

FCC and ISED Test Report

Apple Inc
Model: A3468

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	13 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	Rachael Watkins	13 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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ACCREDITATION

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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 57



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	07 October 2026
2	Typographical corrections to Table 22	13 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 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	08-August-2026
Finish of Test	16-September-2026
Name of Engineer(s)	Tony Baby, Nathan Ocom, Marius Vasii, Ian Hart, Morsalin Hossain, Colin Brain, Ian Hart, Akhil Rajendran Bhaskaran, Thilanka Savirunath Liyanage
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 47 CFR 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, 15.247(d) and 15.407(b)	6.6 and 7.3	-	6.13 and 8.9	Radiated Spurious Emissions (Simultaneous Transmission)	Pass	ANSI C63.26 (2015) ANSI C63.10 (2020) ANSI C63.4 (2014) KDB 996369 D04 Module Integration Guide v02
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 C63.26 (2015) ANSI C63.10 (2020) ANSI C63.4 (2014) KDB 996369 D04 Module Integration Guide v02
Configuration and Mode: 5 GHz WLAN 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 C63.26 (2015) ANSI C63.10 (2020) ANSI C63.4 (2014) KDB 996369 D04 Module Integration Guide v02



Configuration and Mode: 6 GHz WLAN and Thread							
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 C63.26 (2015) ANSI C63.10 (2020) ANSI C63.4 (2014) KDB 996369 D04 Module Integration Guide v02
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 C63.26 (2015) ANSI C63.10 (2020) ANSI C63.4 (2014) KDB 996369 D04 Module Integration Guide v02
Configuration and Mode: 2.4 GHz WLAN, Thread 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 C63.26 (2015) ANSI C63.10 (2020) ANSI C63.4 (2014) KDB 996369 D04 Module Integration Guide v02
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 C63.26 (2015) ANSI C63.10 (2020) ANSI C63.4 (2014) KDB 996369 D04 Module Integration Guide v02



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 C63.26 (2015) ANSI C63.10 (2020) ANSI C63.4 (2014) KDB 996369 D04 Module Integration Guide v02
Configuration and Mode: 2.4 GHz WLAN, 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 C63.26 (2015) ANSI C63.10 (2020) ANSI C63.4 (2014) KDB 996369 D04 Module Integration Guide v02
Configuration and Mode: 2.4 GHz WLAN, 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 C63.26 (2015) ANSI C63.10 (2020) ANSI C63.4 (2014) KDB 996369 D04 Module Integration Guide v02
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 KDB 987594 D02 v03
Configuration and Mode: Thread and 5GHz 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

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: A3468		
Serial Number	Hardware Version	Software Version
C7326RXHKY	REV1.0	26A300
D9RD9N9N0R	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: A3468, Serial Number: C7326RXHKY			
0	As supplied by the customer	Not Applicable	Not Applicable
Model: A3468, Serial Number: D9RD9N9N0R			
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)	Tony Baby, Nathan Ocom, Marius Vasii	UKAS
Configuration and Mode: 6 GHz WLAN and 2.4 GHz Bluetooth		
Radiated Spurious Emissions (Simultaneous Transmission)	Tony Baby, Nathan Ocom, Marius Vasii	UKAS
Configuration and Mode: 5 GHz WLAN and Thread		
Radiated Spurious Emissions (Simultaneous Transmission)	Tony Baby, Ian Hart, Marius Vasii, Morsalin Hossain	UKAS
Configuration and Mode: 6 GHz WLAN and Thread		
Radiated Spurious Emissions (Simultaneous Transmission)	Tony Baby, Ian Hart, Morsalin Hossain	UKAS
Configuration and Mode: 2.4 GHz WLAN, 2.4 GHz Bluetooth and 5 GHz Narrowband		
Radiated Spurious Emissions (Simultaneous Transmission)	Colin Brain, Ian Hart, Akhil Rajendran Bhaskaran Nair, Tony Baby	UKAS
Configuration and Mode: 2.4 GHz WLAN, Thread and 5 GHz Narrowband		
Radiated Spurious Emissions (Simultaneous Transmission))	Ian Hart, Tony Baby and Colin Brain	UKAS
Configuration and Mode: 2.4 GHz WLAN, 2.4 GHz Bluetooth and 5 GHz WLAN		
Radiated Spurious Emissions (Simultaneous Transmission)	Ian Hart, Colin Brain, Akhil Rajendran Bhaskaran Nair	UKAS
Configuration and Mode: 2.4 GHz WLAN, 2.4 GHz Bluetooth and 6 GHz WLAN		
Radiated Spurious Emissions (Simultaneous Transmission)	Colin Brain, Akhil Rajendran Bhaskaran Nair, Morsalin Hossain	UKAS
Configuration and Mode: 2.4 GHz WLAN, Thread and 5 GHz WLAN		
Radiated Spurious Emissions (Simultaneous Transmission)	Ian Hart, Tony Baby and Thilanka Savirunath Liyanage	UKAS
Configuration and Mode: 2.4 GHz WLAN, Thread and 6 GHz WLAN		
Radiated Spurious Emissions (Simultaneous Transmission))	Ian Hart and Tony Baby	UKAS
Configuration and Mode: 2.4 GHz Bluetooth and 5GHz Narrowband		
Radiated Spurious Emissions (Simultaneous Transmission)	Colin Brain, Ian Hart, Akhil Rajendran Bhaskaran Nair, Tony Baby	UKAS
Configuration and Mode: Thread and 5GHz Narrowband		
Radiated Spurious Emissions (Simultaneous Transmission)	Colin Brain, Ian Hart, Akhil Rajendran Bhaskaran Nair, Tony Baby	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

A3468, S/N: C7326RXHKY - Modification State 0
A3468, S/N: D9RD9N9N0R - Modification State 0

2.1.3 Date of Test

08-August-2026 to 16-September-2026

2.1.4 Test Method

Measurements of emissions from the EUT were obtained with the Measurement Antenna in both Horizontal and Vertical Polarisation. 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

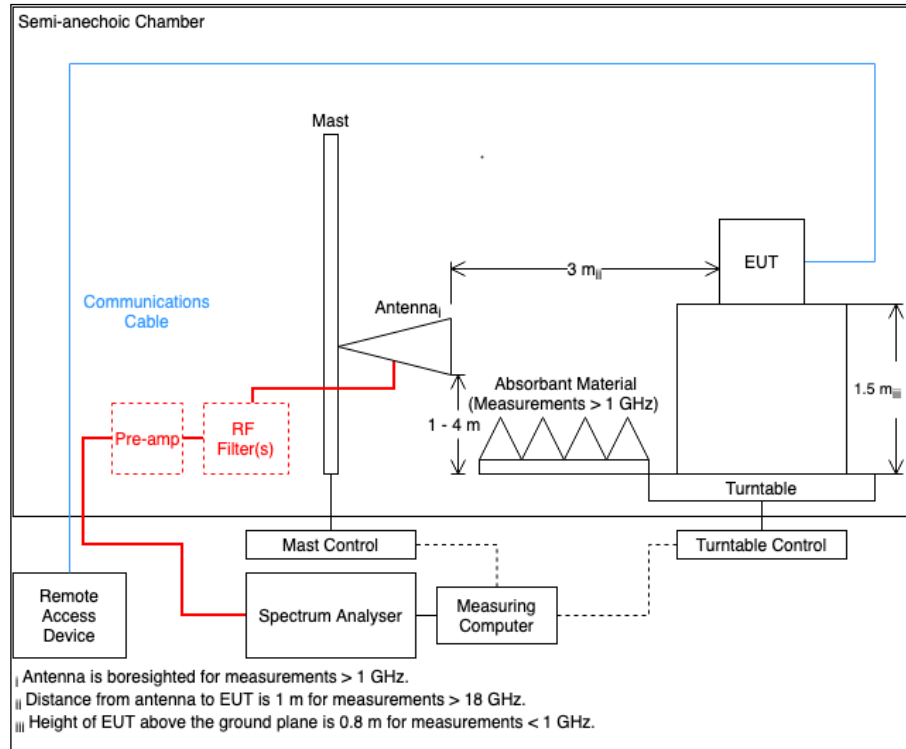


Figure 1

2.1.6 Environmental Conditions

Ambient Temperature	18.5 - 23.2 °C
Relative Humidity	23.2 - 48.3 %

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
38.150	21.42	40.00	-18.58	Q-Peak	207	250	Horizontal
38.163	22.12	40.00	-17.88	Q-Peak	272	142	Vertical
2389.870	34.12	54.00	-19.88	CISPR Avg	2	307	Vertical
2486.265	33.75	54.00	-20.25	CISPR Avg	7	299	Vertical
5437.355	57.41	74.00	-16.59	Peak	356	325	Vertical
5448.058	37.05	54.00	-16.95	CISPR Avg	72	392	Horizontal
5457.955	43.02	54.00	-10.98	CISPR Avg	3	333	Vertical
7322.420	44.16	54.00	-9.84	CISPR Avg	77	327	Horizontal
7322.625	46.01	54.00	-7.99	CISPR Avg	59	263	Vertical
7323.114	56.18	74.00	-17.82	Peak	58	254	Vertical
7323.227	55.65	74.00	-18.35	Peak	74	358	Horizontal

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.

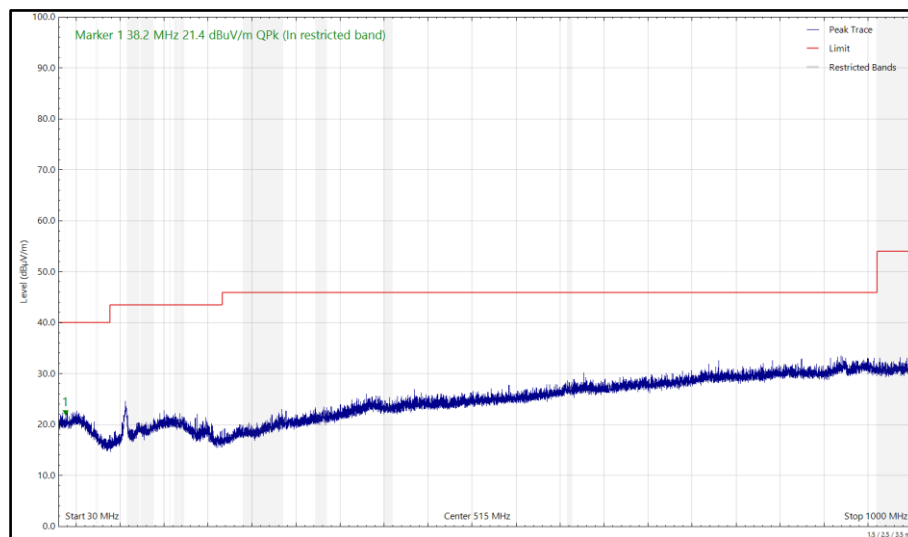


Figure 2 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2441 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

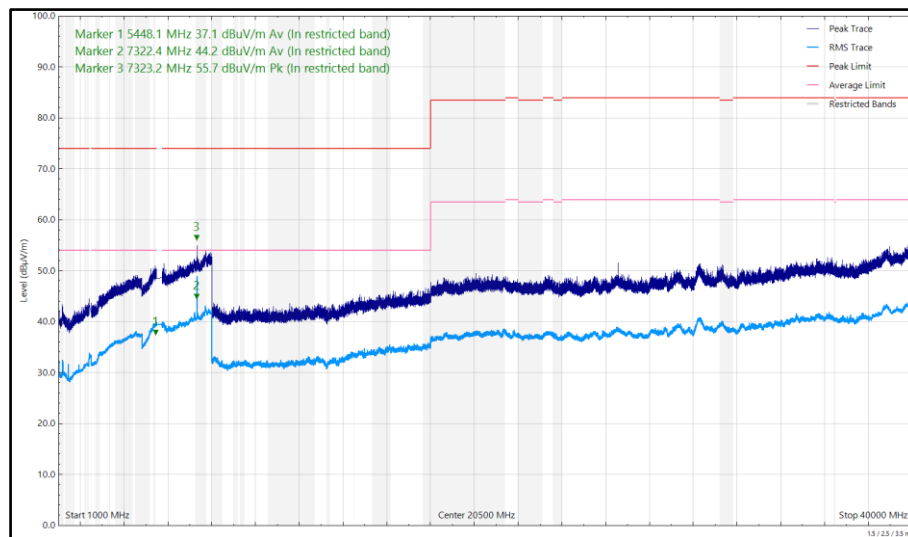


Figure 3 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2441 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

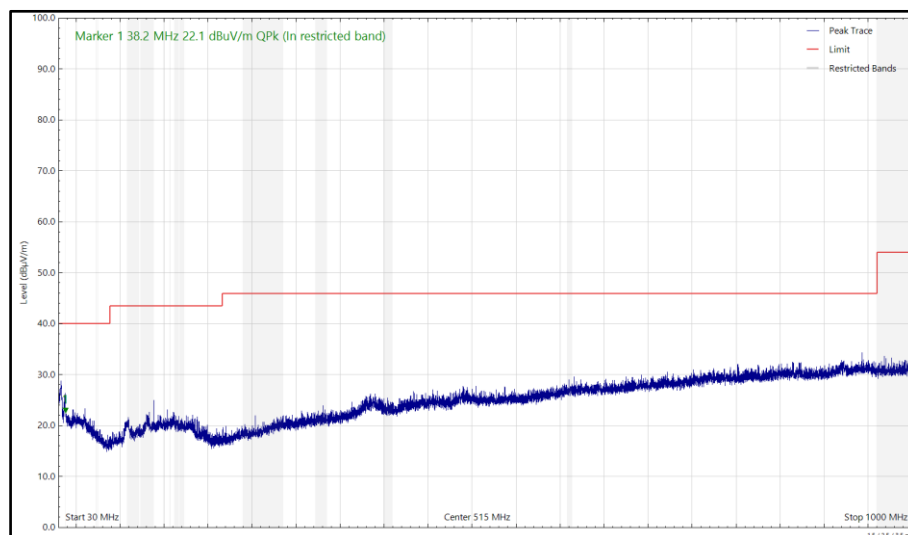


Figure 4 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2441 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

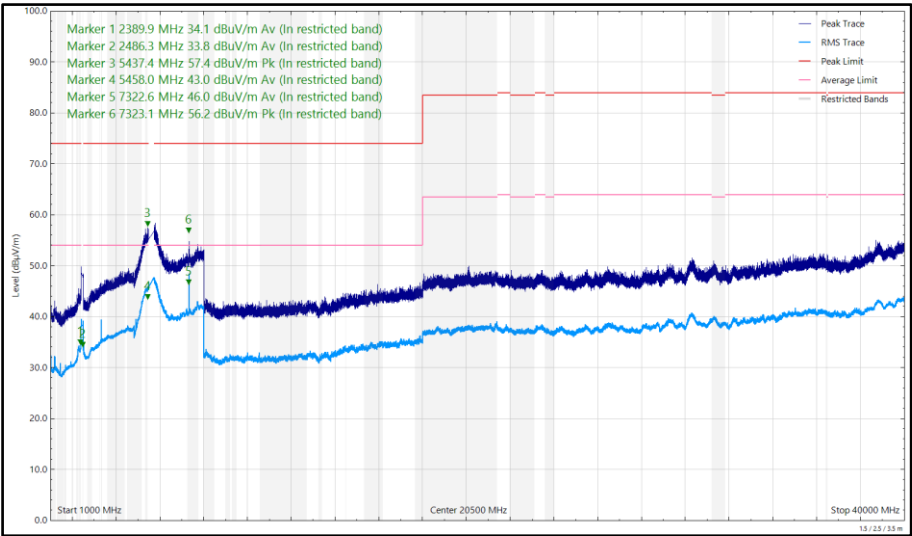


Figure 5 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2441 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

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)

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
37.856	22.06	40.00	-17.94	Q-Peak	64	109	Vertical
106.806	21.45	43.50	-22.05	Q-Peak	360	285	Horizontal
2389.551	33.99	54.00	-20.01	CISPR Avg	360	276	Vertical
2484.614	33.92	54.00	-20.08	CISPR Avg	10	294	Vertical
4882.055	34.73	54.00	-19.27	CISPR Avg	3	316	Vertical
5444.077	38.30	54.00	-15.70	CISPR Avg	10	305	Vertical
7322.521	45.47	54.00	-8.53	CISPR Avg	76	352	Horizontal
7322.830	55.89	74.00	-18.11	Peak	77	376	Horizontal
7323.263	47.32	54.00	-6.68	CISPR Avg	55	241	Vertical
7323.409	57.25	74.00	-16.75	Peak	59	252	Vertical

Table 8 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2441 MHz (CH2441), DH5, ePA, Core 0 + Core 1, 30 MHz to 40 GHz

No other emissions found within 20 dB of the limit.

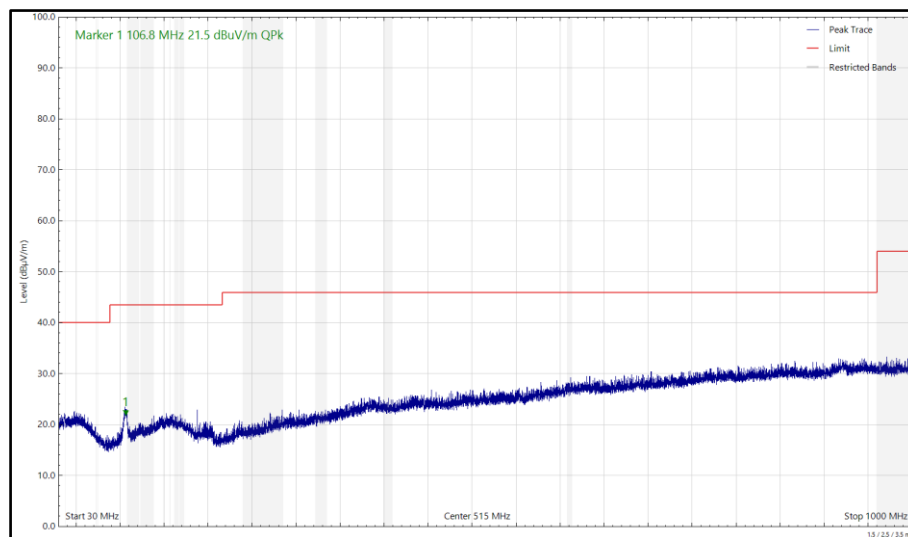


Figure 6 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2441 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

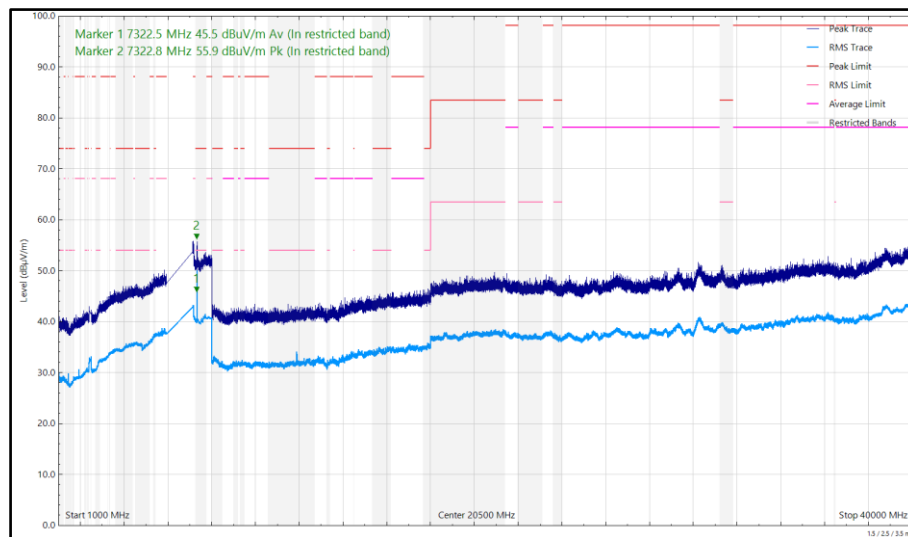


Figure 7 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2441 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

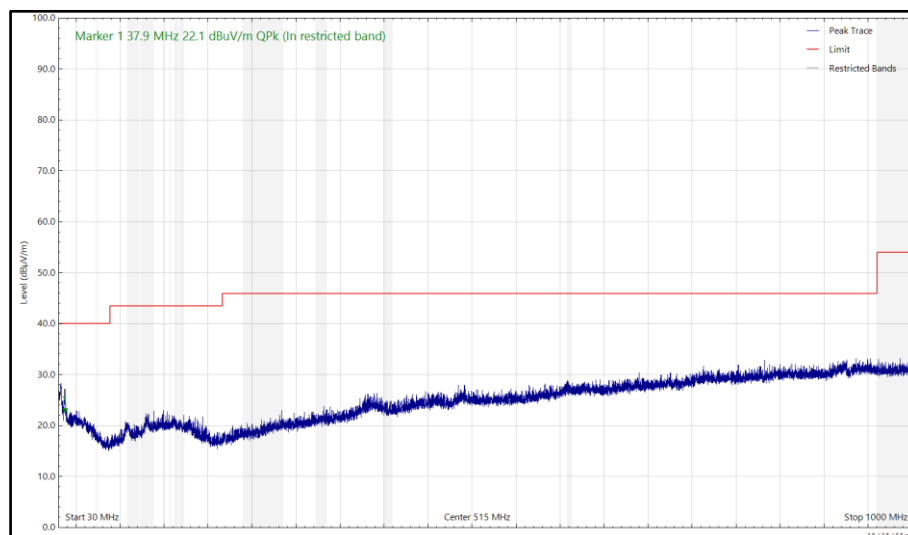


Figure 8 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2441 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

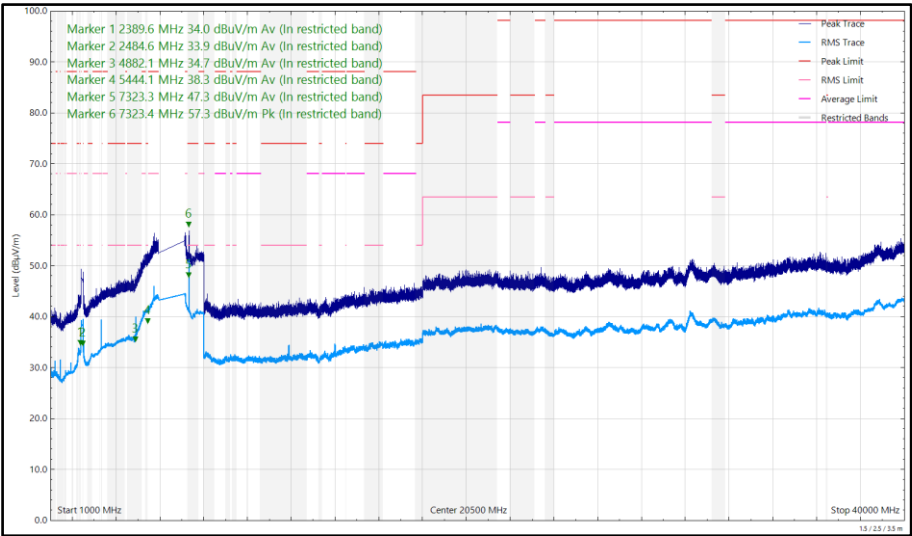


Figure 9 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2441 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

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 5.5	-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

5 GHz WLAN and Thread

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
37.925	21.78	40.00	-18.22	Q-Peak	330	119	Vertical
2389.941	35.89	54.00	-18.11	RMS	0	290	Vertical
2485.128	37.61	54.00	-16.39	RMS	10	286	Vertical
5147.590	38.16	54.00	-15.84	RMS	75	374	Horizontal
5417.657	38.92	54.00	-15.08	RMS	83	363	Horizontal
5446.392	57.37	74.00	-16.63	Peak	4	316	Vertical
5456.684	46.36	54.00	-7.64	RMS	360	327	Vertical
5729.903	59.88	74.00	-14.12	Peak	359	245	Vertical
7321.409	52.35	74.00	-21.65	Peak	60	264	Vertical
7321.500	43.40	54.00	-10.60	RMS	309	318	Vertical

Table 10 - 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.

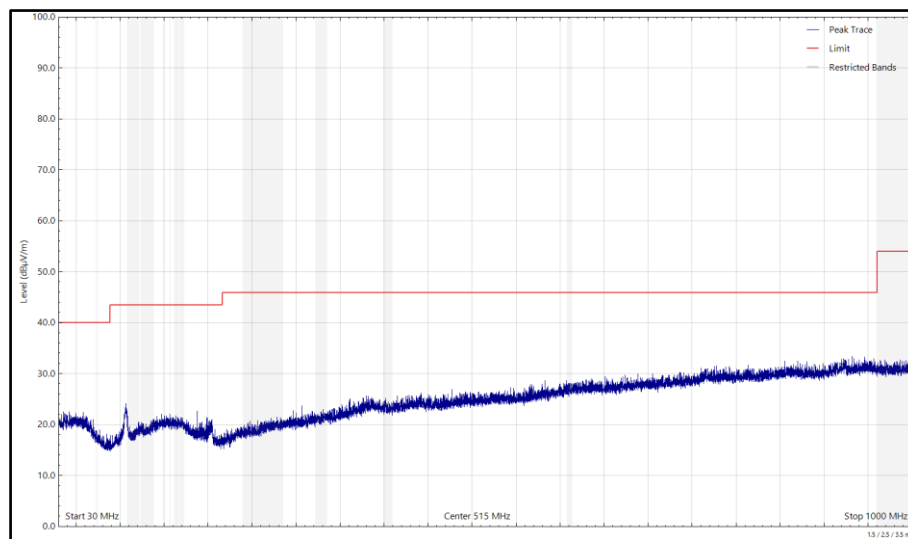


Figure 10 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 0, 30 MHz to 1 GHz, Horizontal (Peak)

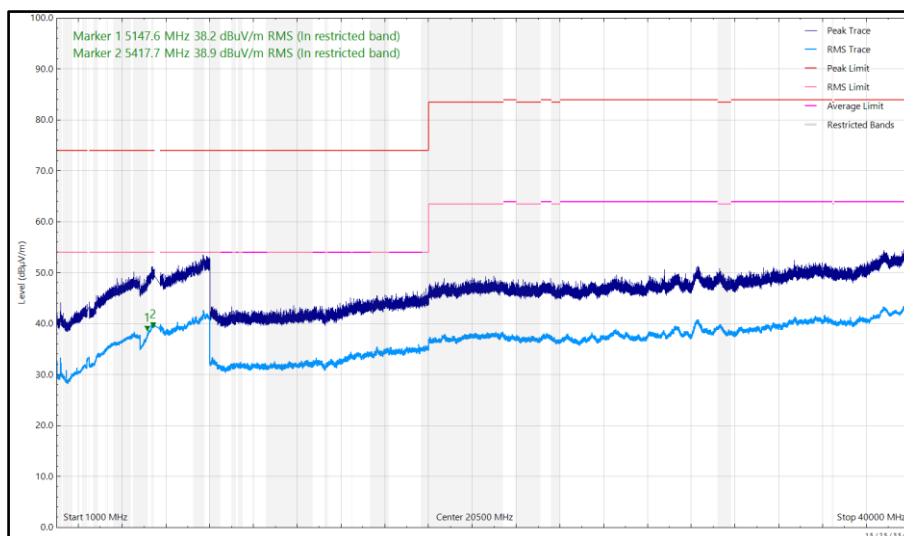


Figure 11 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 0, 1 GHz to 40 GHz, Horizontal

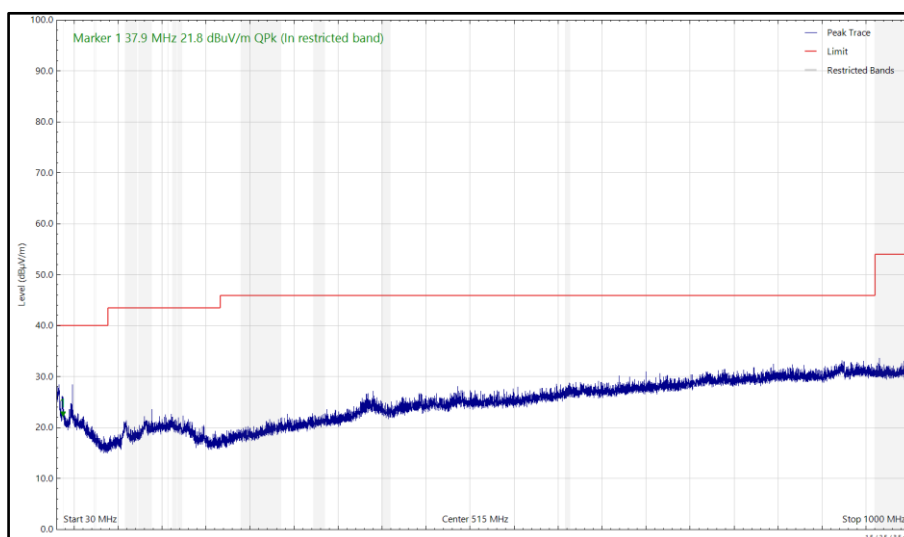


Figure 12 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 0, 30 MHz to 1 GHz, Vertical (Peak)

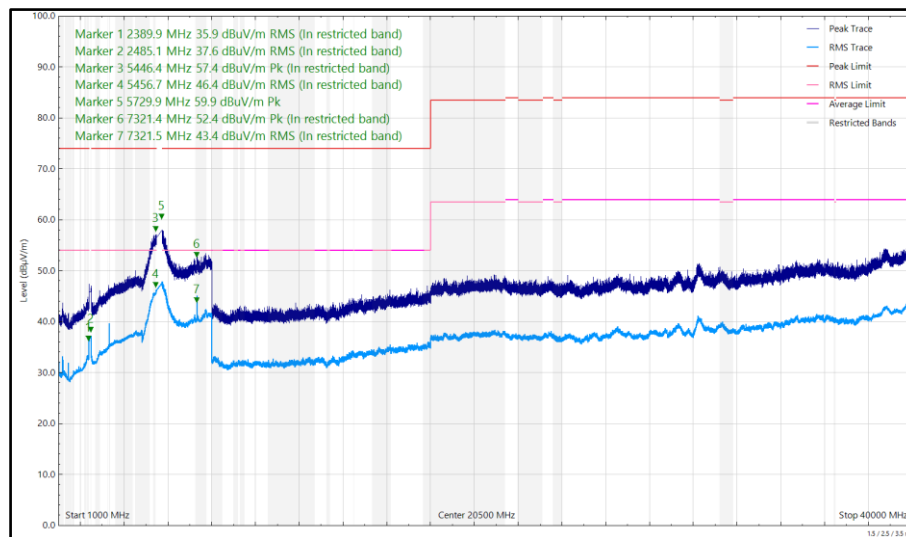


Figure 13 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 0, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
2485.341	35.97	54.00	-18.03	RMS	360	320	Vertical
5147.325	42.79	54.00	-11.21	RMS	31	258	Vertical
5147.836	37.89	54.00	-16.11	RMS	74	362	Horizontal
5401.523	58.21	74.00	-15.79	Peak	0	332	Vertical
5449.063	46.29	54.00	-7.71	RMS	0	327	Vertical
5455.393	40.41	54.00	-13.59	RMS	68	395	Horizontal

Table 11 - 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.

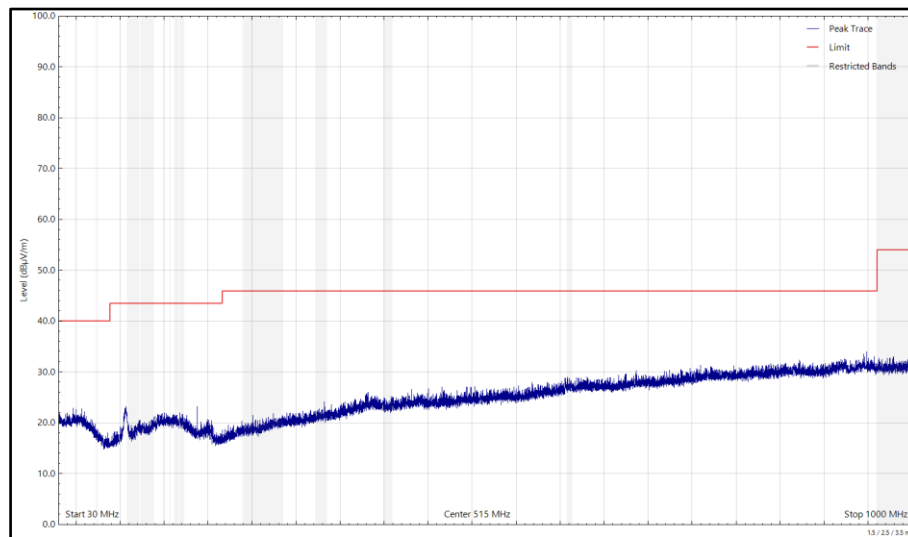


Figure 14 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

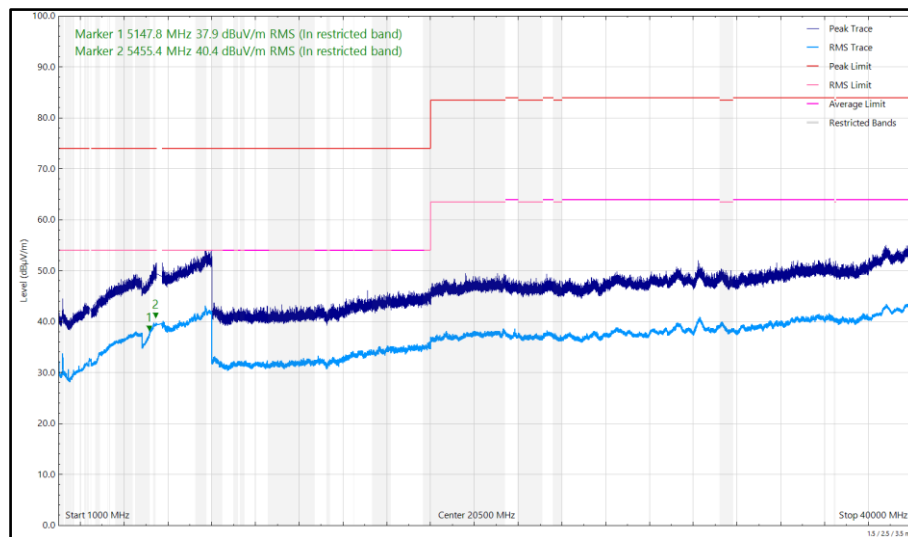


Figure 15 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 1, 1 GHz to 40 GHz, Horizontal

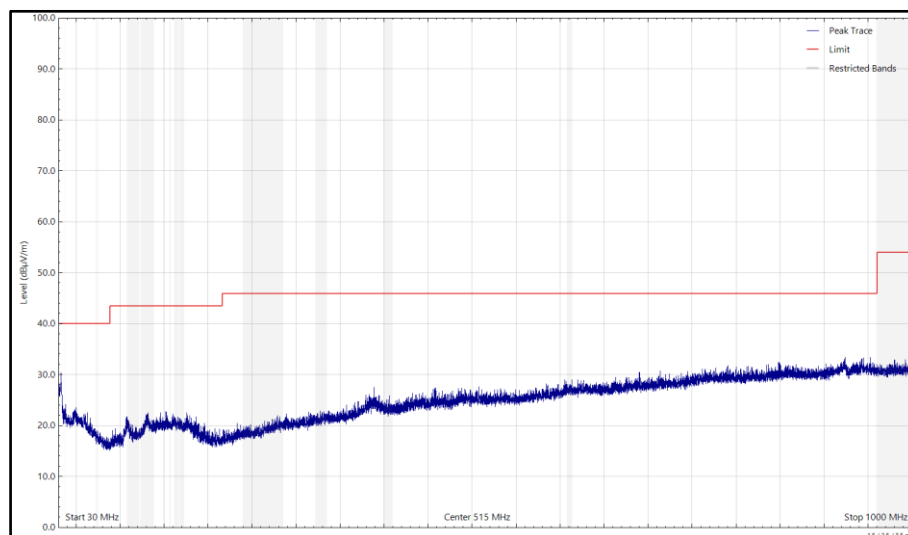


Figure 16 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 1, 30 MHz to 1 GHz, Vertical (Peak)

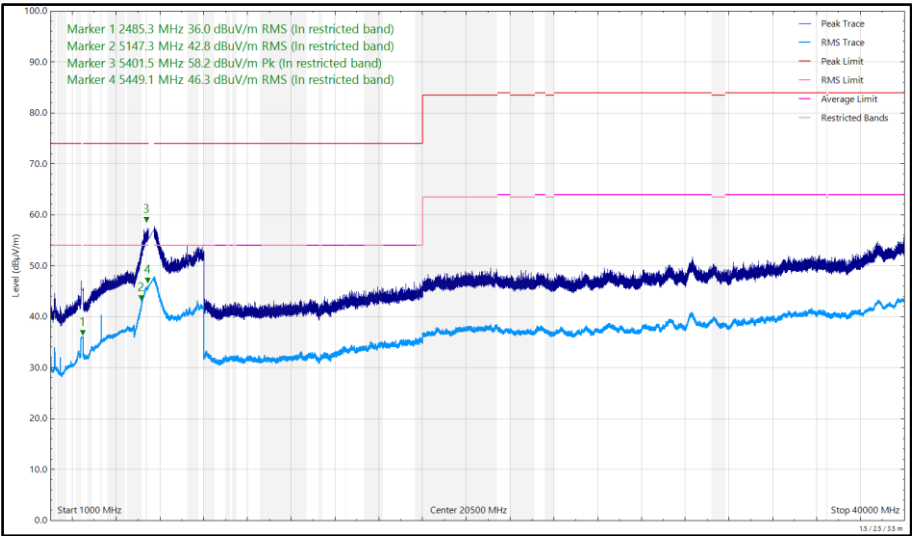


Figure 17 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 1, 1 GHz to 40 GHz, Vertical

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 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)

Table 12

6 GHz WLAN and Thread

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
2389.682	34.83	54.00	-19.17	RMS	355	400	Vertical
2484.776	36.84	54.00	-17.16	RMS	354	327	Vertical
4880.893	40.59	54.00	-13.41	RMS	342	278	Vertical
5363.213	36.97	54.00	-17.03	RMS	293	346	Horizontal
5458.260	41.02	54.00	-12.98	RMS	356	344	Vertical
7321.407	42.87	54.00	-11.13	RMS	20	261	Vertical

Table 13 - 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.

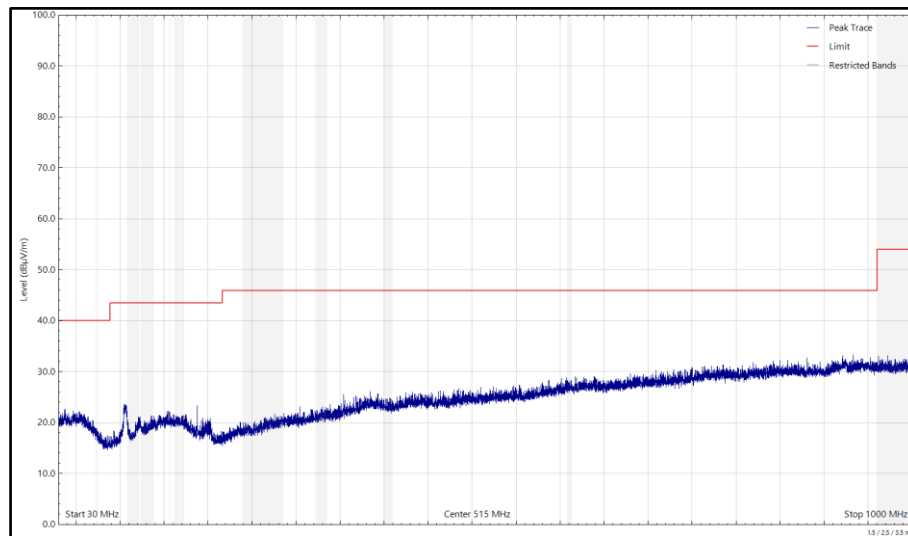


Figure 18 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 0, 30 MHz to 1 GHz, Horizontal (Peak)

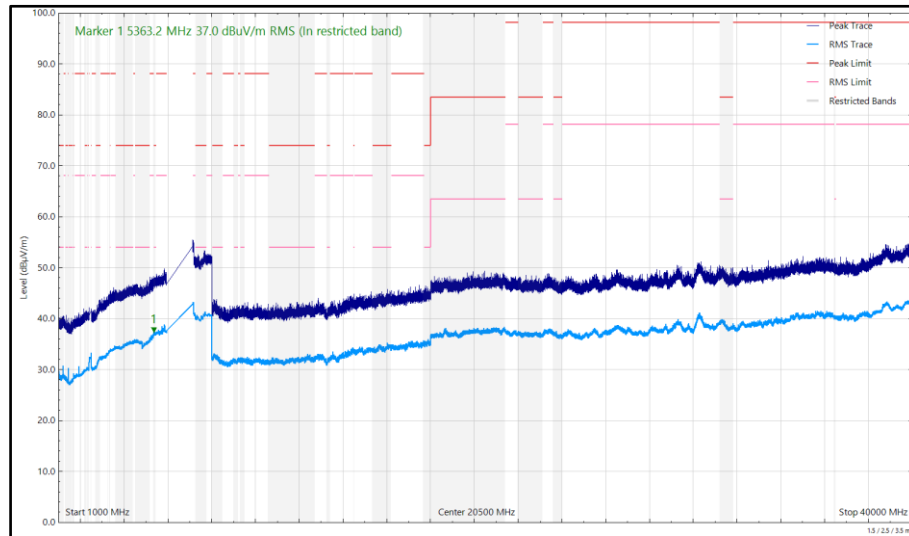


Figure 19 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 0, 1 GHz to 40 GHz, Horizontal

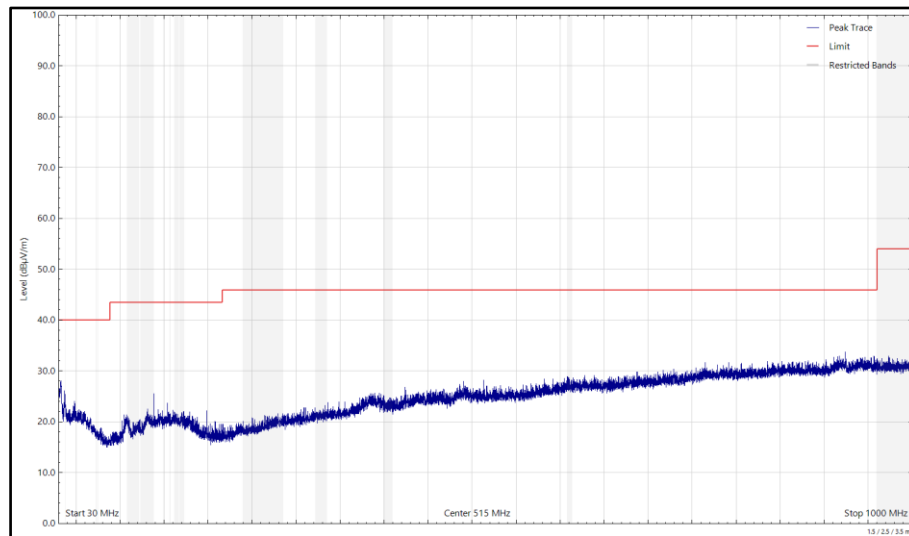


Figure 20 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 0, 30 MHz to 1 GHz, Vertical (Peak)

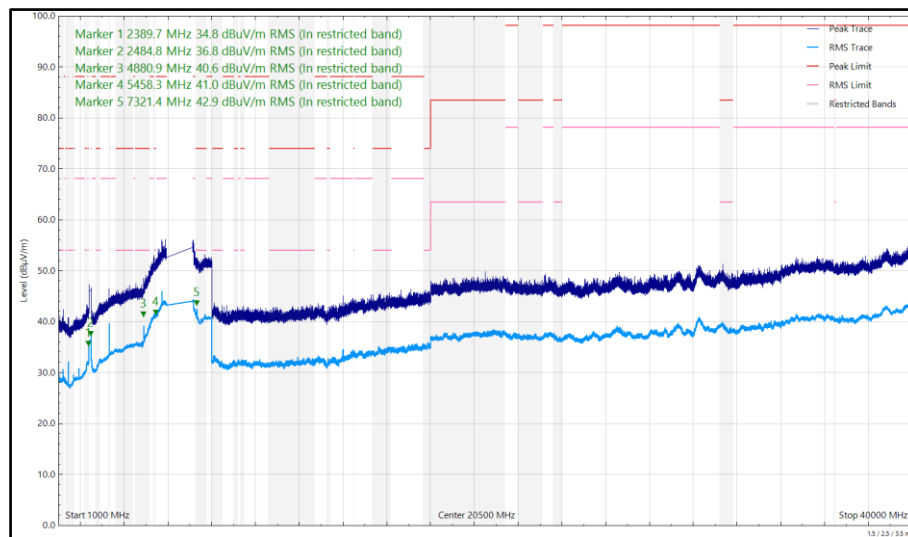


Figure 21 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 0, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
2389.941	35.64	54.00	-18.36	RMS	358	276	Vertical
2485.230	35.70	54.00	-18.30	RMS	360	323	Vertical
5351.281	37.59	54.00	-16.41	RMS	289	400	Horizontal
5458.407	41.59	54.00	-12.41	RMS	1	330	Vertical
11875.248	32.72	54.00	-21.28	RMS	49	254	Vertical
11875.700	31.72	54.00	-22.28	RMS	274	340	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.

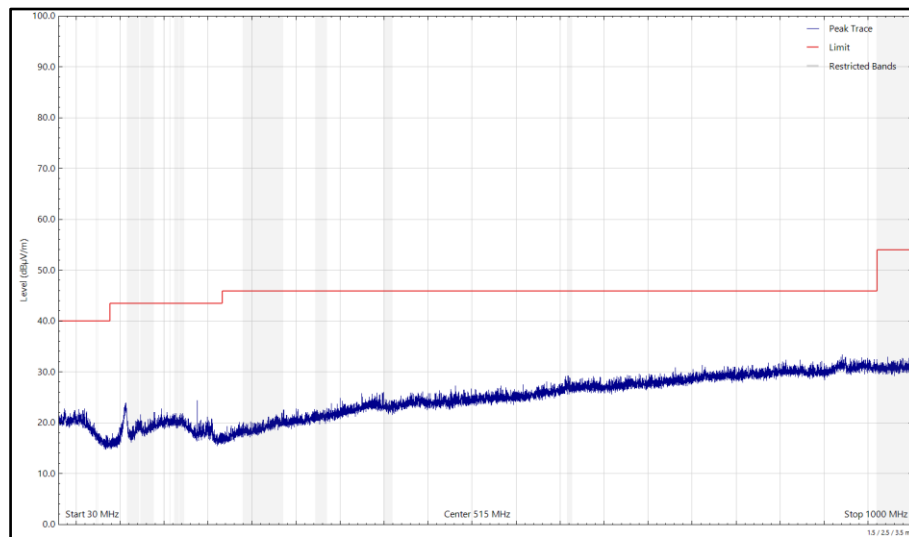


Figure 22 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

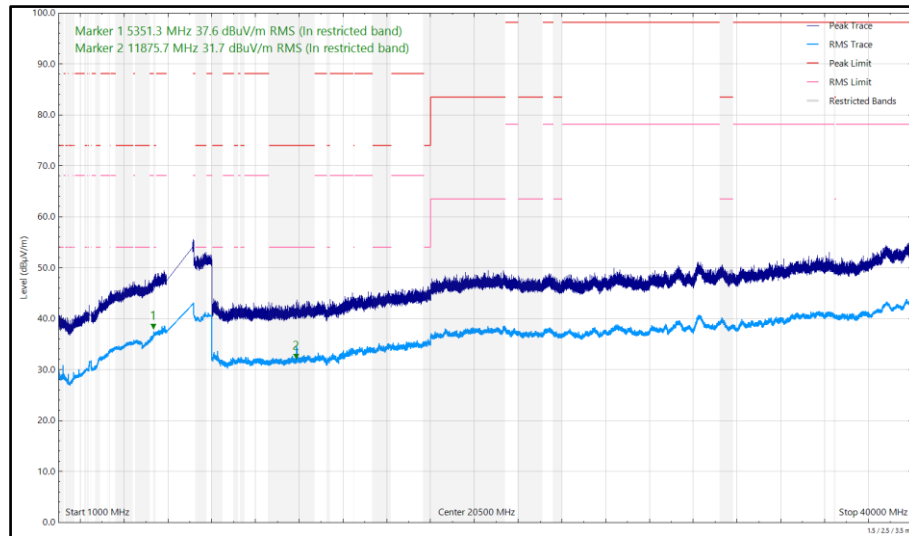


Figure 23 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 1, 1 GHz to 40 GHz, Horizontal

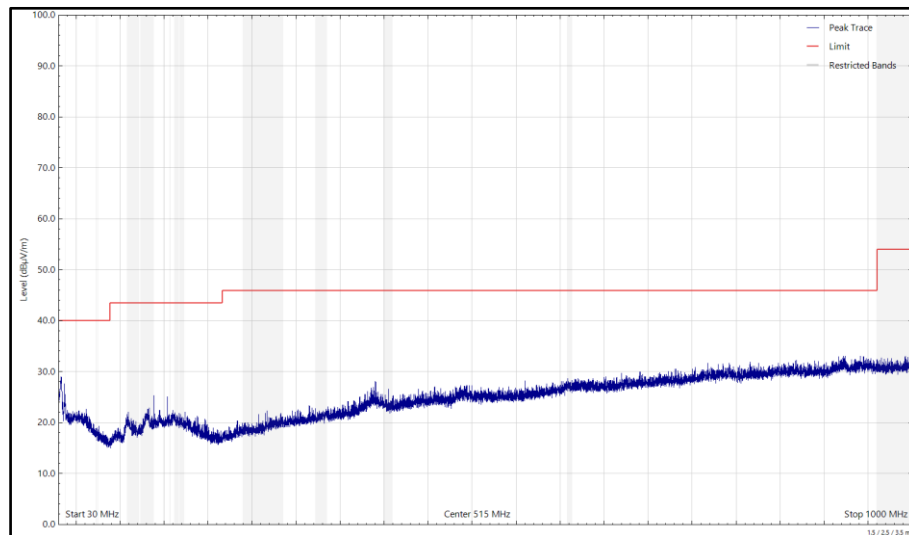


Figure 24 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 1, 30 MHz to 1 GHz, Vertical (Peak)

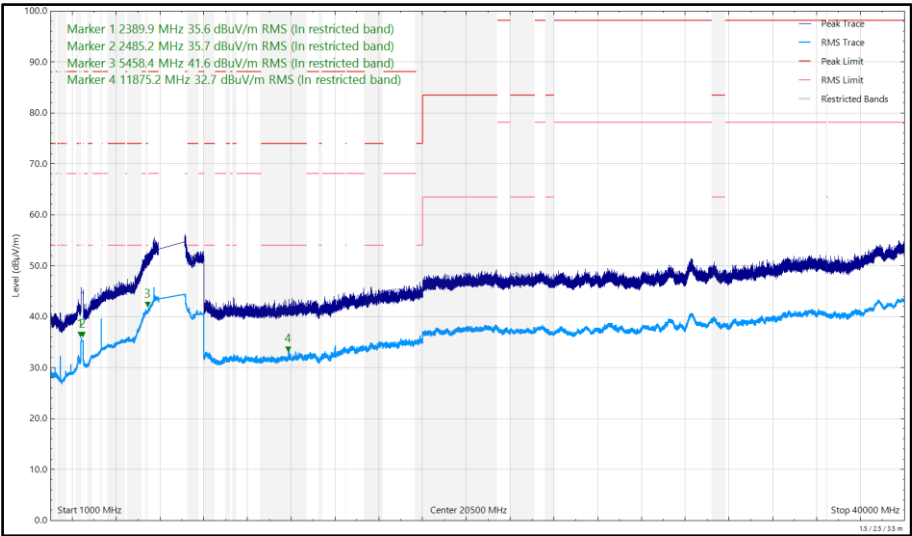


Figure 25 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 1, 1 GHz to 40 GHz, Vertical

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 Clause 6.6	-30 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 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
37.956	21.23	40.00	-18.77	Q-Peak	223	366	Horizontal
38.250	21.80	40.00	-18.20	Q-Peak	92	114	Vertical
2388.612	33.01	54.00	-20.99	CISPR Avg	56	391	Horizontal
2389.814	41.15	54.00	-12.85	CISPR Avg	4	312	Vertical
2399.339	55.70	74.00	-18.30	Peak	62	347	Horizontal
2399.647	65.89	74.00	-8.11	Peak	7	299	Vertical
2484.226	63.63	74.00	-10.37	Peak	350	286	Vertical
2485.235	46.34	54.00	-7.66	CISPR Avg	350	290	Vertical
2485.428	37.59	54.00	-16.41	CISPR Avg	53	351	Horizontal
5421.024	33.84	54.00	-20.16	CISPR Avg	45	372	Horizontal
5457.699	37.22	54.00	-16.78	CISPR Avg	6	318	Vertical
7306.092	58.48	74.00	-15.52	Peak	71	333	Horizontal
7307.404	61.19	74.00	-12.81	Peak	57	238	Vertical
7308.005	47.94	54.00	-6.06	RMS	57	238	Vertical
7311.891	46.09	54.00	-7.91	RMS	71	333	Horizontal

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.

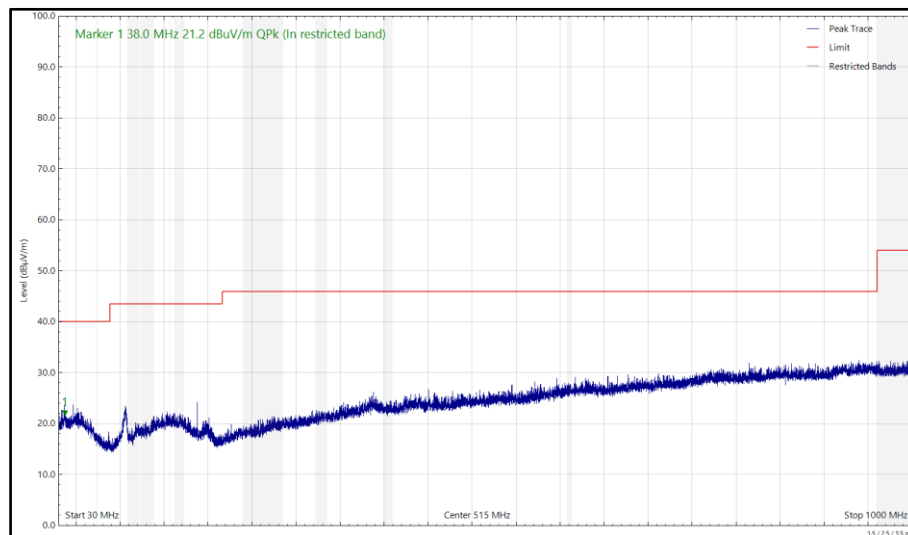


Figure 26 - 2437 MHz (CH6), HT20, CDD, Core 0 + Core 1 and 2450 MHz, DH5, iPA, Core 2 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

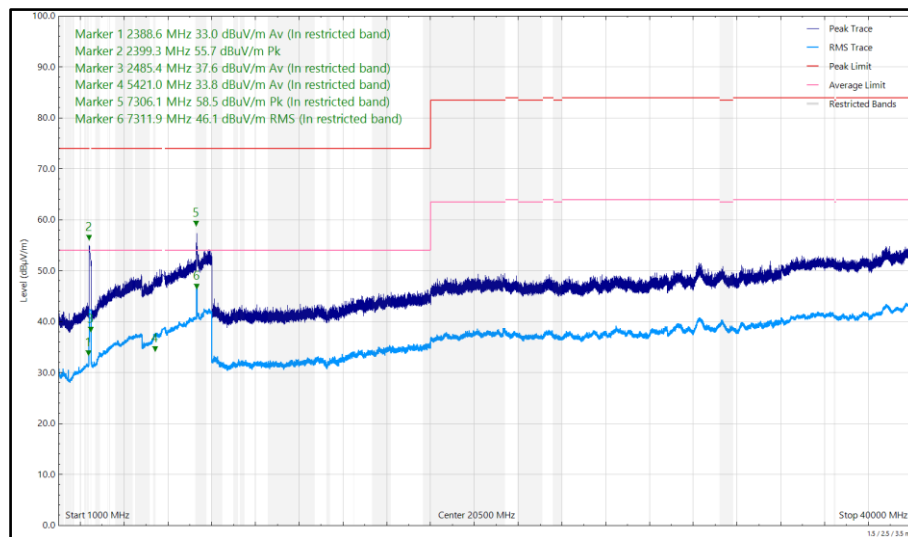


Figure 27 - 2437 MHz (CH6), HT20, CDD, Core 0 + Core 1 and 2450 MHz, DH5, iPA, Core 2 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

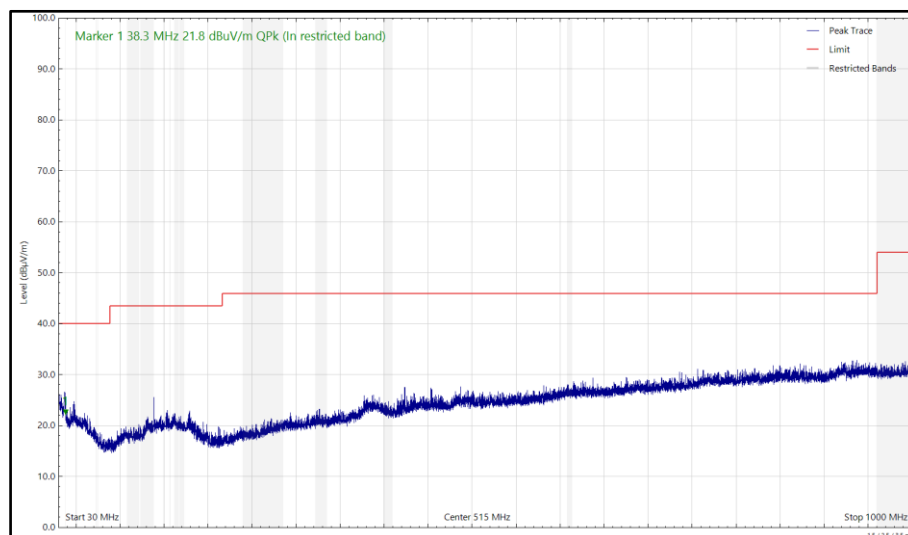


Figure 28 - 2437 MHz (CH6), HT20, CDD, Core 0 + Core 1 and 2450 MHz, DH5, iPA, Core 2 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

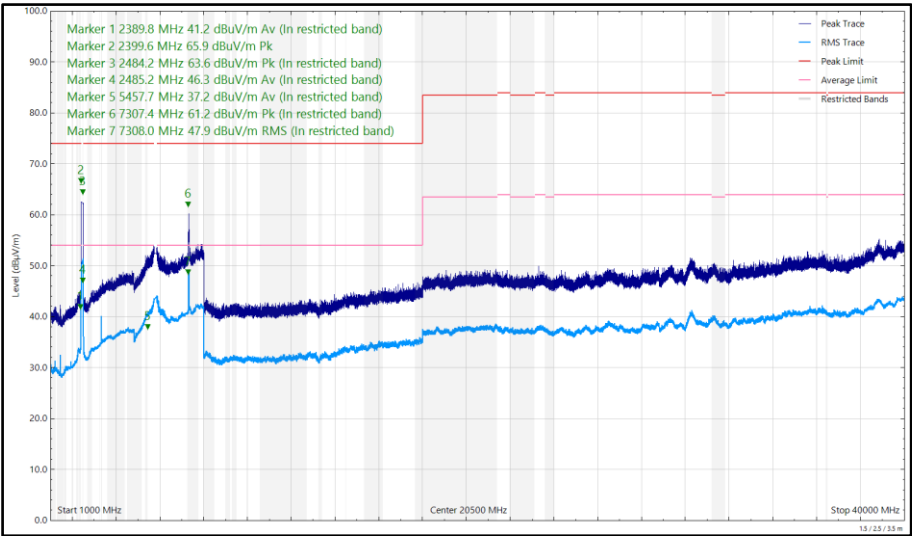


Figure 29 - 2437 MHz (CH6), HT20, CDD, Core 0 + Core 1 and 2450 MHz, DH5, iPA, Core 2 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

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 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)

Table 17

2.4 GHz WLAN and Thread and 5 GHz Narrowband

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
37.565	21.16	40.00	-18.84	Q-Peak	161	244	Vertical
37.823	20.51	40.00	-19.49	Q-Peak	285	311	Horizontal
115.094	25.47	43.50	-18.03	Q-Peak	356	110	Vertical
2385.715	43.76	54.00	-10.24	RMS	43	360	Horizontal
2386.156	63.25	74.00	-10.75	Peak	10	273	Vertical
2389.997	51.46	54.00	-2.54	RMS	353	272	Vertical
2395.579	64.77	74.00	-9.23	Peak	10	314	Vertical
2396.279	56.24	74.00	-17.76	Peak	48	400	Horizontal
2484.675	36.17	54.00	-17.83	RMS	360	331	Vertical
5147.997	38.16	54.00	-15.84	RMS	12	333	Vertical
5437.016	37.52	54.00	-16.48	RMS	49	389	Horizontal
5451.230	40.90	54.00	-13.10	RMS	5	320	Vertical

Table 18 - 2452 MHz (CH9), HT20, CDD, Core 0 + Core 1 and 2420 MHz (CH14), 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.

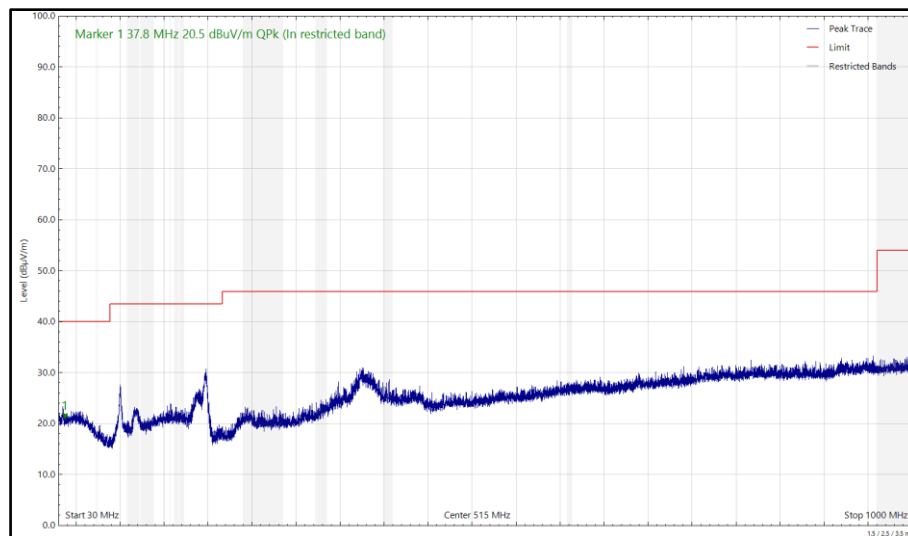


Figure 30 - 2452 MHz (CH9), HT20, CDD, Core 0 + Core 1 and 2420 MHz (CH14), Thread, iPA, Core 2 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

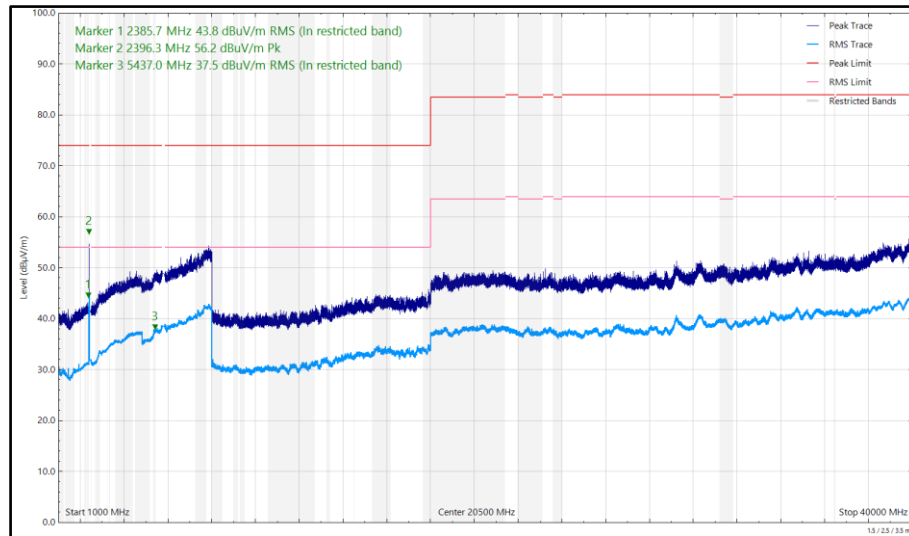


Figure 31 - 2452 MHz (CH9), HT20, CDD, Core 0 + Core 1 and 2420 MHz (CH14), Thread, iPA, Core 2 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

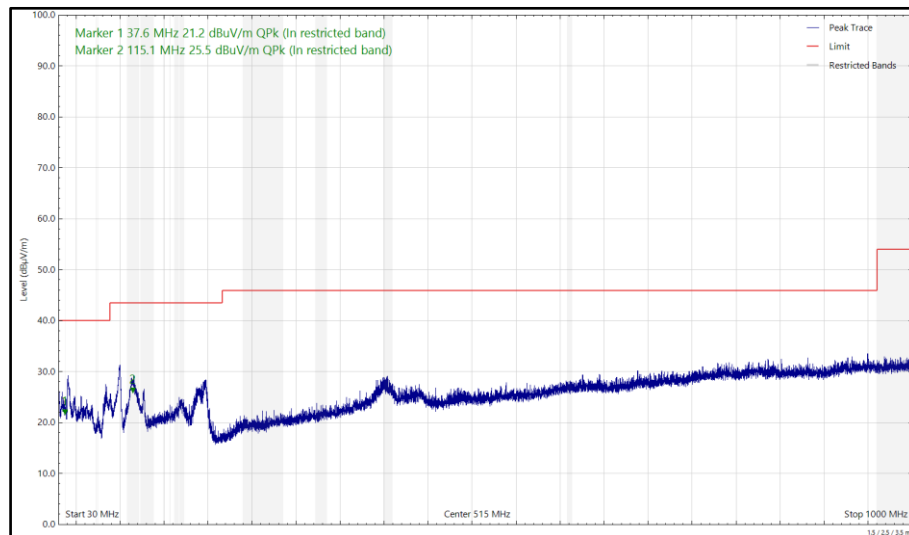


Figure 32 - 2452 MHz (CH9), HT20, CDD, Core 0 + Core 1 and 2420 MHz (CH14), Thread, iPA, Core 2 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

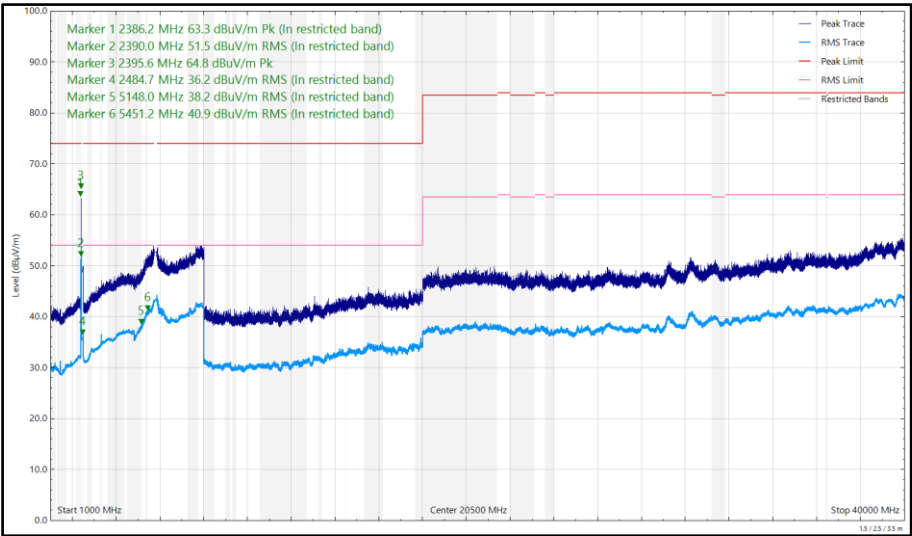


Figure 33 - 2452 MHz (CH9), HT20, CDD, Core 0 + Core 1 and 2420 MHz (CH14), Thread, iPA, Core 2 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

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 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)

Table 19

2.4 GHz WLAN and 2.4 GHz Bluetooth and 5 GHz WLAN

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
37.634	22.15	40.00	-17.85	Q-Peak	359	148	Vertical
1194.395	26.29	54.00	-27.71	CISPR Avg	155	228	Horizontal
2389.624	33.32	54.00	-20.68	CISPR Avg	301	399	Horizontal
2389.824	41.02	54.00	-12.98	CISPR Avg	3	270	Vertical
2399.966	64.37	74.00	-9.63	Peak	360	281	Vertical
2484.547	59.41	74.00	-14.59	Peak	8	329	Vertical
2485.113	41.85	54.00	-12.15	CISPR Avg	6	302	Vertical
2485.296	34.37	54.00	-19.63	CISPR Avg	54	390	Horizontal
5379.415	57.26	74.00	-16.74	Peak	357	318	Vertical
5417.858	34.98	54.00	-19.02	CISPR Avg	52	311	Horizontal
5455.942	42.47	54.00	-11.53	CISPR Avg	355	327	Vertical

Table 20 - 2437 MHz (CH6), HT20, CDD, 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.

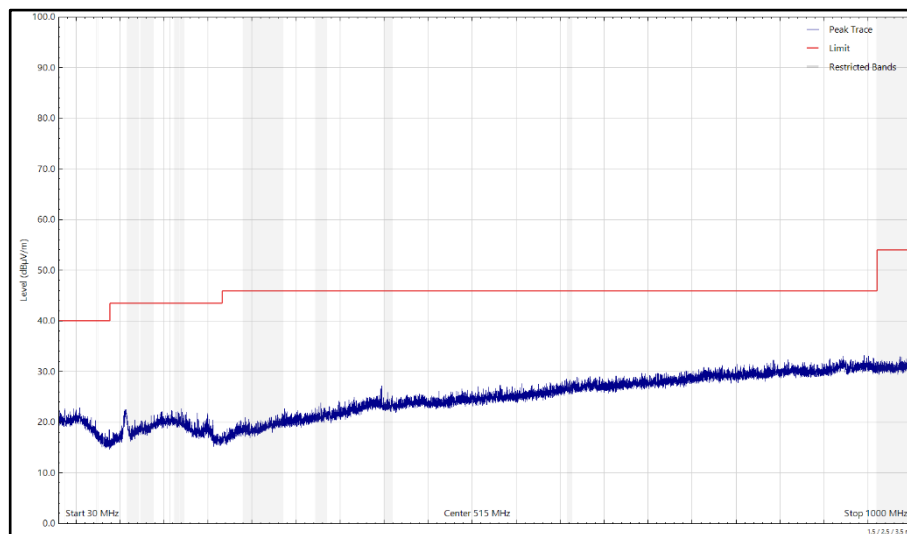


Figure 34 - 2437 MHz (CH6), HT20, CDD, Core 0 + Core 1 and 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2450 MHz, DH5, iPA, Core 2, 30 MHz to 1 GHz, Horizontal (Peak)

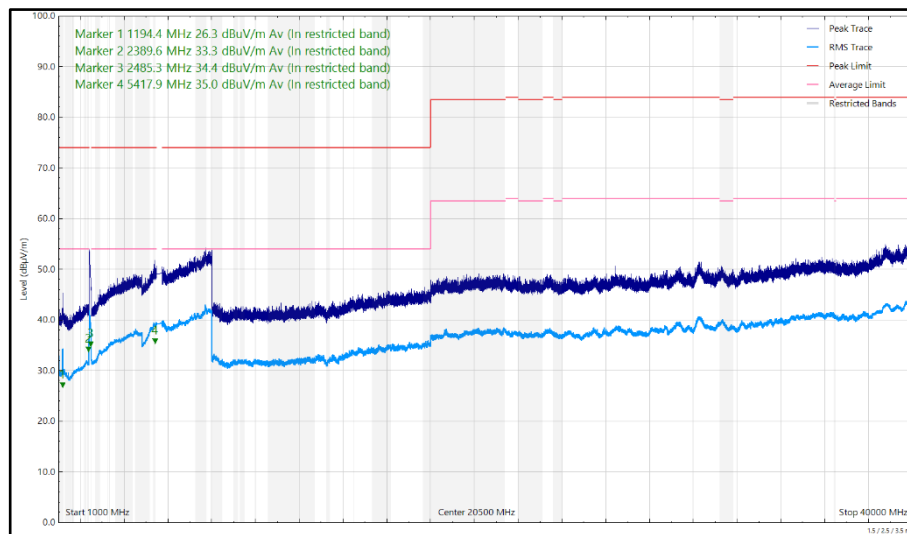


Figure 35 - 2437 MHz (CH6), HT20, CDD, Core 0 + Core 1 and 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2450 MHz, DH5, iPA, Core 2, 1 GHz to 40 GHz, Horizontal

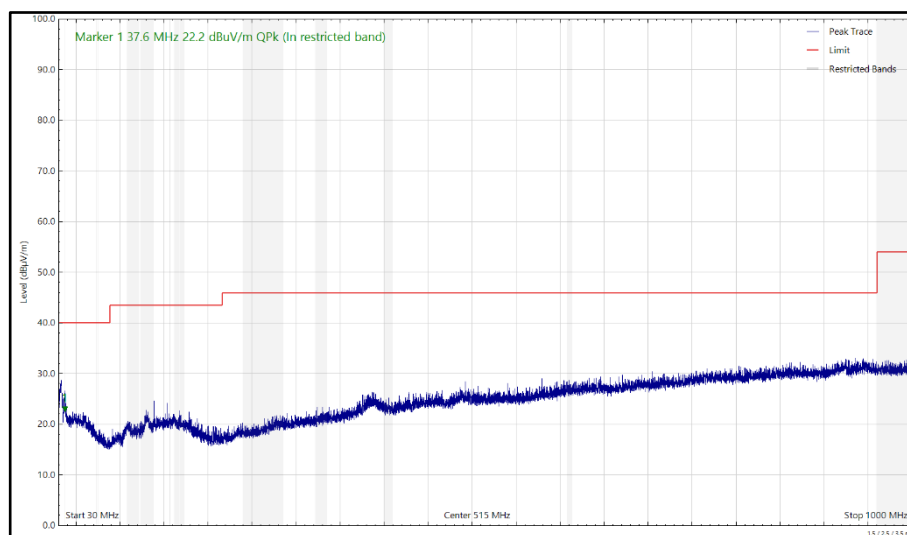


Figure 36 - 2437 MHz (CH6), HT20, CDD, Core 0 + Core 1 and 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2450 MHz, DH5, iPA, Core 2, 30 MHz to 1 GHz, Vertical (Peak)

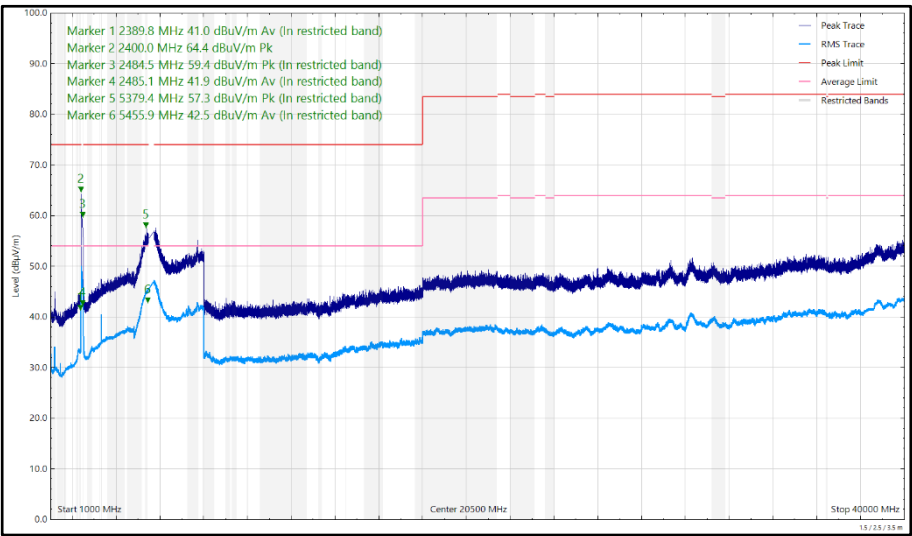


Figure 37 - 2437 MHz (CH6), HT20, CDD, Core 0 + Core 1 and 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2450 MHz, DH5, iPA, Core 2, 1 GHz to 40 GHz, Vertical

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 dB μ V/m at 3m, Average 54 dB μ V/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
37.698	21.92	40.00	-18.08	Q-Peak	141	112	Vertical
2385.551	31.02	54.00	-22.98	CISPR Avg	58	366	Horizontal
2396.958	43.14	68.20	-25.06	CISPR Avg	350	274	Vertical
2399.854	46.56	68.20	-21.64	CISPR Avg	4	360	Vertical
2485.413	34.49	54.00	-19.51	CISPR Avg	62	389	Horizontal
2485.791	42.00	54.00	-12.00	CISPR Avg	358	327	Vertical
2486.108	58.30	74.00	-15.70	Peak	355	283	Vertical
5438.972	33.71	54.00	-20.29	CISPR Avg	282	394	Horizontal
5458.100	38.15	54.00	-15.85	CISPR Avg	356	326	Vertical
7314.385	38.34	54.00	-15.66	CISPR Avg	37	238	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.

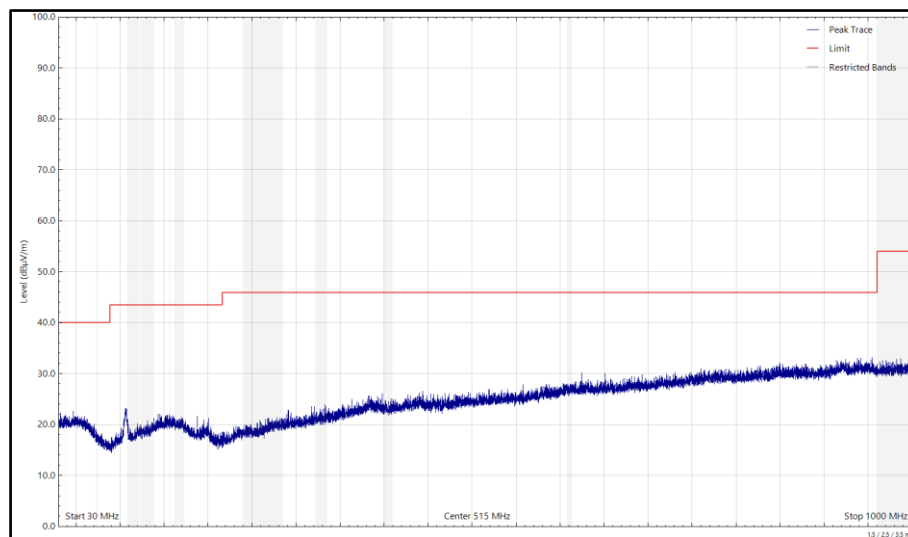


Figure 38 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2450 MHz, DH5, iPA, Core 2, 30 MHz to 1 GHz, Horizontal (Peak)

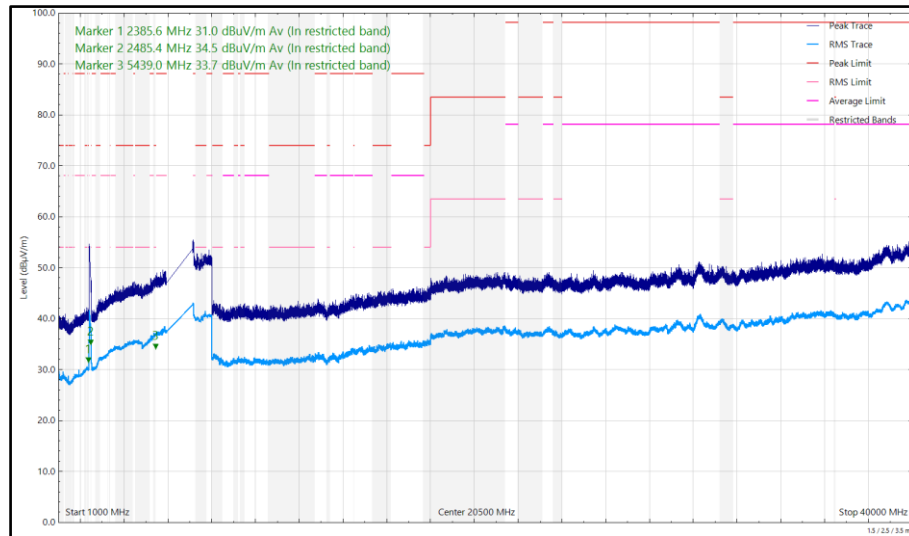


Figure 39 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2450 MHz, DH5, iPA, Core 2, 1 GHz to 40 GHz, Horizontal

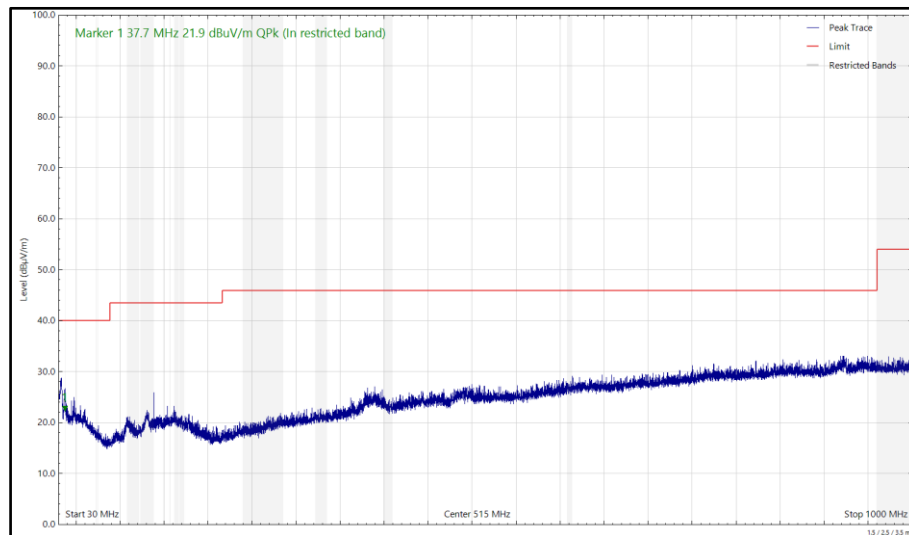


Figure 40 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2450 MHz, DH5, iPA, Core 2, 30 MHz to 1 GHz, Vertical (Peak)

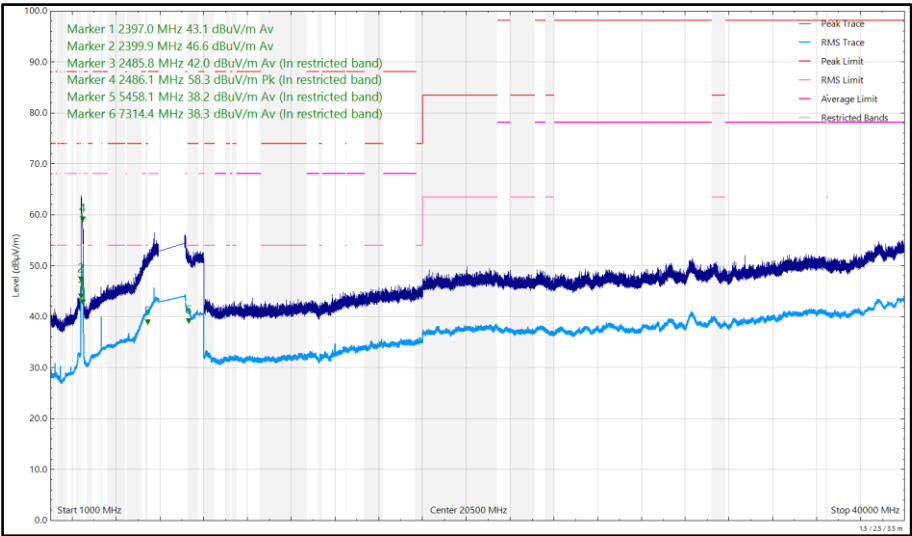


Figure 41 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2450 MHz, DH5, iPA, Core 2, 1 GHz to 40 GHz, Vertical

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 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 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
38.201	20.52	40.00	-19.48	Q-Peak	133	244	Horizontal
38.203	20.47	40.00	-19.53	Q-Peak	293	369	Vertical
116.389	25.04	43.50	-18.46	Q-Peak	351	122	Vertical
2385.422	43.79	54.00	-10.21	Peak	45	362	Horizontal
2386.087	63.30	74.00	-10.70	Peak	6	317	Vertical
2389.937	51.39	54.00	-2.61	RMS	10	356	Vertical
2395.619	57.31	74.00	-16.69	Peak	55	398	Horizontal
2396.209	64.83	74.00	-9.17	Peak	10	315	Vertical
2484.941	36.05	54.00	-17.95	Peak	0	334	Vertical
5148.479	43.44	54.00	-10.56	Peak	10	324	Vertical
5149.828	37.82	54.00	-16.18	Peak	73	394	Horizontal
5335.448	57.33	74.00	-16.67	Peak	359	335	Vertical
5351.046	45.87	54.00	-8.13	Peak	0	329	Vertical
5407.133	57.32	74.00	-16.68	Peak	0	331	Vertical
5446.616	39.73	54.00	-14.27	Peak	45	373	Horizontal
5751.818	57.97	74.00	-16.03	Peak	359	259	Vertical

Table 24 - 2452 MHz (CH9), HT20, Core 0 + Core and 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2420 MHz (CH14), Thread, iPA, Core 2, 30 MHz to 40 GHz

No other emissions found within 20 dB of the limit.

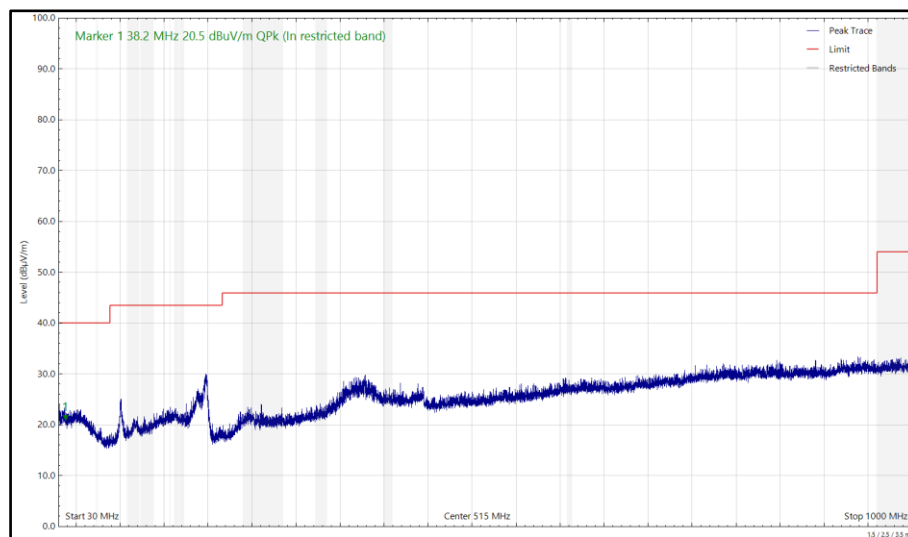


Figure 42 - 2452 MHz (CH9), HT20, Core 0 + Core 1 and 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2420 MHz (CH14), Thread, iPA, Core 2, 30 MHz to 1 GHz, Horizontal (Peak)

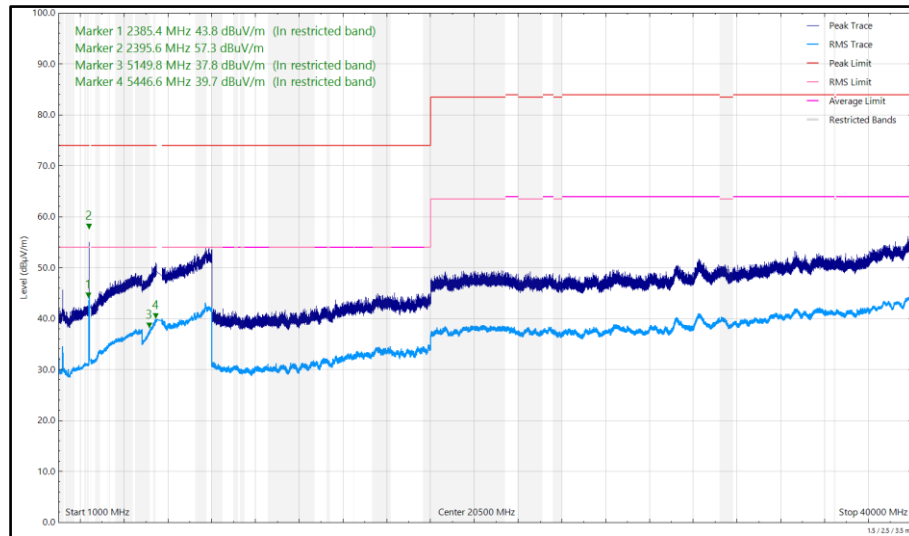


Figure 43 - 2452 MHz (CH9), HT20, Core 0 + Core 1 and 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2420 MHz (CH14), Thread, iPA, Core 2, 1 GHz to 40 GHz, Horizontal

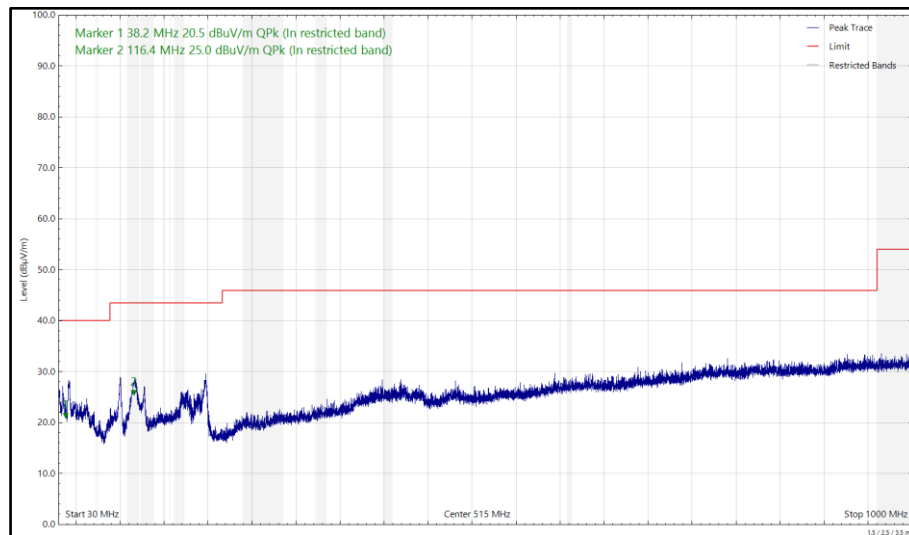


Figure 44 - 2452 MHz (CH9), HT20, Core 0 + Core 1 and 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2420 MHz (CH14), Thread, iPA, Core 2, 30 MHz to 1 GHz, Vertical (Peak)

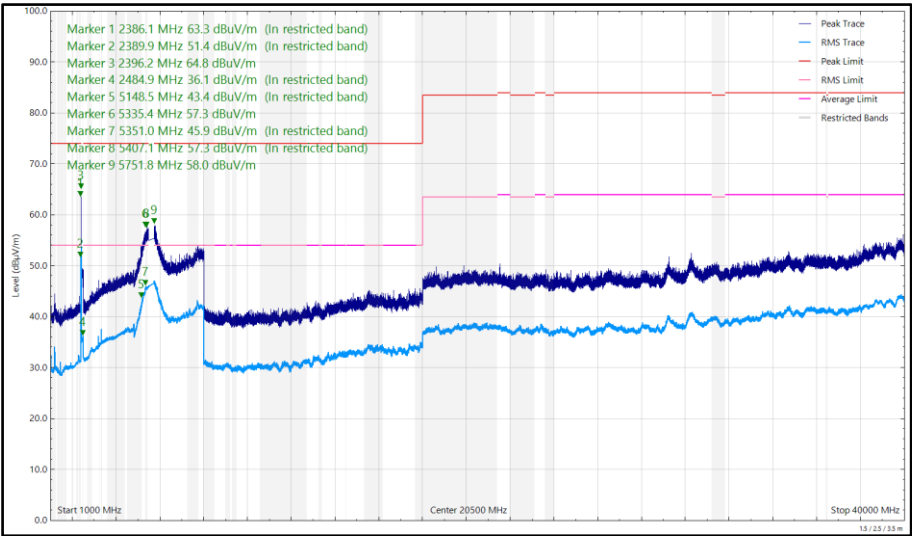


Figure 45 - 2452 MHz (CH9), HT20, Core 0 + Core 1 and 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2420 MHz (CH14), Thread, iPA, Core 2, 1 GHz to 40 GHz, Vertical

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 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)

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
37.695	20.96	40.00	-19.04	Q-Peak	284	259	Vertical
37.779	20.43	40.00	-19.57	Q-Peak	10	344	Horizontal
116.348	22.33	43.50	-21.17	Q-Peak	332	120	Vertical
2385.044	44.25	54.00	-9.75	RMS	57	398	Horizontal
2385.525	51.90	54.00	-2.10	RMS	14	300	Vertical
2385.747	55.69	74.00	-18.31	Peak	57	398	Horizontal
2389.575	63.52	74.00	-10.48	Peak	5	275	Vertical
2395.010	53.48	68.20	-14.72	RMS	12	325	Vertical
2485.010	36.98	54.00	-17.02	RMS	360	292	Vertical
5354.477	42.30	54.00	-11.70	RMS	360	319	Vertical
5453.838	37.01	54.00	-16.99	RMS	95	395	Horizontal

Table 26 - 2452 MHz (CH9), HT20, Core 0 + Core 1 and 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2420 MHz (CH14), Thread, iPA, Core 2, 30 MHz to 40 GHz

No other emissions found within 20 dB of the limit.

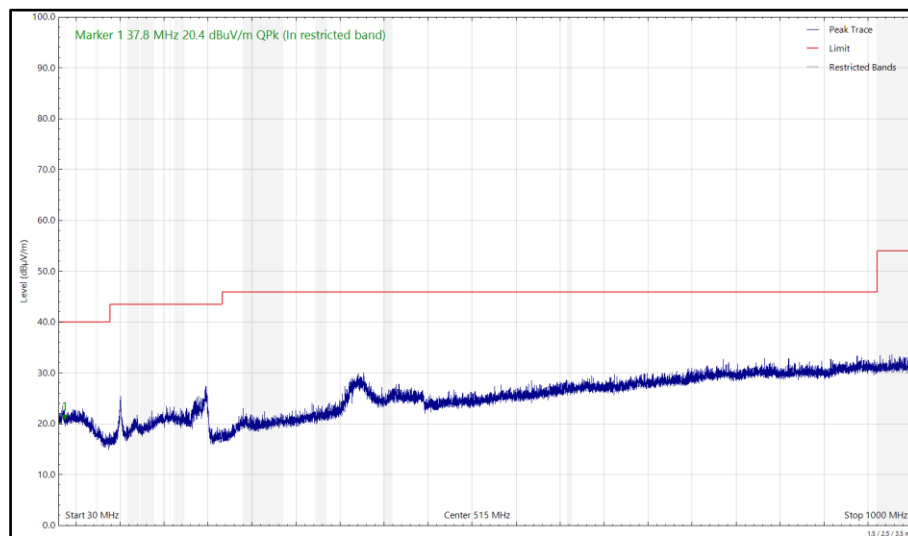


Figure 46 - 2452 MHz (CH9), HT20, Core 0 + Core 1 and 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2420 MHz (CH14), Thread, iPA, Core 2, 30 MHz to 1 GHz, Horizontal (Peak)

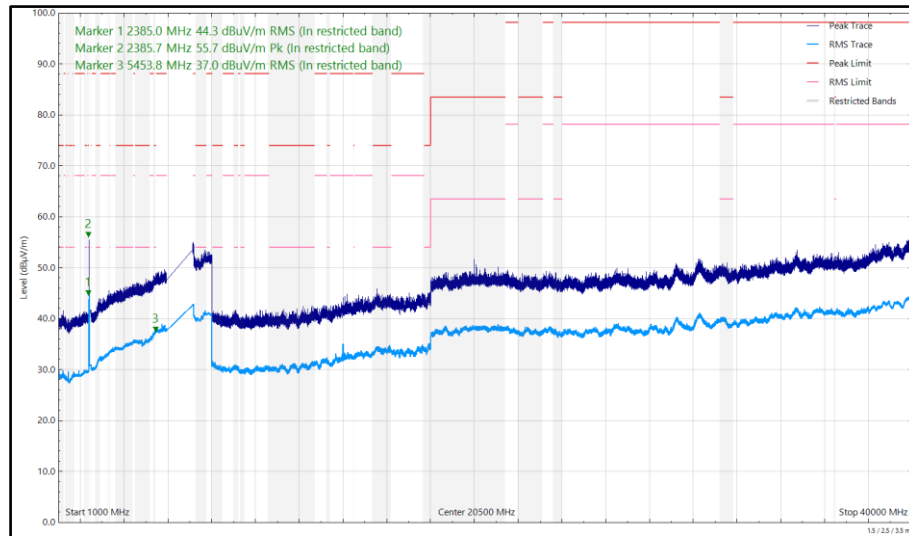


Figure 47 - 2452 MHz (CH9), HT20, Core 0 + Core 1 and 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2420 MHz (CH14), Thread, iPA, Core 2, 1 GHz to 40 GHz, Horizontal

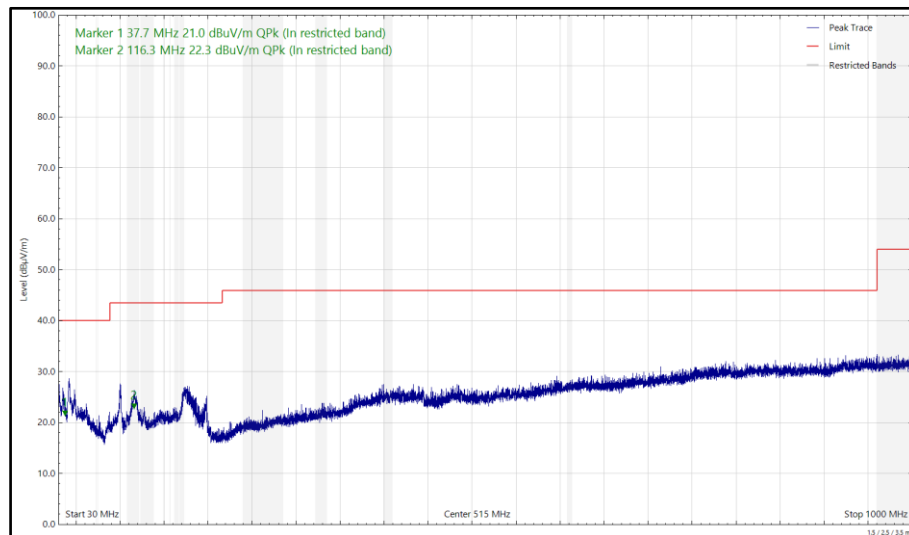


Figure 48 - 2452 MHz (CH9), HT20, Core 0 + Core 1 and 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2420 MHz (CH14), Thread, iPA, Core 2, 30 MHz to 1 GHz, Vertical (Peak)

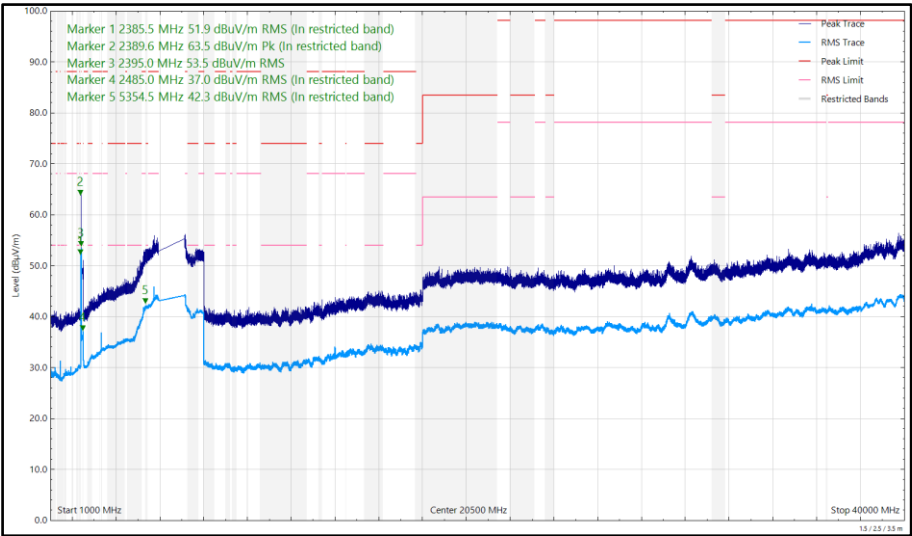


Figure 49 - 2452 MHz (CH9), HT20, Core 0 + Core 1 and 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2420 MHz (CH14), Thread, iPA, Core 2, 1 GHz to 40 GHz, Vertical

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 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 27

2.4 GHz Bluetooth and 5GHz Narrowband

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
38.001	21.58	40.00	-18.42	Q-Peak	181	126	Vertical
2389.094	30.11	54.00	-23.89	CISPR Avg	354	101	Vertical
2486.346	34.63	54.00	-19.37	CISPR Avg	350	325	Vertical
4878.613	33.63	54.00	-20.37	CISPR Avg	355	211	Horizontal
4882.632	36.71	54.00	-17.29	CISPR Avg	18	277	Vertical
5449.515	37.11	54.00	-16.89	CISPR Avg	7	332	Vertical
5719.396	54.14	74.00	-19.86	Peak	354	326	Vertical
7323.300	40.36	54.00	-13.64	CISPR Avg	40	235	Vertical
10669.890	38.45	54.00	-15.55	CISPR Avg	36	245	Vertical
10669.970	36.34	54.00	-17.66	CISPR Avg	277	387	Horizontal

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.

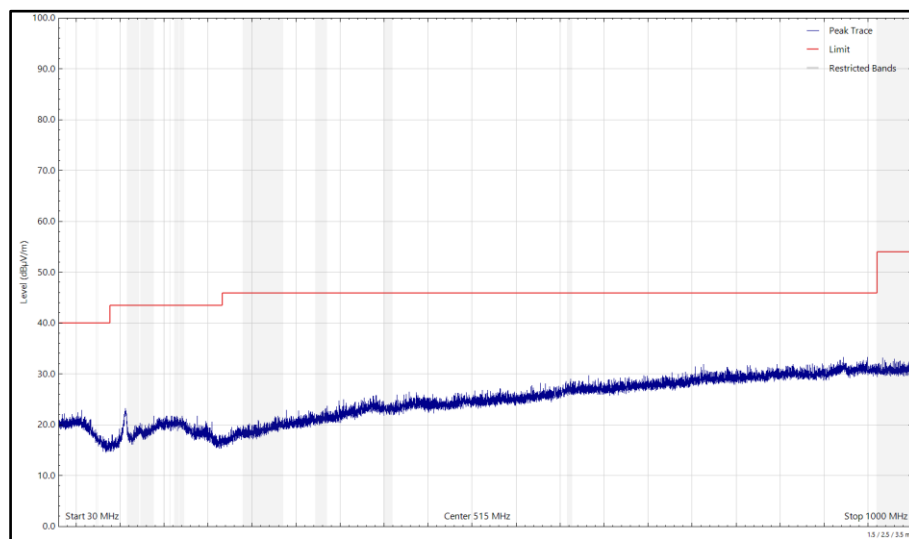


Figure 48 - 2441 MHz, DH5, ePA, Core 0 + Core 1 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

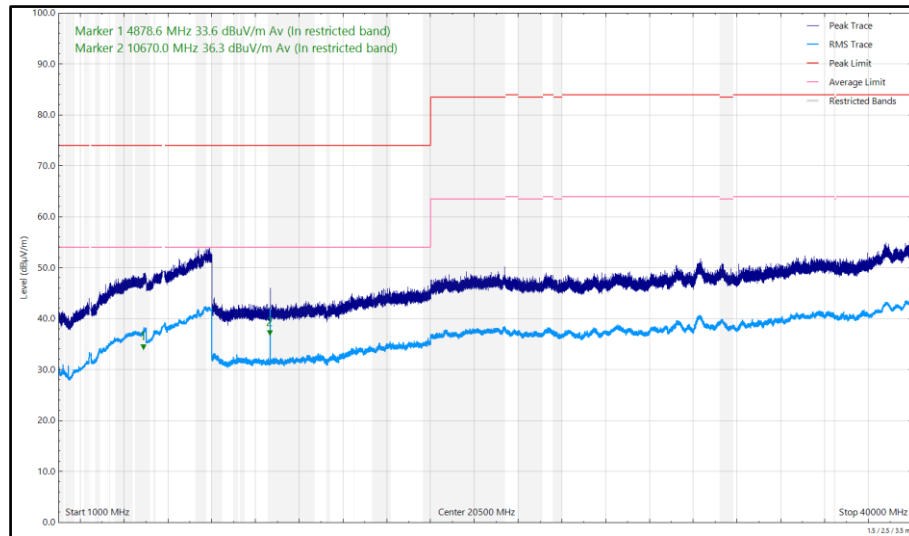


Figure 50 - 2441 MHz, DH5, ePA, Core 0 + Core 1 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

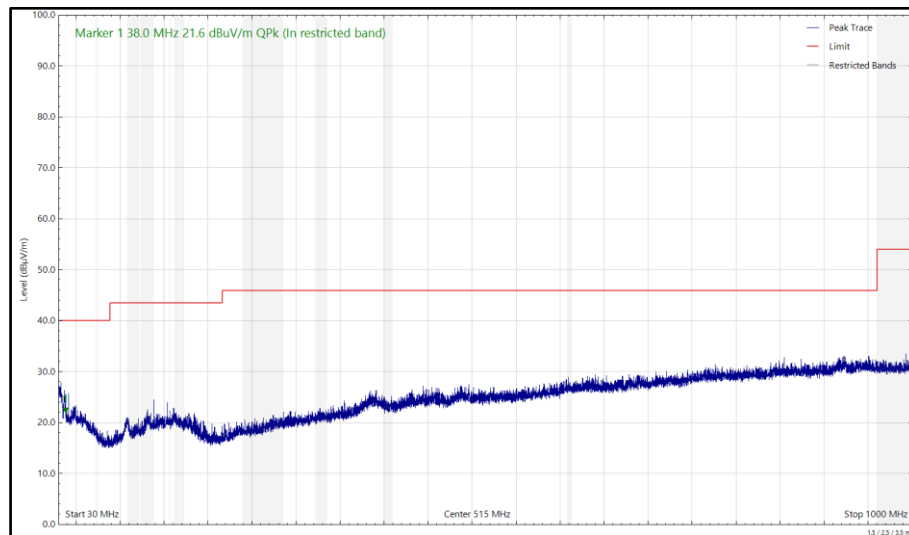


Figure 51 - 2441 MHz, DH5, ePA, Core 0 + Core 1 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

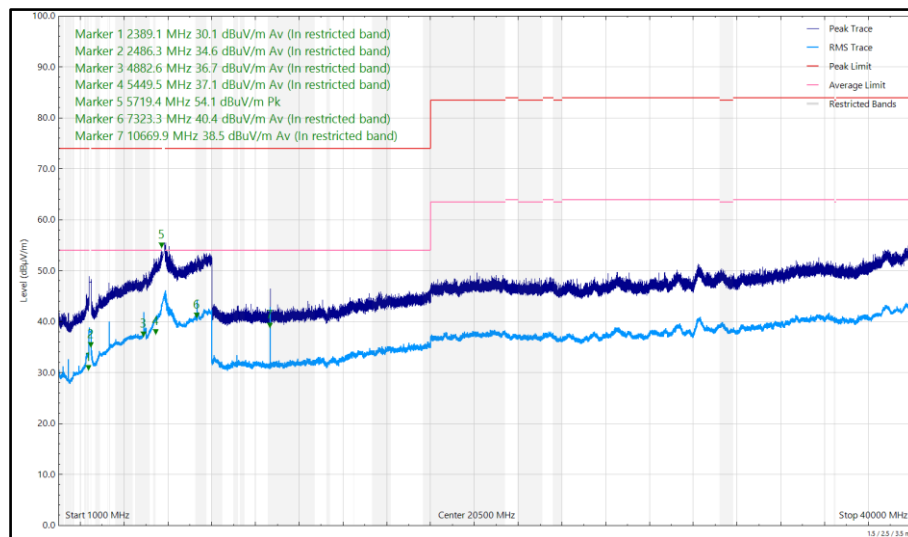


Figure 52 - 2441 MHz, DH5, ePA, Core 0 + Core 1 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Thread and 5GHz Narrowband

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
38.214	21.29	40.00	-18.71	Q-Peak	230	381	Vertical
2389.996	36.02	54.00	-17.98	RMS	10	326	Vertical
2865.928	33.26	54.00	-20.74	RMS	10	361	Vertical
4880.950	40.39	54.00	-13.61	RMS	23	268	Vertical
7321.406	44.53	54.00	-9.47	RMS	77	389	Horizontal
7321.494	45.43	54.00	-8.57	RMS	63	296	Vertical

Table 29 - 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.

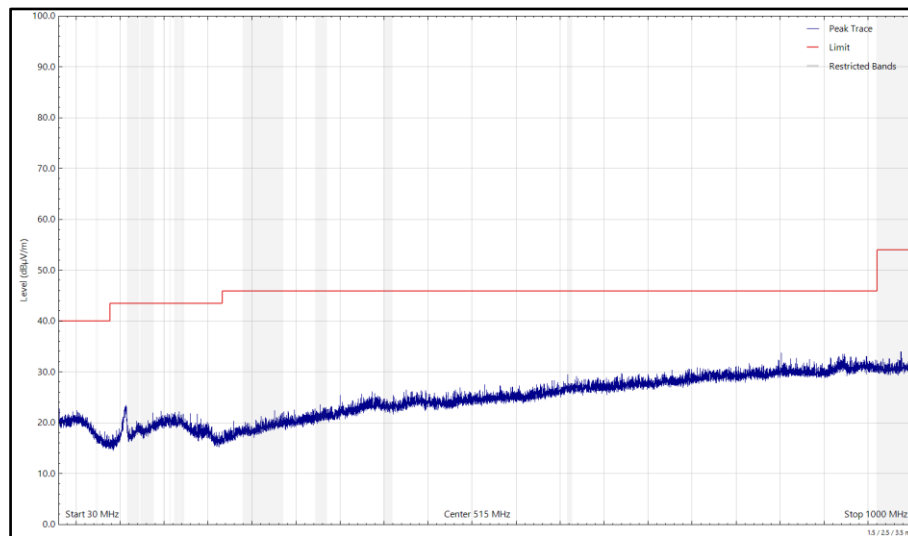


Figure 53 - 2440 MHz (CH18), Thread, ePA, Core 0 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

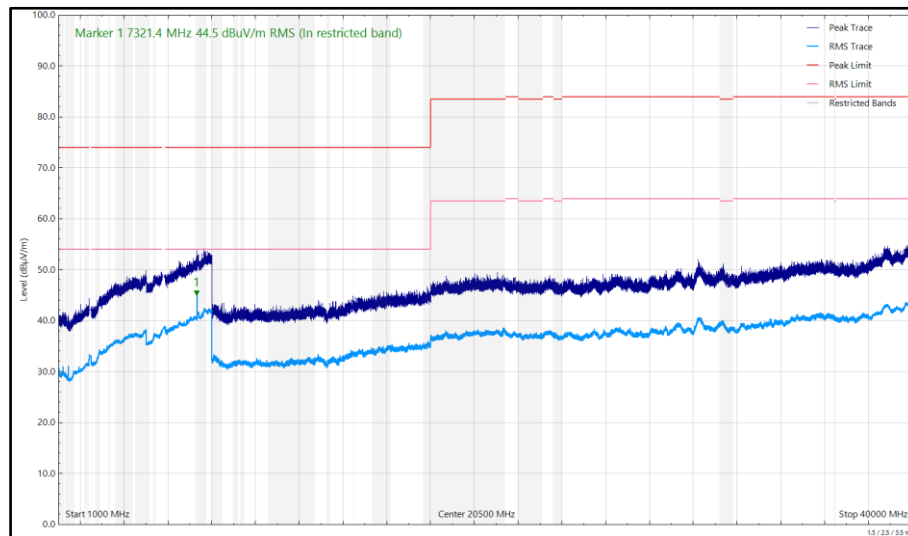


Figure 54 - 2440 MHz (CH18), Thread, ePA, Core 0 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

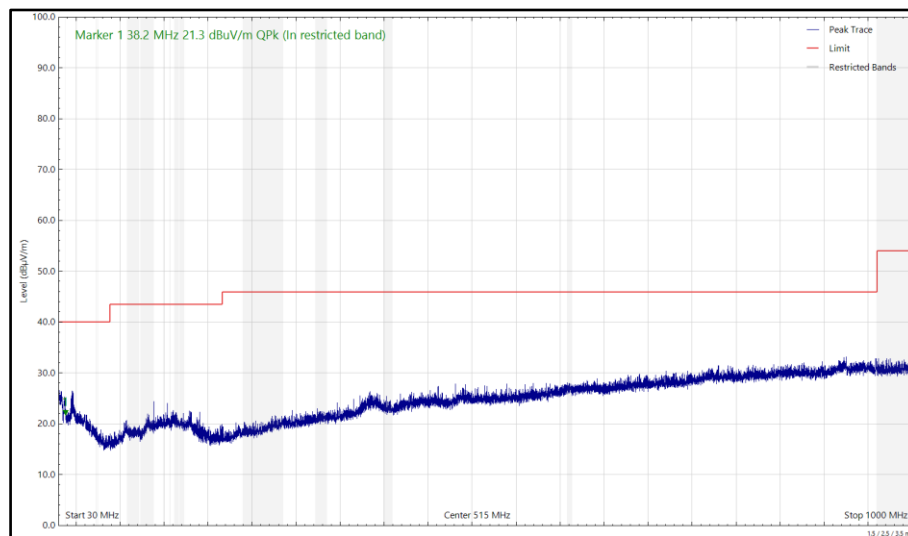


Figure 55 - 2440 MHz (CH18), Thread, ePA, Core 0 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

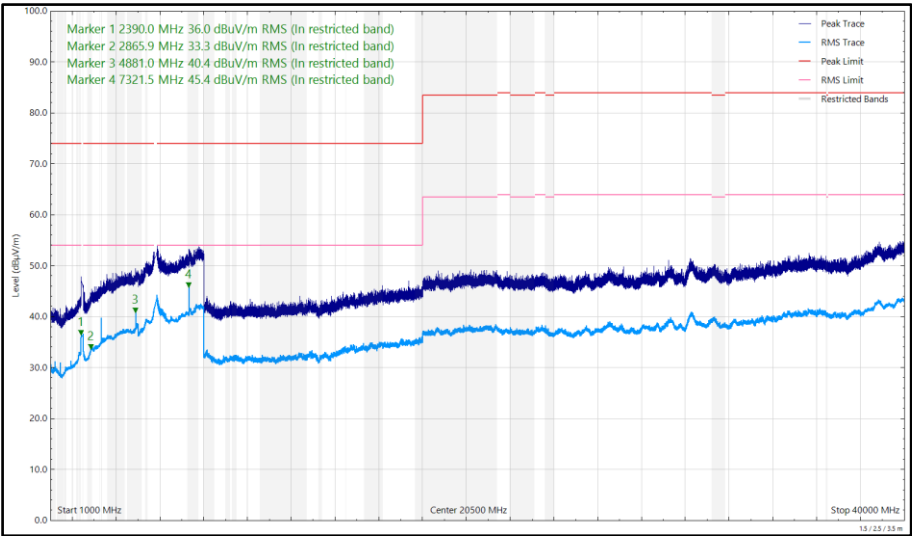


Figure 56 - 2440 MHz (CH18), Thread, ePA, Core 0 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
37.795	21.87	40.00	-18.13	Q-Peak	350	100	Vertical
2389.934	35.89	54.00	-18.11	RMS	352	279	Vertical
2485.800	35.55	54.00	-18.45	RMS	350	252	Vertical

Table 30 - 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.

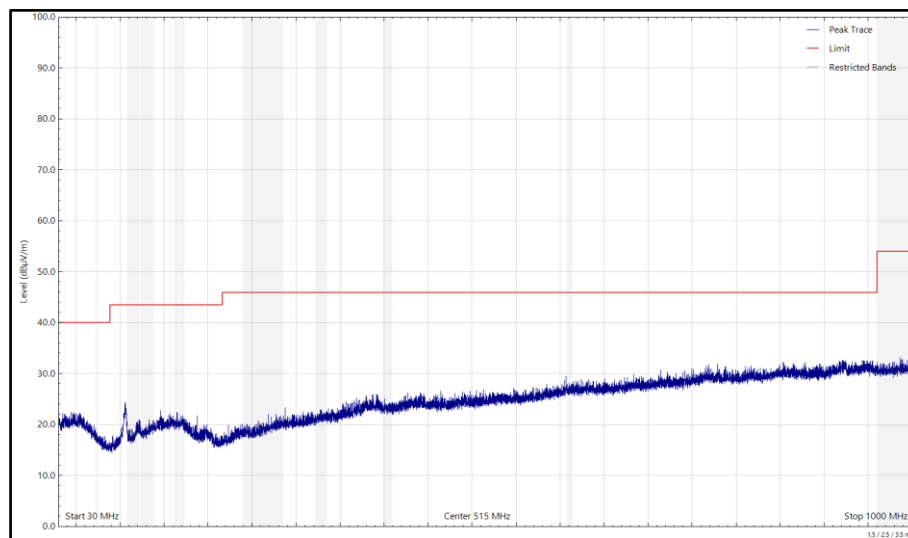


Figure 57 - 2440 MHz (CH18), Thread, ePA, Core 1 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

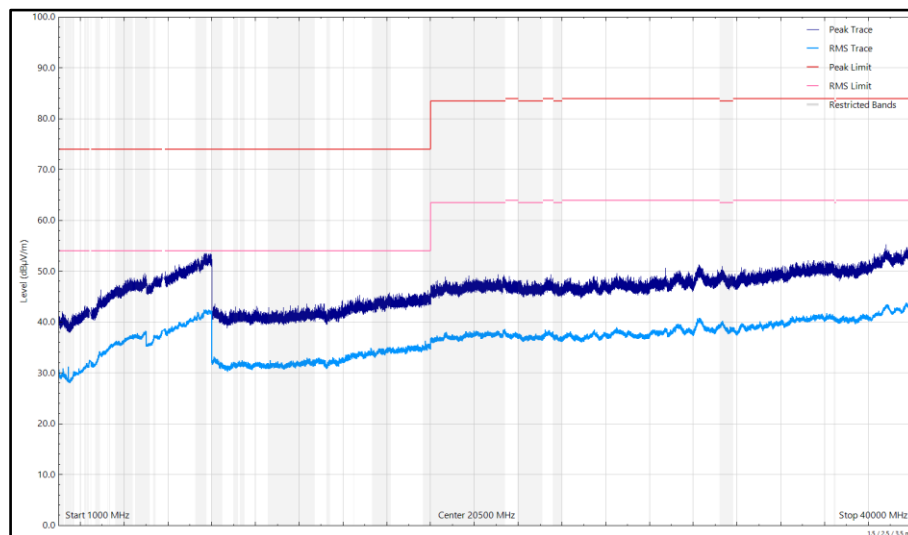


Figure 58 - 2440 MHz (CH18), Thread, ePA, Core 1 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

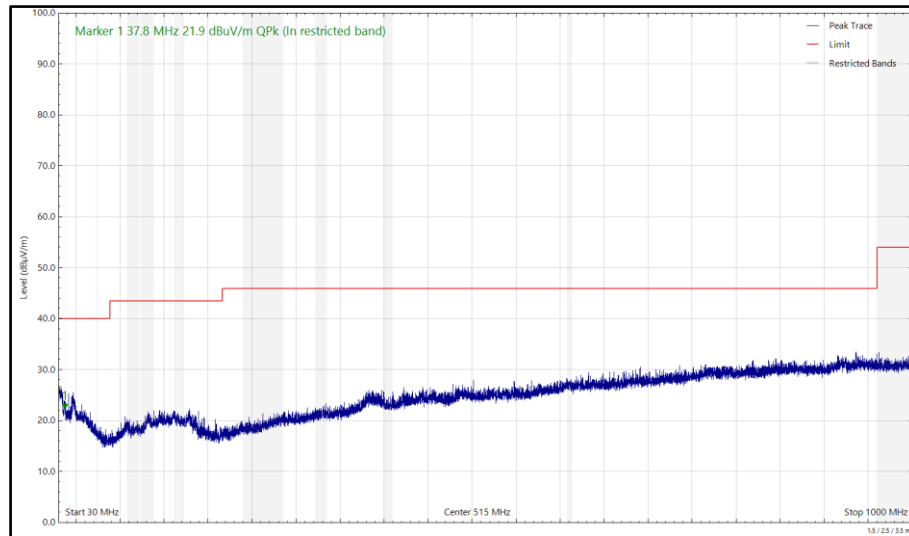


Figure 59 - 2440 MHz (CH18), Thread, ePA, Core 1 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

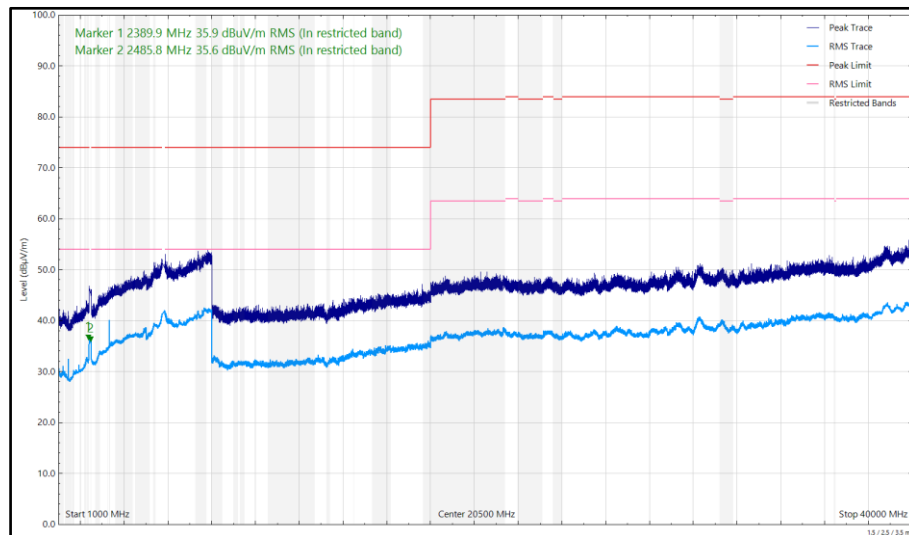


Figure 60 - 2440 MHz (CH18), Thread, ePA, Core 1 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical



2.1.8 Test Location and Test Equipment Used

This test was carried out in RF Chamber 15 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	5941	12	23-May-2027
TRILOG Super Broadband Test Antenna	Schwarzbeck	VULB 9168	5942	24	03-Jan-2027
1500W (300V 12A) AC Power Supply	iTech	IT7324	5956	-	TU
Mast & Turntable Controller	Maturo Gmbh	FCU3.0	5960	-	TU
Tilt Antenna Mast	Maturo Gmbh	BAM4.5-P	5961	-	TU
5m Semi-Anechoic Chamber (Dual-Axis), Chamber 15	Albatross Projects	RF Chamber 15	5963	36	23-Apr-2028
Compact Antenna Mast	Maturo Gmbh	CAM4.0-P	5964	-	TU
Mast & Turntable Controller	Maturo Gmbh	FCU3.0	5966	-	TU
Tilt Antenna Mast	Maturo Gmbh	BAM4.5-P	5967	-	TU
Turntable	Maturo Gmbh	TT1.5SI	5968	-	TU
Cable (SMA to SMA 1m)	Junkosha	MWX221-01000AMSAMS/A	5996	12	19-May-2027
SAC Switch Unit	TUV SUD	TUV_SSU_001	6144	12	05-Dec-2026
Digital Multimeter	Fluke	115	6145	12	02-Jun-2027
Digital Multimeter	Fluke	115	6146	12	03-Jun-2027
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	6196	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	6220	12	23-Apr-2027
EMI Test Receiver	Rohde & Schwarz	ESW44	6333	12	08-May-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
2m Cable	Junkosha	MWX241-02000KMSKMS/B	6742	12	27-Apr-2027
8m Cable	Junkosha	MWX221-08000AMSAMS/B	6748	12	27-Apr-2027
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*
Humidity and Temperature Meter	R.S Components	1364	6346	31-Mar-2026	31-Mar-2027
1m SMA-Type Cable	Junkosha	MWX221-01000AMSAMS/B	6840	12	23-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
SAC Switch Unit	TUV SUD	TUV_SSU_004 PLC	6886	12	02-Dec-2026

Table 31

TU - Traceability Unscheduled

O/P Mon - Output Monitored using calibrated equipment

*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 32

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.