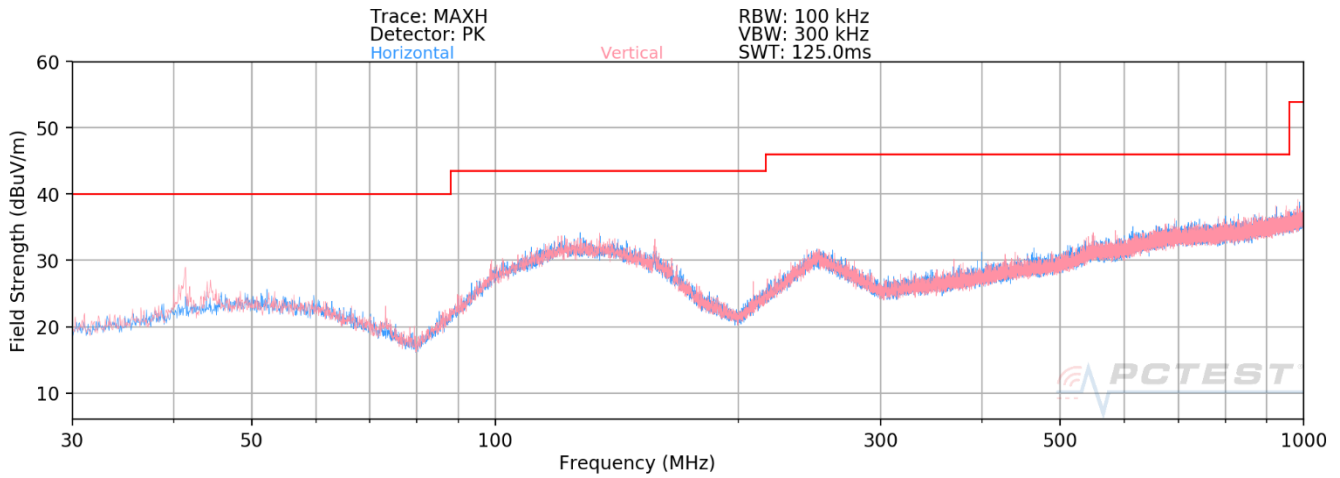
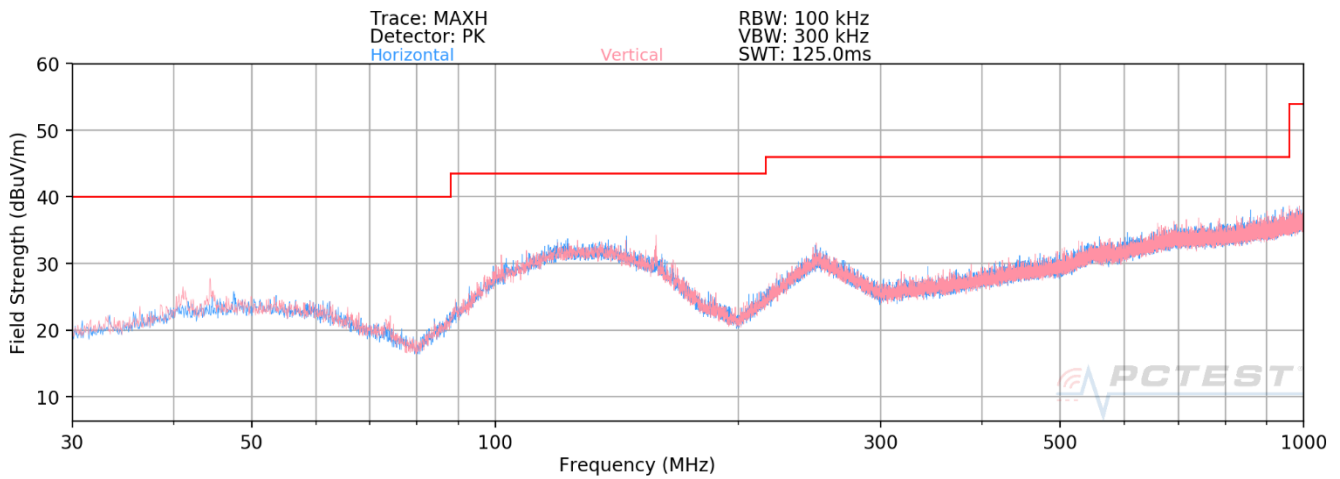


Plot 7-98. 30MHz - 1 GHz Pre-Scan Plots ANT1 – CH 5

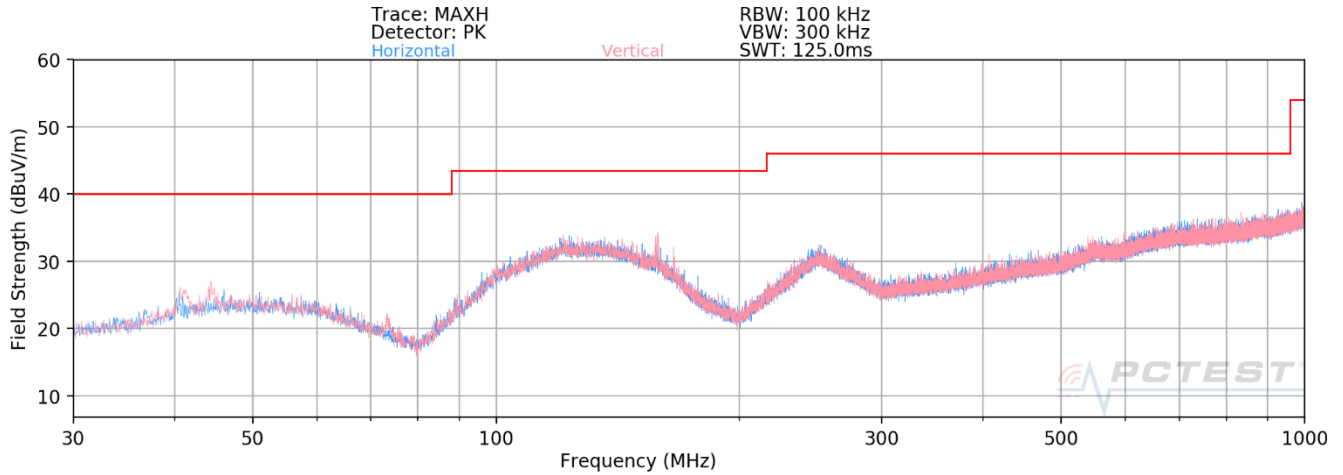


Plot 7-99. 30MHz - 1 GHz Pre-Scan Plots ANT1 – CH 9



Plot 7-100. 30MHz - 1 GHz Pre-Scan Plots ANT2 – CH 5

FCC ID: A3LSMF926U	 Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	 Approved by: Technical Manager
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Plot 7-101. 30MHz - 1 GHz Pre-Scan Plots ANT2 – CH 5

FCC ID: A3LSMF926U	 Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104020031-12-R2.A3L	Test Dates: 3/26 – 6/03/2021	EUT Type: Portable Headset	Page 75 of 82	

7.7 Line Conducted Measurement Data

§15.207

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 emissions must not exceed the limits shown in Table 7-19 per FCC 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 7-19. Conducted Limits

*Decreases with the logarithm of the frequency.

Test Procedures Used

ANSI C63.4-2014

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

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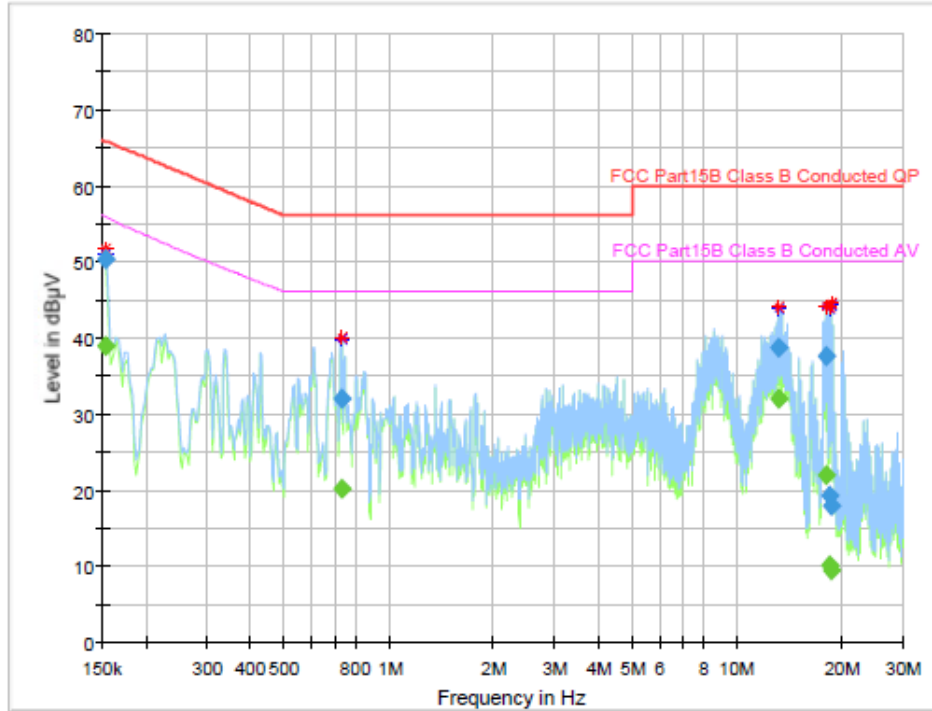
Test Setup

The EUT and measurement equipment were set up as shown in the test setup photos provided.

Test Notes

1. All Modes of operation were investigated and the worst-case emissions are reported.
2. The limit for Class B device(s) from 150kHz to 30MHz are specified in Section 15.107 and ICES-003.
3. L1 = Phase; N = Neutral
4. Corr. (dB) = Cable loss (dB) + LISN insertion factor (dB)
5. QP/AV Level (dBμV) = QP/AV Reading (dBμV) + Factor (dB)
6. Margin (dB) = QP/AV Limit (dBμV) – QP/AV Level (dBμV)
7. Traces shown in plot are made using a peak detector.
8. Deviations to the Specifications: None.

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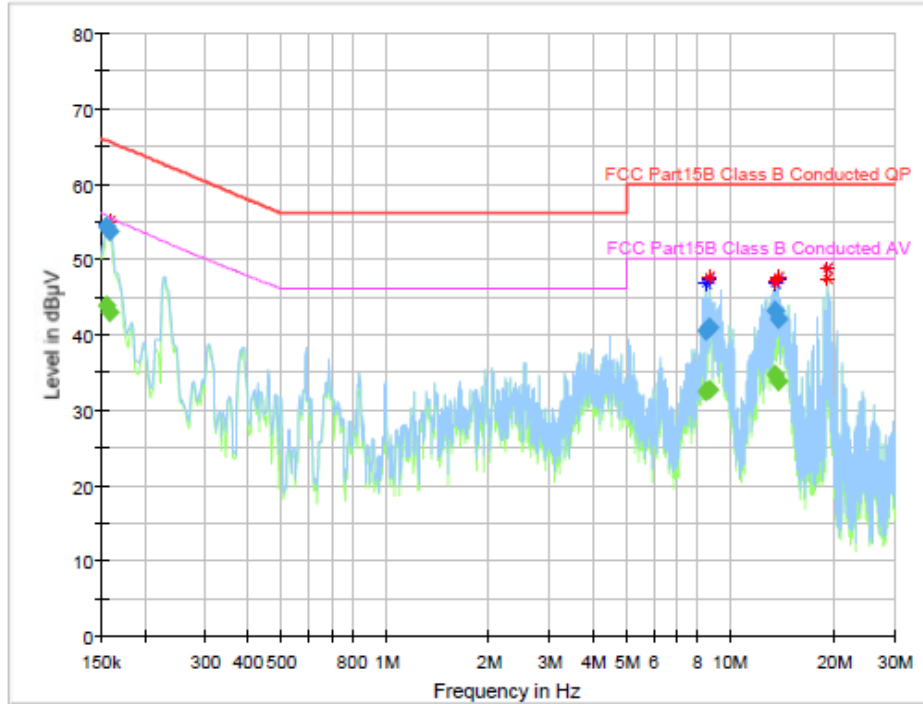


Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.152985	—	38.88	55.82	16.94	1000.0	9.000	L1	9.8
0.152985	50.28	—	65.84	15.55	1000.0	9.000	L1	9.8
0.729090	—	20.06	46.00	25.94	1000.0	9.000	L1	9.9
0.729090	32.03	—	56.00	23.97	1000.0	9.000	L1	9.9
13.164600	—	31.87	50.00	18.13	1000.0	9.000	L1	10.0
13.164600	38.70	—	60.00	21.30	1000.0	9.000	L1	10.0
18.170445	—	21.99	50.00	28.01	1000.0	9.000	L1	10.0
18.170445	37.62	—	60.00	22.38	1000.0	9.000	L1	10.0
18.510735	—	10.04	50.00	39.96	1000.0	9.000	L1	10.0
18.510735	19.27	—	60.00	40.73	1000.0	9.000	L1	10.0
18.692820	—	9.33	50.00	40.67	1000.0	9.000	L1	10.0
18.692820	17.94	—	60.00	42.06	1000.0	9.000	L1	10.0

Plot 7-102. Line Conducted Plot (L1) ANT 1 – CH 5

FCC ID: A3LSMF926U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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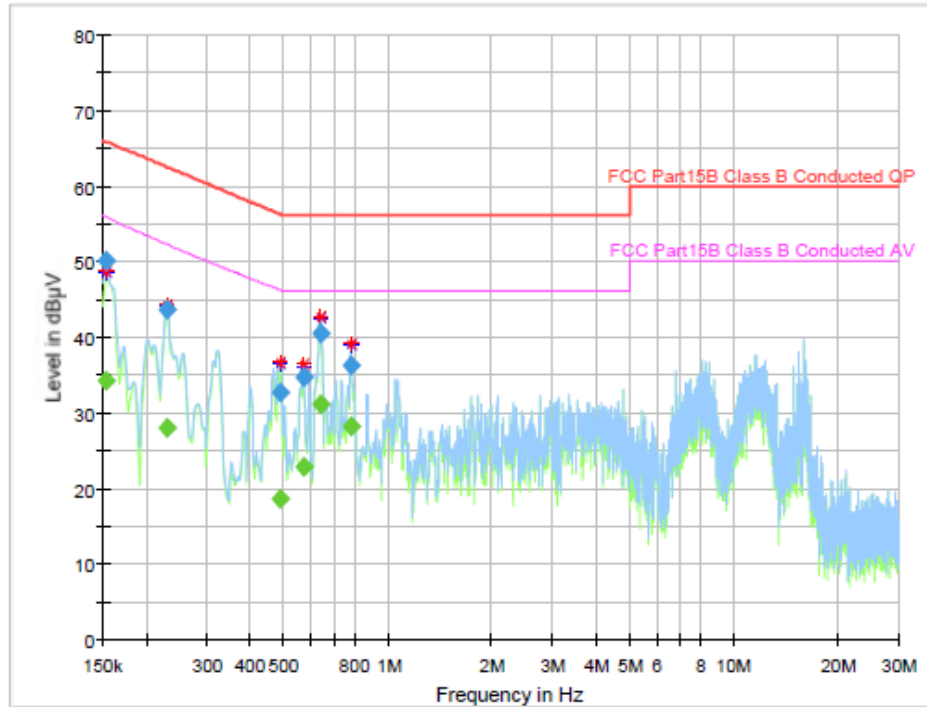


Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.155970	—	43.78	55.64	11.87	1000.0	9.000	N	9.8
0.155970	54.28	—	65.68	11.40	1000.0	9.000	N	9.8
0.158955	—	42.97	55.47	12.50	1000.0	9.000	N	9.9
0.158955	53.54	—	65.52	11.98	1000.0	9.000	N	9.9
8.493075	—	32.40	50.00	17.60	1000.0	9.000	N	9.9
8.493075	40.54	—	60.00	19.46	1000.0	9.000	N	9.9
8.722920	—	32.63	50.00	17.37	1000.0	9.000	N	9.9
8.722920	40.99	—	60.00	19.01	1000.0	9.000	N	9.9
13.519815	—	34.72	50.00	15.28	1000.0	9.000	N	10.0
13.519815	43.10	—	60.00	16.90	1000.0	9.000	N	10.0
13.851150	—	33.78	50.00	16.22	1000.0	9.000	N	10.0
13.851150	42.06	—	60.00	17.94	1000.0	9.000	N	10.0

Plot 7-103. Line Conducted Plot (N) ANT 1 – CH 5

FCC ID: A3LSMF926U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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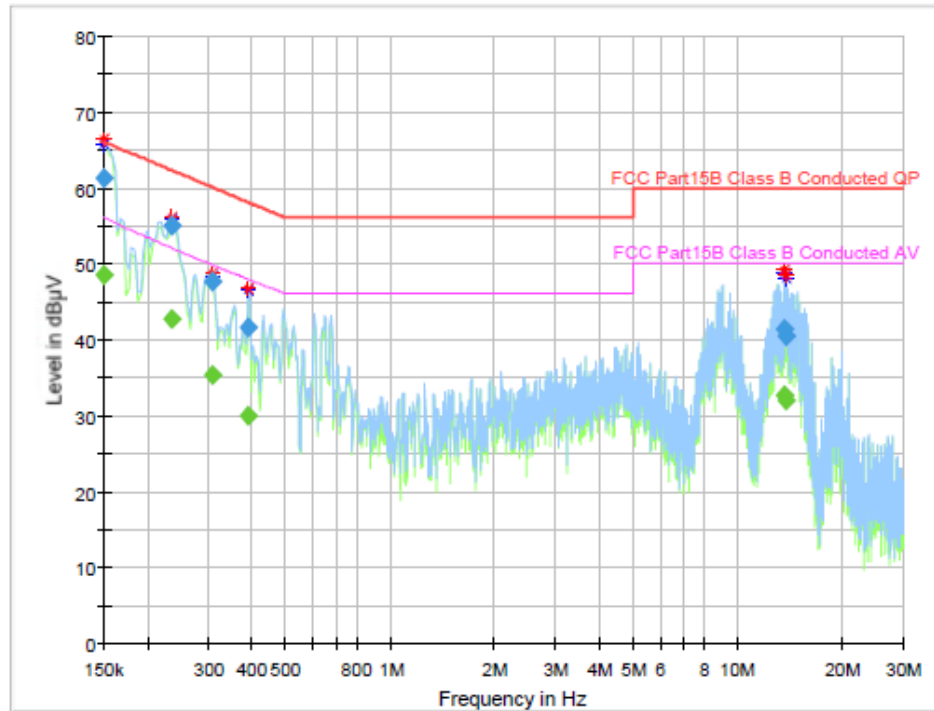


Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.152985	—	34.28	55.82	21.54	1000.0	9.000	L1	9.8
0.152985	49.95	—	65.84	15.89	1000.0	9.000	L1	9.8
0.230595	—	27.82	52.20	24.38	1000.0	9.000	L1	9.7
0.230595	43.50	—	62.43	18.93	1000.0	9.000	L1	9.7
0.490290	—	18.64	46.15	27.51	1000.0	9.000	L1	10.0
0.490290	32.68	—	56.16	23.49	1000.0	9.000	L1	10.0
0.570885	—	22.78	46.00	23.22	1000.0	9.000	L1	10.0
0.570885	34.61	—	56.00	21.39	1000.0	9.000	L1	10.0
0.639540	—	31.05	46.00	14.95	1000.0	9.000	L1	10.0
0.639540	40.54	—	56.00	15.46	1000.0	9.000	L1	10.0
0.782820	—	28.12	46.00	17.88	1000.0	9.000	L1	9.9
0.782820	36.21	—	56.00	19.79	1000.0	9.000	L1	9.9

Plot 7-104. Line Conducted Plot (L1) ANT 2 – CH 5

FCC ID: A3LSMF926U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.150000	—	48.51	56.00	7.49	1000.0	9.000	N	9.7
0.150000	61.27	—	66.00	4.73	1000.0	9.000	N	9.7
0.236565	—	42.77	51.98	9.21	1000.0	9.000	N	9.7
0.236565	55.05	—	62.22	7.17	1000.0	9.000	N	9.7
0.308205	—	35.23	49.78	14.56	1000.0	9.000	N	9.7
0.308205	47.51	—	60.02	12.51	1000.0	9.000	N	9.7
0.391785	—	29.96	47.87	17.91	1000.0	9.000	N	10.0
0.391785	41.62	—	58.03	16.41	1000.0	9.000	N	10.0
13.701900	—	32.73	50.00	17.27	1000.0	9.000	N	10.0
13.701900	41.38	—	60.00	18.62	1000.0	9.000	N	10.0
13.800405	—	32.02	50.00	17.98	1000.0	9.000	N	10.0
13.800405	40.40	—	60.00	19.60	1000.0	9.000	N	10.0

Plot 7-105. Line Conducted Plot (N) ANT 2 – CH 5

FCC ID: A3LSMF926U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the **Samsung Portable Handset FCC ID: A3LSMF926U** has been tested to comply with the requirements specified in §15.519 and §15.521 of the FCC rules.

FCC ID: A3LSMF926U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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