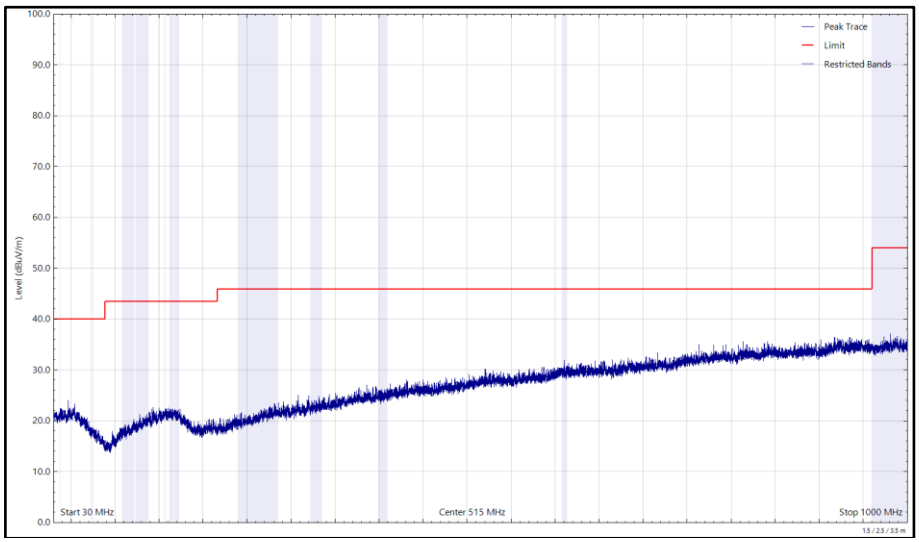

Figure 44 - U-NII-5 – 5955 MHz (CH1), HE20, SU, CDD, Core 0 + Core 1 and 2402 MHz (CH0), 2-DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

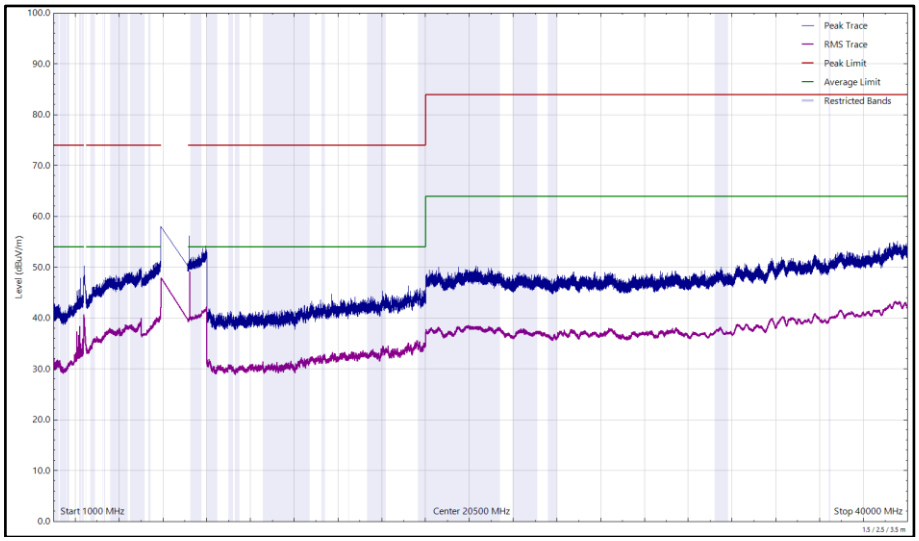

Figure 45 - U-NII-5 - 5955 MHz (CH1), HE20, SU, CDD, Core 0 + Core 1 and 2402 MHz (CH0), 2-DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
7439.459	47.70	54.00	-6.30	RMS	10	100	Vertical
7439.849	55.71	74.00	-18.29	Peak	84	107	Horizontal
7439.849	42.71	54.00	-11.29	RMS*	84	107	Horizontal
7440.739	58.11	74.00	-15.89	Peak	9	240	Vertical

Table 17 - U-NII-8 – 7115 MHz (CH233), HE20, SU, CDD, Core 0 + Core 1 and 2480 MHz (CH78), 2-DH5, ePA, Core 0 + Core 1, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

*This average value was calculated from the Peak based on KDB 558074 section 9.b) and guidance from ANSI C63.10: 2020 section 7.8.8.2 accounting for protocol-limited duty cycle, channel separation and bandwidth.

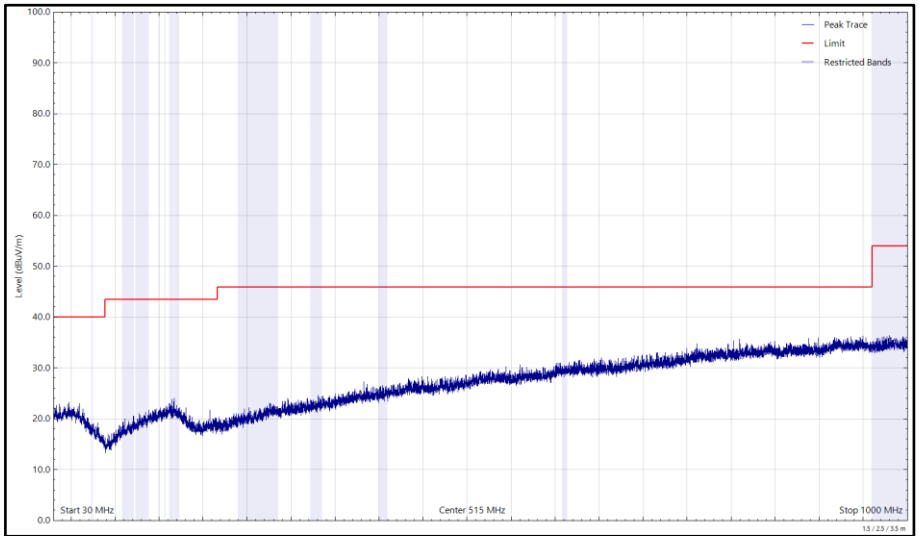

Figure 46 - U-NII-8 – 7115 MHz (CH233), HE20, SU, CDD, Core 0 + Core 1 and 2480 MHz (CH78), 2-DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

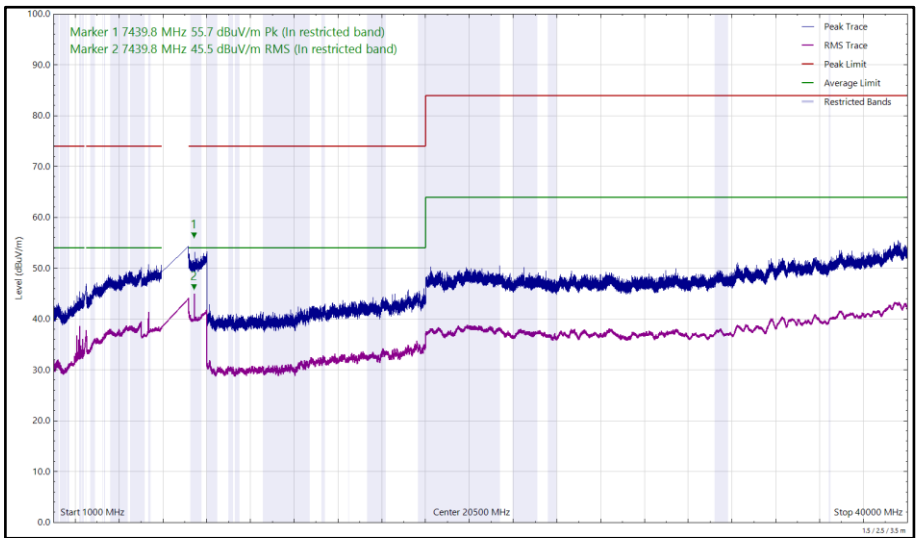

Figure 47 - U-NII-8 – 7115 MHz (CH233), HE20, SU, CDD, Core 0 + Core 1 and 2480 MHz (CH78), 2-DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

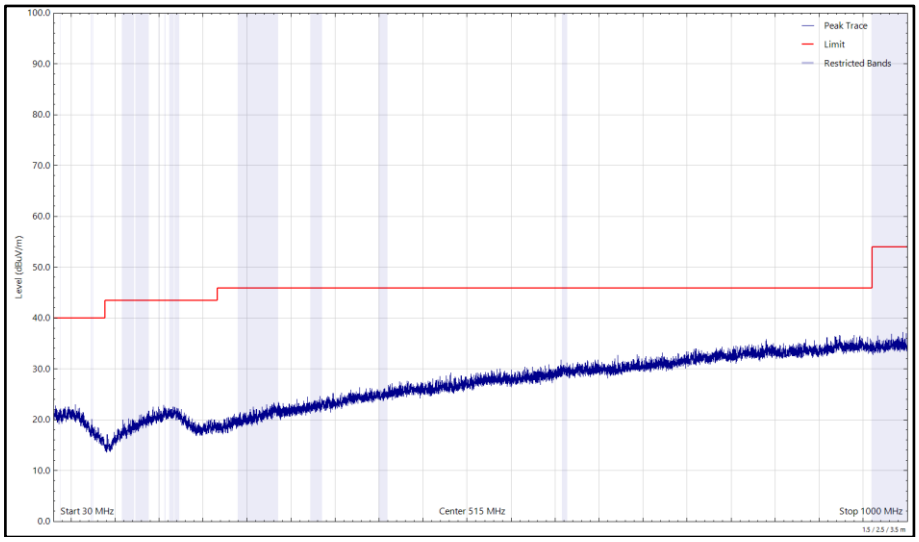

Figure 48 - U-NII-8 - 7115 MHz (CH233), HE20, SU, CDD, Core 0 + Core 1 and 2480 MHz (CH78), 2-DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

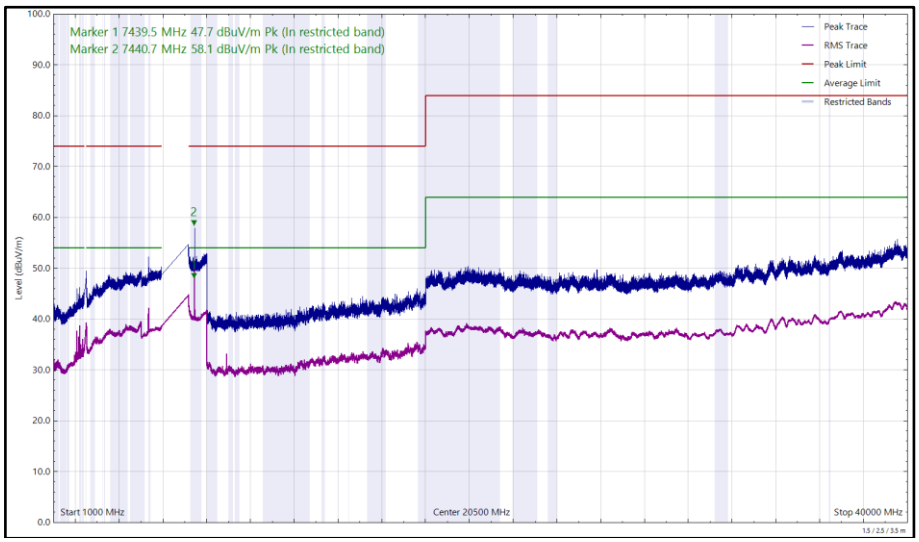

Figure 49 - U-NII-8 - 7115 MHz (CH233), HE20, SU, CDD, Core 0 + Core 1 and 2480 MHz (CH78), 2-DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
7433.693	56.71	74.00	-17.29	Peak	21	113	Horizontal
7433.902	45.58	54.00	-8.42	RMS	85	108	Horizontal
7434.234	43.26	54.00	-10.74	RMS*	47	106	Vertical
7434.234	56.26	74.00	-17.74	Peak	33	128	Vertical

Table 18 - U-NII-5 - 5955 MHz (CH1), HE20, SU, CDD, Core 0 + Core 1 and 2480 MHz (CH78), 2-DH5, ePA, Core 0 + Core 1, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

*This average value was calculated from the Peak based on KDB 558074 section 9.b) and guidance from ANSI C63.10: 2020 section 7.8.8.2 accounting for protocol-limited duty cycle, channel separation and bandwidth.

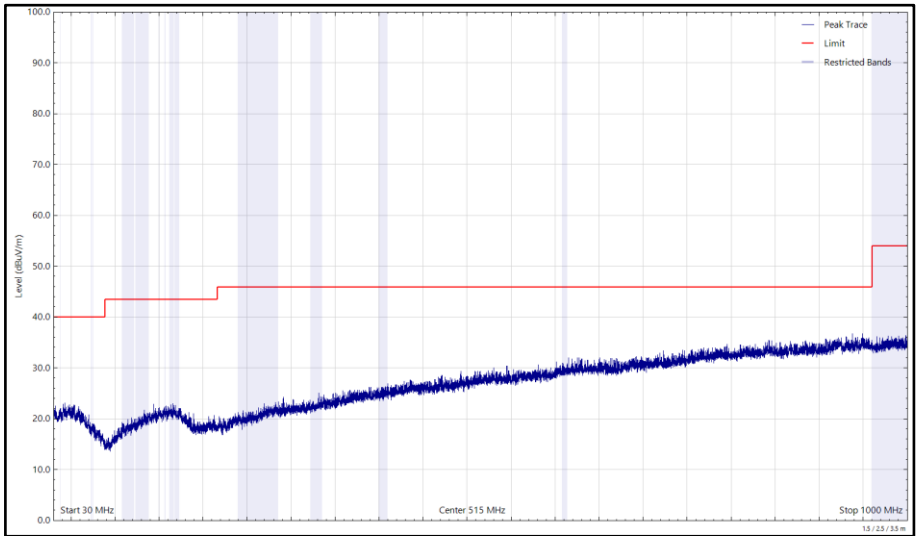

Figure 50 - U-NII-5 – 5955 MHz (CH1), HE20, SU, CDD, Core 0 + Core 1 and 2480 MHz (CH78), 2-DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

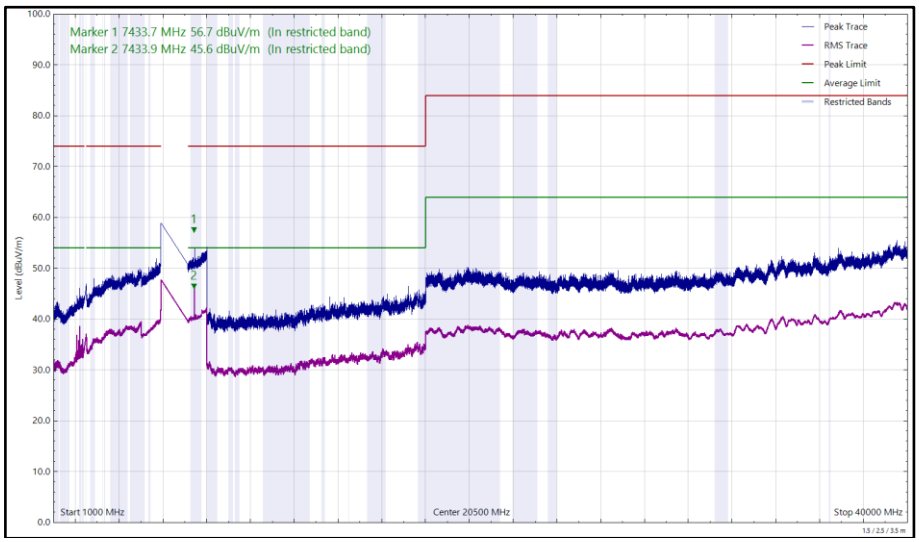

Figure 51 - U-NII-5 - 5955 MHz (CH1), HE20, SU, CDD, Core 0 + Core 1 and 2480 MHz (CH78), 2-DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

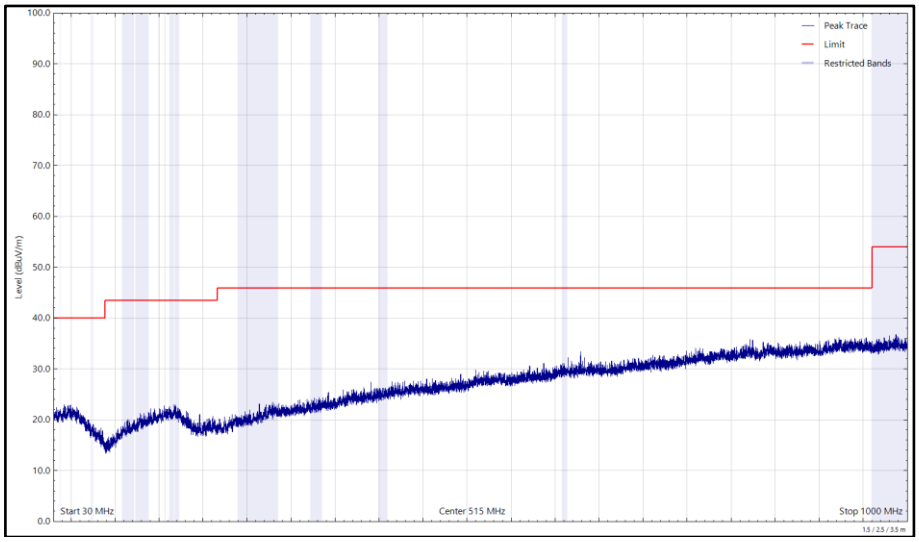

Figure 52 - U-NII-5 - 5955 MHz (CH1), HE20, SU, CDD, Core 0 + Core 1 and 2480 MHz (CH78), 2-DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

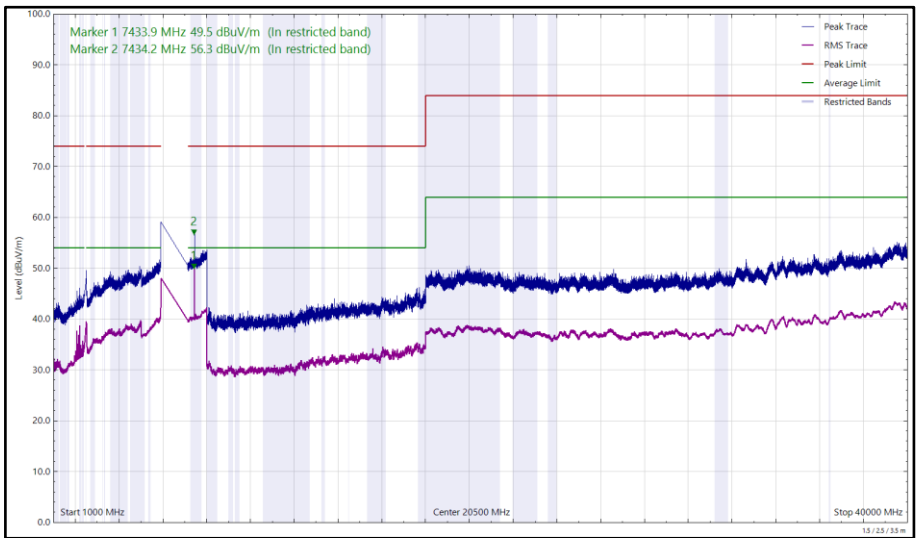

Figure 53 - U-NII-5 - 5955 MHz (CH1), HE20, SU, CDD, Core 0 + Core 1 and 2480 MHz (CH78), 2-DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
7205.406	55.71	74.00	-18.29	Peak	69	100	Horizontal
7206.147	45.88	54.00	-8.12	RMS	15	210	Vertical
7206.147	58.17	74.00	-15.83	Peak	15	210	Vertical
7206.634	40.94	54.00	-13.06	CISPR Avg	67	138	Horizontal

Table 19 - U-NII-8 – 7115 MHz (CH233), 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.

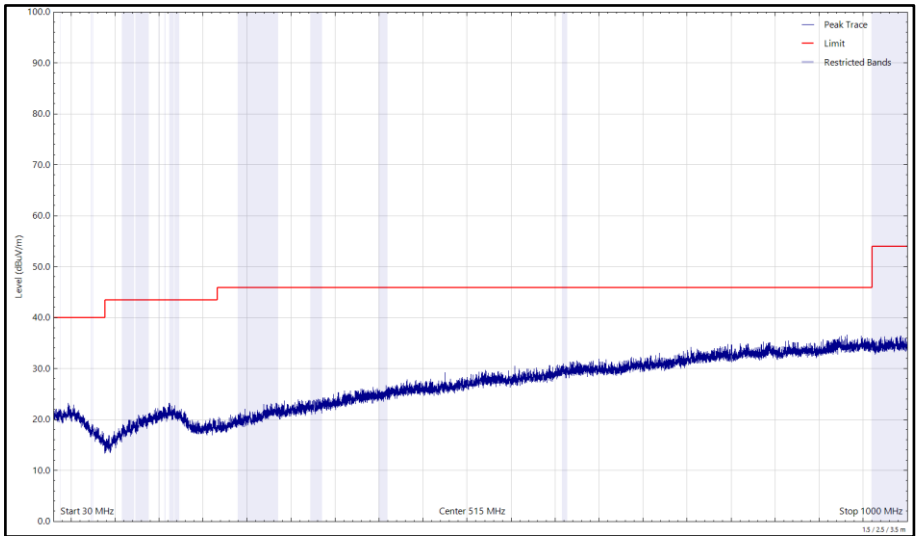

Figure 54 - U-NII-8 - 7115 MHz (CH233), HE20, SU, CDD, Core 0 + Core 1 and 2402 MHz (CH0), 2-DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

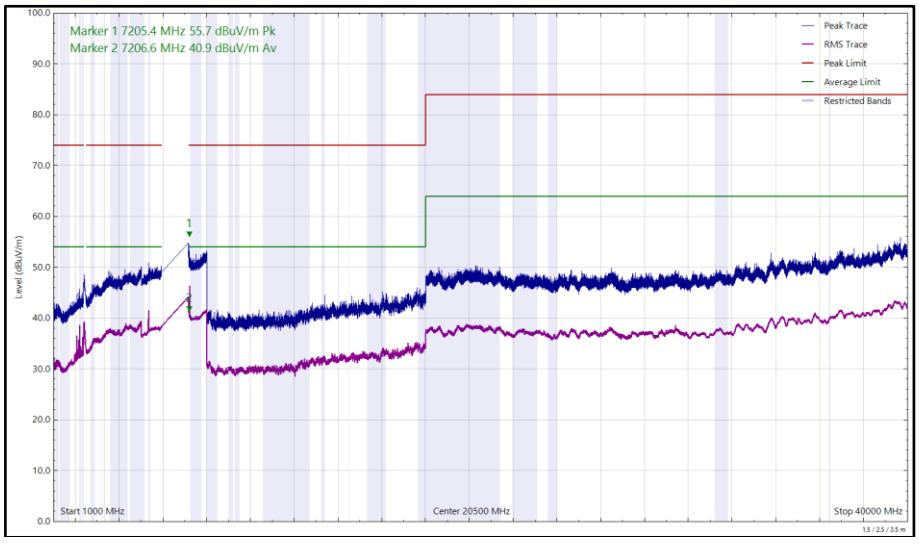

Figure 55 - U-NII-8 - 7115 MHz (CH233), HE20, SU, CDD, Core 0 + Core 1 and 2402 MHz (CH0), 2-DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

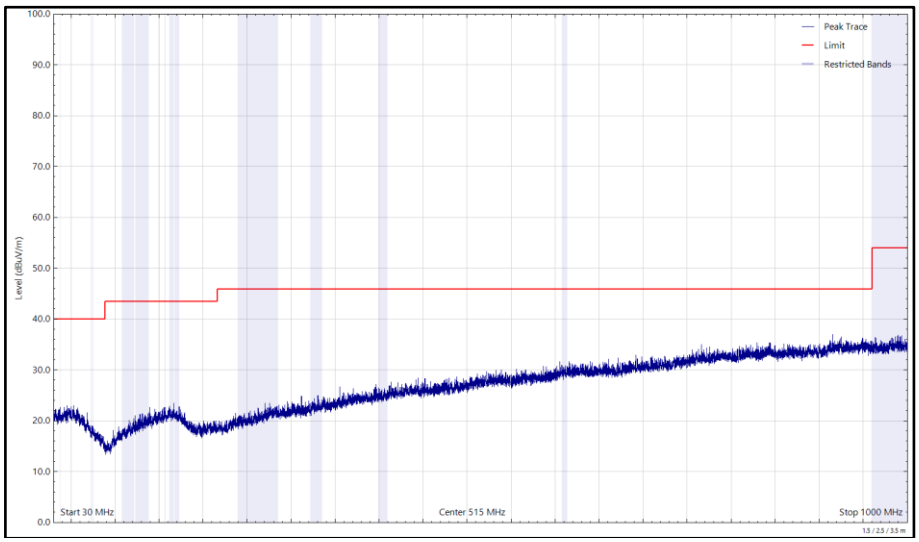

Figure 56 - U-NII-8 - 7115 MHz (CH233), HE20, SU, CDD, Core 0 + Core 1 and 2402 MHz (CH0), 2-DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

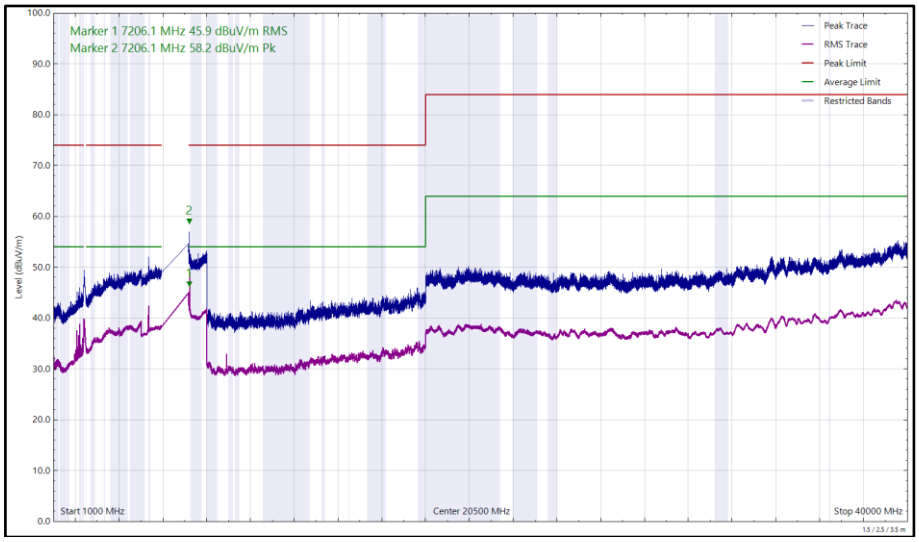

Figure 57 - U-NII-8 - 7115 MHz (CH233), HE20, SU, CDD, Core 0 + Core 1 and 2402 MHz (CH0), 2-DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

FCC 47 CFR Part 15, ISED RSS-247, 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 4.7.2	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

Table 20

CoTX - 2.4 GHz WLAN + Narrowband

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

Table 21 - 2412 MHz (CH1), HT20, Core 0 and 5162 MHz, HDR4, ePA, Core 1, 30 MHz to 40 GHz

*No emissions found within 10 dB of the limit.

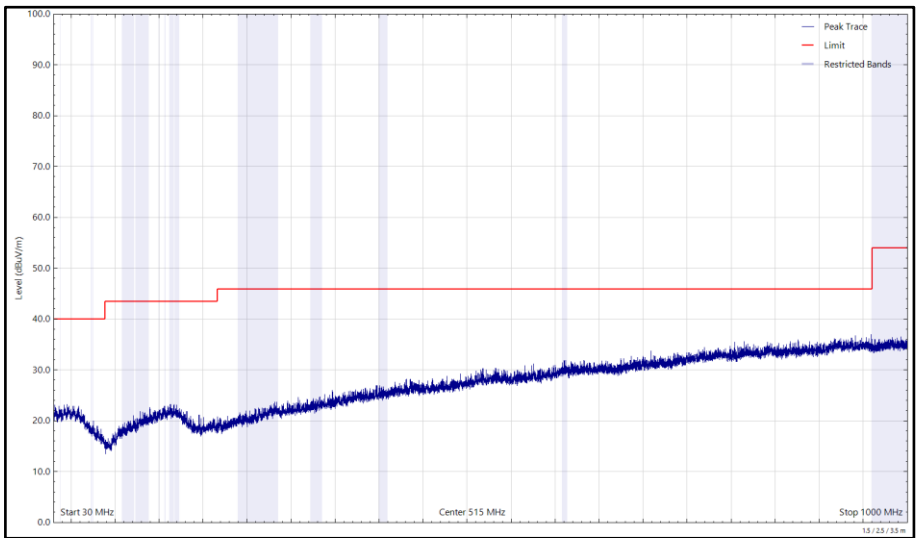

Figure 58 - 2412 MHz (CH1), HT20, Core 0 and 5162 MHz, HDR4, ePA, Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

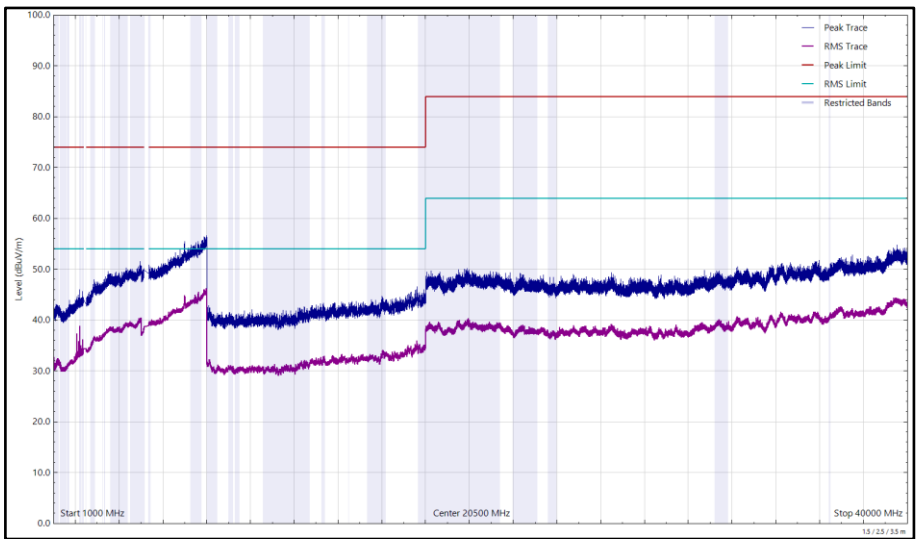

Figure 59 - 2412 MHz (CH1), HT20, Core 0 and 5162 MHz, HDR4, ePA, Core 1, 1 GHz to 40 GHz, Horizontal

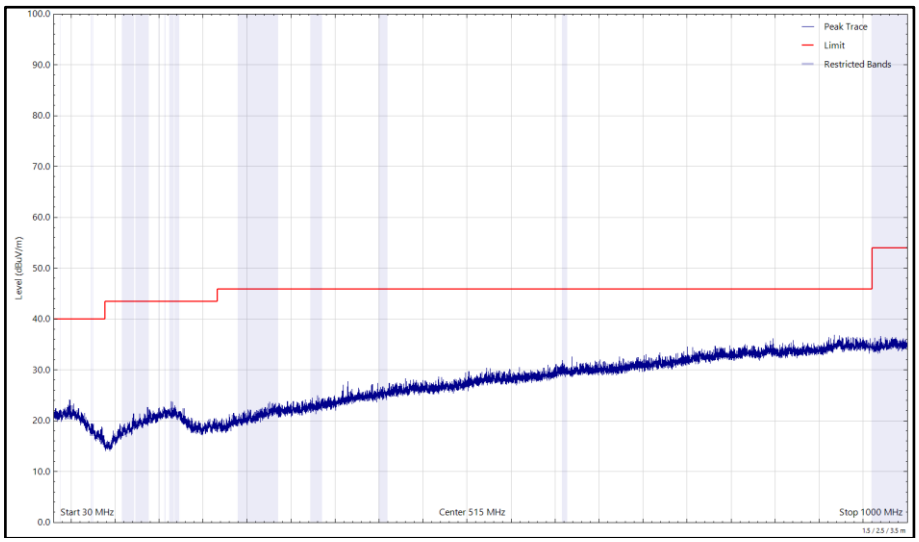

Figure 60 - 2412 MHz (CH1), HT20, Core 0 and 5162 MHz, HDR4, ePA, Core 1, 30 MHz to 1 GHz, Vertical (Peak)

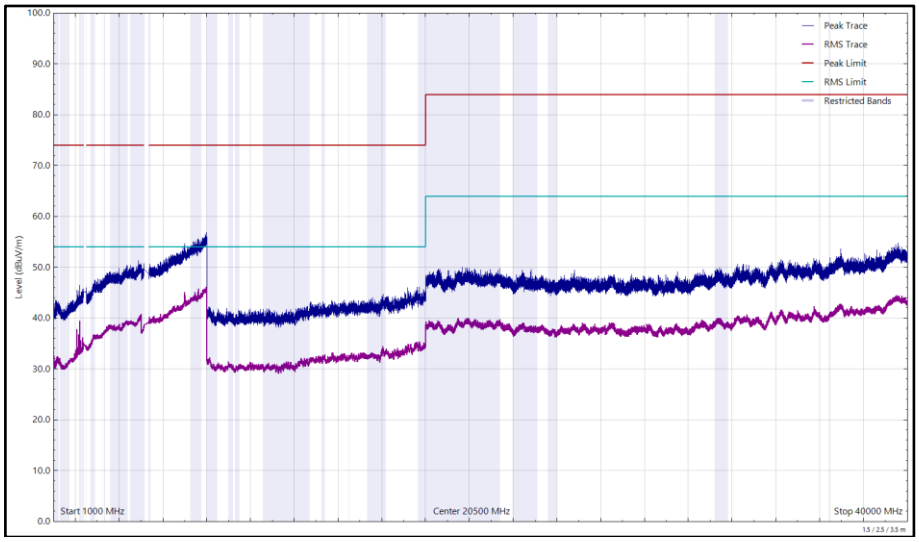

Figure 61 - 2412 MHz (CH1), HT20, Core 0 and 5162 MHz, HDR4, ePA, Core 1, 1 GHz to 40 GHz, Vertical

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

Table 22 - 2472 MHz (CH13), HT20, Core 0 and 5162 MHz, HDR4, ePA, Core 1, 30 MHz to 40 GHz

*No emissions found within 10 dB of the limit.

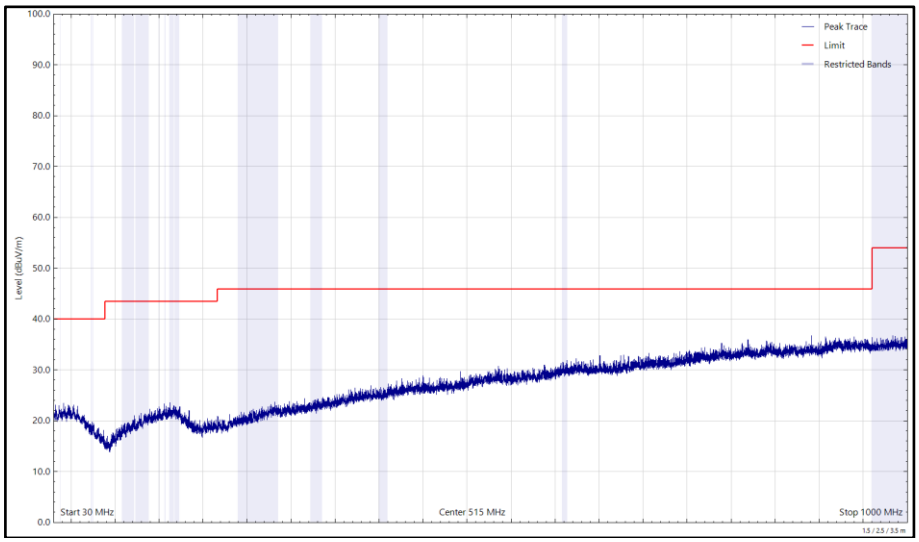

Figure 62 - 2472 MHz (CH13), HT20, Core 0 and 5162 MHz, HDR4, ePA, Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

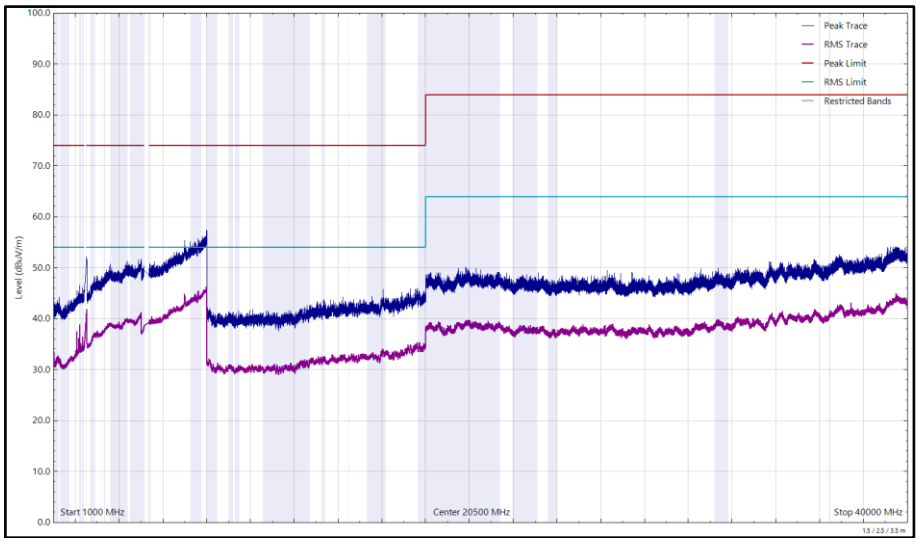

Figure 63 - 2472 MHz (CH13), HT20, Core 0 and 5162 MHz, HDR4, ePA, Core 1, 1 GHz to 40 GHz, Horizontal

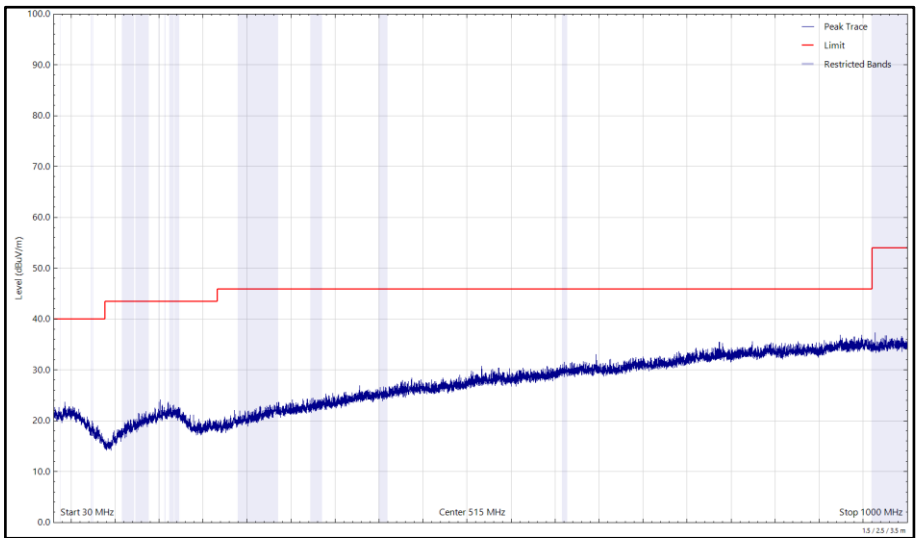

Figure 64 - 2472 MHz (CH13), HT20, Core 0 and 5162 MHz, HDR4, ePA, Core 1, 30 MHz to 1 GHz, Vertical (Peak)

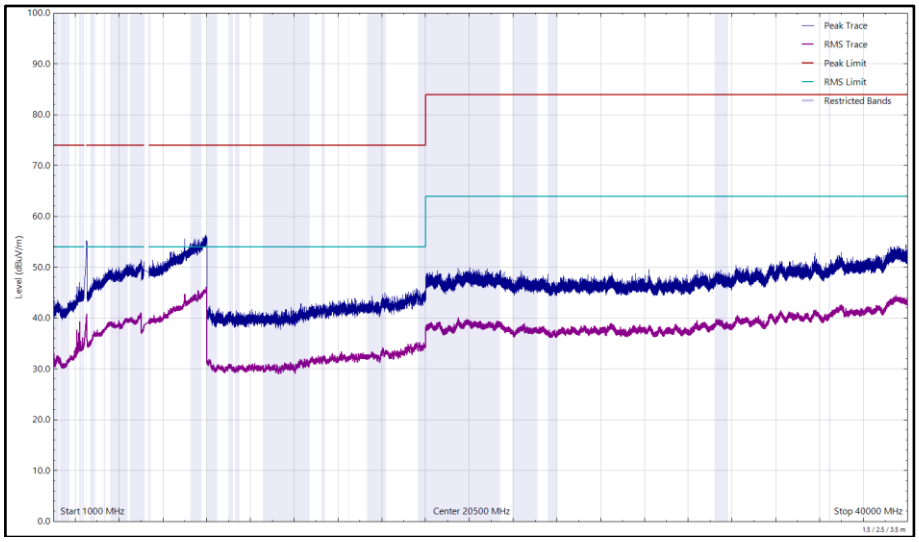

Figure 65 - 2472 MHz (CH13), HT20, Core 0 and 5162 MHz, HDR4, ePA, Core 1, 1 GHz to 40 GHz, Vertical

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

Table 23 - 2412 MHz (CH1), HT20, Core 0 and 5844 MHz, HDR4, ePA, Core 1, 30 MHz to 40 GHz

*No emissions found within 10 dB of the limit.

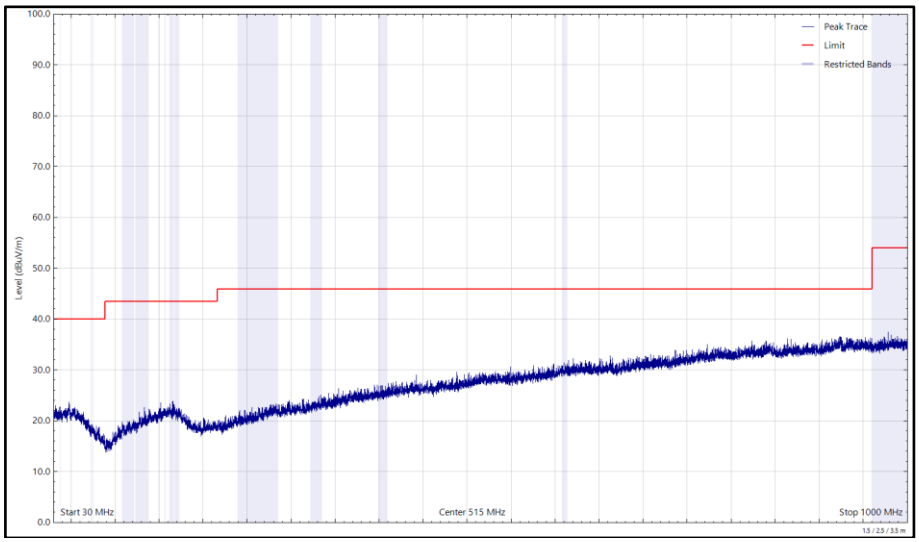

Figure 66 - 2412 MHz (CH1), HT20, Core 0 and 5844 MHz, HDR4, ePA, Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

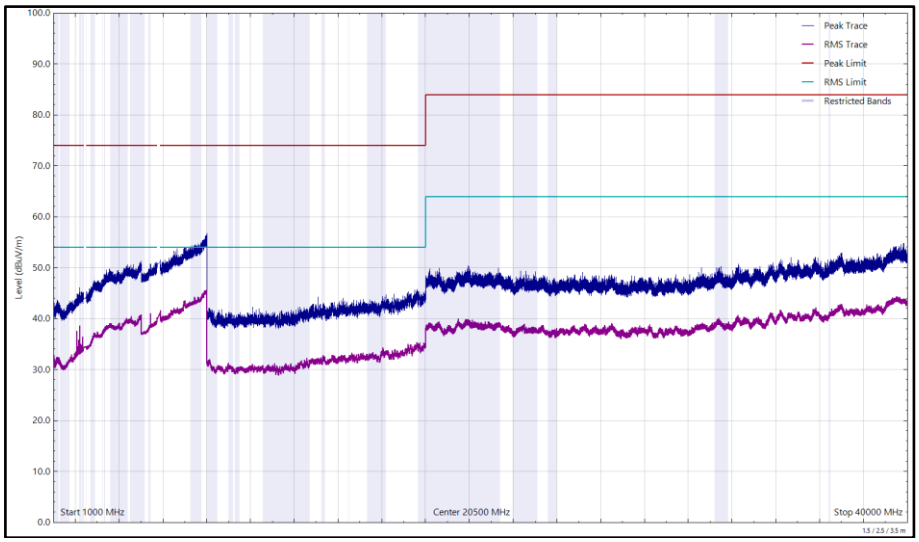

Figure 67 - 2412 MHz (CH1), HT20, Core 0 and 5844 MHz, HDR4, ePA, Core 1, 1 GHz to 40 GHz, Horizontal

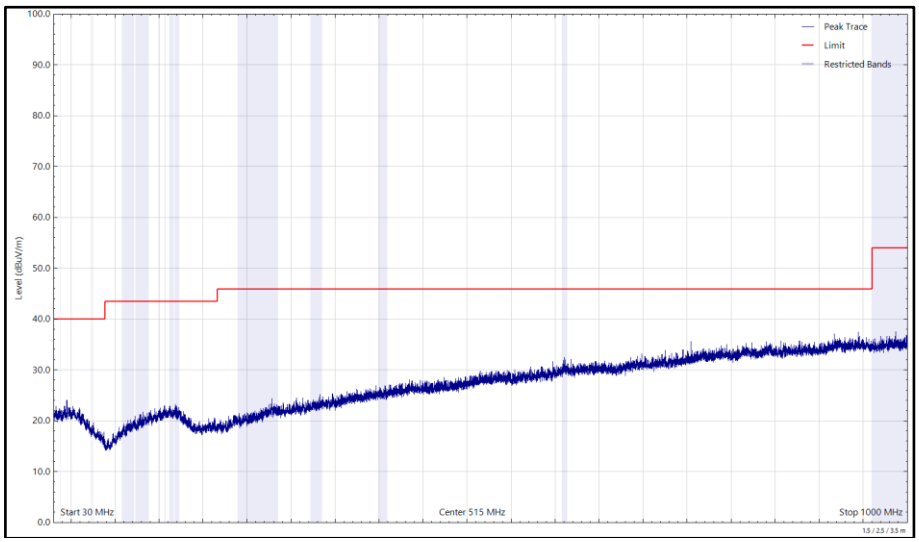

Figure 68 - 2412 MHz (CH1), HT20, Core 0 and 5844 MHz, HDR4, ePA, Core 1, 30 MHz to 1 GHz, Vertical (Peak)

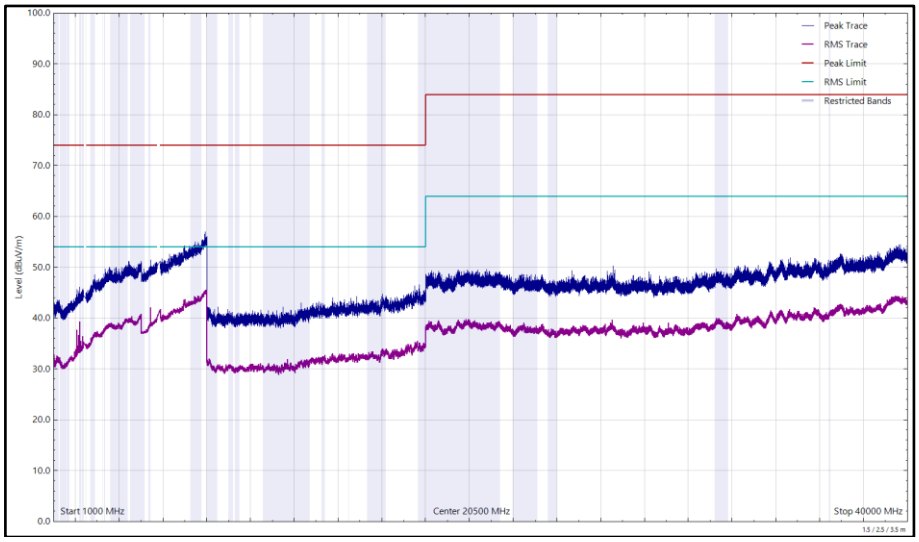

Figure 69 - 2412 MHz (CH1), HT20, Core 0 and 5844 MHz, HDR4, ePA, Core 1, 1 GHz to 40 GHz, Vertical

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

Table 24 - 2472 MHz (CH13), HT20, Core 0 and 5844 MHz, HDR4, ePA, Core 1, 30 MHz to 40 GHz

*No emissions found within 10 dB of the limit.

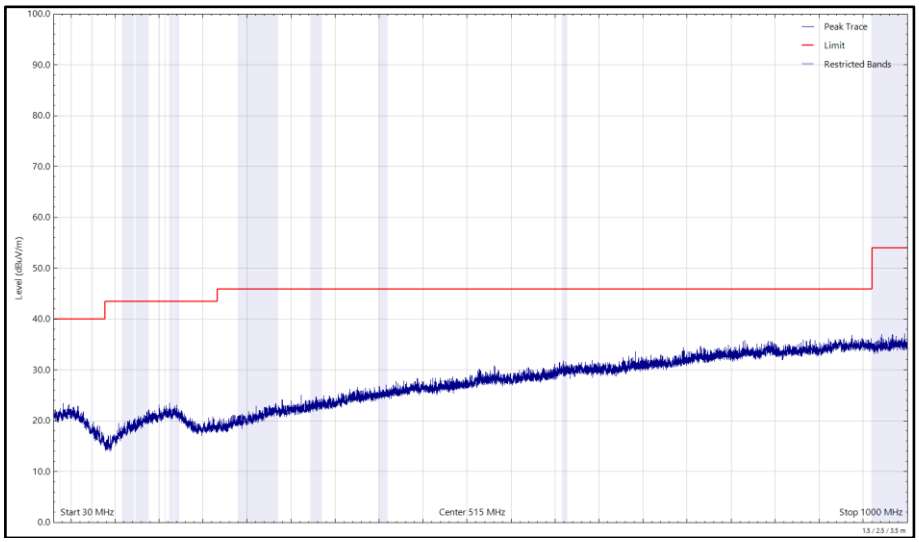

Figure 70 - 2472 MHz (CH13), HT20, Core 0 and 5844 MHz, HDR4, ePA, Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

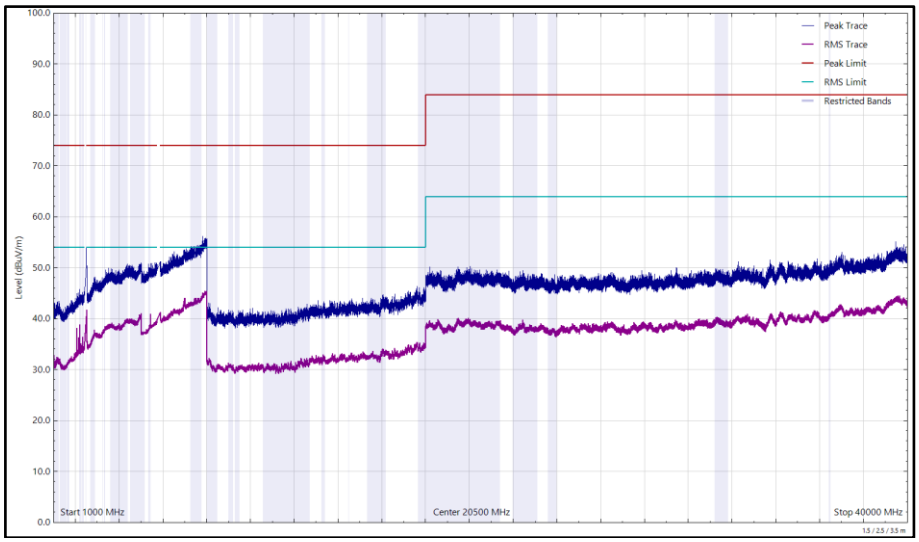

Figure 71 - 2472 MHz (CH13), HT20, Core 0 and 5844 MHz, HDR4, ePA, Core 1, 1 GHz to 40 GHz, Horizontal

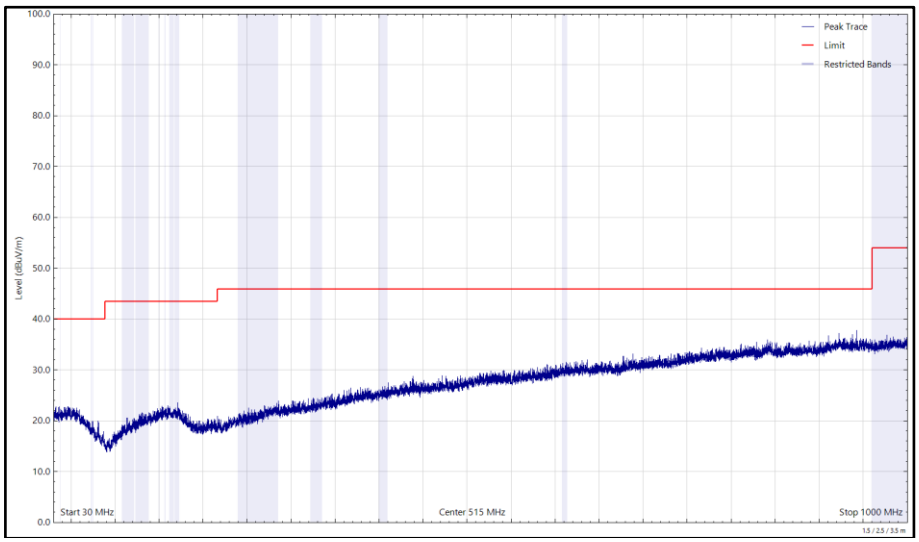

Figure 72 - 2472 MHz (CH13), HT20, Core 0 and 5844 MHz, HDR4, ePA, Core 1, 30 MHz to 1 GHz, Vertical (Peak)

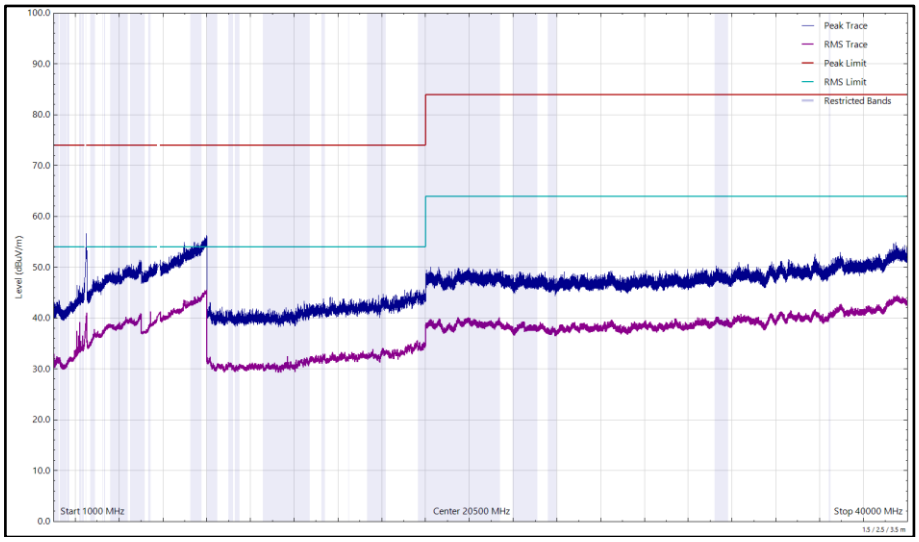

Figure 73 - 2472 MHz (CH13), HT20, Core 0 and 5844 MHz, HDR4, ePA, Core 1, 1 GHz to 40 GHz, Vertical

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

Table 25 - 2412 MHz (CH1), HT20, Core 1 and 5162 MHz, HDR4, ePA, Core 0, 30 MHz to 40 GHz

*No emissions found within 10 dB of the limit.

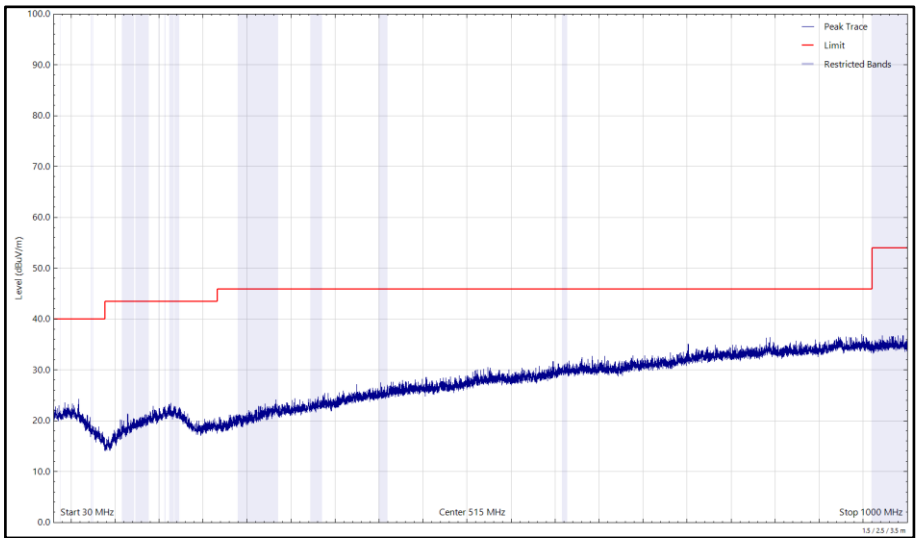

Figure 74 - 2412 MHz (CH1), HT20, Core 1 and 5162 MHz, HDR4, ePA, Core 0, 30 MHz to 1 GHz, Horizontal (Peak)

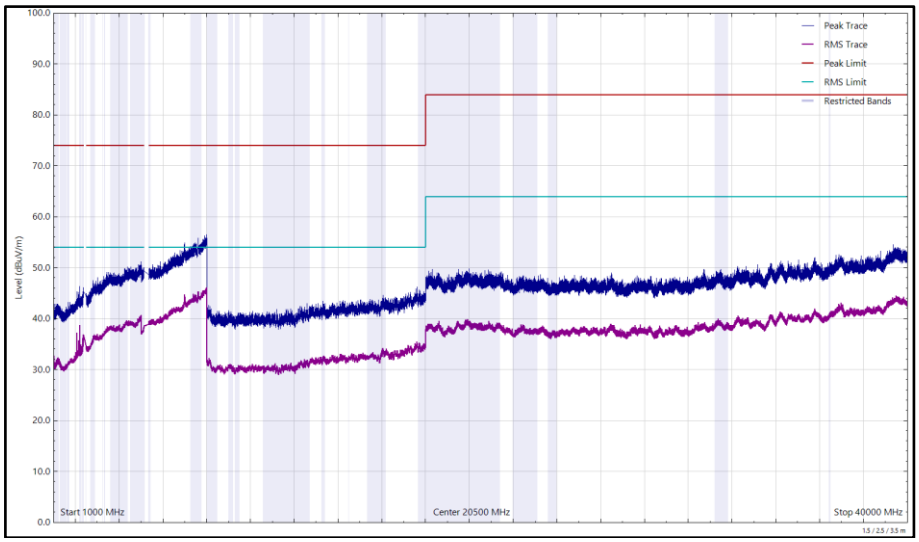

Figure 75 - 2412 MHz (CH1), HT20, Core 1 and 5162 MHz, HDR4, ePA, Core 0, 1 GHz to 40 GHz, Horizontal

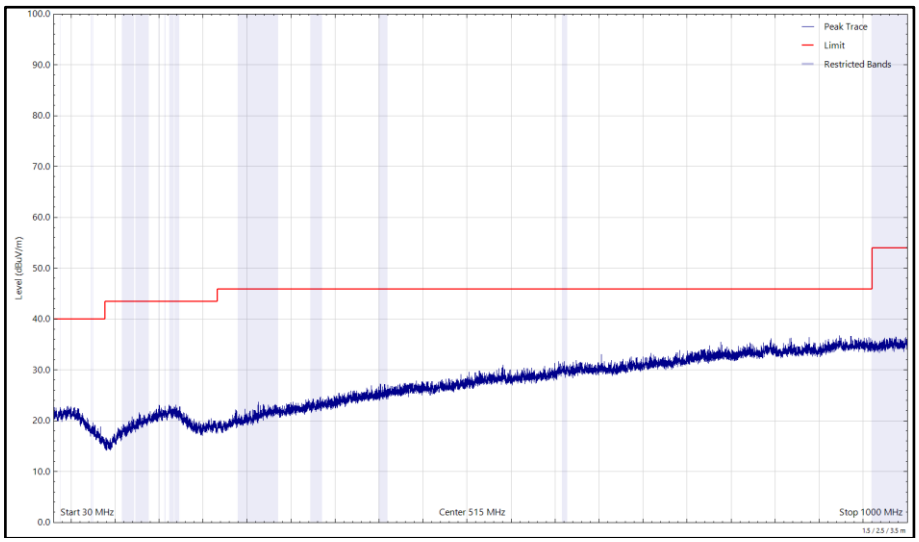

Figure 76 - 2412 MHz (CH1), HT20, Core 1 and 5162 MHz, HDR4, ePA, Core 0, 30 MHz to 1 GHz, Vertical (Peak)

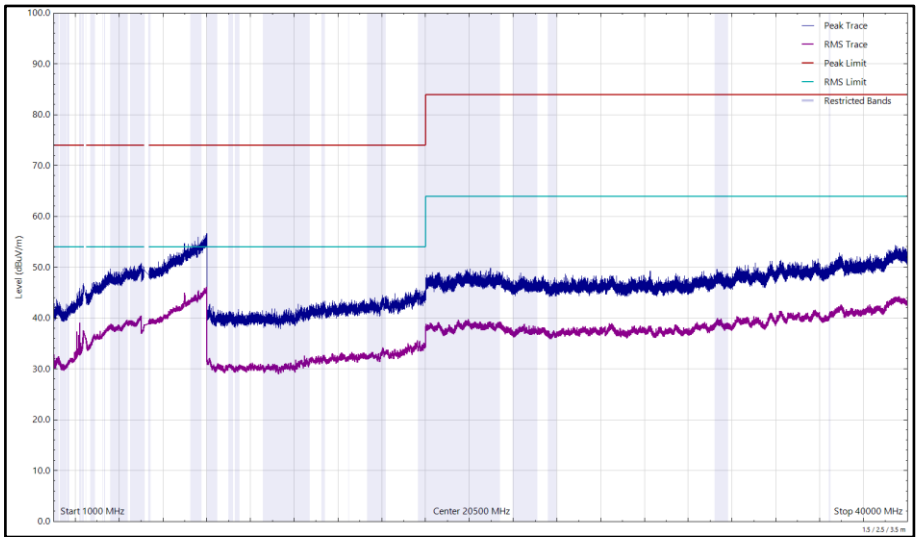

Figure 77 - 2412 MHz (CH1), HT20, Core 1 and 5162 MHz, HDR4, ePA, Core 0, 1 GHz to 40 GHz, Vertical

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

Table 26 - 2472 MHz (CH13), HT20, Core 1 and 5162 MHz, HDR4, ePA, Core 0, 30 MHz to 40 GHz

*No emissions found within 10 dB of the limit.

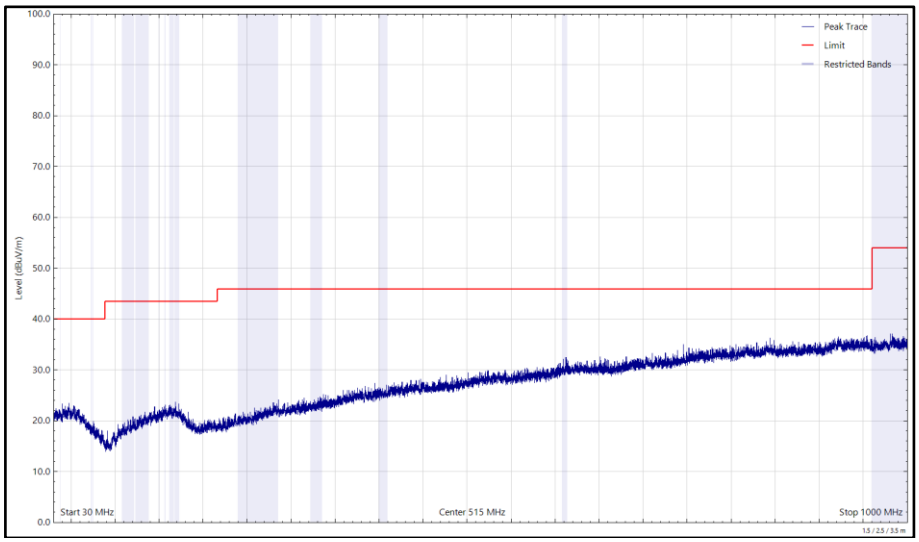

Figure 78 - 2472 MHz (CH13), HT20, Core 1 and 5162 MHz, HDR4, ePA, Core 0, 30 MHz to 1 GHz, Horizontal (Peak)

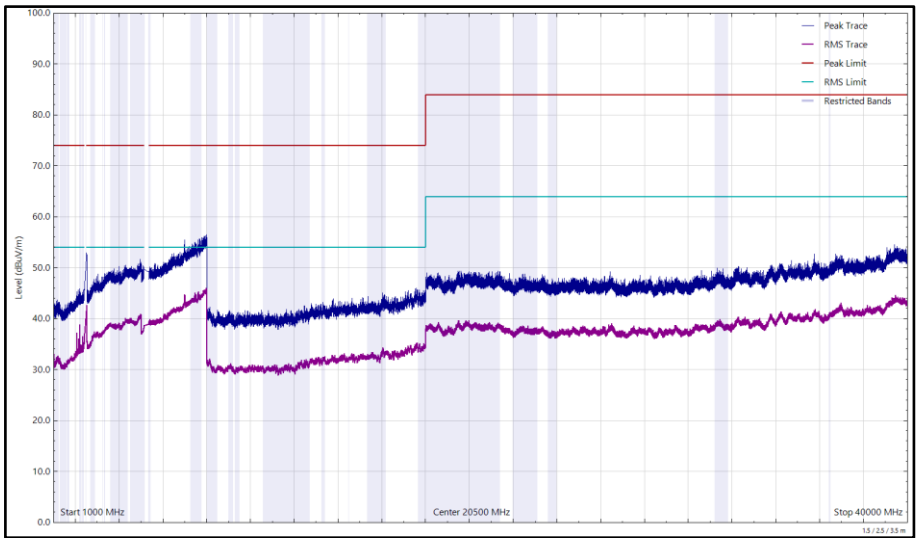

Figure 79 - 2472 MHz (CH13), HT20, Core 1 and 5162 MHz, HDR4, ePA, Core 0, 1 GHz to 40 GHz, Horizontal

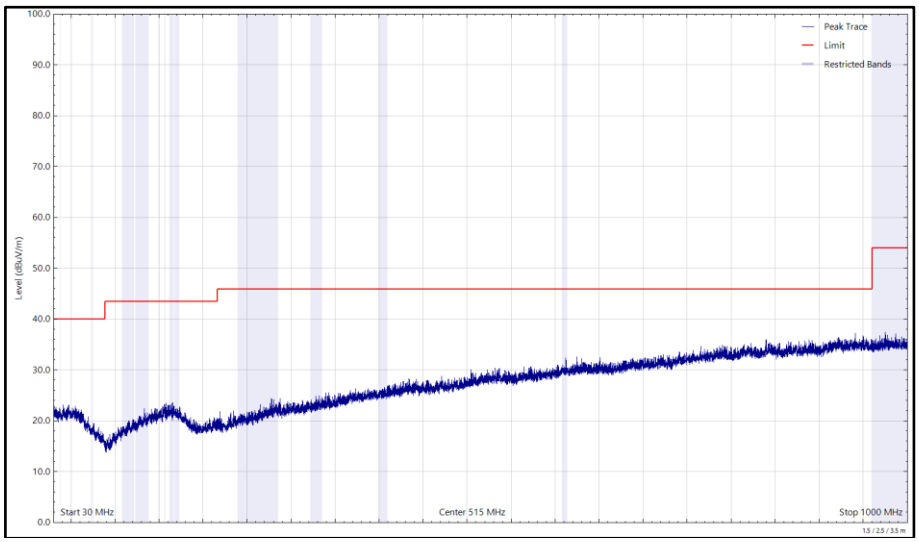

Figure 80 - 2472 MHz (CH13), HT20, Core 1 and 5162 MHz, HDR4, ePA, Core 0, 30 MHz to 1 GHz, Vertical (Peak)

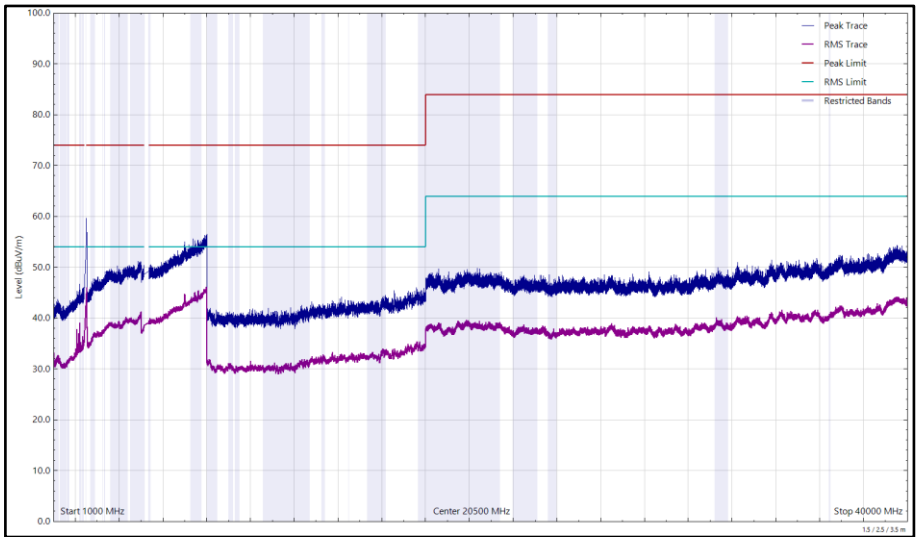

Figure 81 - 2472 MHz (CH13), HT20, Core 1 and 5162 MHz, HDR4, ePA, Core 0, 1 GHz to 40 GHz, Vertical

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

Table 27 - 2412 MHz (CH1), HT20, Core 1 and 5844 MHz, HDR4, ePA, Core 0, 30 MHz to 40 GHz

*No emissions found within 10 dB of the limit.

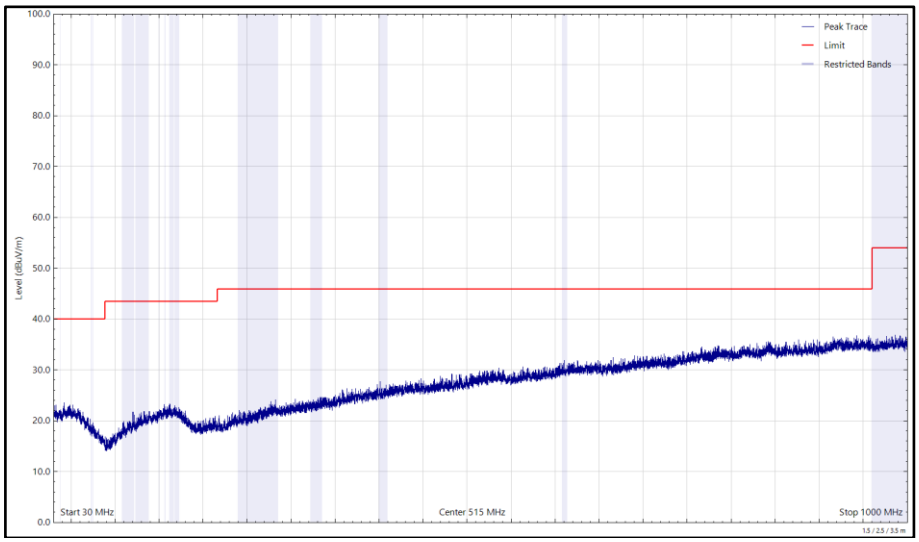

Figure 82 - 2412 MHz (CH1), HT20, Core 1 and 5844 MHz, HDR4, ePA, Core 0, 30 MHz to 1 GHz, Horizontal (Peak)

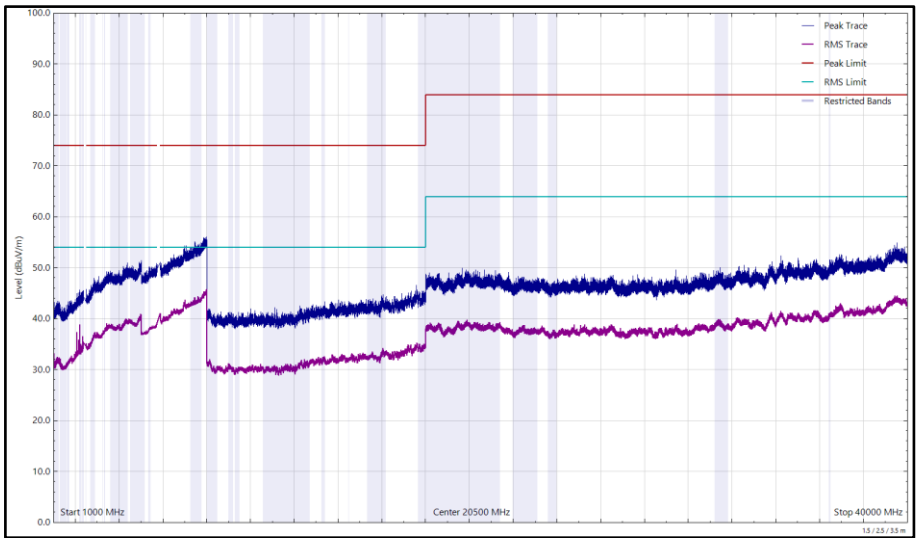

Figure 83 - 2412 MHz (CH1), HT20, Core 1 and 5844 MHz, HDR4, ePA, Core 0, 1 GHz to 40 GHz, Horizontal

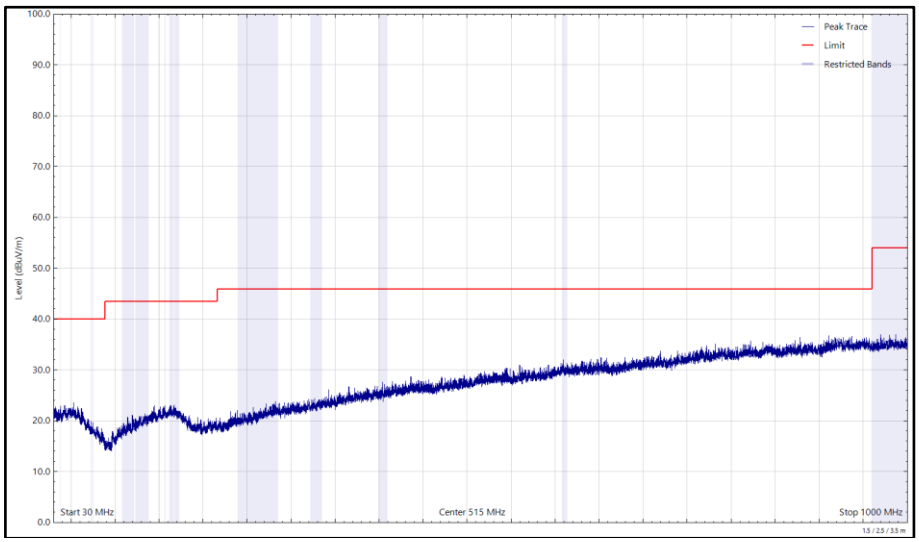

Figure 84 - 2412 MHz (CH1), HT20, Core 1 and 5844 MHz, HDR4, ePA, Core 0, 30 MHz to 1 GHz, Vertical (Peak)

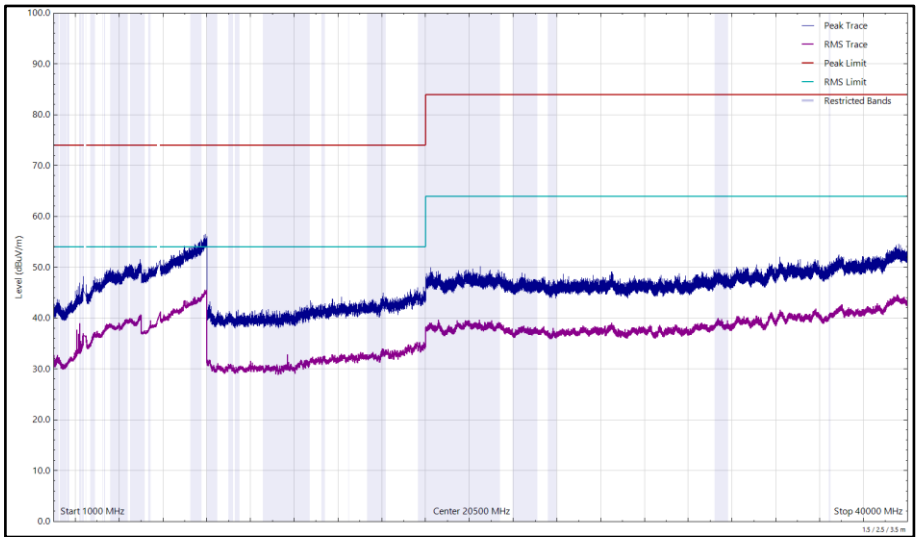

Figure 85 - 2412 MHz (CH1), HT20, Core 1 and 5844 MHz, HDR4, ePA, Core 0, 1 GHz to 40 GHz, Vertical

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

Table 28 - 2472 MHz (CH13), HT20, Core 1 and 5844 MHz, HDR4, ePA, Core 0, 30 MHz to 40 GHz

*No emissions found within 10 dB of the limit.

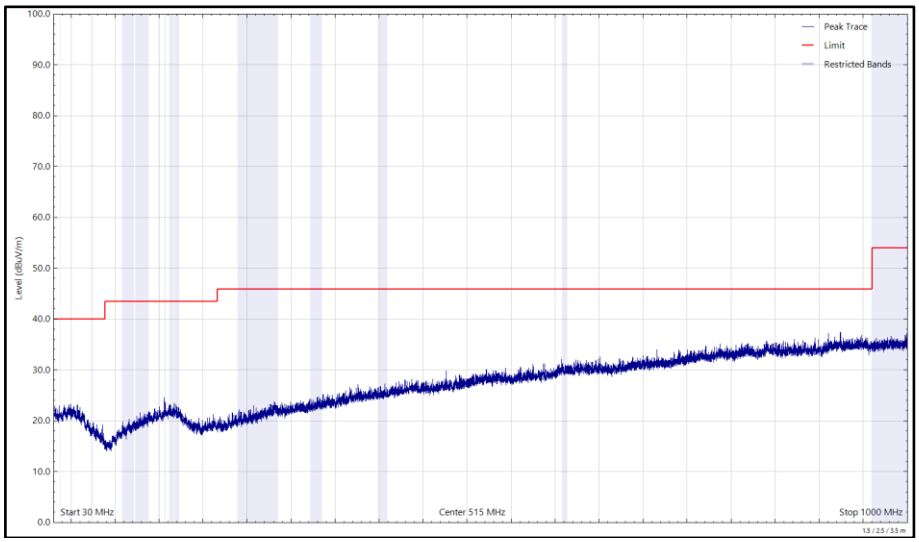

Figure 86 - 2472 MHz (CH13), HT20, Core 1 and 5844 MHz, HDR4, ePA, Core 0, 30 MHz to 1 GHz, Horizontal (Peak)

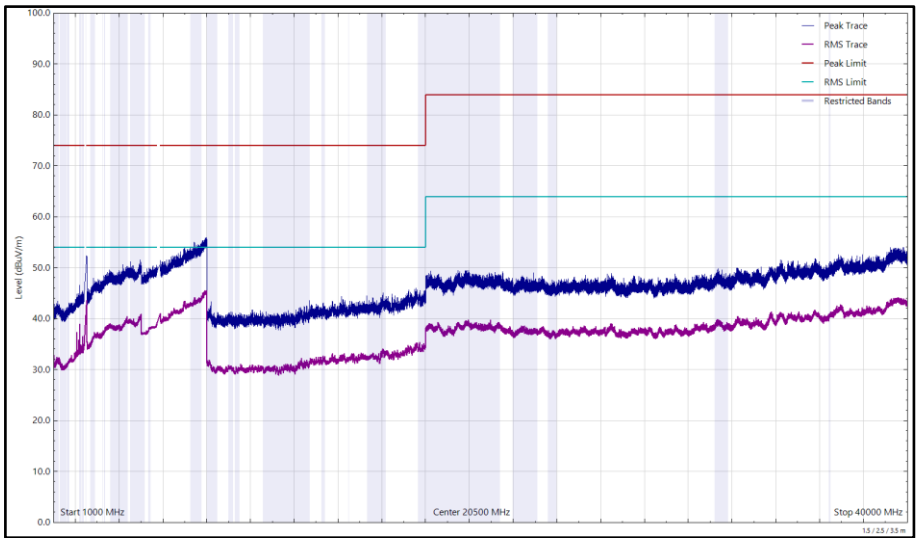

Figure 87 - 2472 MHz (CH13), HT20, Core 1 and 5844 MHz, HDR4, ePA, Core 0, 1 GHz to 40 GHz, Horizontal

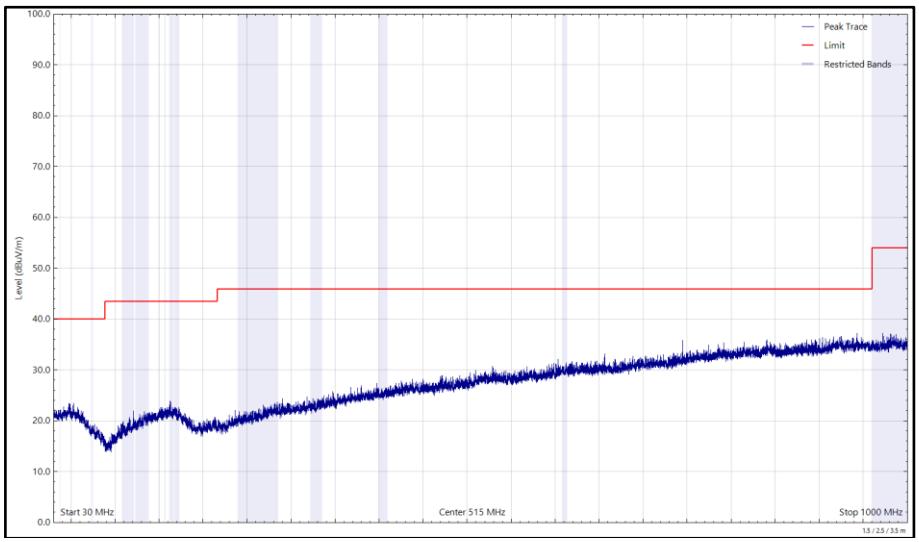

Figure 88 - 2472 MHz (CH13), HT20, Core 1 and 5844 MHz, HDR4, ePA, Core 0, 30 MHz to 1 GHz, Vertical (Peak)

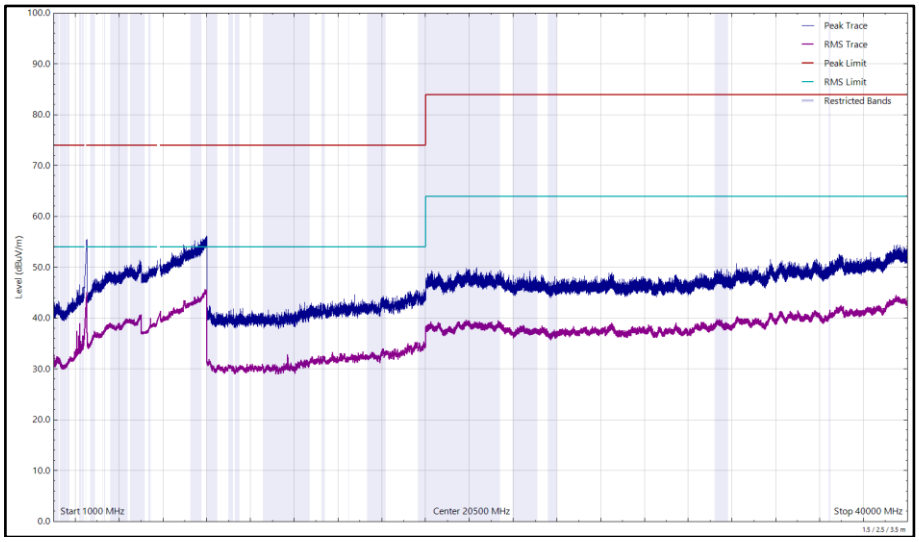

Figure 89 - 2472 MHz (CH13), HT20, Core 1 and 5844 MHz, HDR4, ePA, Core 0, 1 GHz to 40 GHz, Vertical

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

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

The least stringent applicable limit was:

Clause	Limit
Part 15.247 (d) / RSS-247 Clause 5.5	-30 dBc
Part 15.407 (b) / RSS-247 Clause 6.2	-27 dBm (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 29

2.1.8 Test Location and Test Equipment Used

This test was carried out in RF Chamber 14.

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
Emissions Software	TUD SUD	EmX V3.1.4	5125	-	Software
EMI Test Receiver	Rohde & Schwarz	ESW44	5912	12	17-Feb-2023
Cable (K Type 2m)	Junkosha	MWX241-01000KMSKMS/B	5937	12	14-May-2023
DRG Horn Antenna (7.5-18GHz)	Schwarzbeck	HWRD750	5941	12	29-May-2023
TRILOG Super Broadband Test Antenna	Schwarzbeck	VULB 9168	5943	24	03-Feb-2024
1500W (300V 12A) AC Power Supply	iTech	IT7324	5955	-	O/P Mon
5m Semi-Anechoic Chamber (Dual-Axis)	Albatross Projects	RF Chamber 14	5958	36	26-Apr-2025
Compact Antenna Mast	Maturo Gmbh	CAM4.0-P	5959	-	TU
Tilt Antenna Mast	Maturo Gmbh	BAM4.5-P	5961	-	TU
Cable (SMA to SMA 1m)	Junkosha	MWX221-01000AMSAMS/A	5997	12	06-Jun-2023
Cable (SMA to SMA 6.5m)	Junkosha	MWX221-06500AMSAMS/B	6003	12	07-Jun-2023
Cable (SMA to SMA 1m)	Junkosha	MWX221-01000AMSAMS/A	6008	12	06-Jun-2023
Cable (N to N 1m)	Junkosha	MWX221-01000AMSAMS/B	6009	12	07-Jun-2023
Cable (N to N 7m)	Junkosha	MWX221-07000NMSNMS/B	6016	12	05-Jun-2023
Cable (N to N 8m)	Junkosha	MWX221-08000NMSNMS/A	6017	12	05-Jun-2023
Horn Antenna (1-10 GHz)	Schwarzbeck	BBHA9120B	6141	12	21-Jun-2023
SAC Switch Unit	TUV SUD	SSU001	6144	12	07-Jul-2023
Digital Multimeter	Fluke	115	6146	12	16-Jun-2023
Humidity & Temperature meter	R.S Components	1364	6149	12	17-Jun-2023
Double Ridge Active Horn Antenna (18-40 GHz)	Com-Power	AHA-840	6187	24	02-Jun-2024
8GHz Highpass Filter	Wainwright	WHKX 7150 8000 18000 50SS	6194	12	15-Jul-2023
8GHz Highpass Filter	Wainwright	WHKX 7150 8000 18000 50SS	6195	12	15-Jul-2023
Pre Amp 8 - 18 GHz	Wright Technologies	APS06 0061	6199	12	19-Jul-2023
Attenuator 4dB	Pasternack	PE7074-4	6202	24	16-Jul-2024
Cable (SMA to SMA 20cm)	TUV SUD	MH-FH 8-18	6215	12	25-Jul-2023

Table 30

TU - Traceability Unscheduled

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 31

Measurement Uncertainty Decision Rule – Accuracy Method

Determination of conformity with the specification limits is based on the decision rule according to IEC Guide 115:2007, Clause 4.4.3 and 4.5.1. (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.