

Frequency (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
68.968	24.43	40.00	-15.57	Q-Peak	0	341	Horizontal
69.019	37.62	40.00	-2.38	Q-Peak	222	100	Vertical

Table 502 - 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.

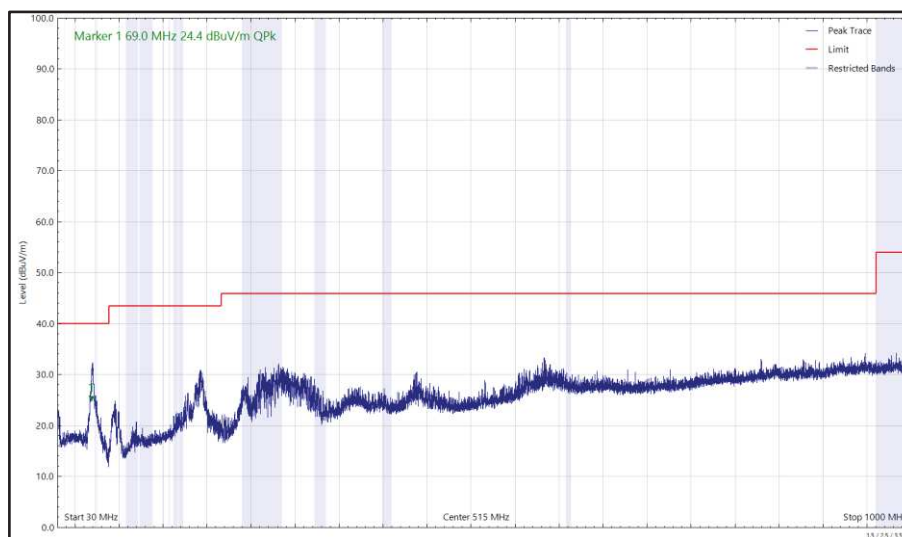


Figure 142 - U-NII-5 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

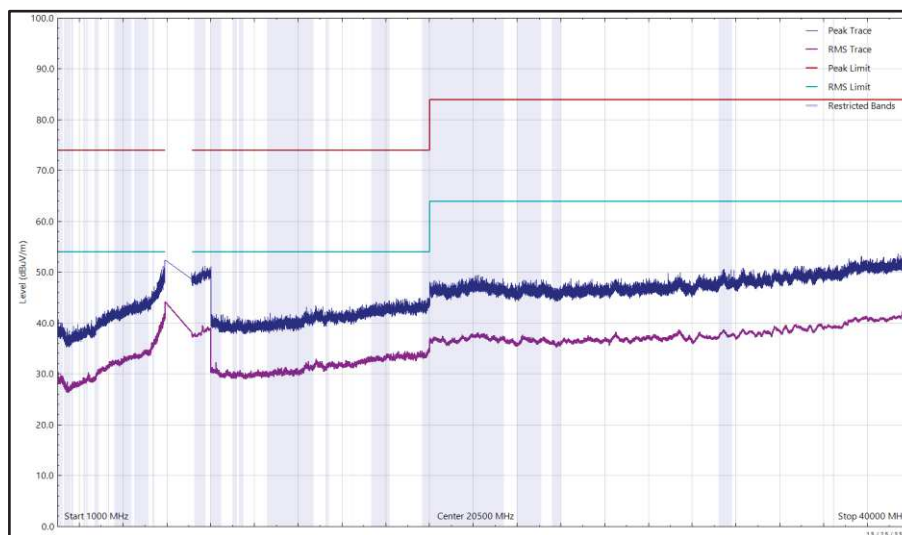


Figure 143 - U-NII-5 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

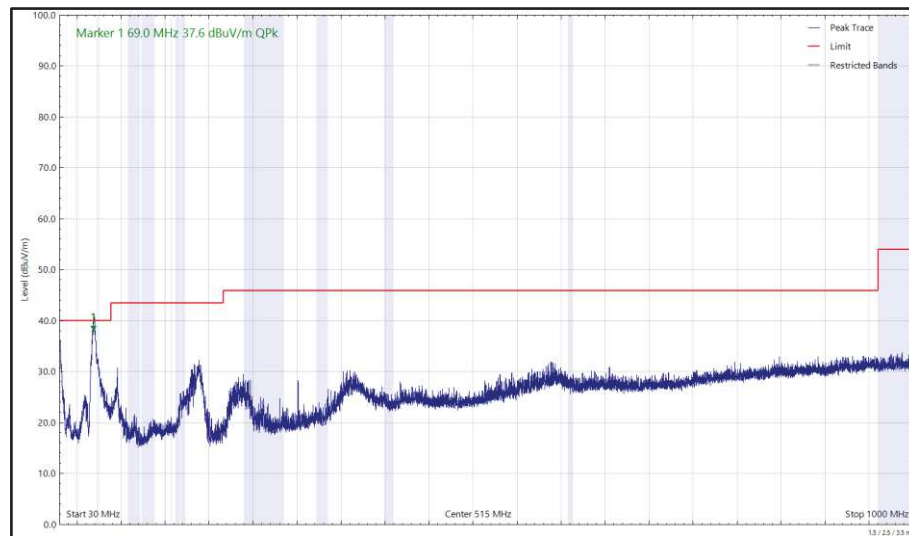


Figure 144 - U-NII-5 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

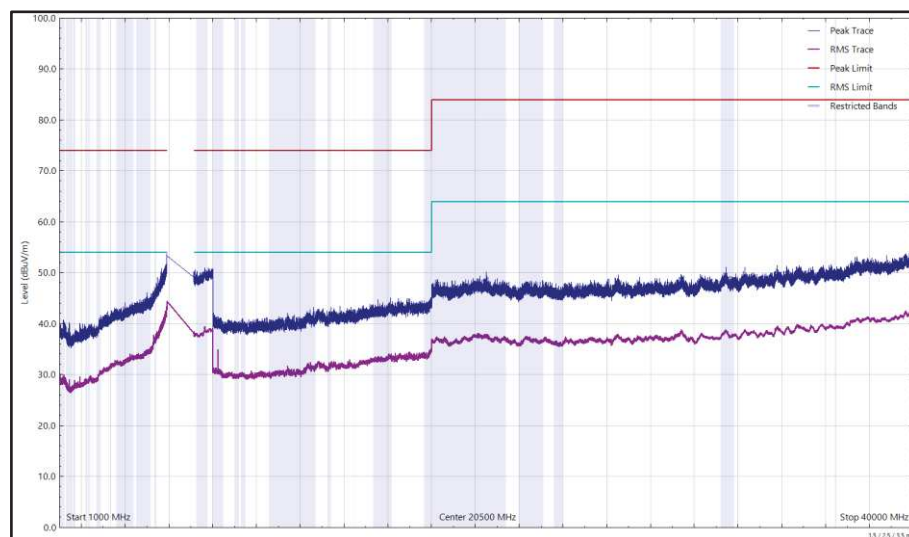


Figure 145 - U-NII-5 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

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

Table 503 - 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.

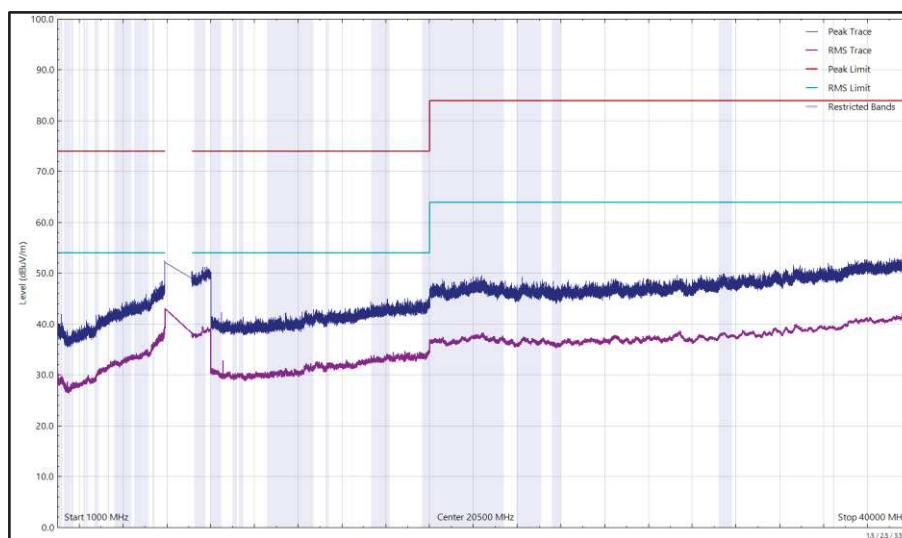


Figure 146 - U-NII-5 - 6415 MHz (CH93), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

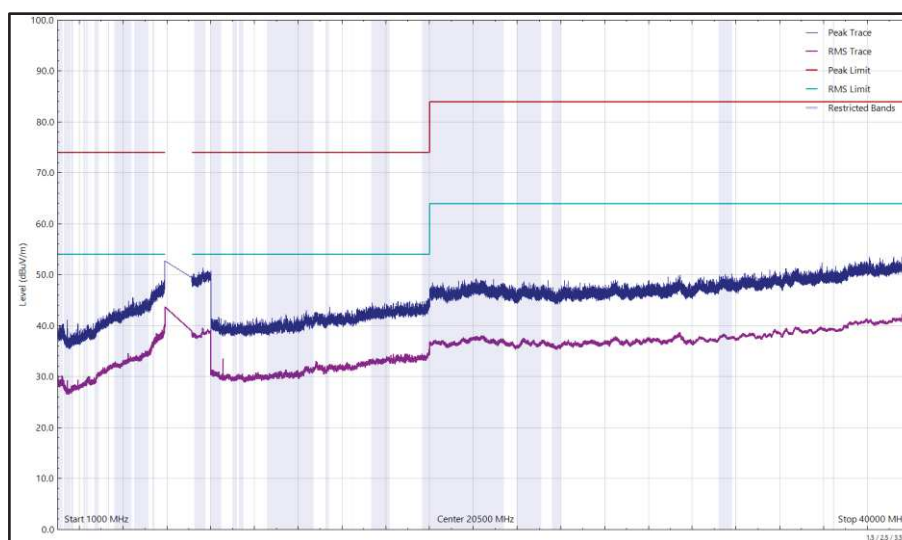


Figure 147 - U-NII-5 - 6415 MHz (CH93), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

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

Table 504 - 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.

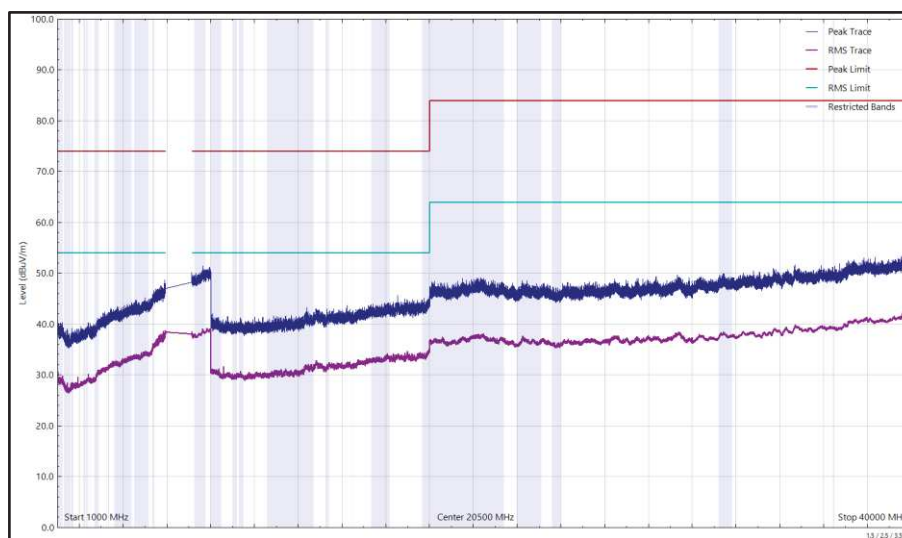


Figure 148 - U-NII-6 - 6435 MHz (CH97), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

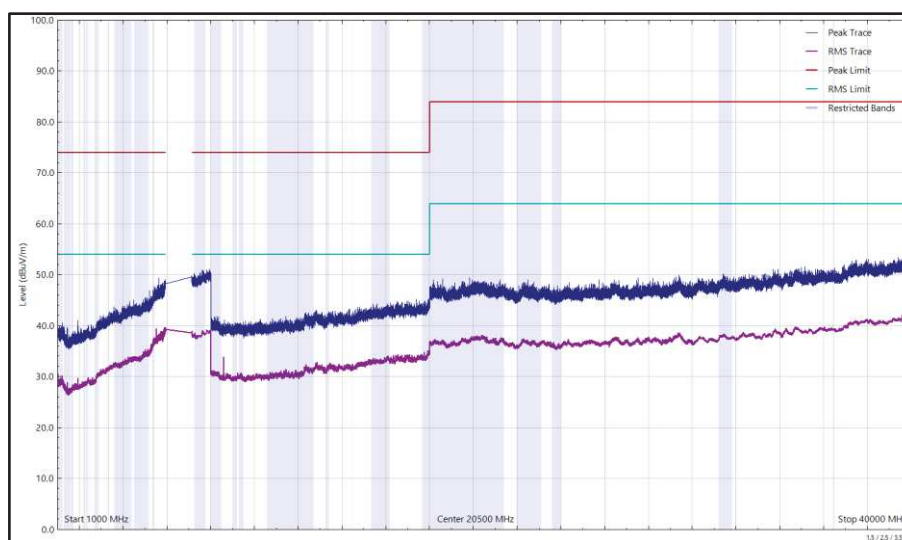


Figure 149 - U-NII-6 - 6435 MHz (CH97), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
68.661	23.87	40.00	-16.13	Q-Peak	0	345	Horizontal
69.064	37.19	40.00	-2.81	Q-Peak	231	100	Vertical

Table 505 - 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.

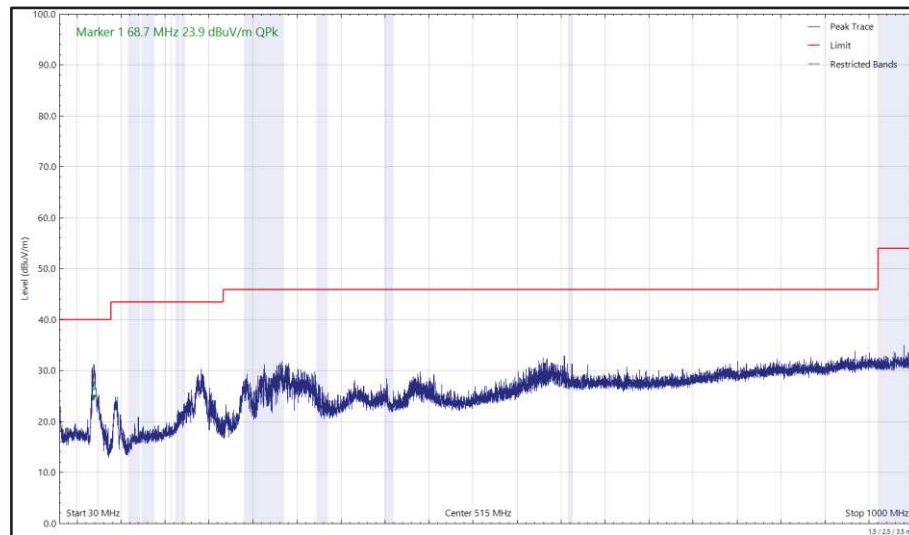


Figure 150 - U-NII-6 - 6475 MHz (CH105), HE20, SU, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

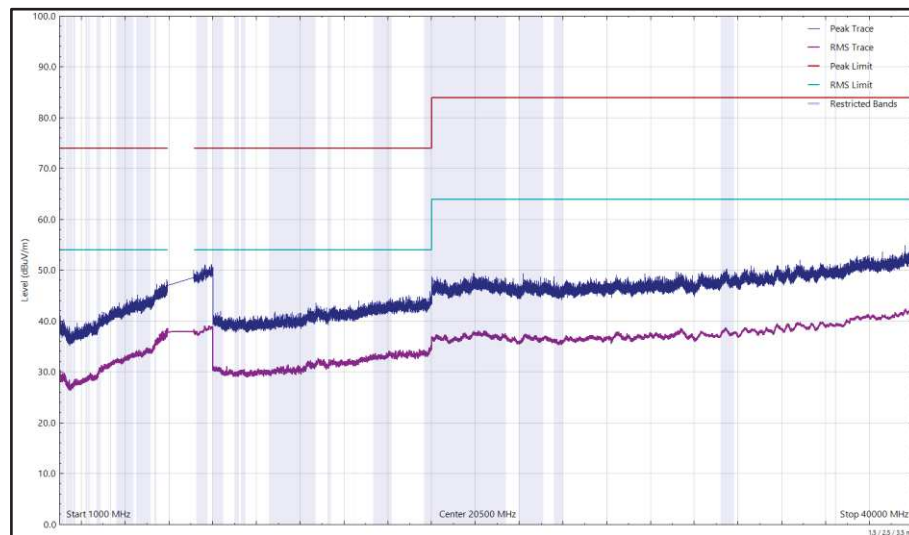


Figure 151 - U-NII-6 - 6475 MHz (CH105), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

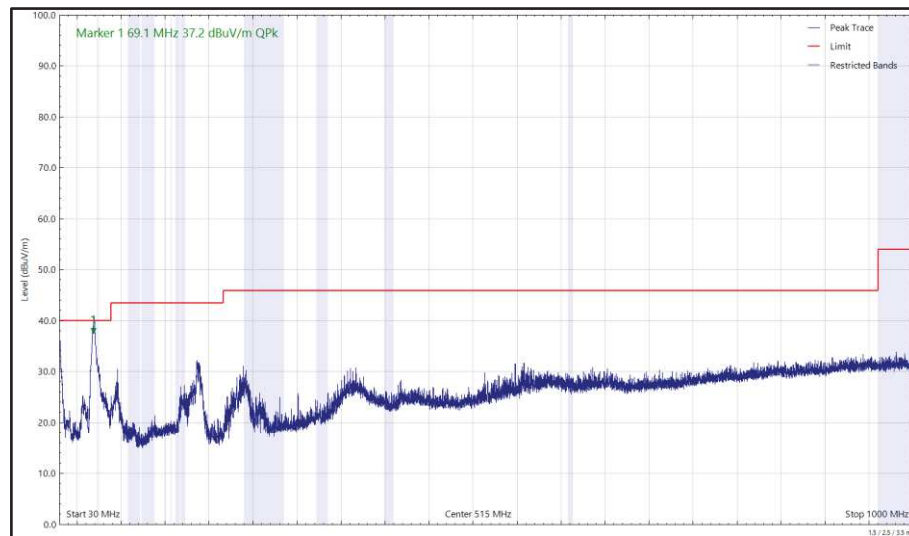


Figure 152 - U-NII-6 - 6475 MHz (CH105), HE20, SU, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

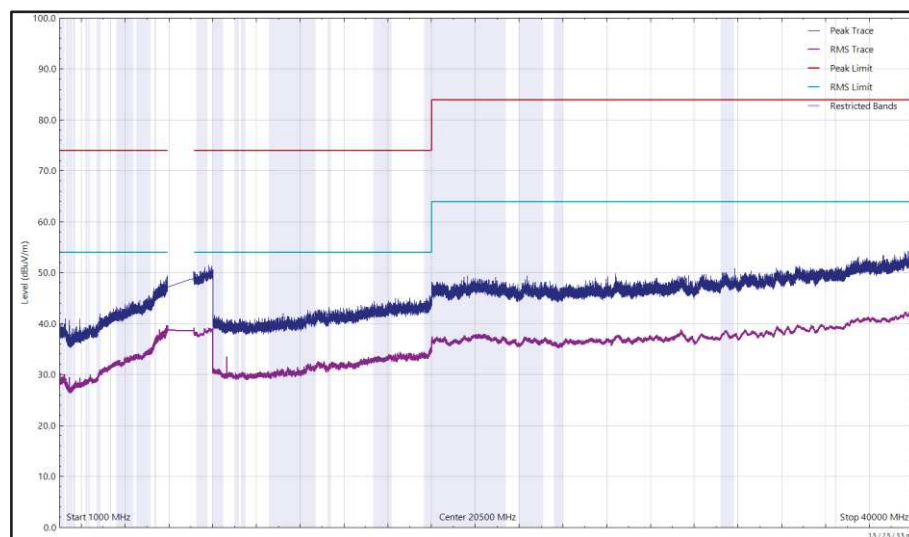


Figure 153 - U-NII-6 - 6475 MHz (CH105), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

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

Table 506 - 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.

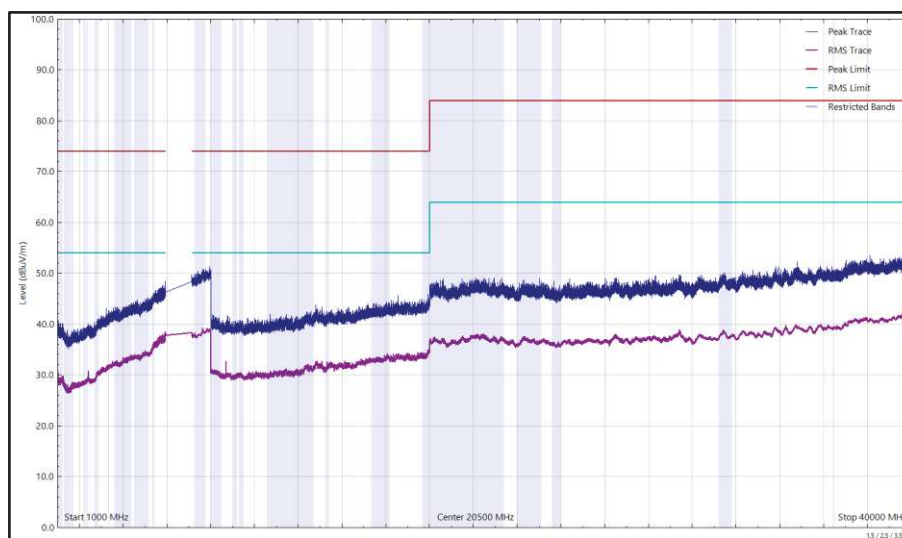


Figure 154 - U-NII-6 - 6515 MHz (CH113), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

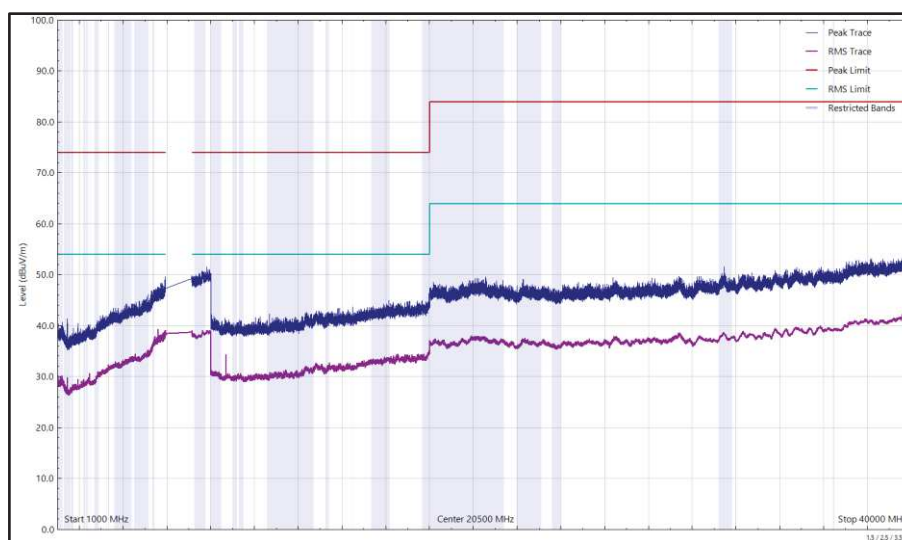


Figure 155 - U-NII-6 - 6515 MHz (CH113), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

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

Table 507 - 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.

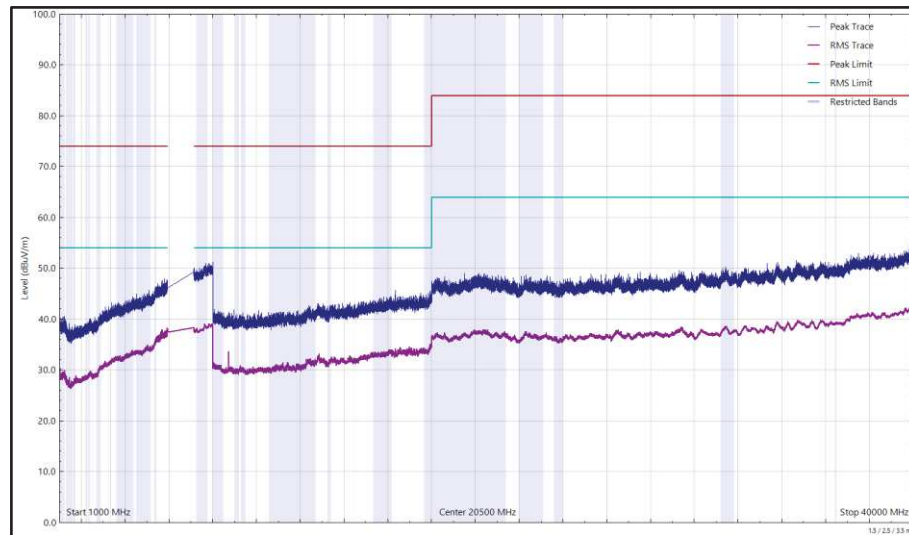


Figure 156 - U-NII-7 - 6535 MHz (CH117), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

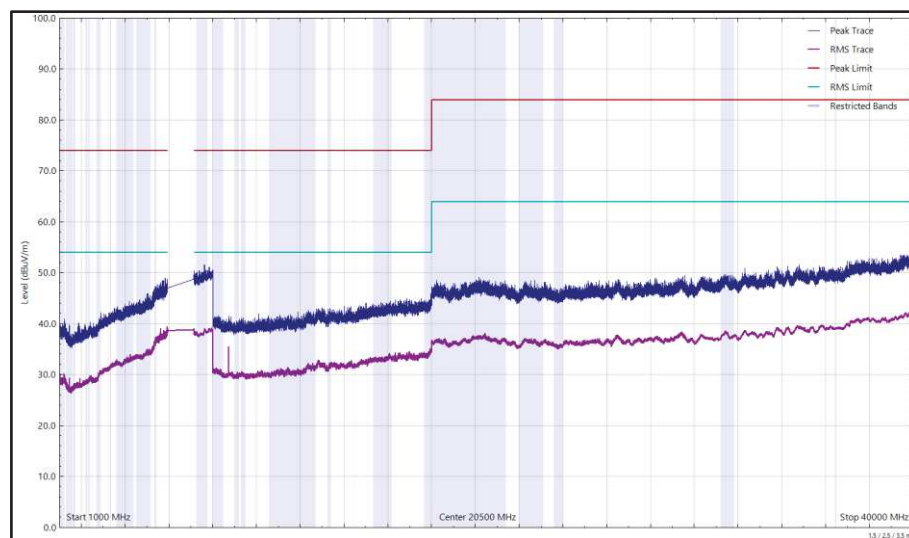


Figure 157 - U-NII-7 - 6535 MHz (CH117), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
69.148	37.34	40.00	-2.66	Q-Peak	210	102	Vertical
69.292	27.62	40.00	-12.38	Q-Peak	298	268	Horizontal

Table 508 - 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.

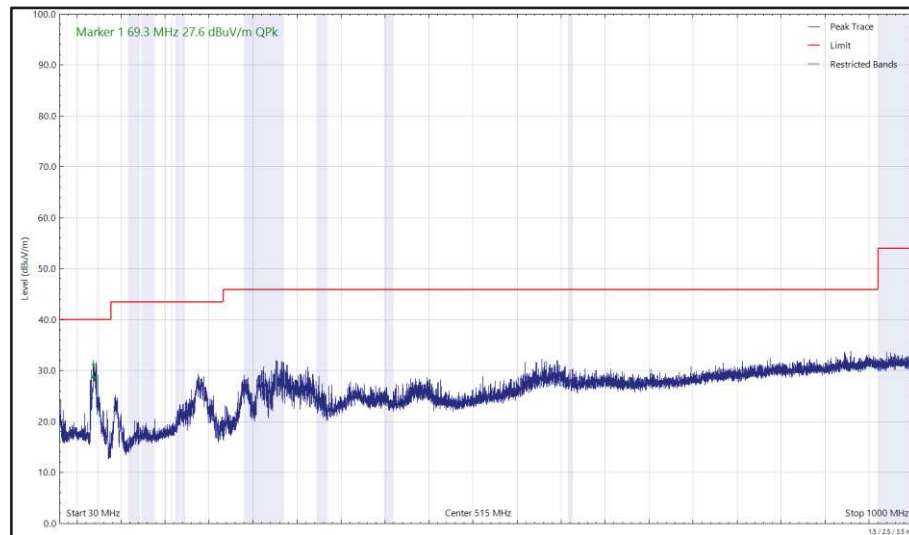


Figure 158 - U-NII-7 - 6695 MHz (CH149), HE20, SU, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

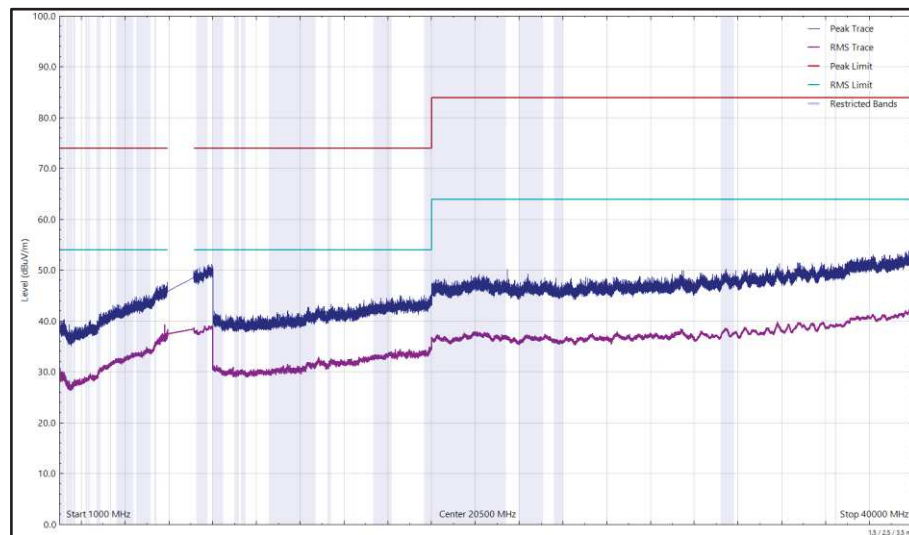


Figure 159 - U-NII-7 - 6695 MHz (CH149), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

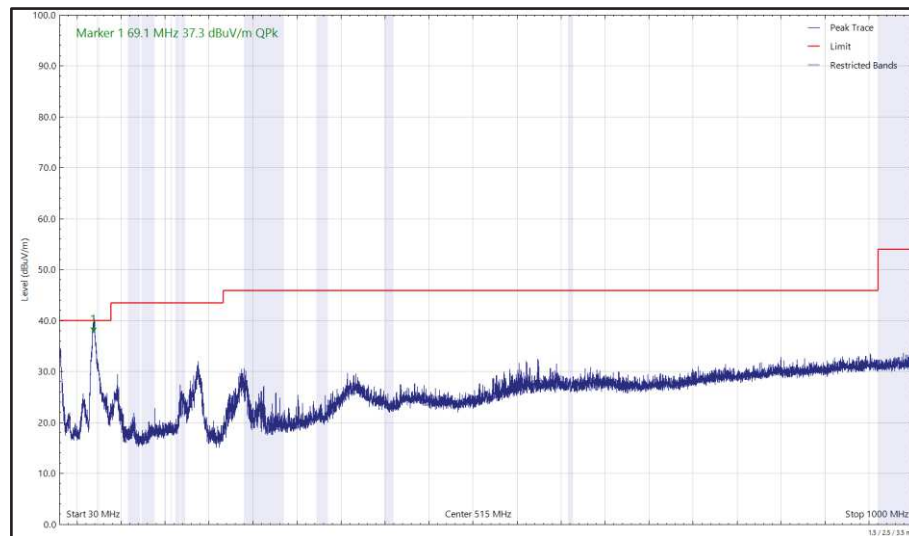


Figure 160 - U-NII-7 - 6695 MHz (CH149), HE20, SU, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

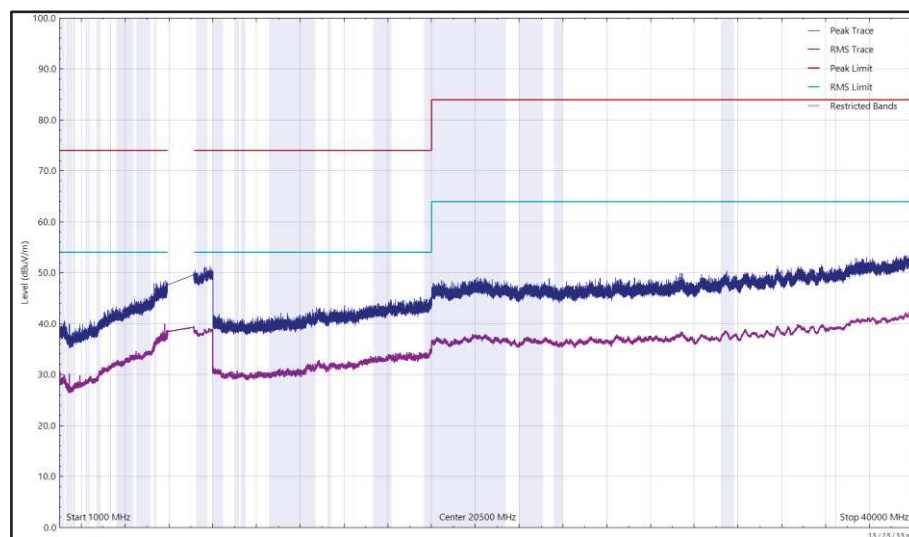


Figure 161 - U-NII-7 - 6695 MHz (CH149), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

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

Table 509 - 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.

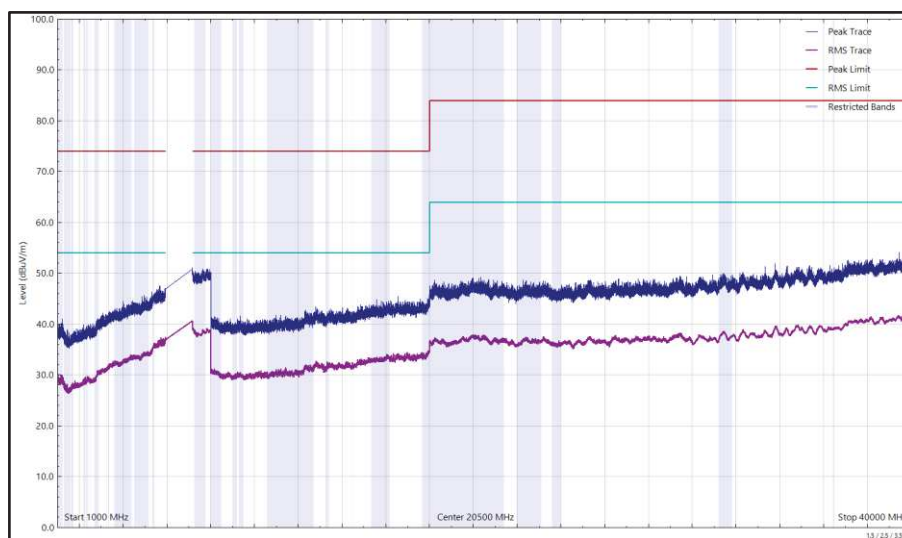


Figure 162 - U-NII-7 - 6855 MHz (CH181), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

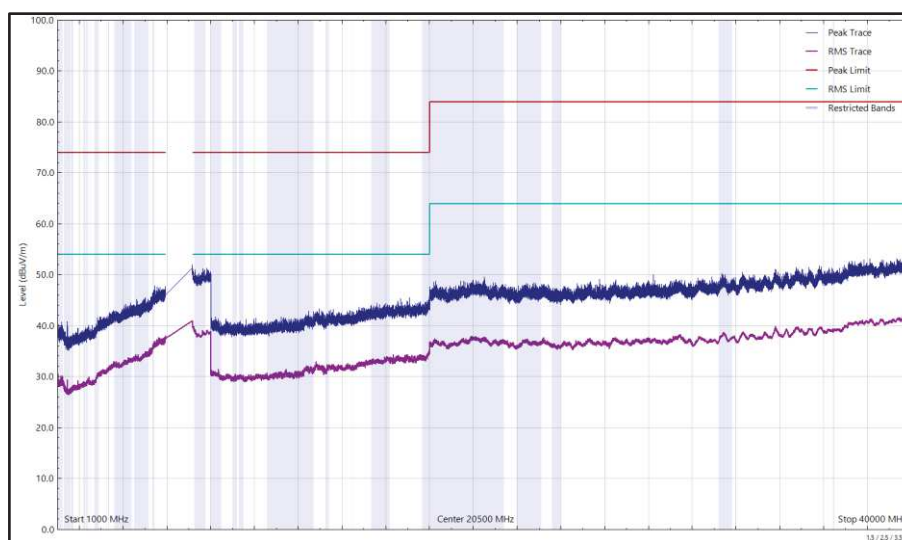


Figure 163 - U-NII-7 - 6855 MHz (CH181), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

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

Table 510 - 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.

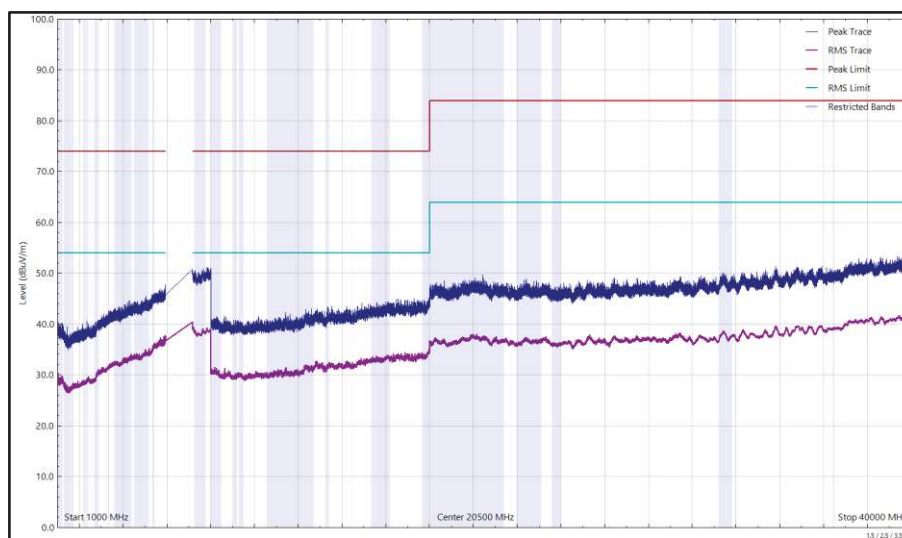


Figure 164 - U-NII-8 - 6895 MHz (CH189), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

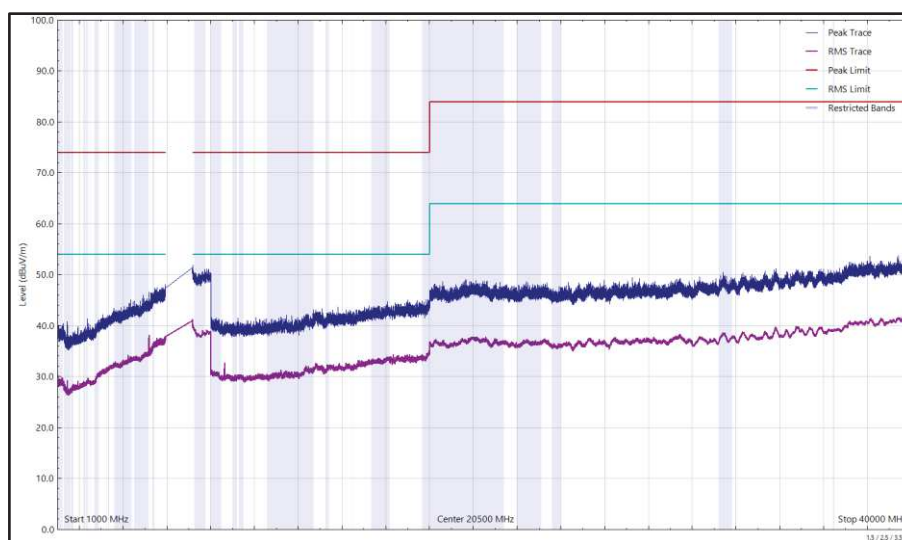


Figure 165 - U-NII-8 - 6895 MHz (CH189), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
68.814	23.60	40.00	-16.40	Q-Peak	0	342	Horizontal
69.092	37.73	40.00	-2.27	Q-Peak	218	100	Vertical

Table 511 - 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.

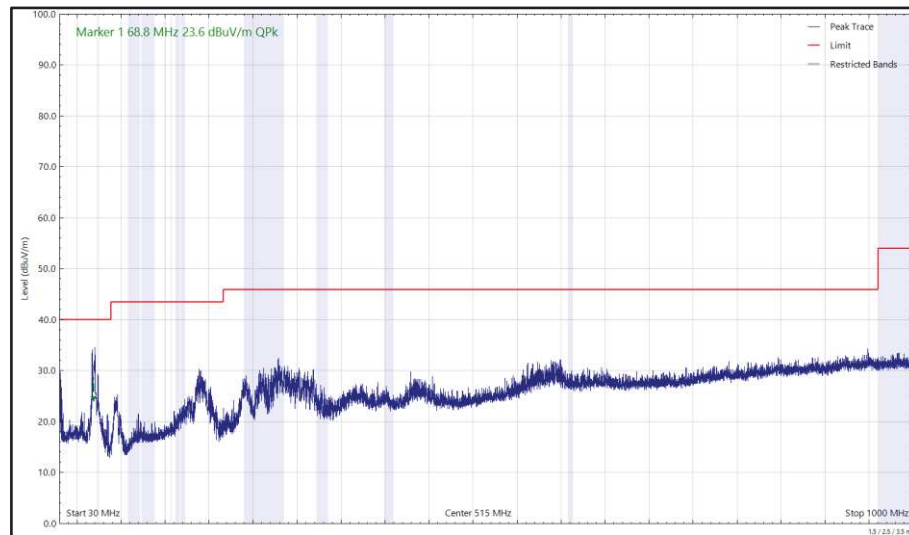


Figure 166 - U-NII-8 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

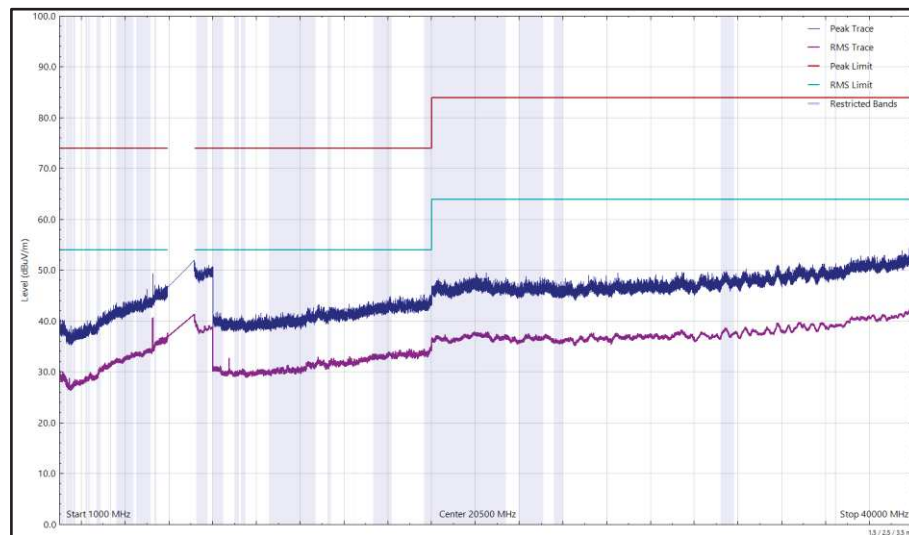


Figure 167 - U-NII-8 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

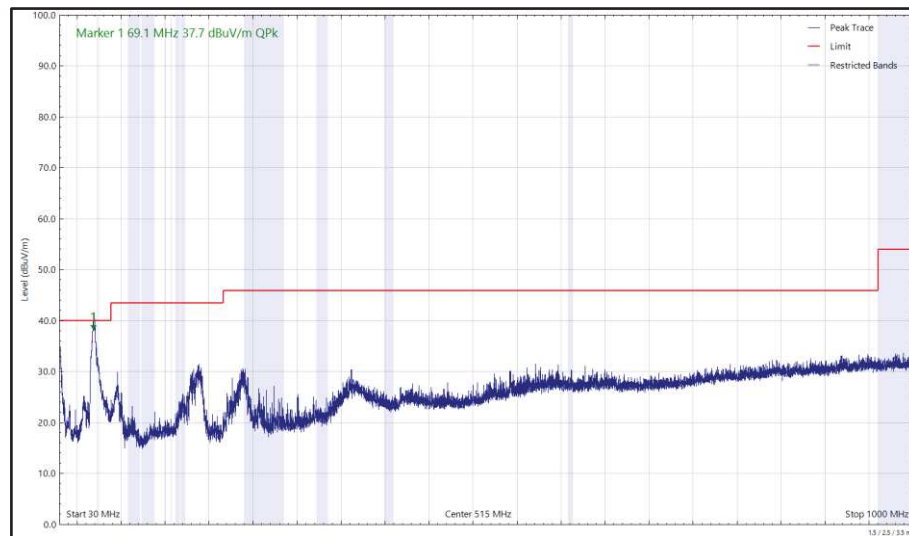


Figure 168 - U-NII-8 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

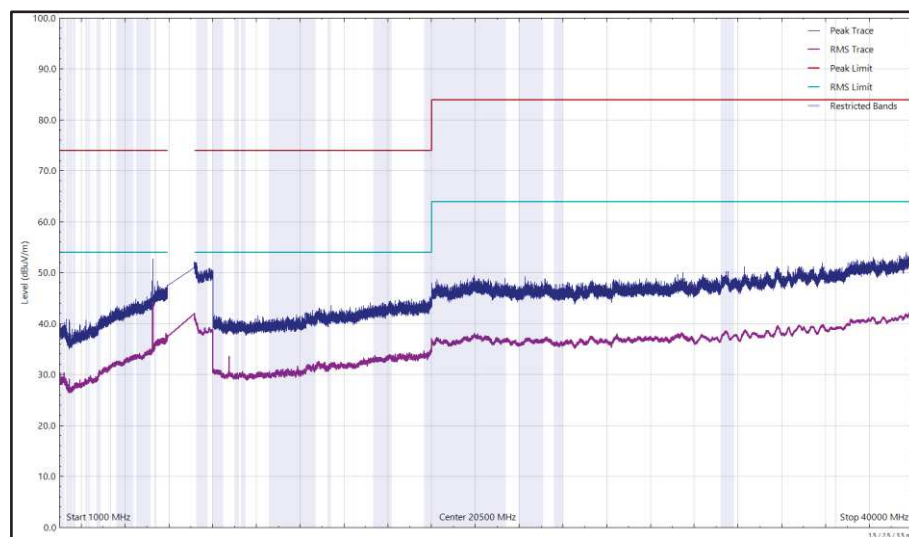


Figure 169 - U-NII-8 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
5335.340	47.79	68.20	-20.41	RMS	235	315	Vertical

Table 512 - 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.

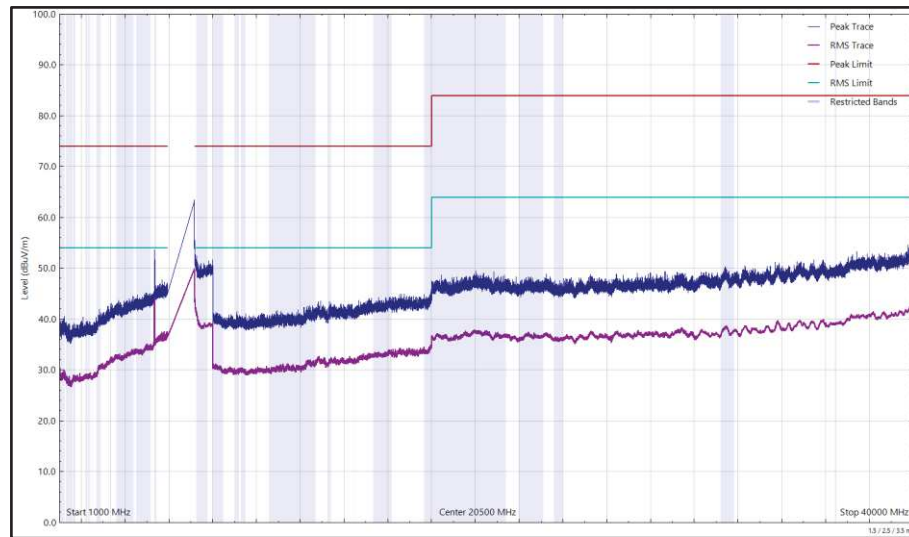


Figure 170 - U-NII-8 - 7115 MHz (CH233), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

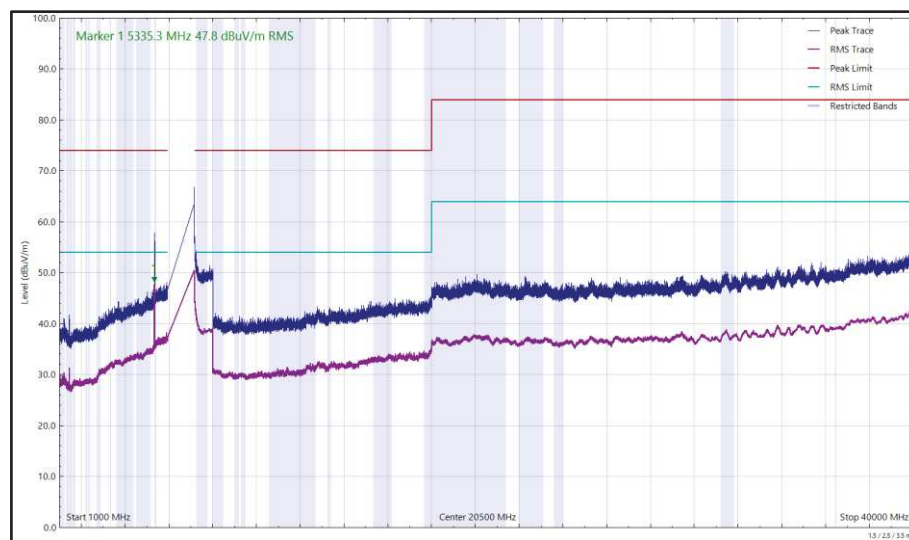


Figure 171 - U-NII-8 - 7115 MHz (CH233), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical



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 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 513 - 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 514 - Radiated Emissions Limit Table (ISED)

2.5.8 Test Location and Test Equipment Used

This test was carried out in RF Chamber 15.

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
Cable (18 GHz)	Rosenberger	LU7-071-1000	5096	12	23-Oct-2023
Emissions Software	TUV SUD	EmX V3.1.12	5125	-	Software
EMI Test Receiver	Rohde & Schwarz	ESW44	5912	12	17-Apr-2024
TRILOG Super Broadband Test Antenna	Schwarzbeck	VULB 9168	5944	24	03-Feb-2024
1500W (300V 12A) AC Power Supply	iTech	IT7324	5956	-	O/P Mon



Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
5m Semi-Anechoic Chamber (Dual-Axis), Chamber 15	Albatross Projects	RF Chamber 15	5963	36	28-Apr-2025
Compact Antenna Mast	Maturo Gmbh	CAM4.0-P	5964	-	TU
Mast & Turntable Controller	Maturo Gmbh	FCU3.0	5966	-	TU
Tilt Antenna Mast	Maturo Gmbh	BAM4.5-P	5967	-	TU
Turntable	Maturo Gmbh	TT1.5SI	5968	-	TU
Cable (N to N 8m)	Junkosha	MWX221-08000NMSNMS/A	6006	12	05-Jun-2024
Cable (SMA to SMA 1m)	Junkosha	MWX221-01000AMSAMS/A	6007	12	05-Jun-2024
Cable (SMA to SMA 6.5m)	Junkosha	MWX221-06500AMSAMS/B	6014	12	08-Aug-2023
Cable (N to N 7m)	Junkosha	MWX221-07000NMSNMS/B	6016	12	05-Jun-2024
Cable (SMA to SMA 1m)	Junkosha	MWX221-01000AMSAMS/B	6019	12	05-Jun-2024
Horn Antenna (1-10 GHz)	Schwarzbeck	BBHA9120B	6140	12	28-Aug-2023
Digital Multimeter	Fluke	115	6147	12	16-Jun-2024
Double Ridge Active Horn Antenna (18-40 GHz)	Com-Power	AHA-840	6187	24	02-Jun-2024
SAC Switch Unit	TUV SUD	TUV_SSU_001	6191	12	12-Dec-2023
8 GHz Highpass Filter	Wainwright	WHKX 7150 8000 18000 50SS	6195	12	24-Jul-2024*
Pre Amp 8 - 18 GHz	Wright Technologies	APS06 0061	6200	12	14-Jul-2024
Attenuator (4 dB)	Pasternack	PE7074-4	6202	24	16-Jul-2024
Cable (SMA to SMA 20cm)	TUV SUD	MH-FH 8-18	6214	12	25-Jul-2023*
Cable (SMA to SMA 20cm)	TUV SUD	MH-FH 8-18	6214	12	24-Jul-2024*
Cable (SMA to SMA 1m)	Junkosha	MWX221-01000AMSAMS/A	6315	12	04-Feb-2024
Cable (K Type 2m)	Junkosha	MWX241-02000KMSKMS/B	6324	12	04-Feb-2024
Humidity and Temperature Meter	R.S Components	1364	6346	12	28-Feb-2024
DRG Horn Antenna	Schwarzbeck	HWRD750	6458	12	09-Jul-2024

Table 515

TU - Traceability Unscheduled

O/P Mon - Output Monitored using calibrated equipment

*NOTE: Only used within its calibration period.



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

A2991, S/N: Y7RPXWJ9N9 - Modification State 0
A2991, S/N: LT4JJ1WVVR - Modification State 0

2.6.3 Date of Test

18-August-2023 to 03-September-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	21.7 - 22.7 °C
Relative Humidity	45.3 - 52.6 %

2.6.6 Test Results

6 GHz WLAN

SISO

Protocol	Unwanted Emissions Within the RLAN Band	
	Margin (dB)	Frequency (MHz)
802.11a	5.64	5986.700
802.11ax HE20 SU	5.69	5999.300
802.11ax HE40 SU	5.59	6072.800
802.11ax HE80 SU	5.40	6210.280
802.11ax HE160 SU	5.45	6024.000

Table 516 - Unwanted Emissions Within the RLAN Band Summary Results – SISO LPI

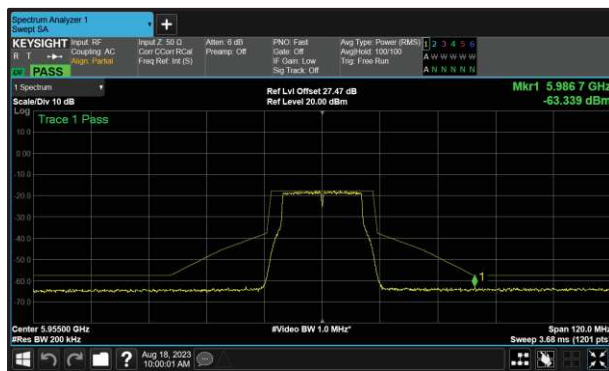


Figure 172 - A (Core 0) 802.11a 5955 MHz (CH1)

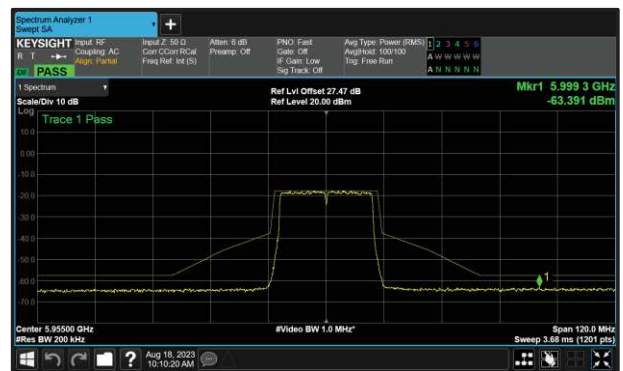


Figure 173 - A (Core 0) 802.11ax HE20 SU 5955 MHz (CH1)

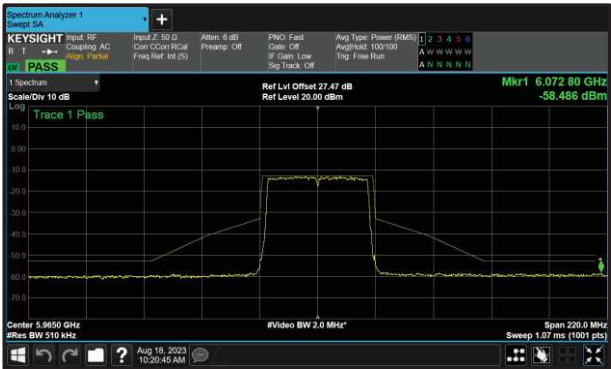


Figure 174 - A (Core 0) 802.11ax HE40 SU 5965 MHz (CH3)



Figure 175 - A (Core 0) 802.11ax HE80 SU 6385 MHz (CH87)



Figure 176 - A (Core 0) 802.11ax HE160 SU 6345 MHz (CH79)

Protocol	Unwanted Emissions Within the RLAN Band	
	Margin (dB)	Frequency (MHz)
802.11ax HE20 RU106	6.68	6530.600
802.11ax HE20 RU26	17.24	7105.900
802.11ax HE20 RU52	16.44	5994.400

Table 517 - Unwanted Emissions Within the RLAN Band Summary Results - SISO LPI RU



Figure 177 - A (Core 0) 802.11ax HE20 RU106 6475 MHz (CH105)

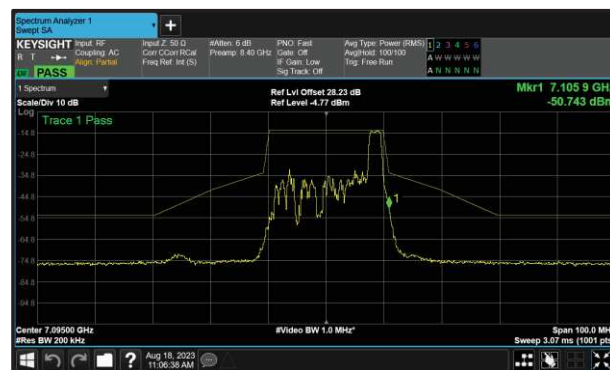


Figure 178 - B (Core 1) 802.11ax HE20 RU26 7095 MHz (CH229)



Figure 179 - A (Core 0) 802.11ax HE20 RU52 5955 MHz (CH1)



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 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	5.64	-	-	-
6175	8.00	-	-	-
6415	7.14	-	-	-
6435	6.79	-	-	-
6475	6.76	-	-	-
6515	6.46	-	-	-
6535	7.56	-	-	-
6695	8.28	-	-	-
6855	7.69	-	-	-
6875	7.64	-	-	-
6895	-	9.22	-	-
6995	-	9.03	-	-
7115	-	7.12	-	-

Table 518 - 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 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	5.69	-	-	-
6175	7.30	-	-	-
6415	6.46	-	-	-
6435	6.28	-	-	-
6475	7.02	-	-	-
6515	6.62	-	-	-
6535	7.25	-	-	-
6695	7.81	-	-	-
6855	7.29	-	-	-
6875	7.16	-	-	-
6895	-	8.60	-	-
6995	-	8.59	-	-
7095	-	8.74	-	-

Table 519 - 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 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	5.59	-	-	-
6165	6.60	-	-	-
6405	5.94	-	-	-
6445	5.82	-	-	-
6485	5.72	-	-	-
6525	5.97	-	-	-
6565	5.81	-	-	-
6685	6.21	-	-	-
6845	6.53	-	-	-
6885	6.76	-	-	-
6925	-	7.77	-	-
7005	-	8.12	-	-
7085	-	8.10	-	-

Table 520 - 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 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	6.28	-	-	-
6145	6.65	-	-	-
6385	5.40	-	-	-
6465	5.74	-	-	-
6545	6.04	-	-	-
6625	6.08	-	-	-
6705	6.56	-	-	-
6785	6.71	-	-	-
6865	6.94	-	-	-
6945	-	7.91	-	-
7025	-	7.82	-	-

Table 521 - 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 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	6.40	-	-	-
6185	6.95	-	-	-
6345	5.45	-	-	-
6505	5.53	-	-	-
6665	5.73	-	-	-
6825	7.14	-	-	-
6985	-	8.51	-	-

Table 522 - 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 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)	19.56	-	-	-
6175 (RU26.0)	19.47	-	-	-
6415 (RU26.8)	18.81	-	-	-
6435 (RU26.0)	18.16	-	-	-
6475 (RU26.0)	19.74	-	-	-
6515 (RU26.8)	19.56	-	-	-
6535 (RU26.0)	18.74	-	-	-
6695 (RU26.0)	19.90	-	-	-
6855 (RU26.8)	18.42	-	-	-
6875 (RU26.3)	21.89	-	-	-
6875 (RU26.5)	22.00	-	-	-
6895 (RU26.0)	-	19.45	-	-
6995 (RU26.0)	-	20.24	-	-
7095 (RU26.8)	-	17.24	-	-

Table 523 - 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 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)	16.44	-	-	-
6175 (RU52.37)	7.35	-	-	-
6415 (RU52.40)	6.95	-	-	-
6435 (RU52.37)	6.98	-	-	-
6475 (RU52.37)	6.44	-	-	-
6515 (RU52.40)	7.08	-	-	-
6535 (RU52.37)	7.58	-	-	-
6695 (RU52.37)	7.64	-	-	-
6855 (RU52.40)	7.71	-	-	-
6875 (RU52.38)	7.71	-	-	-
6875 (RU52.39)	7.78	-	-	-
6895 (RU52.37)	-	9.04	-	-
6995 (RU52.37)	-	9.17	-	-
7095 (RU52.40)	-	9.02	-	-

Table 524 - 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 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)	7.06	-	-	-
6175 (RU106.53)	7.38	-	-	-
6415 (RU106.54)	6.75	-	-	-
6435 (RU106.53)	7.06	-	-	-
6475 (RU106.53)	6.68	-	-	-
6515 (RU106.54)	6.72	-	-	-
6535 (RU106.53)	7.30	-	-	-
6695 (RU106.53)	7.23	-	-	-
6855 (RU106.54)	7.46	-	-	-
6875 (RU106.53)	7.54	-	-	-
6875 (RU106.54)	7.31	-	-	-
6895 (RU106.53)	-	9.19	-	-
6995 (RU106.53)	-	9.12	-	-
7095 (RU106.54)	-	9.51	-	-

Table 525 - Unwanted Emissions Within the Band Results

Protocol	Unwanted Emissions Within the RLAN Band	
	Margin (dB)	Frequency (MHz)
802.11a	7.91	6519.700
802.11ax HE20 SU	6.63	6715.500
802.11ax HE40 SU	7.40	6501.860
802.11ax HE80 SU	6.09	6501.520
802.11ax HE160 SU	2.17	6097.000

Table 526 - Unwanted Emissions Within the RLAN Band Summary Results - SISO SP



Figure 180 - A (Core 0) 802.11a 6535 MHz (CH117)

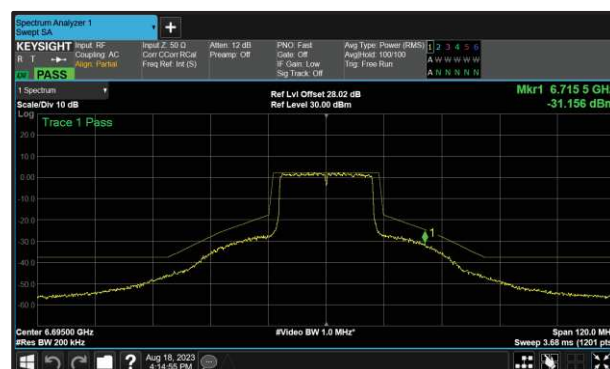


Figure 181 - A (Core 0) 802.11ax HE20 SU 6695 MHz (CH149)



Figure 182 - A (Core 0) 802.11ax HE40
SU 6565 MHz (CH123)



Figure 183 - A (Core 0) 802.11ax HE80
SU 6625 MHz (CH135)



Figure 184 - A (Core 0) 802.11ax HE160
SU 6345 MHz (CH79)

Protocol	Unwanted Emissions Within the RLAN Band	
	Margin (dB)	Frequency (MHz)
802.11ax HE20 RU106	17.12	6683.800
802.11ax HE20 RU26	17.45	6425.900
802.11ax HE20 RU52	17.79	6866.000

Table 527 - Unwanted Emissions Within the RLAN Band Summary Results - SISO RU SP



Figure 185 - A (Core 0) 802.11ax HE20 RU106 6695 MHz (CH149)

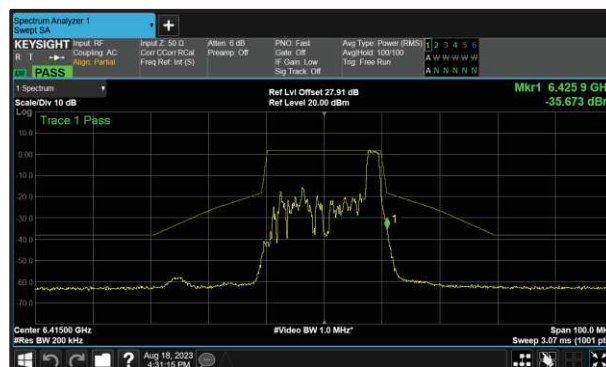


Figure 186 - A (Core 0) 802.11ax HE20 RU26 6415 MHz (CH93)



Figure 187 - A (Core 0) 802.11ax HE20 RU52 6855 MHz (CH181)



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 SP	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
5955	15.04	-	-	-
6175	13.53	-	-	-
6415	11.68	-	-	-
6535	7.91	-	-	-
6695	8.67	-	-	-
6855	9.40	-	-	-

Table 528 - 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 SP	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
5955	11.05	-	-	-
6175	11.32	-	-	-
6415	9.54	-	-	-
6535	7.12	-	-	-
6695	6.63	-	-	-
6855	7.75	-	-	-

Table 529 - 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 SP	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
5965	7.54	-	-	-
6165	8.48	-	-	-
6405	7.91	-	-	-
6565	7.40	-	-	-
6685	7.98	-	-	-
6845	9.07	-	-	-

Table 530 - 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 SP	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
5985	6.23	-	-	-
6145	6.98	-	-	-
6385	6.24	-	-	-
6625	6.09	-	-	-
6705	6.58	-	-	-
6785	7.01	-	-	-

Table 531 - 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 SP	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
6025	8.61	-	-	-
6185	3.66	-	-	-
6345	2.17	-	-	-
6665	3.75	-	-	-

Table 532 - 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 RU26 SP	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
5955 (RU26.0)	20.33	-	-	-
6175 (RU26.0)	20.68	-	-	-
6415 (RU26.8)	17.45	-	-	-
6535 (RU26.0)	20.08	-	-	-
6695 (RU26.0)	19.83	-	-	-
6855 (RU26.8)	18.79	-	-	-

Table 533 - 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 SP	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
5955 (RU52.37)	18.28	-	-	-
6175 (RU52.37)	19.24	-	-	-
6415 (RU52.40)	19.61	-	-	-
6535 (RU52.37)	19.16	-	-	-
6695 (RU52.37)	18.79	-	-	-
6855 (RU52.40)	17.79	-	-	-

Table 534 - 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 SP	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
5955 (RU106.53)	21.22	-	-	-
6175 (RU106.53)	21.20	-	-	-
6415 (RU106.54)	20.77	-	-	-
6535 (RU106.53)	17.79	-	-	-
6695 (RU106.53)	17.12	-	-	-
6855 (RU106.54)	18.00	-	-	-

Table 535 - Unwanted Emissions Within the Band Results

MIMO CDD

Protocol	Unwanted Emissions Within the RLAN Band	
	Margin (dB)	Frequency (MHz)
802.11ax HE20 SU	2.14	7037.200
802.11ax HE40 SU	4.11	6950.820
802.11ax HE80 SU	4.33	6759.000
802.11ax HE160 SU	4.09	6194.000

Table 536 - Unwanted Emissions Within the RLAN Band Summary Results – MIMO CDD LPI



Figure 188 - B (Core 1) 802.11ax HE20 SU 6995 MHz (CH209)

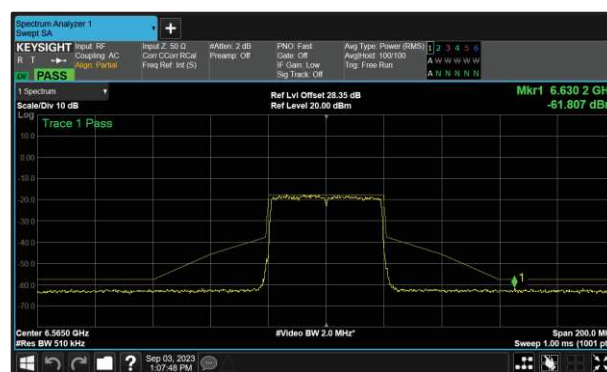


Figure 189 - A (Core 1) 802.11ax HE40 SU 6565 MHz (CH123)



Figure 190 - B (Core 1) 802.11ax HE80 SU 6625 MHz (CH135)



Figure 191 - B (Core 1) 802.11ax HE160 SU 6505 MHz (CH111)



Protocol	Unwanted Emissions Within the RLAN Band	
	Margin (dB)	Frequency (MHz)
802.11ax HE20 RU106	15.75	6164.200
802.11ax HE20 RU52	15.39	7105.800

Table 537 - Unwanted Emissions Within the RLAN Band Summary Results – MIMO CDD RU LPI



Figure 192 - B (Core 1) 802.11ax HE20 RU106 6175 MHz (CH45)



Figure 193 - B (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 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	3.70	3.52	-	-
6175	2.96	3.10	-	-
6415	3.01	3.01	-	-
6435	3.06	2.91	-	-
6475	2.46	2.60	-	-
6515	2.56	2.52	-	-
6535	2.30	2.19	-	-
6695	2.88	2.97	-	-
6855	2.62	2.92	-	-
6875	2.84	2.72	-	-
6895	2.42	2.67	-	-
6995	3.05	2.14	-	-
7095	3.00	2.45	-	-

Table 538 - 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 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	4.45	4.50	-	-
6165	5.42	6.10	-	-
6405	5.32	5.21	-	-
6445	5.35	5.36	-	-
6485	5.03	5.37	-	-
6525	4.66	4.81	-	-
6565	4.11	5.57	-	-
6685	5.08	5.06	-	-
6845	4.79	4.50	-	-
6885	4.73	4.16	-	-
6925	5.40	0.51	-	-
7005	6.29	4.94	-	-
7085	5.44	4.73	-	-

Table 539 - 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 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	4.76	4.58	-	-
6145	5.96	5.76	-	-
6385	5.50	5.44	-	-
6465	5.77	5.08	-	-
6545	4.83	4.81	-	-
6625	4.45	4.33	-	-
6705	5.66	4.76	-	-
6785	5.36	5.37	-	-
6865	4.61	4.77	-	-
6945	6.37	6.28	-	-
7025	6.61	6.60	-	-

Table 540 - 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 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	5.12	5.20	-	-
6185	5.91	6.30	-	-
6345	4.82	4.88	-	-
6505	4.09	4.57	-	-
6665	4.79	5.18	-	-
6825	5.14	5.24	-	-
6985	6.40	6.62	-	-

Table 541 - 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 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)	18.24	18.48	-	-
6175 (RU52.37)	18.48	18.34	-	-
6415 (RU52.40)	18.50	16.04	-	-
6435 (RU52.37)	18.76	18.78	-	-
6475 (RU52.37)	18.66	18.87	-	-
6515 (RU52.40)	18.20	17.68	-	-
6535 (RU52.37)	18.80	18.50	-	-
6695 (RU52.37)	18.94	18.83	-	-
6855 (RU52.40)	18.19	16.71	-	-
6875 (RU52.38)	19.03	19.16	-	-
6875 (RU52.39)	19.18	18.84	-	-
6895 (RU52.37)	19.30	18.20	-	-
6995 (RU52.37)	18.92	17.67	-	-
7095 (RU52.40)	19.13	15.39	-	-

Table 542 - 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 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)	17.96	17.79	-	-
6175 (RU106.53)	18.09	15.75	-	-
6415 (RU106.54)	18.16	16.96	-	-
6435 (RU106.53)	18.30	16.62	-	-
6475 (RU106.53)	17.79	16.35	-	-
6515 (RU106.54)	17.96	16.61	-	-
6535 (RU106.53)	18.07	18.00	-	-
6695 (RU106.53)	18.41	17.92	-	-
6855 (RU106.54)	18.60	17.16	-	-
6875 (RU106.53)	18.44	18.47	-	-
6875 (RU106.54)	18.24	18.19	-	-
6895 (RU106.53)	18.34	17.68	-	-
6995 (RU106.53)	18.47	16.94	-	-
7095 (RU106.54)	18.38	17.77	-	-

Table 543 - Unwanted Emissions Within the Band Results

Protocol	Unwanted Emissions Within the RLAN Band	
	Margin (dB)	Frequency (MHz)
802.11ax HE20 SU	16.33	6501.900
802.11ax HE40 SU	12.00	6500.320
802.11ax HE80 SU	6.15	6501.940
802.11ax HE160 SU	1.95	6092.500

Table 544 - Unwanted Emissions Within the RLAN Band Summary Results – MIMO CDD SP

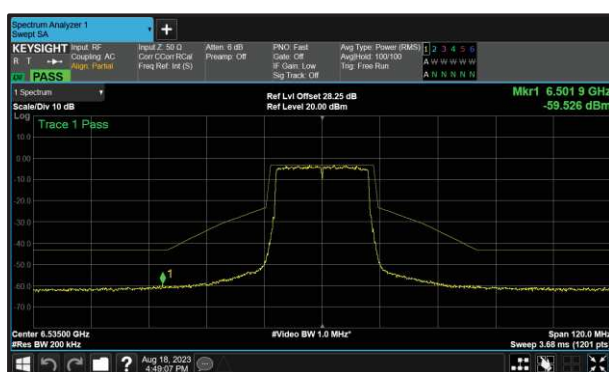


Figure 194 - B (Core 1) 802.11ax HE20 SU 6535 MHz (CH117)



Figure 195 - A (Core 0) 802.11ax HE40 SU 6565 MHz (CH123)



Figure 196 - A (Core 0) 802.11ax HE80 SU 6625 MHz (CH135)



Figure 197 - A (Core 0) 802.11ax HE160 SU 6345 MHz (CH79)

Protocol	Unwanted Emissions Within the RLAN Band	
	Margin (dB)	Frequency (MHz)
802.11ax HE20 RU106	15.22	6684.100
802.11ax HE20 RU26	15.77	6865.800
802.11ax HE20 RU52	16.12	6865.600

Table 545 - Unwanted Emissions Within the RLAN Band Summary Results – MIMO CDD RU SP



Figure 198 - B (Core 1) 802.11ax HE20 RU106 6695 MHz (CH149)

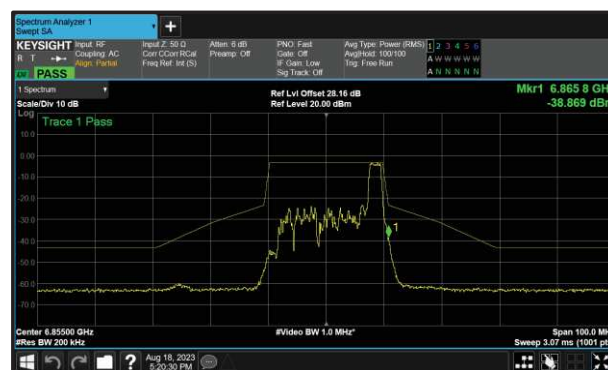


Figure 199 - B (Core 1) 802.11ax HE20 RU26 6855 MHz (CH181)

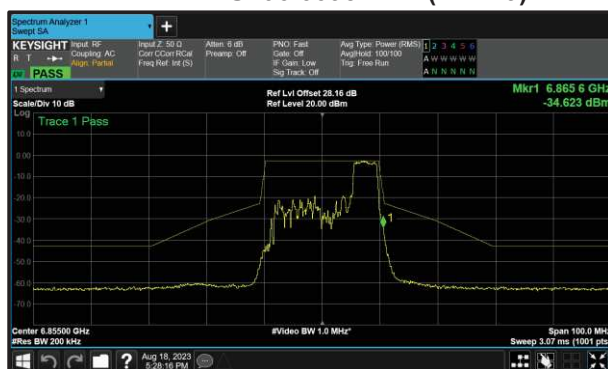


Figure 200 - B (Core 1) 802.11ax HE20 RU52 6855 MHz (CH181)



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 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	17.60	17.14	-	-
6175	17.29	17.51	-	-
6415	17.36	17.97	-	-
6535	16.76	16.33	-	-
6695	16.72	17.13	-	-
6855	16.93	16.82	-	-

Table 546 - 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 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	14.80	15.46	-	-
6165	13.48	14.89	-	-
6405	12.13	14.36	-	-
6565	12.00	14.94	-	-
6685	13.23	14.65	-	-
6845	14.13	14.60	-	-

Table 547 - 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 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	8.96	10.82	-	-
6145	6.92	7.40	-	-
6385	6.29	10.44	-	-
6625	6.15	7.10	-	-
6705	6.63	7.95	-	-
6785	7.19	7.42	-	-

Table 548 - 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 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	9.30	9.12	-	-
6185	2.63	4.01	-	-
6345	1.95	6.04	-	-
6665	2.67	5.79	-	-

Table 549 - 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 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)	18.60	18.42	-	-
6175 (RU26.0)	19.57	17.59	-	-
6415 (RU26.8)	19.23	16.00	-	-
6535 (RU26.0)	18.96	17.44	-	-
6695 (RU26.0)	19.27	17.90	-	-
6855 (RU26.8)	16.70	15.77	-	-

Table 550 - 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 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)	18.26	18.24	-	-
6175 (RU52.37)	18.94	18.12	-	-
6415 (RU52.40)	18.01	17.17	-	-
6535 (RU52.37)	18.46	19.09	-	-
6695 (RU52.37)	17.67	18.29	-	-
6855 (RU52.40)	17.39	16.12	-	-

Table 551 - 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 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)	18.05	18.60	-	-
6175 (RU106.53)	18.81	16.30	-	-
6415 (RU106.54)	18.95	17.40	-	-
6535 (RU106.53)	18.12	17.02	-	-
6695 (RU106.53)	18.49	15.22	-	-
6855 (RU106.54)	18.15	16.64	-	-

Table 552 - Unwanted Emissions Within the Band Results

MIMO SDM

Protocol	Unwanted Emissions Within the RLAN Band	
	Margin (dB)	Frequency (MHz)
802.11ax HE20 SU	3.87	6912.500
802.11ax HE40 SU	1.99	6066.420
802.11ax HE80 SU	2.87	6788.380
802.11ax HE160 SU	3.42	6204.000

Table 553 - Unwanted Emissions Within the RLAN Band Summary Results MIMO SDM LPI



Figure 201 - B (Core 1) 802.11ax HE20 SU 6875 MHz (CH185)

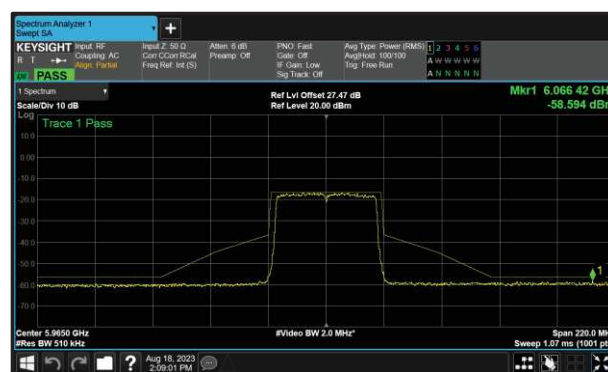


Figure 202 - A (Core 0) 802.11ax HE40 SU 5965 MHz (CH3)



Figure 203 - B (Core 1) 802.11ax HE80 SU 6625 MHz (CH135)

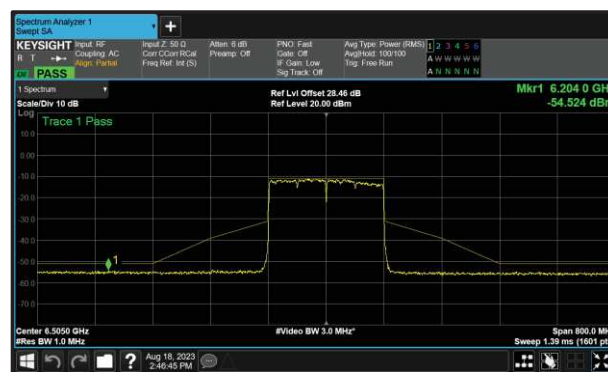


Figure 204 - A (Core 0) 802.11ax HE160 SU 6505 MHz (CH111)

Protocol	Unwanted Emissions Within the RLAN Band	
	Margin (dB)	Frequency (MHz)
802.11ax HE20 RU106	4.22	6909.600
802.11ax HE20 RU26	15.92	6525.700
802.11ax HE20 RU52	15.93	6865.900

Table 554 - Unwanted Emissions Within the RLAN Band Summary Results – MIMO SDM RU LPI



Figure 205 - B (Core 1) 802.11ax HE20 RU106 6875 MHz (CH185)

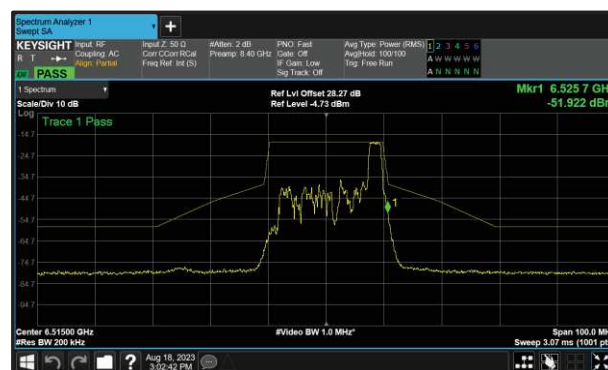


Figure 206 - B (Core 1) 802.11ax HE20 RU26 6515 MHz (CH113)



Figure 207 - B (Core 1) 802.11ax HE20 RU52 6855 MHz (CH181)



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 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	4.56	5.09	-	-
6175	5.06	5.00	-	-
6415	4.80	4.35	-	-
6435	6.03	4.77	-	-
6475	5.36	4.87	-	-
6515	4.80	5.34	-	-
6535	4.04	4.61	-	-
6695	4.91	4.33	-	-
6855	4.64	4.26	-	-
6875	5.03	3.87	-	-
6895	4.25	4.59	-	-
6995	5.63	4.01	-	-
7095	5.25	4.33	-	-

Table 555 - 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 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	1.99	2.04	-	-
6165	4.46	4.85	-	-
6405	4.33	4.44	-	-
6445	4.00	4.78	-	-
6485	4.35	4.14	-	-
6525	3.63	3.94	-	-
6565	3.32	3.24	-	-
6685	3.85	3.78	-	-
6845	3.85	4.20	-	-
6885	3.93	4.11	-	-
6925	4.81	4.96	-	-
7005	5.24	5.65	-	-
7085	5.53	5.44	-	-

Table 556 - 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 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	3.92	3.92	-	-
6145	5.05	5.36	-	-
6385	4.30	3.84	-	-
6465	4.08	3.77	-	-
6545	3.42	3.56	-	-
6625	3.36	2.87	-	-
6705	3.99	4.13	-	-
6785	4.31	4.26	-	-
6865	3.63	3.93	-	-
6945	5.40	5.15	-	-
7025	5.44	5.41	-	-

Table 557 - 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 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	4.78	5.35	-	-
6185	5.17	5.43	-	-
6345	3.79	3.84	-	-
6505	3.42	3.83	-	-
6665	4.01	4.16	-	-
6825	4.13	4.05	-	-
6985	5.37	5.66	-	-

Table 558 - 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 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)	18.70	17.76	-	-
6175 (RU26.0)	19.14	18.03	-	-
6415 (RU26.8)	19.10	16.72	-	-
6435 (RU26.0)	19.89	17.56	-	-
6475 (RU26.0)	19.63	17.79	-	-
6515 (RU26.8)	18.30	15.92	-	-
6535 (RU26.0)	19.57	18.02	-	-
6695 (RU26.0)	19.31	17.60	-	-
6855 (RU26.8)	18.62	16.77	-	-
6875 (RU26.3)	18.92	19.01	-	-
6875 (RU26.5)	20.26	19.42	-	-
6895 (RU26.0)	18.97	18.24	-	-
6995 (RU26.0)	20.41	18.37	-	-
7095 (RU26.8)	18.02	16.64	-	-

Table 559 - 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 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)	18.72	19.52	-	-
6175 (RU52.37)	17.68	18.03	-	-
6415 (RU52.40)	19.15	15.98	-	-
6435 (RU52.37)	18.01	19.68	-	-
6475 (RU52.37)	19.77	18.89	-	-
6515 (RU52.40)	18.67	17.16	-	-
6535 (RU52.37)	20.20	18.34	-	-
6695 (RU52.37)	19.14	20.07	-	-
6855 (RU52.40)	18.45	15.93	-	-
6875 (RU52.39)	20.61	20.28	-	-
6875 (RU52.38)	20.70	19.66	-	-
6895 (RU52.37)	20.24	19.19	-	-
6995 (RU52.37)	18.38	18.44	-	-
7095 (RU52.40)	19.77	16.61	-	-

Table 560 - 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 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)	4.57	5.74	-	-
6175 (RU106.53)	5.09	5.98	-	-
6415 (RU106.54)	5.06	5.28	-	-
6435 (RU106.53)	5.23	5.45	-	-
6475 (RU106.53)	5.10	5.85	-	-
6515 (RU106.54)	5.17	5.52	-	-
6535 (RU106.53)	4.43	4.93	-	-
6695 (RU106.53)	4.65	4.76	-	-
6855 (RU106.54)	4.85	4.81	-	-
6875 (RU106.53)	4.85	4.93	-	-
6875 (RU106.54)	4.50	4.22	-	-
6895 (RU106.53)	5.88	5.72	-	-
6995 (RU106.53)	6.01	5.06	-	-
7095 (RU106.54)	5.66	5.25	-	-

Table 561 - Unwanted Emissions Within the Band Results

Protocol	Unwanted Emissions Within the RLAN Band	
	Margin (dB)	Frequency (MHz)
802.11ax HE20 SU	14.80	6383.300
802.11ax HE40 SU	7.28	6501.420
802.11ax HE80 SU	6.10	6259.840
802.11ax HE160 SU	1.83	6096.000

Table 562 - Unwanted Emissions Within the RLAN Band Summary Results – MIMO SDM SP

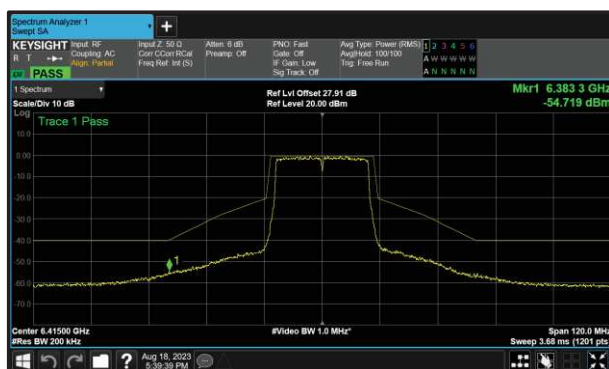


Figure 208 - A (Core 0) 802.11ax HE20 SU 6415 MHz (CH93)

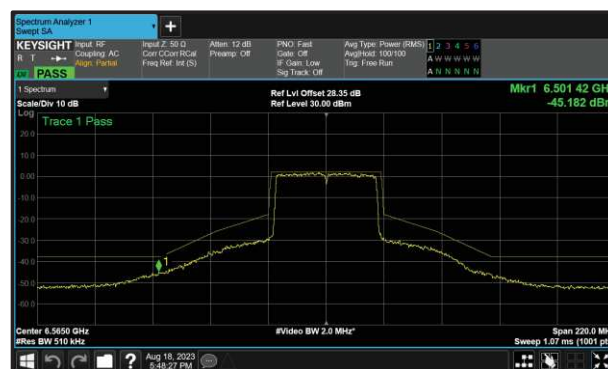


Figure 209 - A (Core 0) 802.11ax HE40 SU 6565 MHz (CH123)



Figure 210 - A (Core 0) 802.11ax HE80 SU 6385 MHz (CH87)

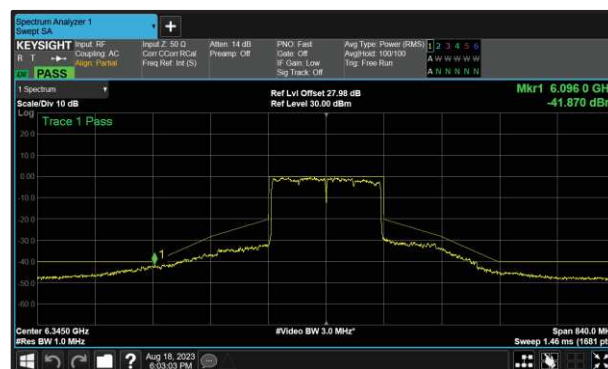


Figure 211 - A (Core 0) 802.11ax HE160 SU 6345 MHz (CH79)

Protocol	Unwanted Emissions Within the RLAN Band	
	Margin (dB)	Frequency (MHz)
802.11ax HE20 RU106	16.10	6425.900
802.11ax HE20 RU26	16.19	6425.700
802.11ax HE20 RU52	16.00	6425.800

Table 563 - Unwanted Emissions Within the RLAN Band Summary Results – MIMO SDM RU SP

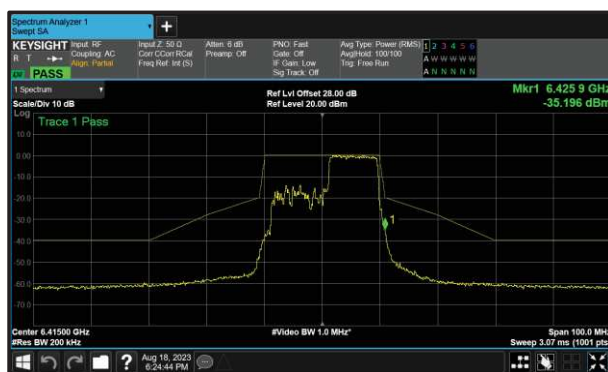


Figure 212 - B (Core 1) 802.11ax HE20 RU106 6415 MHz (CH93)

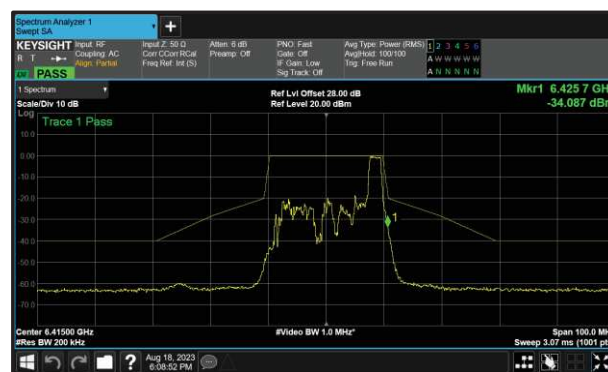


Figure 213 - B (Core 1) 802.11ax HE20 RU26 6415 MHz (CH93)



Figure 214 - B (Core 1) 802.11ax HE20 RU52 6415 MHz (CH93)



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 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	17.38	17.64	-	-
6175	16.62	17.79	-	-
6415	14.80	16.08	-	-
6535	16.32	17.12	-	-
6695	15.87	17.28	-	-
6855	15.88	16.56	-	-

Table 564 - 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 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	8.50	10.11	-	-
6165	9.01	10.34	-	-
6405	8.06	10.63	-	-
6565	7.28	10.03	-	-
6685	8.40	10.70	-	-
6845	8.66	9.26	-	-

Table 565 - 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 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	8.48	10.60	-	-
6145	6.68	7.42	-	-
6385	6.10	9.72	-	-
6625	6.30	6.66	-	-
6705	6.63	7.27	-	-
6785	6.46	7.11	-	-

Table 566 - 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 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	9.06	8.62	-	-
6185	3.04	3.27	-	-
6345	1.83	4.85	-	-
6665	2.81	4.89	-	-

Table 567 - 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 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)	20.58	17.38	-	-
6175 (RU26.0)	19.78	18.82	-	-
6415 (RU26.8)	18.30	16.19	-	-
6535 (RU26.0)	19.67	17.09	-	-
6695 (RU26.0)	18.91	18.67	-	-
6855 (RU26.8)	18.36	16.28	-	-

Table 568 - 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 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)	18.11	19.79	-	-
6175 (RU52.37)	18.11	19.35	-	-
6415 (RU52.40)	18.47	16.00	-	-
6535 (RU52.37)	20.79	17.91	-	-
6695 (RU52.37)	17.76	18.69	-	-
6855 (RU52.40)	18.83	17.04	-	-

Table 569 - 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 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)	20.22	17.47	-	-
6175 (RU106.53)	19.82	16.40	-	-
6415 (RU106.54)	20.71	16.10	-	-
6535 (RU106.53)	20.27	17.31	-	-
6695 (RU106.53)	20.45	18.08	-	-
6855 (RU106.54)	20.60	16.16	-	-

Table 570 - Unwanted Emissions Within the Band Results

TxBF

Protocol	Unwanted Emissions Within the RLAN Band	
	Margin (dB)	Frequency (MHz)
802.11ax HE40 SU	0.01	6860.100
802.11ax HE80 SU	0.49	6640.560

Table 571 - Unwanted Emissions Within the RLAN Band Summary Results



Figure 215 - B (Core 1) 802.11ax HE40 SU 6925 MHz (CH195)

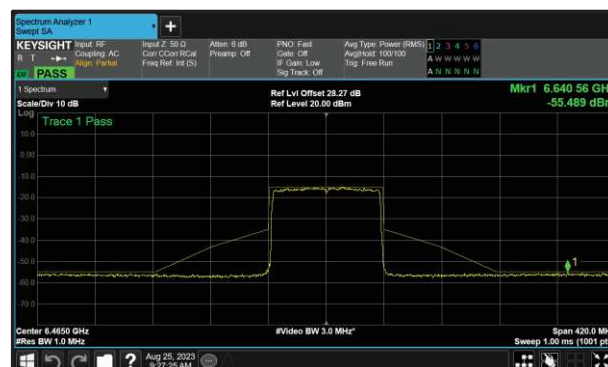


Figure 216 - A (Core 0) 802.11ax HE80 SU 6465 MHz (CH103)



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 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
6925	0.54	0.01	-	-
7005	0.97	0.34	-	-
7085	0.61	0.38	-	-

Table 572 - Unwanted Emissions Within the Band Results

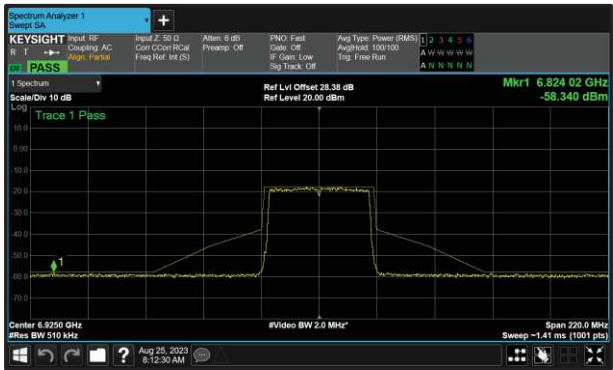


Figure 217 - A (Core 0) 6925 MHz
(CH195)

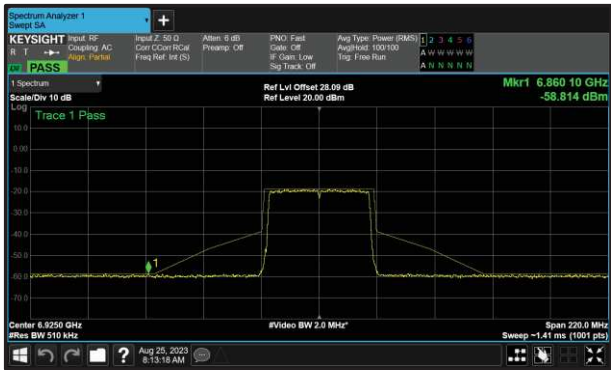


Figure 218 - B (Core 1) 6925 MHz
(CH195)



Figure 219 - A (Core 0) 7005 MHz (CH211)



Figure 220 - B (Core 1) 7005 MHz (CH211)



Figure 221 - A (Core 0) 7085 MHz (CH227)



Figure 222 - B (Core 1) 7085 MHz (CH227)



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	0.51	1.00	-	-
6145	1.41	2.04	-	-
6385	0.64	2.20	-	-
6465	0.49	2.09	-	-
6545	1.13	1.40	-	-
6625	0.53	1.45	-	-
6705	1.36	1.36	-	-
6785	1.16	1.75	-	-
6865	0.79	1.70	-	-
6945	2.27	2.26	-	-
7025	2.23	2.63	-	-

Table 573 - Unwanted Emissions Within the Band Results



Figure 223 - A (Core 0) 5985 MHz (CH7)

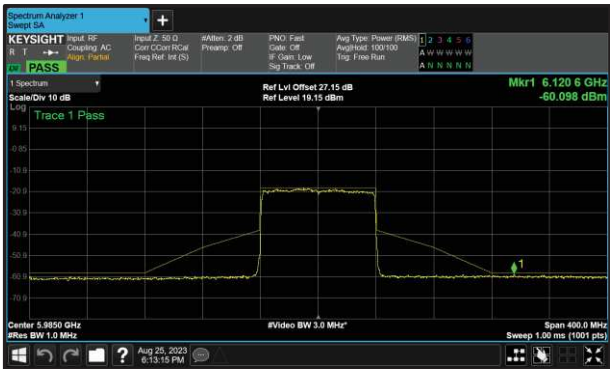


Figure 224 - B (Core 1) 5985 MHz (CH7)



Figure 225 - A (Core 0) 6145 MHz
(CH39)

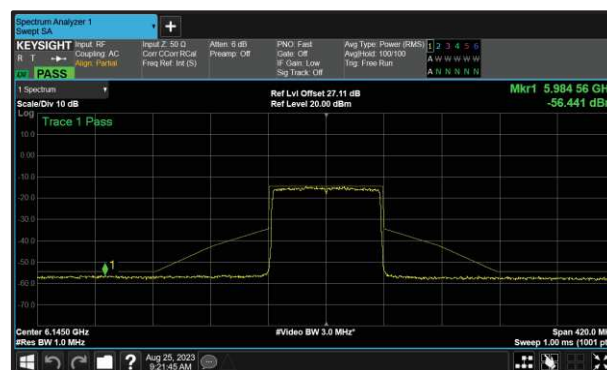


Figure 226 - B (Core 1) 6145 MHz
(CH39)

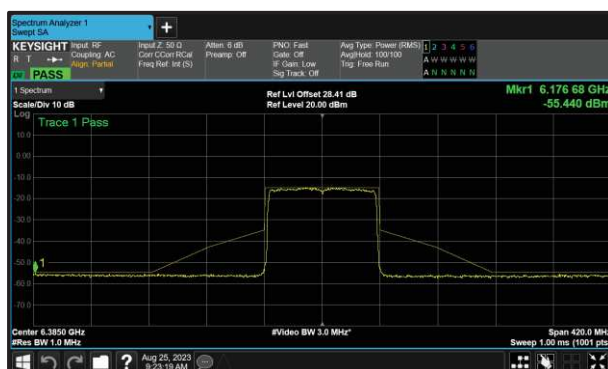


Figure 227 - A (Core 0) 6385 MHz
(CH87)

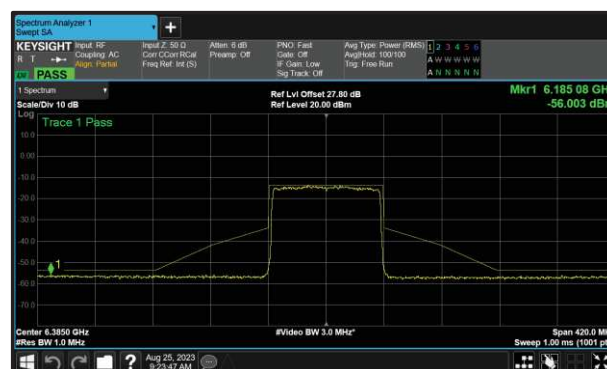


Figure 228 - B (Core 1) 6385 MHz
(CH87)

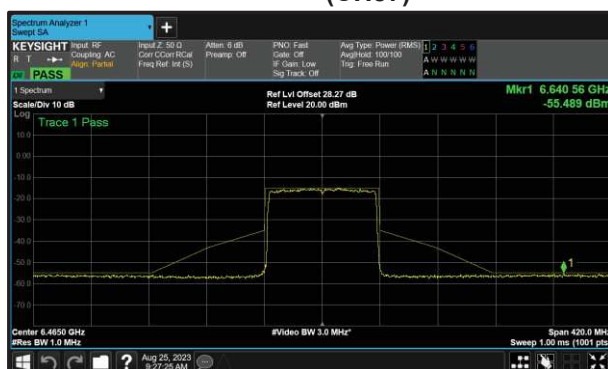


Figure 229 - A (Core 0) 6465 MHz
(CH103)

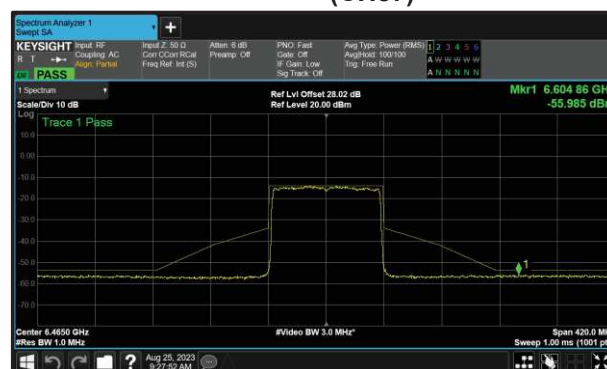


Figure 230 - B (Core 1) 6465 MHz
(CH103)

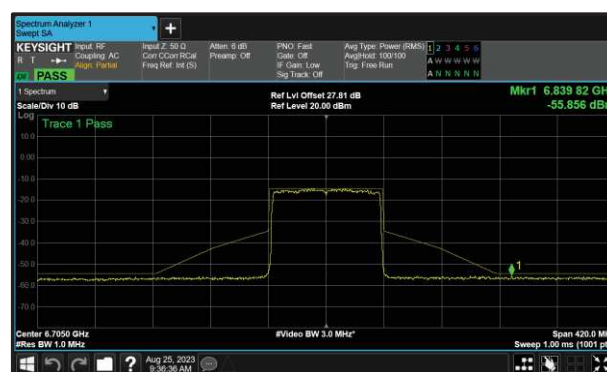
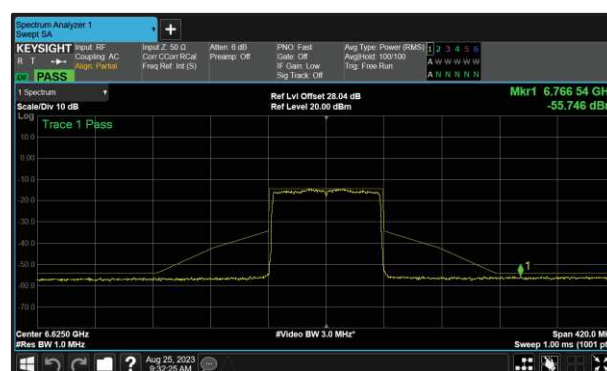
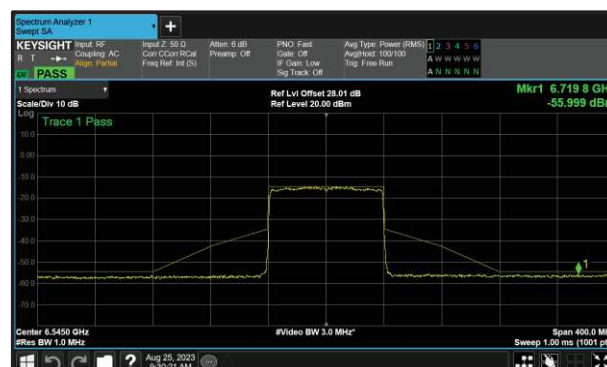
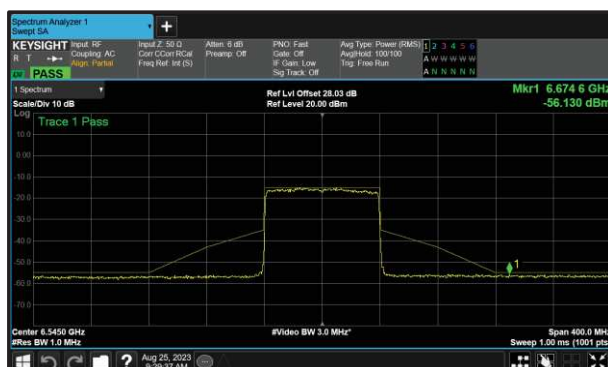




Figure 237 - A (Core 0) 6785 MHz
(CH167)

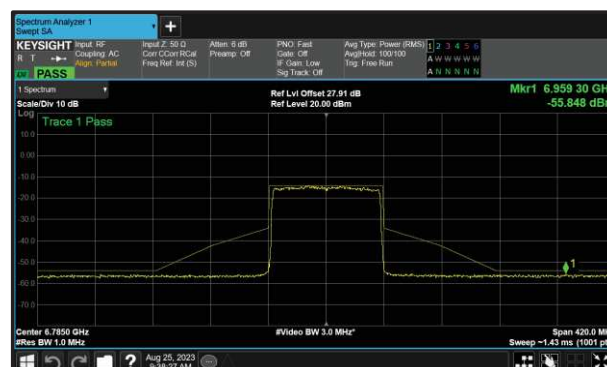


Figure 238 - B (Core 1) 6785 MHz
(CH167)

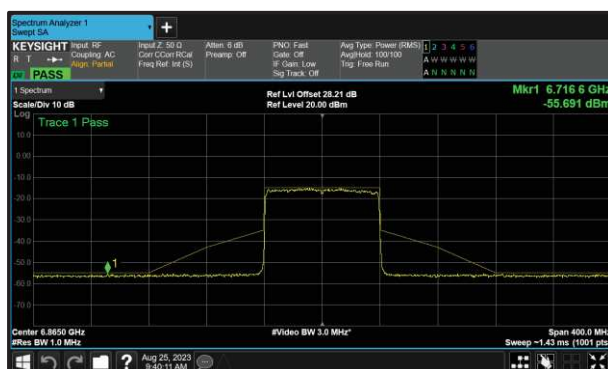


Figure 239 - A (Core 0) 6865 MHz
(CH183)

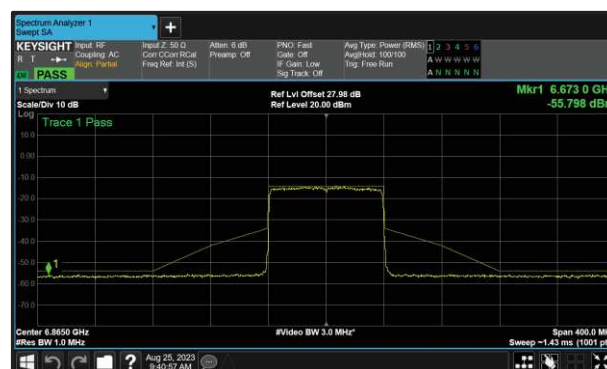


Figure 240 - B (Core 1) 6865 MHz
(CH183)



Figure 241 - A (Core 0) 6945 MHz
(CH199)

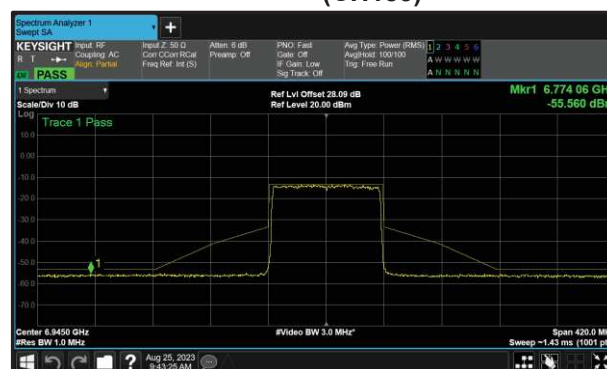


Figure 242 - B (Core 1) 6945 MHz
(CH199)



Figure 243 - A (Core 0) 7025 MHz (CH215)



Figure 244 - B (Core 1) 7025 MHz (CH215)

Protocol	Unwanted Emissions Within the RLAN Band	
	Margin (dB)	Frequency (MHz)
802.11ax HE20 SU	16.55	6382.700
802.11ax HE40 SU	11.93	6499.240
802.11ax HE80 SU	8.93	6261.520

Table 574 - Unwanted Emissions Within the RLAN Band Summary Results

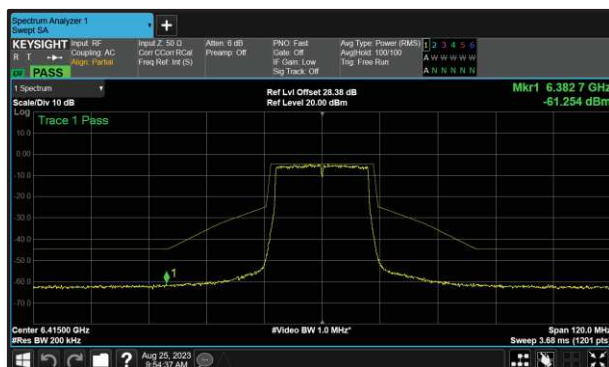


Figure 245 - A (Core 0) 802.11ax HE20 SU 6415 MHz (CH93)



Figure 246 - A (Core 0) 802.11ax HE40 SU 6565 MHz (CH123)



Figure 247 - A (Core 0) 802.11ax HE80 SU 6385 MHz (CH87)



Test Configuration			
Frequency Range:	5.925–6.875 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 HE20 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
5955	16.58	16.92	-	-
6175	16.74	16.90	-	-
6415	16.55	17.41	-	-
6535	16.61	17.19	-	-
6695	16.74	17.17	-	-
6855	17.18	16.90	-	-

Table 575 - Unwanted Emissions Within the Band Results

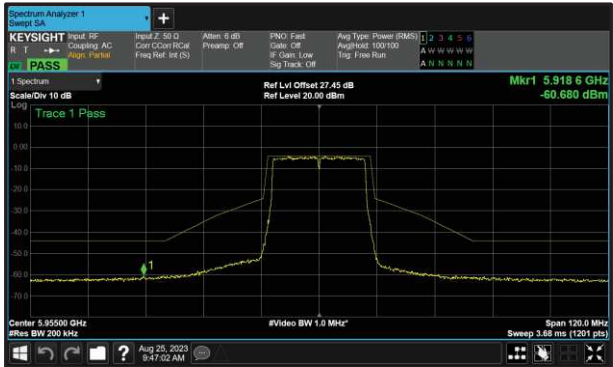


Figure 248 - A (Core 0) 5955 MHz (CH1)



Figure 249 - B (Core 1) 5955 MHz (CH1)

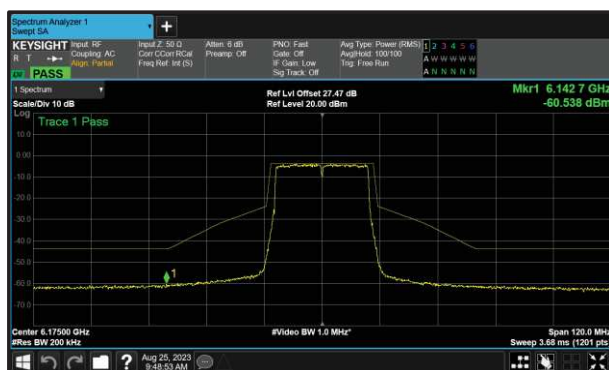


Figure 250 - A (Core 0) 6175 MHz
(CH45)

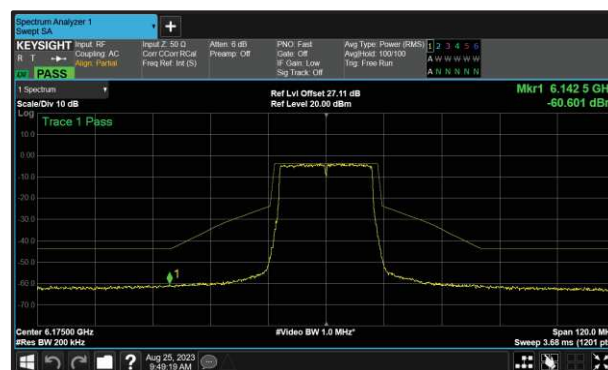


Figure 251 - B (Core 1) 6175 MHz
(CH45)

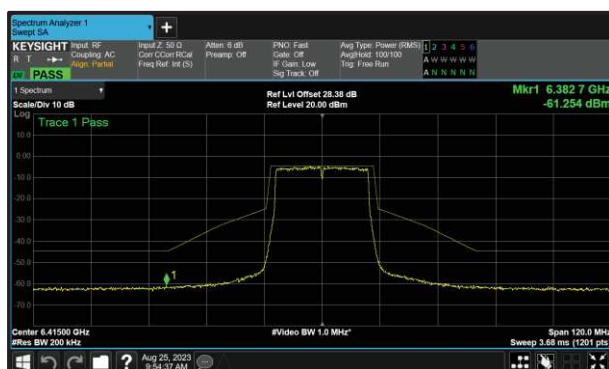


Figure 252 - A (Core 0) 6415 MHz
(CH93)

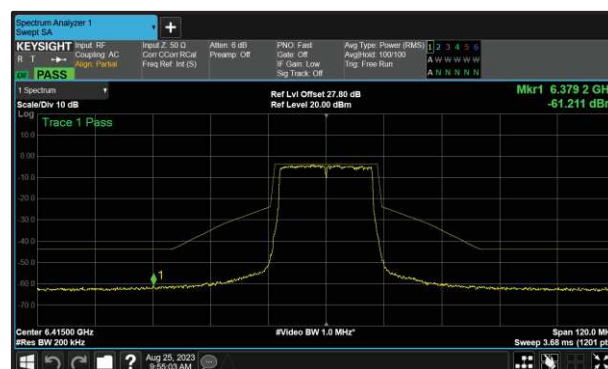


Figure 253 - B (Core 1) 6415 MHz
(CH93)

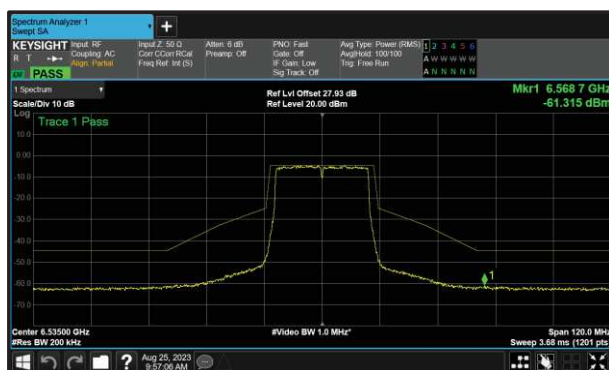


Figure 254 - A (Core 0) 6535 MHz
(CH117)

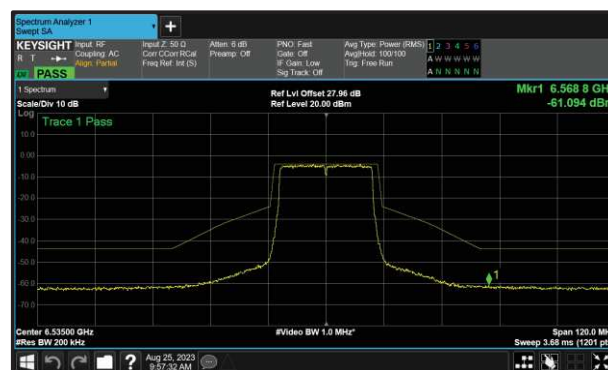


Figure 255 - B (Core 1) 6535 MHz
(CH117)

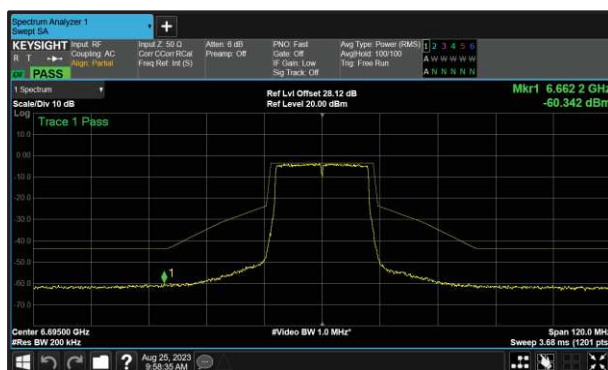


Figure 256 - A (Core 0) 6695 MHz
(CH149)

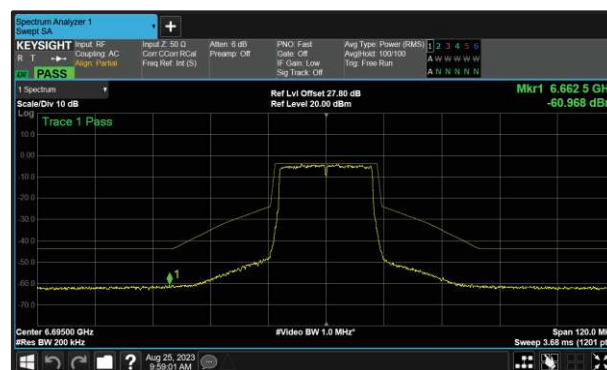


Figure 257 - B (Core 1) 6695 MHz
(CH149)

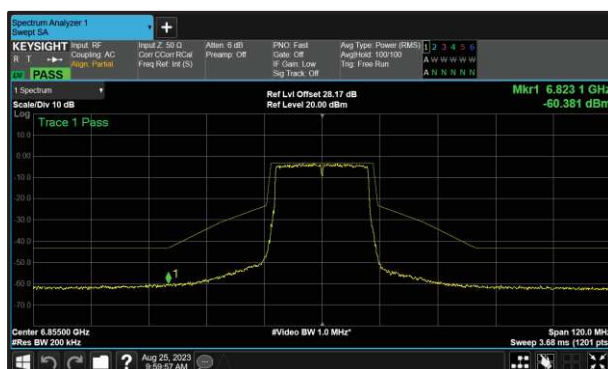


Figure 258 - A (Core 0) 6855 MHz
(CH181)

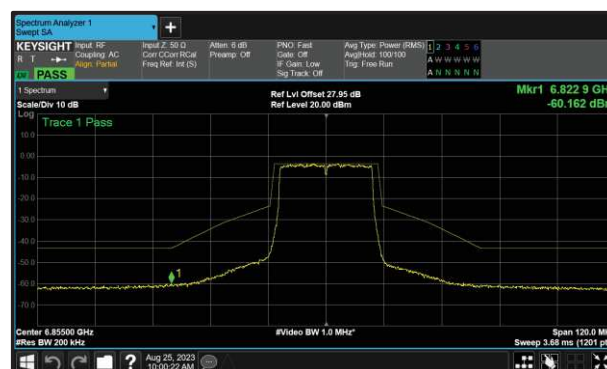


Figure 259 - B (Core 1) 6855 MHz
(CH181)



Test Configuration			
Frequency Range:	5.925–6.875 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
5965	15.18	15.41	-	-
6165	13.43	15.16	-	-
6405	12.80	13.22	-	-
6565	11.93	14.30	-	-
6685	13.37	14.25	-	-
6845	13.70	13.79	-	-

Table 576 - Unwanted Emissions Within the Band Results



Figure 260 - A (Core 0) 5965 MHz (CH3)



Figure 261 - B (Core 1) 5965 MHz (CH3)



Figure 262 - A (Core 0) 6165 MHz
(CH43)

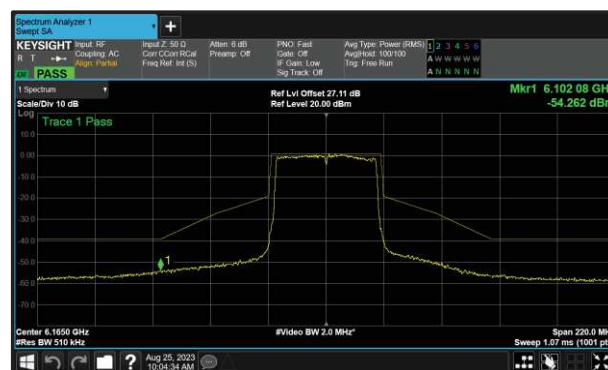


Figure 263 - B (Core 1) 6165 MHz
(CH43)



Figure 264 - A (Core 0) 6405 MHz
(CH91)

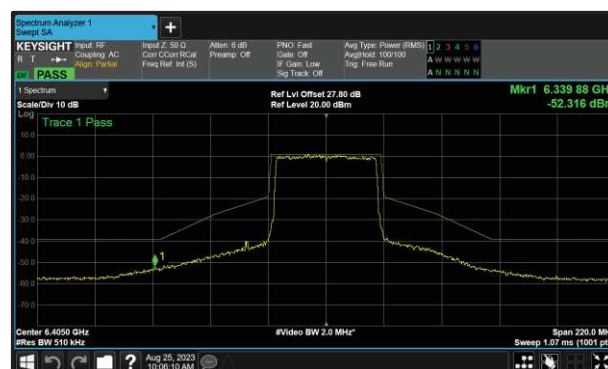


Figure 265 - B (Core 1) 6405 MHz
(CH91)



Figure 266 - A (Core 0) 6565 MHz
(CH123)

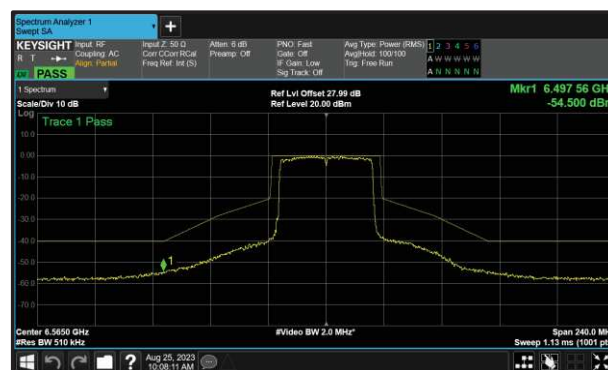


Figure 267 - B (Core 1) 6565 MHz
(CH123)



Figure 268 - A (Core 0) 6685 MHz
(CH147)

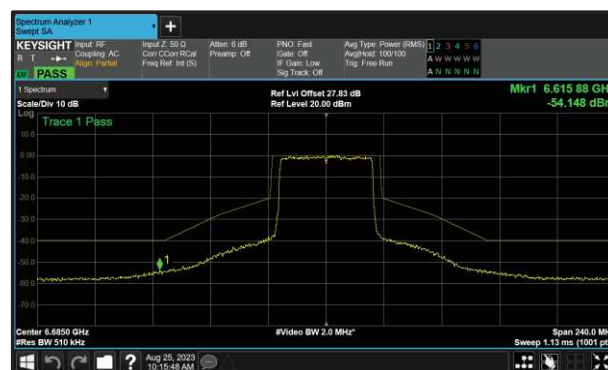


Figure 269 - B (Core 1) 6685 MHz
(CH147)



Figure 270 - A (Core 0) 6845 MHz
(CH179)

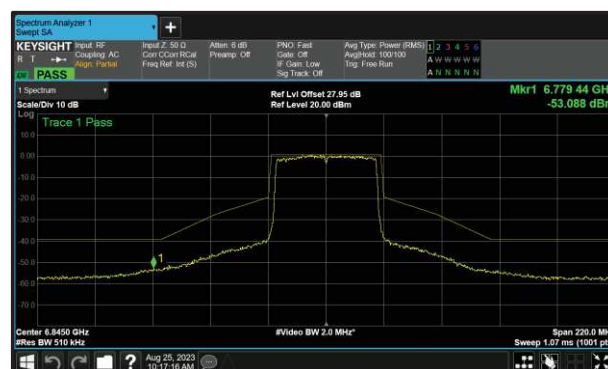


Figure 271 - B (Core 1) 6845 MHz
(CH179)



Test Configuration			
Frequency Range:	5.925–6.875 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 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	11.24	11.55	-	-
6145	11.26	11.43	-	-
6385	8.93	10.59	-	-
6625	10.02	11.04	-	-
6705	11.78	11.93	-	-
6785	12.30	12.17	-	-

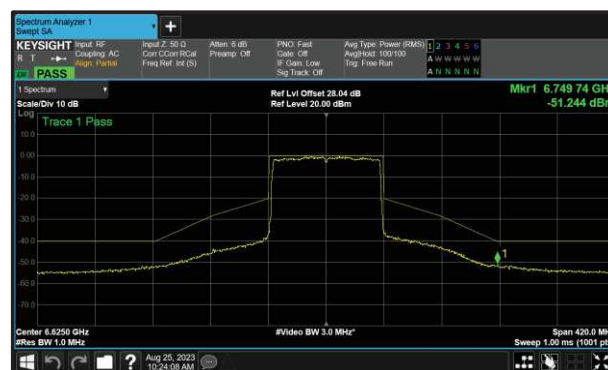
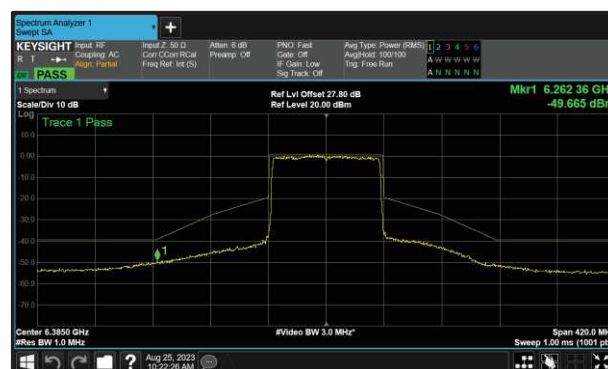
Table 577 - Unwanted Emissions Within the Band Results

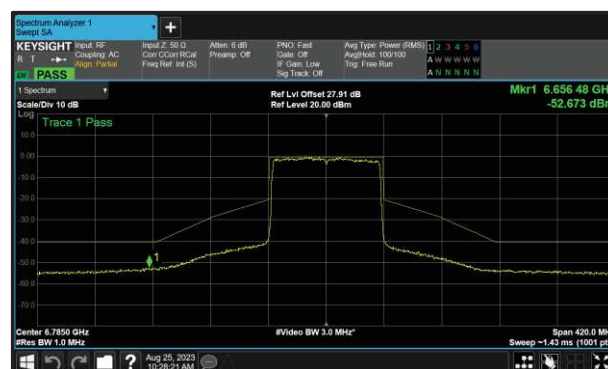
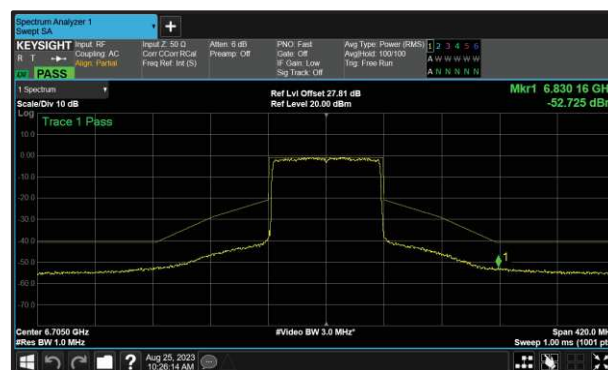


Figure 272 - A (Core 0) 5985 MHz (CH7)



Figure 273 - B (Core 1) 5985 MHz (CH7)







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.

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
Power splitter - 2 port	Mini-Circuits	ZN2PD-63-S+	4743	12	30-Nov-2023
Attenuator 5W 30dB DC-18GHz	Aaren	AT40A-4041-D18-30	5505	12	21-Feb-2024
Cable (18 GHz)	Rosenberger	LU7-071-1000	5100	12	23-Oct-2023
Directional Coupler 2-8GHz	RF-Lambda	RFDC2G8G10	5765	-	O/P Mon
Directional Coupler 2-8GHz	RF-Lambda	RFDC2G8G10	5766	-	O/P Mon
1500VA AC Power Supply	iTech	IT7324	5907	-	O/P Mon
MXA Signal Analyser	Keysight Technologies	N9020B	5919	24	13-Mar-2024
Cable (SMA to SMA 1m)	Junkosha	MWX221-01000AMSAMS/B	6019	12	05-Jun-2024
Digital Multimeter	Fluke	115	6145	12	15-Jun-2024
Coaxial Fixed Attenuator DC-18GHz 5W 10dB	RF-Lambda	RFS5G18B10SMP	6176	12	19-Jul-2024
MXA Signal Analyser	Keysight Technologies	N9020B	6417	24	26-Feb-2025
Signal Conditioning Unit	TUV SUD	SPECTRUM_SCU001	6518	12	26-May-2024
Signal Conditioning Unit	TUV SUD	SPECTRUM_SCU001	6519	12	17-May-2024
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6520	12	10-Aug-2024
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6521	12	10-Aug-2024
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6526	12	23-May-2024
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6527	12	23-May-2024
AC Programmable Power Supply	iTech	IT7324	6662	-	O/P Mon

Table 578

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

A2991, S/N: J042FJ2R12 - Modification State 0

2.7.3 Date of Test

11-August-2023 to 17-August-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. 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

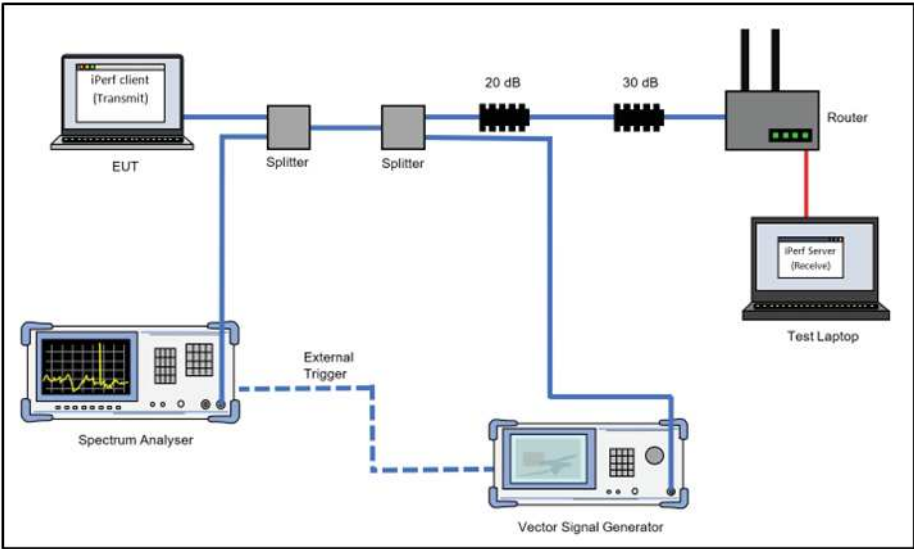


Figure 284 - Test Equipment Setup Diagram

2.7.6 Environmental Conditions

Ambient Temperature	22.2 - 23.1 °C
Relative Humidity	32.5 - 36.5 %



2.7.7 Test Results

6 GHz WLAN

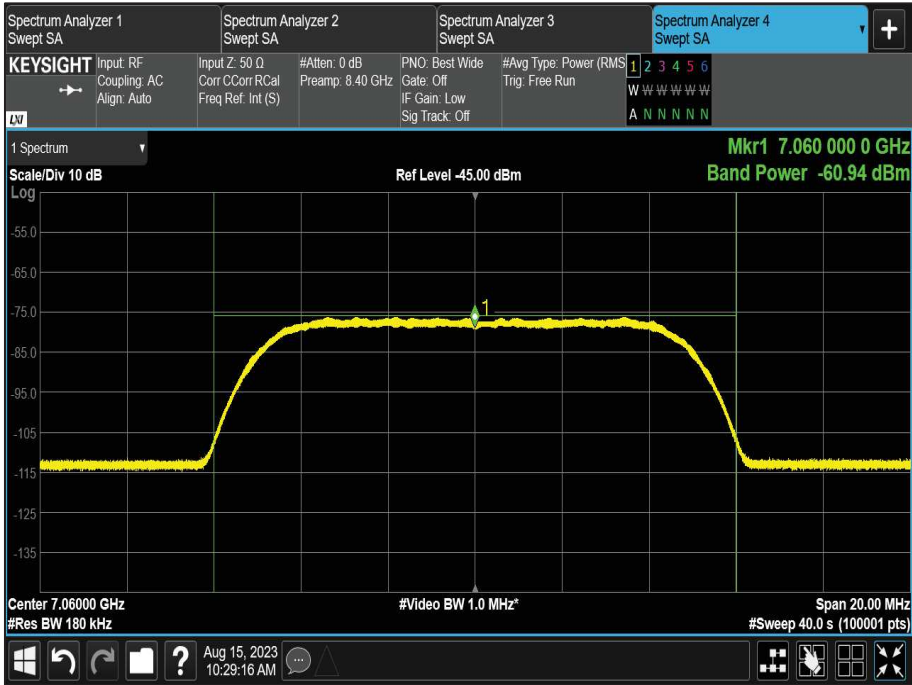


Figure 285 - Example of AWGN Signal



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)	-74.45	-72.34	-71.72
Antenna Gain (dBi)	3.00	3.00	3.00
Adjusted Power (dBm)	-77.45	-75.34	-74.72
Detection Limit (dBm)	-62.0	-62.0	-62.0
EUT Tx Status (OFF/Minimal/ON)	ON	Minimal	OFF

Table 579 - U-NII-5, Minimum Bandwidth



Figure 286 - U-NII-5, Minimum Bandwidth