

11. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

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

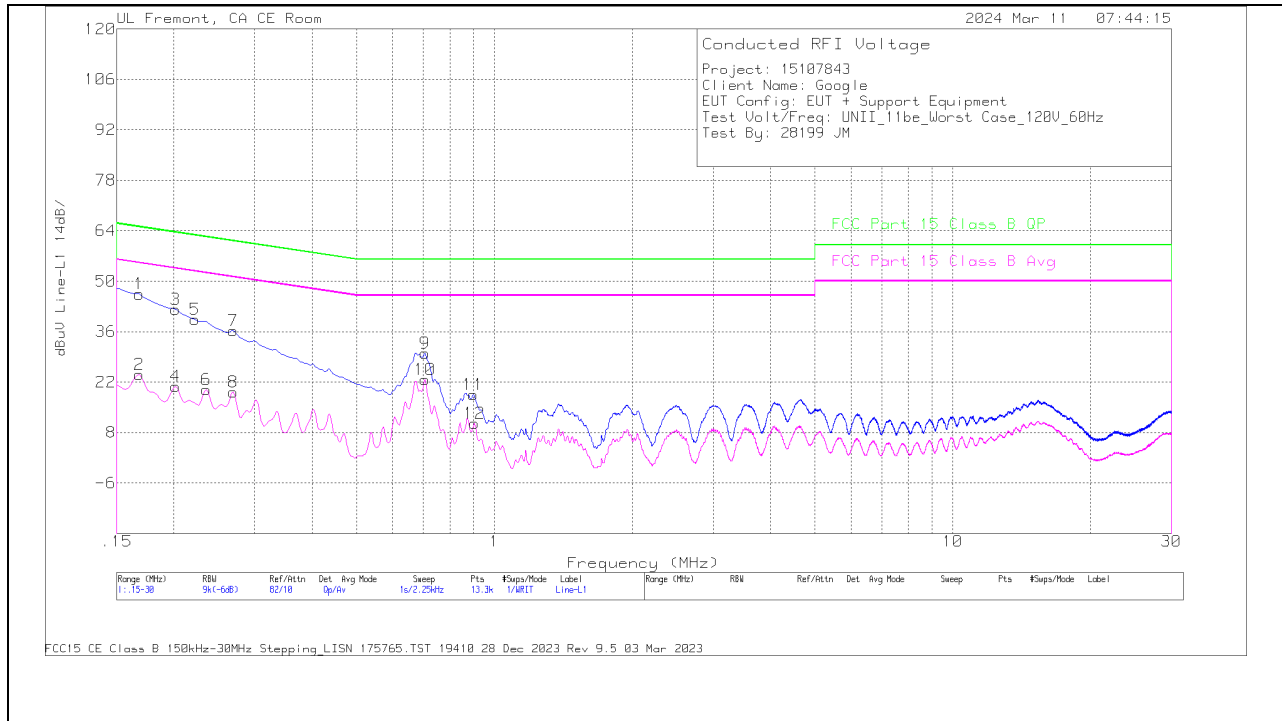
The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.10.

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

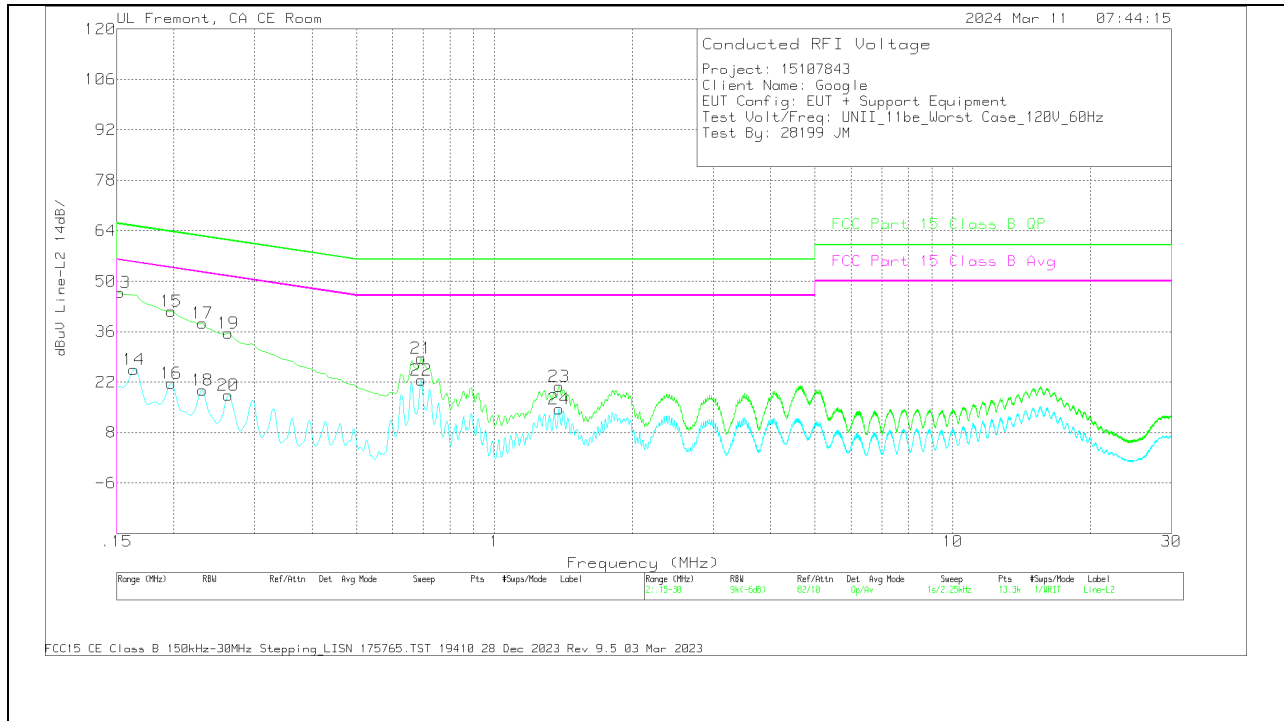
LINE 1 RESULTS



Range 1: Line-L1, 15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN (dB)	Cbl (dB)	Tms Limiter (dB)	Corrected Reading (dBuV)	FCC Part 15C OP (dBuV)	QP Margin (dB)	FCC Part 15 C Avg (dBuV)	Av Margin (dB)
2	.168	14.58	Av	0	0	9.5	24.08	-	-	55.06	-30.98
4	.2018	11.36	Av	0	.1	9.4	20.86	-	-	53.54	-32.68
6	.2355	10.47	Av	0	0	9.4	19.87	-	-	52.25	-32.38
8	.2693	9.77	Av	0	0	9.4	19.17	-	-	51.14	-31.97
10	.7058	13.3	Av	0	.1	9.3	22.7	-	-	46	-23.3
12	.9038	1	Av	0	.1	9.4	10.5	-	-	46	-35.5
1	.168	36.94	Qp	0	0	9.5	46.44	65.06	-18.62	-	-
3	.2018	32.73	Qp	0	.1	9.4	42.23	63.54	-21.31	-	-
5	.222	29.84	Qp	0	.1	9.4	39.34	62.74	-23.4	-	-
7	.2693	26.92	Qp	0	0	9.4	36.32	61.14	-24.82	-	-
9	.7058	20.61	Qp	0	.1	9.3	30.01	56	-25.99	-	-
11	.8993	9.03	Qp	0	.1	9.4	18.53	56	-37.47	-	-

Qp - Quasi-Peak detector
 Av - Average detection

LINE 2 RESULTS



Range 2: Line-L2_15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN (dB)	Cbl (dB)	Tms Limiter (dB)	Corrected Reading (dBuV)	FCC Part 15C OP (dBuV)	QP Margin (dB)	FCC Part 15 C Avg (dBuV)	Av Margin (dB)
14	.1635	16.03	Av	0	0	9.5	25.53	-	-	55.28	-29.75
16	.1973	12.1	Av	0	.1	9.4	21.6	-	-	53.73	-32.13
18	.231	10.29	Av	0	0	9.4	19.69	-	-	52.41	-32.72
20	.2625	9.03	Av	0	0	9.4	18.43	-	-	51.35	-32.92
22	.6923	13.18	Av	0	0	9.3	22.48	-	-	46	-23.52
24	1.383	5.06	Av	0	.1	9.4	14.56	-	-	46	-31.44
13	.1523	37.32	Qp	0	0	9.5	46.82	65.88	-19.06	-	-
15	.1973	32.23	Qp	0	.1	9.4	41.73	63.73	-22	-	-
17	.231	28.91	Qp	0	0	9.4	38.31	62.41	-24.1	-	-
19	.2625	26.23	Qp	0	0	9.4	35.63	61.35	-25.72	-	-
21	.6923	19.27	Qp	0	0	9.3	28.57	56	-27.43	-	-
23	1.383	11.24	Qp	0	.1	9.4	20.74	56	-35.26	-	-

Qp - Quasi-Peak detector
 Av - Average detection

12. DESCRIPTION OF TEST SETUP AND SETUP PHOTOS

Please refer to 15107843-EP1 for test setup description and setup photos

END OF TEST REPORT