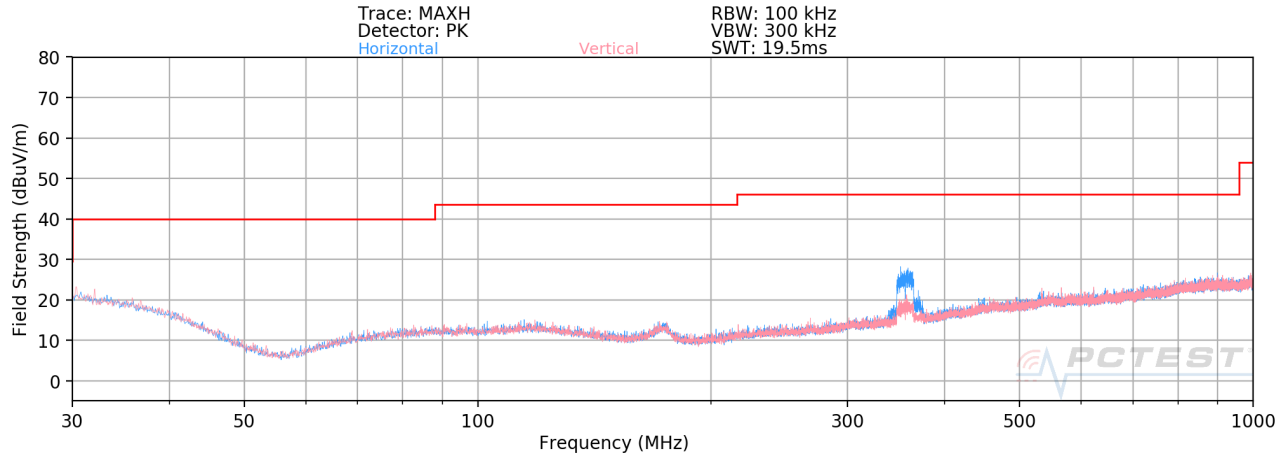
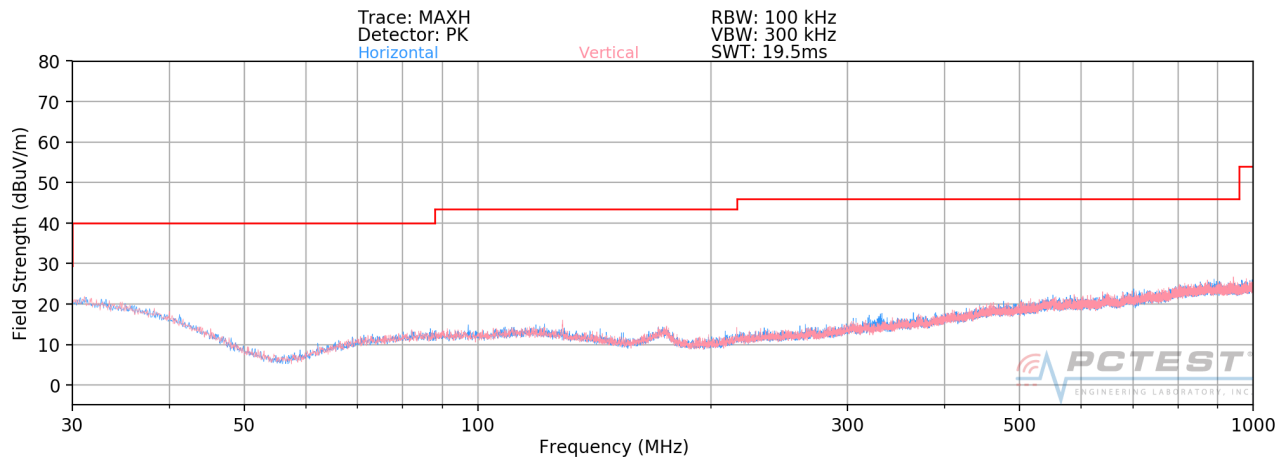


Simultaneous Tx Radiated Spurious Emissions Measurements (Below 1GHz)

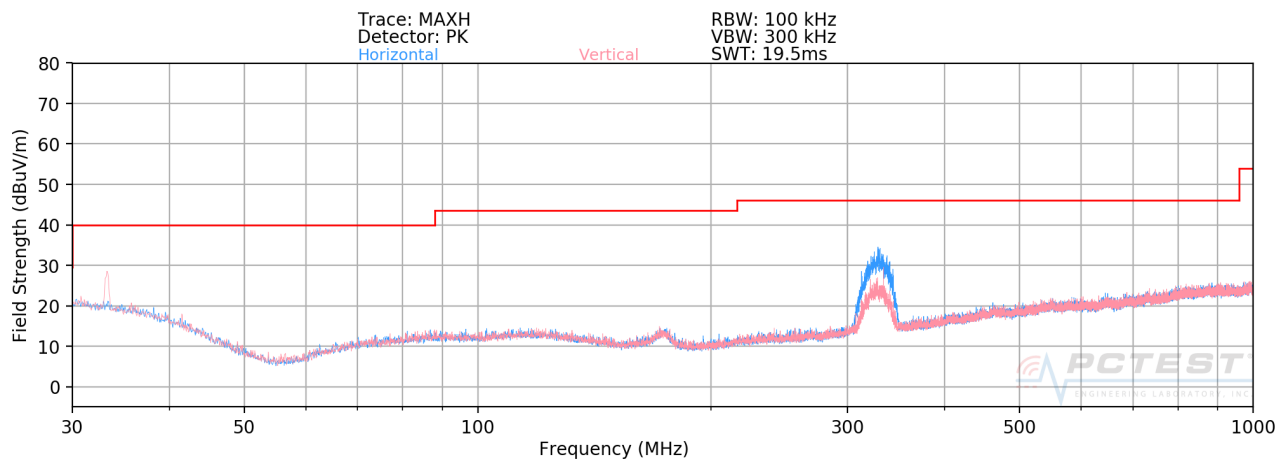
§15.209; RSS-Gen [8.9]



Plot 7-348. Radiated Spurious Plot below 1GHz (2.4GHz – 5GHz)



Plot 7-349. Radiated Spurious Plot below 1GHz (5GHz – 2.4 GHz)



Plot 7-350. Radiated Spurious Plot below 1GHz (Dual Band Simult. Tx)

FCC ID: ZNFV600AM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1912300229-07.ZNF	Test Dates: 12/30/2019 - 2/03/2020	EUT Type: Portable Handset		Page 227 of 234

7.8 Line-Conducted Test Data

§15.407; RSS-Gen [8.8]

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 Section 15.207 and RSS-Gen (8.8).

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

Table 7-70. Conducted Limits

*Decreases with the logarithm of the frequency.

Test Procedures Used

ANSI C63.10-2013, 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: ZNFV600AM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1912300229-07_ZNF	Test Dates: 12/30/2019 - 2/03/2020	EUT Type: Portable Handset	Page 228 of 234	

Test Setup

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

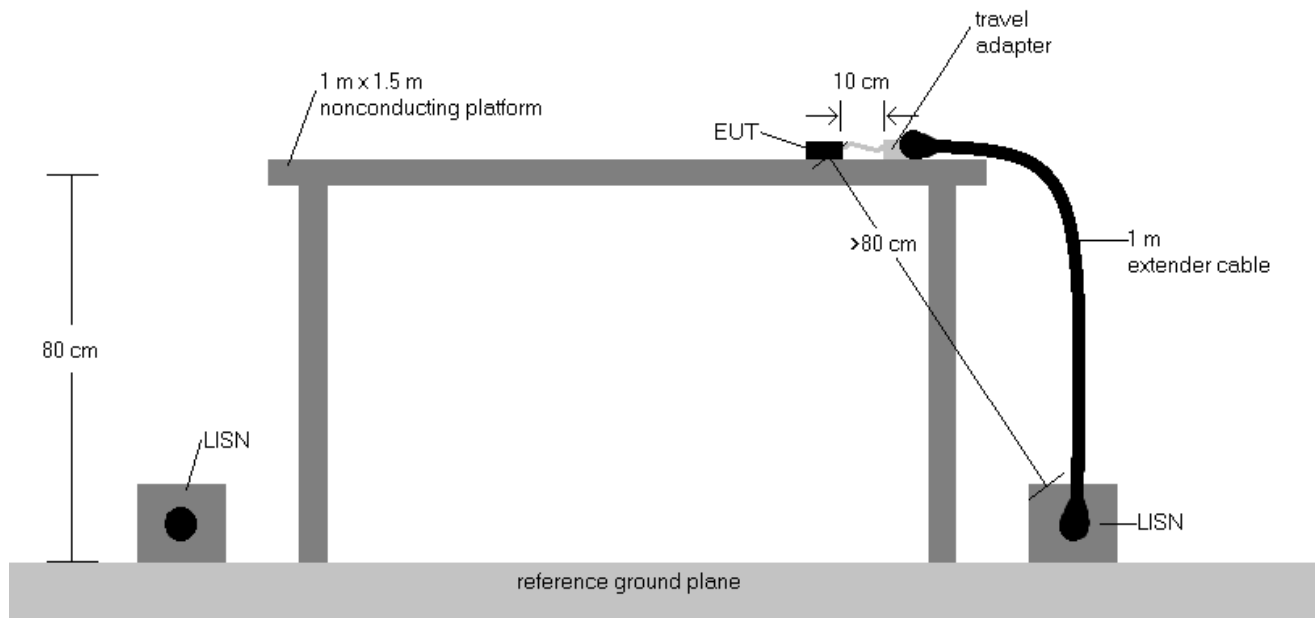
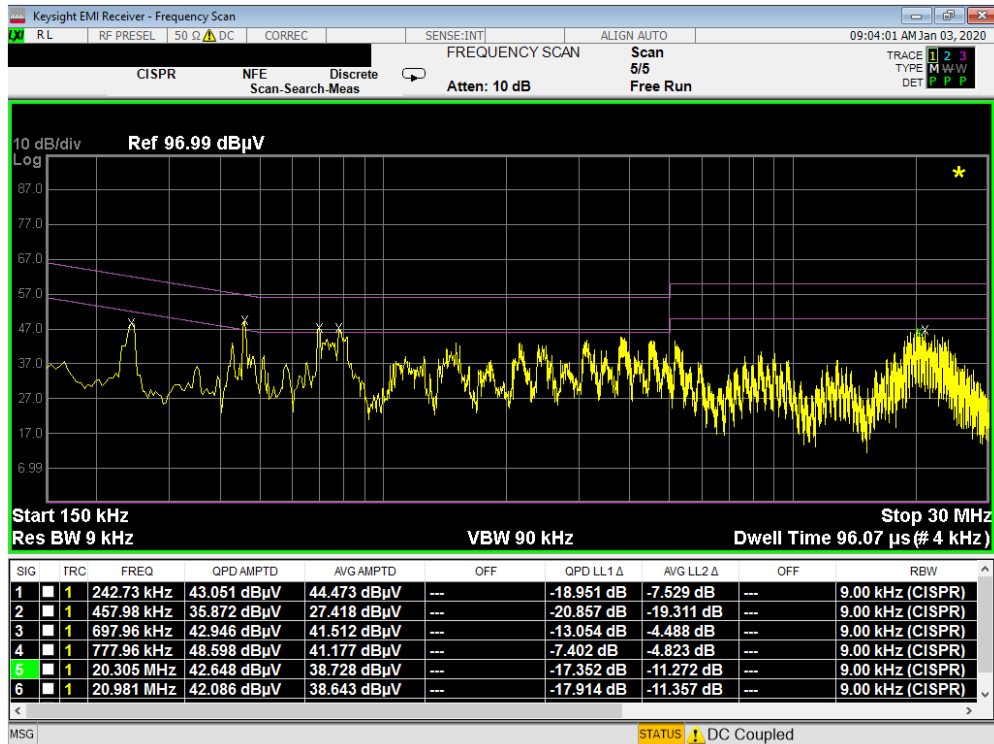


Figure 7-8. Test Instrument & Measurement Setup

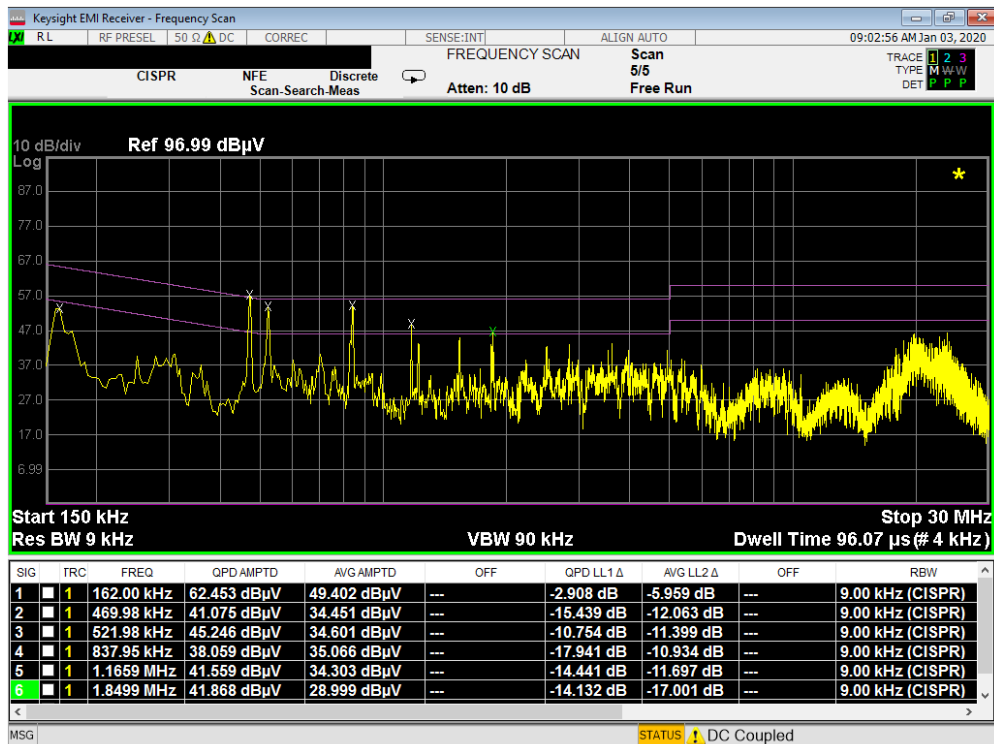
Test Notes

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.

FCC ID: ZNFV600AM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1912300229-07.ZNF	Test Dates: 12/30/2019 - 2/03/2020	EUT Type: Portable Handset		Page 229 of 234

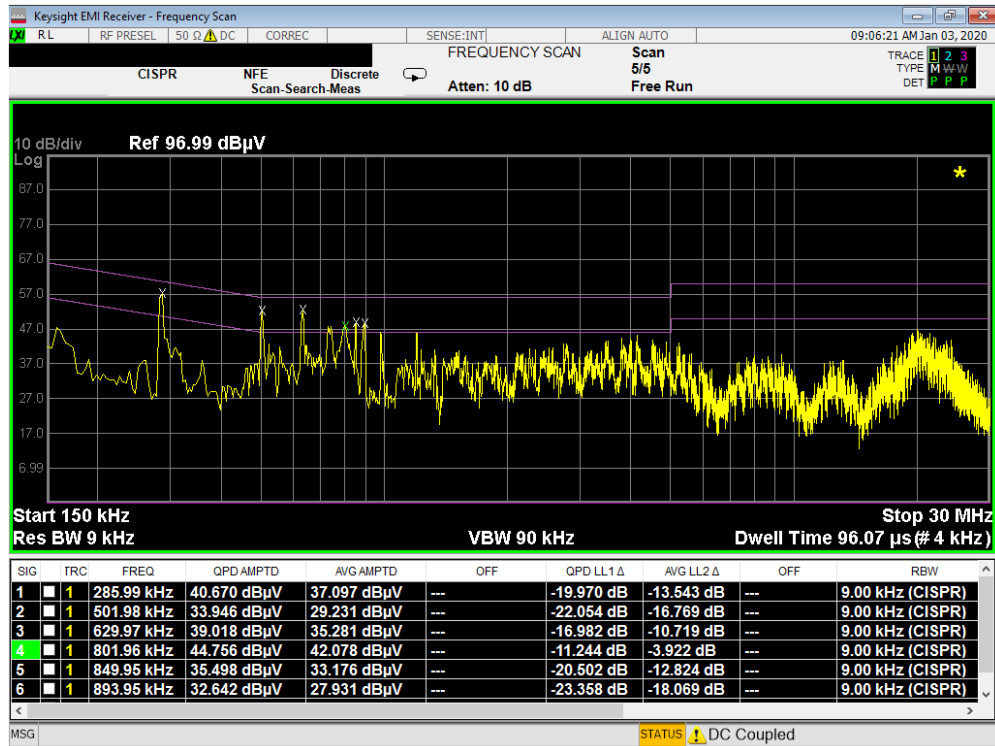


Plot 7-351. Line Conducted Plot with 802.11a UNII Band 1 (L1)

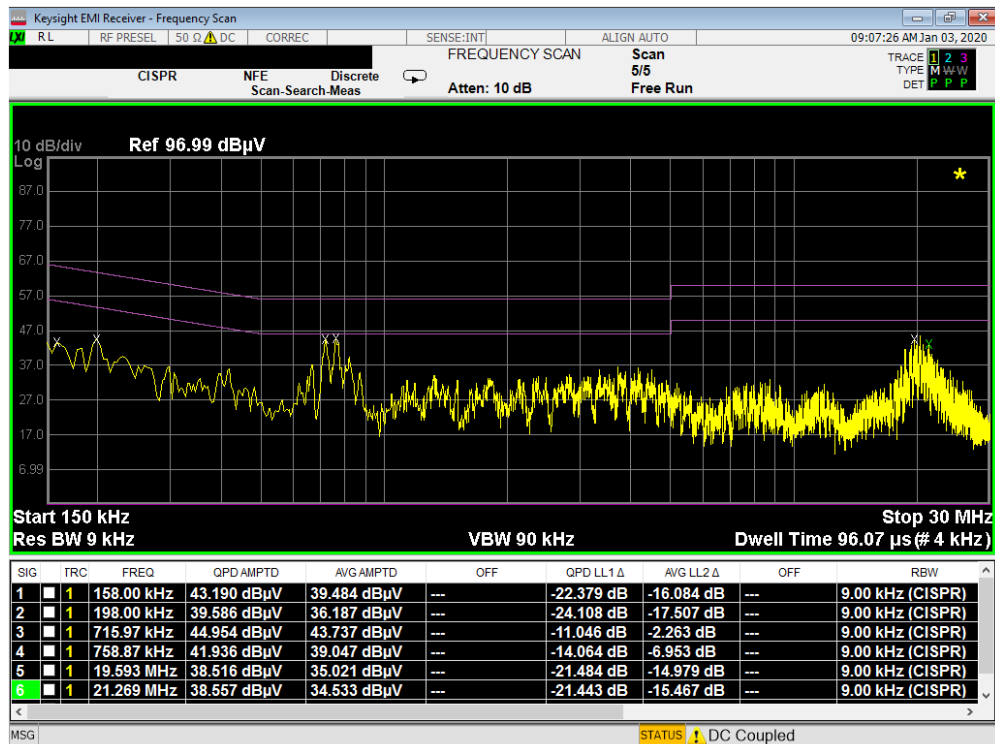


Plot 7-352. Line Conducted Plot with 802.11a UNII Band 1 (N)

FCC ID: ZNFV600AM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1912300229-07.ZNF	Test Dates: 12/30/2019 - 2/03/2020	EUT Type: Portable Handset		Page 230 of 234

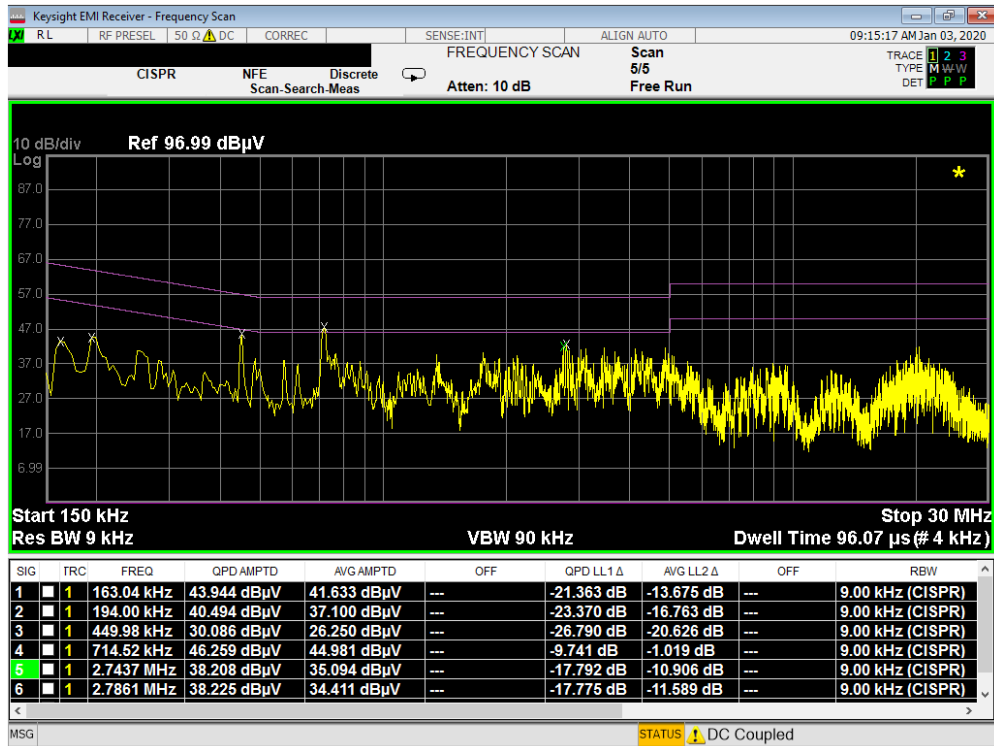


Plot 7-353. Line Conducted Plot with 802.11a UNII Band 2A (L1)

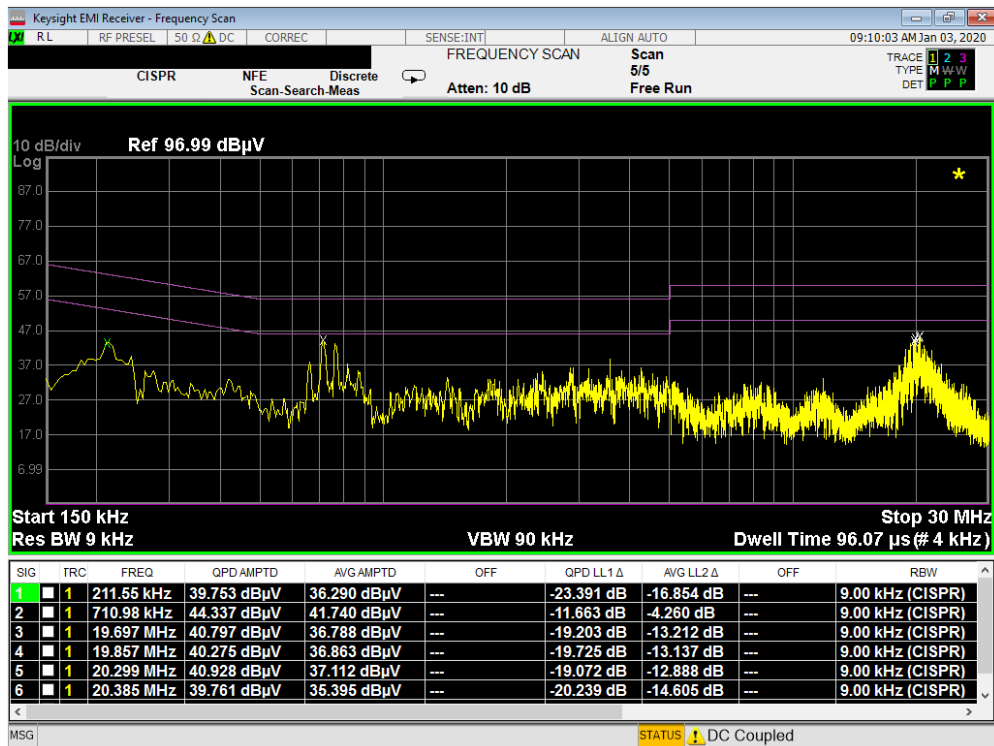


Plot 7-354. Line Conducted Plot with 802.11a UNII Band 2A (N)

FCC ID: ZNFV600AM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1912300229-07.ZNF	Test Dates: 12/30/2019 - 2/03/2020	EUT Type: Portable Handset		Page 231 of 234

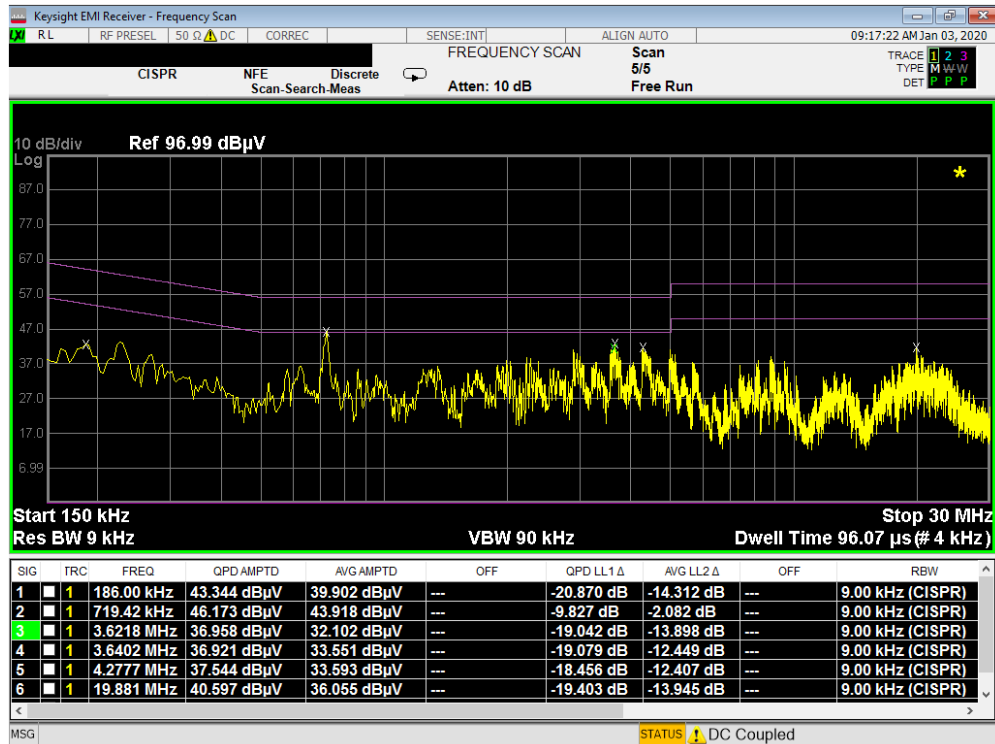


Plot 7-355. Line Conducted Plot with 802.11a UNII Band 2C (L1)

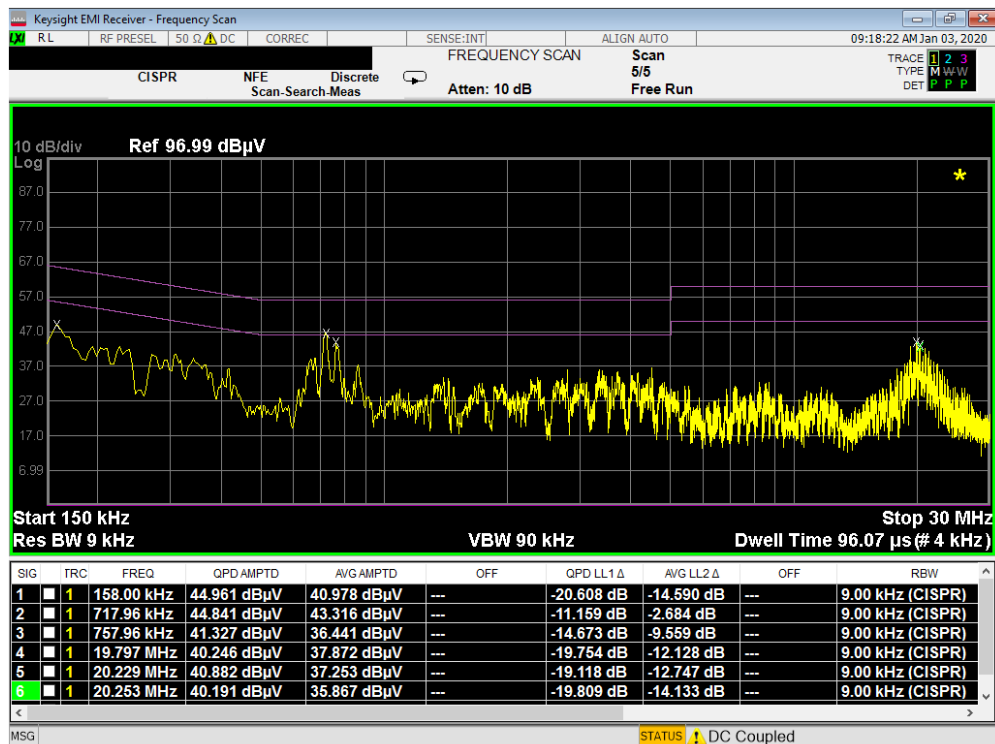


Plot 7-356. Line Conducted Plot with 802.11a UNII Band 2C (N)

FCC ID: ZNFV600AM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1912300229-07.ZNF	Test Dates: 12/30/2019 - 2/03/2020	EUT Type: Portable Handset		Page 232 of 234



Plot 7-357. Line Conducted Plot with 802.11a UNII Band 3 (L1)



Plot 7-358. Line Conducted Plot with 802.11a UNII Band 3 (N)

FCC ID: ZNFV600AM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1912300229-07.ZNF	Test Dates: 12/30/2019 - 2/03/2020	EUT Type: Portable Handset		Page 233 of 234

8.0 CONCLUSION

The data collected relate only the item(s) tested and show that the **LG Portable Handset** **FCC ID: ZNFV600AM** is in compliance with Part 15 Subpart E (15.407) of the FCC Rules.

FCC ID: ZNFV600AM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1912300229-07.ZNF	Test Dates: 12/30/2019 - 2/03/2020	EUT Type: Portable Handset	Page 234 of 234	