20 MHz Bandwidth - Core 1 (SISO)

Mode	Data Rate/ MCS	Resource Size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBµV/m)	Average Level (dBuV/m)
802.11a	54 Mbps	-	-	5955	5925	56.15	44.65
802.11ax HE20	MCS11x1	SU	-	5955	5925	55.72	44.38
802.11ax HE20	MCS11x1	26	0	5955	5925	56.87	44.52
802.11a	54 Mbps	-	-	7095	7125	57.98	46.75
802.11a	54 Mbps	-	-	7115	7125	79.99	64.08
802.11ax HE20	MCS11x1	SU	-	7095	7125	61.00	46.73

Table 314 - SISO Authorised Band Edge Results

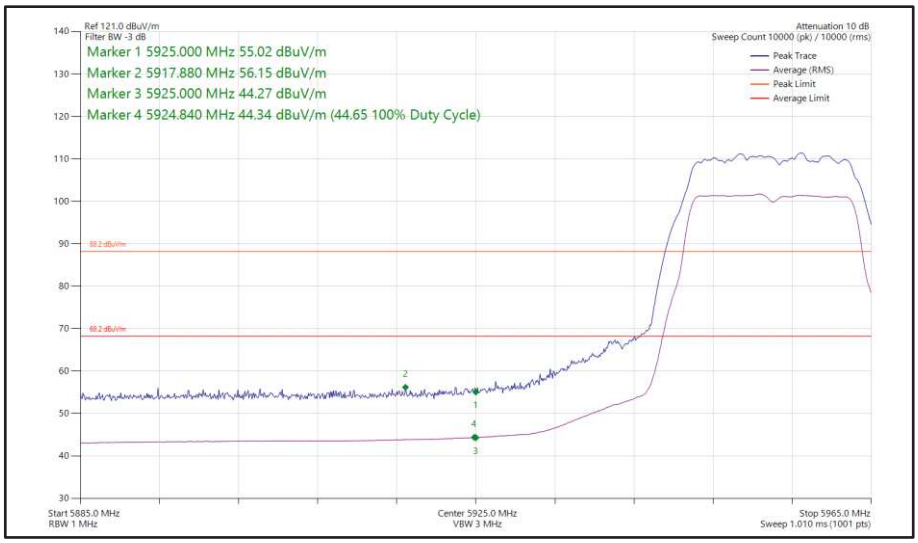

Figure 37 - 802.11a, SISO, Core 1 - 5955 MHz, Band Edge Frequency 5925 MHz

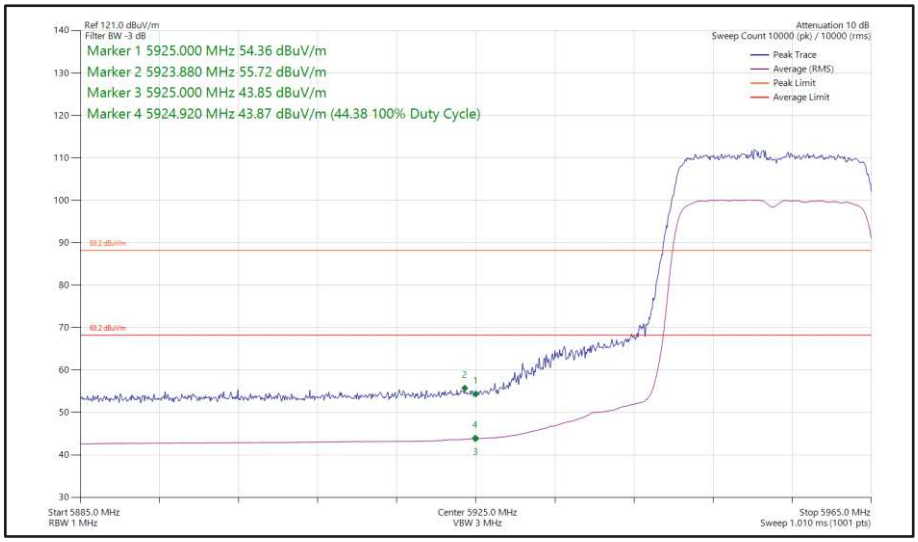

Figure 38 - 802.11ax, HE20, SU, SISO, Core 1 - 5955 MHz, Band Edge Frequency 5925 MHz

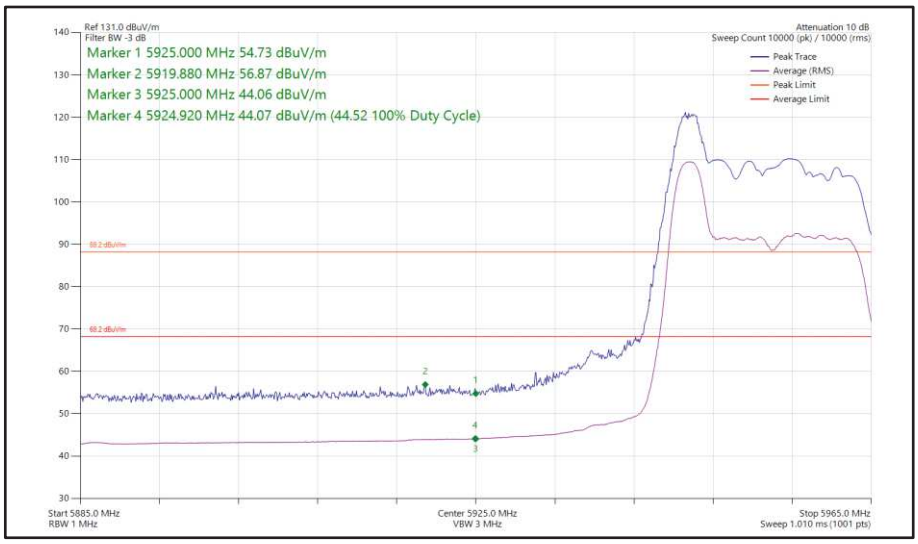

Figure 39 - 802.11ax, HE20, RU 26-0, SISO, Core 1 - 5955 MHz, Band Edge Frequency 5925 MHz

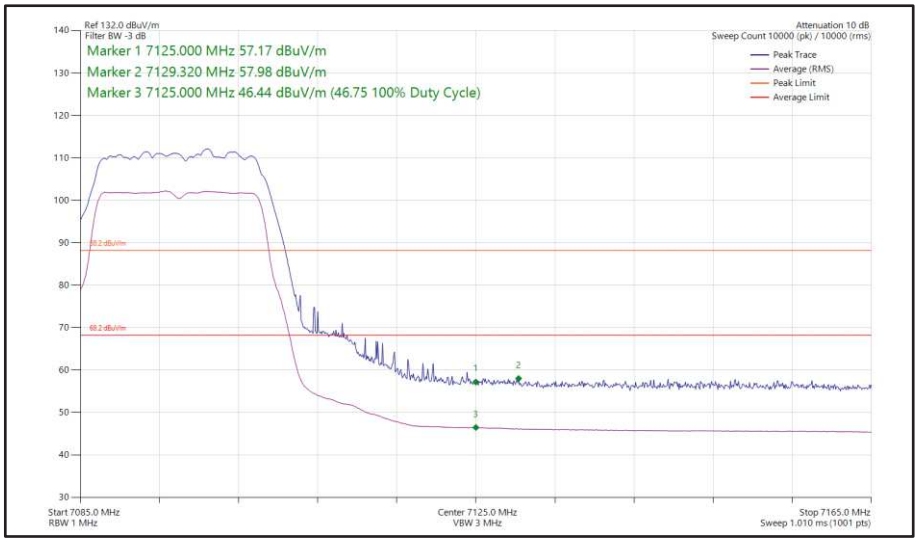

**Figure 40 - 802.11a, SISO, Core 1 - 7095 MHz,
Band Edge Frequency 7125 MHz**

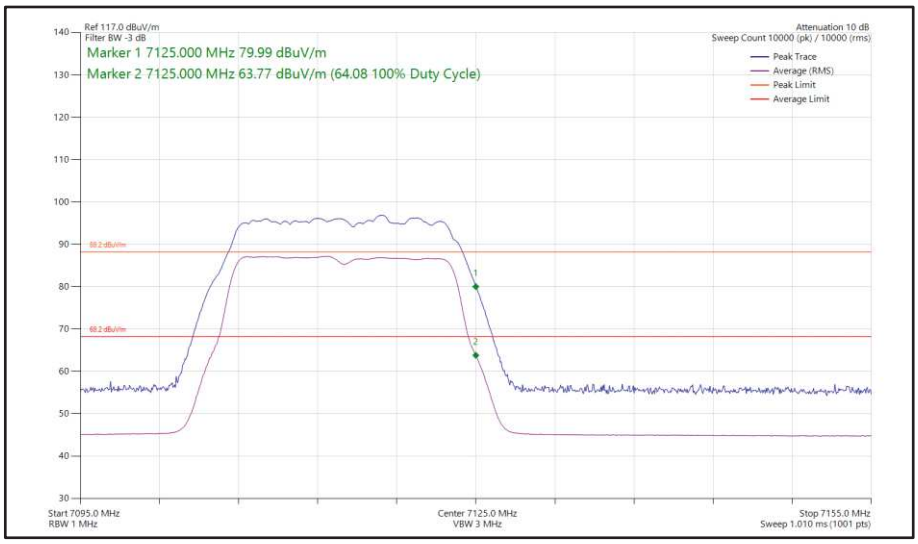

**Figure 41 - 802.11a, SISO, Core 1 - 7115 MHz,
Band Edge Frequency 7125 MHz**

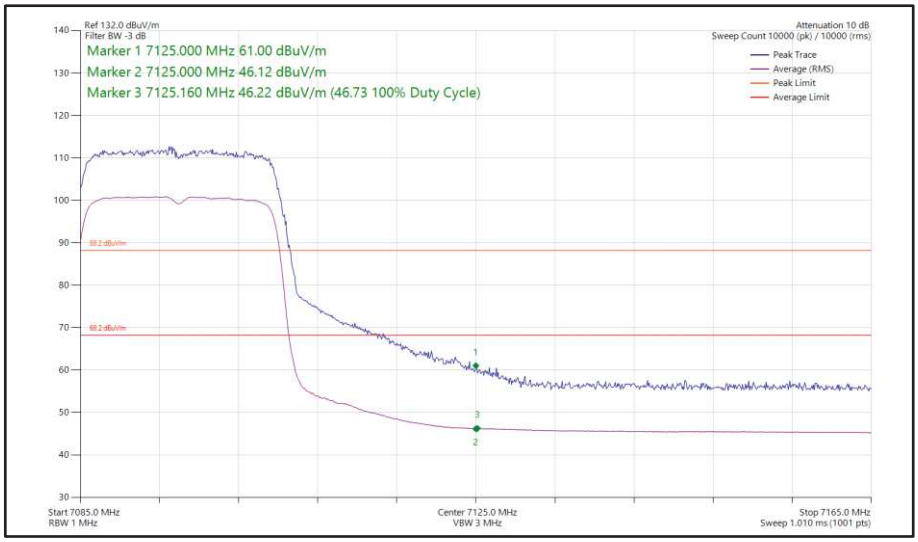

Figure 42 - 802.11ax, HE20, SU, SISO, Core 1 - 7095 MHz, Band Edge Frequency 7125 MHz

20 MHz Bandwidth - Core 0-1 (CDD)

Mode	Data Rate/ MCS	Resource Size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBµV/m)	Average Level (dBuV/m)
802.11ax HE20	MCS11x1	SU	-	5955	5925	57.96	45.93
802.11ax HE20	MCS11x1	52	37	5955	5925	58.65	44.49
802.11ax HE20	MCS11x1	SU	-	7095	7125	60.56	47.28

Table 315 - CDD Authorised Band Edge Results

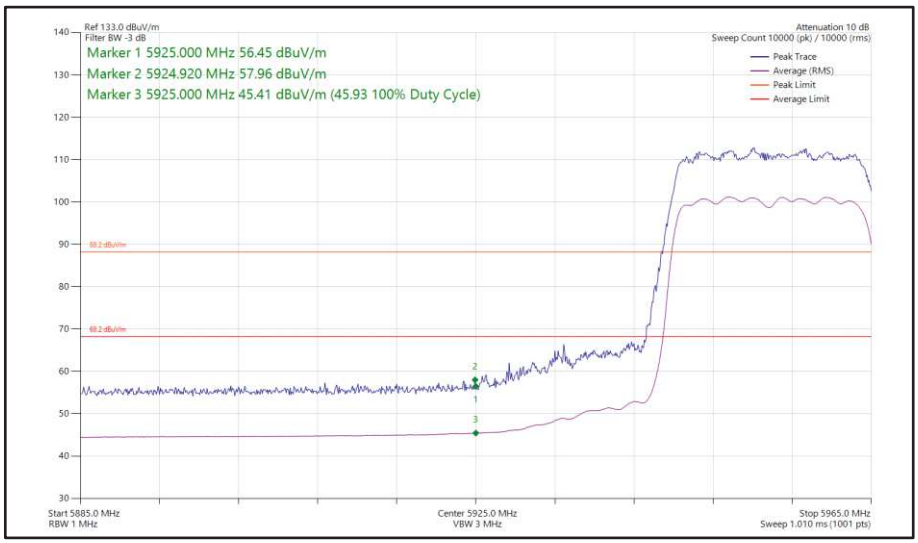

Figure 43 - 802.11ax, HE20, SU, CDD, Core 0-1 - 5955 MHz, Band Edge Frequency 5925 MHz

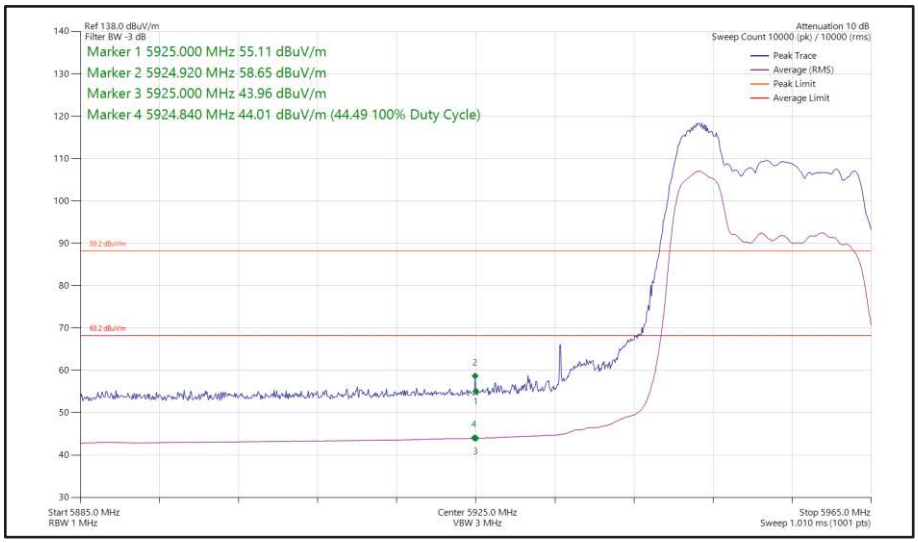

Figure 44 - 802.11ax, HE20, RU 52-37, CDD, Core 0-1 - 5955 MHz, Band Edge Frequency 5925 MHz

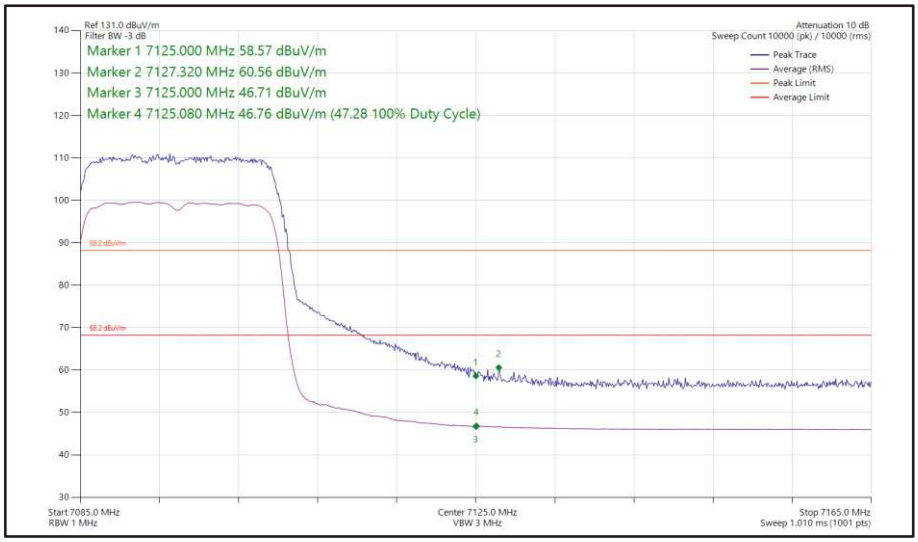

Figure 45 - 802.11ax, HE20, SU, CDD, Core 0-1 - 7095 MHz, Band Edge Frequency 7125 MHz

20 MHz Bandwidth - Core 0-1 (SDM)

Mode	Data Rate/ MCS	Resource Size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBµV/m)	Average Level (dBuV/m)
802.11ax HE20	MCS4x2	SU	-	5955	5925	55.56	44.44
802.11ax HE20	MCS11x2	106	53	5955	5925	57.70	44.38
802.11ax HE20	MCS11x2	SU	-	7095	7125	59.96	47.04

Table 316 - SDM Authorised Band Edge Results

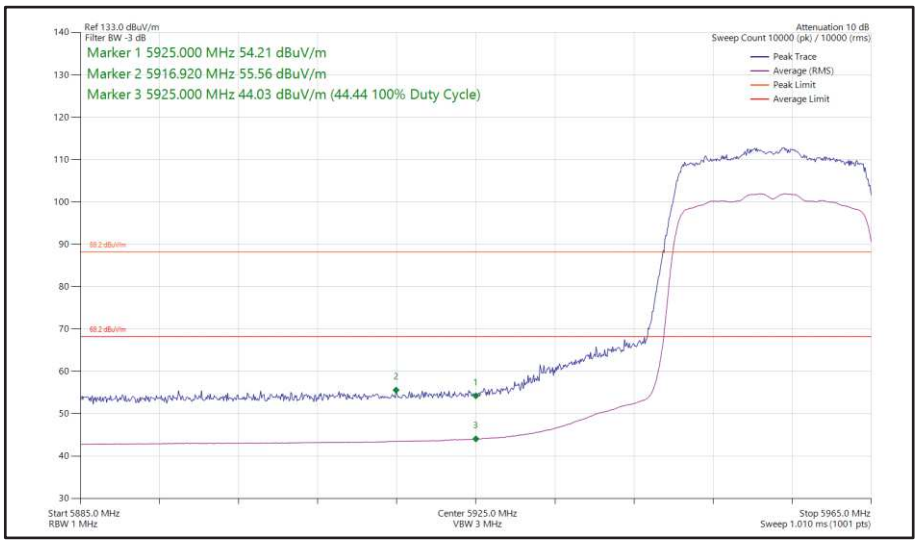

Figure 46 - 802.11ax, HE20, SU, SDM, Core 0-1 - 5955 MHz, Band Edge Frequency 5925 MHz

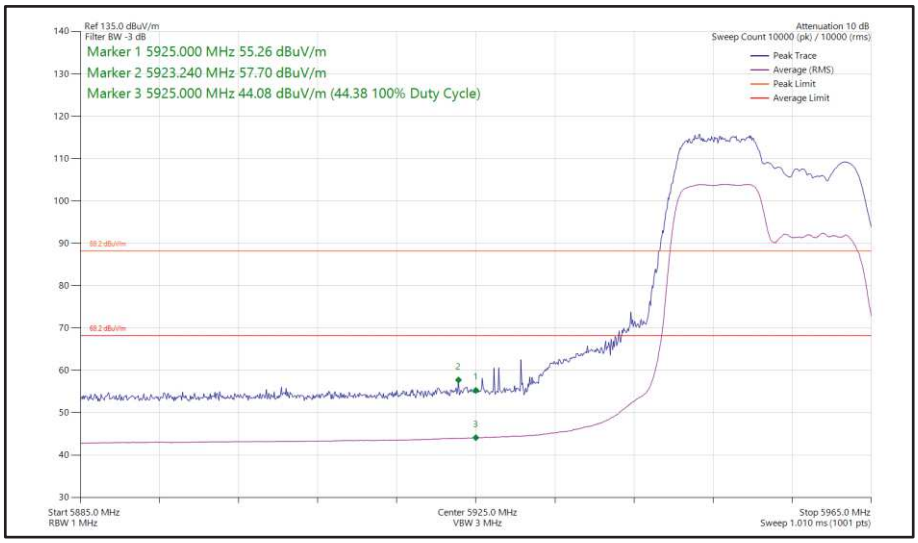

Figure 47 - 802.11ax, HE20, RU 106-53, SDM, Core 0-1 - 5955 MHz, Band Edge Frequency 5925 MHz

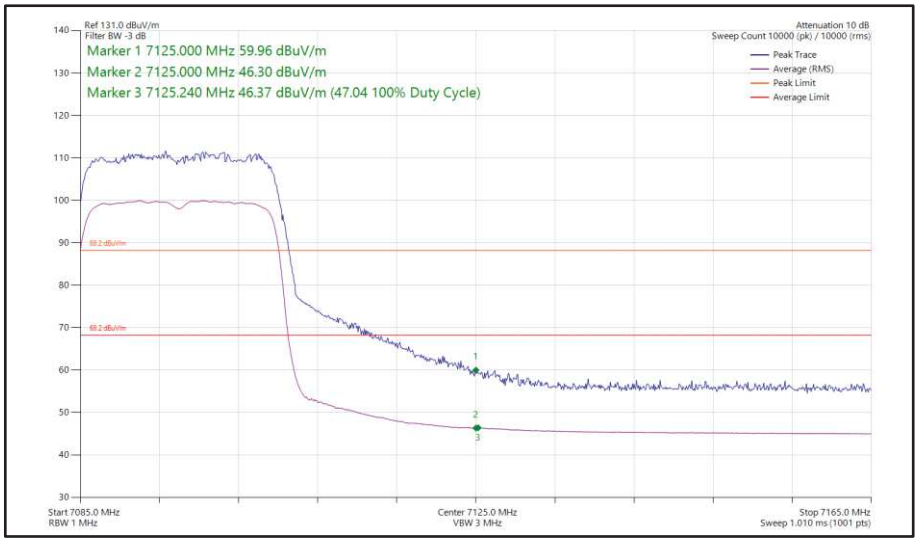

Figure 48 - 802.11ax, HE20, SU, SDM, Core 0-1 - 7095 MHz, Band Edge Frequency 7125 MHz

40 MHz Bandwidth - Core 0 (SISO)

Mode	Data Rate/ MCS	Resource Size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBµV/m)	Average Level (dBuV/m)
802.11ax HE40	MCS11x1	SU	-	5965	5925	58.19	46.17
802.11ax HE40	MCS11x1	26	17	5965	5925	58.81	44.91
802.11ax HE40	MCS11x1	SU	-	7085	7125	62.09	47.61
802.11ax HE40	MCS11x1	26	0	7085	7125	75.08	53.04

Table 317 - SISO Authorised Band Edge Results

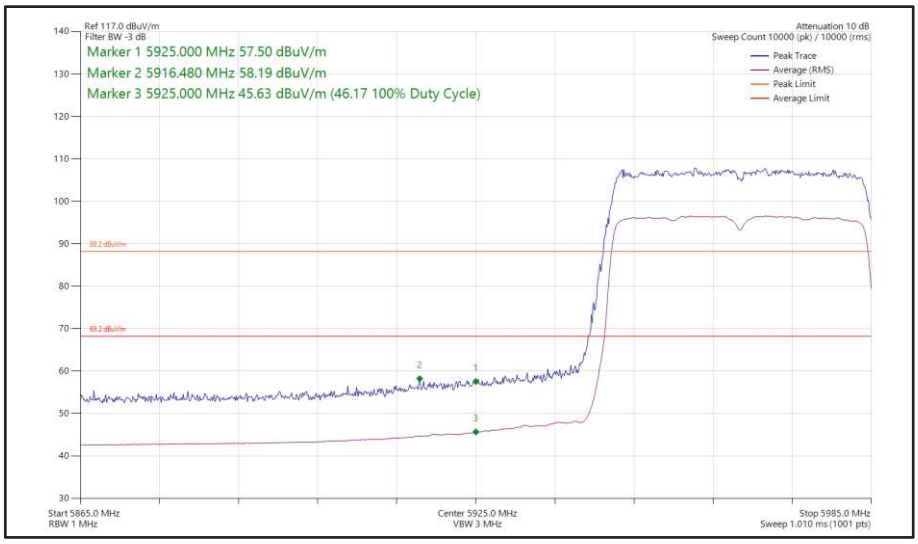

Figure 49 - 802.11ax, HE40, SU, SISO, Core 0 - 5965 MHz, Band Edge Frequency 5925 MHz

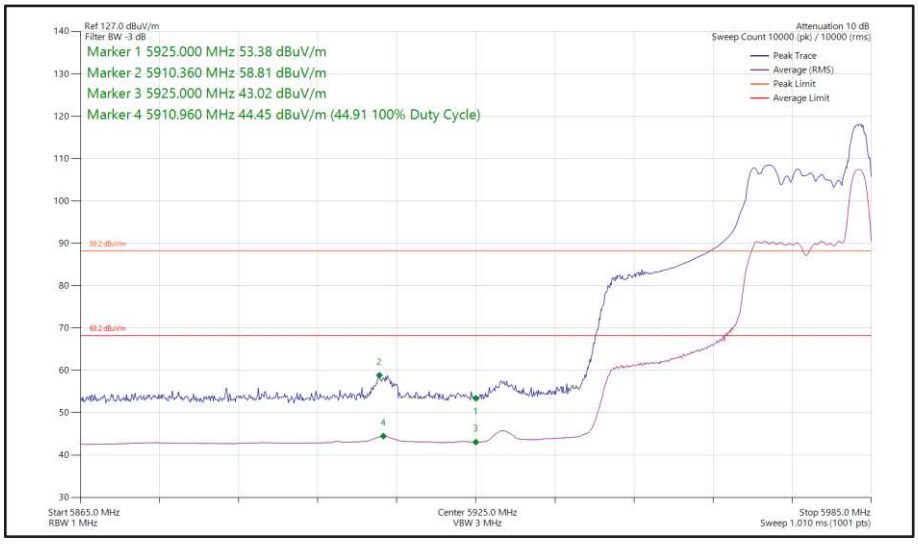

Figure 50 - 802.11ax, HE40, RU 26-17, SISO, Core 0 - 5965 MHz, Band Edge Frequency 5925 MHz

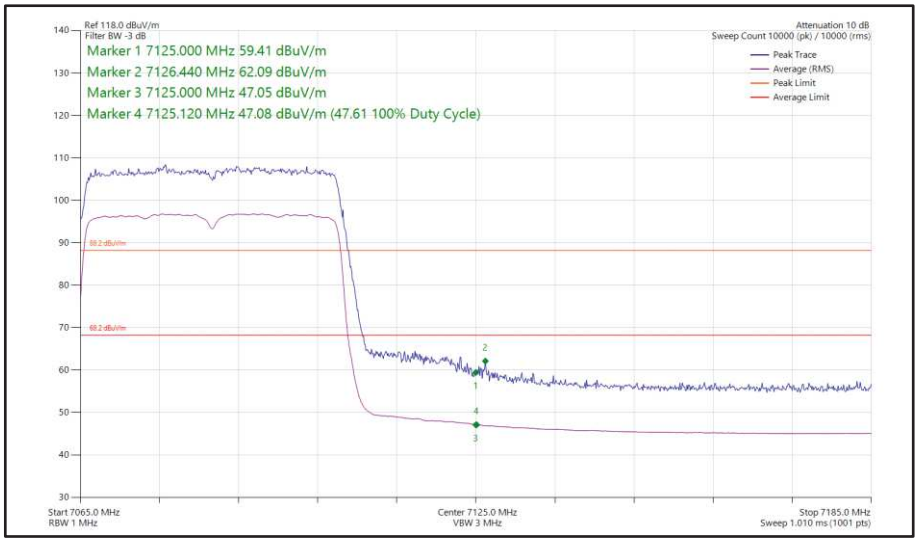

Figure 51 - 802.11ax, HE40, SU, SISO, Core 0 - 7085 MHz, Band Edge Frequency 7125 MHz

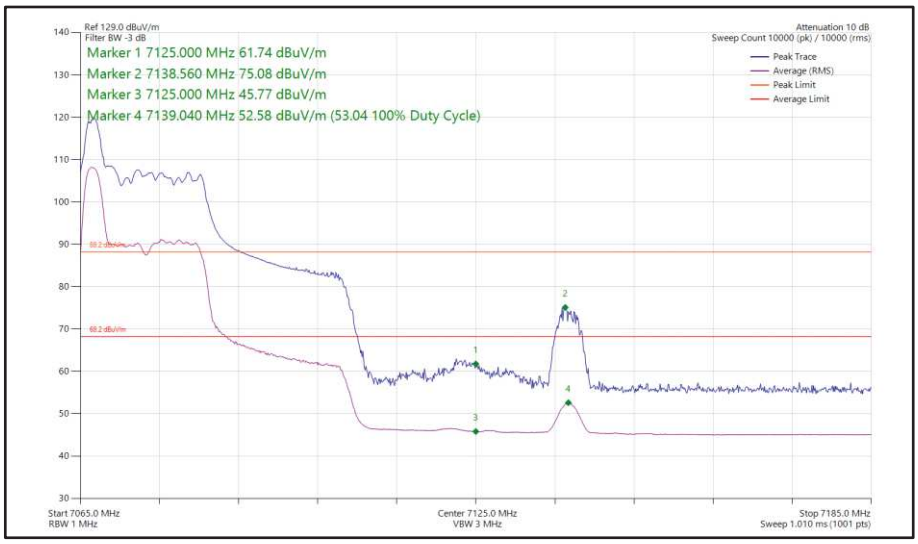

Figure 52 - 802.11ax, HE40, RU 26-0, SISO, Core 0 - 7085 MHz, Band Edge Frequency 7125 MHz

40 MHz Bandwidth - Core 1 (SISO)

Mode	Data Rate/ MCS	Resource Size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBµV/m)	Average Level (dBuV/m)
802.11ax HE40	MCS11x1	SU	-	5965	5925	63.41	48.75
802.11ax HE40	MCS11x1	26	17	5965	5925	61.66	45.56
802.11ax HE40	MCS11x1	SU	-	7085	7125	62.98	49.24
802.11ax HE40	MCS11x1	52	37	7085	7125	71.60	51.75

Table 318 - SISO Authorised Band Edge Results

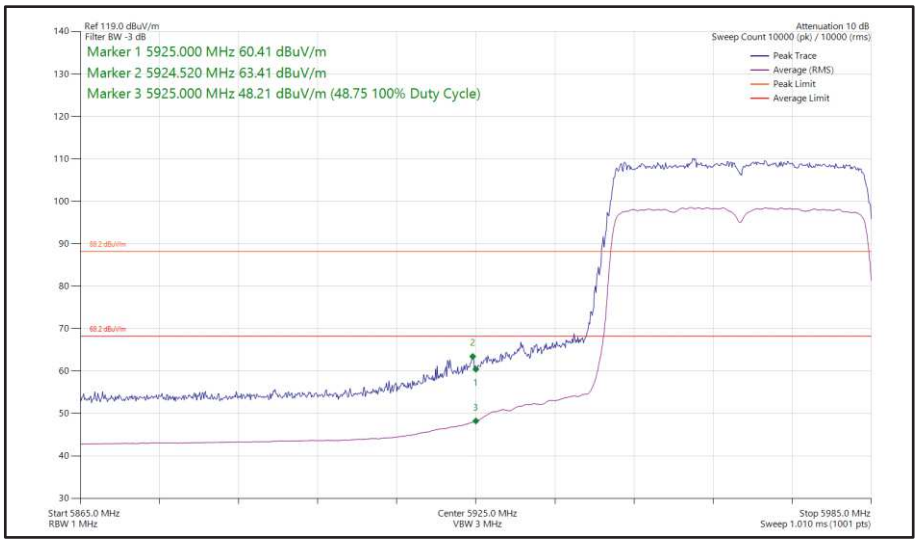

Figure 53 - 802.11ax, HE40, SU, SISO, Core 1 - 5965 MHz, Band Edge Frequency 5925 MHz

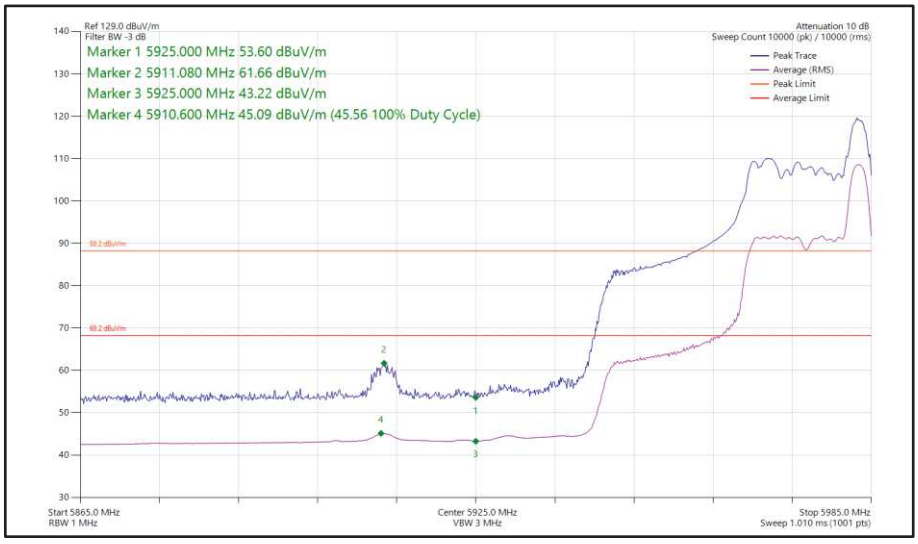

Figure 54 - 802.11ax, HE40, RU 26-17, SISO, Core 1 - 5965 MHz, Band Edge Frequency 5925 MHz

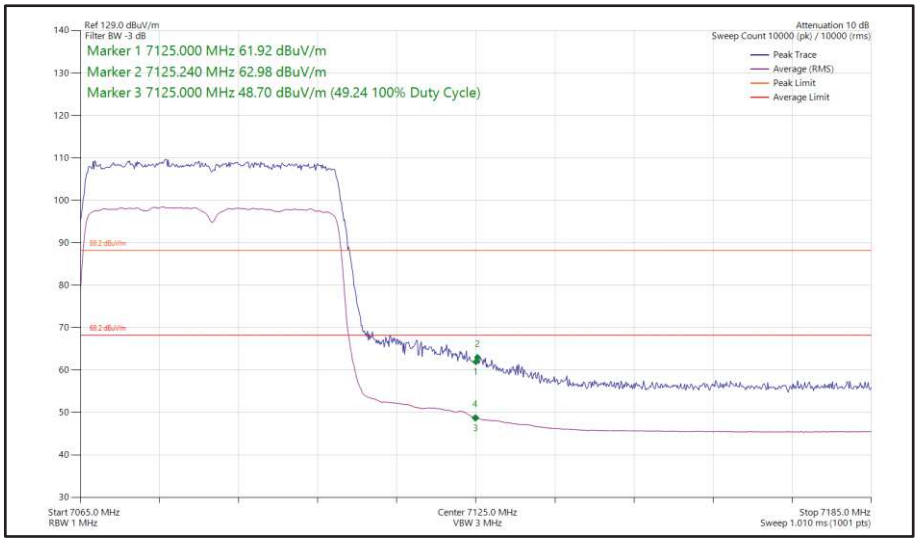

Figure 55 - 802.11ax, HE40, SU, SISO, Core 1 - 7085 MHz, Band Edge Frequency 7125 MHz

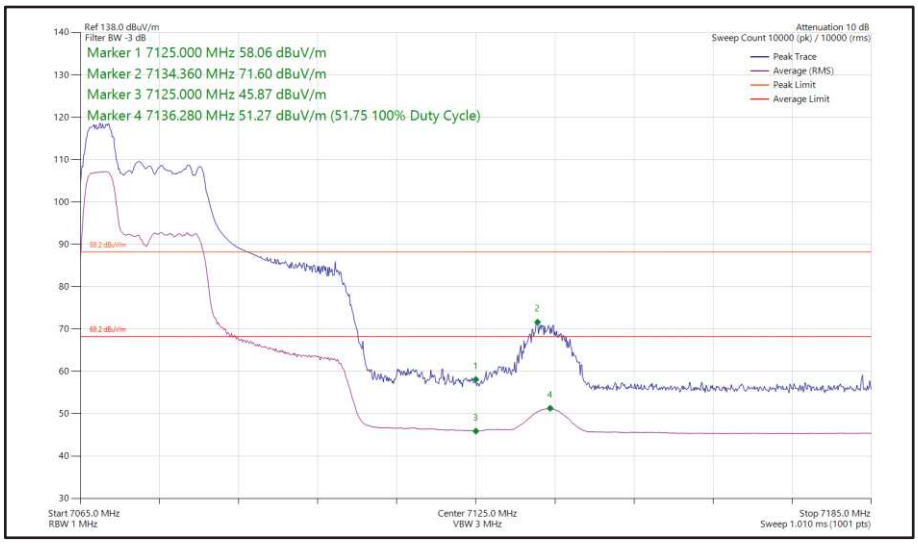

Figure 56 - 802.11ax, HE40, RU 52-37, SISO, Core 1 - 7085 MHz, Band Edge Frequency 7125 MHz

40 MHz Bandwidth - Core 0-1 (CDD)

Mode	Data Rate/ MCS	Resource Size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBµV/m)	Average Level (dBuV/m)
802.11ax HE40	MCS4x1	SU	-	5965	5925	62.61	49.63
802.11ax HE40	MCS11x1	106	56	5965	5925	59.46	45.10

Table 319 - CDD Authorised Band Edge Results

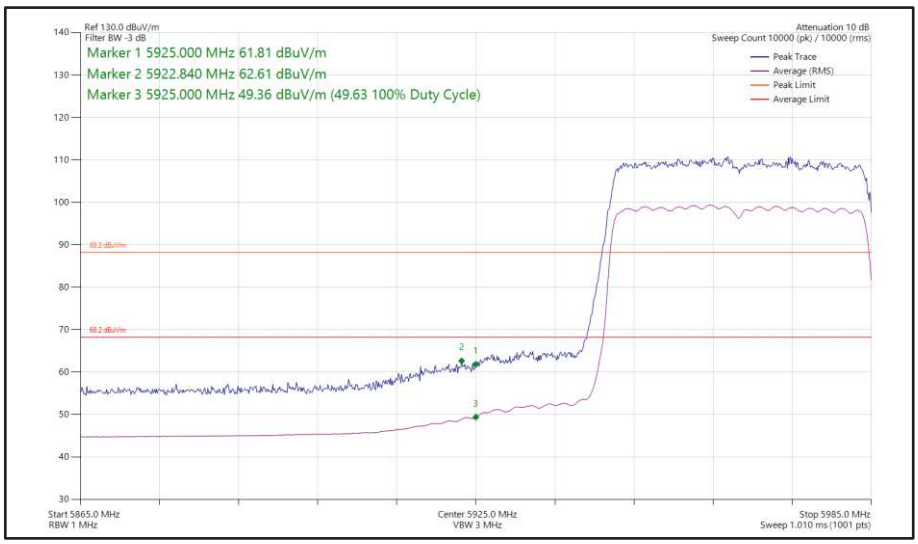

Figure 57 - 802.11ax HE40, SU, CDD, Core 0-1 - 5965 MHz, Band Edge Frequency 5925 MHz

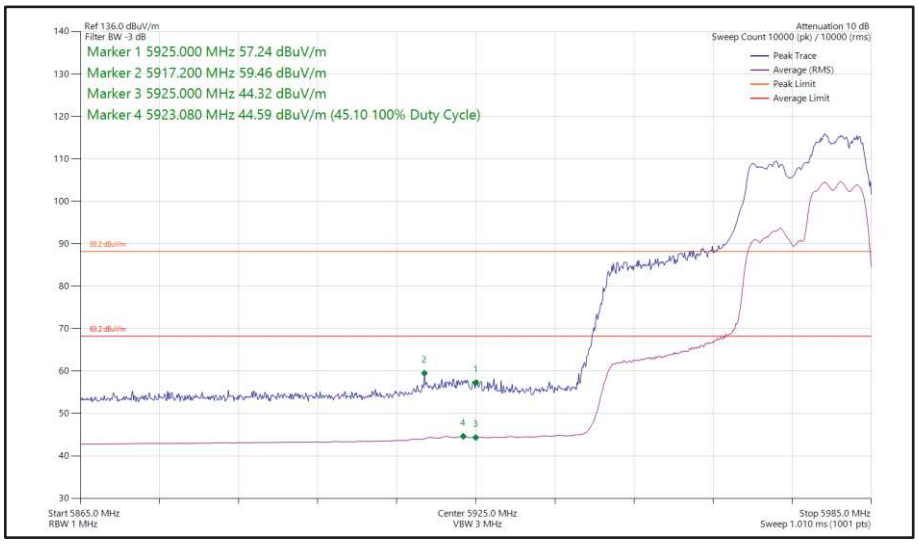

Figure 58 - 802.11ax, HE40, RU 106-56, CDD, Core 0-1 - 5965 MHz, Band Edge Frequency 5925 MHz

40 MHz Bandwidth - Core 0-1 (SDM)

Mode	Data Rate/ MCS	Resource Size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBµV/m)	Average Level (dBuV/m)
802.11ax HE40	MCS11x2	SU	-	5965	5925	63.44	48.00
802.11ax HE40	MCS11x2	26	17	5965	5925	64.05	45.79
802.11ax HE40	MCS11x2	SU	-	7085	7125	66.88	49.93
802.11ax HE40	MCS11x2	26	0	7085	7125	76.05	54.34

Table 320 - SDM Authorised Band Edge Results

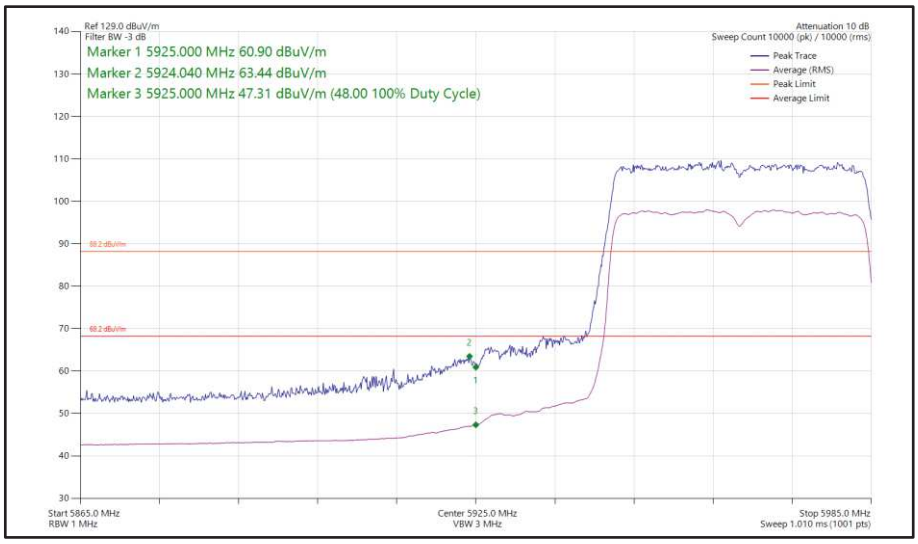

Figure 59 - 802.11ax, HE40, SU, SDM, Core 0-1 - 5965 MHz, Band Edge Frequency 5925 MHz

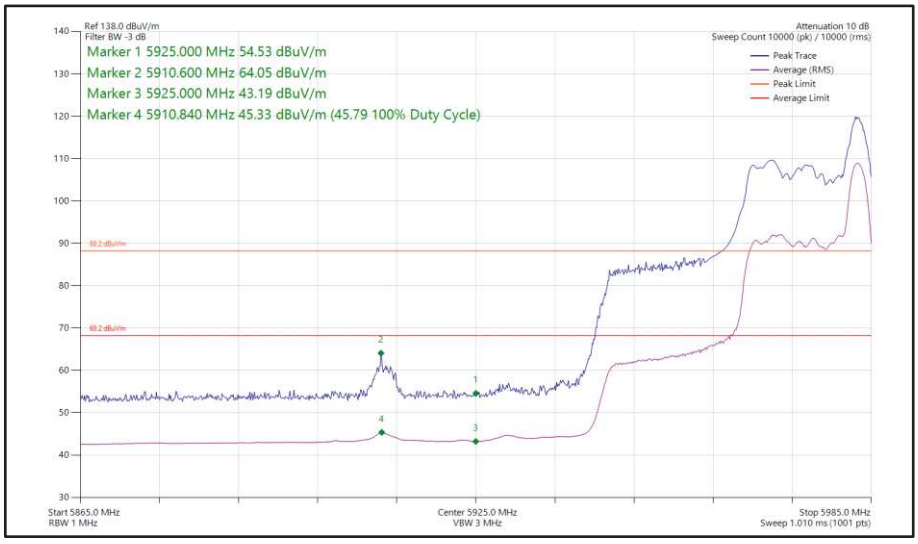

Figure 60 - 802.11ax, HE40, RU 26-17, SDM, Core 0-1 - 5965 MHz, Band Edge Frequency 5925 MHz

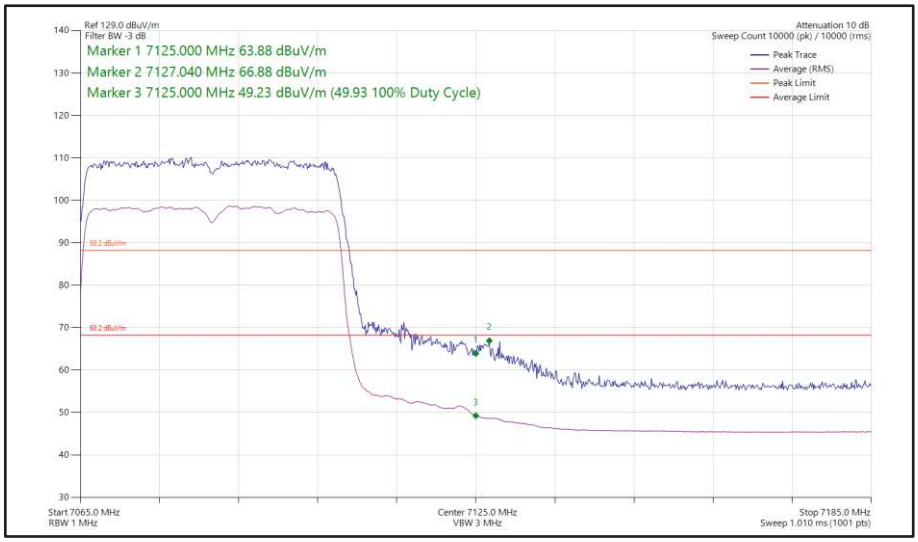

Figure 61 - 802.11ax, HE40, SU, SDM, Core 0-1 - 7085 MHz, Band Edge Frequency 7125 MHz

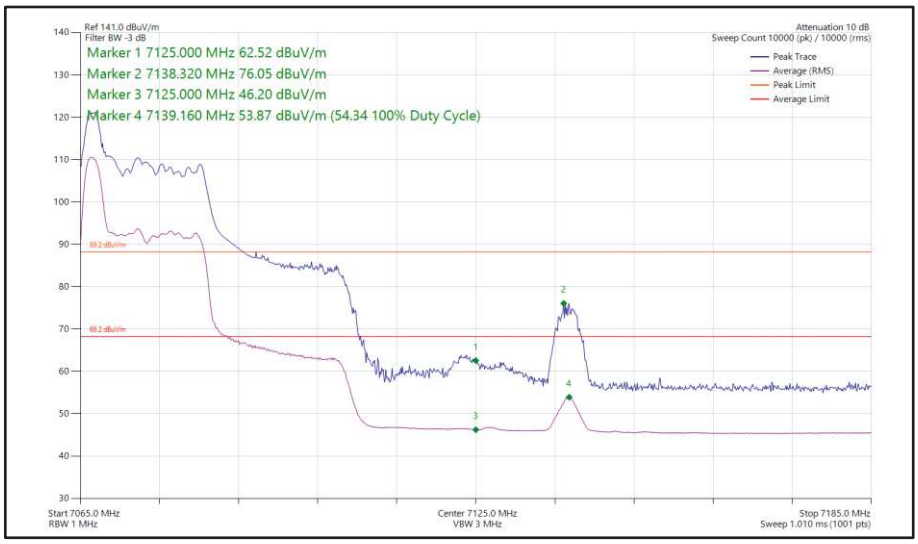

Figure 62 - 802.11ax, HE40, RU 26-0, SDM, Core 0-1 - 7085 MHz, Band Edge Frequency 7125 MHz

80 MHz Bandwidth - Core 0 (SISO)

Mode	Data Rate/ MCS	Resource Size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBµV/m)	Average Level (dBuV/m)
802.11ax HE80	MCS2x1	SU	-	5985	5925	58.79	46.94
802.11ax HE80	MCS11x1	26	36	5985	5925	64.90	46.68
802.11ax HE80	MCS11x1	SU	-	7025	7125	58.71	46.33
802.11ax HE80	MCS11x1	26	0	7025	7125	72.37	50.69

Table 321 - SISO Authorised Band Edge Results

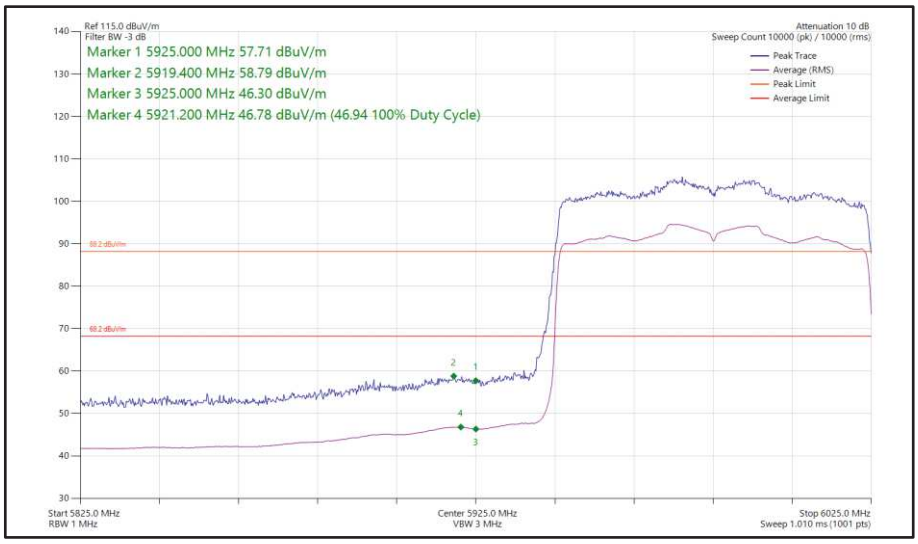

Figure 63 - 802.11ax, HE80, SU, SISO, Core 0 - 5985 MHz, Band Edge Frequency 5925 MHz

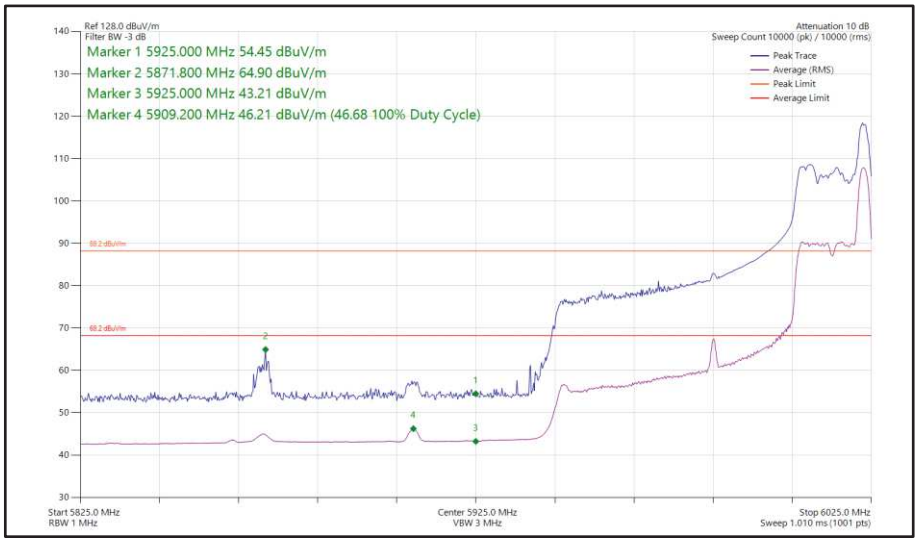

Figure 64 - 802.11ax, HE80, RU 26-36, SISO, Core 0 - 5985 MHz, Band Edge Frequency 5925 MHz

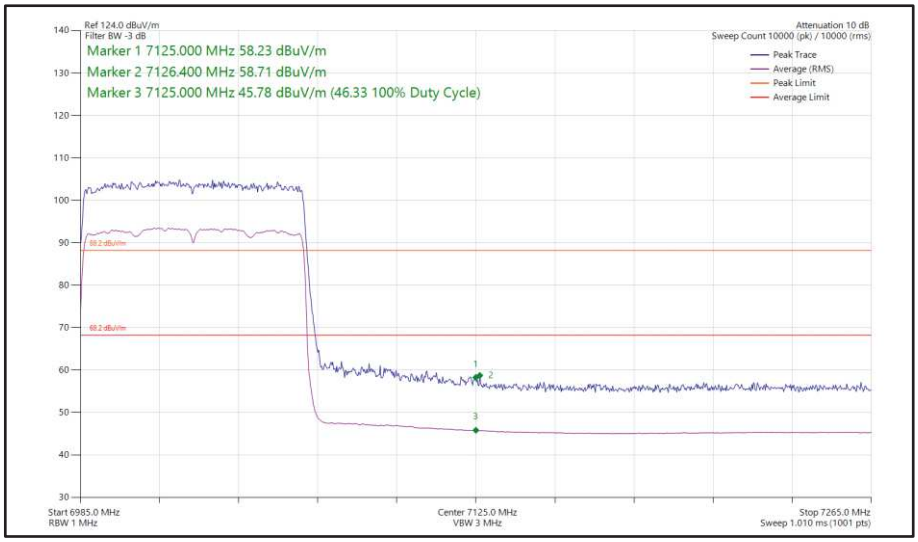

Figure 65 - 802.11ax, HE80, SU, SISO, Core 0 - 7025 MHz, Band Edge Frequency 7125 MHz

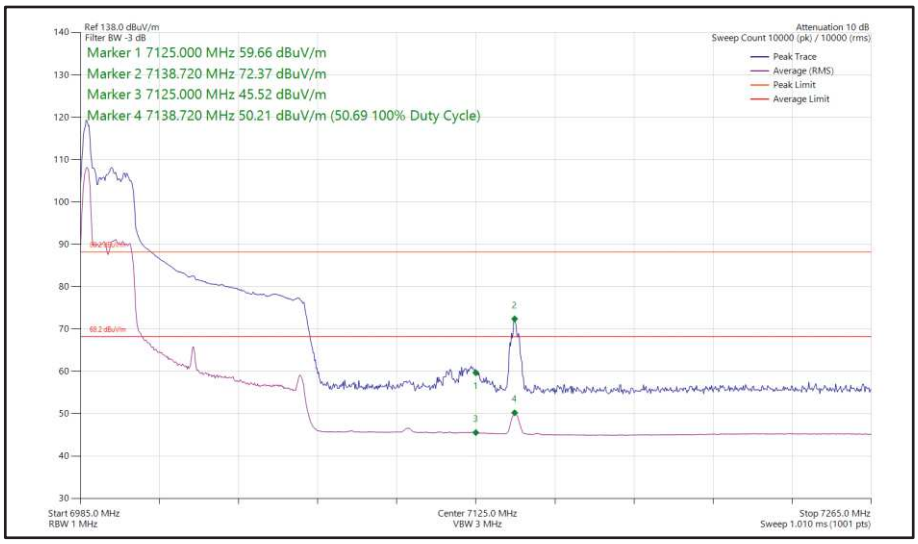

Figure 66 - 802.11ax, HE80, RU 26-0, SISO, Core 0 - 7025 MHz, Band Edge Frequency 7125 MHz

80 MHz Bandwidth - Core 1 (SISO)

Mode	Data Rate/ MCS	Resource Size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBµV/m)	Average Level (dBuV/m)
802.11ax HE80	MCS11x1	SU	-	5985	5925	62.86	48.74
802.11ax HE80	MCS11x1	26	36	5985	5925	66.67	49.17
802.11ax HE80	MCS11x1	SU	-	7025	7125	58.56	46.26
802.11ax HE80	MCS11x1	26	0	7025	7125	72.35	52.02

Table 322 - SISO Authorised Band Edge Results

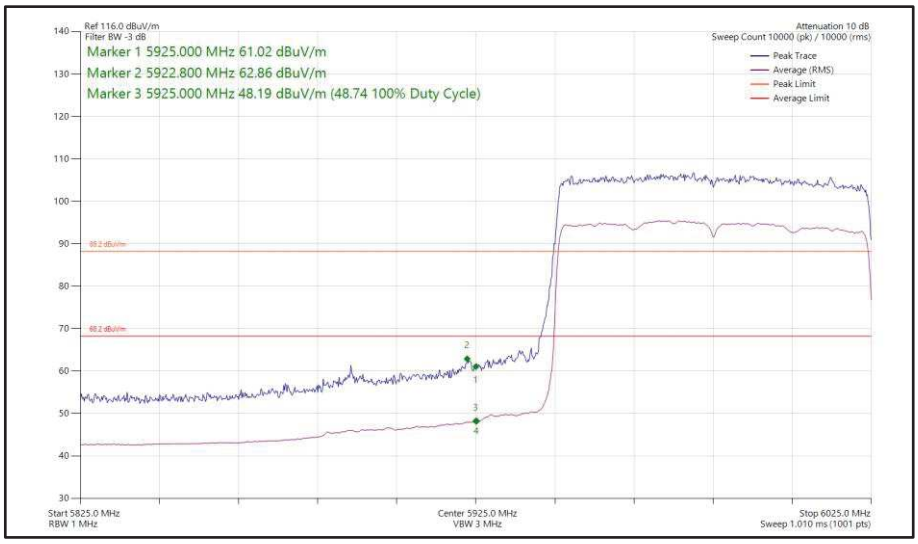

Figure 67 - 802.11ax, HE80, SU, SISO, Core 1 - 5985 MHz, Band Edge Frequency 5925 MHz

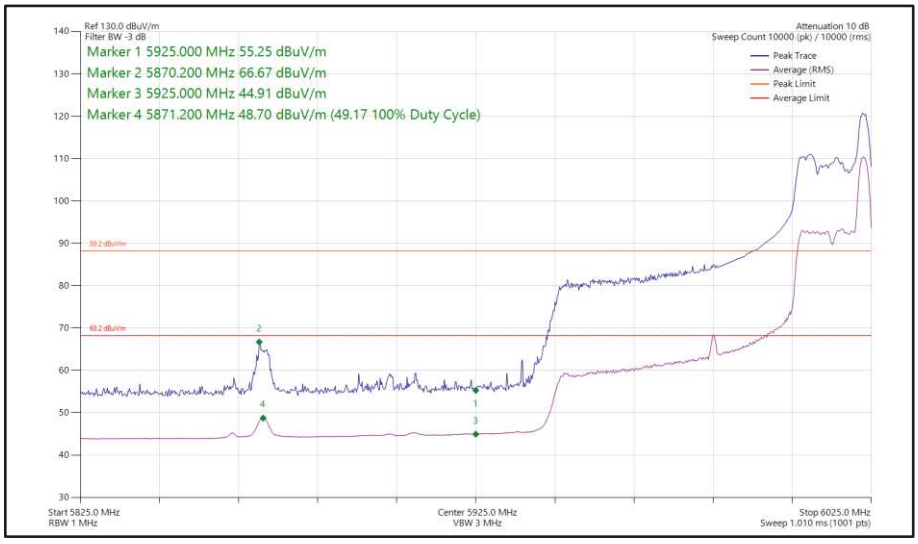

Figure 68 - 802.11ax, HE80, RU 26-36, SISO, Core 1 - 5985 MHz, Band Edge Frequency 5925 MHz

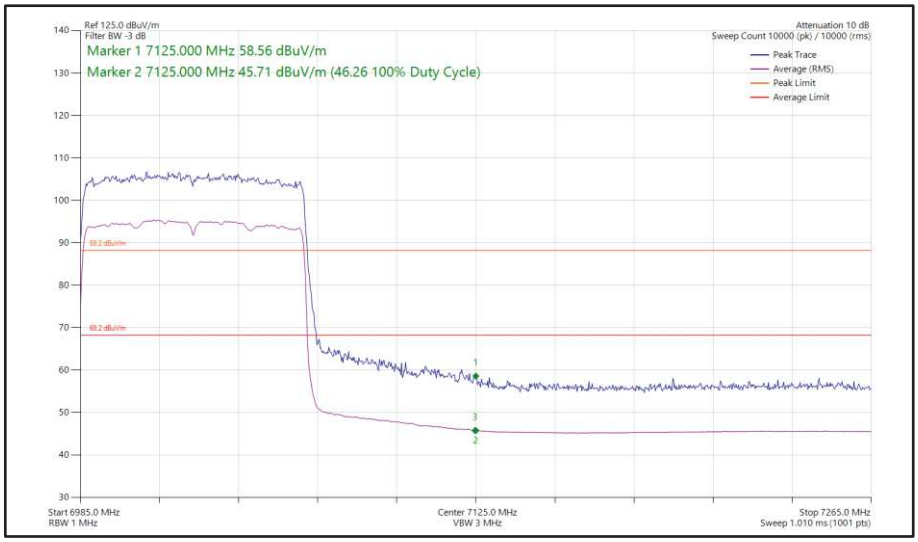

Figure 69 - 802.11ax, HE80, SU, SISO, Core 1 - 7025 MHz, Band Edge Frequency 7125 MHz

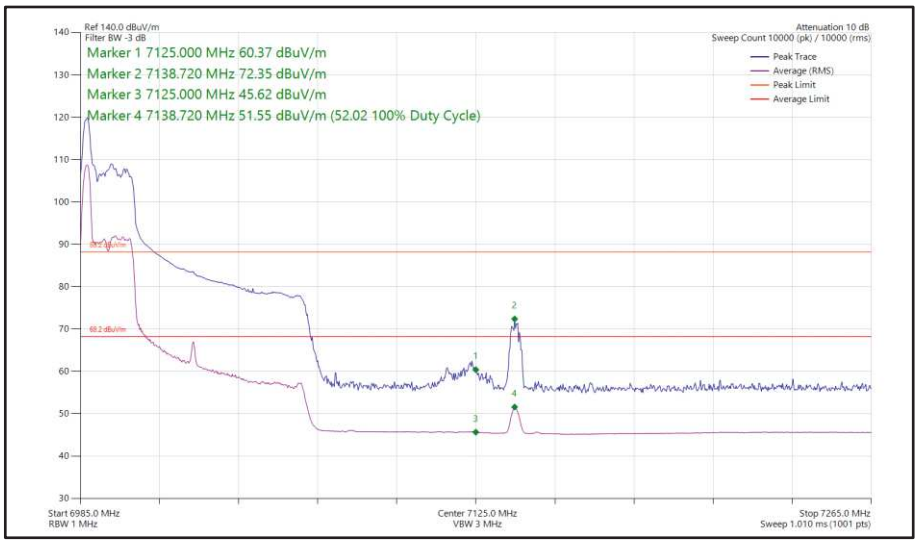

Figure 70 - 802.11ax, HE80, RU 26-0, SISO, Core 1 - 7025 MHz, Band Edge Frequency 7125 MHz

80 MHz Bandwidth - Core 0-1 (CDD)

Mode	Data Rate/ MCS	Resource Size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBµV/m)	Average Level (dBuV/m)
802.11ax HE80	MCS2x1	SU	-	5985	5925	63.69	50.30
802.11ax HE80	MCS11x1	SU	-	7025	7125	58.41	46.73

Table 323 - CDD Authorised Band Edge Results

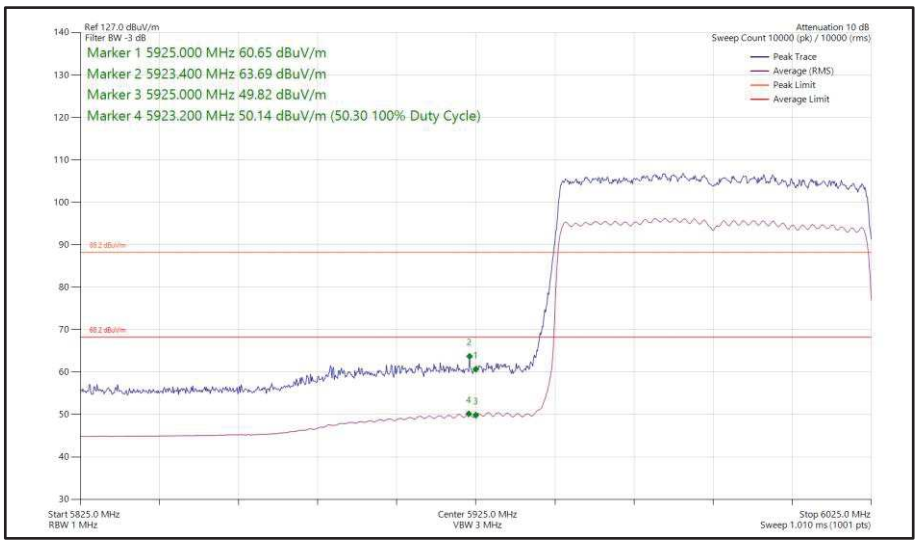

Figure 71 - 802.11ax, HE80, SU, CDD, Core 0-1 - 5985 MHz, Band Edge Frequency 5925 MHz

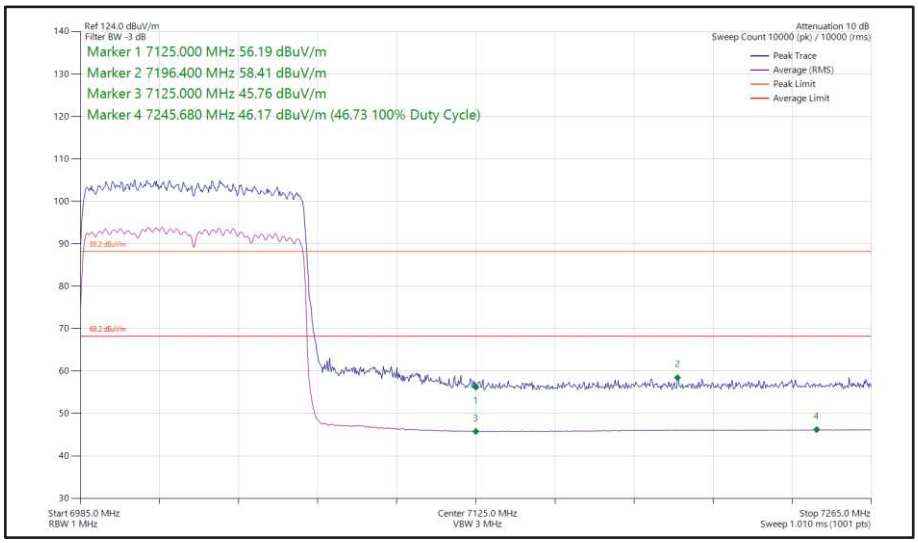

Figure 72 - 802.11ax, HE80, SU, CDD, Core 0-1 - 7025 MHz, Band Edge Frequency 7125 MHz

80 MHz Bandwidth - Core 0-1 (SDM)

Mode	Data Rate/ MCS	Resource Size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBµV/m)	Average Level (dBuV/m)
802.11ax HE80	MCS4x2	SU	-	5985	5925	60.17	47.99
802.11ax HE80	MCS11x2	26	0	5985	5925	66.73	49.96
802.11ax HE80	MCS11x2	SU	-	7025	7125	57.87	46.46
802.11ax HE80	MCS11x2	26	0	7025	7125	72.77	52.30

Table 324 - SDM Authorised Band Edge Results

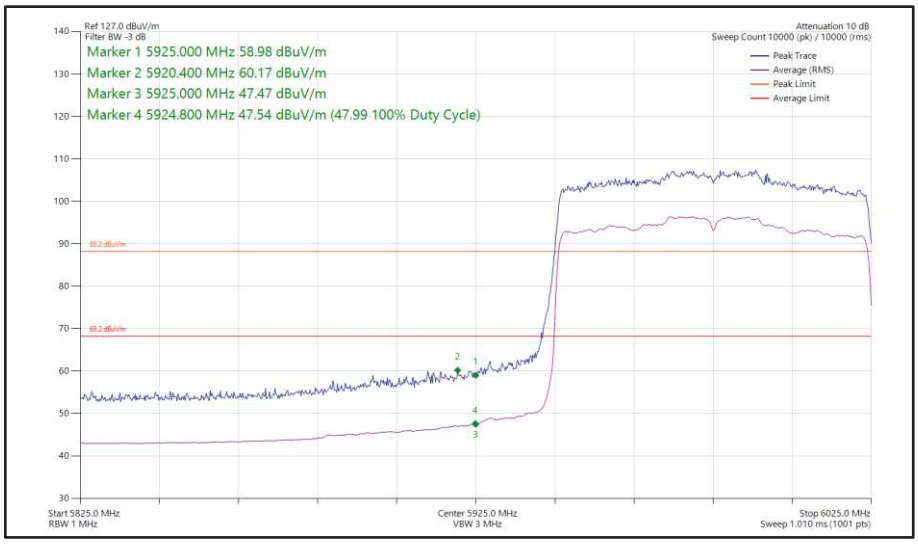

Figure 73 - 802.11ax, HE80, SU, SDM, Core 0-1 - 5985 MHz, Band Edge Frequency 5925 MHz

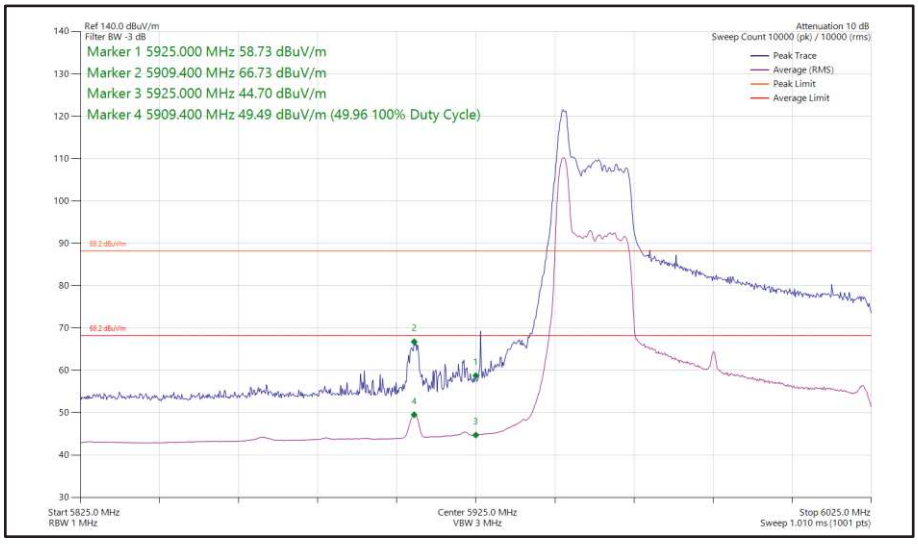

Figure 74 - 802.11ax, HE80, RU 26-0, SDM, Core 0-1 - 5985 MHz, Band Edge Frequency 5925 MHz

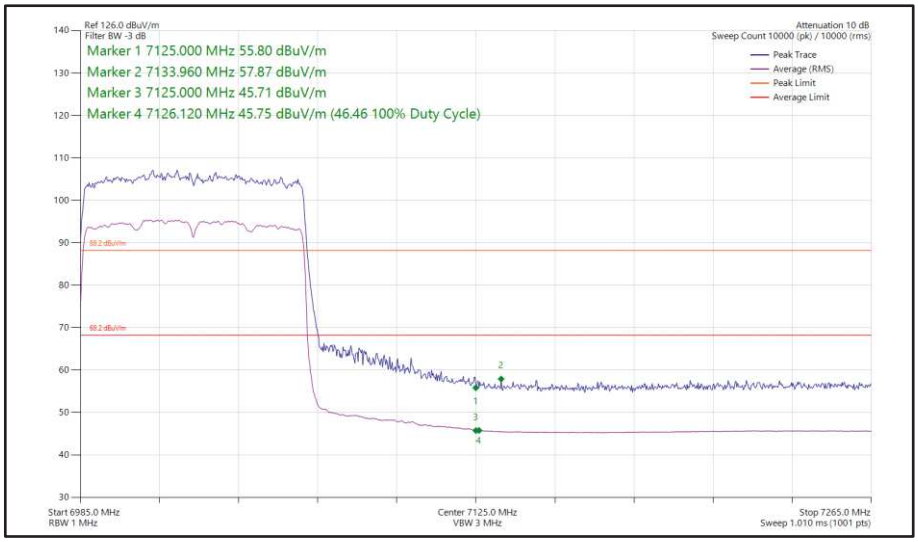

Figure 75 - 802.11ax, HE80, SU, SDM, Core 0-1 - 7025 MHz, Band Edge Frequency 7125 MHz

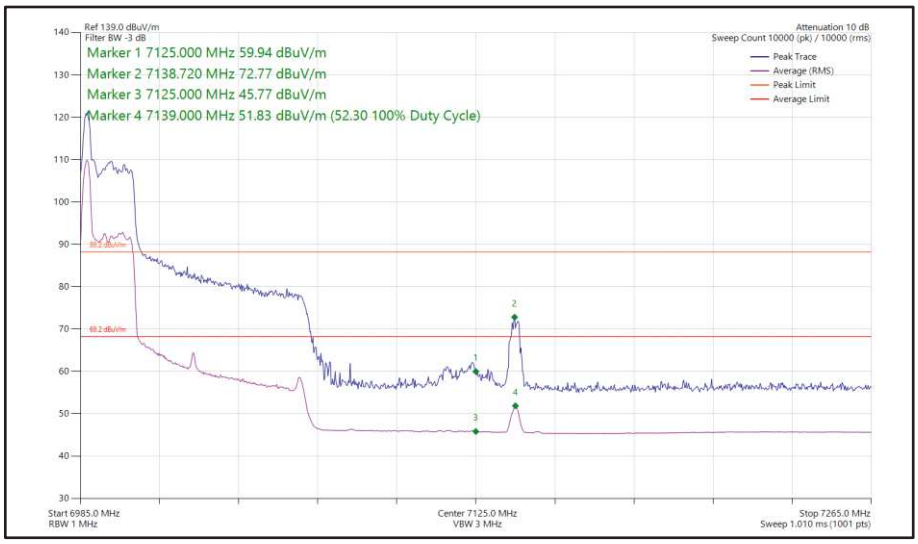

Figure 76 - 802.11ax, HE80, RU 26-0, SDM, Core 0-1 - 7025 MHz, Band Edge Frequency 7125 MHz

80 MHz Bandwidth - Core 0-1 (TxBF)

Mode	Data Rate/ MCS	Resource Size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBµV/m)	Average Level (dBuV/m)
802.11ax HE80	MCS11x1	SU	-	5985	5925	62.89	49.45
802.11ax HE80	MCS4x1	SU	-	7025	7125	60.79	47.07

Table 325 - TxBF Authorised Band Edge Results

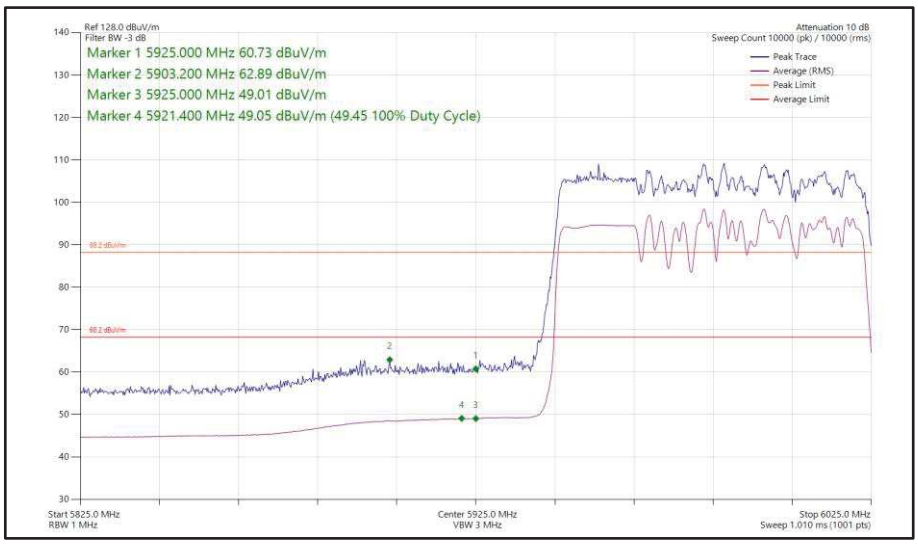

Figure 77 - 802.11ax, HE80, SU, TxBF, Core 0-1 - 5985 MHz, Band Edge Frequency 5925 MHz

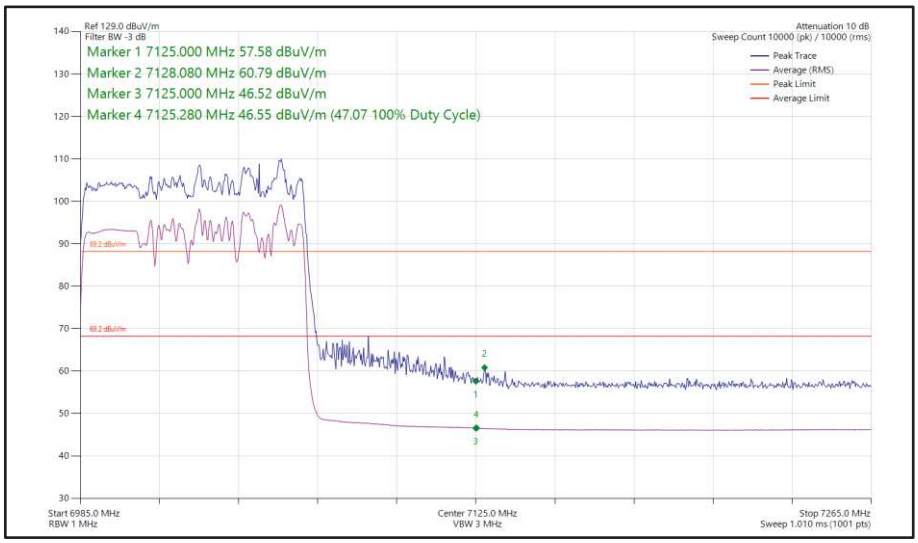

Figure 78 - 802.11ax, HE80, SU, TxBF, Core 0-1 - 7025 MHz, Band Edge Frequency 7125 MHz

160 MHz Bandwidth - Core 0 (SISO)

Mode	Data Rate/ MCS	Resource Size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBµV/m)	Average Level (dBuV/m)
802.11ax HE160	MCS11x1	SU	-	6025	5925	63.76	50.39
802.11ax HE160	MCS11x1	26	0	6025	5925	64.62	46.70
802.11ax HE160	MCS11x1	SU	-	6985	7125	63.74	49.80
802.11ax HE160	MCS11x1	26	36	6985	7125	66.80	51.72

Table 326 - SISO Authorised Band Edge Results

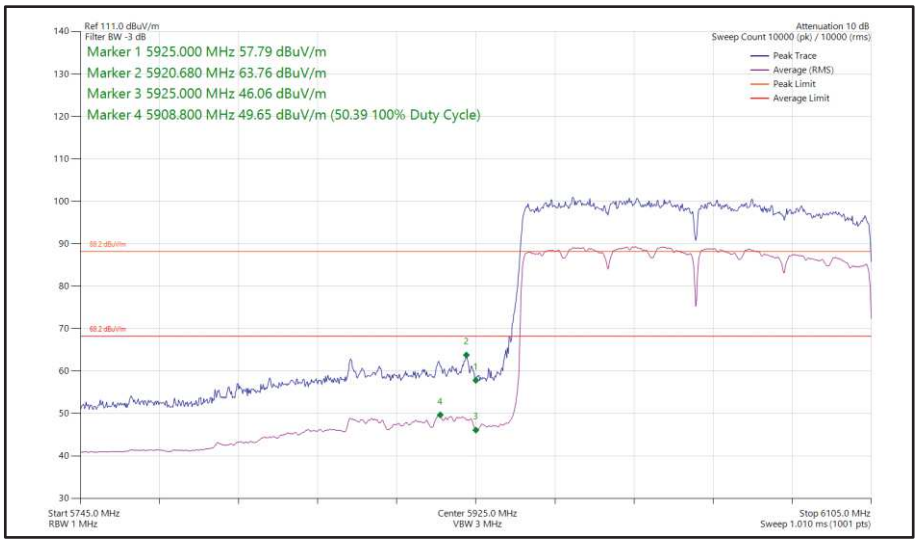

Figure 79 - 802.11ax, HE160, SU, SISO, Core 0 - 6025 MHz, Band Edge Frequency 5925 MHz

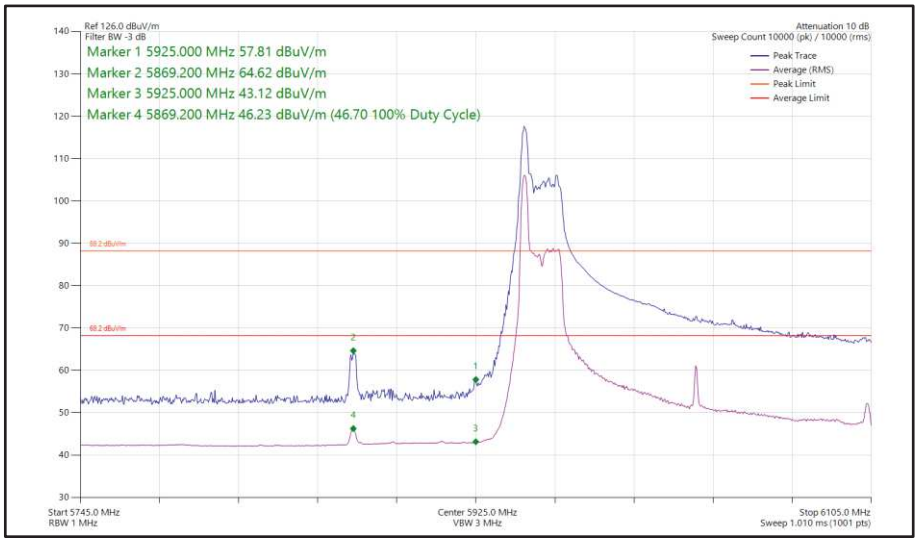

Figure 80 - 802.11ax, HE160, RU 26-0, SISO, Core 0 - 6025 MHz, Band Edge Frequency 5925 MHz

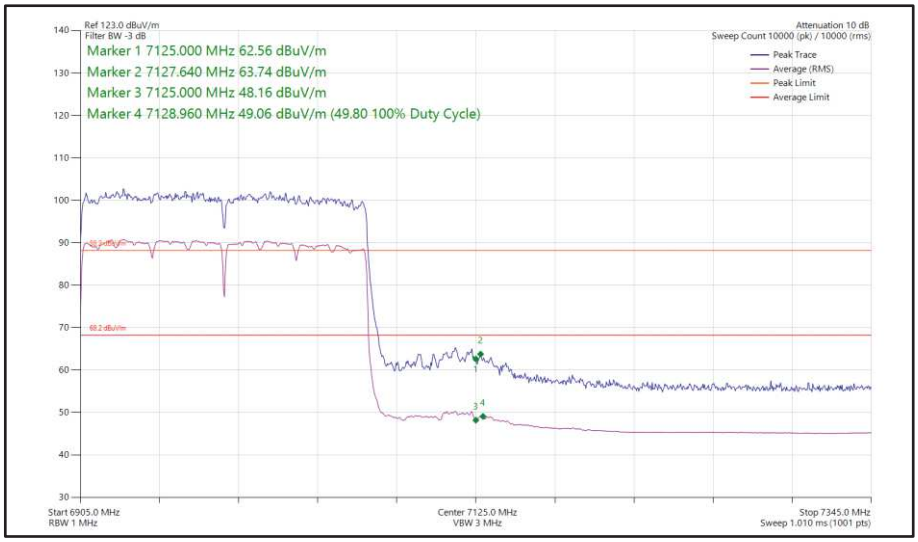

Figure 81 - 802.11ax, HE160, SU, SISO, Core 0 - 6985 MHz, Band Edge Frequency 7125 MHz

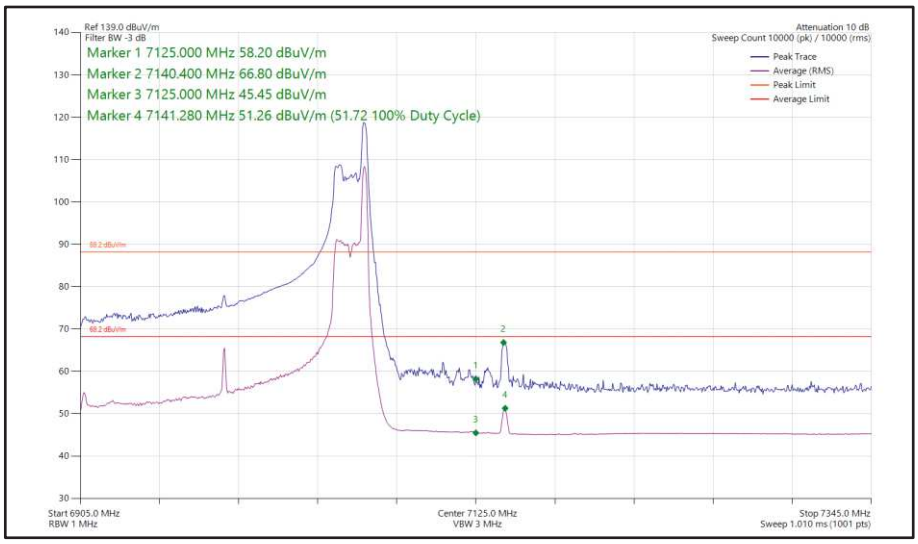

Figure 82 - 802.11ax, HE160, RU 26-36, SISO, Core 0 - 6985 MHz, Band Edge Frequency 7125 MHz

160 MHz Bandwidth - Core 1 (SISO)

Mode	Data Rate/ MCS	Resource Size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBµV/m)	Average Level (dBuV/m)
802.11ax HE160	MCS11x1	SU	-	6025	5925	63.73	50.72
802.11ax HE160	MCS11x1	26	0	6025	5925	63.34	47.71
802.11ax HE160	MCS11x1	SU	-	6985	7125	64.61	50.50
802.11ax HE160	MCS11x1	26	36	6985	7125	61.33	47.32

Table 327 - SISO Authorised Band Edge Results

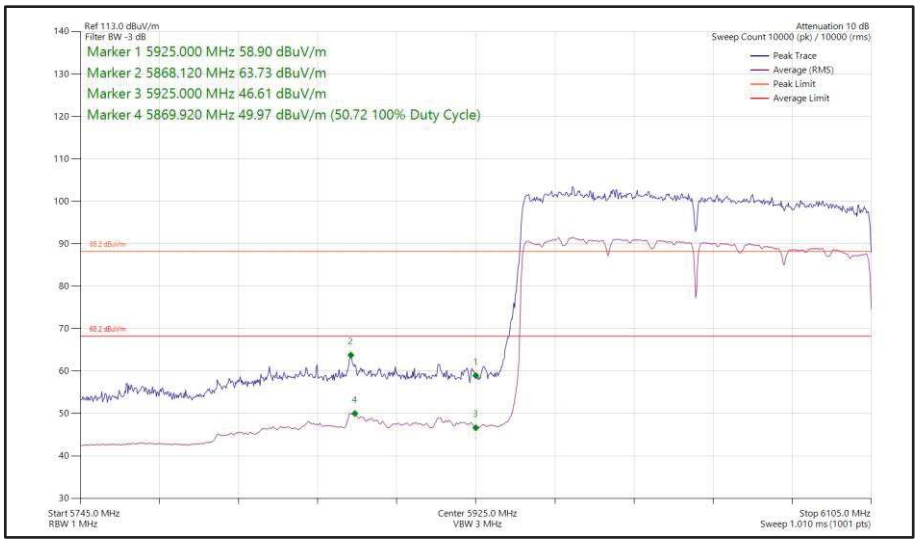

Figure 83 - 802.11ax, HE160, SU, SISO, Core 1 - 6025 MHz, Band Edge Frequency 5925 MHz

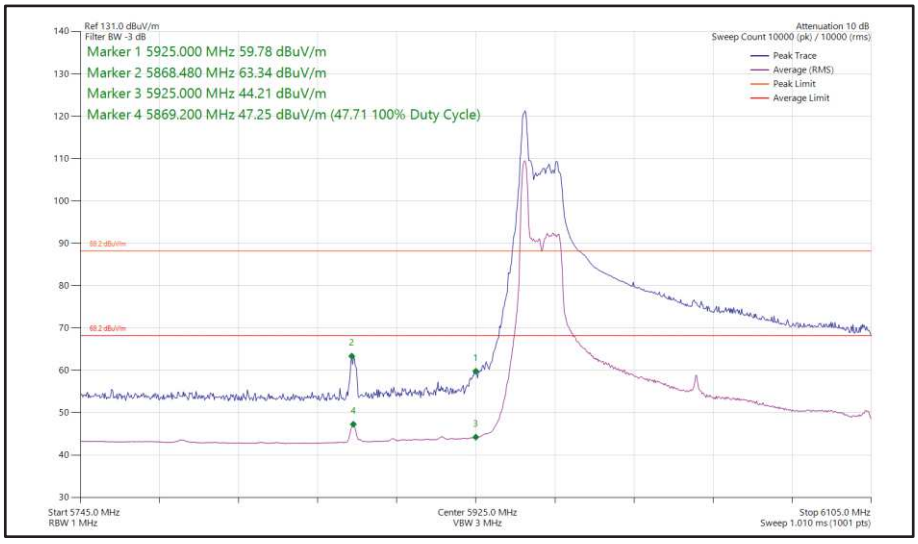

Figure 84 - 802.11ax, HE160, RU 26-0, SISO, Core 1 - 6025 MHz, Band Edge Frequency 5925 MHz

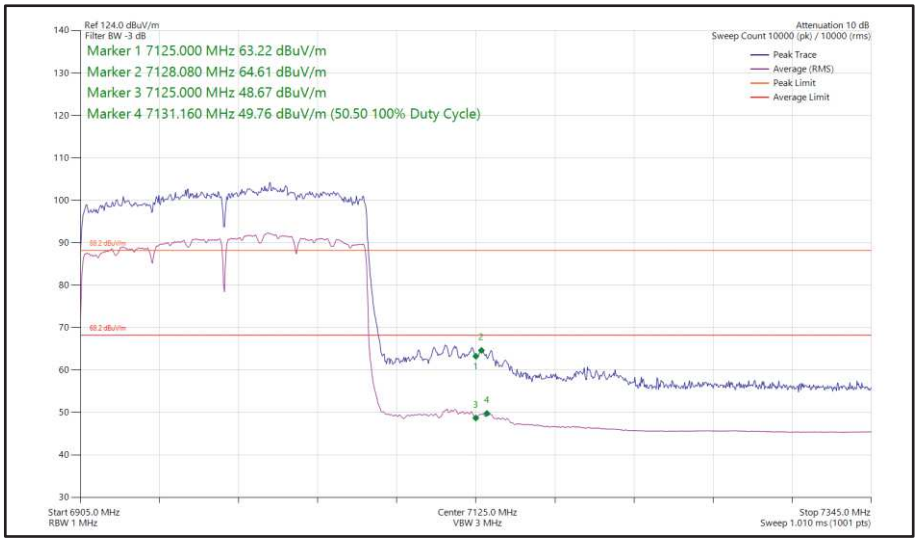

Figure 85 - 802.11ax, HE160, SU, SISO, Core 1 - 6985 MHz, Band Edge Frequency 7125 MHz

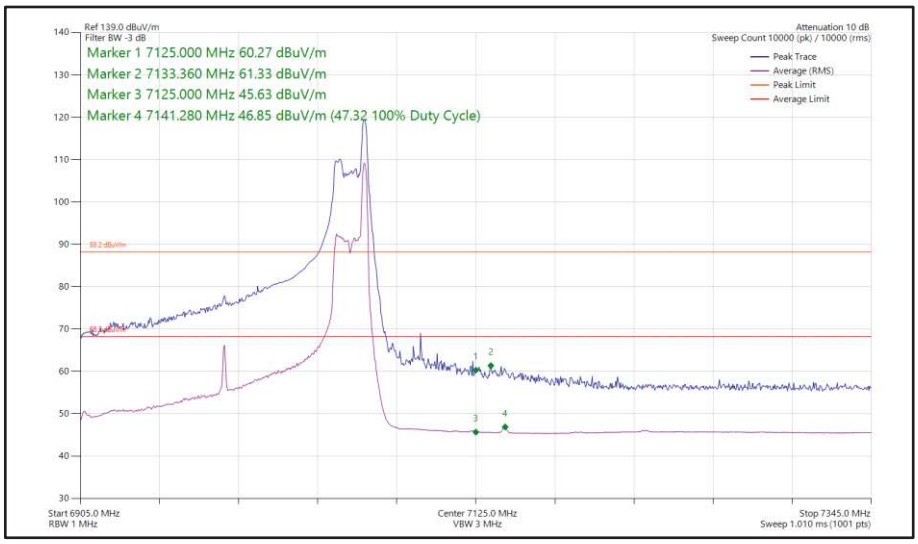

Figure 86 - 802.11ax, HE160, RU 26-36, SISO, Core 1 - 6985 MHz, Band Edge Frequency 7125 MHz

160 MHz Bandwidth - Core 0-1 (CDD)

Mode	Data Rate/ MCS	Resource Size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBµV/m)	Average Level (dBuV/m)
802.11ax HE160	MCS11x1	SU	-	6025	5925	67.56	54.16
802.11ax HE160	MCS11x1	SU	-	6985	7125	65.43	51.02

Table 328 - CDD Authorised Band Edge Results

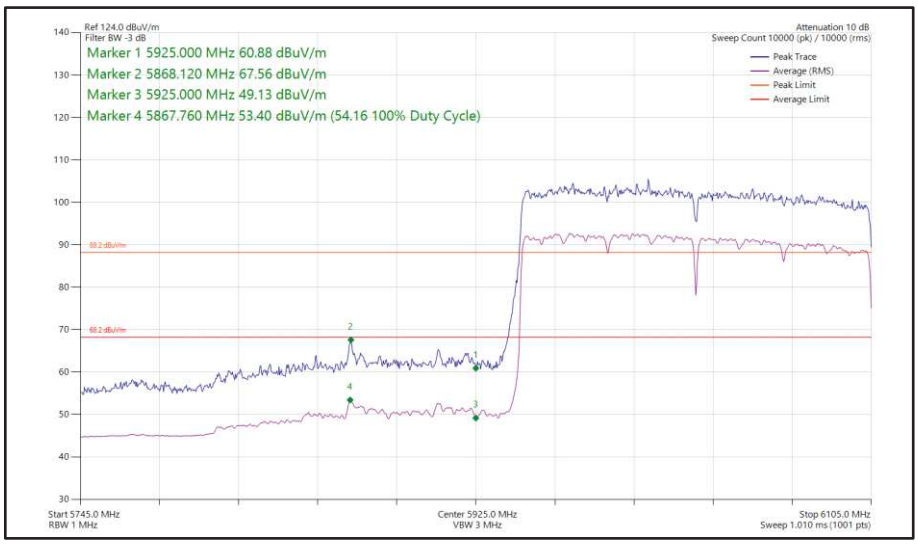

Figure 87 - 802.11ax, HE160, SU, CDD, Core 0-1 - 6025 MHz, Band Edge Frequency 5925 MHz

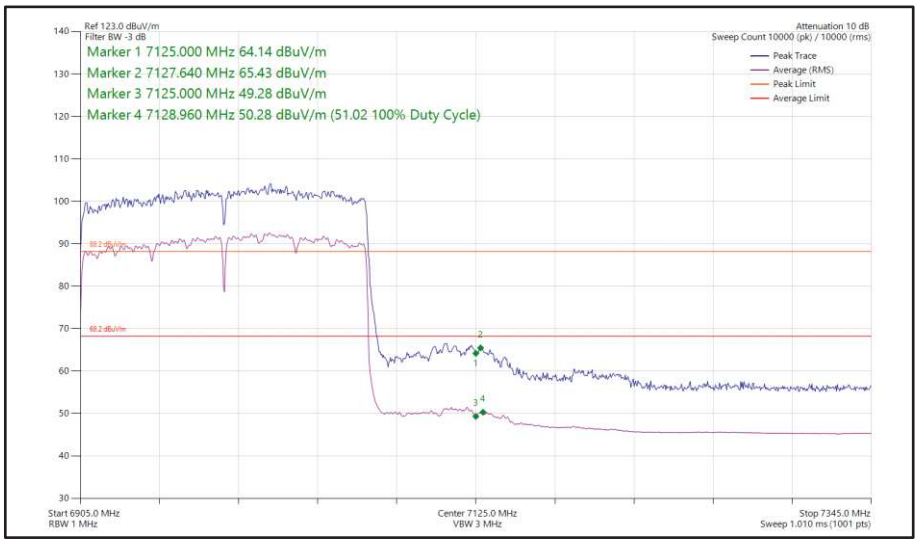

Figure 88 - 802.11ax, HE160, SU, CDD, Core 0-1 - 6985 MHz, Band Edge Frequency 7125 MHz

160 MHz Bandwidth - Core 0-1 (SDM)

Mode	Data Rate/ MCS	Resource Size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBµV/m)	Average Level (dBuV/m)
802.11ax HE160	MCS11x2	SU	-	6025	5925	61.82	50.50
802.11ax HE160	MCS11x2	26	0	6025	5925	66.60	49.87
802.11ax HE160	MCS11x2	SU	-	6985	7125	66.38	53.32
802.11ax HE160	MCS11x2	26	36	6985	7125	66.84	50.85

Table 329 - SDM Authorised Band Edge Results

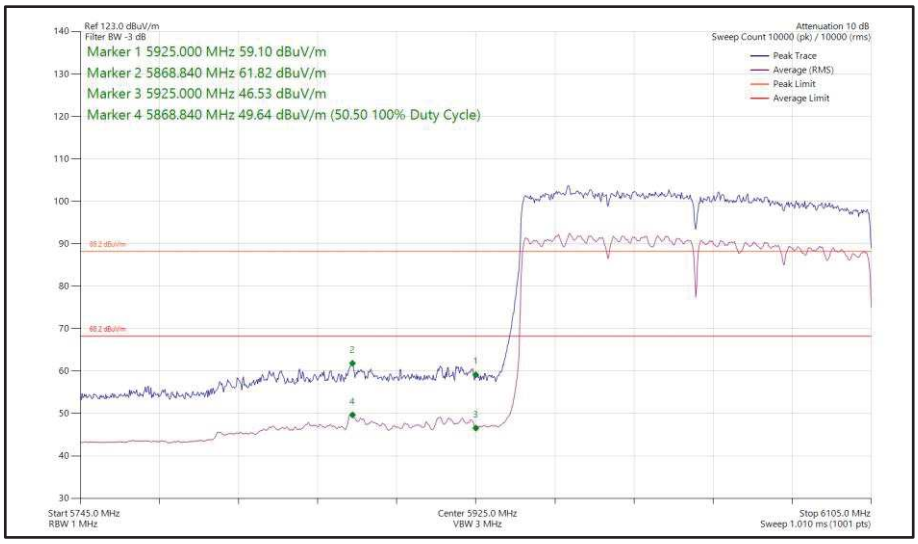

Figure 89 - 802.11ax, HE160, SU, SDM, Core 0-1 - 6025 MHz, Band Edge Frequency 5925 MHz

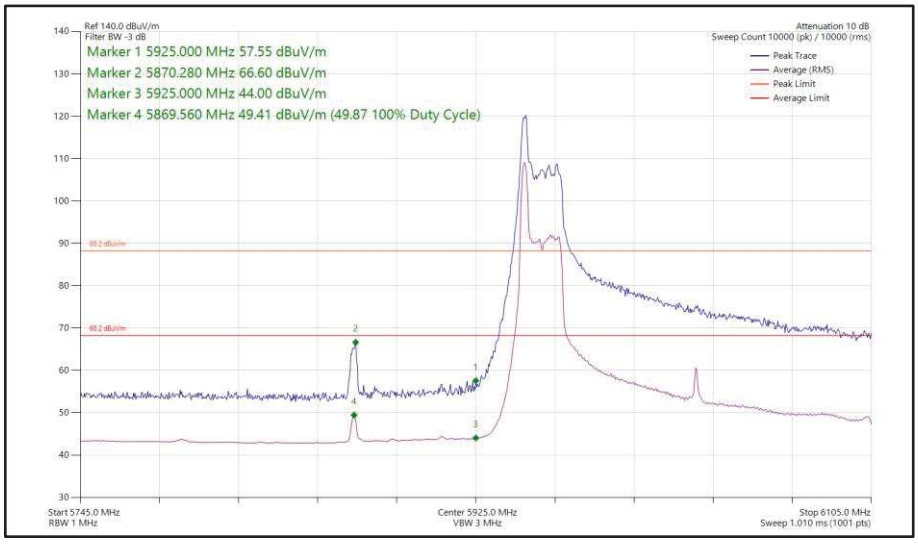

Figure 90 - 802.11ax, HE160, RU 26-0, SDM, Core 0-1 - 6025 MHz, Band Edge Frequency 5925 MHz

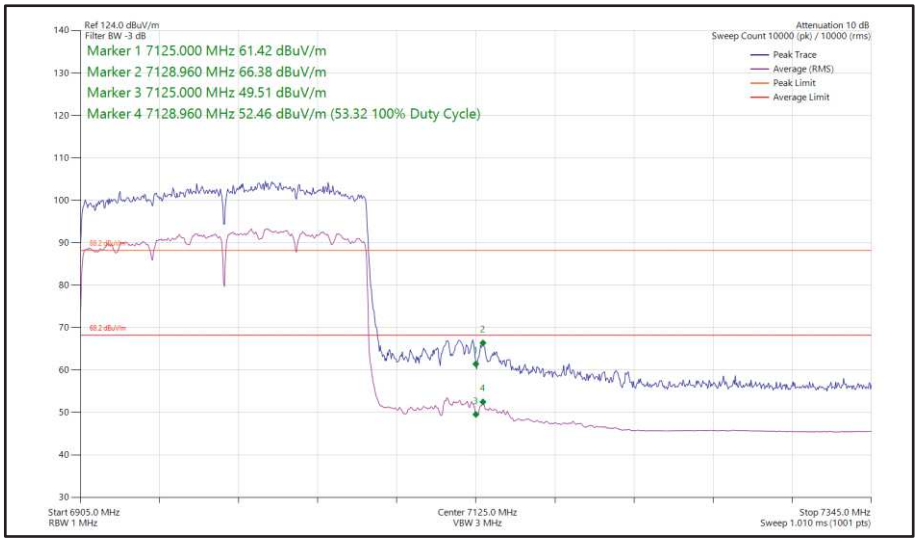

Figure 91 - 802.11ax, HE160, SU, SDM, Core 0-1 - 6985 MHz, Band Edge Frequency 7125 MHz

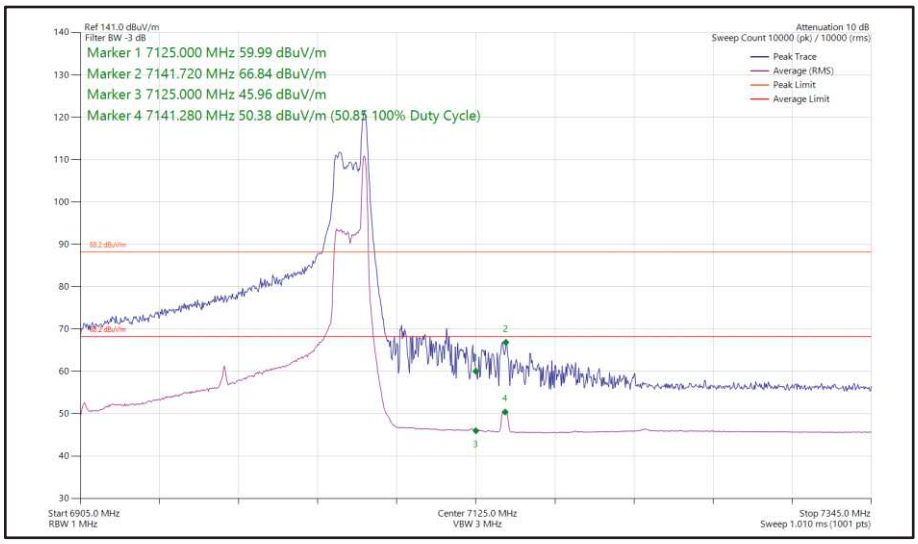

Figure 92 - 802.11ax, HE160, RU 26-36, SDM, Core 0-1 - 6985 MHz, Band Edge Frequency 7125 MHz

FCC 47 CFR Part 15E, Limit Clause 15.407(b)(1)(2)(3)(4)

For transmitters operating within the 5.925–7.125 GHz band: Any emissions outside of the 5.925–7.125 GHz band must not exceed an e.i.r.p. of -27 dBm.

ISED RSS-248, Limit Clause 4.6.2(a)

Any emissions outside of the 5925-7125 MHz band shall not exceed –27 dBm/MHz e.i.r.p.

2.4.7 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	TUV SUD	EmX V3.1.10	5125	-	Software
EMI Test Receiver	Rohde & Schwarz	ESW44	5914	12	24-Feb-2024
1500W (300V 12A) AC Power Supply	iTech	IT7324	5956	-	O/P Mon
5m Semi-Anechoic Chamber (Dual-Axis)	Albatross Projects	RF Chamber 14	5958	36	26-Apr-2025
Mast & Turntable Controller	Maturo Gmbh	FCU3.0	5960	-	TU
Tilt Antenna Mast	Maturo Gmbh	BAM4.5-P	5961	-	TU
Turntable	Maturo Gmbh	TT1.5SI	5962	-	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
Horn Antenna (1-10 GHz)	Schwarzbeck	BBHA9120B	6141	12	21-Jun-2023
SAC Switch Unit	TUV SUD	TUV_SSU_001	6144	12	05-Dec-2023
Digital Multimeter	Fluke	115	6145	12	17-Jun-2023
Humidity & Temperature meter	R.S Components	1364	6149	12	17-Jun-2023

Table 330

TU - Traceability Unscheduled
O/P Mon – Output Monitored using calibrated equipment

2.5 Spurious Radiated Emissions

2.5.1 Specification Reference

FCC 47 CFR Part 15E, Clause 15.209 and 15.407 (b)
ISED RSS-248, Clause 4.6
ISED RSS-GEN, Clause 6.13 and 8.9

2.5.2 Equipment Under Test and Modification State

A2874, S/N: PNYQPYL91C - Modification State 0

2.5.3 Date of Test

20-March-2023 to 21-March-2023

2.5.4 Test Method

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

Tests were performed in HE20 CDD in 2TX MIMO mode, with measurements undertaken from 30 MHz to 40 GHz on channels 45 (6175 MHz), 105 (6475 MHz), 149 (6695 MHz), and 209 (6995 MHz).

For the purpose of this testing, spurious emissions were limited to 1 GHz to 40 GHz on all other test channels.

All testing was performed using the lowest data rate/modulation scheme for the applicable mode.

Plots for average measurements were taken in accordance with ANSI C63.10, clause 12.7.7.2 with max-hold trace 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.

The plots shown are the characterization of the EUT. The limits on the plots represent the most stringent case for restricted bands, (54/74 dBuV/m @ 3 m and 64/84 dBuV/m @ 1m) when compared to -27 dBm/MHz RMS EIRP and -7 dBm/MHz Peak EIRP outside restricted bands. The limits shown have been used as a threshold to determine where further measurements are necessary. Where results are within 10dB 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).

EIRP was converted to field strength at 3m using the following formula:
Field Strength (dBµV/m at 3 m) = EIRP (dBm) + 95.2 dB.

2.5.5 Test Setup Diagram

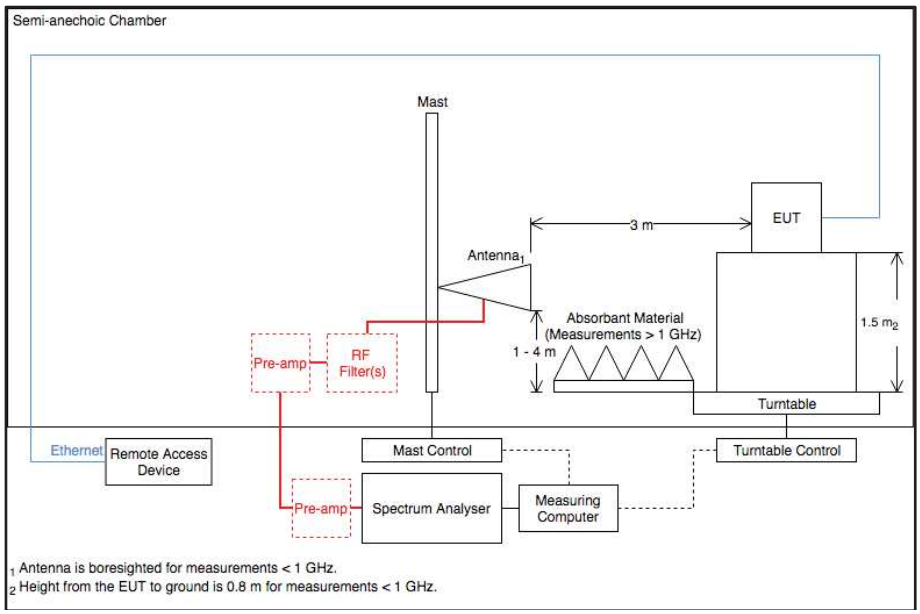

Figure 93 - Radiated Emissions Test Setup Diagram

2.5.6 Environmental Conditions

Ambient Temperature	21.5 - 22.9 °C
Relative Humidity	38.3 - 44.9 %

2.5.7 Test Results

6 GHz WLAN

Frequency (MHz)	Level (dBuv/m)	Limit (dBuv/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
130.151	29.66	43.50	-13.84	Q-Peak	331	100	Vertical
133.146	24.63	43.50	-18.87	Q-Peak	147	110	Horizontal

Table 331 - U-NII-5 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

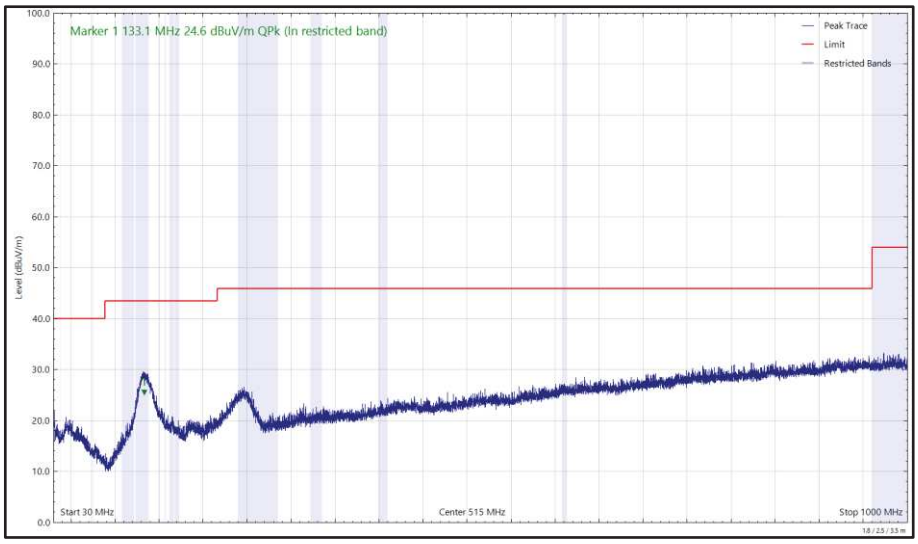

Figure 94 - U-NII-5 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

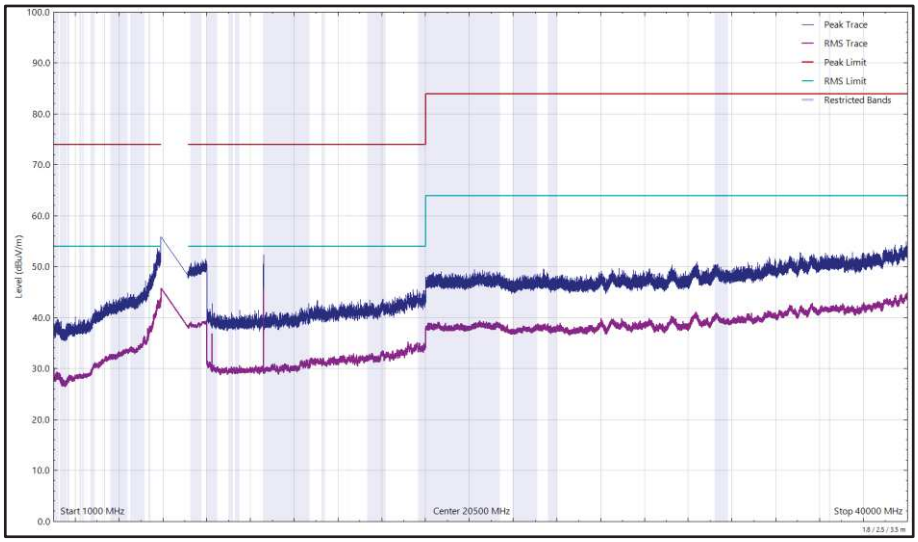

Figure 95 - U-NII-5 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

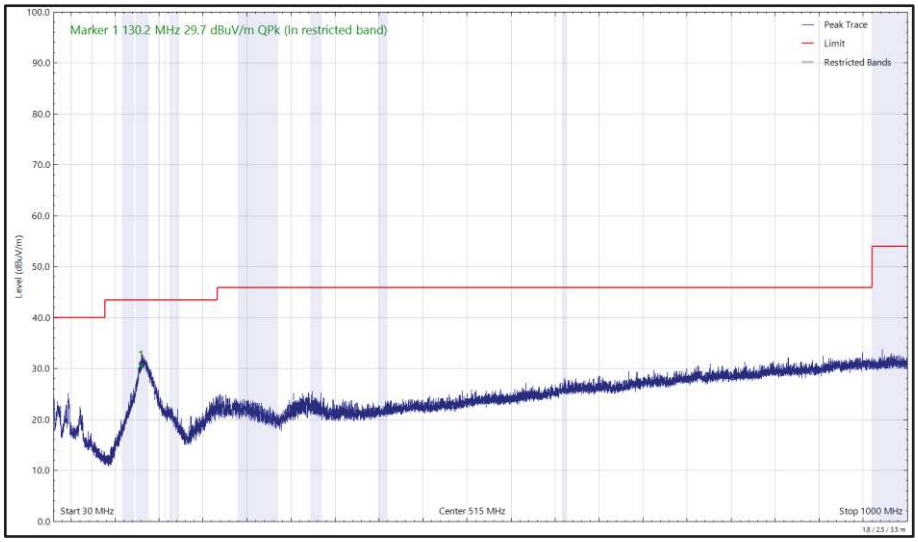

Figure 96 - U-NII-5 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

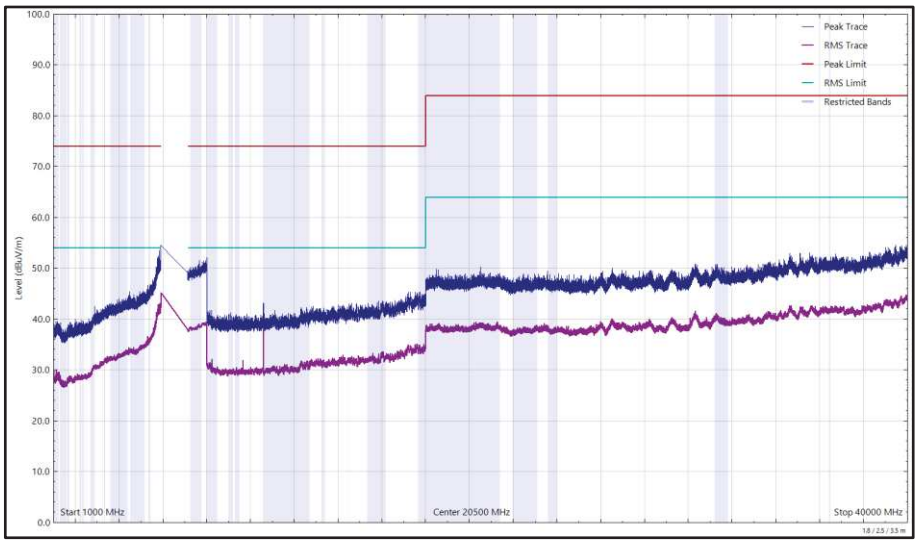

Figure 97 - U-NII-5 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBuv/m)	Limit (dBuv/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
129.828	29.52	43.50	-13.98	Q-Peak	320	103	Vertical
132.988	24.85	43.50	-18.65	Q-Peak	158	110	Horizontal

Table 332 - U-NII-6 - 6475 MHz (CH105), HE20, SU, CDD, Core 0 + Core 1, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

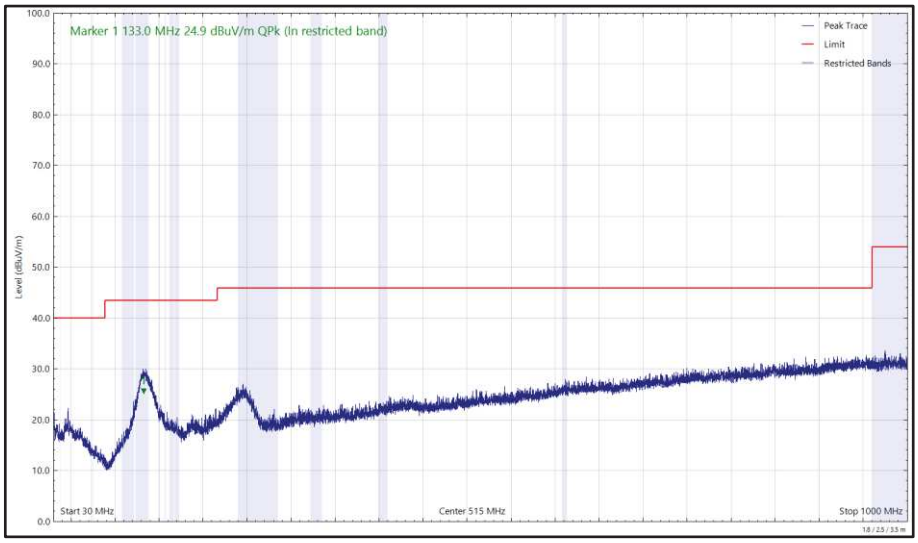

Figure 98 - U-NII-6 - 6475 MHz (CH105), HE20, SU, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

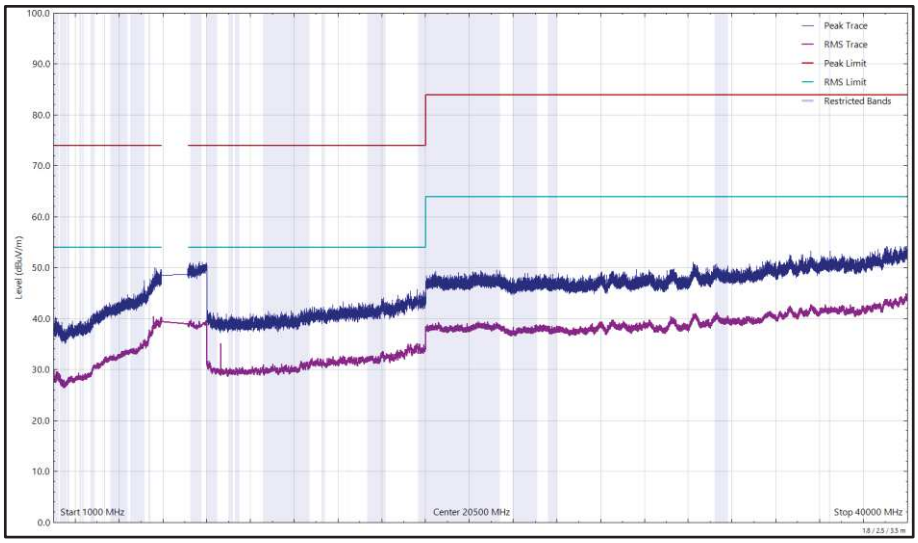

Figure 99 - U-NII-6 - 6475 MHz (CH105), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

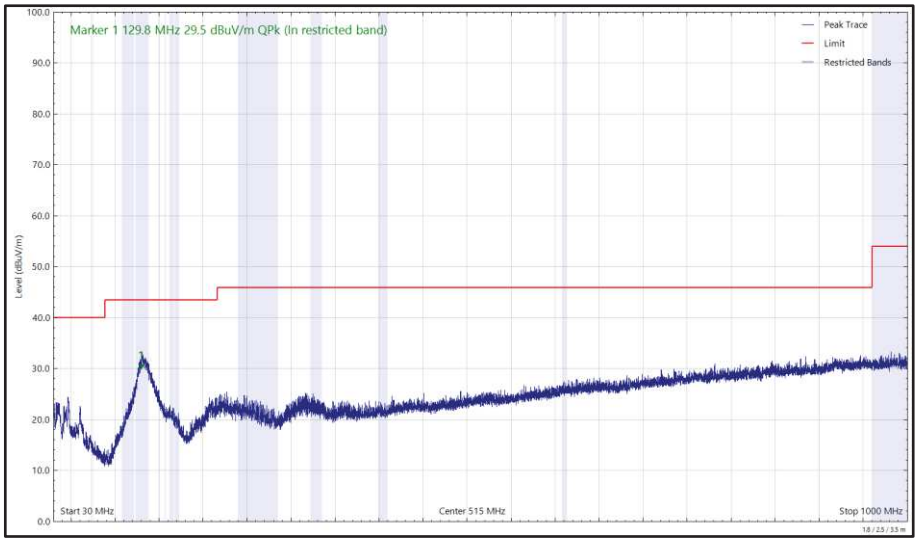

Figure 100 - U-NII-6 - 6475 MHz (CH105), HE20, SU, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

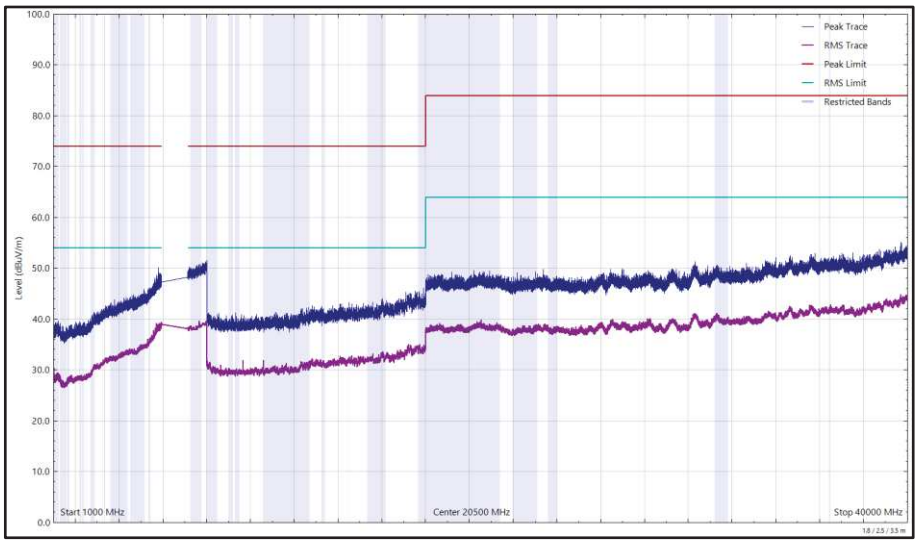

Figure 101 - U-NII-6 - 6475 MHz (CH105), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBuv/m)	Limit (dBuv/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
129.232	28.46	43.50	-15.04	Q-Peak	285	109	Vertical
132.315	24.45	43.50	-19.05	Q-Peak	173	104	Horizontal

Table 333 - U-NII-7 - 6695 MHz (CH149), HE20, SU, CDD, Core 0 + Core 1, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

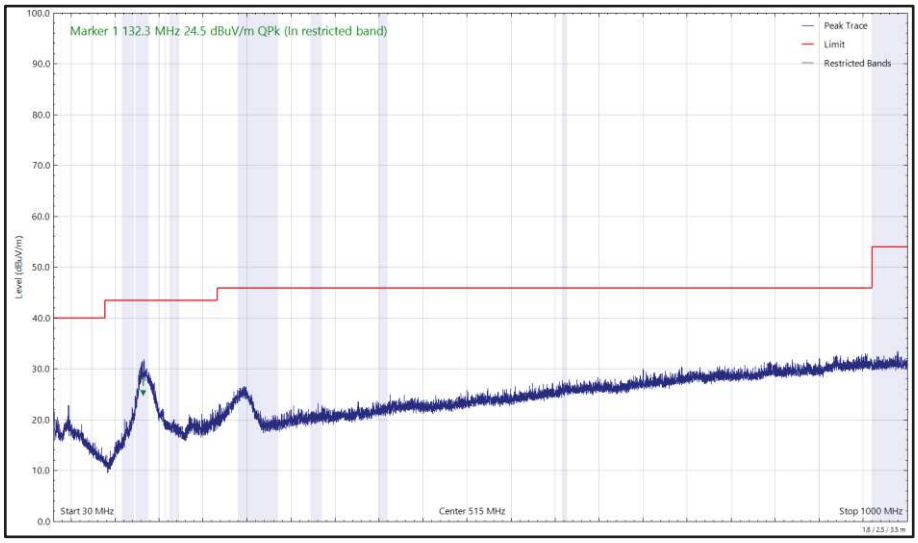

Figure 102 - U-NII-7 - 6695 MHz (CH149), HE20, SU, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

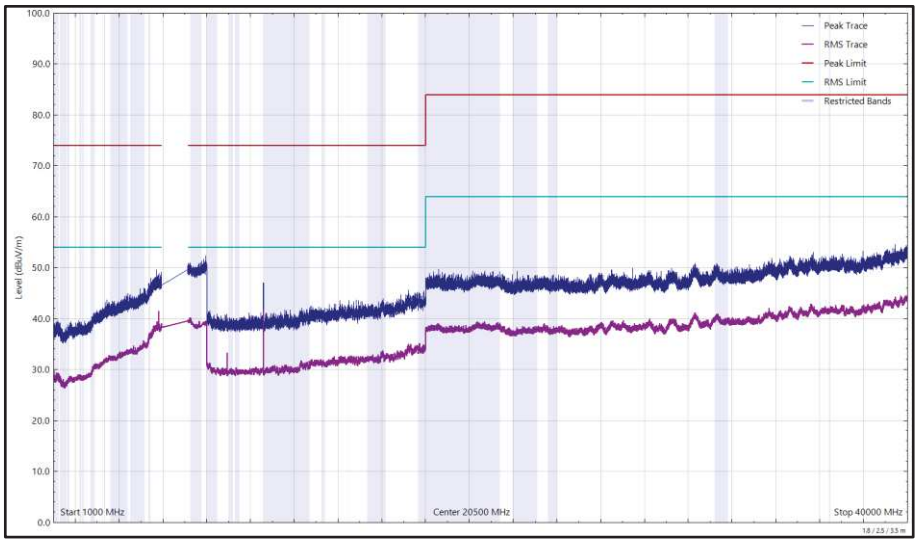

Figure 103 - U-NII-7 - 6695 MHz (CH149), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

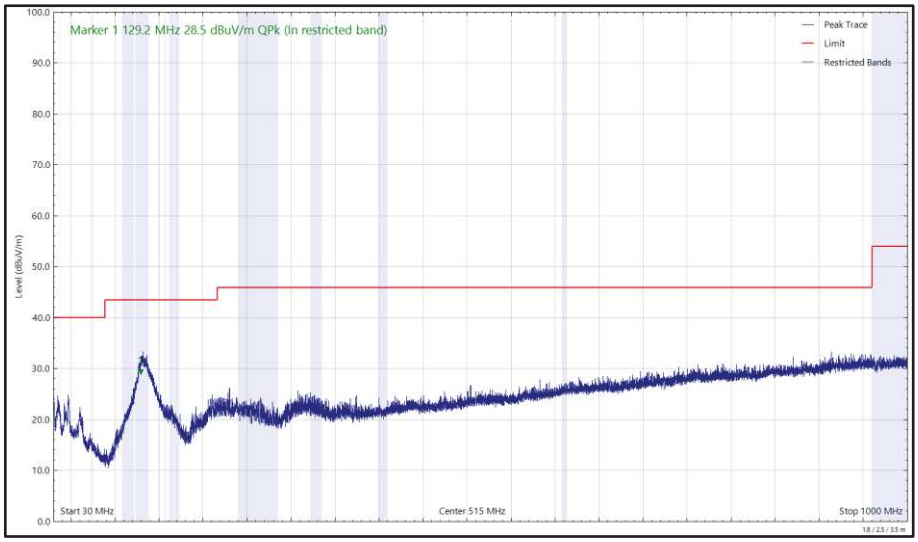

Figure 104 - U-NII-7 - 6695 MHz (CH149), HE20, SU, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

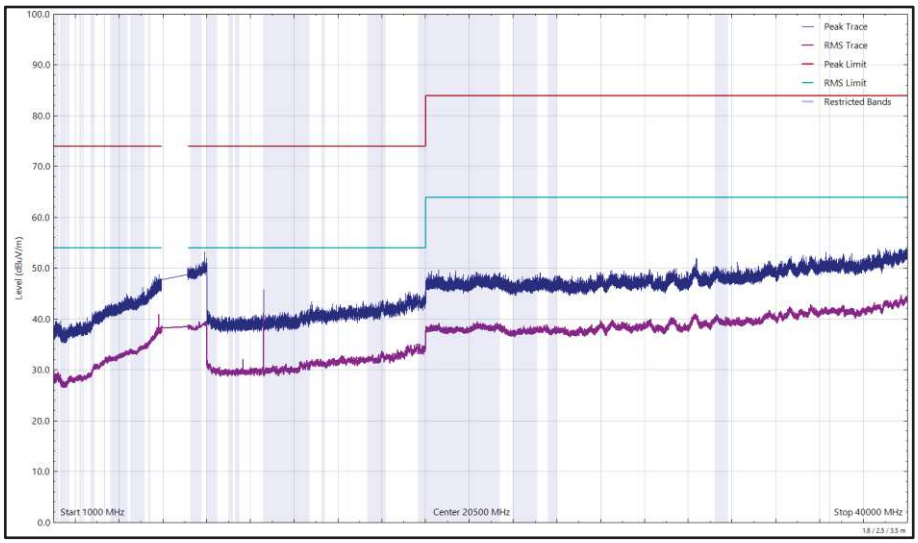

Figure 105 - U-NII-7 - 6695 MHz (CH149), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBuv/m)	Limit (dBuv/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
131.369	29.66	43.50	-13.84	Q-Peak	333	100	Vertical
133.166	24.14	43.50	-19.36	Q-Peak	149	102	Horizontal

Table 334 - U-NII-8 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

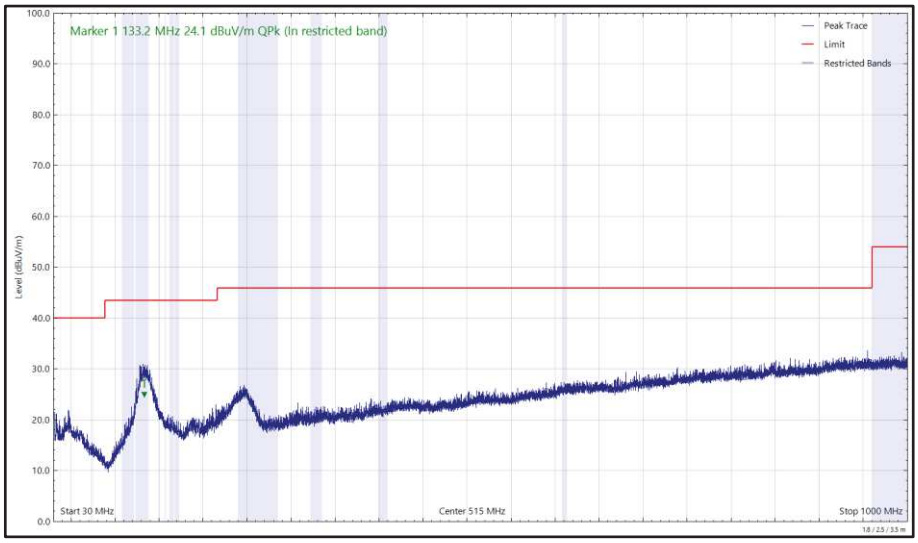

Figure 106 - U-NII-8 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

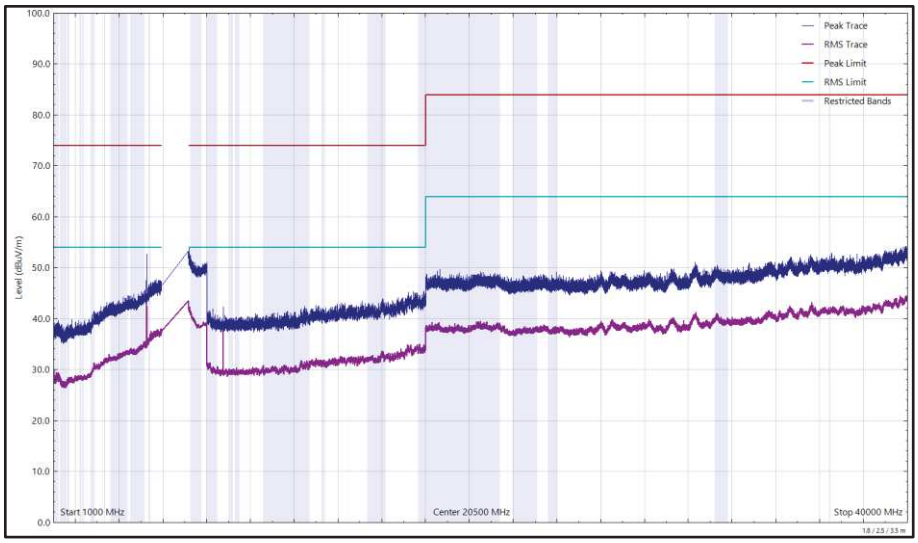

Figure 107 - U-NII-8 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

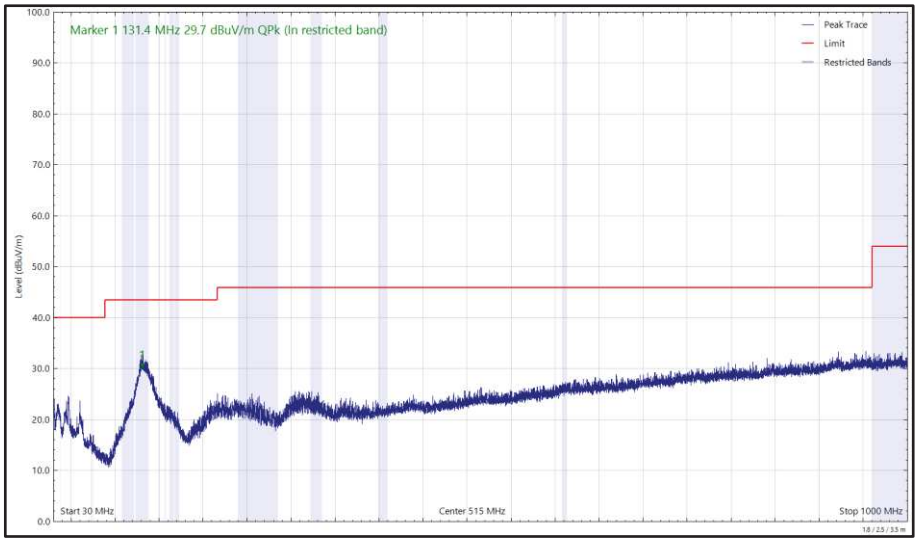

Figure 108 - U-NII-8 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

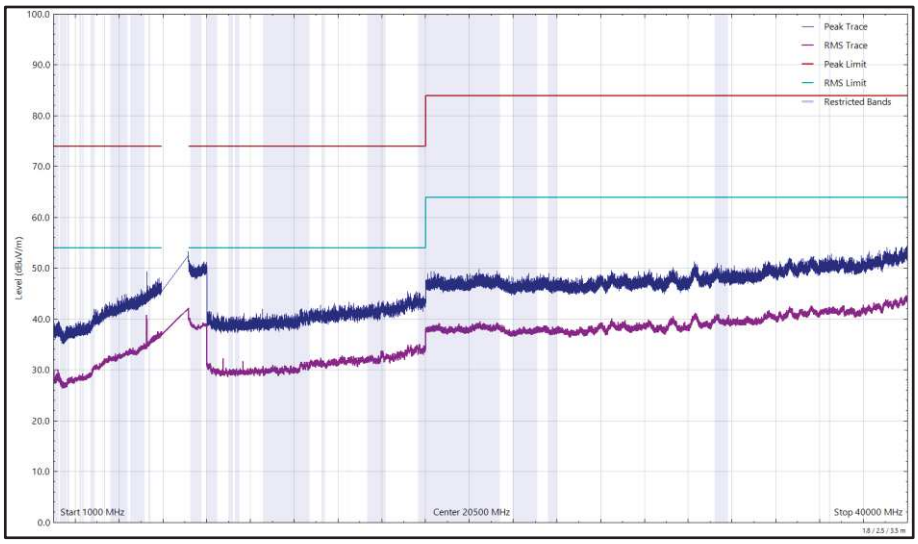

Figure 109 - U-NII-8 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

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

Table 335 - U-NII-5 - 5955 MHz (CH1), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz

*No emissions found within 10 dB of the limit.

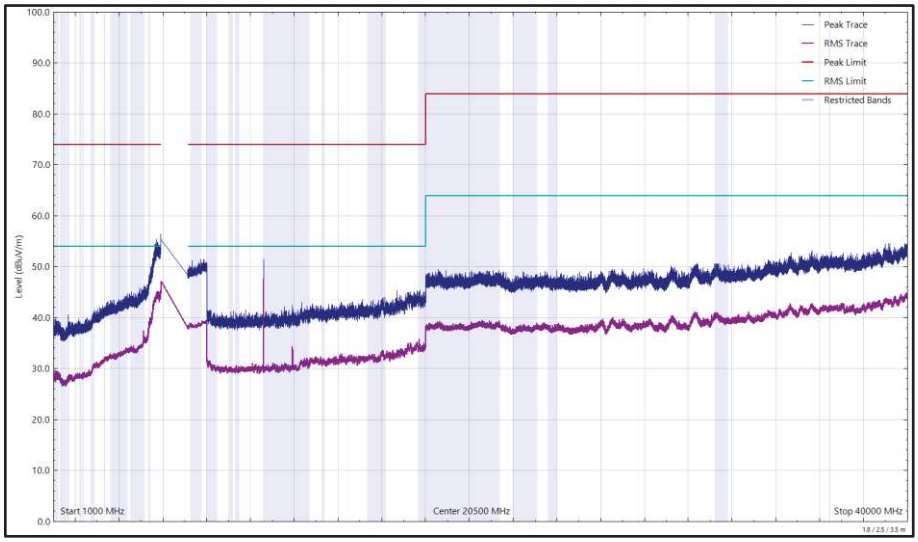

Figure 110 - U-NII-5 - 5955 MHz (CH1), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

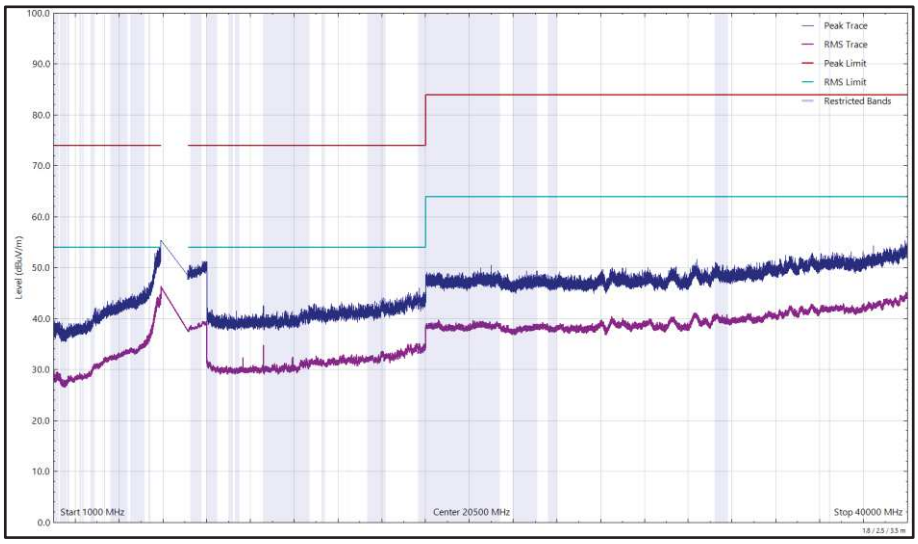

Figure 111 - U-NII-5 - 5955 MHz (CH1), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

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

Table 336 - U-NII-5 - 6415 MHz (CH93), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz

*No emissions found within 10 dB of the limit.

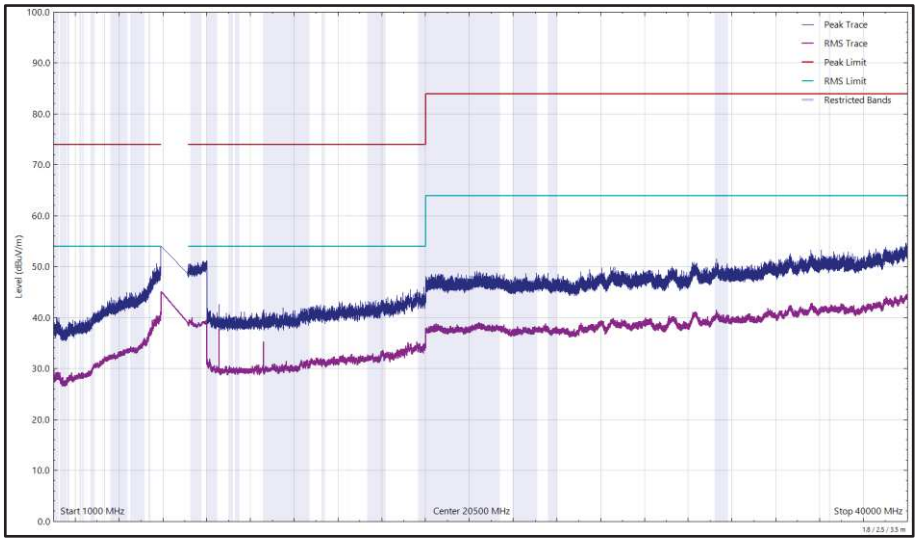

Figure 112 - U-NII-5 - 6415 MHz (CH93), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

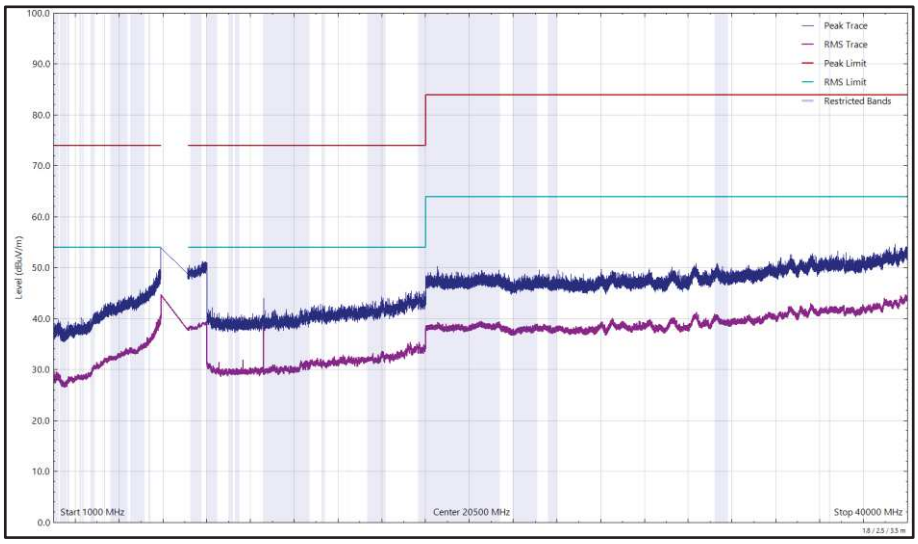

Figure 113 - U-NII-5 - 6415 MHz (CH93), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

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

Table 337 - U-NII-6 - 6435 MHz (CH97), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz

*No emissions found within 10 dB of the limit.

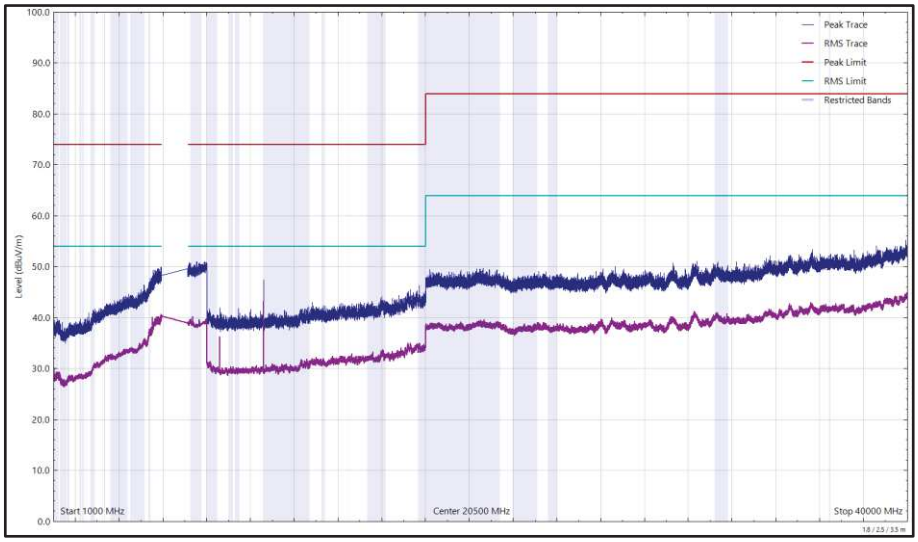

Figure 114 - U-NII-6 - 6435 MHz (CH97), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

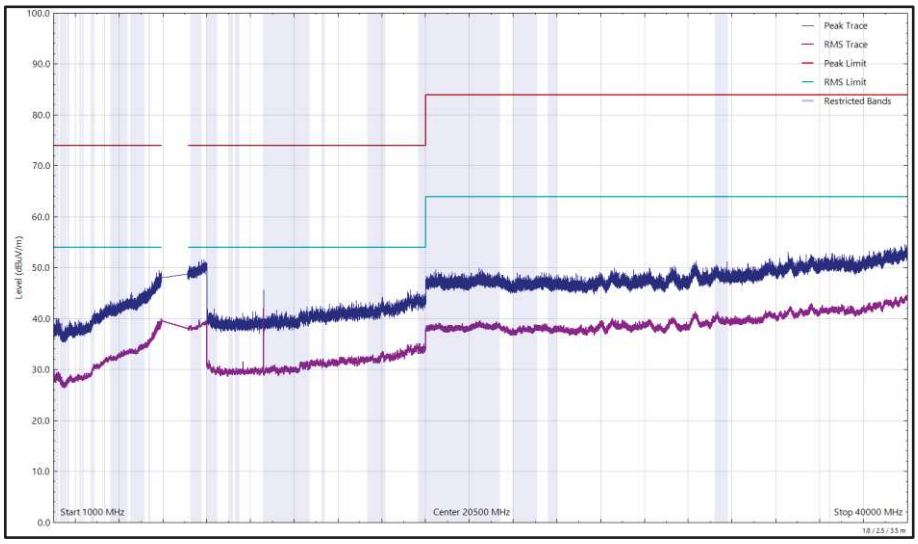

Figure 115 - U-NII-6 - 6435 MHz (CH97), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

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

Table 338 - U-NII-6 - 6515 MHz (CH113), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz

*No emissions found within 10 dB of the limit.

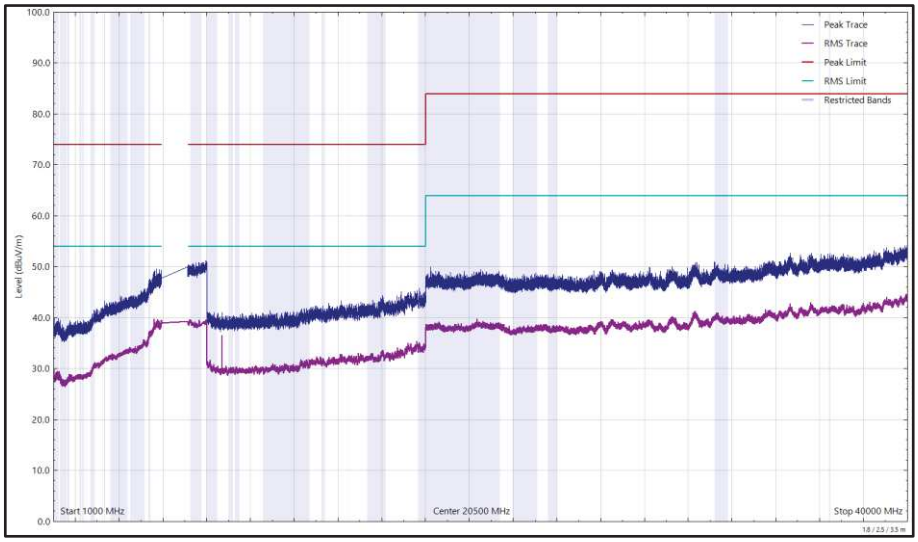

Figure 116 - U-NII-6 - 6515 MHz (CH113), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

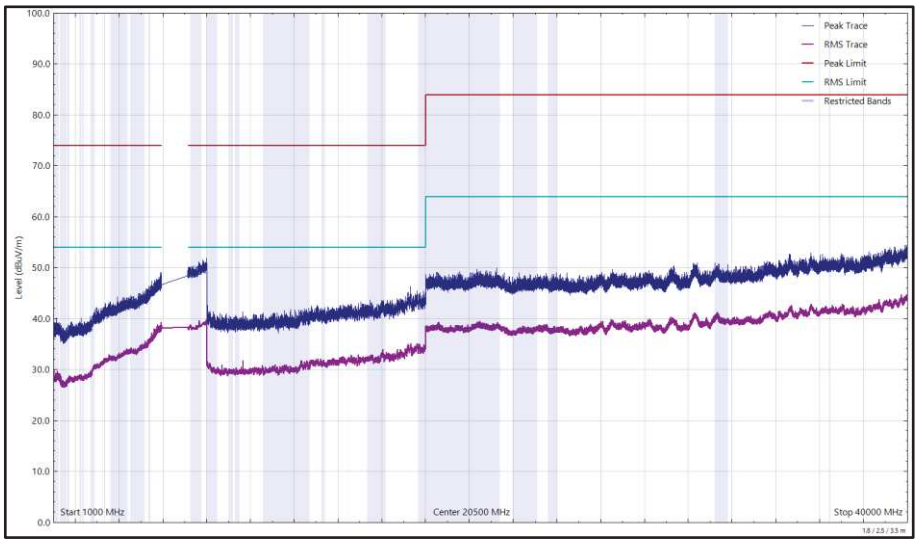

Figure 117 - U-NII-6 - 6515 MHz (CH113), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

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

Table 339 - U-NII-7 - 6535 MHz (CH117), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz

*No emissions found within 10 dB of the limit.

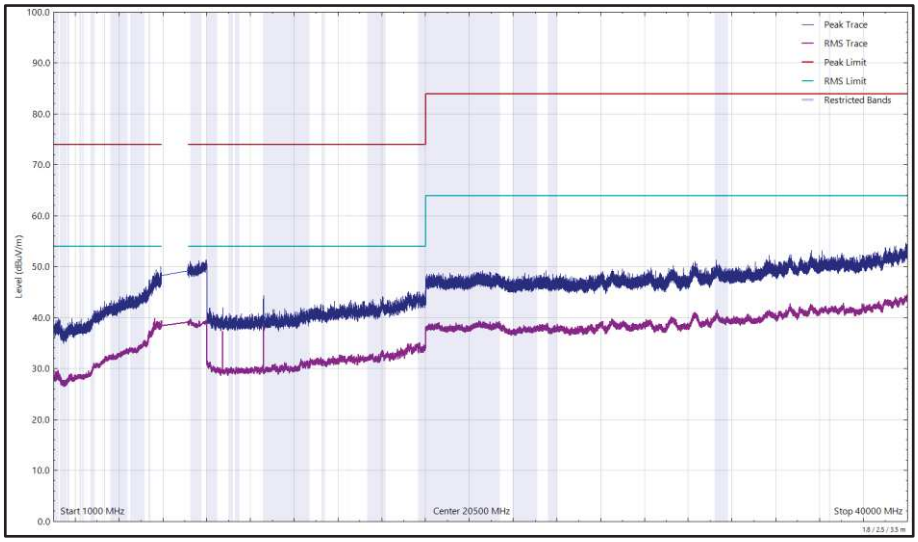

Figure 118 - U-NII-7 - 6535 MHz (CH117), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

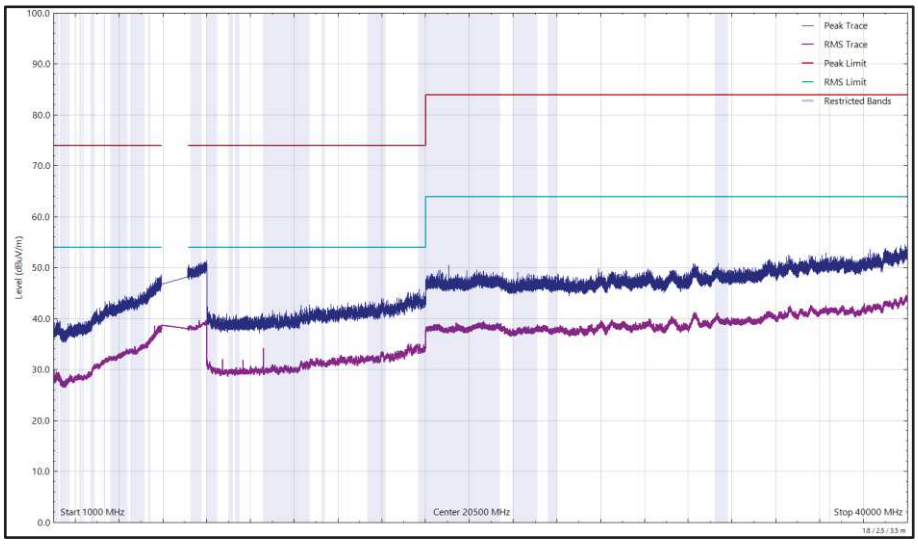

Figure 119 - U-NII-7 - 6535 MHz (CH117), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

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

Table 340 - U-NII-7 - 6855 MHz (CH181), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz

*No emissions found within 10 dB of the limit.

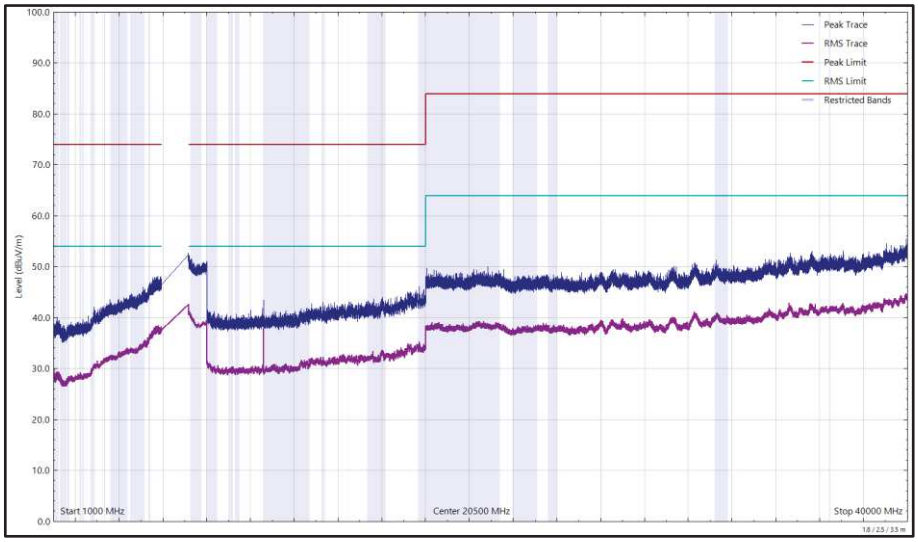

Figure 120 - U-NII-7 - 6855 MHz (CH181), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

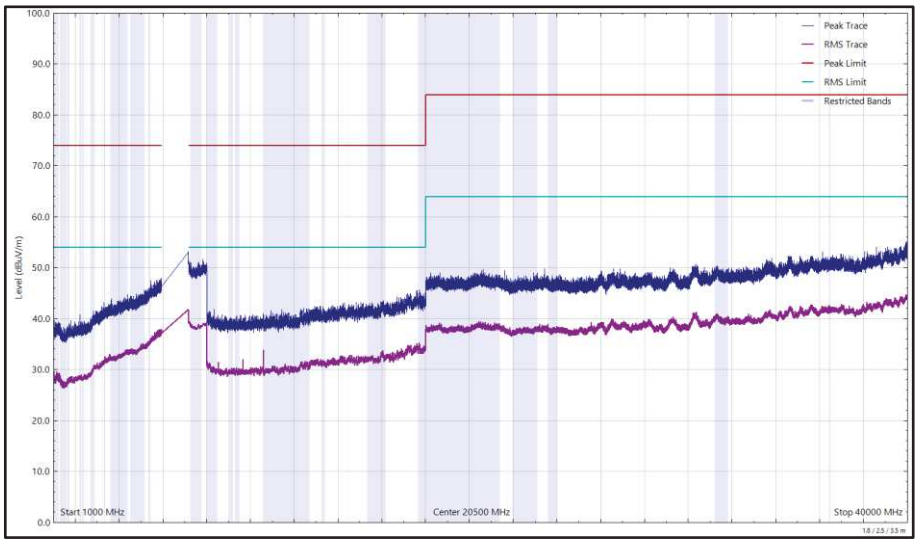

Figure 121 - U-NII-7 - 6855 MHz (CH181), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

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

Table 341 - U-NII-8 - 6895 MHz (CH189), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz

*No emissions found within 10 dB of the limit.

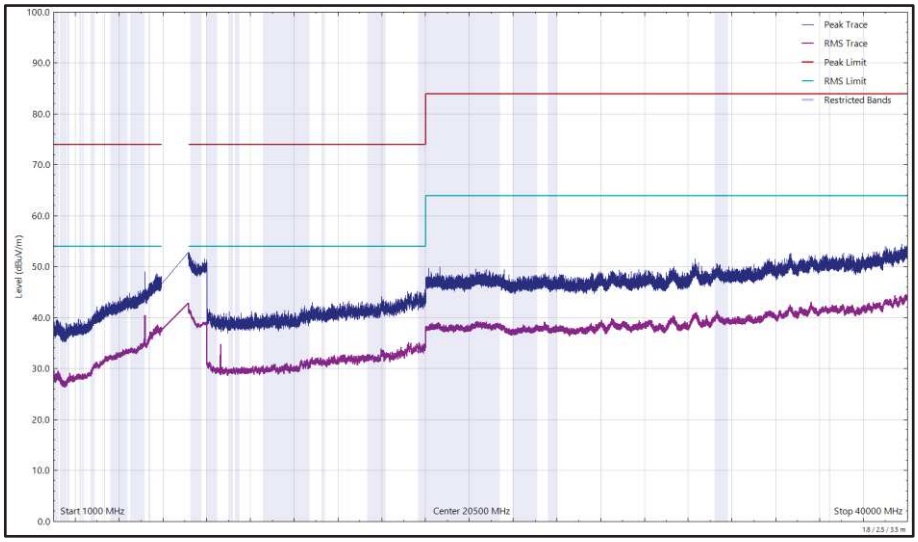

Figure 122 - U-NII-8 - 6895 MHz (CH189), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

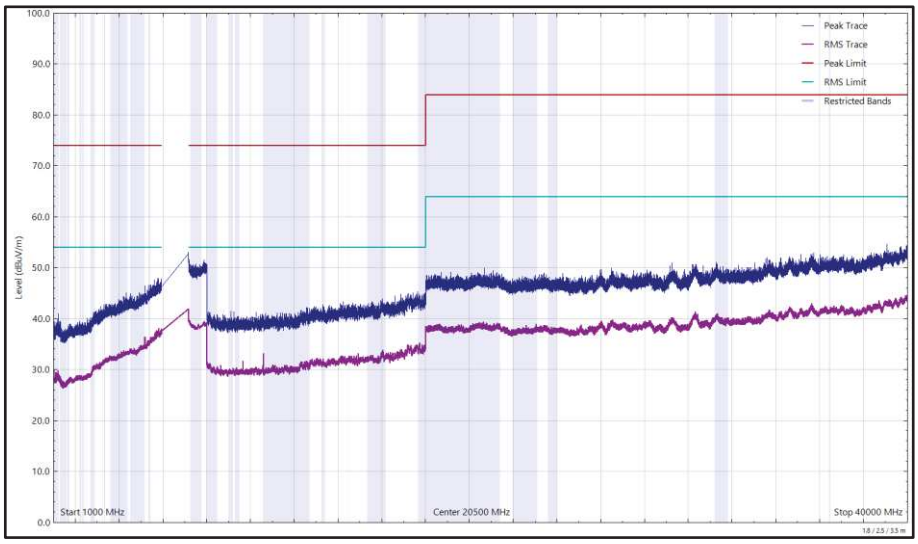

Figure 123 - U-NII-8 - 6895 MHz (CH189), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

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

Table 342 - U-NII-8 - 7115 MHz (CH233), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz

*No emissions found within 10 dB of the limit.

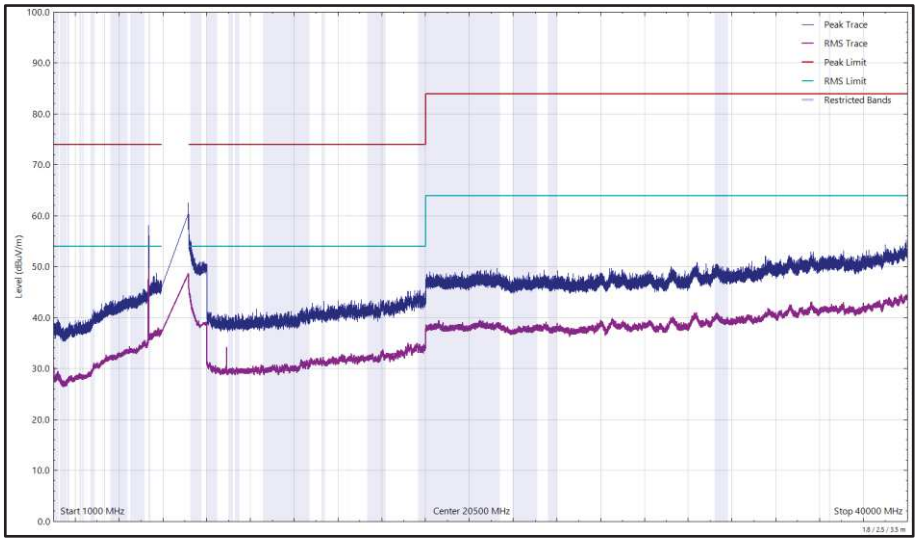

Figure 124 - U-NII-8 - 7115 MHz (CH233), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

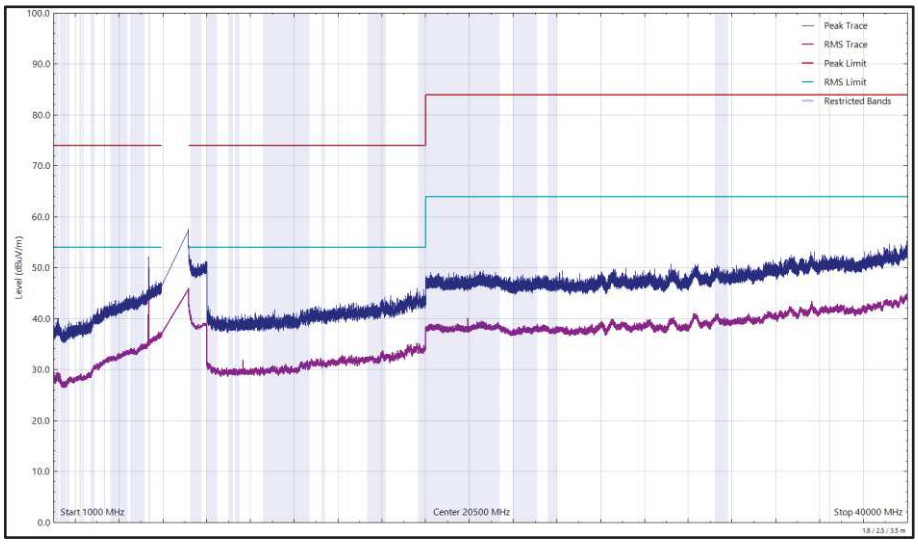

Figure 125 - U-NII-8 - 7115 MHz (CH233), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

FCC 47 CFR Part 15, Limit Clause 15.407(b)(5) and 15.209

Emissions not falling within the restricted bands listed in 15.205:

For transmitters operating within the 5.925–7.125 GHz band: Any emissions outside of the 5.925–7.125 GHz band must not exceed an e.i.r.p. of -27 dBm/MHz.

Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in 15.209.

Emissions within the restricted bands listed in FCC 47 CFR Part 15.205:

Frequency (MHz)	Field Strength Limit at 3m (µV/m)	Field Strength Limit at 3m (dBµV/m)
30 to 88	100	40.00
88 to 216	150	43.52
216 to 960	200	46.02
Above 960	500	53.98

Table 343 - Radiated Emissions Limit Table (FCC)

ISED RSS-248, Limit Clause 4.6.2(a) and ISED RSS-GEN, Limit Clause 8.9

Emissions not falling within the restricted bands listed in ISED RSS-GEN, Clause 8.10:

Any emissions outside of the 5925-7125 MHz band shall not exceed –27 dBm/MHz e.i.r.p.

Any emissions below 1000 MHz shall meet the general field strength limits specified in RSS-Gen

Emissions falling within the restricted bands listed in ISED RSS-GEN, Clause 8.10:

Frequency (MHz)	Field Strength at 3m (µV/m)	Field Strength Limit at 3m (dBµV/m)
30 to 88	100	40.00
88 to 216	150	43.52
216 to 960	200	46.02
Above 960	500	53.98

Table 344 - Radiated Emissions Limit Table (ISED)

2.5.8 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	TUV SUD	EmX V3.1.10	5125	-	Software
EMI Test Receiver	Rohde & Schwarz	ESW44	5914	12	24-Feb-2024
Cable (K Type 2m)	Junkosha	MWX241-02000KMSKMS/B	5935	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	5956	-	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
Mast & Turntable Controller	Maturo Gmbh	FCU3.0	5960	-	TU
Tilt Antenna Mast	Maturo Gmbh	BAM4.5-P	5961	-	TU
Turntable	Maturo Gmbh	TT1.5SI	5962	-	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	TUV_SSU_001	6144	12	05-Dec-2023
Digital Multimeter	Fluke	115	6145	12	17-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	6188	24	02-Jun-2024
8 GHz Highpass Filter	Wainwright	WHKX 7150 8000 18000 50SS	6194	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 345

TU - Traceability Unscheduled
O/P Mon - Output Monitored using calibrated equipment

2.6 Unwanted Emissions within the 5925-7125 MHz band

2.6.1 Specification Reference

FCC 47 CFR Part 15E, Clause 15.407 (b)
ISED RSS-248, Clause 4.6
ISED RSS-GEN, Clause 6.13

2.6.2 Equipment Under Test and Modification State

A2874, S/N: K9XHGCT7D9 - Modification State 0
A2874, S/N: C7YYJQ40RT - Modification State 0

2.6.3 Date of Test

09-March-2023 to 29-March-2023

2.6.4 Test Method

This test was performed in accordance with KDB 987594 D02, Clause J.

2.6.5 Environmental Conditions

Ambient Temperature	21.8 - 23.7 °C
Relative Humidity	32.6 - 36.8 %

2.6.6 Test Results

6 GHz WLAN

SISO

Protocol	Unwanted Emissions Within the RLAN Band	
	Margin (dB)	Frequency (MHz)
802.11a	9.86	6916.400
802.11ax HE20 SU	9.69	6841.300
802.11ax HE40 SU	10.31	6998.600
802.11ax HE80 SU	10.08	6220.600
802.11ax HE160 SU	8.50	6586.000

Table 346 - Unwanted Emissions Within the RLAN Band Summary Results

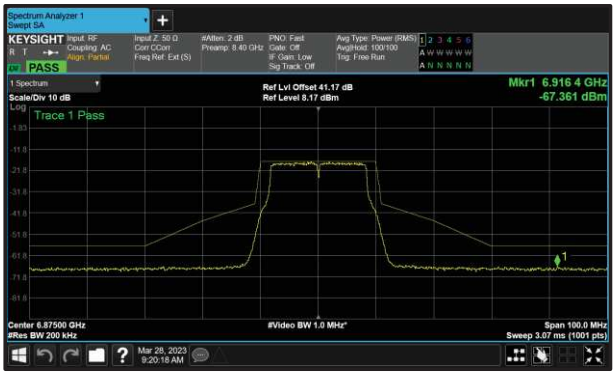

Figure 126 - B (Core 0) 802.11a 6875 MHz (CH185)

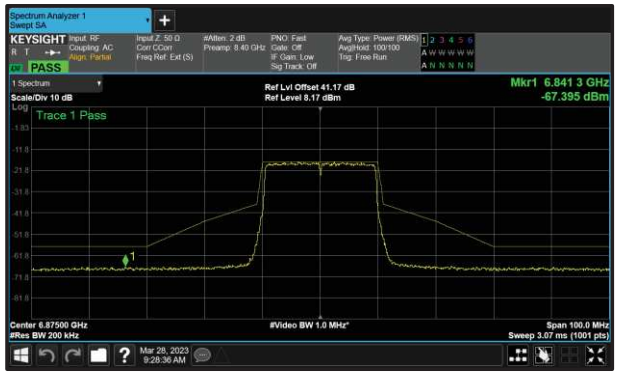

Figure 127 - B (Core 0) 802.11ax HE20 SU 6875 MHz (CH185)

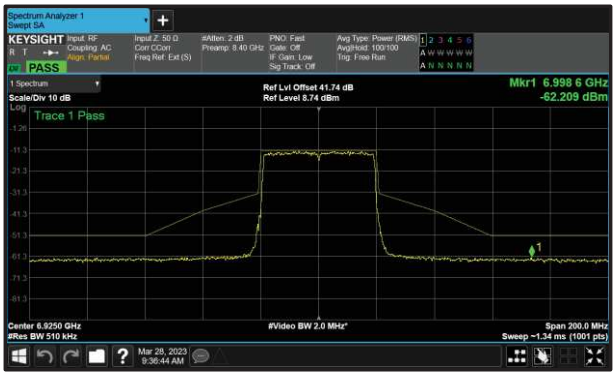

Figure 128 - C (Core 1) 802.11ax HE40 SU 6925 MHz (CH195)

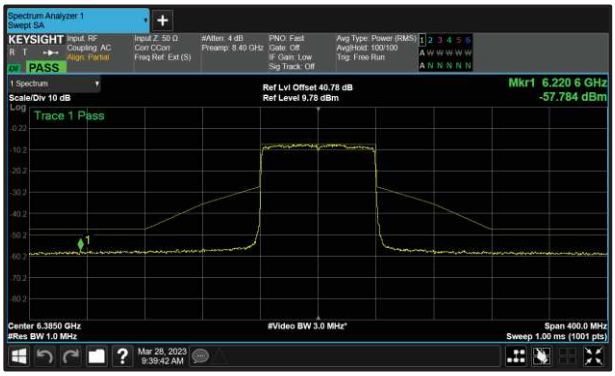

Figure 129 - B (Core 0) 802.11ax HE80 SU 6385 MHz (CH87)

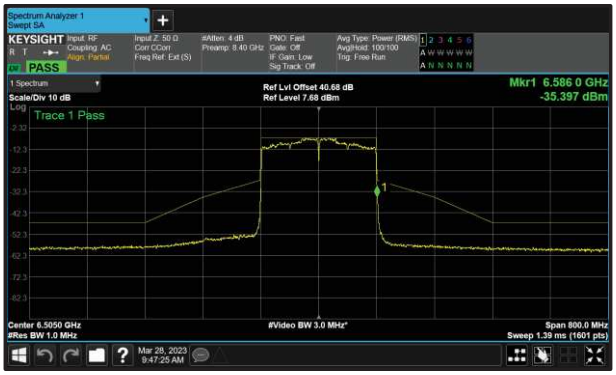

Figure 130 - B (Core 0) 802.11ax HE160 SU 6505 MHz (CH111)

Test Configuration			
Frequency Range:	5925 MHz – 7125 MHz	Band:	U-NII-5 to U-NII-8
Limit Clause(s):	15.407(b)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11a	Duty Cycle (%):	-
Data Rate:	12 Mbps	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	-
Active Port(s):	B (Core 0) | C (Core 1)	Active Chain Id(s):	0 | 1

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
5955	-	-	12.79	-
6175	-	-	13.81	-
6415	-	13.12	-	-
6435	-	13.11	-	-
6475	-	13.28	-	-
6515	-	13.55	-	-
6535	-	12.09	-	-
6695	-	12.57	-	-
6855	-	12.08	-	-
6875	-	9.86	11.23	-
6895	-	-	11.12	-
6995	-	-	10.94	-
7115	-	-	10.84	-

Table 347 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5925 MHz – 7125 MHz	Band:	U-NII-5 to U-NII-8
Limit Clause(s):	15.407(b)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE20 SU	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	-
Active Port(s):	B (Core 0) | C (Core 1)	Active Chain Id(s):	0 | 1

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
5955	-	-	12.90	-
6175	-	-	13.57	-
6415	-	13.51	-	-
6435	-	13.68	-	-
6475	-	12.90	-	-
6515	-	13.59	-	-
6535	-	12.69	-	-
6695	-	12.43	-	-
6855	-	12.47	-	-
6875	-	9.69	10.78	-
6895	-	-	11.10	-
6995	-	-	10.42	-
7095	-	-	10.82	-

Table 348 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5925 MHz – 7125 MHz	Band:	U-NII-5 to U-NII-8
Limit Clause(s):	15.407(b)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE40 SU	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	-
Active Port(s):	B (Core 0) | C (Core 1)	Active Chain Id(s):	0 | 1

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
5965	-	-	11.81	-
6165	-	-	12.69	-
6405	-	12.13	-	-
6445	-	12.42	-	-
6485	-	12.60	-	-
6525	-	11.47	-	-
6565	-	11.44	-	-
6685	-	11.60	-	-
6845	-	11.77	10.66	-
6885	-	-	10.43	-
6925	-	-	10.31	-
7005	-	-	10.46	-
7085	-	-	10.65	-

Table 349 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5925 MHz – 7125 MHz	Band:	U-NII-5 to U-NII-8
Limit Clause(s):	15.407(b)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE80 SU	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	-
Active Port(s):	B (Core 0) | C (Core 1)	Active Chain Id(s):	0 | 1

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
5985	-	-	10.93	-
6145	-	-	11.15	-
6385	-	10.08	-	-
6465	-	11.99	-	-
6545	-	11.19	-	-
6625	-	11.38	-	-
6705	-	11.49	-	-
6785	-	10.87	-	-
6865	-	10.10	10.33	-
6945	-	-	10.12	-
7025	-	-	10.32	-

Table 350 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5925 MHz – 7125 MHz	Band:	U-NII-5 to U-NII-8
Limit Clause(s):	15.407(b)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE160 SU	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	-
Active Port(s):	B (Core 0) | C (Core 1)	Active Chain Id(s):	0 | 1

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
6025	-	-	12.56	-
6185	-	-	8.89	-
6345	-	9.31	-	-
6505	-	8.50	-	-
6665	-	9.57	-	-
6825	-	10.09	10.14	-
6985	-	-	9.88	-

Table 351 - Unwanted Emissions Within the Band Results

Protocol	Unwanted Emissions Within the RLAN Band	
	Margin (dB)	Frequency (MHz)
802.11ax HE20 RU106	10.56	7047.900
802.11ax HE20 RU26	10.17	7125.000
802.11ax HE20 RU52	10.38	7139.400

Table 352 - Unwanted Emissions Within the RLAN Band Summary Results

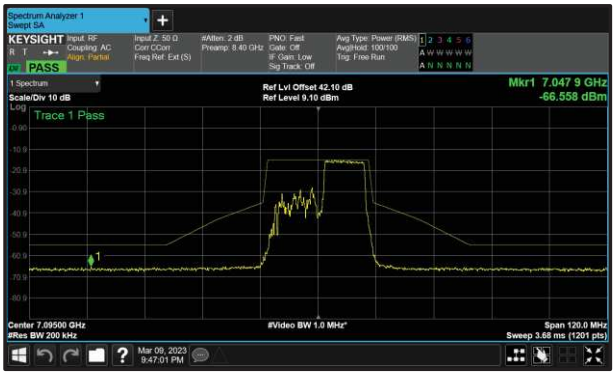

Figure 131 - C (Core 1) 802.11ax HE20 RU106 7095 MHz (CH229)

Figure 132 - C (Core 1) 802.11ax HE20 RU26 7095 MHz (CH229)

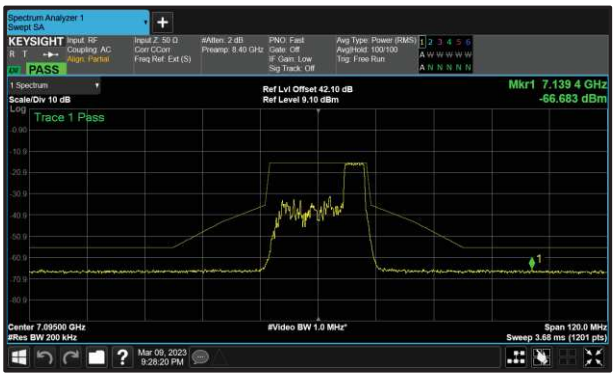

Figure 133 - C (Core 1) 802.11ax HE20 RU52 7095 MHz (CH229)

Test Configuration			
Frequency Range:	5925 MHz – 7125 MHz	Band:	U-NII-5 to U-NII-8
Limit Clause(s):	15.407(b)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE20 RU26	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	-
Active Port(s):	B (Core 0) | C (Core 1)	Active Chain Id(s):	0 | 1

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
5955 (RU26.0)	-	-	13.14	-
6175 (RU26.0)	-	-	14.14	-
6415 (RU26.8)	-	13.56	-	-
6435 (RU26.0)	-	13.32	-	-
6475 (RU26.0)	-	13.40	-	-
6515 (RU26.8)	-	13.52	-	-
6535 (RU26.0)	-	12.77	-	-
6695 (RU26.0)	-	12.80	-	-
6855 (RU26.8)	-	12.32	-	-
6875 (RU26.3)	-	10.59	-	-
6875 (RU26.5)	-	-	11.36	-
6895 (RU26.0)	-	-	11.08	-
6995 (RU26.0)	-	-	10.33	-
7095 (RU26.8)	-	-	10.17	-

Table 353 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5925 MHz – 7125 MHz	Band:	U-NII-5 to U-NII-8
Limit Clause(s):	15.407(b)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE20 RU52	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	-
Active Port(s):	B (Core 0) | C (Core 1)	Active Chain Id(s):	0 | 1

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
5955 (RU52.37)	-	-	13.43	-
6175 (RU52.37)	-	-	14.50	-
6415 (RU52.40)	-	13.48	-	-
6435 (RU52.37)	-	14.44	-	-
6475 (RU52.37)	-	13.48	-	-
6515 (RU52.40)	-	13.74	-	-
6535 (RU52.37)	-	12.66	-	-
6695 (RU52.37)	-	12.81	-	-
6855 (RU52.40)	-	12.55	-	-
6875 (RU52.38)	-	11.09	-	-
6875 (RU52.39)	-	-	11.38	-
6895 (RU52.37)	-	-	11.00	-
6995 (RU52.37)	-	-	10.71	-
7095 (RU52.40)	-	-	10.38	-

Table 354 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5925 MHz – 7125 MHz	Band:	U-NII-5 to U-NII-8
Limit Clause(s):	15.407(b)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE20 RU106	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	-
Active Port(s):	B (Core 0) | C (Core 1)	Active Chain Id(s):	0 | 1

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
5955 (RU106.53)	-	-	13.47	-
6175 (RU106.53)	-	-	13.77	-
6415 (RU106.54)	-	13.39	-	-
6435 (RU106.53)	-	13.25	-	-
6475 (RU106.53)	-	13.44	-	-
6515 (RU106.54)	-	13.48	-	-
6535 (RU106.53)	-	12.73	-	-
6695 (RU106.53)	-	12.63	-	-
6855 (RU106.54)	-	12.48	-	-
6875 (RU106.53)	-	11.61	-	-
6875 (RU106.54)	-	-	10.98	-
6895 (RU106.53)	-	-	10.80	-
6995 (RU106.53)	-	-	10.96	-
7095 (RU106.54)	-	-	10.56	-

Table 355 - Unwanted Emissions Within the Band Results

MIMO CDD

Protocol	Unwanted Emissions Within the RLAN Band	
	Margin (dB)	Frequency (MHz)
802.11ax HE20 SU	6.84	7056.400
802.11ax HE40 SU	3.00	6827.980
802.11ax HE80 SU	1.43	7131.900
802.11ax HE160 SU	5.23	6499.000

Table 356 - Unwanted Emissions Within the RLAN Band Summary Results

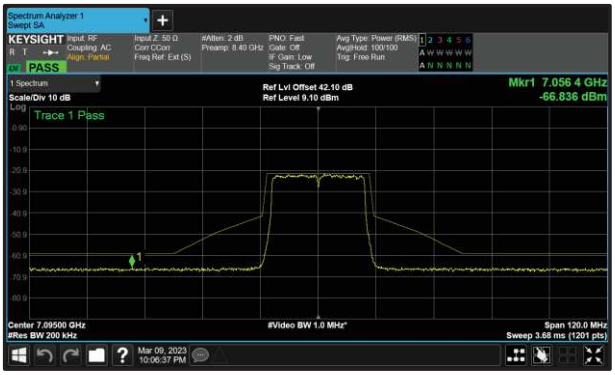

Figure 134 - C (Core 1) 802.11ax HE20 SU 7095 MHz (CH229)

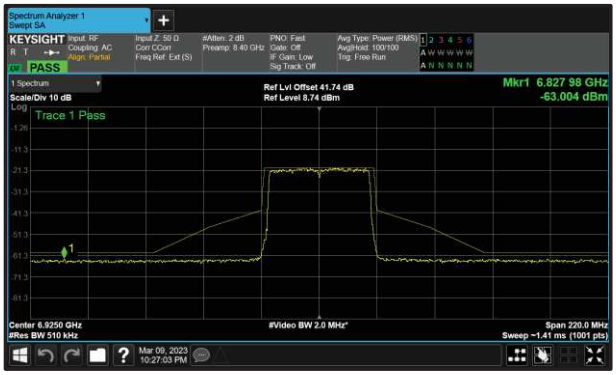

Figure 135 - C (Core 1) 802.11ax HE40 SU 6925 MHz (CH195)

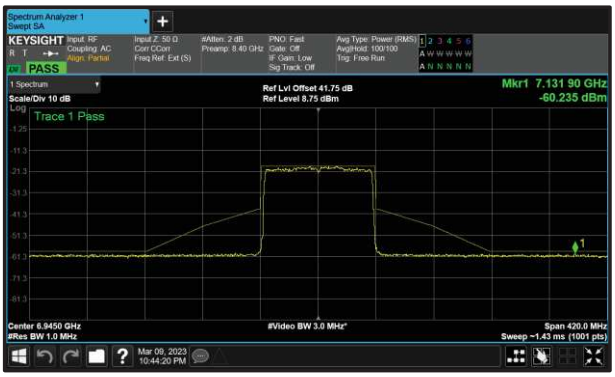

Figure 136 - C (Core 1) 802.11ax HE80 SU 6945 MHz (CH199)

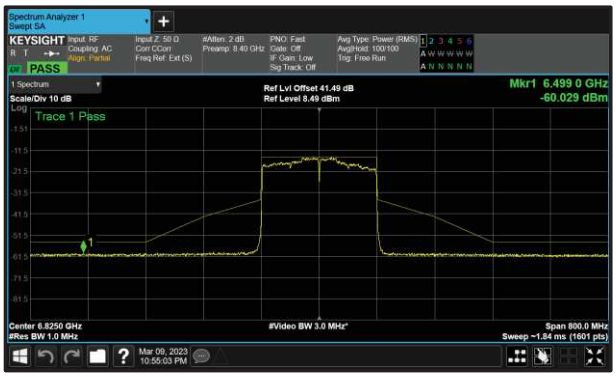

Figure 137 - C (Core 1) 802.11ax HE160 SU 6825 MHz (CH175)

Test Configuration			
Frequency Range:	5925 MHz – 7125 MHz	Band:	U-NII-5 to U-NII-8
Limit Clause(s):	15.407(b)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE20 SU	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	MIMO CDD	Peak Antenna Gain (dBi):	-
Active Port(s):	B+C (Core 0 + Core 1)	Active Chain Id(s):	0+1

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
5955	-	8.12	7.80	-
6175	-	8.66	8.39	-
6415	-	7.53	7.39	-
6435	-	8.01	7.32	-
6475	-	8.51	7.74	-
6515	-	8.04	7.71	-
6535	-	8.07	7.81	-
6695	-	7.92	7.66	-
6855	-	7.84	7.40	-
6875	-	7.62	7.48	-
6895	-	7.37	6.92	-
6995	-	7.34	7.05	-
7095	-	7.14	6.84	-

Table 357 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5925 MHz – 7125 MHz	Band:	U-NII-5 to U-NII-8
Limit Clause(s):	15.407(b)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE40 SU	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	MIMO CDD	Peak Antenna Gain (dBi):	-
Active Port(s):	B+C (Core 0 + Core 1)	Active Chain Id(s):	0+1

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
5965	-	7.25	6.32	-
6165	-	6.92	6.76	-
6405	-	6.56	5.85	-
6445	-	7.02	6.18	-
6485	-	6.68	6.35	-
6525	-	7.04	6.89	-
6565	-	6.90	6.37	-
6685	-	7.22	5.47	-
6845	-	6.76	3.91	-
6885	-	5.51	3.20	-
6925	-	5.37	3.00	-
7005	-	5.13	3.71	-
7085	-	5.82	4.01	-

Table 358 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5925 MHz – 7125 MHz	Band:	U-NII-5 to U-NII-8
Limit Clause(s):	15.407(b)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE80 SU	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	MIMO CDD	Peak Antenna Gain (dBi):	-
Active Port(s):	B+C (Core 0 + Core 1)	Active Chain Id(s):	0+1

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
5985	-	7.03	6.60	-
6145	-	7.59	7.19	-
6385	-	6.91	6.59	-
6465	-	6.94	6.29	-
6545	-	7.38	6.37	-
6625	-	7.69	5.57	-
6705	-	7.80	5.55	-
6785	-	7.07	5.75	-
6865	-	6.35	4.44	-
6945	-	4.32	1.43	-
7025	-	6.00	5.06	-

Table 359 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5925 MHz – 7125 MHz	Band:	U-NII-5 to U-NII-8
Limit Clause(s):	15.407(b)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE160 SU	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	MIMO CDD	Peak Antenna Gain (dBi):	-
Active Port(s):	B+C (Core 0 + Core 1)	Active Chain Id(s):	0+1

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
6025	-	7.76	7.13	-
6185	-	8.31	7.92	-
6345	-	7.87	7.84	-
6505	-	8.40	7.99	-
6665	-	8.75	6.95	-
6825	-	6.67	5.23	-
6985	-	7.12	5.73	-

Table 360 - Unwanted Emissions Within the Band Results

Protocol	Unwanted Emissions Within the RLAN Band	
	Margin (dB)	Frequency (MHz)
802.11ax HE20 RU106	6.76	7133.300
802.11ax HE20 RU52	7.45	6645.600

Table 361 - Unwanted Emissions Within the RLAN Band Summary Results

Figure 138 - C (Core 1) 802.11ax HE20 RU106 7095 MHz (CH229)

Figure 139 - C (Core 1) 802.11ax HE20 RU52 6695 MHz (CH149)

Test Configuration			
Frequency Range:	5925 MHz – 7125 MHz	Band:	U-NII-5 to U-NII-8
Limit Clause(s):	15.407(b)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE20 RU52	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	MIMO CDD	Peak Antenna Gain (dBi):	-
Active Port(s):	B+C (Core 0 + Core 1)	Active Chain Id(s):	0+1

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
5955 (RU52.37)	-	8.17	7.78	-
6175 (RU52.37)	-	8.70	8.14	-
6415 (RU52.40)	-	8.04	7.61	-
6435 (RU52.37)	-	8.13	7.61	-
6475 (RU52.37)	-	8.10	8.12	-
6515 (RU52.40)	-	8.18	7.67	-
6535 (RU52.37)	-	8.09	7.86	-
6695 (RU52.37)	-	8.06	7.45	-
6855 (RU52.40)	-	7.60	7.68	-

Table 362 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5925 MHz – 7125 MHz	Band:	U-NII-5 to U-NII-8
Limit Clause(s):	15.407(b)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE20 RU106	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	MIMO CDD	Peak Antenna Gain (dBi):	-
Active Port(s):	B+C (Core 0 + Core 1)	Active Chain Id(s):	0+1

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
5955 (RU106.53)	-	8.14	7.90	-
6175 (RU106.53)	-	8.33	8.62	-
6415 (RU106.54)	-	7.91	7.38	-
6435 (RU106.53)	-	7.73	7.68	-
6475 (RU106.53)	-	8.16	7.82	-
6515 (RU106.54)	-	8.19	8.00	-
6535 (RU106.53)	-	8.23	7.74	-
6695 (RU106.53)	-	8.19	7.86	-
6855 (RU106.54)	-	7.86	7.42	-
6875 (RU106.53)	-	7.67	7.52	-
6875 (RU106.54)	-	7.65	7.53	-
6895 (RU106.53)	-	7.32	7.00	-
6995 (RU106.53)	-	7.25	7.04	-
7095 (RU106.54)	-	7.36	6.76	-

Table 363 - Unwanted Emissions Within the Band Results

MIMO SDM

Protocol	Unwanted Emissions Within the RLAN Band	
	Margin (dB)	Frequency (MHz)
802.11ax HE20 SU	6.92	6862.600
802.11ax HE40 SU	4.32	7025.540
802.11ax HE80 SU	6.61	7009.000
802.11ax HE160 SU	7.62	6575.500

Table 364 - Unwanted Emissions Within the RLAN Band Summary Results

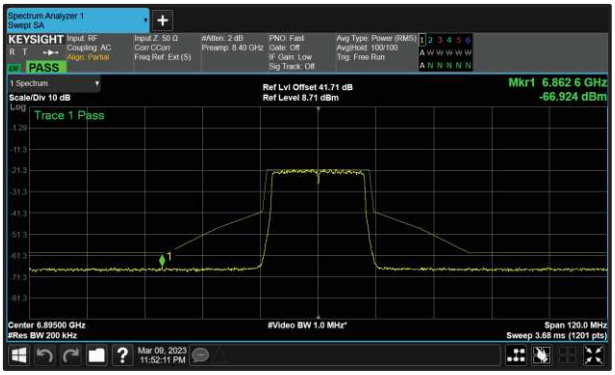

Figure 140 - C (Core 1) 802.11ax HE20 SU 6895 MHz (CH189)

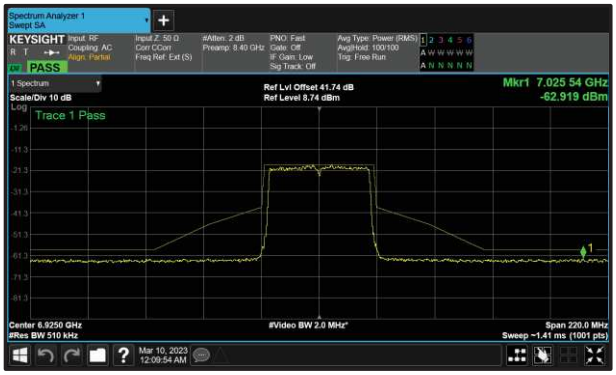

Figure 141 - C (Core 1) 802.11ax HE40 SU 6925 MHz (CH195)

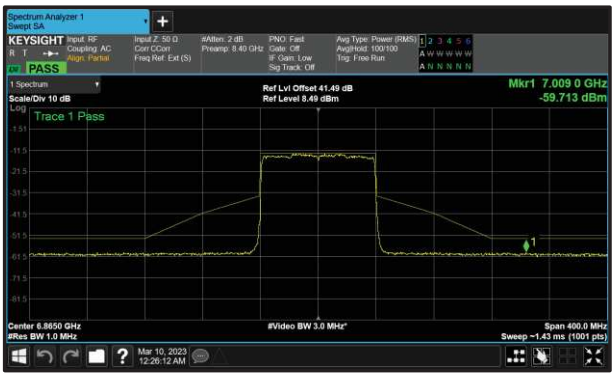

Figure 142 - C (Core 1) 802.11ax HE80 SU 6865 MHz (CH183)

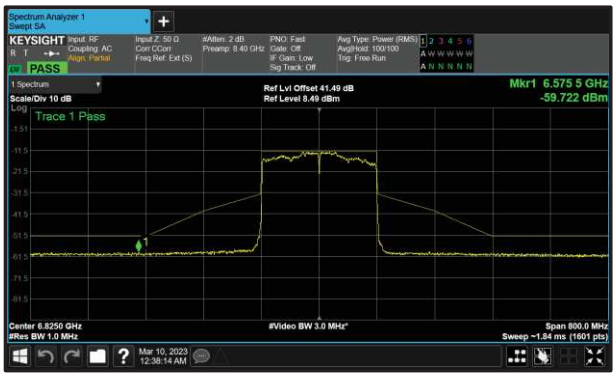

Figure 143 - C (Core 1) 802.11ax HE160 SU 6825 MHz (CH175)

Test Configuration			
Frequency Range:	5925 MHz – 7125 MHz	Band:	U-NII-5 to U-NII-8
Limit Clause(s):	15.407(b)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE20 SU	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	-
Antenna Configuration:	MIMO SDM	Peak Antenna Gain (dBi):	-
Active Port(s):	B+C (Core 0 + Core 1)	Active Chain Id(s):	0+1

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
5955	-	11.25	10.63	-
6175	-	10.21	10.33	-
6415	-	10.38	9.42	-
6435	-	10.10	9.54	-
6475	-	10.34	9.46	-
6515	-	10.33	9.70	-
6535	-	10.62	9.84	-
6695	-	10.37	8.09	-
6855	-	10.34	7.34	-
6875	-	8.95	7.40	-
6895	-	9.14	6.92	-
6995	-	8.99	7.23	-
7095	-	9.23	7.40	-

Table 365 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5925 MHz – 7125 MHz	Band:	U-NII-5 to U-NII-8
Limit Clause(s):	15.407(b)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE40 SU	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	-
Antenna Configuration:	MIMO SDM	Peak Antenna Gain (dBi):	-
Active Port(s):	B+C (Core 0 + Core 1)	Active Chain Id(s):	0+1

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
5965	-	10.23	9.64	-
6165	-	9.97	9.43	-
6405	-	9.75	8.93	-
6445	-	10.05	9.71	-
6485	-	10.33	8.89	-
6525	-	10.44	9.21	-
6565	-	10.22	9.41	-
6685	-	9.97	8.72	-
6845	-	10.15	7.96	-
6885	-	7.35	4.78	-
6925	-	6.31	4.32	-
7005	-	7.10	4.65	-
7085	-	7.24	5.66	-

Table 366 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5925 MHz – 7125 MHz	Band:	U-NII-5 to U-NII-8
Limit Clause(s):	15.407(b)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE80 SU	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	-
Antenna Configuration:	MIMO SDM	Peak Antenna Gain (dBi):	-
Active Port(s):	B+C (Core 0 + Core 1)	Active Chain Id(s):	0+1

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
5985	-	9.20	8.40	-
6145	-	9.56	9.91	-
6385	-	9.28	8.70	-
6465	-	9.96	9.26	-
6545	-	10.23	9.08	-
6625	-	9.54	8.53	-
6705	-	9.80	8.39	-
6785	-	9.61	8.22	-
6865	-	8.02	6.61	-
6945	-	8.50	6.75	-
7025	-	8.26	7.03	-

Table 367 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5925 MHz – 7125 MHz	Band:	U-NII-5 to U-NII-8
Limit Clause(s):	15.407(b)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE160 SU	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	-
Antenna Configuration:	MIMO SDM	Peak Antenna Gain (dBi):	-
Active Port(s):	B+C (Core 0 + Core 1)	Active Chain Id(s):	0+1

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
6025	-	9.85	9.45	-
6185	-	10.72	10.42	-
6345	-	10.62	10.12	-
6505	-	9.67	10.09	-
6665	-	11.22	9.27	-
6825	-	9.18	7.62	-
6985	-	8.83	7.94	-

Table 368 - Unwanted Emissions Within the Band Results

Protocol	Unwanted Emissions Within the RLAN Band	
	Margin (dB)	Frequency (MHz)
802.11ax HE20 RU106	7.04	6948.500
802.11ax HE20 RU26	7.52	6892.100
802.11ax HE20 RU52	6.69	6953.400

Table 369 - Unwanted Emissions Within the RLAN Band Summary Results

Figure 144 - C (Core 1) 802.11ax HE20 RU106 6995 MHz (CH209)

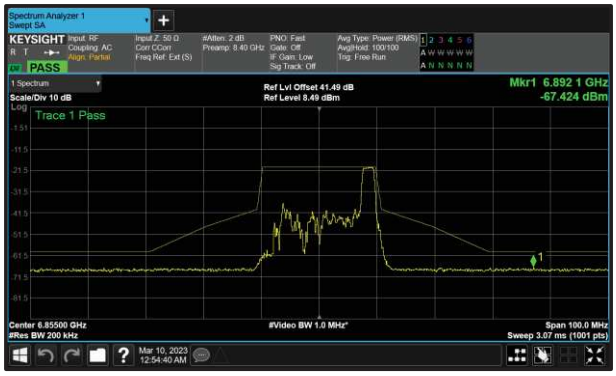

Figure 145 - C (Core 1) 802.11ax HE20 RU26 6855 MHz (CH181)

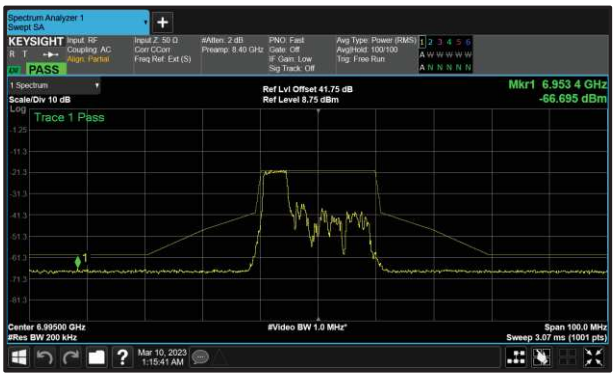

Figure 146 - C (Core 1) 802.11ax HE20 RU52 6995 MHz (CH209)

Test Configuration			
Frequency Range:	5925 MHz – 7125 MHz	Band:	U-NII-5 to U-NII-8
Limit Clause(s):	15.407(b)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE20 RU26	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	-
Antenna Configuration:	MIMO SDM	Peak Antenna Gain (dBi):	-
Active Port(s):	B+C (Core 0 + Core 1)	Active Chain Id(s):	0+1

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
5955 (RU26.0)	-	10.32	9.97	-
6175 (RU26.0)	-	10.76	11.46	-
6415 (RU26.8)	-	9.86	8.98	-
6435 (RU26.0)	-	10.36	9.98	-
6475 (RU26.0)	-	10.67	9.52	-
6515 (RU26.8)	-	10.96	9.89	-
6535 (RU26.0)	-	10.86	9.81	-
6695 (RU26.0)	-	10.60	7.99	-
6855 (RU26.8)	-	10.34	7.52	-

Table 370 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5925 MHz – 7125 MHz	Band:	U-NII-5 to U-NII-8
Limit Clause(s):	15.407(b)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE20 RU52	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	-
Antenna Configuration:	MIMO SDM	Peak Antenna Gain (dBi):	-
Active Port(s):	B+C (Core 0 + Core 1)	Active Chain Id(s):	0+1

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
5955 (RU52.37)	-	10.38	10.99	-
6175 (RU52.37)	-	10.94	11.68	-
6415 (RU52.40)	-	9.99	9.77	-
6435 (RU52.37)	-	10.84	10.34	-
6475 (RU52.37)	-	10.84	9.51	-
6515 (RU52.40)	-	10.94	10.04	-
6535 (RU52.37)	-	10.74	10.32	-
6695 (RU52.37)	-	11.03	9.20	-
6855 (RU52.40)	-	10.62	8.59	-
6875 (RU52.38)	-	9.03	7.40	-
6875 (RU52.39)	-	9.05	7.39	-
6895 (RU52.37)	-	8.62	7.03	-
6995 (RU52.37)	-	8.77	6.69	-
7095 (RU52.40)	-	8.71	6.92	-

Table 371 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5925 MHz – 7125 MHz	Band:	U-NII-5 to U-NII-8
Limit Clause(s):	15.407(b)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE20 RU106	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	-
Antenna Configuration:	MIMO SDM	Peak Antenna Gain (dBi):	-
Active Port(s):	B+C (Core 0 + Core 1)	Active Chain Id(s):	0+1

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
5955 (RU106.53)	-	10.77	10.15	-
6175 (RU106.53)	-	10.99	11.20	-
6415 (RU106.54)	-	10.32	9.00	-
6435 (RU106.53)	-	10.85	10.06	-
6475 (RU106.53)	-	10.59	9.10	-
6515 (RU106.54)	-	10.78	9.88	-
6535 (RU106.53)	-	11.20	9.85	-
6695 (RU106.53)	-	10.84	8.82	-
6855 (RU106.54)	-	10.70	7.48	-
6875 (RU106.53)	-	8.76	7.49	-
6875 (RU106.54)	-	9.06	7.37	-
6895 (RU106.53)	-	8.68	7.09	-
6995 (RU106.53)	-	8.65	7.04	-
7095 (RU106.54)	-	9.06	7.26	-

Table 372 - Unwanted Emissions Within the Band Results

TxBF

TxBF Protocol	Unwanted Emissions Within the RLAN Band	
	Margin (dB)	Frequency (MHz)
802.11ax HE40 SU	1.45	6708.100
802.11ax HE80 SU	1.37	6905.960

Table 373 - Unwanted Emissions Within the RLAN Band Summary Results – MIMO TxBF

Figure 147 - A (Core 0) 802.11ax HE40 SU 6685 MHz (CH147)

Figure 148 - B (Core 1) 802.11ax HE80 SU 6785 MHz (CH167)

Test Configuration			
Frequency Range:	5.925-7.125 GHz	Band:	U-NII-5, U-NII-6, U-NII-7
Limit Clause(s):	15.407(b)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE40 SU	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	TxBF	Peak Antenna Gain (dBi):	-
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain Id(s):	0+1

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
6125	3.79	2.34	-	-
6165	3.87	3.74	-	-
6245	3.50	4.80	-	-
6445	2.37	3.47	-	-
6485	2.81	2.16	-	-
6825	2.75	2.37	-	-
6565	2.70	2.02	-	-
6685	1.45	1.51	-	-
6845	3.30	1.89	-	-

Table 374 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-7.125 GHz	Band:	U-NII-5, U-NII-6, U-NII-7, U-NII-8
Limit Clause(s):	15.407(b)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE80 SU	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	TxBF	Peak Antenna Gain (dBi):	-
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain Id(s):	0+1

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
5985	1.73	3.32	-	-
6145	3.57	3.90	-	-
6385	2.75	2.46	-	-
6465	2.84	2.83	-	-
6545	3.07	2.14	-	-
6625	2.87	1.80	-	-
6705	2.83	1.57	-	-
6785	2.48	1.37	-	-
6865	2.77	1.92	-	-
6945	2.69	2.23	-	-
7025	1.78	1.71	-	-

Table 375 - Unwanted Emissions Within the Band Results

FCC 47 CFR Part 15, Limit Clause 15.407(b)(6)

For transmitters operating within the 5.925–7.125 GHz bands:

Power spectral density must be suppressed by 20 dB at 1 MHz outside of channel edge, by 28 dB at one channel bandwidth from the channel center, and by 40 dB at one- and one-half times the channel bandwidth away from channel center. At frequencies between one megahertz outside an unlicensed device's channel edge and one channel bandwidth from the center of the channel, the limits must be linearly interpolated between 20 dB and 28 dB suppression, and at frequencies between one and one- and onehalf times an unlicensed device's channel bandwidth, the limits must be linearly interpolated between 28 dB and 40 dB suppression. Emissions removed from the channel center by more than one- and one-half times the channel bandwidth must be suppressed by at least 40 dB.

ISED RSS-248, Limit Clause 4.6.2(b)

e.i.r.p. spectral density of unwanted emissions falling into the 5925-7125 MHz band shall be attenuated (in dB) below the reference power spectral density by:

i. 20 dB at 1 MHz away from the channel edge; and
ii. a linearly interpolated value between 20 dB and 28 dB at frequencies between 1 MHz outside of channel edge and one (1) channel bandwidth from the operating channel centre, respectively; and
iii. 28 dB at one (1) channel bandwidth away from the operating channel centre; and
iv. a linearly interpolated value between 28 dB and 40 dB at frequencies between one (1) channel bandwidth from the channel centre and one- and one-half (1.5) times the channel bandwidth away from the operating channel centre, respectively; and
v. 40 dB at one- and one-half (1.5) times the channel bandwidth away from the channel centre; and
vi. a minimum of 40 dB at frequencies that are further away than one and one-half (1.5) times the channel bandwidth from the channel centre.

2.6.7 Test Location and Test Equipment Used

This test was carried out in RF Laboratory 14.

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
Hygrometer	Rotronic	I-1000	3068	12	21-Sep-2023
1800-6000 MHz Power Splitter	Mini-Circuits	ZN2PD-63-S+	4055	-	O/P Mon
Multi-GNSS Simulator (GPS)	Spirent	GSS6700	4596	12	22-Aug-2023
Power splitter - 2 port	Mini-Circuits	ZN2PD-63-S+	4743	12	30-Nov-2023
EXA	Keysight Technologies	N9010B	4968	24	19-Jan-2024
Network Analyser	Keysight Technologies	E5063A	5018	12	29-Sep-2023
Cable (18 GHz)	Rosenberger	LU7-071-1000	5096	12	23-Oct-2023
Cable (18 GHz)	Rosenberger	LU7-071-1000	5100	12	23-Oct-2023
Electronic Calibration Module	Keysight Technologies	85093C	5188	12	09-Sep-2023
AC Programmable Power Supply	iTech	IT7324	5225	-	O/P Mon
AC Programmable Power Supply	iTech	IT7324	5227	-	O/P Mon
Attenuator 5W 30dB DC-18GHz	Aaren	AT40A-4041-D18-30	5504	12	21-Apr-2023
MXA Signal Analyser	Keysight Technologies	N9020B	5529	24	13-Dec-2024
Signal Conditioning Unit	TUV SUD	SPECTRUM SCU001	5546	12	06-Apr-2023
Directional Coupler 2-8GHz	RF-Lambda	RFDC2G8G10	5765	-	O/P Mon
Directional Coupler 2-8GHz	RF-Lambda	RFDC2G8G10	5766	-	O/P Mon
Digital Multimeter	Fluke	115	6145	12	17-Jun-2023
Signal Conditioning Unit	TUV SUD	SCU005	6350	-	O/P Mon

Table 376

O/P Mon - Output Monitored using calibrated equipment

2.7 Contention Based Protocol

2.7.1 Specification Reference

FCC 47 CFR Part 15E, Clause 15.407 (d)(6)
ISED RSS-248, Clause 4.7

2.7.2 Equipment Under Test and Modification State

A2874, S/N: YK197YJPJL - Modification State 0

2.7.3 Date of Test

28-March-2023

2.7.4 Test Method

This test was performed in accordance with KDB 987594 D02, Clause I.

The AWGN signal level was initially set at a level much less than the required threshold level (<< -62 dBm) it was verified at this point that transmissions from the device under test (DUT) were present. The signal level was gradually increased until it was observed that the DUT continuously ceased transmissions with the AWGN signal present, i.e., no partial transmissions other than short control signalling transmissions.

The AWGN Signal level recorded is the level in to the DUT's receiver, corrected for all cable losses. This level was adjusted in 1 dB steps. The minimum antenna gain value was then used to correct the level as described in KDB 987594 D04.

Timing plots showing verification that transmissions from the DUT responded to the interferer have been included in the test results below.

2.7.5 Test Setup Diagram

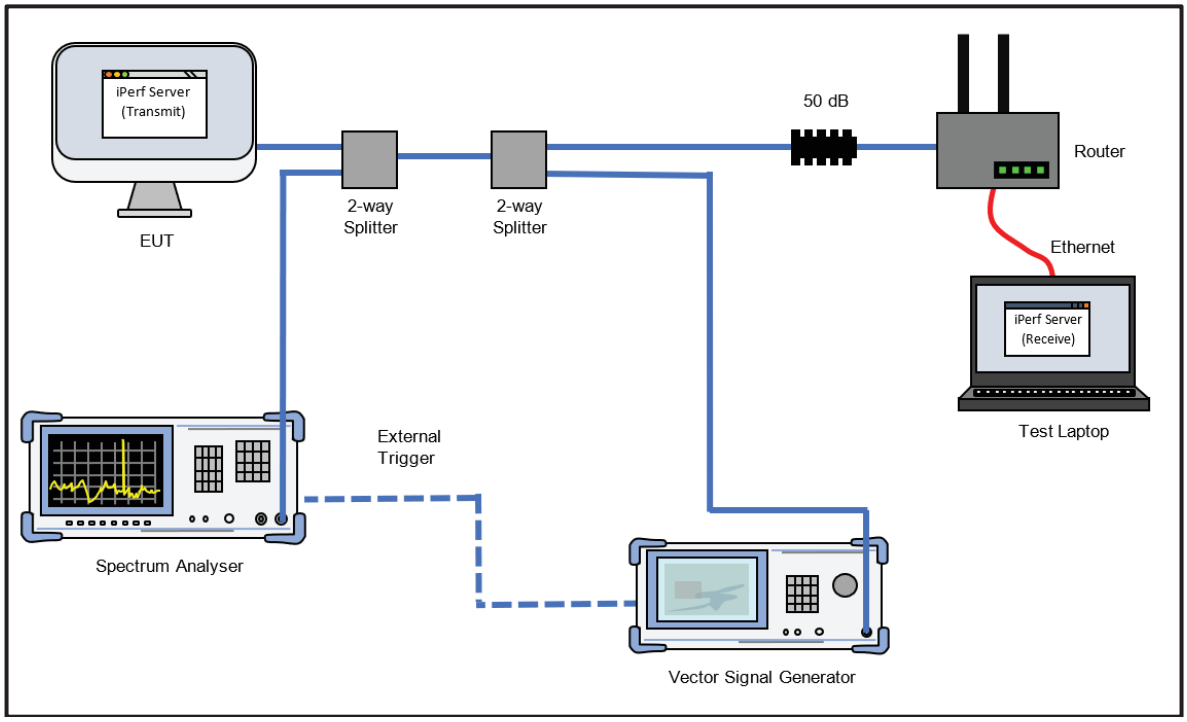

Figure 149 - Test Equipment Setup Diagram

2.7.6 Environmental Conditions

Ambient Temperature	24.3 °C
Relative Humidity	34.6 %

2.7.7 Test Results

6 GHz WLAN

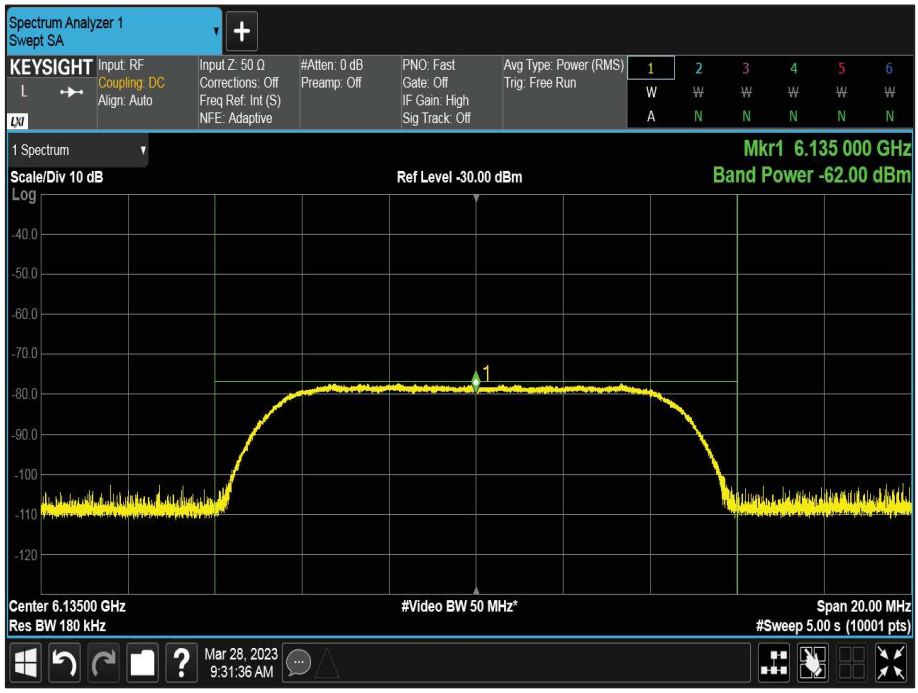

Figure 150 - Example of AWGN Signal

Parameter	Results		
U-NII Band	5	5	5
Channel Number	37	37	37
Bandwidth (MHz)	20	20	20
DUT Centre Frequency (MHz)	6135	6135	6135
AWGN Centre Frequency (MHz)	6135	6135	6135
AWGN Signal Power (dBm)	-71	-69	-68
Antenna Gain (dBi)	3.97	3.97	3.97
Adjusted Power (dBm)	-74.97	-72.97	-71.97
Detection Limit (dBm)	-62.0	-62.0	-62.0
EUT Tx Status (OFF/Minimal/ON)	ON	Minimal	OFF

Table 377 - U-NII-5, Minimum Bandwidth

Figure 151 - U-NII-5, Minimum Bandwidth

Parameter	Results		
U-NII Band	5	5	5
Channel Number	47	47	47
Bandwidth (MHz)	160	160	160
DUT Centre Frequency (MHz)	6185	6185	6185
AWGN Centre Frequency (MHz)	6110	6110	6110
AWGN Signal Power (dBm)	-70	-68	-67
Antenna Gain (dBi)	3.97	3.97	3.97
Adjusted Power (dBm)	-73.97	-71.97	-70.97
Detection Limit (dBm)	-62.0	-62.0	-62.0
EUT Tx Status (OFF/Minimal/ON)	ON	Minimal	OFF

Table 378 - U-NII-5, Maximum Bandwidth (AWGN Low)

Figure 152 - U-NII-5, Minimum Bandwidth (AWGN Low)

Parameter	Results		
U-NII Band	5	5	5
Channel Number	47	47	47
Bandwidth (MHz)	160	160	160
DUT Centre Frequency (MHz)	6185	6185	6185
AWGN Centre Frequency (MHz)	6185	6185	6185
AWGN Signal Power (dBm)	-74	-71	-69
Antenna Gain (dBi)	3.97	3.97	3.97
Adjusted Power (dBm)	-77.97	-74.97	-72.97
Detection Limit (dBm)	-62.0	-62.0	-62.0
EUT Tx Status (OFF/Minimal/ON)	ON	Minimal	OFF

Table 379 - U-NII-5, Maximum Bandwidth (AWGN Mid)

Figure 153 - U-NII-5, Minimum Bandwidth (AWGN Mid)

Parameter	Results		
U-NII Band	6	6	6
Channel Number	111	111	111
Bandwidth (MHz)	160	160	160
DUT Centre Frequency (MHz)	6505	6505	6505
AWGN Centre Frequency (MHz)	6430	6430	6430
AWGN Signal Power (dBm)	-71	-66	-65
Antenna Gain (dBi)	4.1	4.1	4.1
Adjusted Power (dBm)	-75.1	-70.1	-69.1
Detection Limit (dBm)	-62.0	-62.0	-62.0
EUT Tx Status (OFF/Minimal/ON)	ON	Minimal	OFF

Table 380 - U-NII-5, Maximum Bandwidth (AWGN High)

Figure 154 - U-NII-5, Minimum Bandwidth (AWGN High)