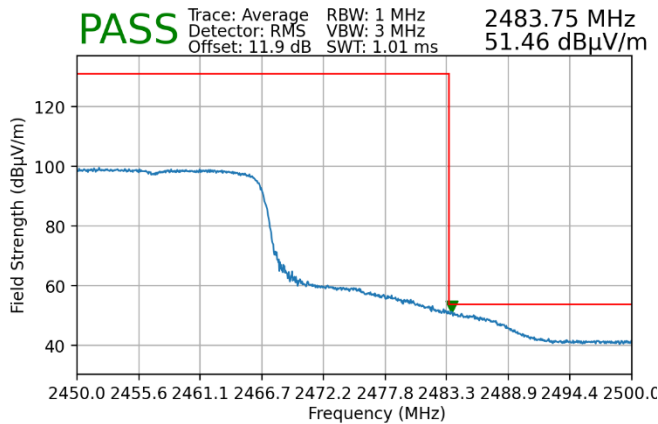
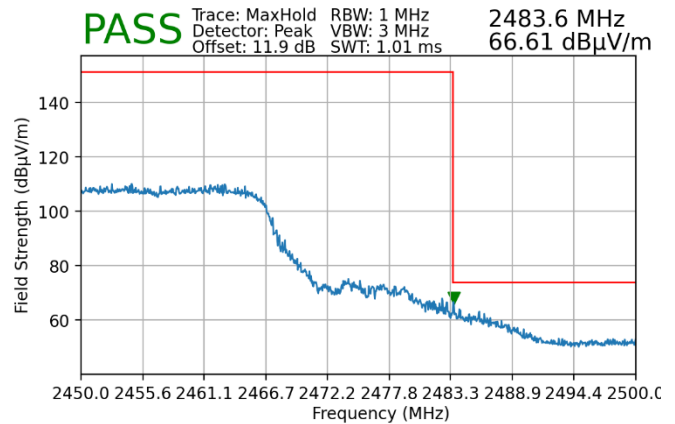


Worst Case Mode: 802.1ax
Worst Case Transfer Rate: MCS0
Distance of Measurements: 3 Meters
Operating Frequency: 2457MHz
Channel: 10

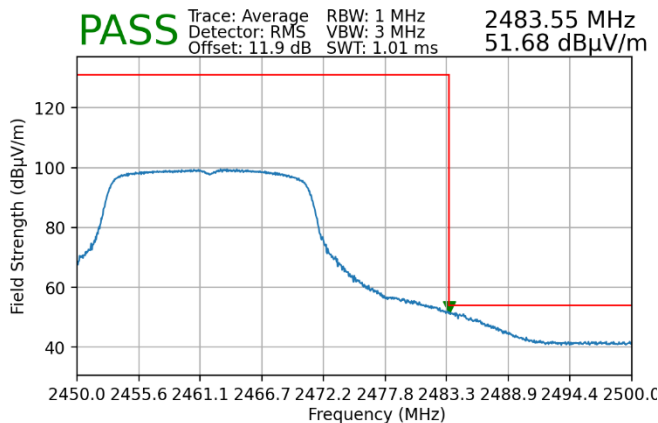


Plot 7-96. Radiated Restricted Upper Band Edge Measurement MIMO (Average)

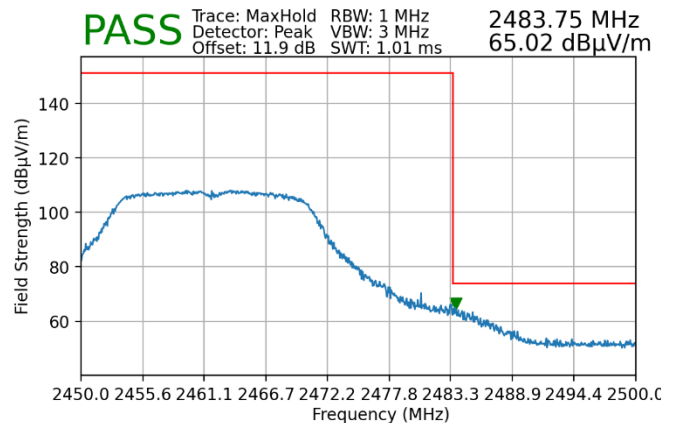


Plot 7-97. Radiated Restricted Upper Band Edge Measurement MIMO (Peak)

Worst Case Mode: 802.11n
Worst Case Transfer Rate: MCS8
Distance of Measurements: 3 Meters
Operating Frequency: 2462MHz
Channel: 11



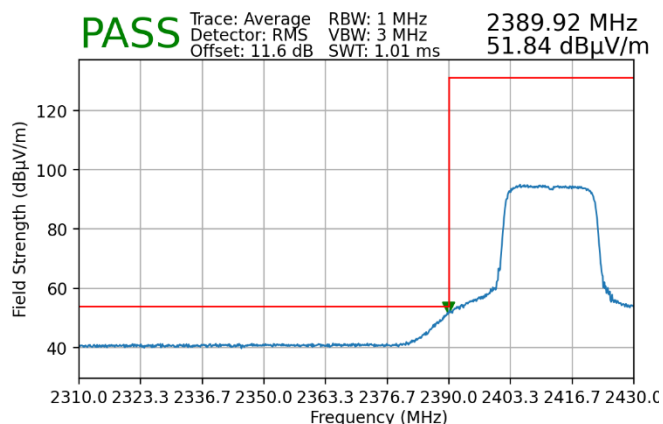
Plot 7-98. Radiated Restricted Upper Band Edge Measurement MIMO (Average)



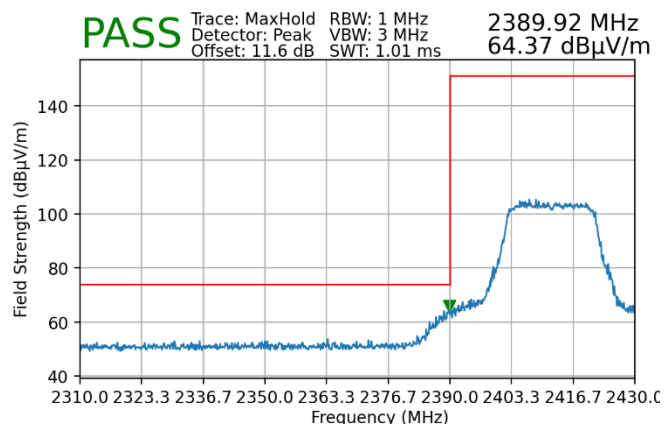
Plot 7-99. Radiated Restricted Upper Band Edge Measurement MIMO (Peak)

FCC ID: A3LSMS948U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-16-R1.A3L	Test Dates: 9/2/2025 - 10/10/2025	EUT Type: Portable Handset	Page 83 of 89

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



Plot 7-100. Radiated Restricted Lower Band Edge Measurement MIMO (Average) – WCP



Plot 7-101. Radiated Restricted Lower Band Edge Measurement MIMO (Peak) – WCP

FCC ID: A3LSMS948U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-16-R1.A3L	Test Dates: 9/2/2025 - 10/10/2025	EUT Type: Portable Handset	Page 84 of 89

7.8 Line-Conducted Test Data

Test Overview and Limit

All AC line conducted spurious emissions are measured with a receiver connected to a grounded LISN while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates and modes were investigated for conducted spurious emissions. Only the conducted emissions of the configuration that produced the worst case emissions are reported in this section.

All conducted emissions must not exceed the limits shown in the table below per §15.207 and RSS-Gen (8.8).

Frequency of emission (MHz)	Conducted Limit (dB μ V)	
	Quasi-peak	Average
0.15 – 0.5	66 to 56*	56 to 46*
0.5 – 5	56	46
5 – 30	60	50

Table 7-30. Conducted Limits

*Decreases with the logarithm of the frequency.

Test Procedures Used

ANSI C63.10:2020, Section 6.2

Test Settings

Quasi-Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the spurious emission of interest
2. RBW = 9kHz (for emissions from 150kHz – 30MHz)
3. Detector = quasi-peak
4. Sweep time = auto couple
5. Trace mode = max hold
6. Trace was allowed to stabilize

Average Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the spurious emission of interest
2. RBW = 9kHz (for emissions from 150kHz – 30MHz)
3. Detector = RMS
4. Sweep time = auto couple
5. Trace mode = max hold
6. Trace was allowed to stabilize

FCC ID: A3LSMS948U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-16-R1.A3L	Test Dates: 9/2/2025 - 10/10/2025	EUT Type: Portable Handset	Page 85 of 89

Test Setup

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

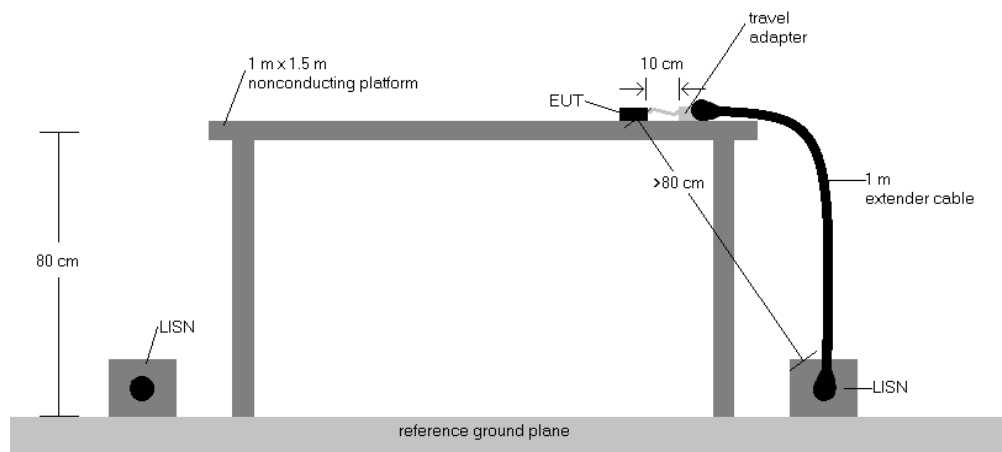
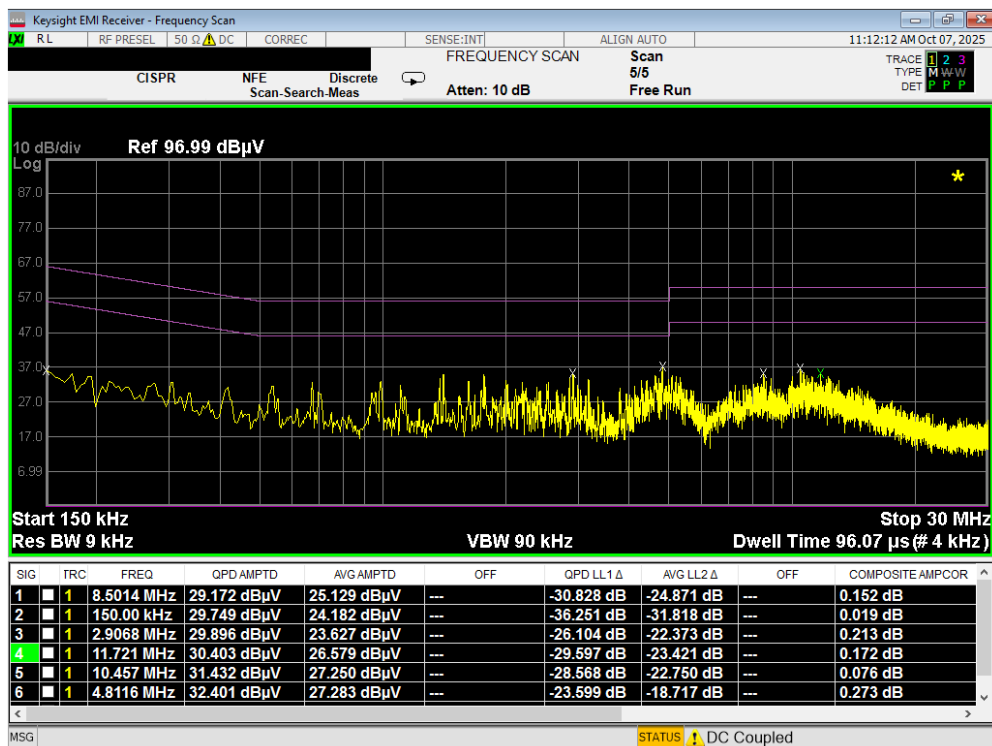


Figure 7-9. Test Instrument & Measurement Setup

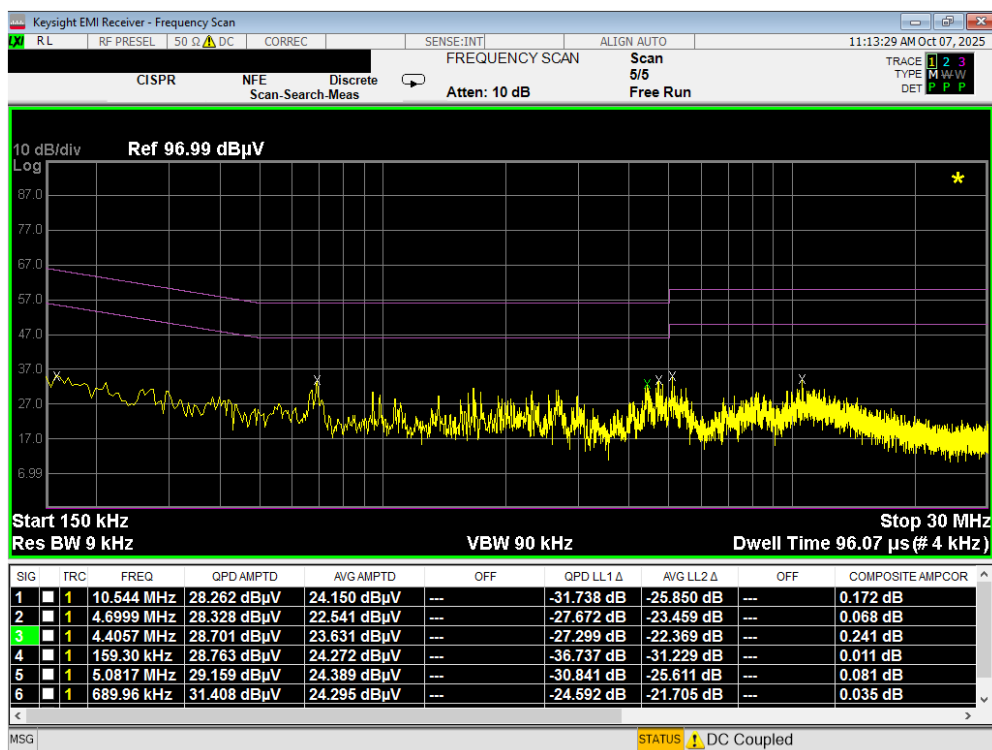
Test Notes

1. All modes of operation were investigated and the worst-case emissions are reported using mid channel. The emissions found were not affected by the choice of channel used during testing.
2. The limit for an intentional radiator from 150kHz to 30MHz are specified in Part 15.207 and RSS-Gen(8.8).
3. $\text{Corr. (dB)} = \text{Cable loss (dB)} + \text{LISN insertion factor (dB)}$
4. $\text{QP/AV Level (dB}\mu\text{V)} = \text{QP/AV Analyzer/Receiver Level (dB}\mu\text{V)} + \text{Corr. (dB)}$
5. $\text{Margin (dB)} = \text{QP/AV Limit (dB}\mu\text{V)} - \text{QP/AV Level (dB}\mu\text{V)}$
6. Traces shown in plot are made using a peak detector.
7. Deviations to the Specifications: None.

FCC ID: A3LSMS948U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-16-R1.A3L	Test Dates: 9/2/2025 - 10/10/2025	EUT Type: Portable Handset	Page 86 of 89

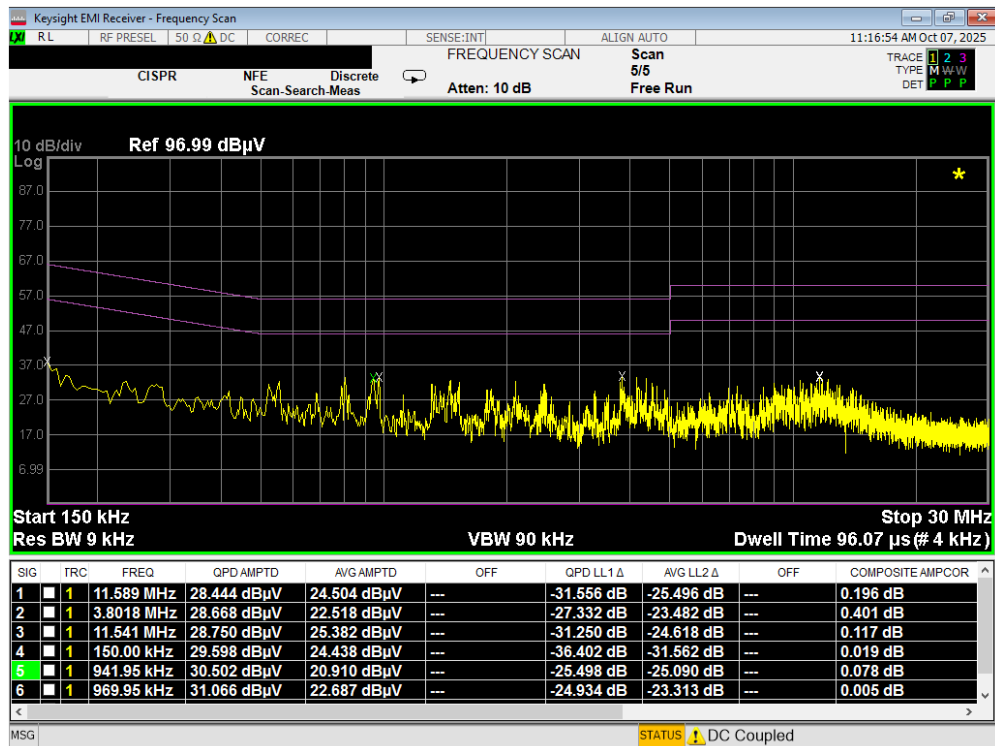


Plot 7-102. Line Conducted Plot with 802.11b (L1)

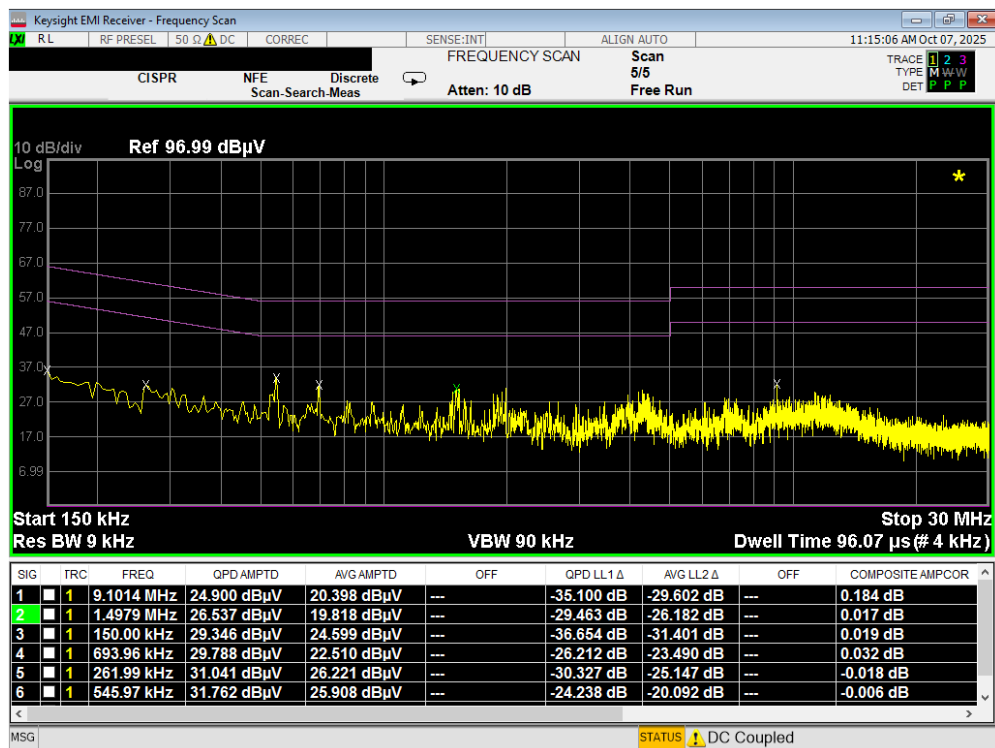


Plot 7-103. Line Conducted Plot with 802.11b (N)

FCC ID: A3LSMS948U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-16-R1.A3L	Test Dates: 9/2/2025 - 10/10/2025	EUT Type: Portable Handset	Page 87 of 89



Plot 7-104. Line Conducted Plot with 802.11b (L1) – WCP



Plot 7-105. Line Conducted Plot with 802.11b (N) – WCP

FCC ID: A3LSMS948U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-16-R1.A3L	Test Dates: 9/2/2025 - 10/10/2025	EUT Type: Portable Handset	Page 88 of 89

8.0 CONCLUSION

The data collected relate only the item(s) tested and show that the **Samsung Portable Handset FCC ID: A3LSMS948U** is in compliance with Part 15 Subpart C (15.247) of the FCC Rules.

- END OF TEST REPORT -

FCC ID: A3LSMS948U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-16-R1.A3L	Test Dates: 9/2/2025 - 10/10/2025	EUT Type: Portable Handset	Page 89 of 89