

FCC and ISED Test Report

Apple Inc
Model: A3536



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	17 June 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	George Capps	17 June 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: 2024, 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

Our UKAS Accreditation does not cover opinions and interpretations and any expressed are outside the scope of our UKAS Accreditation. Results of tests not covered by our UKAS Accreditation Schedule are marked NUA (Not UKAS Accredited). Results of tests covered by our Flexible UKAS Accreditation Schedule are marked FS (Flexible Scope).

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Contents

1 Report Summary 2

1.1 Report Modification Record.....2

1.2 Introduction.....2

1.3 Brief Summary of Results 3

1.4 Product Information 6

1.5 Deviations from the Standard.....6

1.6 Identification of the EUT 6

1.7 EUT Modification Record 6

1.8 Test Location 7

2 Test Details 9

2.1 Radiated Spurious Emissions (Simultaneous Transmission) 9

3 Measurement Uncertainty 58



1 Report Summary

1.1 Report Modification Record

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

Issue	Description of Change	Date of Issue
1	First Issue	17 June 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: 2024 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	06-March-2026
Finish of Test	28-May-2026
Name of Engineer(s)	Ian Hart, Zeeshan Zia, Marius Vasii, Colin Brain, Gridi Bilali, Tony Baby, Manohar Thota, Nathan Ocom, Dulanjan Witharamalage, Akhil Rajendran Bhaskaran Nair, Morsalin Hossain, 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 C63.4 (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: 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 C63.4 (2014) ANSI C63.10 (2020) +Cor.1- 2023+C63.10a-2024 KDB 789033 D02 v02r01
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 C63.4 (2014) ANSI C63.10 (2020) +Cor.1- 2023+C63.10a-2024 KDB 789033 D02 v02r01 KDB 987594 D02 v03



Section	Specification Clause				Test Description	Result	Comments/Base Standard
Configuration and Mode 2.4 GHz WLAN and 2.4 GHz Bluetooth and 5 GHz Narrowband							
2.1	15.209, 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 and 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 C63.4 (2014) ANSI C63.10 (2020) +Cor.1- 2023+C63.10a-2024 KDB 789033 D02 v02r01
Configuration and Mode: 2.4 GHz WLAN and 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 and 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



Section	Specification Clause				Test Description	Result	Comments/Base Standard
Configuration and Mode: 2.4 GHz WLAN and Thread and 5 GHz WLAN							
2.1	15.209, 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 and 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
Configuration and Mode: 2.4 GHz Bluetooth and 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: A3536		
Serial Number	Hardware Version	Software Version
DJVBX2JRPY6	REV1.0	26A259
M74CDJR45F	REV1.0	26A285
L54D24HM9W	REV1.0	26A285
FP32FNP6Q6	REV1.0	26A285

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: A3536, Serial Number: FP32FNP6Q6			
0	As supplied by the customer	Not Applicable	Not Applicable
Model: A3536, Serial Number: L54D24HM9W			
0	As supplied by the customer	Not Applicable	Not Applicable
Model: A3536, Serial Number: DJVBX2JRPY6			
0	As supplied by the customer	Not Applicable	Not Applicable
Model: A3536, Serial Number: M74CDJR45F			
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)	Ian Hart, Zeeshan Zia, Marius Vasii, Colin Brain, Gridi Bilali	UKAS
Configuration and Mode: 6 GHz WLAN and 2.4 GHz Bluetooth		
Radiated Spurious Emissions (Simultaneous Transmission)	Ian Hart, Zeeshan Zia, Marius Vasii, Colin Brain, Gridi Bilali	UKAS
Configuration and Mode: 2.4 GHz Bluetooth and Narrowband		
Radiated Spurious Emissions (Simultaneous Transmission)	Zeeshan Zia, Ian Hart, Marius Vasi	UKAS
Configuration and Mode: Thread and 5GHz Narrowband		
Radiated Spurious Emissions (Simultaneous Transmission)	Ian Hart, Tony Baby, Marius Vasii, Manohar Thota, Thilanka Savirunath Liyanage	UKAS
Configuration and Mode: 5 GHz WLAN and Thread		
Radiated Spurious Emissions (Simultaneous Transmission)	Ian Hart, Zeeshan Zia, Marius Vasii	UKAS
Configuration and Mode: 6 GHz WLAN and Thread		
Radiated Spurious Emissions (Simultaneous Transmission)	Ian Hart, Zeeshan Zia, Marius Vasii	UKAS
Configuration and Mode: 2.4 GHz WLAN, 2.4 GHz Bluetooth and 5 GHz Narrowband		
Radiated Spurious Emissions (Simultaneous Transmission)	Gridi Bilali, Morsalin Hossain, Akhil Rajendran Bhaskaran Nair	UKAS
Configuration and Mode: 2.4 GHz WLAN, Thread and 5 GHz Narrowband		
Radiated Spurious Emissions (Simultaneous Transmission)	Morsalin Hossain, Dulanjan Witharamalage, Gridi Bilali, Akhil Rajendran Bhaskaran Nair	UKAS
Configuration and Mode: 2.4 GHz WLAN, 2.4 GHz Bluetooth and 5 GHz WLAN		
Radiated Spurious Emissions (Simultaneous Transmission)	Marius Vasii, Tony Baby, Ian Hart	UKAS
Configuration and Mode: 2.4 GHz WLAN, 2.4 GHz Bluetooth and 6 GHz WLAN		
Radiated Spurious Emissions (Simultaneous Transmission)	Nathan Ocom, Gridi Bilali, Akhil Rajendran Bhaskaran Nair	UKAS



Configuration and Mode: 2.4 GHz WLAN, Thread and 5 GHz WLAN		
Radiated Spurious Emissions (Simultaneous Transmission)	Morsalin Hossain, Dulanjan Witharamalage, Gridi Bilali, Akhil Rajendran Bhaskaran Nair	UKAS
Configuration and Mode: 2.4 GHz WLAN, Thread and 6 GHz WLAN		
Radiated Spurious Emissions (Simultaneous Transmission)	Morsalin Hossain, Dulanjan Witharamalage, Gridi Bilali, Akhil Rajendran Bhaskaran Nair	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

A3536, S/N: DJVX2JRPY6 - Modification State 0
A3536, S/N: M74CDJR45F - Modification State 0
A3536, S/N: L54D24HM9W - Modification State 0
A3536, S/N: FP32FNP6Q6 - Modification State 0

2.1.3 Date of Test

06-March-2026 to 28-May-2026

2.1.4 Test Method

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

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

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

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

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

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

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

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

Radiated spurious emissions tests have been conducted in DH5 (high power) mode for Narrowband technology as this represents the worst case with respect to Power and PSD.

2.1.5 Example Test Setup Diagram

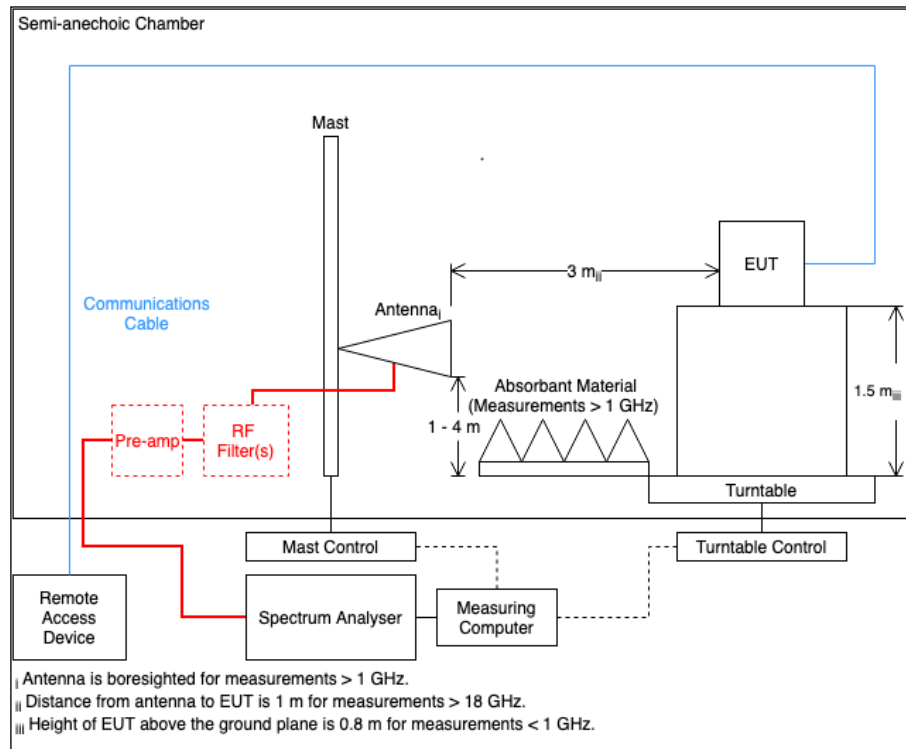


Figure 1

2.1.6 Environmental Conditions

Ambient Temperature	18.5 - 24.2 °C
Relative Humidity	35.1 - 44.6 %

2.1.7 Test Results

5 GHz WLAN and 2.4 GHz Bluetooth

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
2386.380	33.50	54.00	-20.50	CISPR Avg	350	300	Vertical
2484.106	34.92	54.00	-19.08	CISPR Avg	42	390	Vertical
2485.342	32.31	54.00	-21.69	CISPR Avg	54	391	Horizontal
5425.698	42.59	54.00	-11.41	CISPR Avg	360	346	Vertical
5449.533	57.19	74.00	-16.81	Peak	354	321	Vertical
5456.121	38.13	54.00	-15.87	CISPR Avg	293	388	Horizontal

Table 6 - 5640MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2441 MHz (CH39), DH5, ePA, Core 0 + Core 1, 30 MHz to 40 GHz

No other emissions found within 20 dB of the limit.

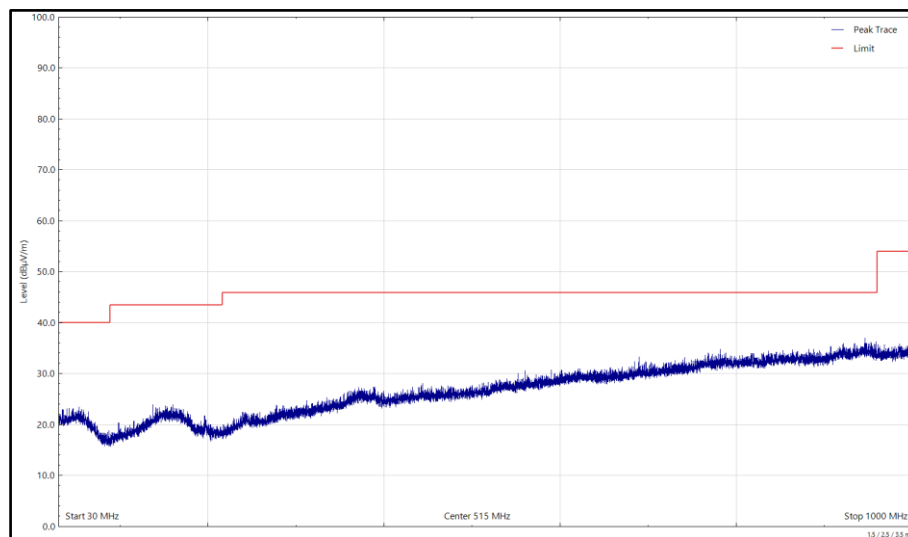


Figure 2 - 5640MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2441 MHz (CH39), DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

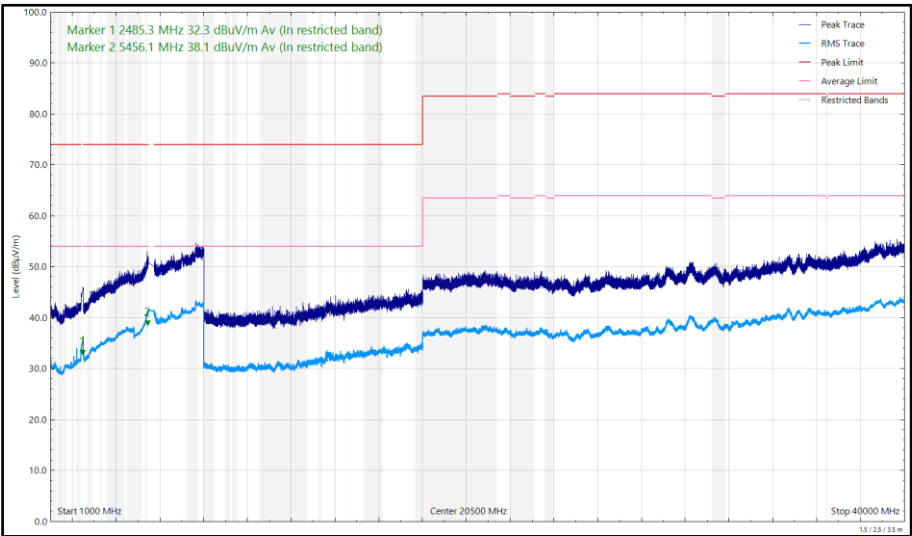


Figure 3 - 5640MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2441 MHz (CH39), DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

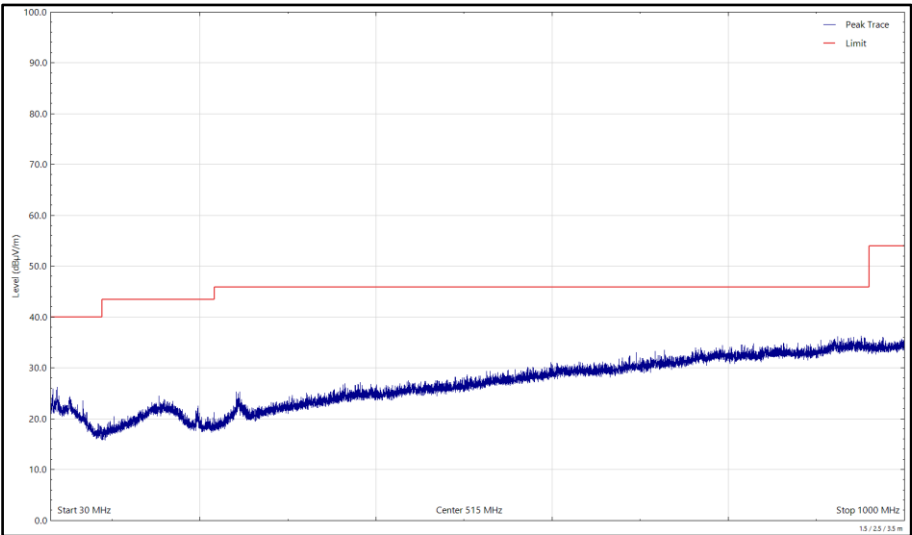


Figure 4 - 5640MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2441 MHz (CH39), DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

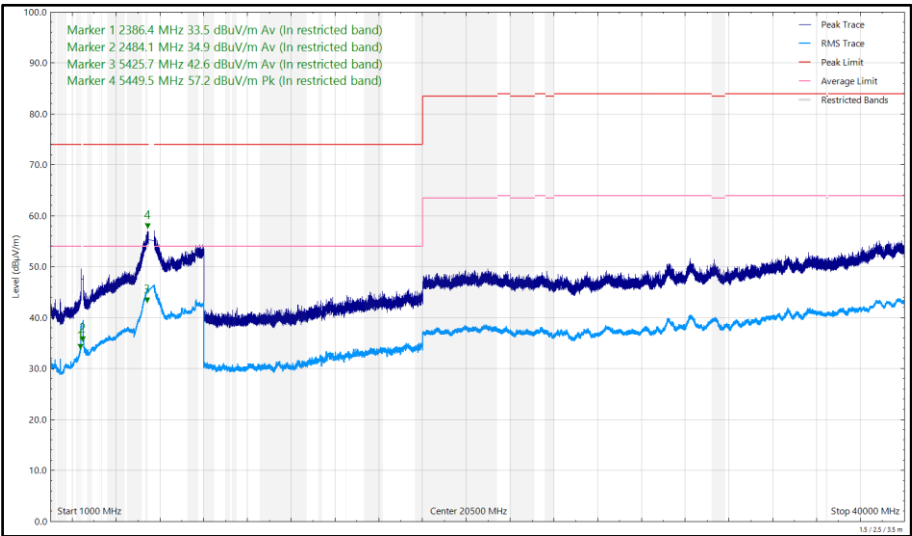


Figure 5 - 5640MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2441 MHz (CH39), DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

FCC 47 CFR Part 15, ISSED RSS-247 and ISSED 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
2388.212	33.22	54.00	-20.78	CISPR Avg	2	318	Vertical
2485.158	35.05	54.00	-18.95	CISPR Avg	36	390	Vertical
2485.424	32.43	54.00	-21.57	CISPR Avg	53	394	Horizontal
5449.233	34.36	54.00	-19.64	CISPR Avg	244	384	Horizontal
5454.190	38.99	54.00	-15.01	CISPR Avg	360	322	Vertical
7265.408	38.12	54.00	-15.88	CISPR Avg	53	276	Vertical
7286.197	35.88	54.00	-18.12	CISPR Avg	258	216	Horizontal

Table 8 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2441 MHz (CH39), DH5, ePA, Core 0 + Core 1, 30 MHz to 40 GHz

No other emissions found within 20 dB of the limit.

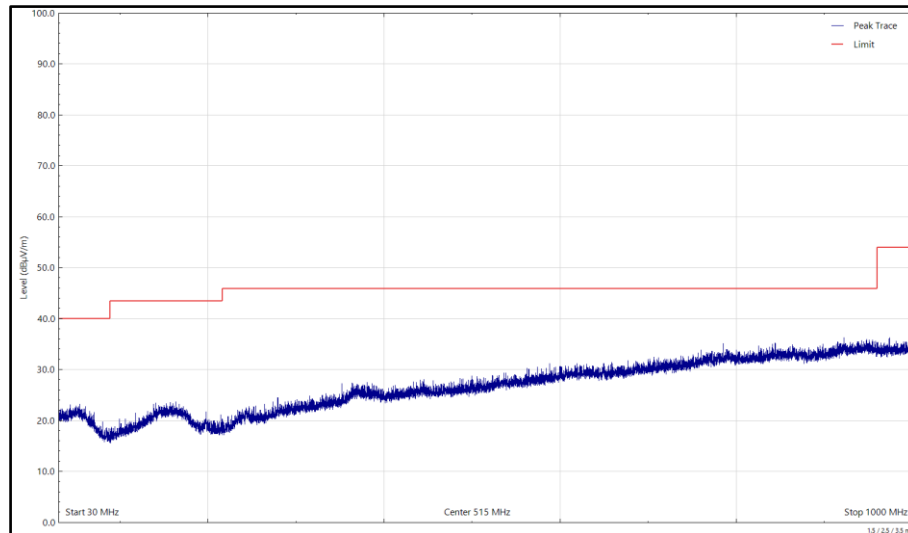


Figure 6 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2441 MHz (CH39), DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

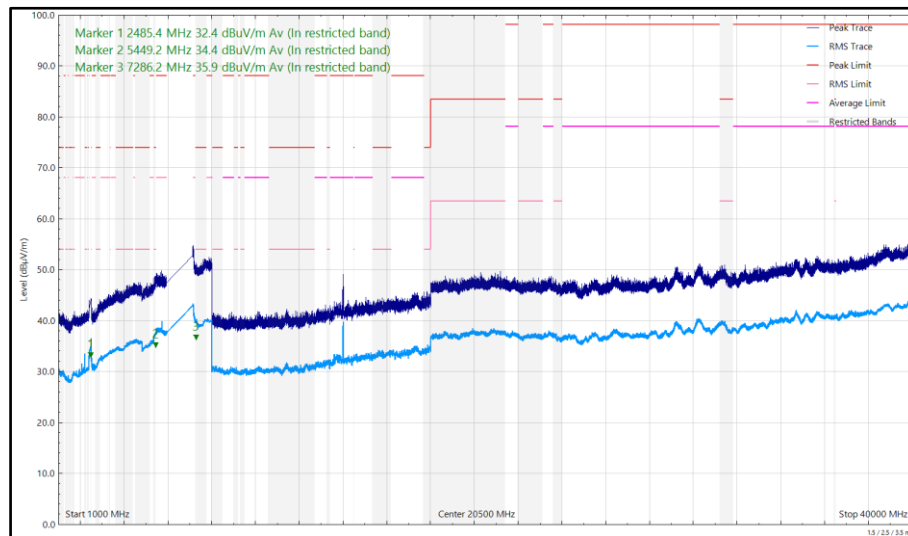


Figure 7 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2441 MHz (CH39), DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

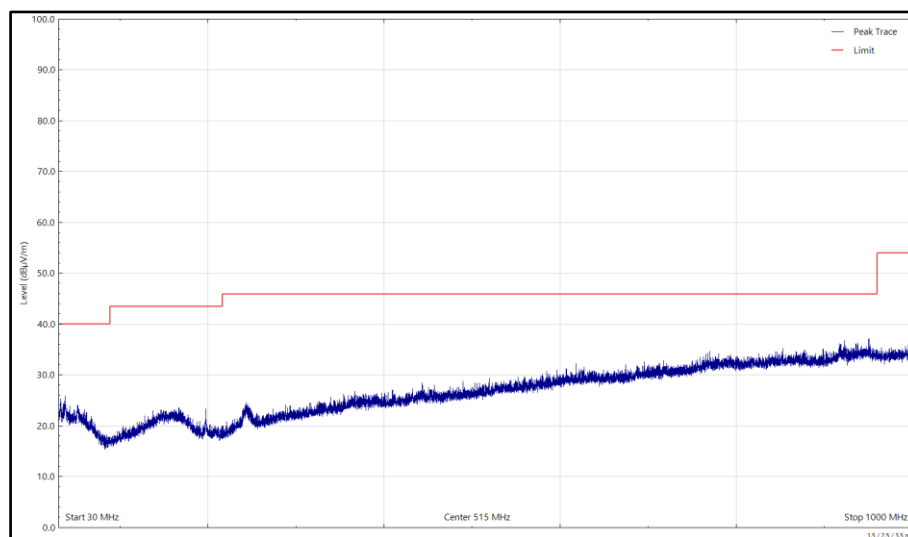


Figure 8 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2441 MHz (CH39), DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

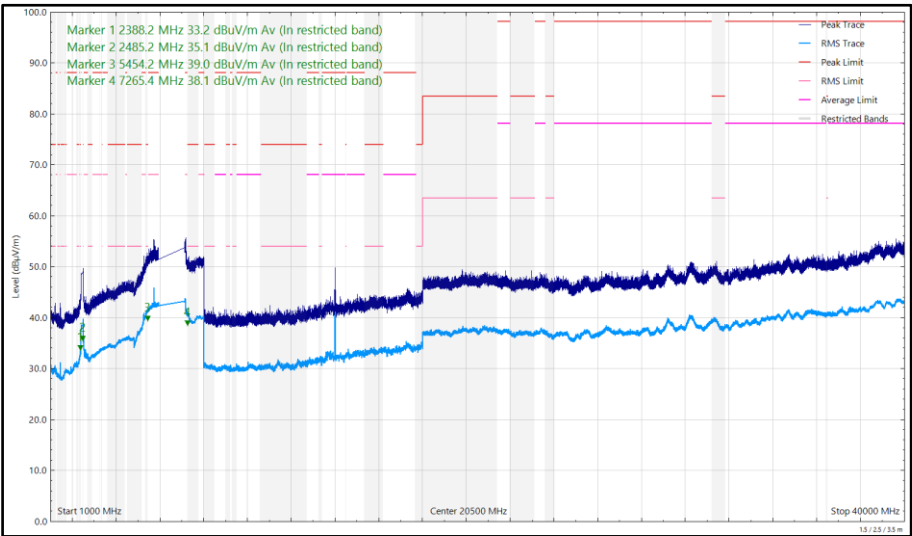


Figure 9 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2441 MHz (CH39), DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

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 dBμV/m at 3m, Average 54 dBμV/m at 3m (Restricted bands > 1 GHz)

Table 9

5 GHz WLAN and Thread

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
37.851	20.85	40.00	-19.15	Q-Peak	213	190	Vertical
2389.367	34.68	54.00	-19.32	RMS	358	338	Vertical
2484.225	37.16	54.00	-16.84	RMS	42	400	Vertical
2484.316	35.04	54.00	-18.96	RMS	54	389	Horizontal
5149.596	40.45	54.00	-13.55	RMS	360	308	Vertical
5409.200	39.56	54.00	-14.44	RMS	294	342	Horizontal
5430.818	44.00	54.00	-10.00	RMS	350	332	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.

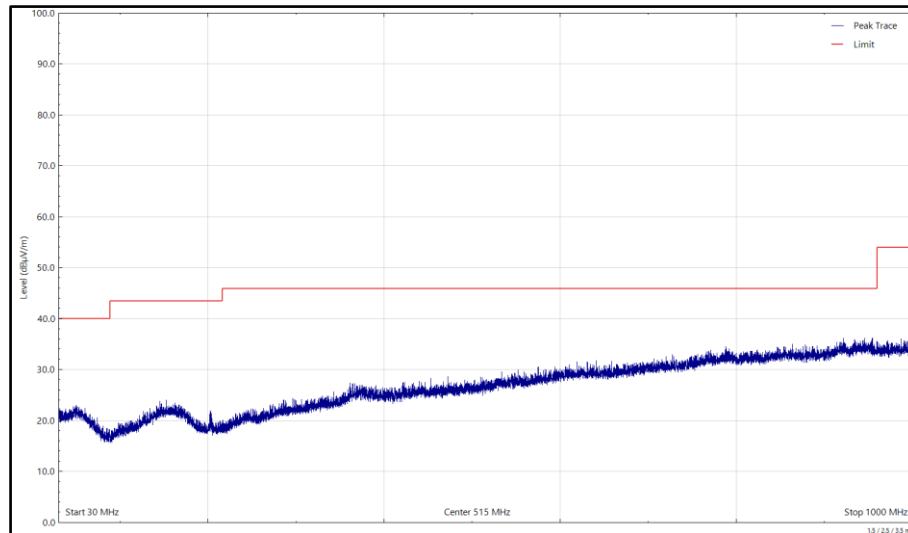


Figure 10 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 0, 30 MHz to 1 GHz, Horizontal (Peak)

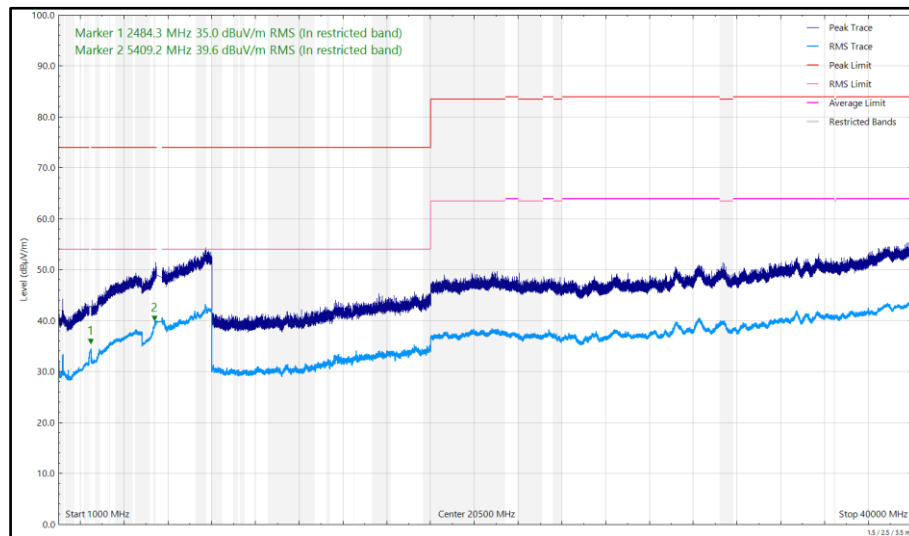


Figure 11 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 0, 1 GHz to 40 GHz, Horizontal

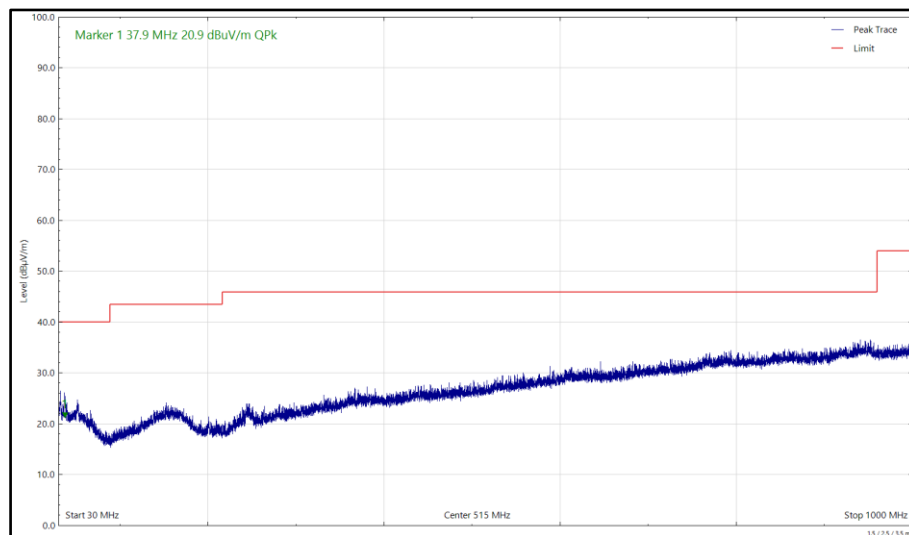


Figure 12 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 0, 30 MHz to 1 GHz, Vertical (Peak)

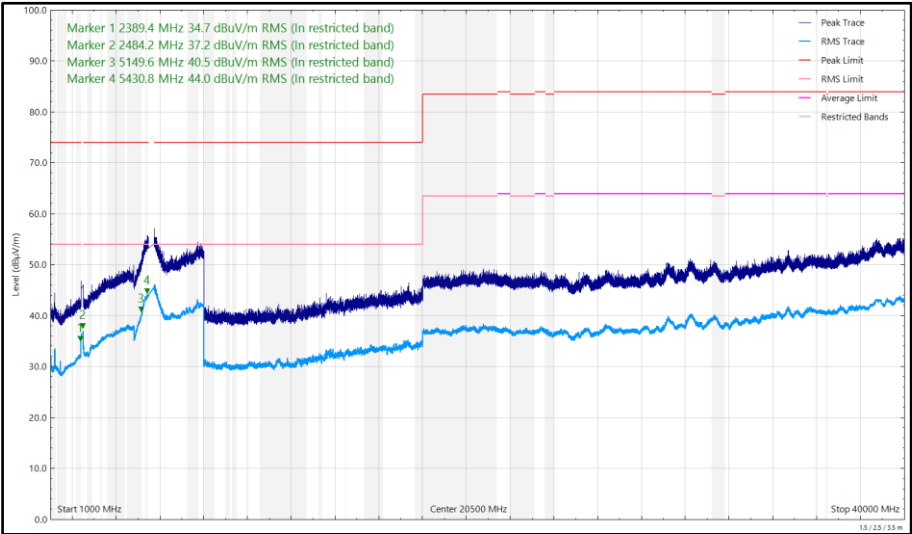


Figure 13 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 0, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
37.763	19.98	40.00	-20.02	Q-Peak	294	378	Vertical
2389.836	36.23	54.00	-17.77	RMS	343	397	Vertical
2483.714	36.46	54.00	-17.54	RMS	343	372	Vertical
2484.147	36.51	54.00	-17.49	RMS	348	369	Vertical
5146.940	40.50	54.00	-13.50	RMS	0	333	Vertical
5419.209	55.42	74.00	-18.58	Peak	0	318	Vertical
5420.718	44.09	54.00	-9.91	RMS	0	318	Vertical
5432.061	37.00	54.00	-17.00	RMS	290	396	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.

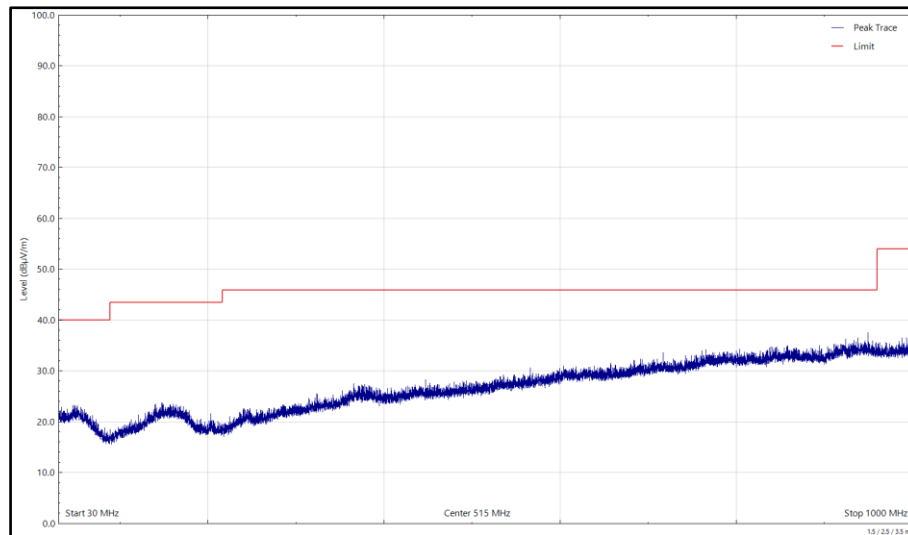


Figure 14 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

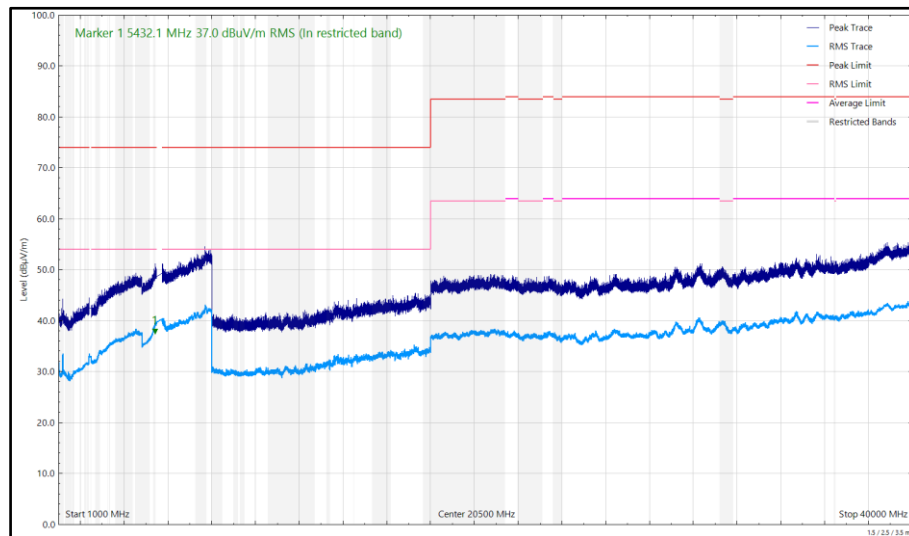


Figure 15 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 1, 1 GHz to 40 GHz, Horizontal

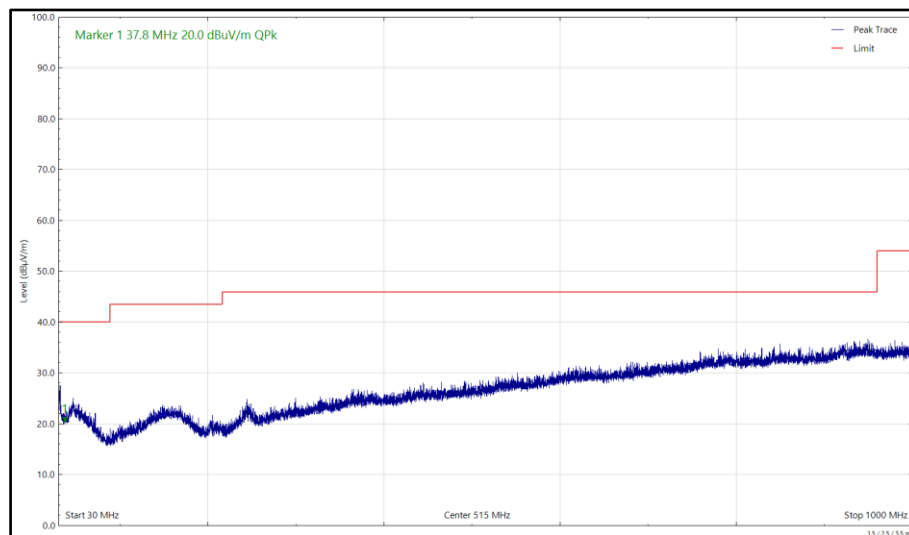


Figure 16 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 1, 30 MHz to 1 GHz, Vertical (Peak)

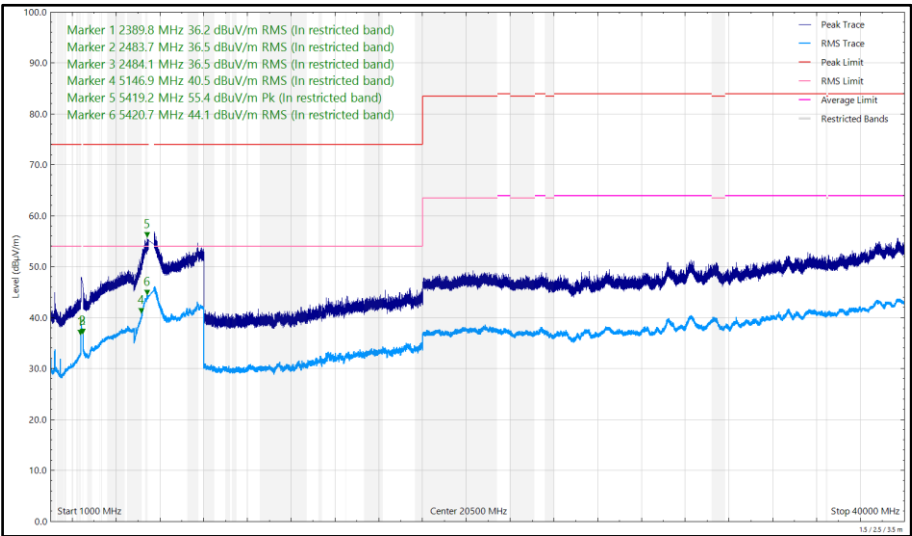


Figure 17 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 1, 1 GHz to 40 GHz, Vertical

FCC 47 CFR Part 15, ISSED RSS-247 and ISSED 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 12

6 GHz WLAN and Thread

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
37.580	20.67	40.00	-19.33	Q-Peak	69	102	Vertical
37.935	19.95	40.00	-20.05	Q-Peak	37	325	Horizontal
2389.815	34.41	54.00	-19.59	RMS	0	330	Vertical
2484.200	35.63	54.00	-18.37	RMS	30	250	Vertical
5454.489	40.23	54.00	-13.77	RMS	350	270	Vertical
5459.371	36.58	54.00	-17.42	RMS	38	383	Horizontal

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.

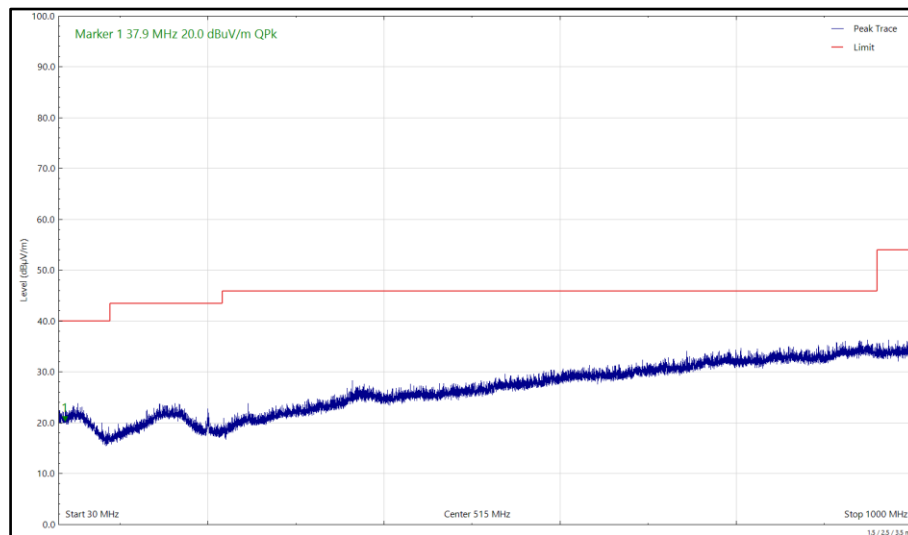


Figure 18 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 0, 30 MHz to 1 GHz, Horizontal (Peak)

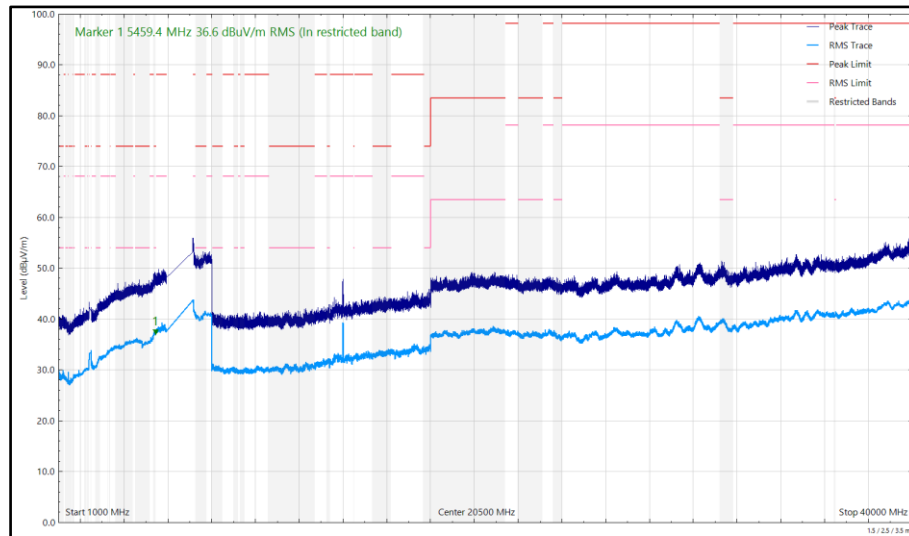


Figure 19 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 0, 1 GHz to 40 GHz, Horizontal

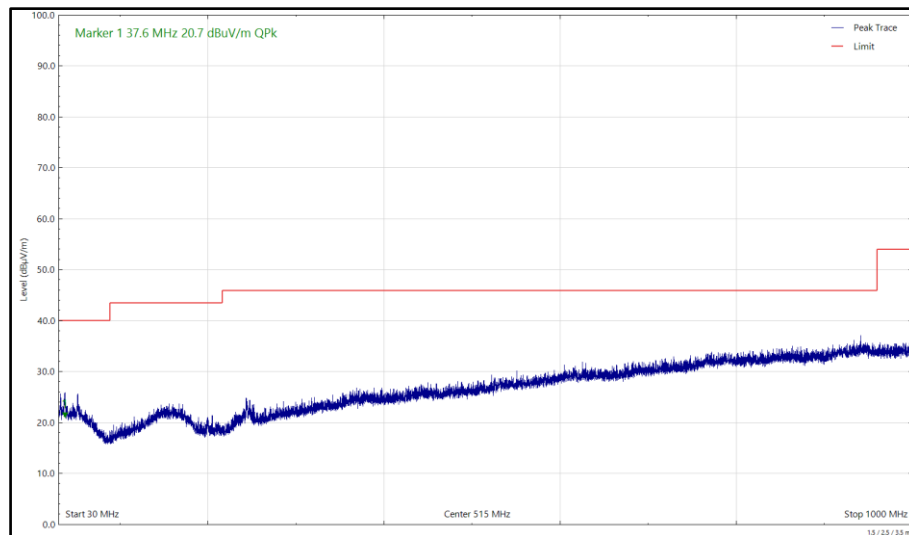


Figure 20 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 0, 30 MHz to 1 GHz, Vertical (Peak)

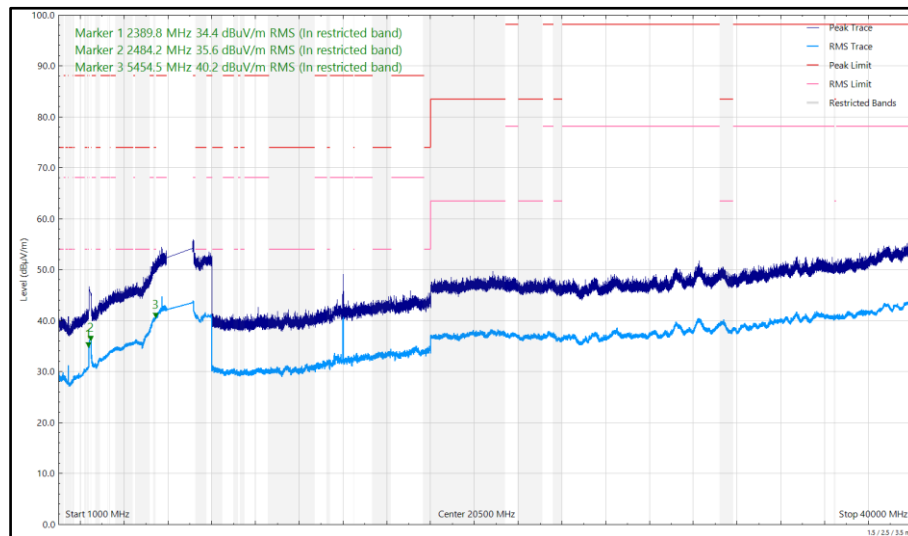


Figure 21 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 0, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
38.159	20.04	40.00	-19.96	Q-Peak	297	310	Horizontal
38.199	20.40	40.00	-19.60	Q-Peak	6	168	Vertical
2389.757	36.76	54.00	-17.24	RMS	345	361	Vertical
2484.050	36.26	54.00	-17.74	RMS	340	306	Vertical
5458.057	40.73	54.00	-13.27	RMS	0	337	Vertical
5459.166	36.83	54.00	-17.17	RMS	103	381	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.

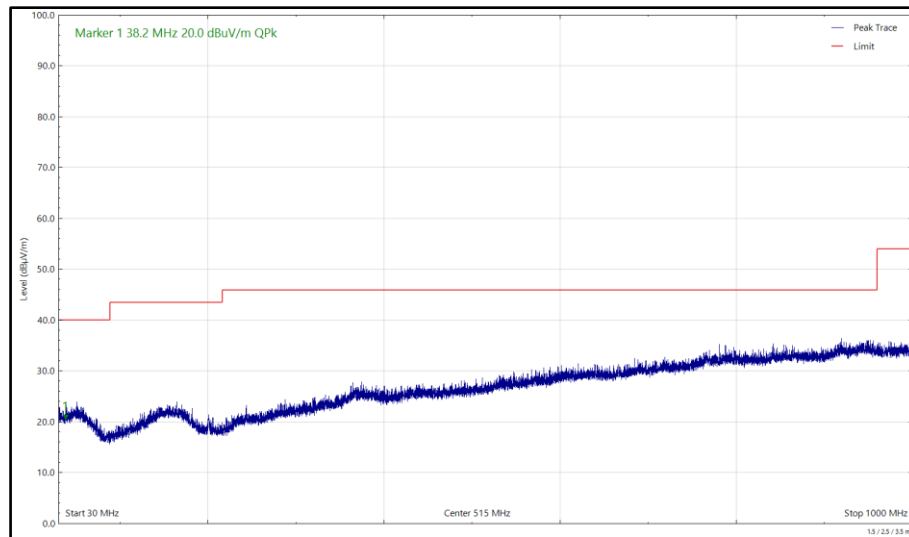


Figure 22 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

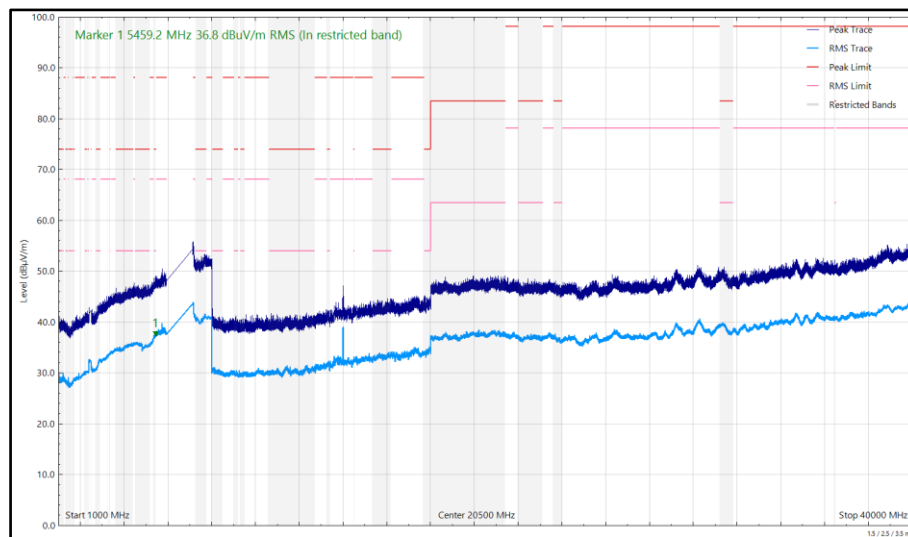


Figure 23 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 1, 1 GHz to 40 GHz, Horizontal

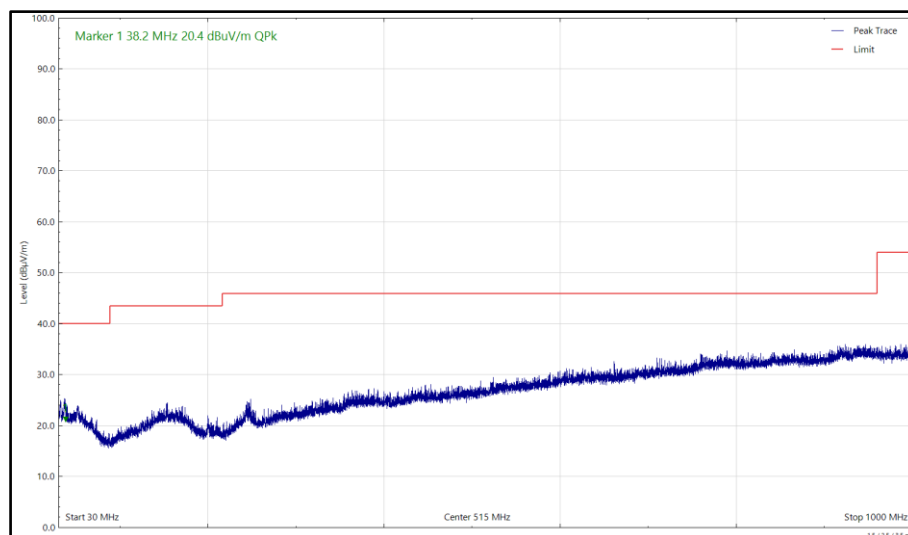


Figure 24 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 1, 30 MHz to 1 GHz, Vertical (Peak)

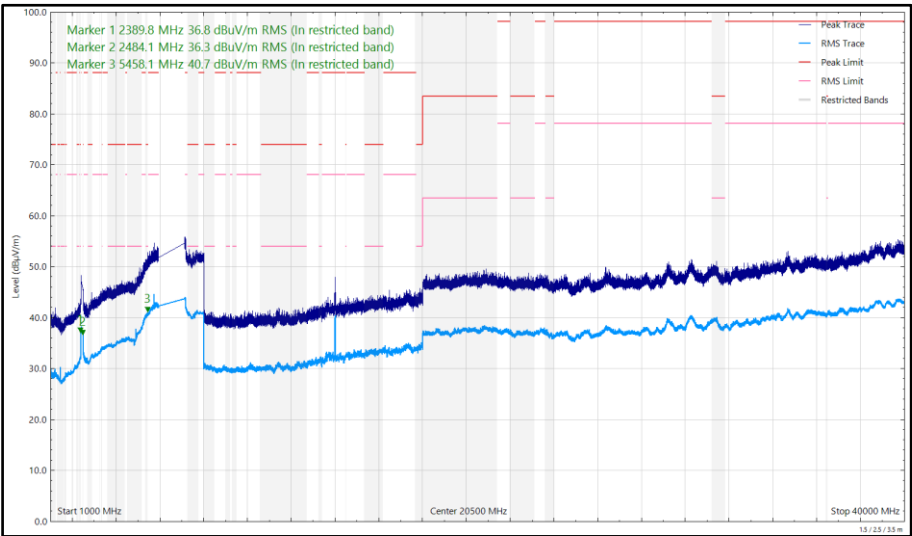


Figure 25 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, ePA, Core 1, 1 GHz to 40 GHz, Vertical

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	-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 dBµV/m at 3m, Average 54 dBµV/m at 3m (Restricted bands > 1 GHz)

Table 15

2.4 GHz WLAN and 2.4 GHz Bluetooth and 5 GHz Narrowband

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
37.929	19.95	40.00	-20.05	Q-Peak	352	253	Horizontal
38.049	20.00	40.00	-20.00	Q-Peak	179	287	Vertical
2388.038	37.96	54.00	-16.04	CISPR Avg	55	394	Horizontal
2484.052	62.65	74.00	-11.35	Peak	20	321	Vertical
2484.052	45.29	54.00	-8.71	CISPR Avg	20	321	Vertical
2487.370	57.69	74.00	-16.31	Peak	54	373	Horizontal
2487.370	38.56	54.00	-15.44	CISPR Avg	54	373	Horizontal
5445.146	35.23	54.00	-18.77	CISPR Avg	294	400	Horizontal
5458.097	38.57	54.00	-15.43	CISPR Avg	352	342	Vertical

Table 16 - 2437 MHz (CH6), HT20, Core 0 + Core 1 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.

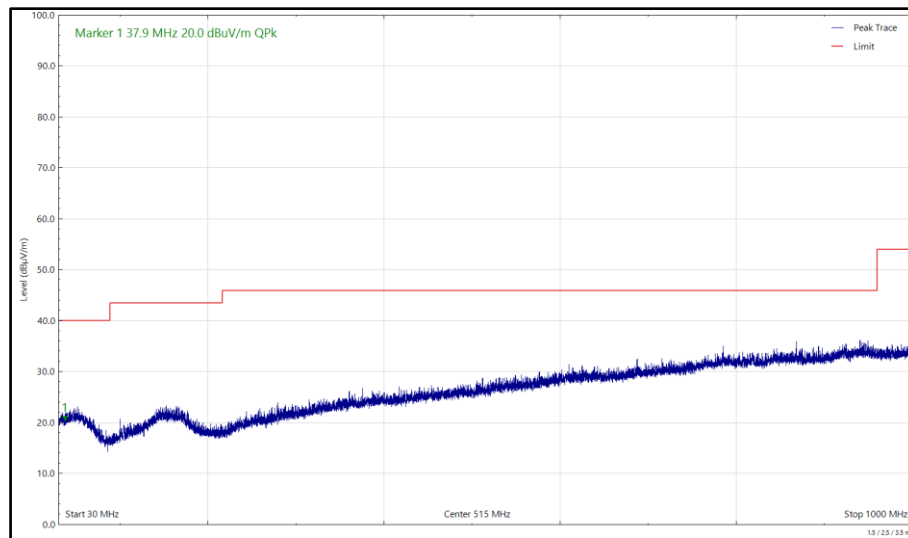


Figure 26 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and 2450 MHz (CH48), DH5, iPA, Core 2 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

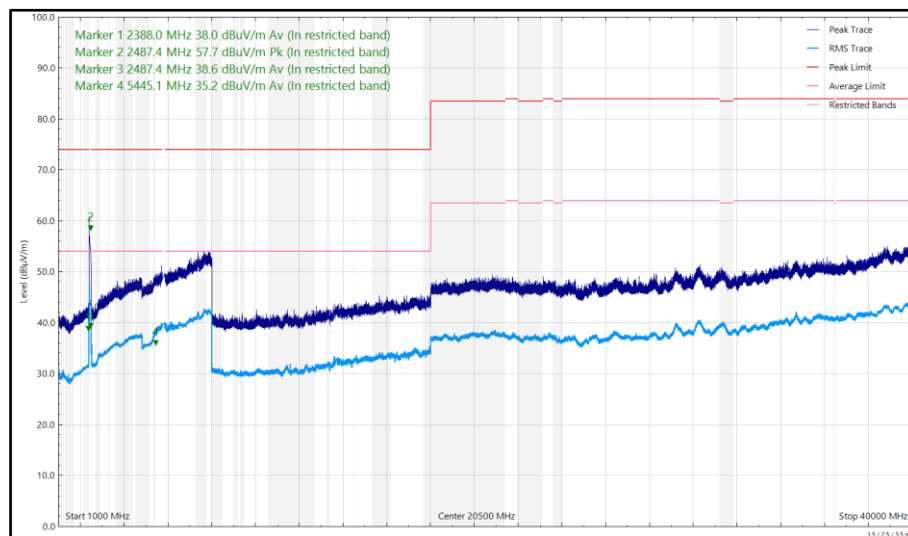


Figure 27 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and 2450 MHz (CH48), DH5, iPA, Core 2 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

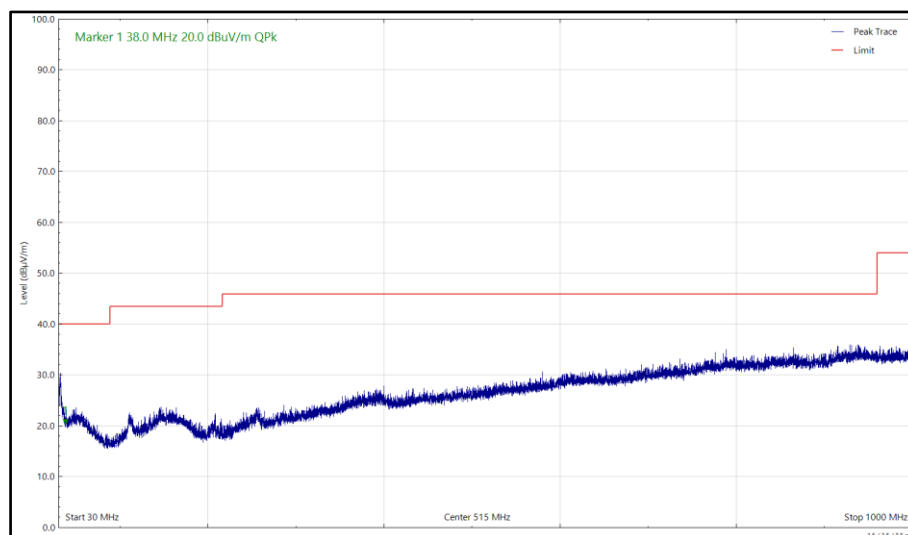


Figure 28 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and 2450 MHz (CH48), DH5, iPA, Core 2 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

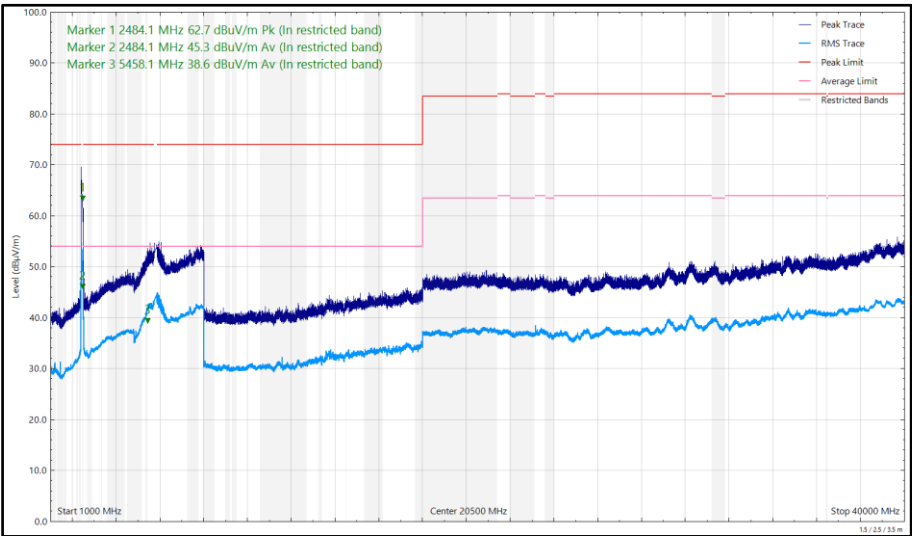


Figure 29 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and 2450 MHz (CH48), DH5, iPA, Core 2 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

FCC 47 CFR Part 15, ISSED RSS-247 and ISSED 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 dBuV/m at 3m, Average 54 dBuV/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 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
37.673	19.93	40.00	-20.07	Q-Peak	16	396	Horizontal
37.943	20.04	40.00	-19.96	Q-Peak	214	390	Vertical
2389.122	32.25	54.00	-21.75	RMS	57	398	Horizontal
2389.290	55.79	74.00	-18.21	Peak	350	312	Vertical
2389.738	35.23	54.00	-18.77	RMS	350	312	Vertical
2485.785	56.00	74.00	-18.00	Peak	350	361	Vertical
2486.422	31.57	54.00	-22.43	RMS	350	361	Vertical
2494.313	30.87	54.00	-23.13	RMS	46	381	Horizontal
5446.247	37.02	54.00	-16.98	RMS	124	372	Horizontal
5451.413	41.11	54.00	-12.89	RMS	353	363	Vertical

Table 18 - 2437 MHz (CH6), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, iPA, Core 2 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 40 GHz

No other emissions found within 20 dB of the limit.

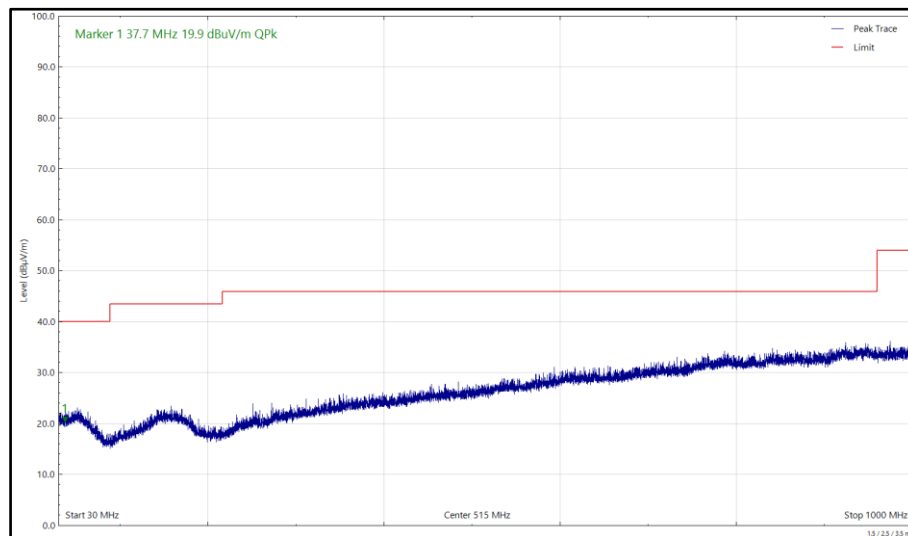


Figure 30 - 2437 MHz (CH6), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, iPA, Core 2 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

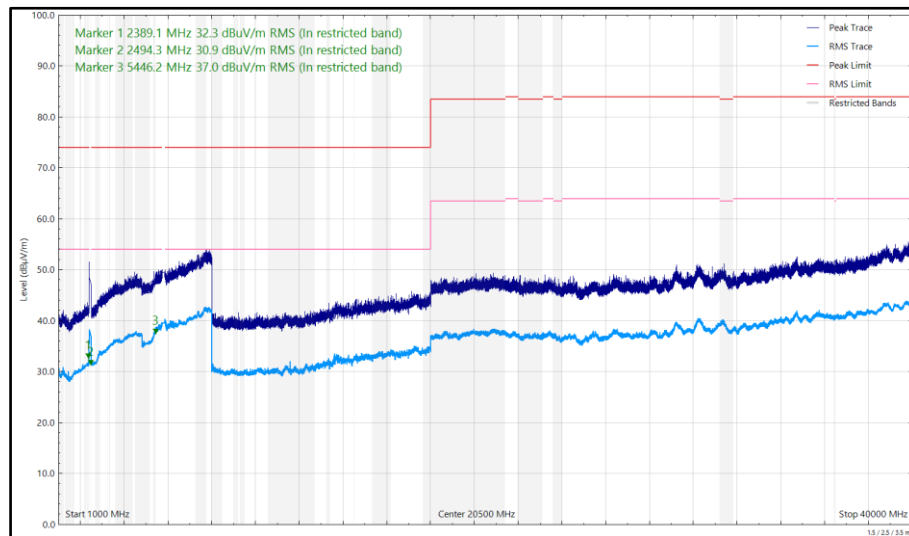


Figure 31 - 2437 MHz (CH6), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, iPA, Core 2 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

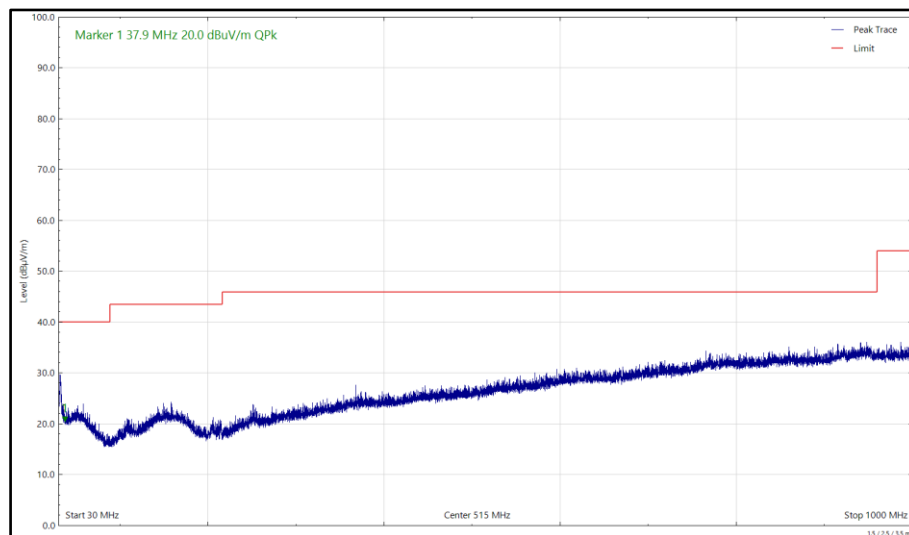


Figure 32 - 2437 MHz (CH6), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, iPA, Core 2 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

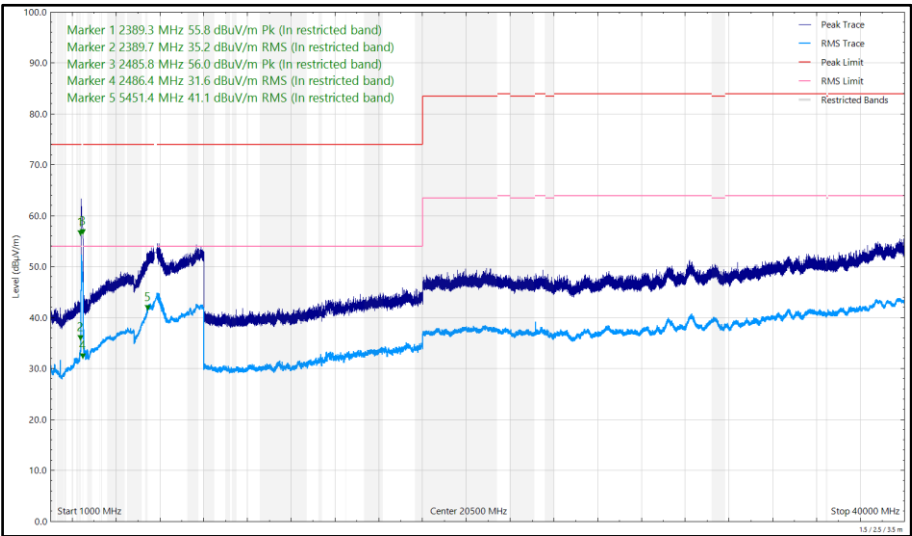


Figure 33 - 2437 MHz (CH6), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Thread, iPA, Core 2 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

FCC 47 CFR Part 15, ISSED RSS-247 and ISSED 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 dBuV/m at 3m, Average 54 dBuV/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 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
37.951	19.76	40.00	-20.24	Q-Peak	205	303	Vertical
74.834	20.68	40.00	-19.32	Q-Peak	108	105	Vertical
74.897	18.69	40.00	-21.31	Q-Peak	351	172	Horizontal
2389.516	39.65	54.00	-14.35	CISPR Avg	353	392	Vertical
2389.829	55.32	74.00	-18.68	Peak	350	333	Vertical
2389.867	34.45	54.00	-19.55	CISPR Avg	316	398	Horizontal
2399.129	58.08	74.00	-15.92	Peak	305	348	Horizontal
2399.477	65.38	74.00	-8.62	Peak	353	320	Vertical
2484.861	37.39	54.00	-16.61	CISPR Avg	305	389	Horizontal
2486.017	56.80	74.00	-17.20	Peak	0	307	Vertical
5417.064	55.91	74.00	-18.09	Peak	2	359	Vertical

Table 20 - 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.

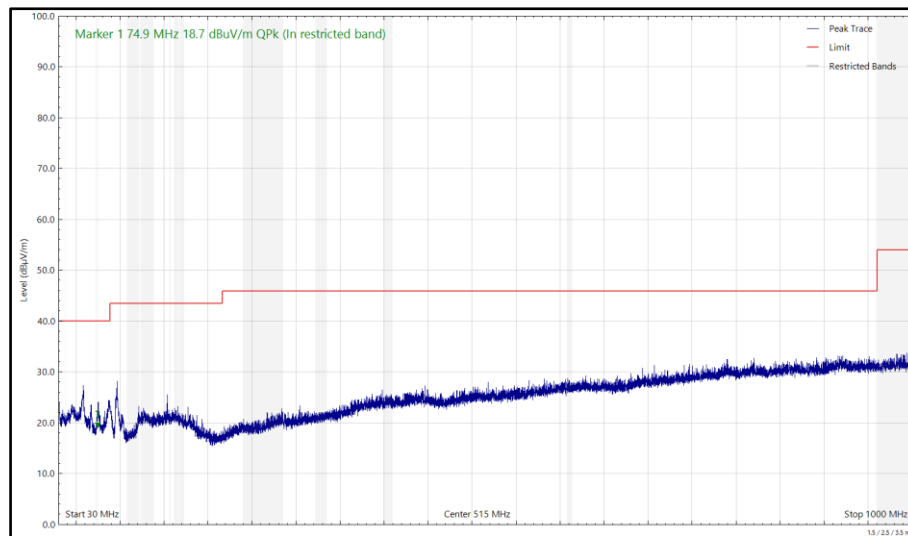


Figure 34 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2450 MHz (CH48), DH5, iPA, Core 2, 30 MHz to 1 GHz, Horizontal (Peak)

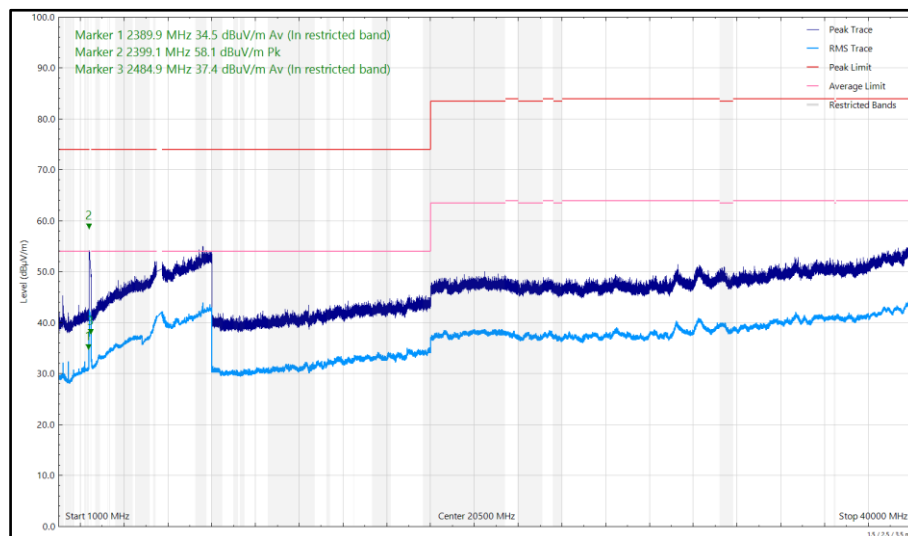


Figure 35 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2450 MHz (CH48), DH5, iPA, Core 2, 1 GHz to 40 GHz, Horizontal

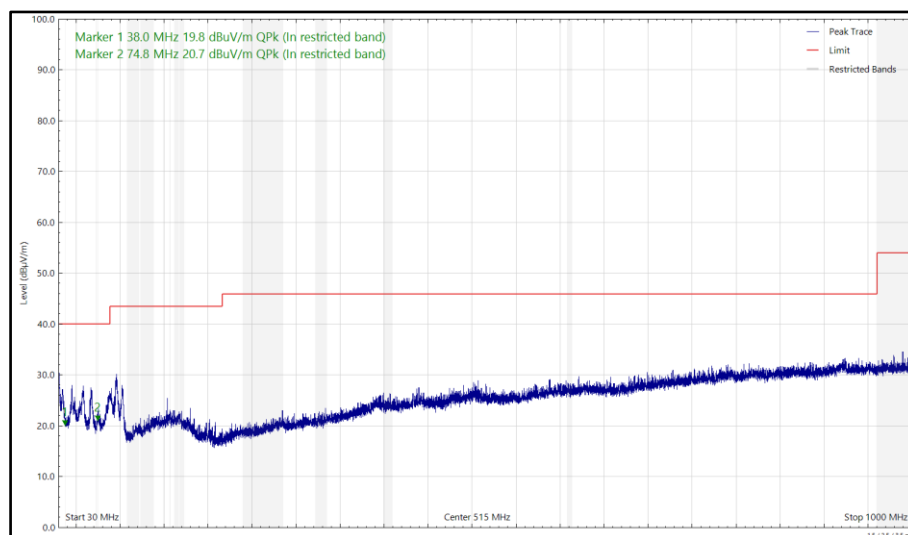


Figure 36 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2450 MHz (CH48), DH5, iPA, Core 2, 30 MHz to 1 GHz, Vertical (Peak)

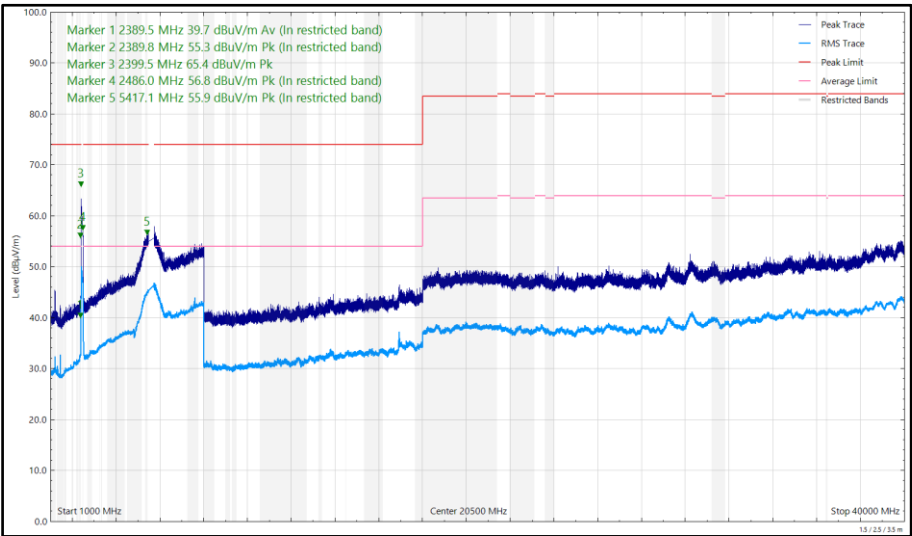


Figure 37 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2450 MHz (CH48), DH5, iPA, Core 2, 1 GHz to 40 GHz, Vertical

FCC 47 CFR Part 15, ISSED RSS-247 and ISSED 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 dBuV/m at 3m, Average 54 dBuV/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 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
38.099	19.76	40.00	-20.24	Q-Peak	8	340	Vertical
73.188	18.57	40.00	-21.43	Q-Peak	230	106	Horizontal
74.861	22.55	40.00	-17.45	Q-Peak	298	100	Vertical
166.319	20.32	43.50	-23.18	Q-Peak	337	202	Horizontal
169.176	19.97	43.50	-23.53	Q-Peak	256	327	Vertical
2396.612	66.81	88.20	-21.39	Peak	339	357	Vertical
2483.504	44.44	54.00	-9.56	CISPR Avg	24	387	Vertical
2483.604	39.99	54.00	-14.01	CISPR Avg	50	391	Horizontal
2484.443	61.59	74.00	-12.41	Peak	5	345	Vertical
2487.382	56.76	74.00	-17.24	Peak	55	390	Horizontal

Table 22 - 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.

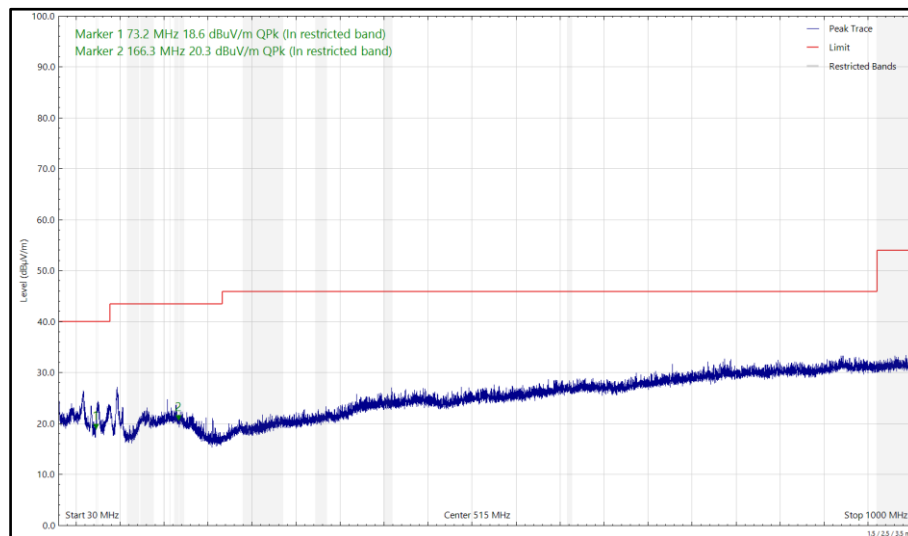


Figure 38 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2450 MHz (CH48), DH5, iPA, Core 2, 30 MHz to 1 GHz, Horizontal (Peak)

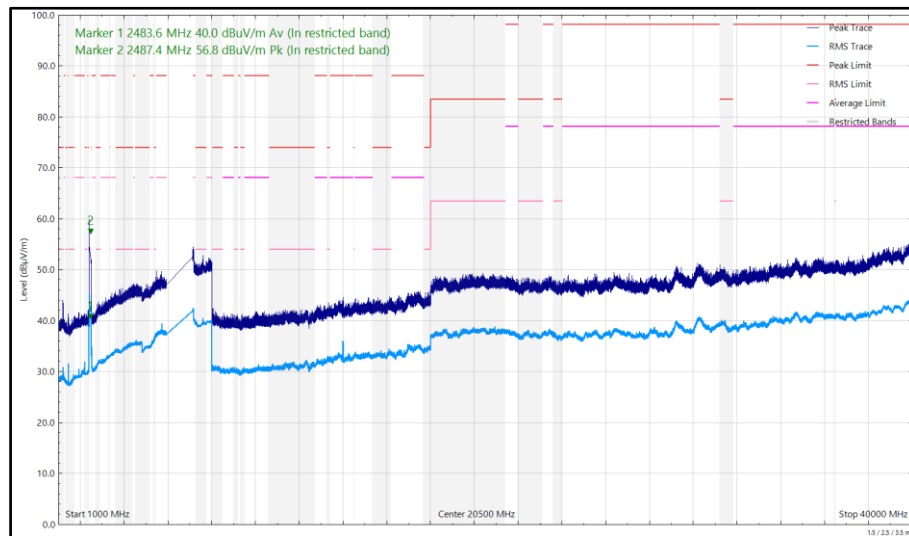


Figure 39 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2450 MHz (CH48), DH5, iPA, Core 2, 1 GHz to 40 GHz, Horizontal

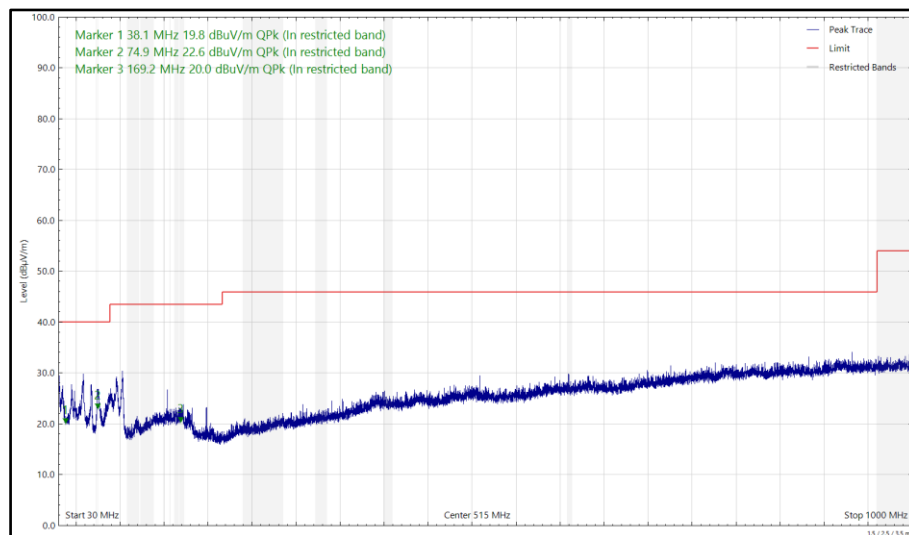


Figure 40 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2450 MHz (CH48), DH5, iPA, Core 2, 30 MHz to 1 GHz, Vertical (Peak)

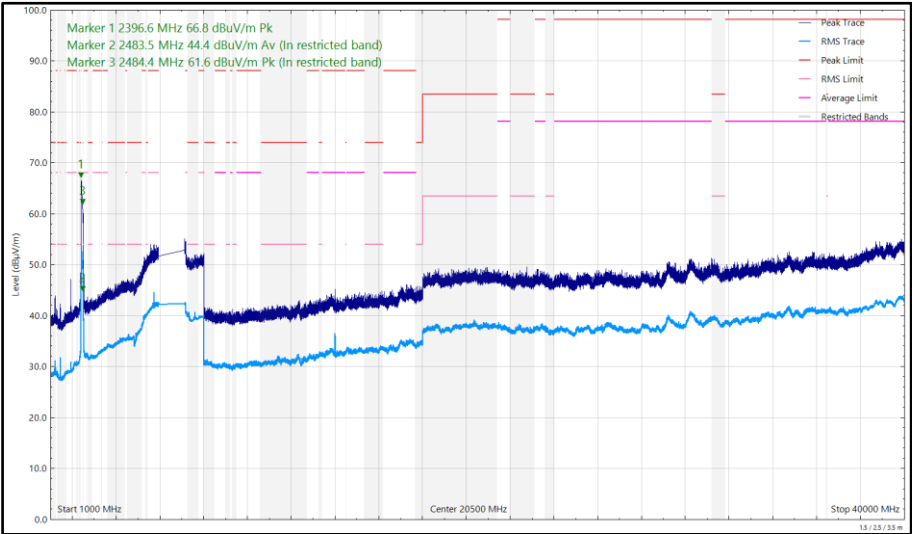


Figure 41 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2450 MHz (CH48), DH5, iPA, Core 2, 1 GHz to 40 GHz, Vertical

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 dBμV/m at 3m, Average 54 dBμV/m at 3m (Restricted bands > 1 GHz)

2.4 GHz WLAN and Thread and 5 GHz WLAN

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
38.199	19.94	40.00	-20.06	Q-Peak	31	153	Vertical
74.206	20.78	40.00	-19.22	Q-Peak	239	100	Vertical
74.819	19.33	40.00	-20.67	Q-Peak	166	217	Horizontal
164.349	20.33	43.50	-23.17	Q-Peak	319	381	Horizontal
2388.030	36.65	54.00	-17.35	RMS	58	366	Horizontal
2389.083	57.34	74.00	-16.66	Peak	355	367	Vertical
2389.822	40.45	54.00	-13.55	RMS	360	378	Vertical
2483.554	38.92	54.00	-15.08	RMS	57	382	Horizontal
2483.716	59.70	74.00	-14.30	Peak	13	306	Vertical
2483.726	42.20	54.00	-11.80	RMS	5	353	Vertical
5453.765	57.69	74.00	-16.31	Peak	360	323	Vertical
5456.723	41.87	54.00	-12.13	RMS	287	400	Horizontal
5459.565	44.89	54.00	-9.11	RMS	357	281	Vertical

Table 23 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2450 MHz (CH20), Thread, iPA, Core 2, 30 MHz to 40 GHz

No other emissions found within 20 dB of the limit.

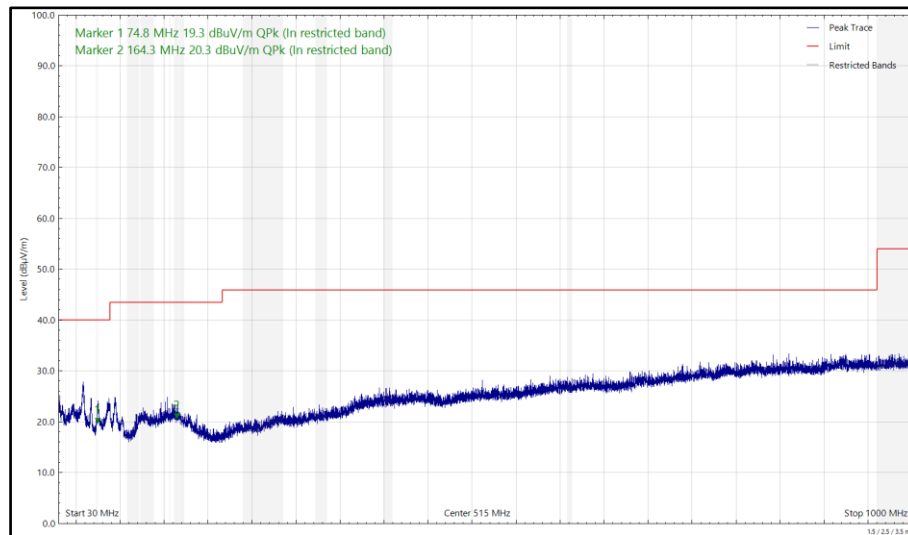


Figure 42 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2450 MHz (CH20), Thread, iPA, Core 2, 30 MHz to 1 GHz, Horizontal (Peak)

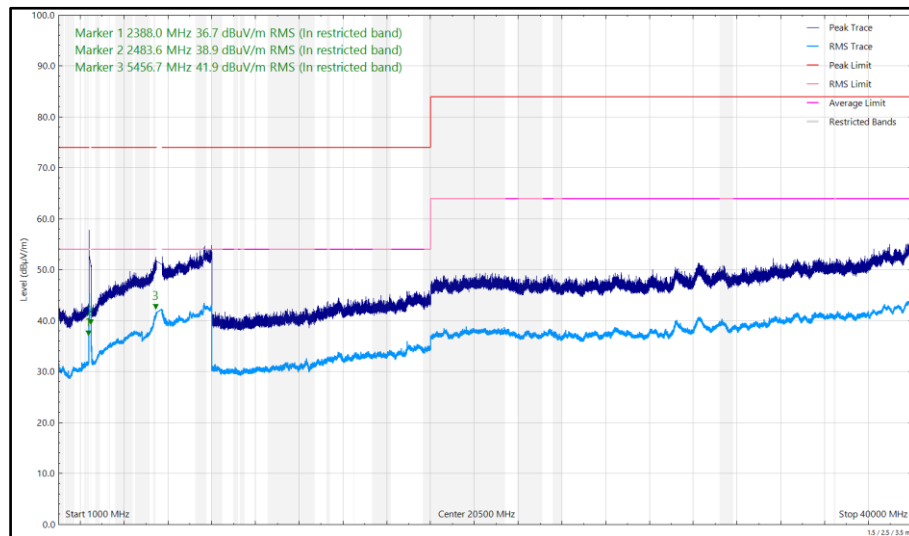


Figure 43 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2450 MHz (CH20), Thread, iPA, Core 2, 1 GHz to 40 GHz, Horizontal

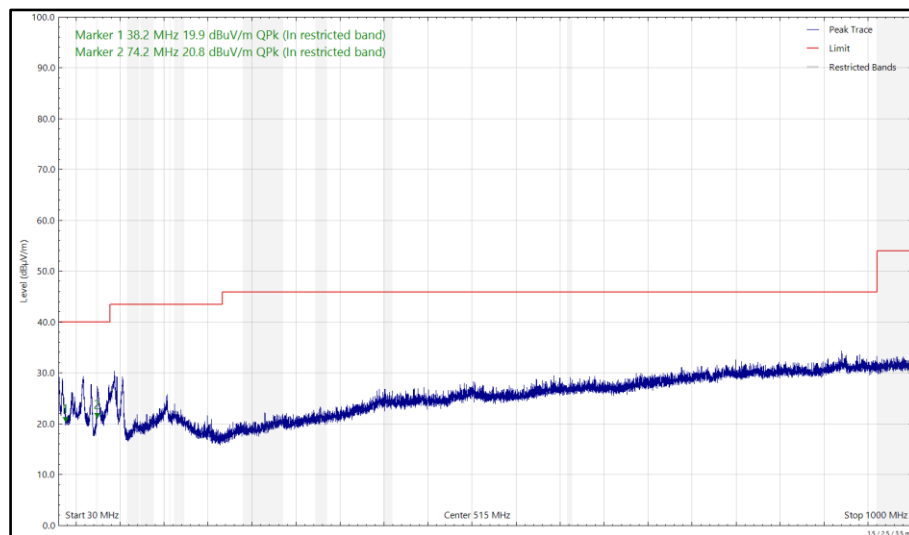


Figure 44 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2450 MHz (CH20), Thread, iPA, Core 2, 30 MHz to 1 GHz, Vertical (Peak)

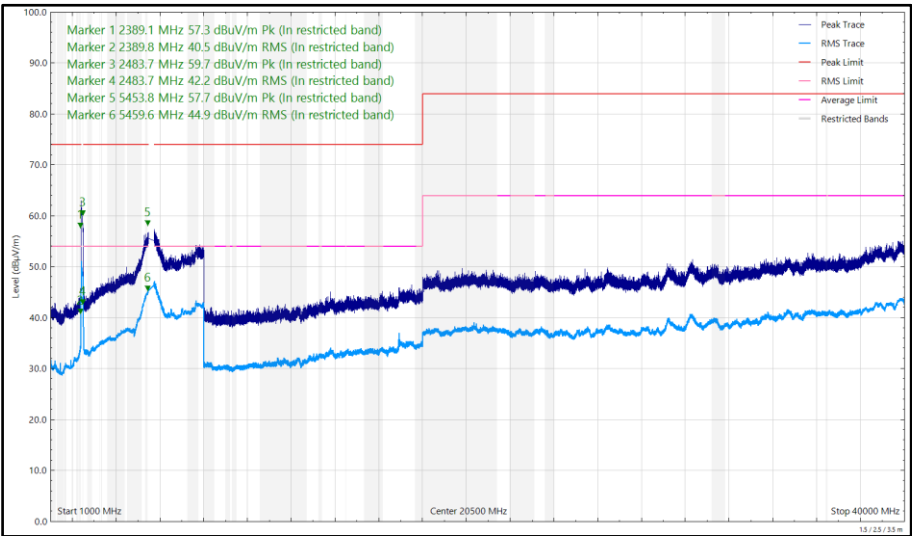


Figure 45 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2450 MHz (CH20), Thread, iPA, Core 2, 1 GHz to 40 GHz, Vertical

FCC 47 CFR Part 15, ISSED RSS-247 and ISSED 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 dBuV/m at 3m, Average 54 dBuV/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 24

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
37.740	19.86	40.00	-20.14	Q-Peak	10	155	Horizontal
38.082	19.84	40.00	-20.16	Q-Peak	228	118	Vertical
74.848	22.31	40.00	-17.69	Q-Peak	258	110	Vertical
164.403	20.35	43.50	-23.15	Q-Peak	4	184	Horizontal
166.697	20.24	43.50	-23.26	Q-Peak	212	222	Vertical
2389.401	55.66	74.00	-18.34	Peak	0	345	Vertical
2389.486	40.36	54.00	-13.64	RMS	0	369	Vertical
2389.824	34.86	54.00	-19.14	RMS	310	376	Horizontal
2483.544	41.89	54.00	-12.11	RMS	10	313	Vertical
2483.610	37.83	54.00	-16.17	RMS	53	380	Horizontal
2484.330	59.47	74.00	-14.53	Peak	41	392	Vertical
5142.282	37.19	54.00	-16.81	RMS	329	302	Vertical
5453.922	37.37	54.00	-16.63	RMS	288	342	Horizontal
5455.085	41.09	54.00	-12.91	RMS	360	301	Vertical

Table 25 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2450 MHz (CH20), Thread, iPA, Core 2, 30 MHz to 40 GHz

No other emissions found within 20 dB of the limit.

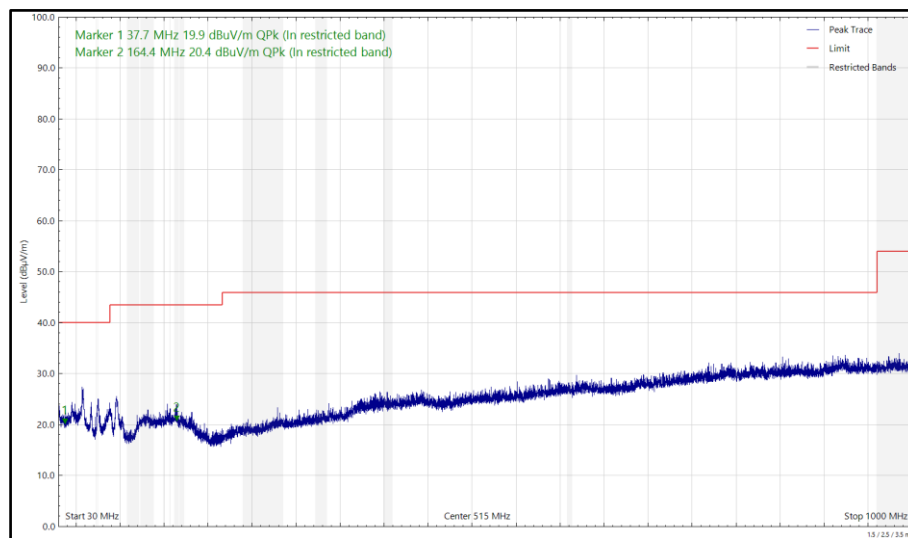


Figure 46 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2450 MHz (CH20), Thread, iPA, Core 2, 30 MHz to 1 GHz, Horizontal (Peak)

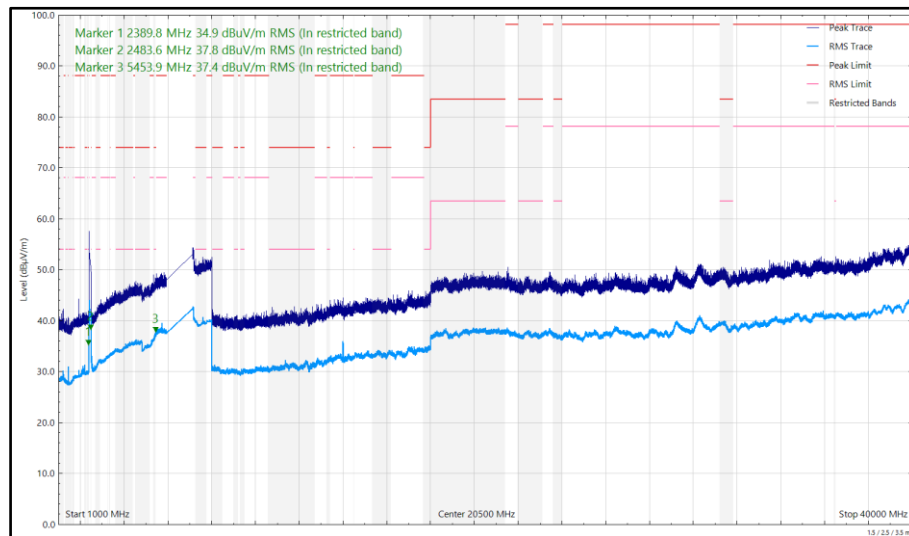


Figure 47 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2450 MHz (CH20), Thread, iPA, Core 2, 1 GHz to 40 GHz, Horizontal

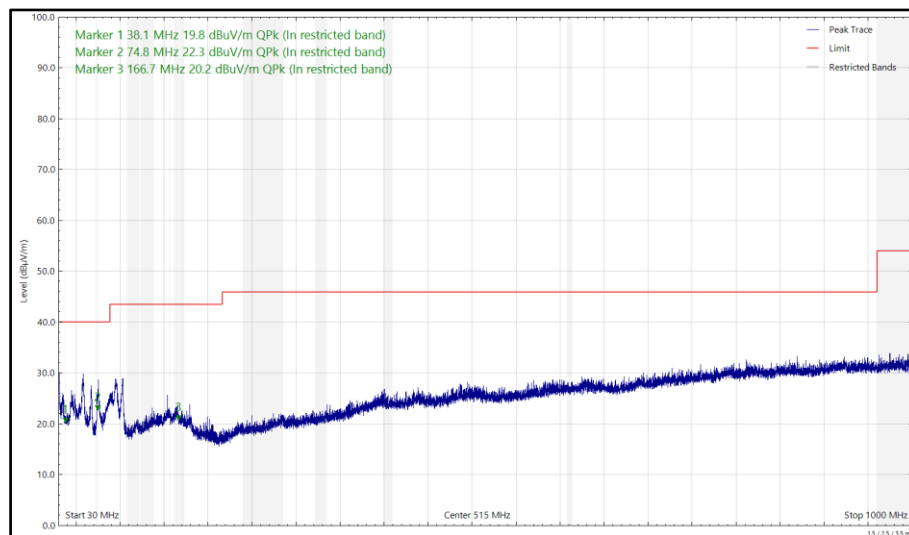


Figure 48 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2450 MHz (CH20), Thread, iPA, Core 2, 30 MHz to 1 GHz, Vertical (Peak)

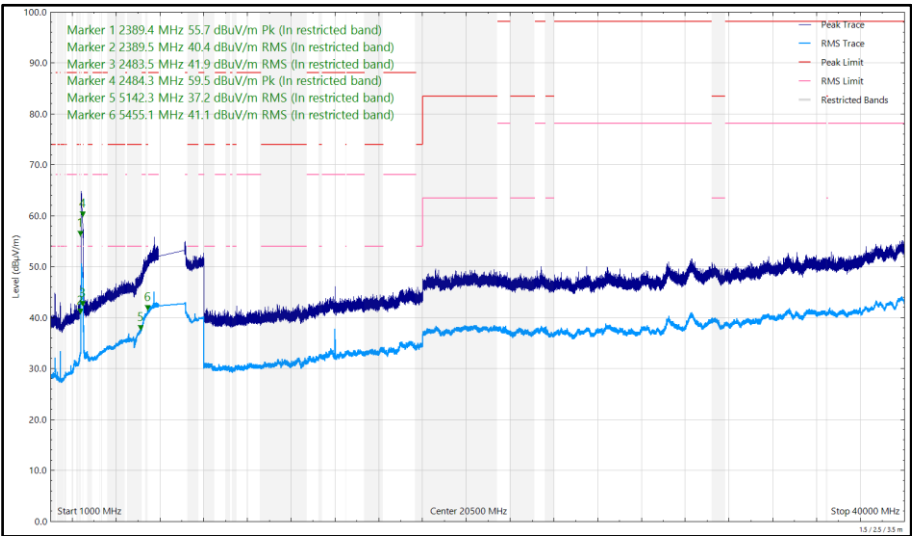


Figure 49 - 2437 MHz (CH6), HT20, Core 0 + Core 1 and 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2450 MHz (CH20), Thread, iPA, Core 2, 1 GHz to 40 GHz, Vertical

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

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

The least stringent applicable limit was:

Clause	Limit
Part 15 247 (d) / RSS-247 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 dBµV/m at 3m, Average 54 dBµV/m at 3m (Restricted bands > 1 GHz)

Table 26

2.4 GHz Bluetooth and Narrowband

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
38.239	20.16	40.00	-19.84	Q-Peak	215	260	Vertical
2389.011	33.06	54.00	-20.94	RMS	313	364	Horizontal
2389.948	37.59	54.00	-16.41	RMS	346	362	Vertical
2483.653	37.41	54.00	-16.59	RMS	26	289	Vertical
2485.445	34.99	54.00	-19.01	RMS	52	370	Horizontal
5443.685	38.37	54.00	-15.63	RMS	294	400	Horizontal
5450.325	41.12	54.00	-12.88	RMS	351	334	Vertical

Table 27 - 2441 MHz (CH39), DH5, ePA, Core 0 + Core 1 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 40 GHz

No other emissions found within 20 dB of the limit.

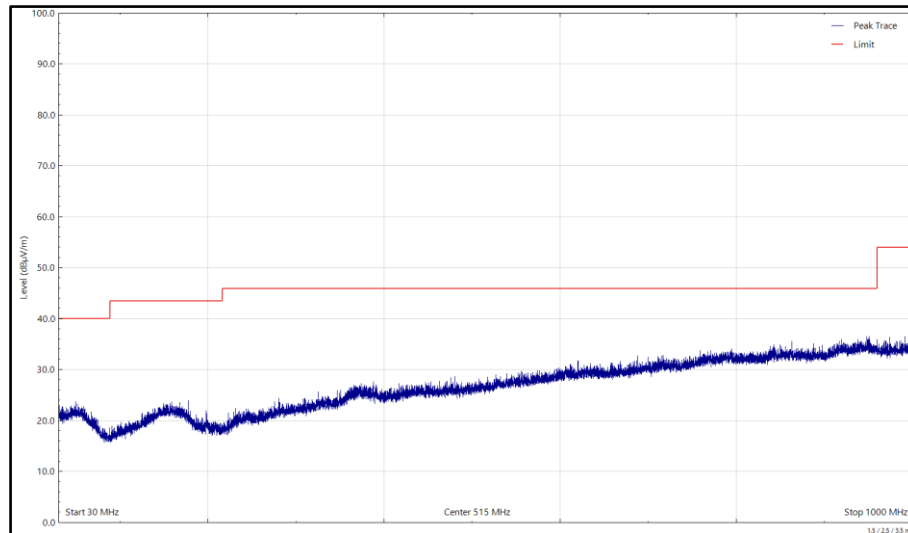


Figure 50 - 2441MHz (CH39), DH5, ePA, Core 0 + Core 1 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

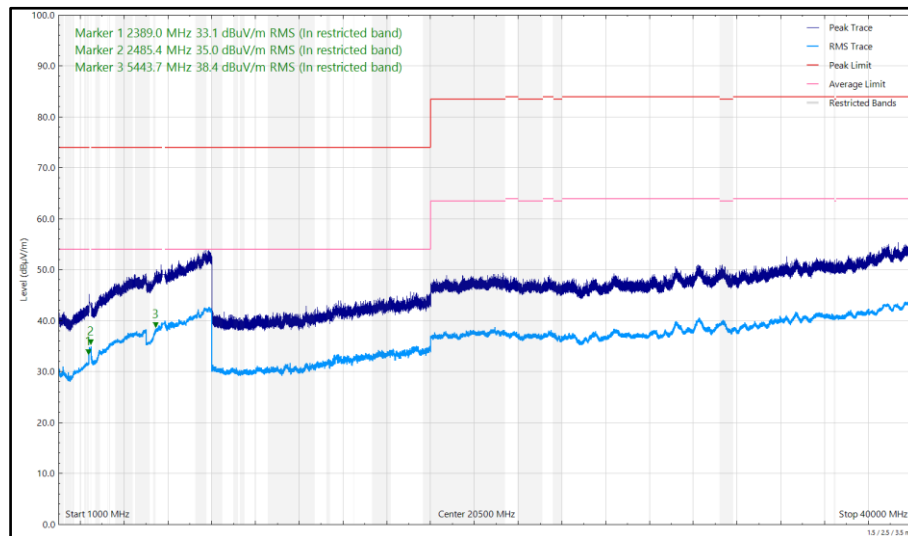


Figure 51 - 2441MHz (CH39), DH5, ePA, Core 0 + Core 1 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

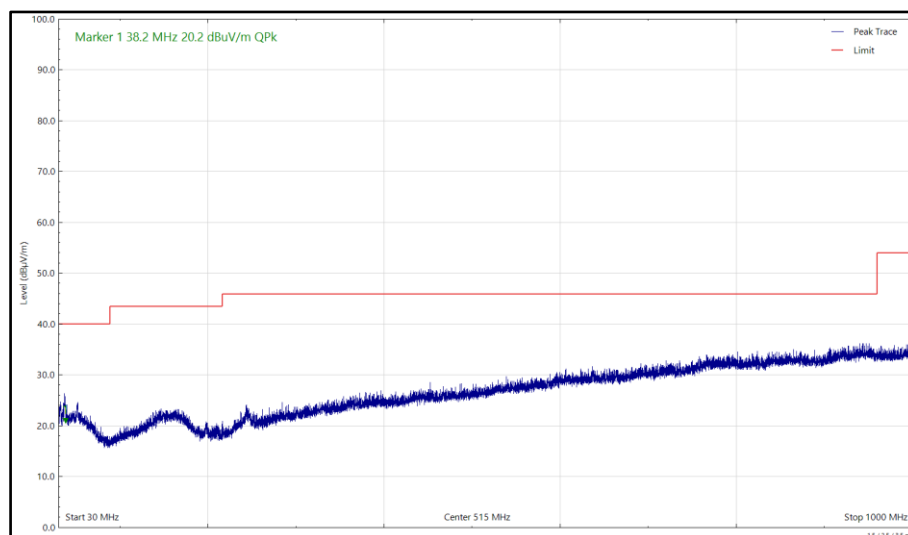


Figure 52 - 2441MHz (CH39), DH5, ePA, Core 0 + Core 1 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

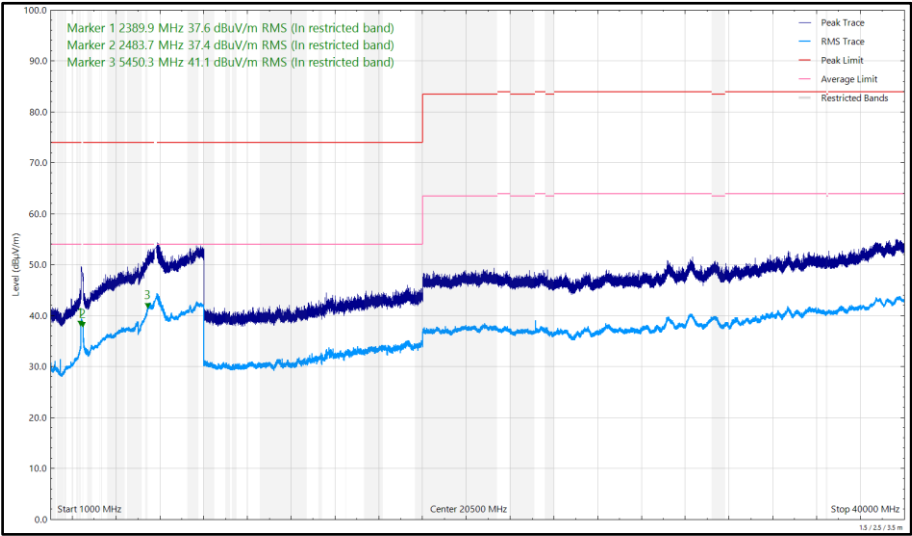


Figure 53 - 2441 MHz (CH39), DH5, ePA, Core 0 + Core 1 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

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

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

The least stringent applicable limit was:

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

Table 28

Thread and 5GHz Narrowband

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
37.639	20.06	40.00	-19.94	Q-Peak	270	304	Vertical
37.670	19.99	40.00	-20.01	Q-Peak	180	284	Horizontal
2312.692	32.14	54.00	-21.86	RMS	232	178	Horizontal
2389.894	35.02	54.00	-18.98	RMS	19	271	Vertical
2483.670	36.80	54.00	-17.20	RMS	57	383	Horizontal
2484.334	38.60	54.00	-15.40	RMS	35	400	Vertical
5147.805	37.95	54.00	-16.05	RMS	21	265	Vertical
5452.792	41.63	54.00	-12.37	RMS	347	348	Vertical
5455.366	38.38	54.00	-15.62	RMS	285	213	Horizontal

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.

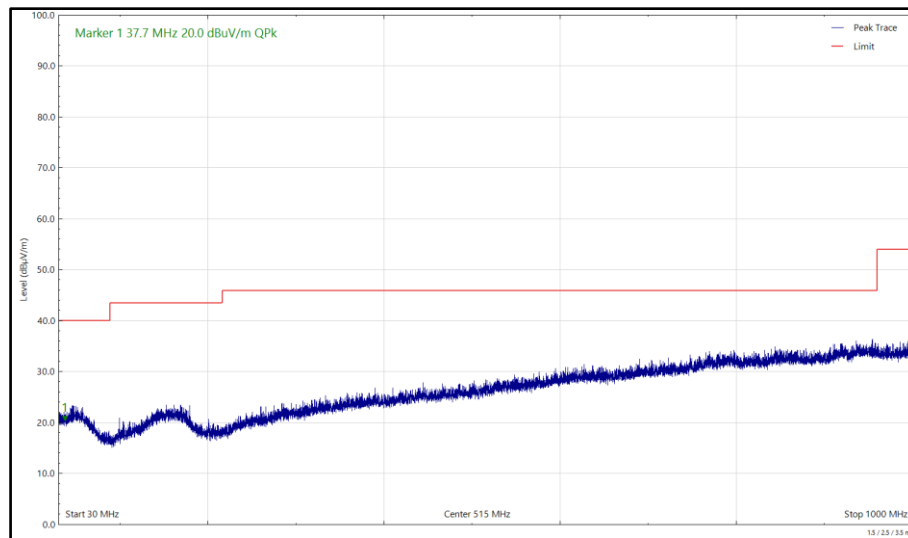


Figure 54 - 2440MHz (CH18), Thread, ePA, Core 0 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

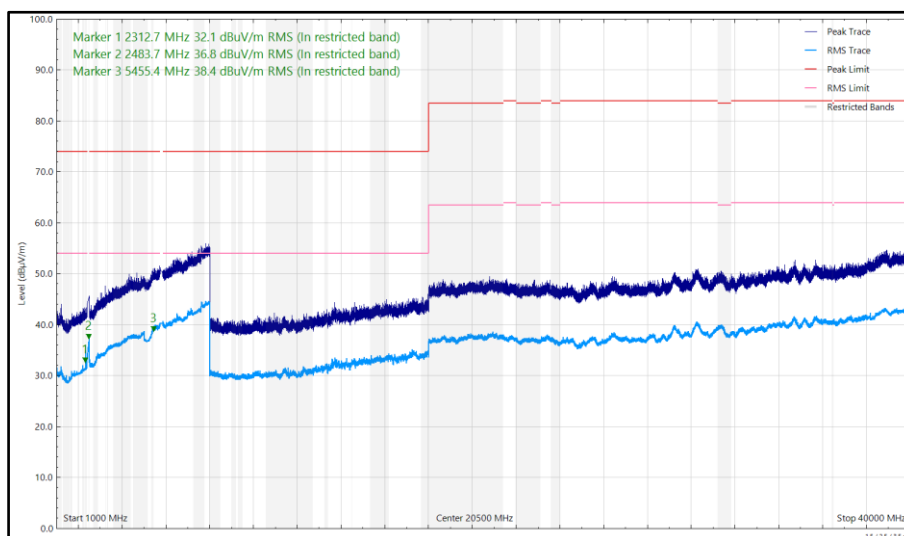


Figure 55 - 2440 MHz (CH18), Thread, ePA, Core 0 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

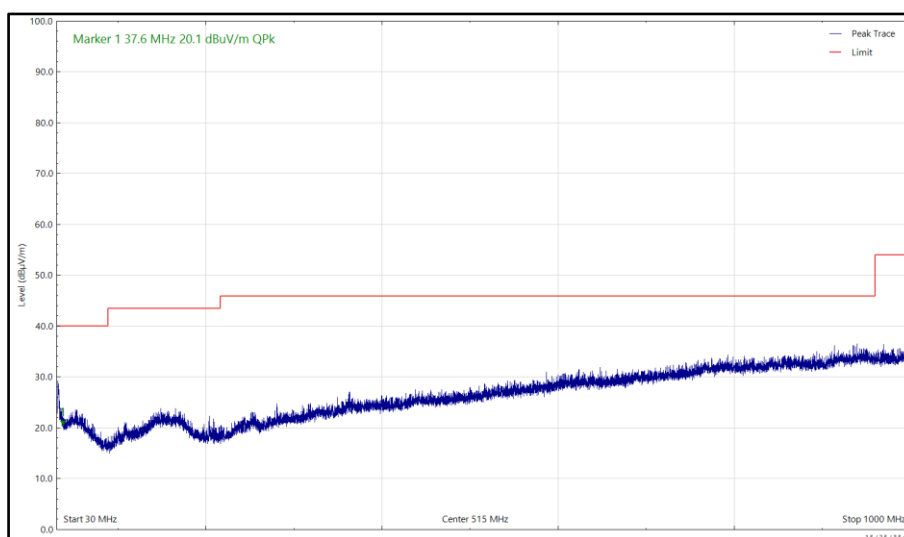


Figure 56 - 2440 MHz (CH18), Thread, ePA, Core 0 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

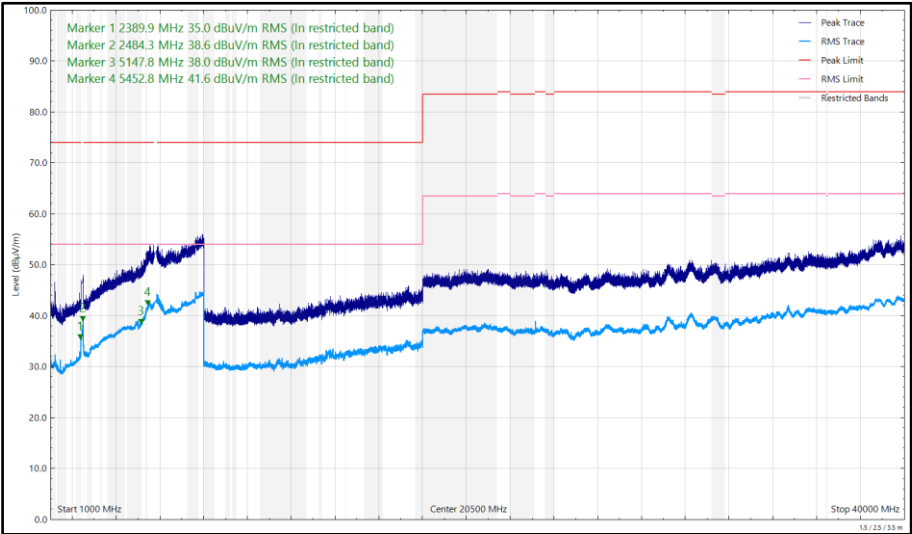


Figure 57 - 2440 MHz (CH18), Thread, ePA, Core 0 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
37.538	19.96	40.00	-20.04	Q-Peak	308	400	Vertical
1440.077	34.46	54.00	-19.54	RMS	38	145	Vertical
2312.642	37.11	54.00	-16.89	RMS	180	222	Horizontal
2389.941	37.41	54.00	-16.59	RMS	351	335	Vertical
2483.783	37.80	54.00	-16.20	RMS	354	304	Vertical
2483.883	33.82	54.00	-20.18	RMS	56	373	Horizontal
5413.001	38.61	54.00	-15.39	RMS	113	239	Horizontal
5458.426	41.83	54.00	-12.17	RMS	351	302	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.

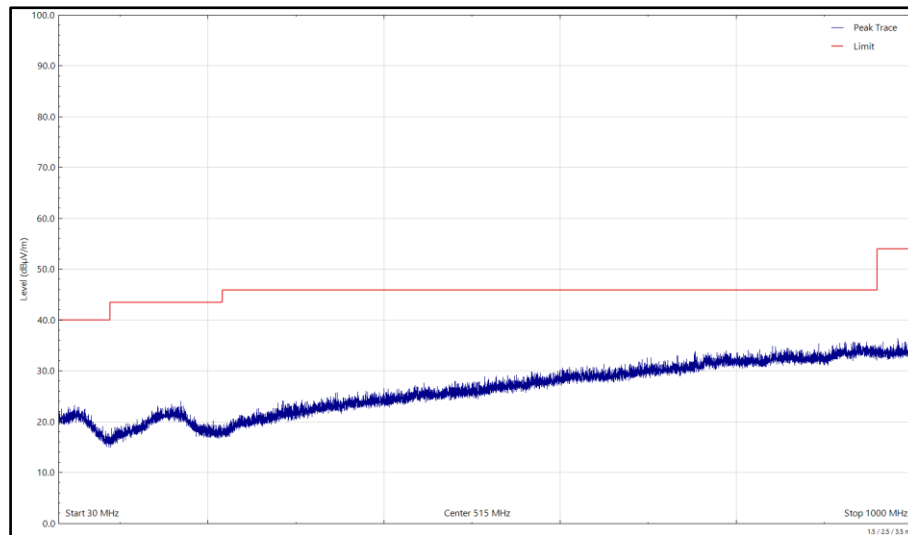


Figure 58 - 2440 MHz (CH18), Thread, ePA, Core 1 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

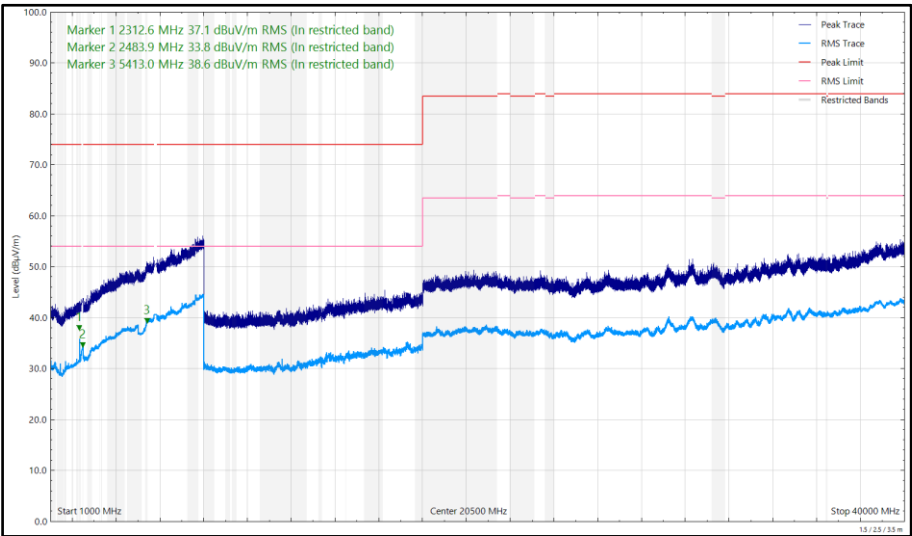


Figure 59 - 2440 MHz (CH18), Thread, ePA, Core 1 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

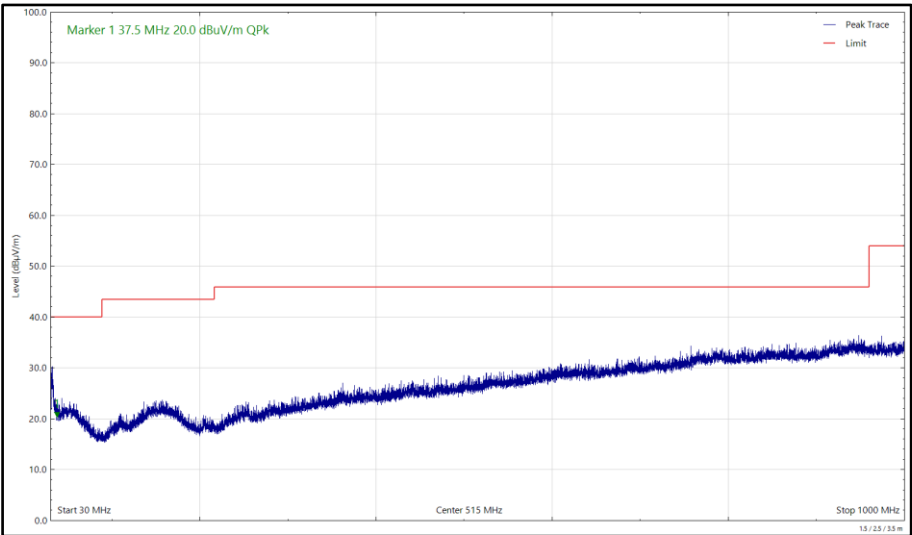


Figure 60 - 2440 MHz (CH18), Thread, ePA, Core 1 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

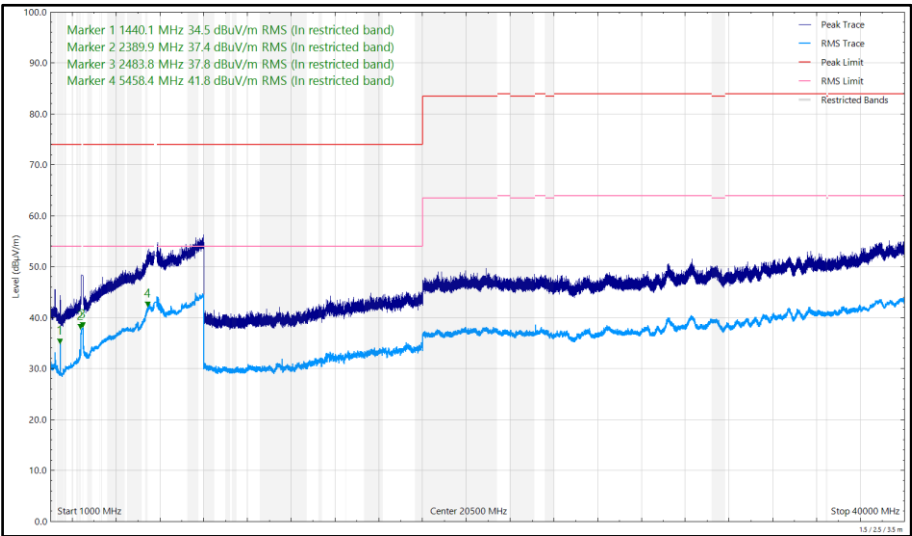


Figure 61 - 2440 MHz (CH18), Thread, ePA, Core 1 and 5788 MHz, DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

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

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

The least stringent applicable limit was:

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

Table 31



2.1.8 Test Location and Test Equipment Used

This test was carried out in RF Chamber 14, RF Chamber 15, RF Chamber 16, RF Chamber 17 and RF Chamber 18.

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
Emissions Software	TUV SUD	EmX V3.6.1	5125	-	TU
EMI Test Receiver	Rohde & Schwarz	ESW44	5911	12	29-Oct-2026
Test Receiver	Rohde & Schwarz	ESW44	5914	12	17-Jun-2026
DRG Horn Antenna (7.5-18GHz)	Schwarzbeck	HWRD750	5940	12	17-June-2026
TRILOG Super Broadband Test Antenna	Schwarzbeck	VULB 9168	5942	24	03-Jan-2027
1500W (300V 12A) AC Power Supply	iTech	IT7324	5956	-	TU
1500W (300V 12A) AC Power Supply	iTech	IT7324	5957	-	TU
Mast & Turntable Controller	Maturo Gmbh	FCU3.0	5960	-	TU
Tilt Antenna Mast	Maturo Gmbh	BAM4.5-P	5961	-	TU
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
3m Semi-Anechoic Chamber, Chamber 16	Albatross Projects	RF Chamber 16	5972	36	07-May-2028
Mast & Turntable Controller	Maturo Gmbh	FCU3.0	5973	-	TU
Tilt Antenna Mast	Maturo Gmbh	BAM4.5-P	5974	-	TU
Turntable	Maturo Gmbh	TT1.5SI	5975	-	TU
Cable (SMA to SMA 1m)	Junkosha	MWX221-01000AMSAMS/A	6007	12	06-Jun-2026
Horn Antenna (1-10 GHz)	Schwarzbeck	BBHA9120B	6142	12	14-Sep-2026
Digital Multimeter	Fluke	115	6145	12	06-Jun-2026
Digital Multimeter	Fluke	115	6146	12	05-Jun-2026
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
SAC Switch Unit	TUV SUD	TUV_SSU_001	6191	12	18-Dec-2026
8GHz Highpass Filter	Wainwright	WHKX 7150 8000 18000 50SS	6195	12	23-Apr-2026*
Pre Amp 8 - 18 GHz	Wright Technologies	APS06 0061	6198	12	09-Jun-2026
Attenuator (4 dB)	Pasternack	PE7074-4	6202	24	03-Jan-2027
Cable (SMA to SMA 20cm)	TUV SUD	MH-FH 8-18	6214	12	23-Apr-2026*
EMI Test Receiver	Rohde & Schwarz	ESW44	6294	12	25-Apr-2026*
Digital Multimeter	Fluke	115	6345	12	24-Jul-2026
Humidity and Temperature Meter	R.S Components	1364	6346	12	13-Mar-2026*



Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
1m Coaxial Cable Assy	Junkosha	MWX221-01000AMSAMS/A	6354	12	15-Apr-2026*
Humidity and Temperature Meter	R.S Components	1364	6486	12	01-Jul-2026
3m Semi-Anechoic Chamber	Albatross Projects	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
1m Cable	Junkosha	MWX241-01000AMSAMS/B	6741	12	27-Apr-2026*
2m Cable	Junkosha	MWX241-02000KMSKMS/B	6742	12	27-Apr-2026*
Turntable	Maturo Gmbh	TT1.5SI	6797	-	TU
EMI Test Receiver	Rohde & Schwarz	ESW44	6805	12	24-Jul-2026
AC Programmable Power Supply	iTech	IT7324	6812	-	TU
Broad-Band Horn Antenna 1-10GHz N	Schwarzbeck	BBHA9120B	6825	12	14-Sep-2026
1M SMA Cable	Junkosha	MWX221-01000AMSAMS/B	6831	12	18-Aug-2026
8M SMA Cable	Junkosha	MWX221-08000AMSAMS/B	6834	12	18-Aug-2026
Handheld Hygrometer	Fluke	971	6837	12	16-Sep-2026
8m SMA-Type Cable	Junkosha	MWX221-08000AMSAMS/B	6849	12	06-Nov-2026
8m SMA-Type Cable	Junkosha	MWX221-08000AMSAMS/B	6850	12	23-Oct-2026
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 32

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 33

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.