

40 MHz Bandwidth - Core 0 - Core 1 (CDD)

| Mode          | Data Rate/<br>MCS | Resource<br>Size | Resource<br>Index | TX<br>Frequency<br>(MHz) | Band Edge<br>Frequency<br>(MHz) | Peak Level<br>(dBμV/m) | Average<br>Level<br>(dBμV/m) |
|---------------|-------------------|------------------|-------------------|--------------------------|---------------------------------|------------------------|------------------------------|
| 802.11ax HE40 | MCS 4x1           | SU               | -                 | 5965                     | 5925                            | 78.71                  | 61.32                        |
| 802.11ax HE40 | MCS 11x1          | 106              | 56                | 5965                     | 5925                            | 56.66                  | 44.31                        |
| 802.11ax HE40 | MCS 11x1          | SU               | -                 | 7085                     | 7125                            | 58.21                  | 46.33                        |
| 802.11ax HE40 | MCS 11x1          | 106              | 53                | 7085                     | 7125                            | 58.48                  | 46.38                        |

Table 255 - CDD Authorised Band Edge Results

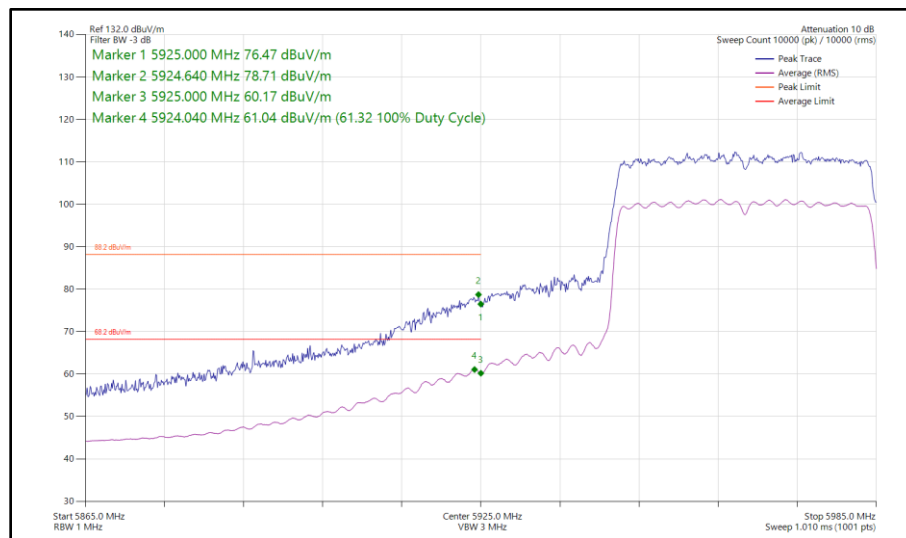


Figure 216 - 802.11ax HE40, SU, CDD, Core 0 - Core 1 - 5965 MHz  
Band Edge Frequency 5925 MHz

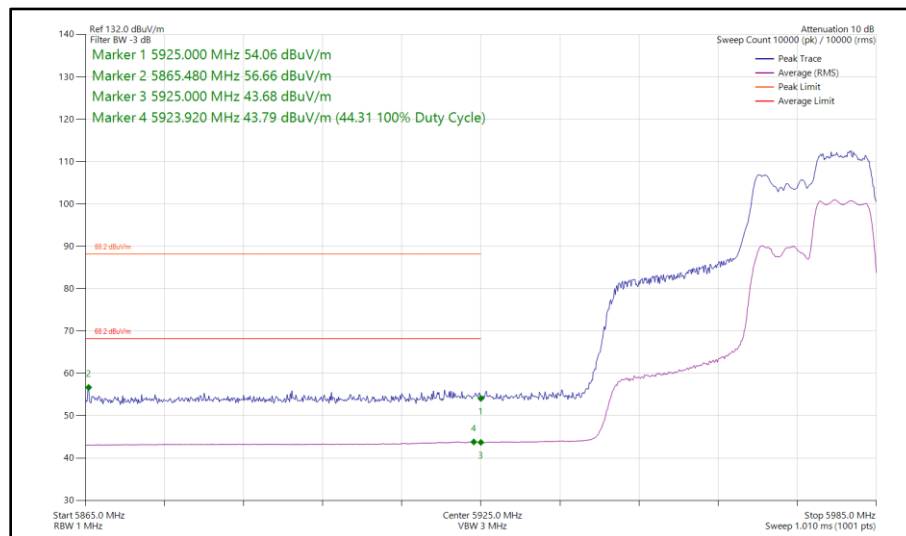
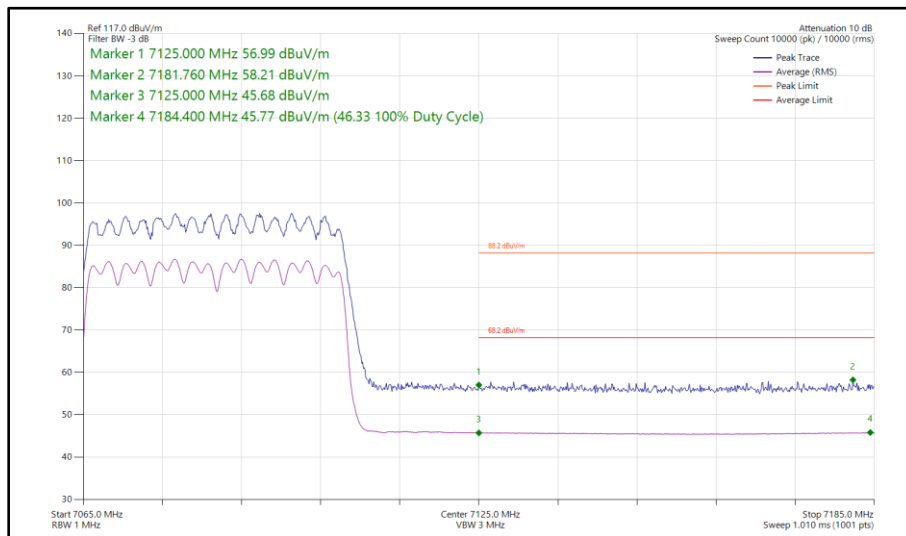
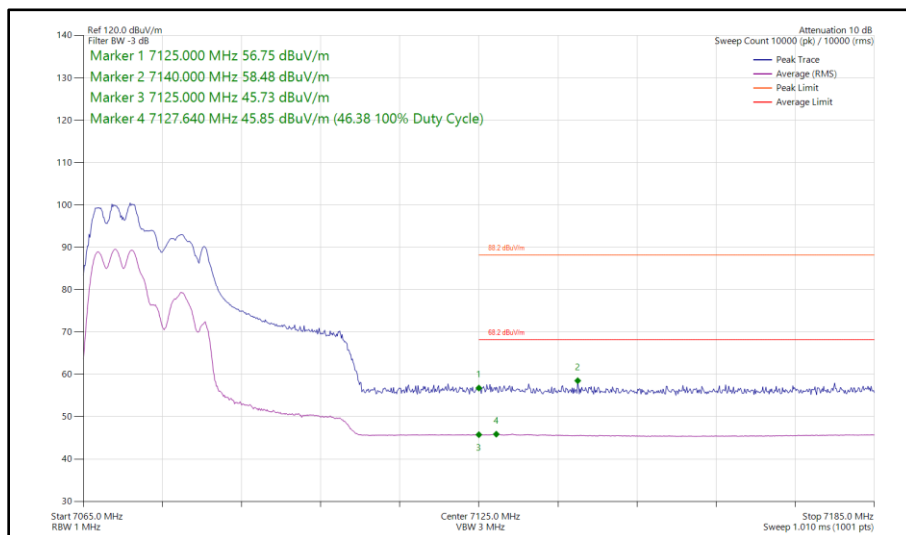


Figure 217 - 802.11ax HE40, RU 106-56, CDD, Core 0 - Core 1 - 5965 MHz  
Band Edge Frequency 5925 MHz



**Figure 218 - 802.11ax HE40, SU, CDD, Core 0 - Core 1 - 7085 MHz  
Band Edge Frequency 7125 MHz**



**Figure 219 - 802.11ax HE40, RU 106-53, CDD, Core 0 - Core 1 - 7085 MHz  
Band Edge Frequency 7125 MHz**



40 MHz Bandwidth - Core 0 - Core 1 (SDM)

| Mode          | Data Rate/<br>MCS | Resource<br>Size | Resource<br>Index | TX<br>Frequency<br>(MHz) | Band Edge<br>Frequency<br>(MHz) | Peak Level<br>(dBμV/m) | Average<br>Level<br>(dBμV/m) |
|---------------|-------------------|------------------|-------------------|--------------------------|---------------------------------|------------------------|------------------------------|
| 802.11ax HE40 | MCS 11x2          | SU               | -                 | 5965                     | 5925                            | 80.89                  | 61.27                        |
| 802.11ax HE40 | MCS 11x2          | 106              | 56                | 5965                     | 5925                            | 55.85                  | 44.34                        |
| 802.11ax HE40 | MCS 11x2          | SU               | -                 | 7085                     | 7125                            | 57.66                  | 46.55                        |
| 802.11ax HE40 | MCS 11x2          | 52               | 37                | 7085                     | 7125                            | 58.77                  | 46.45                        |

Table 256 - SDM Authorised Band Edge Results

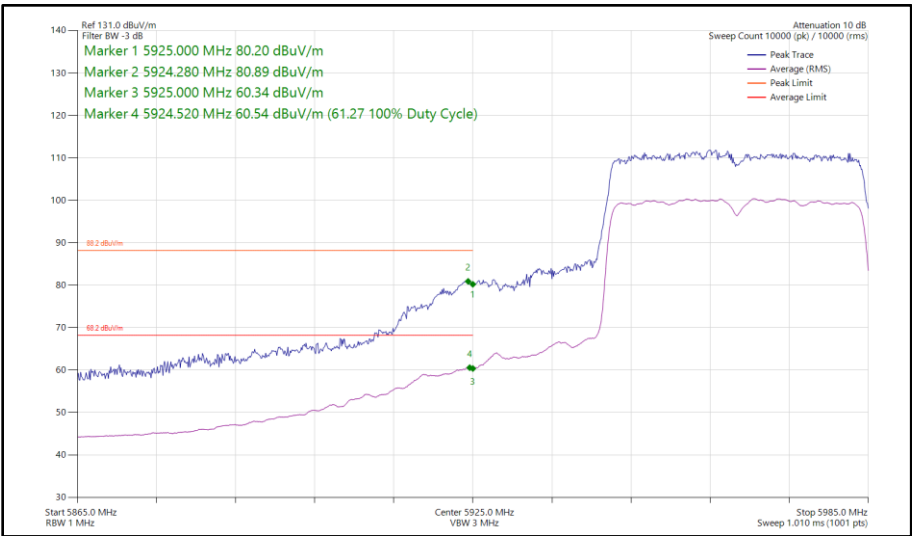


Figure 220 - 802.11ax HE40, SU, SDM, Core 0 - Core 1 - 5965 MHz  
Band Edge Frequency 5925 MHz

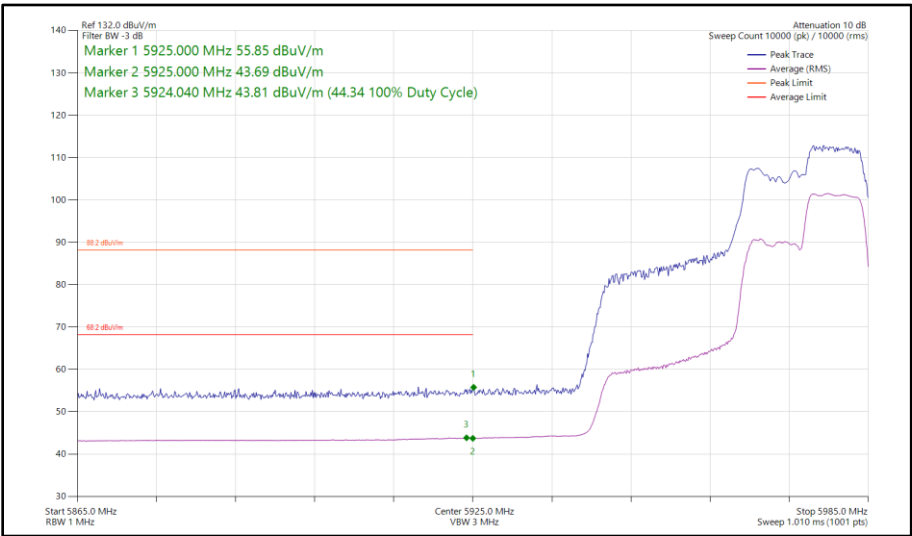
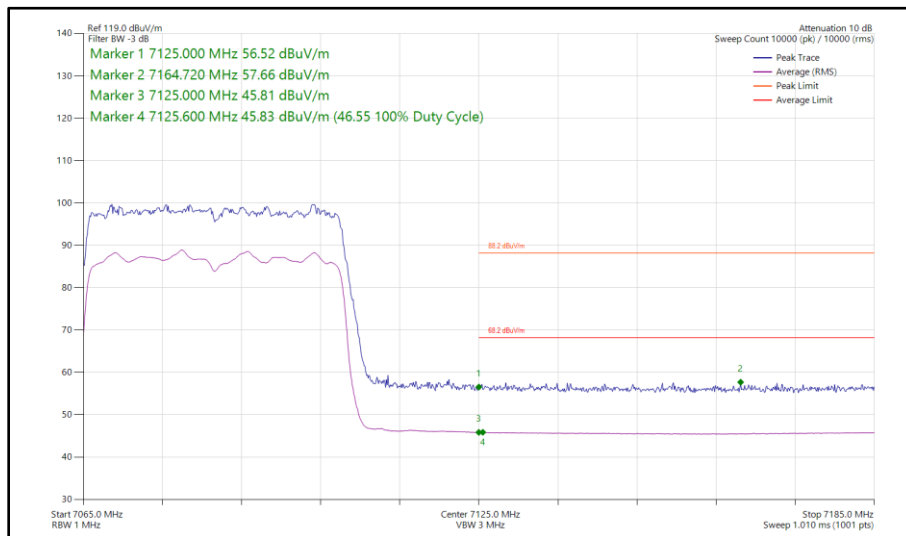
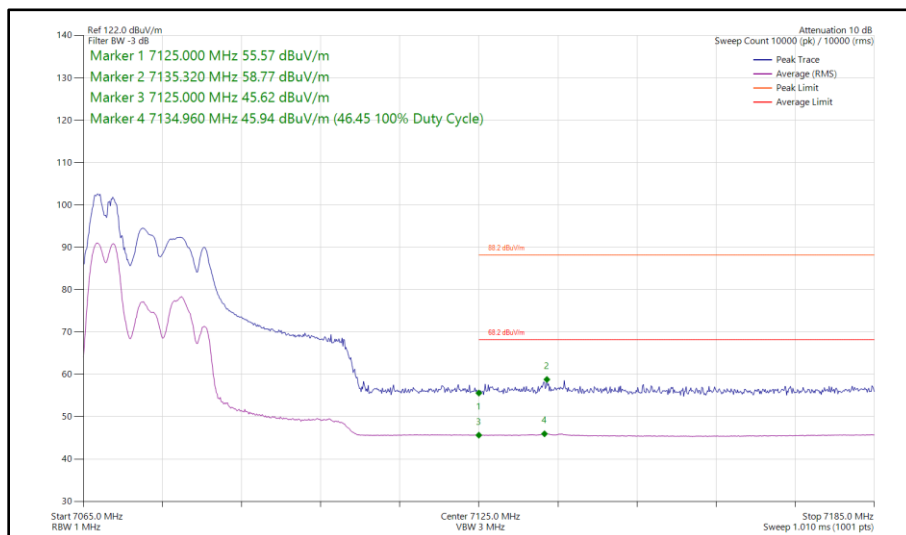


Figure 221 - 802.11ax HE40, RU 106-56, SDM, Core 0 - Core 1 - 5965 MHz  
Band Edge Frequency 5925 MHz



**Figure 222 - 802.11ax HE40, SU, SDM, Core 0 - Core 1 - 7085 MHz  
Band Edge Frequency 7125 MHz**

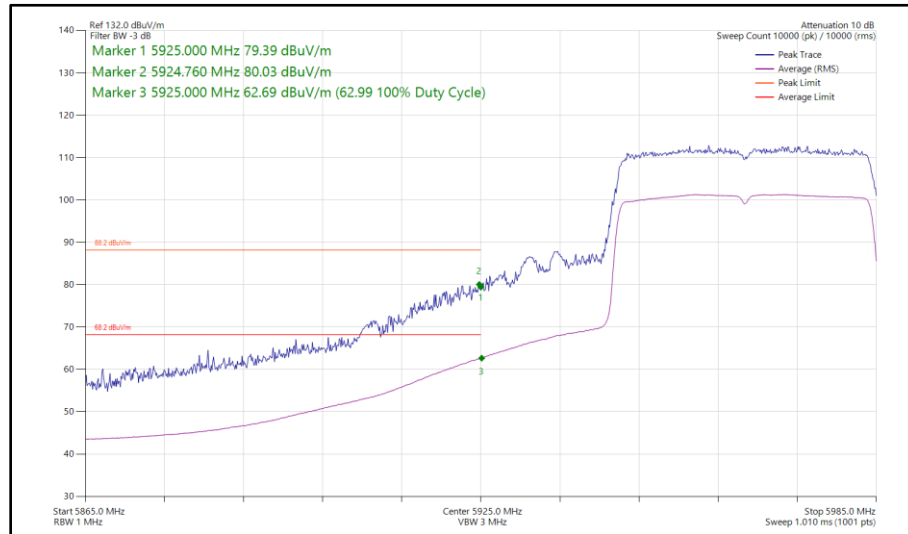


**Figure 223 - 802.11ax HE40, RU 52-37, SDM, Core 0 - Core 1 - 7085 MHz  
Band Edge Frequency 7125 MHz**

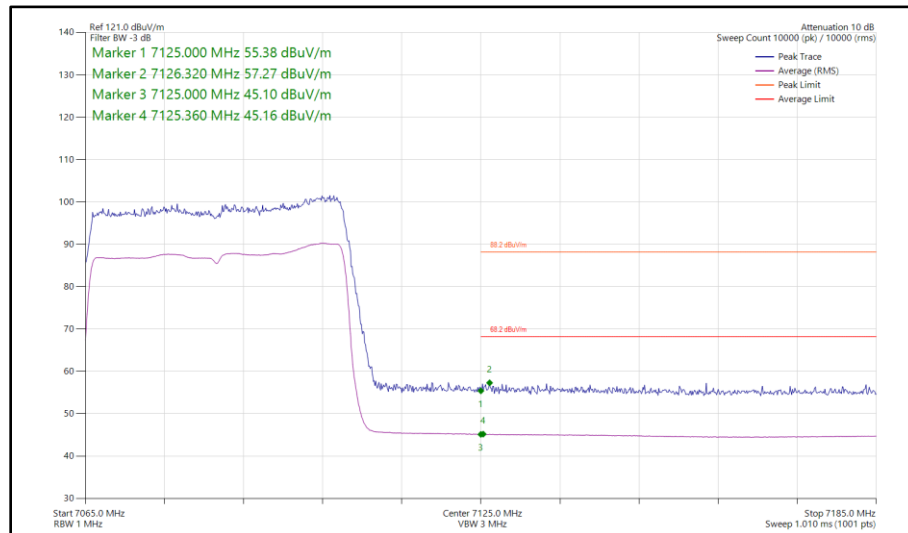
#### 40 MHz Bandwidth - Core 0 - Core 1 (TxBF)

| Mode          | Data Rate/<br>MCS | Resource<br>Size | Resource<br>Index | TX<br>Frequency<br>(MHz) | Band Edge<br>Frequency<br>(MHz) | Peak Level<br>(dBμV/m) | Average<br>Level<br>(dBμV/m) |
|---------------|-------------------|------------------|-------------------|--------------------------|---------------------------------|------------------------|------------------------------|
| 802.11ax HE40 | MCS 11x1          | SU               | -                 | 5965                     | 5925                            | 80.03                  | 62.99                        |
| 802.11ax HE40 | MCS 4x1           | SU               | -                 | 7085                     | 7125                            | 57.27                  | 45.16                        |

**Table 257 - TxBF Authorised Band Edge Results**



**Figure 224 - 802.11ax HE40, SU, TxBF, Core 0 - Core 1 - 5965 MHz  
Band Edge Frequency 5925 MHz**



**Figure 225 - 802.11ax HE40, SU, TxBF, Core 0 - Core 1 - 7085 MHz  
Band Edge Frequency 7125 MHz**



80 MHz Bandwidth - Core 0 (SISO)

| Mode          | Data Rate/<br>MCS | Resource<br>Size | Resource<br>Index | TX<br>Frequency<br>(MHz) | Band Edge<br>Frequency<br>(MHz) | Peak Level<br>(dBμV/m) | Average<br>Level<br>(dBμV/m) |
|---------------|-------------------|------------------|-------------------|--------------------------|---------------------------------|------------------------|------------------------------|
| 802.11ax HE80 | MCS 11x1          | SU               | -                 | 5985                     | 5925                            | 82.44                  | 65.29                        |
| 802.11ax HE80 | MCS 11x1          | 106              | 60                | 5985                     | 5925                            | 57.37                  | 44.57                        |
| 802.11ax HE80 | MCS 11x1          | SU               | -                 | 7025                     | 7125                            | 58.42                  | 46.70                        |
| 802.11ax HE80 | MCS 11x1          | 106              | 53                | 7025                     | 7125                            | 58.87                  | 46.59                        |

Table 258 - SISO Authorised Band Edge Results

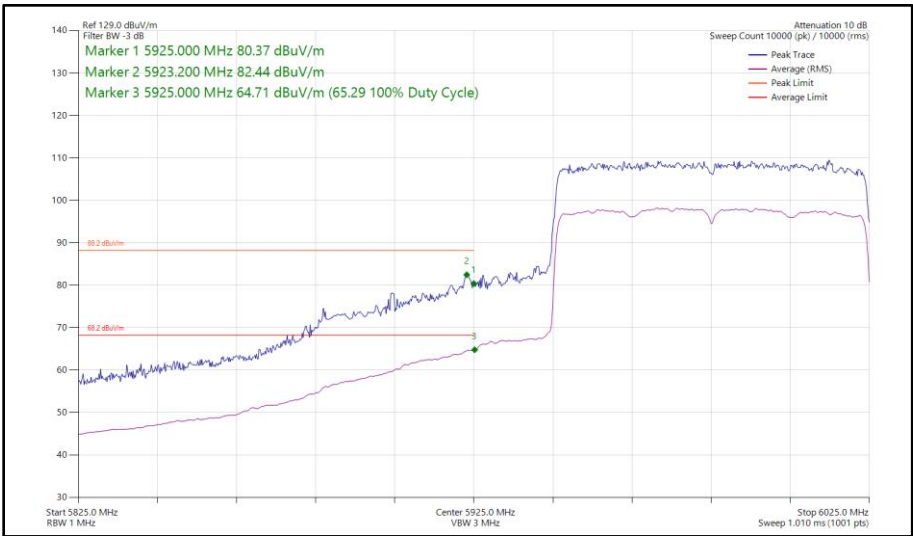


Figure 226 - 802.11ax HE80, SU, SISO, Core 0 - 5985 MHz  
Band Edge Frequency 5925 MHz

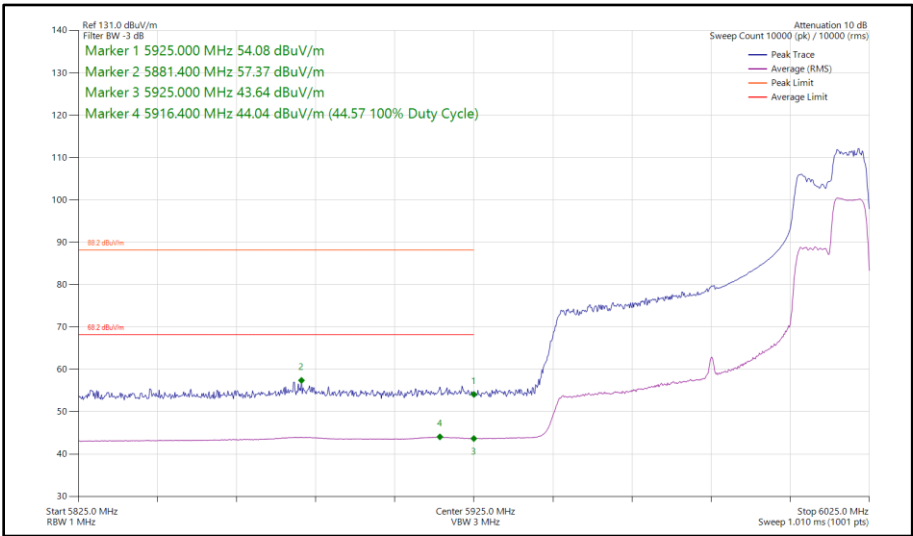
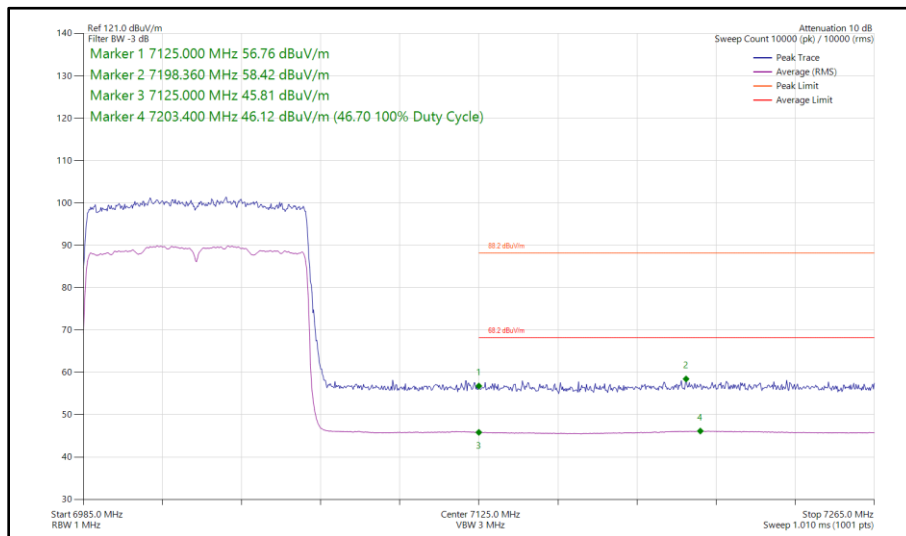
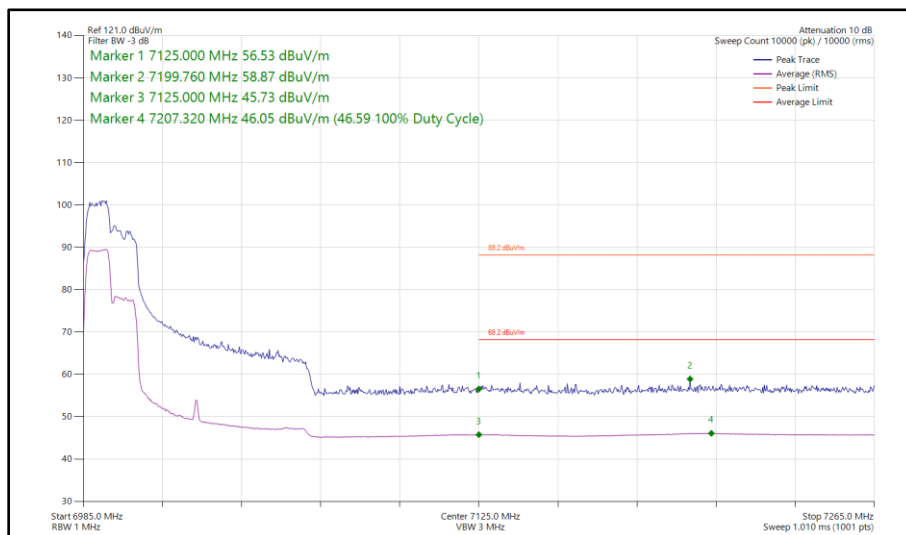


Figure 227 - 802.11ax HE80, RU 106-60, SISO, Core 0 - 5985 MHz  
Band Edge Frequency 5925 MHz



**Figure 228 - 802.11ax HE80, SU, SISO, Core 0 - 7025 MHz  
Band Edge Frequency 7125 MHz**



**Figure 229 - 802.11ax HE80, RU 106-53, SISO, Core 0 - 7025 MHz  
Band Edge Frequency 7125 MHz**



80 MHz Bandwidth - Core 1 (SISO)

| Mode          | Data Rate/<br>MCS | Resource<br>Size | Resource<br>Index | TX<br>Frequency<br>(MHz) | Band Edge<br>Frequency<br>(MHz) | Peak Level<br>(dBμV/m) | Average<br>Level<br>(dBμV/m) |
|---------------|-------------------|------------------|-------------------|--------------------------|---------------------------------|------------------------|------------------------------|
| 802.11ax HE80 | MCS 4x1           | SU               | -                 | 5985                     | 5925                            | 75.28                  | 59.69                        |
| 802.11ax HE80 | MCS 11x1          | 106              | 53                | 5985                     | 5925                            | 55.64                  | 43.96                        |
| 802.11ax HE80 | MCS 11x1          | SU               | -                 | 7025                     | 7125                            | 58.57                  | 46.62                        |
| 802.11ax HE80 | MCS 11x1          | 52               | 52                | 7025                     | 7125                            | 57.77                  | 46.56                        |

Table 259 - SISO Authorised Band Edge Results

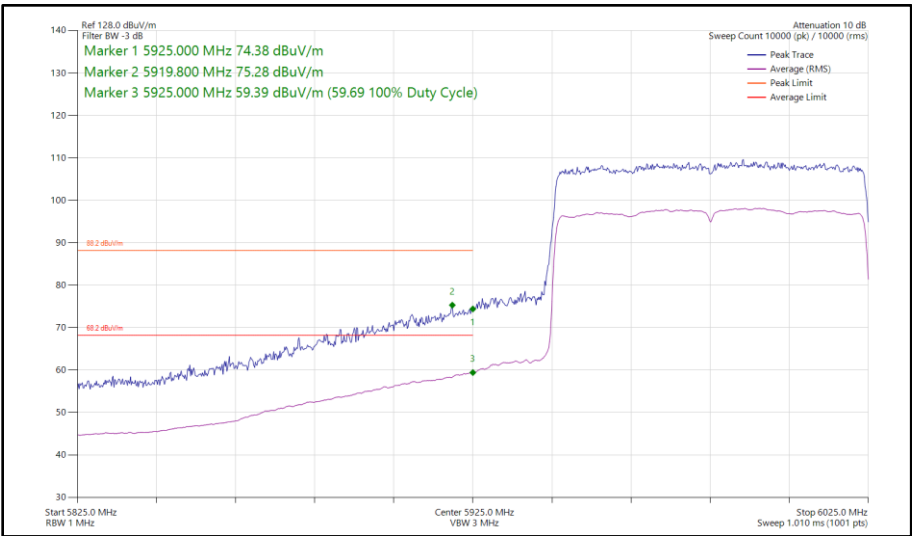


Figure 230 - 802.11ax HE80, SU, SISO, Core 1 - 5985 MHz  
Band Edge Frequency 5925 MHz

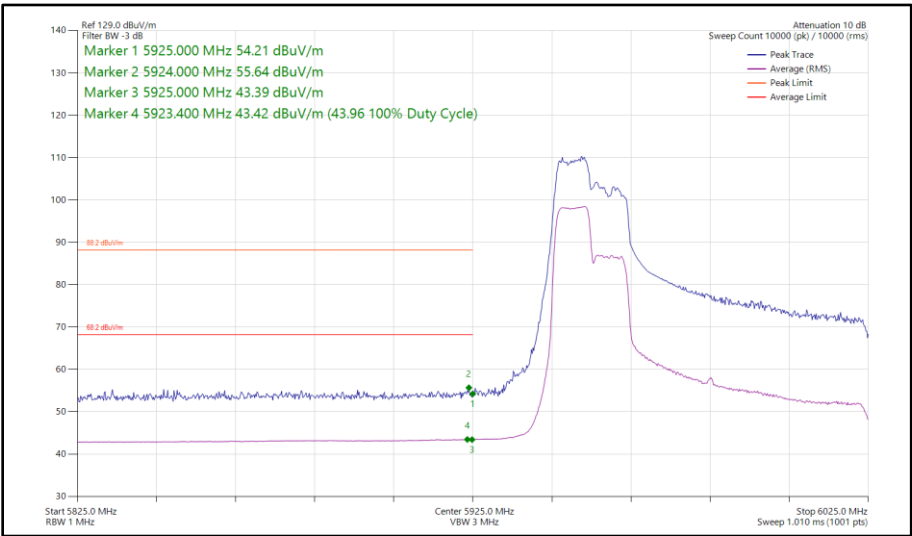
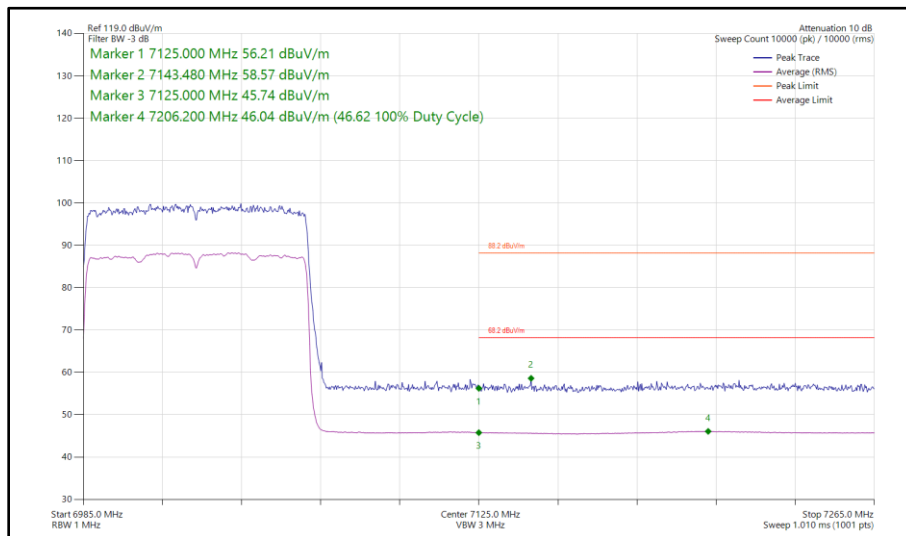
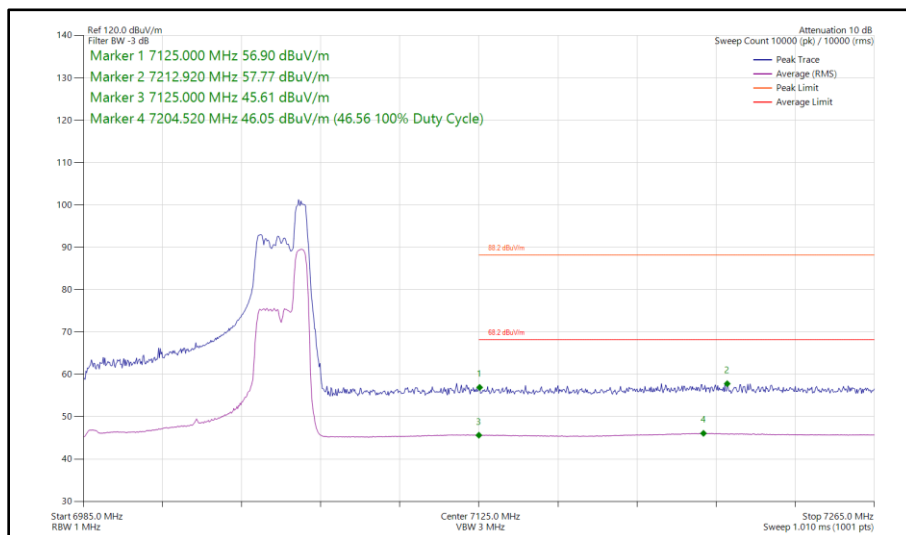


Figure 231 - 802.11ax HE80, RU 106-53, SISO, Core 1 - 5985 MHz  
Band Edge Frequency 5925 MHz



**Figure 232 - 802.11ax HE80, SU, SISO, Core 1 - 7025 MHz  
Band Edge Frequency 7125 MHz**



**Figure 233 - 802.11ax HE80, RU 52-52, SISO, Core 1 - 7025 MHz  
Band Edge Frequency 7125 MHz**

80 MHz Bandwidth - Core 0 - Core 1 (CDD)

| Mode          | Data Rate/<br>MCS | Resource<br>Size | Resource<br>Index | TX<br>Frequency<br>(MHz) | Band Edge<br>Frequency<br>(MHz) | Peak Level<br>(dBμV/m) | Average<br>Level<br>(dBμV/m) |
|---------------|-------------------|------------------|-------------------|--------------------------|---------------------------------|------------------------|------------------------------|
| 802.11ax HE80 | MCS 11x1          | SU               | -                 | 5985                     | 5925                            | 76.85                  | 62.38                        |
| 802.11ax HE80 | MCS 11x1          | 106              | 53                | 5985                     | 5925                            | 55.74                  | 44.02                        |
| 802.11ax HE80 | MCS 11x1          | SU               | -                 | 7025                     | 7125                            | 58.14                  | 46.65                        |
| 802.11ax HE80 | MCS 11x1          | 106              | 60                | 7025                     | 7125                            | 58.56                  | 46.57                        |

Table 260 - CDD Authorised Band Edge Results

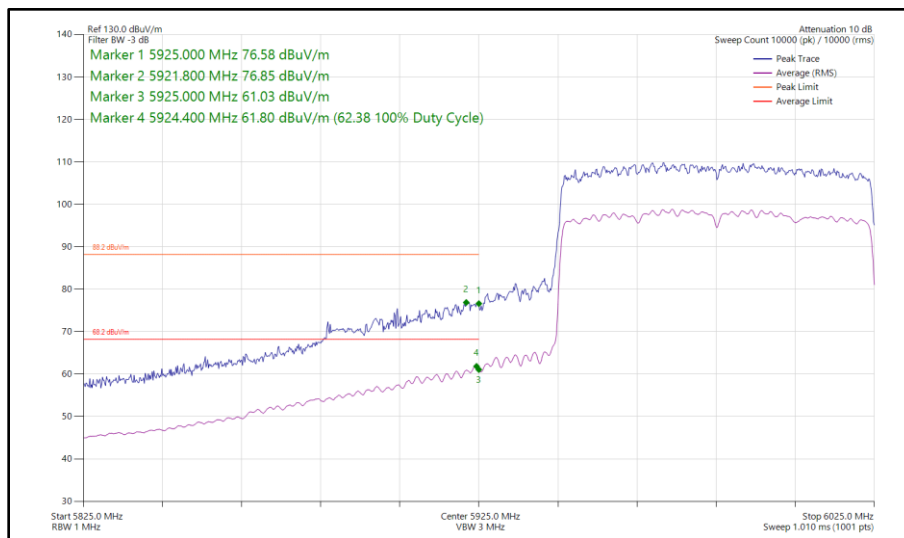


Figure 234 - 802.11ax HE80, SU, CDD, Core 0 - Core 1 - 5985 MHz  
Band Edge Frequency 5925 MHz

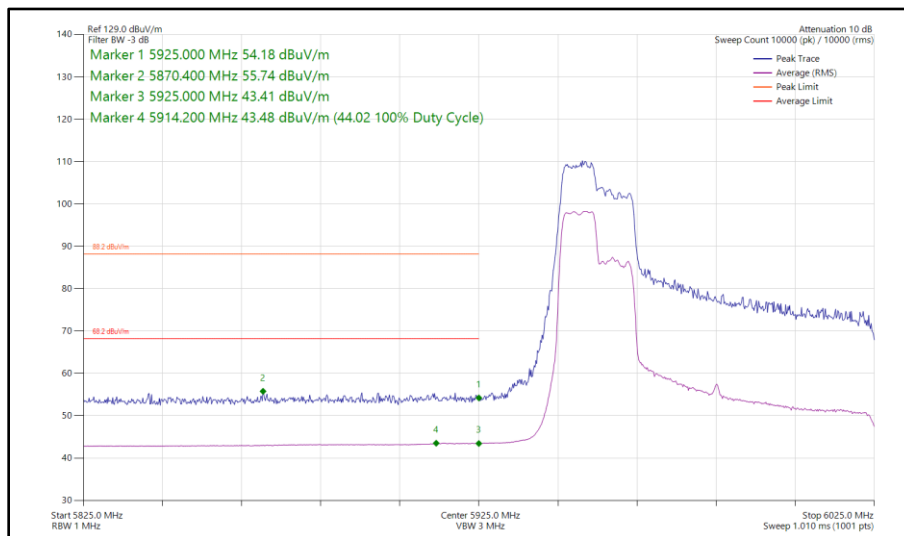


Figure 235 - 802.11ax HE80, RU 106-53, CDD, Core 0 - Core 1 - 5985 MHz  
Band Edge Frequency 5925 MHz

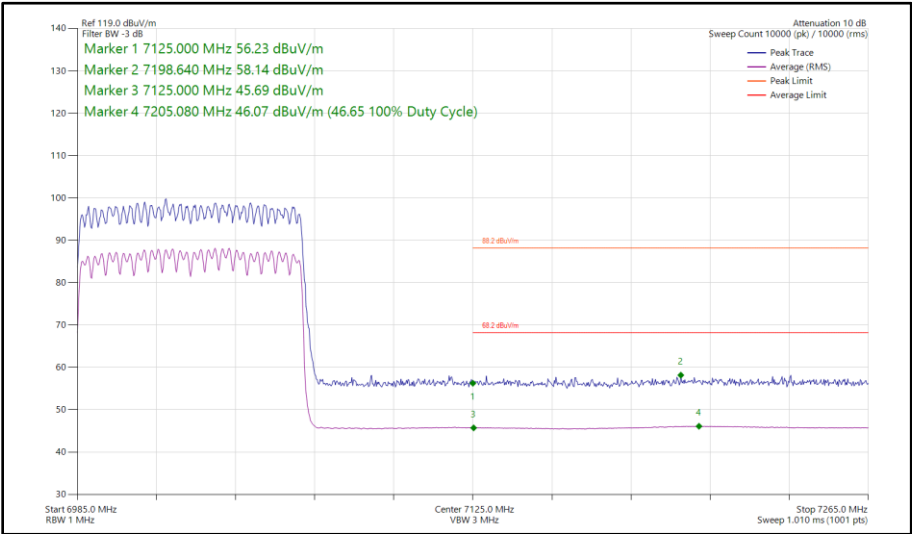


Figure 236 - 802.11ax HE80, SU, CDD, Core 0 - Core 1 - 7025 MHz  
Band Edge Frequency 7125 MHz

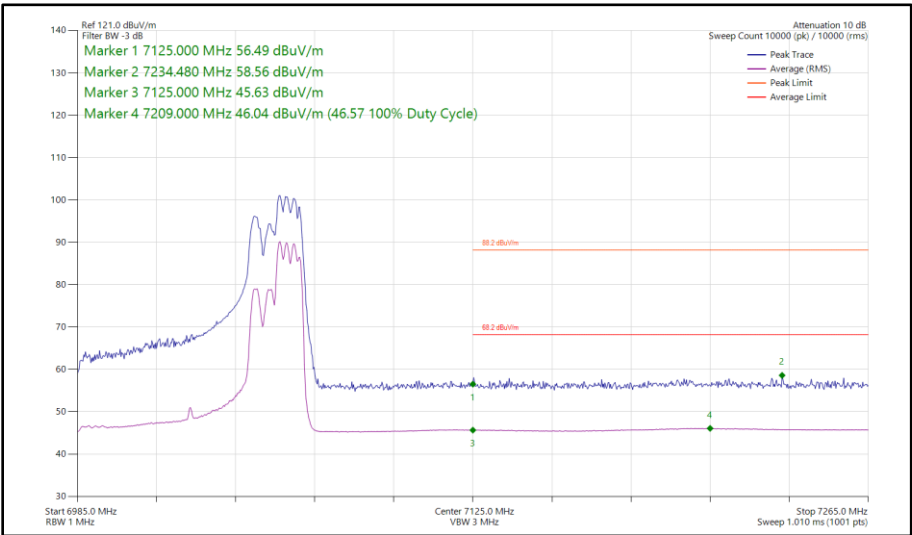


Figure 237 - 802.11ax HE80, RU 106-60, CDD, Core 0 - Core 1 - 7025 MHz  
Band Edge Frequency 7125 MHz

80 MHz Bandwidth - Core 0 - Core 1 (SDM)

| Mode          | Data Rate/<br>MCS | Resource<br>Size | Resource<br>Index | TX<br>Frequency<br>(MHz) | Band Edge<br>Frequency<br>(MHz) | Peak Level<br>(dBμV/m) | Average<br>Level<br>(dBμV/m) |
|---------------|-------------------|------------------|-------------------|--------------------------|---------------------------------|------------------------|------------------------------|
| 802.11ax HE80 | MCS 11x2          | SU               | -                 | 5985                     | 5925                            | 76.54                  | 61.63                        |
| 802.11ax HE80 | MCS 11x2          | 106              | 53                | 5985                     | 5925                            | 55.82                  | 44.01                        |
| 802.11ax HE80 | MCS 11x2          | SU               | -                 | 7025                     | 7125                            | 58.39                  | 46.85                        |
| 802.11ax HE80 | MCS 11x2          | 106              | 60                | 7025                     | 7125                            | 57.95                  | 46.58                        |

Table 261 - SDM Authorised Band Edge Results

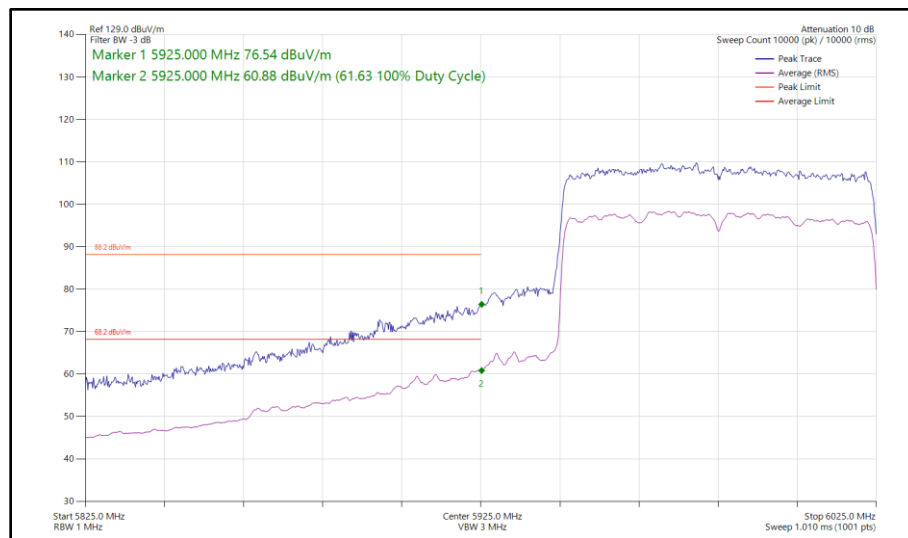


Figure 238 - 802.11ax HE80, SU, SDM, Core 0 - Core 1 - 5985 MHz  
Band Edge Frequency 5925 MHz

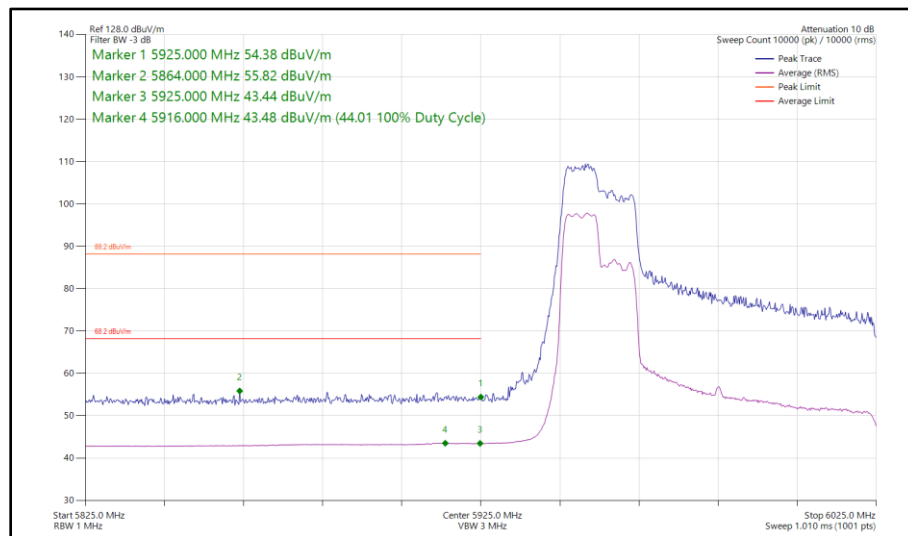


Figure 239 - 802.11ax HE80, RU 106-53, SDM, Core 0 - Core 1 - 5985 MHz  
Band Edge Frequency 5925 MHz

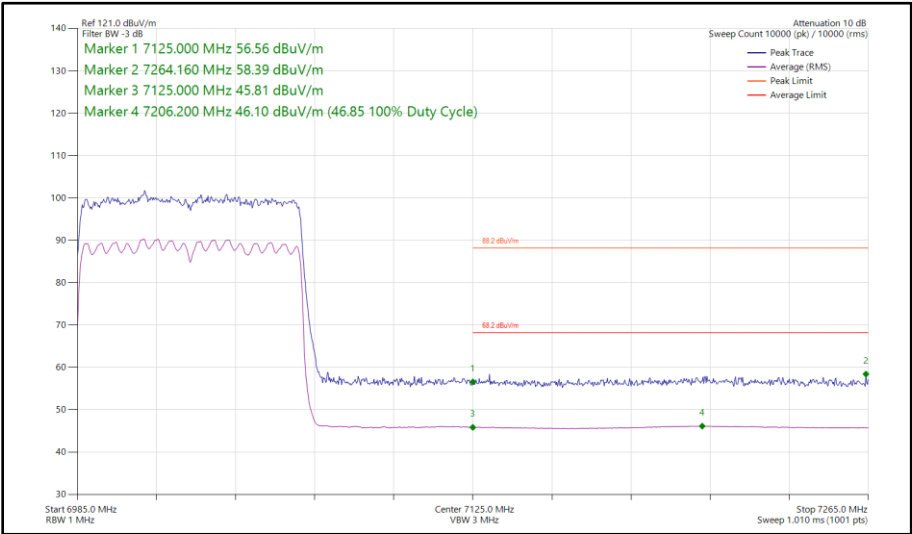


Figure 240 - 802.11ax HE80, SU, SDM, Core 0 - Core 1 - 7025 MHz  
Band Edge Frequency 7125 MHz

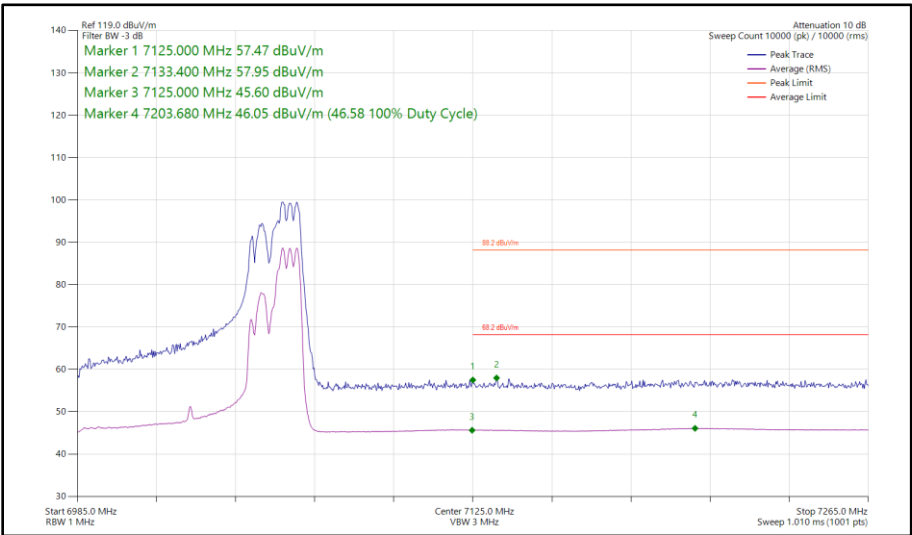


Figure 241 - 802.11ax HE80, RU 106-60, SDM, Core 0 - Core 1 - 7025 MHz  
Band Edge Frequency 7125 MHz

80 MHz Bandwidth - Core 0 - Core 1 (TxBF)

| Mode          | Data Rate/<br>MCS | Resource<br>Size | Resource<br>Index | TX<br>Frequency<br>(MHz) | Band Edge<br>Frequency<br>(MHz) | Peak Level<br>(dBμV/m) | Average<br>Level<br>(dBμV/m) |
|---------------|-------------------|------------------|-------------------|--------------------------|---------------------------------|------------------------|------------------------------|
| 802.11ax HE80 | MCS 2x1           | SU               | -                 | 5985                     | 5925                            | 77.28                  | 64.90                        |
| 802.11ax HE80 | MCS 4x1           | SU               | -                 | 7025                     | 7125                            | 77.18                  | 61.42                        |

Table 262 - TxBF Authorised Band Edge Results

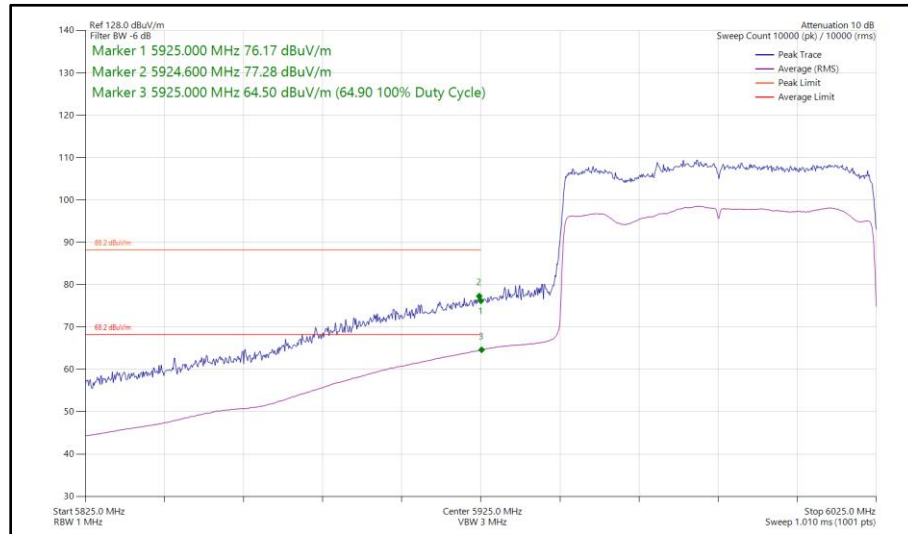


Figure 242 - 802.11ax HE80, SU, TxBF, Core 0 - Core 1 - 5985 MHz  
Band Edge Frequency 5925 MHz

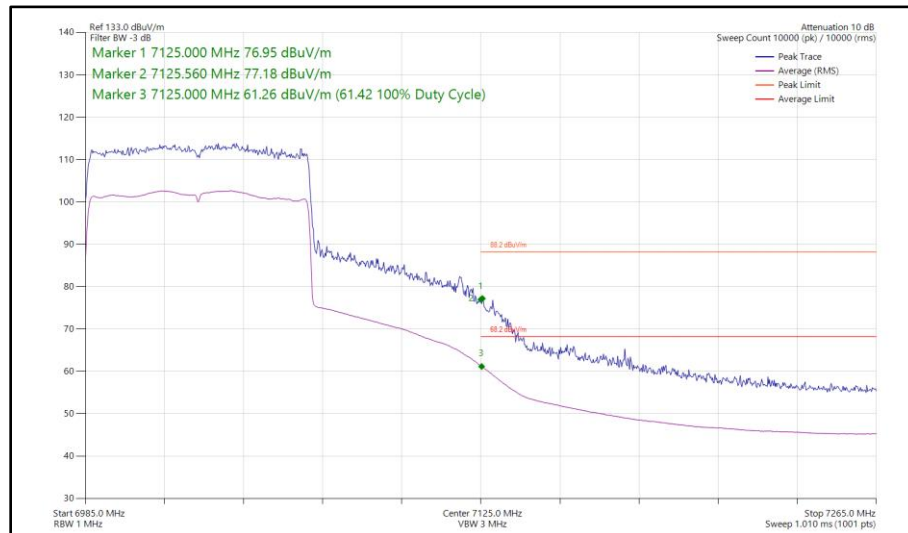
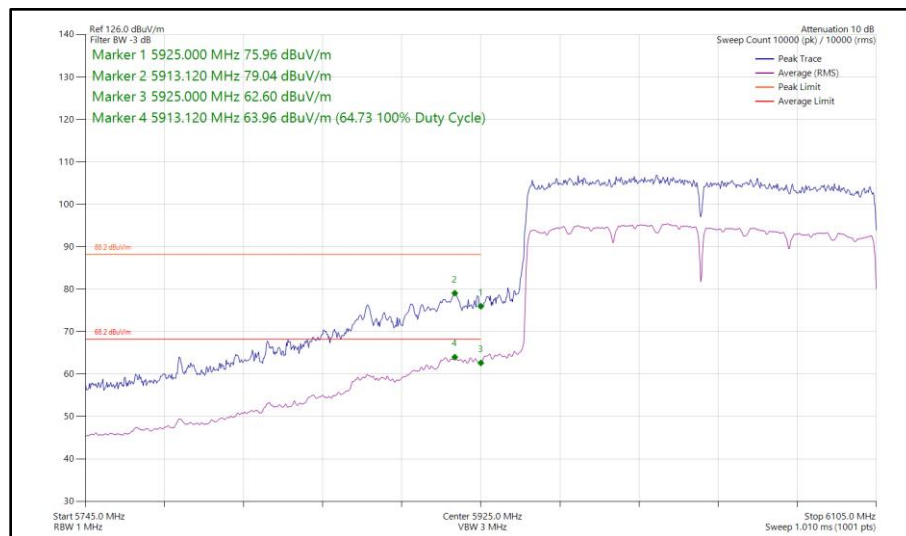


Figure 243 - 802.11ax HE80, SU, TxBF, Core 0 - Core 1 - 7025 MHz  
Band Edge Frequency 7125 MHz

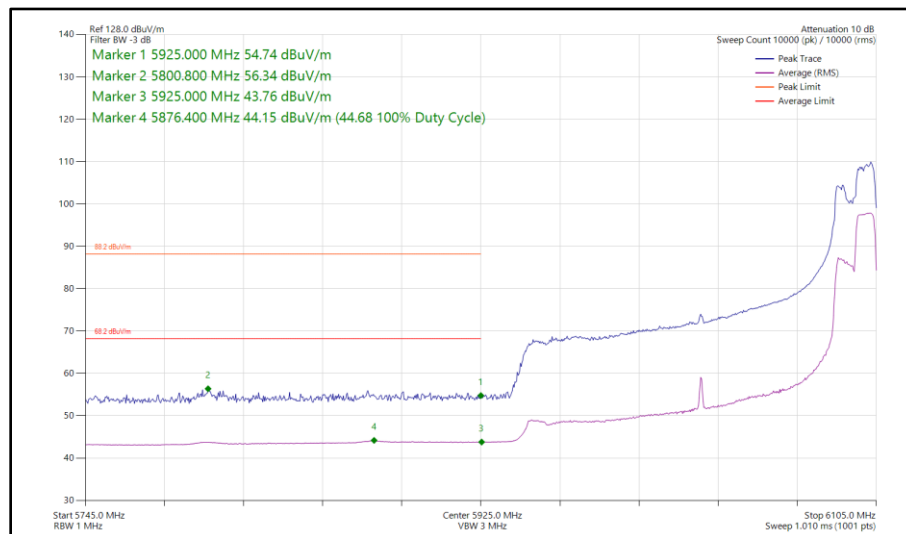
160 MHz Bandwidth - Core 0 (SISO)

| Mode           | Data Rate/<br>MCS | Resource<br>Size | Resource<br>Index | TX<br>Frequency<br>(MHz) | Band Edge<br>Frequency<br>(MHz) | Peak Level<br>(dBμV/m) | Average<br>Level<br>(dBμV/m) |
|----------------|-------------------|------------------|-------------------|--------------------------|---------------------------------|------------------------|------------------------------|
| 802.11ax HE160 | MCS 11x1          | SU               | -                 | 6025                     | 5925                            | 79.04                  | 64.73                        |
| 802.11ax HE160 | MCS 11x1          | 106              | 60S               | 6025                     | 5925                            | 56.34                  | 44.68                        |
| 802.11ax HE160 | MCS 11x1          | SU               | -                 | 6985                     | 7125                            | 65.03                  | 49.87                        |
| 802.11ax HE160 | MCS 11x1          | 106              | 53P               | 6985                     | 7125                            | 58.42                  | 46.56                        |

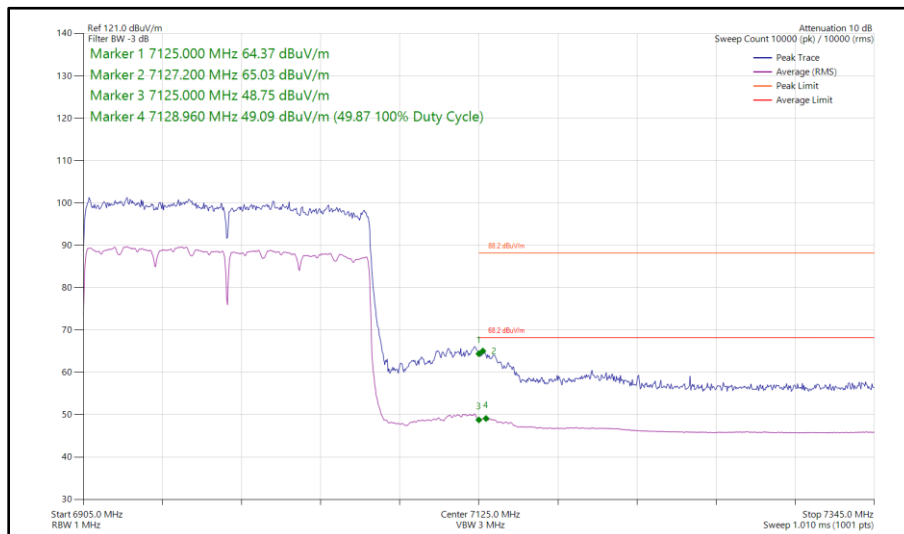
**Table 263 - SISO Authorised Band Edge Results**



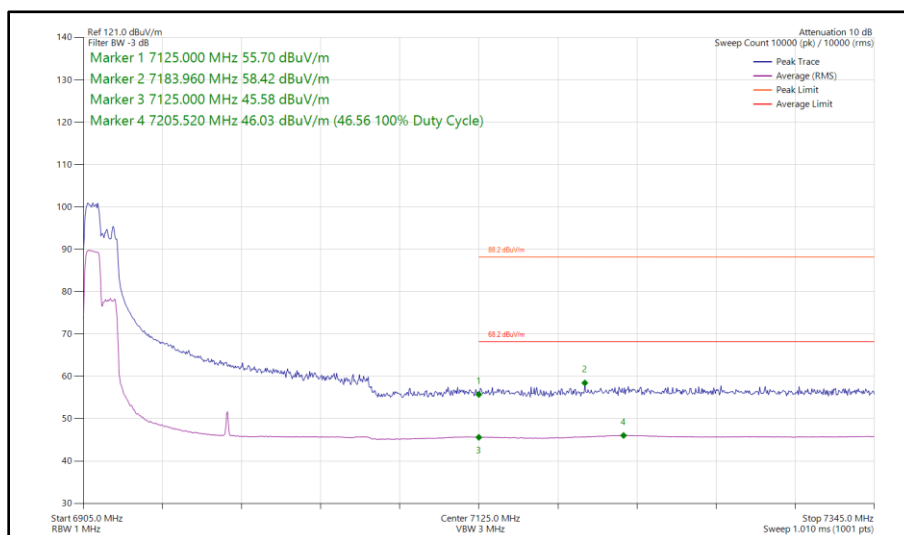
**Figure 244 - 802.11ax HE160, SU, SISO, Core 0 - 6025 MHz  
Band Edge Frequency 5925 MHz**



**Figure 245 - 802.11ax HE160, RU 106-60S, SISO, Core 0 - 6025 MHz  
Band Edge Frequency 5925 MHz**



**Figure 246 - 802.11ax HE160, SU, SISO, Core 0 - 6985 MHz  
Band Edge Frequency 7125 MHz**

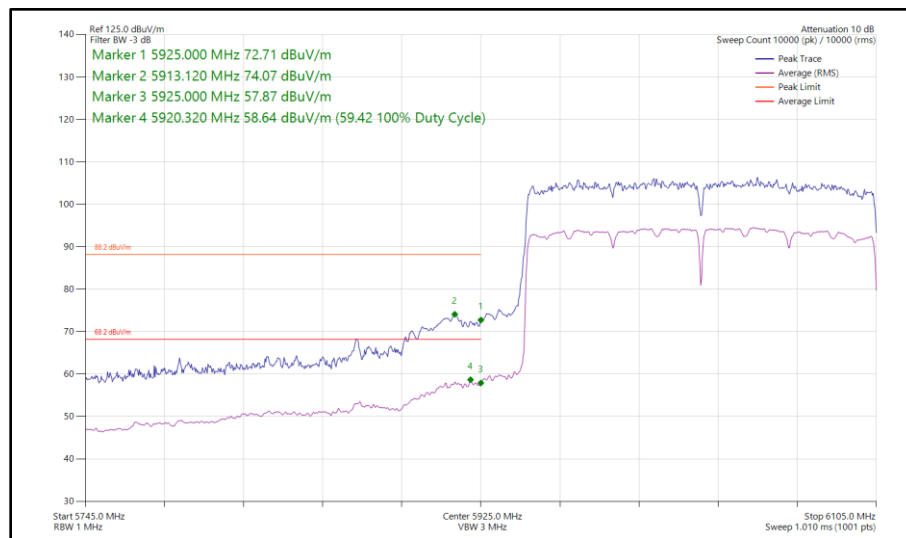


**Figure 247 - 802.11ax HE160, RU 106-53P, SISO, Core 0 - 6985 MHz  
Band Edge Frequency 7125 MHz**

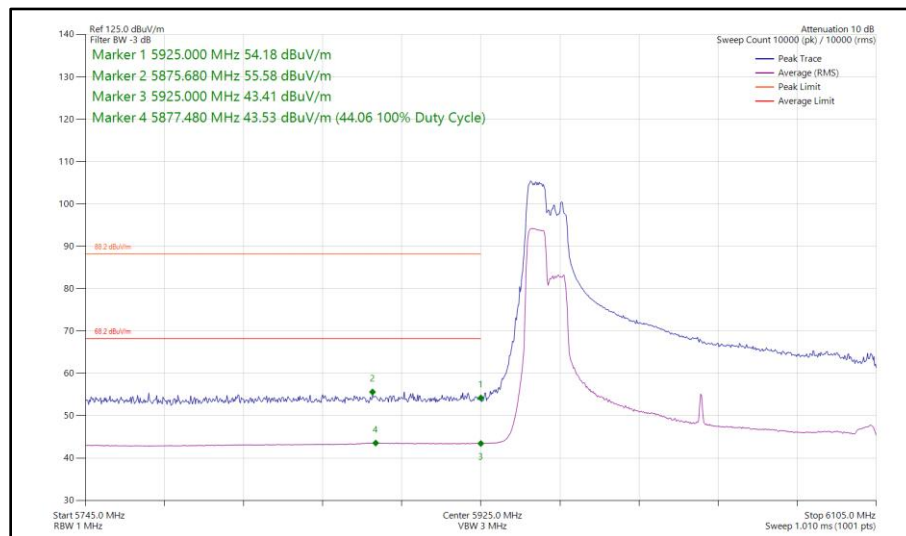
160 MHz Bandwidth - Core 1 (SISO)

| Mode           | Data Rate/<br>MCS | Resource<br>Size | Resource<br>Index | TX<br>Frequency<br>(MHz) | Band Edge<br>Frequency<br>(MHz) | Peak Level<br>(dBμV/m) | Average<br>Level<br>(dBμV/m) |
|----------------|-------------------|------------------|-------------------|--------------------------|---------------------------------|------------------------|------------------------------|
| 802.11ax HE160 | MCS 11x1          | SU               | -                 | 6025                     | 5925                            | 74.07                  | 59.42                        |
| 802.11ax HE160 | MCS 11x1          | 106              | 53P               | 6025                     | 5925                            | 55.58                  | 44.06                        |
| 802.11ax HE160 | MCS 11x1          | SU               | -                 | 6985                     | 7125                            | 61.62                  | 48.34                        |
| 802.11ax HE160 | MCS 11x1          | 106              | 53P               | 6985                     | 7125                            | 58.21                  | 46.58                        |

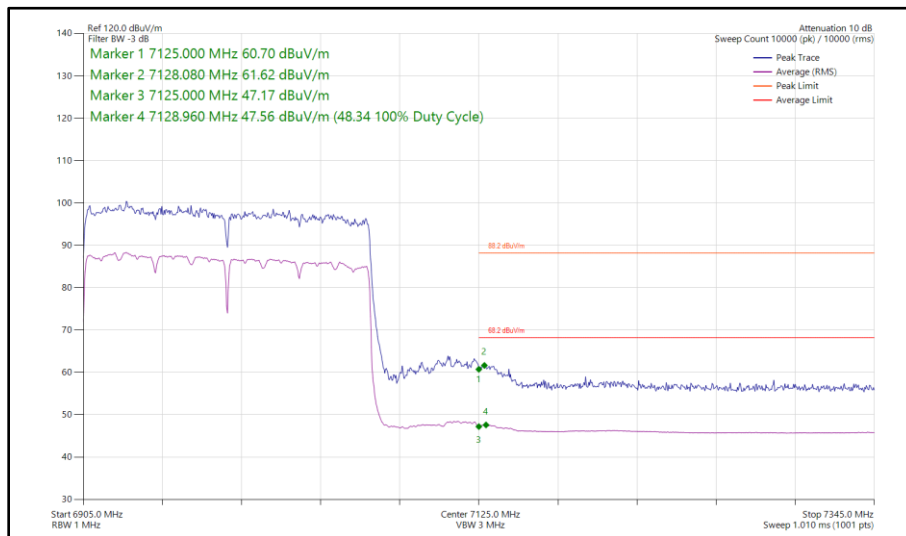
**Table 264 - SISO Authorised Band Edge Results**



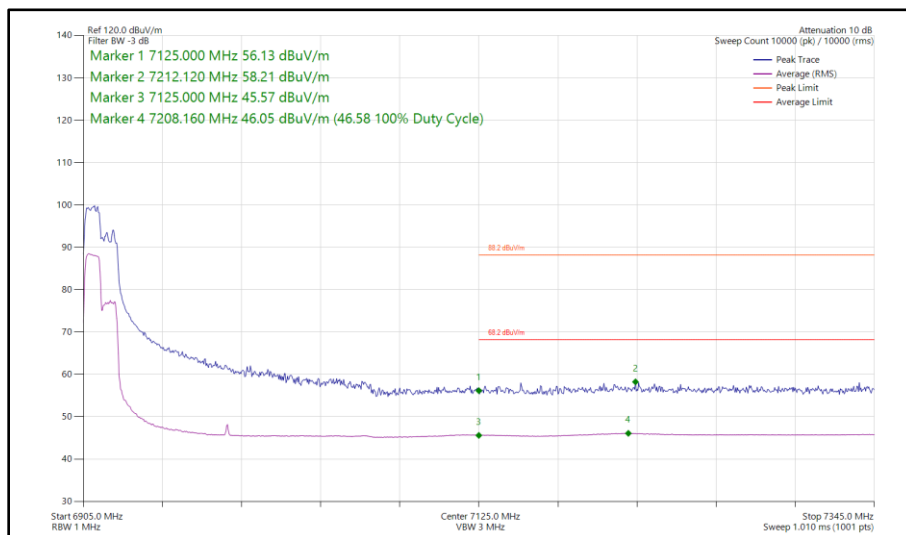
**Figure 248 - 802.11ax HE160, SU, SISO, Core 1 - 6025 MHz  
Band Edge Frequency 5925 MHz**



**Figure 249 - 802.11ax HE160, RU 106-53P, SISO, Core 1 - 6025 MHz  
Band Edge Frequency 5925 MHz**



**Figure 250 - 802.11ax HE160, SU, SISO, Core 1 - 6985 MHz  
Band Edge Frequency 7125 MHz**

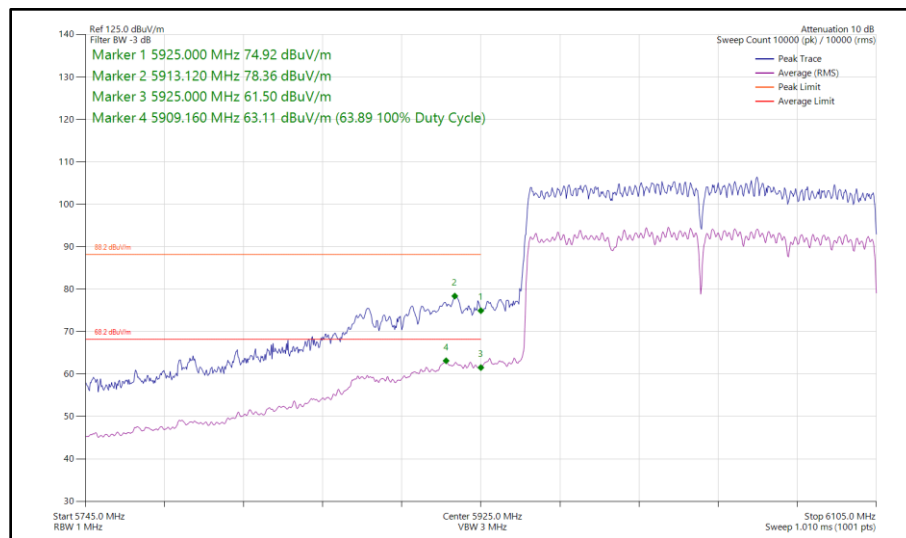


**Figure 251 - 802.11ax HE160, RU 106-53P, SISO, Core 1 - 6985 MHz  
Band Edge Frequency 7125 MHz**

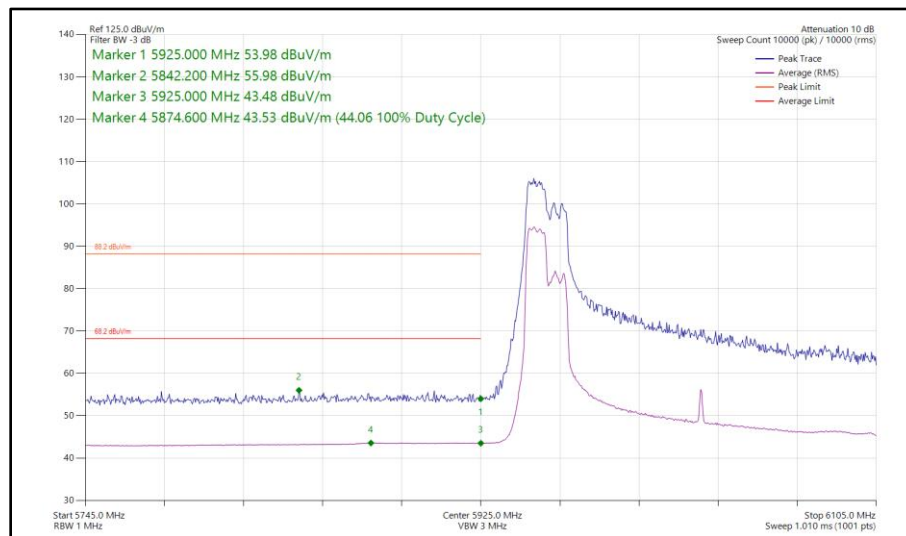
160 MHz Bandwidth - Core 0 - Core 1 (CDD)

| Mode           | Data Rate/<br>MCS | Resource<br>Size | Resource<br>Index | TX<br>Frequency<br>(MHz) | Band Edge<br>Frequency<br>(MHz) | Peak Level<br>(dBμV/m) | Average<br>Level<br>(dBμV/m) |
|----------------|-------------------|------------------|-------------------|--------------------------|---------------------------------|------------------------|------------------------------|
| 802.11ax HE160 | MCS 11x1          | SU               | -                 | 6025                     | 5925                            | 78.36                  | 63.89                        |
| 802.11ax HE160 | MCS 11x1          | 106              | 53P               | 6025                     | 5925                            | 55.98                  | 44.06                        |
| 802.11ax HE160 | MCS 11x1          | SU               | -                 | 6985                     | 7125                            | 80.43                  | 65.70                        |
| 802.11ax HE160 | MCS 11x1          | 106              | 53P               | 6985                     | 7125                            | 57.76                  | 46.56                        |

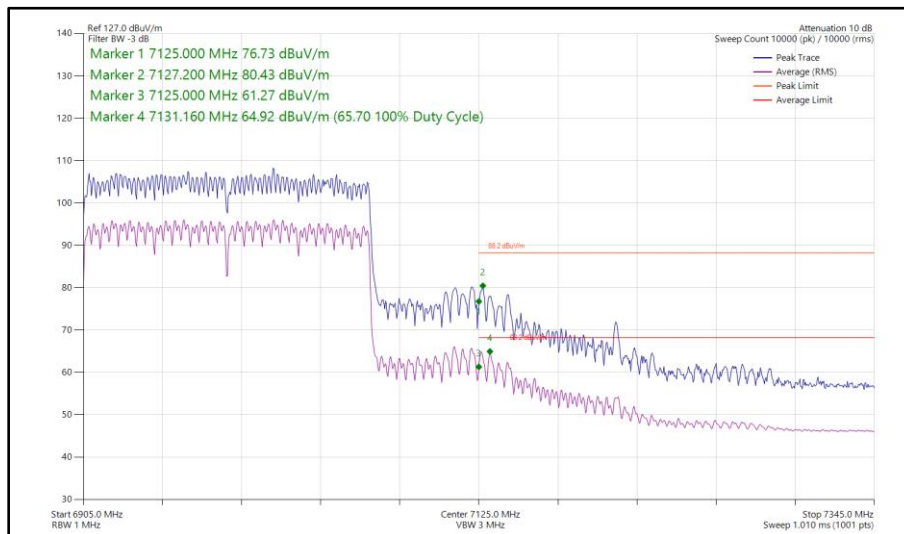
**Table 265 - CDD Authorised Band Edge Results**



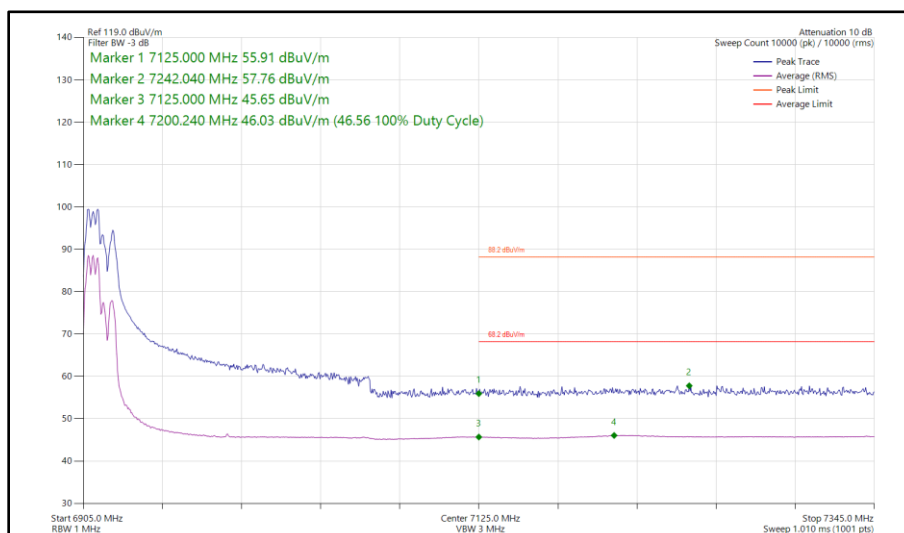
**Figure 252 - 802.11ax HE160, SU, CDD, Core 0 - Core 1 - 6025 MHz  
Band Edge Frequency 5925 MHz**



**Figure 253 - 802.11ax HE160, RU 106-53P, CDD, Core 0 - Core 1 - 6025 MHz  
Band Edge Frequency 5925 MHz**



**Figure 254 - 802.11ax HE160, SU, CDD, Core 0 - Core 1 - 6985 MHz  
Band Edge Frequency 7125 MHz**

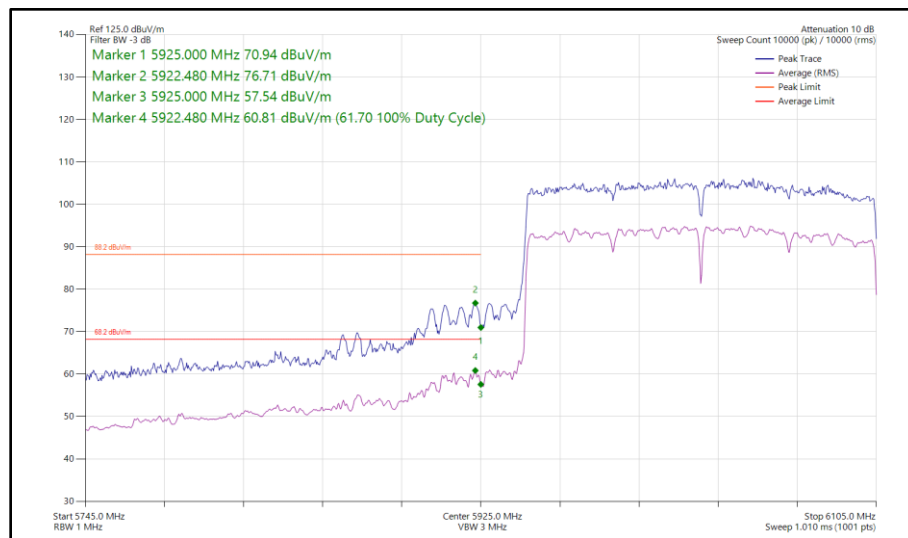


**Figure 255 - 802.11ax HE160, RU 106-53P, CDD, Core 0 - Core 1 - 6985 MHz  
Band Edge Frequency 7125 MHz**

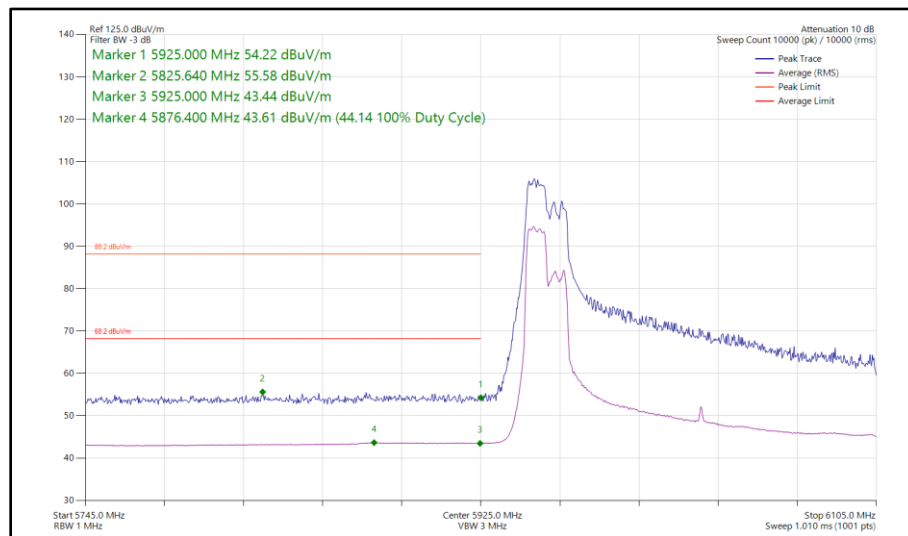
160 MHz Bandwidth - Core 0 - Core 1 (SDM)

| Mode           | Data Rate/<br>MCS | Resource<br>Size | Resource<br>Index | TX<br>Frequency<br>(MHz) | Band Edge<br>Frequency<br>(MHz) | Peak Level<br>(dBμV/m) | Average<br>Level<br>(dBμV/m) |
|----------------|-------------------|------------------|-------------------|--------------------------|---------------------------------|------------------------|------------------------------|
| 802.11ax HE160 | MCS 11x2          | SU               | -                 | 6025                     | 5925                            | 76.71                  | 61.70                        |
| 802.11ax HE160 | MCS 11x2          | 106              | 53P               | 6025                     | 5925                            | 55.58                  | 44.14                        |
| 802.11ax HE160 | MCS 11x2          | SU               | -                 | 6985                     | 7125                            | 60.60                  | 48.88                        |
| 802.11ax HE160 | MCS 11x2          | 106              | 53P               | 6985                     | 7125                            | 58.42                  | 46.60                        |

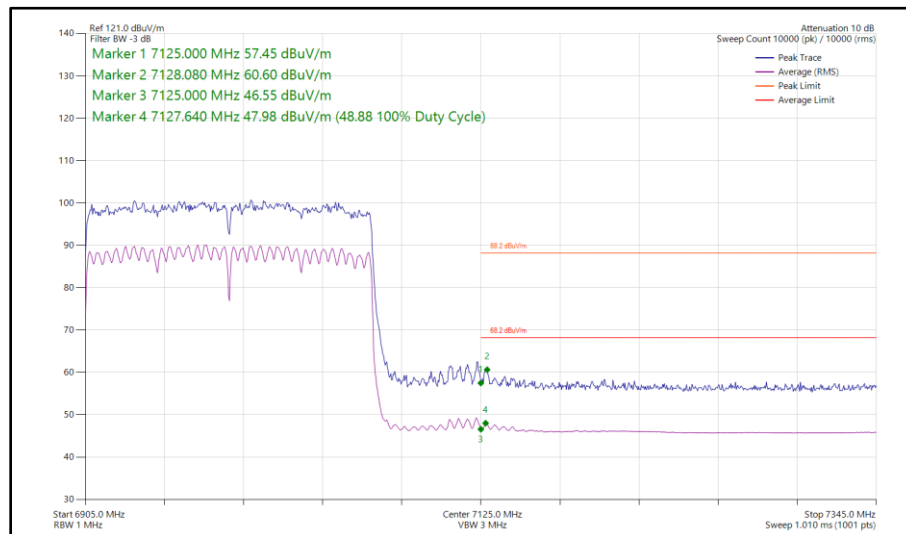
**Table 266 - SDM Authorised Band Edge Results**



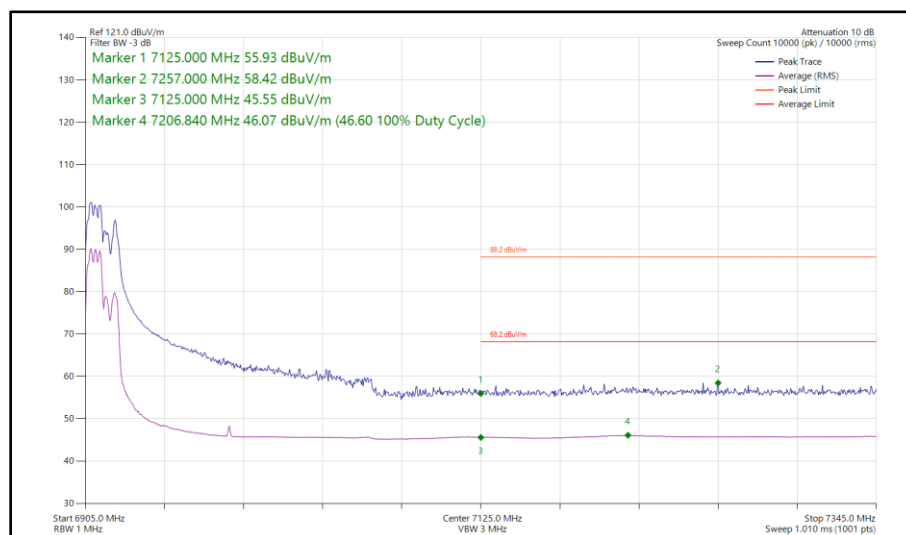
**Figure 256 - 802.11ax HE160, SU, SDM, Core 0 - Core 1 - 6025 MHz  
Band Edge Frequency 5925 MHz**



**Figure 257 - 802.11ax HE160, RU 106-53P, SDM, Core 0 - Core 1 - 6025 MHz  
Band Edge Frequency 5925 MHz**



**Figure 258 - 802.11ax HE160, SU, SDM, Core 0 - Core 1 - 6985 MHz  
Band Edge Frequency 7125 MHz**



**Figure 259 - 802.11ax HE160, RU 106-53P, SDM, Core 0 - Core 1 - 6985 MHz  
Band Edge Frequency 7125 MHz**

FCC 47 CFR Part 15E, Limit Clause 15.407(b)(1)(2)(3)(4)

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.

ISED RSS-248, Limit Clause 4.6.2(a)

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



## 2.5.7 Test Location and Test Equipment Used

This test was carried out in RF Chamber 14, RF Chamber 15 and RF Chamber 17.

| Instrument                                       | Manufacturer       | Type No.             | TE No. | Calibration Period (months) | Calibration Expiry Date |
|--------------------------------------------------|--------------------|----------------------|--------|-----------------------------|-------------------------|
| Cable (18 GHz)                                   | Rosenberger        | LU7-071-1000         | 5102   | 12                          | 21-Nov-2024             |
| Emissions Software                               | TUV SUD            | EmX V3.4.2           | 5125   | -                           | Software                |
| Test Receiver                                    | Rohde & Schwarz    | ESW44                | 5379   | 12                          | 12-Dec-2024             |
| EMI Test Receiver                                | Rohde & Schwarz    | ESW44                | 5911   | 12                          | 19-Sep-2025             |
| EMI Test Receiver                                | Rohde & Schwarz    | ESW44                | 5912   | 12                          | 07-Aug-2025             |
| Test Receiver                                    | Rohde & Schwarz    | ESW44                | 5914   | 12                          | 24-May-2025             |
| 1500W (300V 12A) AC Power Supply                 | iTech              | IT7324               | 5955   | -                           | O/P Mon                 |
| 1500W (300V 12A) AC Power Supply                 | iTech              | IT7324               | 5956   | -                           | O/P Mon                 |
| 1500W (300V 12A) AC Power Supply                 | iTech              | IT7324               | 5957   | -                           | O/P Mon                 |
| 5m Semi-Anechoic Chamber (Dual-Axis)             | Albatross Projects | RF Chamber 14        | 5958   | 36                          | 26-Apr-2025             |
| Compact Antenna Mast                             | Maturo Gmbh        | CAM4.0-P             | 5959   | -                           | TU                      |
| Mast & Turntable Controller                      | Maturo Gmbh        | FCU3.0               | 5960   | -                           | TU                      |
| Tilt Antenna Mast                                | Maturo Gmbh        | BAM4.5-P             | 5961   | -                           | TU                      |
| Turntable                                        | Maturo Gmbh        | TT1.5SI              | 5962   | -                           | TU                      |
| 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 (SMA to SMA 1m)                            | Junkosha           | MWX221-01000AMSAMS/A | 6007   | 12                          | 20-May-2025             |
| Horn Antenna (1-10.5 GHz)                        | Schwarzbeck        | BBHA9120B            | 6140   | 12                          | 05-May-2025             |
| Horn Antenna (1-10 GHz)                          | Schwarzbeck        | BBHA9120B            | 6141   | 12                          | 05-May-2025             |
| Horn Antenna (1-10 GHz)                          | Schwarzbeck        | BBHA9120B            | 6142   | 12                          | 05-May-2025             |
| Digital Multimeter                               | Fluke              | 115                  | 6145   | 12                          | 06-Jun-2025             |
| Digital Multimeter                               | Fluke              | 115                  | 6147   | 12                          | 06-Jun-2025             |
| Humidity & Temperature meter                     | R.S Components     | 1364                 | 6149   | 12                          | 12-Aug-2025             |
| SAC Switch Unit                                  | TUV SUD            | TUV_SSU_001          | 6190   | 12                          | 22-Dec-2024             |
| SAC Switch Unit                                  | TUV SUD            | TUV_SSU_001          | 6191   | 12                          | 18-Dec-2024             |
| SAC Switch Unit                                  | TUV SUD            | TUV_SSU_004 PLC      | 6349   | 12                          | 07-May-2025             |
| Horn Antenna (1–10.5 GHz)                        | Schwarzbeck        | BBHA 9120 B          | 6457   | 12                          | 05-May-2025             |
| Humidity and Temperature Meter                   | R.S Components     | 1364                 | 6486   | 12                          | 04-Jun-2025             |



| Instrument                    | Manufacturer       | Type No.             | TE No. | Calibration Period (months) | Calibration Expiry Date |
|-------------------------------|--------------------|----------------------|--------|-----------------------------|-------------------------|
| AC Power Supply               | iTech              | IT7324               | 6657   | -                           | O/P Mon                 |
| 3m Semi-Anechoic Chamber      | Albatross Projects | RF Chamber 17        | 6658   | 36                          | 28-Jan-2026             |
| Mast and Turntable Controller | Maturo Gmbh        | FCU3.0               | 6659   | -                           | TU                      |
| Tilt Antenna Mast             | Maturo Gmbh        | BAM4.5-P             | 6660   | -                           | TU                      |
| Turntable                     | Maturo Gmbh        | TT1.5SI              | 6661   | -                           | TU                      |
| 1m Cable                      | Junkosha           | MWX241-01000AMSAMS/B | 6740   | 12                          | 01-Feb-2025             |
| 1m Cable                      | Junkosha           | MWX241-01000AMSAMS/B | 6741   | 12                          | 01-Feb-2025             |
| 6.5m Cable                    | Junkosha           | MWX221-06500AMSAMS/B | 6744   | 12                          | 01-Feb-2025             |
| 8m Cable                      | Junkosha           | MWX221-08000AMSAMS/B | 6748   | 12                          | 01-Feb-2025             |
| 1M SMA Cable                  | Junkosha           | MWX221-01000AMSAMS/B | 6832   | 12                          | 14-Aug-2025             |
| 8M SMA Cable                  | Junkosha           | MWX221-08000AMSAMS/B | 6834   | 12                          | 14-Aug-2025             |

**Table 267**

TU - Traceability Unscheduled

O/P Mon - Output Monitored using calibrated equipment



## **2.6 Spurious Radiated Emissions**

### **2.6.1 Specification Reference**

FCC 47 CFR Part 15E, Clause 15.209 and 15.407 (b)  
ISED RSS-248, Clause 4.6  
ISED RSS-GEN, Clause 6.13 and 8.9

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

A3389, S/N: LVV0X46J3D - Modification State 0  
A3389, S/N: QQHY5J5267 - Modification State 0  
A3389, S/N: J7CW3WPWFV - Modification State 0

### **2.6.3 Date of Test**

19-October-2024 to 21-October-2024

### **2.6.4 Test Method**

Testing was performed in accordance with ANSI C63.10, clause 6.3, 6.5 and 6.6.

Tests were performed in HE20 CDD in 2TX MIMO mode, with measurements undertaken from 30 MHz to 40 GHz on channels 45 (6175 MHz), 105 (6475 MHz), 149 (6695 MHz), and 209 (6995 MHz).

For the purpose of this testing, spurious emissions were limited to 1 GHz to 40 GHz on all other test channels.

All testing was performed using the lowest data rate/modulation scheme for the applicable mode.

Plots for average measurements were taken in accordance with ANSI C63.10, clause 12.7.7.2 with max-hold trace to characterize the EUT. Where emissions were detected, final average measurements were taken in accordance with ANSI C63.10, clause 12.7.7.2 using an average trace.

The plots shown are the characterization of the EUT. The limits on the plots represent the most stringent case for restricted bands, (54/74 dBuV/m @ 3 m and 64/84 dBuV/m @ 1m) when compared to -27 dBm/MHz RMS EIRP and -7dBm/MHz Peak EIRP outside restricted bands. The limits shown have been used as a threshold to determine where further measurements are necessary. Where results are within 10dB of the limits shown on the plots, further investigation was carried out and reported in results tables.

The following conversion can be applied to convert from dBuV/m to uV/m:  
 $10^{(\text{Field Strength in dBuV/m}/20)}$ .

EIRP was converted to field strength at 3m using the following formula:  
Field Strength (dBuV/m at 3 m) = EIRP (dBm) + 95.2 dB

## 2.6.5 Example Test Setup Diagram

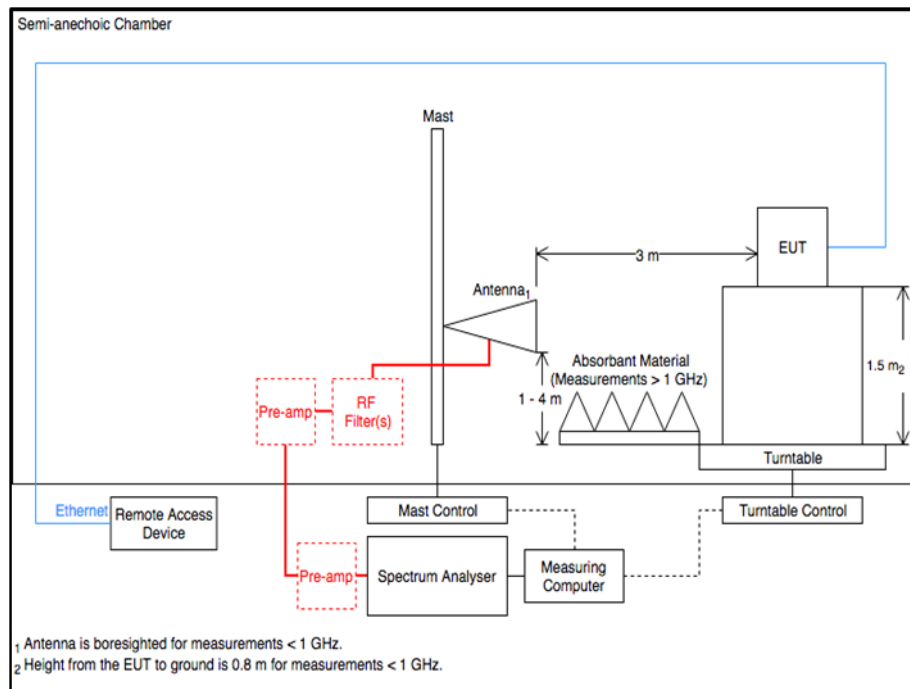


Figure 260 - Radiated Emissions Test Setup Diagram

## 2.6.6 Environmental Conditions

|                     |                |
|---------------------|----------------|
| Ambient Temperature | 21.3 - 23.4 °C |
| Relative Humidity   | 41.5 - 52.9 %  |

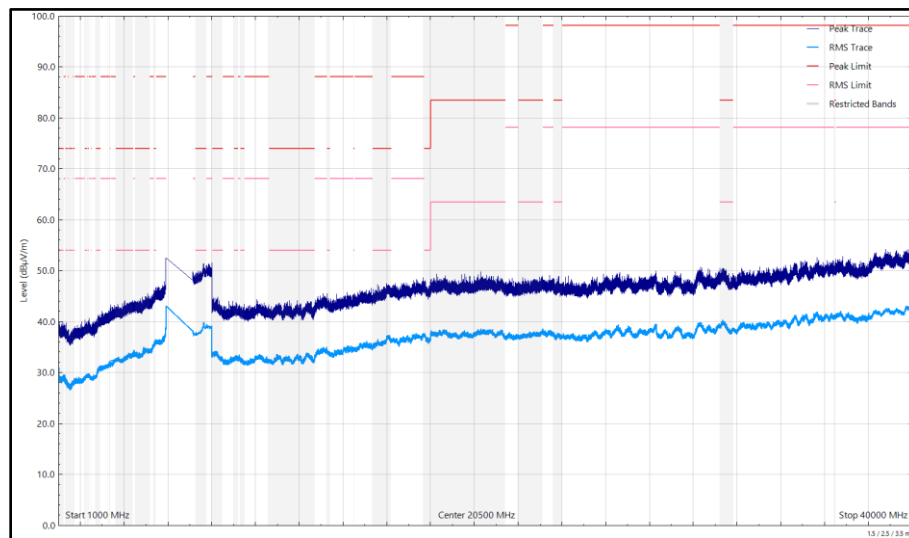
## 2.6.7 Test Results

### 6 GHz WLAN

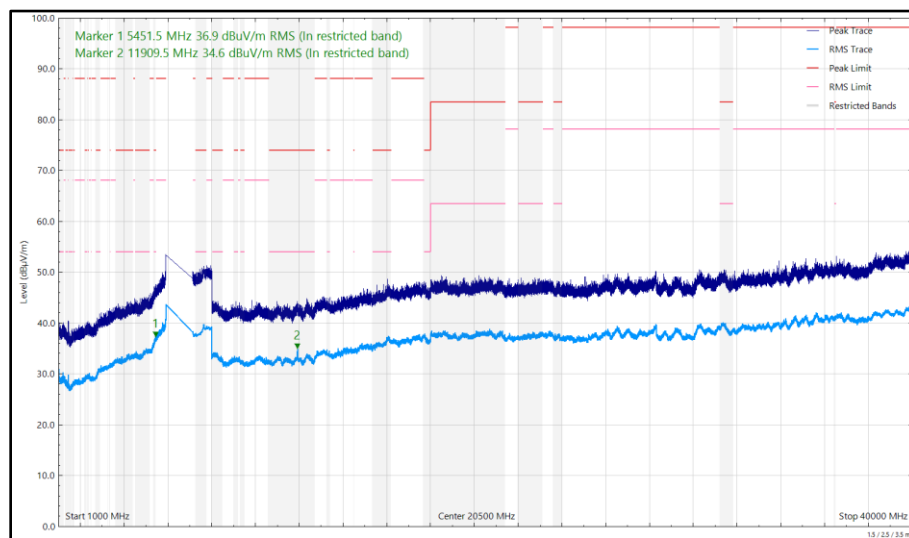
| Frequency (MHz) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------|----------------|-------------|----------|-----------|-------------|--------------|
| 5451.523        | 36.90          | 54.00          | -17.10      | RMS      | 89        | 100         | Vertical     |
| 11909.530       | 34.60          | 54.00          | -19.40      | RMS      | 200       | 125         | Vertical     |

**Table 268 - U-NII-5 - 5955 MHz (CH1), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz**

No other emissions found within 10 dB of the limit.



**Figure 261 - U-NII-5 - 5955 MHz (CH1), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal**

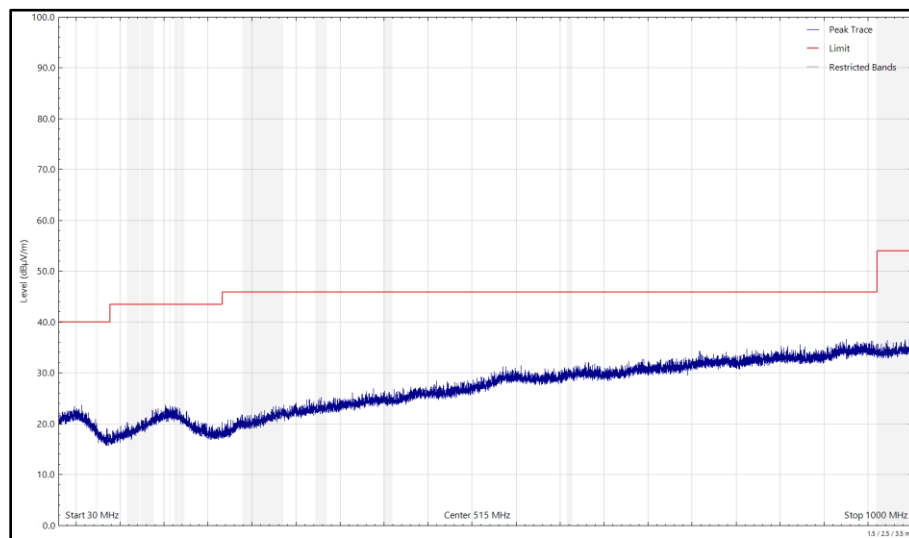


**Figure 262 - U-NII-5 - 5955 MHz (CH1), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical**

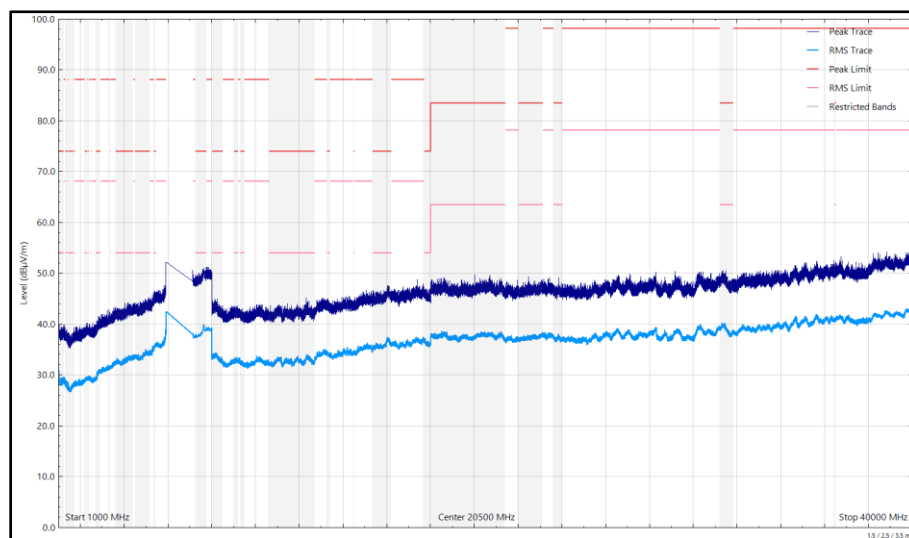
| Frequency (MHz) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------|----------------|-------------|----------|-----------|-------------|--------------|
| *               |                |                |       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

**Table 269 - U-NII-5 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1, 30 MHz to 40 GHz**

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



**Figure 263 - U-NII-5 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)**



**Figure 264 - U-NII-5 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal**

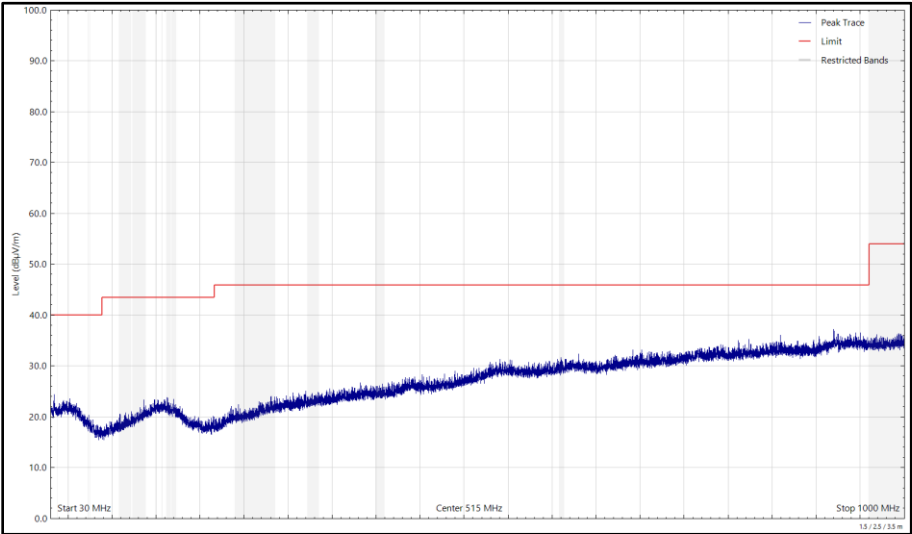


Figure 265 - U-NII-5 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

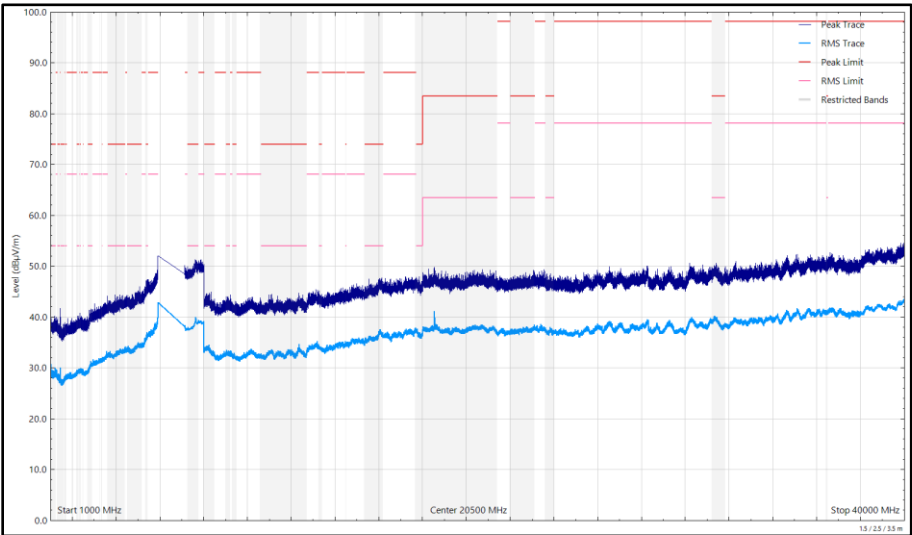
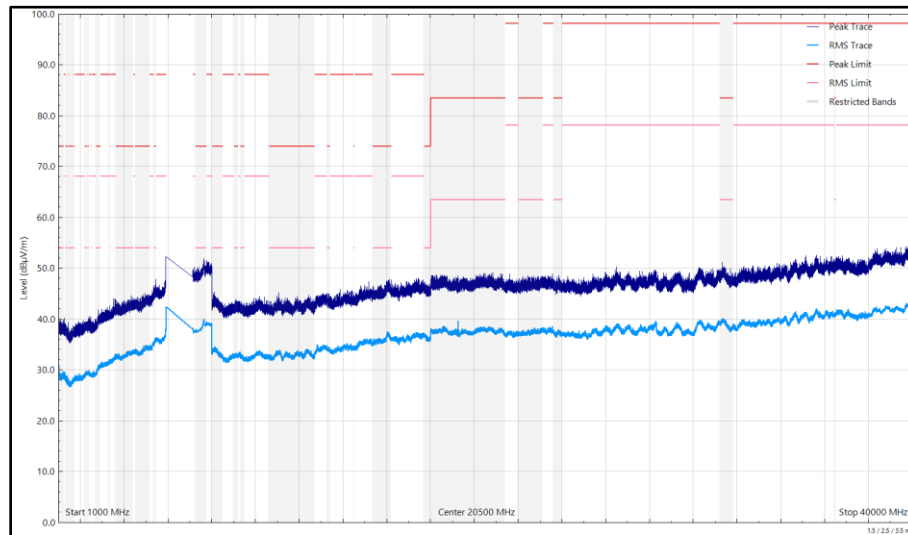


Figure 266 - U-NII-5 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

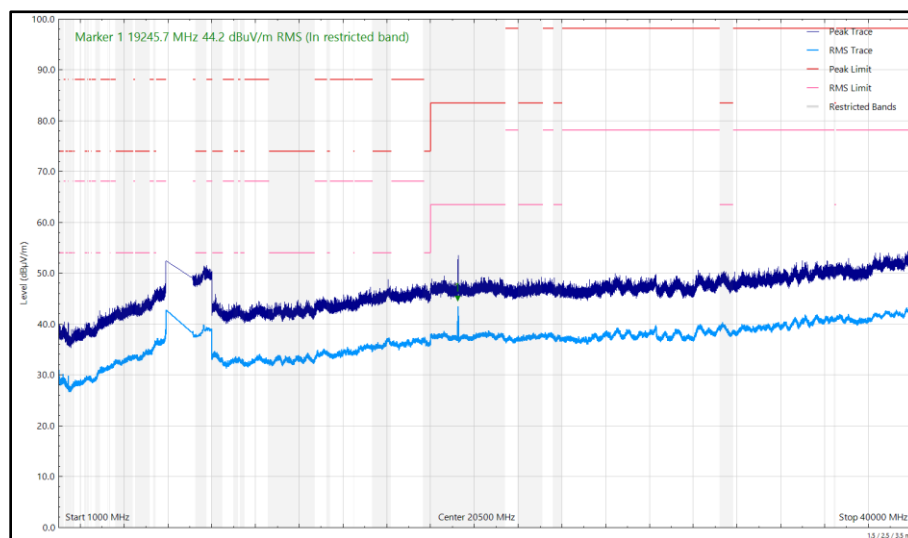
| Frequency (MHz) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------|----------------|-------------|----------|-----------|-------------|--------------|
| 19245.744       | 44.24          | 63.50          | -19.26      | RMS      | 150       | 100         | Vertical     |

**Table 270 - U-NII-5 - 6415 MHz (CH93), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz**

No other emissions found within 10 dB of the limit.



**Figure 267 - U-NII-5 - 6415 MHz (CH93), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal**

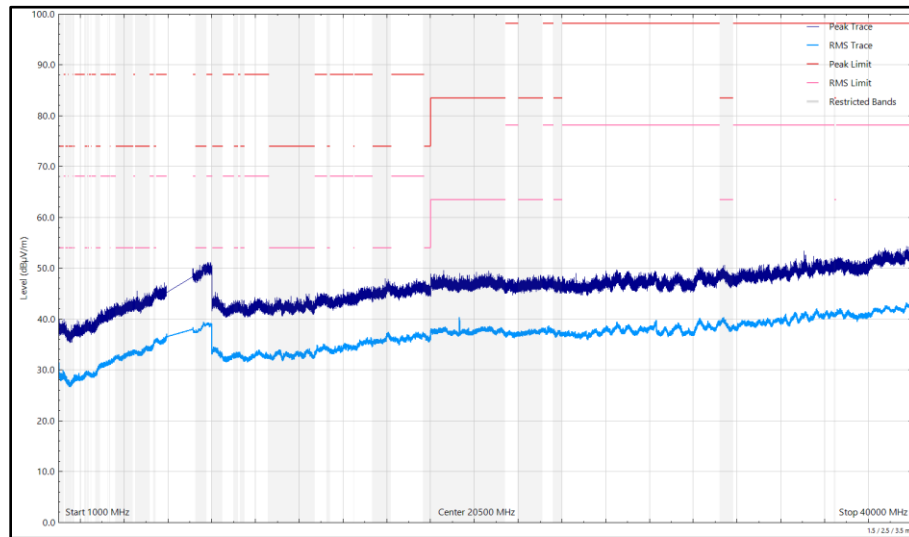


**Figure 268 - U-NII-5 - 6415 MHz (CH93), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical**

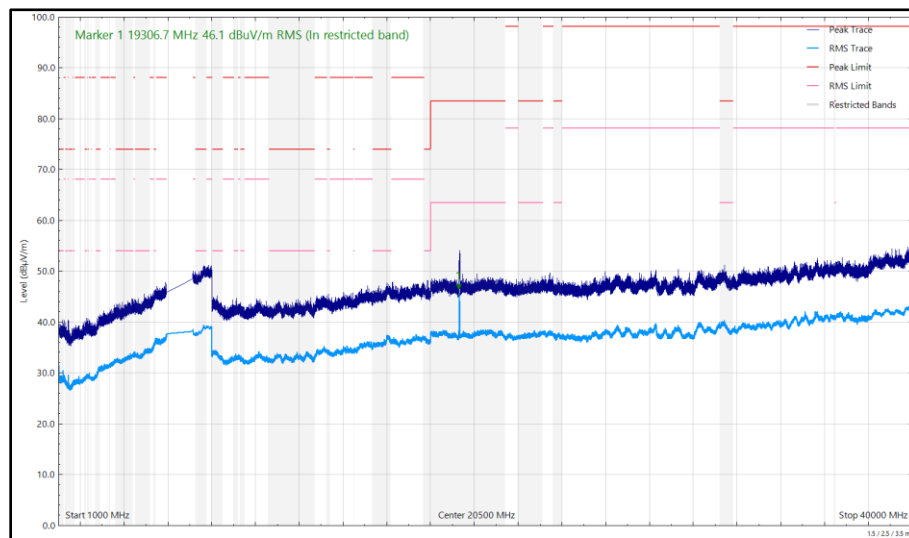
| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Detector | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------------|----------------------|-------------|----------|-----------|-------------|--------------|
| 19306.700       | 46.12                | 63.50                | -17.38      | RMS      | 149       | 100         | Vertical     |

**Table 271 - U-NII-6 - 6435 MHz (CH97), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz**

No other emissions found within 10 dB of the limit.



**Figure 269 - U-NII-6 - 6435 MHz (CH97), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal**

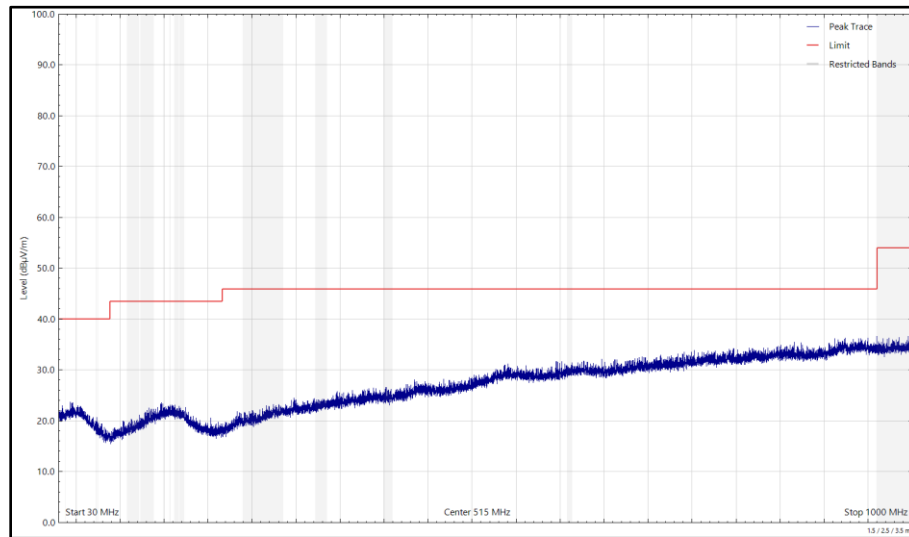


**Figure 270 - U-NII-6 - 6435 MHz (CH97), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical**

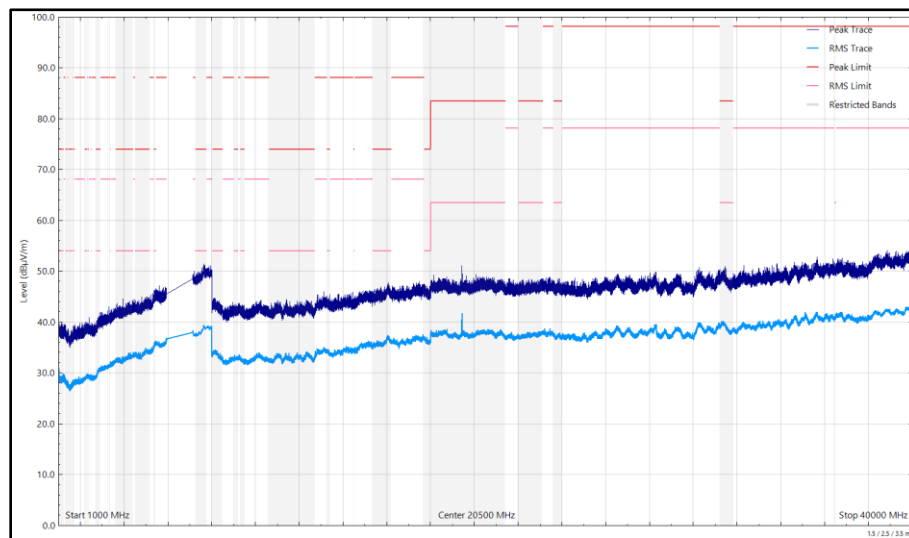
| Frequency (MHz) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------|----------------|-------------|----------|-----------|-------------|--------------|
| 19424.915       | 46.03          | 63.50          | -17.47      | RMS      | 148       | 100         | Vertical     |

**Table 272 - U-NII-6 - 6475 MHz (CH105), HE20, SU, CDD, Core 0 + Core 1, 30 MHz to 40 GHz**

No other emissions found within 10 dB of the limit.



**Figure 271 - U-NII-6 - 6475 MHz (CH105), HE20, SU, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)**



**Figure 272 - U-NII-6 - 6475 MHz (CH105), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal**

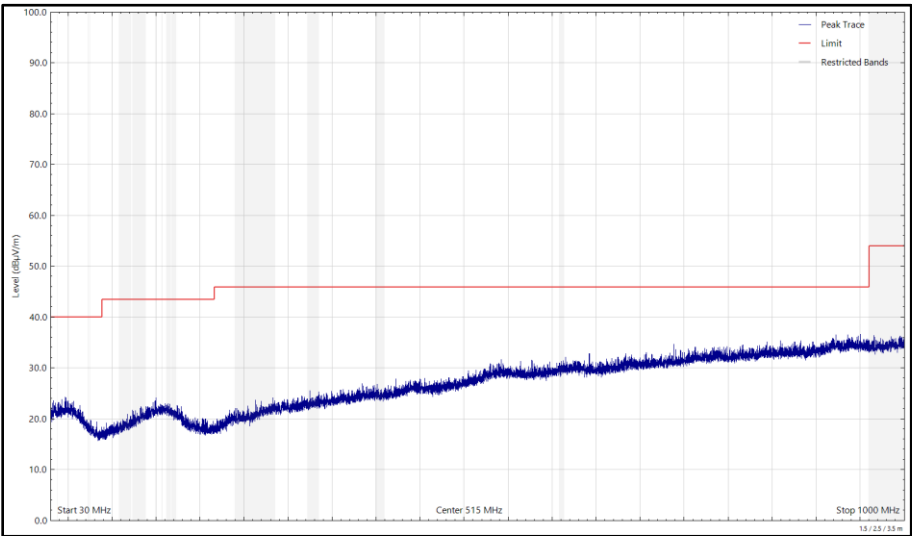


Figure 273 - U-NII-6 - 6475 MHz (CH105), HE20, SU, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

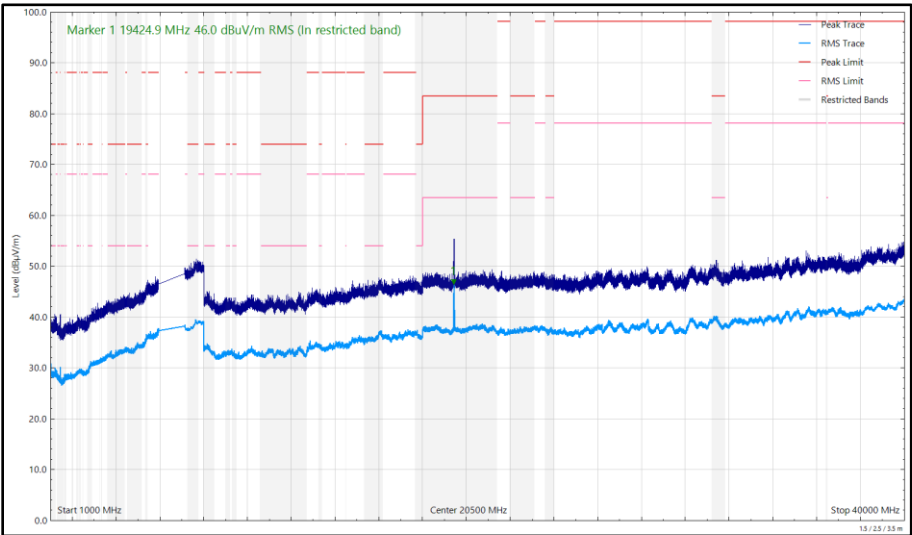
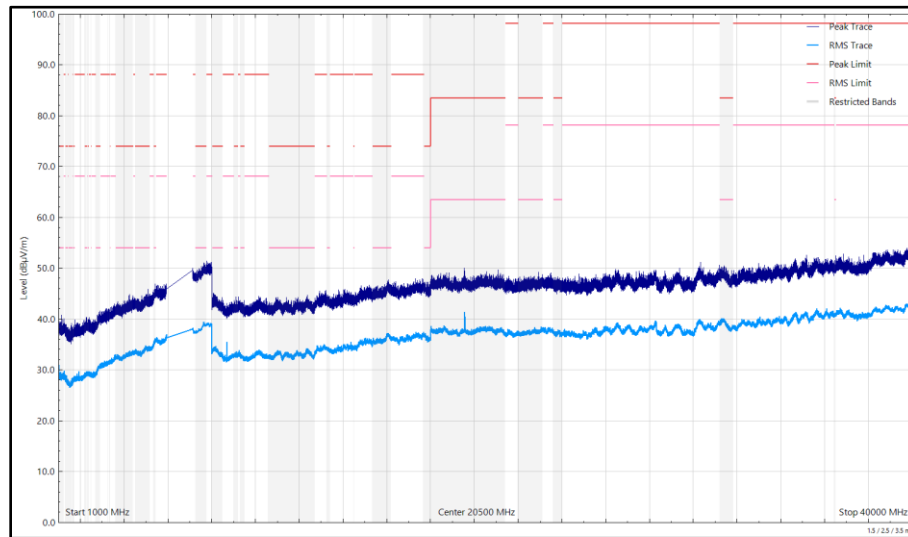


Figure 274 - U-NII-6 - 6475 MHz (CH105), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

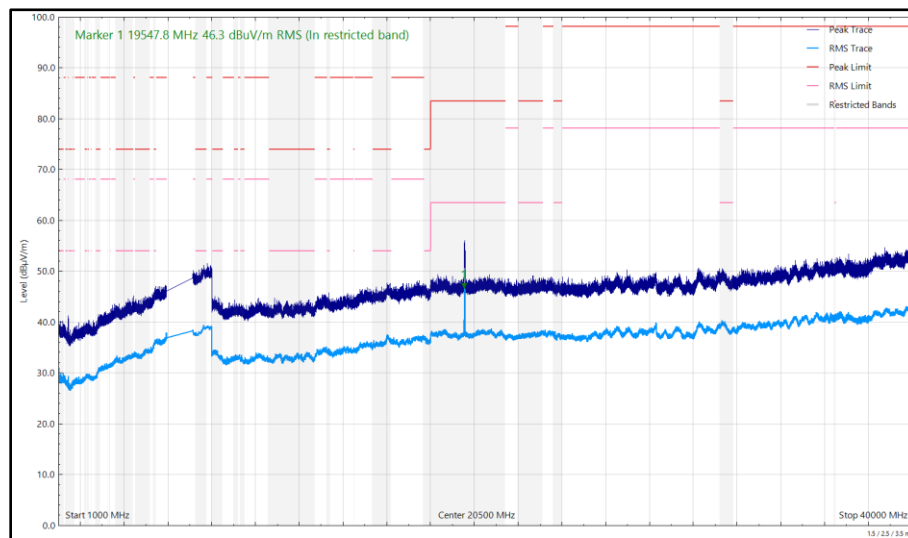
| Frequency (MHz) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------|----------------|-------------|----------|-----------|-------------|--------------|
| 19547.769       | 46.25          | 63.50          | -17.25      | RMS      | 143       | 100         | Vertical     |

**Table 273 - U-NII-6 - 6515 MHz (CH113), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz**

No other emissions found within 10 dB of the limit.



**Figure 275 - U-NII-6 - 6515 MHz (CH113), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal**

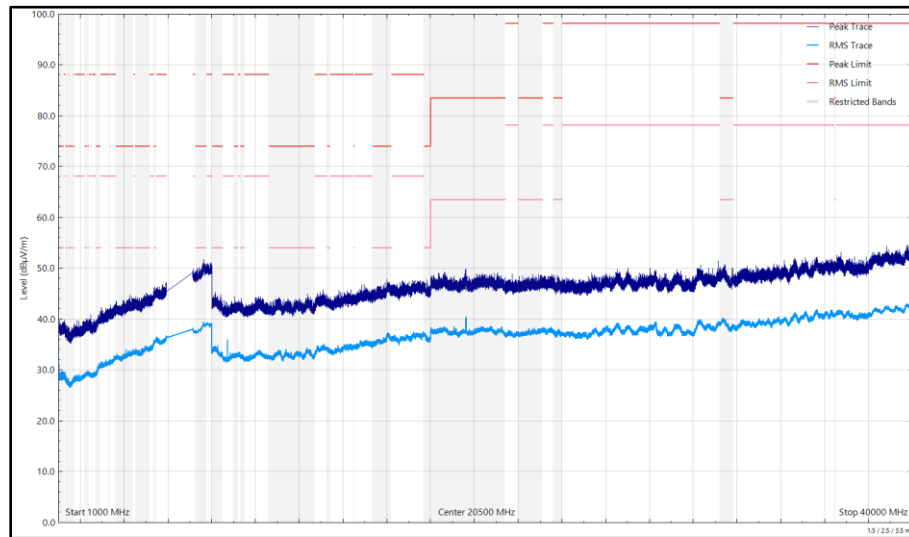


**Figure 276 - U-NII-6 - 6515 MHz (CH113), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical**

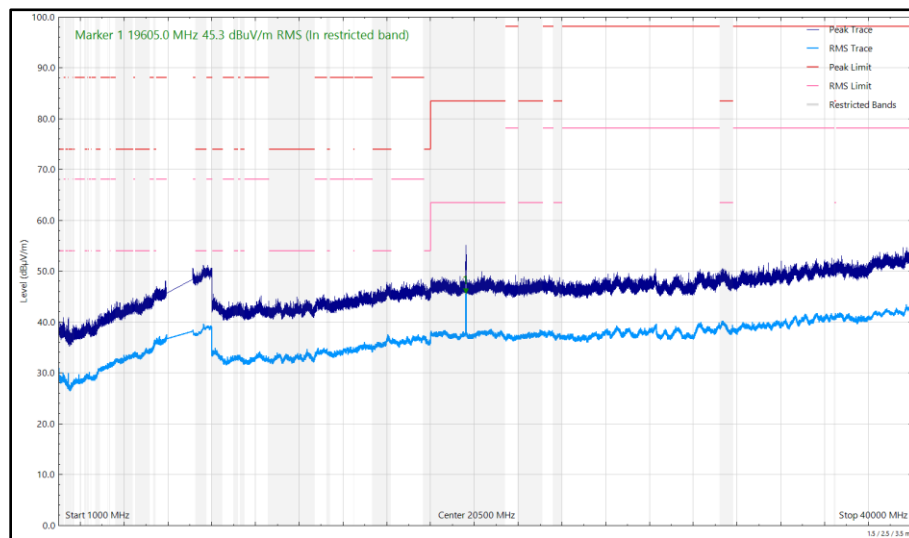
| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Detector | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------------|----------------------|-------------|----------|-----------|-------------|--------------|
| 19604.995       | 45.30                | 63.50                | -18.20      | RMS      | 143       | 100         | Vertical     |

**Table 274 - U-NII-7 - 6535 MHz (CH117), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz**

No other emissions found within 10 dB of the limit.



**Figure 277 - U-NII-7 - 6535 MHz (CH117), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal**



**Figure 278 - U-NII-7 - 6535 MHz (CH117), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical**