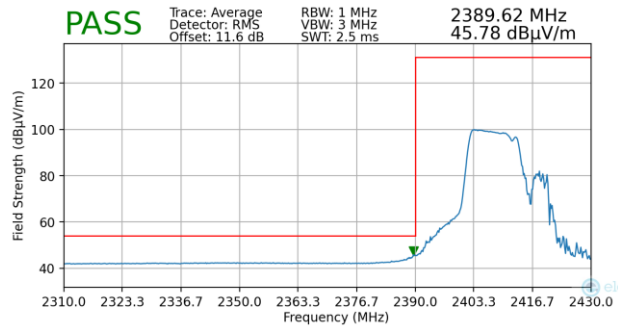
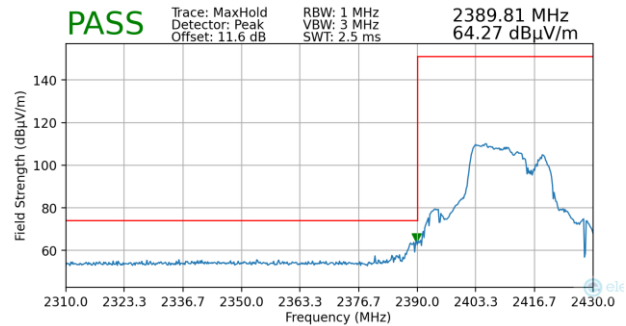


Worst Case Mode: 802.11be OFDMA
 Worst Case Transfer Rate: MCS0
 RU Index: 82
 Distance of Measurements: 3 Meters
 Operating Frequency: 2412MHz
 Channel: 1

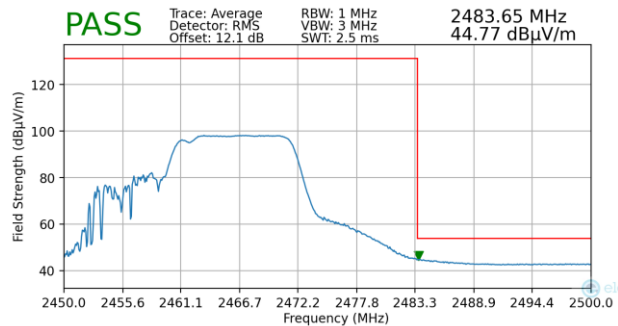


Plot 7-91. Radiated Restricted Lower Band Edge Measurement MIMO (Average – 106+26 Tones)

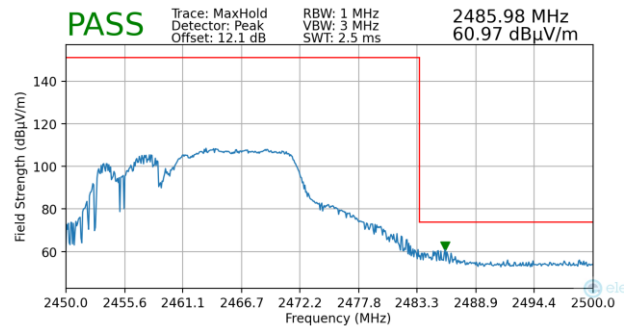


Plot 7-92. Radiated Restricted Lower Band Edge Measurement MIMO (Peak – 106+26 Tones)

Worst Case Mode: 802.11be OFDMA
 Worst Case Transfer Rate: MCS0
 RU Index: 83
 Distance of Measurements: 3 Meters
 Operating Frequency: 2462MHz
 Channel: 11



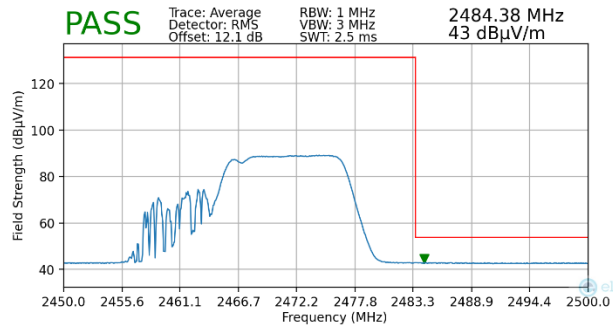
Plot 7-93. Radiated Restricted Upper Band Edge Measurement MIMO (Average – 106+26 Tones)



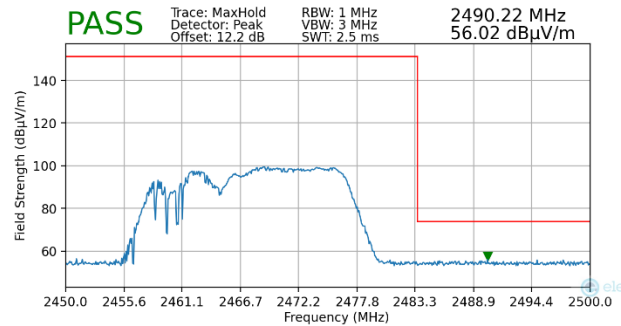
Plot 7-94. Radiated Restricted Upper Band Edge Measurement MIMO (Peak – 106+26 Tones)

FCC ID: A3LSMF966B	MEASUREMENT REPORT		Approved by: Technical Manager
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Worst Case Mode: 802.11be OFDMA
 Worst Case Transfer Rate: MCS0
 RU Index: 83
 Distance of Measurements: 3 Meters
 Operating Frequency: 2467MHz
 Channel: 12

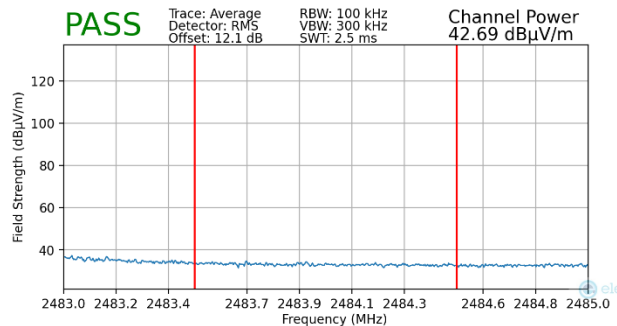


Plot 7-95. Radiated Restricted Upper Band Edge Measurement MIMO (Average – 106+26 Tones)

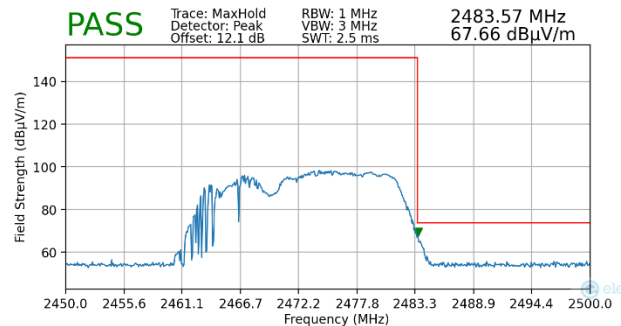


Plot 7-96. Radiated Restricted Upper Band Edge Measurement MIMO (Peak – 106+26 Tones)

Worst Case Mode: 802.11be OFDMA
 Worst Case Transfer Rate: MCS0
 RU Index: 83
 Distance of Measurements: 3 Meters
 Operating Frequency: 2472MHz
 Channel: 13



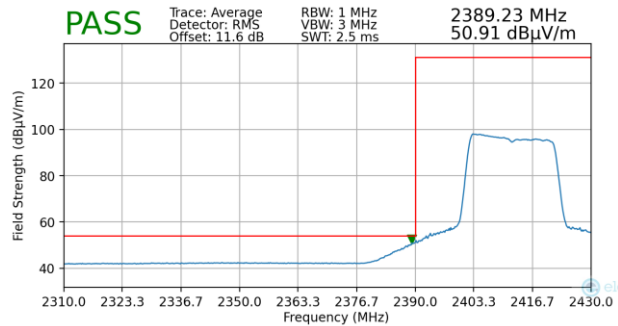
Plot 7-97. Radiated Restricted Upper Band Edge Measurement MIMO (Average – 106+26 Tones)



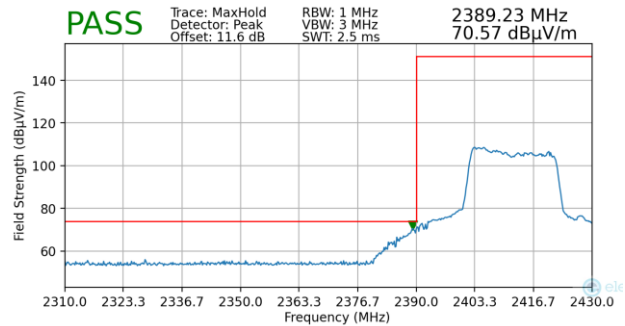
Plot 7-98. Radiated Restricted Upper Band Edge Measurement MIMO (Peak – 106+26 Tones)

FCC ID: A3LSMF966B	MEASUREMENT REPORT		Approved by: Technical Manager
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Worst Case Mode: 802.11be OFDMA
Worst Case Transfer Rate: MCS0
RU Index: 61
Distance of Measurements: 3 Meters
Operating Frequency: 2412MHz
Channel: 1

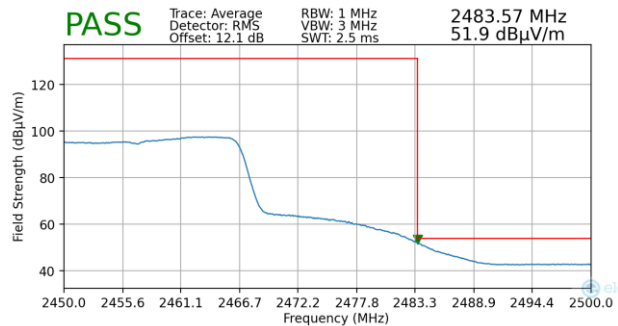


Plot 7-99. Radiated Restricted Lower Band Edge Measurement MIMO (Average – 242 Tones)

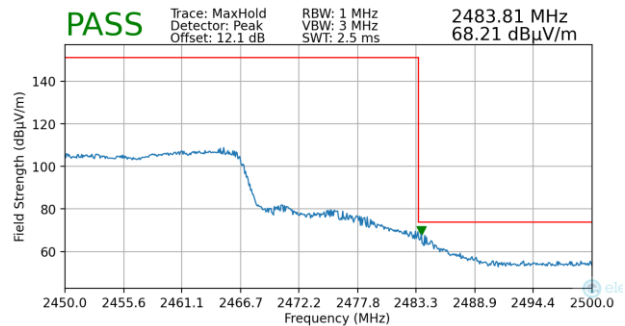


Plot 7-100. Radiated Restricted Lower Band Edge Measurement MIMO (Peak – 242 Tones)

Worst Case Mode: 802.11be OFDMA
Worst Case Transfer Rate: MCS0
RU Index: 61
Distance of Measurements: 3 Meters
Operating Frequency: 2457MHz
Channel: 10



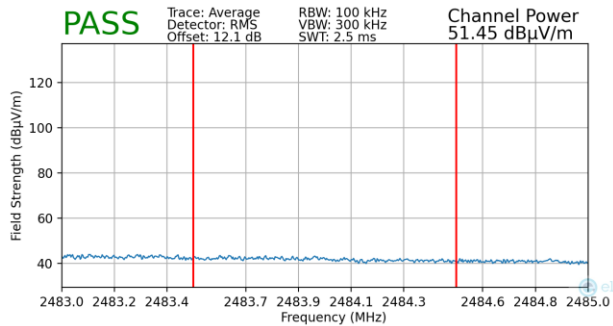
Plot 7-101. Radiated Restricted Upper Band Edge Measurement MIMO (Average – 242 Tones)



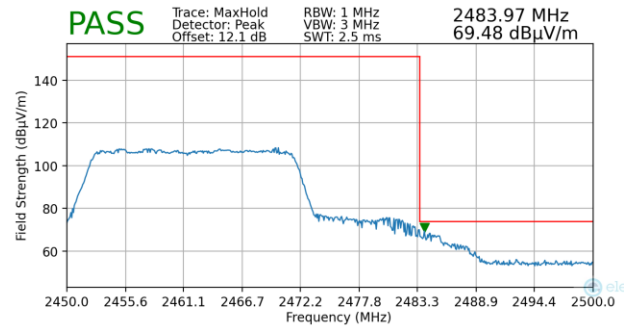
Plot 7-102. Radiated Restricted Upper Band Edge Measurement MIMO (Peak – 242 Tones)

FCC ID: A3LSMF966B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502270019-14.A3L	Test Dates: 02/24/2025 - 05/07/2025	EUT Type: Portable Handset	Page 76 of 81

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

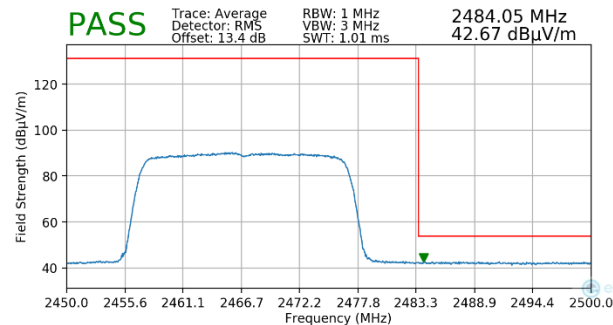


Plot 7-103. Radiated Restricted Upper Band Edge Measurement MIMO (Average – 242 Tones)

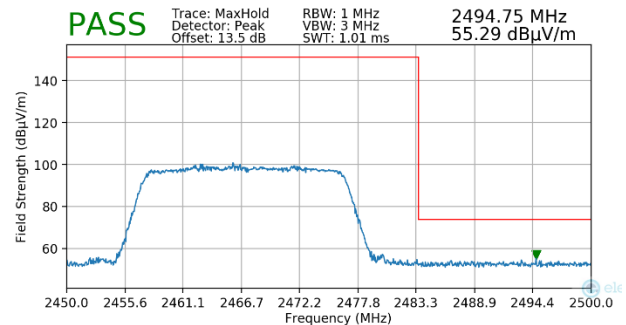


Plot 7-104. Radiated Restricted Upper Band Edge Measurement MIMO (Peak – 242 Tones)

Worst Case Mode:	802.11be OFDMA
Worst Case Transfer Rate:	MCS0
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2467MHz
Channel:	12



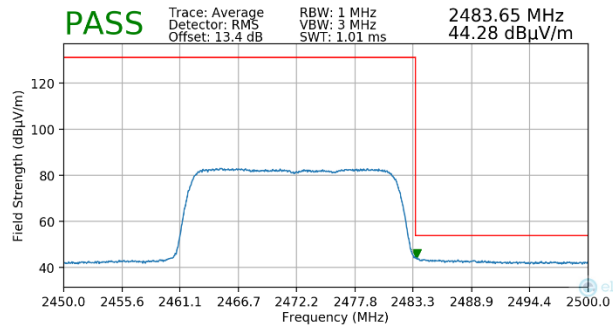
Plot 7-105. Radiated Restricted Upper Band Edge Measurement MIMO (Average – 242 Tones)



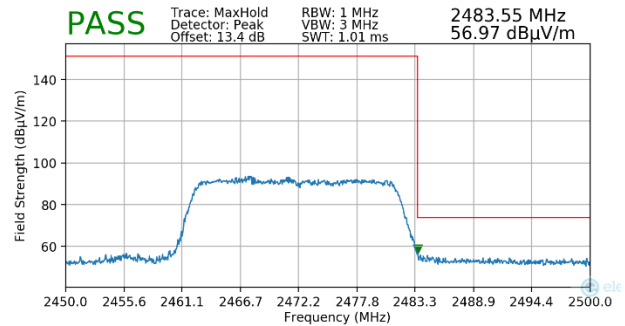
Plot 7-106. Radiated Restricted Upper Band Edge Measurement MIMO (Peak – 242 Tones)

FCC ID: A3LSMF966B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502270019-14.A3L	Test Dates: 02/24/2025 - 05/07/2025	EUT Type: Portable Handset	Page 77 of 81

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



Plot 7-107. Radiated Restricted Upper Band Edge Measurement MIMO (Average – 242 Tones)



Plot 7-108. Radiated Restricted Upper Band Edge Measurement MIMO (Peak – 242 Tones)

FCC ID: A3LSMF966B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502270019-14.A3L	Test Dates: 02/24/2025 - 05/07/2025	EUT Type: Portable Handset	Page 78 of 81

8.0 CONCLUSION

The data collected relate only the item(s) tested and show that the **Samsung Portable Handset FCC ID: A3LSMF966B** is in compliance with Part 15 Subpart C (15.247) of the FCC Rules.

FCC ID: A3LSMF966B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502270019-14.A3L	Test Dates: 02/24/2025 - 05/07/2025	EUT Type: Portable Handset	Page 79 of 81

9.0 APPENDIX A – DATA REFERENCING SPOT-CHECKS

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 C63.10-2013.

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 – SM-F966B

Freq [MHz]	Channel	Tones	RU Index	Conducted Power [dBm]			Conducted Power Limit [dBm]	Avg Conducted Power Margin [dB]
				Antenna-1	Antenna-2	MIMO		
				AVG	AVG	AVG		
2437	6	242T	61	16.92	17.61	20.29	30.00	-9.71

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

FCC ID: A3LSMF966B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502270019-14.A3L	Test Dates: 02/24/2025 - 05/07/2025	EUT Type: Portable Handset	Page 80 of 81

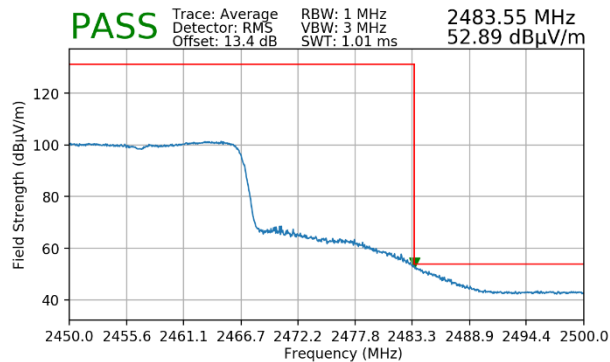
Radiated Spot-Checks – SM-F966B

Worst Case Mode: 802.11ax OFDMA
Worst Case Transfer Rate: MCS0
RU Index: 4
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]
7386.00	Avg	V	245	320	-76.71	9.17	39.46	53.98	-14.52
7386.00	Peak	V	245	320	-61.36	9.17	54.81	73.98	-19.17

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

Worst Case Mode: 802.11be OFDMA
Worst Case Transfer Rate: MCS0
RU Index: 61
Distance of Measurements: 3 Meters
Operating Frequency: 2457MHz
Channel: 10



Plot 9-1. Radiated Restricted Upper Band Edge Measurement MIMO (Average – 242 Tones)

Results

FCC Rules	Test Item	Test Case	Units	Limit	Reference Model: SM-S966U	Variant Model: SM-S966B	Deviation (dB)	Max Deviation (dB)	Pass/Fail
15.247(b)(3)	Conducted Output Power	802.11be MIMO 242 Tone Ch.6 - Average	dBm	N/A	20.83	20.29	-0.54	1	PASS
15.209	Radiated Spurious Emissions	802.11ax MIMO 26 Tone Ch.11 - 7386MHz - Average	dBμV/m	53.98	39.34	39.46	0.12	3	PASS
15.209	Radiated Band Edge Emissions	802.11be MIMO 242 Tone Ch.10 - Average	dBμV/m	53.98	51.90	52.89	0.99	3	PASS

Table 9-3. Summary of Spot-checks

FCC ID: A3LSMF966B	MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2502270019-14.A3L	Test Dates: 02/24/2025 - 05/07/2025	EUT Type: Portable Handset	Page 81 of 81	