



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

Table 513 - 6855 MHz (CH181), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz

*No emissions found within 10 dB of the limit.

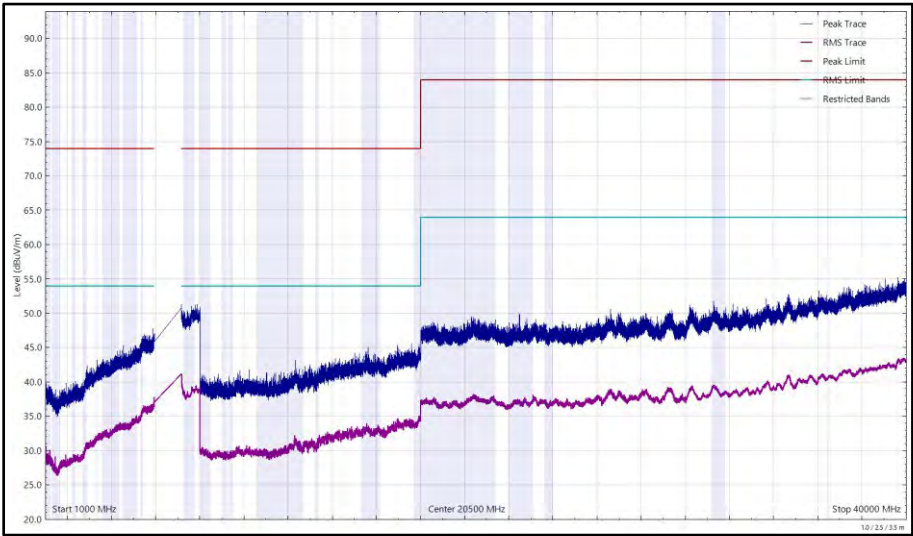


Figure 229 - 6855 MHz (CH181), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

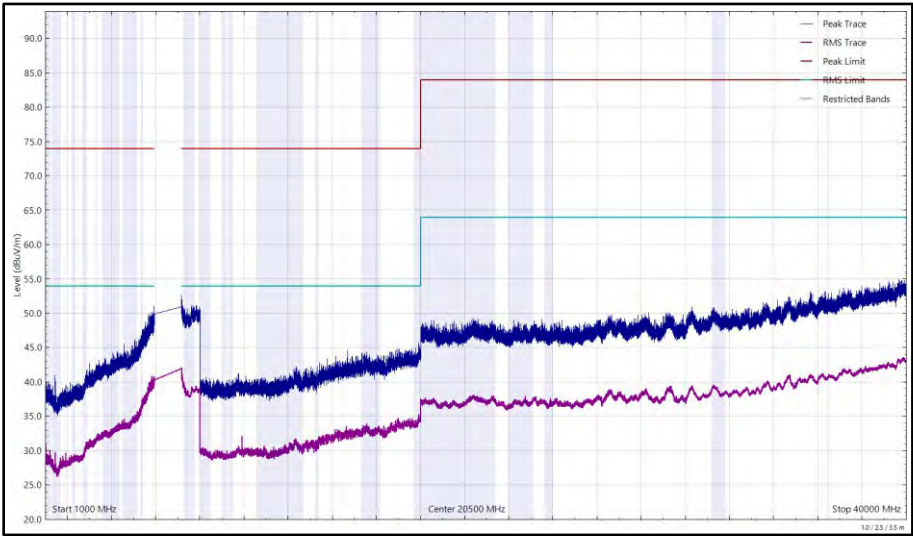


Figure 230 - 6855 MHz (CH181), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical



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

Table 514 - 6895 MHz (CH189), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz

*No emissions found within 10 dB of the limit.

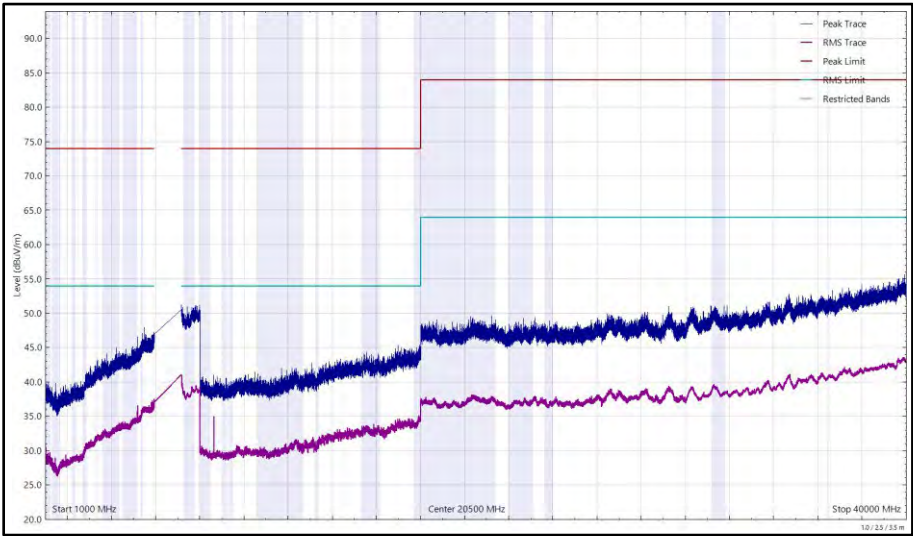


Figure 231 - 6895 MHz (CH189), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

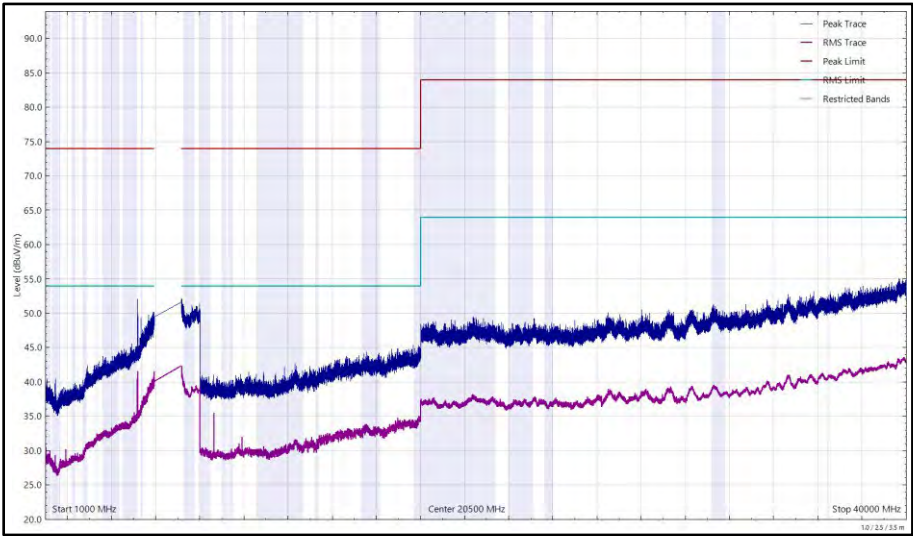


Figure 232 - 6895 MHz (CH189), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

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

Table 515 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1, 30 MHz to 40 GHz

*No emissions found within 10 dB of the limit.

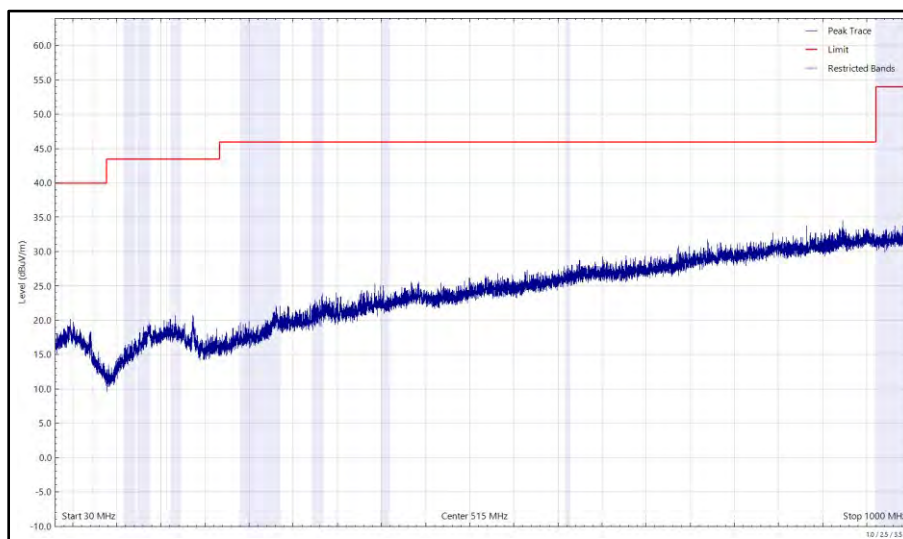


Figure 233 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

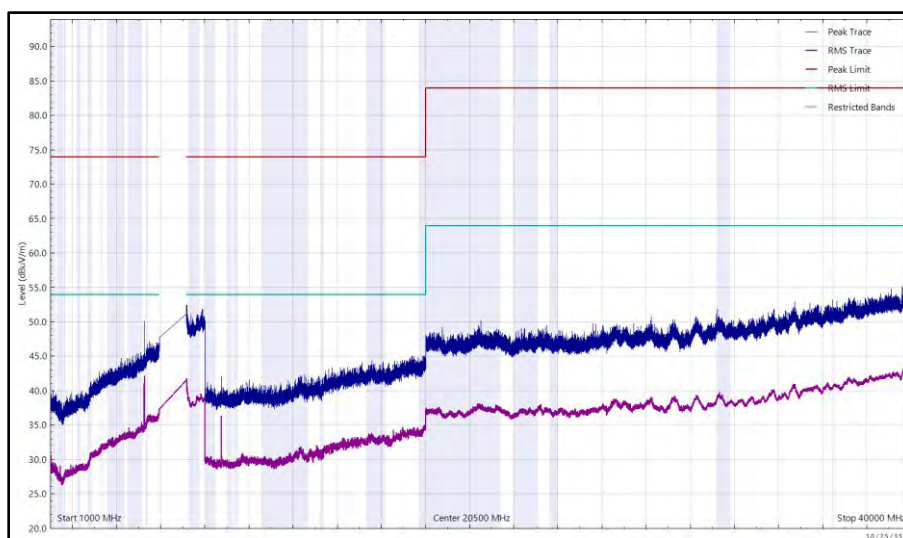


Figure 234 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

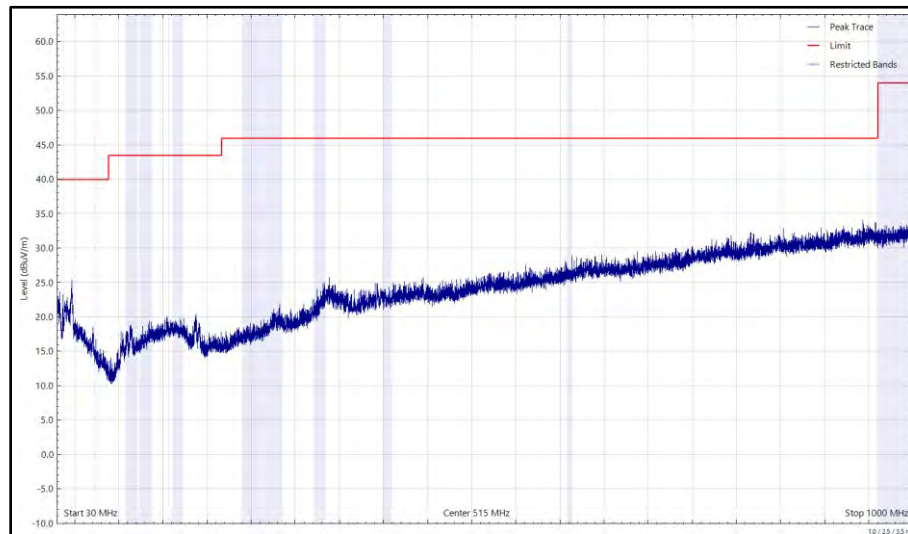


Figure 235 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

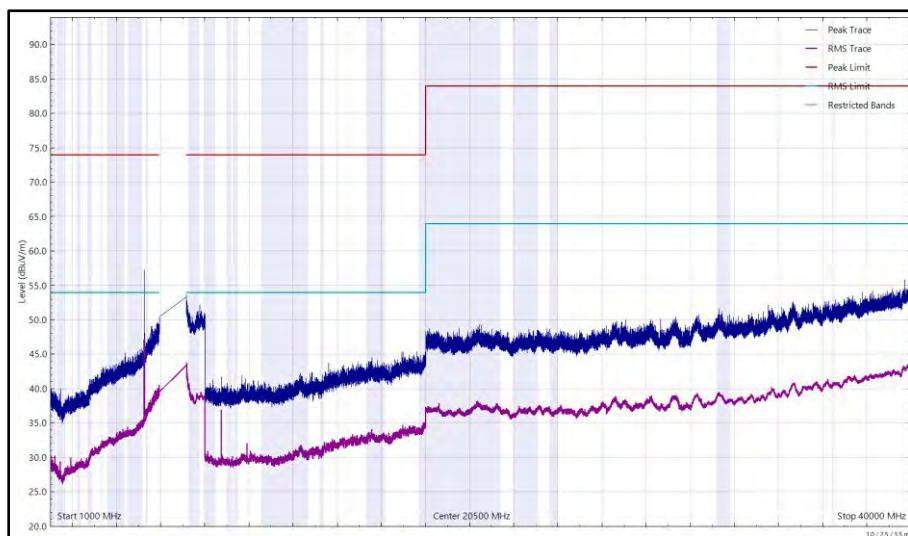


Figure 236 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical



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

Table 516 - 7115 MHz (CH233), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz

*No emissions found within 10 dB of the limit.

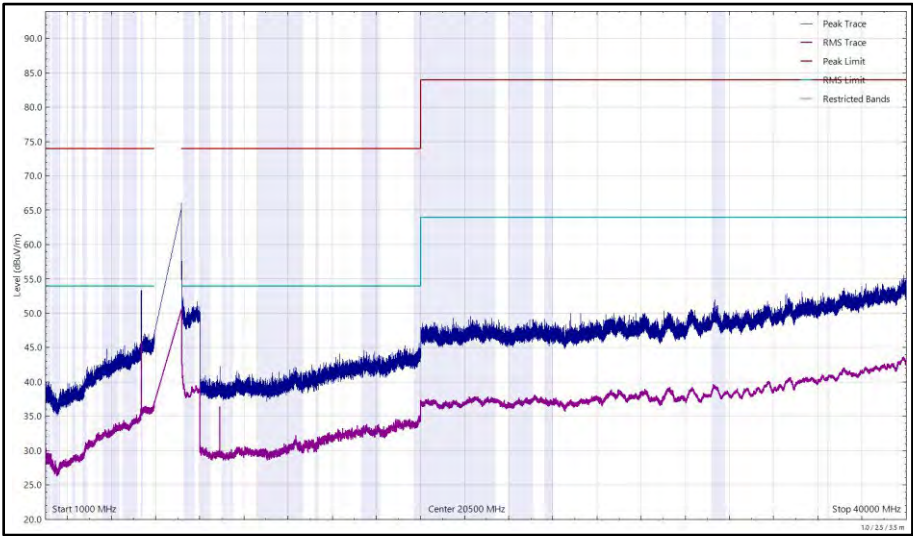


Figure 237 - 7115 MHz (CH233), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

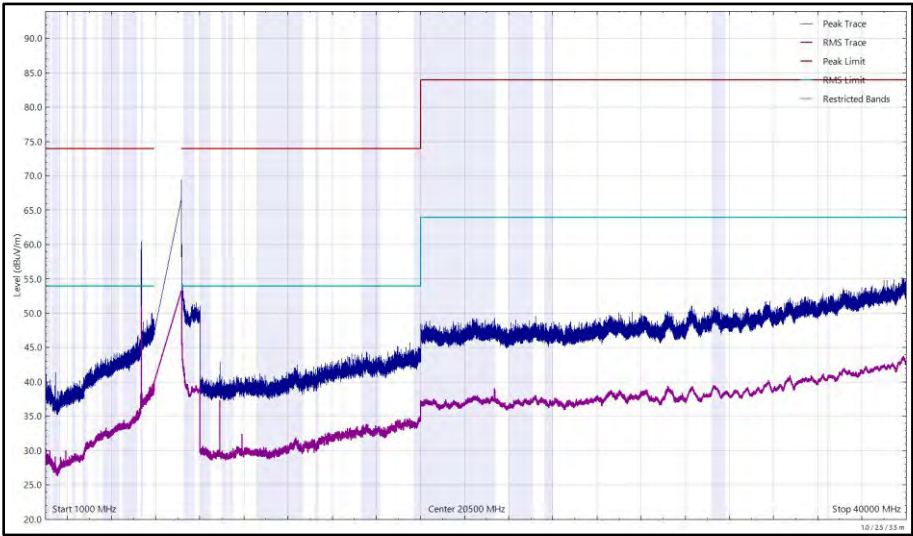


Figure 238 - 7115 MHz (CH233), HE20, SU, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical



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

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 ($\mu\text{V/m}$) at 3m	Field Strength Limit ($\text{dB}\mu\text{V/m}$) 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 517 - 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 ($\mu\text{V/m}$) at 3m	Field Strength Limit ($\text{dB}\mu\text{V/m}$) 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 518 - 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	24-Oct-2024
Emissions Software	TUV SUD	EmX V3.1.12	5125	-	Software
EMI Test Receiver	Rohde & Schwarz	ESW44	5911	12	05-May-2024
DRG Horn Antenna (7.5-18GHz)	Schwarzbeck	HWRD750	5940	12	09-Jul-2024
TRILOG Super Broadband Test Antenna	Schwarzbeck	VULB 9168	5944	24	03-Feb-2024
1500W (300V 12A) AC Power Supply	iTech	IT7324	5955	-	O/P Mon
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 1m)	Junkosha	MWX221-01000NMSNMS/B	5999	12	05-Jun-2024
Cable (N to N 8m)	Junkosha	MWX221-08000NMSNMS/A	6006	12	05-Jun-2024
Cable (N to N 7m)	Junkosha	MWX221-07000NMSNMS/B	6016	12	05-Jun-2024
Horn Antenna (1-10 GHz)	Schwarzbeck	BBHA9120B	6140	12	26-Aug-2024
Digital Multimeter	Fluke	115	6147	12	16-Jun-2024
Double Ridge Active Horn Antenna (18-40 GHz)	Com-Power	AHA-840	6188	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	6196	12	24-Jul-2024
Pre Amp 8 - 18 GHz	Wright Technologies	APS06 0061	6198	12	14-Jul-2024
Pre Amp 8 - 18 GHz	Wright Technologies	APS06 0061	6200	12	14-Jul-2024
Attenuator 4dB	Pasternack	PE7074-4	6203	24	16-Jul-2024
Cable (SMA to SMA 20cm)	TUV SUD	MH-FH 8-18	6220	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	6323	12	04-Feb-2024
8 GHz High Pass Filter	Wainwright	WHKX 7150 8000 18000 50SS	6427	12	24-Jul-2024
DRG Horn Antenna	Schwarzbeck	HWRD750	6458	12	09-Jul-2024
Humidity and Temperature Meter	R.S Components	1364	6486	12	18-Apr-2024
Coax cable sma to sma with N-Type adapter	TUV SUD	N/A	6637	12	24-Jul-2024

Table 519

TU - Traceability Unscheduled

O/P Mon - Output Monitored using calibrated equipment



2.6 Unwanted Emissions within the 5925-7125 MHz band

2.6.1 Specification Reference

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

2.6.2 Equipment Under Test and Modification State

A3113, S/N: FYL0QJ76JQ - Modification State 0
A3113, S/N: HPHV6327GY - Modification State 0

2.6.3 Date of Test

06-November-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	22.6 °C
Relative Humidity	49.6 %

2.6.6 Test Results

6 GHz WLAN

SISO

Protocol	Unwanted Emissions Within the RLAN Band	
	Margin (dB)	Frequency (MHz)
802.11a LPI	5.37	6085.300
802.11ax HE20 SU LPI	15.01	5964.200
802.11ax HE40 SU LPI	11.52	6065.306
802.11ax HE80 SU LPI	8.44	6826.000
802.11ax HE160 SU LPI	7.06	6426.000

Table 520 - Unwanted Emissions Within the RLAN Band Summary Results - SISO LPI



Figure 239 - A (Core 0) 802.11a LPI 7115 MHz (CH233)



Figure 240 - A (Core 0) 802.11ax HE20 SU LPI 7115 MHz (CH233)

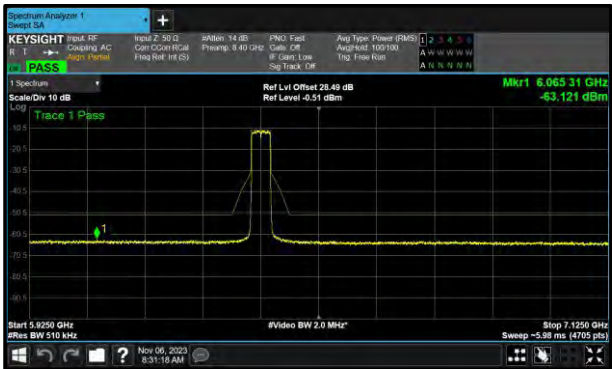


Figure 241 - A (Core 0) 802.11ax HE40 SU LPI
6405 MHz (CH91)

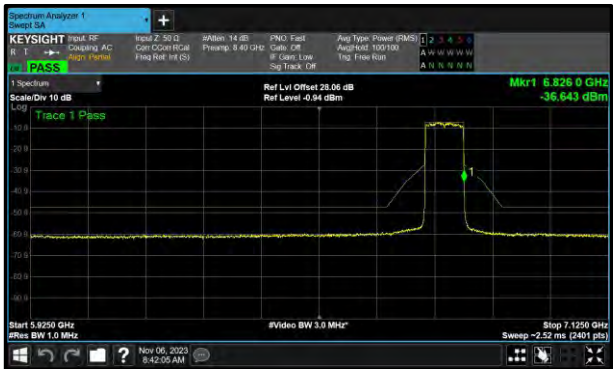


Figure 242 - B (Core 1) 802.11ax HE80 SU LPI
6785 MHz (CH167)

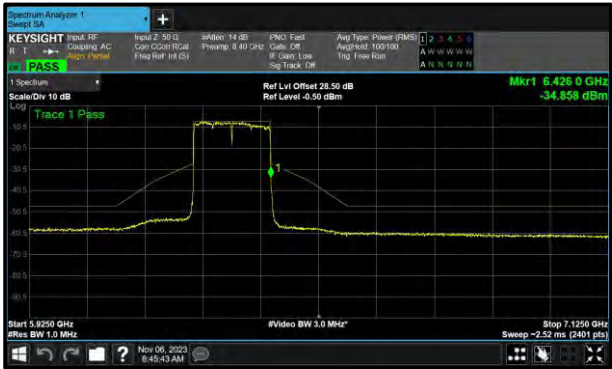


Figure 243 - A (Core 0) 802.11ax HE160 SU LPI
6345 MHz (CH79)

Protocol	Unwanted Emissions Within the RLAN Band	
	Margin (dB)	Frequency (MHz)
802.11ax HE20 RU106 LPI	7.09	5976.900
802.11ax HE20 RU26 LPI	18.68	7105.800
802.11ax HE20 RU52 LPI	7.22	6082.900

Table 521 - Unwanted Emissions Within the RLAN Band Summary Results - SISO RU LPI

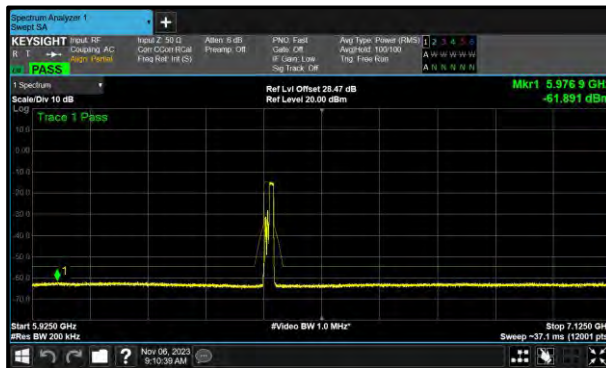


Figure 244 - A (Core 0) 802.11ax HE20 RU106 LPI 6415 MHz (CH93)



Figure 245 - A (Core 0) 802.11ax HE20 RU26 LPI 7095 MHz (CH229)

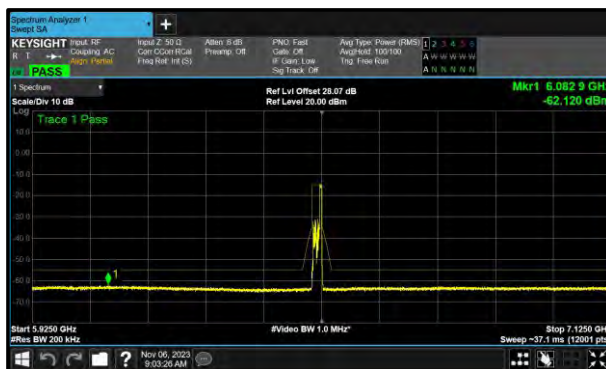


Figure 246 - B (Core 1) 802.11ax HE20 RU52 LPI 6515 MHz (CH113)



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:	802.11a 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	7.87	-	-	-
6175	8.49	-	-	-
6415	7.56	-	-	-
6435	-	8.33	-	-
6475	-	7.80	-	-
6515	-	7.61	-	-
6535	-	7.69	-	-
6695	-	7.93	-	-
6855	-	8.05	-	-
6875	-	8.01	-	-
6895	8.41	-	-	-
6995	8.68	-	-	-
7115	5.37	-	-	-

Table 522 - Unwanted Emissions Within the Band Results



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

DUT Configuration			
Mode:	802.11ax 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	15.33	-	-	-
6175	16.26	-	-	-
6415	16.27	-	-	-
6435	-	16.87	-	-
6475	-	17.27	-	-
6515	-	16.78	-	-
6535	-	16.83	-	-
6695	-	16.51	-	-
6855	-	16.91	-	-
6875	-	16.49	-	-
6895	17.89	-	-	-
6995	17.05	-	-	-
7115	15.01	-	-	-

Table 523 - Unwanted Emissions Within the Band Results



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

DUT Configuration			
Mode:	802.11ax 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	13.56	-	-	-
6165	12.76	-	-	-
6405	11.52	-	-	-
6445	-	12.85	-	-
6485	-	12.76	-	-
6525	-	12.38	-	-
6565	-	12.01	-	-
6685	-	12.43	-	-
6845	-	12.47	-	-
6885	-	13.89	-	-
6925	13.62	-	-	-
7005	13.04	-	-	-
7085	12.64	-	-	-

Table 524 - Unwanted Emissions Within the Band Results



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

DUT Configuration			
Mode:	802.11ax HE80 SU 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	9.37	-	-	-
6145	8.75	-	-	-
6385	8.66	-	-	-
6465	-	10.10	-	-
6545	-	8.99	-	-
6625	-	9.00	-	-
6705	-	9.41	-	-
6785	-	8.44	-	-
6865	-	9.14	-	-
6945	8.76	-	-	-
7025	9.86	-	-	-

Table 525 - Unwanted Emissions Within the Band Results



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

DUT Configuration			
Mode:	802.11ax 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	7.67	-	-	-
6185	7.32	-	-	-
6345	7.06	-	-	-
6505	-	7.14	-	-
6665	-	7.51	-	-
6825	-	9.32	-	-
6985	7.67	-	-	-

Table 526 - Unwanted Emissions Within the Band Results



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

DUT Configuration			
Mode:	802.11ax 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)	20.20	-	-	-
6175 (RU26.0)	20.08	-	-	-
6415 (RU26.8)	18.93	-	-	-
6435 (RU26.0)	-	19.21	-	-
6475 (RU26.0)	-	18.91	-	-
6515 (RU26.8)	-	19.08	-	-
6535 (RU26.0)	-	20.20	-	-
6695 (RU26.0)	-	20.37	-	-
6855 (RU26.8)	-	19.64	-	-
6875 (RU26.3)	-	20.79	-	-
6875 (RU26.5)	-	21.87	-	-
6895 (RU26.0)	20.79	-	-	-
6995 (RU26.0)	20.01	-	-	-
7095 (RU26.8)	18.68	-	-	-

Table 527 - Unwanted Emissions Within the Band Results



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

DUT Configuration			
Mode:	802.11ax 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)	7.53	-	-	-
6175 (RU52.37)	7.93	-	-	-
6415 (RU52.40)	7.24	-	-	-
6435 (RU52.37)	-	7.83	-	-
6475 (RU52.37)	-	7.53	-	-
6515 (RU52.40)	-	7.22	-	-
6535 (RU52.37)	-	7.40	-	-
6695 (RU52.37)	-	7.57	-	-
6855 (RU52.40)	-	7.57	-	-
6875 (RU52.38)	-	7.76	-	-
6875 (RU52.39)	-	7.45	-	-
6895 (RU52.37)	8.21	-	-	-
6995 (RU52.37)	7.84	-	-	-
7095 (RU52.40)	8.22	-	-	-

Table 528 - Unwanted Emissions Within the Band Results



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

DUT Configuration			
Mode:	802.11ax 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)	7.60	-	-	-
6175 (RU106.53)	8.48	-	-	-
6415 (RU106.54)	7.09	-	-	-
6435 (RU106.53)	-	7.85	-	-
6475 (RU106.53)	-	7.59	-	-
6515 (RU106.54)	-	7.49	-	-
6535 (RU106.53)	-	7.86	-	-
6695 (RU106.53)	-	7.68	-	-
6855 (RU106.54)	-	7.80	-	-
6875 (RU106.53)	-	7.82	-	-
6875 (RU106.54)	-	7.72	-	-
6895 (RU106.53)	8.65	-	-	-
6995 (RU106.53)	8.37	-	-	-
7095 (RU106.54)	8.29	-	-	-

Table 529 - Unwanted Emissions Within the Band Results

Protocol	Unwanted Emissions Within the RLAN Band	
	Margin (dB)	Frequency (MHz)
802.11a SP	7.34	6552.500
802.11ax HE20 SU SP	5.02	6438.800
802.11ax HE40 SU SP	2.62	6449.745
802.11ax HE80 SU SP	3.73	6482.000
802.11ax HE160 SU SP	6.18	6099.000

Table 530 - Unwanted Emissions Within the RLAN Band Summary Results-SISO SP

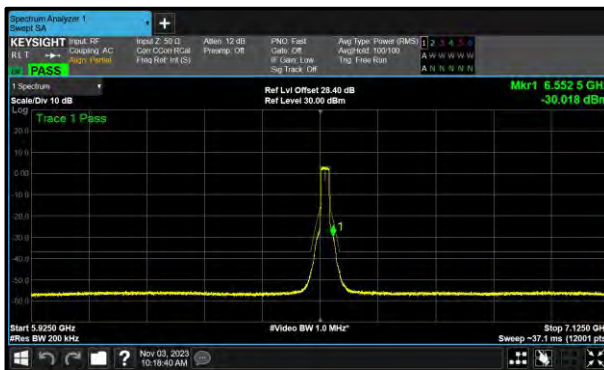


Figure 247 - B (Core 1) 802.11a SP 6535 MHz (CH117)

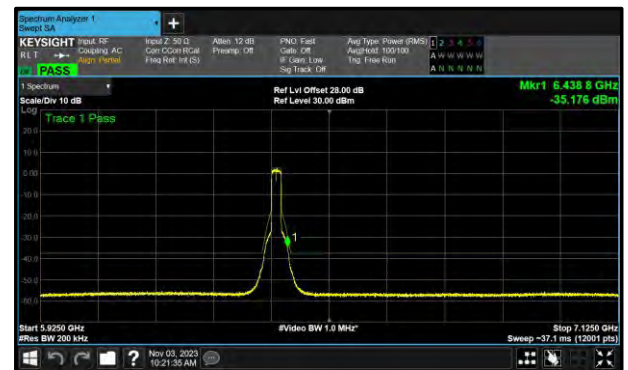


Figure 248 - A (Core 0) 802.11ax HE20 SU SP 6415 MHz (CH93)

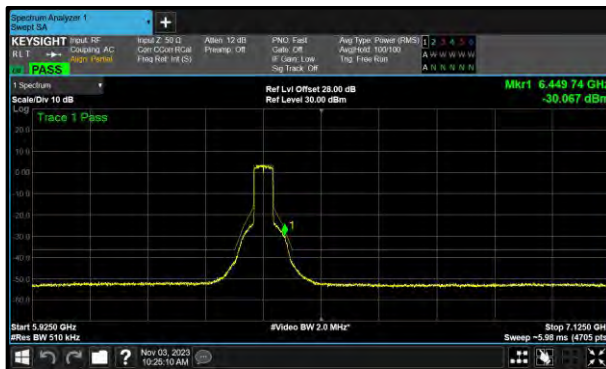


Figure 249 - A (Core 0) 802.11ax HE40 SU SP
6405 MHz (CH91)

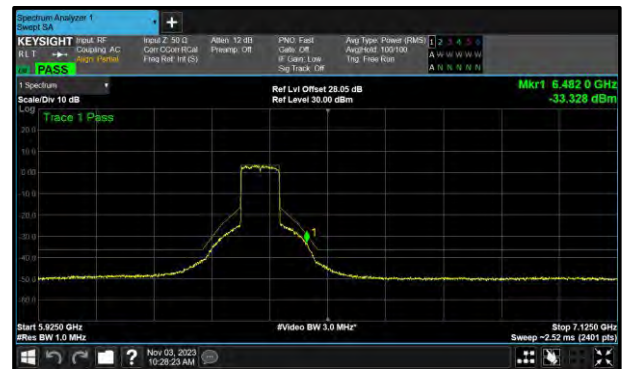


Figure 250 - A (Core 0) 802.11ax HE80 SU SP
6385 MHz (CH87)



Figure 251 - A (Core 0) 802.11ax HE160 SU SP
6345 MHz (CH79)

Protocol	Unwanted Emissions Within the RLAN Band	
	Margin (dB)	Frequency (MHz)
802.11ax HE20 RU106 SP	15.22	6426.000
802.11ax HE20 RU26 SP	18.76	5944.000
802.11ax HE20 RU52 SP	17.90	6524.100

Table 531 - Unwanted Emissions Within the RLAN Band Summary Results-SISO SP RU

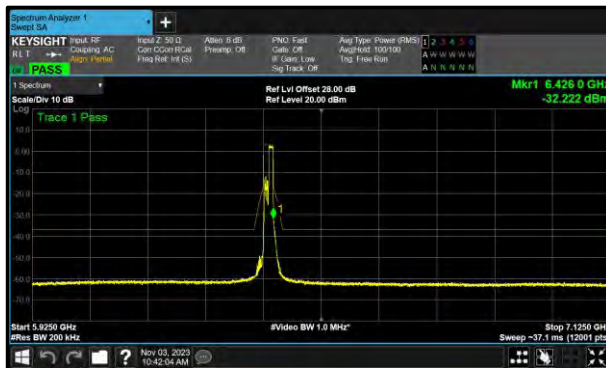


Figure 252 - A (Core 0) 802.11ax HE20 RU106 SP 6415 MHz (CH93)

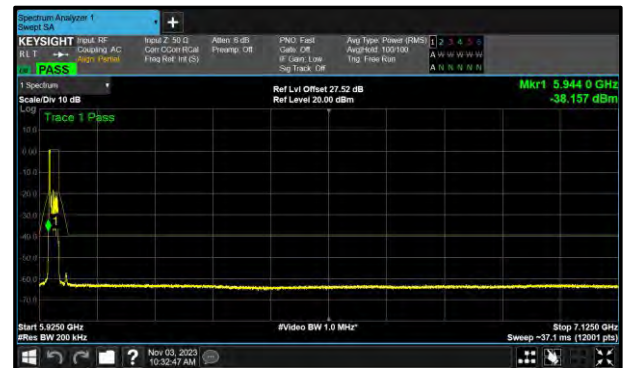


Figure 253 - A (Core 0) 802.11ax HE20 RU26 SP 5955 MHz (CH1)

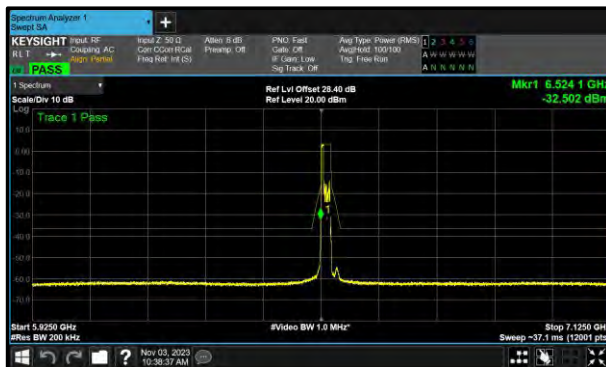


Figure 254 - B (Core 1) 802.11ax HE20 RU52 SP 6535 MHz (CH117)



Test Configuration			
Frequency Range:	5.925-7.125 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 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	10.51	-	-	-
6175	10.19	-	-	-
6415	7.45	-	-	-
6535	-	7.34	-	-
6695	-	8.17	-	-
6855	-	8.47	-	-

Table 532 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-7.125 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 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	9.43	-	-	-
6175	7.39	-	-	-
6415	5.02	-	-	-
6535	-	5.18	-	-
6695	-	6.09	-	-
6855	-	6.75	-	-

Table 533 - Unwanted Emissions Within the Band Results



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

<TableCaption render = "no">

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

<TableCaption render = "no">

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
5965	8.49	-	-	-
6165	6.45	-	-	-
6405	2.62	-	-	-
6565	-	4.78	-	-
6685	-	4.39	-	-
6845	-	5.12	-	-

Table 534 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-7.125 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 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	7.56	-	-	-
6145	4.53	-	-	-
6385	3.73	-	-	-
6625	-	3.85	-	-
6705	-	4.88	-	-
6785	-	5.57	-	-

Table 535 - Unwanted Emissions Within the Band Results



Test Configuration			
Frequency Range:	5.925-7.125 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 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	8.31	-	-	-
6185	6.61	-	-	-
6345	6.18	-	-	-
6665	-	7.27	-	-

Table 536 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-7.125 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 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)	18.76	-	-	-
6175 (RU26.0)	21.09	-	-	-
6415 (RU26.8)	19.61	-	-	-
6535 (RU26.0)	-	20.63	-	-
6695 (RU26.0)	-	20.69	-	-
6855 (RU26.8)	-	20.33	-	-

Table 537 - Unwanted Emissions Within the Band Results



Test Configuration			
Frequency Range:	5.925-7.125 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 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)	19.43	-	-	-
6175 (RU52.37)	19.50	-	-	-
6415 (RU52.40)	18.40	-	-	-
6535 (RU52.37)	-	17.90	-	-
6695 (RU52.37)	-	20.23	-	-
6855 (RU52.40)	-	19.42	-	-

Table 538 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-7.125 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 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)	17.93	-	-	-
6175 (RU106.53)	17.81	-	-	-
6415 (RU106.54)	15.22	-	-	-
6535 (RU106.53)	-	16.52	-	-
6695 (RU106.53)	-	16.02	-	-
6855 (RU106.54)	-	15.90	-	-

Table 539 - Unwanted Emissions Within the Band Results

MIMO CDD

Protocol	Unwanted Emissions Within the RLAN Band	
	Margin (dB)	Frequency (MHz)
802.11ax HE20 SU LPI	14.25	6248.700
802.11ax HE40 SU LPI	11.47	6458.163
802.11ax HE80 SU LPI	7.83	6826.000
802.11ax HE160 SU LPI	6.70	6106.000

Table 540 - Unwanted Emissions Within the RLAN Band Summary Results - MIMO CDD LPI

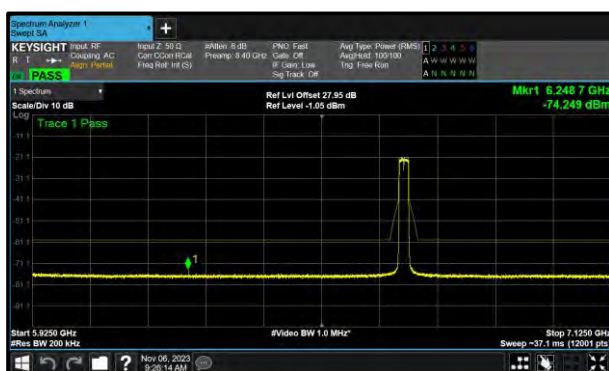


Figure 255 - B (Core 1) 802.11ax HE20 SU LPI
6695 MHz (CH149)



Figure 256 - B (Core 1) 802.11ax HE40 SU LPI
6525 MHz (CH115)



Figure 257 - B (Core 1) 802.11ax HE80 SU LPI
6785 MHz (CH167)



Figure 258 - A (Core 0) 802.11ax HE160 SU LPI
6025 MHz (CH15)

Protocol	Unwanted Emissions Within the RLAN Band	
	Margin (dB)	Frequency (MHz)
802.11ax HE20 RU106 LPI	16.26	6528.700
802.11ax HE20 RU52 LPI	16.18	6248.700

Table 541 - Unwanted Emissions Within the RLAN Band Summary Results - MIMO CDD RU LPI

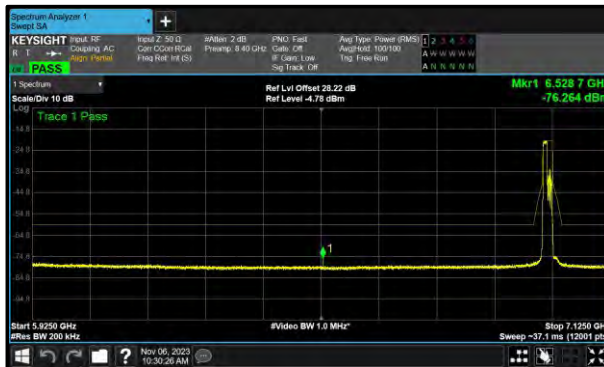


Figure 259 - B (Core 1) 802.11ax HE20 RU106 LPI 6995 MHz (CH209)



Figure 260 - B (Core 1) 802.11ax HE20 RU52 LPI 6695 MHz (CH149)



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 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	15.32	15.32	-	-
6175	15.08	15.57	-	-
6415	14.90	15.55	-	-
6435	14.79	15.25	-	-
6475	15.19	15.18	-	-
6515	15.22	15.47	-	-
6535	14.99	15.33	-	-
6695	14.93	14.25	-	-
6855	14.71	15.00	-	-
6875	14.77	15.14	-	-
6895	14.79	15.05	-	-
6995	14.74	14.79	-	-
7115	15.24	15.12	-	-

Table 542 - Unwanted Emissions Within the Band Results



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

DUT Configuration			
Mode:	802.11ax 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	13.25	12.90	-	-
6165	12.40	12.35	-	-
6405	11.48	11.78	-	-
6445	12.15	11.89	-	-
6485	11.91	13.00	-	-
6525	11.87	11.47	-	-
6565	12.11	12.16	-	-
6685	12.40	11.79	-	-
6845	13.64	12.28	-	-
6885	12.85	12.67	-	-
6925	13.38	13.35	-	-
7005	13.92	13.27	-	-
7085	13.16	12.21	-	-

Table 543 - Unwanted Emissions Within the Band Results



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

DUT Configuration			
Mode:	802.11ax HE80 SU 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	8.55	8.74	-	-
6145	8.98	9.77	-	-
6385	9.05	9.97	-	-
6465	9.64	9.68	-	-
6545	9.41	8.54	-	-
6625	9.94	9.19	-	-
6705	8.86	9.76	-	-
6785	8.89	7.83	-	-
6865	10.06	9.24	-	-
6945	8.20	8.40	-	-
7025	9.58	8.72	-	-

Table 544 - Unwanted Emissions Within the Band Results



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

DUT Configuration			
Mode:	802.11ax 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	6.70	7.50	-	-
6185	7.28	9.70	-	-
6345	6.88	8.42	-	-
6505	7.19	8.74	-	-
6665	7.01	7.34	-	-
6825	8.13	10.09	-	-
6985	8.50	9.49	-	-

Table 545 - Unwanted Emissions Within the Band Results



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

DUT Configuration			
Mode:	802.11ax 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)	18.35	18.50	-	-
6175 (RU52.37)	18.17	18.33	-	-
6415 (RU52.40)	17.29	18.09	-	-
6435 (RU52.37)	17.43	18.14	-	-
6475 (RU52.37)	17.73	18.05	-	-
6515 (RU52.40)	17.75	17.59	-	-
6535 (RU52.37)	17.84	18.06	-	-
6695 (RU52.37)	17.63	16.18	-	-
6855 (RU52.40)	17.60	17.21	-	-
6875 (RU52.38)	17.34	17.17	-	-
6875 (RU52.39)	17.53	16.89	-	-
6895 (RU52.37)	17.47	17.14	-	-
6995 (RU52.37)	17.55	16.39	-	-
7095 (RU52.40)	17.31	17.33	-	-

Table 546 - Unwanted Emissions Within the Band Results



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

DUT Configuration			
Mode:	802.11ax 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

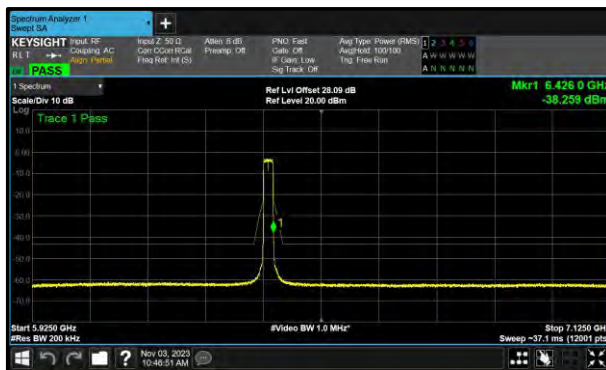
Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
5955 (RU106.53)	17.94	17.87	-	-
6175 (RU106.53)	17.93	18.44	-	-
6415 (RU106.54)	16.83	17.81	-	-
6435 (RU106.53)	17.52	17.93	-	-
6475 (RU106.53)	17.47	17.29	-	-
6515 (RU106.54)	17.47	18.04	-	-
6535 (RU106.53)	17.58	17.86	-	-
6695 (RU106.53)	17.53	16.50	-	-
6855 (RU106.54)	17.38	16.92	-	-
6875 (RU106.53)	16.37	16.51	-	-
6875 (RU106.54)	17.17	16.62	-	-
6895 (RU106.53)	17.29	16.52	-	-
6995 (RU106.53)	17.62	16.26	-	-
7095 (RU106.54)	17.63	16.76	-	-

Table 547 - Unwanted Emissions Within the Band Results

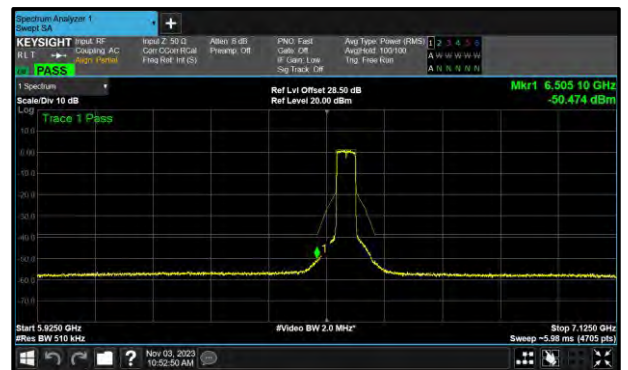


Protocol	Unwanted Emissions Within the RLAN Band	
	Margin (dB)	Frequency (MHz)
802.11ax HE20 SU SP	15.16	6426.000
802.11ax HE40 SU SP	11.74	6505.102
802.11ax HE80 SU SP	3.97	6471.500
802.11ax HE160 SU SP	5.89	5946.500

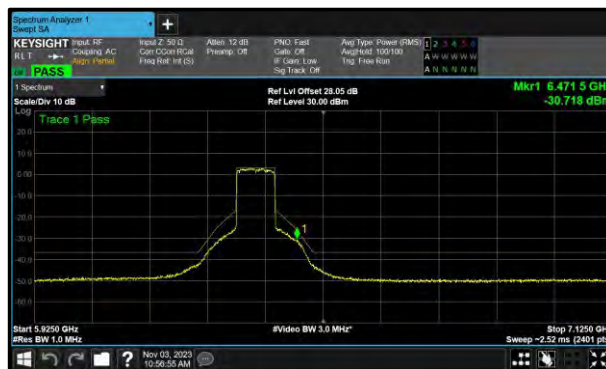
Table 548 - Unwanted Emissions Within the RLAN Band Summary Results - MIMO CDD SP



**Figure 261 - B (Core 1) 802.11ax HE20 SU SP
6415 MHz (CH93)**



**Figure 262 - A (Core 0) 802.11ax HE40 SU SP
6565 MHz (CH123)**



**Figure 263 - A (Core 0) 802.11ax HE80 SU SP
6385 MHz (CH87)**



**Figure 264 - 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	17.26	6425.700
802.11ax HE20 RU26 SP	10.83	6220.500
802.11ax HE20 RU52 SP	13.69	6969.200

Table 549 - Unwanted Emissions Within the RLAN Band Summary Results - MIMO CDD RU SP



**Figure 265 - A (Core 0) 802.11ax HE20 RU106 SP
6415 MHz (CH93)**



**Figure 266 - B (Core 1) 802.11ax HE20 RU26 SP
6415 MHz (CH93)**



**Figure 267 - A (Core 0) 802.11ax HE20 RU52 SP
6535 MHz (CH117)**



Test Configuration			
Frequency Range:	5.925-7.125 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 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	16.87	16.39	-	-
6175	17.22	16.90	-	-
6415	16.95	15.16	-	-
6535	16.75	16.37	-	-
6695	16.08	16.32	-	-
6855	15.87	16.39	-	-

Table 550 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-7.125 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 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	13.74	16.22	-	-
6165	13.54	12.72	-	-
6405	12.47	13.66	-	-
6565	11.74	12.03	-	-
6685	13.00	12.61	-	-
6845	13.91	12.16	-	-

Table 551 - Unwanted Emissions Within the Band Results



Test Configuration			
Frequency Range:	5.925-7.125 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 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	9.48	10.06	-	-
6145	4.89	4.57	-	-
6385	3.97	4.07	-	-
6625	5.08	5.47	-	-
6705	6.45	6.67	-	-
6785	5.61	4.28	-	-

Table 552 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-7.125 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 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	9.20	9.27	-	-
6185	7.12	5.89	-	-
6345	6.56	6.14	-	-
6665	7.31	8.38	-	-

Table 553 - Unwanted Emissions Within the Band Results



Test Configuration			
Frequency Range:	5.925-7.125 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 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)	11.33	11.93	-	-
6175 (RU26.0)	12.88	13.30	-	-
6415 (RU26.8)	11.23	10.83	-	-
6535 (RU26.0)	12.24	12.63	-	-
6695 (RU26.0)	12.66	12.34	-	-
6855 (RU26.8)	12.26	12.14	-	-

Table 554 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-7.125 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 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)	16.74	17.41	-	-
6175 (RU52.37)	17.00	17.89	-	-
6415 (RU52.40)	17.90	16.87	-	-
6535 (RU52.37)	13.69	14.43	-	-
6695 (RU52.37)	18.84	19.31	-	-
6855 (RU52.40)	17.58	17.18	-	-

Table 555 - Unwanted Emissions Within the Band Results



Test Configuration			
Frequency Range:	5.925-7.125 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 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)	17.65	18.53	-	-
6175 (RU106.53)	18.56	18.30	-	-
6415 (RU106.54)	17.26	17.64	-	-
6535 (RU106.53)	18.40	18.04	-	-
6695 (RU106.53)	18.46	18.85	-	-
6855 (RU106.54)	17.49	18.93	-	-

Table 556 - Unwanted Emissions Within the Band Results

MIMO SDM

Protocol	Unwanted Emissions Within the RLAN Band	
	Margin (dB)	Frequency (MHz)
802.11ax HE20 SU LPI	15.04	7106.000
802.11ax HE40 SU LPI	11.16	5957.398
802.11ax HE80 SU LPI	7.79	6826.000
802.11ax HE160 SU LPI	6.36	7066.000

Table 557 - Unwanted Emissions Within the RLAN Band Summary Results - MIMO SDM LPI



Figure 268 - A (Core 0) 802.11ax HE20 SU LPI
7095 MHz (CH229)

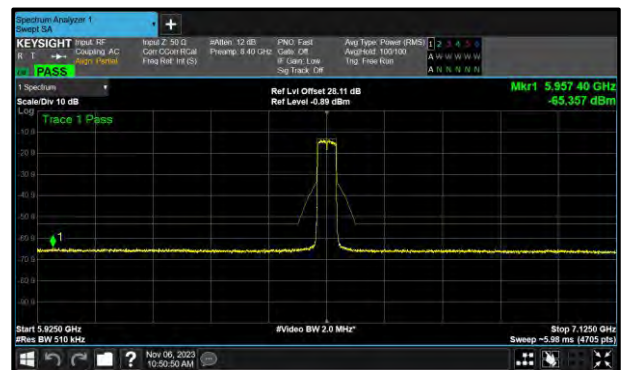


Figure 269 - A (Core 0) 802.11ax HE40 SU LPI
6525 MHz (CH115)



Figure 270 - B (Core 1) 802.11ax HE80 SU LPI
6785 MHz (CH167)



Figure 271 - A (Core 0) 802.11ax HE160 SU LPI
6985 MHz (CH207)

Protocol	Unwanted Emissions Within the RLAN Band	
	Margin (dB)	Frequency (MHz)
802.11ax HE20 RU106 LPI	3.69	6126.200
802.11ax HE20 RU26 LPI	17.73	6426.000
802.11ax HE20 RU52 LPI	16.98	6425.900

Table 558 - Unwanted Emissions Within the RLAN Band Summary Results - MIMO SDM RU LPI



Figure 272 - B (Core 1) 802.11ax HE20 RU106 LPI 6475 MHz (CH105)

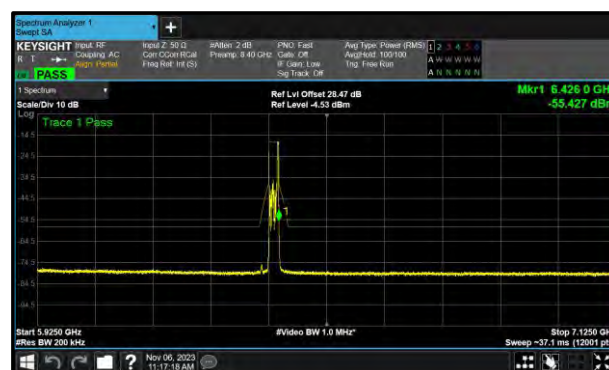


Figure 273 - A (Core 0) 802.11ax HE20 RU26 LPI 6415 MHz (CH93)

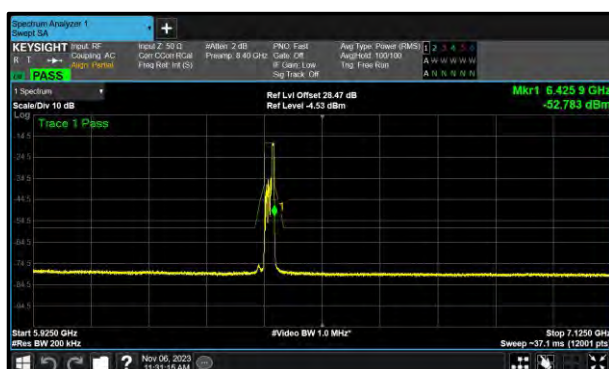


Figure 274 - A (Core 0) 802.11ax HE20 RU52 LPI 6415 MHz (CH93)



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 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	15.73	16.58	-	-
6175	15.66	17.13	-	-
6415	15.97	16.12	-	-
6435	15.15	16.18	-	-
6475	15.39	15.65	-	-
6515	16.12	16.34	-	-
6535	15.97	16.40	-	-
6695	16.22	16.19	-	-
6855	16.19	16.29	-	-
6875	16.34	16.36	-	-
6895	16.08	16.10	-	-
6995	15.75	16.23	-	-
7095	15.04	15.66	-	-

Table 559 - Unwanted Emissions Within the Band Results



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

DUT Configuration			
Mode:	802.11ax 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	12.68	12.15	-	-
6165	11.87	13.80	-	-
6405	12.43	12.39	-	-
6445	12.61	12.91	-	-
6485	12.68	12.33	-	-
6525	11.16	12.64	-	-
6565	11.96	11.46	-	-
6685	12.90	12.22	-	-
6845	12.68	13.22	-	-
6885	12.77	13.11	-	-
6925	13.00	13.61	-	-
7005	13.10	12.15	-	-
7085	13.01	13.34	-	-

Table 560 - Unwanted Emissions Within the Band Results



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

DUT Configuration			
Mode:	802.11ax HE80 SU 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	9.05	9.63	-	-
6145	9.16	8.58	-	-
6385	9.31	9.81	-	-
6465	8.74	9.16	-	-
6545	9.45	9.51	-	-
6625	8.62	9.62	-	-
6705	9.42	9.46	-	-
6785	8.88	7.79	-	-
6865	9.01	8.99	-	-
6945	9.23	8.56	-	-
7025	9.97	9.65	-	-

Table 561 - Unwanted Emissions Within the Band Results



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

DUT Configuration			
Mode:	802.11ax 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	7.91	8.45	-	-
6185	6.80	9.54	-	-
6345	8.66	7.51	-	-
6505	6.95	8.28	-	-
6665	7.17	7.21	-	-
6825	7.80	8.05	-	-
6985	6.36	7.44	-	-

Table 562 - Unwanted Emissions Within the Band Results



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

DUT Configuration			
Mode:	802.11ax 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)	19.27	18.88	-	-
6175 (RU26.0)	20.35	20.88	-	-
6415 (RU26.8)	17.73	18.84	-	-
6435 (RU26.0)	19.71	19.48	-	-
6475 (RU26.0)	19.40	19.77	-	-
6515 (RU26.8)	19.35	18.74	-	-
6535 (RU26.0)	19.92	20.16	-	-
6695 (RU26.0)	19.61	17.90	-	-
6855 (RU26.8)	19.00	18.54	-	-
6875 (RU26.3)	19.82	19.05	-	-
6875 (RU26.5)	19.89	19.49	-	-
6895 (RU26.0)	19.94	19.46	-	-
6995 (RU26.0)	20.23	19.23	-	-
7095 (RU26.8)	19.10	18.70	-	-

Table 563 - Unwanted Emissions Within the Band Results



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

DUT Configuration			
Mode:	802.11ax 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)	19.02	19.77	-	-
6175 (RU52.37)	20.21	20.08	-	-
6415 (RU52.40)	16.98	17.77	-	-
6435 (RU52.37)	19.37	19.57	-	-
6475 (RU52.37)	19.77	19.59	-	-
6515 (RU52.40)	17.67	17.76	-	-
6535 (RU52.37)	19.08	18.85	-	-
6695 (RU52.37)	19.63	18.50	-	-
6855 (RU52.40)	17.67	18.80	-	-
6875 (RU52.38)	19.85	19.04	-	-
6875 (RU52.39)	20.15	19.16	-	-
6895 (RU52.37)	19.12	19.27	-	-
6995 (RU52.37)	19.90	18.89	-	-
7095 (RU52.40)	18.55	17.39	-	-

Table 564 - Unwanted Emissions Within the Band Results



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

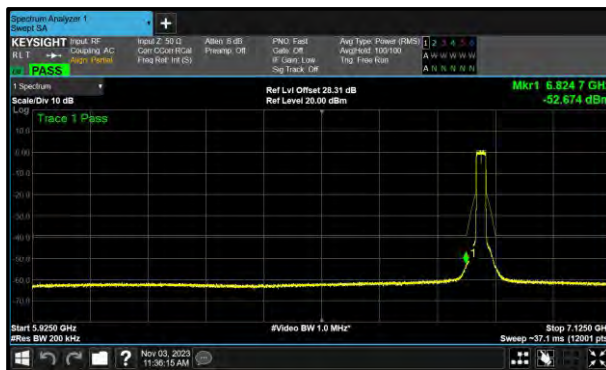
DUT Configuration			
Mode:	802.11ax HE20 RU106 LPI	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	-
Antenna Configuration:	MIMO SDM	Peak Antenna Gain (dBi):	-
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain Id(s):	0+1

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
5955 (RU106.53)	4.38	5.32	-	-
6175 (RU106.53)	5.39	6.02	-	-
6415 (RU106.54)	4.35	4.31	-	-
6435 (RU106.53)	4.21	3.99	-	-
6475 (RU106.53)	4.46	3.69	-	-
6515 (RU106.54)	4.86	3.92	-	-
6535 (RU106.53)	4.50	4.42	-	-
6695 (RU106.53)	4.58	4.23	-	-
6855 (RU106.54)	4.97	4.49	-	-
6875 (RU106.53)	5.00	5.20	-	-
6875 (RU106.54)	4.69	4.89	-	-
6895 (RU106.53)	5.76	5.82	-	-
6995 (RU106.53)	4.91	4.85	-	-
7095 (RU106.54)	5.37	4.78	-	-

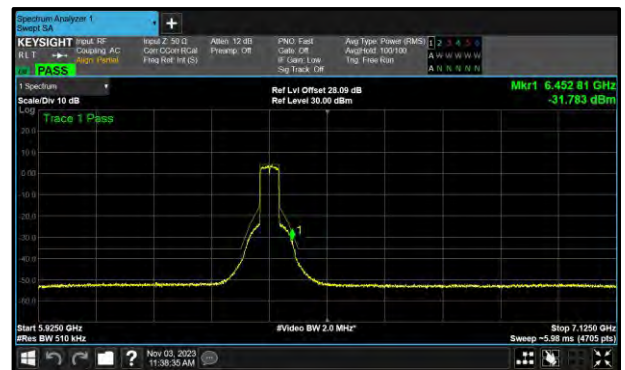
Table 565 - Unwanted Emissions Within the Band Results

Protocol	Unwanted Emissions Within the RLAN Band	
	Margin (dB)	Frequency (MHz)
802.11ax HE20 SU SP	13.57	6824.700
802.11ax HE40 SU SP	3.40	6452.806
802.11ax HE80 SU SP	2.61	6718.000
802.11ax HE160 SU SP	5.62	6092.500

Table 566 - Unwanted Emissions Within the RLAN Band Summary Results - MIMO SDM SP



**Figure 275 - B (Core 1) 802.11ax HE20 SU SP
6855 MHz (CH181)**



**Figure 276 - B (Core 1) 802.11ax HE40 SU SP
6405 MHz (CH91)**



**Figure 277 - A (Core 0) 802.11ax HE80 SU SP
6625 MHz (CH135)**



**Figure 278 - 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	16.45	6426.000
802.11ax HE20 RU26 SP	17.47	6426.000
802.11ax HE20 RU52 SP	16.93	6866.000

Table 567 - Unwanted Emissions Within the RLAN Band Summary Results - MIMO SDM RU SP

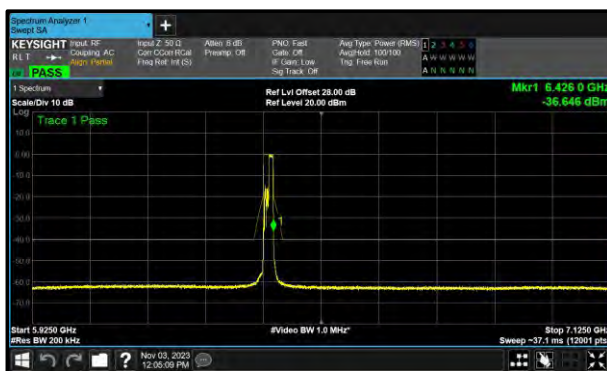


Figure 279 - A (Core 0) 802.11ax HE20 RU106 SP 6415 MHz (CH93)



Figure 280 - B (Core 1) 802.11ax HE20 RU26 SP 6415 MHz (CH93)

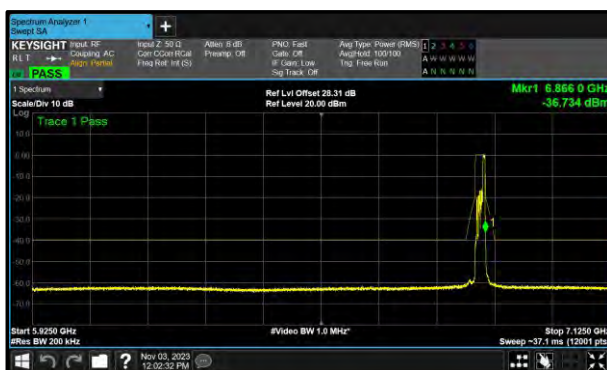


Figure 281 - B (Core 1) 802.11ax HE20 RU52 SP 6855 MHz (CH181)



Test Configuration			
Frequency Range:	5.925-7.125 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 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	15.96	16.50	-	-
6175	16.38	14.76	-	-
6415	15.22	14.53	-	-
6535	14.26	13.86	-	-
6695	14.90	13.58	-	-
6855	15.46	13.57	-	-

Table 568 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-7.125 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 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	13.67	14.27	-	-
6165	6.34	5.07	-	-
6405	3.74	3.40	-	-
6565	4.04	4.68	-	-
6685	5.68	4.66	-	-
6845	6.76	4.84	-	-

Table 569 - Unwanted Emissions Within the Band Results



Test Configuration			
Frequency Range:	5.925-7.125 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 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	9.34	8.54	-	-
6145	5.38	4.63	-	-
6385	3.27	3.14	-	-
6625	2.61	3.36	-	-
6705	4.29	3.63	-	-
6785	5.60	3.81	-	-

Table 570 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-7.125 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 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	8.10	9.07	-	-
6185	7.17	6.68	-	-
6345	6.05	5.62	-	-
6665	6.09	7.28	-	-

Table 571 - Unwanted Emissions Within the Band Results



Test Configuration			
Frequency Range:	5.925-7.125 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 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)	18.52	18.91	-	-
6175 (RU26.0)	20.01	20.48	-	-
6415 (RU26.8)	18.79	17.47	-	-
6535 (RU26.0)	20.06	20.41	-	-
6695 (RU26.0)	20.25	19.86	-	-
6855 (RU26.8)	18.47	18.88	-	-

Table 572 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-7.125 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 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)	19.56	20.10	-	-
6175 (RU52.37)	19.66	20.63	-	-
6415 (RU52.40)	17.41	19.74	-	-
6535 (RU52.37)	19.61	20.41	-	-
6695 (RU52.37)	19.48	20.33	-	-
6855 (RU52.40)	17.62	16.93	-	-

Table 573 - Unwanted Emissions Within the Band Results



Test Configuration			
Frequency Range:	5.925-7.125 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 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

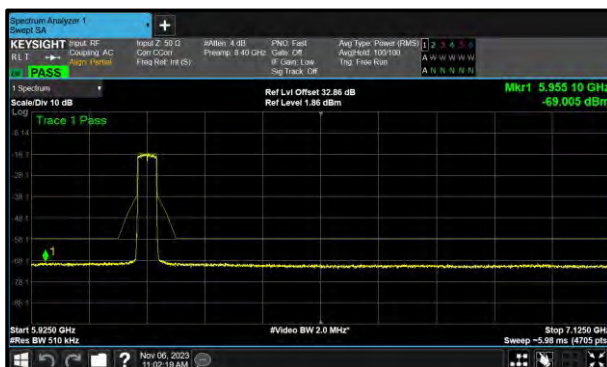
Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
5955 (RU106.53)	18.78	18.53	-	-
6175 (RU106.53)	18.09	19.04	-	-
6415 (RU106.54)	16.45	17.03	-	-
6535 (RU106.53)	19.66	18.81	-	-
6695 (RU106.53)	19.50	18.76	-	-
6855 (RU106.54)	17.83	17.64	-	-

Table 574 - Unwanted Emissions Within the Band Results

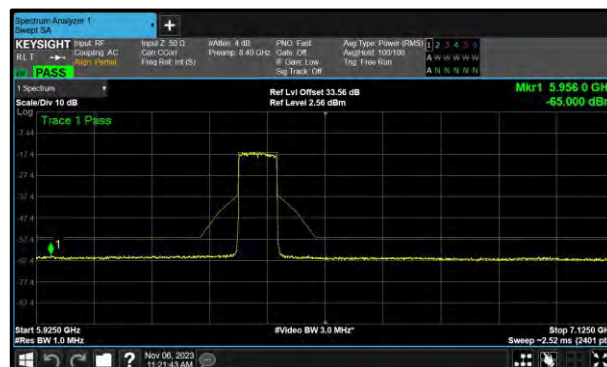
TxBF

Protocol	Unwanted Emissions Within the RLAN Band	
	Margin (dB)	Frequency (MHz)
802.11ax HE40 SU LPI	11.21	5955.102
802.11ax HE80 SU LPI	8.40	5956.000

Table 575 - Unwanted Emissions Within the RLAN Band Summary Results



**Figure 282 - A (Core 0) 802.11ax HE40 SU LPI
6165 MHz (CH43)**



**Figure 283 - A (Core 0) 802.11ax HE80 SU LPI
6385 MHz (CH87)**



Test Configuration			
Frequency Range:	5.925-7.125 GHz	Band:	U-NII-5, 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:	TxBF	Peak Antenna Gain (dBi):	-
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain Id(s):	0+1

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
6125	11.22	12.36	-	-
6165	11.21	12.06	-	-
6245	11.22	12.32	-	-
6925	11.97	11.80	-	-
7005	11.48	11.65	-	-
7085	11.35	11.77	-	-

Table 576 - Unwanted Emissions Within the Band Results



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

DUT Configuration			
Mode:	802.11ax HE80 SU 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	9.70	10.33	-	-
6145	10.14	9.48	-	-
6385	8.40	10.57	-	-
6465	9.74	8.53	-	-
6545	8.86	9.48	-	-
6625	8.93	8.85	-	-
6705	10.29	10.17	-	-
6785	9.76	9.65	-	-
6865	9.77	9.88	-	-
6945	9.05	9.60	-	-
7025	10.74	9.53	-	-

Table 577 - Unwanted Emissions Within the Band Results

Protocol	Unwanted Emissions Within the RLAN Band	
	Margin (dB)	Frequency (MHz)
802.11ax HE20 SU SP	14.79	6142.200
802.11ax HE40 SU SP	9.82	6344.643
802.11ax HE80 SU SP	7.93	6186.000

Table 578 - Unwanted Emissions Within the RLAN Band Summary Results

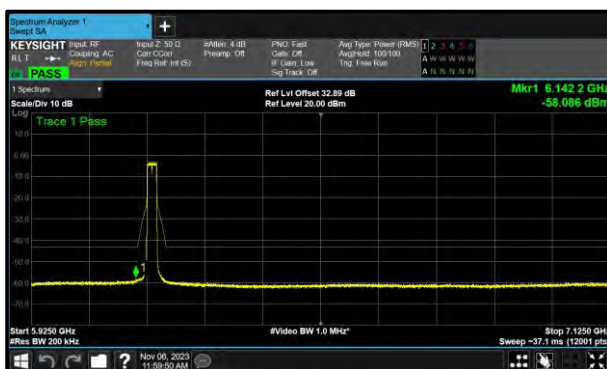


Figure 284 - A (Core 0) 802.11ax HE20 SU SP
6175 MHz (CH45)

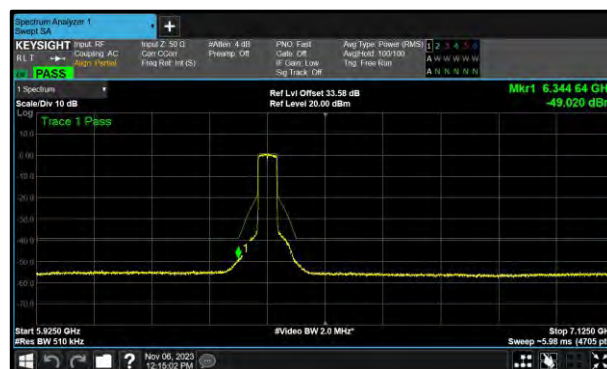


Figure 285 - A (Core 0) 802.11ax HE40 SU SP
6405 MHz (CH91)



Figure 286 - A (Core 0) 802.11ax HE80 SU SP
6145 MHz (CH39)



Test Configuration			
Frequency Range:	5.925-7.125 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 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	15.12	15.43	-	-
6175	14.79	15.50	-	-
6415	15.64	15.76	-	-
6535	15.40	15.24	-	-
6695	15.61	15.31	-	-
6855	15.33	15.10	-	-

Table 579 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-7.125 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 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	14.79	14.11	-	-
6165	12.56	13.61	-	-
6405	9.82	13.23	-	-
6565	10.82	13.34	-	-
6685	13.44	13.77	-	-
6845	12.78	13.67	-	-

Table 580 - Unwanted Emissions Within the Band Results



Test Configuration			
Frequency Range:	5.925-7.125 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 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	10.45	9.70	-	-
6145	7.93	9.27	-	-
6385	8.36	9.09	-	-
6625	9.44	9.02	-	-
6705	9.04	9.94	-	-
6785	9.71	9.34	-	-

Table 581 - 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.

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
Power splitter - 2 port	Mini-Circuits	ZN2PD-63-S+	4743	12	30-Nov-2023
Digital Caliper	Mitutoyo	CD-15APX	5055	12	16-Mar-2024
Cable (18 GHz)	Rosenberger	LU7-071-1000	5100	12	24-Oct-2024
Attenuator 5W 30dB DC-18GHz	Aaren	AT40A-4041-D18-30	5505	12	21-Feb-2024
Data Logger	Pico Technology Ltd	PicoLog 1012	5525	12	08-Dec-2023
MXA Signal Analyser	Keysight Technologies	N9020B	5529	24	13-Dec-2024
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
Humidity & Temperature meter	R.S Components	1364	6149	12	07-Jul-2024
Coaxial Fixed Attenuator DC-18GHz 5W 10dB	RF-Lambda	RFS5G18B10SMP	6176	12	19-Jul-2024
Humidity and Temperature Meter	R.S Components	1364	6346	12	28-Feb-2024
MXA Signal Analyser	Keysight Technologies	N9020B	6417	24	26-Feb-2025
Signal Conditioning Unit	TUV SUD	SPECTRUM_SCU001	6426	12	09-Apr-2024
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	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	6529	12	09-Aug-2024
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6530	12	26-May-2024

Table 582

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

A3113, S/N: QVVKQ44WGR - Modification State 0

2.7.3 Date of Test

18-October-2023 to 20-October-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

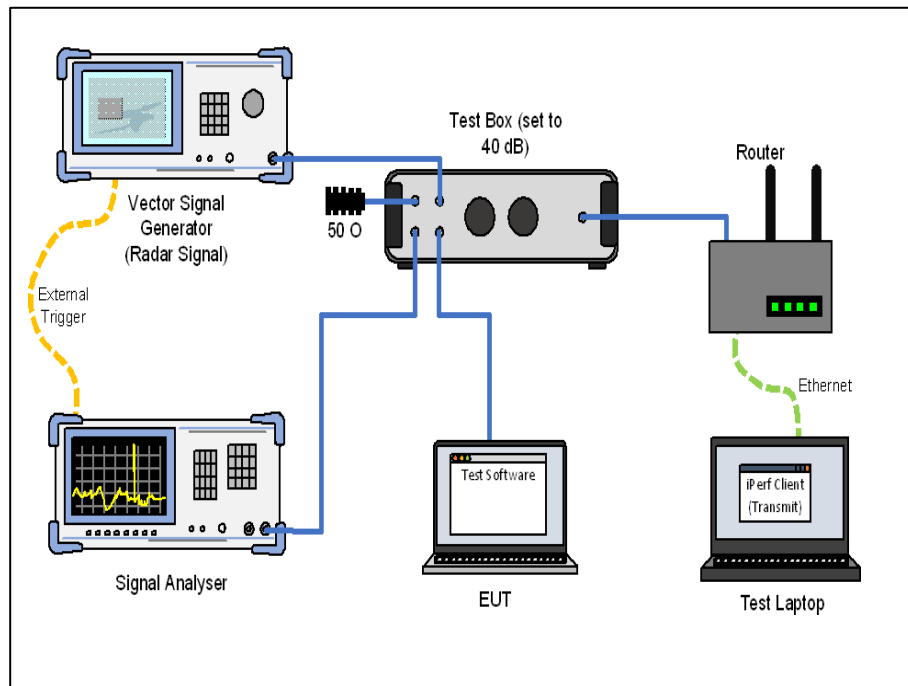


Figure 287 - Test Equipment Setup Diagram

2.7.6 Environmental Conditions

Ambient Temperature	23.9 - 25.1 °C
Relative Humidity	37.5 - 45.7 %



2.7.7 Test Results

6 GHz WLAN



Figure 288 - 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)	-67.17	-66.75	-66.30
Antenna Gain (dBi)	3.23	3.23	3.23
Adjusted Power (dBm)	-70.40	-69.98	-69.53
Detection Limit (dBm)	-62.0	-62.0	-62.0
EUT Tx Status (OFF/Minimal/ON)	ON	Minimal	OFF

Table 583 - U-NII-5, Minimum Bandwidth



Figure 289 - U-NII-5, Minimum Bandwidth

Parameter	Results		
U-NII Band	5	5	5
Channel Number	47	47	47
Bandwidth (MHz)	160	160	160
DUT Centre Frequency (MHz)	6185	6185	6185
AWGN Centre Frequency (MHz)	6110	6110	6110
AWGN Signal Power (dBm)	-66.00	-61.14	-61.11
Antenna Gain (dBi)	3.23	3.23	3.23
Adjusted Power (dBm)	-69.23	-64.37	-64.34
Detection Limit (dBm)	-62.0	-62.0	-62.0
EUT Tx Status (OFF/Minimal/ON)	ON	Minimal	OFF

Table 584 - U-NII-5, Maximum Bandwidth (AWGN Low)



Figure 290 - U-NII-5, Minimum Bandwidth (AWGN Low)

Parameter	Results		
U-NII Band	5	5	5
Channel Number	47	47	47
Bandwidth (MHz)	160	160	160
DUT Centre Frequency (MHz)	6185	6185	6185
AWGN Centre Frequency (MHz)	6185	6185	6185
AWGN Signal Power (dBm)	-65.72	-64.61	-63.43
Antenna Gain (dBi)	3.23	3.23	3.23
Adjusted Power (dBm)	-68.95	-67.84	-66.66
Detection Limit (dBm)	-62.0	-62.0	-62.0
EUT Tx Status (OFF/Minimal/ON)	ON	Minimal	OFF

Table 585 - U-NII-5, Maximum Bandwidth (AWGN Mid)



Figure 291 - U-NII-5, Minimum Bandwidth (AWGN Mid)



Parameter	Results		
U-NII Band	5	5	5
Channel Number	47	47	47
Bandwidth (MHz)	160	160	160
DUT Centre Frequency (MHz)	6185	6185	6185
AWGN Centre Frequency (MHz)	6260	6260	6260
AWGN Signal Power (dBm)	-64.74	-63.41	-61.10
Antenna Gain (dBi)	3.23	3.23	3.23
Adjusted Power (dBm)	-67.97	-66.64	-64.33
Detection Limit (dBm)	-62.0	-62.0	-62.0
EUT Tx Status (OFF/Minimal/ON)	ON	Minimal	OFF

Table 586 - U-NII-5, Maximum Bandwidth (AWGN High)



Figure 292 - U-NII-5, Minimum Bandwidth (AWGN High)

Parameter	Results		
U-NII Band	6	6	6
Channel Number	101	101	101
Bandwidth (MHz)	20	20	20
DUT Centre Frequency (MHz)	6455	6455	6455
AWGN Centre Frequency (MHz)	6455	6455	6455
AWGN Signal Power (dBm)	-68.21	-65.39	-65.29
Antenna Gain (dBi)	4.49	4.49	4.49
Adjusted Power (dBm)	-72.70	-69.88	-69.78
Detection Limit (dBm)	-62.0	-62.0	-62.0
EUT Tx Status (OFF/Minimal/ON)	ON	Minimal	OFF

Table 587 - U-NII-6, Minimum Bandwidth



Figure 293 - U-NII-6, Minimum Bandwidth

Parameter	Results		
U-NII Band	6	6	6
Channel Number	111	111	111
Bandwidth (MHz)	160	160	160
DUT Centre Frequency (MHz)	6505	6505	6505
AWGN Centre Frequency (MHz)	6430	6430	6430
AWGN Signal Power (dBm)	-62.40	-60.70	-59.62
Antenna Gain (dBi)	4.49	4.49	4.49
Adjusted Power (dBm)	-66.89	-65.19	-64.11
Detection Limit (dBm)	-62.0	-62.0	-62.0
EUT Tx Status (OFF/Minimal/ON)	ON	Minimal	OFF

Table 588 - U-NII-6, Maximum Bandwidth (AWGN Low)



Figure 294 - U-NII-6, Minimum Bandwidth (AWGN Low)

Parameter	Results		
U-NII Band	6	6	6
Channel Number	111	111	111
Bandwidth (MHz)	160	160	160
DUT Centre Frequency (MHz)	6505	6505	6505
AWGN Centre Frequency (MHz)	6505	6505	6505
AWGN Signal Power (dBm)	-65.05	-63.38	-61.73
Antenna Gain (dBi)	4.49	4.49	4.49
Adjusted Power (dBm)	-69.54	-67.87	-66.22
Detection Limit (dBm)	-62.0	-62.0	-62.0
EUT Tx Status (OFF/Minimal/ON)	ON	Minimal	OFF

Table 589 - U-NII-6, Maximum Bandwidth (AWGN Mid)



Figure 295 - U-NII-6, Minimum Bandwidth (AWGN Mid)

Parameter	Results		
U-NII Band	6	6	6
Channel Number	111	111	111
Bandwidth (MHz)	160	160	160
DUT Centre Frequency (MHz)	6505	6505	6505
AWGN Centre Frequency (MHz)	6580	6580	6580
AWGN Signal Power (dBm)	-62.05	-61.57	-58.85
Antenna Gain (dBi)	4.49	4.49	4.49
Adjusted Power (dBm)	-66.54	-66.06	-63.34
Detection Limit (dBm)	-62.0	-62.0	-62.0
EUT Tx Status (OFF/Minimal/ON)	ON	Minimal	OFF

Table 590 - U-NII-6, Maximum Bandwidth (AWGN High)



Figure 296 - U-NII-6, Minimum Bandwidth (AWGN High)

Parameter	Results		
U-NII Band	7	7	7
Channel Number	133	133	133
Bandwidth (MHz)	20	20	20
DUT Centre Frequency (MHz)	6615	6615	6615
AWGN Centre Frequency (MHz)	6615	6615	6615
AWGN Signal Power (dBm)	-68.25	-65.94	-65.3
Antenna Gain (dBi)	3.87	3.87	3.87
Adjusted Power (dBm)	-72.12	-69.81	-69.20
Detection Limit (dBm)	-62.0	-62.0	-62.0
EUT Tx Status (OFF/Minimal/ON)	ON	Minimal	OFF

Table 591 - U-NII-7, Minimum Bandwidth



Figure 297 - U-NII-7, Minimum Bandwidth

Parameter	Results		
U-NII Band	7	7	7
Channel Number	143	143	143
Bandwidth (MHz)	160	160	160
DUT Centre Frequency (MHz)	6665	6665	6665
AWGN Centre Frequency (MHz)	6590	6590	6590
AWGN Signal Power (dBm)	-62.31	-61.78	-59.47
Antenna Gain (dBi)	3.87	3.87	3.87
Adjusted Power (dBm)	-66.18	-65.65	-63.34
Detection Limit (dBm)	-62.0	-62.0	-62.0
EUT Tx Status (OFF/Minimal/ON)	ON	Minimal	OFF

Table 592 - U-NII-7, Maximum Bandwidth (AWGN Low)



Figure 298 - U-NII-7, Minimum Bandwidth (AWGN Low)



Parameter	Results		
U-NII Band	7	7	7
Channel Number	143	143	143
Bandwidth (MHz)	160	160	160
DUT Centre Frequency (MHz)	6665	6665	6665
AWGN Centre Frequency (MHz)	6665	6665	6665
AWGN Signal Power (dBm)	-64.51	-62.92	-61.53
Antenna Gain (dBi)	3.87	3.87	3.87
Adjusted Power (dBm)	-68.38	-66.79	-65.40
Detection Limit (dBm)	-62.0	-62.0	-62.0
EUT Tx Status (OFF/Minimal/ON)	ON	Minimal	OFF

Table 593 - U-NII-7, Maximum Bandwidth (AWGN Mid)



Figure 299 - U-NII-7, Minimum Bandwidth (AWGN Mid)



Parameter	Results		
U-NII Band	7	7	7
Channel Number	143	143	143
Bandwidth (MHz)	160	160	160
DUT Centre Frequency (MHz)	6665	6665	6665
AWGN Centre Frequency (MHz)	6740	6740	6740
AWGN Signal Power (dBm)	-61.75	-60.37	-59.78
Antenna Gain (dBi)	3.87	3.87	3.87
Adjusted Power (dBm)	-65.62	-64.24	-63.65
Detection Limit (dBm)	-62.0	-62.0	-62.0
EUT Tx Status (OFF/Minimal/ON)	ON	Minimal	OFF

Table 594 - U-NII-7, Maximum Bandwidth (AWGN High)



Figure 300- U-NII-7, Minimum Bandwidth (AWGN High)



Parameter	Results		
U-NII Band	8	8	8
Channel Number	197	197	197
Bandwidth (MHz)	20	20	20
DUT Centre Frequency (MHz)	6935	6935	6935
AWGN Centre Frequency (MHz)	6935	6935	6935
AWGN Signal Power (dBm)	-66.53	-66.06	-65.77
Antenna Gain (dBi)	3.52	3.52	3.52
Adjusted Power (dBm)	-70.05	-69.58	-69.29
Detection Limit (dBm)	-62.0	-62.0	-62.0
EUT Tx Status (OFF/Minimal/ON)	ON	Minimal	OFF

Table 595 - U-NII-8, Minimum Bandwidth



Figure 301 - U-NII-8, Minimum Bandwidth

Parameter	Results		
U-NII Band	8	8	8
Channel Number	207	207	207
Bandwidth (MHz)	160	160	160
DUT Centre Frequency (MHz)	6985	6985	6985
AWGN Centre Frequency (MHz)	6910	6910	6910
AWGN Signal Power (dBm)	-65.77	-62.52	-60.58
Antenna Gain (dBi)	3.52	3.52	3.52
Adjusted Power (dBm)	-69.29	-66.04	-64.10
Detection Limit (dBm)	-62.0	-62.0	-62.0
EUT Tx Status (OFF/Minimal/ON)	ON	Minimal	OFF

Table 596 - U-NII-8, Maximum Bandwidth (AWGN Low)



Figure 302 - U-NII-8, Minimum Bandwidth (AWGN Low)

Parameter	Results		
U-NII Band	8	8	8
Channel Number	207	207	207
Bandwidth (MHz)	160	160	160
DUT Centre Frequency (MHz)	6985	6985	6985
AWGN Centre Frequency (MHz)	6985	6985	6985
AWGN Signal Power (dBm)	-63.62	-62.86	-61.15
Antenna Gain (dBi)	3.52	3.52	3.52
Adjusted Power (dBm)	-67.14	-66.38	-64.67
Detection Limit (dBm)	-62.0	-62.0	-62.0
EUT Tx Status (OFF/Minimal/ON)	ON	Minimal	OFF

Table 597 - U-NII-8, Maximum Bandwidth (AWGN Mid)



Figure 303 - U-NII-8, Minimum Bandwidth (AWGN Mid)

Parameter	Results		
U-NII Band	8	8	8
Channel Number	207	207	207
Bandwidth (MHz)	160	160	160
DUT Centre Frequency (MHz)	6985	6985	6985
AWGN Centre Frequency (MHz)	7060	7060	7060
AWGN Signal Power (dBm)	-65.77	-63.11	-59.62
Antenna Gain (dBi)	3.52	3.52	3.52
Adjusted Power (dBm)	-69.29	-66.63	-63.14
Detection Limit (dBm)	-62.0	-62.0	-62.0
EUT Tx Status (OFF/Minimal/ON)	ON	Minimal	OFF

Table 598 - U-NII-8, Maximum Bandwidth (AWGN High)



Figure 304 - U-NII-8, Minimum Bandwidth (AWGN High)



FCC 47 CFR Part 15.407 (d)(6)

Indoor access points, subordinate devices and client devices operating in the 5.925-7.125 GHz band must employ a contention-based protocol.

KDB 987594, Limit Clause I

Indoor access points, subordinate devices and client devices operating in the 5.925-7.125 GHz band (herein referred to as unlicensed devices) are required to use technologies that include a contention-based protocol to avoid co-channel interference with incumbent devices sharing the band. To ensure incumbent co-channel operations are detected in a technology-agnostic manner, unlicensed devices are required to detect co-channel radio frequency energy (energy detect) and avoid simultaneous transmission.

Unlicensed low-power indoor devices must detect co-channel radio frequency power that is at least -62 dBm or lower. Upon detection of energy in the band, unlicensed low power indoor devices must vacate the channel (in which incumbent signal is transmitted) and stay off the incumbent channel as long as detected radio frequency power is equal to or greater than the threshold (-62 dBm). The -62 dBm (or lower) threshold is referenced to a 0 dBi antenna gain.

To ensure incumbent operations are reliably detected in the band, low power indoor devices must detect RF energy throughout their intended operating channel. For example, an 802.11 device that plans to transmit a 40 MHz- wide signal (on a primary 20 MHz channel and a secondary 20 MHz channel) must detect energy throughout the entire 40 MHz channel. Additionally, low-power indoor devices must detect co-channel energy with 90% or greater certainty.

ISED RSS-248, Limit Clause 4.7.2

The minimum detection threshold power is the received power referenced to a 0 dBi antenna. Devices shall use a contention-based protocol to detect the presence of any emissions on the channel that the device intends to occupy. The device shall be able to detect, within its entire occupied bandwidth, a radio frequency power of at least -62 dBm or lower.

If an emission is detected on a channel, the device shall cease transmissions and shall not resume transmissions on this channel while the detected radio frequency power is at or above the -62 dBm threshold.



2.7.8 Test Location and Test Equipment Used

This test was carried out in Shielded Laboratory 1.

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
Cable (18 GHz)	Rosenberger	LU7-071-1000	5103	12	18-Dec-2023
3.5 mm 2m Cable	Junkosha	MWX221-02000DMS	5427	12	21-May-2024
Vector Signal Generator	Rohde & Schwarz	SMM100A	5915	36	01-Mar-2026
WiFi 6E Tri-Band Gaming Router	Asus	GT-AXE110000	5926	-	TU
Cable (K Type 2m)	Junkosha	MWX241-02000KMSKMS/B	5938	12	21-May-2024
Cable (SMA to SMA 1m)	Junkosha	MWX221/B	6305	12	04-Feb-2024
MXA Signal Analyzer	Keysight Technologies	N9020B	6415	24	22-Mar-2025
Test Coupling Network	TUV SUD	TUV_RxTest_001	6441	12	24-Apr-2024

Table 599

TU - Traceability Unscheduled



3 Measurement Uncertainty

For a 95% confidence level, the measurement uncertainties for defined systems are:

Test Name	Measurement Uncertainty
Emission Bandwidth	± 3.91 MHz
Maximum Conducted Output Power	± 1.38 dB
Maximum Conducted Power Spectral Density	± 1.49 dB
Authorised Band Edges	± 6.3 dB
Spurious Radiated Emissions	30 MHz to 1 GHz: ± 5.2 dB 1 GHz to 40 GHz: ± 6.3 dB
Unwanted Emissions within the 5925-7125 MHz band	± 3.45 dB
Contention Based Protocol	Time: 0.30% Interferer BW: 267.98 kHz Interferer Level: 0.80 dB

Table 600

Measurement Uncertainty Decision Rule – Accuracy Method

Determination of conformity with the specification limits is based on the decision rule according to IEC Guide 115:2021, Clause 4.4.3 (Procedure 2). The measurement results are directly compared with the test limit to determine conformance with the requirements of the standard.

Risk: The uncertainty of measurement about the measured result is negligible with regard to the final pass/fail decision. The measurement result can be directly compared with the test limit to determine conformance with the requirement (compare IEC Guide 115). The level of risk to falsely accept and falsely reject items is further described in ILAC-G8.