

Test Setup

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

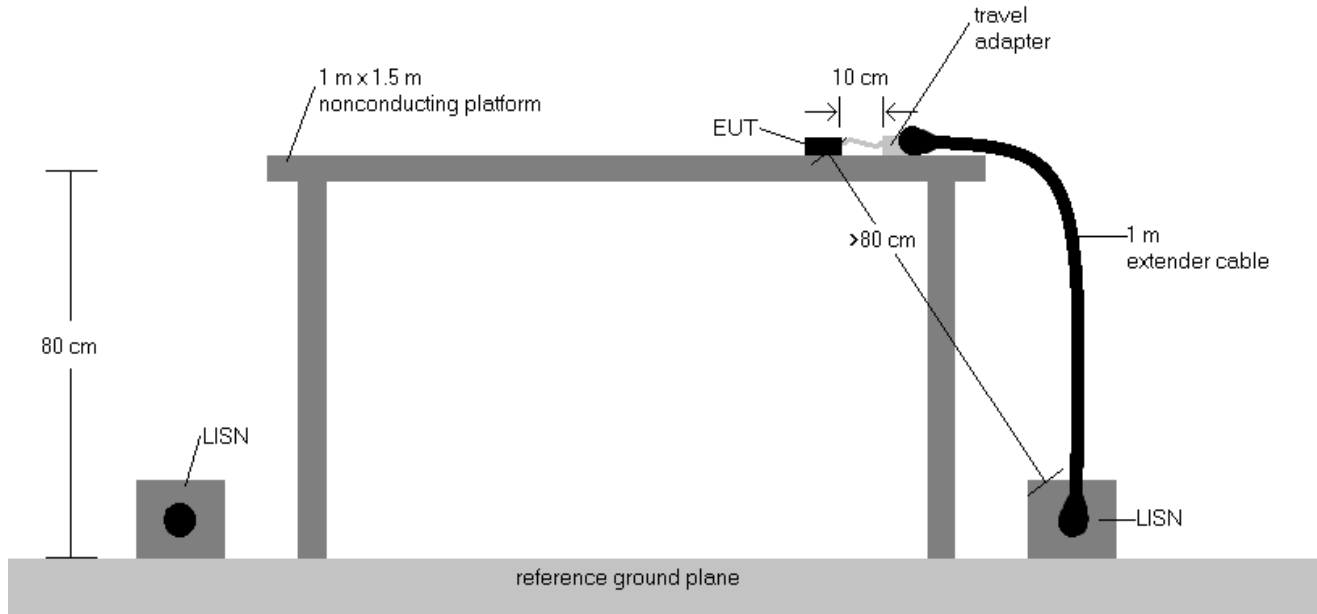
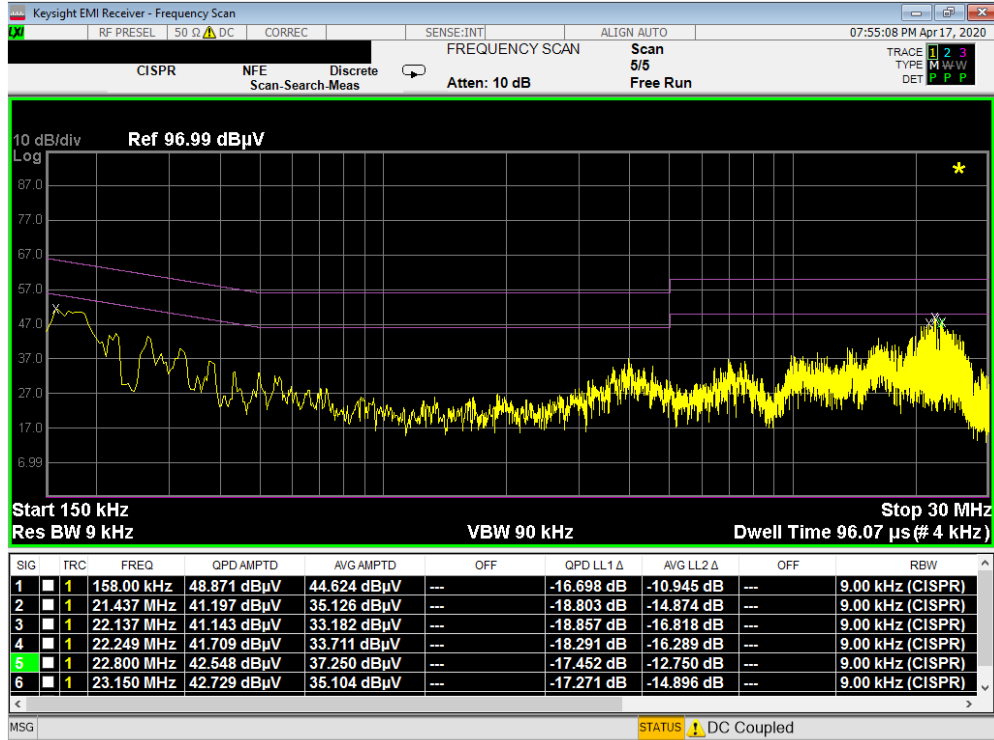


Figure 7-8. Test Instrument & Measurement Setup

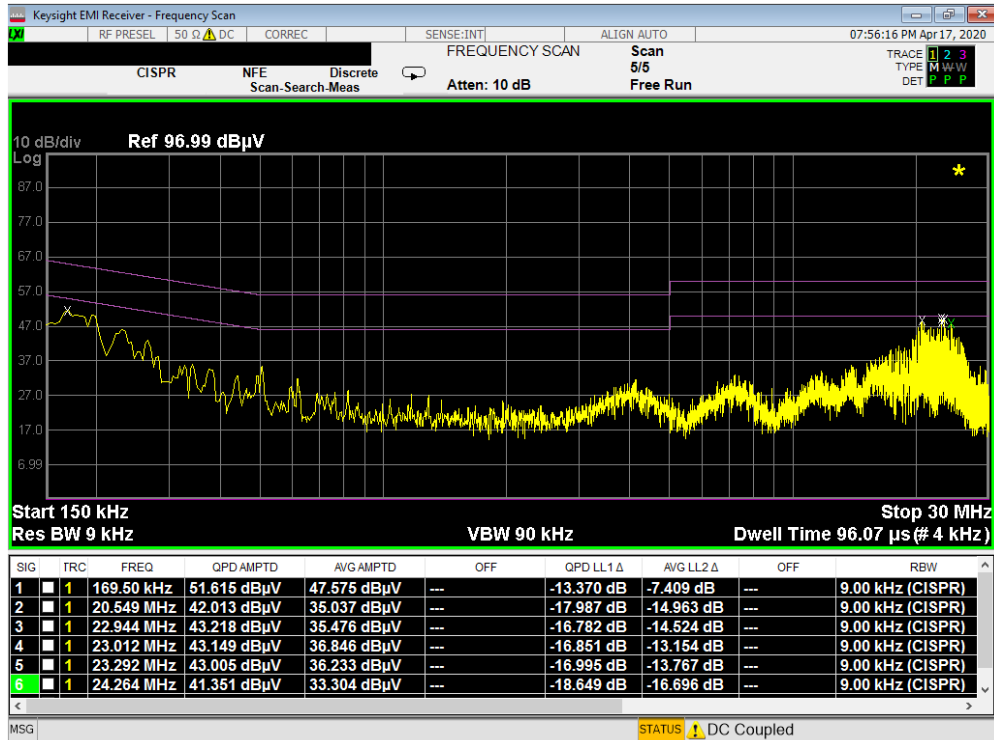
Test Notes

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 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.

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Test Report S/N: 1M2006240100-06.A3L	Test Dates: 07/21 - 08/31/2020	EUT Type: Portable Handset		Page 228 of 233

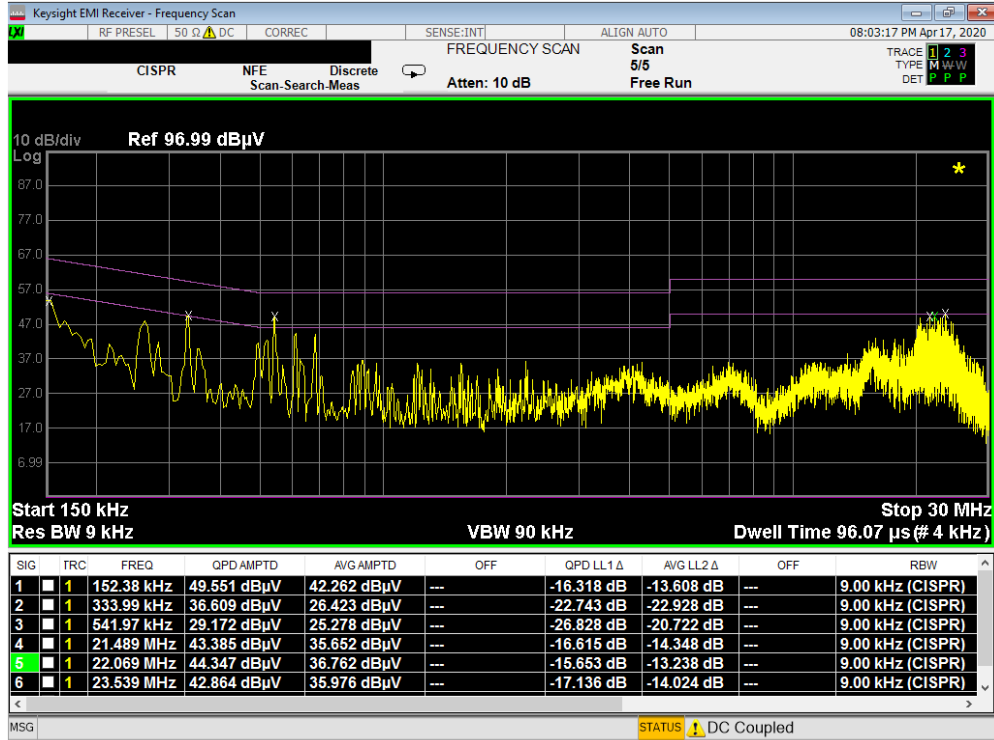


Plot 7-345. Line Conducted Plot with 802.11a UNII Band 1 (L1)

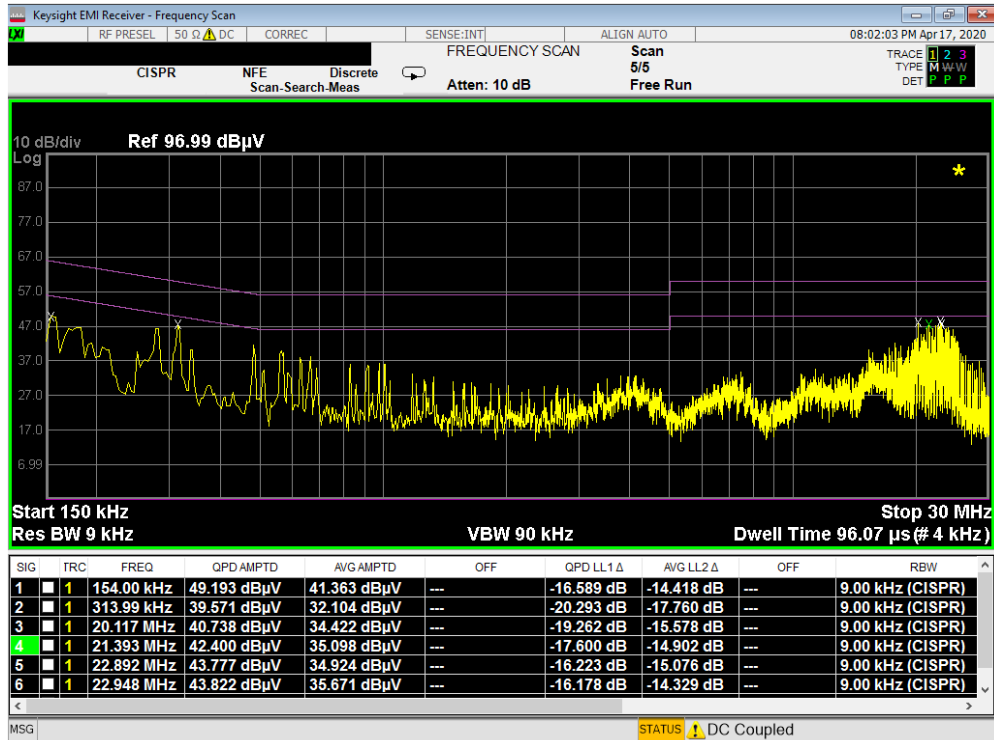


Plot 7-346. Line Conducted Plot with 802.11a UNII Band 1 (N)

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Test Report S/N: 1M2006240100-06.A3L	Test Dates: 07/21 - 08/31/2020	EUT Type: Portable Handset		Page 229 of 233

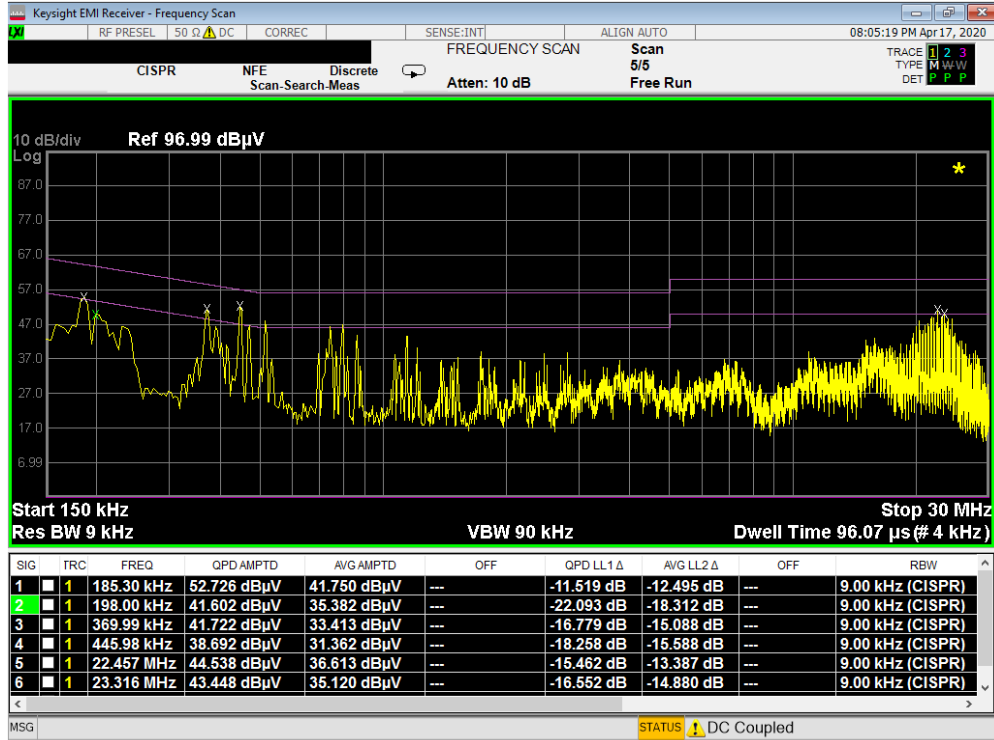


Plot 7-347. Line Conducted Plot with 802.11a UNII Band 2A (L1)

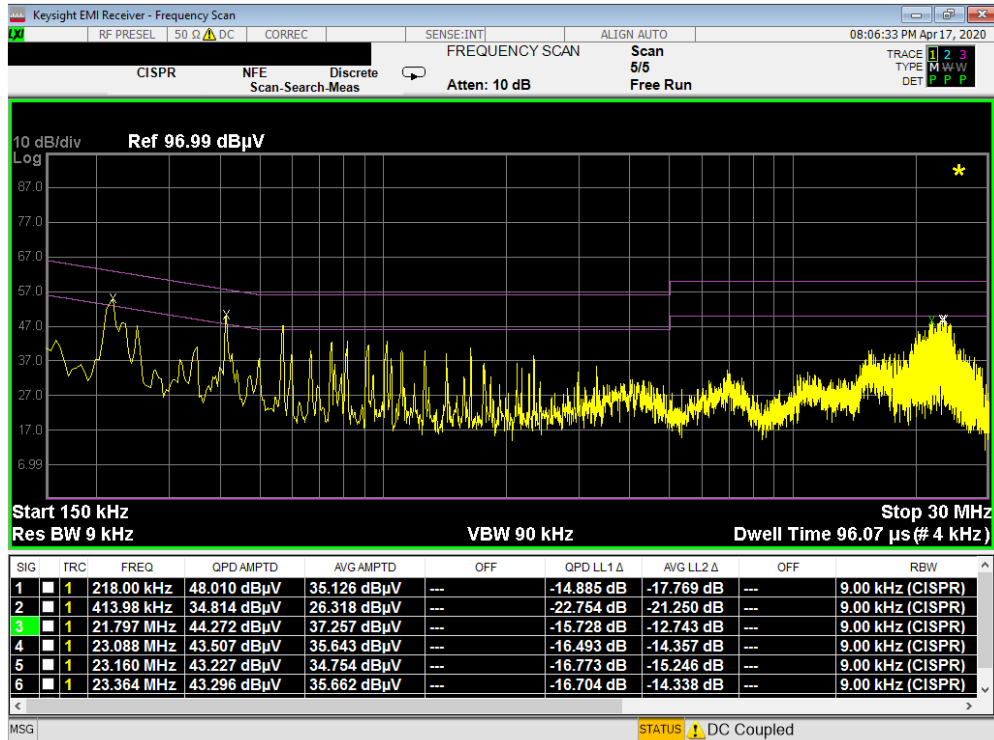


Plot 7-348. Line Conducted Plot with 802.11a UNII Band 2A (N)

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Test Report S/N: 1M2006240100-06.A3L	Test Dates: 07/21 - 08/31/2020	EUT Type: Portable Handset		Page 230 of 233

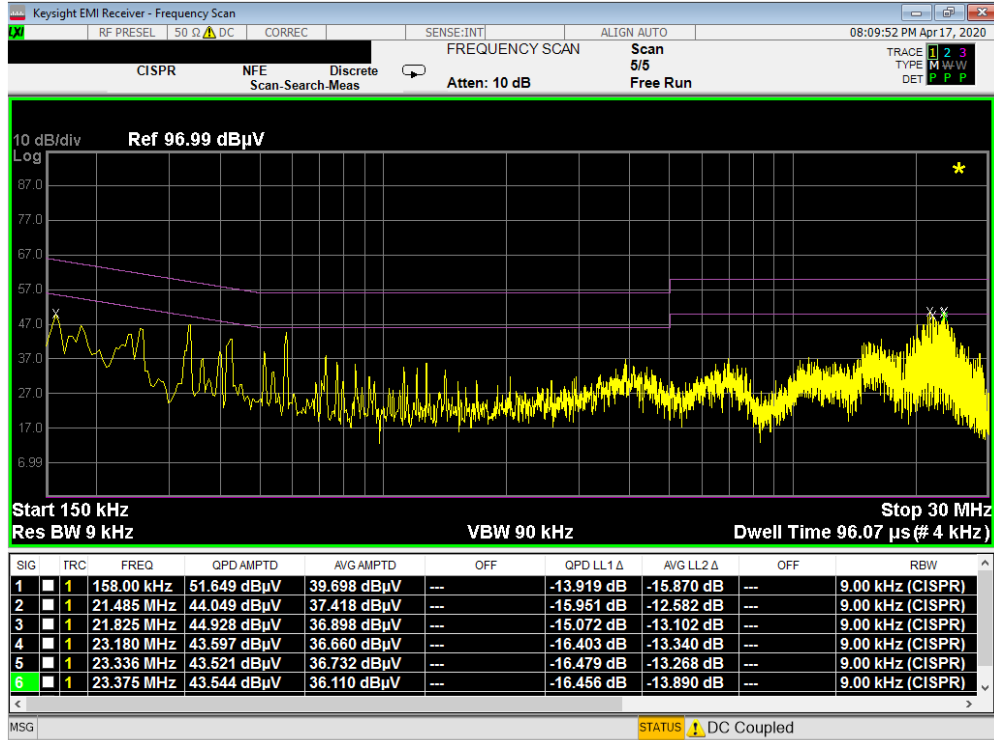


Plot 7-349. Line Conducted Plot with 802.11a UNII Band 2C (L1)

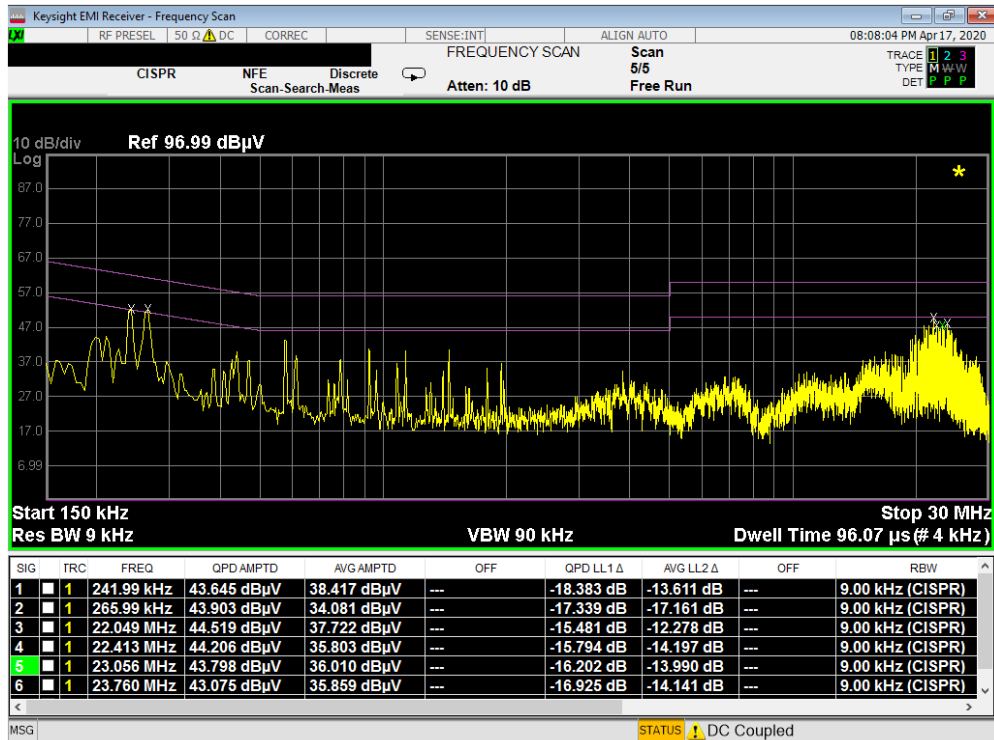


Plot 7-350. Line Conducted Plot with 802.11a UNII Band 2C (N)

FCC ID: A3LSMN986JPN		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2006240100-06.A3L	Test Dates: 07/21 - 08/31/2020	EUT Type: Portable Handset		Page 231 of 233



Plot 7-351. Line Conducted Plot with 802.11a UNII Band 3 (L1)



Plot 7-352. Line Conducted Plot with 802.11a UNII Band 3 (N)

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Test Report S/N: 1M2006240100-06.A3L	Test Dates: 07/21 - 08/31/2020	EUT Type: Portable Handset		Page 232 of 233

8.0 CONCLUSION

The data collected relate only the item(s) tested and show that the **Samsung Portable Handset FCC ID: A3LSMN986JPN** is in compliance with Part 15 Subpart E (15.407) of the FCC Rules.

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