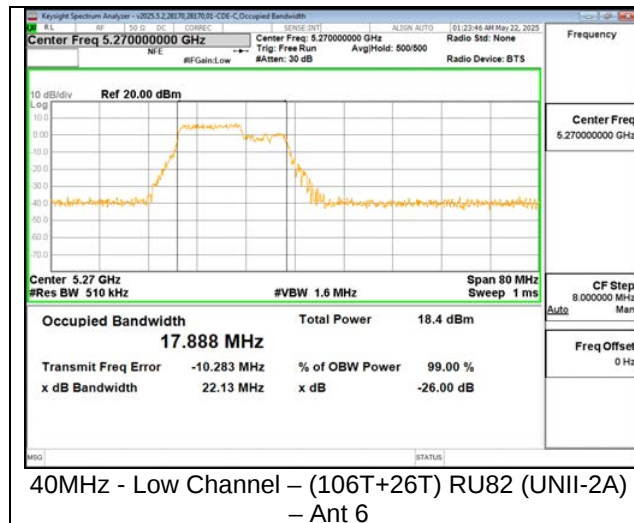


**9.2.10. 802.11be MIMO CDD MODE IN THE UNII-1 BAND**

| UNII-1<br>(MIMO<br>CDD) | Frequency<br>(MHz) | Channel<br>Number | Tone | RU<br>Index | 26 dB<br>Bandwidth<br>(MHz) |       |        | 99%<br>Bandwidth<br>(MHz) |         |        |
|-------------------------|--------------------|-------------------|------|-------------|-----------------------------|-------|--------|---------------------------|---------|--------|
|                         |                    |                   |      |             | Ant 6                       | Ant 5 | Min BW | Ant 6                     | Ant 5   | Min BW |
| EHT20<br>(FCC)          | 5180               | 36                | SU   | --          | 22.33                       | 22.58 | --     | 19.0360                   | 18.9790 | --     |
|                         |                    |                   | 52T  | 37          | 21.24                       | 20.86 | --     | 18.3640                   | 18.2360 | --     |
|                         |                    |                   |      | 38          | 18.81                       | 18.37 | --     | 16.9360                   | 16.8590 | --     |
|                         |                    |                   |      | 40          | 20.71                       | 20.58 | --     | 18.2900                   | 18.1200 | --     |
|                         | 5200               | 40                | SU   | --          | 22.51                       | 22.13 | --     | 19.0280                   | 18.9660 | --     |
|                         |                    |                   | 52T  | 37          | 21.24                       | 20.48 | --     | 18.4510                   | 18.2200 | --     |
|                         |                    |                   |      | 38          | 18.86                       | 18.41 | --     | 16.9990                   | 16.8550 | --     |
|                         |                    |                   |      | 40          | 20.22                       | 20.28 | --     | 18.1600                   | 18.1000 | --     |
|                         | 5240               | 48                | SU   | --          | 22.21                       | 22.28 | --     | 19.0570                   | 18.9970 | --     |
|                         |                    |                   | 52T  | 37          | 21.26                       | 20.64 | --     | 18.3520                   | 18.2410 | --     |
|                         |                    |                   |      | 38          | 18.67                       | 18.37 | --     | 16.9790                   | 16.8520 | --     |
|                         |                    |                   |      | 40          | 20.97                       | 20.26 | --     | 18.2900                   | 18.1700 | --     |
| EHT40<br>(FCC)          | 5190               | 38                | SU   | --          | 43.47                       | 42.28 | --     | 37.9570                   | 37.9540 | --     |
|                         |                    |                   | 242T | 61          | 23.24                       | 22.84 | --     | 19.1370                   | 19.0610 | --     |
|                         |                    |                   |      | 62          | 23.18                       | 22.99 | --     | 19.1140                   | 19.0060 | --     |
|                         |                    |                   | 52T  | 37          | 21.72                       | 20.95 | --     | 18.3750                   | 18.2120 | --     |
|                         |                    |                   |      | 41          | 21.81                       | 20.91 | --     | 18.9080                   | 18.6460 | --     |
|                         |                    |                   |      | 44          | 20.58                       | 20.43 | --     | 18.2910                   | 18.1410 | --     |
|                         | 5230               | 46                | SU   | --          | 43.92                       | 42.98 | --     | 37.9530                   | 37.9450 | --     |
|                         |                    |                   | 242T | 61          | 24.45                       | 23.08 | --     | 19.0630                   | 19.0190 | --     |
|                         |                    |                   |      | 62          | 23.04                       | 22.72 | --     | 19.0790                   | 19.0280 | --     |
|                         |                    |                   | 52T  | 37          | 21.61                       | 20.72 | --     | 18.4180                   | 18.2390 | --     |
|                         |                    |                   |      | 41          | 21.45                       | 20.81 | --     | 18.8420                   | 18.6180 | --     |
|                         |                    |                   |      | 44          | 20.75                       | 20.65 | --     | 18.4200                   | 18.3090 | --     |
| EHT80<br>(FCC)          | 5210               | 42                | SU   | --          | 84.20                       | 83.34 | --     | 77.4010                   | 77.5420 | --     |
|                         |                    |                   | 242T | 61          | 23.40                       | 22.92 | --     | 19.3140                   | 19.2570 | --     |
|                         |                    |                   |      | 62          | 23.76                       | 23.32 | --     | 19.1780                   | 19.1300 | --     |
|                         |                    |                   |      | 64          | 23.33                       | 22.92 | --     | 19.1890                   | 19.1280 | --     |
|                         |                    |                   | 52T  | 37          | 21.15                       | 20.89 | --     | 18.3490                   | 18.2560 | --     |
|                         |                    |                   |      | 45          | 21.33                       | 20.94 | --     | 18.3450                   | 18.2310 | --     |
| EHT160<br>(FCC)         | 5250<br>(Straddle) | 50                | SU   | --          | 163.7                       | 163.6 | --     | 155.77                    | 155.83  | --     |
|                         |                    |                   | 242T | 61          | 23.4                        | 23.66 | --     | 19.346                    | 19.346  | --     |
|                         |                    |                   |      | 62          | 23.32                       | 23.08 | --     | 19.534                    | 19.302  | --     |
|                         |                    |                   |      | S64         | 23.93                       | 24.09 | --     | 19.465                    | 19.39   | --     |
|                         |                    |                   | 52T  | 37          | 21.54                       | 20.93 | --     | 18.688                    | 18.432  | --     |
|                         |                    |                   |      | 52          | 20.99                       | 20.8  | --     | 18.502                    | 18.295  | --     |
|                         |                    |                   |      | S52         | 21.19                       | 21.01 | --     | 18.412                    | 18.34   | --     |

### 9.2.11. 802.11be SISO MODE IN THE UNII-2A BAND

| UNII-2A<br>(SISO) | Frequency<br>(MHz) | Channel<br>Number | Tone      | RU<br>Index | 26 dB<br>Bandwidth<br>(MHz) |        | 99%<br>Bandwidth<br>(MHz) |          |
|-------------------|--------------------|-------------------|-----------|-------------|-----------------------------|--------|---------------------------|----------|
|                   |                    |                   |           |             | Ant 6                       | Ant 5  | Ant 6                     | Ant 5    |
| EHT20             | 5260               | 52                | SU        | --          | 22.03                       | 21.92  | 19.0680                   | 19.0110  |
|                   |                    |                   | 52T       | 37          | 21.28                       | 21.09  | 18.4770                   | 18.4160  |
|                   |                    |                   |           | 38          | 18.95                       | 19.02  | 16.9890                   | 17.0150  |
|                   |                    |                   |           | 40          | 20.58                       | 20.94  | 18.2660                   | 18.3100  |
|                   | 5300               | 60                | SU        | --          | 22.38                       | 22.01  | 19.0130                   | 19.0020  |
|                   |                    |                   | 52T       | 37          | 21.33                       | 21.00  | 18.4400                   | 18.4640  |
|                   |                    |                   |           | 38          | 18.89                       | 18.94  | 16.9980                   | 16.9810  |
|                   |                    |                   |           | 40          | 21.12                       | 20.84  | 18.2960                   | 18.2520  |
|                   | 5320               | 64                | SU        | --          | 22.27                       | 22.28  | 18.9870                   | 18.9710  |
|                   |                    |                   | 52T       | 37          | 20.89                       | 21.33  | 18.3330                   | 18.3890  |
|                   |                    |                   |           | 38          | 18.95                       | 18.86  | 17.0520                   | 16.9790  |
|                   |                    |                   |           | 40          | 20.38                       | 20.45  | 18.1820                   | 18.2640  |
| EHT40             | 5270               | 54                | SU        | --          | 43.80                       | 42.85  | 38.0010                   | 37.9480  |
|                   |                    |                   | 242T      | 61          | 23.63                       | 23.80  | 19.1940                   | 19.1000  |
|                   |                    |                   |           | 62          | 22.99                       | 23.46  | 19.0870                   | 19.1470  |
|                   |                    |                   | (106+26)T | 82          | 22.13                       | 21.55  | 17.8880                   | 18.0720  |
|                   |                    |                   |           | 84          | 22.01                       | 22.52  | 18.6630                   | 18.6180  |
|                   |                    |                   |           | 85          | 21.36                       | 21.11  | 17.9130                   | 18.0050  |
|                   | 5310               | 62                | SU        | --          | 43.32                       | 43.17  | 37.9560                   | 37.9770  |
|                   |                    |                   | 242T      | 61          | 23.07                       | 23.02  | 19.0910                   | 19.0810  |
|                   |                    |                   |           | 62          | 23.01                       | 23.05  | 19.0510                   | 19.0960  |
|                   |                    |                   | (106+26)T | 82          | 22.56                       | 22.04  | 18.0020                   | 17.9060  |
|                   |                    |                   |           | 84          | 22.67                       | 22.37  | 18.5870                   | 18.6860  |
|                   |                    |                   |           | 85          | 21.05                       | 21.41  | 17.9840                   | 17.9870  |
| EHT80             | 5290               | 58                | SU        | --          | 83.64                       | 83.02  | 77.4600                   | 77.5040  |
|                   |                    |                   | 484T      | 65          | 43.99                       | 44.38  | 38.1850                   | 38.1450  |
|                   |                    |                   |           | 66          | 44.07                       | 43.91  | 38.1120                   | 38.1140  |
|                   |                    |                   | 52T       | 37          | 20.57                       | 21.47  | 18.3730                   | 18.4660  |
|                   |                    |                   |           | 45          | 21.75                       | 20.95  | 18.4560                   | 18.3690  |
|                   |                    |                   |           | 52          | 20.95                       | 21.26  | 18.4720                   | 18.3460  |
| EHT160            | 5250<br>(Straddle) | 50                | SU        | --          | 163.70                      | 163.60 | 155.9100                  | 156.7700 |
|                   |                    |                   | 242T      | 61          | 23.89                       | 24.22  | 19.3660                   | 19.4380  |
|                   |                    |                   |           | 62          | 23.37                       | 23.33  | 19.3380                   | 19.4640  |
|                   |                    |                   |           | S64         | 23.66                       | 24.01  | 19.4930                   | 19.3980  |
|                   |                    |                   | 52T       | 37          | 21.80                       | 21.85  | 18.5850                   | 18.7450  |
|                   |                    |                   |           | 52          | 21.02                       | 20.82  | 18.6060                   | 18.4480  |
|                   |                    |                   |           | S52         | 21.34                       | 21.48  | 18.5230                   | 18.3710  |
|                   |                    |                   |           |             |                             |        |                           |          |

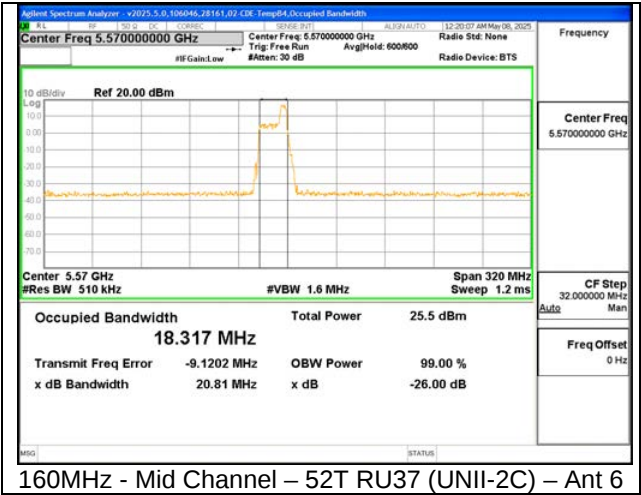


**9.2.12. 802.11be MIMO CDD MODE IN THE UNII-2A BAND**

| UNII-2A<br>(SISO) | Frequency<br>(MHz) | Channel<br>Number | Tone      | RU<br>Index | 26 dB<br>Bandwidth<br>(MHz) |        | 99%<br>Bandwidth<br>(MHz) |          |
|-------------------|--------------------|-------------------|-----------|-------------|-----------------------------|--------|---------------------------|----------|
|                   |                    |                   |           |             | Ant 6                       | Ant 5  | Ant 6                     | Ant 5    |
| EHT20             | 5260               | 52                | SU        | --          | 22.39                       | 22.11  | 18.9850                   | 18.9920  |
|                   |                    |                   | 52T       | 37          | 21.17                       | 20.41  | 18.3560                   | 18.2650  |
|                   |                    |                   |           | 38          | 18.81                       | 18.42  | 16.9190                   | 16.7840  |
|                   |                    |                   |           | 40          | 20.45                       | 20.71  | 18.2950                   | 18.2010  |
|                   | 5300               | 60                | SU        | --          | 22.26                       | 22.61  | 18.9900                   | 19.0210  |
|                   |                    |                   | 52T       | 37          | 20.99                       | 20.81  | 18.4070                   | 18.2320  |
|                   |                    |                   |           | 38          | 18.62                       | 18.41  | 16.9120                   | 16.8530  |
|                   |                    |                   |           | 40          | 21.15                       | 20.36  | 18.3520                   | 18.0820  |
|                   | 5320               | 64                | SU        | --          | 22.08                       | 21.90  | 19.0170                   | 19.0140  |
|                   |                    |                   | 52T       | 37          | 20.83                       | 20.54  | 18.3660                   | 18.2750  |
|                   |                    |                   |           | 38          | 18.94                       | 18.21  | 16.9660                   | 16.6340  |
|                   |                    |                   |           | 40          | 20.86                       | 20.36  | 18.3090                   | 18.2210  |
| EHT40             | 5270               | 54                | SU        | --          | 43.35                       | 42.34  | 37.8770                   | 37.9190  |
|                   |                    |                   | 242T      | 61          | 23.42                       | 23.19  | 19.1500                   | 19.0630  |
|                   |                    |                   |           | 62          | 23.46                       | 23.04  | 19.0730                   | 19.0420  |
|                   |                    |                   | (106+26)T | 82          | 22.34                       | 21.20  | 18.1170                   | 17.8660  |
|                   |                    |                   |           | 84          | 22.35                       | 21.45  | 18.5920                   | 18.3380  |
|                   |                    |                   |           | 85          | 21.82                       | 20.80  | 18.0430                   | 17.8980  |
|                   | 5310               | 62                | SU        | --          | 43.00                       | 42.89  | 37.9410                   | 37.9700  |
|                   |                    |                   | 242T      | 61          | 23.67                       | 23.33  | 19.0810                   | 19.0720  |
|                   |                    |                   |           | 62          | 23.24                       | 22.69  | 19.0530                   | 19.1210  |
|                   |                    |                   | (106+26)T | 82          | 22.52                       | 21.16  | 18.0510                   | 17.9000  |
|                   |                    |                   |           | 84          | 23.19                       | 21.43  | 18.5450                   | 18.4240  |
|                   |                    |                   |           | 85          | 21.39                       | 20.78  | 18.0140                   | 17.9930  |
| EHT80             | 5290               | 58                | SU        | --          | 84.05                       | 83.81  | 77.5180                   | 77.4010  |
|                   |                    |                   | 484T      | 65          | 44.06                       | 43.56  | 38.1440                   | 38.0660  |
|                   |                    |                   |           | 66          | 44.38                       | 43.52  | 38.2110                   | 38.1190  |
|                   |                    |                   | 52T       | 37          | 20.76                       | 20.48  | 18.4130                   | 18.2190  |
|                   |                    |                   |           | 45          | 21.70                       | 20.83  | 18.3490                   | 18.0310  |
|                   |                    |                   |           | 52          | 20.91                       | 20.93  | 18.3880                   | 18.1980  |
| EHT160            | 5250<br>(Straddle) | 50                | SU        | --          | 163.70                      | 163.60 | 155.7700                  | 155.8300 |
|                   |                    |                   | 242T      | 61          | 23.40                       | 23.66  | 19.3460                   | 19.3460  |
|                   |                    |                   |           | 62          | 23.32                       | 23.08  | 19.5340                   | 19.3020  |
|                   |                    |                   |           | S64         | 23.93                       | 24.09  | 19.4650                   | 19.3900  |
|                   |                    |                   | 52T       | 37          | 21.54                       | 20.93  | 18.6880                   | 18.4320  |
|                   |                    |                   |           | 52          | 20.99                       | 20.80  | 18.5020                   | 18.2950  |
|                   |                    |                   |           | S52         | 21.19                       | 21.01  | 18.4120                   | 18.3400  |
|                   |                    |                   |           |             |                             |        |                           |          |

**9.2.13. 802.11be SISO MODE IN THE UNII-2C BAND**

| UNII-2C (SISO) | Frequency (MHz) | Channel Number | Tone      | RU Index | 26 dB Bandwidth (MHz) |        | 99% Bandwidth (MHz) |          |
|----------------|-----------------|----------------|-----------|----------|-----------------------|--------|---------------------|----------|
|                |                 |                |           |          | Ant 6                 | Ant 5  | Ant 6               | Ant 5    |
| EHT20          | 5500            | 100            | SU        | --       | 22.13                 | 21.75  | 19.0150             | 18.9880  |
|                |                 |                | 52T       | 37       | 21.17                 | 21.13  | 18.4370             | 18.4120  |
|                |                 |                |           | 38       | 18.90                 | 18.91  | 17.0510             | 17.0470  |
|                |                 |                |           | 40       | 20.73                 | 20.60  | 18.2210             | 18.1790  |
|                | 5580            | 116            | SU        | --       | 22.20                 | 21.95  | 19.0080             | 18.9850  |
|                |                 |                | 52T       | 37       | 20.91                 | 20.85  | 18.3820             | 18.3900  |
|                |                 |                |           | 38       | 18.98                 | 18.95  | 16.9440             | 16.9730  |
|                |                 |                |           | 40       | 20.40                 | 20.69  | 18.1930             | 18.2660  |
|                | 5700            | 140            | SU        | --       | 22.04                 | 21.89  | 18.9760             | 18.9800  |
|                |                 |                | 52T       | 37       | 21.15                 | 21.08  | 18.4200             | 18.3740  |
|                |                 |                |           | 38       | 18.80                 | 18.80  | 17.0260             | 16.9410  |
|                |                 |                |           | 40       | 20.76                 | 20.84  | 18.2780             | 18.2350  |
|                | 5720 (Straddle) | 144            | SU        | --       | 22.48                 | 21.93  | 18.9940             | 19.0470  |
|                |                 |                | 52T       | 37       | 21.07                 | 20.71  | 18.3790             | 18.3970  |
|                |                 |                |           | 38       | 18.85                 | 18.84  | 16.9690             | 16.9470  |
|                |                 |                |           | 40       | 20.97                 | 20.71  | 18.2730             | 18.3340  |
| EHT40          | 5510            | 102            | SU        | --       | 43.50                 | 43.19  | 37.9910             | 37.9260  |
|                |                 |                | 242T      | 61       | 23.65                 | 23.21  | 19.1180             | 19.2070  |
|                |                 |                |           | 62       | 23.47                 | 23.50  | 19.1280             | 19.1090  |
|                |                 |                | (106+26)T | 82       | 21.77                 | 21.82  | 18.0530             | 18.0560  |
|                |                 |                |           | 84       | 22.14                 | 22.02  | 18.4960             | 17.9410  |
|                |                 |                |           | 85       | 21.35                 | 21.29  | 18.0250             | 18.0360  |
|                | 5550            | 110            | SU        | --       | 43.91                 | 43.33  | 38.0300             | 37.8620  |
|                |                 |                | 242T      | 61       | 22.96                 | 23.64  | 19.0910             | 19.1250  |
|                |                 |                |           | 62       | 23.02                 | 23.15  | 19.0590             | 19.0860  |
|                |                 |                | (106+26)T | 82       | 21.94                 | 22.01  | 17.9470             | 18.0630  |
|                |                 |                |           | 84       | 22.40                 | 22.75  | 18.5870             | 18.6550  |
|                |                 |                |           | 85       | 20.91                 | 20.79  | 17.9360             | 17.8760  |
|                | 5670            | 134            | SU        | --       | 42.59                 | 42.44  | 37.9620             | 37.9650  |
|                |                 |                | 242T      | 61       | 23.65                 | 23.35  | 19.1440             | 19.1410  |
|                |                 |                |           | 62       | 23.25                 | 23.29  | 19.0790             | 19.0940  |
|                |                 |                | (106+26)T | 82       | 21.91                 | 21.91  | 18.0420             | 18.0290  |
|                |                 |                |           | 84       | 22.11                 | 22.46  | 18.1410             | 18.7400  |
|                |                 |                |           | 85       | 21.03                 | 21.41  | 17.9930             | 18.0070  |
|                | 5710 (Straddle) | 142            | SU        | --       | 43.30                 | 43.40  | 38.0220             | 37.9700  |
|                |                 |                | 242T      | 61       | 23.43                 | 23.73  | 19.1060             | 19.1310  |
|                |                 |                |           | 62       | 23.48                 | 23.16  | 19.1200             | 19.0610  |
|                |                 |                | (106+26)T | 82       | 22.68                 | 22.29  | 18.1260             | 18.0260  |
|                |                 |                |           | 84       | 21.75                 | 22.69  | 18.6590             | 18.5850  |
|                |                 |                |           | 85       | 21.31                 | 21.32  | 17.9540             | 18.0060  |
| EHT80          | 5530            | 106            | SU        | --       | 84.52                 | 83.54  | 77.4860             | 77.3100  |
|                |                 |                | 484T      | 65       | 43.59                 | 43.56  | 38.1650             | 38.1310  |
|                |                 |                |           | 66       | 43.94                 | 44.04  | 38.1000             | 38.2070  |
|                |                 |                | 52T       | 37       | 21.42                 | 21.29  | 18.4360             | 18.4390  |
|                |                 |                |           | 45       | 20.45                 | 20.70  | 18.3620             | 18.2030  |
|                |                 |                |           | 52       | 20.85                 | 21.11  | 18.5040             | 18.5110  |
|                | 5610            | 122            | SU        | --       | 83.12                 | 84.31  | 77.4070             | 77.4000  |
|                |                 |                | 484T      | 65       | 44.17                 | 44.13  | 38.1560             | 38.1550  |
|                |                 |                |           | 66       | 44.15                 | 44.09  | 38.1670             | 38.2400  |
|                |                 |                | 52T       | 37       | 20.67                 | 20.61  | 18.1190             | 18.2690  |
|                |                 |                |           | 45       | 20.68                 | 21.08  | 18.2820             | 18.3530  |
|                |                 |                |           | 52       | 21.14                 | 20.68  | 18.5600             | 18.2230  |
|                | 5690 (Straddle) | 138            | SU        | --       | 84.57                 | 83.01  | 77.4880             | 77.3610  |
|                |                 |                | 484T      | 65       | 44.63                 | 44.02  | 38.2240             | 38.1450  |
|                |                 |                |           | 66       | 44.08                 | 43.49  | 38.1090             | 38.0860  |
|                |                 |                | 52T       | 37       | 20.97                 | 21.20  | 18.3480             | 18.5000  |
|                |                 |                |           | 45       | 21.33                 | 21.18  | 18.4990             | 18.0400  |
|                |                 |                |           | 52       | 20.85                 | 20.79  | 18.3050             | 18.3660  |
| EHT160         | 5570            | 114            | SU        | --       | 163.60                | 163.40 | 156.4000            | 156.1700 |
|                |                 |                | 242T      | 61       | 23.38                 | 23.44  | 19.4910             | 19.4210  |
|                |                 |                |           | 62       | 23.33                 | 23.74  | 19.3410             | 19.3790  |
|                |                 |                |           | S64      | 23.73                 | 24.22  | 19.3110             | 19.5630  |
|                |                 |                | 52T       | 37       | 21.40                 | 21.36  | 18.4550             | 18.5040  |
|                |                 |                |           | 52       | 20.81                 | 21.36  | 18.3170             | 18.6240  |
|                |                 |                |           | S52      | 21.18                 | 21.06  | 18.4090             | 18.5670  |

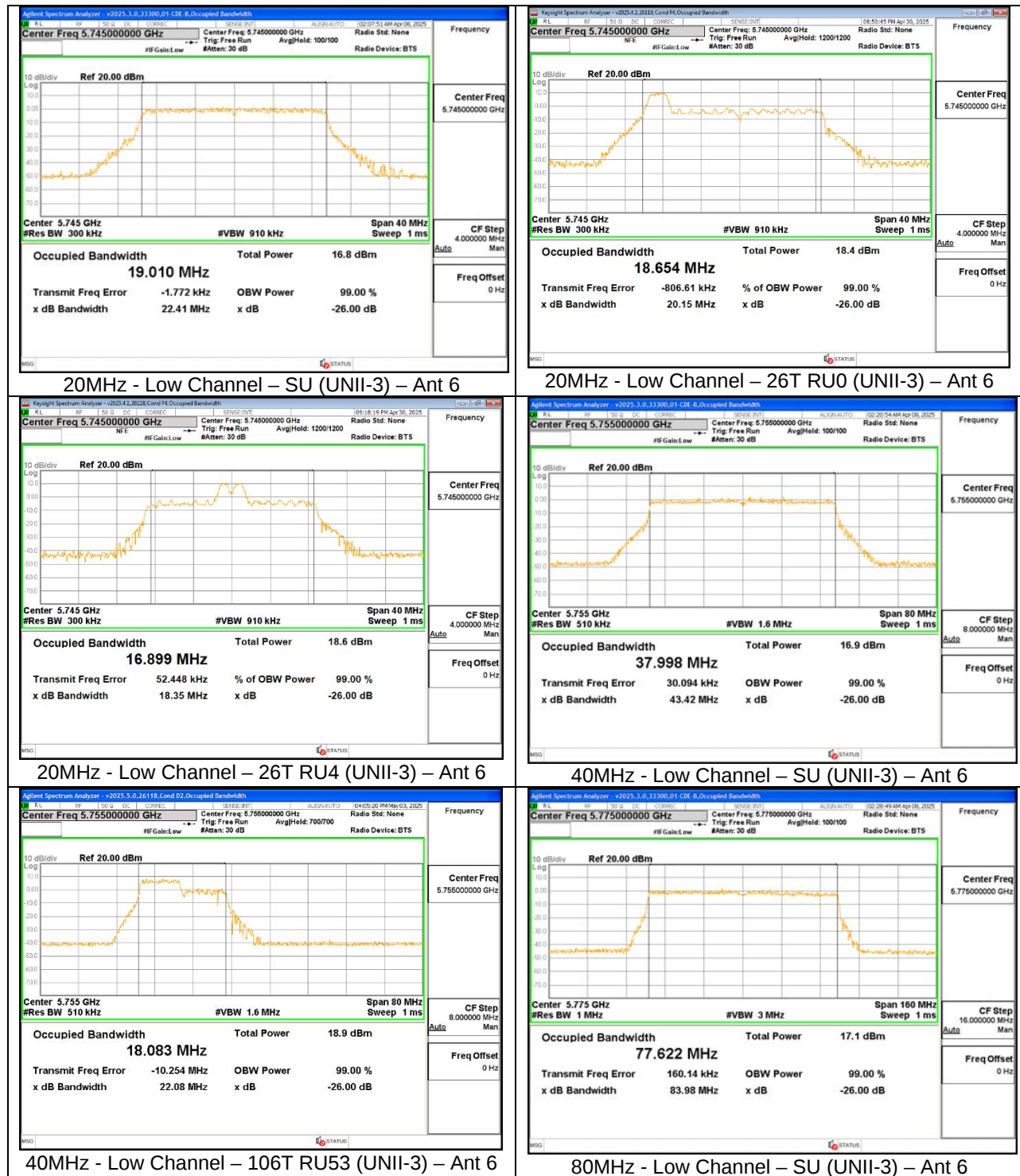


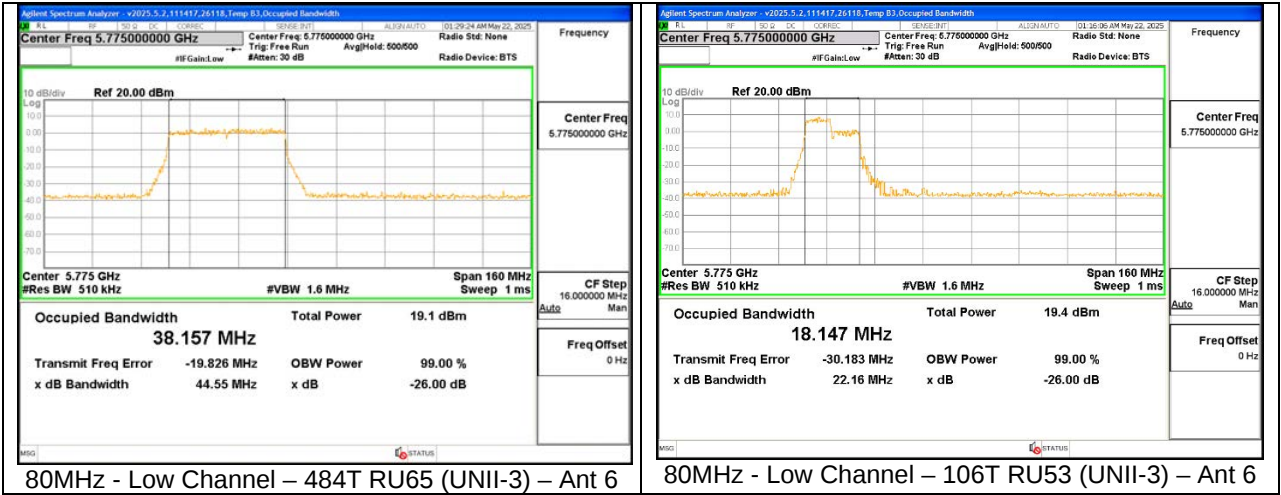
**9.2.14. 802.11be MIMO CDD MODE IN THE UNII-2C BAND**

| UNII-2C (MIMO) | Frequency (MHz) | Channel Number | Tone      | RU Index | 26 dB Bandwidth (MHz) |        |        | 99% Bandwidth (MHz) |         |         |
|----------------|-----------------|----------------|-----------|----------|-----------------------|--------|--------|---------------------|---------|---------|
|                |                 |                |           |          | Ant 6                 | Ant 5  | Min BW | Ant 6               | Ant 5   | Min BW  |
| EHT20          | 5500            | 100            | SU        | --       | 22.25                 | 22.28  | 22.25  | 19.0430             | 19.0580 | 19.0430 |
|                |                 |                | 52T       | 37       | 21.37                 | 20.44  | 20.44  | 18.4360             | 18.2640 | 18.2640 |
|                |                 |                |           | 38       | 18.98                 | 18.29  | 18.29  | 16.9920             | 16.7660 | 16.7660 |
|                |                 |                |           | 40       | 20.40                 | 20.28  | 20.28  | 18.2610             | 18.0500 | 18.0500 |
|                | 5580            | 116            | SU        | --       | 22.46                 | 22.14  | 22.14  | 19.0300             | 18.9840 | 18.9840 |
|                |                 |                | 52T       | 37       | 21.05                 | 20.67  | 20.67  | 18.3600             | 18.2720 | 18.2720 |
|                |                 |                |           | 38       | 18.95                 | 18.19  | 18.19  | 19.9560             | 16.8550 | 16.8550 |
|                |                 |                |           | 40       | 20.63                 | 20.43  | 20.43  | 18.2450             | 18.1800 | 18.1800 |
|                | 5700            | 140            | SU        | --       | 22.48                 | 22.14  | 22.14  | 19.0040             | 19.0230 | 19.0040 |
|                |                 |                | 52T       | 37       | 21.16                 | 20.71  | 20.71  | 18.3790             | 18.1740 | 18.1740 |
|                |                 |                |           | 38       | 18.87                 | 18.41  | 18.41  | 16.8460             | 16.8220 | 16.8220 |
|                |                 |                |           | 40       | 20.63                 | 20.57  | 20.57  | 18.2660             | 18.2830 | 18.2660 |
|                | 5720 (Straddle) | 144            | SU        | --       | 22.21                 | 22.38  | 22.21  | 18.9890             | 19.0110 | 18.9890 |
|                |                 |                | 52T       | 37       | 21.19                 | 20.38  | 20.38  | 18.4380             | 18.2190 | 18.2190 |
|                |                 |                |           | 38       | 18.81                 | 18.40  | 18.40  | 16.9460             | 16.9070 | 16.9070 |
|                |                 |                |           | 40       | 20.70                 | 20.47  | 20.47  | 18.3530             | 18.2060 | 18.2060 |
| EHT40          | 5510            | 102            | SU        | --       | 43.79                 | 43.47  | 43.47  | 37.9830             | 37.9300 | 37.9300 |
|                |                 |                | 242T      | 61       | 23.44                 | 23.21  | 23.21  | 19.2190             | 19.0450 | 19.0450 |
|                |                 |                |           | 62       | 22.89                 | 23.20  | 22.89  | 19.0520             | 19.0700 | 19.0520 |
|                |                 |                |           | 82       | 21.81                 | 21.18  | 21.18  | 18.0610             | 17.8670 | 17.8670 |
|                |                 |                | (106+26)T | 84       | 22.38                 | 21.44  | 21.44  | 18.5520             | 18.5230 | 18.5230 |
|                |                 |                |           | 85       | 21.55                 | 20.80  | 20.80  | 17.9930             | 17.8880 | 17.8880 |
|                | 5550            | 110            | SU        | --       | 43.52                 | 42.87  | 42.87  | 37.9770             | 38.0240 | 37.9770 |
|                |                 |                | 242T      | 61       | 23.57                 | 23.18  | 23.18  | 19.1220             | 19.0500 | 19.0500 |
|                |                 |                |           | 62       | 23.67                 | 23.15  | 23.15  | 19.1300             | 19.0770 | 19.0770 |
|                |                 |                |           | 82       | 21.56                 | 21.30  | 21.30  | 18.0240             | 17.9460 | 17.9460 |
|                |                 |                | (106+26)T | 84       | 22.40                 | 21.33  | 21.33  | 18.5510             | 18.3850 | 18.3850 |
|                |                 |                |           | 85       | 21.66                 | 20.39  | 20.39  | 17.9620             | 17.8870 | 17.8870 |
|                | 5670            | 134            | SU        | --       | 43.47                 | 43.53  | 43.47  | 37.9470             | 37.9460 | 37.9460 |
|                |                 |                | 242T      | 61       | 23.29                 | 22.90  | 22.90  | 19.1210             | 19.0410 | 19.0410 |
|                |                 |                |           | 62       | 23.47                 | 23.05  | 23.05  | 19.0390             | 19.0690 | 19.0390 |
|                |                 |                |           | 82       | 21.89                 | 21.40  | 21.40  | 17.9340             | 17.8800 | 17.8800 |
|                |                 |                | (106+26)T | 84       | 22.29                 | 21.52  | 21.52  | 18.7080             | 18.4940 | 18.4940 |
|                |                 |                |           | 85       | 21.01                 | 20.67  | 20.67  | 18.0170             | 17.9720 | 17.9720 |
|                | 5710 (Straddle) | 142            | SU        | --       | 43.72                 | 42.55  | 42.55  | 37.8620             | 37.9240 | 37.8620 |
|                |                 |                | 242T      | 61       | 23.63                 | 23.01  | 23.01  | 19.0650             | 19.0370 | 19.0370 |
|                |                 |                |           | 62       | 23.40                 | 22.83  | 22.83  | 19.1180             | 18.9990 | 18.9990 |
|                |                 |                |           | 82       | 22.08                 | 21.10  | 21.10  | 18.0000             | 17.9140 | 17.9140 |
|                |                 |                | (106+26)T | 84       | 21.70                 | 21.63  | 21.63  | 18.5670             | 18.4120 | 18.4120 |
|                |                 |                |           | 85       | 21.43                 | 20.96  | 20.96  | 18.0840             | 17.9180 | 17.9180 |
| EHT80          | 5530            | 106            | SU        | --       | 84.56                 | 83.76  | 83.76  | 77.4390             | 77.4970 | 77.4390 |
|                |                 |                | 484T      | 65       | 43.13                 | 42.67  | 42.67  | 38.148              | 38.102  | 38.102  |
|                |                 |                |           | 66       | 44.59                 | 44.10  | 44.1   | 38.117              | 38.062  | 38.062  |
|                |                 |                |           | 37       | 20.97                 | 20.13  | 20.13  | 18.2270             | 18.1540 | 18.1540 |
|                |                 |                | 52T       | 45       | 21.16                 | 20.83  | 20.83  | 18.2580             | 18.2830 | 18.2580 |
|                |                 |                |           | 52       | 20.92                 | 20.53  | 20.53  | 18.5100             | 17.9970 | 17.9970 |
|                | 5610            | 122            | SU        | --       | 84.45                 | 84.58  | 84.45  | 77.448              | 77.36   | 77.36   |
|                |                 |                | 484T      | 65       | 43.85                 | 43.52  | 43.52  | 38.207              | 38.178  | 38.178  |
|                |                 |                |           | 66       | 44.31                 | 44.00  | 44     | 38.13               | 38.15   | 38.13   |
|                |                 |                |           | 37       | 21.14                 | 20.64  | 20.64  | 18.419              | 18.007  | 18.007  |
|                |                 |                | 52T       | 45       | 21.65                 | 20.49  | 20.49  | 18.408              | 18.196  | 18.196  |
|                |                 |                |           | 52       | 21.23                 | 20.27  | 20.27  | 18.34               | 18.3    | 18.3    |
|                | 5690 (Straddle) | 138            | SU        | --       | 84.20                 | 83.32  | 83.32  | 77.414              | 77.355  | 77.355  |
|                |                 |                | 484T      | 65       | 43.72                 | 43.13  | 43.13  | 38.209              | 38.186  | 38.186  |
|                |                 |                |           | 66       | 44.39                 | 42.95  | 42.95  | 38.204              | 38.095  | 38.095  |
|                |                 |                |           | 37       | 21.25                 | 20.46  | 20.46  | 18.35               | 18.235  | 18.235  |
|                |                 |                | 52T       | 45       | 20.56                 | 20.68  | 20.56  | 18.184              | 18.048  | 18.048  |
|                |                 |                |           | 52       | 21.11                 | 20.61  | 20.61  | 18.442              | 18.395  | 18.395  |
| EHT160         | 5570            | 114            | SU        | --       | 164.10                | 163.70 | 163.7  | 156.07              | 156.52  | 156.07  |
|                |                 |                | 242T      | 61       | 23.30                 | 22.92  | 22.92  | 19.377              | 19.315  | 19.315  |
|                |                 |                |           | 62       | 23.83                 | 22.95  | 22.95  | 19.323              | 19.337  | 19.323  |
|                |                 |                |           | S64      | 23.26                 | 23.47  | 23.26  | 19.358              | 19.49   | 19.358  |
|                |                 |                | 52T       | 37       | 21.36                 | 20.85  | 20.85  | 18.595              | 18.441  | 18.441  |
|                |                 |                |           | 52       | 21.01                 | 20.91  | 20.91  | 18.328              | 18.191  | 18.191  |
|                |                 |                |           | S52      | 20.99                 | 20.80  | 20.8   | 18.534              | 18.278  | 18.278  |

**9.2.15. 802.11be SISO MODE IN THE UNII-3 BAND**

| UNII-3<br>(SISO) | Frequency<br>(MHz) | Channel<br>Number | Tone | RU<br>Index | 26 dB<br>Bandwidth<br>(MHz) |       | 99%<br>Bandwidth<br>(MHz) |         |
|------------------|--------------------|-------------------|------|-------------|-----------------------------|-------|---------------------------|---------|
|                  |                    |                   |      |             | Ant 6                       | Ant 5 | Ant 6                     | Ant 5   |
| EHT20            | 5745               | 149               | SU   | --          | 22.41                       | 22.60 | 19.0100                   | 18.9730 |
|                  |                    |                   |      | 0           | 20.15                       | 20.66 | 18.6540                   | 18.6770 |
|                  |                    |                   | 26T  | 4           | 18.35                       | 18.21 | 16.8990                   | 16.9120 |
|                  |                    |                   |      | 8           | 20.65                       | 20.49 | 18.4910                   | 18.5280 |
|                  | 5785               | 157               | SU   | --          | 22.55                       | 21.98 | 19.0320                   | 18.9990 |
|                  |                    |                   |      | 0           | 20.67                       | 20.85 | 18.6600                   | 18.5940 |
|                  |                    |                   | 26T  | 4           | 18.32                       | 18.21 | 16.9430                   | 16.8630 |
|                  |                    |                   |      | 8           | 20.50                       | 20.53 | 18.5160                   | 18.5610 |
|                  | 5825               | 165               | SU   | --          | 22.54                       | 22.22 | 19.0120                   | 19.0000 |
|                  |                    |                   |      | 0           | 20.59                       | 20.47 | 18.6770                   | 18.7440 |
|                  |                    |                   | 26T  | 4           | 18.26                       | 18.36 | 16.9010                   | 16.9440 |
|                  |                    |                   |      | 8           | 20.46                       | 20.34 | 18.5570                   | 18.5300 |
| EHT40            | 5755               | 151               | SU   | --          | 43.42                       | 43.90 | 37.9980                   | 37.9680 |
|                  |                    |                   |      | 53          | 22.08                       | 21.13 | 18.0830                   | 17.6610 |
|                  |                    |                   | 106T | 54          | 21.67                       | 21.72 | 18.6740                   | 18.5690 |
|                  |                    |                   |      | 56          | 20.78                       | 21.27 | 18.0060                   | 18.0740 |
|                  | 5795               | 159               | SU   | --          | 43.67                       | 43.26 | 37.9910                   | 37.8710 |
|                  |                    |                   |      | 53          | 21.68                       | 22.05 | 18.2050                   | 18.1950 |
|                  |                    |                   | 106T | 54          | 21.96                       | 21.13 | 18.6280                   | 18.5870 |
|                  |                    |                   |      | 56          | 21.61                       | 20.89 | 17.9770                   | 18.1050 |
| EHT80            | 5775               | 155               | SU   | --          | 83.98                       | 83.44 | 77.6220                   | 77.4480 |
|                  |                    |                   |      | 65          | 44.55                       | 43.87 | 38.157                    | 38.135  |
|                  |                    |                   | 484T | 66          | 43.94                       | 44.59 | 38.094                    | 38.173  |
|                  |                    |                   |      | 53          | 22.16                       | 22.59 | 18.1470                   | 18.0850 |
|                  |                    |                   |      | 56          | 20.79                       | 21.32 | 17.9570                   | 18.0780 |
|                  |                    |                   |      | 60          | 20.80                       | 20.90 | 18.0900                   | 18.3000 |





**9.2.16. 802.11be MIMO CDD MODE IN THE UNII-3 BAND**

| UNII-3<br>(MIMO<br>CDD) | Frequency<br>(MHz) | Channel<br>Number | Tone | RU<br>Index | 26 dB<br>Bandwidth<br>(MHz) |       | 99%<br>Bandwidth<br>(MHz) |         |
|-------------------------|--------------------|-------------------|------|-------------|-----------------------------|-------|---------------------------|---------|
|                         |                    |                   |      |             | Ant 6                       | Ant 5 | Ant 6                     | Ant 5   |
| EHT20                   | 5745               | 149               | SU   | --          | 22.18                       | 22.48 | 19.0120                   | 19.0310 |
|                         |                    |                   |      | 0           | 20.52                       | 20.39 | 18.6470                   | 18.5090 |
|                         |                    |                   | 26T  | 4           | 18.13                       | 18.20 | 16.9240                   | 16.7620 |
|                         |                    |                   |      | 8           | 20.49                       | 20.06 | 18.5860                   | 18.4160 |
|                         | 5785               | 157               | SU   | --          | 22.69                       | 21.85 | 19.0200                   | 18.9940 |
|                         |                    |                   |      | 0           | 20.74                       | 20.34 | 18.6080                   | 18.5810 |
|                         |                    |                   | 26T  | 4           | 18.14                       | 18.23 | 16.8570                   | 16.7530 |
|                         |                    |                   |      | 8           | 20.32                       | 20.27 | 18.5160                   | 18.5320 |
|                         | 5825               | 165               | SU   | --          | 22.62                       | 21.82 | 19.0320                   | 19.0010 |
|                         |                    |                   |      | 0           | 20.39                       | 20.40 | 18.6410                   | 18.4910 |
|                         |                    |                   | 26T  | 4           | 18.37                       | 18.25 | 16.9560                   | 16.7310 |
|                         |                    |                   |      | 8           | 20.48                       | 20.38 | 18.5380                   | 18.4170 |
| EHT40                   | 5755               | 151               | SU   | --          | 43.46                       | 43.15 | 37.9170                   | 37.8770 |
|                         |                    |                   |      | 53          | 21.77                       | 21.36 | 18.1760                   | 17.9400 |
|                         |                    |                   | 106T | 54          | 21.66                       | 21.24 | 18.6520                   | 18.4190 |
|                         |                    |                   |      | 56          | 21.25                       | 20.42 | 18.0640                   | 18.0520 |
|                         | 5795               | 159               | SU   | --          | 42.98                       | 42.53 | 37.9920                   | 37.9100 |
|                         |                    |                   |      | 53          | 21.94                       | 21.38 | 18.1820                   | 17.9540 |
|                         |                    |                   | 106T | 54          | 21.50                       | 21.15 | 18.6630                   | 18.5710 |
|                         |                    |                   |      | 56          | 21.47                       | 20.62 | 18.0870                   | 17.9380 |
| EHT80                   | 5775               | 155               | SU   | --          | 83.56                       | 83.81 | 77.3840                   | 77.5250 |
|                         |                    |                   |      | 65          | 44.09                       | 43.87 | 38.15                     | 38.135  |
|                         |                    |                   | 484T | 66          | 44.22                       | 44.19 | 38.184                    | 38.141  |
|                         |                    |                   |      | 53          | 21.68                       | 21.33 | 18.1230                   | 17.8800 |
|                         |                    |                   | 106T | 56          | 21.76                       | 20.61 | 18.2000                   | 18.0360 |
|                         |                    |                   |      | 60          | 20.69                       | 20.66 | 18.0200                   | 17.9240 |

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### 9.3. BANDWIDTH VERIFICATION OF CHANNEL PUNCTURING IN THE DFS BANDS

#### LIMITS

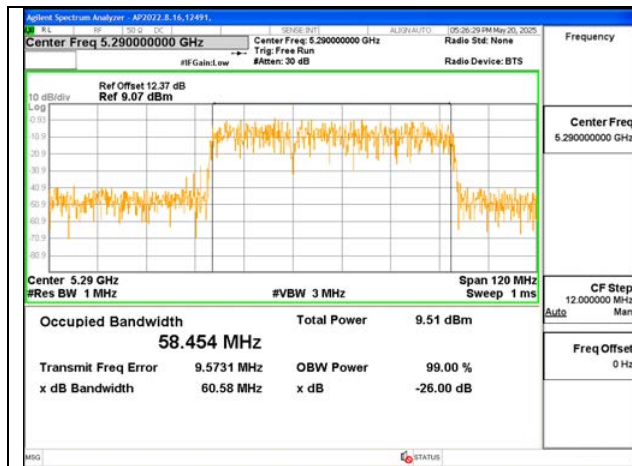
When a 20 MHz portion is punctured the remaining emissions do not bleed into the notched channel, i.e., 26 dB or 99% bandwidth is contained outside of the notched band.

#### RESULTS

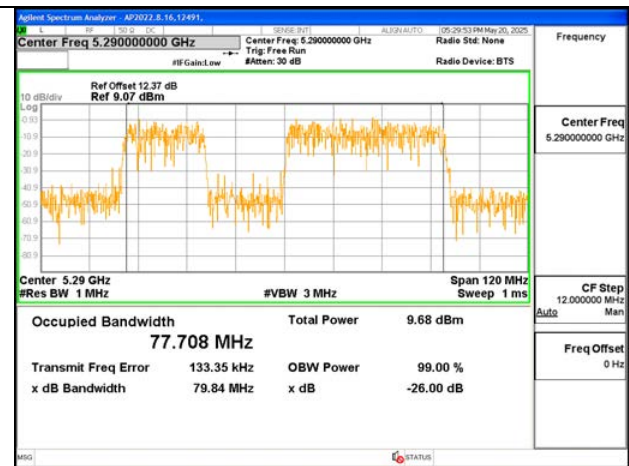
|            |       |              |            |
|------------|-------|--------------|------------|
| <b>ID:</b> | 28161 | <b>Date:</b> | 05/16/2025 |
|------------|-------|--------------|------------|

**9.3.1. 802.11be EHT80 SISO MODE**

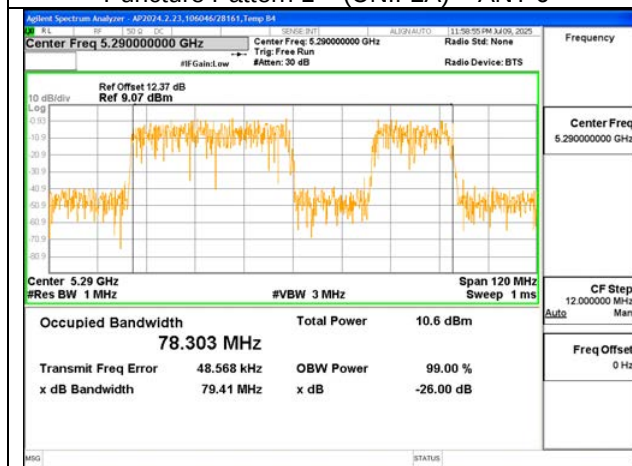
| EHT80   | SISO  | Frequency<br>(MHz) | Channel<br>Number | Tone    | Puncturing<br>Pattern | Full Channel    |        |                                                | Left<br>Bandwidth | Right<br>Bandwidth |
|---------|-------|--------------------|-------------------|---------|-----------------------|-----------------|--------|------------------------------------------------|-------------------|--------------------|
|         |       |                    |                   |         |                       | Bandwidth (MHz) |        | Chan Punc<br>>26dB?<br>Yes = Pass<br>No = Fail |                   |                    |
|         |       |                    |                   |         |                       | 26dB            | 99% BW |                                                | 99% BW (MHz)      |                    |
| UNII-2A | ANT 6 | 5290               | 58                | 484+242 | 1                     | 60.58           | 58.45  | Yes                                            |                   |                    |
|         |       |                    |                   |         | 2                     | 79.84           | 77.71  | Yes                                            | 19.31             | 37.9230            |
|         |       |                    |                   |         | 4                     | 79.41           | 78.30  | Yes                                            | 38.30             | 19.2480            |
|         |       |                    |                   |         | 8                     | 61.23           | 58.62  | Yes                                            |                   |                    |
| UNII-2C |       | 5530               | 106               | 484+242 | 1                     | 60.39           | 58.10  | Yes                                            |                   |                    |
|         |       |                    |                   |         | 2                     | 79.89           | 77.02  | Yes                                            | 19.31             | 37.9580            |
|         |       |                    |                   |         | 4                     | 80.63           | 77.53  | Yes                                            | 38.23             | 19.3450            |
|         |       |                    |                   |         | 8                     | 61.63           | 58.45  | Yes                                            |                   |                    |
|         |       | 5610               | 122               |         | 1                     | 66.33           | 58.05  | Yes                                            |                   |                    |
|         |       |                    |                   |         | 2                     | 79.62           | 77.14  | Yes                                            | 19.43             | 38.0320            |
|         |       |                    |                   |         | 4                     | 83.05           | 77.53  | Yes                                            | 38.40             | 19.2390            |
|         |       |                    |                   |         | 8                     | 62.94           | 58.51  | Yes                                            |                   |                    |
|         |       | 5690<br>(Straddle) | 138               |         | 1                     | 60.67           | 58.13  | Yes                                            |                   |                    |
|         |       |                    |                   |         | 2                     | 79.91           | 77.20  | Yes                                            | 19.04             | 38.4040            |
|         |       |                    |                   |         | 4                     | 79.76           | 77.65  | Yes                                            | 38.19             | 19.3670            |
|         |       |                    |                   |         | 8                     | 60.98           | 58.11  | Yes                                            |                   |                    |
| UNII-2A | ANT 5 | 5290               | 58                | 484+242 | 1                     | 61.32           | 58.48  | Yes                                            |                   |                    |
|         |       |                    |                   |         | 2                     | 80.06           | 77.80  | Yes                                            | 19.33             | 38.0670            |
|         |       |                    |                   |         | 4                     | 81.30           | 77.09  | Yes                                            | 38.19             | 19.3500            |
|         |       |                    |                   |         | 8                     | 60.62           | 58.55  | Yes                                            |                   |                    |
| UNII-2C |       | 5530               | 106               | 484+242 | 1                     | 60.70           | 57.88  | Yes                                            |                   |                    |
|         |       |                    |                   |         | 2                     | 81.65           | 77.57  | Yes                                            | 19.26             | 37.9780            |
|         |       |                    |                   |         | 4                     | 80.12           | 77.81  | Yes                                            | 38.06             | 19.1960            |
|         |       |                    |                   |         | 8                     | 61.47           | 58.51  | Yes                                            |                   |                    |
|         |       | 5610               | 122               |         | 1                     | 60.62           | 58.16  | Yes                                            |                   |                    |
|         |       |                    |                   |         | 2                     | 82.18           | 77.87  | Yes                                            | 19.22             | 38.1610            |
|         |       |                    |                   |         | 4                     | 80.93           | 77.86  | Yes                                            | 38.13             | 19.3120            |
|         |       |                    |                   |         | 8                     | 61.94           | 58.59  | Yes                                            |                   |                    |
|         |       | 5690<br>(Straddle) | 138               |         | 1                     | 62.11           | 58.74  | Yes                                            |                   |                    |
|         |       |                    |                   |         | 2                     | 80.07           | 77.93  | Yes                                            | 19.29             | 38.1410            |
|         |       |                    |                   |         | 4                     | 80.86           | 77.81  | Yes                                            | 38.23             | 19.2780            |
|         |       |                    |                   |         | 8                     | 61.67           | 58.45  | Yes                                            |                   |                    |



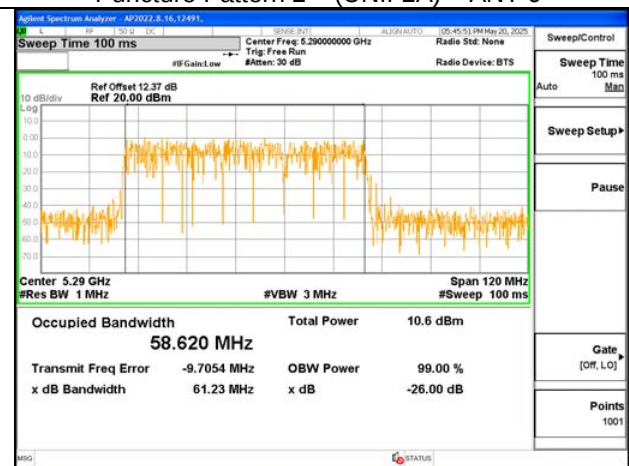
80MHz – 484+242T – Mid Channel –  
Puncture Pattern 1 – (UNII-2A) – ANT 6



80MHz – 484+242T – Mid Channel –  
Puncture Pattern 2 – (UNII-2A) – ANT 6



80MHz – 484+242T – Mid Channel –  
Puncture Pattern 4 – (UNII-2A) – ANT 6



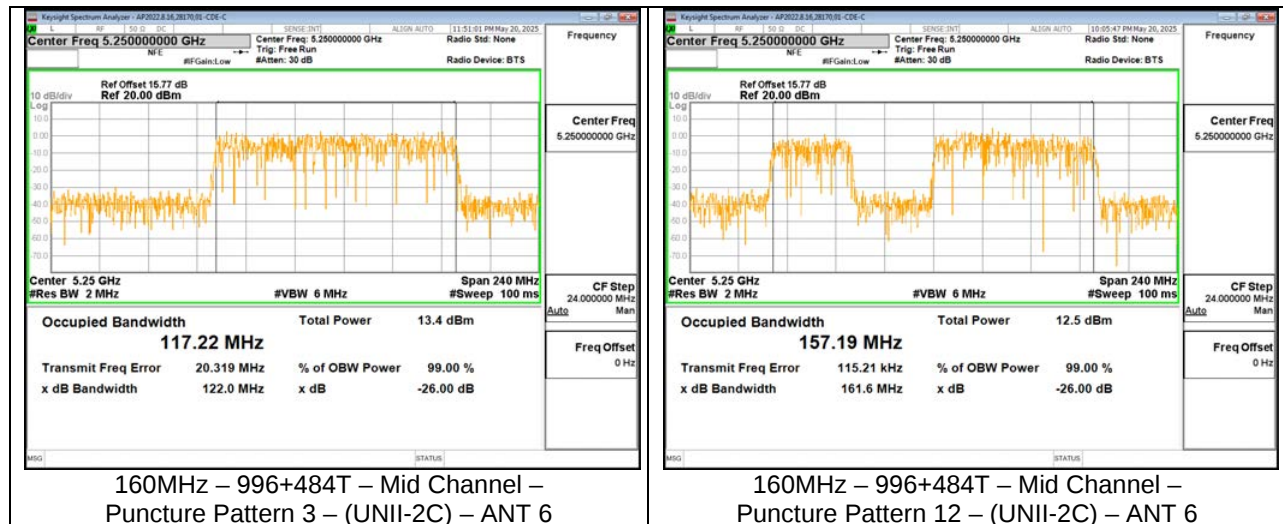
80MHz – 484+242T – Mid Channel –  
Puncture Pattern 8 – (UNII-2A) – ANT 6

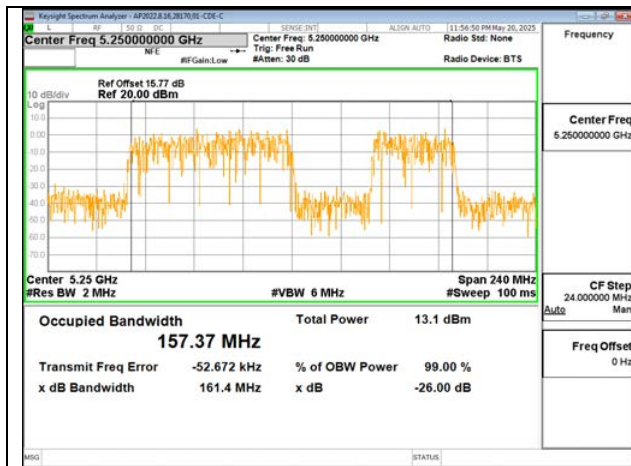
### 9.3.2. 802.11be EHT80 MIMO CDD MODE

| EHT80   | MIMO<br>(CDD) | Frequency<br>(MHz) | Channel<br>Number | Tone    | Puncturing<br>Pattern | Full Channel    |        |                         | Left<br>Bandwidth | Right<br>Bandwidth |
|---------|---------------|--------------------|-------------------|---------|-----------------------|-----------------|--------|-------------------------|-------------------|--------------------|
|         |               |                    |                   |         |                       | Bandwidth (MHz) |        | Chan Punc<br>>26dB?     |                   |                    |
|         |               |                    |                   |         |                       | 26dB            | 99% BW | Yes = Pass<br>No = Fail | 99% BW (MHz)      |                    |
| UNII-2A | ANT 6         | 5290               | 58                | 484+242 | 1                     | 60.69           | 58.19  | Yes                     |                   |                    |
|         |               |                    |                   |         | 2                     | 79.99           | 77.78  | Yes                     | 19.22             | 37.9320            |
|         |               |                    |                   |         | 4                     | 81.19           | 77.78  | Yes                     | 38.12             | 18.9540            |
|         |               |                    |                   |         | 8                     | 61.83           | 58.13  | Yes                     |                   |                    |
| UNII-2C |               | 5530               | 106               | 484+242 | 1                     | 61.29           | 58.63  | Yes                     |                   |                    |
|         |               |                    |                   |         | 2                     | 80.90           | 77.72  | Yes                     | 19.29             | 38.2110            |
|         |               |                    |                   |         | 4                     | 81.50           | 77.54  | Yes                     | 37.91             | 19.3360            |
|         |               |                    |                   |         | 8                     | 66.10           | 58.56  | Yes                     |                   |                    |
|         |               | 5610               | 122               |         | 1                     | 60.85           | 58.42  | Yes                     |                   |                    |
|         |               |                    |                   |         | 2                     | 80.24           | 77.92  | Yes                     | 19.27             | 37.7920            |
|         |               |                    |                   |         | 4                     | 79.93           | 77.57  | Yes                     | 38.09             | 19.2120            |
|         |               |                    |                   |         | 8                     | 63.83           | 58.23  | Yes                     |                   |                    |
|         |               | 5690<br>(Straddle) | 138               |         | 1                     | 62.08           | 58.45  | Yes                     |                   |                    |
|         |               |                    |                   |         | 2                     | 80.04           | 77.81  | Yes                     | 19.38             | 38.2160            |
|         |               |                    |                   |         | 4                     | 81.59           | 77.72  | Yes                     | 37.99             | 19.3550            |
|         |               |                    |                   |         | 8                     | 61.36           | 58.76  | Yes                     |                   |                    |
| UNII-2A | ANT 5         | 5290               | 58                | 484+242 | 1                     | 60.65           | 58.33  | Yes                     |                   |                    |
|         |               |                    |                   |         | 2                     | 79.65           | 77.58  | Yes                     | 19.22             | 38.0350            |
|         |               |                    |                   |         | 4                     | 79.69           | 77.40  | Yes                     | 38.04             | 19.2810            |
|         |               |                    |                   |         | 8                     | 60.54           | 58.60  | Yes                     |                   |                    |
| UNII-2C |               | 5530               | 106               | 484+242 | 1                     | 61.48           | 58.08  | Yes                     |                   |                    |
|         |               |                    |                   |         | 2                     | 81.87           | 77.22  | Yes                     | 19.06             | 38.0350            |
|         |               |                    |                   |         | 4                     | 80.50           | 77.66  | Yes                     | 37.86             | 19.2780            |
|         |               |                    |                   |         | 8                     | 61.61           | 58.65  | Yes                     |                   |                    |
|         |               | 5610               | 122               |         | 1                     | 63.31           | 58.26  | Yes                     |                   |                    |
|         |               |                    |                   |         | 2                     | 80.33           | 77.36  | Yes                     | 19.18             | 37.9920            |
|         |               |                    |                   |         | 4                     | 80.20           | 77.86  | Yes                     | 37.98             | 19.1190            |
|         |               |                    |                   |         | 8                     | 61.08           | 58.20  | Yes                     |                   |                    |
|         |               | 5690<br>(Straddle) | 138               |         | 1                     | 62.64           | 58.66  | Yes                     |                   |                    |
|         |               |                    |                   |         | 2                     | 79.78           | 77.33  | Yes                     | 19.20             | 38.2570            |
|         |               |                    |                   |         | 4                     | 81.25           | 77.87  | Yes                     | 37.87             | 19.3910            |
|         |               |                    |                   |         | 8                     | 63.08           | 58.53  | Yes                     |                   |                    |

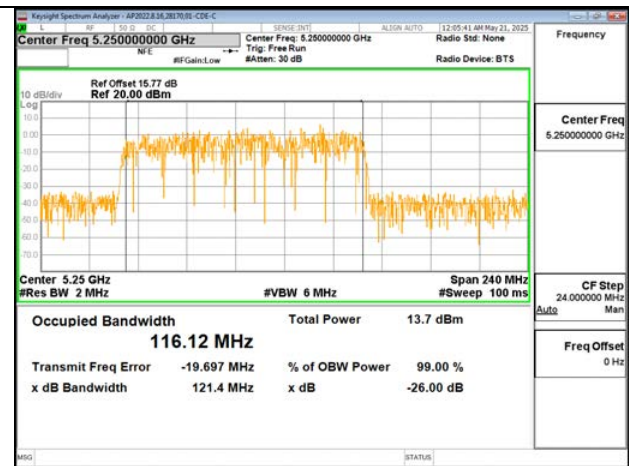
### 9.3.3. 802.11be EHT160 SISO MODE

| EHT160  | SISO | Frequency<br>(MHz) | Channel<br>Number | Tone        | Puncturing<br>Pattern | Full Channel    |        |                                                | Left<br>Bandwidth | Right<br>Bandwidth |
|---------|------|--------------------|-------------------|-------------|-----------------------|-----------------|--------|------------------------------------------------|-------------------|--------------------|
|         |      |                    |                   |             |                       | Bandwidth (MHz) |        | Chan Punc<br>>26dB?<br>Yes = Pass<br>No = Fail |                   |                    |
|         |      |                    |                   |             |                       | 26dB            | 99% BW |                                                | 99% BW (MHz)      |                    |
| UNII-2A | ANT6 | 5250<br>(Straddle) | 50                | 996+484     | 3                     | 122.00          | 117.22 | Yes                                            |                   |                    |
|         |      |                    |                   |             | 12                    | 161.60          | 157.19 | Yes                                            | 38.65             | 77.7840            |
|         |      |                    |                   |             | 48                    | 161.40          | 157.37 | Yes                                            | 78.23             | 39.1490            |
|         |      |                    |                   |             | 192                   | 121.40          | 116.12 | Yes                                            |                   |                    |
|         |      |                    |                   | 996+484+242 | 1                     | 142.30          | 137.01 | Yes                                            |                   |                    |
|         |      |                    |                   |             | 2                     | 161.80          | 155.76 | Yes                                            | 20.32             | 117.4500           |
|         |      |                    |                   |             | 4                     | 161.40          | 156.60 | Yes                                            | 38.98             | 98.8040            |
|         |      |                    |                   |             | 8                     | 161.60          | 156.60 | Yes                                            | 58.82             | 78.5940            |
|         |      |                    |                   |             | 16                    | 161.10          | 155.81 | Yes                                            | 77.51             | 59.4720            |
|         |      |                    |                   |             | 32                    | 161.30          | 154.69 | Yes                                            | 98.46             | 38.6260            |
|         |      |                    |                   |             | 64                    | 160.80          | 156.46 | Yes                                            | 117.96            | 20.4330            |
|         |      |                    |                   |             | 128                   | 141.70          | 137.32 | Yes                                            |                   |                    |
| UNII-2C |      | 5570               | 114               | 996+484     | 3                     | 121.90          | 117.58 | Yes                                            |                   |                    |
|         |      |                    |                   |             | 12                    | 161.30          | 156.07 | Yes                                            | 39.12             | 78.0120            |
|         |      |                    |                   |             | 48                    | 162.00          | 157.29 | Yes                                            | 77.80             | 38.8060            |
|         |      |                    |                   |             | 192                   | 121.90          | 117.25 | Yes                                            |                   |                    |
|         |      |                    |                   | 996+484+242 | 1                     | 141.30          | 137.47 | Yes                                            |                   |                    |
|         |      |                    |                   |             | 2                     | 161.60          | 155.90 | Yes                                            | 20.36             | 117.5700           |
|         |      |                    |                   |             | 4                     | 161.00          | 157.24 | Yes                                            | 38.84             | 98.2680            |
|         |      |                    |                   |             | 8                     | 160.80          | 156.92 | Yes                                            | 59.03             | 77.5580            |
|         |      |                    |                   |             | 16                    | 161.30          | 156.28 | Yes                                            | 77.73             | 58.8630            |
|         |      |                    |                   |             | 32                    | 161.70          | 155.61 | Yes                                            | 98.05             | 38.6000            |
|         |      |                    |                   |             | 64                    | 161.00          | 156.95 | Yes                                            | 117.37            | 20.1230            |
|         |      |                    |                   |             | 128                   | 1472.00         | 137.30 | Yes                                            |                   |                    |
| UNII-2A | ANT5 | 5250<br>(Straddle) | 50                | 996+484     | 3                     | 121.10          | 117.53 | Yes                                            |                   |                    |
|         |      |                    |                   |             | 12                    | 161.30          | 157.43 | Yes                                            | 39.10             | 77.8500            |
|         |      |                    |                   |             | 48                    | 161.90          | 157.64 | Yes                                            | 77.87             | 39.0610            |
|         |      |                    |                   |             | 192                   | 121.80          | 116.29 | Yes                                            |                   |                    |
|         |      |                    |                   | 996+484+242 | 1                     | 141.90          | 136.19 | Yes                                            |                   |                    |
|         |      |                    |                   |             | 2                     | 161.40          | 156.59 | Yes                                            | 20.10             | 117.1300           |
|         |      |                    |                   |             | 4                     | 161.20          | 155.57 | Yes                                            | 38.57             | 98.4780            |
|         |      |                    |                   |             | 8                     | 160.80          | 157.04 | Yes                                            | 59.14             | 77.8640            |
|         |      |                    |                   |             | 16                    | 161.80          | 157.03 | Yes                                            | 78.17             | 59.1860            |
|         |      |                    |                   |             | 32                    | 161.90          | 156.07 | Yes                                            | 98.52             | 38.6020            |
|         |      |                    |                   |             | 64                    | 161.90          | 156.86 | Yes                                            | 117.06            | 20.5420            |
|         |      |                    |                   |             | 128                   | 142.40          | 135.50 | Yes                                            |                   |                    |
| UNII-2C |      | 5570               | 114               | 996+484     | 3                     | 121.60          | 117.18 | Yes                                            |                   |                    |
|         |      |                    |                   |             | 12                    | 161.30          | 156.82 | Yes                                            | 38.73             | 78.0620            |
|         |      |                    |                   |             | 48                    | 162.10          | 155.20 | Yes                                            | 77.95             | 38.8020            |
|         |      |                    |                   |             | 192                   | 120.90          | 117.77 | Yes                                            |                   |                    |
|         |      |                    |                   | 996+484+242 | 1                     | 142.00          | 137.39 | Yes                                            |                   |                    |
|         |      |                    |                   |             | 2                     | 161.80          | 156.83 | Yes                                            | 20.22             | 117.1200           |
|         |      |                    |                   |             | 4                     | 161.60          | 156.63 | Yes                                            | 39.05             | 98.5250            |
|         |      |                    |                   |             | 8                     | 161.20          | 157.05 | Yes                                            | 58.59             | 77.6190            |
|         |      |                    |                   |             | 16                    | 161.80          | 157.00 | Yes                                            | 78.45             | 59.0590            |
|         |      |                    |                   |             | 32                    | 161.30          | 19.00  | Yes                                            | 97.40             | 38.8570            |
|         |      |                    |                   |             | 64                    | 161.90          | 156.30 | Yes                                            | 117.48            | 20.3460            |
|         |      |                    |                   |             | 128                   | 142.80          | 137.50 | Yes                                            |                   |                    |





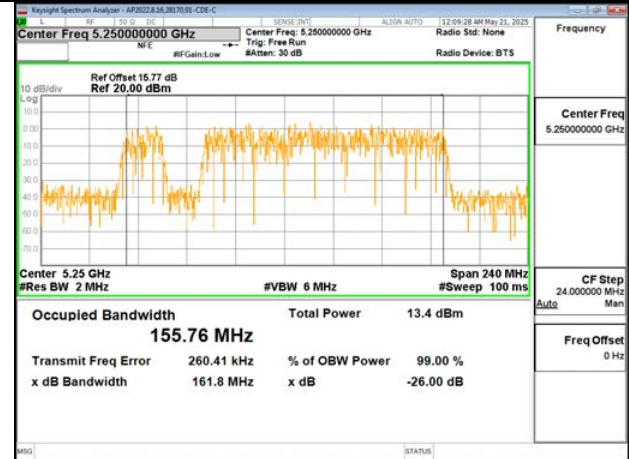
160MHz – 996+484T – Mid Channel –  
Puncture Pattern 48 – (UNII-2C) – ANT 6



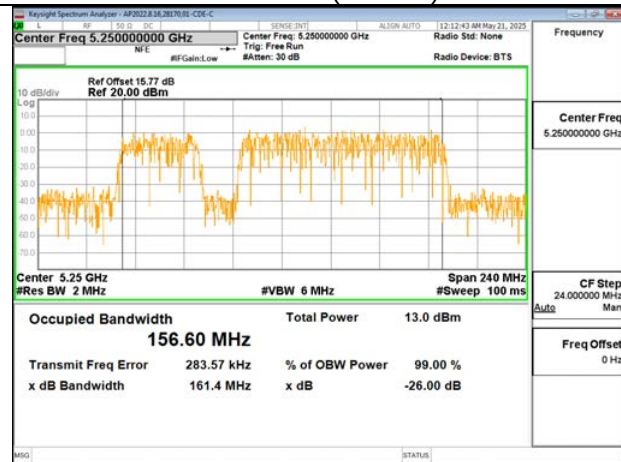
160MHz – 996+484T – Mid Channel –  
Puncture Pattern 192 – (UNII-2C) – ANT 6



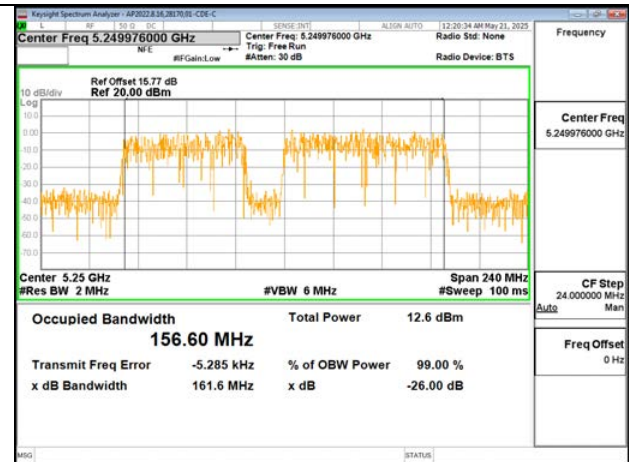
160MHz – 996+484+242T – Mid Channel –  
Puncture Pattern 1 – (UNII-2C) – ANT 6



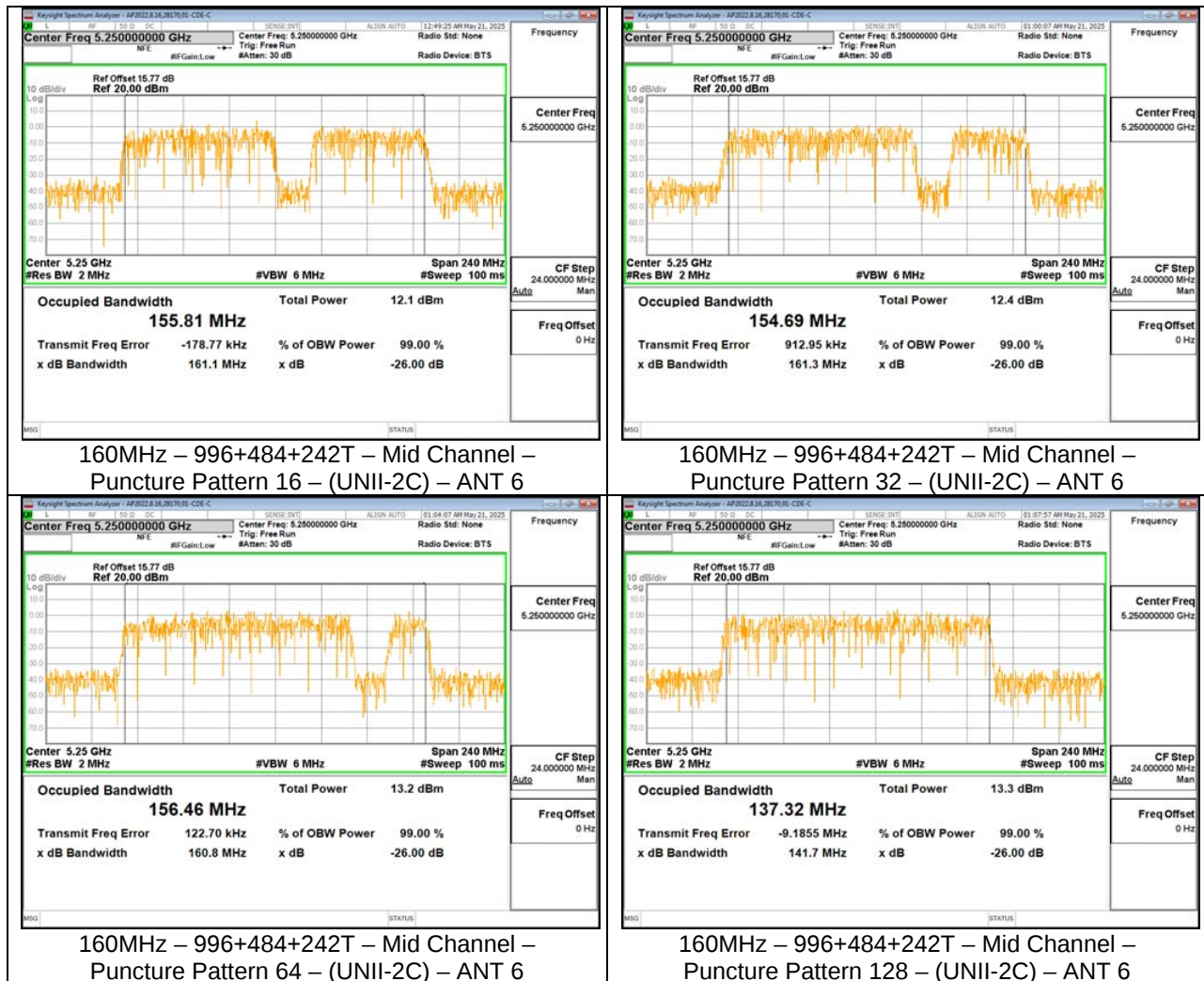
160MHz – 996+484+242T – Mid Channel –  
Puncture Pattern 2 – (UNII-2C) – ANT 6



160MHz – 996+484+242T – Mid Channel –  
Puncture Pattern 4 – (UNII-2C) – ANT 6



160MHz – 996+484+242T – Mid Channel –  
Puncture Pattern 8 – (UNII-2C) – ANT 6



### 9.3.4. 802.11be EHT160 MIMO CDD MODE

| EHT160  | MIMO (CDD) | Frequency (MHz) | Channel Number | Tone        | Puncturing Pattern | Full Channel    |        |                                             | Left Bandwidth | Right Bandwidth |
|---------|------------|-----------------|----------------|-------------|--------------------|-----------------|--------|---------------------------------------------|----------------|-----------------|
|         |            |                 |                |             |                    | Bandwidth (MHz) |        | Chan Punc >26dB?<br>Yes = Pass<br>No = Fail | 99% BW (MHz)   |                 |
|         |            |                 |                |             |                    | 26dB            | 99% BW |                                             |                |                 |
| UNII-2A | ANT 6      | 5250 (Straddle) | 50             | 996+484     | 3                  | 122.00          | 117.07 | Yes                                         |                |                 |
|         |            |                 |                |             | 12                 | 161.00          | 157.45 | Yes                                         | 38.63          | 77.8590         |
|         |            |                 |                |             | 48                 | 161.10          | 156.96 | Yes                                         | 78.13          | 38.6270         |
|         |            |                 |                |             | 192                | 121.60          | 116.57 | Yes                                         |                |                 |
|         |            |                 |                | 996+484+242 | 1                  | 142.20          | 137.33 | Yes                                         |                |                 |
|         |            |                 |                |             | 2                  | 161.40          | 156.36 | Yes                                         | 20.34          | 117.2400        |
|         |            |                 |                |             | 4                  | 162.20          | 156.28 | Yes                                         | 38.68          | 98.7980         |
|         |            |                 |                |             | 8                  | 161.30          | 155.20 | Yes                                         | 58.74          | 77.9780         |
|         |            |                 |                |             | 16                 | 160.70          | 155.96 | Yes                                         | 77.51          | 63.7500         |
|         |            |                 |                |             | 32                 | 161.00          | 156.65 | Yes                                         | 97.88          | 38.8310         |
|         |            |                 |                |             | 64                 | 161.60          | 157.47 | Yes                                         | 116.91         | 20.3010         |
|         |            |                 |                |             | 128                | 142.60          | 136.65 | Yes                                         |                |                 |
|         |            | 5570            | 114            | 996+484     | 3                  | 122.10          | 116.93 | Yes                                         |                |                 |
|         |            |                 |                |             | 12                 | 162.20          | 157.29 | Yes                                         | 39.15          | 77.9750         |
|         |            |                 |                |             | 48                 | 161.00          | 156.85 | Yes                                         | 77.84          | 38.6670         |
|         |            |                 |                |             | 192                | 120.60          | 116.16 | Yes                                         |                |                 |
|         |            |                 |                | 996+484+242 | 1                  | 142.00          | 137.90 | Yes                                         |                |                 |
|         |            |                 |                |             | 2                  | 161.30          | 156.07 | Yes                                         | 20.20          | 117.2000        |
|         |            |                 |                |             | 4                  | 161.40          | 156.36 | Yes                                         | 38.80          | 98.1480         |
|         |            |                 |                |             | 8                  | 162.10          | 157.48 | Yes                                         | 58.70          | 78.5560         |
|         |            |                 |                |             | 16                 | 161.25          | 156.37 | Yes                                         | 77.50          | 59.1320         |
|         |            |                 |                |             | 32                 | 161.40          | 156.95 | Yes                                         | 99.14          | 39.0700         |
|         |            |                 |                |             | 64                 | 163.00          | 156.27 | Yes                                         | 117.61         | 20.1320         |
|         |            |                 |                |             | 128                | 142.10          | 137.47 | Yes                                         |                |                 |
| UNII-2A | ANT 5      | 5250 (Straddle) | 50             | 996+484     | 3                  | 121.70          | 117.65 | Yes                                         |                |                 |
|         |            |                 |                |             | 12                 | 161.70          | 157.26 | Yes                                         | 38.91          | 78.1640         |
|         |            |                 |                |             | 48                 | 161.00          | 155.86 | Yes                                         | 77.95          | 38.9000         |
|         |            |                 |                |             | 192                | 122.10          | 116.49 | Yes                                         |                |                 |
|         |            |                 |                | 996+484+242 | 1                  | 142.00          | 137.15 | Yes                                         |                |                 |
|         |            |                 |                |             | 2                  | 161.80          | 156.58 | Yes                                         | 20.22          | 118.1600        |
|         |            |                 |                |             | 4                  | 161.50          | 156.37 | Yes                                         | 38.86          | 98.6130         |
|         |            |                 |                |             | 8                  | 160.90          | 156.72 | Yes                                         | 58.90          | 77.9270         |
|         |            |                 |                |             | 16                 | 161.20          | 155.97 | Yes                                         | 77.72          | 59.2620         |
|         |            |                 |                |             | 32                 | 162.10          | 155.89 | Yes                                         | 97.64          | 38.7440         |
|         |            |                 |                |             | 64                 | 161.30          | 156.23 | Yes                                         | 117.92         | 20.2810         |
|         |            |                 |                |             | 128                | 141.80          | 137.46 | Yes                                         |                |                 |
|         |            | 5570            | 114            | 996+484     | 3                  | 121.50          | 116.32 | Yes                                         |                |                 |
|         |            |                 |                |             | 12                 | 161.70          | 156.57 | Yes                                         | 38.89          | 77.4720         |
|         |            |                 |                |             | 48                 | 161.30          | 156.75 | Yes                                         | 77.47          | 38.9420         |
|         |            |                 |                |             | 192                | 122.10          | 118.02 | Yes                                         |                |                 |
|         |            |                 |                | 996+484+242 | 1                  | 142.50          | 137.63 | Yes                                         |                |                 |
|         |            |                 |                |             | 2                  | 161.60          | 156.81 | Yes                                         | 20.38          | 117.2500        |
|         |            |                 |                |             | 4                  | 161.00          | 157.07 | Yes                                         | 38.70          | 98.6440         |
|         |            |                 |                |             | 8                  | 161.30          | 156.52 | Yes                                         | 59.09          | 77.6740         |
|         |            |                 |                |             | 16                 | 162.00          | 156.59 | Yes                                         | 77.91          | 58.9820         |
|         |            |                 |                |             | 32                 | 161.30          | 157.10 | Yes                                         | 98.13          | 38.8520         |
|         |            |                 |                |             | 64                 | 161.00          | 156.12 | Yes                                         | 118.12         | 20.2640         |
|         |            |                 |                |             | 128                | 142.50          | 137.09 | Yes                                         |                |                 |

## **9.4. 6 dB BANDWIDTH**

### **LIMITS**

FCC §15.407 (e)

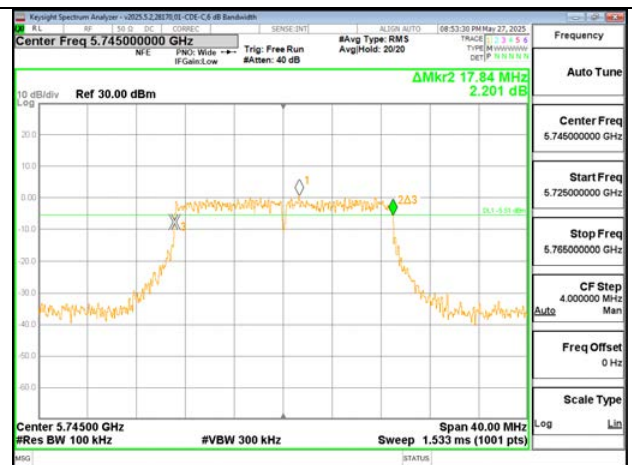
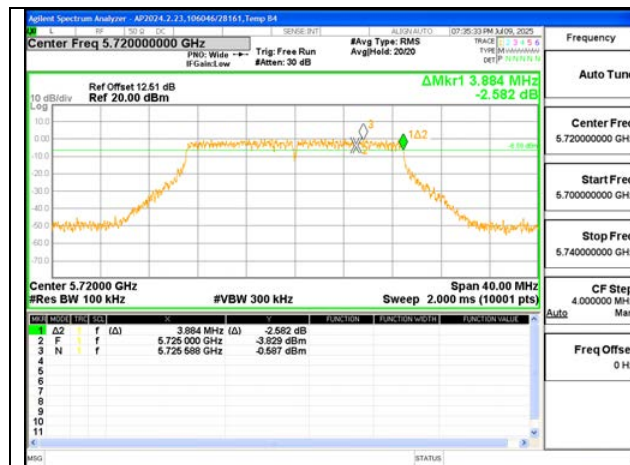
The minimum 6 dB bandwidth shall be at least 500 kHz.

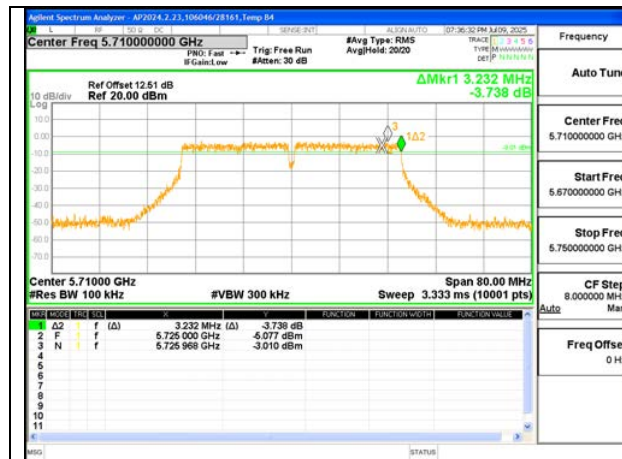
### **RESULTS**

For 6dB bandwidth measurements, the 802.11be EHT20 was tested at 26T as a worst-case scenario. For straddle channels, 52T was tested as the worst case as 26T is not supported.

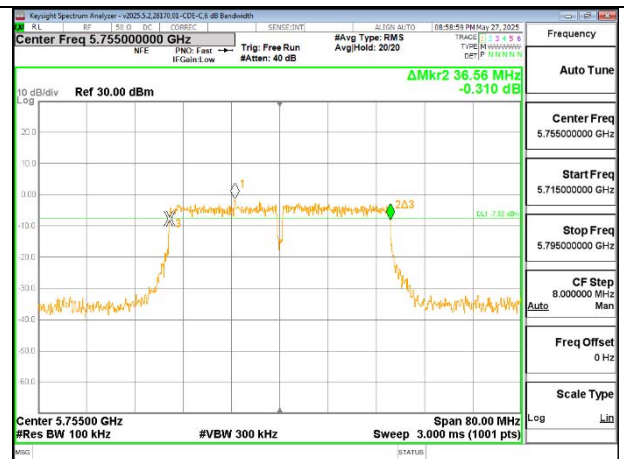
### 9.4.1. 802.11n/ac SISO MODE IN THE 5.8 GHz BAND

| UNII-3<br>(SISO) | Frequency<br>(MHz) | Channel<br>Number | 6 dB BW<br>(MHz) |       |
|------------------|--------------------|-------------------|------------------|-------|
|                  |                    |                   | Ant 6            | Ant 5 |
| HT20             | 5720<br>(Straddle) | 144               | 3.884            | 3.836 |
|                  | 5745               | 149               | 17.84            | 17.64 |
|                  | 5785               | 157               | 17.84            | 17.8  |
|                  | 5825               | 165               | 17.68            | 17.88 |
| HT40             | 5710<br>(Straddle) | 142               | 3.232            | 3.248 |
|                  | 5755               | 151               | 36.56            | 36.56 |
|                  | 5795               | 159               | 36.64            | 36.64 |
| VHT80            | 5690<br>(Straddle) | 138               | 3.24             | 3.24  |
|                  | 5775               | 155               | 76.64            | 76.64 |

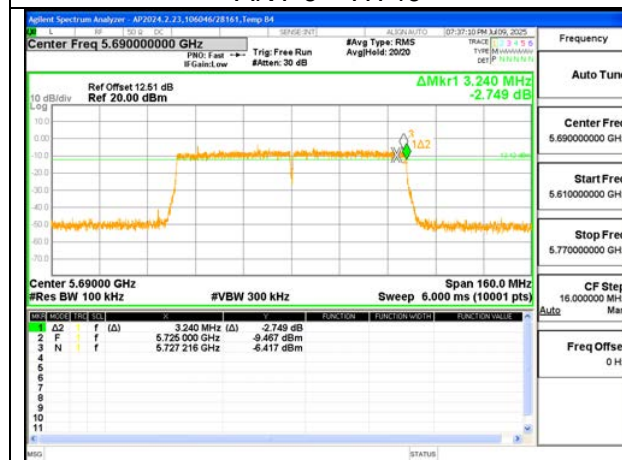




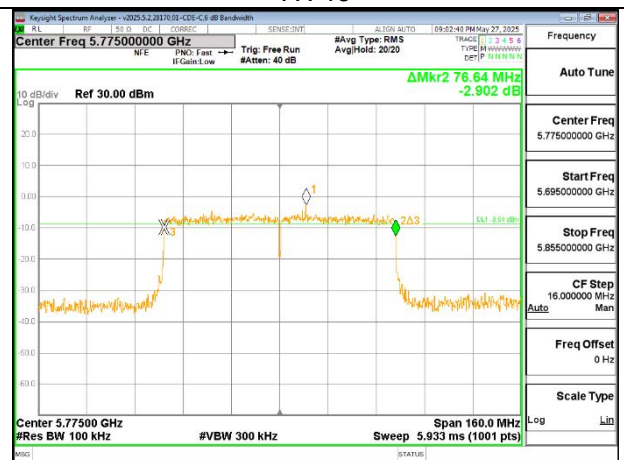
40MHz - STRADDLE CHANNEL (UNII-2C) -  
ANT 6 – HT40



40MHz - LOW CHANNEL (UNII-3) - ANT 6 –  
HT40



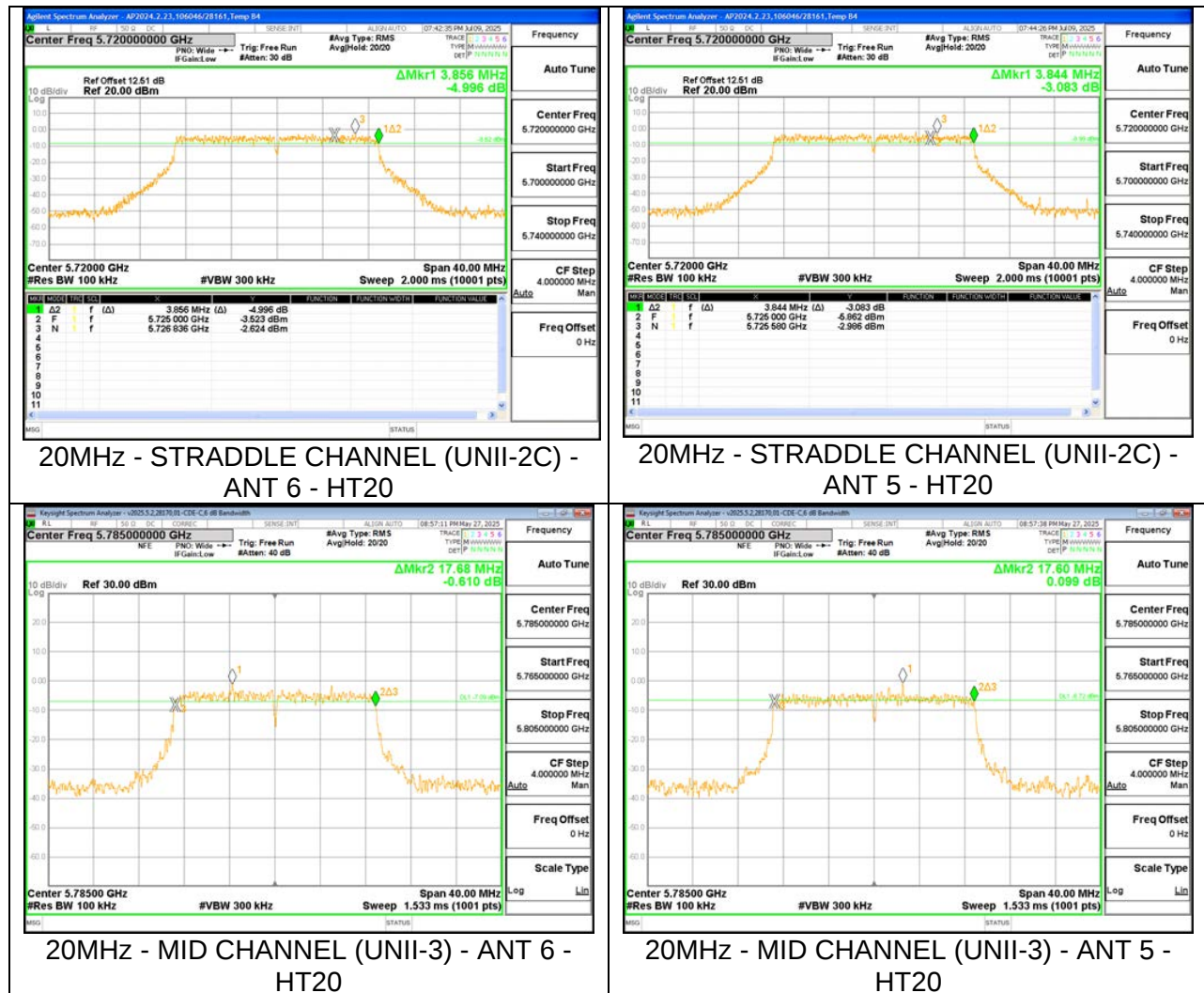
80MHz - STRADDLE CHANNEL (UNII-2C) -  
ANT 6 – VHT80



80MHz - LOW CHANNEL (UNII-3) - ANT 6 –  
VHT80

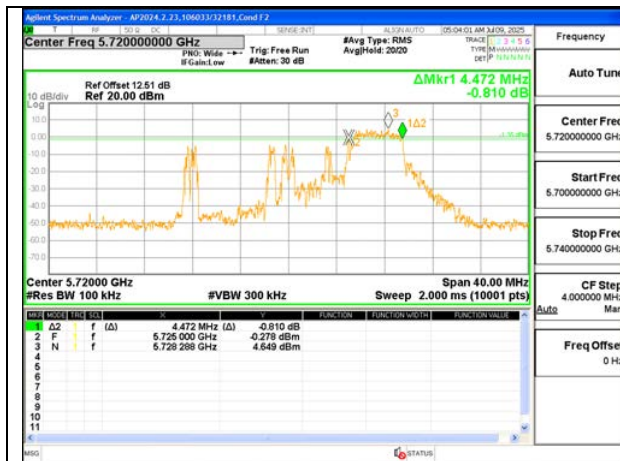
**9.4.2. 802.11n/ac MIMO CDD MODE IN THE 5.8 GHz BAND**

| UNII-3<br>(MIMO CDD) | Frequency<br>(MHz) | Channel<br>Number | 6 dB BW<br>(MHz) |        |
|----------------------|--------------------|-------------------|------------------|--------|
|                      |                    |                   | Ant 6            | Ant 5  |
| <b>HT20</b>          | 5720<br>(Straddle) | 144               | 3.856            | 3.844  |
|                      | 5745               | 149               | 17.680           | 17.600 |
|                      | 5785               | 157               | 17.680           | 17.600 |
|                      | 5825               | 165               | 17.640           | 17.800 |
| <b>HT40</b>          | 5710<br>(Straddle) | 142               | 3.232            | 3.224  |
|                      | 5755               | 151               | 36.640           | 36.640 |
|                      | 5795               | 159               | 36.560           | 36.640 |
| <b>VHT80</b>         | 5690<br>(Straddle) | 138               | 3.256            | 3.224  |
|                      | 5775               | 155               | 76.640           | 76.640 |

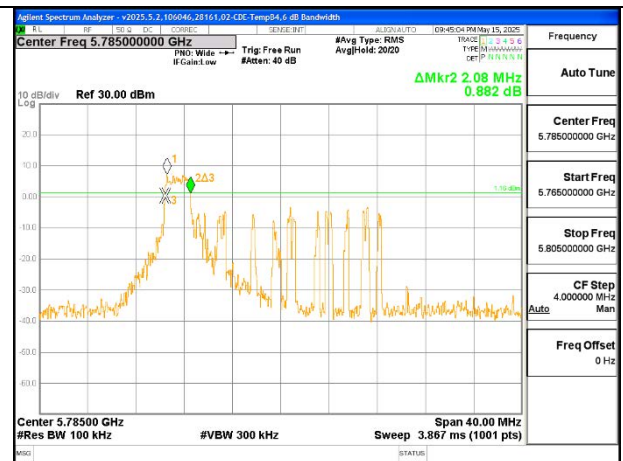


**9.4.3. 802.11be SISO MODE IN THE 5.8 GHz BAND**

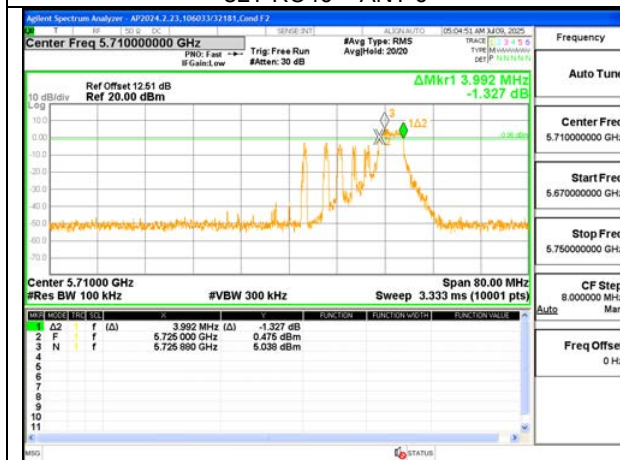
| UNII-3<br>(SISO) | Frequency<br>(MHz) | Channel<br>Number | Tone | RU<br>Index | 6 dB BW<br>(MHz) |        |
|------------------|--------------------|-------------------|------|-------------|------------------|--------|
|                  |                    |                   |      |             | Ant 6            | Ant 5  |
| <b>EHT20</b>     | 5720<br>(Straddle) | 144               | SU   | --          | 4.516            | 4.512  |
|                  |                    |                   | 52T  |             |                  |        |
|                  |                    |                   |      | 40          | 4.472            | 3.968  |
|                  | 5745               | 149               | SU   | --          | 19.080           | 19.040 |
|                  |                    |                   | 26T  | 0           | 2.120            | 2.040  |
|                  |                    |                   |      | 4           | 2.600            | 2.600  |
|                  |                    |                   |      | 8           | 2.000            | 2.040  |
|                  |                    |                   | SU   | --          | 19.040           | 18.880 |
|                  | 5785               | 157               | 26T  | 0           | 2.080            | 2.040  |
|                  |                    |                   |      | 4           | 2.640            | 2.640  |
|                  |                    |                   |      | 8           | 2.040            | 2.160  |
|                  |                    |                   | SU   | --          | 19.000           | 18.920 |
|                  | 5825               | 165               | 26T  | 0           | 2.040            | 2.040  |
|                  |                    |                   |      | 4           | 2.600            | 2.720  |
|                  |                    |                   |      | 8           | 2.080            | 2.120  |
| <b>EHT40</b>     | 5710<br>(Straddle) | 142               | SU   | --          | 4.072            | 3.928  |
|                  |                    |                   | 52T  |             |                  |        |
|                  |                    |                   |      | 44          | 3.992            | 4.024  |
|                  | 5755               | 151               | SU   | --          | 38.320           | 38.160 |
|                  |                    |                   | 26T  | 0           | 2.160            | 2.080  |
|                  |                    |                   |      | 9           | 2.160            | 2.160  |
|                  |                    |                   |      | 17          | 2.240            | 2.240  |
|                  |                    |                   | SU   | --          | 38.320           | 38.240 |
|                  | 5795               | 159               | 26T  | 0           | 2.240            | 2.160  |
|                  |                    |                   |      | 9           | 2.240            | 2.080  |
|                  |                    |                   |      | 17          | 2.240            | 2.240  |
| <b>EHT80</b>     | 5690<br>(Straddle) | 138               | SU   | --          | 4.040            | 4.056  |
|                  |                    |                   | 52T  |             |                  |        |
|                  |                    |                   |      | 52          | 4.024            | 3.960  |
|                  | 5775               | 155               | SU   | --          | 78.240           | 78.400 |
|                  |                    |                   | 26T  | 0           | 2.240            | 2.240  |
|                  |                    |                   |      | 17          | 2.400            | 2.400  |
|                  |                    |                   |      | 36          | 2.400            | 2.400  |



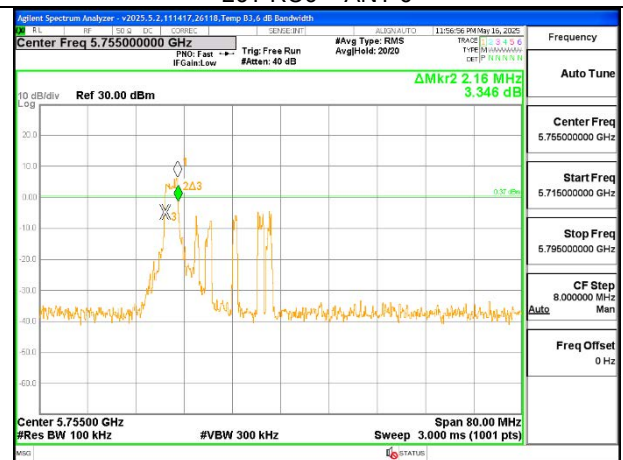
20MHz – Straddle Channel (UNII-2C) –  
52T RU40 – ANT 6



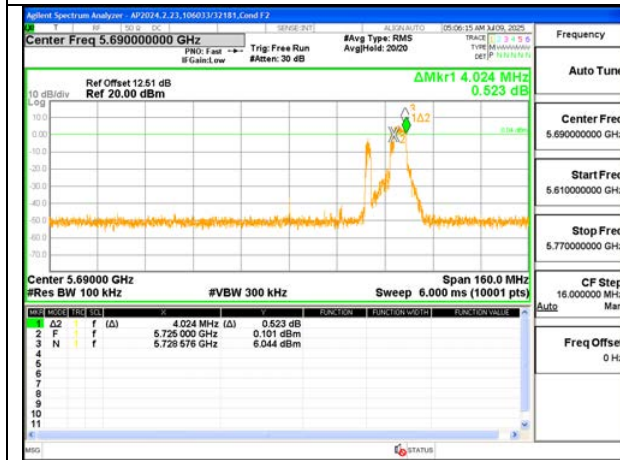
20MHz – Mid Channel (UNII-3) –  
26T RU0 – ANT 6



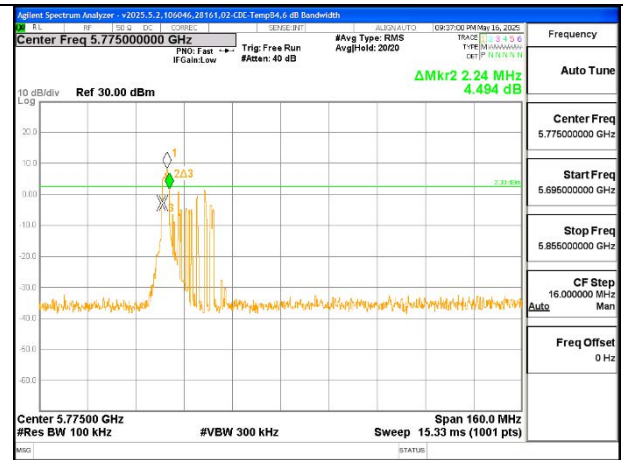
40MHz – Straddle Channel – 52T RU44 (UNII-2C) – Ant  
6



40MHz – Low Channel – 26T RU0 (UNII-3) – Ant 6



80MHz – Straddle Channel – 52T RU52 (UNII-2C) – Ant  
6



80MHz – Low Channel – 26T RU0 (UNII-3) – Ant 6

### 9.4.4. 802.11be MIMO CDD MODE IN THE 5.8 GHz BAND

| UNII-3<br>(MIMO CDD) | Frequency<br>(MHz) | Channel<br>Number | Tone | RU<br>Index | 6 dB BW<br>(MHz) |        |
|----------------------|--------------------|-------------------|------|-------------|------------------|--------|
|                      |                    |                   |      |             | Ant 6            | Ant 5  |
| EHT20                | 5720<br>(Straddle) | 144               | SU   | --          | 4.436            | 4.464  |
|                      |                    |                   | 52T  |             |                  |        |
|                      |                    |                   |      | 40          | 3.996            | 3.936  |
|                      | 5745               | 149               | SU   | --          | 18.960           | 19.080 |
|                      |                    |                   | 26T  | 0           | 2.040            | 2.000  |
|                      |                    |                   |      | 4           | 2.680            | 2.640  |
|                      |                    |                   |      | 8           | 2.120            | 2.040  |
|                      | 5785               | 157               | SU   | --          | 19.080           | 18.920 |
|                      |                    |                   | 26T  | 0           | 2.120            | 2.040  |
|                      |                    |                   |      | 4           | 2.600            | 2.640  |
|                      |                    |                   |      | 8           | 2.080            | 2.040  |
|                      | 5825               | 165               | SU   | --          | 19.080           | 19.040 |
|                      |                    |                   | 26T  | 0           | 2.080            | 2.120  |
|                      |                    |                   |      | 4           | 2.720            | 2.560  |
|                      |                    |                   |      | 8           | 2.120            | 2.040  |
| EHT40                | 5710<br>(Straddle) | 142               | SU   | --          | 4.016            | 4.032  |
|                      |                    |                   | 52T  |             |                  |        |
|                      |                    |                   |      | 44          | 4.016            | 4.032  |
|                      | 5755               | 151               | SU   | --          | 38.320           | 38.160 |
|                      |                    |                   | 26T  | 0           | 2.160            | 2.240  |
|                      |                    |                   |      | 9           | 2.240            | 2.000  |
|                      |                    |                   |      | 17          | 2.160            | 2.160  |
|                      | 5795               | 159               | SU   | --          | 38.240           | 38.080 |
|                      |                    |                   | 26T  | 0           | 2.240            | 2.160  |
|                      |                    |                   |      | 9           | 2.240            | 2.160  |
|                      |                    |                   |      | 17          | 2.160            | 2.080  |
| EHT80                | 5690<br>(Straddle) | 138               | SU   | --          | 4.040            | 4.056  |
|                      |                    |                   | 52T  |             |                  |        |
|                      |                    |                   |      | 52          | 3.976            | 3.960  |
|                      | 5775               | 155               | SU   | --          | 77.920           | 78.240 |
|                      |                    |                   | 26T  | 0           | 2.400            | 2.400  |
|                      |                    |                   |      | 17          | 2.240            | 2.400  |
|                      |                    |                   |      | 36          | 2.400            | 2.400  |

## 9.5. OUTPUT POWER AND PSD

### LIMITS

#### **FCC §15.407**

##### **Band 5.15–5.25 GHz**

(iv) For mobile and portable client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

##### **Bands 5.25-5.35 GHz and 5.47-5.725 GHz**

The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or  $11 \text{ dBm} + 10 \log B$ , where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

##### **Band 5.725-5.85 GHz**

The maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz 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. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information.

### TEST PROCEDURE

The measurement method used for output power is KDB 789033 D02 v02r01, Section E.3.b (Method PM-G).

The measurement method used for power spectral density is KDB 789033 D02 v02r01, Section F.

For all straddle channels, full bandwidth power and PSD/MHz are reported in the 5.6GHz section because the combined 5.6GHz and 5.8GHz power and PSD/MHz already passed the worst-case 5.6GHz power and 5.8 GHz PSD/500kHz limits.

11n HT20 and 11be EHT20 straddle channel 26dB bandwidth=  $(26\text{dB BW}/2)+5$

11n HT20 and 11be EHT20 straddle channel 99% bandwidth=  $(99\% \text{ BW}/2)+5$

**DIRECTIONAL ANTENNA GAIN**

For 1 TX:

There is only one transmitter output therefore the directional gain is equal to the antenna gain.

For 2 TX:

Tx chains are uncorrelated for power and correlated for PSD due to the device supporting CDD in all MIMO modes. The directional gains are as follows:

| <b>Band<br/>(GHz)</b> | <b>ANT6<br/>Gain<br/>(dBi)</b> | <b>ANT5<br/>Gain<br/>(dBi)</b> | <b>Uncorrelated Chains<br/>Directional<br/>Gain<br/>(dBi)</b> | <b>Correlated Chains<br/>Directional<br/>Gain<br/>(dBi)</b> |
|-----------------------|--------------------------------|--------------------------------|---------------------------------------------------------------|-------------------------------------------------------------|
| 5.2                   | -1.80                          | -4.10                          | -2.80                                                         | 0.14                                                        |
| 5.3                   | -1.50                          | -3.10                          | -2.23                                                         | 0.75                                                        |
| 5.6                   | -1.00                          | -2.40                          | -1.64                                                         | 1.34                                                        |
| 5.8                   | -0.30                          | -2.20                          | -1.15                                                         | 1.81                                                        |

**DIRECTIONAL GAIN CALCULATION:**

ANSI C63.10-2013 section 14.4.3

Uncorrelated directional gain= $10 \cdot \log((10^{(\text{Ant 6}/10)} + 10^{(\text{Ant 5}/10)})/2)$

Correlated directional Gain= $10 \cdot \log(((10^{(\text{Ant 6}/20)} + 10^{(\text{Ant 5}/20)})^2)/2)$

Sample Calculation at 5.2GHz Band:

Ant 6=-1.8, Ant 5=-4.10

Uncorrelated Antenna gain= $10 \log[(10^{(-1.8/10)} + 10^{(-4.10/10)})/2] = -2.8 \text{ dBi}$

Correlated Antenna gain= $10 \log[(10^{(-1.8/20)} + 10^{(-4.10/20)})^2/2] = 0.14 \text{ dBi}$

**Output Power Calculation:****1Tx**

Total corr'd power = Ant 6

Sample Calculation at 5.2GHz Band (Low Channel SU):

ANT 6 Power = 18.81 dBm (Gated Power)

Total corr'd power = 18.81 dBm

**2Tx**

Total corr'd power =  $10 \cdot \log(10^{(\text{Ant 6}/10)} + 10^{(\text{Ant 5}/10)})$

Sample Calculation at 5.2GHz Band CDD (Low Channel SU):

Ant 6 Power = 17.31 dBm, Ant 5 Power = 17.42

Total corr'd power =  $10 \cdot \log(10^{(17.31/10)} + 10^{(17.42/10)}) = 20.38 \text{ dBm}$

**PSD Calculation:****1Tx**

Total corr'd PSD = DCCF + Ant 6

Sample Calculation at 5.2GHz Band (Low Channel SU):

Ant 6 PSD = 7.460 dBm/MHz

Total corr'd PSD = 0.00 + 7.460 = 7.460 dBm/MHz

**2Tx**

Total corr'd PSD =  $(10 \cdot \log(10^{((\text{DCCF} + \text{Ant 6})/10)} + 10^{((\text{DCCF} + \text{Ant 5})/10)}))$

Sample Calculation at 5.2GHz Band CDD (Low Channel SU):

Ant6 PSD = 6.223 dBm/MHz, Ant 5 PSD = 6.340 dBm/MHz

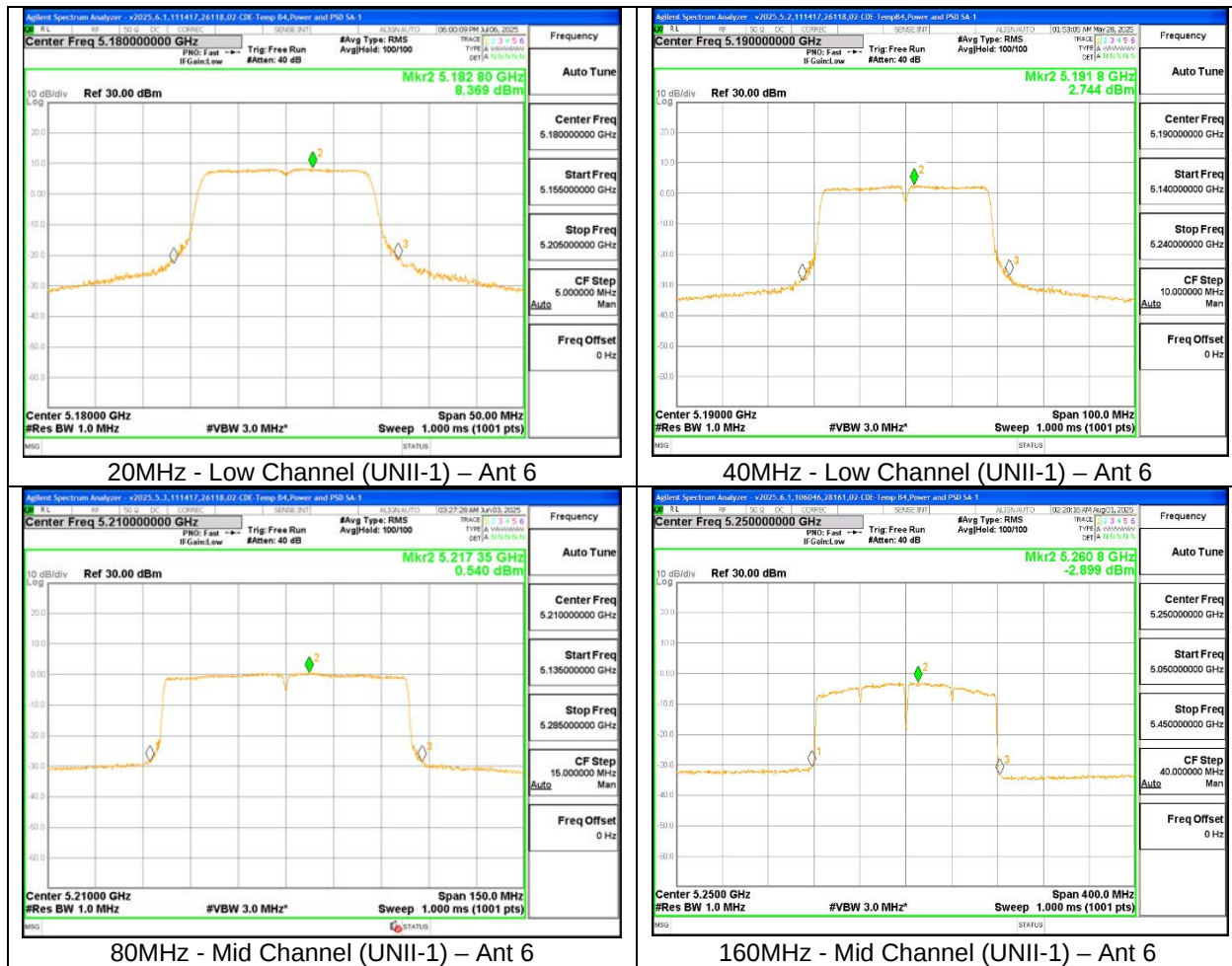
Total corr'd PSD =  $(10 \cdot \log(10^{((0.00 + (6.223))/10)} + 10^{((0.00 + (6.340))/10)}))$   
= 9.292 dBm/MHz

### 9.5.1. 802.11n/ac SISO MODE IN THE UNII-1 BAND

| UNII-1 (SISO)    | 20MHz | 40MHz | 80MHz | 160MHz |
|------------------|-------|-------|-------|--------|
| DCCF (MCS0) (dB) | 0.00  | 0.00  | 0.00  | 0.00   |
| Ant 6 (dBi)      | -1.80 |       |       |        |
| Ant 5 (dBi)      | -4.10 |       |       |        |

| UNII-2A (SISO)   |       |
|------------------|-------|
| Straddle Channel |       |
| Ant 6 (dBi)      | -1.50 |
| Ant 5 (dBi)      | -3.10 |

| UNII-1 (SISO) | Freq (MHz)      | Ch. # | Minimum Bandwidth (MHz) |       | Power Limit (dBm) |       | Output Power (Gated) (dBm) |       | Total Corrected Power (dBm) |       | PSD Limit (dBm/MHz) |       | PSD (dBm/MHz) |        | Total Corrected PSD (dBm/MHz) |        |
|---------------|-----------------|-------|-------------------------|-------|-------------------|-------|----------------------------|-------|-----------------------------|-------|---------------------|-------|---------------|--------|-------------------------------|--------|
|               |                 |       | Ant 6                   | Ant 5 | Ant 6             | Ant 5 | Ant 6                      | Ant 5 | Ant 6                       | Ant 5 | Ant 6               | Ant 5 | Ant 6         | Ant 5  | Ant 6                         | Ant 5  |
| HT20 (FCC)    | 5180            | 36    | --                      |       | 24                | 24    | 19.28                      | 18.86 | 19.28                       | 18.86 | 11                  | 11    | 8.369         | 7.781  | 8.369                         | 7.781  |
|               | 5200            | 40    |                         |       |                   |       | 19.95                      | 19.30 | 19.95                       | 19.30 |                     |       | 8.953         | 8.543  | 8.953                         | 8.543  |
|               | 5240            | 48    |                         |       |                   |       | 19.81                      | 19.27 | 19.81                       | 19.27 |                     |       | 8.703         | 8.308  | 8.703                         | 8.308  |
| HT40 (FCC)    | 5190            | 38    | --                      |       | 24                | 24    | 17.39                      | 17.42 | 17.39                       | 17.42 | 11                  | 11    | 2.744         | 3.031  | 2.744                         | 3.031  |
|               | 5230            | 46    |                         |       |                   |       | 19.87                      | 19.38 | 19.87                       | 19.38 |                     |       | 6.483         | 6.378  | 6.483                         | 6.378  |
| VHT80 (FCC)   | 5210            | 42    | --                      |       | 24                | 24    | 17.38                      | 17.42 | 17.38                       | 17.42 | 11                  | 11    | 0.540         | 0.847  | 0.540                         | 0.847  |
| VHT160 (FCC)  | 5250 (Straddle) | 50    | --                      |       | 24                | 24    | 16.34                      | 16.39 | 16.34                       | 16.39 | 11                  | 11    | -2.899        | -2.609 | -2.899                        | -2.609 |



### 9.5.2. 802.11n/ac MIMO CDD MODE IN THE UNII-1 BAND

| UNII-1<br>(MIMO CDD)     | 20MHz | 40MHz | 80MHz | 160MHz |
|--------------------------|-------|-------|-------|--------|
| DCCF (MCS0) (dB)         | 0.00  | 0.00  | 0.00  | 0.00   |
| Un-Correlated Gain (dBi) | -2.80 |       |       |        |
| Correlated Gain (dBi)    | 0.14  |       |       |        |

| UNII-2A<br>(MIMO CDD)    |       |
|--------------------------|-------|
| Straddle Channel         |       |
| Un-Correlated Gain (dBi) | -2.23 |
| Correlated Gain (dBi)    | 0.75  |

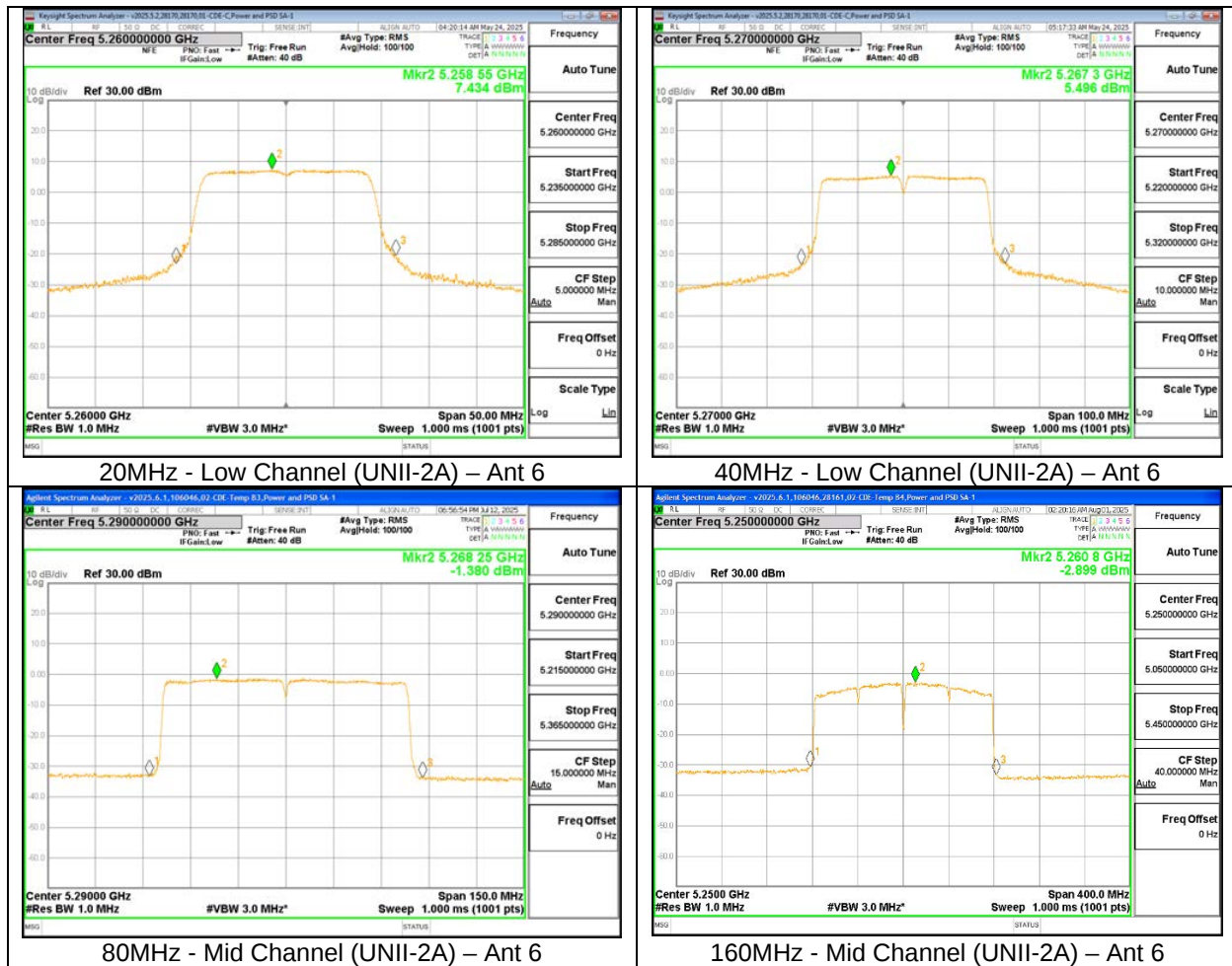
| UNII-1<br>(MIMO CDD) | Freq<br>(MHz)      | Ch. # | Min<br>BW<br>(MHz) | Power<br>Limit<br>(dBm) | Output Power<br>(Gated)<br>(dBm) |       | Total MIMO<br>Corrected<br>Power<br>(dBm) | PSD<br>Limit<br>(dBm/MHz) | PSD<br>(dBm/MHz) |        | Total MIMO<br>Corrected<br>PSD<br>(dBm/MHz) |
|----------------------|--------------------|-------|--------------------|-------------------------|----------------------------------|-------|-------------------------------------------|---------------------------|------------------|--------|---------------------------------------------|
|                      |                    |       |                    |                         | Ant 6                            | Ant 5 |                                           |                           | Ant 6            | Ant 5  |                                             |
| HT20<br>(FCC)        | 5180               | 36    | --                 | 24                      | 17.60                            | 17.52 | 20.57                                     | 11                        | 6.784            | 6.696  | 9.751                                       |
|                      | 5200               | 40    |                    |                         | 18.37                            | 18.34 | 21.37                                     |                           | 7.651            | 7.349  | 10.513                                      |
|                      | 5240               | 48    |                    |                         | 18.04                            | 18.18 | 21.12                                     |                           | 7.170            | 7.124  | 10.157                                      |
| HT40<br>(FCC)        | 5190               | 38    | --                 | 24                      | 15.92                            | 15.87 | 18.91                                     | 11                        | 3.217            | 3.045  | 6.142                                       |
|                      | 5230               | 46    |                    |                         | 19.44                            | 19.41 | 22.44                                     |                           | 6.610            | 6.583  | 9.607                                       |
| VHT80<br>(FCC)       | 5210               | 42    | --                 | 24                      | 16.39                            | 16.34 | 19.38                                     | 11                        | 0.911            | 0.372  | 3.660                                       |
| VHT160<br>(FCC)      | 5250<br>(Straddle) | 50    | --                 | 24                      | 15.43                            | 15.45 | 18.45                                     | 11                        | -3.576           | -3.425 | -0.490                                      |

### 9.5.3. 802.11n/ac SISO MODE IN THE UNII-2A BAND

| UNII-2A (SISO)   | 20MHz | 40MHz | 80MHz | 160MHz |
|------------------|-------|-------|-------|--------|
| DCCF (MCS0) (dB) | 0.00  | 0.00  | 0.00  | 0.00   |
| Ant 6 (dBi)      | -1.50 |       |       |        |
| Ant 5 (dBi)      | -3.10 |       |       |        |

| UNII-1 (SISO)    |       |
|------------------|-------|
| Straddle Channel |       |
| Ant 6 (dBi)      | -1.80 |
| Ant 5 (dBi)      | -4.10 |

| UNII-2A (SISO) | Freq (MHz)      | Ch. # | Minimum Bandwidth (MHz) |        | Power Limit (dBm) |       | Output Power (Gated) (dBm) |       | Total Corrected Power (dBm) |       | PSD Limit (dBm/MHz) |       | PSD (dBm/MHz) |        | Total Corrected PSD (dBm/MHz) |        |
|----------------|-----------------|-------|-------------------------|--------|-------------------|-------|----------------------------|-------|-----------------------------|-------|---------------------|-------|---------------|--------|-------------------------------|--------|
|                |                 |       | Ant 6                   | Ant 5  | Ant 6             | Ant 5 | Ant 6                      | Ant 5 | Ant 6                       | Ant 5 | Ant 6               | Ant 5 | Ant 6         | Ant 5  | Ant 6                         | Ant 5  |
| HT20 (FCC)     | 5260            | 52    | 22.56                   | 21.60  | 24.00             | 24.00 | 19.89                      | 19.38 | 19.89                       | 19.38 | 11.00               | 11.00 | 7.434         | 7.126  | 7.434                         | 7.126  |
|                | 5300            | 60    | 22.83                   | 22.07  | 24.00             | 24.00 | 19.81                      | 19.32 | 19.81                       | 19.32 |                     |       | 7.250         | 6.811  | 7.250                         | 6.811  |
|                | 5320            | 64    | 22.61                   | 21.54  | 24.00             | 24.00 | 19.77                      | 18.89 | 19.77                       | 18.89 |                     |       | 7.122         | 6.588  | 7.122                         | 6.588  |
| HT40 (FCC)     | 5270            | 54    | 44.04                   | 42.21  | 24.00             | 24.00 | 19.89                      | 19.41 | 19.89                       | 19.41 | 11.00               | 11.00 | 5.496         | 4.912  | 5.496                         | 4.912  |
|                | 5310            | 62    | 44.44                   | 42.76  | 24.00             | 24.00 | 17.39                      | 17.35 | 17.39                       | 17.35 |                     |       | 3.075         | 2.788  | 3.075                         | 2.788  |
| VHT80 (FCC)    | 5290            | 58    | 84.77                   | 85.14  | 24.00             | 24.00 | 17.39                      | 17.61 | 17.39                       | 17.61 | 11.00               | 11.00 | -1.380        | -1.296 | -1.380                        | -1.296 |
| VHT160 (FCC)   | 5250 (Straddle) | 50    | 162.80                  | 162.50 | 24.00             | 24.00 | 16.34                      | 16.39 | 16.34                       | 16.39 | 11.00               | 11.00 | -2.899        | -2.609 | -2.899                        | -2.609 |



### 9.5.4. 802.11n/ac MIMO CDD MODE IN THE UNII-2A BAND

| UNII-2A<br>(MIMO CDD)    | 20MHz | 40MHz | 80MHz | 160MHz |
|--------------------------|-------|-------|-------|--------|
| DCCF (MCS0) (dB)         | 0.00  | 0.00  | 0.00  | 0.00   |
| Un-Correlated Gain (dBi) | -2.23 |       |       |        |
| Correlated Gain (dBi)    | 0.75  |       |       |        |

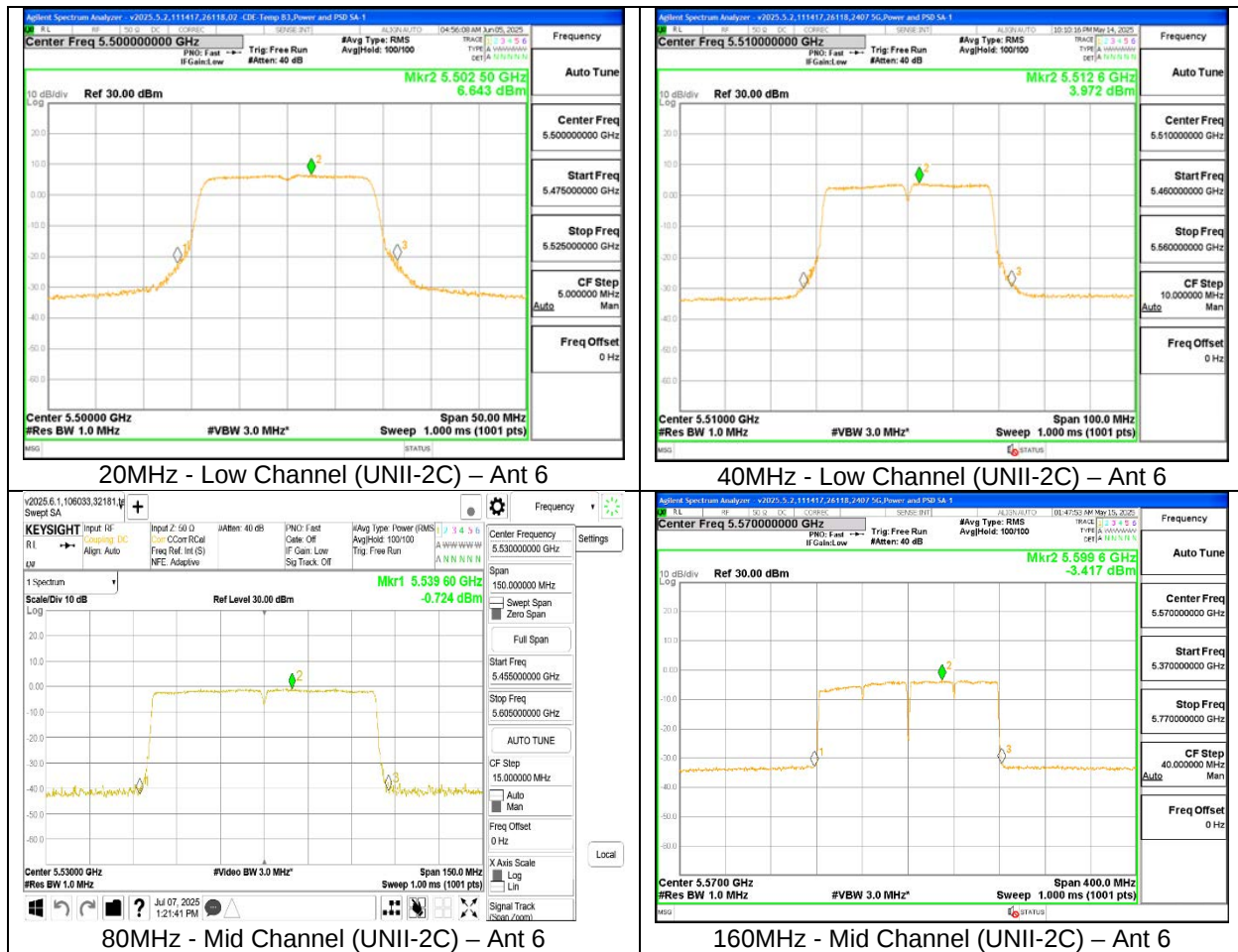
| UNII-1<br>(MIMO CDD)     |       |
|--------------------------|-------|
| Straddle Channel         |       |
| Un-Correlated Gain (dBi) | -2.80 |
| Correlated Gain (dBi)    | 0.14  |

| UNII-2A<br>(MIMO CDD) | Freq<br>(MHz)      | Ch. # | Min<br>BW<br>(MHz) | Power<br>Limit<br>(dBm) | Output Power<br>(Gated)<br>(dBm) |       | Total MIMO<br>Corrected<br>Power<br>(dBm) | PSD<br>Limit<br>(dBm/MHz) | PSD<br>(dBm/MHz) |        | Total MIMO<br>Corrected<br>PSD<br>(dBm/MHz) |
|-----------------------|--------------------|-------|--------------------|-------------------------|----------------------------------|-------|-------------------------------------------|---------------------------|------------------|--------|---------------------------------------------|
|                       |                    |       |                    |                         | Ant 6                            | Ant 5 |                                           |                           | Ant 6            | Ant 5  |                                             |
| HT20<br>(FCC)         | 5260               | 52    | 22.06              | 24.00                   | 18.19                            | 18.21 | 21.21                                     | 11.00                     | 6.247            | 6.264  | 9.266                                       |
|                       | 5300               | 60    | 21.49              | 24.00                   | 18.11                            | 18.15 | 21.14                                     |                           | 5.877            | 5.944  | 8.921                                       |
|                       | 5320               | 64    | 21.65              | 24.00                   | 17.56                            | 17.59 | 20.59                                     |                           | 4.832            | 4.951  | 7.902                                       |
| HT40<br>(FCC)         | 5270               | 54    | 43.15              | 24.00                   | 19.42                            | 19.37 | 22.41                                     | 11.00                     | 5.326            | 5.263  | 8.305                                       |
|                       | 5310               | 62    | 42.22              | 24.00                   | 15.89                            | 15.81 | 18.86                                     |                           | 2.029            | 1.903  | 4.977                                       |
| VHT80<br>(FCC)        | 5290               | 58    | 83.94              | 24.00                   | 15.39                            | 15.32 | 18.37                                     | 11.00                     | -1.906           | -1.994 | 1.061                                       |
| VHT160<br>(FCC)       | 5250<br>(Straddle) | 50    | 162.70             | 24.00                   | 15.43                            | 15.45 | 18.45                                     | 11.00                     | -3.576           | -3.425 | -0.490                                      |

### 9.5.5. 802.11n/ac SISO MODE IN THE UNII-2C BAND

| UNII-2C (SISO)   | 20MHz | 40MHz | 80MHz | 160MHz | UNII-3 (SISO)     |
|------------------|-------|-------|-------|--------|-------------------|
| DCCF (MCS0) (dB) | 0.00  | 0.00  | 0.00  | 0.00   | Straddle Channel  |
| Ant 6 (dBi)      | -1.00 |       |       |        | Ant 6 (dBi) -0.30 |
| Ant 5 (dBi)      | -2.40 |       |       |        | Ant 5 (dBi) -2.20 |

| UNII-2C (SISO) | Freq (MHz)      | Ch. # | Minimum Bandwidth (MHz) |        | Power Limit (dBm) |       | Output Power (Gated) (dBm) |       | Total Corrected Power (dBm) |       | PSD Limit (dBm/MHz) |       | PSD (dBm/MHz) |        | Total Corrected PSD (dBm/MHz) |        |
|----------------|-----------------|-------|-------------------------|--------|-------------------|-------|----------------------------|-------|-----------------------------|-------|---------------------|-------|---------------|--------|-------------------------------|--------|
|                |                 |       | Ant 6                   | Ant 5  | Ant 6             | Ant 5 | Ant 6                      | Ant 5 | Ant 6                       | Ant 5 | Ant 6               | Ant 5 | Ant 6         | Ant 5  | Ant 6                         | Ant 5  |
| HT20 (FCC)     | 5500            | 100   | 22.40                   | 21.11  | 24.00             | 24.00 | 18.62                      | 18.68 | 18.62                       | 18.68 | 11.00               | 11.00 | 6.643         | 6.679  | 6.643                         | 6.679  |
|                | 5580            | 116   | 22.36                   | 21.65  | 24.00             | 24.00 | 19.89                      | 19.41 | 19.89                       | 19.41 |                     |       | 7.656         | 6.888  | 7.656                         | 6.888  |
|                | 5700            | 140   | 22.50                   | 21.43  | 24.00             | 24.00 | 18.37                      | 18.32 | 18.37                       | 18.32 |                     |       | 6.569         | 6.526  | 6.569                         | 6.526  |
|                | 5720 (Straddle) | 144   | 16.41                   | 16.01  | 23.15             | 23.04 | 19.81                      | 19.42 | 19.81                       | 19.42 |                     |       | 7.501         | 6.888  | 7.501                         | 6.888  |
| HT40 (FCC)     | 5510            | 102   | 44.81                   | 42.26  | 24.00             | 24.00 | 16.41                      | 16.38 | 16.41                       | 16.38 | 11.00               | 11.00 | 3.972         | 3.905  | 3.972                         | 3.905  |
|                | 5550            | 110   | 44.14                   | 42.13  | 24.00             | 24.00 | 19.85                      | 19.35 | 19.85                       | 19.35 |                     |       | 7.932         | 8.055  | 7.932                         | 8.055  |
|                | 5670            | 134   | 44.42                   | 41.85  | 24.00             | 24.00 | 19.87                      | 19.29 | 19.87                       | 19.29 |                     |       | 8.118         | 7.828  | 8.118                         | 7.828  |
|                | 5710 (Straddle) | 142   | 27.02                   | 26.05  | 24.00             | 24.00 | 19.81                      | 19.38 | 19.81                       | 19.38 |                     |       | 7.884         | 8.064  | 7.884                         | 8.064  |
| VHT80 (FCC)    | 5530            | 106   | 85.35                   | 84.75  | 24.00             | 24.00 | 17.59                      | 15.87 | 17.59                       | 15.87 | 11.00               | 11.00 | -0.724        | -2.074 | -0.724                        | -2.074 |
|                | 5610            | 122   | 84.73                   | 85.05  | 24.00             | 24.00 | 19.82                      | 19.35 | 19.82                       | 19.35 |                     |       | 1.370         | 1.242  | 1.370                         | 1.242  |
|                | 5690 (Straddle) | 138   | 47.35                   | 47.52  | 24.00             | 24.00 | 19.88                      | 19.39 | 19.88                       | 19.39 |                     |       | 1.643         | 1.542  | 1.643                         | 1.542  |
| VHT160 (FCC)   | 5570            | 114   | 163.30                  | 163.10 | 24.00             | 24.00 | 16.39                      | 16.32 | 16.39                       | 16.32 | 11.00               | 11.00 | -3.417        | -3.804 | -3.417                        | -3.804 |



### 9.5.6. 802.11n/ac MIMO CDD MODE IN THE UNII-2C BAND

| UNII-2C<br>(MIMO CDD)    | 20MHz | 40MHz | 80MHz | 160MHz |
|--------------------------|-------|-------|-------|--------|
| DCCF (MCS0) (dB)         | 0.00  | 0.00  | 0.00  | 0.00   |
| Un-Correlated Gain (dBi) | -1.64 |       |       |        |
| Correlated Gain (dBi)    | 1.34  |       |       |        |

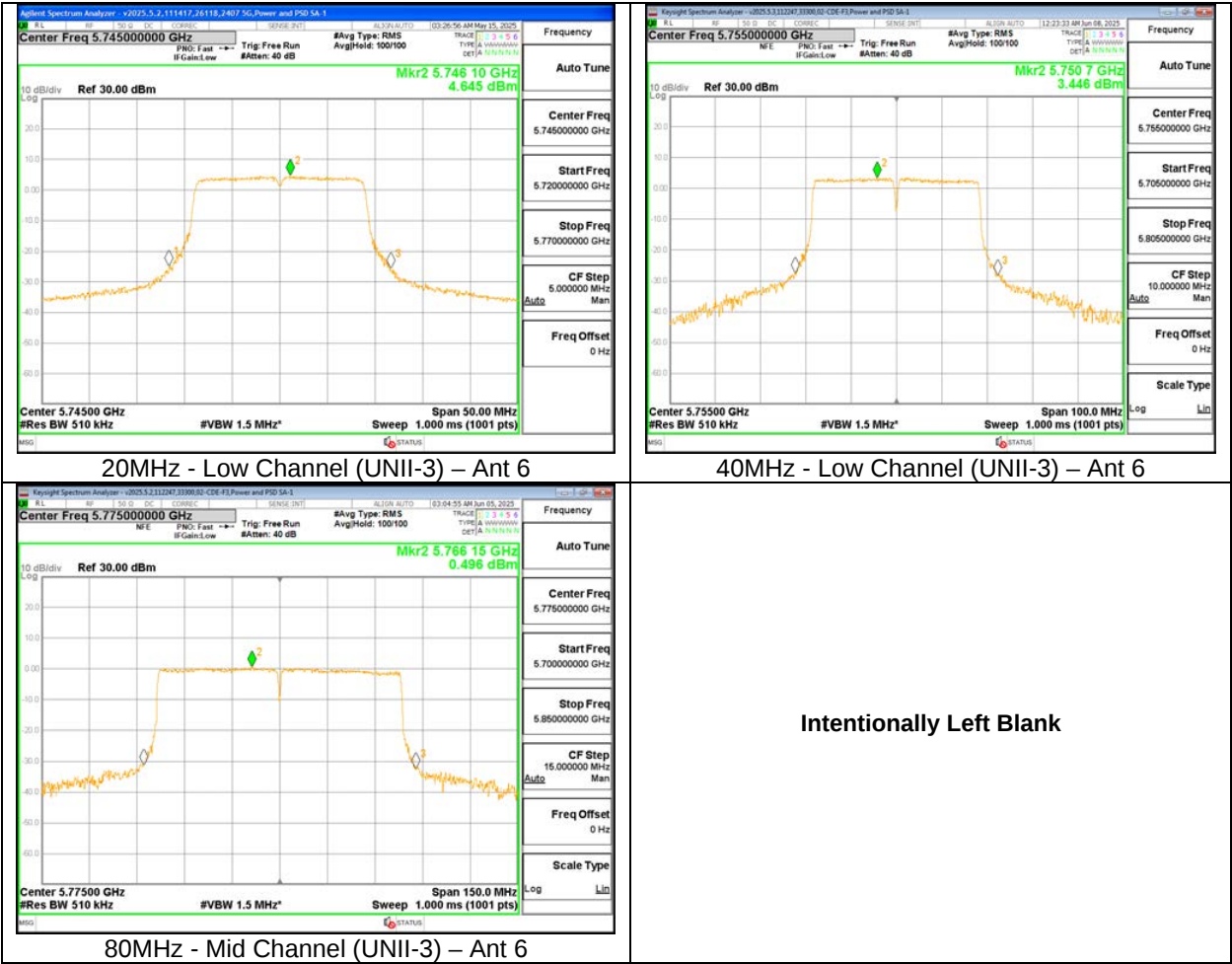
| UNII-3<br>(MIMO CDD)     |       |
|--------------------------|-------|
| Straddle Channel         |       |
| Un-Correlated Gain (dBi) | -1.15 |
| Correlated Gain (dBi)    | 1.81  |

| UNII-2C<br>(MIMO CDD) | Freq<br>(MHz)      | Ch. # | Min<br>BW<br>(MHz) | Power<br>Limit<br>(dBm) | Output Power<br>(Gated)<br>(dBm) |       | Total MIMO<br>Corrected<br>Power<br>(dBm) | PSD<br>Limit<br>(dBm/MHz) | PSD<br>(dBm/MHz) |        | Total MIMO<br>Corrected<br>PSD<br>(dBm/MHz) |
|-----------------------|--------------------|-------|--------------------|-------------------------|----------------------------------|-------|-------------------------------------------|---------------------------|------------------|--------|---------------------------------------------|
|                       |                    |       |                    |                         | Ant 6                            | Ant 5 |                                           |                           | Ant 6            | Ant 5  |                                             |
| HT20<br>(FCC)         | 5500               | 100   | 22.07              | 24.00                   | 17.28                            | 17.31 | 20.31                                     | 11.00                     | 5.728            | 5.872  | 8.811                                       |
|                       | 5580               | 116   | 21.94              | 24.00                   | 18.21                            | 18.14 | 21.19                                     |                           | 7.036            | 6.867  | 9.963                                       |
|                       | 5700               | 140   | 21.76              | 24.00                   | 17.23                            | 17.31 | 20.28                                     |                           | 5.909            | 5.966  | 8.948                                       |
|                       | 5720<br>(Straddle) | 144   | 15.79              | 22.98                   | 17.94                            | 17.86 | 20.91                                     |                           | 6.483            | 6.670  | 9.588                                       |
| HT40<br>(FCC)         | 5510               | 102   | 42.13              | 24.00                   | 15.39                            | 15.35 | 18.38                                     | 11.00                     | 2.854            | 2.532  | 5.706                                       |
|                       | 5550               | 110   | 42.53              | 24.00                   | 19.31                            | 19.29 | 22.31                                     |                           | 7.531            | 7.461  | 10.506                                      |
|                       | 5670               | 134   | 42.84              | 24.00                   | 19.33                            | 19.35 | 22.35                                     |                           | 7.652            | 7.736  | 10.705                                      |
|                       | 5710<br>(Straddle) | 142   | 26.17              | 24.00                   | 19.42                            | 19.39 | 22.42                                     |                           | 7.897            | 7.884  | 10.901                                      |
| VHT80<br>(FCC)        | 5530               | 106   | 83.88              | 24.00                   | 15.21                            | 15.17 | 18.20                                     | 11.00                     | -3.598           | -3.742 | -0.659                                      |
|                       | 5610               | 122   | 82.75              | 24.00                   | 19.34                            | 19.31 | 22.34                                     |                           | 1.173            | 1.145  | 4.169                                       |
|                       | 5690<br>(Straddle) | 138   | 46.57              | 24.00                   | 19.37                            | 19.41 | 22.40                                     |                           | 1.333            | 1.546  | 4.451                                       |
| VHT160<br>(FCC)       | 5570               | 114   | 163.10             | 24.00                   | 15.49                            | 15.35 | 18.43                                     | 11.00                     | -4.403           | -4.655 | -1.517                                      |

### 9.5.7. 802.11n/ac SISO MODE IN THE UNII-3 BAND

| UNII-3 (SISO)    | 20MHz | 40MHz | 80MHz | 160MHz |
|------------------|-------|-------|-------|--------|
| DCCF (MCS0) (dB) | 0.00  | 0.00  | 0.00  | N/A    |
| Ant 6 (dBi)      | -0.30 |       |       |        |
| Ant 5 (dBi)      | -2.20 |       |       |        |

| UNII-3 (SISO) | Freq (MHz) | Ch. # | Minimum Bandwidth (MHz) |       | Power Limit (dBm) |       | Output Power (Gated) (dBm) |       | Total Corrected Power (dBm) |       | PSD Limit (dBm/500kHz) |       | PSD (dBm/MHz) |       | Total Corrected PSD (dBm/500kHz) |       |
|---------------|------------|-------|-------------------------|-------|-------------------|-------|----------------------------|-------|-----------------------------|-------|------------------------|-------|---------------|-------|----------------------------------|-------|
|               |            |       | Ant 6                   | Ant 5 | Ant 6             | Ant 5 | Ant 6                      | Ant 5 | Ant 6                       | Ant 5 | Ant 6                  | Ant 5 | Ant 6         | Ant 5 | Ant 6                            | Ant 5 |
| HT20          | 5745       | 149   | --                      |       | 30                | 30    | 19.83                      | 19.29 | 19.83                       | 19.29 | 30                     | 30    | 4.645         | 4.061 | 4.645                            | 4.061 |
|               | 5785       | 157   |                         |       |                   |       | 19.87                      | 19.34 | 19.87                       | 19.34 |                        |       | 4.766         | 4.133 | 4.766                            | 4.133 |
|               | 5825       | 165   |                         |       |                   |       | 19.91                      | 19.39 | 19.91                       | 19.39 |                        |       | 5.161         | 4.529 | 5.161                            | 4.529 |
| HT40          | 5755       | 151   | --                      |       | 30                | 30    | 19.81                      | 19.41 | 19.81                       | 19.41 | 30                     | 30    | 3.446         | 3.331 | 3.446                            | 3.331 |
|               | 5795       | 159   |                         |       |                   |       | 19.88                      | 19.34 | 19.88                       | 19.34 |                        |       | 3.658         | 3.017 | 3.658                            | 3.017 |
| VHT80         | 5775       | 155   | --                      |       | 30                | 30    | 19.89                      | 19.37 | 19.89                       | 19.37 | 30                     | 30    | 0.496         | 0.142 | 0.496                            | 0.142 |



**9.5.8. 802.11n/ac MIMO CDD MODE IN THE UNII-3 BAND**

| UNII-3<br>(MIMO CDD)     | 20MHz | 40MHz | 80MHz | 160MHz |
|--------------------------|-------|-------|-------|--------|
| DCCF (MCS0) (dB)         | 0.00  | 0.00  | 0.00  | N/A    |
| Un-Correlated Gain (dBi) | -1.15 |       |       |        |
| Correlated Gain (dBi)    | 1.81  |       |       |        |

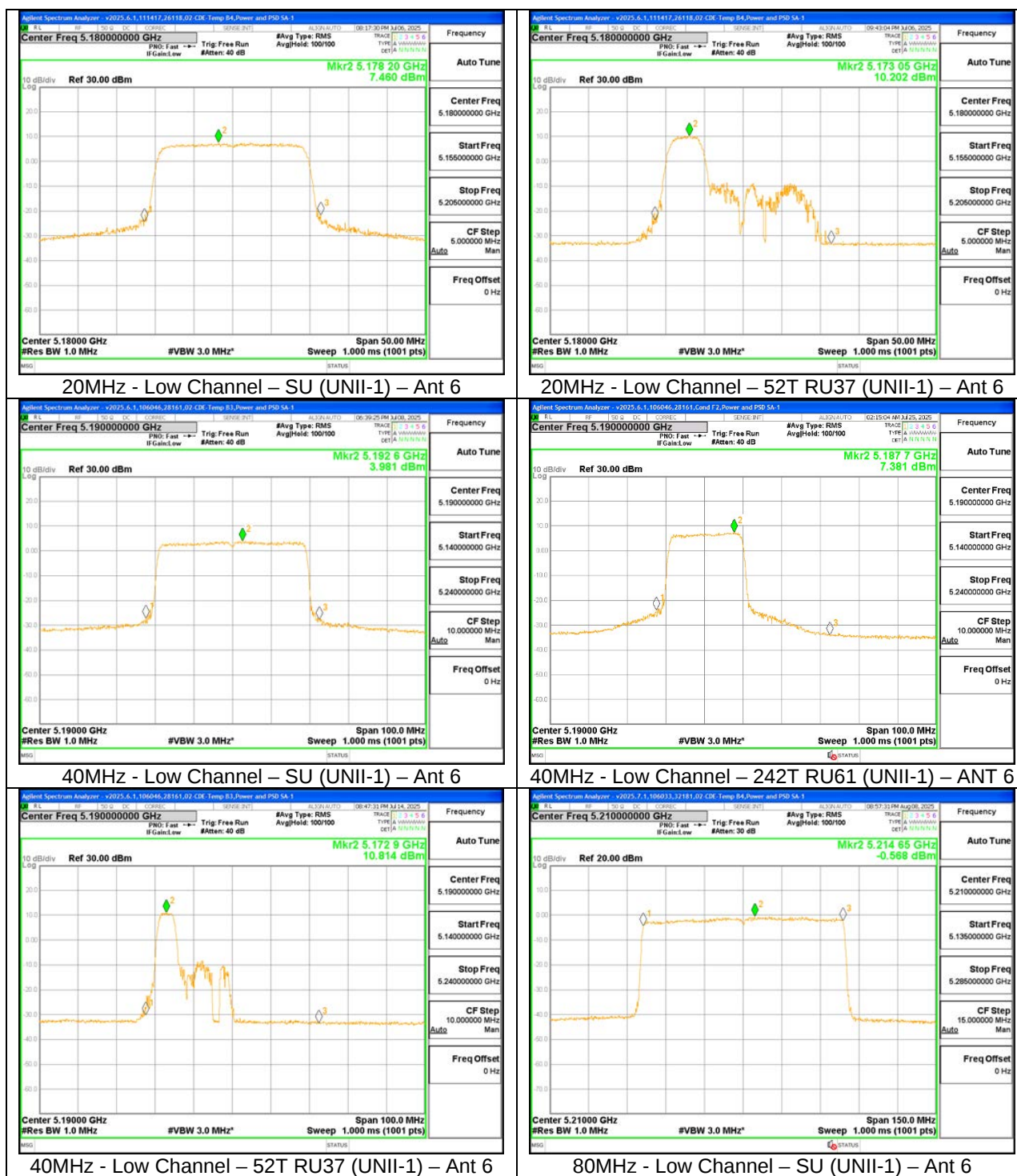
| UNII-3<br>(MIMO CDD) | Freq<br>(MHz) | Ch. # | Min<br>BW<br>(MHz) | Power<br>Limit<br>(dBm) | Output Power<br>(Gated)<br>(dBm) |       | Total MIMO<br>Corrected<br>Power<br>(dBm) | PSD<br>Limit<br>(dBm/500kHz) | PSD<br>(dBm/500kHz) |        | Total MIMO<br>Corrected<br>PSD<br>(dBm/500kHz) |
|----------------------|---------------|-------|--------------------|-------------------------|----------------------------------|-------|-------------------------------------------|------------------------------|---------------------|--------|------------------------------------------------|
|                      |               |       |                    |                         | Ant 6                            | Ant 5 |                                           |                              | Ant 6               | Ant 5  |                                                |
| HT20                 | 5745          | 149   | --                 | 30                      | 19.33                            | 19.36 | 22.36                                     | 30                           | 4.326               | 4.527  | 7.438                                          |
|                      | 5785          | 157   |                    |                         | 19.40                            | 19.28 | 22.35                                     |                              | 4.684               | 4.255  | 7.485                                          |
|                      | 5825          | 165   |                    |                         | 19.48                            | 19.44 | 22.47                                     |                              | 5.318               | 4.868  | 8.109                                          |
| HT40                 | 5755          | 151   | --                 | 30                      | 19.49                            | 19.37 | 22.44                                     | 30                           | 2.057               | 1.713  | 4.899                                          |
|                      | 5795          | 159   |                    |                         | 19.42                            | 19.33 | 22.39                                     |                              | 2.043               | 1.665  | 4.868                                          |
| VHT80                | 5775          | 155   | --                 | 30                      | 19.39                            | 19.32 | 22.37                                     | 30                           | -0.986              | -1.229 | 1.904                                          |

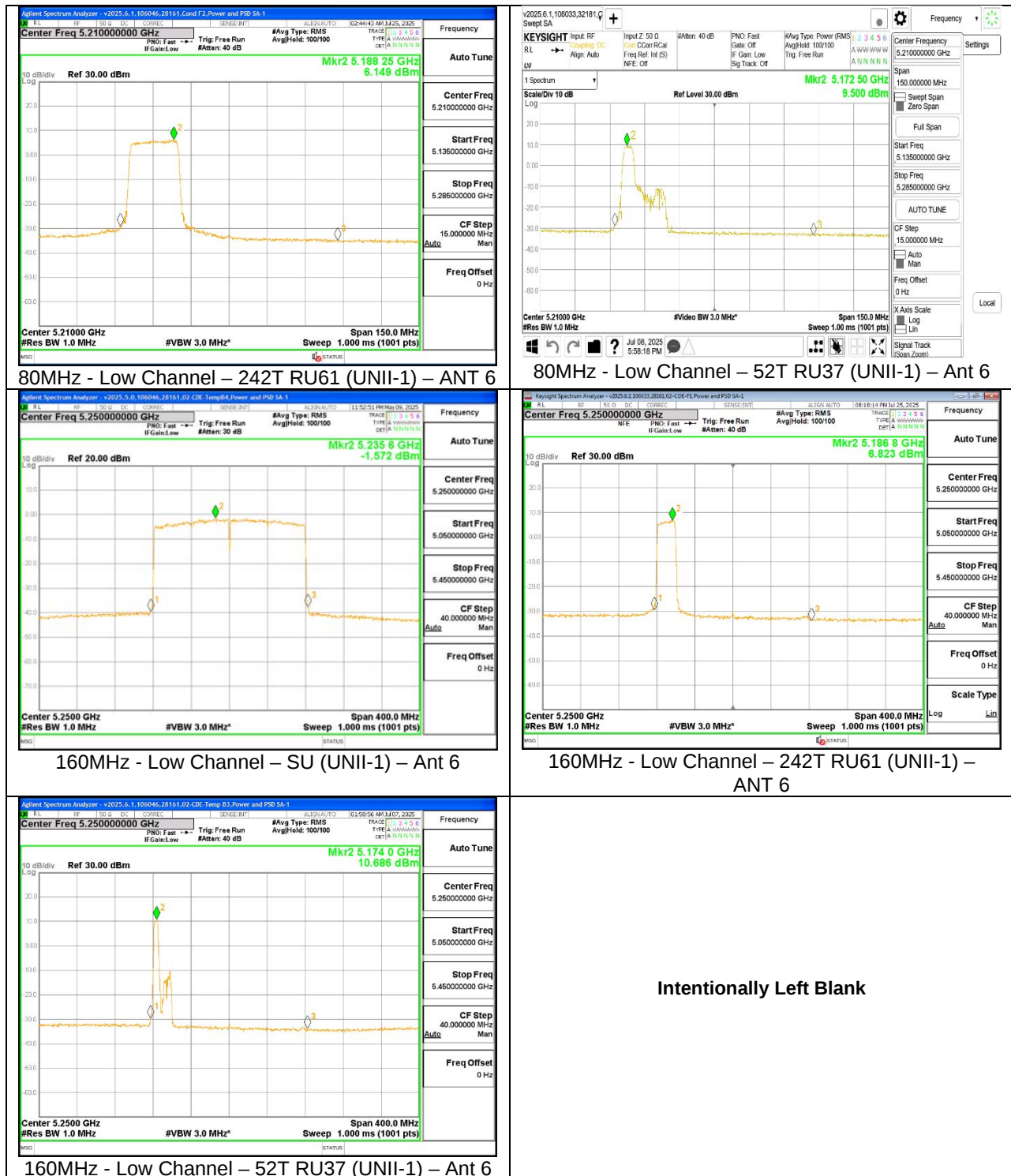
### 9.5.9. 802.11be SISO MODE IN THE UNII-1 BAND

| UNII-1<br>(SISO) | 20MHz |      | 40MHz |      |      | 80MHz |      |      | 160MHz |      |      |
|------------------|-------|------|-------|------|------|-------|------|------|--------|------|------|
|                  | SU    | 52T  | SU    | 242T | 52T  | SU    | 242T | 52T  | SU     | 242T | 52T  |
| DCCF (MCS0) (dB) | 0.00  | 0.00 | 0.00  | 0.00 | 0.15 | 0.00  | 0.00 | 0.17 | 0.00   | 0.10 | 0.20 |
| Ant 6 (dBi)      | -1.80 |      |       |      |      |       |      |      |        |      |      |
| Ant 5 (dBi)      | -4.10 |      |       |      |      |       |      |      |        |      |      |

| UNII-2A<br>(SISO) |       |
|-------------------|-------|
| Straddle Channel  |       |
| Ant 6 (dBi)       | -1.50 |
| Ant 5 (dBi)       | -3.10 |

| UNII-1<br>(SISO) | Freq<br>(MHz) | Ch. # | Tone            | RU<br>Index        | Minimum<br>Bandwidth<br>(MHz) |       | Power<br>Limit<br>(dBm) |       | Output Power<br>(Gated)<br>(dBm) |        | Total<br>Corrected<br>Power<br>(dBm) |        | PSD<br>Limit<br>(dBm/MHz) |        | PSD<br>(dBm/MHz) |        | Total<br>Corrected<br>PSD<br>(dBm/MHz) |       |
|------------------|---------------|-------|-----------------|--------------------|-------------------------------|-------|-------------------------|-------|----------------------------------|--------|--------------------------------------|--------|---------------------------|--------|------------------|--------|----------------------------------------|-------|
|                  |               |       |                 |                    | Ant 6                         | Ant 5 | Ant 6                   | Ant 5 | Ant 6                            | Ant 5  | Ant 6                                | Ant 5  | Ant 6                     | Ant 5  | Ant 6            | Ant 5  | Ant 6                                  | Ant 5 |
| EHT20<br>(FCC)   | 5180          | 36    | SU              | --                 | --                            | 24.00 | 24.00                   | 18.81 | 18.44                            | 18.81  | 18.44                                | 11.00  | 11.00                     | 7.460  | 6.987            | 7.460  | 6.987                                  |       |
|                  |               |       | 52T             | 37                 |                               |       |                         | 15.14 | 14.69                            | 15.14  | 14.69                                |        |                           | 10.202 | 9.596            | 10.202 | 9.596                                  |       |
|                  |               |       |                 | 38                 |                               |       |                         | 15.07 | 14.79                            | 15.07  | 14.79                                |        |                           | 10.276 | 9.655            | 10.276 | 9.655                                  |       |
|                  |               |       |                 | 40                 |                               |       |                         | 15.02 | 14.70                            | 15.02  | 14.70                                |        |                           | 10.480 | 9.790            | 10.480 | 9.790                                  |       |
|                  | 5200          | 40    | SU              | --                 |                               |       |                         | 19.87 | 19.34                            | 19.87  | 19.34                                |        |                           | 8.476  | 8.158            | 8.476  | 8.158                                  |       |
|                  |               |       | 52T             | 37                 |                               |       |                         | 14.74 | 14.81                            | 14.74  | 14.81                                |        |                           | 9.717  | 9.685            | 9.717  | 9.685                                  |       |
|                  |               |       |                 | 38                 |                               |       |                         | 14.78 | 14.71                            | 14.78  | 14.71                                |        |                           | 9.623  | 9.535            | 9.623  | 9.535                                  |       |
|                  |               |       |                 | 40                 |                               |       |                         | 14.81 | 14.72                            | 14.81  | 14.72                                |        |                           | 9.990  | 9.850            | 9.990  | 9.850                                  |       |
|                  | 5240          | 48    | SU              | --                 |                               |       |                         | 19.91 | 19.28                            | 19.91  | 19.28                                |        |                           | 8.670  | 8.144            | 8.670  | 8.144                                  |       |
|                  |               |       | 52T             | 37                 |                               |       |                         | 14.61 | 14.63                            | 14.61  | 14.63                                |        |                           | 9.566  | 9.514            | 9.566  | 9.514                                  |       |
|                  |               |       |                 | 38                 |                               |       |                         | 14.69 | 14.73                            | 14.69  | 14.73                                |        |                           | 9.437  | 9.308            | 9.437  | 9.308                                  |       |
|                  |               |       |                 | 40                 |                               |       |                         | 14.71 | 14.69                            | 14.71  | 14.69                                |        |                           | 9.550  | 9.530            | 9.550  | 9.530                                  |       |
| EHT40<br>(FCC)   | 5190          | 38    | SU              | --                 | --                            | 24.00 | 24.00                   | 16.89 | 16.39                            | 16.89  | 16.39                                | 11.00  | 11.00                     | 3.981  | 3.644            | 3.981  | 3.644                                  |       |
|                  |               |       | 242T            | 61                 |                               |       |                         | 17.91 | 17.85                            | 17.91  | 17.85                                |        |                           | 7.381  | 7.155            | 7.381  | 7.155                                  |       |
|                  |               |       |                 | 62                 |                               |       |                         | 19.85 | 19.42                            | 19.85  | 19.42                                |        |                           | 9.591  | 9.490            | 9.591  | 9.490                                  |       |
|                  |               |       |                 | 37                 |                               |       |                         | 14.77 | 14.67                            | 14.77  | 14.67                                |        |                           | 10.814 | 10.761           | 10.964 | 10.911                                 |       |
|                  | 5230          | 46    | 52T             | 41                 |                               |       |                         | 14.81 | 14.76                            | 14.81  | 14.76                                |        |                           | 10.785 | 10.711           | 10.935 | 10.861                                 |       |
|                  |               |       |                 | 44                 |                               |       |                         | 14.84 | 14.63                            | 14.84  | 14.63                                |        |                           | 10.752 | 10.529           | 10.902 | 10.679                                 |       |
|                  |               |       |                 | --                 |                               |       |                         | 19.87 | 19.49                            | 19.87  | 19.49                                |        |                           | 6.405  | 6.176            | 6.405  | 6.176                                  |       |
|                  |               |       | 242T            | 61                 |                               |       |                         | 19.81 | 19.35                            | 19.81  | 19.35                                |        |                           | 9.523  | 9.458            | 9.523  | 9.458                                  |       |
|                  |               |       |                 | 62                 |                               |       |                         | 19.91 | 19.39                            | 19.91  | 19.39                                |        |                           | 9.636  | 9.580            | 9.636  | 9.580                                  |       |
|                  |               |       |                 | 37                 |                               |       |                         | 14.63 | 14.60                            | 14.63  | 14.60                                |        |                           | 10.839 | 10.762           | 10.989 | 10.912                                 |       |
|                  |               |       | 52T             | 41                 |                               |       |                         | 14.63 | 14.66                            | 14.63  | 14.66                                |        |                           | 10.787 | 10.810           | 10.937 | 10.960                                 |       |
|                  |               |       |                 | 44                 |                               |       |                         | 14.71 | 14.64                            | 14.71  | 14.64                                |        |                           | 10.810 | 10.597           | 10.960 | 10.747                                 |       |
| EHT80<br>(FCC)   | 5210          | 42    | SU              | --                 | --                            | 24.00 | 24.00                   | 16.34 | 16.39                            | 16.34  | 16.39                                | 11.00  | 11.00                     | -0.827 | -0.666           | -0.827 | -0.666                                 |       |
|                  |               |       | 242T            | 61                 |                               |       |                         | 17.85 | 17.89                            | 17.85  | 17.89                                |        |                           | 6.149  | 6.400            | 6.149  | 6.400                                  |       |
|                  |               |       |                 | 62                 |                               |       |                         | 19.89 | 19.39                            | 19.89  | 19.39                                |        |                           | 8.046  | 7.462            | 8.046  | 7.462                                  |       |
|                  |               |       |                 | 64                 |                               |       |                         | 19.94 | 19.45                            | 19.94  | 19.45                                |        |                           | 8.111  | 7.550            | 8.111  | 7.550                                  |       |
|                  |               |       | 52T             | 37                 |                               |       |                         | 14.69 | 14.65                            | 14.69  | 14.65                                |        |                           | 9.500  | 9.429            | 9.650  | 9.579                                  |       |
|                  |               |       |                 | 45                 |                               |       |                         | 14.61 | 14.55                            | 14.61  | 14.55                                |        |                           | 9.364  | 9.212            | 9.514  | 9.362                                  |       |
|                  |               |       |                 | 52                 |                               |       |                         | 14.71 | 14.59                            | 14.71  | 14.59                                |        |                           | 9.568  | 9.251            | 9.718  | 9.401                                  |       |
|                  |               |       | EHT160<br>(FCC) | 5250<br>(Straddle) |                               |       |                         | 50    | SU                               | --     | --                                   |        |                           | 24.00  | 24.00            | 15.87  | 15.91                                  | 15.87 |
| 242T             | 61            | 17.91 |                 |                    | 17.84                         | 17.91 | 17.84                   |       | 6.823                            | 6.704  |                                      | 6.923  | 6.804                     |        |                  |        |                                        |       |
|                  | 62            | 19.91 |                 |                    | 19.40                         | 19.91 | 19.40                   |       | 8.715                            | 8.138  |                                      | 8.815  | 8.238                     |        |                  |        |                                        |       |
|                  | S64           | 17.94 |                 |                    | 17.91                         | 17.94 | 17.91                   |       | 7.054                            | 6.999  |                                      | 7.154  | 7.099                     |        |                  |        |                                        |       |
| 52T              | 37            | 14.71 |                 |                    | 14.59                         | 14.71 | 14.59                   |       | 10.686                           | 10.437 |                                      | 10.886 | 10.637                    |        |                  |        |                                        |       |
|                  | 52            | 14.61 |                 |                    | 14.63                         | 14.61 | 14.63                   |       | 10.501                           | 10.540 |                                      | 10.701 | 10.740                    |        |                  |        |                                        |       |
|                  | S52           | 14.55 |                 |                    | 14.68                         | 14.55 | 14.68                   |       | 10.299                           | 10.581 |                                      | 10.499 | 10.781                    |        |                  |        |                                        |       |





### 9.5.10. 802.11be MIMO CDD MODE IN THE UNII-1 BAND

| UNII-1<br>(MIMO CDD)     | 20MHz |      | 40MHz |      |      | 80MHz |      |      | 160MHz |      |      |
|--------------------------|-------|------|-------|------|------|-------|------|------|--------|------|------|
|                          | SU    | 52T  | SU    | 242T | 52T  | SU    | 242T | 52T  | SU     | 242T | 52T  |
| DCCF (MCS0) (dB)         | 0.00  | 0.00 | 0.00  | 0.00 | 0.15 | 0.00  | 0.00 | 0.00 | 0.00   | 0.10 | 0.20 |
| Un-Correlated Gain (dBi) | -2.80 |      |       |      |      |       |      |      |        |      |      |
| Correlated Gain (dBi)    | 0.14  |      |       |      |      |       |      |      |        |      |      |

| UNII-2A<br>(MIMO CDD) |       |
|-----------------------|-------|
| Straddle Channel      |       |
| In-Corr. Gain (dBi)   | -2.23 |
| Corr. Gain (dBi)      | 0.75  |

| UNII-2A<br>(MIMO CDD) | Freq<br>(MHz)      | Ch. # | Tone | RU<br>Index | Min<br>BW<br>(MHz) | Power<br>Limit<br>(dBm) | Output Power<br>(Gated)<br>(dBm) |       | Total<br>MIMO<br>Corrected<br>Power<br>(dBm) | PSD<br>Limit<br>(dBm/MHz) | PSD<br>(dBm/MHz) |        | Total MIMO<br>Corrected<br>PSD<br>(dBm/MHz) |
|-----------------------|--------------------|-------|------|-------------|--------------------|-------------------------|----------------------------------|-------|----------------------------------------------|---------------------------|------------------|--------|---------------------------------------------|
|                       |                    |       |      |             |                    |                         | Ant 6                            | Ant 5 |                                              |                           | Ant 6            | Ant 5  |                                             |
| EHT20<br>(FCC)        | 5180               | 36    | SU   | --          | 24                 | 24                      | 17.31                            | 17.42 | 20.38                                        | 11                        | 6.223            | 6.340  | 9.292                                       |
|                       |                    |       | 37   |             |                    |                         | 11.80                            | 11.83 | 14.83                                        |                           | 6.683            | 6.700  | 9.702                                       |
|                       |                    |       | 52T  | 38          |                    |                         | 11.72                            | 11.70 | 14.72                                        |                           | 6.722            | 6.678  | 9.710                                       |
|                       |                    |       | 40   |             |                    |                         | 11.84                            | 11.69 | 14.78                                        |                           | 6.900            | 6.630  | 9.777                                       |
|                       | 5200               | 40    | SU   | --          |                    |                         | 18.12                            | 18.21 | 21.18                                        |                           | 6.546            | 6.838  | 9.705                                       |
|                       |                    |       | 37   |             |                    |                         | 11.74                            | 11.86 | 14.81                                        |                           | 6.664            | 6.790  | 9.738                                       |
|                       |                    |       | 52T  | 38          |                    |                         | 11.77                            | 11.66 | 14.73                                        |                           | 6.839            | 6.629  | 9.746                                       |
|                       |                    |       | 40   |             |                    |                         | 11.78                            | 11.75 | 14.78                                        |                           | 6.890            | 6.670  | 9.792                                       |
|                       | 5240               | 48    | SU   | --          |                    |                         | 18.17                            | 18.15 | 21.17                                        |                           | 6.693            | 6.606  | 9.660                                       |
|                       |                    |       | 37   |             |                    |                         | 11.64                            | 11.60 | 14.63                                        |                           | 6.545            | 6.534  | 9.550                                       |
|                       |                    |       | 52T  | 38          |                    |                         | 11.62                            | 11.71 | 14.68                                        |                           | 6.438            | 6.543  | 9.501                                       |
|                       |                    |       | 40   |             |                    |                         | 11.66                            | 11.63 | 14.66                                        |                           | 6.660            | 6.420  | 9.552                                       |
| EHT40<br>(FCC)        | 5190               | 38    | SU   | --          | 24                 | 24                      | 15.77                            | 15.89 | 18.84                                        | 11                        | 2.354            | 2.378  | 5.376                                       |
|                       |                    |       | 242T | 61          |                    |                         | 16.92                            | 16.84 | 19.89                                        |                           | 4.241            | 4.139  | 7.201                                       |
|                       |                    |       | 62   |             |                    |                         | 18.23                            | 18.16 | 21.21                                        |                           | 5.302            | 5.278  | 8.300                                       |
|                       |                    |       | 37   |             |                    |                         | 11.58                            | 11.66 | 14.63                                        |                           | 5.978            | 6.033  | 9.166                                       |
|                       | 5230               | 46    | 41   |             |                    |                         | 11.74                            | 11.64 | 14.70                                        |                           | 6.006            | 6.054  | 9.190                                       |
|                       |                    |       | 44   |             |                    |                         | 11.69                            | 11.56 | 14.64                                        |                           | 6.048            | 5.898  | 9.134                                       |
|                       |                    |       | SU   | --          |                    |                         | 19.41                            | 19.38 | 22.41                                        |                           | 6.186            | 6.065  | 9.136                                       |
|                       |                    |       | 242T | 61          |                    |                         | 18.19                            | 18.21 | 21.21                                        |                           | 5.334            | 5.441  | 8.398                                       |
|                       |                    |       | 62   |             |                    |                         | 18.15                            | 18.24 | 21.21                                        |                           | 5.304            | 5.497  | 8.412                                       |
|                       |                    |       | 37   |             |                    |                         | 11.59                            | 11.56 | 14.59                                        |                           | 6.104            | 5.887  | 9.157                                       |
|                       |                    |       | 41   |             |                    |                         | 11.57                            | 11.67 | 14.63                                        |                           | 6.154            | 6.026  | 9.251                                       |
|                       |                    |       | 44   |             |                    |                         | 11.79                            | 11.64 | 14.73                                        |                           | 5.917            | 5.928  | 9.083                                       |
| EHT80<br>(FCC)        | 5210               | 42    | SU   | --          | 24                 | 24                      | 15.84                            | 15.92 | 18.89                                        | 11                        | -0.811           | 0.390  | 2.841                                       |
|                       |                    |       | 242T | 61          |                    |                         | 16.91                            | 16.87 | 19.90                                        |                           | 4.923            | 4.748  | 7.847                                       |
|                       |                    |       | 62   |             |                    |                         | 18.24                            | 18.19 | 21.23                                        |                           | 5.906            | 5.781  | 8.854                                       |
|                       |                    |       | 64   |             |                    |                         | 18.15                            | 18.21 | 21.19                                        |                           | 5.763            | 5.806  | 8.795                                       |
|                       |                    |       | 37   |             |                    |                         | 11.59                            | 11.57 | 14.59                                        |                           | 6.478            | 6.313  | 9.407                                       |
|                       |                    |       | 52T  | 45          |                    |                         | 11.65                            | 11.69 | 14.68                                        |                           | 6.584            | 6.599  | 9.602                                       |
|                       |                    |       | 52   |             |                    |                         | 11.71                            | 11.61 | 14.67                                        |                           | 6.631            | 6.542  | 9.597                                       |
|                       |                    |       | SU   | --          |                    |                         | 15.32                            | 15.39 | 18.37                                        |                           | -4.556           | -4.463 | -1.499                                      |
| EHT160<br>(FCC)       | 5250<br>(Straddle) | 50    | 61   |             | 24                 | 24                      | 16.85                            | 16.91 | 19.89                                        | 11                        | 5.886            | 5.988  | 9.048                                       |
|                       |                    |       | 242T | 62          |                    |                         | 18.21                            | 18.25 | 21.24                                        |                           | 6.911            | 6.959  | 10.045                                      |
|                       |                    |       | 64   |             |                    |                         | 16.89                            | 16.94 | 19.93                                        |                           | 5.895            | 6.011  | 9.064                                       |
|                       |                    |       | 37   |             |                    |                         | 11.61                            | 11.59 | 14.61                                        |                           | 5.680            | 5.522  | 8.812                                       |
|                       |                    |       | 52T  | 52          |                    |                         | 11.69                            | 11.72 | 14.72                                        |                           | 5.673            | 5.457  | 8.777                                       |
|                       |                    |       | 552  |             |                    |                         | 11.55                            | 11.65 | 14.61                                        |                           | 5.696            | 5.346  | 8.735                                       |
|                       |                    |       | SU   | --          |                    |                         | 15.32                            | 15.39 | 18.37                                        |                           | -4.556           | -4.463 | -1.499                                      |
|                       |                    |       | 61   |             |                    |                         | 16.85                            | 16.91 | 19.89                                        |                           | 5.886            | 5.988  | 9.048                                       |

### 9.5.11. 802.11be SISO MODE IN THE UNII-2A BAND

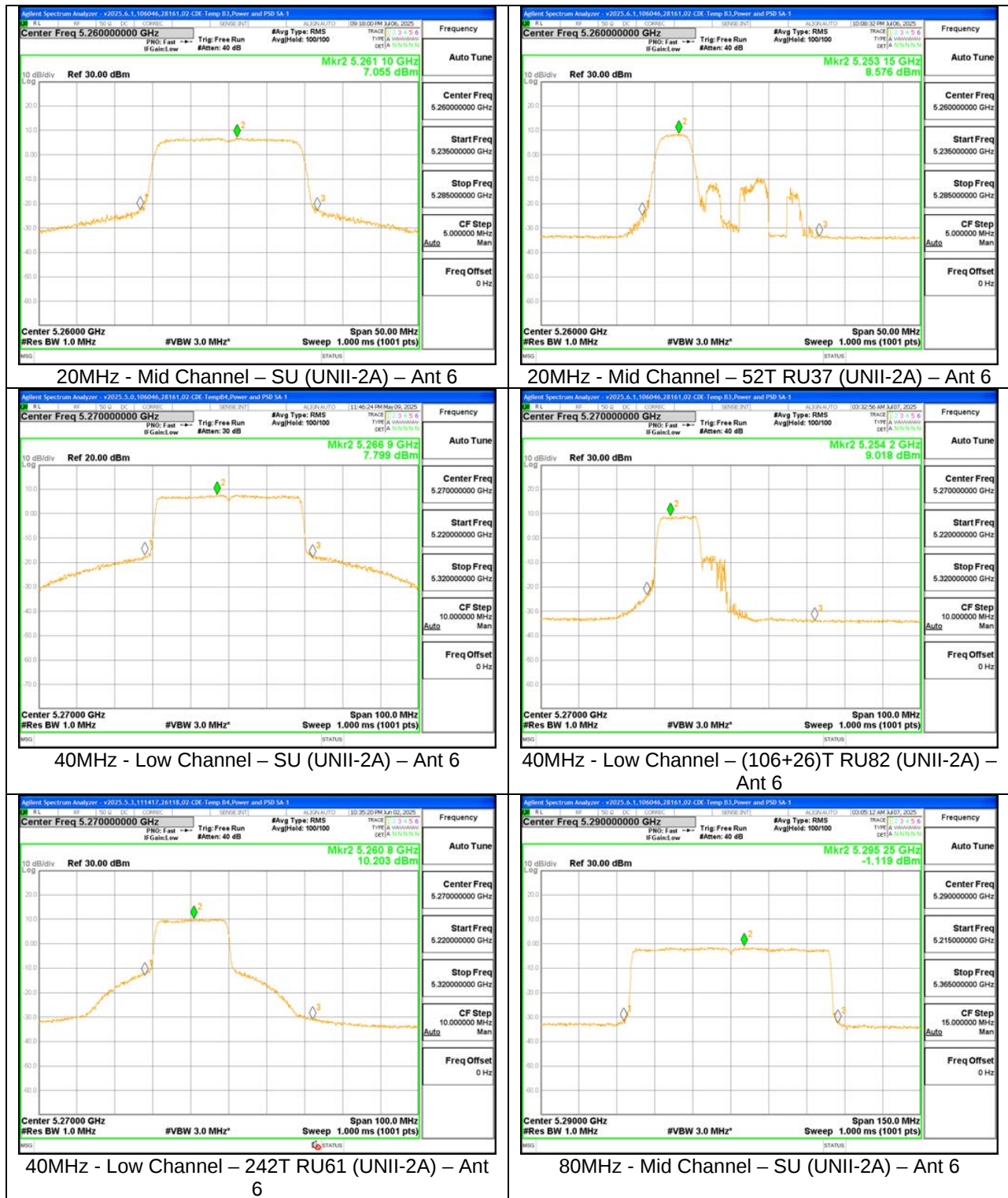
| UNII-2A<br>(SISO) | 20MHz |      | 40MHz |      |           | 80MHz |      |      | 160MHz |      |      |
|-------------------|-------|------|-------|------|-----------|-------|------|------|--------|------|------|
|                   | SU    | 52T  | SU    | 242T | (106+26)T | SU    | 484T | 52T  | SU     | 242T | 52T  |
| DCCF (MCS0) (dB)  | 0.00  | 0.00 | 0.00  | 0.00 | 0.00      | 0.00  | 0.00 | 0.17 | 0.00   | 0.10 | 0.20 |
| Ant 6 (dBi)       | -1.50 |      |       |      |           |       |      |      |        |      |      |
| Ant 5 (dBi)       | -3.10 |      |       |      |           |       |      |      |        |      |      |

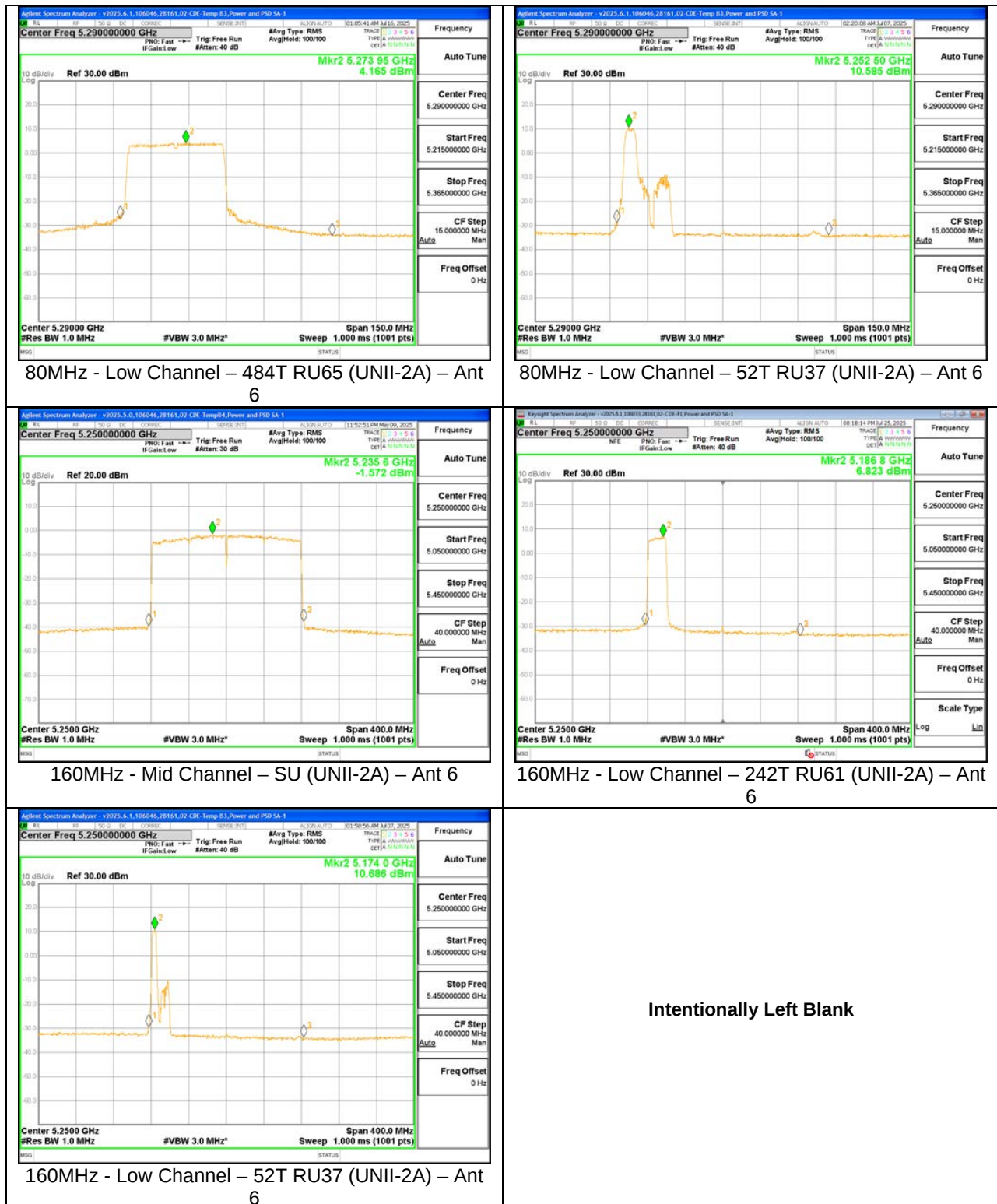
  

| UNII-1<br>(SISO) |       |
|------------------|-------|
| Straddle Channel |       |
| Ant 6 (dBi)      | -1.80 |
| Ant 5 (dBi)      | -4.10 |

| UNII-2A<br>(SISO) | Freq<br>(MHz)      | Ch. # | Tone      | RU<br>Index | Minimum<br>Bandwidth<br>(MHz) |        | Power<br>Limit<br>(dBm) |       | Output Power<br>(Gated)<br>(dBm) |       | Total<br>Corrected<br>Power<br>(dBm) |       | PSD<br>Limit<br>(dBm/MHz) |       | PSD<br>(dBm/MHz) |        | Total<br>Corrected<br>PSD<br>(dBm/MHz) |        |
|-------------------|--------------------|-------|-----------|-------------|-------------------------------|--------|-------------------------|-------|----------------------------------|-------|--------------------------------------|-------|---------------------------|-------|------------------|--------|----------------------------------------|--------|
|                   |                    |       |           |             | Ant 6                         | Ant 5  | Ant 6                   | Ant 5 | Ant 6                            | Ant 5 | Ant 6                                | Ant 5 | Ant 6                     | Ant 5 | Ant 6            | Ant 5  | Ant 6                                  | Ant 5  |
| EHT20<br>(FCC)    | 5260               | 52    | SU        | --          | 22.03                         | 21.92  | 24.00                   | 24.00 | 19.83                            | 19.35 | 19.83                                | 19.35 | 11.00                     | 11.00 | 7.055            | 6.883  | 7.055                                  | 6.883  |
|                   |                    |       |           | 37          | 21.28                         | 21.09  | 24.00                   | 24.00 | 14.87                            | 14.82 | 14.87                                | 14.82 |                           |       | 8.576            | 8.141  | 8.576                                  | 8.141  |
|                   |                    |       | 52T       | 38          | 18.95                         | 19.02  | 23.78                   | 23.79 | 14.85                            | 14.79 | 14.85                                | 14.79 |                           |       | 8.709            | 8.387  | 8.709                                  | 8.387  |
|                   |                    |       |           | 40          | 20.58                         | 20.94  | 24.00                   | 24.00 | 14.91                            | 14.78 | 14.91                                | 14.78 |                           |       | 8.794            | 8.269  | 8.794                                  | 8.269  |
|                   | 5300               | 60    | SU        | --          | 22.38                         | 22.01  | 24.00                   | 24.00 | 19.89                            | 19.43 | 19.89                                | 19.43 |                           |       | 6.659            | 6.598  | 6.659                                  | 6.598  |
|                   |                    |       |           | 37          | 21.33                         | 21.00  | 24.00                   | 24.00 | 14.91                            | 15.03 | 14.91                                | 15.03 |                           |       | 8.647            | 9.034  | 8.647                                  | 9.034  |
|                   |                    |       | 52T       | 38          | 18.89                         | 18.94  | 23.76                   | 23.77 | 14.93                            | 14.98 | 14.93                                | 14.98 |                           |       | 8.907            | 9.270  | 8.907                                  | 9.270  |
|                   |                    |       |           | 40          | 21.12                         | 20.84  | 24.00                   | 24.00 | 14.81                            | 14.97 | 14.81                                | 14.97 |                           |       | 8.633            | 9.020  | 8.633                                  | 9.020  |
|                   | 5320               | 64    | SU        | --          | 22.27                         | 22.28  | 24.00                   | 24.00 | 19.41                            | 18.35 | 19.41                                | 18.35 |                           |       | 6.445            | 5.775  | 6.445                                  | 5.775  |
|                   |                    |       |           | 37          | 20.89                         | 21.33  | 24.00                   | 24.00 | 15.02                            | 14.83 | 15.02                                | 14.83 |                           |       | 8.913            | 8.820  | 8.913                                  | 8.820  |
|                   |                    |       | 52T       | 38          | 18.95                         | 18.86  | 23.78                   | 23.76 | 14.99                            | 14.87 | 14.99                                | 14.87 |                           |       | 9.246            | 8.701  | 9.246                                  | 8.701  |
|                   |                    |       |           | 40          | 20.38                         | 20.45  | 24.00                   | 24.00 | 14.91                            | 14.90 | 14.91                                | 14.90 |                           |       | 9.044            | 8.741  | 9.044                                  | 8.741  |
| EHT40<br>(FCC)    | 5270               | 54    | SU        | --          | 43.80                         | 42.85  | 24.00                   | 24.00 | 19.89                            | 19.39 | 19.89                                | 19.39 | 11.00                     | 11.00 | 7.799            | 7.374  | 7.799                                  | 7.374  |
|                   |                    |       |           | 61          | 23.63                         | 23.80  | 24.00                   | 24.00 | 19.85                            | 19.39 | 19.85                                | 19.39 |                           |       | 10.203           | 9.591  | 10.203                                 | 9.591  |
|                   |                    |       | 242T      | 62          | 22.99                         | 23.46  | 24.00                   | 24.00 | 19.91                            | 19.42 | 19.91                                | 19.42 |                           |       | 10.445           | 9.902  | 10.445                                 | 9.902  |
|                   |                    |       |           | 82          | 22.13                         | 21.55  | 24.00                   | 24.00 | 18.71                            | 18.70 | 18.71                                | 18.70 |                           |       | 9.018            | 8.938  | 9.018                                  | 8.938  |
|                   | 5310               | 62    | (106+26)T | 22.01       | 22.52                         | 24.00  | 24.00                   | 18.75 | 18.62                            | 18.75 | 18.62                                | 18.62 |                           |       | 9.204            | 8.829  | 9.204                                  | 8.829  |
|                   |                    |       |           | 85          | 21.36                         | 21.11  | 24.00                   | 24.00 | 18.79                            | 18.71 | 18.79                                | 18.71 |                           |       | 9.497            | 8.936  | 9.497                                  | 8.936  |
|                   |                    |       | SU        | --          | 43.32                         | 43.17  | 24.00                   | 24.00 | 16.89                            | 16.38 | 16.89                                | 16.38 |                           |       | 5.455            | 5.181  | 5.455                                  | 5.181  |
|                   |                    |       |           | 61          | 23.07                         | 23.02  | 24.00                   | 24.00 | 19.87                            | 19.35 | 19.87                                | 19.35 |                           |       | 10.350           | 9.402  | 10.350                                 | 9.402  |
|                   |                    |       | 242T      | 62          | 23.01                         | 23.05  | 24.00                   | 24.00 | 17.89                            | 17.92 | 17.89                                | 17.92 |                           |       | 8.125            | 8.366  | 8.125                                  | 8.366  |
|                   |                    |       |           | 82          | 22.56                         | 22.04  | 24.00                   | 24.00 | 16.37                            | 15.71 | 16.37                                | 15.71 |                           |       | 7.147            | 6.483  | 7.147                                  | 6.483  |
|                   |                    |       | (106+26)T | 84          | 22.67                         | 22.37  | 24.00                   | 24.00 | 16.41                            | 15.81 | 16.41                                | 15.81 |                           |       | 7.493            | 6.875  | 7.493                                  | 6.875  |
|                   |                    |       |           | 85          | 21.05                         | 21.41  | 24.00                   | 24.00 | 16.31                            | 15.75 | 16.31                                | 15.75 |                           |       | 7.025            | 6.797  | 7.025                                  | 6.797  |
| EHT80<br>(FCC)    | 5290               | 58    | SU        | --          | 83.64                         | 83.02  | 24.00                   | 24.00 | 16.39                            | 16.34 | 16.39                                | 16.34 | 11.00                     | 11.00 | -1.119           | -0.995 | -1.119                                 | -0.995 |
|                   |                    |       |           | 65          | 43.99                         | 44.38  | 24.00                   | 24.00 | 19.89                            | 19.41 | 19.89                                | 19.41 |                           |       | 4.165            | 3.447  | 4.165                                  | 3.447  |
|                   |                    |       | 484T      | 66          | 44.07                         | 43.91  | 24.00                   | 24.00 | 16.41                            | 15.89 | 16.41                                | 15.89 |                           |       | 0.609            | 0.277  | 0.609                                  | 0.277  |
|                   |                    |       |           | 37          | 20.57                         | 21.47  | 24.00                   | 24.00 | 14.89                            | 14.49 | 14.89                                | 14.49 |                           |       | 10.585           | 9.261  | 10.755                                 | 9.431  |
|                   |                    |       | 52T       | 45          | 21.75                         | 20.95  | 24.00                   | 24.00 | 14.77                            | 14.58 | 14.77                                | 14.58 |                           |       | 10.154           | 9.562  | 10.324                                 | 9.732  |
|                   |                    |       |           | 52          | 20.95                         | 21.26  | 24.00                   | 24.00 | 14.73                            | 14.51 | 14.73                                | 14.51 |                           |       | 10.109           | 9.308  | 10.279                                 | 9.478  |
| EHT160<br>(FCC)   | 5250<br>(Straddle) | 50    | SU        | --          | 163.70                        | 163.60 | 24.00                   | 24.00 | 15.87                            | 15.91 | 15.87                                | 15.91 | 11.00                     | 11.00 | -1.572           | -1.391 | -1.572                                 | -1.391 |
|                   |                    |       |           | 61          | 23.89                         | 24.22  | 24.00                   | 24.00 | 17.91                            | 17.84 | 17.91                                | 17.84 |                           |       | 6.823            | 6.704  | 6.923                                  | 6.804  |
|                   |                    |       | 242T      | 62          | 23.37                         | 23.33  | 24.00                   | 24.00 | 19.91                            | 19.40 | 19.91                                | 19.40 |                           |       | 8.715            | 8.138  | 8.815                                  | 8.238  |
|                   |                    |       |           | S64         | 23.66                         | 24.01  | 24.00                   | 24.00 | 17.94                            | 17.91 | 17.94                                | 17.91 |                           |       | 7.054            | 6.999  | 7.154                                  | 7.099  |
|                   |                    |       | 52T       | 37          | 21.80                         | 21.85  | 24.00                   | 24.00 | 14.71                            | 14.59 | 14.71                                | 14.59 |                           |       | 10.686           | 10.437 | 10.886                                 | 10.637 |
|                   |                    |       |           | 52          | 21.02                         | 20.82  | 24.00                   | 24.00 | 14.61                            | 14.63 | 14.61                                | 14.63 |                           |       | 10.501           | 10.540 | 10.701                                 | 10.740 |
|                   |                    |       |           | S52         | 21.34                         | 21.48  | 24.00                   | 24.00 | 14.55                            | 14.68 | 14.55                                | 14.68 |                           |       | 10.299           | 10.581 | 10.499                                 | 10.781 |
|                   |                    |       |           |             |                               |        |                         |       |                                  |       |                                      |       |                           |       |                  |        |                                        |        |





### 9.5.12. 802.11be MIMO CDD MODE IN THE UNII-2A BAND

| UNII-2A<br>(MIMO CDD)    | 20MHz |      | 40MHz |      |           | 80MHz |      |      | 160MHz |      |     |
|--------------------------|-------|------|-------|------|-----------|-------|------|------|--------|------|-----|
|                          | SU    | 52T  | SU    | 242T | (106+26)T | SU    | 484T | 52T  | SU     | 242T | 52T |
| DCCF (MCS0) (dB)         | 0.00  | 0.00 | 0.00  | 0.00 | 0.00      | 0.00  | 0.00 | 0.17 | 0.00   | 0.10 | 0.2 |
| Un-Correlated Gain (dBi) | -2.23 |      |       |      |           |       |      |      |        |      |     |
| Correlated Gain (dBi)    | 0.75  |      |       |      |           |       |      |      |        |      |     |

| UNII-1<br>(MIMO CDD) |       |
|----------------------|-------|
| Straddle Channel     |       |
| Un-Corr. Gain (dBi)  | -2.80 |
| Corr. Gain (dBi)     | 0.14  |

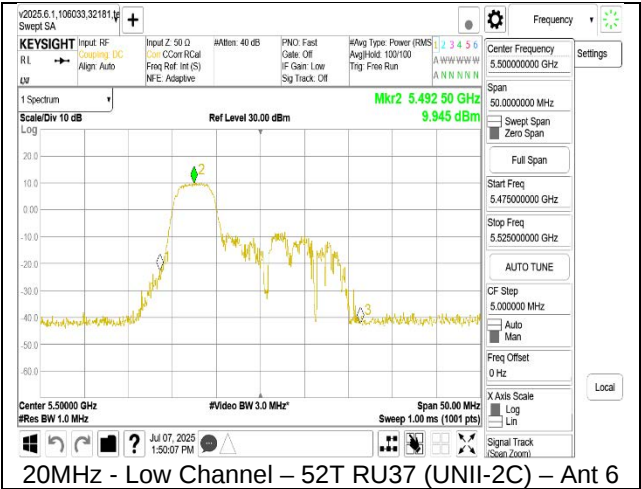
  

| UNII-2A<br>(MIMO CDD) | Freq<br>(MHz)      | Ch. # | Tone    | RU<br>Index | Min<br>BW<br>(MHz) | Power<br>Limit<br>(dBm) | Output Power<br>(Gated)<br>(dBm) |       | Total<br>MIMO<br>Corrected<br>Power<br>(dBm) | PSD<br>Limit<br>(dBm/MHz) | PSD<br>(dBm/MHz) |        | Total MIMO<br>Corrected<br>PSD<br>(dBm/MHz) |
|-----------------------|--------------------|-------|---------|-------------|--------------------|-------------------------|----------------------------------|-------|----------------------------------------------|---------------------------|------------------|--------|---------------------------------------------|
|                       |                    |       |         |             |                    |                         | Ant 6                            | Ant 5 |                                              |                           | Ant 6            | Ant 5  |                                             |
| EHT20<br>(FCC)        | 5260               | 52    | SU      | --          | 22.11              | 24.00                   | 18.31                            | 18.25 | 21.29                                        | 11.00                     | 5.416            | 5.597  | 8.518                                       |
|                       |                    |       |         | 37          | 20.41              | 24.00                   | 11.70                            | 11.84 | 14.78                                        |                           | 5.547            | 5.841  | 8.707                                       |
|                       |                    |       | 52T     | 38          | 18.42              | 23.65                   | 11.77                            | 11.81 | 14.80                                        |                           | 5.571            | 5.755  | 8.674                                       |
|                       |                    |       |         | 40          | 20.45              | 24.00                   | 11.73                            | 11.79 | 14.77                                        |                           | 5.520            | 5.735  | 8.639                                       |
|                       | 5300               | 60    | SU      | --          | 22.26              | 24.00                   | 18.42                            | 18.37 | 21.41                                        |                           | 5.572            | 5.632  | 8.612                                       |
|                       |                    |       |         | 37          | 20.81              | 24.00                   | 11.91                            | 11.79 | 14.86                                        |                           | 6.193            | 5.967  | 9.092                                       |
|                       |                    |       | 52T     | 38          | 18.41              | 23.65                   | 11.81                            | 11.89 | 14.86                                        |                           | 5.681            | 6.021  | 8.865                                       |
|                       |                    |       |         | 40          | 20.36              | 24.00                   | 11.79                            | 11.85 | 14.83                                        |                           | 5.838            | 6.070  | 8.966                                       |
|                       | 5320               | 64    | SU      | --          | 21.90              | 24.00                   | 17.35                            | 17.39 | 20.38                                        |                           | 4.205            | 4.214  | 7.220                                       |
|                       |                    |       |         | 37          | 20.54              | 24.00                   | 11.84                            | 11.87 | 14.87                                        |                           | 5.978            | 6.086  | 9.043                                       |
|                       |                    |       | 52T     | 38          | 18.21              | 23.60                   | 11.85                            | 11.91 | 14.89                                        |                           | 5.942            | 6.170  | 9.068                                       |
|                       |                    |       |         | 40          | 20.36              | 24.00                   | 11.91                            | 11.81 | 14.87                                        |                           | 6.147            | 5.963  | 9.066                                       |
| EHT40<br>(FCC)        | 5270               | 54    | SU      | --          | 42.34              | 24.00                   | 19.38                            | 19.41 | 22.41                                        | 11.00                     | 5.217            | 5.396  | 8.318                                       |
|                       |                    |       |         | 61          | 23.19              | 24.00                   | 18.29                            | 18.34 | 21.33                                        |                           | 6.147            | 6.263  | 9.216                                       |
|                       |                    |       | 242T    | 62          | 23.04              | 24.00                   | 18.25                            | 18.31 | 21.29                                        |                           | 6.053            | 6.244  | 9.160                                       |
|                       |                    |       |         | 82          | 21.20              | 24.00                   | 15.67                            | 15.69 | 18.69                                        |                           | 6.759            | 6.875  | 9.828                                       |
|                       |                    |       | 106+26T | 84          | 21.45              | 24.00                   | 15.72                            | 15.74 | 18.74                                        |                           | 6.926            | 6.928  | 9.937                                       |
|                       |                    |       |         | 85          | 20.80              | 24.00                   | 15.65                            | 15.64 | 18.66                                        |                           | 6.667            | 6.644  | 9.666                                       |
|                       | 5310               | 62    | SU      | --          | 42.89              | 24.00                   | 15.89                            | 15.87 | 18.89                                        |                           | 1.593            | 1.565  | 4.589                                       |
|                       |                    |       |         | 61          | 23.33              | 24.00                   | 18.39                            | 18.42 | 21.42                                        |                           | 6.363            | 6.385  | 9.384                                       |
|                       |                    |       | 242T    | 62          | 22.69              | 24.00                   | 16.89                            | 16.92 | 19.92                                        |                           | 4.701            | 4.718  | 7.720                                       |
|                       |                    |       |         | 82          | 21.16              | 24.00                   | 14.43                            | 14.38 | 17.42                                        |                           | 4.525            | 4.219  | 7.385                                       |
|                       |                    |       | 106+26T | 84          | 21.43              | 24.00                   | 14.37                            | 14.41 | 17.40                                        |                           | 4.002            | 4.263  | 7.145                                       |
|                       |                    |       |         | 85          | 20.78              | 24.00                   | 14.34                            | 14.39 | 17.38                                        |                           | 3.957            | 4.204  | 7.093                                       |
| EHT80<br>(FCC)        | 5290               | 58    | SU      | --          | 83.81              | 24.00                   | 14.35                            | 14.39 | 17.38                                        | 11.00                     | -2.696           | -2.683 | 0.321                                       |
|                       |                    |       |         | 65          | 43.56              | 24.00                   | 19.38                            | 19.41 | 22.41                                        |                           | 3.980            | 4.140  | 7.071                                       |
|                       |                    |       | 484T    | 66          | 43.52              | 24.00                   | 15.41                            | 15.38 | 18.41                                        |                           | 0.325            | 0.311  | 3.328                                       |
|                       |                    |       |         | 37          | 20.48              | 24.00                   | 11.67                            | 11.61 | 14.65                                        |                           | 6.414            | 6.382  | 9.578                                       |
|                       |                    |       | 52T     | 45          | 20.83              | 24.00                   | 11.51                            | 11.54 | 14.54                                        |                           | 6.094            | 6.207  | 9.331                                       |
|                       |                    |       |         | 52          | 20.91              | 24.00                   | 11.57                            | 11.63 | 14.61                                        |                           | 6.212            | 6.388  | 9.481                                       |
| EHT160<br>(FCC)       | 5250<br>(Straddle) | 50    | SU      | --          | 163.60             | 24.00                   | 15.32                            | 15.39 | 18.37                                        | 11.00                     | -4.556           | -4.463 | -1.499                                      |
|                       |                    |       |         | 61          | 23.40              | 24.00                   | 16.85                            | 16.91 | 19.89                                        |                           | 5.886            | 5.988  | 9.048                                       |
|                       |                    |       | 242T    | 62          | 23.08              | 24.00                   | 18.21                            | 18.25 | 21.24                                        |                           | 6.911            | 6.959  | 10.045                                      |
|                       |                    |       |         | S64         | 23.93              | 24.00                   | 16.89                            | 16.94 | 19.93                                        |                           | 5.895            | 6.011  | 9.064                                       |
|                       |                    |       | 52T     | 37          | 20.93              | 24.00                   | 11.61                            | 11.59 | 14.61                                        |                           | 5.680            | 5.522  | 8.812                                       |
|                       |                    |       |         | 52          | 20.80              | 24.00                   | 11.69                            | 11.72 | 14.72                                        |                           | 5.673            | 5.457  | 8.777                                       |
|                       |                    |       |         | S52         | 21.01              | 24.00                   | 11.55                            | 11.65 | 14.61                                        |                           | 5.696            | 5.346  | 8.735                                       |
|                       |                    |       |         |             |                    |                         |                                  |       |                                              |                           |                  |        |                                             |

### 9.5.13. 802.11be SISO MODE IN THE UNII-2C BAND

| UNII-2C<br>(SISO) |  | 20MHz |      | 40MHz |      |           | 80MHz |      |      | 160MHz |      |                  | UNII-3<br>(SISO) |       |  |
|-------------------|--|-------|------|-------|------|-----------|-------|------|------|--------|------|------------------|------------------|-------|--|
|                   |  | SU    | 52T  | SU    | 242T | (106+26)T | SU    | 484T | 52T  | SU     | 242T | 52T              |                  |       |  |
| DCCF (MCS0) (dB)  |  | 0.00  | 0.00 | 0.00  | 0.00 | 0.00      | 0.00  | 0.00 | 0.17 | 0.00   | 0.10 | 0.20             |                  |       |  |
| Ant 6 (dBi)       |  | -1.00 |      |       |      |           |       |      |      |        |      |                  |                  |       |  |
| Ant 5 (dBi)       |  | -2.40 |      |       |      |           |       |      |      |        |      |                  |                  |       |  |
|                   |  |       |      |       |      |           |       |      |      |        |      | Straddle Channel |                  |       |  |
|                   |  |       |      |       |      |           |       |      |      |        |      | Ant 6 (dBi)      |                  | -0.30 |  |
|                   |  |       |      |       |      |           |       |      |      |        |      | Ant 5 (dBi)      |                  | -2.20 |  |

| UNII-2C<br>(SISO)  | Freq<br>(MHz)      | Ch. # | Tone      | RU<br>Index | Minimum<br>Bandwidth<br>(MHz) |        | Power<br>Limit<br>(dBm) |       | Output Power<br>(Gated)<br>(dBm) |       | Total<br>Corrected<br>Power<br>(dBm) |        | PSD<br>Limit<br>(dBm/MHz) |        | PSD<br>(dBm/MHz) |        | Total<br>Corrected<br>PSD<br>(dBm/MHz) |        |
|--------------------|--------------------|-------|-----------|-------------|-------------------------------|--------|-------------------------|-------|----------------------------------|-------|--------------------------------------|--------|---------------------------|--------|------------------|--------|----------------------------------------|--------|
|                    |                    |       |           |             | Ant 6                         | Ant 5  | Ant 6                   | Ant 5 | Ant 6                            | Ant 5 | Ant 6                                | Ant 5  | Ant 6                     | Ant 5  | Ant 6            | Ant 5  |                                        | Ant 6  |
| EHT20<br>(FCC)     | 5500               | 100   | SU        | --          | 22.13                         | 21.75  | 24.00                   | 24.00 | 18.30                            | 18.49 | 18.30                                | 18.49  | 11.00                     | 11.00  | 6.422            | 6.680  | 6.422                                  | 6.680  |
|                    |                    |       | 52T       | 37          | 21.17                         | 21.13  | 24.00                   | 24.00 | 14.80                            | 14.74 | 14.80                                | 14.74  |                           |        | 9.945            | 9.836  | 9.945                                  | 9.836  |
|                    |                    |       |           | 38          | 18.90                         | 18.91  | 23.76                   | 23.77 | 14.78                            | 14.67 | 14.78                                | 14.67  |                           |        | 9.935            | 9.825  | 9.935                                  | 9.825  |
|                    |                    |       |           | 40          | 20.73                         | 20.60  | 24.00                   | 24.00 | 14.93                            | 14.81 | 14.93                                | 14.81  |                           |        | 10.135           | 10.049 | 10.135                                 | 10.049 |
|                    | 5580               | 116   | SU        | --          | 22.20                         | 21.95  | 24.00                   | 24.00 | 19.82                            | 19.35 | 19.82                                | 19.35  |                           |        | 8.593            | 8.155  | 8.593                                  | 8.155  |
|                    |                    |       | 52T       | 37          | 20.91                         | 20.85  | 24.00                   | 24.00 | 14.75                            | 14.78 | 14.75                                | 14.78  |                           |        | 9.788            | 10.144 | 9.788                                  | 10.144 |
|                    |                    |       |           | 38          | 18.98                         | 18.95  | 23.78                   | 23.78 | 14.57                            | 14.82 | 14.57                                | 14.82  |                           |        | 9.718            | 9.888  | 9.718                                  | 9.888  |
|                    |                    |       |           | 40          | 20.40                         | 20.69  | 24.00                   | 24.00 | 14.69                            | 14.74 | 14.69                                | 14.74  |                           |        | 9.639            | 9.780  | 9.639                                  | 9.780  |
|                    | 5700               | 140   | SU        | --          | 22.04                         | 21.89  | 24.00                   | 24.00 | 17.39                            | 16.41 | 17.39                                | 16.41  |                           |        | 5.137            | 4.825  | 5.137                                  | 4.825  |
|                    |                    |       | 52T       | 37          | 21.15                         | 21.08  | 24.00                   | 24.00 | 14.84                            | 14.85 | 14.84                                | 14.85  |                           |        | 10.077           | 10.463 | 10.077                                 | 10.463 |
|                    |                    |       |           | 38          | 18.80                         | 18.80  | 23.74                   | 23.74 | 14.83                            | 14.86 | 14.83                                | 14.86  |                           |        | 9.939            | 10.067 | 9.939                                  | 10.067 |
|                    |                    |       |           | 40          | 20.76                         | 20.84  | 24.00                   | 24.00 | 14.98                            | 14.95 | 14.98                                | 14.95  |                           |        | 10.341           | 10.300 | 10.341                                 | 10.300 |
|                    | 5720<br>(Straddle) | 144   | SU        | --          | 16.24                         | 15.97  | 23.11                   | 23.03 | 19.91                            | 19.43 | 19.91                                | 19.43  |                           |        | 9.354            | 8.816  | 9.354                                  | 8.816  |
|                    |                    |       | 52T       | 37          | 15.54                         | 15.36  | 22.91                   | 22.86 | 14.88                            | 14.62 | 14.88                                | 14.62  |                           |        | 10.064           | 9.653  | 10.064                                 | 9.653  |
|                    |                    |       |           | 38          | 14.43                         | 14.42  | 22.59                   | 22.59 | 14.90                            | 14.73 | 14.90                                | 14.73  |                           |        | 10.240           | 9.662  | 10.240                                 | 9.662  |
|                    |                    |       |           | 40          | 15.49                         | 15.36  | 22.90                   | 22.86 | 14.86                            | 14.68 | 14.86                                | 14.68  |                           |        | 10.089           | 9.501  | 10.089                                 | 9.501  |
| EHT40<br>(FCC)     | 5510               | 102   | SU        | --          | 43.50                         | 43.19  | 24.00                   | 24.00 | 15.91                            | 15.81 | 15.91                                | 15.81  | 11.00                     | 11.00  | 1.210            | 0.983  | 1.210                                  | 0.983  |
|                    |                    |       | 242T      | 61          | 23.65                         | 23.21  | 24.00                   | 24.00 | 17.85                            | 17.91 | 17.85                                | 17.91  |                           |        | 6.615            | 6.804  | 6.615                                  | 6.804  |
|                    |                    |       |           | 62          | 23.47                         | 23.50  | 24.00                   | 24.00 | 19.91                            | 19.31 | 19.91                                | 19.31  |                           |        | 8.886            | 8.160  | 8.886                                  | 8.160  |
|                    |                    |       |           | 82          | 21.77                         | 21.82  | 24.00                   | 24.00 | 15.35                            | 15.31 | 15.35                                | 15.31  |                           |        | 6.166            | 6.093  | 6.166                                  | 6.093  |
|                    |                    |       | (106+26)T | 84          | 22.14                         | 22.02  | 24.00                   | 24.00 | 15.28                            | 15.37 | 15.28                                | 15.37  |                           |        | 6.081            | 6.156  | 6.081                                  | 6.156  |
|                    |                    |       | 85        | 21.35       | 21.29                         | 24.00  | 24.00                   | 15.42 | 15.45                            | 15.42 | 15.45                                | 6.020  |                           |        | 6.277            | 6.020  | 6.277                                  |        |
|                    |                    |       | SU        | --          | 43.91                         | 43.33  | 24.00                   | 24.00 | 19.81                            | 19.35 | 19.81                                | 19.35  |                           |        | 6.704            | 6.244  | 6.704                                  | 6.244  |
|                    |                    |       | 242T      | 61          | 22.96                         | 23.64  | 24.00                   | 24.00 | 19.71                            | 19.37 | 19.71                                | 19.37  |                           |        | 8.710            | 8.220  | 8.710                                  | 8.220  |
|                    | 5550               | 110   | 52T       | 62          | 23.02                         | 23.15  | 24.00                   | 24.00 | 19.79                            | 19.27 | 19.79                                | 19.27  |                           |        | 8.756            | 8.052  | 8.756                                  | 8.052  |
|                    |                    |       | (106+26)T | 82          | 21.94                         | 22.01  | 24.00                   | 24.00 | 18.77                            | 18.74 | 18.77                                | 18.74  |                           |        | 9.786            | 9.694  | 9.786                                  | 9.694  |
|                    |                    |       |           | 84          | 22.40                         | 22.75  | 24.00                   | 24.00 | 18.68                            | 18.86 | 18.68                                | 18.86  |                           |        | 9.593            | 9.738  | 9.593                                  | 9.738  |
|                    |                    |       |           | 85          | 20.91                         | 20.79  | 24.00                   | 24.00 | 18.71                            | 18.78 | 18.71                                | 18.78  |                           |        | 9.454            | 9.643  | 9.454                                  | 9.643  |
|                    |                    |       | SU        | --          | 42.59                         | 42.44  | 24.00                   | 24.00 | 18.77                            | 18.73 | 18.77                                | 18.73  |                           |        | 4.792            | 4.741  | 4.792                                  | 4.741  |
|                    |                    |       | 242T      | 61          | 23.65                         | 23.35  | 24.00                   | 24.00 | 19.81                            | 19.39 | 19.81                                | 19.39  |                           |        | 8.759            | 8.233  | 8.759                                  | 8.233  |
|                    |                    |       | (106+26)T | 62          | 23.25                         | 23.29  | 24.00                   | 24.00 | 19.89                            | 19.29 | 19.89                                | 19.29  |                           |        | 8.838            | 8.101  | 8.838                                  | 8.101  |
|                    |                    |       |           | 82          | 21.91                         | 21.91  | 24.00                   | 24.00 | 18.48                            | 18.53 | 18.48                                | 18.53  |                           |        | 9.260            | 9.287  | 9.260                                  | 9.287  |
|                    | 84                 | 22.11 |           | 22.46       | 24.00                         | 24.00  | 18.53                   | 18.63 | 18.53                            | 18.63 | 9.273                                | 9.444  |                           |        | 9.273            | 9.444  |                                        |        |
|                    | 5670               | 134   |           | 85          | 21.03                         | 21.41  | 24.00                   | 24.00 | 18.63                            | 18.54 | 18.63                                | 18.54  |                           |        | 9.368            | 9.235  | 9.368                                  | 9.235  |
|                    |                    |       | SU        | --          | 26.65                         | 26.70  | 24.00                   | 24.00 | 19.79                            | 19.29 | 19.79                                | 19.29  |                           |        | 6.203            | 5.673  | 6.203                                  | 5.673  |
|                    |                    |       | 242T      | 61          | 16.72                         | 16.87  | 23.23                   | 23.27 | 16.89                            | 15.85 | 16.89                                | 15.85  |                           |        | 5.673            | 4.879  | 5.673                                  | 4.879  |
|                    |                    |       | (106+26)T | 62          | 16.74                         | 16.58  | 23.24                   | 23.20 | 19.85                            | 19.35 | 19.85                                | 19.35  |                           |        | 8.792            | 8.218  | 8.792                                  | 8.218  |
|                    |                    |       |           | 82          | 16.34                         | 16.15  | 23.13                   | 23.08 | 18.31                            | 18.27 | 18.31                                | 18.27  |                           |        | 9.107            | 9.000  | 9.107                                  | 9.000  |
|                    |                    |       |           | 84          | 15.88                         | 16.35  | 23.01                   | 23.13 | 18.32                            | 18.25 | 18.32                                | 18.25  |                           |        | 9.055            | 8.901  | 9.055                                  | 8.901  |
|                    |                    |       | 85        | 15.66       | 15.66                         | 22.95  | 22.95                   | 18.29 | 18.21                            | 18.29 | 18.21                                | 9.200  |                           |        | 9.065            | 9.200  | 9.065                                  |        |
| SU                 |                    |       | --        | 84.52       | 83.54                         | 24.00  | 24.00                   | 16.41 | 15.87                            | 16.41 | 15.87                                | -0.717 | -1.456                    | -0.717 | -1.456           |        |                                        |        |
| 5530               | 106                | 484T  | 65        | 43.59       | 43.56                         | 24.00  | 24.00                   | 15.39 | 15.41                            | 15.39 | 15.41                                | 0.873  | 0.988                     | 0.873  | 0.988            |        |                                        |        |
|                    |                    | 66    | 43.94     | 44.04       | 24.00                         | 24.00  | 19.85                   | 19.39 | 19.85                            | 19.39 | 5.579                                | 5.275  | 5.579                     | 5.275  |                  |        |                                        |        |
|                    |                    | 52T   | 37        | 21.42       | 21.29                         | 24.00  | 24.00                   | 14.86 | 14.60                            | 14.86 | 14.60                                | 9.763  | 9.123                     | 9.763  | 9.123            |        |                                        |        |
|                    |                    | 45    | 20.45     | 20.70       | 24.00                         | 24.00  | 14.91                   | 14.58 | 14.91                            | 14.58 | 9.477                                | 9.077  | 9.477                     | 9.077  |                  |        |                                        |        |
|                    |                    | 52    | 20.85     | 21.11       | 24.00                         | 24.00  | 14.86                   | 14.78 | 14.86                            | 14.78 | 9.478                                | 9.270  | 9.478                     | 9.270  |                  |        |                                        |        |
|                    |                    | SU    | --        | 83.12       | 84.31                         | 24.00  | 24.00                   | 19.85 | 19.39                            | 19.85 | 19.39                                | 2.906  | 2.282                     | 2.906  | 2.282            |        |                                        |        |
|                    |                    | 484T  | 65        | 44.17       | 44.13                         | 24.00  | 24.00                   | 19.82 | 19.32                            | 19.82 | 19.32                                | 5.567  | 5.076                     | 5.567  | 5.076            |        |                                        |        |
|                    |                    | 66    | 44.15     | 44.09       | 24.00                         | 24.00  | 19.91                   | 19.35 | 19.91                            | 19.35 | 5.736                                | 5.183  | 5.736                     | 5.183  |                  |        |                                        |        |
| 5610               | 122                | 52T   | 37        | 20.67       | 20.61                         | 24.00  | 24.00                   | 14.67 | 14.85                            | 14.67 | 14.85                                | 9.240  | 9.526                     | 9.240  | 9.526            |        |                                        |        |
|                    |                    | 45    | 20.68     | 21.08       | 24.00                         | 24.00  | 14.73                   | 14.79 | 14.73                            | 14.79 | 9.191                                | 9.234  | 9.191                     | 9.234  |                  |        |                                        |        |
|                    |                    | 52    | 21.14     | 20.68       | 24.00                         | 24.00  | 14.62                   | 14.67 | 14.62                            | 14.67 | 9.029                                | 9.369  | 9.199                     | 9.369  |                  |        |                                        |        |
|                    |                    | SU    | --        | 47.29       | 46.51                         | 24.00  | 24.00                   | 19.93 | 19.43                            | 19.93 | 19.43                                | 2.957  | 2.398                     | 2.957  | 2.398            |        |                                        |        |
|                    |                    | 484T  | 65        | 27.32       | 27.01                         | 24.00  | 24.00                   | 18.89 | 18.92                            | 18.89 | 18.92                                | 4.488  | 4.547                     | 4.488  | 4.547            |        |                                        |        |
|                    |                    | 66    | 27.04     | 26.75       | 24.00                         | 24.00  | 19.89                   | 19.41 | 19.89                            | 19.41 | 5.662                                | 5.294  | 5.662                     | 5.294  |                  |        |                                        |        |
|                    |                    | 52T   | 37        | 15.49       | 15.60                         | 22.90  | 22.93                   | 14.89 | 14.58                            | 14.89 | 14.58                                | 9.541  | 8.924                     | 9.711  | 8.924            |        |                                        |        |
|                    |                    | 45    | 15.67     | 15.59       | 22.95                         | 22.93  | 14.86                   | 14.66 | 14.86                            | 14.66 | 9.283                                | 9.113  | 9.453                     | 9.113  |                  |        |                                        |        |
| 5690<br>(Straddle) | 138                |       | 52        | 15.43       | 15.40                         | 22.88  | 22.87                   | 14.81 | 14.65                            | 14.81 | 14.65                                | 9.318  | 9.179                     | 9.488  | 9.179            |        |                                        |        |
|                    |                    | SU    | --        | 163.60      | 163.40                        | 24.00  | 24.00                   | 15.81 | 15.93                            | 15.81 | 15.93                                | -5.031 | -4.796                    | -5.031 | -4.796           |        |                                        |        |
|                    |                    | 242T  | 61        | 23.38       | 23.44                         | 24.00  | 24.00                   | 17.92 | 17.89                            | 17.92 | 17.89                                | 6.862  | 6.756                     | 6.962  | 6.756            |        |                                        |        |
|                    |                    | 62    | 23.33     | 23.74       | 24.00                         | 24.00  | 19.89                   | 19.41 | 19.89                            | 19.41 | 8.596                                | 8.323  | 8.696                     | 8.323  |                  |        |                                        |        |
|                    |                    | 564   | 23.73     | 24.22       | 24.00                         | 24.00  | 19.85                   | 19.34 | 19.85                            | 19.34 | 8.382                                | 8.045  | 8.482                     | 8.045  |                  |        |                                        |        |
|                    |                    | 37    | 21.40     | 21.36       | 24.00                         | 24.00  | 14.64                   | 14.71 | 14.64                            | 14.71 | 8.883                                | 9.150  | 9.083                     | 9.150  |                  |        |                                        |        |
|                    |                    | 52    | 20.81     | 21.06       | 24.00                         | 24.00  | 14.61                   | 14.57 | 14.61                            | 14.57 | 8.811                                | 8.761  | 9.011                     | 8.761  |                  |        |                                        |        |
|                    |                    | 552   | 21.18     | 21.36       | 24.00                         | 24.00  | 14.67                   | 14.59 | 14.67                            | 14.59 | 9.116                                | 8.745  | 9.316                     | 8.745  |                  |        |                                        |        |
| EHT160<br>(FCC)    | 5570               | 114   | SU        | --          | 163.60                        | 163.40 | 24.00                   | 24.00 | 15.81                            | 15.93 | 15.81                                | 15.93  | 11.00                     | 11.00  | -5.031           | -4.796 | -5.031                                 | -4.796 |
|                    |                    |       | 242T      | 61          | 23.38                         | 23.44  | 24.00                   | 24.00 | 17.92                            | 17.89 | 17.92                                | 17.89  |                           |        | 6.862            | 6.756  | 6.962                                  | 6.756  |
|                    |                    |       | 62        | 23.33       | 23.74                         | 24.00  | 24.00                   | 19.89 | 19.41                            | 19.89 | 19.41                                | 8.596  |                           |        | 8.323            | 8.696  | 8.323                                  |        |
|                    |                    |       | 564       | 23.73       | 24.22                         | 24.00  | 24.00                   | 19.85 | 19.34                            | 19.85 | 19.34                                | 8.382  |                           |        | 8.045            | 8.482  | 8.045                                  |        |



### 9.5.14. 802.11be MIMO CDD MODE IN THE UNII-2C BAND

| UNII-2C<br>(MIMO CDD)    | 20MHz |      | 40MHz |      |           | 80MHz |      |      | 160MHz |      |      |
|--------------------------|-------|------|-------|------|-----------|-------|------|------|--------|------|------|
|                          | SU    | 52T  | SU    | 242T | (106+26)T | SU    | 484T | 52T  | SU     | 242T | 52T  |
| DCCF (MCS0) (dB)         | 0.00  | 0.00 | 0.00  | 0.00 | 0.00      | 0.00  | 0.00 | 0.17 | 0.00   | 0.10 | 0.20 |
| Un-Correlated Gain (dBi) | -1.64 |      |       |      |           |       |      |      |        |      |      |
| Correlated Gain (dBi)    | 1.34  |      |       |      |           |       |      |      |        |      |      |

| UNII-3<br>(MIMO CDD) |       |
|----------------------|-------|
| Straddle Channel     |       |
| Un-Corr. Gain (dBi)  | -1.15 |
| Corr. Gain (dBi)     | 1.81  |

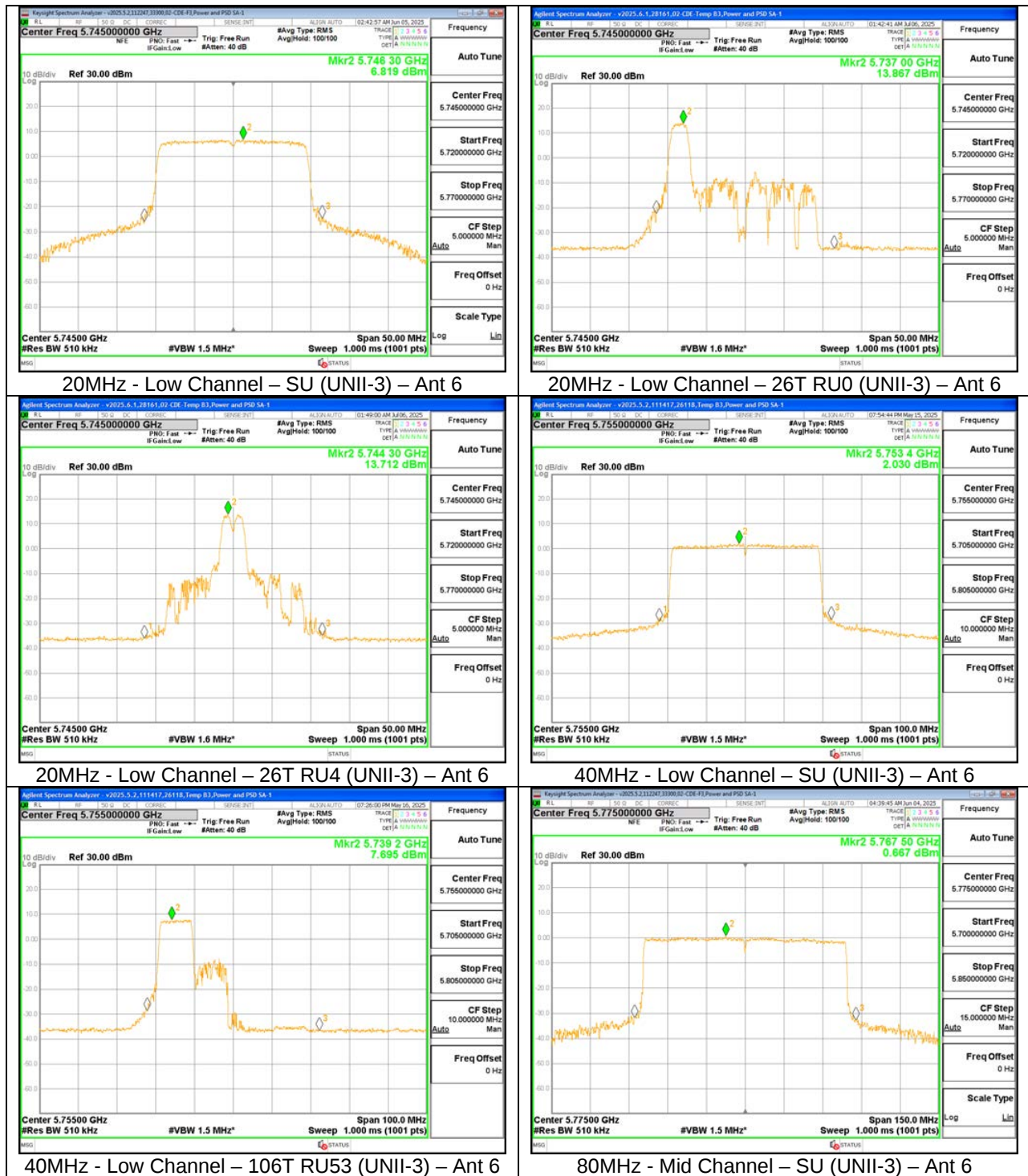
  

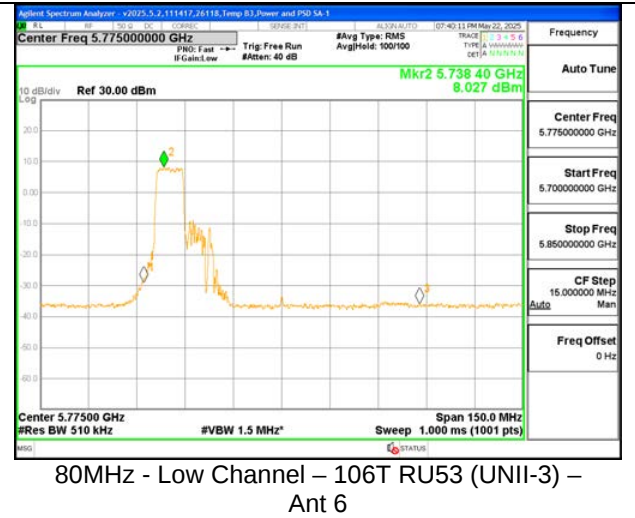
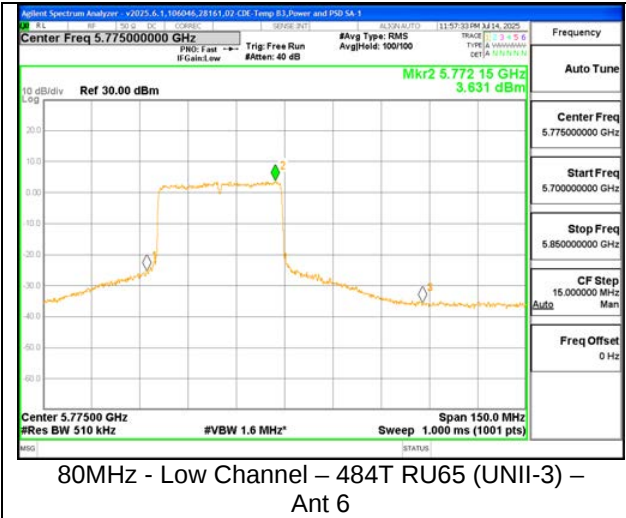
| UNII-2c<br>(MIMO CDD) | Freq<br>(MHz)      | Ch. # | Tone      | RU<br>Index | Min<br>BW<br>(MHz) | Power<br>Limit<br>(dBm) | Output Power<br>(Gated)<br>(dBm) |       | Total<br>MIMO<br>Corrected<br>Power<br>(dBm) | PSD<br>Limit<br>(dBm/MHz) | PSD<br>(dBm/MHz) |       | Total MIMO<br>Corrected<br>PSD<br>(dBm/MHz) |
|-----------------------|--------------------|-------|-----------|-------------|--------------------|-------------------------|----------------------------------|-------|----------------------------------------------|---------------------------|------------------|-------|---------------------------------------------|
| EHT20<br>(FCC)        | 5500               | 100   | SU        | --          | 22.25              | 24.00                   | 17.52                            | 17.62 | 20.58                                        | 11.00                     | Ant 6            | Ant 5 | 8.849                                       |
|                       |                    |       |           | 37          | 20.44              | 24.00                   | 11.86                            | 11.80 | 14.84                                        |                           | 5.803            | 5.874 | 8.849                                       |
|                       |                    |       | 52T       | 38          | 18.29              | 23.62                   | 11.81                            | 11.74 | 14.79                                        |                           | 6.586            | 6.365 | 9.487                                       |
|                       |                    |       |           | 40          | 20.28              | 24.00                   | 11.74                            | 11.68 | 14.72                                        |                           | 6.653            | 6.256 | 9.469                                       |
|                       | 5580               | 116   | SU        | --          | 22.14              | 24.00                   | 18.30                            | 18.07 | 21.20                                        |                           | 6.506            | 6.479 | 9.503                                       |
|                       |                    |       |           | 37          | 20.67              | 24.00                   | 11.73                            | 11.61 | 14.68                                        |                           | 6.369            | 6.629 | 9.511                                       |
|                       |                    |       | 52T       | 38          | 18.19              | 23.60                   | 11.70                            | 11.78 | 14.75                                        |                           | 6.432            | 6.113 | 9.286                                       |
|                       |                    |       |           | 40          | 20.43              | 24.00                   | 11.69                            | 11.73 | 14.72                                        |                           | 6.378            | 6.167 | 9.284                                       |
|                       | 5700               | 140   | SU        | --          | 22.14              | 24.00                   | 14.87                            | 14.77 | 17.83                                        |                           | 6.339            | 5.959 | 9.163                                       |
|                       |                    |       |           | 37          | 20.71              | 24.00                   | 11.88                            | 11.78 | 14.84                                        |                           | 4.510            | 4.318 | 7.425                                       |
|                       |                    |       | 52T       | 38          | 18.41              | 23.65                   | 11.81                            | 11.84 | 14.84                                        |                           | 6.520            | 6.395 | 9.468                                       |
|                       |                    |       |           | 40          | 20.57              | 24.00                   | 11.81                            | 11.74 | 14.79                                        |                           | 6.513            | 6.544 | 9.539                                       |
|                       | 5720<br>(Straddle) | 144   | SU        | --          | 16.11              | 23.07                   | 18.41                            | 18.33 | 21.38                                        |                           | 6.608            | 6.244 | 9.440                                       |
|                       |                    |       |           | 37          | 15.19              | 22.82                   | 11.71                            | 11.79 | 14.76                                        |                           | 7.421            | 7.383 | 10.412                                      |
|                       |                    |       | 52T       | 38          | 14.20              | 22.52                   | 11.71                            | 11.65 | 14.69                                        |                           | 6.381            | 6.082 | 9.244                                       |
|                       |                    |       |           | 40          | 15.24              | 22.83                   | 11.71                            | 11.64 | 14.69                                        |                           | 6.307            | 6.014 | 9.173                                       |
| EHT40<br>(FCC)        | 5510               | 102   | SU        | --          | 43.47              | 24.00                   | 15.34                            | 15.41 | 18.39                                        | 11.00                     | Ant 6            | Ant 5 | 8.849                                       |
|                       |                    |       |           | 61          | 23.21              | 24.00                   | 16.91                            | 16.88 | 19.91                                        |                           | 5.803            | 5.874 | 8.849                                       |
|                       |                    |       | 242T      | 62          | 22.89              | 24.00                   | 18.37                            | 18.42 | 21.41                                        |                           | 6.586            | 6.365 | 9.487                                       |
|                       |                    |       |           | 82          | 21.18              | 24.00                   | 14.33                            | 14.41 | 17.38                                        |                           | 6.653            | 6.256 | 9.469                                       |
|                       |                    |       | (106+26)T | 84          | 21.44              | 24.00                   | 14.35                            | 14.27 | 17.32                                        |                           | 6.506            | 6.479 | 9.503                                       |
|                       |                    |       |           | 85          | 20.80              | 24.00                   | 14.32                            | 14.36 | 17.35                                        |                           | 6.369            | 6.629 | 9.511                                       |
|                       | 5550               | 110   | SU        | --          | 42.87              | 24.00                   | 19.39                            | 19.41 | 22.41                                        |                           | 6.432            | 6.113 | 9.286                                       |
|                       |                    |       |           | 61          | 23.18              | 24.00                   | 18.16                            | 18.12 | 21.15                                        |                           | 6.378            | 6.167 | 9.284                                       |
|                       |                    |       | 242T      | 62          | 23.15              | 24.00                   | 18.08                            | 18.11 | 21.11                                        |                           | 6.339            | 5.959 | 9.163                                       |
|                       |                    |       |           | 82          | 21.30              | 24.00                   | 15.83                            | 15.85 | 18.85                                        |                           | 4.510            | 4.318 | 7.425                                       |
|                       |                    |       | (106+26)T | 84          | 21.33              | 24.00                   | 15.74                            | 15.84 | 18.80                                        |                           | 6.520            | 6.395 | 9.468                                       |
|                       |                    |       |           | 85          | 20.39              | 24.00                   | 15.82                            | 15.80 | 18.82                                        |                           | 6.513            | 6.544 | 9.539                                       |
|                       | 5670               | 134   | SU        | --          | 43.47              | 24.00                   | 18.31                            | 18.35 | 21.34                                        |                           | 6.608            | 6.244 | 9.440                                       |
|                       |                    |       |           | 61          | 22.90              | 24.00                   | 18.29                            | 18.31 | 21.31                                        |                           | 7.421            | 7.383 | 10.412                                      |
|                       |                    |       | 242T      | 62          | 23.05              | 24.00                   | 18.21                            | 18.19 | 21.21                                        |                           | 6.381            | 6.082 | 9.244                                       |
|                       |                    |       |           | 82          | 21.40              | 24.00                   | 15.50                            | 15.63 | 18.58                                        |                           | 6.307            | 6.014 | 9.173                                       |
|                       |                    |       | (106+26)T | 84          | 21.52              | 24.00                   | 15.57                            | 15.63 | 18.61                                        |                           | 6.459            | 6.142 | 9.314                                       |
|                       |                    |       |           | 85          | 20.67              | 24.00                   | 15.55                            | 15.54 | 18.56                                        |                           | 5.803            | 5.874 | 8.849                                       |
|                       | 5710<br>(Straddle) | 142   | SU        | --          | 26.28              | 24.00                   | 19.47                            | 19.45 | 22.47                                        |                           | 6.586            | 6.365 | 9.487                                       |
|                       |                    |       |           | 61          | 16.51              | 23.18                   | 13.85                            | 13.89 | 16.88                                        |                           | 6.653            | 6.256 | 9.469                                       |
|                       |                    |       | 242T      | 62          | 16.42              | 23.15                   | 18.35                            | 18.39 | 21.38                                        |                           | 6.506            | 6.479 | 9.503                                       |
|                       |                    |       |           | 82          | 15.55              | 22.92                   | 15.18                            | 15.28 | 18.24                                        |                           | 6.369            | 6.629 | 9.511                                       |
|                       |                    |       | (106+26)T | 84          | 15.82              | 22.99                   | 15.25                            | 15.20 | 18.24                                        |                           | 6.432            | 6.113 | 9.286                                       |
|                       |                    |       |           | 85          | 15.48              | 22.90                   | 15.18                            | 15.31 | 18.26                                        |                           | 6.378            | 6.167 | 9.284                                       |
| EHT80<br>(FCC)        | 5530               | 106   | SU        | --          | 83.76              | 24.00                   | 14.83                            | 14.81 | 17.83                                        | 11.00                     | Ant 6            | Ant 5 | 8.849                                       |
|                       |                    |       |           | 65          | 42.67              | 24.00                   | 14.91                            | 14.85 | 17.89                                        |                           | 5.803            | 5.874 | 8.849                                       |
|                       |                    |       | 484T      | 66          | 44.10              | 24.00                   | 19.15                            | 19.13 | 22.15                                        |                           | 6.586            | 6.365 | 9.487                                       |
|                       |                    |       |           | 37          | 20.13              | 24.00                   | 11.65                            | 11.72 | 14.70                                        |                           | 6.653            | 6.256 | 9.469                                       |
|                       |                    |       | 52T       | 45          | 20.83              | 24.00                   | 11.67                            | 11.71 | 14.70                                        |                           | 6.506            | 6.479 | 9.503                                       |
|                       |                    |       |           | 52          | 20.53              | 24.00                   | 11.65                            | 11.72 | 14.70                                        |                           | 6.369            | 6.629 | 9.511                                       |
|                       | 5610               | 122   | SU        | --          | 84.45              | 24.00                   | 19.34                            | 19.26 | 22.31                                        |                           | 6.432            | 6.113 | 9.286                                       |
|                       |                    |       |           | 65          | 43.52              | 24.00                   | 19.35                            | 19.19 | 22.28                                        |                           | 6.378            | 6.167 | 9.284                                       |
|                       |                    |       | 484T      | 66          | 44.00              | 24.00                   | 19.21                            | 19.33 | 22.28                                        |                           | 6.339            | 5.959 | 9.163                                       |
|                       |                    |       |           | 37          | 20.64              | 24.00                   | 11.68                            | 11.71 | 14.71                                        |                           | 4.510            | 4.318 | 7.425                                       |
|                       |                    |       | 52T       | 45          | 20.49              | 24.00                   | 11.70                            | 11.61 | 14.67                                        |                           | 6.520            | 6.395 | 9.468                                       |
|                       |                    |       |           | 52          | 20.27              | 24.00                   | 11.62                            | 11.76 | 14.70                                        |                           | 6.513            | 6.544 | 9.539                                       |
| EHT160<br>(FCC)       | 5570               | 114   | SU        | --          | 46.66              | 24.00                   | 19.38                            | 19.41 | 22.41                                        | 11.00                     | 6.608            | 6.244 | 9.440                                       |
|                       |                    |       |           | 65          | 26.57              | 24.00                   | 18.39                            | 18.42 | 21.42                                        |                           | 7.421            | 7.383 | 10.412                                      |
|                       |                    |       | 484T      | 66          | 26.48              | 24.00                   | 19.48                            | 19.38 | 22.44                                        |                           | 6.381            | 6.082 | 9.244                                       |
|                       |                    |       |           | 37          | 15.23              | 22.83                   | 11.74                            | 11.69 | 14.73                                        |                           | 6.307            | 6.014 | 9.173                                       |
|                       |                    |       | 52T       | 45          | 15.28              | 22.84                   | 11.72                            | 11.74 | 14.74                                        |                           | 6.459            | 6.142 | 9.314                                       |
|                       |                    |       |           | 52          | 15.31              | 22.85                   | 11.73                            | 11.66 | 14.71                                        |                           | 5.803            | 5.874 | 8.849                                       |
|                       |                    |       | SU        | --          | 163.70             | 24.00                   | 15.41                            | 15.35 | 18.39                                        |                           | 6.586            | 6.365 | 9.487                                       |
|                       |                    |       |           | 61          | 22.92              | 24.00                   | 16.85                            | 16.91 | 19.89                                        |                           | 6.653            | 6.256 | 9.469                                       |
|                       |                    |       | 242T      | 62          | 22.95              | 24.00                   | 18.41                            | 18.37 | 21.40                                        |                           | 6.506            | 6.479 | 9.503                                       |
|                       |                    |       |           | S64         | 23.26              | 24.00                   | 18.28                            | 18.31 | 21.31                                        |                           | 6.369            | 6.629 | 9.511                                       |
|                       |                    |       | 52T       | 37          | 20.85              | 24.00                   | 11.71                            | 11.57 | 14.65                                        |                           | 6.432            | 6.113 | 9.286                                       |
|                       |                    |       |           | 52          | 20.91              | 24.00                   | 11.59                            | 11.65 | 14.63                                        |                           | 6.378            | 6.167 | 9.284                                       |
|                       |                    |       | 52T       | S52         | 20.80              | 24.00                   | 11.68                            | 11.61 | 14.66                                        |                           | 6.339            | 5.959 | 9.163                                       |

### 9.5.15. 802.11be SISO MODE IN THE UNII-3 BAND

| UNII-3<br>(SISO) | 20MHz |      | 40MHz |      | 80MHz |      |      | 160MHz |               |
|------------------|-------|------|-------|------|-------|------|------|--------|---------------|
|                  | SU    | 26T  | SU    | 106T | SU    | 484T | 106T | SU     | Partial<br>RU |
| DCCF (MCS0) (dB) | 0.00  | 0.00 | 0.00  | 0.15 | 0.00  | 0.00 | 0.13 | N/A    |               |
| Ant 1 (dBi)      | -0.30 |      |       |      |       |      |      |        |               |
| Ant 2 (dBi)      | -2.20 |      |       |      |       |      |      |        |               |

| UNII-3<br>(SISO) | Freq<br>(MHz) | Ch. # | Tone | RU<br>Index | Minimum<br>Bandwidth<br>(MHz) |       | Power<br>Limit<br>(dBm) |       | Output Power<br>(Gated)<br>(dBm) |       | Total<br>Corrected<br>Power<br>(dBm) |       | PSD<br>Limit<br>(dBm/500kHz) |       | PSD<br>(dBm/500kHz) |        | Total<br>Corrected<br>PSD<br>(dBm/500kHz) |        |
|------------------|---------------|-------|------|-------------|-------------------------------|-------|-------------------------|-------|----------------------------------|-------|--------------------------------------|-------|------------------------------|-------|---------------------|--------|-------------------------------------------|--------|
|                  |               |       |      |             | Ant 6                         | Ant 5 | Ant 6                   | Ant 5 | Ant 6                            | Ant 5 | Ant 6                                | Ant 5 | Ant 6                        | Ant 5 | Ant 6               | Ant 5  | Ant 6                                     | Ant 5  |
| EHT20            | 5745          | 149   | SU   | --          | --                            | 30    | 30                      | 30    | 19.84                            | 19.39 | 19.84                                | 19.39 | 30                           | 30    | 6.819               | 6.453  | 6.819                                     | 6.453  |
|                  |               |       | 0    |             |                               |       |                         |       | 19.81                            | 19.25 | 19.81                                | 19.25 |                              |       | 13.867              | 13.102 | 13.867                                    | 13.102 |
|                  |               |       | 4    |             |                               |       |                         |       | 19.77                            | 19.29 | 19.77                                | 19.29 |                              |       | 13.712              | 13.164 | 13.712                                    | 13.164 |
|                  |               |       | 8    |             |                               |       |                         |       | 19.86                            | 19.31 | 19.86                                | 19.31 |                              |       | 14.036              | 13.328 | 14.036                                    | 13.328 |
|                  | 5785          | 157   | SU   | --          |                               |       |                         |       | 19.89                            | 19.32 | 19.89                                | 19.32 |                              |       | 6.875               | 6.375  | 6.875                                     | 6.375  |
|                  |               |       | 0    |             |                               |       |                         |       | 19.89                            | 19.27 | 19.89                                | 19.27 |                              |       | 14.085              | 13.136 | 14.085                                    | 13.136 |
|                  |               |       | 4    |             |                               |       |                         |       | 19.79                            | 19.34 | 19.79                                | 19.34 |                              |       | 13.744              | 13.383 | 13.744                                    | 13.383 |
|                  |               |       | 8    |             |                               |       |                         |       | 19.75                            | 19.23 | 19.75                                | 19.23 |                              |       | 13.657              | 13.102 | 13.657                                    | 13.102 |
|                  | 5825          | 165   | SU   | --          |                               |       |                         |       | 19.77                            | 19.25 | 19.77                                | 19.25 |                              |       | 5.035               | 4.861  | 5.035                                     | 4.861  |
|                  |               |       | 0    |             |                               |       |                         |       | 19.84                            | 19.36 | 19.84                                | 19.36 |                              |       | 13.976              | 13.436 | 13.976                                    | 13.436 |
|                  |               |       | 4    |             |                               |       |                         |       | 19.85                            | 19.39 | 19.85                                | 19.39 |                              |       | 14.036              | 13.444 | 14.036                                    | 13.444 |
|                  |               |       | 8    |             |                               |       |                         |       | 19.91                            | 19.41 | 19.91                                | 19.41 |                              |       | 14.234              | 13.490 | 14.234                                    | 13.490 |
| EHT40            | 5755          | 151   | SU   | --          | --                            | 30    | 30                      | 30    | 19.87                            | 19.41 | 19.87                                | 19.41 | 30                           | 30    | 2.030               | 1.501  | 2.030                                     | 1.501  |
|                  |               |       | 53   |             |                               |       |                         |       | 19.69                            | 19.35 | 19.69                                | 19.35 |                              |       | 7.695               | 6.965  | 7.845                                     | 7.115  |
|                  |               |       | 54   |             |                               |       |                         |       | 19.65                            | 19.40 | 19.65                                | 19.40 |                              |       | 7.851               | 7.481  | 8.001                                     | 7.631  |
|                  |               |       | 56   |             |                               |       |                         |       | 19.89                            | 19.39 | 19.89                                | 19.39 |                              |       | 8.336               | 7.496  | 8.486                                     | 7.646  |
|                  | 5795          | 159   | SU   | --          |                               |       |                         |       | 19.81                            | 19.45 | 19.81                                | 19.45 |                              |       | 1.921               | 1.584  | 1.921                                     | 1.584  |
|                  |               |       | 53   |             |                               |       |                         |       | 19.75                            | 19.31 | 19.75                                | 19.31 |                              |       | 7.964               | 6.866  | 8.114                                     | 7.016  |
|                  |               |       | 54   |             |                               |       |                         |       | 19.71                            | 19.42 | 19.71                                | 19.42 |                              |       | 7.934               | 7.425  | 8.084                                     | 7.575  |
|                  |               |       | 56   |             |                               |       |                         |       | 19.77                            | 19.44 | 19.77                                | 19.44 |                              |       | 8.157               | 7.699  | 8.307                                     | 7.849  |
| EHT80            | 5775          | 155   | SU   | --          | --                            | 30    | 30                      | 30    | 19.89                            | 19.38 | 19.89                                | 19.38 | 30                           | 30    | 0.667               | 0.020  | 0.667                                     | 0.020  |
|                  |               |       | 484T | 65          |                               |       |                         |       | 19.85                            | 19.39 | 19.85                                | 19.39 |                              |       | 3.631               | 3.076  | 3.631                                     | 3.076  |
|                  |               |       | 66   |             |                               |       |                         |       | 19.89                            | 19.44 | 19.89                                | 19.44 |                              |       | 3.768               | 3.12   | 3.768                                     | 3.120  |
|                  |               |       | 53   |             |                               |       |                         |       | 19.84                            | 19.31 | 19.84                                | 19.31 |                              |       | 8.027               | 7.420  | 8.027                                     | 7.420  |
|                  |               |       | 106T | 56          |                               |       |                         |       | 19.91                            | 19.41 | 19.91                                | 19.41 |                              |       | 8.684               | 8.221  | 8.684                                     | 8.221  |
|                  |               |       | 60   |             |                               |       |                         |       | 19.76                            | 19.34 | 19.76                                | 19.34 |                              |       | 7.987               | 7.539  | 7.987                                     | 7.539  |
|                  |               |       |      |             |                               |       |                         |       |                                  |       |                                      |       |                              |       |                     |        |                                           |        |
|                  |               |       |      |             |                               |       |                         |       |                                  |       |                                      |       |                              |       |                     |        |                                           |        |





**9.5.16. 802.11be MIMO CDD MODE IN THE UNII-3 BAND**

| UNII-3<br>(MIMO CDD)     | 20MHz |      | 40MHz |      | 80MHz |      |      | 160MHz |               |  |  |
|--------------------------|-------|------|-------|------|-------|------|------|--------|---------------|--|--|
|                          | SU    | 26T  | SU    | 106T | SU    | 484T | 106T | SU     | Partial<br>RU |  |  |
| DCCF (MCS0) (dB)         | 0.00  | 0.00 | 0.00  | 0.15 | 0.00  | 0.00 | 0.13 | N/A    |               |  |  |
| Un-Correlated Gain (dBi) | -1.15 |      |       |      |       |      |      |        |               |  |  |
| Correlated Gain (dBi)    | 1.81  |      |       |      |       |      |      |        |               |  |  |

| UNII-3<br>(MIMO CDD) | Freq<br>(MHz) | Ch. # | Tone | RU<br>Index | Min<br>BW<br>(MHz) | Power<br>Limit<br>(dBm) | Output Power<br>(Gated)<br>(dBm) |       | Total<br>MIMO<br>Corrected<br>Power<br>(dBm) | PSD<br>Limit<br>(dBm/500kHz) | PSD<br>(dBm/500kHz) |        | Total MIMO<br>Corrected<br>PSD<br>(dBm/500kHz) |
|----------------------|---------------|-------|------|-------------|--------------------|-------------------------|----------------------------------|-------|----------------------------------------------|------------------------------|---------------------|--------|------------------------------------------------|
|                      |               |       |      |             |                    |                         | Ant 6                            | Ant 5 |                                              |                              | Ant 6               | Ant 5  |                                                |
| EHT20                | 5745          | 149   | SU   | --          | --                 | 30                      | 19.43                            | 19.49 | 22.47                                        | 30                           | 4.423               | 4.291  | 7.368                                          |
|                      |               |       | 0    |             |                    |                         | 19.34                            | 19.27 | 22.32                                        |                              | 13.339              | 13.010 | 16.188                                         |
|                      |               |       | 26T  | 4           |                    |                         | 19.33                            | 19.27 | 22.31                                        |                              | 13.358              | 12.998 | 16.192                                         |
|                      |               |       | 8    |             |                    |                         | 19.32                            | 19.29 | 22.32                                        |                              | 13.427              | 13.053 | 16.254                                         |
|                      | 5785          | 157   | SU   | --          |                    |                         | 19.41                            | 19.31 | 22.37                                        |                              | 4.768               | 4.501  | 7.647                                          |
|                      |               |       | 0    |             |                    |                         | 19.41                            | 19.34 | 22.39                                        |                              | 13.387              | 13.282 | 16.345                                         |
|                      |               |       | 26T  | 4           |                    |                         | 19.37                            | 19.31 | 22.35                                        |                              | 13.288              | 13.259 | 16.284                                         |
|                      |               |       | 8    |             |                    |                         | 19.39                            | 19.44 | 22.43                                        |                              | 13.373              | 13.459 | 16.427                                         |
|                      | 5825          | 165   | SU   | --          |                    |                         | 19.45                            | 19.49 | 22.48                                        |                              | 4.553               | 4.766  | 7.671                                          |
|                      |               |       | 0    |             |                    |                         | 19.34                            | 19.38 | 22.37                                        |                              | 13.438              | 13.507 | 16.483                                         |
|                      |               |       | 26T  | 4           |                    |                         | 19.29                            | 19.27 | 22.29                                        |                              | 13.357              | 13.173 | 16.276                                         |
|                      |               |       | 8    |             |                    |                         | 19.29                            | 19.30 | 22.31                                        |                              | 13.257              | 13.327 | 16.302                                         |
| EHT40                | 5755          | 151   | SU   | --          | --                 | 30                      | 19.35                            | 19.28 | 22.33                                        | 30                           | 1.892               | 1.470  | 4.696                                          |
|                      |               |       | 53   |             |                    |                         | 19.36                            | 19.32 | 22.35                                        |                              | 7.325               | 6.837  | 10.248                                         |
|                      |               |       | 106T | 54          |                    |                         | 19.42                            | 19.44 | 22.44                                        |                              | 7.671               | 7.709  | 10.850                                         |
|                      |               |       | 56   |             |                    |                         | 19.34                            | 19.43 | 22.40                                        |                              | 7.365               | 7.663  | 10.677                                         |
|                      | 5795          | 159   | SU   | --          |                    |                         | 19.39                            | 19.31 | 22.36                                        |                              | 1.908               | 1.475  | 4.707                                          |
|                      |               |       | 53   |             |                    |                         | 19.27                            | 19.31 | 22.30                                        |                              | 7.022               | 7.508  | 10.432                                         |
|                      |               |       | 106T | 54          |                    |                         | 19.33                            | 19.25 | 22.30                                        |                              | 7.581               | 7.134  | 10.524                                         |
|                      |               |       | 56   |             |                    |                         | 19.49                            | 19.47 | 22.49                                        |                              | 9.166               | 8.583  | 12.045                                         |
| EHT80                | 5775          | 155   | SU   | --          | --                 | 30                      | 19.37                            | 19.41 | 22.40                                        | 30                           | -1.473              | -1.194 | 1.679                                          |
|                      |               |       | 484T | 65          |                    |                         | 19.39                            | 19.34 | 22.38                                        |                              | 3.003               | 2.868  | 5.946                                          |
|                      |               |       | 66   |             |                    |                         | 19.41                            | 19.36 | 22.40                                        |                              | 3.272               | 2.996  | 6.146                                          |
|                      |               |       | 53   |             |                    |                         | 19.31                            | 19.33 | 22.33                                        |                              | 7.285               | 7.754  | 10.666                                         |
|                      |               |       | 56   |             |                    |                         | 19.35                            | 19.39 | 22.38                                        |                              | 7.779               | 8.058  | 11.061                                         |
|                      |               |       | 60   |             |                    |                         | 19.38                            | 19.41 | 22.41                                        |                              | 7.592               | 7.699  | 10.786                                         |
|                      |               |       |      |             |                    |                         |                                  |       |                                              |                              |                     |        |                                                |
|                      |               |       |      |             |                    |                         |                                  |       |                                              |                              |                     |        |                                                |

## 10. SETUP PHOTOS

Refer to 15496278-EP1 FCC IC Setup\_Photo for setup photos.

## 11. APPENDIX A – SPOT CHECK EVALUATION

### 11.1. MODEL DIFFERENCES

The manufacturer hereby declares the following for models A3258, A3519, A3520 and A3521.

These models have the same PCB layout, design, common components, antennas, antenna locations and housing cases, except for FR2 is removed from variants and disabled/enabled cellular bands via software as shown below.

| Model | FCC ID     | IC ID       | Feature Difference                                                 | Sim Support | Reference Model |
|-------|------------|-------------|--------------------------------------------------------------------|-------------|-----------------|
| A3258 | BCG-E8947A | 579C-E8947A | -With FR2<br>-No B11/21<br>-No UL MIMO                             | eSIM        | -               |
| A3519 | BCG-E8951A | 579C-E8951A | -Without FR2<br>-Added B11/21<br>-No UL MIMO                       | eSIM        | A3258           |
| A3520 | BCG-E8952A | 579C-E8952A | -Without FR2<br>-No B14, B29, B71, B11/21<br>-No UL MIMO           | eSIM+pSIM   | A3519           |
| A3521 | BCG-E8953A | 579C-E8953A | -Without FR2<br>-No B14, B29, B71, B11/21, B53<br>-No UL MIMO, MSS | pSIM+pSIM   |                 |

The spot check plan allows for data reuse from the reference model where the variant model data meets the limits and has not changed by more than the criteria from KDB 484596 D01 v03 equation (4).

$$d_{dB} = |V_{dB} - R_{dB}| \quad (1)$$

$$d_{dB} \leq d_{dBmax} \quad (2)$$

$$d_{dBmax}(M_{dB}) = \begin{cases} (3 + M_{dB}/20) \text{ dB} & , \text{ for } 0 \leq M_{dB} \leq 60 \text{ dB} \\ 6 \text{ dB} & , \text{ for } M_{dB} > 60 \text{ dB} \end{cases} \quad (4)$$

Where  $d_{dB}$  is deviation between the variant and the reference model,  $V_{dB}$  is variant spot check level,  $R_{dB}$  is the corresponding reference measurement level,  $d_{dBmax}$  is the maximum deviation  $d_{dB}$  allowed, and  $M_{dB}$  is the margin in dB.

## 11.2. SPOT CHECK VERIFICATION RESULTS SUMMARY FOR A3519

| A3519 SPOT CHECK RESULTS     |                 |                      |           |                            |         |                                         |                       |                     |            |        |         |
|------------------------------|-----------------|----------------------|-----------|----------------------------|---------|-----------------------------------------|-----------------------|---------------------|------------|--------|---------|
| Equipment Class / Technology | Frequency (GHz) | Mode                 | Data Rate | Test Item                  | Channel | Measured Frequency (GHz)                | Original Model: A3258 | Sub Model: A3519    | Delta (dB) | Margin | Remarks |
|                              |                 |                      |           |                            |         |                                         | FCC ID : BCG-E8947A   | FCC ID : BCG-E8951A |            |        |         |
| NII / UNII-1                 | 5.2G            | EHT40 SU (FCC ANT 5) | MCS0      | Avg Power (dBm)            | 46      | Fundamental                             | 19.49                 | 19.43               | -0.06      | -4.51  | Note 1  |
|                              |                 | EHT160 SU (ANT 5)    | MCS11     | Radiated Bandedge (dBuV/m) | 50      | Horizontal Low Bandedge (5.1287 GHz)    | 51.35                 | 51.42               | 0.07       | -2.65  | Note 1  |
| NII / UNII-2A                | 5.3G            | ETH20 SU (FCC ANT 5) | MCS0      | Avg Power (dBm)            | 60      | Fundamental                             | 19.43                 | 19.41               | -0.02      | -4.57  | Note 1  |
|                              |                 | HT40 SISO (ANT 5)    | MCS7      | Radiated Bandedge (dBuV/m) | 62      | Horizontal High Bandedge (5.350659 GHz) | 51.07                 | 50.06               | -1.01      | -2.93  | Note 1  |
| NII / UNII-2C                | 5.6G            | EHT20 SU (FCC ANT 5) | MCS0      | Avg Power (dBm)            | 144     | Fundamental                             | 19.43                 | 19.40               | -0.03      | -4.57  | Note 1  |
|                              |                 | EHT80 SU (ANT 5)     | MCS11     | Radiated Bandedge (dBuV/m) | 106     | Horizontal Low Bandedge (5.467554 GHz)  | 63.62                 | 62.07               | -1.55      | -4.58  | Note 1  |
| NII / UNII-3                 | 5.8G            | EHT40 SU (FCC ANT 5) | MCS0      | Avg Power (dBm)            | 159     | Fundamental                             | 19.45                 | 19.43               | -0.02      | -10.55 | Note 1  |
|                              |                 | EHT80 SU (ANT 5)     | MCS11     | Radiated Bandedge (dBuV/m) | 155     | Horizontal Low Bandedge (5.649284 GHz)  | -31.70                | -33.94              | -2.24      | -4.70  | Note 1  |

Note 1: Deviation from reference to variant within the value allowed by equation (4) in KDB 484596. Additional tests not required.

### 11.3. SPOT CHECK VERIFICATION RESULTS SUMMARY FOR A3520

| A3520 SPOT CHECK RESULTS     |                 |                      |           |                            |         |                                         |                       |                     |            |        |         |
|------------------------------|-----------------|----------------------|-----------|----------------------------|---------|-----------------------------------------|-----------------------|---------------------|------------|--------|---------|
| Equipment Class / Technology | Frequency (GHz) | Mode                 | Data Rate | Test Item                  | Channel | Measured Frequency (GHz)                | Original Model: A3258 | Sub Model: A3520    | Delta (dB) | Margin | Remarks |
|                              |                 |                      |           |                            |         |                                         | FCC ID : BCG-E8947A   | FCC ID : BCG-E8952A |            |        |         |
| NII / UNII-1                 | 5.2G            | EHT40 SU (FCC ANT 5) | MCS0      | Avg Power (dBm)            | 46      | Fundamental                             | 19.49                 | 19.41               | -0.08      | -4.51  | Note 1  |
|                              |                 | EHT160 SU (ANT 5)    | MCS11     | Radiated Bandedge (dBuV/m) | 50      | Horizontal Low Bandedge (5.1287 GHz)    | 51.35                 | 51.33               | -0.02      | -2.65  | Note 1  |
| NII / UNII-2A                | 5.3G            | ETH20 SU (FCC ANT 5) | MCS0      | Avg Power (dBm)            | 60      | Fundamental                             | 19.43                 | 19.42               | -0.01      | -4.57  | Note 1  |
|                              |                 | HT40 SISO (ANT 5)    | MCS7      | Radiated Bandedge (dBuV/m) | 62      | Horizontal High Bandedge (5.350659 GHz) | 51.07                 | 49.55               | -1.52      | -2.93  | Note 1  |
| NII / UNII-2C                | 5.6G            | EHT20 SU (FCC ANT 5) | MCS0      | Avg Power (dBm)            | 144     | Fundamental                             | 19.43                 | 19.36               | -0.07      | -4.57  | Note 1  |
|                              |                 | EHT80 SU (ANT 5)     | MCS11     | Radiated Bandedge (dBuV/m) | 106     | Horizontal Low Bandedge (5.467554 GHz)  | 63.62                 | 62.83               | -0.79      | -4.58  | Note 1  |
| NII / UNII-3                 | 5.8G            | EHT40 SU (FCC ANT 5) | MCS0      | Avg Power (dBm)            | 159     | Fundamental                             | 19.45                 | 19.42               | -0.03      | -10.55 | Note 1  |
|                              |                 | EHT80 SU (ANT 5)     | MCS11     | Radiated Bandedge (dBuV/m) | 155     | Horizontal Low Bandedge (5.649284 GHz)  | -31.70                | -33.82              | -2.12      | -4.70  | Note 1  |

Note 1: Deviation from reference to variant within the value allowed by equation (4) in KDB 484596. Additional tests not required.

| A3520 SPOT CHECK RESULTS     |                     |                    |           |                            |                |         |                          |                       |                     |            |        |         |
|------------------------------|---------------------|--------------------|-----------|----------------------------|----------------|---------|--------------------------|-----------------------|---------------------|------------|--------|---------|
| Equipment Class / Technology | Frequency (GHz)     | Mode               | Data Rate | Test Item                  |                | Channel | Measured Frequency (GHz) | Original Model: A3519 | Sub Model: A3520    | Delta (dB) | Margin | Remarks |
|                              |                     |                    |           |                            |                |         |                          | FCC ID : BCG-E895A    | FCC ID : BCG-E8952A |            |        |         |
| NII / UNII-1                 | 5.150 - 5.250 (FCC) | HT40 CDD MIMO      | MCS0      | Avg Power (dBm)            | Fundamental    | 46      | Fundamental              | 22.44                 | 22.13               | -0.31      | -1.56  | Note 1  |
| NII / UNII-2A                | 5.250 - 5.350       | HT40 CDD MIMO      | MCS0      | Avg Power (dBm)            | Fundamental    | 54      | Fundamental              | 22.41                 | 22.35               | -0.06      | -1.59  | Note 1  |
| NII / UNII-2C                | 5.470 - 5.725       | EHT40 MIMO SU      | MCS0      | Avg Power (dBm)            | Fundamental    | 142     | Fundamental              | 22.47                 | 22.46               | -0.01      | -1.53  | Note 1  |
| NII / UNII-3                 | 5.725 - 5.850       | EHT20 MIMO SU      | MCS0      | Avg Power (dBm)            | Fundamental    | 165     | Fundamental              | 22.48                 | 22.41               | -0.07      | -7.52  | Note 1  |
| NII / UNII-1                 | 5.150 - 5.250 (FCC) | VHT80 (ANT 6)      | MCS9      | Radiated Bandedge (dBuV/m) | Horizontal Avg | 42      | 5.210                    | 51.40                 | 49.76               | -1.64      | -2.60  | Note 1  |
| NII / UNII-2A                | 5.250 - 5.350 (FCC) | EHT20 MIMO SU Mode | MCS11     | Radiated Bandedge (dBuV/m) | Horizontal Avg | 64      | 5.320                    | 51.09                 | 50.58               | -0.51      | -2.91  | Note 1  |
| NII / UNII-2A                | 5.250 - 5.350 (FCC) | EHT20 MIMO 52T     | MCS0      | RSE Radiated (dBuV/m)      | Horizontal Avg | 60      | 5.300                    | 42.87                 | 41.33               | -1.54      | -11.13 | Note 1  |

Note 1: Deviation from reference to variant within the value allowed by equation (4) in KDB 484596. Additional tests not required.

## 11.4. SPOT CHECK VERIFICATION RESULTS SUMMARY FOR A3521

| A3521 SPOT CHECK RESULTS     |                 |                      |           |                            |         |                                         |                       |                     |            |        |         |
|------------------------------|-----------------|----------------------|-----------|----------------------------|---------|-----------------------------------------|-----------------------|---------------------|------------|--------|---------|
| Equipment Class / Technology | Frequency (GHz) | Mode                 | Data Rate | Test Item                  | Channel | Measured Frequency (GHz)                | Original Model: A3258 | Sub Model: A3521    | Delta (dB) | Margin | Remarks |
|                              |                 |                      |           |                            |         |                                         | FCC ID : BCG-E8947A   | FCC ID : BCG-E8953A |            |        |         |
| NII / UNII-1                 | 5.2G            | EHT40 SU (FCC ANT 5) | MCS0      | Avg Power (dBm)            | 46      | Fundamental                             | 19.49                 | 19.46               | -0.03      | -4.51  | Note 1  |
|                              |                 | EHT160 SU (ANT 5)    | MCS11     | Radiated Bandedge (dBuV/m) | 50      | Horizontal Low Bandedge (5.1287 GHz)    | 51.35                 | 51.25               | -0.10      | -2.65  | Note 1  |
| NII / UNII-2A                | 5.3G            | ETH20 SU (FCC ANT 5) | MCS0      | Avg Power (dBm)            | 60      | Fundamental                             | 19.43                 | 19.41               | -0.02      | -4.57  | Note 1  |
|                              |                 | HT40 SISO (ANT 5)    | MCS7      | Radiated Bandedge (dBuV/m) | 62      | Horizontal High Bandedge (5.350659 GHz) | 51.07                 | 49.87               | -1.20      | -2.93  | Note 1  |
| NII / UNII-2C                | 5.6G            | EHT20 SU (FCC ANT 5) | MCS0      | Avg Power (dBm)            | 144     | Fundamental                             | 19.43                 | 19.34               | -0.09      | -4.57  | Note 1  |
|                              |                 | EHT80 SU (ANT 5)     | MCS11     | Radiated Bandedge (dBuV/m) | 106     | Horizontal Low Bandedge (5.467554 GHz)  | 63.62                 | 62.99               | -0.63      | -4.58  | Note 1  |
| NII / UNII-3                 | 5.8G            | EHT40 SU (FCC ANT 5) | MCS0      | Avg Power (dBm)            | 159     | Fundamental                             | 19.45                 | 19.42               | -0.03      | -10.55 | Note 1  |
|                              |                 | EHT80 SU (ANT 5)     | MCS11     | Radiated Bandedge (dBuV/m) | 155     | Horizontal Low Bandedge (5.649284 GHz)  | -31.70                | -32.89              | -1.19      | -4.70  | Note 1  |

Note 1: Deviation from reference to variant within the value allowed by equation (4) in KDB 484596. Additional tests not required.

| A3520 SPOT CHECK RESULTS     |                     |                    |           |                            |                |         |                          |                       |                     |            |        |         |
|------------------------------|---------------------|--------------------|-----------|----------------------------|----------------|---------|--------------------------|-----------------------|---------------------|------------|--------|---------|
| Equipment Class / Technology | Frequency (GHz)     | Mode               | Data Rate | Test Item                  |                | Channel | Measured Frequency (GHz) | Original Model: A3519 | Sub Model: A3521    | Delta (dB) | Margin | Remarks |
|                              |                     |                    |           |                            |                |         |                          | FCC ID : BCG-E8951A   | FCC ID : BCG-E8953A |            |        |         |
| NII / UNII-1                 | 5.150 - 5.250 (FCC) | HT40 CDD MIMO      | MCS0      | Avg Power (dBm)            | Fundamental    | 46      | Fundamental              | 22.44                 | 22.41               | -0.03      | -1.56  | Note 1  |
| NII / UNII-2A                | 5.250 - 5.350       | HT40 CDD MIMO      | MCS0      | Avg Power (dBm)            | Fundamental    | 54      | Fundamental              | 22.41                 | 22.33               | -0.08      | -1.59  | Note 1  |
| NII / UNII-2C                | 5.470 - 5.725       | EHT40 MIMO SU      | MCS0      | Avg Power (dBm)            | Fundamental    | 142     | Fundamental              | 22.47                 | 22.42               | -0.05      | -1.53  | Note 1  |
| NII / UNII-3                 | 5.725 - 5.850       | EHT20 MIMO SU      | MCS0      | Avg Power (dBm)            | Fundamental    | 165     | Fundamental              | 22.48                 | 22.44               | -0.04      | -7.52  | Note 1  |
| NII / UNII-1                 | 5.150 - 5.250 (FCC) | VHT80 (ANT 6)      | MCS9      | Radiated Bandedge (dBuV/m) | Horizontal Avg | 42      | 5.210                    | 51.40                 | 48.98               | -2.42      | -2.60  | Note 1  |
| NII / UNII-2A                | 5.250 - 5.350 (FCC) | EHT20 MIMO SU Mode | MCS11     | Radiated Bandedge (dBuV/m) | Horizontal Avg | 64      | 5.320                    | 51.09                 | 51.95               | 0.86       | -2.91  | Note 1  |
| NII / UNII-2A                | 5.250 - 5.350 (FCC) | EHT20 MIMO 52T     | MCS0      | RSE Radiated (dBuV/m)      | Horizontal Avg | 60      | 5.300                    | 42.87                 | 43.63               | 0.76       | -11.13 | Note 1  |

Note 1: Deviation from reference to variant within the value allowed by equation (4) in KDB 484596. Additional tests not required.