

Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS0
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2437MHz
 Channel: 6

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
4874.00	Avg	H	136	293	-75.81	3.08	34.27	53.98	-19.71
4874.00	Peak	H	136	293	-62.77	3.08	47.31	73.98	-26.67
7311.00	Avg	H	-	-	-79.62	9.38	36.76	53.98	-17.22
7311.00	Peak	H	-	-	-67.62	9.38	48.76	73.98	-25.22
12185.00	Avg	H	-	-	-82.12	13.11	37.99	53.98	-15.98
12185.00	Peak	H	-	-	-70.44	13.11	49.67	73.98	-24.30

Table 7-15. Radiated Measurements MIMO (242 Tones)

Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS0
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2462MHz
 Channel: 11

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
4924.00	Avg	H	141	292	-73.48	2.81	36.33	53.98	-17.65
4924.00	Peak	H	141	292	-60.35	2.81	49.46	73.98	-24.52
7386.00	Avg	H	-	-	-79.33	9.17	36.84	53.98	-17.14
7386.00	Peak	H	-	-	-67.57	9.17	48.60	73.98	-25.38
12310.00	Avg	H	-	-	-81.79	13.44	38.65	53.98	-15.33
12310.00	Peak	H	-	-	-69.80	13.44	50.64	73.98	-23.34

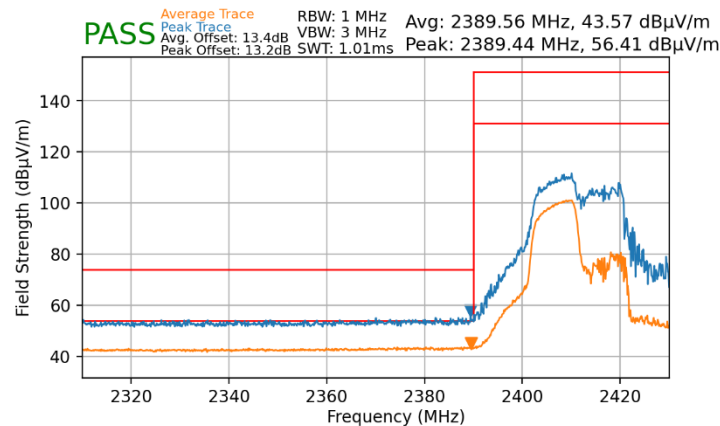
Table 7-16. Radiated Measurements MIMO (242 Tones)

FCC ID: A3LSMA576JPN	MEASUREMENT REPORT		Approved by: Technical Manager
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7.7.2 MIMO Radiated Restricted Band Edge Measurements

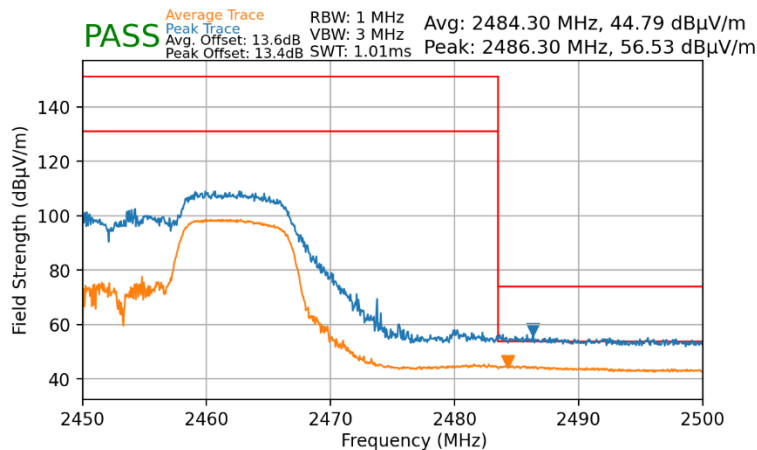
The radiated restricted band edge measurements are measured with an EMI test receiver connected to the receive antenna while the EUT is transmitting.

Worst Case Mode:	802.11ax OFDMA
Worst Case Transfer Rate:	MCS0
RU Index:	53
Distance of Measurements:	3 Meters
Operating Frequency:	2412MHz
Channel:	1



Plot 7-89. Radiated Restricted Lower Band Edge Measurement MIMO (Average & Peak – 106 Tones)

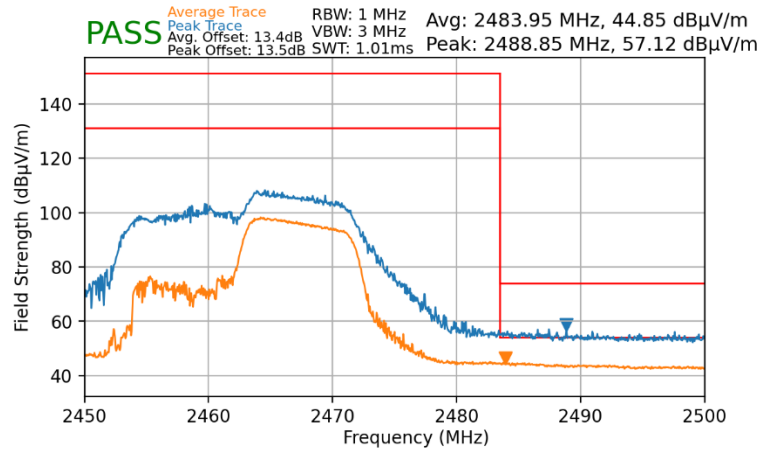
Worst Case Mode:	802.11ax OFDMA
Worst Case Transfer Rate:	MCS0
RU Index:	54
Distance of Measurements:	3 Meters
Operating Frequency:	2457MHz
Channel:	10



Plot 7-90. Radiated Restricted Upper Band Edge Measurement MIMO (Average & Peak – 106 Tones)

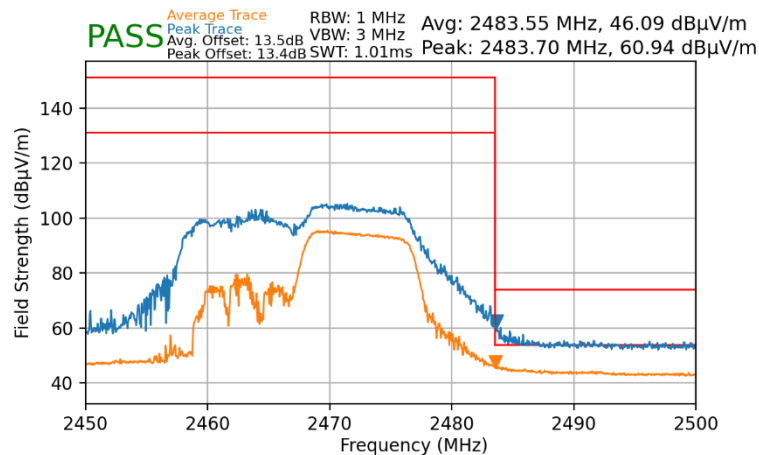
FCC ID: A3LSMA576JPN	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2512010100-15-R1.A3L	Test Dates: 10/29/2025-1/28/2026	EUT Type: Portable Handset	Page 79 of 86

Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS0
 RU Index: 54
 Distance of Measurements: 3 Meters
 Operating Frequency: 2462MHz
 Channel: 11



Plot 7-91. Radiated Restricted Upper Band Edge Measurement MIMO (Average & Peak – 106 Tones)

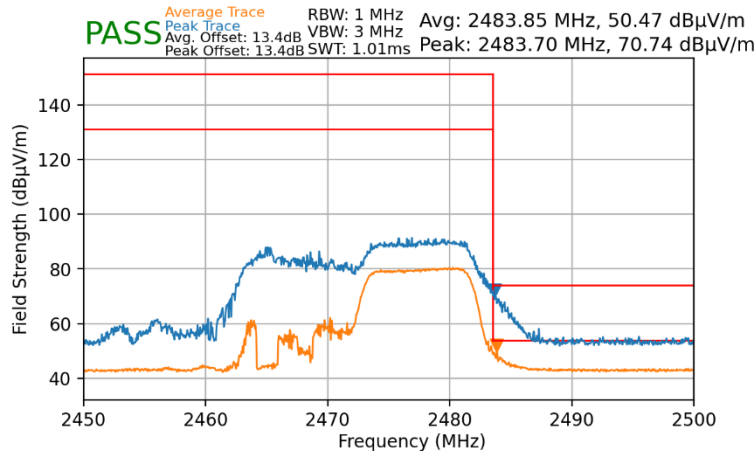
Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS0
 RU Index: 54
 Distance of Measurements: 3 Meters
 Operating Frequency: 2467MHz
 Channel: 12



Plot 7-92. Radiated Restricted Upper Band Edge Measurement MIMO (Average & Peak – 106 Tones)

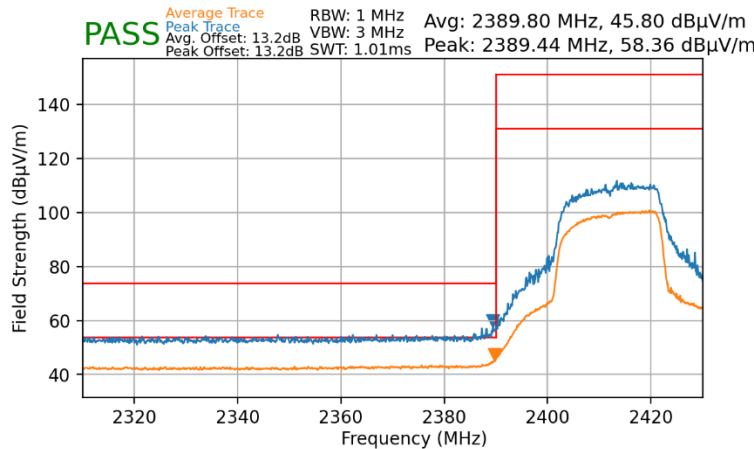
FCC ID: A3LSMA576JPN	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2512010100-15-R1.A3L	Test Dates: 10/29/2025-1/28/2026	EUT Type: Portable Handset	Page 80 of 86

Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS0
 RU Index: 54
 Distance of Measurements: 3 Meters
 Operating Frequency: 2472MHz
 Channel: 13



Plot 7-93. Radiated Restricted Upper Band Edge Measurement MIMO (Average & Peak – 106 Tones)

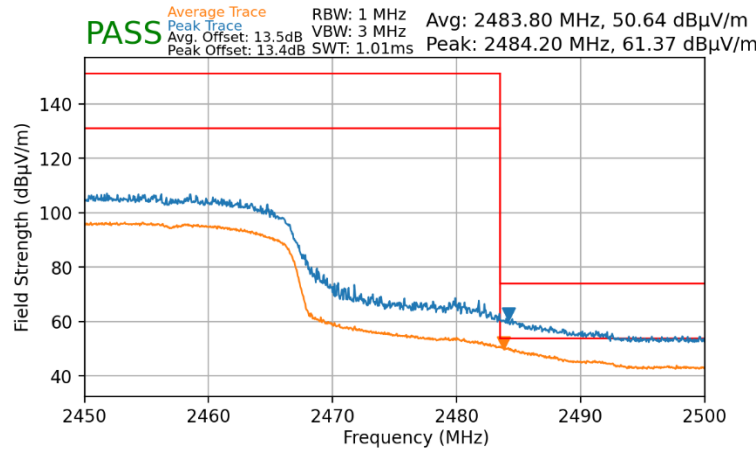
Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS0
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2412MHz
 Channel: 1



Plot 7-94. Radiated Restricted Lower Band Edge Measurement MIMO (Average & Peak – 242 Tones)

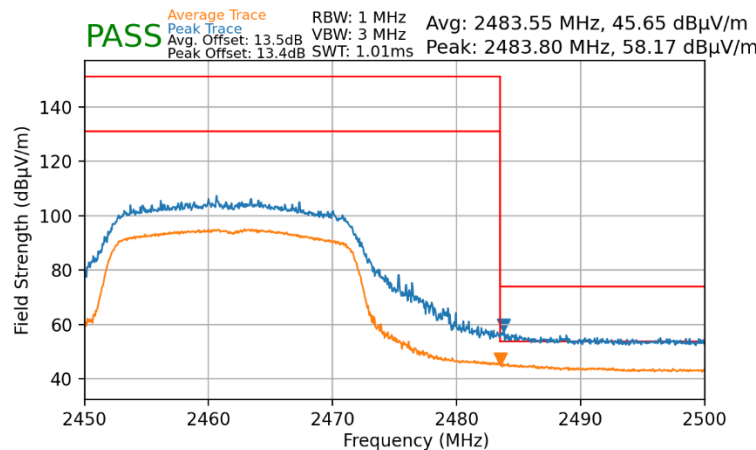
FCC ID: A3LSMA576JPN	MEASUREMENT REPORT		Approved by: Technical Manager
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Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS0
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2457MHz
 Channel: 10



Plot 7-95. Radiated Restricted Upper Band Edge Measurement MIMO (Average & Peak – 242 Tones)

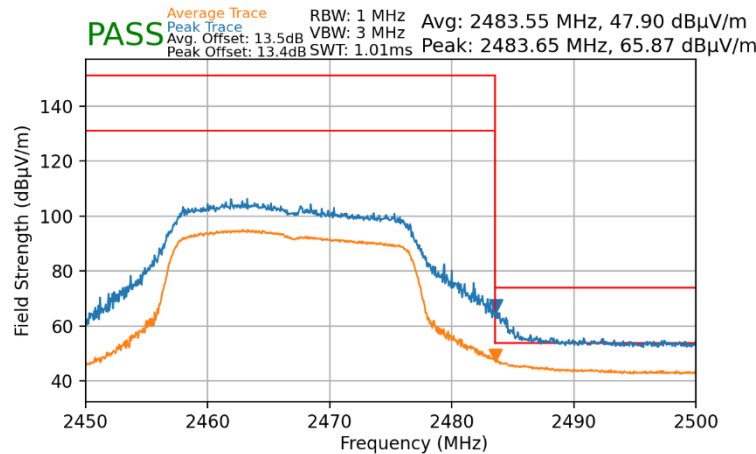
Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS0
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2462MHz
 Channel: 11



Plot 7-96. Radiated Restricted Upper Band Edge Measurement MIMO (Average & Peak – 242 Tones)

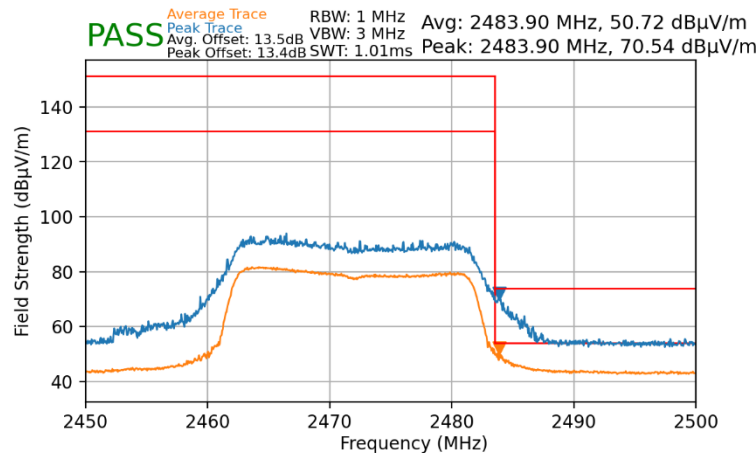
FCC ID: A3LSMA576JPN	MEASUREMENT REPORT		Approved by: Technical Manager
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Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS0
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2467MHz
 Channel: 12



Plot 7-97. Radiated Restricted Upper Band Edge Measurement MIMO (Average & Peak – 242 Tones)

Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS0
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2472MHz
 Channel: 13



Plot 7-98. Radiated Restricted Upper Band Edge Measurement MIMO (Average & Peak – 242 Tones)

FCC ID: A3LSMA576JPN	MEASUREMENT REPORT		Approved by: Technical Manager
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8.0 CONCLUSION

The data collected relate only the item(s) tested and show that the **Samsung Portable Handset FCC ID: A3LSMA576JPN** is in compliance with Part 15 Subpart C (15.247) of the FCC Rules. The data referenced from **FCC ID: A3LSMA576U** (Model SM-A576U1) included in this report have been reviewed and are deemed acceptable to support the compliance of **FCC ID: A3LSMA576JPN**.

FCC ID: A3LSMA576JPN	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2512010100-15-R1.A3L	Test Dates: 10/29/2025-1/28/2026	EUT Type: Portable Handset	Page 84 of 86

9.0 APPENDIX A – DATA REFERENCING RESULTS

Overview

The spot-check data presented in this section was measured on the variant model following the guidance of the FCC's Data Referencing guidance in KDB 484596 D01 v03. Each spot-check test on the EUT was performed using the same procedure and setting that were used to perform the test on the corresponding reference device. For the worst-case RSE data, the measurement is determined by an actual emission and not by noise floor.

All test cases were performed to verify the variant EUT is still in compliance with the spot-checked results to the reference device and was performed using the guidance of ANSI C63.10-2020.

Notes

- Each spot check test on the EUT was performed using the same procedure and setting that were used to perform the test on the corresponding reference device.

Conducted Spot-Checks – SC-54G

Freq [MHz]	Channel	Tones	RU Index	Conducted Power [dBm]			Conducted Power Limit [dBm]	Avg Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p [dBm]	e.i.r.p Limit [dBm]	e.i.r.p Margin [dB]
				Antenna-1 AVG	Antenna-2 AVG	MIMO AVG						
137	6	242T	61	16.92	15.14	19.13	30.00	-10.87	-1.94	17.19	36.02	-18.83

Table 9-1. Conducted Output Power Measurements (Spot-check)

Radiated Spot-Checks – SC-54G

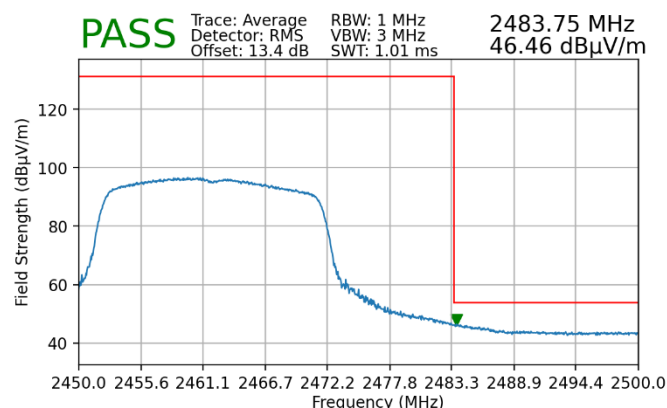
Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	2462MHz
Channel:	11

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
4924.00	Avg	H	121	289	-77.69	7.00	36.31	53.98	-17.67

Table 9-2. RSE Measurements (Spot-check)

FCC ID: A3LSMA576JPN	MEASUREMENT REPORT		Approved by: Technical Manager
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Worst Case Mode: 802.1ax
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 2462MHz
 Channel: 11



Plot 9-1. Radiated Restricted Lower Band Edge Measurement MIMO (Average)

Results

FCC Rules	Test Item	Test Case	Units	Limit	Reference Model: SM-A576U1	Variant Model: SC-54G	Deviation (dB)	Max Deviation (dB)	Pass/Fail
15.247(b)(3)	Conducted Output Power	802.11ax MIMO 242 Tone Ch.6 - Average	dBm	N/A	19.38	19.13	-0.25	1	PASS
15.209	Radiated Spurious Emissions	802.11ax/ax MIMO 26 Tone Ch.1 - 4824MHz - Average	dBuV/m	53.98	36.33	36.31	-0.02	3	PASS
15.209	Radiated Band Edge Emissions	802.11ax MIMO 242 Tone Ch.11 - Average	dBuV/m	53.98	45.65	46.46	0.81	3	PASS

Table 9-3. Summary of Spot-checks

- END OF TEST REPORT -

FCC ID: A3LSMA576JPN	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2512010100-15-R1.A3L	Test Dates: 10/29/2025-1/28/2026	EUT Type: Portable Handset	Page 86 of 86