



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)(7) RSS-248 4.6.2	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	11.00	11.37	-	-
6145	10.45	10.60	-	-
6385	9.91	10.57	-	-
6465	9.79	10.16	-	-
6545	9.55	9.63	-	-
6625	8.61	9.04	-	-
6705	8.82	9.16	-	-
6785	9.01	8.74	-	-
6865	9.42	8.90	-	-
6945	10.87	10.40	-	-
7025	11.45	11.91	-	-

Table 677 - Unwanted Emissions Within the Band Results

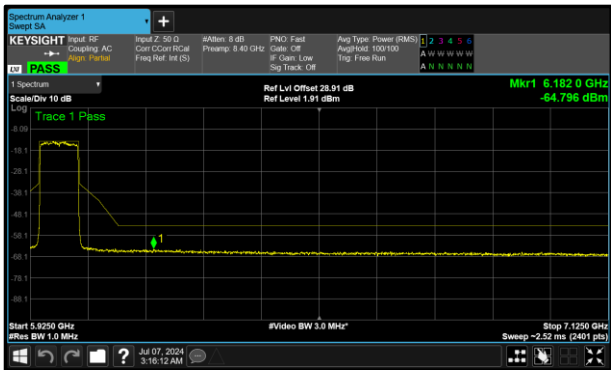


Figure 370 - A (Core 0) 5985 MHz (CH7)

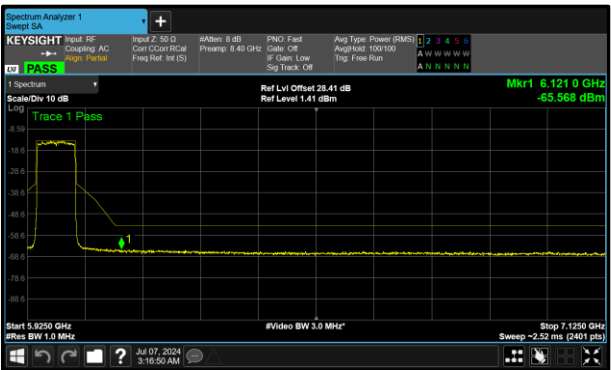


Figure 371 - B (Core 1) 5985 MHz (CH7)

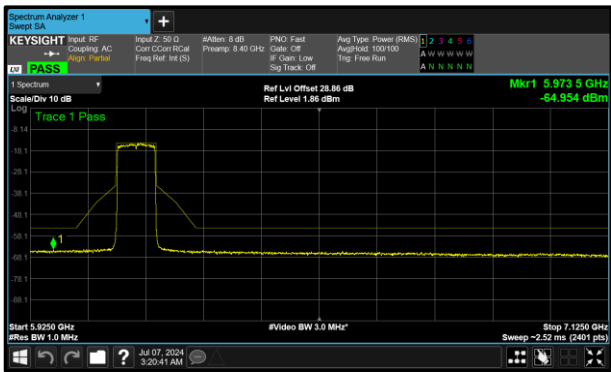


Figure 372 - A (Core 0) 6145 MHz (CH39)

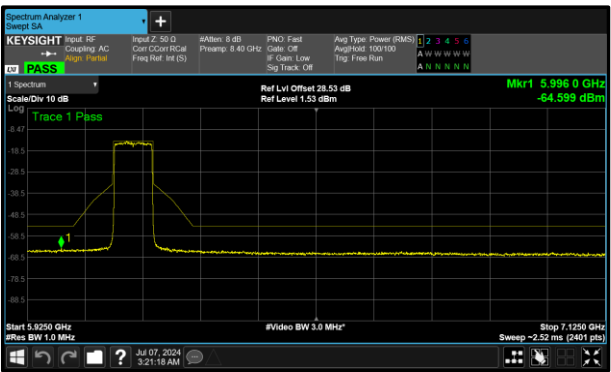


Figure 373 - B (Core 1) 6145 MHz (CH39)

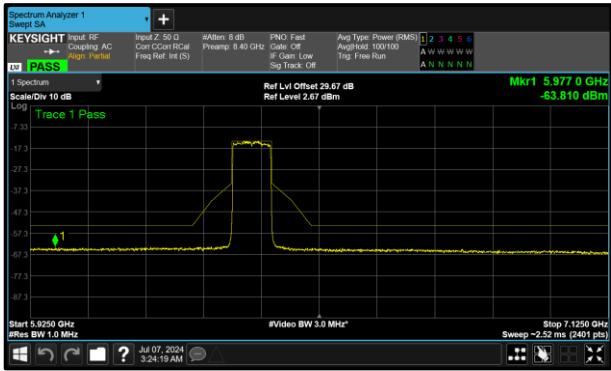


Figure 374 - A (Core 0) 6385 MHz (CH87)

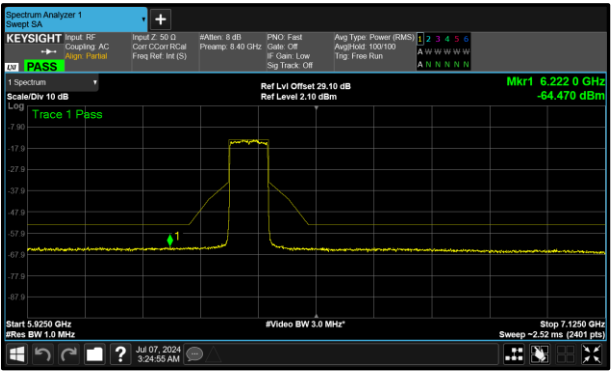


Figure 375 - B (Core 1) 6385 MHz (CH87)

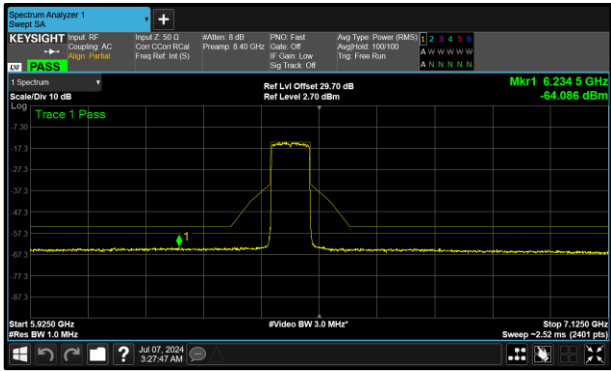


Figure 376 - A (Core 0) 6465 MHz (CH103)

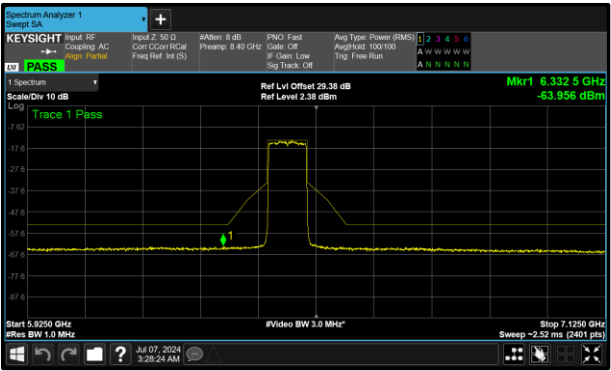


Figure 377 - B (Core 1) 6465 MHz (CH103)

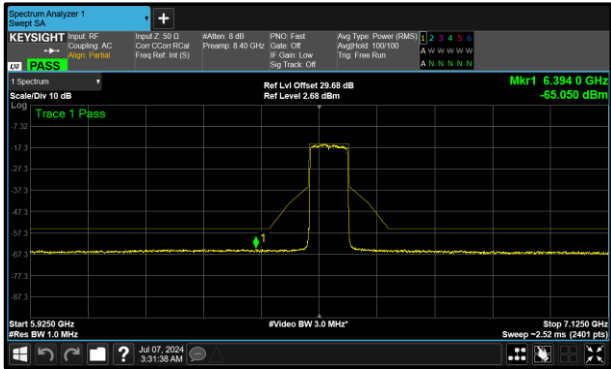


Figure 378 - A (Core 0) 6545 MHz (CH119)

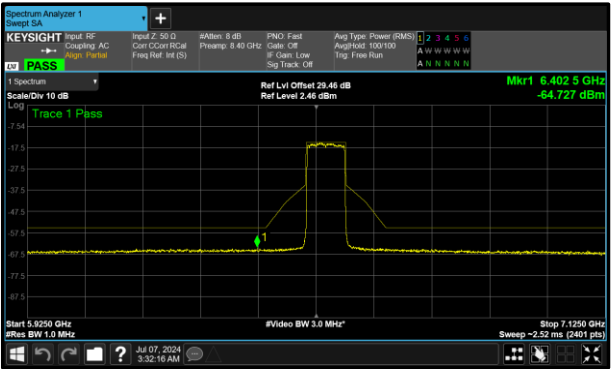


Figure 379 - B (Core 1) 6545 MHz (CH119)

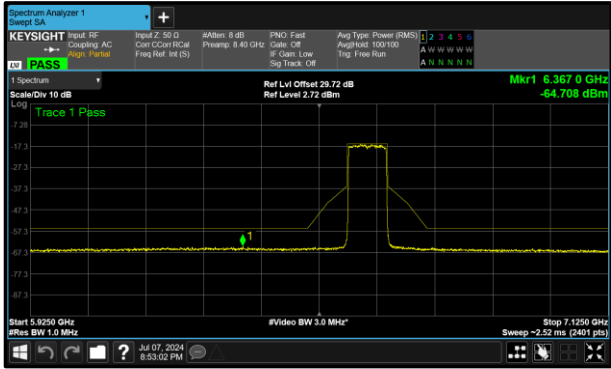


Figure 380 - A (Core 0) 6625 MHz (CH135)

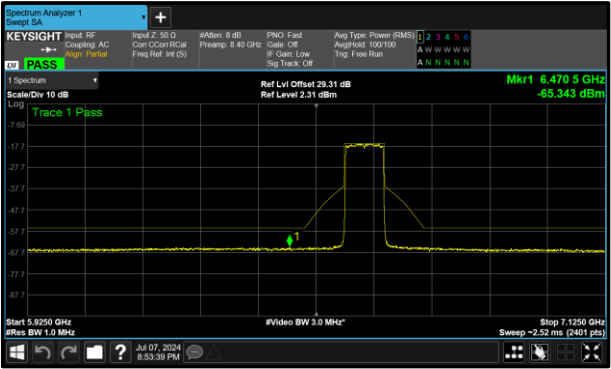


Figure 381 - B (Core 1) 6625 MHz (CH135)

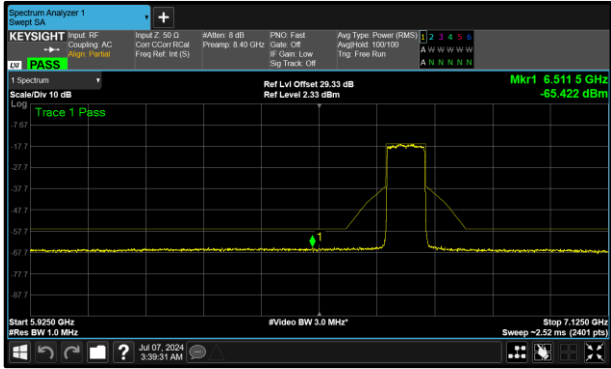


Figure 382 - A (Core 0) 6705 MHz (CH151)

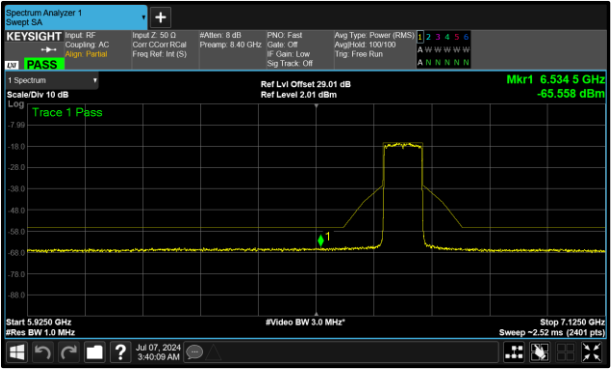


Figure 383 - B (Core 1) 6705 MHz (CH151)

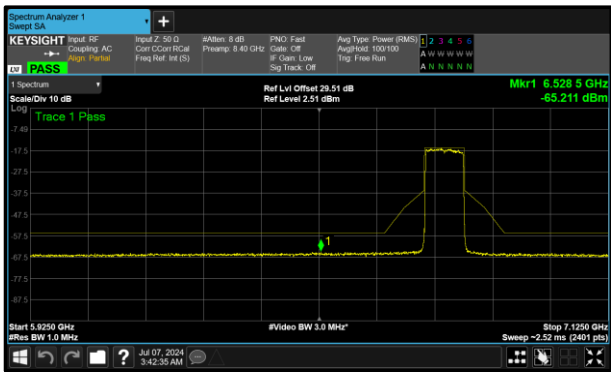


Figure 384 - A (Core 0) 6785 MHz (CH167)

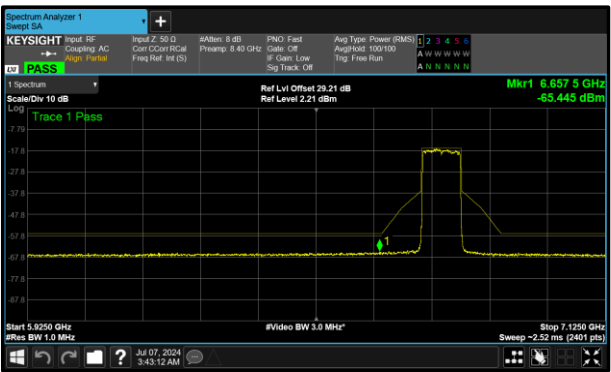


Figure 385 - B (Core 1) 6785 MHz (CH167)

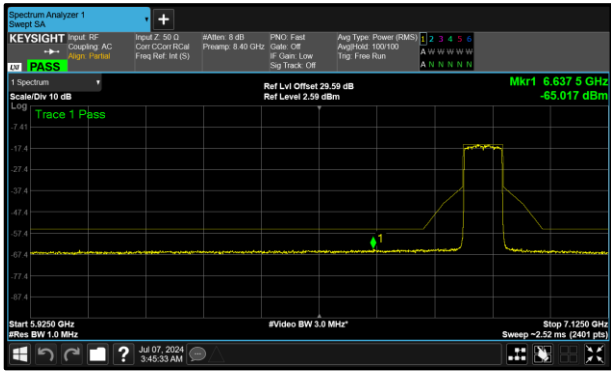


Figure 386 - A (Core 0) 6865 MHz (CH183)

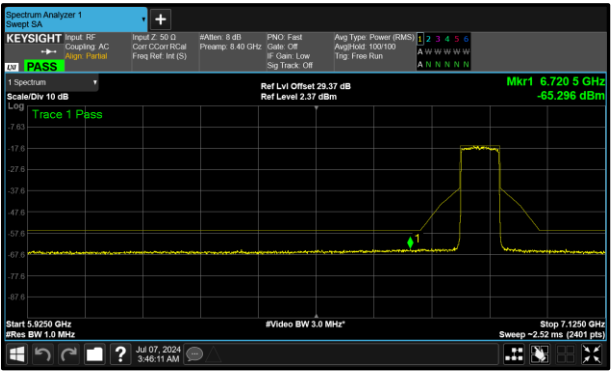


Figure 387 - B (Core 1) 6865 MHz (CH183)

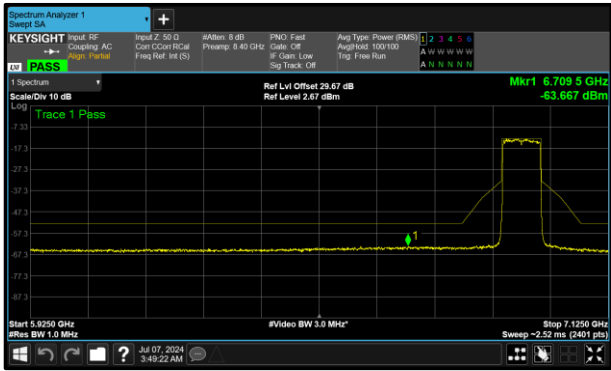


Figure 388 - A (Core 0) 6945 MHz (CH199)

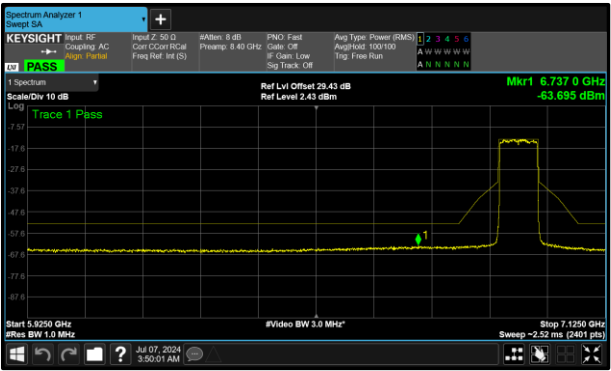


Figure 389 - B (Core 1) 6945 MHz (CH199)

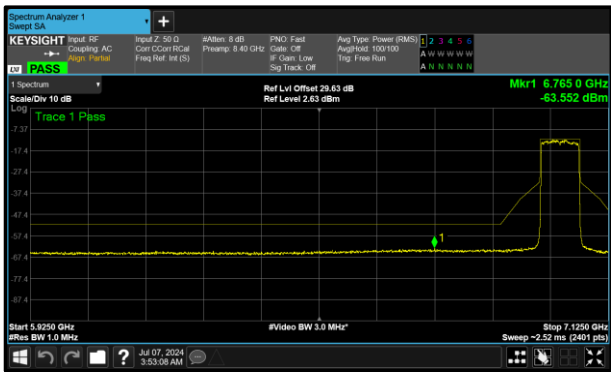


Figure 390 - A (Core 0) 7025 MHz (CH215)

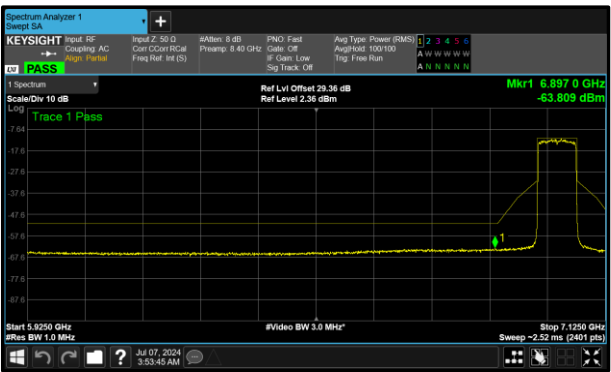


Figure 391 - B (Core 1) 7025 MHz (CH215)



Test Configuration			
Frequency Range:	6.425-6.875 GHz	Band:	U-NII-5, U-NII-6, U-NII-7
Limit Clause(s):	15.407 (b)(7) RSS-248 4.6.2	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	13.24	14.08	-	-
6175	11.94	12.29	-	-
6415	12.35	13.34	-	-
6435	12.26	12.39	-	-
6475	12.20	12.09	-	-
6515	12.41	12.90	-	-
6535	12.07	12.16	-	-
6695	12.13	12.29	-	-
6855	11.60	11.43	-	-

Table 678 - Unwanted Emissions Within the Band Results

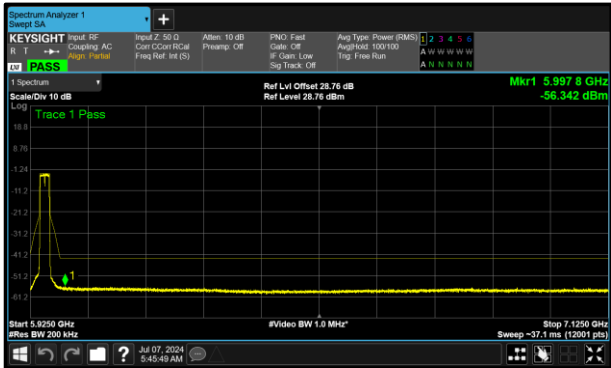


Figure 392 - A (Core 0) 5955 MHz (CH1)

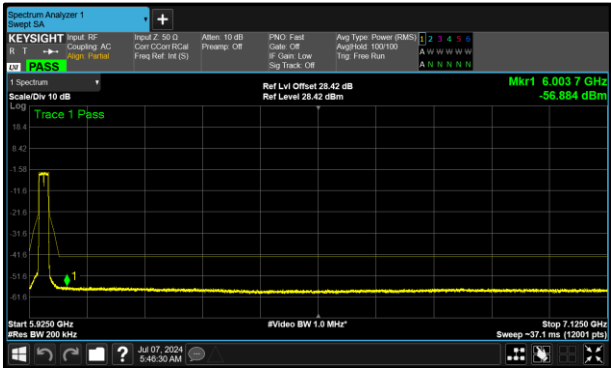


Figure 393 - B (Core 1) 5955 MHz (CH1)

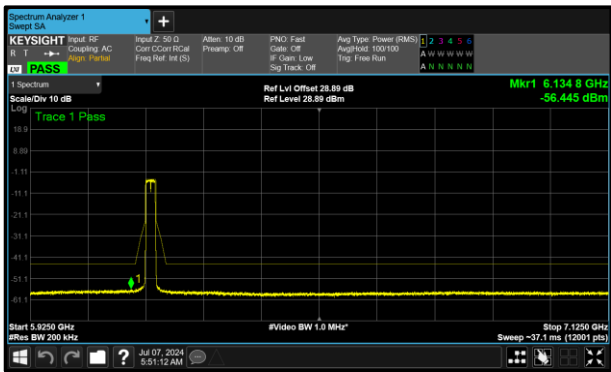


Figure 394 - A (Core 0) 6175 MHz (CH45)

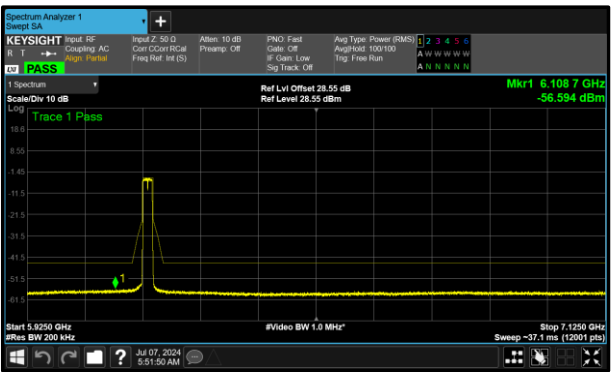


Figure 395 - B (Core 1) 6175 MHz (CH45)

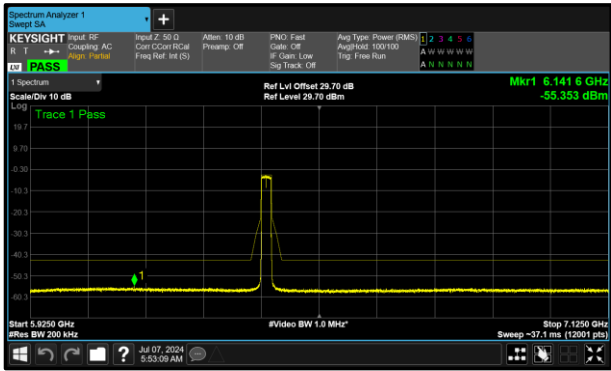


Figure 396 - A (Core 0) 6415 MHz (CH93)

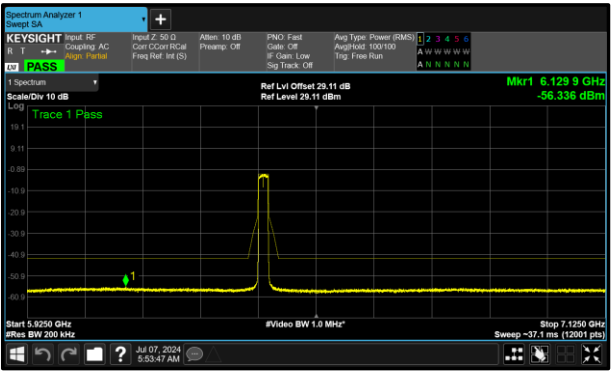


Figure 397 - B (Core 1) 6415 MHz (CH93)

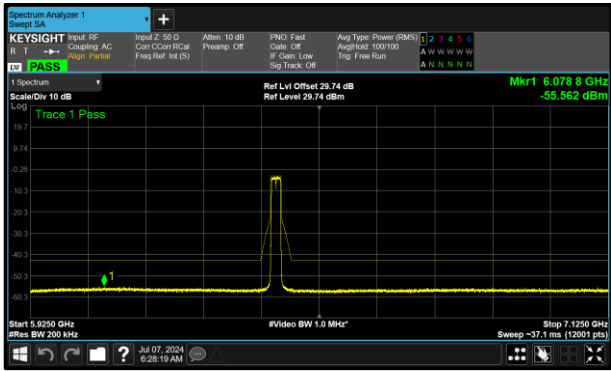


Figure 398 - A (Core 0) 6435 MHz (CH97)

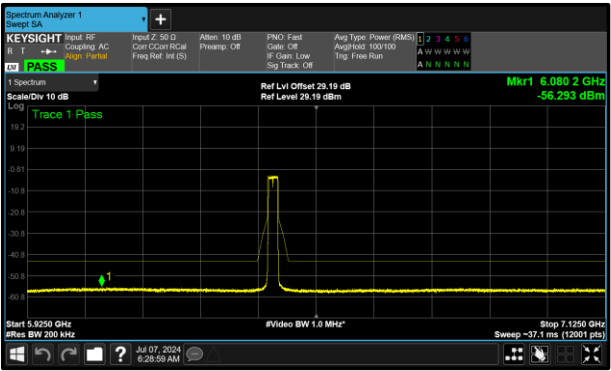


Figure 399 - B (Core 1) 6435 MHz (CH97)

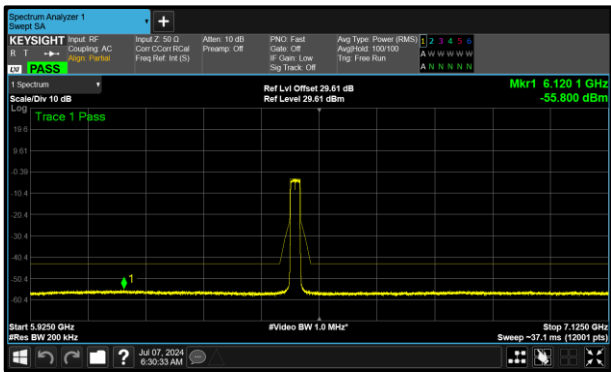


Figure 400 - A (Core 0) 6475 MHz (CH105)

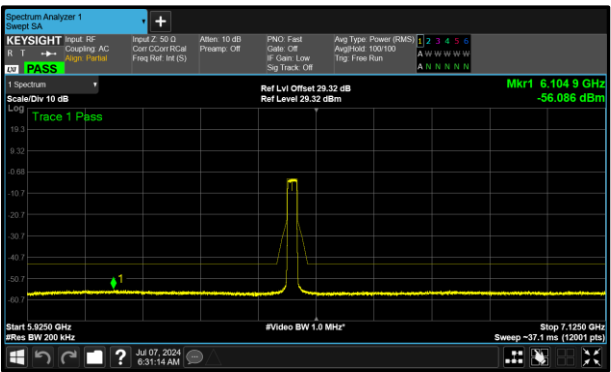


Figure 401 - B (Core 1) 6475 MHz (CH105)

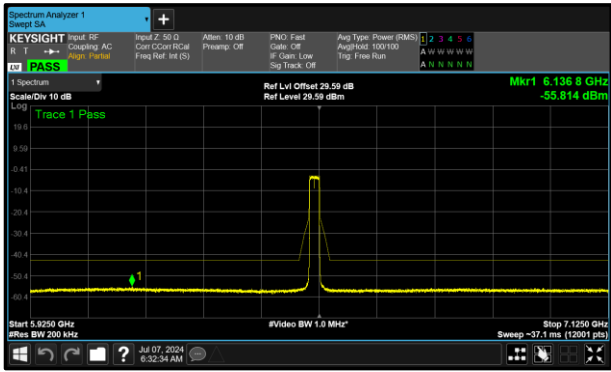


Figure 402 - A (Core 0) 6515 MHz (CH113)

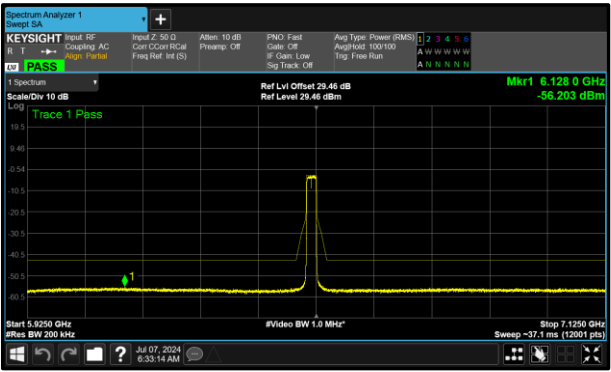


Figure 403 - B (Core 1) 6515 MHz (CH113)

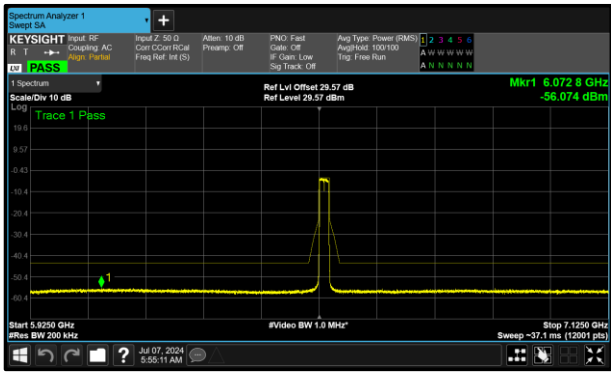


Figure 404 - A (Core 0) 6535 MHz (CH117)

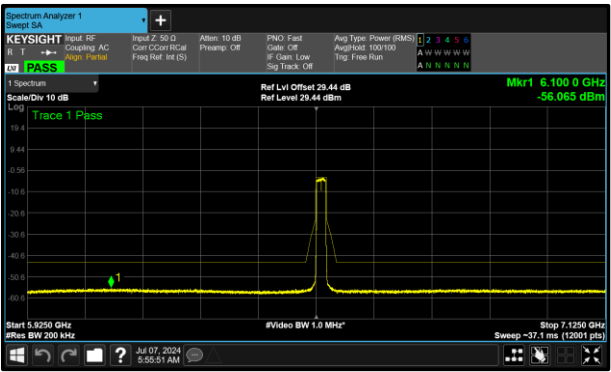


Figure 405 - B (Core 1) 6535 MHz (CH117)

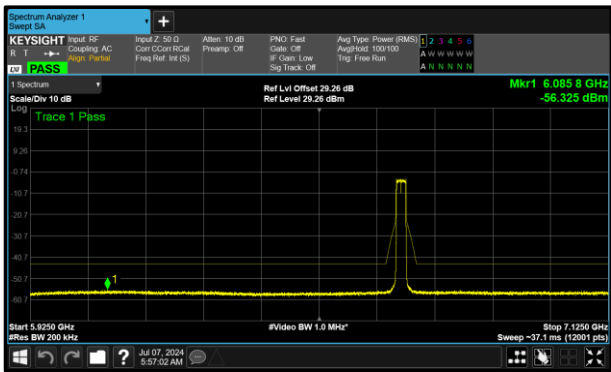


Figure 406 - A (Core 0) 6695 MHz (CH149)

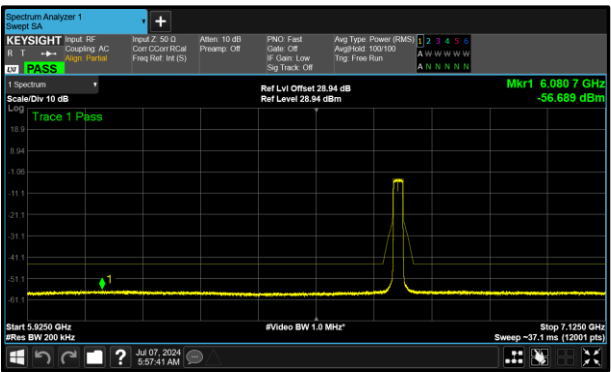


Figure 407 - B (Core 1) 6695 MHz (CH149)

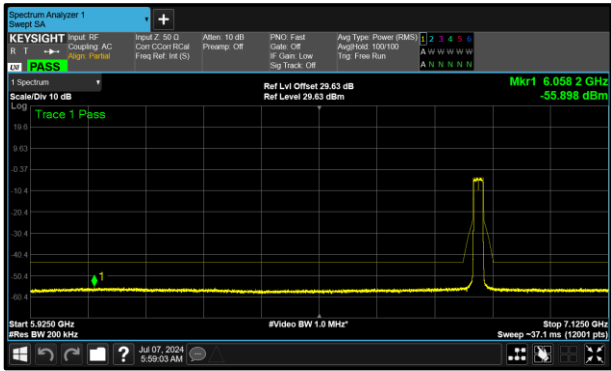


Figure 408 - A (Core 0) 6855 MHz (CH181)

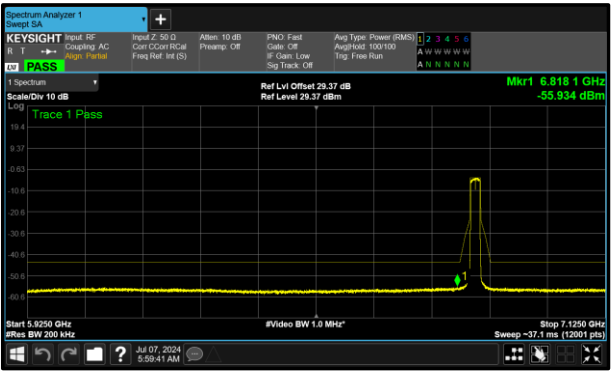


Figure 409 - B (Core 1) 6855 MHz (CH181)



Test Configuration			
Frequency Range:	6.425-6.875 GHz	Band:	U-NII-5, U-NII-6, U-NII-7
Limit Clause(s):	15.407 (b)(7) RSS-248 4.6.2	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	13.13	12.76	-	-
6165	12.05	11.95	-	-
6405	11.76	12.43	-	-
6445	11.67	11.84	-	-
6485	11.70	11.97	-	-
6525	12.44	12.38	-	-
6565	11.86	11.81	-	-
6685	11.92	12.14	-	-
6845	11.71	11.42	-	-

Table 679 - Unwanted Emissions Within the Band Results

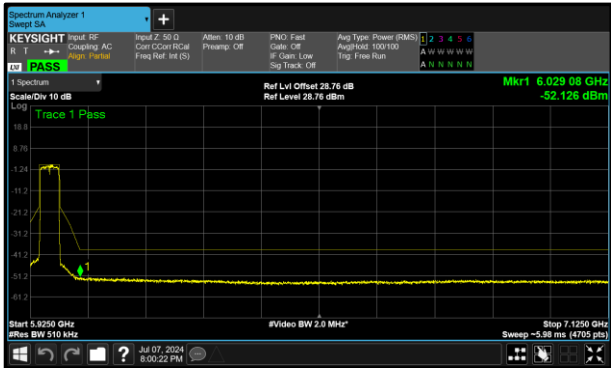


Figure 410 - A (Core 0) 5965 MHz (CH3)

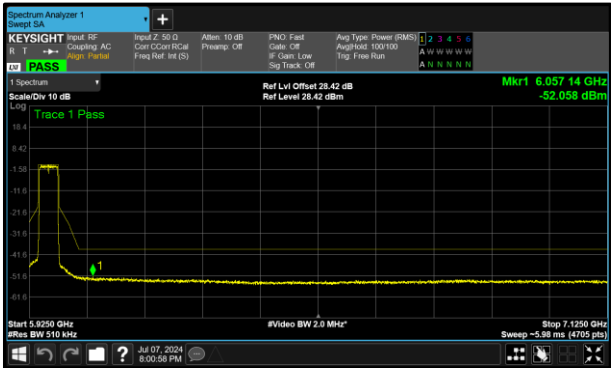


Figure 411 - B (Core 1) 5965 MHz (CH3)

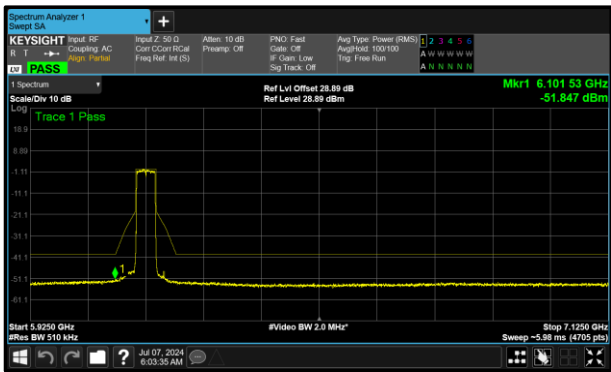


Figure 412 - A (Core 0) 6165 MHz (CH43)

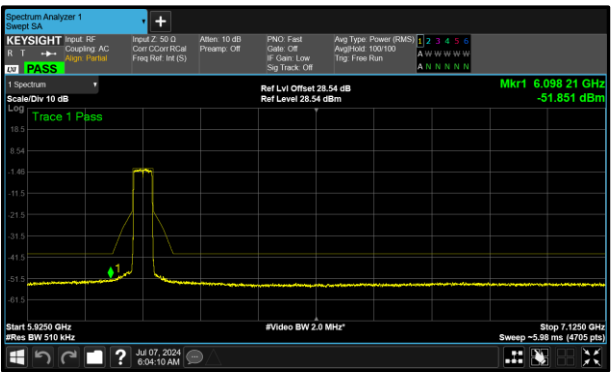


Figure 413 - B (Core 1) 6165 MHz (CH43)

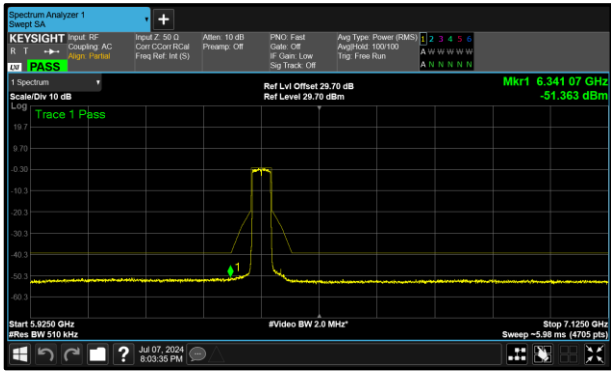


Figure 414 - A (Core 0) 6405 MHz (CH91)

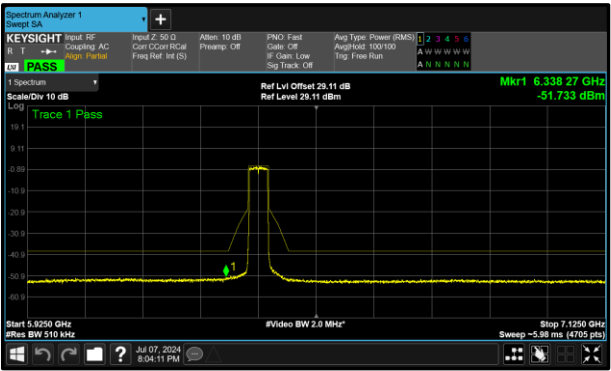


Figure 415 - B (Core 1) 6405 MHz (CH91)

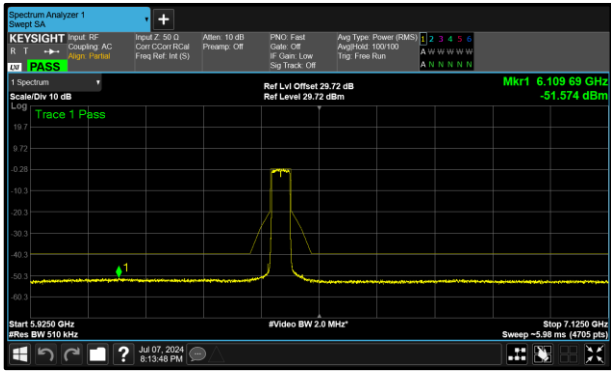


Figure 416 - A (Core 0) 6445 MHz (CH99)

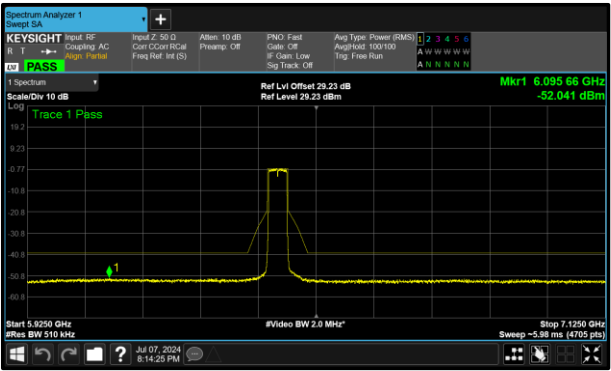


Figure 417 - B (Core 1) 6445 MHz (CH99)

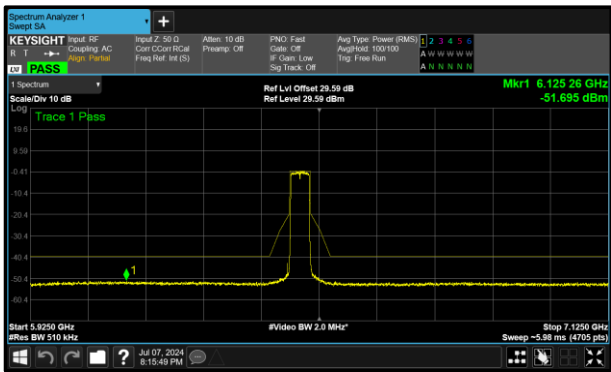


Figure 418 - A (Core 0) 6485 MHz (CH107)

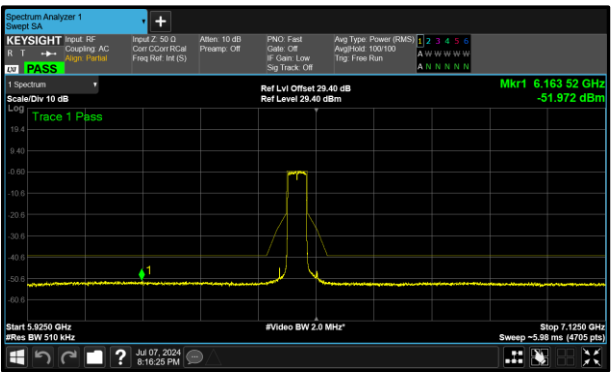


Figure 419 - B (Core 1) 6485 MHz (CH107)

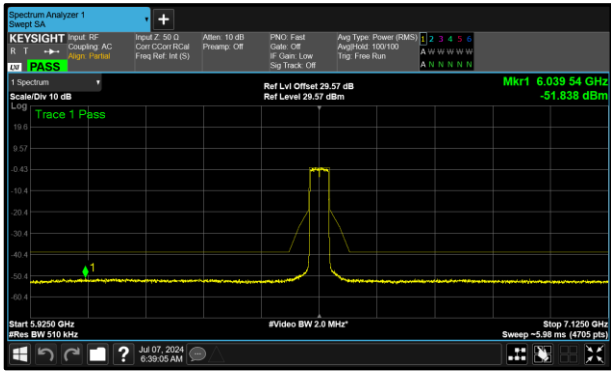


Figure 420 - A (Core 0) 6525 MHz (CH115)

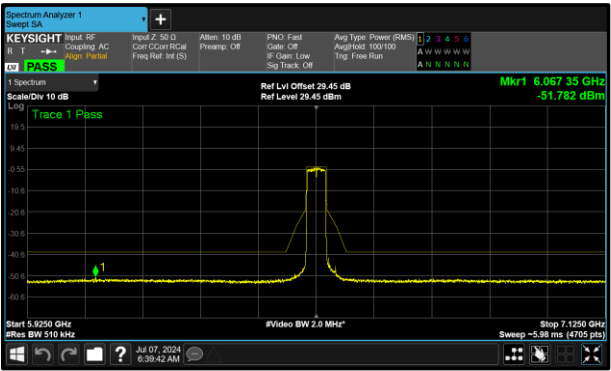


Figure 421 - B (Core 1) 6525 MHz (CH115)

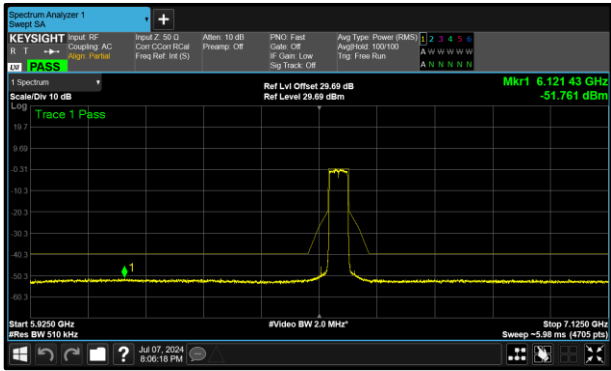


Figure 422 - A (Core 0) 6565 MHz (CH123)

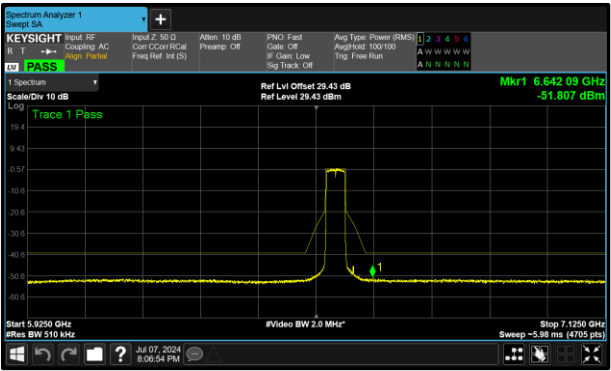


Figure 423 - B (Core 1) 6565 MHz (CH123)

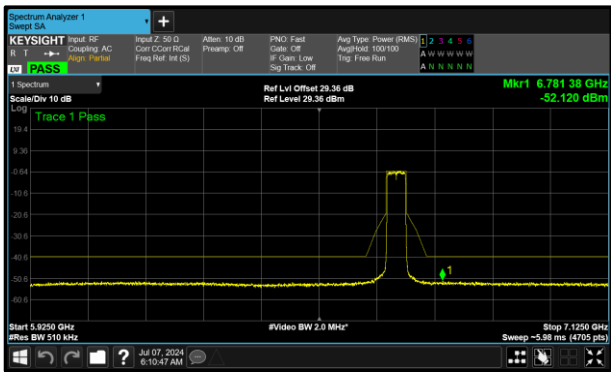


Figure 424 - A (Core 0) 6685 MHz (CH147)

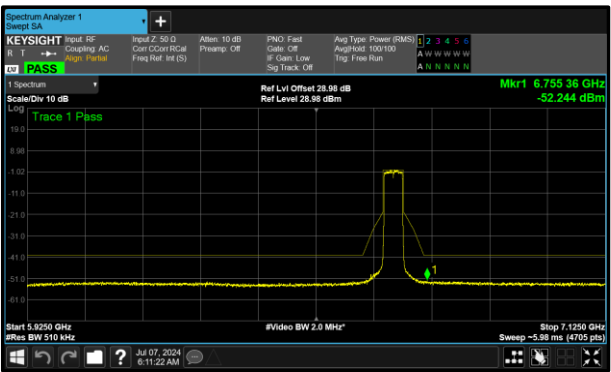


Figure 425 - B (Core 1) 6685 MHz (CH147)

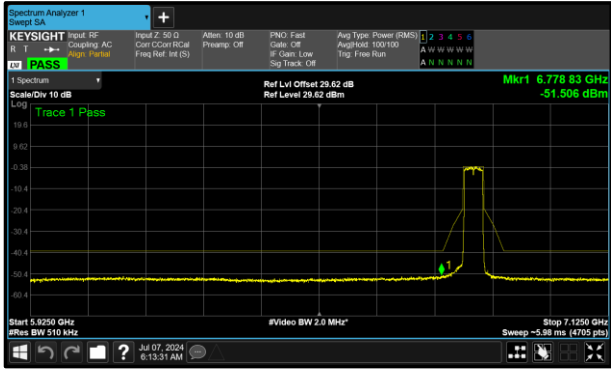


Figure 426 - A (Core 0) 6845 MHz (CH179)

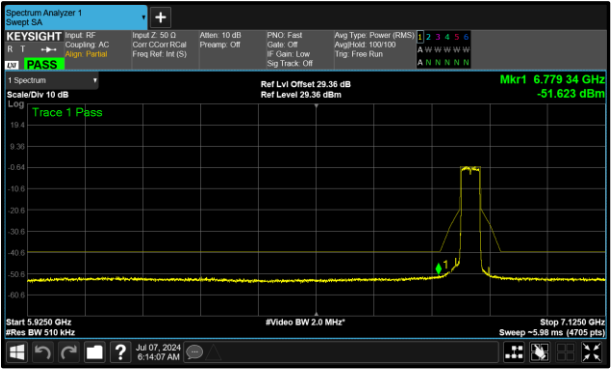


Figure 427 - B (Core 1) 6845 MHz (CH179)



Test Configuration			
Frequency Range:	6.425-6.875 GHz	Band:	U-NII-5, U-NII-6, U-NII-7
Limit Clause(s):	15.407 (b)(7) RSS-248 4.6.2	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	10.24	9.96	-	-
6145	8.81	9.60	-	-
6385	8.99	9.11	-	-
6465	8.51	8.70	-	-
6545	8.95	8.89	-	-
6625	8.33	8.91	-	-
6705	9.66	9.36	-	-
6785	9.23	8.85	-	-

Table 680 - Unwanted Emissions Within the Band Results

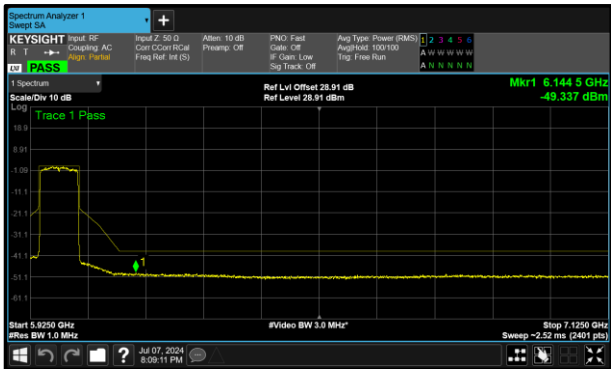


Figure 428 - A (Core 0) 5985 MHz (CH7)

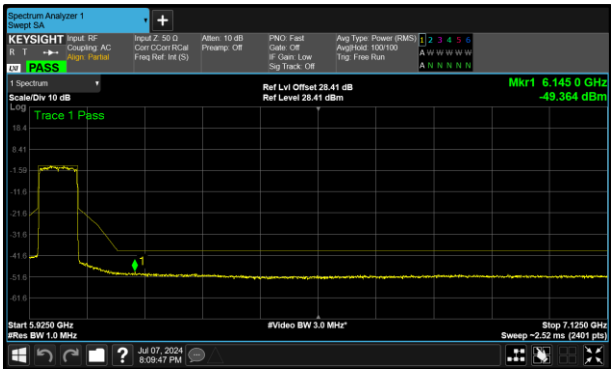


Figure 429 - B (Core 1) 5985 MHz (CH7)

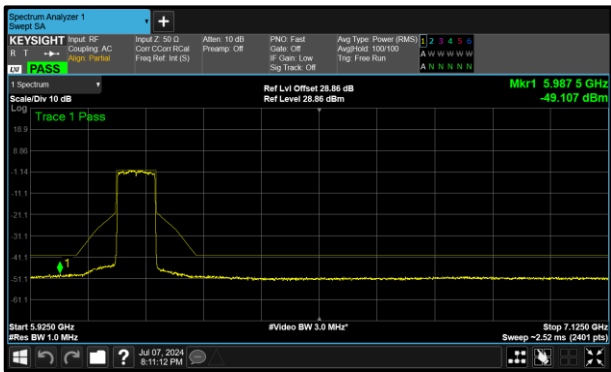


Figure 430 - A (Core 0) 6145 MHz (CH39)

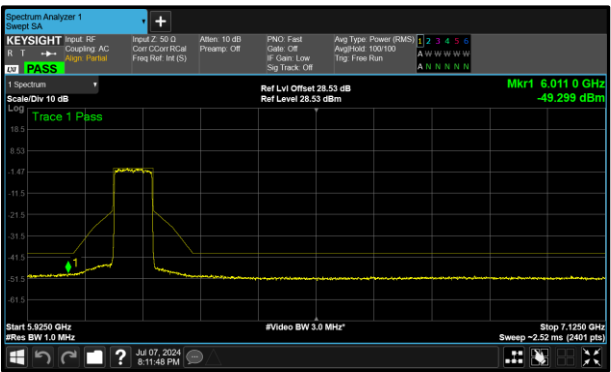


Figure 431 - B (Core 1) 6145 MHz (CH39)

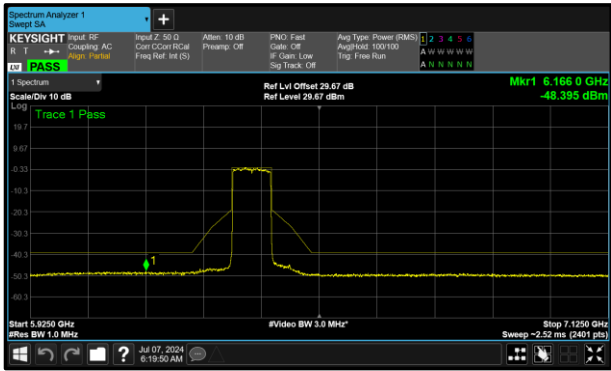


Figure 432 - A (Core 0) 6385 MHz (CH87)

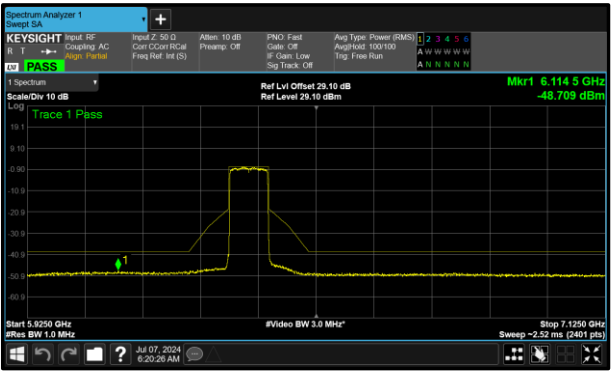


Figure 433 - B (Core 1) 6385 MHz (CH87)

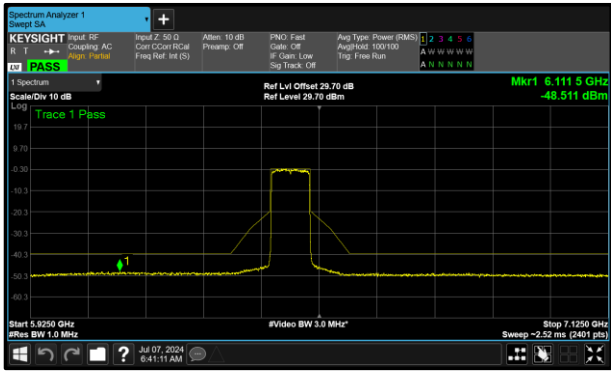


Figure 434 - A (Core 0) 6465 MHz (CH103)

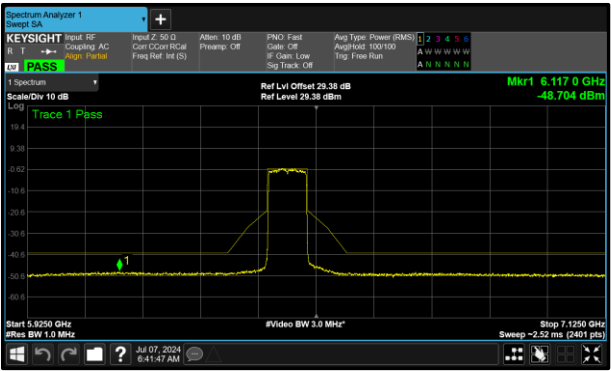


Figure 435 - B (Core 1) 6465 MHz (CH103)

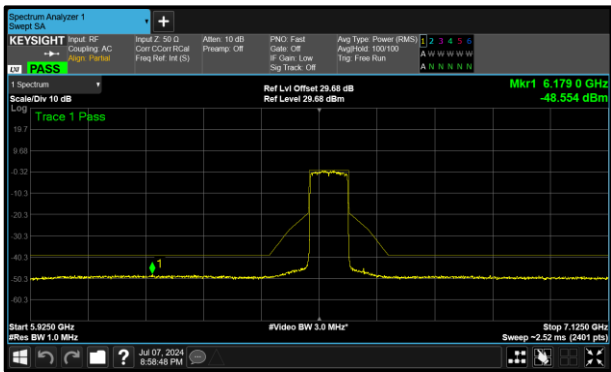


Figure 436 - A (Core 0) 6545 MHz (CH119)

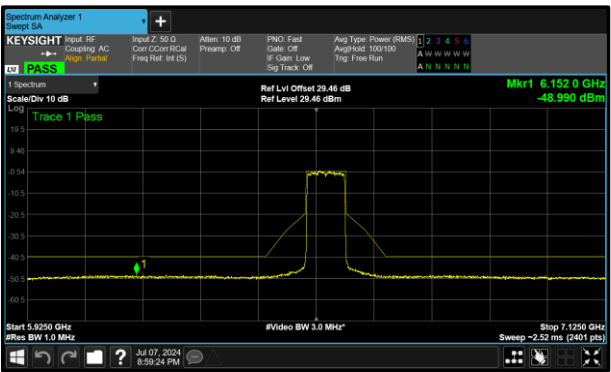


Figure 437 - B (Core 1) 6545 MHz (CH119)

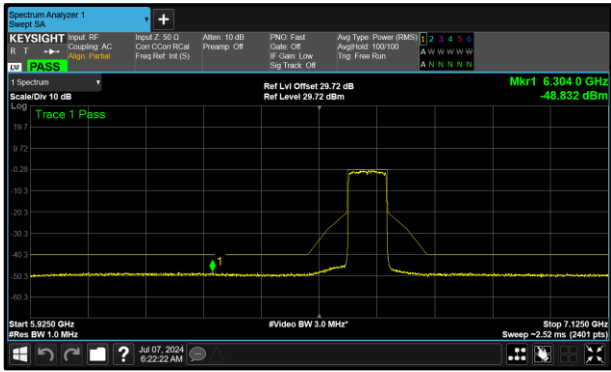


Figure 438 - A (Core 0) 6625 MHz (CH135)

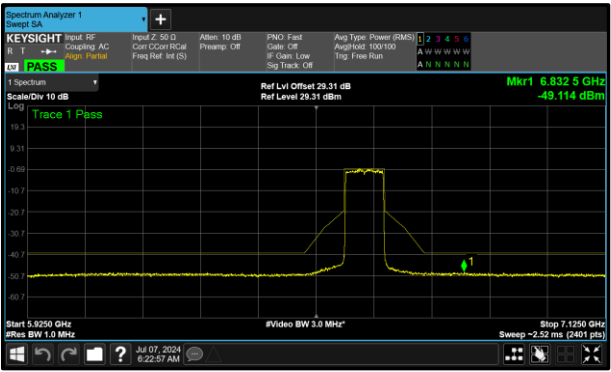


Figure 439 - B (Core 1) 6625 MHz (CH135)

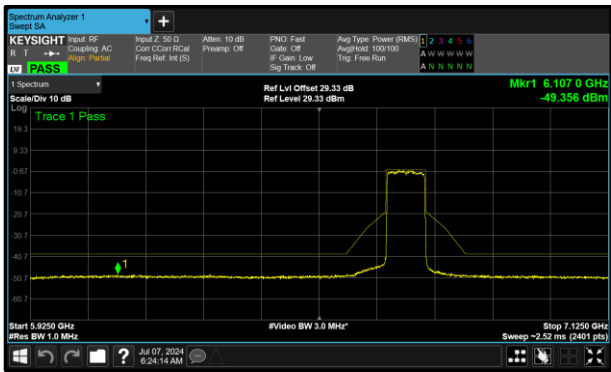


Figure 440 - A (Core 0) 6705 MHz (CH151)

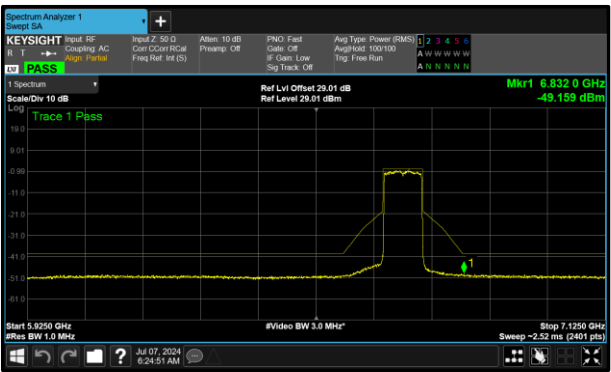


Figure 441 - B (Core 1) 6705 MHz (CH151)

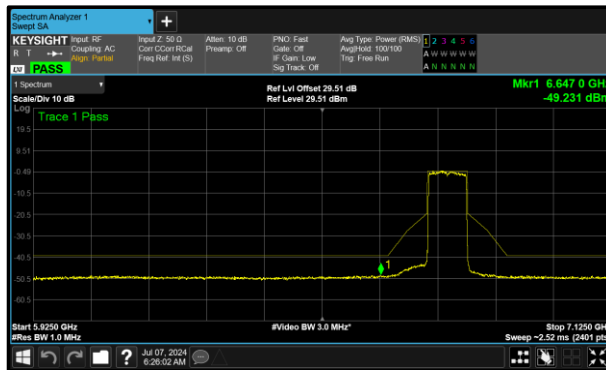


Figure 442 - A (Core 0) 6785 MHz
(CH167)

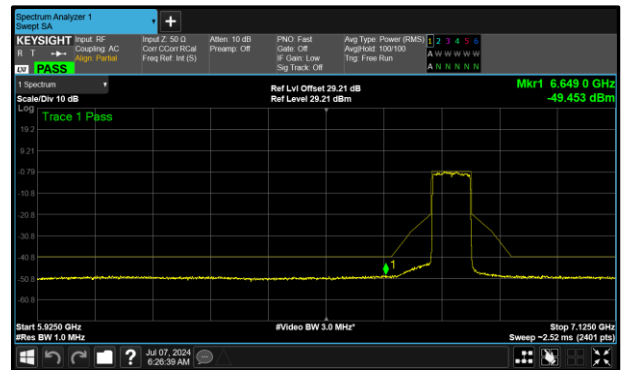


Figure 443 - B (Core 1) 6785 MHz
(CH167)

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.



2.8.7 Test Location and Test Equipment Used

This test was carried out in RF Chamber 18.

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
Hygrometer	Rotronic	I-1000	3068	12	07-Nov-2024
1800-6000 MHz Power Splitter	Mini-Circuits	ZN2PD-63-S+	4055	-	O/P Mon
Attenuator 5W 30dB DC-18GHz	Aaren	AT40A-4041-D18-30	5505	12	22-Feb-2025
2-Way Power Divider (2-8 GHz)	Aaren	AT30A-TE0208-2-AF	5685	12	02-Jan-2025
Digital Multimeter	Fluke	115	6145	12	06-Jun-2025
Cable (SMA to SMA 1m)	Junkosha	MWX221/B	6305	12	20-May-2025
MXA Signal Analyser	Keysight Technologies	N9020B	6419	24	28-Feb-2025
Directional Coupler 2-8GHz	RF-Lambda	RFDC2G8G10	6447	-	O/P Mon
Directional Coupler 2-8GHz	RF-Lambda	RFDC2G8G10	6448	-	O/P Mon
Signal Conditioning Unit	TUV SUD	SPECTRUM_SCU001	6517	12	22-Feb-2025
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6526	12	22-Feb-2025
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6527	12	05-Mar-2025
AC Programmable Power Supply	iTech	IT7324	6665	-	O/P Mon

Table 681

O/P Mon - Output Monitored using calibrated equipment



2.9 Contention Based Protocol

2.9.1 Specification Reference

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

2.9.2 Equipment Under Test and Modification State

A3112, S/N: LG21599063 - Modification State 0

2.9.3 Date of Test

26-July-2024

2.9.4 Test Method

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

The AWGN signal level was initially set at a level much less than the required threshold level ($\ll -62$ 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 into the DUT's receiver, corrected for all cable losses. The minimum antenna gain value was then used to correct the level as described in KDB 987594 D04.

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

2.9.5 Test Setup Diagram

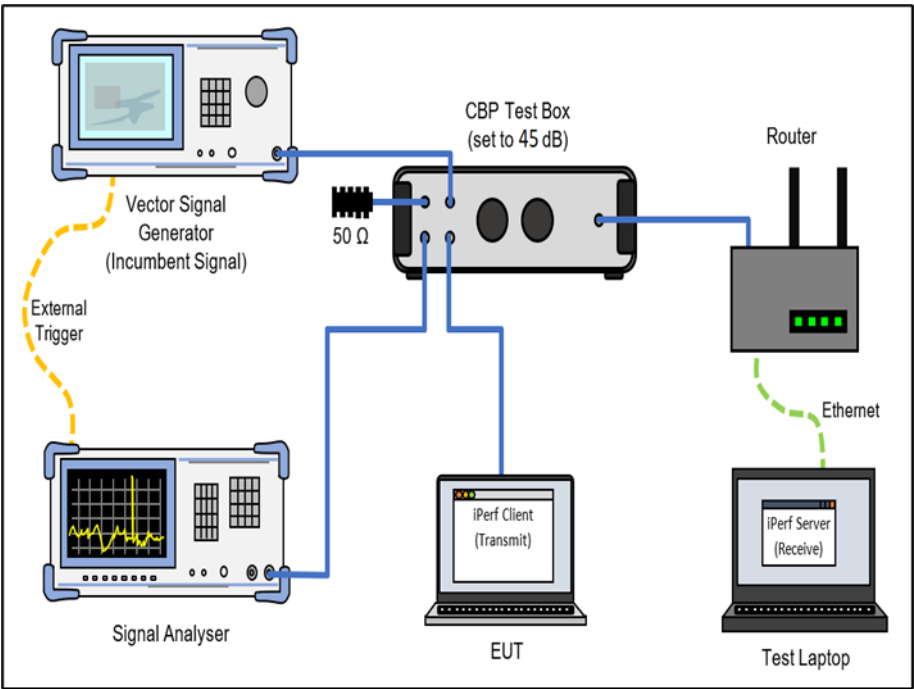


Figure 444 - Test Equipment Setup Diagram

2.9.6 Environmental Conditions

Ambient Temperature	23.5 °C
Relative Humidity	34.9 %



2.9.7 Test Results

6 GHz WLAN

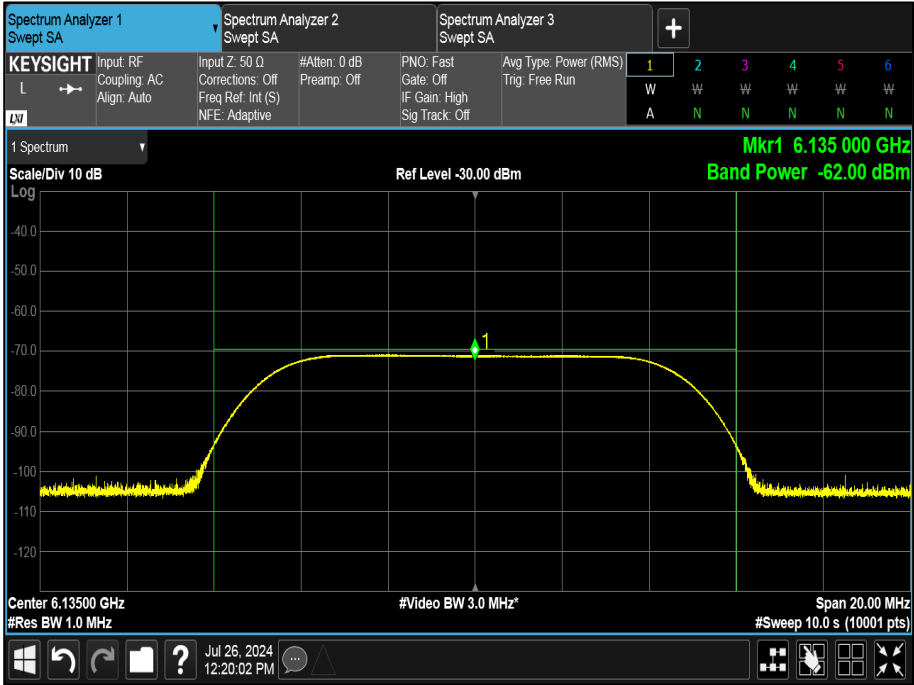


Figure 445 - Example of AWGN Signal



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)	-76.36	-73.86	-72.73
Antenna Gain (dBi)	1.30	1.30	1.30
Adjusted Power (dBm)	-77.66	-75.16	-74.03
Detection Limit (dBm)	-62.0	-62.0	-62.0
EUT Tx Status (OFF/Minimal/ON)	ON	Minimal	OFF

Table 682 - U-NII-5, Minimum Bandwidth

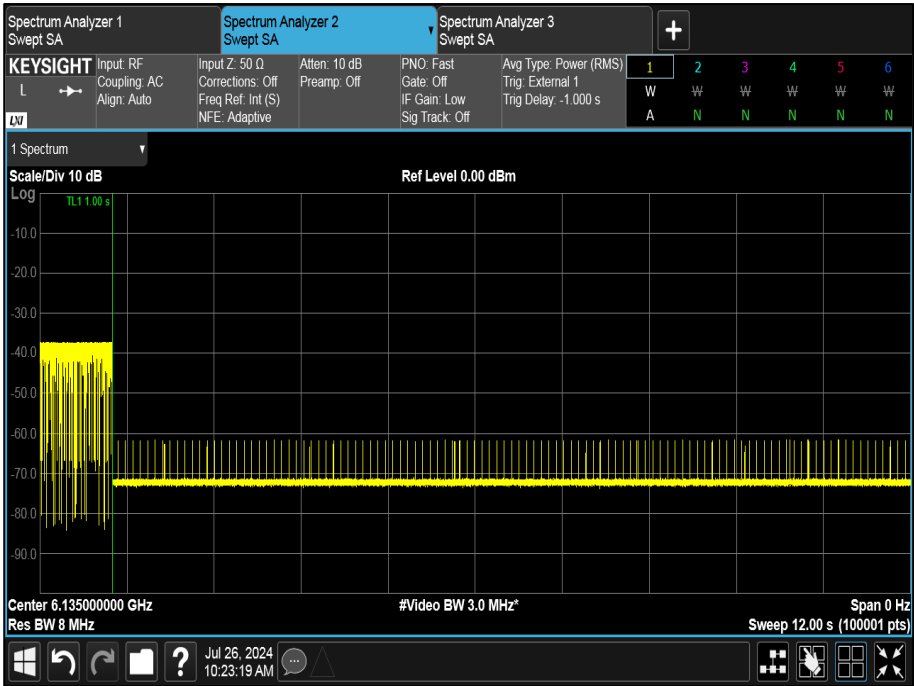


Figure 446 - U-NII-5, Minimum Bandwidth



Parameter	Results		
U-NII Band	5	5	5
Channel Number	47	47	47
Bandwidth (MHz)	160	160	160
DUT Centre Frequency (MHz)	6185	6185	6185
AWGN Centre Frequency (MHz)	6110	6110	6110
AWGN Signal Power (dBm)	-70.62	-68.31	-67.60
Antenna Gain (dBi)	1.30	1.30	1.30
Adjusted Power (dBm)	-71.92	-69.61	-68.90
Detection Limit (dBm)	-62.0	-62.0	-62.0
EUT Tx Status (OFF/Minimal/ON)	ON	Minimal	OFF

Table 683 - U-NII-5, Maximum Bandwidth (AWGN Low)

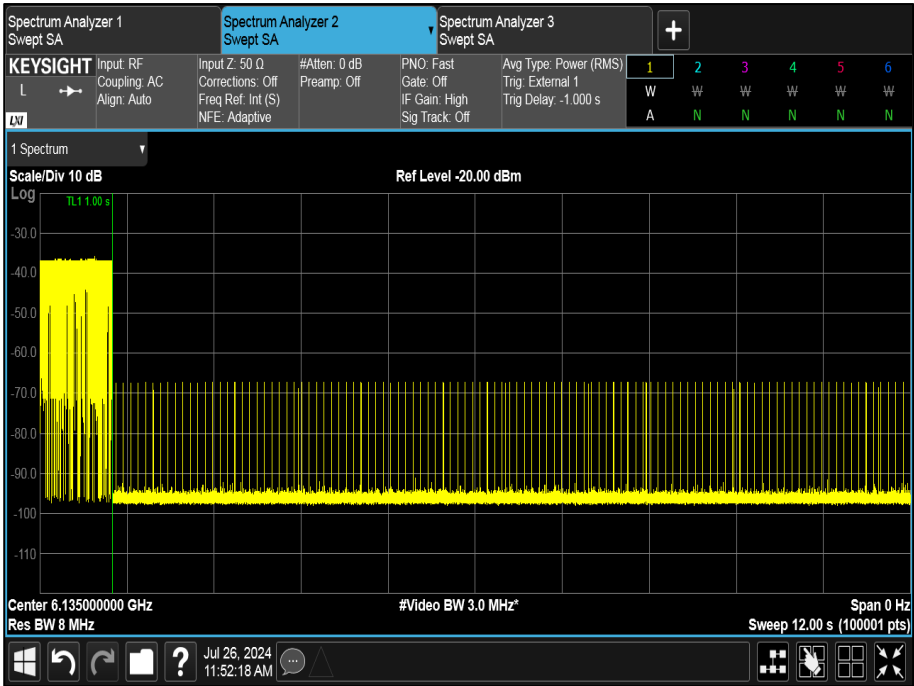


Figure 447 - U-NII-5, Minimum Bandwidth (AWGN Low)



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)	-73.11	-70.63	-68.72
Antenna Gain (dBi)	1.30	1.30	1.30
Adjusted Power (dBm)	-74.41	-71.93	-70.02
Detection Limit (dBm)	-62.0	-62.0	-62.0
EUT Tx Status (OFF/Minimal/ON)	ON	Minimal	OFF

Table 684 - U-NII-5, Maximum Bandwidth (AWGN Mid)

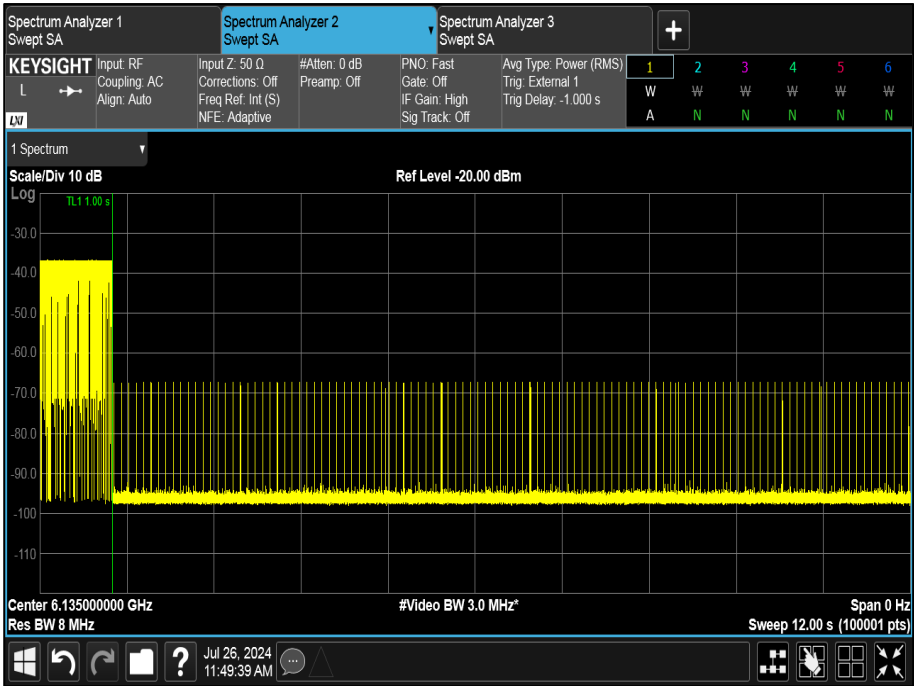


Figure 448 - U-NII-5, Minimum Bandwidth (AWGN Mid)



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)	-67.44	-65.67	-64.34
Antenna Gain (dBi)	1.30	1.30	1.30
Adjusted Power (dBm)	-68.74	-66.97	-65.64
Detection Limit (dBm)	-62.0	-62.0	-62.0
EUT Tx Status (OFF/Minimal/ON)	ON	Minimal	OFF

Table 685 - U-NII-5, Maximum Bandwidth (AWGN High)

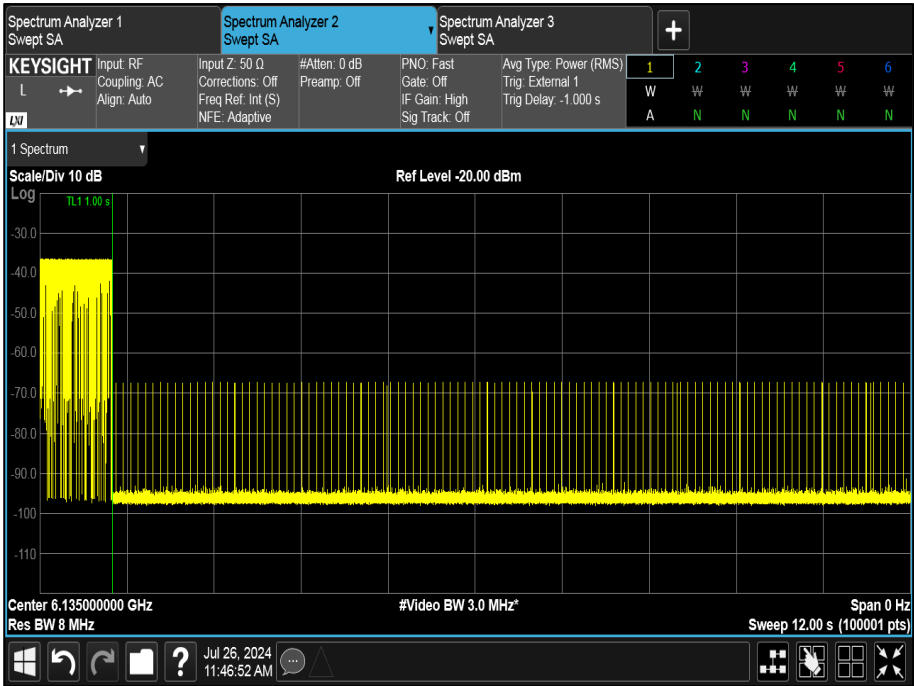


Figure 449 - U-NII-5, Minimum Bandwidth (AWGN High)



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)	-76.36	-73.96	-73.05
Antenna Gain (dBi)	1.30	1.30	1.30
Adjusted Power (dBm)	-77.66	-75.26	-74.35
Detection Limit (dBm)	-62.0	-62.0	-62.0
EUT Tx Status (OFF/Minimal/ON)	ON	Minimal	OFF

Table 686 - U-NII-6, Minimum Bandwidth

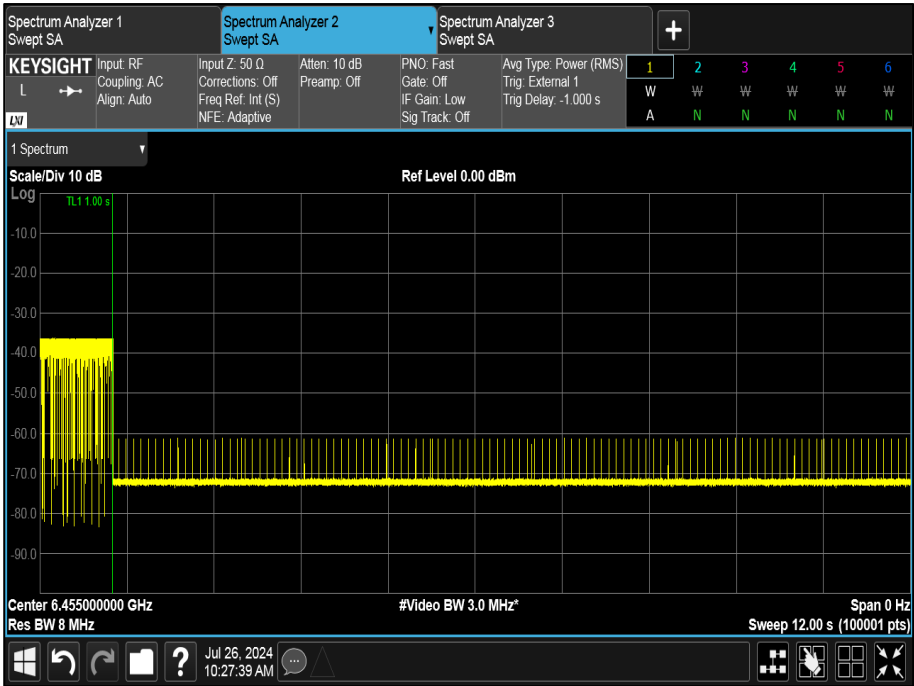


Figure 450 - U-NII-6, Minimum Bandwidth

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)	-73.47	-69.34	-68.98
Antenna Gain (dBi)	1.30	1.30	1.30
Adjusted Power (dBm)	-74.77	-70.64	-70.28
Detection Limit (dBm)	-62.0	-62.0	-62.0
EUT Tx Status (OFF/Minimal/ON)	ON	Minimal	OFF

Table 687 - U-NII-6, Maximum Bandwidth (AWGN Low)

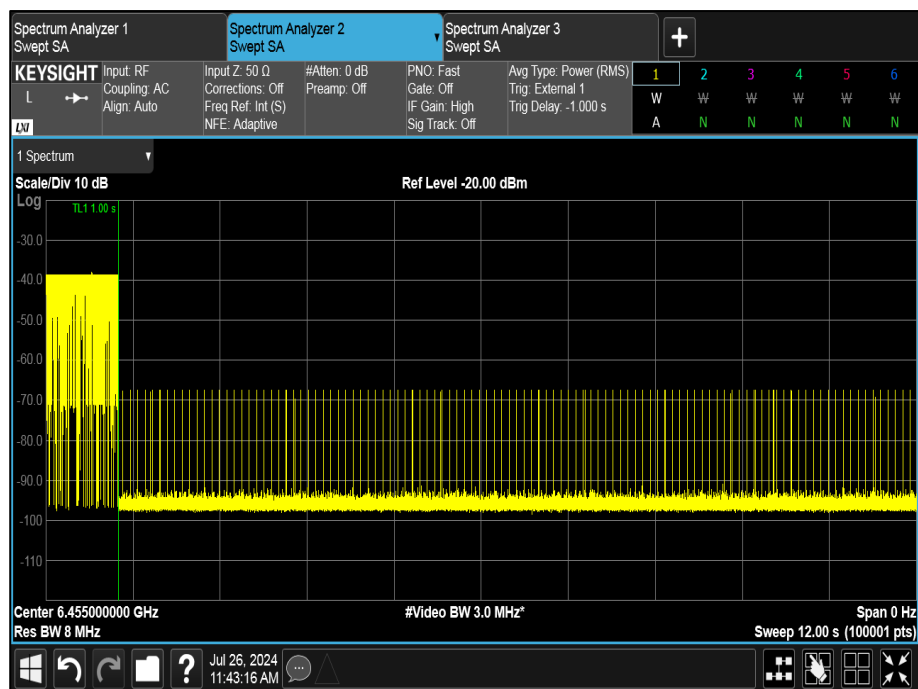


Figure 451 - U-NII-6, Minimum Bandwidth (AWGN Low)



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)	-72.32	-70.53	-67.34
Antenna Gain (dBi)	1.30	1.30	1.30
Adjusted Power (dBm)	-73.62	-71.83	-68.64
Detection Limit (dBm)	-62.0	-62.0	-62.0
EUT Tx Status (OFF/Minimal/ON)	ON	Minimal	OFF

Table 688 - U-NII-6, Maximum Bandwidth (AWGN Mid)

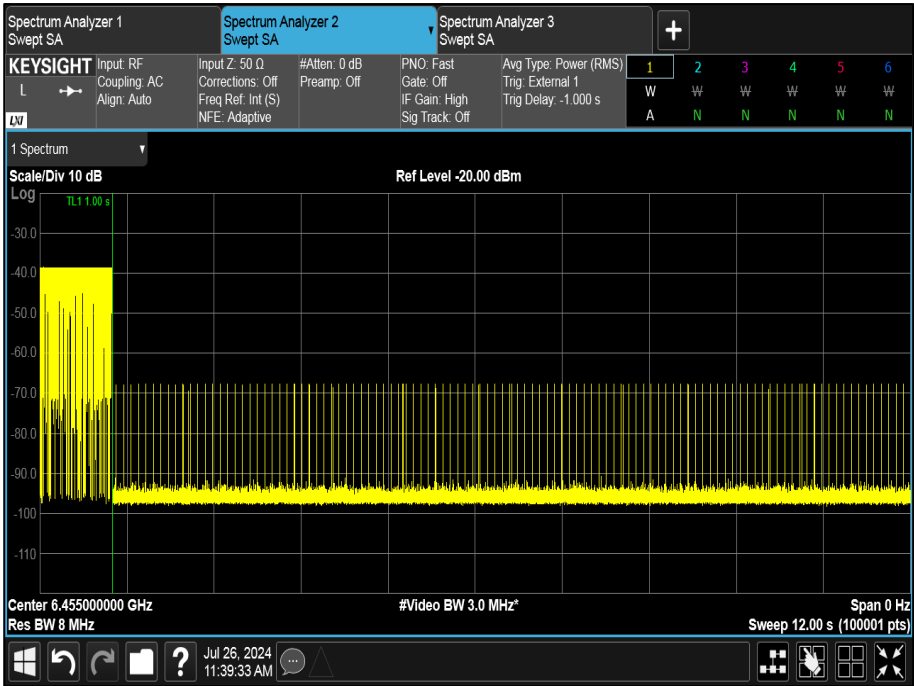


Figure 452 - U-NII-6, Minimum Bandwidth (AWGN Mid)



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)	-68.80	-65.16	-64.66
Antenna Gain (dBi)	1.30	1.30	1.30
Adjusted Power (dBm)	-70.10	-66.46	-65.96
Detection Limit (dBm)	-62.0	-62.0	-62.0
EUT Tx Status (OFF/Minimal/ON)	ON	Minimal	OFF

Table 689 - U-NII-6, Maximum Bandwidth (AWGN High)

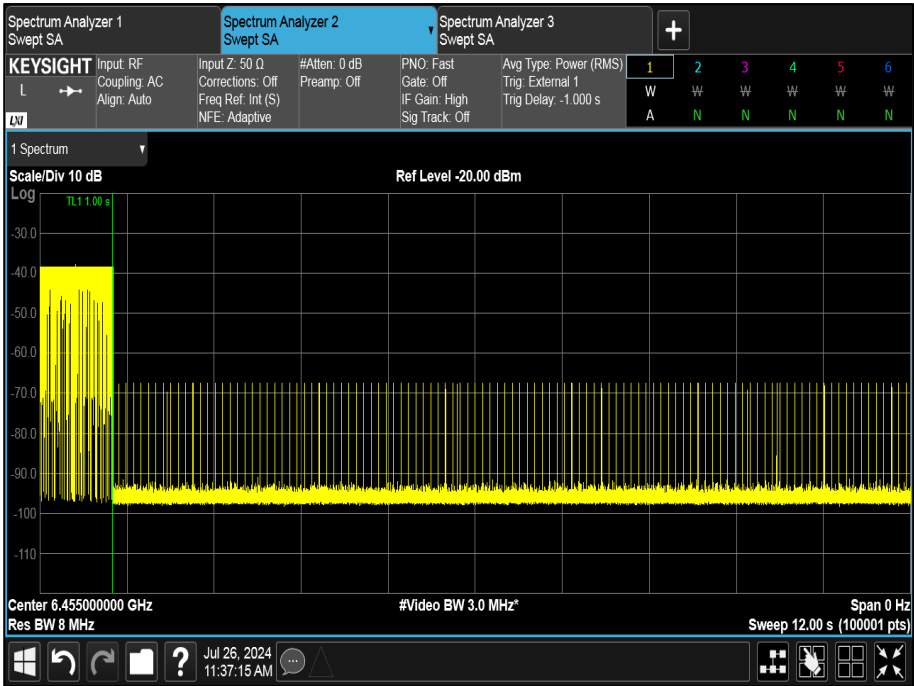


Figure 453 - U-NII-6, Minimum Bandwidth (AWGN High)



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)	-75.51	-73.41	-72.61
Antenna Gain (dBi)	1.30	1.30	1.30
Adjusted Power (dBm)	-76.81	-74.71	-73.91
Detection Limit (dBm)	-62.0	-62.0	-62.0
EUT Tx Status (OFF/Minimal/ON)	ON	Minimal	OFF

Table 690 - U-NII-7, Minimum Bandwidth

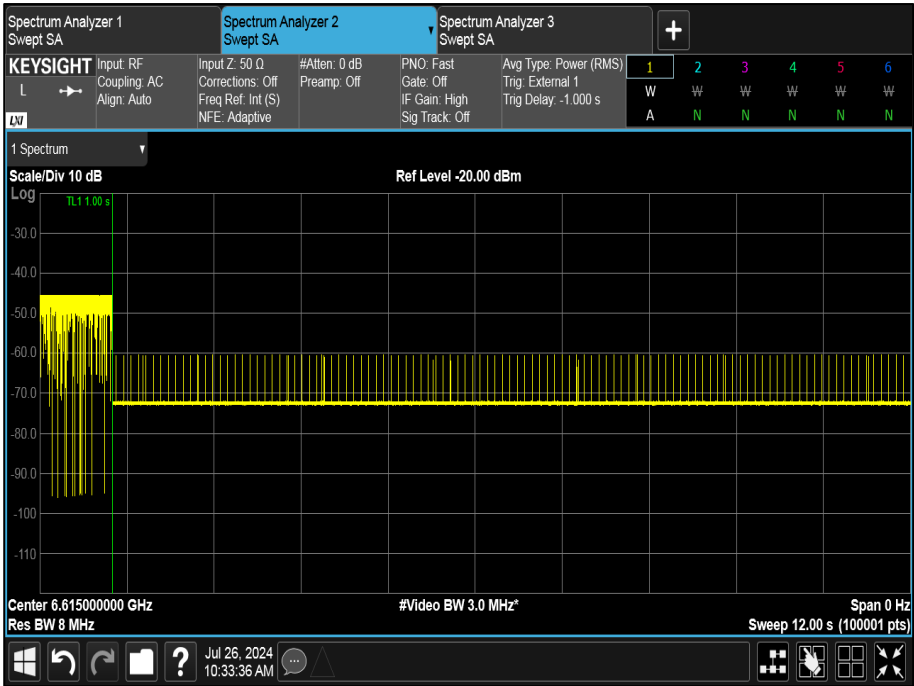


Figure 454 - U-NII-7, Minimum Bandwidth

Table 691 - U-NII-7, Maximum 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)	-71.43	-68.97	-63.85
Antenna Gain (dBi)	1.30	1.30	1.30
Adjusted Power (dBm)	-72.73	-70.27	-65.15
Detection Limit (dBm)	-62.0	-62.0	-62.0
EUT Tx Status (OFF/Minimal/ON)	ON	Minimal	OFF

Table 692 - U-NII-7, Maximum Bandwidth (AWGN Mid)

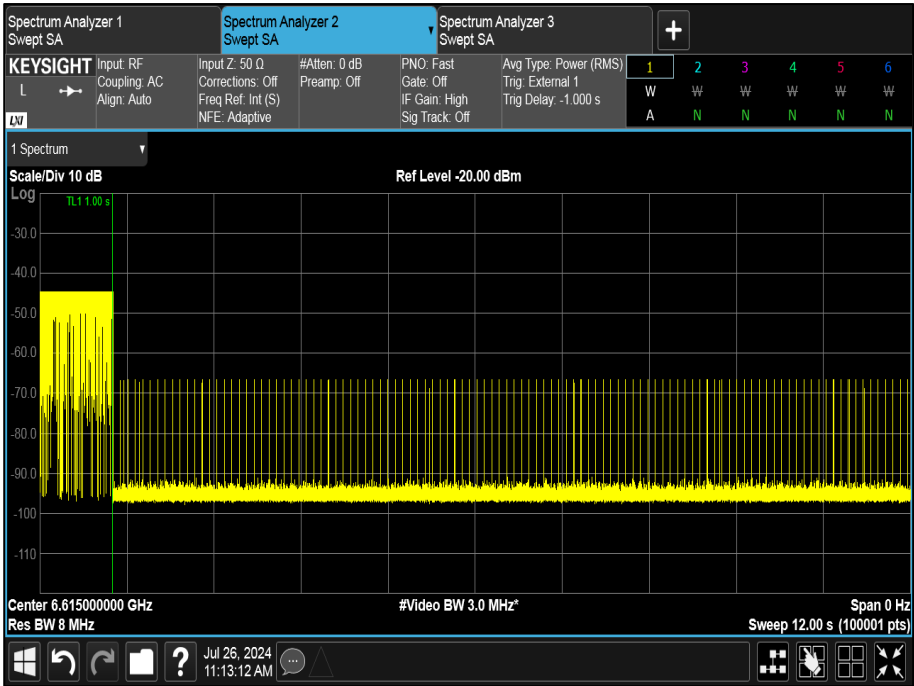


Figure 456 - U-NII-7, Minimum Bandwidth (AWGN Mid)



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)	-67.63	-65.52	-61.73
Antenna Gain (dBi)	1.30	1.30	1.30
Adjusted Power (dBm)	-68.93	-66.82	-63.03
Detection Limit (dBm)	-62.0	-62.0	-62.0
EUT Tx Status (OFF/Minimal/ON)	ON	Minimal	OFF

Table 693 - U-NII-7, Maximum Bandwidth (AWGN High)



Figure 457 - 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)	-72.26	-66.61	-66.41
Antenna Gain (dBi)	1.30	1.30	1.30
Adjusted Power (dBm)	-77.95	-75.16	-74.56
Detection Limit (dBm)	-62.0	-62.0	-62.0
EUT Tx Status (OFF/Minimal/ON)	ON	Minimal	OFF

Table 694 - U-NII-8, Minimum Bandwidth

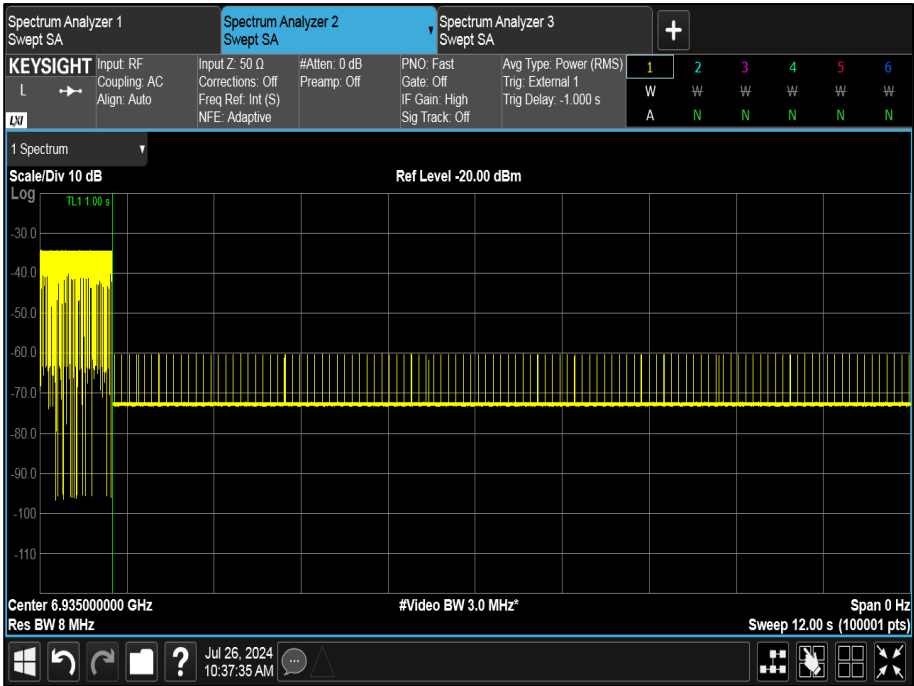


Figure 458 - U-NII-8, Minimum Bandwidth



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)	-72.26	-66.61	-66.41
Antenna Gain (dBi)	1.30	1.30	1.30
Adjusted Power (dBm)	-73.56	-67.91	-67.71
Detection Limit (dBm)	-62.0	-62.0	-62.0
EUT Tx Status (OFF/Minimal/ON)	ON	Minimal	OFF

Table 695 - U-NII-8, Maximum Bandwidth (AWGN Low)

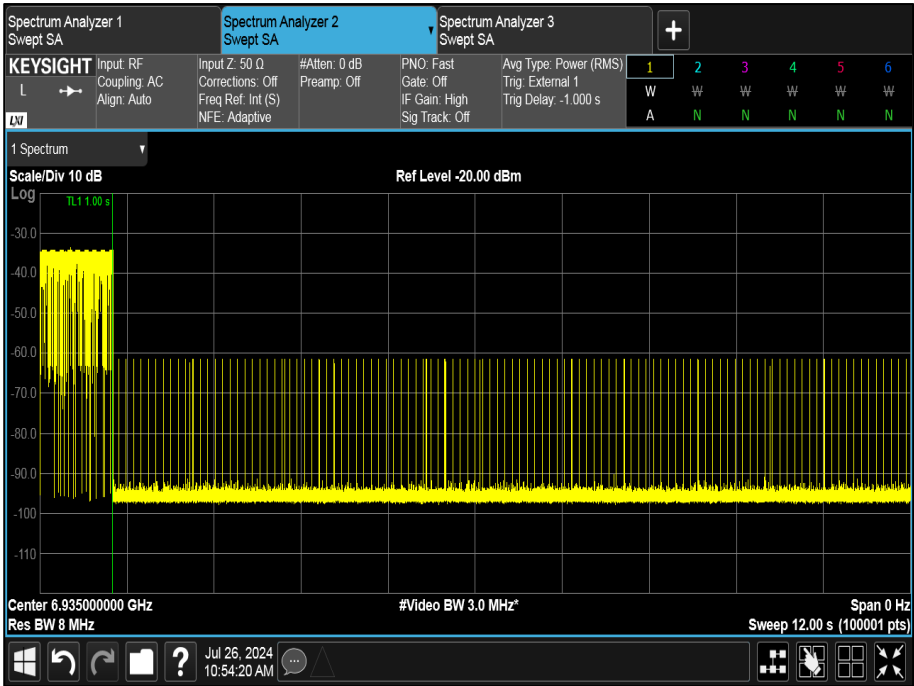


Figure 459 - U-NII-8, Minimum Bandwidth (AWGN Low)



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)	-70.79	-67.51	-66.51
Antenna Gain (dBi)	1.30	1.30	1.30
Adjusted Power (dBm)	-72.09	-68.81	-67.81
Detection Limit (dBm)	-62.0	-62.0	-62.0
EUT Tx Status (OFF/Minimal/ON)	ON	Minimal	OFF

Table 696 - U-NII-8, Maximum Bandwidth (AWGN Mid)

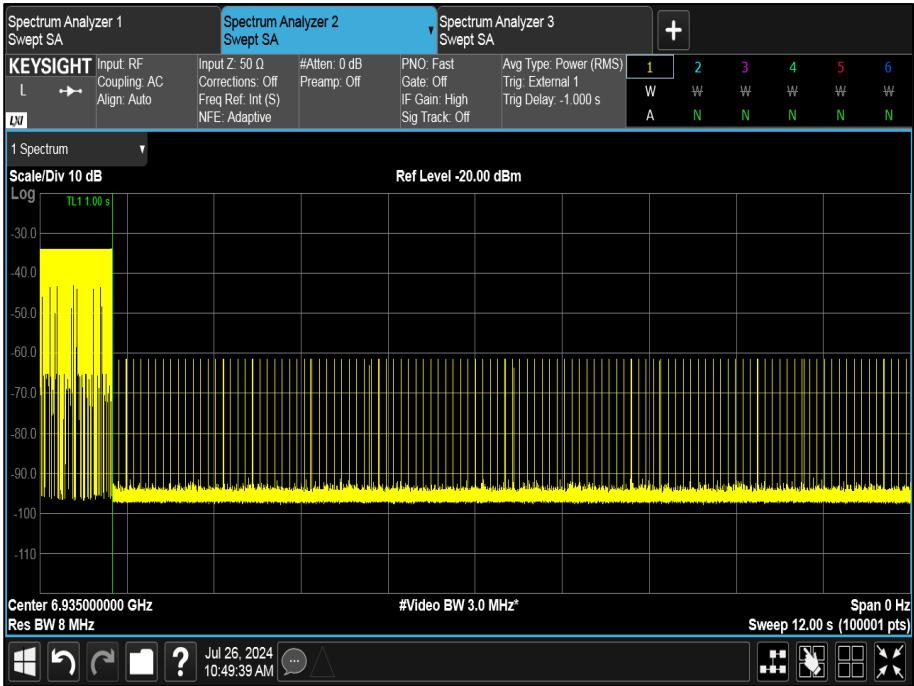


Figure 460 - U-NII-8, Minimum Bandwidth (AWGN Mid)

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)	-67.81	-62.79	-62.40
Antenna Gain (dBi)	1.30	1.30	1.30
Adjusted Power (dBm)	-69.11	-64.09	-63.70
Detection Limit (dBm)	-62.0	-62.0	-62.0
EUT Tx Status (OFF/Minimal/ON)	ON	Minimal	OFF

Table 697 - U-NII-8, Maximum Bandwidth (AWGN High)

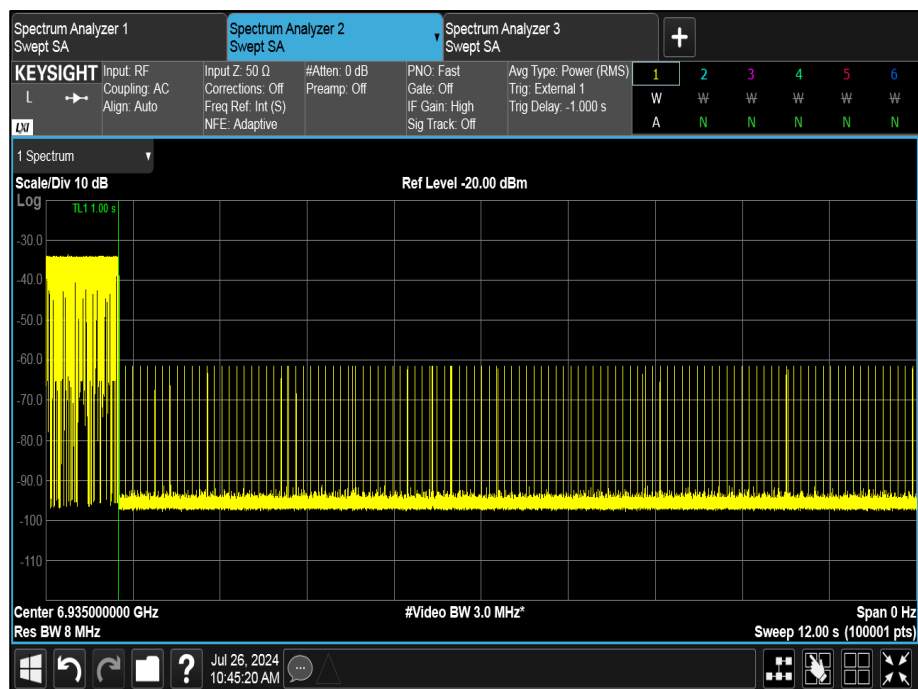


Figure 461 - U-NII-8, Minimum Bandwidth (AWGN High)



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.



2.9.8 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
EXA Signal Analyser	Keysight Technologies	N9010B	4968	24	29-Jan-2026
Cable (K Type 2m)	Junkosha	MWX241-02000KMS	5421	12	07-Mar-2025
3.5 mm 2m Cable	Junkosha	MWX221-02000DMS	5429	12	16-May-2025
WiFi 6E Tri-Band Gaming Router	Asus	GT-AXE110000	5926	-	TU
Cable (K Type 2m)	Junkosha	MWX241-02000KMSKMS/B	5936	12	23-May-2025
Cable (K Type 2m)	Junkosha	MWX241-02000KMSKMS/B	5938	12	23-May-2025
Thermohygrometer	R.S Components	1364	6352	12	13-Jun-2025
Test Coupling Network	TUV SUD	TUV_RxTest_001	6387	12	04-Sep-2024
Vector Signal Generator (7.5GHz)	Rohde & Schwarz	SMM100A	6532	36	11-Apr-2026

Table 698

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
Dual Client Test	± 1.38 dB
Transmit Power Control	± 1.49 dB
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 699

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.