FCC and ISED Test Report

Apple Inc
Model: A2686

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 and Narrowband)

Add value.
Inspire trust.

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

FCC ID: FCC ID BCGA2686 IC: IC ID 579C-A2686

TUV SUD Digitally signed by TUV SUD Date: 2022.11.07 11:51:17 Z

COMMERCIAL-IN-CONFIDENCE

Document 75954423-19 Issue 01

SIGNATURE			
NAME	**JOB TITLE**	**RESPONSIBLE FOR**	**ISSUE DATE**
S Bennett	Head Of New Service Development	Authorised Signatory	07 November 2022

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	Lauren Walters	07 November 2022	

FCC Accreditation
90987 Octagon House, Fareham Test Laboratory

ISED Accreditation
12669A Octagon House, Fareham Test Laboratory

EXECUTIVE SUMMARY

A sample of this product was tested and found to be compliant with FCC 47 CFR Part 15: 2020, ISED RSS-247: Issue 2 (2017-02), ISED RSS-248: Issue 1 (2021-11) 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 Ltd is a
TÜV SÜD Group Company

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

TÜV SÜD
Octagon House
Concorde Way
Fareham
Hampshire PO15 5RL
United Kingdom

Contents

1 Report Summary

1.1 Report Modification Record

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

Issue	Description of Change	Date of Issue
1	First Issue	07 November 2022

Table 1

1.2 Introduction

Applicant	Apple Inc
Manufacturer	Apple Inc
Model Number(s)	A2686
Serial Number(s)	XVFXG6M544
Hardware Version(s)	REV 1.0
Software Version(s)	22A12310t
Number of Samples Tested	1
Test Specification/Issue/Date	FCC 47 CFR Part 15: 2020 ISED RSS-247: Issue 2 (2017-02) ISED RSS-248: Issue 1 (2021-11) ISED RSS-GEN: Issue 5 (2018-04) + A2 (2021-02)
Order Number	0540246998
Date of Receipt of EUT	05-April-2022
Start of Test	09-September-2022
Finish of Test	01-November-2022
Name of Engineer(s)	Colin Brain, Thomas Randall, Ioan-Alexandru Bogatu, Ian Hart and Danial Shafique
Related Document(s)	ANSI C63.26: 2015 ANSI C63.10: 2013 ANSI C63.10: 2020 KDB 987594 D02 v01r01

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: CoTX - Bluetooth + 5 GHz WLAN							
2.1	15.209, 15.247(d) and 15.407(b)	5.5 and 6.2	-	8.9	Radiated Spurious Emissions (Simultaneous Transmission)	Pass	
Configuration and Mode: CoTX - Bluetooth + 6 GHz WLAN							
2.1	15.209, 15.247(d) and 15.407(b)	5.5 and 6.2	-	8.9	Radiated Spurious Emissions (Simultaneous Transmission)	Pass	
Configuration and Mode: CoTX - 2.4 GHz WLAN + Narrowband							
2.1	15.209, 15.247(d) and 15.407(b)	5.5	4.7	8.9	Radiated Spurious Emissions (Simultaneous Transmission)	Pass	

Table 2

1.4 Product Information

1.4.1 Technical Description

The Equipment under test (EUT) was an Apple desktop computer with Bluetooth® and IEEE 802.11 a/b/g/n/ac/ax Wi-Fi in the 2.4 GHz, 5 GHz and 6 GHz bands.

1.5 Deviations from the Standard

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

1.6 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: A2686, Serial Number: XVFXG6M544			
0	As supplied by the customer	Not Applicable	Not Applicable

Table 3

1.7 Test Location

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

Test Name	Name of Engineer(s)	Accreditation
Configuration and Mode: CoTX - Bluetooth + 5 GHz WLAN		
Radiated Spurious Emissions (Simultaneous Transmission)	Colin Brain, Thomas Randall, Ioan-Alexandru Bogatu, Ian Hart and Danial Shafique	UKAS
Configuration and Mode: CoTX - Bluetooth + 6 GHz WLAN		
Radiated Spurious Emissions (Simultaneous Transmission)	Colin Brain, Thomas Randall, Ioan-Alexandru Bogatu, Ian Hart and Danial Shafique	UKAS
Configuration and Mode: CoTX - 2.4 GHz WLAN + Narrowband		
Radiated Spurious Emissions (Simultaneous Transmission)	Colin Brain, Thomas Randall, Ioan-Alexandru Bogatu, Ian Hart and Danial Shafique	UKAS

Table 4

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 5.5 and 6.2
ISED RSS-248, Clause 4.7
ISED RSS-GEN, Clause 8.9

2.1.2 Equipment Under Test and Modification State

A2686, S/N: XVFXG6M544 - Modification State 0

2.1.3 Date of Test

09-September-2022 to 01-November-2022

2.1.4 Test Method

CoTX - 2.4 GHz WLAN + Narrowband and CoTX - Bluetooth + 5 GHz WLAN

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

The EUT was placed on the non-conducting platform in a manner typical of a normal installation.

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 dBuV/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 dBµV/m/20).

At a measurement distance of 1 meter the limit line was increased by 20*LOG(3/1) = 9.54 dB.

CoTX - Bluetooth + 6 GHz WLAN

Testing was performed in accordance with KDB 987594 D02 and ANSI C63.10, clause 6.3, 6.5 and 6.6.

The EUT was placed on the non-conducting platform in a manner typical of a normal installation. 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 dBuV/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.

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10^(Field Strength in dBµV/m/20).

At a measurement distance of 1 meter the limit line was increased by 20*LOG(3/1) = 9.54 dB.

2.1.5 Test Setup Diagram

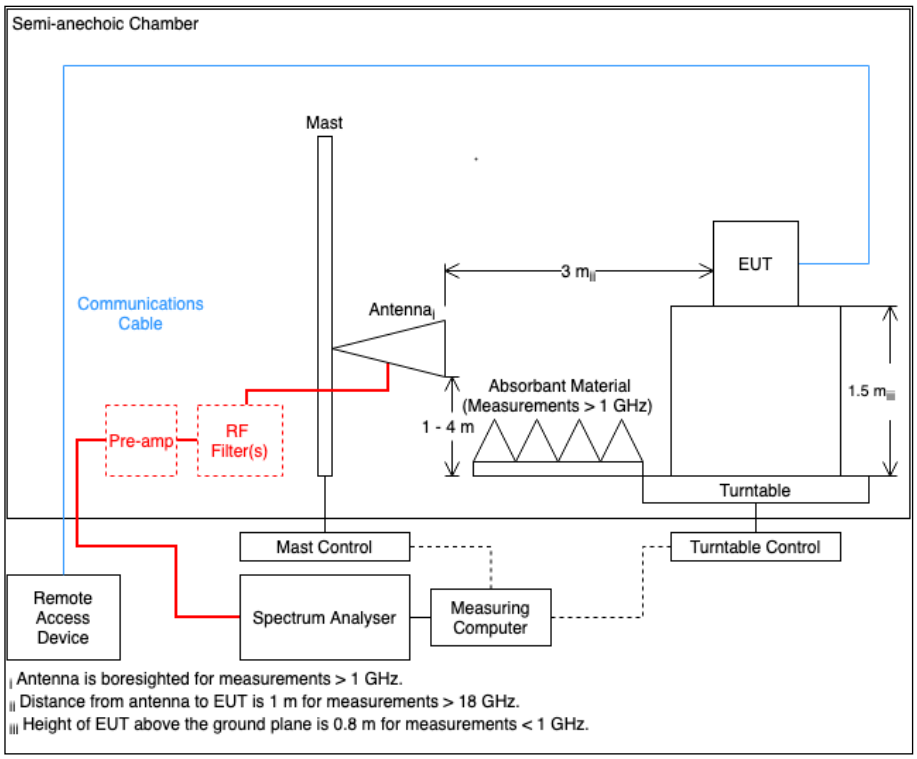

Figure 1

2.1.6 Environmental Conditions

Ambient Temperature	21.1 - 22.4 °C
Relative Humidity	40.5 - 52.9 %

2.1.7 Test Results

CoTX - Bluetooth + 5 GHz WLAN

Frequency (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
*							

Table 5 - U-NII-1 – 5200 MHz (CH40), VHT20, CDD, Core 0 + Core 1 and 2402 MHz (CH0), 2-DH5, ePA, Core 0, 30 MHz to 40 GHz

*No emissions found within 10 dB of the limit.

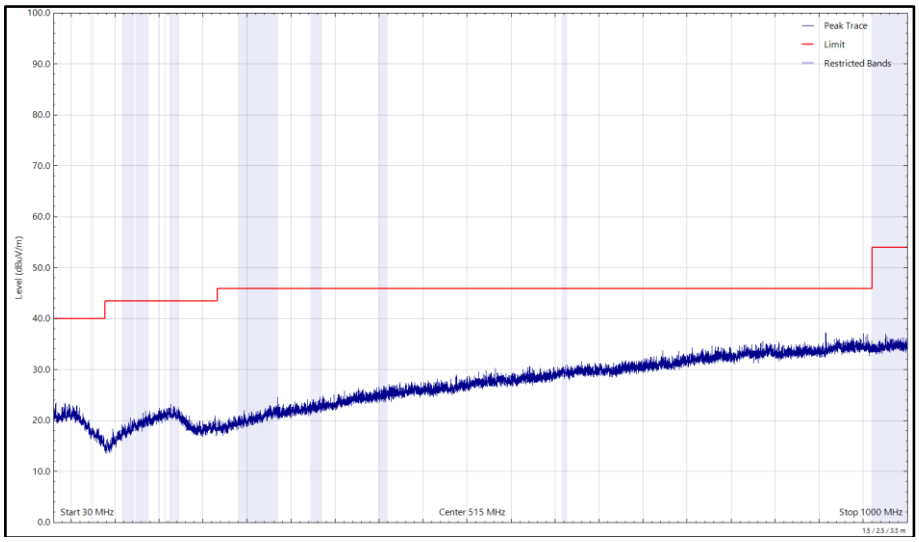

Figure 2 - U-NII-1 - 5200 MHz (CH40), VHT20, CDD, Core 0 + Core 1 and 2402 MHz (CH0), 2-DH5, ePA, Core 0, 30 MHz to 1 GHz, Horizontal (Peak)

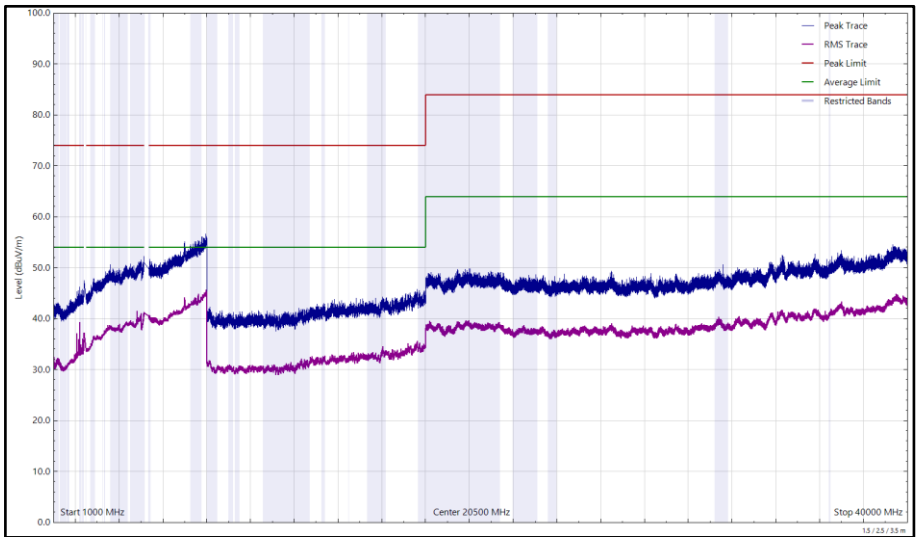

Figure 3 - U-NII-1 - 5200 MHz (CH40), VHT20, CDD, Core 0 + Core 1 and 2402 MHz (CH0), 2-DH5, ePA, Core 0, 1 GHz to 40 GHz, Horizontal

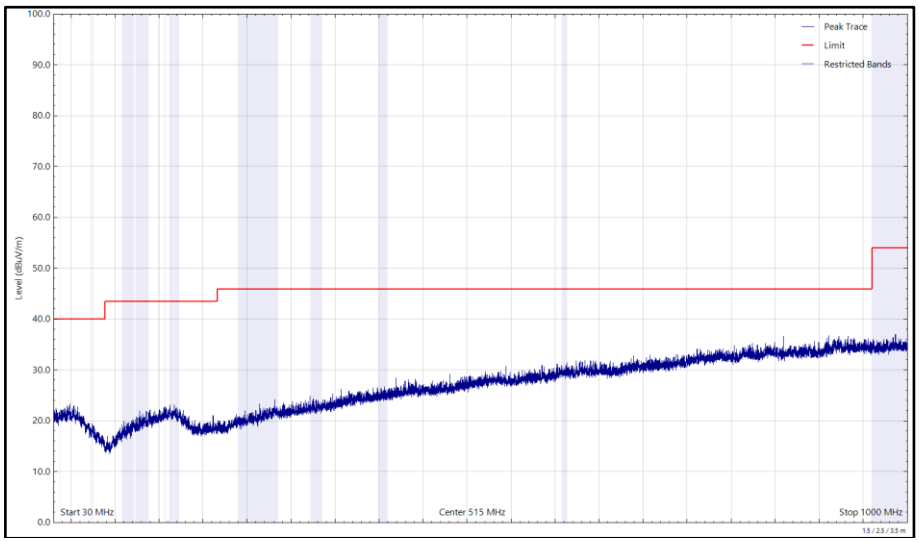

Figure 4 - U-NII-1 - 5200 MHz (CH40), VHT20, CDD, Core 0 + Core 1 and 2402 MHz (CH0), 2-DH5, ePA, Core 0, 30 MHz to 1 GHz, Vertical (Peak)

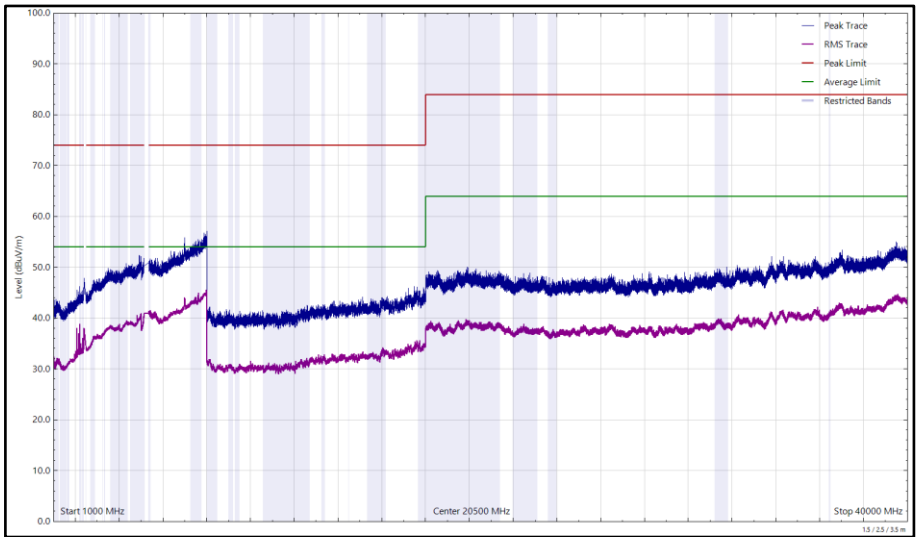

Figure 5 - U-NII-1 - 5200 MHz (CH40), VHT20, CDD, Core 0 + Core 1 and 2402 MHz (CH0), 2-DH5, ePA, Core 0, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
*							

Table 6 - U-NII-1 - 5200 MHz (CH40), VHT20, CDD, Core 0 + Core 1 and 2402 MHz (CH0), 2-DH5, ePA, Core 1, 30 MHz to 40 GHz

*No emissions found within 10 dB of the limit.

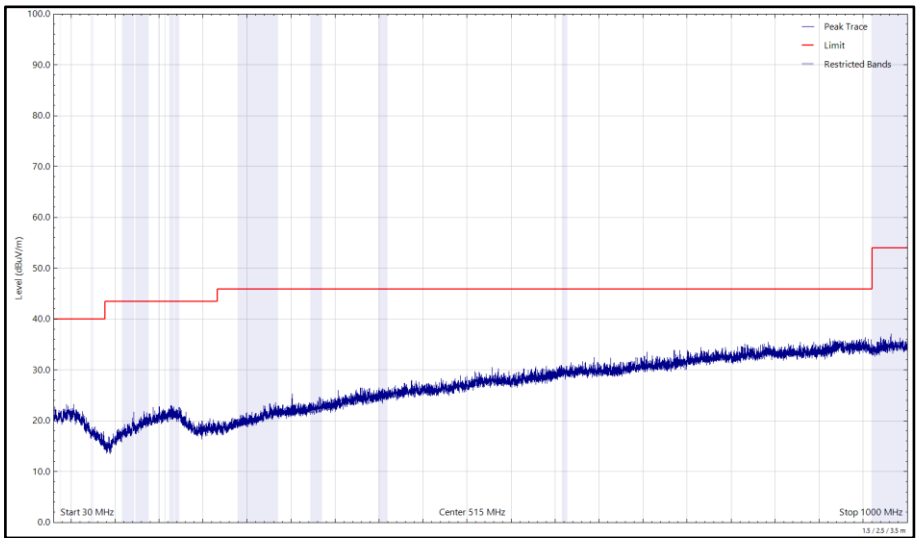

Figure 6 - U-NII-1 - 5200 MHz (CH40), VHT20, CDD, Core 0 + Core 1 and 2402 MHz (CH0), 2-DH5, ePA, Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

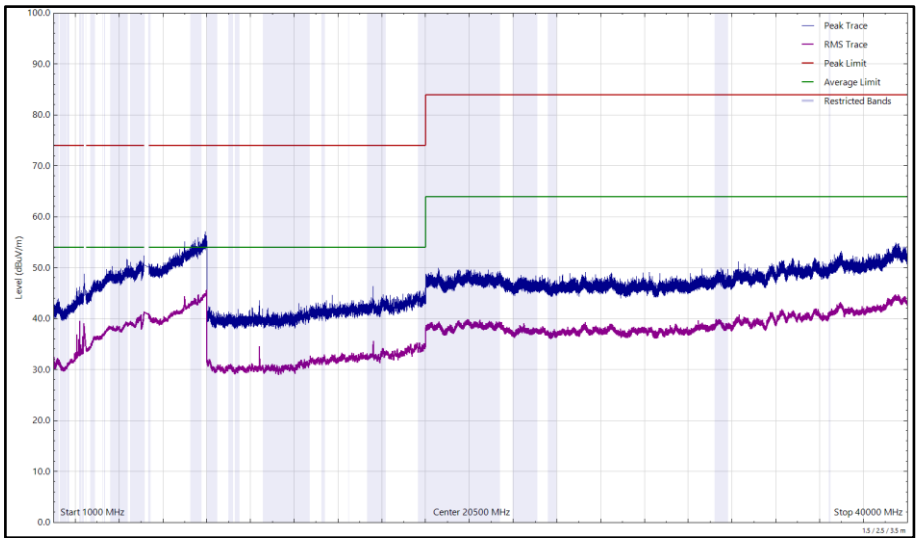

Figure 7 - U-NII-1 - 5200 MHz (CH40), VHT20, CDD, Core 0 + Core 1 and 2402 MHz (CH0), 2-DH5, ePA, Core 1, 1 GHz to 40 GHz, Horizontal

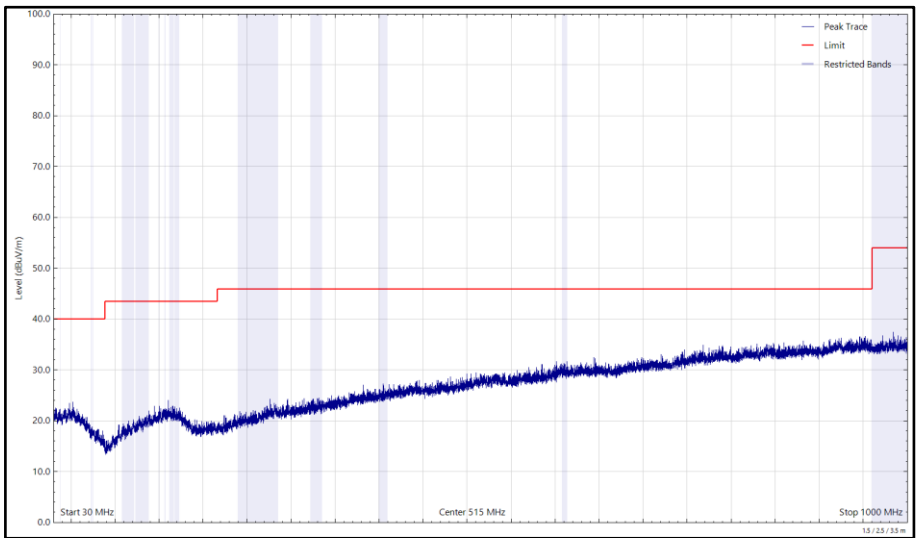

Figure 8 - U-NII-1 - 5200 MHz (CH40), VHT20, CDD, Core 0 + Core 1 and 2402 MHz (CH0), 2-DH5, ePA, Core 1, 30 MHz to 1 GHz, Vertical (Peak)

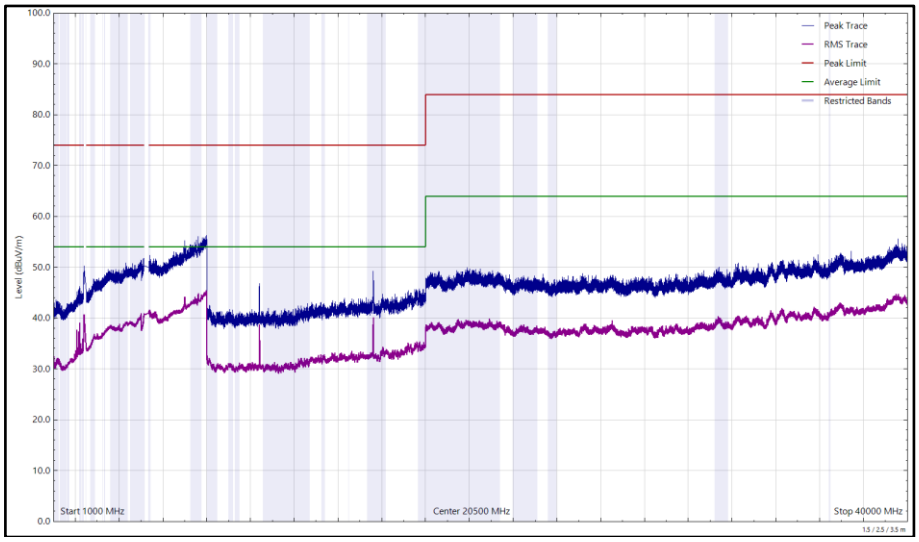

Figure 9 - U-NII-1 - 5200 MHz (CH40), VHT20, CDD, Core 0 + Core 1 and 2402 MHz (CH0), 2-DH5, ePA, Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
*							

Table 7 - U-NII-1 - 5200 MHz (CH40), VHT20, CDD, Core 0 + Core 1 and 2402 MHz (CH0), HDR4, ePA, Core 0 + Core 1, 30 MHz to 40 GHz

*No emissions found within 10 dB of the limit.

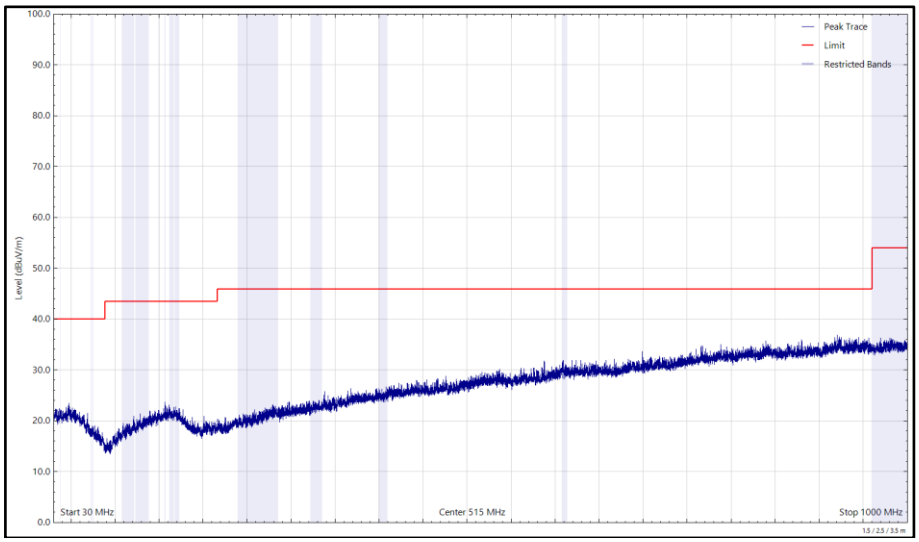

Figure 10 - U-NII-1 - 5200 MHz (CH40), VHT20, CDD, Core 0 + Core 1 and 2402 MHz (CH0), HDR4, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

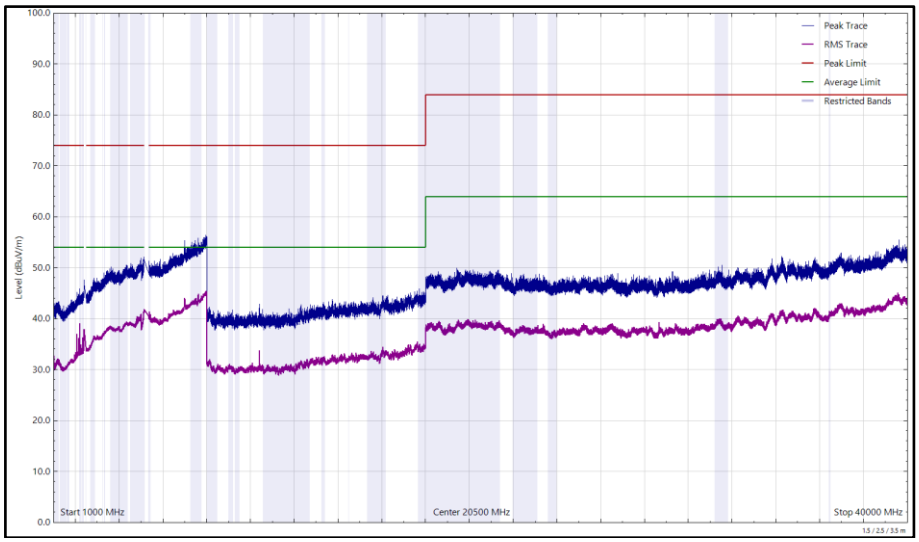

Figure 11 - U-NII-1 - 5200 MHz (CH40), VHT20, CDD, Core 0 + Core 1 and 2402 MHz (CH0), HDR4, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

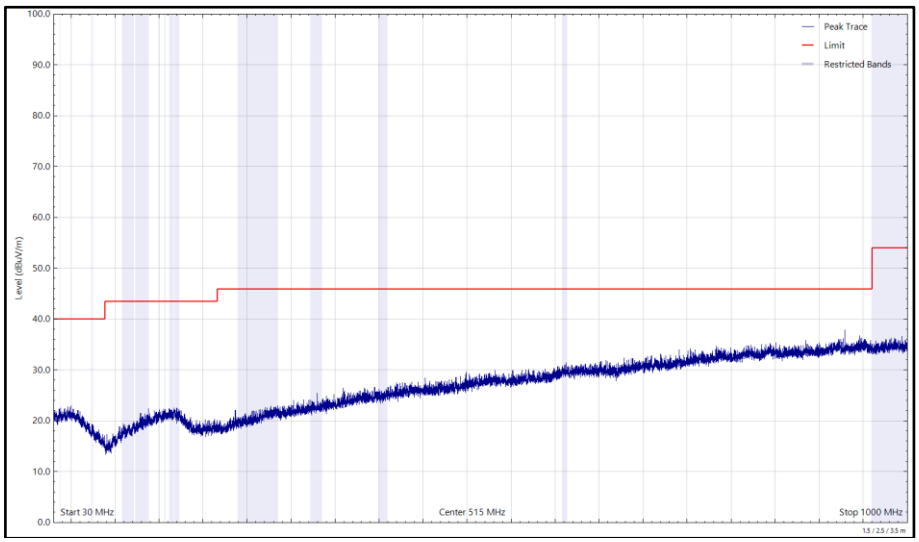

Figure 12 - U-NII-1 - 5200 MHz (CH40), VHT20, CDD, Core 0 + Core 1 and 2402 MHz (CH0), HDR4, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

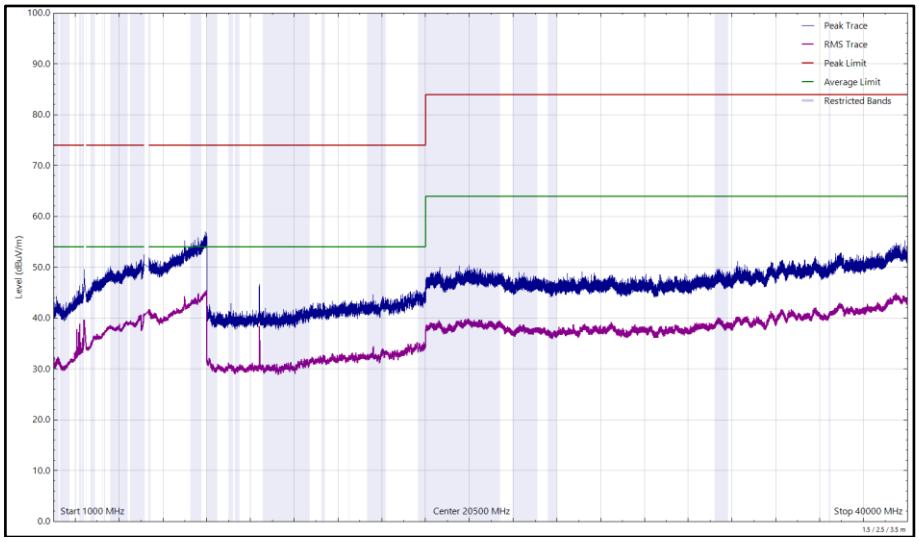

Figure 13 - U-NII-1 - 5200 MHz (CH40), VHT20, CDD, Core 0 + Core 1 and 2402 MHz (CH0), HDR4, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
*							

Table 8 - U-NII-2C - 5680 MHz (CH136), VHT20, CDD, Core 0 + Core 1 and 2402 MHz (CH0), 2-DH5, ePA, Core 0, 30 MHz to 40 GHz

*No emissions found within 10 dB of the limit.

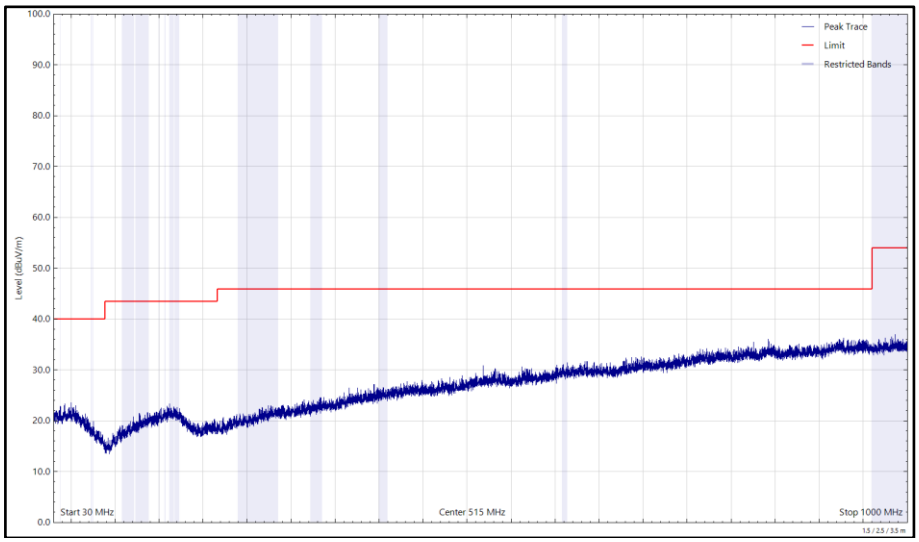

Figure 14 - U-NII-2C - 5680 MHz (CH136), VHT20, CDD, Core 0 + Core 1 and 2402 MHz (CH0), 2-DH5, ePA, Core 0, 30 MHz to 1 GHz, Horizontal (Peak)

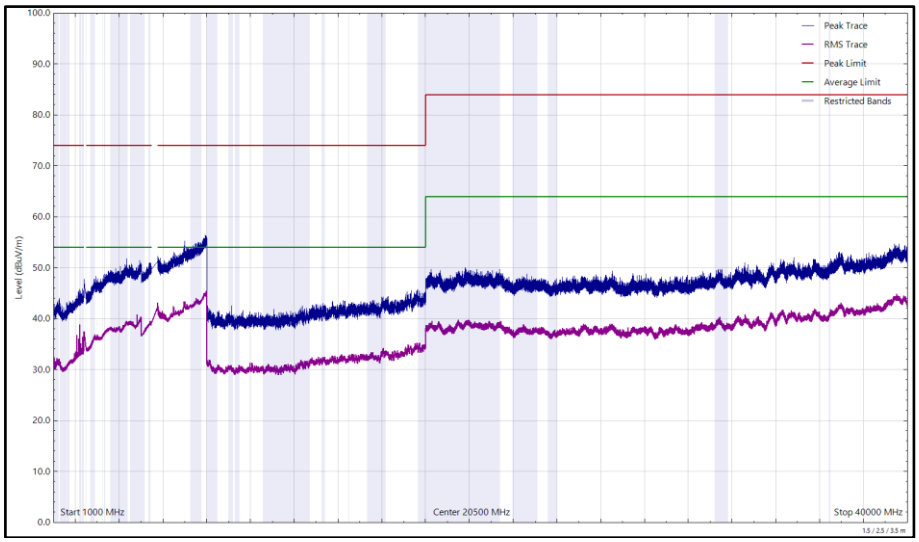

Figure 15 - U-NII-2C - 5680 MHz (CH136), VHT20, CDD, Core 0 + Core 1 and 2402 MHz (CH0), 2-DH5, ePA, Core 0, 1 GHz to 40 GHz, Horizontal

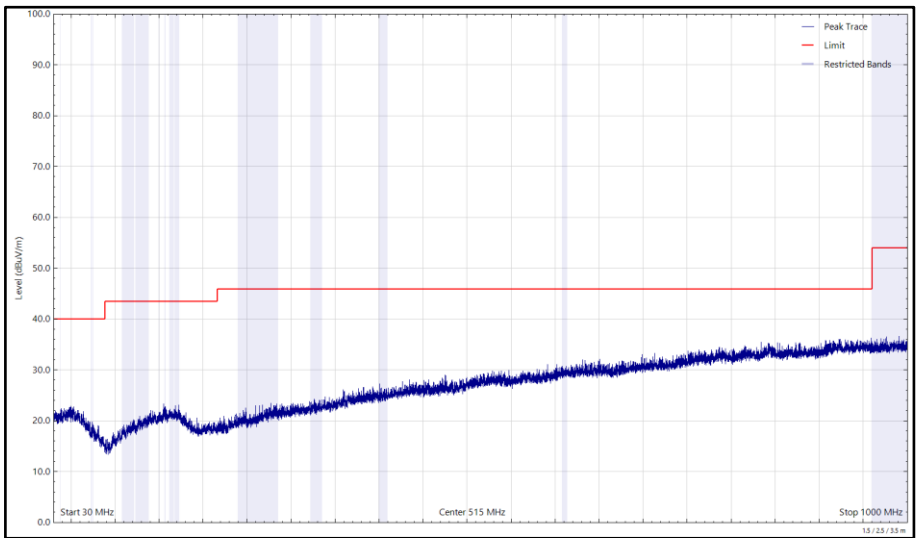

Figure 16 - U-NII-2C - 5680 MHz (CH136), VHT20, CDD, Core 0 + Core 1 and 2402 MHz (CH0), 2-DH5, ePA, Core 0, 30 MHz to 1 GHz, Vertical (Peak)

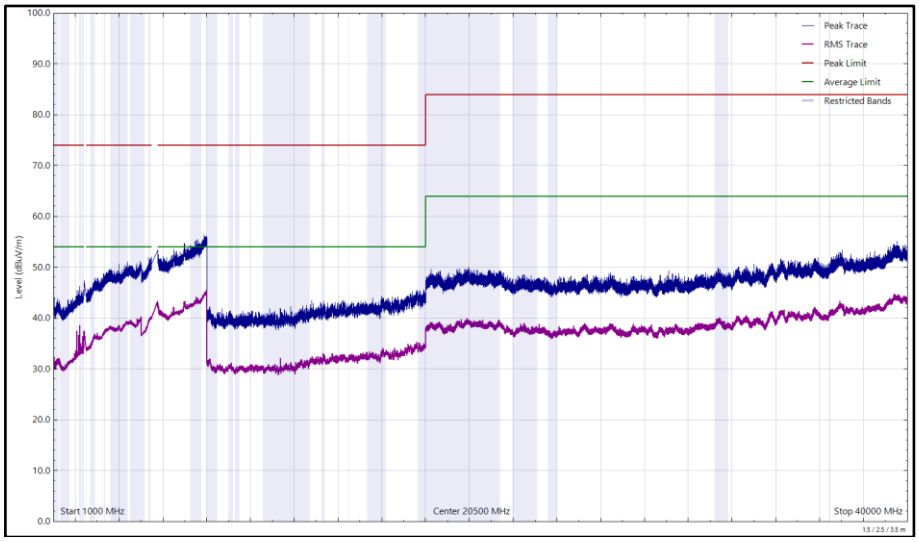

Figure 17 - U-NII-2C - 5680 MHz (CH136), VHT20, CDD, Core 0 + Core 1 and 2402 MHz (CH0), 2-DH5, ePA, Core 0, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
*							

Table 9 - U-NII-2C - 5680 MHz (CH136), VHT20, CDD, Core 0 + Core 1 and 2402 MHz (CH0), 2-DH5, ePA, Core 1, 30 MHz to 40 GHz

*No emissions found within 10 dB of the limit.

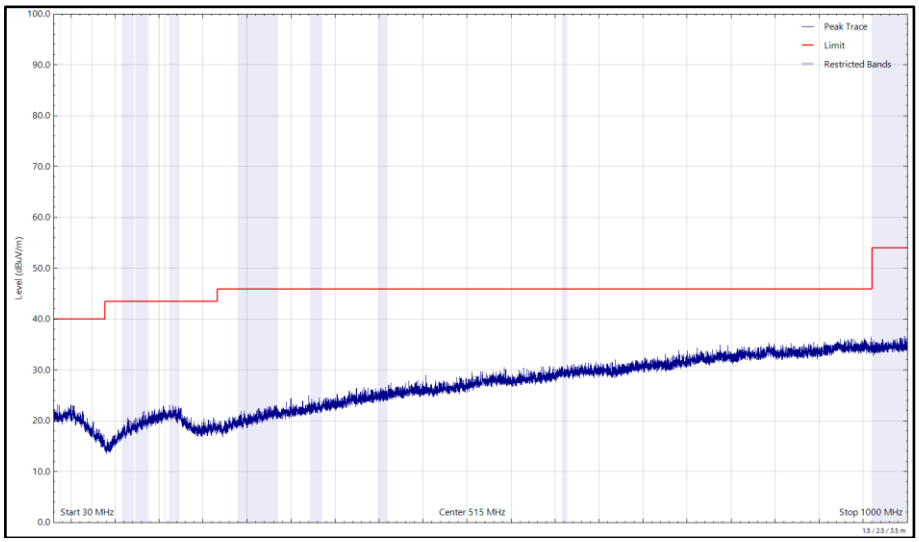

Figure 18 - U-NII-2C - 5680 MHz (CH136), VHT20, CDD, Core 0 + Core 1 and 2402 MHz (CH0), 2-DH5, ePA, Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

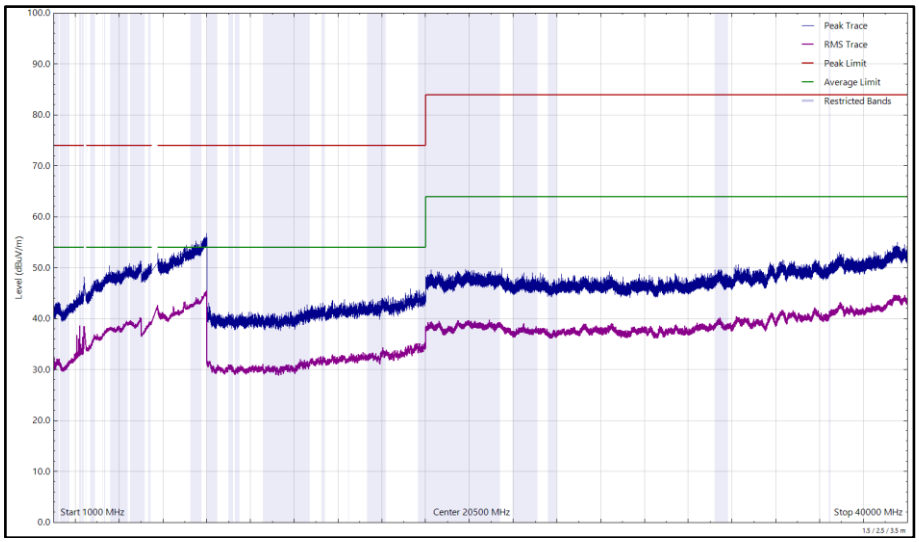

Figure 19 - U-NII-2C - 5680 MHz (CH136), VHT20, CDD, Core 0 + Core 1 and 2402 MHz (CH0), 2-DH5, ePA, Core 1, 1 GHz to 40 GHz, Horizontal

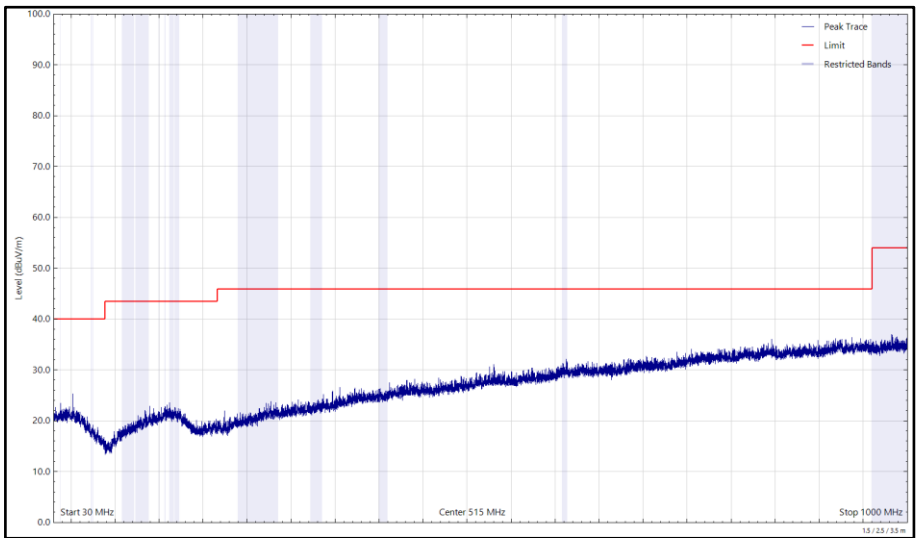

Figure 20 - U-NII-2C - 5680 MHz (CH136), VHT20, CDD, Core 0 + Core 1 and 2402 MHz (CH0), 2-DH5, ePA, Core 1, 30 MHz to 1 GHz, Vertical (Peak)

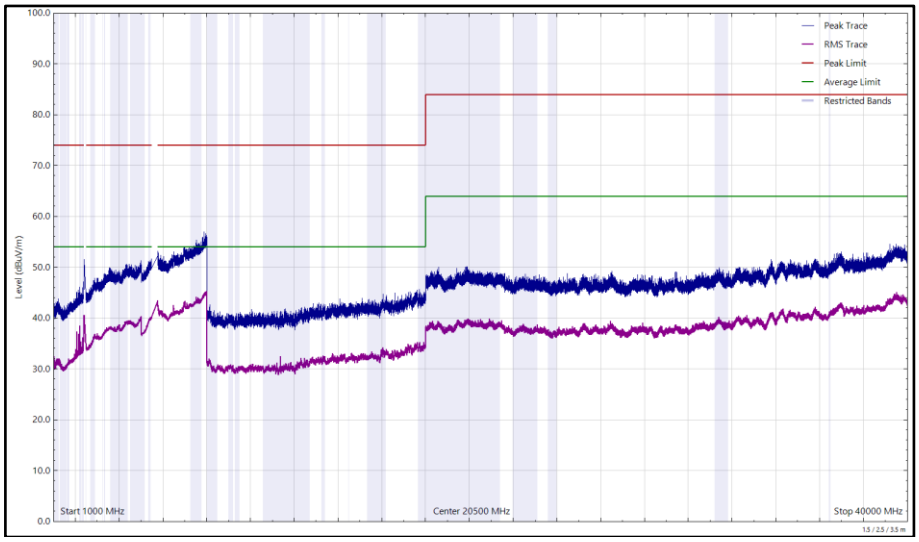

Figure 21 - U-NII-2C - 5680 MHz (CH136), VHT20, CDD, Core 0 + Core 1 and 2402 MHz (CH0), 2-DH5, ePA, Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
*							

Table 10 - U-NII-2C - 5680 MHz (CH136), VHT20, CDD, Core 0 + Core 1 and 2402 MHz (CH0), HDR4, ePA, Core 0 + Core 1, 30 MHz to 40 GHz

*No emissions found within 10 dB of the limit.

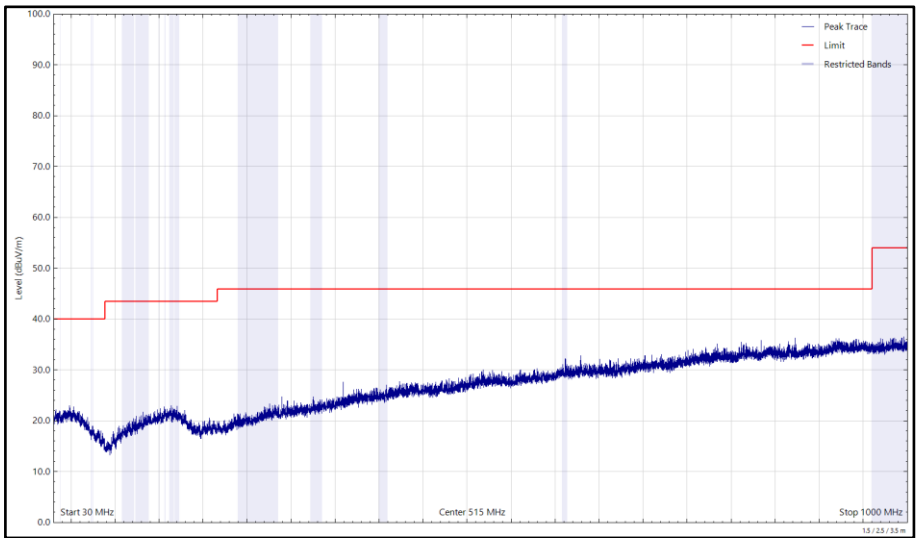

Figure 22 - U-NII-2C - 5680 MHz (CH136), VHT20, CDD, Core 0 + Core 1 and 2402 MHz (CH0), HDR4, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

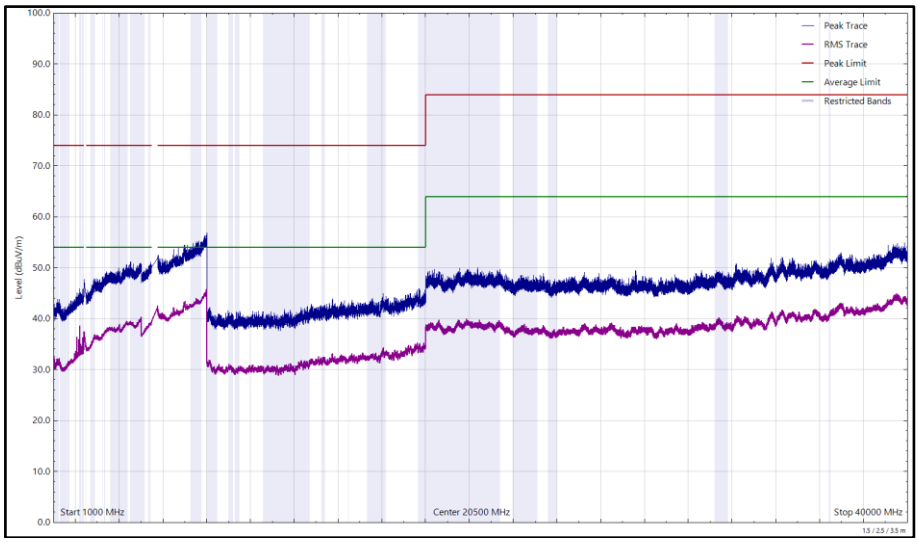

Figure 23 - U-NII-2C - 5680 MHz (CH136), VHT20, CDD, Core 0 + Core 1 and 2402 MHz (CH0), HDR4, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

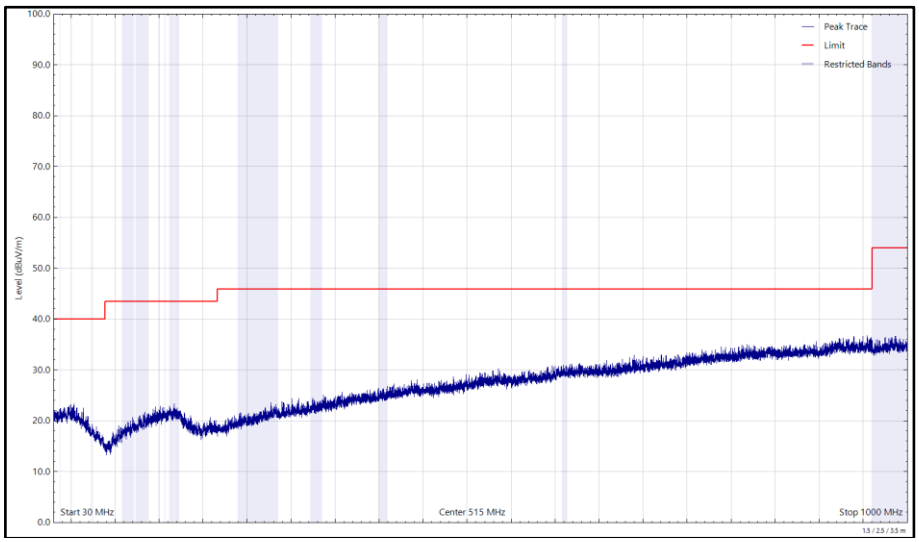

Figure 24 - U-NII-2C - 5680 MHz (CH136), VHT20, CDD, Core 0 + Core 1 and 2402 MHz (CH0), HDR4, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

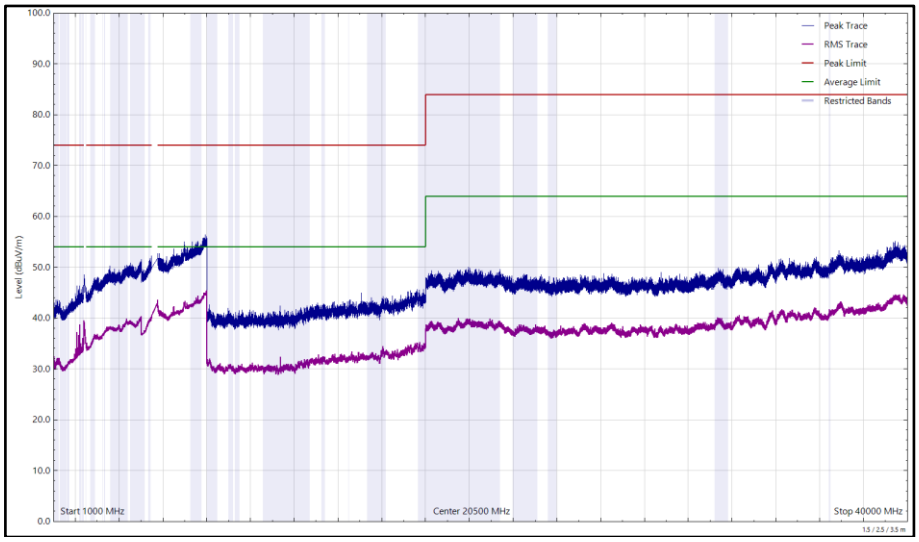

Figure 25 - U-NII-2C - 5680 MHz (CH136), VHT20, CDD, Core 0 + Core 1 and 2402 MHz (CH0), HDR4, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
*							

Table 11 - U-NII-1 - 5200 MHz (CH40), VHT20, CDD, Core 0 + Core 1 and 2402 MHz (CH0), 2-DH5, ePA, Core 0 + Core 1, 30 MHz to 40 GHz

*No emissions found within 10 dB of the limit.

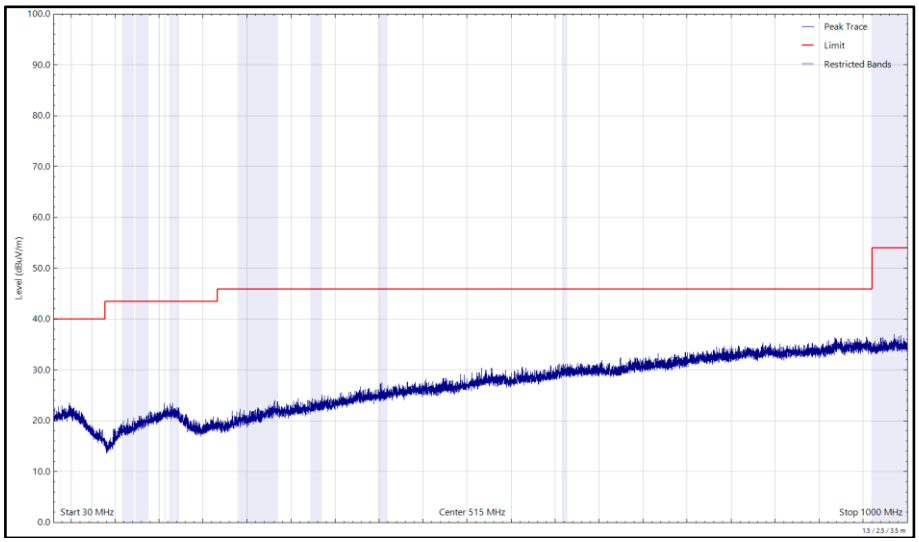

Figure 26 - U-NII-1 - 5200 MHz (CH40), VHT20, CDD, Core 0 + Core 1 and 2402 MHz (CH0), 2-DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

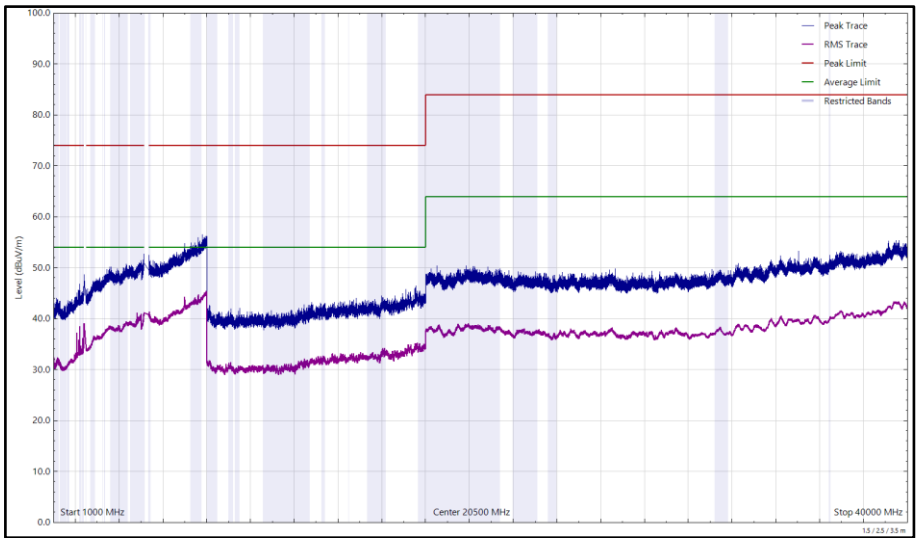

Figure 27 - U-NII-1 - 5200 MHz (CH40), VHT20, CDD, Core 0 + Core 1 and 2402 MHz (CH0), 2-DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

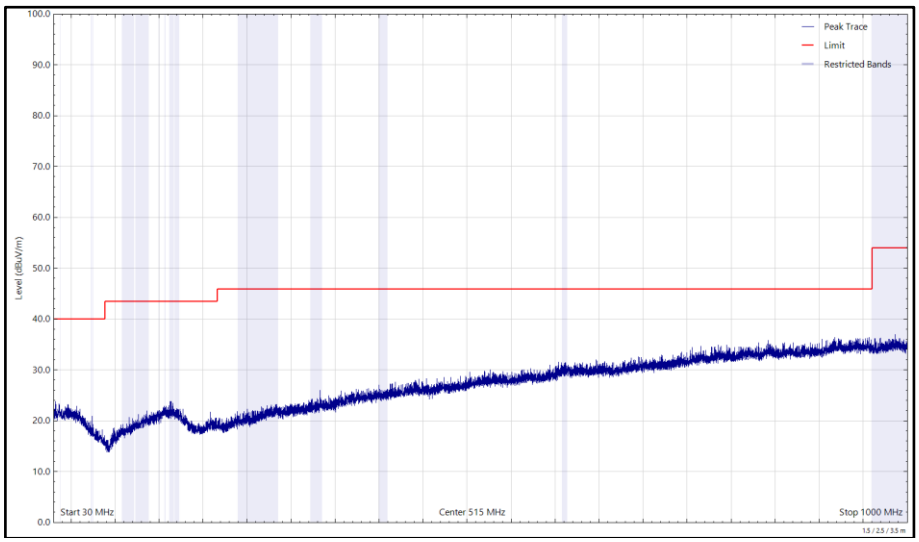

Figure 28 - U-NII-1 - 5200 MHz (CH40), VHT20, CDD, Core 0 + Core 1 and 2402 MHz (CH0), 2-DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

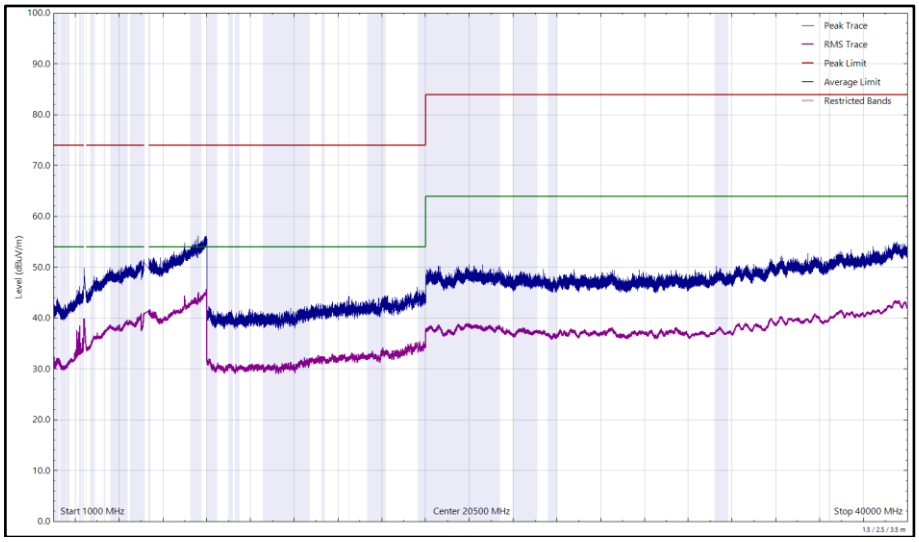

Figure 29 - U-NII-1 - 5200 MHz (CH40), VHT20, CDD, Core 0 + Core 1 and 2402 MHz (CH0), 2-DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
*							

Table 12 - U-NII-2C - 5680 MHz (CH136), VHT20, CDD, Core 0 + Core 1 and 2480 MHz (CH78), 2-DH5, ePA, Core 0 + Core 1, 30 MHz to 40 GHz

*No emissions found within 10 dB of the limit.

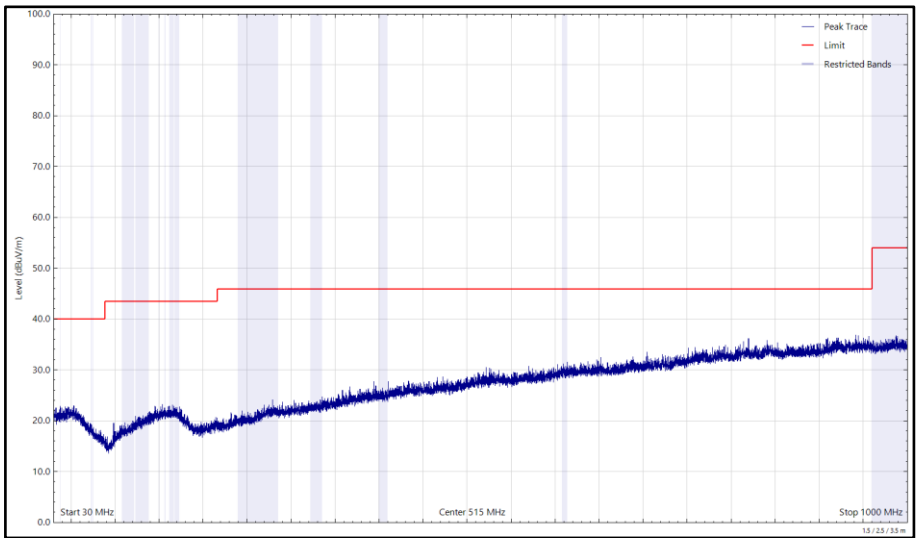

Figure 30 - U-NII-2C - 5680 MHz (CH136), VHT20, CDD, Core 0 + Core 1 and 2480 MHz (CH78), 2-DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

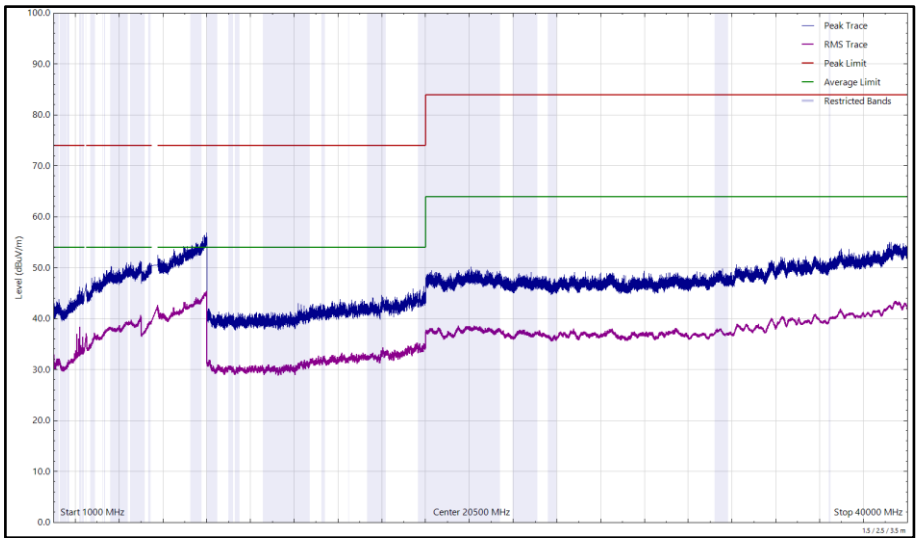

Figure 31 - U-NII-2C - 5680 MHz (CH136), VHT20, CDD, Core 0 + Core 1 and 2480 MHz (CH78), 2-DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

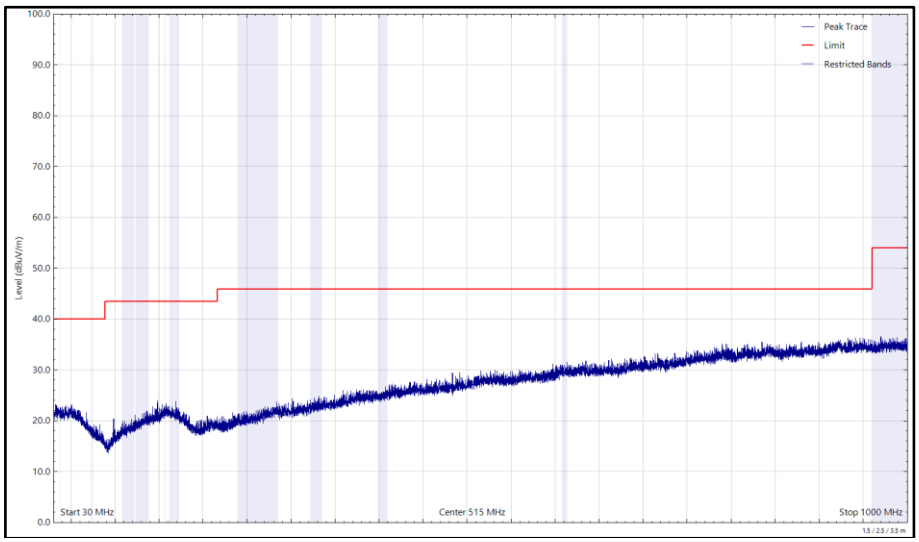

Figure 32 - U-NII-2C - 5680 MHz (CH136), VHT20, CDD, Core 0 + Core 1 and 2480 MHz (CH78), 2-DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

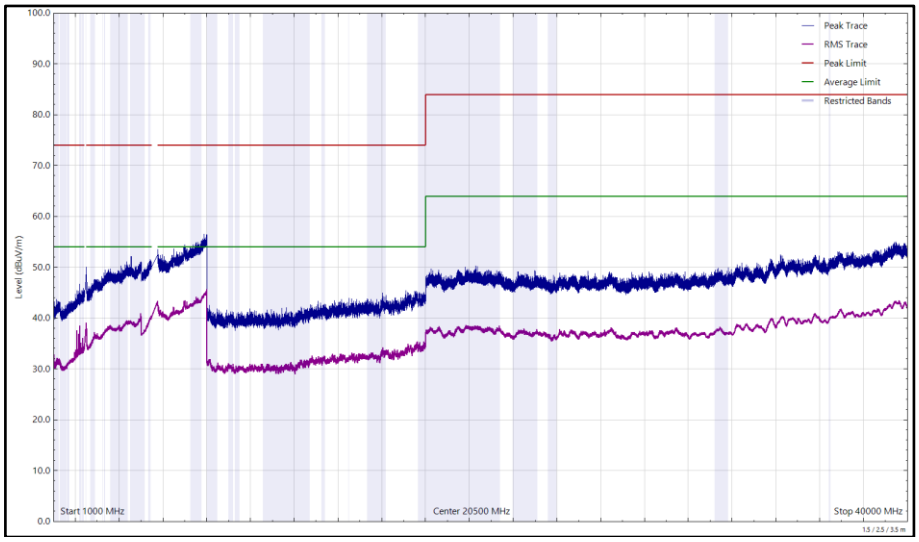

Figure 33 - U-NII-2C - 5680 MHz (CH136), VHT20, CDD, Core 0 + Core 1 and 2480 MHz (CH78), 2-DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
*							

Table 13 - U-NII-1 - 5200 MHz (CH40), VHT20, CDD, Core 0 + Core 1 and 2480 MHz (CH78), 2-DH5, ePA, Core 0 + Core 1, 30 MHz to 40 GHz

*No emissions found within 10 dB of the limit.

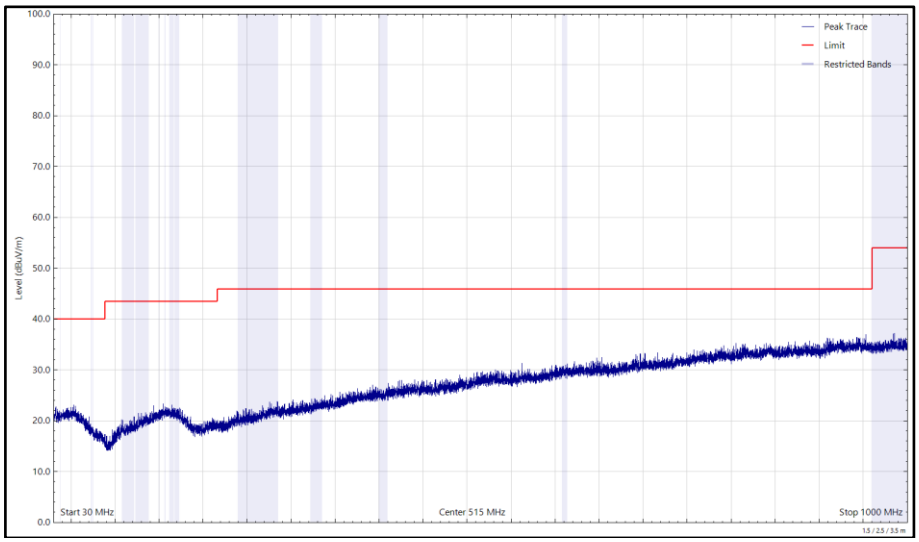

Figure 34 - U-NII-1 - 5200 MHz (CH40), VHT20, CDD, Core 0 + Core 1 and 2480 MHz (CH78), 2-DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

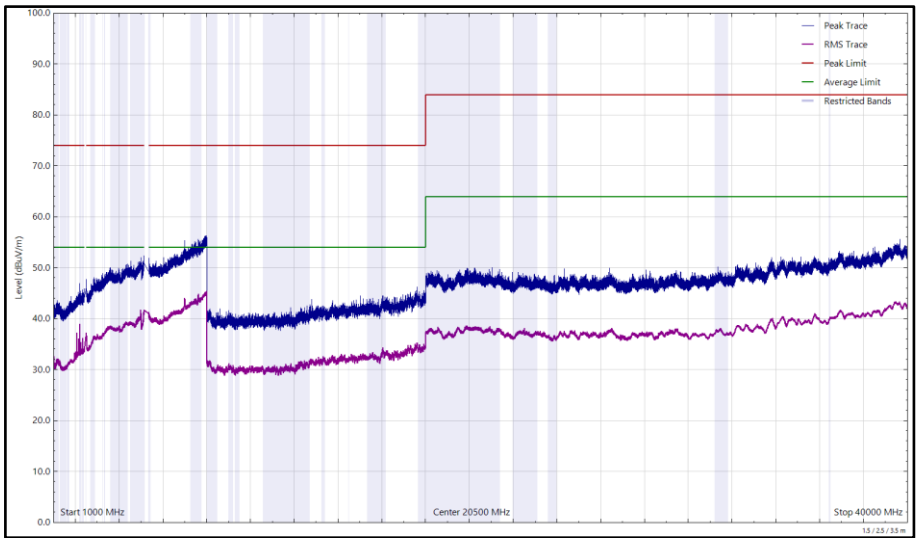

Figure 35 - U-NII-1 - 5200 MHz (CH40), VHT20, CDD, Core 0 + Core 1 and 2480 MHz (CH78), 2-DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

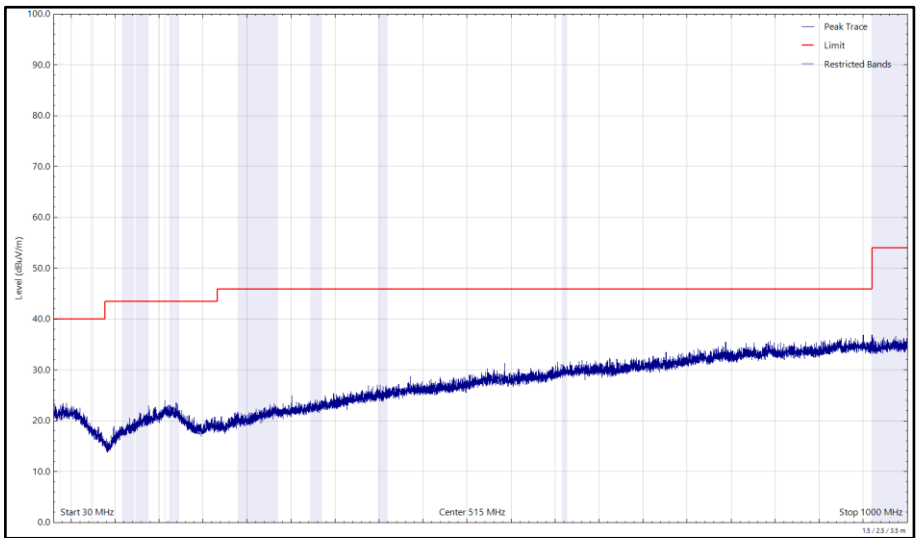

Figure 36 - U-NII-1 - 5200 MHz (CH40), VHT20, CDD, Core 0 + Core 1 and 2480 MHz (CH78), 2-DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

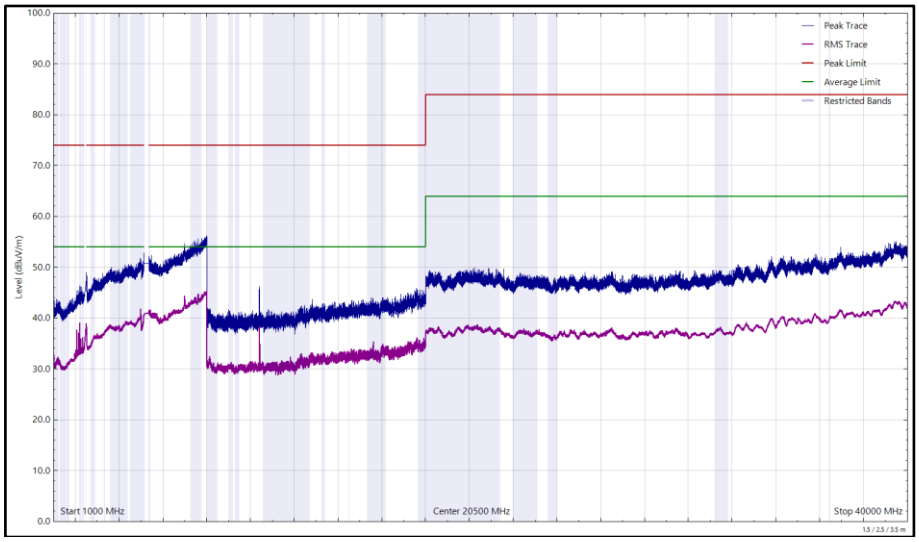

Figure 37 - U-NII-1 - 5200 MHz (CH40), VHT20, CDD, Core 0 + Core 1 and 2480 MHz (CH78), 2-DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
*							

Table 14 - U-NII-2C - 5680 MHz (CH136), VHT20, CDD, Core 0 + Core 1 and 2402 MHz (CH0), 2-DH5, ePA, Core 0 + Core 1, 30 MHz to 40 GHz

*No emissions found within 10 dB of the limit.

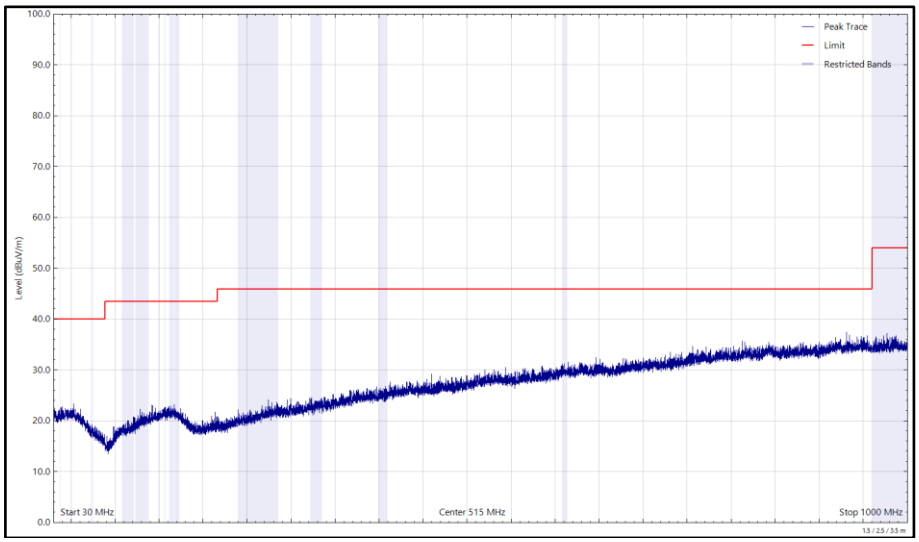

Figure 38 - U-NII-2C - 5680 MHz (CH136), VHT20, CDD, Core 0 + Core 1 and 2402 MHz (CH0), 2-DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

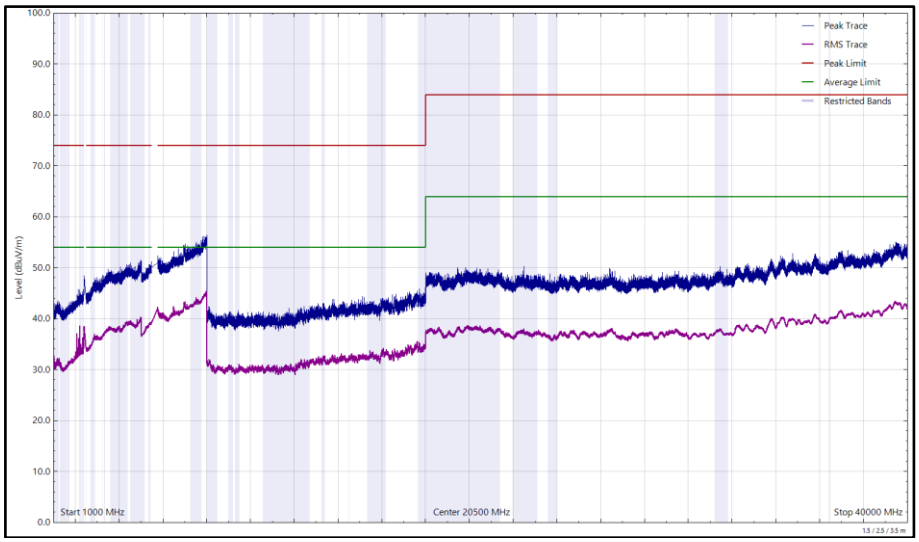

Figure 39 - U-NII-2C - 5680 MHz (CH136), VHT20, CDD, Core 0 + Core 1 and 2402 MHz (CH0), 2-DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

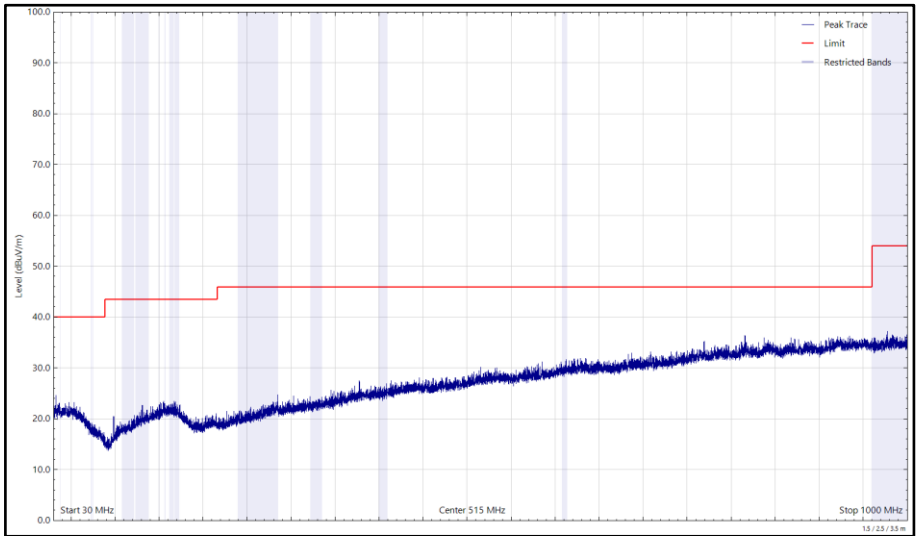

Figure 40 - U-NII-2C - 5680 MHz (CH136), VHT20, CDD, Core 0 + Core 1 and 2402 MHz (CH0), 2-DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

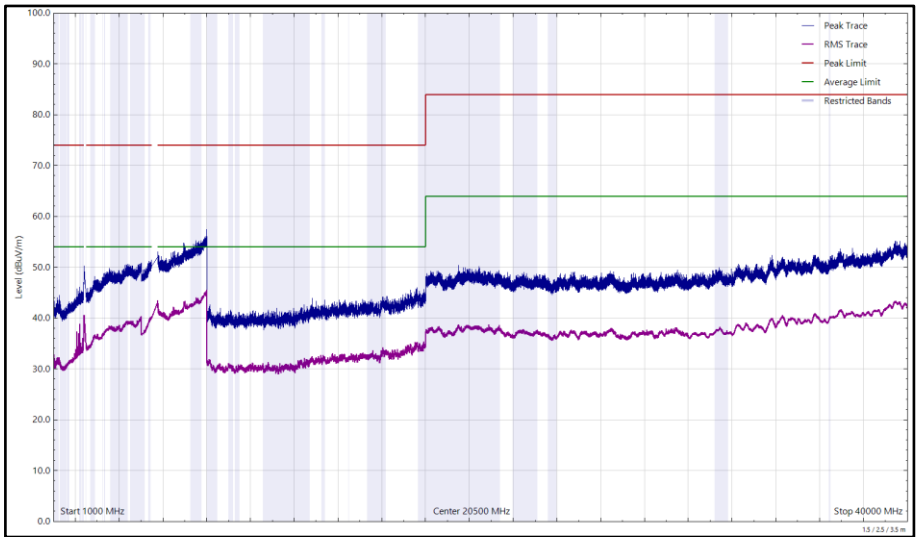

Figure 41 - U-NII-2C - 5680 MHz (CH136), VHT20, CDD, Core 0 + Core 1 and 2402 MHz (CH0), 2-DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

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 5.5	-20 dBc
Part 15.407 (b) / RSS-247 Clause 6.2	-27 dBm (EIRP) / 68 dBµV/m at 3m.
Part 15.209 / RSS-GEN Clause 8.9	Peak: 74 dBµV/m at 3m, Average 54 dBµV/m at 3m

Table 15

CoTX - Bluetooth + 6 GHz WLAN

Frequency (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
7206.415	54.20	74.00	-19.80	Peak	75	124	Horizontal

Table 16 - U-NII-5 – 5955 MHz (CH1), HE20, SU, CDD, Core 0 + Core 1 and 2402 MHz (CH0), 2-DH5, ePA, Core 0 + Core 1, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

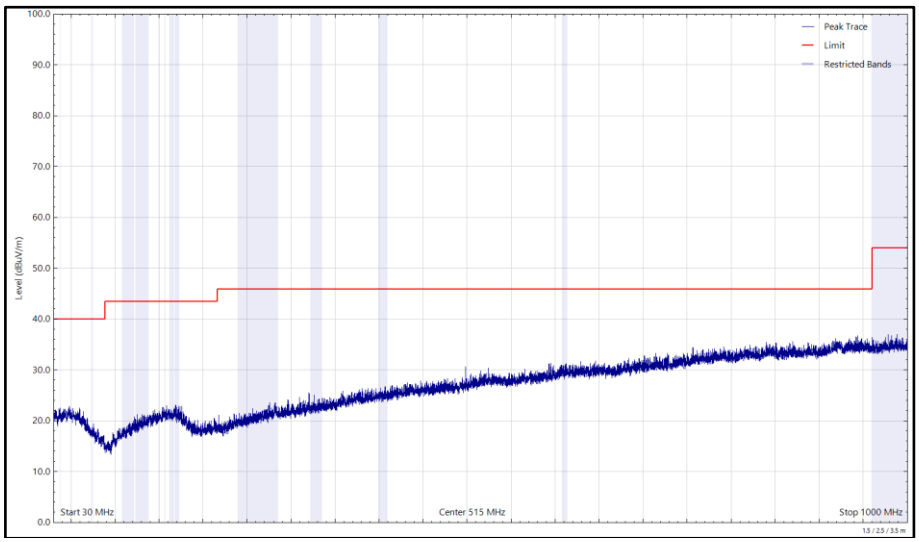

Figure 42 - U-NII-5 – 5955 MHz (CH1), HE20, SU, CDD, Core 0 + Core 1 and 2402 MHz (CH0), 2-DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

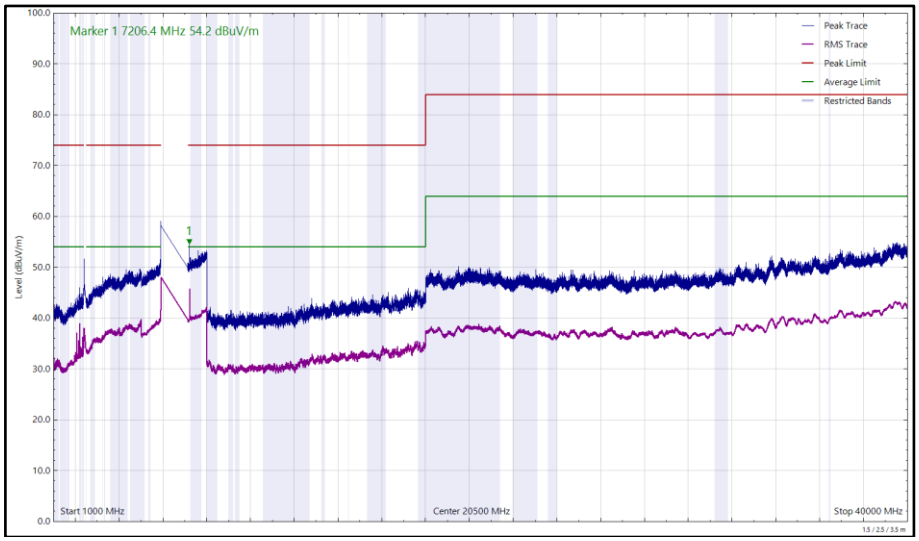

Figure 43 - U-NII-5 – 5955 MHz (CH1), HE20, SU, CDD, Core 0 + Core 1 and 2402 MHz (CH0), 2-DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal