

FCC and ISED Test Report

Apple Inc
Model: A3593

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	25 September 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	Rachael Watkins	25 September 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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ACCREDITATION

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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	25 September 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 ISED RSS-247: Issue 4 (2025-07) ISED RSS-248: Issue 3 (2024-10) ISED RSS-GEN: Issue 5 (2018-04) + A2 (2021-02)
Start of Test	05-July-2026
Finish of Test	02-September-2026
Name of Engineer(s)	Manohar Thota, Zeeshan Zia, Colin Brain, Ian Hart, Gridi Bilali, Dulanjan Witharamalage, Nathan Ocom, Morsalin Hossain,
Related Document(s)	ANSI C63.4 (2014) ANSI C63.10 (2020) +Cor.1-2023+C63.10a-2024 KDB 789033 D02 v02r01 KDB 987594 D02 v03

1.3 Brief Summary of Results

A brief summary of the tests carried out in accordance with FCC and ISED (Simultaneous Transmission) 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, 15.247(d) and 15.407(b)	6.6 and 7.3	-	6.13 and 8.9	Radiated Spurious Emissions (Simultaneous Transmission)	Pass	ANSI C63.4 (2014) ANSI C63.10 (2020) +Cor.1-2023+C63.10a-2024 KDB 789033 D02 v02r01
Configuration and Mode: 6 GHz WLAN and 2.4 GHz Bluetooth							
2.1	15.209, 15.247(d) and 15.407(b)	6.6	4.6.2	6.13 and 8.9	Radiated Spurious Emissions (Simultaneous Transmission)	Pass	ANSI C63.4 (2014) ANSI C63.10 (2020) +Cor.1-2023+C63.10a-2024 KDB 789033 D02 v02r01 KDB 987594 D02 v03
Configuration and Mode: 2.4 GHz WLAN, 2.4 GHz Bluetooth and 5 GHz Narrowband							
2.1	15.209, 15.247(d) and 15.407(b)	6.6 and 7.3	-	6.13 and 8.9	Radiated Spurious Emissions (Simultaneous Transmission)	Pass	ANSI C63.4 (2014) ANSI C63.10 (2020) +Cor.1-2023+C63.10a-2024 KDB 789033 D02 v02r01
Configuration and Mode: 2.4 GHz WLAN, 2.4 GHz Bluetooth and 5 GHz WLAN							
2.1	15.209, 15.247(d) and 15.407(b)	6.6 and 7.3	-	6.13 and 8.9	Radiated Spurious Emissions (Simultaneous Transmission)	Pass	ANSI C63.4 (2014) ANSI C63.10 (2020) +Cor.1-2023+C63.10a-2024 KDB 789033 D02 v02r01



Configuration and Mode: 2.4 GHz WLAN, 2.4 GHz Bluetooth and 6 GHz WLAN							
2.1	15.209, 15.247(d) and 15.407(b)	6.6	4.6.2	6.13 and 8.9	Radiated Spurious Emissions (Simultaneous Transmission)	Pass	ANSI C63.4 (2014) ANSI C63.10 (2020) +Cor.1- 2023+C63.10a-2024 KDB 789033 D02 v02r01 KDB 987594 D02 v03
Configuration and Mode: 2.4 GHz Bluetooth and 5GHz Narrowband							
2.1	15.247(d) and 15.407(b)	6.6 and 6.2	-	6.13 and 8.9	Radiated Spurious Emissions (Simultaneous Transmission)	Pass	ANSI C63.4 (2014) ANSI C63.10 (2020) +Cor.1- 2023+C63.10a-2024 KDB 789033 D02 v02r01
Configuration and Mode: 2.4 GHz Bluetooth, 5GHz Narrowband and Thread							
2.1	15.209, 15.247(d) and 15.407(b)	6.6 and 7.3	-	6.13 and 8.9	Radiated Spurious Emissions (Simultaneous Transmission)	Pass	ANSI C63.4 (2014) ANSI C63.10 (2020) +Cor.1- 2023+C63.10a-2024 KDB 789033 D02 v02r01
Configuration and Mode: 2.4 GHz Bluetooth, Thread and 5 GHz WLAN							
2.1	15.209, 15.247(d) and 15.407(b)	6.6 and 7.3	-	6.13 and 8.9	Radiated Spurious Emissions (Simultaneous Transmission)	Pass	ANSI C63.4 (2014) ANSI C63.10 (2020) +Cor.1- 2023+C63.10a-2024 KDB 789033 D02 v02r01
Configuration and Mode: 2.4 GHz Bluetooth, Thread and 6 GHz WLAN							
2.1	15.209, 15.247(d) and 15.407(b)	6.6	4.6.2	6.13 and 8.9	Radiated Spurious Emissions (Simultaneous Transmission)	Pass	ANSI C63.4 (2014) ANSI C63.10 (2020) +Cor.1- 2023+C63.10a-2024 KDB 789033 D02 v02r01 KDB 987594 D02 v03

Table 2



1.4 Product Information

1.4.1 Technical Description

The equipment under test (EUT) was a TV Set Top Box.

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: A3593		
Serial Number	Hardware Version	Software Version
HW4095PWM7	REV1.0	TBC
C2KTXXPQCW	REV1.0	TBC

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: A3593, Serial Number: C2KTXXPQCW			
0	As supplied by the customer	Not Applicable	Not Applicable
Model: A3593, Serial Number: HW4095PWM7			
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)	Manohar Thota	UKAS
Configuration and Mode: 6 GHz WLAN and 2.4 GHz Bluetooth		
Radiated Spurious Emissions (Simultaneous Transmission)	Manohar Thota and Zeeshan Zia	UKAS
Configuration and Mode: 2.4 GHz WLAN, 2.4 GHz Bluetooth and 5 GHz Narrowband		
Radiated Spurious Emissions (Simultaneous Transmission)	Manohar Thota, Colin Brain, Ian Hart, Gridi Bilali	UKAS
Configuration and Mode: 2.4 GHz WLAN, 2.4 GHz Bluetooth and 5 GHz WLAN		
Radiated Spurious Emissions (Simultaneous Transmission)	Manohar Thota, Dulanjan Witharamalage, Marius Vasii, Ian Hart, Gridi Bilali	UKAS
Configuration and Mode: 2.4 GHz WLAN, 2.4 GHz Bluetooth and 6 GHz WLAN		
Radiated Spurious Emissions (Simultaneous Transmission)	Manohar Thota, Dulanjan Witharamalage, Nathan Ocom, Gridi Bilali, Morsalin Hossain	UKAS
Configuration and Mode: 2.4 GHz Bluetooth and 5GHz Narrowband		
Radiated Spurious Emissions (Simultaneous Transmission)	Manohar Thota Nathan Ocom, Ian Hart, Dulanjan Witharamalage	UKAS
Configuration and Mode: 2.4 GHz Bluetooth, 5GHz Narrowband and Thread		
Radiated Spurious Emissions (Simultaneous Transmission)	Colin Brain and Manohar Thota	UKAS
Configuration and Mode: 2.4 GHz Bluetooth, Thread and 5 GHz WLAN		
Radiated Spurious Emissions (Simultaneous Transmission)	Manohar Thota, Colin Brain, Dulanjan Witharamalage, Nathan Ocom and Ian Hart	UKAS
Configuration and Mode: 2.4 GHz Bluetooth, Thread and 6 GHz WLAN		
Radiated Spurious Emissions (Simultaneous Transmission)	Colin Brain, Dulanjan Witharamalage, Manohar Thota and Marius Vasii	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

A3593, S/N: HW4095PWM7 - Modification State 0
A3593, S/N: C2KTXXPQCW - Modification State 0

2.1.3 Date of Test

05-July-2026 to 02-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 $20 \cdot \text{LOG}(3/1) = 9.54 \text{ dB}$.

2.1.5 Example Test Setup Diagram

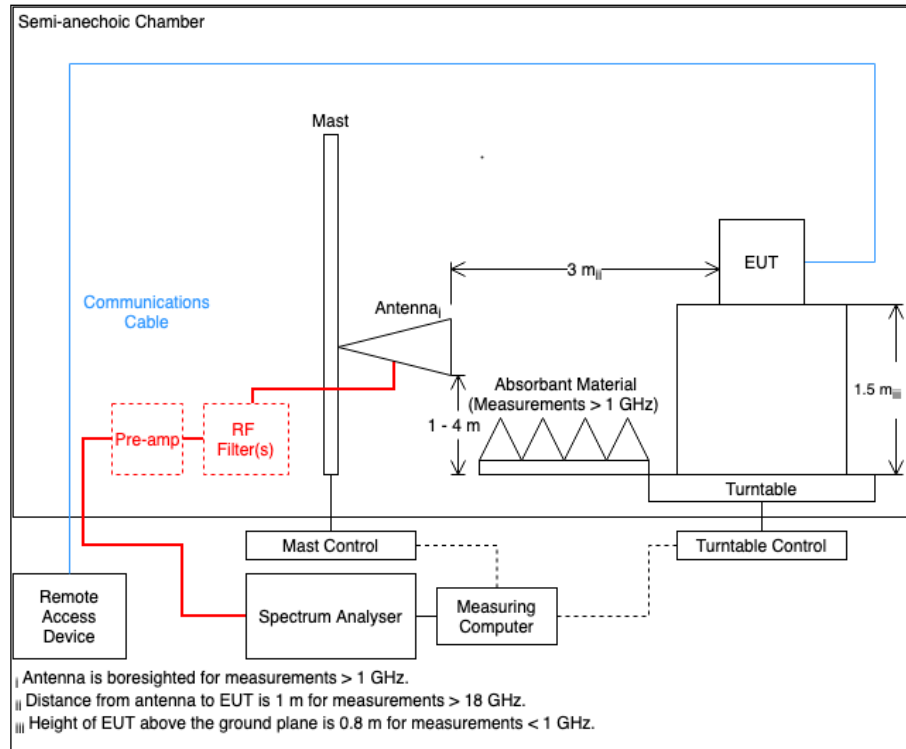


Figure 1

2.1.6 Environmental Conditions

Ambient Temperature	19.1 - 23.6 °C
Relative Humidity	32.1 - 38.5 %

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
37.787	21.72	40.00	-18.28	Q-Peak	149	259	Vertical
37.981	21.46	40.00	-18.54	Q-Peak	219	355	Horizontal
74.956	18.63	40.00	-21.37	Q-Peak	229	353	Vertical
169.653	22.23	43.50	-21.27	Q-Peak	161	124	Vertical
261.239	22.04	46.00	-23.96	Q-Peak	160	166	Horizontal
2388.133	31.77	54.00	-22.23	CISPR Avg	56	144	Horizontal
2488.055	29.45	54.00	-24.55	CISPR Avg	66	121	Horizontal
4881.921	58.57	74.00	-15.43	Peak	203	154	Horizontal
4882.075	48.93	54.00	-5.07	CISPR Avg	202	149	Horizontal
4882.358	46.51	54.00	-7.49	CISPR Avg	53	155	Vertical
4882.419	56.47	74.00	-17.53	Peak	52	161	Vertical
5442.283	35.10	54.00	-18.90	CISPR Avg	360	393	Horizontal
5457.453	35.94	54.00	-18.06	CISPR Avg	150	187	Vertical

Table 6 - 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.

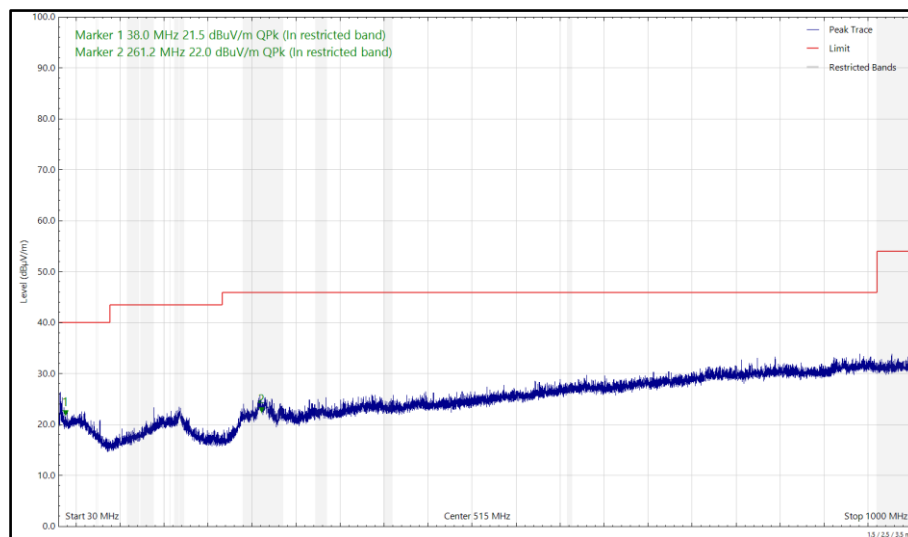


Figure 2 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2441 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

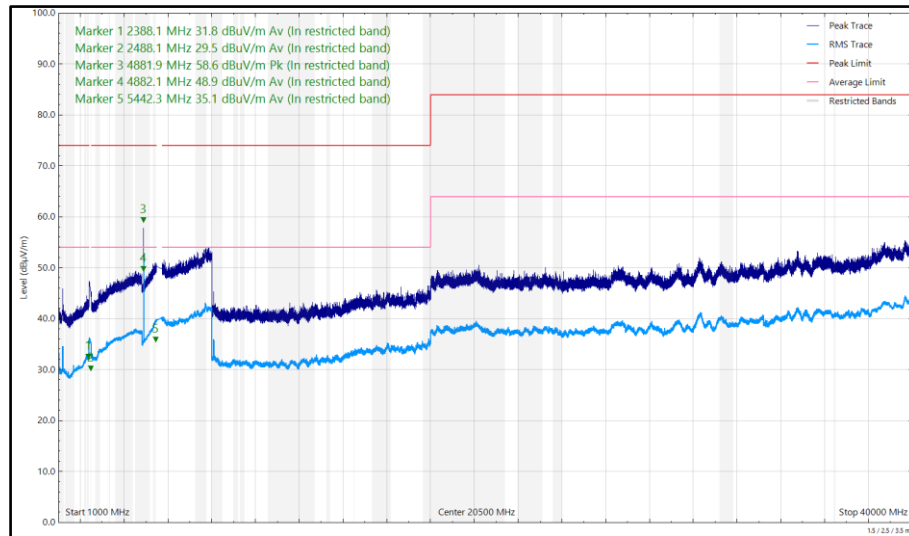


Figure 3 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2441 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

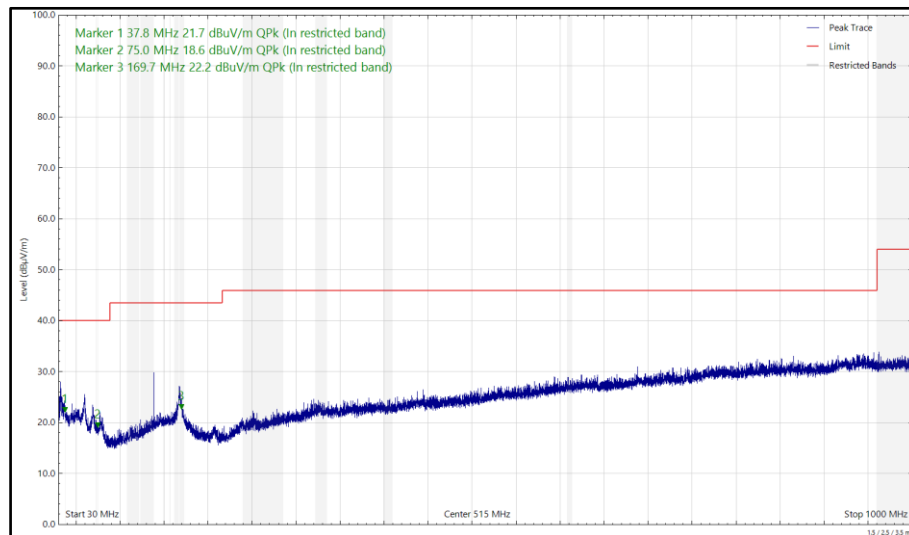


Figure 4 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2441 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

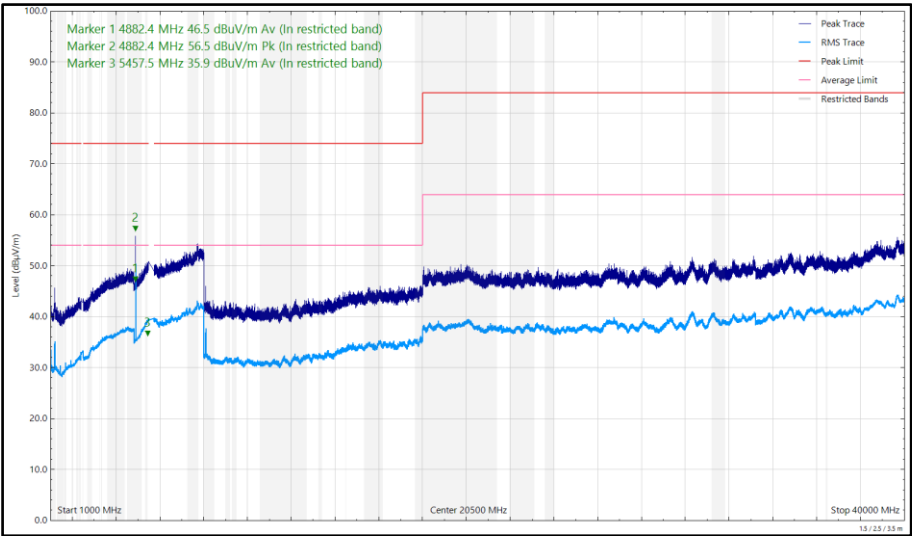


Figure 5 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2441 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

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

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
38.073	21.75	40.00	-18.25	Q-Peak	349	173	Vertical
74.081	18.85	40.00	-21.15	Q-Peak	359	392	Vertical
163.623	21.61	43.50	-21.89	Q-Peak	264	395	Horizontal
166.544	21.62	43.50	-21.88	Q-Peak	150	358	Vertical
267.198	21.03	46.00	-24.97	Q-Peak	230	372	Horizontal
2389.157	28.77	54.00	-25.23	CISPR Avg	45	160	Horizontal
4881.915	42.18	54.00	-11.82	CISPR Avg	65	144	Vertical
4882.180	45.36	54.00	-8.64	CISPR Avg	210	147	Horizontal
5429.968	32.65	54.00	-21.35	CISPR Avg	17	167	Horizontal
5433.685	32.74	54.00	-21.26	CISPR Avg	8	390	Vertical
9431.161	32.71	54.00	-21.29	CISPR Avg	117	287	Vertical
9439.870	32.35	54.00	-21.65	CISPR Avg	156	105	Horizontal

Table 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.

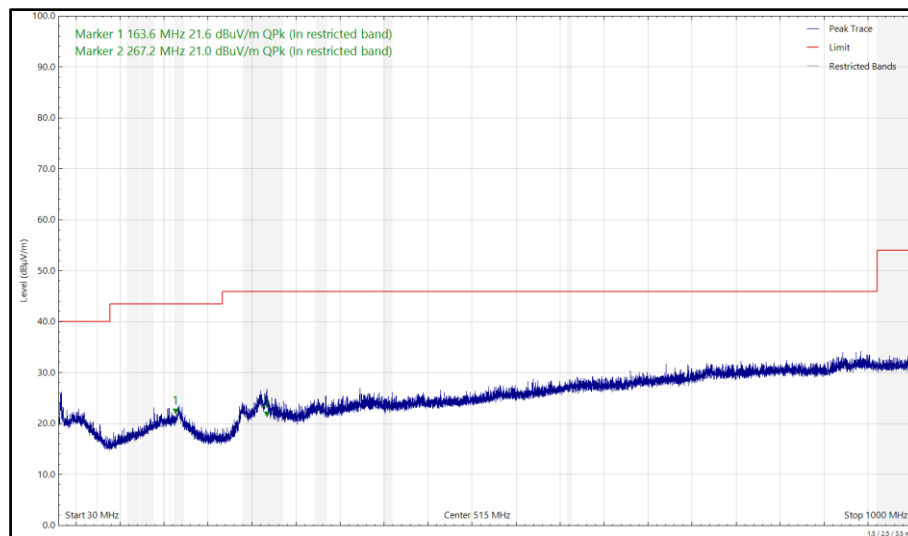


Figure 6 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2441 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

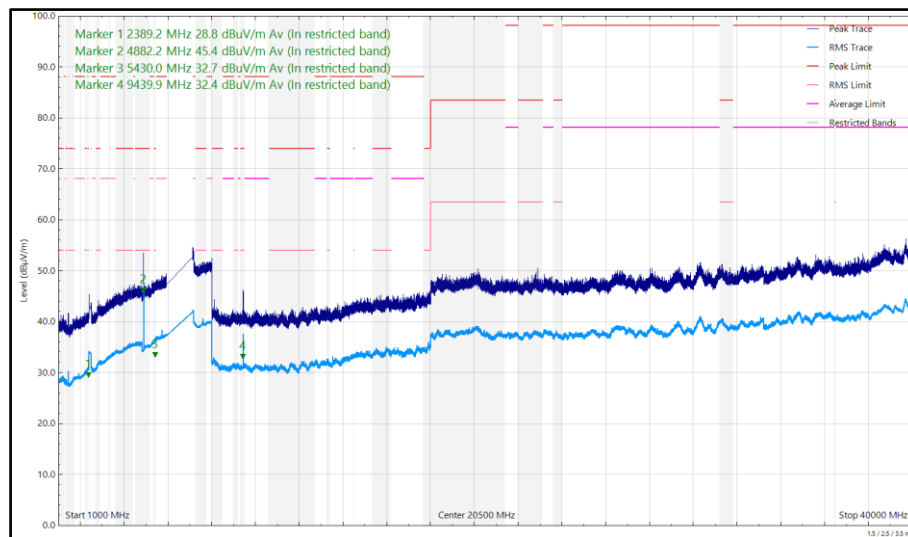


Figure 7 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2441 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

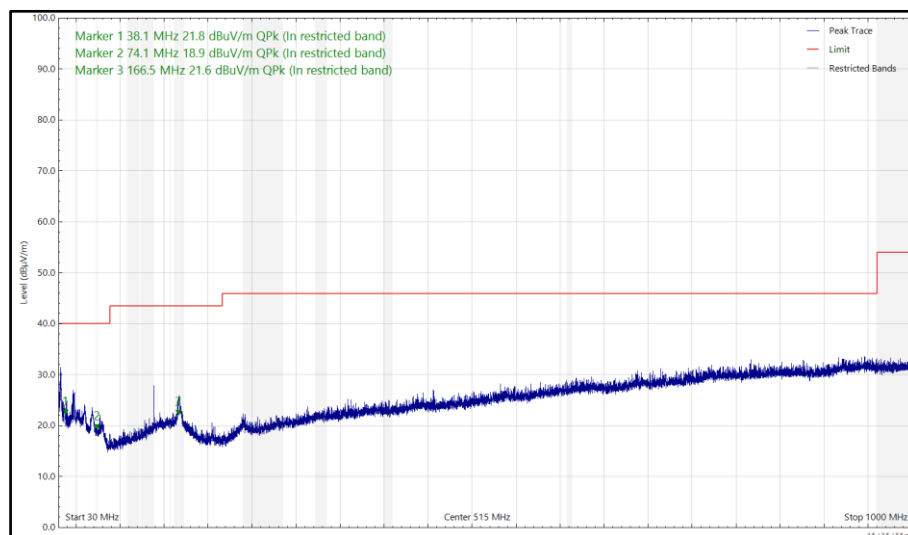


Figure 8 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2441 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

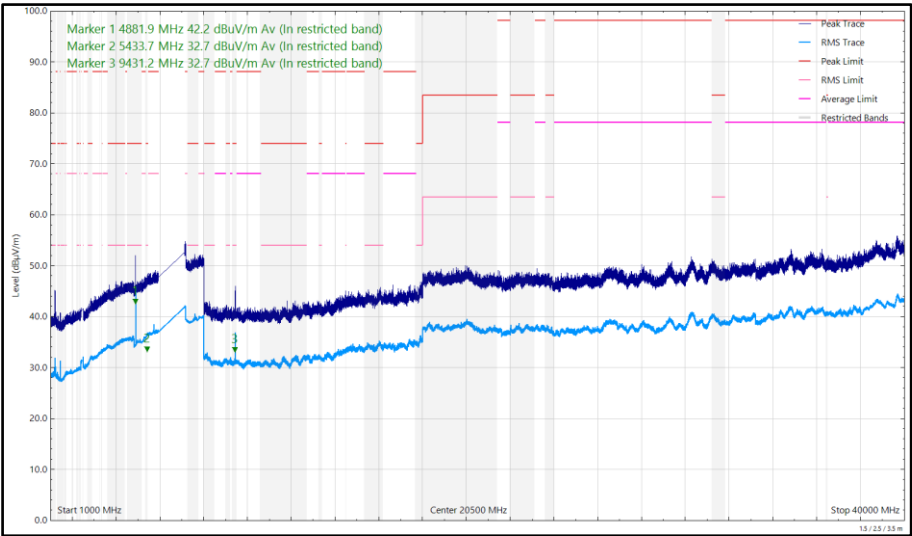


Figure 9 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2441 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

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 Clause 6.6	-20 dBc
Part 15.407 (b) / RSS-248 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 Clause 8.9	Peak: 74 dBuV/m at 3m, Average 54 dBuV/m at 3m (Restricted bands > 1 GHz)

Table 9

2.4 GHz WLAN and 2.4 GHz Bluetooth and 5 GHz Narrowband

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
37.698	21.42	40.00	-18.58	Q-Peak	54	329	Horizontal
73.514	18.78	40.00	-21.22	Q-Peak	17	390	Vertical
166.482	24.22	43.50	-19.28	Q-Peak	290	100	Vertical
167.980	22.16	43.50	-21.34	Q-Peak	50	358	Horizontal
1439.852	33.34	54.00	-20.66	CISPR Avg	322	146	Vertical
2387.340	33.02	54.00	-20.98	CISPR Avg	163	323	Vertical
2388.245	37.28	54.00	-16.72	CISPR Avg	190	100	Horizontal
2398.234	60.08	74.00	-13.92	Peak	187	104	Horizontal
2483.686	37.93	54.00	-16.07	CISPR Avg	18	132	Horizontal
2483.816	33.28	54.00	-20.72	CISPR Avg	131	389	Vertical
4868.554	62.26	74.00	-11.74	Peak	132	128	Vertical
4872.510	48.06	54.00	-5.94	RMS	132	128	Vertical
4873.164	62.06	74.00	-11.94	Peak	213	137	Horizontal
4873.385	49.86	54.00	-4.14	RMS	212	145	Horizontal

Table 10 - 2437 MHz (CH6), HT20, 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.

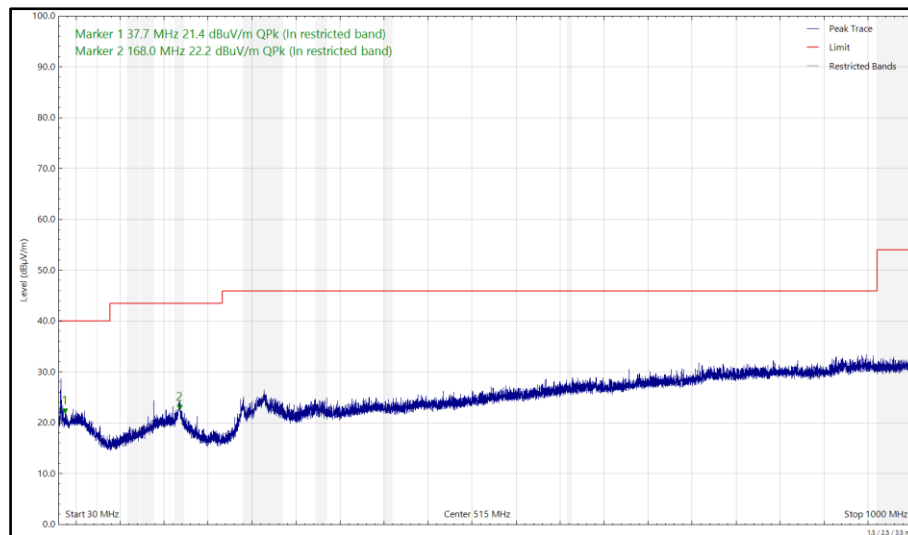


Figure 10 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and 2450 MHz, DH5, iPA, Core 2 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

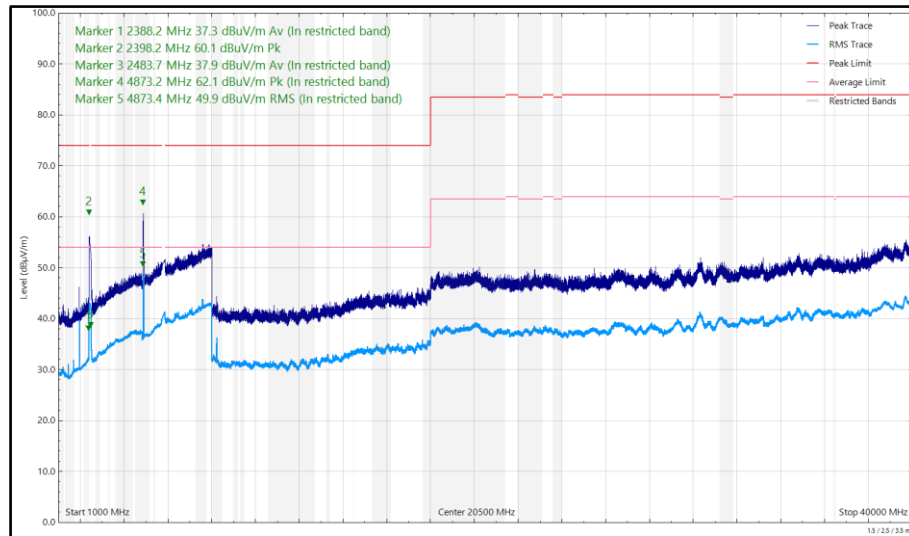


Figure 11 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and 2450 MHz, DH5, iPA, Core 2 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

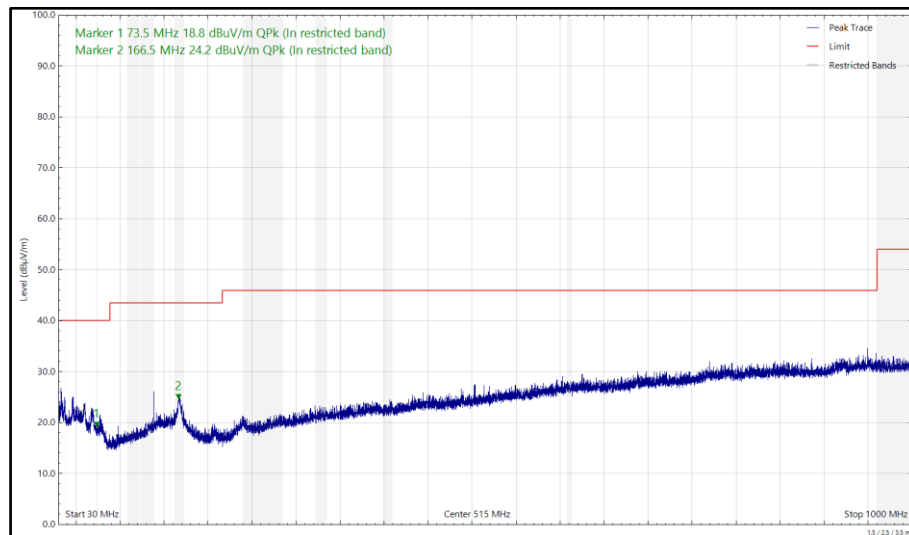


Figure 12 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and 2450 MHz, DH5, iPA, Core 2 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

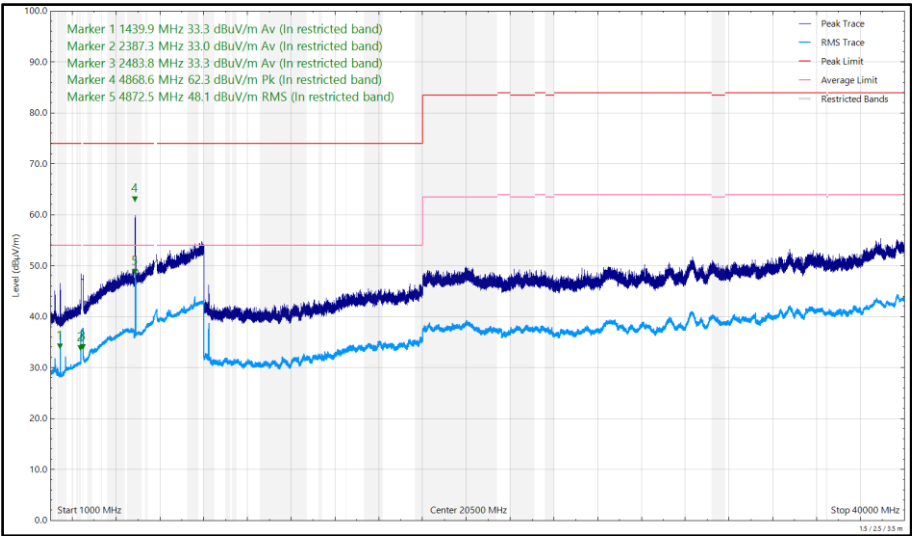


Figure 13 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and 2450 MHz, DH5, iPA, Core 2 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

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

Table 11

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
37.627	21.37	40.00	-18.63	Q-Peak	138	374	Horizontal
37.749	21.61	40.00	-18.39	Q-Peak	129	381	Vertical
162.038	21.73	43.50	-21.77	Q-Peak	247	103	Vertical
164.910	23.38	43.50	-20.12	Q-Peak	40	247	Horizontal
2387.534	33.43	54.00	-20.57	CISPR Avg	183	284	Vertical
2388.552	37.11	54.00	-16.89	CISPR Avg	192	100	Horizontal
2397.816	59.59	74.00	-14.41	Peak	68	174	Horizontal
2483.661	34.70	54.00	-19.30	CISPR Avg	131	369	Vertical
2483.849	38.68	54.00	-15.32	CISPR Avg	145	170	Horizontal
2483.899	55.71	74.00	-18.29	Peak	171	104	Horizontal
4867.920	62.40	74.00	-11.60	Peak	141	157	Horizontal
4870.991	60.57	74.00	-13.43	Peak	132	112	Vertical
4872.200	49.50	54.00	-4.50	RMS	346	102	Horizontal
4872.475	48.85	54.00	-5.15	RMS	126	137	Vertical
8067.721	31.59	54.00	-22.41	CISPR Avg	149	160	Horizontal
8078.210	36.30	54.00	-17.70	CISPR Avg	303	100	Vertical

Table 12 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2450 MHz (CH48), DH5, iPA, Core 2, 30 MHz to 40 GHz

No other emissions found within 20 dB of the limit.

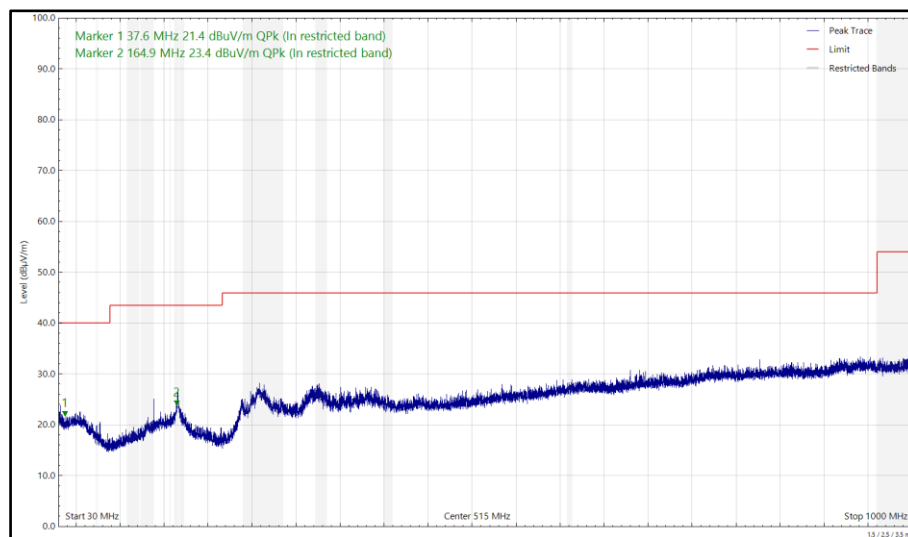


Figure 14 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2450 MHz (CH48), DH5, iPA, Core 2, 30 MHz to 1 GHz, Horizontal (Peak)

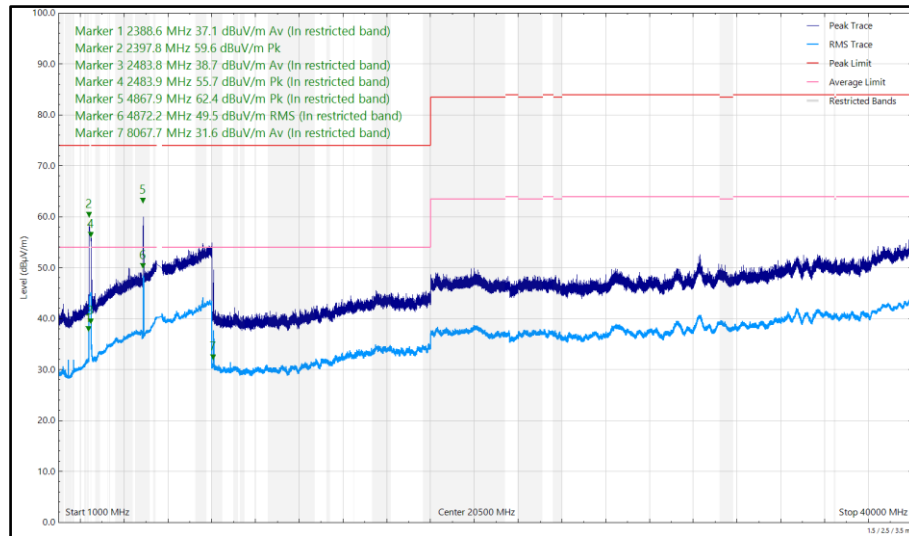


Figure 15 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2450 MHz (CH48), DH5, iPA, Core 2, 1 GHz to 40 GHz, Horizontal

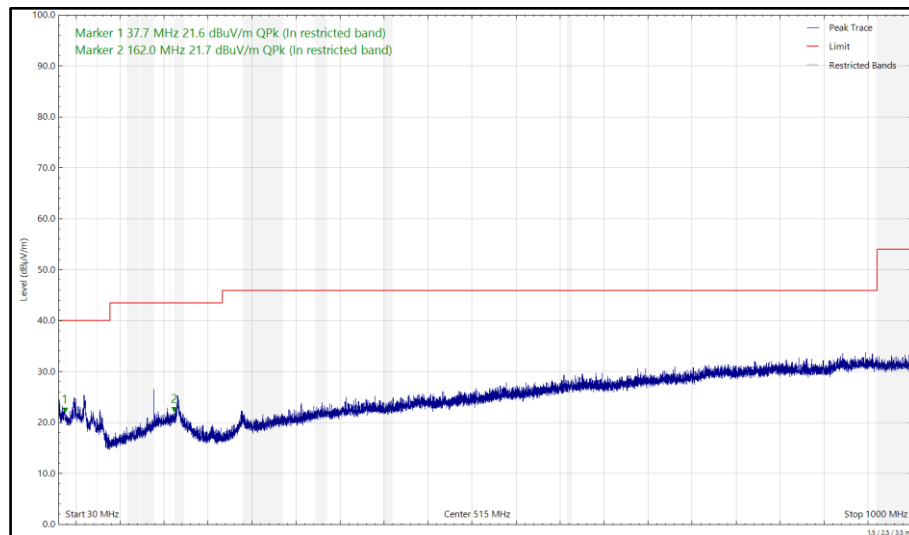


Figure 16 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2450 MHz (CH48), DH5, iPA, Core 2, 30 MHz to 1 GHz, Vertical (Peak)

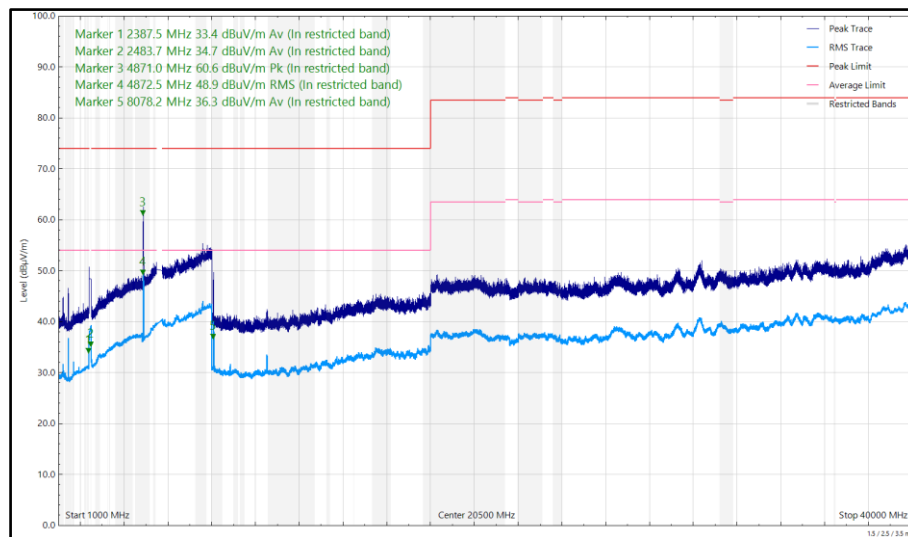


Figure 17 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2450 MHz (CH48), DH5, iPA, Core 2, 1 GHz to 40 GHz, Vertical

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

Table 13

2.4 GHz WLAN and 2.4 GHz Bluetooth and 6 GHz WLAN

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
38.146	21.47	40.00	-18.53	Q-Peak	178	232	Horizontal
38.159	21.55	40.00	-18.45	Q-Peak	60	118	Vertical
165.110	21.71	43.50	-21.79	Q-Peak	46	262	Vertical
1439.899	32.30	54.00	-21.70	CISPR Avg	286	319	Vertical
2388.305	36.71	54.00	-17.29	CISPR Avg	64	190	Horizontal
2398.151	35.37	68.20	-32.50	CISPR Avg	134	290	Vertical
2484.026	34.14	54.00	-19.86	CISPR Avg	143	351	Vertical
2484.327	55.56	74.00	-18.44	Peak	179	103	Horizontal
2484.327	38.75	54.00	-15.25	CISPR Avg	179	103	Horizontal
4867.872	60.88	74.00	-13.12	Peak	131	110	Vertical
4868.521	60.97	74.00	-13.03	Peak	193	373	Horizontal
4873.011	47.66	54.00	-6.34	RMS	119	132	Vertical
4873.410	48.29	54.00	-5.71	RMS	213	100	Horizontal
9433.005	37.60	54.00	-16.40	CISPR Avg	115	310	Vertical
9433.310	36.51	54.00	-17.49	CISPR Avg	140	159	Horizontal

Table 14 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2450 MHz (CH48), DH5, iPA, Core 2, 30 MHz to 40 GHz

No other emissions found within 20 dB of the limit.

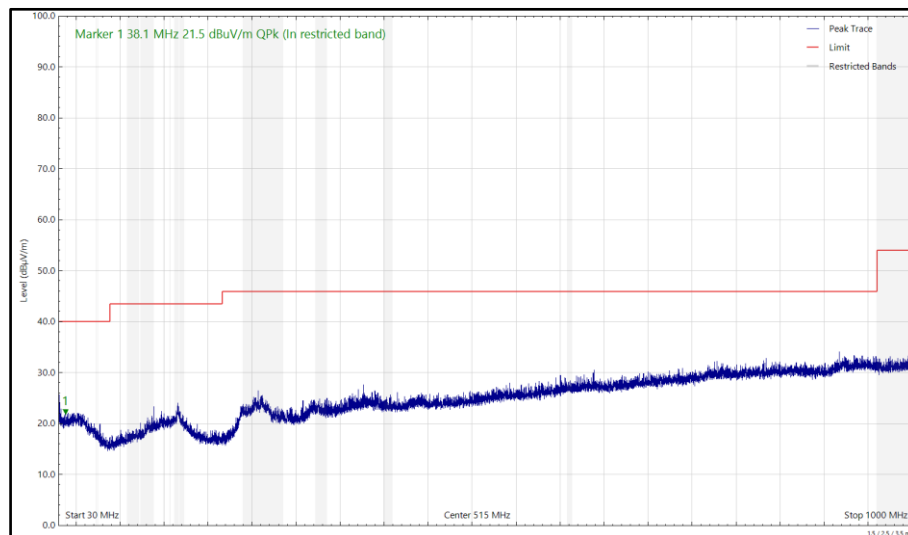


Figure 18 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2450 MHz (CH48), DH5, iPA, Core 2, 30 MHz to 1 GHz, Horizontal (Peak)

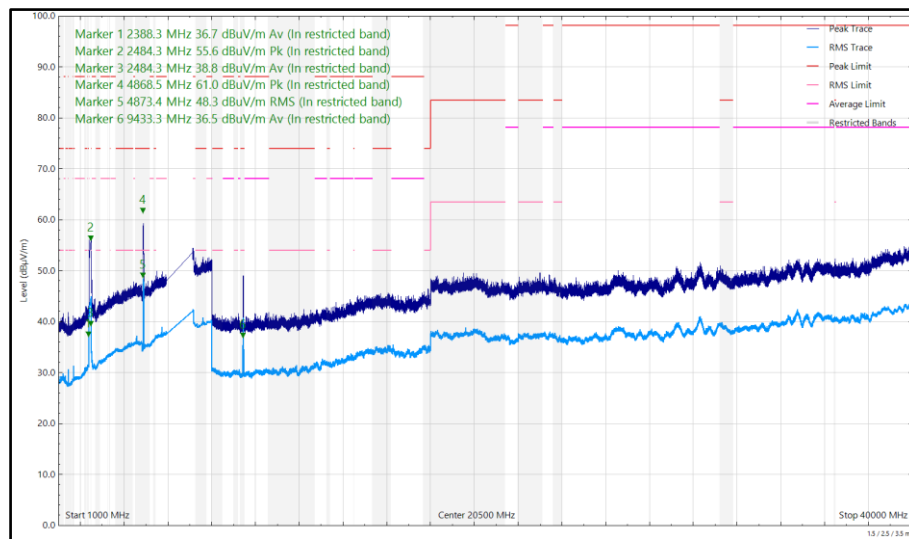


Figure 19 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2450 MHz (CH48), DH5, iPA, Core 2, 1 GHz to 40 GHz, Horizontal

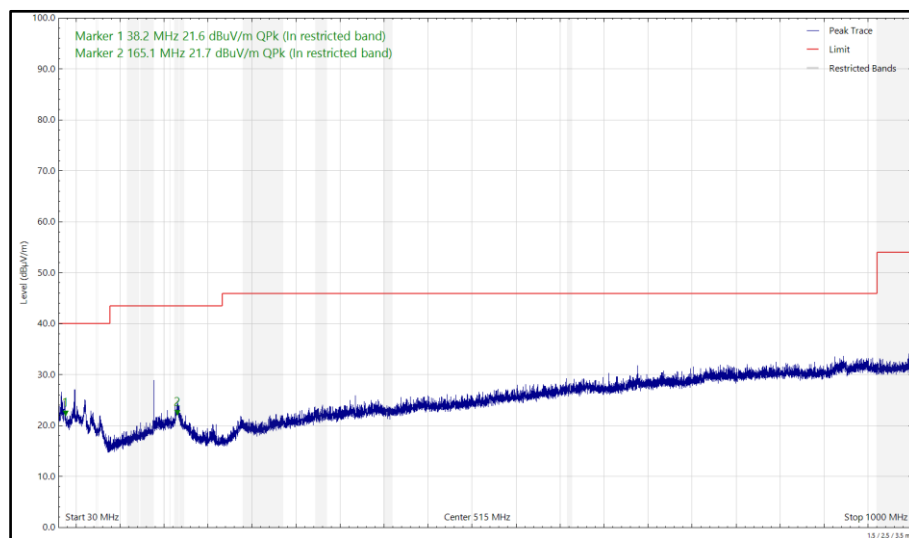


Figure 20 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2450 MHz (CH48), DH5, iPA, Core 2, 30 MHz to 1 GHz, Vertical (Peak)

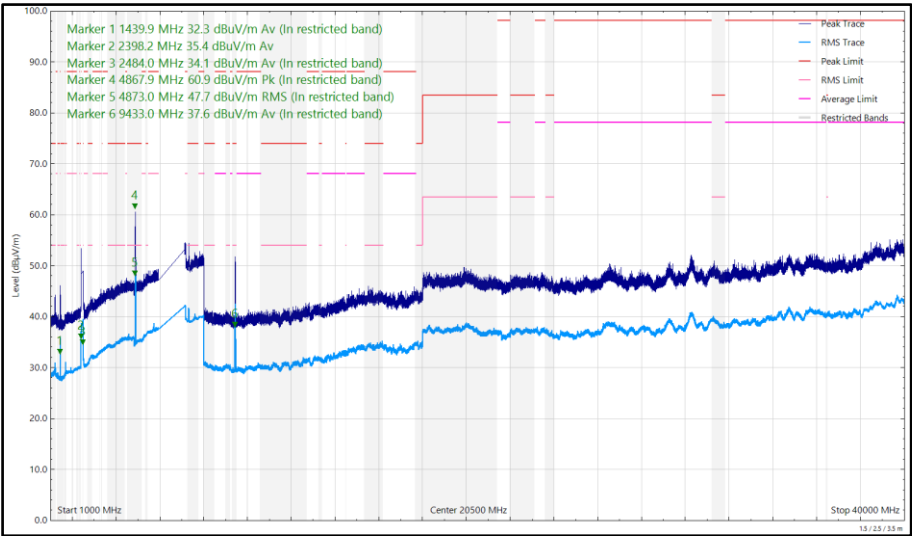


Figure 21 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2450 MHz (CH48), DH5, iPA, Core 2, 1 GHz to 40 GHz, Vertical

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 Clause 6.6	-20 dBc
Part 15.407 (b) / RSS-248 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 Clause 8.9	Peak: 74 dBuV/m at 3m, Average 54 dBuV/m at 3m (Restricted bands > 1 GHz)

Table 15

2.4 GHz Bluetooth and 5GHz Narrowband

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
37.907	21.37	40.00	-18.63	Q-Peak	291	394	Horizontal
38.755	21.66	40.00	-18.34	Q-Peak	350	243	Vertical
73.228	18.85	40.00	-21.15	Q-Peak	165	290	Vertical
166.452	22.06	43.50	-21.44	Q-Peak	226	391	Horizontal
166.706	24.09	43.50	-19.41	Q-Peak	241	101	Vertical
264.672	23.32	46.00	-22.68	Q-Peak	360	175	Horizontal
2389.209	31.33	54.00	-22.67	CISPR Avg	44	102	Horizontal
2483.754	31.74	54.00	-22.26	CISPR Avg	49	129	Horizontal
3347.897	31.18	54.00	-22.82	CISPR Avg	119	111	Horizontal
4881.752	39.50	54.00	-14.50	CISPR Avg	51	171	Vertical
4882.170	58.50	74.00	-15.50	Peak	167	259	Vertical
4882.350	61.51	74.00	-12.49	Peak	200	120	Horizontal
4882.367	42.51	54.00	-11.49	CISPR Avg	204	120	Horizontal
5447.136	33.68	54.00	-20.32	CISPR Avg	218	346	Vertical
8228.970	41.54	54.00	-12.46	CISPR Avg	208	113	Horizontal
8229.320	38.57	54.00	-15.43	CISPR Avg	147	139	Vertical

Table 16 - 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.

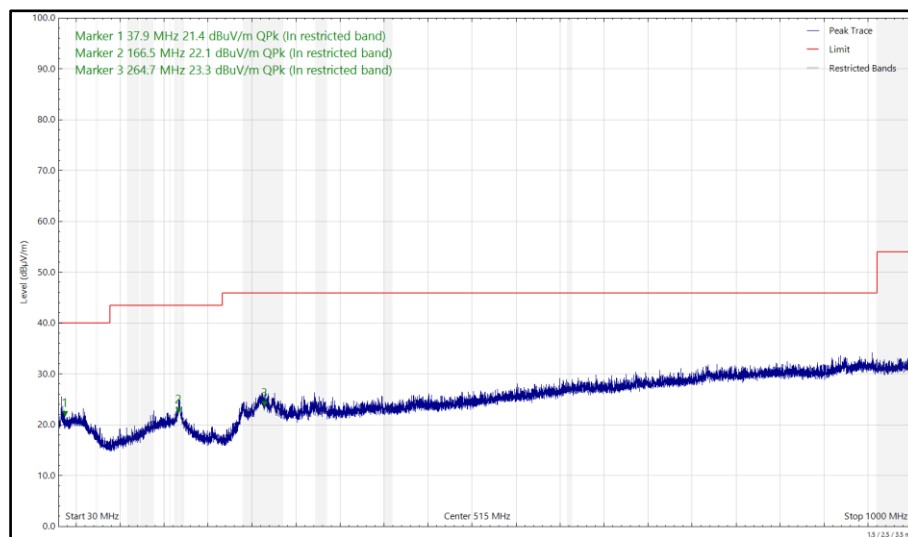


Figure 22 - 2441 MHz, DH5, ePA, Core 0 + Core 1 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

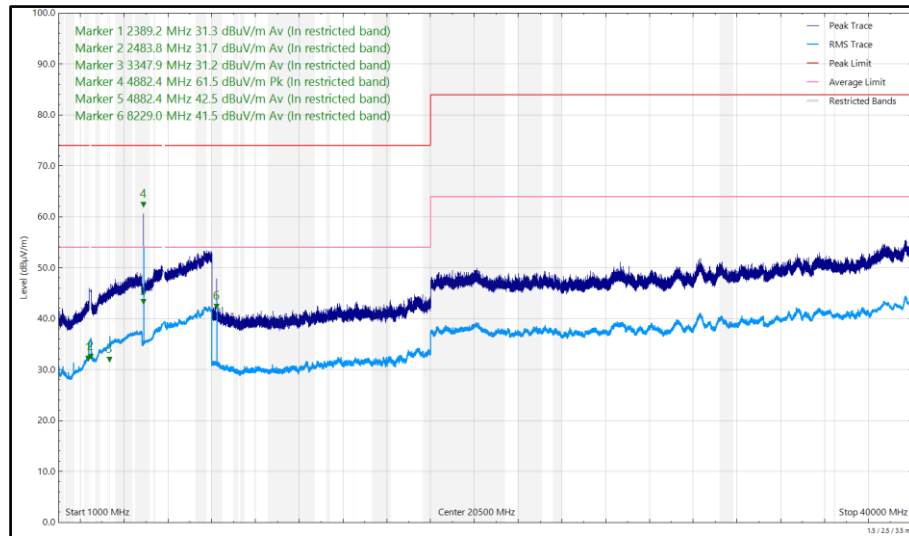


Figure 23 - 2441 MHz, DH5, ePA, Core 0 + Core 1 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

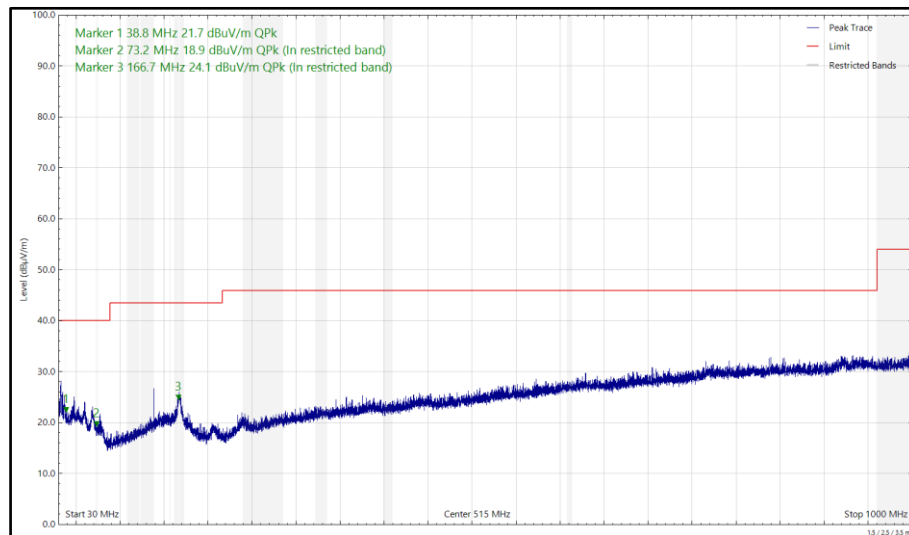


Figure 24 - 2441 MHz, DH5, ePA, Core 0 + Core 1 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

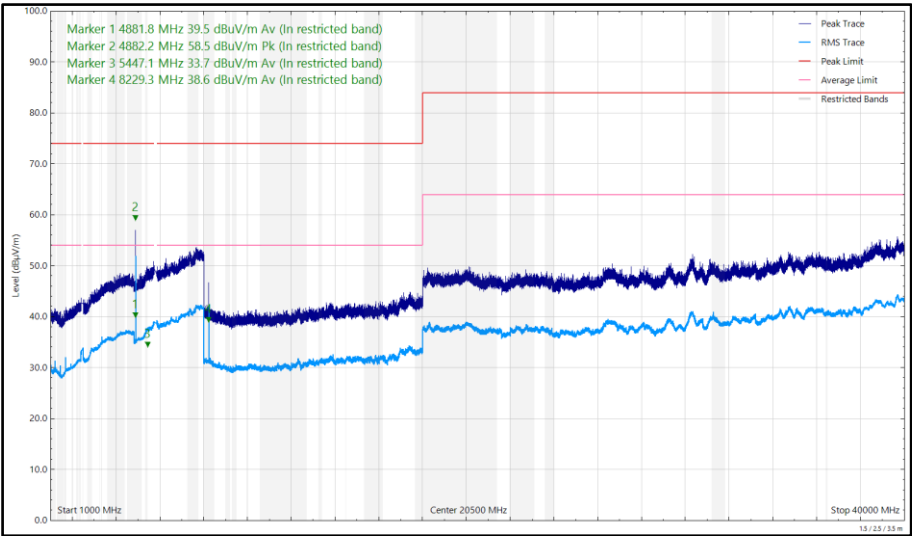


Figure 25 - 2441 MHz, DH5, ePA, Core 0 + Core 1 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

FCC 47 CFR Part 15, ISED RSS-247 & 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 Clause 5.5	-30 dBc
Part 15.407 (b) / RSS-247 Clause 6.2	-27 dBm e.i.r.p

Table 17

2.4 GHz Bluetooth and 5GHz Narrowband and Thread

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
37.509	21.36	40.00	-18.64	Q-Peak	204	308	Horizontal
75.047	18.98	40.00	-21.02	Q-Peak	86	118	Vertical
165.253	22.01	43.50	-21.49	Q-Peak	23	347	Horizontal
165.744	22.51	43.50	-20.99	Q-Peak	247	153	Vertical
264.538	23.06	46.00	-22.94	Q-Peak	201	113	Horizontal
2282.115	59.44	74.00	-14.56	Peak	171	367	Vertical
2282.321	33.55	54.00	-20.45	CISPR Avg	254	348	Horizontal
2282.336	58.69	74.00	-15.31	Peak	246	344	Horizontal
2282.531	33.70	54.00	-20.30	CISPR Avg	169	371	Vertical
2483.566	35.63	54.00	-18.37	CISPR Avg	258	298	Horizontal
2483.607	60.34	74.00	-13.66	Peak	161	340	Vertical
2484.833	60.19	74.00	-13.81	Peak	257	293	Horizontal
2484.858	35.14	54.00	-18.86	CISPR Avg	164	392	Vertical
2557.486	63.54	74.00	-10.46	Peak	219	112	Horizontal
2558.426	61.97	74.00	-12.03	Peak	160	291	Vertical
4899.638	41.61	54.00	-12.39	CISPR Avg	202	136	Horizontal
4899.690	57.78	74.00	-16.22	Peak	46	145	Vertical
4899.780	60.61	74.00	-13.39	Peak	203	141	Horizontal
4899.870	38.78	54.00	-15.22	CISPR Avg	354	101	Vertical
8238.230	38.72	54.00	-15.28	CISPR Avg	273	147	Vertical
8238.240	31.41	54.00	-22.59	CISPR Avg	155	213	Horizontal

Table 18 - 2430 MHz (CH16), Thread, Core 3 and 2450 MHz (CH48), 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.

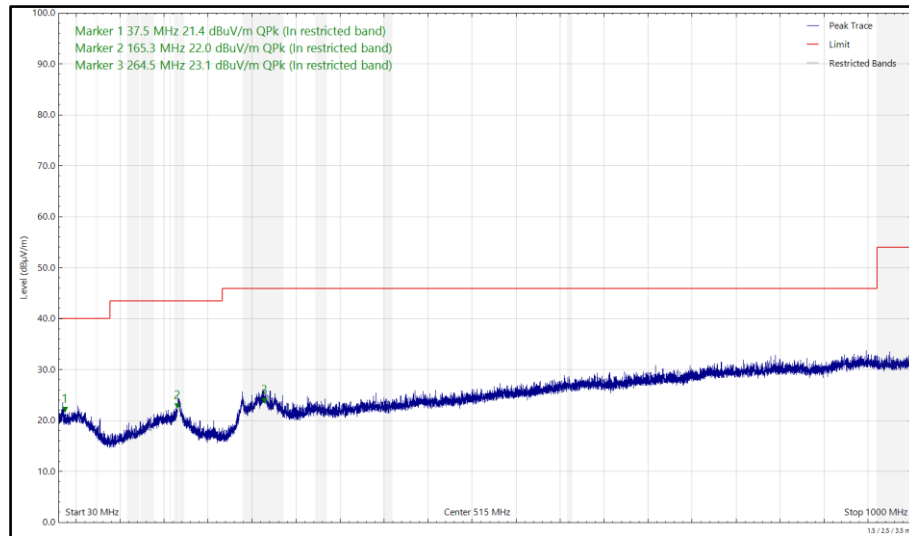


Figure 26 - 2430 MHz (CH16), Thread, Core 3 and 2450 MHz (CH48), DH5, ePA, Core 0 + Core 1 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

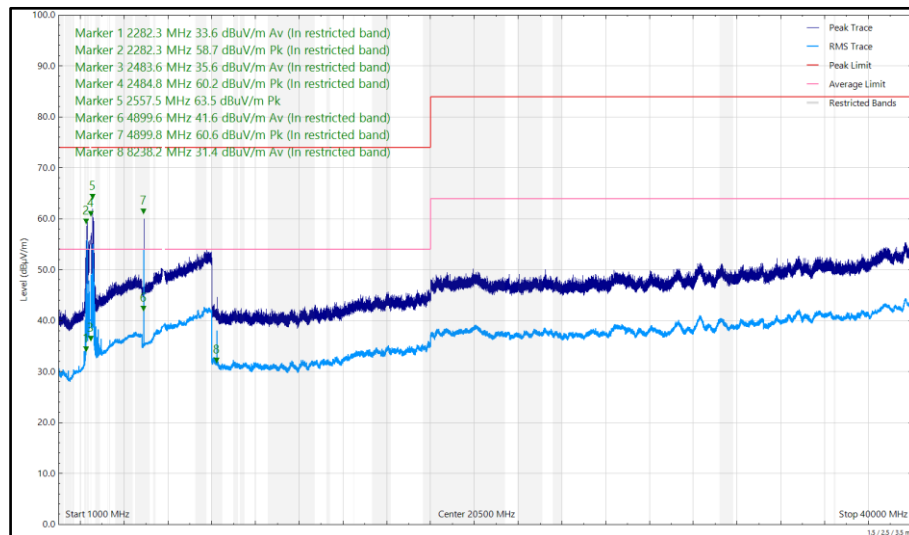


Figure 27 - 2430 MHz (CH16), Thread, Core 3 and 2450 MHz (CH48), DH5, ePA, Core 0 + Core 1 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

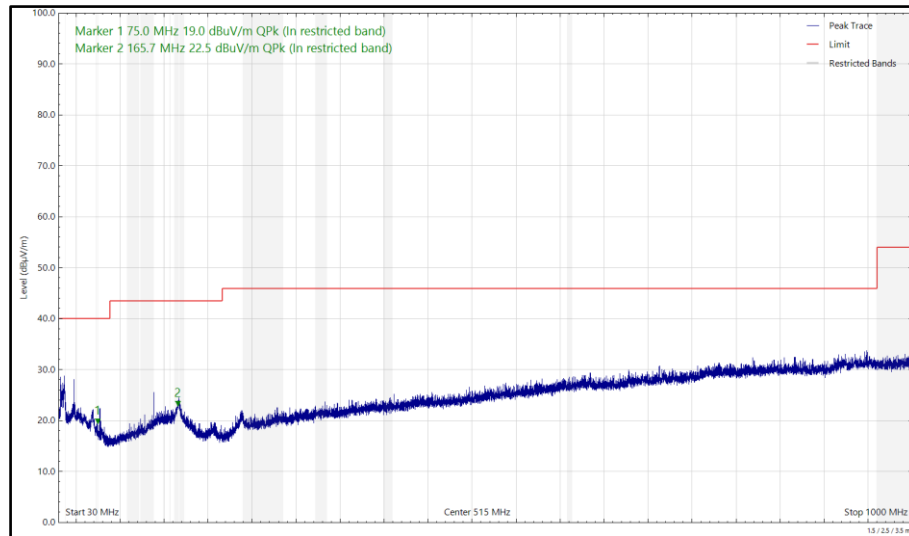


Figure 28 - 2430 MHz (CH16), Thread, Core 3 and 2450 MHz (CH48), DH5, ePA, Core 0 + Core 1 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

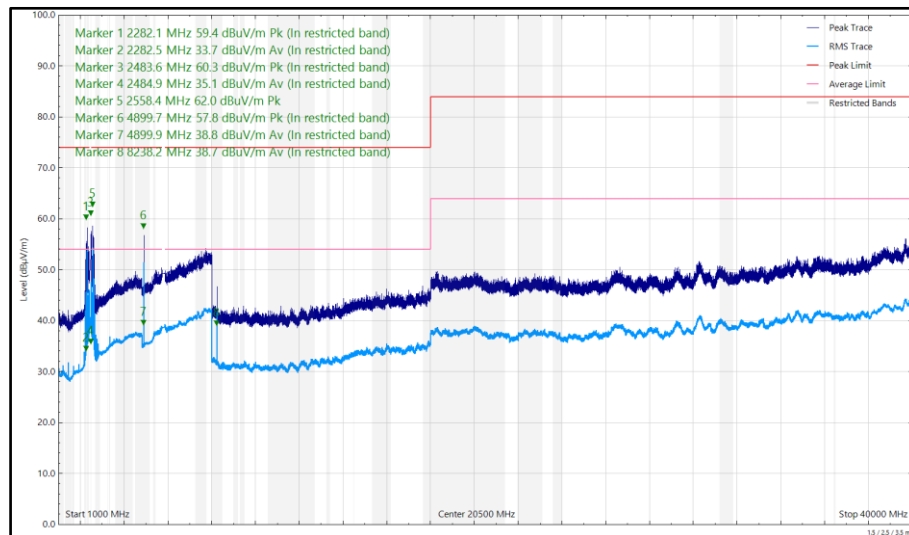


Figure 29 - 2430 MHz (CH16), Thread, Core 3 and 2450 MHz (CH48), DH5, ePA, Core 0 + Core 1 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
137.761	20.41	43.50	-23.09	Q-Peak	163	236	Vertical
166.573	24.15	43.50	-19.35	Q-Peak	159	107	Vertical
166.617	22.74	43.50	-20.76	Q-Peak	229	340	Horizontal
257.556	24.53	46.00	-21.47	Q-Peak	337	129	Horizontal
2238.080	36.94	54.00	-17.06	CISPR Avg	161	400	Vertical
2282.178	57.49	74.00	-16.51	Peak	167	206	Vertical
2282.252	59.73	74.00	-14.27	Peak	264	351	Horizontal
2282.371	34.07	54.00	-19.93	CISPR Avg	257	351	Horizontal
2493.481	59.06	74.00	-14.94	Peak	218	184	Horizontal
2494.077	57.16	74.00	-16.84	Peak	140	400	Vertical
2494.590	41.12	54.00	-12.88	CISPR Avg	216	150	Horizontal
2494.625	40.07	54.00	-13.93	CISPR Avg	162	400	Vertical
2558.010	64.67	74.00	-9.33	Peak	218	155	Horizontal
2558.417	61.71	74.00	-12.29	Peak	154	258	Vertical

Table 19 - 2430 MHz (CH16), Thread, Core 3 and 2450 MHz (CH48), 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.

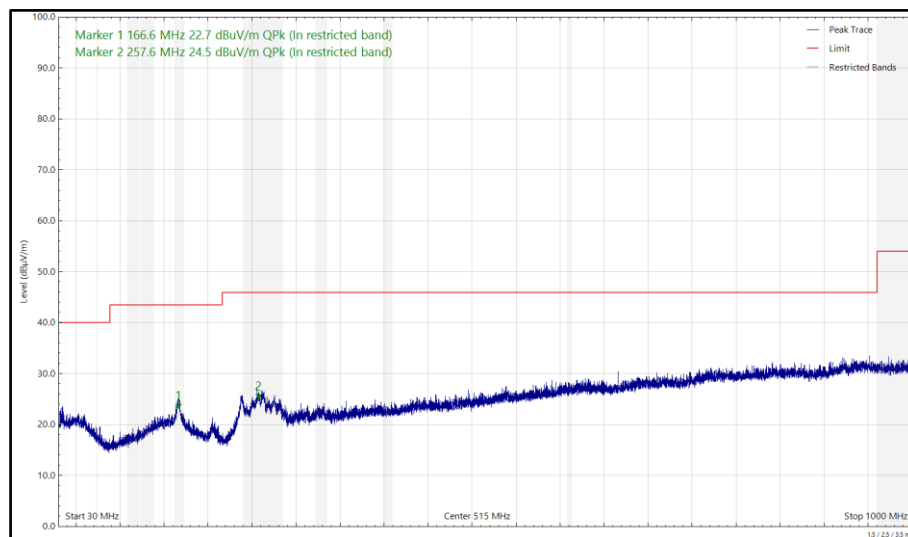


Figure 30 - 2430 MHz (CH16), Thread, Core 3 and 2450 MHz (CH48), DH5, iPA, Core 2 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

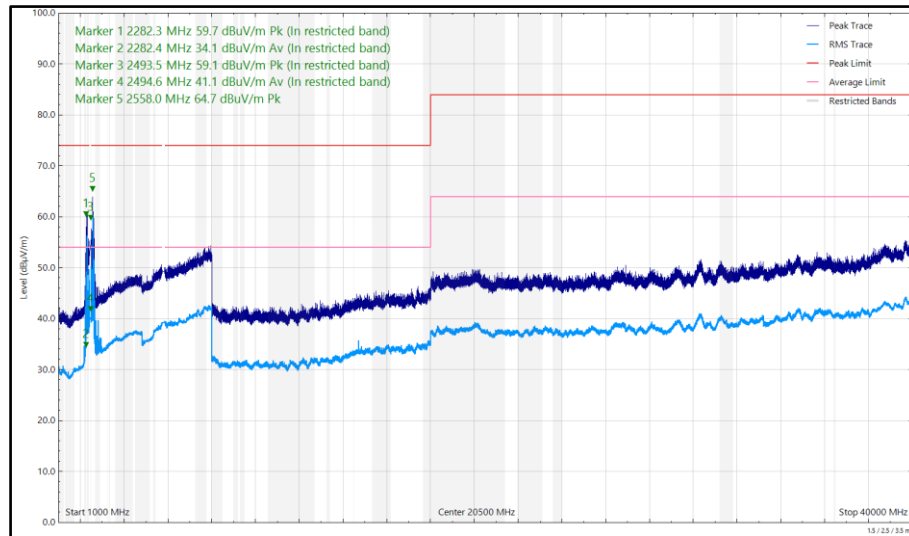


Figure 31 - 2430 MHz (CH16), Thread, Core 3 and 2450 MHz (CH48), DH5, iPA, Core 2 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

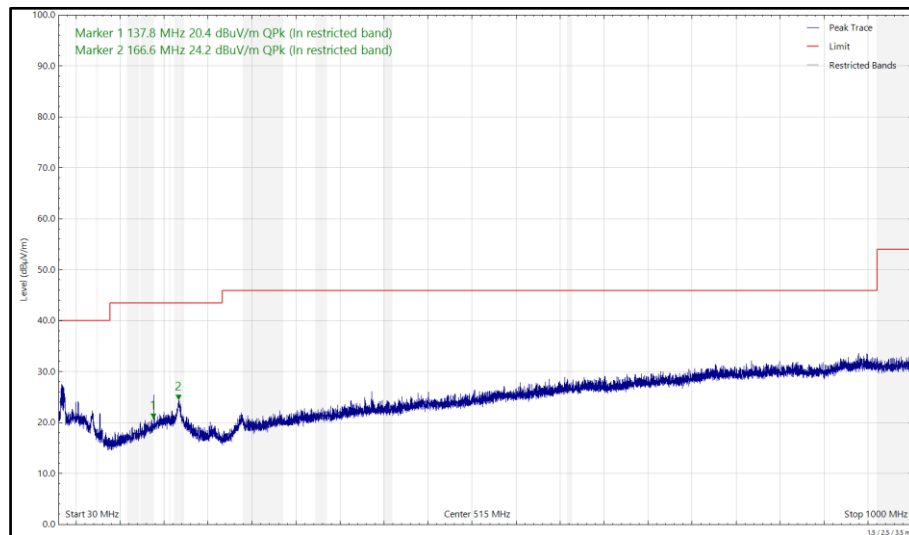


Figure 32 - 2430 MHz (CH16), Thread, Core 3 and 2450 MHz (CH48), DH5, iPA, Core 2 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

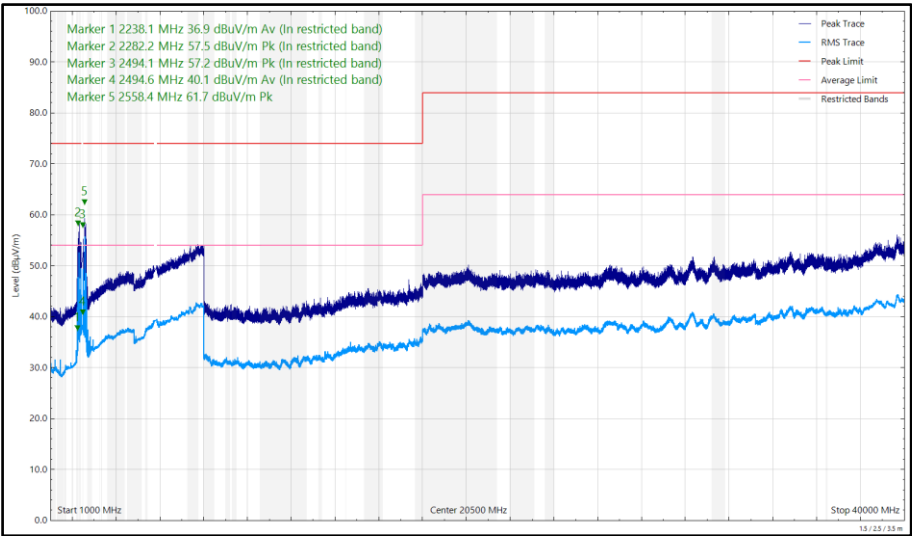


Figure 33 - 2430 MHz (CH16), Thread, Core 3 and 2450 MHz (CH48), DH5, iPA, Core 2 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

FCC 47 CFR Part 15, ISED RSS-247, 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 Clause 6.6	-30 dBc
Part 15.407 (b) / RSS-247 Clause 6.6, 7.3.4.4	-27 dBm e.i.r.p
Part 15.209 / RSS-GEN Clause 8.9	Peak: 74 dBuV/m at 3m, Average 54 dBuV/m at 3m (Restricted bands > 1 GHz)

Table 20



2.4 GHz Bluetooth and Thread and 5 GHz WLAN

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
37.676	21.47	40.00	-18.53	Q-Peak	351	400	Horizontal
37.679	22.23	40.00	-17.77	Q-Peak	333	206	Vertical
74.902	19.01	40.00	-20.99	Q-Peak	71	156	Vertical
134.662	20.14	43.50	-23.36	Q-Peak	360	268	Vertical
168.301	21.59	43.50	-21.91	Q-Peak	1	100	Horizontal
261.783	23.23	46.00	-22.77	Q-Peak	357	102	Horizontal
2282.416	56.06	74.00	-17.94	Peak	171	237	Vertical
2284.486	57.18	74.00	-16.82	Peak	192	161	Horizontal
2365.755	36.21	54.00	-17.79	CISPR Avg	157	177	Vertical
2365.780	39.38	54.00	-14.62	CISPR Avg	247	383	Horizontal
2483.911	33.44	54.00	-20.56	CISPR Avg	154	334	Vertical
2484.079	34.98	54.00	-19.02	CISPR Avg	213	158	Horizontal
2484.376	59.73	74.00	-14.27	Peak	253	387	Horizontal
2484.689	57.73	74.00	-16.27	Peak	154	371	Vertical
2558.084	61.36	74.00	-12.64	Peak	161	354	Vertical
2558.371	62.21	74.00	-11.79	Peak	201	104	Horizontal
4899.660	47.36	54.00	-6.64	CISPR Avg	199	154	Horizontal
4899.751	56.50	74.00	-17.50	Peak	0	182	Vertical
4900.395	44.68	54.00	-9.32	CISPR Avg	53	156	Vertical
4900.519	60.13	74.00	-13.87	Peak	199	157	Horizontal
8088.025	31.21	54.00	-22.79	CISPR Avg	153	193	Horizontal
8089.646	31.81	54.00	-22.19	CISPR Avg	261	128	Vertical

Table 21 - 2430 MHz (CH16), Thread, Core 3 and 2450 MHz (CH48), DH5, ePA, Core 0 + Core 1 and 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1, 30 MHz to 40 GHz

No other emissions found within 20 dB of the limit.

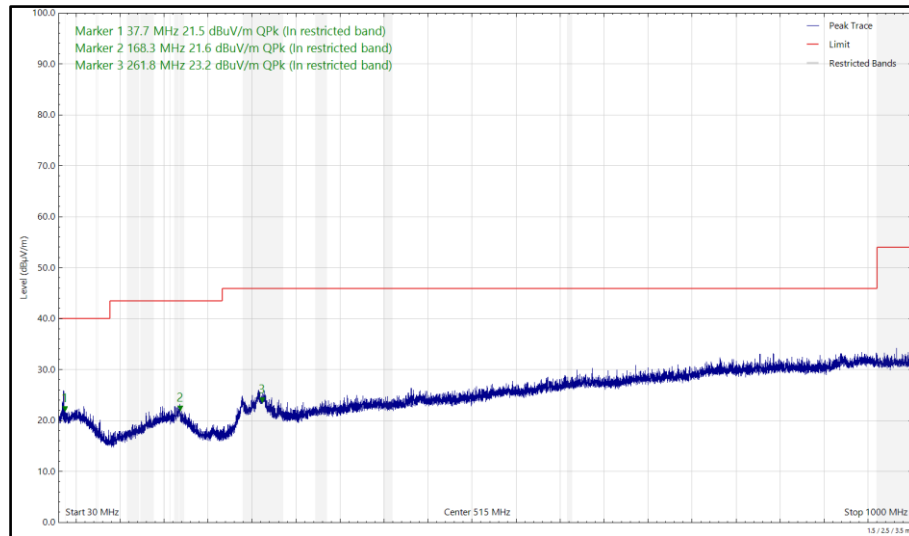


Figure 34 - 2430 MHz (CH16), Thread, Core 3 and 2450 MHz (CH48), DH5, ePA, Core 0 + Core 1 and 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

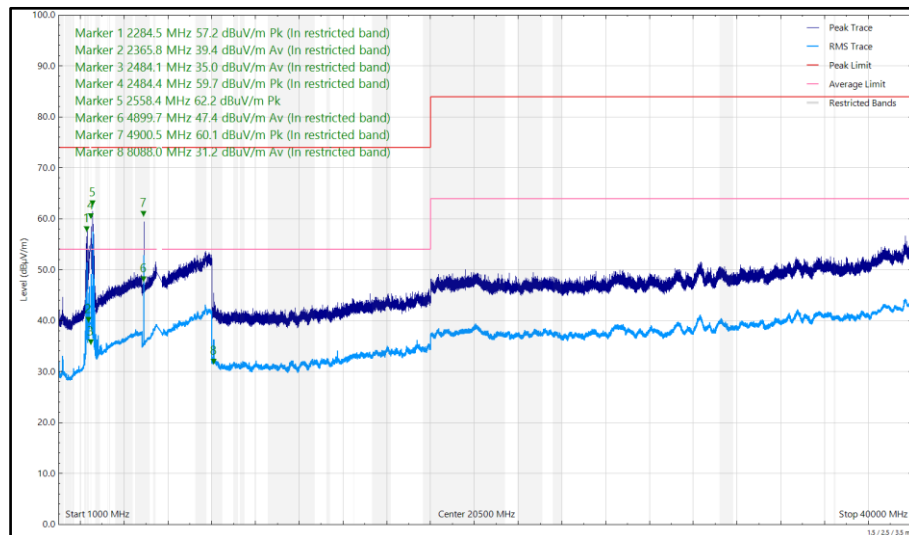


Figure 35 - 2430 MHz (CH16), Thread, Core 3 and 2450 MHz (CH48), DH5, ePA, Core 0 + Core 1 and 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

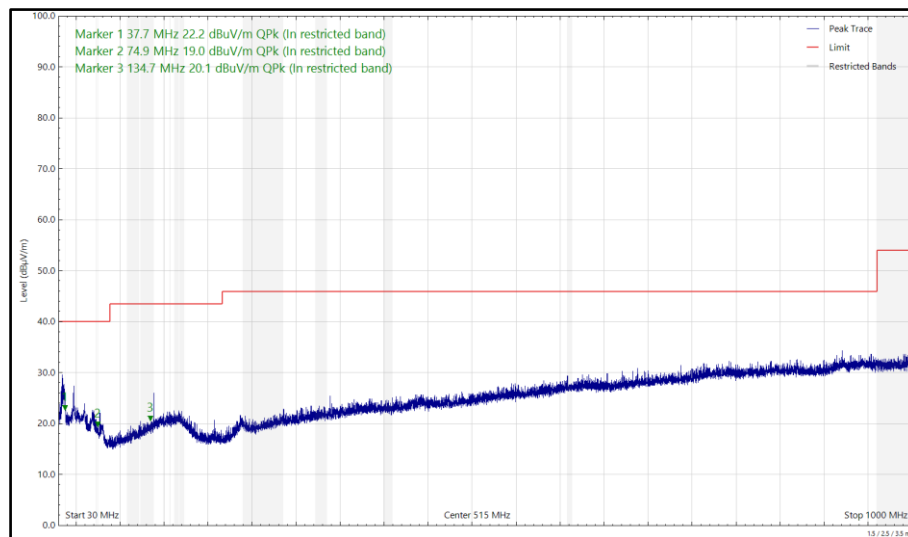


Figure 36 - 2430 MHz (CH16), Thread, Core 3 and 2450 MHz (CH48), DH5, ePA, Core 0 + Core 1 and 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

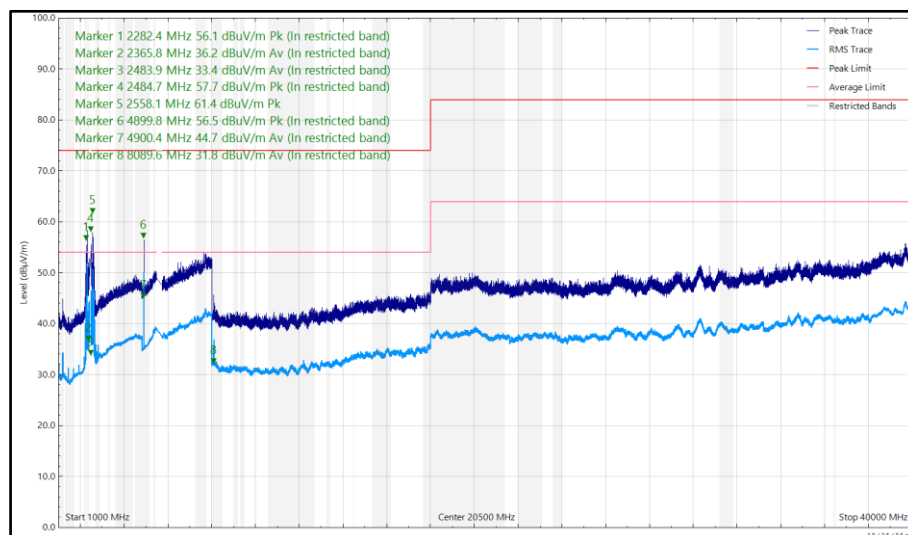


Figure 37 - 2430 MHz (CH16), Thread, Core 3 and 2450 MHz (CH48), DH5, ePA, Core 0 + Core 1 and 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
37.872	21.35	40.00	-18.65	Q-Peak	33	100	Horizontal
38.227	21.44	40.00	-18.56	Q-Peak	350	390	Vertical
164.136	21.93	43.50	-21.57	Q-Peak	37	321	Horizontal
164.289	21.61	43.50	-21.89	Q-Peak	196	268	Vertical
260.951	24.29	46.00	-21.71	Q-Peak	343	121	Horizontal
2283.748	56.95	74.00	-17.05	Peak	148	364	Vertical
2283.748	32.31	54.00	-21.69	CISPR Avg	148	364	Vertical
2283.786	32.81	54.00	-21.19	CISPR Avg	210	182	Horizontal
2286.615	57.61	74.00	-16.39	Peak	240	256	Horizontal
2365.191	35.75	54.00	-18.25	CISPR Avg	148	381	Vertical
2366.335	39.39	54.00	-14.61	CISPR Avg	241	217	Horizontal
2494.116	39.53	54.00	-14.47	CISPR Avg	175	335	Vertical
2558.343	59.96	74.00	-14.04	Peak	170	357	Vertical
2558.463	62.02	74.00	-11.98	Peak	214	169	Horizontal

Table 22 - 2430 MHz (CH16), Thread, Core 3 and 2450 MHz (CH48), DH5, iPA, Core 2 and 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1, 30 MHz to 40 GHz

No other emissions found within 20 dB of the limit.

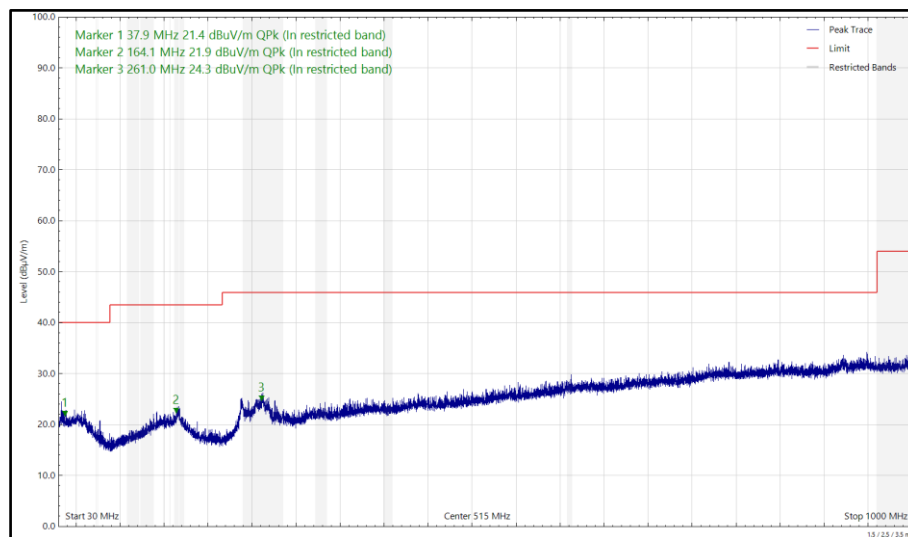


Figure 38 - 2430 MHz (CH16), Thread, Core 3 and 2450 MHz (CH48), DH5, iPA, Core 2 and 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

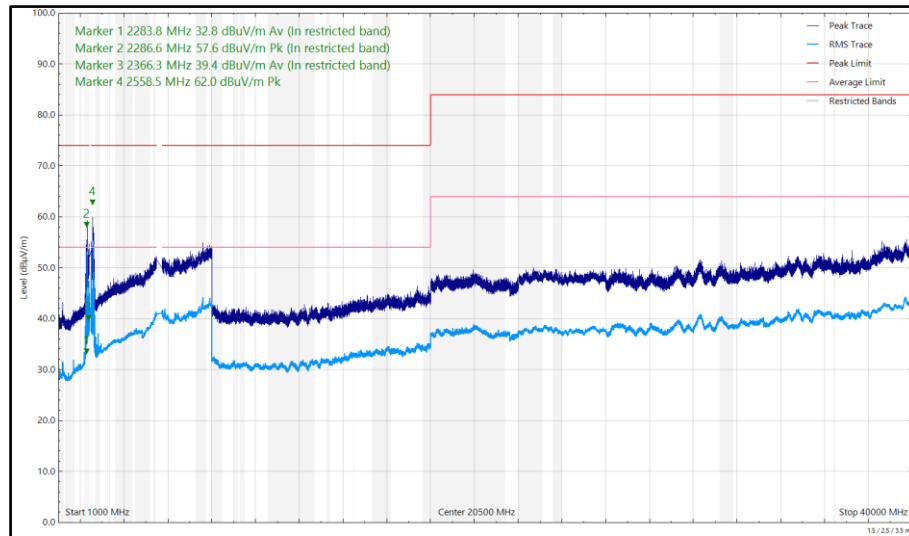


Figure 39 - 2430 MHz (CH16), Thread, Core 3 and 2450 MHz (CH48), DH5, iPA, Core 2 and 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

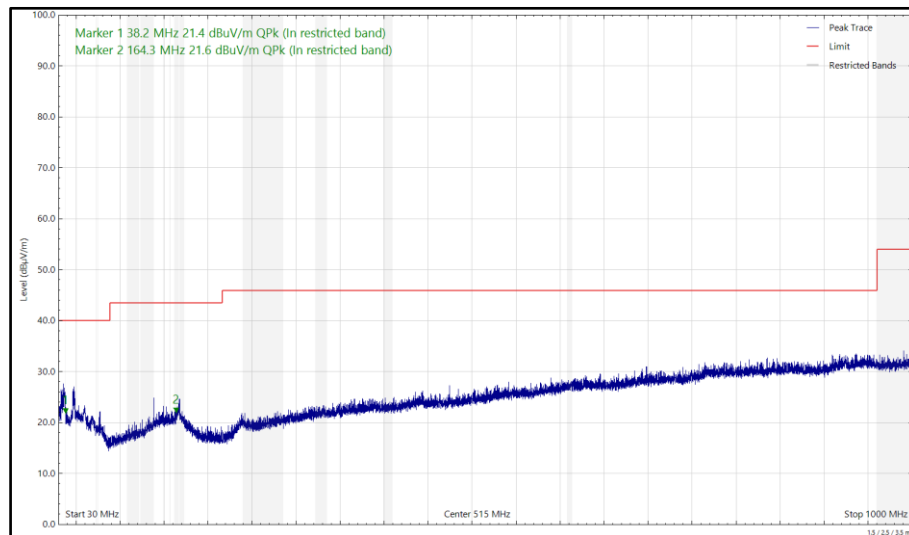


Figure 40 - 2430 MHz (CH16), Thread, Core 3 and 2450 MHz (CH48), DH5, iPA, Core 2 and 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

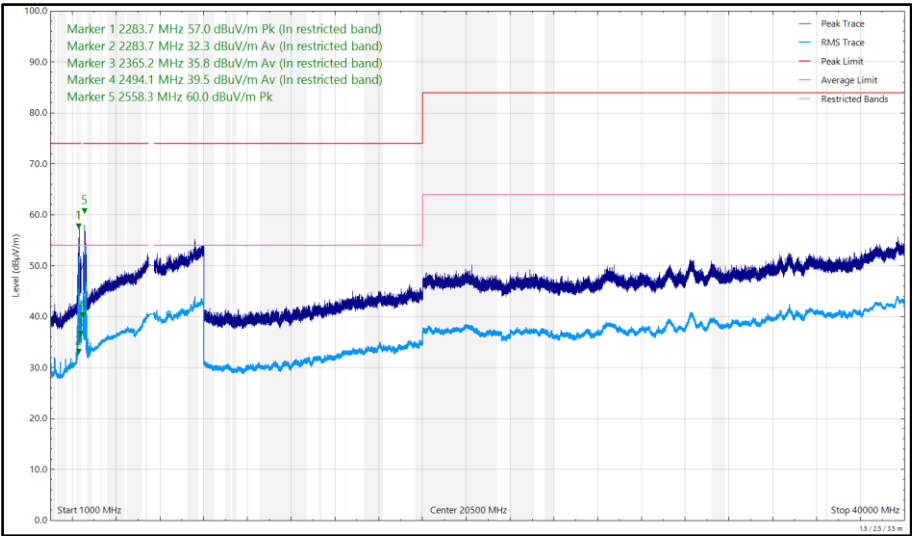


Figure 41 - 2430 MHz (CH16), Thread, Core 3 and 2450 MHz (CH48), DH5, iPA, Core 2 and 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

FCC 47 CFR Part 15 and ISCED RSS-247 and 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 Clause 5.5	-20 dBc / -30 dBc
Part 15.209 / RSS-GEN Clause 8.9	Peak: 74 dBμV/m at 3m, Average 54 dBμV/m at 3m (Restricted bands > 1 GHz)

Table 23



2.4 GHz Bluetooth and Thread and 6 GHz WLAN

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
37.511	21.87	40.00	-18.13	Q-Peak	355	193	Vertical
38.169	21.49	40.00	-18.51	Q-Peak	169	345	Horizontal
73.473	19.14	40.00	-20.86	Q-Peak	231	181	Vertical
137.390	20.49	43.50	-23.01	Q-Peak	354	161	Vertical
165.800	21.56	43.50	-21.94	Q-Peak	164	164	Horizontal
263.151	20.71	46.00	-25.29	Q-Peak	1	256	Horizontal
2282.692	56.70	74.00	-17.30	Peak	149	357	Vertical
2283.839	57.83	74.00	-16.17	Peak	250	400	Horizontal
2301.643	59.09	88.20	-29.11	Peak	149	350	Vertical
2302.542	60.85	88.20	-27.35	Peak	249	400	Horizontal
2365.839	37.58	54.00	-16.42	CISPR Avg	154	332	Vertical
2367.330	32.66	54.00	-21.34	CISPR Avg	207	151	Horizontal
2558.278	62.25	88.20	-25.95	Peak	213	139	Horizontal
2558.339	61.27	88.20	-26.93	Peak	162	355	Vertical
4899.657	60.80	74.00	-13.20	Peak	200	191	Horizontal
4900.210	41.80	54.00	-12.20	CISPR Avg	200	195	Horizontal
4900.303	57.01	74.00	-16.99	Peak	0	198	Vertical
4900.303	45.66	54.00	-8.34	CISPR Avg	0	198	Vertical
9448.080	34.15	54.00	-19.85	CISPR Avg	5	101	Vertical
9448.095	31.78	54.00	-22.22	CISPR Avg	156	185	Horizontal

Table 24 - 2430 MHz (CH16), Thread, Core 3 and 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2450 MHz (CH48), DH5, ePA, Core 0 + Core 1, 30 MHz to 40 GHz

No other emissions found within 20 dB of the limit.

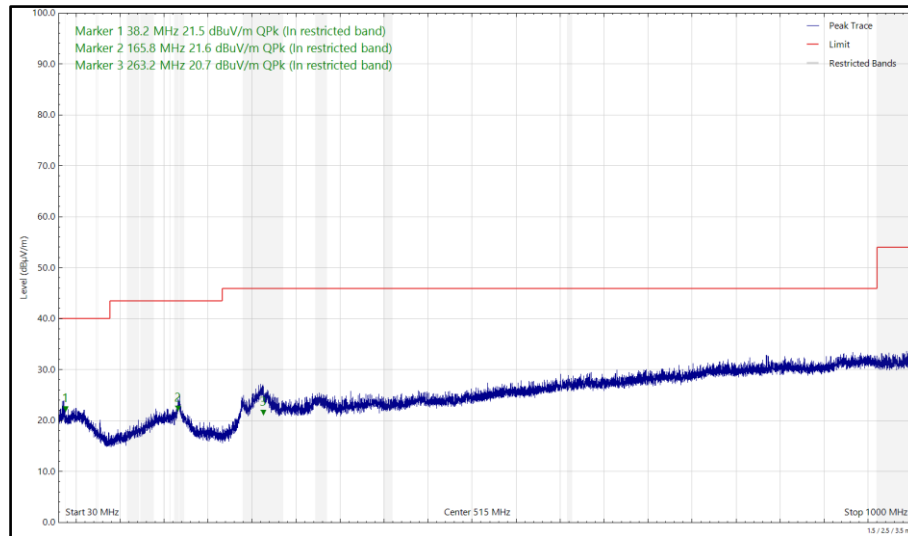


Figure 42 - 2430 MHz (CH16), Thread, Core 3 and 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2450 MHz (CH48), DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

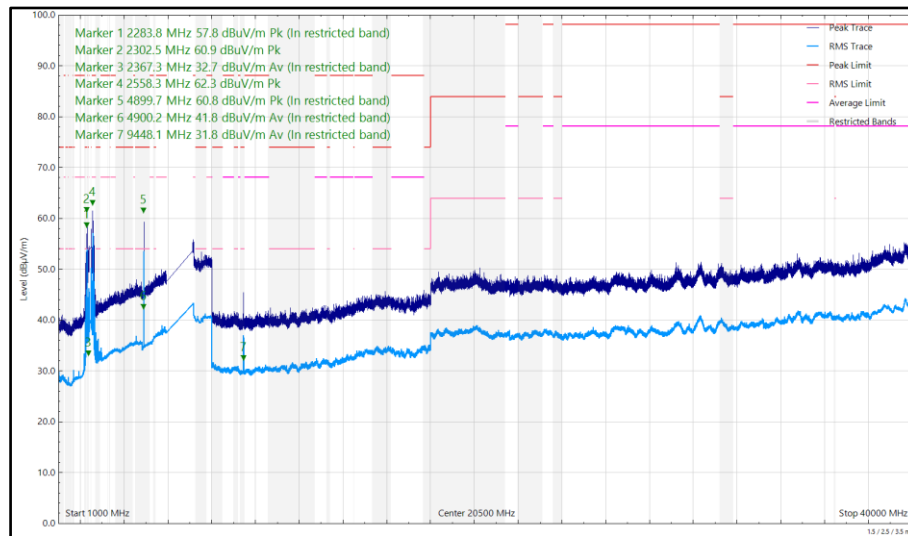


Figure 43 - 2430 MHz (CH16), Thread, Core 3 and 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2450 MHz (CH48), DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

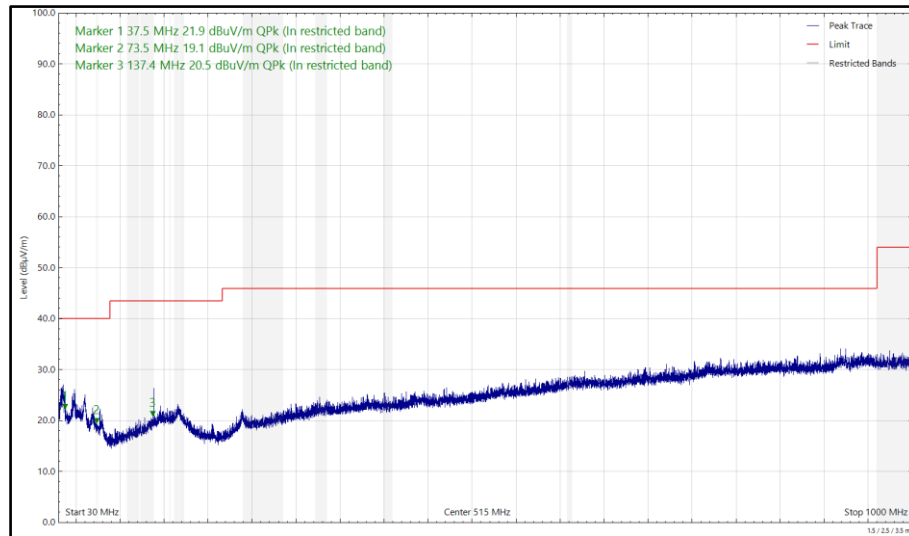


Figure 44 - 2430 MHz (CH16), Thread, Core 3 and 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2450 MHz (CH48), DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

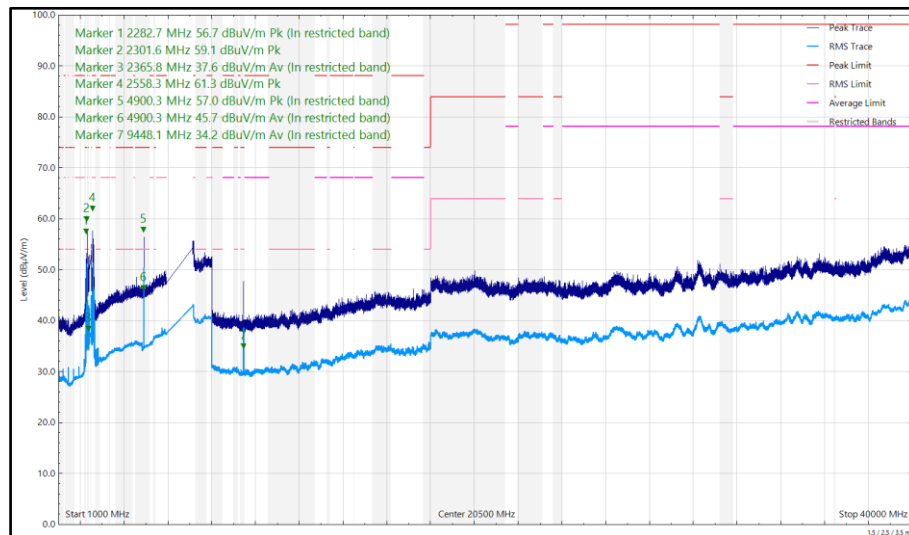


Figure 45 - 2430 MHz (CH16), Thread, Core 3 and 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2450 MHz (CH48), DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
73.913	18.87	40.00	-21.13	Q-Peak	9	400	Vertical
136.752	20.32	43.50	-23.18	Q-Peak	150	390	Vertical
166.636	21.91	43.50	-21.59	Q-Peak	263	100	Horizontal
261.588	23.57	46.00	-22.43	Q-Peak	350	126	Horizontal
2282.346	58.16	74.00	-15.84	Peak	237	264	Horizontal
2282.444	57.54	74.00	-16.46	Peak	147	363	Vertical
2302.484	59.79	88.20	-28.41	Peak	150	353	Vertical
2302.622	60.85	88.20	-27.35	Peak	212	158	Horizontal
2366.535	38.94	54.00	-15.06	CISPR Avg	242	379	Horizontal
2366.670	36.42	54.00	-17.58	CISPR Avg	154	331	Vertical
2557.602	60.67	88.20	-27.53	Peak	172	289	Vertical
2557.639	62.37	88.20	-25.83	Peak	214	164	Horizontal

Table 25 - 2430 MHz (CH16), Thread, Core 3 and 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2450 MHz (CH48), DH5, iPA, Core 2, 30 MHz to 40 GHz

No other emissions found within 20 dB of the limit.

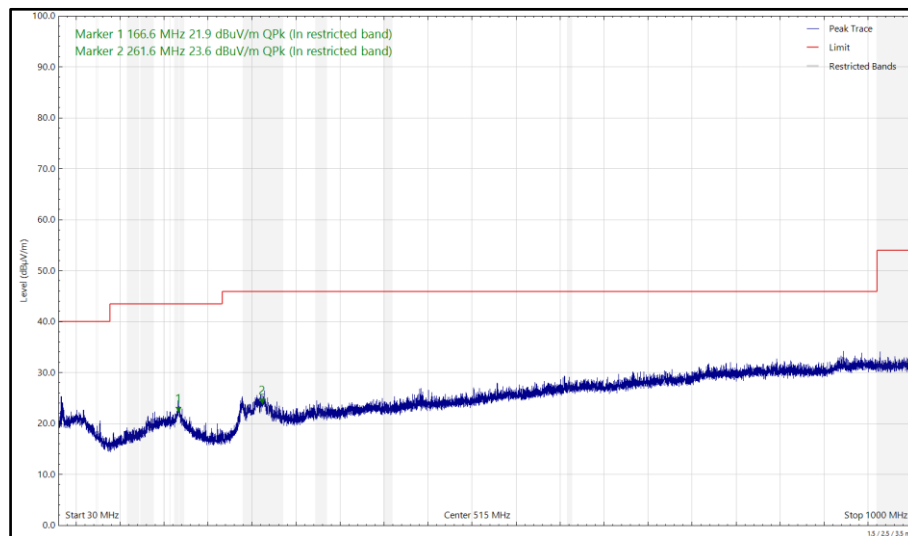


Figure 46 - 2430 MHz (CH16), Thread, Core 3 and 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2450 MHz (CH48), DH5, iPA, Core 2, 30 MHz to 1 GHz, Horizontal (Peak)

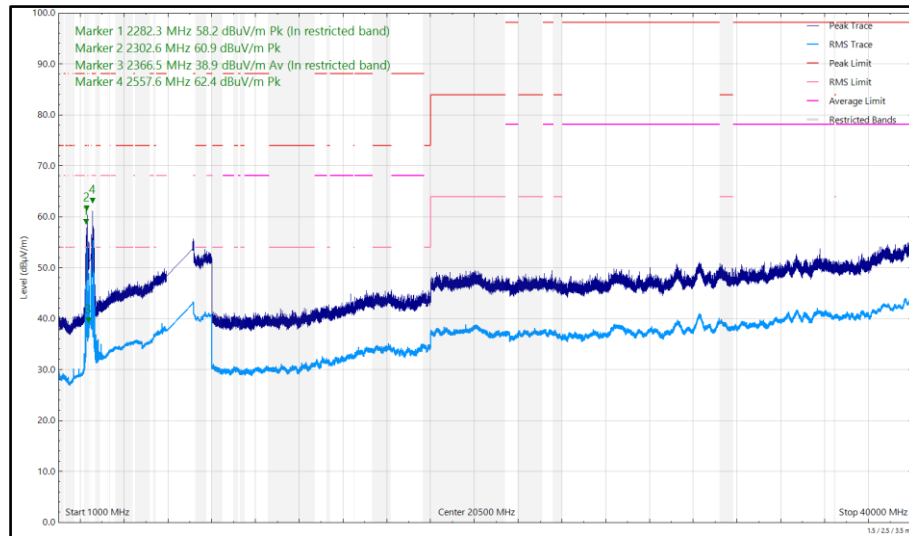


Figure 47 - 2430 MHz (CH16), Thread, Core 3 and 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2450 MHz (CH48), DH5, iPA, Core 2, 1 GHz to 40 GHz, Horizontal

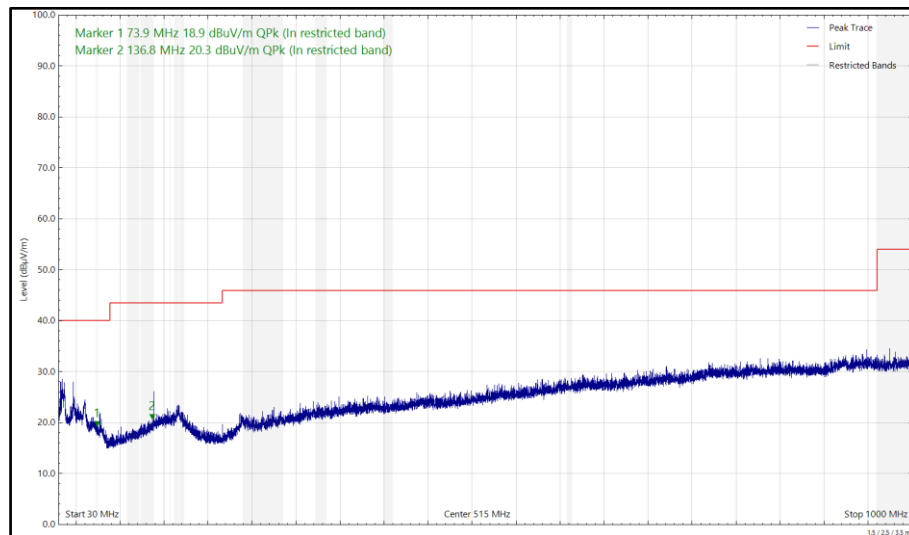


Figure 48 - 2430 MHz (CH16), Thread, Core 3 and 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2450 MHz (CH48), DH5, iPA, Core 2, 30 MHz to 1 GHz, Vertical (Peak)

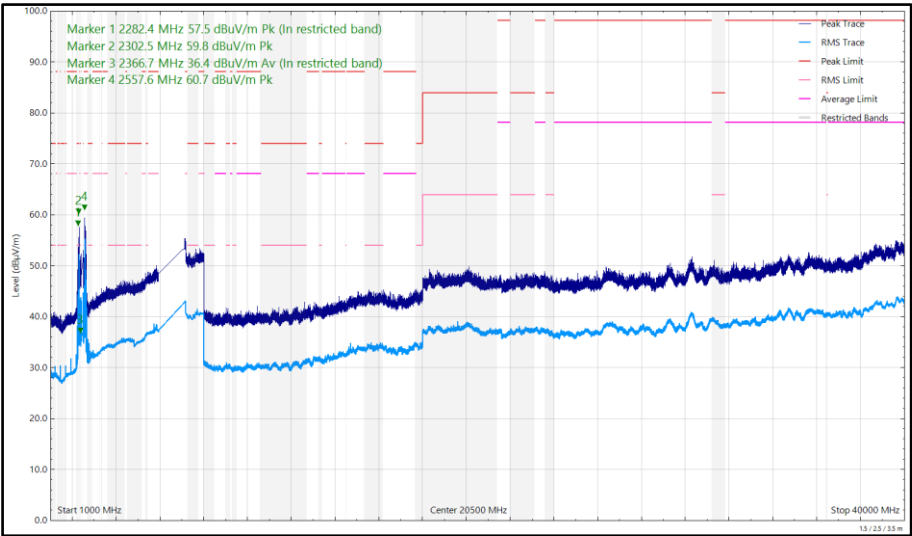


Figure 49 - 2430 MHz (CH16), Thread, Core 3 and 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2450 MHz (CH48), DH5, iPA, Core 2, 1 GHz to 40 GHz, Vertical

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 Clause 5.5	-30 dBc
Part 15.407 (b) / RSS-247 Clause 6.2	-27 dBm e.i.r.p
Part 15.209 / RSS-GEN Clause 8.9	Peak: 74 dBuV/m at 3m, Average 54 dBuV/m at 3m (Restricted bands > 1 GHz)

Table 26



2.1.8 Test Location and Test Equipment Used

This test was carried out in RF Chamber 17 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	5939	12	23-May-2027
DRG Horn Antenna (7.5-18GHz)	Schwarzbeck	HWRD750	5941	12	23-May-2027
TRILOG Super Broadband Test Antenna	Schwarzbeck	VULB 9168	5942	24	03-Jan-2027
Mast & Turntable Controller	Maturo Gmbh	FCU3.0	5960	-	TU
Tilt Antenna Mast	Maturo Gmbh	BAM4.5-P	5961	-	TU
Digital Multimeter	Fluke	115	6145	12	02-Jun-2027
Humidity & Temperature meter	R.S Components	1364	6149	12	28-Aug-2026*
Double Ridge Active Horn Antenna (18-40 GHz)	Com-Power	AHA-840	6189	24	26-Sep-2026
8GHz Highpass Filter	Wainwright	WHKX 7150 8000 18000 50SS	6194	12	23-Apr-2027
8GHz Highpass Filter	Wainwright	WHKX 7150 8000 18000 50SS	6196	12	23-Apr-2027
Pre Amp 8 - 18 GHz	Wright Technologies	APS06 0061	6200	12	23-Apr-2027
Attenuator (4 dB)	Pasternack	PE7074-4	6202	24	03-Jan-2027
Cable (SMA to SMA 20cm)	TUV SUD	MH-FH 8-18	6215	12	23-Apr-2027
Cable (SMA to SMA 20cm)	TUV SUD	MH-FH 8-18	6220	12	23-Apr-2027
EMI Test Receiver	Rohde & Schwarz	ESW44	6294	12	23-Mar-2027
Cable (SMA to SMA 1m)	Junkosha	MWX221/B	6305	12	19-May-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
SAC Switch Unit	TUV SUD	TUV_SSU_004 PLC	6349	12	18-May-2027
Horn Antenna (1–10.5 GHz)	Schwarzbeck	BBHA 9120 B	6457	12	14-Sep-2026
3m Semi-Anechoic Chamber	Albatross Projects	RF Chamber 18	6597	36	08-May-2028
AC Power Supply	iTech	IT7324	6657	-	TU
3m Semi-Anechoic Chamber	Albatross Projects	RF Chamber 17	6658	36	07-May-2028
Mast and Turntable Controller	Maturo Gmbh	FCU3.0	6659	-	TU
Tilt Antenna Mast	Maturo Gmbh	BAM4.5-P	6660	-	TU
Turntable	Maturo Gmbh	TT1.5SI	6661	-	TU
Pre Amp 8 - 18 GHz	Wright Technologies	APS06-0061	6783	12	23-Apr-2027



Turntable	Maturo Gmbh	TT1.5SI	6797	-	TU
AC Programmable Power Supply	iTech	IT7324	6812	-	TU
Broad-Band Horn Antenna 1-10GHz N	Schwarzbeck	BBHA9120B	6825	12	14-Sep-2026
Handheld Hygrometer	Fluke	971	6838	12	16-Sep-2026
1m SMA-Type Cable	Junkosha	MWX221-01000AMSAMS/B	6841	12	23-Sep-2026
8m SMA-Type Cable	Junkosha	MWX221-08000AMSAMS/B	6850	12	23-Oct-2026
8m SMA-Type Cable	Junkosha	MWX221-08000AMSAMS/B	6851	12	06-Nov-2026
SAC Switch Unit	TUV SUD	TUV_SSU_004 PLC	6886	12	02-Dec-2026

Table 27

TU - Traceability Unscheduled

*Equipment was only employed during its calibration period



3 Measurement Uncertainty

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

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

Table 28

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.