

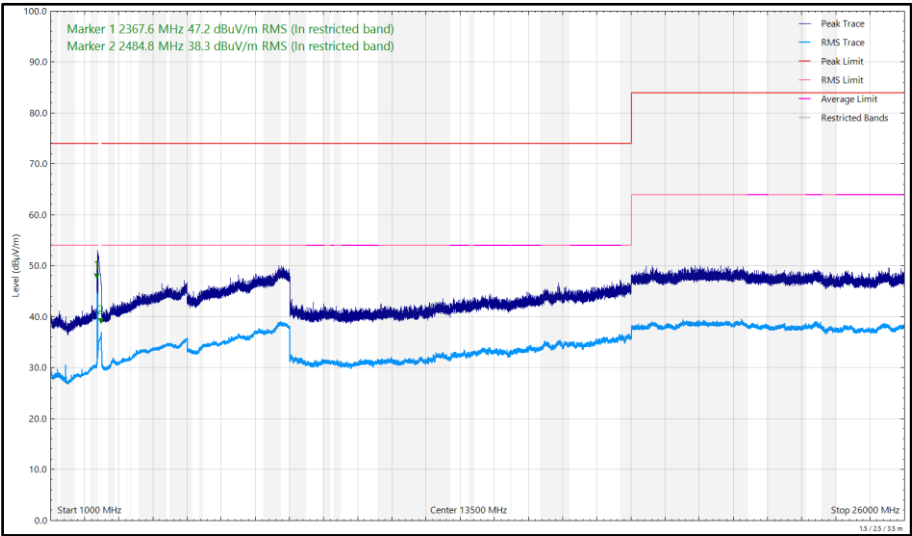


Figure 59 - 2442 MHz (CH7), HT20, CDD, Core 0 + Core 1 and 2405 MHz (CH11), Thread, iPA, Core 2, 1 GHz to 26 GHz, Horizontal

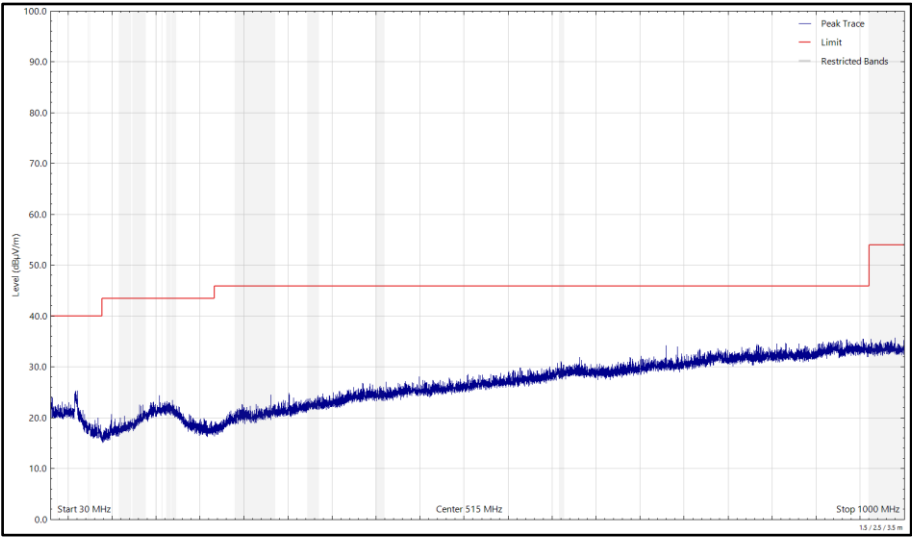


Figure 60 - 2442 MHz (CH7), HT20, CDD, Core 0 + Core 1 and 2405 MHz (CH11), Thread, iPA, Core 2, 30 MHz to 1 GHz, Vertical (Peak)

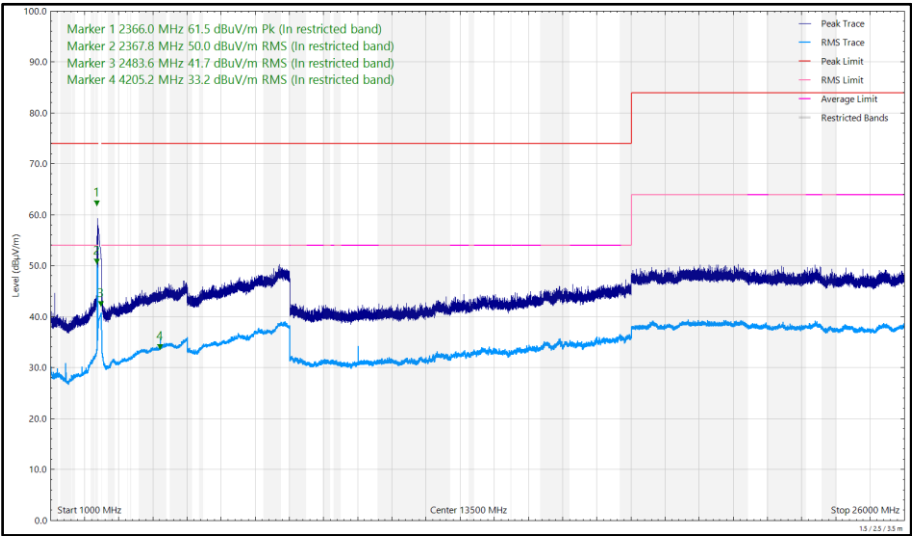


Figure 61 - 2442 MHz (CH7), HT20, CDD, Core 0 + Core 1 and 2405 MHz (CH11), Thread, iPA, Core 2, 1 GHz to 26 GHz, Vertical



| Frequency (MHz) | Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------|----------------|-------------|----------|-----------|-------------|--------------|
| 2499.601        | 59.92          | 74.00          | -14.08      | Peak     | 333       | 381         | Vertical     |
| 2499.906        | 48.25          | 54.00          | -5.75       | RMS      | 333       | 282         | Vertical     |
| 2499.925        | 45.57          | 54.00          | -8.43       | RMS      | 310       | 391         | Horizontal   |
| 2507.617        | 64.79          | 74.00          | -9.21       | Peak     | 325       | 378         | Vertical     |
| 2508.927        | 61.54          | 74.00          | -12.46      | Peak     | 309       | 384         | Horizontal   |
| 4211.975        | 34.14          | 54.00          | -19.86      | RMS      | 325       | 266         | Vertical     |

Table 24 - 2442 MHz (CH7), HT20, CDD, Core 0 + Core 1 and 2475 MHz (CH25), Thread, iPA, Core 2, 30 MHz to 26 GHz

No other emissions found within 6 dB of the limit.

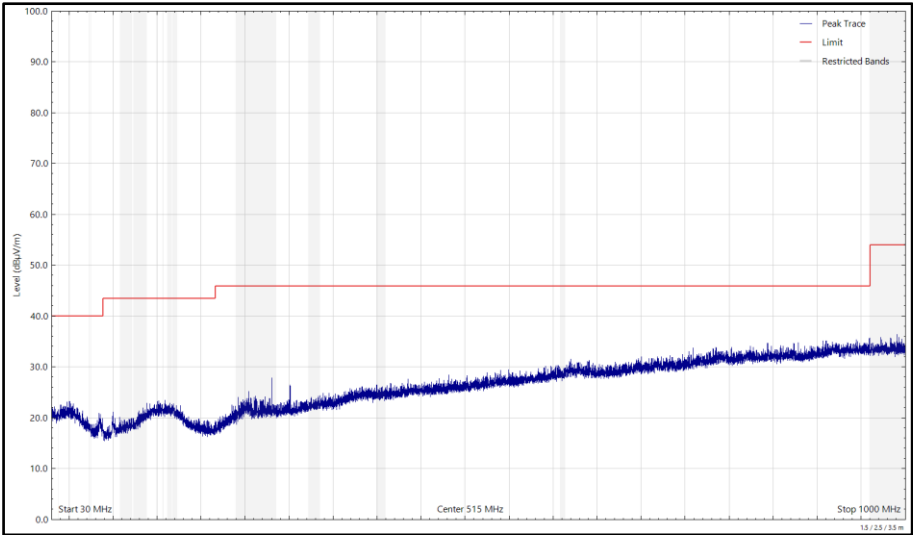


Figure 62 - 2442 MHz (CH7), HT20, CDD, Core 0 + Core 1 and 2475 MHz (CH25), Thread, iPA, Core 2, 30 MHz to 1 GHz, Horizontal (Peak)

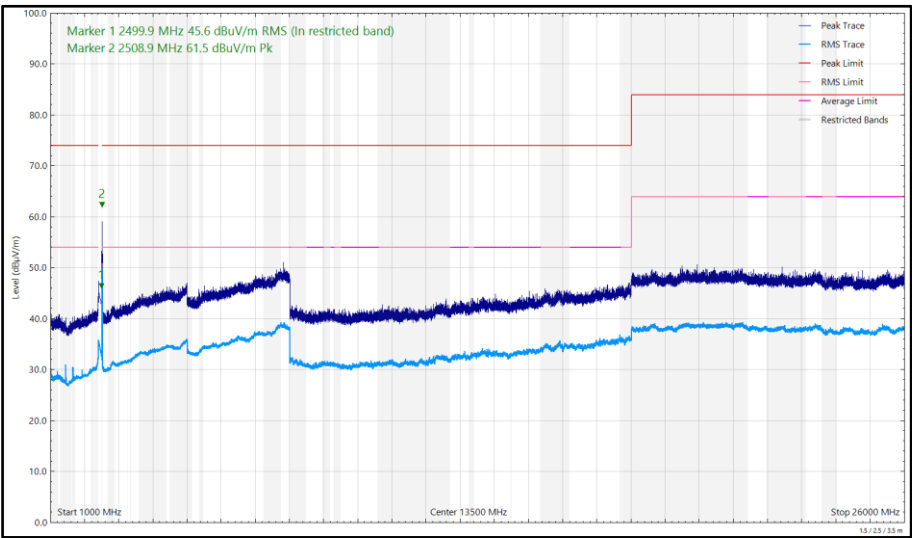


Figure 63 - 2442 MHz (CH7), HT20, CDD, Core 0 + Core 1 and 2475 MHz (CH25), Thread, iPA, Core 2, 1 GHz to 26 GHz, Horizontal

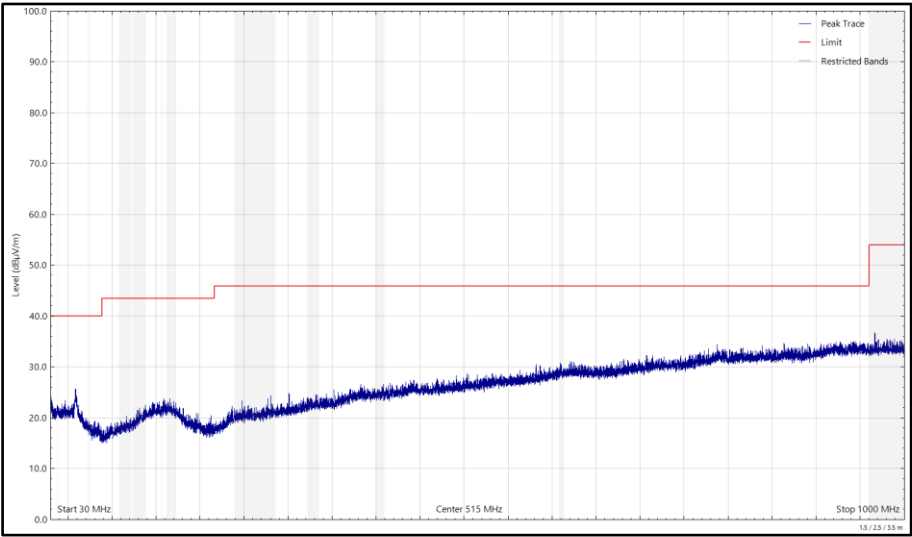


Figure 64 - 2442 MHz (CH7), HT20, CDD, Core 0 + Core 1 and 2475 MHz (CH25), Thread, iPA, Core 2, 30 MHz to 1 GHz, Vertical (Peak)

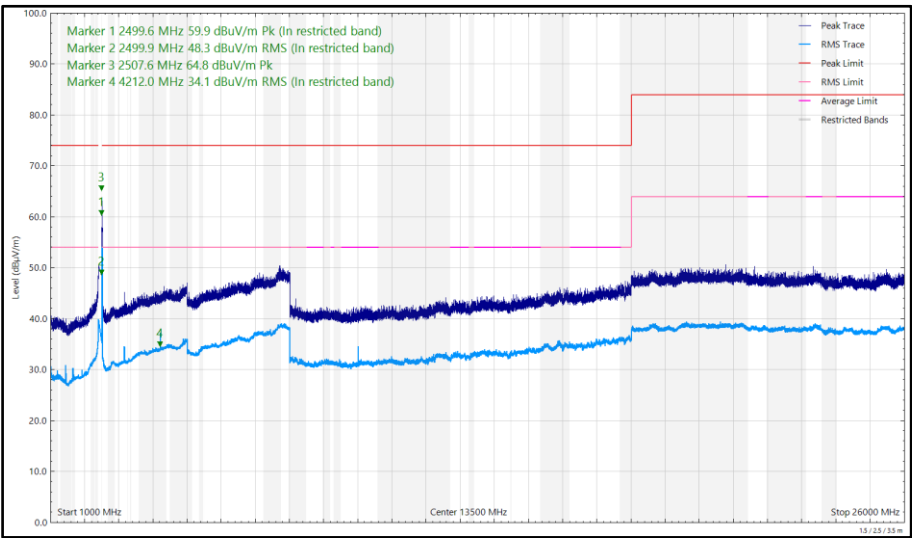


Figure 65 - 2442 MHz (CH7), HT20, CDD, Core 0 + Core 1 and 2475 MHz (CH25), Thread, iPA, Core 2, 1 GHz to 26 GHz, Vertical

FCC 47 CFR Part 15 and ISED RSS-247 and ISED RSS-GEN

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) / RSS-247<br>Clause 5.5 | -20 dBc / -30 dBc                                                         |
| Part 15.209 / RSS-GEN<br>Clause 8.9     | Peak: 74 dBuV/m at 3m, Average 54 dBuV/m at 3m (Restricted bands > 1 GHz) |

Table 25



5 GHz WLAN and Thread

| Frequency (MHz) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------|----------------|-------------|----------|-----------|-------------|--------------|
| 279.989         | 25.95          | 46.00          | -20.05      | Q-Peak   | 272       | 126         | Horizontal   |
| 2381.045        | 60.84          | 74.00          | -13.16      | Peak     | 352       | 332         | Vertical     |
| 2389.990        | 38.13          | 54.00          | -15.87      | RMS      | 356       | 397         | Vertical     |
| 2483.583        | 37.75          | 54.00          | -16.25      | RMS      | 355       | 327         | Vertical     |
| 4878.741        | 38.38          | 54.00          | -15.62      | RMS      | 38        | 400         | Horizontal   |
| 4880.911        | 44.79          | 54.00          | -9.21       | RMS      | 326       | 335         | Vertical     |
| 5118.317        | 45.69          | 54.00          | -8.31       | RMS      | 0         | 300         | Vertical     |
| 5352.409        | 41.23          | 54.00          | -12.77      | RMS      | 291       | 334         | Horizontal   |
| 5358.484        | 47.37          | 54.00          | -6.63       | RMS      | 10        | 293         | Vertical     |

Table 26 – 5240 MHz (CH48), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 0, 30 MHz to 40 GHz

No other emissions found within 6 dB of the limit.

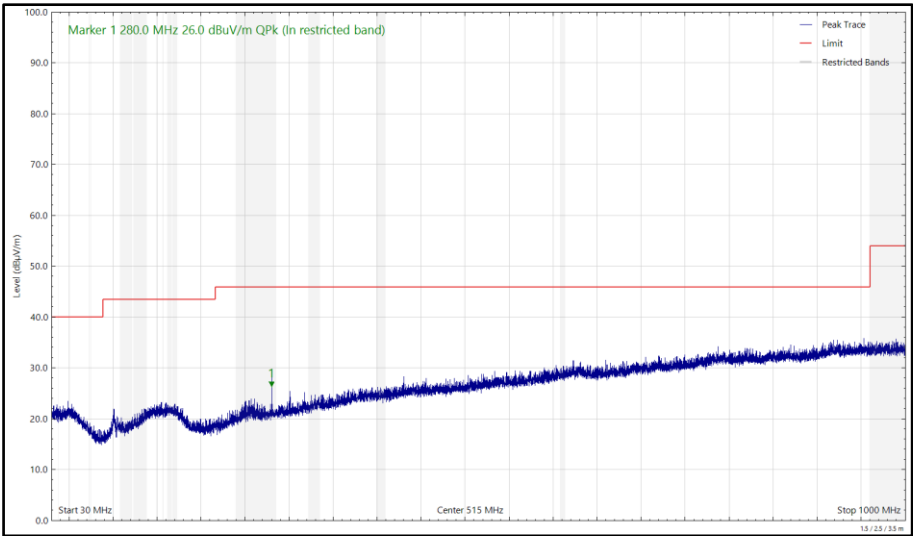


Figure 66 – 5240 MHz (CH48), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 0, 30 MHz to 1 GHz, Horizontal (Peak)

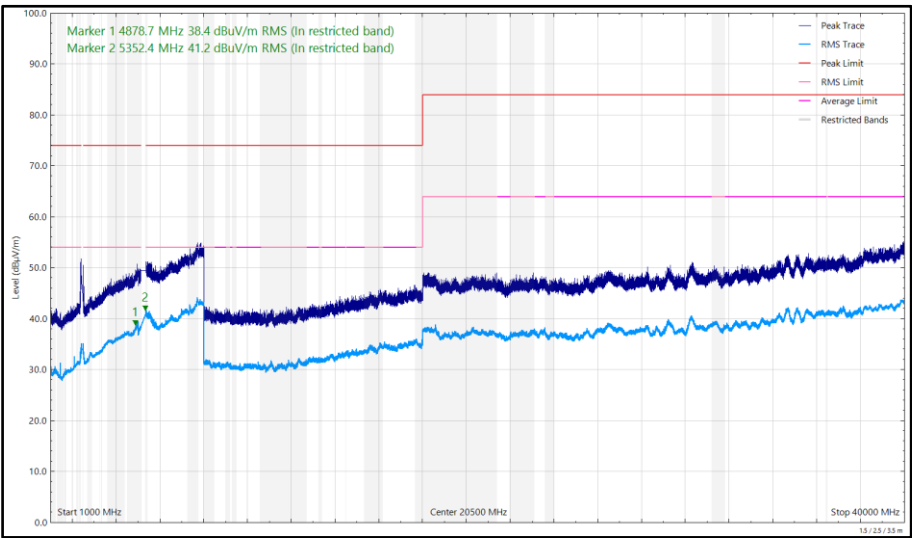


Figure 67 – 5240 MHz (CH48), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 0, 1 GHz to 40 GHz, Horizontal

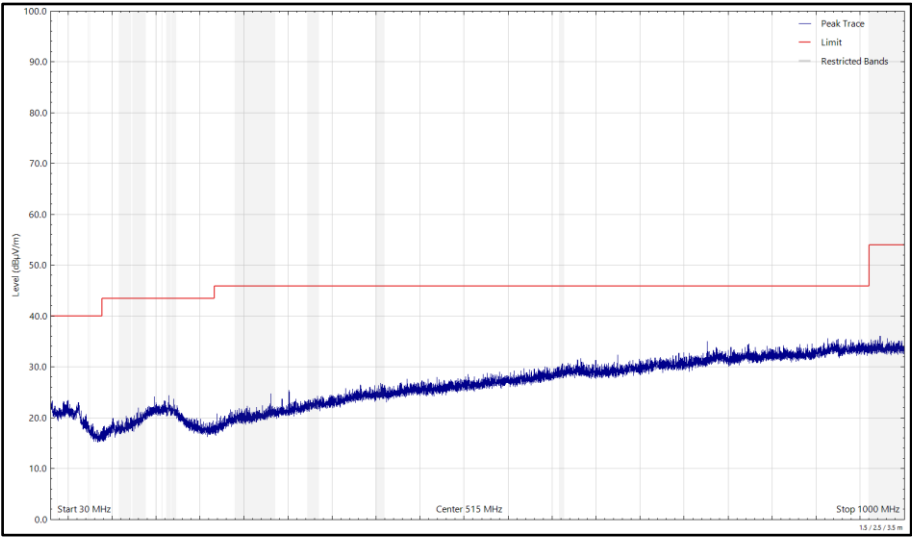


Figure 68 – 5240 MHz (CH48), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 0, 30 MHz to 1 GHz, Vertical (Peak)

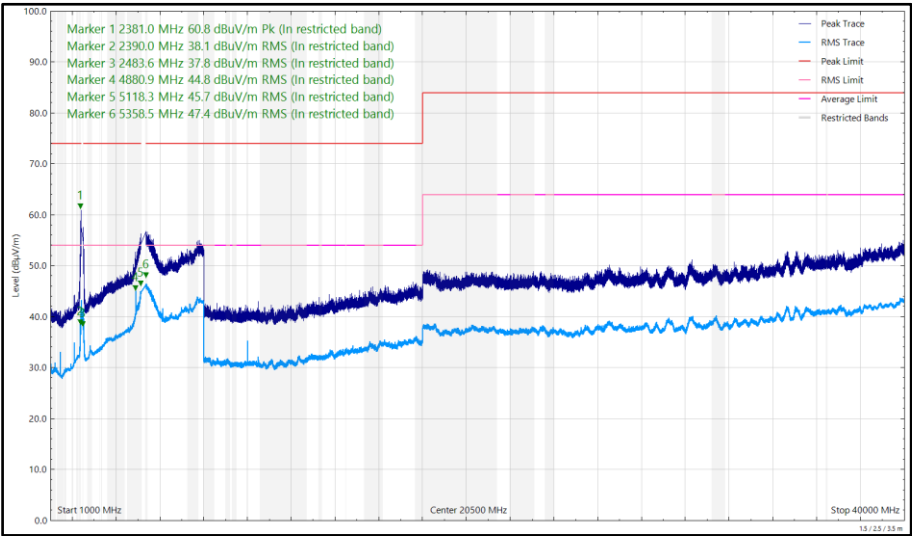


Figure 69 – 5240 MHz (CH48), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 0, 1 GHz to 40 GHz, Vertical



| Frequency (MHz) | Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------|----------------|-------------|----------|-----------|-------------|--------------|
| 279.978         | 25.45          | 46.00          | -20.55      | Q-Peak   | 295       | 112         | Horizontal   |
| 4878.964        | 44.75          | 54.00          | -9.25       | RMS      | 64        | 382         | Horizontal   |
| 4878.989        | 58.53          | 74.00          | -15.47      | Peak     | 360       | 291         | Vertical     |
| 4879.115        | 50.24          | 54.00          | -3.76       | RMS      | 7         | 315         | Vertical     |
| 5111.077        | 57.93          | 74.00          | -16.07      | Peak     | 360       | 299         | Vertical     |
| 5118.704        | 45.73          | 54.00          | -8.27       | RMS      | 342       | 284         | Vertical     |
| 5354.476        | 47.04          | 54.00          | -6.96       | RMS      | 353       | 291         | Vertical     |
| 5356.735        | 59.44          | 74.00          | -14.56      | Peak     | 2         | 295         | Vertical     |
| 5359.094        | 40.77          | 54.00          | -13.23      | RMS      | 291       | 322         | Horizontal   |

Table 27 – 5240 MHz (CH48), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 1, 30 MHz to 40 GHz

No other emissions found within 6 dB of the limit.

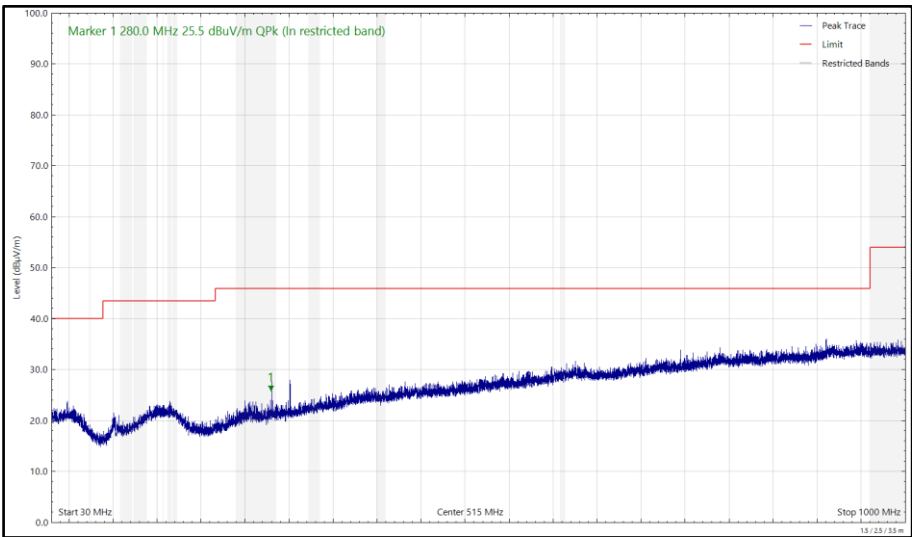


Figure 70 – 5240 MHz (CH48), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

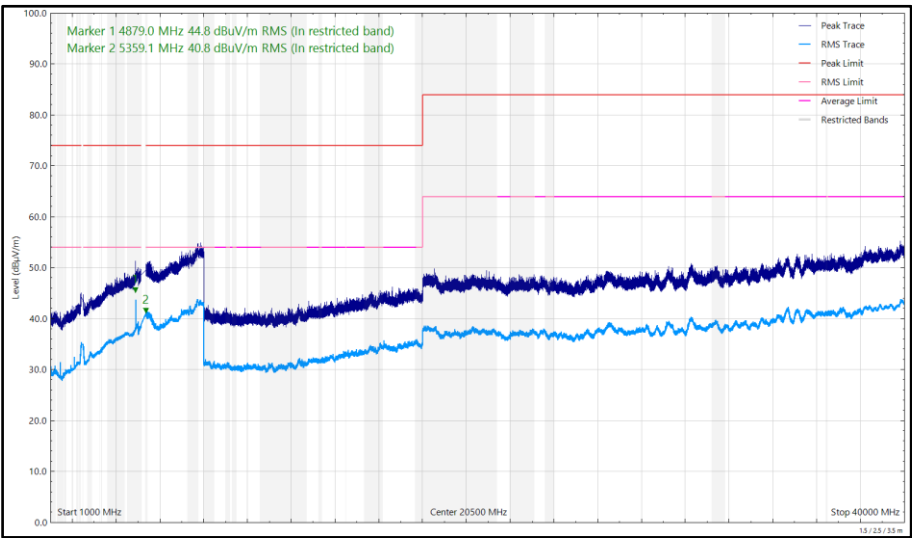


Figure 71 – 5240 MHz (CH48), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 1, 1 GHz to 40 GHz, Horizontal

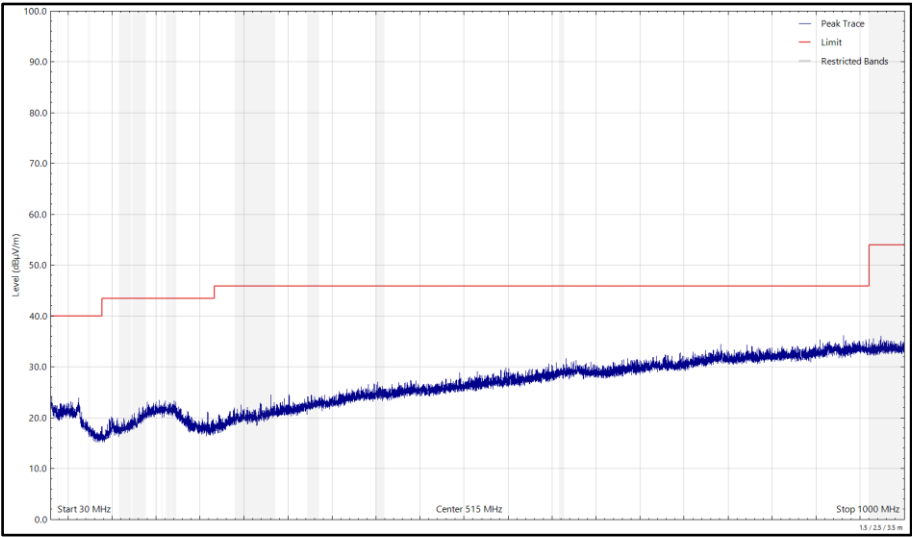


Figure 72 – 5240 MHz (CH48), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 1, 30 MHz to 1 GHz, Vertical (Peak)

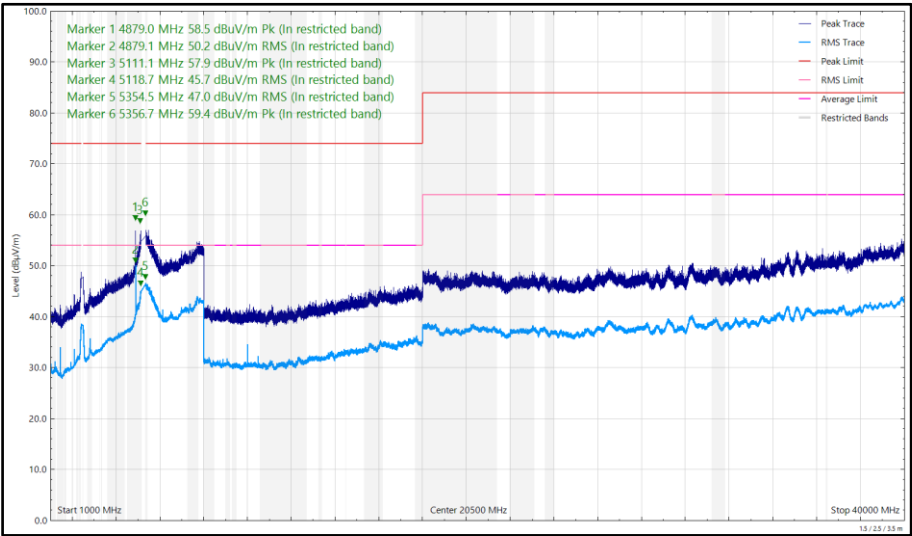


Figure 73 – 5240 MHz (CH48), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 1, 1 GHz to 40 GHz, Vertical



| Frequency (MHz) | Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------|----------------|-------------|----------|-----------|-------------|--------------|
| 280.009         | 26.42          | 46.00          | -19.58      | Q-Peak   | 281       | 125         | Horizontal   |
| 4879.090        | 47.47          | 54.00          | -6.53       | RMS      | 360       | 291         | Vertical     |
| 4881.012        | 40.42          | 54.00          | -13.58      | RMS      | 68        | 400         | Horizontal   |
| 4881.051        | 56.07          | 74.00          | -17.93      | Peak     | 360       | 289         | Vertical     |
| 5117.176        | 57.49          | 74.00          | -16.51      | Peak     | 360       | 294         | Vertical     |
| 5118.569        | 45.68          | 54.00          | -8.32       | RMS      | 339       | 272         | Vertical     |
| 5351.847        | 41.19          | 54.00          | -12.81      | RMS      | 298       | 355         | Horizontal   |
| 5357.204        | 59.12          | 74.00          | -14.88      | Peak     | 360       | 316         | Vertical     |
| 5358.157        | 47.90          | 54.00          | -6.10       | RMS      | 2         | 306         | Vertical     |

Table 28 – 5240 MHz (CH48), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, iPA, Core 2, 30 MHz to 40 GHz

No other emissions found within 6 dB of the limit.

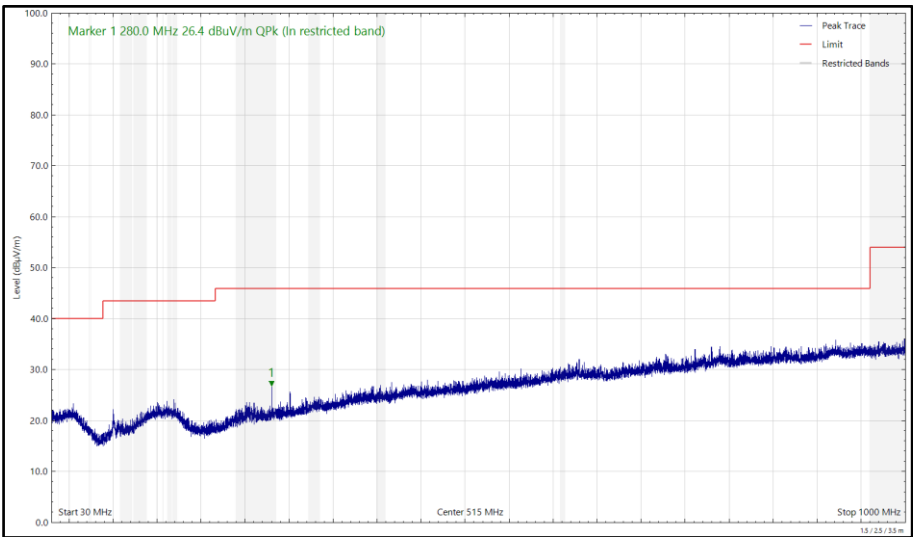


Figure 74 – 5240 MHz (CH48), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, iPA, Core 2, 30 MHz to 1 GHz, Horizontal (Peak)

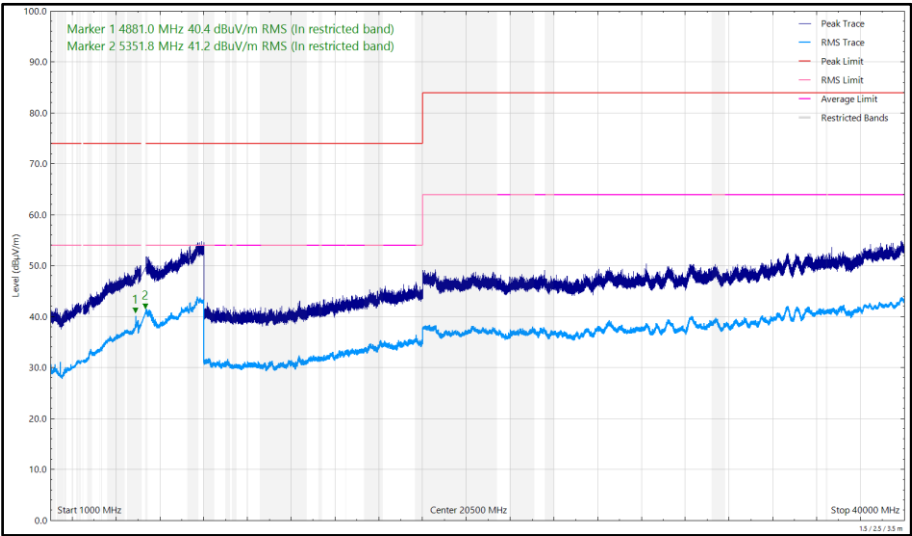


Figure 75 – 5240 MHz (CH48), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, iPA, Core 2, 1 GHz to 40 GHz, Horizontal

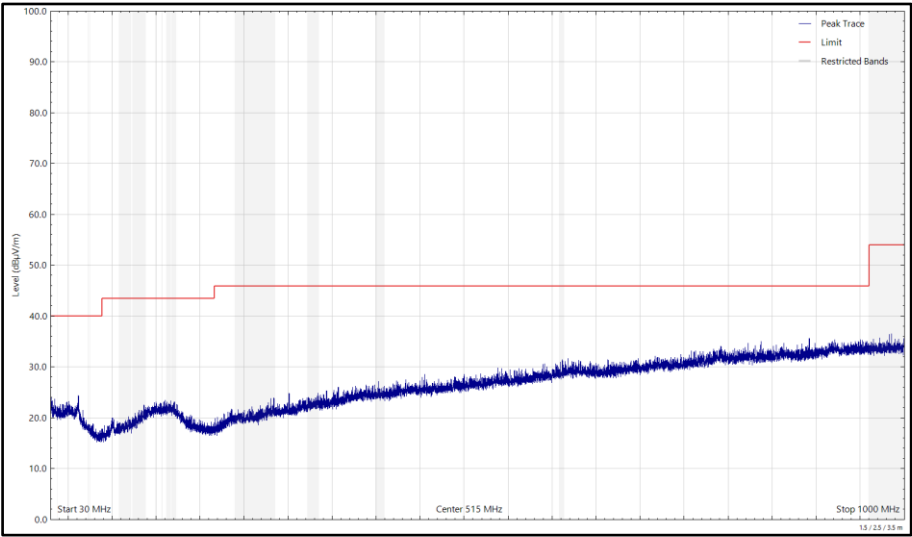


Figure 76 – 5240 MHz (CH48), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, iPA, Core 2, 30 MHz to 1 GHz, Vertical (Peak)

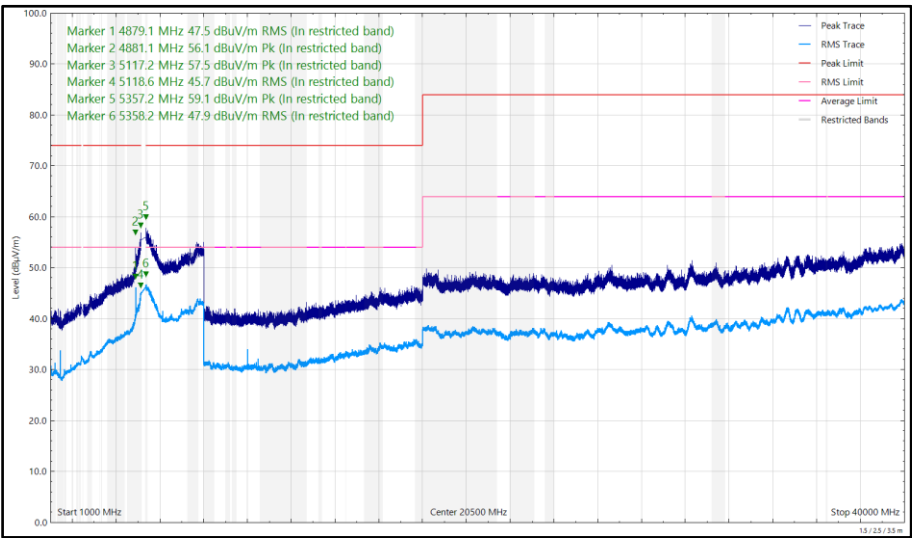
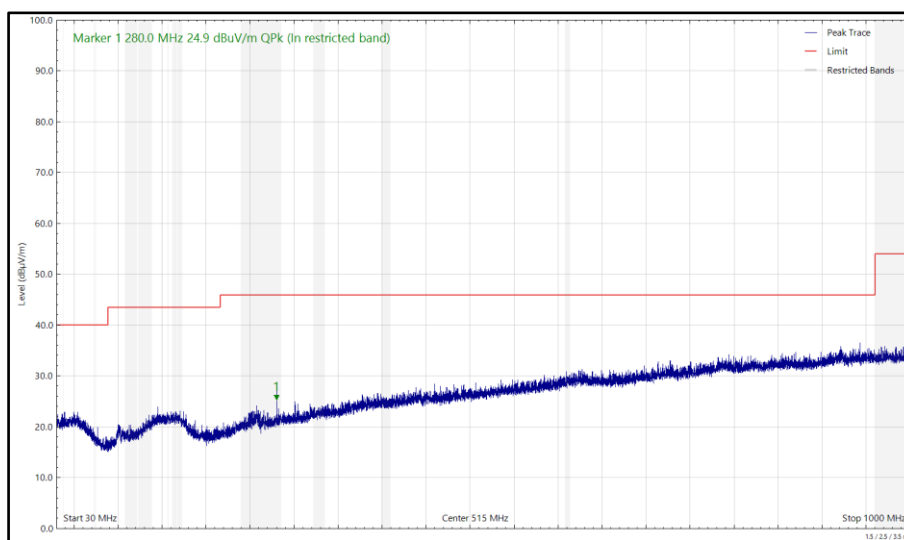


Figure 77 – 5240 MHz (CH48), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, iPA, Core 2, 1 GHz to 40 GHz, Vertical

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Detector | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------------|----------------------|-------------|----------|-----------|-------------|--------------|
| 280.013         | 24.91                | 46.00                | -21.09      | Q-Peak   | 93        | 103         | Horizontal   |
| 2386.128        | 61.20                | 74.00                | -12.80      | Peak     | 2         | 298         | Vertical     |
| 2389.434        | 38.20                | 54.00                | -15.80      | RMS      | 0         | 332         | Vertical     |
| 2483.938        | 39.60                | 54.00                | -14.40      | RMS      | 26        | 309         | Vertical     |
| 2484.050        | 35.48                | 54.00                | -18.52      | RMS      | 311       | 393         | Horizontal   |
| 2486.442        | 59.56                | 74.00                | -14.44      | Peak     | 352       | 363         | Vertical     |
| 4879.073        | 45.66                | 54.00                | -8.34       | RMS      | 332       | 291         | Vertical     |
| 4880.900        | 38.16                | 54.00                | -15.84      | RMS      | 36        | 382         | Horizontal   |
| 5457.243        | 40.92                | 54.00                | -13.08      | RMS      | 296       | 397         | Horizontal   |
| 5459.942        | 46.14                | 54.00                | -7.86       | RMS      | 4         | 288         | Vertical     |

**Table 29 – 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 0, 30 MHz to 40 GHz**

No other emissions found within 6 dB of the limit.



**Figure 78 – 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 0, 30 MHz to 1 GHz, Horizontal (Peak)**

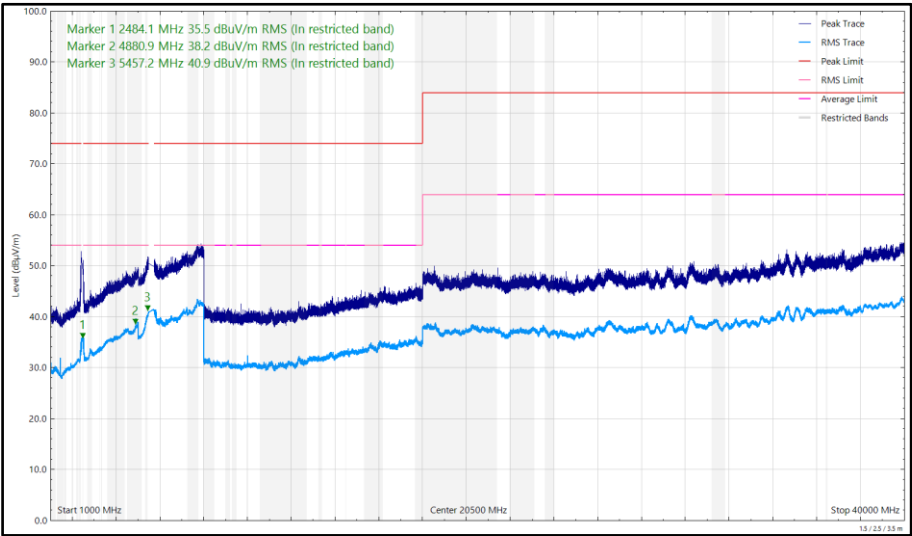


Figure 79 – 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 0, 1 GHz to 40 GHz, Horizontal

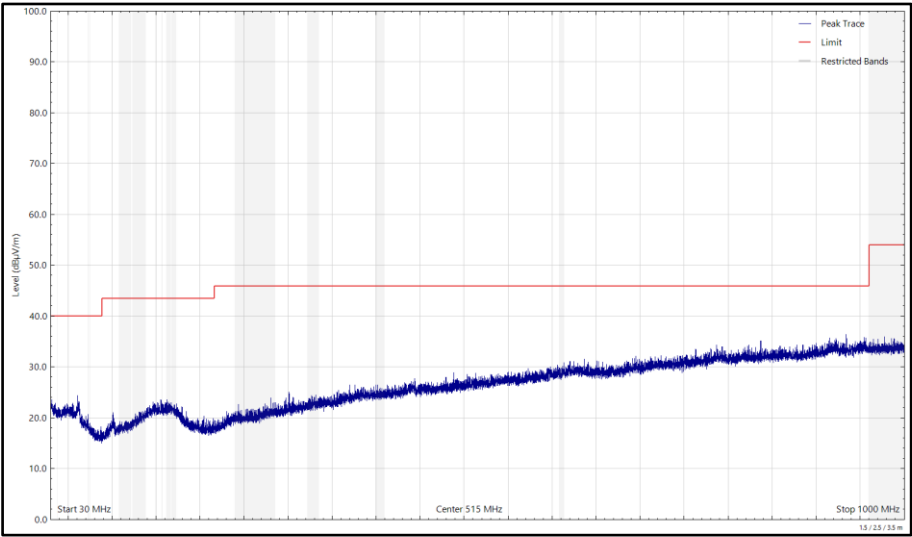
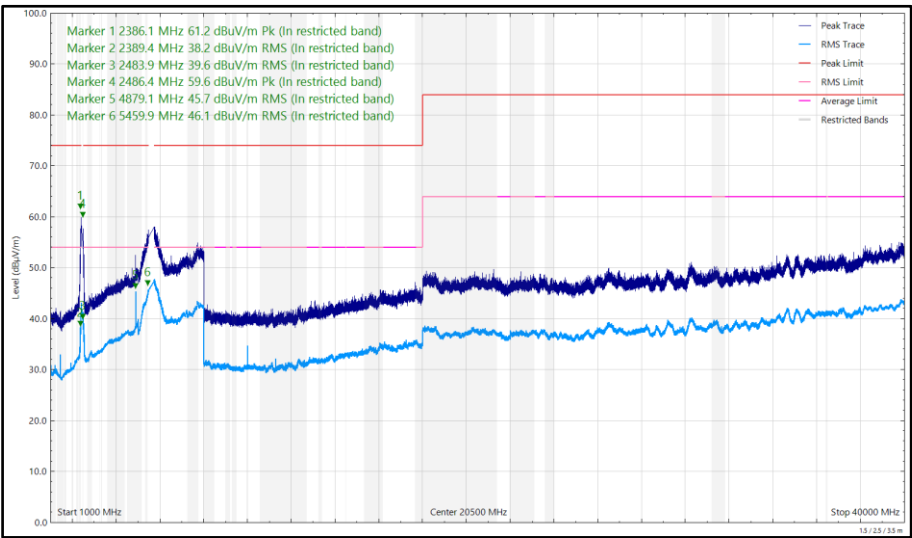


Figure 80 – 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 0, 30 MHz to 1 GHz, Vertical (Peak)

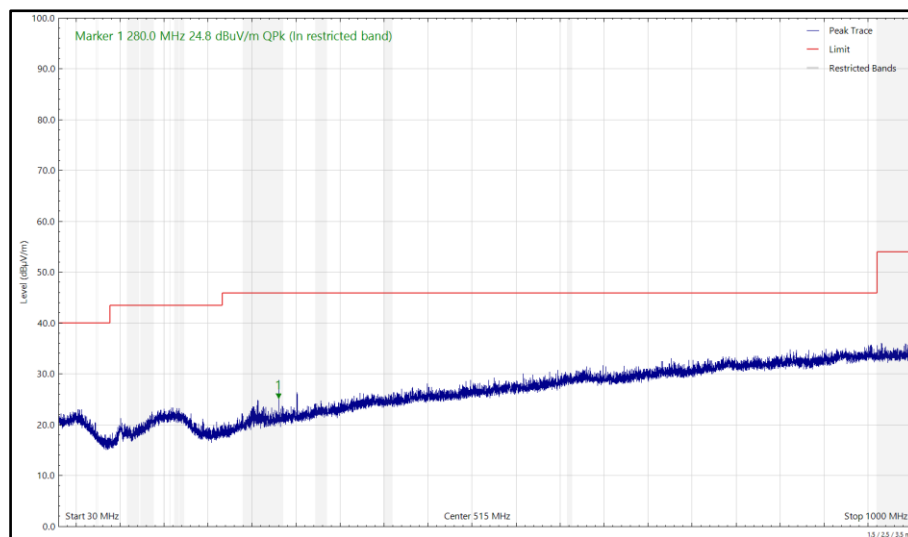


**Figure 81 – 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 0, 1 GHz to 40 GHz, Vertical**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Detector | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------------|----------------------|-------------|----------|-----------|-------------|--------------|
| 279.997         | 24.84                | 46.00                | -21.16      | Q-Peak   | 72        | 139         | Horizontal   |
| 2483.642        | 38.49                | 54.00                | -15.51      | RMS      | 49        | 368         | Vertical     |
| 4878.939        | 47.50                | 54.00                | -6.50       | RMS      | 3         | 291         | Vertical     |
| 4880.900        | 43.45                | 54.00                | -10.55      | RMS      | 68        | 400         | Horizontal   |
| 4881.260        | 57.94                | 74.00                | -16.06      | Peak     | 360       | 274         | Vertical     |
| 5457.330        | 58.19                | 74.00                | -15.81      | Peak     | 7         | 300         | Vertical     |
| 5458.104        | 41.31                | 54.00                | -12.69      | RMS      | 296       | 384         | Horizontal   |
| 5458.357        | 45.99                | 54.00                | -8.01       | RMS      | 360       | 293         | Vertical     |

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

No other emissions found within 6 dB of the limit.



**Figure 82 – 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 1, 30 MHz to 1 GHz, Horizontal (Peak)**

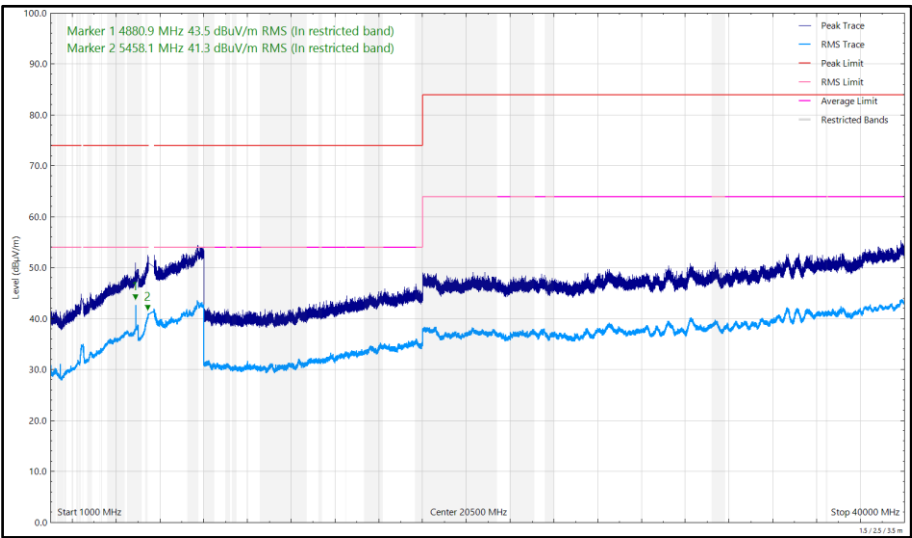


Figure 83 – 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 1, 1 GHz to 40 GHz, Horizontal

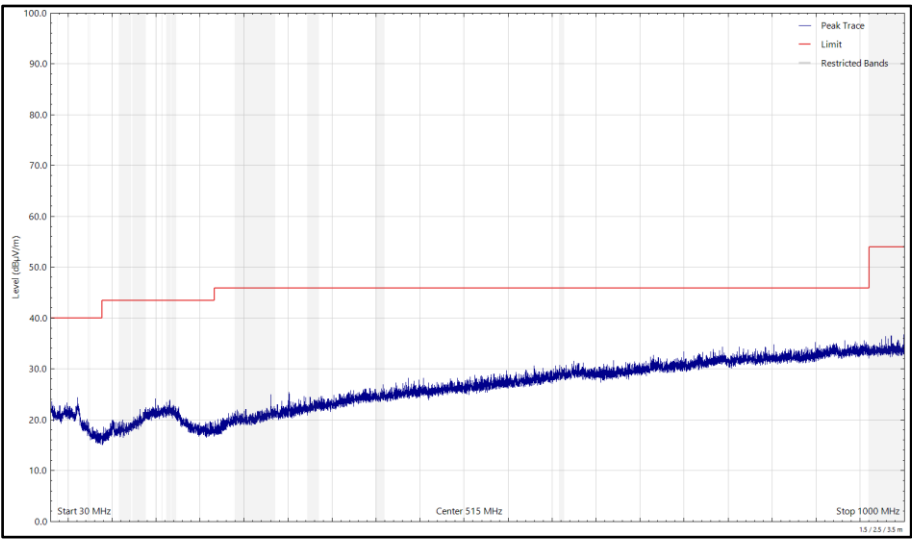


Figure 84 – 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 1, 30 MHz to 1 GHz, Vertical (Peak)

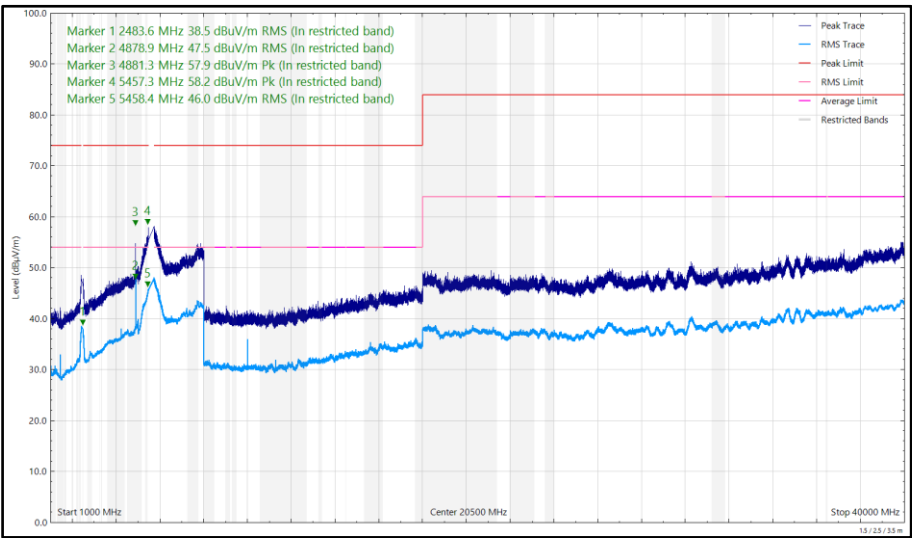


Figure 85 – 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 1, 1 GHz to 40 GHz, Vertical



| Frequency (MHz) | Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------|----------------|-------------|----------|-----------|-------------|--------------|
| 279.976         | 25.19          | 46.00          | -20.81      | Q-Peak   | 285       | 139         | Horizontal   |
| 4875.422        | 37.25          | 54.00          | -16.75      | RMS      | 171       | 388         | Horizontal   |
| 4880.900        | 46.45          | 54.00          | -7.55       | RMS      | 360       | 282         | Vertical     |
| 5456.047        | 45.91          | 54.00          | -8.09       | RMS      | 360       | 301         | Vertical     |
| 5456.873        | 57.76          | 74.00          | -16.24      | Peak     | 359       | 304         | Vertical     |
| 5459.056        | 41.09          | 54.00          | -12.91      | RMS      | 289       | 348         | Horizontal   |

Table 31 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, iPA, Core 2, 30 MHz to 40 GHz

No other emissions found within 6 dB of the limit.

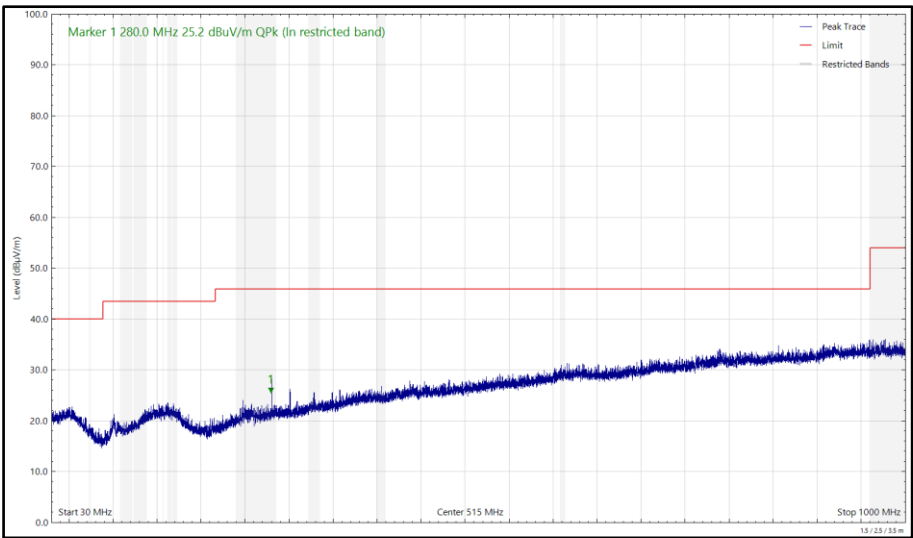


Figure 86 – 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, iPA, Core 2, 30 MHz to 1 GHz, Horizontal (Peak)

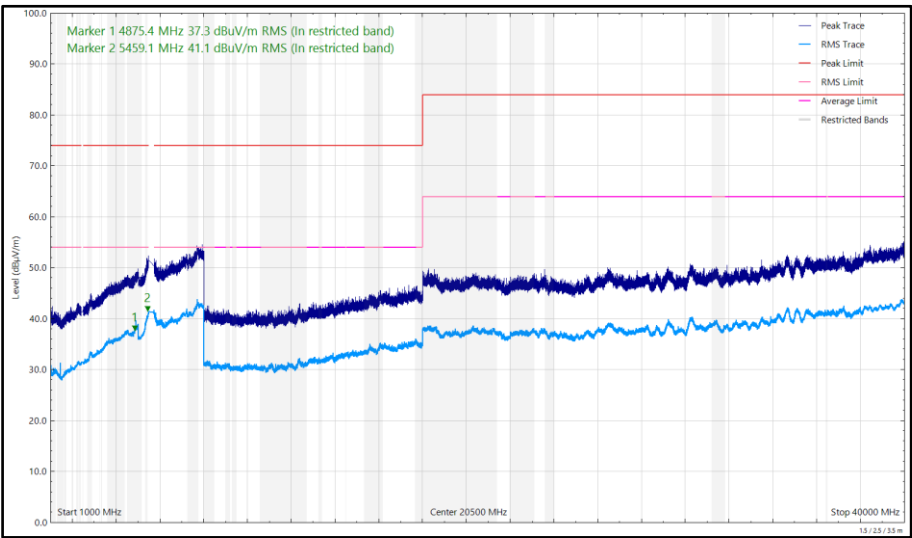


Figure 87 – 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, iPA, Core 2, 1 GHz to 40 GHz, Horizontal

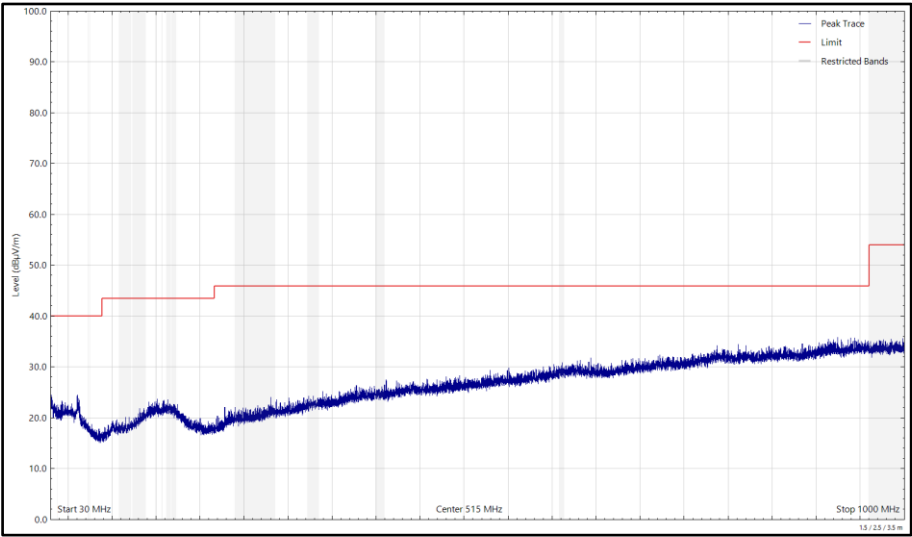
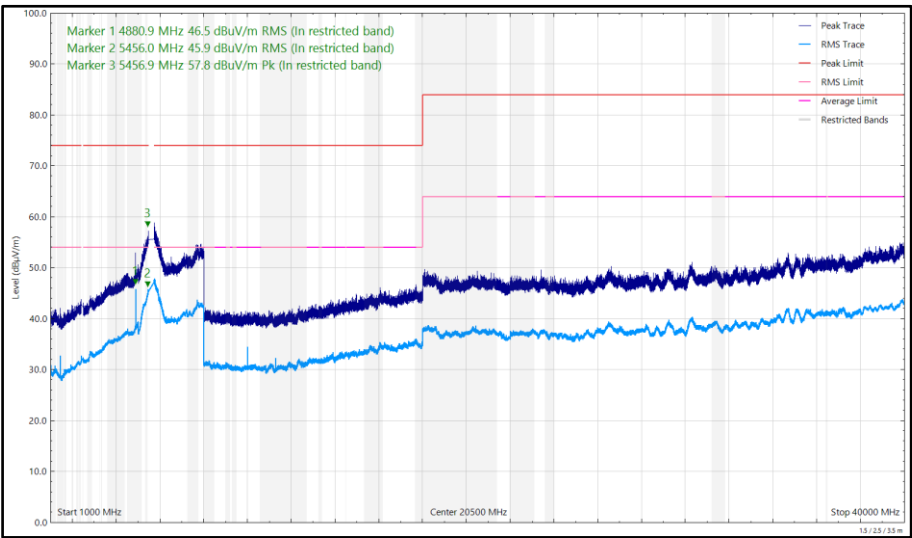


Figure 88 – 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, iPA, Core 2, 30 MHz to 1 GHz, Vertical (Peak)



**Figure 89 – 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, iPA, Core 2, 1 GHz to 40 GHz, Vertical**



| Frequency (MHz) | Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------|----------------|-------------|----------|-----------|-------------|--------------|
| 279.997         | 26.51          | 46.00          | -19.49      | Q-Peak   | 285       | 109         | Horizontal   |
| 2389.383        | 61.21          | 74.00          | -12.79      | Peak     | 0         | 344         | Vertical     |
| 2483.547        | 38.94          | 54.00          | -15.06      | RMS      | 5         | 351         | Vertical     |
| 2485.807        | 60.42          | 74.00          | -13.58      | Peak     | 28        | 348         | Vertical     |
| 4880.950        | 46.08          | 54.00          | -7.92       | RMS      | 333       | 280         | Vertical     |
| 4881.414        | 37.75          | 54.00          | -16.25      | RMS      | 102       | 295         | Horizontal   |
| 5454.906        | 56.27          | 74.00          | -17.73      | Peak     | 360       | 307         | Vertical     |
| 5456.745        | 44.08          | 54.00          | -9.92       | RMS      | 360       | 292         | Vertical     |
| 5457.059        | 39.80          | 54.00          | -14.20      | RMS      | 297       | 343         | Horizontal   |

Table 32 – 5785 MHz (CH157), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 0, 30 MHz to 40 GHz

No other emissions found within 6 dB of the limit.

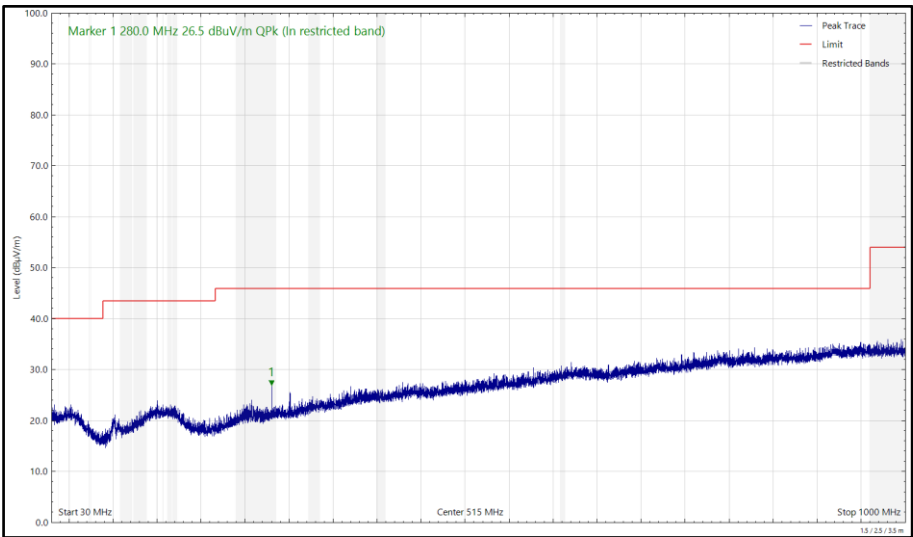


Figure 90 – 5785 MHz (CH157), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 0, 30 MHz to 1 GHz, Horizontal (Peak)

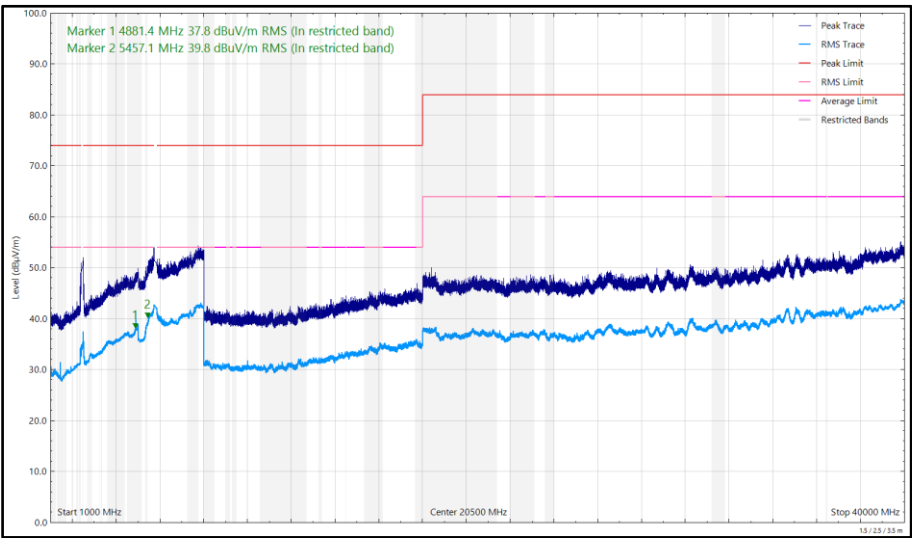


Figure 91 – 5785 MHz (CH157), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 0, 1 GHz to 40 GHz, Horizontal

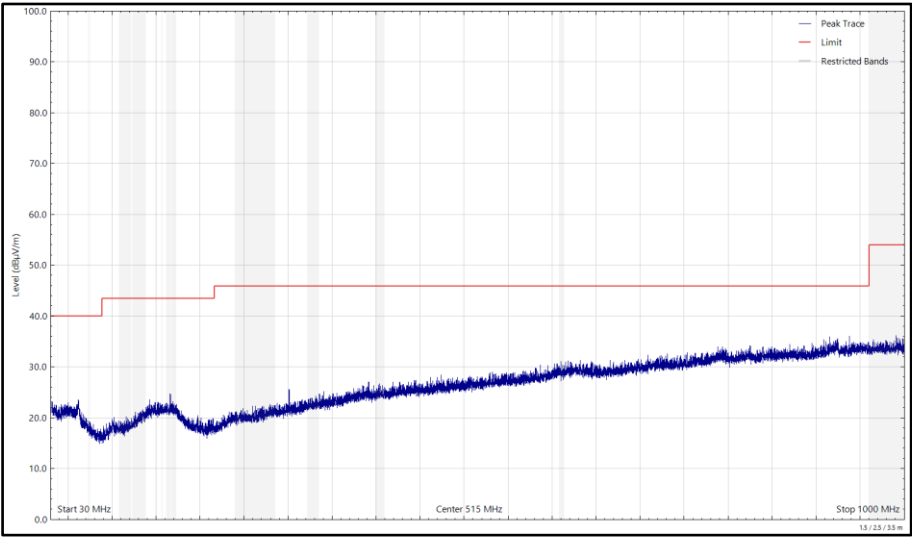
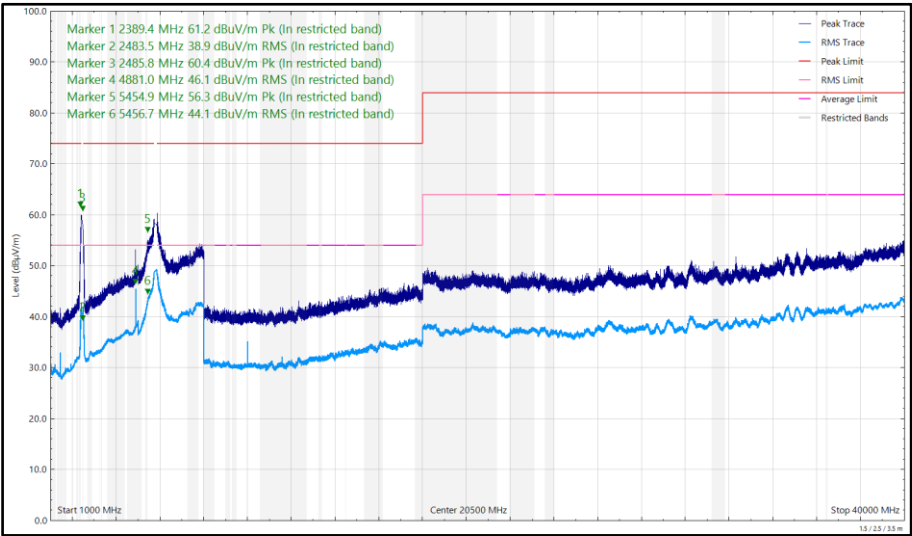


Figure 92 – 5785 MHz (CH157), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 0, 30 MHz to 1 GHz, Vertical (Peak)

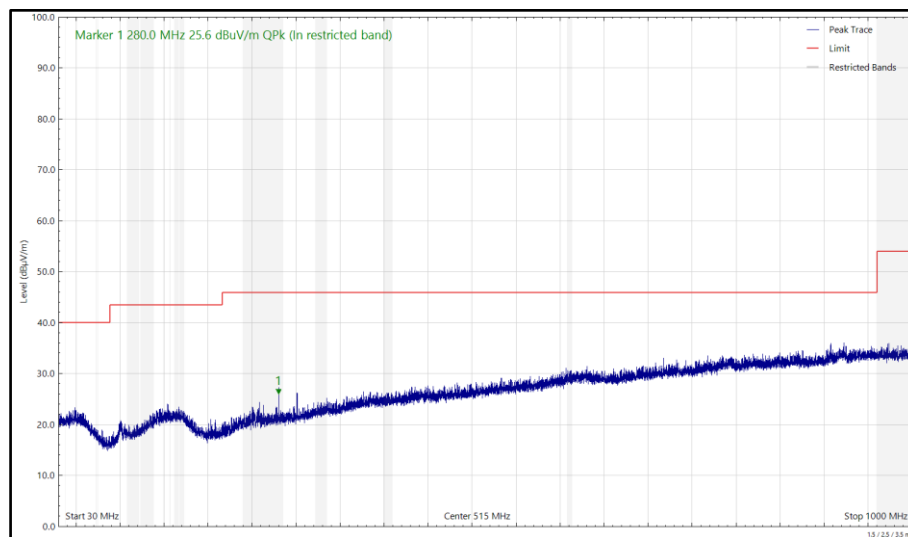


**Figure 93 – 5785 MHz (CH157), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 0, 1 GHz to 40 GHz, Vertical**

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Detector | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------------|----------------------|-------------|----------|-----------|-------------|--------------|
| 279.989         | 25.64                | 46.00                | -20.36      | Q-Peak   | 266       | 110         | Horizontal   |
| 2389.797        | 38.02                | 54.00                | -15.98      | RMS      | 52        | 392         | Vertical     |
| 2484.158        | 38.58                | 54.00                | -15.42      | RMS      | 48        | 400         | Vertical     |
| 4879.176        | 58.34                | 74.00                | -15.66      | Peak     | 360       | 282         | Vertical     |
| 4880.900        | 50.26                | 54.00                | -3.74       | RMS      | 7         | 291         | Vertical     |
| 4880.975        | 43.92                | 54.00                | -10.08      | RMS      | 63        | 400         | Horizontal   |
| 5453.641        | 43.98                | 54.00                | -10.02      | RMS      | 360       | 317         | Vertical     |
| 5455.896        | 56.22                | 74.00                | -17.78      | Peak     | 0         | 289         | Vertical     |
| 5455.902        | 39.21                | 54.00                | -14.79      | RMS      | 303       | 309         | Horizontal   |

**Table 33 – 5785 MHz (CH157), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 1, 30 MHz to 40 GHz**

No other emissions found within 6 dB of the limit.



**Figure 94 – 5785 MHz (CH157), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 1, 30 MHz to 1 GHz, Horizontal (Peak)**

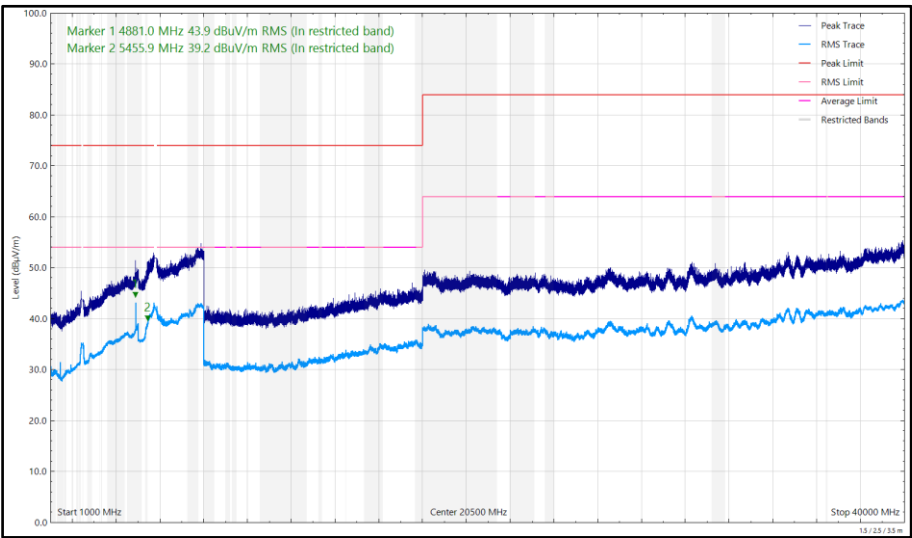


Figure 95 – 5785 MHz (CH157), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 1, 1 GHz to 40 GHz, Horizontal

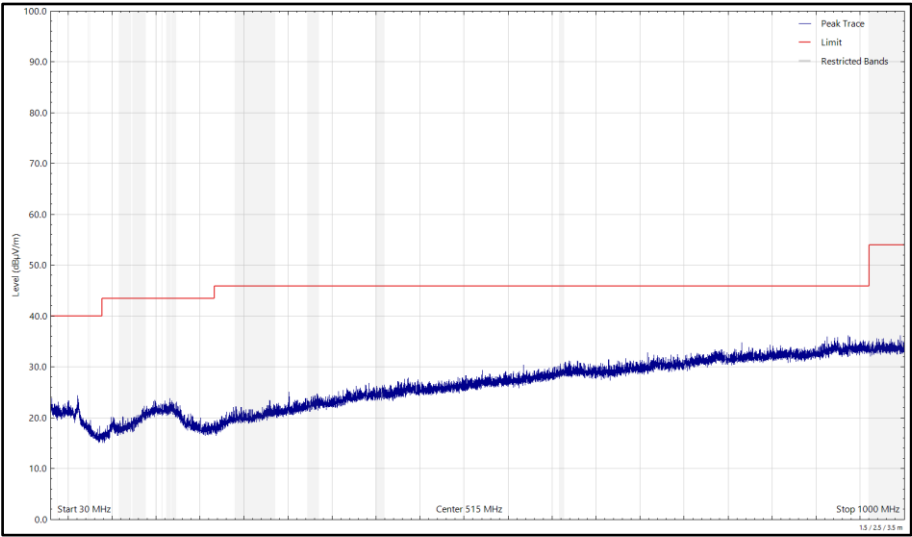
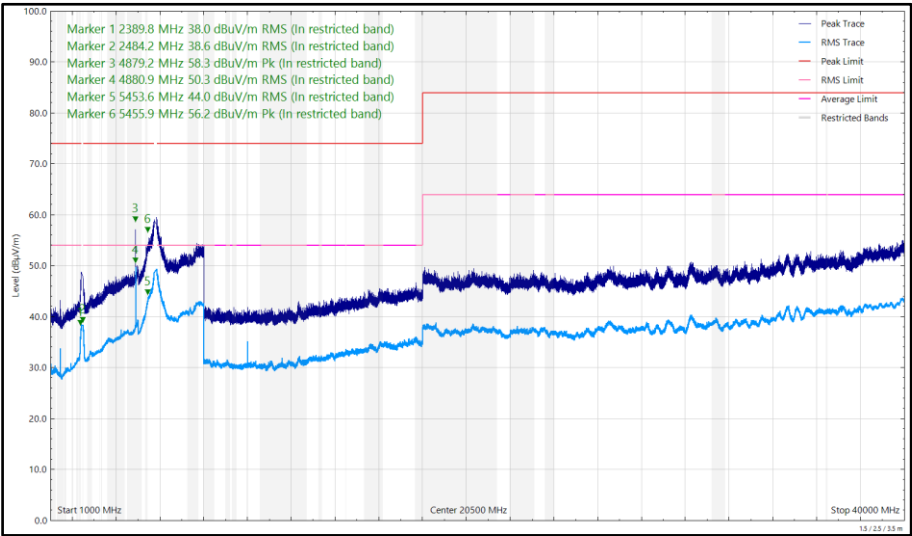


Figure 96 – 5785 MHz (CH157), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 1, 30 MHz to 1 GHz, Vertical (Peak)



**Figure 97 – 5785 MHz (CH157), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 1, 1 GHz to 40 GHz, Vertical**



| Frequency (MHz) | Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------|----------------|-------------|----------|-----------|-------------|--------------|
| 279.990         | 25.92          | 46.00          | -20.08      | Q-Peak   | 291       | 100         | Horizontal   |
| 4879.090        | 44.85          | 54.00          | -9.15       | RMS      | 357       | 262         | Vertical     |
| 4884.847        | 37.41          | 54.00          | -16.59      | RMS      | 272       | 103         | Horizontal   |
| 5444.832        | 55.80          | 74.00          | -18.20      | Peak     | 354       | 297         | Vertical     |
| 5447.990        | 39.81          | 54.00          | -14.19      | RMS      | 295       | 398         | Horizontal   |
| 5457.195        | 43.87          | 54.00          | -10.13      | RMS      | 357       | 297         | Vertical     |

Table 34 – 5785 MHz (CH157), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, iPA, Core 2, 30 MHz to 40 GHz

No other emissions found within 6 dB of the limit.

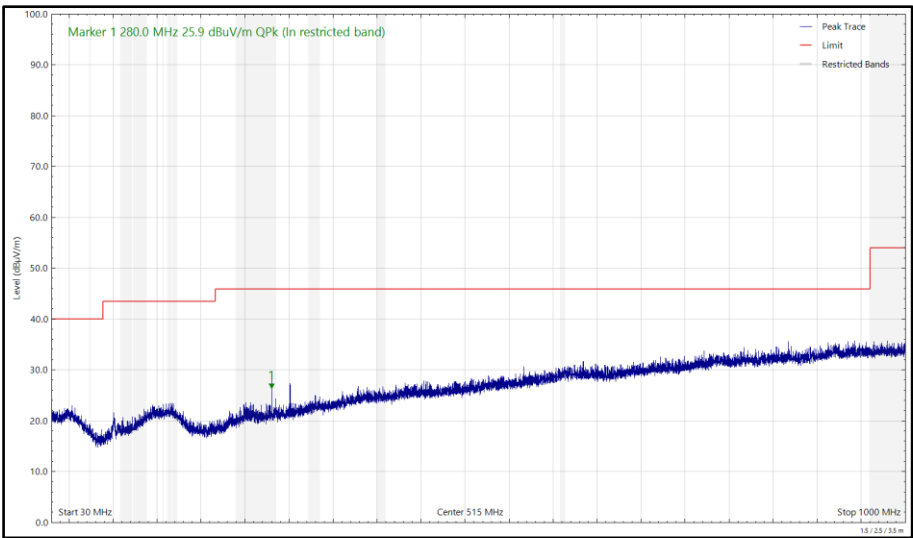
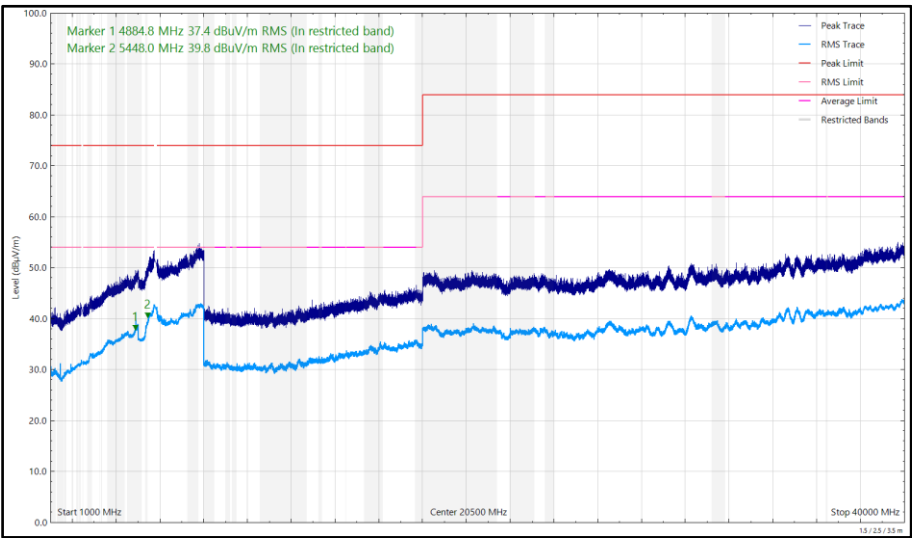
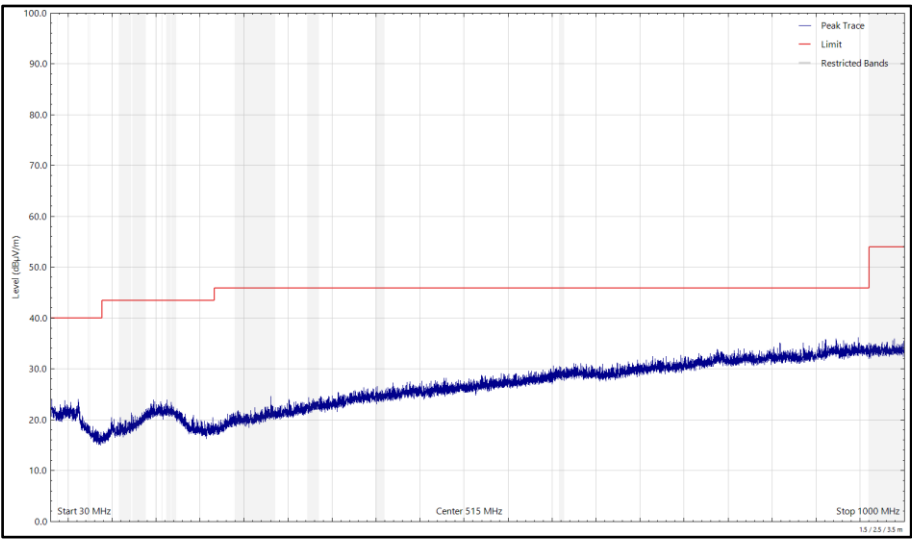


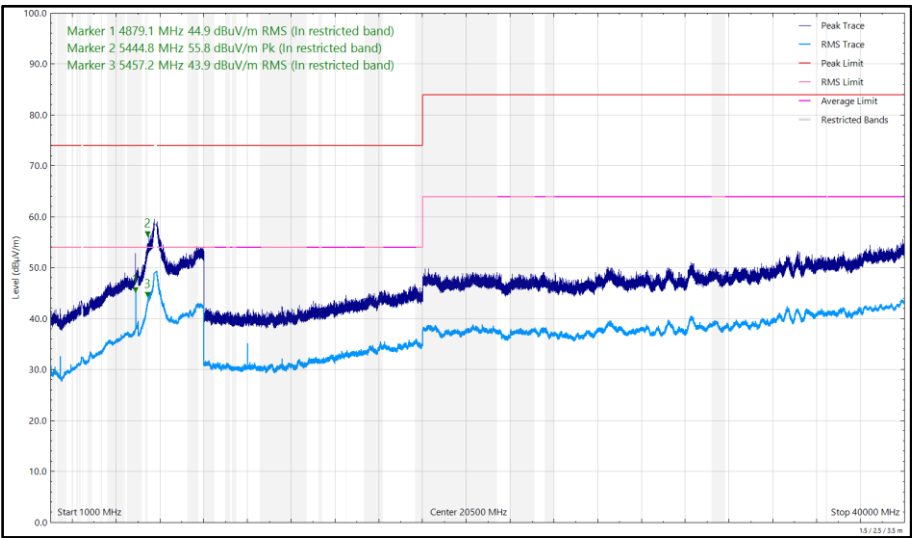
Figure 98 – 5785 MHz (CH157), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, iPA, Core 2, 30 MHz to 1 GHz, Horizontal (Peak)



**Figure 99 – 5785 MHz (CH157), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, iPA, Core 2, 1 GHz to 40 GHz, Horizontal**



**Figure 100 – 5785 MHz (CH157), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, iPA, Core 2, 30 MHz to 1 GHz, Vertical (Peak)**



**Figure 101 – 5785 MHz (CH157), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, iPA, Core 2, 1 GHz to 40 GHz, Vertical**

FCC 47 CFR Part 15, ISED RSS-247 and ISED RSS-GEN

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) / RSS-247<br>Clause 5.5 | -20 dBc                                                                   |
| Part 15.407 (b) / RSS-247<br>Clause 6.2 | -27 dBm e.i.r.p                                                           |
| Part 15.209 / RSS-GEN<br>Clause 8.9     | Peak: 74 dBμV/m at 3m, Average 54 dBμV/m at 3m (Restricted bands > 1 GHz) |

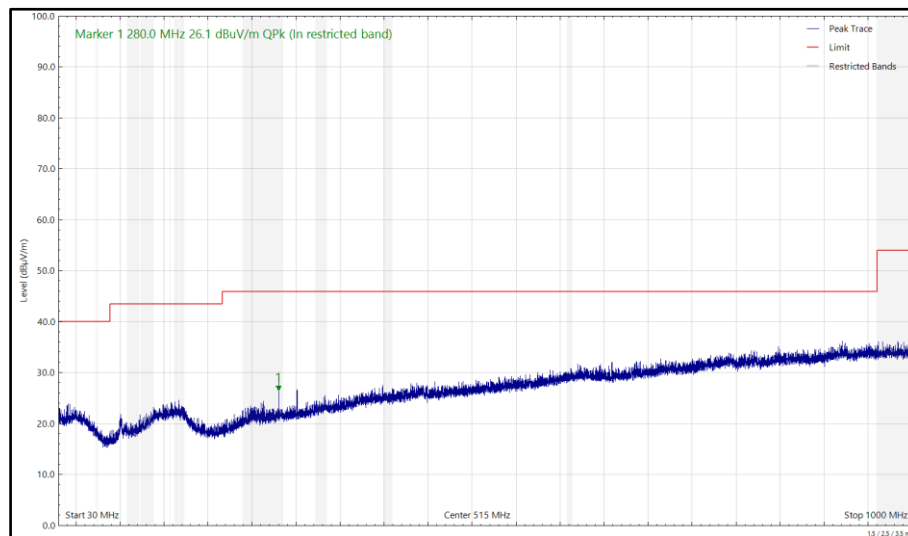
**Table 35**

## 6 GHz WLAN and Thread

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Detector | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------------|----------------------|-------------|----------|-----------|-------------|--------------|
| 279.995         | 26.11                | 46.00                | -19.89      | Q-Peak   | 293       | 104         | Horizontal   |
| 2389.734        | 60.53                | 74.00                | -13.47      | Peak     | 360       | 252         | Vertical     |
| 2483.772        | 59.70                | 74.00                | -14.30      | Peak     | 27        | 357         | Vertical     |
| 2484.840        | 34.15                | 54.00                | -19.85      | RMS      | 49        | 400         | Horizontal   |
| 4877.221        | 39.61                | 54.00                | -14.39      | RMS      | 10        | 390         | Vertical     |
| 5453.976        | 40.51                | 54.00                | -13.49      | RMS      | 7         | 325         | Vertical     |
| 5455.190        | 36.11                | 54.00                | -17.89      | RMS      | 13        | 397         | Horizontal   |
| 7319.186        | 43.10                | 54.00                | -10.90      | RMS      | 350       | 208         | Vertical     |
| 8233.300        | 39.26                | 54.00                | -14.74      | RMS      | 60        | 269         | Vertical     |
| 8233.350        | 31.77                | 54.00                | -22.23      | RMS      | 101       | 211         | Horizontal   |

**Table 36 – 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 0, 30 MHz to 40 GHz**

No other emissions found within 6 dB of the limit.



**Figure 102 – 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 0, 30 MHz to 1 GHz, Horizontal (Peak)**

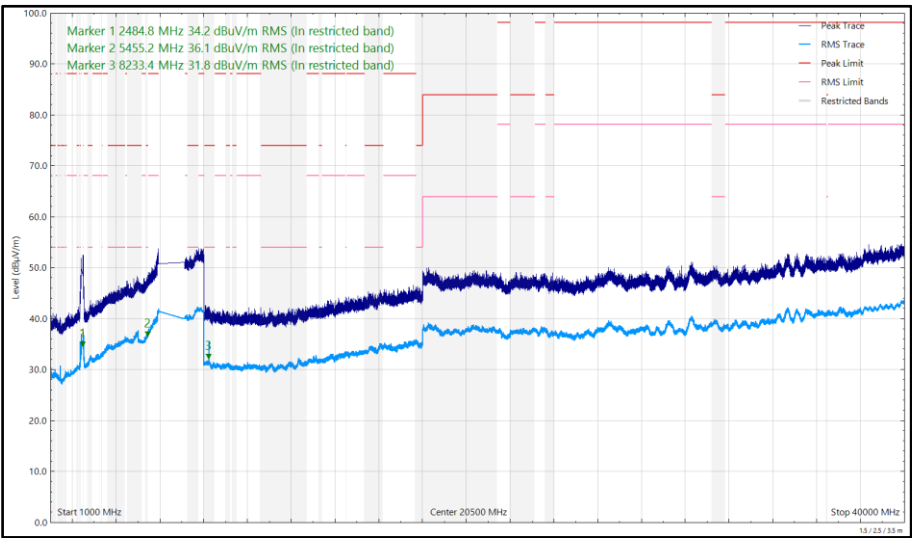


Figure 103 – 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 0, 1 GHz to 40 GHz, Horizontal

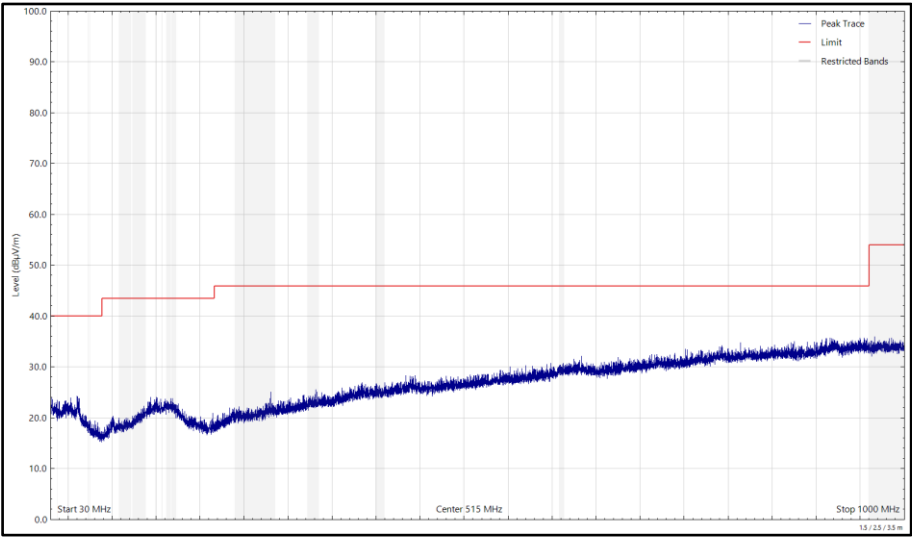


Figure 104 – 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 0, 30 MHz to 1 GHz, Vertical (Peak)

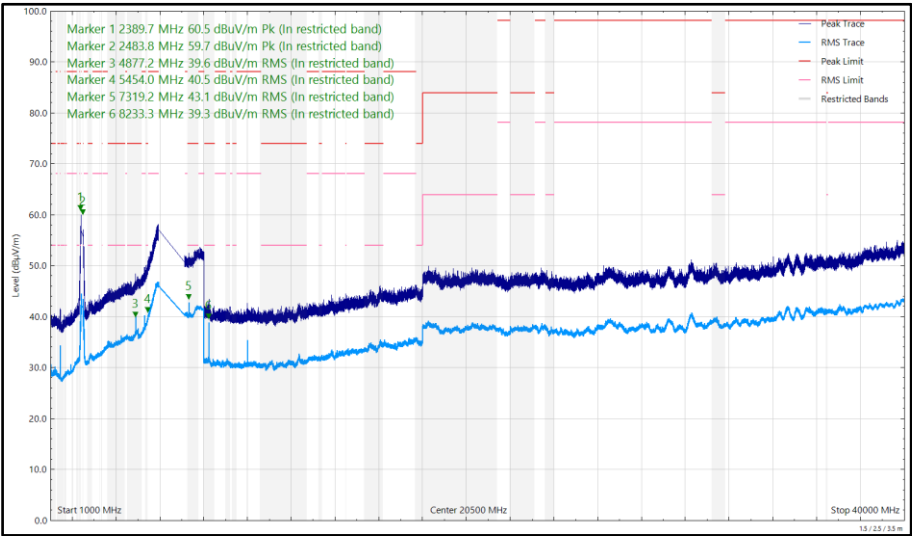


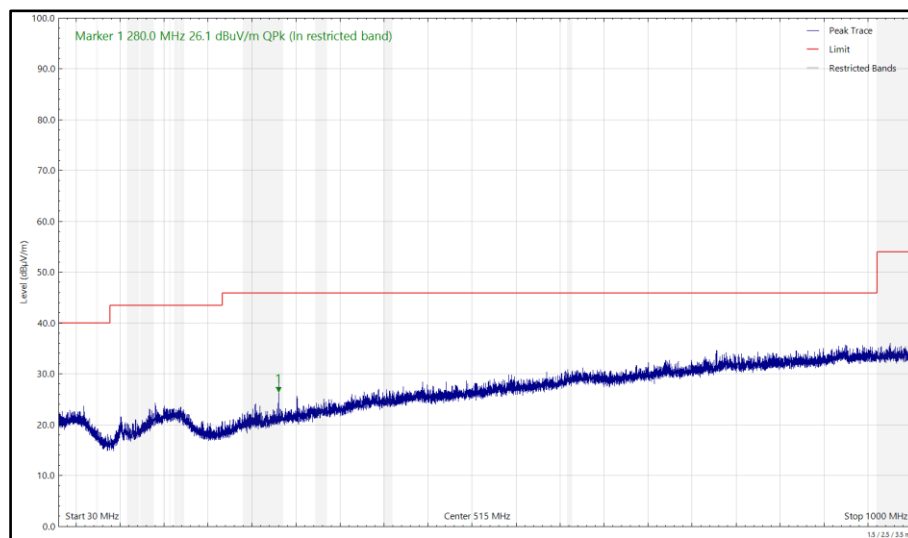
Figure 105 – 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 0, 1 GHz to 40 GHz, Vertical



| Frequency (MHz) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------|----------------|-------------|----------|-----------|-------------|--------------|
| 280.014         | 26.06          | 46.00          | -19.94      | Q-Peak   | 289       | 105         | Horizontal   |
| 2483.758        | 38.59          | 54.00          | -15.41      | RMS      | 49        | 369         | Vertical     |
| 4879.149        | 41.72          | 54.00          | -12.28      | RMS      | 0         | 284         | Vertical     |
| 4880.724        | 37.07          | 54.00          | -16.93      | RMS      | 117       | 378         | Horizontal   |
| 5450.829        | 40.05          | 54.00          | -13.95      | RMS      | 354       | 310         | Vertical     |
| 7321.350        | 56.72          | 74.00          | -17.28      | Peak     | 48        | 252         | Vertical     |
| 7321.377        | 44.71          | 54.00          | -9.29       | RMS      | 73        | 393         | Horizontal   |
| 7321.440        | 47.59          | 54.00          | -6.41       | RMS      | 55        | 244         | Vertical     |
| 8233.250        | 36.33          | 54.00          | -17.67      | RMS      | 100       | 319         | Horizontal   |
| 8233.300        | 39.39          | 54.00          | -14.61      | RMS      | 61        | 264         | Vertical     |

**Table 37 – 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 1, 30 MHz to 40 GHz**

No other emissions found within 6 dB of the limit.



**Figure 106 – 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 1, 30 MHz to 1 GHz, Horizontal (Peak)**

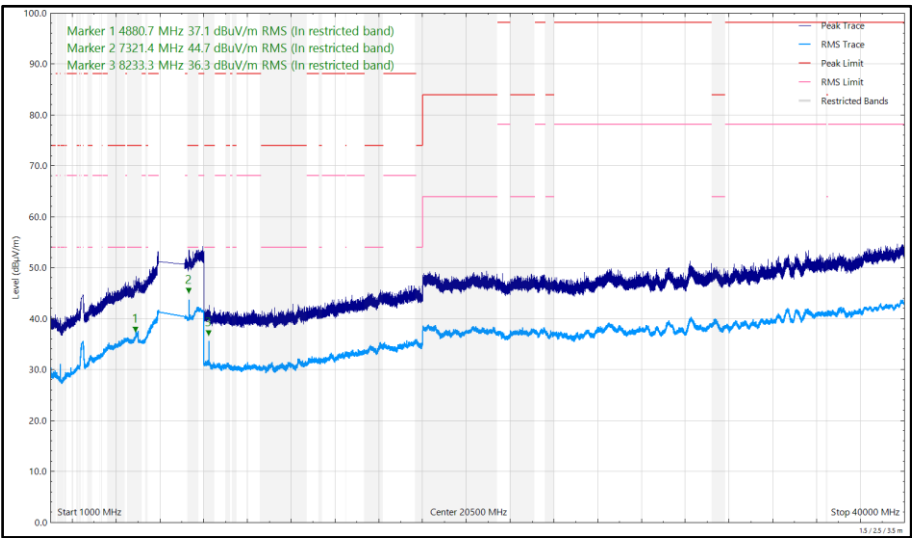


Figure 107 – 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 1, 1 GHz to 40 GHz, Horizontal

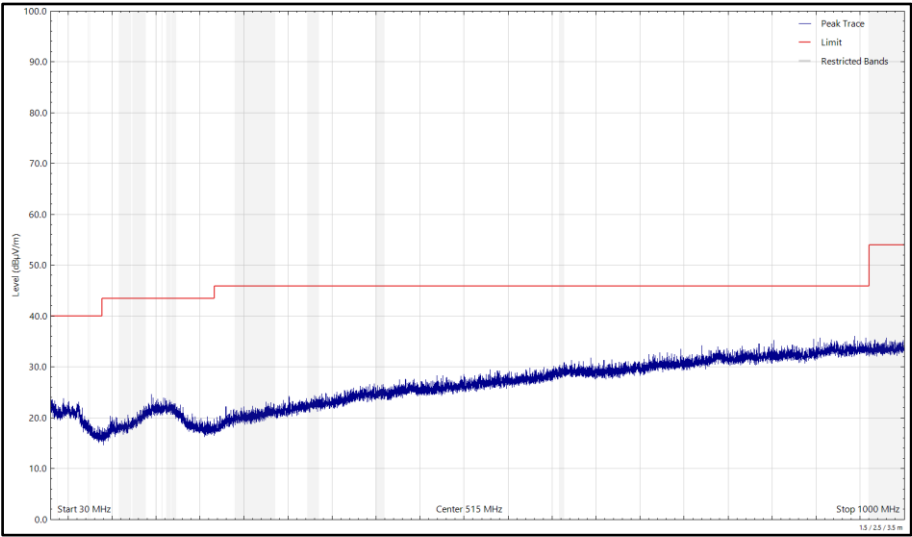


Figure 108 – 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 1, 30 MHz to 1 GHz, Vertical (Peak)

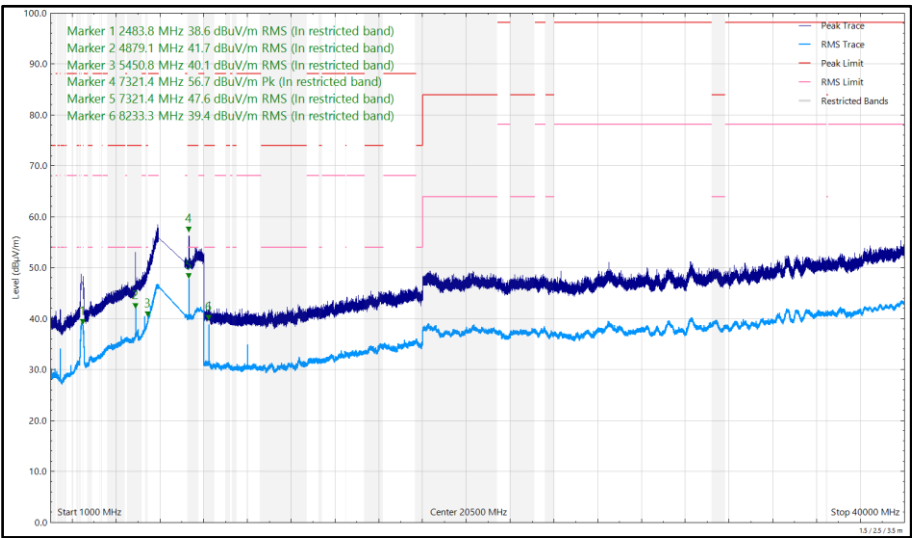
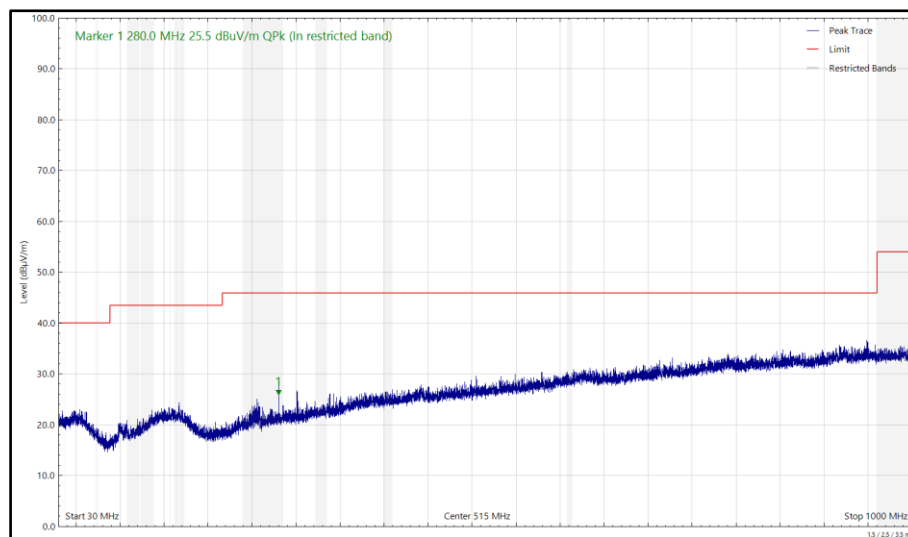


Figure 109 – 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 1, 1 GHz to 40 GHz, Vertical

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Detector | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------------|----------------------|-------------|----------|-----------|-------------|--------------|
| 279.996         | 25.46                | 46.00                | -20.54      | Q-Peak   | 265       | 145         | Horizontal   |
| 4878.961        | 35.64                | 54.00                | -18.36      | RMS      | 262       | 364         | Horizontal   |
| 4880.987        | 43.10                | 54.00                | -10.90      | RMS      | 9         | 295         | Vertical     |
| 5455.718        | 40.27                | 54.00                | -13.73      | RMS      | 360       | 307         | Vertical     |
| 5458.078        | 36.63                | 54.00                | -17.37      | RMS      | 313       | 353         | Horizontal   |
| 7321.539        | 40.60                | 54.00                | -13.40      | RMS      | 68        | 276         | Vertical     |
| 8233.300        | 39.28                | 54.00                | -14.72      | RMS      | 59        | 256         | Vertical     |
| 8233.300        | 36.30                | 54.00                | -17.70      | RMS      | 99        | 318         | Horizontal   |

**Table 38 – 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, iPA, Core 2, 30 MHz to 40 GHz**

No other emissions found within 6 dB of the limit.



**Figure 110 – 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, iPA, Core 2, 30 MHz to 1 GHz, Horizontal (Peak)**

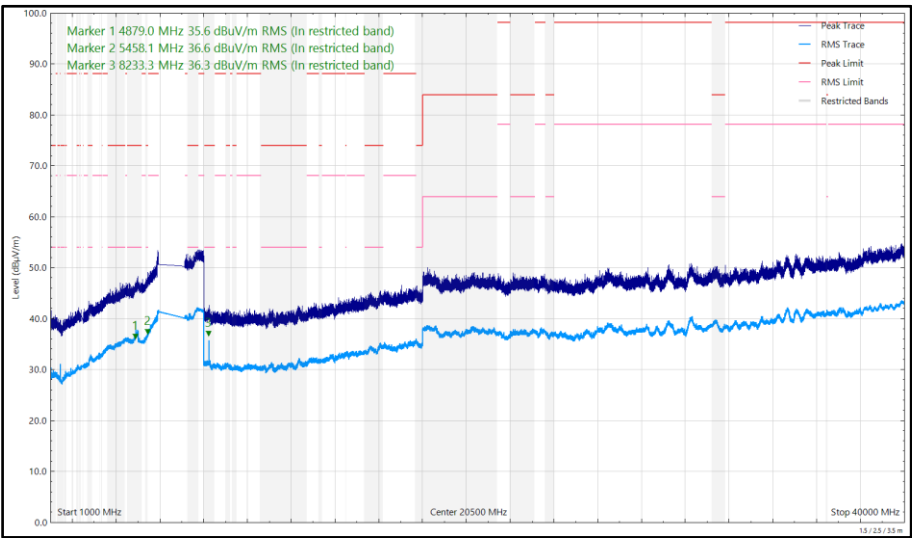


Figure 111 – 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, iPA, Core 2, 1 GHz to 40 GHz, Horizontal

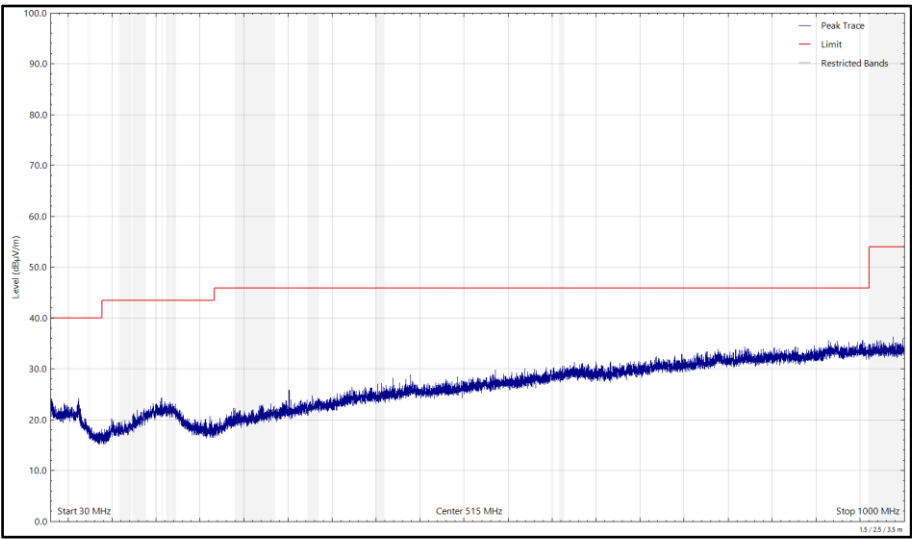


Figure 112 – 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, iPA, Core 2, 30 MHz to 1 GHz, Vertical (Peak)

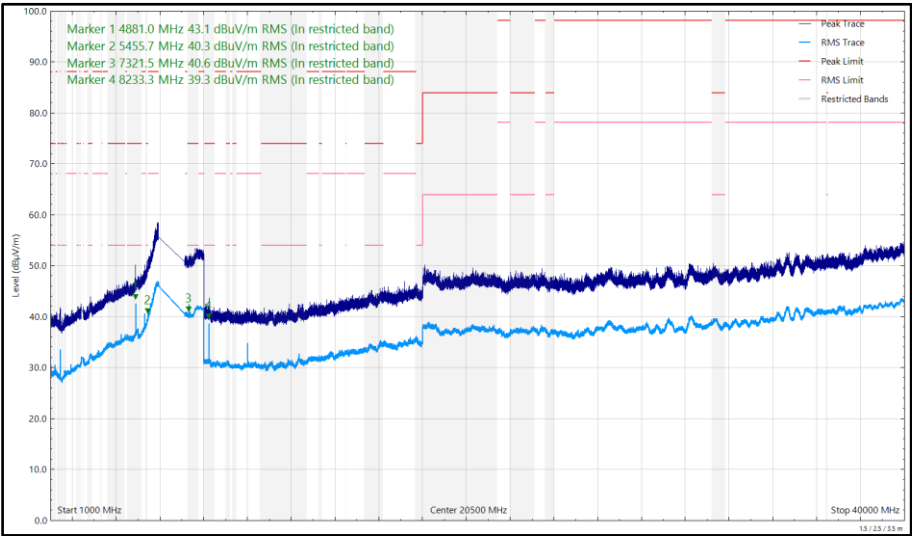
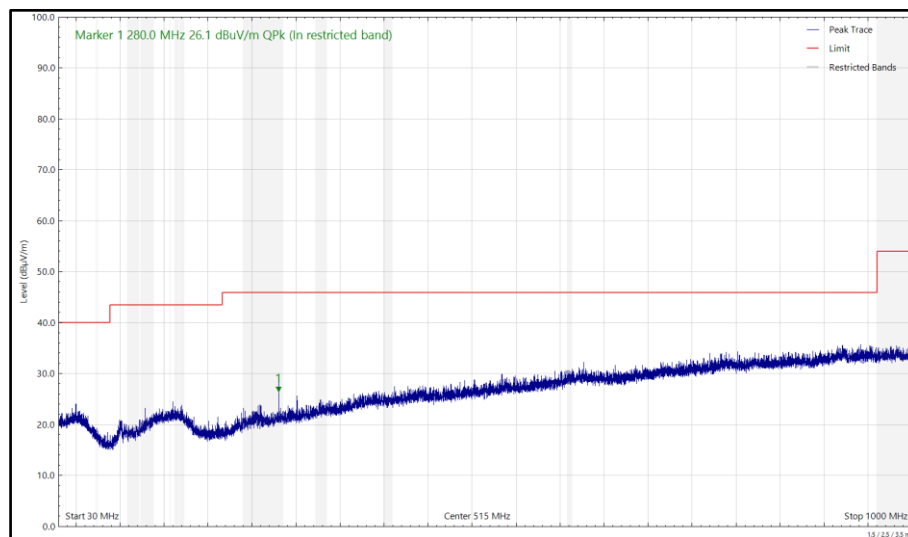


Figure 113 – 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, iPA, Core 2, 1 GHz to 40 GHz, Vertical

| Frequency (MHz) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------|----------------|-------------|----------|-----------|-------------|--------------|
| 280.019         | 26.11          | 46.00          | -19.89      | Q-Peak   | 279       | 120         | Horizontal   |
| 2384.455        | 61.86          | 74.00          | -12.14      | Peak     | 0         | 257         | Vertical     |
| 2389.075        | 39.00          | 54.00          | -15.00      | RMS      | 3         | 260         | Vertical     |
| 2483.613        | 39.09          | 54.00          | -14.91      | RMS      | 28        | 276         | Vertical     |
| 2483.871        | 60.27          | 74.00          | -13.73      | Peak     | 1         | 310         | Vertical     |
| 2485.299        | 35.10          | 54.00          | -18.90      | RMS      | 59        | 390         | Horizontal   |
| 4881.076        | 42.55          | 54.00          | -11.45      | RMS      | 5         | 288         | Vertical     |
| 7321.220        | 40.75          | 54.00          | -13.25      | RMS      | 118       | 364         | Horizontal   |
| 7321.297        | 46.09          | 54.00          | -7.91       | RMS      | 348       | 271         | Vertical     |

**Table 39 – 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 0, 30 MHz to 40 GHz**

No other emissions found within 6 dB of the limit.



**Figure 114 – 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 0, 30 MHz to 1 GHz, Horizontal (Peak)**

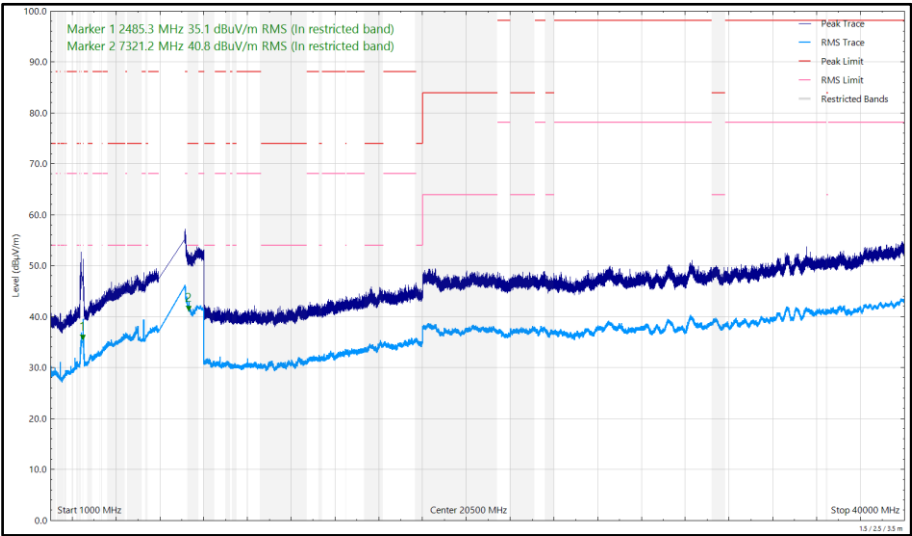


Figure 115 – 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 0, 1 GHz to 40 GHz, Horizontal

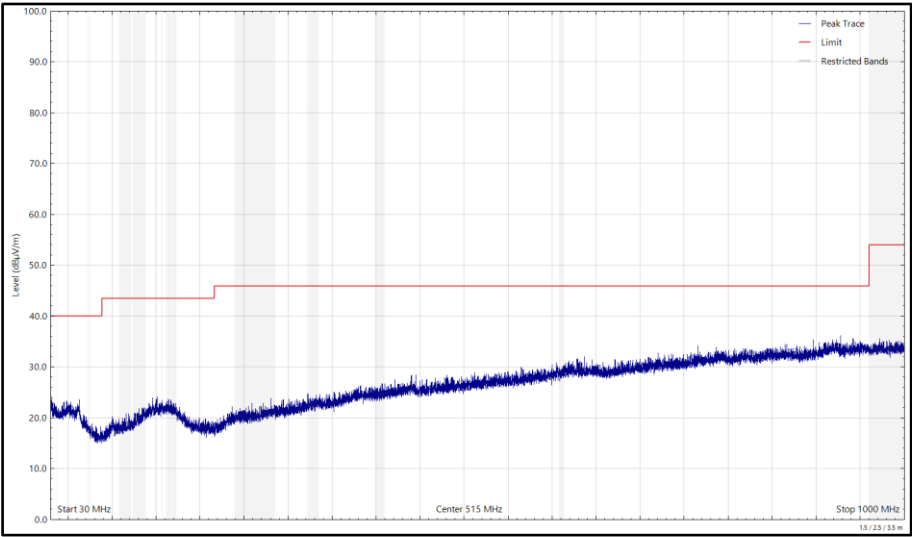
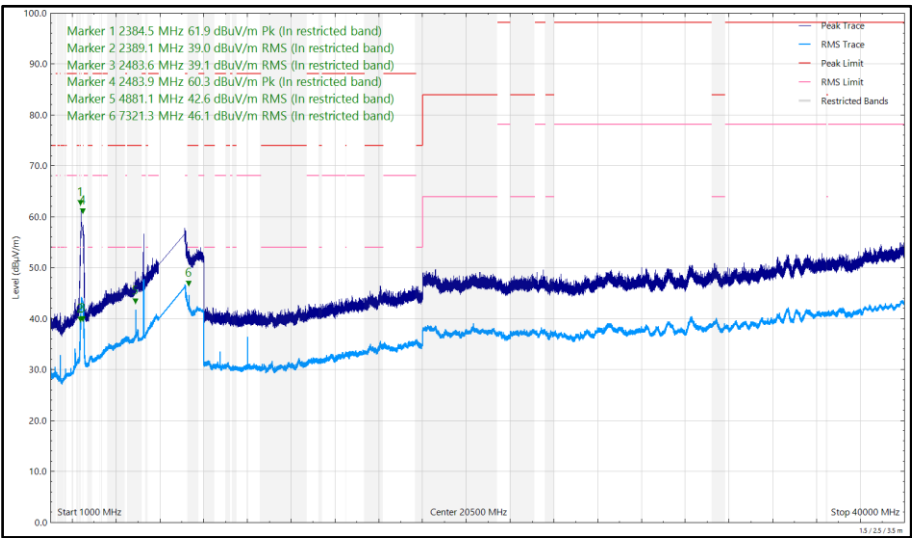


Figure 116 – 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 0, 30 MHz to 1 GHz, Vertical (Peak)



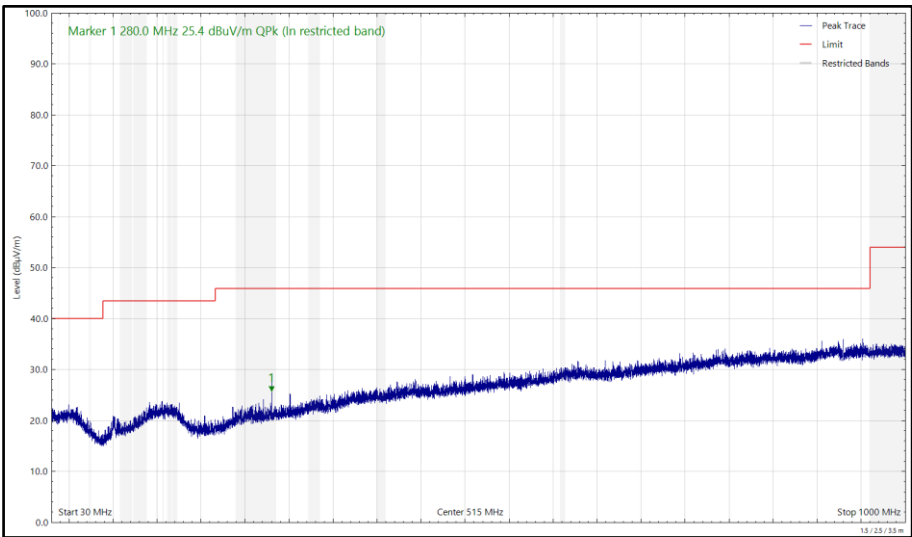
**Figure 117 – 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 0, 1 GHz to 40 GHz, Vertical**



| Frequency (MHz) | Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------|----------------|-------------|----------|-----------|-------------|--------------|
| 280.023         | 25.35          | 46.00          | -20.65      | Q-Peak   | 293       | 100         | Horizontal   |
| 2389.690        | 37.89          | 54.00          | -16.11      | RMS      | 46        | 400         | Vertical     |
| 2483.645        | 37.62          | 54.00          | -16.38      | RMS      | 53        | 388         | Vertical     |
| 4878.914        | 40.84          | 54.00          | -13.16      | RMS      | 359       | 283         | Vertical     |
| 4879.051        | 38.58          | 54.00          | -15.42      | RMS      | 64        | 397         | Horizontal   |
| 5454.289        | 38.11          | 54.00          | -15.89      | RMS      | 7         | 320         | Vertical     |
| 7321.300        | 45.39          | 54.00          | -8.61       | RMS      | 75        | 394         | Horizontal   |
| 7321.360        | 57.88          | 74.00          | -16.12      | Peak     | 55        | 251         | Vertical     |
| 7321.450        | 48.41          | 54.00          | -5.59       | RMS      | 56        | 262         | Vertical     |

**Table 40 – 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 1, 30 MHz to 40 GHz**

No other emissions found within 6 dB of the limit.



**Figure 118 – 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 1, 30 MHz to 1 GHz, Horizontal (Peak)**