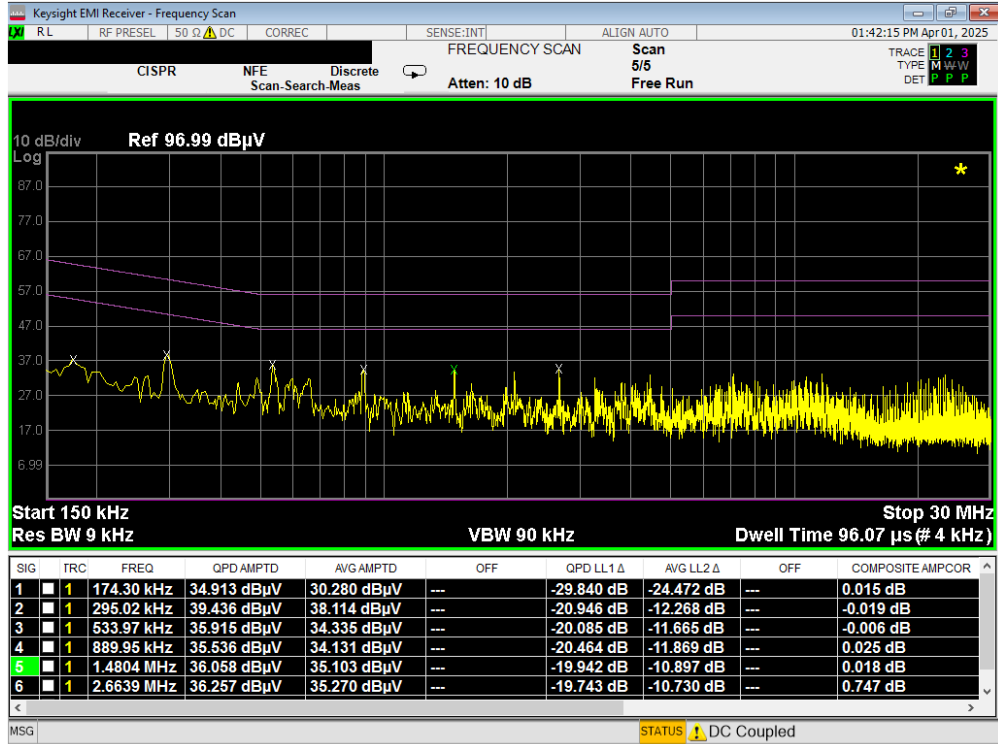
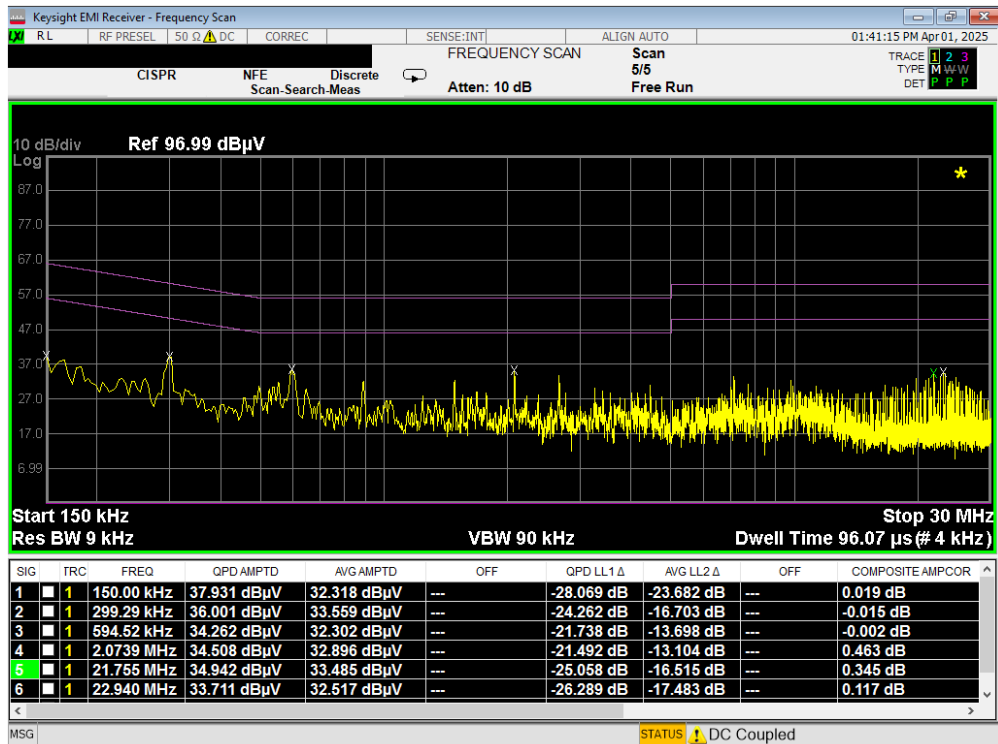


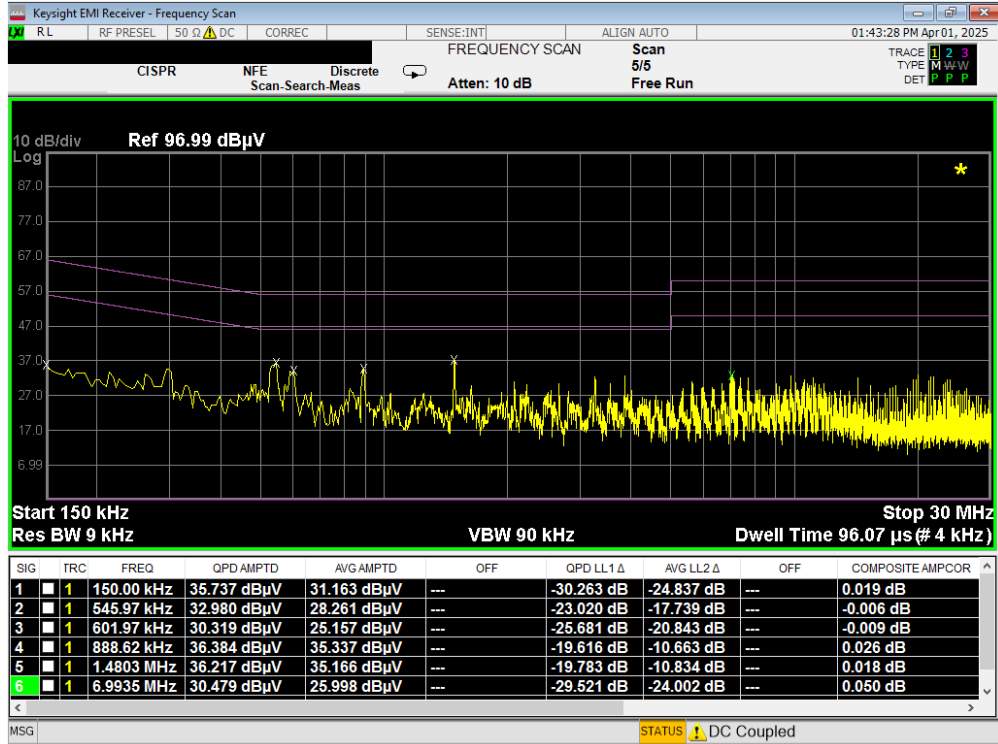


Plot 7-213. Line Conducted Plot with 802.11a UNII Band 3 (L1) – WCP

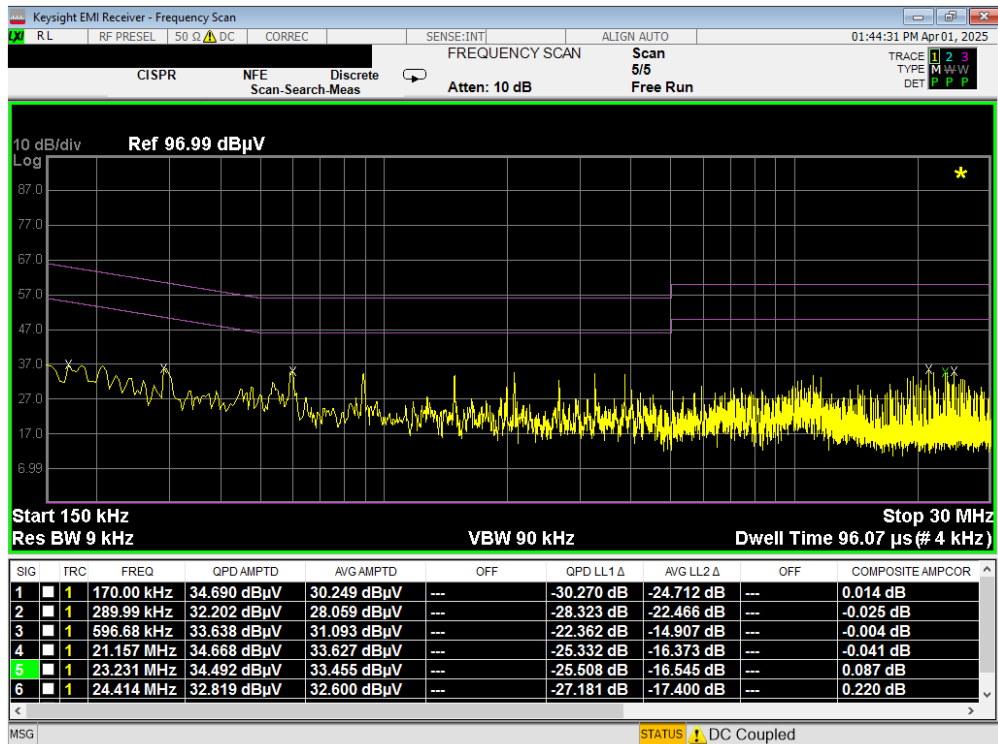


Plot 7-214. Line Conducted Plot with 802.11a UNII Band 3 (N) – WCP

FCC ID: A3LSMF966B	MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-215. Line Conducted Plot with 802.11a UNII Band 4 (L1) – WCP



Plot 7-216. Line Conducted Plot with 802.11a UNII Band 4 (N) – WCP

FCC ID: A3LSMF966B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502270019-15.A3L	Test Dates: 02/24/2025 - 05/05/2025	EUT Type: Portable Handset	Page 156 of 159

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 E (15.407) of the FCC Rules.

FCC ID: A3LSMF966B	MEASUREMENT REPORT		Approved by: Technical Manager
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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

5GHz WIFI (20MHz 802.11a MIMO)						Conducted Power Limit [dBm]	Conducted Power Margin [dB]
Band	Freq [MHz]	Channel	Avg. Conducted Powers [dBm]				
			ANT1	ANT2	MIMO		
UNII-1	5200	40	16.81	16.59	19.71	23.98	-4.27
UNII-2A	5280	56	17.99	17.60	20.81	23.98	-3.17
UNII-2C	5600	120	17.99	17.69	20.85	23.98	-3.13
UNII-3	5785	157	17.79	17.68	20.75	30.00	-9.25
UNII-4	5865	173	17.75	17.98	20.88	-	-

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

Radiated Spot-Checks – SM-F966B

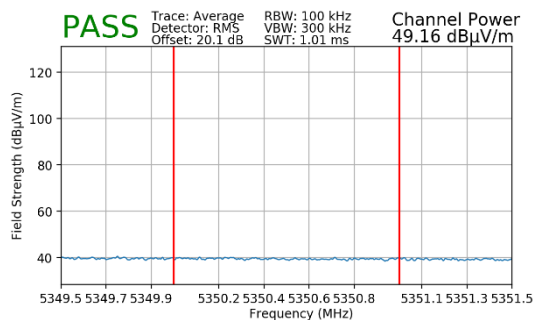
Mode	Antenna	UNII Band	Channel	Test Channel Freq. [MHz]	Restricted	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
802.11a	MIMO	4	177	5885	*	11770.00	Average	H	135	19	-76.21	18.48	49.27	53.98	-4.71
					*	11770.00	Peak	H	135	19	-63.50	18.48	61.98	73.98	-12.00

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

FCC ID: A3LSMF966B	MEASUREMENT REPORT		Approved by: Technical Manager
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Worst Case Mode:	802.11be
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	5320MHz
Channel:	64



Plot 9-1. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A)

Results

FCC Rules	Test Item	Test Case	Units	Limit	Reference Model: SM-F966U	Variant Model: SM-F966B	Deviation (dB)	Max Deviation (dB)	Pass/Fail
2.1046, 15.407(a)(8)	Conducted Output Power	Mid Channel Each UNII Band - 802.11a 20MHz	dBm	N/A	20.85	20.88	0.03	1	PASS
15.209, 15.407(b)(1), 15.407(b)(2), 15.407(b)(3), 15.407(b)(4)	Radiated Spurious Emissions	802.11a MIMO Ch.177 - 11770 - Average	dBuV/m	53.98	49.73	49.27	-0.46	3	PASS
15.209	Radiated Band Edge Emissions	802.11be MIMO Ch.64 - Average	dBuV/m	53.98	51.94	49.16	-2.78	3	PASS

Table 9-3. Summary of Spot-checks

FCC ID: A3LSMF966B	MEASUREMENT REPORT		Approved by: Technical Manager
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