

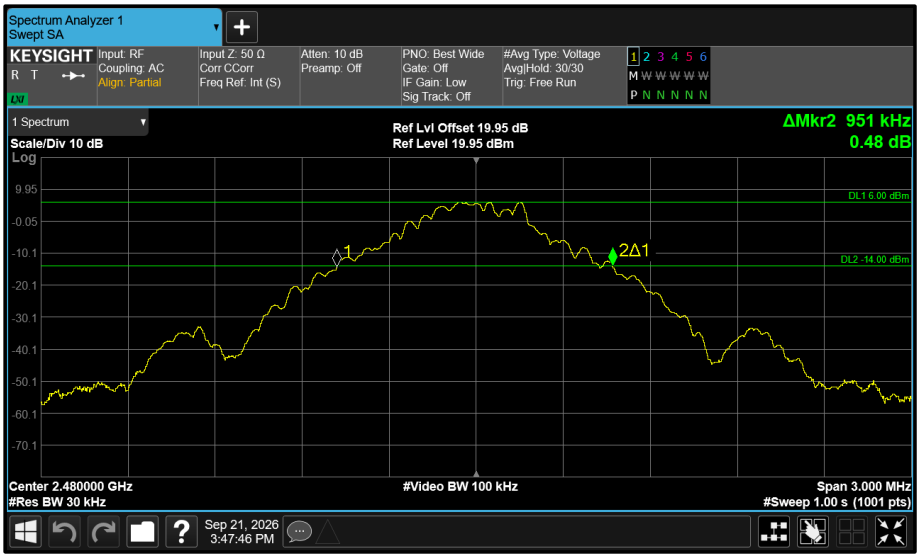


Figure 68 - Core 1 (B) 2480 MHz (CH78) 20 dB Bandwidth



| Test Configuration       |                 |                 |                              |
|--------------------------|-----------------|-----------------|------------------------------|
| Frequency Range:         | 2400-2483.5 MHz | Band:           | 2.4 GHz                      |
| Limit Clause(s):         | -               | Test Method(s): | C63.10 6.9.3<br>C63.10 6.9.2 |
| Additional Reference(s): | -               |                 |                              |

| DUT Configuration      |                                 |                          |   |
|------------------------|---------------------------------|--------------------------|---|
| Mode:                  | FCC+ISED C ePA Core 0 BDR (DH5) | Duty Cycle (%):          | - |
| Antenna Configuration: | SISO                            | DCCF (dB):               | - |
| Active Port(s):        | A (Core 0)                      | Peak Antenna Gain (dBi): | - |

| Test Frequency<br>(MHz) | 20 dB Bandwidth (MHz) |   |   |   |
|-------------------------|-----------------------|---|---|---|
|                         | A                     | B | C | D |
| 2402                    | 0.951                 | - | - | - |
| 2441                    | 0.951                 | - | - | - |
| 2480                    | 0.948                 | - | - | - |

Table 48 - 20 dB Bandwidth Results

| Test Frequency<br>(MHz) | 99% Bandwidth (MHz) |   |   |   | Limit<br>(kHz) |
|-------------------------|---------------------|---|---|---|----------------|
|                         | A                   | B | C | D |                |
| 2402                    | 0.825               | - | - | - | -              |
| 2441                    | 0.828               | - | - | - | -              |
| 2480                    | 0.825               | - | - | - | -              |

Table 49 - 99% Bandwidth Results

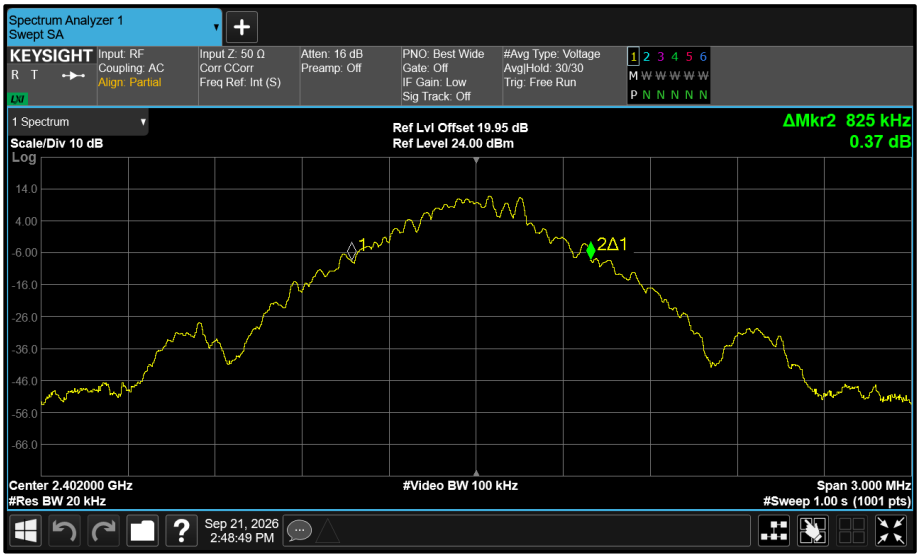


Figure 69 - Core 0 (A) 2402 MHz (CH0) 99% Bandwidth

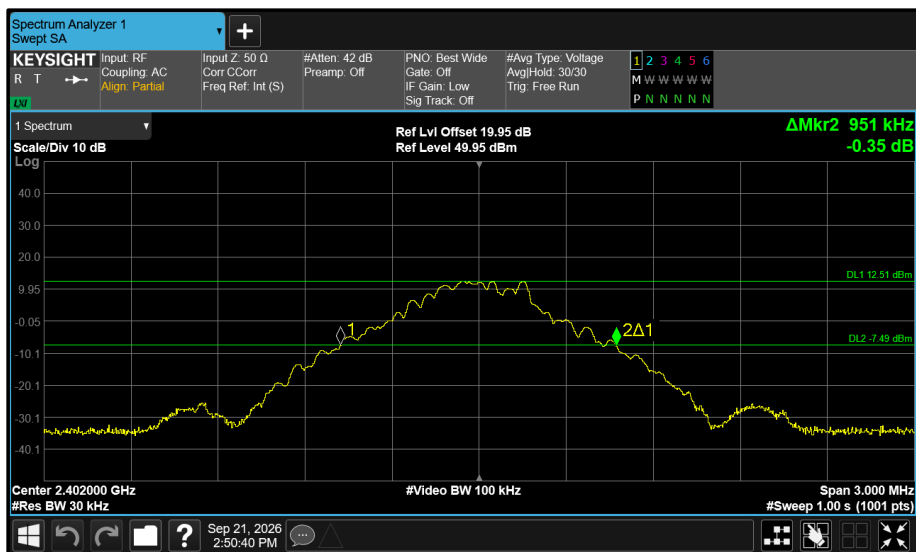


Figure 70 - Core 0 (A) 2402 MHz (CH0) 20 dB Bandwidth

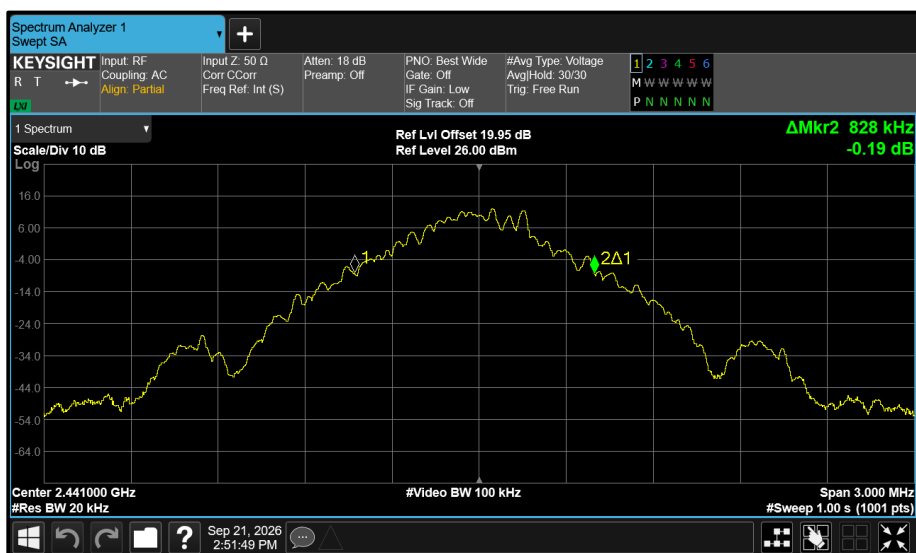


Figure 71 - Core 0 (A) 2441 MHz (CH39) 99% Bandwidth

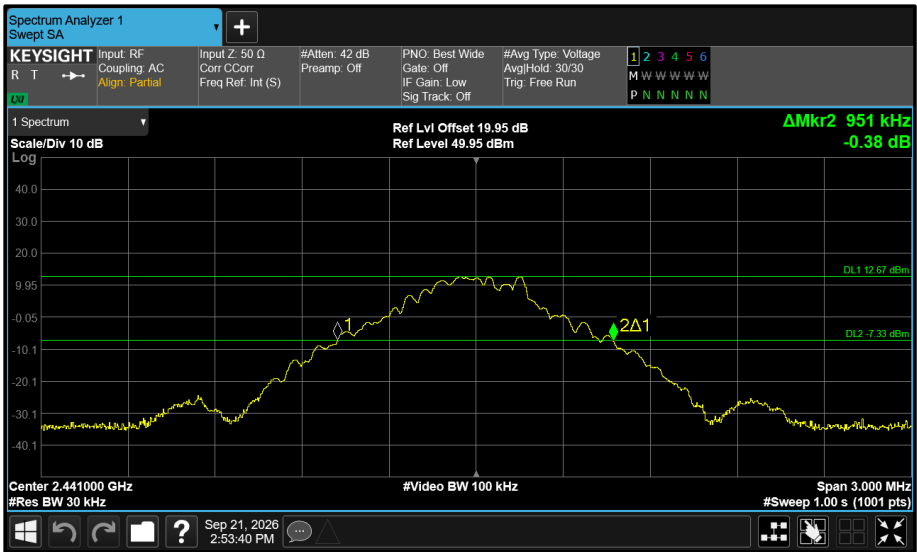


Figure 72 - Core 0 (A) 2441 MHz (CH39) 20 dB Bandwidth

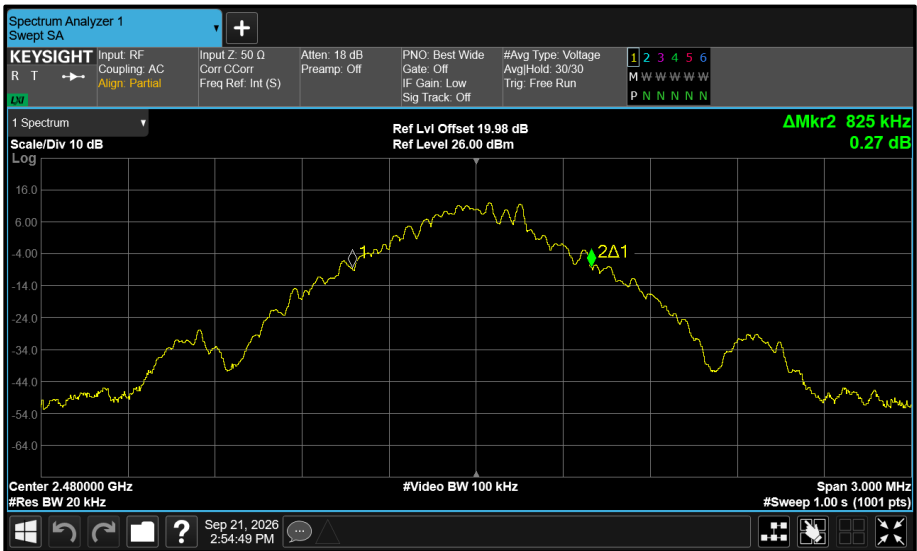


Figure 73 - Core 0 (A) 2480 MHz (CH78) 99% Bandwidth

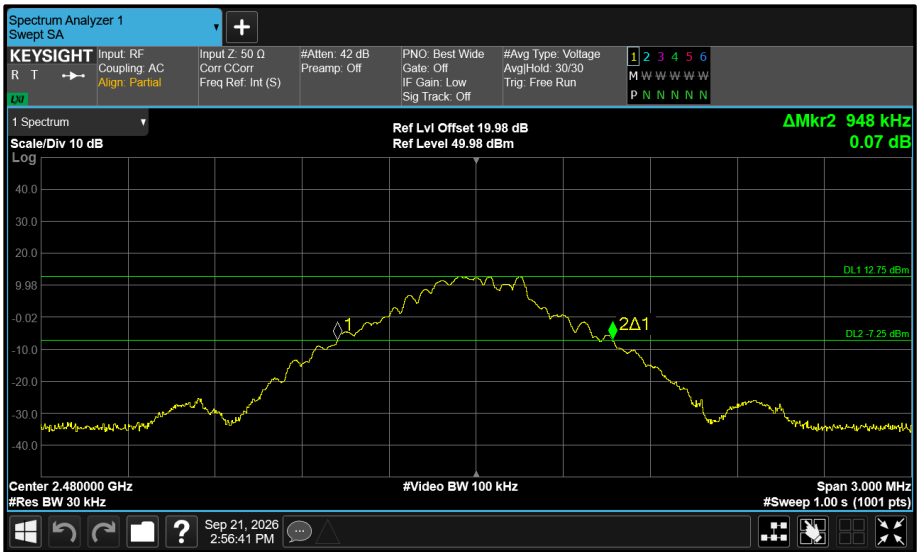


Figure 74 - Core 0 (A) 2480 MHz (CH78) 20 dB Bandwidth



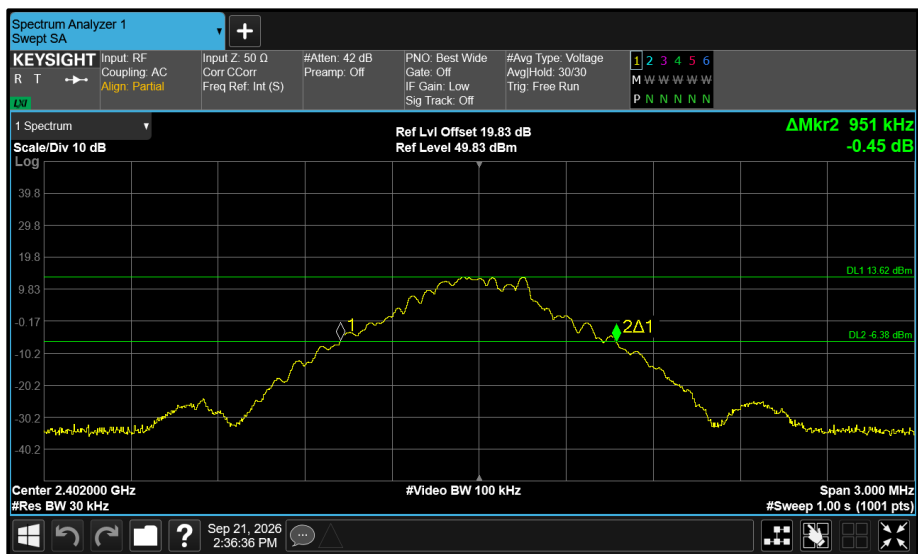


Figure 76 - Core 1 (B) 2402 MHz (CH0) 20 dB Bandwidth

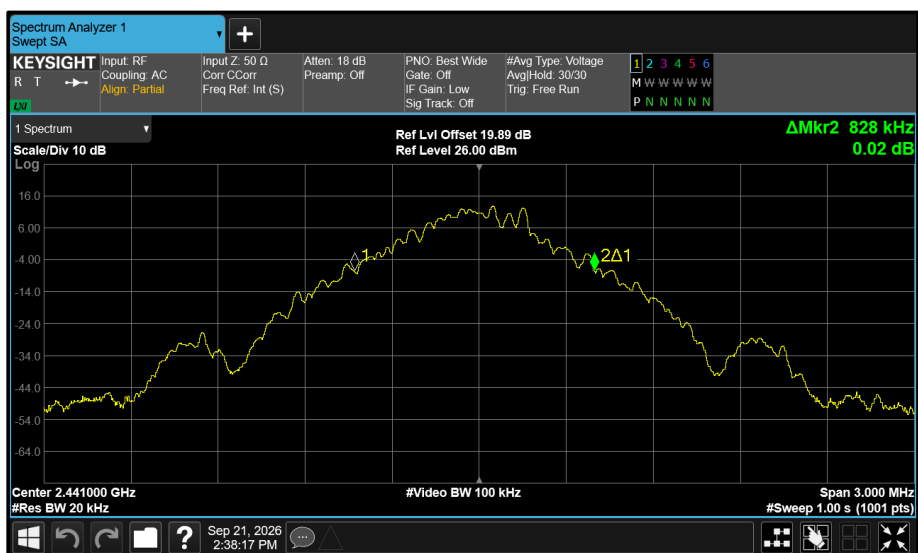


Figure 77 - Core 1 (B) 2441 MHz (CH39) 99% Bandwidth

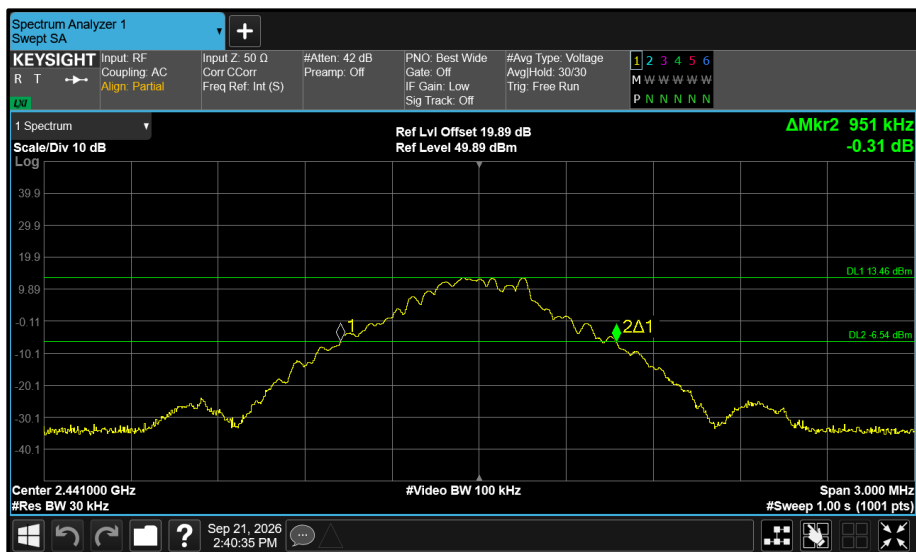


Figure 78 - Core 1 (B) 2441 MHz (CH39) 20 dB Bandwidth

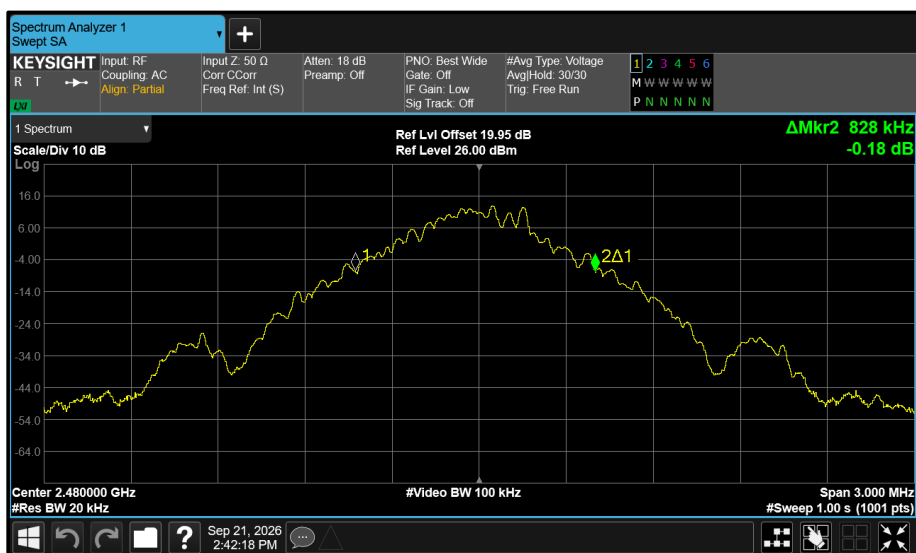


Figure 79 - Core 1 (B) 2480 MHz (CH78) 99% Bandwidth

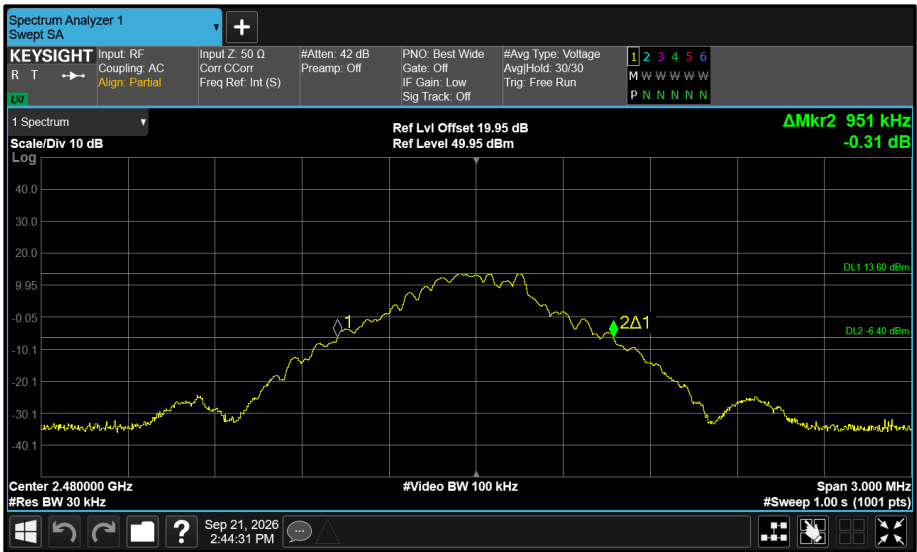


Figure 80 - Core 1 (B) 2480 MHz (CH78) 20 dB Bandwidth



| Test Configuration       |                                                                                                               |                 |                              |
|--------------------------|---------------------------------------------------------------------------------------------------------------|-----------------|------------------------------|
| Frequency Range:         | 2400-2483.5 MHz                                                                                               | Band:           | 2.4 GHz                      |
| Limit Clause(s):         | -                                                                                                             | Test Method(s): | C63.10 6.9.3<br>C63.10 6.9.2 |
| Additional Reference(s): | -                                                                                                             |                 |                              |
| Note(s):                 | TxBF cores were tested independently whilst transmitting at the cores respective powers and summed after test |                 |                              |

| DUT Configuration      |                          |                          |   |
|------------------------|--------------------------|--------------------------|---|
| Mode:                  | FCC+ISED C ePA BDR (DH5) | Duty Cycle (%):          | - |
| Antenna Configuration: | Beamforming              | DCCF (dB):               | - |
| Active Port(s):        | A+B (Core 0+Core 1)      | Peak Antenna Gain (dBi): | - |

| Test Frequency (MHz) | 20 dB Bandwidth (MHz) |       |   |   |
|----------------------|-----------------------|-------|---|---|
|                      | A                     | B     | C | D |
| 2402                 | 0.951                 | 0.951 | - | - |
| 2441                 | 0.951                 | 0.951 | - | - |
| 2480                 | 0.951                 | 0.951 | - | - |

Table 52 - 20 dB Bandwidth Results

| Test Frequency (MHz) | 99% Bandwidth (MHz) |       |   |   | Limit (kHz) |
|----------------------|---------------------|-------|---|---|-------------|
|                      | A                   | B     | C | D |             |
| 2402                 | 0.828               | 0.831 | - | - | -           |
| 2441                 | 0.828               | 0.828 | - | - | -           |
| 2480                 | 0.828               | 0.828 | - | - | -           |

Table 53 - 99% Bandwidth Results

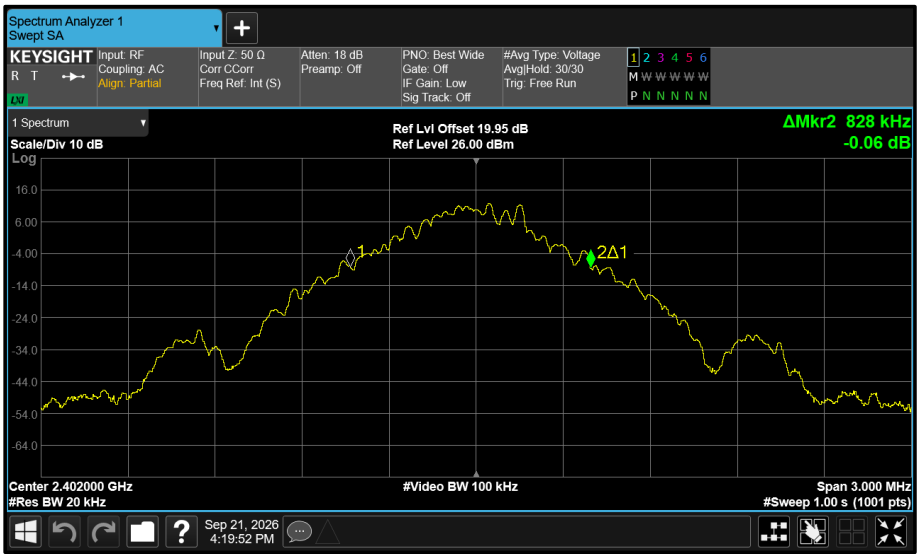


Figure 81 - Core 0 (A) 2402 MHz (CH0) 99% Bandwidth

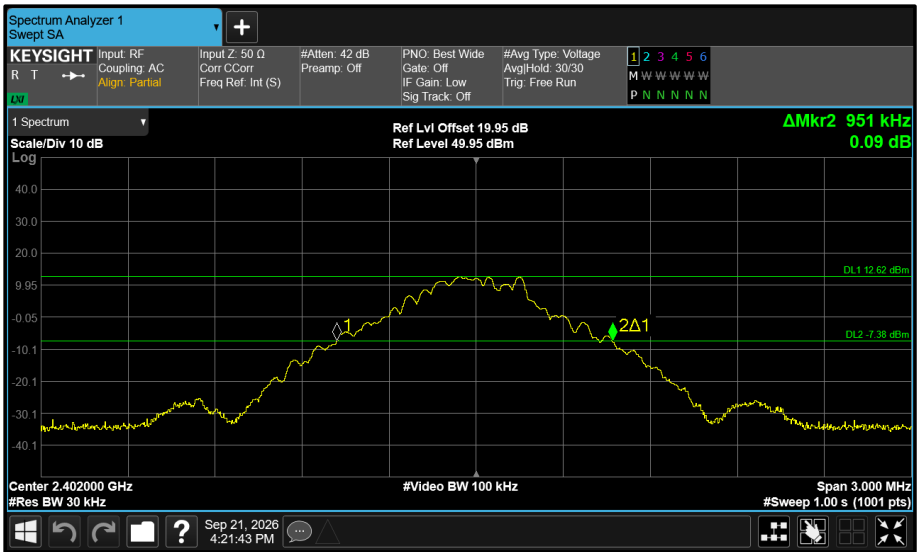


Figure 82 - Core 0 (A) 2402 MHz (CH0) 20 dB Bandwidth

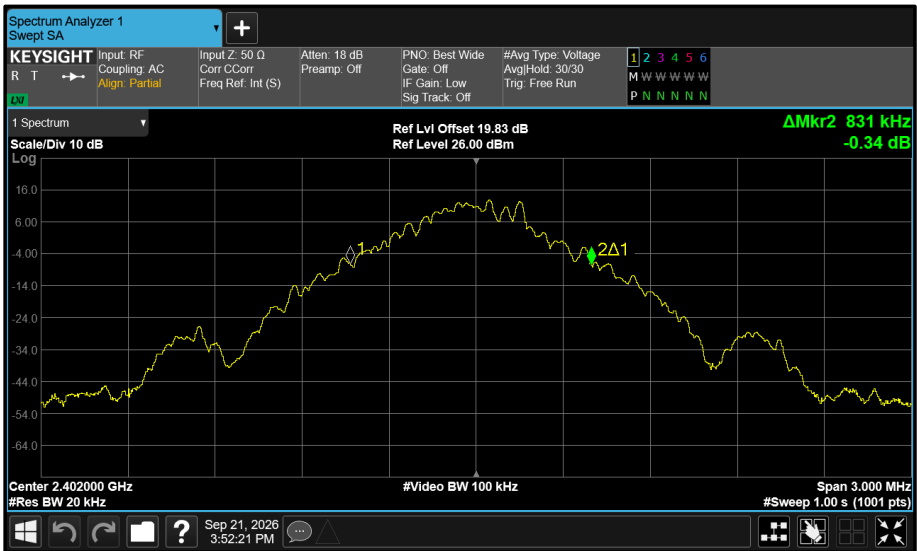


Figure 83 - Core 1 (B) 2402 MHz (CH0) 99% Bandwidth

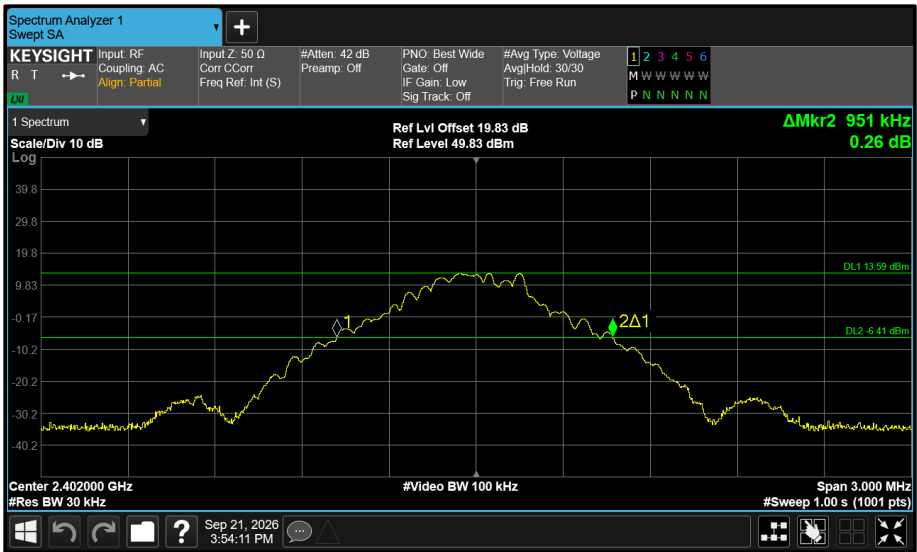


Figure 84 - Core 1 (B) 2402 MHz (CH0) 20 dB Bandwidth

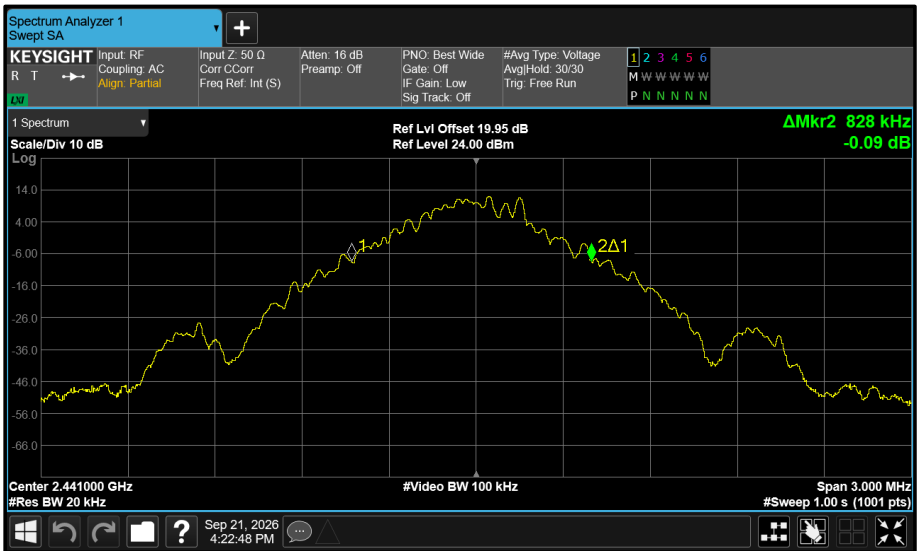


Figure 85 - Core 0 (A) 2441 MHz (CH39) 99% Bandwidth

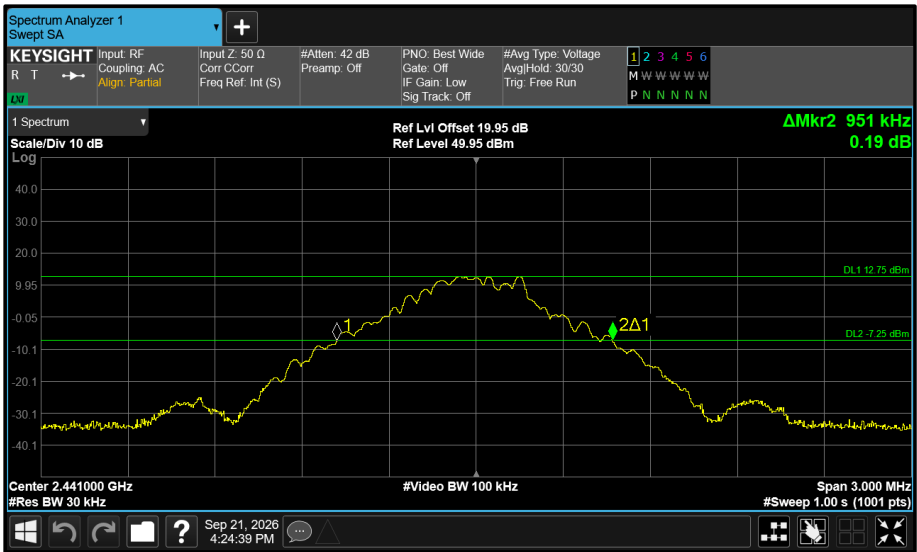


Figure 86 - Core 0 (A) 2441 MHz (CH39) 20 dB Bandwidth

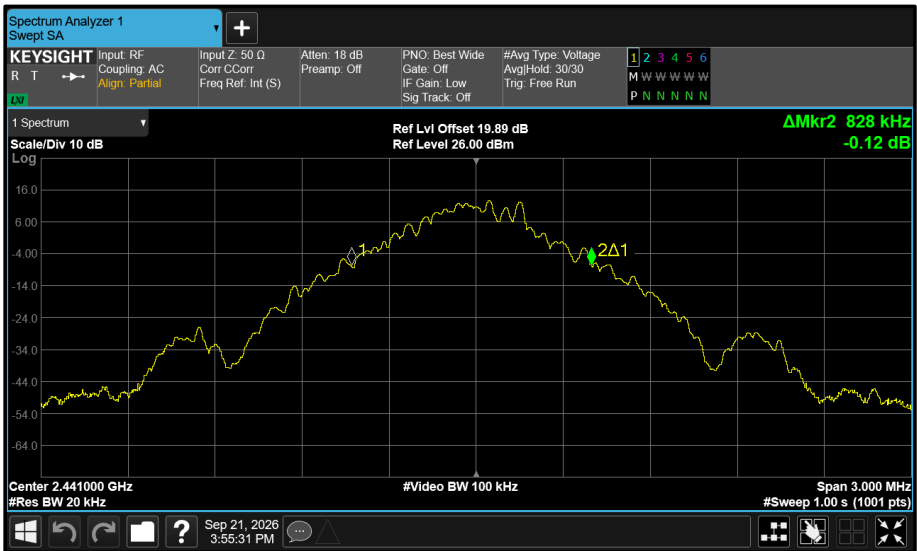


Figure 87 - Core 1 (B) 2441 MHz (CH39) 99% Bandwidth

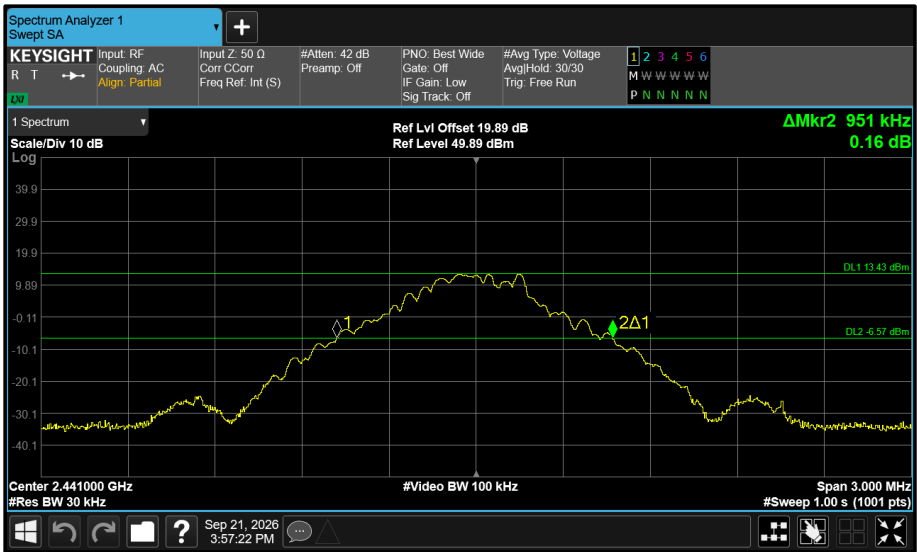


Figure 88 - Core 1 (B) 2441 MHz (CH39) 20 dB Bandwidth

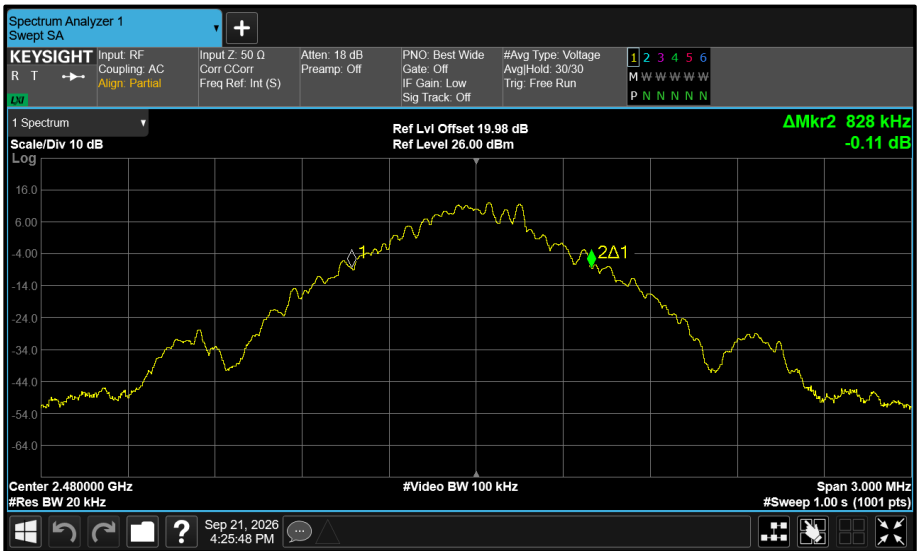


Figure 89 - Core 0 (A) 2480 MHz (CH78) 99% Bandwidth

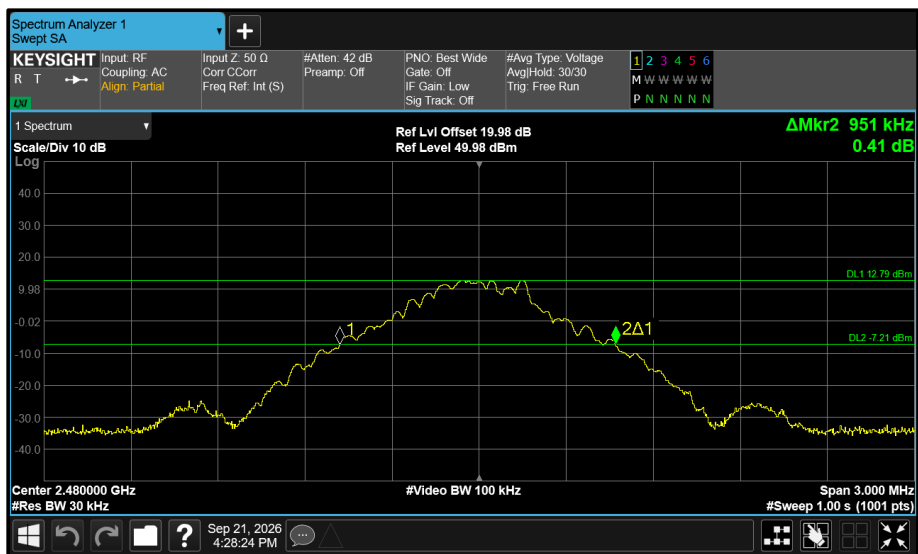


Figure 90 - Core 0 (A) 2480 MHz (CH78) 20 dB Bandwidth

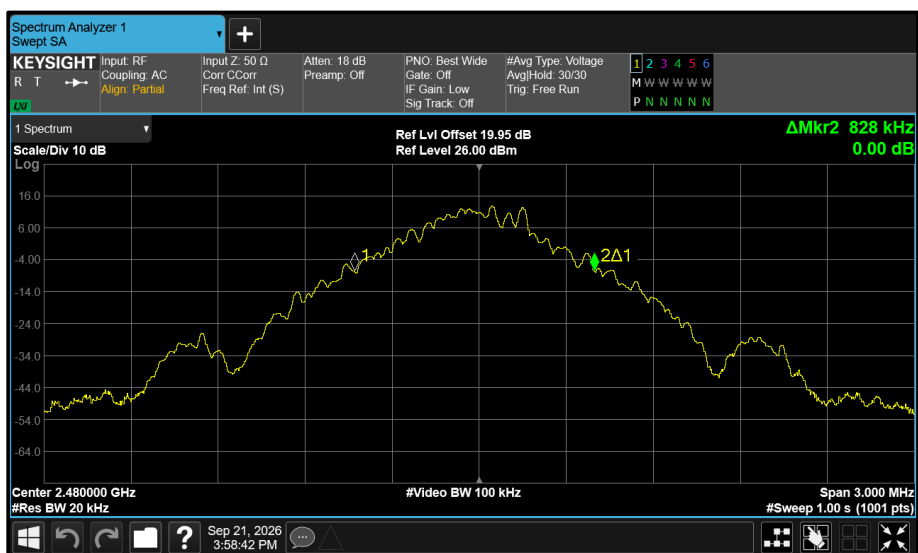


Figure 91 - Core 1 (B) 2480 MHz (CH78) 99% Bandwidth

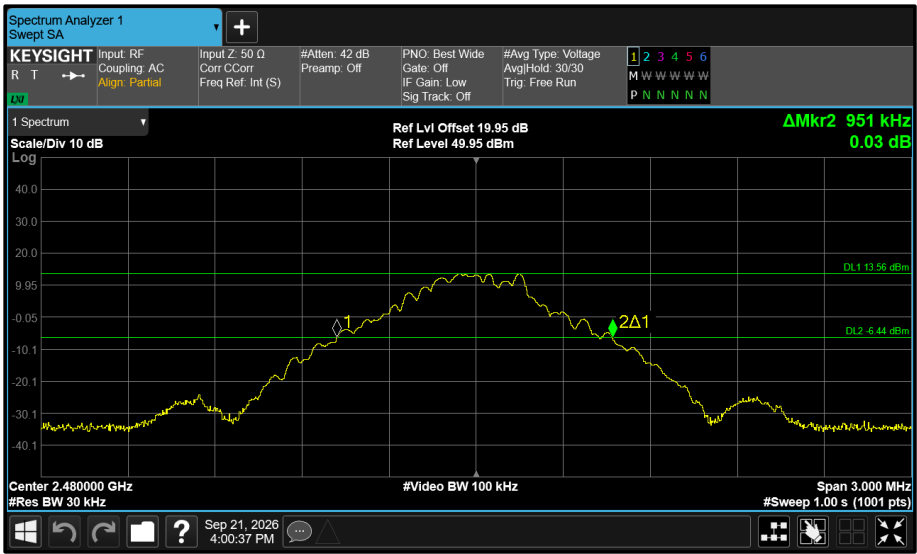


Figure 92 - Core 1 (B) 2480 MHz (CH78) 20 dB Bandwidth

FCC 47 CFR Part 15 and ISCED RSS-247 Limit Clause

None specified.



## 2.5.7 Test Location and Test Equipment Used

This test was carried out in RF Laboratory 1.

| Instrument                   | Manufacturer          | Type No.                    | TE No. | Calibration Period (months) | Calibration Expiry Date |
|------------------------------|-----------------------|-----------------------------|--------|-----------------------------|-------------------------|
| Meter & T/C                  | R.S Components        | Meter 615-8206 & Type K T/C | 3612   | 12                          | 13-Jan-2027             |
| AC Programmable Power Supply | iTech                 | IT7324                      | 5227   | -                           | O/P Mon                 |
| Signal Analyzer              | Keysight Technologies | PXA N9030B                  | 5432   | 12                          | 27-Aug-2027             |
| Digital Multimeter           | Fluke                 | 115                         | 6145   | 12                          | 02-Jun-2027             |
| SCU Cable Assembly           | TUV SUD               | SPECTRUM_SCU_CA             | 7323   | 12                          | 08-Sep-2027             |
| SCU Cable Assembly           | TUV SUD               | SPECTRUM_SCU_CA             | 7324   | 12                          | 08-Sep-2027             |
| SCU Cable Assembly           | TUV SUD               | SPECTRUM_SCU_CA             | 7326   | 12                          | 08-Sep-2027             |
| Real Time Peak Power Sensor  | Maury                 | RTP5008                     | 7332   | 12                          | 08-Sep-2027             |
| Real Time Peak Power Sensor  | Maury                 | RTP5008                     | 7333   | 12                          | 08-Sep-2027             |
| Real Time Peak Power Sensor  | Maury                 | RTP5008                     | 7334   | 12                          | 08-Sep-2027             |
| Signal Conditioning Unit     | TUV SUD               | Spectrum_SCU_CA             | 7338   | 12                          | 08-Sep-2027             |

**Table 54**

O/P Mon - Output Monitored using calibrated equipment



## **2.6 Maximum Conducted Output Power**

### **2.6.1 Specification Reference**

FCC 47 CFR Part 15C, Clause 15.247 (b)  
ISED RSS-247, Clause 6.2.3.2  
ISED RSS-GEN, Clause 6.12

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

A3469, S/N: DJYGG256NV - Modification State 0

### **2.6.3 Date of Test**

21-September-2026

### **2.6.4 Test Method**

The test was performed in accordance with ANSI C63.10 clause 7.8.5 using a power meter.

MIMO output port summing was performed in accordance with KDB 662911 D01, with the Beamforming results Directional Gain being calculated in accordance with clause F)2)d)(i)

### **2.6.5 Environmental Conditions**

|                     |         |
|---------------------|---------|
| Ambient Temperature | 23.5 °C |
| Relative Humidity   | 48.5 %  |



## 2.6.6 Test Results

### 2.4 GHz Bluetooth - FHSS

| Test Configuration       |                                |                 |              |
|--------------------------|--------------------------------|-----------------|--------------|
| Frequency Range:         | 2400-2483.5 MHz                | Band:           | 2.4 GHz      |
| Limit Clause(s):         | 15.247 (b)(3)<br>RSS-247 6.3.2 | Test Method(s): | C63.10 7.8.5 |
| Additional Reference(s): | -                              |                 |              |

| DUT Configuration      |                               |                          |      |
|------------------------|-------------------------------|--------------------------|------|
| Mode:                  | FCC+ISED iPA Core 0 BDR (DH5) | Duty Cycle (%):          | 76.4 |
| Antenna Configuration: | SISO                          | DCCF (dB):               | -    |
| Active Port(s):        | A (Core 0)                    | Peak Antenna Gain (dBi): | 5.50 |

| Test Frequency (MHz) | Maximum Conducted Output Power (dBm) |   |   |   |          | Limit (dBm) | Margin (dB) |
|----------------------|--------------------------------------|---|---|---|----------|-------------|-------------|
|                      | A                                    | B | C | D | $\Sigma$ |             |             |
| 2402                 | 9.28                                 | - | - | - | 9.28     | 30.00       | -20.72      |
| 2441                 | 9.15                                 | - | - | - | 9.15     | 30.00       | -20.85      |
| 2480                 | 9.07                                 | - | - | - | 9.07     | 30.00       | -20.93      |

**Table 55 - FCC Maximum Conducted (peak) Output Power Results**

| Test Frequency (MHz) | Maximum Conducted Output Power (dBm) |   |   |   |          | Limit (dBm) | Margin (dB) | EIRP (dBm) | EIRP Limit (dBm) | EIRP Margin (dB) |
|----------------------|--------------------------------------|---|---|---|----------|-------------|-------------|------------|------------------|------------------|
|                      | A                                    | B | C | D | $\Sigma$ |             |             |            |                  |                  |
| 2402                 | 9.28                                 | - | - | - | 9.28     | 30.00       | -20.72      | 14.78      | 36.00            | -21.22           |
| 2441                 | 9.15                                 | - | - | - | 9.15     | 30.00       | -20.85      | 14.65      | 36.00            | -21.35           |
| 2480                 | 9.07                                 | - | - | - | 9.07     | 30.00       | -20.93      | 14.57      | 36.00            | -21.43           |

**Table 56 - ISSED Maximum Conducted (peak) Output Power Results**



| Test Configuration       |                                |                 |              |
|--------------------------|--------------------------------|-----------------|--------------|
| Frequency Range:         | 2400-2483.5 MHz                | Band:           | 2.4 GHz      |
| Limit Clause(s):         | 15.247 (b)(3)<br>RSS-247 6.3.2 | Test Method(s): | C63.10 7.8.5 |
| Additional Reference(s): | -                              |                 |              |

| DUT Configuration      |                               |                          |       |
|------------------------|-------------------------------|--------------------------|-------|
| Mode:                  | FCC+ISED iPA Core 1 BDR (DH5) | Duty Cycle (%):          | 100.0 |
| Antenna Configuration: | SISO                          | DCCF (dB):               | -     |
| Active Port(s):        | B (Core 1)                    | Peak Antenna Gain (dBi): | 5.70  |

| Test Frequency (MHz) | Maximum Conducted Output Power (dBm) |       |   |   |          | Limit (dBm) | Margin (dB) |
|----------------------|--------------------------------------|-------|---|---|----------|-------------|-------------|
|                      | A                                    | B     | C | D | $\Sigma$ |             |             |
| 2402                 | -                                    | 10.74 | - | - | 10.74    | 30.00       | -19.26      |
| 2441                 | -                                    | 10.47 | - | - | 10.47    | 30.00       | -19.53      |
| 2480                 | -                                    | 10.66 | - | - | 10.66    | 30.00       | -19.34      |

**Table 57 - FCC Maximum Conducted (peak) Output Power Results**

| Test Frequency (MHz) | Maximum Conducted Output Power (dBm) |       |   |   |          | Limit (dBm) | Margin (dB) | EIRP (dBm) | EIRP Limit (dBm) | EIRP Margin (dB) |
|----------------------|--------------------------------------|-------|---|---|----------|-------------|-------------|------------|------------------|------------------|
|                      | A                                    | B     | C | D | $\Sigma$ |             |             |            |                  |                  |
| 2402                 | -                                    | 10.74 | - | - | 10.74    | 30.00       | -19.26      | 16.44      | 36.00            | -19.56           |
| 2441                 | -                                    | 10.47 | - | - | 10.47    | 30.00       | -19.53      | 16.17      | 36.00            | -19.83           |
| 2480                 | -                                    | 10.66 | - | - | 10.66    | 30.00       | -19.34      | 16.36      | 36.00            | -19.64           |

**Table 58 - ISED Maximum Conducted (peak) Output Power Results**



| Test Configuration       |                                |                 |              |
|--------------------------|--------------------------------|-----------------|--------------|
| Frequency Range:         | 2400-2483.5 MHz                | Band:           | 2.4 GHz      |
| Limit Clause(s):         | 15.247 (b)(3)<br>RSS-247 6.3.2 | Test Method(s): | C63.10 7.8.5 |
| Additional Reference(s): | -                              |                 |              |

| DUT Configuration      |                                 |                          |      |
|------------------------|---------------------------------|--------------------------|------|
| Mode:                  | FCC+ISED C iPA Core 2 BDR (DH5) | Duty Cycle (%):          | 76.4 |
| Antenna Configuration: | SISO                            | DCCF (dB):               | -    |
| Active Port(s):        | C (Core 2)                      | Peak Antenna Gain (dBi): | 4.90 |

| Test Frequency (MHz) | Maximum Conducted Output Power (dBm) |   |       |   |          | Limit (dBm) | Margin (dB) |
|----------------------|--------------------------------------|---|-------|---|----------|-------------|-------------|
|                      | A                                    | B | C     | D | $\Sigma$ |             |             |
| 2402                 | -                                    | - | 13.22 | - | 13.22    | 30.00       | -16.78      |
| 2441                 | -                                    | - | 13.23 | - | 13.23    | 30.00       | -16.77      |
| 2480                 | -                                    | - | 13.16 | - | 13.16    | 30.00       | -16.84      |

**Table 59 - FCC Maximum Conducted (peak) Output Power Results**

| Test Frequency (MHz) | Maximum Conducted Output Power (dBm) |   |       |   |          | Limit (dBm) | Margin (dB) | EIRP (dBm) | EIRP Limit (dBm) | EIRP Margin (dB) |
|----------------------|--------------------------------------|---|-------|---|----------|-------------|-------------|------------|------------------|------------------|
|                      | A                                    | B | C     | D | $\Sigma$ |             |             |            |                  |                  |
| 2402                 | -                                    | - | 13.22 | - | 13.22    | 30.00       | -16.78      | 18.12      | 36.00            | -17.88           |
| 2441                 | -                                    | - | 13.23 | - | 13.23    | 30.00       | -16.77      | 18.13      | 36.00            | -17.87           |
| 2480                 | -                                    | - | 13.16 | - | 13.16    | 30.00       | -16.84      | 18.06      | 36.00            | -17.94           |

**Table 60 - ISED Maximum Conducted (peak) Output Power Results**



| Test Configuration       |                                                     |                 |              |
|--------------------------|-----------------------------------------------------|-----------------|--------------|
| Frequency Range:         | 2400-2483.5 MHz                                     | Band:           | 2.4 GHz      |
| Limit Clause(s):         | 15.247 (b)(3)<br>15.247 (b)(4)<br>RSS-247 6.3.2     | Test Method(s): | C63.10 7.8.5 |
| Additional Reference(s): | 662911 D01 v02r01 F)2)d)(i), 662911 D01 v02r01 E)1) |                 |              |

| DUT Configuration      |                                          |                          |      |
|------------------------|------------------------------------------|--------------------------|------|
| Mode:                  | FCC+ISED C iPA Core 0 + Core 1 BDR (DH5) | Duty Cycle (%):          | 76.4 |
| Antenna Configuration: | Beamforming                              | DCCF (dB):               | -    |
| Active Port(s):        | A+B (Core 0+Core 1)                      | Peak Antenna Gain (dBi): | 8.61 |

| Test Frequency (MHz) | Maximum Conducted Output Power (dBm) |      |   |   |          | Limit (dBm) | Margin (dB) |
|----------------------|--------------------------------------|------|---|---|----------|-------------|-------------|
|                      | A                                    | B    | C | D | $\Sigma$ |             |             |
| 2402                 | 9.29                                 | 9.38 | - | - | 12.35    | 27.39       | -15.04      |
| 2441                 | 9.15                                 | 9.45 | - | - | 12.31    | 27.39       | -15.08      |
| 2480                 | 9.07                                 | 9.41 | - | - | 12.26    | 27.39       | -15.13      |

**Table 61 - FCC Maximum Conducted (peak) Output Power Results**

| Test Frequency (MHz) | Maximum Conducted Output Power (dBm) |      |   |   |          | Limit (dBm) | Margin (dB) | EIRP (dBm) | EIRP Limit (dBm) | EIRP Margin (dB) |
|----------------------|--------------------------------------|------|---|---|----------|-------------|-------------|------------|------------------|------------------|
|                      | A                                    | B    | C | D | $\Sigma$ |             |             |            |                  |                  |
| 2402                 | 9.29                                 | 9.38 | - | - | 12.35    | 30.00       | -17.65      | 20.96      | 36.00            | -15.04           |
| 2441                 | 9.15                                 | 9.45 | - | - | 12.31    | 30.00       | -17.69      | 20.92      | 36.00            | -15.08           |
| 2480                 | 9.07                                 | 9.41 | - | - | 12.26    | 30.00       | -17.74      | 20.87      | 36.00            | -15.13           |

**Table 62 - ISD Maximum Conducted (peak) Output Power Results**



| Test Configuration       |                                |                 |              |
|--------------------------|--------------------------------|-----------------|--------------|
| Frequency Range:         | 2400-2483.5 MHz                | Band:           | 2.4 GHz      |
| Limit Clause(s):         | 15.247 (b)(3)<br>RSS-247 6.3.2 | Test Method(s): | C63.10 7.8.5 |
| Additional Reference(s): | -                              |                 |              |

| DUT Configuration      |                               |                          |      |
|------------------------|-------------------------------|--------------------------|------|
| Mode:                  | FCC+ISED ePA Core 0 BDR (DH5) | Duty Cycle (%):          | 76.4 |
| Antenna Configuration: | SISO                          | DCCF (dB):               | -    |
| Active Port(s):        | A (Core 0)                    | Peak Antenna Gain (dBi): | 5.50 |

| Test Frequency (MHz) | Maximum Conducted Output Power (dBm) |   |   |   |          | Limit (dBm) | Margin (dB) |
|----------------------|--------------------------------------|---|---|---|----------|-------------|-------------|
|                      | A                                    | B | C | D | $\Sigma$ |             |             |
| 2402                 | 15.68                                | - | - | - | 15.68    | 30.00       | -14.32      |
| 2441                 | 15.83                                | - | - | - | 15.83    | 30.00       | -14.17      |
| 2480                 | 15.83                                | - | - | - | 15.83    | 30.00       | -14.17      |

**Table 63 - FCC Maximum Conducted (peak) Output Power Results**

| Test Frequency (MHz) | Maximum Conducted Output Power (dBm) |   |   |   |          | Limit (dBm) | Margin (dB) | EIRP (dBm) | EIRP Limit (dBm) | EIRP Margin (dB) |
|----------------------|--------------------------------------|---|---|---|----------|-------------|-------------|------------|------------------|------------------|
|                      | A                                    | B | C | D | $\Sigma$ |             |             |            |                  |                  |
| 2402                 | 15.68                                | - | - | - | 15.68    | 30.00       | -14.32      | 21.18      | 36.00            | -14.82           |
| 2441                 | 15.83                                | - | - | - | 15.83    | 30.00       | -14.17      | 21.33      | 36.00            | -14.67           |
| 2480                 | 15.83                                | - | - | - | 15.83    | 30.00       | -14.17      | 21.33      | 36.00            | -14.67           |

**Table 64 - ISED Maximum Conducted (peak) Output Power Results**



| Test Configuration       |                                |                 |              |
|--------------------------|--------------------------------|-----------------|--------------|
| Frequency Range:         | 2400-2483.5 MHz                | Band:           | 2.4 GHz      |
| Limit Clause(s):         | 15.247 (b)(3)<br>RSS-247 6.3.2 | Test Method(s): | C63.10 7.8.5 |
| Additional Reference(s): | -                              |                 |              |

| DUT Configuration      |                               |                          |       |
|------------------------|-------------------------------|--------------------------|-------|
| Mode:                  | FCC+ISED ePA Core 1 BDR (DH5) | Duty Cycle (%):          | 100.0 |
| Antenna Configuration: | SISO                          | DCCF (dB):               | -     |
| Active Port(s):        | B (Core 1)                    | Peak Antenna Gain (dBi): | 5.70  |

| Test Frequency (MHz) | Maximum Conducted Output Power (dBm) |       |   |   |          | Limit (dBm) | Margin (dB) |
|----------------------|--------------------------------------|-------|---|---|----------|-------------|-------------|
|                      | A                                    | B     | C | D | $\Sigma$ |             |             |
| 2402                 | -                                    | 16.70 | - | - | 16.70    | 30.00       | -13.30      |
| 2441                 | -                                    | 16.56 | - | - | 16.56    | 30.00       | -13.44      |
| 2480                 | -                                    | 16.64 | - | - | 16.64    | 30.00       | -13.36      |

**Table 65 - FCC Maximum Conducted (peak) Output Power Results**

| Test Frequency (MHz) | Maximum Conducted Output Power (dBm) |       |   |   |          | Limit (dBm) | Margin (dB) | EIRP (dBm) | EIRP Limit (dBm) | EIRP Margin (dB) |
|----------------------|--------------------------------------|-------|---|---|----------|-------------|-------------|------------|------------------|------------------|
|                      | A                                    | B     | C | D | $\Sigma$ |             |             |            |                  |                  |
| 2402                 | -                                    | 16.70 | - | - | 16.70    | 30.00       | -13.30      | 22.40      | 36.00            | -13.60           |
| 2441                 | -                                    | 16.56 | - | - | 16.56    | 30.00       | -13.44      | 22.26      | 36.00            | -13.74           |
| 2480                 | -                                    | 16.64 | - | - | 16.64    | 30.00       | -13.36      | 22.34      | 36.00            | -13.66           |

**Table 66 - ISED Maximum Conducted (peak) Output Power Results**



| Test Configuration       |                                                                                                               |                 |              |
|--------------------------|---------------------------------------------------------------------------------------------------------------|-----------------|--------------|
| Frequency Range:         | 2400-2483.5 MHz                                                                                               | Band:           | 2.4 GHz      |
| Limit Clause(s):         | 15.247 (b)(3)<br>15.247 (b)(4)<br>RSS-247 6.3.2                                                               | Test Method(s): | C63.10 7.8.5 |
| Additional Reference(s): | 662911 D01 v02r01 F)2)d)(i), 662911 D01 v02r01 E)1)                                                           |                 |              |
| Note(s):                 | TxBF cores were tested independently whilst transmitting at the cores respective powers and summed after test |                 |              |

| DUT Configuration      |                        |                          |      |
|------------------------|------------------------|--------------------------|------|
| Mode:                  | FCC+ISED ePA BDR (DH5) | Duty Cycle (%):          | 76.4 |
| Antenna Configuration: | Beamforming            | DCCF (dB):               | -    |
| Active Port(s):        | A+B (Core 0+Core 1)    | Peak Antenna Gain (dBi): | 8.61 |

| Test Frequency (MHz) | Maximum Conducted Output Power (dBm) |       |   |   |          | Limit (dBm) | Margin (dB) |
|----------------------|--------------------------------------|-------|---|---|----------|-------------|-------------|
|                      | A                                    | B     | C | D | $\Sigma$ |             |             |
| 2402                 | 15.69                                | 16.71 | - | - | 19.24    | 27.39       | -8.15       |
| 2441                 | 15.83                                | 16.58 | - | - | 19.23    | 27.39       | -8.16       |
| 2480                 | 15.83                                | 16.60 | - | - | 19.24    | 27.39       | -8.15       |

**Table 67 - FCC Maximum Conducted (peak) Output Power Results**

| Test Frequency (MHz) | Maximum Conducted Output Power (dBm) |       |   |   |          | Limit (dBm) | Margin (dB) | EIRP (dBm) | EIRP Limit (dBm) | EIRP Margin (dB) |
|----------------------|--------------------------------------|-------|---|---|----------|-------------|-------------|------------|------------------|------------------|
|                      | A                                    | B     | C | D | $\Sigma$ |             |             |            |                  |                  |
| 2402                 | 15.69                                | 16.71 | - | - | 19.24    | 30.00       | -10.76      | 27.85      | 36.00            | -8.15            |
| 2441                 | 15.83                                | 16.58 | - | - | 19.23    | 30.00       | -10.77      | 27.84      | 36.00            | -8.16            |
| 2480                 | 15.83                                | 16.60 | - | - | 19.24    | 30.00       | -10.76      | 27.85      | 36.00            | -8.15            |

**Table 68 - ISSED Maximum Conducted (peak) Output Power Results**



FCC 47 CFR Part 15, Limit Clause 15.247 (b)(1) and (a)(1)

For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400-2483.5 MHz band: 0.125 watts.

Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW.

ISED RSS-247, Limit Clause 6.2.3.2

If the hopset uses 75 or more hopping channels, the maximum peak conducted output power shall not exceed 1.0 W.

If the hopset uses less than 75 hopping channels the maximum peak conducted output power shall not exceed 0.125 W.

The e.i.r.p. shall not exceed 4 W, except as provided in sections 6.5 a) and b).



## 2.6.7 Test Location and Test Equipment Used

This test was carried out in RF Laboratory 1.

| Instrument                   | Manufacturer          | Type No.                    | TE No. | Calibration Period (months) | Calibration Expiry Date |
|------------------------------|-----------------------|-----------------------------|--------|-----------------------------|-------------------------|
| Meter & T/C                  | R.S Components        | Meter 615-8206 & Type K T/C | 3612   | 12                          | 13-Jan-2027             |
| AC Programmable Power Supply | iTech                 | IT7324                      | 5227   | -                           | O/P Mon                 |
| Signal Analyzer              | Keysight Technologies | PXA N9030B                  | 5432   | 12                          | 27-Aug-2027             |
| Digital Multimeter           | Fluke                 | 115                         | 6145   | 12                          | 02-Jun-2027             |
| SCU Cable Assembly           | TUV SUD               | SPECTRUM_SCU_CA             | 7323   | 12                          | 08-Sep-2027             |
| SCU Cable Assembly           | TUV SUD               | SPECTRUM_SCU_CA             | 7324   | 12                          | 08-Sep-2027             |
| SCU Cable Assembly           | TUV SUD               | SPECTRUM_SCU_CA             | 7326   | 12                          | 08-Sep-2027             |
| Real Time Peak Power Sensor  | Maury                 | RTP5008                     | 7332   | 12                          | 08-Sep-2027             |
| Real Time Peak Power Sensor  | Maury                 | RTP5008                     | 7333   | 12                          | 08-Sep-2027             |
| Real Time Peak Power Sensor  | Maury                 | RTP5008                     | 7334   | 12                          | 08-Sep-2027             |
| Signal Conditioning Unit     | TUV SUD               | Spectrum_SCU_CA             | 7338   | 12                          | 08-Sep-2027             |

**Table 69**

O/P Mon - Output Monitored using calibrated equipment



## **2.7 Authorised Band Edges**

### **2.7.1 Specification Reference**

FCC 47 CFR Part 15C, Clause 15.247 (d)  
ISED RSS-247, Clause 6.6

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

A3469, S/N: C6V3CV06VH - Modification State 0

### **2.7.3 Date of Test**

22-July-2026 to 24-July-2026

### **2.7.4 Test Method**

The test was performed in accordance with ANSI C63.10, clause 6.10.4.

### **2.7.5 Environmental Conditions**

|                     |                |
|---------------------|----------------|
| Ambient Temperature | 19.1 - 22.0 °C |
| Relative Humidity   | 24.6 - 46.8 %  |

## 2.7.6 Test Results

### 2.4 GHz Bluetooth - FHSS

#### iPA - Core 0 (SISO)

| Mode    | Packet Type | TX Frequency (MHz) | Band Edge Frequency (MHz) | Level (dBc) |
|---------|-------------|--------------------|---------------------------|-------------|
| Static  | DH5         | 2402               | 2400                      | -56.35      |
| Hopping | DH5         | 2402-2480          | 2400                      | -63.53      |

**Table 70 - SISO Authorised Band Edge Results**

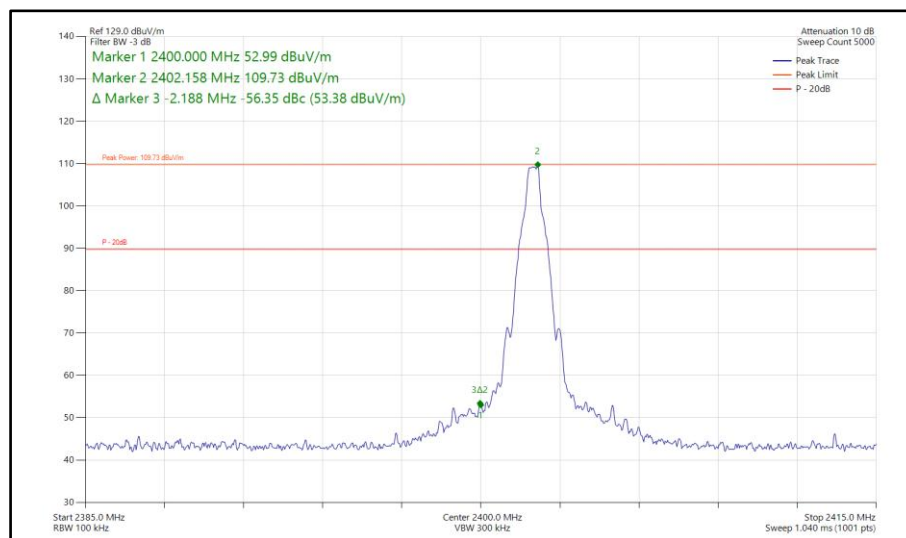


**Figure 93 - Bluetooth DH5, SISO, Core 0 - 2402 MHz  
Band Edge Frequency 2400 MHz**

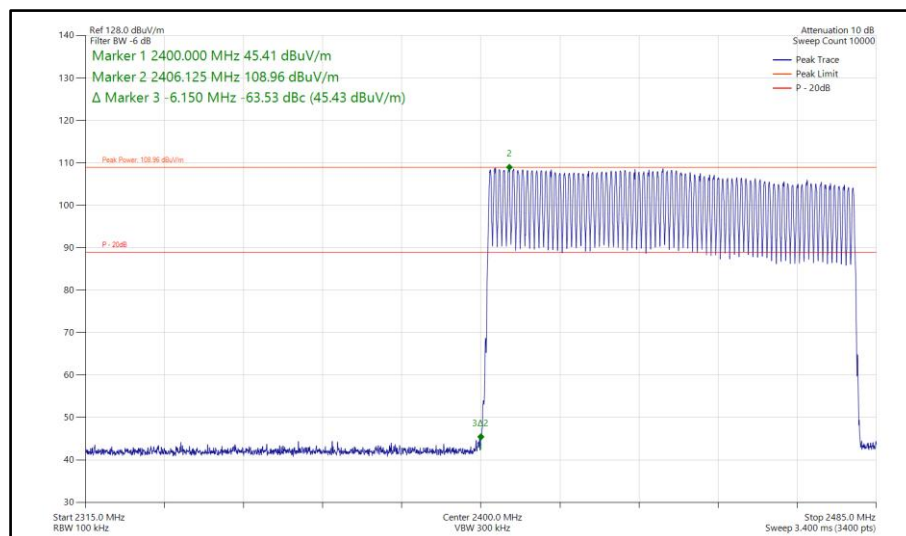


**Figure 94 - Bluetooth DH5, SISO, Core 0 - 2402-2480 MHz  
Band Edge Frequency 2400 MHz**

iPA - Core 1 (SISO)

| Mode    | Packet Type | TX Frequency (MHz) | Band Edge Frequency (MHz) | Level (dBc) |
|---------|-------------|--------------------|---------------------------|-------------|
| Static  | DH5         | 2402               | 2400                      | -58.70      |
| Hopping | DH5         | 2402-2480          | 2400                      | -63.23      |

**Table 71 - SISO Authorised Band Edge Results**

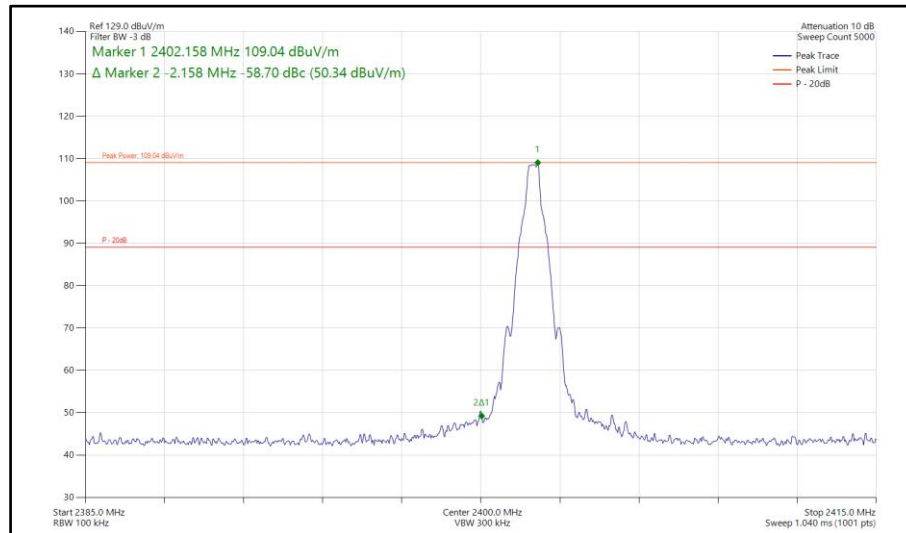


**Figure 95 - Bluetooth DH5, SISO, Core 1 - 2402 MHz  
Band Edge Frequency 2400 MHz**

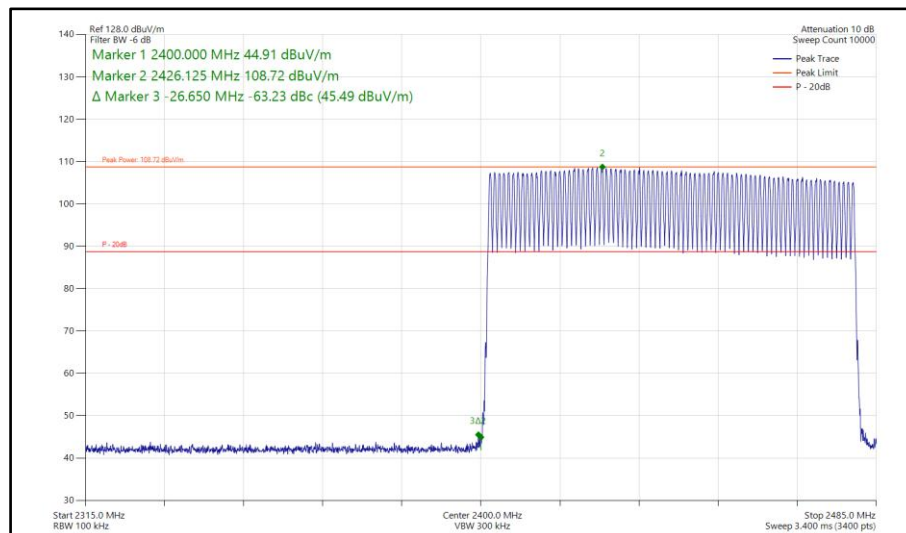


**Figure 96 - Bluetooth DH5, SISO, Core 1 - 2402-2480 MHz  
Band Edge Frequency 2400 MHz**

iPA - Core 2 (SISO)

| Mode    | Packet Type | TX Frequency (MHz) | Band Edge Frequency (MHz) | Level (dBc) |
|---------|-------------|--------------------|---------------------------|-------------|
| Static  | DH5         | 2402               | 2400                      | -64.26      |
| Hopping | DH5         | 2402-2480          | 2400                      | -68.04      |

**Table 72 - SISO Authorised Band Edge Results**

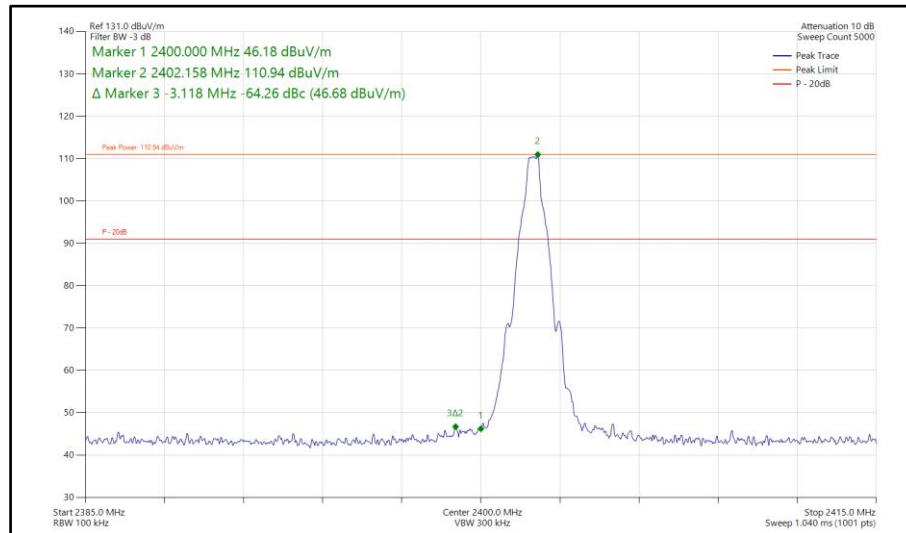


**Figure 97 - Bluetooth DH5, SISO, Core 2 - 2402 MHz  
Band Edge Frequency 2400 MHz**

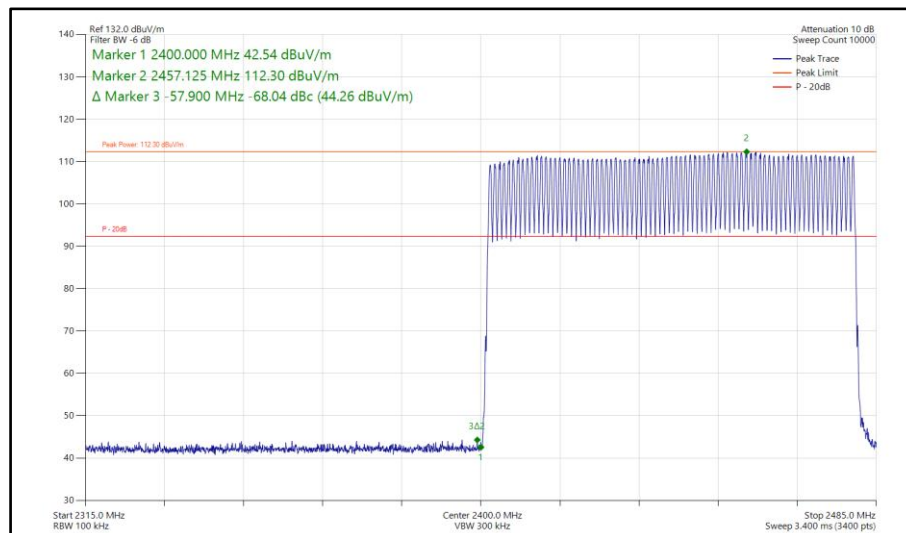


**Figure 98 - Bluetooth DH5, SISO, Core 2 - 2402-2480 MHz  
Band Edge Frequency 2400 MHz**

iPA - Core 0-1 (MIMO)

| Mode    | Packet Type | TX Frequency (MHz) | Band Edge Frequency (MHz) | Level (dBc) |
|---------|-------------|--------------------|---------------------------|-------------|
| Static  | DH5         | 2402               | 2400                      | -63.85      |
| Hopping | DH5         | 2402-2480          | 2400                      | -62.75      |

**Table 73 - MIMO Authorised Band Edge Results**

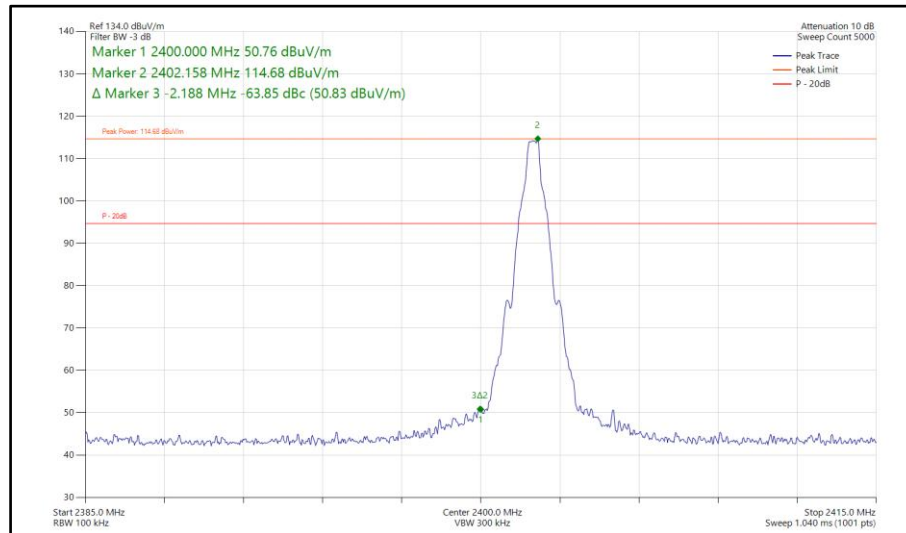


**Figure 99 - Bluetooth DH5, MIMO, Core 0-1 - 2402 MHz  
Band Edge Frequency 2400 MHz**

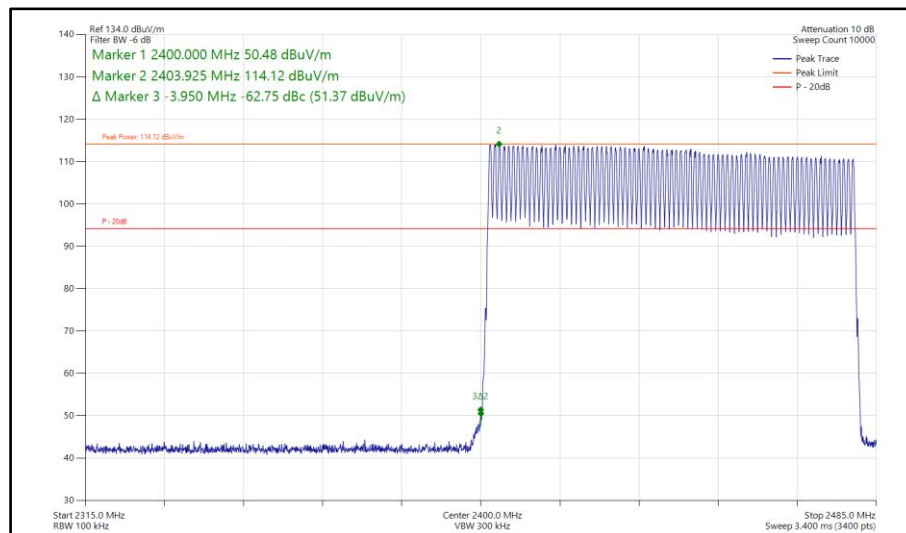


**Figure 100 - Bluetooth DH5, MIMO, Core 0-1 - 2402-2480 MHz  
Band Edge Frequency 2400 MHz**

ePA - Core 0 (SISO)

| Mode    | Packet Type | TX Frequency (MHz) | Band Edge Frequency (MHz) | Level (dBc) |
|---------|-------------|--------------------|---------------------------|-------------|
| Static  | DH5         | 2402               | 2400                      | -66.19      |
| Hopping | DH5         | 2402-2480          | 2400                      | -68.12      |

**Table 74 - SISO Authorised Band Edge Results**

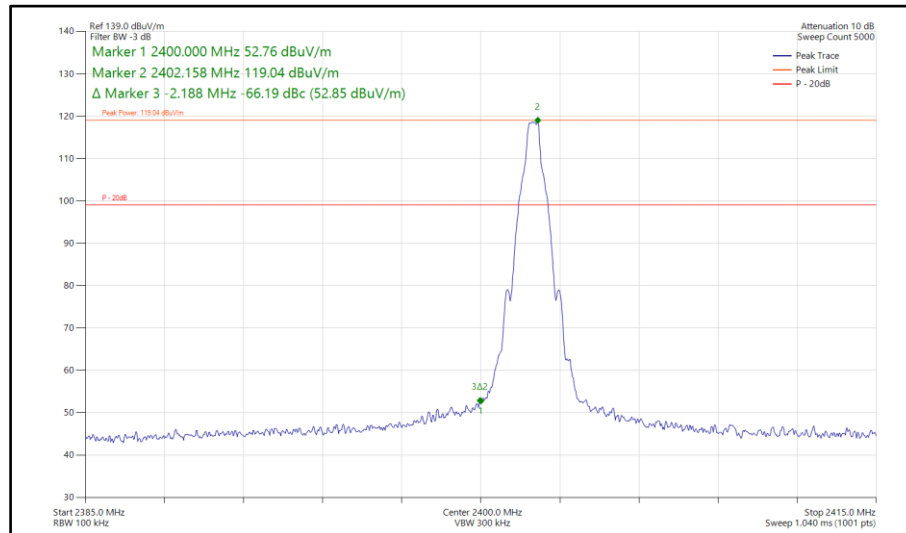


**Figure 101 - Bluetooth DH5, SISO, Core 0 - 2402 MHz  
Band Edge Frequency 2400 MHz**

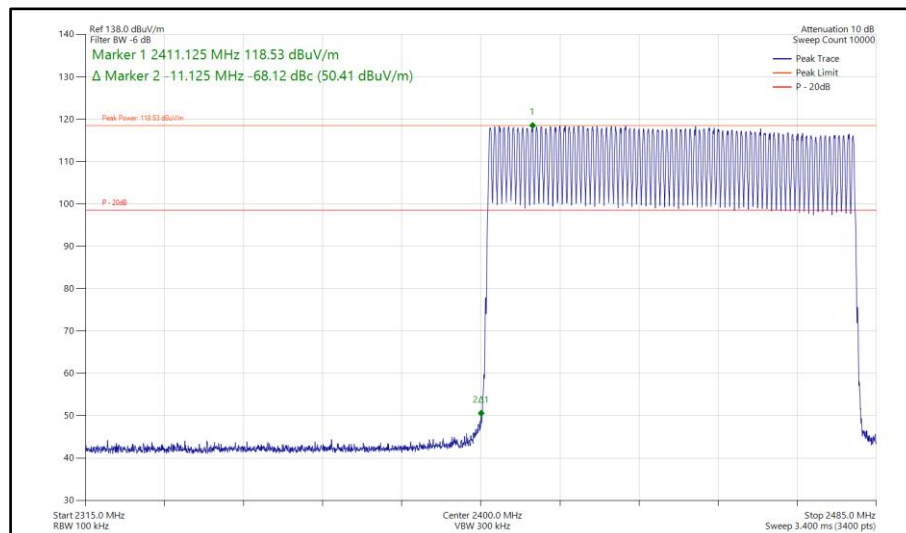


**Figure 102 - Bluetooth DH5, SISO, Core 0 - 2402-2480 MHz  
Band Edge Frequency 2400 MHz**

ePA - Core 1 (SISO)

| Mode    | Packet Type | TX Frequency (MHz) | Band Edge Frequency (MHz) | Level (dBc) |
|---------|-------------|--------------------|---------------------------|-------------|
| Static  | DH5         | 2402               | 2400                      | -66.62      |
| Hopping | DH5         | 2402-2480          | 2400                      | -69.36      |

**Table 75 - SISO Authorised Band Edge Results**

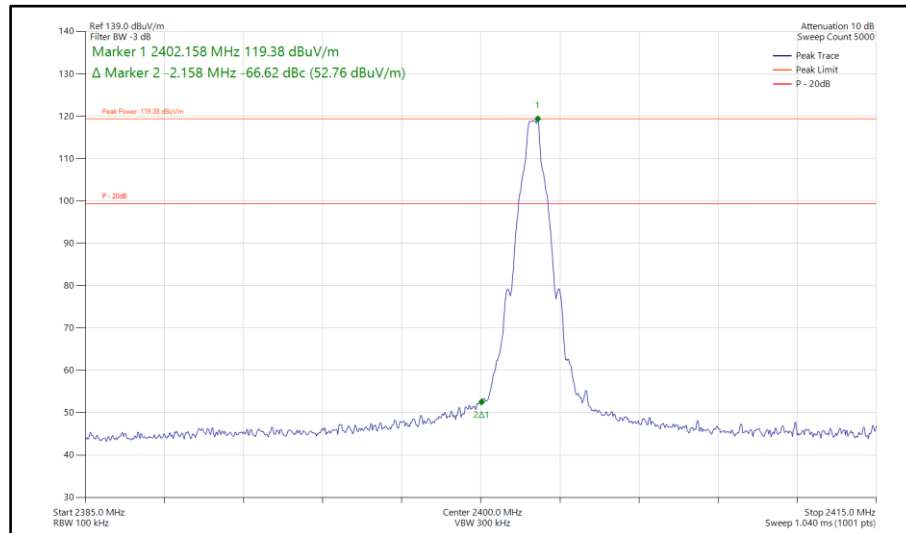


**Figure 103 - Bluetooth DH5, SISO, Core 1 - 2402 MHz  
Band Edge Frequency 2400 MHz**

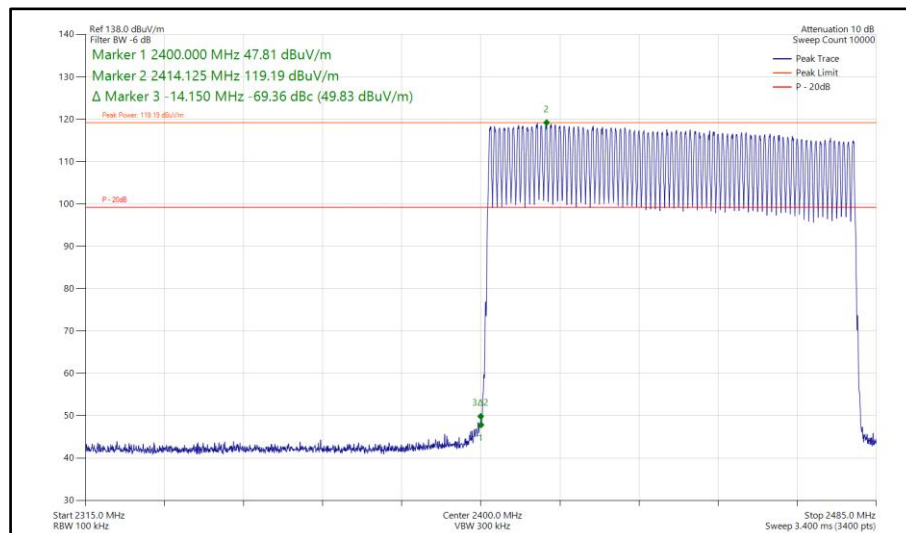


**Figure 104 - Bluetooth DH5, SISO, Core 1 - 2402-2480 MHz  
Band Edge Frequency 2400 MHz**

ePA - Core 0-1 (MIMO)

| Mode    | Packet Type | TX Frequency (MHz) | Band Edge Frequency (MHz) | Level (dBc) |
|---------|-------------|--------------------|---------------------------|-------------|
| Static  | DH5         | 2402               | 2400                      | -66.76      |
| Hopping | DH5         | 2402-2480          | 2400                      | -71.50      |

**Table 76 - MIMO Authorised Band Edge Results**

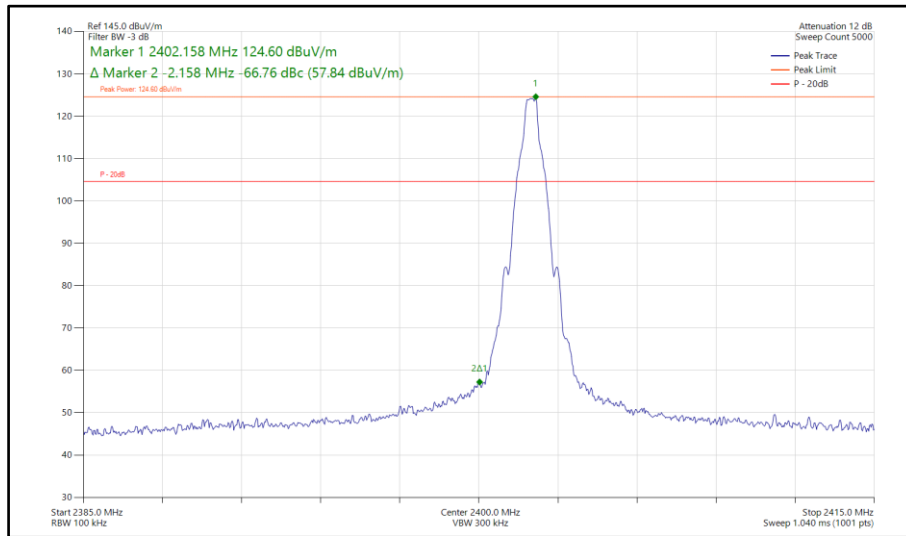


**Figure 105 - Bluetooth DH5, MIMO, Core 0-1 - 2402 MHz  
Band Edge Frequency 2400 MHz**

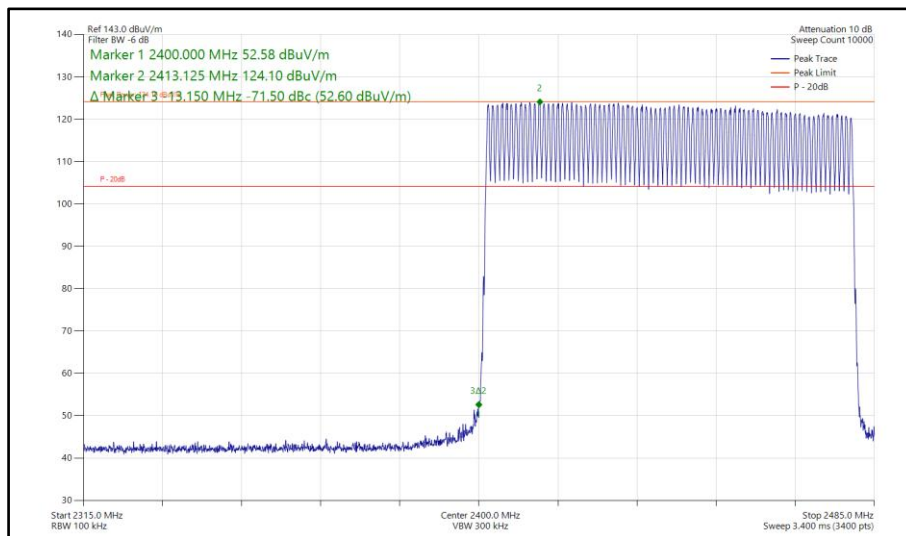


**Figure 106 - Bluetooth DH5, MIMO, Core 0-1 - 2402-2480 MHz  
Band Edge Frequency 2400 MHz**



FCC 47 CFR Part 15, Limit Clause 15.247 (d)

20 dB below the fundamental measured in a 100 kHz bandwidth using a peak detector. If the transmitter complies with the conducted power limits, based on the use of RMS averaging over a time interval, the attenuation required shall be 30 dB below the fundamental instead of 20 dB.

ISED RSS-247, Limit Clause 6.6

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the RF power that is produced shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided that the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of root-mean-square averaging over a time interval, as permitted under Section 5.4(4), the attenuation required shall be 30 dB instead of 20 dB. Attenuation below the general field strength limits specified in RSS-Gen is not required.

## 2.7.7 Test Location and Test Equipment Used

This test was carried out in RF Chamber 15.

| Instrument                                       | Manufacturer       | Type No.             | TE No. | Calibration Period (months) | Calibration Expiry Date |
|--------------------------------------------------|--------------------|----------------------|--------|-----------------------------|-------------------------|
| Emissions Software                               | TUV SUD            | EmX V3.6.3 V.        | 5125   | -                           | O/P Mon                 |
| 1500W (300V 12A) AC Power Supply                 | iTech              | IT7324               | 5956   | -                           | O/P Mon                 |
| 5m Semi-Anechoic Chamber (Dual-Axis), Chamber 15 | Albatross Projects | RF Chamber 15        | 5963   | 36                          | 23-Apr-2028             |
| 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                      |
| Horn Antenna (1-10 GHz)                          | Schwarzbeck        | BBHA9120B            | 6141   | 12                          | 14-Sep-2026             |
| SAC Switch Unit                                  | TUV SUD            | TUV_SSU_001          | 6144   | 12                          | 05-Dec-2026             |
| Digital Multimeter                               | Fluke              | 115                  | 6146   | 12                          | 03-Jun-2027             |
| EMC Test Receiver                                | Rohde & Schwarz    | ESW44                | 6333   | 12                          | 08-May-2027             |
| 8M SMA Cable                                     | Junkosha           | MWX221-08000AMSAMS/B | 6833   | 12                          | 18-Aug-2026             |
| 1m SMA-Type Cable                                | Junkosha           | MWX221-01000AMSAMS/B | 6840   | 12                          | 23-Sep-2026             |
| 1m SMA-Type Cable                                | Junkosha           | MWX221-01000AMSAMS/B | 6845   | 12                          | 06-Sep-2026             |
| Humidity & Temperature meter                     | Fluke              | 971                  | 7103   | 12                          | 05-Aug-2026             |

**Table 77**

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



## **2.8 Spurious Radiated Emissions**

### **2.8.1 Specification Reference**

FCC 47 CFR Part 15C, Clause 15.209 and 15.247 (d)  
ISED RSS-247, Clause 2.4 and 6.6  
ISED RSS-GEN, Clause 6.13 and 8.9

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

A3469, S/N: CGQ3MY5262 - Modification State 0  
A3469, S/N: CYK71DJW99 - Modification State 0

### **2.8.3 Date of Test**

15-August-2026 to 04-September-2026

### **2.8.4 Test Method**

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

The EUT was placed on the non-conducting platform in a manner typical of a normal installation.

Pre-scans in the 30 MHz to 1 GHz & 18 GHz to 26GHz range were limited to mid channel (2441 MHz).

The plots shown are the characterisation of the EUT. The limits on the plots represent the most stringent case for restricted bands, (74/54 dBµV/m) when compared to 20 dBc outside restricted bands. The limits shown have been used as a threshold to determine where further measurements are necessary. Where results are within 20 dB of the limits shown on the plots, further investigation was carried out and reported in results tables.

Ports on the EUT were terminated with loads as described in ANSI C63.4 clause 6.2.4. For EUT's with multiple connectors of the same type, additional interconnecting cables were connected, and pre-scans performed to determine whether the level of the emissions were increased by >2 dB.

The following conversion can be applied to convert from dBµV/m to µV/m:  
 $10^{(\text{Field Strength in dB}\mu\text{V/m}/20)}$

Above 18 GHz, the measurement distance was reduced to 1 m. The limit line was increased by  $20 \cdot \text{LOG}(3/1) = 9.54$  dB.

Where formal measurements have been necessary, the results have been presented in the emissions table.

A reduced frequency range for testing was employed on some of the test modes within this test section, based on the manufacturers RSE test plan. With any reduction based on their pre-assessment of the device, to determine the ranges and test channels that were most likely to produce emissions.



## 2.8.7 Test Results

### 2.4 GHz Bluetooth - FHSS

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

**Table 78 - 2402 MHz, DH5, iPA, Core 0 + Core 1, 1 to 18 GHz**

\*No emissions found within 20 dB of the limit.

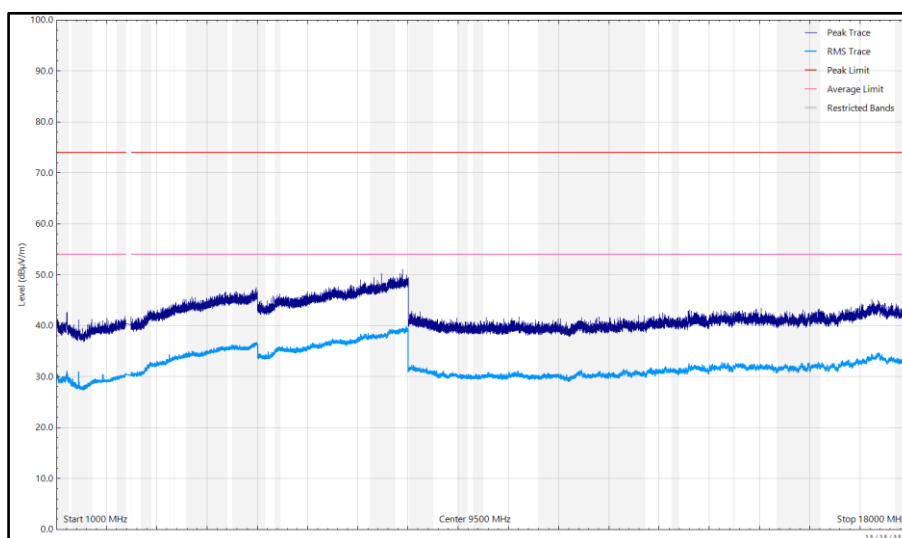


**Figure 108 - 2402 MHz, DH5, iPA, Core 0 + Core 1, 1 GHz to 18 GHz, Horizontal**

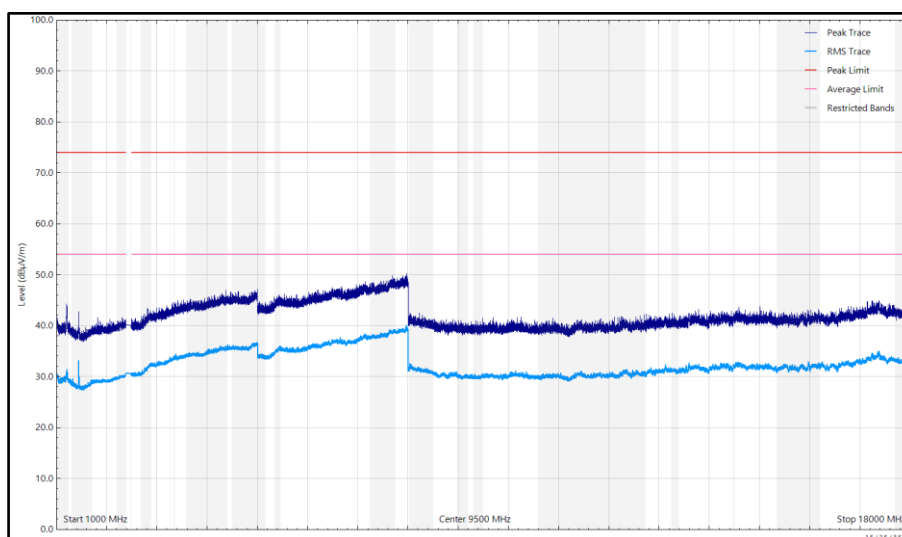


**Figure 109 - 2402 MHz, DH5, iPA, Core 0 + Core 1, 1 GHz to 18 GHz, Vertical**

| Frequency (MHz) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------|----------------|-------------|----------|-----------|-------------|--------------|
| 37.819          | 20.43          | 40.00          | -19.57      | Q-Peak   | 287       | 241         | Vertical     |
| 74.345          | 17.43          | 40.00          | -22.57      | Q-Peak   | 272       | 297         | Horizontal   |
| 109.007         | 18.40          | 43.50          | -25.10      | Q-Peak   | 350       | 392         | Horizontal   |
| 113.708         | 17.83          | 43.50          | -25.67      | Q-Peak   | 43        | 108         | Vertical     |
| 170.605         | 19.90          | 43.50          | -23.60      | Q-Peak   | 341       | 389         | Vertical     |

**Table 79 - 2441 MHz, DH5, iPA, Core 0 + Core 1, 30 MHz to 26 GHz**

No other emissions found within 20 dB of the limit.

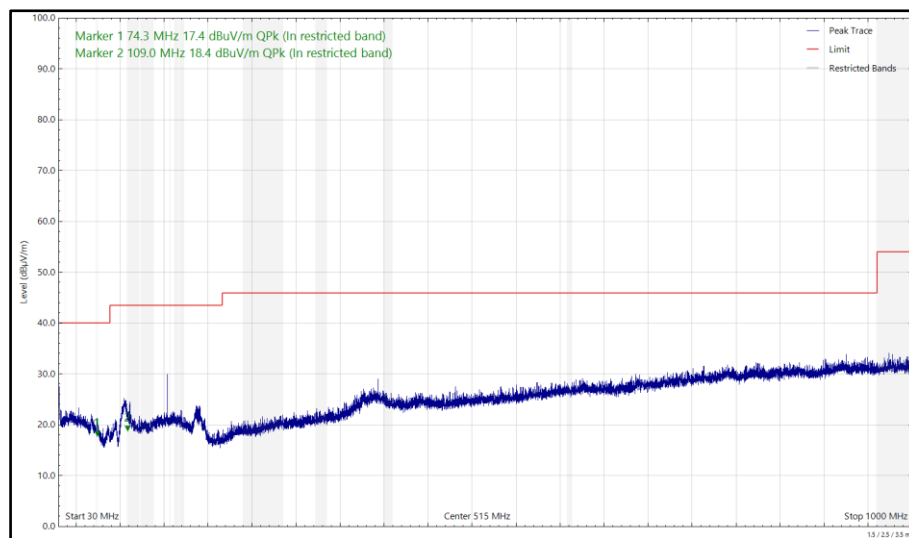


**Figure 110 - 2441 MHz, DH5, iPA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)**

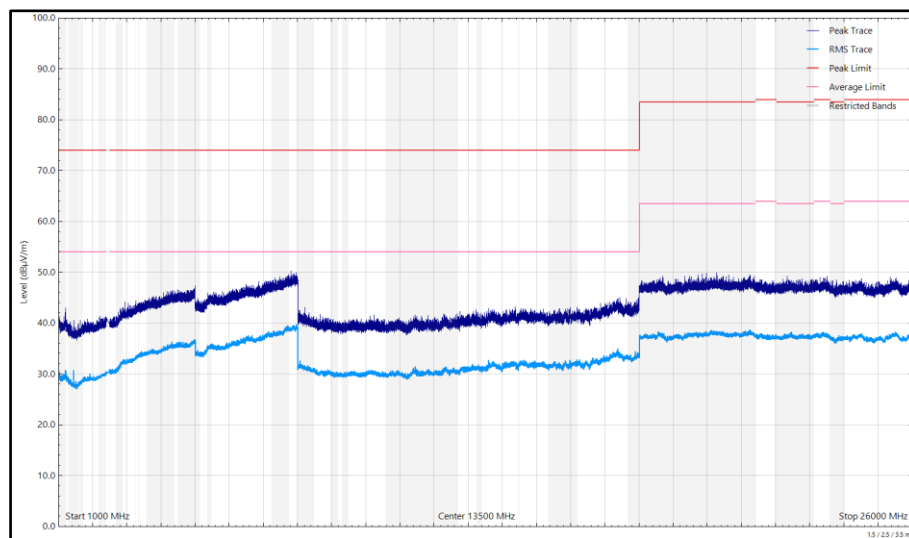


**Figure 111 - 2441 MHz, DH5, iPA, Core 0 + Core 1, 1 GHz to 26 GHz, Horizontal**

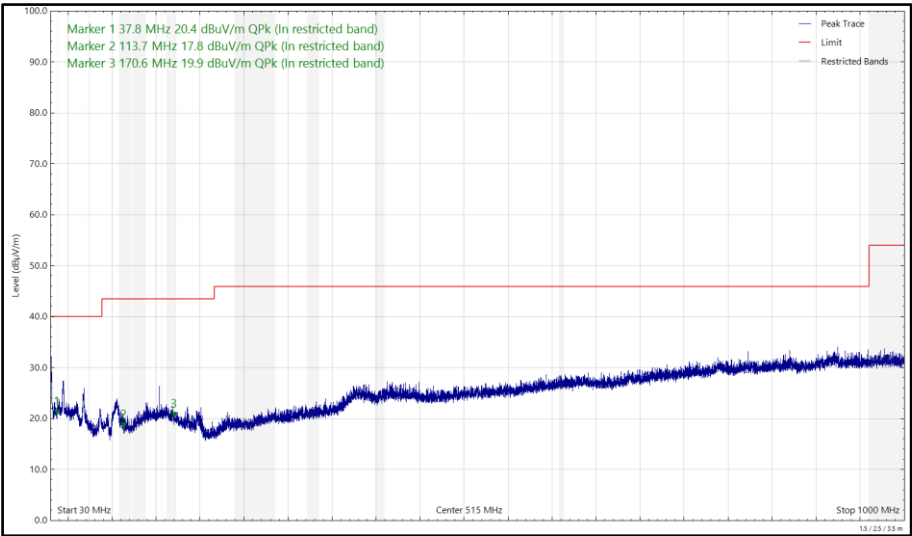


Figure 112 - 2441 MHz, DH5, iPA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

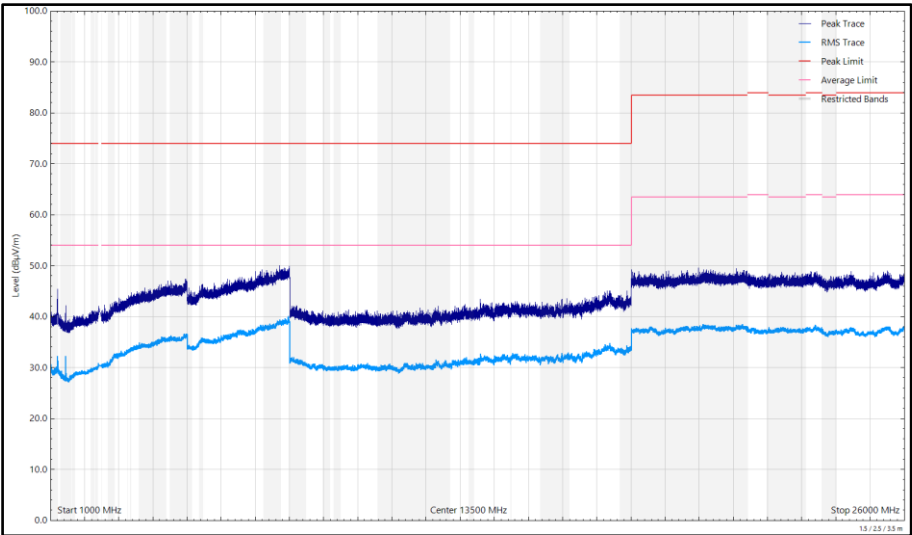


Figure 113 - 2441 MHz, DH5, iPA, Core 0 + Core 1, 1 GHz to 26 GHz, Vertical



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

Table 80 - 2480 MHz, DH5, iPA, Core 0 + Core 1, 1 to 18 GHz

\*No emissions found within 20 dB of the limit.

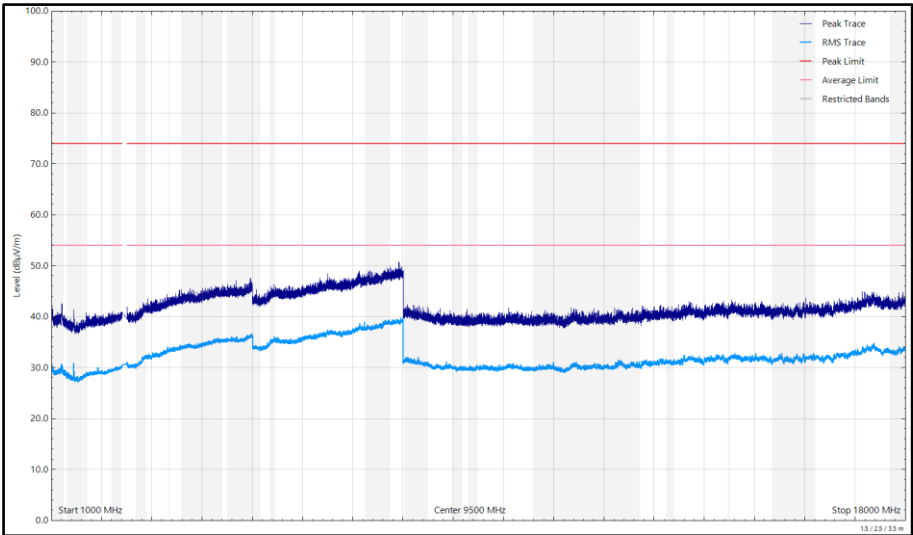


Figure 114 - 2480 MHz, DH5, iPA, Core 0 + Core 1, 1 GHz to 18 GHz, Horizontal

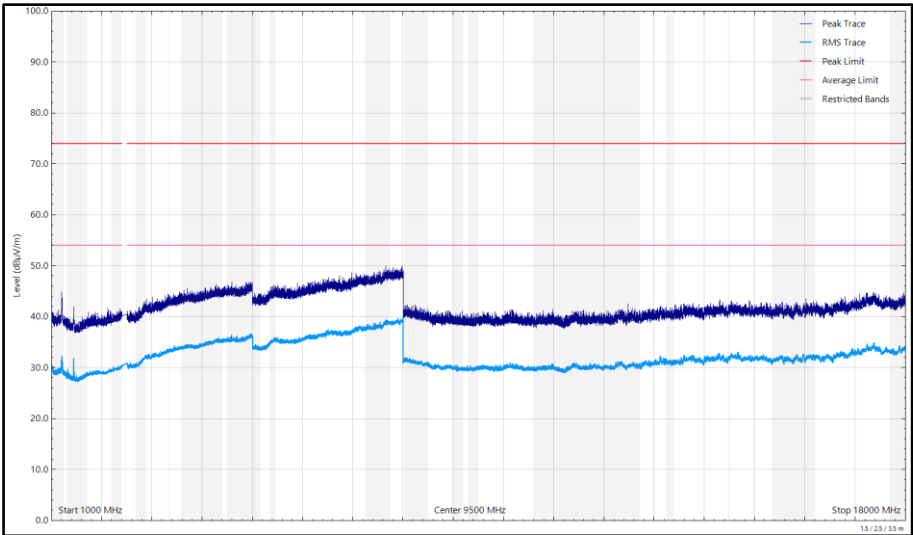


Figure 115 - 2480 MHz, DH5, iPA, Core 0 + Core 1, 1 GHz to 18 GHz, Vertical



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

Table 81 - 2402 MHz, DH5, iPA, Core 2, 1 to 18 GHz

\*No emissions found within 20 dB of the limit.

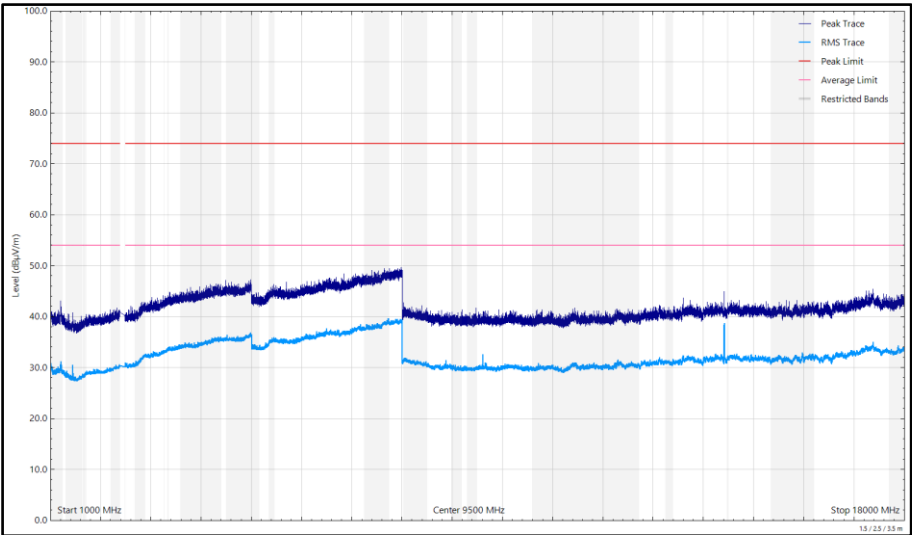


Figure 116 - 2402 MHz, DH5, iPA, Core 2, 1 GHz to 18 GHz, Horizontal

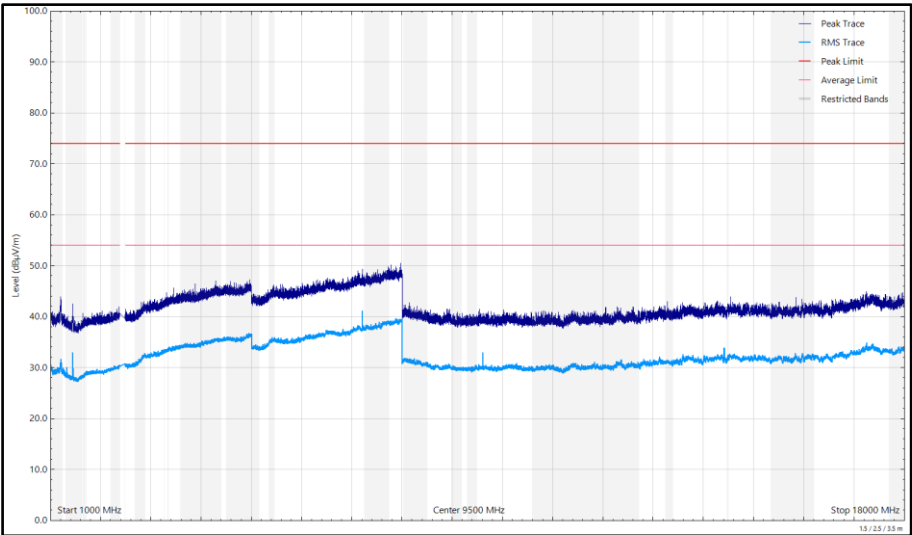


Figure 117 - 2402 MHz, DH5, iPA, Core 2, 1 GHz to 18 GHz, Vertical

| Frequency (MHz) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------|----------------|-------------|----------|-----------|-------------|--------------|
| 37.910          | 20.47          | 40.00          | -19.53      | Q-Peak   | 179       | 400         | Vertical     |
| 73.220          | 18.29          | 40.00          | -21.71      | Q-Peak   | 82        | 256         | Horizontal   |
| 74.022          | 19.06          | 40.00          | -20.94      | Q-Peak   | 216       | 102         | Vertical     |
| 110.878         | 18.53          | 43.50          | -24.97      | Q-Peak   | 8         | 376         | Horizontal   |
| 113.714         | 17.64          | 43.50          | -25.86      | Q-Peak   | 119       | 382         | Vertical     |

**Table 82 - 2441 MHz, DH5, iPA, Core 2, 30 MHz to 26 GHz**

No other emissions found within 20 dB of the limit.

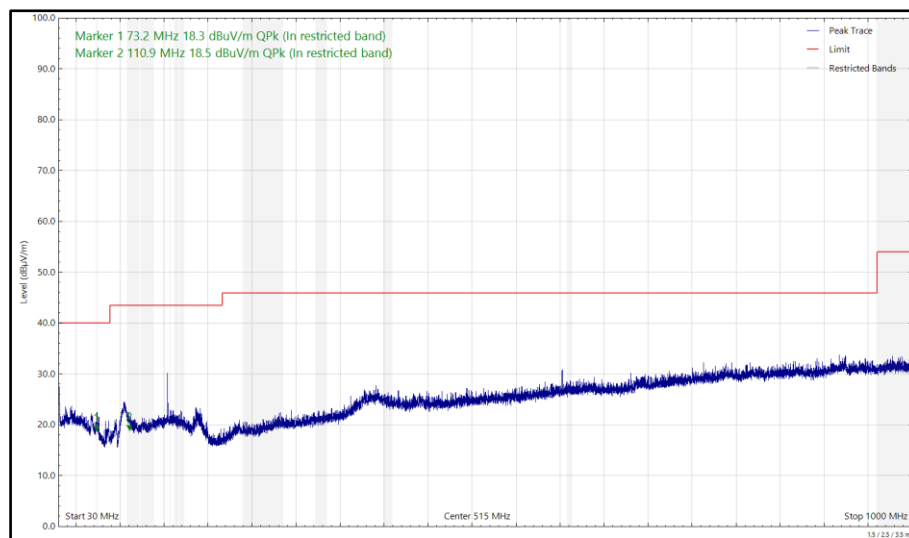


**Figure 118 - 2441 MHz, DH5, iPA, Core 2, 30 MHz to 1 GHz, Horizontal (Peak)**

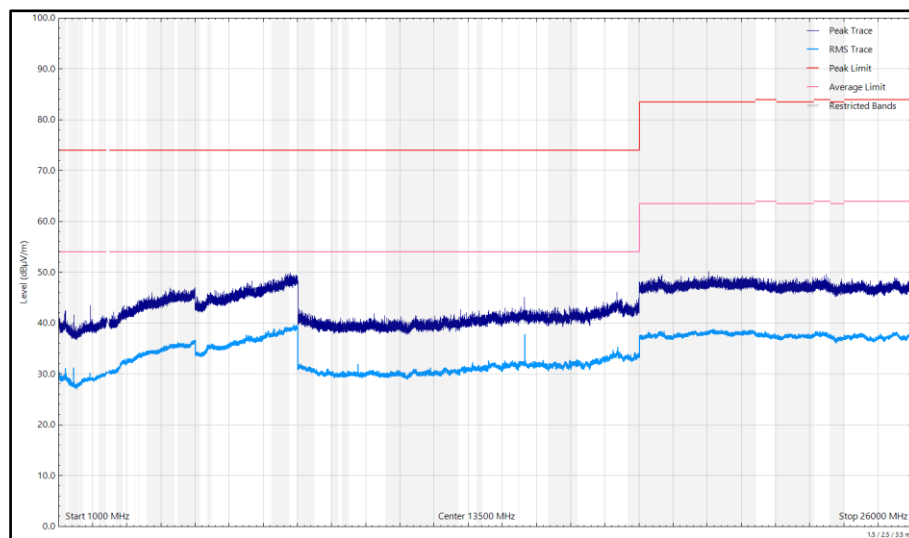


**Figure 119 - 2441 MHz, DH5, iPA, Core 2, 1 GHz to 26 GHz, Horizontal**

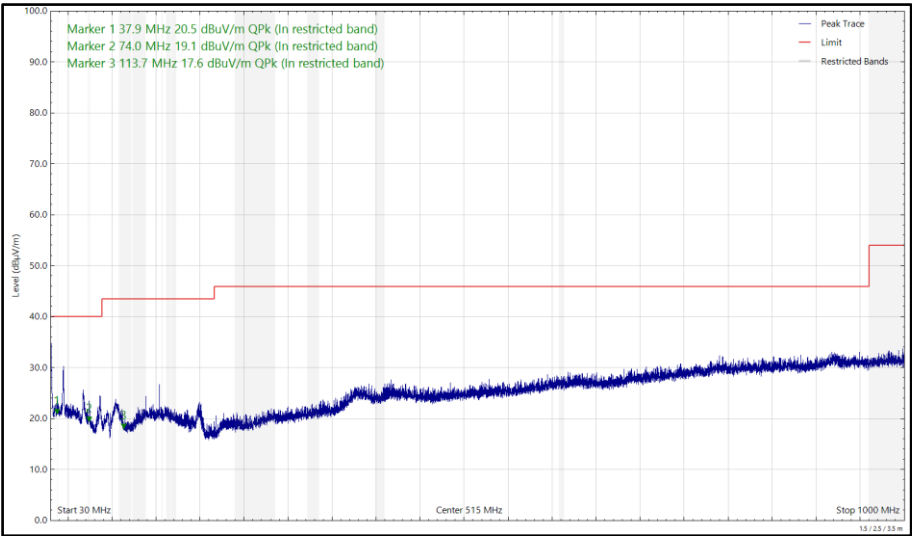


Figure 120 - 2441 MHz, DH5, iPA, Core 2, 30 MHz to 1 GHz, Vertical (Peak)

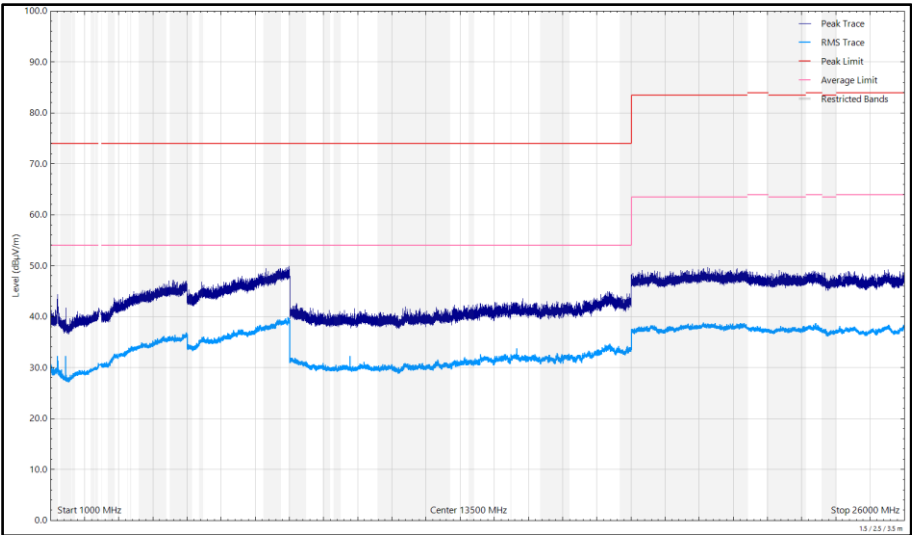


Figure 121 - 2441 MHz, DH5, iPA, Core 2, 1 GHz to 26 GHz, Vertical



| Frequency (MHz) | Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector  | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------|----------------|-------------|-----------|-----------|-------------|--------------|
| 4959.948        | 35.78          | 54.00          | -18.22      | CISPR Avg | 320       | 276         | Vertical     |

Table 83 - 2480 MHz, DH5, iPA, Core 2, 1 to 18 GHz

No other emissions found within 20 dB of the limit.

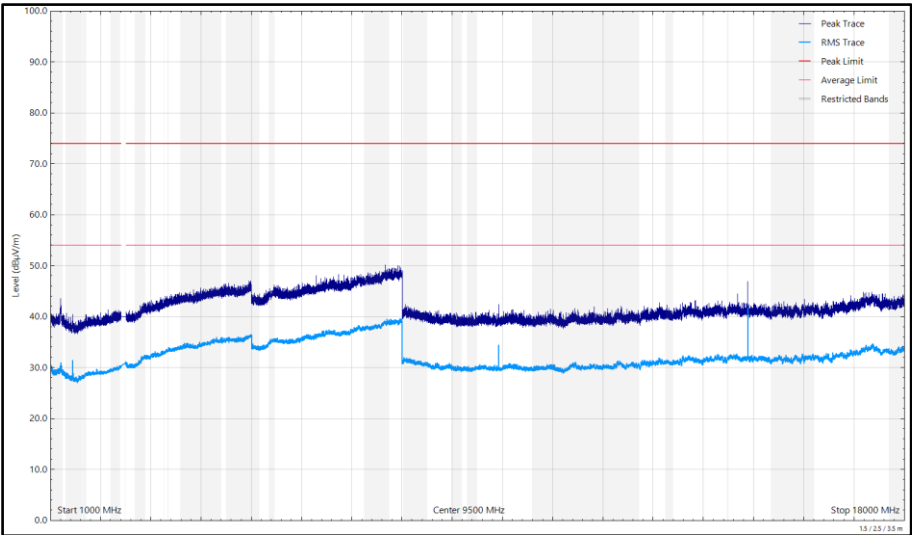


Figure 122 - 2480 MHz, DH5, iPA, Core 2, 1 GHz to 18 GHz, Horizontal

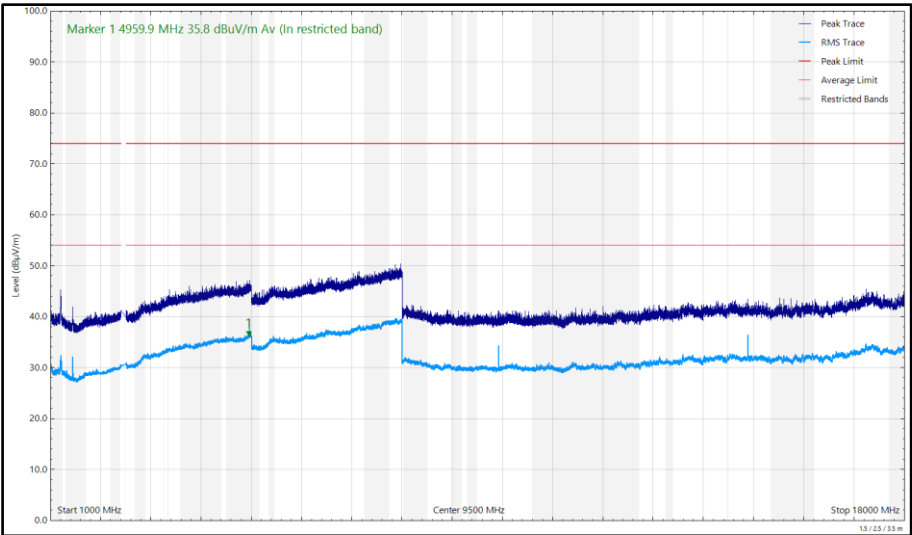


Figure 123 - 2480 MHz, DH5, iPA, Core 2, 1 GHz to 18 GHz, Vertical

| Frequency (MHz) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector  | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------|----------------|-------------|-----------|-----------|-------------|--------------|
| 2370.554        | 32.01          | 54.00          | -21.99      | CISPR Avg | 0         | 346         | Vertical     |
| 2484.472        | 32.29          | 54.00          | -21.71      | CISPR Avg | 356       | 352         | Vertical     |

**Table 84 - 2402 MHz, DH5, ePA, Core 0 + Core 1, 1 to 18 GHz**

No other emissions found within 20 dB of the limit.

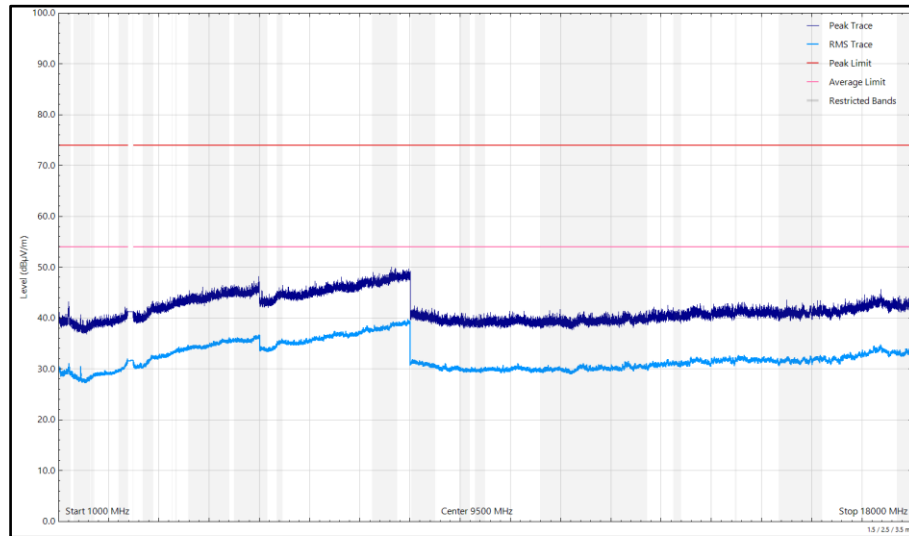


**Figure 124 - 2402 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 18 GHz, Horizontal**

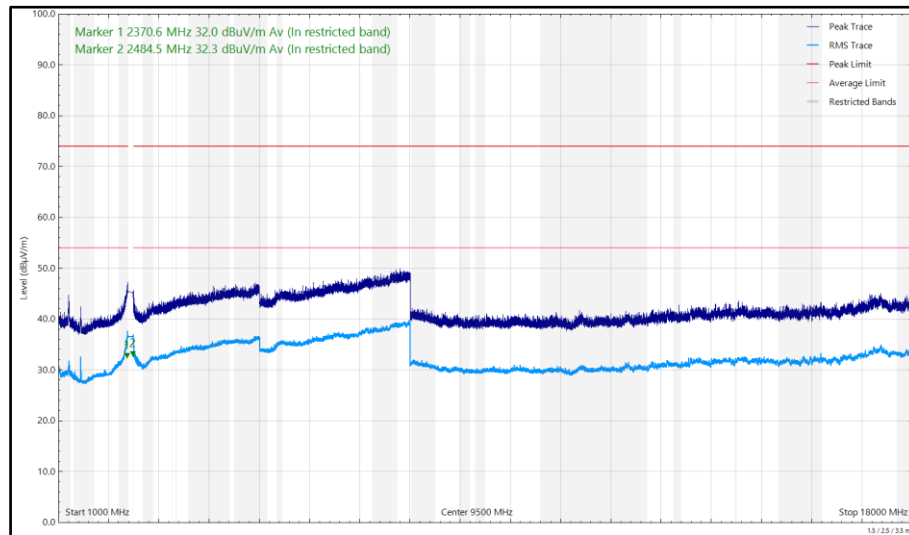


**Figure 125 - 2402 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 18 GHz, Vertical**

| Frequency (MHz) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector  | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------|----------------|-------------|-----------|-----------|-------------|--------------|
| 37.595          | 20.53          | 40.00          | -19.47      | Q-Peak    | 58        | 271         | Vertical     |
| 38.161          | 20.08          | 40.00          | -19.92      | Q-Peak    | 0         | 390         | Horizontal   |
| 73.179          | 18.34          | 40.00          | -21.66      | Q-Peak    | 175       | 268         | Horizontal   |
| 2388.411        | 35.72          | 54.00          | -18.28      | CISPR Avg | 0         | 344         | Vertical     |
| 2484.214        | 33.27          | 54.00          | -20.73      | CISPR Avg | 9         | 350         | Vertical     |

**Table 85 - 2441 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 26 GHz**

No other emissions found within 20 dB of the limit.

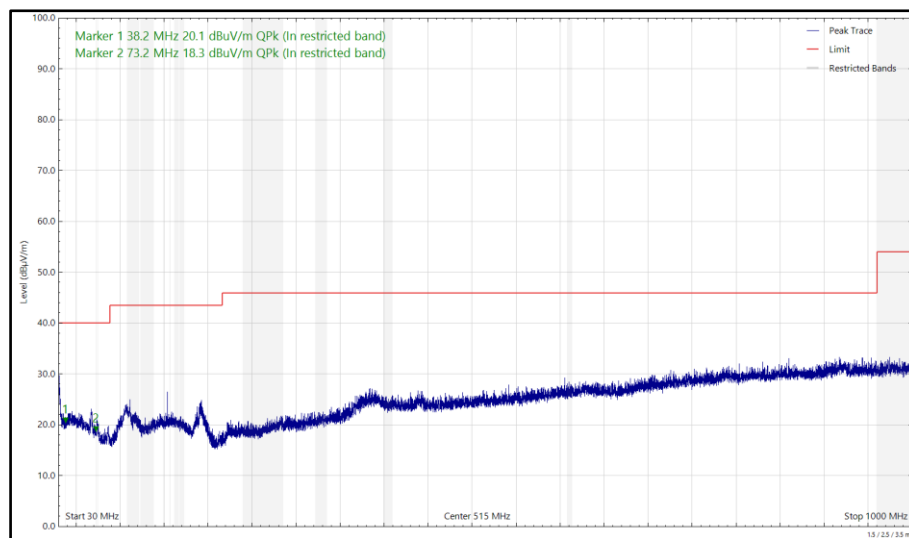


**Figure 126 - 2441 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)**

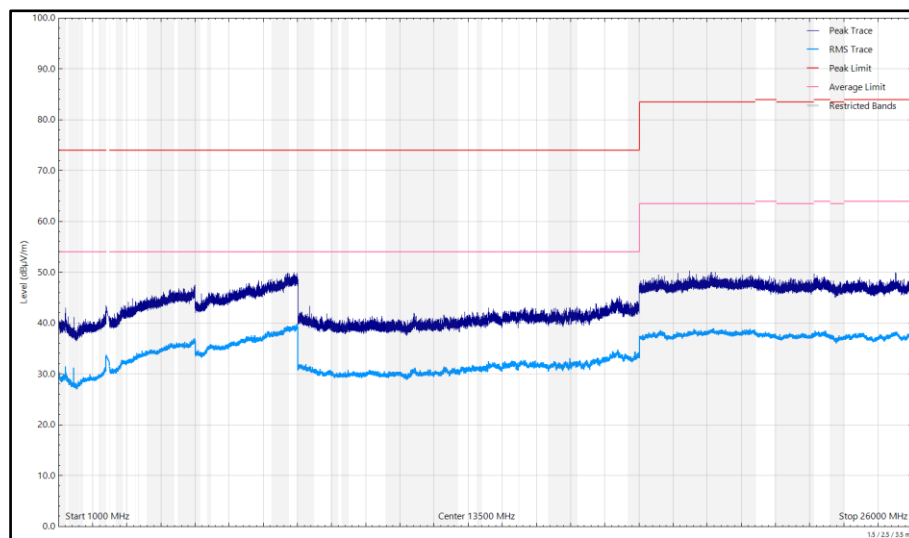


**Figure 127 - 2441 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 26 GHz, Horizontal**

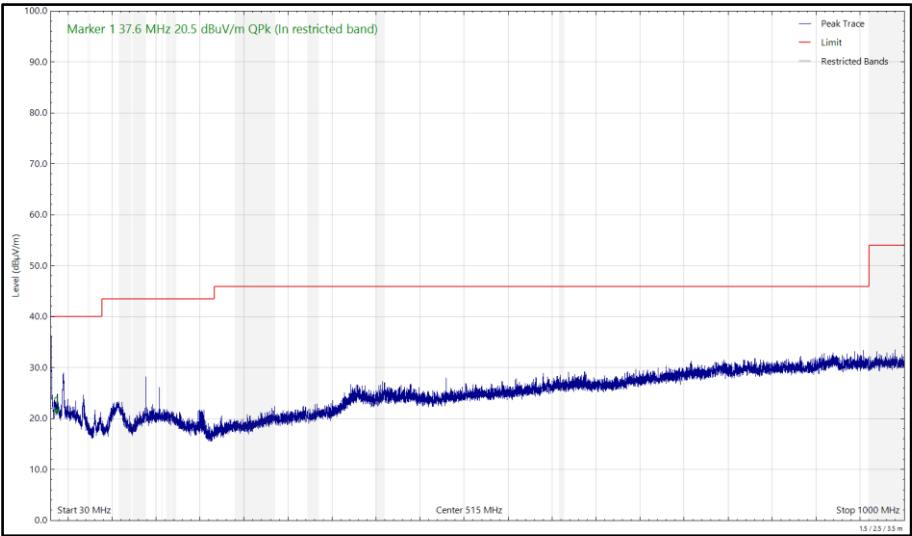


Figure 128 - 2441 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

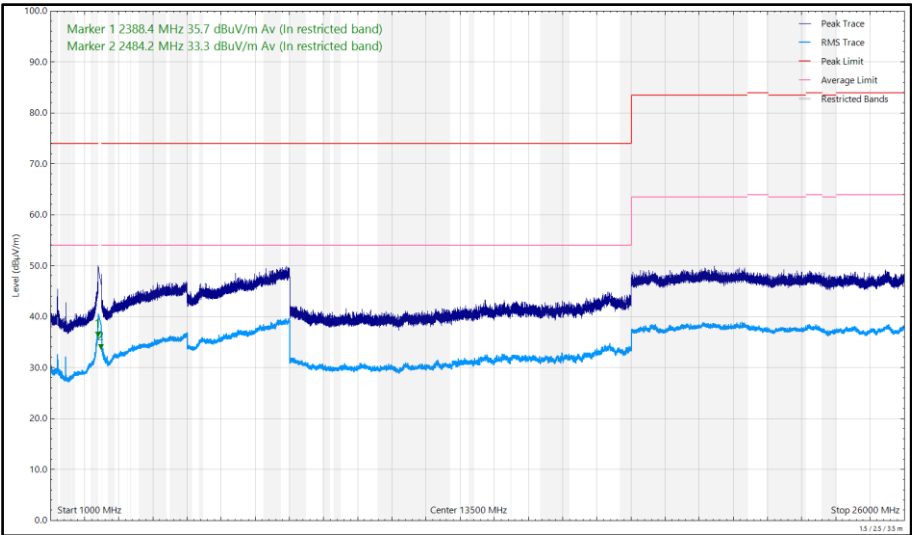


Figure 129 - 2441 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 26 GHz, Vertical

| Frequency (MHz) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector  | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------|----------------|-------------|-----------|-----------|-------------|--------------|
| 2389.080        | 34.42          | 54.00          | -19.58      | CISPR Avg | 8         | 304         | Vertical     |
| 2498.862        | 29.77          | 54.00          | -24.23      | CISPR Avg | 0         | 306         | Vertical     |

**Table 86 - 2480 MHz, DH5, ePA, Core 0 + Core 1, 1 to 18 GHz**

No other emissions found within 20 dB of the limit.

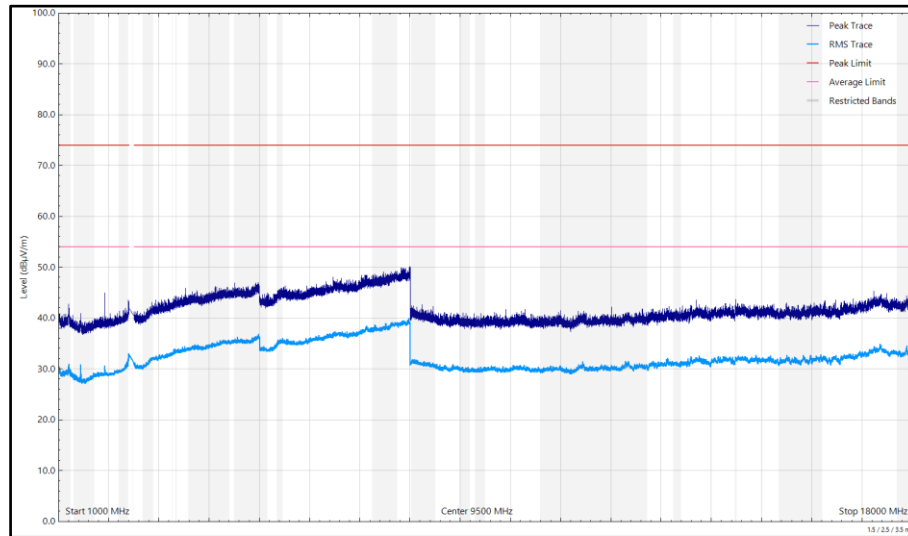


**Figure 130 - 2480 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 18 GHz, Horizontal**

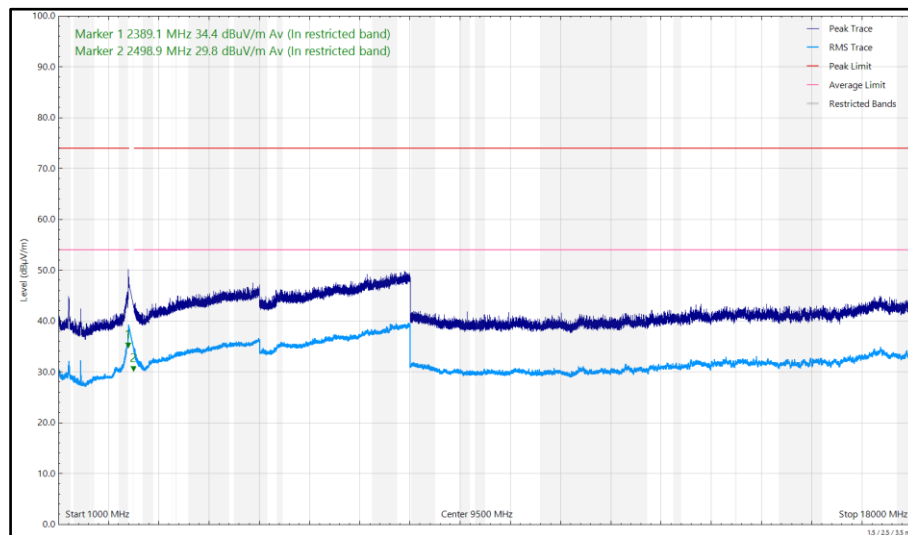


**Figure 131 - 2480 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 18 GHz, Vertical**



FCC 47 CFR Part 15, Limit Clause 15.247 (d)

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.

Attenuation below the general limits specified in § 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in 15.209(a)

ISED RSS-247, Limit Clause 6.6

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the RF power that is produced shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided that the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of root-mean-square averaging over a time interval, as permitted under Section 5.4(4), the attenuation required shall be 30 dB instead of 20 dB. Attenuation below the general field strength limits specified in RSS-Gen is not required.

In addition, radiated emissions which fall in the restricted bands, as defined in RSS-GEN, clause 8.10, must also comply with the radiated emission limits specified in RSS-GEN clause 8.9.



## 2.8.8 Test Location and Test Equipment Used

This test was carried out in RF Chamber 14 and RF Chamber 16.

| Instrument                                   | Manufacturer       | Type No.                  | TE No. | Calibration Period (months) | Calibration Expiry Date |
|----------------------------------------------|--------------------|---------------------------|--------|-----------------------------|-------------------------|
| Emissions Software                           | TUV SUD            | EmX V3.6.3                | 5125   | -                           | TU                      |
| EMI Test Receiver                            | Rohde & Schwarz    | ESW44                     | 5912   | 12                          | 04-Sep-2026             |
| DRG Horn Antenna (7.5-18GHz)                 | Schwarzbeck        | HWRD750                   | 5940   | 12                          | 23-May-2027             |
| TRILOG Super Broadband Test Antenna          | Schwarzbeck        | VULB 9168                 | 5943   | 24                          | 05-Sep-2027             |
| 1500W (300V 12A) AC Power Supply             | iTech              | IT7324                    | 5955   | -                           | TU                      |
| 1500W (300V 12A) AC Power Supply             | iTech              | IT7324                    | 5957   | -                           | TU                      |
| 5m Semi-Anechoic Chamber (Dual-Axis)         | Albatross Projects | RF Chamber 14             | 5958   | 36                          | 23-Apr-2028             |
| Compact Antenna Mast                         | Maturo Gmbh        | CAM4.0-P                  | 5959   | -                           | TU                      |
| Turntable                                    | Maturo Gmbh        | TT1.5SI                   | 5962   | -                           | TU                      |
| 3m Semi-Anechoic Chamber, Chamber16          | Albatross Projects | RF Chamber 16             | 5972   | 36                          | 07-May-2028             |
| Mast & Turntable Controller                  | Maturo Gmbh        | FCU3.0                    | 5973   | -                           | TU                      |
| Tilt Antenna Mast                            | Maturo Gmbh        | BAM4.5-P                  | 5974   | -                           | TU                      |
| Turntable                                    | Maturo Gmbh        | TT1.5SI                   | 5975   | -                           | TU                      |
| Horn Antenna (1-10.5 GHz)                    | Schwarzbeck        | BBHA9120B                 | 6140   | 12                          | 21-Sep-2026             |
| Digital Multimeter                           | Fluke              | 115                       | 6145   | 12                          | 02-Jun-2027             |
| Digital Multimeter                           | Fluke              | 115                       | 6147   | 12                          | 03-Jun-2027             |
| Double Ridge Active Horn Antenna (18-40 GHz) | Com-Power          | AHA-840                   | 6189   | 24                          | 26-Sep-2026             |
| SAC Switch Unit                              | TUV SUD            | TUV_SSU_001               | 6190   | 12                          | 11-Dec-2026             |
| SAC Switch Unit                              | TUV SUD            | TUV_SSU_001               | 6191   | 12                          | 18-Dec-2026             |
| 8GHz Highpass Filter                         | Wainwright         | WHKX 7150 8000 18000 50SS | 6195   | 12                          | 23-Apr-2027             |
| Attenuator 4dB                               | Pasternack         | PE7074-4                  | 6201   | 24                          | 05-Sep-2027             |
| Cable (SMA to SMA 20cm)                      | TUV SUD            | MH-FH 8-18                | 6214   | 12                          | 23-Apr-2027             |
| Cable (K Type 2m)                            | Junkosha           | MWX241-02000KMSKMS/B      | 6323   | 12                          | 27-Apr-2027             |
| Mast & Turntable Controller                  | Maturo Gmbh        | FCU3.0                    | 6795   | -                           | TU                      |
| Tilt Antenna Mast                            | Maturo Gmbh        | BAM4.5-P                  | 6796   | -                           | TU                      |
| EMI Test Receiver                            | Rohde & Schwarz    | ESW44                     | 6805   | 12                          | 22-Sep-2026             |
| Handheld Hygrometer                          | Fluke              | 971                       | 6837   | 12                          | 16-Sep-2026             |
| Handheld Hygrometer                          | Fluke              | 971                       | 6838   | 12                          | 16-Sep-2026             |
| 1m SMA-Type Cable                            | Junkosha           | MWX221-01000AMSAMS/B      | 6842   | 12                          | 23-Sep-2026             |
| 1m SMA-Type Cable                            | Junkosha           | MWX221-01000AMSAMS/B      | 6843   | 12                          | 06-Sep-2026             |
| 1m SMA-Type Cable                            | Junkosha           | MWX221-01000AMSAMS/B      | 6844   | 12                          | 06-Sep-2026             |



|                    |                     |                      |      |    |             |
|--------------------|---------------------|----------------------|------|----|-------------|
| 8m SMA-Type Cable  | Junkosha            | MWX221-08000AMSAMS/B | 6848 | 12 | 23-Oct-2026 |
| 8m SMA-Type Cable  | Junkosha            | MWX221-08000AMSAMS/B | 6849 | 12 | 06-Nov-2026 |
| Pre Amp 8 - 18 GHz | Wright Technologies | APS06-0061           | 6985 | 12 | 23-Apr-2027 |

**Table 87**

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

### 3 Measurement Uncertainty

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

| Test Name                                              | Measurement Uncertainty                                        |
|--------------------------------------------------------|----------------------------------------------------------------|
| Restricted Band Edges                                  | 30 MHz to 1 GHz: $\pm 5.2$ dB<br>1 GHz to 40 GHz: $\pm 6.3$ dB |
| Frequency Hopping Systems - Average Time of Occupancy  | -                                                              |
| Frequency Hopping Systems - Channel Separation         | $\pm 33.87$ kHz                                                |
| Frequency Hopping Systems - Number of Hopping Channels | -                                                              |
| Frequency Hopping Systems - 20 dB Bandwidth            | $\pm 33.87$ kHz                                                |
| Maximum Conducted Output Power                         | Method PM: $\pm 0.65$ dB<br>Method SA: $\pm 1.05$ dB           |
| Authorised Band Edges                                  | 30 MHz to 1 GHz: $\pm 5.2$ dB<br>1 GHz to 40 GHz: $\pm 6.3$ dB |
| Spurious Radiated Emissions                            | 30 MHz to 1 GHz: $\pm 5.2$ dB<br>1 GHz to 40 GHz: $\pm 6.3$ dB |

**Table 88**

#### 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.