

Figure 61 - 5240 MHz (CH48), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 0, ePA, 1 GHz to 40 GHz, Vertical



| Frequency (MHz) | Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------|----------------|-------------|----------|-----------|-------------|--------------|
| 282.656 | 21.62 | 46.00 | -24.38 | Q-Peak | 323 | 353 | Horizontal |
| 2398.619 | 57.11 | 74.00 | -16.89 | Peak | 49 | 386 | Vertical |
| 2484.291 | 54.56 | 74.00 | -19.44 | Peak | 28 | 400 | Vertical |
| 4980.295 | 39.06 | 54.00 | -14.94 | RMS | 345 | 307 | Vertical |
| 5109.368 | 53.69 | 74.00 | -20.31 | Peak | 3 | 329 | Vertical |
| 5116.860 | 37.64 | 54.00 | -16.36 | RMS | 118 | 394 | Horizontal |
| 5119.542 | 41.98 | 54.00 | -12.02 | RMS | 7 | 350 | Vertical |
| 5355.129 | 55.67 | 74.00 | -18.33 | Peak | 353 | 315 | Vertical |
| 5355.567 | 40.78 | 54.00 | -13.22 | RMS | 11 | 100 | Vertical |
| 5384.058 | 38.44 | 54.00 | -15.56 | RMS | 106 | 389 | Horizontal |
| 5601.567 | 59.29 | 74.00 | -14.71 | Peak | 3 | 269 | Vertical |

Table 24 - 5240 MHz (CH48), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core1, ePA, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

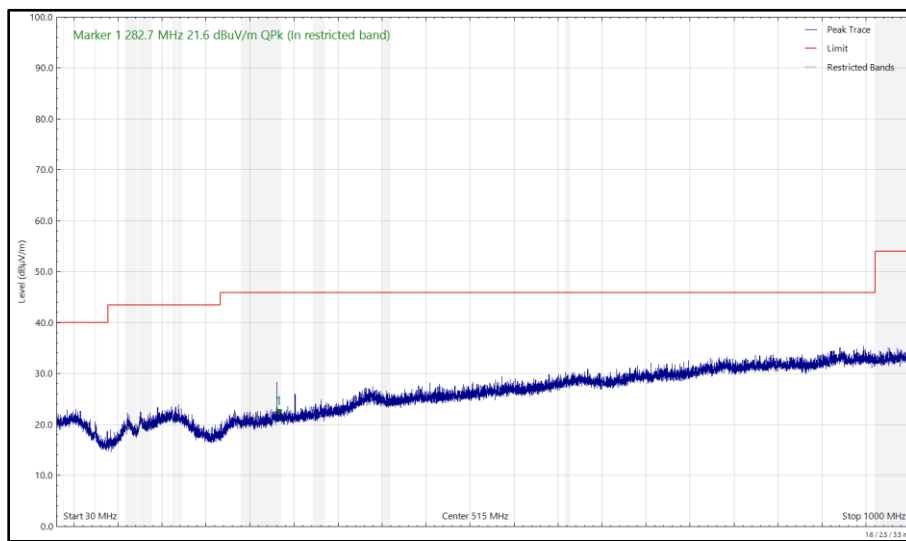


Figure 62 - 5240 MHz (CH48), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core1, ePA, 30 MHz to 1 GHz, Horizontal (Peak)

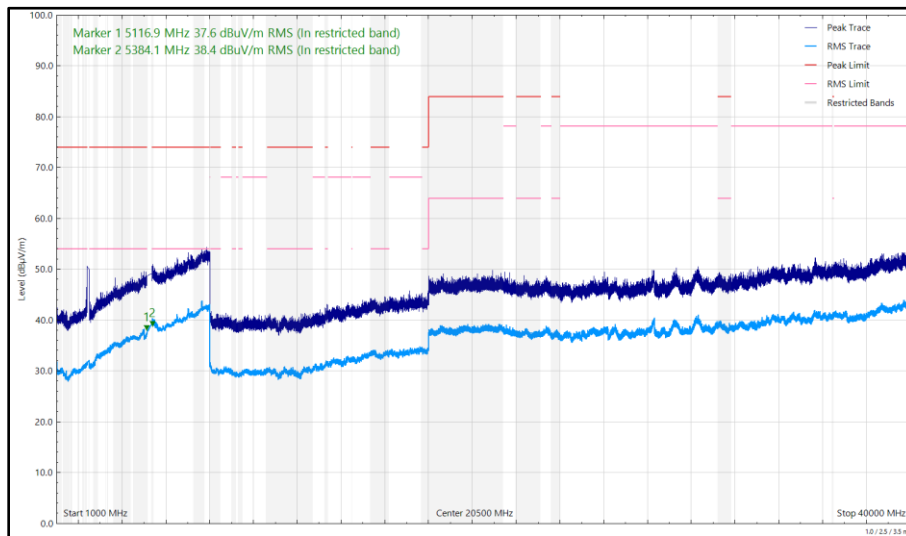


Figure 63 - 5240 MHz (CH48), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core1, ePA, 1 GHz to 40 GHz, Horizontal

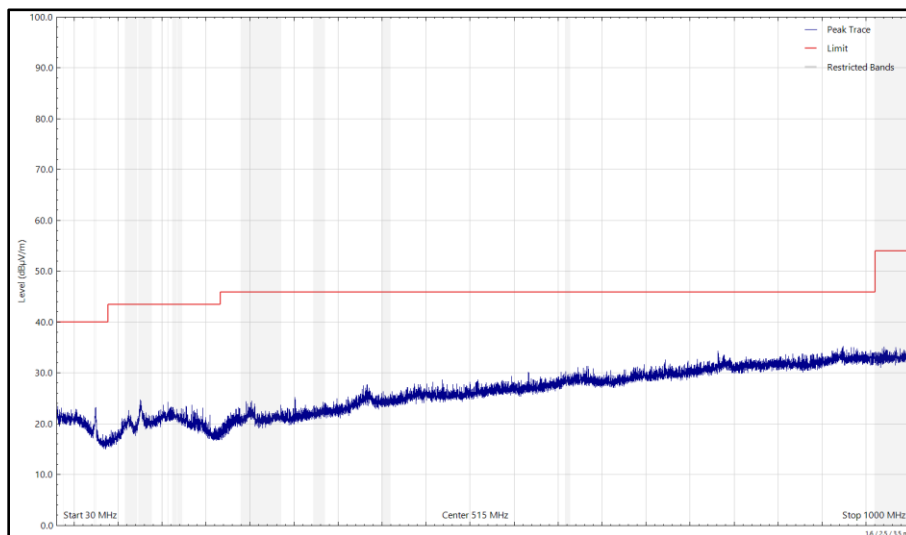


Figure 64 - 5240 MHz (CH48), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core1, ePA, 30 MHz to 1 GHz, Vertical (Peak)

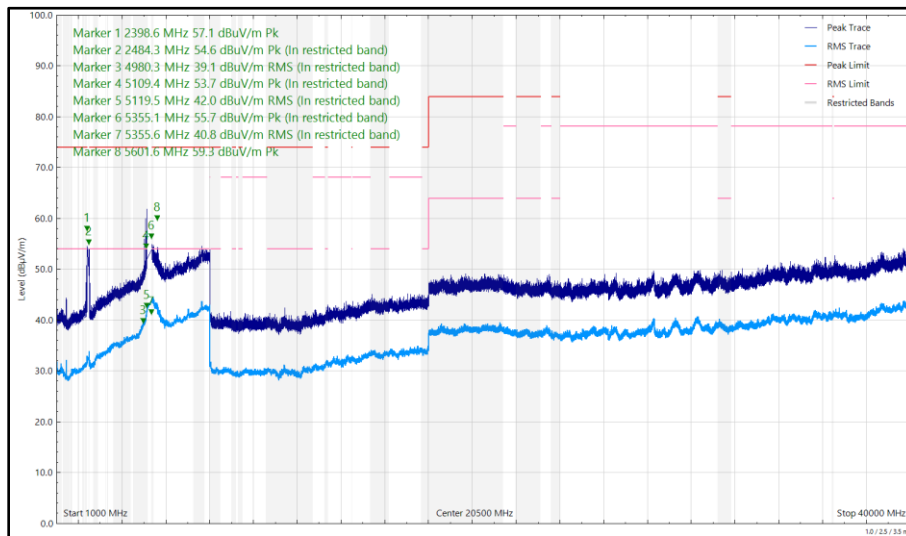


Figure 65 - 5240 MHz (CH48), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core1, ePA, 1 GHz to 40 GHz, Vertical



| Frequency (MHz) | Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------|----------------|-------------|----------|-----------|-------------|--------------|
| 282.133 | 21.74 | 46.00 | -24.26 | Q-Peak | 97 | 398 | Horizontal |
| 4880.867 | 40.82 | 54.00 | -13.18 | RMS | 30 | 357 | Vertical |
| 5110.304 | 55.64 | 74.00 | -18.36 | Peak | 3 | 304 | Vertical |
| 5116.392 | 38.11 | 54.00 | -15.89 | RMS | 125 | 347 | Horizontal |
| 5119.894 | 43.42 | 54.00 | -10.58 | RMS | 4 | 337 | Vertical |
| 5354.275 | 47.06 | 54.00 | -6.94 | RMS | 350 | 312 | Vertical |
| 5355.442 | 57.93 | 74.00 | -16.07 | Peak | 351 | 346 | Vertical |
| 5365.392 | 40.90 | 54.00 | -13.10 | RMS | 293 | 338 | Horizontal |

Table 25 - 5240 MHz (CH48), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 2, iPA, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

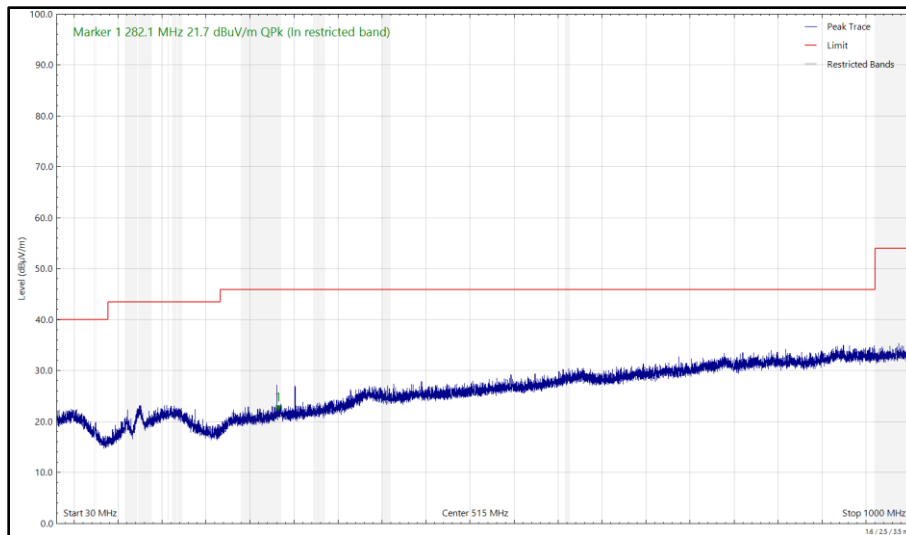


Figure 66 - 5240 MHz (CH48), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 2, iPA, 30 MHz to 1 GHz, Horizontal (Peak)

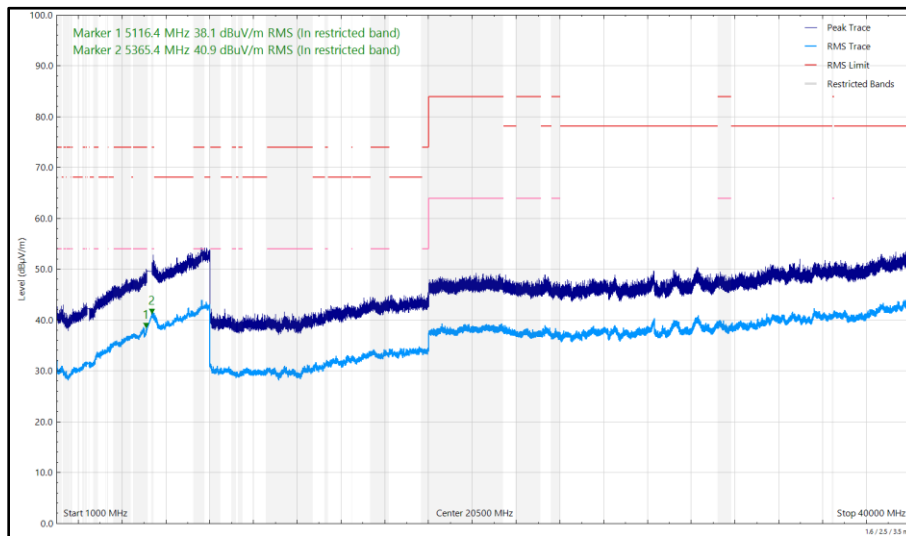


Figure 67 - 5240 MHz (CH48), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 2, iPA, 1 GHz to 40 GHz, Horizontal

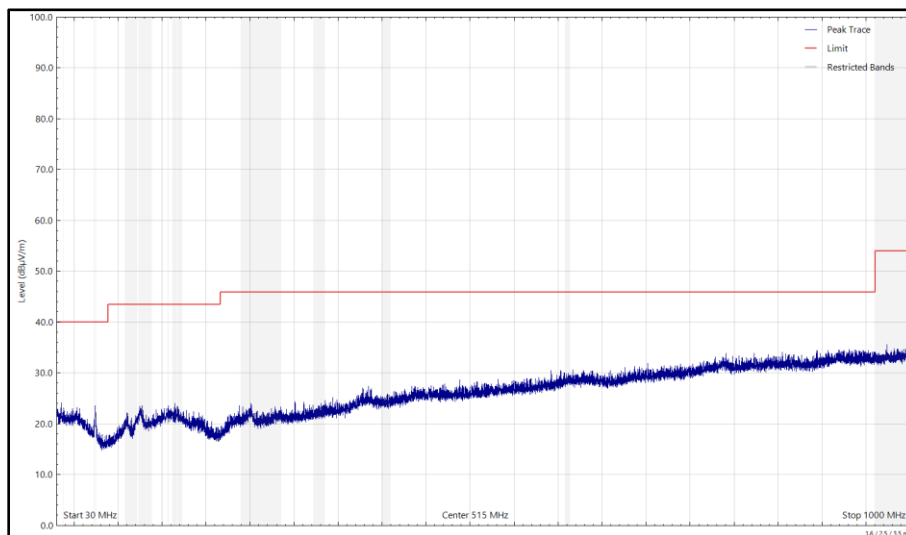


Figure 68 - 5240 MHz (CH48), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 2, iPA, 30 MHz to 1 GHz, Vertical (Peak)

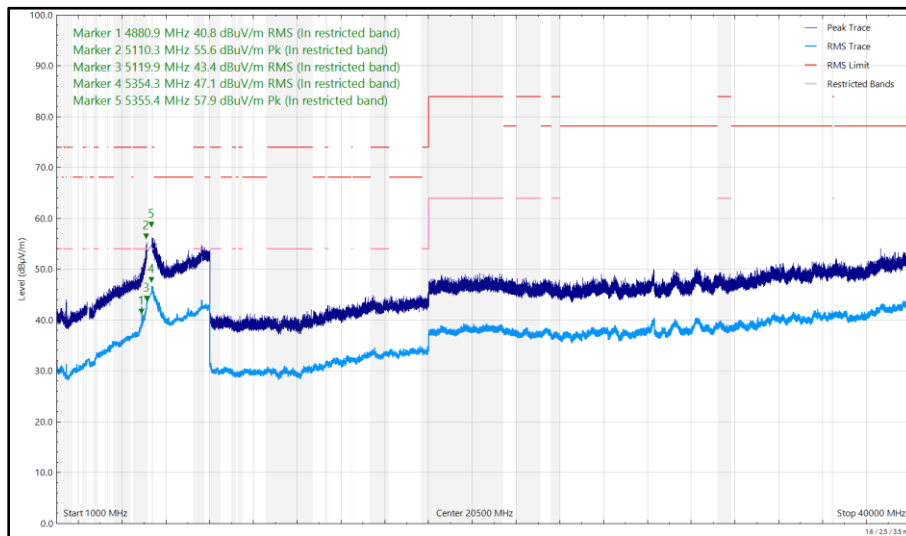


Figure 69 - 5240 MHz (CH48), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 2, iPA, 1 GHz to 40 GHz, Vertical



| Frequency (MHz) | Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------|----------------|-------------|----------|-----------|-------------|--------------|
| 1440.152 | 33.74 | 54.00 | -20.26 | RMS | 251 | 187 | Vertical |
| 2389.781 | 37.01 | 54.00 | -16.99 | RMS | 0 | 335 | Vertical |
| 2483.865 | 34.87 | 54.00 | -19.13 | RMS | 56 | 379 | Horizontal |
| 2483.890 | 38.36 | 54.00 | -15.64 | RMS | 8 | 354 | Vertical |
| 4879.043 | 45.15 | 54.00 | -8.85 | RMS | 326 | 331 | Vertical |
| 4880.873 | 37.43 | 54.00 | -16.57 | RMS | 90 | 199 | Horizontal |
| 5399.543 | 45.36 | 54.00 | -8.64 | RMS | 350 | 338 | Vertical |
| 5451.722 | 57.43 | 74.00 | -16.57 | Peak | 349 | 329 | Vertical |
| 5459.013 | 41.78 | 54.00 | -12.22 | RMS | 291 | 342 | Horizontal |

Table 26 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 0, ePA, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

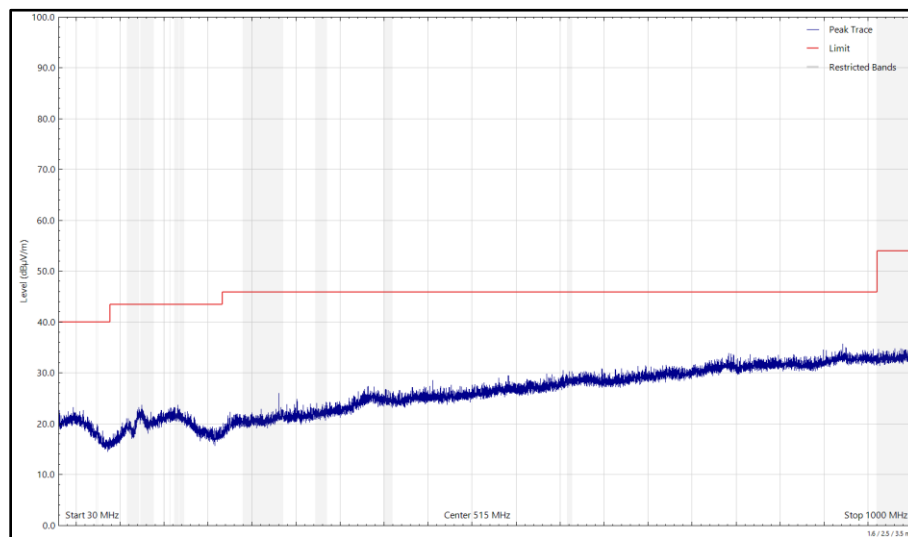


Figure 70 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 0, ePA, 30 MHz to 1 GHz, Horizontal (Peak)

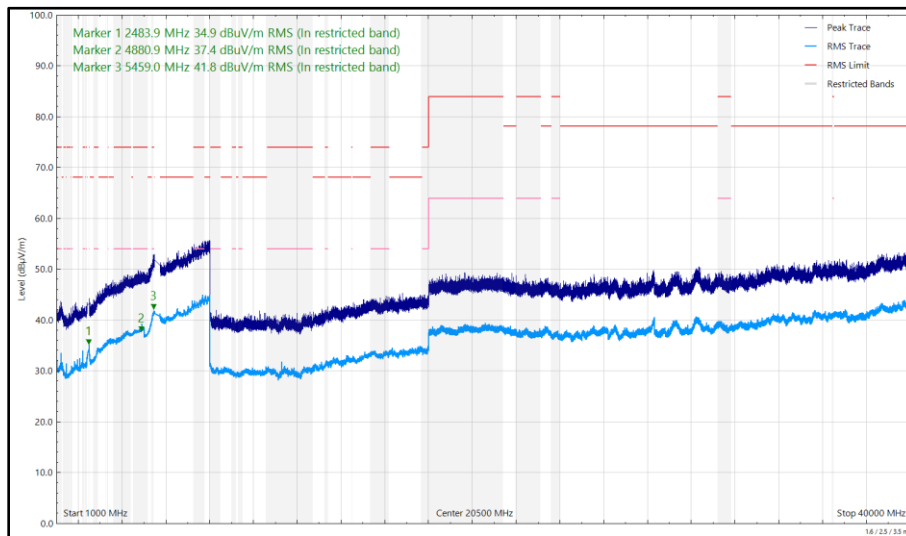


Figure 71 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 0, ePA, 1 GHz to 40 GHz, Horizontal

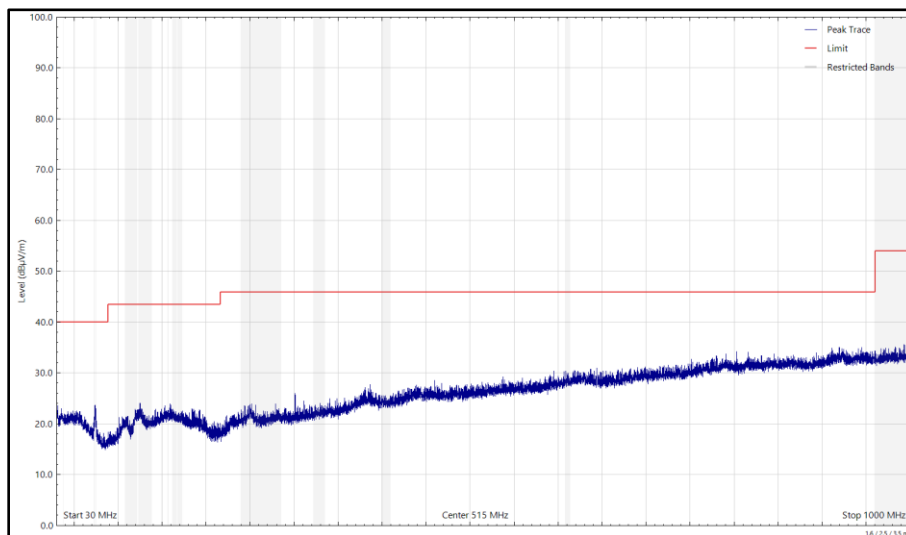


Figure 72 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 0, ePA, 30 MHz to 1 GHz, Vertical (Peak)

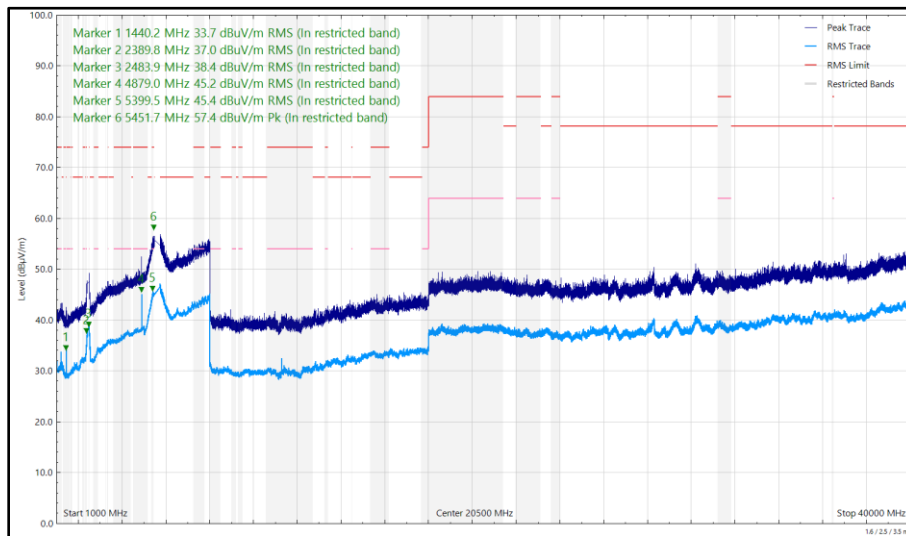


Figure 73 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 0, ePA, 1 GHz to 40 GHz, Vertical



| Frequency (MHz) | Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------|----------------|-------------|----------|-----------|-------------|--------------|
| 4879.193 | 39.99 | 54.00 | -14.01 | RMS | 27 | 399 | Vertical |
| 5449.734 | 55.68 | 74.00 | -18.32 | Peak | 360 | 249 | Vertical |
| 5455.969 | 43.25 | 54.00 | -10.75 | RMS | 0 | 241 | Vertical |
| 5461.367 | 55.55 | 74.00 | -18.45 | Peak | 358 | 261 | Vertical |
| 5786.412 | 56.24 | 74.00 | -17.76 | Peak | 11 | 268 | Vertical |

Table 27 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core1, ePA, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

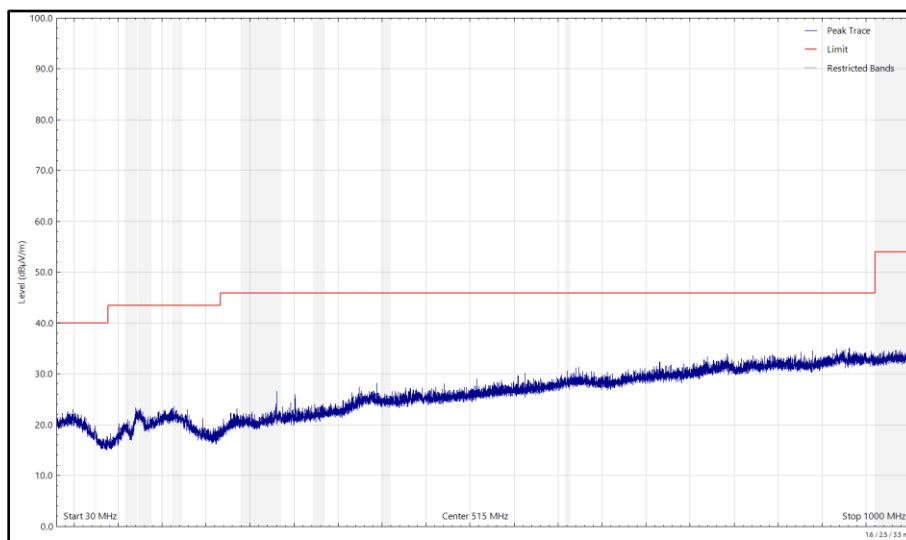


Figure 74 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core1, ePA, 30 MHz to 1 GHz, Horizontal (Peak)

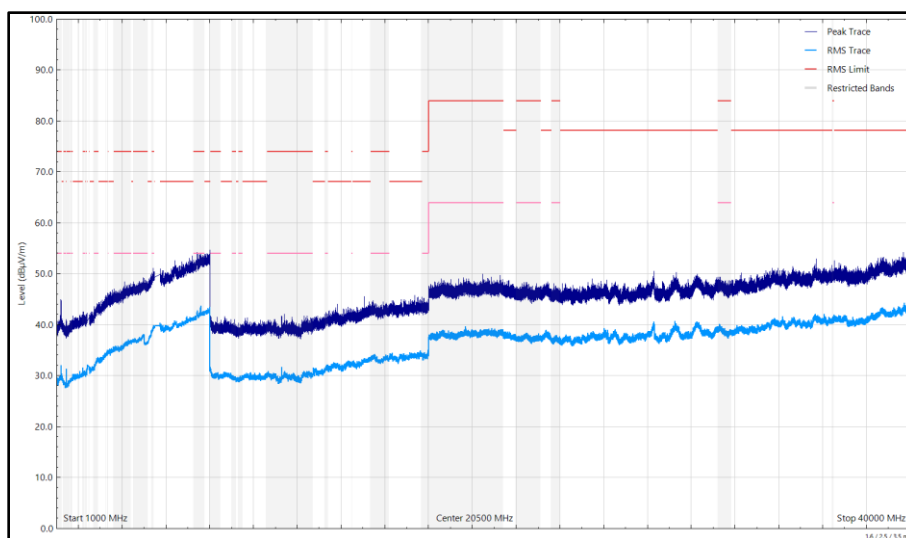


Figure 75 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core1, ePA, 1 GHz to 40 GHz, Horizontal

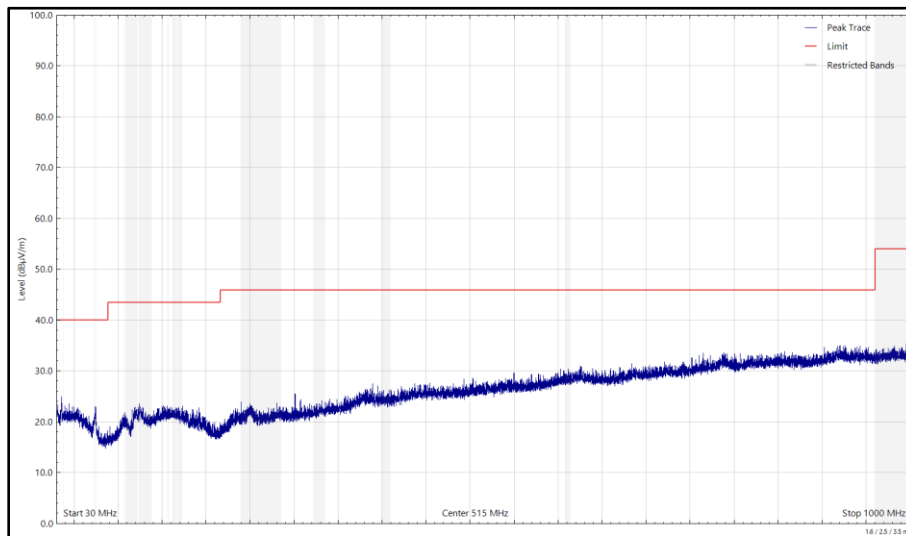


Figure 76 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core1, ePA, 30 MHz to 1 GHz, Vertical (Peak)

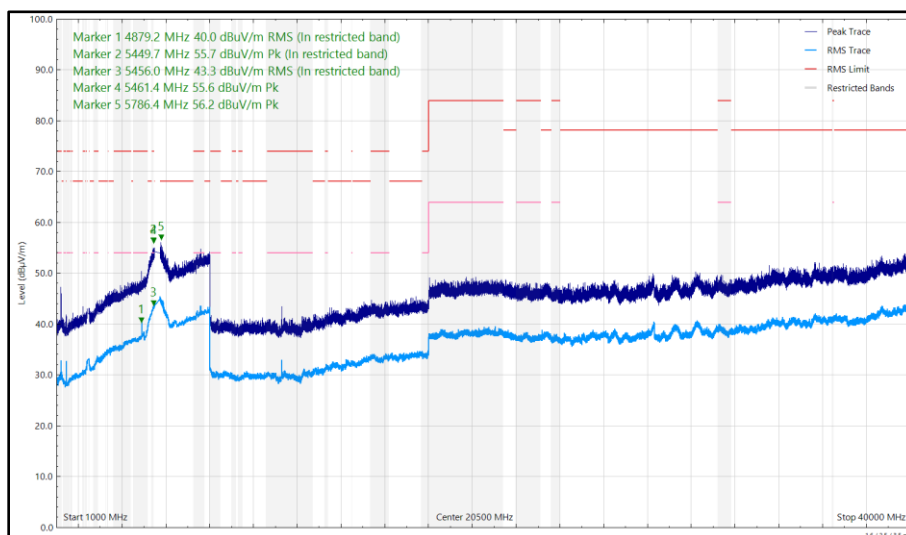


Figure 77 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core1, ePA, 1 GHz to 40 GHz, Vertical



| Frequency (MHz) | Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------|----------------|-------------|----------|-----------|-------------|--------------|
| 173.836 | 21.06 | 43.50 | -22.44 | Q-Peak | 193 | 328 | Vertical |
| 280.699 | 21.79 | 46.00 | -24.21 | Q-Peak | 71 | 343 | Horizontal |
| 982.356 | 34.98 | 54.00 | -19.02 | Q-Peak | 7 | 395 | Horizontal |
| 4880.913 | 41.01 | 54.00 | -12.99 | RMS | 32 | 260 | Vertical |
| 5442.399 | 44.45 | 54.00 | -9.55 | RMS | 353 | 373 | Vertical |
| 5448.874 | 57.65 | 74.00 | -16.35 | Peak | 349 | 330 | Vertical |
| 5453.811 | 40.68 | 54.00 | -13.32 | RMS | 290 | 359 | Horizontal |
| 5735.555 | 58.63 | 74.00 | -15.37 | Peak | 9 | 263 | Vertical |

Table 28 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 2, iPA, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

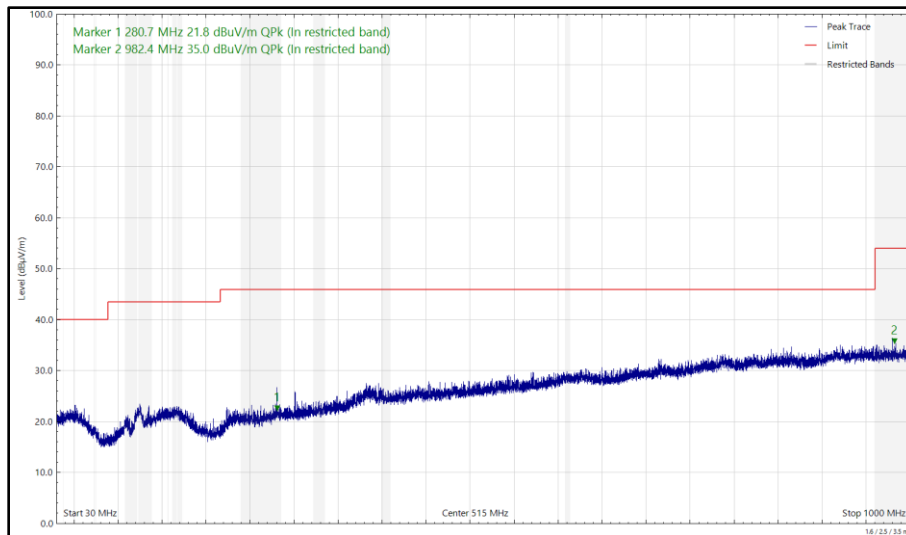


Figure 78 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 2, iPA, 30 MHz to 1 GHz, Horizontal (Peak)

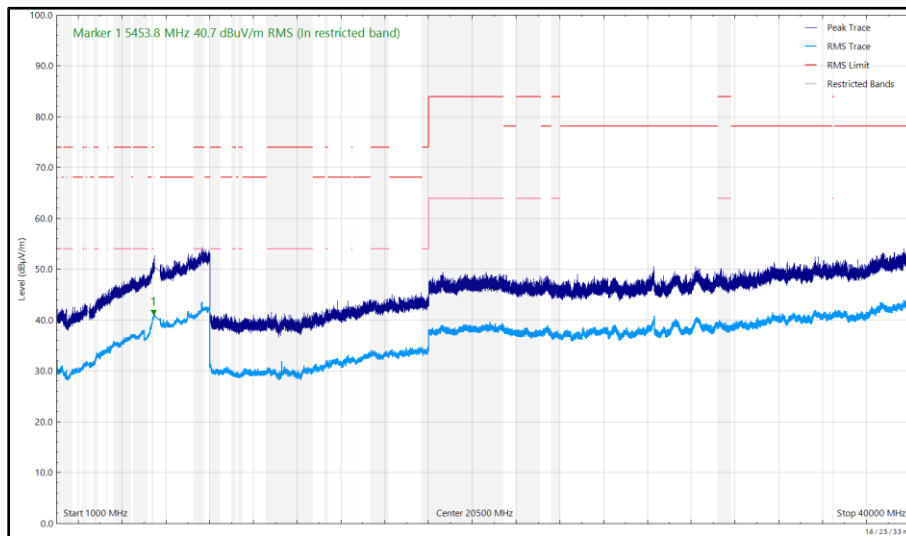


Figure 79 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 2, iPA, 1 GHz to 40 GHz, Horizontal

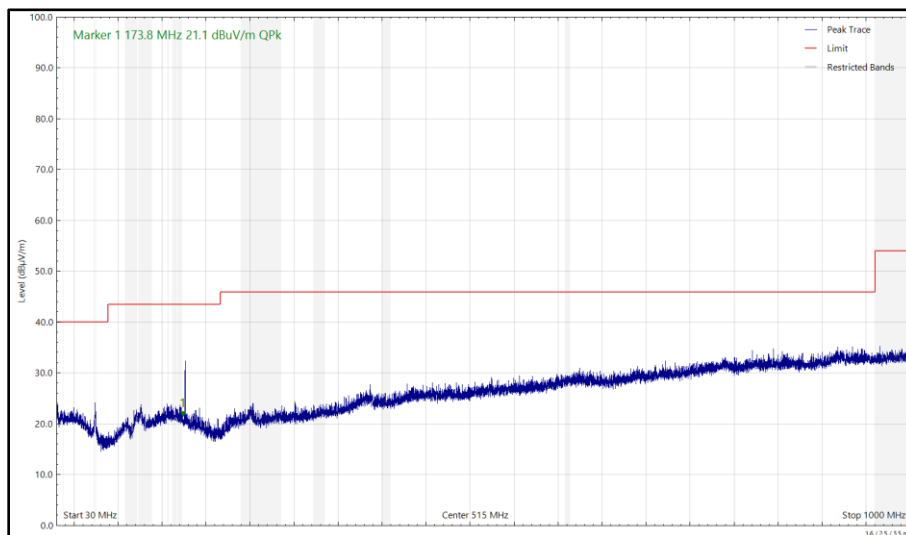


Figure 80 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 2, iPA, 30 MHz to 1 GHz, Vertical (Peak)

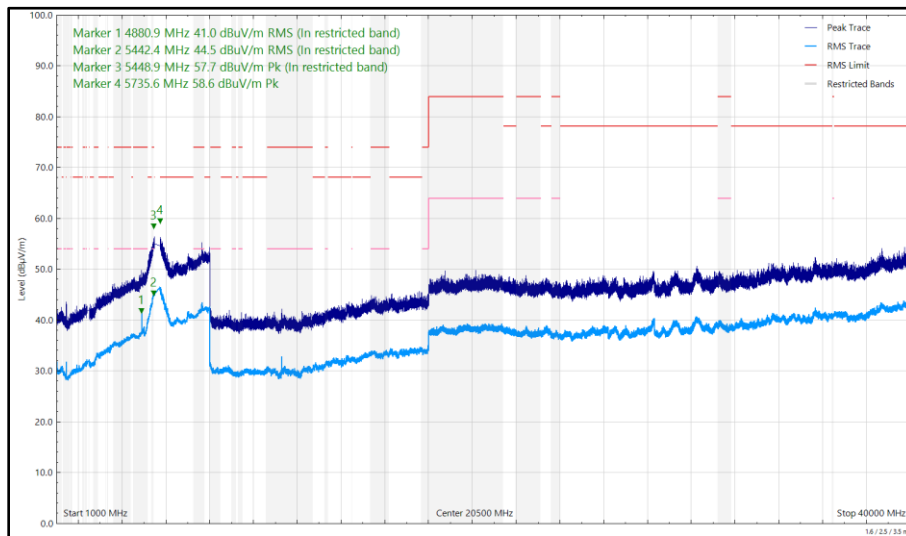


Figure 81 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 2, iPA, 1 GHz to 40 GHz, Vertical



| Frequency (MHz) | Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------|----------------|-------------|----------|-----------|-------------|--------------|
| 73.320 | 18.21 | 40.00 | -21.79 | Q-Peak | 359 | 300 | Vertical |
| 278.082 | 21.38 | 46.00 | -24.62 | Q-Peak | 287 | 400 | Horizontal |
| 1440.049 | 34.17 | 54.00 | -19.83 | RMS | 141 | 155 | Vertical |
| 2388.829 | 36.48 | 54.00 | -17.52 | RMS | 6 | 366 | Vertical |
| 2483.531 | 33.14 | 54.00 | -20.86 | RMS | 308 | 268 | Horizontal |
| 2874.619 | 33.25 | 54.00 | -20.75 | RMS | 302 | 238 | Vertical |
| 4879.093 | 45.44 | 54.00 | -8.56 | RMS | 332 | 271 | Vertical |
| 4891.795 | 37.45 | 54.00 | -16.55 | RMS | 302 | 241 | Horizontal |
| 5397.391 | 43.26 | 54.00 | -10.74 | RMS | 354 | 317 | Vertical |
| 5410.963 | 55.65 | 74.00 | -18.35 | Peak | 355 | 346 | Vertical |
| 5455.342 | 40.48 | 54.00 | -13.52 | RMS | 292 | 328 | Horizontal |
| 5724.520 | 62.54 | 74.00 | -11.46 | Peak | 7 | 253 | Vertical |
| 5852.307 | 61.35 | 74.00 | -12.65 | Peak | 353 | 253 | Vertical |

Table 29 - 5785 MHz (CH157), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 0, ePA, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

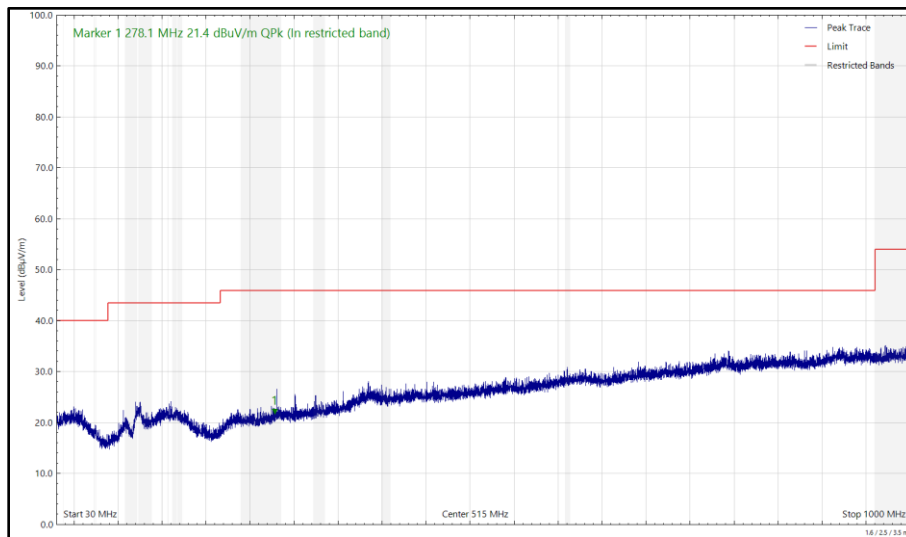


Figure 82 - 5785 MHz (CH157), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 0, ePA, 30 MHz to 1 GHz, Horizontal (Peak)

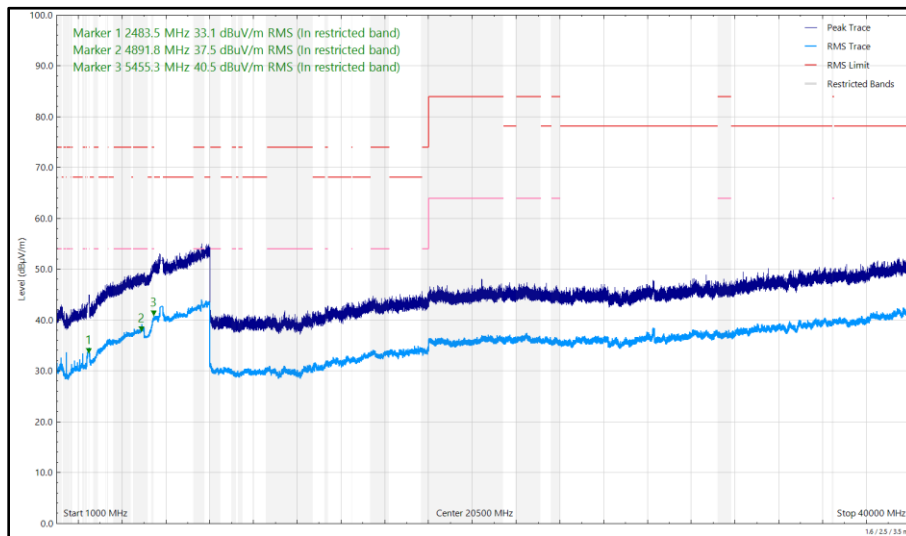


Figure 83 - 5785 MHz (CH157), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 0, ePA, 1 GHz to 40 GHz, Horizontal

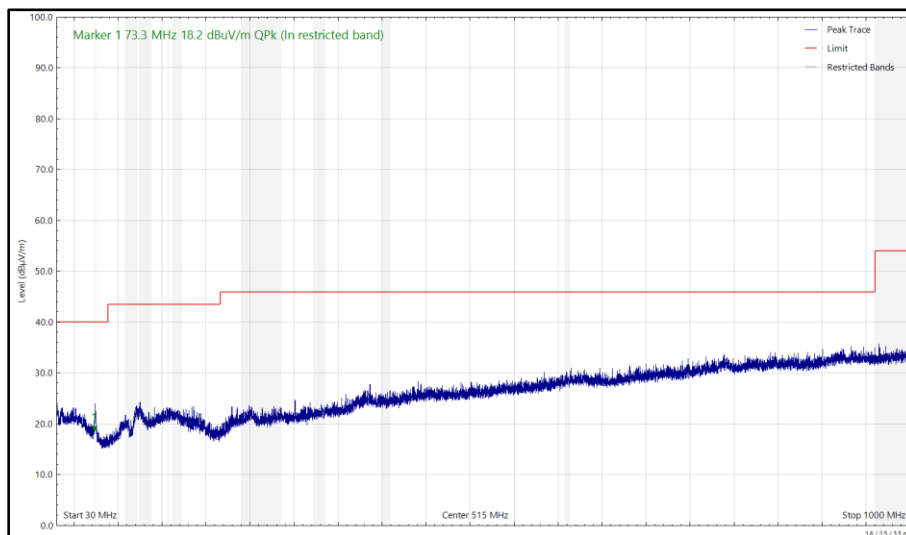


Figure 84 - 5785 MHz (CH157), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 0, ePA, 30 MHz to 1 GHz, Vertical (Peak)

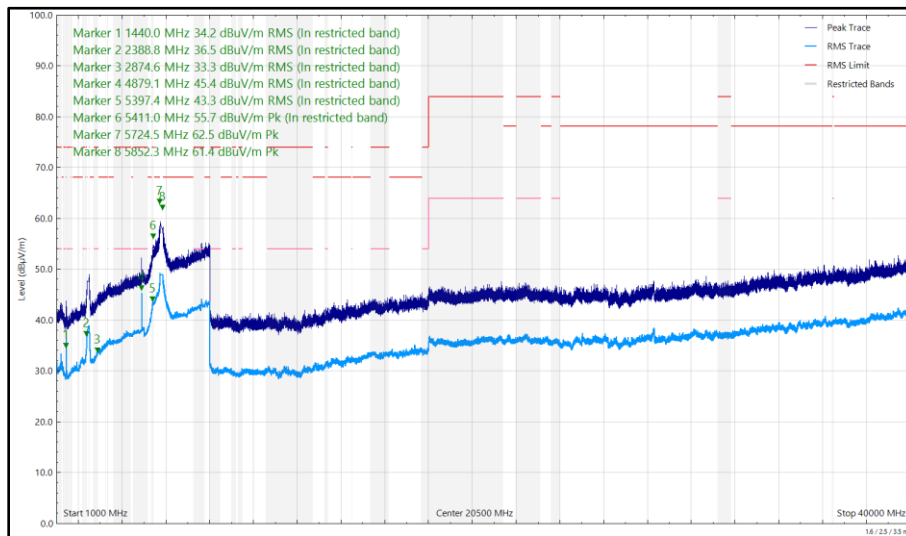


Figure 85 - 5785 MHz (CH157), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 0, ePA, 1 GHz to 40 GHz, Vertical



| Frequency (MHz) | Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------|----------------|-------------|----------|-----------|-------------|--------------|
| 281.086 | 21.52 | 46.00 | -24.48 | Q-Peak | 176 | 390 | Horizontal |
| 1440.083 | 34.18 | 54.00 | -19.82 | RMS | 247 | 300 | Vertical |
| 5383.096 | 55.73 | 74.00 | -18.27 | Peak | 347 | 319 | Vertical |
| 5411.350 | 44.11 | 54.00 | -9.89 | RMS | 348 | 318 | Vertical |
| 5437.923 | 40.01 | 54.00 | -13.99 | RMS | 252 | 390 | Horizontal |
| 5724.312 | 60.56 | 74.00 | -13.44 | Peak | 14 | 267 | Vertical |
| 5858.912 | 59.75 | 74.00 | -14.25 | Peak | 6 | 273 | Vertical |

Table 30 - 5785 MHz (CH157), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 1, ePA, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

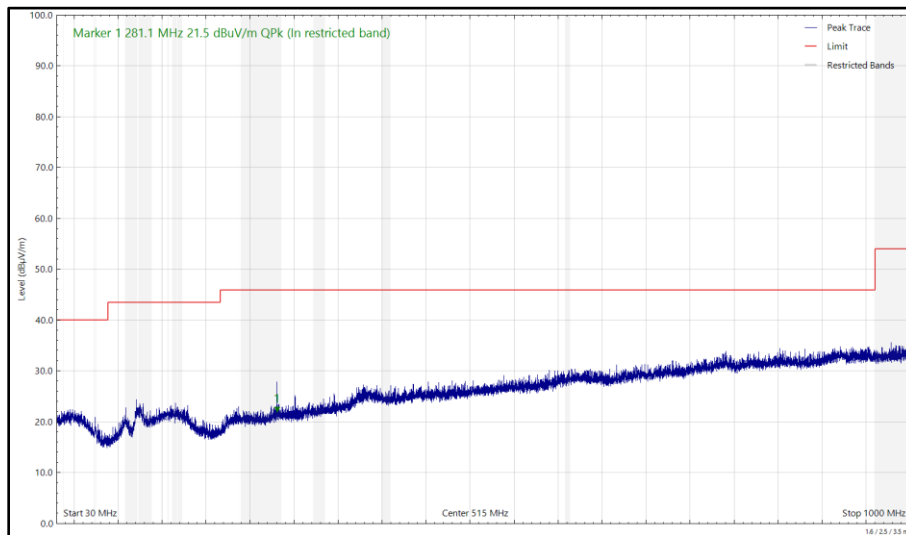


Figure 86 - 5785 MHz (CH157), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 1, ePA, 30 MHz to 1 GHz, Horizontal (Peak)

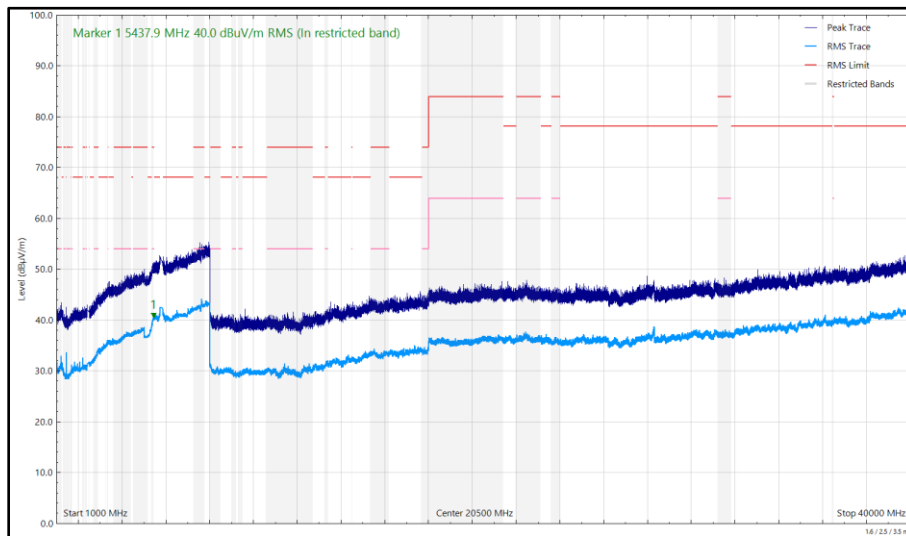


Figure 87 - 5785 MHz (CH157), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 1, ePA, 1 GHz to 40 GHz, Horizontal

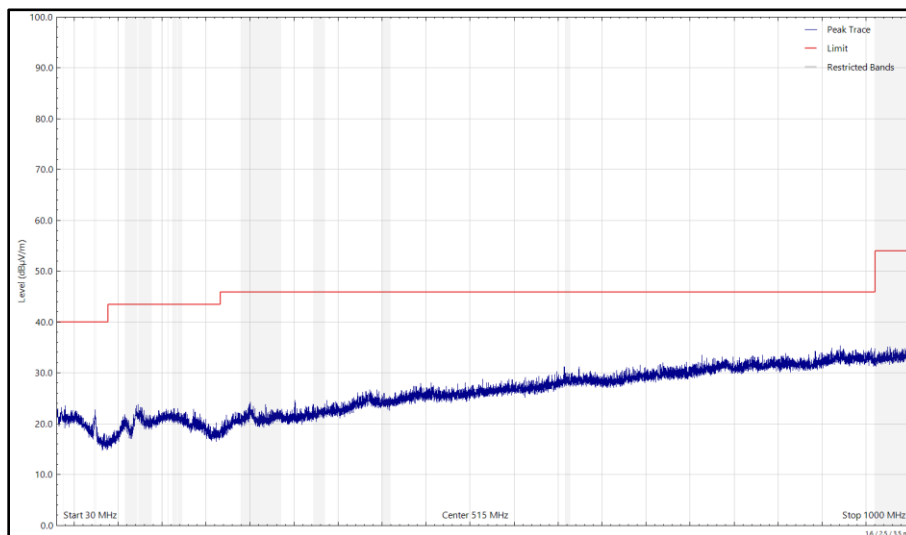


Figure 88 - 5785 MHz (CH157), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 1, ePA, 30 MHz to 1 GHz, Vertical (Peak)

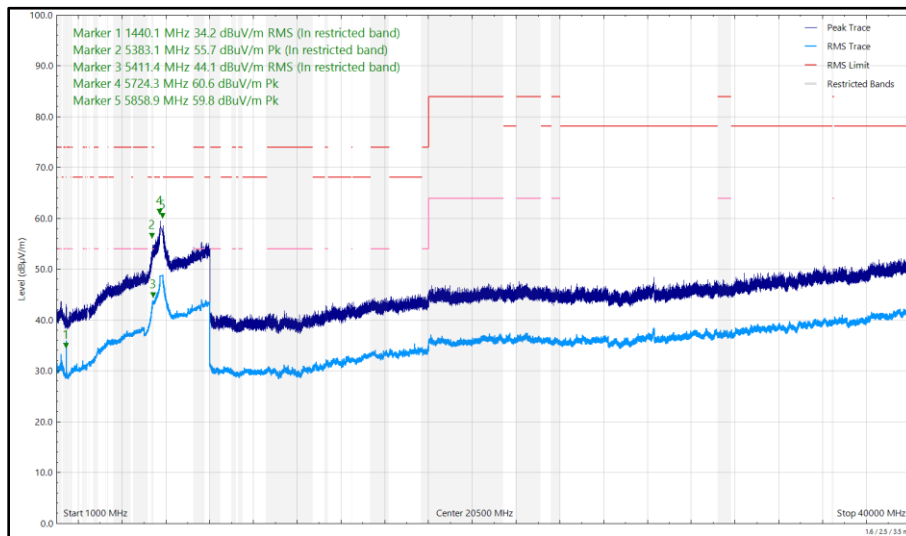


Figure 89 - 5785 MHz (CH157), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 1, ePA, 1 GHz to 40 GHz, Vertical



| Frequency (MHz) | Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------|----------------|-------------|----------|-----------|-------------|--------------|
| 282.667 | 21.82 | 46.00 | -24.18 | Q-Peak | 100 | 357 | Horizontal |
| 4880.788 | 42.68 | 54.00 | -11.32 | RMS | 0 | 315 | Vertical |
| 5428.304 | 39.70 | 54.00 | -14.30 | RMS | 293 | 332 | Horizontal |
| 5430.340 | 54.52 | 74.00 | -19.48 | Peak | 354 | 339 | Vertical |
| 5438.545 | 42.87 | 54.00 | -11.13 | RMS | 352 | 246 | Vertical |
| 5724.082 | 59.82 | 74.00 | -14.18 | Peak | 11 | 273 | Vertical |
| 5850.008 | 61.20 | 74.00 | -12.80 | Peak | 2 | 264 | Vertical |

Table 31 - 5785 MHz (CH157), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 2, iPA, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

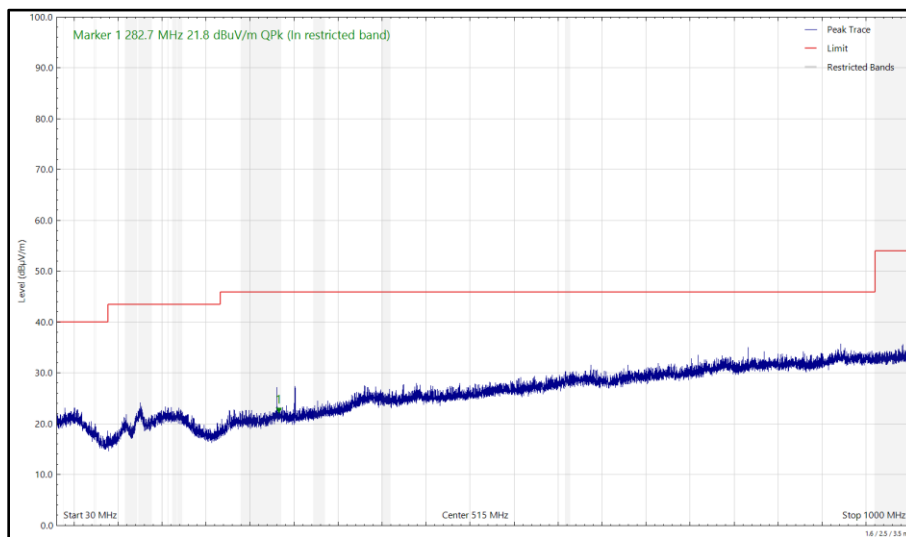


Figure 90 - 5785 MHz (CH157), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 2, iPA, 30 MHz to 1 GHz, Horizontal (Peak)

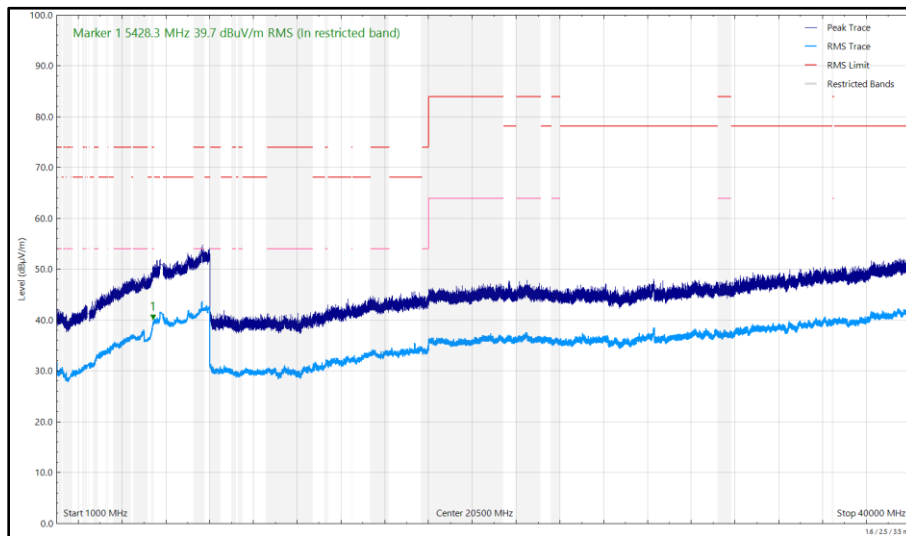


Figure 91 - 5785 MHz (CH157), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 2, iPA, 1 GHz to 40 GHz, Horizontal

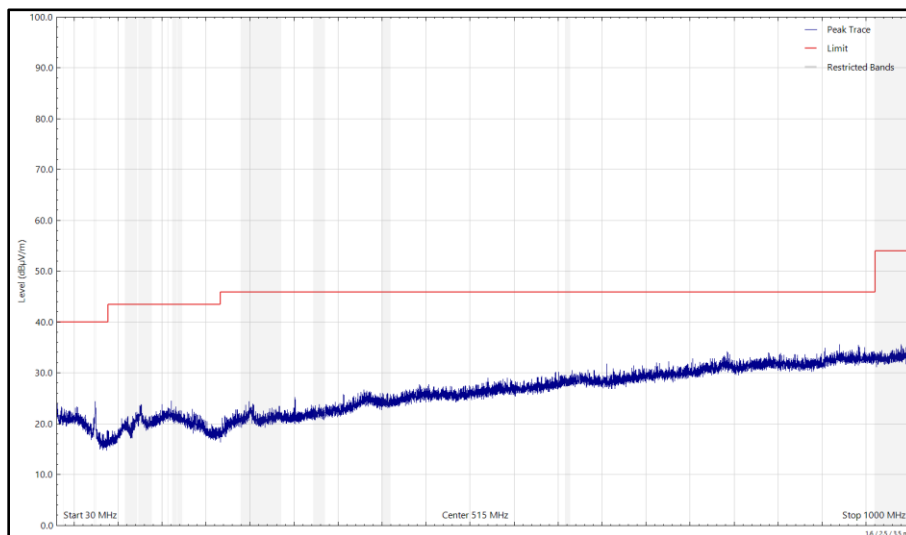


Figure 92 - 5785 MHz (CH157), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 2, iPA, 30 MHz to 1 GHz, Vertical (Peak)

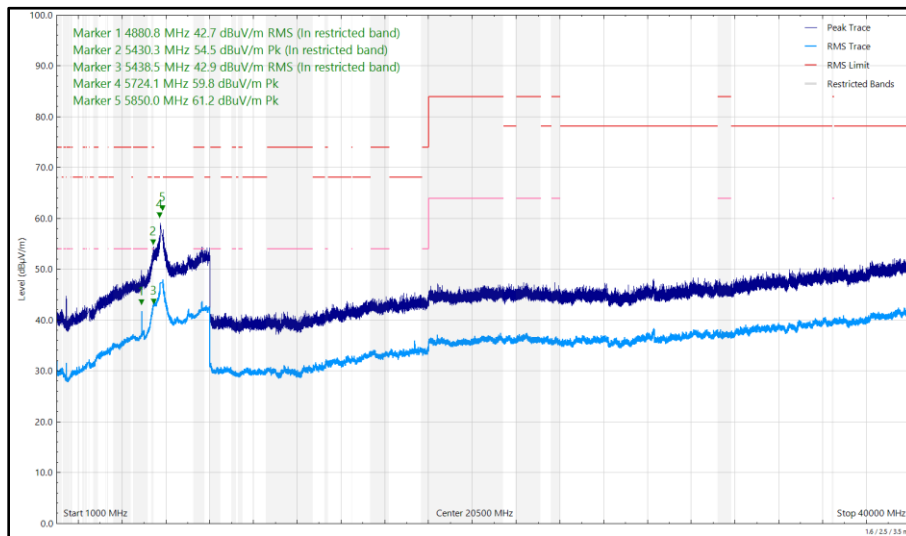


Figure 93 - 5785 MHz (CH157), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 2, iPA, 1 GHz to 40 GHz, Vertical

FCC 47 CFR Part 15

The least stringent limit from the applicable rule parts was used to determine compliance for Radiated Emissions testing of multiple transmission sources.

The least stringent applicable limit was:

| Clause | Limit |
|-----------------|---|
| Part 15 247 (d) | -20 dBc |
| Part 15.407 (b) | -27 dBm e.i.r.p |
| Part 15.407 (b) | Peak: -7 dBm/MHz e.i.r.p, Average: -27 dBm/MHz e.i.r.p. |
| Part 15.209 | Peak: 74 dBuV/m at 3m, Average 54 dBuV/m at 3m (Restricted bands > 1 GHz) |

Table 32



6 GHz WLAN and Thread

| Frequency (MHz) | Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------|----------------|-------------|----------|-----------|-------------|--------------|
| 189.732 | 18.25 | 43.50 | -25.25 | Q-Peak | 0 | 390 | Vertical |
| 2483.535 | 33.57 | 54.00 | -20.43 | RMS | 359 | 386 | Vertical |
| 4368.264 | 34.53 | 54.00 | -19.47 | RMS | 349 | 371 | Horizontal |
| 4878.928 | 35.30 | 54.00 | -18.70 | RMS | 47 | 265 | Vertical |
| 4975.791 | 35.53 | 54.00 | -18.47 | RMS | 91 | 321 | Horizontal |
| 5126.848 | 34.75 | 54.00 | -19.25 | RMS | 349 | 327 | Vertical |
| 5428.411 | 35.53 | 54.00 | -18.47 | RMS | 252 | 329 | Horizontal |
| 5454.137 | 38.69 | 54.00 | -15.31 | RMS | 6 | 342 | Vertical |
| 7318.590 | 43.61 | 54.00 | -10.39 | RMS | 318 | 227 | Vertical |
| 7318.693 | 42.83 | 54.00 | -11.17 | RMS | 75 | 387 | Horizontal |
| 8233.320 | 38.47 | 54.00 | -15.53 | RMS | 59 | 259 | Vertical |
| 8233.330 | 36.84 | 54.00 | -17.16 | RMS | 82 | 378 | Horizontal |

Table 33 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core0, ePA, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

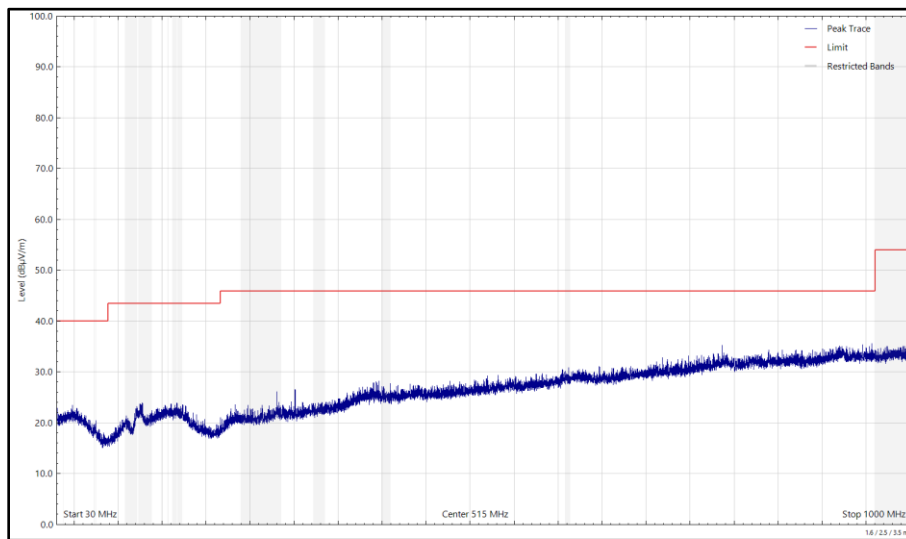


Figure 94 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core0, ePA, 30 MHz to 1 GHz, Horizontal (Peak)

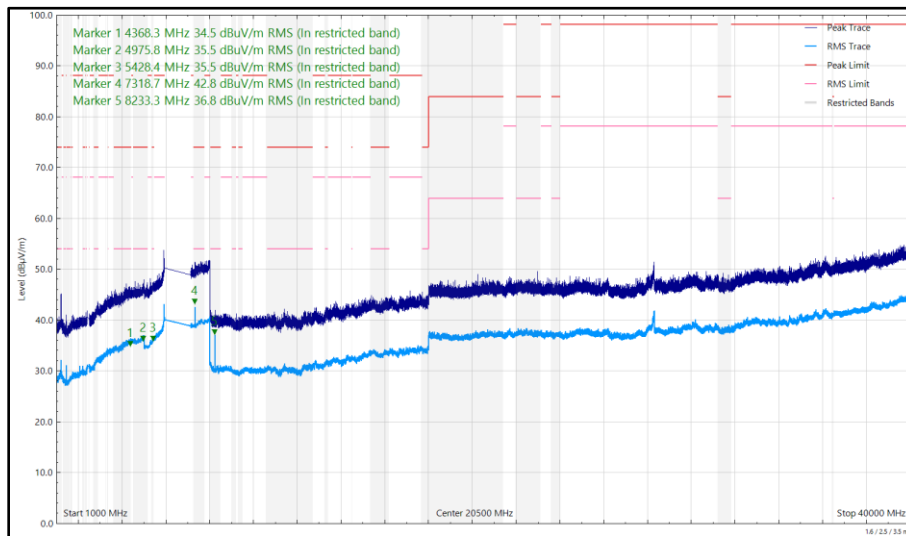


Figure 95 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core0, ePA, 1 GHz to 40 GHz, Horizontal

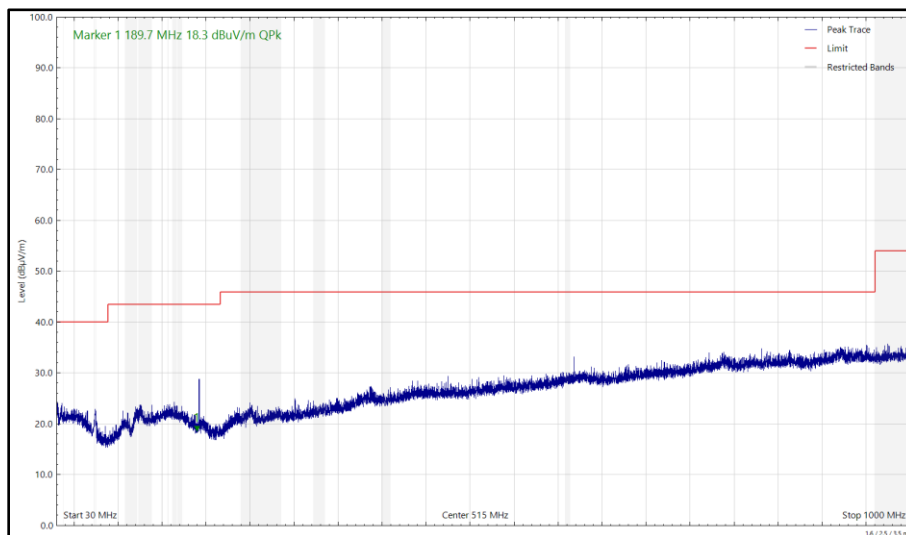


Figure 96 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core0, ePA, 30 MHz to 1 GHz, Vertical (Peak)

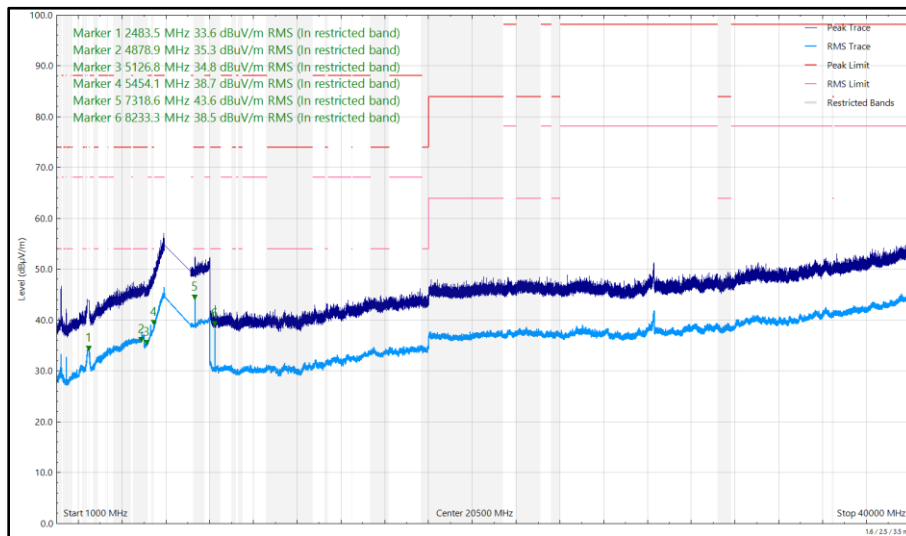


Figure 97 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core0, ePA, 1 GHz to 40 GHz, Vertical



| Frequency (MHz) | Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------|----------------|-------------|----------|-----------|-------------|--------------|
| 73.899 | 20.86 | 40.00 | -19.14 | Q-Peak | 110 | 105 | Vertical |
| 280.016 | 24.04 | 46.00 | -21.96 | Q-Peak | 92 | 105 | Horizontal |
| 1205.895 | 34.07 | 54.00 | -19.93 | RMS | 242 | 176 | Vertical |
| 1440.032 | 36.02 | 54.00 | -17.98 | RMS | 254 | 233 | Vertical |
| 5439.586 | 36.77 | 54.00 | -17.23 | RMS | 226 | 339 | Horizontal |
| 5453.335 | 39.67 | 54.00 | -14.33 | RMS | 356 | 326 | Vertical |
| 8233.305 | 34.18 | 54.00 | -19.82 | RMS | 85 | 399 | Horizontal |
| 8233.340 | 37.86 | 54.00 | -16.14 | RMS | 34 | 231 | Vertical |

Table 34 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core1, ePA, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

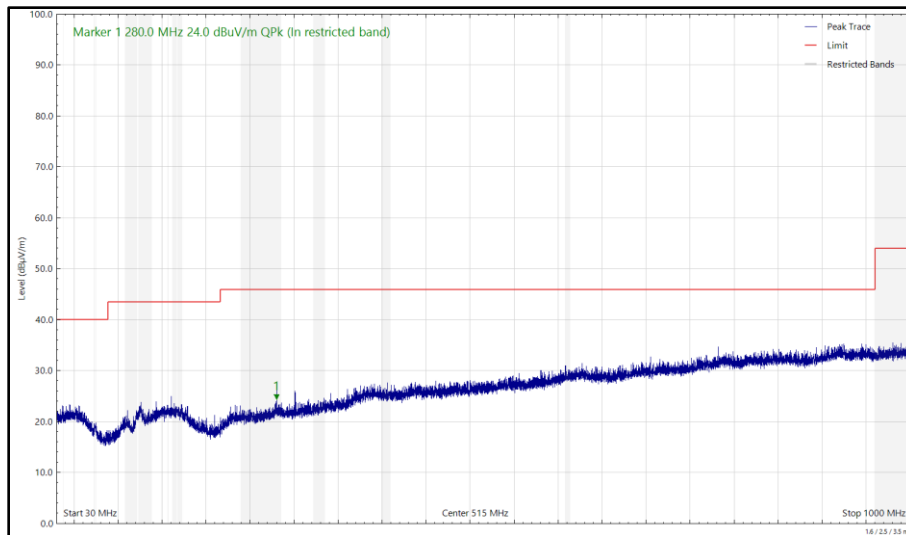


Figure 98 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core1, ePA, 30 MHz to 1 GHz, Horizontal (Peak)

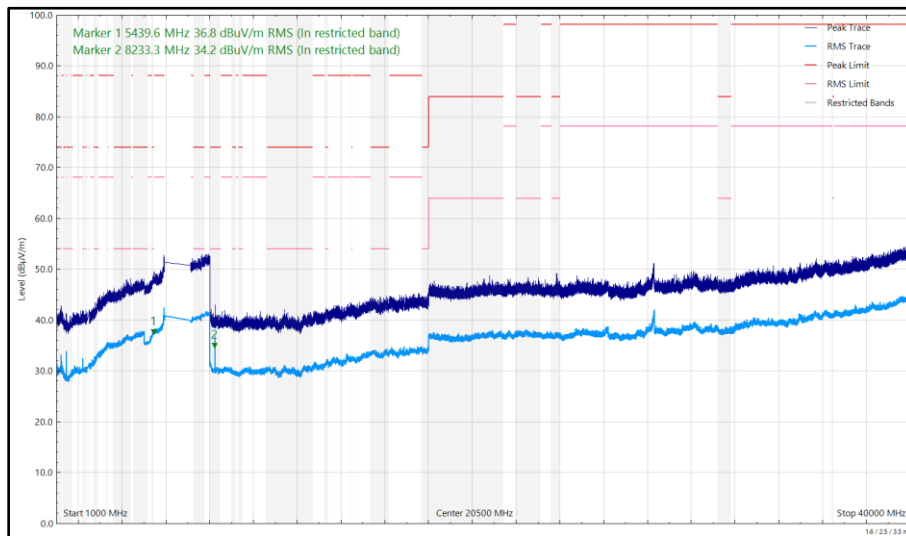


Figure 99 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core1, ePA, 1 GHz to 40 GHz, Horizontal

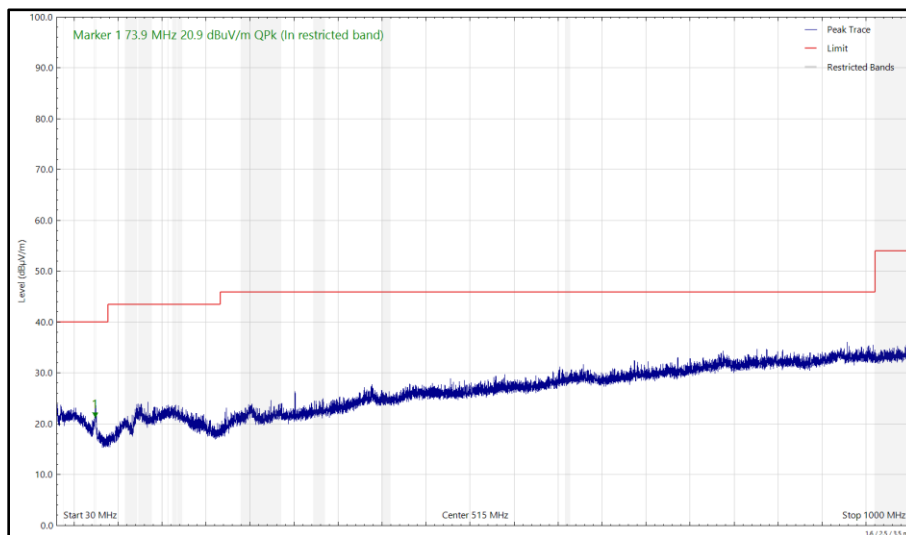


Figure 100 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core1, ePA, 30 MHz to 1 GHz, Vertical (Peak)

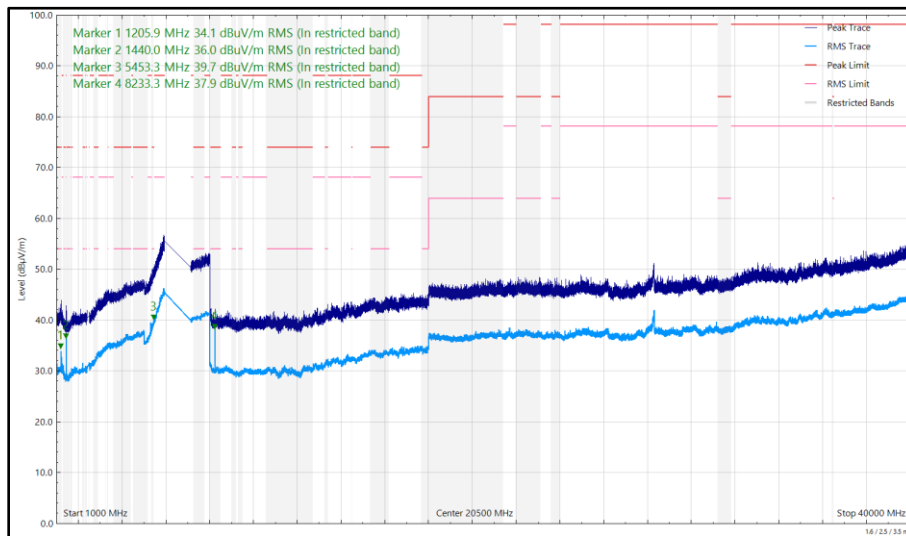


Figure 101 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core1, ePA, 1 GHz to 40 GHz, Vertical



| Frequency (MHz) | Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------|----------------|-------------|----------|-----------|-------------|--------------|
| 283.541 | 21.75 | 46.00 | -24.25 | Q-Peak | 348 | 400 | Horizontal |
| 4880.833 | 36.58 | 54.00 | -17.42 | RMS | 352 | 204 | Vertical |
| 5453.276 | 35.77 | 54.00 | -18.23 | RMS | 314 | 373 | Horizontal |
| 5458.001 | 39.06 | 54.00 | -14.94 | RMS | 351 | 308 | Vertical |
| 7318.853 | 39.80 | 54.00 | -14.20 | RMS | 20 | 249 | Vertical |
| 8233.300 | 38.15 | 54.00 | -15.85 | RMS | 70 | 100 | Vertical |
| 8233.315 | 36.64 | 54.00 | -17.36 | RMS | 83 | 392 | Horizontal |

Table 35 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 2, iPA, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

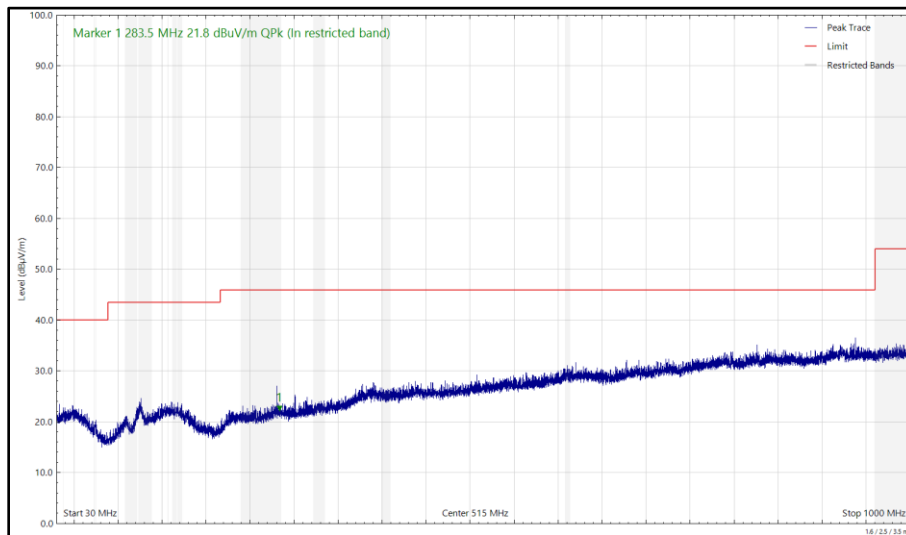


Figure 102 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 2, iPA, 30 MHz to 1 GHz, Horizontal (Peak)

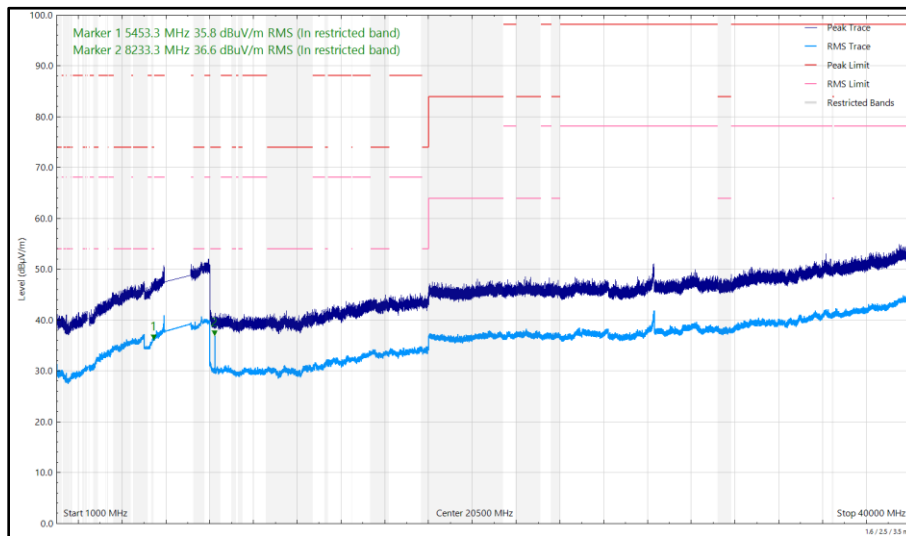


Figure 103 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 2, iPA, 1 GHz to 40 GHz, Horizontal

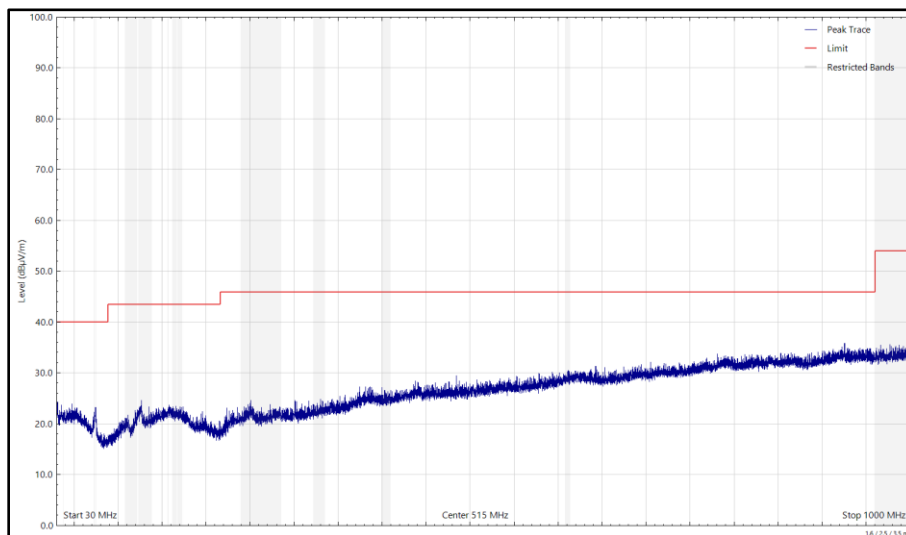


Figure 104 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 2, iPA, 30 MHz to 1 GHz, Vertical (Peak)

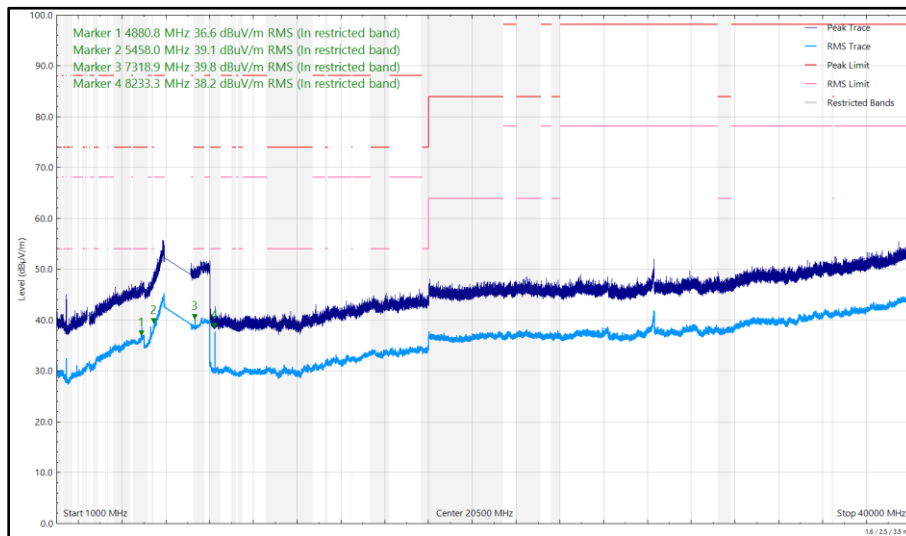


Figure 105 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 2, iPA, 1 GHz to 40 GHz, Vertical



| Frequency (MHz) | Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------|----------------|-------------|----------|-----------|-------------|--------------|
| 1206.170 | 32.44 | 54.00 | -21.56 | RMS | 101 | 158 | Vertical |
| 1440.160 | 35.50 | 54.00 | -18.50 | RMS | 266 | 244 | Vertical |
| 2389.822 | 36.51 | 54.00 | -17.49 | RMS | 344 | 294 | Vertical |
| 2483.748 | 37.75 | 54.00 | -16.25 | RMS | 338 | 279 | Vertical |
| 5445.010 | 40.06 | 54.00 | -13.94 | RMS | 249 | 323 | Horizontal |
| 7254.418 | 42.55 | 54.00 | -11.45 | RMS | 58 | 255 | Vertical |
| 7266.201 | 42.34 | 54.00 | -11.66 | RMS | 76 | 391 | Horizontal |

Table 36 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core0, ePA, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

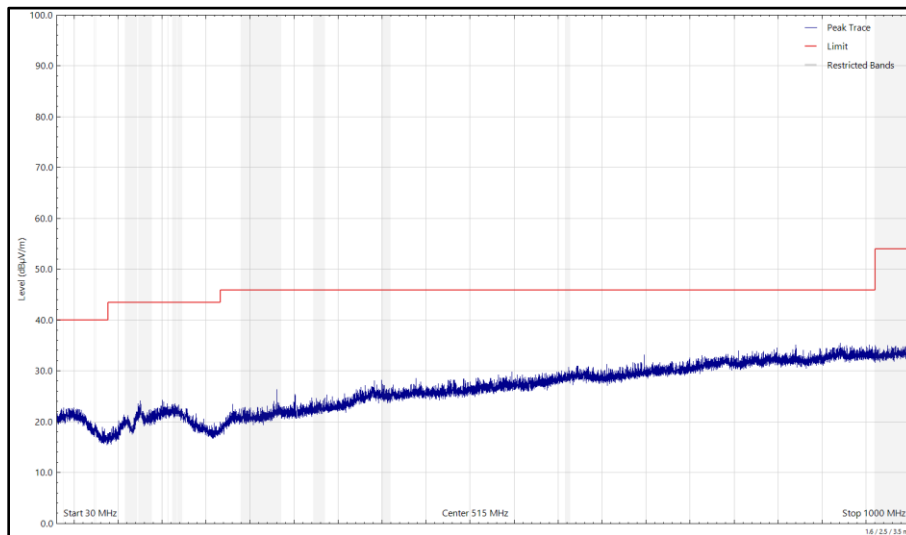


Figure 106 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core0, ePA, 30 MHz to 1 GHz, Horizontal (Peak)

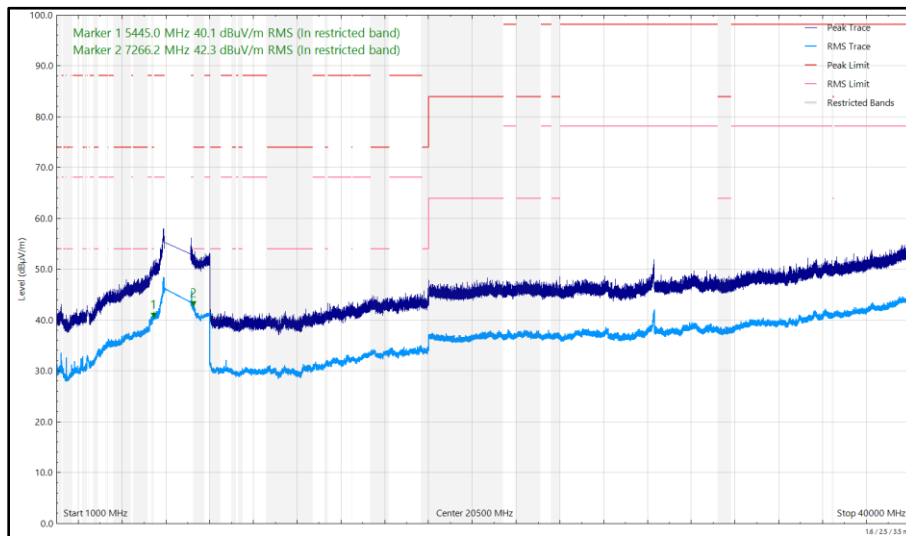


Figure 107 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core0, ePA, 1 GHz to 40 GHz, Horizontal

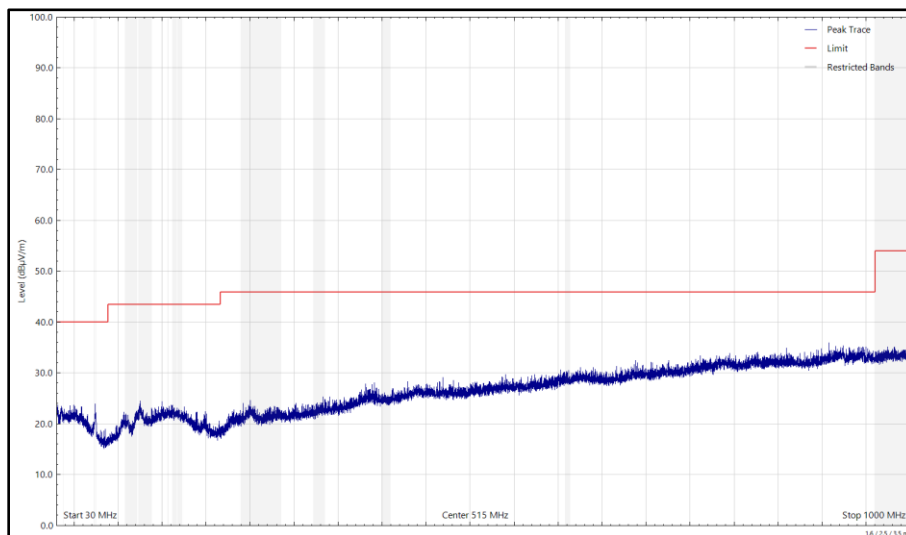


Figure 108 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core0, ePA, 30 MHz to 1 GHz, Vertical (Peak)

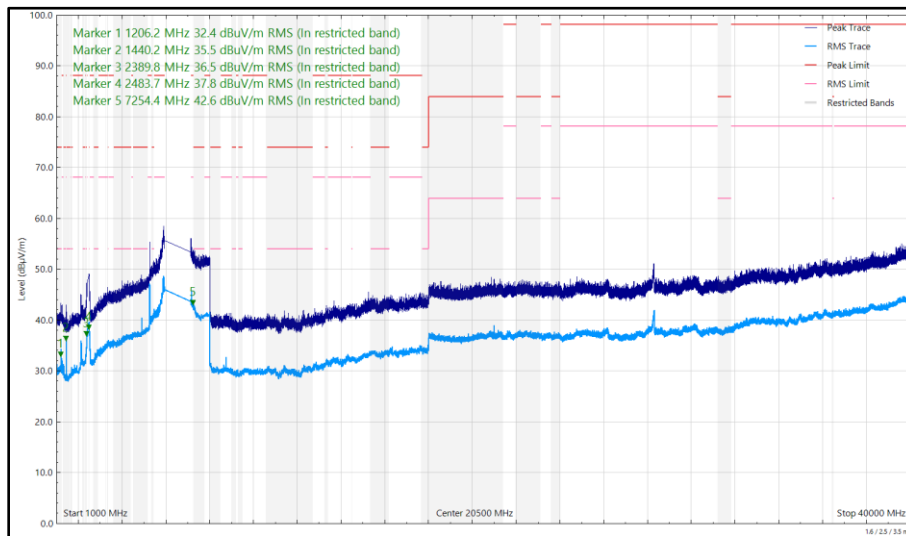


Figure 109 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core0, ePA, 1 GHz to 40 GHz, Vertical



| Frequency (MHz) | Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------|----------------|-------------|----------|-----------|-------------|--------------|
| 4361.904 | 34.55 | 54.00 | -19.45 | RMS | 301 | 104 | Horizontal |
| 5056.118 | 35.98 | 54.00 | -18.02 | RMS | 140 | 396 | Vertical |
| 5092.507 | 35.81 | 54.00 | -18.19 | RMS | 359 | 227 | Horizontal |
| 5420.898 | 37.30 | 54.00 | -16.70 | RMS | 247 | 149 | Horizontal |
| 5456.563 | 38.07 | 54.00 | -15.93 | RMS | 360 | 240 | Vertical |
| 7318.630 | 42.30 | 54.00 | -11.70 | RMS | 55 | 241 | Vertical |
| 7318.706 | 41.27 | 54.00 | -12.73 | RMS | 78 | 358 | Horizontal |

Table 37 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core1, ePA, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

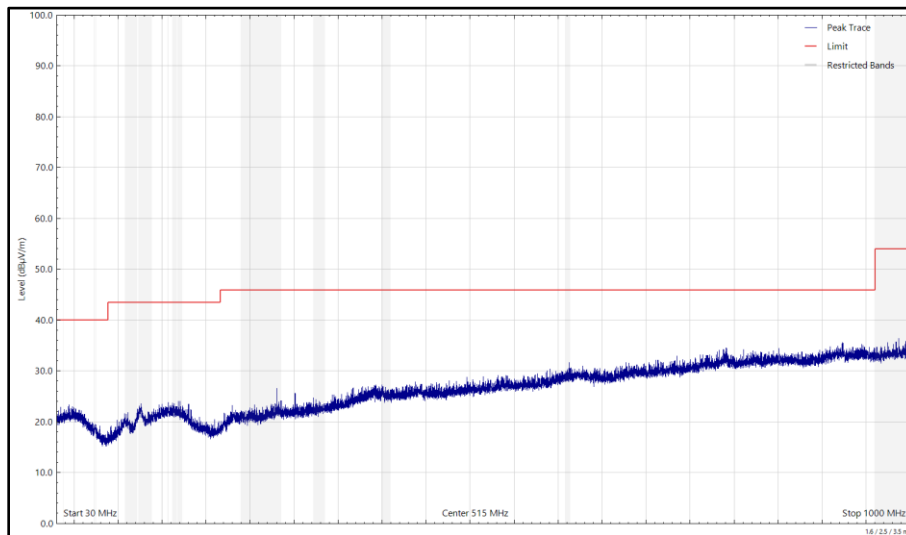


Figure 110 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core1, ePA, 30 MHz to 1 GHz, Horizontal (Peak)

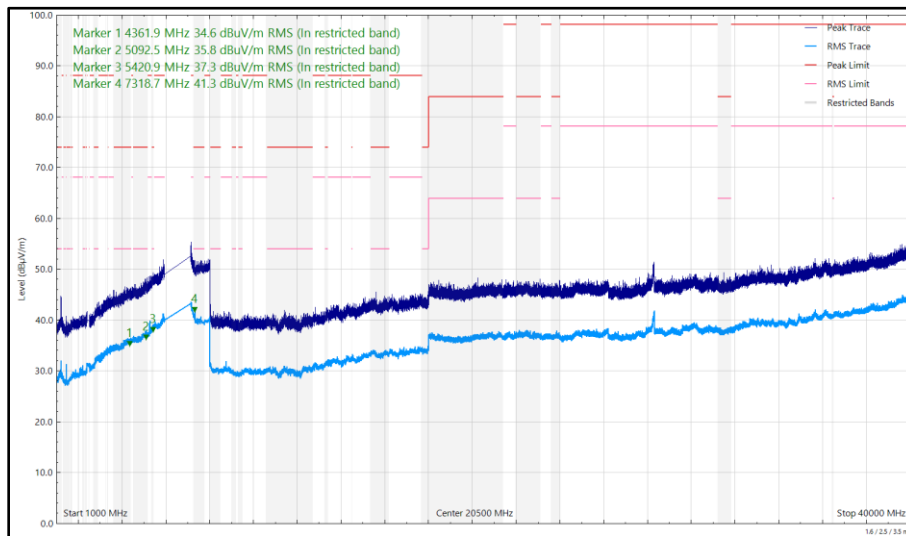


Figure 111 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core1, ePA, 1 GHz to 40 GHz, Horizontal

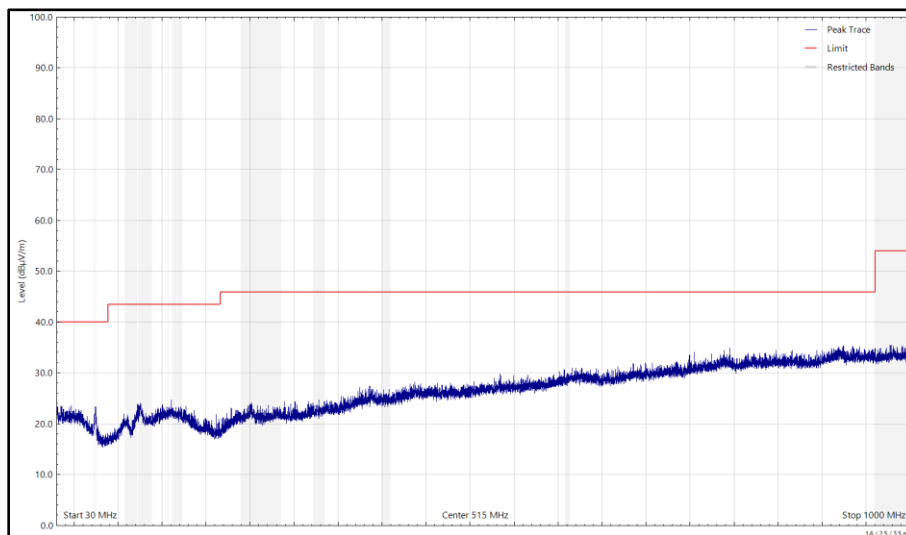


Figure 112 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core1, ePA, 30 MHz to 1 GHz, Vertical (Peak)

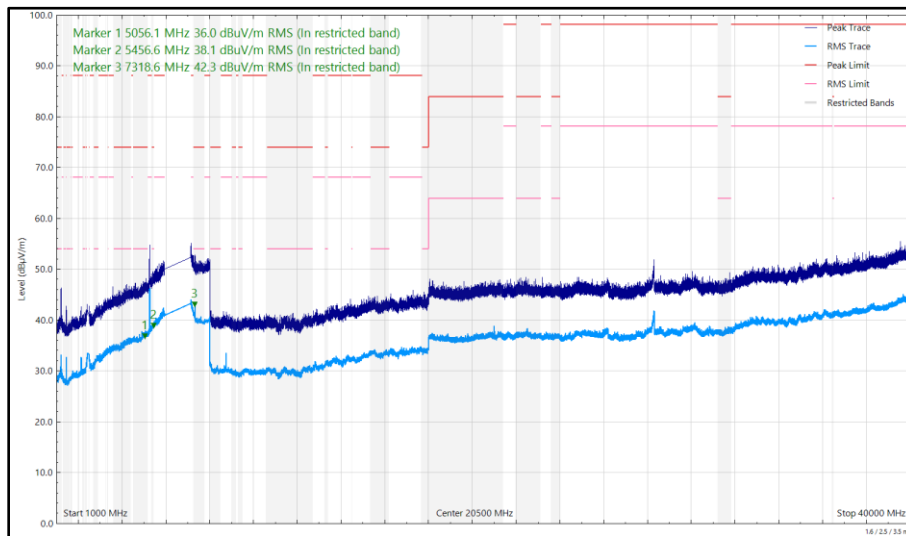


Figure 113 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core1, ePA, 1 GHz to 40 GHz, Vertical



| Frequency (MHz) | Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------|----------------|-------------|----------|-----------|-------------|--------------|
| 4879.193 | 37.10 | 54.00 | -16.90 | RMS | 36 | 217 | Vertical |
| 5459.890 | 38.61 | 54.00 | -15.39 | RMS | 299 | 100 | Vertical |
| 5459.932 | 38.56 | 54.00 | -15.44 | RMS | 7 | 100 | Horizontal |
| 7258.095 | 40.37 | 54.00 | -13.63 | RMS | 76 | 379 | Horizontal |
| 7321.118 | 41.62 | 54.00 | -12.38 | RMS | 58 | 275 | Vertical |

Table 38 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 2, iPA, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

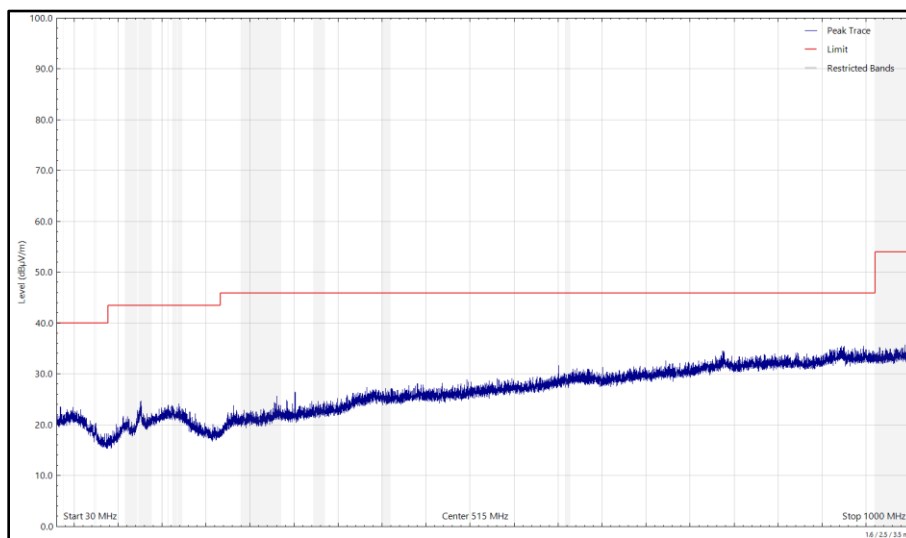


Figure 114 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 2, iPA, 30 MHz to 1 GHz, Horizontal (Peak)

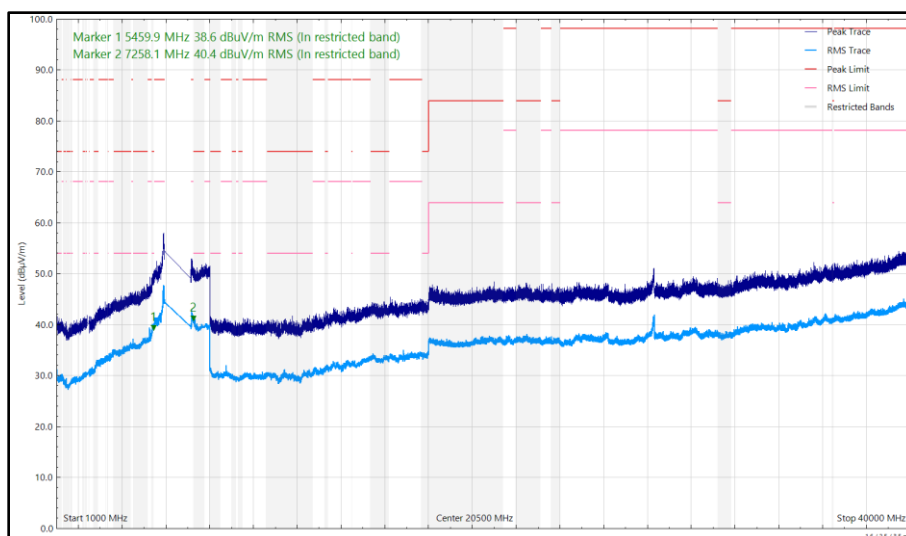


Figure 115 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 2, iPA, 1 GHz to 40 GHz, Horizontal

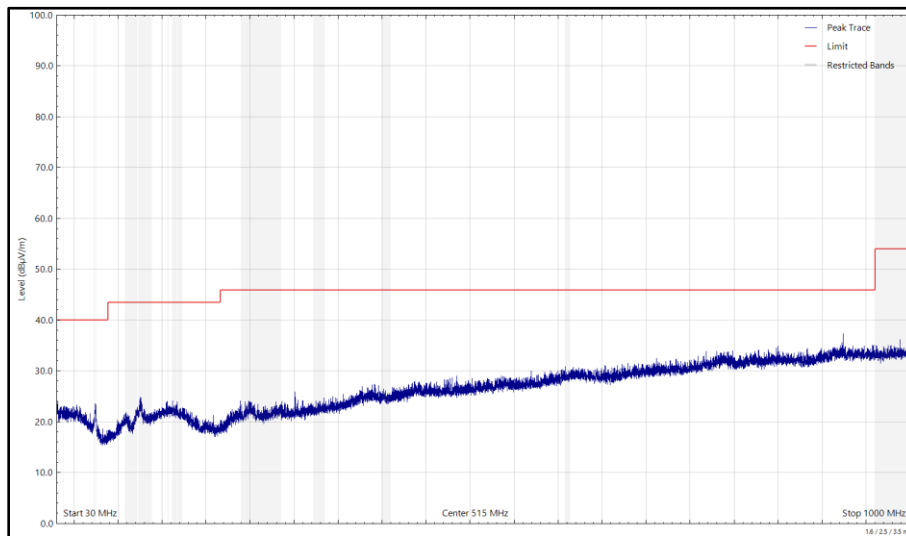


Figure 116 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 2, iPA, 30 MHz to 1 GHz, Vertical (Peak)

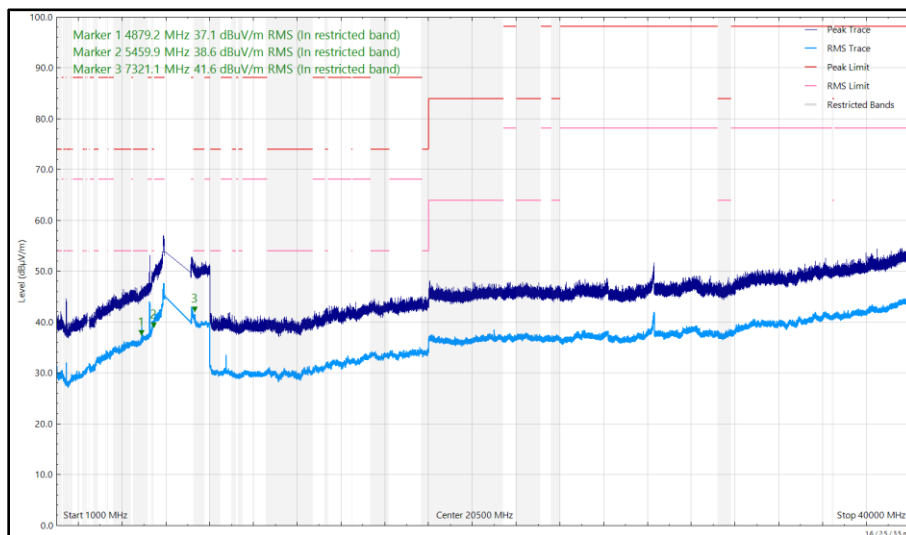


Figure 117 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 2, iPA, 1 GHz to 40 GHz, Vertical

FCC 47 CFR Part 15

The least stringent limit from the applicable rule parts was used to determine compliance for Radiated Emissions testing of multiple transmission sources.

The least stringent applicable limit was:

| Clause | Limit |
|-----------------|---|
| Part 15 247 (d) | -20 dBc |
| Part 15.407 (b) | Peak: -7 dBm/MHz e.i.r.p, Average: -27 dBm/MHz e.i.r.p. |
| Part 15.209 | Peak: 74 dB μ V/m at 3m, Average 54 dB μ V/m at 3m (Restricted bands > 1 GHz) |

Table 39



2.1.8 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 | 5914 | 12 | 24-May-2025 |
| Cable (K Type 2m) | Junkosha | MWX241-0200KMSKMS/B | 5935 | 12 | 10-Jun-2025 |
| Cable (K Type 2m) | Junkosha | MWX241-0200KMSKMS/B | 5937 | 12 | 10-Jun-2025 |
| DRG Horn Antenna (7.5-18GHz) | Schwarzbeck | HWRD750 | 5939 | 12 | 05-May-2025 |
| DRG Horn Antenna (7.5-18GHz) | Schwarzbeck | HWRD750 | 5940 | 12 | 05-May-2025 |
| TRILOG Super Broadband Test Antenna | Schwarzbeck | VULB 9168 | 5943 | 24 | 24-May-2026 |
| TRILOG Super Broadband Test Antenna | Schwarzbeck | VULB 9168 | 5944 | 24 | 24-May-2026 |
| 1500W (300V 12A) AC Power Supply | iTech | IT7324 | 5955 | - | O/P Mon |
| 1500W (300V 12A) AC Power Supply | iTech | IT7324 | 5956 | - | 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 | 5997 | 12 | 13-Sep-2025 |
| Cable (N to N 8m) | Junkosha | MWX221-08000NMSNMS/A | 6006 | 12 | 20-May-2025 |
| Cable (SMA to SMA 1m) | Junkosha | MWX221-01000AMSAMS/A | 6007 | 12 | 20-May-2025 |
| Cable (N to N 1m) | Junkosha | MWX221-01000AMSAMS/B | 6009 | 12 | 20-May-2025 |
| Cable (N to N 8m) | Junkosha | MWX221-08000NMSNMS/A | 6017 | 12 | 12-Sep-2025 |
| Cable (N to N 3m) | Junkosha | MWX221-03000NMSNMS/A | 6025 | 12 | 20-May-2025 |



| Instrument | Manufacturer | Type No. | TE No. | Calibration Period (months) | Calibration Expiry Date |
|--|---------------------|---------------------------|--------|-----------------------------|-------------------------|
| Horn Antenna (1-10 GHz) | Schwarzbeck | BBHA9120B | 6140 | 12 | 05-May-2025 |
| Horn Antenna (1-10 GHz) | Schwarzbeck | BBHA9120B | 6141 | 12 | 05-May-2025 |
| SAC Switch Unit | TUV SUD | TUV_SSU_001 | 6144 | 12 | 11-Dec-2024 |
| Digital Multimeter | Fluke | 115 | 6146 | 12 | 06-Jun-2025 |
| Digital Multimeter | Fluke | 115 | 6147 | 12 | 06-Jun-2025 |
| Humidity & Temperature meter | R.S Components | 1364 | 6148 | 12 | 29-Jul-2025 |
| Humidity & Temperature meter | R.S Components | 1364 | 6149 | 12 | 12-Aug-2025 |
| Double Ridge Active Horn Antenna (18-40 GHz) | Com-Power | AHA-840 | 6189 | 24 | 31-Aug-2024* |
| 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 |
| 8GHz Highpass Filter | Wainwright | WHKX 7150 8000 18000 50SS | 6194 | 12 | 23-Apr-2025 |
| 8GHz Highpass Filter | Wainwright | WHKX 7150 8000 18000 50SS | 6195 | 12 | 23-Apr-2025 |
| Pre Amp 8 - 18 GHz | Wright Technologies | APS06 0061 | 6198 | 12 | 03-Jun-2025 |
| Pre Amp 8 - 18 GHz | Wright Technologies | APS06 0061 | 6200 | 12 | 03-Jun-2025 |
| Attenuator 4dB | Pasternack | PE7074-4 | 6201 | 24 | 24-May-2026 |
| Attenuator 4dB | Pasternack | PE7074-4 | 6203 | 24 | 24-May-2026 |
| Attenuator 4dB | Pasternack | PE7074-4 | 6204 | 24 | 20-Jun-2026 |
| Cable (SMA to SMA 20cm) | TUV SUD | MH-FH 8-18 | 6214 | 12 | 23-Apr-2025 |
| Cable (SMA to SMA 20cm) | TUV SUD | MH-FH 8-18 | 6215 | 12 | 23-Apr-2025 |
| EMI Test Receiver | Rohde & Schwarz | ESW44 | 6294 | 12 | 06-Jan-2025 |
| USB Spectrum Analyser | Signal Hound | SA124B | 6295 | - | TU |
| USB Spectrum Analyser | Signal Hound | SA124B | 6296 | - | TU |
| USB Spectrum Analyser | Signal Hound | SA124B | 6297 | - | TU |
| USB Spectrum Analyser | Signal Hound | SA124B | 6298 | - | TU |
| Cable (SMA to SMA 8m) | Junkosha | MWX221-08000AMSAMS/B | 6318 | 12 | 18-Feb-2025 |
| Cable (K Type 2m) | Junkosha | MWX241-02000KMSKMS/B | 6323 | 12 | 04-Feb-2025 |
| Cable (K Type 2m) | Junkosha | MWX241-02000KMSKMS/B | 6324 | 12 | 04-Feb-2025 |
| EMC Test Receiver | Rohde & Schwarz | ESW44 | 6333 | 12 | 16-Feb-2025 |
| Digital Multimeter | Fluke | 115 | 6345 | 12 | 24-Jul-2025 |
| Humidity and Temperature Meter | R.S Components | 1364 | 6346 | 12 | 06-Mar-2025 |
| SAC Switch Unit | TUV SUD | TUV_SSU_004 PLC | 6349 | 12 | 07-May-2025 |
| 8 GHz High Pass Filter | Wainwright | WHKX 7150 8000 18000 50SS | 6427 | 12 | 23-Apr-2025 |



| Instrument | Manufacturer | Type No. | TE No. | Calibration Period (months) | Calibration Expiry Date |
|--|---------------------|----------------------|--------|-----------------------------|-------------------------|
| Trilog Super Broadband Test Antenna | Schwarzbeck | VULB 9168 | 6456 | 24 | 10-Feb-2025 |
| Horn Antenna (1–8 GHz) | Schwarzbeck | BBHA 9120 B | 6457 | 12 | 05-May-2025 |
| DRG Horn Antenna (8-18 GHz) | Schwarzbeck | HWRD750 | 6458 | 12 | 05-May-2025 |
| Coax cable sma to sma with N-Type adapter | TUV SUD | N/A | 6637 | 12 | 23-Apr-2025 |
| 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 |
| Double Ridge Active Horn Antenna (18-40 GHz) | Com-Power | AHA-840 | 6771 | 24 | 17-Jan-2025 |
| Pre Amp 8 - 18 GHz | Wright Technologies | APS06-0061 | 6783 | 12 | 23-Apr-2025 |
| Mast & Turntable Controller | Maturo Gmbh | FCU3.0 | 6795 | - | TU |
| Tilt Antenna Mast | Maturo Gmbh | BAM4.5-P | 6796 | - | TU |
| Turntable | Maturo Gmbh | TT1.5SI | 6797 | - | TU |
| EMI Test Receiver | Rohde & Schwarz | ESW44 | 6805 | 12 | 29-May-2025 |
| AC Programmable Power Supply | iTech | IT7324 | 6812 | - | O/P Mon |
| Broad-Band Horn Antenna 1-10GHz N | Schwarzbeck | BBHA9120B | 6825 | 12 | 18-Jul-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 40

TU - Traceability Unscheduled
 O/P Mon - Output Monitored using calibrated equipment

*NOTE: Only used within calibration period.



3 Measurement Uncertainty

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

| Test Name | Measurement Uncertainty |
|---|--|
| Radiated Spurious Emissions (Simultaneous Transmission) | 30 MHz to 1 GHz: ± 5.2 dB 1 GHz to 40 GHz: ± 6.3 dB |

Table 41

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.