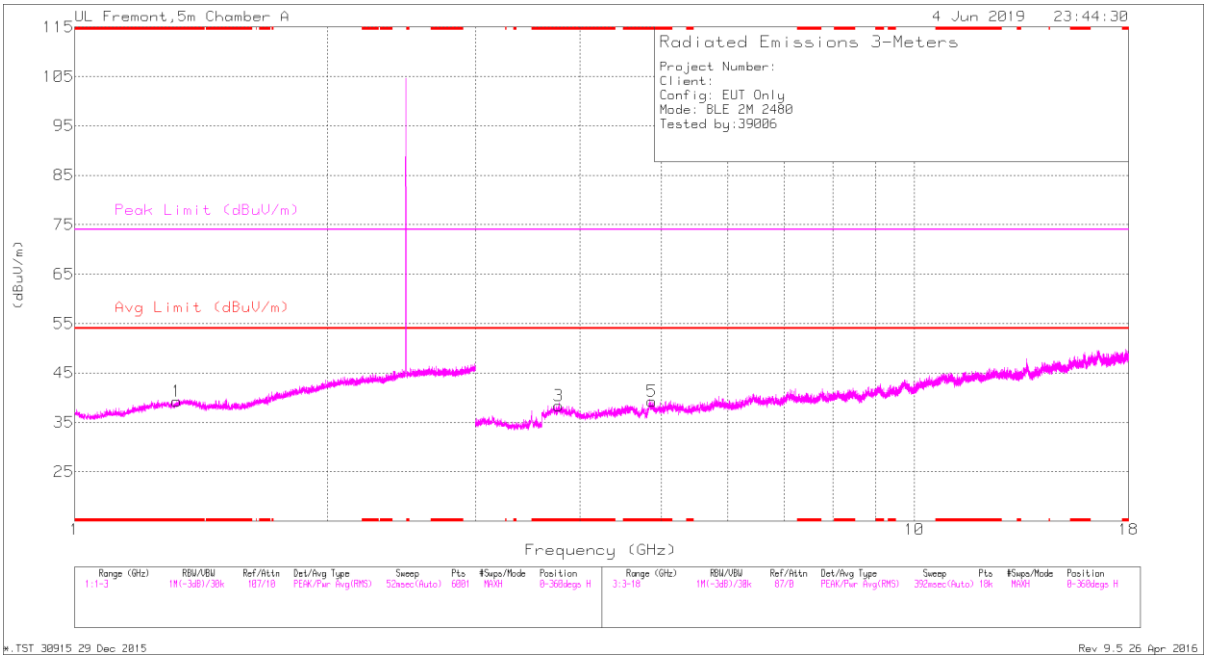
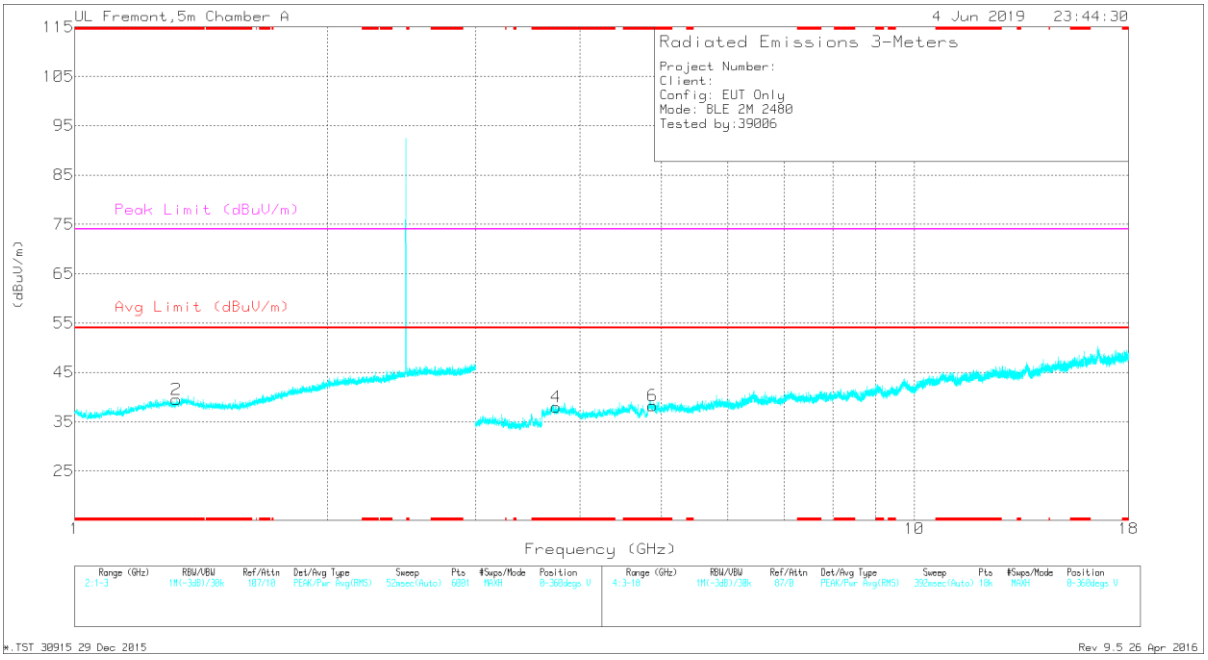
HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888

RADIATED EMISSIONS

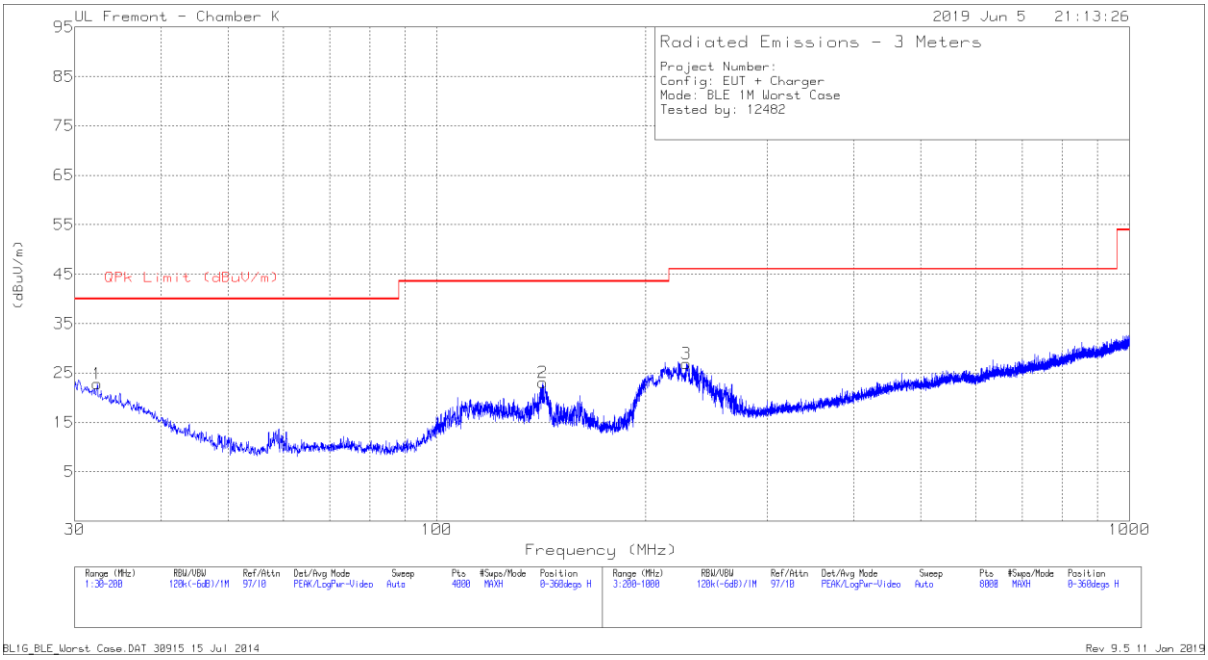
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.324	41.82	PK2	29.1	-24.9	46.02	-	-	74	-27.98	40	150	H
	* 1.322	31.82	MAv1	29	-24.9	35.92	54	-18.08	-	-	40	150	H
2	* 1.321	43.01	PK2	29	-24.9	47.11	-	-	74	-26.89	50	115	V
	* 1.322	31.57	MAv1	29	-24.9	35.67	54	-18.33	-	-	50	115	V
3	* 3.772	40.35	PK2	33.6	-29	44.95	-	-	74	-29.05	70	100	H
	* 3.768	29.65	MAv1	33.6	-29.1	34.15	54	-19.85	-	-	70	100	H
5	* 4.869	37.49	PK2	34.1	-26.9	44.69	-	-	74	-29.31	90	130	H
	* 4.868	27.68	MAv1	34.1	-26.9	34.88	54	-19.12	-	-	90	130	H
4	* 3.749	39.89	PK2	33.5	-29.2	44.19	-	-	74	-29.81	80	190	V
	* 3.746	29.53	MAv1	33.4	-29	33.93	54	-20.07	-	-	80	190	V
6	* 4.877	37.01	PK2	34.2	-26.8	44.41	-	-	74	-29.59	73	100	V
	* 4.879	27.42	MAv1	34.2	-26.8	34.82	54	-19.18	-	-	73	100	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK2 - KDB558074 Method: Maximum Peak
MAv1 - KDB558074 Option 1 Maximum RMS Average

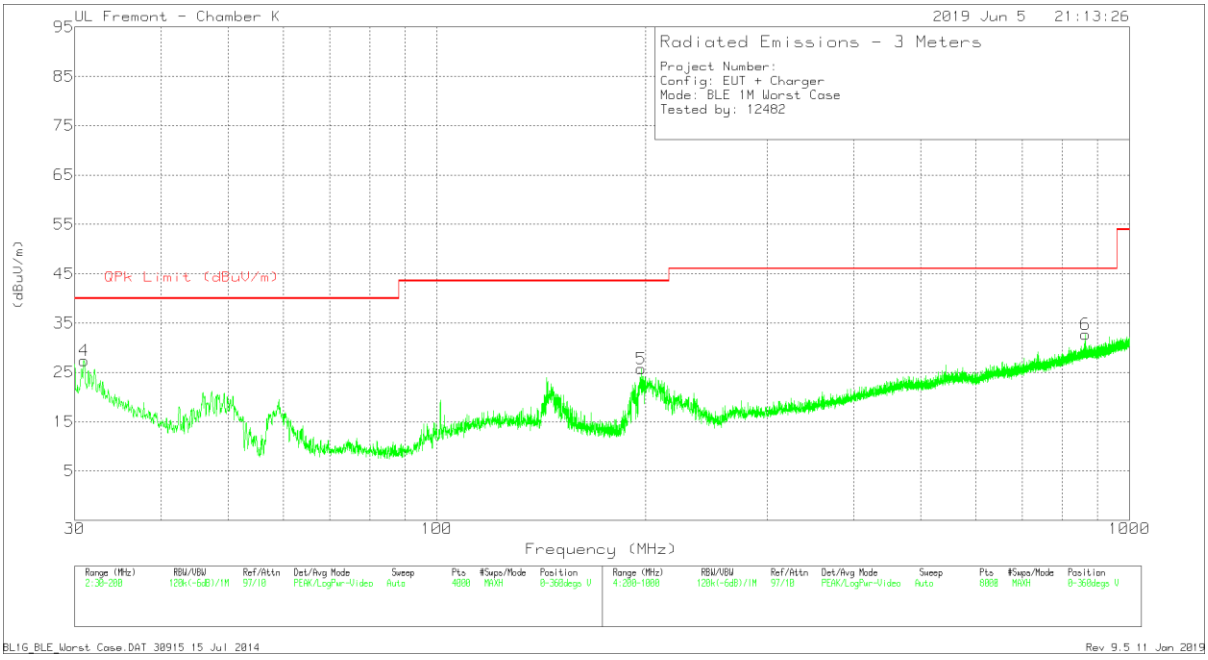
UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888

9.3. WORST CASE BELOW 1 GHZ

SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION)



HORIZONTAL



VERTICAL

Below 1GHz Data

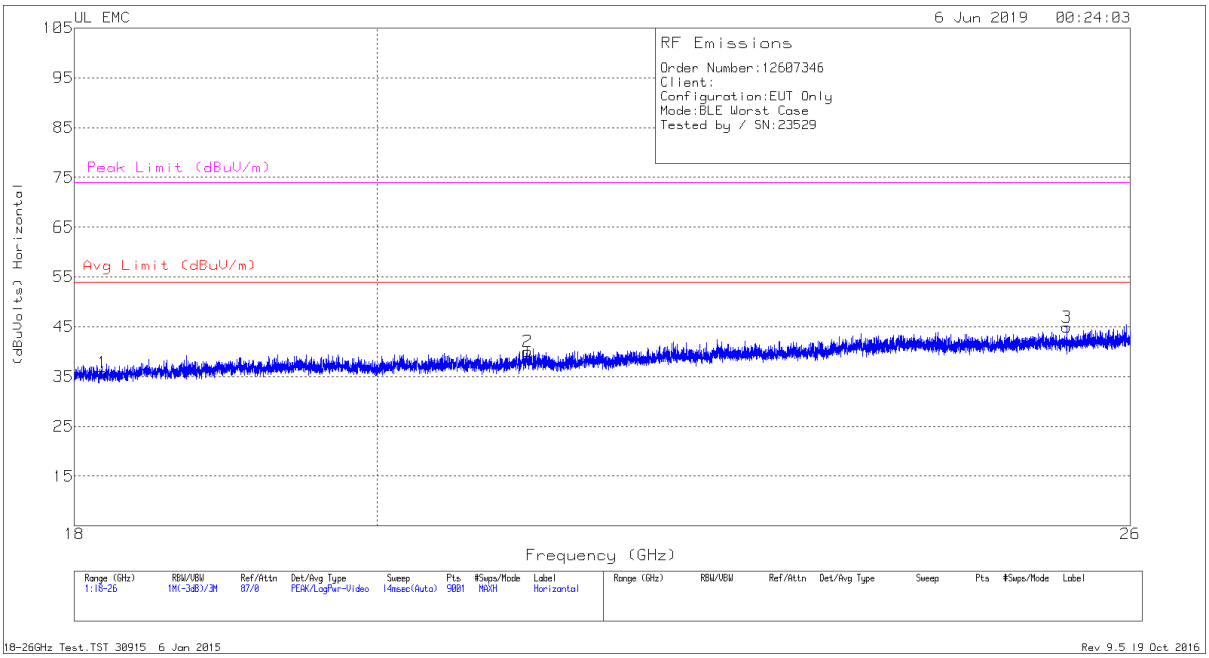
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF PRE0184052 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	32.3381	29.18	Pk	25.2	-31.6	22.78	40	-17.22	0-360	199	H
2	142.2716	34.71	Pk	18.8	-30.5	23.01	43.52	-20.51	0-360	199	H
3	229.4038	40.02	Pk	17	-30.1	26.92	46.02	-19.1	0-360	100	H
4	30.914	33.12	Pk	25.9	-31.6	27.42	40	-12.58	0-360	100	V
5	197.3658	37.78	Pk	18.1	-30.2	25.68	43.52	-17.84	0-360	100	V
6	863.4862	32.13	Pk	27.8	-27.2	32.73	46.02	-13.29	0-360	100	V

Pk - Peak detector

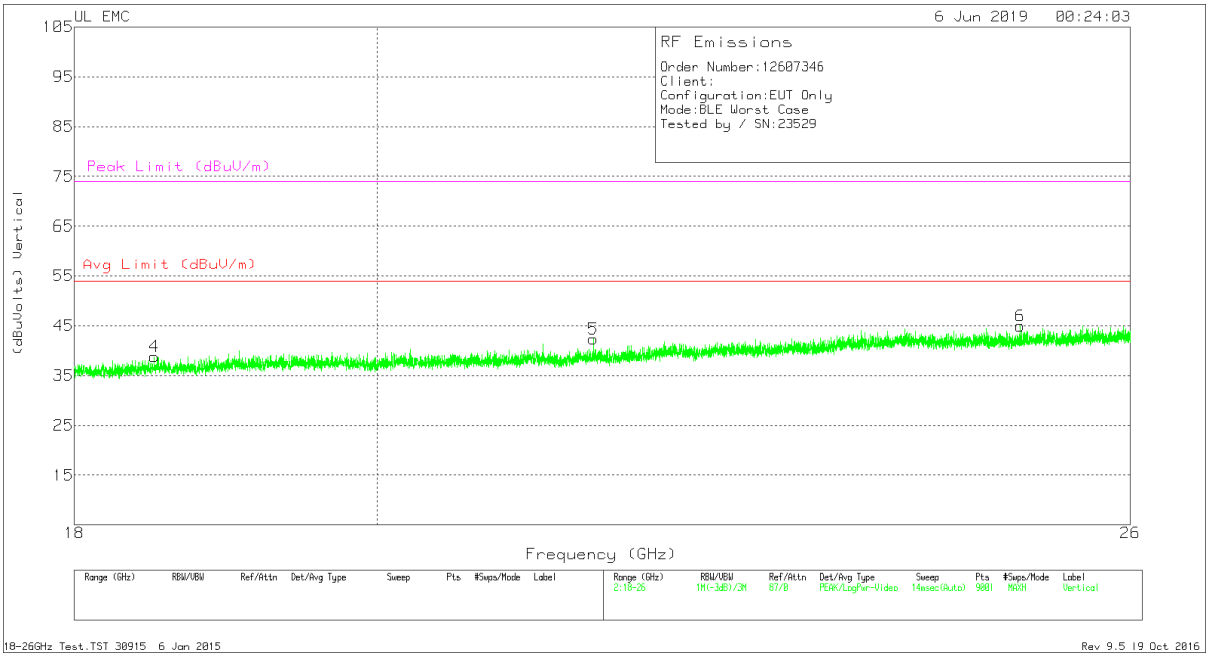
UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888

9.4. WORST CASE ABOVE 18 GHZ

SPURIOUS EMISSIONS 18 GHz TO 26 GHz (WORST-CASE CONFIGURATION)



HORIZONTAL



VERTICAL

Above 18GHz Data

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	T447 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Corrected Reading (dBuVolts)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)
1	18.176	35.44	Pk	32.3	-22.4	-9.5	35.84	54	-18.16	74	-38.16
2	21.076	37.39	Pk	33.1	-20.9	-9.5	40.09	54	-13.91	74	-33.91
3	25.431	39.85	Pk	34.5	-19.9	-9.5	44.95	54	-9.05	74	-29.05
4	18.508	37.81	Pk	32.4	-21.9	-9.5	38.81	54	-15.19	74	-35.19
5	21.565	39.74	Pk	33.1	-21	-9.5	42.34	54	-11.66	74	-31.66
6	25.021	39.58	Pk	34.5	-19.6	-9.5	44.98	54	-9.02	74	-29.02

Pk - Peak detector
18-26GHz Test.TST 30915 6 Jan 2015
Rev 9.5 19 Oct 2016

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888

10. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

RSS-Gen 8.8

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.

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

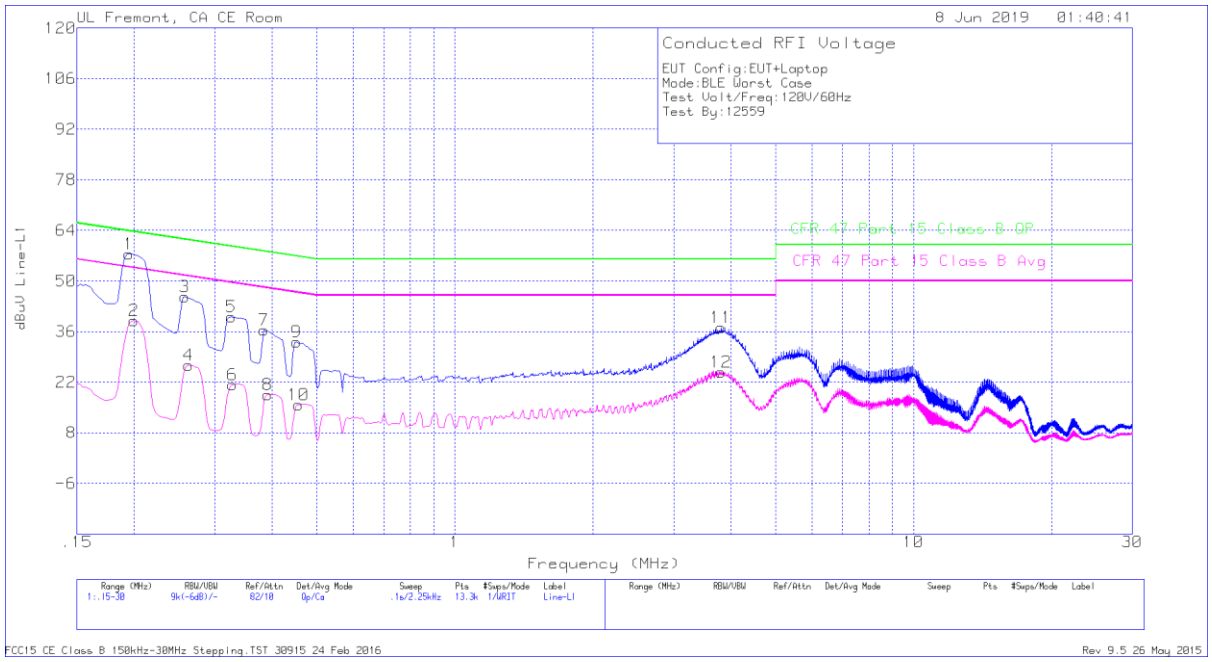
* Decreases with the logarithm of the frequency.

RESULTS

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888

10.1. AC Power Line Host

LINE 1 RESULTS

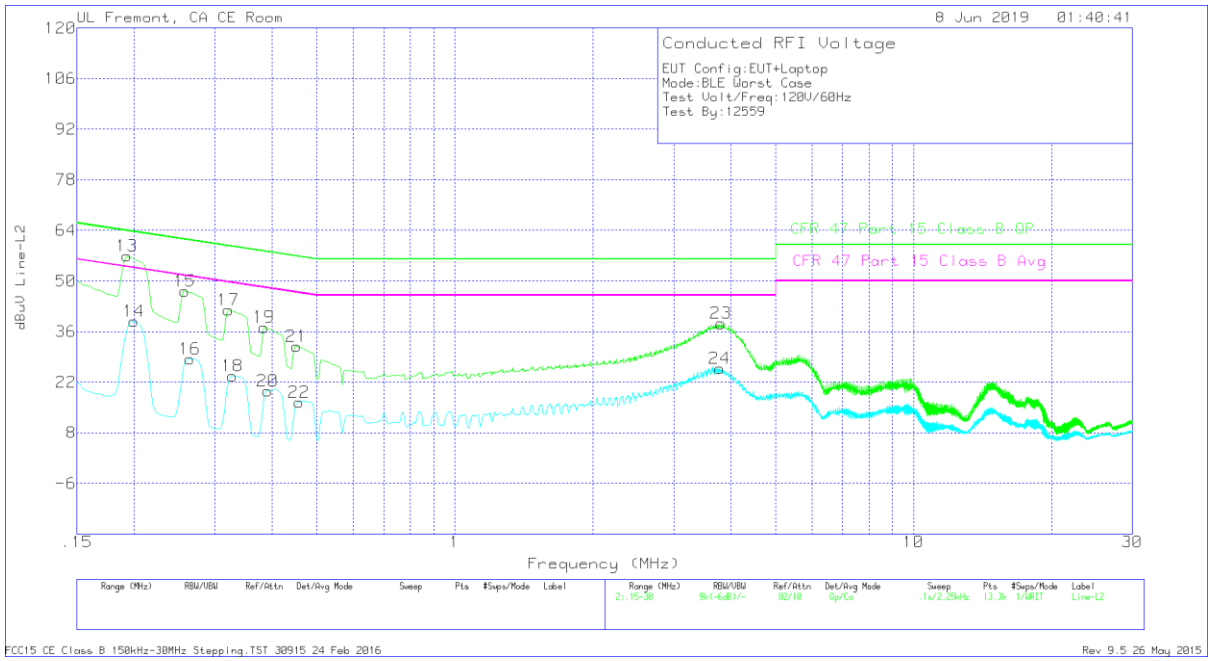


Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L1	LC Cables C1&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
1	.195	47.45	Qp	0	0	10.1	57.55	63.82	-6.27	-	-
2	.1995	28.89	Ca	0	0	10.1	38.99	-	-	53.63	-14.64
3	.258	35.53	Qp	0	0	10.1	45.63	61.5	-15.87	-	-
4	.2625	16.53	Ca	0	0	10.1	26.63	-	-	51.35	-24.72
5	.3255	29.92	Qp	0	0	10.1	40.02	59.57	-19.55	-	-
6	.32775	11.21	Ca	0	0	10.1	21.31	-	-	49.51	-28.2
7	.384	26.34	Qp	0	0	10.1	36.44	58.19	-21.75	-	-
8	.39075	8.44	Ca	0	0	10.1	18.54	-	-	48.05	-29.51
9	.4515	22.97	Qp	0	0	10.1	33.07	56.85	-23.78	-	-
10	.456	5.72	Ca	0	0	10.1	15.82	-	-	46.77	-30.95
11	3.80625	26.92	Qp	0	.1	10.1	37.12	56	-18.88	-	-
12	3.8085	14.54	Ca	0	.1	10.1	24.74	-	-	46	-21.26

Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 2 RESULTS



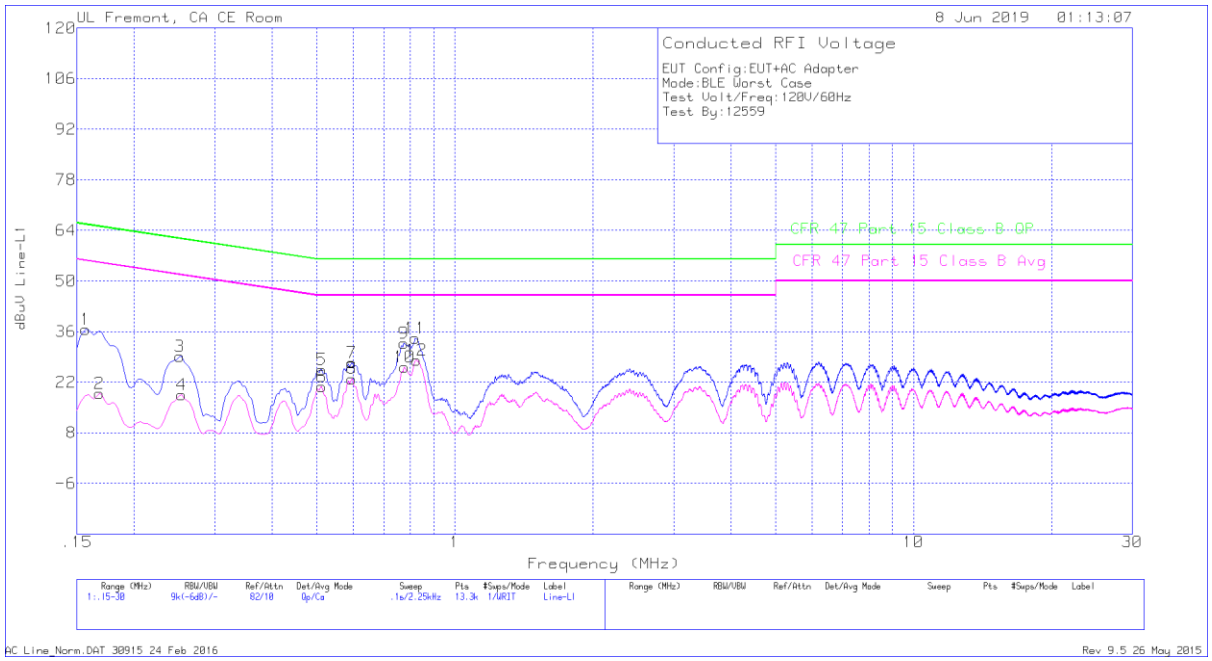
Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L2	LC Cables C2&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
13	.19275	46.81	Qp	0	0	10.1	56.91	63.92	-7.01	-	-
14	.1995	28.75	Ca	0	0	10.1	38.85	-	-	53.63	-14.78
15	.258	37.14	Qp	0	0	10.1	47.24	61.5	-14.26	-	-
16	.26475	18.41	Ca	0	0	10.1	28.51	-	-	51.28	-22.77
17	.321	31.9	Qp	0	0	10.1	42	59.68	-17.68	-	-
18	.32775	13.6	Ca	0	0	10.1	23.7	-	-	49.51	-25.81
19	.384	27.12	Qp	0	0	10.1	37.22	58.19	-20.97	-	-
20	.39075	9.55	Ca	0	0	10.1	19.65	-	-	48.05	-28.4
21	.4515	21.89	Qp	0	0	10.1	31.99	56.85	-24.86	-	-
22	.45825	6.36	Ca	0	0	10.1	16.46	-	-	46.72	-30.26
23	3.80625	28.07	Qp	0	.1	10.1	38.27	56	-17.73	-	-
24	3.77925	15.57	Ca	0	.1	10.1	25.77	-	-	46	-20.23

Qp - Quasi-Peak detector

Ca - CISPR average detection

10.2. AC Power Line Norm

LINE 1 RESULTS

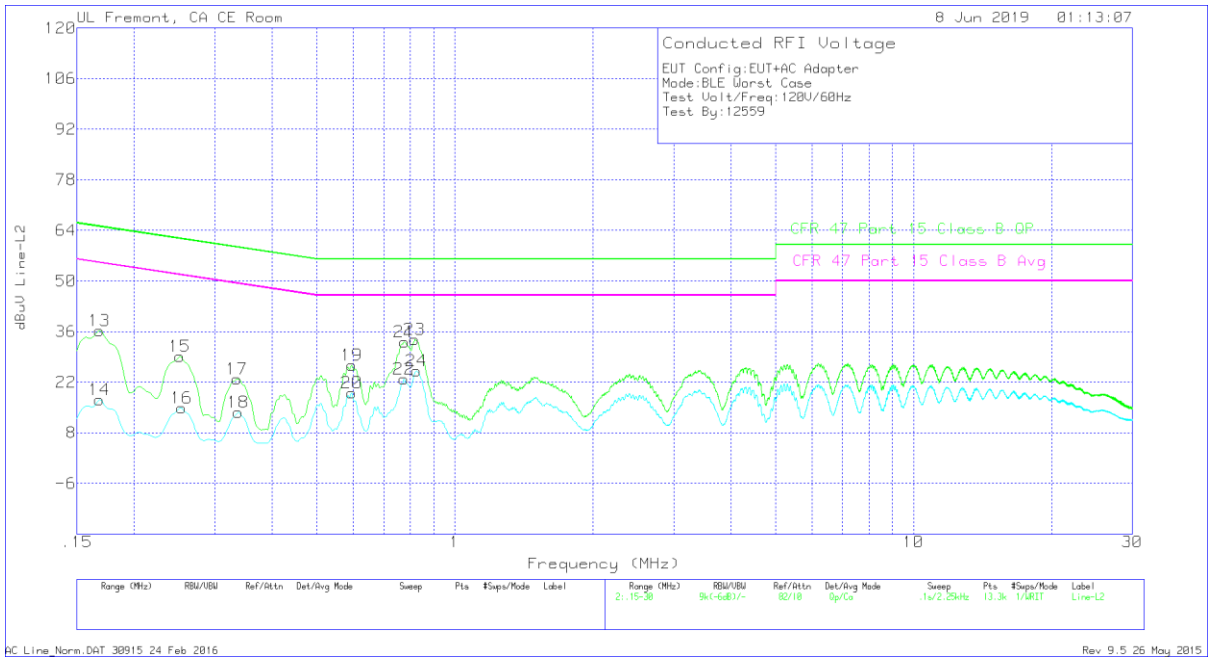


Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L1	LC Cables C1&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
1	.15675	26.36	Qp	.1	0	10.1	36.56	65.63	-29.07	-	-
2	.168	8.68	Ca	.1	0	10.1	18.88	-	-	55.06	-36.18
3	.25125	19.04	Qp	0	0	10.1	29.14	61.72	-32.58	-	-
4	.2535	8.4	Ca	0	0	10.1	18.5	-	-	51.64	-33.14
5	.51225	15.42	Qp	0	0	10.1	25.52	56	-30.48	-	-
6	.51225	10.62	Ca	0	0	10.1	20.72	-	-	46	-25.28
7	.5955	17.26	Qp	0	0	10.1	27.36	56	-28.64	-	-
8	.5955	12.87	Ca	0	0	10.1	22.97	-	-	46	-23.03
9	.7755	22.72	Qp	0	0	10.1	32.82	56	-23.18	-	-
10	.77775	16.07	Ca	0	0	10.1	26.17	-	-	46	-19.83
11	.8205	24.05	Qp	0	0	10.1	34.15	56	-21.85	-	-
12	.825	18.01	Ca	0	0	10.1	28.11	-	-	46	-17.89

Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 2 RESULTS



Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	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) Margin (dB)
13	.168	26.14	Qp	.1	0	10.1	36.34	65.06	-28.72	-	-
14	.168	6.95	Ca	.1	0	10.1	17.15	-	-	55.06	-37.91
15	.25125	19.06	Qp	0	0	10.1	29.16	61.72	-32.56	-	-
16	.2535	4.82	Ca	0	0	10.1	14.92	-	-	51.64	-36.72
17	.3345	12.83	Qp	0	0	10.1	22.93	59.34	-36.41	-	-
18	.33675	3.56	Ca	0	0	10.1	13.66	-	-	49.28	-35.62
19	.5955	16.66	Qp	0	0	10.1	26.76	56	-29.24	-	-
20	.5955	8.92	Ca	0	0	10.1	19.02	-	-	46	-26.98
21	.77662	23.09	Qp	0	0	10.1	33.19	56	-22.81	-	-
22	.7755	12.72	Ca	0	0	10.1	22.82	-	-	46	-23.18
23	.81825	23.72	Qp	0	0	10.1	33.82	56	-22.18	-	-
24	.825	14.99	Ca	0	0	10.1	25.09	-	-	46	-20.91

Qp - Quasi-Peak detector

Ca - CISPR average detection

END OF TEST REPORT

11. SETUP PHOTOS

Please refer to 12607346-EP1V1 for setup photos

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888