

11. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

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

*Decreases with the logarithm of the frequency.

TEST PROCEDURE

The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.10.

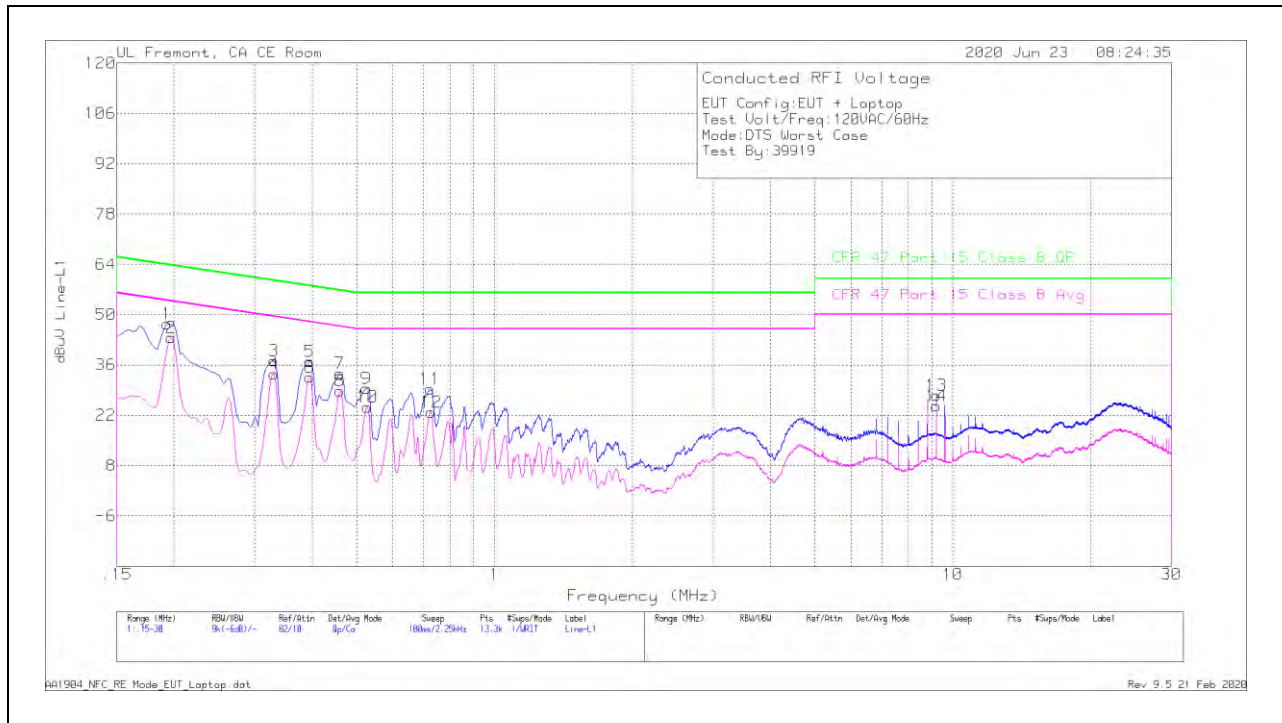
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

Line conducted data is recorded for both NEUTRAL and HOT lines.

RESULTS

11.1. AC POWER LINE with Laptop

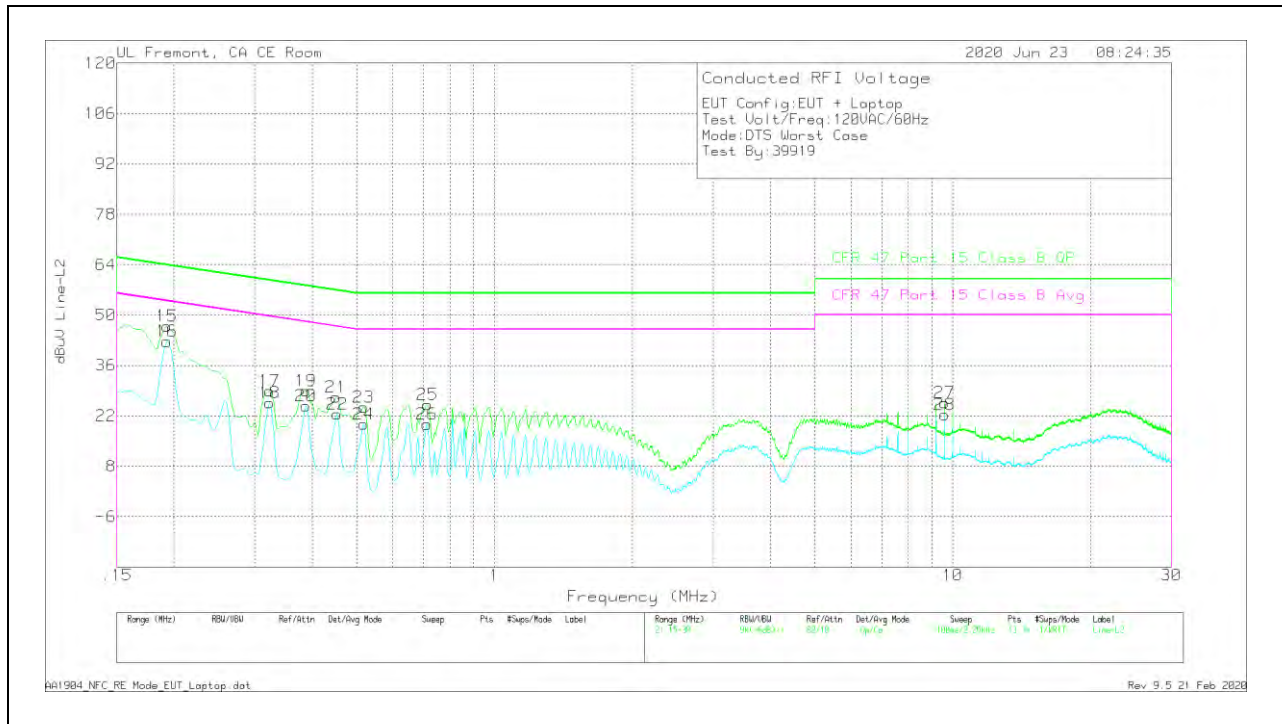
LINE 1 RESULTS



Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	PRE018644 6 LISN L1	LC Cables C1&C3	Limiters (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)M argin (dB)
1	.19275	37.49	Qp	0	0	10	47.49	63.92	-16.43	-	-
2	.19725	33.55	Ca	0	0	10	43.55	-	-	53.73	-10.18
3	.33	27.09	Qp	0	0	10	37.09	59.45	-22.36	-	-
4	.33	23.5	Ca	0	0	10	33.5	-	-	49.45	-15.95
5	.39525	26.92	Qp	0	0	10	36.92	57.95	-21.03	-	-
6	.39525	22.66	Ca	0	0	10	32.66	-	-	47.95	-15.29
7	.4605	23.65	Qp	0	0	10	33.65	56.68	-23.03	-	-
8	.4605	18.76	Ca	0	0	10	28.76	-	-	46.68	-17.92
9	.52575	19.53	Qp	0	0	10	29.53	56	-26.47	-	-
10	.528	14.34	Ca	0	0	10	24.34	-	-	46	-21.66
11	.72375	19.37	Qp	0	0	10	29.37	56	-26.63	-	-
12	.72825	12.92	Ca	0	0	10	22.92	-	-	46	-23.08
13	9.2085	17.33	Qp	0	.2	10.1	27.63	60	-32.37	-	-
14	9.2085	14.38	Ca	0	.2	10.1	24.68	-	-	50	-25.32

Qp - Quasi-Peak detector
 Ca - CISPR average detection

LINE 2 RESULTS

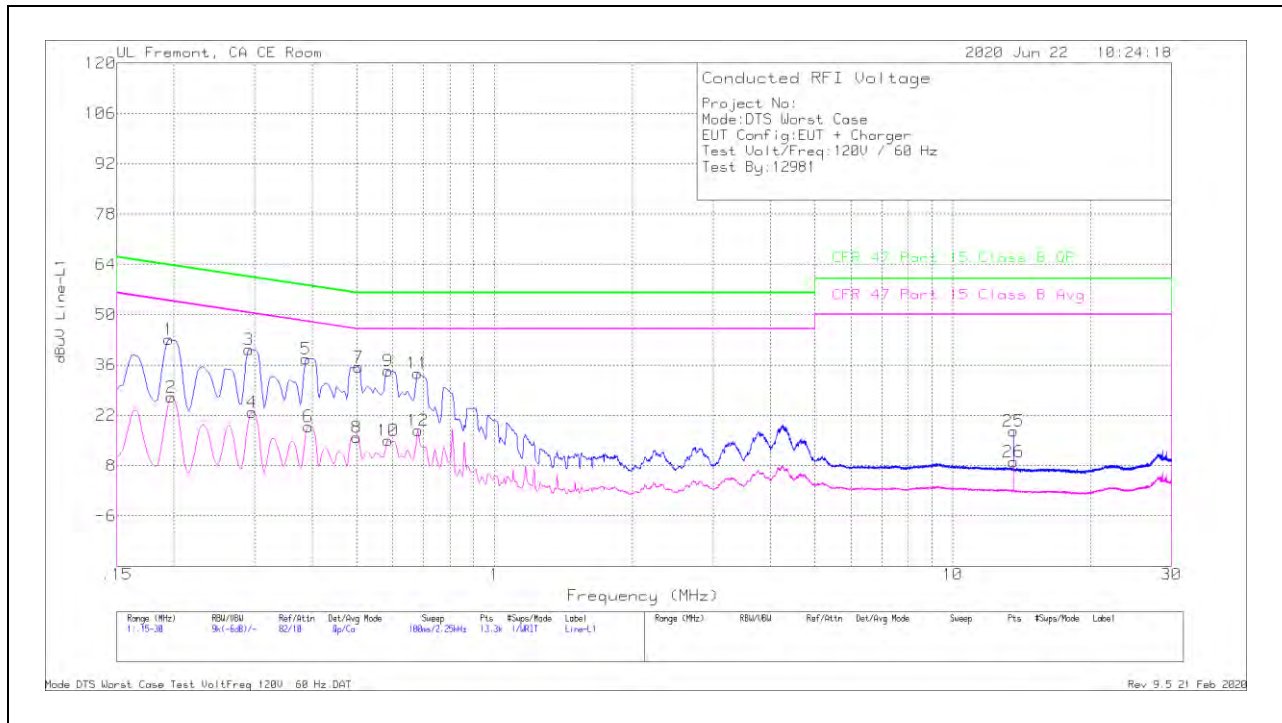


Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	PRE018644 6 LISN L2	LC Cables C2&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)M argin (dB)
15	.19275	36.92	Qp	0	0	10	46.92	63.92	-17	-	-
16	.19275	32.67	Ca	0	0	10	42.67	-	-	53.92	-11.25
17	.32325	18.97	Qp	0	0	10	28.97	59.62	-30.65	-	-
18	.32325	15.59	Ca	0	0	10	25.59	-	-	49.62	-24.03
19	.3885	18.91	Qp	0	0	10	28.91	58.1	-29.19	-	-
20	.3885	14.85	Ca	0	0	10	24.85	-	-	48.1	-23.25
21	.4515	17.22	Qp	0	0	10	27.22	56.85	-29.63	-	-
22	.45375	12.45	Ca	0	0	10	22.45	-	-	46.81	-24.36
23	.519	14.44	Qp	0	0	10	24.44	56	-31.56	-	-
24	.519	9.79	Ca	0	0	10	19.79	-	-	46	-26.21
25	.71475	15.09	Qp	0	0	10	25.09	56	-30.91	-	-
26	.7125	9.64	Ca	0	0	10	19.64	-	-	46	-26.36
27	9.58875	15.35	Qp	0	.2	10.1	25.65	60	-34.35	-	-
28	9.58875	12.01	Ca	0	.2	10.1	22.31	-	-	50	-27.69

Qp - Quasi-Peak detector
 Ca - CISPR average detection

11.2. AC POWER LINE with AC/DC Adapter

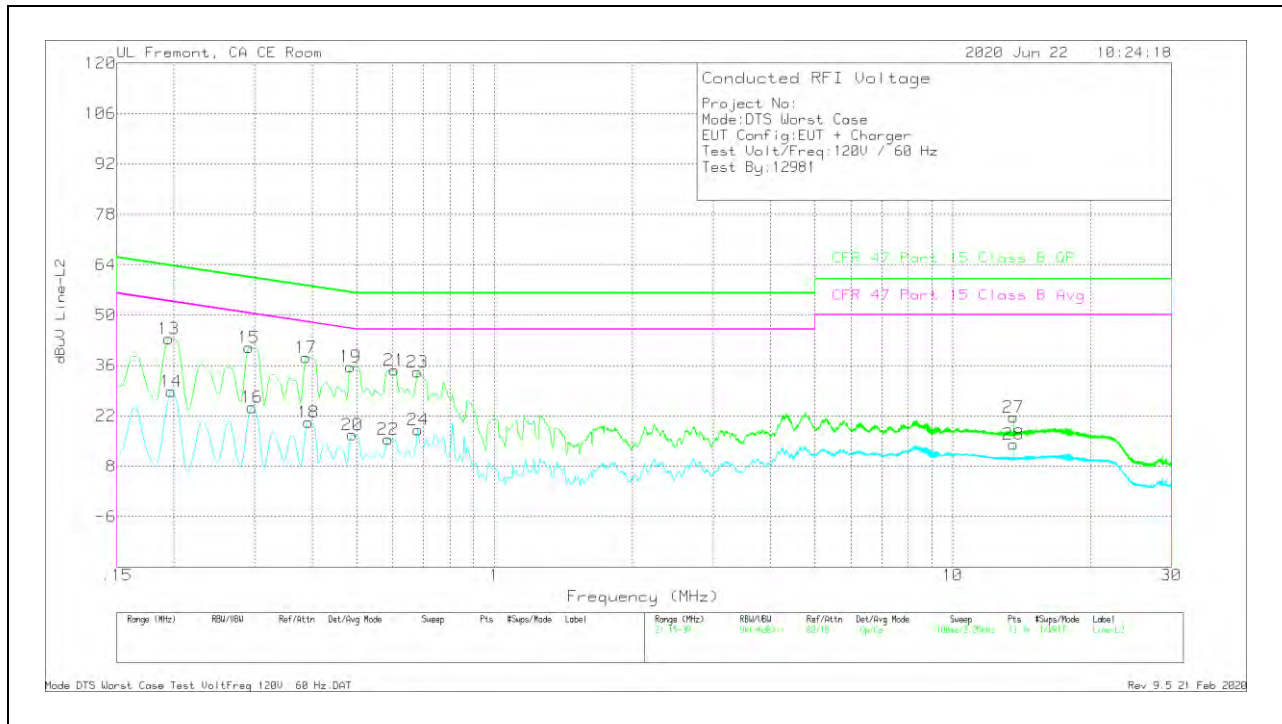
LINE 1 RESULTS



Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	PRE018644 6 LISN L1	LC Cables C1&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)M argin (dB)
1	.195	33.03	Qp	0	0	10	43.03	63.82	-20.79	-	-
2	.19725	17.09	Ca	0	0	10	27.09	-	-	53.73	-26.64
3	.29175	30.37	Qp	0	0	10	40.37	60.47	-20.1	-	-
4	.29625	12.86	Ca	0	0	10	22.86	-	-	50.35	-27.49
5	.3885	27.74	Qp	0	0	10	37.74	58.1	-20.36	-	-
6	.393	8.93	Ca	0	0	10	18.93	-	-	48	-29.07
7	.5055	25.4	Qp	0	0	10	35.4	56	-20.6	-	-
8	.501	5.82	Ca	0	0	10	15.82	-	-	46	-30.18
9	.5865	24.37	Qp	0	0	10	34.37	56	-21.63	-	-
10	.5865	4.93	Ca	0	0	10	14.93	-	-	46	-31.07
11	.67875	23.72	Qp	0	0	10	33.72	56	-22.28	-	-
12	.681	7.77	Ca	0	0	10	17.77	-	-	46	-28.23
25	13.56	7.17	Qp	.1	.2	10.1	17.57	60	-42.43	-	-
26	13.56	-1.27	Ca	.1	.2	10.1	9.13	-	-	50	-40.87

Qp - Quasi-Peak detector
 Ca - CISPR average detection

LINE 2 RESULTS



Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	PRE018644 6 LISN L2	LC Cables C2&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)M argin (dB)
13	.195	33.52	Qp	0	0	10	43.52	63.82	-20.3	-	-
14	.19725	18.75	Ca	0	0	10	28.75	-	-	53.73	-24.98
15	.29175	30.95	Qp	0	0	10	40.95	60.47	-19.52	-	-
16	.29625	14.35	Ca	0	0	10	24.35	-	-	50.35	-26
17	.3885	28.26	Qp	0	0	10	38.26	58.1	-19.84	-	-
18	.393	10.3	Ca	0	0	10	20.3	-	-	48	-27.7
19	.48525	25.68	Qp	0	0	10	35.68	56.25	-20.57	-	-
20	.48975	6.78	Ca	0	0	10	16.78	-	-	46.17	-29.39
21	.6045	24.66	Qp	0	0	10	34.66	56	-21.34	-	-
22	.58538	5.59	Ca	0	0	10	15.59	-	-	46	-30.41
23	.67875	24.2	Qp	0	0	10	34.2	56	-21.8	-	-
24	.681	8.14	Ca	0	0	10	18.14	-	-	46	-27.86
27	13.56	11.24	Qp	.1	.2	10.1	21.64	60	-38.36	-	-
28	13.56	3.66	Ca	.1	.2	10.1	14.06	-	-	50	-35.94

Qp - Quasi-Peak detector
 Ca - CISPR average detection

12. SETUP PHOTOS

Please refer to 13335182-EP1V1 for setup photos

END OF TEST REPORT