

FCC and ISED Test Report

Apple Inc
Model: A3404



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)

TUV SUD
SERVICES
(UK) LIMITED

Digitally signed by
TUV SUD SERVICES
(UK) LIMITED
Date: 2026.02.05
15:22:33 Z

Prepared for: Apple Inc
One Apple Park Way
Cupertino
California
95014
USA

FCC ID: BCGA3404

IC: 579C-A3404

COMMERCIAL-IN-CONFIDENCE

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SIGNATURE

NAME	JOB TITLE	RESPONSIBLE FOR	ISSUE DATE
Stephen Marshall	Senior Engineer	Authorised Signatory	05 February 2026

Signatures in this approval box have checked this document in line with the requirements of TUV SUD 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	05 February 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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TUV SUD
is a trading name of TUV SUD Ltd
Registered in Scotland at East Kilbride,
Glasgow G75 0QF, United Kingdom
Registered number: SC215164

TUV SUD Ltd is a
TUV SUD Group Company

Phone: +44 (0) 1489 558100
Fax: +44 (0) 1489 558101
www.tuvsud.com/en

TUV SUD
Octagon House
Concorde Way
Fareham
Hampshire PO15 5RL
United Kingdom

TUV SUD

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1 Report Summary

1.1 Report Modification Record

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

Issue	Description of Change	Date of Issue
1	First Issue	05 February 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	12-November-2025
Finish of Test	29-January-2026
Name of Engineer(s)	Vineeth Nagaraj, Akhil Rajendran Bhaskaran Nair, Ahmed Al Derdiri, Manohar Thota, Tony Baby, Marius Vasii, Ioan-Alexandru Bogatu, Dulanjan Witharamalage.
Related Document(s)	ANSI C63.10 (2020) +Cor.1-2023+C63.10a-2024 ANSI C63.4 (2014) KDB 789033 D02 v02r01 KDB 987594 D02 v03



1.3 Brief Summary of Results

A brief summary of the tests carried out in accordance with FCC and ISED (Simultaneous Transmission) is shown below.

Section	Specification Clause				Test Description	Result	Comments/Base Standard
	Part 15	RSS-247	RSS-248	RSS-GEN			
Configuration and Mode: 5 GHz WLAN and 2.4 GHz Bluetooth							
2.1	15.209 & 15.407(b) & 15.247 (d)	6.6 & 7.3	-	6.13 & 8.19	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 & 15.407(b) & 15.247 (d)	4.6.2	4.6.2	6.13 & 8.19	Radiated Spurious Emissions (Simultaneous Transmission)	Pass	ANSI C63.4 (2014) ANSI C63.10 (2020) +Cor.1-2023+C63.10a-2024 KDB 789033 D02 v02r01 KDB 987594 D02 v03
Configuration and Mode: 2.4 GHz WLAN and 5GHz WLAN							
2.1	15.209 & 15.407(b) & 15.247 (d)	6.6 & 7.3	-	6.13 & 8.19	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 6GHz WLAN							
2.1	15.209 & 15.407(b) & 15.247 (d)	6.6	4.6.2	6.13 & 8.19	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: 2.4GHz WLAN and 2.4GHz Bluetooth							
2.1	15.209 & 15.247(d)	6.6	-	6.13 & 8.19	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 v01r01

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: A3404		
Serial Number	Hardware Version	Software Version
LTJGK16JDF	REV1.0	25A92880q

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: A3404, Serial Number: LTJGK16JDF			
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: 5GHz WLAN and 2.4GHz Bluetooth		
Co-Located Transmitter - Unwanted Emissions	Vineeth Nagaraj, Akhil Rajendran Bhaskaran Nair, Ahmed Al Derdiri, Manohar Thota	UKAS
Configuration and Mode: 6GHz WLAN and 2.4GHz Bluetooth		
Co-Located Transmitter - Unwanted Emissions	Vineeth Nagaraj, Akhil Rajendran Bhaskaran Nair, Tony Baby, Manohar Thota	UKAS
Configuration and Mode: 2.4 GHz WLAN and 5GHz WLAN		
Co-Located Transmitter - Unwanted Emissions	Marius Vasii, Ioan-Alexandru Bogatu, Dulanjan Witharamalage, Akhil Rajendran Bhaskaran Nair	UKAS
Configuration and Mode: 2.4 GHz WLAN and 6GHz WLAN		
Co-Located Transmitter - Unwanted Emissions	Marius Vasii, Ioan-Alexandru Bogatu, Dulanjan Witharamalage, Akhil Rajendran Bhaskaran Nair	UKAS
Configuration and Mode: 2.4 GHz WLAN and 2.4GHz Bluetooth		
Co-Located Transmitter - Unwanted Emissions	Vineeth Nagaraj, Akhil Rajendran Bhaskaran Nair, Tony Baby, Ahmed Al Derdiri, Manohar Thota	UKAS

Table 5

Office Address:

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



2 Test Details

2.1 Radiated Spurious Emissions (Simultaneous Transmission)

2.1.1 Specification Reference

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

2.1.2 Equipment Under Test and Modification State

A3404, S/N: LTJGK16JDF - Modification State 0

2.1.3 Date of Test

12-November-2025 to 29-January-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:
 $10^{(Field\ Strength\ in\ dB\mu V/m/20)}$.

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 $20 \cdot \log(3/1) = 9.54$ dB.

2.1.5 Example Test Setup Diagram

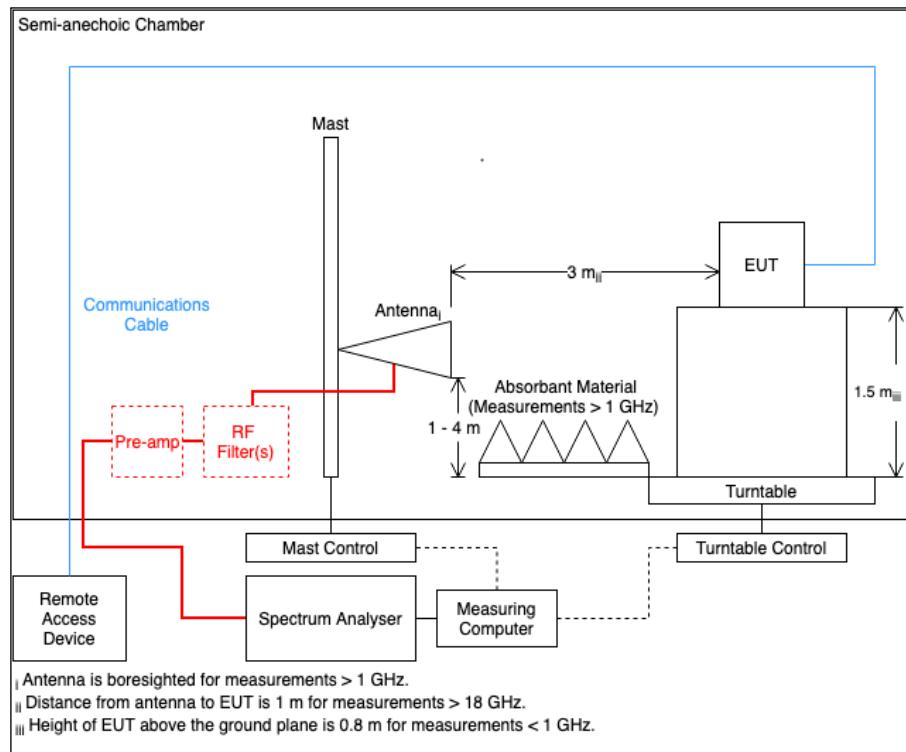


Figure 1

2.1.6 Environmental Conditions

Ambient Temperature	20.3 - 24.8 °C
Relative Humidity	36.6 - 42.5 %

2.1.7 Test Results

5GHz WLAN and 2.4GHz Bluetooth

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
37.561	22.72	40.00	-17.28	Q-Peak	9	121	Vertical
59.070	22.74	40.00	-17.26	Q-Peak	275	129	Vertical
93.340	24.05	43.50	-19.45	Q-Peak	160	101	Vertical
168.751	22.28	43.50	-21.22	Q-Peak	234	111	Vertical
183.827	21.44	43.50	-22.06	Q-Peak	168	252	Horizontal
240.830	20.80	46.00	-25.20	Q-Peak	304	104	Vertical
264.059	20.76	46.00	-25.24	Q-Peak	258	392	Horizontal
4881.678	43.43	54.00	-10.57	CISPR Avg	355	286	Vertical
5143.505	58.75	74.00	-15.25	Peak	3	287	Vertical
5148.192	43.72	54.00	-10.28	CISPR Avg	1	298	Vertical
5149.078	34.24	54.00	-19.76	CISPR Avg	329	265	Horizontal
5359.119	46.26	54.00	-7.74	CISPR Avg	10	310	Vertical
5365.202	36.82	54.00	-17.18	CISPR Avg	299	400	Horizontal
5369.225	61.45	74.00	-12.55	Peak	10	282	Vertical
5463.449	57.56	74.00	-16.44	Peak	344	304	Vertical
15719.601	37.04	54.00	-16.96	RMS	95	283	Horizontal
15721.503	37.25	54.00	-16.75	RMS	29	346	Vertical

Table 6 - 5240 MHz (CH48), HT20, CDD, Core 0 + Core 1 and 2441 MHz (CH39), DH5, Core 0 (Dedicated), 30 MHz to 40 GHz

No other emissions found within 12 dB of the limit.

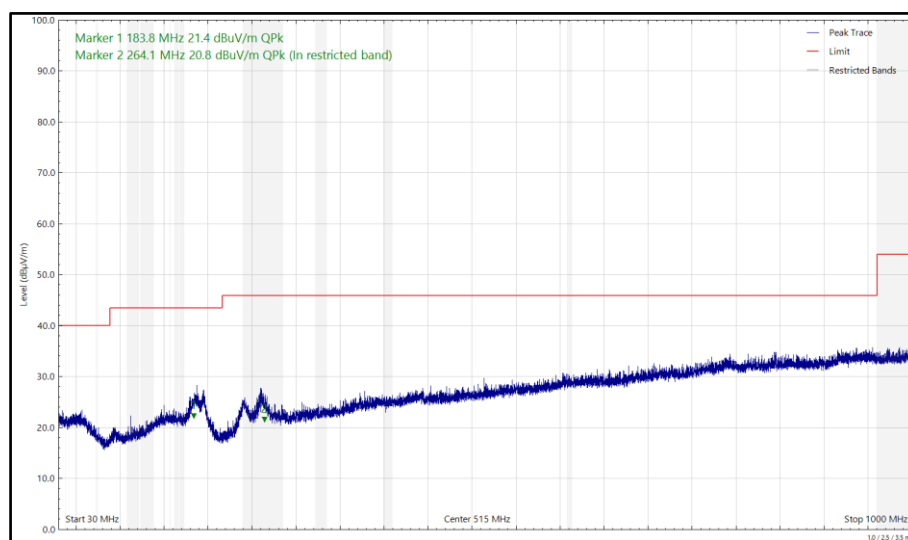


Figure 2 - 5240 MHz (CH48), HT20, CDD, Core 0 + Core 1 and 2411 MHz (CH39), DH5, Core 0 (Dedicated), 30 MHz to 1 GHz, Horizontal (Peak)

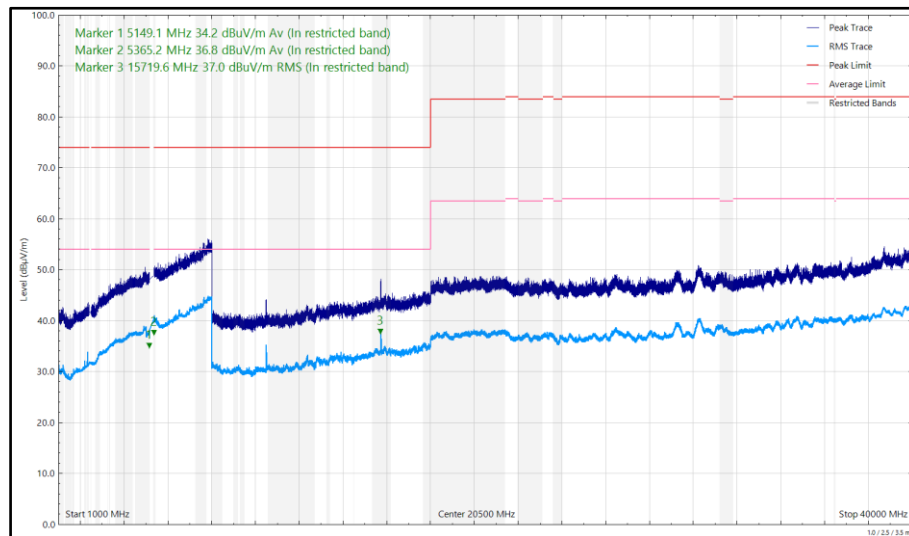


Figure 3 - 5240 MHz (CH48), HT20, CDD, Core 0 + Core 1 and 2441 MHz (CH39), DH5, Core 0 (Dedicated), 1 GHz to 40 GHz, Horizontal

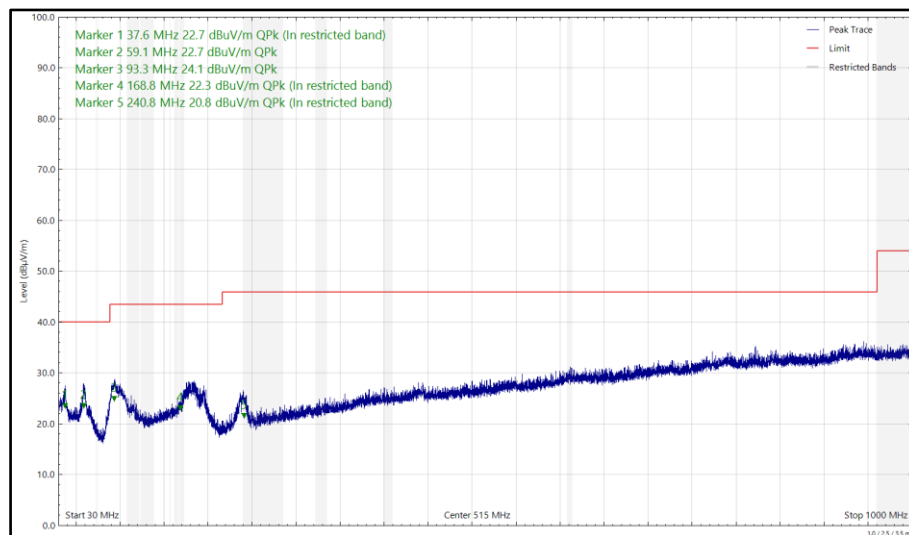


Figure 4 - 5240 MHz (CH48), HT20, CDD, Core 0 + Core 1 and 2441 MHz (CH39), DH5, Core 0 (Dedicated), 30 MHz to 1 GHz, Vertical (Peak)

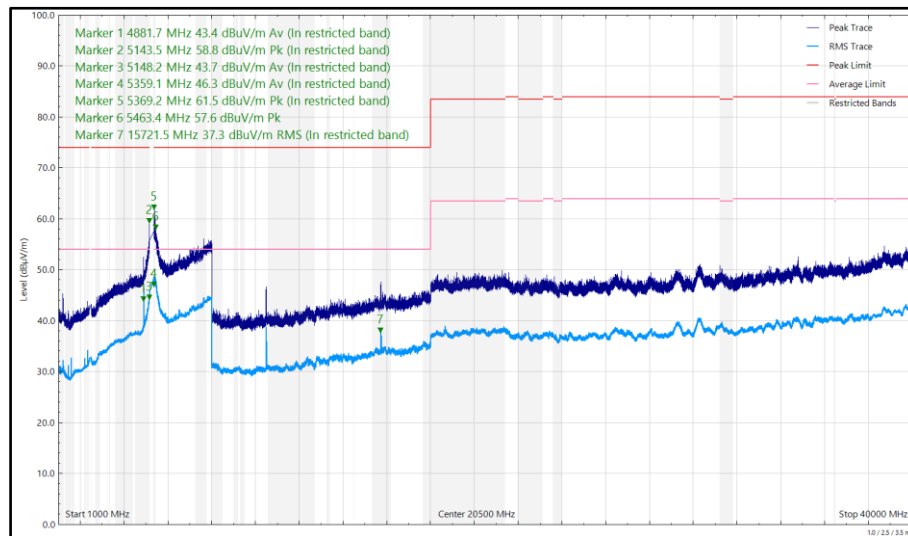


Figure 5 - 5240 MHz (CH48), HT20, CDD, Core 0 + Core 1 and 2441 MHz (CH39), DH5, Core 0 (Dedicated), 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
37.606	20.96	40.00	-19.04	Q-Peak	226	349	Vertical
59.925	21.44	40.00	-18.56	Q-Peak	113	195	Vertical
168.386	22.33	43.50	-21.17	Q-Peak	180	169	Vertical
193.906	21.54	43.50	-21.96	Q-Peak	197	287	Horizontal
261.774	22.84	46.00	-23.16	Q-Peak	304	111	Horizontal
4882.233	41.81	54.00	-12.19	CISPR Avg	1	293	Vertical
5408.158	56.15	74.00	-17.85	Peak	4	316	Vertical
5424.896	34.88	54.00	-19.12	CISPR Avg	36	202	Horizontal
5459.086	43.57	54.00	-10.43	CISPR Avg	12	276	Vertical
5466.582	58.13	74.00	-15.87	Peak	16	284	Vertical
5726.845	63.04	74.00	-10.96	Peak	357	314	Vertical
7657.023	55.38	74.00	-18.62	Peak	128	331	Horizontal
11280.552	37.94	54.00	-16.06	RMS	82	365	Horizontal
11280.748	40.86	54.00	-13.14	RMS	340	232	Vertical

Table 7 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2441 MHz (CH39), DH5, Core 0 (Dedicated), 30 MHz to 40 GHz

No other emissions found within 12 dB of the limit.

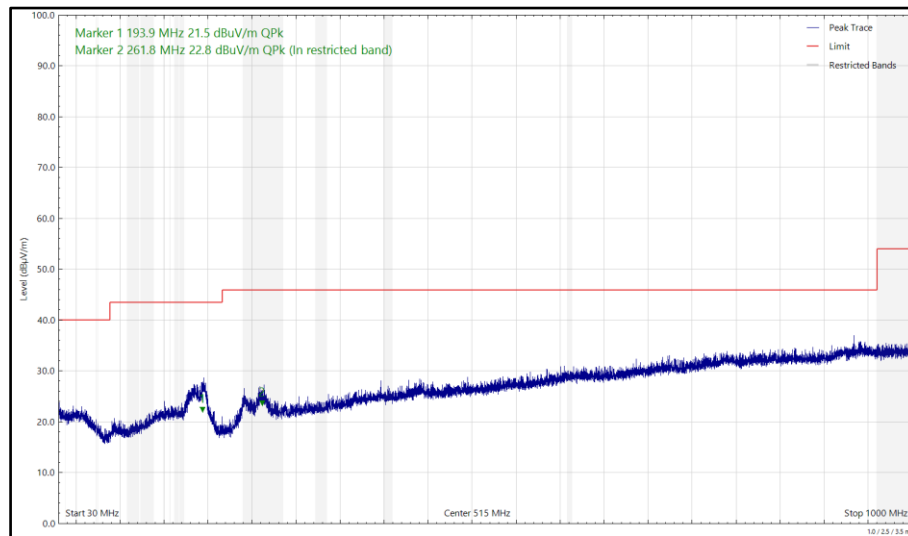


Figure 6 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2441 MHz (CH39), DH5, Core 0 (Dedicated), 30 MHz to 1 GHz, Horizontal (Peak)

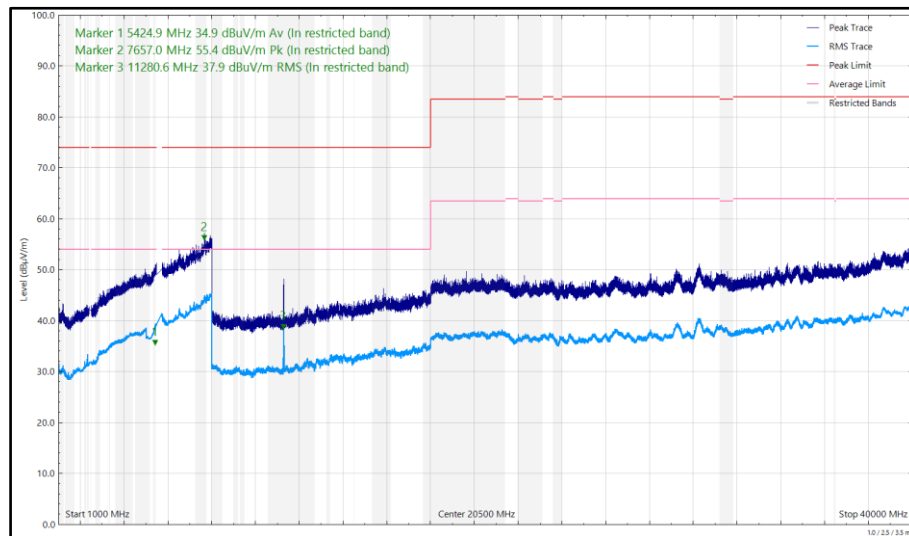


Figure 7 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2441 MHz (CH39), DH5, Core 0 (Dedicated), 1 GHz to 40 GHz, Horizontal

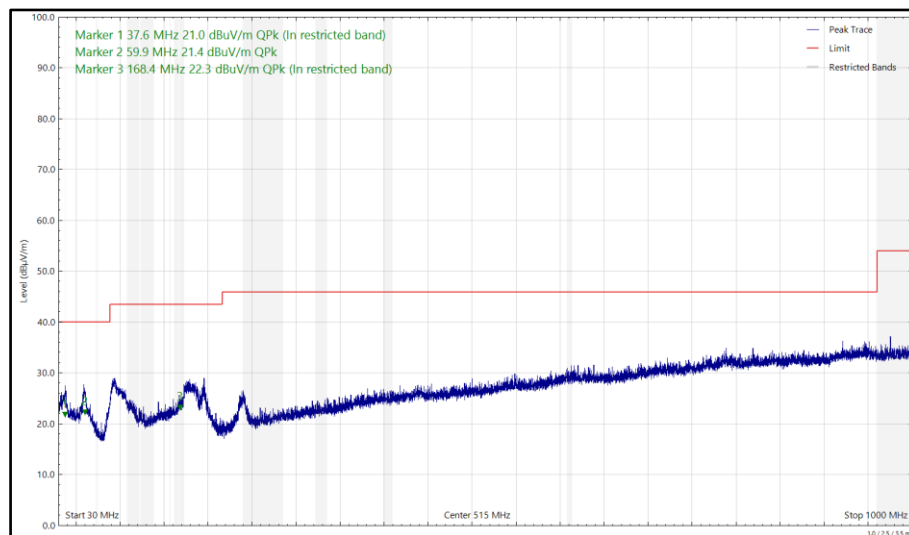


Figure 8 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2441 MHz (CH39), DH5, Core 0 (Dedicated), 30 MHz to 1 GHz, Vertical (Peak)

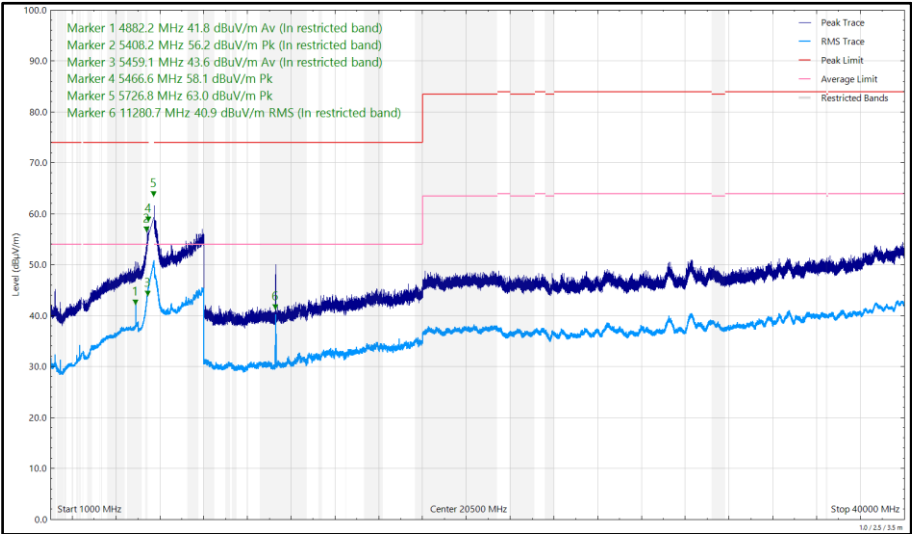


Figure 9 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2441 MHz (CH39), DH5, Core 0 (Dedicated), 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
32.301	20.69	40.00	-19.31	Q-Peak	355	227	Horizontal
37.885	20.03	40.00	-19.97	Q-Peak	37	256	Horizontal
38.096	22.45	40.00	-17.55	Q-Peak	2	100	Vertical
61.200	21.30	40.00	-18.70	Q-Peak	10	231	Vertical
111.868	20.28	43.50	-23.22	Q-Peak	155	115	Vertical
172.042	21.42	43.50	-22.08	Q-Peak	14	296	Vertical
173.068	22.35	43.50	-21.15	Q-Peak	127	133	Horizontal
261.558	20.96	46.00	-25.04	Q-Peak	30	270	Horizontal
4882.173	40.63	54.00	-13.37	CISPR Avg	1	334	Vertical
4963.165	33.98	54.00	-20.02	CISPR Avg	152	345	Horizontal
5425.107	34.95	54.00	-19.05	CISPR Avg	53	376	Horizontal
5455.460	38.70	54.00	-15.30	CISPR Avg	21	276	Vertical
5723.746	60.40	74.00	-13.60	Peak	322	360	Horizontal
5723.966	59.22	74.00	-14.78	Peak	324	387	Horizontal
5724.757	68.91	74.00	-5.09	Peak	357	329	Vertical
5853.117	67.45	74.00	-6.55	Peak	9	320	Vertical
11570.399	37.85	54.00	-16.15	RMS	85	354	Horizontal
11572.498	41.16	54.00	-12.84	RMS	347	216	Vertical

Table 8 - 5785 MHz (CH157), HT20, CDD, Core 0 + Core 1 and 2441 MHz (CH39), DH5, Core 0 (Dedicated), 30 MHz to 40 GHz

No other emissions found within 12 dB of the limit.

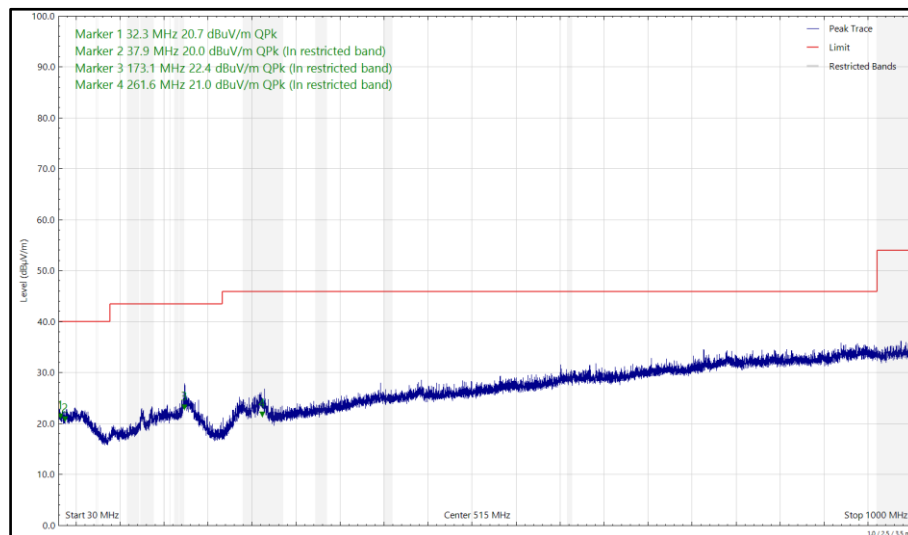


Figure 10 - 5785 MHz (CH157), HT20, CDD, Core 0 + Core 1 and 2441 MHz (CH39), DH5, Core 0 (Dedicated), 30 MHz to 1 GHz, Horizontal (Peak)

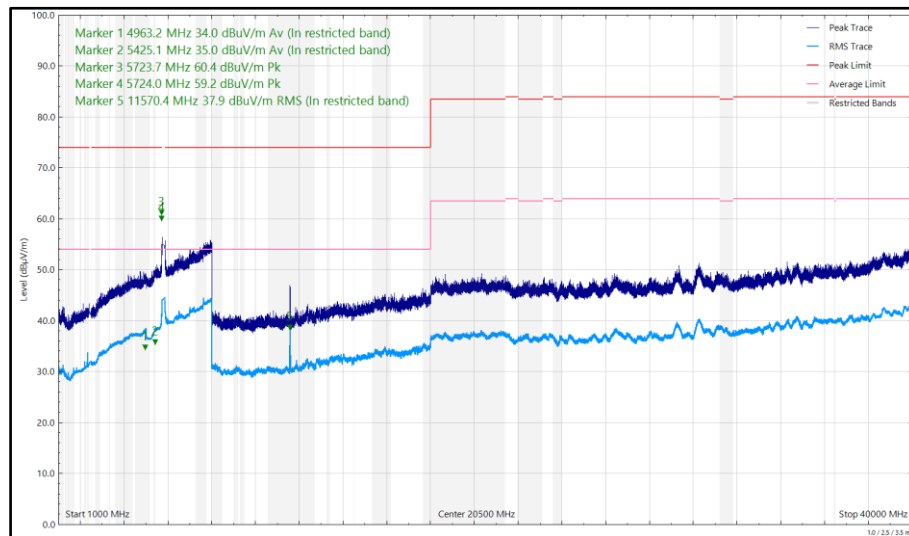


Figure 11 - 5785 MHz (CH157), HT20, CDD, Core 0 + Core 1 and 2441 MHz (CH39), DH5, Core 0 (Dedicated), 1 GHz to 40 GHz, Horizontal

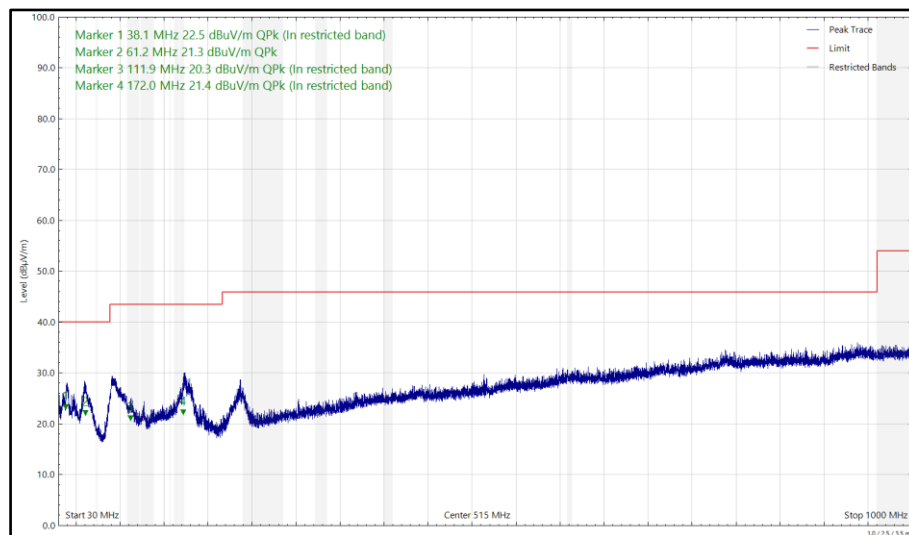


Figure 12 - 5785 MHz (CH157), HT20, CDD, Core 0 + Core 1 and 2441 MHz (CH39), DH5, Core 0 (Dedicated), 30 MHz to 1 GHz, Vertical (Peak)

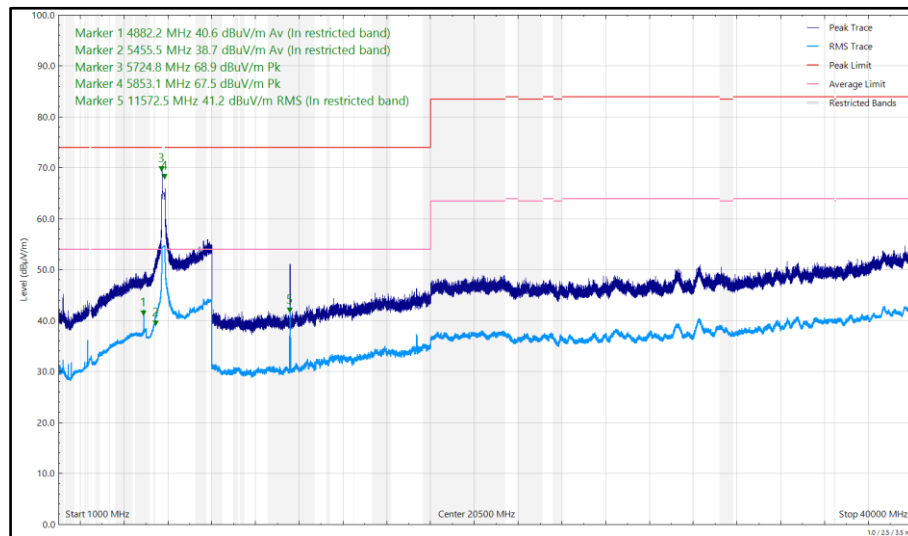


Figure 13 - 5785 MHz (CH157), HT20, CDD, Core 0 + Core 1 and 2441 MHz (CH39), DH5, Core 0 (Dedicated), 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
34.292	20.55	40.00	-19.45	Peak	116	400	Horizontal
39.221	24.02	40.00	-15.98	Peak	350	100	Vertical
168.512	23.20	43.50	-20.30	Q-Peak	164	144	Vertical
170.002	21.50	43.50	-22.00	Q-Peak	63	187	Horizontal
174.191	20.99	43.50	-22.51	Peak	331	198	Vertical
4881.943	45.47	54.00	-8.53	CISPR Avg	4	308	Vertical
5143.350	59.05	74.00	-14.95	Peak	13	319	Vertical
5144.484	34.81	54.00	-19.19	CISPR Avg	280	398	Horizontal
5148.246	42.11	54.00	-11.89	CISPR Avg	353	379	Vertical
5351.308	45.21	54.00	-8.79	CISPR Avg	17	239	Vertical
5358.090	62.70	74.00	-11.30	Peak	15	285	Vertical
5368.477	36.80	54.00	-17.20	CISPR Avg	38	390	Horizontal
15720.143	37.66	54.00	-16.34	RMS	223	100	Vertical
15720.647	38.81	54.00	-15.19	RMS	85	306	Horizontal

Table 9 - 5240 MHz (CH48), HT20, CDD, Core 0 + Core 1 and 2441 MHz (CH39), DH5, iPA, Core 0 (Common), 30 MHz to 40 GHz

No other emissions found within 12 dB of the limit.

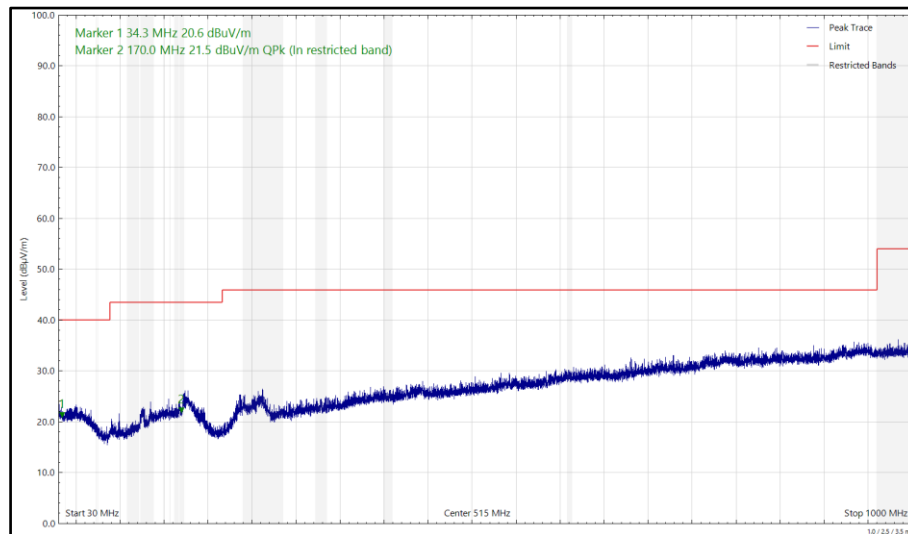


Figure 14 - 5240 MHz (CH48), HT20, CDD, Core 0 + Core 1 and 2441 MHz (CH39), DH5, iPA, Core 0 (Common), 30 MHz to 1 GHz, Horizontal (Peak)

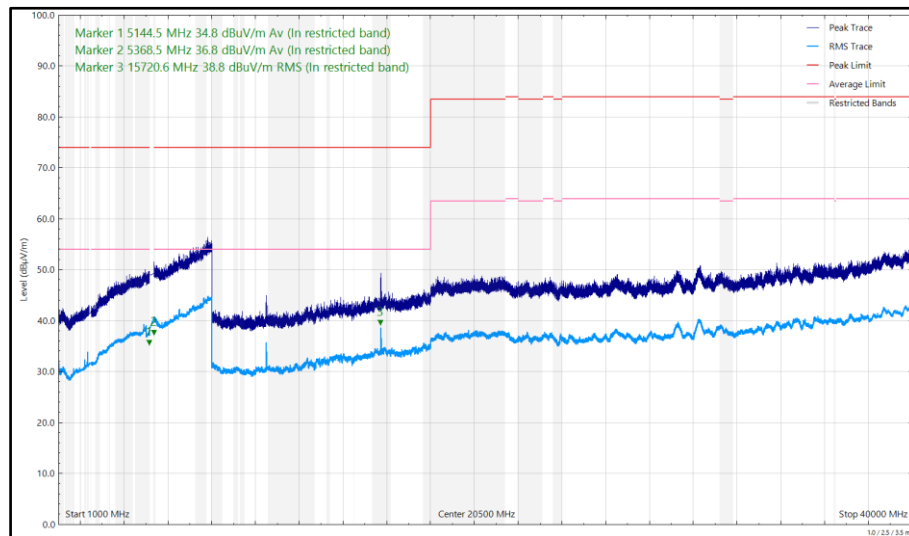


Figure 15 - 5240 MHz (CH48), HT20, CDD, Core 0 + Core 1 and 2441 MHz (CH39), DH5, iPA, Core 0 (Common), 1 GHz to 40 GHz, Horizontal

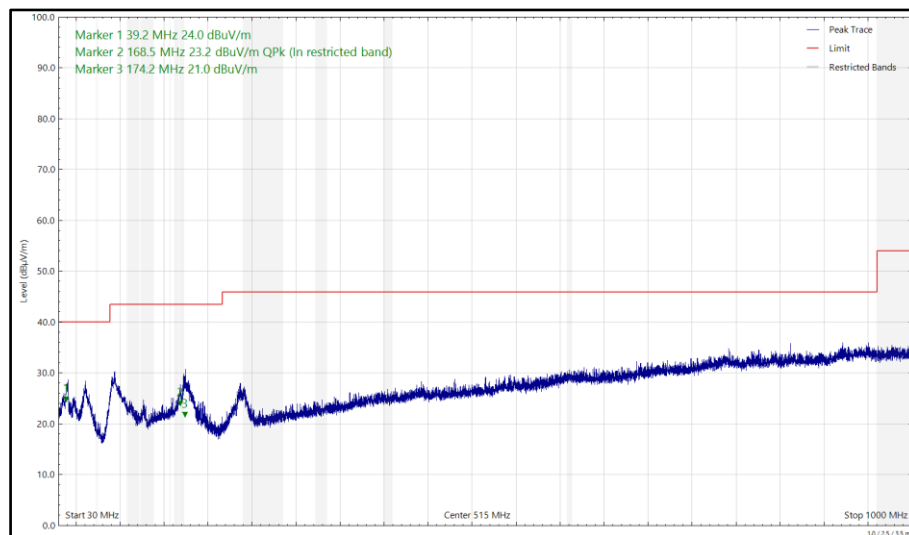


Figure 16 - 5240 MHz (CH48), HT20, CDD, Core 0 + Core 1 and 2411 MHz (CH39), DH5, iPA, Core 0 (Common), 30 MHz to 1 GHz, Vertical (Peak)

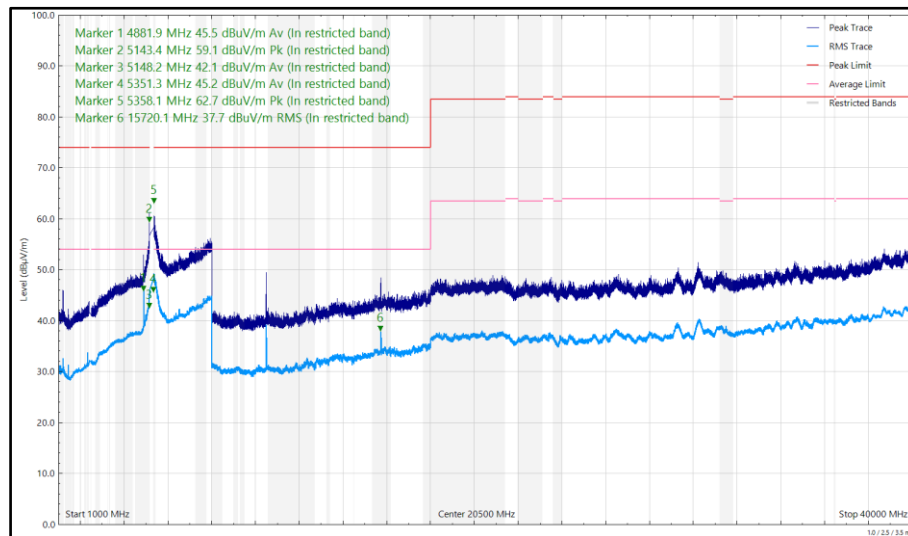


Figure 17 - 5240 MHz (CH48), HT20, CDD, Core 0 + Core 1 and 2441 MHz (CH39), DH5, iPA, Core 0 (Common), 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
37.815	20.13	40.00	-19.87	Q-Peak	177	371	Horizontal
38.123	22.47	40.00	-17.53	Q-Peak	10	116	Vertical
94.431	24.57	43.50	-18.93	Peak	66	120	Vertical
174.344	22.29	43.50	-21.21	Peak	140	110	Horizontal
2312.822	29.70	54.00	-24.30	CISPR Avg	110	163	Vertical
4882.003	42.72	54.00	-11.28	CISPR Avg	22	293	Vertical
5442.268	35.92	54.00	-18.08	CISPR Avg	40	400	Horizontal
5453.605	57.22	74.00	-16.78	Peak	4	326	Vertical
5457.730	43.53	54.00	-10.47	CISPR Avg	21	295	Vertical
11280.595	38.80	54.00	-15.20	RMS	84	356	Horizontal
11280.654	40.90	54.00	-13.10	RMS	339	219	Vertical

Table 10 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2441 MHz (CH39), DH5, iPA, Core 0 (Common), 30 MHz to 40 GHz

No other emissions found within 12 dB of the limit.

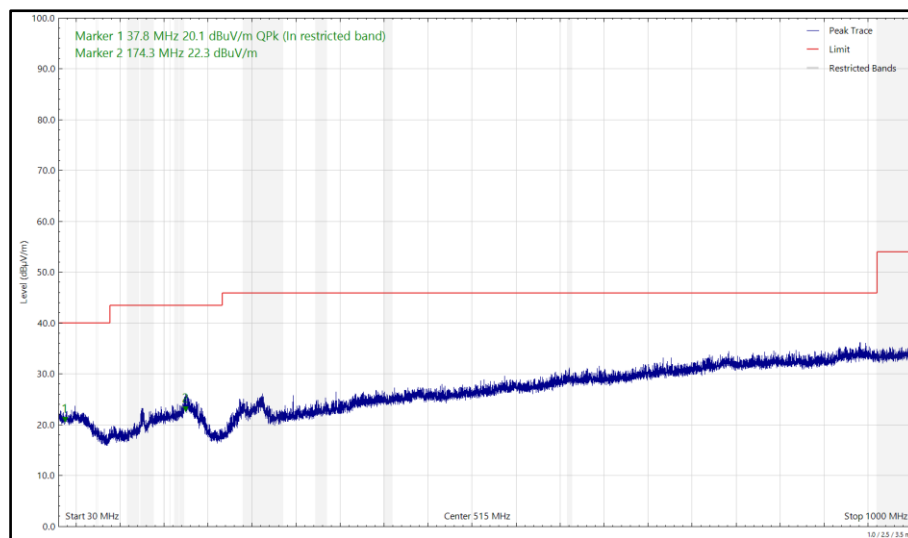


Figure 18 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2441 MHz (CH39), DH5, iPA, Core 0 (Common), 30 MHz to 1 GHz, Horizontal (Peak)

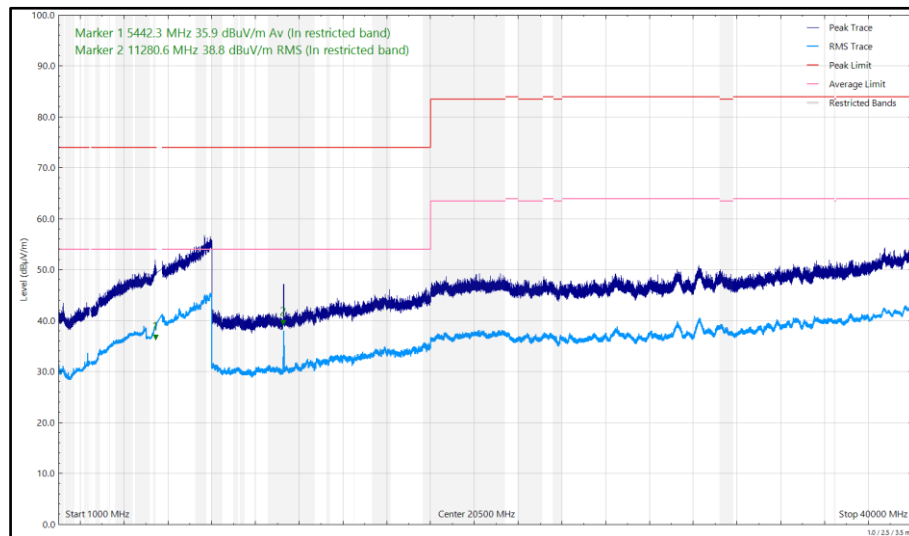


Figure 19 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2441 MHz (CH39), DH5, iPA, Core 0 (Common), 1 GHz to 40 GHz, Horizontal

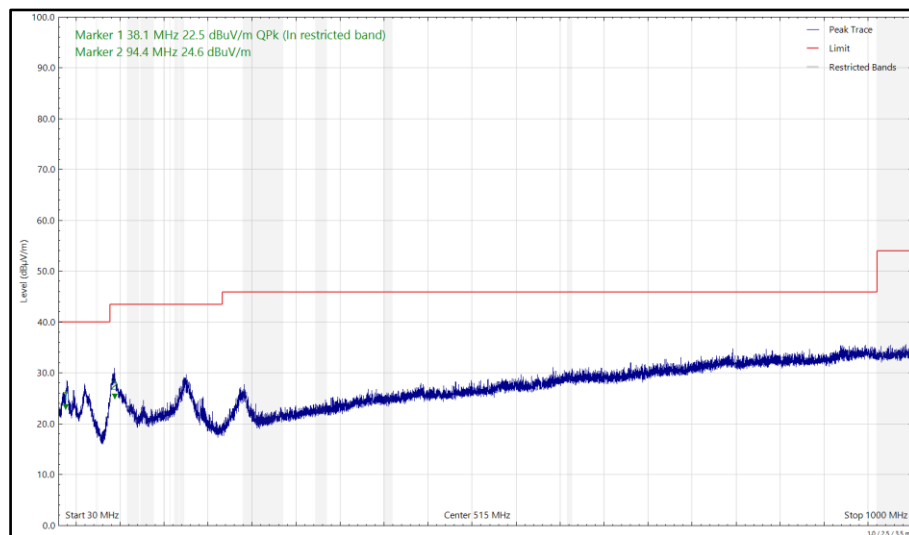


Figure 20 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2441 MHz (CH39), DH5, iPA, Core 0 (Common), 30 MHz to 1 GHz, Vertical (Peak)

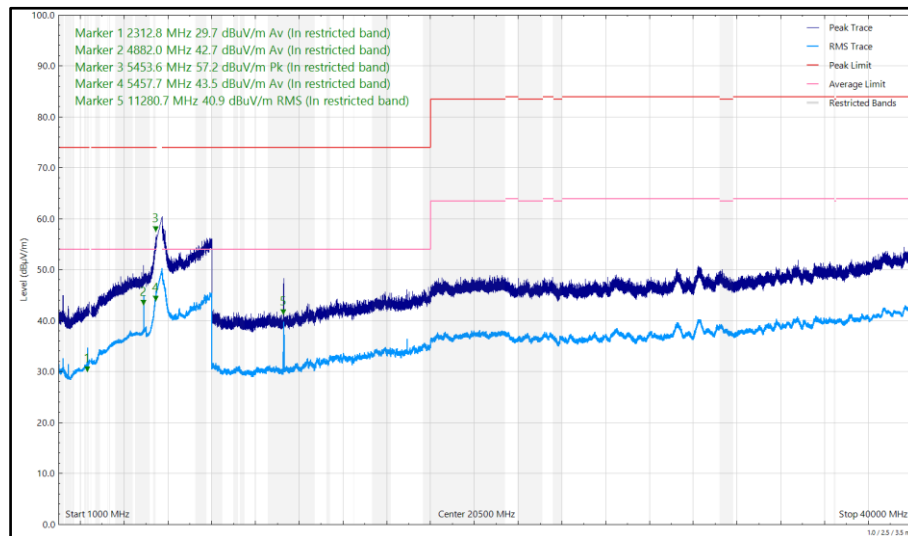


Figure 21 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2441 MHz (CH39), DH5, iPA, Core 0 (Common), 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
37.674	22.43	40.00	-17.57	Q-Peak	4	104	Vertical
38.131	20.42	40.00	-19.58	Q-Peak	84	392	Horizontal
74.882	19.53	40.00	-20.47	Q-Peak	207	100	Vertical
168.353	21.89	43.50	-21.61	Q-Peak	1	400	Horizontal
171.562	22.86	43.50	-20.64	Q-Peak	166	118	Vertical
253.985	20.95	46.00	-25.05	Q-Peak	213	100	Horizontal
2312.847	32.10	54.00	-21.90	CISPR Avg	184	113	Horizontal
4881.830	45.70	54.00	-8.30	CISPR Avg	342	270	Vertical
4882.049	37.87	54.00	-16.13	CISPR Avg	301	389	Horizontal
11570.299	37.63	54.00	-16.37	RMS	85	360	Horizontal
11570.547	41.97	54.00	-12.03	RMS	338	231	Vertical

Table 11 - 5785 MHz (CH157), HT20, CDD, Core 0 + Core 1 and 2441 MHz (CH39), DH5, iPA, Core 0 (Common), 30 MHz to 40 GHz

No other emissions found within 12 dB of the limit.

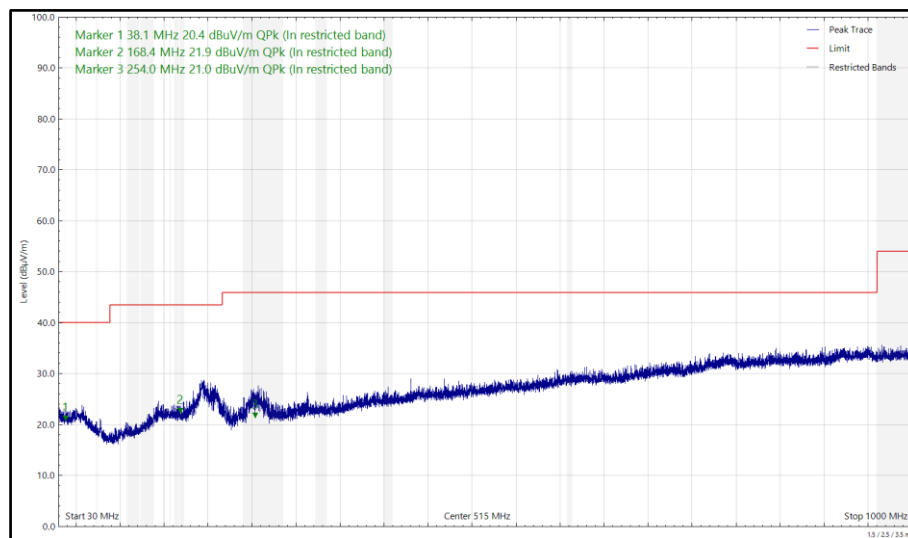


Figure 22 - 5785 MHz (CH157), HT20, CDD, Core 0 + Core 1 and 2441 MHz (CH39), DH5, iPA, Core 0 (Common), 30 MHz to 1 GHz, Horizontal (Peak)

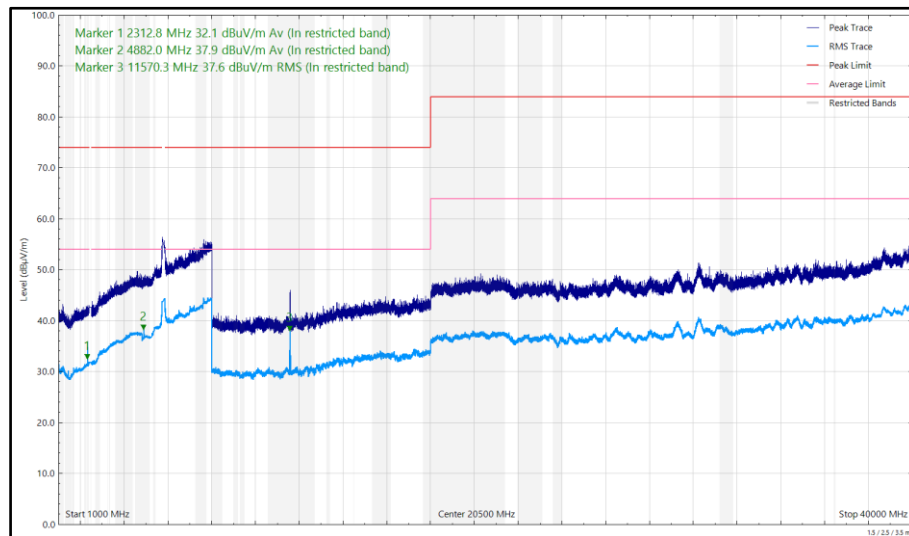


Figure 23 - 5785 MHz (CH157), HT20, CDD, Core 0 + Core 1 and 2441 MHz (CH39), DH5, iPA, Core 0 (Common), 1 GHz to 40 GHz, Horizontal

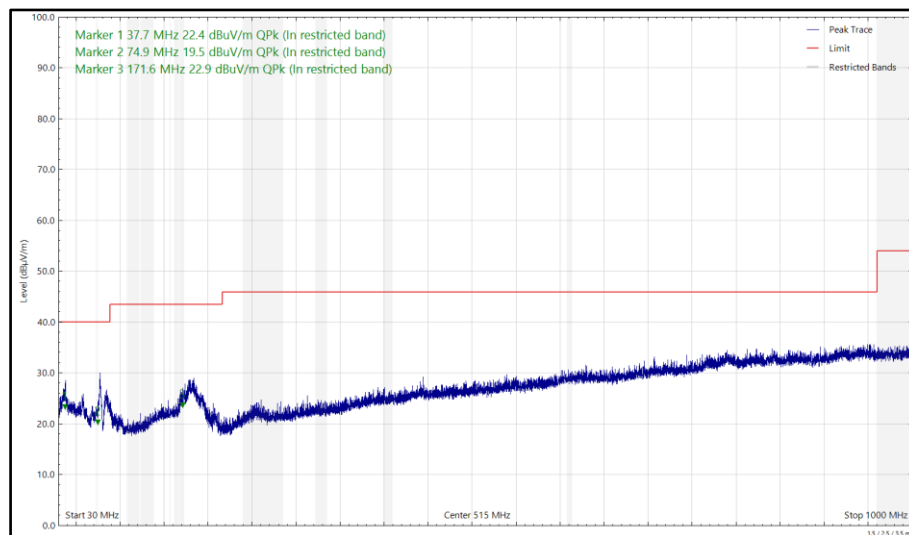


Figure 24 - 5785 MHz (CH157), HT20, CDD, Core 0 + Core 1 and 2441 MHz (CH39), DH5, iPA, Core 0 (Common), 30 MHz to 1 GHz, Vertical (Peak)

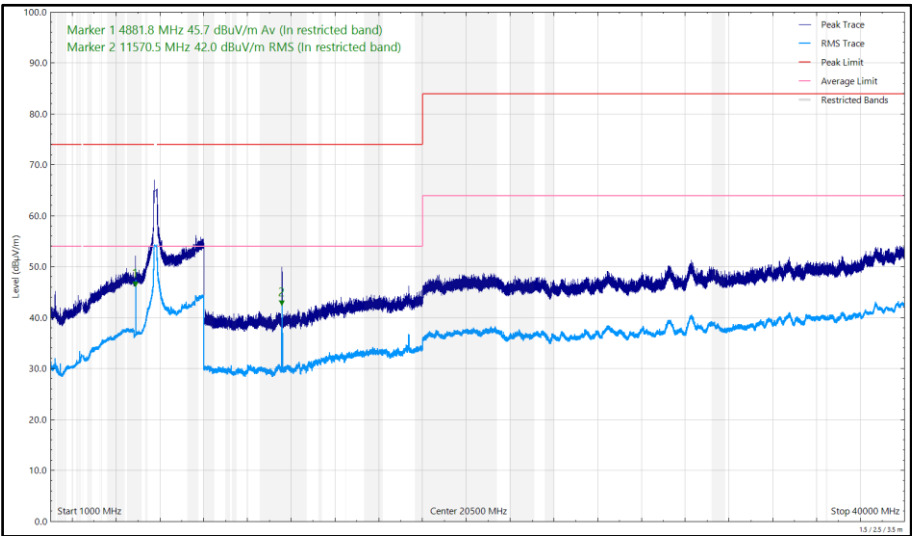


Figure 25 - 5785 MHz (CH157), HT20, CDD, Core 0 + Core 1 and 2441 MHz (CH39), DH5, iPA, Core 0 (Common), 1 GHz to 40 GHz, Vertical

FCC 47 CFR Part 15 and 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 / -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 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 12

6GHz WLAN and 2.4GHz Bluetooth

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
38.020	21.81	40.00	-18.19	Q-Peak	298	125	Vertical
38.076	20.16	40.00	-19.84	Q-Peak	202	244	Horizontal
167.809	23.62	43.50	-19.88	Q-Peak	150	114	Vertical
2312.604	31.32	54.00	-22.68	CISPR Avg	357	114	Vertical
4881.683	35.28	54.00	-18.72	CISPR Avg	28	385	Vertical
12349.603	44.43	54.00	-9.57	RMS	348	230	Vertical
12349.750	43.72	54.00	-10.28	RMS	281	330	Horizontal
18525.080	48.47	63.50	-15.03	RMS	145	100	Vertical

Table 13 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1 and 2441 MHz (CH39), DH5, Core 0 (Dedicated), 30 MHz to 40 GHz

No other emissions found within 12 dB of the limit.

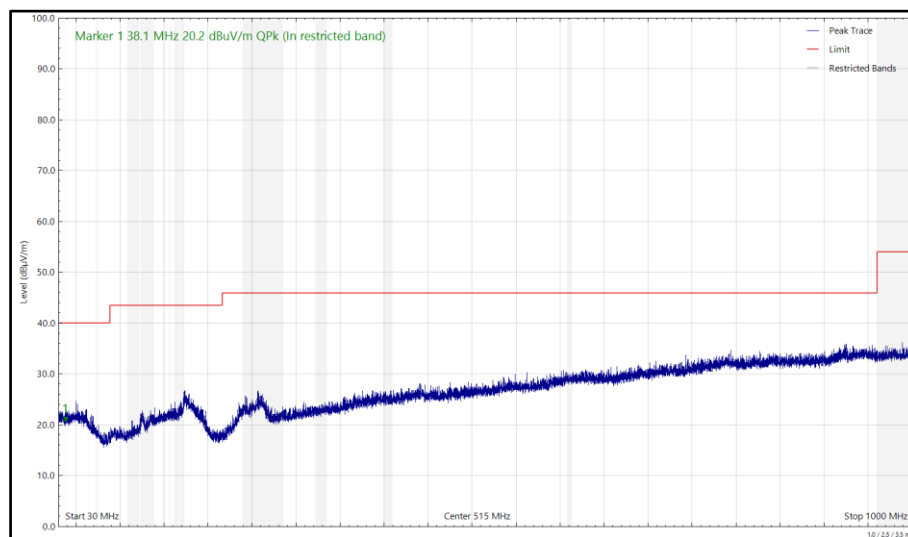


Figure 26 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1 and 2441 MHz (CH39), DH5, Core 0 (Dedicated), 30 MHz to 1 GHz, Horizontal (Peak)

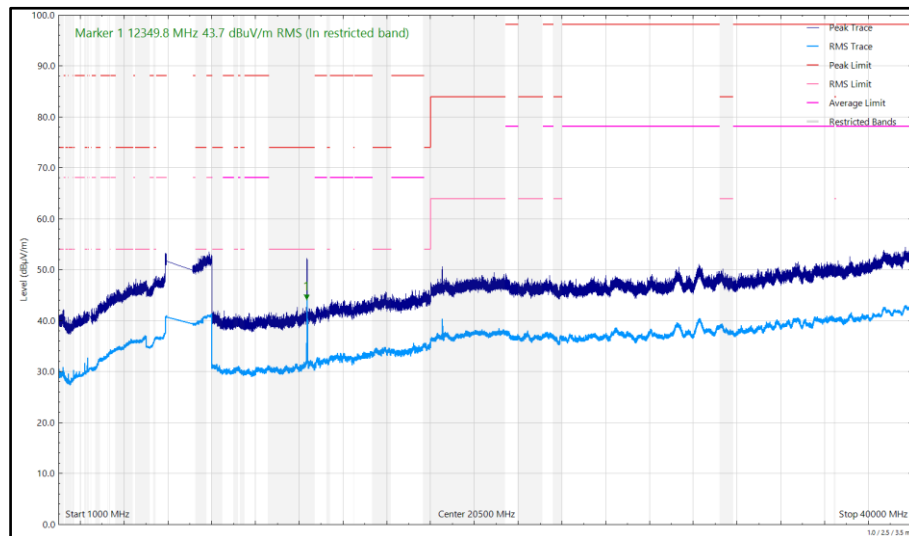


Figure 27 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1 and 2441 MHz (CH39), DH5, Core 0 (Dedicated), 1 GHz to 40 GHz, Horizontal

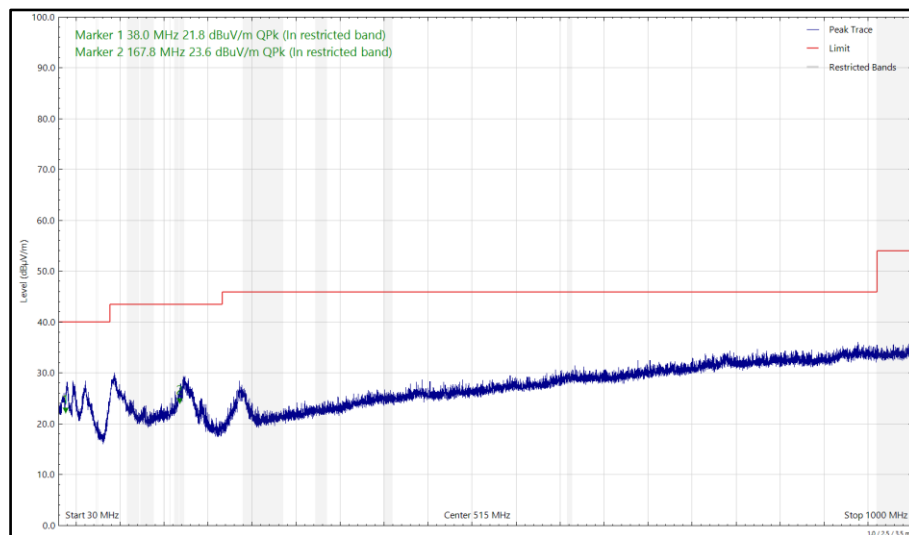


Figure 28 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1 and 2441 MHz (CH39), DH5, Core 0 (Dedicated), 30 MHz to 1 GHz, Vertical (Peak)

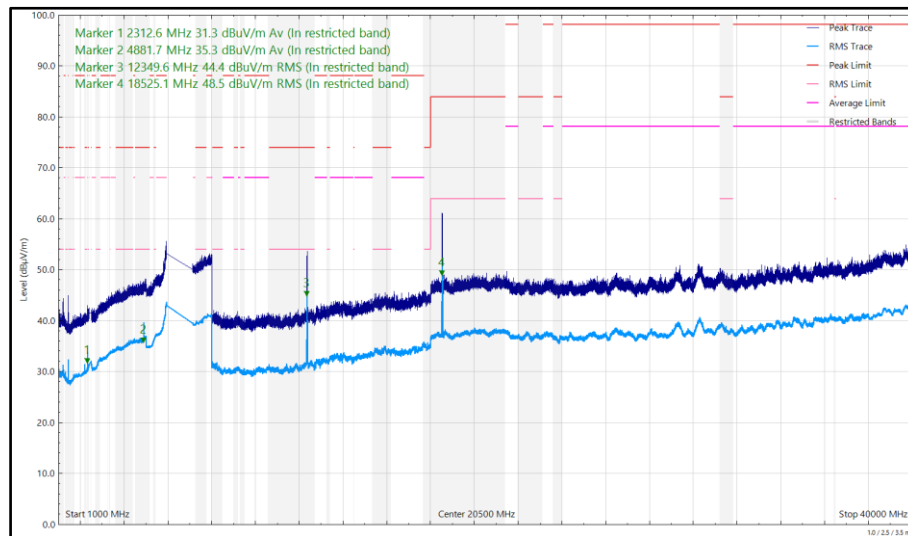


Figure 29 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1 and 2441 MHz (CH39), DH5, Core 0 (Dedicated), 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
169.319	21.57	43.50	-21.93	Q-Peak	44	226	Horizontal
172.829	24.15	43.50	-19.35	Q-Peak	0	100	Vertical
242.638	22.71	46.00	-23.29	Q-Peak	139	105	Vertical
2312.654	29.69	54.00	-24.31	CISPR Avg	138	154	Horizontal
2313.165	30.67	54.00	-23.33	CISPR Avg	9	154	Vertical
4893.110	32.58	54.00	-21.42	CISPR Avg	133	400	Vertical
7258.406	40.08	54.00	-13.92	CISPR Avg	37	243	Vertical
7264.977	54.11	74.00	-19.89	Peak	35	231	Vertical
20985.628	44.55	63.50	-18.95	RMS	129	100	Vertical

Table 14 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2441 MHz (CH39), DH5, Core 0 (Dedicated), 30 MHz to 40 GHz

No other emissions found within 12 dB of the limit.

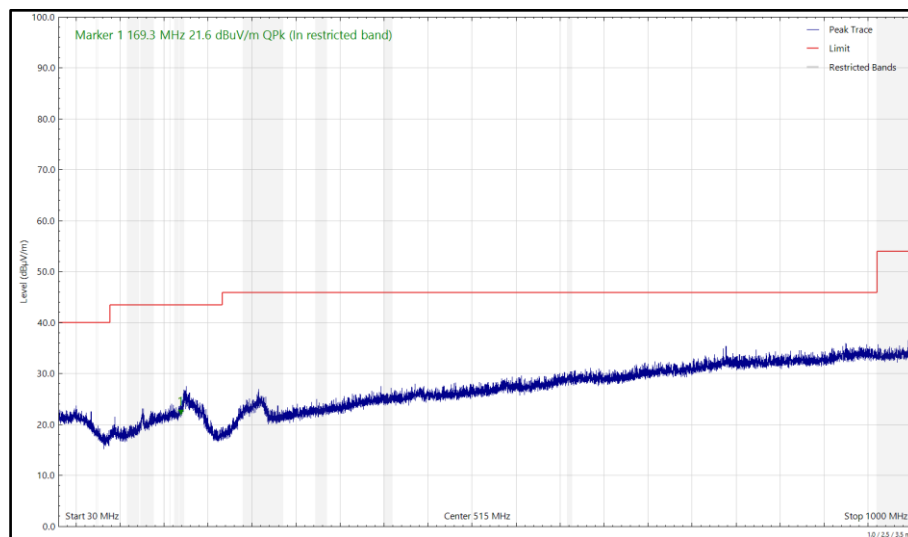


Figure 30 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2441 MHz (CH39), DH5, Core 0 (Dedicated), 30 MHz to 1 GHz, Horizontal (Peak)

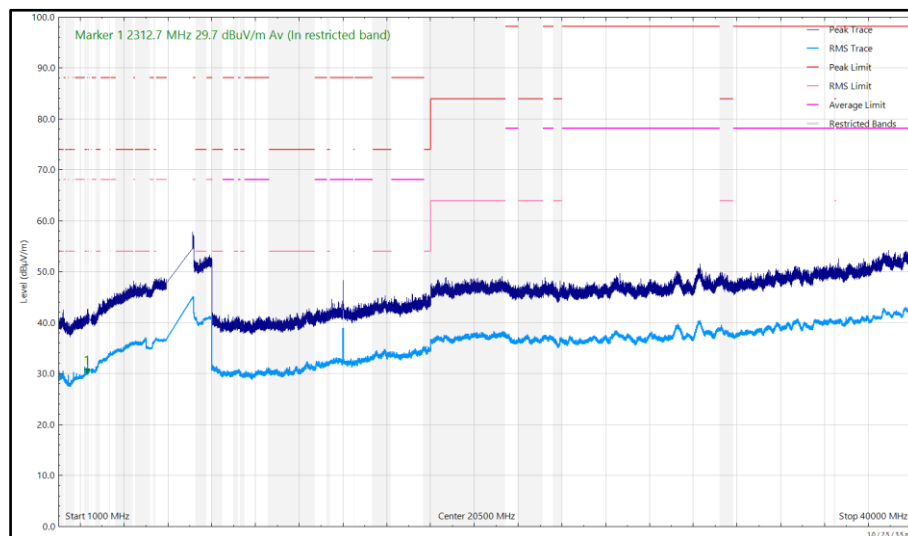


Figure 31 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2441 MHz (CH39), DH5, Core 0 (Dedicated), 1 GHz to 40 GHz, Horizontal

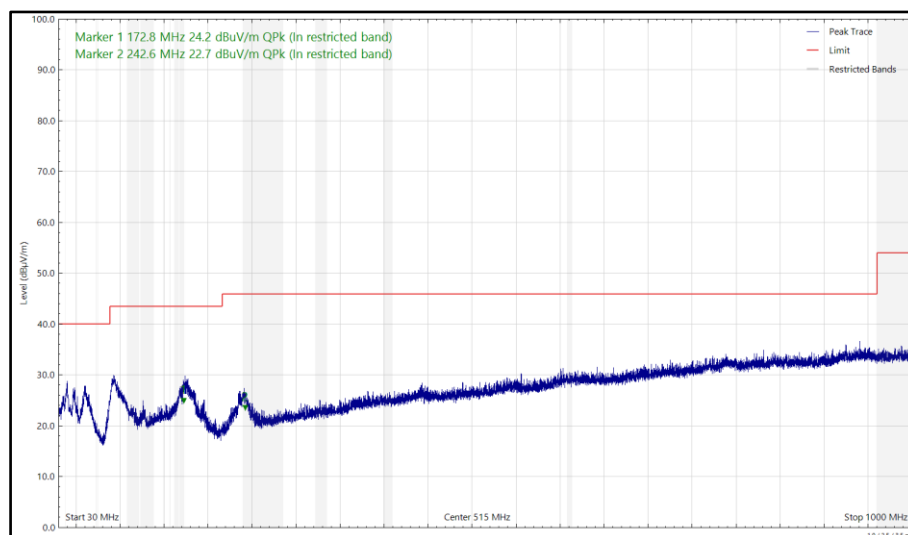


Figure 32 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2441 MHz (CH39), DH5, Core 0 (Dedicated), 30 MHz to 1 GHz, Vertical (Peak)

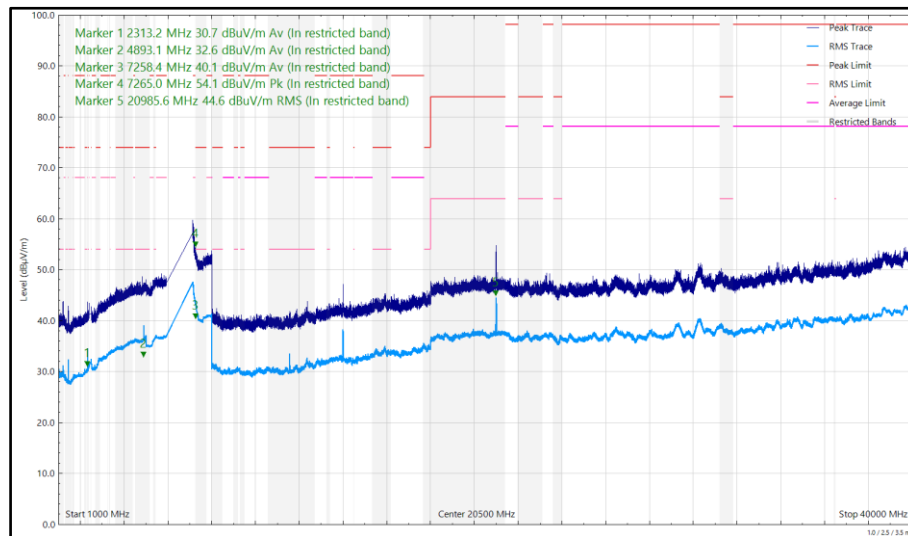


Figure 33 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2441 MHz (CH39), DH5, Core 0 (Dedicated), 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
127.108	19.10	43.50	-24.40	Q-Peak	290	387	Horizontal
173.101	23.91	43.50	-19.59	Q-Peak	154	102	Vertical
2311.880	28.21	54.00	-25.79	CISPR Avg	334	179	Horizontal
2313.140	29.20	54.00	-24.80	CISPR Avg	8	117	Vertical
4881.472	37.13	54.00	-16.87	CISPR Avg	5	236	Vertical
12349.303	43.64	54.00	-10.36	RMS	20	243	Vertical
12349.550	43.18	54.00	-10.82	RMS	280	326	Horizontal
18522.780	48.34	63.50	-15.16	RMS	131	100	Vertical

Table 15 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1 and 2441 MHz (CH39), DH5, Core 0 (Common), 30 MHz to 40 GHz

No other emissions found within 12 dB of the limit.

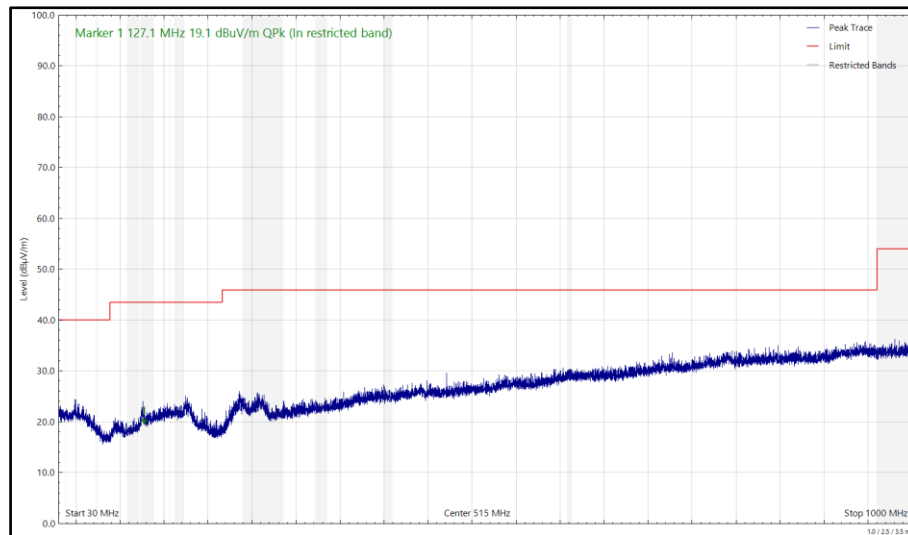


Figure 34 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1 and 2441 MHz (CH39), DH5, Core 0 (Common), 30 MHz to 1 GHz, Horizontal (Peak)

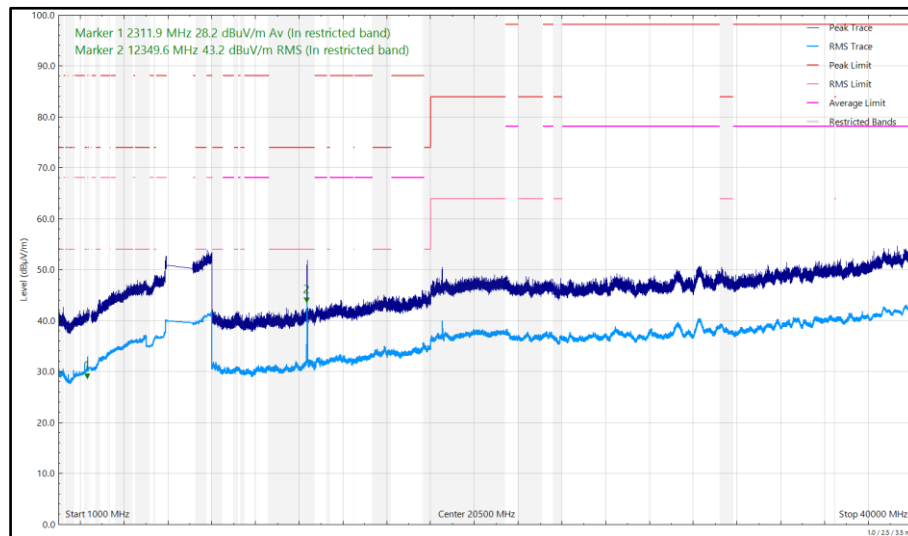


Figure 35 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1 and 2441 MHz (CH39), DH5, Core 0 (Common), 1 GHz to 40 GHz, Horizontal

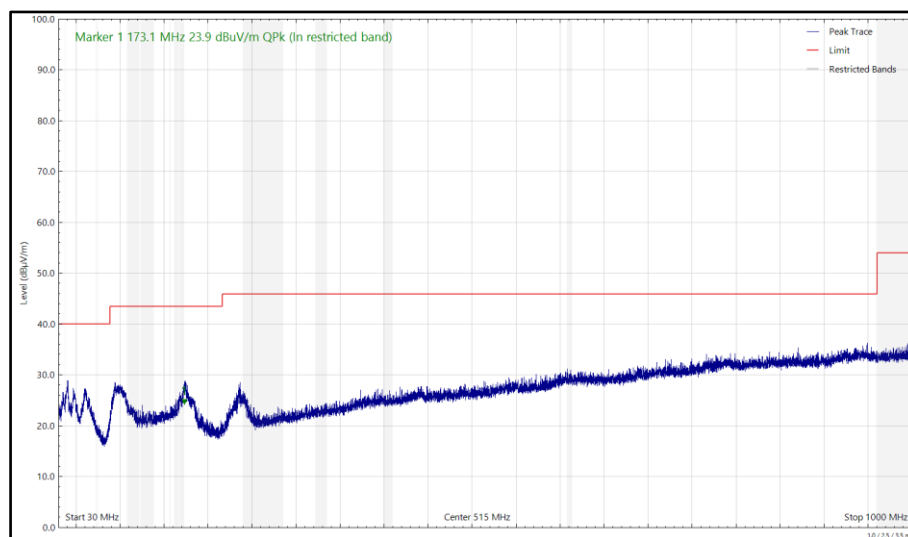


Figure 36 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1 and 2441 MHz (CH39), DH5, Core 0 (Common), 30 MHz to 1 GHz, Vertical (Peak)

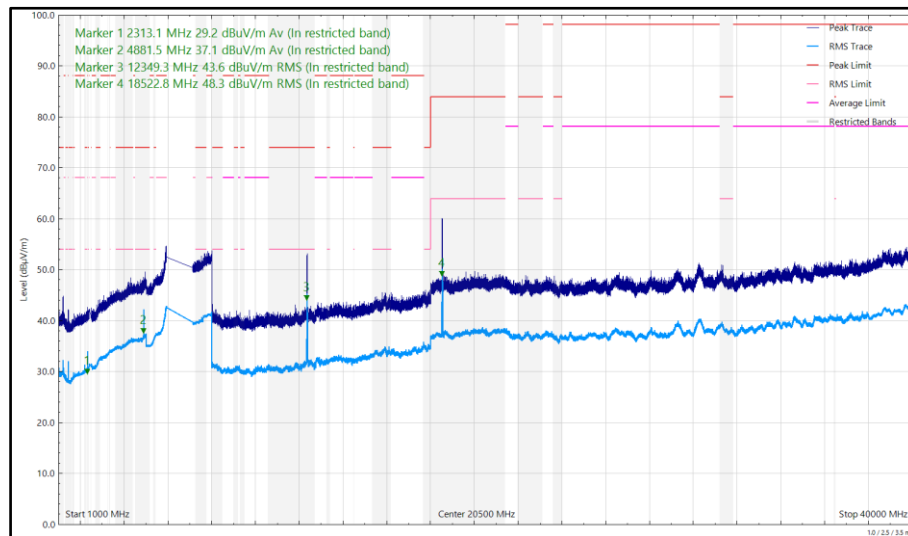


Figure 37 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1 and 2441 MHz (CH39), DH5, Core 0 (Common), 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
38.189	21.63	40.00	-18.37	Q-Peak	3	224	Vertical
126.062	19.49	43.50	-24.01	Q-Peak	352	388	Horizontal
173.130	24.13	43.50	-19.37	Q-Peak	176	100	Vertical
2311.965	29.16	54.00	-24.84	CISPR Avg	75	100	Vertical
2313.020	30.01	54.00	-23.99	CISPR Avg	220	111	Horizontal
4881.773	36.80	54.00	-17.20	CISPR Avg	337	389	Vertical
20983.998	43.26	63.50	-20.24	RMS	131	100	Vertical

Table 16 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2441 MHz (CH39), DH5, Core 0 (Common), 30 MHz to 40 GHz

No other emissions found within 12 dB of the limit.

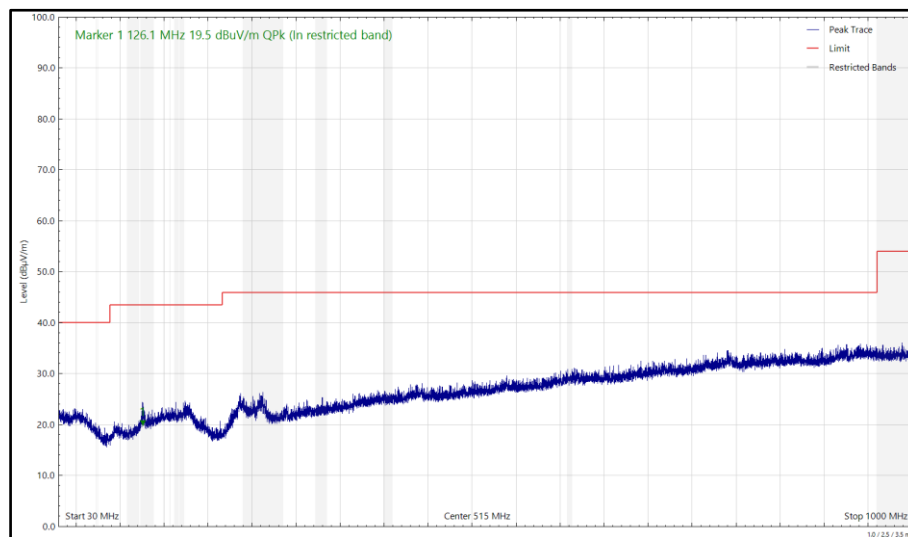


Figure 38 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2441 MHz (CH39), DH5, Core 0 (Common), 30 MHz to 1 GHz, Horizontal (Peak)

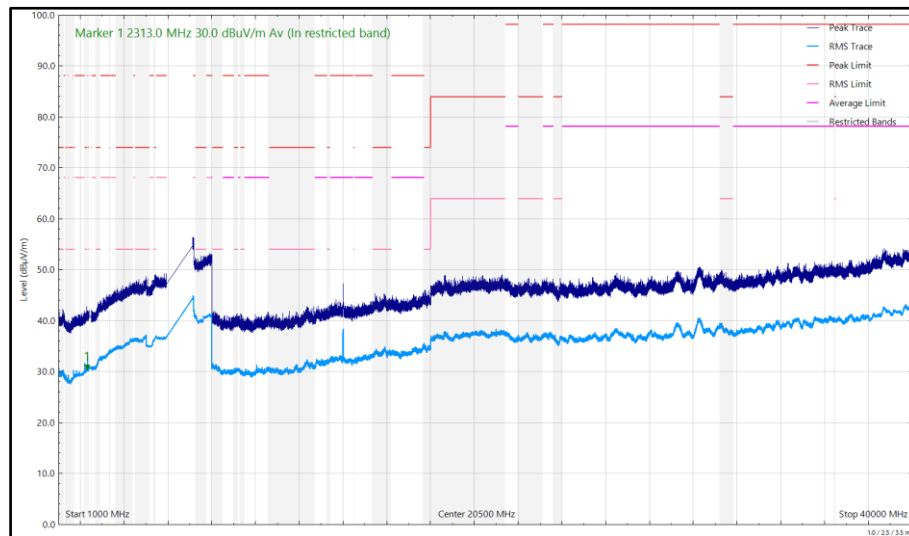


Figure 39 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2441 MHz (CH39), DH5, Core 0 (Common), 1 GHz to 40 GHz, Horizontal

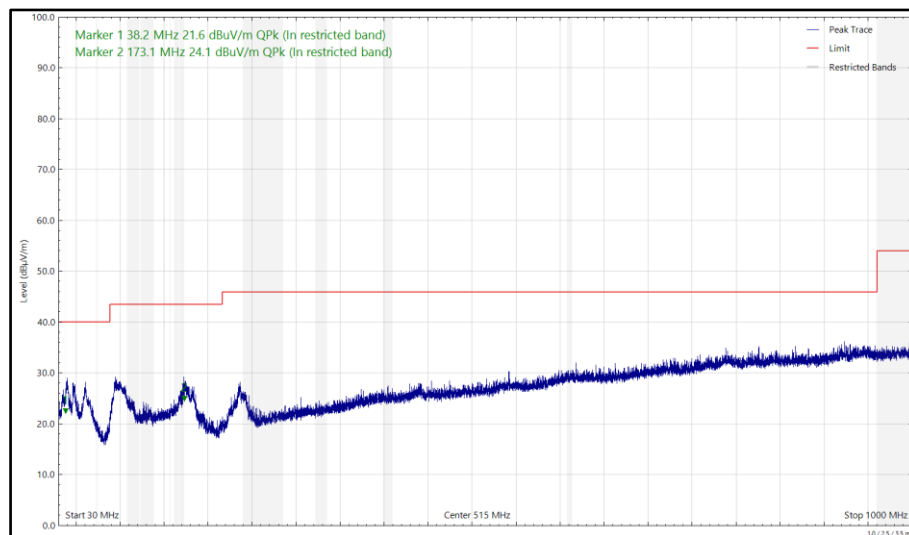


Figure 40 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2441 MHz (CH39), DH5, Core 0 (Common), 30 MHz to 1 GHz, Vertical (Peak)

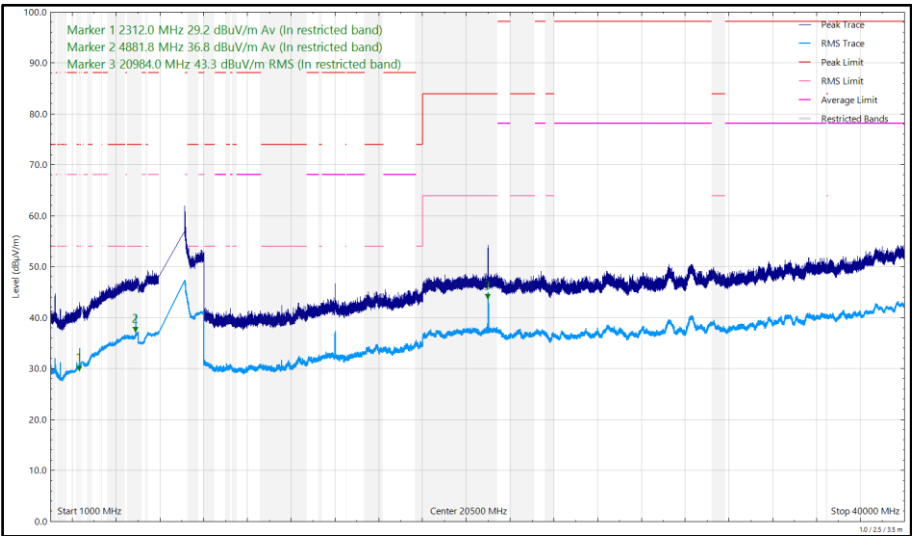


Figure 41 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2441 MHz (CH39), DH5, Core 0 (Common), 1 GHz to 40 GHz, Vertical

FCC 47 CFR Part 15 and ISSED RSS-247 and ISSED RSS-248 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 / -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 17



2.4 GHz WLAN and 2.4 GHz Bluetooth

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation	Orientation
38.116	20.11	40.00	-19.89	Q-Peak	191	390	Horizontal	
38.153	21.89	40.00	-18.11	Q-Peak	349	139	Vertical	
40.639	23.27	40.00	-16.73	Peak	341	100	Vertical	
47.515	20.66	40.00	-19.34	Peak	10	390	Horizontal	
172.188	22.64	43.50	-20.86	Peak	146	100	Vertical	Restricted Band
247.145	19.77	46.00	-26.23	Peak	184	230	Vertical	Restricted Band
2384.331	51.72	74.00	-22.28	Peak	63	385	Horizontal	
2386.194	34.80	54.00	-19.20	CISPR Avg	56	400	Horizontal	
2389.325	61.29	74.00	-12.71	Peak	351	239	Vertical	
2389.325	41.15	54.00	-12.85	CISPR Avg	351	239	Vertical	
2484.168	53.74	74.00	-20.26	Peak	56	389	Horizontal	
2484.168	34.37	54.00	-19.63	CISPR Avg	56	389	Horizontal	
2484.332	63.68	74.00	-10.32	Peak	5	291	Vertical	
4912.340	31.39	54.00	-22.61	Peak	3	300	Vertical	Restricted Band
7311.602	38.44	54.00	-15.56	RMS	41	228	Vertical	

Table 18 - 2437 MHz (CH6), HT20, Core 1 (Dedicated) and 2450 MHz (CH48), DH5, Core 0 (Common), 30 MHz to 26 GHz

No other emissions found within 12 dB of the limit.

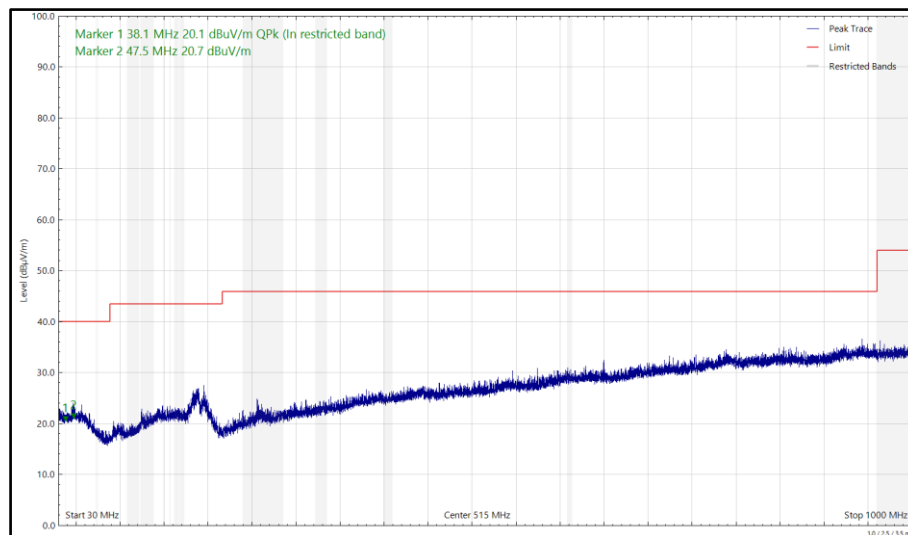


Figure 42 - 2437 MHz (CH6), HT20, Core 1 (Dedicated) and 2450 MHz (CH48), DH5, Core 0 (Common), 30 MHz to 1 GHz, Horizontal (Peak)

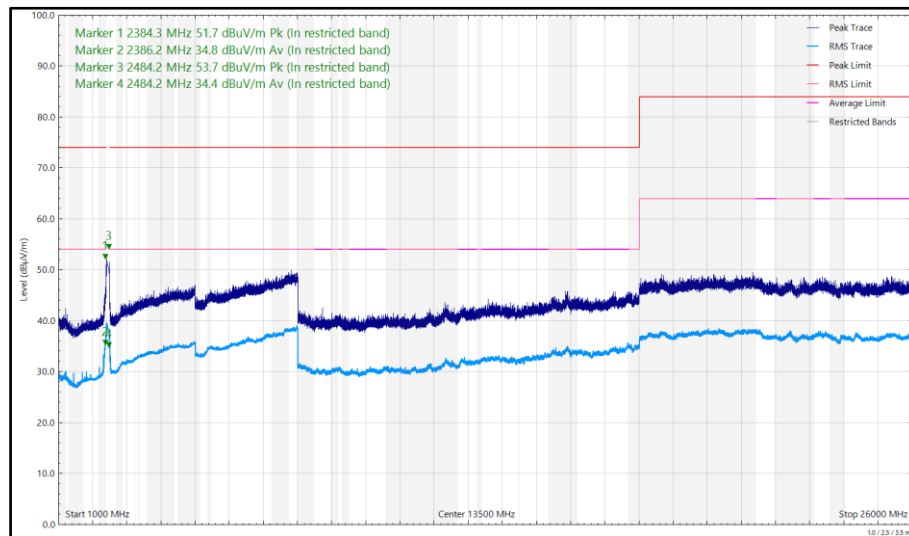


Figure 43 - 2437 MHz (CH6), HT20, Core 1 (Dedicated) and 2450 MHz (CH48), DH5, Core 0 (Common), 1 GHz to 26 GHz, Horizontal

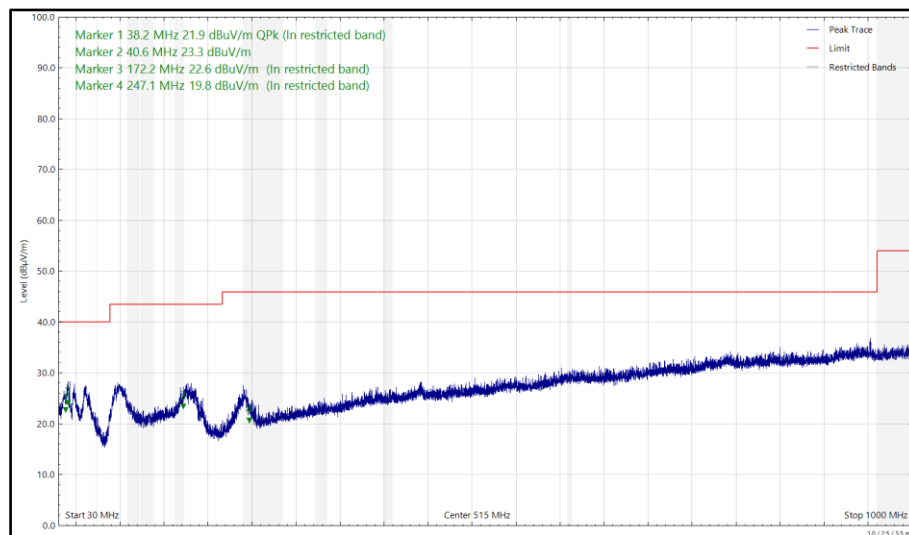


Figure 44 - 2437 MHz (CH6), HT20, Core 1 (Dedicated) and 2450 MHz (CH48), DH5, Core 0 (Common), 30 MHz to 1 GHz, Vertical (Peak)

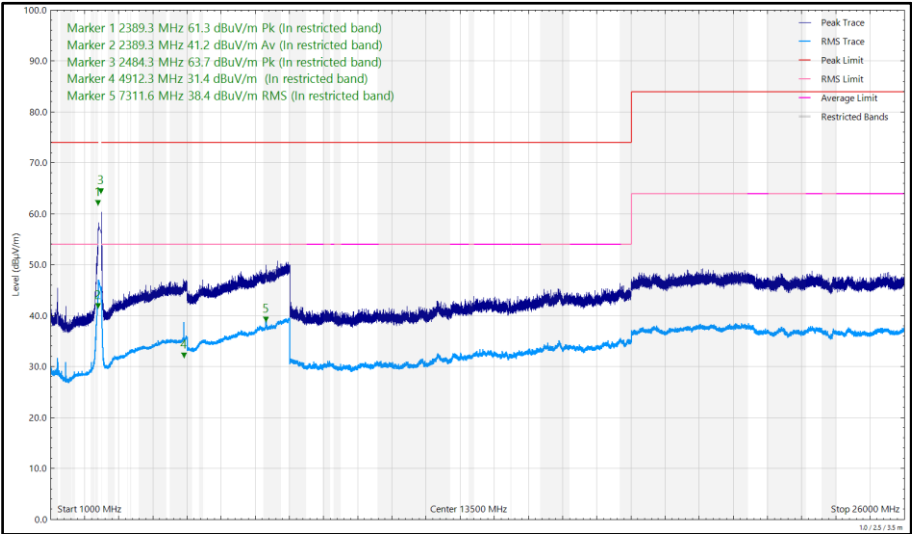


Figure 45 - 2437 MHz (CH6), HT20, Core 1 (Dedicated) and 2450 MHz (CH48), DH5, Core 0 (Common), 1 GHz to 26 GHz, Vertical

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

Table 19

2.4GHz WLAN and 5GHz WLAN

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
37.948	21.51	40.00	-18.49	Q-Peak	360	140	Vertical
38.050	20.40	40.00	-19.60	Q-Peak	351	367	Horizontal
113.766	18.32	43.50	-25.18	Q-Peak	140	388	Vertical
125.531	19.39	43.50	-24.11	Q-Peak	332	320	Horizontal
172.180	21.83	43.50	-21.67	Q-Peak	122	174	Vertical
2388.837	39.65	54.00	-14.35	RMS	325	397	Vertical
2389.785	34.91	54.00	-19.09	RMS	304	390	Horizontal
2483.519	40.19	54.00	-13.81	RMS	0	225	Vertical
2484.148	34.37	54.00	-19.63	RMS	307	318	Horizontal
4874.799	42.80	54.00	-11.20	RMS	24	300	Vertical
5147.297	36.81	54.00	-17.19	RMS	239	239	Horizontal
5149.243	42.62	54.00	-11.38	RMS	25	247	Vertical
5369.486	58.61	74.00	-15.39	Peak	24	249	Vertical
5393.821	39.30	54.00	-14.70	RMS	304	348	Horizontal
5396.979	47.80	54.00	-6.20	RMS	16	285	Vertical

Table 20 - 2437 MHz (CH6), HT20, Core 1 (Dedicated) and 5240 MHz (CH48), HT20, Core 0, 30 MHz to 40 GHz

No other emissions found within 20 dB of the limit.

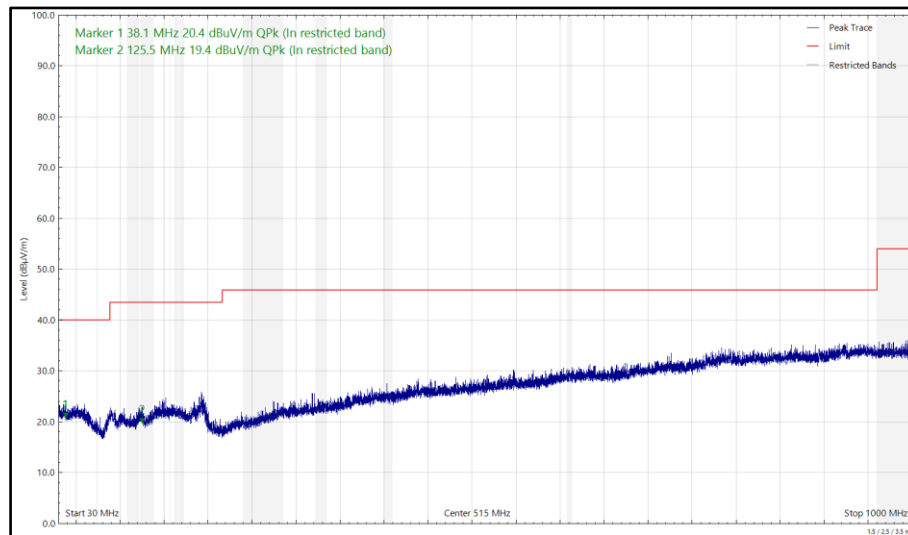


Figure 46 - 2437 MHz (CH6), HT20, Core 1 (Dedicated) and 5240 MHz (CH48), HT20, Core 0, 30 MHz to 1 GHz, Horizontal (Peak)

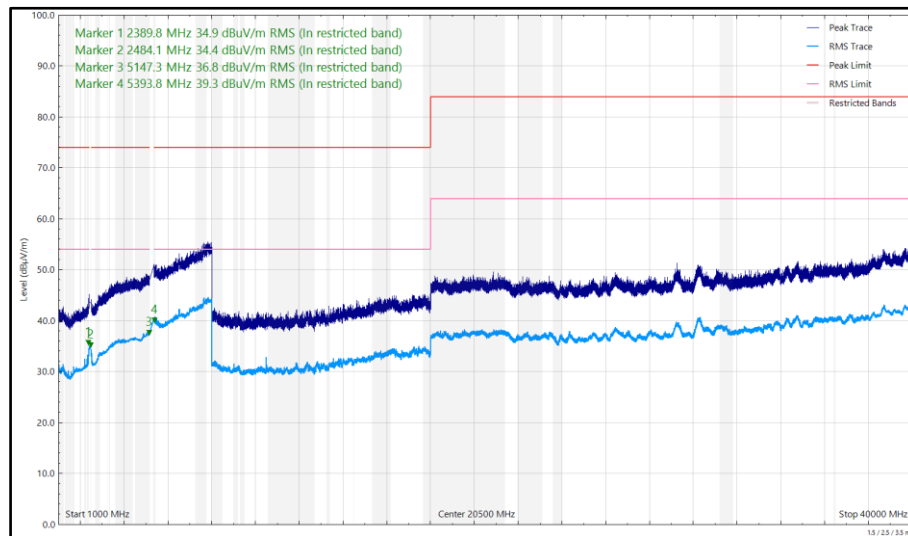


Figure 47 - 2437 MHz (CH6), HT20, Core 1 (Dedicated) and 5240 MHz (CH48), HT20, Core 0, 1 GHz to 40 GHz, Horizontal

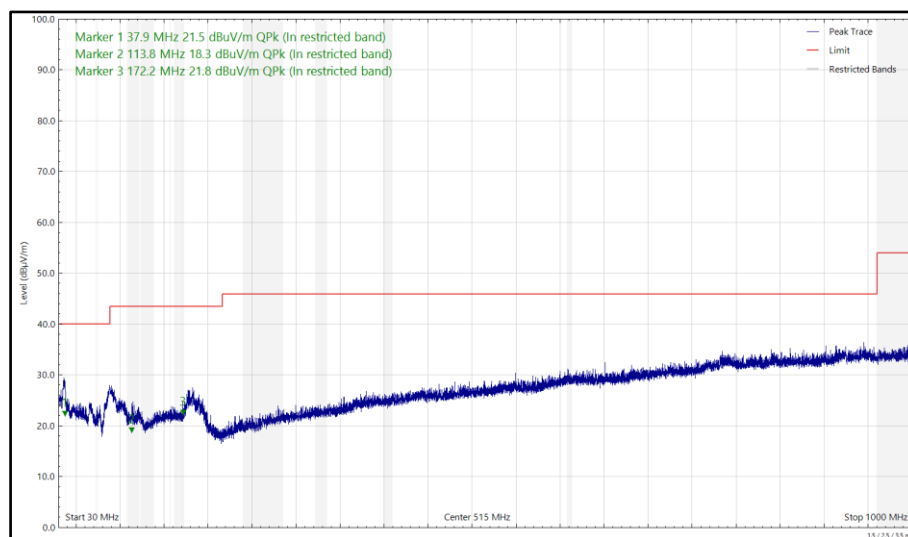


Figure 48 - 2437 MHz (CH6), HT20, Core 1 (Dedicated) and 5240 MHz (CH48), HT20, Core 0, 30 MHz to 1 GHz, Vertical (Peak)

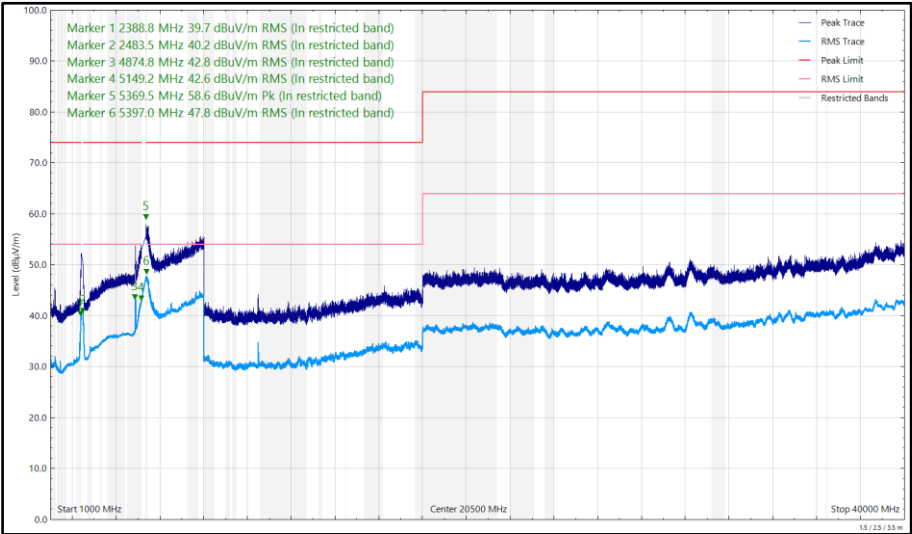


Figure 49 - 2437 MHz (CH6), HT20, Core 1 (Dedicated) and 5240 MHz (CH48), HT20, Core 0, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
37.723	22.87	40.00	-17.13	Q-Peak	20	108	Vertical
113.748	19.47	43.50	-24.03	Q-Peak	354	111	Vertical
135.884	20.43	43.50	-23.07	Q-Peak	322	361	Horizontal
162.424	22.16	43.50	-21.34	Q-Peak	115	265	Horizontal
170.014	22.11	43.50	-21.39	Q-Peak	187	113	Vertical
2388.027	39.17	54.00	-14.83	RMS	10	200	Vertical
2389.059	35.32	54.00	-18.68	RMS	307	389	Horizontal
2483.981	40.54	54.00	-13.46	RMS	357	250	Vertical
2485.526	34.86	54.00	-19.14	RMS	301	395	Horizontal
4874.864	41.08	54.00	-12.92	RMS	1	318	Vertical
5426.015	55.20	74.00	-18.80	Peak	19	276	Vertical
5452.776	38.52	54.00	-15.48	RMS	181	384	Horizontal
5459.713	44.88	54.00	-9.12	RMS	18	269	Vertical
11279.150	39.31	54.00	-14.69	RMS	343	244	Vertical
11279.553	37.04	54.00	-16.96	RMS	87	374	Horizontal

Table 21 - 2437 MHz (CH6), HT20, Core 1 (Dedicated) and 5640 MHz (CH128), HT20, Core 0, 30 MHz to 40 GHz

No other emissions found within 20 dB of the limit.

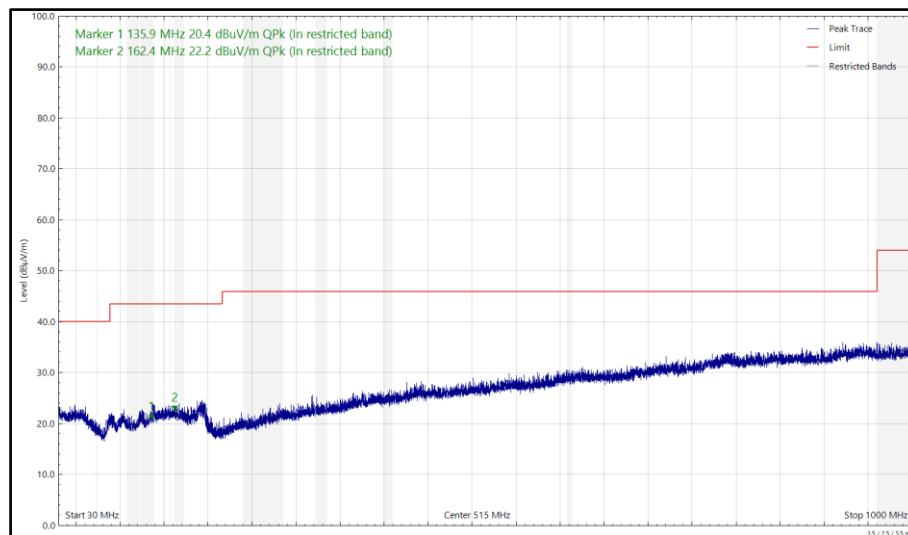


Figure 50 - 2437 MHz (CH6), HT20, Core 1 (Dedicated) and 5640 MHz (CH128), HT20, Core 0, 30 MHz to 1 GHz, Horizontal (Peak)

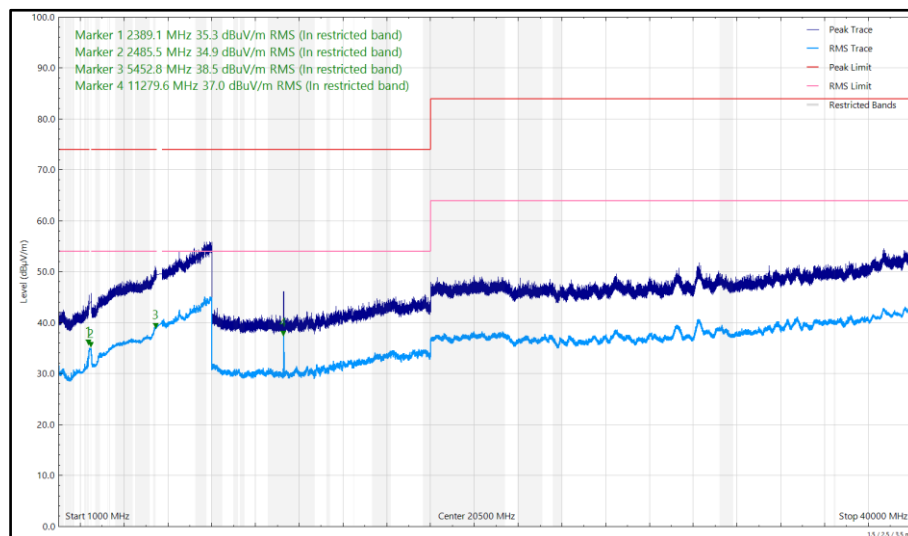


Figure 51 - 2437 MHz (CH6), HT20, Core 1 (Dedicated) and 5640 MHz (CH128), HT20, Core 0, 1 GHz to 40 GHz, Horizontal

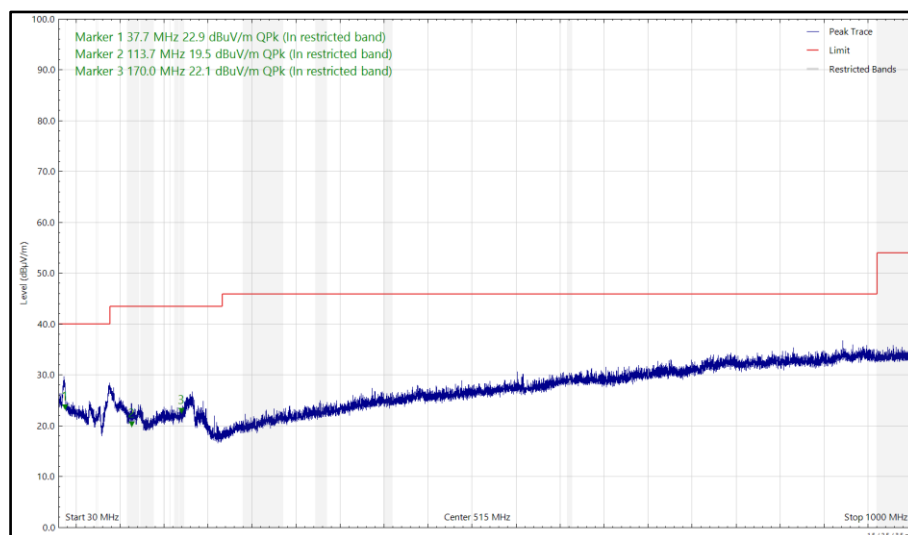


Figure 52 - 2437 MHz (CH6), HT20, Core 1 (Dedicated) and 5640 MHz (CH128), HT20, Core 0, 30 MHz to 1 GHz, Vertical (Peak)

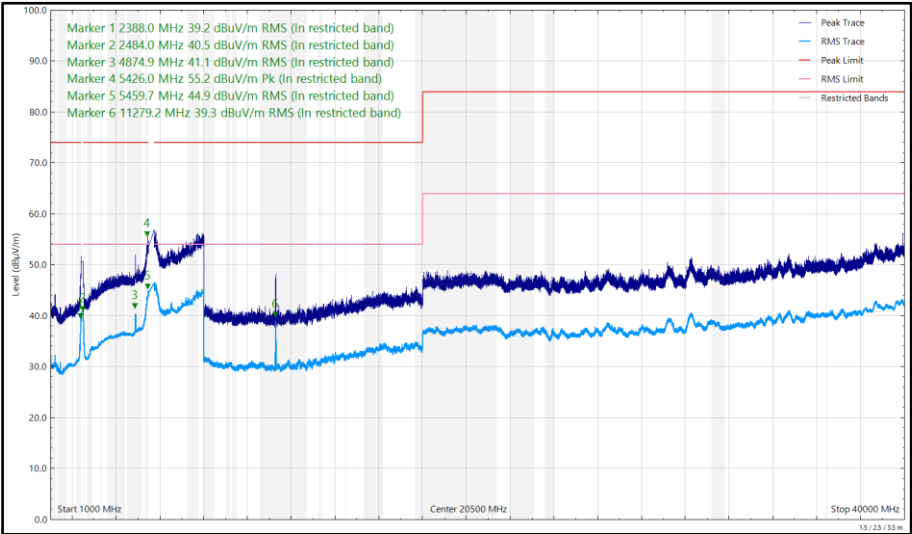


Figure 53 - 2437 MHz (CH6), HT20, Core 1 (Dedicated) and 5640 MHz (CH128), HT20, Core 0, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
37.724	21.77	40.00	-18.23	Q-Peak	163	267	Vertical
37.909	20.51	40.00	-19.49	Q-Peak	167	389	Horizontal
130.463	19.87	43.50	-23.63	Q-Peak	134	102	Vertical
165.085	22.05	43.50	-21.45	Q-Peak	273	400	Horizontal
2388.327	39.36	54.00	-14.64	RMS	321	398	Vertical
2388.883	35.30	54.00	-18.70	RMS	310	389	Horizontal
2483.562	35.52	54.00	-18.48	RMS	309	400	Horizontal
2484.079	39.84	54.00	-14.16	RMS	356	329	Vertical
4873.551	39.33	54.00	-14.67	RMS	7	289	Vertical
5458.892	41.06	54.00	-12.94	RMS	4	289	Vertical
11570.349	40.91	54.00	-13.09	RMS	337	247	Vertical
11571.402	36.79	54.00	-17.21	RMS	79	352	Horizontal

Table 22 - 2437 MHz (CH6), HT20, Core 1 (Dedicated) and 5785 MHz (CH157), HT20, Core 0, 30 MHz to 40 GHz

No other emissions found within 20 dB of the limit.

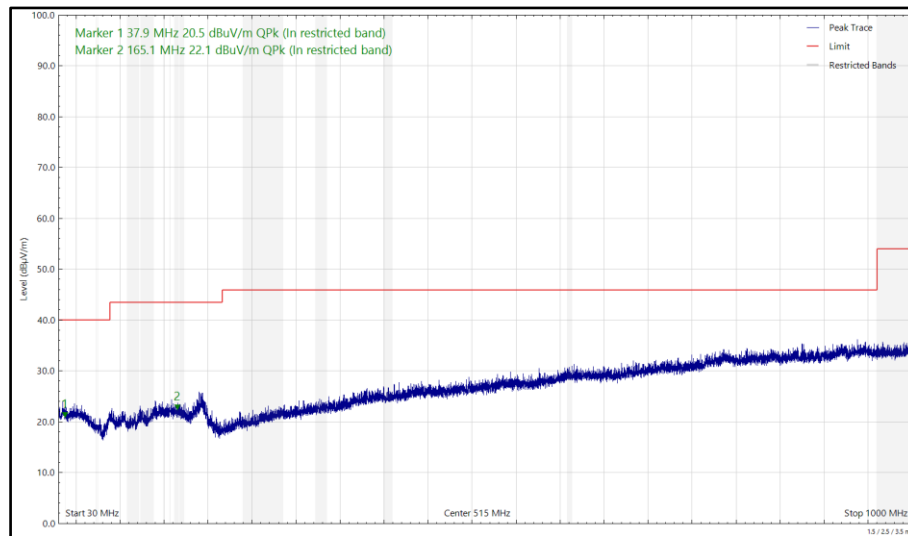


Figure 54 - 2437 MHz (CH6), HT20, Core 1 (Dedicated) and 5785 MHz (CH157), HT20, Core 0, 30 MHz to 1 GHz, Horizontal (Peak)