

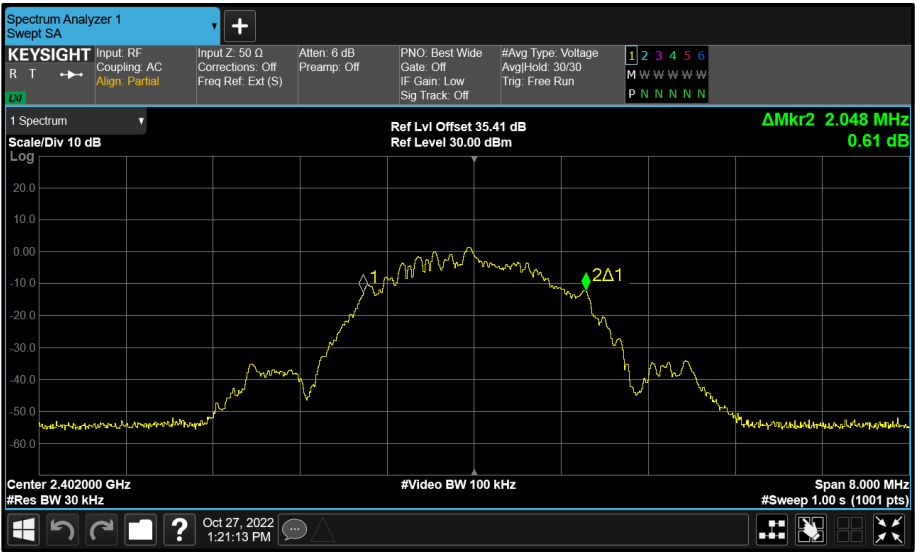


Figure 155 - Core 1 (B) 2402 MHz (CH37) 99% Bandwidth

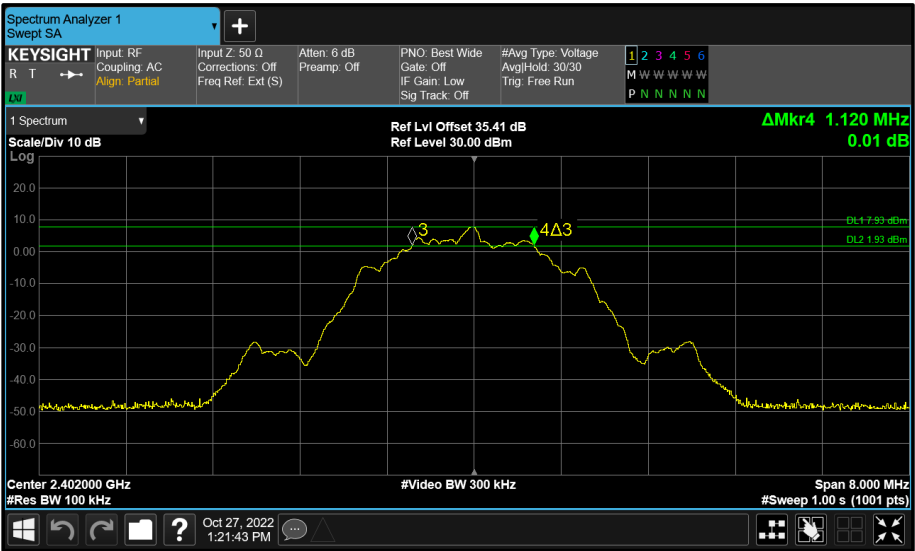
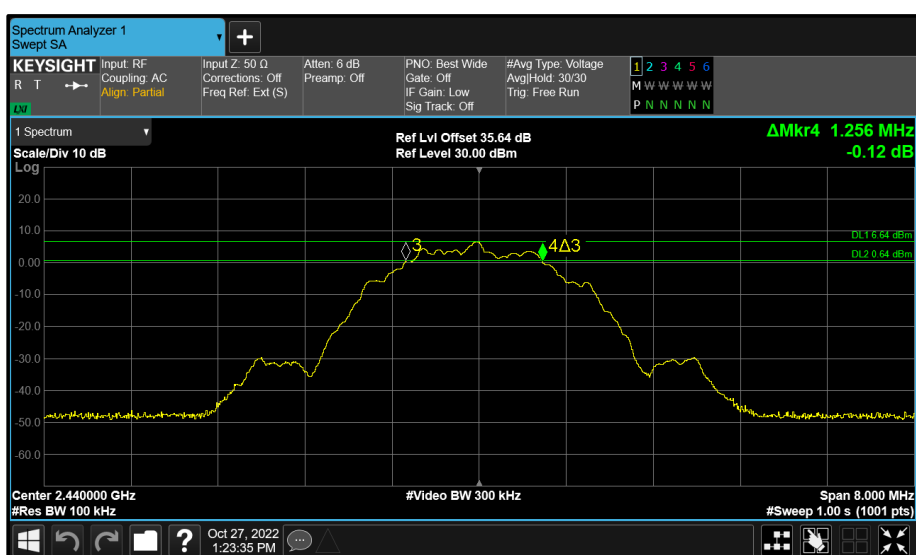
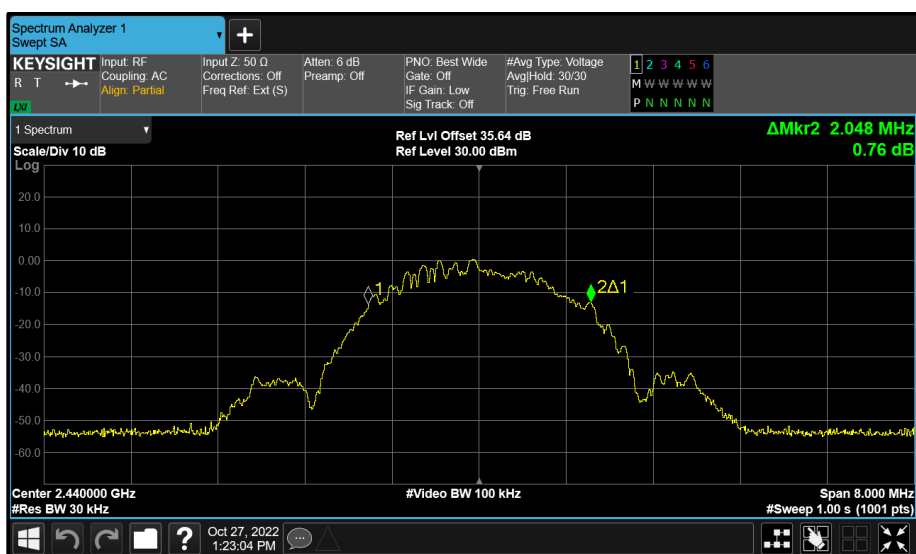


Figure 156 - Core 1 (B) 2402 MHz (CH37) 6 dB Bandwidth



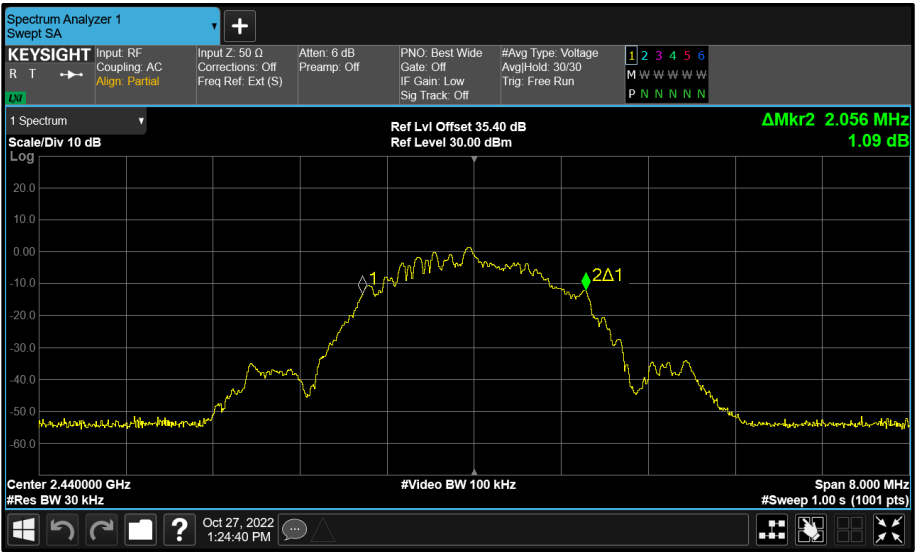


Figure 159 - Core 1 (B) 2440 MHz (CH17) 99% Bandwidth

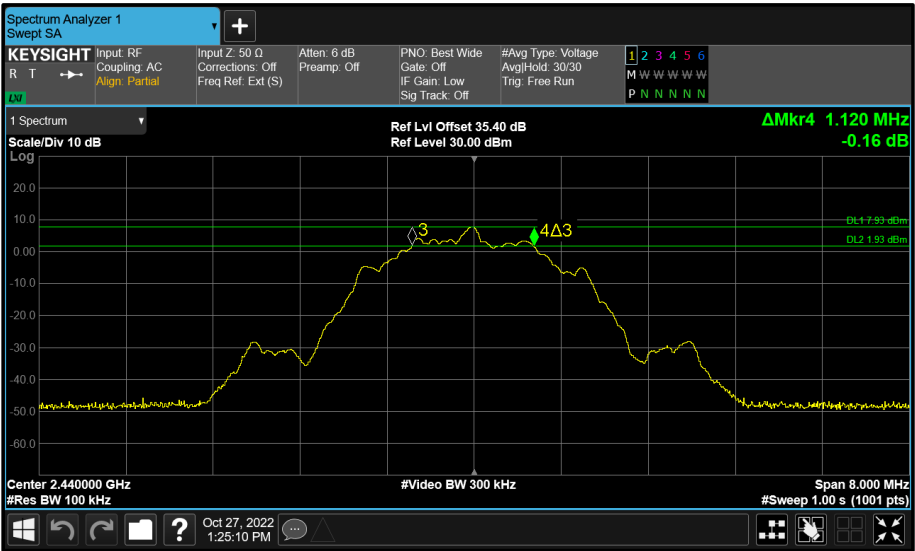


Figure 160 - Core 1 (B) 2440 MHz (CH17) 6 dB Bandwidth

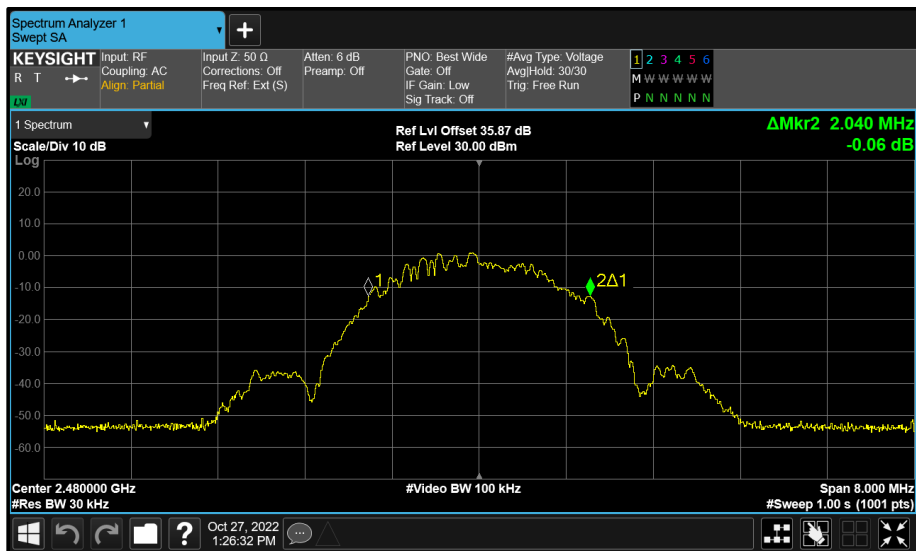


Figure 161 - Core 0 (A) 2480 MHz (CH39) 99% Bandwidth

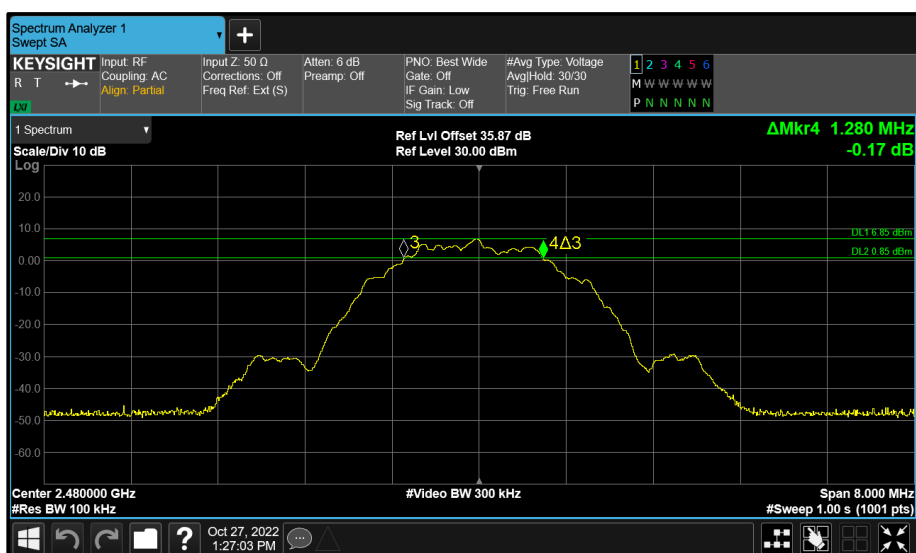


Figure 162 - Core 0 (A) 2480 MHz (CH39) 6 dB Bandwidth

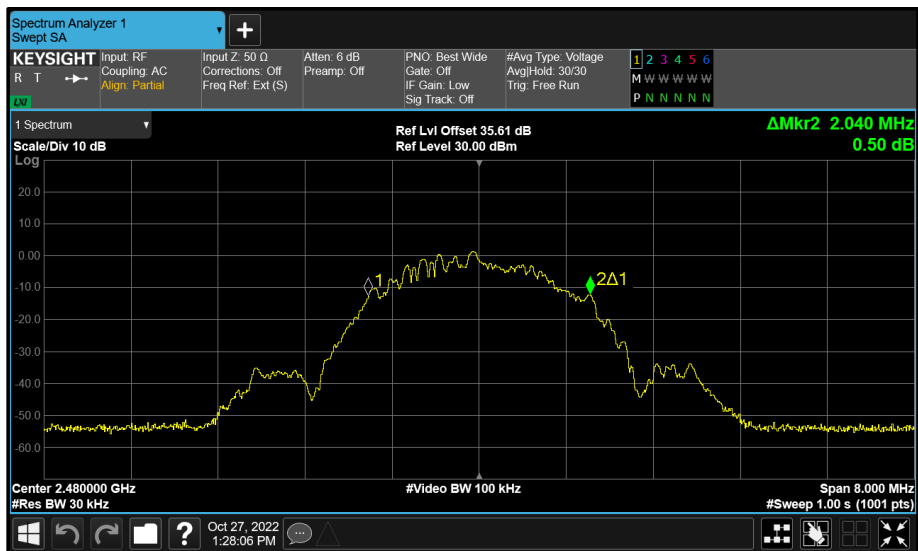


Figure 163 - Core 1 (B) 2480 MHz (CH39) 99% Bandwidth

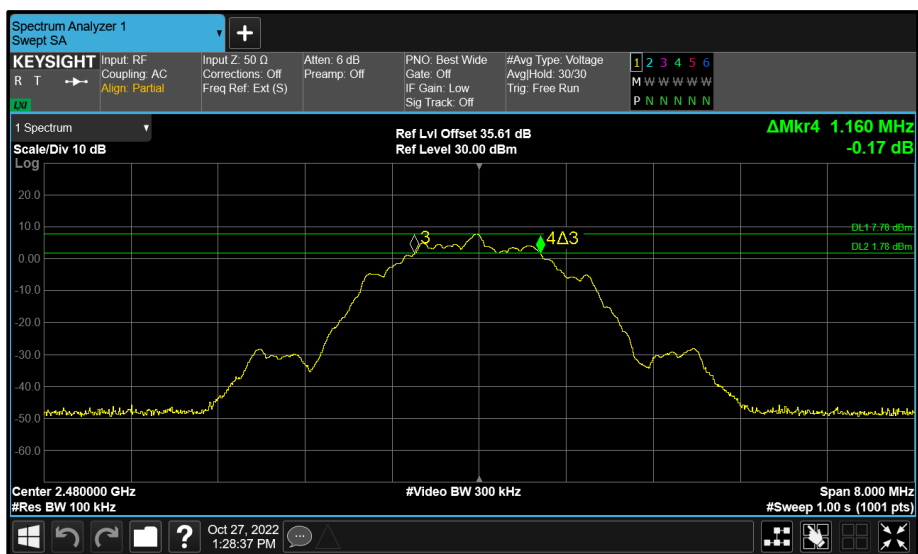


Figure 164 - Core 1 (B) 2480 MHz (CH39) 6 dB Bandwidth

FCC 47 CFR Part 15, Limit Clause 15.247(a)(2) and ISSED RSS-247, Clause 5.2(a)

The minimum 6 dB Bandwidth shall be at least 500 kHz.



## 2.2.7 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 Expires |
|------------------------------|-----------------------|---------------------------|-------|-----------------------------|---------------------|
| Multimeter                   | Fluke                 | 79 Series III             | 611   | 12                          | 21-Dec-2022         |
| Hygrometer                   | Rotronic              | I-1000                    | 3220  | 12                          | 05-Nov-2022         |
| Frequency Standard           | Spectracom            | SecureSync 1200-0408-0601 | 4393  | 6                           | 01-Feb-2023         |
| AC Programmable Power Supply | iTech                 | IT7324                    | 5226  | -                           | O/P Mon             |
| MXA Signal Analyser          | Keysight Technologies | N9020B                    | 5529  | 24                          | 13-Sep-2024         |
| Signal Conditioning Unit     | TUV SUD               | SPECTRUM SCU002           | 5759  | 12                          | 05-Jul-2023         |

**Table 58**

O/P Mon – Output Monitored using calibrated equipment



## **2.3 Maximum Conducted Output Power**

### **2.3.1 Specification Reference**

FCC 47 CFR Part 15C, Clause 15.247 (b)  
ISED RSS-247, Clause 5.4  
ISED RSS-GEN, Clause 6.12

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

A2779, S/N: NX7LCFL417 - Modification State 0

### **2.3.3 Date of Test**

14-October-2022

### **2.3.4 Test Method**

The test was performed in accordance with ANSI C63.10 2013, clause 11.9.1.3 Method PKPM1 for FCC testing and ANSI C63.10 2020, clause 11.9.1.2 for ISED testing.

MIMO output port summing was performed in accordance with KDB 662911 D01.

### **2.3.5 Environmental Conditions**

|                     |         |
|---------------------|---------|
| Ambient Temperature | 23.6 °C |
| Relative Humidity   | 50.4 %  |



## 2.3.6 Test Results

### 2.4 GHz Bluetooth - DTS

| Test Configuration       |                                 |                 |                 |
|--------------------------|---------------------------------|-----------------|-----------------|
| Frequency Range:         | 2400-2483.5 MHz                 | Band:           | 2.4 GHz         |
| Limit Clause(s):         | 15.247 (b)(3)<br>RSS-247 5.4 d) | Test Method(s): | C63.10 11.9.1.2 |
| Additional Reference(s): | -                               |                 |                 |

| DUT Configuration      |                           |                          |      |
|------------------------|---------------------------|--------------------------|------|
| Mode:                  | ePA $\pi/4$ DQPSK (4-DH5) | Duty Cycle (%):          | 78.1 |
| Antenna Configuration: | SISO                      | DCCF (dB):               | -    |
| Active Port(s):        | B (Core 1)                | Peak Antenna Gain (dBi): | 4.93 |

| Test Frequency (MHz) | Maximum Conducted Output Power (dBm) |       |   |   |          | Limit (dBm) | Margin (dB) |
|----------------------|--------------------------------------|-------|---|---|----------|-------------|-------------|
|                      | A                                    | B     | C | D | $\Sigma$ |             |             |
| 2404                 | -                                    | 17.80 | - | - | -        | 30.00       | -12.20      |
| 2441                 | -                                    | 18.06 | - | - | -        | 30.00       | -11.94      |
| 2476                 | -                                    | 18.21 | - | - | -        | 30.00       | -11.79      |

**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 | $\Sigma$ |             |             |            |                  |                  |
| 2404                 | -                                    | 17.80 | - | - | -        | 30.00       | -12.20      | 22.73      | 36.00            | -13.27           |
| 2441                 | -                                    | 18.06 | - | - | -        | 30.00       | -11.94      | 22.99      | 36.00            | -13.01           |
| 2476                 | -                                    | 18.21 | - | - | -        | 30.00       | -11.79      | 23.14      | 36.00            | -12.86           |

**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>RSS-247 5.4 d) | Test Method(s): | C63.10 11.9.1.2 |
| Additional Reference(s): | -                               |                 |                 |

| DUT Configuration      |                           |                          |      |
|------------------------|---------------------------|--------------------------|------|
| Mode:                  | ePA $\pi/4$ DQPSK (8-DH5) | Duty Cycle (%):          | 78.2 |
| Antenna Configuration: | SISO                      | DCCF (dB):               | -    |
| Active Port(s):        | B (Core 1)                | Peak Antenna Gain (dBi): | 4.93 |

| Test Frequency (MHz) | Maximum Conducted Output Power (dBm) |       |   |   |          | Limit (dBm) | Margin (dB) |
|----------------------|--------------------------------------|-------|---|---|----------|-------------|-------------|
|                      | A                                    | B     | C | D | $\Sigma$ |             |             |
| 2404                 | -                                    | 18.16 | - | - | -        | 30.00       | -11.84      |
| 2441                 | -                                    | 18.20 | - | - | -        | 30.00       | -11.80      |
| 2476                 | -                                    | 18.12 | - | - | -        | 30.00       | -11.88      |

**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 | $\Sigma$ |             |             |            |                  |                  |
| 2404                 | -                                    | 18.16 | - | - | -        | 30.00       | -11.84      | 23.09      | 36.00            | -12.91           |
| 2441                 | -                                    | 18.20 | - | - | -        | 30.00       | -11.80      | 23.13      | 36.00            | -12.87           |
| 2476                 | -                                    | 18.12 | - | - | -        | 30.00       | -11.88      | 23.05      | 36.00            | -12.95           |

**Table 62 - 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 5.4 d)                     | Test Method(s): | C63.10 11.9.1.2 |
| Additional Reference(s): | 662911 D01 v02r01 F)2)d)(i), 662911 D01 v02r01 E)1) |                 |                 |

| DUT Configuration      |                           |                          |      |
|------------------------|---------------------------|--------------------------|------|
| Mode:                  | ePA $\pi/4$ DQPSK (4-DH5) | Duty Cycle (%):          | 78.1 |
| Antenna Configuration: | Beamforming               | DCCF (dB):               | -    |
| Active Port(s):        | A+B (Core 0 + Core 1)     | Peak Antenna Gain (dBi): | 7.87 |

| Test Frequency (MHz) | Maximum Conducted Output Power (dBm) |       |   |   |          | Limit (dBm) | Margin (dB) |
|----------------------|--------------------------------------|-------|---|---|----------|-------------|-------------|
|                      | A                                    | B     | C | D | $\Sigma$ |             |             |
| 2404                 | 17.68                                | 16.88 | - | - | 20.28    | 28.13       | -7.85       |
| 2441                 | 18.11                                | 17.54 | - | - | 20.71    | 28.13       | -7.42       |
| 2476                 | 17.84                                | 17.37 | - | - | 20.60    | 28.13       | -7.53       |

**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 | $\Sigma$ |             |             |            |                  |                  |
| 2404                 | 17.68                                | 16.88 | - | - | 20.28    | 30.00       | -9.72       | 28.15      | 36.00            | -7.85            |
| 2441                 | 18.11                                | 17.54 | - | - | 20.71    | 30.00       | -9.29       | 28.58      | 36.00            | -7.42            |
| 2476                 | 17.84                                | 17.37 | - | - | 20.60    | 30.00       | -9.40       | 28.47      | 36.00            | -7.53            |

**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 5.4 d)                     | Test Method(s): | C63.10 11.9.1.2 |
| Additional Reference(s): | 662911 D01 v02r01 F)2)d)(i), 662911 D01 v02r01 E)1) |                 |                 |

| DUT Configuration      |                           |                          |      |
|------------------------|---------------------------|--------------------------|------|
| Mode:                  | ePA $\pi/4$ DQPSK (8-DH5) | Duty Cycle (%):          | 78.2 |
| Antenna Configuration: | Beamforming               | DCCF (dB):               | -    |
| Active Port(s):        | A+B (Core 0 + Core 1)     | Peak Antenna Gain (dBi): | 7.87 |

| Test Frequency (MHz) | Maximum Conducted Output Power (dBm) |       |   |   |          | Limit (dBm) | Margin (dB) |
|----------------------|--------------------------------------|-------|---|---|----------|-------------|-------------|
|                      | A                                    | B     | C | D | $\Sigma$ |             |             |
| 2404                 | 18.20                                | 18.03 | - | - | 21.07    | 28.13       | -7.06       |
| 2441                 | 17.72                                | 17.27 | - | - | 20.44    | 28.13       | -7.69       |
| 2476                 | 17.94                                | 17.53 | - | - | 20.72    | 28.13       | -7.41       |

**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 | $\Sigma$ |             |             |            |                  |                  |
| 2404                 | 18.20                                | 18.03 | - | - | 21.07    | 30.00       | -8.93       | 28.94      | 36.00            | -7.06            |
| 2441                 | 17.72                                | 17.27 | - | - | 20.44    | 30.00       | -9.56       | 28.31      | 36.00            | -7.69            |
| 2476                 | 17.94                                | 17.53 | - | - | 20.72    | 30.00       | -9.28       | 28.59      | 36.00            | -7.41            |

**Table 66 - 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 5.4 d) | Test Method(s): | C63.10 11.9.1.2 |
| Additional Reference(s): | -                               |                 |                 |

| DUT Configuration      |                           |                          |      |
|------------------------|---------------------------|--------------------------|------|
| Mode:                  | iPA $\pi/4$ DQPSK (4-DH5) | Duty Cycle (%):          | 78.1 |
| Antenna Configuration: | SISO                      | DCCF (dB):               | -    |
| Active Port(s):        | B (Core 1)                | Peak Antenna Gain (dBi): | 4.93 |

| Test Frequency (MHz) | Maximum Conducted Output Power (dBm) |      |   |   |          | Limit (dBm) | Margin (dB) |
|----------------------|--------------------------------------|------|---|---|----------|-------------|-------------|
|                      | A                                    | B    | C | D | $\Sigma$ |             |             |
| 2404                 | -                                    | 9.17 | - | - | -        | 30.00       | -20.83      |
| 2441                 | -                                    | 8.97 | - | - | -        | 30.00       | -21.03      |
| 2476                 | -                                    | 8.87 | - | - | -        | 30.00       | -21.13      |

**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 | $\Sigma$ |             |             |            |                  |                  |
| 2404                 | -                                    | 9.17 | - | - | -        | 30.00       | -20.83      | 14.10      | 36.00            | -21.90           |
| 2441                 | -                                    | 8.97 | - | - | -        | 30.00       | -21.03      | 13.90      | 36.00            | -22.10           |
| 2476                 | -                                    | 8.87 | - | - | -        | 30.00       | -21.13      | 13.80      | 36.00            | -22.20           |

**Table 68 - 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 5.4 d) | Test Method(s): | C63.10 11.9.1.2 |
| Additional Reference(s): | -                               |                 |                 |

| DUT Configuration      |                           |                          |      |
|------------------------|---------------------------|--------------------------|------|
| Mode:                  | iPA $\pi/4$ DQPSK (8-DH5) | Duty Cycle (%):          | 78.2 |
| Antenna Configuration: | SISO                      | DCCF (dB):               | -    |
| Active Port(s):        | B (Core 1)                | Peak Antenna Gain (dBi): | 4.93 |

| Test Frequency (MHz) | Maximum Conducted Output Power (dBm) |      |   |   |          | Limit (dBm) | Margin (dB) |
|----------------------|--------------------------------------|------|---|---|----------|-------------|-------------|
|                      | A                                    | B    | C | D | $\Sigma$ |             |             |
| 2404                 | -                                    | 8.71 | - | - | -        | 30.00       | -21.29      |
| 2441                 | -                                    | 8.98 | - | - | -        | 30.00       | -21.02      |
| 2476                 | -                                    | 8.94 | - | - | -        | 30.00       | -21.06      |

**Table 69 - 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 | $\Sigma$ |             |             |            |                  |                  |
| 2404                 | -                                    | 8.71 | - | - | -        | 30.00       | -21.29      | 13.64      | 36.00            | -22.36           |
| 2441                 | -                                    | 8.98 | - | - | -        | 30.00       | -21.02      | 13.91      | 36.00            | -22.09           |
| 2476                 | -                                    | 8.94 | - | - | -        | 30.00       | -21.06      | 13.87      | 36.00            | -22.13           |

**Table 70 - 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 5.4 d) | Test Method(s): | C63.10 11.9.1.2 |
| Additional Reference(s): | -                               |                 |                 |

| DUT Configuration      |                           |                          |      |
|------------------------|---------------------------|--------------------------|------|
| Mode:                  | iPA $\pi/4$ DQPSK (4-DH5) | Duty Cycle (%):          | 78.1 |
| Antenna Configuration: | SISO                      | DCCF (dB):               | -    |
| Active Port(s):        | C (Core 2)                | Peak Antenna Gain (dBi): | 5.25 |

| Test Frequency (MHz) | Maximum Conducted Output Power (dBm) |   |      |   |          | Limit (dBm) | Margin (dB) |
|----------------------|--------------------------------------|---|------|---|----------|-------------|-------------|
|                      | A                                    | B | C    | D | $\Sigma$ |             |             |
| 2404                 | -                                    | - | 9.13 | - | -        | 30.00       | -20.87      |
| 2441                 | -                                    | - | 8.75 | - | -        | 30.00       | -21.25      |
| 2476                 | -                                    | - | 8.78 | - | -        | 30.00       | -21.22      |

**Table 71 - 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 | $\Sigma$ |             |             |            |                  |                  |
| 2404                 | -                                    | - | 9.13 | - | -        | 30.00       | -20.87      | 14.38      | 36.00            | -21.62           |
| 2441                 | -                                    | - | 8.75 | - | -        | 30.00       | -21.25      | 14.00      | 36.00            | -22.00           |
| 2476                 | -                                    | - | 8.78 | - | -        | 30.00       | -21.22      | 14.03      | 36.00            | -21.97           |

**Table 72 - 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 5.4 d) | Test Method(s): | C63.10 11.9.1.2 |
| Additional Reference(s): | -                               |                 |                 |

| DUT Configuration      |                           |                          |      |
|------------------------|---------------------------|--------------------------|------|
| Mode:                  | iPA $\pi/4$ DQPSK (8-DH5) | Duty Cycle (%):          | 78.2 |
| Antenna Configuration: | SISO                      | DCCF (dB):               | -    |
| Active Port(s):        | C (Core 2)                | Peak Antenna Gain (dBi): | 5.25 |

| Test Frequency (MHz) | Maximum Conducted Output Power (dBm) |   |      |   |          | Limit (dBm) | Margin (dB) |
|----------------------|--------------------------------------|---|------|---|----------|-------------|-------------|
|                      | A                                    | B | C    | D | $\Sigma$ |             |             |
| 2404                 | -                                    | - | 8.62 | - | -        | 30.00       | -21.38      |
| 2441                 | -                                    | - | 8.83 | - | -        | 30.00       | -21.17      |
| 2476                 | -                                    | - | 8.98 | - | -        | 30.00       | -21.02      |

**Table 73 - 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 | $\Sigma$ |             |             |            |                  |                  |
| 2404                 | -                                    | - | 8.62 | - | -        | 30.00       | -21.38      | 13.87      | 36.00            | -22.13           |
| 2441                 | -                                    | - | 8.83 | - | -        | 30.00       | -21.17      | 14.08      | 36.00            | -21.92           |
| 2476                 | -                                    | - | 8.98 | - | -        | 30.00       | -21.02      | 14.23      | 36.00            | -21.77           |

**Table 74 - 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 5.4 d)                     | Test Method(s): | C63.10 11.9.1.2 |
| Additional Reference(s): | 662911 D01 v02r01 F)2)d)(i), 662911 D01 v02r01 E)1) |                 |                 |

| DUT Configuration      |                           |                          |      |
|------------------------|---------------------------|--------------------------|------|
| Mode:                  | iPA $\pi/4$ DQPSK (4-DH5) | Duty Cycle (%):          | 78.1 |
| Antenna Configuration: | Beamforming               | DCCF (dB):               | -    |
| Active Port(s):        | A+B (Core 0 + Core 1)     | Peak Antenna Gain (dBi): | 7.87 |

| Test Frequency (MHz) | Maximum Conducted Output Power (dBm) |      |   |   |          | Limit (dBm) | Margin (dB) |
|----------------------|--------------------------------------|------|---|---|----------|-------------|-------------|
|                      | A                                    | B    | C | D | $\Sigma$ |             |             |
| 2404                 | 9.14                                 | 9.06 | - | - | 12.10    | 28.13       | -16.03      |
| 2441                 | 8.75                                 | 8.26 | - | - | 11.49    | 28.13       | -16.64      |
| 2476                 | 8.75                                 | 8.87 | - | - | 11.79    | 28.13       | -16.34      |

**Table 75 - 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 | $\Sigma$ |             |             |            |                  |                  |
| 2404                 | 9.14                                 | 9.06 | - | - | 12.10    | 30.00       | -17.90      | 19.97      | 36.00            | -16.03           |
| 2441                 | 8.75                                 | 8.26 | - | - | 11.49    | 30.00       | -18.51      | 19.36      | 36.00            | -16.64           |
| 2476                 | 8.75                                 | 8.87 | - | - | 11.79    | 30.00       | -18.21      | 19.66      | 36.00            | -16.34           |

**Table 76 - 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 5.4 d)                     | Test Method(s): | C63.10 11.9.1.2 |
| Additional Reference(s): | 662911 D01 v02r01 F)2)d)(i), 662911 D01 v02r01 E)1) |                 |                 |

| DUT Configuration      |                           |                          |      |
|------------------------|---------------------------|--------------------------|------|
| Mode:                  | iPA $\pi/4$ DQPSK (8-DH5) | Duty Cycle (%):          | 78.2 |
| Antenna Configuration: | Beamforming               | DCCF (dB):               | -    |
| Active Port(s):        | A+B (Core 0 + Core 1)     | Peak Antenna Gain (dBi): | 7.87 |

| Test Frequency (MHz) | Maximum Conducted Output Power (dBm) |      |   |   |          | Limit (dBm) | Margin (dB) |
|----------------------|--------------------------------------|------|---|---|----------|-------------|-------------|
|                      | A                                    | B    | C | D | $\Sigma$ |             |             |
| 2404                 | 8.80                                 | 8.55 | - | - | 11.62    | 28.13       | -16.51      |
| 2441                 | 8.85                                 | 8.93 | - | - | 11.86    | 28.13       | -16.27      |
| 2476                 | 8.77                                 | 8.86 | - | - | 11.78    | 28.13       | -16.35      |

**Table 77 - 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 | $\Sigma$ |             |             |            |                  |                  |
| 2404                 | 8.80                                 | 8.55 | - | - | 11.62    | 30.00       | -18.38      | 19.49      | 36.00            | -16.51           |
| 2441                 | 8.85                                 | 8.93 | - | - | 11.86    | 30.00       | -18.14      | 19.73      | 36.00            | -16.27           |
| 2476                 | 8.77                                 | 8.86 | - | - | 11.78    | 30.00       | -18.22      | 19.65      | 36.00            | -16.35           |

**Table 78 - 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 5.4 d) | Test Method(s): | C63.10 11.9.1.2 |
| Additional Reference(s): | -                               |                 |                 |

| DUT Configuration      |                  |                          |      |
|------------------------|------------------|--------------------------|------|
| Mode:                  | iPA GFSK (LE 1M) | Duty Cycle (%):          | 60.4 |
| Antenna Configuration: | SISO             | DCCF (dB):               | -    |
| Active Port(s):        | B (Core 1)       | Peak Antenna Gain (dBi): | 4.93 |

| Test Frequency (MHz) | Maximum Conducted Output Power (dBm) |      |   |   |          | Limit (dBm) | Margin (dB) |
|----------------------|--------------------------------------|------|---|---|----------|-------------|-------------|
|                      | A                                    | B    | C | D | $\Sigma$ |             |             |
| 2402                 | -                                    | 9.34 | - | - | -        | 30.00       | -20.66      |
| 2440                 | -                                    | 9.26 | - | - | -        | 30.00       | -20.74      |
| 2480                 | -                                    | 9.03 | - | - | -        | 30.00       | -20.97      |

**Table 79 - 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                 | -                                    | 9.34 | - | - | -        | 30.00       | -20.66      | 14.27      | 36.00            | -21.73           |
| 2440                 | -                                    | 9.26 | - | - | -        | 30.00       | -20.74      | 14.19      | 36.00            | -21.81           |
| 2480                 | -                                    | 9.03 | - | - | -        | 30.00       | -20.97      | 13.96      | 36.00            | -22.04           |

**Table 80 - 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 5.4 d) | Test Method(s): | C63.10 11.9.1.2 |
| Additional Reference(s): | -                               |                 |                 |

| DUT Configuration      |                  |                          |      |
|------------------------|------------------|--------------------------|------|
| Mode:                  | iPA GFSK (LE 2M) | Duty Cycle (%):          | 31.3 |
| Antenna Configuration: | SISO             | DCCF (dB):               | -    |
| Active Port(s):        | B (Core 1)       | Peak Antenna Gain (dBi): | 4.93 |

| Test Frequency (MHz) | Maximum Conducted Output Power (dBm) |      |   |   |          | Limit (dBm) | Margin (dB) |
|----------------------|--------------------------------------|------|---|---|----------|-------------|-------------|
|                      | A                                    | B    | C | D | $\Sigma$ |             |             |
| 2402                 | -                                    | 9.39 | - | - | -        | 30.00       | -20.61      |
| 2440                 | -                                    | 9.36 | - | - | -        | 30.00       | -20.64      |
| 2480                 | -                                    | 8.62 | - | - | -        | 30.00       | -21.38      |

**Table 81 - 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                 | -                                    | 9.39 | - | - | -        | 30.00       | -20.61      | 14.32      | 36.00            | -21.68           |
| 2440                 | -                                    | 9.36 | - | - | -        | 30.00       | -20.64      | 14.29      | 36.00            | -21.71           |
| 2480                 | -                                    | 8.62 | - | - | -        | 30.00       | -21.38      | 13.55      | 36.00            | -22.45           |

**Table 82 - 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 5.4 d) | Test Method(s): | C63.10 11.9.1.2 |
| Additional Reference(s): | -                               |                 |                 |

| DUT Configuration      |                  |                          |      |
|------------------------|------------------|--------------------------|------|
| Mode:                  | iPA GFSK (LE 1M) | Duty Cycle (%):          | 60.4 |
| Antenna Configuration: | SISO             | DCCF (dB):               | -    |
| Active Port(s):        | C (Core 2)       | Peak Antenna Gain (dBi): | 5.25 |

| Test Frequency (MHz) | Maximum Conducted Output Power (dBm) |   |      |   |          | Limit (dBm) | Margin (dB) |
|----------------------|--------------------------------------|---|------|---|----------|-------------|-------------|
|                      | A                                    | B | C    | D | $\Sigma$ |             |             |
| 2402                 | -                                    | - | 7.48 | - | -        | 30.00       | -22.52      |
| 2440                 | -                                    | - | 7.95 | - | -        | 30.00       | -22.05      |
| 2480                 | -                                    | - | 7.92 | - | -        | 30.00       | -22.08      |

**Table 83 - 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                 | -                                    | - | 7.48 | - | -        | 30.00       | -22.52      | 12.73      | 36.00            | -23.27           |
| 2440                 | -                                    | - | 7.95 | - | -        | 30.00       | -22.05      | 13.20      | 36.00            | -22.80           |
| 2480                 | -                                    | - | 7.92 | - | -        | 30.00       | -22.08      | 13.17      | 36.00            | -22.83           |

**Table 84 - 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 5.4 d) | Test Method(s): | C63.10 11.9.1.2 |
| Additional Reference(s): | -                               |                 |                 |

| DUT Configuration      |                  |                          |      |
|------------------------|------------------|--------------------------|------|
| Mode:                  | iPA GFSK (LE 2M) | Duty Cycle (%):          | 31.3 |
| Antenna Configuration: | SISO             | DCCF (dB):               | -    |
| Active Port(s):        | C (Core 2)       | Peak Antenna Gain (dBi): | 5.25 |

| Test Frequency (MHz) | Maximum Conducted Output Power (dBm) |   |      |   |          | Limit (dBm) | Margin (dB) |
|----------------------|--------------------------------------|---|------|---|----------|-------------|-------------|
|                      | A                                    | B | C    | D | $\Sigma$ |             |             |
| 2402                 | -                                    | - | 7.56 | - | -        | 30.00       | -22.44      |
| 2440                 | -                                    | - | 8.53 | - | -        | 30.00       | -21.47      |
| 2480                 | -                                    | - | 7.74 | - | -        | 30.00       | -22.26      |

**Table 85 - 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                 | -                                    | - | 7.56 | - | -        | 30.00       | -22.44      | 12.81      | 36.00            | -23.19           |
| 2440                 | -                                    | - | 8.53 | - | -        | 30.00       | -21.47      | 13.78      | 36.00            | -22.22           |
| 2480                 | -                                    | - | 7.74 | - | -        | 30.00       | -22.26      | 12.99      | 36.00            | -23.01           |

**Table 86 - ISCED 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 5.4 d)                     | Test Method(s): | C63.10 11.9.1.2 |
| Additional Reference(s): | 662911 D01 v02r01 F)2)d)(i), 662911 D01 v02r01 E)1) |                 |                 |

| DUT Configuration      |                       |                          |      |
|------------------------|-----------------------|--------------------------|------|
| Mode:                  | iPA GFSK (LE 1M)      | Duty Cycle (%):          | 60.4 |
| Antenna Configuration: | Beamforming           | DCCF (dB):               | -    |
| Active Port(s):        | A+B (Core 0 + Core 1) | Peak Antenna Gain (dBi): | 7.87 |

| Test Frequency (MHz) | Maximum Conducted Output Power (dBm) |      |   |   |          | Limit (dBm) | Margin (dB) |
|----------------------|--------------------------------------|------|---|---|----------|-------------|-------------|
|                      | A                                    | B    | C | D | $\Sigma$ |             |             |
| 2402                 | 7.58                                 | 8.94 | - | - | 11.31    | 28.13       | -16.82      |
| 2440                 | 7.64                                 | 8.67 | - | - | 11.16    | 28.13       | -16.97      |
| 2480                 | 7.64                                 | 8.46 | - | - | 11.04    | 28.13       | -17.09      |

**Table 87 - 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                 | 7.58                                 | 8.94 | - | - | 11.31    | 30.00       | -18.69      | 19.18      | 36.00            | -16.82           |
| 2440                 | 7.64                                 | 8.67 | - | - | 11.16    | 30.00       | -18.84      | 19.03      | 36.00            | -16.97           |
| 2480                 | 7.64                                 | 8.46 | - | - | 11.04    | 30.00       | -18.96      | 18.91      | 36.00            | -17.09           |

**Table 88 - 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 5.4 d)                     | Test Method(s): | C63.10 11.9.1.2 |
| Additional Reference(s): | 662911 D01 v02r01 F)2)d)(i), 662911 D01 v02r01 E)1) |                 |                 |

| DUT Configuration      |                       |                          |      |
|------------------------|-----------------------|--------------------------|------|
| Mode:                  | iPA GFSK (LE 2M)      | Duty Cycle (%):          | 31.2 |
| Antenna Configuration: | Beamforming           | DCCF (dB):               | -    |
| Active Port(s):        | A+B (Core 0 + Core 1) | Peak Antenna Gain (dBi): | 7.87 |

| Test Frequency (MHz) | Maximum Conducted Output Power (dBm) |      |   |   |          | Limit (dBm) | Margin (dB) |
|----------------------|--------------------------------------|------|---|---|----------|-------------|-------------|
|                      | A                                    | B    | C | D | $\Sigma$ |             |             |
| 2402                 | 7.64                                 | 8.82 | - | - | 11.24    | 28.13       | -16.89      |
| 2440                 | 7.63                                 | 8.80 | - | - | 11.23    | 28.13       | -16.90      |
| 2480                 | 7.96                                 | 8.35 | - | - | 11.14    | 28.13       | -16.99      |

**Table 89 - 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                 | 7.64                                 | 8.82 | - | - | 11.24    | 30.00       | -18.76      | 19.11      | 36.00            | -16.89           |
| 2440                 | 7.63                                 | 8.80 | - | - | 11.23    | 30.00       | -18.77      | 19.10      | 36.00            | -16.90           |
| 2480                 | 7.96                                 | 8.35 | - | - | 11.14    | 30.00       | -18.86      | 19.01      | 36.00            | -16.99           |

**Table 90 - ISED Maximum Conducted (peak) Output Power Results**

FCC 47 CFR Part 15, Limit Clause 15.247 (b)(3)

For systems using digital modulation in the 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz bands: 1 Watt.

ISED RSS-247, Limit Clause 5.4 (d)

For DTSS employing digital modulation techniques operating in the bands 902-928 MHz and 2400-2483.5 MHz, the maximum peak conducted output power shall not exceed 1 W. The e.i.r.p. shall not exceed 4 W, except as provided in section 5.4(e) of the specification.



### 2.3.7 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 Expires |
|------------------------------|--------------|-----------------|-------|-----------------------------|---------------------|
| Multimeter                   | Fluke        | 79 Series III   | 611   | 12                          | 21-Dec-2022         |
| Hygrometer                   | Rotronic     | I-1000          | 3220  | 12                          | 05-Nov-2022         |
| AC Programmable Power Supply | iTech        | IT7324          | 5226  | -                           | O/P Mon             |
| Signal Conditioning Unit     | TUV SUD      | SPECTRUM SCU002 | 5759  | 12                          | 05-Jul-2023         |
| USB Power Sensor             | Boonton      | RTP5008         | 5830  | 12                          | 07-Jul-2023         |
| USB Power Sensor             | Boonton      | RTP5008         | 5832  | 12                          | 07-Jul-2023         |
| USB Power Sensor             | Boonton      | RTP5008         | 5833  | 12                          | 07-Jul-2023         |

**Table 91**

O/P Mon – Output Monitored using calibrated equipment



## **2.4 Spurious Radiated Emissions**

### **2.4.1 Specification Reference**

FCC 47 CFR Part 15C, Clause 15.209 and 15.247 (d)  
ISED RSS-247, Clause 3.3 and 5.5  
ISED RSS-GEN, Clause 6.13 and 8.9

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

A2779, S/N: JM67M9K770 - Modification State 0

### **2.4.3 Date of Test**

27-September-2022 to 13-October-2022

### **2.4.4 Test Method**

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

For frequencies > 1 GHz, plots for average measurements were taken in accordance with ANSI C63.10, clause 11.12.2.5.2.

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.

In the 30 MHz to 1 GHz range pre-scans were only performed on the mid channel (2440 MHz) only.

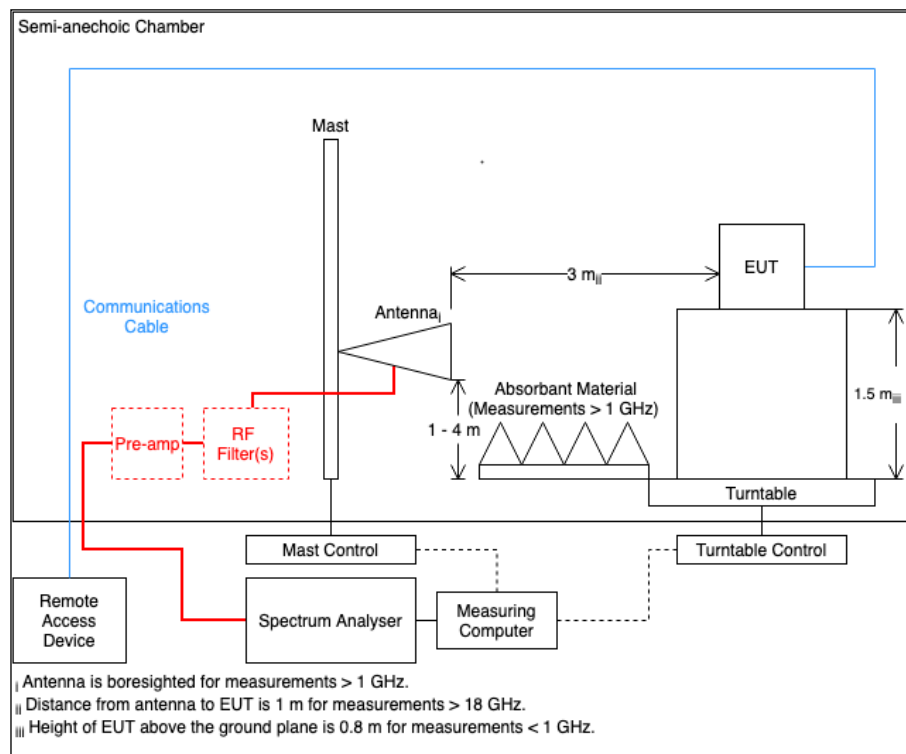
The plots shown are the characterisation of the EUT. The limits on the plots represent the most stringent case for restricted bands, (74/54 dBuV/m) when compared to 20 dBc outside restricted bands. The limits shown have been used as a threshold to determine where further measurements are necessary. Where results are within 10 dB of the limits shown on the plots, further investigation was carried out and reported in results tables.

The following conversion can be applied to convert from 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.

At a measurement distance of 1 meter 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.



|                     |                |
|---------------------|----------------|
| Ambient Temperature | 20.2 - 23.0 °C |
| Relative Humidity   | 46.0 - 52.0 %  |

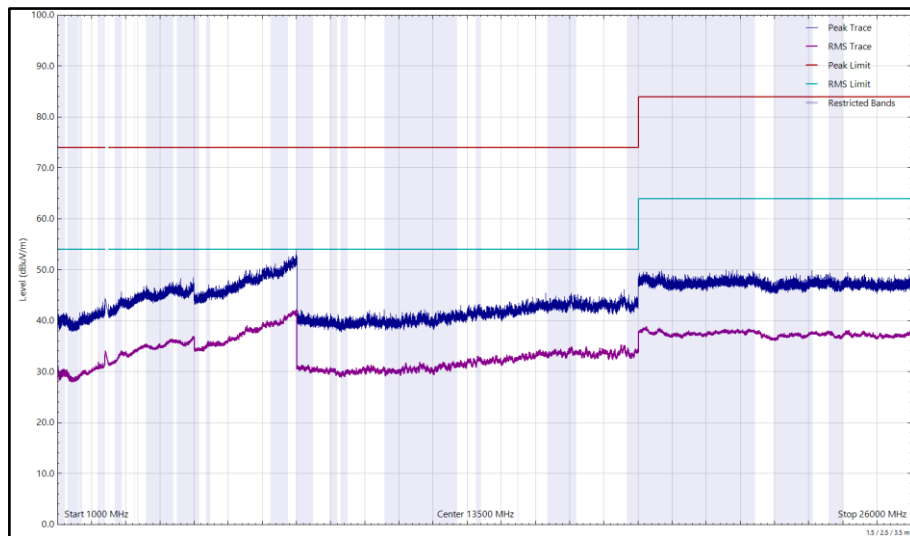
## 2.4.7 Test Results

### 2.4 GHz Bluetooth - DTS

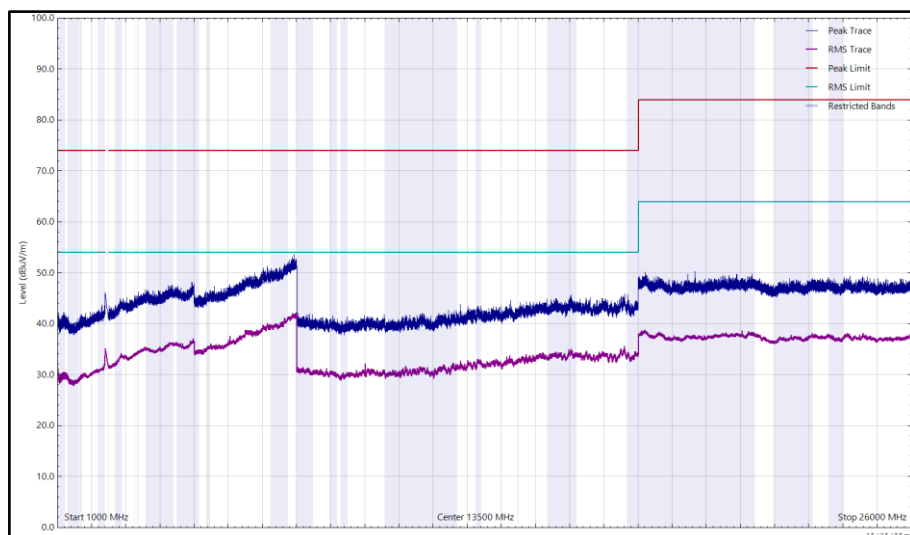
| Frequency (MHz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------|----------------|-------------|----------|-----------|-------------|--------------|
| *               |                |                |       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

**Table 92 - 2402 MHz (CH37), LE1M, iPA, Core 0 + Core 1, 1 GHz to 26 GHz**

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



**Figure 166 - 2402 MHz (CH37), LE1M, iPA, Core 0 + Core 1, 1 GHz to 26 GHz, Horizontal**

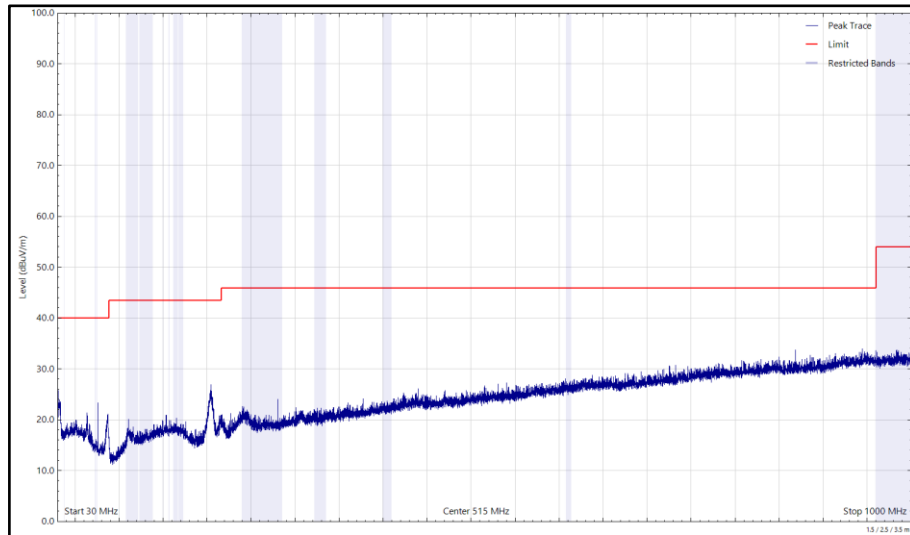


**Figure 167 - 2402 MHz (CH37), LE1M, iPA, Core 0 + Core 1, 1 GHz to 26 GHz, Vertical**

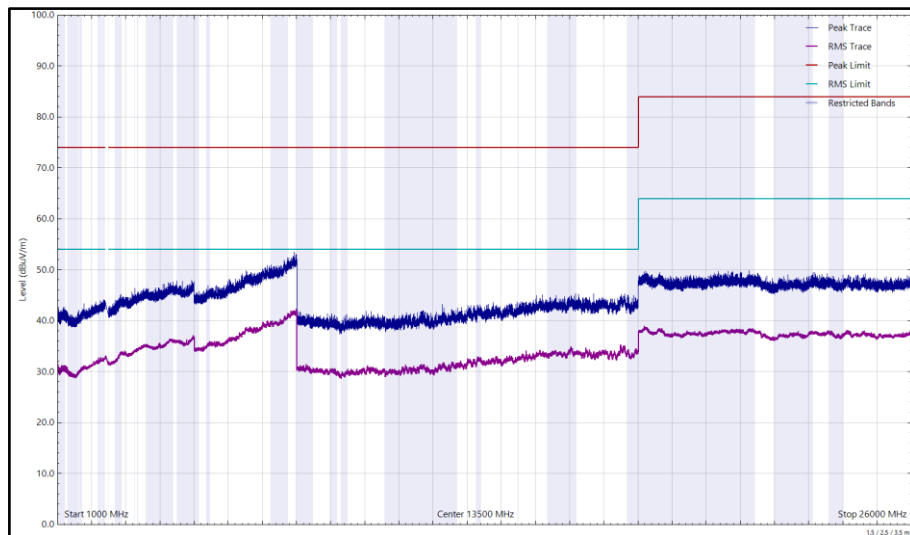
| Frequency (MHz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------|----------------|-------------|----------|-----------|-------------|--------------|
| *               |                |                |       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

**Table 93 - 2440 MHz (CH17), LE1M, iPA, Core 0 + Core 1, 30 MHz to 26 GHz**

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



**Figure 168 - 2440 MHz (CH17), LE1M, iPA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)**



**Figure 169 - 2440 MHz (CH17), LE1M, iPA, Core 0 + Core 1, 1 GHz to 26 GHz, Horizontal**

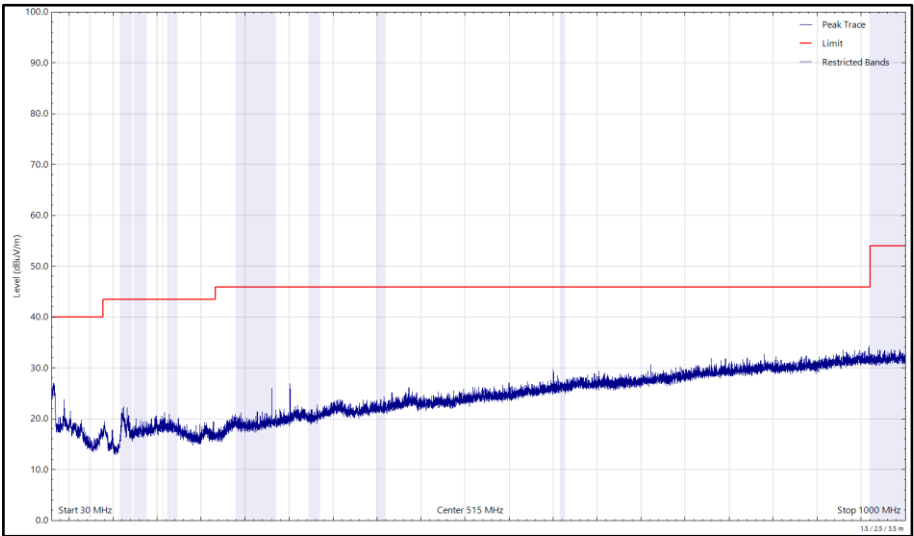


Figure 170 - 2440 MHz (CH17), LE1M, iPA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

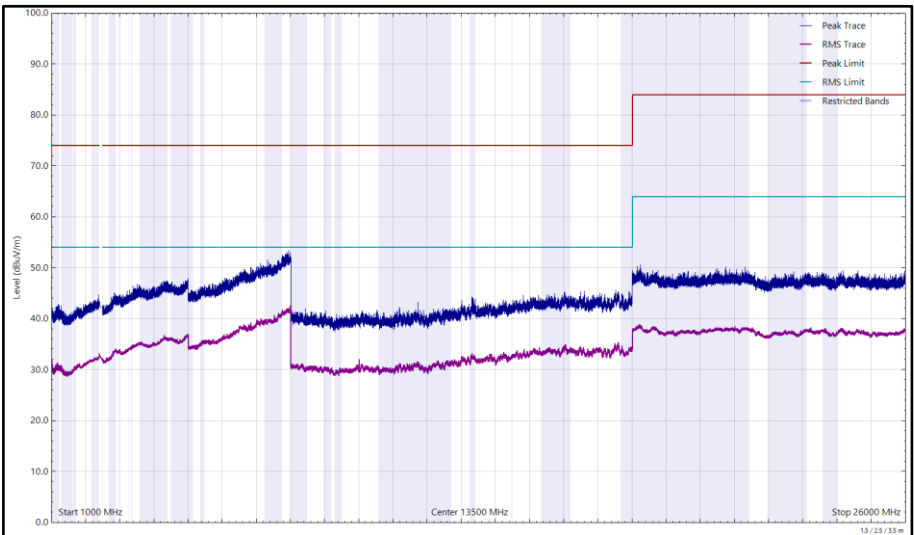
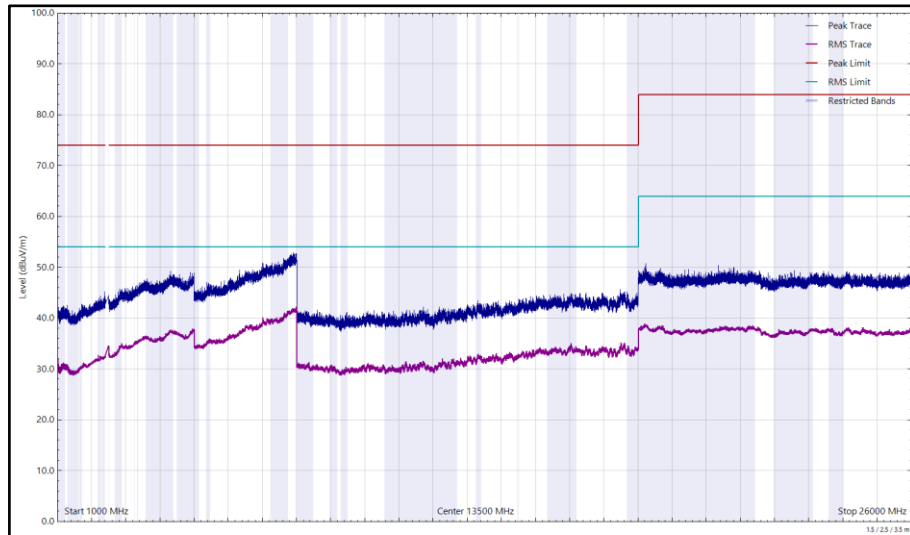


Figure 171 - 2440 MHz (CH17), LE1M, iPA, Core 0 + Core 1, 1 GHz to 26 GHz, Vertical

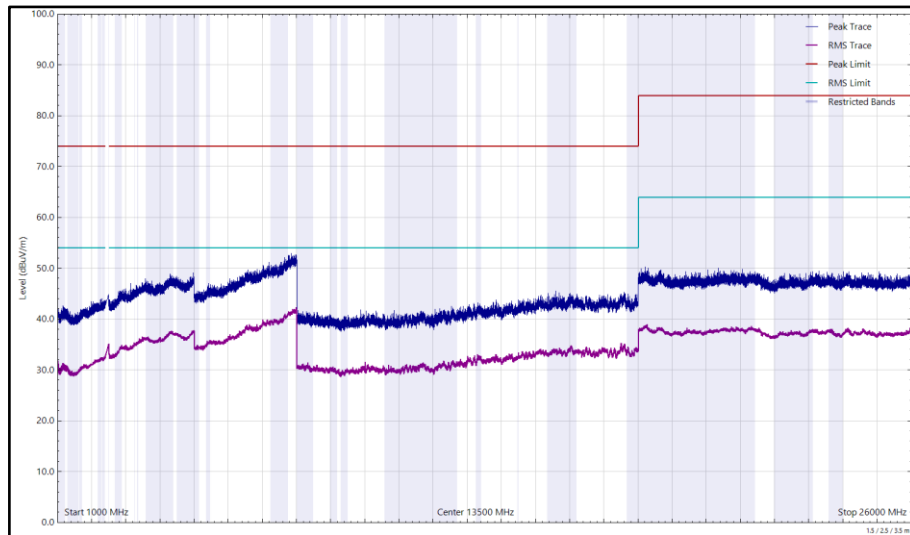
| Frequency (MHz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------|----------------|-------------|----------|-----------|-------------|--------------|
| *               |                |                |       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

**Table 94 - 2480 MHz (CH39), LE1M, iPA, Core 0 + Core 1, 1 GHz to 26 GHz**

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



**Figure 172 - 2480 MHz (CH39), LE1M, iPA, Core 0 + Core 1, 1 GHz to 26 GHz, Horizontal**

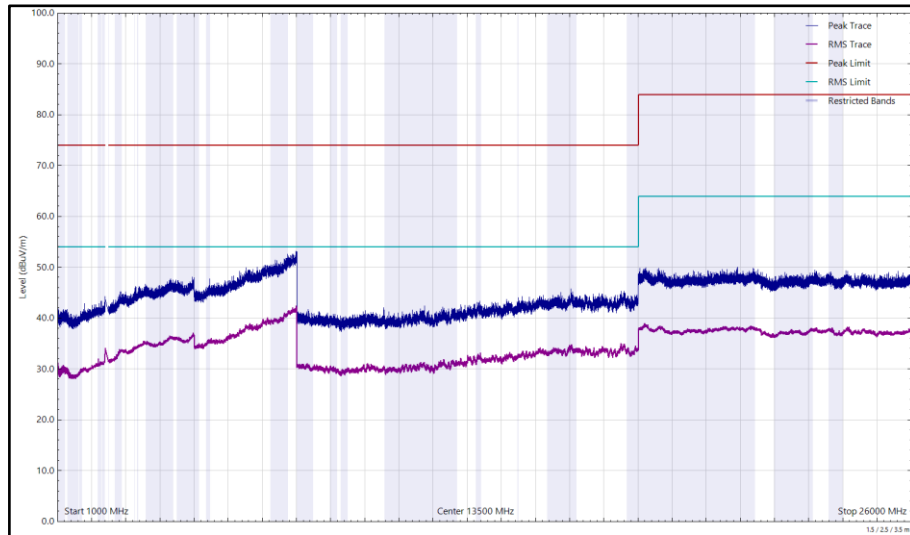


**Figure 173 - 2480 MHz (CH39), LE1M, iPA, Core 0 + Core 1, 1 GHz to 26 GHz, Vertical**

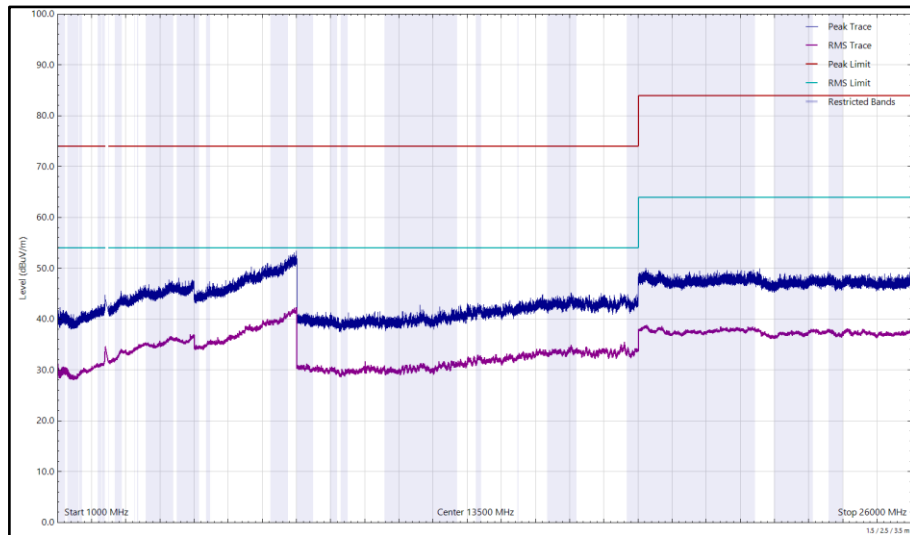
| Frequency (MHz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------|----------------|-------------|----------|-----------|-------------|--------------|
| *               |                |                |       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

**Table 95 - 2402 MHz (CH37), LE1M, iPA, Core 2, 1 GHz to 26 GHz**

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



**Figure 174 - 2402 MHz (CH37), LE1M, iPA, Core 2, 1 GHz to 26 GHz, Horizontal**



**Figure 175 - 2402 MHz (CH37), LE1M, iPA, Core 2, 1 GHz to 26 GHz, Vertical**



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

Table 96 - 2440 MHz (CH17), LE1M, iPA, Core 2, 30 MHz to 26 GHz

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

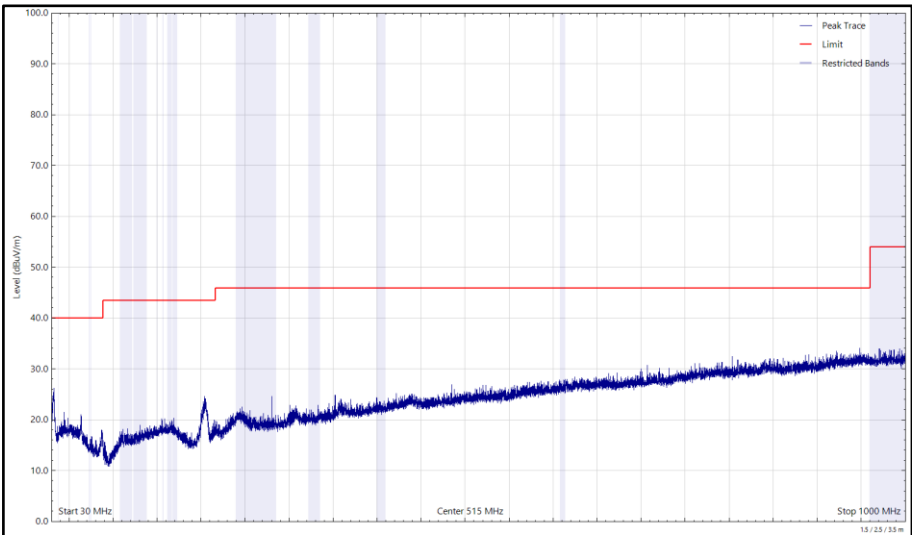


Figure 176 - 2440 MHz (CH17), LE1M, iPA, Core 2, 30 MHz to 1 GHz, Horizontal (Peak)

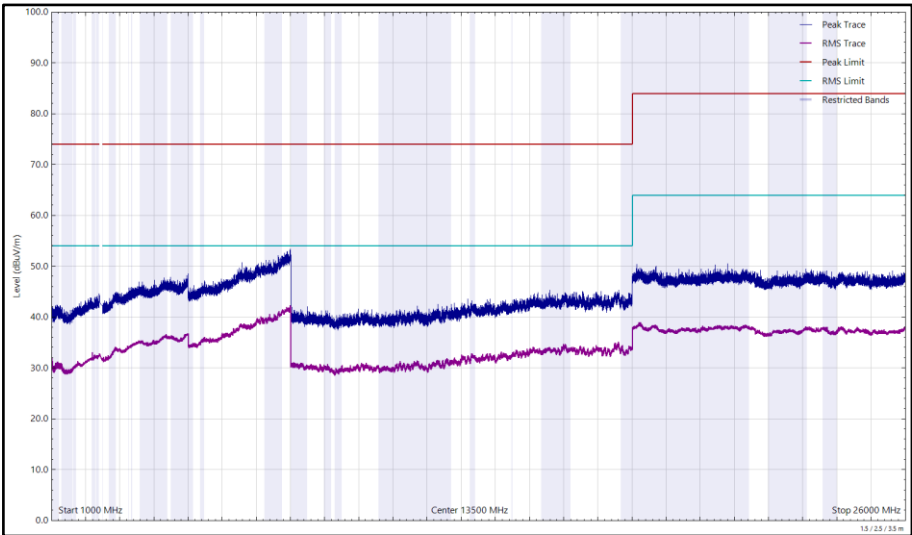


Figure 177 - 2440 MHz (CH17), LE1M, iPA, Core 2, 1 GHz to 26 GHz, Horizontal

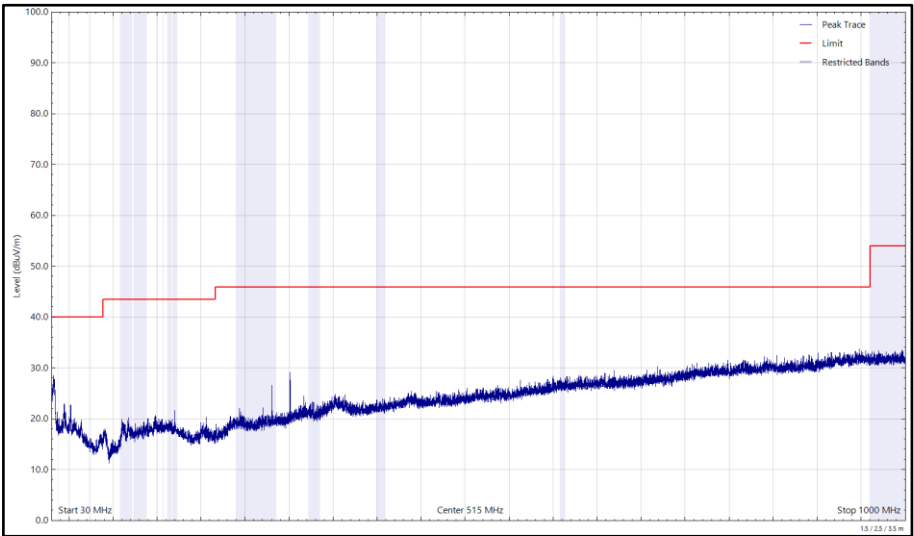


Figure 178 - 2440 MHz (CH17), LE1M, iPA, Core 2, 30 MHz to 1 GHz, Vertical (Peak)

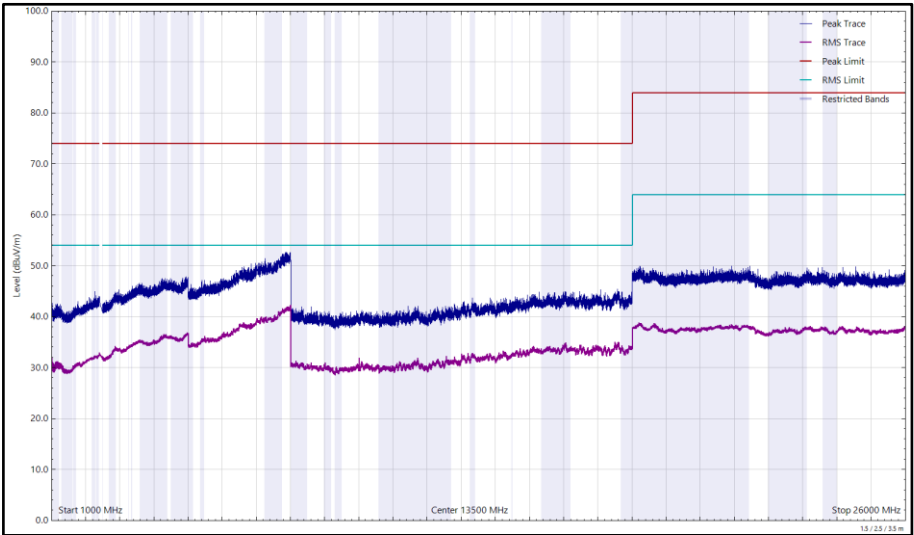
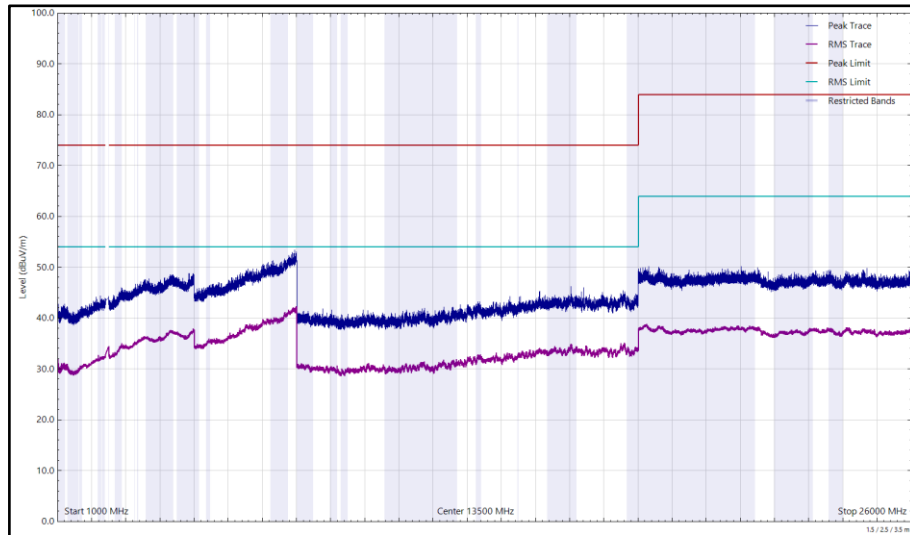


Figure 179 - 2440 MHz (CH17), LE1M, iPA, Core 2, 1 GHz to 26 GHz, Vertical

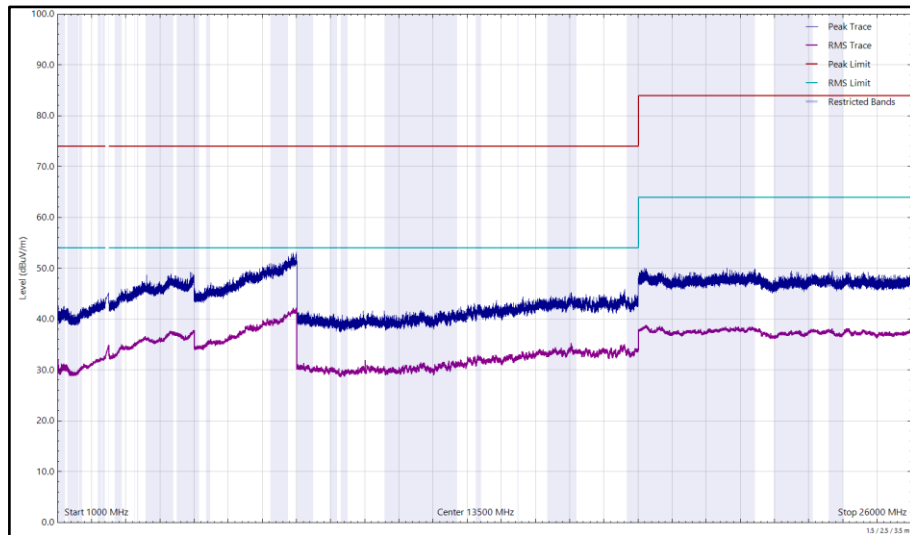
| Frequency (MHz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------|----------------|-------------|----------|-----------|-------------|--------------|
| *               |                |                |       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

**Table 97 - 2480 MHz (CH39), LE1M, iPA, Core 2, 1 GHz to 26 GHz**

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



**Figure 180 - 2480 MHz (CH39), LE1M, iPA, Core 2, 1 GHz to 26 GHz, Horizontal**



**Figure 181 - 2480 MHz (CH39), LE1M, iPA, Core 2, 1 GHz to 26 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 5.5

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.

## 2.4.8 Test Location and Test Equipment Used

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

| Instrument                          | Manufacturer    | Type No              | TE No | Calibration Period (months) | Calibration Expires |
|-------------------------------------|-----------------|----------------------|-------|-----------------------------|---------------------|
| EMI Test Receiver                   | Rohde & Schwarz | ESW44                | 5911  | 12                          | 24-Feb-2023         |
| EMI Test Receiver                   | Rohde & Schwarz | ESW44                | 5912  | 12                          | 17-Feb-2023         |
| Cable (K Type 2m)                   | Junkosha        | MWX241-01000KMSKMS/B | 5934  | 12                          | 14-May-2023         |
| Cable (K Type 2m)                   | Junkosha        | MWX241-01000KMSKMS/B | 5937  | 12                          | 14-May-2023         |
| DRG Horn Antenna (7.5-18GHz)        | Schwarzbeck     | HWRD750              | 5939  | 12                          | 29-May-2023         |
| DRG Horn Antenna (7.5-18GHz)        | Schwarzbeck     | HWRD750              | 5941  | 12                          | 29-May-2023         |
| TRILOG Super Broadband Test Antenna | Schwarzbeck     | VULB 9168            | 5943  | 24                          | 03-Feb-2024         |
| TRILOG Super Broadband Test Antenna | Schwarzbeck     | VULB 9168            | 5944  | 24                          | 03-Feb-2024         |
| 1500W (300V 12A) AC Power Supply    | iTech           | IT7324               | 5955  | -                           | O/P Mon             |
| 1500W (300V 12A) AC                 | iTech           | IT7324               | 5956  | -                           | O/P Mon             |



| Instrument                           | Manufacturer       | Type No              | TE No | Calibration Period (months) | Calibration Expires |
|--------------------------------------|--------------------|----------------------|-------|-----------------------------|---------------------|
| Power Supply                         |                    |                      |       |                             |                     |
| 5m Semi-Anechoic Chamber (Dual-Axis) | Albatross Projects | RF Chamber 14        | 5958  | 36                          | 26-Apr-2025         |
| Compact Antenna Mast                 | Maturo Gmbh        | CAM4.0-P             | 5959  | -                           | TU                  |
| Mast & Turntable Controller          | Maturo Gmbh        | FCU3.0               | 5960  | -                           | TU                  |
| Tilt Antenna Mast                    | Maturo Gmbh        | BAM4.5-P             | 5961  | -                           | TU                  |
| Turntable                            | Maturo Gmbh        | TT1.5SI              | 5962  | -                           | TU                  |
| 5m Semi-Anechoic Chamber (Dual-Axis) | Albatross Projects | RF Chamber 15        | 5963  | 36                          | 28-Apr-2025         |
| Compact Antenna Mast                 | Maturo Gmbh        | CAM4.0-P             | 5964  | -                           | TU                  |
| Tilt Antenna Mast                    | Maturo Gmbh        | BAM4.5-P             | 5967  | -                           | TU                  |
| Turntable                            | Maturo Gmbh        | TT1.5SI              | 5968  | -                           | TU                  |
| Cable (SMA 1m)                       | Junkosha           | MWX221-01000AMSAMS/A | 5996  | 12                          | 06-Jun-2023         |
| Cable (SMA to SMA 1m)                | Junkosha           | MWX221-01000AMSAMS/A | 5997  | 12                          | 06-Jun-2023         |
| Cable (N to N 1m)                    | Junkosha           | MWX221-01000NMSNMS/B | 5999  | 12                          | 05-Jun-2023         |
| Cable (SMA to SMA 4.5m)              | Junkosha           | MWX221-04500AMSAMS/A | 6002  | 12                          | 06-Jun-2023         |
| Cable (SMA to SMA 6.5m)              | Junkosha           | MWX221-06500AMSAMS/B | 6003  | 12                          | 07-Jun-2023         |
| Cable (N to N 7m)                    | Junkosha           | MWX221-07000NMSNMS/B | 6005  | 12                          | 05-Jun-2023         |
| Cable (N to N 8m)                    | Junkosha           | MWX221-08000NMSNMS/A | 6006  | 12                          | 05-Jun-2023         |
| Cable (SMA to SMA 1m)                | Junkosha           | MWX221-01000AMSAMS/A | 6007  | 12                          | 06-Jun-2023         |
| Cable (SMA to SMA 1m)                | Junkosha           | MWX221-01000AMSAMS/A | 6008  | 12                          | 06-Jun-2023         |
| Cable (SMA to SMA 6.5m)              | Junkosha           | MWX221-06500AMSAMS/B | 6014  | 12                          | 07-Jun-2023         |
| Cable (N to N 8m)                    | Junkosha           | MWX221-08000NMSNMS/A | 6017  | 12                          | 05-Jun-2023         |
| Horn Antenna (1-10 GHz)              | Schwarzbeck        | BBHA9120B            | 6140  | 12                          | 21-Jun-2023         |
| Horn Antenna (1-10 GHz)              | Schwarzbeck        | BBHA9120B            | 6141  | 12                          | 21-Jun-2023         |
| SAC Switch Unit                      | TUV SUD            | SSU001               | 6144  | 12                          | 07-Jul-2023         |
| Digital Multimeter                   | Fluke              | 115                  | 6147  | 12                          | 16-Jun-2023         |



| Instrument                                   | Manufacturer        | Type No                   | TE No | Calibration Period (months) | Calibration Expires |
|----------------------------------------------|---------------------|---------------------------|-------|-----------------------------|---------------------|
| Humidity & Temperature meter                 | R.S Components      | 1364                      | 6150  | 12                          | 17-Jun-2023         |
| Double Ridge Active Horn Antenna (18-40 GHz) | Com-Power           | AHA-840                   | 6187  | 24                          | 02-Jun-2024         |
| Double Ridge Active Horn Antenna (18-40 GHz) | Com-Power           | AHA-840                   | 6188  | 24                          | 02-Jun-2024         |
| SAC Switch Unit                              | TUV SUD             | SSU003                    | 6191  | 12                          | 15-Jul-2023         |
| 8GHz Highpass Filter                         | Wainwright          | WHKX 7150 8000 18000 50SS | 6195  | 12                          | 15-Jul-2023         |
| Pre Amp 8 - 18 GHz                           | Wright Technologies | APS06 0061                | 6198  | 12                          | 19-Jul-2023         |
| Pre Amp 8 - 18 GHz                           | Wright Technologies | APS06 0061                | 6199  | 12                          | 19-Jul-2023         |
| Attenuator 4dB                               | Pasternack          | PE7074-4                  | 6202  | 24                          | 16-Jul-2024         |
| Attenuator 4dB                               | Pasternack          | PE7074-4                  | 6203  | 24                          | 16-Jul-2024         |
| Cable (SMA to SMA 20cm)                      | TUV SUD             | MH-FH 8-18                | 6214  | 12                          | 25-Jul-2023         |
| Cable (SMA to SMA 20cm)                      | TUV SUD             | MH-FH 8-18                | 6215  | 12                          | 25-Jul-2023         |

**Table 98**

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



## **2.5 Authorised Band Edges**

### **2.5.1 Specification Reference**

FCC 47 CFR Part 15C, Clause 15.247 (d)  
ISED RSS-247, Clause 5.5

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

A2779, S/N: JM67M9K770 - Modification State 0

### **2.5.3 Date of Test**

09-August-2022 to 11-August-2022

### **2.5.4 Test Method**

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

### **2.5.5 Environmental Conditions**

|                     |                |
|---------------------|----------------|
| Ambient Temperature | 20.9 - 22.5 °C |
| Relative Humidity   | 41.7 - 44.8 %  |

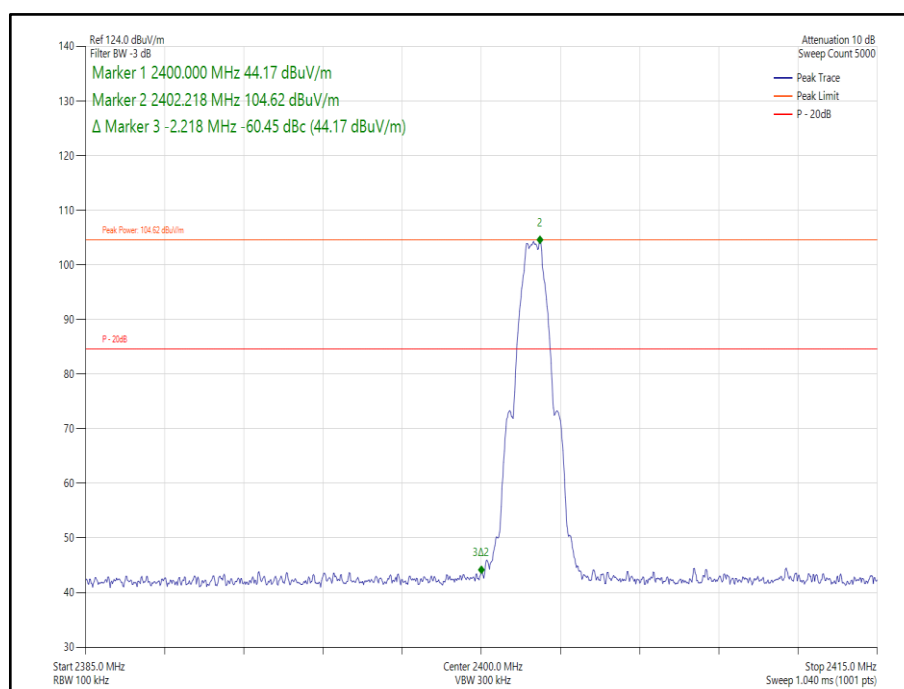
## 2.5.6 Test Results

### 2.4 GHz Bluetooth - DTS

#### iPA - LE1M

| Modulation | Packet Type | Core | Tx Frequency (MHz) | Band Edge Frequency (MHz) | Level (dBc) |
|------------|-------------|------|--------------------|---------------------------|-------------|
| GFSK       | DH1         | 1    | 2402               | 2400.0                    | -60.45      |

**Table 99 - Authorised Band Edge Results**



**Figure 182 Core 1 - GFSK/DH1 - Core 1 - 2402 MHz – Band Edge Frequency 2400.0 MHz**



iPA - LE1M

| Modulation | Packet Type | Core | Tx Frequency (MHz) | Band Edge Frequency (MHz) | Level (dBc) |
|------------|-------------|------|--------------------|---------------------------|-------------|
| GFSK       | DH1         | 2    | 2402               | 2400.0                    | -61.79      |

Table 100 - Authorised Band Edge Results

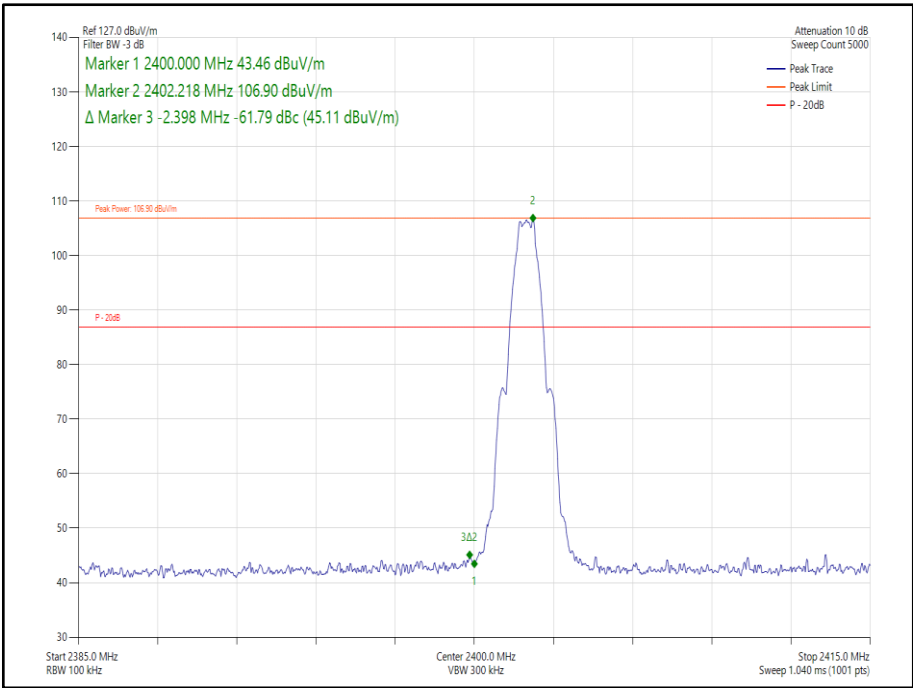


Figure 183 Core 2 - GFSK/DH1 - 2402 MHz – Band Edge Frequency 2400.0 MHz



iPA - LE1M

| Modulation | Packet Type | Core | Tx Frequency (MHz) | Band Edge Frequency (MHz) | Level (dBc) |
|------------|-------------|------|--------------------|---------------------------|-------------|
| GFSK       | DH1         | 0-1  | 2402               | 2400.0                    | -64.19      |

Table 101 - Authorised Band Edge Results

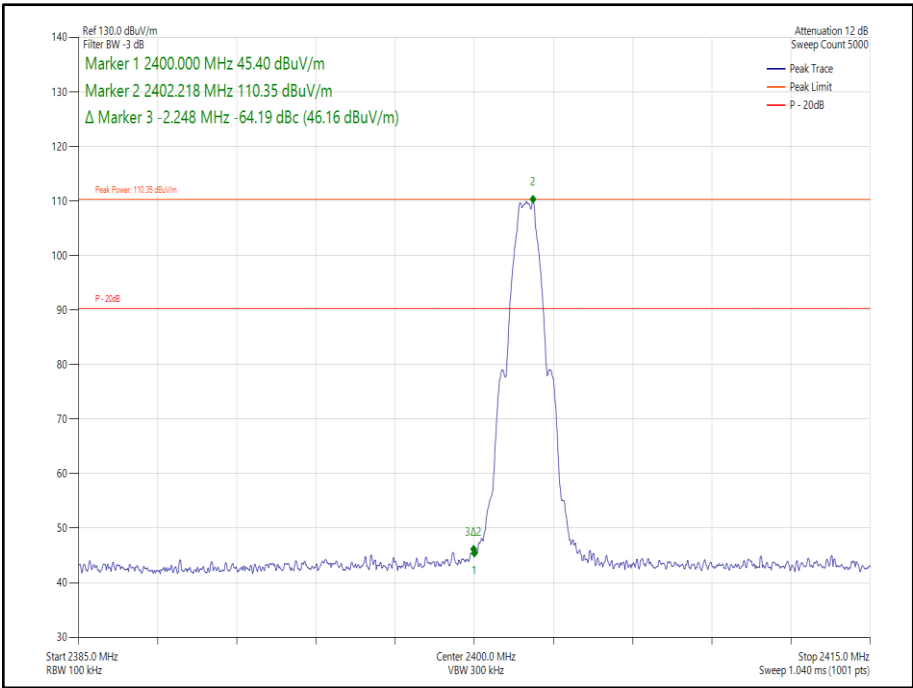
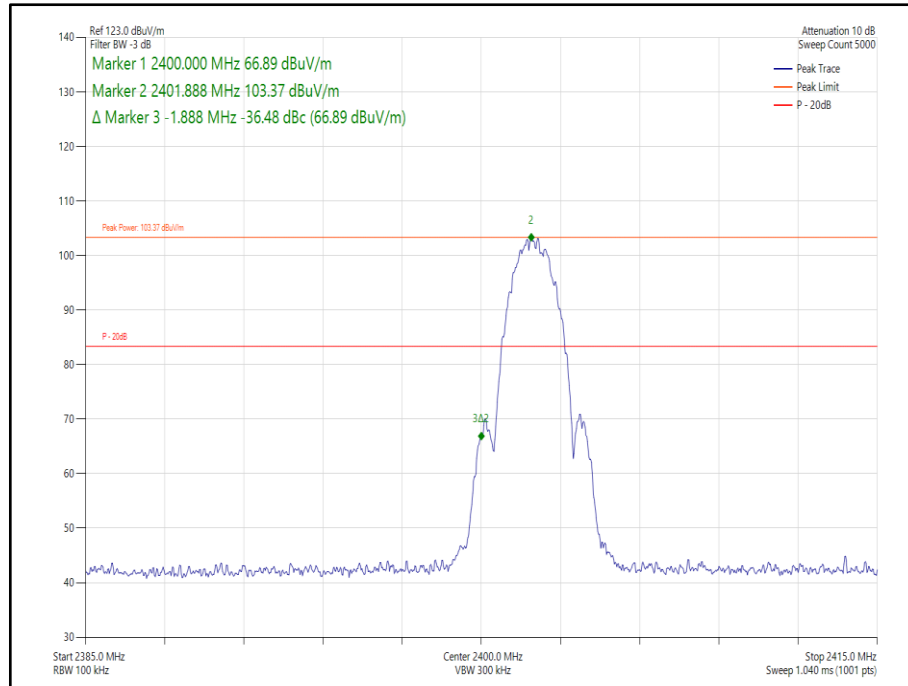


Figure 184 Core 0-1 - GFSK/DH1 - 2402 MHz – Band Edge Frequency 2400.0 MHz

iPA – LE2M

| Modulation | Packet Type | Core | Tx Frequency (MHz) | Band Edge Frequency (MHz) | Level (dBc) |
|------------|-------------|------|--------------------|---------------------------|-------------|
| GFSK       | DH1         | 1    | 2402               | 2400.0                    | -36.48      |

**Table 102 - Authorised Band Edge Results**



**Figure 185 Core 1 - GFSK/DH1 - 2402 MHz – Band Edge Frequency 2400.0 MHz**



iPA – LE2M

| Modulation | Packet Type | Core | Tx Frequency (MHz) | Band Edge Frequency (MHz) | Level (dBc) |
|------------|-------------|------|--------------------|---------------------------|-------------|
| GFSK       | DH1         | 2    | 2402               | 2400.0                    | -36.27      |

Table 103 - Authorised Band Edge Results

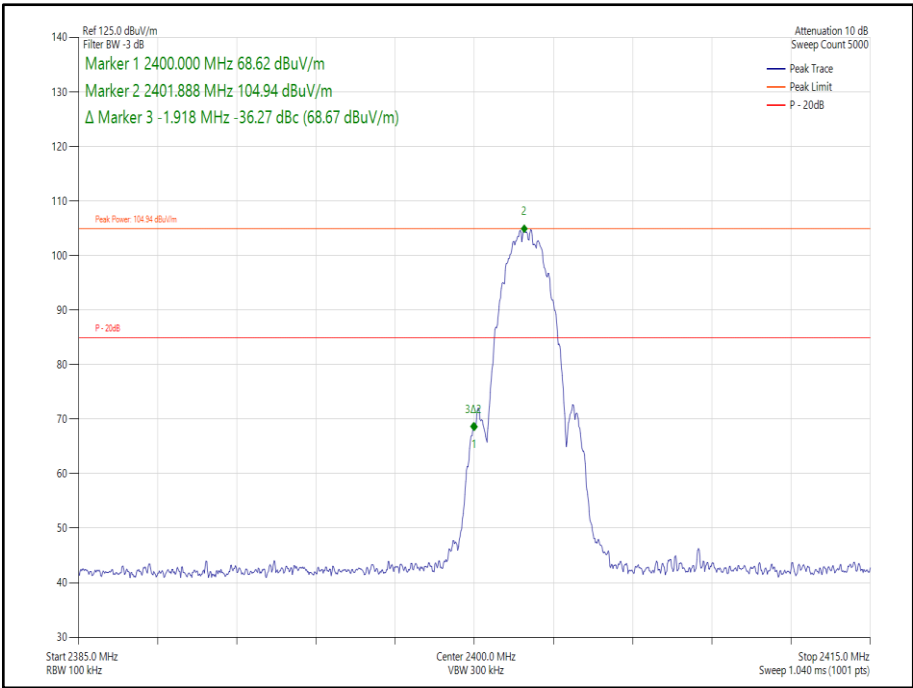


Figure 186 Core 2 - GFSK/DH1 - 2402 MHz – Band Edge Frequency 2400.0 MHz



iPA – LE2M

| Modulation | Packet Type | Core | Tx Frequency (MHz) | Band Edge Frequency (MHz) | Level (dBc) |
|------------|-------------|------|--------------------|---------------------------|-------------|
| GFSK       | DH1         | 0-1  | 2402               | 2400.0                    | -36.85      |

Table 104 - Authorised Band Edge Results

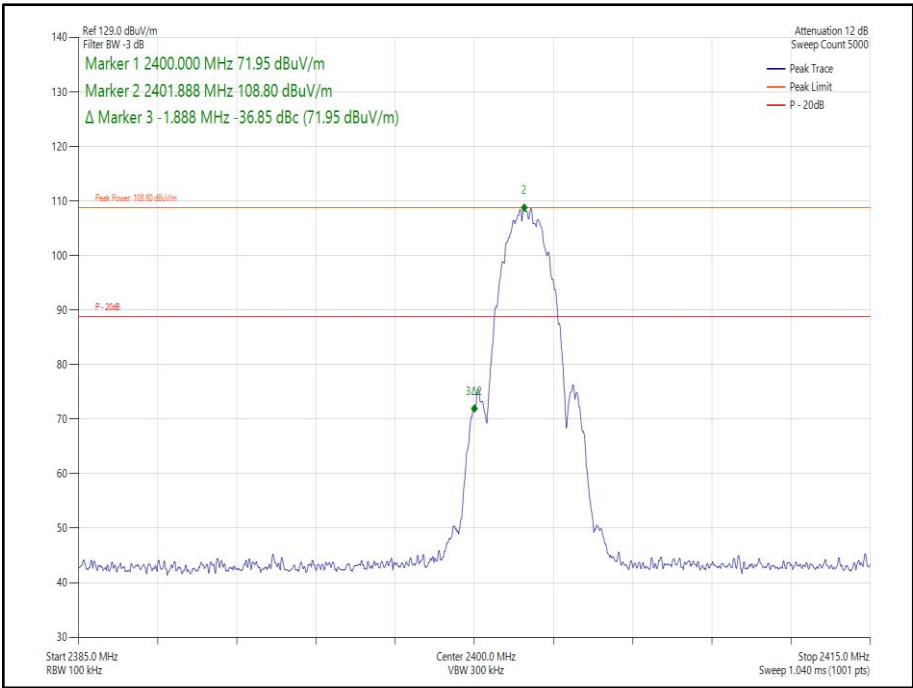


Figure 187 Core 0-1 - GFSK/DH1 - 2402 MHz – Band Edge Frequency 2400.0 MHz



ePA - HDR4

| Modulation    | Packet Type | Core | Tx Frequency (MHz) | Band Edge Frequency (MHz) | Level (dBc) |
|---------------|-------------|------|--------------------|---------------------------|-------------|
| $\pi/4$ DQPSK | 4-DH5       | 1    | 2404               | 2400.0                    | -57.73      |

Table 105 - Authorised Band Edge Results

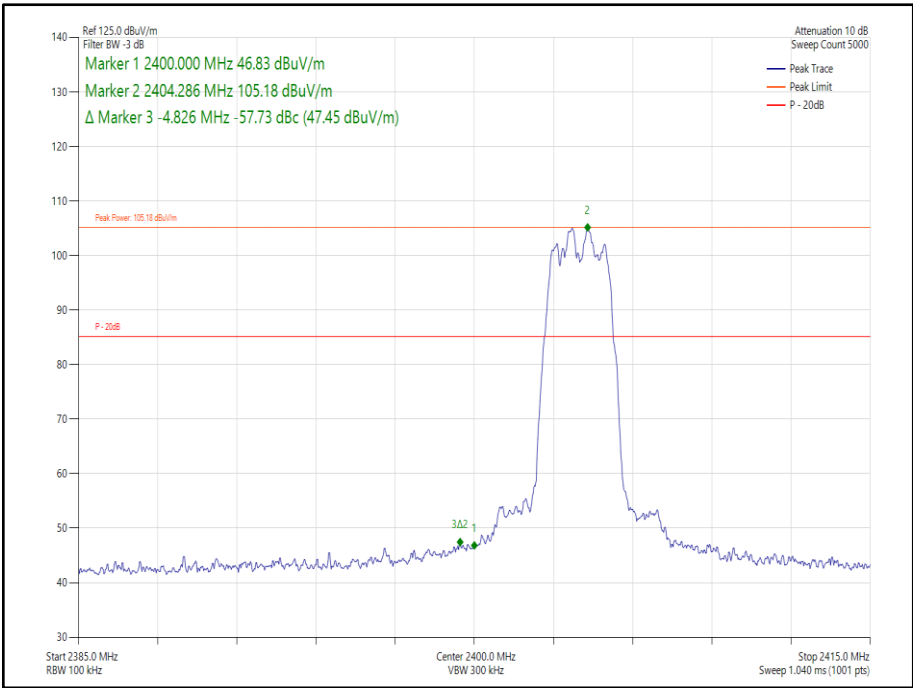


Figure 188 Core 1 -  $\pi/4$  DQPSK/4-DH5 - 2404 MHz – Band Edge Frequency 2400.0 MHz



iPA - HDR4

| Modulation    | Packet Type | Core | Tx Frequency (MHz) | Band Edge Frequency (MHz) | Level (dBc) |
|---------------|-------------|------|--------------------|---------------------------|-------------|
| $\pi/4$ DQPSK | 4-DH5       | 1    | 2404               | 2400.0                    | -55.68      |

Table 106 - Authorised Band Edge Results

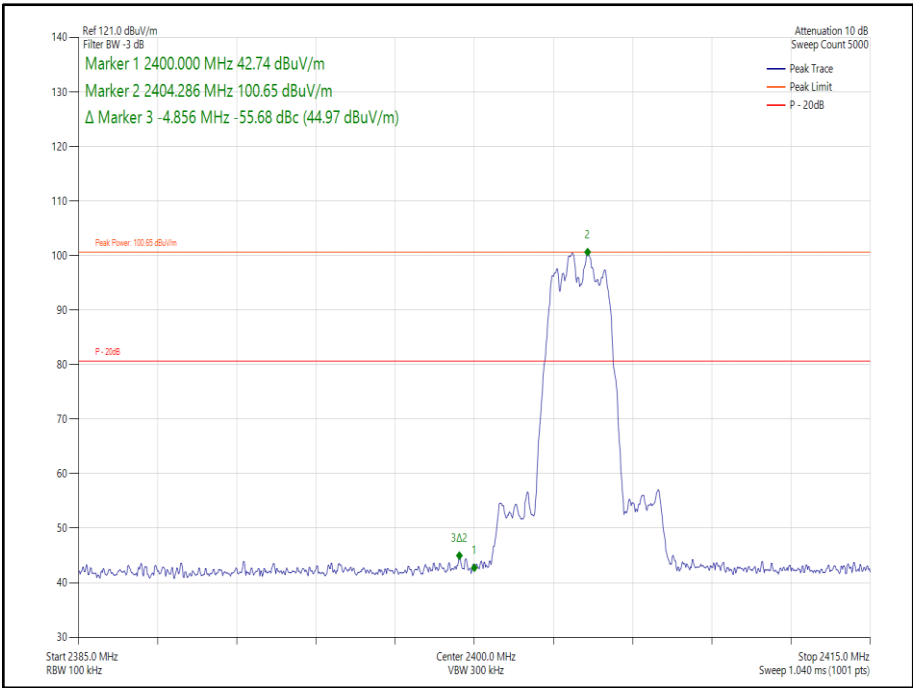


Figure 189 Core 1 -  $\pi/4$  DQPSK/4-DH5 - 2404 MHz – Band Edge Frequency 2400.0 MHz



iPA - HDR4

| Modulation    | Packet Type | Core | Tx Frequency (MHz) | Band Edge Frequency (MHz) | Level (dBc) |
|---------------|-------------|------|--------------------|---------------------------|-------------|
| $\pi/4$ DQPSK | 4-DH5       | 2    | 2404               | 2400.0                    | -57.29      |

Table 107 - Authorised Band Edge Results

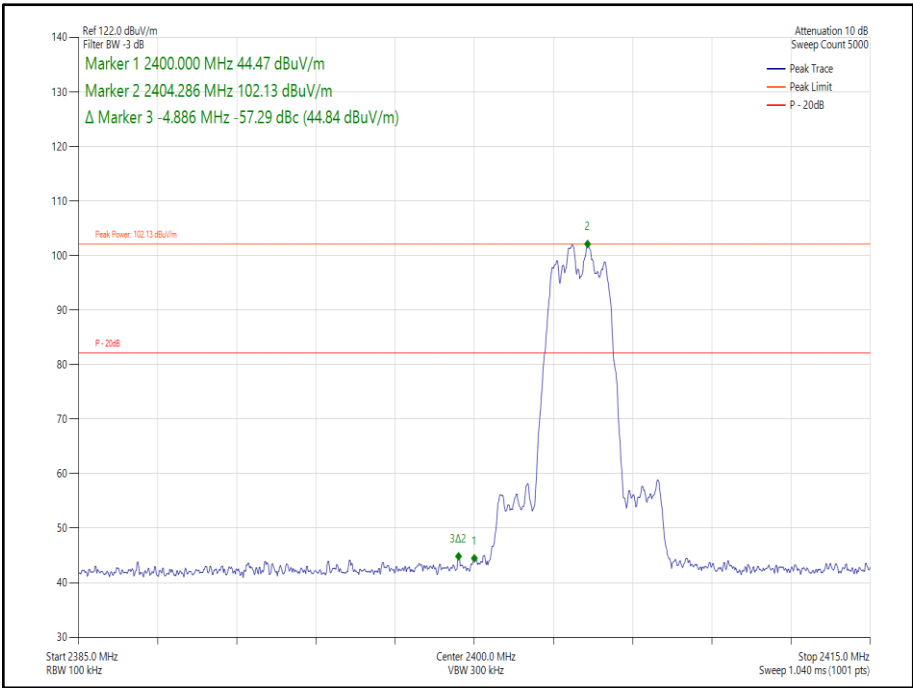


Figure 190 Core 2 -  $\pi/4$  DQPSK/4-DH5 - 2404 MHz – Band Edge Frequency 2400.0 MHz



iPA - HDR4

| Modulation    | Packet Type | Core | Tx Frequency (MHz) | Band Edge Frequency (MHz) | Level (dBc) |
|---------------|-------------|------|--------------------|---------------------------|-------------|
| $\pi/4$ DQPSK | 4-DH5       | 0-1  | 2404               | 2400.0                    | -60.95      |

Table 108 - Authorised Band Edge Results

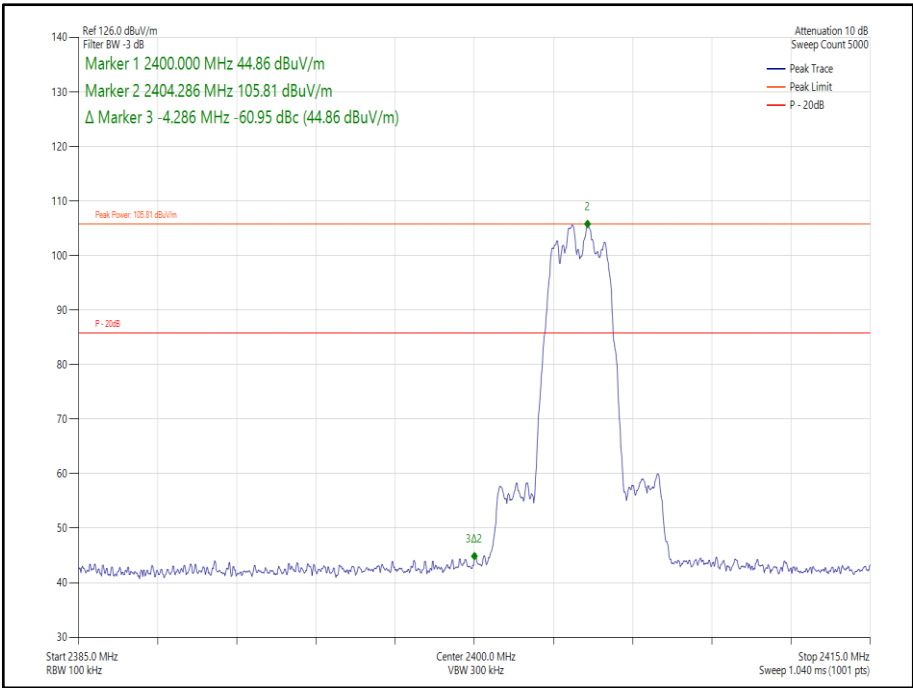


Figure 191 Core 0-1 -  $\pi/4$  DQPSK/4-DH5 - 2404 MHz – Band Edge Frequency 2400.0 MHz

ePA - HDR4

| Modulation    | Packet Type | Core | Tx Frequency (MHz) | Band Edge Frequency (MHz) | Level (dBc) |
|---------------|-------------|------|--------------------|---------------------------|-------------|
| $\pi/4$ DQPSK | 4-DH5       | 1    | 2404               | 2400.0                    | -61.64      |

Table 109 - Authorised Band Edge Results

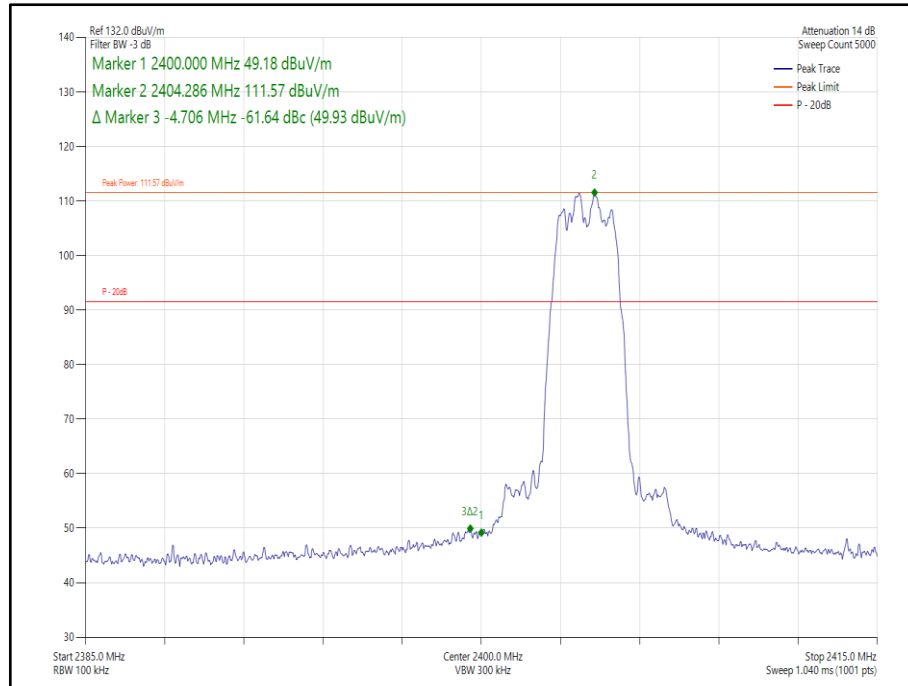


Figure 192 Core 1 -  $\pi/4$  DQPSK/ 4-DH5 - 2404 MHz – Band Edge Frequency 2400.0 MHz



iPA – HDR8

| Modulation    | Packet Type | Core | Tx Frequency (MHz) | Band Edge Frequency (MHz) | Level (dBc) |
|---------------|-------------|------|--------------------|---------------------------|-------------|
| $\pi/4$ DQPSK | 8-DH5       | 1    | 2404               | 2400.0                    | -42.73      |

Table 110 - Authorised Band Edge Results

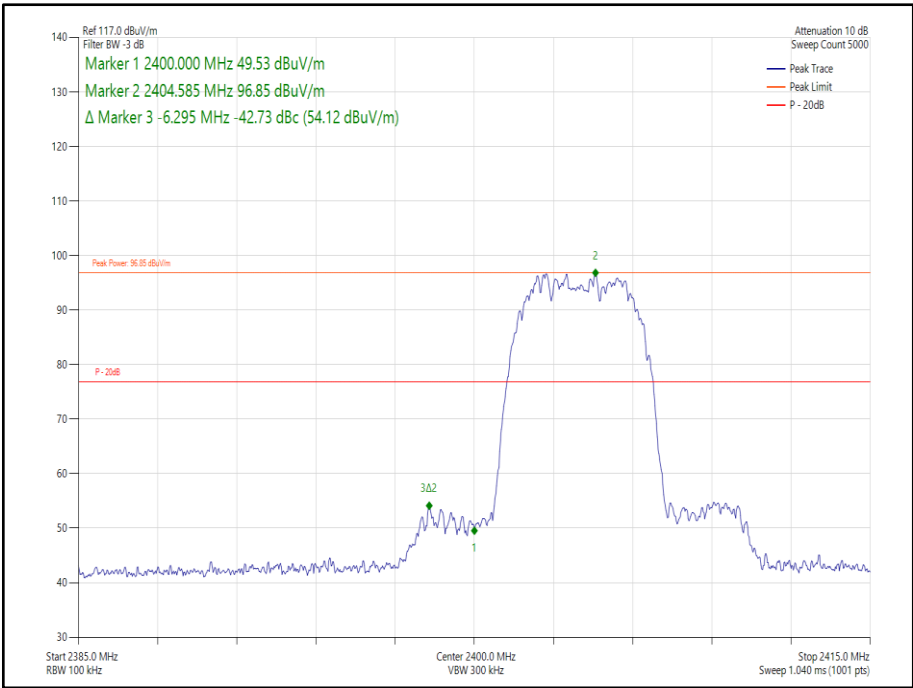
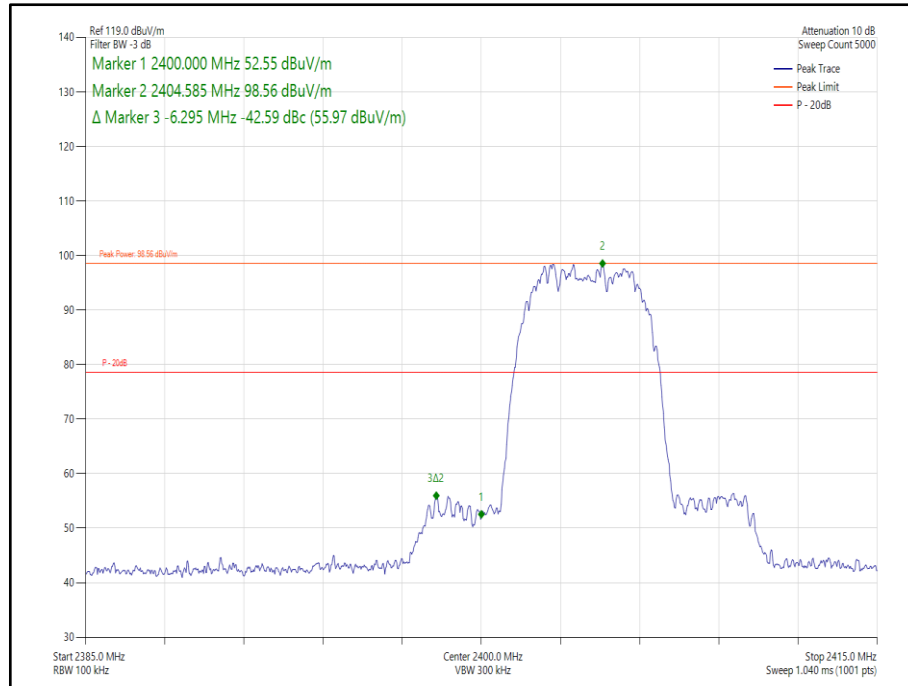


Figure 193 Core 1 -  $\pi/4$  DQPSK/8-DH5 - 2404 MHz – Band Edge Frequency 2400.0 MHz

iPA – HDR8

| Modulation    | Packet Type | Core | Tx Frequency (MHz) | Band Edge Frequency (MHz) | Level (dBc) |
|---------------|-------------|------|--------------------|---------------------------|-------------|
| $\pi/4$ DQPSK | 8-DH5       | 2    | 2404               | 2400.0                    | -42.59      |

**Table 111 - Authorised Band Edge Results**



**Figure 194 Core 2 -  $\pi/4$  DQPSK/8-DH5 - 2404 MHz – Band Edge Frequency 2400.0 MHz**



ePA – HDR8

| Modulation    | Packet Type | Core | Tx Frequency (MHz) | Band Edge Frequency (MHz) | Level (dBc) |
|---------------|-------------|------|--------------------|---------------------------|-------------|
| $\pi/4$ DQPSK | 8-DH5       | 0-1  | 2404               | 2400.0                    | -50.61      |

Table 112 - Authorised Band Edge Results

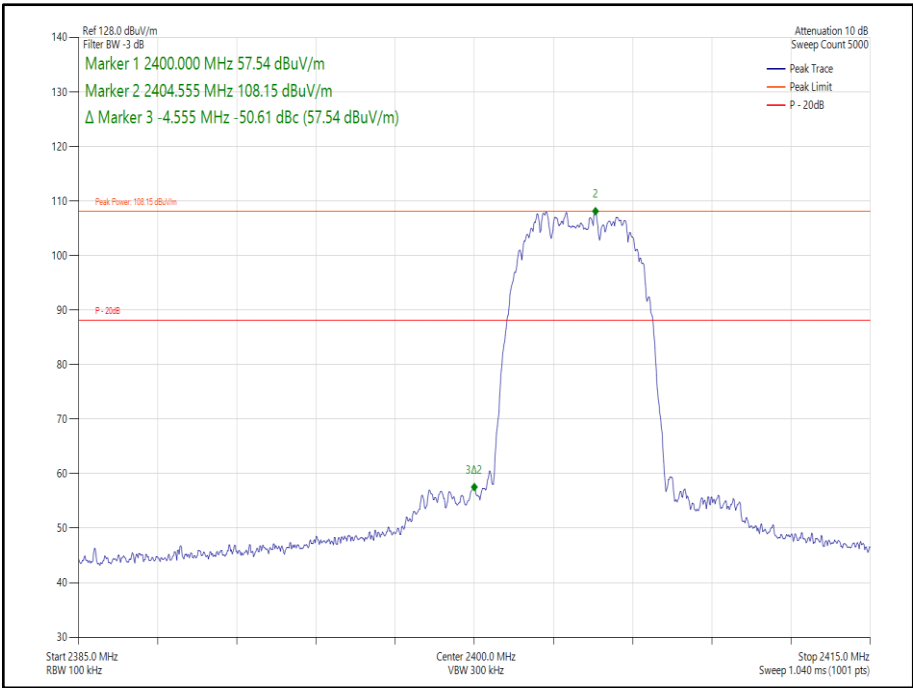
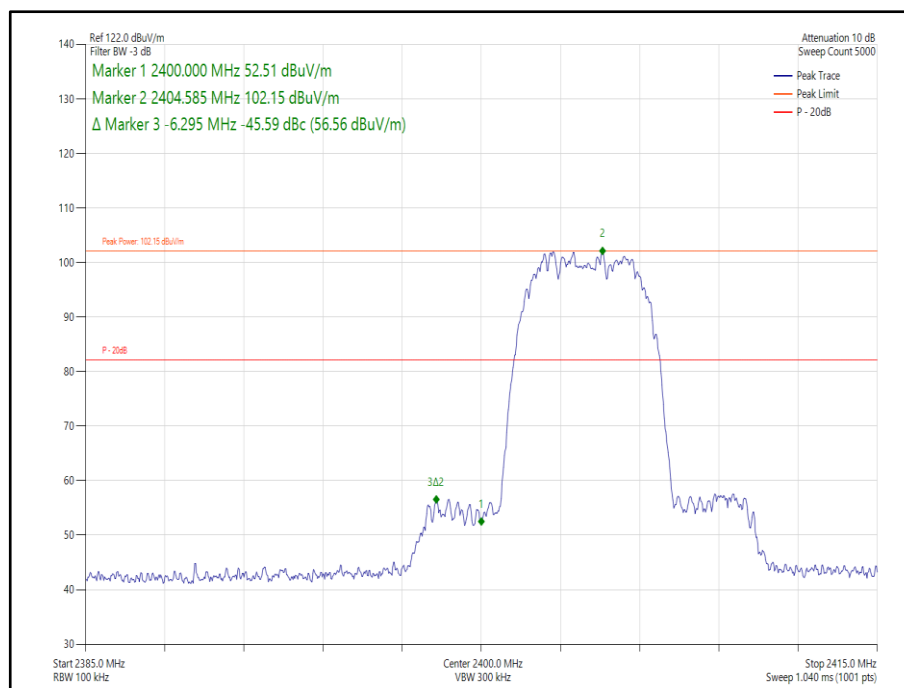


Figure 195 Core 0-1 -  $\pi/4$  DQPSK/8-DH5 - 2404 MHz – Band Edge Frequency 2400.0 MHz

iPA – HDR8

| Modulation    | Packet Type | Core | Tx Frequency (MHz) | Band Edge Frequency (MHz) | Level (dBc) |
|---------------|-------------|------|--------------------|---------------------------|-------------|
| $\pi/4$ DQPSK | 8-DH5       | 0-1  | 2404               | 2400.0                    | -45.59      |

**Table 113 - Authorised Band Edge Results**



**Figure 196 Core 0-1 -  $\pi/4$  DQPSK/8-DH5 - 2404 MHz – Band Edge Frequency 2400.0 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 5.5

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.



## 2.5.7 Test Location and Test Equipment Used

This test was carried out in RF Chamber 14.

| Instrument                           | Manufacturer       | Type No              | TE No | Calibration Period (months) | Calibration Expires |
|--------------------------------------|--------------------|----------------------|-------|-----------------------------|---------------------|
| EMI Test Receiver                    | Rohde & Schwarz    | ESW44                | 5912  | 12                          | 17-Feb-2023         |
| 5m Semi-Anechoic Chamber (Dual-Axis) | Albatross Projects | RF Chamber 14        | 5958  | 36                          | 26-Apr-2025         |
| 1500W (300V 12A) AC Power Supply     | iTech              | IT7324               | 5955  | -                           | O/P Mon             |
| Mast & Turntable Controller          | Maturo Gmbh        | FCU3.0               | 5960  | -                           | TU                  |
| Tilt Antenna Mast                    | Maturo Gmbh        | BAM4.5-P             | 5961  | -                           | TU                  |
| Turntable                            | Maturo Gmbh        | TT1.5SI              | 5962  | -                           | TU                  |
| Cable (SMA to SMA 1m)                | Junkosha           | MWX221-01000AMSAMS/A | 5997  | 12                          | 06-Jun-2023         |
| Cable (SMA to SMA 6.5m)              | Junkosha           | MWX221-06500AMSAMS/B | 6003  | 12                          | 07-Jun-2023         |
| Cable (SMA to SMA 1m)                | Junkosha           | MWX221-01000AMSAMS/A | 6008  | 12                          | 06-Jun-2023         |
| Horn Antenna (1-10 GHz)              | Schwarzbeck        | BBHA9120B            | 6141  | 12                          | 21-Jun-2023         |
| SAC Switch Unit                      | TUV SUD            | SSU001               | 6144  | 12                          | 07-Jul-2023         |
| Digital Multimeter                   | Fluke              | 115                  | 6147  | 12                          | 16-Jun-2023         |
| Humidity & Temperature meter         | R.S Components     | 1364                 | 6150  | 12                          | 17-Jun-2023         |

**Table 114**

TU – Traceability Unscheduled



## **2.6 Power Spectral Density**

### **2.6.1 Specification Reference**

FCC 47 CFR Part 15C, Clause 15.247 (e)  
ISED RSS-247, Clause 5.2  
ISED RSS-GEN, Clause 6.12

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

A2779, S/N: NX7LCFL417 - Modification State 0

### **2.6.3 Date of Test**

14-October-2022

### **2.6.4 Test Method**

This test was performed in accordance with ANSI C63.10, clause 11.10.2.

MIMO output port summing was performed in accordance with KDB 662911 D01 E)2)b).

### **2.6.5 Environmental Conditions**

|                     |         |
|---------------------|---------|
| Ambient Temperature | 23.6 °C |
| Relative Humidity   | 50.4 %  |



## 2.6.6 Test Results

### 2.4 GHz Bluetooth - DTS

| Test Configuration       |                              |                 |                |
|--------------------------|------------------------------|-----------------|----------------|
| Frequency Range:         | 2400-2483.5 MHz              | Band:           | 2.4 GHz        |
| Limit Clause(s):         | 15.247 (e)<br>RSS-247 5.2 b) | Test Method(s): | C63.10 11.10.2 |
| Additional Reference(s): | -                            |                 |                |

| DUT Configuration      |                           |                          |      |
|------------------------|---------------------------|--------------------------|------|
| Mode:                  | ePA $\pi/4$ DQPSK (4-DH5) | Duty Cycle (%):          | 78.1 |
| Antenna Configuration: | SISO                      | DCCF (dB):               | -    |
| Active Port(s):        | B (Core 1)                | Peak Antenna Gain (dBi): | -    |

| Test Frequency (MHz) | RBW (kHz) | PSD (dBm/RBW) |       |   |   |          | Limit (dBm/3 kHz) | Margin (dB) |
|----------------------|-----------|---------------|-------|---|---|----------|-------------------|-------------|
|                      |           | A             | B     | C | D | $\Sigma$ |                   |             |
| 2404                 | 3.0       | -             | -1.74 | - | - | -        | 8.00              | -9.74       |
| 2441                 | 3.0       | -             | -1.43 | - | - | -        | 8.00              | -9.43       |
| 2476                 | 3.0       | -             | -1.69 | - | - | -        | 8.00              | -9.69       |

**Table 115 - Maximum Power Spectral Density Results**

| Test Configuration       |                              |                 |                |
|--------------------------|------------------------------|-----------------|----------------|
| Frequency Range:         | 2400-2483.5 MHz              | Band:           | 2.4 GHz        |
| Limit Clause(s):         | 15.247 (e)<br>RSS-247 5.2 b) | Test Method(s): | C63.10 11.10.2 |
| Additional Reference(s): | -                            |                 |                |

| DUT Configuration      |                           |                          |      |
|------------------------|---------------------------|--------------------------|------|
| Mode:                  | ePA $\pi/4$ DQPSK (8-DH5) | Duty Cycle (%):          | 78.2 |
| Antenna Configuration: | SISO                      | DCCF (dB):               | -    |
| Active Port(s):        | B (Core 1)                | Peak Antenna Gain (dBi): | -    |

| Test Frequency (MHz) | RBW (kHz) | PSD (dBm/RBW) |       |   |   |          | Limit (dBm/3 kHz) | Margin (dB) |
|----------------------|-----------|---------------|-------|---|---|----------|-------------------|-------------|
|                      |           | A             | B     | C | D | $\Sigma$ |                   |             |
| 2404                 | 3.0       | -             | -1.33 | - | - | -        | 8.00              | -9.33       |
| 2441                 | 3.0       | -             | -1.30 | - | - | -        | 8.00              | -9.30       |
| 2476                 | 3.0       | -             | -1.29 | - | - | -        | 8.00              | -9.29       |

**Table 116 - Maximum Power Spectral Density Results**



| Test Configuration       |                              |                 |                |
|--------------------------|------------------------------|-----------------|----------------|
| Frequency Range:         | 2400-2483.5 MHz              | Band:           | 2.4 GHz        |
| Limit Clause(s):         | 15.247 (e)<br>RSS-247 5.2 b) | Test Method(s): | C63.10 11.10.2 |
| Additional Reference(s): | 662911 D01 v02r01 E)2)b)     |                 |                |

| DUT Configuration      |                           |                          |      |
|------------------------|---------------------------|--------------------------|------|
| Mode:                  | ePA $\pi/4$ DQPSK (4-DH5) | Duty Cycle (%):          | 78.1 |
| Antenna Configuration: | Beamforming               | DCCF (dB):               | -    |
| Active Port(s):        | A+B (Core 0 + Core 1)     | Peak Antenna Gain (dBi): | -    |

| Test Frequency (MHz) | RBW (kHz) | PSD (dBm/RBW) |       |   |   |          | Limit (dBm/3 kHz) | Margin (dB) |
|----------------------|-----------|---------------|-------|---|---|----------|-------------------|-------------|
|                      |           | A             | B     | C | D | $\Sigma$ |                   |             |
| 2404                 | 3.0       | -1.86         | -2.55 | - | - | 0.82     | 8.00              | -7.18       |
| 2441                 | 3.0       | -1.49         | -2.11 | - | - | 1.22     | 8.00              | -6.78       |
| 2476                 | 3.0       | -1.21         | -1.73 | - | - | 1.55     | 8.00              | -6.45       |

**Table 117 - Maximum Power Spectral Density Results**

| Test Configuration       |                              |                 |                |
|--------------------------|------------------------------|-----------------|----------------|
| Frequency Range:         | 2400-2483.5 MHz              | Band:           | 2.4 GHz        |
| Limit Clause(s):         | 15.247 (e)<br>RSS-247 5.2 b) | Test Method(s): | C63.10 11.10.2 |
| Additional Reference(s): | 662911 D01 v02r01 E)2)b)     |                 |                |

| DUT Configuration      |                           |                          |      |
|------------------------|---------------------------|--------------------------|------|
| Mode:                  | ePA $\pi/4$ DQPSK (8-DH5) | Duty Cycle (%):          | 78.2 |
| Antenna Configuration: | Beamforming               | DCCF (dB):               | -    |
| Active Port(s):        | A+B (Core 0 + Core 1)     | Peak Antenna Gain (dBi): | -    |

| Test Frequency (MHz) | RBW (kHz) | PSD (dBm/RBW) |       |   |   |          | Limit (dBm/3 kHz) | Margin (dB) |
|----------------------|-----------|---------------|-------|---|---|----------|-------------------|-------------|
|                      |           | A             | B     | C | D | $\Sigma$ |                   |             |
| 2404                 | 3.0       | -1.23         | -1.50 | - | - | 1.64     | 8.00              | -6.36       |
| 2441                 | 3.0       | -1.96         | -2.36 | - | - | 0.86     | 8.00              | -7.14       |
| 2476                 | 3.0       | -1.56         | -2.05 | - | - | 1.21     | 8.00              | -6.79       |

**Table 118 - Maximum Power Spectral Density Results**



| Test Configuration       |                              |                 |                |
|--------------------------|------------------------------|-----------------|----------------|
| Frequency Range:         | 2400-2483.5 MHz              | Band:           | 2.4 GHz        |
| Limit Clause(s):         | 15.247 (e)<br>RSS-247 5.2 b) | Test Method(s): | C63.10 11.10.2 |
| Additional Reference(s): | -                            |                 |                |

| DUT Configuration      |                           |                          |      |
|------------------------|---------------------------|--------------------------|------|
| Mode:                  | iPA $\pi/4$ DQPSK (4-DH5) | Duty Cycle (%):          | 78.1 |
| Antenna Configuration: | SISO                      | DCCF (dB):               | -    |
| Active Port(s):        | B (Core 1)                | Peak Antenna Gain (dBi): | -    |

| Test Frequency (MHz) | RBW (kHz) | PSD (dBm/RBW) |        |   |   |          | Limit (dBm/3 kHz) | Margin (dB) |
|----------------------|-----------|---------------|--------|---|---|----------|-------------------|-------------|
|                      |           | A             | B      | C | D | $\Sigma$ |                   |             |
| 2404                 | 3.0       | -             | -10.19 | - | - | -        | 8.00              | -18.19      |
| 2441                 | 3.0       | -             | -10.63 | - | - | -        | 8.00              | -18.63      |
| 2476                 | 3.0       | -             | -10.45 | - | - | -        | 8.00              | -18.45      |

**Table 119 - Maximum Power Spectral Density Results**

| Test Configuration       |                              |                 |                |
|--------------------------|------------------------------|-----------------|----------------|
| Frequency Range:         | 2400-2483.5 MHz              | Band:           | 2.4 GHz        |
| Limit Clause(s):         | 15.247 (e)<br>RSS-247 5.2 b) | Test Method(s): | C63.10 11.10.2 |
| Additional Reference(s): | -                            |                 |                |

| DUT Configuration      |                           |                          |      |
|------------------------|---------------------------|--------------------------|------|
| Mode:                  | iPA $\pi/4$ DQPSK (8-DH5) | Duty Cycle (%):          | 78.2 |
| Antenna Configuration: | SISO                      | DCCF (dB):               | -    |
| Active Port(s):        | B (Core 1)                | Peak Antenna Gain (dBi): | -    |

| Test Frequency (MHz) | RBW (kHz) | PSD (dBm/RBW) |        |   |   |          | Limit (dBm/3 kHz) | Margin (dB) |
|----------------------|-----------|---------------|--------|---|---|----------|-------------------|-------------|
|                      |           | A             | B      | C | D | $\Sigma$ |                   |             |
| 2404                 | 3.0       | -             | -10.56 | - | - | -        | 8.00              | -18.56      |
| 2441                 | 3.0       | -             | -10.39 | - | - | -        | 8.00              | -18.39      |
| 2476                 | 3.0       | -             | -10.18 | - | - | -        | 8.00              | -18.18      |

**Table 120 - Maximum Power Spectral Density Results**



| Test Configuration       |                              |                 |                |
|--------------------------|------------------------------|-----------------|----------------|
| Frequency Range:         | 2400-2483.5 MHz              | Band:           | 2.4 GHz        |
| Limit Clause(s):         | 15.247 (e)<br>RSS-247 5.2 b) | Test Method(s): | C63.10 11.10.2 |
| Additional Reference(s): | -                            |                 |                |

| DUT Configuration      |                           |                          |      |
|------------------------|---------------------------|--------------------------|------|
| Mode:                  | iPA $\pi/4$ DQPSK (4-DH5) | Duty Cycle (%):          | 78.1 |
| Antenna Configuration: | SISO                      | DCCF (dB):               | -    |
| Active Port(s):        | C (Core 2)                | Peak Antenna Gain (dBi): | -    |

| Test Frequency (MHz) | RBW (kHz) | PSD (dBm/RBW) |   |        |   |          | Limit (dBm/3 kHz) | Margin (dB) |
|----------------------|-----------|---------------|---|--------|---|----------|-------------------|-------------|
|                      |           | A             | B | C      | D | $\Sigma$ |                   |             |
| 2404                 | 3.0       | -             | - | -10.15 | - | -        | 8.00              | -18.15      |
| 2441                 | 3.0       | -             | - | -10.66 | - | -        | 8.00              | -18.66      |
| 2476                 | 3.0       | -             | - | -10.53 | - | -        | 8.00              | -18.53      |

**Table 121 - Maximum Power Spectral Density Results**

| Test Configuration       |                              |                 |                |
|--------------------------|------------------------------|-----------------|----------------|
| Frequency Range:         | 2400-2483.5 MHz              | Band:           | 2.4 GHz        |
| Limit Clause(s):         | 15.247 (e)<br>RSS-247 5.2 b) | Test Method(s): | C63.10 11.10.2 |
| Additional Reference(s): | -                            |                 |                |

| DUT Configuration      |                           |                          |      |
|------------------------|---------------------------|--------------------------|------|
| Mode:                  | iPA $\pi/4$ DQPSK (8-DH5) | Duty Cycle (%):          | 78.2 |
| Antenna Configuration: | SISO                      | DCCF (dB):               | -    |
| Active Port(s):        | C (Core 2)                | Peak Antenna Gain (dBi): | -    |

| Test Frequency (MHz) | RBW (kHz) | PSD (dBm/RBW) |   |        |   |          | Limit (dBm/3 kHz) | Margin (dB) |
|----------------------|-----------|---------------|---|--------|---|----------|-------------------|-------------|
|                      |           | A             | B | C      | D | $\Sigma$ |                   |             |
| 2404                 | 3.0       | -             | - | -10.51 | - | -        | 8.00              | -18.51      |
| 2441                 | 3.0       | -             | - | -10.73 | - | -        | 8.00              | -18.73      |
| 2476                 | 3.0       | -             | - | -10.35 | - | -        | 8.00              | -18.35      |

**Table 122 - Maximum Power Spectral Density Results**



| Test Configuration       |                              |                 |                |
|--------------------------|------------------------------|-----------------|----------------|
| Frequency Range:         | 2400-2483.5 MHz              | Band:           | 2.4 GHz        |
| Limit Clause(s):         | 15.247 (e)<br>RSS-247 5.2 b) | Test Method(s): | C63.10 11.10.2 |
| Additional Reference(s): | 662911 D01 v02r01 E)2)b)     |                 |                |

| DUT Configuration      |                           |                          |      |
|------------------------|---------------------------|--------------------------|------|
| Mode:                  | iPA $\pi/4$ DQPSK (4-DH5) | Duty Cycle (%):          | 78.1 |
| Antenna Configuration: | Beamforming               | DCCF (dB):               | -    |
| Active Port(s):        | A+B (Core 0 + Core 1)     | Peak Antenna Gain (dBi): | -    |

| Test Frequency (MHz) | RBW (kHz) | PSD (dBm/RBW) |        |   |   |          | Limit (dBm/3 kHz) | Margin (dB) |
|----------------------|-----------|---------------|--------|---|---|----------|-------------------|-------------|
|                      |           | A             | B      | C | D | $\Sigma$ |                   |             |
| 2404                 | 3.0       | -10.12        | -10.24 | - | - | -7.17    | 8.00              | -15.17      |
| 2441                 | 3.0       | -10.16        | -10.01 | - | - | -7.07    | 8.00              | -15.07      |
| 2476                 | 3.0       | -10.13        | -9.96  | - | - | -7.03    | 8.00              | -15.03      |

**Table 123 - Maximum Power Spectral Density Results**

| Test Configuration       |                              |                 |                |
|--------------------------|------------------------------|-----------------|----------------|
| Frequency Range:         | 2400-2483.5 MHz              | Band:           | 2.4 GHz        |
| Limit Clause(s):         | 15.247 (e)<br>RSS-247 5.2 b) | Test Method(s): | C63.10 11.10.2 |
| Additional Reference(s): | 662911 D01 v02r01 E)2)b)     |                 |                |

| DUT Configuration      |                           |                          |      |
|------------------------|---------------------------|--------------------------|------|
| Mode:                  | iPA $\pi/4$ DQPSK (8-DH5) | Duty Cycle (%):          | 78.2 |
| Antenna Configuration: | Beamforming               | DCCF (dB):               | -    |
| Active Port(s):        | A+B (Core 0 + Core 1)     | Peak Antenna Gain (dBi): | -    |

| Test Frequency (MHz) | RBW (kHz) | PSD (dBm/RBW) |        |   |   |          | Limit (dBm/3 kHz) | Margin (dB) |
|----------------------|-----------|---------------|--------|---|---|----------|-------------------|-------------|
|                      |           | A             | B      | C | D | $\Sigma$ |                   |             |
| 2404                 | 3.0       | -10.08        | -10.08 | - | - | -7.07    | 8.00              | -15.07      |
| 2441                 | 3.0       | -10.06        | -9.93  | - | - | -6.98    | 8.00              | -14.98      |
| 2476                 | 3.0       | -10.01        | -9.89  | - | - | -6.94    | 8.00              | -14.94      |

**Table 124 - Maximum Power Spectral Density Results**



| Test Configuration       |                              |                 |                |
|--------------------------|------------------------------|-----------------|----------------|
| Frequency Range:         | 2400-2483.5 MHz              | Band:           | 2.4 GHz        |
| Limit Clause(s):         | 15.247 (e)<br>RSS-247 5.2 b) | Test Method(s): | C63.10 11.10.2 |
| Additional Reference(s): | -                            |                 |                |

| DUT Configuration      |                  |                          |      |
|------------------------|------------------|--------------------------|------|
| Mode:                  | iPA GFSK (LE 1M) | Duty Cycle (%):          | 60.4 |
| Antenna Configuration: | SISO             | DCCF (dB):               | -    |
| Active Port(s):        | B (Core 1)       | Peak Antenna Gain (dBi): | -    |

| Test Frequency (MHz) | RBW (kHz) | PSD (dBm/RBW) |       |   |   |          | Limit (dBm/3 kHz) | Margin (dB) |
|----------------------|-----------|---------------|-------|---|---|----------|-------------------|-------------|
|                      |           | A             | B     | C | D | $\Sigma$ |                   |             |
| 2402                 | 3.0       | -             | -6.96 | - | - | -        | 8.00              | -14.96      |
| 2440                 | 3.0       | -             | -7.41 | - | - | -        | 8.00              | -15.41      |
| 2480                 | 3.0       | -             | -6.86 | - | - | -        | 8.00              | -14.86      |

**Table 125 - Maximum Power Spectral Density Results**

| Test Configuration       |                              |                 |                |
|--------------------------|------------------------------|-----------------|----------------|
| Frequency Range:         | 2400-2483.5 MHz              | Band:           | 2.4 GHz        |
| Limit Clause(s):         | 15.247 (e)<br>RSS-247 5.2 b) | Test Method(s): | C63.10 11.10.2 |
| Additional Reference(s): | -                            |                 |                |

| DUT Configuration      |                  |                          |      |
|------------------------|------------------|--------------------------|------|
| Mode:                  | iPA GFSK (LE 2M) | Duty Cycle (%):          | 31.3 |
| Antenna Configuration: | SISO             | DCCF (dB):               | -    |
| Active Port(s):        | B (Core 1)       | Peak Antenna Gain (dBi): | -    |

| Test Frequency (MHz) | RBW (kHz) | PSD (dBm/RBW) |       |   |   |          | Limit (dBm/3 kHz) | Margin (dB) |
|----------------------|-----------|---------------|-------|---|---|----------|-------------------|-------------|
|                      |           | A             | B     | C | D | $\Sigma$ |                   |             |
| 2402                 | 3.0       | -             | -9.12 | - | - | -        | 8.00              | -17.12      |
| 2440                 | 3.0       | -             | -9.24 | - | - | -        | 8.00              | -17.24      |
| 2480                 | 3.0       | -             | -9.40 | - | - | -        | 8.00              | -17.40      |

**Table 126 - Maximum Power Spectral Density Results**



| Test Configuration       |                              |                 |                |
|--------------------------|------------------------------|-----------------|----------------|
| Frequency Range:         | 2400-2483.5 MHz              | Band:           | 2.4 GHz        |
| Limit Clause(s):         | 15.247 (e)<br>RSS-247 5.2 b) | Test Method(s): | C63.10 11.10.2 |
| Additional Reference(s): | -                            |                 |                |

| DUT Configuration      |                  |                          |      |
|------------------------|------------------|--------------------------|------|
| Mode:                  | iPA GFSK (LE 1M) | Duty Cycle (%):          | 60.4 |
| Antenna Configuration: | SISO             | DCCF (dB):               | -    |
| Active Port(s):        | C (Core 2)       | Peak Antenna Gain (dBi): | -    |

| Test Frequency (MHz) | RBW (kHz) | PSD (dBm/RBW) |   |       |   |          | Limit (dBm/3 kHz) | Margin (dB) |
|----------------------|-----------|---------------|---|-------|---|----------|-------------------|-------------|
|                      |           | A             | B | C     | D | $\Sigma$ |                   |             |
| 2402                 | 3.0       | -             | - | -7.78 | - | -        | 8.00              | -15.78      |
| 2440                 | 3.0       | -             | - | -7.76 | - | -        | 8.00              | -15.76      |
| 2480                 | 3.0       | -             | - | -7.28 | - | -        | 8.00              | -15.28      |

**Table 127 - Maximum Power Spectral Density Results**

| Test Configuration       |                              |                 |                |
|--------------------------|------------------------------|-----------------|----------------|
| Frequency Range:         | 2400-2483.5 MHz              | Band:           | 2.4 GHz        |
| Limit Clause(s):         | 15.247 (e)<br>RSS-247 5.2 b) | Test Method(s): | C63.10 11.10.2 |
| Additional Reference(s): | -                            |                 |                |

| DUT Configuration      |                  |                          |      |
|------------------------|------------------|--------------------------|------|
| Mode:                  | iPA GFSK (LE 2M) | Duty Cycle (%):          | 31.3 |
| Antenna Configuration: | SISO             | DCCF (dB):               | -    |
| Active Port(s):        | C (Core 2)       | Peak Antenna Gain (dBi): | -    |

| Test Frequency (MHz) | RBW (kHz) | PSD (dBm/RBW) |   |       |   |          | Limit (dBm/3 kHz) | Margin (dB) |
|----------------------|-----------|---------------|---|-------|---|----------|-------------------|-------------|
|                      |           | A             | B | C     | D | $\Sigma$ |                   |             |
| 2402                 | 3.0       | -             | - | -9.85 | - | -        | 8.00              | -17.85      |
| 2440                 | 3.0       | -             | - | -9.40 | - | -        | 8.00              | -17.40      |
| 2480                 | 3.0       | -             | - | -9.57 | - | -        | 8.00              | -17.57      |

**Table 128 - Maximum Power Spectral Density Results**



| Test Configuration       |                              |                 |                |
|--------------------------|------------------------------|-----------------|----------------|
| Frequency Range:         | 2400-2483.5 MHz              | Band:           | 2.4 GHz        |
| Limit Clause(s):         | 15.247 (e)<br>RSS-247 5.2 b) | Test Method(s): | C63.10 11.10.2 |
| Additional Reference(s): | 662911 D01 v02r01 E)2)b)     |                 |                |

| DUT Configuration      |                       |                          |      |
|------------------------|-----------------------|--------------------------|------|
| Mode:                  | iPA GFSK (LE 1M)      | Duty Cycle (%):          | 60.4 |
| Antenna Configuration: | Beamforming           | DCCF (dB):               | -    |
| Active Port(s):        | A+B (Core 0 + Core 1) | Peak Antenna Gain (dBi): | -    |

| Test Frequency (MHz) | RBW (kHz) | PSD (dBm/RBW) |       |   |   |          | Limit (dBm/3 kHz) | Margin (dB) |
|----------------------|-----------|---------------|-------|---|---|----------|-------------------|-------------|
|                      |           | A             | B     | C | D | $\Sigma$ |                   |             |
| 2402                 | 3.0       | -7.17         | -7.43 | - | - | -4.29    | 8.00              | -12.29      |
| 2440                 | 3.0       | -7.36         | -7.41 | - | - | -4.37    | 8.00              | -12.37      |
| 2480                 | 3.0       | -6.73         | -6.91 | - | - | -3.81    | 8.00              | -11.81      |

**Table 129 - Maximum Power Spectral Density Results**

| Test Configuration       |                              |                 |                |
|--------------------------|------------------------------|-----------------|----------------|
| Frequency Range:         | 2400-2483.5 MHz              | Band:           | 2.4 GHz        |
| Limit Clause(s):         | 15.247 (e)<br>RSS-247 5.2 b) | Test Method(s): | C63.10 11.10.2 |
| Additional Reference(s): | 662911 D01 v02r01 E)2)b)     |                 |                |

| DUT Configuration      |                       |                          |      |
|------------------------|-----------------------|--------------------------|------|
| Mode:                  | iPA GFSK (LE 2M)      | Duty Cycle (%):          | 31.2 |
| Antenna Configuration: | Beamforming           | DCCF (dB):               | -    |
| Active Port(s):        | A+B (Core 0 + Core 1) | Peak Antenna Gain (dBi): | -    |

| Test Frequency (MHz) | RBW (kHz) | PSD (dBm/RBW) |       |   |   |          | Limit (dBm/3 kHz) | Margin (dB) |
|----------------------|-----------|---------------|-------|---|---|----------|-------------------|-------------|
|                      |           | A             | B     | C | D | $\Sigma$ |                   |             |
| 2402                 | 3.0       | -9.38         | -9.30 | - | - | -6.33    | 8.00              | -14.33      |
| 2440                 | 3.0       | -9.50         | -9.39 | - | - | -6.44    | 8.00              | -14.44      |
| 2480                 | 3.0       | -8.80         | -8.94 | - | - | -5.86    | 8.00              | -13.86      |

**Table 130 - Maximum Power Spectral Density Results**



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

The power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

ISED RSS-247, Limit Clause 5.2(b)

The transmitter power spectral density conducted from the transmitter to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission

**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 Expires |
|------------------------------|-----------------------|---------------------------|-------|-----------------------------|---------------------|
| Multimeter                   | Fluke                 | 79 Series III             | 611   | 12                          | 21-Dec-2022         |
| Hygrometer                   | Rotronic              | I-1000                    | 3220  | 12                          | 05-Nov-2022         |
| Frequency Standard           | Spectracom            | SecureSync 1200-0408-0601 | 4393  | 6                           | 01-Feb-2023         |
| AC Programmable Power Supply | iTech                 | IT7324                    | 5226  | -                           | O/P Mon             |
| MXA Signal Analyser          | Keysight Technologies | N9020B                    | 5529  | 24                          | 13-Sep-2024         |
| Signal Conditioning Unit     | TUV SUD               | SPECTRUM SCU002           | 5759  | 12                          | 05-Jul-2023         |

**Table 131**

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 |
| Emission Bandwidth             | $\pm 73.60$ kHz                                                |
| Maximum Conducted Output Power | $\pm 1.38$ dB                                                  |
| Spurious Radiated Emissions    | 30 MHz to 1 GHz: $\pm 5.2$ dB<br>1 GHz to 40 GHz: $\pm 6.3$ dB |
| Authorised Band Edges          | 30 MHz to 1 GHz: $\pm 5.2$ dB<br>1 GHz to 40 GHz: $\pm 6.3$ dB |
| Power Spectral Density         | $\pm 1.49$ dB                                                  |

**Table 132**

#### Measurement Uncertainty Decision Rule – Accuracy Method

Determination of conformity with the specification limits is based on the decision rule according to IEC Guide 115:2007, Clause 4.4.3 and 4.5.1. (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.