

# FCC and ISED Test Report

Apple Inc  
Model: A3469



In accordance with FCC 47 CFR Part 15, ISED  
RSS-247, ISED RSS-248 and ISED RSS-GEN  
(2.4 GHz Bluetooth, 2.4 GHz WLAN, 5 GHz  
WLAN, 6 GHz WLAN, Narrowband and Thread)

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## SIGNATURE

| NAME         | JOB TITLE                   | RESPONSIBLE FOR      | ISSUE DATE      |
|--------------|-----------------------------|----------------------|-----------------|
| Steven White | Senior Technical Specialist | Authorised Signatory | 06 October 2026 |

Signatures in this approval box have checked this document in line with the requirements of TÜV SÜD document control rules.

## ENGINEERING STATEMENT

The measurements shown in this report were made in accordance with the procedures described on test pages. All reported testing was carried out on a sample equipment to demonstrate limited compliance with FCC 47 CFR Part 15, ISED RSS-247, ISED RSS-248 and ISED RSS-GEN. The sample tested was found to comply with the requirements defined in the applied rules.

| RESPONSIBLE FOR   | NAME             | DATE            | SIGNATURE |
|-------------------|------------------|-----------------|-----------|
| Report Generation | Malwina Kowalska | 06 October 2026 |           |

FCC Accreditation

553713/UK2026 Concorde Park, Fareham Test Laboratory

ISED Accreditation

28798/UK0003 Concorde Park, Fareham Test Laboratory

## EXECUTIVE SUMMARY

A sample of this product was tested and found to be compliant with FCC 47 CFR Part 15: 2025, ISED RSS-247: Issue 4 (2025-07), ISED RSS-248: Issue 3 (2024-10) and ISED RSS-GEN: Issue 5 (2018-04) + A2 (2021-02) for the tests detailed in section 1.3.



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Contents

**1      Report Summary .....2**

1.1      Report Modification Record.....2

1.2      Introduction.....2

1.3      Brief Summary of Results .....3

1.4      Product Information .....6

1.5      Deviations from the Standard.....6

1.6      Identification of the EUT .....6

1.7      EUT Modification Record .....6

1.8      Test Location.....7

**2      Test Details .....9**

2.1      Radiated Spurious Emissions (Simultaneous Transmission) .....9

**3      Measurement Uncertainty .....58**



1 Report Summary

1.1 Report Modification Record

Alterations and additions to this report will be issued to the holders of each copy in the form of a complete document.

| Issue | Description of Change | Date of Issue   |
|-------|-----------------------|-----------------|
| 1     | First Issue           | 06 October 2026 |

Table 1

1.2 Introduction

|                               |                                                                                                                                                  |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Applicant                     | Apple Inc                                                                                                                                        |
| Manufacturer                  | Apple Inc                                                                                                                                        |
| EUT/Sample Identification     | Refer to section 1.6                                                                                                                             |
| Test Specification/Issue/Date | FCC 47 CFR Part 15: 2025<br>ISED RSS-247: Issue 4 (2025-07)<br>ISED RSS-248: Issue 3 (2024-10)<br>ISED RSS-GEN: Issue 5 (2018-04) + A2 (2021-02) |
| Start of Test                 | 03-September-2026                                                                                                                                |
| Finish of Test                | 09-September-2026                                                                                                                                |
| Name of Engineer(s)           | Gridi Bilali, Ahmed Al Derdiri, Manohar Thota, Marius Vasii, Morsalin Hossain                                                                    |
| Related Document(s)           | ANSI C63.4 (2014)<br>ANSI C63.10 (2020) +Cor.1-2023+C63.10a-2024<br>KDB 789033 D02 v02r01<br>KDB 987594 D02 v03                                  |



### 1.3 Brief Summary of Results

A brief summary of the tests carried out in accordance with FCC Part 15, ISED RSS-247, ISED RSS-248 and ISED RSS-GEN is shown below.

| Section                                                  | Specification Clause                  |             |         |              | Test Description                                           | Result | Comments/Base Standard                                                                                              |
|----------------------------------------------------------|---------------------------------------|-------------|---------|--------------|------------------------------------------------------------|--------|---------------------------------------------------------------------------------------------------------------------|
|                                                          | Part 15                               | RSS-247     | RSS-248 | RSS-GEN      |                                                            |        |                                                                                                                     |
| Configuration and Mode: 5 GHz WLAN and 2.4 GHz Bluetooth |                                       |             |         |              |                                                            |        |                                                                                                                     |
| 2.1                                                      | 15.209,<br>15.247(d) and<br>15.407(b) | 6.6 and 7.3 | -       | 6.13 and 8.9 | Radiated Spurious Emissions<br>(Simultaneous Transmission) | Pass   | ANSI C63.4 (2014)<br>ANSI C63.10 (2020) +Cor.1-<br>2023+C63.10a-2024<br>KDB 789033 D02 v02r01                       |
| Configuration and Mode: 6 GHz WLAN and 2.4 GHz Bluetooth |                                       |             |         |              |                                                            |        |                                                                                                                     |
| 2.1                                                      | 15.209,<br>15.247(d) and<br>15.407(b) | 6.6         | 4.6.2   | 6.13 and 8.9 | Radiated Spurious Emissions<br>(Simultaneous Transmission) | Pass   | ANSI C63.4 (2014)<br>ANSI C63.10 (2020) +Cor.1-<br>2023+C63.10a-2024<br>KDB 789033 D02 v02r01<br>KDB 987594 D02 v03 |
| Configuration and Mode: 5 GHz WLAN and Thread            |                                       |             |         |              |                                                            |        |                                                                                                                     |
| 2.1                                                      | 15.209,<br>15.247(d) and<br>15.407(b) | 6.6 and 7.3 | -       | 6.13 and 8.9 | Radiated Spurious Emissions<br>(Simultaneous Transmission) | Pass   | ANSI C63.4 (2014)<br>ANSI C63.10 (2020) +Cor.1-<br>2023+C63.10a-2024<br>KDB 789033 D02 v02r01                       |
| Configuration and Mode: 6 GHz WLAN and Thread            |                                       |             |         |              |                                                            |        |                                                                                                                     |
| 2.1                                                      | 15.209,<br>15.247(d) and<br>15.407(b) | 6.6         | 4.6.2   | 6.13 and 8.9 | Radiated Spurious Emissions<br>(Simultaneous Transmission) | Pass   | ANSI C63.4 (2014)<br>ANSI C63.10 (2020) +Cor.1-<br>2023+C63.10a-2024<br>KDB 789033 D02 v02r01<br>KDB 987594 D02 v03 |



| Section                                                                        | Specification Clause                  |             |       |              | Test Description                                           | Result | Comments/Base Standard                                                                                              |
|--------------------------------------------------------------------------------|---------------------------------------|-------------|-------|--------------|------------------------------------------------------------|--------|---------------------------------------------------------------------------------------------------------------------|
| Configuration and Mode 2.4 GHz WLAN and 2.4 GHz Bluetooth and 5 GHz Narrowband |                                       |             |       |              |                                                            |        |                                                                                                                     |
| 2.1                                                                            | 15.209,<br>15.247(d) and<br>15.407(b) | 6.6 and 7.3 | -     | 6.13 and 8.9 | Radiated Spurious Emissions<br>(Simultaneous Transmission) | Pass   | ANSI C63.4 (2014)<br>ANSI C63.10 (2020) +Cor.1-<br>2023+C63.10a-2024<br>KDB 789033 D02 v02r01                       |
| Configuration and Mode 2.4 GHz WLAN and Thread and 5 GHz Narrowband            |                                       |             |       |              |                                                            |        |                                                                                                                     |
| 2.1                                                                            | 15.209,<br>15.247(d) and<br>15.407(b) | 6.6 and 7.3 | -     | 6.13 and 8.9 | Radiated Spurious Emissions<br>(Simultaneous Transmission) | Pass   | ANSI C63.4 (2014)<br>ANSI C63.10 (2020) +Cor.1-<br>2023+C63.10a-2024<br>KDB 789033 D02 v02r01                       |
| Configuration and Mode: 2.4 GHz WLAN and 2.4 GHz Bluetooth and 5 GHz WLAN      |                                       |             |       |              |                                                            |        |                                                                                                                     |
| 2.1                                                                            | 15.209,<br>15.247(d) and<br>15.407(b) | 6.6 and 7.3 | -     | 6.13 and 8.9 | Radiated Spurious Emissions<br>(Simultaneous Transmission) | Pass   | ANSI C63.4 (2014)<br>ANSI C63.10 (2020) +Cor.1-<br>2023+C63.10a-2024<br>KDB 789033 D02 v02r01                       |
| Configuration and Mode: 2.4 GHz WLAN and 2.4 GHz Bluetooth and 6 GHz WLAN      |                                       |             |       |              |                                                            |        |                                                                                                                     |
| 2.1                                                                            | 15.209,<br>15.247(d) and<br>15.407(b) | 6.6         | 4.6.2 | 6.13 and 8.9 | Radiated Spurious Emissions<br>(Simultaneous Transmission) | Pass   | ANSI C63.4 (2014)<br>ANSI C63.10 (2020) +Cor.1-<br>2023+C63.10a-2024<br>KDB 789033 D02 v02r01<br>KDB 987594 D02 v03 |



| Section                                                        | Specification Clause                  |             |       |              | Test Description                                           | Result | Comments/Base Standard                                                                                              |
|----------------------------------------------------------------|---------------------------------------|-------------|-------|--------------|------------------------------------------------------------|--------|---------------------------------------------------------------------------------------------------------------------|
| Configuration and Mode: 2.4 GHz WLAN and Thread and 5 GHz WLAN |                                       |             |       |              |                                                            |        |                                                                                                                     |
| 2.1                                                            | 15.209,<br>15.247(d) and<br>15.407(b) | 6.6 and 7.3 | -     | 6.13 and 8.9 | Radiated Spurious Emissions<br>(Simultaneous Transmission) | Pass   | ANSI C63.4 (2014)<br>ANSI C63.10 (2020) +Cor.1-<br>2023+C63.10a-2024<br>KDB 789033 D02 v02r01                       |
| Configuration and Mode: 2.4 GHz WLAN and Thread and 6 GHz WLAN |                                       |             |       |              |                                                            |        |                                                                                                                     |
| 2.1                                                            | 15.209,<br>15.247(d) and<br>15.407(b) | 6.6         | 4.6.2 | 6.13 and 8.9 | Radiated Spurious Emissions<br>(Simultaneous Transmission) | Pass   | ANSI C63.4 (2014)<br>ANSI C63.10 (2020) +Cor.1-<br>2023+C63.10a-2024<br>KDB 789033 D02 v02r01<br>KDB 987594 D02 v03 |
| Configuration and Mode: 2.4 GHz Bluetooth and Narrowband       |                                       |             |       |              |                                                            |        |                                                                                                                     |
| 2.1                                                            | 15.247(d) and<br>15.407(b)            | 6.6 and 6.2 | -     | 6.13 and 8.9 | Radiated Spurious Emissions<br>(Simultaneous Transmission) | Pass   | ANSI C63.4 (2014)<br>ANSI C63.10 (2020) +Cor.1-<br>2023+C63.10a-2024<br>KDB 789033 D02 v02r01<br>KDB 987594 D02 v03 |
| Configuration and Mode: Thread and 5GHz Narrowband             |                                       |             |       |              |                                                            |        |                                                                                                                     |
| 2.1                                                            | 15.209,<br>15.247(d) and<br>15.407(b) | 6.6 and 7.3 | -     | 6.13 and 8.9 | Radiated Spurious Emissions<br>(Simultaneous Transmission) | Pass   | ANSI C63.4 (2014)<br>ANSI C63.10 (2020) +Cor.1-<br>2023+C63.10a-2024<br>KDB 789033 D02 v02r01                       |

**Table 2**



## 1.4 Product Information

### 1.4.1 Technical Description

The equipment under test (EUT) was a portable laptop computer.

### 1.5 Deviations from the Standard

No deviations from the applicable test standard were made during testing.

### 1.6 Identification of the EUT

The table below details identification of the EUT(s) that have been used to carry out the testing within this report.

|               |                  |                  |
|---------------|------------------|------------------|
| Model: A3469  |                  |                  |
| Serial Number | Hardware Version | Software Version |
| CYK71DJW99    | REV1.0           | 26A300           |

**Table 3**

### 1.7 EUT Modification Record

The table below details modifications made to the EUT during the test programme.

The modifications incorporated during each test are recorded on the appropriate test pages.

| Modification State                      | Description of Modification still fitted to EUT | Modification Fitted By | Date Modification Fitted |
|-----------------------------------------|-------------------------------------------------|------------------------|--------------------------|
| Model: A3469, Serial Number: CYK71DJW99 |                                                 |                        |                          |
| 0                                       | As supplied by the customer                     | Not Applicable         | Not Applicable           |

**Table 4**



## 1.8 Test Location

TÜV SÜD conducted the following tests at our Concorde Park Test Laboratory.

| Test Name                                                                    | Name of Engineer(s)                                                           | Accreditation |
|------------------------------------------------------------------------------|-------------------------------------------------------------------------------|---------------|
| Configuration and Mode: 5 GHz WLAN and 2.4 GHz Bluetooth                     |                                                                               |               |
| Radiated Spurious Emissions (Simultaneous Transmission)                      | Gridi Bilali, Ahmed Al Derdiri, Marius Vasii, Manohar Thota                   | UKAS          |
| Configuration and Mode: 6 GHz WLAN and 2.4 GHz Bluetooth                     |                                                                               |               |
| Radiated Spurious Emissions (Simultaneous Transmission)                      | Gridi Bilali, Ahmed Al Derdiri, Manohar Thota, Marius Vasii                   | UKAS          |
| Configuration and Mode: 5 GHz WLAN and Thread                                |                                                                               |               |
| Radiated Spurious Emissions (Simultaneous Transmission)                      | Gridi Bilali, Manohar Thota                                                   | UKAS          |
| Configuration and Mode: 6 GHz WLAN and Thread                                |                                                                               |               |
| Radiated Spurious Emissions (Simultaneous Transmission)                      | Gridi Bilali, Manohar Thota, Marius Vasii                                     | UKAS          |
| Configuration and Mode: 2.4 GHz WLAN, 2.4 GHz Bluetooth and 5 GHz Narrowband |                                                                               |               |
| Radiated Spurious Emissions (Simultaneous Transmission)                      | Gridi Bilali, Manohar Thota, Marius Vasii                                     | UKAS          |
| Configuration and Mode: 2.4 GHz WLAN, Thread and 5 GHz Narrowband            |                                                                               |               |
| Radiated Spurious Emissions (Simultaneous Transmission)                      | Ahmed Al Derdiri, Manohar Thota, Gridi Bilali                                 | UKAS          |
| Configuration and Mode: 2.4 GHz WLAN, 2.4 GHz Bluetooth and 5 GHz WLAN       |                                                                               |               |
| Radiated Spurious Emissions (Simultaneous Transmission)                      | Ahmed Al Derdiri, Manohar Thota, Gridi Bilali                                 | UKAS          |
| Configuration and Mode: 2.4 GHz WLAN, 2.4 GHz Bluetooth and 6 GHz WLAN       |                                                                               |               |
| Radiated Spurious Emissions (Simultaneous Transmission)                      | Ahmed Al Derdiri, Marius Vasii, Manohar Thota, Gridi Bilali                   | UKAS          |
| Configuration and Mode: 2.4 GHz WLAN, Thread and 5 GHz WLAN                  |                                                                               |               |
| Radiated Spurious Emissions (Simultaneous Transmission)                      | Ahmed Al Derdiri, Marius Vasii, Gridi Bilali, Manohar Thota, Morsalin Hossain | UKAS          |
| Configuration and Mode: 2.4 GHz WLAN, Thread and 6 GHz WLAN                  |                                                                               |               |
| Radiated Spurious Emissions (Simultaneous Transmission)                      | Marius Vasii, Gridi Bilali, Manohar Thota                                     | UKAS          |
| Configuration and Mode: 2.4 GHz Bluetooth and 5GHz Narrowband                |                                                                               |               |
| Radiated Spurious Emissions (Simultaneous Transmission)                      | Marius Vasii, Gridi Bilali, Manohar Thota                                     | UKAS          |
| Configuration and Mode: Thread and 5GHz Narrowband                           |                                                                               |               |
| Radiated Spurious Emissions (Simultaneous Transmission)                      | Marius Vasii, Gridi Bilali, Manohar Thota                                     | UKAS          |

**Table 5**



Office Address:

TÜV SÜD  
Concorde Park  
Concorde Way  
Fareham  
Hampshire  
PO15 5FG  
United Kingdom



## 2 Test Details

### 2.1 Radiated Spurious Emissions (Simultaneous Transmission)

#### 2.1.1 Specification Reference

FCC 47 CFR Part 15, Clause 15.209, 15.247(d) and 15.407(b)  
ISED RSS-247, Clause 6.6 and 7.3  
ISED RSS-248, Clause 4.6  
ISED RSS-GEN, Clause 6.13 and 8.9

#### 2.1.2 Equipment Under Test and Modification State

A3469, S/N: CYK71DJW99 - Modification State 0

#### 2.1.3 Date of Test

03-September-2026 to 09-September-2026

#### 2.1.4 Test Method

Measurements of emissions from the EUT were obtained with the Measurement Antenna in both Horizontal and Vertical Polarisations. The profiling produced a list of the worst-case emissions together with the EUT azimuth and antenna polarisation.

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

Ports on the EUT were terminated with loads as described in ANSI C63.4 clause 6.2.4 for each type of port on the EUT.

For frequencies > 1 GHz, plots for average measurements were taken in accordance with ANSI C63.10, clause 4.1.4.2.5 to characterize the EUT. Where emissions were detected, final average measurements were taken in accordance with ANSI C63.10, clause 4.1.4.2.2, 11.11, 11.12, 12.7.2 or 12.7.3 depending on the nature of the emission measured.

The plots shown are the characterisation of the EUT. The limits on the plots represent the most stringent case for restricted bands, (74/54 dBμV/m) when compared to non-restricted band limits. 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:  
 $10^{(\text{Field Strength in dB}\mu\text{V/m}/20)}$

To determine the emission characteristic of the EUT above 18 GHz, the test antenna was swept over all faces of the EUT whilst observing a spectral display. The frequency of any emissions of interest was noted for formal measurement at the correct measurement distance of 1m. This procedure was repeated for all relevant transmit operating channels.

At a measurement distance of 1 meter the limit line was increased by  $20 \cdot \text{LOG}(3/1) = 9.54$  dB.

### 2.1.5 Example Test Setup Diagram

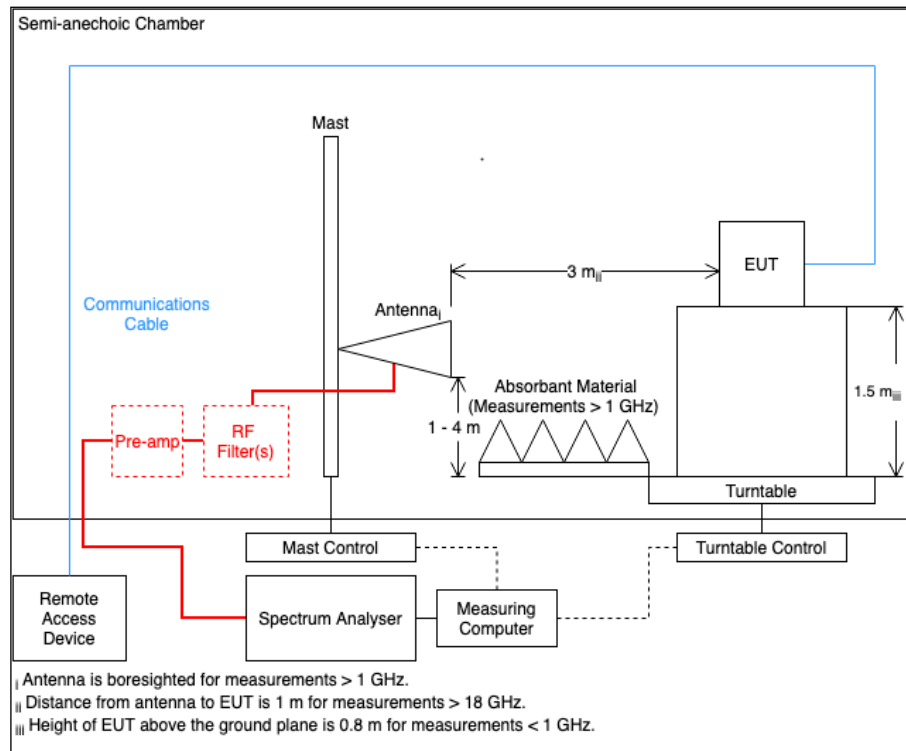


Figure 1

### 2.1.6 Environmental Conditions

|                     |                |
|---------------------|----------------|
| Ambient Temperature | 19.7 - 22.4 °C |
| Relative Humidity   | 31.9 - 45.1 %  |

## 2.1.7 Test Results

### 5 GHz WLAN and 2.4 GHz Bluetooth

| Frequency (MHz) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector  | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------|----------------|-------------|-----------|-----------|-------------|--------------|
| 38.042          | 19.95          | 40.00          | -20.05      | Q-Peak    | 88        | 390         | Horizontal   |
| 73.482          | 17.74          | 40.00          | -22.26      | Q-Peak    | 110       | 236         | Vertical     |
| 73.743          | 18.07          | 40.00          | -21.93      | Q-Peak    | 151       | 101         | Horizontal   |
| 134.635         | 20.66          | 43.50          | -22.84      | Q-Peak    | 189       | 109         | Vertical     |
| 2386.163        | 33.74          | 54.00          | -20.26      | CISPR Avg | 355       | 368         | Vertical     |
| 2388.054        | 29.51          | 54.00          | -24.49      | CISPR Avg | 69        | 385         | Horizontal   |
| 2486.946        | 33.88          | 54.00          | -20.12      | CISPR Avg | 0         | 346         | Vertical     |
| 5385.379        | 55.95          | 74.00          | -18.05      | Peak      | 5         | 340         | Vertical     |
| 5428.270        | 42.88          | 54.00          | -11.12      | CISPR Avg | 360       | 365         | Vertical     |
| 7322.535        | 41.28          | 54.00          | -12.72      | CISPR Avg | 34        | 245         | Vertical     |
| 11277.300       | 28.71          | 54.00          | -25.29      | RMS       | 40        | 272         | Vertical     |

**Table 6 - U-NII-2C - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2441 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 40 GHz**

No other emissions found within 20 dB of the limit.

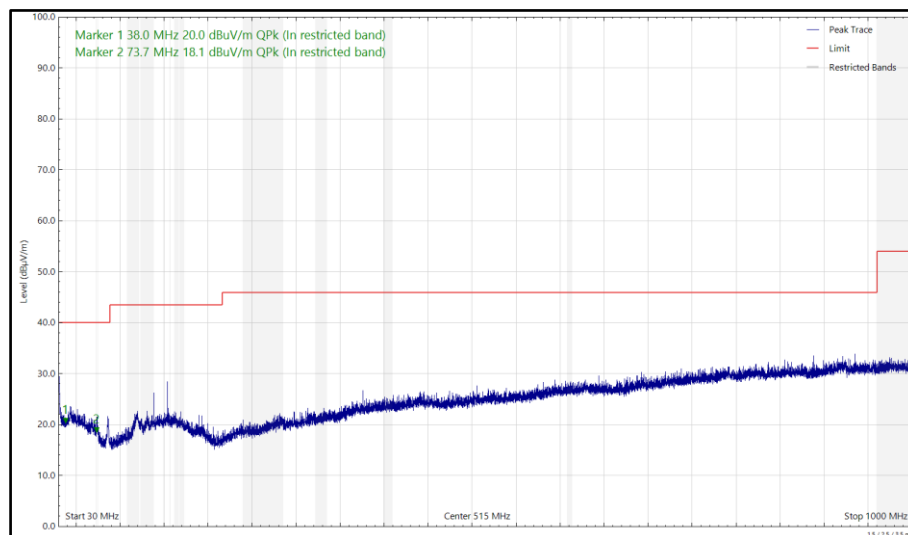


**Figure 2 - U-NII-2C - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2441 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)**

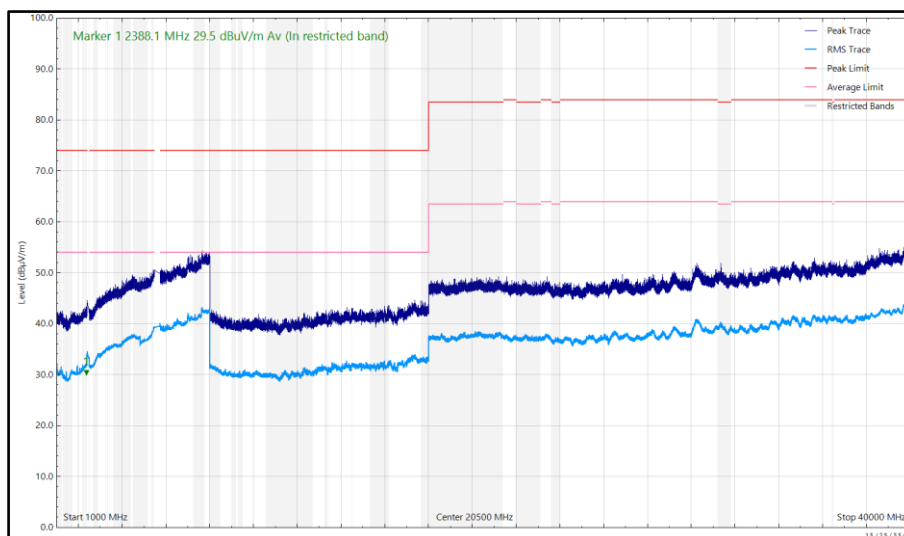


**Figure 3 - U-NII-2C - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2441 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal**

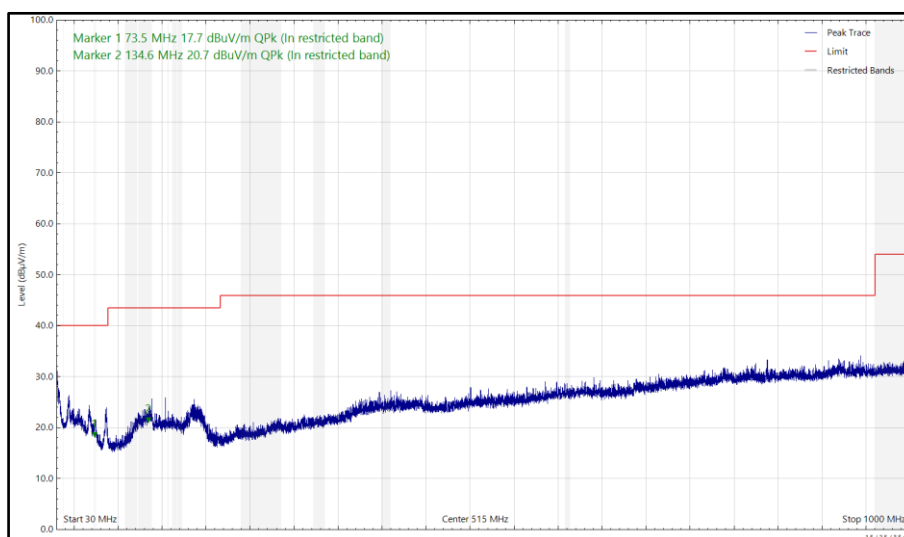


**Figure 4 - U-NII-2C - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2441 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)**

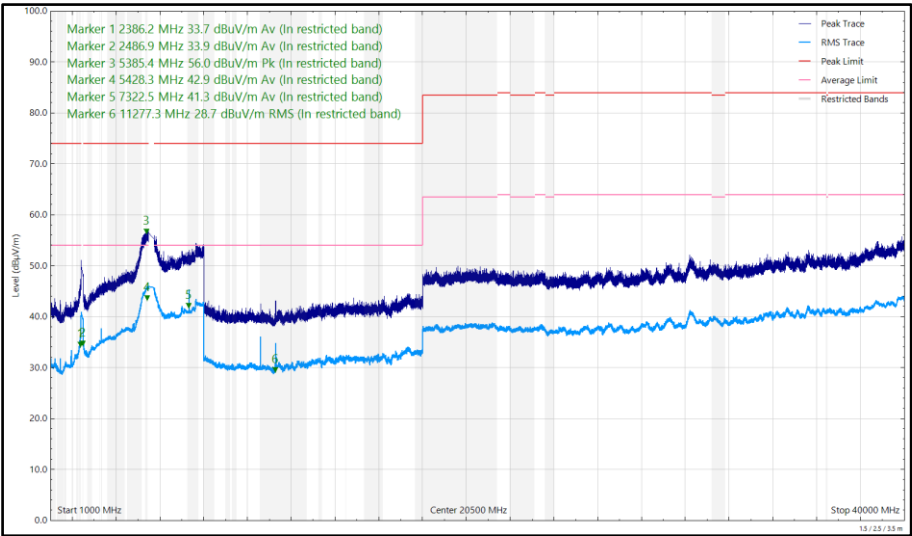


**Figure 5 - U-NII-2C - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2441 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical**

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

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

The least stringent applicable limit was:

| Clause                                                                         | Limit                                                                     |
|--------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| Part 15 247 (d) / RSS-247<br>Clause 6.6                                        | -20 dBc                                                                   |
| Part 15.407 (b) / RSS-247<br>Clause 6.6, 7.3.1.3, 7.3.2.3,<br>7.3.3.3, 7.3.4.4 | -27 dBm e.i.r.p                                                           |
| Part 15.209 / RSS-GEN<br>Clause 8.9                                            | Peak: 74 dBμV/m at 3m, Average 54 dBμV/m at 3m (Restricted bands > 1 GHz) |

**Table 7**

## 6 GHz WLAN and 2.4 GHz Bluetooth

| Frequency (MHz) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector  | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------|----------------|-------------|-----------|-----------|-------------|--------------|
| 38.082          | 19.85          | 40.00          | -20.15      | Q-Peak    | 290       | 235         | Horizontal   |
| 73.314          | 18.09          | 40.00          | -21.91      | Q-Peak    | 308       | 145         | Vertical     |
| 73.489          | 17.55          | 40.00          | -22.45      | Q-Peak    | 215       | 393         | Horizontal   |
| 133.339         | 19.95          | 43.50          | -23.55      | Q-Peak    | 240       | 169         | Vertical     |
| 2388.027        | 29.12          | 54.00          | -24.88      | CISPR Avg | 56        | 378         | Horizontal   |
| 2389.674        | 51.39          | 74.00          | -22.61      | Peak      | 353       | 293         | Vertical     |
| 2389.674        | 35.60          | 54.00          | -18.40      | CISPR Avg | 353       | 293         | Vertical     |
| 2484.236        | 33.45          | 54.00          | -20.55      | CISPR Avg | 350       | 363         | Vertical     |
| 5457.086        | 38.09          | 54.00          | -15.91      | CISPR Avg | 4         | 362         | Vertical     |
| 7322.587        | 37.96          | 54.00          | -16.04      | CISPR Avg | 282       | 392         | Horizontal   |
| 7324.933        | 37.23          | 54.00          | -16.77      | CISPR Avg | 32        | 286         | Vertical     |

**Table 8 - U-NII-8 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2441 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 40 GHz**

No other emissions found within 20 dB of the limit.

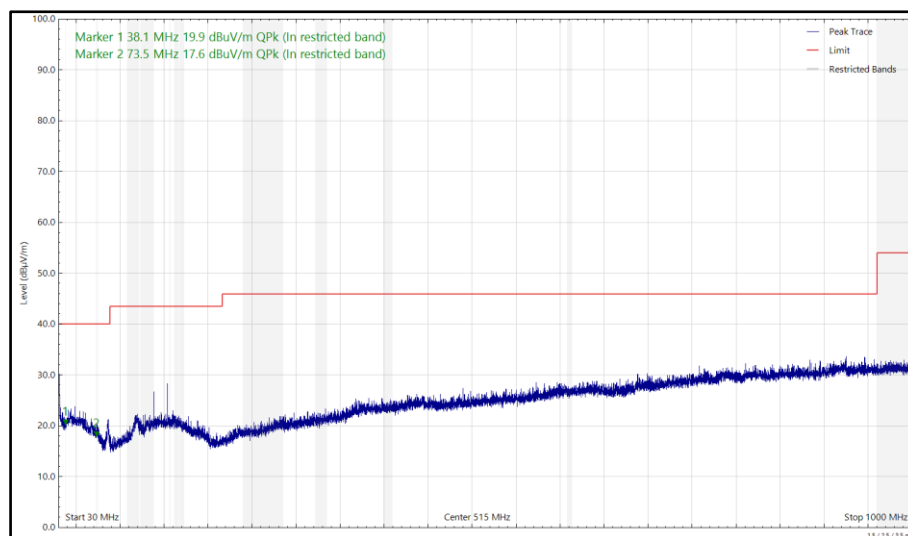


**Figure 6 - U-NII-8 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2441 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)**

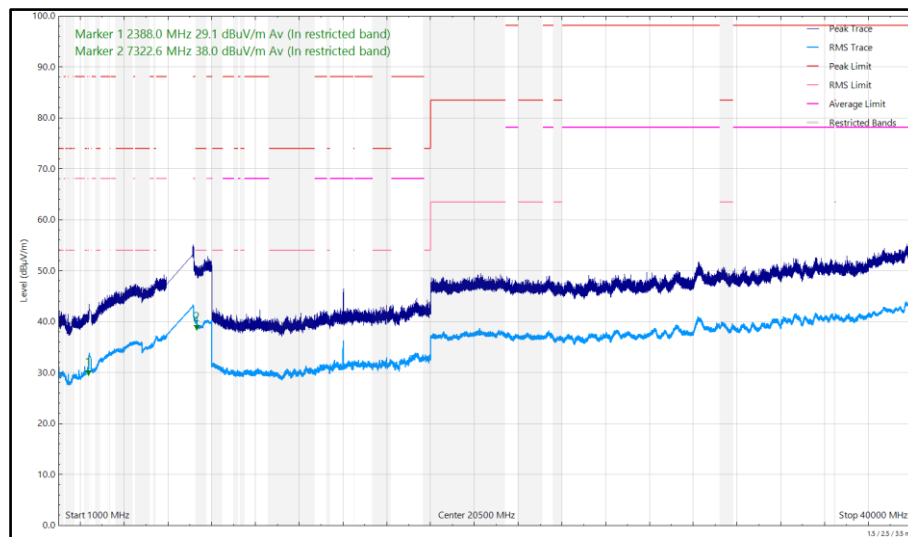


**Figure 7 - U-NII-8 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2441 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal**

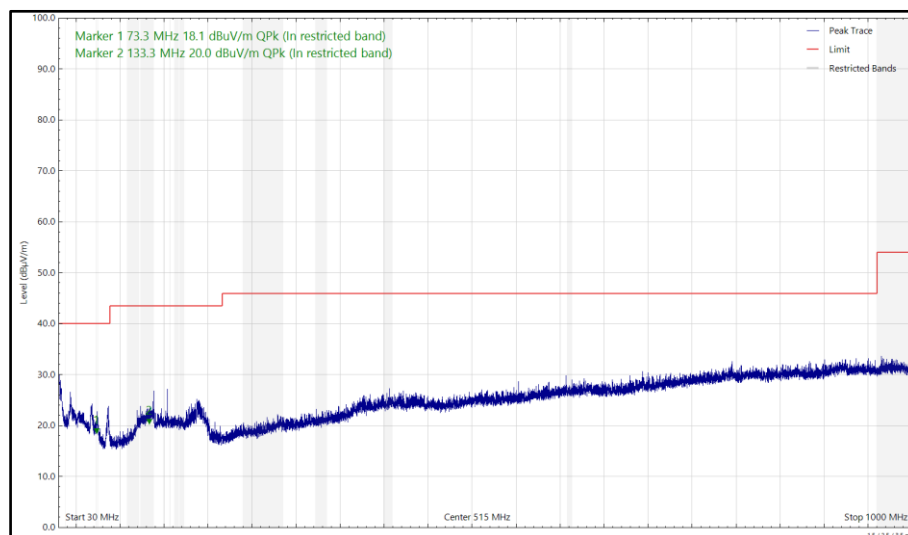


**Figure 8 - U-NII-8 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2441 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)**

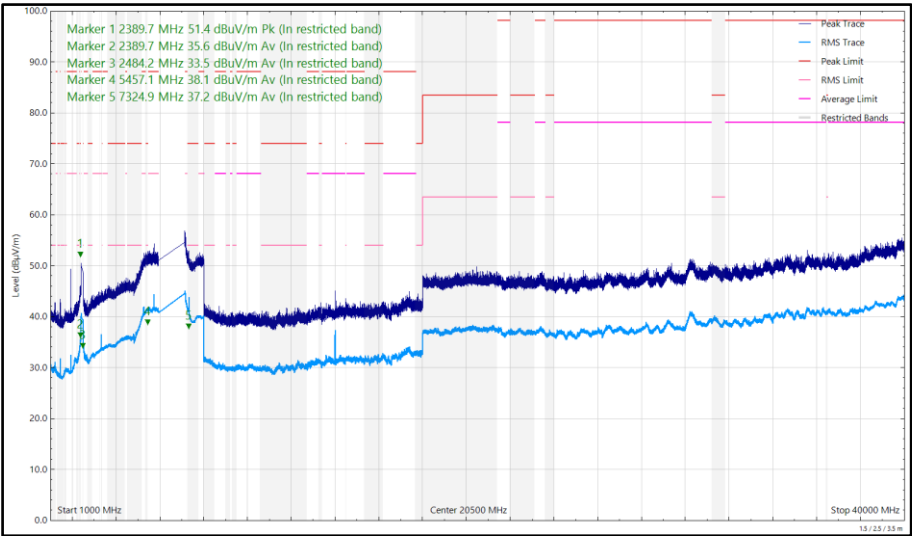


**Figure 9 - U-NII-8 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2441 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical**

FCC 47 CFR Part 15, ISED RSS-247, ISED RSS-248 and ISED RSS-GEN

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

The least stringent applicable limit was:

| Clause                                    | Limit                                                                     |
|-------------------------------------------|---------------------------------------------------------------------------|
| Part 15 247 (d) / RSS-247<br>Clause 5.5   | -20 dBc                                                                   |
| Part 15.407 (b) / RSS-248<br>Clause 4.6.2 | Peak: -7 dBm/MHz e.i.r.p, Average: -27 dBm/MHz e.i.r.p.                   |
| Part 15.209 / RSS-GEN<br>Clause 8.9       | Peak: 74 dBuV/m at 3m, Average 54 dBuV/m at 3m (Restricted bands > 1 GHz) |

**Table 9**

### 5 GHz WLAN and Thread

| Frequency (MHz) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------|----------------|-------------|----------|-----------|-------------|--------------|
| 38.114          | 19.97          | 40.00          | -20.03      | Q-Peak   | 10        | 378         | Horizontal   |
| 73.274          | 17.39          | 40.00          | -22.61      | Q-Peak   | 109       | 368         | Vertical     |
| 162.275         | 20.47          | 43.50          | -23.03      | Q-Peak   | 142       | 104         | Vertical     |
| 2389.892        | 37.87          | 54.00          | -16.13      | RMS      | 6         | 336         | Vertical     |
| 2486.005        | 35.32          | 54.00          | -18.68      | RMS      | 0         | 365         | Vertical     |
| 5367.606        | 56.37          | 74.00          | -17.63      | Peak     | 360       | 375         | Vertical     |
| 5431.381        | 46.31          | 54.00          | -7.69       | RMS      | 0         | 293         | Vertical     |
| 5455.458        | 39.17          | 54.00          | -14.83      | RMS      | 89        | 370         | Horizontal   |
| 7318.591        | 47.59          | 54.00          | -6.41       | RMS      | 30        | 264         | Vertical     |

**Table 10 - U-NII-2C - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 0, 30 MHz to 40 GHz**

No other emissions found within 20 dB of the limit.

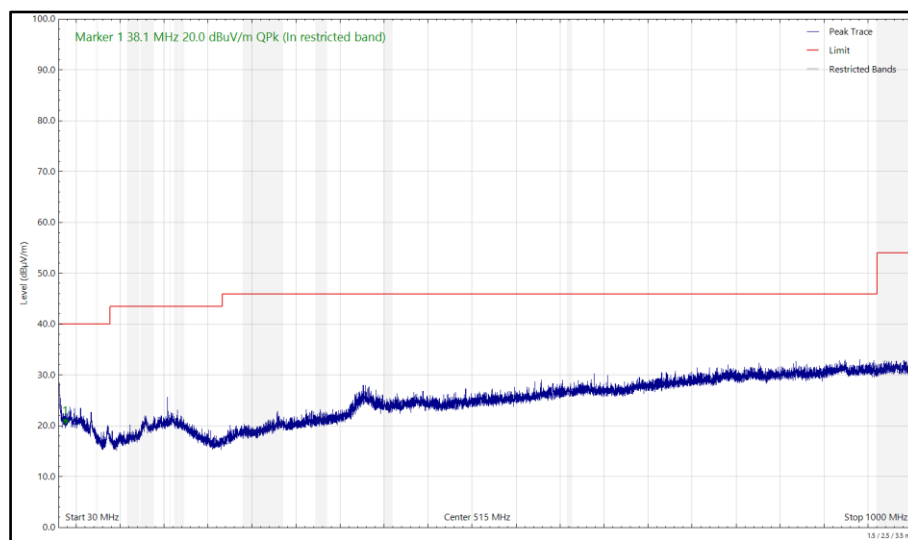


**Figure 10 - U-NII-2C - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 0, 30 MHz to 1 GHz, Horizontal (Peak)**

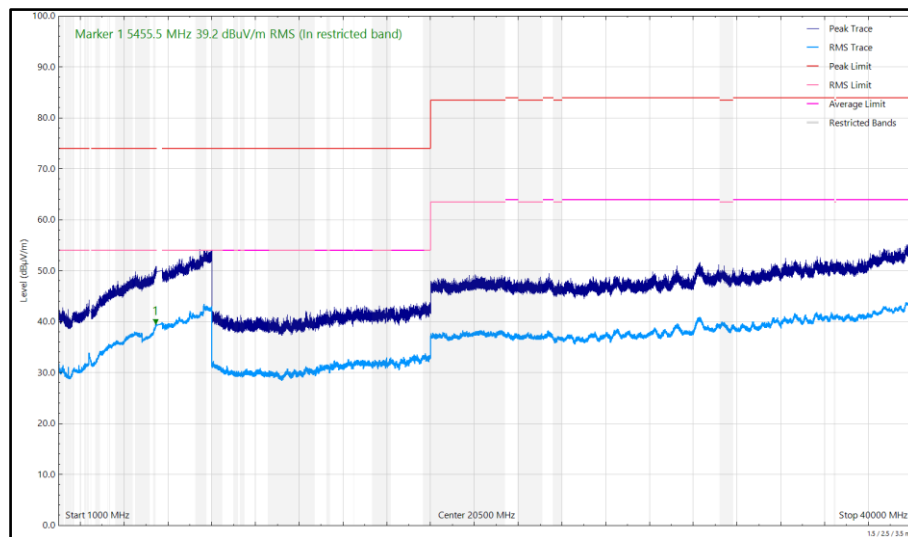


**Figure 11 - U-NII-2C - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 0, 1 GHz to 40 GHz, Horizontal**

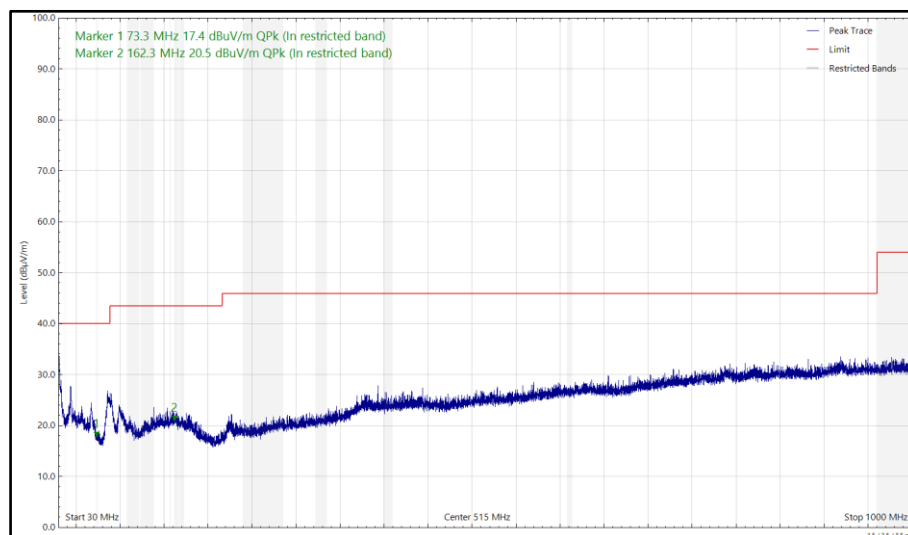


**Figure 12 - U-NII-2C - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 0, 30 MHz to 1 GHz, Vertical (Peak)**

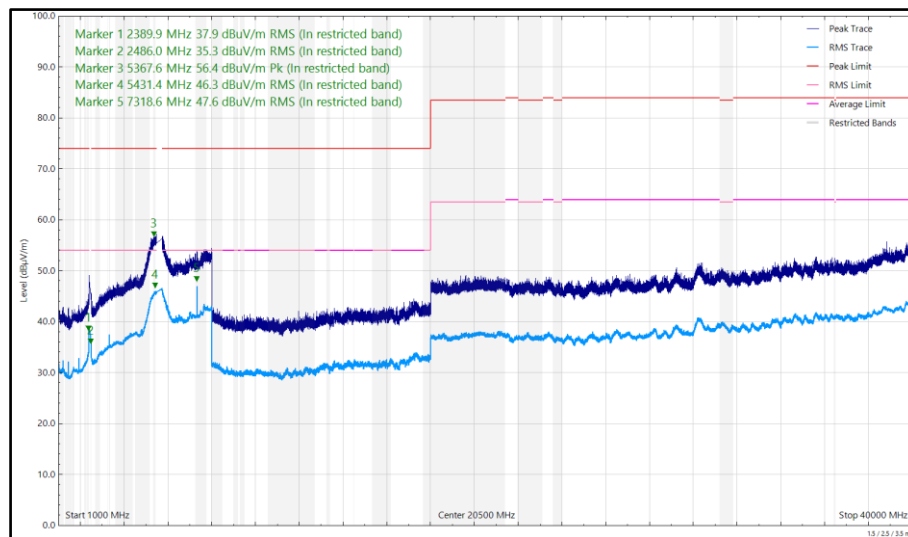


**Figure 13 - U-NII-2C - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 0, 1 GHz to 40 GHz, Vertical**

| Frequency (MHz) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------|----------------|-------------|----------|-----------|-------------|--------------|
| 37.830          | 20.05          | 40.00          | -19.95      | Q-Peak   | 111       | 399         | Horizontal   |
| 37.950          | 19.85          | 40.00          | -20.15      | Q-Peak   | 277       | 341         | Vertical     |
| 73.611          | 17.67          | 40.00          | -22.33      | Q-Peak   | 194       | 283         | Horizontal   |
| 74.190          | 18.17          | 40.00          | -21.83      | Q-Peak   | 360       | 127         | Vertical     |
| 2389.878        | 37.07          | 54.00          | -16.93      | RMS      | 2         | 310         | Vertical     |
| 2484.751        | 36.95          | 54.00          | -17.05      | RMS      | 0         | 319         | Vertical     |
| 5407.166        | 57.76          | 74.00          | -16.24      | Peak     | 360       | 274         | Vertical     |
| 5455.640        | 46.57          | 54.00          | -7.43       | RMS      | 360       | 285         | Vertical     |
| 5459.708        | 38.67          | 54.00          | -15.33      | RMS      | 116       | 290         | Horizontal   |
| 7321.295        | 46.91          | 54.00          | -7.09       | RMS      | 325       | 286         | Vertical     |

**Table 11 - U-NII-2C - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 1, 30 MHz to 40 GHz**

No other emissions found within 20 dB of the limit.

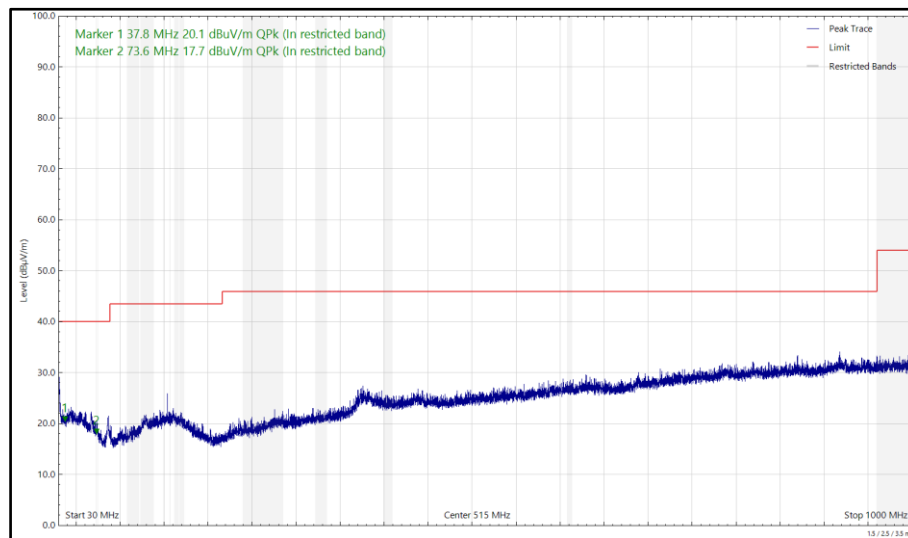


**Figure 14 - U-NII-2C - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 1, 30 MHz to 1 GHz, Horizontal (Peak)**

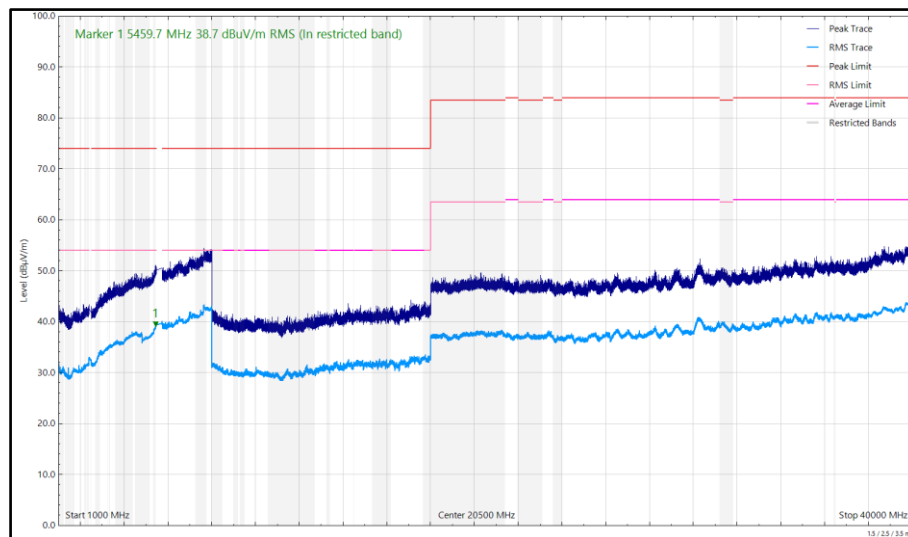


**Figure 15 - U-NII-2C - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 1, 1 GHz to 40 GHz, Horizontal**

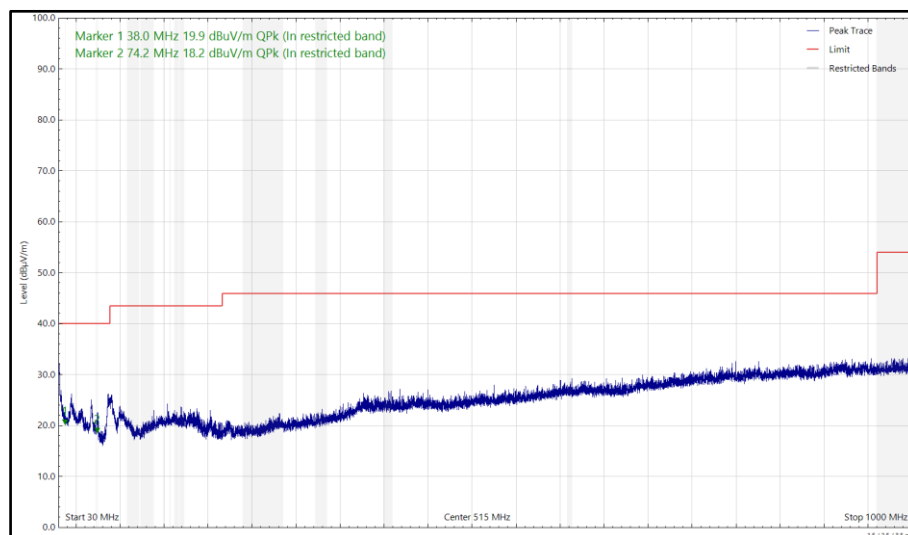


**Figure 16 - U-NII-2C - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 1, 30 MHz to 1 GHz, Vertical (Peak)**

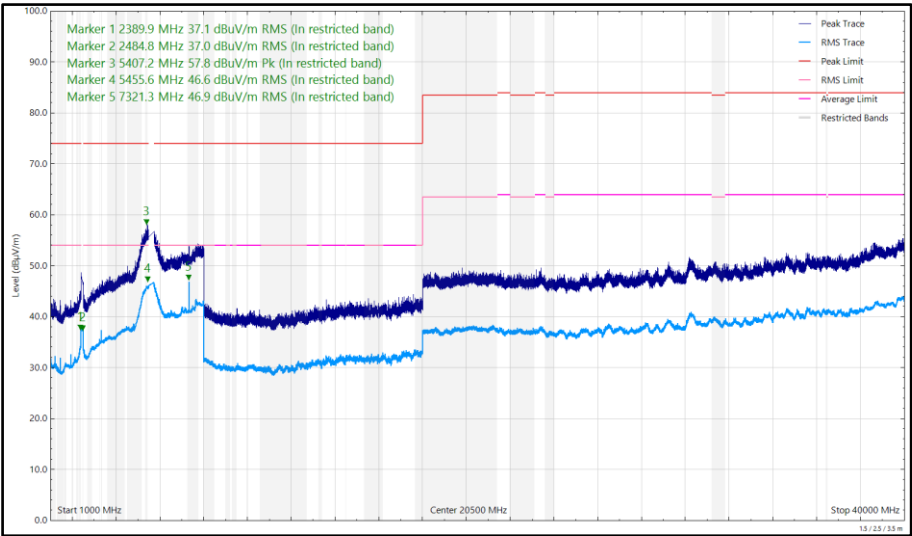


**Figure 17 - U-NII-2C - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 1, 1 GHz to 40 GHz, Vertical**

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

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

The least stringent applicable limit was:

| Clause                                                                         | Limit                                                                     |
|--------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| Part 15 247 (d) / RSS-247<br>Clause 6.6                                        | -30 dBc                                                                   |
| Part 15.407 (b) / RSS-247<br>Clause 6.6, 7.3.1.3, 7.3.2.3,<br>7.3.3.3, 7.3.4.4 | -27 dBm e.i.r.p                                                           |
| Part 15.209 / RSS-GEN<br>Clause 8.9                                            | Peak: 74 dBμV/m at 3m, Average 54 dBμV/m at 3m (Restricted bands > 1 GHz) |

**Table 12**

## 6 GHz WLAN and Thread

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Detector | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------------|----------------------|-------------|----------|-----------|-------------|--------------|
| 37.852          | 19.97                | 40.00                | -20.03      | Q-Peak   | 321       | 389         | Horizontal   |
| 37.928          | 19.97                | 40.00                | -20.03      | Q-Peak   | 1         | 395         | Vertical     |
| 2389.857        | 37.02                | 54.00                | -16.98      | RMS      | 10        | 273         | Vertical     |
| 2485.362        | 34.85                | 54.00                | -19.15      | RMS      | 0         | 365         | Vertical     |
| 5459.984        | 42.06                | 54.00                | -11.94      | RMS      | 12        | 268         | Vertical     |
| 7255.371        | 41.70                | 54.00                | -12.30      | RMS      | 343       | 261         | Vertical     |
| 7273.946        | 40.30                | 54.00                | -13.70      | RMS      | 286       | 390         | Horizontal   |

**Table 13 - U-NII-8 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 0, 30 MHz to 40 GHz**

No other emissions found within 20 dB of the limit.

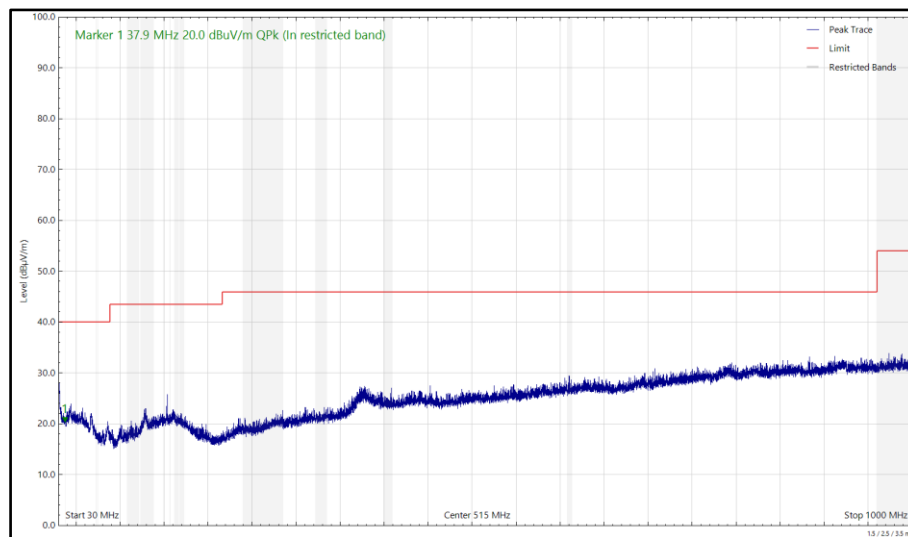


**Figure 18 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 0, 30 MHz to 1 GHz, Horizontal (Peak)**

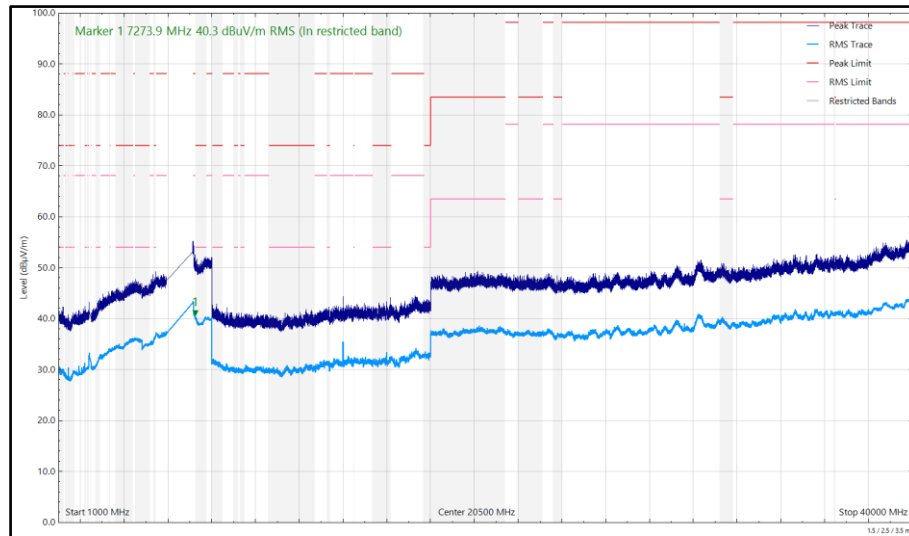


**Figure 19 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 0, 1 GHz to 40 GHz, Horizontal**

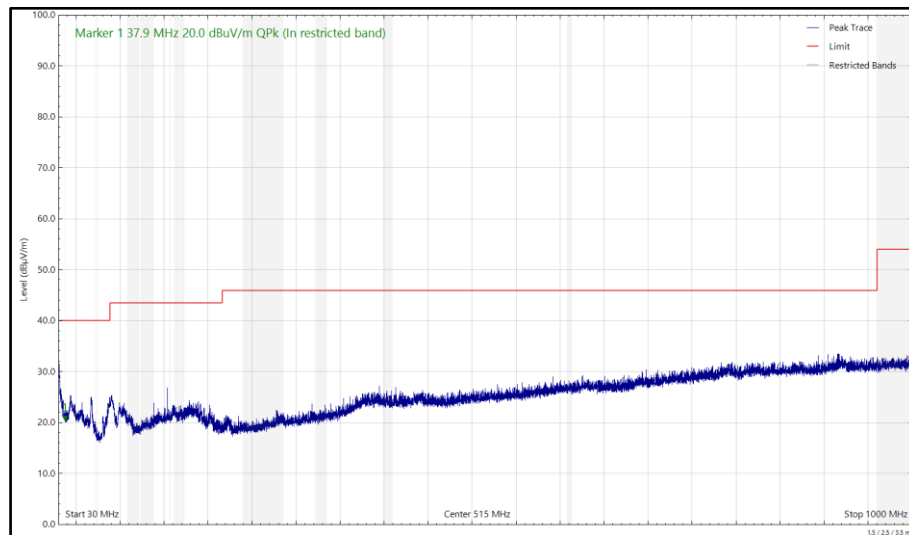


**Figure 20 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 0, 30 MHz to 1 GHz, Vertical (Peak)**

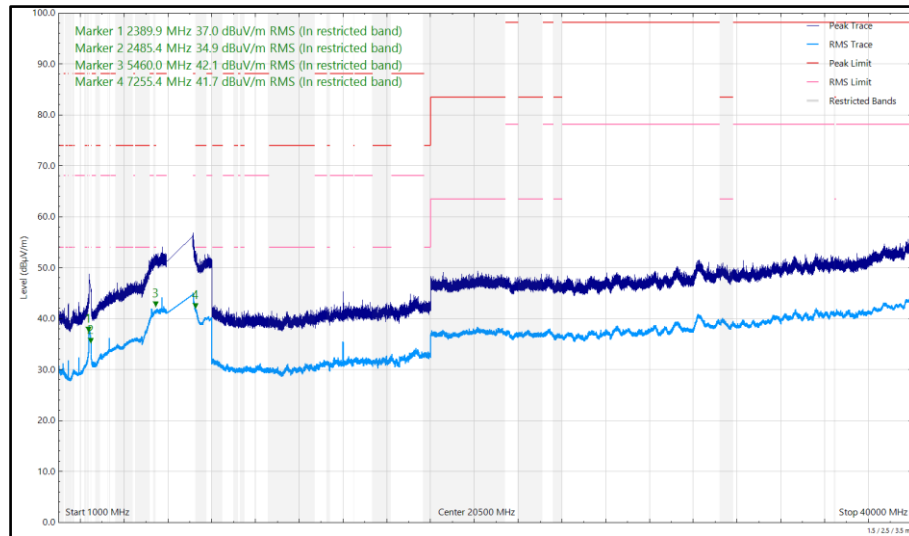


**Figure 21 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 0, 1 GHz to 40 GHz, Vertical**

| Frequency (MHz) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------|----------------|-------------|----------|-----------|-------------|--------------|
| 38.075          | 19.99          | 40.00          | -20.01      | Q-Peak   | 243       | 390         | Vertical     |
| 38.187          | 20.08          | 40.00          | -19.92      | Q-Peak   | 163       | 279         | Horizontal   |
| 2389.948        | 37.64          | 54.00          | -16.36      | RMS      | 358       | 345         | Vertical     |
| 2484.095        | 36.59          | 54.00          | -17.41      | RMS      | 360       | 321         | Vertical     |
| 5391.651        | 41.32          | 54.00          | -12.68      | RMS      | 352       | 278         | Vertical     |
| 7268.414        | 41.85          | 54.00          | -12.15      | RMS      | 334       | 248         | Vertical     |
| 7318.632        | 39.64          | 54.00          | -14.36      | RMS      | 140       | 252         | Horizontal   |

**Table 14 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 1, 30 MHz to 40 GHz**

No other emissions found within 20 dB of the limit.

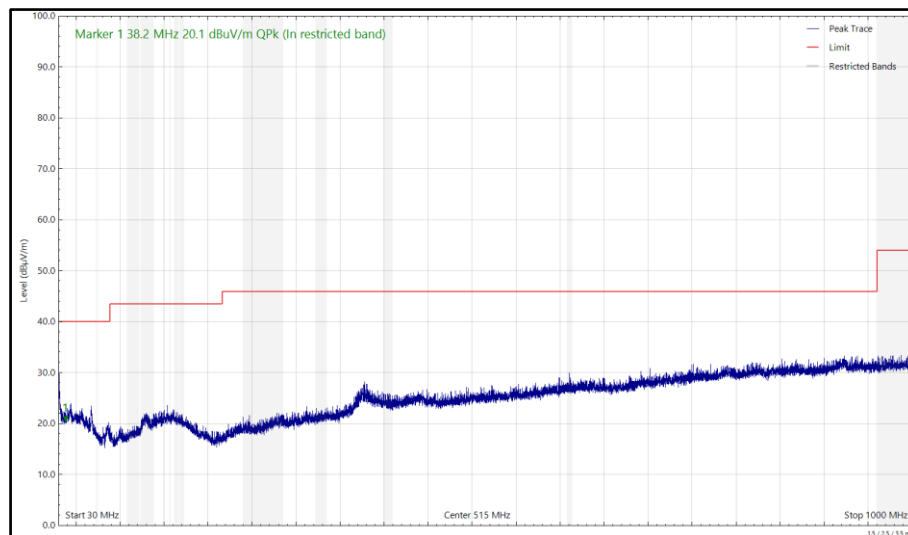


**Figure 22 - U-NII-8 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 1, 30 MHz to 1 GHz, Horizontal (Peak)**

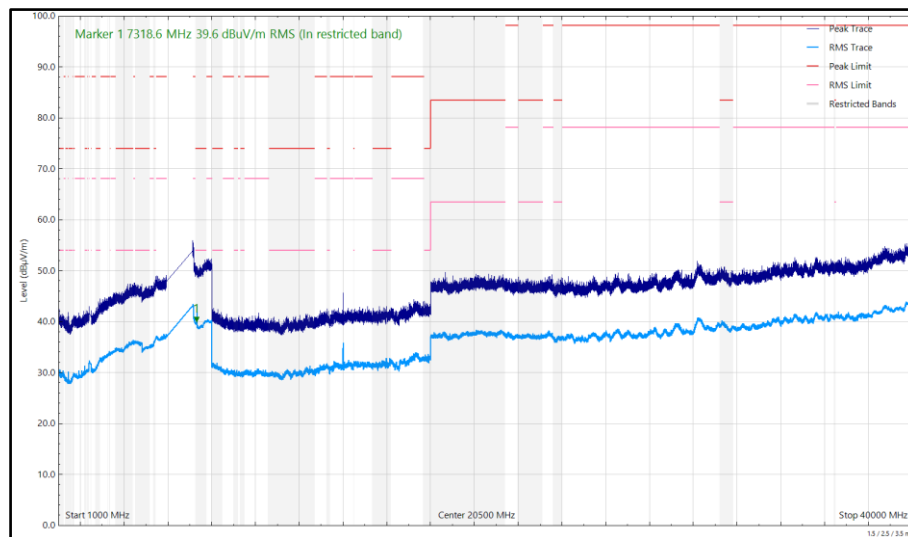


**Figure 23 - U-NII-8 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 1, 1 GHz to 40 GHz, Horizontal**

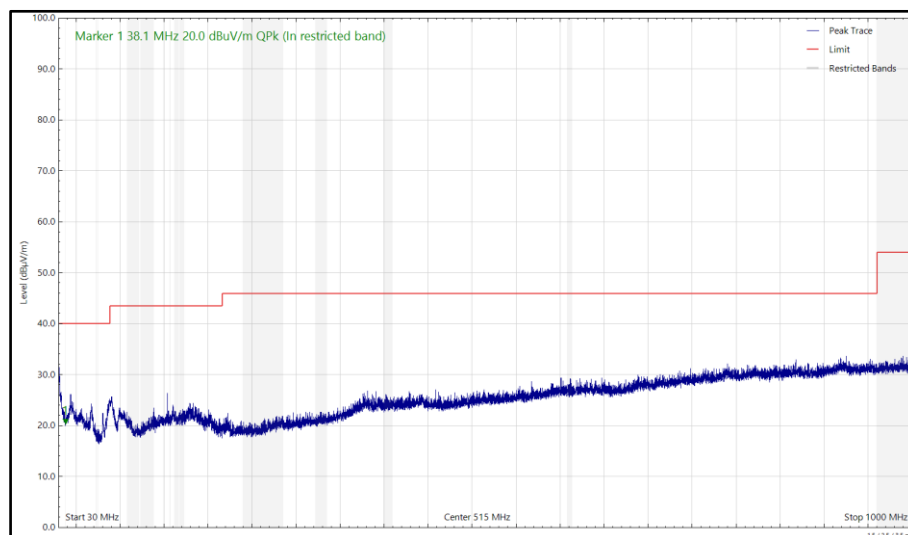


**Figure 24 - U-NII-8 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 1, 30 MHz to 1 GHz, Vertical (Peak)**

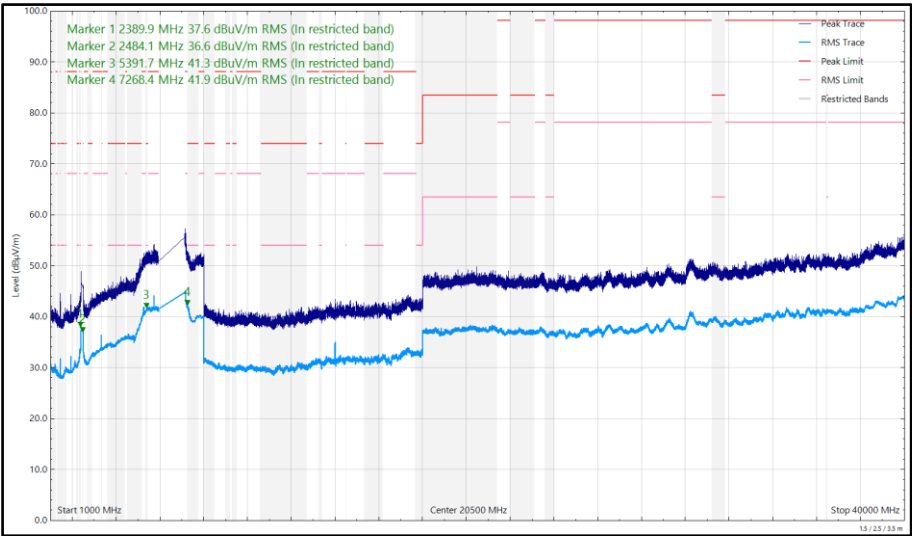


**Figure 25 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 1, 1 GHz to 40 GHz, Vertical**

FCC 47 CFR Part 15, ISED RSS-247, ISED RSS-248 and ISED RSS-GEN

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

The least stringent applicable limit was:

| Clause                                    | Limit                                                                     |
|-------------------------------------------|---------------------------------------------------------------------------|
| Part 15 247 (d) / RSS-247<br>Clause 6.6   | -30 dBc                                                                   |
| Part 15.407 (b) / RSS-248<br>Clause 4.6.2 | Peak: -7 dBm/MHz e.i.r.p, Average: -27 dBm/MHz e.i.r.p.                   |
| Part 15.209 / RSS-GEN<br>Clause 8.9       | Peak: 74 dBuV/m at 3m, Average 54 dBuV/m at 3m (Restricted bands > 1 GHz) |

**Table 15**

## 2.4 GHz WLAN and 2.4 GHz Bluetooth and 5 GHz Narrowband

| Frequency (MHz) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector  | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------|----------------|-------------|-----------|-----------|-------------|--------------|
| 38.119          | 20.07          | 40.00          | -19.93      | Q-Peak    | 350       | 368         | Vertical     |
| 38.204          | 20.05          | 40.00          | -19.95      | Q-Peak    | 265       | 380         | Horizontal   |
| 2388.642        | 36.82          | 54.00          | -17.18      | CISPR Avg | 53        | 383         | Horizontal   |
| 2389.549        | 44.88          | 54.00          | -9.12       | CISPR Avg | 6         | 344         | Vertical     |
| 2389.929        | 59.70          | 74.00          | -14.30      | Peak      | 0         | 346         | Vertical     |
| 2399.529        | 62.71          | 90.94          | -28.23      | Peak      | 53        | 381         | Horizontal   |
| 2399.689        | 69.89          | 90.94          | -21.05      | Peak      | 6         | 301         | Vertical     |
| 2484.539        | 34.74          | 54.00          | -19.26      | CISPR Avg | 50        | 387         | Horizontal   |
| 2484.944        | 42.74          | 54.00          | -11.26      | CISPR Avg | 360       | 306         | Vertical     |
| 2486.899        | 58.33          | 74.00          | -15.67      | Peak      | 352       | 311         | Vertical     |
| 5432.544        | 35.06          | 54.00          | -18.94      | CISPR Avg | 52        | 377         | Horizontal   |
| 5436.406        | 38.07          | 54.00          | -15.93      | CISPR Avg | 3         | 331         | Vertical     |
| 7306.210        | 42.47          | 54.00          | -11.53      | RMS       | 279       | 392         | Horizontal   |
| 7308.081        | 42.35          | 54.00          | -11.65      | RMS       | 3         | 283         | Vertical     |

**Table 16 - 2437 MHz (CH6), HT20, CDD, Core 0 + Core 1 and 2450 MHz, DH5, iPA, Core 2 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 40 GHz**

No other emissions found within 20 dB of the limit.

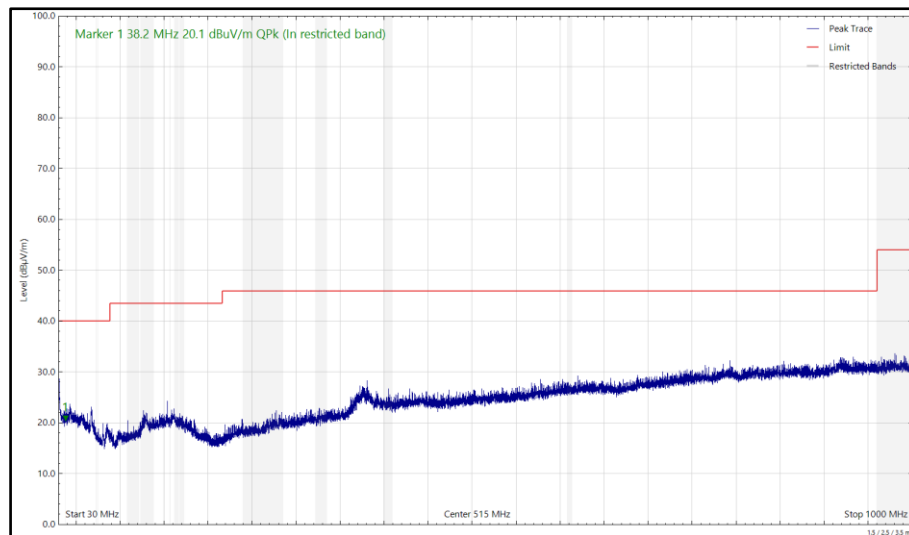


**Figure 26 - 2437 MHz (CH6), HT20, CDD, Core 0 + Core 1 and 2450 MHz, DH5, iPA, Core 2 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)**

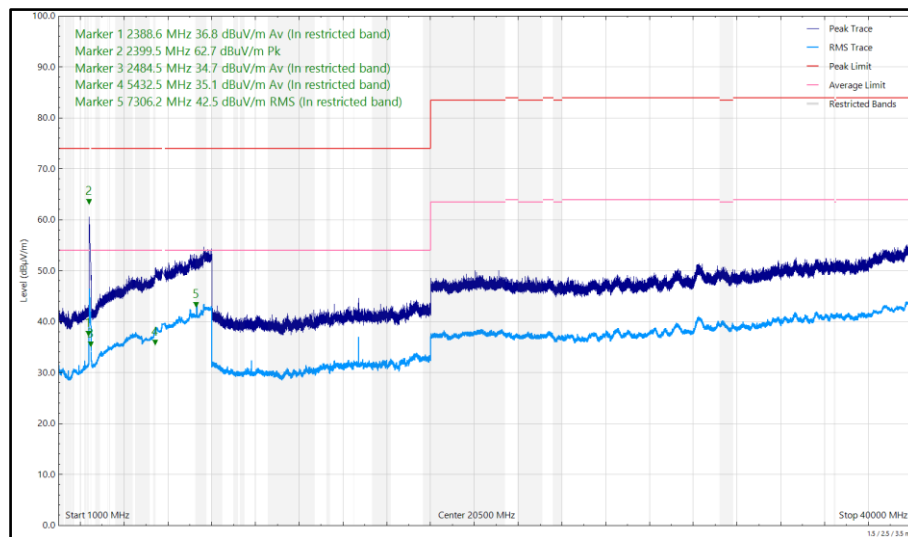


**Figure 27 - 2437 MHz (CH6), HT20, CDD, Core 0 + Core 1 and 2450 MHz, DH5, iPA, Core 2 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal**

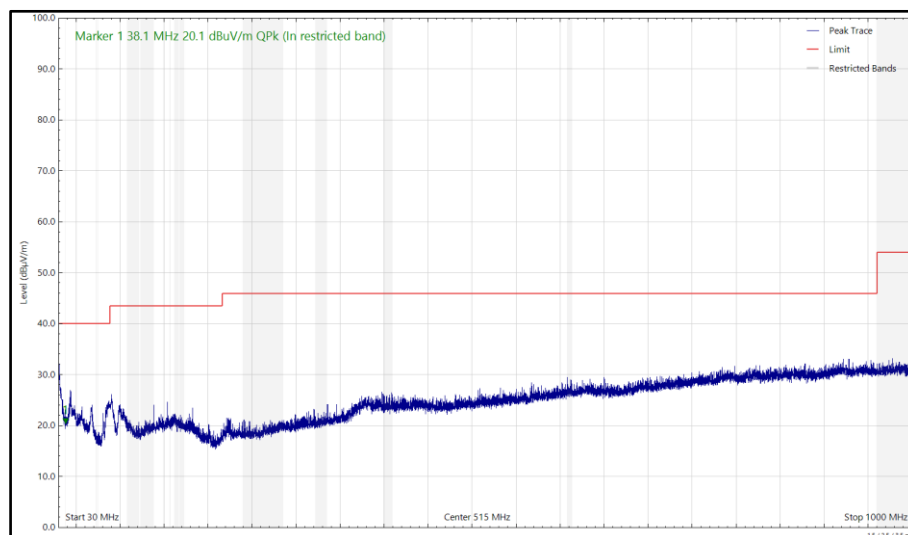


**Figure 28 - 2437 MHz (CH6), HT20, CDD, Core 0 + Core 1 and 2450 MHz, DH5, iPA, Core 2 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)**

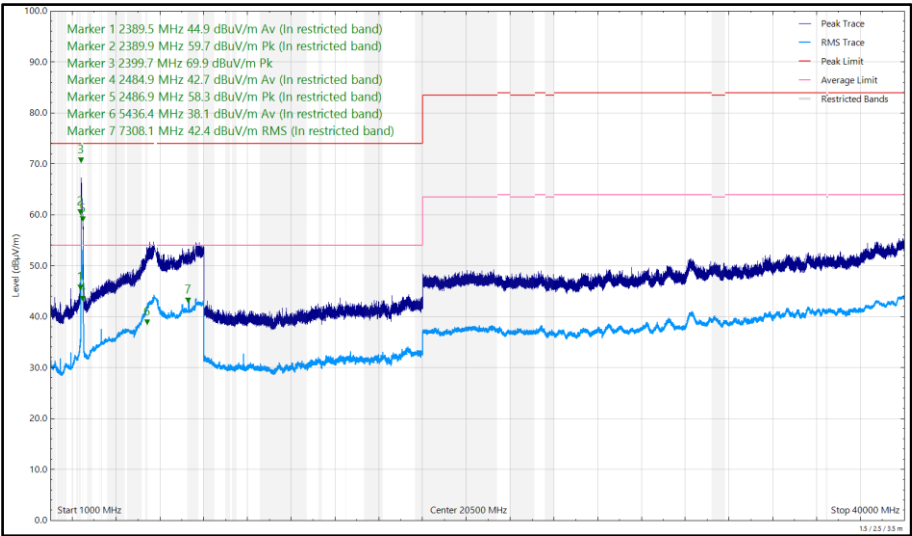


**Figure 29 - 2437 MHz (CH6), HT20, CDD, Core 0 + Core 1 and 2450 MHz, DH5, iPA, Core 2 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical**

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

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

The least stringent applicable limit was:

| Clause                                                                         | Limit                                                                     |
|--------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| Part 15 247 (d) / RSS-247<br>Clause 6.6                                        | -20 dBc                                                                   |
| Part 15.407 (b) / RSS-247<br>Clause 6.6, 7.3.1.3, 7.3.2.3,<br>7.3.3.3, 7.3.4.4 | -27 dBm e.i.r.p                                                           |
| Part 15.209 / RSS-GEN<br>Clause 8.9                                            | Peak: 74 dBuV/m at 3m, Average 54 dBuV/m at 3m (Restricted bands > 1 GHz) |

**Table 17**

## 2.4 GHz WLAN and Thread and 5 GHz Narrowband

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Detector | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------------|----------------------|-------------|----------|-----------|-------------|--------------|
| 37.750          | 20.05                | 40.00                | -19.95      | Q-Peak   | 211       | 330         | Horizontal   |
| 37.778          | 20.08                | 40.00                | -19.92      | Q-Peak   | 28        | 124         | Vertical     |
| 2389.884        | 36.19                | 54.00                | -17.81      | RMS      | 357       | 314         | Vertical     |
| 2483.737        | 34.70                | 54.00                | -19.30      | RMS      | 360       | 376         | Vertical     |
| 5147.891        | 38.05                | 54.00                | -15.95      | RMS      | 1         | 276         | Vertical     |
| 5434.585        | 36.82                | 54.00                | -17.18      | RMS      | 181       | 234         | Horizontal   |
| 5455.446        | 41.11                | 54.00                | -12.89      | RMS      | 7         | 254         | Vertical     |
| 5711.239        | 54.64                | 74.00                | -19.36      | Peak     | 7         | 265         | Vertical     |

**Table 18 - 2437 MHz (CH6), HT20, CDD, Core 0 + Core 1 and 2450 MHz (CH20), Thread, iPA, Core 2 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 40 GHz**

No other emissions found within 20 dB of the limit.

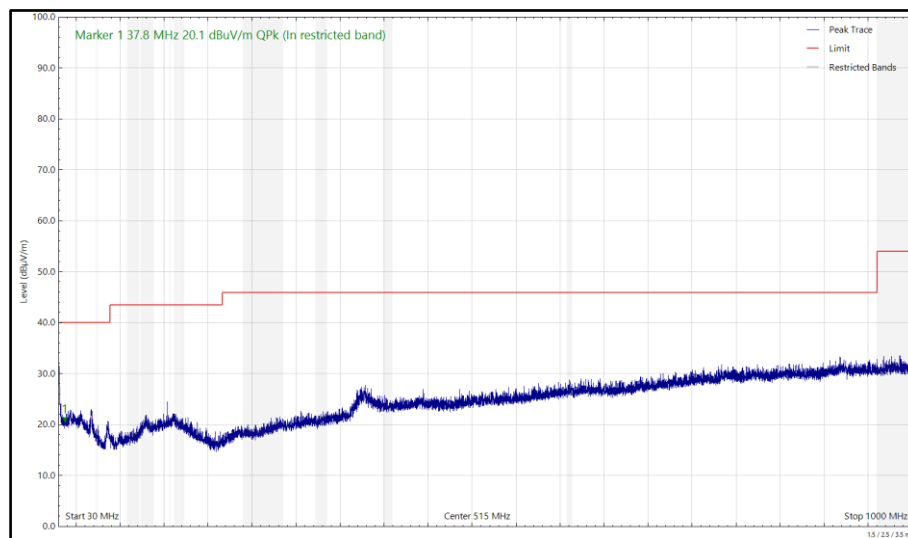


**Figure 30 - 2437 MHz (CH6), HT20, CDD, Core 0 + Core 1 and 2450 MHz (CH20), Thread, iPA, Core 2 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)**

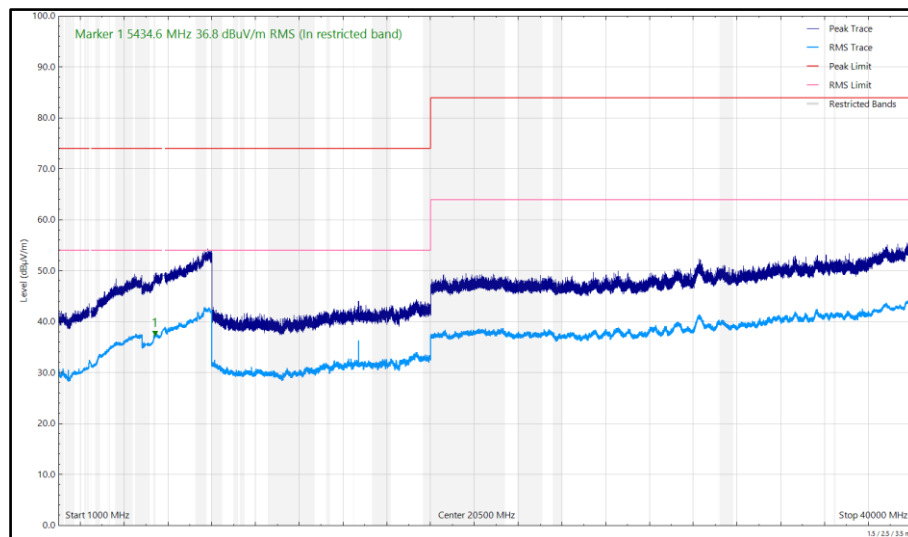


**Figure 31 - 2437 MHz (CH6), HT20, CDD, Core 0 + Core 1 and 2450 MHz (CH20), Thread, iPA, Core 2 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal**

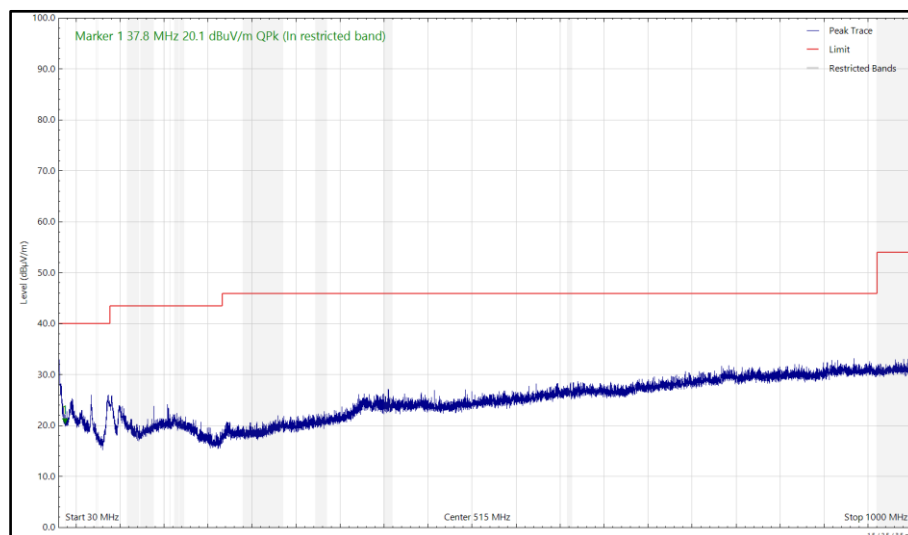


**Figure 32 - 2437 MHz (CH6), HT20, CDD, Core 0 + Core 1 and 2450 MHz (CH20), Thread, iPA, Core 2 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)**

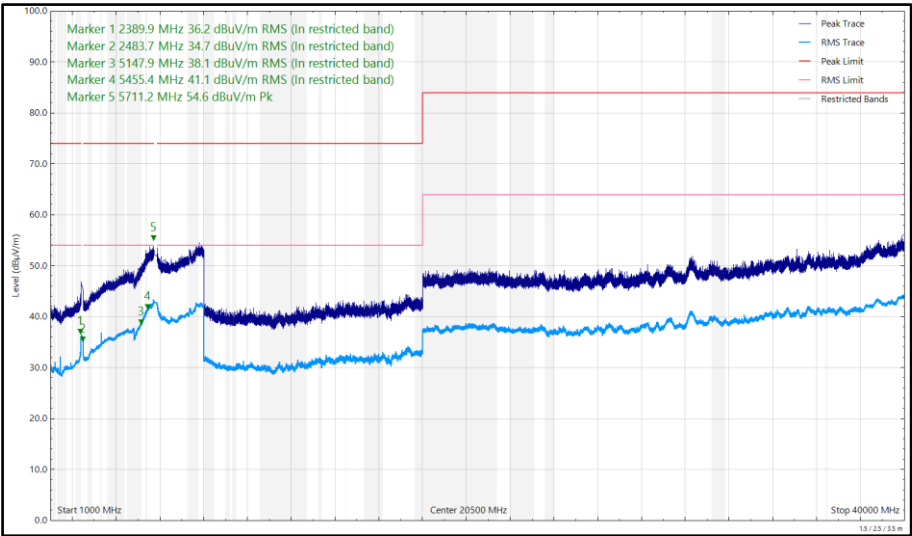


**Figure 33 - 2437 MHz (CH6), HT20, CDD, Core 0 + Core 1 and 2450 MHz (CH20), Thread, iPA, Core 2 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical**

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

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

The least stringent applicable limit was:

| Clause                                                                         | Limit                                                                     |
|--------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| Part 15 247 (d) / RSS-247<br>Clause 6.6                                        | -20 dBc                                                                   |
| Part 15.407 (b) / RSS-247<br>Clause 6.6, 7.3.1.3, 7.3.2.3,<br>7.3.3.3, 7.3.4.4 | -27 dBm e.i.r.p                                                           |
| Part 15.209 / RSS-GEN<br>Clause 8.9                                            | Peak: 74 dBμV/m at 3m, Average 54 dBμV/m at 3m (Restricted bands > 1 GHz) |

**Table 19**

## 2.4 GHz WLAN and 2.4 GHz Bluetooth and 5 GHz WLAN

| Frequency (MHz) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector  | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------|----------------|-------------|-----------|-----------|-------------|--------------|
| 2384.773        | 58.61          | 74.00          | -15.39      | Peak      | 0         | 394         | Vertical     |
| 2389.412        | 37.61          | 54.00          | -16.39      | CISPR Avg | 54        | 389         | Horizontal   |
| 2389.731        | 44.72          | 54.00          | -9.28       | CISPR Avg | 10        | 301         | Vertical     |
| 2399.569        | 62.56          | 74.00          | -11.44      | Peak      | 50        | 400         | Horizontal   |
| 2399.654        | 70.37          | 90.94          | -20.57      | Peak      | 4         | 340         | Vertical     |
| 2484.529        | 35.38          | 54.00          | -18.62      | CISPR Avg | 55        | 360         | Horizontal   |
| 2484.893        | 42.36          | 54.00          | -11.64      | CISPR Avg | 8         | 394         | Vertical     |
| 2486.787        | 59.42          | 74.00          | -14.58      | Peak      | 352       | 318         | Vertical     |
| 5384.262        | 57.33          | 74.00          | -16.67      | Peak      | 0         | 342         | Vertical     |
| 5401.598        | 43.29          | 54.00          | -10.71      | CISPR Avg | 0         | 333         | Vertical     |
| 5455.616        | 35.38          | 54.00          | -18.62      | CISPR Avg | 143       | 227         | Horizontal   |
| 7294.386        | 53.68          | 74.00          | -20.32      | Peak      | 53        | 394         | Horizontal   |
| 7294.545        | 55.52          | 74.00          | -18.48      | Peak      | 328       | 268         | Vertical     |
| 7306.045        | 41.96          | 54.00          | -12.04      | RMS       | 53        | 394         | Horizontal   |
| 7307.159        | 43.89          | 54.00          | -10.11      | RMS       | 323       | 269         | Vertical     |

**Table 20 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2450 MHz, DH5, iPA, Core 2, 30 MHz to 40 GHz**

No other emissions found within 20 dB of the limit.

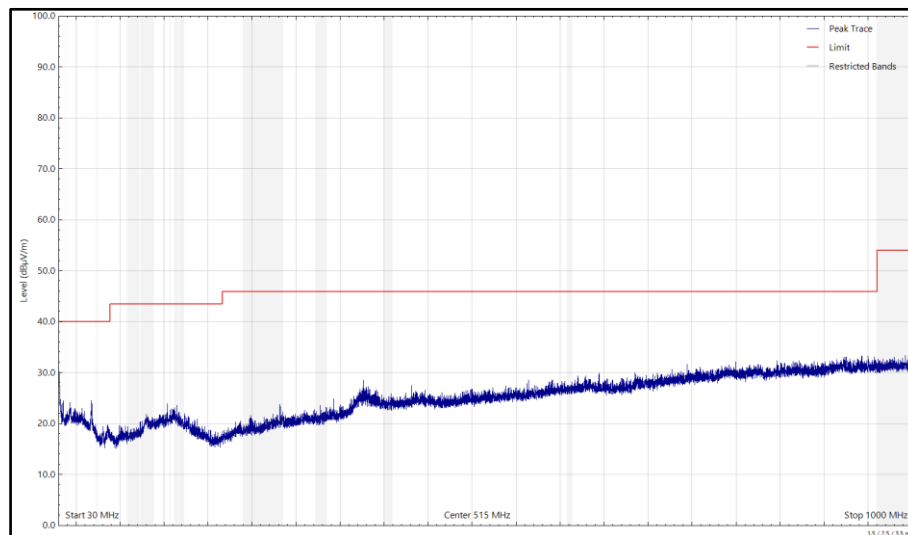


**Figure 34 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2450 MHz, DH5, iPA, Core 2, 30 MHz to 1 GHz, Horizontal (Peak)**

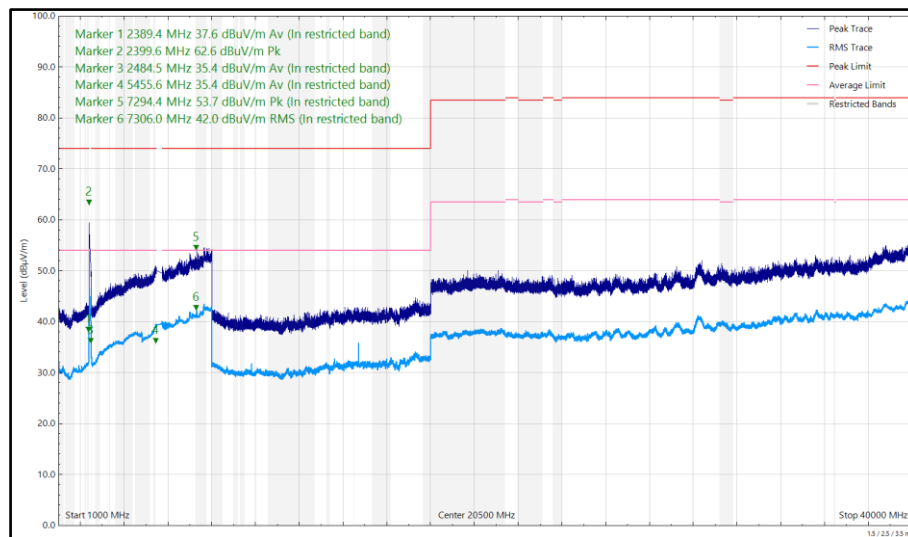


**Figure 35 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2450 MHz, DH5, iPA, Core 2, 1 GHz to 40 GHz, Horizontal**

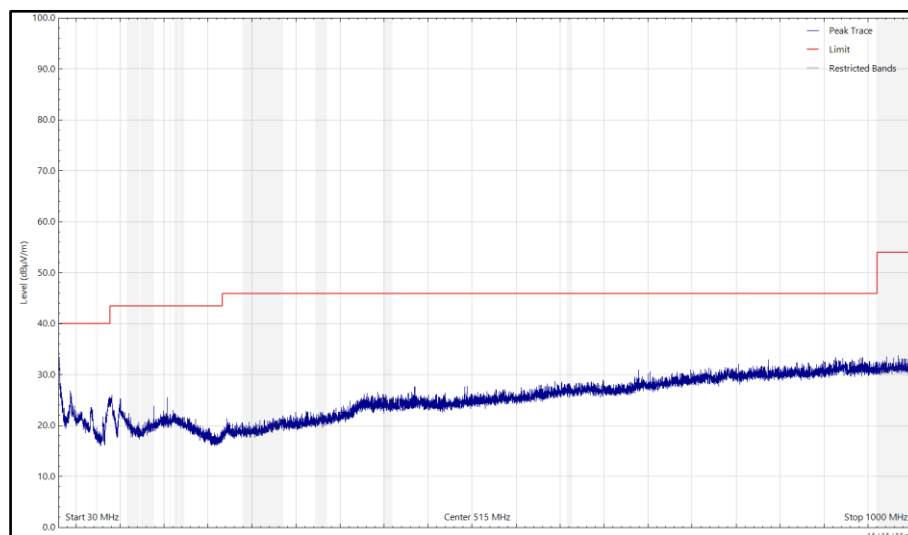


**Figure 36 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2450 MHz, DH5, iPA, Core 2, 30 MHz to 1 GHz, Vertical (Peak)**

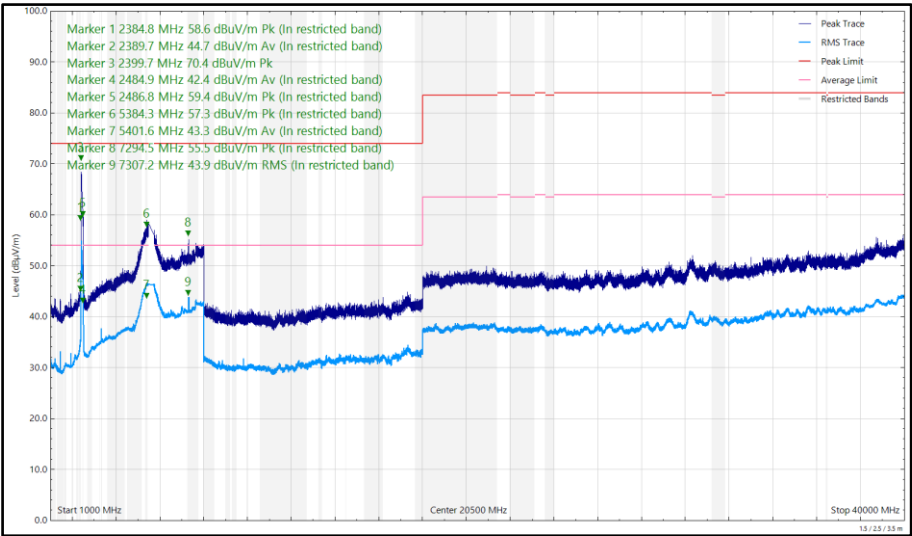


Figure 37 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and U-NII-2C - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2450 MHz, DH5, iPA, Core 2, 1 GHz to 40 GHz, Vertical

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

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

The least stringent applicable limit was:

| Clause                                                                         | Limit                                                                     |
|--------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| Part 15 247 (d) / RSS-247<br>Clause 6.6                                        | -20 dBc                                                                   |
| Part 15.407 (b) / RSS-247<br>Clause 6.6, 7.3.1.3, 7.3.2.3,<br>7.3.3.3, 7.3.4.4 | -27 dBm e.i.r.p                                                           |
| Part 15.209 / RSS-GEN<br>Clause 8.9                                            | Peak: 74 dBμV/m at 3m, Average 54 dBμV/m at 3m (Restricted bands > 1 GHz) |

Table 21

## 2.4 GHz WLAN and 2.4 GHz Bluetooth and 6 GHz WLAN

| Frequency (MHz) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector  | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------|----------------|-------------|-----------|-----------|-------------|--------------|
| 73.259          | 17.45          | 40.00          | -22.55      | Q-Peak    | 228       | 307         | Horizontal   |
| 74.079          | 17.52          | 40.00          | -22.48      | Q-Peak    | 342       | 122         | Vertical     |
| 134.156         | 19.21          | 43.50          | -24.29      | Q-Peak    | 195       | 165         | Horizontal   |
| 167.776         | 20.16          | 43.50          | -23.34      | Q-Peak    | 350       | 230         | Vertical     |
| 2386.233        | 41.96          | 54.00          | -12.04      | CISPR Avg | 353       | 390         | Vertical     |
| 2389.563        | 57.91          | 74.00          | -16.09      | Peak      | 356       | 385         | Vertical     |
| 2389.826        | 37.81          | 54.00          | -16.19      | CISPR Avg | 56        | 396         | Horizontal   |
| 2399.932        | 69.35          | 90.94          | -21.59      | Peak      | 360       | 299         | Vertical     |
| 2483.621        | 34.96          | 54.00          | -19.04      | CISPR Avg | 62        | 372         | Horizontal   |
| 2483.792        | 58.35          | 74.00          | -15.65      | Peak      | 339       | 387         | Vertical     |
| 2483.792        | 40.95          | 54.00          | -13.05      | CISPR Avg | 339       | 387         | Vertical     |
| 5388.269        | 38.30          | 54.00          | -15.70      | CISPR Avg | 359       | 333         | Vertical     |
| 5456.336        | 33.35          | 54.00          | -20.65      | CISPR Avg | 96        | 390         | Horizontal   |
| 7303.584        | 41.02          | 54.00          | -12.98      | RMS       | 282       | 364         | Horizontal   |
| 7306.181        | 43.61          | 54.00          | -10.39      | RMS       | 324       | 273         | Vertical     |

**Table 22 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2450 MHz, DH5, iPA, Core 2, 30 MHz to 40 GHz**

No other emissions found within 20 dB of the limit.

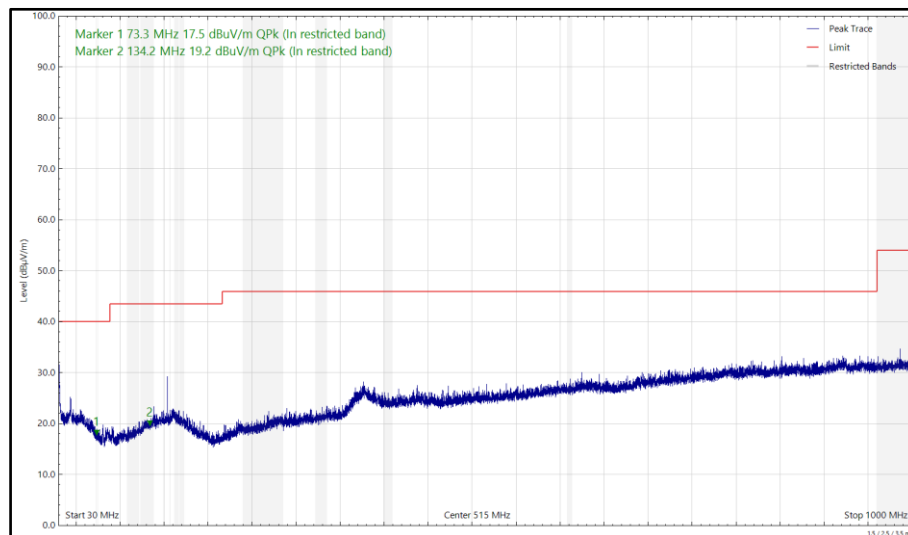


**Figure 38 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2450 MHz, DH5, iPA, Core 2, 30 MHz to 1 GHz, Horizontal (Peak)**

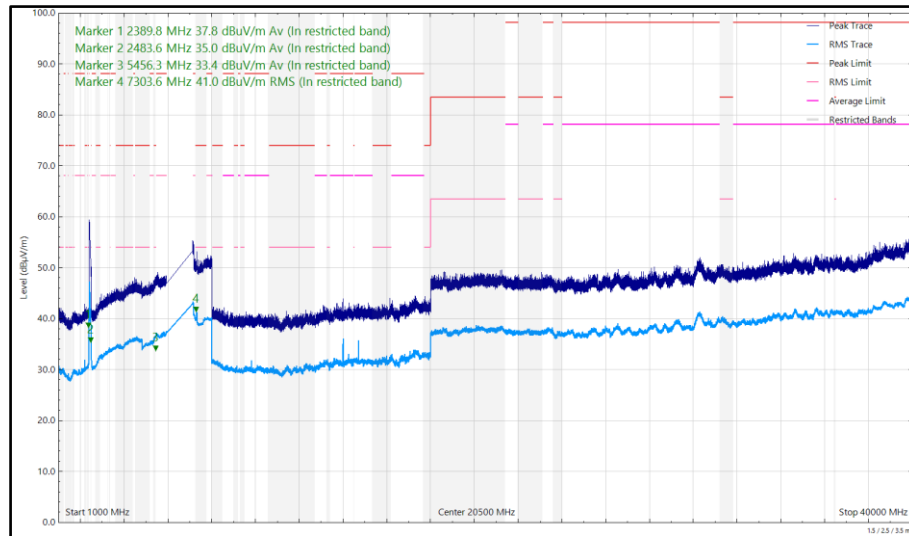


**Figure 39 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2450 MHz, DH5, iPA, Core 2, 1 GHz to 40 GHz, Horizontal**

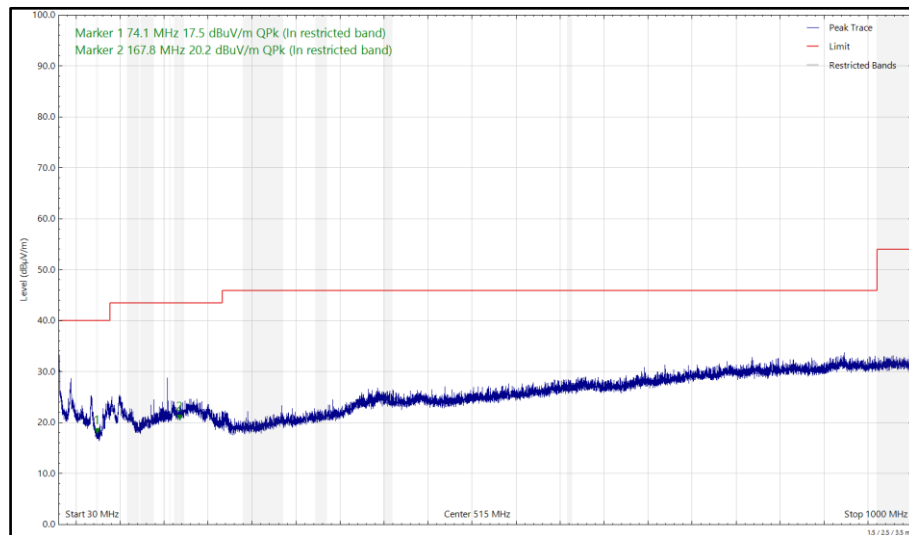


**Figure 40 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2450 MHz, DH5, iPA, Core 2, 30 MHz to 1 GHz, Vertical (Peak)**

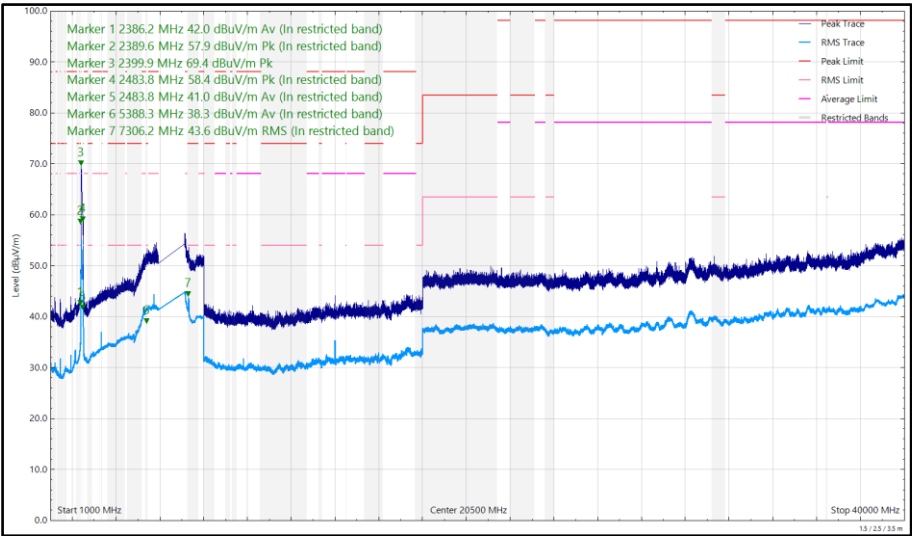


**Figure 41 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2450 MHz, DH5, iPA, Core 2, 1 GHz to 40 GHz, Vertical**

FCC 47 CFR Part 15, ISED RSS-247, ISED RSS-248 and ISED RSS-GEN

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

The least stringent applicable limit was:

| Clause                                    | Limit                                                                     |
|-------------------------------------------|---------------------------------------------------------------------------|
| Part 15 247 (d) / RSS-247<br>Clause 6.6   | -20 dBc                                                                   |
| Part 15.407 (b) / RSS-248<br>Clause 4.6.2 | Peak: -7 dBm/MHz e.i.r.p, Average: -27 dBm/MHz e.i.r.p.                   |
| Part 15.209 / RSS-GEN<br>Clause 8.9       | Peak: 74 dBuV/m at 3m, Average 54 dBuV/m at 3m (Restricted bands > 1 GHz) |

**Table 23**

## 2.4 GHz WLAN and Thread and 5 GHz WLAN

| Frequency (MHz) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------|----------------|-------------|----------|-----------|-------------|--------------|
| 73.491          | 19.06          | 40.00          | -20.94      | Q-Peak   | 145       | 100         | Vertical     |
| 73.715          | 17.50          | 40.00          | -22.50      | Q-Peak   | 348       | 390         | Horizontal   |
| 108.169         | 18.08          | 43.50          | -25.42      | Q-Peak   | 131       | 144         | Vertical     |
| 164.986         | 20.24          | 43.50          | -23.26      | Q-Peak   | 179       | 359         | Horizontal   |
| 171.871         | 19.79          | 43.50          | -23.71      | Q-Peak   | 307       | 279         | Vertical     |
| 2389.661        | 58.53          | 74.00          | -15.47      | Peak     | 8         | 314         | Vertical     |
| 2389.934        | 47.75          | 54.00          | -6.25       | RMS      | 5         | 347         | Vertical     |
| 2389.983        | 40.95          | 54.00          | -13.05      | RMS      | 52        | 397         | Horizontal   |
| 2399.773        | 70.18          | 81.95          | -11.77      | Peak     | 0         | 334         | Vertical     |
| 2399.807        | 63.48          | 81.95          | -18.47      | Peak     | 55        | 398         | Horizontal   |
| 2484.906        | 39.00          | 54.00          | -15.00      | RMS      | 56        | 398         | Horizontal   |
| 2485.266        | 57.58          | 74.00          | -16.42      | Peak     | 10        | 400         | Vertical     |
| 2485.868        | 46.05          | 54.00          | -7.95       | RMS      | 0         | 353         | Vertical     |
| 5363.063        | 56.82          | 74.00          | -17.18      | Peak     | 0         | 243         | Vertical     |
| 5429.285        | 46.04          | 54.00          | -7.96       | RMS      | 4         | 350         | Vertical     |
| 5459.114        | 38.83          | 54.00          | -15.17      | RMS      | 3         | 256         | Horizontal   |
| 7306.159        | 43.89          | 54.00          | -10.11      | RMS      | 327       | 269         | Vertical     |

**Table 24 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2450 MHz (CH20), Thread, iPA, Core 2, 30 MHz to 40 GHz**

No other emissions found within 20 dB of the limit.

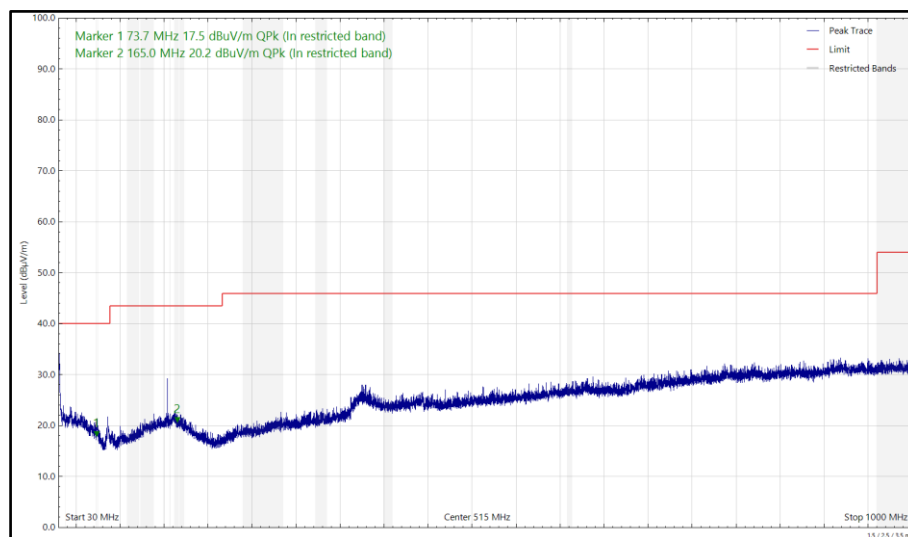


**Figure 42 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2450 MHz (CH20), Thread, iPA, Core 2, 30 MHz to 1 GHz, Horizontal (Peak)**

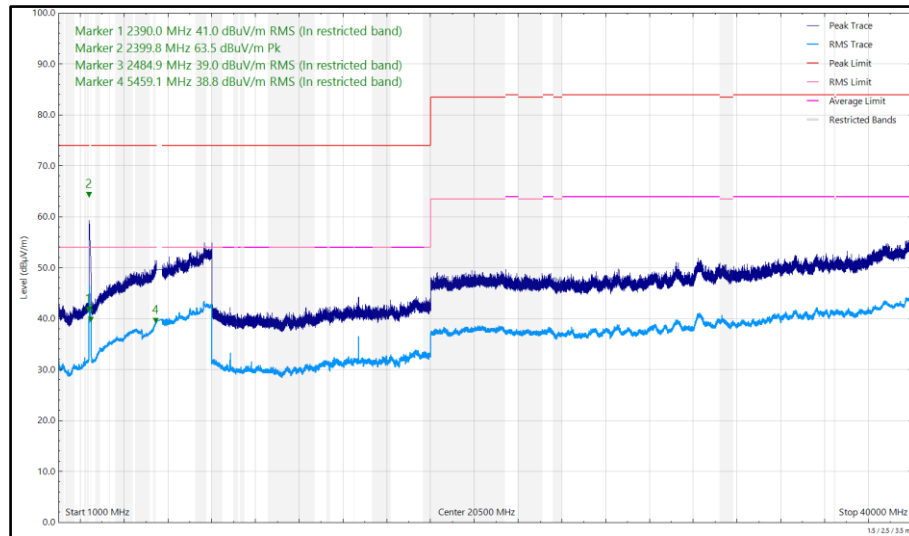


**Figure 43 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2450 MHz (CH20), Thread, iPA, Core 2, 1 GHz to 40 GHz, Horizontal**

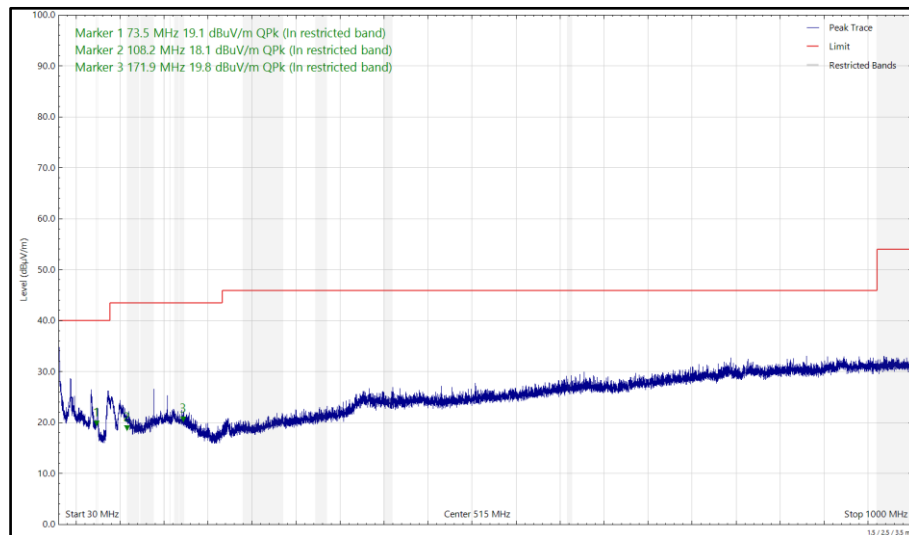


**Figure 44 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2450 MHz (CH20), Thread, iPA, Core 2, 30 MHz to 1 GHz, Vertical (Peak)**

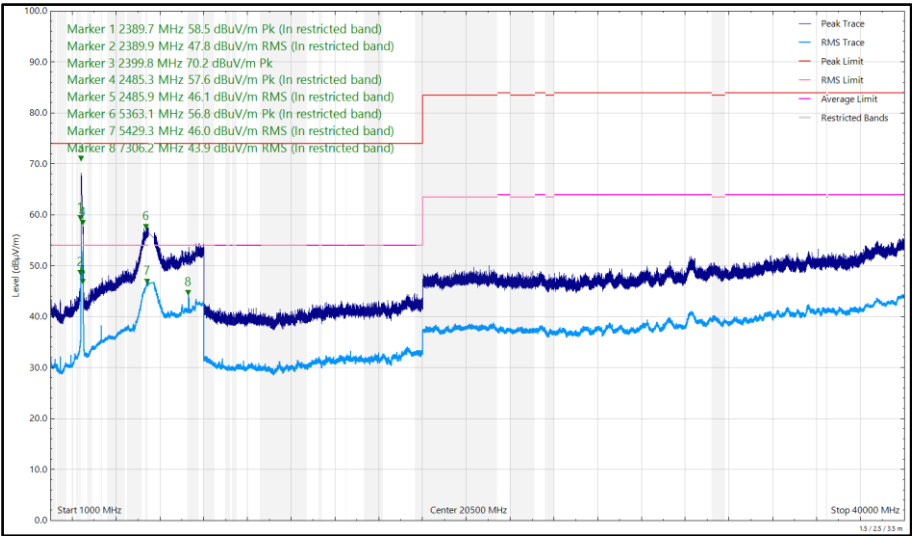


**Figure 45 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2450 MHz (CH20), Thread, iPA, Core 2, 1 GHz to 40 GHz, Vertical**

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

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

The least stringent applicable limit was:

| Clause                                                                         | Limit                                                                     |
|--------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| Part 15 247 (d) / RSS-247<br>Clause 6.6                                        | -30 dBc                                                                   |
| Part 15.407 (b) / RSS-247<br>Clause 6.6, 7.3.1.3, 7.3.2.3,<br>7.3.3.3, 7.3.4.4 | -27 dBm e.i.r.p                                                           |
| Part 15.209 / RSS-GEN<br>Clause 8.9                                            | Peak: 74 dBuV/m at 3m, Average 54 dBuV/m at 3m (Restricted bands > 1 GHz) |

**Table 25**

## 2.4 GHz WLAN and Thread and 6 GHz WLAN

| Frequency (MHz) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------|----------------|-------------|----------|-----------|-------------|--------------|
| 37.615          | 20.01          | 40.00          | -19.99      | Q-Peak   | 350       | 117         | Vertical     |
| 74.222          | 17.51          | 40.00          | -22.49      | Q-Peak   | 236       | 399         | Horizontal   |
| 74.483          | 17.35          | 40.00          | -22.65      | Q-Peak   | 351       | 308         | Vertical     |
| 162.616         | 20.40          | 43.50          | -23.10      | Q-Peak   | 97        | 254         | Horizontal   |
| 163.755         | 20.28          | 43.50          | -23.22      | Q-Peak   | 223       | 387         | Vertical     |
| 2389.801        | 59.84          | 74.00          | -14.16      | Peak     | 358       | 334         | Vertical     |
| 2389.921        | 40.66          | 54.00          | -13.34      | RMS      | 55        | 389         | Horizontal   |
| 2389.962        | 47.35          | 54.00          | -6.65       | RMS      | 360       | 367         | Vertical     |
| 2486.209        | 57.33          | 74.00          | -16.67      | Peak     | 357       | 287         | Vertical     |
| 2486.790        | 44.28          | 54.00          | -9.72       | RMS      | 350       | 390         | Vertical     |
| 5384.359        | 41.11          | 54.00          | -12.89      | RMS      | 6         | 328         | Vertical     |
| 5456.002        | 36.40          | 54.00          | -17.60      | RMS      | 5         | 179         | Horizontal   |
| 7299.823        | 55.33          | 74.00          | -18.67      | Peak     | 324       | 258         | Vertical     |
| 7303.830        | 43.68          | 54.00          | -10.32      | RMS      | 333       | 236         | Vertical     |
| 7307.407        | 41.43          | 54.00          | -12.57      | RMS      | 66        | 368         | Horizontal   |

**Table 26 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2450 MHz (CH20), Thread, iPA, Core 2, 30 MHz to 40 GHz**

No other emissions found within 20 dB of the limit.

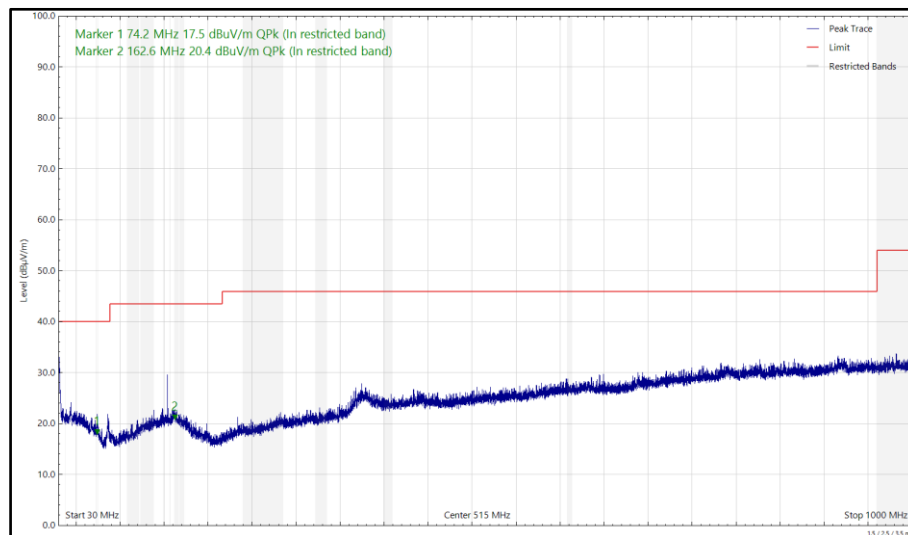


**Figure 46 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2450 MHz (CH20), Thread, iPA, Core 2, 30 MHz to 1 GHz, Horizontal (Peak)**

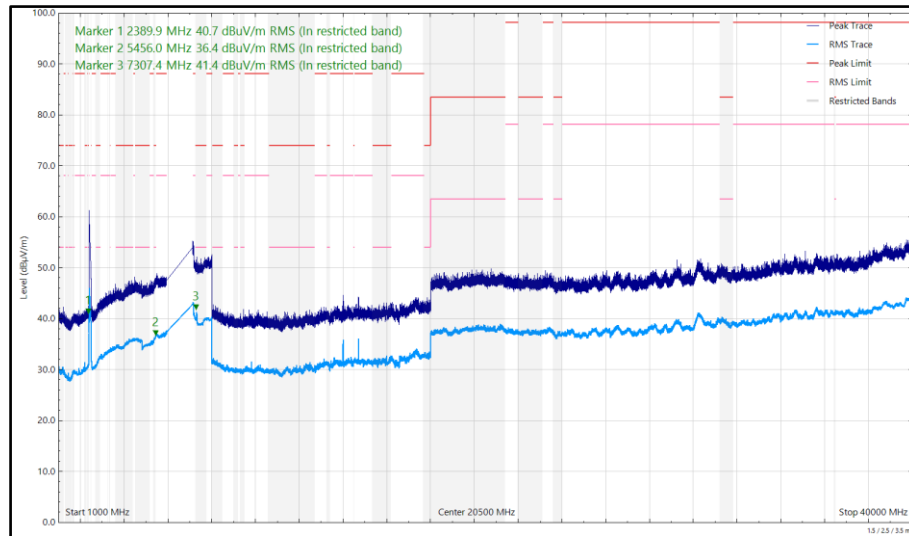


**Figure 47 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2450 MHz (CH20), Thread, iPA, Core 2, 1 GHz to 40 GHz, Horizontal**

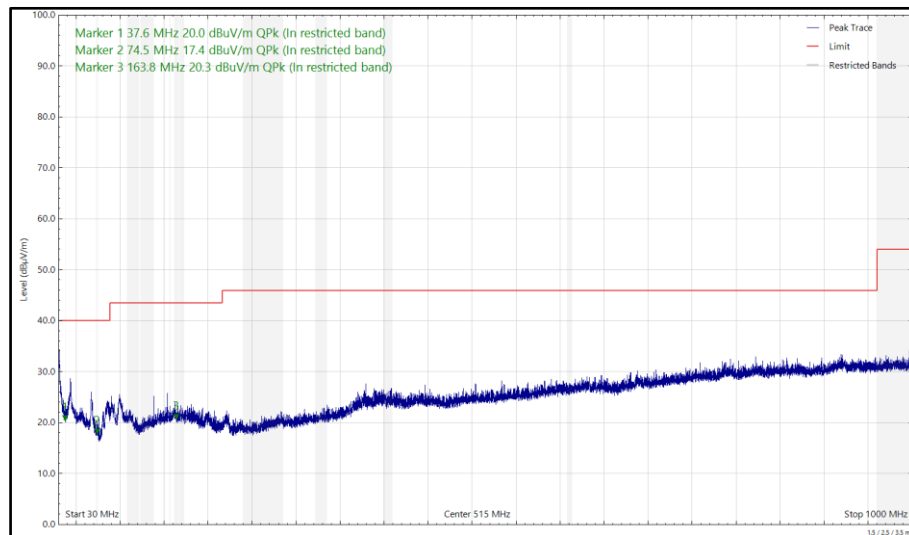


**Figure 48 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2450 MHz (CH20), Thread, iPA, Core 2, 30 MHz to 1 GHz, Vertical (Peak)**

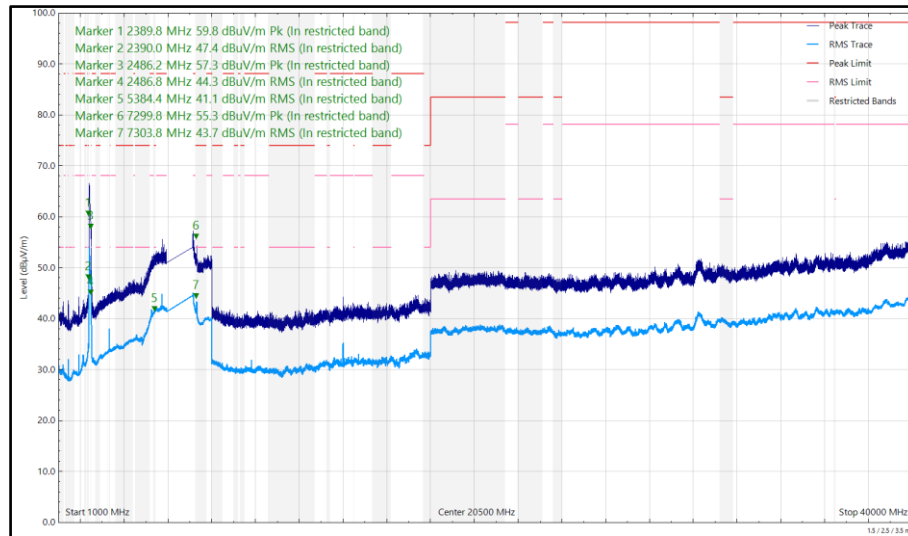


**Figure 49 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2450 MHz (CH20), Thread, iPA, Core 2, 1 GHz to 40 GHz, Vertical**

FCC 47 CFR Part 15, ISED RSS-247, ISED RSS-248 and ISED RSS-GEN

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

The least stringent applicable limit was:

| Clause                                    | Limit                                                                     |
|-------------------------------------------|---------------------------------------------------------------------------|
| Part 15 247 (d) / RSS-247<br>Clause 6.6   | -30 dBc                                                                   |
| Part 15.407 (b) / RSS-248<br>Clause 4.6.2 | Peak: -7 dBm/MHz e.i.r.p, Average: -27 dBm/MHz e.i.r.p.                   |
| Part 15.209 / RSS-GEN<br>Clause 8.9       | Peak: 74 dBuV/m at 3m, Average 54 dBuV/m at 3m (Restricted bands > 1 GHz) |

**Table 27**

## 2.4 GHz Bluetooth and 5GHz Narrowband

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Detector  | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------------|----------------------|-------------|-----------|-----------|-------------|--------------|
| 37.586          | 20.07                | 40.00                | -19.93      | Q-Peak    | 198       | 318         | Horizontal   |
| 37.790          | 20.02                | 40.00                | -19.98      | Q-Peak    | 350       | 396         | Vertical     |
| 2389.791        | 35.43                | 54.00                | -18.57      | CISPR Avg | 348       | 346         | Vertical     |
| 2485.626        | 34.29                | 54.00                | -19.71      | CISPR Avg | 360       | 307         | Vertical     |
| 5452.113        | 38.33                | 54.00                | -15.67      | CISPR Avg | 9         | 339         | Vertical     |

**Table 28 - 2441 MHz, DH5, ePA, Core 0 + Core 1 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 40 GHz**

No other emissions found within 20 dB of the limit.

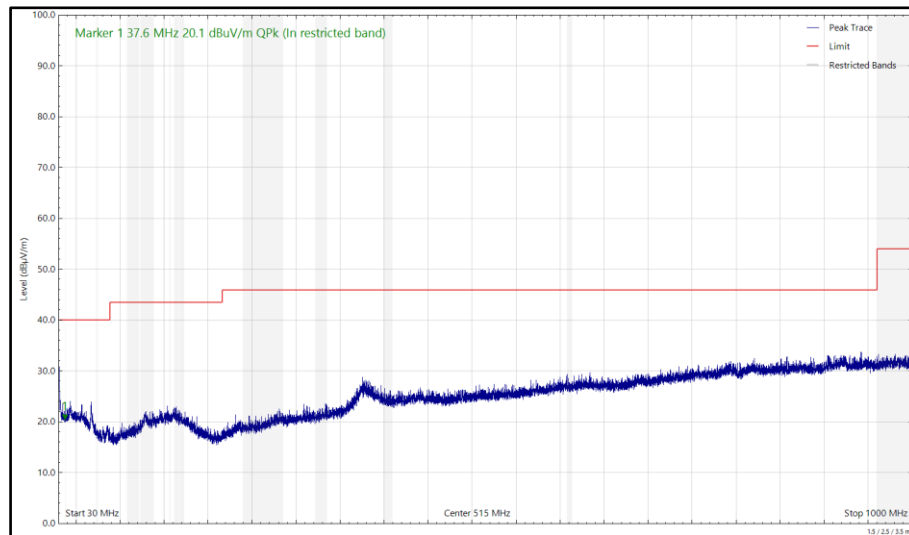


**Figure 50 - 2441 MHz, DH5, ePA, Core 0 + Core 1 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)**

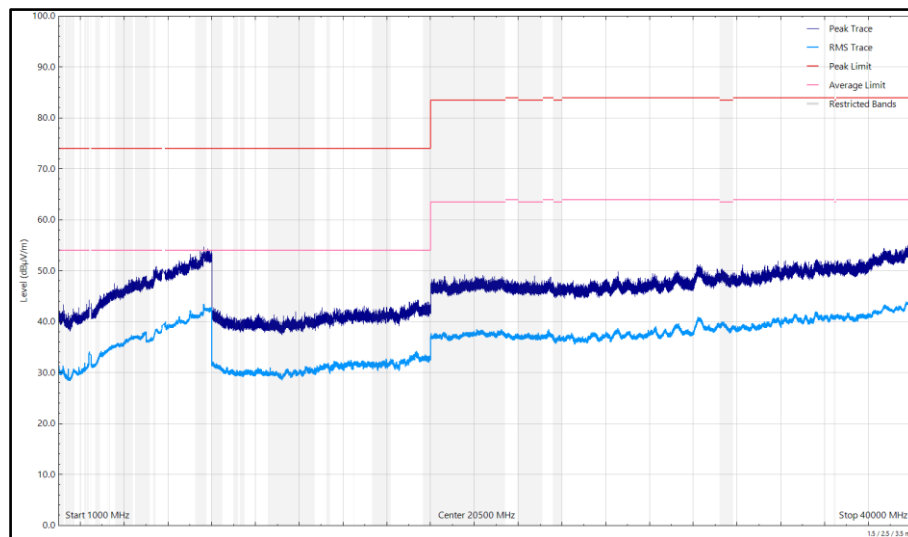


**Figure 51 - 2441 MHz, DH5, ePA, Core 0 + Core 1 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal**

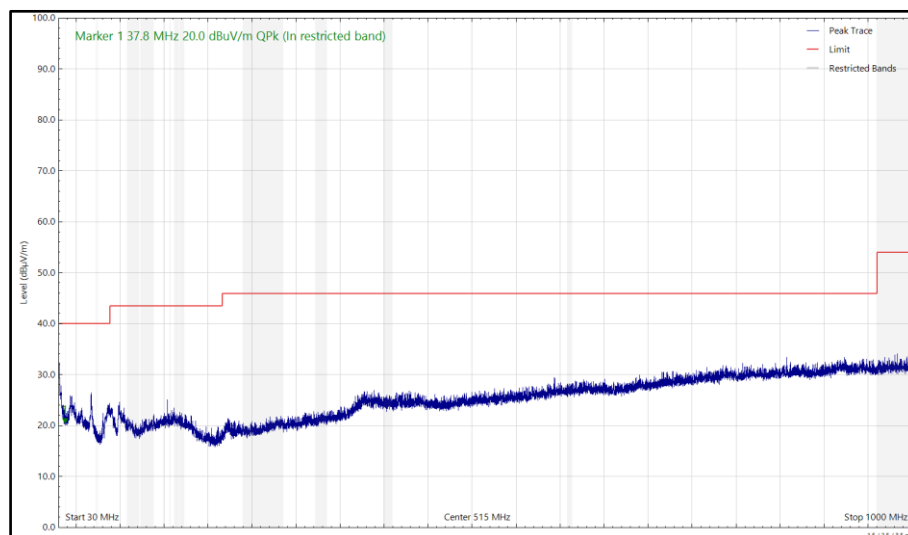


**Figure 52 - 2441 MHz, DH5, ePA, Core 0 + Core 1 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)**

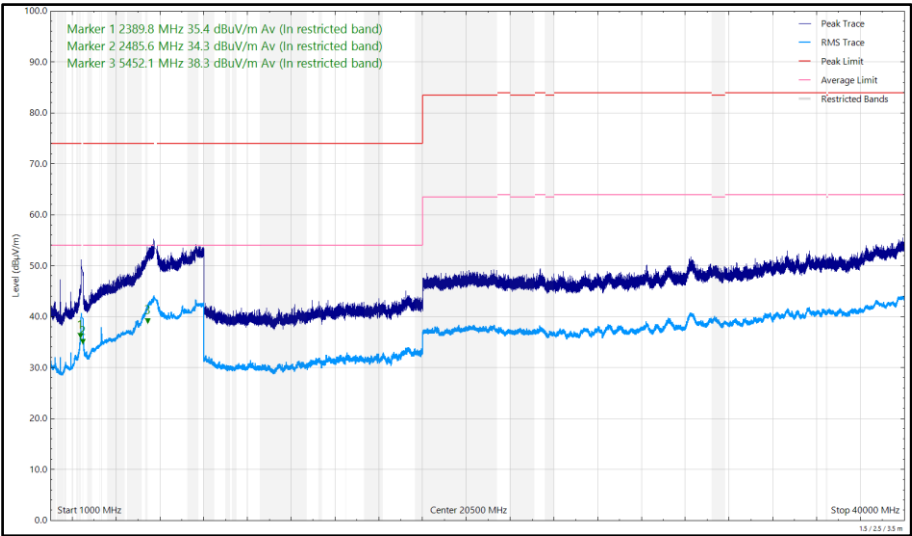


**Figure 53 - 2441 MHz, DH5, ePA, Core 0 + Core 1 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical**

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

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

The least stringent applicable limit was:

| Clause                                  | Limit           |
|-----------------------------------------|-----------------|
| Part 15 247 (d) / RSS-247<br>Clause 6.6 | -20 dBc         |
| Part 15.407 (b) / RSS-247<br>Clause 6.2 | -27 dBm e.i.r.p |

**Table 29**

### Thread and 5GHz Narrowband

| Frequency (MHz) | Level (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Detector | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------------|----------------------|-------------|----------|-----------|-------------|--------------|
| 37.967          | 20.05                | 40.00                | -19.95      | Q-Peak   | 161       | 347         | Horizontal   |
| 38.245          | 20.05                | 40.00                | -19.95      | Q-Peak   | 63        | 351         | Vertical     |
| 73.579          | 17.41                | 40.00                | -22.59      | Q-Peak   | 150       | 233         | Horizontal   |
| 2389.913        | 37.97                | 54.00                | -16.03      | RMS      | 350       | 258         | Vertical     |
| 2486.159        | 34.69                | 54.00                | -19.31      | RMS      | 334       | 295         | Vertical     |
| 5459.663        | 41.73                | 54.00                | -12.27      | RMS      | 7         | 332         | Vertical     |

**Table 30 - 2440 MHz (CH18), Thread, ePA, Core 0 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 40 GHz**

No other emissions found within 20 dB of the limit.

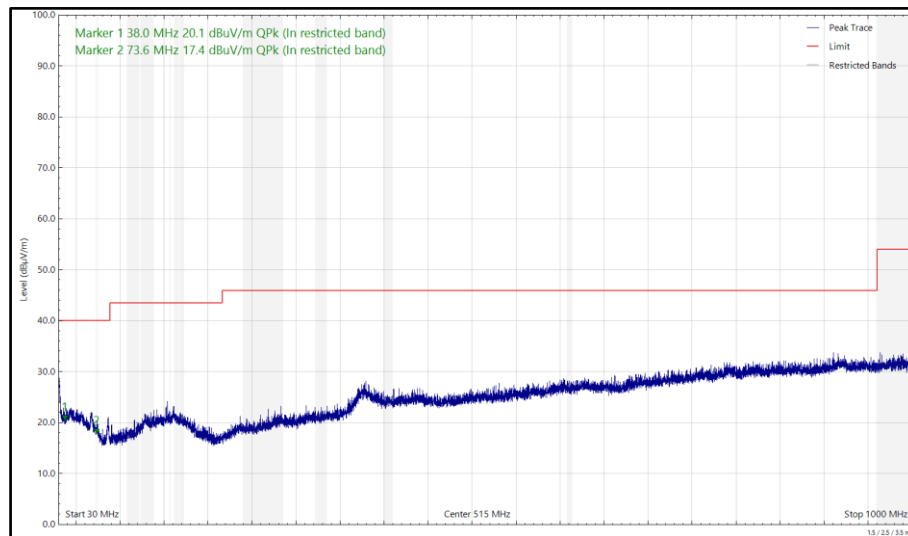


**Figure 54 - 2440 MHz (CH18), Thread, ePA, Core 0 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)**

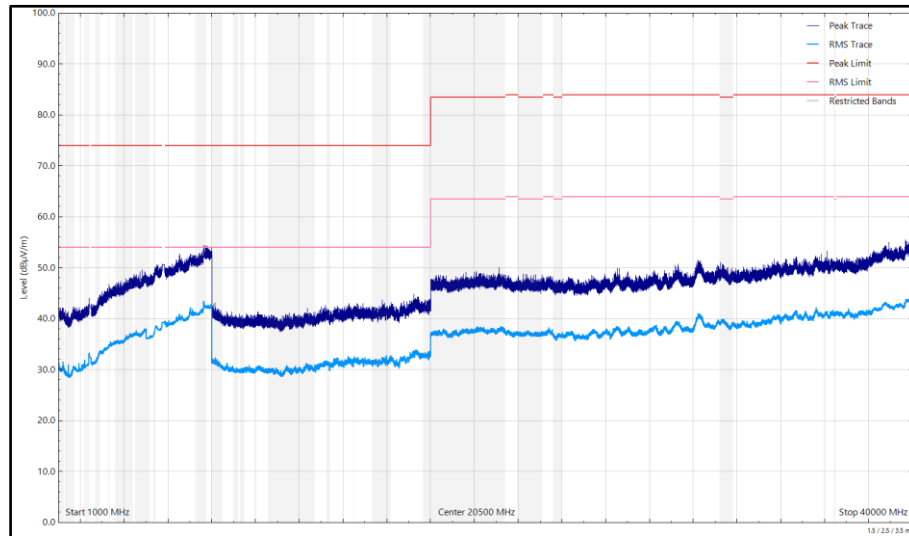


**Figure 55 - 2440 MHz (CH18), Thread, ePA, Core 0 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal**

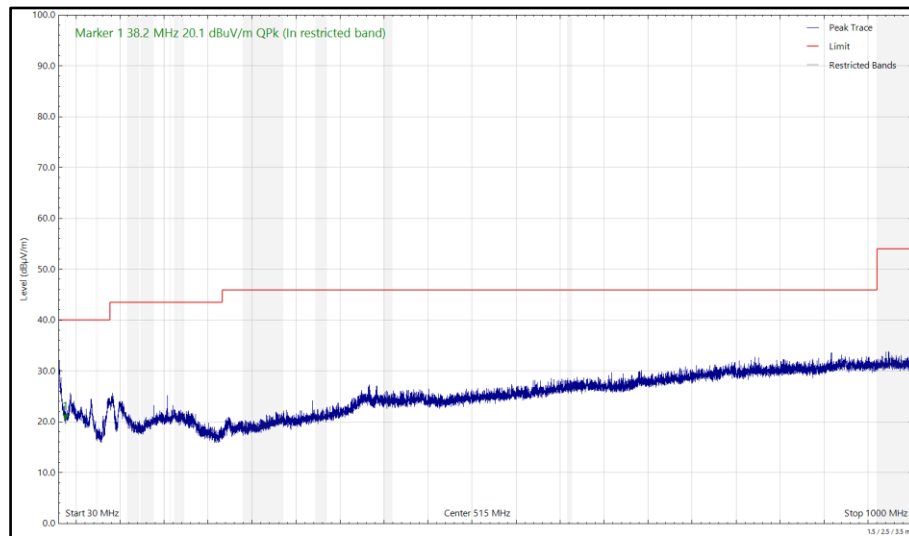


**Figure 56 - 2440 MHz (CH18), Thread, ePA, Core 0 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)**

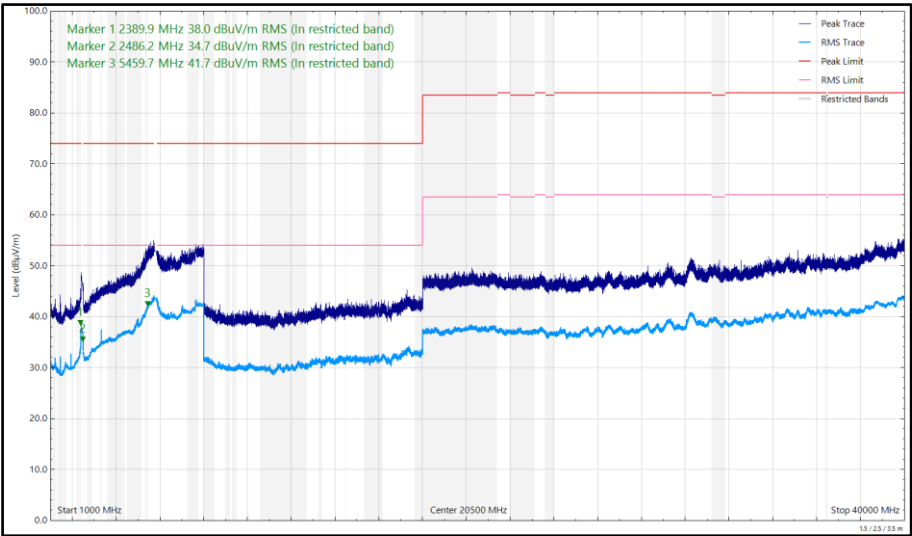


Figure 57 - 2440 MHz (CH18), Thread, ePA, Core 0 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

| Frequency (MHz) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Angle (°) | Height (cm) | Polarisation |
|-----------------|----------------|----------------|-------------|----------|-----------|-------------|--------------|
| 37.908          | 20.03          | 40.00          | -19.97      | Q-Peak   | 291       | 376         | Horizontal   |
| 38.030          | 20.02          | 40.00          | -19.98      | Q-Peak   | 176       | 124         | Vertical     |
| 73.980          | 17.42          | 40.00          | -22.58      | Q-Peak   | 227       | 131         | Vertical     |
| 2389.962        | 37.29          | 54.00          | -16.71      | RMS      | 355       | 334         | Vertical     |
| 2485.964        | 36.69          | 54.00          | -17.31      | RMS      | 355       | 346         | Vertical     |
| 5458.445        | 41.47          | 54.00          | -12.53      | RMS      | 350       | 258         | Vertical     |

**Table 31 - 2440 MHz (CH18), Thread, ePA, Core 1 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 40 GHz**

No other emissions found within 20 dB of the limit.

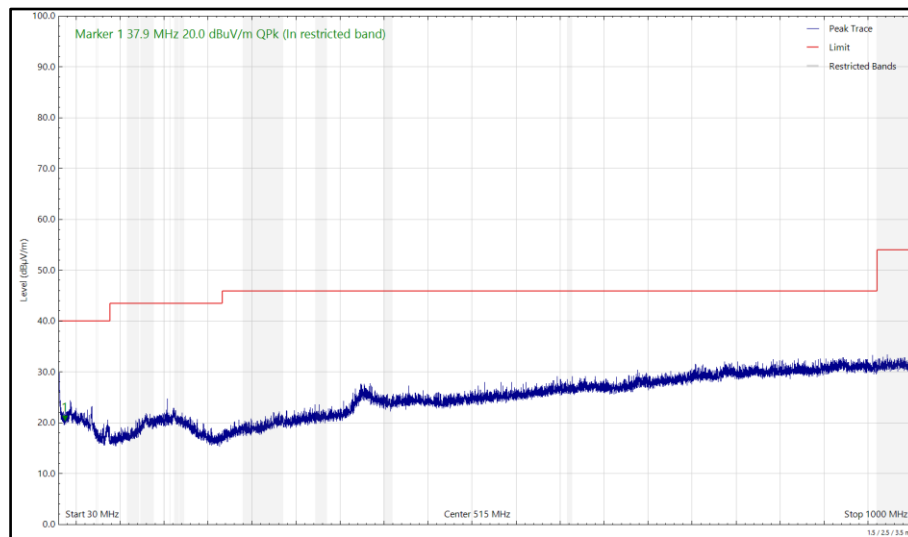


**Figure 58 - 2440 MHz (CH18), Thread, ePA, Core 1 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)**

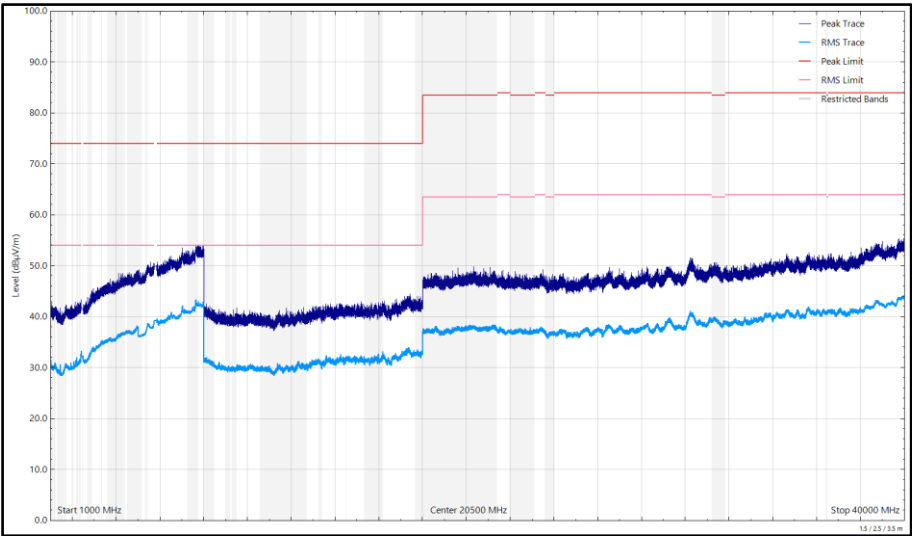


Figure 59 - 2440 MHz (CH18), Thread, ePA, Core 1 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

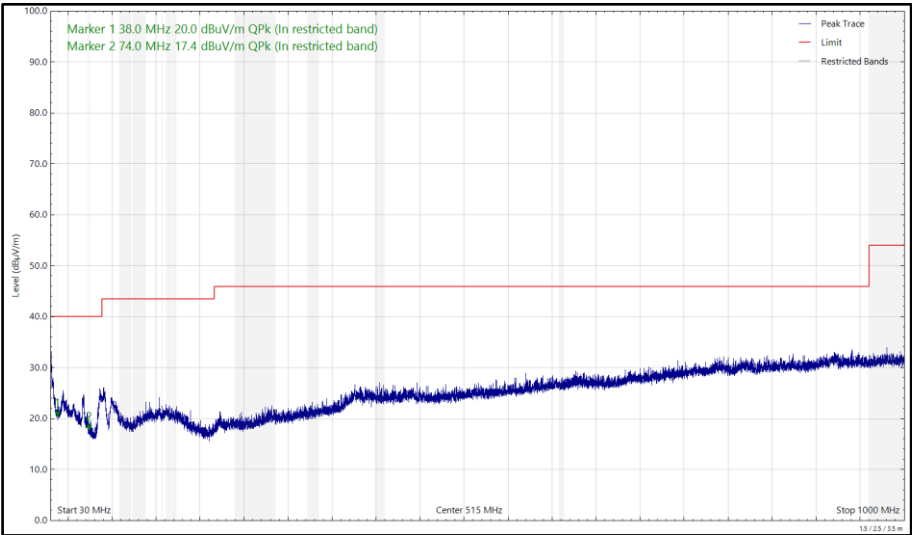


Figure 60 - 2440 MHz (CH18), Thread, ePA, Core 1 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

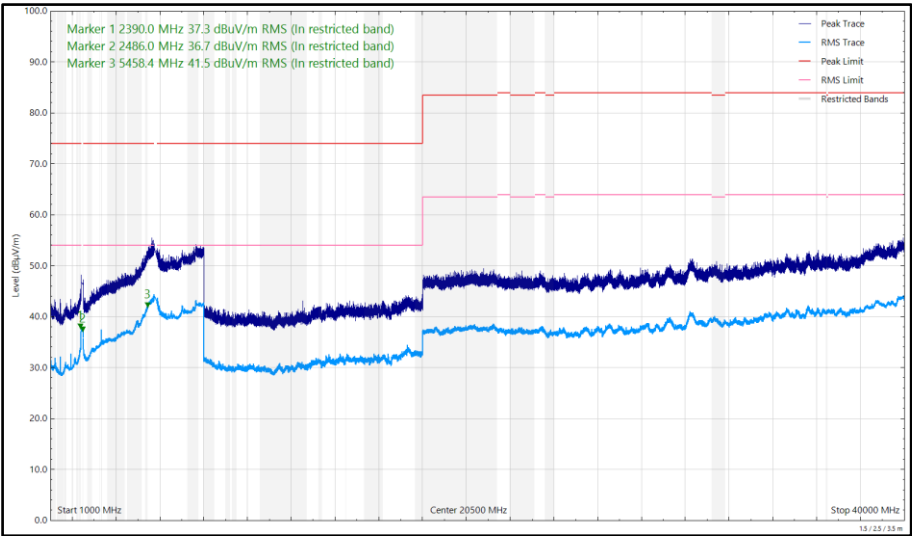


Figure 61 - 2440 MHz (CH18), Thread, ePA, Core 1 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

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

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

The least stringent applicable limit was:

| Clause                                  | Limit           |
|-----------------------------------------|-----------------|
| Part 15 247 (d) / RSS-247<br>Clause 6.6 | -30 dBc         |
| Part 15.407 (b) / RSS-247<br>Clause 6.2 | -27 dBm e.i.r.p |

Table 32



## 2.1.8 Test Location and Test Equipment Used

This test was carried out in RF Chamber 16 and RF Chamber 18.

| Instrument                                   | Manufacturer       | Type No.                  | TE No. | Calibration Period (months) | Calibration Expiry Date |
|----------------------------------------------|--------------------|---------------------------|--------|-----------------------------|-------------------------|
| Emissions Software                           | TUV SUD            | EmX V3.6.3                | 5125   | -                           | TU                      |
| EMI Test Receiver                            | Rohde & Schwarz    | ESW44                     | 5911   | 12                          | 29-Oct-2026             |
| DRG Horn Antenna (7.5-18GHz)                 | Schwarzbeck        | HWRD750                   | 5940   | 12                          | 23-May-2027             |
| TRILOG Super Broadband Test Antenna          | Schwarzbeck        | VULB 9168                 | 5943   | 24                          | 05-Sep-2027             |
| 1500W (300V 12A) AC Power Supply             | iTech              | IT7324                    | 5957   | -                           | TU                      |
| Mast & Turntable Controller                  | Maturo Gmbh        | FCU3.0                    | 5960   | -                           | TU                      |
| Tilt Antenna Mast                            | Maturo Gmbh        | BAM4.5-P                  | 5961   | -                           | TU                      |
| 3m Semi-Anechoic Chamber                     | Albatross Projects | RF Chamber 16             | 5972   | 36                          | 07-May-2028             |
| Mast & Turntable Controller                  | Maturo Gmbh        | FCU3.0                    | 5973   | -                           | TU                      |
| Tilt Antenna Mast                            | Maturo Gmbh        | BAM4.5-P                  | 5974   | -                           | TU                      |
| Turntable                                    | Maturo Gmbh        | TT1.5SI                   | 5975   | -                           | TU                      |
| Cable (SMA to SMA 1m)                        | Junkosha           | MWX221-01000AMSAMS/A      | 6018   | 12                          | 20-Jun-2027             |
| Horn Antenna (1-10 GHz)                      | Schwarzbeck        | BBHA9120B                 | 6142   | 12                          | 12-Sep-2027             |
| Digital Multimeter                           | Fluke              | 115                       | 6145   | 12                          | 02-Jun-2027             |
| Double Ridge Active Horn Antenna (18-40 GHz) | Com-Power          | AHA-840                   | 6189   | 24                          | 26-Sep-2026             |
| SAC Switch Unit                              | TUV SUD            | TUV_SSU_001               | 6191   | 12                          | 18-Dec-2026             |
| 8GHz Highpass Filter                         | Wainwright         | WHKX 7150 8000 18000 50SS | 6195   | 12                          | 23-Apr-2027             |
| Attenuator 4dB                               | Pasternack         | PE7074-4                  | 6201   | 24                          | 05-Sep-2027             |
| Cable (SMA to SMA 20cm)                      | TUV SUD            | MH-FH 8-18                | 6214   | 12                          | 23-Apr-2027             |
| Cable (K Type 2m)                            | Junkosha           | MWX241-02000KMSKMS/B      | 6323   | 12                          | 27-Apr-2027             |
| Humidity and Temperature Meter               | R.S Components     | 1364                      | 6346   | 12                          | 31-Mar-2027             |
| 3m Semi-Anechoic Chamber                     | Albatross Projects | Chamber 18                | 6597   | 36                          | 08-May-2028             |
| Turntable                                    | Maturo Gmbh        | TT1.5SI                   | 6797   | -                           | TU                      |
| EMI Test Receiver                            | Rohde & Schwarz    | ESW44                     | 6805   | 12                          | 22-Sep-2026             |
| AC Programmable Power Supply                 | iTech              | IT7324                    | 6812   | -                           | TU                      |
| Handheld Hygrometer                          | Fluke              | 971                       | 6837   | 12                          | 16-Sep-2026             |
| 1m SMA-Type Cable                            | Junkosha           | MWX221-01000AMSAMS/B      | 6841   | 12                          | 23-Sep-2026             |



| Instrument                     | Manufacturer        | Type No.             | TE No. | Calibration Period (months) | Calibration Expiry Date |
|--------------------------------|---------------------|----------------------|--------|-----------------------------|-------------------------|
| 8m SMA-Type Cable              | Junkosha            | MWX221-08000AMSAMS/B | 6849   | 12                          | 06-Nov-2026             |
| 8m SMA-Type Cable              | Junkosha            | MWX221-08000AMSAMS/B | 6850   | 12                          | 23-Oct-2026             |
| SAC Switch Unit                | TUV SUD             | TUV_SSU_004 PLC      | 6886   | 12                          | 02-Dec-2026             |
| Pre Amp 8 - 18 GHz             | Wright Technologies | APS06-0061           | 6985   | 12                          | 23-Apr-2027             |
| 1-10GHZ broadband horn antenna | Schwarzbeck         | BBHA 9120 B          | 7135   | 12                          | 12-Sep-2027             |

**Table 33**

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



### 3 Measurement Uncertainty

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

| Test Name                                               | Measurement Uncertainty                                        |
|---------------------------------------------------------|----------------------------------------------------------------|
| Radiated Spurious Emissions (Simultaneous Transmission) | 30 MHz to 1 GHz: $\pm 5.2$ dB<br>1 GHz to 40 GHz: $\pm 6.3$ dB |

**Table 34**

#### Measurement Uncertainty Decision Rule – Accuracy Method

Determination of conformity with the specification limits is based on the decision rule according to IEC Guide 115:2021, Clause 4.4.3 (Procedure 2). The measurement results are directly compared with the test limit to determine conformance with the requirements of the standard.

Risk: The uncertainty of measurement about the measured result is negligible with regard to the final pass/fail decision. The measurement result can be directly compared with the test limit to determine conformance with the requirement (compare IEC Guide 115). The level of risk to falsely accept and falsely reject items is further described in ILAC-G8.