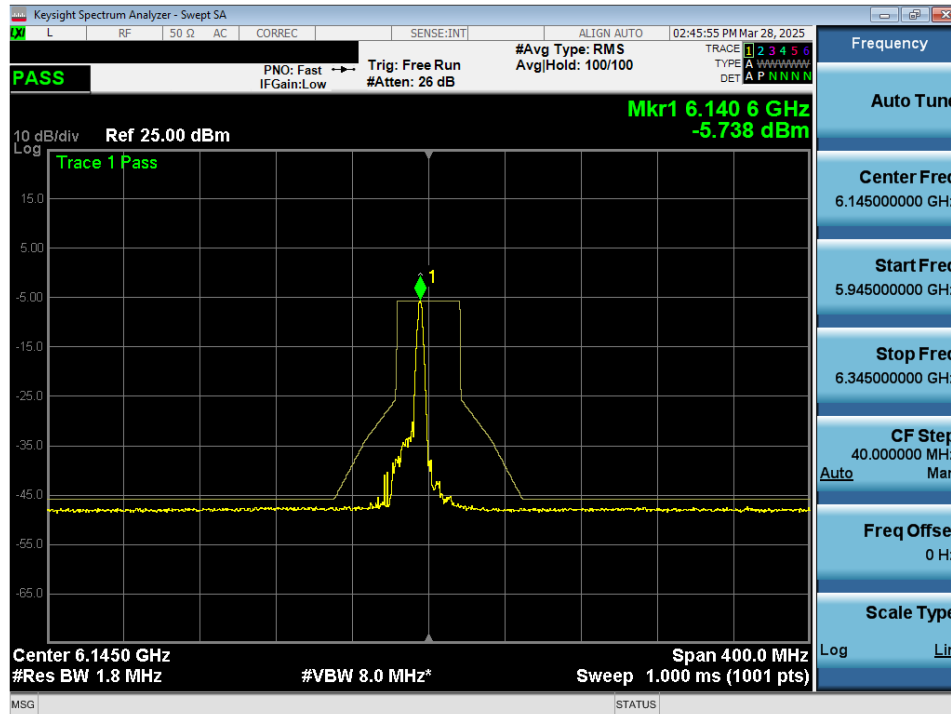
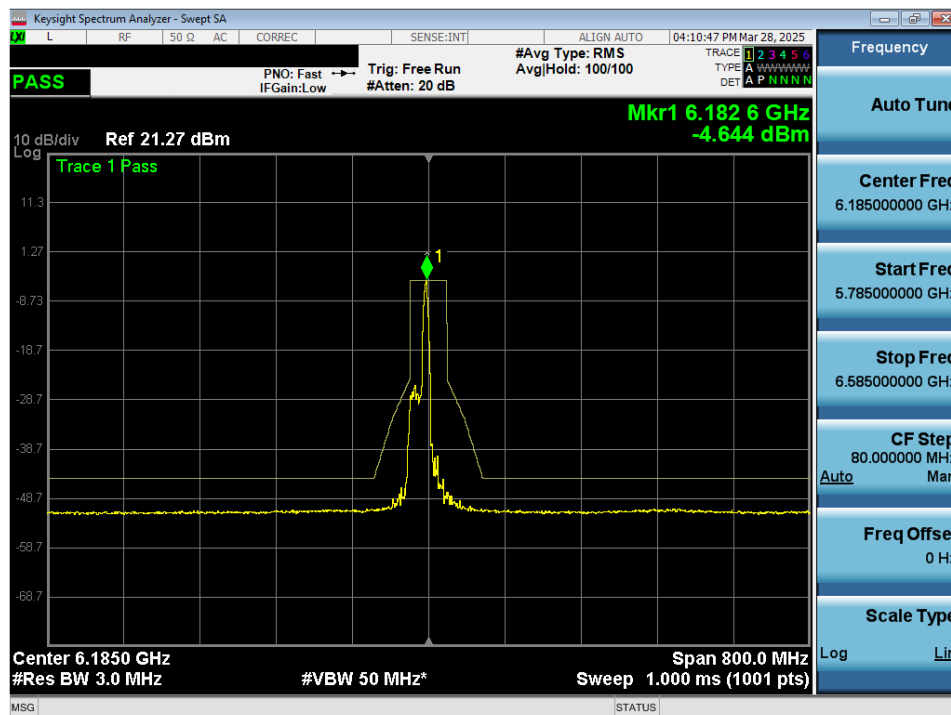


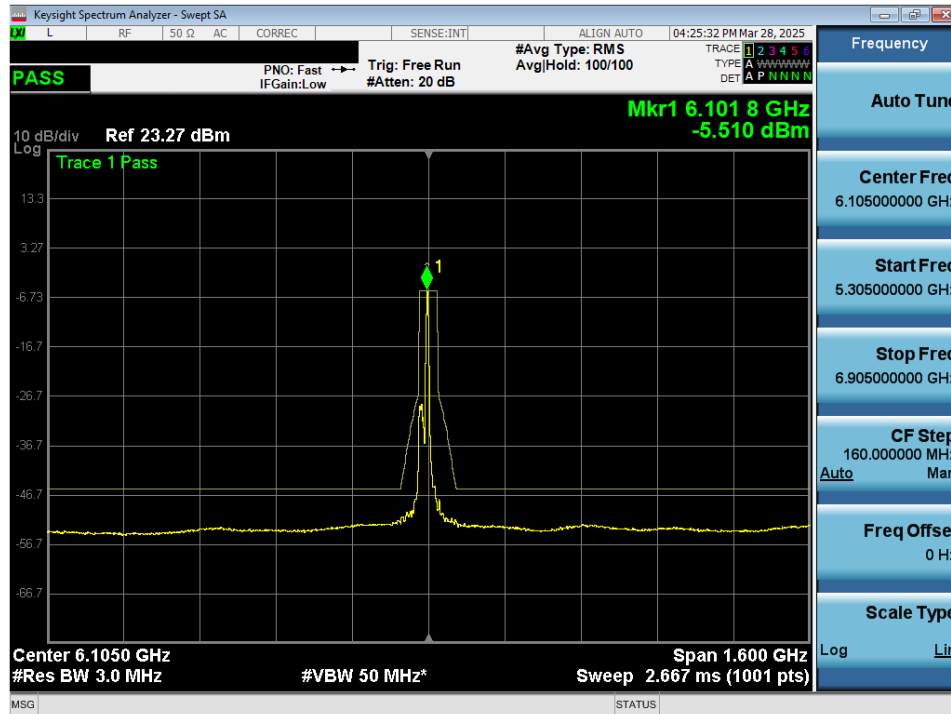


Plot 7-73. In Band Emissions Plot MIMO ANT2 (80MHz 802.11ax/be (26 Tones) (UNII Band 5) – Ch. 39) - VLP

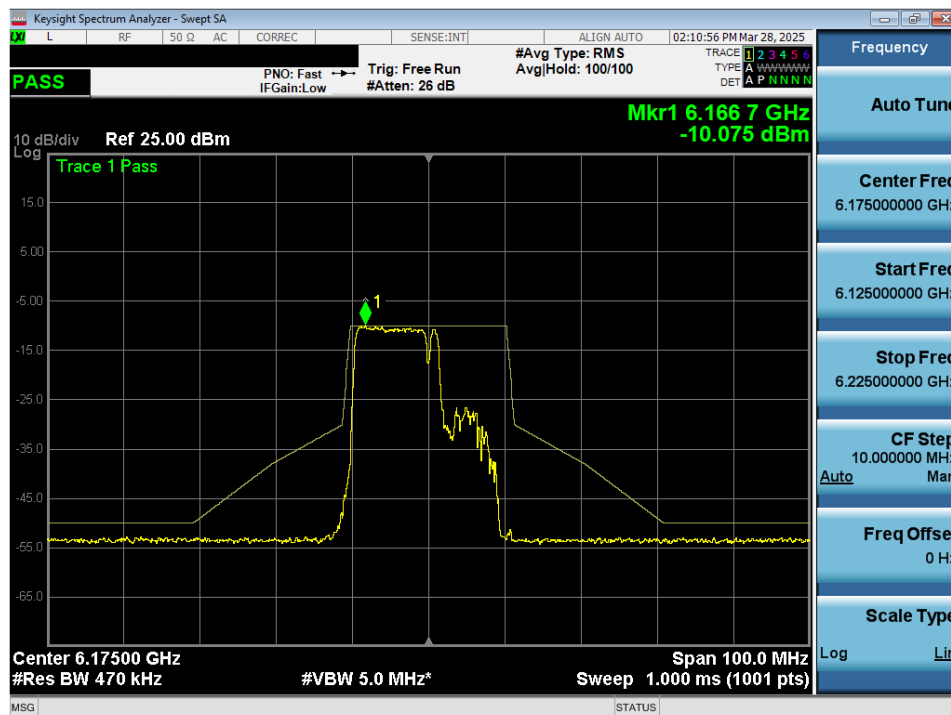


Plot 7-74. In Band Emissions Plot MIMO ANT2 (160MHz 802.11ax/be (26 Tones) (UNII Band 5) – Ch. 47) - VLP

FCC ID: A3LSMF966U IC: 649E-SMF966W	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502210015-25.A3L	Test Dates: 02/24/2025 - 04/11/2025	EUT Type: Portable Handset	Page 79 of 107

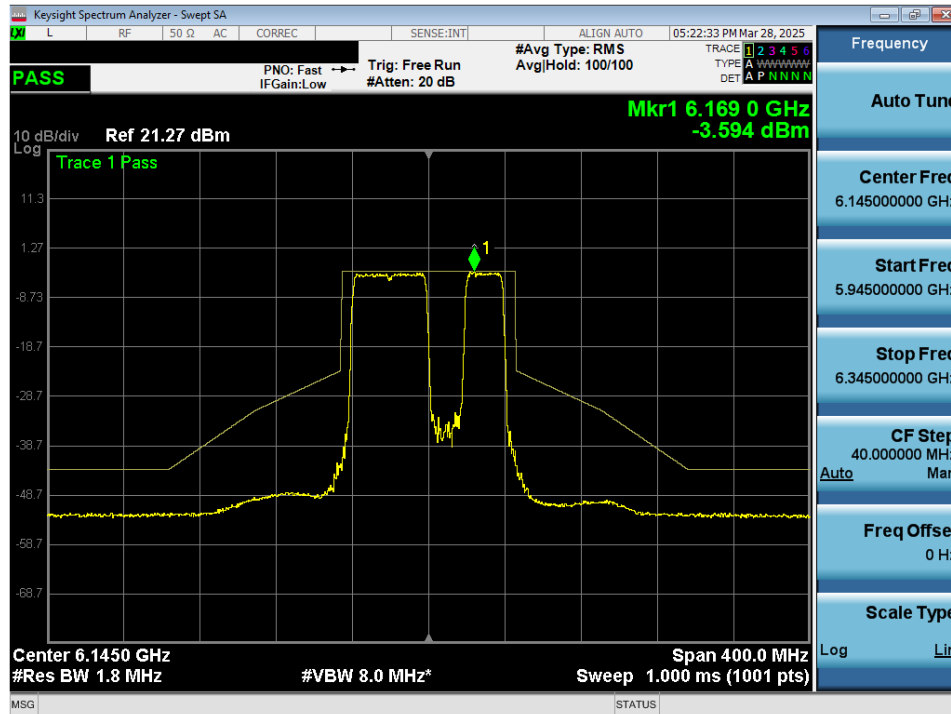


Plot 7-75. In Band Emissions Plot MIMO ANT2 (320MHz 802.11be (26 Tones) (UNII Band 5) – Ch. 31) - VLP

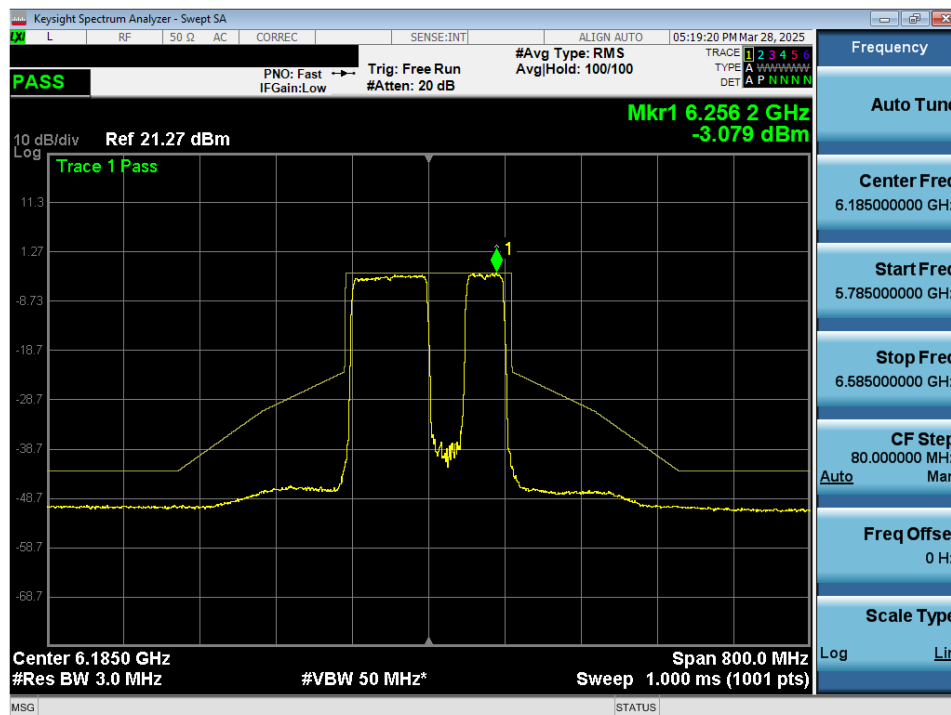


Plot 7-76. In Band Emissions Plot MIMO ANT2 (20MHz 802.11be (106+26 Tones) (UNII Band 5) – Ch. 45) - VLP

FCC ID: A3LSMF966U IC: 649E-SMF966W	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502210015-25.A3L	Test Dates: 02/24/2025 - 04/11/2025	EUT Type: Portable Handset	Page 80 of 107

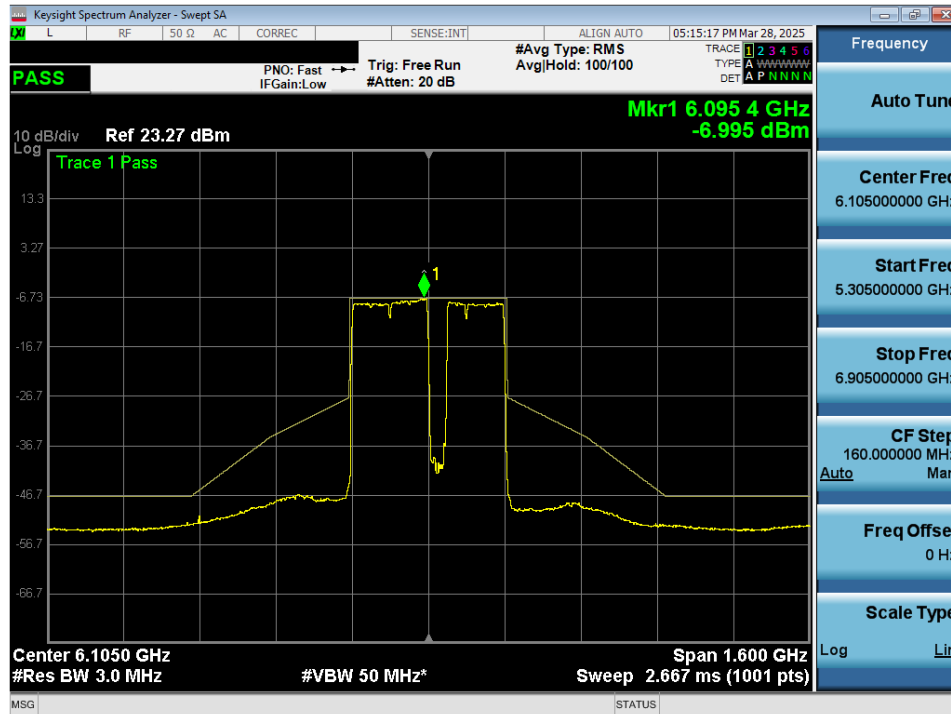


Plot 7-77. In Band Emissions Plot MIMO ANT2 (80MHz 802.11be (484+242 Tones) (UNII Band 5) – Ch. 39) VLP

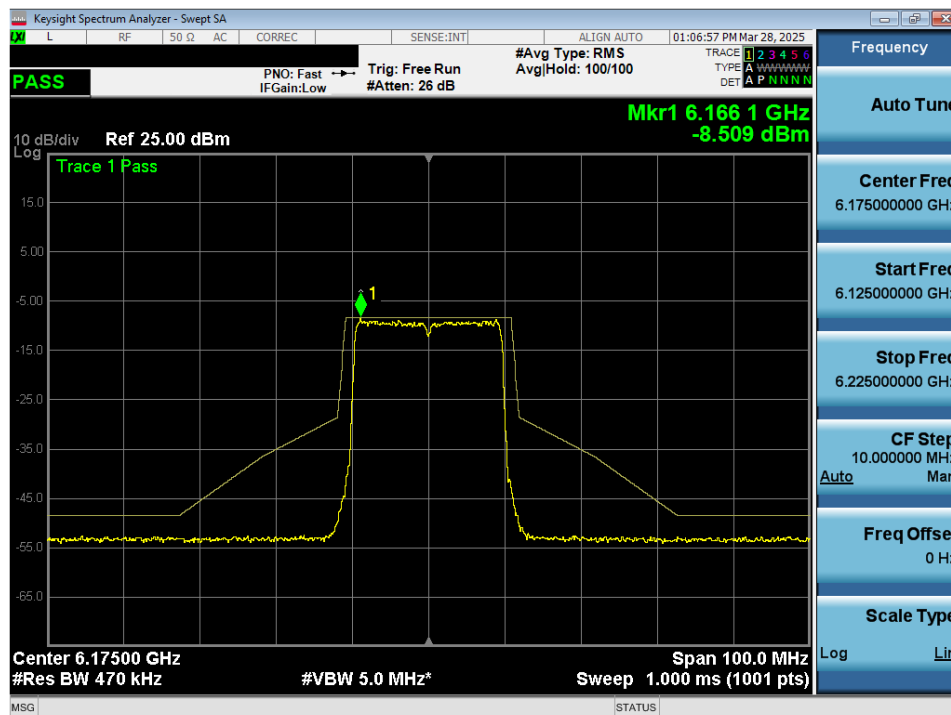


Plot 7-78. In Band Emissions Plot MIMO ANT2 (160MHz 802.11be (996+484 Tones) (UNII Band 5) – Ch. 47) VLP

FCC ID: A3LSMF966U IC: 649E-SMF966W	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502210015-25.A3L	Test Dates: 02/24/2025 - 04/11/2025	EUT Type: Portable Handset	Page 81 of 107

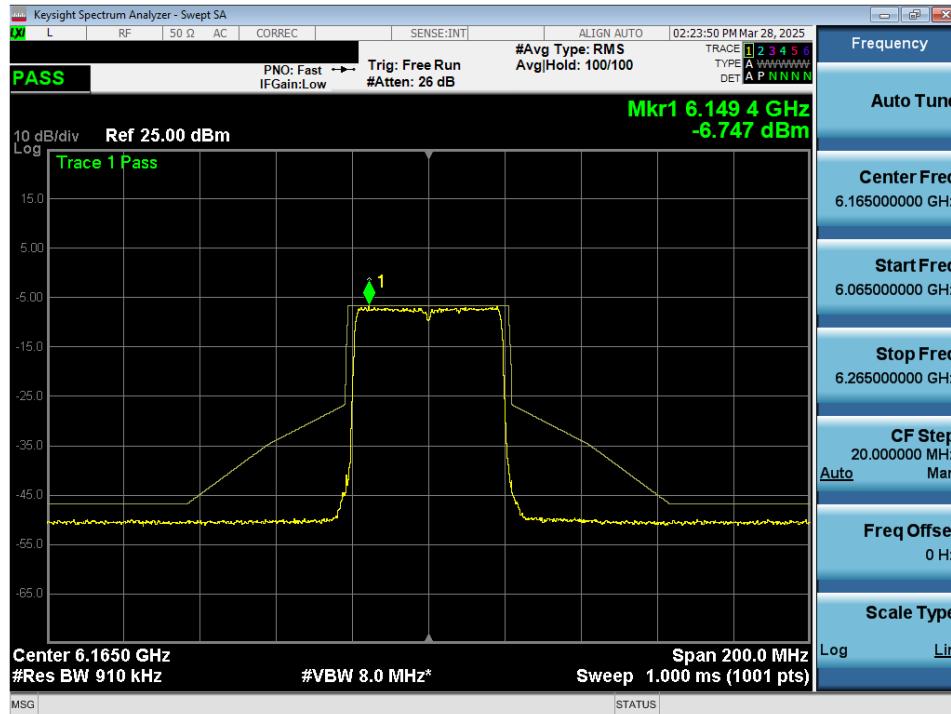


Plot 7-79. In Band Emissions Plot MIMO ANT2 (320MHz 802.11be (3*996+484 Tones) (UNII Band 5) – Ch. 31) VLP

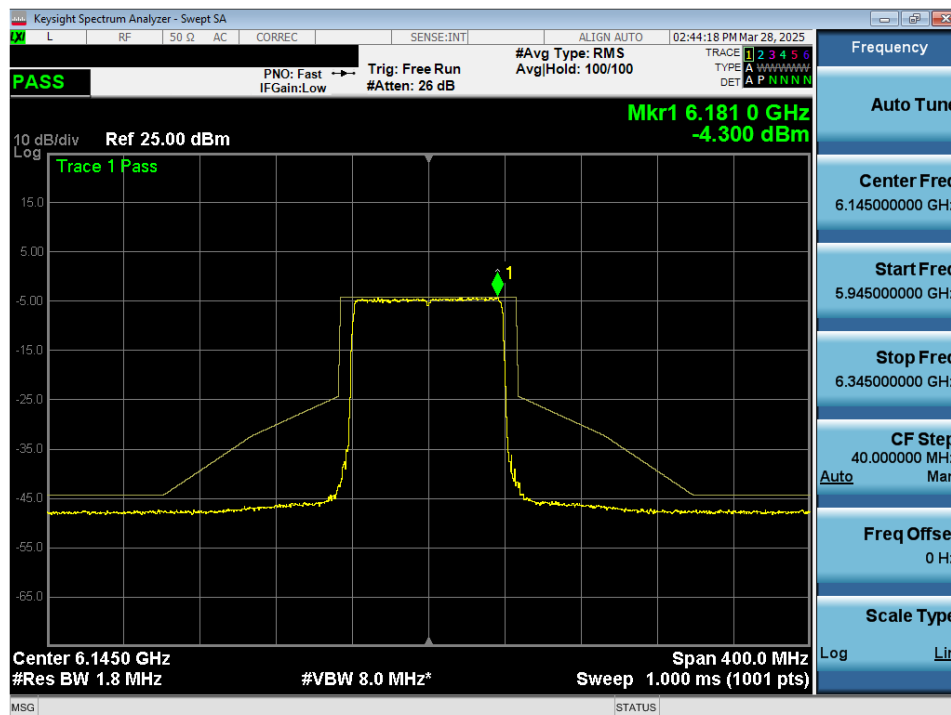


Plot 7-80. In Band Emissions Plot MIMO ANT2 (20MHz 802.11ax/be (Full Tones) (UNII Band 5) – Ch. 45) - VLP

FCC ID: A3LSMF966U IC: 649E-SMF966W	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502210015-25.A3L	Test Dates: 02/24/2025 - 04/11/2025	EUT Type: Portable Handset	Page 82 of 107

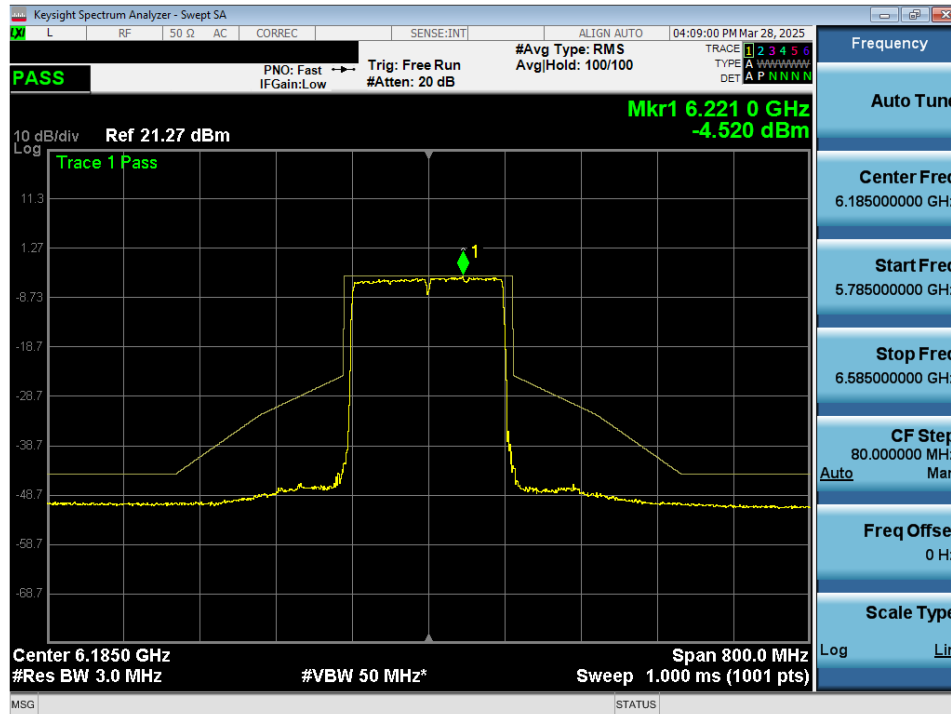


Plot 7-81. In Band Emissions Plot MIMO ANT2 (40MHz 802.11ax/be (Full Tones) (UNII Band 5) – Ch. 43) - VLP

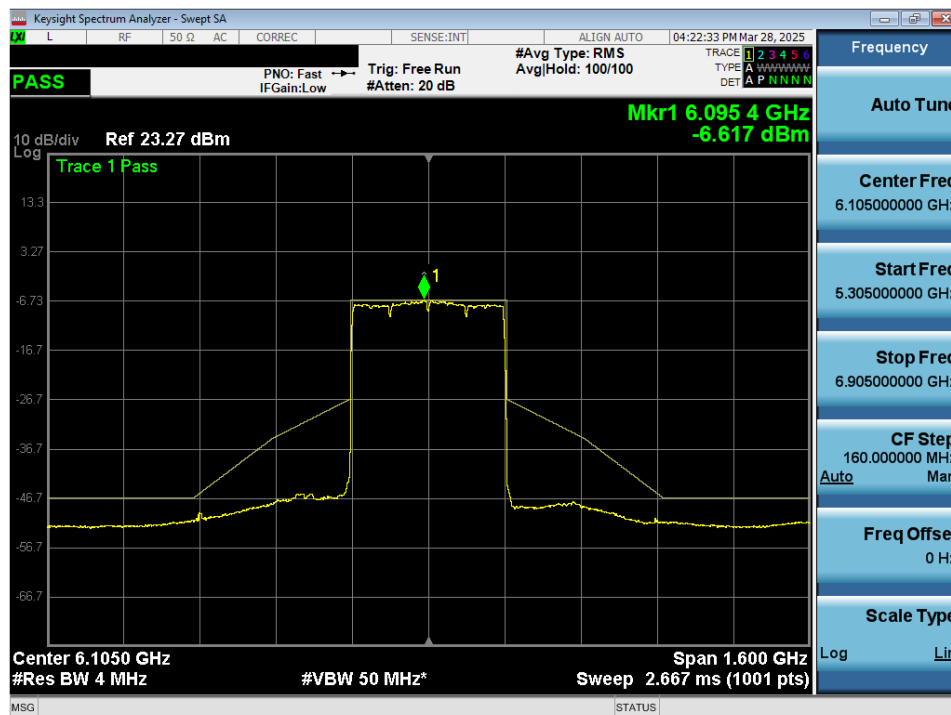


Plot 7-82. In Band Emissions Plot MIMO ANT2 (80MHz 802.11ax/be (Full Tones) (UNII Band 5) – Ch. 39) - VLP

FCC ID: A3LSMF966U IC: 649E-SMF966W	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502210015-25.A3L	Test Dates: 02/24/2025 - 04/11/2025	EUT Type: Portable Handset	Page 83 of 107



Plot 7-83. In Band Emissions Plot MIMO ANT2 (160MHz 802.11ax/be (Full Tones) (UNII Band 5) – Ch. 47) - VLP



Plot 7-84. In Band Emissions Plot MIMO ANT2 (320MHz 802.11be (Full Tones) (UNII Band 5) – Ch. 31) - VLP

FCC ID: A3LSMF966U IC: 649E-SMF966W	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502210015-25.A3L	Test Dates: 02/24/2025 - 04/11/2025	EUT Type: Portable Handset	Page 84 of 107

7.6 Radiated Emission Measurements

Test Overview and Limit

All out of band radiated spurious emissions are measured with a spectrum analyzer connected to a receive antenna while the EUT is operating at its maximum duty cycle, at its maximum power control level, as defined in ANSI C63.10-2013, and at the appropriate frequencies. All channels, modes (e.g. 802.11ax (20/40/80/160/320MHz)), and modulations/data rates were investigated among all UNII bands. Only the radiated emissions of the configuration that produced the worst case emissions are reported in this section.

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

Emissions found in a restricted band are subject to the limits of 15.209 as shown in the table below.

Frequency	Field Strength [$\mu\text{V/m}$]	Measured Distance [Meters]
0.009 – 0.490 MHz	2400/F (kHz)	300
0.490 – 1.705 MHz	24000/F (kHz)	30
1.705 – 30.00 MHz	30	30
30.00 – 88.00 MHz	100	3
88.00 – 216.0 MHz	150	3
216.0 – 960.0 MHz	200	3
Above 960.0 MHz	500	3

Table 7-56. Radiated Limits

Test Procedures Used

ANSI C63.10-2013 – Sections 12.7.7.2, 12.7.6, 12.7.5

Test Settings – Above 1GHz

Average Field Strength Measurements (Method AD – Average Detection)

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest.
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = power average (RMS)
5. Number of measurement points = 1001 (Number of points must be $\geq 2 \times \text{span/RBW}$)
6. Sweep time = auto
7. Trace (RMS) averaging was performed over at least 100 traces.

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Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest.
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize.

Test Settings – Below 1GHz

Quasi-Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest.
2. RBW = 120kHz (for emissions from 30MHz – 1GHz)
3. Detector = quasi-peak
4. Sweep time = auto couple
5. Trace mode = max hold
6. Trace was allowed to stabilize.

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

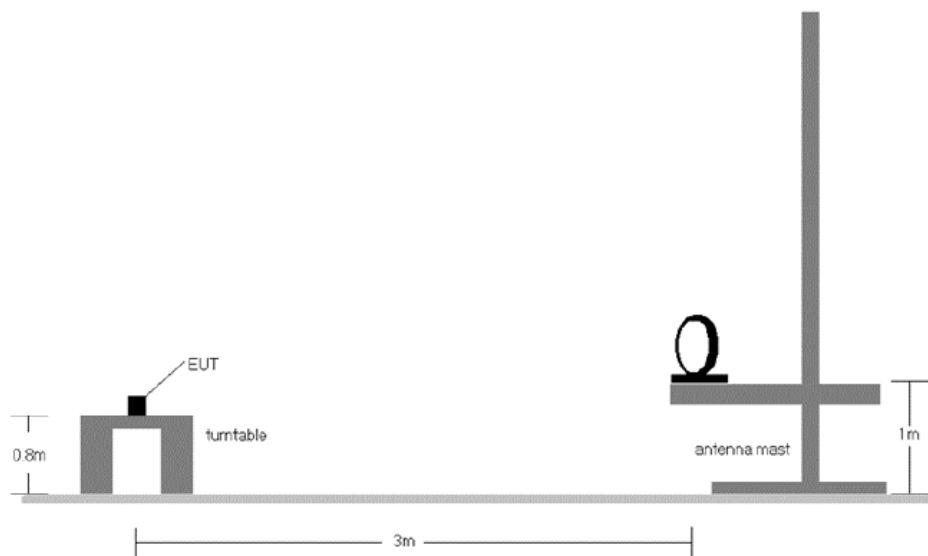


Figure 7-5. Radiated Test Setup < 30MHz

FCC ID: A3LSMF966U IC: 649E-SMF966W	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502210015-25.A3L	Test Dates: 02/24/2025 - 04/11/2025	EUT Type: Portable Handset	Page 86 of 107

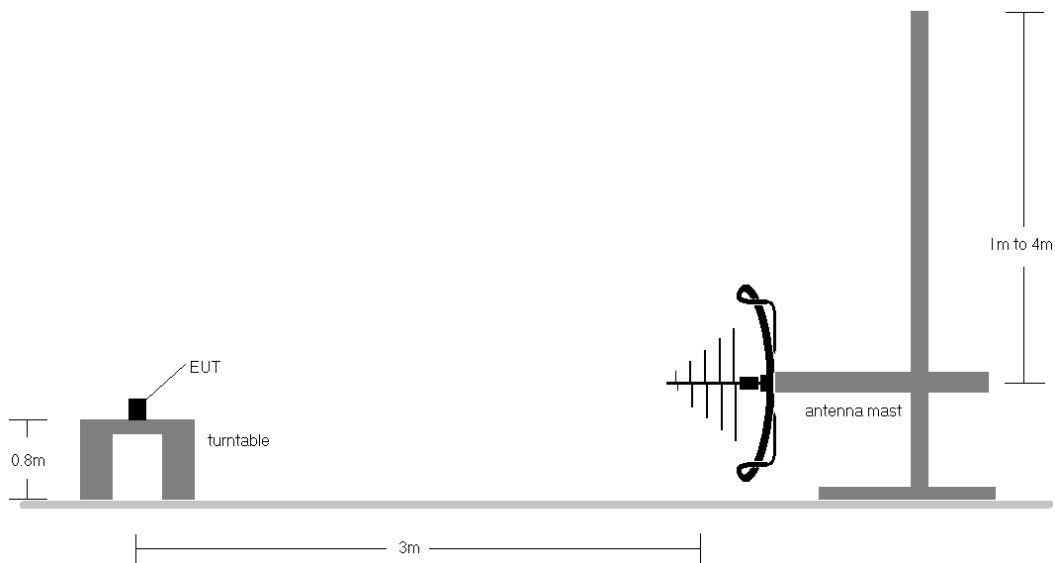


Figure 7-6. Radiated Test Setup < 1GHz

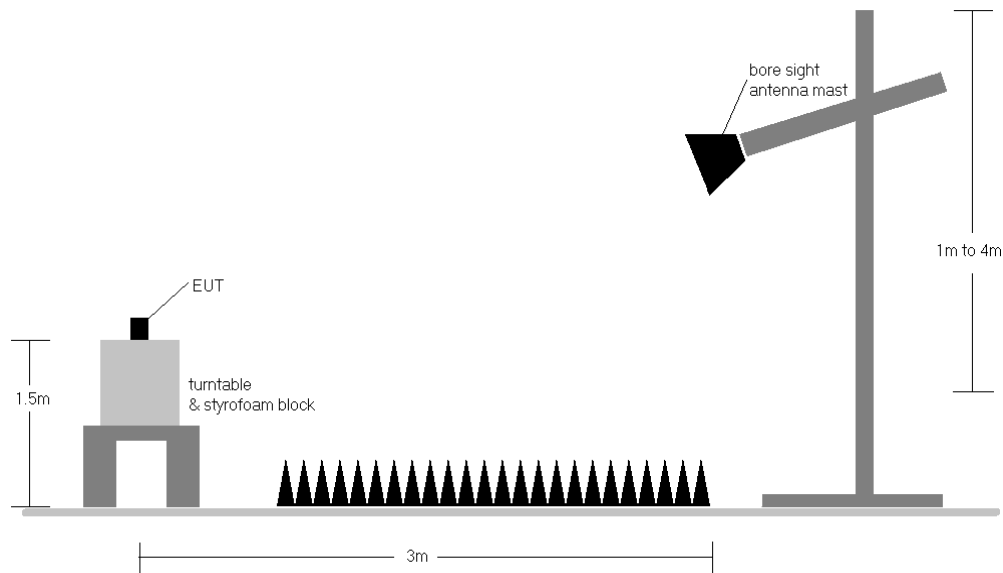


Figure 7-7. Radiated Test Setup > 1GHz

FCC ID: A3LSMF966U IC: 649E-SMF966W	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502210015-25.A3L	Test Dates: 02/24/2025 - 04/11/2025	EUT Type: Portable Handset	Page 87 of 107

Test Notes

1. All spurious emissions lying in restricted bands specified in §15.205 are below the limit shown in §15.209. All spurious emissions that do not lie in a restricted band are subject to an average limit of -27dBm/MHz. At 3 meters, the field strength limit in dB μ V/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dB μ V/m.
2. All spurious emissions that do not lie in a restricted band are subject to a peak limit not to exceed 20dB of the average limit [68.2dB μ V/m]. If a peak measurement passes the average limit, it was determined no further investigation is necessary.
3. The antenna is manipulated through typical positions, polarity, and length during the tests. The EUT is manipulated through three orthogonal planes.
4. This unit was tested with its standard battery.
5. The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter using CISPR quasi peak detector below 1GHz. Above 1 GHz, average and peak measurements were taken using linearly polarized horn antennas. The worst-case emissions are reported, however emissions whose levels were not within 20dB of the respective limits were not reported.
6. Emissions below 18GHz were measured at a 3-meter test distance while emissions above 18GHz were measured at a 1-meter test distance with the application of a distance correction factor.
7. The wide spectrum spurious emissions plots shown on the following pages are used only for the purpose of emission identification. Any emissions found to be within 20dB of the limit are fully investigated and the results are shown in this section.
8. The “-” shown in the following RSE tables are used to denote a noise floor measurement.
9. For radiated measurements, emissions were investigated for the fully-loaded RU configuration and for all of the partially-loaded RU configurations. Among all of the available partially-loaded RU configurations, only the configuration with the worst case emissions is reported.

Sample Calculations

Determining Spurious Emissions Levels

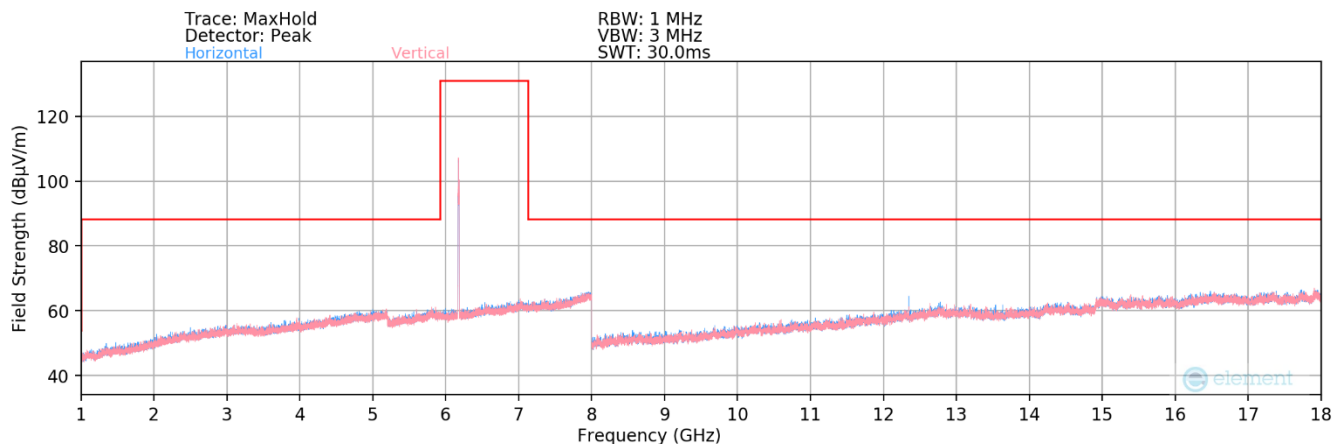
- Field Strength Level [dB μ V/m] = Analyzer Level [dBm] + 107 + AFCL [dB/m]
- AFCL [dB/m] = Antenna Factor [dB/m] + Cable Loss [dB]
- Margin [dB] = Field Strength Level [dB μ V/m] – Limit [dB μ V/m]

Radiated Band Edge Measurement Offset

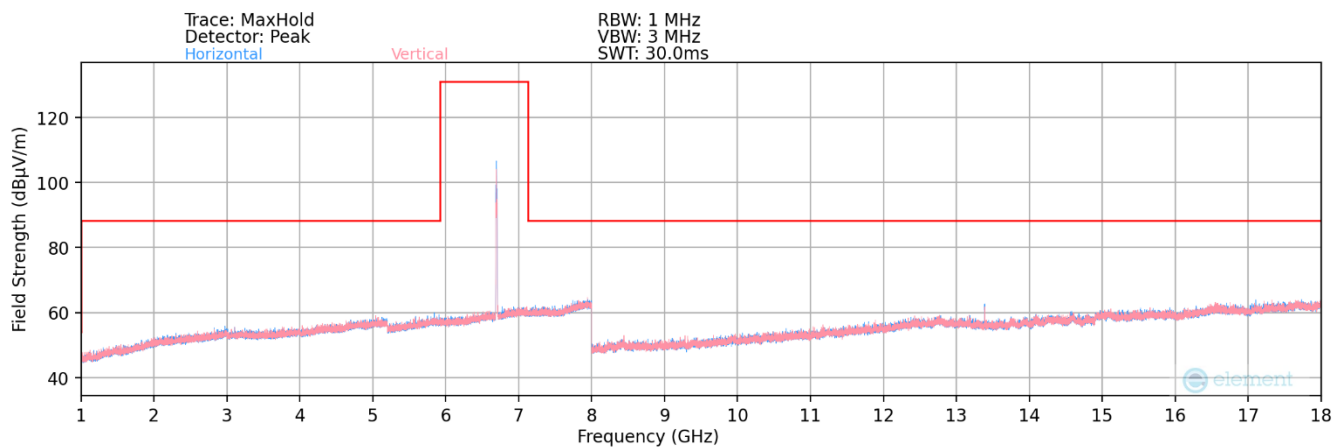
- The amplitude offset shown in the radiated restricted band edge plots was calculated using the formula:
Offset (dB) = (Antenna Factor + Cable Loss + Attenuator) – Preamplifier Gain

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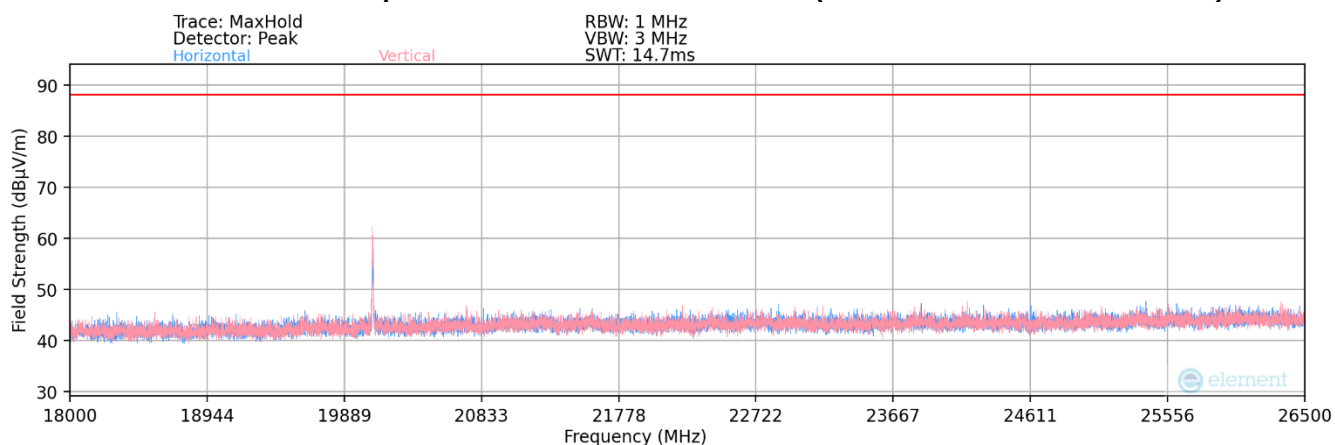
7.6.1 MIMO Radiated Spurious Emission Measurements (26 Tones)



Plot 7-85. Radiated Spurious Plot 1GHz – 18GHz MIMO (802.11ax – UNII Band 5 Ch. 45)

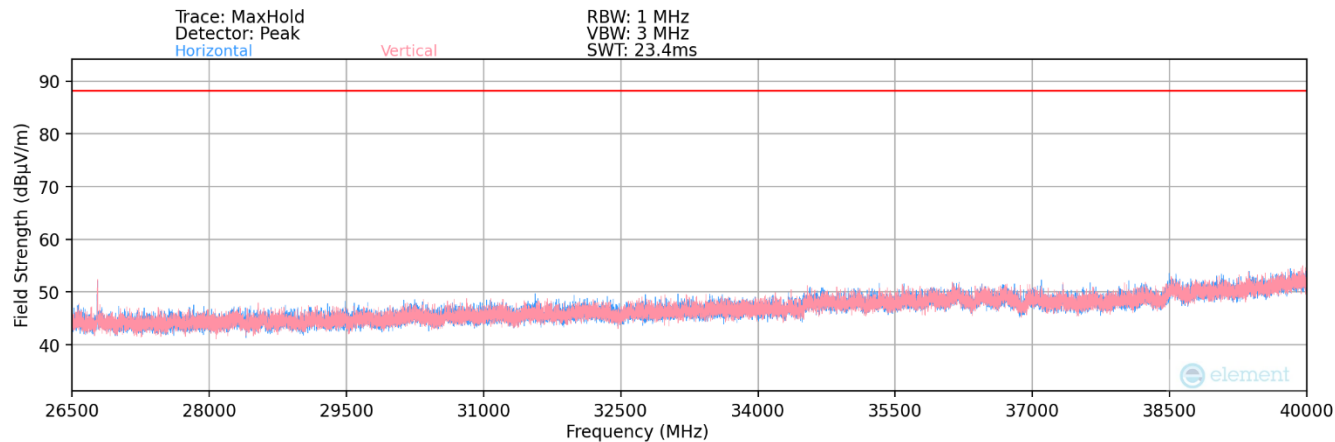


Plot 7-86. Radiated Spurious Plot 1GHz – 18GHz MIMO (802.11ax – UNII Band 7 Ch. 149)



Plot 7-87. Radiated Spurious Plot 18GHz - 26.5GHz (802.11ax) – Ch. 149

FCC ID: A3LSMF966U IC: 649E-SMF966W	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502210015-25.A3L	Test Dates: 02/24/2025 - 04/11/2025	EUT Type: Portable Handset	Page 89 of 107



Plot 7-88. Radiated Spurious Plot 26.5GHz - 40GHz (802.11ax) – Ch. 149

FCC ID: A3LSMF966U IC: 649E-SMF966W	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502210015-25.A3L	Test Dates: 02/24/2025 - 04/11/2025	EUT Type: Portable Handset	Page 90 of 107

7.6.1.1 MIMO Radiated Spurious Emission Measurements (26 Tones) – UNII Band 5

Mode	Antenna	UNII Band	Channel	Test Channel Freq.	RU Index	Restricted	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degrees]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
802.11be RU 26T	MIMO	5	2	5935	4	*	11870.00	Average	H	178	21	-79.65	18.86	0.00	46.21	53.98	-7.77
						*	11870.00	Peak	H	178	21	-68.27	18.86	0.00	57.59	73.98	-16.39
						*	17805.00	Average	H	-	-	-83.16	26.16	0.00	50.00	53.98	-3.98
						*	17805.00	Peak	H	-	-	-72.44	26.16	0.00	60.72	73.98	-13.26
						*	23740.00	Average	V	-	-	-67.44	3.58	-9.54	33.60	53.98	-20.38
						*	23740.00	Peak	V	-	-	-56.68	3.58	-9.54	44.36	73.98	-29.62
			45	6175	4		29675.00	Peak	V	-	-	-57.63	5.33	-9.54	45.16	68.20	-23.04
						*	12350.00	Average	H	176	3	-78.35	19.23	0.00	47.88	53.98	-6.10
						*	12350.00	Peak	H	176	3	-64.25	19.23	0.00	61.98	73.98	-12.00
						*	18525.00	Average	V	-	350	-56.17	1.16	-9.54	42.45	53.98	-11.53
						*	18525.00	Peak	V	-	350	-43.74	1.16	-9.54	54.88	73.98	-19.10
						*	24700.00	Peak	V	-	350	-52.88	3.72	-9.54	48.30	68.20	-19.90
			93	6415	4		30875.00	Peak	V	-	-	-57.47	6.32	-9.54	46.32	68.20	-21.88
							12830.00	Peak	H	178	72	-62.19	20.14	0.00	64.95	68.20	-3.25
						*	19245.00	Average	V	-	350	-53.82	1.84	-9.54	45.48	53.98	-8.50
						*	19245.00	Peak	V	-	350	-41.96	1.84	-9.54	57.34	73.98	-16.64
							25660.00	Peak	V	-	350	-55.81	3.90	-9.54	45.55	68.20	-22.65
							32075.00	Peak	V	-	-	-56.70	6.64	-9.54	47.40	68.20	-20.80

Table 7-57. Radiated Measurements MIMO (26 Tones)

FCC ID: A3LSMF966U IC: 649E-SMF966W	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502210015-25.A3L	Test Dates: 02/24/2025 - 04/11/2025	EUT Type: Portable Handset	Page 91 of 107

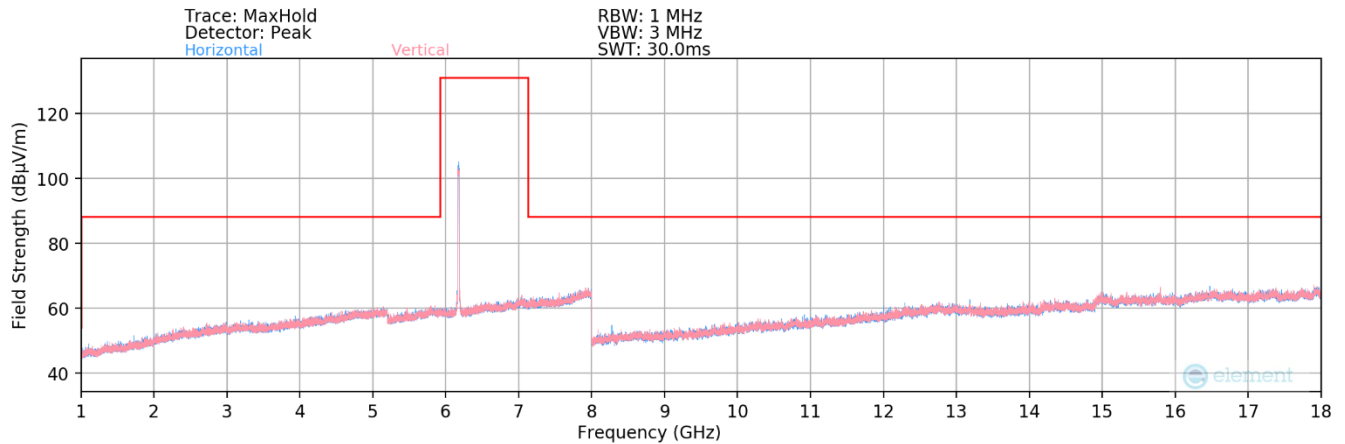
7.6.1.2 MIMO Radiated Spurious Emission Measurements (26 Tones) – UNII Band 7

Mode	Antenna	UNII Band	Channel	Test Channel Name	RU Index	Restricted	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degrees]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
802.11be RU 26T	MIMO	7	117	6535	4		13070.00	Peak	H	222	17	-62.35	20.29	0.00	64.94	68.20	-3.26
						*	19605.00	Average	V	-	340	-50.51	2.38	-9.54	49.32	53.98	-4.65
						*	19605.00	Peak	V	-	340	-36.99	2.38	-9.54	62.84	73.98	-11.14
							26140.00	Peak	V	-	335	-50.62	4.03	-9.54	50.87	68.20	-17.33
							32675.00	Peak	V	-	-	-57.27	6.46	-9.54	46.65	68.20	-21.55
			149	6695	4	*	13390.00	Average	H	136	325	-77.54	20.77	0.00	50.23	53.98	-3.75
						*	13390.00	Peak	H	136	325	-62.94	20.77	0.00	64.83	73.98	-9.15
						*	20085.00	Average	V	-	350	-52.49	2.58	-9.54	47.55	53.98	-6.43
						*	20085.00	Peak	V	-	350	-38.96	2.58	-9.54	61.08	73.98	-12.90
							26780.00	Peak	V	-	340	-46.80	4.33	-9.54	54.99	68.20	-13.21
			185	6875	4		33475.00	Peak	V	-	-	-57.27	6.96	-9.54	47.15	68.20	-21.05
							13750.00	Peak	H	121	76	-63.71	21.34	0.00	64.63	68.20	-3.57
						*	20625.00	Average	V	-	325	-49.96	3.01	-9.54	50.50	53.98	-3.48
						*	20625.00	Peak	V	-	325	-38.57	3.01	-9.54	61.89	73.98	-12.09
							27500.00	Peak	V	-	350	-52.51	3.97	-9.54	48.92	68.20	-19.28
							34375.00	Peak	V	-	-	-57.50	7.33	-9.54	47.29	68.20	-20.91

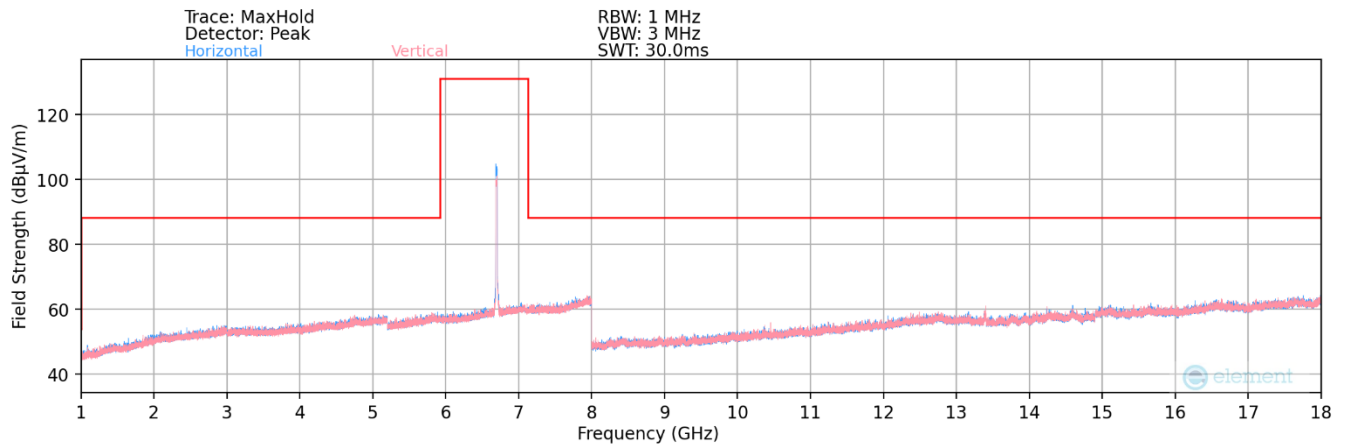
Table 7-58. Radiated Measurements MIMO (26 Tones)

FCC ID: A3LSMF966U IC: 649E-SMF966W	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502210015-25.A3L	Test Dates: 02/24/2025 - 04/11/2025	EUT Type: Portable Handset	Page 92 of 107

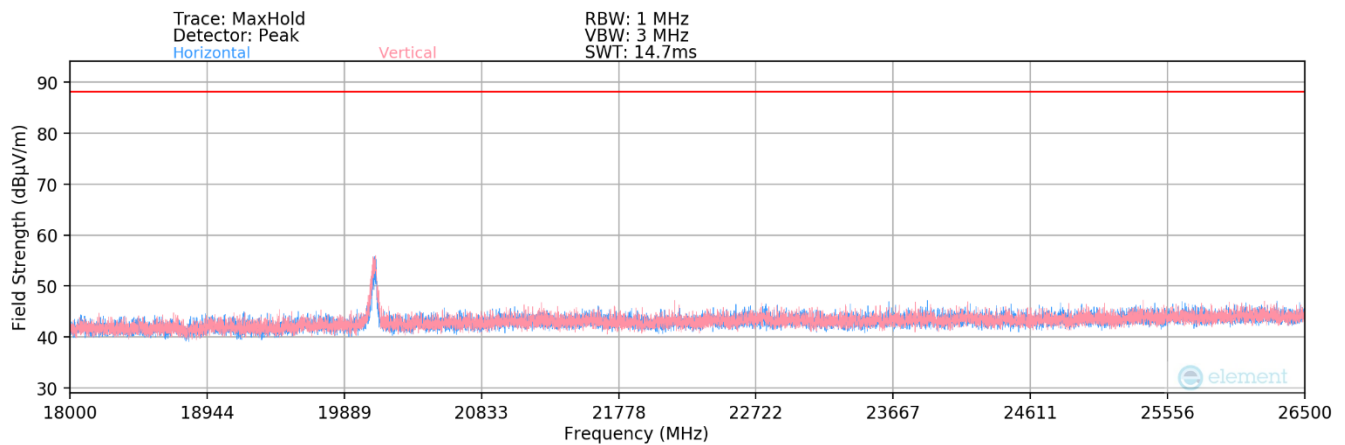
7.6.2 MIMO Radiated Spurious Emission Measurements (242 Tones)



Plot 7-89. Radiated Spurious Plot 1GHz – 18GHz MIMO (802.11ax – UNII Band 5 Ch. 45)

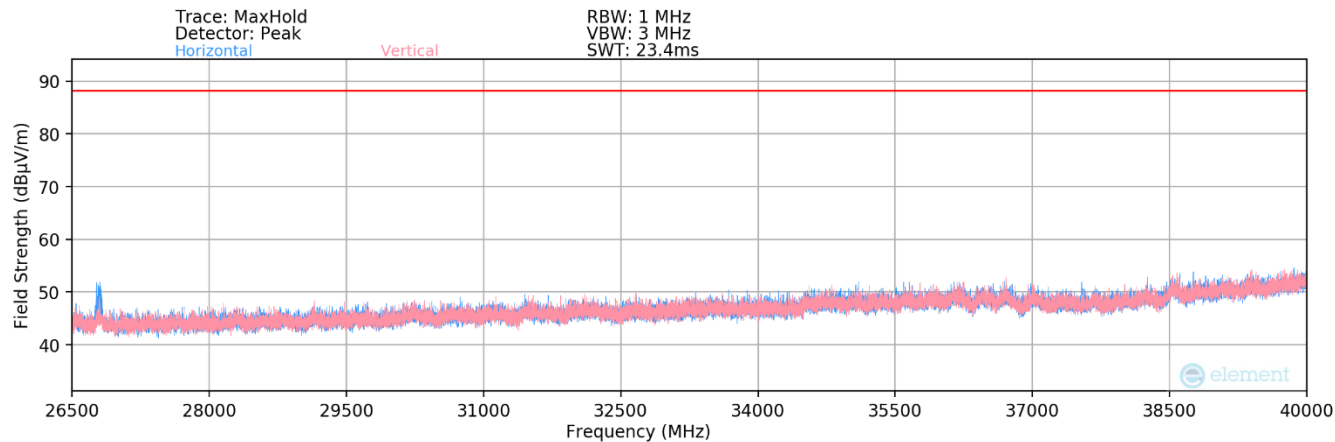


Plot 7-90. Radiated Spurious Plot 1GHz – 18GHz MIMO (802.11ax – UNII Band 7 Ch. 149)



Plot 7-91. Radiated Spurious Plot 18GHz - 26.5GHz (802.11ax) – Ch. 149

FCC ID: A3LSMF966U IC: 649E-SMF966W	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502210015-25.A3L	Test Dates: 02/24/2025 - 04/11/2025	EUT Type: Portable Handset	Page 93 of 107



Plot 7-92. Radiated Spurious Plot 26.5GHz - 40GHz (802.11ax) – Ch. 149

FCC ID: A3LSMF966U IC: 649E-SMF966W	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502210015-25.A3L	Test Dates: 02/24/2025 - 04/11/2025	EUT Type: Portable Handset	Page 94 of 107

7.6.2.1 MIMO Radiated Spurious Emission Measurements (242 Tones) – UNII Band 5

Mode	Antenna	UNII Band	Channel	Test Channel Freq. [MHz]	RU Index	Restricted	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
802.11be RU 242T	MIMO	5	2	5935	61	*	11870.00	Average	H	178	21	-80.68	18.86	0.00	45.18	53.98	-8.80
						*	11870.00	Peak	H	178	21	-70.33	18.86	0.00	55.53	73.98	-18.45
						*	17805.00	Average	H	-	-	-83.08	26.16	0.00	50.08	53.98	-3.90
						*	17805.00	Peak	H	-	-	-72.11	26.16	0.00	61.05	73.98	-12.93
						*	23740.00	Average	H	-	-	-66.98	3.58	-9.54	34.06	53.98	-19.92
						*	23740.00	Peak	H	-	-	-56.32	3.58	-9.54	44.72	73.98	-29.26
			45	6175	61		29675.00	Peak	H	-	-	-55.70	5.33	-9.54	47.08	68.20	-21.12
						*	12350.00	Average	H	176	3	-79.88	19.23	0.00	46.35	53.98	-7.63
						*	12350.00	Peak	H	176	3	-67.80	19.23	0.00	58.43	73.98	-15.55
						*	18525.00	Average	H	-	0	-62.12	1.16	-9.54	36.50	53.98	-17.48
						*	18525.00	Peak	H	-	0	-50.56	1.16	-9.54	48.07	73.98	-25.91
							24700.00	Peak	H	-	-	-57.21	3.72	-9.54	43.97	68.20	-24.23
			93	6415	61		30875.00	Peak	H	-	-	-57.23	6.32	-9.54	46.55	68.20	-21.65
							12830.00	Peak	H	178	72	-65.34	20.14	0.00	61.80	68.20	-6.40
						*	19245.00	Average	H	-	320	-58.03	1.84	-9.54	41.27	53.98	-12.71
						*	19245.00	Peak	H	-	320	-46.43	1.84	-9.54	52.87	73.98	-21.11
							25660.00	Peak	H	-	-	-56.17	3.90	-9.54	45.20	68.20	-23.00
							32075.00	Peak	H	-	-	-55.88	6.64	-9.54	48.22	68.20	-19.98

Table 7-59. Radiated Measurements MIMO (242 Tones)

FCC ID: A3LSMF966U IC: 649E-SMF966W	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502210015-25.A3L	Test Dates: 02/24/2025 - 04/11/2025	EUT Type: Portable Handset	Page 95 of 107

7.6.2.2 MIMO Radiated Spurious Emission Measurements (242 Tones) – UNII Band 7

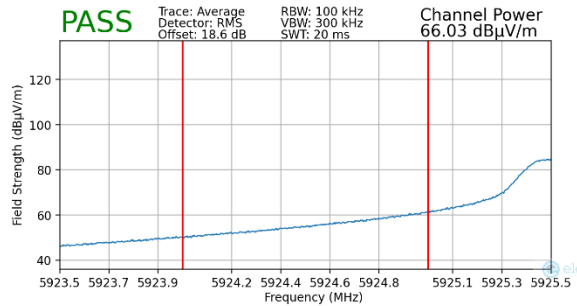
Mode	Antenna	UNII Band	Channel	Test Channel Freq. [MHz]	RU Index	Restricted	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
802.11be RU 242T	MIMO	7	117	6535	61		13070.00	Peak	H	222	17	-63.92	20.29	0.00	63.37	68.20	-4.83
						*	19605.00	Average	H	-	325	-54.13	2.38	-9.54	45.70	53.98	-8.27
						*	19605.00	Peak	H	-	325	-43.74	2.38	-9.54	56.10	73.98	-17.88
							26140.00	Peak	H	-	-	-56.31	4.03	-9.54	45.18	68.20	-23.02
							32675.00	Peak	H	-	-	-58.04	6.46	-9.54	45.88	68.20	-22.32
			149	6695	61	*	13390.00	Average	H	136	325	-77.14	20.77	0.00	50.63	53.98	-3.35
						*	13390.00	Peak	H	136	325	-64.96	20.77	0.00	62.81	73.98	-11.17
						*	20085.00	Peak	H	-	320	-54.82	2.58	-9.54	45.22	53.98	-8.76
						*	20085.00	Average	H	-	320	-44.40	2.58	-9.54	55.64	73.98	-18.34
							26780.00	Peak	H	-	320	-51.69	4.33	-9.54	50.10	68.20	-18.10
							33475.00	Peak	H	-	-	-56.07	6.96	-9.54	48.35	68.20	-19.85
			185	6875	61		13750.00	Peak	H	121	76	-67.10	21.34	0.00	61.24	68.20	-6.96
						*	20625.00	Average	H	-	320	-54.66	3.01	-9.54	45.81	53.98	-8.17
						*	20625.00	Peak	H	-	320	-43.38	3.01	-9.54	57.09	73.98	-16.89
							27500.00	Peak	H	-	320	-54.31	3.97	-9.54	47.12	68.20	-21.08
							34375.00	Peak	H	-	-	-56.24	7.33	-9.54	48.55	68.20	-19.65

Table 7-60. Radiated Measurements MIMO (242 Tones)

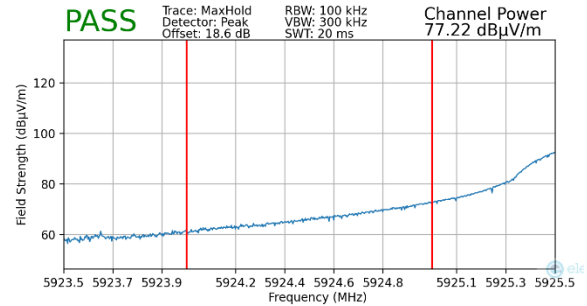
FCC ID: A3LSMF966U IC: 649E-SMF966W	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502210015-25.A3L	Test Dates: 02/24/2025 - 04/11/2025	EUT Type: Portable Handset	Page 96 of 107

7.6.3 MIMO Radiated Band Edge Measurements (20MHz BW – Partial Tone – 106T)

Worst Case Mode:	802.11be
Worst Case Transfer Rate:	MCS0
RU Index	53
Distance of Measurements:	3 Meters
Operating Frequency:	5935MHz
Channel:	2

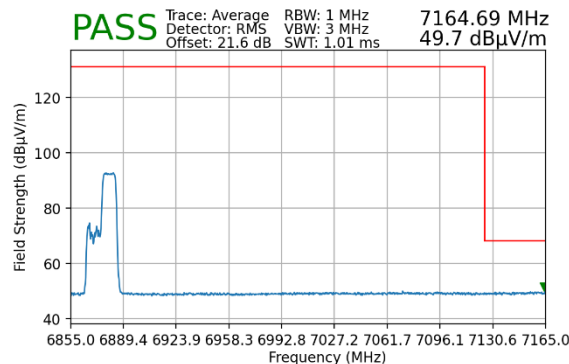


Plot 7-93. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 5 – 106T)

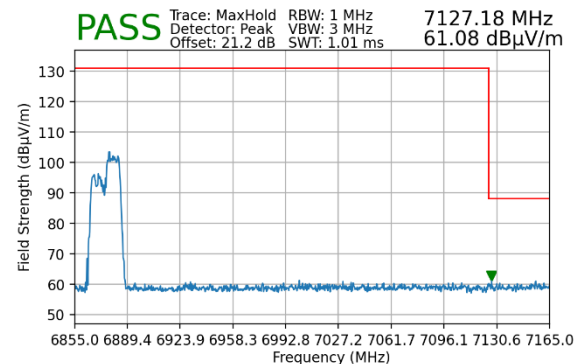


Plot 7-94. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 5 – 106T)

Worst Case Mode:	802.11be
Worst Case Transfer Rate:	MCS0
RU Index	54
Distance of Measurements:	3 Meters
Operating Frequency:	6875MHz
Channel:	185



Plot 7-95. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 7 – 106T)



Plot 7-96. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 7 – 106T)

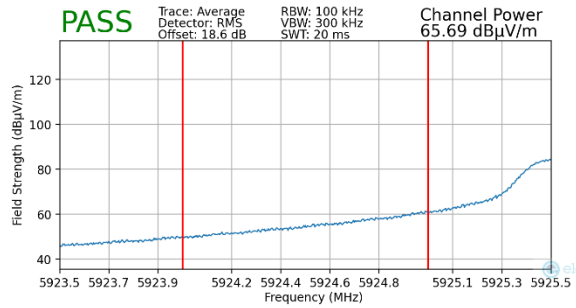
Note:

The highest channel of operation for VLP mode lies within the UNII-7 band (6525 - 6875MHz) which is far from the band edge at 7125MHz. We have investigated the band edge emissions at the upper edge of 7125MHz and are only including the worst-case upper band edge measurements as shown on this page.

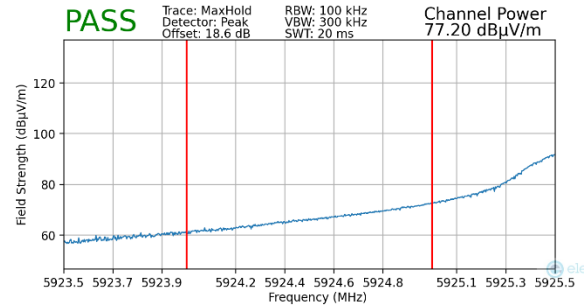
FCC ID: A3LSMF966U IC: 649E-SMF966W	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502210015-25.A3L	Test Dates: 02/24/2025 - 04/11/2025	EUT Type: Portable Handset	Page 97 of 107

7.6.4 MIMO Radiated Band Edge Measurements (20MHz BW – MRU – 106+26T)

Worst Case Mode:	802.11be
Worst Case Transfer Rate:	MCS0
RU Index	82
Distance of Measurements:	3 Meters
Operating Frequency:	5935MHz
Channel:	2



**Plot 7-97. Radiated Lower Band Edge Plot MIMO
(Average – UNII Band 5 – 106+26T)**

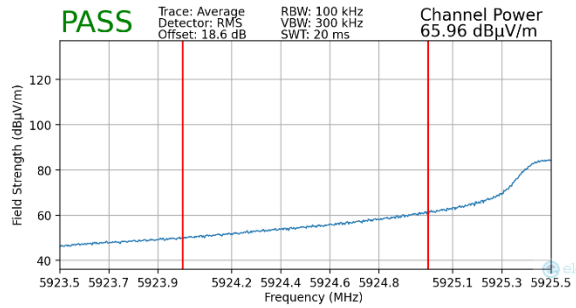


**Plot 7-98. Radiated Lower Band Edge Plot MIMO
(Peak – UNII Band 5 – 106+26T)**

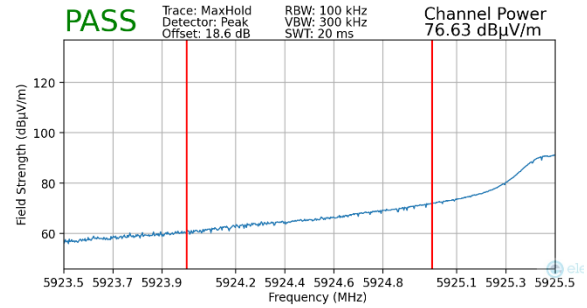
FCC ID: A3LSMF966U IC: 649E-SMF966W	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502210015-25.A3L	Test Dates: 02/24/2025 - 04/11/2025	EUT Type: Portable Handset	Page 98 of 107

7.6.5 MIMO Radiated Band Edge Measurements (20MHz BW – Full Tone – 242T)

Worst Case Mode:	802.11be
Worst Case Transfer Rate:	MCS0
RU Index	61
Distance of Measurements:	3 Meters
Operating Frequency:	5935MHz
Channel:	2

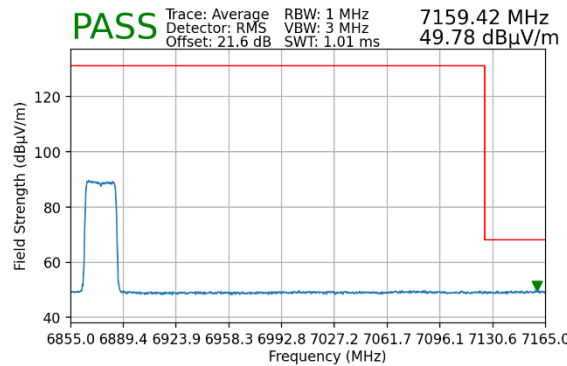


Plot 7-99. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 5 – 242T)

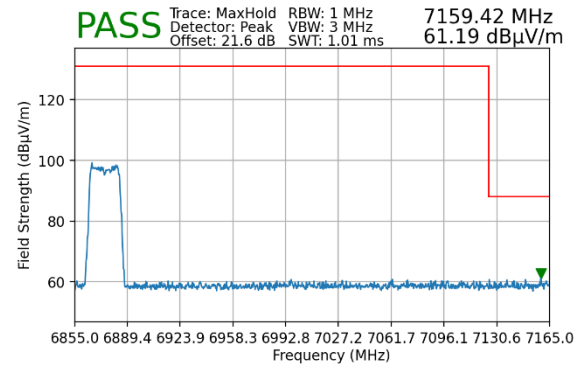


Plot 7-100. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 5 – 242T)

Worst Case Mode:	802.11be
Worst Case Transfer Rate:	MCS0
RU Index	61
Distance of Measurements:	3 Meters
Operating Frequency:	6875MHz
Channel:	185



Plot 7-101. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 8 – 242T)

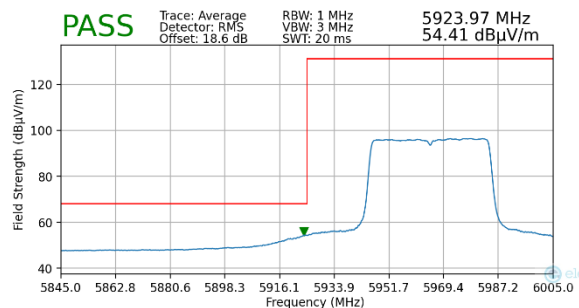


Plot 7-102. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 8 – 242T)

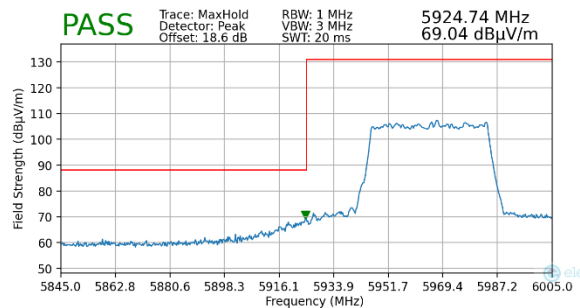
FCC ID: A3LSMF966U IC: 649E-SMF966W	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502210015-25.A3L	Test Dates: 02/24/2025 - 04/11/2025	EUT Type: Portable Handset	Page 99 of 107

7.6.6 MIMO Radiated Band Edge Measurements (40MHz BW – Full Tone – 484T)

Worst Case Mode:	802.11be
Worst Case Transfer Rate:	MCS0
RU Index	65
Distance of Measurements:	3 Meters
Operating Frequency:	5965MHz
Channel:	3



**Plot 7-103. Radiated Lower Band Edge Plot MIMO
(Average – UNII Band 5 – 484T)**

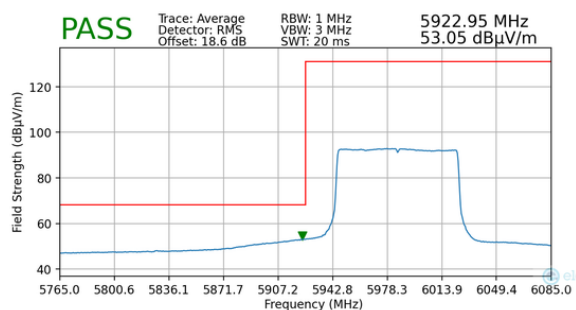


**Plot 7-104. Radiated Lower Band Edge Plot MIMO
(Peak – UNII Band 5 – 484T)**

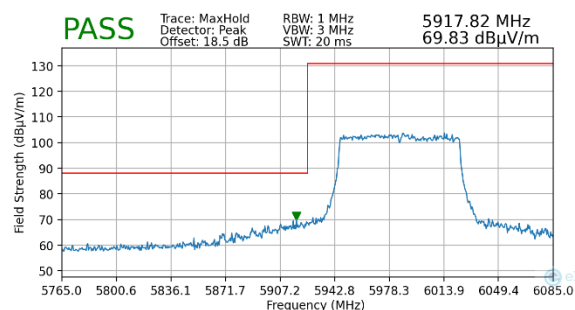
FCC ID: A3LSMF966U IC: 649E-SMF966W	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502210015-25.A3L	Test Dates: 02/24/2025 - 04/11/2025	EUT Type: Portable Handset	Page 100 of 107

7.6.7 MIMO Radiated Band Edge Measurements (80MHz BW – Full Tone – 996T)

Worst Case Mode:	802.11be
Worst Case Transfer Rate:	MCS0
RU Index	67
Distance of Measurements:	3 Meters
Operating Frequency:	5985MHz
Channel:	7



Plot 7-105. Radiated Lower Band Edge Plot MIMO
(Average – UNII Band 5 – 996T)

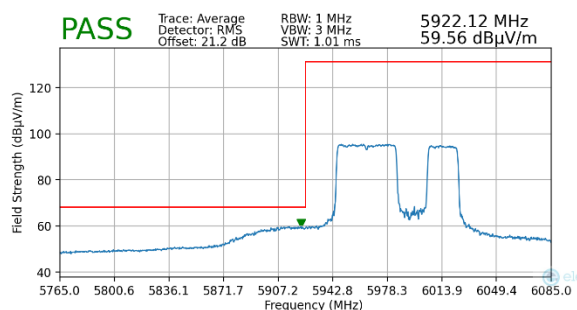


Plot 7-106. Radiated Lower Band Edge Plot MIMO
(Peak – UNII Band 5 – 996T)

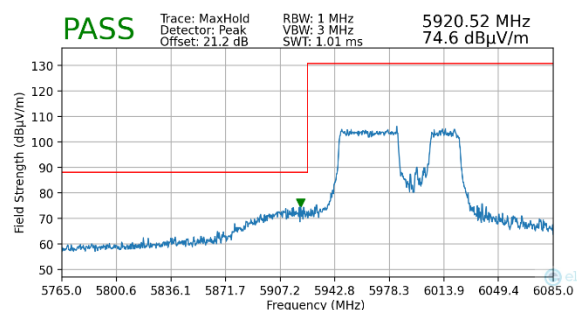
FCC ID: A3LSMF966U IC: 649E-SMF966W	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502210015-25.A3L	Test Dates: 02/24/2025 - 04/11/2025	EUT Type: Portable Handset	Page 101 of 107

7.6.8 MIMO Radiated Band Edge Measurements (80MHz BW – MRU – 484+242T)

Worst Case Mode:	802.11be
Worst Case Transfer Rate:	MCS0
RU Index	92
Distance of Measurements:	3 Meters
Operating Frequency:	5985MHz
Channel:	7



Plot 7-107. Radiated Lower Band Edge Plot MIMO
(Average – UNII Band 5 – 484+242T)

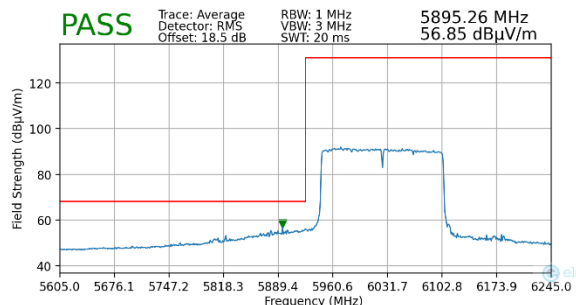


Plot 7-108. Radiated Lower Band Edge Plot MIMO
(Peak – UNII Band 5 – 484+242T)

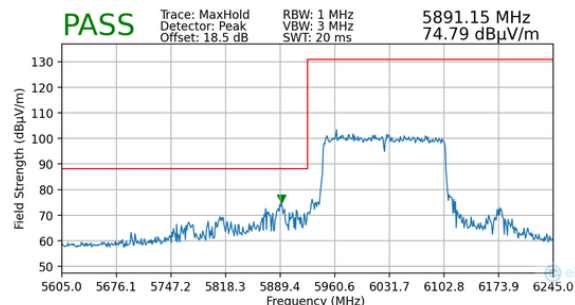
FCC ID: A3LSMF966U IC: 649E-SMF966W	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502210015-25.A3L	Test Dates: 02/24/2025 - 04/11/2025	EUT Type: Portable Handset	Page 102 of 107

7.6.9 MIMO Radiated Band Edge Measurements (160MHz BW – Full Tone – 2x996T)

Worst Case Mode:	802.11be
Worst Case Transfer Rate:	MCS0
RU Index	67
Distance of Measurements:	3 Meters
Operating Frequency:	6025MHz
Channel:	15



Plot 7-109. Radiated Lower Band Edge Plot MIMO
(Average – UNII Band 5 – 2x996T)

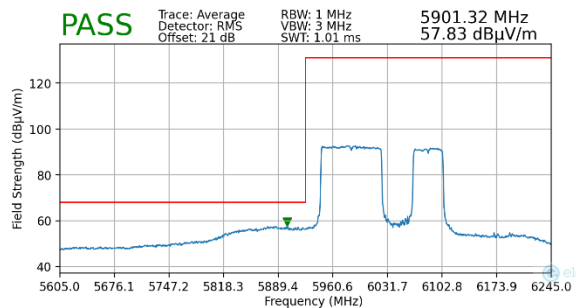


Plot 7-110. Radiated Lower Band Edge Plot MIMO
(Peak – UNII Band 5 – 2x996T)

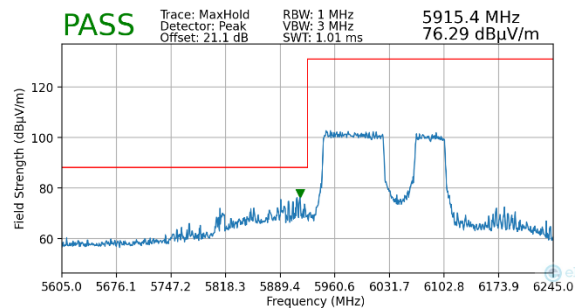
FCC ID: A3LSMF966U IC: 649E-SMF966W	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502210015-25.A3L	Test Dates: 02/24/2025 - 04/11/2025	EUT Type: Portable Handset	Page 103 of 107

7.6.10 MIMO Radiated Band Edge Measurements (160MHz BW – MRU – 996+484T)

Worst Case Mode:	802.11be
Worst Case Transfer Rate:	MCS0
RU Index	1094
Distance of Measurements:	3 Meters
Operating Frequency:	6025MHz
Channel:	15



Plot 7-111. Radiated Lower Band Edge Plot MIMO
(Average – UNII Band 5 – 996+484T)

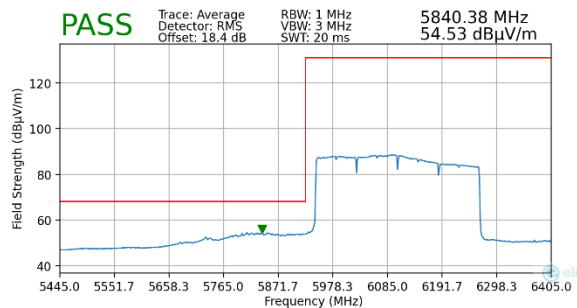


Plot 7-112. Radiated Lower Band Edge Plot MIMO
(Peak – UNII Band 5 – 996+484T)

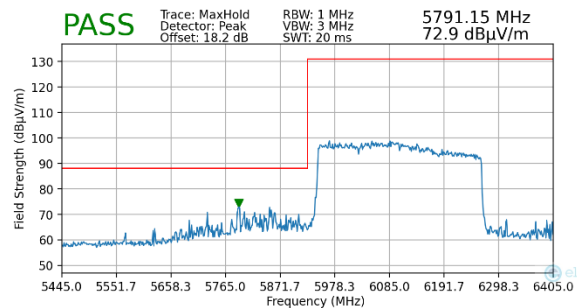
FCC ID: A3LSMF966U IC: 649E-SMF966W	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502210015-25.A3L	Test Dates: 02/24/2025 - 04/11/2025	EUT Type: Portable Handset	Page 104 of 107

7.6.11 MIMO Radiated Band Edge Measurements (320MHz BW – Full Tone – 4*996T)

Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
RU Index	67
Distance of Measurements:	3 Meters
Operating Frequency:	6025MHz
Channel:	15



Plot 7-113. Radiated Lower Band Edge Plot MIMO
(Average – UNII Band 5 – 4*996T)

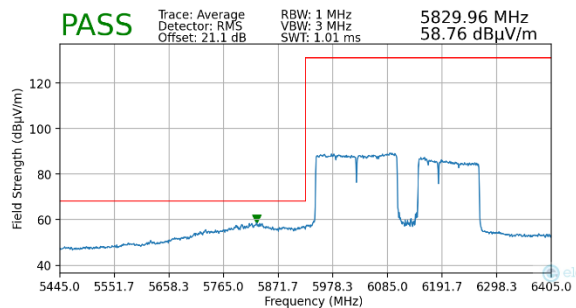


Plot 7-114. Radiated Lower Band Edge Plot MIMO
(Peak – UNII Band 5 – 4*996T)

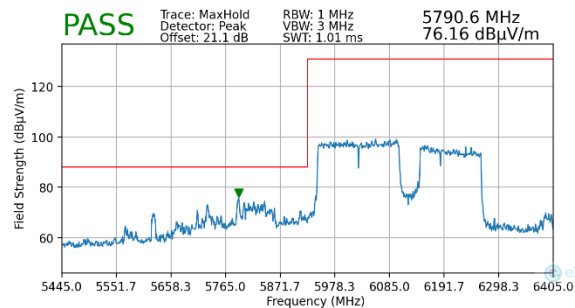
FCC ID: A3LSMF966U IC: 649E-SMF966W	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502210015-25.A3L	Test Dates: 02/24/2025 - 04/11/2025	EUT Type: Portable Handset	Page 105 of 107

7.6.12 MIMO Radiated Band Edge Measurements (320MHz BW – MRU – 3*996+484T)

Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
RU Index	10105
Distance of Measurements:	3 Meters
Operating Frequency:	6025MHz
Channel:	15



Plot 7-115. Radiated Lower Band Edge Plot MIMO
(Average – UNII Band 5 – 3*996+484T)



Plot 7-116. Radiated Lower Band Edge Plot MIMO
(Peak – UNII Band 5 – 3*996+484T)

FCC ID: A3LSMF966U IC: 649E-SMF966W	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502210015-25.A3L	Test Dates: 02/24/2025 - 04/11/2025	EUT Type: Portable Handset	Page 106 of 107

8 CONCLUSION

The data collected relate only the item(s) tested and show that the **Samsung Portable Handset FCC ID: A3LSMF966U** is in compliance with FCC Part Subpart E (15.407) of the FCC rules and RSS-248 Issue 3 of the ISED Canada rules for operation as a Very Low Power Device.

FCC ID: A3LSMF966U IC: 649E-SMF966W	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502210015-25.A3L	Test Dates: 02/24/2025 - 04/11/2025	EUT Type: Portable Handset	Page 107 of 107