

# TEST REPORT

|                            |                                                                                                    |
|----------------------------|----------------------------------------------------------------------------------------------------|
| EUT Description            | 2x2 Wi-Fi and BT, M.2 2230 adapter card                                                            |
| Brand Name                 | Intel® BE201NGW                                                                                    |
| Model Name                 | BE201NGW                                                                                           |
| FCC ID / IC ID             | PD9BE201NG ; 1000M-BE201NG                                                                         |
| Date of Test Start/End     | 2023-11-10 / 2025-03-06                                                                            |
| Features                   | 2x2 Wi-Fi - Bluetooth®<br>(see section 5)                                                          |
| Applicant                  | Intel Corporation SAS                                                                              |
| Address                    | 425 Rue de Goa – Le Cargo B6 – 06600 Antibes, FRANCE                                               |
| Contact Person             | Benjamin Lavenant                                                                                  |
| Telephone/Fax/ Email       | Benjamin.lavenant@intel.com                                                                        |
| Reference Standards        | FCC CFR Title 47 Part 15 E<br>RSS-248 issue 3, RSS-Gen issue 5 - A1<br>(see section 1)             |
| Test Report identification | 241030-01.TR01                                                                                     |
| Revision Control           | Rev. 03<br>This test report revision replaces any previous test report revision<br>(see section 8) |

The test results relate only to the samples tested.  
Reference to accreditation shall be used only by full reproduction of test report.

Reviewed by

Zayd OUACHICHA  
(Technical Manager)

Intel Corporation S.A.S – WRF Lab  
425 rue de Goa – Le Cargo B6 - 06600, Antibes, France  
Tel. +33493001400 / Fax +33493001401

# Table of Contents

---

|                 |                                                                         |           |
|-----------------|-------------------------------------------------------------------------|-----------|
| <b>1.</b>       | <b>Standards, reference documents and applicable test methods .....</b> | <b>3</b>  |
| <b>2.</b>       | <b>General conditions, competences and guarantees .....</b>             | <b>3</b>  |
| <b>3.</b>       | <b>Environmental Conditions.....</b>                                    | <b>3</b>  |
| <b>4.</b>       | <b>Test samples.....</b>                                                | <b>4</b>  |
| <b>5.</b>       | <b>EUT Features .....</b>                                               | <b>4</b>  |
| <b>6.</b>       | <b>Remarks and comments.....</b>                                        | <b>4</b>  |
| <b>7.</b>       | <b>Test Verdicts summary.....</b>                                       | <b>5</b>  |
| <b>7.1.</b>     | <b>802.11 ax/be – U-NII-5 to U-NII-8 .....</b>                          | <b>5</b>  |
| <b>8.</b>       | <b>Document Revision History .....</b>                                  | <b>5</b>  |
| <b>Annex A.</b> | <b>Test &amp; System Description.....</b>                               | <b>6</b>  |
| A.1             | MEASUREMENT SYSTEM.....                                                 | 6         |
| A.2             | TEST EQUIPMENT LIST .....                                               | 6         |
| A.3             | MEASUREMENT UNCERTAINTY EVALUATION .....                                | 7         |
| <b>Annex B.</b> | <b>Test Results .....</b>                                               | <b>8</b>  |
| B.1             | TEST CONDITIONS.....                                                    | 8         |
| B.2             | TEST RESULTS TABLES .....                                               | 9         |
| B.2.1           | 26dB & 99% BANDWIDTH.....                                               | 9         |
| B.2.2           | MAXIMUM OUTPUT POWER & MAXIMUM POWER SPECTRAL DENSITY .....             | 14        |
| B.2.3           | TRANSMIT POWER CONTROL – POWER SPECTRAL DENSITY .....                   | 32        |
| B.2.4           | EMISSIONS MASK.....                                                     | 41        |
| B.2.5           | FREQUENCY STABILITY .....                                               | 42        |
| B.2.6           | CONTENTION-BASED PROTOCOL.....                                          | 43        |
| B.2.7           | UNDESIRABLE EMISSION LIMITS : OUT OF BAND (CONDUCTED).....              | 44        |
| <b>Annex C.</b> | <b>System Plots .....</b>                                               | <b>45</b> |
| C.1.1           | 26dB & 99% BANDWIDTH .....                                              | 45        |
| C.1.2           | MAXIMUM OUTPUT POWER & MAXIMUM POWER SPECTRAL DENSITY .....             | 47        |
| C.1.3           | EMISSION MASK .....                                                     | 49        |
| C.1.4           | UNDESIRABLE EMISSION LIMITS : OUT OF BAND (CONDUCTED).....              | 51        |
| <b>Annex D.</b> | <b>Photographs .....</b>                                                | <b>59</b> |
| D.1             | TEST SETUP .....                                                        | 59        |
| D.2             | TEST SAMPLE .....                                                       | 60        |

## 1. Standards, reference documents and applicable test methods

|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FCC  | <ol style="list-style-type: none"> <li>1. FCC Title 47 eCFR part 15 – Subpart E - Unlicensed National Information Infrastructure Devices. 2023-10-01 edition</li> <li>2. FCC OET KDB 987594 D01 U-NII 6GHz General Requirements v03</li> <li>3. FCC OET KDB 987594 D02 U-NII 6 GHz EMC Measurement v03</li> <li>4. FCC OET KDB 987594 D03 U-NII 6 GHz QA v03</li> <li>5. FCC OET KDB 987594 D04 UN6GHZ Pre-Approval Guidance Checklist v03</li> <li>6. FCC OET KDB 789033 D02 v02r01 - General U-NII Test Procedures New Rules – Guidelines for compliance testing of Unlicensed National Information Infrastructure (U-NII) Devices.</li> <li>7. FCC OET KDB 662911 D01 v02r01 - Emissions Testing of Transmitters with Multiple Outputs in the Same Band.</li> <li>8. ANSI C63.10-2020 American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices.</li> </ol> |
| ISED | <ol style="list-style-type: none"> <li>1. RSS-248 Issue 3 - Radio Local Area Network (RLAN) Devices operating in the 5925-7125 MHz band.</li> <li>2. RSS-Gen Issue 5 Amendment 1 - General Requirements for Compliance of Radio Apparatus.</li> <li>3. FCC OET KDB 987594 D01 U-NII 6GHz General Requirements v03</li> <li>4. FCC OET KDB 987594 D02 U-NII 6 GHz EMC Measurement v03</li> <li>5. FCC OET KDB 987594 D03 U-NII 6 GHz QA v03</li> <li>6. ANSI C63.10-2020 American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices</li> </ol>                                                                                                                                                                                                                                                                                                                   |

## 2. General conditions, competences and guarantees

- ✓ Tests performed under FCC standards identified in section 1 are covered by A2LA accreditation.
- ✓ Tests performed under ISED standards identified in section 1 are covered by Cofrac accreditation.
- ✓ Intel Corporation SAS Wireless RF Lab (Intel WRF Lab) is an ISO/IEC 17025:2017 laboratory accredited by the American Association for Laboratory Accreditation (A2LA) with the certificate number 3478.01.
- ✓ Intel Corporation SAS Wireless RF Lab (Intel WRF Lab) is an Accredited Test Firm recognized by the FCC, with Designation Number FR0011.
- ✓ Intel Corporation SAS Wireless RF Lab (Intel WRF Lab) is an ISO/IEC 17025:2017 testing laboratory accredited by the French Committee for Accreditation (Cofrac) with the certificate number 1-6736.
- ✓ Intel Corporation SAS Wireless RF Lab (Intel WRF Lab) is a Registered Test Site listed by ISED, with ISED #1000Y and CAB identifier FR0005.
- ✓ Intel WRF Lab only provides testing services and is committed to providing reliable, unbiased test results and interpretations.
- ✓ Intel WRF Lab is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.
- ✓ Intel WRF Lab has developed calibration and proficiency programs for its measurement equipment to ensure correlated and reliable results to its customers.
- ✓ This report is only referred to the item that has undergone the test.
- ✓ This report does not imply an approval of the product by the Certification Bodies or competent Authorities.

## 3. Environmental Conditions

- ✓ At the site where the measurements were performed the following limits were not exceeded during the tests:

|             |                                                   |
|-------------|---------------------------------------------------|
| Temperature | Min: 21.27 °C<br>Max: 22.68°C<br>Average: 21.67°C |
| Humidity    | Min: 35.11%<br>Max: 49.61%<br>Average: 41.35%     |

## 4. Test samples

| Sample | Control #     | Description                    | Model         | Serial #          | Date of receipt |
|--------|---------------|--------------------------------|---------------|-------------------|-----------------|
| #01    | 231109-03.S52 | WiFi 7 Module                  | BE201NGW      | WFM :4C496C6BCCA9 | 2023-11-10      |
|        | 231109-03.S02 | WiFi 7 Module                  | BE201NGW      | A002A5B1A62F      | 2023-11-10      |
|        | 231109-03.S70 | CRF DB 2230 BNJ Extender Board | PCB00862-00_A | 2207308398        | 2023-11-10      |
|        | 200904-01.S09 | Laptop                         | HP (HSN-I42C) | 000075059H        | 2020-09-21      |

## 5. EUT Features

The herein information is provided by the customer

Intel WRF Lab declines any responsibility for the accuracy of the stated customer provided information, especially if it has any impact on the correctness of test results presented in this report.

|                        |                                                                                                                                                                                            |                             |                            |                            |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|----------------------------|----------------------------|
| Brand Name             | Intel® BE201NGW                                                                                                                                                                            |                             |                            |                            |
| Model Name             | BE201NGW                                                                                                                                                                                   |                             |                            |                            |
| Software Version       | DRTU.07542.99.0.92                                                                                                                                                                         |                             |                            |                            |
| Driver Version         | 99.0.92.4                                                                                                                                                                                  |                             |                            |                            |
| Supported Radios       | <div>802.11b/g/n/ax/be2.4GHz</div> <div>802.11a/n/ac/ax/be5.2GHz</div> <div>5.6GHz</div> <div>5.8GHz</div> <div>6.0GHz</div> <div>Bluetooth2.4GHz</div> <div>802.11b/g/n/ax/be2.4GHz</div> |                             |                            |                            |
| Antenna Information    | <div></div>                                                                                                                                                                                | Transmitter                 | Ant A/1/Aux Main SISO Mode | Ant B/2/Aux/Main SISO Mode |
|                        |                                                                                                                                                                                            | Manufacturer                | Intel                      | Intel                      |
|                        |                                                                                                                                                                                            | PIFA antenna                | PIFA antenna               | PIFA antenna               |
|                        |                                                                                                                                                                                            | SN                          | NA                         | NA                         |
|                        |                                                                                                                                                                                            | Declared Antenna gain (dBi) | +5.02                      | +5.02                      |
|                        | MIMO mode signal: Completely uncorrelated.                                                                                                                                                 |                             |                            |                            |
| Additional information | The EUT class is Very Low Power (6VL)                                                                                                                                                      |                             |                            |                            |

## 6. Remarks and comments

- No deviations were made from the test methods listed in section 1 of this report
- This report only presents conducted measurements, for radiated spurious measurements refer to report :231109-03.TR11

## 7. Test Verdicts summary

The statement of conformity to applicable standards in the table below are based on the measured values, without taking into account the measurement uncertainties.

### 7.1. 802.11 ax/be – U-NII-5 to U-NII-8

| FCC part        | RSS clause                                      | Test name                                             | Verdict |
|-----------------|-------------------------------------------------|-------------------------------------------------------|---------|
| 15.407 (a) (10) | RSS-248 Clause 4.4                              | Occupied Bandwidth                                    | P       |
| 15.407 (a) (9)  | RSS-248 Clause 4.5                              | Maximum output power                                  | P       |
| 15.407 (a) (9)  | RSS-248 Clause 4.5                              | Power spectral density                                | P       |
| 15.407 (d) (10) | RSS-248 Clause 4.5                              | Transmit Power Control – Power Spectral Density       | P       |
| 15.407 (b) (5)  | RSS-248 Clause 4.6                              | Undesirable emissions limits: out of band (conducted) | P       |
| 15.407 (b) (6)  | RSS-248 Clause 4.6                              | In-Band Emissions (Mask)                              | P       |
| 15.407 (d) (6)  | RSS-248 Clause 4.7                              | Contention based protocol                             | P       |
| 15.407(g)       | RSS-Gen Issue 5<br>Amendment 1 – clause<br>6.11 | Frequency Stability                                   | P       |

P: Pass

F: Fail

NM: Not Measured

NA: Not Applicable

## 8. Document Revision History

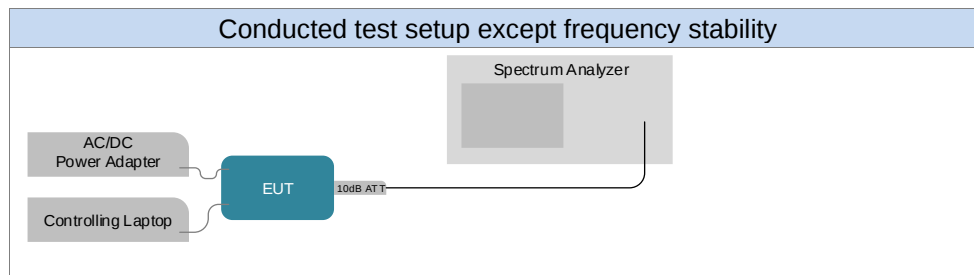
| Revision # | Modified by | Revision Details                                                                                                                                             |
|------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Rev. 00    | T. MATHIEU  | First Issue                                                                                                                                                  |
| Rev. 01    | T. MATHIEU  | Added Emissions Mask plots as per customer request                                                                                                           |
| Rev. 02    | T. MATHIEU  | Included FCC to the UNII6 and UNII8 bands in sections B.2.2 and B.2.3 (FCC 24-125)                                                                           |
| Rev.03     | Z.OUACHICHA | Included plots for Out-of-Band emissions in Annex C1.4 and updated the Maximum Output Power and Power Spectral Density (PSD) for channel 233 in Section B2.2 |

# Annex A. Test & System Description

## A.1 Measurement System

Measurements were performed using these following setup.

The DUT was installed in a test fixture and this test fixture is connected to a laptop computer and AC/DC power adapter. The laptop computer was used to configure the EUT to continuously transmit at a specified output power using all different modes and modulation schemes, using the Intel proprietary tool DRTU.



## A.2 Test Equipment List

Conducted setup except frequency stability

| ID#     | Device                  | Type/Model | Serial #   | Manufacturer    | Cal. Date  | Cal. Due Date |
|---------|-------------------------|------------|------------|-----------------|------------|---------------|
| 134-000 | Spectrum Analyzer       | FSV30      | 103308     | Rohde & Schwarz | 2023-07-26 | 2025-07-26    |
| 131-000 | Spectrum Analyzer       | FSV40      | 101425     | Rohde & Schwarz | 2022-07-10 | 2024-07-10    |
| 266-000 | Spectrum Analyzer       | FSV30      | 103307     | Rohde & Schwarz | 2022-04-26 | 2024-04-26    |
| 017-003 | Power supply            | E3640A     | MY40006885 | Agilent         | NA         | NA            |
| 017-002 | Multimeter              | 34401A     | US36065790 | HP              | 2024-03-07 | 2026-03-07    |
| 019-000 | RF cable 100cm          | PE360-100  | N/A        | PASTERNAK       | 2023-02-21 | 2025-02-21    |
| 019-002 | 10dB Attenuator + MH4   | N/A        | N/A        | N/A             | 2024-02-21 | 2025-02-21    |
| 094-004 | Temp & Humidity Logger  | RMS-HCD-S  | 24050483   | ROTRONIC        | 2024-09-02 | 2026-09-02    |
| 413-000 | Measurement SW v1.5.4.2 | Octopi     | N/A        | Step AT         | N/A        | N/A           |

Equipment not used outside of its calibration period

N/A: not applicable

Conducted setup for Emissions Masks

| ID#     | Device                  | Type/Model | Serial #   | Manufacturer    | Cal. Date  | Cal. Due Date |
|---------|-------------------------|------------|------------|-----------------|------------|---------------|
| 134-000 | Spectrum Analyzer       | FSV30      | 103308     | Rohde & Schwarz | 2023-07-26 | 2025-07-26    |
| 017-003 | Power supply            | E3640A     | MY40006885 | Agilent         | NA         | NA            |
| 017-002 | Multimeter              | 34401A     | US36065790 | HP              | 2024-03-07 | 2026-03-07    |
| 019-000 | RF cable 100cm          | PE360-100  | N/A        | PASTERNAK       | 2025-02-24 | 2026-02-24    |
| 019-002 | 10dB Attenuator + MH4   | N/A        | N/A        | N/A             | 2025-02-24 | 2026-02-24    |
| 094-004 | Temp & Humidity Logger  | RMS-HCD-S  | 24050483   | ROTRONIC        | 2024-09-02 | 2026-09-02    |
| 413-000 | Measurement SW v1.5.4.2 | Octopi     | N/A        | Step AT         | N/A        | N/A           |

Equipment not used outside of its calibration period

### A.3 Measurement Uncertainty Evaluation

The system uncertainty evaluation is shown in the table below with a coverage factor of  $k = 2$  to indicate a 95% level of confidence:

| Measurement type                      | Uncertainty  | Unit |
|---------------------------------------|--------------|------|
| Timing                                | $\pm 0.12$   | %    |
| Power Spectral density                | $\pm 1.47$   | dB   |
| Frequency stability                   | $\pm 53.0$   | ppm  |
| Occupied bandwidth                    | $\pm 2.07$   | %    |
| Conducted Power                       | $\pm 1.03$   | dB   |
| Temperature                           | $\pm 0.52$   | °C   |
| Supply voltages                       | $< \pm 0.01$ | %    |
| Conducted Spurious Emission <26.5 GHz | $\pm 2.93$   | dB   |
| Contention Based Protocol             | $\pm 1.36$   | dB   |

# Annex B. Test Results

The herein test results were performed by:

| Test case measurement                                 | Test Personnel |
|-------------------------------------------------------|----------------|
| Maximum output power                                  | T. MATHIEU     |
| 26dB and 99% Bandwidth measurement                    | T. MATHIEU     |
| Maximum power spectral density                        | T. MATHIEU     |
| Frequency stability                                   | T. MATHIEU     |
| Undesirable emissions limits: out of band (conducted) | T. MATHIEU     |
| In-Band Emissions Mask                                | T. MATHIEU     |
| Contention-based Protocol                             | T. MATHIEU     |

## B.1 Test Conditions

For 802.11ax/be20 (20 MHz channel bandwidth), 802.11ax/be40 (40MHz channel bandwidth), 802.11ax/be80 (80MHz channel bandwidth), 802.11ax/be160 (160MHz channel bandwidth) and 802.11be320 (320MHz channel bandwidth) modes the EUT can transmit at both CHAIN A and CHAIN B RF outputs individually, and also simultaneously.

The following data rates were selected based on preliminary testing that identified those rates as the worst cases for output power and spurious levels at the band edges:

| Transmission | Mode        | Bandwidth (MHz) | Worst Case Data Rate |
|--------------|-------------|-----------------|----------------------|
| SISO/MIMO    | 802.11ax/be | 20/40/80/160    | MCS0                 |
| SISO/MIMO    | 802.11be    | 320             | MCS0                 |

## B.2 Test Results Tables

### B.2.1 26dB & 99% Bandwidth

#### Test limits

| FCC part           | RSS part              | Limits                                                                                                    |
|--------------------|-----------------------|-----------------------------------------------------------------------------------------------------------|
| 15.407<br>(a) (10) | RSS-248<br>Clause 4.4 | The maximum transmitter channel bandwidth for U-NII devices in the 5.925-7.125 GHz band is 320 megahertz. |

#### Test procedure

The conducted setup shown in section *Test & System Description* was used to measure the 26dB & 99% bandwidth. The antenna terminal of the EUT is connected to the spectrum analyzer through an attenuator, and the spectrum analyzer reading is compensated to include the RF path loss.

**See Annex C.1.1 for the screenshot results<sup>1</sup>**

#### Results tables

According to FCC guidance, the 26 dB bandwidth has been applied for all channels below 320MHz. For 320MHz, the 99% bandwidth has been used.

Max value

Maximum bandwidth value highlighted per mode and channel bandwidth over uninterrupted UNII-5 – 8 bands

<sup>1</sup> Only the worst-case plots per mode and channel bandwidth were reported over uninterrupted UNII-5 – 8 bands

| Band  | Mode & BW[MHz] | Channel | Frequency [MHz] | Rate | RU config. | Antenna | 26dB BW [MHz] | 99% BW [MHz] |
|-------|----------------|---------|-----------------|------|------------|---------|---------------|--------------|
| UNII5 | 802.11ax/be20  | 1       | 5955            | MCS0 | FullBW     | SISO A  | 24.71         | 19.16        |
|       | 802.11ax/be20  | 1       | 5955            | MCS0 | FullBW     | SISO B  | 25.83         | 19.12        |
|       | 802.11ax/be20  | 1       | 5955            | MCS0 | FullBW     | MIMO A  | 25.27         | 19.08        |
|       | 802.11ax/be20  | 1       | 5955            | MCS0 | FullBW     | MIMO B  | 25.48         | 19.16        |
|       | 802.11ax/be20  | 45      | 6175            | MCS0 | FullBW     | SISO A  | 25.55         | 19.16        |
|       | 802.11ax/be20  | 45      | 6175            | MCS0 | FullBW     | SISO B  | 25.62         | 19.12        |
|       | 802.11ax/be20  | 45      | 6175            | MCS0 | FullBW     | MIMO A  | 24.71         | 19.12        |
|       | 802.11ax/be20  | 45      | 6175            | MCS0 | FullBW     | MIMO B  | 25.55         | 19.08        |
|       | 802.11ax/be20  | 93      | 6415            | MCS0 | FullBW     | SISO A  | 25.41         | 19.12        |
|       | 802.11ax/be20  | 93      | 6415            | MCS0 | FullBW     | SISO B  | 25.55         | 19.12        |
|       | 802.11ax/be20  | 93      | 6415            | MCS0 | FullBW     | MIMO A  | 25.69         | 19.08        |
|       | 802.11ax/be20  | 93      | 6415            | MCS0 | FullBW     | MIMO B  | 25.48         | 19.12        |
|       | 802.11ax/be40  | 3       | 5965            | MCS0 | FullBW     | SISO A  | 44.66         | 37.84        |
|       | 802.11ax/be40  | 3       | 5965            | MCS0 | FullBW     | SISO B  | 45.32         | 37.84        |
|       | 802.11ax/be40  | 3       | 5965            | MCS0 | FullBW     | MIMO A  | 43.78         | 37.76        |
|       | 802.11ax/be40  | 3       | 5965            | MCS0 | FullBW     | MIMO B  | 44.22         | 37.84        |
|       | 802.11ax/be40  | 43      | 6165            | MCS0 | FullBW     | SISO A  | 45.32         | 38.08        |
|       | 802.11ax/be40  | 43      | 6165            | MCS0 | FullBW     | SISO B  | 45.87         | 38.00        |
|       | 802.11ax/be40  | 43      | 6165            | MCS0 | FullBW     | MIMO A  | 44.66         | 38.00        |
|       | 802.11ax/be40  | 43      | 6165            | MCS0 | FullBW     | MIMO B  | 45.65         | 37.92        |
|       | 802.11ax/be40  | 91      | 6405            | MCS0 | FullBW     | SISO A  | 44.44         | 37.92        |
|       | 802.11ax/be40  | 91      | 6405            | MCS0 | FullBW     | SISO B  | 45.10         | 37.92        |
|       | 802.11ax/be40  | 91      | 6405            | MCS0 | FullBW     | MIMO A  | 44.33         | 37.84        |
|       | 802.11ax/be40  | 91      | 6405            | MCS0 | FullBW     | MIMO B  | 44.88         | 37.92        |
|       | 802.11ax/be80  | 7       | 5985            | MCS0 | FullBW     | SISO A  | 86.45         | 77.52        |
|       | 802.11ax/be80  | 7       | 5985            | MCS0 | FullBW     | SISO B  | 88.92         | 77.52        |
|       | 802.11ax/be80  | 7       | 5985            | MCS0 | FullBW     | MIMO A  | 85.50         | 77.64        |
|       | 802.11ax/be80  | 7       | 5985            | MCS0 | FullBW     | MIMO B  | 85.88         | 77.76        |
|       | 802.11ax/be80  | 39      | 6145            | MCS0 | FullBW     | SISO A  | 85.69         | 77.52        |
|       | 802.11ax/be80  | 39      | 6145            | MCS0 | FullBW     | SISO B  | 86.83         | 77.64        |
|       | 802.11ax/be80  | 39      | 6145            | MCS0 | FullBW     | MIMO A  | 87.21         | 77.52        |
|       | 802.11ax/be80  | 39      | 6145            | MCS0 | FullBW     | MIMO B  | 84.74         | 77.40        |
|       | 802.11ax/be80  | 87      | 6385            | MCS0 | FullBW     | SISO A  | 86.64         | 77.64        |
|       | 802.11ax/be80  | 87      | 6385            | MCS0 | FullBW     | SISO B  | 86.07         | 77.64        |
|       | 802.11ax/be80  | 87      | 6385            | MCS0 | FullBW     | MIMO A  | 86.26         | 77.52        |
|       | 802.11ax/be80  | 87      | 6385            | MCS0 | FullBW     | MIMO B  | 86.45         | 77.52        |
|       | 802.11ax/be160 | 15      | 6025            | MCS0 | FullBW     | SISO A  | 168.00        | 156.75       |
|       | 802.11ax/be160 | 15      | 6025            | MCS0 | FullBW     | SISO B  | 168.00        | 156.75       |
|       | 802.11ax/be160 | 15      | 6025            | MCS0 | FullBW     | MIMO A  | 166.60        | 157.00       |
|       | 802.11ax/be160 | 15      | 6025            | MCS0 | FullBW     | MIMO B  | 168.35        | 157.00       |
|       | 802.11ax/be160 | 79      | 6345            | MCS0 | FullBW     | SISO A  | 166.80        | 156.75       |
|       | 802.11ax/be160 | 79      | 6345            | MCS0 | FullBW     | SISO B  | 167.60        | 156.75       |
|       | 802.11ax/be160 | 79      | 6345            | MCS0 | FullBW     | MIMO A  | 166.00        | 156.75       |
|       | 802.11ax/be160 | 79      | 6345            | MCS0 | FullBW     | MIMO B  | 169.20        | 157.00       |
|       | 802.11be320    | 31      | 6105            | MCS0 | FullBW     | SISO A  | NA            | 313.60       |
|       | 802.11be320    | 31      | 6105            | MCS0 | FullBW     | SISO B  | NA            | 312.96       |
|       | 802.11be320    | 31      | 6105            | MCS0 | FullBW     | MIMO A  | NA            | 312.32       |
|       | 802.11be320    | 31      | 6105            | MCS0 | FullBW     | MIMO B  | NA            | 312.32       |
|       | 802.11be320    | 95      | 6425            | MCS0 | FullBW     | SISO A  | NA            | 312.32       |
|       | 802.11be320    | 95      | 6425            | MCS0 | FullBW     | SISO B  | NA            | 312.96       |
|       | 802.11be320    | 95      | 6425            | MCS0 | FullBW     | MIMO A  | NA            | 312.32       |
|       | 802.11be320    | 95      | 6425            | MCS0 | FullBW     | MIMO B  | NA            | 312.96       |

| Band  | Mode & BW[MHz] | Channel | Frequency [MHz] | Rate | RU config. | Antenna | 26dB BW [MHz] | 99% BW [MHz] |
|-------|----------------|---------|-----------------|------|------------|---------|---------------|--------------|
| UNII6 | 802.11ax/be20  | 97      | 6435            | MCS0 | FullBW     | SISO A  | 25.20         | 19.04        |
|       | 802.11ax/be20  | 97      | 6435            | MCS0 | FullBW     | SISO B  | 25.13         | 19.12        |
|       | 802.11ax/be20  | 97      | 6435            | MCS0 | FullBW     | MIMO A  | 25.62         | 19.04        |
|       | 802.11ax/be20  | 97      | 6435            | MCS0 | FullBW     | MIMO B  | 24.85         | 19.04        |
|       | 802.11ax/be20  | 105     | 6475            | MCS0 | FullBW     | SISO A  | 24.85         | 19.08        |
|       | 802.11ax/be20  | 105     | 6475            | MCS0 | FullBW     | SISO B  | 25.69         | 19.12        |
|       | 802.11ax/be20  | 105     | 6475            | MCS0 | FullBW     | MIMO A  | 25.90         | 19.12        |
|       | 802.11ax/be20  | 105     | 6475            | MCS0 | FullBW     | MIMO B  | 25.13         | 19.08        |
|       | 802.11ax/be20  | 113     | 6515            | MCS0 | FullBW     | SISO A  | 25.34         | 19.04        |
|       | 802.11ax/be20  | 113     | 6515            | MCS0 | FullBW     | SISO B  | 24.92         | 19.16        |
|       | 802.11ax/be20  | 113     | 6515            | MCS0 | FullBW     | MIMO A  | 25.27         | 19.00        |
|       | 802.11ax/be20  | 113     | 6515            | MCS0 | FullBW     | MIMO B  | 24.92         | 19.12        |
|       | 802.11ax/be40  | 99      | 6445            | MCS0 | FullBW     | SISO A  | 45.32         | 37.84        |
|       | 802.11ax/be40  | 99      | 6445            | MCS0 | FullBW     | SISO B  | 45.32         | 37.92        |
|       | 802.11ax/be40  | 99      | 6445            | MCS0 | FullBW     | MIMO A  | 44.55         | 37.84        |
|       | 802.11ax/be40  | 99      | 6445            | MCS0 | FullBW     | MIMO B  | 44.11         | 38.00        |
|       | 802.11ax/be40  | 107     | 6485            | MCS0 | FullBW     | SISO A  | 45.43         | 38.00        |
|       | 802.11ax/be40  | 107     | 6485            | MCS0 | FullBW     | SISO B  | 45.32         | 37.84        |
|       | 802.11ax/be40  | 107     | 6485            | MCS0 | FullBW     | MIMO A  | 43.56         | 37.84        |
|       | 802.11ax/be40  | 107     | 6485            | MCS0 | FullBW     | MIMO B  | 42.79         | 37.92        |
|       | 802.11ax/be80  | 103     | 6465            | MCS0 | FullBW     | SISO A  | 86.64         | 77.64        |
|       | 802.11ax/be80  | 103     | 6465            | MCS0 | FullBW     | SISO B  | 87.02         | 77.52        |
|       | 802.11ax/be80  | 103     | 6465            | MCS0 | FullBW     | MIMO A  | 85.69         | 77.64        |
|       | 802.11ax/be80  | 103     | 6465            | MCS0 | FullBW     | MIMO B  | 87.59         | 77.52        |
|       | 802.11ax/be80  | 119     | 6545            | MCS0 | FullBW     | SISO A  | 85.31         | 77.52        |
|       | 802.11ax/be80  | 119     | 6545            | MCS0 | FullBW     | SISO B  | 87.02         | 77.64        |
|       | 802.11ax/be80  | 119     | 6545            | MCS0 | FullBW     | MIMO A  | 85.31         | 77.52        |
|       | 802.11ax/be80  | 119     | 6545            | MCS0 | FullBW     | MIMO B  | 86.64         | 77.52        |
|       | 802.11ax/be160 | 111     | 6505            | MCS0 | FullBW     | SISO A  | 166.40        | 156.75       |
|       | 802.11ax/be160 | 111     | 6505            | MCS0 | FullBW     | SISO B  | 167.60        | 157.00       |
|       | 802.11ax/be160 | 111     | 6505            | MCS0 | FullBW     | MIMO A  | 167.60        | 156.75       |
|       | 802.11ax/be160 | 111     | 6505            | MCS0 | FullBW     | MIMO B  | 169.20        | 156.75       |
|       | 802.11be320    | 95      | 6425            | MCS0 | FullBW     | SISO A  | NA            | 312.32       |
|       | 802.11be320    | 95      | 6425            | MCS0 | FullBW     | SISO B  | NA            | 312.96       |
|       | 802.11be320    | 95      | 6425            | MCS0 | FullBW     | MIMO A  | NA            | 312.32       |
|       | 802.11be320    | 95      | 6425            | MCS0 | FullBW     | MIMO B  | NA            | 312.96       |
|       | 802.11be320    | 127     | 6585            | MCS0 | FullBW     | SISO A  | NA            | 312.96       |
|       | 802.11be320    | 127     | 6585            | MCS0 | FullBW     | SISO B  | NA            | 312.32       |
|       | 802.11be320    | 127     | 6585            | MCS0 | FullBW     | MIMO A  | NA            | 312.32       |
|       | 802.11be320    | 127     | 6585            | MCS0 | FullBW     | MIMO B  | NA            | 313.60       |

| Band  | Mode & BW[MHz] | Channel | Frequency [MHz] | Rate | RU config. | Antenna | 26dB BW [MHz] | 99% BW [MHz] |
|-------|----------------|---------|-----------------|------|------------|---------|---------------|--------------|
| UNII7 | 802.11ax/be20  | 117     | 6535            | MCS0 | FullBW     | SISO A  | 26.18         | 19.12        |
|       | 802.11ax/be20  | 117     | 6535            | MCS0 | FullBW     | SISO B  | 25.48         | 19.04        |
|       | 802.11ax/be20  | 117     | 6535            | MCS0 | FullBW     | MIMO A  | 25.34         | 19.12        |
|       | 802.11ax/be20  | 117     | 6535            | MCS0 | FullBW     | MIMO B  | 25.48         | 19.08        |
|       | 802.11ax/be20  | 149     | 6695            | MCS0 | FullBW     | SISO A  | 25.06         | 19.16        |
|       | 802.11ax/be20  | 149     | 6695            | MCS0 | FullBW     | SISO B  | 25.62         | 19.20        |
|       | 802.11ax/be20  | 149     | 6695            | MCS0 | FullBW     | MIMO A  | 25.13         | 19.04        |
|       | 802.11ax/be20  | 149     | 6695            | MCS0 | FullBW     | MIMO B  | 25.48         | 19.08        |
|       | 802.11ax/be20  | 181     | 6855            | MCS0 | FullBW     | SISO A  | 25.34         | 19.08        |
|       | 802.11ax/be20  | 181     | 6855            | MCS0 | FullBW     | SISO B  | 25.48         | 19.16        |
|       | 802.11ax/be20  | 181     | 6855            | MCS0 | FullBW     | MIMO A  | 25.13         | 19.12        |
|       | 802.11ax/be20  | 181     | 6855            | MCS0 | FullBW     | MIMO B  | 25.27         | 19.12        |
|       | 802.11ax/be40  | 123     | 6565            | MCS0 | FullBW     | SISO A  | 45.21         | 37.92        |
|       | 802.11ax/be40  | 123     | 6565            | MCS0 | FullBW     | SISO B  | 45.21         | 37.84        |
|       | 802.11ax/be40  | 123     | 6565            | MCS0 | FullBW     | MIMO A  | 43.56         | 37.92        |
|       | 802.11ax/be40  | 123     | 6565            | MCS0 | FullBW     | MIMO B  | 45.54         | 37.92        |
|       | 802.11ax/be40  | 123     | 6685            | MCS0 | FullBW     | SISO A  | 45.10         | 37.84        |
|       | 802.11ax/be40  | 147     | 6685            | MCS0 | FullBW     | SISO B  | 45.10         | 37.84        |
|       | 802.11ax/be40  | 147     | 6685            | MCS0 | FullBW     | MIMO A  | 44.88         | 37.84        |
|       | 802.11ax/be40  | 147     | 6685            | MCS0 | FullBW     | MIMO B  | 44.22         | 37.84        |
|       | 802.11ax/be40  | 179     | 6845            | MCS0 | FullBW     | SISO A  | 45.21         | 37.92        |
|       | 802.11ax/be40  | 179     | 6845            | MCS0 | FullBW     | SISO B  | 45.10         | 37.92        |
|       | 802.11ax/be40  | 179     | 6845            | MCS0 | FullBW     | MIMO A  | 44.77         | 37.76        |
|       | 802.11ax/be40  | 179     | 6845            | MCS0 | FullBW     | MIMO B  | 44.11         | 38.00        |
|       | 802.11ax/be80  | 135     | 6625            | MCS0 | FullBW     | SISO A  | 86.64         | 77.52        |
|       | 802.11ax/be80  | 135     | 6625            | MCS0 | FullBW     | SISO B  | 87.21         | 77.64        |
|       | 802.11ax/be80  | 135     | 6625            | MCS0 | FullBW     | MIMO A  | 85.69         | 77.52        |
|       | 802.11ax/be80  | 135     | 6625            | MCS0 | FullBW     | MIMO B  | 86.45         | 77.52        |
|       | 802.11ax/be80  | 167     | 6785            | MCS0 | FullBW     | SISO A  | 86.45         | 77.52        |
|       | 802.11ax/be80  | 167     | 6785            | MCS0 | FullBW     | SISO B  | 86.64         | 77.64        |
|       | 802.11ax/be80  | 167     | 6785            | MCS0 | FullBW     | MIMO A  | 85.69         | 77.52        |
|       | 802.11ax/be80  | 167     | 6785            | MCS0 | FullBW     | MIMO B  | 87.21         | 77.40        |
|       | 802.11ax/be160 | 143     | 6665            | MCS0 | FullBW     | SISO A  | 168.00        | 156.66       |
|       | 802.11ax/be160 | 143     | 6665            | MCS0 | FullBW     | SISO B  | 168.00        | 156.87       |
|       | 802.11ax/be160 | 143     | 6665            | MCS0 | FullBW     | MIMO A  | 169.20        | 156.87       |
|       | 802.11ax/be160 | 143     | 6665            | MCS0 | FullBW     | MIMO B  | 168.40        | 156.66       |

| Band  | Mode & BW[MHz] | Channel | Frequency [MHz] | Rate | RU config. | Antenna | 26dB BW [MHz] | 99% BW [MHz] |
|-------|----------------|---------|-----------------|------|------------|---------|---------------|--------------|
| UNII8 | 802.11ax/be20  | 185     | 6875            | MCS0 | FullBW     | SISO A  | 25.27         | 19.12        |
|       | 802.11ax/be20  | 185     | 6875            | MCS0 | FullBW     | SISO B  | 25.69         | 19.08        |
|       | 802.11ax/be20  | 185     | 6875            | MCS0 | FullBW     | MIMO A  | 25.76         | 19.16        |
|       | 802.11ax/be20  | 185     | 6875            | MCS0 | FullBW     | MIMO B  | 24.78         | 19.08        |
|       | 802.11ax/be20  | 209     | 6995            | MCS0 | FullBW     | SISO A  | 24.78         | 19.08        |
|       | 802.11ax/be20  | 209     | 6995            | MCS0 | FullBW     | SISO B  | 24.99         | 19.00        |
|       | 802.11ax/be20  | 209     | 6995            | MCS0 | FullBW     | MIMO A  | 24.92         | 19.12        |
|       | 802.11ax/be20  | 209     | 6995            | MCS0 | FullBW     | MIMO B  | 24.71         | 19.04        |
|       | 802.11ax/be20  | 229     | 7095            | MCS0 | FullBW     | SISO A  | 24.43         | 19.04        |
|       | 802.11ax/be20  | 229     | 7095            | MCS0 | FullBW     | SISO B  | 25.13         | 19.08        |
|       | 802.11ax/be20  | 229     | 7095            | MCS0 | FullBW     | MIMO A  | 24.85         | 19.08        |
|       | 802.11ax/be20  | 229     | 7095            | MCS0 | FullBW     | MIMO B  | 24.71         | 19.16        |
|       | 802.11ax/be20  | 233     | 7115            | MCS0 | FullBW     | SISO A  | 24.78         | 19.12        |
|       | 802.11ax/be20  | 233     | 7115            | MCS0 | FullBW     | SISO B  | 25.34         | 19.04        |
|       | 802.11ax/be20  | 233     | 7115            | MCS0 | FullBW     | MIMO A  | 25.06         | 19.08        |
|       | 802.11ax/be20  | 233     | 7115            | MCS0 | FullBW     | MIMO B  | 25.90         | 19.08        |
|       | 802.11ax/be40  | 187     | 6885            | MCS0 | FullBW     | SISO A  | 45.43         | 37.84        |
|       | 802.11ax/be40  | 187     | 6885            | MCS0 | FullBW     | SISO B  | 45.43         | 38.08        |
|       | 802.11ax/be40  | 187     | 6885            | MCS0 | FullBW     | MIMO A  | 44.11         | 37.84        |
|       | 802.11ax/be40  | 187     | 6885            | MCS0 | FullBW     | MIMO B  | 44.44         | 38.00        |
|       | 802.11ax/be40  | 227     | 7085            | MCS0 | FullBW     | SISO A  | 45.10         | 37.92        |
|       | 802.11ax/be40  | 227     | 7085            | MCS0 | FullBW     | SISO B  | 44.77         | 37.84        |
|       | 802.11ax/be40  | 227     | 7085            | MCS0 | FullBW     | MIMO A  | 43.89         | 37.92        |
|       | 802.11ax/be40  | 227     | 7085            | MCS0 | FullBW     | MIMO B  | 44.11         | 37.92        |
|       | 802.11ax/be80  | 183     | 6865            | MCS0 | FullBW     | SISO A  | 87.40         | 77.52        |
|       | 802.11ax/be80  | 183     | 6865            | MCS0 | FullBW     | SISO B  | 86.83         | 77.52        |
|       | 802.11ax/be80  | 183     | 6865            | MCS0 | FullBW     | MIMO A  | 87.02         | 77.76        |
|       | 802.11ax/be80  | 183     | 6865            | MCS0 | FullBW     | MIMO B  | 85.88         | 77.52        |
|       | 802.11ax/be80  | 199     | 6945            | MCS0 | FullBW     | SISO A  | 86.64         | 77.64        |
|       | 802.11ax/be80  | 199     | 6945            | MCS0 | FullBW     | SISO B  | 86.26         | 77.52        |
|       | 802.11ax/be80  | 199     | 6945            | MCS0 | FullBW     | MIMO A  | 86.07         | 77.52        |
|       | 802.11ax/be80  | 199     | 6945            | MCS0 | FullBW     | MIMO B  | 84.17         | 77.64        |
|       | 802.11ax/be80  | 215     | 7025            | MCS0 | FullBW     | SISO A  | 84.74         | 77.64        |
|       | 802.11ax/be80  | 215     | 7025            | MCS0 | FullBW     | SISO B  | 84.36         | 77.40        |
|       | 802.11ax/be80  | 215     | 7025            | MCS0 | FullBW     | MIMO A  | 87.02         | 77.52        |
|       | 802.11ax/be80  | 215     | 7025            | MCS0 | FullBW     | MIMO B  | 85.69         | 77.52        |
|       | 802.11ax/be160 | 207     | 6985            | MCS0 | FullBW     | SISO A  | 167.20        | 157.00       |
|       | 802.11ax/be160 | 207     | 6985            | MCS0 | FullBW     | SISO B  | 166.80        | 157.00       |
|       | 802.11ax/be160 | 207     | 6985            | MCS0 | FullBW     | MIMO A  | 168.00        | 156.50       |
|       | 802.11ax/be160 | 207     | 6985            | MCS0 | FullBW     | MIMO B  | 167.60        | 156.50       |
|       | 802.11be320    | 191     | 6905            | MCS0 | FullBW     | SISO A  | NA            | 311.68       |
|       | 802.11be320    | 191     | 6905            | MCS0 | FullBW     | SISO B  | NA            | 312.96       |
|       | 802.11be320    | 191     | 6905            | MCS0 | FullBW     | MIMO A  | NA            | 311.68       |
|       | 802.11be320    | 191     | 6905            | MCS0 | FullBW     | MIMO B  | NA            | 312.32       |

NA: Not Applicable

## B.2.2 Maximum Output power & Maximum power spectral Density

### Test limits

| FCC part                                         | RSS part                | Limits                                                                                                                                                                                                                                                              |
|--------------------------------------------------|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 15.407<br>(a) (9)<br>amended<br>by FCC<br>24-125 | -                       | For very low power devices operating in the 5.925-7.125 GHz band : <ul style="list-style-type: none"> <li>the maximum power spectral density must not exceed -5 dBm e.i.r.p in any 1-megahertz band</li> <li>the maximum e.i.r.p must not exceed 14 dBm.</li> </ul> |
| -                                                | RSS-248<br>Clause 4.2   | The following frequency bands of operation shall apply to RLAN devices: <ul style="list-style-type: none"> <li>5925-7125 MHz for very low-power devices</li> </ul>                                                                                                  |
| -                                                | RSS-248<br>Clause 4.5.6 | Both of the following limits shall apply to very low-power devices: <ul style="list-style-type: none"> <li>a. the maximum e.i.r.p. spectral density shall not exceed -5 dBm/MHz</li> <li>b. the maximum e.i.r.p. shall not exceed 14 dBm</li> </ul>                 |

### Test procedure

The Maximum Conducted Output Power was measured using the channel integration method over the entire 99% occupied bandwidth according to section E) 2) d) (Method SA-2) of KDB 789033

The maximum power spectral density (PSD) was measured using the method according to section F) (Method SA-2) of KDB 789033

In the *measure-and-sum* approach for MIMO mode, the conducted emission level (e.g., transmit power or power in specified bandwidth) is measured at each antenna port. The measured results at the various antenna ports are then summed mathematically in linear power units to determine the total emission level from the device. When MIMO mode is running each single antenna conducted output power is reduced by 3dBi such that MIMO mode does not exceed the output of a single chain in SISO mode.  $SISO\ A\ pwr = SISO\ B\ pwr = MIMO\ pwr\ (1/2\ A\ pwr + 1/2\ B\ pwr)$ .

The EIRP power (dBm) is calculated by adding the declared maximum antenna gain (+5.02dBi) to the measured conducted power in accordance with KDB 662911 D01 v02r01. All transmit signals are completely uncorrelated with each other. Therefore, Directional gain = GANT = +5.02 dBi.

Per KDB 662911 D01 v02r01: MIMO Spacial diversity applies as completely uncorrelated, neither beamforming, whether fixed or adaptative, nor Cyclic Delay Diversity (CDD) technique are used. For further details, refer to 'MIMO Theory of Operation' document.

The conducted setup shown in section *Test & System Description* was used to measure the maximum conducted output power and power spectral density. The antenna terminal of the EUT is connected to the spectrum analyser through an attenuator, and the spectrum analyzer reading is compensated to include the RF path loss.

**See Annex C.1.2 for the screenshot results.**

## Results tables

### Duty cycle

| Mode           | Rate | Antenna | Duty Cycle [%] |
|----------------|------|---------|----------------|
| 802.11ax/be20  | MCS0 | SISO A  | 98.8           |
|                |      | SISO B  | 98.8           |
|                |      | MIMO A  | 99.7           |
|                |      | MIMO B  | 99.7           |
| 802.11ax/be40  | MCS0 | SISO A  | 98.8           |
|                |      | SISO B  | 98.8           |
|                |      | MIMO A  | 99.8           |
|                |      | MIMO B  | 99.8           |
| 802.11ax/be80  | MCS0 | SISO A  | 98.8           |
|                |      | SISO B  | 98.8           |
|                |      | MIMO A  | 98.8           |
|                |      | MIMO B  | 98.8           |
| 802.11ax/be160 | MCS0 | SISO A  | 98.8           |
|                |      | SISO B  | 98.8           |
|                |      | MIMO A  | 98.0           |
|                |      | MIMO B  | 98.0           |
| 802.11be320    | MCS0 | SISO A  | 98.8           |
|                |      | SISO B  | 98.8           |
|                |      | MIMO A  | 98.8           |
|                |      | MIMO B  | 98.8           |

Maximum output power

UNII5

| UNII  | Mode        | BW<br>[MHz<br>] | Rate | Ch#          | Freq<br>[MHz] | RU<br>config | Chain        | Ouput<br>Power<br>[dBm] | Max <sup>(1)</sup><br>Ouput<br>Power<br>[dBm] | Antenn<br>a Gain<br>(dBi) | Max <sup>(1)</sup><br>EIRP<br>[dBm] | Max <sup>(1)</sup><br>Outpu<br>t<br>Power<br>[mW] | Max <sup>(1)</sup> .<br>EIRP<br>[mW] |
|-------|-------------|-----------------|------|--------------|---------------|--------------|--------------|-------------------------|-----------------------------------------------|---------------------------|-------------------------------------|---------------------------------------------------|--------------------------------------|
| UNII5 | 802.11ax/be | 20              | MCS0 | 1            | 5955          | Full BW      | SISO A       | 1.65                    | 1.65                                          | 5.02                      | 6.67                                | 1.46                                              | 4.65                                 |
|       |             |                 |      |              |               |              | SISO B       | 1.35                    | 1.35                                          |                           | 6.37                                | 1.36                                              | 4.34                                 |
|       |             |                 |      |              |               |              | MIMO A       | -1.45                   | -1.45                                         |                           | 3.57                                | 0.72                                              | 2.28                                 |
|       |             |                 |      |              |               |              | MIMO B       | -1.58                   | -1.58                                         |                           | 3.44                                | 0.70                                              | 2.21                                 |
|       |             |                 |      |              |               |              | Combined A+B | 1.50                    | 1.50                                          |                           | 6.52                                | 1.41                                              | 4.48                                 |
|       |             |                 |      | SISO A       | 1.71          |              | 1.71         | 6.73                    | 1.48                                          |                           | 4.71                                |                                                   |                                      |
|       |             |                 |      | SISO B       | 1.37          |              | 1.37         | 6.39                    | 1.37                                          |                           | 4.36                                |                                                   |                                      |
|       |             |                 |      | MIMO A       | -1.35         |              | -1.35        | 3.67                    | 0.73                                          |                           | 2.33                                |                                                   |                                      |
|       |             |                 |      | MIMO B       | -1.35         |              | -1.35        | 3.67                    | 0.73                                          |                           | 2.33                                |                                                   |                                      |
|       |             |                 |      | Combined A+B | 1.66          |              | 1.66         | 6.68                    | 1.47                                          |                           | 4.66                                |                                                   |                                      |
|       |             |                 |      | SISO A       | 1.50          |              | 1.50         | 6.52                    | 1.41                                          |                           | 4.49                                |                                                   |                                      |
|       |             |                 |      | SISO B       | 1.65          |              | 1.65         | 6.67                    | 1.46                                          |                           | 4.65                                |                                                   |                                      |
|       |             |                 |      | MIMO A       | -1.35         |              | -1.35        | 3.67                    | 0.73                                          |                           | 2.33                                |                                                   |                                      |
|       |             |                 |      | MIMO B       | -1.45         |              | -1.45        | 3.57                    | 0.72                                          |                           | 2.28                                |                                                   |                                      |
|       |             |                 |      | Combined A+B | 1.61          |              | 1.61         | 6.63                    | 1.45                                          |                           | 4.60                                |                                                   |                                      |
|       | 802.11ax/be | 40              | MCS0 | 3            | 5965          | Full BW      | SISO A       | 4.54                    | 4.54                                          | 9.56                      | 2.84                                | 9.04                                              |                                      |
|       |             |                 |      |              |               |              | SISO B       | 4.61                    | 4.61                                          | 9.63                      | 2.89                                | 9.18                                              |                                      |
|       |             |                 |      |              |               |              | MIMO A       | 1.72                    | 1.72                                          | 6.74                      | 1.49                                | 4.72                                              |                                      |
|       |             |                 |      |              |               |              | MIMO B       | 1.82                    | 1.82                                          | 6.84                      | 1.52                                | 4.83                                              |                                      |
|       |             |                 |      |              |               |              | Combined A+B | 4.78                    | 4.78                                          | 9.80                      | 3.01                                | 9.55                                              |                                      |
|       |             |                 |      | SISO A       | 4.55          |              | 4.55         | 9.57                    | 2.85                                          | 9.06                      |                                     |                                                   |                                      |
|       |             |                 |      | SISO B       | 4.70          |              | 4.70         | 9.72                    | 2.95                                          | 9.38                      |                                     |                                                   |                                      |
|       |             |                 |      | MIMO A       | 1.48          |              | 1.48         | 6.50                    | 1.41                                          | 4.47                      |                                     |                                                   |                                      |
|       |             |                 |      | MIMO B       | 1.62          |              | 1.62         | 6.64                    | 1.45                                          | 4.61                      |                                     |                                                   |                                      |
|       |             |                 |      | Combined A+B | 4.56          |              | 4.56         | 9.58                    | 2.86                                          | 9.08                      |                                     |                                                   |                                      |
|       |             |                 |      | SISO A       | 4.58          |              | 4.58         | 9.60                    | 2.87                                          | 9.12                      |                                     |                                                   |                                      |
|       |             |                 |      | SISO B       | 4.69          |              | 4.69         | 9.71                    | 2.94                                          | 9.35                      |                                     |                                                   |                                      |
|       |             |                 |      | MIMO A       | 1.69          |              | 1.69         | 6.71                    | 1.48                                          | 4.69                      |                                     |                                                   |                                      |
|       |             |                 |      | MIMO B       | 1.64          |              | 1.64         | 6.66                    | 1.46                                          | 4.63                      |                                     |                                                   |                                      |
|       |             |                 |      | Combined A+B | 4.68          |              | 4.68         | 9.70                    | 2.93                                          | 9.32                      |                                     |                                                   |                                      |
|       | 802.11ax/be | 80              | MCS0 | 7            | 5985          | Full BW      | SISO A       | 7.76                    | 7.76                                          | 12.78                     | 5.97                                | 18.97                                             |                                      |
|       |             |                 |      |              |               |              | SISO B       | 7.50                    | 7.50                                          | 12.52                     | 5.62                                | 17.86                                             |                                      |
|       |             |                 |      |              |               |              | MIMO A       | 4.72                    | 4.72                                          | 9.74                      | 2.96                                | 9.42                                              |                                      |
|       |             |                 |      |              |               |              | MIMO B       | 4.51                    | 4.51                                          | 9.53                      | 2.82                                | 8.97                                              |                                      |
|       |             |                 |      |              |               |              | Combined A+B | 7.63                    | 7.63                                          | 12.65                     | 5.79                                | 18.39                                             |                                      |
|       |             |                 |      | SISO A       | 7.67          |              | 7.67         | 12.69                   | 5.85                                          | 18.58                     |                                     |                                                   |                                      |
|       |             |                 |      | SISO B       | 7.75          |              | 7.75         | 12.77                   | 5.96                                          | 18.92                     |                                     |                                                   |                                      |
|       |             |                 |      | MIMO A       | 4.43          |              | 4.43         | 9.45                    | 2.77                                          | 8.81                      |                                     |                                                   |                                      |
|       |             |                 |      | MIMO B       | 4.64          |              | 4.64         | 9.66                    | 2.91                                          | 9.25                      |                                     |                                                   |                                      |
|       |             |                 |      | Combined A+B | 7.55          |              | 7.55         | 12.57                   | 5.68                                          | 18.06                     |                                     |                                                   |                                      |
|       |             |                 |      | SISO A       | 7.12          |              | 7.12         | 12.14                   | 5.15                                          | 16.37                     |                                     |                                                   |                                      |
|       |             |                 |      | SISO B       | 7.51          |              | 7.51         | 12.53                   | 5.64                                          | 17.91                     |                                     |                                                   |                                      |
|       |             |                 |      | MIMO A       | 4.69          |              | 4.69         | 9.71                    | 2.94                                          | 9.35                      |                                     |                                                   |                                      |
|       |             |                 |      | MIMO B       | 4.81          |              | 4.81         | 9.83                    | 3.03                                          | 9.62                      |                                     |                                                   |                                      |
|       |             |                 |      | Combined A+B | 7.76          |              | 7.76         | 12.78                   | 5.97                                          | 18.97                     |                                     |                                                   |                                      |

| UNII | Mode        | BW<br>[MHz<br>] | Rate | Ch# | Freq<br>[MHz] | RU<br>config | Chain        | Ouput<br>Power<br>[dBm] | Max <sup>(1)</sup><br>Ouput<br>Power<br>[dBm] | Antenn<br>a Gain<br>(dBi) | Max <sup>(1)</sup><br>EIRP<br>[dBm] | Max <sup>(1)</sup><br>Outpu<br>t<br>Power<br>[mW] | Max <sup>(1)</sup><br>EIRP<br>[mW] |
|------|-------------|-----------------|------|-----|---------------|--------------|--------------|-------------------------|-----------------------------------------------|---------------------------|-------------------------------------|---------------------------------------------------|------------------------------------|
|      | 802.11ax/be | 160             | MCS0 | 15  | 6025          | Full BW      | SISO A       | 8.72                    | 8.72                                          |                           | 13.74                               | 7.45                                              | 23.66                              |
|      |             |                 |      |     |               |              | SISO B       | 8.81                    | 8.81                                          |                           | 13.83                               | 7.60                                              | 24.15                              |
|      |             |                 |      |     |               |              | MIMO A       | 5.77                    | 5.77                                          |                           | 10.79                               | 3.78                                              | 11.99                              |
|      |             |                 |      |     |               |              | MIMO B       | 5.80                    | 5.80                                          |                           | 10.82                               | 3.80                                              | 12.08                              |
|      |             |                 |      |     |               |              | Combined A+B | 8.80                    | 8.80                                          |                           | 13.82                               | 7.58                                              | 24.07                              |
|      |             |                 |      | 79  | 6345          |              | SISO A       | 8.85                    | 8.85                                          |                           | 13.87                               | 7.67                                              | 24.38                              |
|      |             |                 |      |     |               |              | SISO B       | 8.91                    | 8.91                                          |                           | 13.93                               | 7.78                                              | 24.72                              |
|      |             |                 |      |     |               |              | MIMO A       | 5.83                    | 5.83                                          |                           | 10.85                               | 3.83                                              | 12.16                              |
|      |             |                 |      |     |               |              | MIMO B       | 5.80                    | 5.80                                          |                           | 10.82                               | 3.80                                              | 12.08                              |
|      |             |                 |      |     |               |              | Combined A+B | 8.83                    | 8.83                                          |                           | 13.85                               | 7.63                                              | 24.24                              |
|      | 802.11be    | 320             | MCS0 | 31  | 6105          | Full BW      | SISO A       | 8.92                    | 8.92                                          |                           | 13.94                               | 7.80                                              | 24.77                              |
|      |             |                 |      |     |               |              | SISO B       | 8.90                    | 8.90                                          |                           | 13.92                               | 7.76                                              | 24.66                              |
|      |             |                 |      |     |               |              | MIMO A       | 5.84                    | 5.84                                          |                           | 10.86                               | 3.84                                              | 12.19                              |
|      |             |                 |      |     |               |              | MIMO B       | 5.71                    | 5.71                                          |                           | 10.73                               | 3.72                                              | 11.83                              |
|      |             |                 |      |     |               |              | Combined A+B | 8.79                    | 8.79                                          |                           | 13.81                               | 7.56                                              | 24.02                              |
|      |             |                 |      | 63  | 6265          |              | SISO A       | 8.93                    | 8.93                                          |                           | 13.95                               | 7.82                                              | 24.83                              |
|      |             |                 |      |     |               |              | SISO B       | 8.89                    | 8.89                                          |                           | 13.91                               | 7.74                                              | 24.60                              |
|      |             |                 |      |     |               |              | MIMO A       | 5.89                    | 5.89                                          |                           | 10.91                               | 3.88                                              | 12.33                              |
|      |             |                 |      |     |               |              | MIMO B       | 5.89                    | 5.89                                          |                           | 10.91                               | 3.88                                              | 12.33                              |
|      |             |                 |      |     |               |              | Combined A+B | 8.90                    | 8.90                                          |                           | 13.92                               | 7.76                                              | 24.66                              |

(1) Value compensated with the duty cycle

(2) Max/Min value highlighted per bandwidth

**UNII6**

| UNII  | Mode        | BW [MHz] | Rate | Ch#          | Freq [MHz] | RU config | Chain        | Ouput Power [dBm] | Max <sup>(1)</sup> Ouput Power [dBm] | Antenn a Gain (dBi) | Max <sup>(1)</sup> EIRP [dBm] | Max <sup>(1)</sup> Output Power [mW] | Max <sup>(1)</sup> EIRP [mW] |
|-------|-------------|----------|------|--------------|------------|-----------|--------------|-------------------|--------------------------------------|---------------------|-------------------------------|--------------------------------------|------------------------------|
| UNII6 | 802.11ax/be | 20       | MCS0 | 97           | 6435       | Full BW   | SISO A       | 1.65              | 1.65                                 | 5.02                | 6.67                          | 1.46                                 | 4.65                         |
|       |             |          |      |              |            |           | SISO B       | 1.71              | 1.71                                 |                     | 6.73                          | 1.48                                 | 4.71                         |
|       |             |          |      |              |            |           | MIMO A       | -1.39             | -1.39                                |                     | 3.63                          | 0.73                                 | 2.31                         |
|       |             |          |      |              |            |           | MIMO B       | -1.40             | -1.40                                |                     | 3.62                          | 0.72                                 | 2.30                         |
|       |             |          |      |              |            |           | Combined A+B | 1.62              | 1.62                                 |                     | 6.64                          | 1.45                                 | 4.61                         |
|       |             |          |      | SISO A       | 1.51       |           | 1.51         | 6.53              | 1.42                                 |                     | 4.50                          |                                      |                              |
|       |             |          |      | SISO B       | 1.44       |           | 1.44         | 6.46              | 1.39                                 |                     | 4.43                          |                                      |                              |
|       |             |          |      | MIMO A       | -1.51      |           | -1.51        | 3.51              | 0.71                                 |                     | 2.24                          |                                      |                              |
|       |             |          |      | MIMO B       | -1.64      |           | -1.64        | 3.38              | 0.69                                 |                     | 2.18                          |                                      |                              |
|       |             |          |      | Combined A+B | 1.44       |           | 1.44         | 6.46              | 1.39                                 |                     | 4.42                          |                                      |                              |
|       |             |          |      | SISO A       | 1.44       |           | 1.44         | 6.46              | 1.39                                 |                     | 4.43                          |                                      |                              |
|       |             |          |      | SISO B       | 1.52       |           | 1.52         | 6.54              | 1.42                                 |                     | 4.51                          |                                      |                              |
|       |             |          |      | MIMO A       | -1.46      |           | -1.46        | 3.56              | 0.71                                 |                     | 2.27                          |                                      |                              |
|       |             |          |      | MIMO B       | -1.46      |           | -1.46        | 3.56              | 0.71                                 |                     | 2.27                          |                                      |                              |
|       |             |          |      | Combined A+B | 1.55       |           | 1.55         | 6.57              | 1.43                                 |                     | 4.54                          |                                      |                              |
|       | 802.11ax/be | 40       | MCS0 | 99           | 6445       | Full BW   | SISO A       | 4.81              | 4.81                                 | 9.83                | 3.03                          | 9.62                                 |                              |
|       |             |          |      |              |            |           | SISO B       | 4.27              | 4.27                                 | 9.29                | 2.67                          | 8.49                                 |                              |
|       |             |          |      |              |            |           | MIMO A       | 1.67              | 1.67                                 | 6.69                | 1.47                          | 4.67                                 |                              |
|       |             |          |      |              |            |           | MIMO B       | 1.64              | 1.64                                 | 6.66                | 1.46                          | 4.63                                 |                              |
|       |             |          |      |              |            |           | Combined A+B | 4.67              | 4.67                                 | 9.69                | 2.93                          | 9.30                                 |                              |
|       |             |          |      | SISO A       | 4.67       |           | 4.67         | 9.69              | 2.93                                 | 9.31                |                               |                                      |                              |
|       |             |          |      | SISO B       | 4.61       |           | 4.61         | 9.63              | 2.89                                 | 9.18                |                               |                                      |                              |
|       |             |          |      | MIMO A       | 1.62       |           | 1.62         | 6.64              | 1.45                                 | 4.61                |                               |                                      |                              |
|       |             |          |      | MIMO B       | 1.57       |           | 1.57         | 6.59              | 1.44                                 | 4.56                |                               |                                      |                              |
|       |             |          |      | Combined A+B | 4.61       |           | 4.61         | 9.63              | 2.89                                 | 9.17                |                               |                                      |                              |
|       | 802.11ax/be | 80       | MCS0 | 103          | 6465       | Full BW   | SISO A       | 7.81              | 7.81                                 | 12.83               | 6.04                          | 19.19                                |                              |
|       |             |          |      |              |            |           | SISO B       | 7.59              | 7.59                                 | 12.61               | 5.74                          | 18.24                                |                              |
|       |             |          |      |              |            |           | MIMO A       | 4.88              | 4.88                                 | 9.90                | 3.08                          | 9.77                                 |                              |
|       |             |          |      |              |            |           | MIMO B       | 4.70              | 4.70                                 | 9.72                | 2.95                          | 9.38                                 |                              |
|       |             |          |      |              |            |           | Combined A+B | 7.80              | 7.80                                 | 12.82               | 6.03                          | 19.15                                |                              |
|       |             |          |      | SISO A       | 7.69       | 7.69      | 12.71        | 5.87              | 18.66                                |                     |                               |                                      |                              |
|       |             |          |      | SISO B       | 7.69       | 7.69      | 12.71        | 5.87              | 18.66                                |                     |                               |                                      |                              |
|       |             |          |      | MIMO A       | 4.68       | 4.68      | 9.70         | 2.94              | 9.33                                 |                     |                               |                                      |                              |
|       |             |          |      | MIMO B       | 4.79       | 4.79      | 9.81         | 3.01              | 9.57                                 |                     |                               |                                      |                              |
|       |             |          |      | Combined A+B | 7.75       | 7.75      | 12.77        | 5.95              | 18.90                                |                     |                               |                                      |                              |
|       | 802.11ax/be | 160      | MCS0 | 111          | 6505       | Full BW   | SISO A       | 8.80              | 8.80                                 | 13.82               | 7.59                          | 24.10                                |                              |
|       |             |          |      |              |            |           | SISO B       | 8.88              | 8.88                                 | 13.90               | 7.73                          | 24.55                                |                              |
|       |             |          |      |              |            |           | MIMO A       | 5.65              | 5.65                                 | 10.67               | 3.67                          | 11.67                                |                              |
|       |             |          |      |              |            |           | MIMO B       | 5.61              | 5.61                                 | 10.63               | 3.64                          | 11.56                                |                              |
|       |             |          |      |              |            |           | Combined A+B | 8.64              | 8.64                                 | 13.66               | 7.31                          | 23.23                                |                              |

| UNI | Mode     | BW [MHz] | Rate | Ch# | Freq [MHz] | RU config | Chain        | Ouput Power [dBm] | Max <sup>(1)</sup> Ouput Power [dBm] | Antenn a Gain (dBi) | Max <sup>(1)</sup> EIRP [dBm] | Max <sup>(1)</sup> Output Power [mW] | Max <sup>(1)</sup> EIRP [mW] |
|-----|----------|----------|------|-----|------------|-----------|--------------|-------------------|--------------------------------------|---------------------|-------------------------------|--------------------------------------|------------------------------|
|     | 802.11be | 320      | MCS0 | 95  | 6425       | Full BW   | SISO A       | 8.93              | 8.93                                 | 5.02                | 13.95                         | 7.82                                 | 24.83                        |
|     |          |          |      |     |            |           | SISO B       | 8.83              | 8.83                                 |                     | 13.85                         | 7.64                                 | 24.27                        |
|     |          |          |      |     |            |           | MIMO A       | 5.84              | 5.84                                 |                     | 10.86                         | 3.84                                 | 12.19                        |
|     |          |          |      |     |            |           | MIMO B       | 5.87              | 5.87                                 |                     | 10.89                         | 3.86                                 | 12.27                        |
|     |          |          |      |     |            |           | Combined A+B | 8.87              | 8.87                                 |                     | 13.89                         | 7.70                                 | 24.46                        |
|     |          |          |      | 127 | 6585       | Full BW   | SISO A       | 8.85              | 8.85                                 |                     | 13.87                         | 7.67                                 | 24.38                        |
|     |          |          |      |     |            |           | SISO B       | 8.77              | 8.77                                 |                     | 13.79                         | 7.53                                 | 23.93                        |
|     |          |          |      |     |            |           | MIMO A       | 5.81              | 5.81                                 |                     | 10.83                         | 3.81                                 | 12.11                        |
|     |          |          |      |     |            |           | MIMO B       | 5.76              | 5.76                                 |                     | 10.78                         | 3.77                                 | 11.97                        |
|     |          |          |      |     |            |           | Combined A+B | 8.80              | 8.80                                 |                     | 13.82                         | 7.58                                 | 24.07                        |

<sup>(1)</sup> Value compensated with the duty cycle

<sup>(2)</sup> Max/Min value highlighted per bandwidth

# UNII7

| UNII  | Mode        | BW<br>[MHz] | Rate | Ch#          | Freq<br>[MHz] | RU<br>config | Chain        | Output<br>Power<br>[dBm] | Max <sup>(1)</sup><br>Output<br>Power<br>[dBm] | Antenn<br>a Gain<br>(dBi) | Max <sup>(1)</sup><br>EIRP<br>[dBm] | Max <sup>(1)</sup><br>Output<br>Power<br>[mW] | Max <sup>(1)</sup><br>EIRP<br>[mW] |
|-------|-------------|-------------|------|--------------|---------------|--------------|--------------|--------------------------|------------------------------------------------|---------------------------|-------------------------------------|-----------------------------------------------|------------------------------------|
| UNII7 | 802.11ax/be | 20          | MCS0 | 117          | 6535          | Full BW      | SISO A       | 1.56                     | 1.56                                           | 5.02                      | 6.58                                | 1.43                                          | 4.55                               |
|       |             |             |      |              |               |              | SISO B       | 1.47                     | 1.47                                           |                           | 6.49                                | 1.40                                          | 4.46                               |
|       |             |             |      |              |               |              | MIMO A       | -1.49                    | -1.49                                          |                           | 3.53                                | 0.71                                          | 2.25                               |
|       |             |             |      |              |               |              | MIMO B       | -1.59                    | -1.59                                          |                           | 3.43                                | 0.69                                          | 2.20                               |
|       |             |             |      |              |               |              | Combined A+B | 1.47                     | 1.47                                           |                           | 6.49                                | 1.40                                          | 4.46                               |
|       |             |             |      | SISO A       | 1.69          |              | 1.69         | 6.71                     | 1.48                                           |                           | 4.69                                |                                               |                                    |
|       |             |             |      | SISO B       | 1.42          |              | 1.42         | 6.44                     | 1.39                                           |                           | 4.41                                |                                               |                                    |
|       |             |             |      | MIMO A       | -1.55         |              | -1.55        | 3.47                     | 0.70                                           |                           | 2.22                                |                                               |                                    |
|       |             |             |      | MIMO B       | -1.50         |              | -1.50        | 3.52                     | 0.71                                           |                           | 2.25                                |                                               |                                    |
|       |             |             |      | Combined A+B | 1.49          |              | 1.49         | 6.51                     | 1.41                                           |                           | 4.47                                |                                               |                                    |
|       |             |             |      | SISO A       | 1.67          |              | 1.67         | 6.69                     | 1.47                                           |                           | 4.67                                |                                               |                                    |
|       |             |             |      | SISO B       | 1.56          |              | 1.56         | 6.58                     | 1.43                                           |                           | 4.55                                |                                               |                                    |
|       |             |             |      | MIMO A       | -1.44         |              | -1.44        | 3.58                     | 0.72                                           |                           | 2.28                                |                                               |                                    |
|       |             |             |      | MIMO B       | -1.46         |              | -1.46        | 3.56                     | 0.71                                           |                           | 2.27                                |                                               |                                    |
|       |             |             |      | Combined A+B | 1.56          |              | 1.56         | 6.58                     | 1.43                                           |                           | 4.55                                |                                               |                                    |
|       |             | 40          | MCS0 | 123          | 6565          | Full BW      | SISO A       | 4.70                     | 4.70                                           |                           | 9.72                                | 2.95                                          | 9.38                               |
|       |             |             |      |              |               |              | SISO B       | 4.63                     | 4.63                                           |                           | 9.65                                | 2.90                                          | 9.23                               |
|       |             |             |      |              |               |              | MIMO A       | 1.64                     | 1.64                                           |                           | 6.66                                | 1.46                                          | 4.63                               |
|       |             |             |      |              |               |              | MIMO B       | 1.56                     | 1.56                                           |                           | 6.58                                | 1.43                                          | 4.55                               |
|       |             |             |      |              |               |              | Combined A+B | 4.61                     | 4.61                                           |                           | 9.63                                | 2.89                                          | 9.18                               |
|       |             |             |      | SISO A       | 4.68          |              | 4.68         | 9.70                     | 2.94                                           |                           | 9.33                                |                                               |                                    |
|       |             |             |      | SISO B       | 4.68          |              | 4.68         | 9.70                     | 2.94                                           |                           | 9.33                                |                                               |                                    |
|       |             |             |      | MIMO A       | 1.64          |              | 1.64         | 6.66                     | 1.46                                           |                           | 4.63                                |                                               |                                    |
|       |             |             |      | MIMO B       | 1.43          |              | 1.43         | 6.45                     | 1.39                                           |                           | 4.42                                |                                               |                                    |
|       |             |             |      | Combined A+B | 4.55          |              | 4.55         | 9.57                     | 2.85                                           |                           | 9.05                                |                                               |                                    |
|       |             |             |      | SISO A       | 4.61          |              | 4.61         | 9.63                     | 2.89                                           |                           | 9.18                                |                                               |                                    |
|       |             |             |      | SISO B       | 4.30          |              | 4.30         | 9.32                     | 2.69                                           |                           | 8.55                                |                                               |                                    |
|       |             |             |      | MIMO A       | 1.70          |              | 1.70         | 6.72                     | 1.48                                           |                           | 4.70                                |                                               |                                    |
|       |             |             |      | MIMO B       | 1.62          |              | 1.62         | 6.64                     | 1.45                                           |                           | 4.61                                |                                               |                                    |
|       |             |             |      | Combined A+B | 4.67          |              | 4.67         | 9.69                     | 2.93                                           |                           | 9.31                                |                                               |                                    |
|       |             | 80          | MCS0 | 135          | 6625          | Full BW      | SISO A       | 7.76                     | 7.76                                           |                           | 12.78                               | 5.97                                          | 18.97                              |
|       |             |             |      |              |               |              | SISO B       | 7.63                     | 7.63                                           |                           | 12.65                               | 5.79                                          | 18.41                              |
|       |             |             |      |              |               |              | MIMO A       | 4.44                     | 4.44                                           |                           | 9.46                                | 2.78                                          | 8.83                               |
|       |             |             |      |              |               |              | MIMO B       | 4.52                     | 4.52                                           |                           | 9.54                                | 2.83                                          | 8.99                               |
|       |             |             |      |              |               |              | Combined A+B | 7.49                     | 7.49                                           |                           | 12.51                               | 5.61                                          | 17.83                              |
|       |             |             |      | SISO A       | 7.88          |              | 7.88         | 12.90                    | 6.14                                           |                           | 19.50                               |                                               |                                    |
|       |             |             |      | SISO B       | 7.61          |              | 7.61         | 12.63                    | 5.77                                           |                           | 18.32                               |                                               |                                    |
|       |             |             |      | MIMO A       | 4.56          |              | 4.56         | 9.58                     | 2.86                                           |                           | 9.08                                |                                               |                                    |
|       |             |             |      | MIMO B       | 4.55          |              | 4.55         | 9.57                     | 2.85                                           |                           | 9.06                                |                                               |                                    |
|       |             |             |      | Combined A+B | 7.57          |              | 7.57         | 12.59                    | 5.71                                           |                           | 18.14                               |                                               |                                    |
|       |             | 160         | MCS0 | 143          | 6665          | Full BW      | SISO A       | 8.83                     | 8.83                                           |                           | 13.85                               | 7.64                                          | 24.27                              |
|       |             |             |      |              |               |              | SISO B       | 8.80                     | 8.80                                           |                           | 13.82                               | 7.59                                          | 24.10                              |
|       |             |             |      |              |               |              | MIMO A       | 5.70                     | 5.70                                           |                           | 10.72                               | 3.72                                          | 11.80                              |
|       |             |             |      |              |               |              | MIMO B       | 5.89                     | 5.89                                           |                           | 10.91                               | 3.88                                          | 12.33                              |
|       |             |             |      |              |               |              | Combined A+B | 8.81                     | 8.81                                           |                           | 13.83                               | 7.60                                          | 24.13                              |

<sup>(1)</sup> Value compensated with the duty cycle  
Max/Min value highlighted per bandwidth

# UNI18

| UNII  | Mode        | BW [MHz] | Rate | Ch#          | Freq [MHz] | RU config | Chain        | Ouput Power [dBm] | Max <sup>(1)</sup> Ouput Power [dBm] | Antenn a Gain (dBi) | Max <sup>(1)</sup> EIRP [dBm] | Max <sup>(1)</sup> Output Power [mW] | Max <sup>(1)</sup> EIRP [mW] |
|-------|-------------|----------|------|--------------|------------|-----------|--------------|-------------------|--------------------------------------|---------------------|-------------------------------|--------------------------------------|------------------------------|
| UNII8 | 802.11ax/be | 20       | MCS0 | 185          | 6875       | Full BW   | SISO A       | 1.67              | 1.67                                 | 5.02                | 6.69                          | 1.47                                 | 4.67                         |
|       |             |          |      |              |            |           | SISO B       | 1.52              | 1.52                                 |                     | 6.54                          | 1.42                                 | 4.51                         |
|       |             |          |      |              |            |           | MIMO A       | -1.55             | -1.55                                |                     | 3.47                          | 0.70                                 | 2.22                         |
|       |             |          |      |              |            |           | MIMO B       | -1.48             | -1.48                                |                     | 3.54                          | 0.71                                 | 2.26                         |
|       |             |          |      |              |            |           | Combined A+B | 1.50              | 1.50                                 |                     | 6.52                          | 1.41                                 | 4.48                         |
|       |             |          |      | SISO A       | 1.84       |           | 1.84         | 6.86              | 1.53                                 |                     | 4.85                          |                                      |                              |
|       |             |          |      | SISO B       | 1.68       |           | 1.68         | 6.70              | 1.47                                 |                     | 4.68                          |                                      |                              |
|       |             |          |      | MIMO A       | -1.25      |           | -1.25        | 3.77              | 0.75                                 |                     | 2.38                          |                                      |                              |
|       |             |          |      | MIMO B       | -1.20      |           | -1.20        | 3.82              | 0.76                                 |                     | 2.41                          |                                      |                              |
|       |             |          |      | Combined A+B | 1.79       |           | 1.79         | 6.81              | 1.51                                 |                     | 4.79                          |                                      |                              |
|       |             |          |      | SISO A       | 1.90       |           | 1.90         | 6.92              | 1.55                                 |                     | 4.92                          |                                      |                              |
|       |             |          |      | SISO B       | 1.83       |           | 1.83         | 6.85              | 1.52                                 |                     | 4.84                          |                                      |                              |
|       |             |          |      | MIMO A       | -1.10      |           | -1.10        | 3.92              | 0.78                                 |                     | 2.47                          |                                      |                              |
|       |             |          |      | MIMO B       | -1.14      |           | -1.14        | 3.88              | 0.77                                 |                     | 2.44                          |                                      |                              |
|       |             |          |      | Combined A+B | 1.89       |           | 1.89         | 6.91              | 1.55                                 |                     | 4.91                          |                                      |                              |
|       |             |          |      | SISO A       | -0.21      |           | -0.21        | 4.81              | 0.95                                 |                     | 3.03                          |                                      |                              |
|       |             |          |      | SISO B       | -0.04      |           | -0.04        | 4.98              | 0.99                                 |                     | 3.15                          |                                      |                              |
|       |             |          |      | MIMO A       | -2.59      |           | -2.59        | 2.43              | 0.55                                 |                     | 1.75                          |                                      |                              |
|       |             |          |      | MIMO B       | -2.51      |           | -2.51        | 2.51              | 0.56                                 |                     | 1.78                          |                                      |                              |
|       |             |          |      | Combined A+B | 0.46       |           | 0.46         | 5.48              | 1.11                                 |                     | 3.53                          |                                      |                              |
|       | 802.11ax/be | 40       | MCS0 | 187          | 6885       | Full BW   | SISO A       | 4.47              | 4.47                                 |                     | 9.49                          | 2.80                                 | 8.89                         |
|       |             |          |      |              |            |           | SISO B       | 4.69              | 4.69                                 |                     | 9.71                          | 2.94                                 | 9.35                         |
|       |             |          |      |              |            |           | MIMO A       | 1.80              | 1.80                                 |                     | 6.82                          | 1.51                                 | 4.81                         |
|       |             |          |      |              |            |           | MIMO B       | 1.75              | 1.75                                 |                     | 6.77                          | 1.50                                 | 4.75                         |
|       |             |          |      |              |            |           | Combined A+B | 4.79              | 4.79                                 |                     | 9.81                          | 3.01                                 | 9.56                         |
|       |             |          |      | SISO A       | 4.90       |           | 4.90         | 9.92              | 3.09                                 |                     | 9.82                          |                                      |                              |
|       |             |          |      | SISO B       | 4.92       |           | 4.92         | 9.94              | 3.10                                 |                     | 9.86                          |                                      |                              |
|       |             |          |      | MIMO A       | 1.83       |           | 1.83         | 6.85              | 1.52                                 |                     | 4.84                          |                                      |                              |
|       |             |          |      | MIMO B       | 1.96       |           | 1.96         | 6.98              | 1.57                                 |                     | 4.99                          |                                      |                              |
|       |             |          |      | Combined A+B | 4.91       |           | 4.91         | 9.93              | 3.09                                 |                     | 9.83                          |                                      |                              |
|       | 802.11ax/be | 80       | MCS0 | 183          | 6865       | Full BW   | SISO A       | 7.80              | 7.80                                 |                     | 12.82                         | 6.03                                 | 19.14                        |
|       |             |          |      |              |            |           | SISO B       | 7.83              | 7.83                                 |                     | 12.85                         | 6.07                                 | 19.28                        |
|       |             |          |      |              |            |           | MIMO A       | 4.71              | 4.71                                 |                     | 9.73                          | 2.96                                 | 9.40                         |
|       |             |          |      |              |            |           | MIMO B       | 4.82              | 4.82                                 |                     | 9.84                          | 3.03                                 | 9.64                         |
|       |             |          |      |              |            |           | Combined A+B | 7.78              | 7.78                                 |                     | 12.80                         | 5.99                                 | 19.04                        |
|       |             |          |      | SISO A       | 7.77       |           | 7.77         | 12.79             | 5.98                                 |                     | 19.01                         |                                      |                              |
|       |             |          |      | SISO B       | 8.13       |           | 8.13         | 13.15             | 6.50                                 |                     | 20.65                         |                                      |                              |
|       |             |          |      | MIMO A       | 4.81       |           | 4.81         | 9.83              | 3.03                                 |                     | 9.62                          |                                      |                              |
|       |             |          |      | MIMO B       | 5.11       |           | 5.11         | 10.13             | 3.24                                 |                     | 10.30                         |                                      |                              |
|       |             |          |      | Combined A+B | 7.97       |           | 7.97         | 12.99             | 6.27                                 |                     | 19.92                         |                                      |                              |
|       |             |          |      | SISO A       | 7.78       |           | 7.78         | 12.80             | 6.00                                 |                     | 19.05                         |                                      |                              |
|       |             |          |      | SISO B       | 7.90       |           | 7.90         | 12.92             | 6.17                                 |                     | 19.59                         |                                      |                              |
|       |             |          |      | MIMO A       | 4.92       |           | 4.92         | 9.94              | 3.10                                 |                     | 9.86                          |                                      |                              |
|       |             |          |      | MIMO B       | 4.87       |           | 4.87         | 9.89              | 3.07                                 |                     | 9.75                          |                                      |                              |
|       |             |          |      | Combined A+B | 7.91       |           | 7.91         | 12.93             | 6.17                                 |                     | 19.61                         |                                      |                              |

| UNI | Mode        | BW [MHz] | Rate | Ch# | Freq [MHz] | RU config | Chain        | Ouput Power [dBm] | Max <sup>(1)</sup> Ouput Power [dBm] | Antenn a Gain (dBi) | Max <sup>(1)</sup> EIRP [dBm] | Max <sup>(1)</sup> Output Power [mW] | Max <sup>(1)</sup> EIRP [mW] |
|-----|-------------|----------|------|-----|------------|-----------|--------------|-------------------|--------------------------------------|---------------------|-------------------------------|--------------------------------------|------------------------------|
|     | 802.11ax/be | 160      | MCS0 | 207 | 6985       | Full BW   | SISO A       | 8.78              | 8.78                                 |                     | 13.80                         | 7.55                                 | 23.99                        |
|     |             |          |      |     |            |           | SISO B       | 8.77              | 8.77                                 |                     | 13.79                         | 7.53                                 | 23.93                        |
|     |             |          |      |     |            |           | MIMO A       | 5.82              | 5.82                                 |                     | 10.84                         | 3.82                                 | 12.13                        |
|     |             |          |      |     |            |           | MIMO B       | 5.71              | 5.71                                 |                     | 10.73                         | 3.72                                 | 11.83                        |
|     |             |          |      |     |            |           | Combined A+B | 8.78              | 8.78                                 |                     | 13.80                         | 7.54                                 | 23.96                        |
|     | 802.11ax/be | 320      | MCS0 | 191 | 6905       | Full BW   | SISO A       | 8.62              | 8.62                                 |                     | 13.64                         | 7.28                                 | 23.12                        |
|     |             |          |      |     |            |           | SISO B       | 8.84              | 8.84                                 |                     | 13.86                         | 7.66                                 | 24.32                        |
|     |             |          |      |     |            |           | MIMO A       | 5.62              | 5.62                                 |                     | 10.64                         | 3.65                                 | 11.59                        |
|     |             |          |      |     |            |           | MIMO B       | 5.84              | 5.84                                 |                     | 10.86                         | 3.84                                 | 12.19                        |
|     |             |          |      |     |            |           | Combined A+B | 8.74              | 8.74                                 |                     | 13.76                         | 7.48                                 | 23.78                        |

- (1) Value compensated with the duty cycle
- (2) Max/Min value highlighted per mode/bandwidth

# Maximum Power Spectral Density (PSD)

## UNII5

| UNII  | Mode_BW       | Rate | Channel | Freq. [MHz] | RU config. | Antenna      | PSD [dBm/MHz] | Max <sup>(1)</sup> PSD [dBm/MHz] | Antenna Gain (dBi) | Max <sup>(1)</sup> PSD EIRP [dBm/MHz] |
|-------|---------------|------|---------|-------------|------------|--------------|---------------|----------------------------------|--------------------|---------------------------------------|
| UNII5 | 802.11ax/be20 | MCS0 | 1       | 5955        | FullBW     | SISO A       | -10.20        | -10.20                           | 5.02               | -5.18                                 |
| UNII5 | 802.11ax/be20 | MCS0 | 1       | 5955        | FullBW     | SISO B       | -10.42        | -10.42                           |                    | -5.40                                 |
| UNII5 | 802.11ax/be20 | MCS0 | 1       | 5955        | FullBW     | MIMO A       | -13.28        | -13.28                           |                    | -8.26                                 |
| UNII5 | 802.11ax/be20 | MCS0 | 1       | 5955        | FullBW     | MIMO B       | -13.13        | -13.13                           |                    | -8.11                                 |
| UNII5 | 802.11ax/be20 | MCS0 | 1       | 5955        | FullBW     | Combined A+B | -10.19        | -10.19                           |                    | -5.17                                 |
| UNII5 | 802.11ax/be20 | MCS0 | 45      | 6175        | FullBW     | SISO A       | -10.11        | -10.11                           |                    | -5.09                                 |
| UNII5 | 802.11ax/be20 | MCS0 | 45      | 6175        | FullBW     | SISO B       | -10.45        | -10.45                           |                    | -5.43                                 |
| UNII5 | 802.11ax/be20 | MCS0 | 45      | 6175        | FullBW     | MIMO A       | -13.22        | -13.22                           |                    | -8.20                                 |
| UNII5 | 802.11ax/be20 | MCS0 | 45      | 6175        | FullBW     | MIMO B       | -13.18        | -13.18                           |                    | -8.16                                 |
| UNII5 | 802.11ax/be20 | MCS0 | 45      | 6175        | FullBW     | Combined A+B | -10.19        | -10.19                           |                    | -5.17                                 |
| UNII5 | 802.11ax/be20 | MCS0 | 93      | 6415        | FullBW     | SISO A       | -10.39        | -10.39                           |                    | -5.37                                 |
| UNII5 | 802.11ax/be20 | MCS0 | 93      | 6415        | FullBW     | SISO B       | -10.20        | -10.20                           |                    | -5.18                                 |
| UNII5 | 802.11ax/be20 | MCS0 | 93      | 6415        | FullBW     | MIMO A       | -13.10        | -13.10                           |                    | -8.08                                 |
| UNII5 | 802.11ax/be20 | MCS0 | 93      | 6415        | FullBW     | MIMO B       | -13.21        | -13.21                           |                    | -8.19                                 |
| UNII5 | 802.11ax/be20 | MCS0 | 93      | 6415        | FullBW     | Combined A+B | -10.14        | -10.14                           |                    | -5.12                                 |
| UNII5 | 802.11ax/be40 | MCS0 | 3       | 5965        | FullBW     | SISO A       | -10.30        | -10.30                           |                    | -5.28                                 |
| UNII5 | 802.11ax/be40 | MCS0 | 3       | 5965        | FullBW     | SISO B       | -10.14        | -10.14                           |                    | -5.12                                 |
| UNII5 | 802.11ax/be40 | MCS0 | 3       | 5965        | FullBW     | MIMO A       | -13.18        | -13.18                           |                    | -8.16                                 |
| UNII5 | 802.11ax/be40 | MCS0 | 3       | 5965        | FullBW     | MIMO B       | -13.09        | -13.09                           |                    | -8.07                                 |
| UNII5 | 802.11ax/be40 | MCS0 | 3       | 5965        | FullBW     | Combined A+B | -10.12        | -10.12                           |                    | -5.10                                 |
| UNII5 | 802.11ax/be40 | MCS0 | 43      | 6165        | FullBW     | SISO A       | -10.35        | -10.35                           |                    | -5.33                                 |
| UNII5 | 802.11ax/be40 | MCS0 | 43      | 6165        | FullBW     | SISO B       | -10.10        | -10.10                           |                    | -5.08                                 |
| UNII5 | 802.11ax/be40 | MCS0 | 43      | 6165        | FullBW     | MIMO A       | -13.40        | -13.40                           |                    | -8.38                                 |
| UNII5 | 802.11ax/be40 | MCS0 | 43      | 6165        | FullBW     | MIMO B       | -13.10        | -13.10                           |                    | -8.08                                 |
| UNII5 | 802.11ax/be40 | MCS0 | 43      | 6165        | FullBW     | Combined A+B | -10.24        | -10.24                           |                    | -5.22                                 |
| UNII5 | 802.11ax/be40 | MCS0 | 91      | 6405        | FullBW     | SISO A       | -10.32        | -10.32                           |                    | -5.30                                 |
| UNII5 | 802.11ax/be40 | MCS0 | 91      | 6405        | FullBW     | SISO B       | -10.09        | -10.09                           |                    | -5.07                                 |
| UNII5 | 802.11ax/be40 | MCS0 | 91      | 6405        | FullBW     | MIMO A       | -13.14        | -13.14                           |                    | -8.12                                 |
| UNII5 | 802.11ax/be40 | MCS0 | 91      | 6405        | FullBW     | MIMO B       | -13.11        | -13.11                           |                    | -8.09                                 |
| UNII5 | 802.11ax/be40 | MCS0 | 91      | 6405        | FullBW     | Combined A+B | -10.11        | -10.11                           |                    | -5.09                                 |
| UNII5 | 802.11ax/be80 | MCS0 | 7       | 5985        | FullBW     | SISO A       | -10.19        | -10.19                           |                    | -5.17                                 |
| UNII5 | 802.11ax/be80 | MCS0 | 7       | 5985        | FullBW     | SISO B       | -10.25        | -10.25                           |                    | -5.23                                 |
| UNII5 | 802.11ax/be80 | MCS0 | 7       | 5985        | FullBW     | MIMO A       | -13.27        | -13.27                           |                    | -8.25                                 |
| UNII5 | 802.11ax/be80 | MCS0 | 7       | 5985        | FullBW     | MIMO B       | -13.33        | -13.33                           |                    | -8.31                                 |
| UNII5 | 802.11ax/be80 | MCS0 | 7       | 5985        | FullBW     | Combined A+B | -10.29        | -10.29                           |                    | -5.27                                 |
| UNII5 | 802.11ax/be80 | MCS0 | 39      | 6145        | FullBW     | SISO A       | -10.36        | -10.36                           |                    | -5.34                                 |
| UNII5 | 802.11ax/be80 | MCS0 | 39      | 6145        | FullBW     | SISO B       | -10.33        | -10.33                           |                    | -5.31                                 |
| UNII5 | 802.11ax/be80 | MCS0 | 39      | 6145        | FullBW     | MIMO A       | -13.42        | -13.42                           |                    | -8.40                                 |
| UNII5 | 802.11ax/be80 | MCS0 | 39      | 6145        | FullBW     | MIMO B       | -13.24        | -13.24                           |                    | -8.22                                 |
| UNII5 | 802.11ax/be80 | MCS0 | 39      | 6145        | FullBW     | Combined A+B | -10.32        | -10.32                           |                    | -5.30                                 |
| UNII5 | 802.11ax/be80 | MCS0 | 87      | 6385        | FullBW     | SISO A       | -10.67        | -10.67                           |                    | -5.65                                 |
| UNII5 | 802.11ax/be80 | MCS0 | 87      | 6385        | FullBW     | SISO B       | -10.44        | -10.44                           |                    | -5.42                                 |
| UNII5 | 802.11ax/be80 | MCS0 | 87      | 6385        | FullBW     | MIMO A       | -13.36        | -13.36                           |                    | -8.34                                 |
| UNII5 | 802.11ax/be80 | MCS0 | 87      | 6385        | FullBW     | MIMO B       | -13.19        | -13.19                           |                    | -8.17                                 |
| UNII5 | 802.11ax/be80 | MCS0 | 87      | 6385        | FullBW     | Combined A+B | -10.26        | -10.26                           |                    | -5.24                                 |

| UNII  | Mode_BW        | Rate | Channel | Freq.<br>[MHz] | RU config. | Antenna      | PSD<br>[dBm/MHz] | Max <sup>(1)</sup><br>PSD<br>[dBm/MHz] | Antenna<br>Gain<br>(dBi) | Max <sup>(1)</sup><br>PSD EIRP<br>[dBm/MHz] |
|-------|----------------|------|---------|----------------|------------|--------------|------------------|----------------------------------------|--------------------------|---------------------------------------------|
| UNII5 | 802.11ax/be160 | MCS0 | 15      | 6025           | FullBW     | SISO A       | -11.83           | -11.83                                 |                          | -6.81                                       |
| UNII5 | 802.11ax/be160 | MCS0 | 15      | 6025           | FullBW     | SISO B       | -11.88           | -11.88                                 |                          | -6.86                                       |
| UNII5 | 802.11ax/be160 | MCS0 | 15      | 6025           | FullBW     | MIMO A       | -15.02           | -15.02                                 |                          | -10.00                                      |
| UNII5 | 802.11ax/be160 | MCS0 | 15      | 6025           | FullBW     | MIMO B       | -14.98           | -14.98                                 |                          | -9.96                                       |
| UNII5 | 802.11ax/be160 | MCS0 | 15      | 6025           | FullBW     | Combined A+B | -11.99           | -11.99                                 |                          | -6.97                                       |
| UNII5 | 802.11ax/be160 | MCS0 | 79      | 6345           | FullBW     | SISO A       | -12.02           | -12.02                                 |                          | -7.00                                       |
| UNII5 | 802.11ax/be160 | MCS0 | 79      | 6345           | FullBW     | SISO B       | -11.99           | -11.99                                 |                          | -6.97                                       |
| UNII5 | 802.11ax/be160 | MCS0 | 79      | 6345           | FullBW     | MIMO A       | -15.17           | -15.17                                 |                          | -10.15                                      |
| UNII5 | 802.11ax/be160 | MCS0 | 79      | 6345           | FullBW     | MIMO B       | -15.05           | -15.05                                 |                          | -10.03                                      |
| UNII5 | 802.11ax/be160 | MCS0 | 79      | 6345           | FullBW     | Combined A+B | -12.10           | -12.10                                 |                          | -7.08                                       |
| UNII5 | 802.11be320    | MCS0 | 31      | 6105           | FullBW     | SISO A       | -14.11           | -14.11                                 |                          | -9.09                                       |
| UNII5 | 802.11be320    | MCS0 | 31      | 6105           | FullBW     | SISO B       | -14.22           | -14.22                                 |                          | -9.20                                       |
| UNII5 | 802.11be320    | MCS0 | 31      | 6105           | FullBW     | MIMO A       | -17.18           | -17.18                                 |                          | -12.16                                      |
| UNII5 | 802.11be320    | MCS0 | 31      | 6105           | FullBW     | MIMO B       | -17.27           | -17.27                                 |                          | -12.25                                      |
| UNII5 | 802.11be320    | MCS0 | 31      | 6105           | FullBW     | Combined A+B | -14.21           | -14.21                                 |                          | -9.19                                       |
| UNII5 | 802.11be320    | MCS0 | 63      | 6265           | FullBW     | SISO A       | -14.07           | -14.07                                 |                          | -9.05                                       |
| UNII5 | 802.11be320    | MCS0 | 63      | 6265           | FullBW     | SISO B       | -14.30           | -14.30                                 |                          | -9.28                                       |
| UNII5 | 802.11be320    | MCS0 | 63      | 6265           | FullBW     | MIMO A       | -17.07           | -17.07                                 |                          | -12.05                                      |
| UNII5 | 802.11be320    | MCS0 | 63      | 6265           | FullBW     | MIMO B       | -17.14           | -17.14                                 |                          | -12.12                                      |
| UNII5 | 802.11be320    | MCS0 | 63      | 6265           | FullBW     | Combined A+B | -14.09           | -14.09                                 |                          | -9.07                                       |

<sup>(1)</sup> Value compensated with the duty cycle

## UNII6

| UNII  | Mode_BW        | Rate | Channel | Freq. [MHz] | RU config. | Antenna      | PSD [dBm/MHz] | Max <sup>(1)</sup> PSD [dBm/MHz] | Antenna Gain (dBi) | Max <sup>(1)</sup> PSD EIRP [dBm/MHz] |
|-------|----------------|------|---------|-------------|------------|--------------|---------------|----------------------------------|--------------------|---------------------------------------|
| UNII6 | 802.11ax/be20  | MCS0 | 97      | 6435        | FullBW     | SISO A       | -10.19        | -10.19                           | 5.02               | -5.17                                 |
| UNII6 | 802.11ax/be20  | MCS0 | 97      | 6435        | FullBW     | SISO B       | -10.15        | -10.15                           |                    | -5.13                                 |
| UNII6 | 802.11ax/be20  | MCS0 | 97      | 6435        | FullBW     | MIMO A       | -13.28        | -13.28                           |                    | -8.26                                 |
| UNII6 | 802.11ax/be20  | MCS0 | 97      | 6435        | FullBW     | MIMO B       | -13.26        | -13.26                           |                    | -8.24                                 |
| UNII6 | 802.11ax/be20  | MCS0 | 97      | 6435        | FullBW     | Combined A+B | -10.26        | -10.26                           |                    | -5.24                                 |
| UNII6 | 802.11ax/be20  | MCS0 | 105     | 6475        | FullBW     | SISO A       | -10.34        | -10.34                           |                    | -5.32                                 |
| UNII6 | 802.11ax/be20  | MCS0 | 105     | 6475        | FullBW     | SISO B       | -10.32        | -10.32                           |                    | -5.30                                 |
| UNII6 | 802.11ax/be20  | MCS0 | 105     | 6475        | FullBW     | MIMO A       | -13.40        | -13.40                           |                    | -8.38                                 |
| UNII6 | 802.11ax/be20  | MCS0 | 105     | 6475        | FullBW     | MIMO B       | -13.43        | -13.43                           |                    | -8.41                                 |
| UNII6 | 802.11ax/be20  | MCS0 | 105     | 6475        | FullBW     | Combined A+B | -10.40        | -10.40                           |                    | -5.38                                 |
| UNII6 | 802.11ax/be20  | MCS0 | 113     | 6515        | FullBW     | SISO A       | -10.21        | -10.21                           |                    | -5.19                                 |
| UNII6 | 802.11ax/be20  | MCS0 | 113     | 6515        | FullBW     | SISO B       | -10.17        | -10.17                           |                    | -5.15                                 |
| UNII6 | 802.11ax/be20  | MCS0 | 113     | 6515        | FullBW     | MIMO A       | -13.29        | -13.29                           |                    | -8.27                                 |
| UNII6 | 802.11ax/be20  | MCS0 | 113     | 6515        | FullBW     | MIMO B       | -13.26        | -13.26                           |                    | -8.24                                 |
| UNII6 | 802.11ax/be20  | MCS0 | 113     | 6515        | FullBW     | Combined A+B | -10.26        | -10.26                           |                    | -5.24                                 |
| UNII6 | 802.11ax/be40  | MCS0 | 99      | 6445        | FullBW     | SISO A       | -10.07        | -10.07                           |                    | -5.05                                 |
| UNII6 | 802.11ax/be40  | MCS0 | 99      | 6445        | FullBW     | SISO B       | -10.48        | -10.48                           |                    | -5.46                                 |
| UNII6 | 802.11ax/be40  | MCS0 | 99      | 6445        | FullBW     | MIMO A       | -13.18        | -13.18                           |                    | -8.16                                 |
| UNII6 | 802.11ax/be40  | MCS0 | 99      | 6445        | FullBW     | MIMO B       | -13.17        | -13.17                           |                    | -8.15                                 |
| UNII6 | 802.11ax/be40  | MCS0 | 99      | 6445        | FullBW     | Combined A+B | -10.16        | -10.16                           |                    | -5.14                                 |
| UNII6 | 802.11ax/be40  | MCS0 | 107     | 6485        | FullBW     | SISO A       | -10.18        | -10.18                           |                    | -5.16                                 |
| UNII6 | 802.11ax/be40  | MCS0 | 107     | 6485        | FullBW     | SISO B       | -10.10        | -10.10                           |                    | -5.08                                 |
| UNII6 | 802.11ax/be40  | MCS0 | 107     | 6485        | FullBW     | MIMO A       | -13.23        | -13.23                           |                    | -8.21                                 |
| UNII6 | 802.11ax/be40  | MCS0 | 107     | 6485        | FullBW     | MIMO B       | -13.19        | -13.19                           |                    | -8.17                                 |
| UNII6 | 802.11ax/be40  | MCS0 | 107     | 6485        | FullBW     | Combined A+B | -10.20        | -10.20                           |                    | -5.18                                 |
| UNII6 | 802.11ax/be40  | MCS0 | 115     | 6525        | FullBW     | SISO A       | -10.21        | -10.21                           |                    | -5.19                                 |
| UNII6 | 802.11ax/be40  | MCS0 | 115     | 6525        | FullBW     | SISO B       | -10.39        | -10.39                           |                    | -5.37                                 |
| UNII6 | 802.11ax/be40  | MCS0 | 115     | 6525        | FullBW     | MIMO A       | -13.00        | -13.00                           |                    | -7.98                                 |
| UNII6 | 802.11ax/be40  | MCS0 | 115     | 6525        | FullBW     | MIMO B       | -13.33        | -13.33                           |                    | -8.31                                 |
| UNII6 | 802.11ax/be40  | MCS0 | 115     | 6525        | FullBW     | Combined A+B | -10.15        | -10.15                           |                    | -5.13                                 |
| UNII6 | 802.11ax/be80  | MCS0 | 103     | 6465        | FullBW     | SISO A       | -10.28        | -10.28                           |                    | -5.26                                 |
| UNII6 | 802.11ax/be80  | MCS0 | 103     | 6465        | FullBW     | SISO B       | -10.16        | -10.16                           |                    | -5.14                                 |
| UNII6 | 802.11ax/be80  | MCS0 | 103     | 6465        | FullBW     | MIMO A       | -13.30        | -13.30                           |                    | -8.28                                 |
| UNII6 | 802.11ax/be80  | MCS0 | 103     | 6465        | FullBW     | MIMO B       | -13.18        | -13.18                           |                    | -8.16                                 |
| UNII6 | 802.11ax/be80  | MCS0 | 103     | 6465        | FullBW     | Combined A+B | -10.23        | -10.23                           |                    | -5.21                                 |
| UNII6 | 802.11ax/be80  | MCS0 | 119     | 6545        | FullBW     | SISO A       | -12.02        | -12.02                           |                    | -7.00                                 |
| UNII6 | 802.11ax/be80  | MCS0 | 119     | 6545        | FullBW     | SISO B       | -11.79        | -11.79                           |                    | -6.77                                 |
| UNII6 | 802.11ax/be80  | MCS0 | 119     | 6545        | FullBW     | MIMO A       | -15.23        | -15.23                           |                    | -10.21                                |
| UNII6 | 802.11ax/be80  | MCS0 | 119     | 6545        | FullBW     | MIMO B       | -15.33        | -15.33                           |                    | -10.31                                |
| UNII6 | 802.11ax/be80  | MCS0 | 119     | 6545        | FullBW     | Combined A+B | -12.27        | -12.27                           |                    | -7.25                                 |
| UNII6 | 802.11ax/be160 | MCS0 | 111     | 6505        | FullBW     | SISO A       | -14.04        | -14.04                           |                    | -9.02                                 |
| UNII6 | 802.11ax/be160 | MCS0 | 111     | 6505        | FullBW     | SISO B       | -14.01        | -14.01                           |                    | -8.99                                 |
| UNII6 | 802.11ax/be160 | MCS0 | 111     | 6505        | FullBW     | MIMO A       | -17.18        | -17.18                           |                    | -12.16                                |
| UNII6 | 802.11ax/be160 | MCS0 | 111     | 6505        | FullBW     | MIMO B       | -17.27        | -17.27                           |                    | -12.25                                |
| UNII6 | 802.11ax/be160 | MCS0 | 111     | 6505        | FullBW     | Combined A+B | -14.21        | -14.21                           |                    | -9.19                                 |
| UNII6 | 802.11be320    | MCS0 | 95      | 6425        | FullBW     | SISO A       | -14.23        | -14.23                           |                    | -9.21                                 |

| UNII  | Mode_BW     | Rate | Channel | Freq.<br>[MHz] | RU config. | Antenna      | PSD<br>[dBm/MHz] | Max <sup>(1)</sup><br>PSD<br>[dBm/MHz] | Antenna<br>Gain<br>(dBi) | Max <sup>(1)</sup><br>PSD EIRP<br>[dBm/MHz] |
|-------|-------------|------|---------|----------------|------------|--------------|------------------|----------------------------------------|--------------------------|---------------------------------------------|
| UNII6 | 802.11be320 | MCS0 | 95      | 6425           | FullBW     | SISO B       | -13.92           | -13.92                                 |                          | -8.90                                       |
| UNII6 | 802.11be320 | MCS0 | 95      | 6425           | FullBW     | MIMO A       | -17.14           | -17.14                                 |                          | -12.12                                      |
| UNII6 | 802.11be320 | MCS0 | 95      | 6425           | FullBW     | MIMO B       | -17.02           | -17.02                                 |                          | -12.00                                      |
| UNII6 | 802.11be320 | MCS0 | 95      | 6425           | FullBW     | Combined A+B | -14.07           | -14.07                                 |                          | -9.05                                       |
| UNII6 | 802.11be320 | MCS0 | 127     | 6585           | FullBW     | SISO A       | -10.19           | -10.19                                 |                          | -5.17                                       |
| UNII6 | 802.11be320 | MCS0 | 127     | 6585           | FullBW     | SISO B       | -10.15           | -10.15                                 |                          | -5.13                                       |
| UNII6 | 802.11be320 | MCS0 | 127     | 6585           | FullBW     | MIMO A       | -13.28           | -13.28                                 |                          | -8.26                                       |
| UNII6 | 802.11be320 | MCS0 | 127     | 6585           | FullBW     | MIMO B       | -13.26           | -13.26                                 |                          | -8.24                                       |
| UNII6 | 802.11be320 | MCS0 | 127     | 6585           | FullBW     | Combined A+B | -10.26           | -10.26                                 |                          | -5.24                                       |

<sup>(1)</sup> Value compensated with the duty cycle.

## UNII7

| UNII  | Mode_BW        | Rate | Channel | Freq. [MHz] | RU config. | Antenna      | PSD [dBm/MHz] | Max <sup>(1)</sup> PSD [dBm/MHz] | Antenna Gain (dBi) | Max <sup>(1)</sup> PSD EIRP [dBm/MHz] |
|-------|----------------|------|---------|-------------|------------|--------------|---------------|----------------------------------|--------------------|---------------------------------------|
| UNII7 | 802.11ax/be20  | MCS0 | 117     | 6535        | FullBW     | SISO A       | -10.10        | -10.10                           | 5.02               | -5.08                                 |
| UNII7 | 802.11ax/be20  | MCS0 | 117     | 6535        | FullBW     | SISO B       | -10.23        | -10.23                           |                    | -5.21                                 |
| UNII7 | 802.11ax/be20  | MCS0 | 117     | 6535        | FullBW     | MIMO A       | -13.33        | -13.33                           |                    | -8.31                                 |
| UNII7 | 802.11ax/be20  | MCS0 | 117     | 6535        | FullBW     | MIMO B       | -17.39        | -17.39                           |                    | -12.37                                |
| UNII7 | 802.11ax/be20  | MCS0 | 117     | 6535        | FullBW     | Combined A+B | -11.89        | -11.89                           |                    | -6.87                                 |
| UNII7 | 802.11ax/be20  | MCS0 | 149     | 6695        | FullBW     | SISO A       | -10.26        | -10.26                           |                    | -5.24                                 |
| UNII7 | 802.11ax/be20  | MCS0 | 149     | 6695        | FullBW     | SISO B       | -10.24        | -10.24                           |                    | -5.22                                 |
| UNII7 | 802.11ax/be20  | MCS0 | 149     | 6695        | FullBW     | MIMO A       | -13.17        | -13.17                           |                    | -8.15                                 |
| UNII7 | 802.11ax/be20  | MCS0 | 149     | 6695        | FullBW     | MIMO B       | -13.11        | -13.11                           |                    | -8.09                                 |
| UNII7 | 802.11ax/be20  | MCS0 | 149     | 6695        | FullBW     | Combined A+B | -10.13        | -10.13                           |                    | -5.11                                 |
| UNII7 | 802.11ax/be20  | MCS0 | 181     | 6855        | FullBW     | SISO A       | -10.14        | -10.14                           |                    | -5.12                                 |
| UNII7 | 802.11ax/be20  | MCS0 | 181     | 6855        | FullBW     | SISO B       | -10.28        | -10.28                           |                    | -5.26                                 |
| UNII7 | 802.11ax/be20  | MCS0 | 181     | 6855        | FullBW     | MIMO A       | -13.32        | -13.32                           |                    | -8.30                                 |
| UNII7 | 802.11ax/be20  | MCS0 | 181     | 6855        | FullBW     | MIMO B       | -13.20        | -13.20                           |                    | -8.18                                 |
| UNII7 | 802.11ax/be20  | MCS0 | 181     | 6855        | FullBW     | Combined A+B | -10.25        | -10.25                           |                    | -5.23                                 |
| UNII7 | 802.11ax/be40  | MCS0 | 123     | 6565        | FullBW     | SISO A       | -10.16        | -10.16                           |                    | -5.14                                 |
| UNII7 | 802.11ax/be40  | MCS0 | 123     | 6565        | FullBW     | SISO B       | -10.22        | -10.22                           |                    | -5.20                                 |
| UNII7 | 802.11ax/be40  | MCS0 | 123     | 6565        | FullBW     | MIMO A       | -13.13        | -13.13                           |                    | -8.11                                 |
| UNII7 | 802.11ax/be40  | MCS0 | 123     | 6565        | FullBW     | MIMO B       | -13.28        | -13.28                           |                    | -8.26                                 |
| UNII7 | 802.11ax/be40  | MCS0 | 123     | 6565        | FullBW     | Combined A+B | -10.19        | -10.19                           |                    | -5.17                                 |
| UNII7 | 802.11ax/be40  | MCS0 | 147     | 6685        | FullBW     | SISO A       | -10.13        | -10.13                           |                    | -5.11                                 |
| UNII7 | 802.11ax/be40  | MCS0 | 147     | 6685        | FullBW     | SISO B       | -10.16        | -10.16                           |                    | -5.14                                 |
| UNII7 | 802.11ax/be40  | MCS0 | 147     | 6685        | FullBW     | MIMO A       | -13.16        | -13.16                           |                    | -8.14                                 |
| UNII7 | 802.11ax/be40  | MCS0 | 147     | 6685        | FullBW     | MIMO B       | -13.44        | -13.44                           |                    | -8.42                                 |
| UNII7 | 802.11ax/be40  | MCS0 | 147     | 6685        | FullBW     | Combined A+B | -10.29        | -10.29                           |                    | -5.27                                 |
| UNII7 | 802.11ax/be40  | MCS0 | 179     | 6845        | FullBW     | SISO A       | -10.25        | -10.25                           |                    | -5.23                                 |
| UNII7 | 802.11ax/be40  | MCS0 | 179     | 6845        | FullBW     | SISO B       | -10.43        | -10.43                           |                    | -5.41                                 |
| UNII7 | 802.11ax/be40  | MCS0 | 179     | 6845        | FullBW     | MIMO A       | -13.12        | -13.12                           |                    | -8.10                                 |
| UNII7 | 802.11ax/be40  | MCS0 | 179     | 6845        | FullBW     | MIMO B       | -13.20        | -13.20                           |                    | -8.18                                 |
| UNII7 | 802.11ax/be40  | MCS0 | 179     | 6845        | FullBW     | Combined A+B | -10.15        | -10.15                           |                    | -5.13                                 |
| UNII7 | 802.11ax/be80  | MCS0 | 135     | 6625        | FullBW     | SISO A       | -10.14        | -10.14                           |                    | -5.12                                 |
| UNII7 | 802.11ax/be80  | MCS0 | 135     | 6625        | FullBW     | SISO B       | -10.29        | -10.29                           |                    | -5.27                                 |
| UNII7 | 802.11ax/be80  | MCS0 | 135     | 6625        | FullBW     | MIMO A       | -13.66        | -13.66                           |                    | -8.64                                 |
| UNII7 | 802.11ax/be80  | MCS0 | 135     | 6625        | FullBW     | MIMO B       | -13.35        | -13.35                           |                    | -8.33                                 |
| UNII7 | 802.11ax/be80  | MCS0 | 135     | 6625        | FullBW     | Combined A+B | -10.49        | -10.49                           |                    | -5.47                                 |
| UNII7 | 802.11ax/be80  | MCS0 | 151     | 6705        | FullBW     | SISO A       | -10.18        | -10.18                           |                    | -5.16                                 |
| UNII7 | 802.11ax/be80  | MCS0 | 151     | 6705        | FullBW     | SISO B       | -10.41        | -10.41                           |                    | -5.39                                 |
| UNII7 | 802.11ax/be80  | MCS0 | 151     | 6705        | FullBW     | MIMO A       | -13.47        | -13.47                           |                    | -8.45                                 |
| UNII7 | 802.11ax/be80  | MCS0 | 151     | 6705        | FullBW     | MIMO B       | -13.40        | -13.40                           |                    | -8.38                                 |
| UNII7 | 802.11ax/be80  | MCS0 | 151     | 6705        | FullBW     | Combined A+B | -10.42        | -10.42                           |                    | -5.40                                 |
| UNII7 | 802.11ax/be80  | MCS0 | 167     | 6785        | FullBW     | SISO A       | -12.07        | -12.07                           |                    | -7.05                                 |
| UNII7 | 802.11ax/be80  | MCS0 | 167     | 6785        | FullBW     | SISO B       | -12.10        | -12.10                           |                    | -7.08                                 |
| UNII7 | 802.11ax/be80  | MCS0 | 167     | 6785        | FullBW     | MIMO A       | -15.19        | -15.19                           |                    | -10.17                                |
| UNII7 | 802.11ax/be80  | MCS0 | 167     | 6785        | FullBW     | MIMO B       | -14.82        | -14.82                           |                    | -9.80                                 |
| UNII7 | 802.11ax/be80  | MCS0 | 167     | 6785        | FullBW     | Combined A+B | -11.99        | -11.99                           |                    | -6.97                                 |
| UNII7 | 802.11ax/be160 | MCS0 | 143     | 6665        | FullBW     | SISO A       | -10.10        | -10.10                           |                    | -5.08                                 |

| UNII  | Mode_BW        | Rate | Channel | Freq.<br>[MHz] | RU config. | Antenna      | PSD<br>[dBm/MHz] | Max <sup>(1)</sup><br>PSD<br>[dBm/MHz] | Antenna<br>Gain<br>(dBi) | Max <sup>(1)</sup><br>PSD EIRP<br>[dBm/MHz] |
|-------|----------------|------|---------|----------------|------------|--------------|------------------|----------------------------------------|--------------------------|---------------------------------------------|
| UNII7 | 802.11ax/be160 | MCS0 | 143     | 6665           | FullBW     | SISO B       | -10.23           | -10.23                                 |                          | -5.21                                       |
| UNII7 | 802.11ax/be160 | MCS0 | 143     | 6665           | FullBW     | MIMO A       | -13.33           | -13.33                                 |                          | -8.31                                       |
| UNII7 | 802.11ax/be160 | MCS0 | 143     | 6665           | FullBW     | MIMO B       | -17.39           | -17.39                                 |                          | -12.37                                      |
| UNII7 | 802.11ax/be160 | MCS0 | 143     | 6665           | FullBW     | Combined A+B | -11.89           | -11.89                                 |                          | -6.87                                       |

<sup>(1)</sup> Value compensated with the duty cycle

# UNII8

| UNII  | Mode_BW        | Rate | Channel | Freq. [MHz] | RU config. | Antenna      | PSD [dBm/MHz] | Max <sup>(1)</sup> PSD [dBm/MHz] | Antenna Gain (dBi) | Max <sup>(1)</sup> PSD EIRP [dBm/MHz] |
|-------|----------------|------|---------|-------------|------------|--------------|---------------|----------------------------------|--------------------|---------------------------------------|
| UNII8 | 802.11ax/be20  | MCS0 | 185     | 6875        | FullBW     | SISO A       | -10.11        | -10.11                           | 5.02               | -5.09                                 |
|       | 802.11ax/be20  | MCS0 | 185     | 6875        | FullBW     | SISO B       | -10.31        | -10.31                           |                    | -5.29                                 |
|       | 802.11ax/be20  | MCS0 | 185     | 6875        | FullBW     | MIMO A       | -13.30        | -13.30                           |                    | -8.28                                 |
|       | 802.11ax/be20  | MCS0 | 185     | 6875        | FullBW     | MIMO B       | -13.31        | -13.31                           |                    | -8.29                                 |
|       | 802.11ax/be20  | MCS0 | 185     | 6875        | FullBW     | Combined A+B | -10.29        | -10.29                           |                    | -5.27                                 |
|       | 802.11ax/be20  | MCS0 | 209     | 6995        | FullBW     | SISO A       | -10.04        | -10.04                           |                    | -5.02                                 |
|       | 802.11ax/be20  | MCS0 | 209     | 6995        | FullBW     | SISO B       | -10.19        | -10.19                           |                    | -5.17                                 |
|       | 802.11ax/be20  | MCS0 | 209     | 6995        | FullBW     | MIMO A       | -13.20        | -13.20                           |                    | -8.18                                 |
|       | 802.11ax/be20  | MCS0 | 209     | 6995        | FullBW     | MIMO B       | -13.17        | -13.17                           |                    | -8.15                                 |
|       | 802.11ax/be20  | MCS0 | 209     | 6995        | FullBW     | Combined A+B | -10.17        | -10.17                           |                    | -5.15                                 |
|       | 802.11ax/be20  | MCS0 | 229     | 7095        | FullBW     | SISO A       | -10.18        | -10.18                           |                    | -5.16                                 |
|       | 802.11ax/be20  | MCS0 | 229     | 7095        | FullBW     | SISO B       | -10.24        | -10.24                           |                    | -5.22                                 |
|       | 802.11ax/be20  | MCS0 | 229     | 7095        | FullBW     | MIMO A       | -13.14        | -13.14                           |                    | -8.12                                 |
|       | 802.11ax/be20  | MCS0 | 229     | 7095        | FullBW     | MIMO B       | -13.24        | -13.24                           |                    | -8.22                                 |
|       | 802.11ax/be20  | MCS0 | 229     | 7095        | FullBW     | Combined A+B | -10.18        | -10.18                           |                    | -5.16                                 |
|       | 802.11ax/be20  | MCS0 | 233     | 7115        | FullBW     | SISO A       | -12.21        | -12.21                           |                    | -7.19                                 |
|       | 802.11ax/be20  | MCS0 | 233     | 7115        | FullBW     | SISO B       | -12.04        | -12.04                           |                    | -7.02                                 |
|       | 802.11ax/be20  | MCS0 | 233     | 7115        | FullBW     | MIMO A       | -14.69        | -14.69                           |                    | -9.67                                 |
|       | 802.11ax/be20  | MCS0 | 233     | 7115        | FullBW     | MIMO B       | -14.57        | -14.57                           |                    | -9.55                                 |
|       | 802.11ax/be20  | MCS0 | 233     | 7115        | FullBW     | Combined A+B | -11.62        | -11.62                           |                    | -6.60                                 |
|       | 802.11ax/be40  | MCS0 | 187     | 6885        | FullBW     | SISO A       | -10.50        | -10.50                           |                    | -5.48                                 |
|       | 802.11ax/be40  | MCS0 | 187     | 6885        | FullBW     | SISO B       | -10.26        | -10.26                           |                    | -5.24                                 |
|       | 802.11ax/be40  | MCS0 | 187     | 6885        | FullBW     | MIMO A       | -13.10        | -13.10                           |                    | -8.08                                 |
|       | 802.11ax/be40  | MCS0 | 187     | 6885        | FullBW     | MIMO B       | -13.21        | -13.21                           |                    | -8.19                                 |
|       | 802.11ax/be40  | MCS0 | 187     | 6885        | FullBW     | Combined A+B | -10.14        | -10.14                           |                    | -5.12                                 |
|       | 802.11ax/be40  | MCS0 | 227     | 7085        | FullBW     | SISO A       | -10.14        | -10.14                           |                    | -5.12                                 |
|       | 802.11ax/be40  | MCS0 | 227     | 7085        | FullBW     | SISO B       | -10.11        | -10.11                           |                    | -5.09                                 |
|       | 802.11ax/be40  | MCS0 | 227     | 7085        | FullBW     | MIMO A       | -13.18        | -13.18                           |                    | -8.16                                 |
|       | 802.11ax/be40  | MCS0 | 227     | 7085        | FullBW     | MIMO B       | -13.15        | -13.15                           |                    | -8.13                                 |
|       | 802.11ax/be40  | MCS0 | 227     | 7085        | FullBW     | Combined A+B | -10.15        | -10.15                           |                    | -5.13                                 |
|       | 802.11ax/be80  | MCS0 | 183     | 6865        | FullBW     | SISO A       | -10.17        | -10.17                           |                    | -5.15                                 |
|       | 802.11ax/be80  | MCS0 | 183     | 6865        | FullBW     | SISO B       | -10.22        | -10.22                           |                    | -5.20                                 |
|       | 802.11ax/be80  | MCS0 | 183     | 6865        | FullBW     | MIMO A       | -13.19        | -13.19                           |                    | -8.17                                 |
|       | 802.11ax/be80  | MCS0 | 183     | 6865        | FullBW     | MIMO B       | -13.21        | -13.21                           |                    | -8.19                                 |
|       | 802.11ax/be80  | MCS0 | 183     | 6865        | FullBW     | Combined A+B | -10.19        | -10.19                           |                    | -5.17                                 |
|       | 802.11ax/be80  | MCS0 | 199     | 6945        | FullBW     | SISO A       | -10.39        | -10.39                           |                    | -5.37                                 |
|       | 802.11ax/be80  | MCS0 | 199     | 6945        | FullBW     | SISO B       | -10.14        | -10.14                           |                    | -5.12                                 |
|       | 802.11ax/be80  | MCS0 | 199     | 6945        | FullBW     | MIMO A       | -13.28        | -13.28                           |                    | -8.26                                 |
|       | 802.11ax/be80  | MCS0 | 199     | 6945        | FullBW     | MIMO B       | -13.12        | -13.12                           |                    | -8.10                                 |
|       | 802.11ax/be80  | MCS0 | 199     | 6945        | FullBW     | Combined A+B | -10.19        | -10.19                           |                    | -5.17                                 |
|       | 802.11ax/be80  | MCS0 | 215     | 7025        | FullBW     | SISO A       | -10.27        | -10.27                           |                    | -5.25                                 |
|       | 802.11ax/be80  | MCS0 | 215     | 7025        | FullBW     | SISO B       | -10.25        | -10.25                           |                    | -5.23                                 |
|       | 802.11ax/be80  | MCS0 | 215     | 7025        | FullBW     | MIMO A       | -13.23        | -13.23                           |                    | -8.21                                 |
|       | 802.11ax/be80  | MCS0 | 215     | 7025        | FullBW     | MIMO B       | -13.31        | -13.31                           |                    | -8.29                                 |
|       | 802.11ax/be80  | MCS0 | 215     | 7025        | FullBW     | Combined A+B | -10.26        | -10.26                           |                    | -5.24                                 |
|       | 802.11ax/be160 | MCS0 | 207     | 6985        | FullBW     | SISO A       | -12.16        | -12.16                           |                    | -7.14                                 |

| UNII | Mode_BW        | Rate | Channel | Freq.<br>[MHz] | RU config. | Antenna      | PSD<br>[dBm/MHz] | Max <sup>(1)</sup><br>PSD<br>[dBm/MHz] | Antenna<br>Gain<br>(dBi) | Max <sup>(1)</sup><br>PSD EIRP<br>[dBm/MHz] |
|------|----------------|------|---------|----------------|------------|--------------|------------------|----------------------------------------|--------------------------|---------------------------------------------|
|      | 802.11ax/be160 | MCS0 | 207     | 6985           | FullBW     | SISO B       | -12.44           | -12.44                                 |                          | -7.42                                       |
|      | 802.11ax/be160 | MCS0 | 207     | 6985           | FullBW     | MIMO A       | -15.10           | -15.10                                 |                          | -10.08                                      |
|      | 802.11ax/be160 | MCS0 | 207     | 6985           | FullBW     | MIMO B       | -15.24           | -15.24                                 |                          | -10.22                                      |
|      | 802.11ax/be160 | MCS0 | 207     | 6985           | FullBW     | Combined A+B | -12.16           | -12.16                                 |                          | -7.14                                       |
|      | 802.11be320    | MCS0 | 191     | 6905           | FullBW     | SISO A       | -14.34           | -14.34                                 |                          | -9.32                                       |
|      | 802.11be320    | MCS0 | 191     | 6905           | FullBW     | SISO B       | -14.43           | -14.43                                 |                          | -9.41                                       |
|      | 802.11be320    | MCS0 | 191     | 6905           | FullBW     | MIMO A       | -17.45           | -17.45                                 |                          | -12.43                                      |
|      | 802.11be320    | MCS0 | 191     | 6905           | FullBW     | MIMO B       | -17.49           | -17.49                                 |                          | -12.47                                      |
|      | 802.11be320    | MCS0 | 191     | 6905           | FullBW     | Combined A+B | -14.46           | -14.46                                 |                          | -9.44                                       |

<sup>(1)</sup> Value compensated with the duty cycle

## B.2.3 Transmit Power Control – Power Spectral Density

### Test limits

| FCC part                              | RSS part             | Limits                                                                                                                                                                                                                                                  |
|---------------------------------------|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 15.407 (d) (10) amended by FCC 24-125 | -                    | Very low power devices operating in the 5.925-7.125 GHz band shall employ a transmit power control (TPC) mechanism. A very low power device is required to have the capability to operate at least 6 dB below the maximum EIRP PSD value of -5 dBm/ MHz |
| -                                     | RSS-248 Clause 4.2   | The following frequency bands of operation shall apply to RLAN devices: 5925-7125 MHz for very low-power devices                                                                                                                                        |
| -                                     | RSS-248 Clause 4.5.6 | A very low-power device shall implement transmitter power control in order to have the capability to operate at least 6 dB lower than the maximum e.i.r.p. spectral density limit. These power levels shall be identified in the test report.           |

### Test procedure

The Transmit Power Control - Power Density was measured using the method according to section F) (Method SA-2 ) of KDB 789033

In the *measure-and-sum* approach for MIMO mode, the conducted emission level (e.g., transmit power or power in specified bandwidth) is measured at each antenna port. The measured results at the various antenna ports are then summed mathematically in linear power units to determine the total emission level from the device. When MIMO mode is running each single antenna conducted output power is reduced by 3dBi such that MIMO mode does not exceed the output of a single chain in SISO mode.  $SISO\ A\ pwr = SISO\ B\ pwr = MIMO\ pwr\ (1/2\ A\ pwr + 1/2\ B\ pwr)$ .

The EIRP power (dBm) is calculated by adding the declared maximum antenna gain (+5.02dBi) to the measured conducted power in accordance with KDB 662911 D01 v02r01. All transmit signals are completely uncorrelated with each other. Therefore, Directional gain = GANT = +5.02 dBi.

Per KDB 662911 D01 v02r01: MIMO Spacial diversity applies as completely uncorrelated, neither beamforming, whether fixed or adaptative, nor Cyclic Delay Diversity (CDD) technique are used. For further details, refer to 'MIMO Theory of Operation' document.

The conducted setup shown in section *Test & System Description* was used to measure the maximum conducted output power and power spectral density. The antenna terminal of the EUT is connected to the spectrum analyser through an attenuator, and the spectrum analyzer reading is compensated to include the RF path loss.

# UNII5

| UNII  | Mode_BW        | Rate | Channel | Freq. [MHz] | RU config. | Antenna      | PSD [dBm/MHz] | Max <sup>(1)</sup> PSD [dBm/MHz] | Antenna Gain (dBi) | Max <sup>(1)</sup> PSD EIRP [dBm/MHz] |
|-------|----------------|------|---------|-------------|------------|--------------|---------------|----------------------------------|--------------------|---------------------------------------|
| UNII5 | 802.11ax/be20  | MCS0 | 1       | 5955        | FullBW     | SISO A       | -16.08        | -16.08                           | 5.02               | -11.06                                |
| UNII5 | 802.11ax/be20  | MCS0 | 1       | 5955        | FullBW     | SISO B       | -16.33        | -16.33                           |                    | -11.31                                |
| UNII5 | 802.11ax/be20  | MCS0 | 1       | 5955        | FullBW     | MIMO A       | -19.33        | -19.33                           |                    | -14.31                                |
| UNII5 | 802.11ax/be20  | MCS0 | 1       | 5955        | FullBW     | MIMO B       | -19.17        | -19.17                           |                    | -14.15                                |
| UNII5 | 802.11ax/be20  | MCS0 | 1       | 5955        | FullBW     | Combined A+B | -16.24        | -16.24                           |                    | -11.22                                |
| UNII5 | 802.11ax/be20  | MCS0 | 45      | 6175        | FullBW     | SISO A       | -16.22        | -16.22                           |                    | -11.2                                 |
| UNII5 | 802.11ax/be20  | MCS0 | 45      | 6175        | FullBW     | SISO B       | -16.12        | -16.12                           |                    | -11.1                                 |
| UNII5 | 802.11ax/be20  | MCS0 | 45      | 6175        | FullBW     | MIMO A       | -19.19        | -19.19                           |                    | -14.17                                |
| UNII5 | 802.11ax/be20  | MCS0 | 45      | 6175        | FullBW     | MIMO B       | -19.26        | -19.26                           |                    | -14.24                                |
| UNII5 | 802.11ax/be20  | MCS0 | 45      | 6175        | FullBW     | Combined A+B | -16.21        | -16.21                           |                    | -11.19                                |
| UNII5 | 802.11ax/be20  | MCS0 | 93      | 6415        | FullBW     | SISO A       | -16.09        | -16.09                           |                    | -11.07                                |
| UNII5 | 802.11ax/be20  | MCS0 | 93      | 6415        | FullBW     | SISO B       | -16.2         | -16.2                            |                    | -11.18                                |
| UNII5 | 802.11ax/be20  | MCS0 | 93      | 6415        | FullBW     | MIMO A       | -19.33        | -19.33                           |                    | -14.31                                |
| UNII5 | 802.11ax/be20  | MCS0 | 93      | 6415        | FullBW     | MIMO B       | -19.11        | -19.11                           |                    | -14.09                                |
| UNII5 | 802.11ax/be20  | MCS0 | 93      | 6415        | FullBW     | Combined A+B | -16.21        | -16.21                           |                    | -11.19                                |
| UNII5 | 802.11ax/be40  | MCS0 | 3       | 5965        | FullBW     | SISO A       | -16.27        | -16.27                           |                    | -11.25                                |
| UNII5 | 802.11ax/be40  | MCS0 | 3       | 5965        | FullBW     | SISO B       | -16.36        | -16.36                           |                    | -11.34                                |
| UNII5 | 802.11ax/be40  | MCS0 | 3       | 5965        | FullBW     | MIMO A       | -19.23        | -19.23                           |                    | -14.21                                |
| UNII5 | 802.11ax/be40  | MCS0 | 3       | 5965        | FullBW     | MIMO B       | -19.22        | -19.22                           |                    | -14.2                                 |
| UNII5 | 802.11ax/be40  | MCS0 | 3       | 5965        | FullBW     | Combined A+B | -16.21        | -16.21                           |                    | -11.19                                |
| UNII5 | 802.11ax/be40  | MCS0 | 43      | 6165        | FullBW     | SISO A       | -16.18        | -16.18                           |                    | -11.16                                |
| UNII5 | 802.11ax/be40  | MCS0 | 43      | 6165        | FullBW     | SISO B       | -16.26        | -16.26                           |                    | -11.24                                |
| UNII5 | 802.11ax/be40  | MCS0 | 43      | 6165        | FullBW     | MIMO A       | -19.33        | -19.33                           |                    | -14.31                                |
| UNII5 | 802.11ax/be40  | MCS0 | 43      | 6165        | FullBW     | MIMO B       | -19.45        | -19.45                           |                    | -14.43                                |
| UNII5 | 802.11ax/be40  | MCS0 | 43      | 6165        | FullBW     | Combined A+B | -16.38        | -16.38                           |                    | -11.36                                |
| UNII5 | 802.11ax/be40  | MCS0 | 91      | 6405        | FullBW     | SISO A       | -16.61        | -16.61                           |                    | -11.59                                |
| UNII5 | 802.11ax/be40  | MCS0 | 91      | 6405        | FullBW     | SISO B       | -16.49        | -16.49                           |                    | -11.47                                |
| UNII5 | 802.11ax/be40  | MCS0 | 91      | 6405        | FullBW     | MIMO A       | -19.26        | -19.26                           |                    | -14.24                                |
| UNII5 | 802.11ax/be40  | MCS0 | 91      | 6405        | FullBW     | MIMO B       | -19.38        | -19.38                           |                    | -14.36                                |
| UNII5 | 802.11ax/be40  | MCS0 | 91      | 6405        | FullBW     | Combined A+B | -16.31        | -16.31                           |                    | -11.29                                |
| UNII5 | 802.11ax/be80  | MCS0 | 7       | 5985        | FullBW     | SISO A       | -16.55        | -16.55                           |                    | -11.53                                |
| UNII5 | 802.11ax/be80  | MCS0 | 7       | 5985        | FullBW     | SISO B       | -16.16        | -16.16                           |                    | -11.14                                |
| UNII5 | 802.11ax/be80  | MCS0 | 7       | 5985        | FullBW     | MIMO A       | -19.57        | -19.57                           |                    | -14.55                                |
| UNII5 | 802.11ax/be80  | MCS0 | 7       | 5985        | FullBW     | MIMO B       | -19.23        | -19.23                           |                    | -14.21                                |
| UNII5 | 802.11ax/be80  | MCS0 | 7       | 5985        | FullBW     | Combined A+B | -16.39        | -16.39                           |                    | -11.37                                |
| UNII5 | 802.11ax/be80  | MCS0 | 39      | 6145        | FullBW     | SISO A       | -16.3         | -16.3                            |                    | -11.28                                |
| UNII5 | 802.11ax/be80  | MCS0 | 39      | 6145        | FullBW     | SISO B       | -16.35        | -16.35                           |                    | -11.33                                |
| UNII5 | 802.11ax/be80  | MCS0 | 39      | 6145        | FullBW     | MIMO A       | -19.38        | -19.38                           |                    | -14.36                                |
| UNII5 | 802.11ax/be80  | MCS0 | 39      | 6145        | FullBW     | MIMO B       | -19.15        | -19.15                           |                    | -14.13                                |
| UNII5 | 802.11ax/be80  | MCS0 | 39      | 6145        | FullBW     | Combined A+B | -16.25        | -16.25                           |                    | -11.23                                |
| UNII5 | 802.11ax/be80  | MCS0 | 87      | 6385        | FullBW     | SISO A       | -16.25        | -16.25                           |                    | -11.23                                |
| UNII5 | 802.11ax/be80  | MCS0 | 87      | 6385        | FullBW     | SISO B       | -16.13        | -16.13                           |                    | -11.11                                |
| UNII5 | 802.11ax/be80  | MCS0 | 87      | 6385        | FullBW     | MIMO A       | -19.51        | -19.51                           |                    | -14.49                                |
| UNII5 | 802.11ax/be80  | MCS0 | 87      | 6385        | FullBW     | MIMO B       | -19.36        | -19.36                           |                    | -14.34                                |
| UNII5 | 802.11ax/be80  | MCS0 | 87      | 6385        | FullBW     | Combined A+B | -16.42        | -16.42                           |                    | -11.40                                |
| UNII5 | 802.11ax/be160 | MCS0 | 15      | 6025        | FullBW     | SISO A       | -16.51        | -16.51                           |                    | -11.49                                |

| UNII  | Mode_BW        | Rate | Channel | Freq.<br>[MHz] | RU config. | Antenna      | PSD<br>[dBm/MHz] | Max <sup>(1)</sup><br>PSD<br>[dBm/MHz] | Antenna<br>Gain<br>(dBi) | Max <sup>(1)</sup><br>PSD EIRP<br>[dBm/MHz] |
|-------|----------------|------|---------|----------------|------------|--------------|------------------|----------------------------------------|--------------------------|---------------------------------------------|
| UNII5 | 802.11ax/be160 | MCS0 | 15      | 6025           | FullBW     | SISO B       | -16.23           | -16.23                                 |                          | -11.21                                      |
| UNII5 | 802.11ax/be160 | MCS0 | 15      | 6025           | FullBW     | MIMO A       | -19.12           | -19.12                                 |                          | -14.1                                       |
| UNII5 | 802.11ax/be160 | MCS0 | 15      | 6025           | FullBW     | MIMO B       | -19.35           | -19.35                                 |                          | -14.33                                      |
| UNII5 | 802.11ax/be160 | MCS0 | 15      | 6025           | FullBW     | Combined A+B | -16.22           | -16.22                                 |                          | -11.20                                      |
| UNII5 | 802.11ax/be160 | MCS0 | 79      | 6345           | FullBW     | SISO A       | -16.27           | -16.27                                 |                          | -11.25                                      |
| UNII5 | 802.11ax/be160 | MCS0 | 79      | 6345           | FullBW     | SISO B       | -16.15           | -16.15                                 |                          | -11.13                                      |
| UNII5 | 802.11ax/be160 | MCS0 | 79      | 6345           | FullBW     | MIMO A       | -19.31           | -19.31                                 |                          | -14.29                                      |
| UNII5 | 802.11ax/be160 | MCS0 | 79      | 6345           | FullBW     | MIMO B       | -19.42           | -19.42                                 |                          | -14.4                                       |
| UNII5 | 802.11ax/be160 | MCS0 | 79      | 6345           | FullBW     | Combined A+B | -16.35           | -16.35                                 |                          | -11.33                                      |
| UNII5 | 802.11be320    | MCS0 | 31      | 6105           | FullBW     | SISO A       | -16.41           | -16.41                                 |                          | -11.39                                      |
| UNII5 | 802.11be320    | MCS0 | 31      | 6105           | FullBW     | SISO B       | -16.2            | -16.2                                  |                          | -11.18                                      |
| UNII5 | 802.11be320    | MCS0 | 31      | 6105           | FullBW     | MIMO A       | -19.52           | -19.52                                 |                          | -14.5                                       |
| UNII5 | 802.11be320    | MCS0 | 31      | 6105           | FullBW     | MIMO B       | -19.37           | -19.37                                 |                          | -14.35                                      |
| UNII5 | 802.11be320    | MCS0 | 31      | 6105           | FullBW     | Combined A+B | -16.43           | -16.43                                 |                          | -11.41                                      |
| UNII5 | 802.11be320    | MCS0 | 63      | 6265           | FullBW     | SISO A       | -16.22           | -16.22                                 |                          | -11.2                                       |
| UNII5 | 802.11be320    | MCS0 | 63      | 6265           | FullBW     | SISO B       | -16.38           | -16.38                                 |                          | -11.36                                      |
| UNII5 | 802.11be320    | MCS0 | 63      | 6265           | FullBW     | MIMO A       | -19.54           | -19.54                                 |                          | -14.52                                      |
| UNII5 | 802.11be320    | MCS0 | 63      | 6265           | FullBW     | MIMO B       | -19.47           | -19.47                                 |                          | -14.45                                      |
| UNII5 | 802.11be320    | MCS0 | 63      | 6265           | FullBW     | Combined A+B | -16.49           | -16.49                                 |                          | -11.47                                      |

<sup>(2)</sup> Value compensated with the duty cycle

# UNII6

| UNII  | Mode_BW        | Rate | Channel | Freq.<br>[MHz] | RU config. | Antenna      | PSD<br>[dBm/MHz] | Max <sup>(1)</sup><br>PSD<br>[dBm/MHz] | Antenna<br>Gain<br>(dBi) | Max <sup>(1)</sup><br>PSD EIRP<br>[dBm/MHz] |
|-------|----------------|------|---------|----------------|------------|--------------|------------------|----------------------------------------|--------------------------|---------------------------------------------|
| UNII6 | 802.11ax/be20  | MCS0 | 97      | 6435           | FullBW     | SISO A       | -16.32           | -16.32                                 | 5.02                     | -11.3                                       |
| UNII6 | 802.11ax/be20  | MCS0 | 97      | 6435           | FullBW     | SISO B       | -16.38           | -16.38                                 |                          | -11.36                                      |
| UNII6 | 802.11ax/be20  | MCS0 | 97      | 6435           | FullBW     | MIMO A       | -19.37           | -19.37                                 |                          | -14.35                                      |
| UNII6 | 802.11ax/be20  | MCS0 | 97      | 6435           | FullBW     | MIMO B       | -19.46           | -19.46                                 |                          | -14.44                                      |
| UNII6 | 802.11ax/be20  | MCS0 | 97      | 6435           | FullBW     | Combined A+B | -16.40           | -16.40                                 |                          | -11.38                                      |
| UNII6 | 802.11ax/be20  | MCS0 | 105     | 6475           | FullBW     | SISO A       | -16.33           | -16.33                                 |                          | -11.31                                      |
| UNII6 | 802.11ax/be20  | MCS0 | 105     | 6475           | FullBW     | SISO B       | -16.42           | -16.42                                 |                          | -11.4                                       |
| UNII6 | 802.11ax/be20  | MCS0 | 105     | 6475           | FullBW     | MIMO A       | -19.24           | -19.24                                 |                          | -14.22                                      |
| UNII6 | 802.11ax/be20  | MCS0 | 105     | 6475           | FullBW     | MIMO B       | -19.26           | -19.26                                 |                          | -14.24                                      |
| UNII6 | 802.11ax/be20  | MCS0 | 105     | 6475           | FullBW     | Combined A+B | -16.24           | -16.24                                 |                          | -11.22                                      |
| UNII6 | 802.11ax/be20  | MCS0 | 113     | 6515           | FullBW     | SISO A       | -16.41           | -16.41                                 |                          | -11.39                                      |
| UNII6 | 802.11ax/be20  | MCS0 | 113     | 6515           | FullBW     | SISO B       | -16.33           | -16.33                                 |                          | -11.31                                      |
| UNII6 | 802.11ax/be20  | MCS0 | 113     | 6515           | FullBW     | MIMO A       | -19.3            | -19.3                                  |                          | -14.28                                      |
| UNII6 | 802.11ax/be20  | MCS0 | 113     | 6515           | FullBW     | MIMO B       | -19.48           | -19.48                                 |                          | -14.46                                      |
| UNII6 | 802.11ax/be20  | MCS0 | 113     | 6515           | FullBW     | Combined A+B | -16.38           | -16.38                                 |                          | -11.36                                      |
| UNII6 | 802.11ax/be40  | MCS0 | 99      | 6445           | FullBW     | SISO A       | -16.38           | -16.38                                 |                          | -11.36                                      |
| UNII6 | 802.11ax/be40  | MCS0 | 99      | 6445           | FullBW     | SISO B       | -16.23           | -16.23                                 |                          | -11.21                                      |
| UNII6 | 802.11ax/be40  | MCS0 | 99      | 6445           | FullBW     | MIMO A       | -19.14           | -19.14                                 |                          | -14.12                                      |
| UNII6 | 802.11ax/be40  | MCS0 | 99      | 6445           | FullBW     | MIMO B       | -19.14           | -19.14                                 |                          | -14.12                                      |
| UNII6 | 802.11ax/be40  | MCS0 | 99      | 6445           | FullBW     | Combined A+B | -16.13           | -16.13                                 |                          | -11.11                                      |
| UNII6 | 802.11ax/be40  | MCS0 | 107     | 6485           | FullBW     | SISO A       | -16.27           | -16.27                                 |                          | -11.25                                      |
| UNII6 | 802.11ax/be40  | MCS0 | 107     | 6485           | FullBW     | SISO B       | -16.28           | -16.28                                 |                          | -11.26                                      |
| UNII6 | 802.11ax/be40  | MCS0 | 107     | 6485           | FullBW     | MIMO A       | -19.35           | -19.35                                 |                          | -14.33                                      |
| UNII6 | 802.11ax/be40  | MCS0 | 107     | 6485           | FullBW     | MIMO B       | -19.4            | -19.4                                  |                          | -14.38                                      |
| UNII6 | 802.11ax/be40  | MCS0 | 107     | 6485           | FullBW     | Combined A+B | -16.36           | -16.36                                 |                          | -11.34                                      |
| UNII6 | 802.11ax/be40  | MCS0 | 115     | 6525           | FullBW     | SISO A       | -16.31           | -16.31                                 |                          | -11.29                                      |
| UNII6 | 802.11ax/be40  | MCS0 | 115     | 6525           | FullBW     | SISO B       | -16.24           | -16.24                                 |                          | -11.22                                      |
| UNII6 | 802.11ax/be40  | MCS0 | 115     | 6525           | FullBW     | MIMO A       | -19.09           | -19.09                                 |                          | -14.07                                      |
| UNII6 | 802.11ax/be40  | MCS0 | 115     | 6525           | FullBW     | MIMO B       | -19.19           | -19.19                                 |                          | -14.17                                      |
| UNII6 | 802.11ax/be40  | MCS0 | 115     | 6525           | FullBW     | Combined A+B | -16.13           | -16.13                                 |                          | -11.11                                      |
| UNII6 | 802.11ax/be80  | MCS0 | 103     | 6465           | FullBW     | SISO A       | -16.13           | -16.13                                 |                          | -11.11                                      |
| UNII6 | 802.11ax/be80  | MCS0 | 103     | 6465           | FullBW     | SISO B       | -16.42           | -16.42                                 |                          | -11.4                                       |
| UNII6 | 802.11ax/be80  | MCS0 | 103     | 6465           | FullBW     | MIMO A       | -19.23           | -19.23                                 |                          | -14.21                                      |
| UNII6 | 802.11ax/be80  | MCS0 | 103     | 6465           | FullBW     | MIMO B       | -19.45           | -19.45                                 |                          | -14.43                                      |
| UNII6 | 802.11ax/be80  | MCS0 | 103     | 6465           | FullBW     | Combined A+B | -16.33           | -16.33                                 |                          | -11.31                                      |
| UNII6 | 802.11ax/be80  | MCS0 | 119     | 6545           | FullBW     | SISO A       | -16.31           | -16.31                                 |                          | -11.29                                      |
| UNII6 | 802.11ax/be80  | MCS0 | 119     | 6545           | FullBW     | SISO B       | -16.33           | -16.33                                 |                          | -11.31                                      |
| UNII6 | 802.11ax/be80  | MCS0 | 119     | 6545           | FullBW     | MIMO A       | -19.43           | -19.43                                 |                          | -14.41                                      |
| UNII6 | 802.11ax/be80  | MCS0 | 119     | 6545           | FullBW     | MIMO B       | -19.23           | -19.23                                 |                          | -14.21                                      |
| UNII6 | 802.11ax/be80  | MCS0 | 119     | 6545           | FullBW     | Combined A+B | -16.32           | -16.32                                 |                          | -11.30                                      |
| UNII6 | 802.11ax/be160 | MCS0 | 111     | 6505           | FullBW     | SISO A       | -16.46           | -16.46                                 |                          | -11.44                                      |
| UNII6 | 802.11ax/be160 | MCS0 | 111     | 6505           | FullBW     | SISO B       | -16.38           | -16.38                                 |                          | -11.36                                      |
| UNII6 | 802.11ax/be160 | MCS0 | 111     | 6505           | FullBW     | MIMO A       | -19.18           | -19.18                                 |                          | -14.16                                      |
| UNII6 | 802.11ax/be160 | MCS0 | 111     | 6505           | FullBW     | MIMO B       | -19.42           | -19.42                                 |                          | -14.4                                       |
| UNII6 | 802.11ax/be160 | MCS0 | 111     | 6505           | FullBW     | Combined A+B | -16.29           | -16.29                                 |                          | -11.27                                      |
| UNII6 | 802.11be320    | MCS0 | 95      | 6425           | FullBW     | SISO A       | -16.23           | -16.23                                 |                          | -11.21                                      |

| UNII  | Mode_BW     | Rate | Channel | Freq.<br>[MHz] | RU config. | Antenna      | PSD<br>[dBm/MHz] | Max <sup>(1)</sup><br>PSD<br>[dBm/MHz] | Antenna<br>Gain<br>(dBi) | Max <sup>(1)</sup><br>PSD EIRP<br>[dBm/MHz] |
|-------|-------------|------|---------|----------------|------------|--------------|------------------|----------------------------------------|--------------------------|---------------------------------------------|
| UNII6 | 802.11be320 | MCS0 | 95      | 6425           | FullBW     | SISO B       | -16.38           | -16.38                                 |                          | -11.36                                      |
| UNII6 | 802.11be320 | MCS0 | 95      | 6425           | FullBW     | MIMO A       | -19.29           | -19.29                                 |                          | -14.27                                      |
| UNII6 | 802.11be320 | MCS0 | 95      | 6425           | FullBW     | MIMO B       | -19.46           | -19.46                                 |                          | -14.44                                      |
| UNII6 | 802.11be320 | MCS0 | 95      | 6425           | FullBW     | Combined A+B | -16.36           | -16.36                                 |                          | -11.34                                      |
| UNII6 | 802.11be320 | MCS0 | 127     | 6585           | FullBW     | SISO A       | -16.32           | -16.32                                 |                          | -11.3                                       |
| UNII6 | 802.11be320 | MCS0 | 127     | 6585           | FullBW     | SISO B       | -16.38           | -16.38                                 |                          | -11.36                                      |
| UNII6 | 802.11be320 | MCS0 | 127     | 6585           | FullBW     | MIMO A       | -19.37           | -19.37                                 |                          | -14.35                                      |
| UNII6 | 802.11be320 | MCS0 | 127     | 6585           | FullBW     | MIMO B       | -19.46           | -19.46                                 |                          | -14.44                                      |
| UNII6 | 802.11be320 | MCS0 | 127     | 6585           | FullBW     | Combined A+B | -16.40           | -16.40                                 |                          | -11.38                                      |

<sup>(2)</sup> Value compensated with the duty cycle.

## UNII7

| UNII  | Mode_BW        | Rate | Channel | Freq. [MHz] | RU config. | Antenna      | PSD [dBm/MHz] | Max <sup>(1)</sup> PSD [dBm/MHz] | Antenna Gain (dBi) | Max <sup>(1)</sup> PSD EIRP [dBm/MHz] |
|-------|----------------|------|---------|-------------|------------|--------------|---------------|----------------------------------|--------------------|---------------------------------------|
| UNII7 | 802.11ax/be20  | MCS0 | 117     | 6535        | FullBW     | SISO A       | -16.33        | -16.33                           | 5.02               | -11.31                                |
| UNII7 | 802.11ax/be20  | MCS0 | 117     | 6535        | FullBW     | SISO B       | -16.46        | -16.46                           |                    | -11.44                                |
| UNII7 | 802.11ax/be20  | MCS0 | 117     | 6535        | FullBW     | MIMO A       | -19.34        | -19.34                           |                    | -14.32                                |
| UNII7 | 802.11ax/be20  | MCS0 | 117     | 6535        | FullBW     | MIMO B       | -19.33        | -19.33                           |                    | -14.31                                |
| UNII7 | 802.11ax/be20  | MCS0 | 117     | 6535        | FullBW     | Combined A+B | -16.32        | -16.32                           |                    | -11.30                                |
| UNII7 | 802.11ax/be20  | MCS0 | 149     | 6695        | FullBW     | SISO A       | -16.18        | -16.18                           |                    | -11.16                                |
| UNII7 | 802.11ax/be20  | MCS0 | 149     | 6695        | FullBW     | SISO B       | -16.17        | -16.17                           |                    | -11.15                                |
| UNII7 | 802.11ax/be20  | MCS0 | 149     | 6695        | FullBW     | MIMO A       | -19.2         | -19.2                            |                    | -14.18                                |
| UNII7 | 802.11ax/be20  | MCS0 | 149     | 6695        | FullBW     | MIMO B       | -19.22        | -19.22                           |                    | -14.2                                 |
| UNII7 | 802.11ax/be20  | MCS0 | 149     | 6695        | FullBW     | Combined A+B | -16.20        | -16.20                           |                    | -11.18                                |
| UNII7 | 802.11ax/be20  | MCS0 | 181     | 6855        | FullBW     | SISO A       | -16.45        | -16.45                           |                    | -11.43                                |
| UNII7 | 802.11ax/be20  | MCS0 | 181     | 6855        | FullBW     | SISO B       | -16.25        | -16.25                           |                    | -11.23                                |
| UNII7 | 802.11ax/be20  | MCS0 | 181     | 6855        | FullBW     | MIMO A       | -19.19        | -19.19                           |                    | -14.17                                |
| UNII7 | 802.11ax/be20  | MCS0 | 181     | 6855        | FullBW     | MIMO B       | -19.34        | -19.34                           |                    | -14.32                                |
| UNII7 | 802.11ax/be20  | MCS0 | 181     | 6855        | FullBW     | Combined A+B | -16.25        | -16.25                           |                    | -11.23                                |
| UNII7 | 802.11ax/be40  | MCS0 | 123     | 6565        | FullBW     | SISO A       | -16.29        | -16.29                           |                    | -11.27                                |
| UNII7 | 802.11ax/be40  | MCS0 | 123     | 6565        | FullBW     | SISO B       | -16.35        | -16.35                           |                    | -11.33                                |
| UNII7 | 802.11ax/be40  | MCS0 | 123     | 6565        | FullBW     | MIMO A       | -19.26        | -19.26                           |                    | -14.24                                |
| UNII7 | 802.11ax/be40  | MCS0 | 123     | 6565        | FullBW     | MIMO B       | -19.42        | -19.42                           |                    | -14.4                                 |
| UNII7 | 802.11ax/be40  | MCS0 | 123     | 6565        | FullBW     | Combined A+B | -16.33        | -16.33                           |                    | -11.31                                |
| UNII7 | 802.11ax/be40  | MCS0 | 147     | 6685        | FullBW     | SISO A       | -16.11        | -16.11                           |                    | -11.09                                |
| UNII7 | 802.11ax/be40  | MCS0 | 147     | 6685        | FullBW     | SISO B       | -16.37        | -16.37                           |                    | -11.35                                |
| UNII7 | 802.11ax/be40  | MCS0 | 147     | 6685        | FullBW     | MIMO A       | -19.41        | -19.41                           |                    | -14.39                                |
| UNII7 | 802.11ax/be40  | MCS0 | 147     | 6685        | FullBW     | MIMO B       | -19.24        | -19.24                           |                    | -14.22                                |
| UNII7 | 802.11ax/be40  | MCS0 | 147     | 6685        | FullBW     | Combined A+B | -16.31        | -16.31                           |                    | -11.29                                |
| UNII7 | 802.11ax/be40  | MCS0 | 179     | 6845        | FullBW     | SISO A       | -16.42        | -16.42                           |                    | -11.4                                 |
| UNII7 | 802.11ax/be40  | MCS0 | 179     | 6845        | FullBW     | SISO B       | -16.23        | -16.23                           |                    | -11.21                                |
| UNII7 | 802.11ax/be40  | MCS0 | 179     | 6845        | FullBW     | MIMO A       | -19.1         | -19.1                            |                    | -14.08                                |
| UNII7 | 802.11ax/be40  | MCS0 | 179     | 6845        | FullBW     | MIMO B       | -19.35        | -19.35                           |                    | -14.33                                |
| UNII7 | 802.11ax/be40  | MCS0 | 179     | 6845        | FullBW     | Combined A+B | -16.21        | -16.21                           |                    | -11.19                                |
| UNII7 | 802.11ax/be80  | MCS0 | 135     | 6625        | FullBW     | SISO A       | -16.43        | -16.43                           |                    | -11.41                                |
| UNII7 | 802.11ax/be80  | MCS0 | 135     | 6625        | FullBW     | SISO B       | -16.41        | -16.41                           |                    | -11.39                                |
| UNII7 | 802.11ax/be80  | MCS0 | 135     | 6625        | FullBW     | MIMO A       | -19.15        | -19.15                           |                    | -14.13                                |
| UNII7 | 802.11ax/be80  | MCS0 | 135     | 6625        | FullBW     | MIMO B       | -19.23        | -19.23                           |                    | -14.21                                |
| UNII7 | 802.11ax/be80  | MCS0 | 135     | 6625        | FullBW     | Combined A+B | -16.18        | -16.18                           |                    | -11.16                                |
| UNII7 | 802.11ax/be80  | MCS0 | 151     | 6705        | FullBW     | SISO A       | -16.29        | -16.29                           |                    | -11.27                                |
| UNII7 | 802.11ax/be80  | MCS0 | 151     | 6705        | FullBW     | SISO B       | -16.44        | -16.44                           |                    | -11.42                                |
| UNII7 | 802.11ax/be80  | MCS0 | 151     | 6705        | FullBW     | MIMO A       | -19.21        | -19.21                           |                    | -14.19                                |
| UNII7 | 802.11ax/be80  | MCS0 | 151     | 6705        | FullBW     | MIMO B       | -19.26        | -19.26                           |                    | -14.24                                |
| UNII7 | 802.11ax/be80  | MCS0 | 151     | 6705        | FullBW     | Combined A+B | -16.22        | -16.22                           |                    | -11.20                                |
| UNII7 | 802.11ax/be80  | MCS0 | 167     | 6785        | FullBW     | SISO A       | -16.17        | -16.17                           |                    | -11.15                                |
| UNII7 | 802.11ax/be80  | MCS0 | 167     | 6785        | FullBW     | SISO B       | -16.26        | -16.26                           |                    | -11.24                                |
| UNII7 | 802.11ax/be80  | MCS0 | 167     | 6785        | FullBW     | MIMO A       | -19.48        | -19.48                           |                    | -14.46                                |
| UNII7 | 802.11ax/be80  | MCS0 | 167     | 6785        | FullBW     | MIMO B       | -19.45        | -19.45                           |                    | -14.43                                |
| UNII7 | 802.11ax/be80  | MCS0 | 167     | 6785        | FullBW     | Combined A+B | -16.45        | -16.45                           |                    | -11.43                                |
| UNII7 | 802.11ax/be160 | MCS0 | 143     | 6665        | FullBW     | SISO A       | -16.33        | -16.33                           |                    | -11.31                                |

| UNII  | Mode_BW        | Rate | Channel | Freq.<br>[MHz] | RU config. | Antenna      | PSD<br>[dBm/MHz] | Max <sup>(1)</sup><br>PSD<br>[dBm/MHz] | Antenna<br>Gain<br>(dBi) | Max <sup>(1)</sup><br>PSD EIRP<br>[dBm/MHz] |
|-------|----------------|------|---------|----------------|------------|--------------|------------------|----------------------------------------|--------------------------|---------------------------------------------|
| UNII7 | 802.11ax/be160 | MCS0 | 143     | 6665           | FullBW     | SISO B       | -16.46           | -16.46                                 |                          | -11.44                                      |
| UNII7 | 802.11ax/be160 | MCS0 | 143     | 6665           | FullBW     | MIMO A       | -19.34           | -19.34                                 |                          | -14.32                                      |
| UNII7 | 802.11ax/be160 | MCS0 | 143     | 6665           | FullBW     | MIMO B       | -19.33           | -19.33                                 |                          | -14.31                                      |
| UNII7 | 802.11ax/be160 | MCS0 | 143     | 6665           | FullBW     | Combined A+B | -16.32           | -16.32                                 |                          | -11.30                                      |

<sup>(2)</sup> Value compensated with the duty cycle

# UNII8

| UNII  | Mode_BW        | Rate | Channel | Freq. [MHz] | RU config. | Antenna      | PSD [dBm/MHz] | Max <sup>(1)</sup> PSD [dBm/MHz] | Antenna Gain (dBi) | Max <sup>(1)</sup> PSD EIRP [dBm/MHz] |
|-------|----------------|------|---------|-------------|------------|--------------|---------------|----------------------------------|--------------------|---------------------------------------|
| UNII8 | 802.11ax/be20  | MCS0 | 185     | 6875        | FullBW     | SISO A       | -16.23        | -16.23                           | 5.02               | -11.21                                |
|       | 802.11ax/be20  | MCS0 | 185     | 6875        | FullBW     | SISO B       | -16.27        | -16.27                           |                    | -11.25                                |
|       | 802.11ax/be20  | MCS0 | 185     | 6875        | FullBW     | MIMO A       | -19.29        | -19.29                           |                    | -14.27                                |
|       | 802.11ax/be20  | MCS0 | 185     | 6875        | FullBW     | MIMO B       | -19.17        | -19.17                           |                    | -14.15                                |
|       | 802.11ax/be20  | MCS0 | 185     | 6875        | FullBW     | Combined A+B | -16.22        | -16.22                           |                    | -11.20                                |
|       | 802.11ax/be20  | MCS0 | 209     | 6995        | FullBW     | SISO A       | -16.08        | -16.08                           |                    | -11.06                                |
|       | 802.11ax/be20  | MCS0 | 209     | 6995        | FullBW     | SISO B       | -16.39        | -16.39                           |                    | -11.37                                |
|       | 802.11ax/be20  | MCS0 | 209     | 6995        | FullBW     | MIMO A       | -19.08        | -19.08                           |                    | -14.06                                |
|       | 802.11ax/be20  | MCS0 | 209     | 6995        | FullBW     | MIMO B       | -19.36        | -19.36                           |                    | -14.34                                |
|       | 802.11ax/be20  | MCS0 | 209     | 6995        | FullBW     | Combined A+B | -16.21        | -16.21                           |                    | -11.19                                |
|       | 802.11ax/be20  | MCS0 | 229     | 7095        | FullBW     | SISO A       | -16.35        | -16.35                           |                    | -11.33                                |
|       | 802.11ax/be20  | MCS0 | 229     | 7095        | FullBW     | SISO B       | -16.23        | -16.23                           |                    | -11.21                                |
|       | 802.11ax/be20  | MCS0 | 229     | 7095        | FullBW     | MIMO A       | -19.17        | -19.17                           |                    | -14.15                                |
|       | 802.11ax/be20  | MCS0 | 229     | 7095        | FullBW     | MIMO B       | -19.26        | -19.26                           |                    | -14.24                                |
|       | 802.11ax/be20  | MCS0 | 229     | 7095        | FullBW     | Combined A+B | -16.20        | -16.20                           |                    | -11.18                                |
|       | 802.11ax/be20  | MCS0 | 233     | 7115        | FullBW     | SISO A       | -16.24        | -16.24                           |                    | -11.22                                |
|       | 802.11ax/be20  | MCS0 | 233     | 7115        | FullBW     | SISO B       | -16.32        | -16.32                           |                    | -11.30                                |
|       | 802.11ax/be20  | MCS0 | 233     | 7115        | FullBW     | MIMO A       | -19.32        | -19.32                           |                    | -14.3                                 |
|       | 802.11ax/be20  | MCS0 | 233     | 7115        | FullBW     | MIMO B       | -19.25        | -19.25                           |                    | -14.23                                |
|       | 802.11ax/be20  | MCS0 | 233     | 7115        | FullBW     | Combined A+B | -16.27        | -16.27                           |                    | -11.25                                |
|       | 802.11ax/be40  | MCS0 | 187     | 6885        | FullBW     | SISO A       | -16.17        | -16.17                           |                    | -11.15                                |
|       | 802.11ax/be40  | MCS0 | 187     | 6885        | FullBW     | SISO B       | -16.35        | -16.35                           |                    | -11.33                                |
|       | 802.11ax/be40  | MCS0 | 187     | 6885        | FullBW     | MIMO A       | -19.12        | -19.12                           |                    | -14.1                                 |
|       | 802.11ax/be40  | MCS0 | 187     | 6885        | FullBW     | MIMO B       | -19.22        | -19.22                           |                    | -14.2                                 |
|       | 802.11ax/be40  | MCS0 | 187     | 6885        | FullBW     | Combined A+B | -16.16        | -16.16                           |                    | -11.14                                |
|       | 802.11ax/be40  | MCS0 | 227     | 7085        | FullBW     | SISO A       | -16.22        | -16.22                           |                    | -11.2                                 |
|       | 802.11ax/be40  | MCS0 | 227     | 7085        | FullBW     | SISO B       | -16.23        | -16.23                           |                    | -11.21                                |
|       | 802.11ax/be40  | MCS0 | 227     | 7085        | FullBW     | MIMO A       | -19.81        | -19.81                           |                    | -14.79                                |
|       | 802.11ax/be40  | MCS0 | 227     | 7085        | FullBW     | MIMO B       | -19.41        | -19.41                           |                    | -14.39                                |
|       | 802.11ax/be40  | MCS0 | 227     | 7085        | FullBW     | Combined A+B | -16.60        | -16.60                           |                    | -11.58                                |
|       | 802.11ax/be80  | MCS0 | 183     | 6865        | FullBW     | SISO A       | -16.13        | -16.13                           |                    | -11.11                                |
|       | 802.11ax/be80  | MCS0 | 183     | 6865        | FullBW     | SISO B       | -16.19        | -16.19                           |                    | -11.17                                |
|       | 802.11ax/be80  | MCS0 | 183     | 6865        | FullBW     | MIMO A       | -19.16        | -19.16                           |                    | -14.14                                |
|       | 802.11ax/be80  | MCS0 | 183     | 6865        | FullBW     | MIMO B       | -19.29        | -19.29                           |                    | -14.27                                |
|       | 802.11ax/be80  | MCS0 | 183     | 6865        | FullBW     | Combined A+B | -16.21        | -16.21                           |                    | -11.19                                |
|       | 802.11ax/be80  | MCS0 | 199     | 6945        | FullBW     | SISO A       | -16.24        | -16.24                           |                    | -11.22                                |
|       | 802.11ax/be80  | MCS0 | 199     | 6945        | FullBW     | SISO B       | -16.34        | -16.34                           |                    | -11.32                                |
|       | 802.11ax/be80  | MCS0 | 199     | 6945        | FullBW     | MIMO A       | -19.26        | -19.26                           |                    | -14.24                                |
|       | 802.11ax/be80  | MCS0 | 199     | 6945        | FullBW     | MIMO B       | -19.29        | -19.29                           |                    | -14.27                                |
|       | 802.11ax/be80  | MCS0 | 199     | 6945        | FullBW     | Combined A+B | -16.26        | -16.26                           |                    | -11.24                                |
|       | 802.11ax/be80  | MCS0 | 215     | 7025        | FullBW     | SISO A       | -16.19        | -16.19                           |                    | -11.17                                |
|       | 802.11ax/be80  | MCS0 | 215     | 7025        | FullBW     | SISO B       | -16.12        | -16.12                           |                    | -11.1                                 |
|       | 802.11ax/be80  | MCS0 | 215     | 7025        | FullBW     | MIMO A       | -19.32        | -19.32                           |                    | -14.3                                 |
|       | 802.11ax/be80  | MCS0 | 215     | 7025        | FullBW     | MIMO B       | -19.14        | -19.14                           |                    | -14.12                                |
|       | 802.11ax/be80  | MCS0 | 215     | 7025        | FullBW     | Combined A+B | -16.22        | -16.22                           |                    | -11.20                                |
|       | 802.11ax/be160 | MCS0 | 207     | 6985        | FullBW     | SISO A       | -16.2         | -16.2                            |                    | -11.18                                |

| UNII | Mode_BW        | Rate | Channel | Freq.<br>[MHz] | RU config. | Antenna      | PSD<br>[dBm/MHz] | Max <sup>(1)</sup><br>PSD<br>[dBm/MHz] | Antenna<br>Gain<br>(dBi) | Max <sup>(1)</sup><br>PSD EIRP<br>[dBm/MHz] |
|------|----------------|------|---------|----------------|------------|--------------|------------------|----------------------------------------|--------------------------|---------------------------------------------|
|      | 802.11ax/be160 | MCS0 | 207     | 6985           | FullBW     | SISO B       | -16.27           | -16.27                                 |                          | -11.25                                      |
|      | 802.11ax/be160 | MCS0 | 207     | 6985           | FullBW     | MIMO A       | -19.4            | -19.4                                  |                          | -14.38                                      |
|      | 802.11ax/be160 | MCS0 | 207     | 6985           | FullBW     | MIMO B       | -19.09           | -19.09                                 |                          | -14.07                                      |
|      | 802.11ax/be160 | MCS0 | 207     | 6985           | FullBW     | Combined A+B | -16.23           | -16.23                                 |                          | -11.21                                      |
|      | 802.11be320    | MCS0 | 191     | 6905           | FullBW     | SISO A       | -16.25           | -16.25                                 |                          | -11.23                                      |
|      | 802.11be320    | MCS0 | 191     | 6905           | FullBW     | SISO B       | -16.29           | -16.29                                 |                          | -11.27                                      |
|      | 802.11be320    | MCS0 | 191     | 6905           | FullBW     | MIMO A       | -19.18           | -19.18                                 |                          | -14.16                                      |
|      | 802.11be320    | MCS0 | 191     | 6905           | FullBW     | MIMO B       | -19.11           | -19.11                                 |                          | -14.09                                      |
|      | 802.11be320    | MCS0 | 191     | 6905           | FullBW     | Combined A+B | -16.13           | -16.13                                 |                          | -11.11                                      |

<sup>(2)</sup> Value compensated with the duty cycle

## B.2.4 Emissions mask

### Test limits

| FCC part          | RSS part                | Limits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 15.407 (b)<br>(6) | RSS-248<br>Clause 4.6.2 | <ul style="list-style-type: none"> <li>▪ For transmitters operating within the 5.925–7.125 GHz bands: Power spectral density must be suppressed: <ul style="list-style-type: none"> <li>○ by 20 dB at 1 MHz outside of channel edge,</li> <li>○ by 28 dB at one channel bandwidth from the channel center, and</li> <li>○ by 40 dB at one- and one-half times the channel bandwidth away from channel center.</li> </ul> </li> <li>▪ At frequencies between one megahertz outside an unlicensed device's channel edge and one channel bandwidth from the center of the channel, the limits must be linearly interpolated between 20 dB and 28 dB suppression, and</li> <li>▪ at frequencies between one and one- and onehalf times an unlicensed device's channel bandwidth, the limits must be linearly interpolated between 28 dB and 40 dB suppression.</li> </ul> <p>Emissions removed from the channel center by more than one- and one-half times the channel bandwidth must be suppressed by at least 40 dB.</p> |

### Test procedure

The conducted setup shown in section *Test & System Description* was used to measure the unwanted mask emissions. The antenna terminal of the EUT is connected to the spectrum analyzer through an attenuator, and the spectrum analyzer reading is compensated to include the RF path loss and the declared antenna gain.

The nominal bandwidth was used to construct the mask according to KDB 987594 D02.

**See Section C.1.3 for the screenshot results.**

## B.2.5 Frequency stability

### Test limits

| FCC part   | RSS part                                | Limits                                                                                                                                                                                                                    |
|------------|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 15.407 (g) | RSS-Gen issue<br>5 - A1- clause<br>6.11 | The frequency stability shall be sufficient to ensure that the occupied bandwidth of the device stays within the 5925-7125MHz frequency band when the stability is tested at the temperature and supply voltage variation |

### Test procedure

The conducted setups shown in in section *Test & System Description* were used to verify that the occupied bandwidth 99% of the device stays within the 5925-7125MHz frequency band

**See Test Report 231109-03.TR12 for the test and screenshot results.**

## B.2.6 Contention-based protocol

### Test limits

Indoor access points, subordinate devices and client devices operating in the 5.925-7.125 GHz band are required to use technologies that include a contention-based protocol to avoid co-channel interference with incumbent devices sharing the band. To ensure incumbent co-channel operations are detected in a technology-agnostic manner, unlicensed devices are required to detect co-channel radio frequency energy (energy detect) and avoid simultaneous transmission.

Unlicensed indoor low-power devices must detect co-channel radio frequency power that is at least -62 dBm or lower. Upon detection of energy in the band, unlicensed low power indoor devices must vacate the channel and stay off the channel as long as detected radio frequency power is equal to or greater than the threshold (-62 dBm).

### Test procedure

The contention-based protocol setup shown in section *Test & System Description* was used to measure the contention-based protocol. The EUT ceased transmission when the AWGN source signal level described in table result below is set to transmit.

Incumbent signal is emulated by using a 10MHz bandwidth AWGN source generated by the vector signal generator. The EUT is transmitting at the maximum possible payload and the spectrum analyzer monitors the transmissions in response to the AWGN signal. Insertion loss of the test setup were considered on the spectrum analyser reading.

**See Test Report 231109-03.TR12 for the test and screenshot results.**

**B.2.7 Undesirable emission limits : out of band (Conducted)**Test limits

| FCC part       | RSS Part             | Limits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 15.407 (b) (5) | RSS-248 Clause 4.6.2 | For transmitters operating within the 5.925-7.125 GHz band: Any emissions outside of the 5.925-7.125 GHz band must not exceed an e.i.r.p. of -27 dBm/MHz.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 15.35 (b)      | -                    | Unless otherwise specified, on any frequency or frequencies above 1000 MHz, the radiated emission limits are based on the use of measurement instrumentation employing an average detector function. Unless otherwise specified, measurements above 1000 MHz shall be performed using a minimum resolution bandwidth of 1 MHz. When average radiated emission measurements are specified in this part, including average emission measurements below 1000 MHz, there also is a limit on the peak level of the radio frequency emissions. Unless otherwise specified, e.g., see §§ 15.250, 15.252, 15.253(d), 15.255, 15.256, and 15.509 through 15.519, the limit on peak radio frequency emissions is 20 dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device, e.g., the total peak power level |

Test procedure

The conducted setup shown in section *Test & System Description* was used to measure undesirable emissions on the out of band domain. The antenna terminal of the EUT is connected to the spectrum analyzer through an attenuator, and the spectrum analyzer reading is compensated to include the RF path loss and the declared antenna gain.

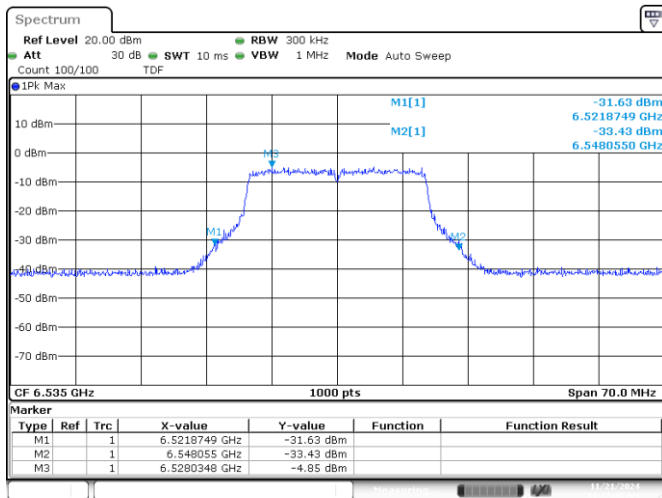
For the lower and upper side of the out of band, the integration method was used as defined in the out of band measurements section II.G.3.d of KDB 789033. Tests were performed using both RMS and peak detectors.

For out of band emission measurements in MIMO mode the emission level of individual output is adjusted by  $10 \log(N_{\text{ant}}) = 3\text{dB}$  for  $N_{\text{ant}} = 2$  which is equivalent to compare the individual output emission level to the limit minus 3dB. The same approach is applied for peak and RMS detectors.

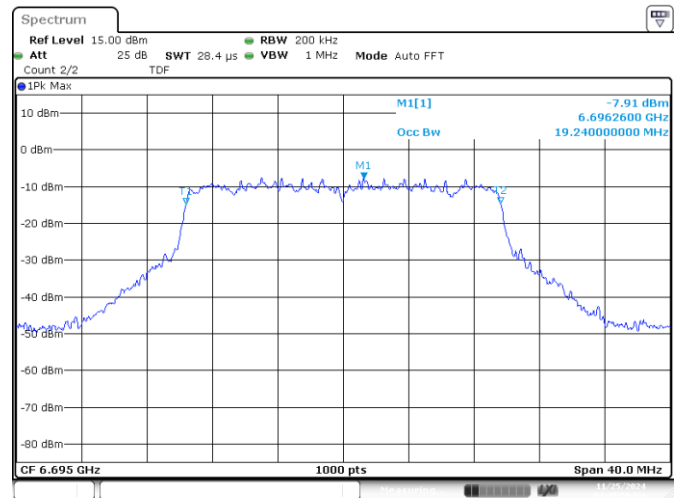
**See Annex C.1.4 for the screenshot results.**

# Annex C. System Plots

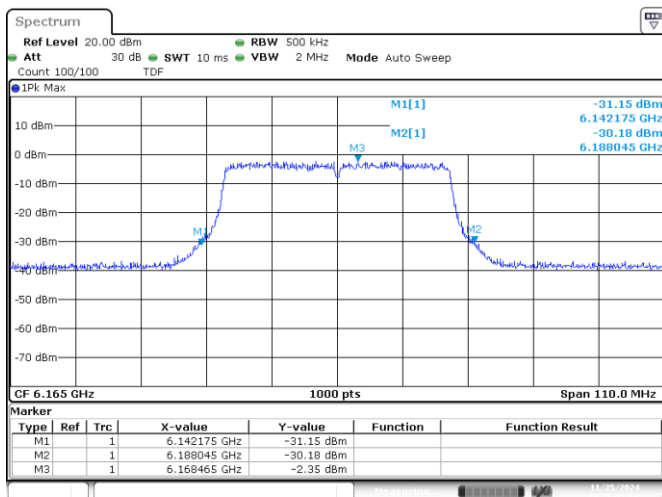
## C.1.1 26dB & 99% bandwidth



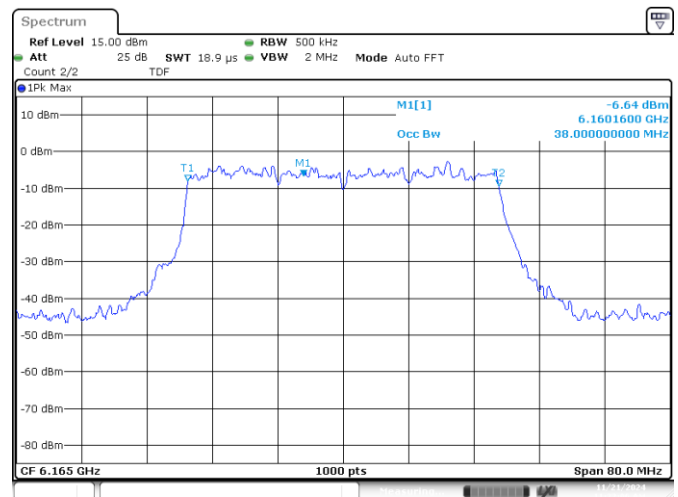
UNII7 SISO A 802.11ax/be20 ch117 6535MHz 26dB



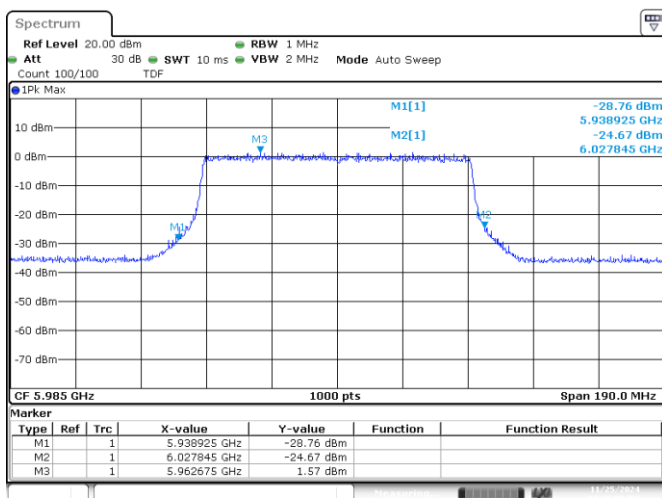
UNII7 SISO B 802.11ax/be20 ch149 6695MHz 99%



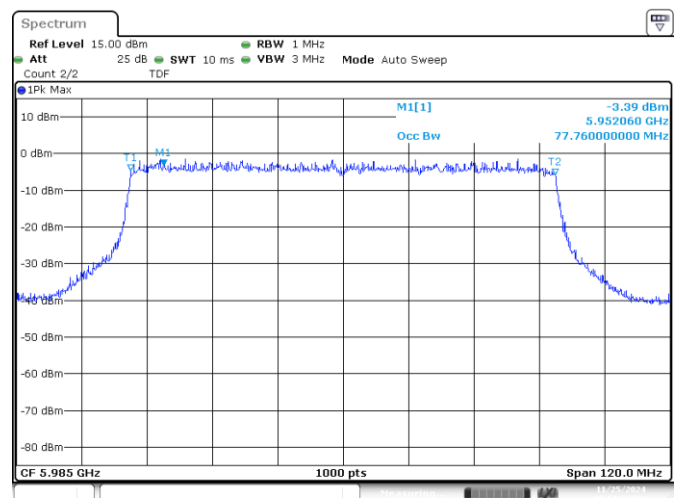
UNII5 SISO B 802.11ax/be40 ch43 6165MHz 26dB



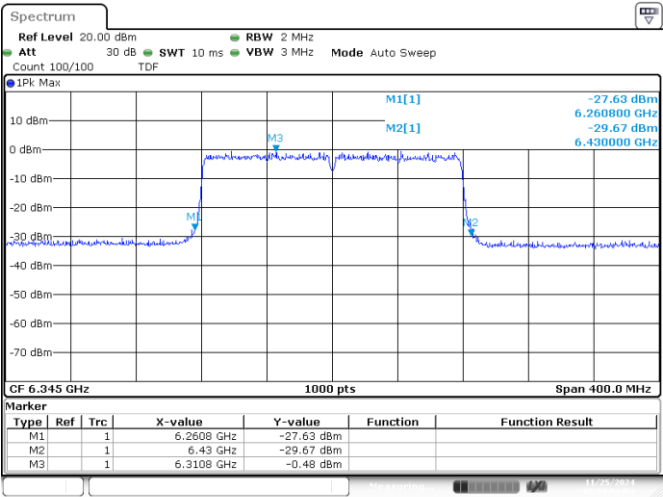
UNII5 SISO A 802.11ax/be40 ch43 6165MHz 99%



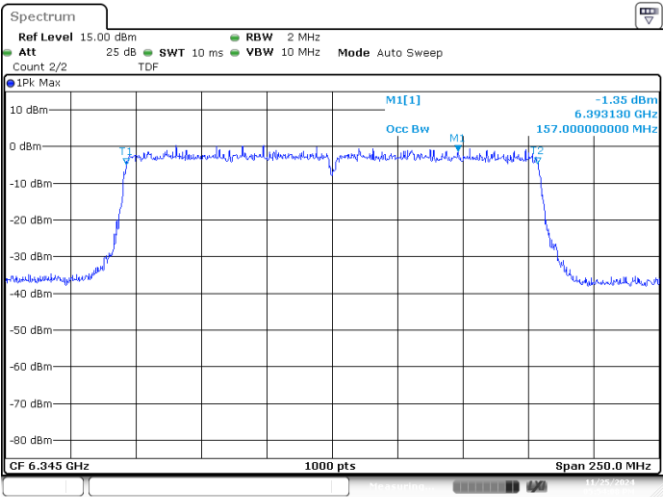
UNII5 SISO B 802.11ax/be80 ch7 5985MHz 26dB



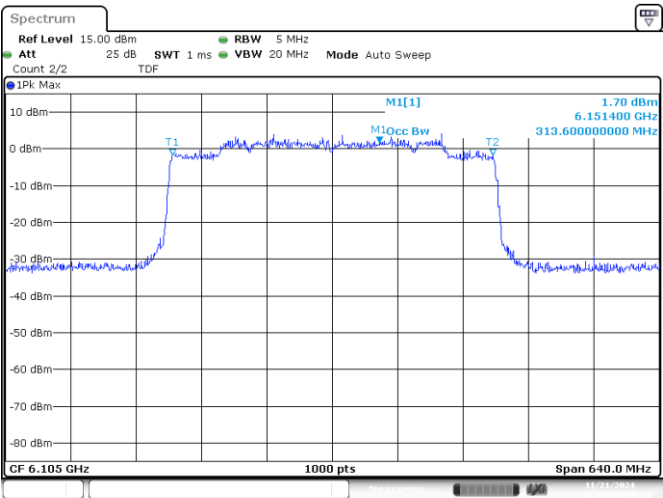
UNII5 MIMO B 802.11ax/be80 ch7 5985MHz 99%



UNII5 MIMO B 802.11ax/be160 ch79 6345MHz 26dB

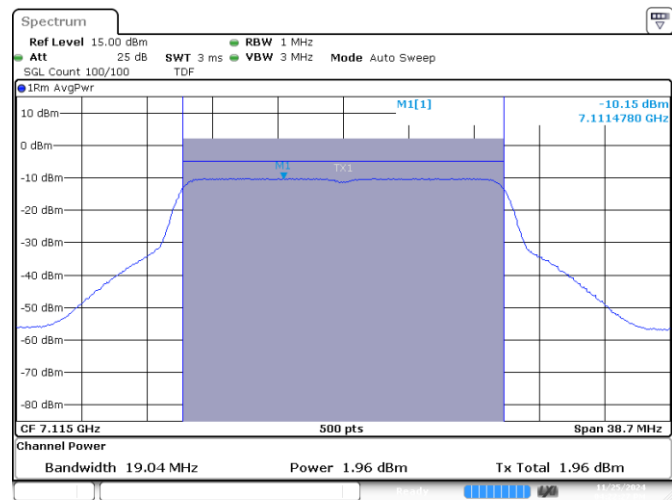


UNII5 MIMO B 802.11ax/be160 ch79 6345MHz 99%

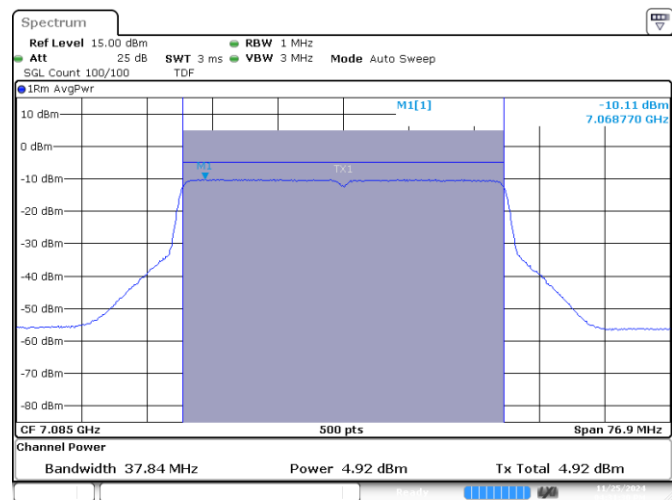


UNII5 SISO A 802.11be320 ch31 6105MHz 99%

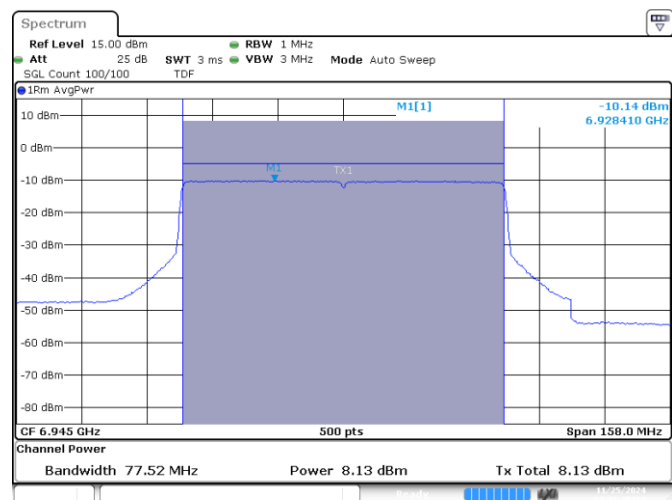
### C.1.2 Maximum Output Power & Maximum power spectral Density



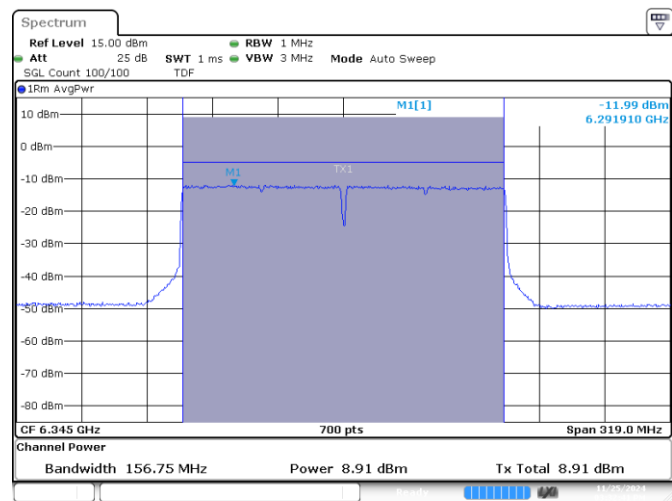
SISO B-802.11ax/be-20MHz-Ch233-7115MHz-MCS0



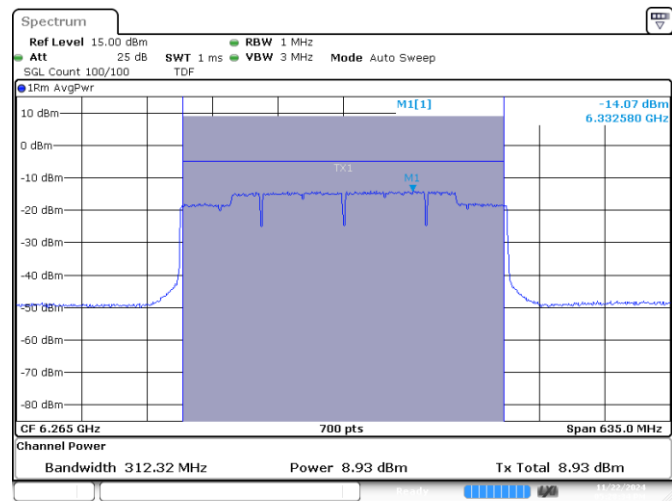
SISO B-802.11ax/be-40MHz-Ch227-7085MHz-MCS0



SISO B-802.11ax/be-80MHz-Ch199-6945MHz-MCS0

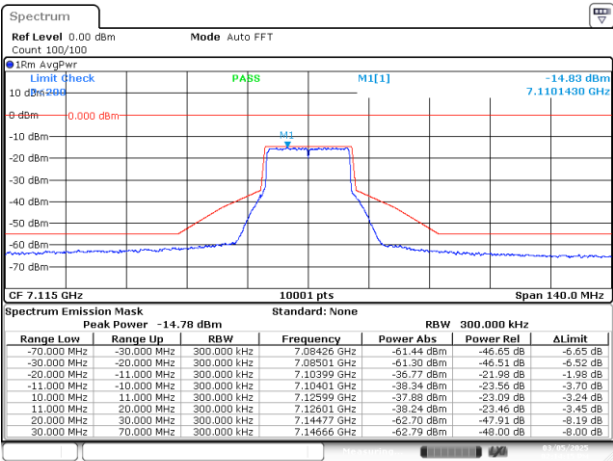


SISO B-802.11ax/be-160MHz-Ch79-6345MHz-MCS0

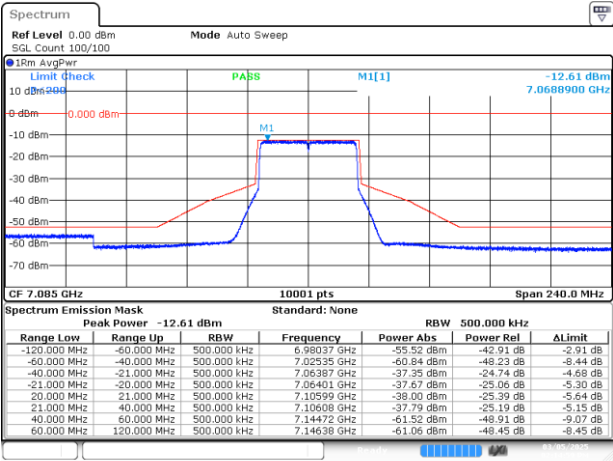


SISO A-802.11be-320MHz-Ch63-6105MHz-MCS0

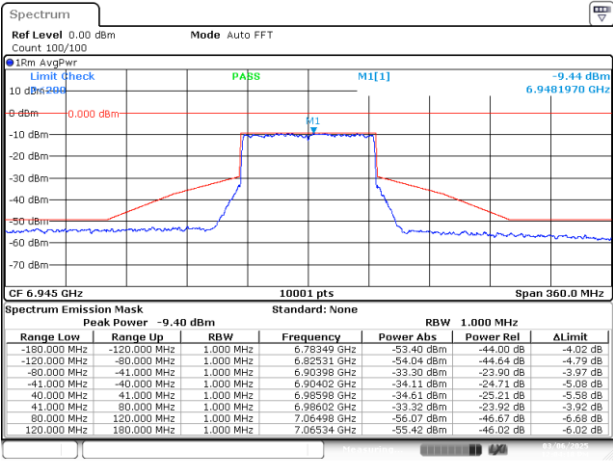
### C.1.3 Emission Mask



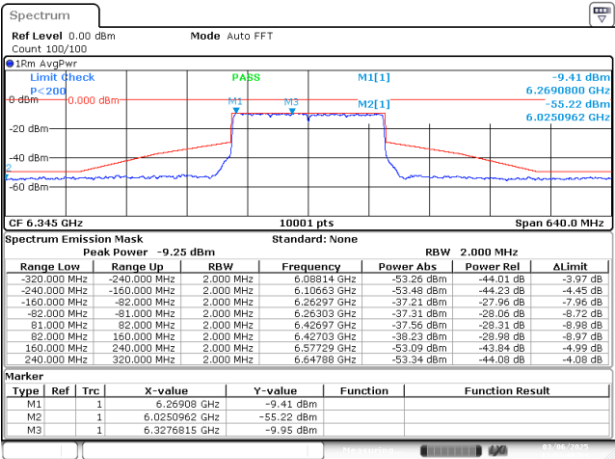
SISO B-802.11ax/be-20MHz-Ch233-7115MHz-MCS0



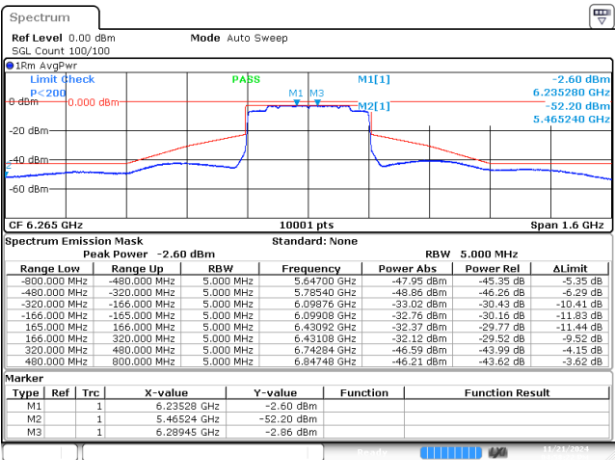
SISO B-802.11ax/be-40MHz-Ch227-7085MHz-MCS0



SISO B-802.11ax/be-80MHz-Ch199-6945MHz-MCS0

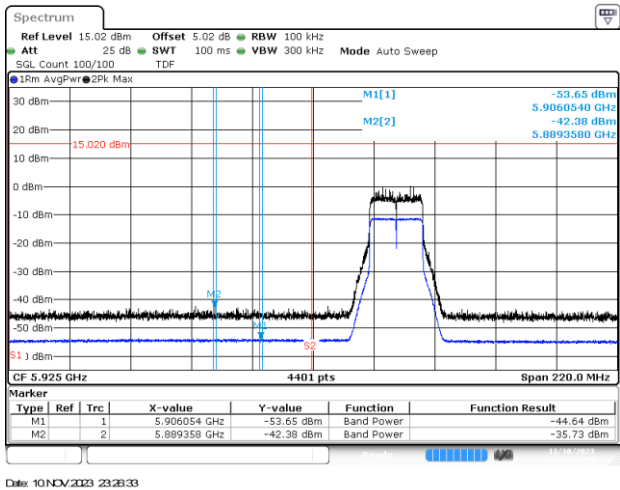


SISO B-802.11ax/be-160MHz-Ch79-6345MHz-MCS0

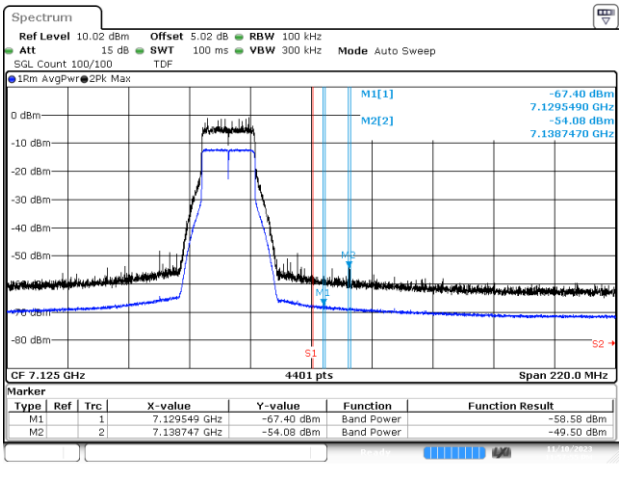


SISO A-802.11be-320MHz-Ch63-6105MHz-MCS0

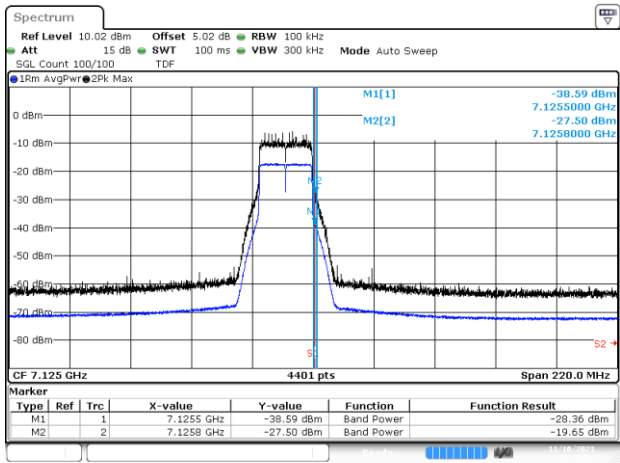
### C.1.4 Undesirable emission limits : out of band (Conducted)



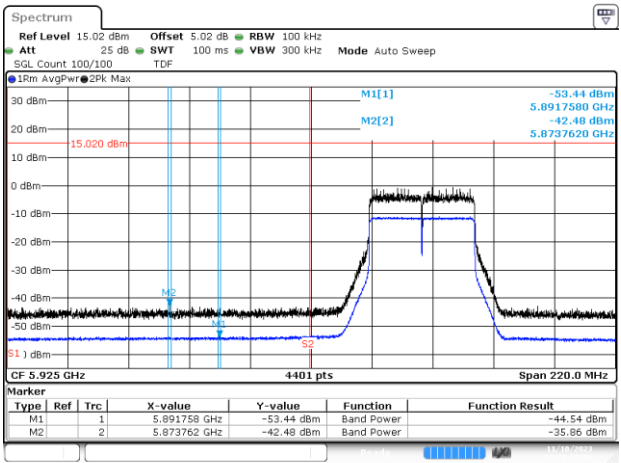
BE-NR-LOW, SISO-A, 802.11ax20-HE0, Ch1



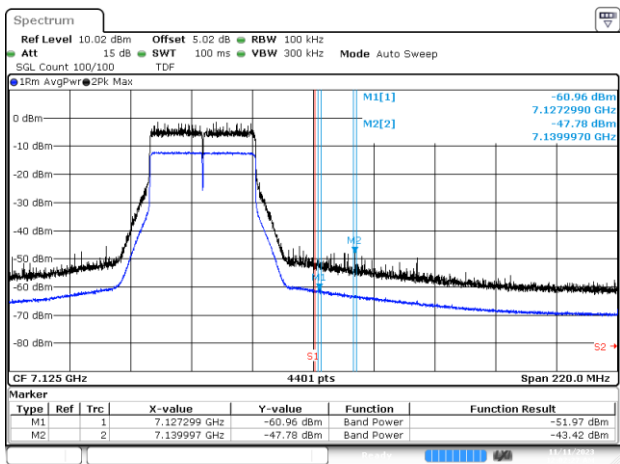
BE-NR-HIGH, SISO-A, 802.11ax20-HE0, Ch229



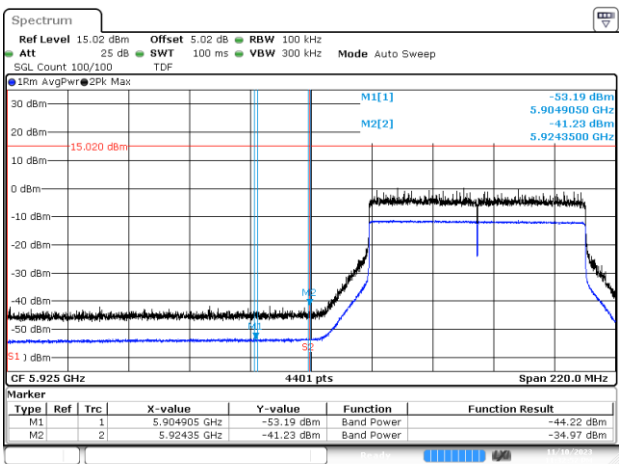
BE-NR-HIGH, SISO-A, 802.11ax20-HE0, Ch233



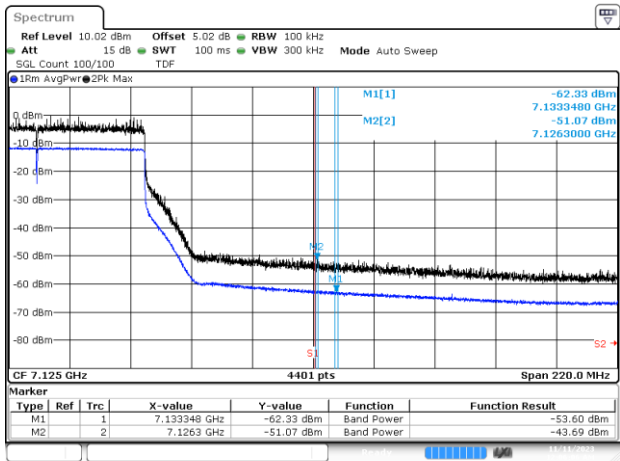
BE-NR-LOW, SISO-A, 802.11ax40-HE0, Ch3



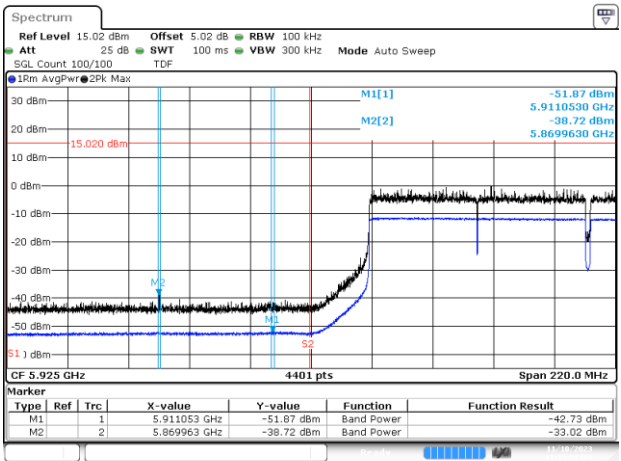
BE-NR-HIGH, SISO-A, 802.11ax40-HE0, Ch227



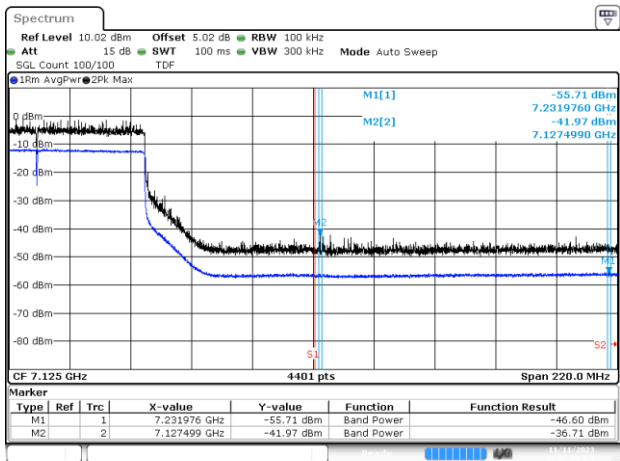
BE-NR-LOW, SISO-A, 802.11ax80-HE0, Ch7



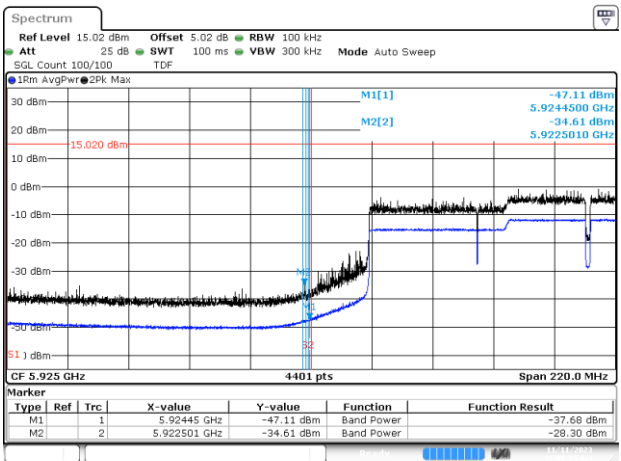
BE-NR-HIGH, SISO-A, 802.11ax80-HE0, Ch215



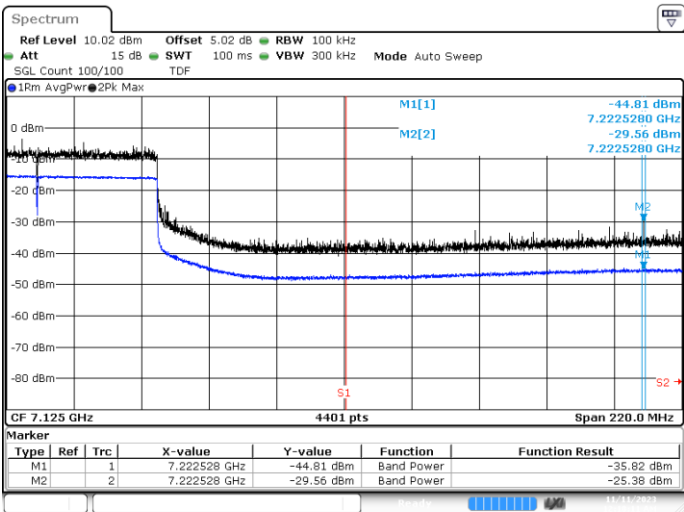
BE-NR-LOW, SISO-A, 802.11ax160-HE0, Ch15



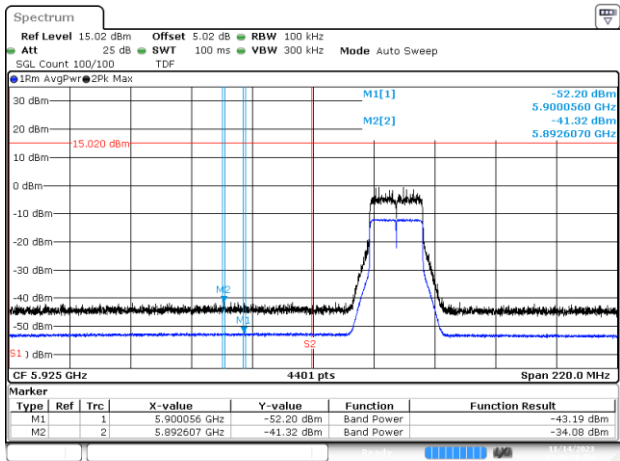
BE-NR-HIGH, SISO-A, 802.11ax160-HE0, Ch207



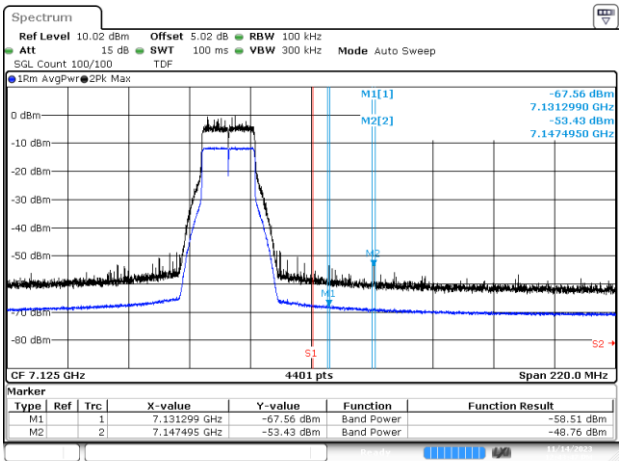
BE-NR-LOW, SISO-A, 802.11be320-EHT0, Ch31



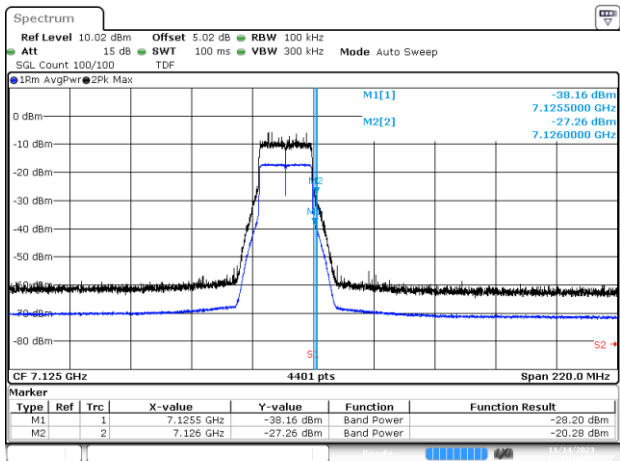
BE-NR-HIGH, SISO-A, 802.11be320-EHT0, Ch191



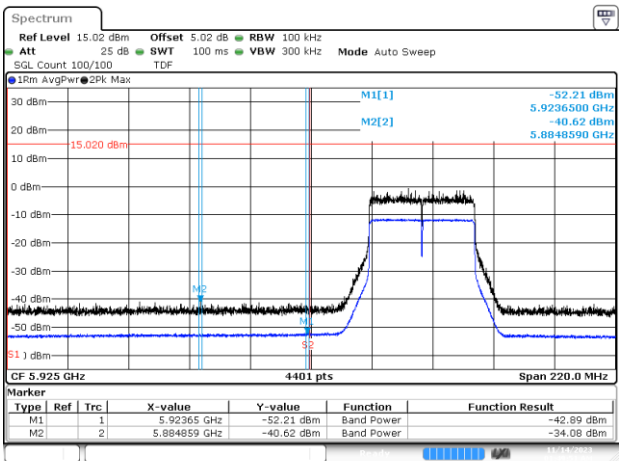
BE-NR-LOW, SISO-B, 802.11ax20-HE0, Ch1



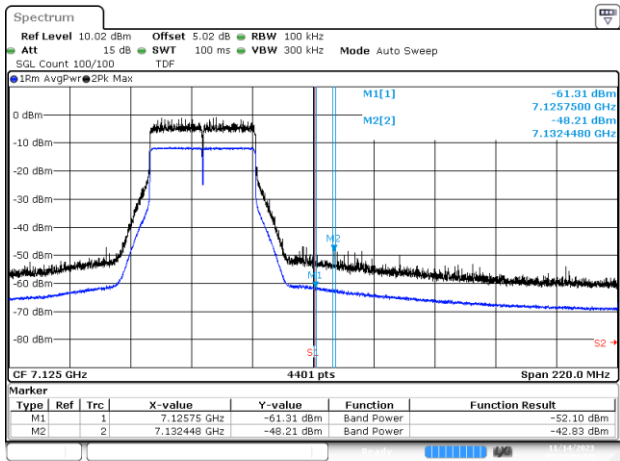
BE-NR-HIGH, SISO-B, 802.11ax20-HE0, Ch229



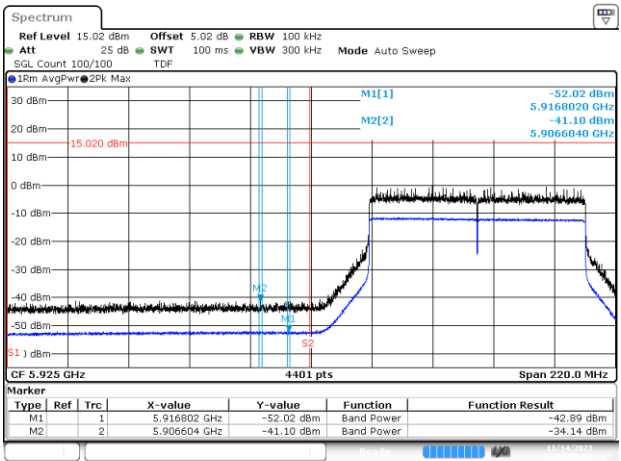
BE-NR-HIGH, SISO-B, 802.11ax20-HE0, Ch233



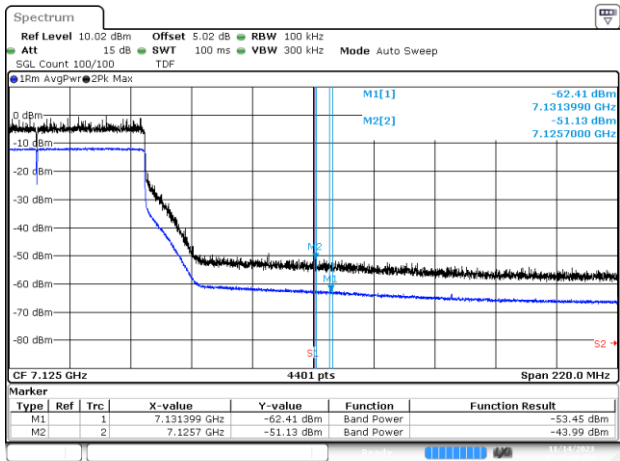
BE-NR-LOW, SISO-B, 802.11ax40-HE0, Ch3



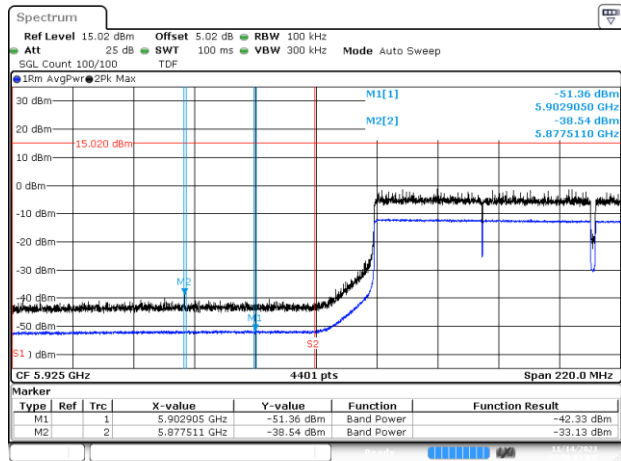
BE-NR-HIGH, SISO-B, 802.11ax40-HE0, Ch227



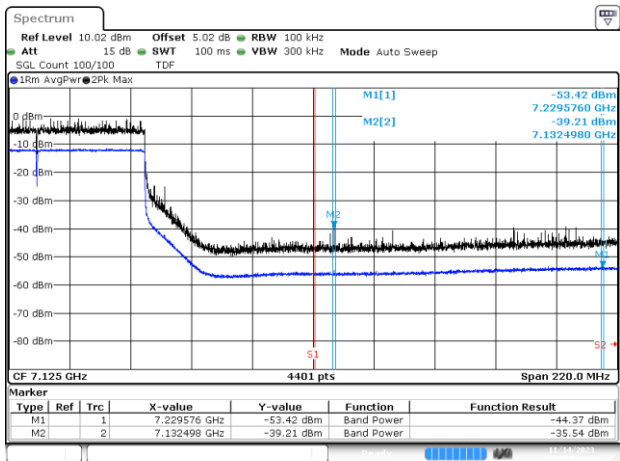
BE-NR-LOW, SISO-B, 802.11ax80-HE0, Ch7



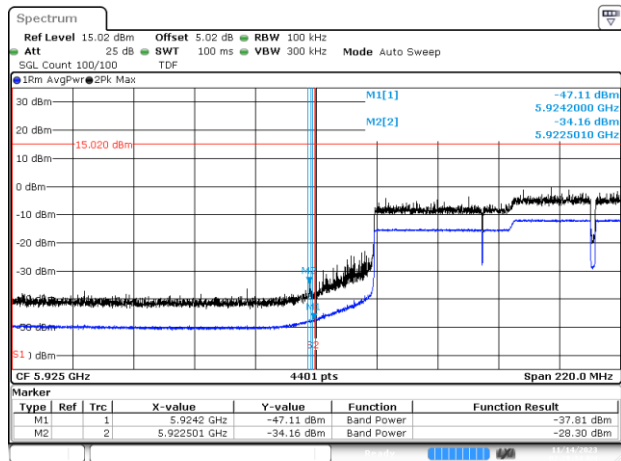
BE-NR-HIGH, SISO-B, 802.11ax80-HE0, Ch215



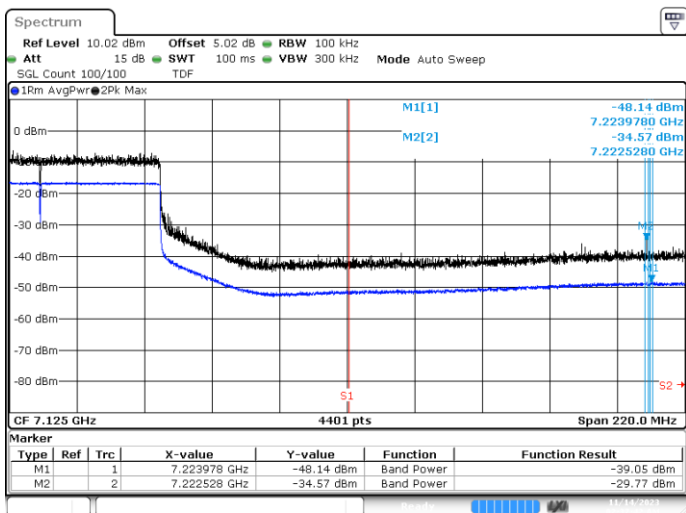
BE-NR-LOW, SISO-B, 802.11ax160-HE0, Ch15



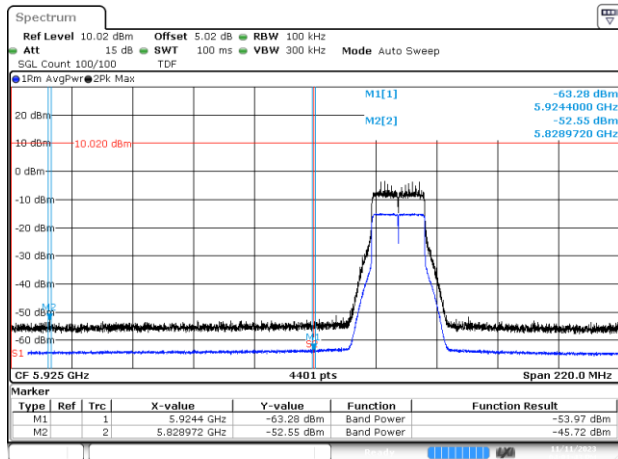
BE-NR-HIGH, SISO-B, 802.11ax160-HE0, Ch207



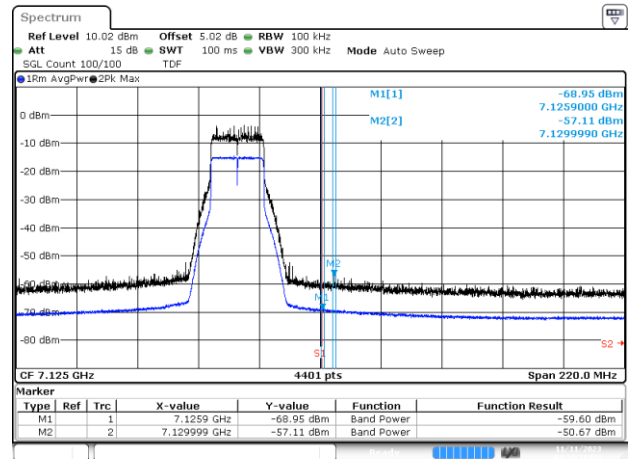
BE-NR-LOW, SISO-B, 802.11be320-EHT0, Ch31



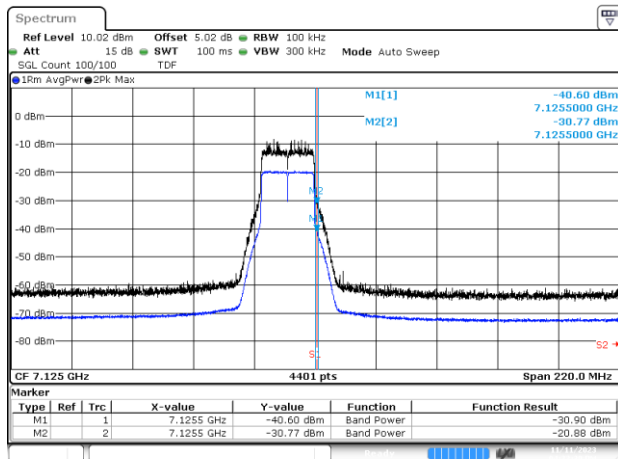
BE-NR-HIGH, SISO-B, 802.11be320-EHT0, Ch191



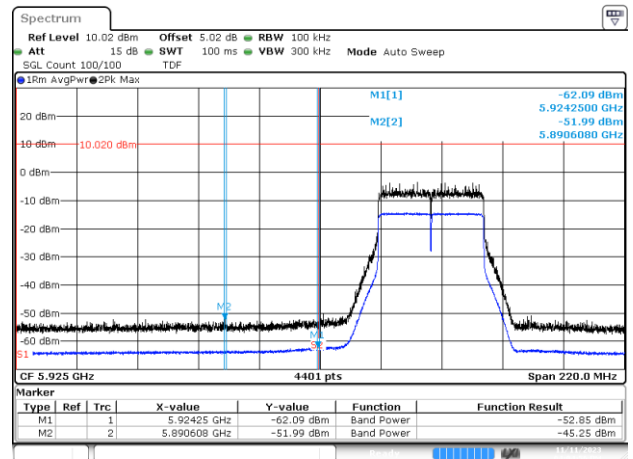
BE-NR-LOW, MIMO-A, 802.11ax20-HE0, Ch1



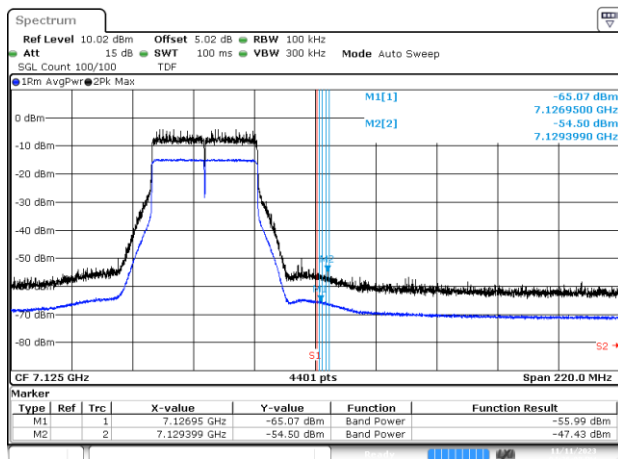
BE-NR-HIGH, MIMO-A, 802.11ax20-HE0, Ch229



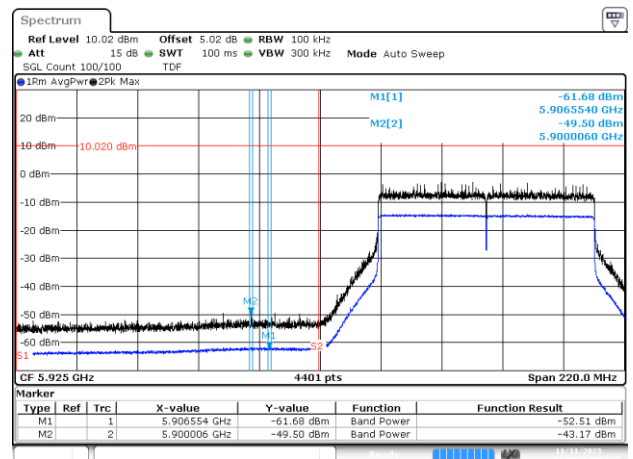
BE-NR-HIGH, MIMO-A, 802.11ax20-HE0, Ch233



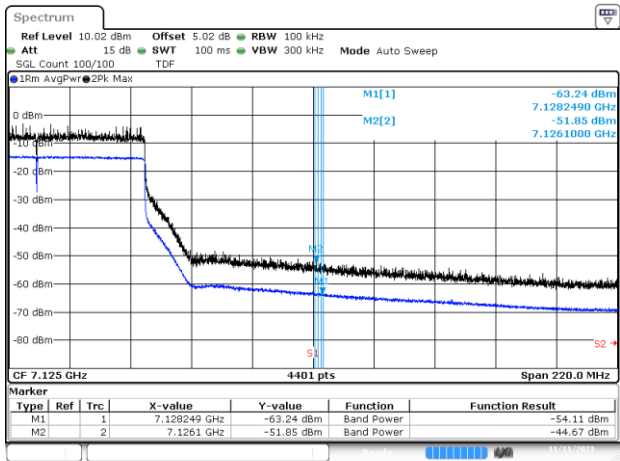
BE-NR-LOW, MIMO-A, 802.11ax40-HE0, Ch3



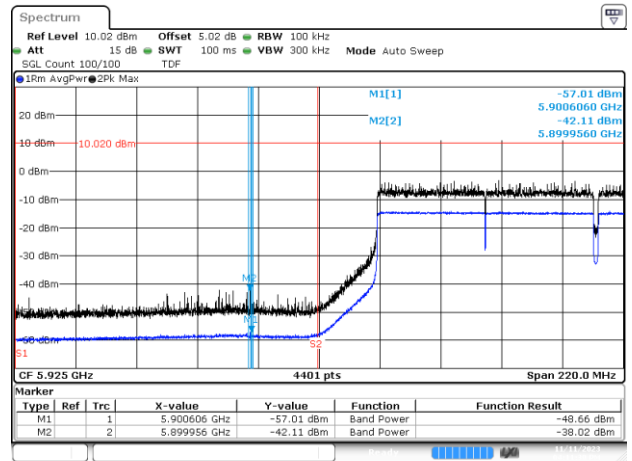
BE-NR-HIGH, MIMO-A, 802.11ax40-HE0, Ch227



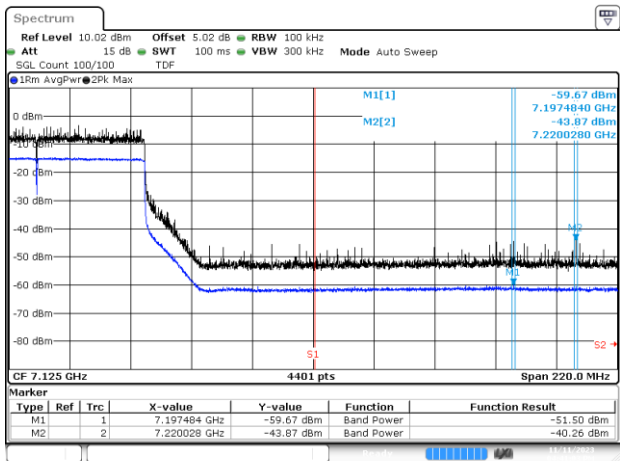
BE-NR-LOW, MIMO-A, 802.11ax80-HE0, Ch7



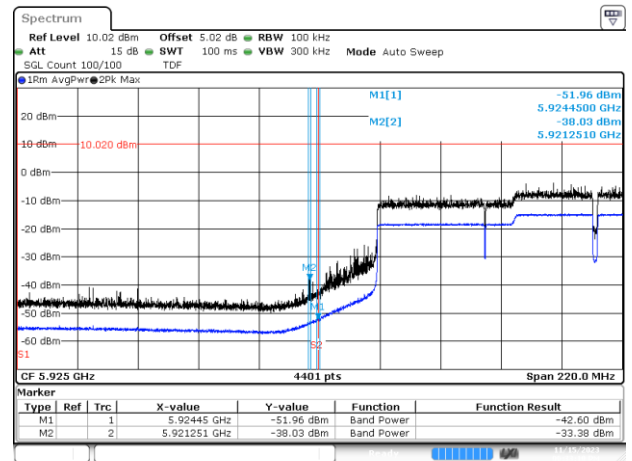
BE-NR-HIGH, MIMO-A, 802.11ax80-HE0, Ch215



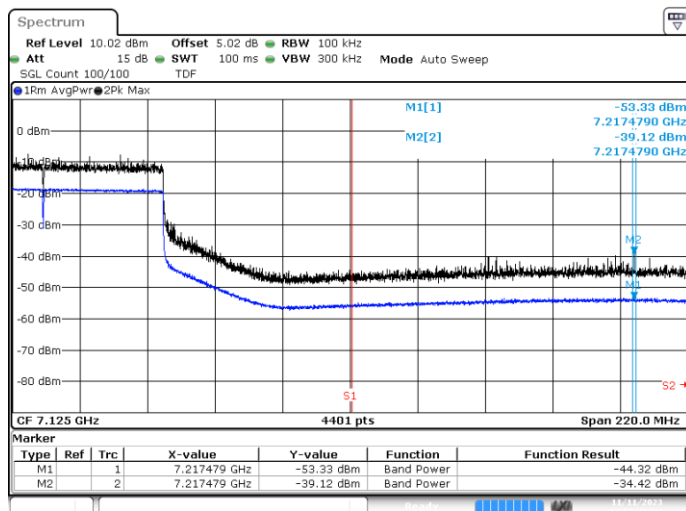
BE-NR-LOW, MIMO-A, 802.11ax160-HE0, Ch15



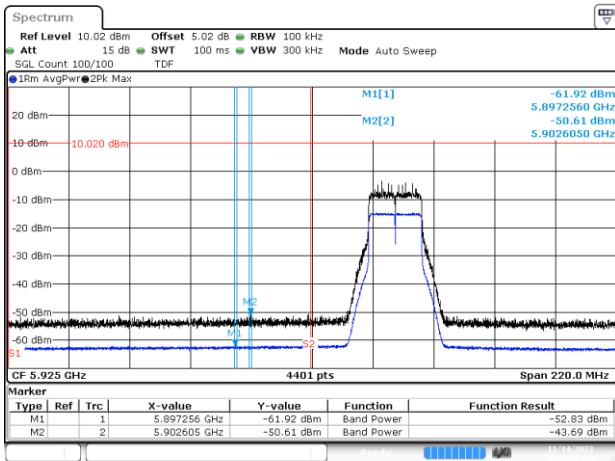
BE-NR-HIGH, MIMO-A, 802.11ax160-HE0, Ch207



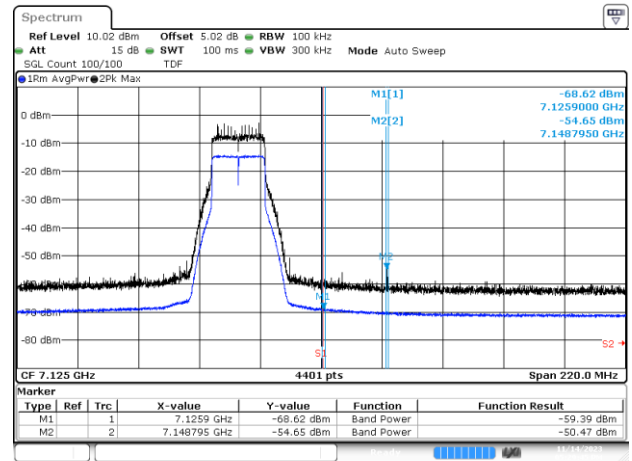
BE-NR-LOW, MIMO-A, 802.11be320-EHT0, Ch31



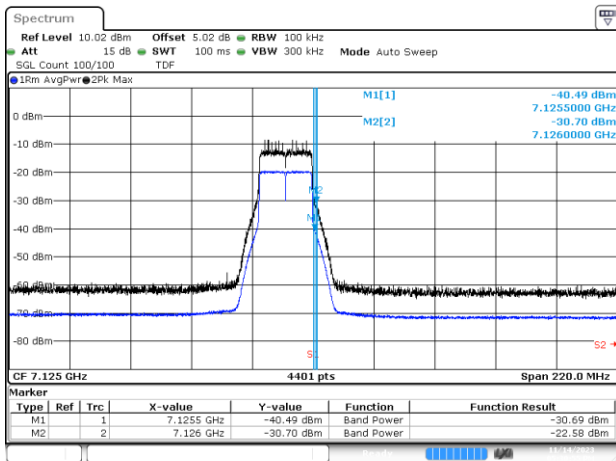
BE-NR-HIGH, MIMO-A, 802.11be320-EHT0, Ch191



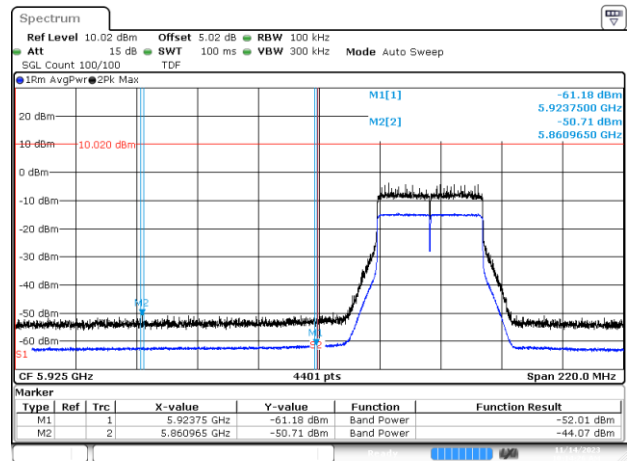
BE-NR-LOW, MIMO-B, 802.11ax20-HE0, Ch1



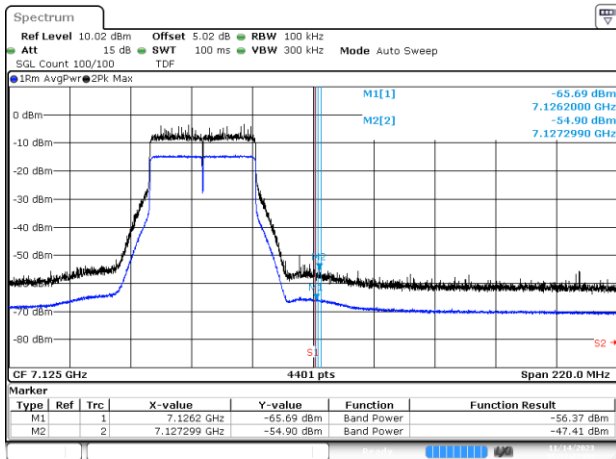
BE-NR-HIGH, MIMO-B, 802.11ax20-HE0, Ch229



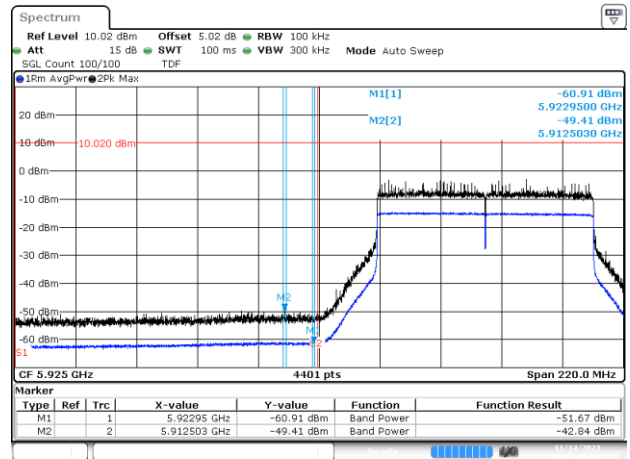
BE-NR-HIGH, MIMO-B, 802.11ax20-HE0, Ch233



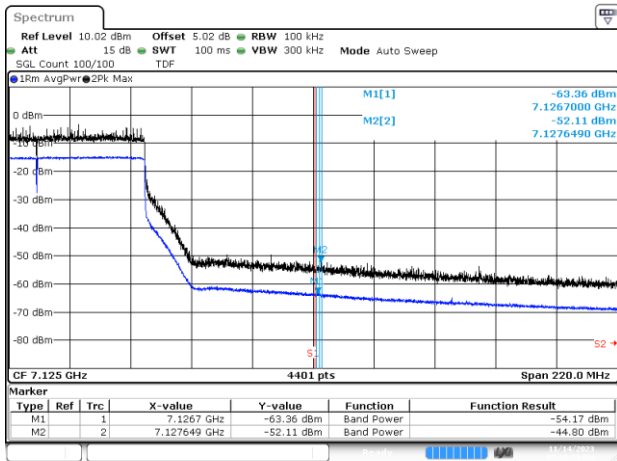
BE-NR-LOW, MIMO-B, 802.11ax40-HE0, Ch3



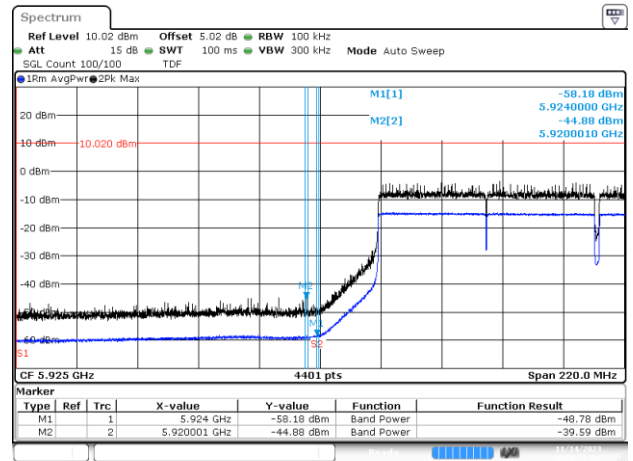
BE-NR-HIGH, MIMO-B, 802.11ax40-HE0, Ch227



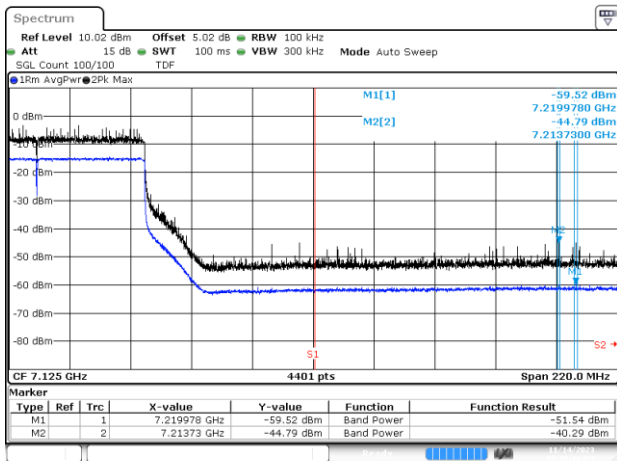
BE-NR-LOW, MIMO-B, 802.11ax80-HE0, Ch7



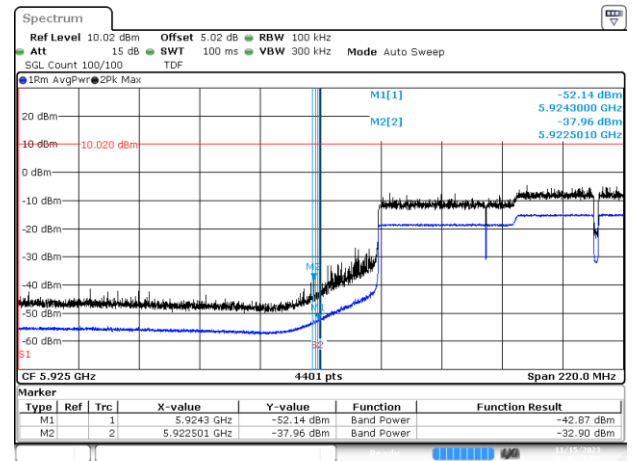
BE-NR-HIGH, MIMO-B, 802.11ax80-HE0, Ch215



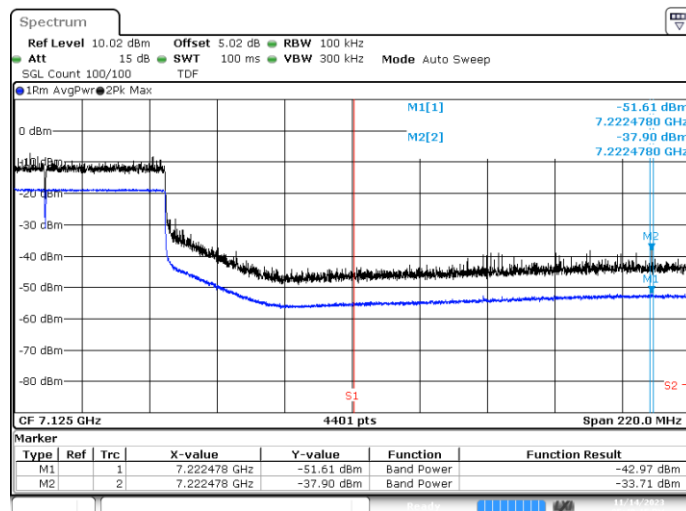
BE-NR-LOW, MIMO-B, 802.11ax160-HE0, Ch15



BE-NR-HIGH, MIMO-B, 802.11ax160-HE0, Ch207



BE-NR-LOW, MIMO-B, 802.11be320-EHT0, Ch31



BE-NR-HIGH, MIMO-B, 802.11be320-EHT0, Ch191