



| Frequency (MHz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------|----------------|-------------|----------|-----------|-------------|--------------|
| *               |                |                |             |          |           |             |              |

Table 513 - 6855 MHz (CH181), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz

\*No emissions found within 10 dB of the limit.

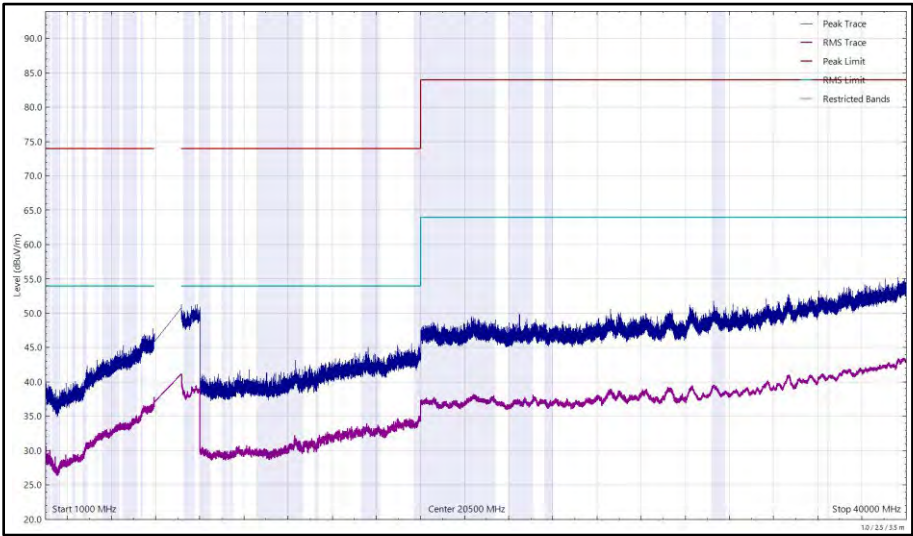


Figure 229 - 6855 MHz (CH181), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

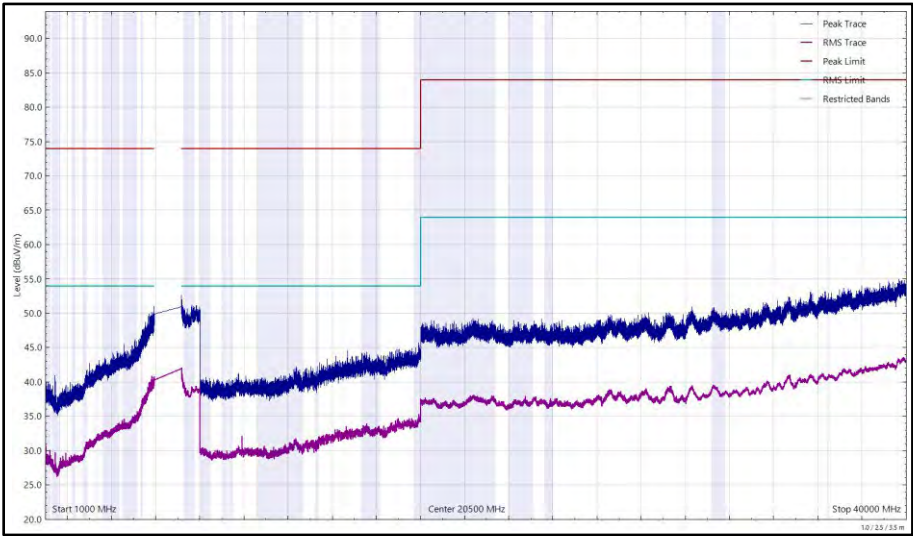


Figure 230 - 6855 MHz (CH181), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical



| Frequency (MHz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------|----------------|-------------|----------|-----------|-------------|--------------|
| *               |                |                |             |          |           |             |              |

Table 514 - 6895 MHz (CH189), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz

\*No emissions found within 10 dB of the limit.

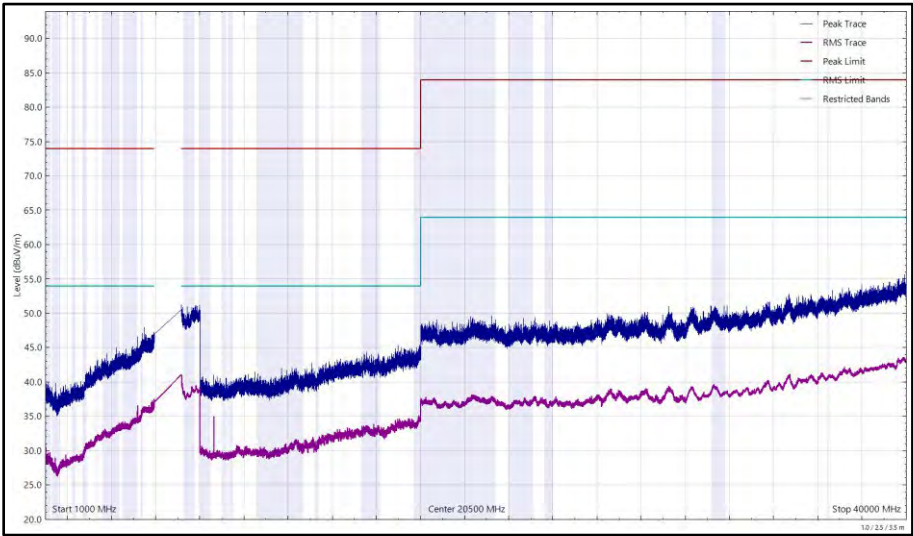


Figure 231 - 6895 MHz (CH189), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

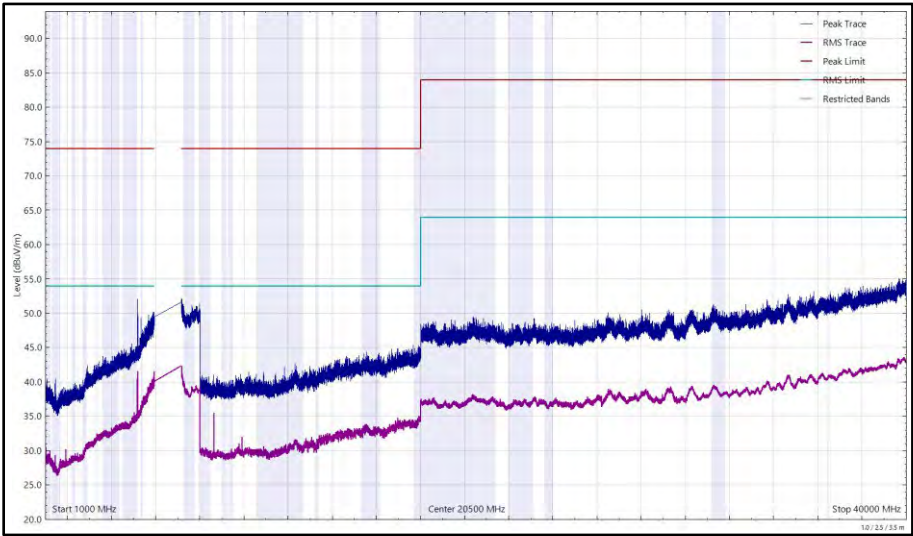
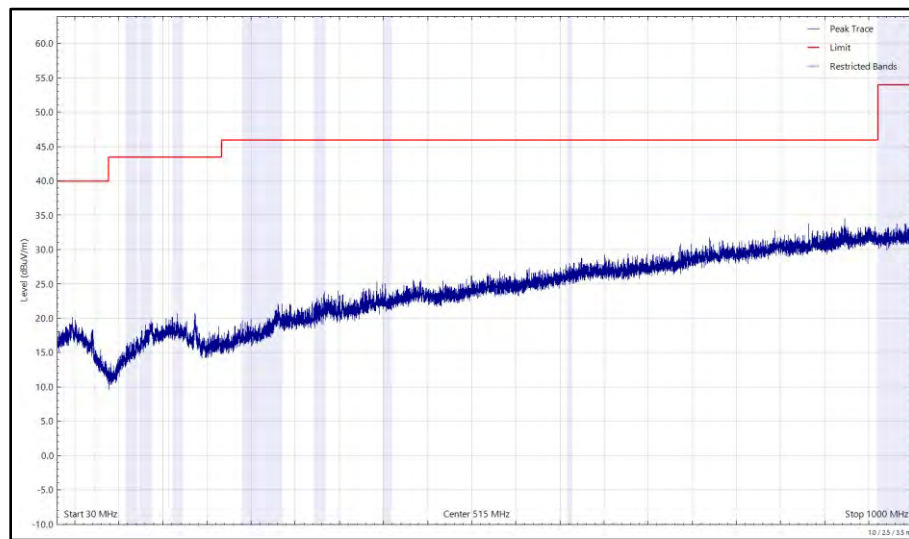


Figure 232 - 6895 MHz (CH189), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

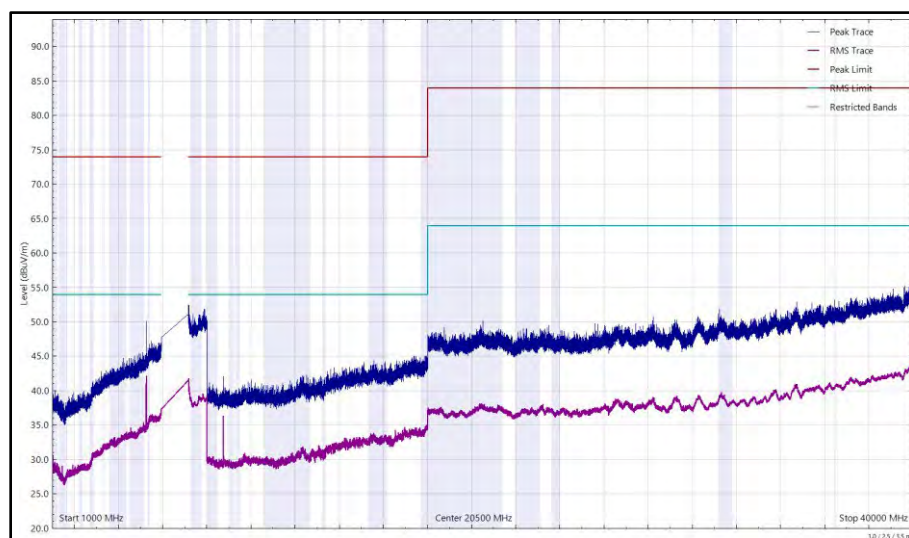
| Frequency (MHz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------|----------------|-------------|----------|-----------|-------------|--------------|
| *               |                |                |             |          |           |             |              |

**Table 515 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1, 30 MHz to 40 GHz**

\*No emissions found within 10 dB of the limit.



**Figure 233 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)**



**Figure 234 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal**

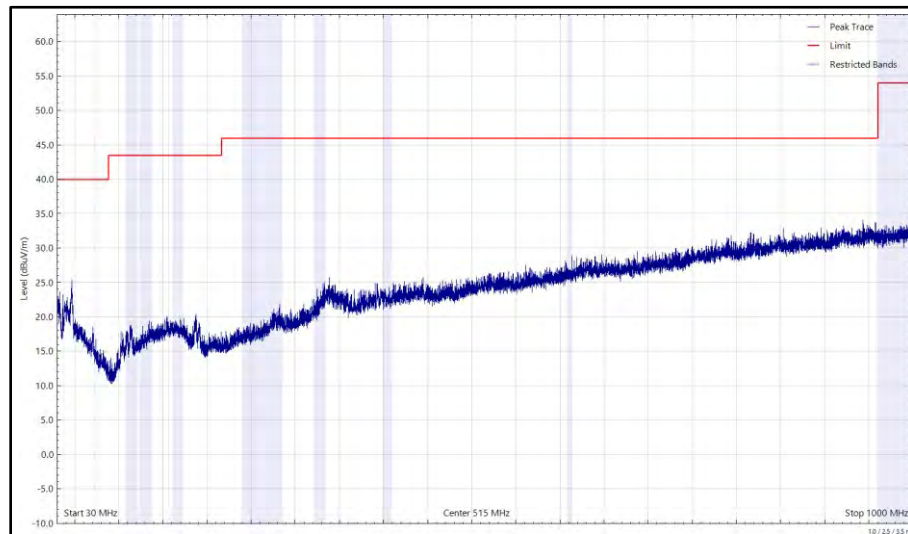


Figure 235 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

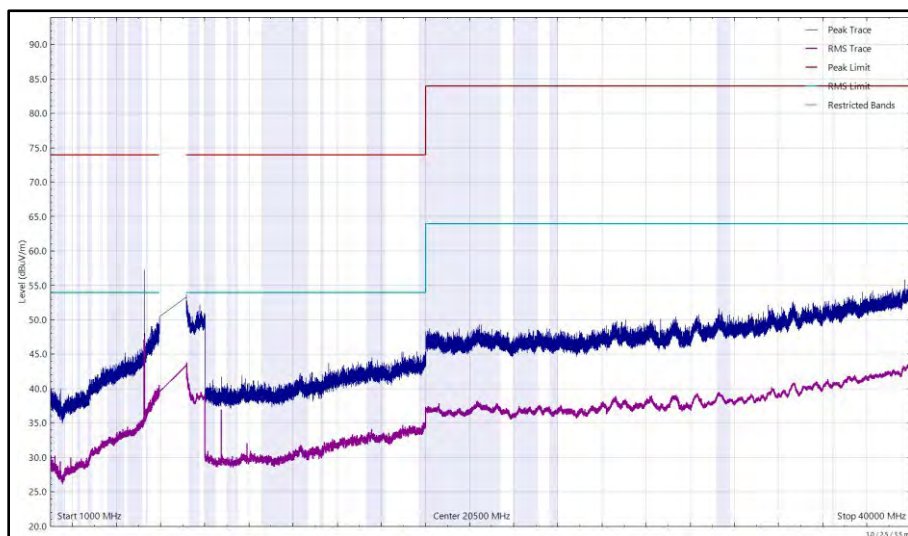


Figure 236 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical



| Frequency (MHz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------|----------------|-------------|----------|-----------|-------------|--------------|
| *               |                |                |             |          |           |             |              |

Table 516 - 7115 MHz (CH233), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz

\*No emissions found within 10 dB of the limit.

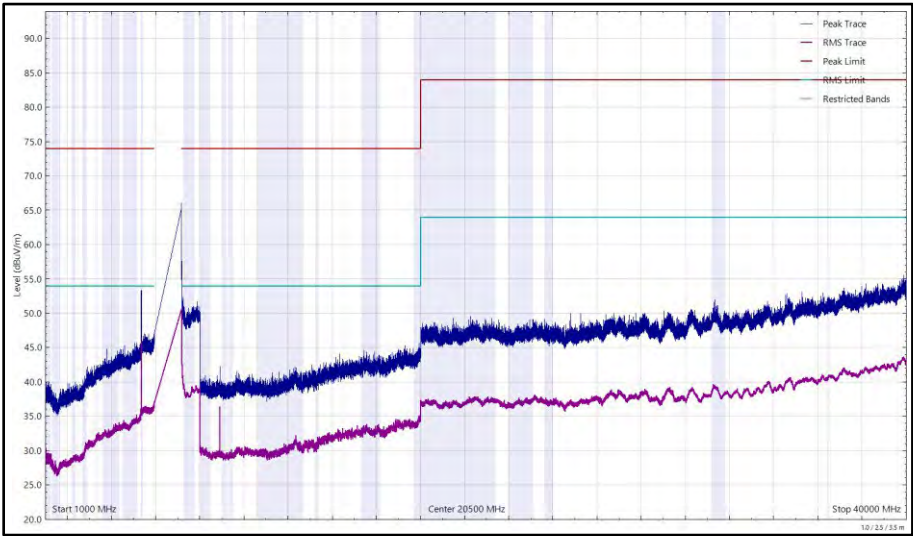


Figure 237 - 7115 MHz (CH233), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

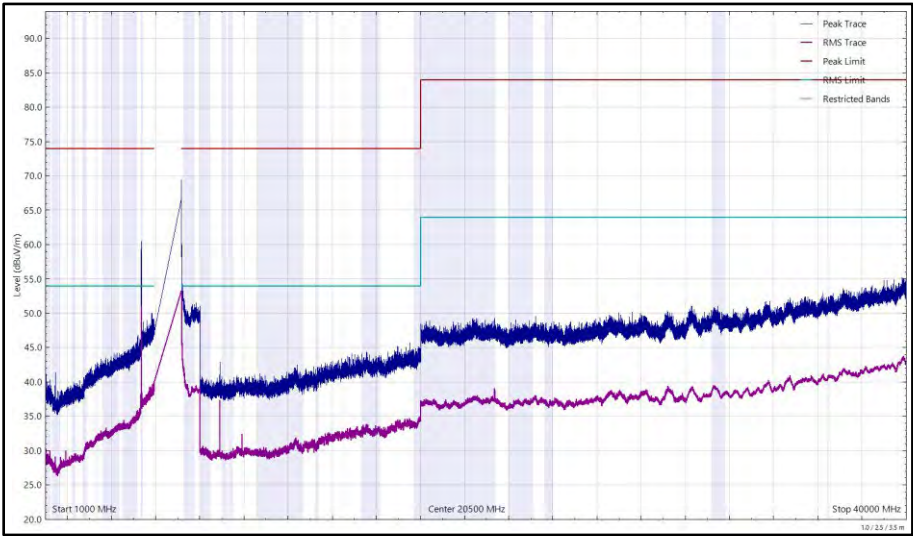


Figure 238 - 7115 MHz (CH233), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical



FCC 47 CFR Part 15, Limit Clause 15.209 and 15.407(b)(5)

Emissions not falling within the restricted bands listed in 15.205:

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.

Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in 15.209.

Emissions within the restricted bands listed in FCC 47 CFR Part 15.205:

| Frequency (MHz) | Field Strength ( $\mu\text{V/m}$ ) at 3m | Field Strength Limit ( $\text{dB}\mu\text{V/m}$ ) at 3m |
|-----------------|------------------------------------------|---------------------------------------------------------|
| 30 to 88        | 100                                      | 40.00                                                   |
| 88 to 216       | 150                                      | 43.52                                                   |
| 216 to 960      | 200                                      | 46.02                                                   |
| Above 960       | 500                                      | 53.98                                                   |

**Table 517 - Radiated Emissions Limit Table (FCC)**

ISED RSS-248, Limit Clause 4.6.2(a) and ISED RSS-GEN, Limit Clause 8.9

Emissions not falling within the restricted bands listed in ISED RSS-GEN, Clause 8.10:

Any emissions outside of the 5925-7125 MHz band shall not exceed –27 dBm/MHz e.i.r.p.

Any emissions below 1000 MHz shall meet the general field strength limits specified in RSS-Gen

Emissions falling within the restricted bands listed in ISED RSS-GEN, Clause 8.10:

| Frequency (MHz) | Field Strength ( $\mu\text{V/m}$ ) at 3m | Field Strength Limit ( $\text{dB}\mu\text{V/m}$ ) at 3m |
|-----------------|------------------------------------------|---------------------------------------------------------|
| 30 to 88        | 100                                      | 40.00                                                   |
| 88 to 216       | 150                                      | 43.52                                                   |
| 216 to 960      | 200                                      | 46.02                                                   |
| Above 960       | 500                                      | 53.98                                                   |

**Table 518 - Radiated Emissions Limit Table (ISED)**



## 2.5.8 Test Location and Test Equipment Used

This test was carried out in RF Chamber 15.

| Instrument                                       | Manufacturer        | Type No.                  | TE No. | Calibration Period (months) | Calibration Expiry Date |
|--------------------------------------------------|---------------------|---------------------------|--------|-----------------------------|-------------------------|
| Cable (18 GHz)                                   | Rosenberger         | LU7-071-1000              | 5096   | 12                          | 24-Oct-2024             |
| Emissions Software                               | TUV SUD             | EmX V3.1.12               | 5125   | -                           | Software                |
| EMI Test Receiver                                | Rohde & Schwarz     | ESW44                     | 5911   | 12                          | 05-May-2024             |
| DRG Horn Antenna (7.5-18GHz)                     | Schwarzbeck         | HWRD750                   | 5940   | 12                          | 09-Jul-2024             |
| TRILOG Super Broadband Test Antenna              | Schwarzbeck         | VULB 9168                 | 5944   | 24                          | 03-Feb-2024             |
| 1500W (300V 12A) AC Power Supply                 | iTech               | IT7324                    | 5955   | -                           | O/P Mon                 |
| 5m Semi-Anechoic Chamber (Dual-Axis), Chamber 15 | Albatross Projects  | RF Chamber 15             | 5963   | 36                          | 28-Apr-2025             |
| Compact Antenna Mast                             | Maturo Gmbh         | CAM4.0-P                  | 5964   | -                           | TU                      |
| Mast & Turntable Controller                      | Maturo Gmbh         | FCU3.0                    | 5966   | -                           | TU                      |
| Tilt Antenna Mast                                | Maturo Gmbh         | BAM4.5-P                  | 5967   | -                           | TU                      |
| Turntable                                        | Maturo Gmbh         | TT1.5SI                   | 5968   | -                           | TU                      |
| Cable (N to N 1m)                                | Junkosha            | MWX221-01000NMSNMS/B      | 5999   | 12                          | 05-Jun-2024             |
| Cable (N to N 8m)                                | Junkosha            | MWX221-08000NMSNMS/A      | 6006   | 12                          | 05-Jun-2024             |
| Cable (N to N 7m)                                | Junkosha            | MWX221-07000NMSNMS/B      | 6016   | 12                          | 05-Jun-2024             |
| Horn Antenna (1-10 GHz)                          | Schwarzbeck         | BBHA9120B                 | 6140   | 12                          | 26-Aug-2024             |
| Digital Multimeter                               | Fluke               | 115                       | 6147   | 12                          | 16-Jun-2024             |
| Double Ridge Active Horn Antenna (18-40 GHz)     | Com-Power           | AHA-840                   | 6188   | 24                          | 02-Jun-2024             |
| SAC Switch Unit                                  | TUV SUD             | TUV_SSU_001               | 6191   | 12                          | 12-Dec-2023             |
| 8 GHz Highpass Filter                            | Wainwright          | WHKX 7150 8000 18000 50SS | 6196   | 12                          | 24-Jul-2024             |
| Pre Amp 8 - 18 GHz                               | Wright Technologies | APS06 0061                | 6198   | 12                          | 14-Jul-2024             |
| Pre Amp 8 - 18 GHz                               | Wright Technologies | APS06 0061                | 6200   | 12                          | 14-Jul-2024             |
| Attenuator 4dB                                   | Pasternack          | PE7074-4                  | 6203   | 24                          | 16-Jul-2024             |
| Cable (SMA to SMA 20cm)                          | TUV SUD             | MH-FH 8-18                | 6220   | 12                          | 24-Jul-2024             |
| Cable (SMA to SMA 1m)                            | Junkosha            | MWX221-01000AMSAMS/A      | 6315   | 12                          | 04-Feb-2024             |
| Cable (K Type 2m)                                | Junkosha            | MWX241-02000KMSKMS/B      | 6323   | 12                          | 04-Feb-2024             |
| 8 GHz High Pass Filter                           | Wainwright          | WHKX 7150 8000 18000 50SS | 6427   | 12                          | 24-Jul-2024             |
| DRG Horn Antenna                                 | Schwarzbeck         | HWRD750                   | 6458   | 12                          | 09-Jul-2024             |
| Humidity and Temperature Meter                   | R.S Components      | 1364                      | 6486   | 12                          | 18-Apr-2024             |
| Coax cable sma to sma with N-Type adapter        | TUV SUD             | N/A                       | 6637   | 12                          | 24-Jul-2024             |

**Table 519**

TU - Traceability Unscheduled

O/P Mon - Output Monitored using calibrated equipment



## **2.6 Unwanted Emissions within the 5925-7125 MHz band**

### **2.6.1 Specification Reference**

FCC 47 CFR Part 15E, Clause 15.407 (b)  
ISED RSS-248, Clause 4.6  
ISED RSS-GEN, Clause 6.13

### **2.6.2 Equipment Under Test and Modification State**

A3113, S/N: FYL0QJ76JQ - Modification State 0  
A3113, S/N: HPHV6327GY - Modification State 0

### **2.6.3 Date of Test**

06-November-2023

### **2.6.4 Test Method**

This test was performed in accordance with KDB 987594 D02, clause J.

### **2.6.5 Environmental Conditions**

|                     |         |
|---------------------|---------|
| Ambient Temperature | 22.6 °C |
| Relative Humidity   | 49.6 %  |

## 2.6.6 Test Results

### 6 GHz WLAN

#### SISO

| Protocol              | Unwanted Emissions Within the RLAN Band |                 |
|-----------------------|-----------------------------------------|-----------------|
|                       | Margin (dB)                             | Frequency (MHz) |
| 802.11a LPI           | 5.37                                    | 6085.300        |
| 802.11ax HE20 SU LPI  | 15.01                                   | 5964.200        |
| 802.11ax HE40 SU LPI  | 11.52                                   | 6065.306        |
| 802.11ax HE80 SU LPI  | 8.44                                    | 6826.000        |
| 802.11ax HE160 SU LPI | 7.06                                    | 6426.000        |

Table 520 - Unwanted Emissions Within the RLAN Band Summary Results - SISO LPI



Figure 239 - A (Core 0) 802.11a LPI 7115 MHz (CH233)



Figure 240 - A (Core 0) 802.11ax HE20 SU LPI 7115 MHz (CH233)

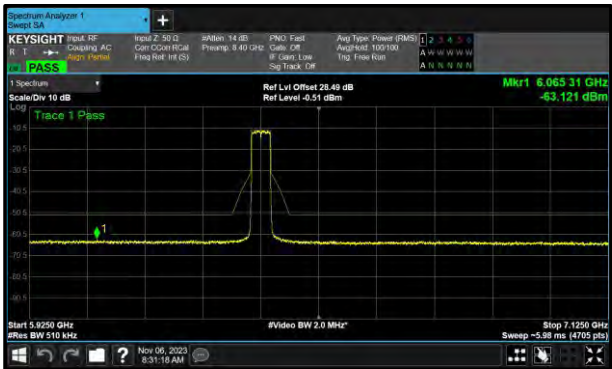


Figure 241 - A (Core 0) 802.11ax HE40 SU LPI  
6405 MHz (CH91)

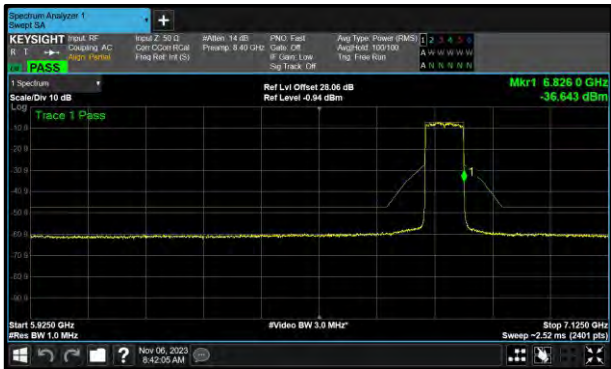


Figure 242 - B (Core 1) 802.11ax HE80 SU LPI  
6785 MHz (CH167)

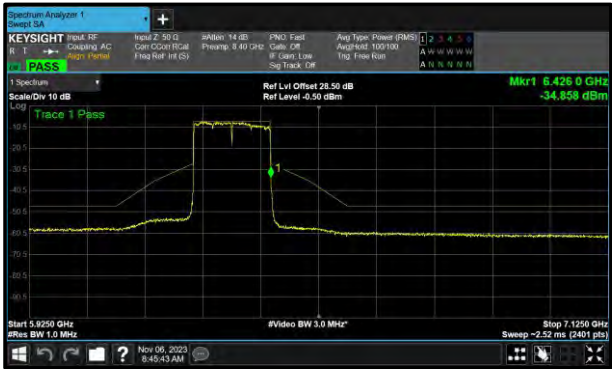
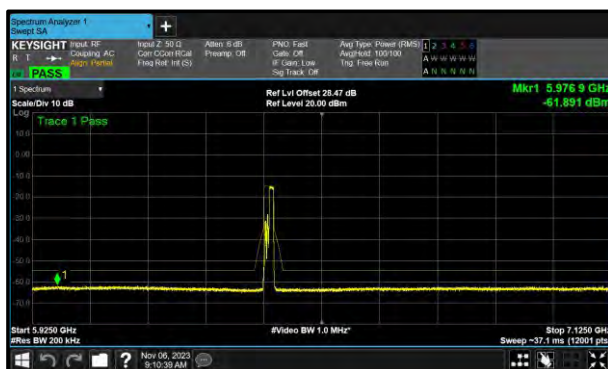


Figure 243 - A (Core 0) 802.11ax HE160 SU LPI  
6345 MHz (CH79)

| Protocol                | Unwanted Emissions Within the RLAN Band |                 |
|-------------------------|-----------------------------------------|-----------------|
|                         | Margin (dB)                             | Frequency (MHz) |
| 802.11ax HE20 RU106 LPI | 7.09                                    | 5976.900        |
| 802.11ax HE20 RU26 LPI  | 18.68                                   | 7105.800        |
| 802.11ax HE20 RU52 LPI  | 7.22                                    | 6082.900        |

**Table 521 - Unwanted Emissions Within the RLAN Band Summary Results - SISO RU LPI**



**Figure 244 - A (Core 0) 802.11ax HE20 RU106 LPI 6415 MHz (CH93)**



**Figure 245 - A (Core 0) 802.11ax HE20 RU26 LPI 7095 MHz (CH229)**



**Figure 246 - B (Core 1) 802.11ax HE20 RU52 LPI 6515 MHz (CH113)**



| Test Configuration |                 |                 |                                       |
|--------------------|-----------------|-----------------|---------------------------------------|
| Frequency Range:   | 5.925-7.125 GHz | Band:           | U-NII-5, U-NII-6,<br>U-NII-7, U-NII-8 |
| Limit Clause(s):   | 15.407(b)       | Test Method(s): | KDB 987594 clause j                   |

| DUT Configuration      |                         |                          |       |
|------------------------|-------------------------|--------------------------|-------|
| Mode:                  | 802.11a LPI             | Duty Cycle (%):          | -     |
| Data Rate:             | 12 Mbps                 | DCCF (dB):               | -     |
| Antenna Configuration: | SISO                    | Peak Antenna Gain (dBi): | -     |
| Active Port(s):        | A (Core 0)   B (Core 1) | Active Chain Id(s):      | 0   1 |

| Test Frequency<br>(MHz) | Unwanted Emissions Within the RLAN Band Margin (dB) |      |   |   |
|-------------------------|-----------------------------------------------------|------|---|---|
|                         | A                                                   | B    | C | D |
| 5955                    | 7.87                                                | -    | - | - |
| 6175                    | 8.49                                                | -    | - | - |
| 6415                    | 7.56                                                | -    | - | - |
| 6435                    | -                                                   | 8.33 | - | - |
| 6475                    | -                                                   | 7.80 | - | - |
| 6515                    | -                                                   | 7.61 | - | - |
| 6535                    | -                                                   | 7.69 | - | - |
| 6695                    | -                                                   | 7.93 | - | - |
| 6855                    | -                                                   | 8.05 | - | - |
| 6875                    | -                                                   | 8.01 | - | - |
| 6895                    | 8.41                                                | -    | - | - |
| 6995                    | 8.68                                                | -    | - | - |
| 7115                    | 5.37                                                | -    | - | - |

**Table 522 - Unwanted Emissions Within the Band Results**



| Test Configuration |                 |                 |                                       |
|--------------------|-----------------|-----------------|---------------------------------------|
| Frequency Range:   | 5.925-7.125 GHz | Band:           | U-NII-5, U-NII-6,<br>U-NII-7, U-NII-8 |
| Limit Clause(s):   | 15.407(b)       | Test Method(s): | KDB 987594 clause j                   |

| DUT Configuration         |                         |                          |       |
|---------------------------|-------------------------|--------------------------|-------|
| Mode:                     | 802.11ax HE20 SU LPI    | Duty Cycle (%):          | -     |
| Modulation Coding Scheme: | MCS2x1                  | DCCF (dB):               | -     |
| Antenna Configuration:    | SISO                    | Peak Antenna Gain (dBi): | -     |
| Active Port(s):           | A (Core 0)   B (Core 1) | Active Chain Id(s):      | 0   1 |

| Test Frequency (MHz) | Unwanted Emissions Within the RLAN Band Margin (dB) |       |   |   |
|----------------------|-----------------------------------------------------|-------|---|---|
|                      | A                                                   | B     | C | D |
| 5955                 | 15.33                                               | -     | - | - |
| 6175                 | 16.26                                               | -     | - | - |
| 6415                 | 16.27                                               | -     | - | - |
| 6435                 | -                                                   | 16.87 | - | - |
| 6475                 | -                                                   | 17.27 | - | - |
| 6515                 | -                                                   | 16.78 | - | - |
| 6535                 | -                                                   | 16.83 | - | - |
| 6695                 | -                                                   | 16.51 | - | - |
| 6855                 | -                                                   | 16.91 | - | - |
| 6875                 | -                                                   | 16.49 | - | - |
| 6895                 | 17.89                                               | -     | - | - |
| 6995                 | 17.05                                               | -     | - | - |
| 7115                 | 15.01                                               | -     | - | - |

**Table 523 - Unwanted Emissions Within the Band Results**



| Test Configuration |                 |                 |                                       |
|--------------------|-----------------|-----------------|---------------------------------------|
| Frequency Range:   | 5.925-7.125 GHz | Band:           | U-NII-5, U-NII-6,<br>U-NII-7, U-NII-8 |
| Limit Clause(s):   | 15.407(b)       | Test Method(s): | KDB 987594 clause j                   |

| DUT Configuration         |                         |                          |       |
|---------------------------|-------------------------|--------------------------|-------|
| Mode:                     | 802.11ax HE40 SU LPI    | Duty Cycle (%):          | -     |
| Modulation Coding Scheme: | MCS2x1                  | DCCF (dB):               | -     |
| Antenna Configuration:    | SISO                    | Peak Antenna Gain (dBi): | -     |
| Active Port(s):           | A (Core 0)   B (Core 1) | Active Chain Id(s):      | 0   1 |

| Test Frequency (MHz) | Unwanted Emissions Within the RLAN Band Margin (dB) |       |   |   |
|----------------------|-----------------------------------------------------|-------|---|---|
|                      | A                                                   | B     | C | D |
| 5965                 | 13.56                                               | -     | - | - |
| 6165                 | 12.76                                               | -     | - | - |
| 6405                 | 11.52                                               | -     | - | - |
| 6445                 | -                                                   | 12.85 | - | - |
| 6485                 | -                                                   | 12.76 | - | - |
| 6525                 | -                                                   | 12.38 | - | - |
| 6565                 | -                                                   | 12.01 | - | - |
| 6685                 | -                                                   | 12.43 | - | - |
| 6845                 | -                                                   | 12.47 | - | - |
| 6885                 | -                                                   | 13.89 | - | - |
| 6925                 | 13.62                                               | -     | - | - |
| 7005                 | 13.04                                               | -     | - | - |
| 7085                 | 12.64                                               | -     | - | - |

**Table 524 - Unwanted Emissions Within the Band Results**



| Test Configuration |                 |                 |                                       |
|--------------------|-----------------|-----------------|---------------------------------------|
| Frequency Range:   | 5.925-7.125 GHz | Band:           | U-NII-5, U-NII-6,<br>U-NII-7, U-NII-8 |
| Limit Clause(s):   | 15.407(b)       | Test Method(s): | KDB 987594 clause j                   |

| DUT Configuration         |                         |                          |       |
|---------------------------|-------------------------|--------------------------|-------|
| Mode:                     | 802.11ax HE80 SU LPI    | Duty Cycle (%):          | -     |
| Modulation Coding Scheme: | MCS2x1                  | DCCF (dB):               | -     |
| Antenna Configuration:    | SISO                    | Peak Antenna Gain (dBi): | -     |
| Active Port(s):           | A (Core 0)   B (Core 1) | Active Chain Id(s):      | 0   1 |

| Test Frequency (MHz) | Unwanted Emissions Within the RLAN Band Margin (dB) |       |   |   |
|----------------------|-----------------------------------------------------|-------|---|---|
|                      | A                                                   | B     | C | D |
| 5985                 | 9.37                                                | -     | - | - |
| 6145                 | 8.75                                                | -     | - | - |
| 6385                 | 8.66                                                | -     | - | - |
| 6465                 | -                                                   | 10.10 | - | - |
| 6545                 | -                                                   | 8.99  | - | - |
| 6625                 | -                                                   | 9.00  | - | - |
| 6705                 | -                                                   | 9.41  | - | - |
| 6785                 | -                                                   | 8.44  | - | - |
| 6865                 | -                                                   | 9.14  | - | - |
| 6945                 | 8.76                                                | -     | - | - |
| 7025                 | 9.86                                                | -     | - | - |

**Table 525 - Unwanted Emissions Within the Band Results**



| Test Configuration |                 |                 |                                       |
|--------------------|-----------------|-----------------|---------------------------------------|
| Frequency Range:   | 5.925-7.125 GHz | Band:           | U-NII-5, U-NII-6,<br>U-NII-7, U-NII-8 |
| Limit Clause(s):   | 15.407(b)       | Test Method(s): | KDB 987594 clause j                   |

| DUT Configuration         |                         |                          |       |
|---------------------------|-------------------------|--------------------------|-------|
| Mode:                     | 802.11ax HE160 SU LPI   | Duty Cycle (%):          | -     |
| Modulation Coding Scheme: | MCS2x1                  | DCCF (dB):               | -     |
| Antenna Configuration:    | SISO                    | Peak Antenna Gain (dBi): | -     |
| Active Port(s):           | A (Core 0)   B (Core 1) | Active Chain Id(s):      | 0   1 |

| Test Frequency<br>(MHz) | Unwanted Emissions Within the RLAN Band Margin (dB) |      |   |   |
|-------------------------|-----------------------------------------------------|------|---|---|
|                         | A                                                   | B    | C | D |
| 6025                    | 7.67                                                | -    | - | - |
| 6185                    | 7.32                                                | -    | - | - |
| 6345                    | 7.06                                                | -    | - | - |
| 6505                    | -                                                   | 7.14 | - | - |
| 6665                    | -                                                   | 7.51 | - | - |
| 6825                    | -                                                   | 9.32 | - | - |
| 6985                    | 7.67                                                | -    | - | - |

**Table 526 - Unwanted Emissions Within the Band Results**



| Test Configuration |                 |                 |                                       |
|--------------------|-----------------|-----------------|---------------------------------------|
| Frequency Range:   | 5.925-7.125 GHz | Band:           | U-NII-5, U-NII-6,<br>U-NII-7, U-NII-8 |
| Limit Clause(s):   | 15.407(b)       | Test Method(s): | KDB 987594 clause j                   |

| DUT Configuration         |                         |                          |       |
|---------------------------|-------------------------|--------------------------|-------|
| Mode:                     | 802.11ax HE20 RU26 LPI  | Duty Cycle (%):          | -     |
| Modulation Coding Scheme: | MCS2x1                  | DCCF (dB):               | -     |
| Antenna Configuration:    | SISO                    | Peak Antenna Gain (dBi): | -     |
| Active Port(s):           | A (Core 0)   B (Core 1) | Active Chain Id(s):      | 0   1 |

| Test Frequency (MHz) | Unwanted Emissions Within the RLAN Band Margin (dB) |       |   |   |
|----------------------|-----------------------------------------------------|-------|---|---|
|                      | A                                                   | B     | C | D |
| 5955 (RU26.0)        | 20.20                                               | -     | - | - |
| 6175 (RU26.0)        | 20.08                                               | -     | - | - |
| 6415 (RU26.8)        | 18.93                                               | -     | - | - |
| 6435 (RU26.0)        | -                                                   | 19.21 | - | - |
| 6475 (RU26.0)        | -                                                   | 18.91 | - | - |
| 6515 (RU26.8)        | -                                                   | 19.08 | - | - |
| 6535 (RU26.0)        | -                                                   | 20.20 | - | - |
| 6695 (RU26.0)        | -                                                   | 20.37 | - | - |
| 6855 (RU26.8)        | -                                                   | 19.64 | - | - |
| 6875 (RU26.3)        | -                                                   | 20.79 | - | - |
| 6875 (RU26.5)        | -                                                   | 21.87 | - | - |
| 6895 (RU26.0)        | 20.79                                               | -     | - | - |
| 6995 (RU26.0)        | 20.01                                               | -     | - | - |
| 7095 (RU26.8)        | 18.68                                               | -     | - | - |

**Table 527 - Unwanted Emissions Within the Band Results**



| Test Configuration |                 |                 |                                       |
|--------------------|-----------------|-----------------|---------------------------------------|
| Frequency Range:   | 5.925-7.125 GHz | Band:           | U-NII-5, U-NII-6,<br>U-NII-7, U-NII-8 |
| Limit Clause(s):   | 15.407(b)       | Test Method(s): | KDB 987594 clause j                   |

| DUT Configuration         |                         |                          |       |
|---------------------------|-------------------------|--------------------------|-------|
| Mode:                     | 802.11ax HE20 RU52 LPI  | Duty Cycle (%):          | -     |
| Modulation Coding Scheme: | MCS2x1                  | DCCF (dB):               | -     |
| Antenna Configuration:    | SISO                    | Peak Antenna Gain (dBi): | -     |
| Active Port(s):           | A (Core 0)   B (Core 1) | Active Chain Id(s):      | 0   1 |

| Test Frequency (MHz) | Unwanted Emissions Within the RLAN Band Margin (dB) |      |   |   |
|----------------------|-----------------------------------------------------|------|---|---|
|                      | A                                                   | B    | C | D |
| 5955 (RU52.37)       | 7.53                                                | -    | - | - |
| 6175 (RU52.37)       | 7.93                                                | -    | - | - |
| 6415 (RU52.40)       | 7.24                                                | -    | - | - |
| 6435 (RU52.37)       | -                                                   | 7.83 | - | - |
| 6475 (RU52.37)       | -                                                   | 7.53 | - | - |
| 6515 (RU52.40)       | -                                                   | 7.22 | - | - |
| 6535 (RU52.37)       | -                                                   | 7.40 | - | - |
| 6695 (RU52.37)       | -                                                   | 7.57 | - | - |
| 6855 (RU52.40)       | -                                                   | 7.57 | - | - |
| 6875 (RU52.38)       | -                                                   | 7.76 | - | - |
| 6875 (RU52.39)       | -                                                   | 7.45 | - | - |
| 6895 (RU52.37)       | 8.21                                                | -    | - | - |
| 6995 (RU52.37)       | 7.84                                                | -    | - | - |
| 7095 (RU52.40)       | 8.22                                                | -    | - | - |

**Table 528 - Unwanted Emissions Within the Band Results**



| Test Configuration |                 |                 |                                       |
|--------------------|-----------------|-----------------|---------------------------------------|
| Frequency Range:   | 5.925-7.125 GHz | Band:           | U-NII-5, U-NII-6,<br>U-NII-7, U-NII-8 |
| Limit Clause(s):   | 15.407(b)       | Test Method(s): | KDB 987594 clause j                   |

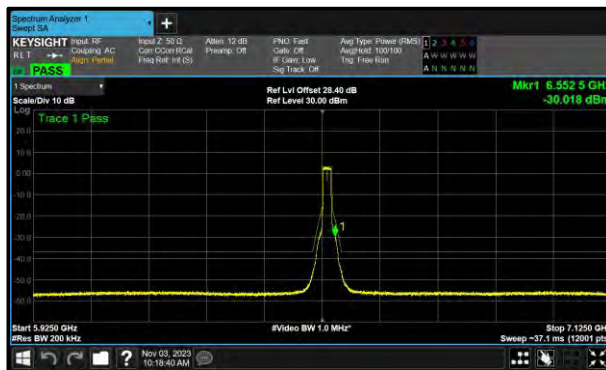
| DUT Configuration         |                         |                          |       |
|---------------------------|-------------------------|--------------------------|-------|
| Mode:                     | 802.11ax HE20 RU106 LPI | Duty Cycle (%):          | -     |
| Modulation Coding Scheme: | MCS2x1                  | DCCF (dB):               | -     |
| Antenna Configuration:    | SISO                    | Peak Antenna Gain (dBi): | -     |
| Active Port(s):           | A (Core 0)   B (Core 1) | Active Chain Id(s):      | 0   1 |

| Test Frequency (MHz) | Unwanted Emissions Within the RLAN Band Margin (dB) |      |   |   |
|----------------------|-----------------------------------------------------|------|---|---|
|                      | A                                                   | B    | C | D |
| 5955 (RU106.53)      | 7.60                                                | -    | - | - |
| 6175 (RU106.53)      | 8.48                                                | -    | - | - |
| 6415 (RU106.54)      | 7.09                                                | -    | - | - |
| 6435 (RU106.53)      | -                                                   | 7.85 | - | - |
| 6475 (RU106.53)      | -                                                   | 7.59 | - | - |
| 6515 (RU106.54)      | -                                                   | 7.49 | - | - |
| 6535 (RU106.53)      | -                                                   | 7.86 | - | - |
| 6695 (RU106.53)      | -                                                   | 7.68 | - | - |
| 6855 (RU106.54)      | -                                                   | 7.80 | - | - |
| 6875 (RU106.53)      | -                                                   | 7.82 | - | - |
| 6875 (RU106.54)      | -                                                   | 7.72 | - | - |
| 6895 (RU106.53)      | 8.65                                                | -    | - | - |
| 6995 (RU106.53)      | 8.37                                                | -    | - | - |
| 7095 (RU106.54)      | 8.29                                                | -    | - | - |

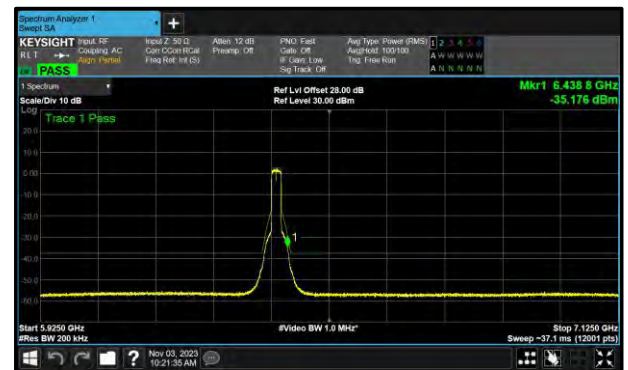
**Table 529 - Unwanted Emissions Within the Band Results**

| Protocol             | Unwanted Emissions Within the RLAN Band |                 |
|----------------------|-----------------------------------------|-----------------|
|                      | Margin (dB)                             | Frequency (MHz) |
| 802.11a SP           | 7.34                                    | 6552.500        |
| 802.11ax HE20 SU SP  | 5.02                                    | 6438.800        |
| 802.11ax HE40 SU SP  | 2.62                                    | 6449.745        |
| 802.11ax HE80 SU SP  | 3.73                                    | 6482.000        |
| 802.11ax HE160 SU SP | 6.18                                    | 6099.000        |

**Table 530 - Unwanted Emissions Within the RLAN Band Summary Results-SISO SP**



**Figure 247 - B (Core 1) 802.11a SP 6535 MHz (CH117)**



**Figure 248 - A (Core 0) 802.11ax HE20 SU SP 6415 MHz (CH93)**

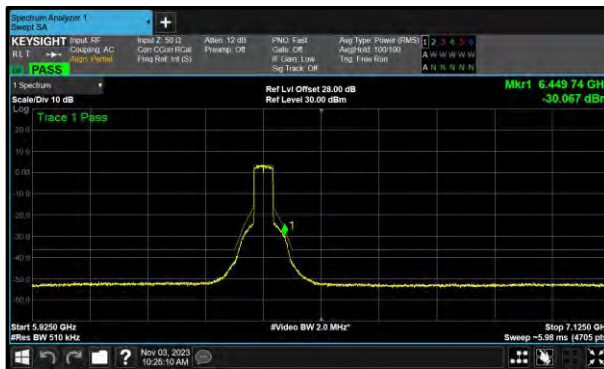


Figure 249 - A (Core 0) 802.11ax HE40 SU SP  
6405 MHz (CH91)

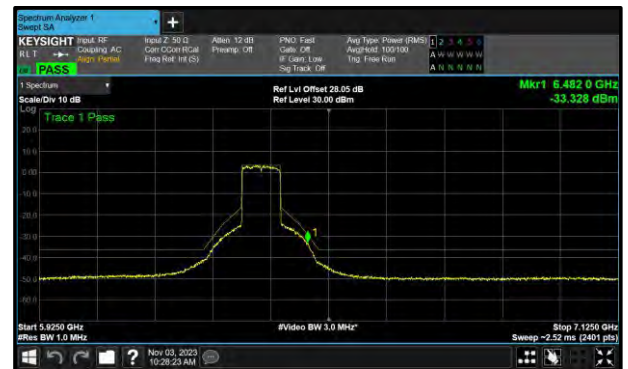


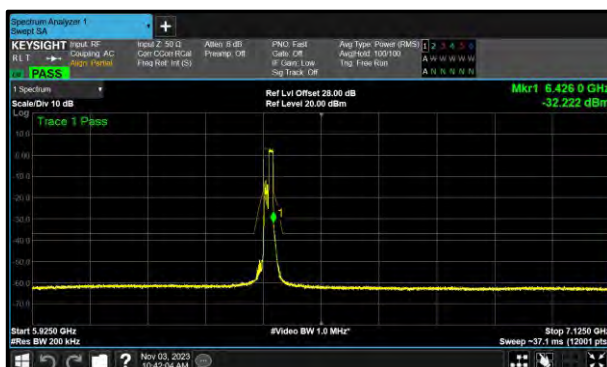
Figure 250 - A (Core 0) 802.11ax HE80 SU SP  
6385 MHz (CH87)



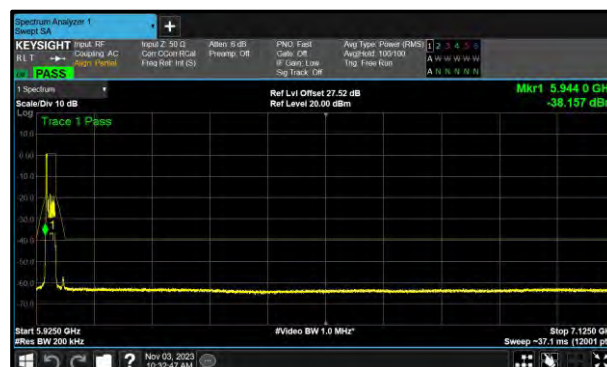
Figure 251 - A (Core 0) 802.11ax HE160 SU SP  
6345 MHz (CH79)

| Protocol               | Unwanted Emissions Within the RLAN Band |                 |
|------------------------|-----------------------------------------|-----------------|
|                        | Margin (dB)                             | Frequency (MHz) |
| 802.11ax HE20 RU106 SP | 15.22                                   | 6426.000        |
| 802.11ax HE20 RU26 SP  | 18.76                                   | 5944.000        |
| 802.11ax HE20 RU52 SP  | 17.90                                   | 6524.100        |

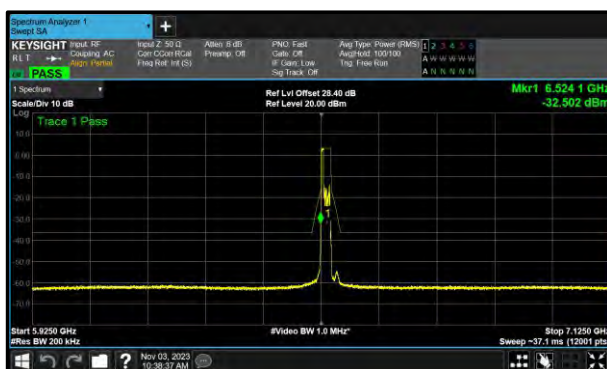
**Table 531 - Unwanted Emissions Within the RLAN Band Summary Results-SISO SP RU**



**Figure 252 - A (Core 0) 802.11ax HE20 RU106 SP  
6415 MHz (CH93)**



**Figure 253 - A (Core 0) 802.11ax HE20 RU26 SP  
5955 MHz (CH1)**



**Figure 254 - B (Core 1) 802.11ax HE20 RU52 SP  
6535 MHz (CH117)**



| Test Configuration |                 |                 |                     |
|--------------------|-----------------|-----------------|---------------------|
| Frequency Range:   | 5.925-7.125 GHz | Band:           | U-NII-5, U-NII-7    |
| Limit Clause(s):   | 15.407(b)       | Test Method(s): | KDB 987594 clause j |

| DUT Configuration      |                         |                          |       |
|------------------------|-------------------------|--------------------------|-------|
| Mode:                  | 802.11a SP              | Duty Cycle (%):          | -     |
| Data Rate:             | 12 Mbps                 | DCCF (dB):               | -     |
| Antenna Configuration: | SISO                    | Peak Antenna Gain (dBi): | -     |
| Active Port(s):        | A (Core 0)   B (Core 1) | Active Chain Id(s):      | 0   1 |

| Test Frequency (MHz) | Unwanted Emissions Within the RLAN Band Margin (dB) |      |   |   |
|----------------------|-----------------------------------------------------|------|---|---|
|                      | A                                                   | B    | C | D |
| 5955                 | 10.51                                               | -    | - | - |
| 6175                 | 10.19                                               | -    | - | - |
| 6415                 | 7.45                                                | -    | - | - |
| 6535                 | -                                                   | 7.34 | - | - |
| 6695                 | -                                                   | 8.17 | - | - |
| 6855                 | -                                                   | 8.47 | - | - |

**Table 532 - Unwanted Emissions Within the Band Results**

| Test Configuration |                 |                 |                     |
|--------------------|-----------------|-----------------|---------------------|
| Frequency Range:   | 5.925-7.125 GHz | Band:           | U-NII-5, U-NII-7    |
| Limit Clause(s):   | 15.407(b)       | Test Method(s): | KDB 987594 clause j |

| DUT Configuration         |                         |                          |       |
|---------------------------|-------------------------|--------------------------|-------|
| Mode:                     | 802.11ax HE20 SU SP     | Duty Cycle (%):          | -     |
| Modulation Coding Scheme: | MCS2x1                  | DCCF (dB):               | -     |
| Antenna Configuration:    | SISO                    | Peak Antenna Gain (dBi): | -     |
| Active Port(s):           | A (Core 0)   B (Core 1) | Active Chain Id(s):      | 0   1 |

| Test Frequency (MHz) | Unwanted Emissions Within the RLAN Band Margin (dB) |      |   |   |
|----------------------|-----------------------------------------------------|------|---|---|
|                      | A                                                   | B    | C | D |
| 5955                 | 9.43                                                | -    | - | - |
| 6175                 | 7.39                                                | -    | - | - |
| 6415                 | 5.02                                                | -    | - | - |
| 6535                 | -                                                   | 5.18 | - | - |
| 6695                 | -                                                   | 6.09 | - | - |
| 6855                 | -                                                   | 6.75 | - | - |

**Table 533 - Unwanted Emissions Within the Band Results**



| Test Configuration |                 |                 |                     |
|--------------------|-----------------|-----------------|---------------------|
| Frequency Range:   | 5.925-7.125 GHz | Band:           | U-NII-5, U-NII-7    |
| Limit Clause(s):   | 15.407(b)       | Test Method(s): | KDB 987594 clause j |

<TableCaption render = "no">

| DUT Configuration         |                         |                          |       |
|---------------------------|-------------------------|--------------------------|-------|
| Mode:                     | 802.11ax HE40 SU SP     | Duty Cycle (%):          | -     |
| Modulation Coding Scheme: | MCS2x1                  | DCCF (dB):               | -     |
| Antenna Configuration:    | SISO                    | Peak Antenna Gain (dBi): | -     |
| Active Port(s):           | A (Core 0)   B (Core 1) | Active Chain Id(s):      | 0   1 |

<TableCaption render = "no">

| Test Frequency (MHz) | Unwanted Emissions Within the RLAN Band Margin (dB) |      |   |   |
|----------------------|-----------------------------------------------------|------|---|---|
|                      | A                                                   | B    | C | D |
| 5965                 | 8.49                                                | -    | - | - |
| 6165                 | 6.45                                                | -    | - | - |
| 6405                 | 2.62                                                | -    | - | - |
| 6565                 | -                                                   | 4.78 | - | - |
| 6685                 | -                                                   | 4.39 | - | - |
| 6845                 | -                                                   | 5.12 | - | - |

**Table 534 - Unwanted Emissions Within the Band Results**

| Test Configuration |                 |                 |                     |
|--------------------|-----------------|-----------------|---------------------|
| Frequency Range:   | 5.925-7.125 GHz | Band:           | U-NII-5, U-NII-7    |
| Limit Clause(s):   | 15.407(b)       | Test Method(s): | KDB 987594 clause j |

| DUT Configuration         |                         |                          |       |
|---------------------------|-------------------------|--------------------------|-------|
| Mode:                     | 802.11ax HE80 SU SP     | Duty Cycle (%):          | -     |
| Modulation Coding Scheme: | MCS2x1                  | DCCF (dB):               | -     |
| Antenna Configuration:    | SISO                    | Peak Antenna Gain (dBi): | -     |
| Active Port(s):           | A (Core 0)   B (Core 1) | Active Chain Id(s):      | 0   1 |

| Test Frequency (MHz) | Unwanted Emissions Within the RLAN Band Margin (dB) |      |   |   |
|----------------------|-----------------------------------------------------|------|---|---|
|                      | A                                                   | B    | C | D |
| 5985                 | 7.56                                                | -    | - | - |
| 6145                 | 4.53                                                | -    | - | - |
| 6385                 | 3.73                                                | -    | - | - |
| 6625                 | -                                                   | 3.85 | - | - |
| 6705                 | -                                                   | 4.88 | - | - |
| 6785                 | -                                                   | 5.57 | - | - |

**Table 535 - Unwanted Emissions Within the Band Results**



| Test Configuration |                 |                 |                     |
|--------------------|-----------------|-----------------|---------------------|
| Frequency Range:   | 5.925-7.125 GHz | Band:           | U-NII-5, U-NII-7    |
| Limit Clause(s):   | 15.407(b)       | Test Method(s): | KDB 987594 clause j |

| DUT Configuration         |                         |                          |       |
|---------------------------|-------------------------|--------------------------|-------|
| Mode:                     | 802.11ax HE160 SU SP    | Duty Cycle (%):          | -     |
| Modulation Coding Scheme: | MCS2x1                  | DCCF (dB):               | -     |
| Antenna Configuration:    | SISO                    | Peak Antenna Gain (dBi): | -     |
| Active Port(s):           | A (Core 0)   B (Core 1) | Active Chain Id(s):      | 0   1 |

| Test Frequency (MHz) | Unwanted Emissions Within the RLAN Band Margin (dB) |      |   |   |
|----------------------|-----------------------------------------------------|------|---|---|
|                      | A                                                   | B    | C | D |
| 6025                 | 8.31                                                | -    | - | - |
| 6185                 | 6.61                                                | -    | - | - |
| 6345                 | 6.18                                                | -    | - | - |
| 6665                 | -                                                   | 7.27 | - | - |

**Table 536 - Unwanted Emissions Within the Band Results**

| Test Configuration |                 |                 |                     |
|--------------------|-----------------|-----------------|---------------------|
| Frequency Range:   | 5.925-7.125 GHz | Band:           | U-NII-5, U-NII-7    |
| Limit Clause(s):   | 15.407(b)       | Test Method(s): | KDB 987594 clause j |

| DUT Configuration         |                         |                          |       |
|---------------------------|-------------------------|--------------------------|-------|
| Mode:                     | 802.11ax HE20 RU26 SP   | Duty Cycle (%):          | -     |
| Modulation Coding Scheme: | MCS2x1                  | DCCF (dB):               | -     |
| Antenna Configuration:    | SISO                    | Peak Antenna Gain (dBi): | -     |
| Active Port(s):           | A (Core 0)   B (Core 1) | Active Chain Id(s):      | 0   1 |

| Test Frequency (MHz) | Unwanted Emissions Within the RLAN Band Margin (dB) |       |   |   |
|----------------------|-----------------------------------------------------|-------|---|---|
|                      | A                                                   | B     | C | D |
| 5955 (RU26.0)        | 18.76                                               | -     | - | - |
| 6175 (RU26.0)        | 21.09                                               | -     | - | - |
| 6415 (RU26.8)        | 19.61                                               | -     | - | - |
| 6535 (RU26.0)        | -                                                   | 20.63 | - | - |
| 6695 (RU26.0)        | -                                                   | 20.69 | - | - |
| 6855 (RU26.8)        | -                                                   | 20.33 | - | - |

**Table 537 - Unwanted Emissions Within the Band Results**



| Test Configuration |                 |                 |                     |
|--------------------|-----------------|-----------------|---------------------|
| Frequency Range:   | 5.925-7.125 GHz | Band:           | U-NII-5, U-NII-7    |
| Limit Clause(s):   | 15.407(b)       | Test Method(s): | KDB 987594 clause j |

| DUT Configuration         |                         |                          |       |
|---------------------------|-------------------------|--------------------------|-------|
| Mode:                     | 802.11ax HE20 RU52 SP   | Duty Cycle (%):          | -     |
| Modulation Coding Scheme: | MCS2x1                  | DCCF (dB):               | -     |
| Antenna Configuration:    | SISO                    | Peak Antenna Gain (dBi): | -     |
| Active Port(s):           | A (Core 0)   B (Core 1) | Active Chain Id(s):      | 0   1 |

| Test Frequency (MHz) | Unwanted Emissions Within the RLAN Band Margin (dB) |       |   |   |
|----------------------|-----------------------------------------------------|-------|---|---|
|                      | A                                                   | B     | C | D |
| 5955 (RU52.37)       | 19.43                                               | -     | - | - |
| 6175 (RU52.37)       | 19.50                                               | -     | - | - |
| 6415 (RU52.40)       | 18.40                                               | -     | - | - |
| 6535 (RU52.37)       | -                                                   | 17.90 | - | - |
| 6695 (RU52.37)       | -                                                   | 20.23 | - | - |
| 6855 (RU52.40)       | -                                                   | 19.42 | - | - |

**Table 538 - Unwanted Emissions Within the Band Results**

| Test Configuration |                 |                 |                     |
|--------------------|-----------------|-----------------|---------------------|
| Frequency Range:   | 5.925-7.125 GHz | Band:           | U-NII-5, U-NII-7    |
| Limit Clause(s):   | 15.407(b)       | Test Method(s): | KDB 987594 clause j |

| DUT Configuration         |                         |                          |       |
|---------------------------|-------------------------|--------------------------|-------|
| Mode:                     | 802.11ax HE20 RU106 SP  | Duty Cycle (%):          | -     |
| Modulation Coding Scheme: | MCS2x1                  | DCCF (dB):               | -     |
| Antenna Configuration:    | SISO                    | Peak Antenna Gain (dBi): | -     |
| Active Port(s):           | A (Core 0)   B (Core 1) | Active Chain Id(s):      | 0   1 |

| Test Frequency (MHz) | Unwanted Emissions Within the RLAN Band Margin (dB) |       |   |   |
|----------------------|-----------------------------------------------------|-------|---|---|
|                      | A                                                   | B     | C | D |
| 5955 (RU106.53)      | 17.93                                               | -     | - | - |
| 6175 (RU106.53)      | 17.81                                               | -     | - | - |
| 6415 (RU106.54)      | 15.22                                               | -     | - | - |
| 6535 (RU106.53)      | -                                                   | 16.52 | - | - |
| 6695 (RU106.53)      | -                                                   | 16.02 | - | - |
| 6855 (RU106.54)      | -                                                   | 15.90 | - | - |

**Table 539 - Unwanted Emissions Within the Band Results**

## MIMO CDD

| Protocol              | Unwanted Emissions Within the RLAN Band |                 |
|-----------------------|-----------------------------------------|-----------------|
|                       | Margin (dB)                             | Frequency (MHz) |
| 802.11ax HE20 SU LPI  | 14.25                                   | 6248.700        |
| 802.11ax HE40 SU LPI  | 11.47                                   | 6458.163        |
| 802.11ax HE80 SU LPI  | 7.83                                    | 6826.000        |
| 802.11ax HE160 SU LPI | 6.70                                    | 6106.000        |

Table 540 - Unwanted Emissions Within the RLAN Band Summary Results - MIMO CDD LPI

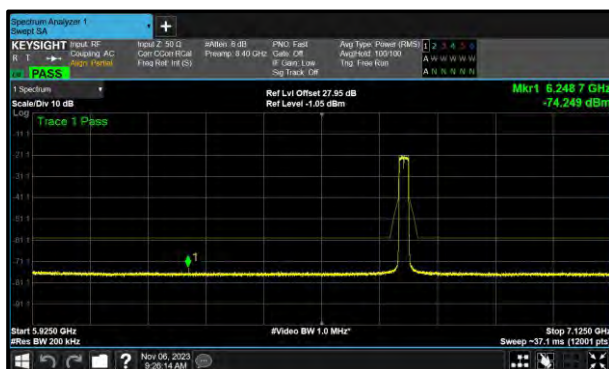


Figure 255 - B (Core 1) 802.11ax HE20 SU LPI  
6695 MHz (CH149)

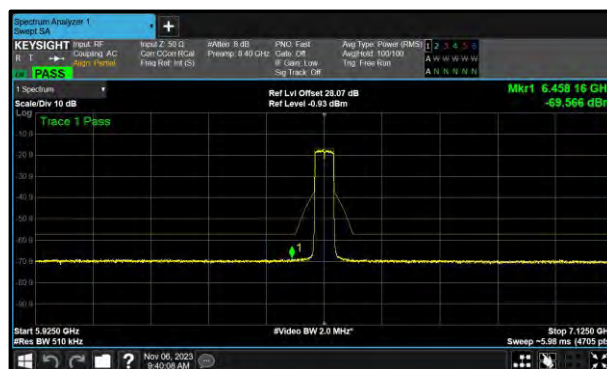


Figure 256 - B (Core 1) 802.11ax HE40 SU LPI  
6525 MHz (CH115)



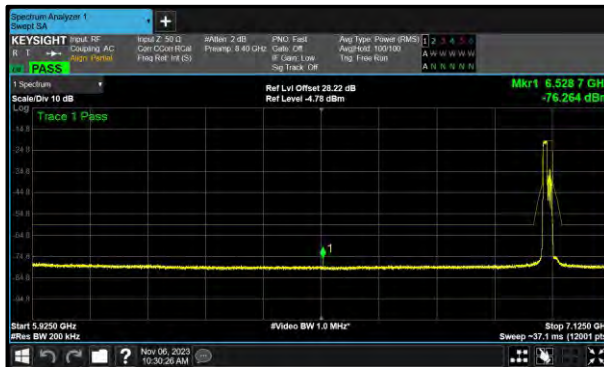
Figure 257 - B (Core 1) 802.11ax HE80 SU LPI  
6785 MHz (CH167)



Figure 258 - A (Core 0) 802.11ax HE160 SU LPI  
6025 MHz (CH15)

| Protocol                | Unwanted Emissions Within the RLAN Band |                 |
|-------------------------|-----------------------------------------|-----------------|
|                         | Margin (dB)                             | Frequency (MHz) |
| 802.11ax HE20 RU106 LPI | 16.26                                   | 6528.700        |
| 802.11ax HE20 RU52 LPI  | 16.18                                   | 6248.700        |

**Table 541 - Unwanted Emissions Within the RLAN Band Summary Results - MIMO CDD RU LPI**



**Figure 259 - B (Core 1) 802.11ax HE20 RU106 LPI 6995 MHz (CH209)**



**Figure 260 - B (Core 1) 802.11ax HE20 RU52 LPI 6695 MHz (CH149)**



| Test Configuration |                 |                 |                                       |
|--------------------|-----------------|-----------------|---------------------------------------|
| Frequency Range:   | 5.925-7.125 GHz | Band:           | U-NII-5, U-NII-6,<br>U-NII-7, U-NII-8 |
| Limit Clause(s):   | 15.407(b)       | Test Method(s): | KDB 987594 clause j                   |

| DUT Configuration         |                       |                          |     |
|---------------------------|-----------------------|--------------------------|-----|
| Mode:                     | 802.11ax HE20 SU LPI  | Duty Cycle (%):          | -   |
| Modulation Coding Scheme: | MCS2x1                | DCCF (dB):               | -   |
| Antenna Configuration:    | MIMO CDD              | Peak Antenna Gain (dBi): | -   |
| Active Port(s):           | A+B (Core 0 + Core 1) | Active Chain Id(s):      | 0+1 |

| Test Frequency (MHz) | Unwanted Emissions Within the RLAN Band Margin (dB) |       |   |   |
|----------------------|-----------------------------------------------------|-------|---|---|
|                      | A                                                   | B     | C | D |
| 5955                 | 15.32                                               | 15.32 | - | - |
| 6175                 | 15.08                                               | 15.57 | - | - |
| 6415                 | 14.90                                               | 15.55 | - | - |
| 6435                 | 14.79                                               | 15.25 | - | - |
| 6475                 | 15.19                                               | 15.18 | - | - |
| 6515                 | 15.22                                               | 15.47 | - | - |
| 6535                 | 14.99                                               | 15.33 | - | - |
| 6695                 | 14.93                                               | 14.25 | - | - |
| 6855                 | 14.71                                               | 15.00 | - | - |
| 6875                 | 14.77                                               | 15.14 | - | - |
| 6895                 | 14.79                                               | 15.05 | - | - |
| 6995                 | 14.74                                               | 14.79 | - | - |
| 7115                 | 15.24                                               | 15.12 | - | - |

**Table 542 - Unwanted Emissions Within the Band Results**



| Test Configuration |                 |                 |                                       |
|--------------------|-----------------|-----------------|---------------------------------------|
| Frequency Range:   | 5.925-7.125 GHz | Band:           | U-NII-5, U-NII-6,<br>U-NII-7, U-NII-8 |
| Limit Clause(s):   | 15.407(b)       | Test Method(s): | KDB 987594 clause j                   |

| DUT Configuration         |                       |                          |     |
|---------------------------|-----------------------|--------------------------|-----|
| Mode:                     | 802.11ax HE40 SU LPI  | Duty Cycle (%):          | -   |
| Modulation Coding Scheme: | MCS2x1                | DCCF (dB):               | -   |
| Antenna Configuration:    | MIMO CDD              | Peak Antenna Gain (dBi): | -   |
| Active Port(s):           | A+B (Core 0 + Core 1) | Active Chain Id(s):      | 0+1 |

| Test Frequency (MHz) | Unwanted Emissions Within the RLAN Band Margin (dB) |       |   |   |
|----------------------|-----------------------------------------------------|-------|---|---|
|                      | A                                                   | B     | C | D |
| 5965                 | 13.25                                               | 12.90 | - | - |
| 6165                 | 12.40                                               | 12.35 | - | - |
| 6405                 | 11.48                                               | 11.78 | - | - |
| 6445                 | 12.15                                               | 11.89 | - | - |
| 6485                 | 11.91                                               | 13.00 | - | - |
| 6525                 | 11.87                                               | 11.47 | - | - |
| 6565                 | 12.11                                               | 12.16 | - | - |
| 6685                 | 12.40                                               | 11.79 | - | - |
| 6845                 | 13.64                                               | 12.28 | - | - |
| 6885                 | 12.85                                               | 12.67 | - | - |
| 6925                 | 13.38                                               | 13.35 | - | - |
| 7005                 | 13.92                                               | 13.27 | - | - |
| 7085                 | 13.16                                               | 12.21 | - | - |

**Table 543 - Unwanted Emissions Within the Band Results**



| Test Configuration |                 |                 |                                       |
|--------------------|-----------------|-----------------|---------------------------------------|
| Frequency Range:   | 5.925-7.125 GHz | Band:           | U-NII-5, U-NII-6,<br>U-NII-7, U-NII-8 |
| Limit Clause(s):   | 15.407(b)       | Test Method(s): | KDB 987594 clause j                   |

| DUT Configuration         |                       |                          |     |
|---------------------------|-----------------------|--------------------------|-----|
| Mode:                     | 802.11ax HE80 SU LPI  | Duty Cycle (%):          | -   |
| Modulation Coding Scheme: | MCS2x1                | DCCF (dB):               | -   |
| Antenna Configuration:    | MIMO CDD              | Peak Antenna Gain (dBi): | -   |
| Active Port(s):           | A+B (Core 0 + Core 1) | Active Chain Id(s):      | 0+1 |

| Test Frequency (MHz) | Unwanted Emissions Within the RLAN Band Margin (dB) |      |   |   |
|----------------------|-----------------------------------------------------|------|---|---|
|                      | A                                                   | B    | C | D |
| 5985                 | 8.55                                                | 8.74 | - | - |
| 6145                 | 8.98                                                | 9.77 | - | - |
| 6385                 | 9.05                                                | 9.97 | - | - |
| 6465                 | 9.64                                                | 9.68 | - | - |
| 6545                 | 9.41                                                | 8.54 | - | - |
| 6625                 | 9.94                                                | 9.19 | - | - |
| 6705                 | 8.86                                                | 9.76 | - | - |
| 6785                 | 8.89                                                | 7.83 | - | - |
| 6865                 | 10.06                                               | 9.24 | - | - |
| 6945                 | 8.20                                                | 8.40 | - | - |
| 7025                 | 9.58                                                | 8.72 | - | - |

**Table 544 - Unwanted Emissions Within the Band Results**



| Test Configuration |                 |                 |                                       |
|--------------------|-----------------|-----------------|---------------------------------------|
| Frequency Range:   | 5.925-7.125 GHz | Band:           | U-NII-5, U-NII-6,<br>U-NII-7, U-NII-8 |
| Limit Clause(s):   | 15.407(b)       | Test Method(s): | KDB 987594 clause j                   |

| DUT Configuration         |                       |                          |     |
|---------------------------|-----------------------|--------------------------|-----|
| Mode:                     | 802.11ax HE160 SU LPI | Duty Cycle (%):          | -   |
| Modulation Coding Scheme: | MCS2x1                | DCCF (dB):               | -   |
| Antenna Configuration:    | MIMO CDD              | Peak Antenna Gain (dBi): | -   |
| Active Port(s):           | A+B (Core 0 + Core 1) | Active Chain Id(s):      | 0+1 |

| Test Frequency (MHz) | Unwanted Emissions Within the RLAN Band Margin (dB) |       |   |   |
|----------------------|-----------------------------------------------------|-------|---|---|
|                      | A                                                   | B     | C | D |
| 6025                 | 6.70                                                | 7.50  | - | - |
| 6185                 | 7.28                                                | 9.70  | - | - |
| 6345                 | 6.88                                                | 8.42  | - | - |
| 6505                 | 7.19                                                | 8.74  | - | - |
| 6665                 | 7.01                                                | 7.34  | - | - |
| 6825                 | 8.13                                                | 10.09 | - | - |
| 6985                 | 8.50                                                | 9.49  | - | - |

**Table 545 - Unwanted Emissions Within the Band Results**



| Test Configuration |                 |                 |                                       |
|--------------------|-----------------|-----------------|---------------------------------------|
| Frequency Range:   | 5.925-7.125 GHz | Band:           | U-NII-5, U-NII-6,<br>U-NII-7, U-NII-8 |
| Limit Clause(s):   | 15.407(b)       | Test Method(s): | KDB 987594 clause j                   |

| DUT Configuration         |                        |                          |     |
|---------------------------|------------------------|--------------------------|-----|
| Mode:                     | 802.11ax HE20 RU52 LPI | Duty Cycle (%):          | -   |
| Modulation Coding Scheme: | MCS2x1                 | DCCF (dB):               | -   |
| Antenna Configuration:    | MIMO CDD               | Peak Antenna Gain (dBi): | -   |
| Active Port(s):           | A+B (Core 0 + Core 1)  | Active Chain Id(s):      | 0+1 |

| Test Frequency (MHz) | Unwanted Emissions Within the RLAN Band Margin (dB) |       |   |   |
|----------------------|-----------------------------------------------------|-------|---|---|
|                      | A                                                   | B     | C | D |
| 5955 (RU52.37)       | 18.35                                               | 18.50 | - | - |
| 6175 (RU52.37)       | 18.17                                               | 18.33 | - | - |
| 6415 (RU52.40)       | 17.29                                               | 18.09 | - | - |
| 6435 (RU52.37)       | 17.43                                               | 18.14 | - | - |
| 6475 (RU52.37)       | 17.73                                               | 18.05 | - | - |
| 6515 (RU52.40)       | 17.75                                               | 17.59 | - | - |
| 6535 (RU52.37)       | 17.84                                               | 18.06 | - | - |
| 6695 (RU52.37)       | 17.63                                               | 16.18 | - | - |
| 6855 (RU52.40)       | 17.60                                               | 17.21 | - | - |
| 6875 (RU52.38)       | 17.34                                               | 17.17 | - | - |
| 6875 (RU52.39)       | 17.53                                               | 16.89 | - | - |
| 6895 (RU52.37)       | 17.47                                               | 17.14 | - | - |
| 6995 (RU52.37)       | 17.55                                               | 16.39 | - | - |
| 7095 (RU52.40)       | 17.31                                               | 17.33 | - | - |

**Table 546 - Unwanted Emissions Within the Band Results**



| Test Configuration |                 |                 |                                       |
|--------------------|-----------------|-----------------|---------------------------------------|
| Frequency Range:   | 5.925-7.125 GHz | Band:           | U-NII-5, U-NII-6,<br>U-NII-7, U-NII-8 |
| Limit Clause(s):   | 15.407(b)       | Test Method(s): | KDB 987594 clause j                   |

| DUT Configuration         |                         |                          |     |
|---------------------------|-------------------------|--------------------------|-----|
| Mode:                     | 802.11ax HE20 RU106 LPI | Duty Cycle (%):          | -   |
| Modulation Coding Scheme: | MCS2x1                  | DCCF (dB):               | -   |
| Antenna Configuration:    | MIMO CDD                | Peak Antenna Gain (dBi): | -   |
| Active Port(s):           | A+B (Core 0 + Core 1)   | Active Chain Id(s):      | 0+1 |

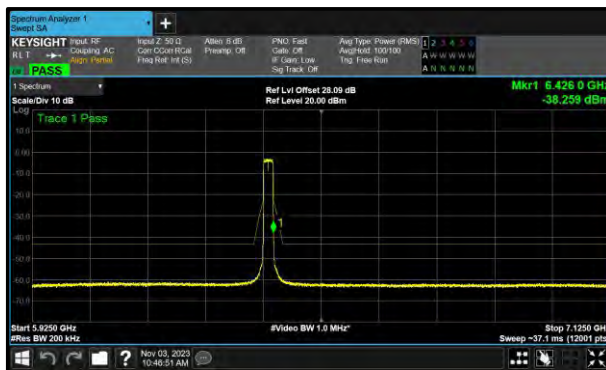
| Test Frequency (MHz) | Unwanted Emissions Within the RLAN Band Margin (dB) |       |   |   |
|----------------------|-----------------------------------------------------|-------|---|---|
|                      | A                                                   | B     | C | D |
| 5955 (RU106.53)      | 17.94                                               | 17.87 | - | - |
| 6175 (RU106.53)      | 17.93                                               | 18.44 | - | - |
| 6415 (RU106.54)      | 16.83                                               | 17.81 | - | - |
| 6435 (RU106.53)      | 17.52                                               | 17.93 | - | - |
| 6475 (RU106.53)      | 17.47                                               | 17.29 | - | - |
| 6515 (RU106.54)      | 17.47                                               | 18.04 | - | - |
| 6535 (RU106.53)      | 17.58                                               | 17.86 | - | - |
| 6695 (RU106.53)      | 17.53                                               | 16.50 | - | - |
| 6855 (RU106.54)      | 17.38                                               | 16.92 | - | - |
| 6875 (RU106.53)      | 16.37                                               | 16.51 | - | - |
| 6875 (RU106.54)      | 17.17                                               | 16.62 | - | - |
| 6895 (RU106.53)      | 17.29                                               | 16.52 | - | - |
| 6995 (RU106.53)      | 17.62                                               | 16.26 | - | - |
| 7095 (RU106.54)      | 17.63                                               | 16.76 | - | - |

**Table 547 - Unwanted Emissions Within the Band Results**

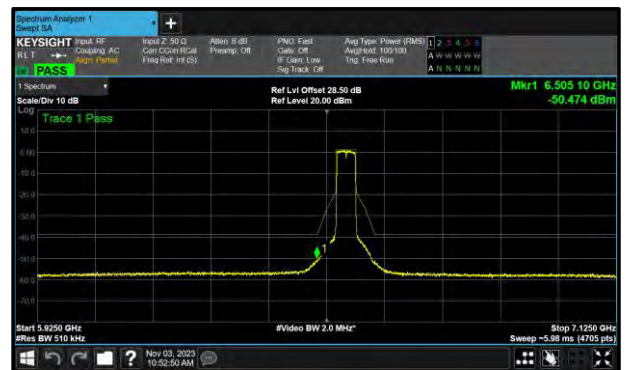


| Protocol             | Unwanted Emissions Within the RLAN Band |                 |
|----------------------|-----------------------------------------|-----------------|
|                      | Margin (dB)                             | Frequency (MHz) |
| 802.11ax HE20 SU SP  | 15.16                                   | 6426.000        |
| 802.11ax HE40 SU SP  | 11.74                                   | 6505.102        |
| 802.11ax HE80 SU SP  | 3.97                                    | 6471.500        |
| 802.11ax HE160 SU SP | 5.89                                    | 5946.500        |

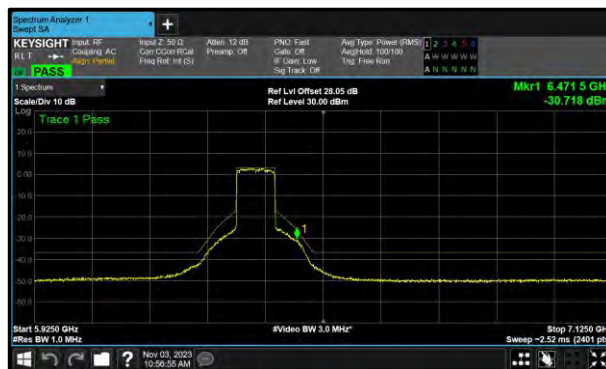
**Table 548 - Unwanted Emissions Within the RLAN Band Summary Results - MIMO CDD SP**



**Figure 261 - B (Core 1) 802.11ax HE20 SU SP  
6415 MHz (CH93)**



**Figure 262 - A (Core 0) 802.11ax HE40 SU SP  
6565 MHz (CH123)**



**Figure 263 - A (Core 0) 802.11ax HE80 SU SP  
6385 MHz (CH87)**



**Figure 264 - B (Core 1) 802.11ax HE160 SU SP  
6185 MHz (CH47)**

| Protocol               | Unwanted Emissions Within the RLAN Band |                 |
|------------------------|-----------------------------------------|-----------------|
|                        | Margin (dB)                             | Frequency (MHz) |
| 802.11ax HE20 RU106 SP | 17.26                                   | 6425.700        |
| 802.11ax HE20 RU26 SP  | 10.83                                   | 6220.500        |
| 802.11ax HE20 RU52 SP  | 13.69                                   | 6969.200        |

**Table 549 - Unwanted Emissions Within the RLAN Band Summary Results - MIMO CDD RU SP**



**Figure 265 - A (Core 0) 802.11ax HE20 RU106 SP  
6415 MHz (CH93)**



**Figure 266 - B (Core 1) 802.11ax HE20 RU26 SP  
6415 MHz (CH93)**



**Figure 267 - A (Core 0) 802.11ax HE20 RU52 SP  
6535 MHz (CH117)**



| Test Configuration |                 |                 |                     |
|--------------------|-----------------|-----------------|---------------------|
| Frequency Range:   | 5.925-7.125 GHz | Band:           | U-NII-5, U-NII-7    |
| Limit Clause(s):   | 15.407(b)       | Test Method(s): | KDB 987594 clause j |

| DUT Configuration         |                       |                          |     |
|---------------------------|-----------------------|--------------------------|-----|
| Mode:                     | 802.11ax HE20 SU SP   | Duty Cycle (%):          | -   |
| Modulation Coding Scheme: | MCS2x1                | DCCF (dB):               | -   |
| Antenna Configuration:    | MIMO CDD              | Peak Antenna Gain (dBi): | -   |
| Active Port(s):           | A+B (Core 0 + Core 1) | Active Chain Id(s):      | 0+1 |

| Test Frequency (MHz) | Unwanted Emissions Within the RLAN Band Margin (dB) |       |   |   |
|----------------------|-----------------------------------------------------|-------|---|---|
|                      | A                                                   | B     | C | D |
| 5955                 | 16.87                                               | 16.39 | - | - |
| 6175                 | 17.22                                               | 16.90 | - | - |
| 6415                 | 16.95                                               | 15.16 | - | - |
| 6535                 | 16.75                                               | 16.37 | - | - |
| 6695                 | 16.08                                               | 16.32 | - | - |
| 6855                 | 15.87                                               | 16.39 | - | - |

**Table 550 - Unwanted Emissions Within the Band Results**

| Test Configuration |                 |                 |                     |
|--------------------|-----------------|-----------------|---------------------|
| Frequency Range:   | 5.925-7.125 GHz | Band:           | U-NII-5, U-NII-7    |
| Limit Clause(s):   | 15.407(b)       | Test Method(s): | KDB 987594 clause j |

| DUT Configuration         |                       |                          |     |
|---------------------------|-----------------------|--------------------------|-----|
| Mode:                     | 802.11ax HE40 SU SP   | Duty Cycle (%):          | -   |
| Modulation Coding Scheme: | MCS2x1                | DCCF (dB):               | -   |
| Antenna Configuration:    | MIMO CDD              | Peak Antenna Gain (dBi): | -   |
| Active Port(s):           | A+B (Core 0 + Core 1) | Active Chain Id(s):      | 0+1 |

| Test Frequency (MHz) | Unwanted Emissions Within the RLAN Band Margin (dB) |       |   |   |
|----------------------|-----------------------------------------------------|-------|---|---|
|                      | A                                                   | B     | C | D |
| 5965                 | 13.74                                               | 16.22 | - | - |
| 6165                 | 13.54                                               | 12.72 | - | - |
| 6405                 | 12.47                                               | 13.66 | - | - |
| 6565                 | 11.74                                               | 12.03 | - | - |
| 6685                 | 13.00                                               | 12.61 | - | - |
| 6845                 | 13.91                                               | 12.16 | - | - |

**Table 551 - Unwanted Emissions Within the Band Results**



| Test Configuration |                 |                 |                     |
|--------------------|-----------------|-----------------|---------------------|
| Frequency Range:   | 5.925-7.125 GHz | Band:           | U-NII-5, U-NII-7    |
| Limit Clause(s):   | 15.407(b)       | Test Method(s): | KDB 987594 clause j |

| DUT Configuration         |                       |                          |     |
|---------------------------|-----------------------|--------------------------|-----|
| Mode:                     | 802.11ax HE80 SU SP   | Duty Cycle (%):          | -   |
| Modulation Coding Scheme: | MCS2x1                | DCCF (dB):               | -   |
| Antenna Configuration:    | MIMO CDD              | Peak Antenna Gain (dBi): | -   |
| Active Port(s):           | A+B (Core 0 + Core 1) | Active Chain Id(s):      | 0+1 |

| Test Frequency (MHz) | Unwanted Emissions Within the RLAN Band Margin (dB) |       |   |   |
|----------------------|-----------------------------------------------------|-------|---|---|
|                      | A                                                   | B     | C | D |
| 5985                 | 9.48                                                | 10.06 | - | - |
| 6145                 | 4.89                                                | 4.57  | - | - |
| 6385                 | 3.97                                                | 4.07  | - | - |
| 6625                 | 5.08                                                | 5.47  | - | - |
| 6705                 | 6.45                                                | 6.67  | - | - |
| 6785                 | 5.61                                                | 4.28  | - | - |

**Table 552 - Unwanted Emissions Within the Band Results**

| Test Configuration |                 |                 |                     |
|--------------------|-----------------|-----------------|---------------------|
| Frequency Range:   | 5.925-7.125 GHz | Band:           | U-NII-5, U-NII-7    |
| Limit Clause(s):   | 15.407(b)       | Test Method(s): | KDB 987594 clause j |

| DUT Configuration         |                       |                          |     |
|---------------------------|-----------------------|--------------------------|-----|
| Mode:                     | 802.11ax HE160 SU SP  | Duty Cycle (%):          | -   |
| Modulation Coding Scheme: | MCS2x1                | DCCF (dB):               | -   |
| Antenna Configuration:    | MIMO CDD              | Peak Antenna Gain (dBi): | -   |
| Active Port(s):           | A+B (Core 0 + Core 1) | Active Chain Id(s):      | 0+1 |

| Test Frequency (MHz) | Unwanted Emissions Within the RLAN Band Margin (dB) |      |   |   |
|----------------------|-----------------------------------------------------|------|---|---|
|                      | A                                                   | B    | C | D |
| 6025                 | 9.20                                                | 9.27 | - | - |
| 6185                 | 7.12                                                | 5.89 | - | - |
| 6345                 | 6.56                                                | 6.14 | - | - |
| 6665                 | 7.31                                                | 8.38 | - | - |

**Table 553 - Unwanted Emissions Within the Band Results**



| Test Configuration |                 |                 |                     |
|--------------------|-----------------|-----------------|---------------------|
| Frequency Range:   | 5.925-7.125 GHz | Band:           | U-NII-5, U-NII-7    |
| Limit Clause(s):   | 15.407(b)       | Test Method(s): | KDB 987594 clause j |

| DUT Configuration         |                       |                          |     |
|---------------------------|-----------------------|--------------------------|-----|
| Mode:                     | 802.11ax HE20 RU26 SP | Duty Cycle (%):          | -   |
| Modulation Coding Scheme: | MCS2x1                | DCCF (dB):               | -   |
| Antenna Configuration:    | MIMO CDD              | Peak Antenna Gain (dBi): | -   |
| Active Port(s):           | A+B (Core 0 + Core 1) | Active Chain Id(s):      | 0+1 |

| Test Frequency (MHz) | Unwanted Emissions Within the RLAN Band Margin (dB) |       |   |   |
|----------------------|-----------------------------------------------------|-------|---|---|
|                      | A                                                   | B     | C | D |
| 5955 (RU26.0)        | 11.33                                               | 11.93 | - | - |
| 6175 (RU26.0)        | 12.88                                               | 13.30 | - | - |
| 6415 (RU26.8)        | 11.23                                               | 10.83 | - | - |
| 6535 (RU26.0)        | 12.24                                               | 12.63 | - | - |
| 6695 (RU26.0)        | 12.66                                               | 12.34 | - | - |
| 6855 (RU26.8)        | 12.26                                               | 12.14 | - | - |

**Table 554 - Unwanted Emissions Within the Band Results**

| Test Configuration |                 |                 |                     |
|--------------------|-----------------|-----------------|---------------------|
| Frequency Range:   | 5.925-7.125 GHz | Band:           | U-NII-5, U-NII-7    |
| Limit Clause(s):   | 15.407(b)       | Test Method(s): | KDB 987594 clause j |

| DUT Configuration         |                       |                          |     |
|---------------------------|-----------------------|--------------------------|-----|
| Mode:                     | 802.11ax HE20 RU52 SP | Duty Cycle (%):          | -   |
| Modulation Coding Scheme: | MCS2x1                | DCCF (dB):               | -   |
| Antenna Configuration:    | MIMO CDD              | Peak Antenna Gain (dBi): | -   |
| Active Port(s):           | A+B (Core 0 + Core 1) | Active Chain Id(s):      | 0+1 |

| Test Frequency (MHz) | Unwanted Emissions Within the RLAN Band Margin (dB) |       |   |   |
|----------------------|-----------------------------------------------------|-------|---|---|
|                      | A                                                   | B     | C | D |
| 5955 (RU52.37)       | 16.74                                               | 17.41 | - | - |
| 6175 (RU52.37)       | 17.00                                               | 17.89 | - | - |
| 6415 (RU52.40)       | 17.90                                               | 16.87 | - | - |
| 6535 (RU52.37)       | 13.69                                               | 14.43 | - | - |
| 6695 (RU52.37)       | 18.84                                               | 19.31 | - | - |
| 6855 (RU52.40)       | 17.58                                               | 17.18 | - | - |

**Table 555 - Unwanted Emissions Within the Band Results**



| Test Configuration |                 |                 |                     |
|--------------------|-----------------|-----------------|---------------------|
| Frequency Range:   | 5.925-7.125 GHz | Band:           | U-NII-5, U-NII-7    |
| Limit Clause(s):   | 15.407(b)       | Test Method(s): | KDB 987594 clause j |

| DUT Configuration         |                        |                          |     |
|---------------------------|------------------------|--------------------------|-----|
| Mode:                     | 802.11ax HE20 RU106 SP | Duty Cycle (%):          | -   |
| Modulation Coding Scheme: | MCS2x1                 | DCCF (dB):               | -   |
| Antenna Configuration:    | MIMO CDD               | Peak Antenna Gain (dBi): | -   |
| Active Port(s):           | A+B (Core 0 + Core 1)  | Active Chain Id(s):      | 0+1 |

| Test Frequency (MHz) | Unwanted Emissions Within the RLAN Band Margin (dB) |       |   |   |
|----------------------|-----------------------------------------------------|-------|---|---|
|                      | A                                                   | B     | C | D |
| 5955 (RU106.53)      | 17.65                                               | 18.53 | - | - |
| 6175 (RU106.53)      | 18.56                                               | 18.30 | - | - |
| 6415 (RU106.54)      | 17.26                                               | 17.64 | - | - |
| 6535 (RU106.53)      | 18.40                                               | 18.04 | - | - |
| 6695 (RU106.53)      | 18.46                                               | 18.85 | - | - |
| 6855 (RU106.54)      | 17.49                                               | 18.93 | - | - |

**Table 556 - Unwanted Emissions Within the Band Results**

## MIMO SDM

| Protocol              | Unwanted Emissions Within the RLAN Band |                 |
|-----------------------|-----------------------------------------|-----------------|
|                       | Margin (dB)                             | Frequency (MHz) |
| 802.11ax HE20 SU LPI  | 15.04                                   | 7106.000        |
| 802.11ax HE40 SU LPI  | 11.16                                   | 5957.398        |
| 802.11ax HE80 SU LPI  | 7.79                                    | 6826.000        |
| 802.11ax HE160 SU LPI | 6.36                                    | 7066.000        |

Table 557 - Unwanted Emissions Within the RLAN Band Summary Results - MIMO SDM LPI



Figure 268 - A (Core 0) 802.11ax HE20 SU LPI  
7095 MHz (CH229)

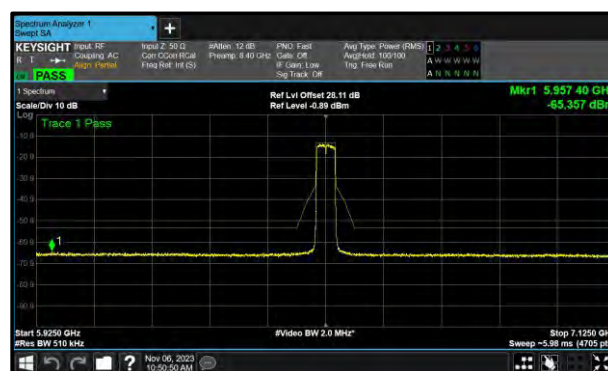


Figure 269 - A (Core 0) 802.11ax HE40 SU LPI  
6525 MHz (CH115)

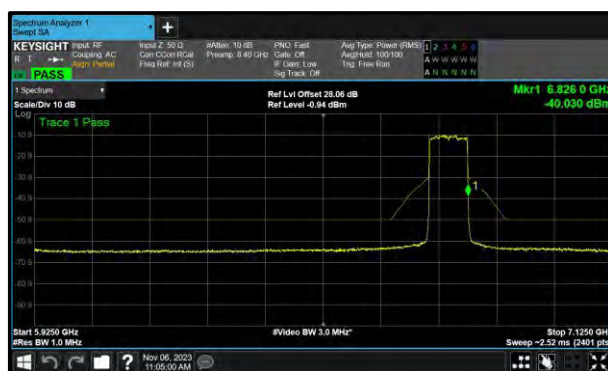


Figure 270 - B (Core 1) 802.11ax HE80 SU LPI  
6785 MHz (CH167)

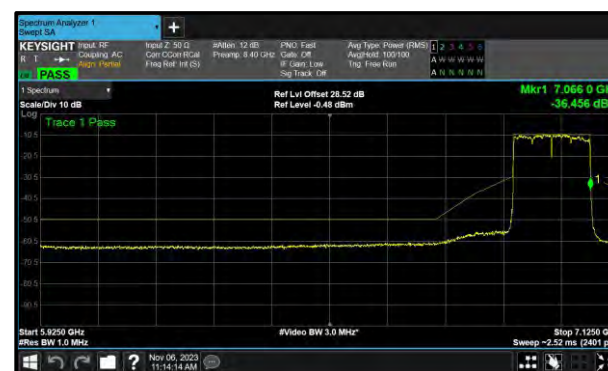


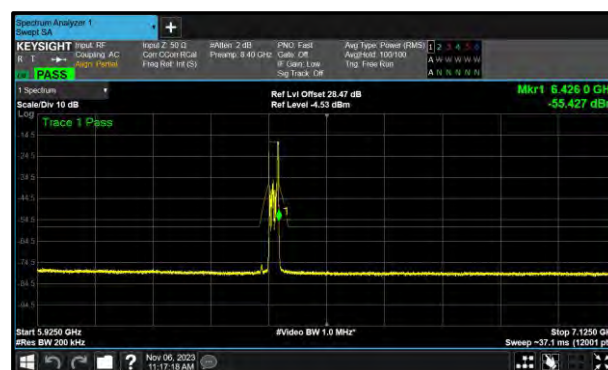
Figure 271 - A (Core 0) 802.11ax HE160 SU LPI  
6985 MHz (CH207)

| Protocol                | Unwanted Emissions Within the RLAN Band |                 |
|-------------------------|-----------------------------------------|-----------------|
|                         | Margin (dB)                             | Frequency (MHz) |
| 802.11ax HE20 RU106 LPI | 3.69                                    | 6126.200        |
| 802.11ax HE20 RU26 LPI  | 17.73                                   | 6426.000        |
| 802.11ax HE20 RU52 LPI  | 16.98                                   | 6425.900        |

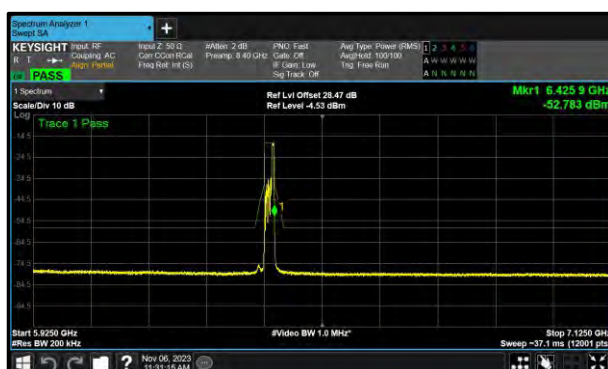
**Table 558 - Unwanted Emissions Within the RLAN Band Summary Results - MIMO SDM RU LPI**



**Figure 272 - B (Core 1) 802.11ax HE20 RU106 LPI 6475 MHz (CH105)**



**Figure 273 - A (Core 0) 802.11ax HE20 RU26 LPI 6415 MHz (CH93)**



**Figure 274 - A (Core 0) 802.11ax HE20 RU52 LPI 6415 MHz (CH93)**



| Test Configuration |                 |                 |                                       |
|--------------------|-----------------|-----------------|---------------------------------------|
| Frequency Range:   | 5.925-7.125 GHz | Band:           | U-NII-5, U-NII-6,<br>U-NII-7, U-NII-8 |
| Limit Clause(s):   | 15.407(b)       | Test Method(s): | KDB 987594 clause j                   |

| DUT Configuration         |                       |                          |     |
|---------------------------|-----------------------|--------------------------|-----|
| Mode:                     | 802.11ax HE20 SU LPI  | Duty Cycle (%):          | -   |
| Modulation Coding Scheme: | MCS2x2                | DCCF (dB):               | -   |
| Antenna Configuration:    | MIMO SDM              | Peak Antenna Gain (dBi): | -   |
| Active Port(s):           | A+B (Core 0 + Core 1) | Active Chain Id(s):      | 0+1 |

| Test Frequency (MHz) | Unwanted Emissions Within the RLAN Band Margin (dB) |       |   |   |
|----------------------|-----------------------------------------------------|-------|---|---|
|                      | A                                                   | B     | C | D |
| 5955                 | 15.73                                               | 16.58 | - | - |
| 6175                 | 15.66                                               | 17.13 | - | - |
| 6415                 | 15.97                                               | 16.12 | - | - |
| 6435                 | 15.15                                               | 16.18 | - | - |
| 6475                 | 15.39                                               | 15.65 | - | - |
| 6515                 | 16.12                                               | 16.34 | - | - |
| 6535                 | 15.97                                               | 16.40 | - | - |
| 6695                 | 16.22                                               | 16.19 | - | - |
| 6855                 | 16.19                                               | 16.29 | - | - |
| 6875                 | 16.34                                               | 16.36 | - | - |
| 6895                 | 16.08                                               | 16.10 | - | - |
| 6995                 | 15.75                                               | 16.23 | - | - |
| 7095                 | 15.04                                               | 15.66 | - | - |

**Table 559 - Unwanted Emissions Within the Band Results**



| Test Configuration |                 |                 |                                       |
|--------------------|-----------------|-----------------|---------------------------------------|
| Frequency Range:   | 5.925-7.125 GHz | Band:           | U-NII-5, U-NII-6,<br>U-NII-7, U-NII-8 |
| Limit Clause(s):   | 15.407(b)       | Test Method(s): | KDB 987594 clause j                   |

| DUT Configuration         |                       |                          |     |
|---------------------------|-----------------------|--------------------------|-----|
| Mode:                     | 802.11ax HE40 SU LPI  | Duty Cycle (%):          | -   |
| Modulation Coding Scheme: | MCS2x2                | DCCF (dB):               | -   |
| Antenna Configuration:    | MIMO SDM              | Peak Antenna Gain (dBi): | -   |
| Active Port(s):           | A+B (Core 0 + Core 1) | Active Chain Id(s):      | 0+1 |

| Test Frequency (MHz) | Unwanted Emissions Within the RLAN Band Margin (dB) |       |   |   |
|----------------------|-----------------------------------------------------|-------|---|---|
|                      | A                                                   | B     | C | D |
| 5965                 | 12.68                                               | 12.15 | - | - |
| 6165                 | 11.87                                               | 13.80 | - | - |
| 6405                 | 12.43                                               | 12.39 | - | - |
| 6445                 | 12.61                                               | 12.91 | - | - |
| 6485                 | 12.68                                               | 12.33 | - | - |
| 6525                 | 11.16                                               | 12.64 | - | - |
| 6565                 | 11.96                                               | 11.46 | - | - |
| 6685                 | 12.90                                               | 12.22 | - | - |
| 6845                 | 12.68                                               | 13.22 | - | - |
| 6885                 | 12.77                                               | 13.11 | - | - |
| 6925                 | 13.00                                               | 13.61 | - | - |
| 7005                 | 13.10                                               | 12.15 | - | - |
| 7085                 | 13.01                                               | 13.34 | - | - |

**Table 560 - Unwanted Emissions Within the Band Results**



| Test Configuration |                 |                 |                                       |
|--------------------|-----------------|-----------------|---------------------------------------|
| Frequency Range:   | 5.925-7.125 GHz | Band:           | U-NII-5, U-NII-6,<br>U-NII-7, U-NII-8 |
| Limit Clause(s):   | 15.407(b)       | Test Method(s): | KDB 987594 clause j                   |

| DUT Configuration         |                       |                          |     |
|---------------------------|-----------------------|--------------------------|-----|
| Mode:                     | 802.11ax HE80 SU LPI  | Duty Cycle (%):          | -   |
| Modulation Coding Scheme: | MCS2x2                | DCCF (dB):               | -   |
| Antenna Configuration:    | MIMO SDM              | Peak Antenna Gain (dBi): | -   |
| Active Port(s):           | A+B (Core 0 + Core 1) | Active Chain Id(s):      | 0+1 |

| Test Frequency (MHz) | Unwanted Emissions Within the RLAN Band Margin (dB) |      |   |   |
|----------------------|-----------------------------------------------------|------|---|---|
|                      | A                                                   | B    | C | D |
| 5985                 | 9.05                                                | 9.63 | - | - |
| 6145                 | 9.16                                                | 8.58 | - | - |
| 6385                 | 9.31                                                | 9.81 | - | - |
| 6465                 | 8.74                                                | 9.16 | - | - |
| 6545                 | 9.45                                                | 9.51 | - | - |
| 6625                 | 8.62                                                | 9.62 | - | - |
| 6705                 | 9.42                                                | 9.46 | - | - |
| 6785                 | 8.88                                                | 7.79 | - | - |
| 6865                 | 9.01                                                | 8.99 | - | - |
| 6945                 | 9.23                                                | 8.56 | - | - |
| 7025                 | 9.97                                                | 9.65 | - | - |

**Table 561 - Unwanted Emissions Within the Band Results**



| Test Configuration |                 |                 |                                       |
|--------------------|-----------------|-----------------|---------------------------------------|
| Frequency Range:   | 5.925-7.125 GHz | Band:           | U-NII-5, U-NII-6,<br>U-NII-7, U-NII-8 |
| Limit Clause(s):   | 15.407(b)       | Test Method(s): | KDB 987594 clause j                   |

| DUT Configuration         |                       |                          |     |
|---------------------------|-----------------------|--------------------------|-----|
| Mode:                     | 802.11ax HE160 SU LPI | Duty Cycle (%):          | -   |
| Modulation Coding Scheme: | MCS2x2                | DCCF (dB):               | -   |
| Antenna Configuration:    | MIMO SDM              | Peak Antenna Gain (dBi): | -   |
| Active Port(s):           | A+B (Core 0 + Core 1) | Active Chain Id(s):      | 0+1 |

| Test Frequency<br>(MHz) | Unwanted Emissions Within the RLAN Band Margin (dB) |      |   |   |
|-------------------------|-----------------------------------------------------|------|---|---|
|                         | A                                                   | B    | C | D |
| 6025                    | 7.91                                                | 8.45 | - | - |
| 6185                    | 6.80                                                | 9.54 | - | - |
| 6345                    | 8.66                                                | 7.51 | - | - |
| 6505                    | 6.95                                                | 8.28 | - | - |
| 6665                    | 7.17                                                | 7.21 | - | - |
| 6825                    | 7.80                                                | 8.05 | - | - |
| 6985                    | 6.36                                                | 7.44 | - | - |

**Table 562 - Unwanted Emissions Within the Band Results**



| Test Configuration |                 |                 |                                       |
|--------------------|-----------------|-----------------|---------------------------------------|
| Frequency Range:   | 5.925-7.125 GHz | Band:           | U-NII-5, U-NII-6,<br>U-NII-7, U-NII-8 |
| Limit Clause(s):   | 15.407(b)       | Test Method(s): | KDB 987594 clause j                   |

| DUT Configuration         |                        |                          |     |
|---------------------------|------------------------|--------------------------|-----|
| Mode:                     | 802.11ax HE20 RU26 LPI | Duty Cycle (%):          | -   |
| Modulation Coding Scheme: | MCS2x2                 | DCCF (dB):               | -   |
| Antenna Configuration:    | MIMO SDM               | Peak Antenna Gain (dBi): | -   |
| Active Port(s):           | A+B (Core 0 + Core 1)  | Active Chain Id(s):      | 0+1 |

| Test Frequency (MHz) | Unwanted Emissions Within the RLAN Band Margin (dB) |       |   |   |
|----------------------|-----------------------------------------------------|-------|---|---|
|                      | A                                                   | B     | C | D |
| 5955 (RU26.0)        | 19.27                                               | 18.88 | - | - |
| 6175 (RU26.0)        | 20.35                                               | 20.88 | - | - |
| 6415 (RU26.8)        | 17.73                                               | 18.84 | - | - |
| 6435 (RU26.0)        | 19.71                                               | 19.48 | - | - |
| 6475 (RU26.0)        | 19.40                                               | 19.77 | - | - |
| 6515 (RU26.8)        | 19.35                                               | 18.74 | - | - |
| 6535 (RU26.0)        | 19.92                                               | 20.16 | - | - |
| 6695 (RU26.0)        | 19.61                                               | 17.90 | - | - |
| 6855 (RU26.8)        | 19.00                                               | 18.54 | - | - |
| 6875 (RU26.3)        | 19.82                                               | 19.05 | - | - |
| 6875 (RU26.5)        | 19.89                                               | 19.49 | - | - |
| 6895 (RU26.0)        | 19.94                                               | 19.46 | - | - |
| 6995 (RU26.0)        | 20.23                                               | 19.23 | - | - |
| 7095 (RU26.8)        | 19.10                                               | 18.70 | - | - |

**Table 563 - Unwanted Emissions Within the Band Results**



| Test Configuration |                 |                 |                                       |
|--------------------|-----------------|-----------------|---------------------------------------|
| Frequency Range:   | 5.925-7.125 GHz | Band:           | U-NII-5, U-NII-6,<br>U-NII-7, U-NII-8 |
| Limit Clause(s):   | 15.407(b)       | Test Method(s): | KDB 987594 clause j                   |

| DUT Configuration         |                        |                          |     |
|---------------------------|------------------------|--------------------------|-----|
| Mode:                     | 802.11ax HE20 RU52 LPI | Duty Cycle (%):          | -   |
| Modulation Coding Scheme: | MCS2x2                 | DCCF (dB):               | -   |
| Antenna Configuration:    | MIMO SDM               | Peak Antenna Gain (dBi): | -   |
| Active Port(s):           | A+B (Core 0 + Core 1)  | Active Chain Id(s):      | 0+1 |

| Test Frequency (MHz) | Unwanted Emissions Within the RLAN Band Margin (dB) |       |   |   |
|----------------------|-----------------------------------------------------|-------|---|---|
|                      | A                                                   | B     | C | D |
| 5955 (RU52.37)       | 19.02                                               | 19.77 | - | - |
| 6175 (RU52.37)       | 20.21                                               | 20.08 | - | - |
| 6415 (RU52.40)       | 16.98                                               | 17.77 | - | - |
| 6435 (RU52.37)       | 19.37                                               | 19.57 | - | - |
| 6475 (RU52.37)       | 19.77                                               | 19.59 | - | - |
| 6515 (RU52.40)       | 17.67                                               | 17.76 | - | - |
| 6535 (RU52.37)       | 19.08                                               | 18.85 | - | - |
| 6695 (RU52.37)       | 19.63                                               | 18.50 | - | - |
| 6855 (RU52.40)       | 17.67                                               | 18.80 | - | - |
| 6875 (RU52.38)       | 19.85                                               | 19.04 | - | - |
| 6875 (RU52.39)       | 20.15                                               | 19.16 | - | - |
| 6895 (RU52.37)       | 19.12                                               | 19.27 | - | - |
| 6995 (RU52.37)       | 19.90                                               | 18.89 | - | - |
| 7095 (RU52.40)       | 18.55                                               | 17.39 | - | - |

**Table 564 - Unwanted Emissions Within the Band Results**



| Test Configuration |                 |                 |                                       |
|--------------------|-----------------|-----------------|---------------------------------------|
| Frequency Range:   | 5.925-7.125 GHz | Band:           | U-NII-5, U-NII-6,<br>U-NII-7, U-NII-8 |
| Limit Clause(s):   | 15.407(b)       | Test Method(s): | KDB 987594 clause j                   |

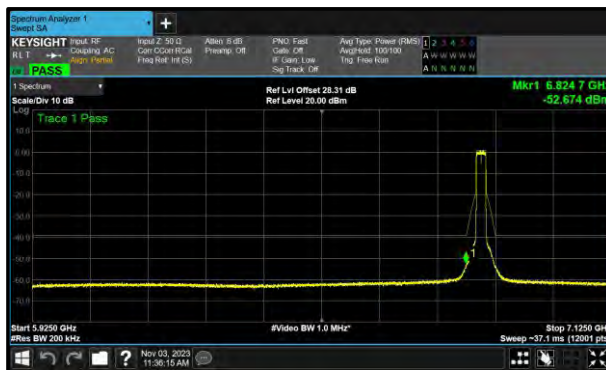
| DUT Configuration         |                         |                          |     |
|---------------------------|-------------------------|--------------------------|-----|
| Mode:                     | 802.11ax HE20 RU106 LPI | Duty Cycle (%):          | -   |
| Modulation Coding Scheme: | MCS2x2                  | DCCF (dB):               | -   |
| Antenna Configuration:    | MIMO SDM                | Peak Antenna Gain (dBi): | -   |
| Active Port(s):           | A+B (Core 0 + Core 1)   | Active Chain Id(s):      | 0+1 |

| Test Frequency (MHz) | Unwanted Emissions Within the RLAN Band Margin (dB) |      |   |   |
|----------------------|-----------------------------------------------------|------|---|---|
|                      | A                                                   | B    | C | D |
| 5955 (RU106.53)      | 4.38                                                | 5.32 | - | - |
| 6175 (RU106.53)      | 5.39                                                | 6.02 | - | - |
| 6415 (RU106.54)      | 4.35                                                | 4.31 | - | - |
| 6435 (RU106.53)      | 4.21                                                | 3.99 | - | - |
| 6475 (RU106.53)      | 4.46                                                | 3.69 | - | - |
| 6515 (RU106.54)      | 4.86                                                | 3.92 | - | - |
| 6535 (RU106.53)      | 4.50                                                | 4.42 | - | - |
| 6695 (RU106.53)      | 4.58                                                | 4.23 | - | - |
| 6855 (RU106.54)      | 4.97                                                | 4.49 | - | - |
| 6875 (RU106.53)      | 5.00                                                | 5.20 | - | - |
| 6875 (RU106.54)      | 4.69                                                | 4.89 | - | - |
| 6895 (RU106.53)      | 5.76                                                | 5.82 | - | - |
| 6995 (RU106.53)      | 4.91                                                | 4.85 | - | - |
| 7095 (RU106.54)      | 5.37                                                | 4.78 | - | - |

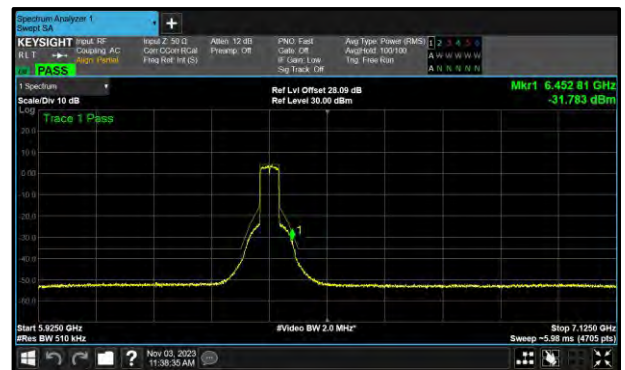
**Table 565 - Unwanted Emissions Within the Band Results**

| Protocol             | Unwanted Emissions Within the RLAN Band |                 |
|----------------------|-----------------------------------------|-----------------|
|                      | Margin (dB)                             | Frequency (MHz) |
| 802.11ax HE20 SU SP  | 13.57                                   | 6824.700        |
| 802.11ax HE40 SU SP  | 3.40                                    | 6452.806        |
| 802.11ax HE80 SU SP  | 2.61                                    | 6718.000        |
| 802.11ax HE160 SU SP | 5.62                                    | 6092.500        |

**Table 566 - Unwanted Emissions Within the RLAN Band Summary Results - MIMO SDM SP**



**Figure 275 - B (Core 1) 802.11ax HE20 SU SP  
6855 MHz (CH181)**



**Figure 276 - B (Core 1) 802.11ax HE40 SU SP  
6405 MHz (CH91)**



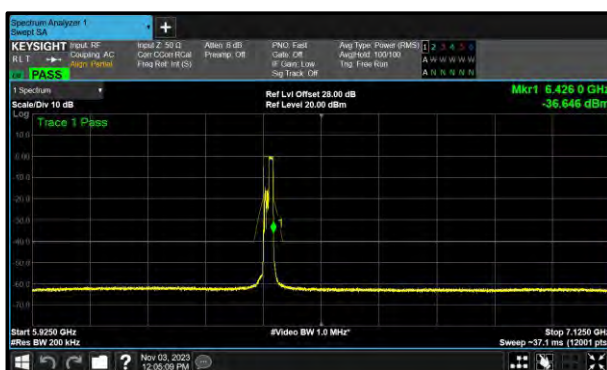
**Figure 277 - A (Core 0) 802.11ax HE80 SU SP  
6625 MHz (CH135)**



**Figure 278 - B (Core 1) 802.11ax HE160 SU SP  
6345 MHz (CH79)**

| Protocol               | Unwanted Emissions Within the RLAN Band |                 |
|------------------------|-----------------------------------------|-----------------|
|                        | Margin (dB)                             | Frequency (MHz) |
| 802.11ax HE20 RU106 SP | 16.45                                   | 6426.000        |
| 802.11ax HE20 RU26 SP  | 17.47                                   | 6426.000        |
| 802.11ax HE20 RU52 SP  | 16.93                                   | 6866.000        |

**Table 567 - Unwanted Emissions Within the RLAN Band Summary Results - MIMO SDM RU SP**



**Figure 279 - A (Core 0) 802.11ax HE20 RU106 SP 6415 MHz (CH93)**



**Figure 280 - B (Core 1) 802.11ax HE20 RU26 SP 6415 MHz (CH93)**



**Figure 281 - B (Core 1) 802.11ax HE20 RU52 SP 6855 MHz (CH181)**



| Test Configuration |                 |                 |                     |
|--------------------|-----------------|-----------------|---------------------|
| Frequency Range:   | 5.925-7.125 GHz | Band:           | U-NII-5, U-NII-7    |
| Limit Clause(s):   | 15.407(b)       | Test Method(s): | KDB 987594 clause j |

| DUT Configuration         |                       |                          |     |
|---------------------------|-----------------------|--------------------------|-----|
| Mode:                     | 802.11ax HE20 SU SP   | Duty Cycle (%):          | -   |
| Modulation Coding Scheme: | MCS2x2                | DCCF (dB):               | -   |
| Antenna Configuration:    | MIMO SDM              | Peak Antenna Gain (dBi): | -   |
| Active Port(s):           | A+B (Core 0 + Core 1) | Active Chain Id(s):      | 0+1 |

| Test Frequency (MHz) | Unwanted Emissions Within the RLAN Band Margin (dB) |       |   |   |
|----------------------|-----------------------------------------------------|-------|---|---|
|                      | A                                                   | B     | C | D |
| 5955                 | 15.96                                               | 16.50 | - | - |
| 6175                 | 16.38                                               | 14.76 | - | - |
| 6415                 | 15.22                                               | 14.53 | - | - |
| 6535                 | 14.26                                               | 13.86 | - | - |
| 6695                 | 14.90                                               | 13.58 | - | - |
| 6855                 | 15.46                                               | 13.57 | - | - |

**Table 568 - Unwanted Emissions Within the Band Results**

| Test Configuration |                 |                 |                     |
|--------------------|-----------------|-----------------|---------------------|
| Frequency Range:   | 5.925-7.125 GHz | Band:           | U-NII-5, U-NII-7    |
| Limit Clause(s):   | 15.407(b)       | Test Method(s): | KDB 987594 clause j |

| DUT Configuration         |                       |                          |     |
|---------------------------|-----------------------|--------------------------|-----|
| Mode:                     | 802.11ax HE40 SU SP   | Duty Cycle (%):          | -   |
| Modulation Coding Scheme: | MCS2x2                | DCCF (dB):               | -   |
| Antenna Configuration:    | MIMO SDM              | Peak Antenna Gain (dBi): | -   |
| Active Port(s):           | A+B (Core 0 + Core 1) | Active Chain Id(s):      | 0+1 |

| Test Frequency (MHz) | Unwanted Emissions Within the RLAN Band Margin (dB) |       |   |   |
|----------------------|-----------------------------------------------------|-------|---|---|
|                      | A                                                   | B     | C | D |
| 5965                 | 13.67                                               | 14.27 | - | - |
| 6165                 | 6.34                                                | 5.07  | - | - |
| 6405                 | 3.74                                                | 3.40  | - | - |
| 6565                 | 4.04                                                | 4.68  | - | - |
| 6685                 | 5.68                                                | 4.66  | - | - |
| 6845                 | 6.76                                                | 4.84  | - | - |

**Table 569 - Unwanted Emissions Within the Band Results**



| Test Configuration |                 |                 |                     |
|--------------------|-----------------|-----------------|---------------------|
| Frequency Range:   | 5.925-7.125 GHz | Band:           | U-NII-5, U-NII-7    |
| Limit Clause(s):   | 15.407(b)       | Test Method(s): | KDB 987594 clause j |

| DUT Configuration         |                       |                          |     |
|---------------------------|-----------------------|--------------------------|-----|
| Mode:                     | 802.11ax HE80 SU SP   | Duty Cycle (%):          | -   |
| Modulation Coding Scheme: | MCS2x2                | DCCF (dB):               | -   |
| Antenna Configuration:    | MIMO SDM              | Peak Antenna Gain (dBi): | -   |
| Active Port(s):           | A+B (Core 0 + Core 1) | Active Chain Id(s):      | 0+1 |

| Test Frequency (MHz) | Unwanted Emissions Within the RLAN Band Margin (dB) |      |   |   |
|----------------------|-----------------------------------------------------|------|---|---|
|                      | A                                                   | B    | C | D |
| 5985                 | 9.34                                                | 8.54 | - | - |
| 6145                 | 5.38                                                | 4.63 | - | - |
| 6385                 | 3.27                                                | 3.14 | - | - |
| 6625                 | 2.61                                                | 3.36 | - | - |
| 6705                 | 4.29                                                | 3.63 | - | - |
| 6785                 | 5.60                                                | 3.81 | - | - |

**Table 570 - Unwanted Emissions Within the Band Results**

| Test Configuration |                 |                 |                     |
|--------------------|-----------------|-----------------|---------------------|
| Frequency Range:   | 5.925-7.125 GHz | Band:           | U-NII-5, U-NII-7    |
| Limit Clause(s):   | 15.407(b)       | Test Method(s): | KDB 987594 clause j |

| DUT Configuration         |                       |                          |     |
|---------------------------|-----------------------|--------------------------|-----|
| Mode:                     | 802.11ax HE160 SU SP  | Duty Cycle (%):          | -   |
| Modulation Coding Scheme: | MCS2x2                | DCCF (dB):               | -   |
| Antenna Configuration:    | MIMO SDM              | Peak Antenna Gain (dBi): | -   |
| Active Port(s):           | A+B (Core 0 + Core 1) | Active Chain Id(s):      | 0+1 |

| Test Frequency (MHz) | Unwanted Emissions Within the RLAN Band Margin (dB) |      |   |   |
|----------------------|-----------------------------------------------------|------|---|---|
|                      | A                                                   | B    | C | D |
| 6025                 | 8.10                                                | 9.07 | - | - |
| 6185                 | 7.17                                                | 6.68 | - | - |
| 6345                 | 6.05                                                | 5.62 | - | - |
| 6665                 | 6.09                                                | 7.28 | - | - |

**Table 571 - Unwanted Emissions Within the Band Results**



| Test Configuration |                 |                 |                     |
|--------------------|-----------------|-----------------|---------------------|
| Frequency Range:   | 5.925-7.125 GHz | Band:           | U-NII-5, U-NII-7    |
| Limit Clause(s):   | 15.407(b)       | Test Method(s): | KDB 987594 clause j |

| DUT Configuration         |                       |                          |     |
|---------------------------|-----------------------|--------------------------|-----|
| Mode:                     | 802.11ax HE20 RU26 SP | Duty Cycle (%):          | -   |
| Modulation Coding Scheme: | MCS2x2                | DCCF (dB):               | -   |
| Antenna Configuration:    | MIMO SDM              | Peak Antenna Gain (dBi): | -   |
| Active Port(s):           | A+B (Core 0 + Core 1) | Active Chain Id(s):      | 0+1 |

| Test Frequency (MHz) | Unwanted Emissions Within the RLAN Band Margin (dB) |       |   |   |
|----------------------|-----------------------------------------------------|-------|---|---|
|                      | A                                                   | B     | C | D |
| 5955 (RU26.0)        | 18.52                                               | 18.91 | - | - |
| 6175 (RU26.0)        | 20.01                                               | 20.48 | - | - |
| 6415 (RU26.8)        | 18.79                                               | 17.47 | - | - |
| 6535 (RU26.0)        | 20.06                                               | 20.41 | - | - |
| 6695 (RU26.0)        | 20.25                                               | 19.86 | - | - |
| 6855 (RU26.8)        | 18.47                                               | 18.88 | - | - |

**Table 572 - Unwanted Emissions Within the Band Results**

| Test Configuration |                 |                 |                     |
|--------------------|-----------------|-----------------|---------------------|
| Frequency Range:   | 5.925-7.125 GHz | Band:           | U-NII-5, U-NII-7    |
| Limit Clause(s):   | 15.407(b)       | Test Method(s): | KDB 987594 clause j |

| DUT Configuration         |                       |                          |     |
|---------------------------|-----------------------|--------------------------|-----|
| Mode:                     | 802.11ax HE20 RU52 SP | Duty Cycle (%):          | -   |
| Modulation Coding Scheme: | MCS2x2                | DCCF (dB):               | -   |
| Antenna Configuration:    | MIMO SDM              | Peak Antenna Gain (dBi): | -   |
| Active Port(s):           | A+B (Core 0 + Core 1) | Active Chain Id(s):      | 0+1 |

| Test Frequency (MHz) | Unwanted Emissions Within the RLAN Band Margin (dB) |       |   |   |
|----------------------|-----------------------------------------------------|-------|---|---|
|                      | A                                                   | B     | C | D |
| 5955 (RU52.37)       | 19.56                                               | 20.10 | - | - |
| 6175 (RU52.37)       | 19.66                                               | 20.63 | - | - |
| 6415 (RU52.40)       | 17.41                                               | 19.74 | - | - |
| 6535 (RU52.37)       | 19.61                                               | 20.41 | - | - |
| 6695 (RU52.37)       | 19.48                                               | 20.33 | - | - |
| 6855 (RU52.40)       | 17.62                                               | 16.93 | - | - |

**Table 573 - Unwanted Emissions Within the Band Results**



| Test Configuration |                 |                 |                     |
|--------------------|-----------------|-----------------|---------------------|
| Frequency Range:   | 5.925-7.125 GHz | Band:           | U-NII-5, U-NII-7    |
| Limit Clause(s):   | 15.407(b)       | Test Method(s): | KDB 987594 clause j |

| DUT Configuration         |                        |                          |     |
|---------------------------|------------------------|--------------------------|-----|
| Mode:                     | 802.11ax HE20 RU106 SP | Duty Cycle (%):          | -   |
| Modulation Coding Scheme: | MCS2x2                 | DCCF (dB):               | -   |
| Antenna Configuration:    | MIMO SDM               | Peak Antenna Gain (dBi): | -   |
| Active Port(s):           | A+B (Core 0 + Core 1)  | Active Chain Id(s):      | 0+1 |

| Test Frequency (MHz) | Unwanted Emissions Within the RLAN Band Margin (dB) |       |   |   |
|----------------------|-----------------------------------------------------|-------|---|---|
|                      | A                                                   | B     | C | D |
| 5955 (RU106.53)      | 18.78                                               | 18.53 | - | - |
| 6175 (RU106.53)      | 18.09                                               | 19.04 | - | - |
| 6415 (RU106.54)      | 16.45                                               | 17.03 | - | - |
| 6535 (RU106.53)      | 19.66                                               | 18.81 | - | - |
| 6695 (RU106.53)      | 19.50                                               | 18.76 | - | - |
| 6855 (RU106.54)      | 17.83                                               | 17.64 | - | - |

**Table 574 - Unwanted Emissions Within the Band Results**



TxBF

| Protocol             | Unwanted Emissions Within the RLAN Band |                 |
|----------------------|-----------------------------------------|-----------------|
|                      | Margin (dB)                             | Frequency (MHz) |
| 802.11ax HE40 SU LPI | 11.21                                   | 5955.102        |
| 802.11ax HE80 SU LPI | 8.40                                    | 5956.000        |

Table 575 - Unwanted Emissions Within the RLAN Band Summary Results



Figure 282 - A (Core 0) 802.11ax HE40 SU LPI  
6165 MHz (CH43)

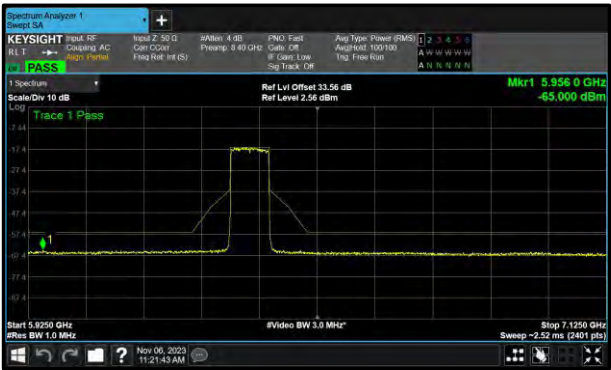


Figure 283 - A (Core 0) 802.11ax HE80 SU LPI  
6385 MHz (CH87)



| Test Configuration |                 |                 |                     |
|--------------------|-----------------|-----------------|---------------------|
| Frequency Range:   | 5.925-7.125 GHz | Band:           | U-NII-5, U-NII-8    |
| Limit Clause(s):   | 15.407(b)       | Test Method(s): | KDB 987594 clause j |

| DUT Configuration         |                       |                          |     |
|---------------------------|-----------------------|--------------------------|-----|
| Mode:                     | 802.11ax HE40 SU LPI  | Duty Cycle (%):          | -   |
| Modulation Coding Scheme: | MCS2x1                | DCCF (dB):               | -   |
| Antenna Configuration:    | TxBF                  | Peak Antenna Gain (dBi): | -   |
| Active Port(s):           | A+B (Core 0 + Core 1) | Active Chain Id(s):      | 0+1 |

| Test Frequency (MHz) | Unwanted Emissions Within the RLAN Band Margin (dB) |       |   |   |
|----------------------|-----------------------------------------------------|-------|---|---|
|                      | A                                                   | B     | C | D |
| 6125                 | 11.22                                               | 12.36 | - | - |
| 6165                 | 11.21                                               | 12.06 | - | - |
| 6245                 | 11.22                                               | 12.32 | - | - |
| 6925                 | 11.97                                               | 11.80 | - | - |
| 7005                 | 11.48                                               | 11.65 | - | - |
| 7085                 | 11.35                                               | 11.77 | - | - |

**Table 576 - Unwanted Emissions Within the Band Results**



| Test Configuration |                 |                 |                                       |
|--------------------|-----------------|-----------------|---------------------------------------|
| Frequency Range:   | 5.925-7.125 GHz | Band:           | U-NII-5, U-NII-6,<br>U-NII-7, U-NII-8 |
| Limit Clause(s):   | 15.407(b)       | Test Method(s): | KDB 987594 clause j                   |

| DUT Configuration         |                       |                          |     |
|---------------------------|-----------------------|--------------------------|-----|
| Mode:                     | 802.11ax HE80 SU LPI  | Duty Cycle (%):          | -   |
| Modulation Coding Scheme: | MCS2x1                | DCCF (dB):               | -   |
| Antenna Configuration:    | TxBF                  | Peak Antenna Gain (dBi): | -   |
| Active Port(s):           | A+B (Core 0 + Core 1) | Active Chain Id(s):      | 0+1 |

| Test Frequency (MHz) | Unwanted Emissions Within the RLAN Band Margin (dB) |       |   |   |
|----------------------|-----------------------------------------------------|-------|---|---|
|                      | A                                                   | B     | C | D |
| 5985                 | 9.70                                                | 10.33 | - | - |
| 6145                 | 10.14                                               | 9.48  | - | - |
| 6385                 | 8.40                                                | 10.57 | - | - |
| 6465                 | 9.74                                                | 8.53  | - | - |
| 6545                 | 8.86                                                | 9.48  | - | - |
| 6625                 | 8.93                                                | 8.85  | - | - |
| 6705                 | 10.29                                               | 10.17 | - | - |
| 6785                 | 9.76                                                | 9.65  | - | - |
| 6865                 | 9.77                                                | 9.88  | - | - |
| 6945                 | 9.05                                                | 9.60  | - | - |
| 7025                 | 10.74                                               | 9.53  | - | - |

**Table 577 - Unwanted Emissions Within the Band Results**

| Protocol            | Unwanted Emissions Within the RLAN Band |                 |
|---------------------|-----------------------------------------|-----------------|
|                     | Margin (dB)                             | Frequency (MHz) |
| 802.11ax HE20 SU SP | 14.79                                   | 6142.200        |
| 802.11ax HE40 SU SP | 9.82                                    | 6344.643        |
| 802.11ax HE80 SU SP | 7.93                                    | 6186.000        |

Table 578 - Unwanted Emissions Within the RLAN Band Summary Results

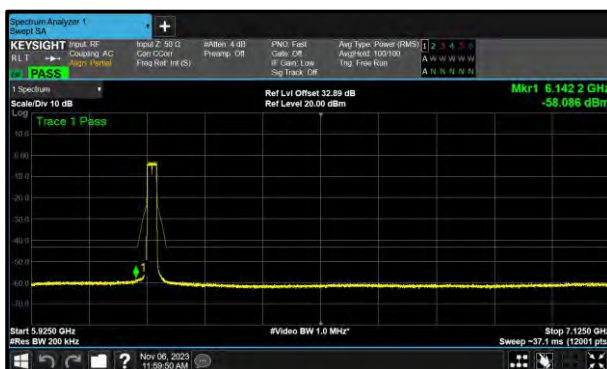


Figure 284 - A (Core 0) 802.11ax HE20 SU SP  
6175 MHz (CH45)

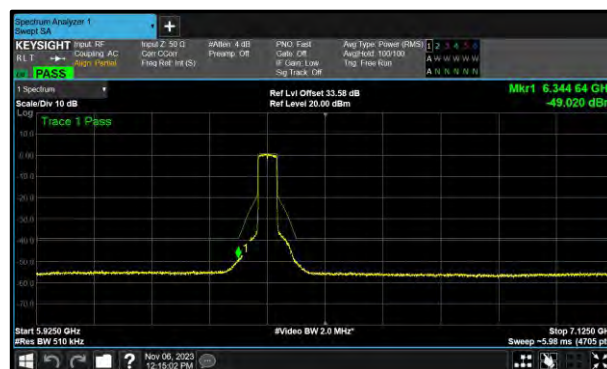


Figure 285 - A (Core 0) 802.11ax HE40 SU SP  
6405 MHz (CH91)



Figure 286 - A (Core 0) 802.11ax HE80 SU SP  
6145 MHz (CH39)



| Test Configuration |                 |                 |                     |
|--------------------|-----------------|-----------------|---------------------|
| Frequency Range:   | 5.925-7.125 GHz | Band:           | U-NII-5, U-NII-7    |
| Limit Clause(s):   | 15.407(b)       | Test Method(s): | KDB 987594 clause j |

| DUT Configuration         |                       |                          |     |
|---------------------------|-----------------------|--------------------------|-----|
| Mode:                     | 802.11ax HE20 SU SP   | Duty Cycle (%):          | -   |
| Modulation Coding Scheme: | MCS2x1                | DCCF (dB):               | -   |
| Antenna Configuration:    | TxBF                  | Peak Antenna Gain (dBi): | -   |
| Active Port(s):           | A+B (Core 0 + Core 1) | Active Chain Id(s):      | 0+1 |

| Test Frequency (MHz) | Unwanted Emissions Within the RLAN Band Margin (dB) |       |   |   |
|----------------------|-----------------------------------------------------|-------|---|---|
|                      | A                                                   | B     | C | D |
| 5955                 | 15.12                                               | 15.43 | - | - |
| 6175                 | 14.79                                               | 15.50 | - | - |
| 6415                 | 15.64                                               | 15.76 | - | - |
| 6535                 | 15.40                                               | 15.24 | - | - |
| 6695                 | 15.61                                               | 15.31 | - | - |
| 6855                 | 15.33                                               | 15.10 | - | - |

**Table 579 - Unwanted Emissions Within the Band Results**

| Test Configuration |                 |                 |                     |
|--------------------|-----------------|-----------------|---------------------|
| Frequency Range:   | 5.925-7.125 GHz | Band:           | U-NII-5, U-NII-7    |
| Limit Clause(s):   | 15.407(b)       | Test Method(s): | KDB 987594 clause j |

| DUT Configuration         |                       |                          |     |
|---------------------------|-----------------------|--------------------------|-----|
| Mode:                     | 802.11ax HE40 SU SP   | Duty Cycle (%):          | -   |
| Modulation Coding Scheme: | MCS2x1                | DCCF (dB):               | -   |
| Antenna Configuration:    | TxBF                  | Peak Antenna Gain (dBi): | -   |
| Active Port(s):           | A+B (Core 0 + Core 1) | Active Chain Id(s):      | 0+1 |

| Test Frequency (MHz) | Unwanted Emissions Within the RLAN Band Margin (dB) |       |   |   |
|----------------------|-----------------------------------------------------|-------|---|---|
|                      | A                                                   | B     | C | D |
| 5965                 | 14.79                                               | 14.11 | - | - |
| 6165                 | 12.56                                               | 13.61 | - | - |
| 6405                 | 9.82                                                | 13.23 | - | - |
| 6565                 | 10.82                                               | 13.34 | - | - |
| 6685                 | 13.44                                               | 13.77 | - | - |
| 6845                 | 12.78                                               | 13.67 | - | - |

**Table 580 - Unwanted Emissions Within the Band Results**



| Test Configuration |                 |                 |                     |
|--------------------|-----------------|-----------------|---------------------|
| Frequency Range:   | 5.925-7.125 GHz | Band:           | U-NII-5,U-NII-7     |
| Limit Clause(s):   | 15.407(b)       | Test Method(s): | KDB 987594 clause j |

| DUT Configuration         |                       |                          |     |
|---------------------------|-----------------------|--------------------------|-----|
| Mode:                     | 802.11ax HE80 SU SP   | Duty Cycle (%):          | -   |
| Modulation Coding Scheme: | MCS2x1                | DCCF (dB):               | -   |
| Antenna Configuration:    | TxBF                  | Peak Antenna Gain (dBi): | -   |
| Active Port(s):           | A+B (Core 0 + Core 1) | Active Chain Id(s):      | 0+1 |

| Test Frequency (MHz) | Unwanted Emissions Within the RLAN Band Margin (dB) |      |   |   |
|----------------------|-----------------------------------------------------|------|---|---|
|                      | A                                                   | B    | C | D |
| 5985                 | 10.45                                               | 9.70 | - | - |
| 6145                 | 7.93                                                | 9.27 | - | - |
| 6385                 | 8.36                                                | 9.09 | - | - |
| 6625                 | 9.44                                                | 9.02 | - | - |
| 6705                 | 9.04                                                | 9.94 | - | - |
| 6785                 | 9.71                                                | 9.34 | - | - |

**Table 581 - Unwanted Emissions Within the Band Results**

FCC 47 CFR Part 15, Limit Clause 15.407(b)(6)

For transmitters operating within the 5.925–7.125 GHz bands:

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

ISED RSS-248, Limit Clause 4.6.2(b)

e.i.r.p. spectral density of unwanted emissions falling into the 5925-7125 MHz band shall be attenuated (in dB) below the reference power spectral density by:

- i. 20 dB at 1 MHz away from the channel edge; and
- ii. a linearly interpolated value between 20 dB and 28 dB at frequencies between 1 MHz outside of channel edge and one (1) channel bandwidth from the operating channel centre, respectively; and
- iii. 28 dB at one (1) channel bandwidth away from the operating channel centre; and
- iv. a linearly interpolated value between 28 dB and 40 dB at frequencies between one (1) channel bandwidth from the channel centre and one- and one-half (1.5) times the channel bandwidth away from the operating channel centre, respectively; and
- v. 40 dB at one- and one-half (1.5) times the channel bandwidth away from the channel centre; and
- vi. a minimum of 40 dB at frequencies that are further away than one and one-half (1.5) times the channel bandwidth from the channel centre.



## 2.6.7 Test Location and Test Equipment Used

This test was carried out in RF Laboratory 14.

| Instrument                                | Manufacturer          | Type No.             | TE No. | Calibration Period (months) | Calibration Expiry Date |
|-------------------------------------------|-----------------------|----------------------|--------|-----------------------------|-------------------------|
| Power splitter - 2 port                   | Mini-Circuits         | ZN2PD-63-S+          | 4743   | 12                          | 30-Nov-2023             |
| Digital Caliper                           | Mitutoyo              | CD-15APX             | 5055   | 12                          | 16-Mar-2024             |
| Cable (18 GHz)                            | Rosenberger           | LU7-071-1000         | 5100   | 12                          | 24-Oct-2024             |
| Attenuator 5W 30dB DC-18GHz               | Aaren                 | AT40A-4041-D18-30    | 5505   | 12                          | 21-Feb-2024             |
| Data Logger                               | Pico Technology Ltd   | PicoLog 1012         | 5525   | 12                          | 08-Dec-2023             |
| MXA Signal Analyser                       | Keysight Technologies | N9020B               | 5529   | 24                          | 13-Dec-2024             |
| Directional Coupler 2-8GHz                | RF-Lambda             | RFDC2G8G10           | 5765   | -                           | O/P Mon                 |
| Directional Coupler 2-8GHz                | RF-Lambda             | RFDC2G8G10           | 5766   | -                           | O/P Mon                 |
| 1500VA AC Power Supply                    | iTech                 | IT7324               | 5907   | -                           | O/P Mon                 |
| MXA Signal Analyser                       | Keysight Technologies | N9020B               | 5919   | 24                          | 13-Mar-2024             |
| Cable (SMA to SMA 1m)                     | Junkosha              | MWX221-01000AMSAMS/B | 6019   | 12                          | 05-Jun-2024             |
| Humidity & Temperature meter              | R.S Components        | 1364                 | 6149   | 12                          | 07-Jul-2024             |
| Coaxial Fixed Attenuator DC-18GHz 5W 10dB | RF-Lambda             | RFS5G18B10SMP        | 6176   | 12                          | 19-Jul-2024             |
| Humidity and Temperature Meter            | R.S Components        | 1364                 | 6346   | 12                          | 28-Feb-2024             |
| MXA Signal Analyser                       | Keysight Technologies | N9020B               | 6417   | 24                          | 26-Feb-2025             |
| Signal Conditioning Unit                  | TUV SUD               | SPECTRUM_SCU001      | 6426   | 12                          | 09-Apr-2024             |
| Directional Coupler 2-8GHz                | RF-Lambda             | RFDC2G8G10           | 6447   | -                           | O/P Mon                 |
| Directional Coupler 2-8GHz                | RF-Lambda             | RFDC2G8G10           | 6448   | -                           | O/P Mon                 |
| Signal Conditioning Unit                  | TUV SUD               | SPECTRUM_SCU001      | 6518   | 12                          | 26-May-2024             |
| Signal Conditioning Unit                  | TUV SUD               | SPECTRUM_SCU001      | 6519   | 12                          | 17-May-2024             |
| SCU Cable Assembly                        | TUV SUD               | SPECTRUM_SCU_CA      | 6520   | 12                          | 10-Aug-2024             |
| SCU Cable Assembly                        | TUV SUD               | SPECTRUM_SCU_CA      | 6521   | 12                          | 10-Aug-2024             |
| SCU Cable Assembly                        | TUV SUD               | SPECTRUM_SCU_CA      | 6529   | 12                          | 09-Aug-2024             |
| SCU Cable Assembly                        | TUV SUD               | SPECTRUM_SCU_CA      | 6530   | 12                          | 26-May-2024             |

**Table 582**

O/P Mon - Output Monitored using calibrated equipment



## **2.7 Contention Based Protocol**

### **2.7.1 Specification Reference**

FCC 47 CFR Part 15E, Clause 15.407 (d)(6)  
ISED RSS-248, Clause 4.7

### **2.7.2 Equipment Under Test and Modification State**

A3113, S/N: QVVKQ44WGR - Modification State 0

### **2.7.3 Date of Test**

18-October-2023 to 20-October-2023

### **2.7.4 Test Method**

This test was performed in accordance with KDB 987594 D02, clause I.

The AWGN signal level was initially set at a level much less than the required threshold level ( $< -62$  dBm) it was verified at this point that transmissions from the device under test (DUT) were present. The signal level was gradually increased until it was observed that the DUT continuously ceased transmissions with the AWGN signal present, i.e., no partial transmissions other than short control signalling transmissions.

The AWGN Signal level recorded is the level in to the DUT's receiver, corrected for all cable losses. The minimum antenna gain value was then used to correct the level as described in KDB 987594 D04.

Timing plots showing verification that transmissions from the DUT responded to the interferer have been included in the test results below.

## 2.7.5 Test Setup Diagram

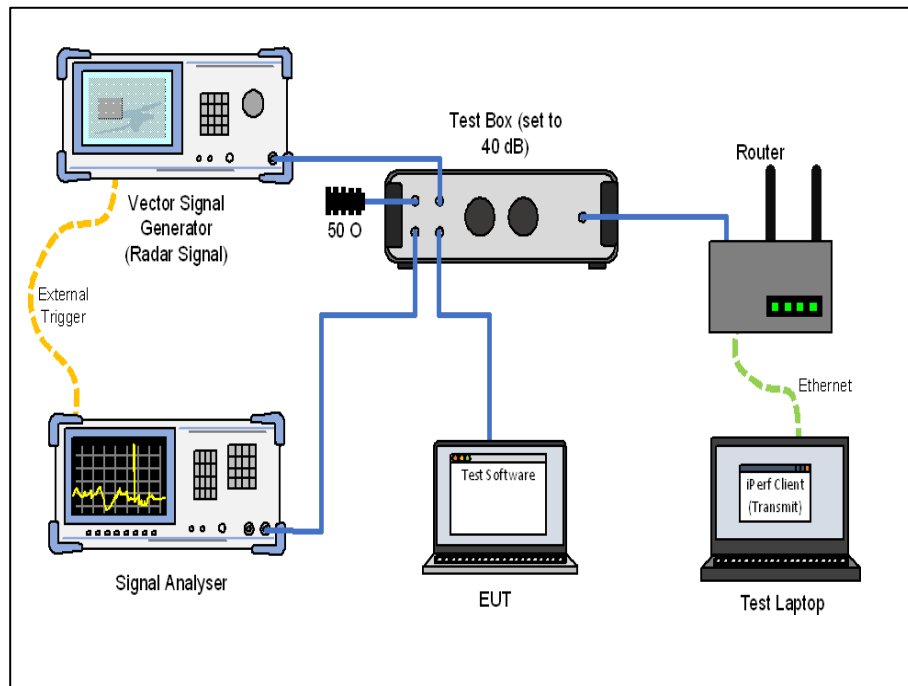


Figure 287 - Test Equipment Setup Diagram

## 2.7.6 Environmental Conditions

|                     |                |
|---------------------|----------------|
| Ambient Temperature | 23.9 - 25.1 °C |
| Relative Humidity   | 37.5 - 45.7 %  |



2.7.7 Test Results

6 GHz WLAN



Figure 288 - Example of AWGN Signal

| Parameter                      | Results |         |        |
|--------------------------------|---------|---------|--------|
| U-NII Band                     | 5       | 5       | 5      |
| Channel Number                 | 37      | 37      | 37     |
| Bandwidth (MHz)                | 20      | 20      | 20     |
| DUT Centre Frequency (MHz)     | 6135    | 6135    | 6135   |
| AWGN Centre Frequency (MHz)    | 6135    | 6135    | 6135   |
| AWGN Signal Power (dBm)        | -67.17  | -66.75  | -66.30 |
| Antenna Gain (dBi)             | 3.23    | 3.23    | 3.23   |
| Adjusted Power (dBm)           | -70.40  | -69.98  | -69.53 |
| Detection Limit (dBm)          | -62.0   | -62.0   | -62.0  |
| EUT Tx Status (OFF/Minimal/ON) | ON      | Minimal | OFF    |

**Table 583 - U-NII-5, Minimum Bandwidth**



**Figure 289 - U-NII-5, Minimum Bandwidth**

| Parameter                      | Results |         |        |
|--------------------------------|---------|---------|--------|
| U-NII Band                     | 5       | 5       | 5      |
| Channel Number                 | 47      | 47      | 47     |
| Bandwidth (MHz)                | 160     | 160     | 160    |
| DUT Centre Frequency (MHz)     | 6185    | 6185    | 6185   |
| AWGN Centre Frequency (MHz)    | 6110    | 6110    | 6110   |
| AWGN Signal Power (dBm)        | -66.00  | -61.14  | -61.11 |
| Antenna Gain (dBi)             | 3.23    | 3.23    | 3.23   |
| Adjusted Power (dBm)           | -69.23  | -64.37  | -64.34 |
| Detection Limit (dBm)          | -62.0   | -62.0   | -62.0  |
| EUT Tx Status (OFF/Minimal/ON) | ON      | Minimal | OFF    |

Table 584 - U-NII-5, Maximum Bandwidth (AWGN Low)



Figure 290 - U-NII-5, Minimum Bandwidth (AWGN Low)



| Parameter                      | Results |         |        |
|--------------------------------|---------|---------|--------|
| U-NII Band                     | 5       | 5       | 5      |
| Channel Number                 | 47      | 47      | 47     |
| Bandwidth (MHz)                | 160     | 160     | 160    |
| DUT Centre Frequency (MHz)     | 6185    | 6185    | 6185   |
| AWGN Centre Frequency (MHz)    | 6185    | 6185    | 6185   |
| AWGN Signal Power (dBm)        | -65.72  | -64.61  | -63.43 |
| Antenna Gain (dBi)             | 3.23    | 3.23    | 3.23   |
| Adjusted Power (dBm)           | -68.95  | -67.84  | -66.66 |
| Detection Limit (dBm)          | -62.0   | -62.0   | -62.0  |
| EUT Tx Status (OFF/Minimal/ON) | ON      | Minimal | OFF    |

**Table 585 - U-NII-5, Maximum Bandwidth (AWGN Mid)**



**Figure 291 - U-NII-5, Minimum Bandwidth (AWGN Mid)**

| Parameter                      | Results |         |        |
|--------------------------------|---------|---------|--------|
| U-NII Band                     | 5       | 5       | 5      |
| Channel Number                 | 47      | 47      | 47     |
| Bandwidth (MHz)                | 160     | 160     | 160    |
| DUT Centre Frequency (MHz)     | 6185    | 6185    | 6185   |
| AWGN Centre Frequency (MHz)    | 6260    | 6260    | 6260   |
| AWGN Signal Power (dBm)        | -64.74  | -63.41  | -61.10 |
| Antenna Gain (dBi)             | 3.23    | 3.23    | 3.23   |
| Adjusted Power (dBm)           | -67.97  | -66.64  | -64.33 |
| Detection Limit (dBm)          | -62.0   | -62.0   | -62.0  |
| EUT Tx Status (OFF/Minimal/ON) | ON      | Minimal | OFF    |

**Table 586 - U-NII-5, Maximum Bandwidth (AWGN High)**



**Figure 292 - U-NII-5, Minimum Bandwidth (AWGN High)**

| Parameter                      | Results |         |        |
|--------------------------------|---------|---------|--------|
| U-NII Band                     | 6       | 6       | 6      |
| Channel Number                 | 101     | 101     | 101    |
| Bandwidth (MHz)                | 20      | 20      | 20     |
| DUT Centre Frequency (MHz)     | 6455    | 6455    | 6455   |
| AWGN Centre Frequency (MHz)    | 6455    | 6455    | 6455   |
| AWGN Signal Power (dBm)        | -68.21  | -65.39  | -65.29 |
| Antenna Gain (dBi)             | 4.49    | 4.49    | 4.49   |
| Adjusted Power (dBm)           | -72.70  | -69.88  | -69.78 |
| Detection Limit (dBm)          | -62.0   | -62.0   | -62.0  |
| EUT Tx Status (OFF/Minimal/ON) | ON      | Minimal | OFF    |

**Table 587 - U-NII-6, Minimum Bandwidth**



**Figure 293 - U-NII-6, Minimum Bandwidth**

| Parameter                      | Results |         |        |
|--------------------------------|---------|---------|--------|
| U-NII Band                     | 6       | 6       | 6      |
| Channel Number                 | 111     | 111     | 111    |
| Bandwidth (MHz)                | 160     | 160     | 160    |
| DUT Centre Frequency (MHz)     | 6505    | 6505    | 6505   |
| AWGN Centre Frequency (MHz)    | 6430    | 6430    | 6430   |
| AWGN Signal Power (dBm)        | -62.40  | -60.70  | -59.62 |
| Antenna Gain (dBi)             | 4.49    | 4.49    | 4.49   |
| Adjusted Power (dBm)           | -66.89  | -65.19  | -64.11 |
| Detection Limit (dBm)          | -62.0   | -62.0   | -62.0  |
| EUT Tx Status (OFF/Minimal/ON) | ON      | Minimal | OFF    |

**Table 588 - U-NII-6, Maximum Bandwidth (AWGN Low)**



**Figure 294 - U-NII-6, Minimum Bandwidth (AWGN Low)**

| Parameter                      | Results |         |        |
|--------------------------------|---------|---------|--------|
| U-NII Band                     | 6       | 6       | 6      |
| Channel Number                 | 111     | 111     | 111    |
| Bandwidth (MHz)                | 160     | 160     | 160    |
| DUT Centre Frequency (MHz)     | 6505    | 6505    | 6505   |
| AWGN Centre Frequency (MHz)    | 6505    | 6505    | 6505   |
| AWGN Signal Power (dBm)        | -65.05  | -63.38  | -61.73 |
| Antenna Gain (dBi)             | 4.49    | 4.49    | 4.49   |
| Adjusted Power (dBm)           | -69.54  | -67.87  | -66.22 |
| Detection Limit (dBm)          | -62.0   | -62.0   | -62.0  |
| EUT Tx Status (OFF/Minimal/ON) | ON      | Minimal | OFF    |

**Table 589 - U-NII-6, Maximum Bandwidth (AWGN Mid)**



**Figure 295 - U-NII-6, Minimum Bandwidth (AWGN Mid)**

| Parameter                      | Results |         |        |
|--------------------------------|---------|---------|--------|
| U-NII Band                     | 6       | 6       | 6      |
| Channel Number                 | 111     | 111     | 111    |
| Bandwidth (MHz)                | 160     | 160     | 160    |
| DUT Centre Frequency (MHz)     | 6505    | 6505    | 6505   |
| AWGN Centre Frequency (MHz)    | 6580    | 6580    | 6580   |
| AWGN Signal Power (dBm)        | -62.05  | -61.57  | -58.85 |
| Antenna Gain (dBi)             | 4.49    | 4.49    | 4.49   |
| Adjusted Power (dBm)           | -66.54  | -66.06  | -63.34 |
| Detection Limit (dBm)          | -62.0   | -62.0   | -62.0  |
| EUT Tx Status (OFF/Minimal/ON) | ON      | Minimal | OFF    |

**Table 590 - U-NII-6, Maximum Bandwidth (AWGN High)**



**Figure 296 - U-NII-6, Minimum Bandwidth (AWGN High)**

| Parameter                      | Results |         |        |
|--------------------------------|---------|---------|--------|
| U-NII Band                     | 7       | 7       | 7      |
| Channel Number                 | 133     | 133     | 133    |
| Bandwidth (MHz)                | 20      | 20      | 20     |
| DUT Centre Frequency (MHz)     | 6615    | 6615    | 6615   |
| AWGN Centre Frequency (MHz)    | 6615    | 6615    | 6615   |
| AWGN Signal Power (dBm)        | -68.25  | -65.94  | -65.3  |
| Antenna Gain (dBi)             | 3.87    | 3.87    | 3.87   |
| Adjusted Power (dBm)           | -72.12  | -69.81  | -69.20 |
| Detection Limit (dBm)          | -62.0   | -62.0   | -62.0  |
| EUT Tx Status (OFF/Minimal/ON) | ON      | Minimal | OFF    |

**Table 591 - U-NII-7, Minimum Bandwidth**



**Figure 297 - U-NII-7, Minimum Bandwidth**

| Parameter                      | Results |         |        |
|--------------------------------|---------|---------|--------|
| U-NII Band                     | 7       | 7       | 7      |
| Channel Number                 | 143     | 143     | 143    |
| Bandwidth (MHz)                | 160     | 160     | 160    |
| DUT Centre Frequency (MHz)     | 6665    | 6665    | 6665   |
| AWGN Centre Frequency (MHz)    | 6590    | 6590    | 6590   |
| AWGN Signal Power (dBm)        | -62.31  | -61.78  | -59.47 |
| Antenna Gain (dBi)             | 3.87    | 3.87    | 3.87   |
| Adjusted Power (dBm)           | -66.18  | -65.65  | -63.34 |
| Detection Limit (dBm)          | -62.0   | -62.0   | -62.0  |
| EUT Tx Status (OFF/Minimal/ON) | ON      | Minimal | OFF    |

Table 592 - U-NII-7, Maximum Bandwidth (AWGN Low)



Figure 298 - U-NII-7, Minimum Bandwidth (AWGN Low)

| Parameter                      | Results |         |        |
|--------------------------------|---------|---------|--------|
| U-NII Band                     | 7       | 7       | 7      |
| Channel Number                 | 143     | 143     | 143    |
| Bandwidth (MHz)                | 160     | 160     | 160    |
| DUT Centre Frequency (MHz)     | 6665    | 6665    | 6665   |
| AWGN Centre Frequency (MHz)    | 6665    | 6665    | 6665   |
| AWGN Signal Power (dBm)        | -64.51  | -62.92  | -61.53 |
| Antenna Gain (dBi)             | 3.87    | 3.87    | 3.87   |
| Adjusted Power (dBm)           | -68.38  | -66.79  | -65.40 |
| Detection Limit (dBm)          | -62.0   | -62.0   | -62.0  |
| EUT Tx Status (OFF/Minimal/ON) | ON      | Minimal | OFF    |

**Table 593 - U-NII-7, Maximum Bandwidth (AWGN Mid)**



**Figure 299 - U-NII-7, Minimum Bandwidth (AWGN Mid)**

| Parameter                      | Results |         |        |
|--------------------------------|---------|---------|--------|
| U-NII Band                     | 7       | 7       | 7      |
| Channel Number                 | 143     | 143     | 143    |
| Bandwidth (MHz)                | 160     | 160     | 160    |
| DUT Centre Frequency (MHz)     | 6665    | 6665    | 6665   |
| AWGN Centre Frequency (MHz)    | 6740    | 6740    | 6740   |
| AWGN Signal Power (dBm)        | -61.75  | -60.37  | -59.78 |
| Antenna Gain (dBi)             | 3.87    | 3.87    | 3.87   |
| Adjusted Power (dBm)           | -65.62  | -64.24  | -63.65 |
| Detection Limit (dBm)          | -62.0   | -62.0   | -62.0  |
| EUT Tx Status (OFF/Minimal/ON) | ON      | Minimal | OFF    |

**Table 594 - U-NII-7, Maximum Bandwidth (AWGN High)**



**Figure 300- U-NII-7, Minimum Bandwidth (AWGN High)**



| Parameter                      | Results |         |        |
|--------------------------------|---------|---------|--------|
| U-NII Band                     | 8       | 8       | 8      |
| Channel Number                 | 197     | 197     | 197    |
| Bandwidth (MHz)                | 20      | 20      | 20     |
| DUT Centre Frequency (MHz)     | 6935    | 6935    | 6935   |
| AWGN Centre Frequency (MHz)    | 6935    | 6935    | 6935   |
| AWGN Signal Power (dBm)        | -66.53  | -66.06  | -65.77 |
| Antenna Gain (dBi)             | 3.52    | 3.52    | 3.52   |
| Adjusted Power (dBm)           | -70.05  | -69.58  | -69.29 |
| Detection Limit (dBm)          | -62.0   | -62.0   | -62.0  |
| EUT Tx Status (OFF/Minimal/ON) | ON      | Minimal | OFF    |

Table 595 - U-NII-8, Minimum Bandwidth



Figure 301 - U-NII-8, Minimum Bandwidth

| Parameter                      | Results |         |        |
|--------------------------------|---------|---------|--------|
| U-NII Band                     | 8       | 8       | 8      |
| Channel Number                 | 207     | 207     | 207    |
| Bandwidth (MHz)                | 160     | 160     | 160    |
| DUT Centre Frequency (MHz)     | 6985    | 6985    | 6985   |
| AWGN Centre Frequency (MHz)    | 6910    | 6910    | 6910   |
| AWGN Signal Power (dBm)        | -65.77  | -62.52  | -60.58 |
| Antenna Gain (dBi)             | 3.52    | 3.52    | 3.52   |
| Adjusted Power (dBm)           | -69.29  | -66.04  | -64.10 |
| Detection Limit (dBm)          | -62.0   | -62.0   | -62.0  |
| EUT Tx Status (OFF/Minimal/ON) | ON      | Minimal | OFF    |

Table 596 - U-NII-8, Maximum Bandwidth (AWGN Low)



Figure 302 - U-NII-8, Minimum Bandwidth (AWGN Low)

| Parameter                      | Results |         |        |
|--------------------------------|---------|---------|--------|
| U-NII Band                     | 8       | 8       | 8      |
| Channel Number                 | 207     | 207     | 207    |
| Bandwidth (MHz)                | 160     | 160     | 160    |
| DUT Centre Frequency (MHz)     | 6985    | 6985    | 6985   |
| AWGN Centre Frequency (MHz)    | 6985    | 6985    | 6985   |
| AWGN Signal Power (dBm)        | -63.62  | -62.86  | -61.15 |
| Antenna Gain (dBi)             | 3.52    | 3.52    | 3.52   |
| Adjusted Power (dBm)           | -67.14  | -66.38  | -64.67 |
| Detection Limit (dBm)          | -62.0   | -62.0   | -62.0  |
| EUT Tx Status (OFF/Minimal/ON) | ON      | Minimal | OFF    |

**Table 597 - U-NII-8, Maximum Bandwidth (AWGN Mid)**



**Figure 303 - U-NII-8, Minimum Bandwidth (AWGN Mid)**

| Parameter                      | Results |         |        |
|--------------------------------|---------|---------|--------|
| U-NII Band                     | 8       | 8       | 8      |
| Channel Number                 | 207     | 207     | 207    |
| Bandwidth (MHz)                | 160     | 160     | 160    |
| DUT Centre Frequency (MHz)     | 6985    | 6985    | 6985   |
| AWGN Centre Frequency (MHz)    | 7060    | 7060    | 7060   |
| AWGN Signal Power (dBm)        | -65.77  | -63.11  | -59.62 |
| Antenna Gain (dBi)             | 3.52    | 3.52    | 3.52   |
| Adjusted Power (dBm)           | -69.29  | -66.63  | -63.14 |
| Detection Limit (dBm)          | -62.0   | -62.0   | -62.0  |
| EUT Tx Status (OFF/Minimal/ON) | ON      | Minimal | OFF    |

**Table 598 - U-NII-8, Maximum Bandwidth (AWGN High)**



**Figure 304 - U-NII-8, Minimum Bandwidth (AWGN High)**



FCC 47 CFR Part 15.407 (d)(6)

Indoor access points, subordinate devices and client devices operating in the 5.925-7.125 GHz band must employ a contention-based protocol.

KDB 987594, Limit Clause I

Indoor access points, subordinate devices and client devices operating in the 5.925-7.125 GHz band (herein referred to as unlicensed devices) 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 low-power indoor 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 (in which incumbent signal is transmitted) and stay off the incumbent channel as long as detected radio frequency power is equal to or greater than the threshold (-62 dBm). The -62 dBm (or lower) threshold is referenced to a 0 dBi antenna gain.

To ensure incumbent operations are reliably detected in the band, low power indoor devices must detect RF energy throughout their intended operating channel. For example, an 802.11 device that plans to transmit a 40 MHz- wide signal (on a primary 20 MHz channel and a secondary 20 MHz channel) must detect energy throughout the entire 40 MHz channel. Additionally, low-power indoor devices must detect co-channel energy with 90% or greater certainty.

ISED RSS-248, Limit Clause 4.7.2

The minimum detection threshold power is the received power referenced to a 0 dBi antenna. Devices shall use a contention-based protocol to detect the presence of any emissions on the channel that the device intends to occupy. The device shall be able to detect, within its entire occupied bandwidth, a radio frequency power of at least -62 dBm or lower.

If an emission is detected on a channel, the device shall cease transmissions and shall not resume transmissions on this channel while the detected radio frequency power is at or above the -62 dBm threshold.



## 2.7.8 Test Location and Test Equipment Used

This test was carried out in Shielded Laboratory 1.

| Instrument                     | Manufacturer          | Type No.             | TE No. | Calibration Period (months) | Calibration Expiry Date |
|--------------------------------|-----------------------|----------------------|--------|-----------------------------|-------------------------|
| Cable (18 GHz)                 | Rosenberger           | LU7-071-1000         | 5103   | 12                          | 18-Dec-2023             |
| 3.5 mm 2m Cable                | Junkosha              | MWX221-02000DMS      | 5427   | 12                          | 21-May-2024             |
| Vector Signal Generator        | Rohde & Schwarz       | SMM100A              | 5915   | 36                          | 01-Mar-2026             |
| WiFi 6E Tri-Band Gaming Router | Asus                  | GT-AXE110000         | 5926   | -                           | TU                      |
| Cable (K Type 2m)              | Junkosha              | MWX241-02000KMSKMS/B | 5938   | 12                          | 21-May-2024             |
| Cable (SMA to SMA 1m)          | Junkosha              | MWX221/B             | 6305   | 12                          | 04-Feb-2024             |
| MXA Signal Analyzer            | Keysight Technologies | N9020B               | 6415   | 24                          | 22-Mar-2025             |
| Test Coupling Network          | TUV SUD               | TUV_RxTest_001       | 6441   | 12                          | 24-Apr-2024             |

**Table 599**

TU - Traceability Unscheduled



### 3 Measurement Uncertainty

For a 95% confidence level, the measurement uncertainties for defined systems are:

| Test Name                                        | Measurement Uncertainty                                               |
|--------------------------------------------------|-----------------------------------------------------------------------|
| Emission Bandwidth                               | $\pm 3.91$ MHz                                                        |
| Maximum Conducted Output Power                   | $\pm 1.38$ dB                                                         |
| Maximum Conducted Power Spectral Density         | $\pm 1.49$ dB                                                         |
| Authorised Band Edges                            | $\pm 6.3$ dB                                                          |
| Spurious Radiated Emissions                      | 30 MHz to 1 GHz: $\pm 5.2$ dB<br>1 GHz to 40 GHz: $\pm 6.3$ dB        |
| Unwanted Emissions within the 5925-7125 MHz band | $\pm 3.45$ dB                                                         |
| Contention Based Protocol                        | Time: 0.30%<br>Interferer BW: 267.98 kHz<br>Interferer Level: 0.80 dB |

**Table 600**

#### Measurement Uncertainty Decision Rule – Accuracy Method

Determination of conformity with the specification limits is based on the decision rule according to IEC Guide 115:2021, Clause 4.4.3 (Procedure 2). The measurement results are directly compared with the test limit to determine conformance with the requirements of the standard.

Risk: The uncertainty of measurement about the measured result is negligible with regard to the final pass/fail decision. The measurement result can be directly compared with the test limit to determine conformance with the requirement (compare IEC Guide 115). The level of risk to falsely accept and falsely reject items is further described in ILAC-G8.