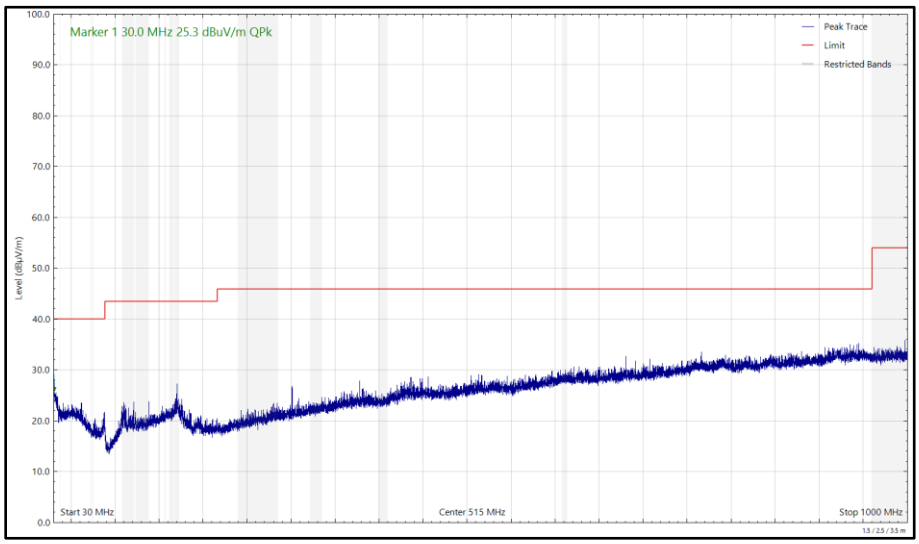

Figure 279 - U-NII-8 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

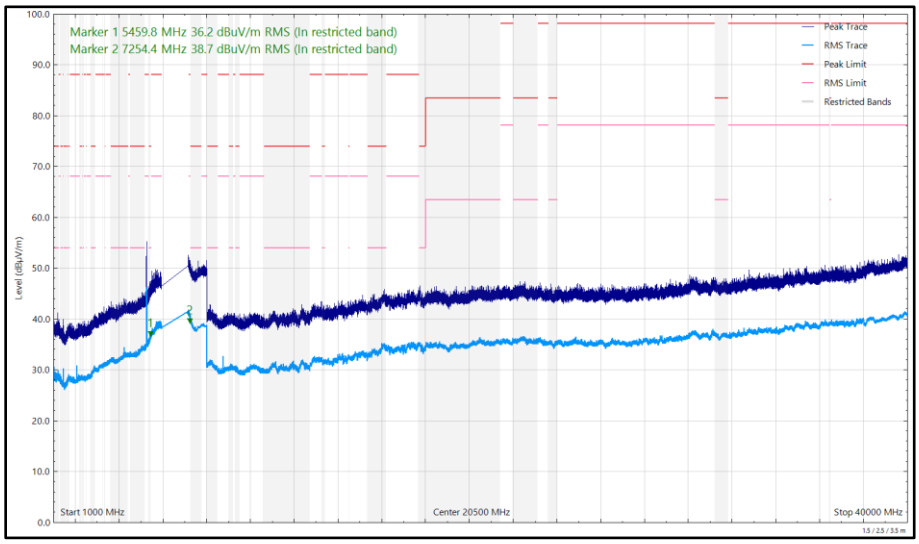

Figure 280 - U-NII-8 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
5459.091	36.28	54.00	-17.72	RMS	0	335	Vertical
5459.921	34.82	54.00	-19.18	RMS	252	398	Horizontal
7250.140	42.46	54.00	-11.54	RMS	57	114	Vertical
7251.722	41.47	54.00	-12.53	RMS	73	400	Horizontal

Table 263 - U-NII-8 - 7115 MHz (CH233), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz

No other emissions found within 10 dB of the limit.

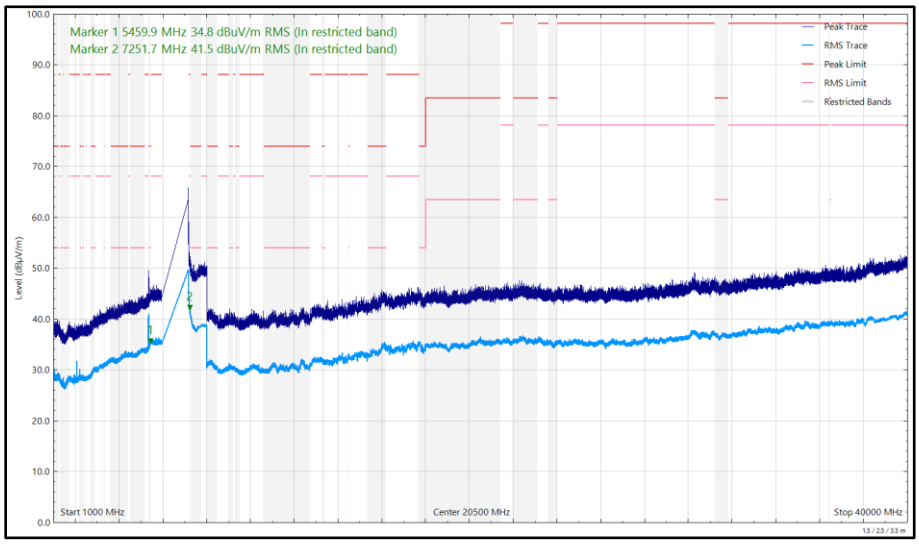

Figure 281 - U-NII-8 - 7115 MHz (CH233), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

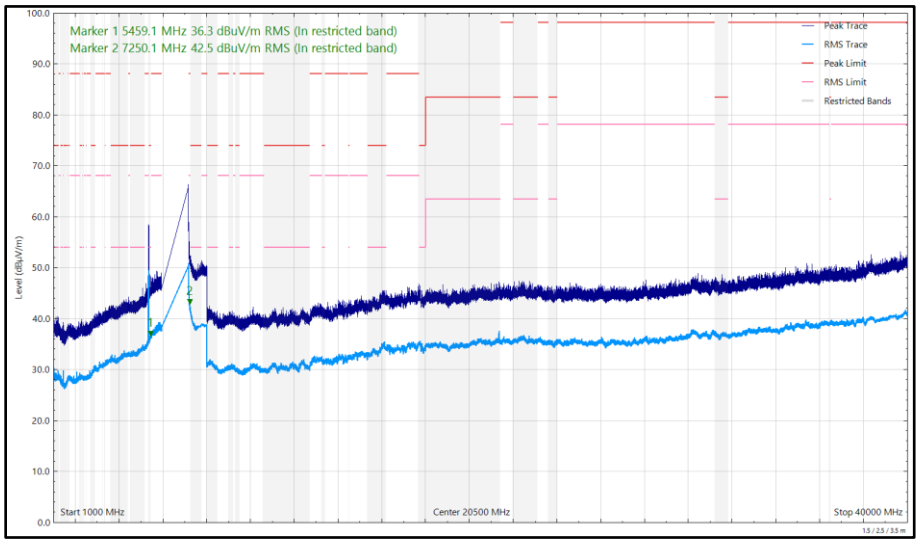

Figure 282 - U-NII-8 - 7115 MHz (CH233), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

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

Table 264 - Radiated Emissions Limit Table (FCC)

2.7.8 Test Location and Test Equipment Used

This test was carried out in RF Chamber 16 and RF Chamber 18.

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
Emissions Software	TUV SUD	EmX V3.4.2	5125	-	Software
Cable 2.92m	Junkosha	MWX241-01000KMS	5413	12	23-May-2025
EMI Test Receiver	Rohde & Schwarz	ESW44	5912	12	07-Aug-2025
Test Receiver	Rohde & Schwarz	ESW44	5914	12	24-May-2025
Cable (K Type 2m)	Junkosha	MWX241-02000KMSKMS/B	5933	12	10-Jun-2025
DRG Horn Antenna (7.5-18GHz)	Schwarzbeck	HWRD750	5939	12	05-May-2025
1500W (300V 12A) AC Power Supply	iTech	IT7324	5957	-	O/P Mon
3m Semi-Anechoic Chamber, Chamber16	Albatross Projects	RF Chamber 16	5972	36	24-May-2025
Mast & Turntable Controller	Maturo Gmbh	FCU3.0	5973	-	TU
Tilt Antenna Mast	Maturo Gmbh	BAM4.5-P	5974	-	TU
Turntable	Maturo Gmbh	TT1.5SI	5975	-	TU
Cable (N to N 1m)	Junkosha	MWX221-01000AMSAMS/B	6009	12	20-May-2025
Horn Antenna (1-10 GHz)	Schwarzbeck	BBHA9120B	6142	12	05-May-2025
SAC Switch Unit	TUV SUD	TUV_SSU_001	6144	12	11-Dec-2024
Digital Multimeter	Fluke	115	6147	12	06-Jun-2025
Humidity & Temperature meter	R.S Components	1364	6148	12	29-Jul-2025
Attenuator 4dB	Pasternack	PE7074-4	6204	24	20-Jun-2026

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
SAC Switch Unit	TUV SUD	TUV_SSU_004 PLC	6349	12	07-May-2025
USB Spectrum Analyser	Signal Hound	SA124B	6383	-	TU
8 GHz High Pass Filter	Wainwright	WHKX 7150 8000 18000 50SS	6427	12	23-Apr-2025
Trilog Super Broadband Test Antenna	Schwarzbeck	VULB 9168	6456	24	10-Feb-2025
Humidity and Temperature Meter	R.S Components	1364	6486	12	04-Jun-2025
3m Semi-Anechoic Chamber	Albatross Projects	Chamber 18	6597	36	07-Feb-2026
Double Ridge Active Horn Antenna (18-40 GHz	Com-Power	AHA-840	6771	24	17-Jan-2025
Pre Amp 8 - 18 GHz	Wright Technologies	APS06-0061	6783	12	23-Apr-2025
Mast & Turntable Controller	Maturo Gmbh	FCU3.0	6795	-	TU
Tilt Antenna Mast	Maturo Gmbh	BAM4.5-P	6796	-	TU
Turntable	Maturo Gmbh	TT1.5SI	6797	-	TU
AC Programmable Power Supply	iTech	IT7324	6812	-	O/P Mon
8M SMA Cable	Junkosha	MWX221-08000AMSAMS/B	6833	12	14-Aug-2025

Table 265

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

2.8 Unwanted Emissions within the 5925-7125 MHz band

2.8.1 Specification Reference

FCC 47 CFR Part 15E, Clause 15.407 (b)

2.8.2 Equipment Under Test and Modification State

A3401, S/N: G2MY7DN2XQ - Modification State 0
A3401, S/N: HHJTCJ96L9 - Modification State 0
A3401, S/N: NXH27LCYXG - Modification State 0

2.8.3 Date of Test

01-October-2024 to 04-November-2024

2.8.4 Test Method

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

2.8.5 Environmental Conditions

Ambient Temperature	20.5 - 22.8 °C
Relative Humidity	48.4 - 59.8 %

2.8.6 Test Results

6 GHz WLAN

SISO

Protocol	Unwanted Emissions Within the RLAN Band	
	Margin (dB)	Frequency (MHz)
802.11a LPI	9.41	7077.800
802.11ax HE20 SU LPI	15.35	7006.000
802.11ax HE40 SU LPI	9.53	6124.235
802.11ax HE80 SU LPI	8.08	6506.000
802.11ax HE160 SU LPI	7.74	6265.000

Table 266 - Unwanted Emissions Within the RLAN Band Summary Results

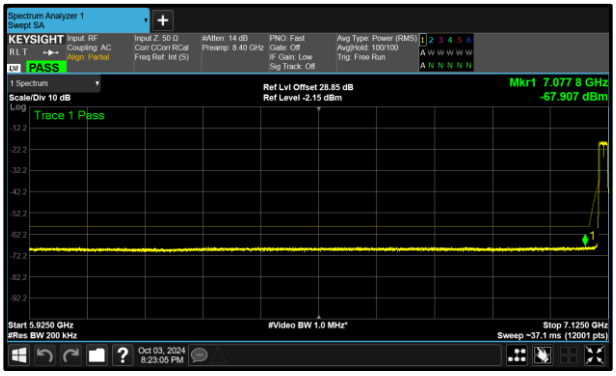

Figure 283 - A (Core 0) 802.11a LPI 7115 MHz (CH233)

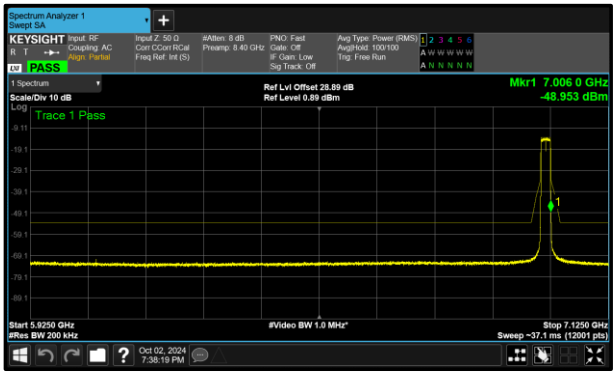

Figure 284 - A (Core 0) 802.11ax HE20 SU LPI 6995 MHz (CH209)

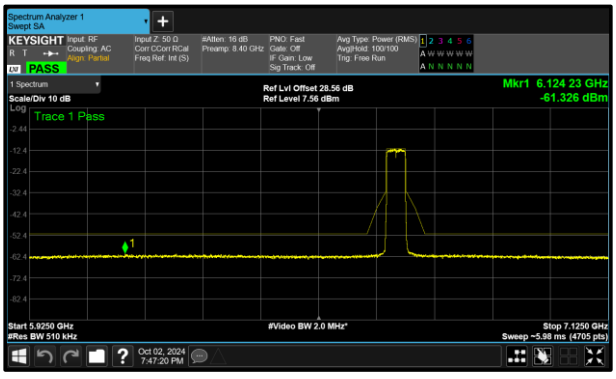

Figure 285 - A (Core 0) 802.11ax HE40 SU LPI 6685 MHz (CH147)

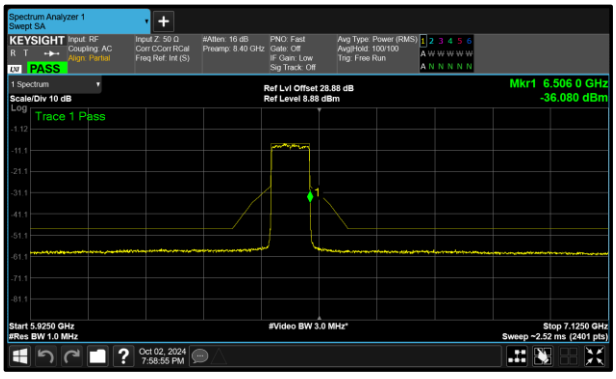

Figure 286 - A (Core 0) 802.11ax HE80 SU LPI 6465 MHz (CH103)

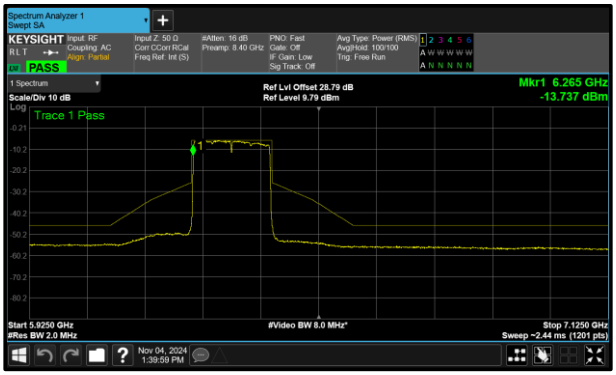

Figure 287 – A (Core 0) 802.11ax HE160 SU LPI 6345 MHz (CH79)

Protocol	Unwanted Emissions Within the RLAN Band	
	Margin (dB)	Frequency (MHz)
802.11ax HE20 RU106 LPI	10.59	6730.200
802.11ax HE20 RU26 LPI	17.18	6525.800
802.11ax HE20 RU52 LPI	10.53	6835.100

Table 267 - Unwanted Emissions Within the RLAN Band Summary Results

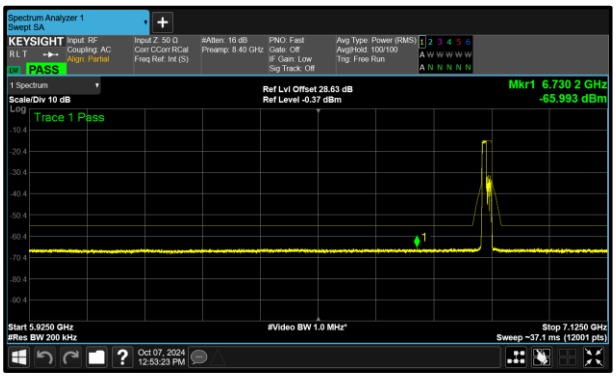

Figure 288 - A (Core 0) 802.11ax HE20 RU106 LPI 6415 MHz (CH93)

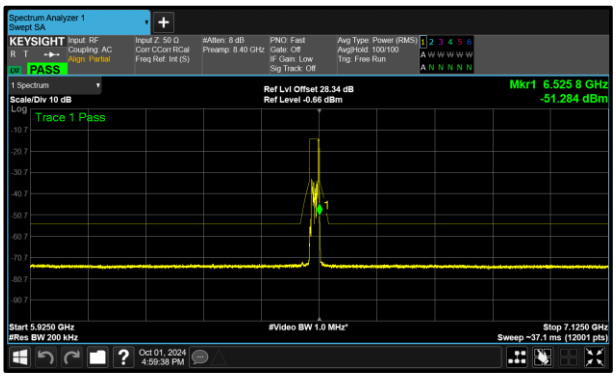

Figure 289 - A (Core 0) 802.11ax HE20 RU26 LPI 6515 MHz (CH113)

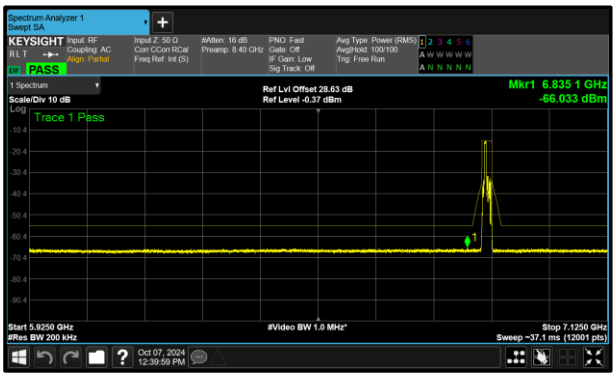

Figure 290 - A (Core 0) 802.11ax HE20 RU52 LPI 6875 MHz (CH185)

Test Configuration			
Frequency Range:	5.925-6.425 GHz 6.425-6.525 GHz 6.525-6.875 GHz 6.875-7.125 GHz	Band:	U-NII-5 U-NII-6 U-NII-7 U-NII-8
Limit Clause(s):	15.407(b)(7)	Test Method(s):	KDB 987594 clause j

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

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
5955	-	11.83	-	-
6175	11.91	-	-	-
6415	10.78	-	-	-
6435	11.31	-	-	-
6475	11.97	-	-	-
6515	11.98	-	-	-
6535	11.07	-	-	-
6695	10.92	-	-	-
6855	10.92	-	-	-
6875	10.91	-	-	-
6895	12.45	-	-	-
6995	12.63	-	-	-
7115	9.41	-	-	-

Table 268 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz 6.425-6.525 GHz 6.525-6.875 GHz 6.875-7.125 GHz	Band:	U-NII-5 U-NII-6 U-NII-7 U-NII-8
Limit Clause(s):	15.407(b)(7)	Test Method(s):	KDB 987594 clause j

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

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
5955	-	16.74	-	-
6175	16.40	-	-	-
6415	16.05	-	-	-
6435	17.47	-	-	-
6475	15.93	-	-	-
6515	16.55	-	-	-
6535	17.06	-	-	-
6695	16.64	-	-	-
6855	16.95	-	-	-
6875	17.23	-	-	-
6895	16.07	-	-	-
6995	15.35	-	-	-
7095	16.88	-	-	-

Table 269 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz 6.425-6.525 GHz 6.525-6.875 GHz 6.875-7.125 GHz	Band:	U-NII-5 U-NII-6 U-NII-7 U-NII-8
Limit Clause(s):	15.407(b)(7)	Test Method(s):	KDB 987594 clause j

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

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
5965	-	10.22	-	-
6165	10.92	-	-	-
6405	11.34	-	-	-
6445	10.41	-	-	-
6485	9.72	-	-	-
6525	9.66	-	-	-
6565	11.32	-	-	-
6685	9.53	-	-	-
6845	11.59	-	-	-
6885	11.37	-	-	-
6925	11.27	-	-	-
7005	12.47	-	-	-
7085	10.52	-	-	-

Table 270 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz 6.425-6.525 GHz 6.525-6.875 GHz 6.875-7.125 GHz	Band:	U-NII-5 U-NII-6 U-NII-7 U-NII-8
Limit Clause(s):	15.407(b)(7)	Test Method(s):	KDB 987594 clause j

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

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
5985	-	9.96	-	-
6145	8.91	-	-	-
6385	9.41	-	-	-
6465	8.08	-	-	-
6545	9.41	-	-	-
6625	8.47	-	-	-
6705	8.27	-	-	-
6785	9.24	-	-	-
6865	9.50	-	-	-
6945	9.08	-	-	-
7025	9.96	-	-	-

Table 271 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz 6.425-6.525 GHz 6.525-6.875 GHz 6.875-7.125 GHz	Band:	U-NII-5 U-NII-6 U-NII-7 U-NII-8
Limit Clause(s):	15.407(b)(7)	Test Method(s):	KDB 987594 clause j

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

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
6025	-	8.18	-	-
6185	8.42	-	-	-
6345	7.74	-	-	-
6505	7.98	-	-	-
6665	8.74	-	-	-
6825	7.85	-	-	-
6985	8.12	-	-	-

Table 272 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz 6.425-6.525 GHz 6.525-6.875 GHz 6.875-7.125 GHz	Band:	U-NII-5 U-NII-6 U-NII-7 U-NII-8
Limit Clause(s):	15.407(b)(7)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE20 RU26 LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	-
Active Port(s):	A (Core 0) | B (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)	-	18.78	-	-
6175 (RU26.0)	20.52	-	-	-
6415 (RU26.8)	17.73	-	-	-
6435 (RU26.0)	19.60	-	-	-
6475 (RU26.0)	20.02	-	-	-
6515 (RU26.8)	17.18	-	-	-
6535 (RU26.0)	19.48	-	-	-
6695 (RU26.0)	20.47	-	-	-
6855 (RU26.8)	17.99	-	-	-
6875 (RU26.3)	20.77	-	-	-
6875 (RU26.5)	21.02	-	-	-
6895 (RU26.0)	19.07	-	-	-
6995 (RU26.0)	18.76	-	-	-
7095 (RU26.8)	18.09	-	-	-

Table 273 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz 6.425-6.525 GHz 6.525-6.875 GHz 6.875-7.125 GHz	Band:	U-NII-5 U-NII-6 U-NII-7 U-NII-8
Limit Clause(s):	15.407(b)(7)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE20 RU52 LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	-
Active Port(s):	A (Core 0) | B (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)	-	12.01	-	-
6175 (RU52.37)	11.69	-	-	-
6415 (RU52.40)	10.53	-	-	-
6435 (RU52.37)	11.61	-	-	-
6475 (RU52.37)	11.23	-	-	-
6515 (RU52.40)	11.88	-	-	-
6535 (RU52.37)	10.61	-	-	-
6695 (RU52.37)	10.64	-	-	-
6855 (RU52.40)	10.65	-	-	-
6875 (RU52.38)	10.53	-	-	-
6875 (RU52.39)	10.83	-	-	-
6895 (RU52.37)	12.07	-	-	-
6995 (RU52.37)	12.57	-	-	-
7095 (RU52.40)	12.22	-	-	-

Table 274 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz 6.425-6.525 GHz 6.525-6.875 GHz 6.875-7.125 GHz	Band:	U-NII-5 U-NII-6 U-NII-7 U-NII-8
Limit Clause(s):	15.407(b)(7)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE20 RU106 LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	-
Active Port(s):	A (Core 0) | B (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)	-	12.59	-	-
6175 (RU106.53)	11.71	-	-	-
6415 (RU106.54)	10.68	-	-	-
6435 (RU106.53)	11.03	-	-	-
6475 (RU106.53)	11.72	-	-	-
6515 (RU106.54)	11.86	-	-	-
6535 (RU106.53)	10.68	-	-	-
6695 (RU106.53)	10.92	-	-	-
6855 (RU106.54)	11.45	-	-	-
6875 (RU106.53)	10.59	-	-	-
6875 (RU106.54)	10.80	-	-	-
6895 (RU106.53)	12.67	-	-	-
6995 (RU106.53)	12.12	-	-	-
7095 (RU106.54)	12.29	-	-	-

Table 275 - Unwanted Emissions Within the Band Results

Protocol	Unwanted Emissions Within the RLAN Band	
	Margin (dB)	Frequency (MHz)
802.11a SP	8.61	6712.500
802.11ax HE20 SU SP	7.31	6720.000
802.11ax HE40 SU SP	5.44	6343.622
802.11ax HE80 SU SP	4.46	6718.000
802.11ax HE160 SU SP	4.81	5933.000

Table 276 - Unwanted Emissions Within the RLAN Band Summary Results

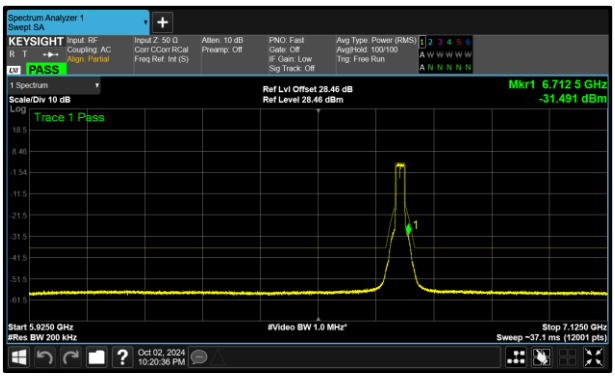

Figure 291 - A (Core 0) 802.11a SP 6695 MHz (CH149)

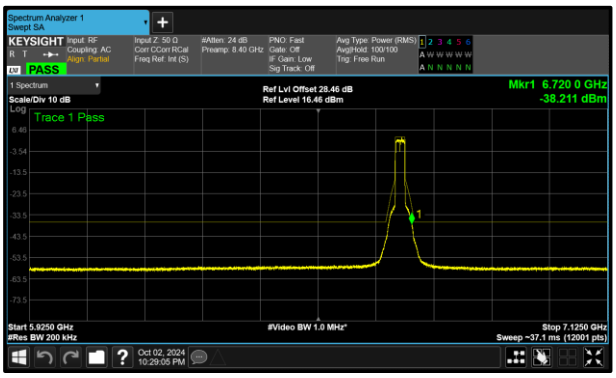

Figure 292 - A (Core 0) 802.11ax HE20 SU SP 6695 MHz (CH149)

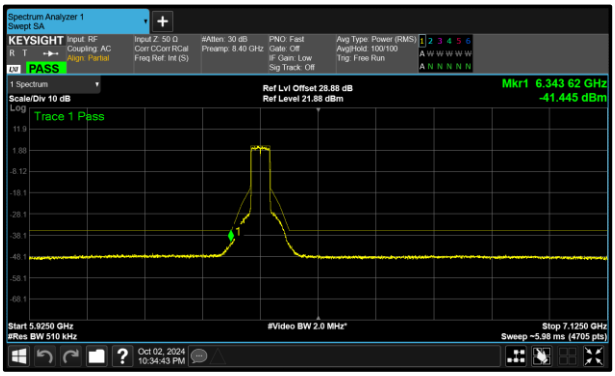

Figure 293 - A (Core 0) 802.11ax HE40 SU SP 6405 MHz (CH91)

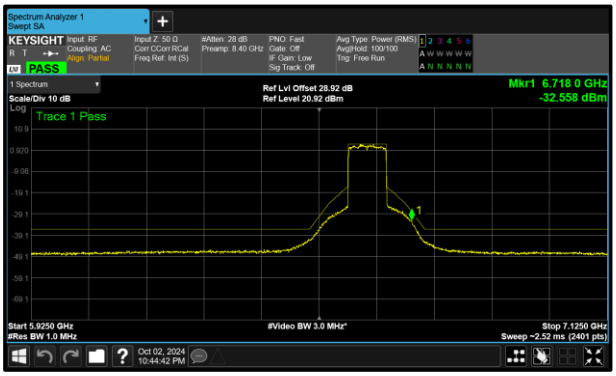

Figure 294 - A (Core 0) 802.11ax HE80 SU SP 6625 MHz (CH135)

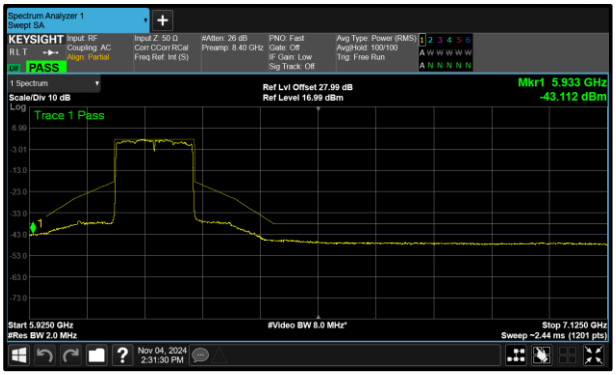

Figure 295 – A (Core 0) 802.11ax HE160 SU SP 6185 MHz (CH47)

Protocol	Unwanted Emissions Within the RLAN Band	
	Margin (dB)	Frequency (MHz)
802.11ax HE20 RU106 SP	17.96	6523.300
802.11ax HE20 RU26 SP	16.92	6425.900
802.11ax HE20 RU52 SP	18.61	6684.200

Table 277 - Unwanted Emissions Within the RLAN Band Summary Results

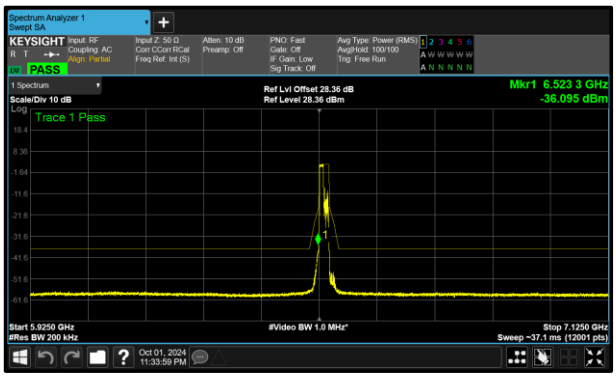

Figure 296 - A (Core 0) 802.11ax HE20 RU106 SP 6535 MHz (CH117)

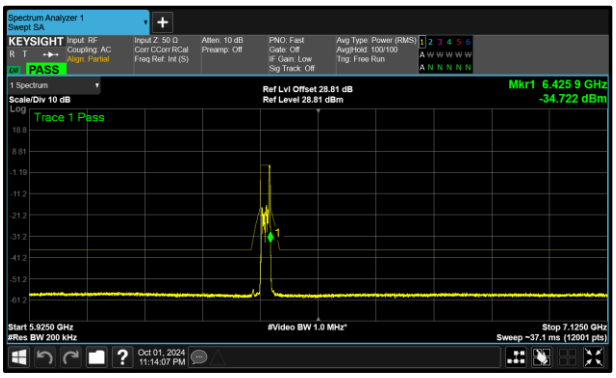

Figure 297 - A (Core 0) 802.11ax HE20 RU26 SP 6415 MHz (CH93)

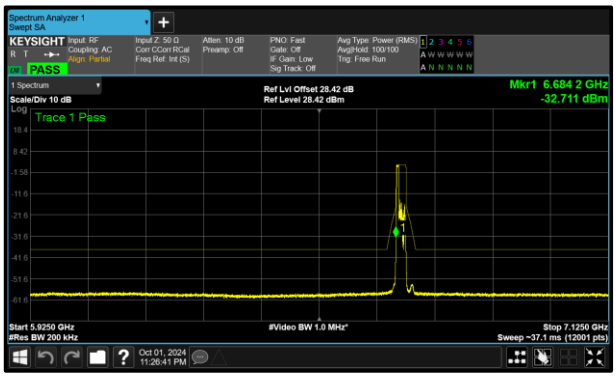

Figure 298 - A (Core 0) 802.11ax HE20 RU52 SP 6695 MHz (CH149)

Test Configuration			
Frequency Range:	5.925-6.425 GHz 6.525-6.875 GHz	Band:	U-NII-5 U-NII-7
Limit Clause(s):	15.407(b)(7)	Test Method(s):	KDB 987594 clause j

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

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
5955	-	11.11	-	-
6175	11.28	-	-	-
6415	9.35	-	-	-
6535	9.35	-	-	-
6695	8.61	-	-	-
6855	11.86	-	-	-

Table 278 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz 6.525-6.875 GHz	Band:	U-NII-5 U-NII-7
Limit Clause(s):	15.407(b)(7)	Test Method(s):	KDB 987594 clause j

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

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
5955	-	9.08	-	-
6175	8.94	-	-	-
6415	7.36	-	-	-
6535	7.72	-	-	-
6695	7.31	-	-	-
6855	9.17	-	-	-

Table 279 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz 6.525-6.875 GHz	Band:	U-NII-5 U-NII-7
Limit Clause(s):	15.407(b)(7)	Test Method(s):	KDB 987594 clause j

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

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
5965	-	7.95	-	-
6165	6.47	-	-	-
6405	5.44	-	-	-
6565	6.15	-	-	-
6685	5.67	-	-	-
6845	5.85	-	-	-

Table 280 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz 6.525-6.875 GHz	Band:	U-NII-5 U-NII-7
Limit Clause(s):	15.407(b)(7)	Test Method(s):	KDB 987594 clause j

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

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
5985	-	8.22	-	-
6145	5.48	-	-	-
6385	5.07	-	-	-
6625	4.46	-	-	-
6705	5.36	-	-	-
6785	4.69	-	-	-

Table 281 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz 6.525-6.875 GHz	Band:	U-NII-5 U-NII-7
Limit Clause(s):	15.407(b)(7)	Test Method(s):	KDB 987594 clause j

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

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
6025	-	6.92	-	-
6185	4.81	-	-	-
6345	4.90	-	-	-
6665	5.06	-	-	-

Table 282 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz 6.525-6.875 GHz	Band:	U-NII-5 U-NII-7
Limit Clause(s):	15.407(b)(7)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE20 RU26 SP	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	-
Active Port(s):	A (Core 0) | B (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)	-	18.68	-	-
6175 (RU26.0)	18.78	-	-	-
6415 (RU26.8)	16.92	-	-	-
6535 (RU26.0)	20.30	-	-	-
6695 (RU26.0)	19.15	-	-	-
6855 (RU26.8)	19.36	-	-	-

Table 283 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz 6.525-6.875 GHz	Band:	U-NII-5 U-NII-7
Limit Clause(s):	15.407(b)(7)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE20 RU52 SP	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	-
Active Port(s):	A (Core 0) | B (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)	-	19.88	-	-
6175 (RU52.37)	19.53	-	-	-
6415 (RU52.40)	19.22	-	-	-
6535 (RU52.37)	19.57	-	-	-
6695 (RU52.37)	18.61	-	-	-
6855 (RU52.40)	19.53	-	-	-

Table 284 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz 6.525-6.875 GHz	Band:	U-NII-5 U-NII-7
Limit Clause(s):	15.407(b)(7)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE20 RU106 SP	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	-
Active Port(s):	A (Core 0) | B (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)	-	19.93	-	-
6175 (RU106.53)	19.13	-	-	-
6415 (RU106.54)	18.37	-	-	-
6535 (RU106.53)	17.96	-	-	-
6695 (RU106.53)	18.74	-	-	-
6855 (RU106.54)	19.17	-	-	-

Table 285 - Unwanted Emissions Within the Band Results

Protocol	Unwanted Emissions Within the RLAN Band	
	Margin (dB)	Frequency (MHz)
802.11a VLP	6.59	6672.900
802.11ax HE20 SU VLP	15.83	6304.700
802.11ax HE40 SU VLP	9.71	6283.929
802.11ax HE80 SU VLP	8.57	5965.500
802.11ax HE160 SU VLP	7.40	6413.000

Table 286 - Unwanted Emissions Within the RLAN Band Summary Results

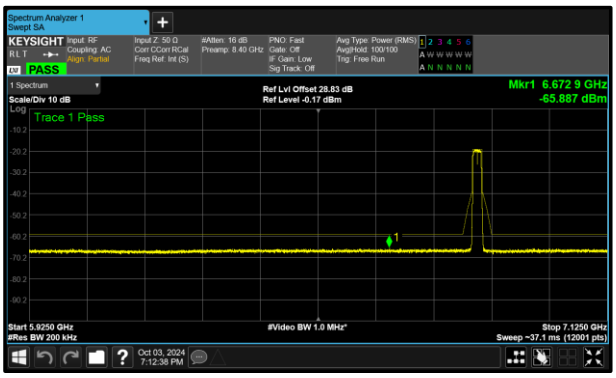

Figure 299 - A (Core 0) 802.11a VLP 6855 MHz (CH181)

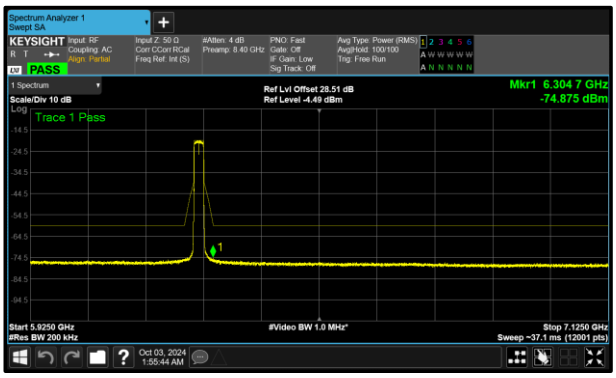

Figure 300 - A (Core 0) 802.11ax HE20 SU VLP 6275 MHz (CH65)

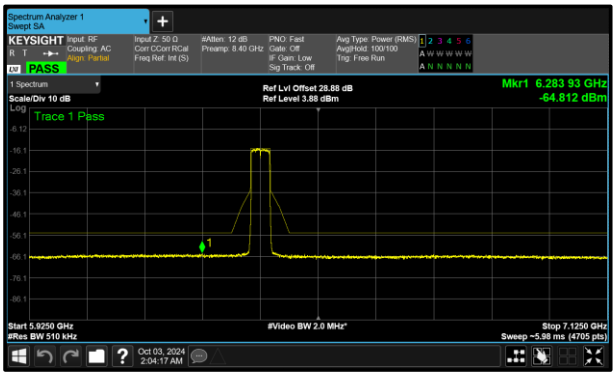

Figure 301 - A (Core 0) 802.11ax HE40 SU VLP 6405 MHz (CH91)

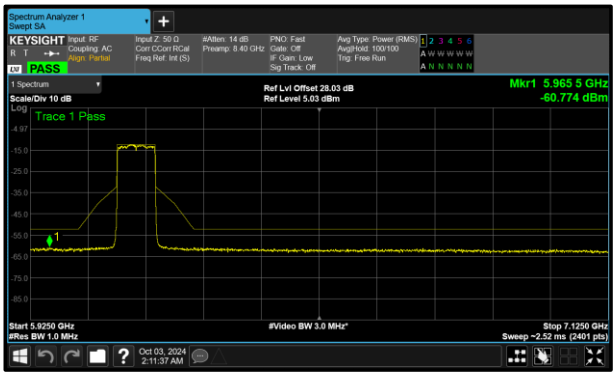

Figure 302 - A (Core 0) 802.11ax HE80 SU VLP 6145 MHz (CH39)

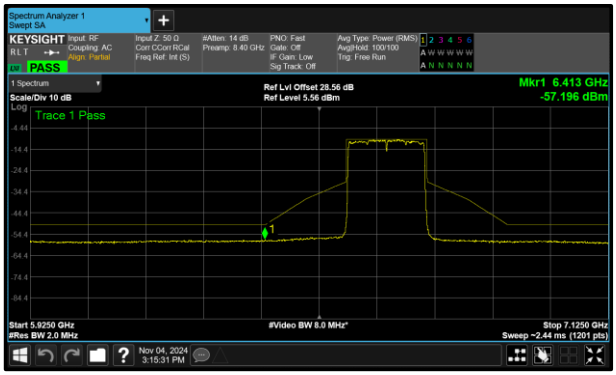

Figure 303 – A (Core 0) 802.11ax HE160 SU VLP 6665 MHz (CH143)

Test Configuration			
Frequency Range:	5.925-6.425 GHz 6.525-6.875 GHz	Band:	U-NII-5 U-NII-7
Limit Clause(s):	15.407(b)	Test Method(s):	KDB 987594 clause j

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

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
6115	8.24	-	-	-
6275	12.28	-	-	-
6415	7.23	-	-	-
6535	6.93	-	-	-
6695	12.74	-	-	-
6855	6.59	-	-	-

Table 287 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz 6.525-6.875 GHz	Band:	U-NII-5 U-NII-7
Limit Clause(s):	15.407(b)	Test Method(s):	KDB 987594 clause j

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

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
6115	15.97	-	-	-
6275	15.83	-	-	-
6415	16.06	-	-	-
6535	16.22	-	-	-
6695	16.22	-	-	-
6855	16.08	-	-	-

Table 288 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz 6.525-6.875 GHz	Band:	U-NII-5 U-NII-7
Limit Clause(s):	15.407(b)	Test Method(s):	KDB 987594 clause j

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

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
6125	10.26	-	-	-
6285	11.43	-	-	-
6405	9.71	-	-	-
6565	10.84	-	-	-
6685	10.05	-	-	-
6845	11.62	-	-	-

Table 289 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz 6.525-6.875 GHz	Band:	U-NII-5 U-NII-7
Limit Clause(s):	15.407(b)	Test Method(s):	KDB 987594 clause j

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

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
6145	8.57	-	-	-
6305	9.28	-	-	-
6385	9.10	-	-	-
6625	9.30	-	-	-
6705	9.10	-	-	-
6785	9.57	-	-	-

Table 290 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz 6.525-6.875 GHz	Band:	U-NII-5 U-NII-7
Limit Clause(s):	15.407(b)	Test Method(s):	KDB 987594 clause j

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

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
6185	8.76	-	-	-
6345	8.36	-	-	-
6665	7.40	-	-	-

Table 291 - Unwanted Emissions Within the Band Results

MIMO CDD

Protocol	Unwanted Emissions Within the RLAN Band	
	Margin (dB)	Frequency (MHz)
802.11ax HE20 SU LPI	15.46	6513.000
802.11ax HE40 SU LPI	10.00	6424.235
802.11ax HE80 SU LPI	8.28	6840.500
802.11ax HE160 SU LPI	6.93	6363.000

Table 292 - Unwanted Emissions Within the RLAN Band Summary Results

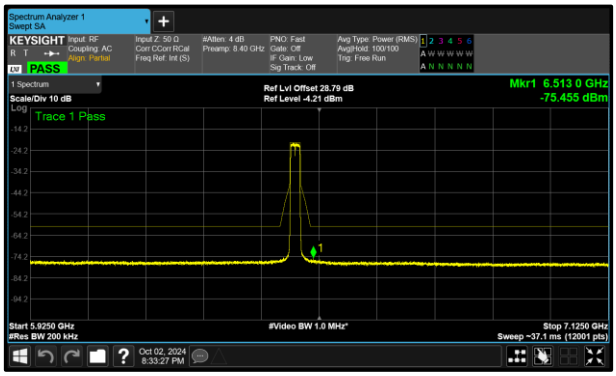

Figure 304 - A (Core 0) 802.11ax HE20 SU LPI 6475 MHz (CH105)

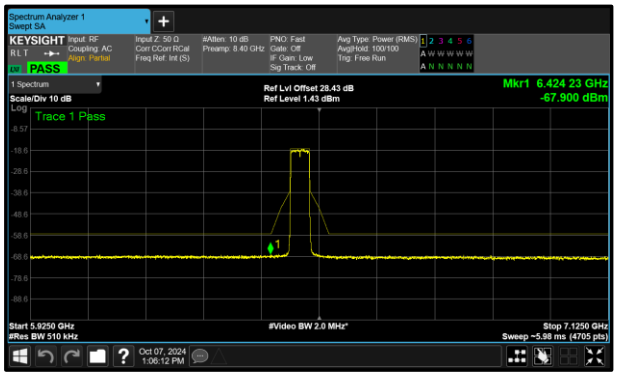

Figure 305 - A (Core 0) 802.11ax HE40 SU LPI 6485 MHz (CH107)

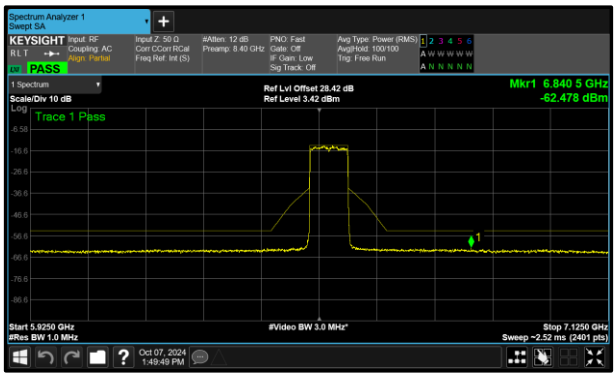

Figure 306 - B (Core 1) 802.11ax HE80 SU LPI 6545 MHz (CH119)

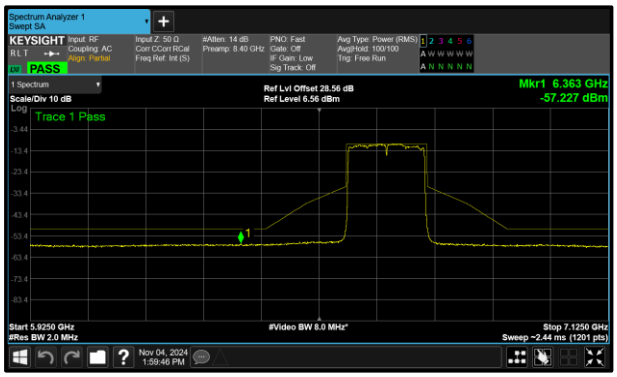

Figure 307 – A (Core 0) 802.11ax HE160 SU LPI 6665 MHz (CH143)

Protocol	Unwanted Emissions Within the RLAN Band	
	Margin (dB)	Frequency (MHz)
802.11ax HE20 RU106 LPI	6.36	5973.200
802.11ax HE20 RU26 LPI	17.11	5936.700
802.11ax HE20 RU52 LPI	15.14	7105.800

Table 293 - Unwanted Emissions Within the RLAN Band Summary Results

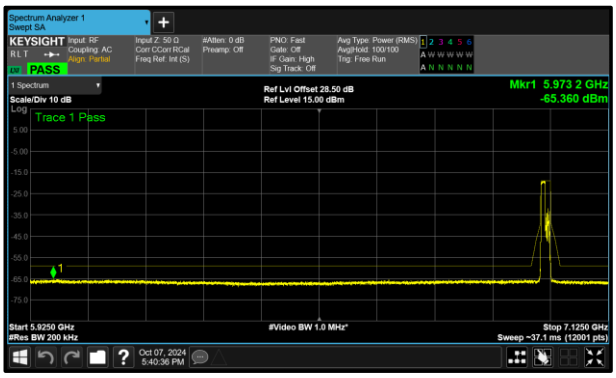

Figure 308 - B (Core 1) 802.11ax HE20 RU106 LPI 6995 MHz (CH209)

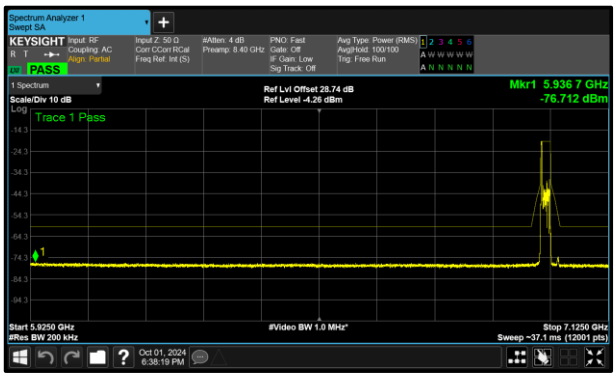

Figure 309 - A (Core 0) 802.11ax HE20 RU26 LPI 6995 MHz (CH209)

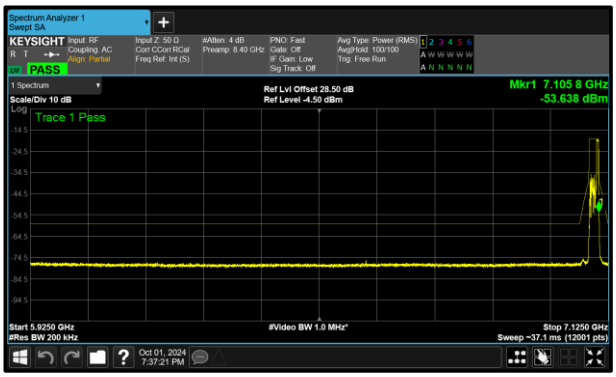

Figure 310 - B (Core 1) 802.11ax HE20 RU52 LPI 7095 MHz (CH229)

Test Configuration			
Frequency Range:	5.925-6.425 GHz 6.425-6.525 GHz 6.525-6.875 GHz 6.875-7.125 GHz	Band:	U-NII-5 U-NII-6 U-NII-7 U-NII-8
Limit Clause(s):	15.407(b)(7)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE20 SU LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	MIMO CDD	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
5955	16.41	16.87	-	-
6175	16.37	16.61	-	-
6415	15.60	16.03	-	-
6435	15.63	15.94	-	-
6475	15.46	16.15	-	-
6515	15.64	16.15	-	-
6535	15.73	15.89	-	-
6695	16.16	16.13	-	-
6855	15.99	15.78	-	-
6875	15.78	16.04	-	-
6895	16.30	15.97	-	-
6995	16.68	15.96	-	-
7095	16.11	15.91	-	-

Table 294 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz 6.425-6.525 GHz 6.525-6.875 GHz 6.875-7.125 GHz	Band:	U-NII-5 U-NII-6 U-NII-7 U-NII-8
Limit Clause(s):	15.407(b)(7)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE40 SU LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	MIMO CDD	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
5965	10.18	11.08	-	-
6165	10.77	12.03	-	-
6405	10.81	11.51	-	-
6445	10.30	10.70	-	-
6485	10.00	10.51	-	-
6525	10.01	10.57	-	-
6565	10.36	10.67	-	-
6685	10.59	10.82	-	-
6845	11.76	10.92	-	-
6885	10.27	10.87	-	-
6925	10.93	12.39	-	-
7005	11.54	11.42	-	-
7085	11.29	10.42	-	-

Table 295 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz 6.425-6.525 GHz 6.525-6.875 GHz 6.875-7.125 GHz	Band:	U-NII-5 U-NII-6 U-NII-7 U-NII-8
Limit Clause(s):	15.407(b)(7)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE80 SU LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	MIMO CDD	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	9.44	9.37	-	-
6145	9.04	9.60	-	-
6385	9.41	8.61	-	-
6465	9.78	9.17	-	-
6545	9.32	8.28	-	-
6625	9.50	8.82	-	-
6705	8.99	9.85	-	-
6785	9.33	9.46	-	-
6865	9.98	9.89	-	-
6945	10.09	10.00	-	-
7025	10.93	10.28	-	-

Table 296 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz 6.425-6.525 GHz 6.525-6.875 GHz 6.875-7.125 GHz	Band:	U-NII-5 U-NII-6 U-NII-7 U-NII-8
Limit Clause(s):	15.407(b)(7)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE160 SU LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	MIMO CDD	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
6025	7.13	8.36	-	-
6185	8.14	7.61	-	-
6345	7.61	8.21	-	-
6505	8.23	8.66	-	-
6665	6.93	7.65	-	-
6825	6.98	8.54	-	-
6985	8.12	7.99	-	-

Table 297 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	6.875-7.125 GHz	Band:	U-NII-8
Limit Clause(s):	15.407(b)(7)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE20 RU26 LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	MIMO CDD	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
6895 (RU26.0)	17.71	18.04	-	-
6995 (RU26.0)	17.11	17.79	-	-
7095 (RU26.8)	17.60	17.13	-	-

Table 298 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz 6.425-6.525 GHz 6.525-6.875 GHz 6.875-7.125 GHz	Band:	U-NII-5 U-NII-6 U-NII-7 U-NII-8
Limit Clause(s):	15.407(b)(7)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE20 RU52 LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	MIMO CDD	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
5955 (RU52.37)	17.36	17.40	-	-
6175 (RU52.37)	17.43	17.55	-	-
6415 (RU52.40)	16.23	16.88	-	-
6435 (RU52.37)	16.41	16.86	-	-
6475 (RU52.37)	16.97	16.88	-	-
6515 (RU52.40)	17.02	16.71	-	-
6535 (RU52.37)	17.02	16.74	-	-
6695 (RU52.37)	17.00	16.09	-	-
6855 (RU52.40)	16.82	16.09	-	-
6875 (RU52.38)	16.66	16.13	-	-
6875 (RU52.39)	16.71	16.05	-	-
6895 (RU52.37)	17.68	17.48	-	-
6995 (RU52.37)	17.35	17.99	-	-
7095 (RU52.40)	17.53	15.14	-	-

Table 299 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz 6.425-6.525 GHz 6.525-6.875 GHz 6.875-7.125 GHz	Band:	U-NII-5 U-NII-6 U-NII-7 U-NII-8
Limit Clause(s):	15.407(b)(7)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE20 RU106 LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	MIMO CDD	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
5955 (RU106.53)	17.51	17.18	-	-
6175 (RU106.53)	17.05	17.23	-	-
6415 (RU106.54)	16.43	17.06	-	-
6435 (RU106.53)	16.28	16.60	-	-
6475 (RU106.53)	16.64	16.56	-	-
6515 (RU106.54)	16.57	16.66	-	-
6535 (RU106.53)	16.47	16.38	-	-
6695 (RU106.53)	16.68	16.37	-	-
6855 (RU106.54)	16.60	15.72	-	-
6875 (RU106.53)	16.56	16.07	-	-
6875 (RU106.54)	16.50	16.41	-	-
6895 (RU106.53)	10.25	10.71	-	-
6995 (RU106.53)	10.40	6.36	-	-
7095 (RU106.54)	10.31	6.86	-	-

Table 300 - Unwanted Emissions Within the Band Results

Protocol	Unwanted Emissions Within the RLAN Band	
	Margin (dB)	Frequency (MHz)
802.11ax HE20 SU SP	16.17	5965.800
802.11ax HE40 SU SP	8.20	6344.133
802.11ax HE80 SU SP	5.03	6023.000
802.11ax HE160 SU SP	3.51	5938.000

Table 301 - Unwanted Emissions Within the RLAN Band Summary Results

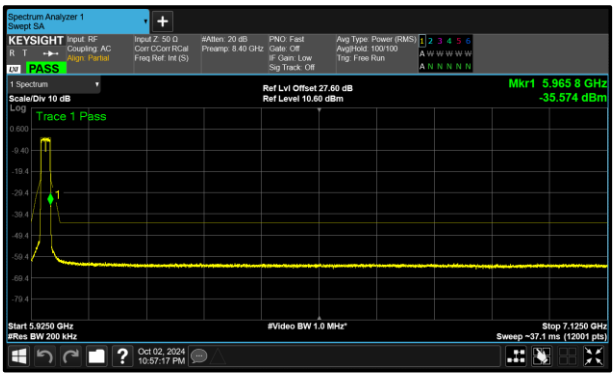

Figure 311 - B (Core 1) 802.11ax HE20 SU SP 5955 MHz (CH1)

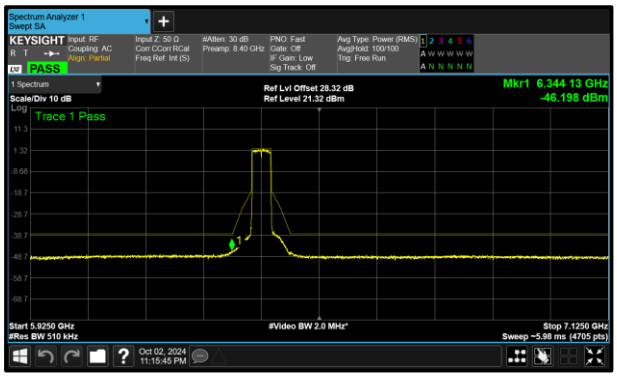

Figure 312 - B (Core 1) 802.11ax HE40 SU SP 6405 MHz (CH91)

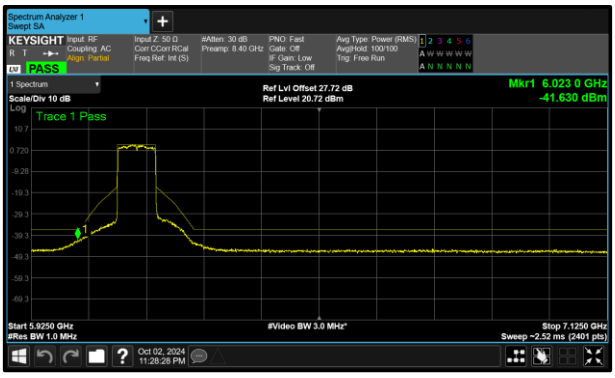

Figure 313 - B (Core 1) 802.11ax HE80 SU SP 6145 MHz (CH39)

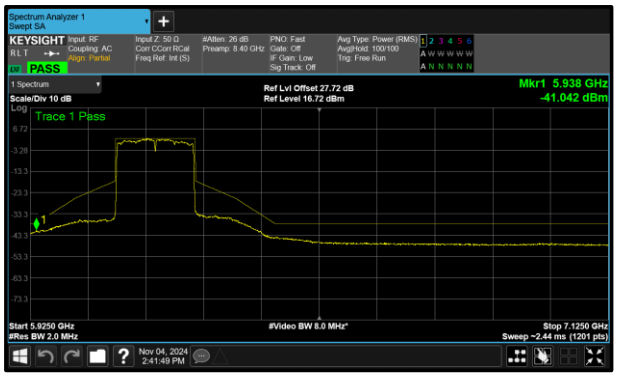

Figure 314 – B (Core 1) 802.11ax HE160 SU SP 6185 MHz (CH47)

Protocol	Unwanted Emissions Within the RLAN Band	
	Margin (dB)	Frequency (MHz)
802.11ax HE20 RU106 SP	14.72	6068.300
802.11ax HE20 RU26 SP	14.40	6118.100
802.11ax HE20 RU52 SP	14.63	6074.800

Table 302 - Unwanted Emissions Within the RLAN Band Summary Results

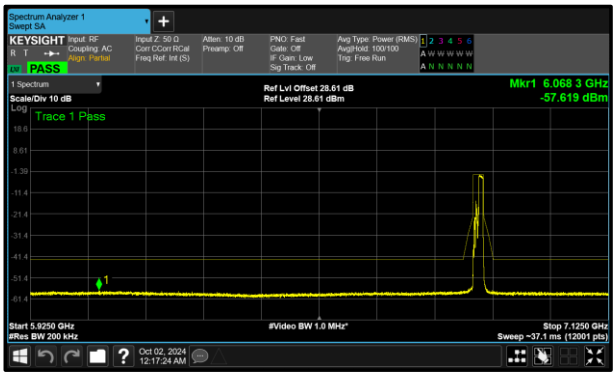

Figure 315 - A (Core 0) 802.11ax HE20 RU106 SP 6855 MHz (CH181)

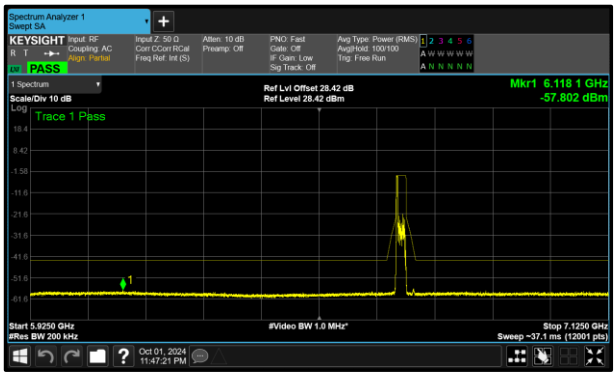

Figure 316 - A (Core 0) 802.11ax HE20 RU26 SP 6695 MHz (CH149)

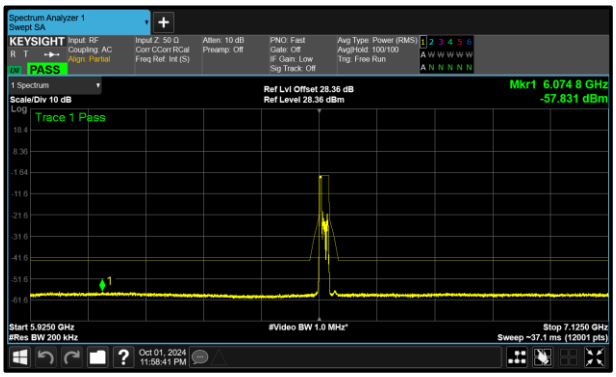

Figure 317 - A (Core 0) 802.11ax HE20 RU52 SP 6535 MHz (CH117)

Test Configuration			
Frequency Range:	5.925-6.425 GHz 6.525-6.875 GHz	Band:	U-NII-5 U-NII-7
Limit Clause(s):	15.407(b)(7)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE20 SU SP	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	MIMO CDD	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
5955	17.10	16.17	-	-
6175	17.14	17.12	-	-
6415	17.02	17.25	-	-
6535	16.37	17.59	-	-
6695	17.06	16.20	-	-
6855	17.92	17.93	-	-

Table 303 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz 6.525-6.875 GHz	Band:	U-NII-5 U-NII-7
Limit Clause(s):	15.407(b)(7)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE40 SU SP	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	MIMO CDD	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
5965	10.29	10.77	-	-
6165	10.36	9.76	-	-
6405	9.94	8.20	-	-
6565	8.27	9.92	-	-
6685	10.17	8.98	-	-
6845	9.95	9.99	-	-

Table 304 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz 6.525-6.875 GHz	Band:	U-NII-5 U-NII-7
Limit Clause(s):	15.407(b)(7)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE80 SU SP	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	MIMO CDD	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	9.26	8.55	-	-
6145	6.42	5.03	-	-
6385	5.71	6.21	-	-
6625	5.16	5.53	-	-
6705	6.58	6.34	-	-
6785	5.83	5.60	-	-

Table 305 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz 6.525-6.875 GHz	Band:	U-NII-5 U-NII-7
Limit Clause(s):	15.407(b)(7)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE160 SU SP	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	MIMO CDD	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
6025	7.11	7.12	-	-
6185	4.56	3.51	-	-
6345	4.24	3.82	-	-
6665	5.28	6.61	-	-

Table 306 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz 6.525-6.875 GHz	Band:	U-NII-5 U-NII-7
Limit Clause(s):	15.407(b)(7)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE20 RU26 SP	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	MIMO CDD	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
5955 (RU26.0)	14.95	15.80	-	-
6175 (RU26.0)	15.07	16.32	-	-
6415 (RU26.8)	14.63	15.94	-	-
6535 (RU26.0)	15.01	15.45	-	-
6695 (RU26.0)	14.40	15.61	-	-
6855 (RU26.8)	14.83	15.31	-	-

Table 307 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz 6.525-6.875 GHz	Band:	U-NII-5 U-NII-7
Limit Clause(s):	15.407(b)(7)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE20 RU52 SP	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	MIMO CDD	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
5955 (RU52.37)	14.84	15.77	-	-
6175 (RU52.37)	15.24	16.24	-	-
6415 (RU52.40)	15.17	15.75	-	-
6535 (RU52.37)	14.63	15.52	-	-
6695 (RU52.37)	15.11	15.89	-	-
6855 (RU52.40)	14.96	15.54	-	-

Table 308 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz 6.525-6.875 GHz	Band:	U-NII-5 U-NII-7
Limit Clause(s):	15.407(b)(7)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE20 RU106 SP	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	MIMO CDD	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
5955 (RU106.53)	15.11	15.76	-	-
6175 (RU106.53)	15.50	16.24	-	-
6415 (RU106.54)	15.10	16.56	-	-
6535 (RU106.53)	15.67	16.07	-	-
6695 (RU106.53)	15.04	15.55	-	-
6855 (RU106.54)	14.72	15.16	-	-

Table 309 - Unwanted Emissions Within the Band Results

Protocol	Unwanted Emissions Within the RLAN Band	
	Margin (dB)	Frequency (MHz)
802.11ax HE40 SU VLP	9.47	6150.510
802.11ax HE80 SU VLP	7.95	6763.500
802.11ax HE160 SU VLP	6.95	6087.000

Table 310 - Unwanted Emissions Within the RLAN Band Summary Results

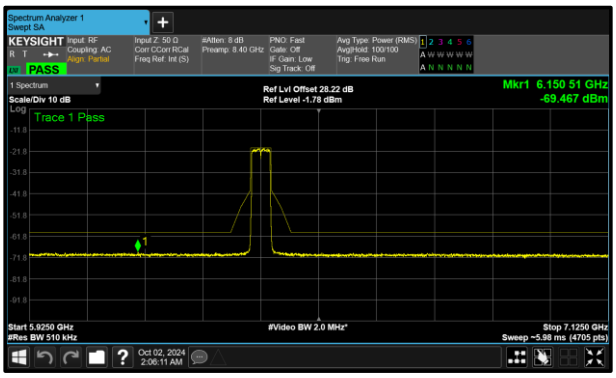

Figure 318 - B (Core 1) 802.11ax HE40 SU VLP 6405 MHz (CH91)

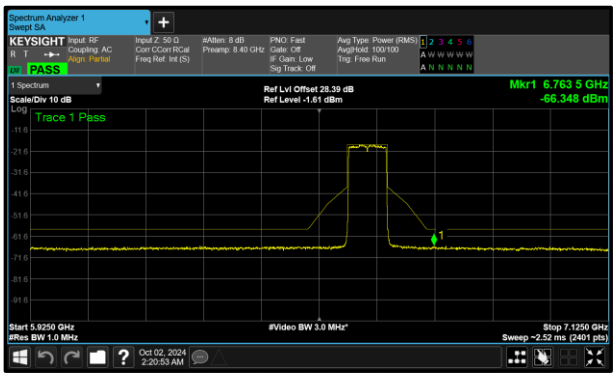

Figure 319 - B (Core 1) 802.11ax HE80 SU VLP 6625 MHz (CH135)

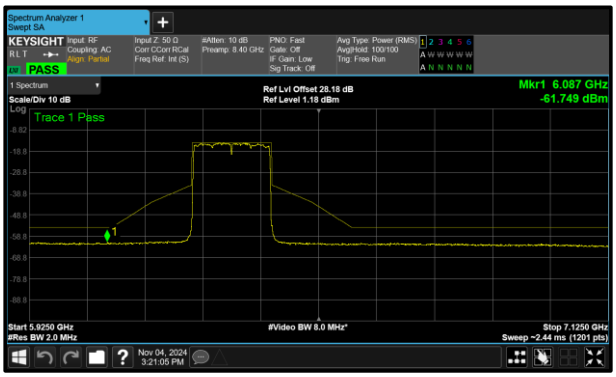

Figure 320 – B (Core 1) 802.11ax HE160 SU VLP 6345 MHz (CH79)

Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	15.407(b)(7)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE40 SU VLP	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	MIMO CDD	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
6285	11.11	9.70	-	-
6325	10.79	9.51	-	-
6405	10.73	9.47	-	-

Table 311 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz 6.525-6.875 GHz	Band:	U-NII-5 U-NII-7
Limit Clause(s):	15.407(b)(7)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE80 SU VLP	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	MIMO CDD	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
6145	9.69	9.44	-	-
6305	8.95	8.83	-	-
6385	9.16	9.46	-	-
6625	8.80	7.95	-	-
6705	8.16	8.95	-	-
6785	9.72	9.53	-	-

Table 312 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz 6.525-6.875 GHz	Band:	U-NII-5 U-NII-7
Limit Clause(s):	15.407(b)(7)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE160 SU VLP	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	MIMO CDD	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
6185	7.69	8.37	-	-
6345	7.45	6.95	-	-
6665	8.18	7.22	-	-

Table 313 - Unwanted Emissions Within the Band Results

MIMO SDM

Protocol	Unwanted Emissions Within the RLAN Band	
	Margin (dB)	Frequency (MHz)
802.11ax HE20 SU LPI	15.50	6546.000
802.11ax HE40 SU LPI	9.09	6098.210
802.11ax HE80 SU LPI	8.04	6586.000
802.11ax HE160 SU LPI	7.79	5928.000

Table 314 - Unwanted Emissions Within the RLAN Band Summary Results

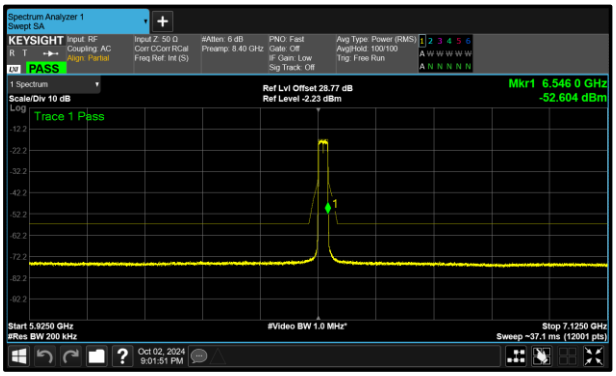

Figure 321 - A (Core 0) 802.11ax HE20 SU LPI 6535 MHz (CH117)

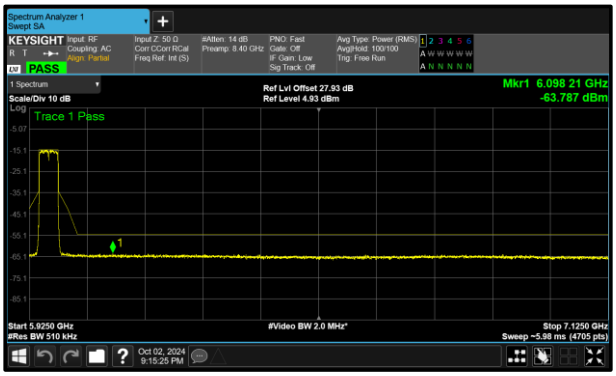

Figure 322 - A (Core 0) 802.11ax HE40 SU LPI 5965 MHz (CH3)

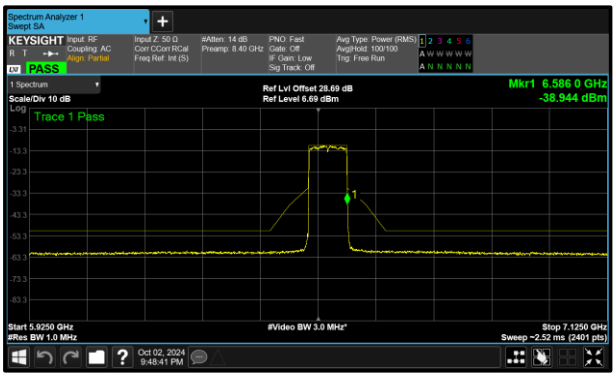

Figure 323 - B (Core 1) 802.11ax HE80 SU LPI 6545 MHz (CH119)

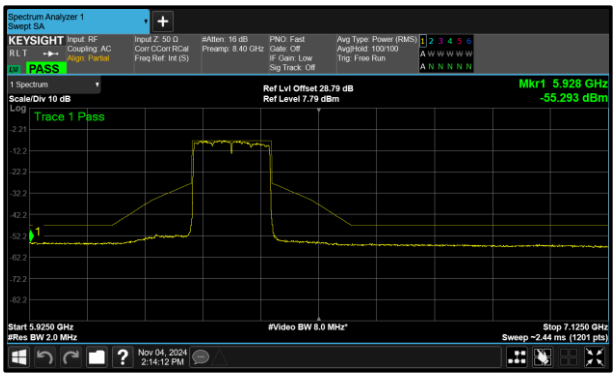

Figure 324 – A (Core 0) 802.11ax HE160 SU LPI 6345 MHz (CH79)

Protocol	Unwanted Emissions Within the RLAN Band	
	Margin (dB)	Frequency (MHz)
802.11ax HE20 RU106 LPI	9.96	6744.500
802.11ax HE20 RU26 LPI	16.52	5925.900
802.11ax HE20 RU52 LPI	12.37	7064.600

Table 315 - Unwanted Emissions Within the RLAN Band Summary Results

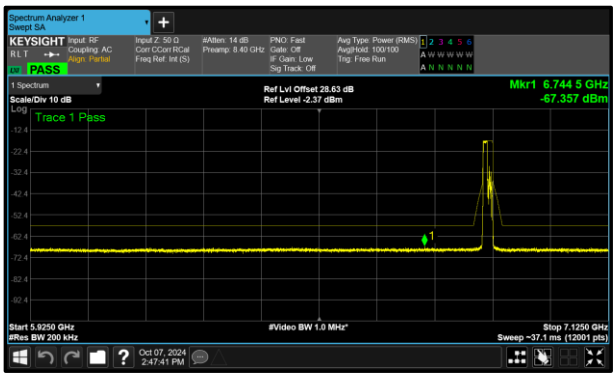

Figure 325 - A (Core 0) 802.11ax HE20 RU106 LPI 6875 MHz (CH185)

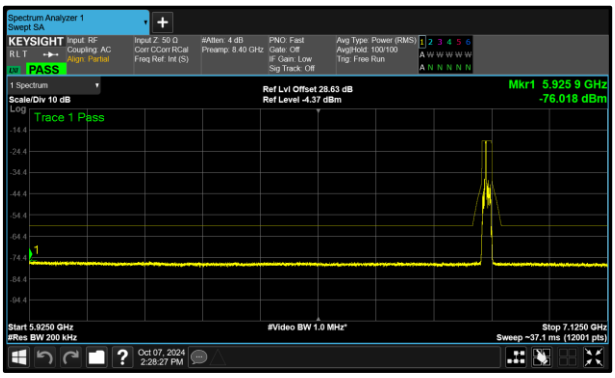

Figure 326 - A (Core 0) 802.11ax HE20 RU26 LPI 6875 MHz (CH185)

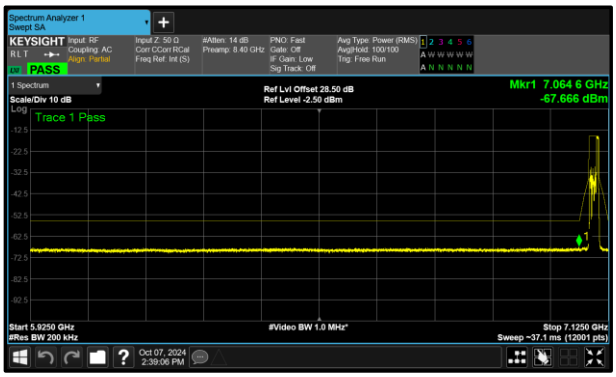

Figure 327 - B (Core 1) 802.11ax HE20 RU52 LPI 7095 MHz (CH229)

Test Configuration			
Frequency Range:	5.925-6.425 GHz 6.425-6.525 GHz 6.525-6.875 GHz 6.875-7.125 GHz	Band:	U-NII-5 U-NII-6 U-NII-7 U-NII-8
Limit Clause(s):	15.407(b)(7)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE20 SU LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	-
Antenna Configuration:	MIMO SDM	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
5955	16.97	17.80	-	-
6175	16.37	16.17	-	-
6415	16.29	16.35	-	-
6435	17.01	16.65	-	-
6475	17.02	16.86	-	-
6515	16.25	16.59	-	-
6535	15.50	16.93	-	-
6695	17.11	17.84	-	-
6855	17.85	17.45	-	-
6875	16.90	15.97	-	-
6895	15.63	15.92	-	-
6995	15.94	16.20	-	-
7095	17.04	16.36	-	-

Table 316 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz 6.425-6.525 GHz 6.525-6.875 GHz 6.875-7.125 GHz	Band:	U-NII-5 U-NII-6 U-NII-7 U-NII-8
Limit Clause(s):	15.407(b)(7)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE40 SU LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	-
Antenna Configuration:	MIMO SDM	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
5965	9.09	11.39	-	-
6165	10.26	10.69	-	-
6405	10.07	10.31	-	-
6445	9.62	11.38	-	-
6485	10.50	10.91	-	-
6525	9.61	9.66	-	-
6565	11.05	11.19	-	-
6685	11.42	10.44	-	-
6845	10.95	11.20	-	-
6885	11.05	11.35	-	-
6925	11.28	12.40	-	-
7005	12.31	10.79	-	-
7085	11.16	11.28	-	-

Table 317 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz 6.425-6.525 GHz 6.525-6.875 GHz 6.875-7.125 GHz	Band:	U-NII-5 U-NII-6 U-NII-7 U-NII-8
Limit Clause(s):	15.407(b)(7)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE80 SU LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	-
Antenna Configuration:	MIMO SDM	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	9.73	9.12	-	-
6145	9.24	9.55	-	-
6385	9.83	9.68	-	-
6465	8.91	9.38	-	-
6545	9.50	8.04	-	-
6625	9.21	9.63	-	-
6705	9.52	8.89	-	-
6785	9.51	9.89	-	-
6865	8.87	8.08	-	-
6945	8.93	9.82	-	-
7025	9.28	9.24	-	-

Table 318 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz 6.425-6.525 GHz 6.525-6.875 GHz 6.875-7.125 GHz	Band:	U-NII-5 U-NII-6 U-NII-7 U-NII-8
Limit Clause(s):	15.407(b)(7)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE160 SU LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	-
Antenna Configuration:	MIMO SDM	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
6025	8.37	8.28	-	-
6185	8.28	8.81	-	-
6345	7.79	8.11	-	-
6505	7.88	7.95	-	-
6665	8.22	9.67	-	-
6825	8.04	7.98	-	-
6985	8.99	8.49	-	-

Table 319 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz 6.425-6.525 GHz 6.525-6.875 GHz 6.875-7.125 GHz	Band:	U-NII-5 U-NII-6 U-NII-7 U-NII-8
Limit Clause(s):	15.407(b)(7)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE20 RU26 LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	-
Antenna Configuration:	MIMO SDM	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
5955 (RU26.0)	17.17	18.55	-	-
6175 (RU26.0)	18.78	19.22	-	-
6415 (RU26.8)	19.30	18.81	-	-
6435 (RU26.0)	19.41	19.64	-	-
6475 (RU26.0)	19.15	19.12	-	-
6515 (RU26.8)	19.46	19.64	-	-
6535 (RU26.0)	18.86	18.16	-	-
6695 (RU26.0)	17.07	16.95	-	-
6855 (RU26.8)	16.96	16.58	-	-
6875 (RU26.3)	16.52	17.38	-	-
6875 (RU26.5)	18.40	18.19	-	-
6895 (RU26.0)	20.47	19.74	-	-
6995 (RU26.0)	19.32	19.98	-	-
7095 (RU26.8)	19.52	19.06	-	-

Table 320 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz 6.425-6.525 GHz 6.525-6.875 GHz 6.875-7.125 GHz	Band:	U-NII-5 U-NII-6 U-NII-7 U-NII-8
Limit Clause(s):	15.407(b)(7)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE20 RU52 LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	-
Antenna Configuration:	MIMO SDM	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
5955 (RU52.37)	18.56	18.90	-	-
6175 (RU52.37)	18.63	17.41	-	-
6415 (RU52.40)	18.28	16.41	-	-
6435 (RU52.37)	16.89	18.17	-	-
6475 (RU52.37)	17.72	18.05	-	-
6515 (RU52.40)	17.76	17.05	-	-
6535 (RU52.37)	18.64	18.82	-	-
6695 (RU52.37)	18.98	18.72	-	-
6855 (RU52.40)	19.19	15.20	-	-
6875 (RU52.38)	18.85	17.87	-	-
6875 (RU52.39)	18.97	18.08	-	-
6895 (RU52.37)	13.34	13.30	-	-
6995 (RU52.37)	12.93	12.97	-	-
7095 (RU52.40)	12.37	12.37	-	-

Table 321 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz 6.425-6.525 GHz 6.525-6.875 GHz 6.875-7.125 GHz	Band:	U-NII-5 U-NII-6 U-NII-7 U-NII-8
Limit Clause(s):	15.407(b)(7)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE20 RU106 LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	-
Antenna Configuration:	MIMO SDM	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
5955 (RU106.53)	12.10	12.96	-	-
6175 (RU106.53)	12.72	12.55	-	-
6415 (RU106.54)	13.36	13.41	-	-
6435 (RU106.53)	13.20	13.14	-	-
6475 (RU106.53)	11.24	10.97	-	-
6515 (RU106.54)	11.23	11.25	-	-
6535 (RU106.53)	10.55	10.94	-	-
6695 (RU106.53)	10.52	10.78	-	-
6855 (RU106.54)	10.76	10.93	-	-
6875 (RU106.53)	9.96	10.78	-	-
6875 (RU106.54)	10.50	10.85	-	-
6895 (RU106.53)	11.97	12.32	-	-
6995 (RU106.53)	11.89	12.16	-	-
7095 (RU106.54)	11.92	12.12	-	-

Table 322 - Unwanted Emissions Within the Band Results

Protocol	Unwanted Emissions Within the RLAN Band	
	Margin (dB)	Frequency (MHz)
802.11ax HE20 SU SP	13.22	6385.100
802.11ax HE40 SU SP	3.51	6609.690
802.11ax HE80 SU SP	2.55	6719.500
802.11ax HE160 SU SP	3.71	6092.000

Table 323 - Unwanted Emissions Within the RLAN Band Summary Results

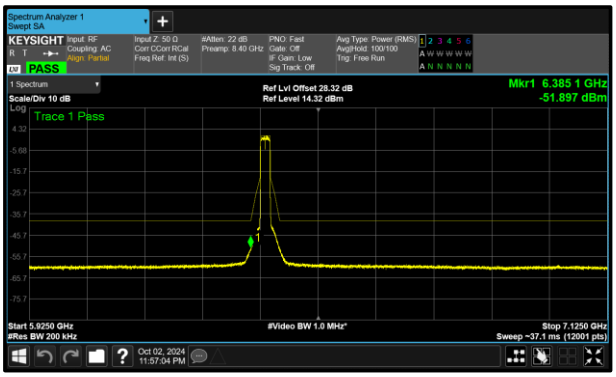

Figure 328 - B (Core 1) 802.11ax HE20 SU SP 6415 MHz (CH93)

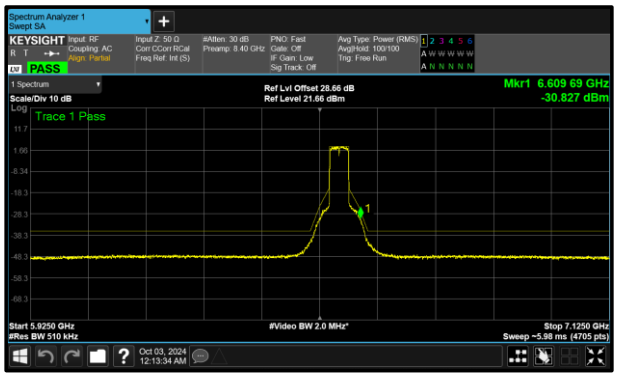

Figure 329 - B (Core 1) 802.11ax HE40 SU SP 6565 MHz (CH123)

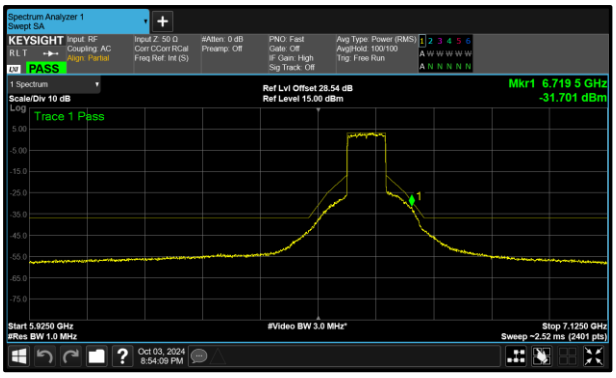

Figure 330 - B (Core 1) 802.11ax HE80 SU SP 6625 MHz (CH135)

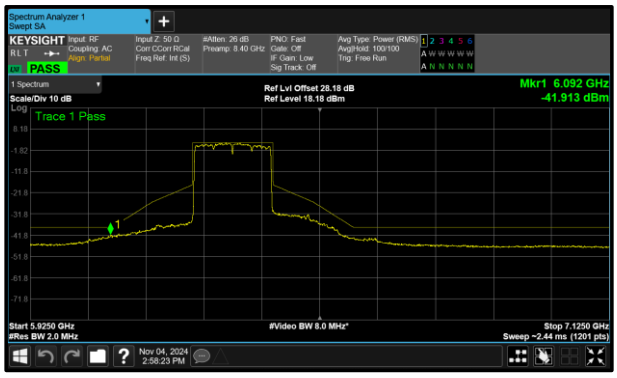

Figure 331 – B (Core 1) 802.11ax HE160 SU SP 6345 MHz (CH79)

Protocol	Unwanted Emissions Within the RLAN Band	
	Margin (dB)	Frequency (MHz)
802.11ax HE20 RU106 SP	17.58	6821.000
802.11ax HE20 RU26 SP	15.36	6425.800
802.11ax HE20 RU52 SP	15.24	6425.800

Table 324 - Unwanted Emissions Within the RLAN Band Summary Results

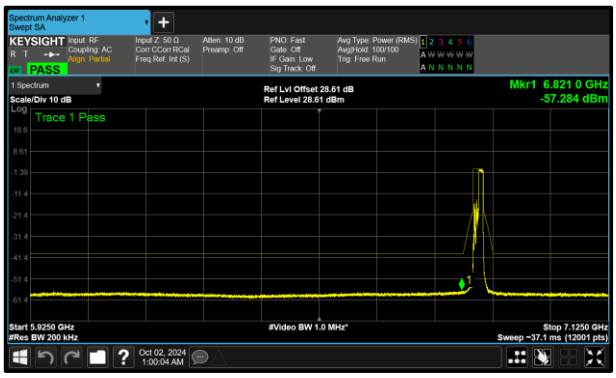

Figure 332 - A (Core 0) 802.11ax HE20 RU106 SP 6855 MHz (CH181)

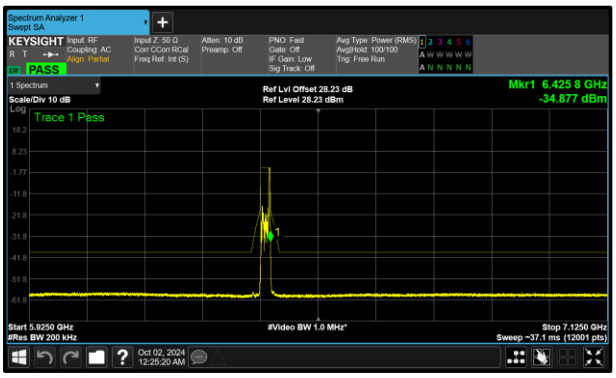

Figure 333 - B (Core 1) 802.11ax HE20 RU26 SP 6415 MHz (CH93)

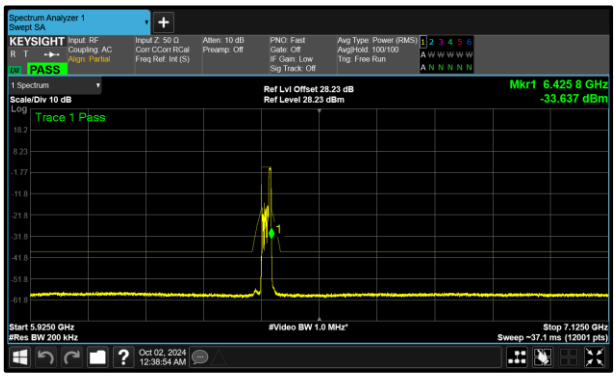

Figure 334 - B (Core 1) 802.11ax HE20 RU52 SP 6415 MHz (CH93)

Test Configuration			
Frequency Range:	5.925-6.425 GHz 6.525-6.875 GHz	Band:	U-NII-5 U-NII-7
Limit Clause(s):	15.407(b)(7)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE20 SU SP	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	-
Antenna Configuration:	MIMO SDM	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
5955	16.51	16.58	-	-
6175	15.90	15.61	-	-
6415	14.01	13.22	-	-
6535	15.69	15.99	-	-
6695	15.95	14.69	-	-
6855	15.73	14.68	-	-

Table 325 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz 6.525-6.875 GHz	Band:	U-NII-5 U-NII-7
Limit Clause(s):	15.407(b)(7)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE40 SU SP	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	-
Antenna Configuration:	MIMO SDM	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
5965	9.46	7.92	-	-
6165	6.06	6.70	-	-
6405	5.94	4.12	-	-
6565	5.66	3.51	-	-
6685	4.73	3.69	-	-
6845	6.04	4.93	-	-

Table 326 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz 6.525-6.875 GHz	Band:	U-NII-5 U-NII-7
Limit Clause(s):	15.407(b)(7)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE80 SU SP	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	-
Antenna Configuration:	MIMO SDM	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	9.87	9.64	-	-
6145	5.97	5.47	-	-
6385	5.36	4.34	-	-
6625	3.65	2.55	-	-
6705	4.90	3.87	-	-
6785	5.15	3.73	-	-

Table 327 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz 6.525-6.875 GHz	Band:	U-NII-5 U-NII-7
Limit Clause(s):	15.407(b)(7)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE160 SU SP	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	-
Antenna Configuration:	MIMO SDM	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
6025	8.67	8.22	-	-
6185	4.75	4.23	-	-
6345	3.80	3.71	-	-
6665	4.81	5.65	-	-

Table 328 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz 6.525-6.875 GHz	Band:	U-NII-5 U-NII-7
Limit Clause(s):	15.407(b)(7)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE20 RU26 SP	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	-
Antenna Configuration:	MIMO SDM	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
5955 (RU26.0)	18.09	17.10	-	-
6175 (RU26.0)	18.29	17.80	-	-
6415 (RU26.8)	16.87	15.36	-	-
6535 (RU26.0)	17.78	17.90	-	-
6695 (RU26.0)	17.60	18.39	-	-
6855 (RU26.8)	18.04	15.90	-	-

Table 329 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz 6.525-6.875 GHz	Band:	U-NII-5 U-NII-7
Limit Clause(s):	15.407(b)(7)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE20 RU52 SP	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	-
Antenna Configuration:	MIMO SDM	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
5955 (RU52.37)	17.90	19.13	-	-
6175 (RU52.37)	18.15	18.65	-	-
6415 (RU52.40)	17.78	15.24	-	-
6535 (RU52.37)	18.18	18.86	-	-
6695 (RU52.37)	17.56	18.59	-	-
6855 (RU52.40)	17.55	17.12	-	-

Table 330 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz 6.525-6.875 GHz	Band:	U-NII-5 U-NII-7
Limit Clause(s):	15.407(b)(7)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE20 RU106 SP	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	-
Antenna Configuration:	MIMO SDM	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
5955 (RU106.53)	18.15	18.06	-	-
6175 (RU106.53)	18.09	18.37	-	-
6415 (RU106.54)	17.71	18.52	-	-
6535 (RU106.53)	17.78	18.47	-	-
6695 (RU106.53)	18.20	17.81	-	-
6855 (RU106.54)	17.58	18.44	-	-

Table 331 - Unwanted Emissions Within the Band Results

Protocol	Unwanted Emissions Within the RLAN Band	
	Margin (dB)	Frequency (MHz)
802.11ax HE20 SU VLP	15.60	6398.000
802.11ax HE40 SU VLP	9.87	6631.633
802.11ax HE80 SU VLP	8.67	5935.500
802.11ax HE160 SU VLP	8.16	5934.000

Table 332 - Unwanted Emissions Within the RLAN Band Summary Results

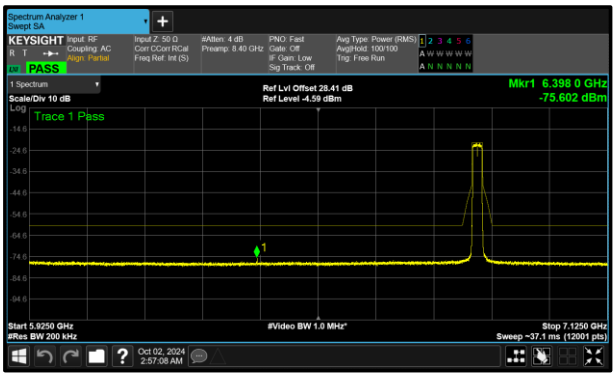

Figure 335 - B (Core 1) 802.11ax HE20 SU VLP 6855 MHz (CH181)

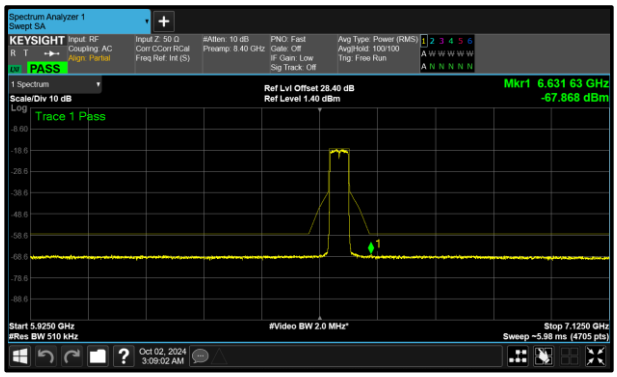

Figure 336 - B (Core 1) 802.11ax HE40 SU VLP 6565 MHz (CH123)

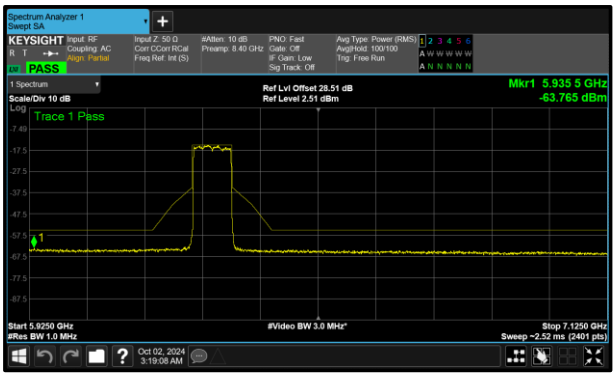

Figure 337 - A (Core 0) 802.11ax HE80 SU VLP 6305 MHz (CH71)

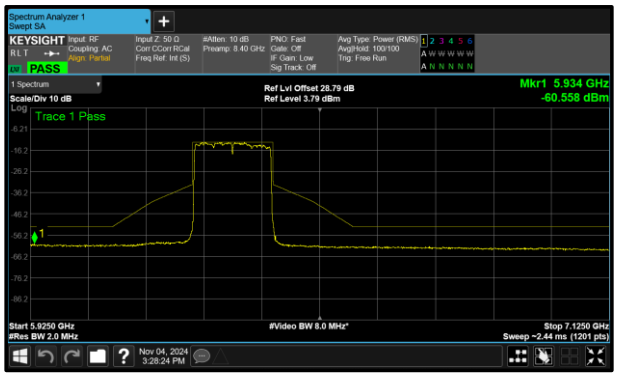

Figure 338 – A (Core 0) 802.11ax HE160 SU VLP 6345 MHz (CH79)

Test Configuration			
Frequency Range:	5.925-6.425 GHz 6.525-6.875 GHz	Band:	U-NII-5 U-NII-7
Limit Clause(s):	15.407(b)(7)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE20 SU VLP	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	-
Antenna Configuration:	MIMO SDM	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
6115	16.93	16.84	-	-
6275	16.25	16.55	-	-
6415	16.03	16.58	-	-
6535	16.05	16.16	-	-
6695	16.31	15.96	-	-
6855	16.46	15.60	-	-

Table 333 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz 6.525-6.875 GHz	Band:	U-NII-5 U-NII-7
Limit Clause(s):	15.407(b)(7)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE40 SU VLP	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	-
Antenna Configuration:	MIMO SDM	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	10.47	11.15	-	-
6285	10.98	11.64	-	-
6405	10.83	10.42	-	-
6565	10.64	9.87	-	-
6685	10.78	9.87	-	-
6805	11.45	11.12	-	-

Table 334 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz 6.525-6.875 GHz	Band:	U-NII-5 U-NII-7
Limit Clause(s):	15.407(b)(7)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE80 SU VLP	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	-
Antenna Configuration:	MIMO SDM	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
6145	9.17	10.55	-	-
6305	8.67	9.56	-	-
6385	8.86	9.71	-	-
6625	8.98	9.38	-	-
6705	9.09	9.62	-	-
6785	8.83	9.62	-	-

Table 335 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz 6.525-6.875 GHz	Band:	U-NII-5 U-NII-7
Limit Clause(s):	15.407(b)(7)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE160 SU VLP	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	-
Antenna Configuration:	MIMO SDM	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
6185	8.62	9.14	-	-
6345	8.16	8.91	-	-
6665	8.45	9.35	-	-

Table 336 - Unwanted Emissions Within the Band Results

TxBF

Protocol	Unwanted Emissions Within the RLAN Band	
	Margin (dB)	Frequency (MHz)
802.11ax HE40 SU LPI	8.67	5964.031
802.11ax HE80 SU LPI	7.41	6418.000

Table 337 - Unwanted Emissions Within the RLAN Band Summary Results

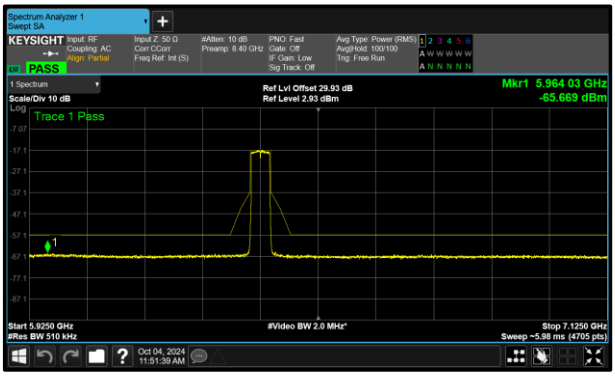

Figure 339 - A (Core 0) 802.11ax HE40 SU LPI 6405 MHz (CH91)

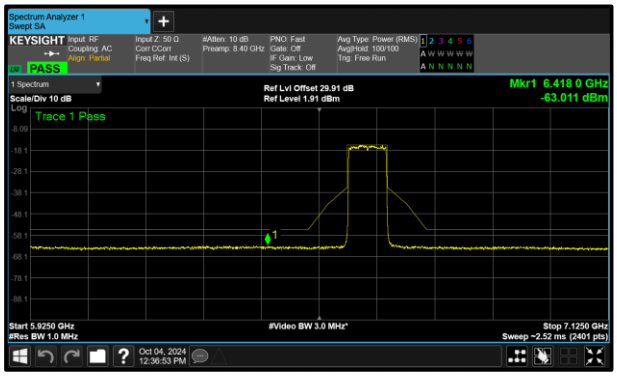

Figure 340 - A (Core 0) 802.11ax HE80 SU LPI 6625 MHz (CH135)

Test Configuration			
Frequency Range:	5.925-6.425 GHz 6.425-6.525 GHz 6.875-7.125 GHz	Band:	U-NII-5 U-NII-6 U-NII-8
Limit Clause(s):	15.407 (b) (7)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE40 SU LPI	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
6285	10.10	9.65	-	-
6365	9.02	9.98	-	-
6405	8.67	10.03	-	-
6445	9.75	9.44	-	-
6485	11.18	9.30	-	-
6925	11.67	10.95	-	-
7005	9.74	10.47	-	-
7085	11.57	9.71	-	-

Table 338 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz 6.425-6.525 GHz 6.525-6.875 GHz 6.875-7.125 GHz	Band:	U-NII-5 U-NII-6 U-NII-7 U-NII-8
Limit Clause(s):	15.407 (b)(7)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE80 SU LPI	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	9.17	10.51	-	-
6145	8.68	9.87	-	-
6385	10.40	9.72	-	-
6465	9.34	8.77	-	-
6545	8.97	9.02	-	-
6625	7.41	8.29	-	-
6705	9.88	9.29	-	-
6785	9.40	9.06	-	-
6865	9.85	8.79	-	-
6945	11.35	10.34	-	-
7025	9.57	10.36	-	-

Table 339 - Unwanted Emissions Within the Band Results

Protocol	Unwanted Emissions Within the RLAN Band	
	Margin (dB)	Frequency (MHz)
802.11ax HE20 SU SP	12.80	5989.000
802.11ax HE40 SU SP	11.18	6337.245
802.11ax HE80 SU SP	8.38	6261.000

Table 340 - Unwanted Emissions Within the RLAN Band Summary Results

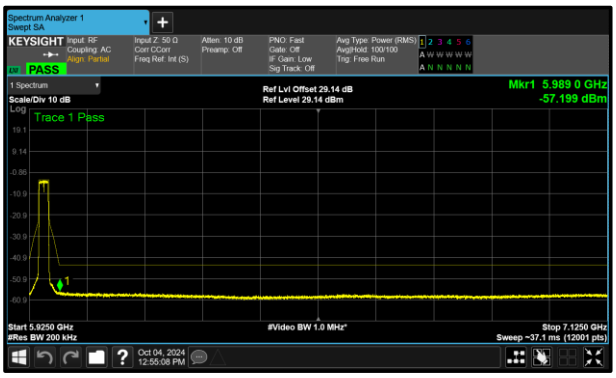

Figure 341 - A (Core 0) 802.11ax HE20 SU SP 5955 MHz (CH1)

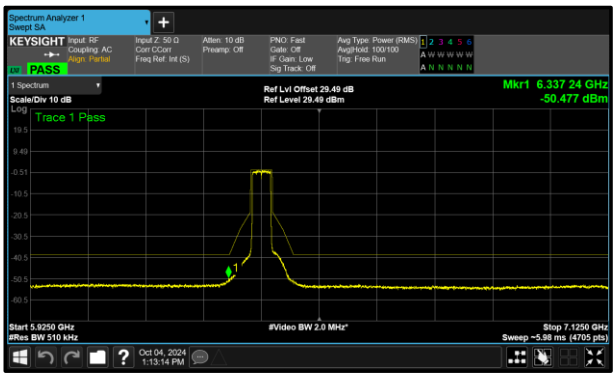

Figure 342 - B (Core 1) 802.11ax HE40 SU SP 6405 MHz (CH91)

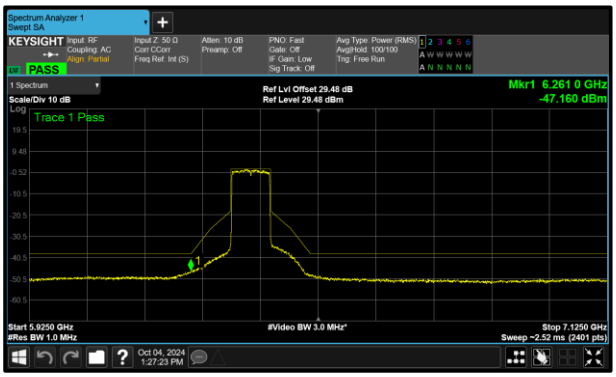

Figure 343 - B (Core 1) 802.11ax HE80 SU SP 6385 MHz (CH87)

Test Configuration			
Frequency Range:	5.925-6.425 GHz 6.525-6.875 GHz	Band:	U-NII-5 U-NII-7
Limit Clause(s):	15.407 (b)(7)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE20 SU SP	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
5955	12.80	14.06	-	-
6175	13.26	14.05	-	-
6415	13.54	13.99	-	-
6535	12.93	13.53	-	-
6695	13.27	13.50	-	-
6855	13.02	13.25	-	-

Table 341 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz 6.525-6.875 GHz	Band:	U-NII-5 U-NII-7
Limit Clause(s):	15.407 (b)(7)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE40 SU SP	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
5965	12.37	12.54	-	-
6165	12.65	12.48	-	-
6405	12.66	11.18	-	-
6565	12.69	11.78	-	-
6685	12.51	11.58	-	-
6845	12.36	11.51	-	-

Table 342 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz 6.525-6.875 GHz	Band:	U-NII-5 U-NII-7
Limit Clause(s):	15.407 (b)(7)	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	802.11ax HE80 SU SP	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	9.35	10.22	-	-
6145	8.99	9.33	-	-
6385	8.84	8.38	-	-
6625	9.33	9.05	-	-
6705	9.61	9.15	-	-
6785	9.61	8.94	-	-

Table 343 - 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 centre, and by 40 dB at one- and one-half times the channel bandwidth away from channel centre. At frequencies between one megahertz outside an unlicensed device's channel edge and one channel bandwidth from the centre of the channel, the limits must be linearly interpolated between 20 dB and 28 dB suppression, and at frequencies between one and one- and one half 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 centre by more than one- and one-half times the channel bandwidth must be suppressed by at least 40 dB.

2.8.7 Test Location and Test Equipment Used

This test was carried out in RF Chamber 18 and RF Laboratory 14.

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
Hygrometer	Rotronic	I-1000	3068	12	07-Nov-2024
1800-6000 MHz Power Splitter	Mini-Circuits	ZN2PD-63-S+	4055	-	O/P Mon
AC Programmable Power Supply	iTech	IT7324	5225	-	O/P Mon
Attenuator 5W 30dB DC-18GHz	Aaren	AT40A-4041-D18-30	5505	12	22-Feb-2025
MXA Signal Analyser	Keysight Technologies	N9020B	5529	24	13-Dec-2024
2-Way Power Divider (2-8 GHz)	Aaren	AT30A-TE0208-2-AF	5685	12	02-Jan-2025
1500VA AC Power Supply	iTech	IT7324	5907	-	O/P Mon
MXA Signal Analyser	Keysight Technologies	N9020B	5919	24	18-Mar-2026
Digital Multimeter	Fluke	115	6145	12	06-Jun-2025
Cable (SMA to SMA 1m)	Junkosha	MWX221/B	6305	12	20-May-2025
Cable (SMA to SMA 3m)	Junkosha	MWX221-03000AMSAMS/A	6317	12	23-May-2025
Signal Conditioning Unit	TUV SUD	SPECTRUM_SCU001	6426	12	07-Feb-2025
Directional Coupler 2-8GHz	RF-Lambda	RFDC2G8G10	6447	-	O/P Mon
Directional Coupler 2-8GHz	RF-Lambda	RFDC2G8G10	6448	-	O/P Mon
Signal Conditioning Unit	TUV SUD	SPECTRUM_SCU001	6519	12	08-Feb-2025
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6520	12	09-Feb-2025
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6521	12	09-Feb-2025
WiFi 6E Tri-Band Gaming Router	Asus	GT-AXE110000	6694	-	TU
10dB attenuator	Pasternack	PE-7013-10	6728	12	07-Jan-2025
10dB attenuator	RF-Lambda	RFS5G08B10SMF	6730	12	07-Jan-2025
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6752	12	06-Feb-2025
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6753	12	06-Feb-2025

Table 344

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

2.9 Contention Based Protocol

2.9.1 Specification Reference

FCC 47 CFR Part 15E, Clause 15.407 (d)(6)

2.9.2 Equipment Under Test and Modification State

A3401, S/N: K9PCWXV94P - Modification State 0

2.9.3 Date of Test

28-September-2024

2.9.4 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. 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.

2.9.5 Test Setup Diagram

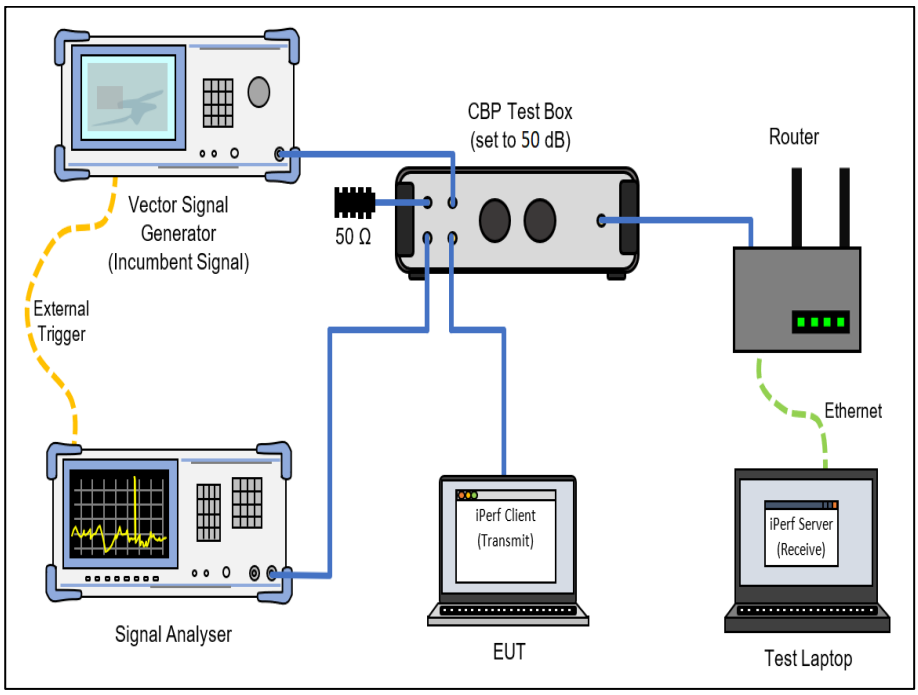

Figure 344 - Test Equipment Setup Diagram

2.9.6 Environmental Conditions

Ambient Temperature	24.9 °C
Relative Humidity	43.7 %