

9. AC MAINS LINE CONDUCTED EMISSIONS

LIMITS

§15.207
IC RSS-GEN, Section 7.2.2

(a) Except as shown in paragraphs (b) and (c) of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 μ H/50 ohms line impedance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the band edges.

Frequency range (MHz)	Limits (dB μ V)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56	56 to 46
0.50 to 5	56	46
5 to 30	60	50
Notes: 1. The lower limit shall apply at the transition frequencies 2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz.		

TEST PROCEDURE

ANSI C63.10

RESULTS

No non-compliance noted:

9.1. CE MODE TYPE A

9.1.1. NORMAL OPERATION, 848 KBPS

WORST EMISSIONS

Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1	LC Cables 1&3	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	.168	32.33	Qp	1.2	0	10.1	43.63	65.06	-21.43	-	-
2	.168	15.83	Ca	1.2	0	10.1	27.13	-	-	55.06	-27.93
3	.222	29.89	Qp	.8	0	10.1	40.79	62.74	-21.95	-	-
4	.222	13.79	Ca	.8	0	10.1	24.69	-	-	52.74	-28.05
5	.25125	29.36	Qp	.7	0	10.1	40.16	61.72	-21.56	-	-
6	.2535	13.84	Ca	.7	0	10.1	24.64	-	-	51.64	-27
7	.285	25.5	Qp	.6	0	10.1	36.2	60.67	-24.47	-	-
8	.285	10.23	Ca	.6	0	10.1	20.93	-	-	50.67	-29.74
9	.816	30.58	Qp	.3	0	10.1	40.98	56	-15.02	-	-
10	.81375	22.37	Ca	.3	0	10.1	32.77	-	-	46	-13.23
11	13.56	46.37	Qp	.2	.2	10.2	56.97	60	-3.03	-	-
12	13.56	43.27	Ca	.2	.2	10.2	53.87	-	-	50	3.87

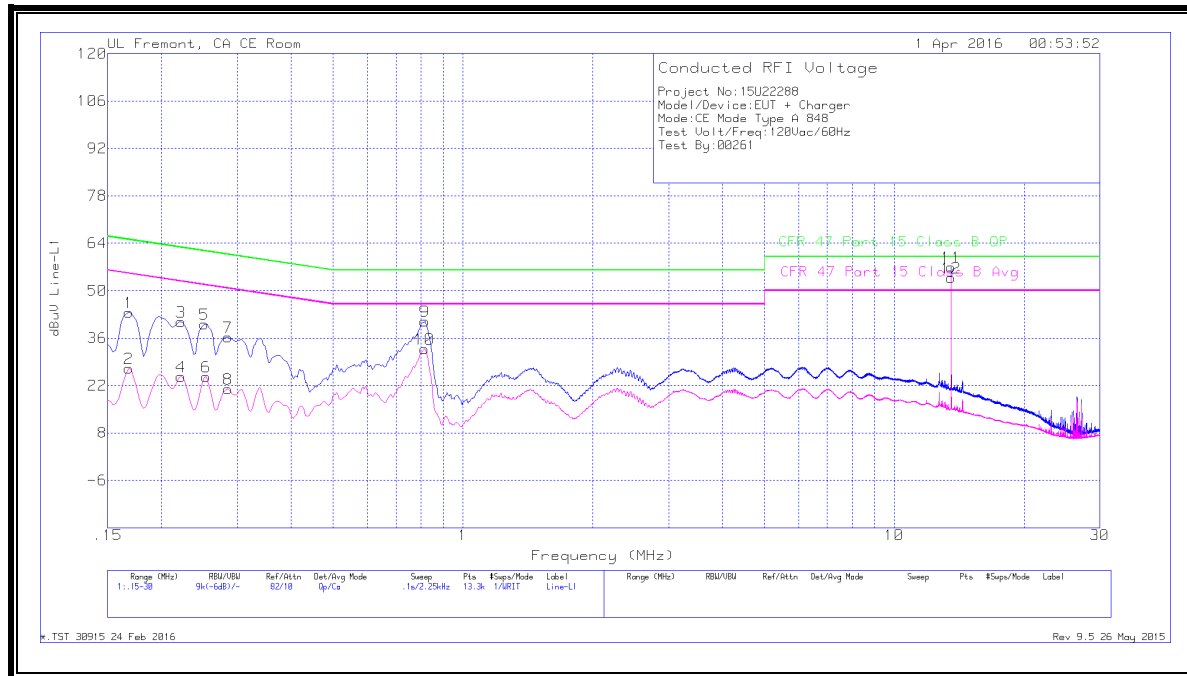
Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2	LC Cables 2&3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
13	.168	33.2	Qp	1.3	0	10.1	44.6	65.06	-20.46	-	-
14	.168	15.3	Ca	1.3	0	10.1	26.7	-	-	55.06	-28.36
15	.19725	30.19	Qp	1	0	10.1	41.29	63.73	-22.44	-	-
16	.1995	11.63	Ca	1	0	10.1	22.73	-	-	53.63	-30.9
17	.2535	30.03	Qp	.7	0	10.1	40.83	61.64	-20.81	-	-
18	.2535	11.88	Ca	.7	0	10.1	22.68	-	-	51.64	-28.96
19	.28275	26.36	Qp	.6	0	10.1	37.06	60.73	-23.67	-	-
20	.28275	8.21	Ca	.6	0	10.1	18.91	-	-	50.73	-31.82
21	.816	30.84	Qp	.3	0	10.1	41.24	56	-14.76	-	-
22	.816	16.65	Ca	.3	0	10.1	27.05	-	-	46	-18.95
23	13.56	45.98	Qp	.2	.2	10.2	56.58	60	-3.42	-	-
24	13.56	42.82	Ca	.2	.2	10.2	53.42	-	-	50	3.42

Qp - Quasi-Peak detector

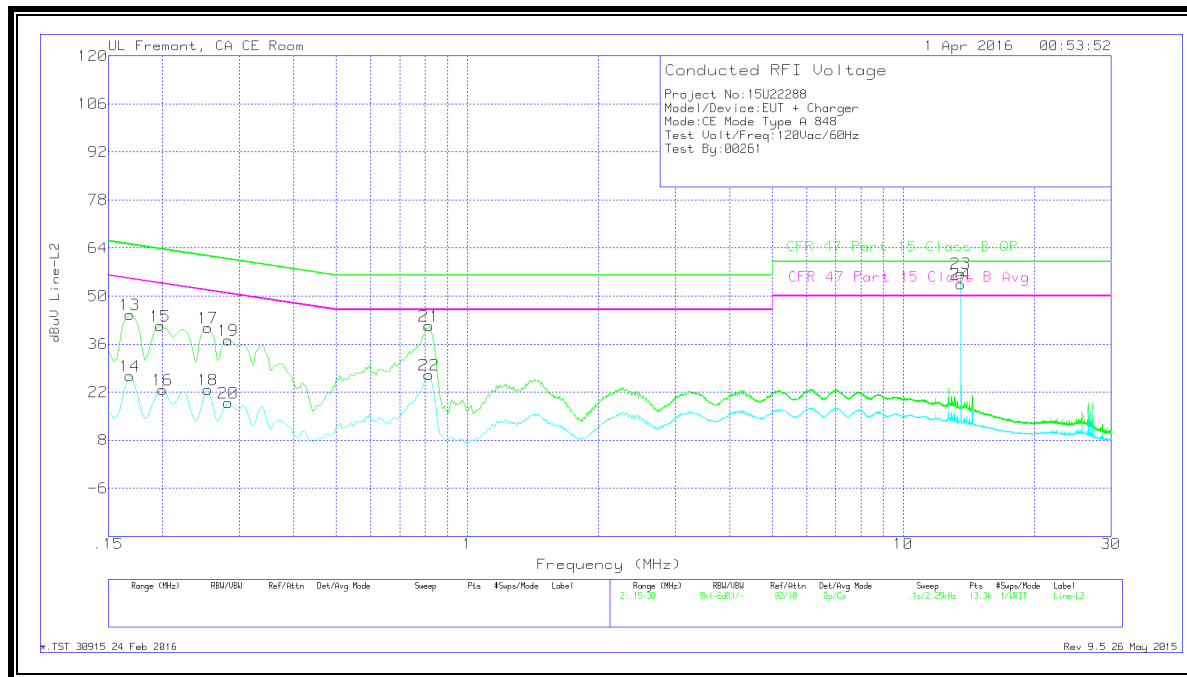
Ca - CISPR average detection

Note: 13.56MHz is a fundamental frequency of the EUT. Data under the following section indicate that when the antenna terminal is terminated the fundamental amplitude is lowering below the limit line.

LINE 1 RESULTS



LINE 2 RESULTS



9.1.2. WITH ANTENNA PORT TERMINATED, 848 KBPS

WORST EMISSIONS

Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1	LC Cables 1&3	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	.16125	31.38	Qp	1.3	0	10.1	42.78	65.4	-22.62	-	-
2	.16575	14.18	Ca	1.2	0	10.1	25.48	-	-	55.17	-29.69
3	.249	28.74	Qp	.7	0	10.1	39.54	61.79	-22.25	-	-
4	.24675	11.76	Ca	.7	0	10.1	22.56	-	-	51.87	-29.31
5	.32775	26.11	Qp	.5	0	10.1	36.71	59.51	-22.8	-	-
6	.33	9.46	Ca	.5	0	10.1	20.06	-	-	49.45	-29.39
7	.40875	20.54	Qp	.4	0	10.1	31.04	57.67	-26.63	-	-
8	.40875	4.94	Ca	.4	0	10.1	15.44	-	-	47.67	-32.23
9	.582	18.92	Qp	.3	0	10.1	29.32	56	-26.68	-	-
10	.582	7.82	Ca	.3	0	10.1	18.22	-	-	46	-27.78
11	.762	24.65	Qp	.3	0	10.1	35.05	56	-20.95	-	-
12	.75975	13.43	Ca	.3	0	10.1	23.83	-	-	46	-22.17

Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2	LC Cables 2&3	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	.16575	31.5	Qp	1.3	0	10.1	42.9	65.17	-22.27	-	-
14	.16575	14.75	Ca	1.3	0	10.1	26.15	-	-	55.17	-29.02
15	.24675	29.09	Qp	.7	0	10.1	39.89	61.87	-21.98	-	-
16	.24675	13.39	Ca	.7	0	10.1	24.19	-	-	51.87	-27.68
17	.32775	25.7	Qp	.5	0	10.1	36.3	59.51	-23.21	-	-
18	.33	11.09	Ca	.5	0	10.1	21.69	-	-	49.45	-27.76
19	.40875	19.94	Qp	.4	0	10.1	30.44	57.67	-27.23	-	-
20	.40875	6.09	Ca	.4	0	10.1	16.59	-	-	47.67	-31.08
21	.58425	17.17	Qp	.3	0	10.1	27.57	56	-28.43	-	-
22	.58425	11.66	Ca	.3	0	10.1	22.06	-	-	46	-23.94
23	.76875	26.49	Qp	.3	0	10.1	36.89	56	-19.11	-	-
24	.77775	16.48	Ca	.3	0	10.1	26.88	-	-	46	-19.12

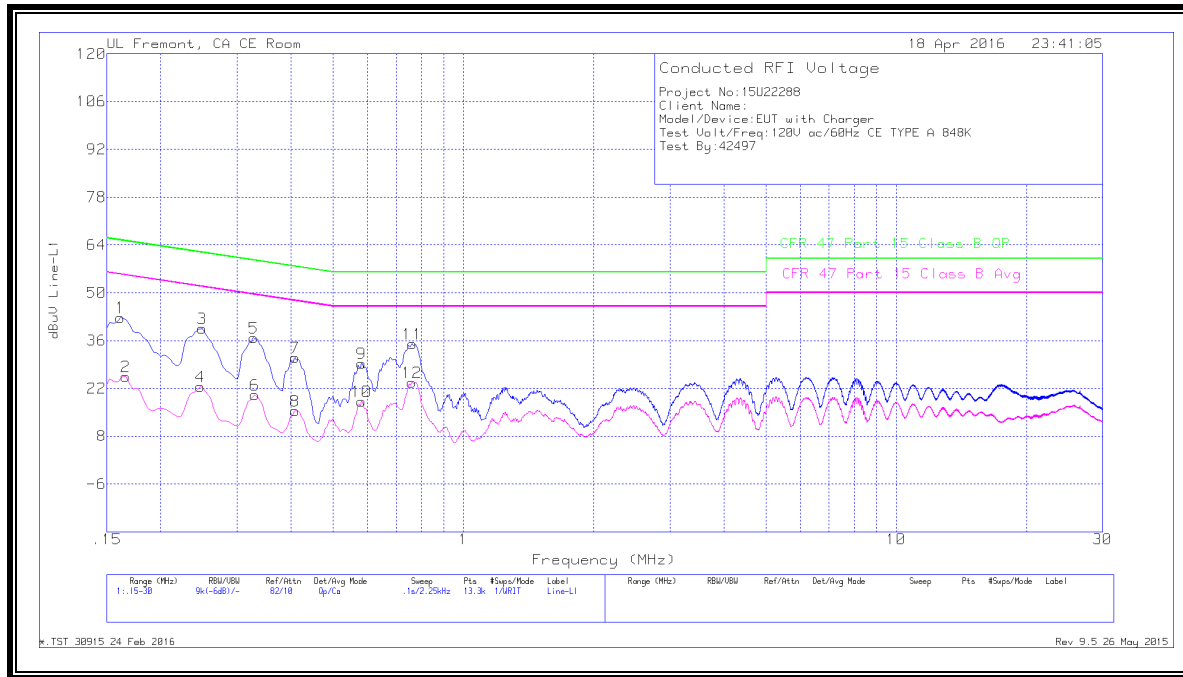
Qp - Quasi-Peak detector

Ca - CISPR average detection

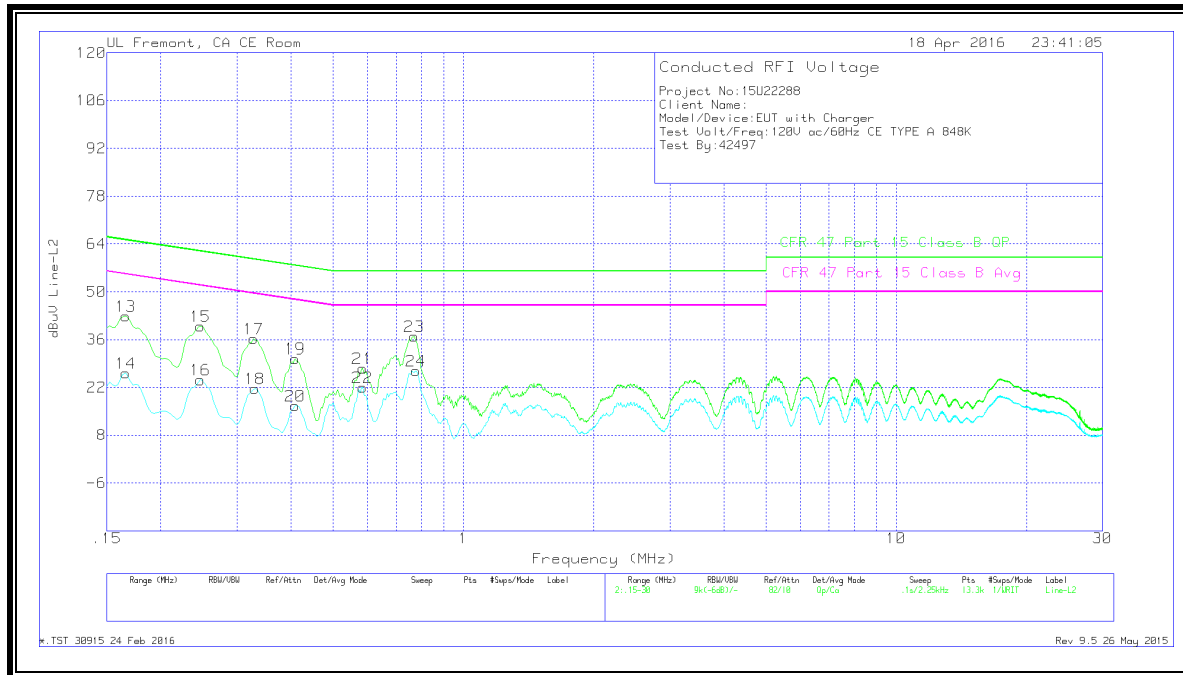
*,TST 30915 24 Feb 2016

Rev 9.5 26 May 2015

LINE 1 RESULTS



LINE 2 RESULTS



9.1.3. NORMAL OPERATION, 424 KBPS

WORST EMISSIONS

Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1	LC Cables 1&3	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	.168	32.41	Qp	1.2	0	10.1	43.71	65.06	-21.35	-	-
2	.168	15.95	Ca	1.2	0	10.1	27.25	-	-	55.06	-27.81
3	.19725	31.26	Qp	1	0	10.1	42.36	63.73	-21.37	-	-
4	.1995	14.43	Ca	.9	0	10.1	25.43	-	-	53.63	-28.2
5	.25125	29.54	Qp	.7	0	10.1	40.34	61.72	-21.38	-	-
6	.2535	13.94	Ca	.7	0	10.1	24.74	-	-	51.64	-26.9
7	.285	25.68	Qp	.6	0	10.1	36.38	60.67	-24.29	-	-
8	.285	10.38	Ca	.6	0	10.1	21.08	-	-	50.67	-29.59
9	.81825	30.57	Qp	.3	0	10.1	40.97	56	-15.03	-	-
10	.816	22.16	Ca	.3	0	10.1	32.56	-	-	46	-13.44
11	13.56	47.22	Qp	.2	.2	10.2	57.82	60	-2.18	-	-
12	13.56	44.09	Ca	.2	.2	10.2	54.69	-	-	50	4.69

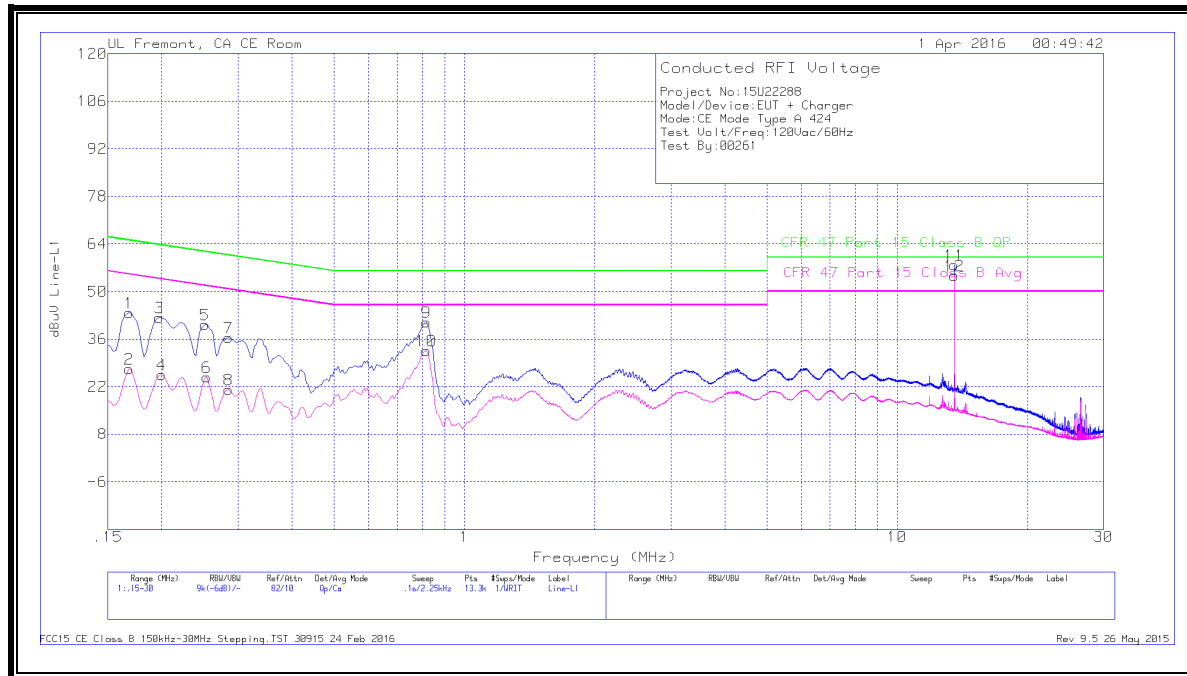
Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2	LC Cables 2&3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
13	.168	33.24	Qp	1.3	0	10.1	44.64	65.06	-20.42	-	-
14	.168	15.55	Ca	1.3	0	10.1	26.95	-	-	55.06	-28.11
15	.222	29.38	Qp	.9	0	10.1	40.38	62.74	-22.36	-	-
16	.222	11.39	Ca	.9	0	10.1	22.39	-	-	52.74	-30.35
17	.25238	30.03	Qp	.7	0	10.1	40.83	61.68	-20.85	-	-
18	.2535	12.15	Ca	.7	0	10.1	22.95	-	-	51.64	-28.69
19	.28275	26.45	Qp	.6	0	10.1	37.15	60.73	-23.58	-	-
20	.28275	8.46	Ca	.6	0	10.1	19.16	-	-	50.73	-31.57
21	.81825	31.15	Qp	.3	0	10.1	41.55	56	-14.45	-	-
22	.81712	16.62	Ca	.3	0	10.1	27.02	-	-	46	-18.98
23	13.56	46.88	Qp	.2	.2	10.2	57.48	60	-2.52	-	-
24	13.56	43.67	Ca	.2	.2	10.2	54.27	-	-	50	4.27

Qp - Quasi-Peak detector

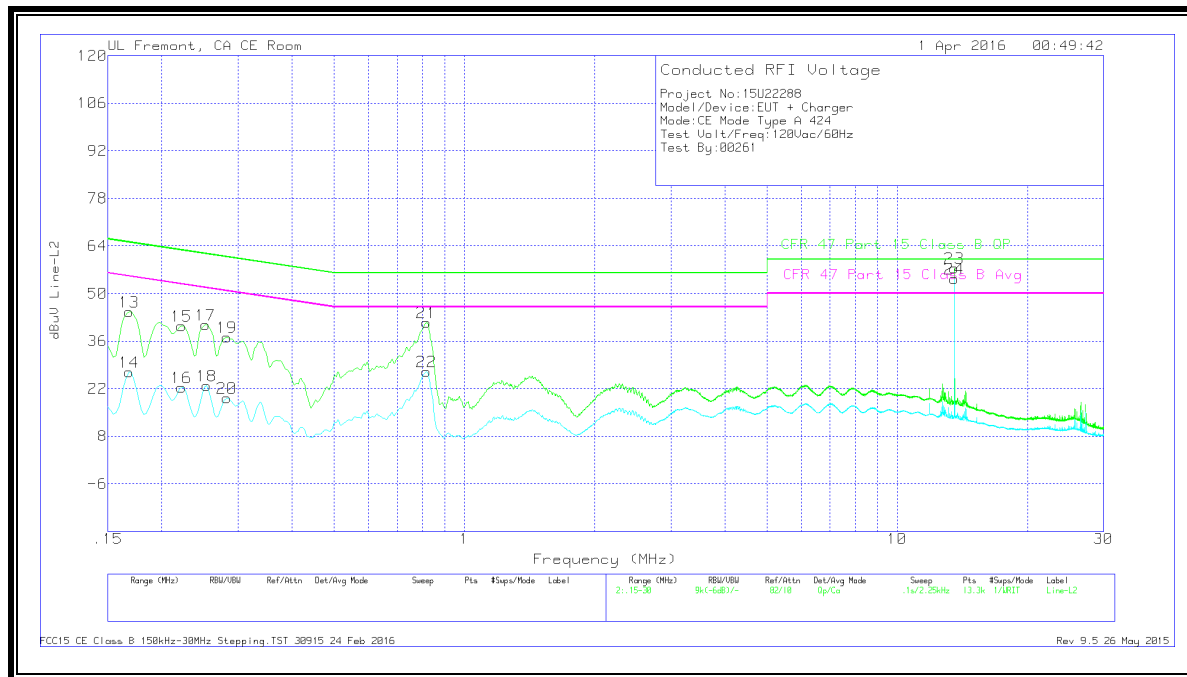
Ca - CISPR average detection

Note: 13.56MHz is a fundamental frequency of the EUT. Data under the following section indicate that when the antenna terminal is terminated the fundamental amplitude is lowering below the limit line.

LINE 1 RESULTS



LINE 2 RESULTS



9.1.4. WITH ANTENNA PORT TERMINATED, 424 KBPS

WORST EMISSIONS

Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1	LC Cables 1&3	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	.16125	29.02	Qp	1.3	0	10.1	40.42	65.4	-24.98	-	-
2	.16125	12.24	Ca	1.3	0	10.1	23.64	-	-	55.4	-31.76
3	.24225	25.98	Qp	.7	0	10.1	36.78	62.02	-25.24	-	-
4	.24225	9.46	Ca	.7	0	10.1	20.26	-	-	52.02	-31.76
5	.321	23.28	Qp	.5	0	10.1	33.88	59.68	-25.8	-	-
6	.32325	7.27	Ca	.5	0	10.1	17.87	-	-	49.62	-31.75
7	.402	18.19	Qp	.4	0	10.1	28.69	57.81	-29.12	-	-
8	.40875	3.48	Ca	.4	0	10.1	13.98	-	-	47.67	-33.69
9	.573	16.42	Qp	.3	0	10.1	26.82	56	-29.18	-	-
10	.573	6.74	Ca	.3	0	10.1	17.14	-	-	46	-28.86
11	.74625	20.37	Qp	.3	0	10.1	30.77	56	-25.23	-	-
12	.74625	11.2	Ca	.3	0	10.1	21.6	-	-	46	-24.4

Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2	LC Cables 2&3	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	.16125	28.62	Qp	1.4	0	10.1	40.12	65.4	-25.28	-	-
14	.16125	12.11	Ca	1.4	0	10.1	23.61	-	-	55.4	-31.79
15	.24225	26.36	Qp	.8	0	10.1	37.26	62.02	-24.76	-	-
16	.2445	11.45	Ca	.8	0	10.1	22.35	-	-	51.94	-29.59
17	.32325	22.95	Qp	.5	0	10.1	33.55	59.62	-26.07	-	-
18	.3255	9.69	Ca	.5	0	10.1	20.29	-	-	49.57	-29.28
19	.402	17.49	Qp	.4	0	10.1	27.99	57.81	-29.82	-	-
20	.40425	5.15	Ca	.4	0	10.1	15.65	-	-	47.77	-32.12
21	.57525	14.49	Qp	.3	0	10.1	24.89	56	-31.11	-	-
22	.573	10.84	Ca	.3	0	10.1	21.24	-	-	46	-24.76
23	.7485	23	Qp	.3	0	10.1	33.4	56	-22.6	-	-
24	.7485	14.5	Ca	.3	0	10.1	24.9	-	-	46	-21.1

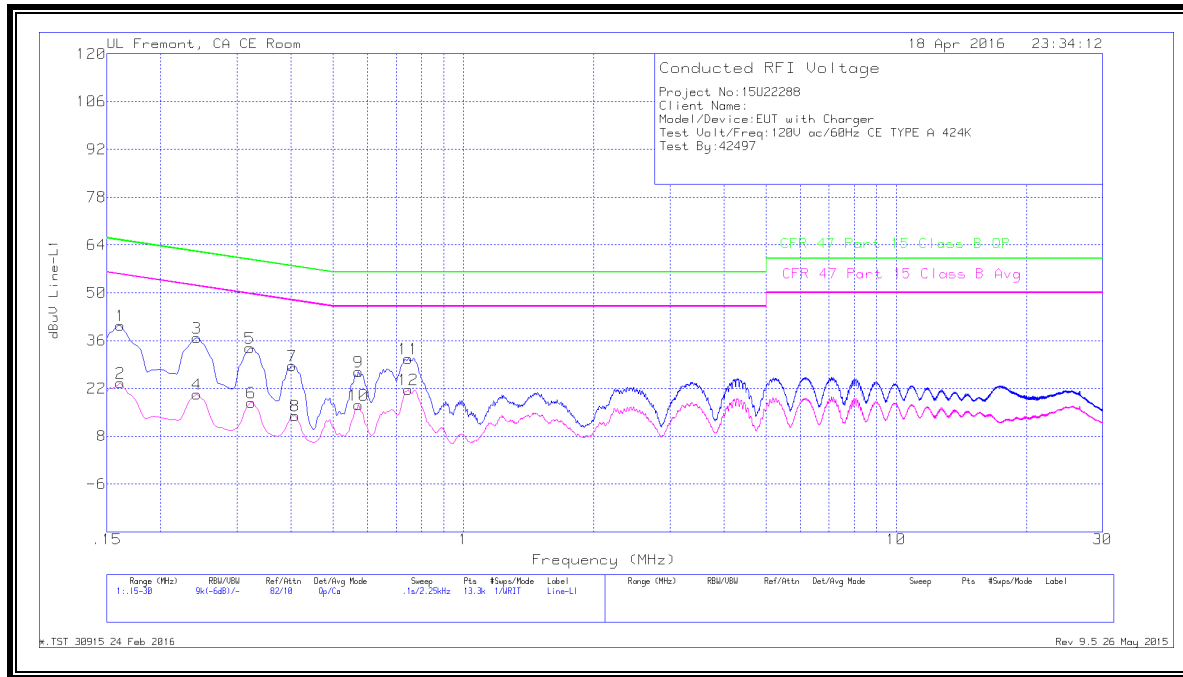
Qp - Quasi-Peak detector

Ca - CISPR average detection

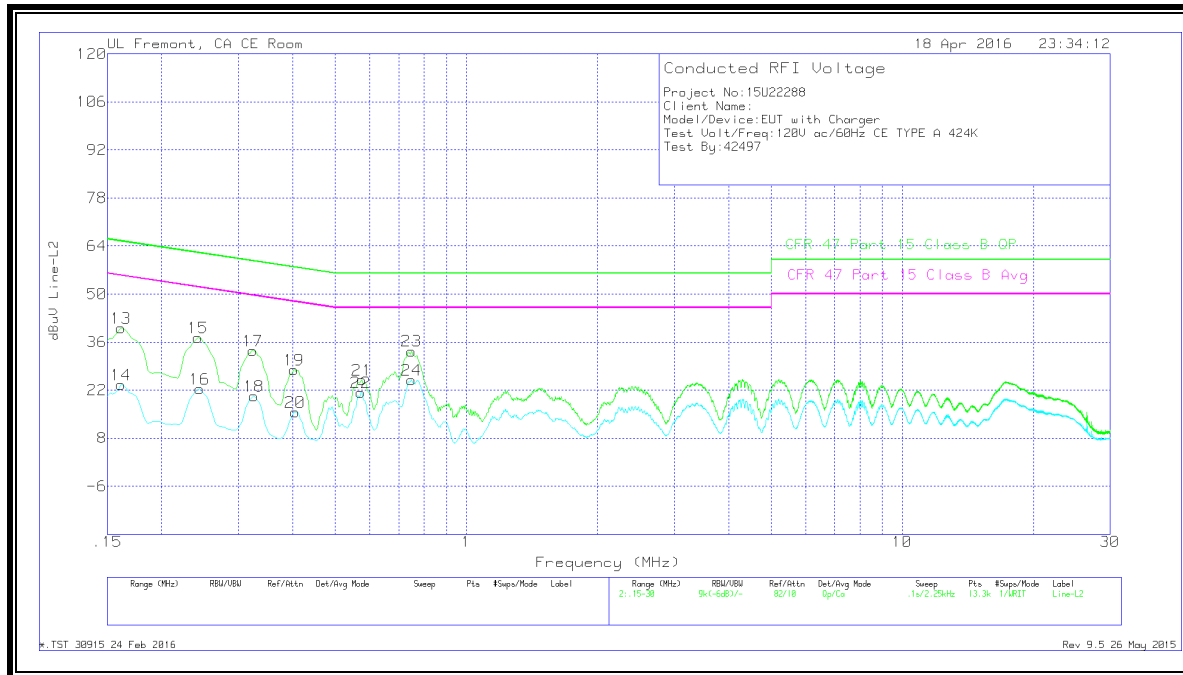
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Rev 9.5 26 May 2015

LINE 1 RESULTS



LINE 2 RESULTS



9.1.5. NORMAL OPERATION, 212 KBPS

WORST EMISSIONS

Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1	LC Cables 1&3	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	.168	32.58	Qp	1.2	0	10.1	43.88	65.06	-21.18	-	-
2	.168	16.36	Ca	1.2	0	10.1	27.66	-	-	55.06	-27.4
3	.19725	31.41	Qp	1	0	10.1	42.51	63.73	-21.22	-	-
4	.1995	14.73	Ca	.9	0	10.1	25.73	-	-	53.63	-27.9
5	.25125	29.7	Qp	.7	0	10.1	40.5	61.72	-21.22	-	-
6	.2535	14.28	Ca	.7	0	10.1	25.08	-	-	51.64	-26.56
7	.3345	25.58	Qp	.5	0	10.1	36.18	59.34	-23.16	-	-
8	.33675	11.03	Ca	.5	0	10.1	21.63	-	-	49.28	-27.65
9	.816	30.5	Qp	.3	0	10.1	40.9	56	-15.1	-	-
10	.81375	22.18	Ca	.3	0	10.1	32.58	-	-	46	-13.42
11	13.56	46.84	Qp	.2	.2	10.2	57.44	60	-2.56	-	-
12	13.56	43.67	Ca	.2	.2	10.2	54.27	-	-	50	4.27

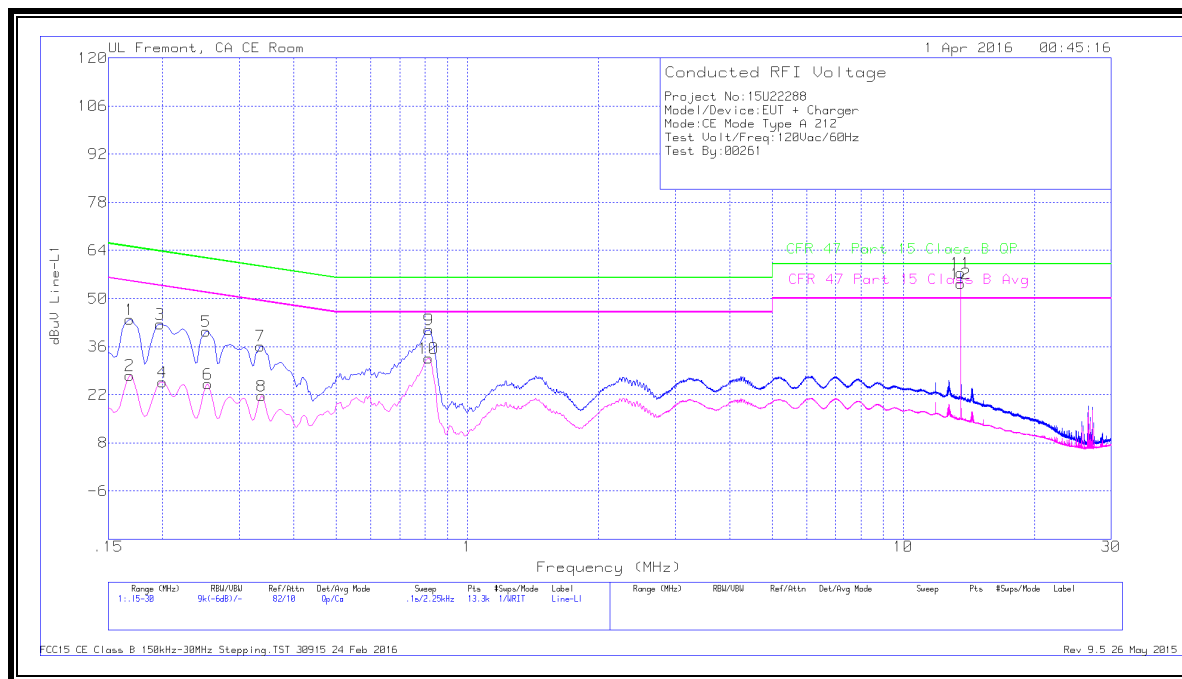
Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2	LC Cables 2&3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
13	.168	33.43	Qp	1.3	0	10.1	44.83	65.06	-20.23	-	-
14	.168	16.11	Ca	1.3	0	10.1	27.51	-	-	55.06	-27.55
15	.222	29.61	Qp	.9	0	10.1	40.61	62.74	-22.13	-	-
16	.222	12.09	Ca	.9	0	10.1	23.09	-	-	52.74	-29.65
17	.25238	30.28	Qp	.7	0	10.1	41.08	61.68	-20.6	-	-
18	.2535	12.66	Ca	.7	0	10.1	23.46	-	-	51.64	-28.18
19	.3345	25.36	Qp	.5	0	10.1	35.96	59.34	-23.38	-	-
20	.33675	7.9	Ca	.5	0	10.1	18.5	-	-	49.28	-30.78
21	.816	31.33	Qp	.3	0	10.1	41.73	56	-14.27	-	-
22	.816	16.96	Ca	.3	0	10.1	27.36	-	-	46	-18.64
23	13.56	46.5	Qp	.2	.2	10.2	57.1	60	-2.9	-	-
24	13.56	43.28	Ca	.2	.2	10.2	53.88	-	-	50	3.88

Qp - Quasi-Peak detector

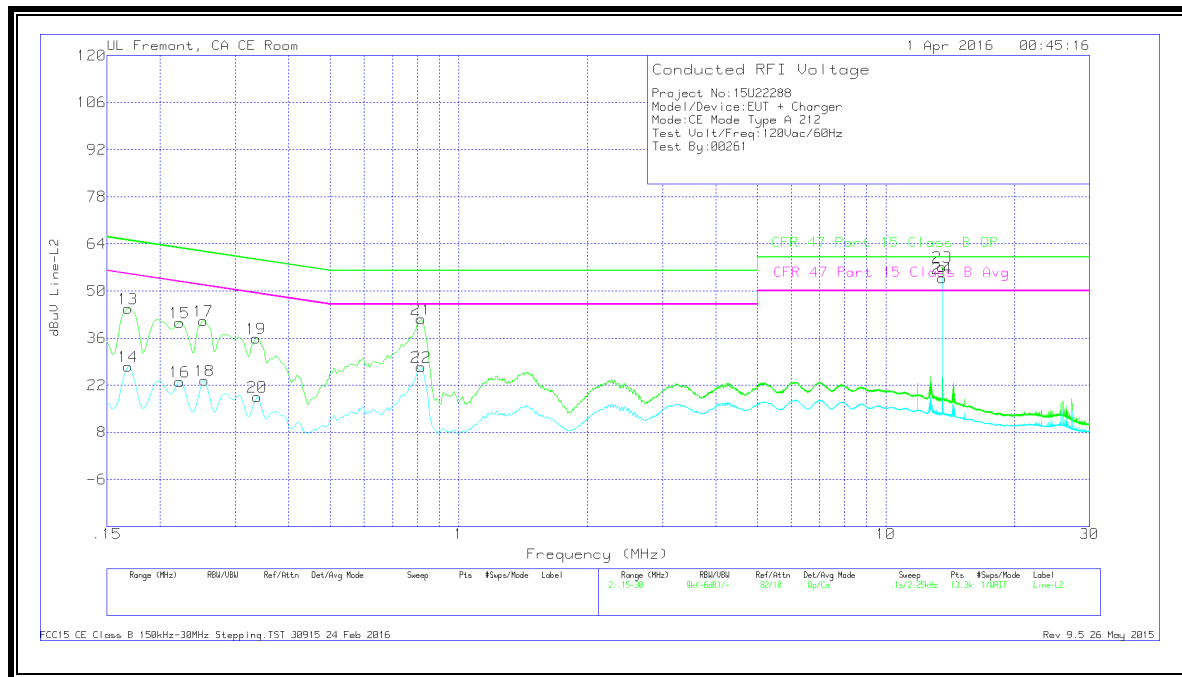
Ca - CISPR average detection

Note: 13.56MHz is a fundamental frequency of the EUT. Data under the following section indicate that when the antenna terminal is terminated the fundamental amplitude is lowering below the limit line.

LINE 1 RESULTS



LINE 2 RESULTS



9.1.6. WITH ANTENNA PORT TERMINATED, 212 KBPS

WORST EMISSIONS

Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1	LC Cables 1&3	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	.16125	30.6	Qp	1.3	0	10.1	42	65.4	-23.4	-	-
2	.1635	12.97	Ca	1.2	0	10.1	24.27	-	-	55.28	-31.01
3	.2445	27.74	Qp	.7	0	10.1	38.54	61.94	-23.4	-	-
4	.24675	10.44	Ca	.7	0	10.1	21.24	-	-	51.87	-30.63
5	.3255	25.02	Qp	.5	0	10.1	35.62	59.57	-23.95	-	-
6	.32775	8.27	Ca	.5	0	10.1	18.87	-	-	49.51	-30.64
7	.4065	19.57	Qp	.4	0	10.1	30.07	57.72	-27.65	-	-
8	.4065	4.15	Ca	.4	0	10.1	14.65	-	-	47.72	-33.07
9	.57975	18.19	Qp	.3	0	10.1	28.59	56	-27.41	-	-
10	.57975	7.49	Ca	.3	0	10.1	17.89	-	-	46	-28.11
11	.7575	23.3	Qp	.3	0	10.1	33.7	56	-22.3	-	-
12	.75525	12.59	Ca	.3	0	10.1	22.99	-	-	46	-23.01

Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2	LC Cables 2&3	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	.1635	30.52	Qp	1.3	0	10.1	41.92	65.28	-23.36	-	-
14	.1635	13.44	Ca	1.3	0	10.1	24.84	-	-	55.28	-30.44
15	.2445	28.19	Qp	.8	0	10.1	39.09	61.94	-22.85	-	-
16	.24675	12.45	Ca	.7	0	10.1	23.25	-	-	51.87	-28.62
17	.3255	24.78	Qp	.5	0	10.1	35.38	59.57	-24.19	-	-
18	.32775	10.25	Ca	.5	0	10.1	20.85	-	-	49.51	-28.66
19	.4065	18.84	Qp	.4	0	10.1	29.34	57.72	-28.38	-	-
20	.4065	5.59	Ca	.4	0	10.1	16.09	-	-	47.72	-31.63
21	.57975	16.01	Qp	.3	0	10.1	26.41	56	-29.59	-	-
22	.57975	11.33	Ca	.3	0	10.1	21.73	-	-	46	-24.27
23	.744	24.75	Qp	.3	0	10.1	35.15	56	-20.85	-	-
24	.7575	15.48	Ca	.3	0	10.1	25.88	-	-	46	-20.12

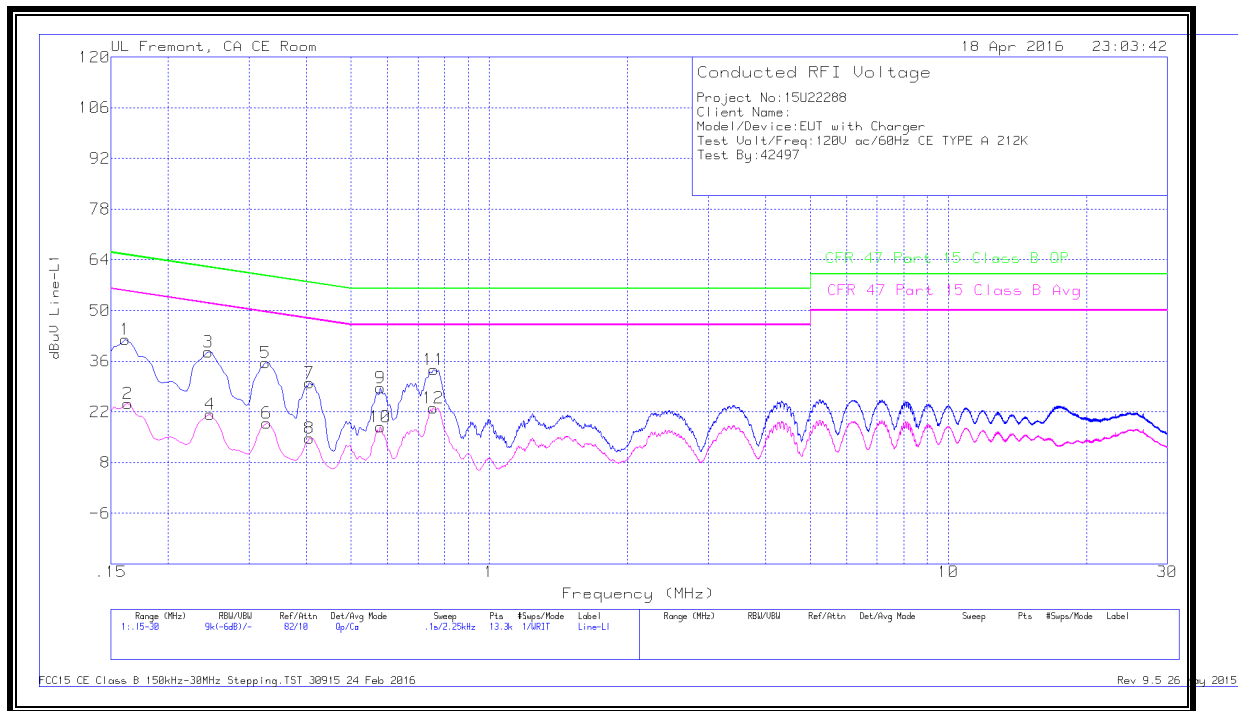
Qp - Quasi-Peak detector

Ca - CISPR average detection

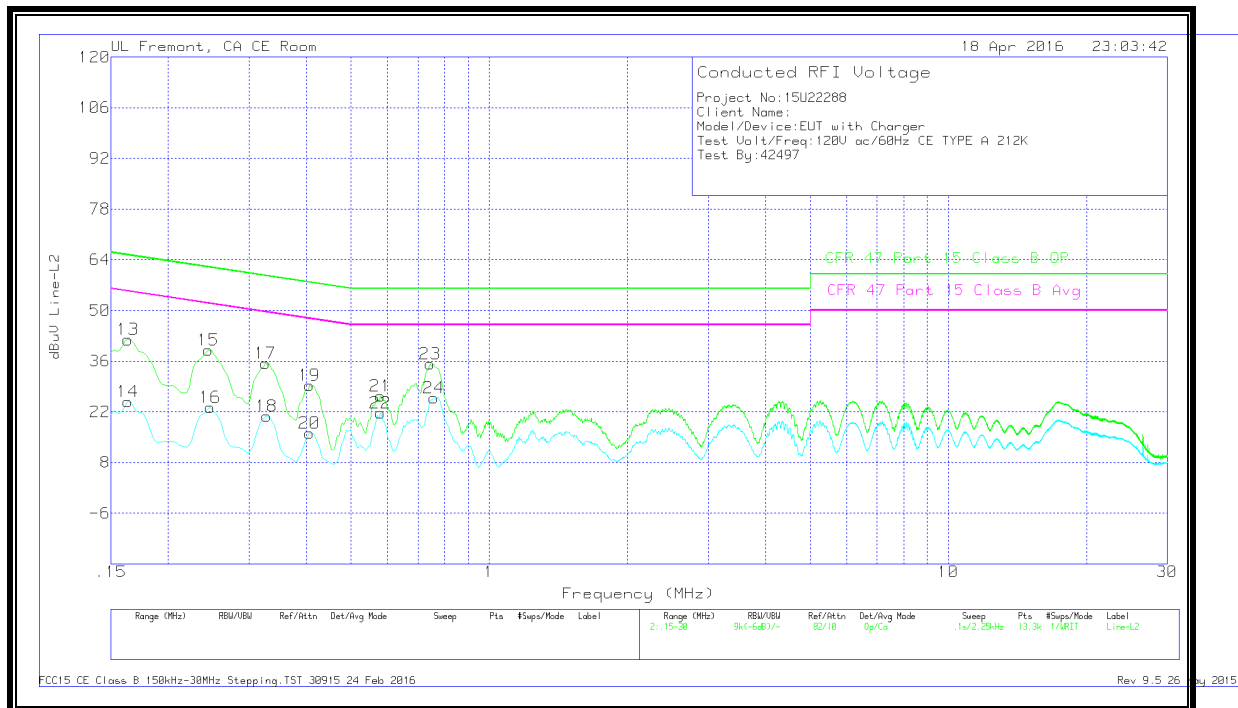
FCC15 CE Class B 150kHz-30MHz Stepping.TST 30915 24 Feb 2016

Rev 9.5 26 May 2015

LINE 1 RESULTS



LINE 2 RESULTS



9.1.7. NORMAL OPERATION, 106 KBPS

WORST EMISSIONS

Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1	LC Cables 1&3	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	.16913	33.2	Qp	1.2	0	10.1	44.5	65	-20.5	-	-
2	.17025	16.82	Ca	1.2	0	10.1	28.12	-	-	54.95	-26.83
3	.19725	31.98	Qp	1	0	10.1	43.08	63.73	-20.65	-	-
4	.1995	15.34	Ca	.9	0	10.1	26.34	-	-	53.63	-27.29
5	.25125	30.17	Qp	.7	0	10.1	40.97	61.72	-20.75	-	-
6	.2535	14.69	Ca	.7	0	10.1	25.49	-	-	51.64	-26.15
7	.28725	26.38	Qp	.6	0	10.1	37.08	60.6	-23.52	-	-
8	.28613	11.08	Ca	.6	0	10.1	21.78	-	-	50.64	-28.86
9	.81825	31.2	Qp	.3	0	10.1	41.6	56	-14.4	-	-
10	.81375	22.66	Ca	.3	0	10.1	33.06	-	-	46	-12.94
11	13.56	43.46	Qp	.2	.2	10.2	54.06	60	-5.94	-	-
12	13.56	40.29	Ca	.2	.2	10.2	50.89	-	-	50	.89

Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2	LC Cables 2&3	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	.17025	34.07	Qp	1.2	0	10.1	45.37	64.95	-19.58	-	-
14	.17025	16.64	Ca	1.2	0	10.1	27.94	-	-	54.95	-27.01
15	.222	29.92	Qp	.9	0	10.1	40.92	62.74	-21.82	-	-
16	.22425	12.35	Ca	.9	0	10.1	23.35	-	-	52.66	-29.31
17	.2535	30.73	Qp	.7	0	10.1	41.53	61.64	-20.11	-	-
18	.2535	13.16	Ca	.7	0	10.1	23.96	-	-	51.64	-27.68
19	.285	27.36	Qp	.6	0	10.1	38.06	60.67	-22.61	-	-
20	.285	9.58	Ca	.6	0	10.1	20.28	-	-	50.67	-30.39
21	.8115	31.6	Qp	.3	0	10.1	42	56	-14	-	-
22	.81487	17.29	Ca	.3	0	10.1	27.69	-	-	46	-18.31
23	13.56	42.91	Qp	.2	.2	10.2	53.51	60	-6.49	-	-
24	13.56	39.52	Ca	.2	.2	10.2	50.12	-	-	50	.12

Qp - Quasi-Peak detector

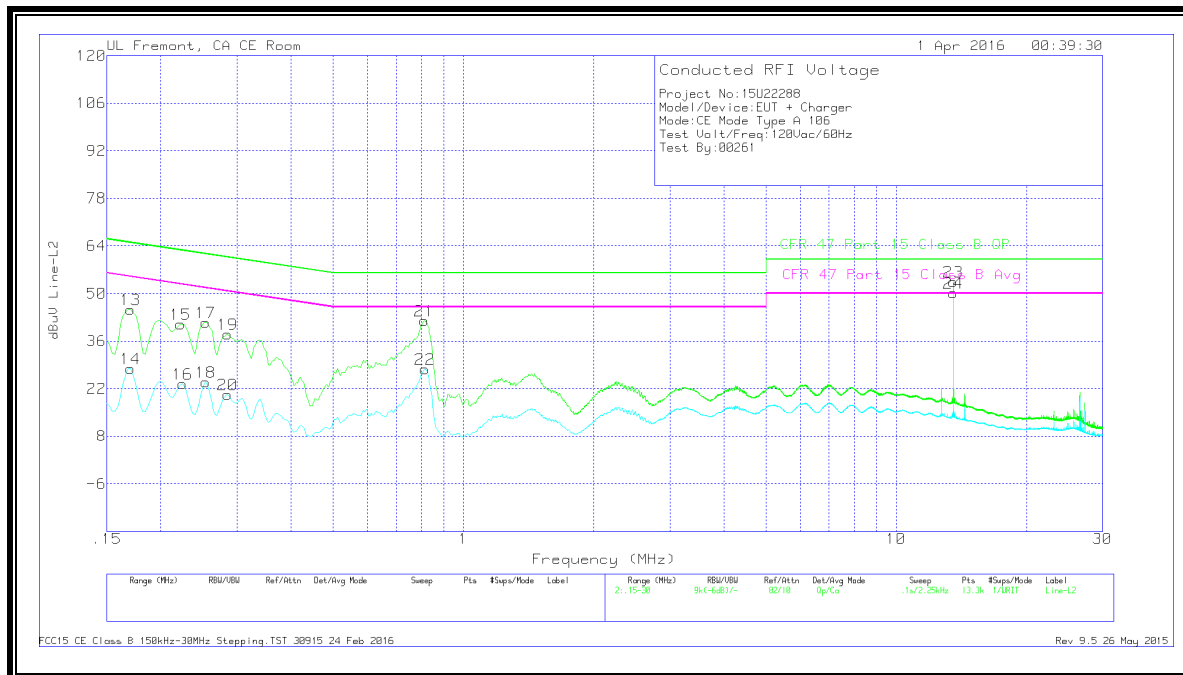
Ca - CISPR average detection

Note: 13.56MHz is a fundamental frequency of the EUT. Data under the following section indicate that when the antenna terminal is terminated the fundamental amplitude is lowering below the limit line.

LINE 1 RESULTS



LINE 2 RESULTS



9.1.8. WITH ANTENNA PORT TERMINATED, 106 KBPS

WORST EMISSIONS

Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1	LC Cables 1&3	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	.16575	32.73	Qp	1.2	0	10.1	44.03	65.17	-21.14	-	-
2	.16575	14.92	Ca	1.2	0	10.1	26.22	-	-	55.17	-28.95
3	.249	30.29	Qp	.7	0	10.1	41.09	61.79	-20.7	-	-
4	.249	12.29	Ca	.7	0	10.1	23.09	-	-	51.79	-28.7
5	.33	27.53	Qp	.5	0	10.1	38.13	59.45	-21.32	-	-
6	.3345	9.83	Ca	.5	0	10.1	20.43	-	-	49.34	-28.91
7	.41325	21.37	Qp	.4	0	10.1	31.87	57.58	-25.71	-	-
8	.4155	4.97	Ca	.4	0	10.1	15.47	-	-	47.54	-32.07
9	.58875	20.22	Qp	.3	0	10.1	30.62	56	-25.38	-	-
10	.58875	8.42	Ca	.3	0	10.1	18.82	-	-	46	-27.18
11	.77775	27.2	Qp	.3	0	10.1	37.6	56	-18.4	-	-
12	.77887	14.77	Ca	.3	0	10.1	25.17	-	-	46	-20.83

Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2	LC Cables 2&3	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	.16575	33.2	Qp	1.3	0	10.1	44.6	65.17	-20.57	-	-
14	.16575	15.67	Ca	1.3	0	10.1	27.07	-	-	55.17	-28.1
15	.249	30.61	Qp	.7	0	10.1	41.41	61.79	-20.38	-	-
16	.249	13.96	Ca	.7	0	10.1	24.76	-	-	51.79	-27.03
17	.33	27.08	Qp	.5	0	10.1	37.68	59.45	-21.77	-	-
18	.33337	11.31	Ca	.5	0	10.1	21.91	-	-	49.37	-27.46
19	.41325	20.64	Qp	.4	0	10.1	31.14	57.58	-26.44	-	-
20	.4155	6.13	Ca	.4	0	10.1	16.63	-	-	47.54	-30.91
21	.58875	18.82	Qp	.3	0	10.1	29.22	56	-26.78	-	-
22	.58875	11.7	Ca	.3	0	10.1	22.1	-	-	46	-23.9
23	.7755	28.08	Qp	.3	0	10.1	38.48	56	-17.52	-	-
24	.771	17.45	Ca	.3	0	10.1	27.85	-	-	46	-18.15

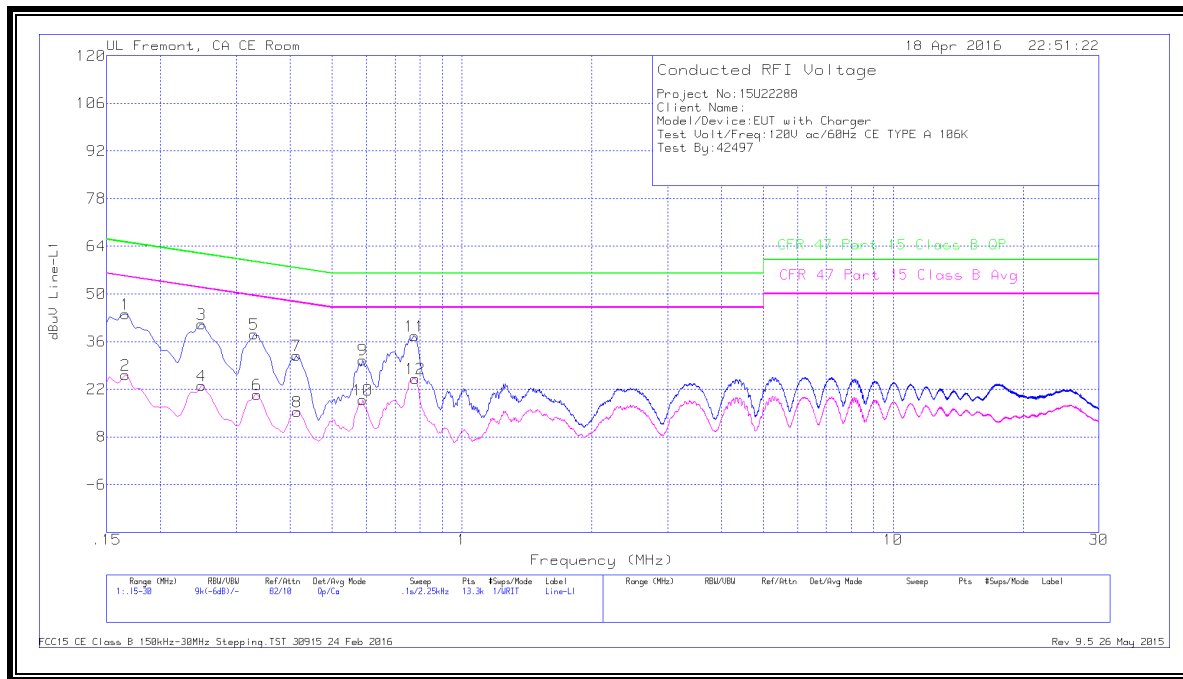
Qp - Quasi-Peak detector

Ca - CISPR average detection

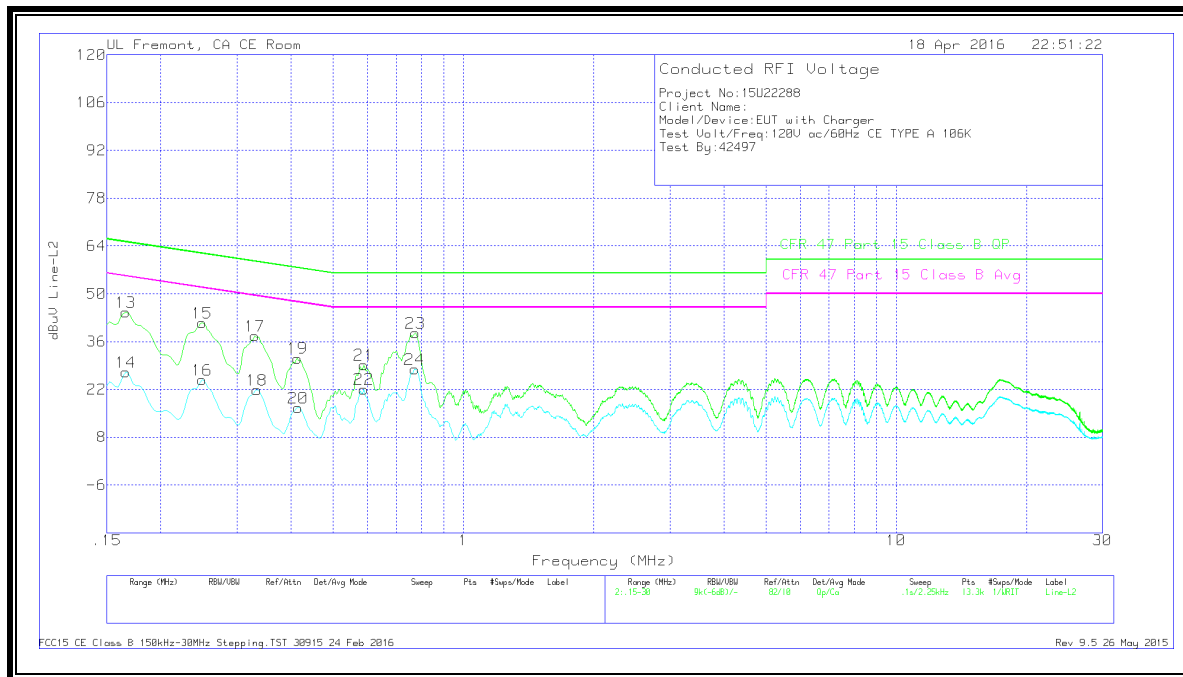
FCC15 CE Class B 150kHz-30MHz Stepping.TST 30915 24 Feb 2016

Rev 9.5 26 May 2015

LINE 1 RESULTS



LINE 2 RESULTS



9.2. CE MODE TYPE B

9.2.1. NORMAL OPERATION, 848 KBPS

6 WORST EMISSIONS

Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1	LC Cables 1&3	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	.168	32.68	Qp	1.2	0	10.1	43.98	65.06	-21.08	-	-
2	.168	15.68	Ca	1.2	0	10.1	26.98	-	-	55.06	-28.08
3	.19725	30.96	Qp	1	0	10.1	42.06	63.73	-21.67	-	-
4	.20175	13.9	Ca	.9	0	10.1	24.9	-	-	53.54	-28.64
5	.25125	29.78	Qp	.7	0	10.1	40.58	61.72	-21.14	-	-
6	.2535	14.01	Ca	.7	0	10.1	24.81	-	-	51.64	-26.83
7	.28725	25.72	Qp	.6	0	10.1	36.42	60.6	-24.18	-	-
8	.28725	10.43	Ca	.6	0	10.1	21.13	-	-	50.6	-29.47
9	.3345	25.71	Qp	.5	0	10.1	36.31	59.34	-23.03	-	-
10	.33675	11.09	Ca	.5	0	10.1	21.69	-	-	49.28	-27.59
11	.81375	31.02	Qp	.3	0	10.1	41.42	56	-14.58	-	-
12	.81375	23.01	Ca	.3	0	10.1	33.41	-	-	46	-12.59
13	13.56	44.53	Qp	.2	.2	10.2	55.13	60	-4.87	-	-
14	13.56	41.37	Ca	.2	.2	10.2	51.97	-	-	50	1.97

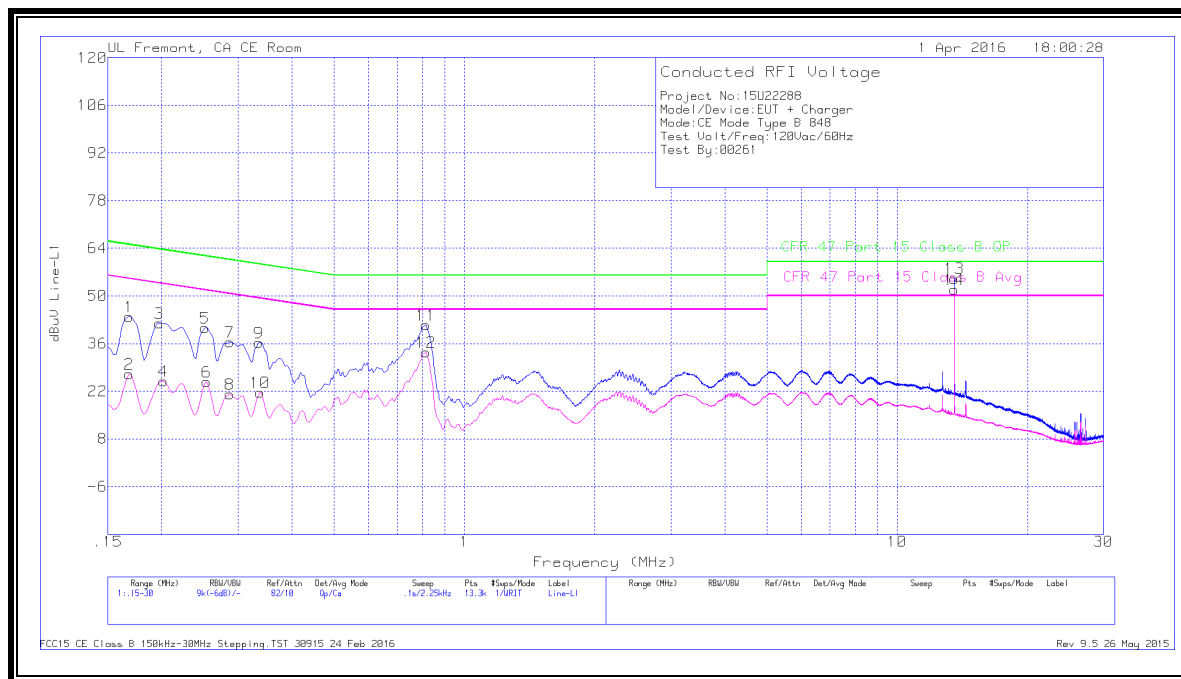
Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2	LC Cables 2&3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
15	.168	33.6	Qp	1.3	0	10.1	45	65.06	-20.06	-	-
16	.168	15.51	Ca	1.3	0	10.1	26.91	-	-	55.06	-28.15
17	.222	29.4	Qp	.9	0	10.1	40.4	62.74	-22.34	-	-
18	.222	11.27	Ca	.9	0	10.1	22.27	-	-	52.74	-30.47
19	.2535	30.51	Qp	.7	0	10.1	41.31	61.64	-20.33	-	-
20	.2535	12.31	Ca	.7	0	10.1	23.11	-	-	51.64	-28.53
21	.2895	26.43	Qp	.6	0	10.1	37.13	60.54	-23.41	-	-
22	.28725	8.27	Ca	.6	0	10.1	18.97	-	-	50.6	-31.63
23	.339	25.57	Qp	.5	0	10.1	36.17	59.23	-23.06	-	-
24	.33675	7.8	Ca	.5	0	10.1	18.4	-	-	49.28	-30.88
25	.81375	31.51	Qp	.3	0	10.1	41.91	56	-14.09	-	-
26	.81375	17.11	Ca	.3	0	10.1	27.51	-	-	46	-18.49
27	13.56	44.13	Qp	.2	.2	10.2	54.73	60	-5.27	-	-
28	13.56	40.74	Ca	.2	.2	10.2	51.34	-	-	50	1.34

Qp - Quasi-Peak detector

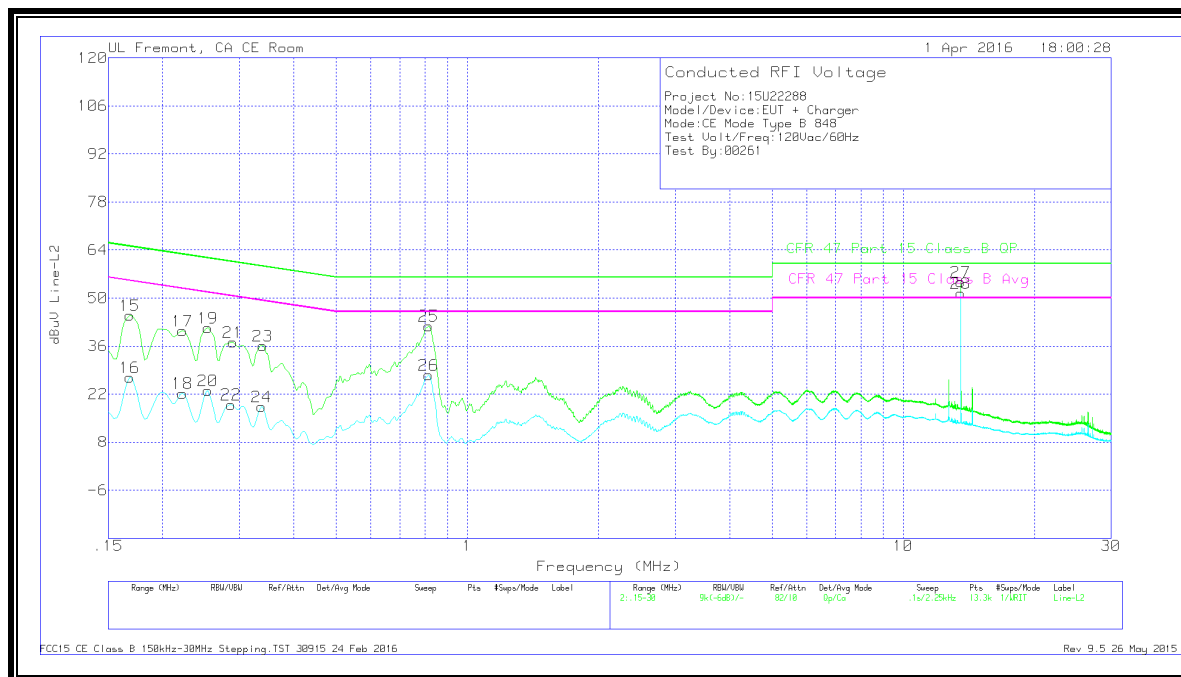
Ca - CISPR average detection

Note: 13.56MHz is a fundamental frequency of the EUT. Data under the following section indicate that when the antenna terminal is terminated the fundamental amplitude is lowering below the limit line.

LINE 1 RESULTS



LINE 2 RESULTS



9.2.2. WITH ANTENNA PORT TERMINATED, 848 KBPS

WORST EMISSIONS

Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1	LC Cables 1&3	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	.16125	31.38	Qp	1.3	0	10.1	42.78	65.4	-22.62	-	-
2	.16575	14.18	Ca	1.2	0	10.1	25.48	-	-	55.17	-29.69
3	.249	28.74	Qp	.7	0	10.1	39.54	61.79	-22.25	-	-
4	.24675	11.76	Ca	.7	0	10.1	22.56	-	-	51.87	-29.31
5	.32775	26.11	Qp	.5	0	10.1	36.71	59.51	-22.8	-	-
6	.33	9.46	Ca	.5	0	10.1	20.06	-	-	49.45	-29.39
7	.40875	20.54	Qp	.4	0	10.1	31.04	57.67	-26.63	-	-
8	.40875	4.94	Ca	.4	0	10.1	15.44	-	-	47.67	-32.23
9	.582	18.92	Qp	.3	0	10.1	29.32	56	-26.68	-	-
10	.582	7.82	Ca	.3	0	10.1	18.22	-	-	46	-27.78
11	.762	24.65	Qp	.3	0	10.1	35.05	56	-20.95	-	-
12	.75975	13.43	Ca	.3	0	10.1	23.83	-	-	46	-22.17

Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2	LC Cables 2&3	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	.16575	31.5	Qp	1.3	0	10.1	42.9	65.17	-22.27	-	-
14	.16575	14.75	Ca	1.3	0	10.1	26.15	-	-	55.17	-29.02
15	.24675	29.09	Qp	.7	0	10.1	39.89	61.87	-21.98	-	-
16	.24675	13.39	Ca	.7	0	10.1	24.19	-	-	51.87	-27.68
17	.32775	25.7	Qp	.5	0	10.1	36.3	59.51	-23.21	-	-
18	.33	11.09	Ca	.5	0	10.1	21.69	-	-	49.45	-27.76
19	.40875	19.94	Qp	.4	0	10.1	30.44	57.67	-27.23	-	-
20	.40875	6.09	Ca	.4	0	10.1	16.59	-	-	47.67	-31.08
21	.58425	17.17	Qp	.3	0	10.1	27.57	56	-28.43	-	-
22	.58425	11.66	Ca	.3	0	10.1	22.06	-	-	46	-23.94
23	.76875	26.49	Qp	.3	0	10.1	36.89	56	-19.11	-	-
24	.77775	16.48	Ca	.3	0	10.1	26.88	-	-	46	-19.12

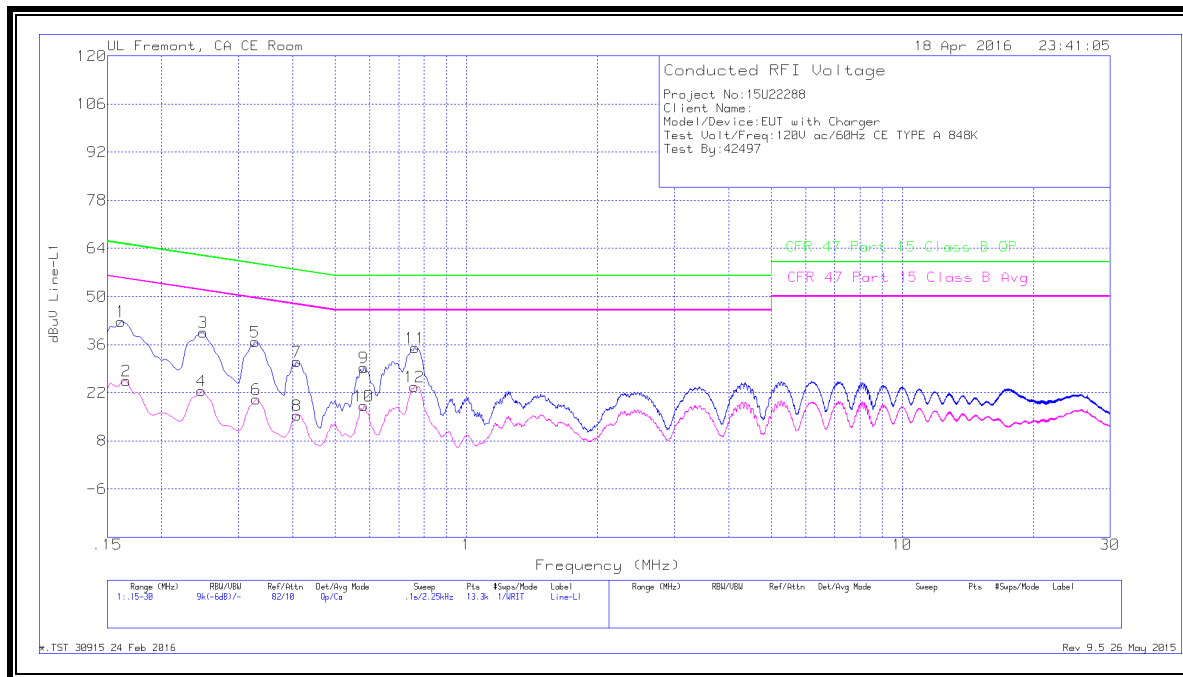
Qp - Quasi-Peak detector

Ca - CISPR average detection

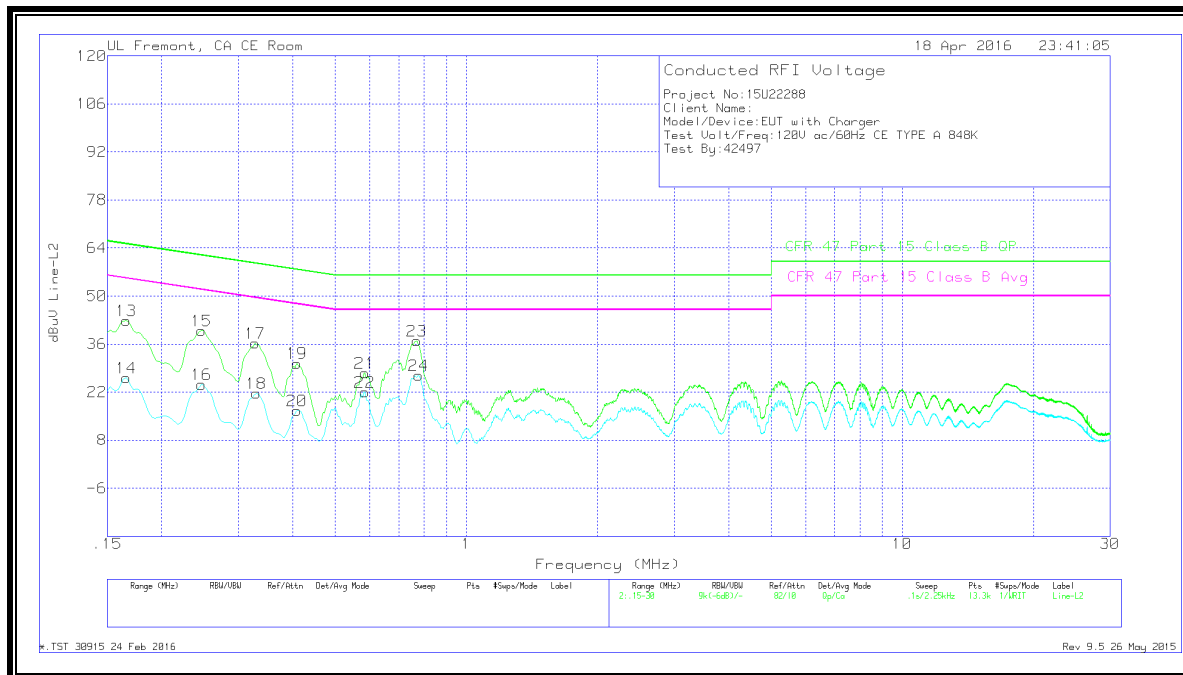
*.TST 30915 24 Feb 2016

Rev 9.5 26 May 2015

LINE 1 RESULTS



LINE 2 RESULTS



9.2.1. NORMAL OPERATION, 424 KBPS

6 WORST EMISSIONS

Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1	LC Cables 1&3	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	.168	32.73	Qp	1.2	0	10.1	44.03	65.06	-21.03	-	-
2	.168	15.48	Ca	1.2	0	10.1	26.78	-	-	55.06	-28.28
3	.19725	30.99	Qp	1	0	10.1	42.09	63.73	-21.64	-	-
4	.1995	13.6	Ca	.9	0	10.1	24.6	-	-	53.63	-29.03
5	.2535	29.8	Qp	.7	0	10.1	40.6	61.64	-21.04	-	-
6	.2535	13.82	Ca	.7	0	10.1	24.62	-	-	51.64	-27.02
7	.28725	25.79	Qp	.6	0	10.1	36.49	60.6	-24.11	-	-
8	.28725	10.23	Ca	.6	0	10.1	20.93	-	-	50.6	-29.67
9	.33675	25.73	Qp	.5	0	10.1	36.33	59.28	-22.95	-	-
10	.33675	10.91	Ca	.5	0	10.1	21.51	-	-	49.28	-27.77
11	.8115	30.91	Qp	.3	0	10.1	41.31	56	-14.69	-	-
12	.81375	22.73	Ca	.3	0	10.1	33.13	-	-	46	-12.87
13	13.56	44.91	Qp	.2	.2	10.2	55.51	60	-4.49	-	-
14	13.56	41.8	Ca	.2	.2	10.2	52.4	-	-	50	2.4

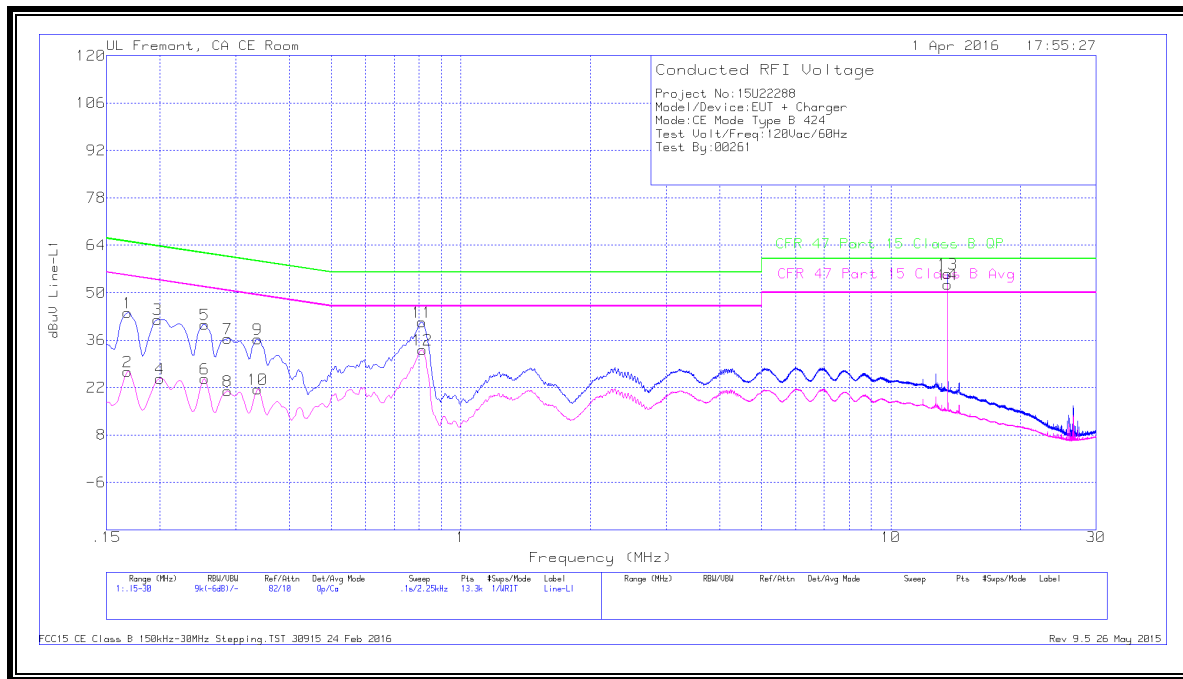
Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2	LC Cables 2&3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
15	.168	33.59	Qp	1.3	0	10.1	44.99	65.06	-20.07	-	-
16	.168	15.35	Ca	1.3	0	10.1	26.75	-	-	55.06	-28.31
17	.222	29.37	Qp	.9	0	10.1	40.37	62.74	-22.37	-	-
18	.222	11.06	Ca	.9	0	10.1	22.06	-	-	52.74	-30.68
19	.2535	30.45	Qp	.7	0	10.1	41.25	61.64	-20.39	-	-
20	.2535	12.13	Ca	.7	0	10.1	22.93	-	-	51.64	-28.71
21	.28725	26.28	Qp	.6	0	10.1	36.98	60.6	-23.62	-	-
22	.28613	8.16	Ca	.6	0	10.1	18.86	-	-	50.64	-31.78
23	.3345	25.52	Qp	.5	0	10.1	36.12	59.34	-23.22	-	-
24	.33675	7.6	Ca	.5	0	10.1	18.2	-	-	49.28	-31.08
25	.816	31.3	Qp	.3	0	10.1	41.7	56	-14.3	-	-
26	.81375	16.88	Ca	.3	0	10.1	27.28	-	-	46	-18.72
27	13.56	44.49	Qp	.2	.2	10.2	55.09	60	-4.91	-	-
28	13.56	41.2	Ca	.2	.2	10.2	51.8	-	-	50	1.8

Qp - Quasi-Peak detector

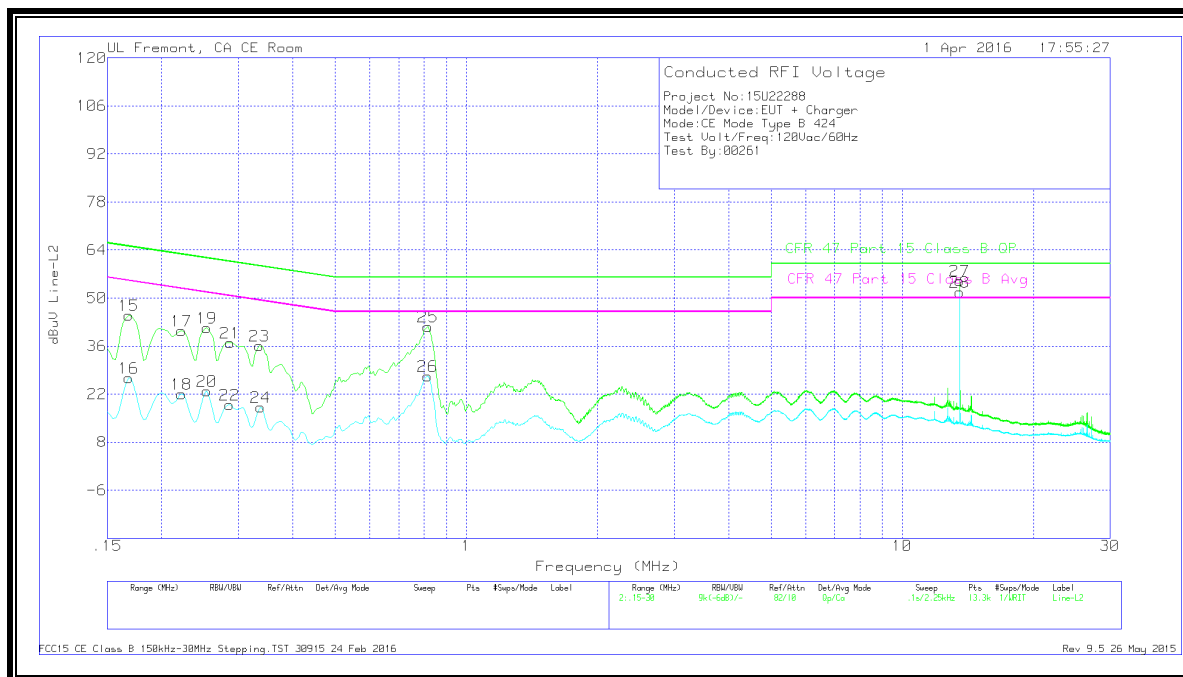
Ca - CISPR average detection

Note: 13.56MHz is a fundamental frequency of the EUT. Data under the following section indicate that when the antenna terminal is terminated the fundamental amplitude is lowering below the limit line.

LINE 1 RESULTS



LINE 2 RESULTS



9.2.2. WITH ANTENNA PORT TERMINATED, 424 KBPS

WORST EMISSIONS

Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1	LC Cables 1&3	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	.16575	32.59	Qp	1.2	0	10.1	43.89	65.17	-21.28	-	-
2	.16575	16.15	Ca	1.2	0	10.1	27.45	-	-	55.17	-27.72
3	.25125	30.09	Qp	.7	0	10.1	40.89	61.72	-20.83	-	-
4	.249	14.82	Ca	.7	0	10.1	25.62	-	-	51.79	-26.17
5	.33	27.32	Qp	.5	0	10.1	37.92	59.45	-21.53	-	-
6	.33225	13.07	Ca	.5	0	10.1	23.67	-	-	49.39	-25.72
7	.41325	21.31	Qp	.4	0	10.1	31.81	57.58	-25.77	-	-
8	.41437	8.32	Ca	.4	0	10.1	18.82	-	-	47.56	-28.74
9	.58875	19.63	Qp	.3	0	10.1	30.03	56	-25.97	-	-
10	.58875	13.96	Ca	.3	0	10.1	24.36	-	-	46	-21.64
11	.77325	28.35	Qp	.3	0	10.1	38.75	56	-17.25	-	-
12	.78	18.9	Ca	.3	0	10.1	29.3	-	-	46	-16.7

Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2	LC Cables 2&3	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	.16575	33.11	Qp	1.3	0	10.1	44.51	65.17	-20.66	-	-
14	.16575	15.57	Ca	1.3	0	10.1	26.97	-	-	55.17	-28.2
15	.24675	30.6	Qp	.7	0	10.1	41.4	61.87	-20.47	-	-
16	.249	12.86	Ca	.7	0	10.1	23.66	-	-	51.79	-28.13
17	.33	27.22	Qp	.5	0	10.1	37.82	59.45	-21.63	-	-
18	.33225	9.69	Ca	.5	0	10.1	20.29	-	-	49.39	-29.1
19	.411	20.53	Qp	.4	0	10.1	31.03	57.63	-26.6	-	-
20	.4155	4.49	Ca	.4	0	10.1	14.99	-	-	47.54	-32.55
21	.58875	20.52	Qp	.3	0	10.1	30.92	56	-25.08	-	-
22	.58875	8.05	Ca	.3	0	10.1	18.45	-	-	46	-27.55
23	.7755	27.68	Qp	.3	0	10.1	38.08	56	-17.92	-	-
24	.78	14.85	Ca	.3	0	10.1	25.25	-	-	46	-20.75

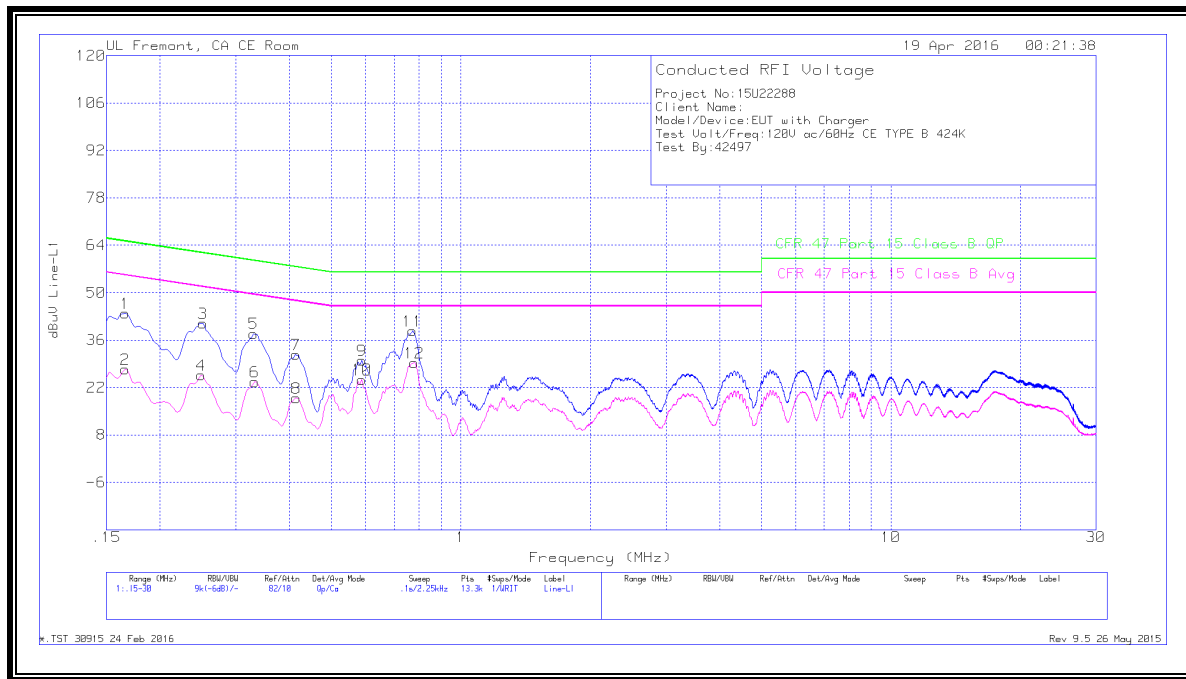
Qp - Quasi-Peak detector

Ca - CISPR average detection

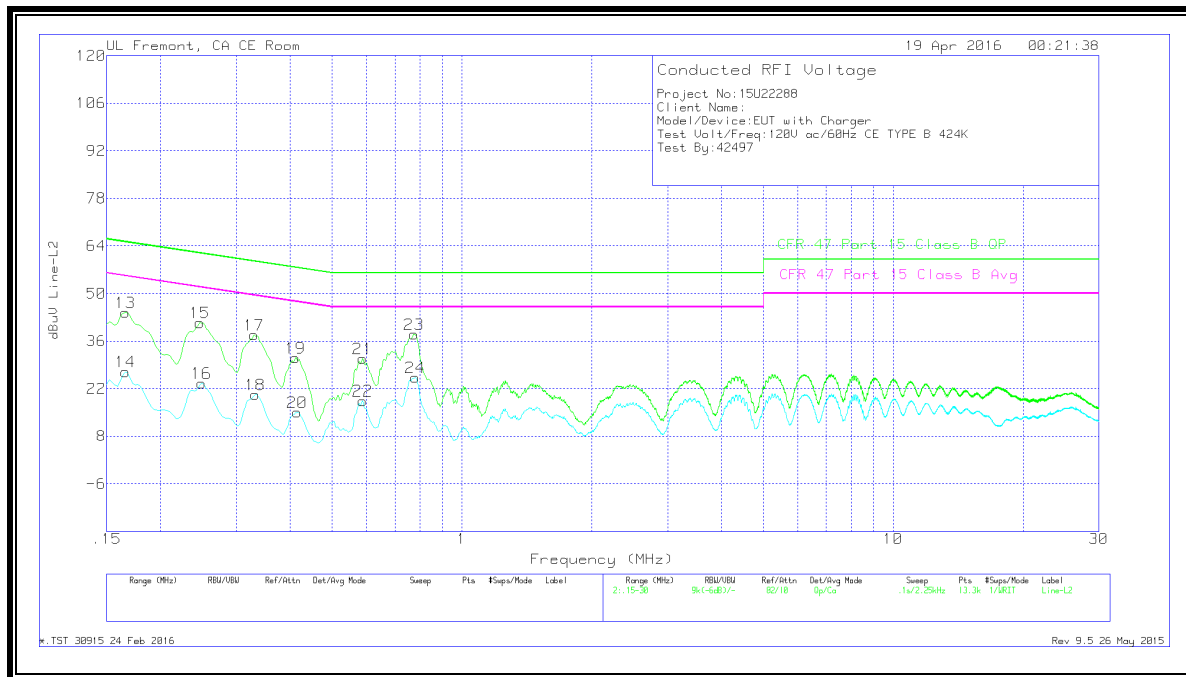
*,TST 30915 24 Feb 2016

Rev 9.5 26 May 2015

LINE 1 RESULTS



LINE 2 RESULTS



9.2.3. NORMAL OPERATION, 212 KBPS

6 WORST EMISSIONS

Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1	LC Cables 1&3	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	.168	33.05	Qp	1.2	0	10.1	44.35	65.06	-20.71	-	-
2	.168	16.07	Ca	1.2	0	10.1	27.37	-	-	55.06	-27.69
3	.19725	31.29	Qp	1	0	10.1	42.39	63.73	-21.34	-	-
4	.20175	14.34	Ca	.9	0	10.1	25.34	-	-	53.54	-28.2
5	.25125	30.1	Qp	.7	0	10.1	40.9	61.72	-20.82	-	-
6	.2535	14.26	Ca	.7	0	10.1	25.06	-	-	51.64	-26.58
7	.28725	26.12	Qp	.6	0	10.1	36.82	60.6	-23.78	-	-
8	.28725	10.72	Ca	.6	0	10.1	21.42	-	-	50.6	-29.18
9	.33675	26.03	Qp	.5	0	10.1	36.63	59.28	-22.65	-	-
10	.339	11.22	Ca	.5	0	10.1	21.82	-	-	49.23	-27.41
11	.80475	31.17	Qp	.3	0	10.1	41.57	56	-14.43	-	-
12	.81375	23.07	Ca	.3	0	10.1	33.47	-	-	46	-12.53
13	13.56	44.97	Qp	.2	.2	10.2	55.57	60	-4.43	-	-
14	13.56	41.82	Ca	.2	.2	10.2	52.42	-	-	50	2.42

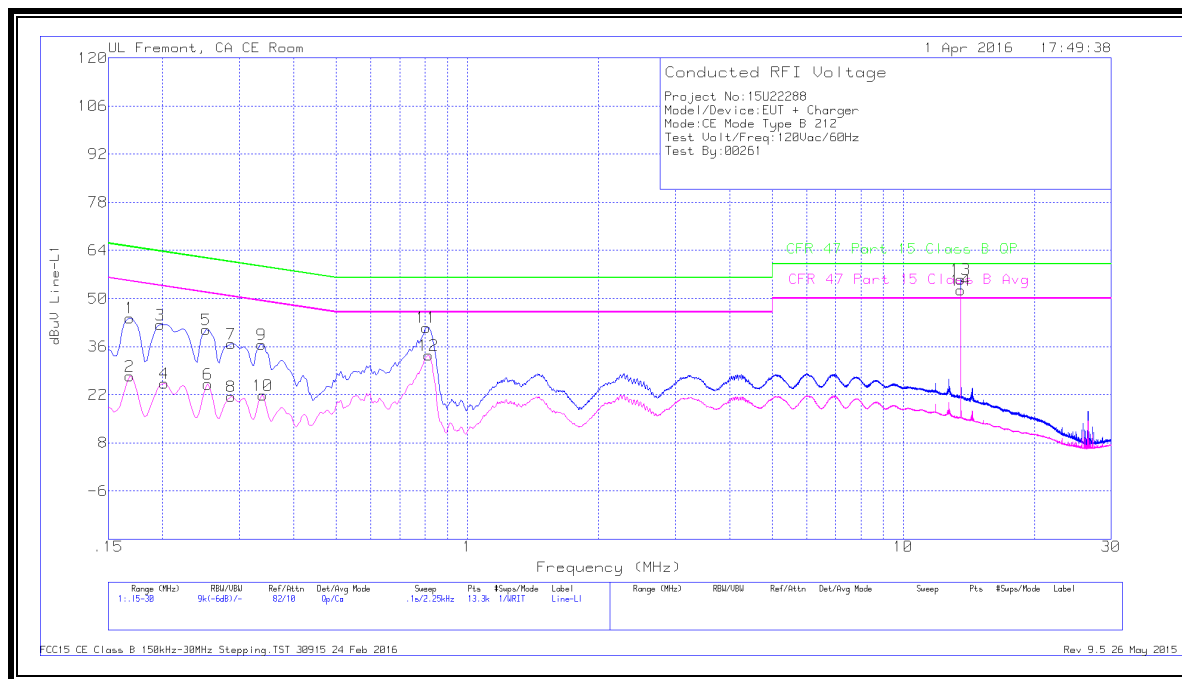
Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2	LC Cables 2&3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
15	.17025	33.98	Qp	1.2	0	10.1	45.28	64.95	-19.67	-	-
16	.168	15.68	Ca	1.3	0	10.1	27.08	-	-	55.06	-27.98
17	.222	29.65	Qp	.9	0	10.1	40.65	62.74	-22.09	-	-
18	.222	11.29	Ca	.9	0	10.1	22.29	-	-	52.74	-30.45
19	.2535	30.76	Qp	.7	0	10.1	41.56	61.64	-20.08	-	-
20	.2535	12.52	Ca	.7	0	10.1	23.32	-	-	51.64	-28.32
21	.2895	26.58	Qp	.6	0	10.1	37.28	60.54	-23.26	-	-
22	.28725	8.54	Ca	.6	0	10.1	19.24	-	-	50.6	-31.36
23	.33675	25.85	Qp	.5	0	10.1	36.45	59.28	-22.83	-	-
24	.339	7.93	Ca	.5	0	10.1	18.53	-	-	49.23	-30.7
25	.81375	31.63	Qp	.3	0	10.1	42.03	56	-13.97	-	-
26	.81375	17.31	Ca	.3	0	10.1	27.71	-	-	46	-18.29
27	13.56	44.6	Qp	.2	.2	10.2	55.2	60	-4.8	-	-
28	13.56	41.24	Ca	.2	.2	10.2	51.84	-	-	50	1.84

Qp - Quasi-Peak detector

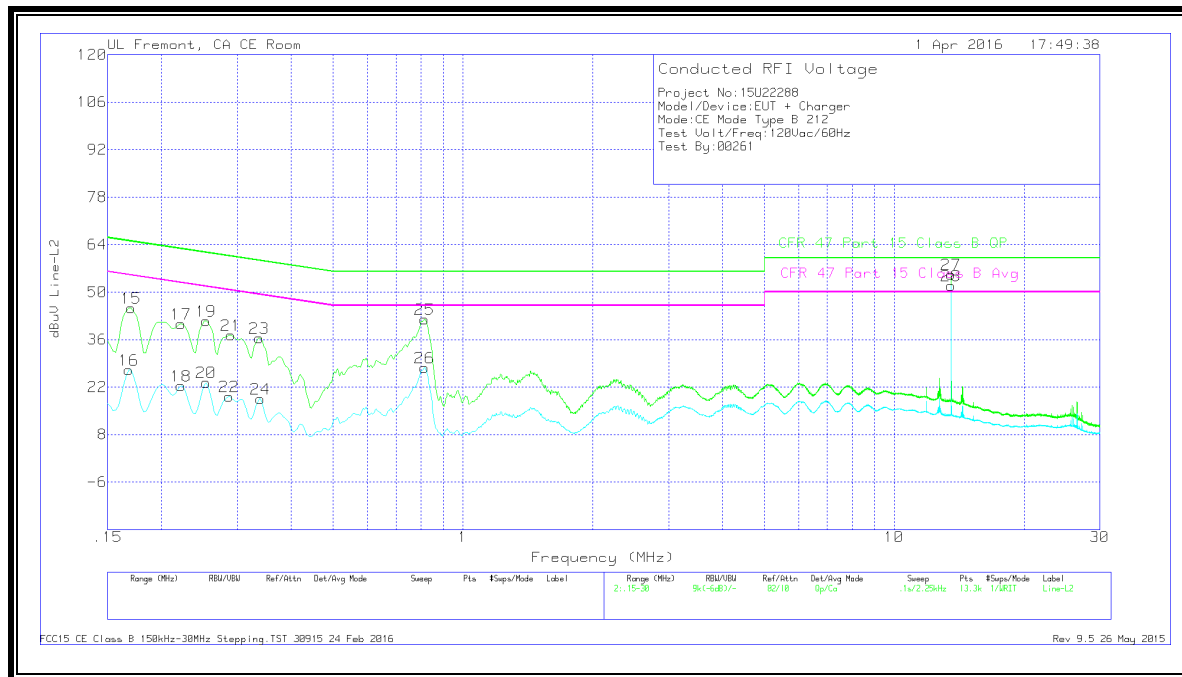
Ca - CISPR average detection

Note: 13.56MHz is a fundamental frequency of the EUT. Data under the following section indicate that when the antenna terminal is terminated the fundamental amplitude is lowering below the limit line.

LINE 1 RESULTS



LINE 2 RESULTS



9.2.4. WITH ANTENNA PORT TERMINATED, 212 KBPS

WORST EMISSIONS

Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1	LC Cables 1&3	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	.16575	32.01	Qp	1.2	0	10.1	43.31	65.17	-21.86	-	-
2	.16575	15.7	Ca	1.2	0	10.1	27	-	-	55.17	-28.17
3	.24675	29.63	Qp	.7	0	10.1	40.43	61.87	-21.44	-	-
4	.249	14.43	Ca	.7	0	10.1	25.23	-	-	51.79	-26.56
5	.33	26.69	Qp	.5	0	10.1	37.29	59.45	-22.16	-	-
6	.33225	12.85	Ca	.5	0	10.1	23.45	-	-	49.39	-25.94
7	.411	21	Qp	.4	0	10.1	31.5	57.63	-26.13	-	-
8	.4155	8.22	Ca	.4	0	10.1	18.72	-	-	47.54	-28.82
9	.5865	19.31	Qp	.3	0	10.1	29.71	56	-26.29	-	-
10	.5865	13.95	Ca	.3	0	10.1	24.35	-	-	46	-21.65
11	.7665	27.24	Qp	.3	0	10.1	37.64	56	-18.36	-	-
12	.7755	18.39	Ca	.3	0	10.1	28.79	-	-	46	-17.21

Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2	LC Cables 2&3	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	.16575	32.55	Qp	1.3	0	10.1	43.95	65.17	-21.22	-	-
14	.16575	15.08	Ca	1.3	0	10.1	26.48	-	-	55.17	-28.69
15	.24675	30.16	Qp	.7	0	10.1	40.96	61.87	-20.91	-	-
16	.249	12.5	Ca	.7	0	10.1	23.3	-	-	51.79	-28.49
17	.33	26.69	Qp	.5	0	10.1	37.29	59.45	-22.16	-	-
18	.33225	9.4	Ca	.5	0	10.1	20	-	-	49.39	-29.39
19	.411	20.19	Qp	.4	0	10.1	30.69	57.63	-26.94	-	-
20	.4155	4.27	Ca	.4	0	10.1	14.77	-	-	47.54	-32.77
21	.5865	20.33	Qp	.3	0	10.1	30.73	56	-25.27	-	-
22	.5865	7.99	Ca	.3	0	10.1	18.39	-	-	46	-27.61
23	.77775	27.1	Qp	.3	0	10.1	37.5	56	-18.5	-	-
24	.78	14.35	Ca	.3	0	10.1	24.75	-	-	46	-21.25

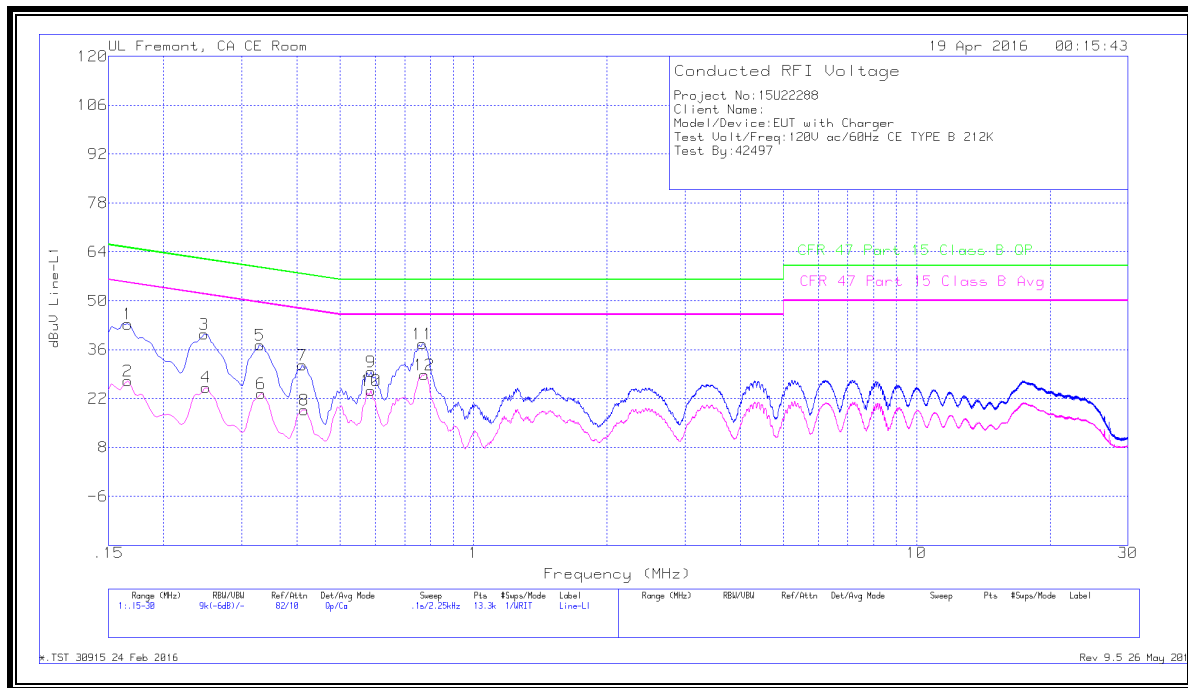
Qp - Quasi-Peak detector

Ca - CISPR average detection

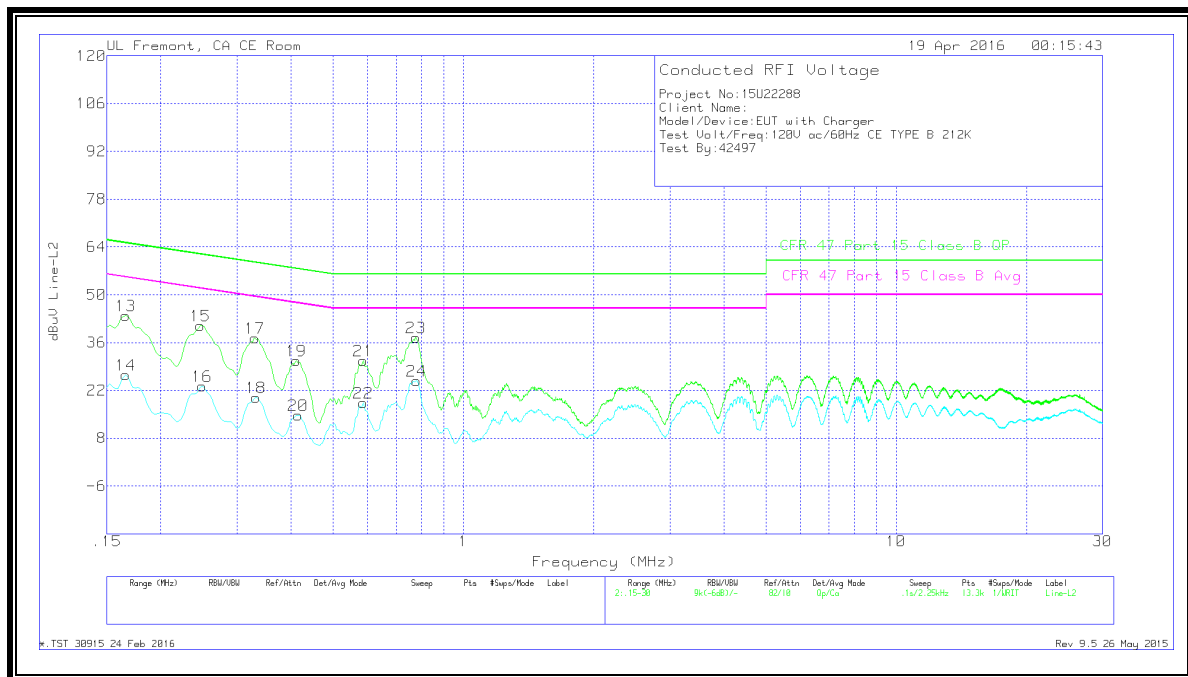
*.TST 30915 24 Feb 2016

Rev 9.5 26 May 2015

LINE 1 RESULTS



LINE 2 RESULTS



9.2.5. NORMAL OPERATION, 106 KBPS

WORST EMISSIONS

Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1	LC Cables 1&3	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	.17025	33.71	Qp	1.2	0	10.1	45.01	64.95	-19.94	-	-
2	.17025	16.28	Ca	1.2	0	10.1	27.58	-	-	54.95	-27.37
3	.19725	32.16	Qp	1	0	10.1	43.26	63.73	-20.47	-	-
4	.20175	14.51	Ca	.9	0	10.1	25.51	-	-	53.54	-28.03
5	.2535	30.53	Qp	.7	0	10.1	41.33	61.64	-20.31	-	-
6	.2535	14.1	Ca	.7	0	10.1	24.9	-	-	51.64	-26.74
7	.28725	26.57	Qp	.6	0	10.1	37.27	60.6	-23.33	-	-
8	.28725	10.63	Ca	.6	0	10.1	21.33	-	-	50.6	-29.27
9	.33675	26.31	Qp	.5	0	10.1	36.91	59.28	-22.37	-	-
10	.339	11.13	Ca	.5	0	10.1	21.73	-	-	49.23	-27.5
11	.81375	31.88	Qp	.3	0	10.1	42.28	56	-13.72	-	-
12	.816	23.21	Ca	.3	0	10.1	33.61	-	-	46	-12.39
13	13.56	44.69	Qp	.2	.2	10.2	55.29	60	-4.71	-	-
14	13.56	41.57	Ca	.2	.2	10.2	52.17	-	-	50	2.17

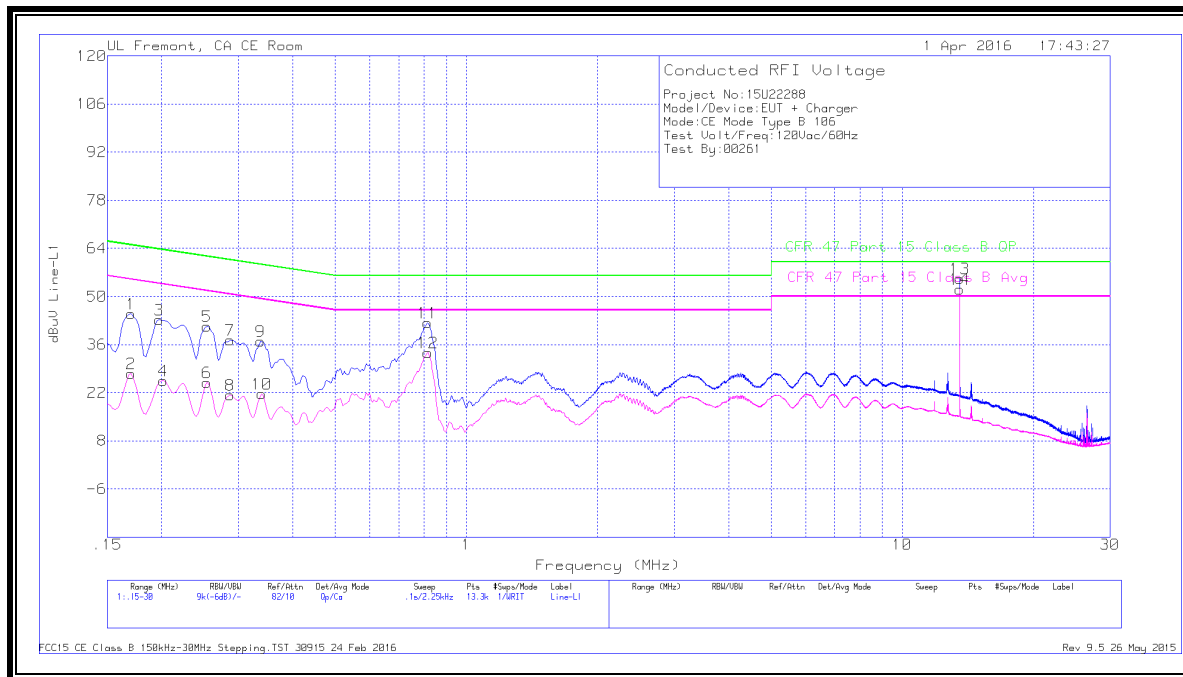
Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2	LC Cables 2&3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
15	.17025	34.67	Qp	1.2	0	10.1	45.97	64.95	-18.98	-	-
16	.17025	16.27	Ca	1.2	0	10.1	27.57	-	-	54.95	-27.38
17	.22425	30.16	Qp	.9	0	10.1	41.16	62.66	-21.5	-	-
18	.22425	11.69	Ca	.9	0	10.1	22.69	-	-	52.66	-29.97
19	.2535	31.29	Qp	.7	0	10.1	42.09	61.64	-19.55	-	-
20	.2535	12.61	Ca	.7	0	10.1	23.41	-	-	51.64	-28.23
21	.28725	27.19	Qp	.6	0	10.1	37.89	60.6	-22.71	-	-
22	.28725	8.82	Ca	.6	0	10.1	19.52	-	-	50.6	-31.08
23	.33675	26.34	Qp	.5	0	10.1	36.94	59.28	-22.34	-	-
24	.339	7.95	Ca	.5	0	10.1	18.55	-	-	49.23	-30.68
25	.816	32.09	Qp	.3	0	10.1	42.49	56	-13.51	-	-
26	.816	17.43	Ca	.3	0	10.1	27.83	-	-	46	-18.17
27	13.56	44.28	Qp	.2	.2	10.2	54.88	60	-5.12	-	-
28	13.56	40.89	Ca	.2	.2	10.2	51.49	-	-	50	1.49

Qp - Quasi-Peak detector

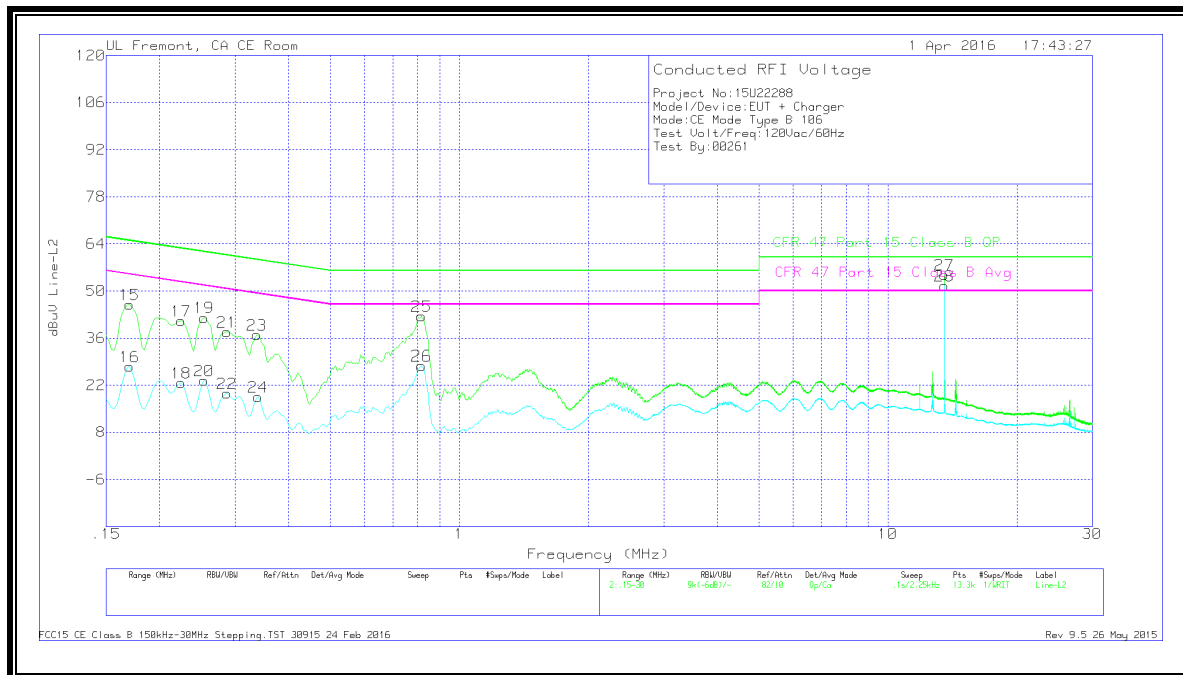
Ca - CISPR average detection

Note: 13.56MHz is a fundamental frequency of the EUT. Data under the following section indicate that when the antenna terminal is terminated the fundamental amplitude is lowering below the limit line.

LINE 1 RESULTS



LINE 2 RESULTS



9.2.6. WITH ANTENNA PORT TERMINATED, 106 KBPS

WORST EMISSIONS

Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1	LC Cables 1&3	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	.16575	32.16	Qp	1.2	0	10.1	43.46	65.17	-21.71	-	-
2	.16575	15.27	Ca	1.2	0	10.1	26.57	-	-	55.17	-28.6
3	.24675	29.86	Qp	.7	0	10.1	40.66	61.87	-21.21	-	-
4	.249	12.65	Ca	.7	0	10.1	23.45	-	-	51.79	-28.34
5	.33	27.13	Qp	.5	0	10.1	37.73	59.45	-21.72	-	-
6	.33225	10.17	Ca	.5	0	10.1	20.77	-	-	49.39	-28.62
7	.411	21.19	Qp	.4	0	10.1	31.69	57.63	-25.94	-	-
8	.4155	5.38	Ca	.4	0	10.1	15.88	-	-	47.54	-31.66
9	.5865	19.63	Qp	.3	0	10.1	30.03	56	-25.97	-	-
10	.5865	8.3	Ca	.3	0	10.1	18.7	-	-	46	-27.3
11	.7755	26.4	Qp	.3	0	10.1	36.8	56	-19.2	-	-
12	.7665	14.43	Ca	.3	0	10.1	24.83	-	-	46	-21.17

Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2	LC Cables 2&3	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	.16575	32.71	Qp	1.3	0	10.1	44.11	65.17	-21.06	-	-
14	.16575	15.95	Ca	1.3	0	10.1	27.35	-	-	55.17	-27.82
15	.24675	30.23	Qp	.7	0	10.1	41.03	61.87	-20.84	-	-
16	.249	14.33	Ca	.7	0	10.1	25.13	-	-	51.79	-26.66
17	.33	26.68	Qp	.5	0	10.1	37.28	59.45	-22.17	-	-
18	.33225	11.72	Ca	.5	0	10.1	22.32	-	-	49.39	-27.07
19	.411	20.37	Qp	.4	0	10.1	30.87	57.63	-26.76	-	-
20	.41437	6.42	Ca	.4	0	10.1	16.92	-	-	47.56	-30.64
21	.5865	18.35	Qp	.3	0	10.1	28.75	56	-27.25	-	-
22	.5865	11.9	Ca	.3	0	10.1	22.3	-	-	46	-23.7
23	.76875	27.52	Qp	.3	0	10.1	37.92	56	-18.08	-	-
24	.78	17.08	Ca	.3	0	10.1	27.48	-	-	46	-18.52

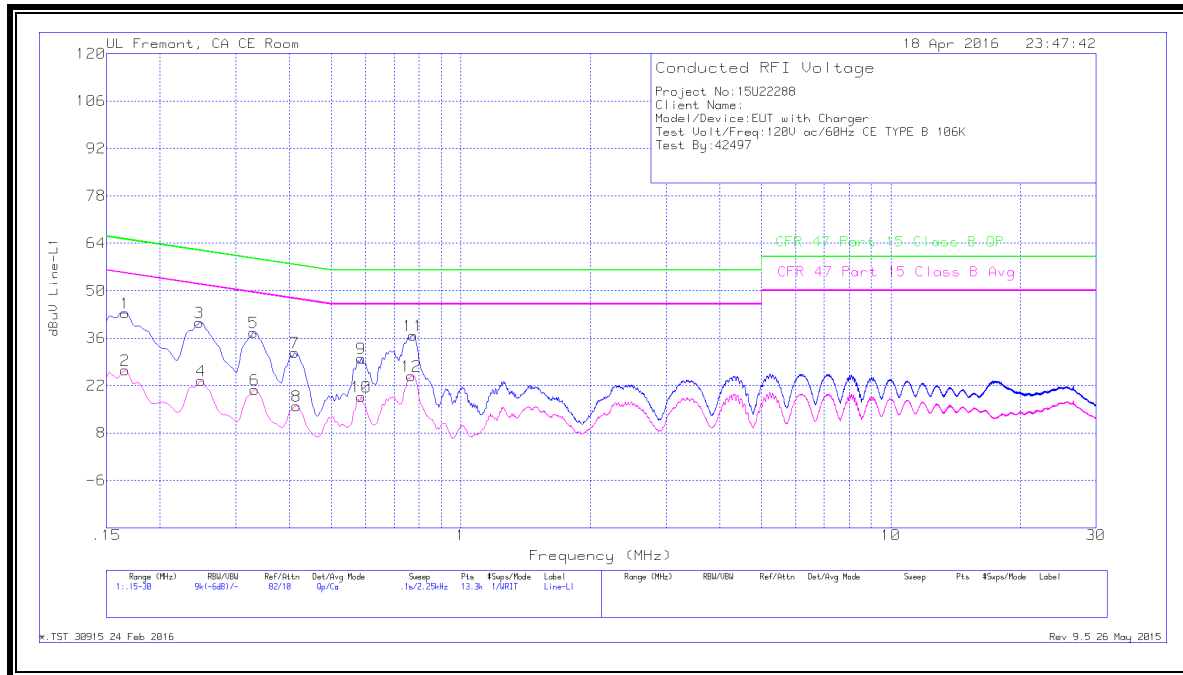
Qp - Quasi-Peak detector

Ca - CISPR average detection

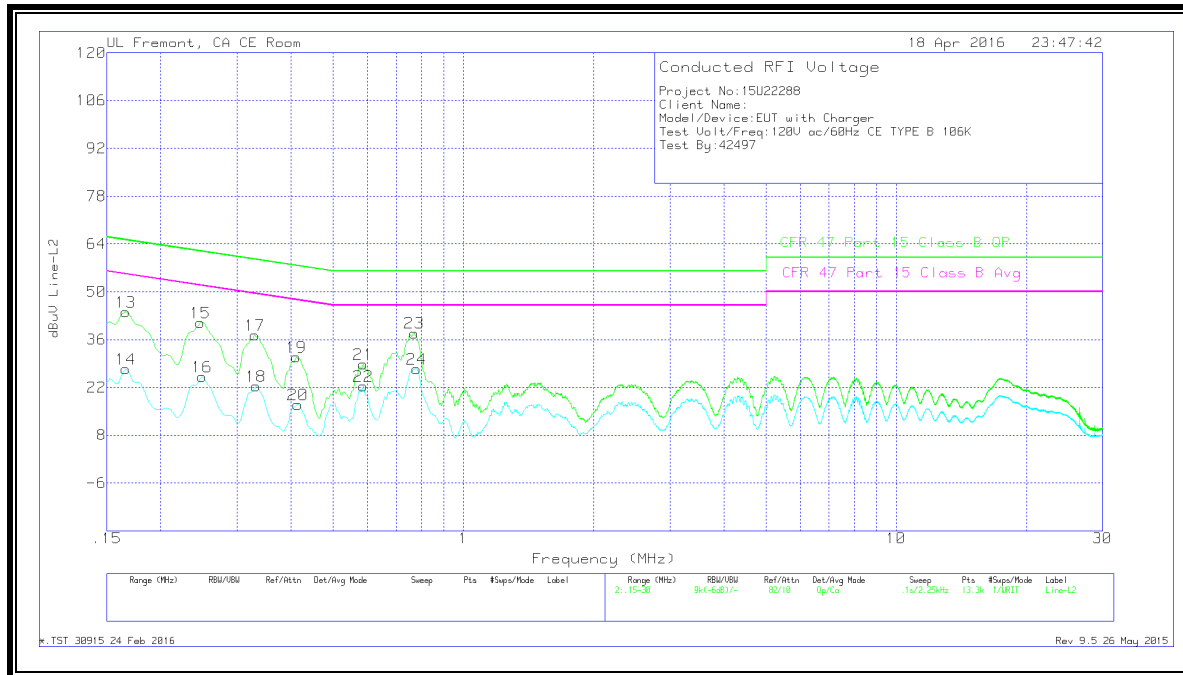
*.TST 30915 24 Feb 2016

Rev 9.5 26 May 2015

LINE 1 RESULTS



LINE 2 RESULTS



9.3. CE MODE TYPE F

9.3.1. NORMAL OPERATION, 424 KBPS

6 WORST EMISSIONS

Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1	LC Cables 1&3	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	.168	32.45	Qp	1.2	0	10.1	43.75	65.06	-21.31	-	-
2	.168	15.64	Ca	1.2	0	10.1	26.94	-	-	55.06	-28.12
3	.19725	31.06	Qp	1	0	10.1	42.16	63.73	-21.57	-	-
4	.1995	13.97	Ca	.9	0	10.1	24.97	-	-	53.63	-28.66
5	.25125	29.53	Qp	.7	0	10.1	40.33	61.72	-21.39	-	-
6	.2535	13.9	Ca	.7	0	10.1	24.7	-	-	51.64	-26.94
7	.285	25.47	Qp	.6	0	10.1	36.17	60.67	-24.5	-	-
8	.285	10.24	Ca	.6	0	10.1	20.94	-	-	50.67	-29.73
9	.339	25.39	Qp	.5	0	10.1	35.99	59.23	-23.24	-	-
10	.33675	10.97	Ca	.5	0	10.1	21.57	-	-	49.28	-27.71
11	.81375	30.87	Qp	.3	0	10.1	41.27	56	-14.73	-	-
12	.81375	22.98	Ca	.3	0	10.1	33.38	-	-	46	-12.62
13	13.56	44.68	Qp	.2	.2	10.2	55.28	60	-4.72	-	-
14	13.56	41.5	Ca	.2	.2	10.2	52.1	-	-	50	2.1

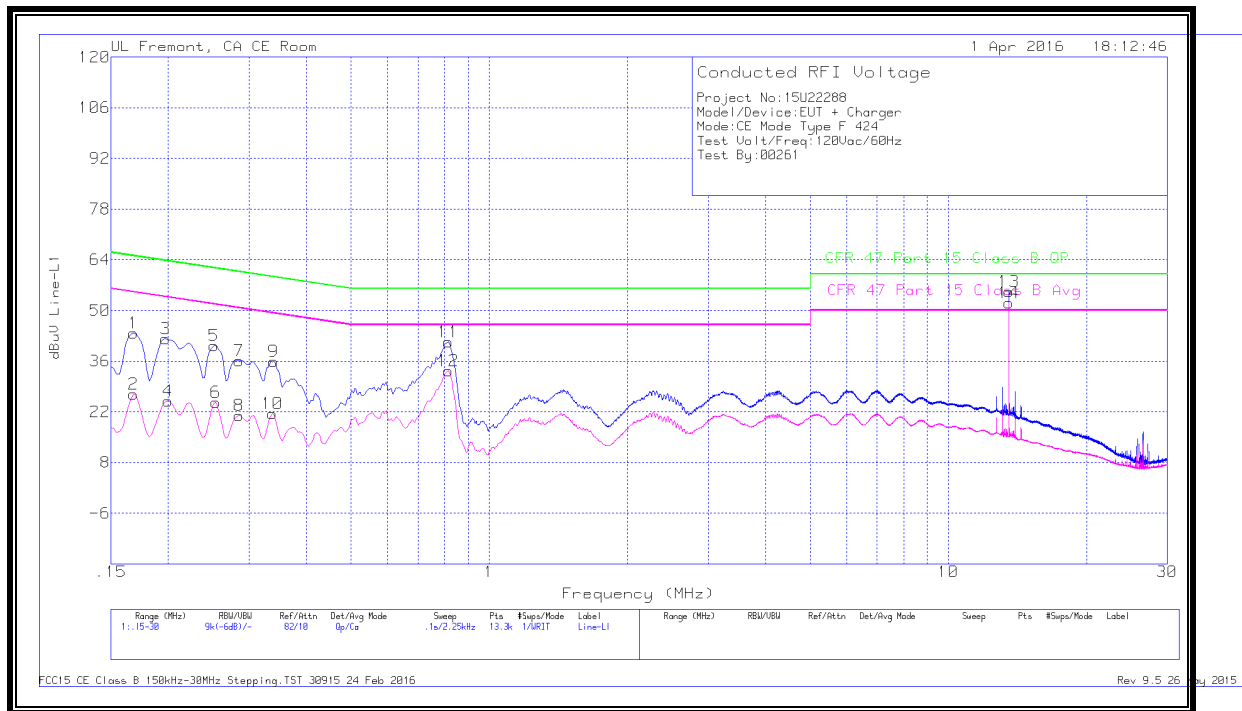
Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2	LC Cables 2&3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
15	.168	33.4	Qp	1.3	0	10.1	44.8	65.06	-20.26	-	-
16	.168	15.28	Ca	1.3	0	10.1	26.68	-	-	55.06	-28.38
17	.222	29.52	Qp	.9	0	10.1	40.52	62.74	-22.22	-	-
18	.222	11.23	Ca	.9	0	10.1	22.23	-	-	52.74	-30.51
19	.2535	30.36	Qp	.7	0	10.1	41.16	61.64	-20.48	-	-
20	.2535	12.06	Ca	.7	0	10.1	22.86	-	-	51.64	-28.78
21	.30525	25.66	Qp	.6	0	10.1	36.36	60.1	-23.74	-	-
22	.30525	7.71	Ca	.6	0	10.1	18.41	-	-	50.1	-31.69
23	.339	25.43	Qp	.5	0	10.1	36.03	59.23	-23.2	-	-
24	.33675	7.57	Ca	.5	0	10.1	18.17	-	-	49.28	-31.11
25	.81375	31.46	Qp	.3	0	10.1	41.86	56	-14.14	-	-
26	.81487	17.12	Ca	.3	0	10.1	27.52	-	-	46	-18.48
27	13.56	44.23	Qp	.2	.2	10.2	54.83	60	-5.17	-	-
28	13.56	40.83	Ca	.2	.2	10.2	51.43	-	-	50	1.43

Qp - Quasi-Peak detector

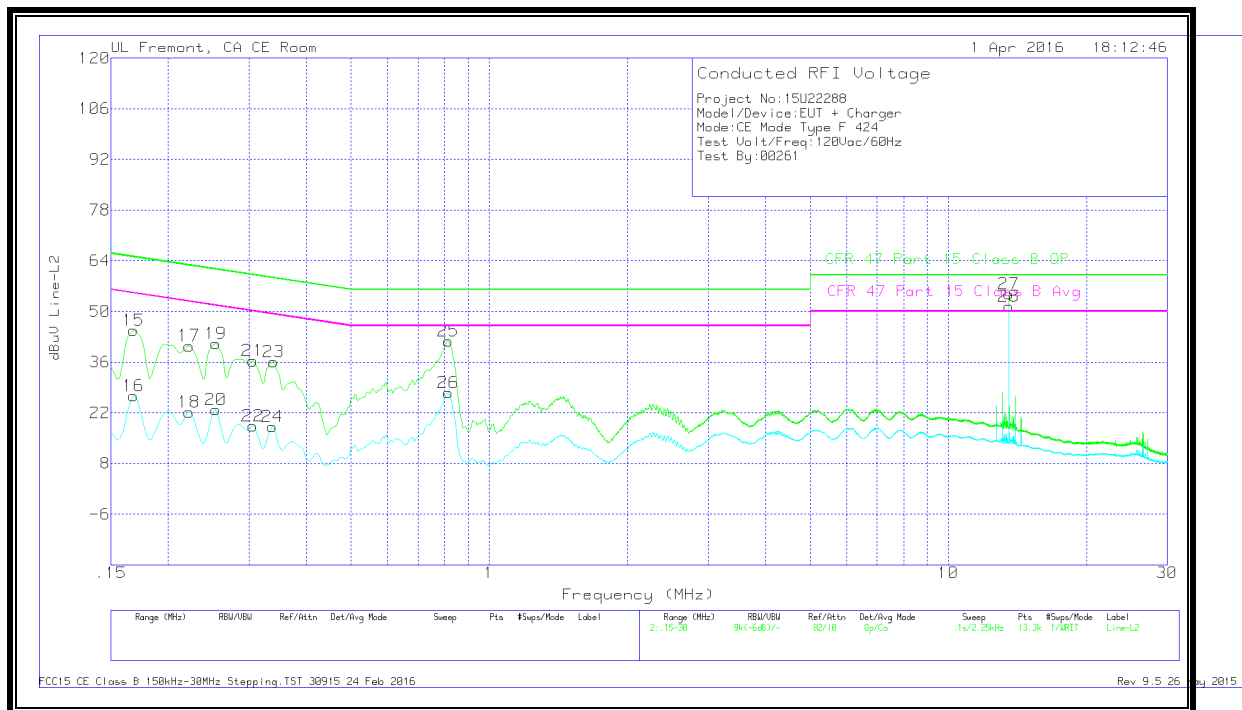
Ca - CISPR average detection

Note: 13.56MHz is a fundamental frequency of the EUT. Data under the following section indicate that when the antenna terminal is terminated the fundamental amplitude is lowering below the limit line.

LINE 1 RESULTS



LINE 2 RESULTS



9.3.2. WITH ANTENNA PORT TERMINATED, 424 KBPS

WORST EMISSIONS

Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1	LC Cables 1&3	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	.16575	32.59	Qp	1.2	0	10.1	43.89	65.17	-21.28	-	-
2	.16575	16.15	Ca	1.2	0	10.1	27.45	-	-	55.17	-27.72
3	.25125	30.09	Qp	.7	0	10.1	40.89	61.72	-20.83	-	-
4	.249	14.82	Ca	.7	0	10.1	25.62	-	-	51.79	-26.17
5	.33	27.32	Qp	.5	0	10.1	37.92	59.45	-21.53	-	-
6	.33225	13.07	Ca	.5	0	10.1	23.67	-	-	49.39	-25.72
7	.41325	21.31	Qp	.4	0	10.1	31.81	57.58	-25.77	-	-
8	.41437	8.32	Ca	.4	0	10.1	18.82	-	-	47.56	-28.74
9	.58875	19.63	Qp	.3	0	10.1	30.03	56	-25.97	-	-
10	.58875	13.96	Ca	.3	0	10.1	24.36	-	-	46	-21.64
11	.77325	28.35	Qp	.3	0	10.1	38.75	56	-17.25	-	-
12	.78	18.9	Ca	.3	0	10.1	29.3	-	-	46	-16.7

Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2	LC Cables 2&3	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	.16575	33.11	Qp	1.3	0	10.1	44.51	65.17	-20.66	-	-
14	.16575	15.57	Ca	1.3	0	10.1	26.97	-	-	55.17	-28.2
15	.24675	30.6	Qp	.7	0	10.1	41.4	61.87	-20.47	-	-
16	.249	12.86	Ca	.7	0	10.1	23.66	-	-	51.79	-28.13
17	.33	27.22	Qp	.5	0	10.1	37.82	59.45	-21.63	-	-
18	.33225	9.69	Ca	.5	0	10.1	20.29	-	-	49.39	-29.1
19	.411	20.53	Qp	.4	0	10.1	31.03	57.63	-26.6	-	-
20	.4155	4.49	Ca	.4	0	10.1	14.99	-	-	47.54	-32.55
21	.58875	20.52	Qp	.3	0	10.1	30.92	56	-25.08	-	-
22	.58875	8.05	Ca	.3	0	10.1	18.45	-	-	46	-27.55
23	.7755	27.68	Qp	.3	0	10.1	38.08	56	-17.92	-	-
24	.78	14.85	Ca	.3	0	10.1	25.25	-	-	46	-20.75

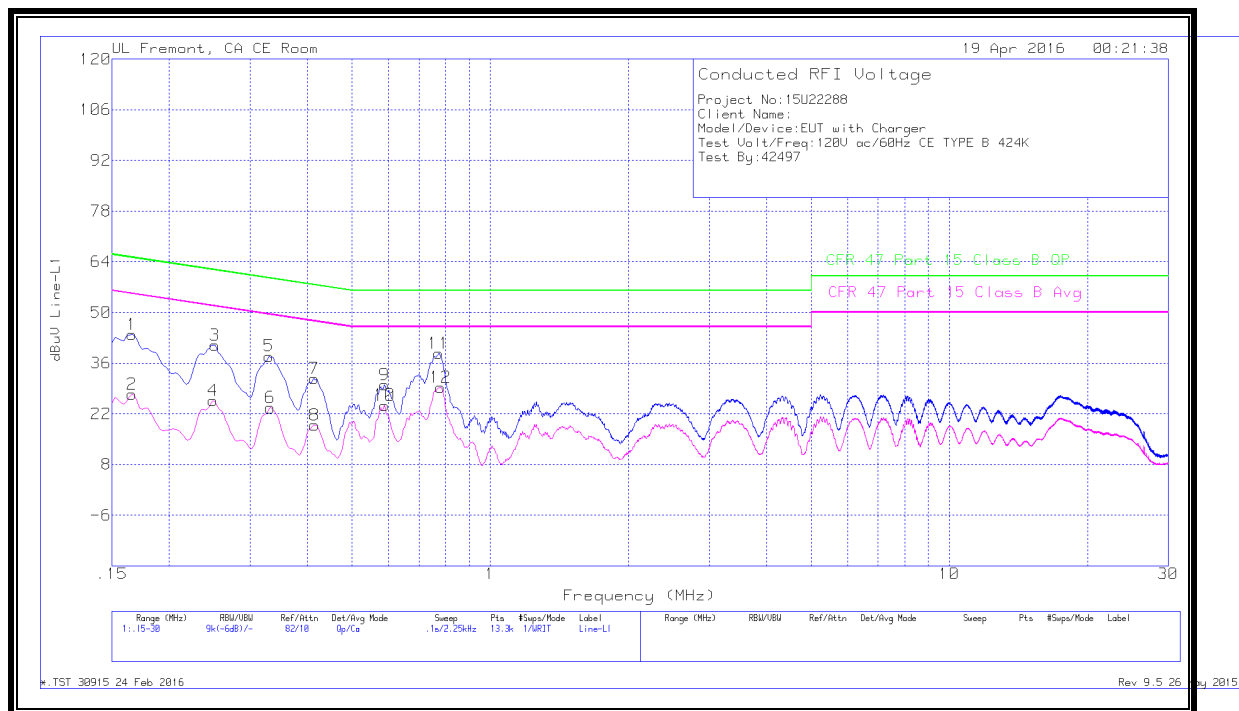
Qp - Quasi-Peak detector

Ca - CISPR average detection

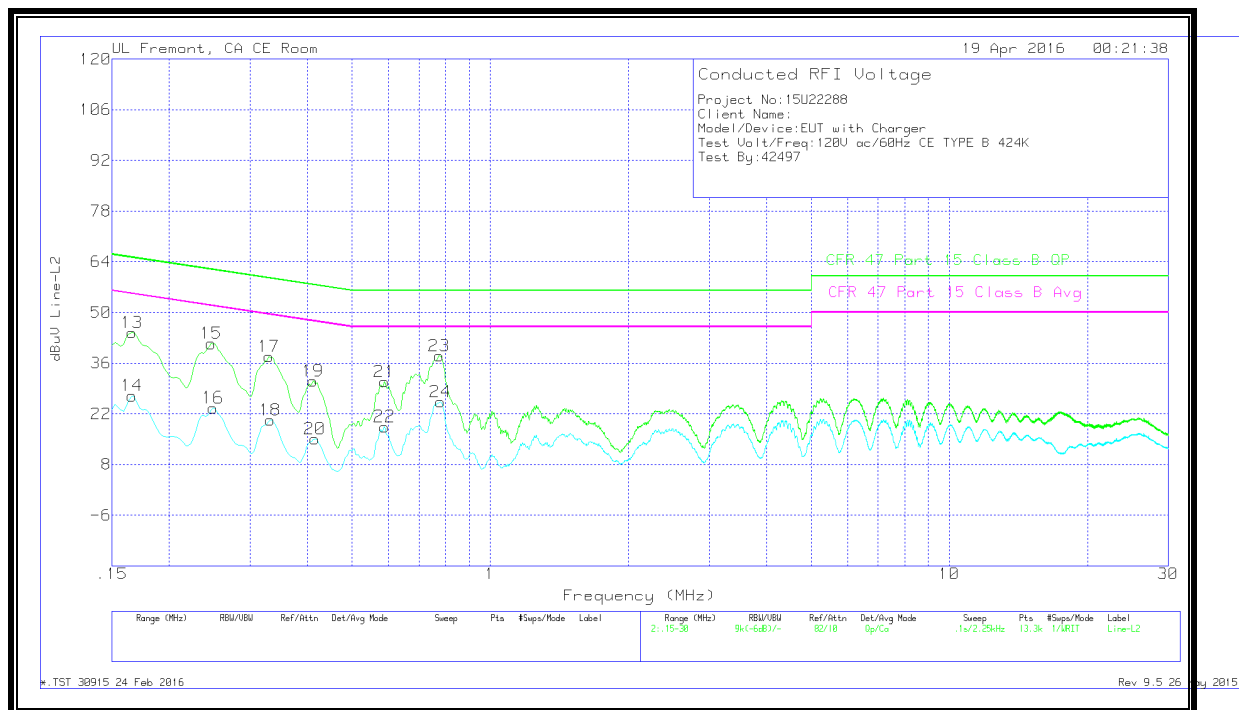
*.TST 30915 24 Feb 2016

Rev 9.5 26 May 2015

LINE 1 RESULTS



LINE 2 RESULTS



9.3.3. NORMAL OPERATION, 212 KBPS

6 WORST EMISSIONS

Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1	LC Cables 1&3	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	.168	32.57	Qp	1.2	0	10.1	43.87	65.06	-21.19	-	-
2	.168	15.69	Ca	1.2	0	10.1	26.99	-	-	55.06	-28.07
3	.19725	31.03	Qp	1	0	10.1	42.13	63.73	-21.6	-	-
4	.1995	14.03	Ca	.9	0	10.1	25.03	-	-	53.63	-28.6
5	.25125	29.65	Qp	.7	0	10.1	40.45	61.72	-21.27	-	-
6	.2535	13.99	Ca	.7	0	10.1	24.79	-	-	51.64	-26.85
7	.28725	25.68	Qp	.6	0	10.1	36.38	60.6	-24.22	-	-
8	.28725	10.46	Ca	.6	0	10.1	21.16	-	-	50.6	-29.44
9	.339	25.59	Qp	.5	0	10.1	36.19	59.23	-23.04	-	-
10	.33675	11.12	Ca	.5	0	10.1	21.72	-	-	49.28	-27.56
11	.80925	31.13	Qp	.3	0	10.1	41.53	56	-14.47	-	-
12	.81262	22.99	Ca	.3	0	10.1	33.39	-	-	46	-12.61
13	13.56	44.6	Qp	.2	.2	10.2	55.2	60	-4.8	-	-
14	13.56	41.43	Ca	.2	.2	10.2	52.03	-	-	50	2.03

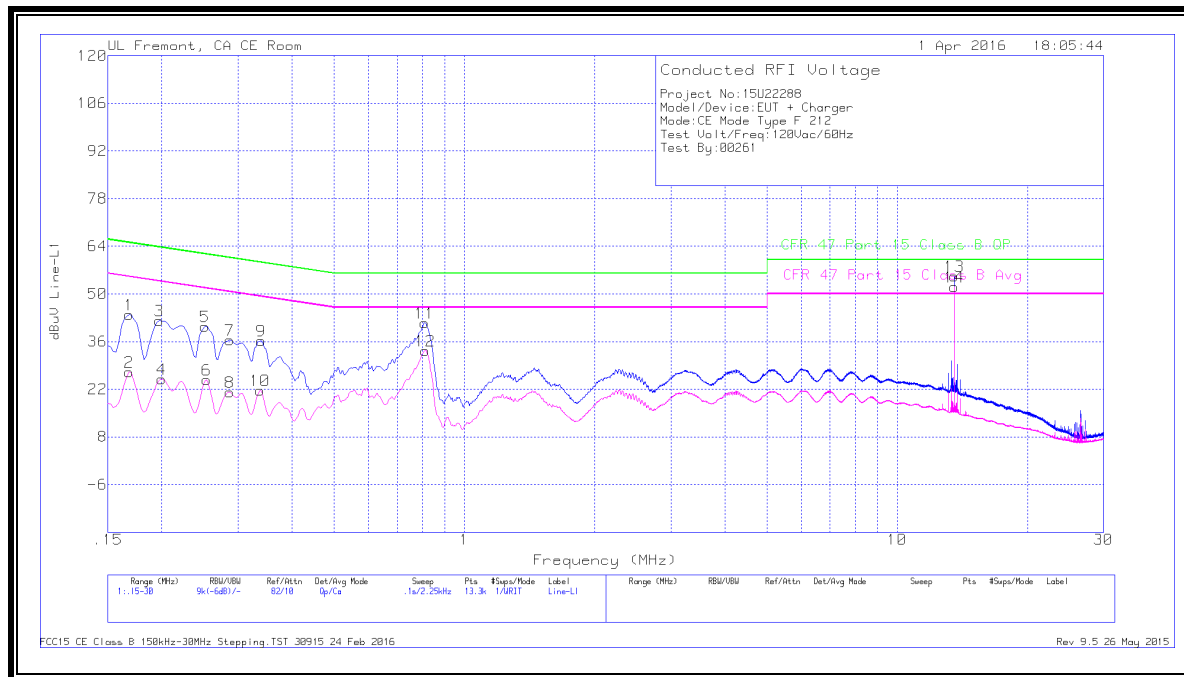
Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2	LC Cables 2&3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
15	.168	33.43	Qp	1.3	0	10.1	44.83	65.06	-20.23	-	-
16	.168	15.47	Ca	1.3	0	10.1	26.87	-	-	55.06	-28.19
17	.222	29.41	Qp	.9	0	10.1	40.41	62.74	-22.33	-	-
18	.222	11.24	Ca	.9	0	10.1	22.24	-	-	52.74	-30.5
19	.2535	30.37	Qp	.7	0	10.1	41.17	61.64	-20.47	-	-
20	.2535	12.26	Ca	.7	0	10.1	23.06	-	-	51.64	-28.58
21	.285	26.42	Qp	.6	0	10.1	37.12	60.67	-23.55	-	-
22	.285	8.32	Ca	.6	0	10.1	19.02	-	-	50.67	-31.65
23	.3345	25.39	Qp	.5	0	10.1	35.99	59.34	-23.35	-	-
24	.33675	7.78	Ca	.5	0	10.1	18.38	-	-	49.28	-30.9
25	.81825	31.58	Qp	.3	0	10.1	41.98	56	-14.02	-	-
26	.816	17.09	Ca	.3	0	10.1	27.49	-	-	46	-18.51
27	13.56	44.22	Qp	.2	.2	10.2	54.82	60	-5.18	-	-
28	13.56	40.81	Ca	.2	.2	10.2	51.41	-	-	50	1.41

Qp - Quasi-Peak detector

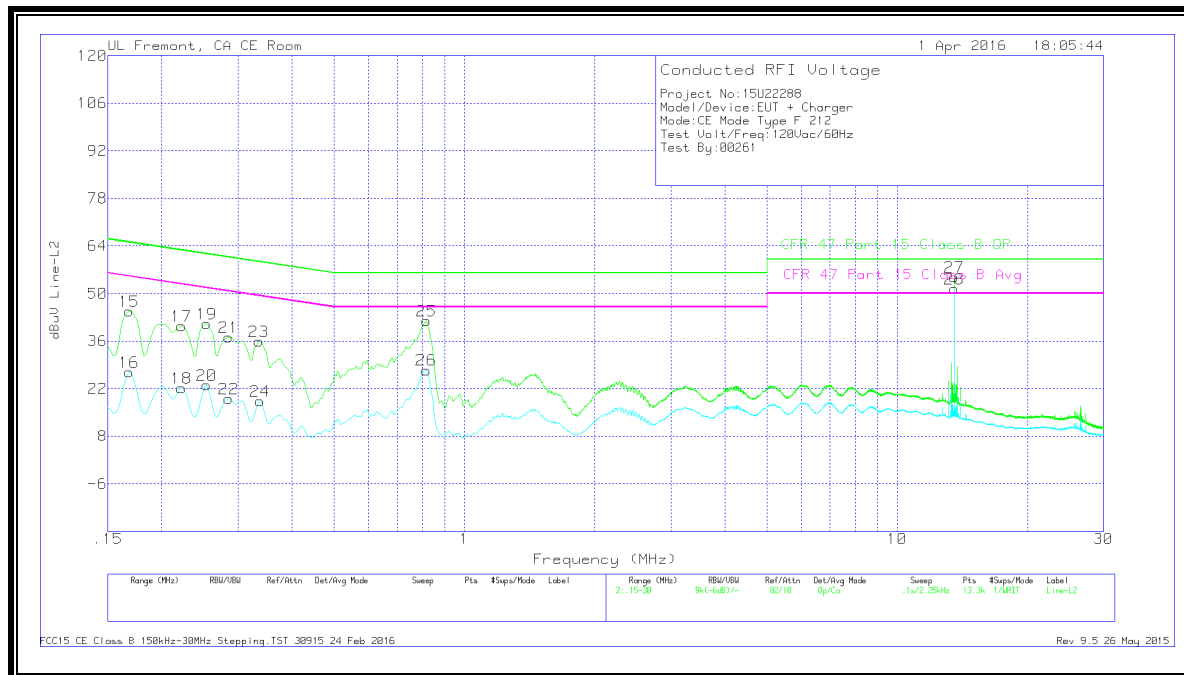
Ca - CISPR average detection

Note: 13.56MHz is a fundamental frequency of the EUT. Data under the following section indicate that when the antenna terminal is terminated the fundamental amplitude is lowering below the limit line.

LINE 1 RESULTS



LINE 2 RESULTS



9.3.4. WITH ANTENNA PORT TERMINATED, 212 KBPS

WORST EMISSIONS

Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1	LC Cables 1&3	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	.16575	32.01	Qp	1.2	0	10.1	43.31	65.17	-21.86	-	-
2	.16575	15.7	Ca	1.2	0	10.1	27	-	-	55.17	-28.17
3	.24675	29.63	Qp	.7	0	10.1	40.43	61.87	-21.44	-	-
4	.249	14.43	Ca	.7	0	10.1	25.23	-	-	51.79	-26.56
5	.33	26.69	Qp	.5	0	10.1	37.29	59.45	-22.16	-	-
6	.33225	12.85	Ca	.5	0	10.1	23.45	-	-	49.39	-25.94
7	.411	21	Qp	.4	0	10.1	31.5	57.63	-26.13	-	-
8	.4155	8.22	Ca	.4	0	10.1	18.72	-	-	47.54	-28.82
9	.5865	19.31	Qp	.3	0	10.1	29.71	56	-26.29	-	-
10	.5865	13.95	Ca	.3	0	10.1	24.35	-	-	46	-21.65
11	.7665	27.24	Qp	.3	0	10.1	37.64	56	-18.36	-	-
12	.7755	18.39	Ca	.3	0	10.1	28.79	-	-	46	-17.21

Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2	LC Cables 2&3	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	.16575	32.55	Qp	1.3	0	10.1	43.95	65.17	-21.22	-	-
14	.16575	15.08	Ca	1.3	0	10.1	26.48	-	-	55.17	-28.69
15	.24675	30.16	Qp	.7	0	10.1	40.96	61.87	-20.91	-	-
16	.249	12.5	Ca	.7	0	10.1	23.3	-	-	51.79	-28.49
17	.33	26.69	Qp	.5	0	10.1	37.29	59.45	-22.16	-	-
18	.33225	9.4	Ca	.5	0	10.1	20	-	-	49.39	-29.39
19	.411	20.19	Qp	.4	0	10.1	30.69	57.63	-26.94	-	-
20	.4155	4.27	Ca	.4	0	10.1	14.77	-	-	47.54	-32.77
21	.5865	20.33	Qp	.3	0	10.1	30.73	56	-25.27	-	-
22	.5865	7.99	Ca	.3	0	10.1	18.39	-	-	46	-27.61
23	.7775	27.1	Qp	.3	0	10.1	37.5	56	-18.5	-	-
24	.78	14.35	Ca	.3	0	10.1	24.75	-	-	46	-21.25

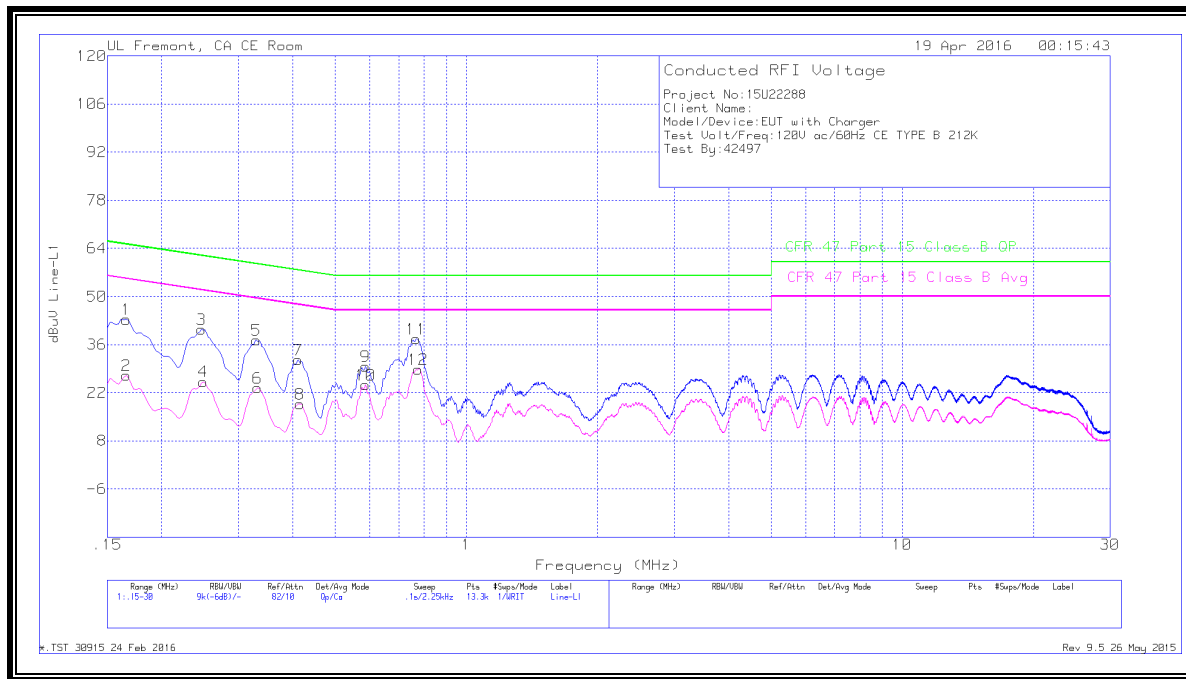
Qp - Quasi-Peak detector

Ca - CISPR average detection

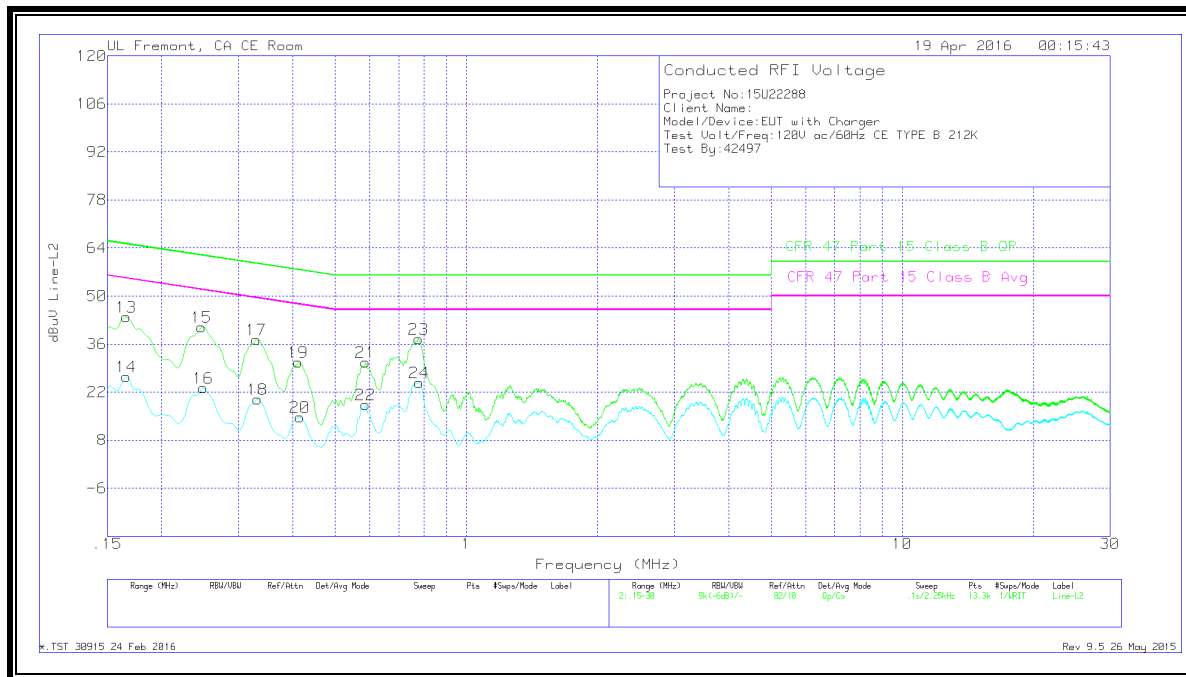
*.TST 30915 24 Feb 2016

Rev 9.5 26 May 2015

LINE 1 RESULTS



LINE 2 RESULTS



9.4. READER MODE TYPE A

9.4.1. NORMAL OPERATION, 848 KBPS

WORST EMISSIONS

Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1	LC Cables 1&3	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	.168	32.62	Qp	1.2	0	10.1	43.92	65.06	-21.14	-	-
2	.168	15.74	Ca	1.2	0	10.1	27.04	-	-	55.06	-28.02
3	.19725	31.01	Qp	1	0	10.1	42.11	63.73	-21.62	-	-
4	.20175	13.87	Ca	.9	0	10.1	24.87	-	-	53.54	-28.67
5	.25125	29.74	Qp	.7	0	10.1	40.54	61.72	-21.18	-	-
6	.2535	14.08	Ca	.7	0	10.1	24.88	-	-	51.64	-26.76
7	.28725	25.55	Qp	.6	0	10.1	36.25	60.6	-24.35	-	-
8	.28725	10.35	Ca	.6	0	10.1	21.05	-	-	50.6	-29.55
9	.339	25.78	Qp	.5	0	10.1	36.38	59.23	-22.85	-	-
10	.33675	11.15	Ca	.5	0	10.1	21.75	-	-	49.28	-27.53
11	.816	31.03	Qp	.3	0	10.1	41.43	56	-14.57	-	-
12	.81487	22.84	Ca	.3	0	10.1	33.24	-	-	46	-12.76
13	13.56	45.6	Qp	.2	.2	10.2	56.2	60	-3.8	-	-
14	13.56	42.49	Ca	.2	.2	10.2	53.09	-	-	50	3.09

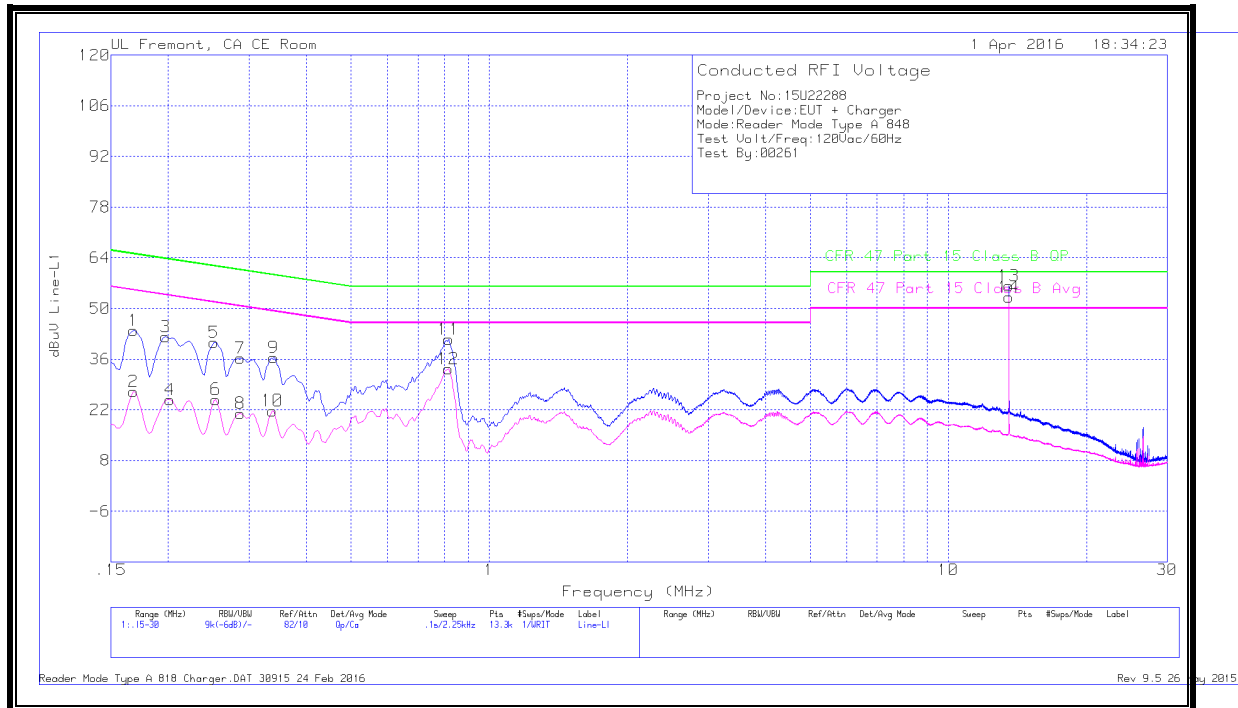
Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2	LC Cables 2&3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
15	.168	33.54	Qp	1.3	0	10.1	44.94	65.06	-20.12	-	-
16	.168	15.66	Ca	1.3	0	10.1	27.06	-	-	55.06	-28
17	.222	29.54	Qp	.9	0	10.1	40.54	62.74	-22.2	-	-
18	.222	11.34	Ca	.9	0	10.1	22.34	-	-	52.74	-30.4
19	.2535	30.46	Qp	.7	0	10.1	41.26	61.64	-20.38	-	-
20	.2535	12.42	Ca	.7	0	10.1	23.22	-	-	51.64	-28.42
21	.30525	25.83	Qp	.6	0	10.1	36.53	60.1	-23.57	-	-
22	.30525	7.97	Ca	.6	0	10.1	18.67	-	-	50.1	-31.43
23	.339	25.55	Qp	.5	0	10.1	36.15	59.23	-23.08	-	-
24	.33675	7.97	Ca	.5	0	10.1	18.57	-	-	49.28	-30.71
25	.816	31.93	Qp	.3	0	10.1	42.33	56	-13.67	-	-
26	.81375	17.27	Ca	.3	0	10.1	27.67	-	-	46	-18.33
27	13.56	45.22	Qp	.2	.2	10.2	55.82	60	-4.18	-	-
28	13.56	41.96	Ca	.2	.2	10.2	52.56	-	-	50	2.56

Qp - Quasi-Peak detector

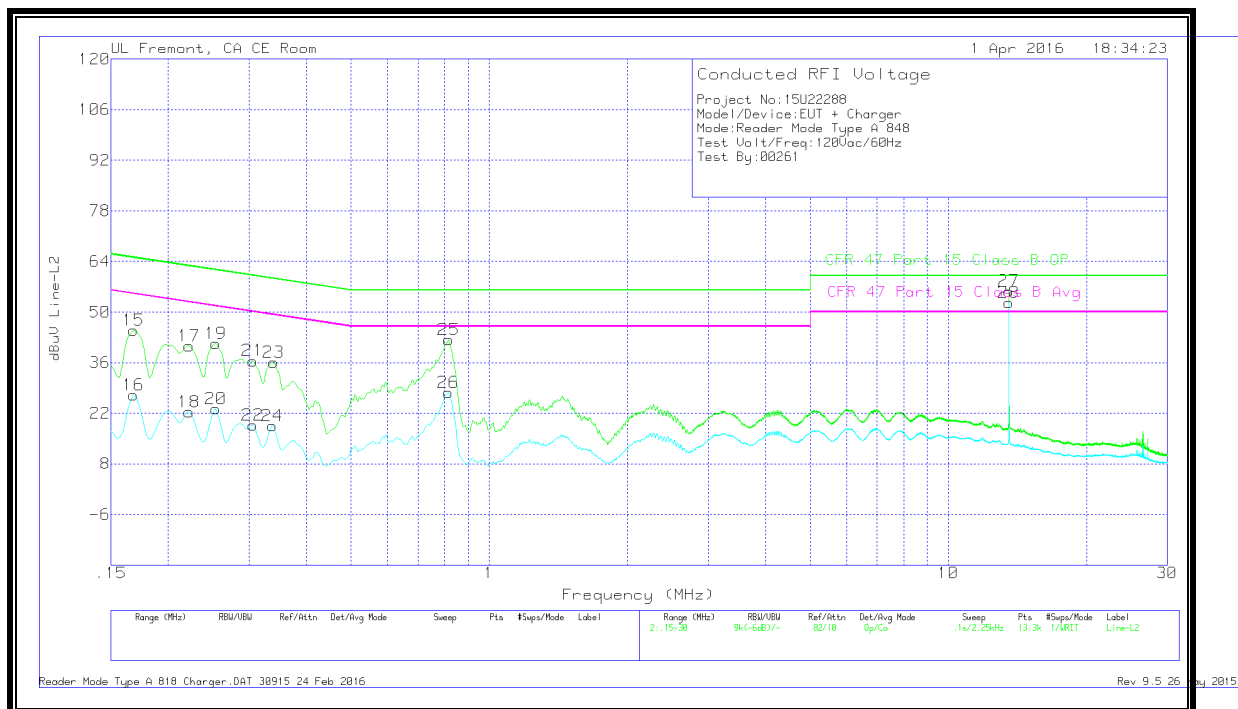
Ca - CISPR average detection

Note: 13.56MHz is a fundamental frequency of the EUT. Data under the following section indicate that when the antenna terminal is terminated the fundamental amplitude is lowering below the limit line.

LINE 1 RESULTS



LINE 2 RESULTS



9.4.2. WITH ANTENNA PORT TERMINATED, 848 KBPS

WORST EMISSIONS

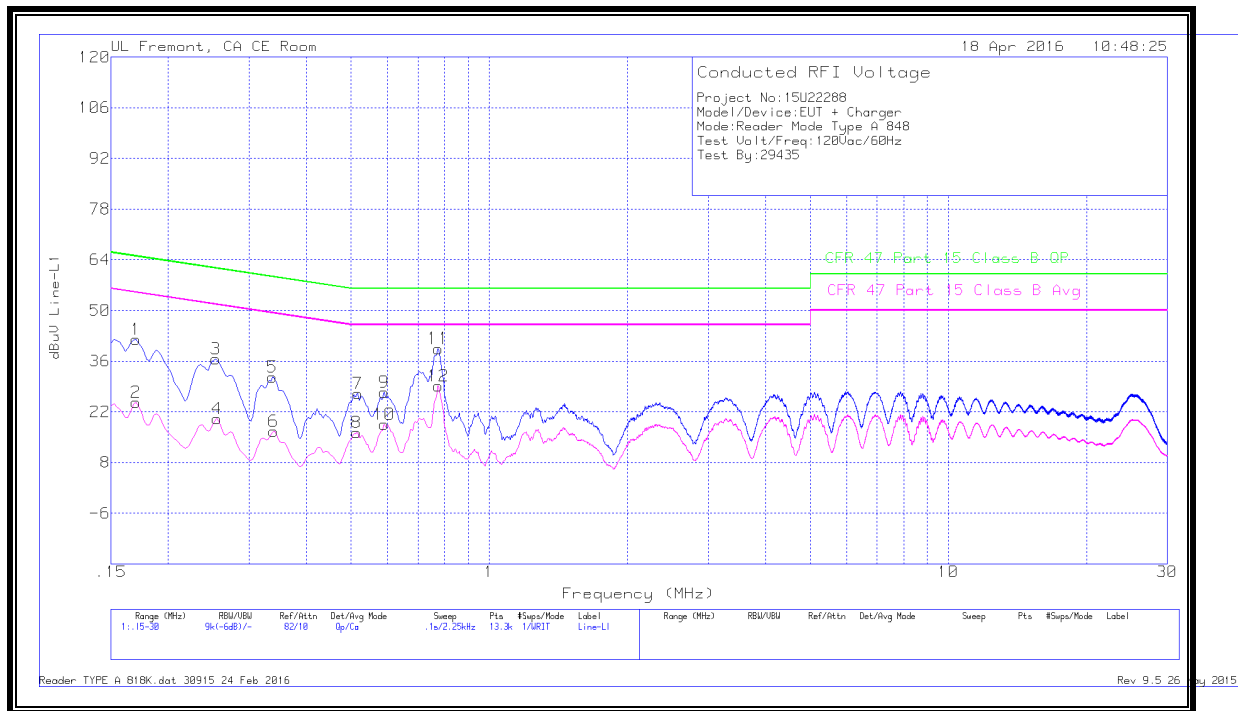
Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1	LC Cables 1&3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
1	.17025	30.66	Qp	1.2	0	10.1	41.96	64.95	-22.99	-	-
2	.17025	13.33	Ca	1.2	0	10.1	24.63	-	-	54.95	-30.32
3	.2535	25.88	Qp	.7	0	10.1	36.68	61.64	-24.96	-	-
4	.25575	9.32	Ca	.7	0	10.1	20.12	-	-	51.57	-31.45
5	.33675	20.98	Qp	.5	0	10.1	31.58	59.28	-27.7	-	-
6	.339	6.03	Ca	.5	0	10.1	16.63	-	-	49.23	-32.6
7	.51675	16.59	Qp	.3	0	10.1	26.99	56	-29.01	-	-
8	.5145	5.83	Ca	.3	0	10.1	16.23	-	-	46	-29.77
9	.591	17.03	Qp	.3	0	10.1	27.43	56	-28.57	-	-
10	.591	8.2	Ca	.3	0	10.1	18.6	-	-	46	-27.4
11	.77437	29.08	Qp	.3	0	10.1	39.48	56	-16.52	-	-
12	.7755	18.76	Ca	.3	0	10.1	29.16	-	-	46	-16.84

Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2	LC Cables 2&3	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	.17025	31.15	Qp	1.2	0	10.1	42.45	64.95	-22.5	-	-
14	.17025	13.68	Ca	1.2	0	10.1	24.98	-	-	54.95	-29.97
15	.2535	26.2	Qp	.7	0	10.1	37	61.64	-24.64	-	-
16	.2535	9.78	Ca	.7	0	10.1	20.58	-	-	51.64	-31.06
17	.33675	20.78	Qp	.5	0	10.1	31.38	59.28	-27.9	-	-
18	.339	5.97	Ca	.5	0	10.1	16.57	-	-	49.23	-32.66
19	.5145	15.15	Qp	.4	0	10.1	25.65	56	-30.35	-	-
20	.5145	6.15	Ca	.4	0	10.1	16.65	-	-	46	-29.35
21	.58875	16.47	Qp	.3	0	10.1	26.87	56	-29.13	-	-
22	.591	8.83	Ca	.3	0	10.1	19.23	-	-	46	-26.77
23	.77325	28.72	Qp	.3	0	10.1	39.12	56	-16.88	-	-
24	.77325	20.13	Ca	.3	0	10.1	30.53	-	-	46	-15.47

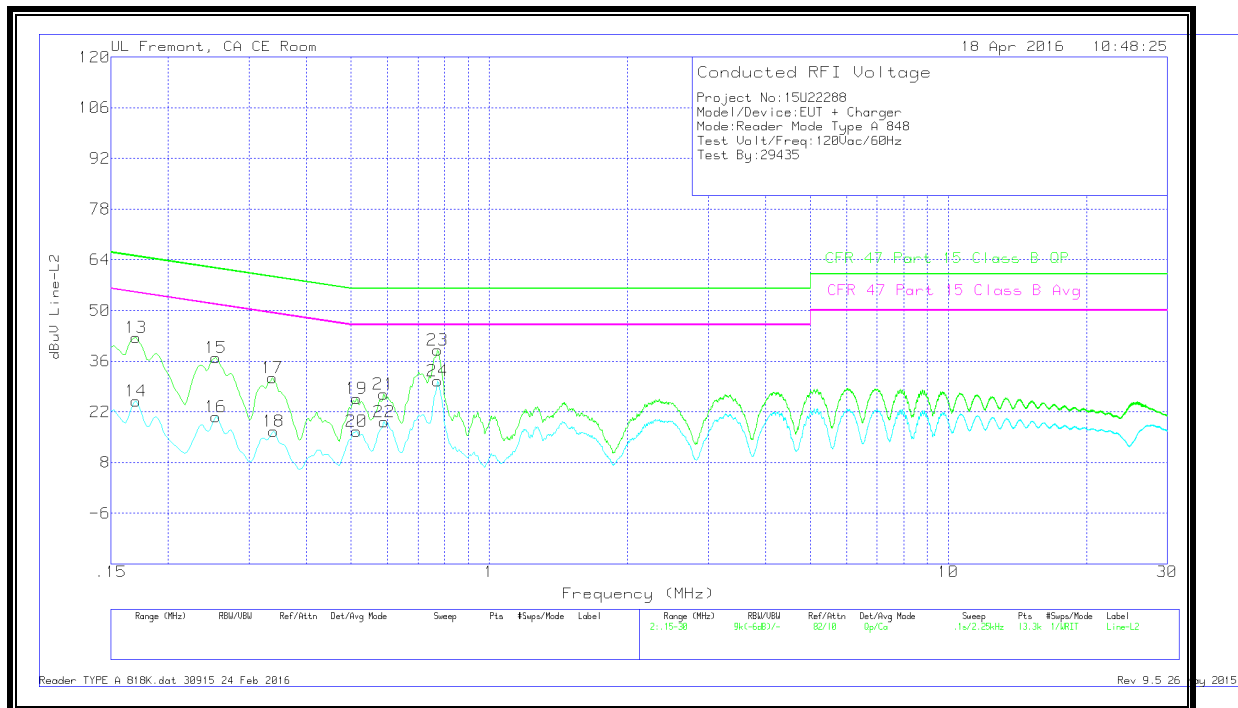
Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 1 RESULTS



LINE 2 RESULTS



9.4.3. NORMAL OPERATION, 424 KBPS

WORST EMISSIONS

Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1	LC Cables 1&3	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	.168	32.58	Qp	1.2	0	10.1	43.88	65.06	-21.18	-	-
2	.168	15.72	Ca	1.2	0	10.1	27.02	-	-	55.06	-28.04
3	.19725	31.24	Qp	1	0	10.1	42.34	63.73	-21.39	-	-
4	.1995	14.1	Ca	.9	0	10.1	25.1	-	-	53.63	-28.53
5	.25125	29.63	Qp	.7	0	10.1	40.43	61.72	-21.29	-	-
6	.2535	14	Ca	.7	0	10.1	24.8	-	-	51.64	-26.84
7	.28725	25.75	Qp	.6	0	10.1	36.45	60.6	-24.15	-	-
8	.28725	10.41	Ca	.6	0	10.1	21.11	-	-	50.6	-29.49
9	.339	25.48	Qp	.5	0	10.1	36.08	59.23	-23.15	-	-
10	.33675	10.98	Ca	.5	0	10.1	21.58	-	-	49.28	-27.7
11	.816	30.93	Qp	.3	0	10.1	41.33	56	-14.67	-	-
12	.81375	22.97	Ca	.3	0	10.1	33.37	-	-	46	-12.63
13	13.56	45.31	Qp	.2	.2	10.2	55.91	60	-4.09	-	-
14	13.56	42.21	Ca	.2	.2	10.2	52.81	-	-	50	2.81

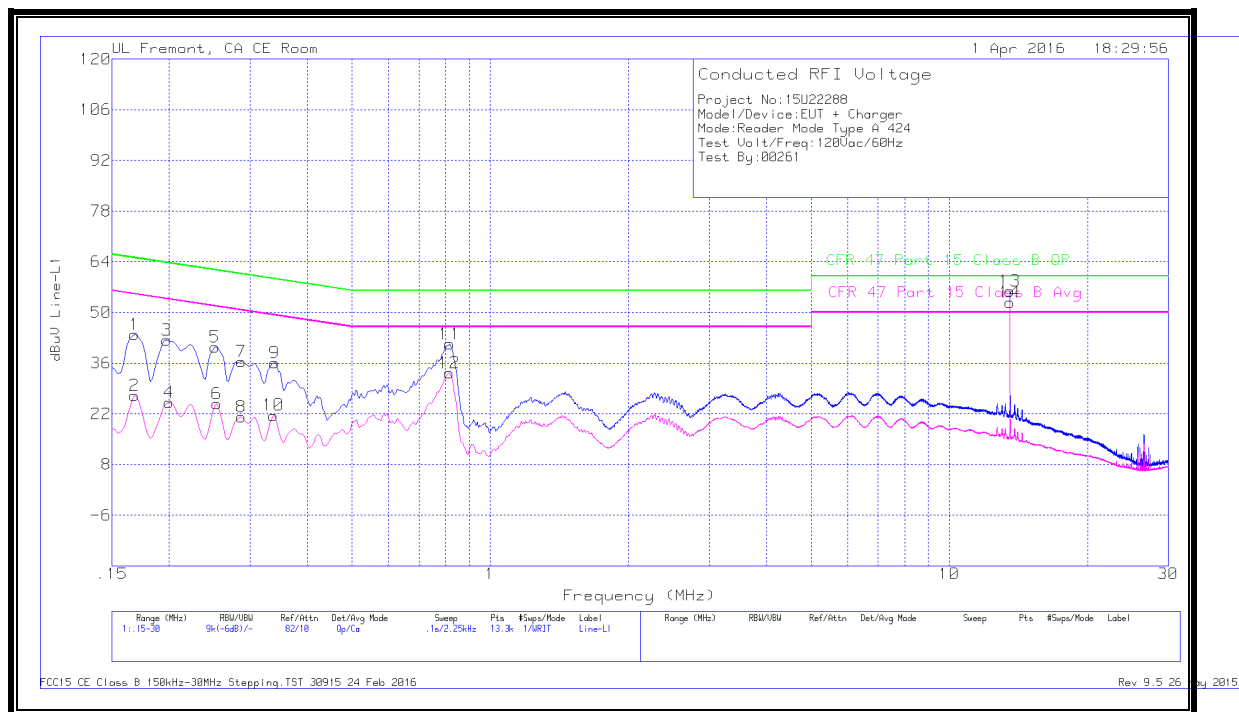
Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2	LC Cables 2&3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
15	.168	33.44	Qp	1.3	0	10.1	44.84	65.06	-20.22	-	-
16	.168	15.42	Ca	1.3	0	10.1	26.82	-	-	55.06	-28.24
17	.222	29.45	Qp	.9	0	10.1	40.45	62.74	-22.29	-	-
18	.222	11.28	Ca	.9	0	10.1	22.28	-	-	52.74	-30.46
19	.2535	30.28	Qp	.7	0	10.1	41.08	61.64	-20.56	-	-
20	.2535	12.18	Ca	.7	0	10.1	22.98	-	-	51.64	-28.66
21	.285	26.56	Qp	.6	0	10.1	37.26	60.67	-23.41	-	-
22	.285	8.48	Ca	.6	0	10.1	19.18	-	-	50.67	-31.49
23	.3345	25.31	Qp	.5	0	10.1	35.91	59.34	-23.43	-	-
24	.33675	7.53	Ca	.5	0	10.1	18.13	-	-	49.28	-31.15
25	.816	31.43	Qp	.3	0	10.1	41.83	56	-14.17	-	-
26	.816	17.13	Ca	.3	0	10.1	27.53	-	-	46	-18.47
27	13.56	44.92	Qp	.2	.2	10.2	55.52	60	-4.48	-	-
28	13.56	41.62	Ca	.2	.2	10.2	52.22	-	-	50	2.22

Qp - Quasi-Peak detector

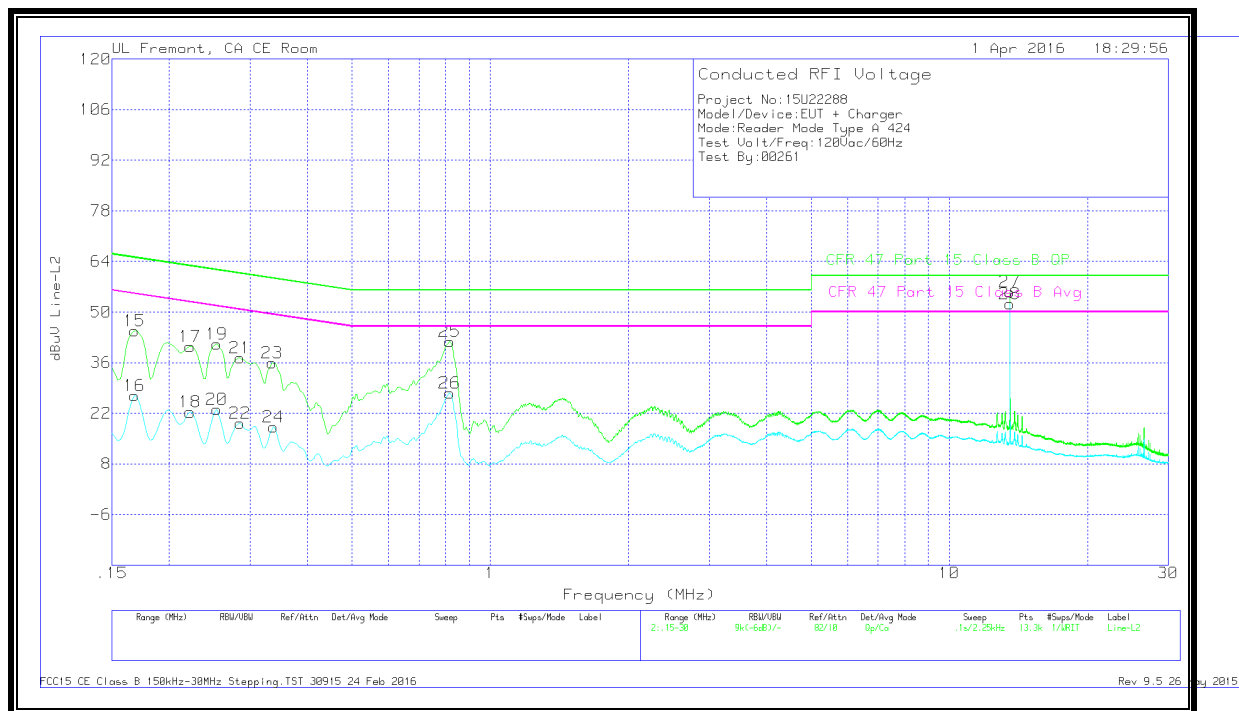
Ca - CISPR average detection

Note: 13.56MHz is a fundamental frequency of the EUT. Data under the following section indicate that when the antenna terminal is terminated the fundamental amplitude is lowering below the limit line.

LINE 1 RESULTS



LINE 2 RESULTS



9.4.4. WITH ANTENNA PORT TERMINATED, 424 KBPS

WORST EMISSIONS

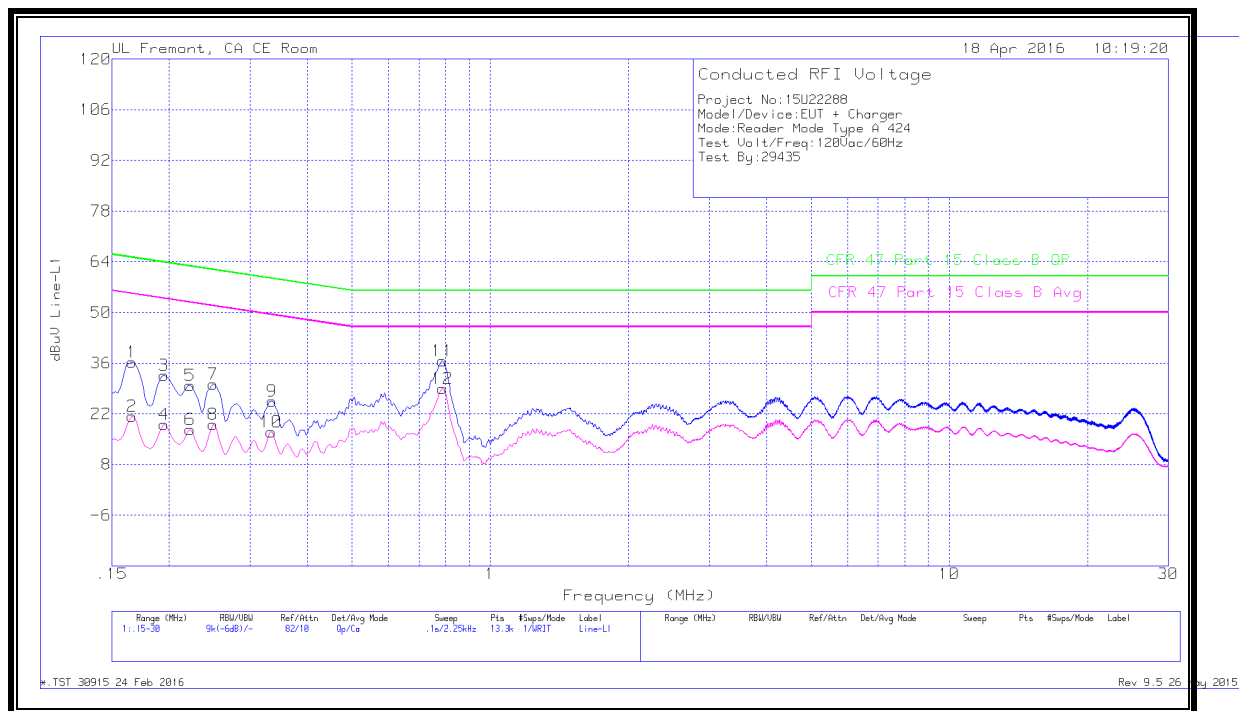
Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1	LC Cables 1&3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
1	.16575	24.97	Qp	1.2	0	10.1	36.27	65.17	-28.9	-	-
2	.16575	9.98	Ca	1.2	0	10.1	21.28	-	-	55.17	-33.89
3	.195	21.53	Qp	1	0	10.1	32.63	63.82	-31.19	-	-
4	.195	8.03	Ca	1	0	10.1	19.13	-	-	53.82	-34.69
5	.222	19.01	Qp	.8	0	10.1	29.91	62.74	-32.83	-	-
6	.222	6.69	Ca	.8	0	10.1	17.59	-	-	52.74	-35.15
7	.249	19.31	Qp	.7	0	10.1	30.11	61.79	-31.68	-	-
8	.249	8.21	Ca	.7	0	10.1	19.01	-	-	51.79	-32.78
9	.3345	14.81	Qp	.5	0	10.1	25.41	59.34	-33.93	-	-
10	.33337	6.39	Ca	.5	0	10.1	16.99	-	-	49.37	-32.38
11	.78675	26.26	Qp	.3	0	10.1	36.66	56	-19.34	-	-
12	.78675	18.52	Ca	.3	0	10.1	28.92	-	-	46	-17.08

Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2	LC Cables 2&3	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	.16575	25.73	Qp	1.3	0	10.1	37.13	65.17	-28.04	-	-
14	.16575	7.39	Ca	1.3	0	10.1	18.79	-	-	55.17	-36.38
15	.195	19.67	Qp	1	0	10.1	30.77	63.82	-33.05	-	-
16	.195	3	Ca	1	0	10.1	14.1	-	-	53.82	-39.72
17	.21975	18	Qp	.9	0	10.1	29	62.83	-33.83	-	-
18	.222	1.36	Ca	.9	0	10.1	12.36	-	-	52.74	-40.38
19	.249	20.49	Qp	.7	0	10.1	31.29	61.79	-30.5	-	-
20	.249	3.35	Ca	.7	0	10.1	14.15	-	-	51.79	-37.64
21	.3345	16.53	Qp	.5	0	10.1	27.13	59.34	-32.21	-	-
22	.33225	.47	Ca	.5	0	10.1	11.07	-	-	49.39	-38.32
23	.7845	25.36	Qp	.3	0	10.1	35.76	56	-20.24	-	-
24	.7845	14.59	Ca	.3	0	10.1	24.99	-	-	46	-21.01

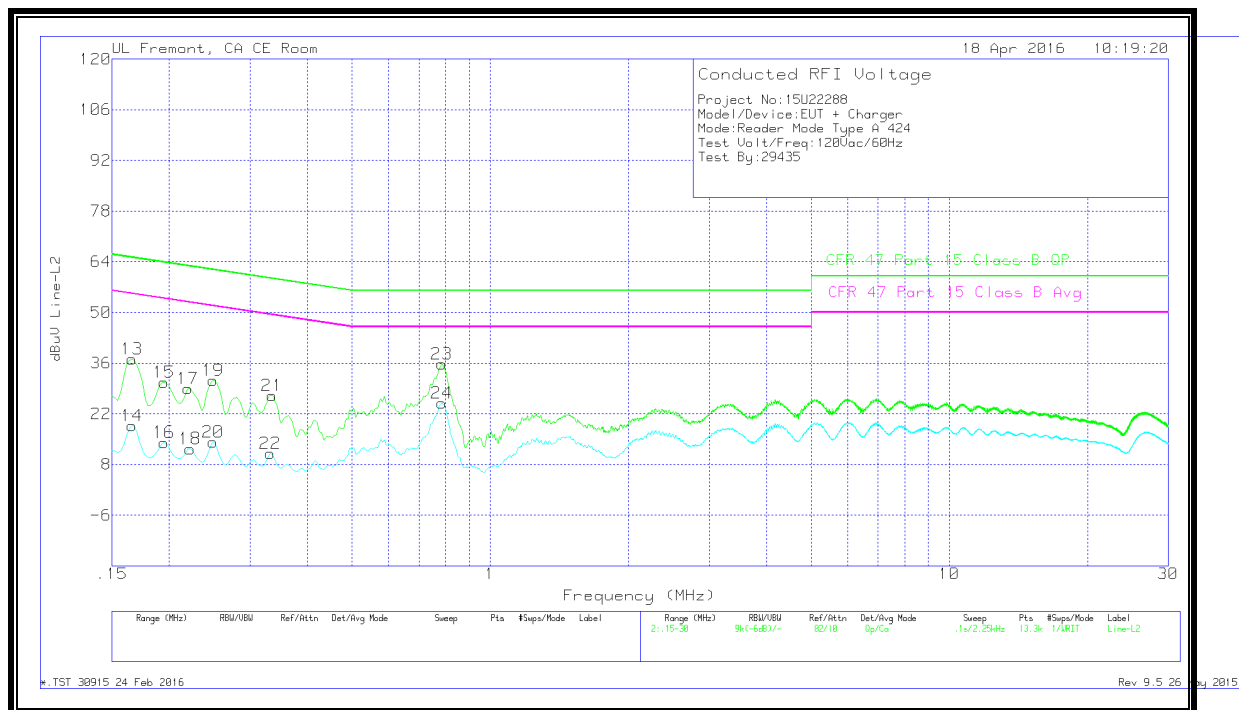
Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 1 RESULTS



LINE 2 RESULTS



9.4.5. NORMAL OPERATION, 212 KBPS

WORST EMISSIONS

Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1	LC Cables 1&3	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	.168	32.71	Qp	1.2	0	10.1	44.01	65.06	-21.05	-	-
2	.168	15.84	Ca	1.2	0	10.1	27.14	-	-	55.06	-27.92
3	.1995	31.31	Qp	.9	0	10.1	42.31	63.63	-21.32	-	-
4	.1995	14.24	Ca	.9	0	10.1	25.24	-	-	53.63	-28.39
5	.25125	29.86	Qp	.7	0	10.1	40.66	61.72	-21.06	-	-
6	.2535	14.06	Ca	.7	0	10.1	24.86	-	-	51.64	-26.78
7	.285	26	Qp	.6	0	10.1	36.7	60.67	-23.97	-	-
8	.28725	10.48	Ca	.6	0	10.1	21.18	-	-	50.6	-29.42
9	.3345	25.76	Qp	.5	0	10.1	36.36	59.34	-22.98	-	-
10	.33675	11	Ca	.5	0	10.1	21.6	-	-	49.28	-27.68
11	.816	30.84	Qp	.3	0	10.1	41.24	56	-14.76	-	-
12	.8115	22.77	Ca	.3	0	10.1	33.17	-	-	46	-12.83
13	13.56	44.79	Qp	.2	.2	10.2	55.39	60	-4.61	-	-
14	13.56	41.65	Ca	.2	.2	10.2	52.25	-	-	50	2.25

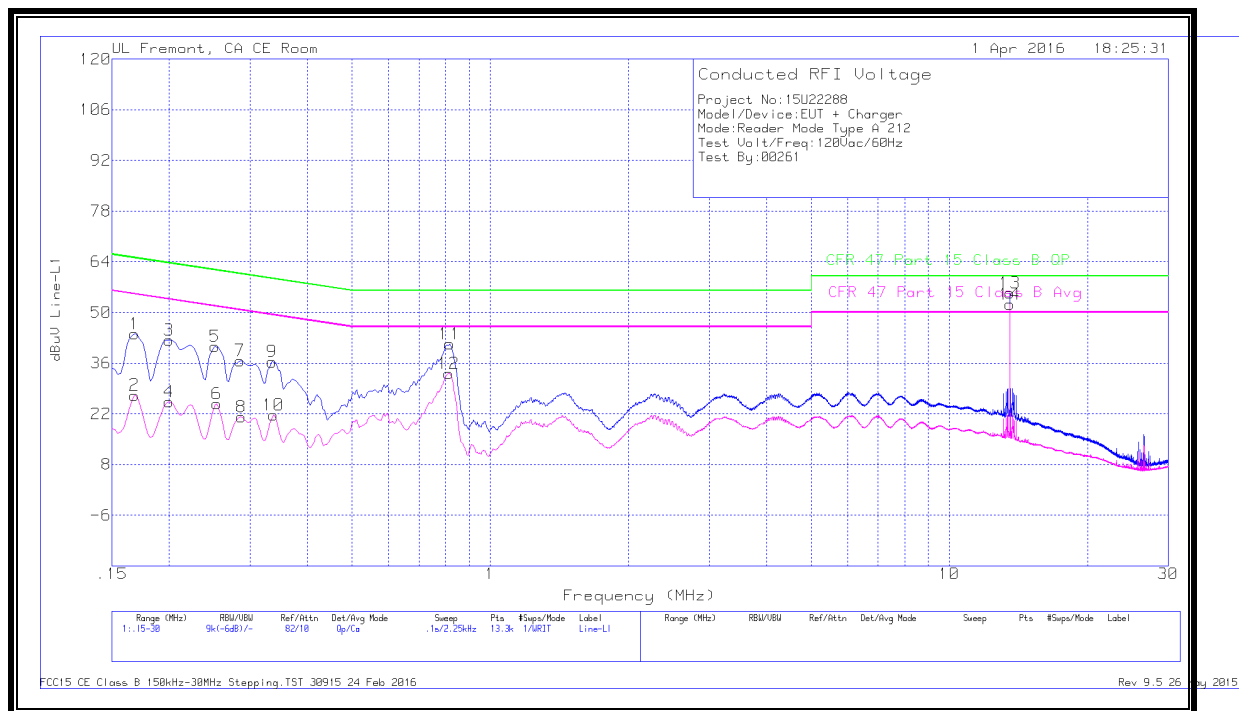
Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2	LC Cables 2&3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
15	.168	33.52	Qp	1.3	0	10.1	44.92	65.06	-20.14	-	-
16	.168	15.21	Ca	1.3	0	10.1	26.61	-	-	55.06	-28.45
17	.222	29.47	Qp	.9	0	10.1	40.47	62.74	-22.27	-	-
18	.222	10.98	Ca	.9	0	10.1	21.98	-	-	52.74	-30.76
19	.2535	30.38	Qp	.7	0	10.1	41.18	61.64	-20.46	-	-
20	.2535	12	Ca	.7	0	10.1	22.8	-	-	51.64	-28.84
21	.28725	26.54	Qp	.6	0	10.1	37.24	60.6	-23.36	-	-
22	.285	8.3	Ca	.6	0	10.1	19	-	-	50.67	-31.67
23	.3345	25.36	Qp	.5	0	10.1	35.96	59.34	-23.38	-	-
24	.33675	7.44	Ca	.5	0	10.1	18.04	-	-	49.28	-31.24
25	.81825	31.51	Qp	.3	0	10.1	41.91	56	-14.09	-	-
26	.81375	16.98	Ca	.3	0	10.1	27.38	-	-	46	-18.62
27	13.56	44.38	Qp	.2	.2	10.2	54.98	60	-5.02	-	-
28	13.56	41.04	Ca	.2	.2	10.2	51.64	-	-	50	1.64

Qp - Quasi-Peak detector

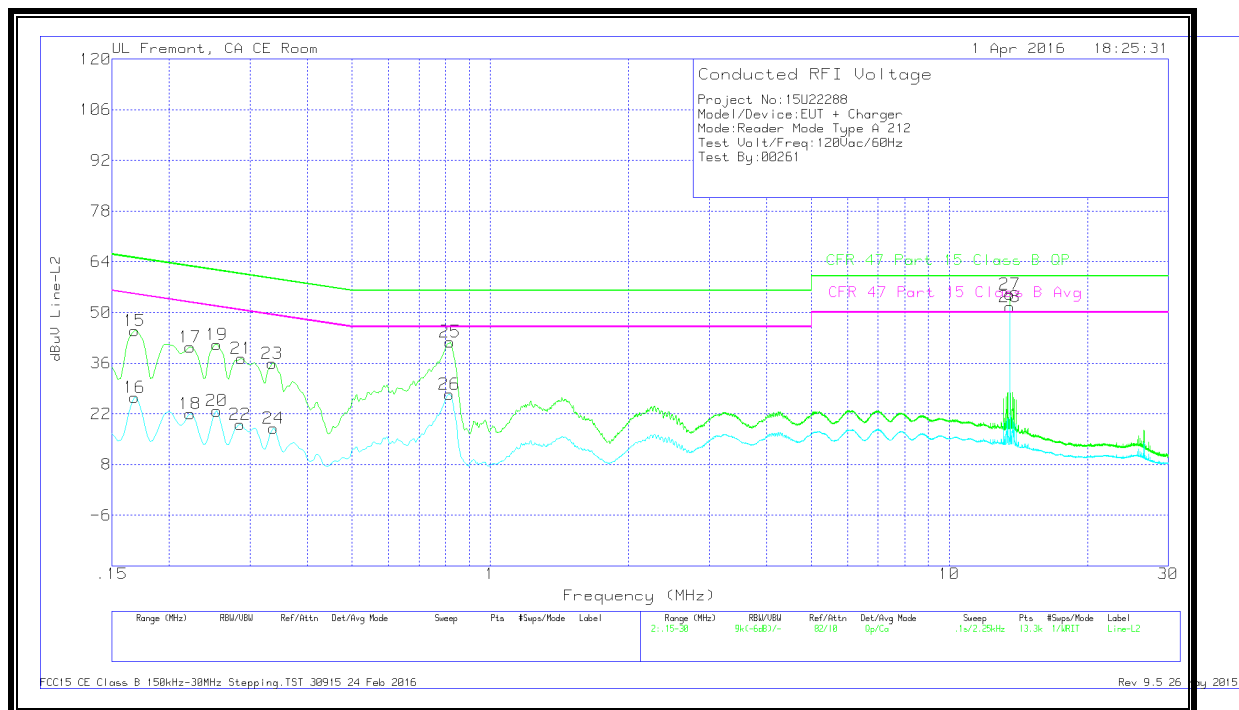
Ca - CISPR average detection

Note: 13.56MHz is a fundamental frequency of the EUT. Data under the following section indicate that when the antenna terminal is terminated the fundamental amplitude is lowering below the limit line.

LINE 1 RESULTS



LINE 2 RESULTS



9.4.6. WITH ANTENNA PORT TERMINATED, 212 KBPS

WORST EMISSIONS

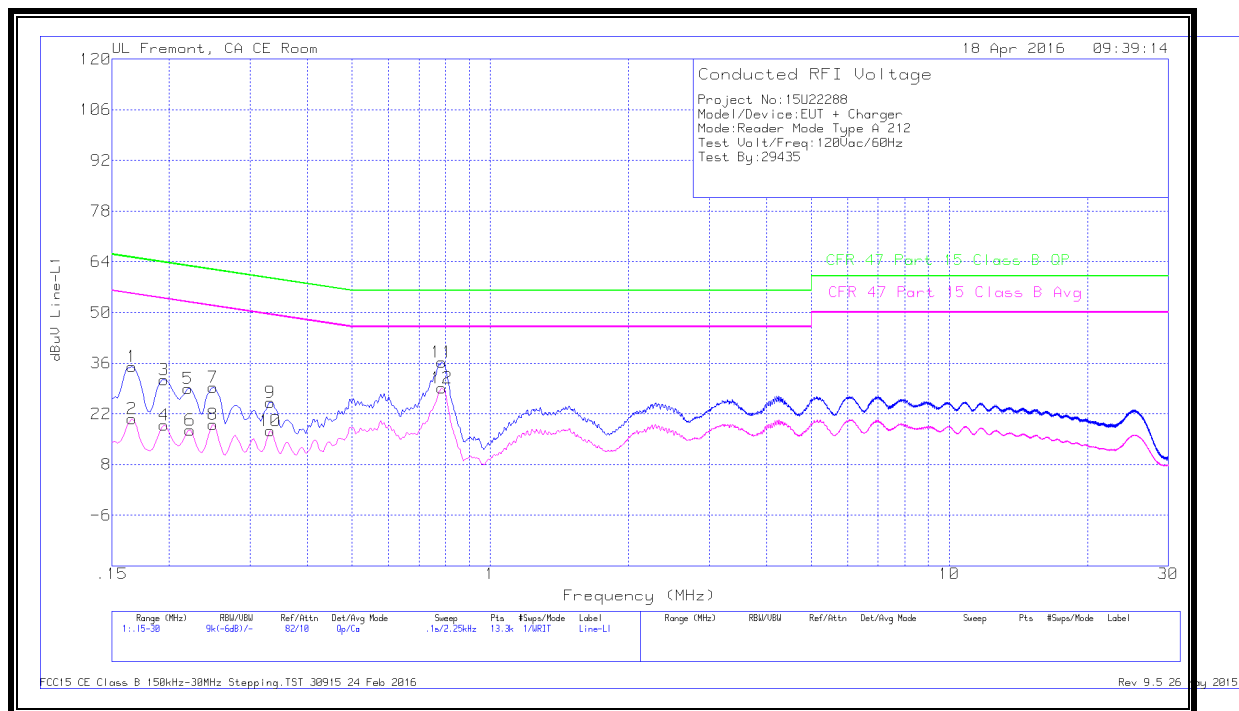
Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1	LC Cables 1&3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
1	.16575	23.71	Qp	1.2	0	10.1	35.01	65.17	-30.16	-	-
2	.16575	9.27	Ca	1.2	0	10.1	20.57	-	-	55.17	-34.6
3	.195	20.37	Qp	1	0	10.1	31.47	63.82	-32.35	-	-
4	.195	7.79	Ca	1	0	10.1	18.89	-	-	53.82	-34.93
5	.21975	18.06	Qp	.8	0	10.1	28.96	62.83	-33.87	-	-
6	.222	6.67	Ca	.8	0	10.1	17.57	-	-	52.74	-35.17
7	.249	18.59	Qp	.7	0	10.1	29.39	61.79	-32.4	-	-
8	.249	8.26	Ca	.7	0	10.1	19.06	-	-	51.79	-32.73
9	.33225	14.58	Qp	.5	0	10.1	25.18	59.39	-34.21	-	-
10	.33225	6.65	Ca	.5	0	10.1	17.25	-	-	49.39	-32.14
11	.7845	25.84	Qp	.3	0	10.1	36.24	56	-19.76	-	-
12	.7845	18.7	Ca	.3	0	10.1	29.1	-	-	46	-16.9

Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2	LC Cables 2&3	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	.16575	24.55	Qp	1.3	0	10.1	35.95	65.17	-29.22	-	-
14	.16575	6.97	Ca	1.3	0	10.1	18.37	-	-	55.17	-36.8
15	.195	20.16	Qp	1	0	10.1	31.26	63.82	-32.56	-	-
16	.195	3.52	Ca	1	0	10.1	14.62	-	-	53.82	-39.2
17	.222	18.77	Qp	.9	0	10.1	29.77	62.74	-32.97	-	-
18	.222	2.02	Ca	.9	0	10.1	13.02	-	-	52.74	-39.72
19	.249	20.69	Qp	.7	0	10.1	31.49	61.79	-30.3	-	-
20	.249	3.4	Ca	.7	0	10.1	14.2	-	-	51.79	-37.59
21	.33	16.79	Qp	.5	0	10.1	27.39	59.45	-32.06	-	-
22	.33225	.59	Ca	.5	0	10.1	11.19	-	-	49.39	-38.2
23	.78675	25.88	Qp	.3	0	10.1	36.28	56	-19.72	-	-
24	.7845	15.38	Ca	.3	0	10.1	25.78	-	-	46	-20.22

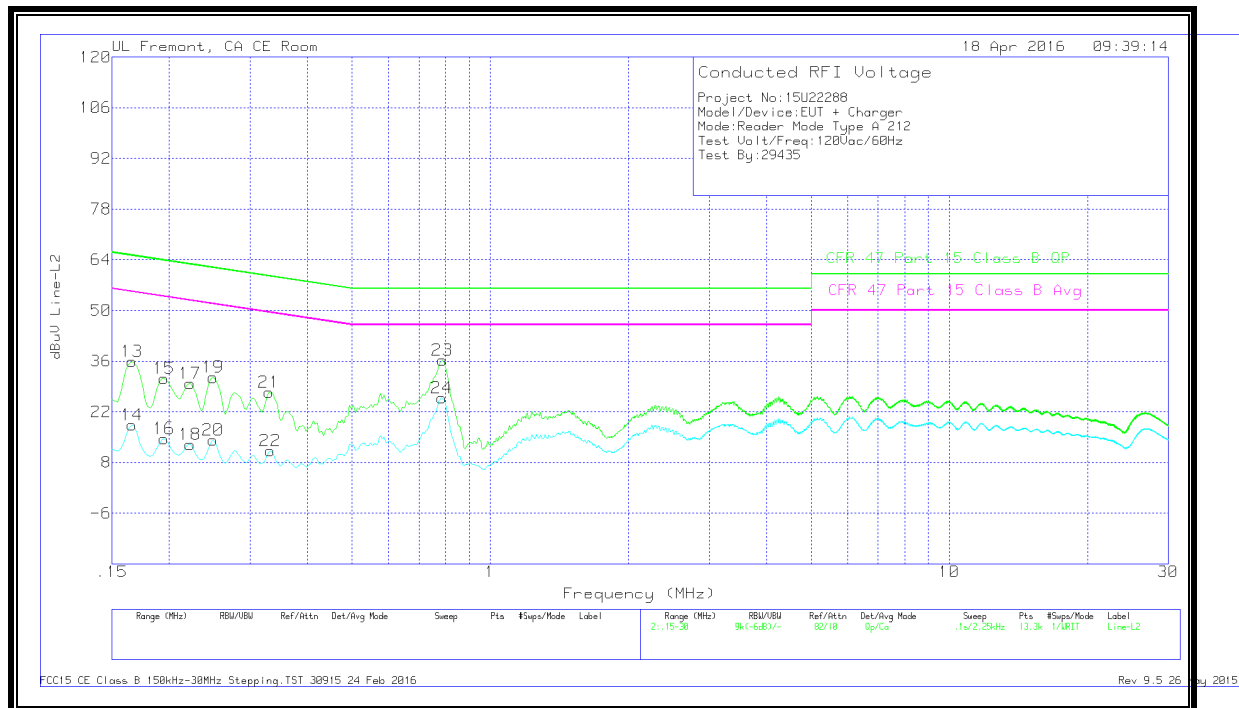
Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 1 RESULTS



LINE 2 RESULTS



9.4.7. NORMAL OPERATION, 106 KBPS

WORST EMISSIONS

Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1	LC Cables 1&3	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	.17025	32.9	Qp	1.2	0	10.1	44.2	64.95	-20.75	-	-
2	.168	15.7	Ca	1.2	0	10.1	27	-	-	55.06	-28.06
3	.19725	31.65	Qp	1	0	10.1	42.75	63.73	-20.98	-	-
4	.1995	14.26	Ca	.9	0	10.1	25.26	-	-	53.63	-28.37
5	.2535	29.91	Qp	.7	0	10.1	40.71	61.64	-20.93	-	-
6	.2535	13.97	Ca	.7	0	10.1	24.77	-	-	51.64	-26.87
7	.285	26.16	Qp	.6	0	10.1	36.86	60.67	-23.81	-	-
8	.285	10.39	Ca	.6	0	10.1	21.09	-	-	50.67	-29.58
9	.34125	25.77	Qp	.5	0	10.1	36.37	59.17	-22.8	-	-
10	.339	10.92	Ca	.5	0	10.1	21.52	-	-	49.23	-27.71
11	.81825	31.08	Qp	.3	0	10.1	41.48	56	-14.52	-	-
12	.81375	22.91	Ca	.3	0	10.1	33.31	-	-	46	-12.69
13	13.56	44.78	Qp	.2	.2	10.2	55.38	60	-4.62	-	-
14	13.56	41.48	Ca	.2	.2	10.2	52.08	-	-	50	2.08

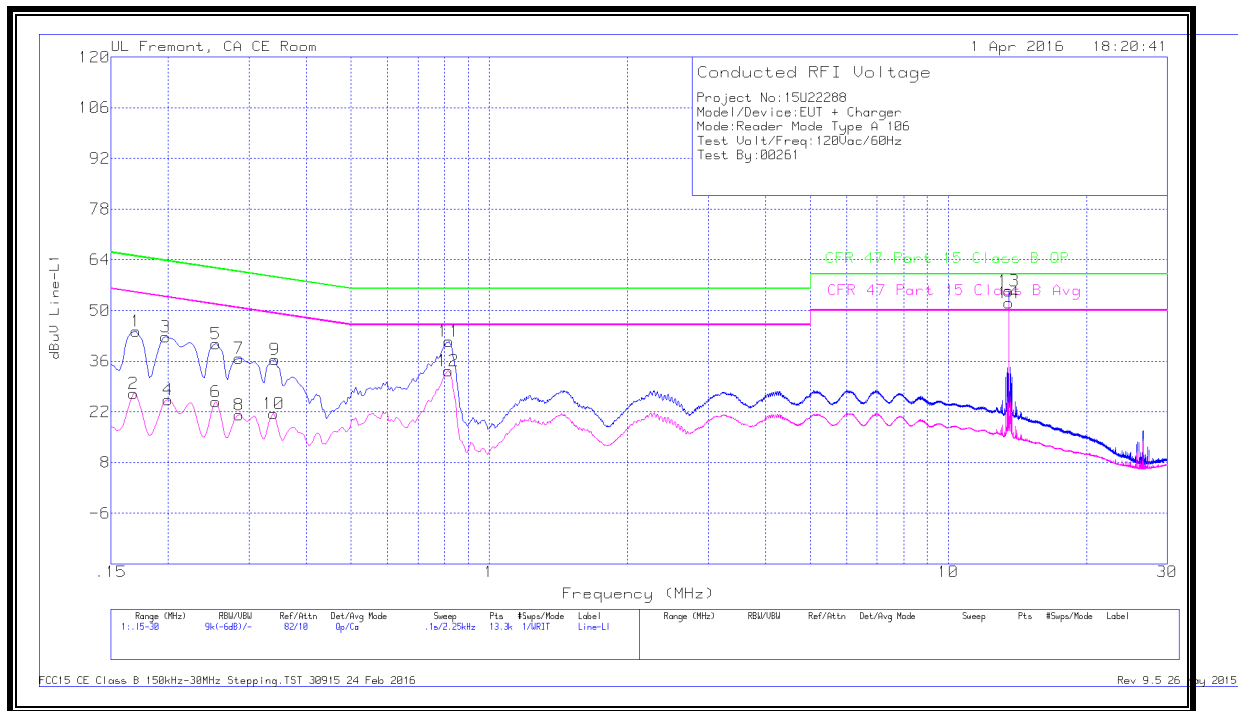
Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2	LC Cables 2&3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
15	.17025	33.85	Qp	1.2	0	10.1	45.15	64.95	-19.8	-	-
16	.168	15.76	Ca	1.3	0	10.1	27.16	-	-	55.06	-27.9
17	.222	29.69	Qp	.9	0	10.1	40.69	62.74	-22.05	-	-
18	.222	11.6	Ca	.9	0	10.1	22.6	-	-	52.74	-30.14
19	.2535	30.62	Qp	.7	0	10.1	41.42	61.64	-20.22	-	-
20	.2535	12.54	Ca	.7	0	10.1	23.34	-	-	51.64	-28.3
21	.28725	26.74	Qp	.6	0	10.1	37.44	60.6	-23.16	-	-
22	.285	8.66	Ca	.6	0	10.1	19.36	-	-	50.67	-31.31
23	.33675	25.65	Qp	.5	0	10.1	36.25	59.28	-23.03	-	-
24	.339	7.81	Ca	.5	0	10.1	18.41	-	-	49.23	-30.82
25	.81375	31.36	Qp	.3	0	10.1	41.76	56	-14.24	-	-
26	.81375	17.18	Ca	.3	0	10.1	27.58	-	-	46	-18.42
27	13.56	44.36	Qp	.2	.2	10.2	54.96	60	-5.04	-	-
28	13.56	40.8	Ca	.2	.2	10.2	51.4	-	-	50	1.4

Qp - Quasi-Peak detector

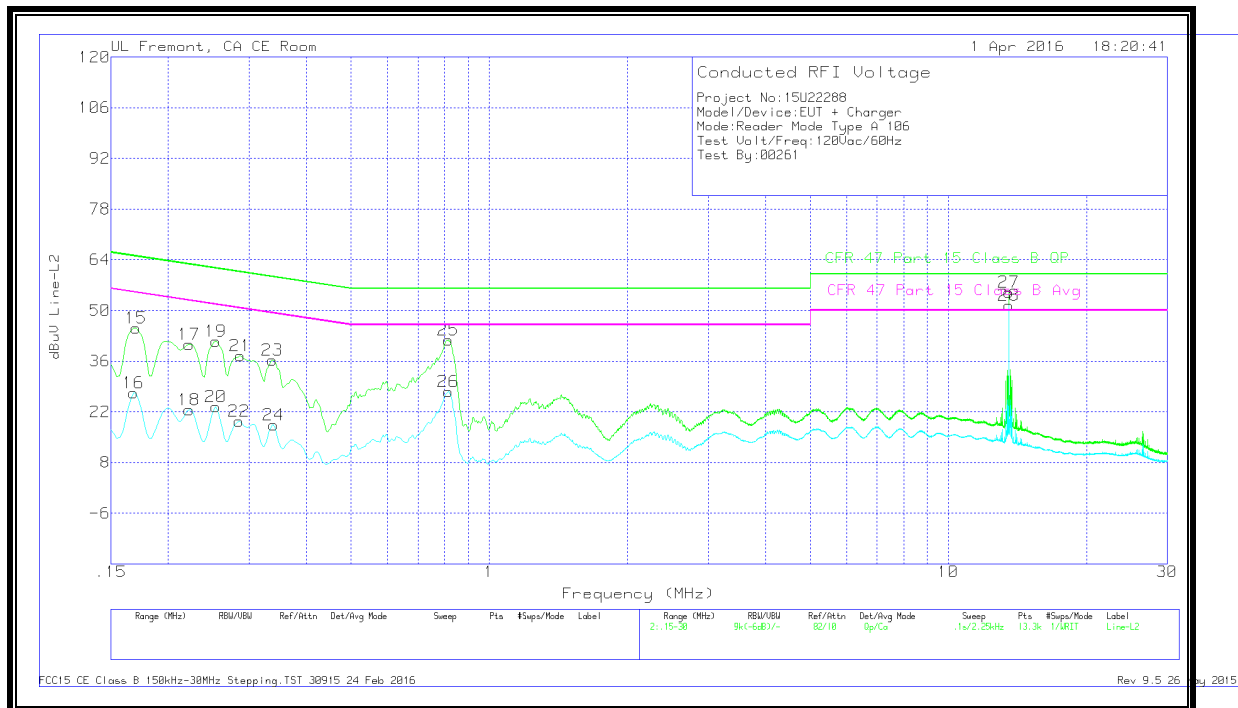
Ca - CISPR average detection

Note: 13.56MHz is a fundamental frequency of the EUT. Data under the following section indicate that when the antenna terminal is terminated the fundamental amplitude is lowering below the limit line.

LINE 1 RESULTS



LINE 2 RESULTS



9.4.8. WITH ANTENNA PORT TERMINATED, 106 KBPS

WORST EMISSIONS

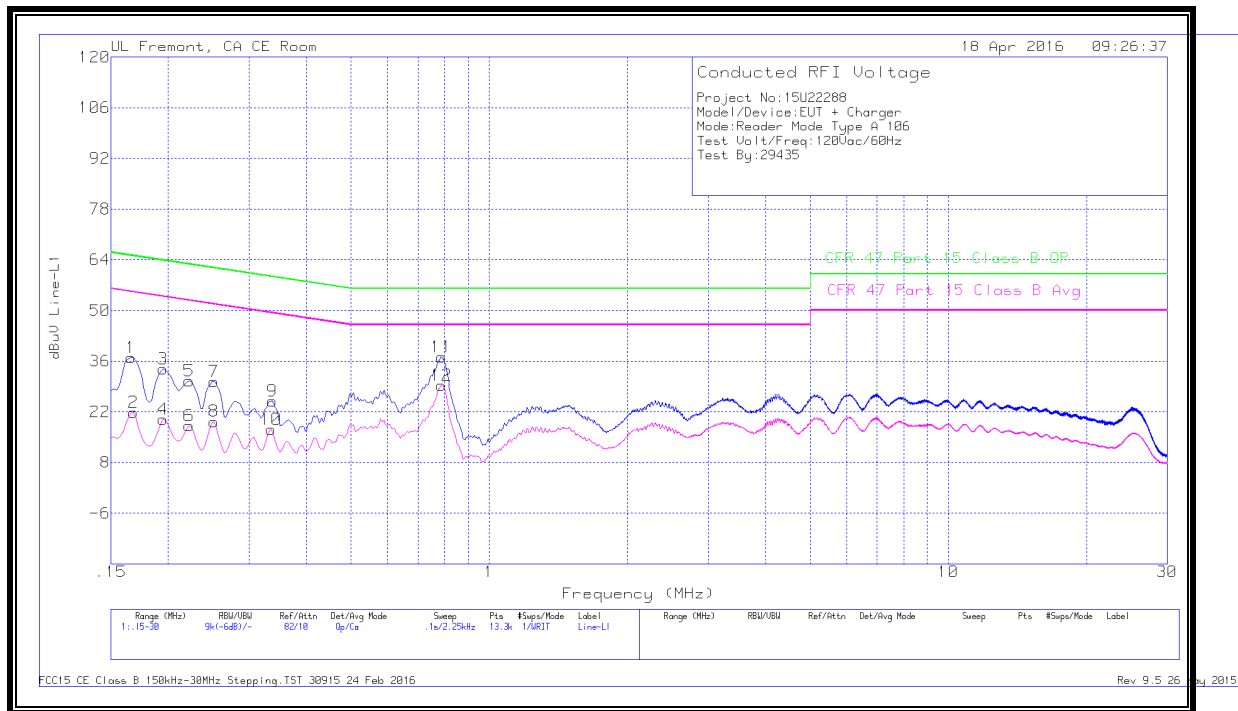
Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1	LC Cables 1&3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
1	.16575	25.73	Qp	1.2	0	10.1	37.03	65.17	-28.14	-	-
2	.168	10.46	Ca	1.2	0	10.1	21.76	-	-	55.06	-33.3
3	.195	22.7	Qp	1	0	10.1	33.8	63.82	-30.02	-	-
4	.195	8.75	Ca	1	0	10.1	19.85	-	-	53.82	-33.97
5	.222	19.64	Qp	.8	0	10.1	30.54	62.74	-32.2	-	-
6	.222	7.34	Ca	.8	0	10.1	18.24	-	-	52.74	-34.5
7	.25125	19.6	Qp	.7	0	10.1	30.4	61.72	-31.32	-	-
8	.25125	8.52	Ca	.7	0	10.1	19.32	-	-	51.72	-32.4
9	.33675	14.31	Qp	.5	0	10.1	24.91	59.28	-34.37	-	-
10	.3345	6.5	Ca	.5	0	10.1	17.1	-	-	49.34	-32.24
11	.78675	26.74	Qp	.3	0	10.1	37.14	56	-18.86	-	-
12	.78675	18.93	Ca	.3	0	10.1	29.33	-	-	46	-16.67

Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2	LC Cables 2&3	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	.16575	25.37	Qp	1.3	0	10.1	36.77	65.17	-28.4	-	-
14	.16575	7.56	Ca	1.3	0	10.1	18.96	-	-	55.17	-36.21
15	.195	21.22	Qp	1	0	10.1	32.32	63.82	-31.5	-	-
16	.195	4.19	Ca	1	0	10.1	15.29	-	-	53.82	-38.53
17	.222	19.45	Qp	.9	0	10.1	30.45	62.74	-32.29	-	-
18	.222	2.59	Ca	.9	0	10.1	13.59	-	-	52.74	-39.15
19	.25125	20.89	Qp	.7	0	10.1	31.69	61.72	-30.03	-	-
20	.249	3.53	Ca	.7	0	10.1	14.33	-	-	51.79	-37.46
21	.3345	16.63	Qp	.5	0	10.1	27.23	59.34	-32.11	-	-
22	.3345	.46	Ca	.5	0	10.1	11.06	-	-	49.34	-38.28
23	.79125	25.81	Qp	.3	0	10.1	36.21	56	-19.79	-	-
24	.789	15.42	Ca	.3	0	10.1	25.82	-	-	46	-20.18

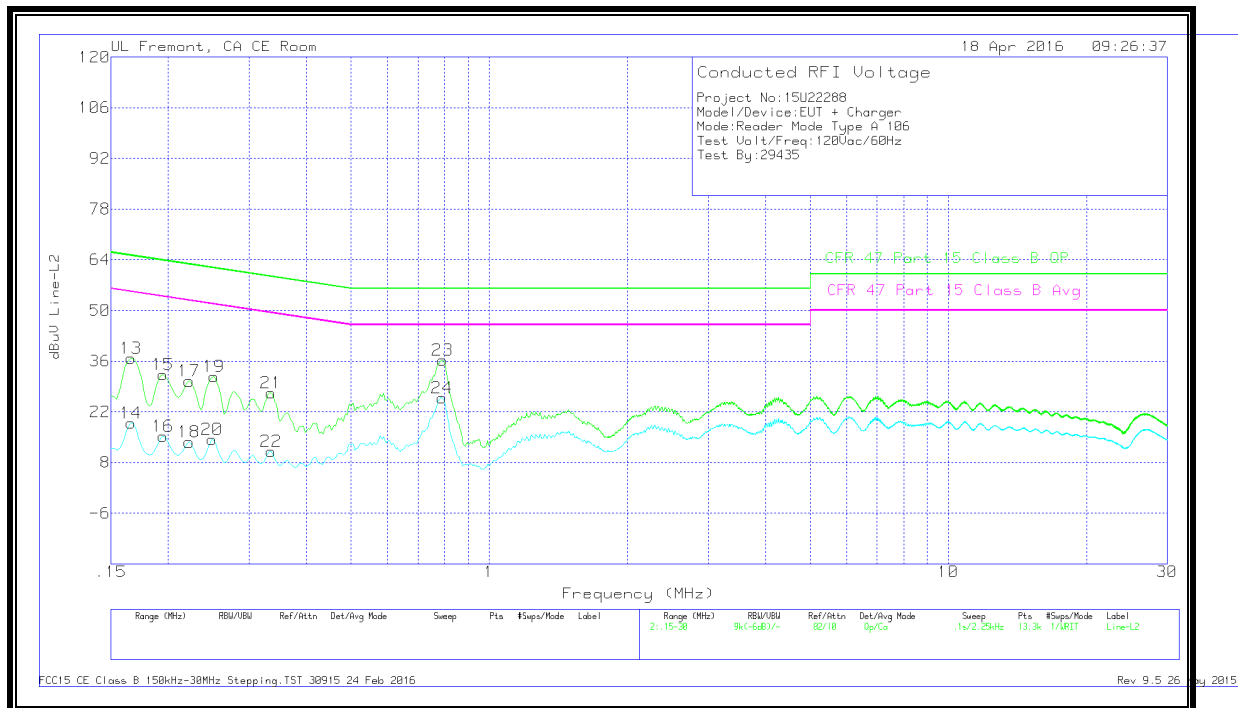
Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 1 RESULTS



LINE 2 RESULTS



9.5. READER MODE TYPE B

9.5.1. NORMAL OPERATION, 848 KBPS

6 WORST EMISSIONS

Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1	LC Cables 1&3	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	.168	32.56	Qp	1.2	0	10.1	43.86	65.06	-21.2	-	-
2	.168	15.87	Ca	1.2	0	10.1	27.17	-	-	55.06	-27.89
3	.19725	30.7	Qp	1	0	10.1	41.8	63.73	-21.93	-	-
4	.20175	13.98	Ca	.9	0	10.1	24.98	-	-	53.54	-28.56
5	.25125	29.77	Qp	.7	0	10.1	40.57	61.72	-21.15	-	-
6	.2535	14.1	Ca	.7	0	10.1	24.9	-	-	51.64	-26.74
7	.28725	25.56	Qp	.6	0	10.1	36.26	60.6	-24.34	-	-
8	.28725	10.52	Ca	.6	0	10.1	21.22	-	-	50.6	-29.38
9	.3345	25.76	Qp	.5	0	10.1	36.36	59.34	-22.98	-	-
10	.33675	11.26	Ca	.5	0	10.1	21.86	-	-	49.28	-27.42
11	.816	30.78	Qp	.3	0	10.1	41.18	56	-14.82	-	-
12	.81375	22.71	Ca	.3	0	10.1	33.11	-	-	46	-12.89
13	13.56	45.41	Qp	.2	.2	10.2	56.01	60	-3.99	-	-
14	13.56	41.99	Ca	.2	.2	10.2	52.59	-	-	50	2.59

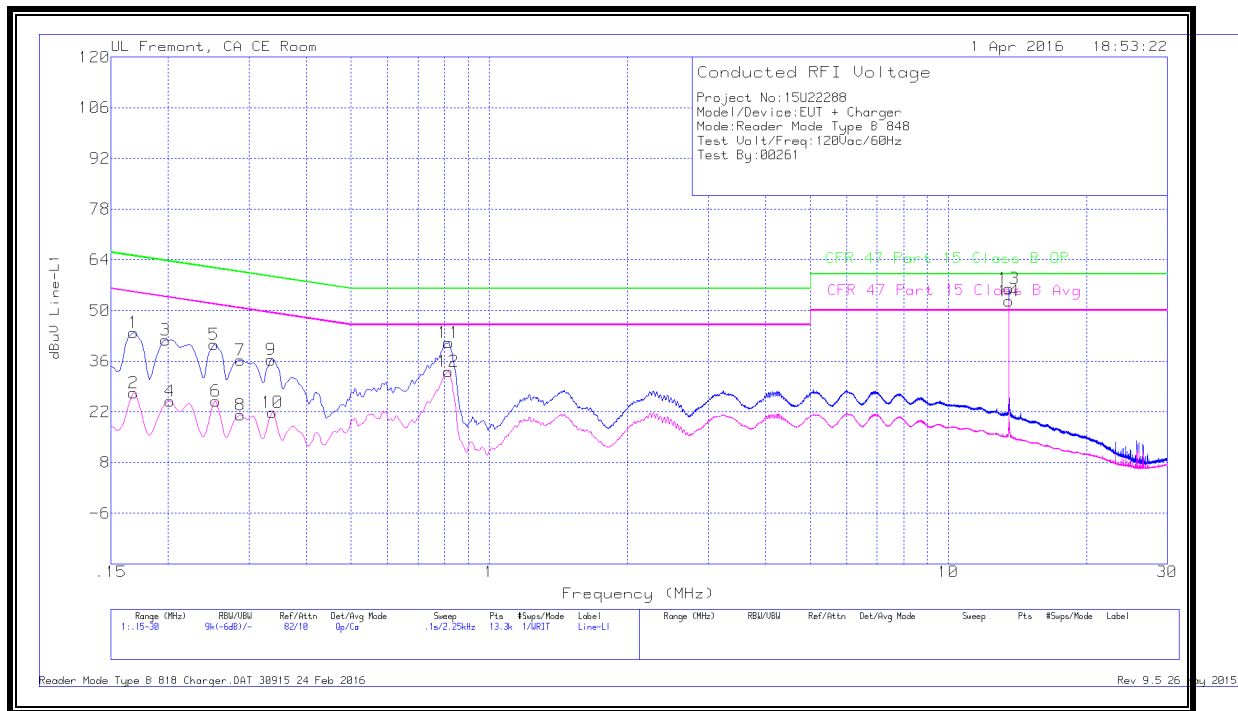
Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2	LC Cables 2&3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
15	.168	33.36	Qp	1.3	0	10.1	44.76	65.06	-20.3	-	-
16	.168	15.19	Ca	1.3	0	10.1	26.59	-	-	55.06	-28.47
17	.222	28.99	Qp	.9	0	10.1	39.99	62.74	-22.75	-	-
18	.222	10.69	Ca	.9	0	10.1	21.69	-	-	52.74	-31.05
19	.2535	30.28	Qp	.7	0	10.1	41.08	61.64	-20.56	-	-
20	.2535	11.97	Ca	.7	0	10.1	22.77	-	-	51.64	-28.87
21	.2895	26.27	Qp	.6	0	10.1	36.97	60.54	-23.57	-	-
22	.28725	8.15	Ca	.6	0	10.1	18.85	-	-	50.6	-31.75
23	.3345	25.47	Qp	.5	0	10.1	36.07	59.34	-23.27	-	-
24	.33675	7.6	Ca	.5	0	10.1	18.2	-	-	49.28	-31.08
25	.80925	31.11	Qp	.3	0	10.1	41.51	56	-14.49	-	-
26	.8115	16.81	Ca	.3	0	10.1	27.21	-	-	46	-18.79
27	13.56	44.91	Qp	.2	.2	10.2	55.51	60	-4.49	-	-
28	13.56	41.33	Ca	.2	.2	10.2	51.93	-	-	50	1.93

Qp - Quasi-Peak detector

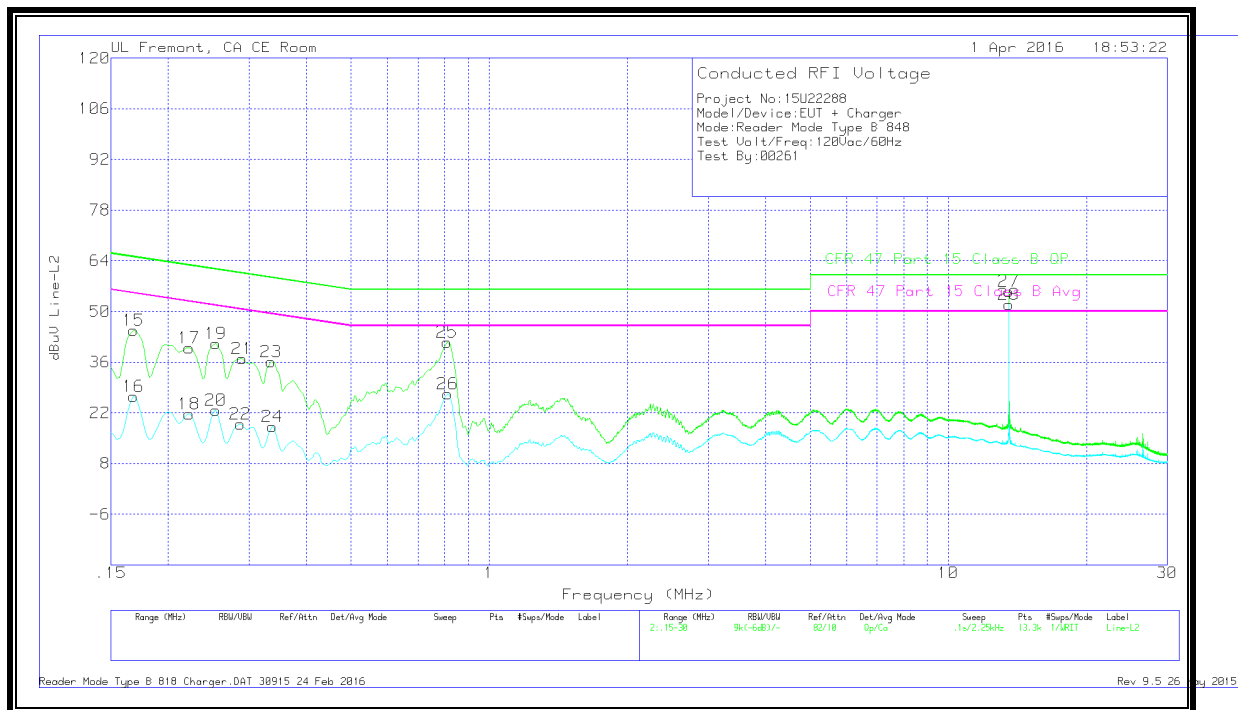
Ca - CISPR average detection

Note: 13.56MHz is a fundamental frequency of the EUT. Data under the following section indicate that when the antenna terminal is terminated the fundamental amplitude is lowering below the limit line.

LINE 1 RESULTS



LINE 2 RESULTS



9.5.2. WITH ANTENNA PORT TERMINATED, 848 KBPS

WORST EMISSIONS

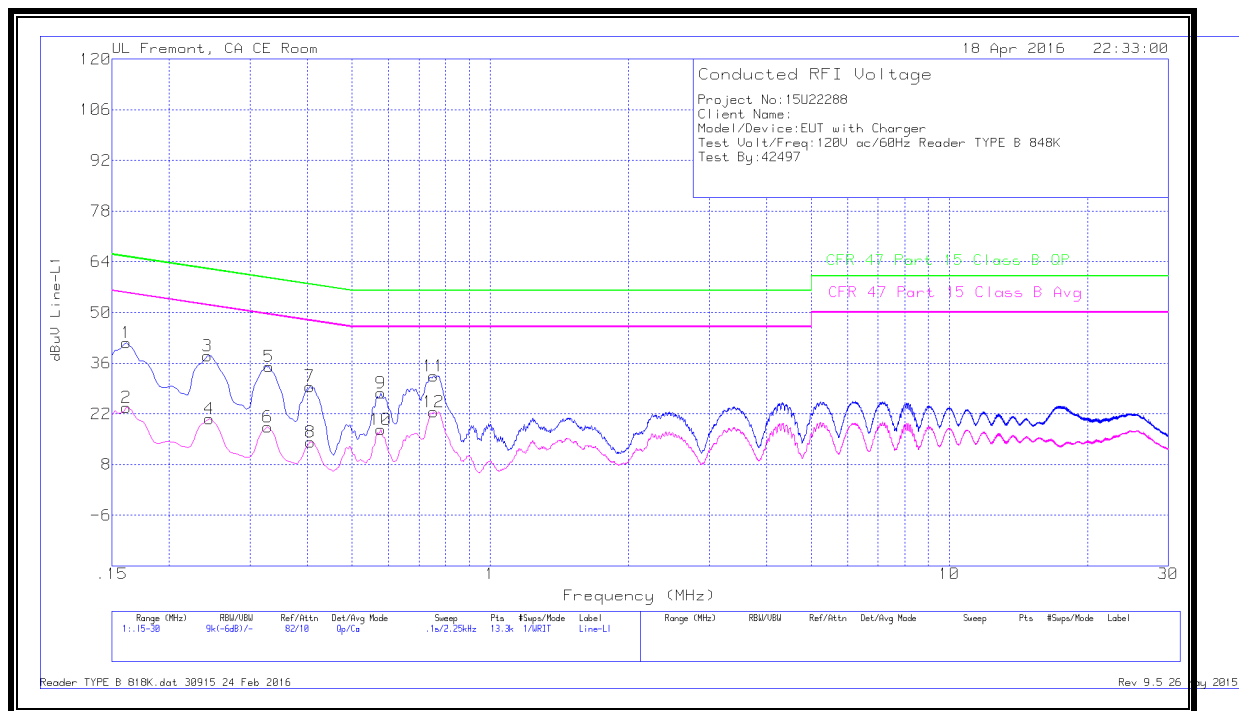
Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1	LC Cables 1&3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
1	.16125	30.19	Qp	1.3	0	10.1	41.59	65.4	-23.81	-	-
2	.16125	12.36	Ca	1.3	0	10.1	23.76	-	-	55.4	-31.64
3	.24225	27.17	Qp	.7	0	10.1	37.97	62.02	-24.05	-	-
4	.2445	9.84	Ca	.7	0	10.1	20.64	-	-	51.94	-31.3
5	.33	24.42	Qp	.5	0	10.1	35.02	59.45	-24.43	-	-
6	.32775	7.7	Ca	.5	0	10.1	18.3	-	-	49.51	-31.21
7	.40425	19.07	Qp	.4	0	10.1	29.57	57.77	-28.2	-	-
8	.4065	3.71	Ca	.4	0	10.1	14.21	-	-	47.72	-33.51
9	.5775	17.41	Qp	.3	0	10.1	27.81	56	-28.19	-	-
10	.5775	7.24	Ca	.3	0	10.1	17.64	-	-	46	-28.36
11	.753	22.11	Qp	.3	0	10.1	32.51	56	-23.49	-	-
12	.753	12.19	Ca	.3	0	10.1	22.59	-	-	46	-23.41

Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2	LC Cables 2&3	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	.1635	29.98	Qp	1.3	0	10.1	41.38	65.28	-23.9	-	-
14	.1635	12.89	Ca	1.3	0	10.1	24.29	-	-	55.28	-30.99
15	.2445	27.6	Qp	.8	0	10.1	38.5	61.94	-23.44	-	-
16	.24675	11.76	Ca	.7	0	10.1	22.56	-	-	51.87	-29.31
17	.3255	24.23	Qp	.5	0	10.1	34.83	59.57	-24.74	-	-
18	.32775	9.75	Ca	.5	0	10.1	20.35	-	-	49.51	-29.16
19	.4065	18.35	Qp	.4	0	10.1	28.85	57.72	-28.87	-	-
20	.4065	5.19	Ca	.4	0	10.1	15.69	-	-	47.72	-32.03
21	.57975	15.16	Qp	.3	0	10.1	25.56	56	-30.44	-	-
22	.5775	10.69	Ca	.3	0	10.1	21.09	-	-	46	-24.91
23	.74175	23.88	Qp	.3	0	10.1	34.28	56	-21.72	-	-
24	.75525	14.69	Ca	.3	0	10.1	25.09	-	-	46	-20.91

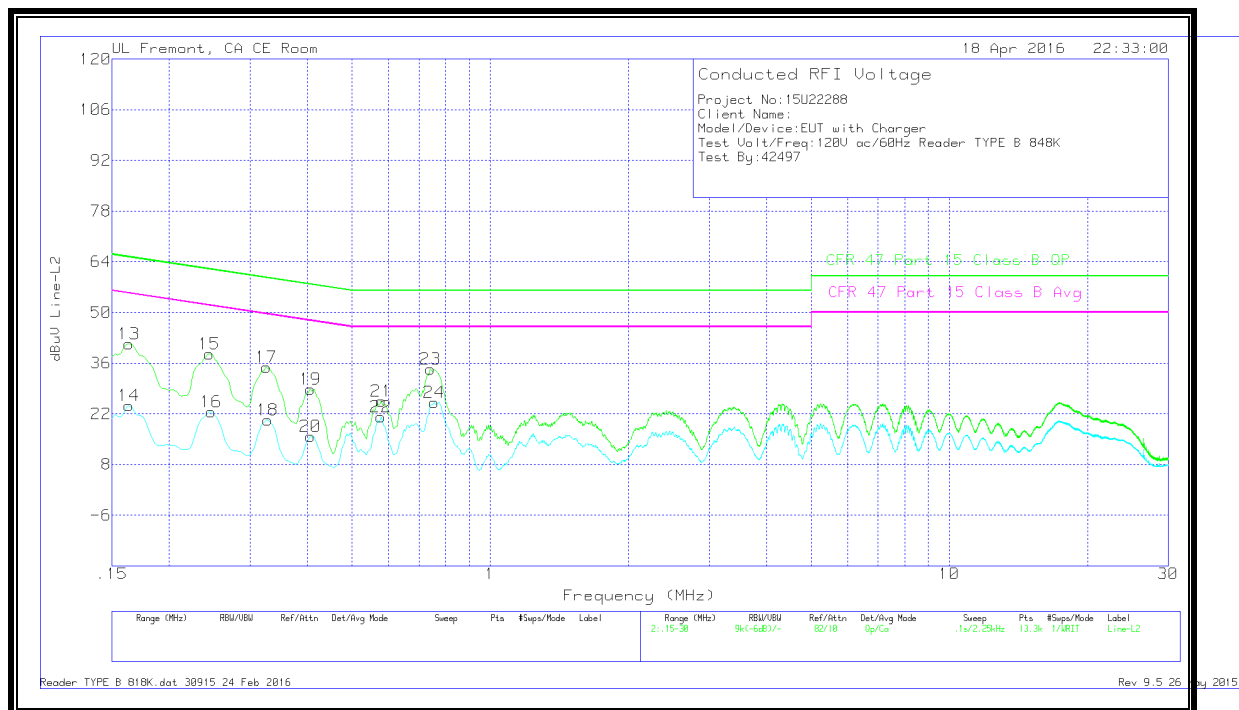
Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 1 RESULTS



LINE 2 RESULTS



9.5.3. NORMAL OPERATION, 424 Kbps

6 WORST EMISSIONS

Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1	LC Cables 1&3	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	.168	32.55	Qp	1.2	0	10.1	43.85	65.06	-21.21	-	-
2	.168	15.8	Ca	1.2	0	10.1	27.1	-	-	55.06	-27.96
3	.19725	30.93	Qp	1	0	10.1	42.03	63.73	-21.7	-	-
4	.20175	14.08	Ca	.9	0	10.1	25.08	-	-	53.54	-28.46
5	.25125	29.75	Qp	.7	0	10.1	40.55	61.72	-21.17	-	-
6	.2535	14.06	Ca	.7	0	10.1	24.86	-	-	51.64	-26.78
7	.28725	25.63	Qp	.6	0	10.1	36.33	60.6	-24.27	-	-
8	.28725	10.49	Ca	.6	0	10.1	21.19	-	-	50.6	-29.41
9	.3345	25.73	Qp	.5	0	10.1	36.33	59.34	-23.01	-	-
10	.33675	11.19	Ca	.5	0	10.1	21.79	-	-	49.28	-27.49
11	.816	30.8	Qp	.3	0	10.1	41.2	56	-14.8	-	-
12	.81375	22.82	Ca	.3	0	10.1	33.22	-	-	46	-12.78
13	13.56	45.12	Qp	.2	.2	10.2	55.72	60	-4.28	-	-
14	13.56	41.93	Ca	.2	.2	10.2	52.53	-	-	50	2.53

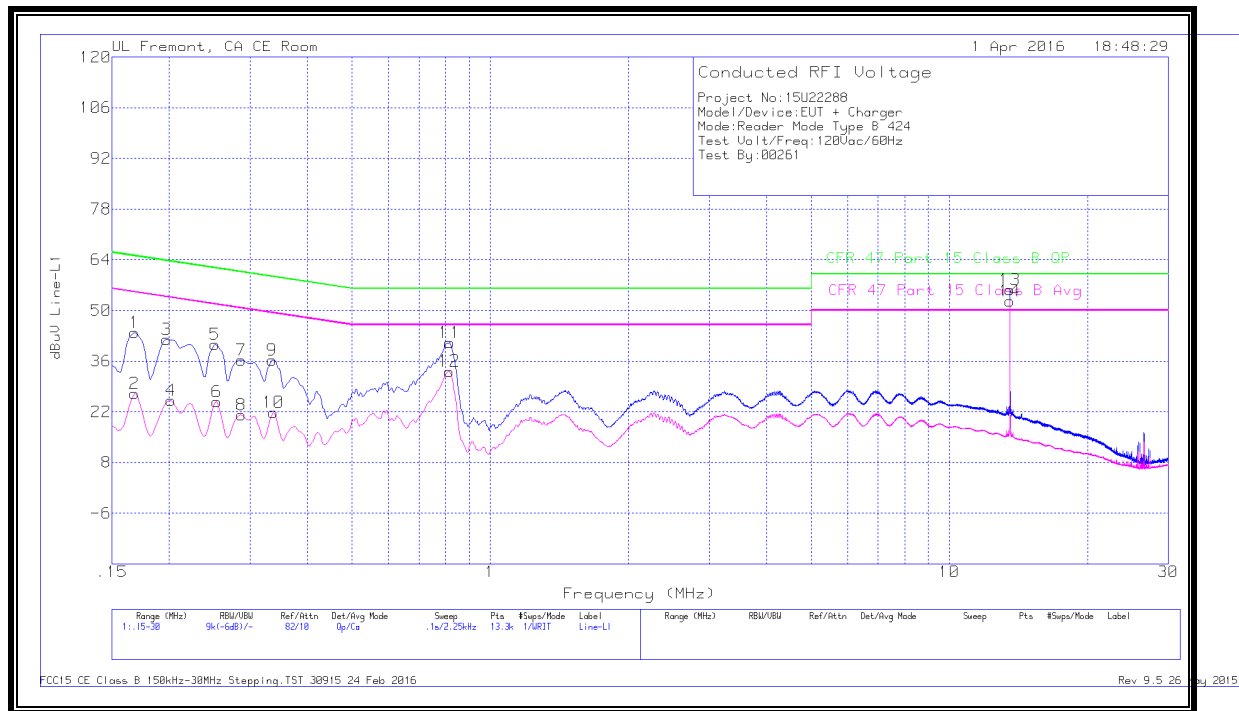
Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2	LC Cables 2&3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
15	.168	33.46	Qp	1.3	0	10.1	44.86	65.06	-20.2	-	-
16	.168	15.51	Ca	1.3	0	10.1	26.91	-	-	55.06	-28.15
17	.222	29.27	Qp	.9	0	10.1	40.27	62.74	-22.47	-	-
18	.222	11.1	Ca	.9	0	10.1	22.1	-	-	52.74	-30.64
19	.25238	30.34	Qp	.7	0	10.1	41.14	61.68	-20.54	-	-
20	.2535	12.26	Ca	.7	0	10.1	23.06	-	-	51.64	-28.58
21	.2895	26.16	Qp	.6	0	10.1	36.86	60.54	-23.68	-	-
22	.285	8.14	Ca	.6	0	10.1	18.84	-	-	50.67	-31.83
23	.3345	25.49	Qp	.5	0	10.1	36.09	59.34	-23.25	-	-
24	.33675	7.83	Ca	.5	0	10.1	18.43	-	-	49.28	-30.85
25	.81375	31.34	Qp	.3	0	10.1	41.74	56	-14.26	-	-
26	.81375	17.05	Ca	.3	0	10.1	27.45	-	-	46	-18.55
27	13.56	44.75	Qp	.2	.2	10.2	55.35	60	-4.65	-	-
28	13.56	41.36	Ca	.2	.2	10.2	51.96	-	-	50	1.96

Qp - Quasi-Peak detector

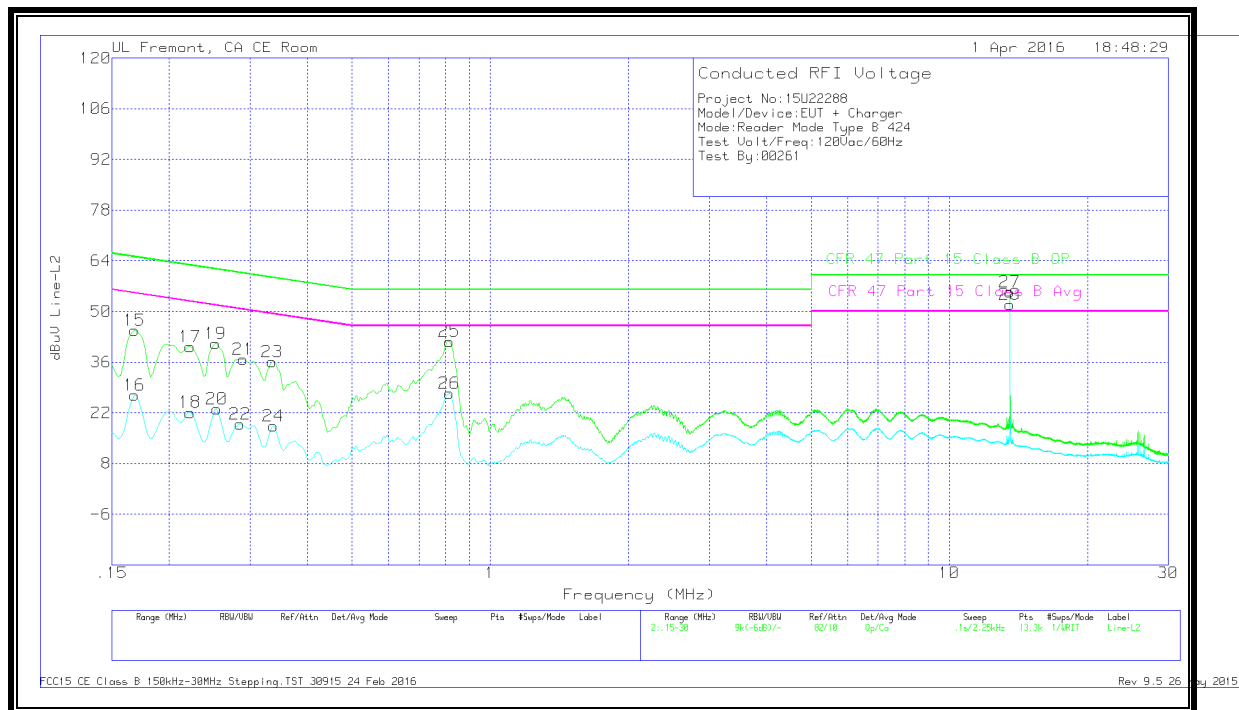
Ca - CISPR average detection

Note: 13.56MHz is a fundamental frequency of the EUT. Data under the following section indicate that when the antenna terminal is terminated the fundamental amplitude is lowering below the limit line.

LINE 1 RESULTS



LINE 2 RESULTS



9.5.4. WITH ANTENNA PORT TERMINATED, 424 KBPS

WORST EMISSIONS

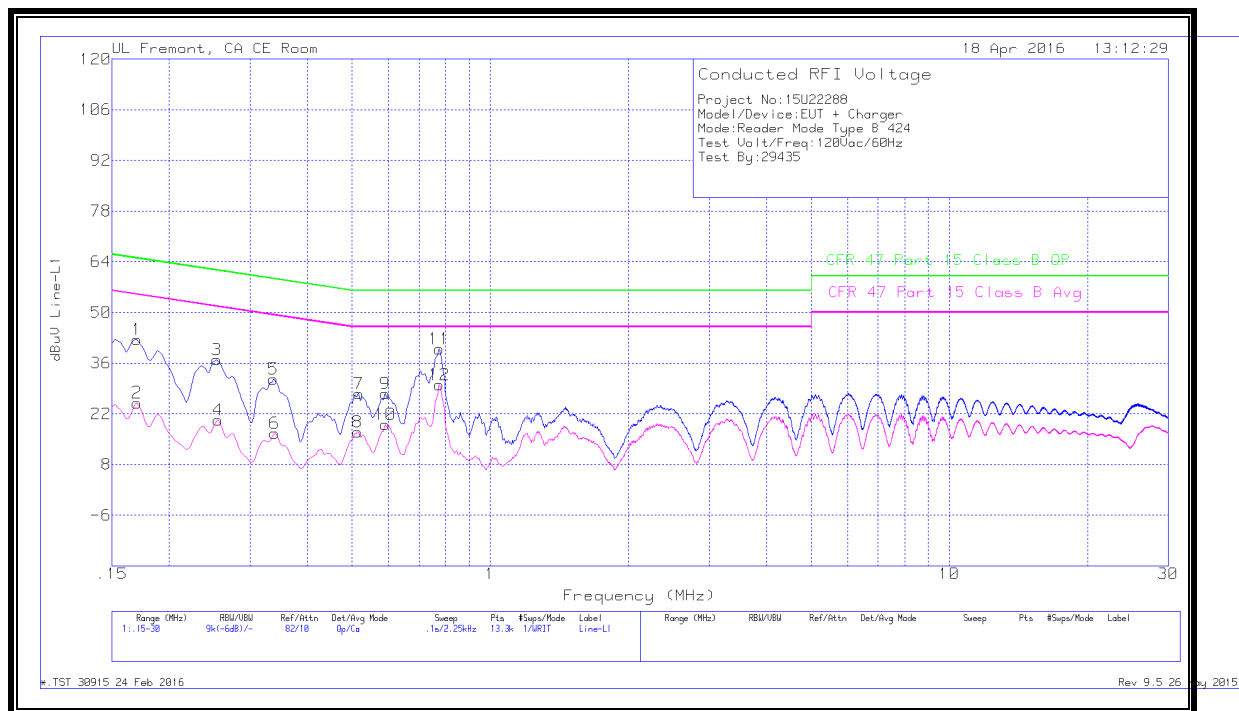
Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1	LC Cables 1&3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
1	.17025	31.24	Qp	1.2	0	10.1	42.54	64.95	-22.41	-	-
2	.17025	13.75	Ca	1.2	0	10.1	25.05	-	-	54.95	-29.9
3	.2535	26.11	Qp	.7	0	10.1	36.91	61.64	-24.73	-	-
4	.25575	9.5	Ca	.7	0	10.1	20.3	-	-	51.57	-31.27
5	.33675	20.92	Qp	.5	0	10.1	31.52	59.28	-27.76	-	-
6	.339	5.96	Ca	.5	0	10.1	16.56	-	-	49.23	-32.67
7	.51675	17.17	Qp	.3	0	10.1	27.57	56	-28.43	-	-
8	.5145	6.57	Ca	.3	0	10.1	16.97	-	-	46	-29.03
9	.591	17.13	Qp	.3	0	10.1	27.53	56	-28.47	-	-
10	.591	8.61	Ca	.3	0	10.1	19.01	-	-	46	-26.99
11	.7755	29.48	Qp	.3	0	10.1	39.88	56	-16.12	-	-
12	.7755	19.66	Ca	.3	0	10.1	30.06	-	-	46	-15.94

Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2	LC Cables 2&3	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	.17025	31.72	Qp	1.2	0	10.1	43.02	64.95	-21.93	-	-
14	.17025	13.73	Ca	1.2	0	10.1	25.03	-	-	54.95	-29.92
15	.2535	26.45	Qp	.7	0	10.1	37.25	61.64	-24.39	-	-
16	.25575	8.97	Ca	.7	0	10.1	19.77	-	-	51.57	-31.8
17	.33675	20.65	Qp	.5	0	10.1	31.25	59.28	-28.03	-	-
18	.339	4.66	Ca	.5	0	10.1	15.26	-	-	49.23	-33.97
19	.5145	16.19	Qp	.4	0	10.1	26.69	56	-29.31	-	-
20	.5145	3.92	Ca	.4	0	10.1	14.42	-	-	46	-31.58
21	.591	16.71	Qp	.3	0	10.1	27.11	56	-28.89	-	-
22	.591	6.49	Ca	.3	0	10.1	16.89	-	-	46	-29.11
23	.77325	29.47	Qp	.3	0	10.1	39.87	56	-16.13	-	-
24	.77325	17.6	Ca	.3	0	10.1	28	-	-	46	-18

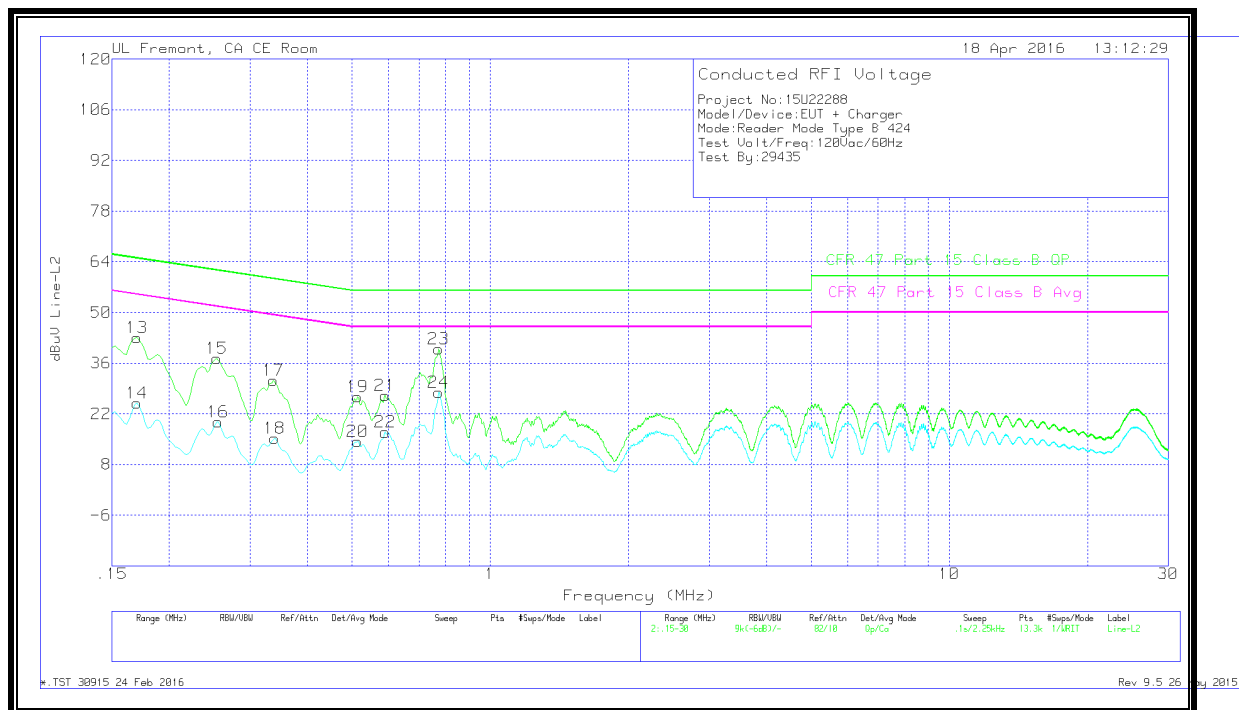
Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 1 RESULTS



LINE 2 RESULTS



9.5.5. NORMAL OPERATION, 212 KBPS

6 WORST EMISSIONS

Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1	LC Cables 1&3	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	.168	32.57	Qp	1.2	0	10.1	43.87	65.06	-21.19	-	-
2	.168	15.96	Ca	1.2	0	10.1	27.26	-	-	55.06	-27.8
3	.19725	30.95	Qp	1	0	10.1	42.05	63.73	-21.68	-	-
4	.1995	14.17	Ca	.9	0	10.1	25.17	-	-	53.63	-28.46
5	.25125	29.74	Qp	.7	0	10.1	40.54	61.72	-21.18	-	-
6	.2535	14.16	Ca	.7	0	10.1	24.96	-	-	51.64	-26.68
7	.285	25.65	Qp	.6	0	10.1	36.35	60.67	-24.32	-	-
8	.28725	10.55	Ca	.6	0	10.1	21.25	-	-	50.6	-29.35
9	.3345	25.74	Qp	.5	0	10.1	36.34	59.34	-23	-	-
10	.33675	11.3	Ca	.5	0	10.1	21.9	-	-	49.28	-27.38
11	.816	30.75	Qp	.3	0	10.1	41.15	56	-14.85	-	-
12	.81375	22.76	Ca	.3	0	10.1	33.16	-	-	46	-12.84
13	13.56	44.78	Qp	.2	.2	10.2	55.38	60	-4.62	-	-
14	13.56	41.47	Ca	.2	.2	10.2	52.07	-	-	50	2.07

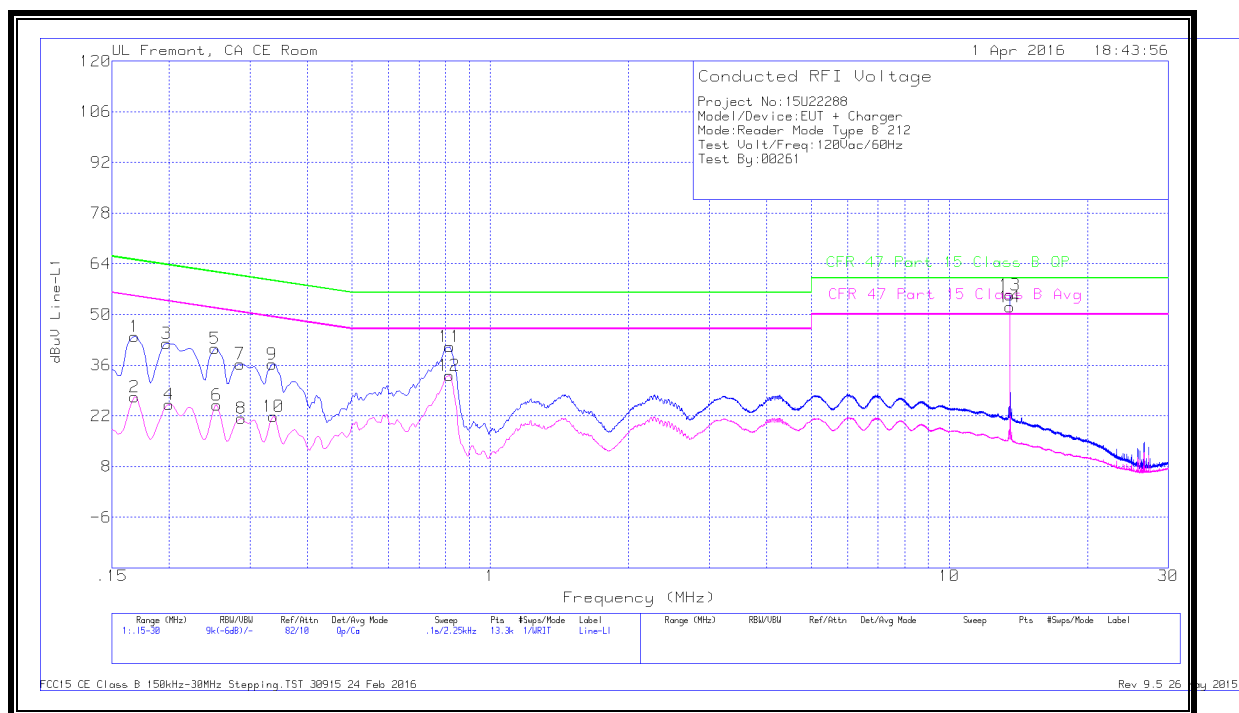
Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2	LC Cables 2&3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
15	.168	33.5	Qp	1.3	0	10.1	44.9	65.06	-20.16	-	-
16	.168	15.54	Ca	1.3	0	10.1	26.94	-	-	55.06	-28.12
17	.222	29.21	Qp	.9	0	10.1	40.21	62.74	-22.53	-	-
18	.222	11.04	Ca	.9	0	10.1	22.04	-	-	52.74	-30.7
19	.2535	30.46	Qp	.7	0	10.1	41.26	61.64	-20.38	-	-
20	.2535	12.33	Ca	.7	0	10.1	23.13	-	-	51.64	-28.51
21	.28725	26.52	Qp	.6	0	10.1	37.22	60.6	-23.38	-	-
22	.285	8.45	Ca	.6	0	10.1	19.15	-	-	50.67	-31.52
23	.3345	25.6	Qp	.5	0	10.1	36.2	59.34	-23.14	-	-
24	.33675	7.91	Ca	.5	0	10.1	18.51	-	-	49.28	-30.77
25	.816	31.36	Qp	.3	0	10.1	41.76	56	-14.24	-	-
26	.81375	17	Ca	.3	0	10.1	27.4	-	-	46	-18.6
27	13.56	44.38	Qp	.2	.2	10.2	54.98	60	-5.02	-	-
28	13.56	40.9	Ca	.2	.2	10.2	51.5	-	-	50	1.5

Qp - Quasi-Peak detector

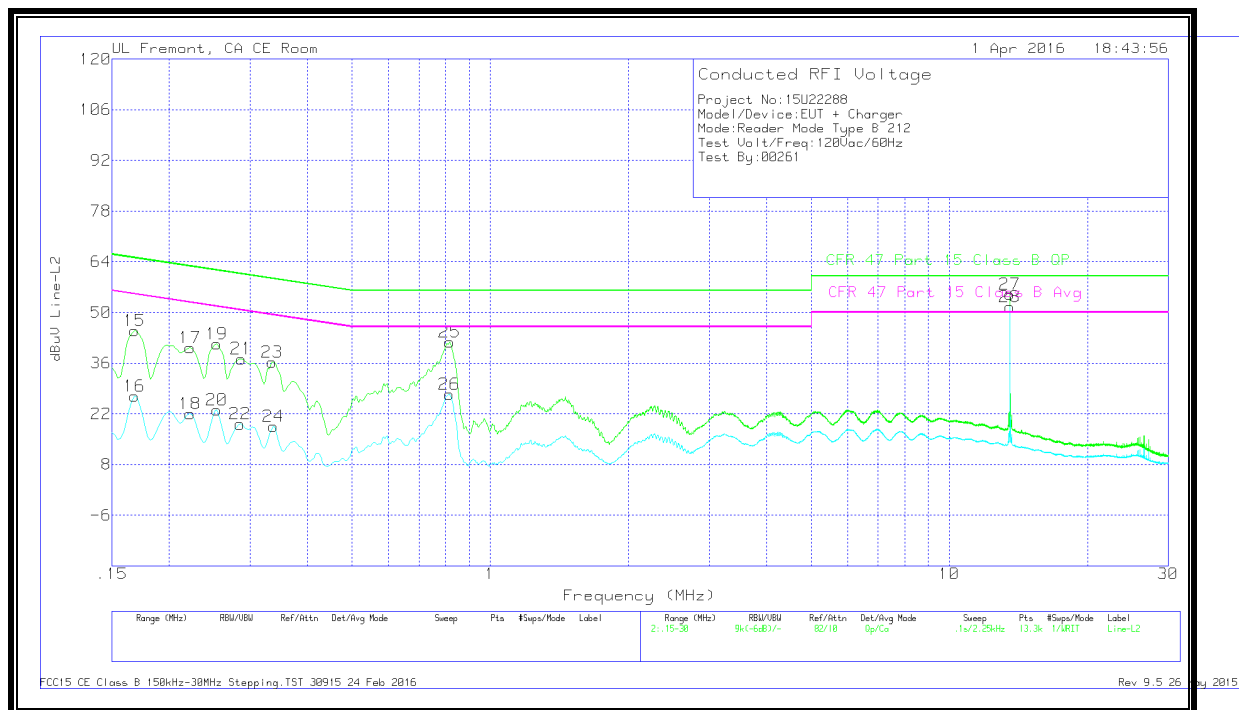
Ca - CISPR average detection

Note: 13.56MHz is a fundamental frequency of the EUT. Data under the following section indicate that when the antenna terminal is terminated the fundamental amplitude is lowering below the limit line.

LINE 1 RESULTS



LINE 2 RESULTS



9.5.6. WITH ANTENNA PORT TERMINATED, 212 KBPS

WORST EMISSIONS

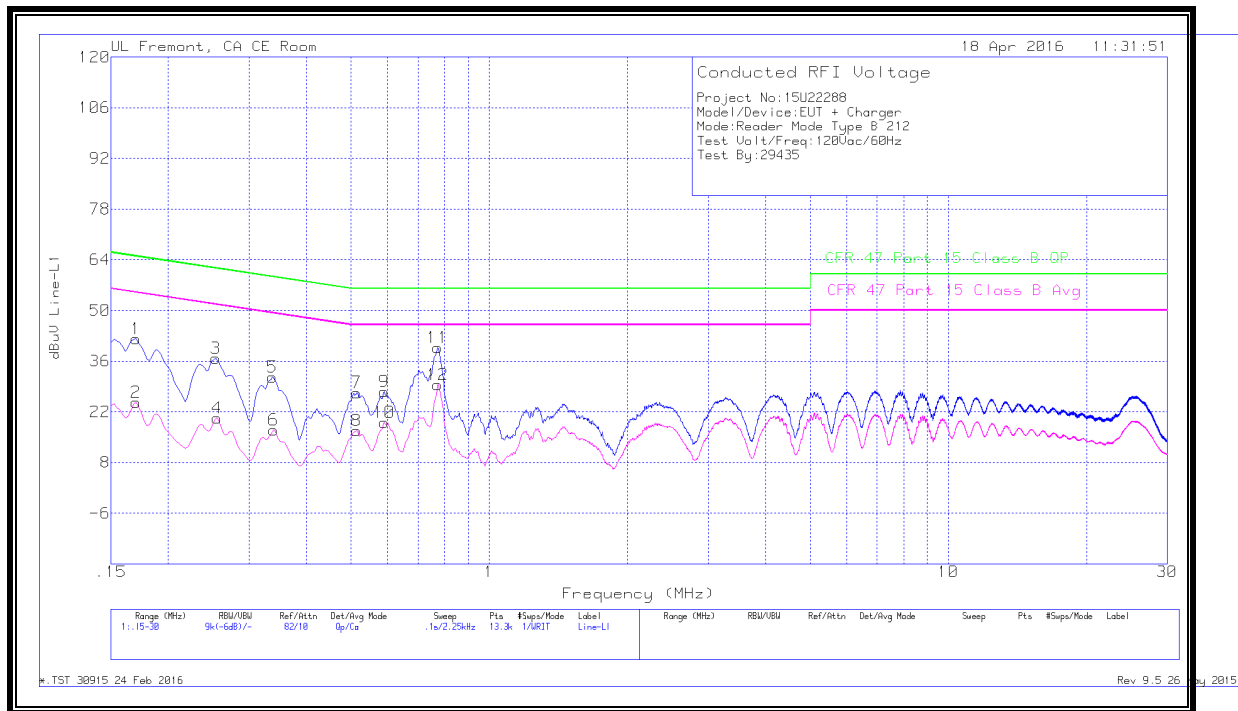
Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1	LC Cables 1&3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
1	.17025	30.85	Qp	1.2	0	10.1	42.15	64.95	-22.8	-	-
2	.17025	13.35	Ca	1.2	0	10.1	24.65	-	-	54.95	-30.3
3	.2535	25.96	Qp	.7	0	10.1	36.76	61.64	-24.88	-	-
4	.25575	9.44	Ca	.7	0	10.1	20.24	-	-	51.57	-31.33
5	.33675	21	Qp	.5	0	10.1	31.6	59.28	-27.68	-	-
6	.339	6.32	Ca	.5	0	10.1	16.92	-	-	49.23	-32.31
7	.5145	16.91	Qp	.3	0	10.1	27.31	56	-28.69	-	-
8	.5145	6.4	Ca	.3	0	10.1	16.8	-	-	46	-29.2
9	.591	17.11	Qp	.3	0	10.1	27.51	56	-28.49	-	-
10	.591	8.6	Ca	.3	0	10.1	19	-	-	46	-27
11	.77325	29.28	Qp	.3	0	10.1	39.68	56	-16.32	-	-
12	.77325	19.13	Ca	.3	0	10.1	29.53	-	-	46	-16.47

Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2	LC Cables 2&3	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	.17025	30.91	Qp	1.2	0	10.1	42.21	64.95	-22.74	-	-
14	.17025	12.98	Ca	1.2	0	10.1	24.28	-	-	54.95	-30.67
15	.2535	25.99	Qp	.7	0	10.1	36.79	61.64	-24.85	-	-
16	.2535	9.12	Ca	.7	0	10.1	19.92	-	-	51.64	-31.72
17	.33675	20.68	Qp	.5	0	10.1	31.28	59.28	-28	-	-
18	.339	5.36	Ca	.5	0	10.1	15.96	-	-	49.23	-33.27
19	.5145	14.73	Qp	.4	0	10.1	25.23	56	-30.77	-	-
20	.5145	5.5	Ca	.4	0	10.1	16	-	-	46	-30
21	.58875	16.19	Qp	.3	0	10.1	26.59	56	-29.41	-	-
22	.58875	8.3	Ca	.3	0	10.1	18.7	-	-	46	-27.3
23	.771	28.36	Qp	.3	0	10.1	38.76	56	-17.24	-	-
24	.77325	19.61	Ca	.3	0	10.1	30.01	-	-	46	-15.99

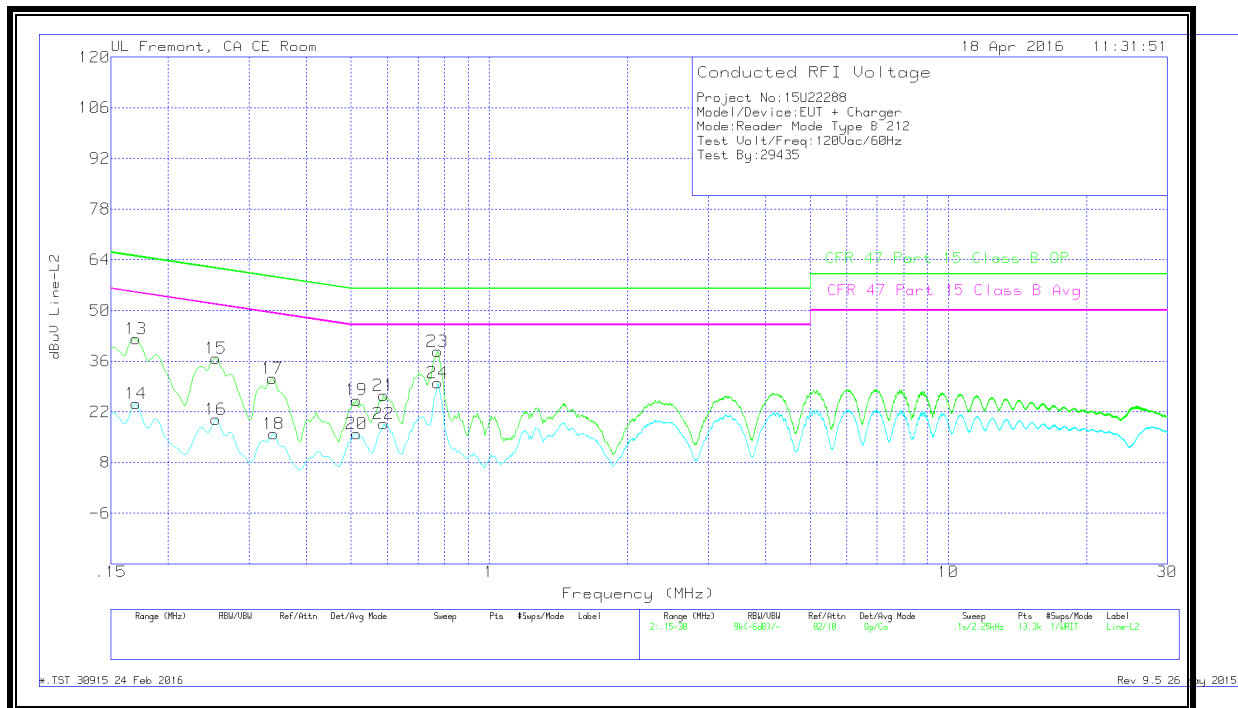
Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 1 RESULTS



LINE 2 RESULTS



9.5.7. NORMAL OPERATION, 106 KBPS

WORST EMISSIONS

Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1	LC Cables 1&3	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	.168	32.59	Qp	1.2	0	10.1	43.89	65.06	-21.17	-	-
2	.168	15.75	Ca	1.2	0	10.1	27.05	-	-	55.06	-28.01
3	.19725	30.92	Qp	1	0	10.1	42.02	63.73	-21.71	-	-
4	.20175	13.92	Ca	.9	0	10.1	24.92	-	-	53.54	-28.62
5	.25125	29.73	Qp	.7	0	10.1	40.53	61.72	-21.19	-	-
6	.2535	14.02	Ca	.7	0	10.1	24.82	-	-	51.64	-26.82
7	.28725	25.69	Qp	.6	0	10.1	36.39	60.6	-24.21	-	-
8	.28725	10.44	Ca	.6	0	10.1	21.14	-	-	50.6	-29.46
9	.339	25.72	Qp	.5	0	10.1	36.32	59.23	-22.91	-	-
10	.33675	11.17	Ca	.5	0	10.1	21.77	-	-	49.28	-27.51
11	.81375	31.01	Qp	.3	0	10.1	41.41	56	-14.59	-	-
12	.8115	22.93	Ca	.3	0	10.1	33.33	-	-	46	-12.67
13	13.56	45.16	Qp	.2	.2	10.2	55.76	60	-4.24	-	-
14	13.56	41.85	Ca	.2	.2	10.2	52.45	-	-	50	2.45

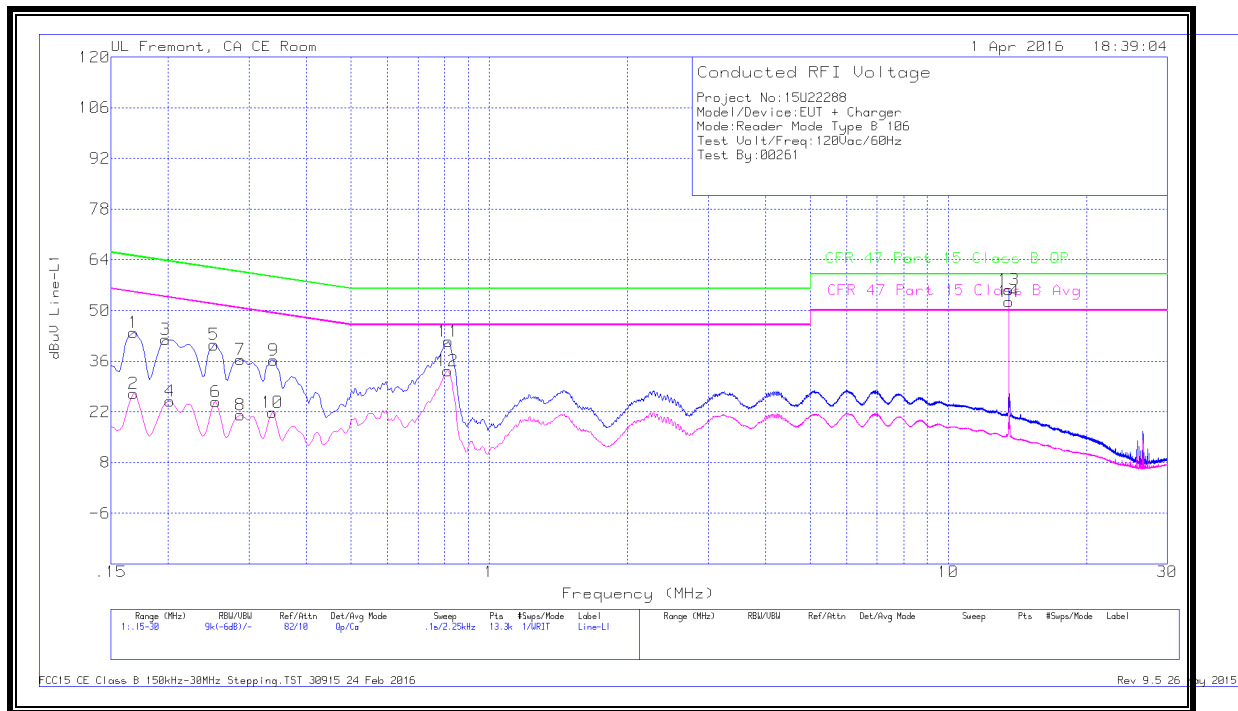
Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2	LC Cables 2&3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
15	.168	33.52	Qp	1.3	0	10.1	44.92	65.06	-20.14	-	-
16	.168	15.4	Ca	1.3	0	10.1	26.8	-	-	55.06	-28.26
17	.222	29.21	Qp	.9	0	10.1	40.21	62.74	-22.53	-	-
18	.222	10.88	Ca	.9	0	10.1	21.88	-	-	52.74	-30.86
19	.2535	30.41	Qp	.7	0	10.1	41.21	61.64	-20.43	-	-
20	.2535	12.25	Ca	.7	0	10.1	23.05	-	-	51.64	-28.59
21	.2895	26.3	Qp	.6	0	10.1	37	60.54	-23.54	-	-
22	.28725	8.31	Ca	.6	0	10.1	19.01	-	-	50.6	-31.59
23	.3345	25.62	Qp	.5	0	10.1	36.22	59.34	-23.12	-	-
24	.33675	7.84	Ca	.5	0	10.1	18.44	-	-	49.28	-30.84
25	.8115	31.39	Qp	.3	0	10.1	41.79	56	-14.21	-	-
26	.81375	17.16	Ca	.3	0	10.1	27.56	-	-	46	-18.44
27	13.56	44.78	Qp	.2	.2	10.2	55.38	60	-4.62	-	-
28	13.56	41.35	Ca	.2	.2	10.2	51.95	-	-	50	1.95

Qp - Quasi-Peak detector

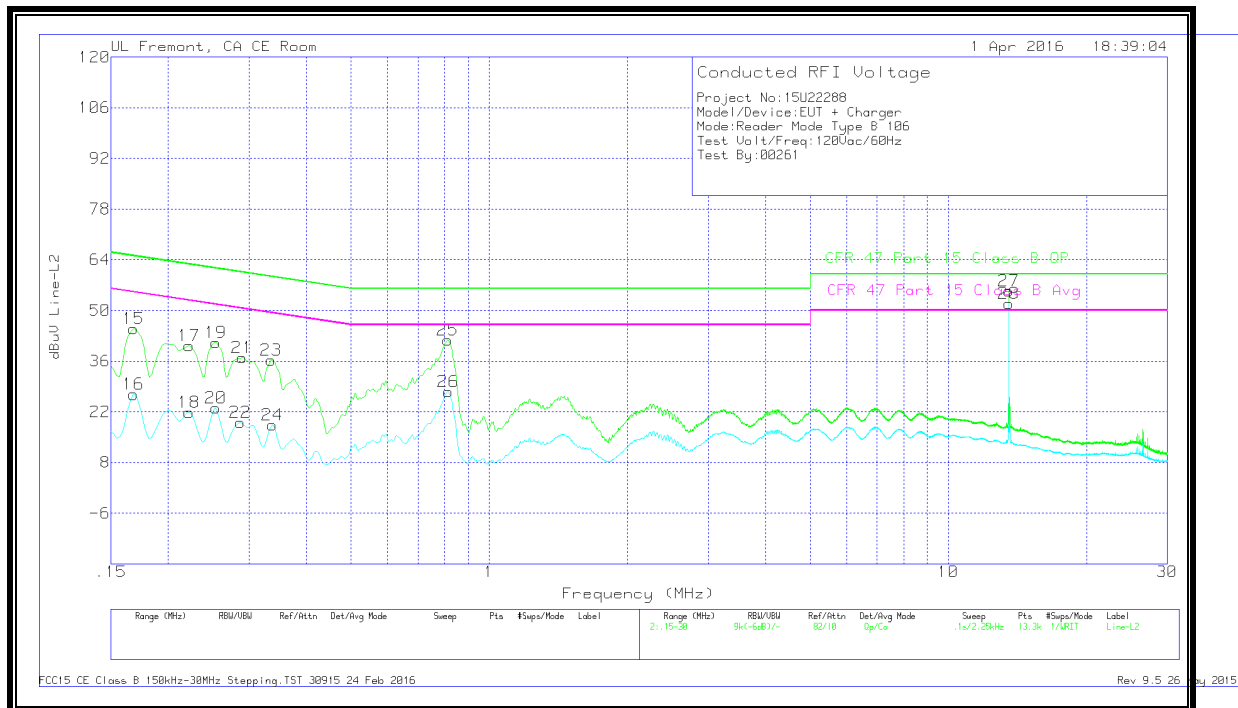
Ca - CISPR average detection

Note: 13.56MHz is a fundamental frequency of the EUT. Data under the following section indicate that when the antenna terminal is terminated the fundamental amplitude is lowering below the limit line.

LINE 1 RESULTS



LINE 2 RESULTS



9.5.8. WITH ANTENNA PORT TERMINATED, 106 KBPS

WORST EMISSIONS

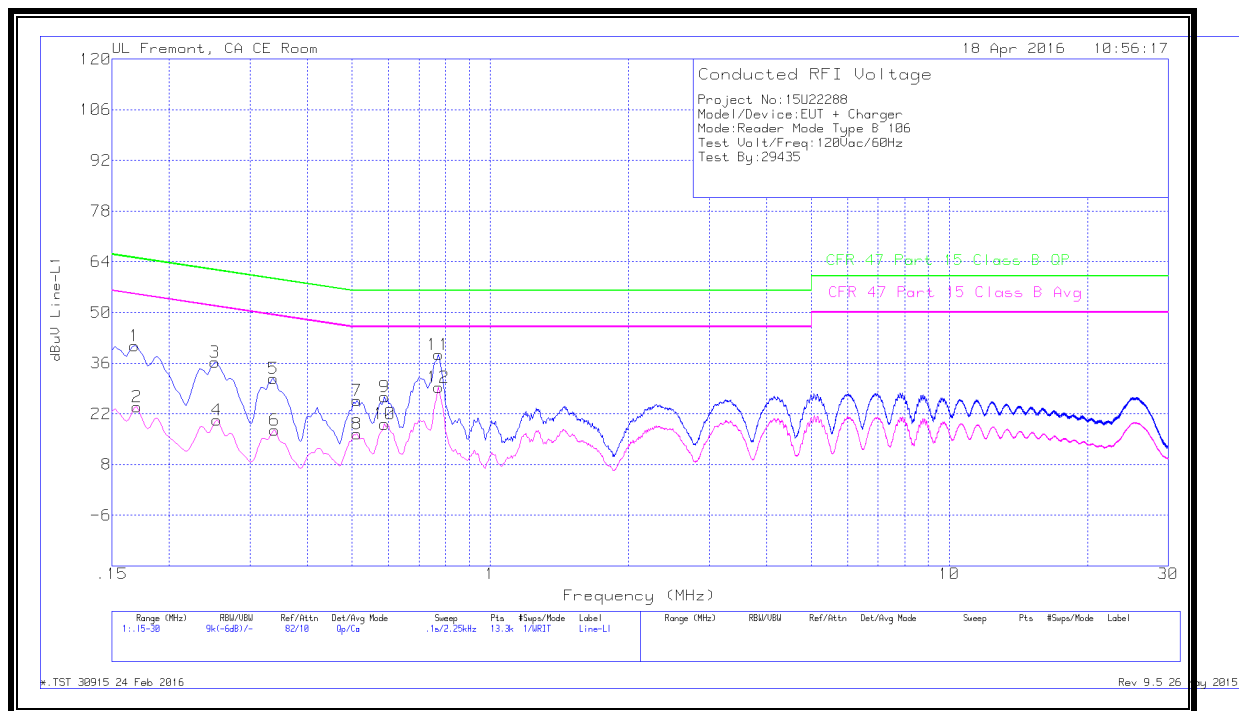
Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1	LC Cables 1&3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
1	.168	29.5	Qp	1.2	0	10.1	40.8	65.06	-24.26	-	-
2	.17025	12.55	Ca	1.2	0	10.1	23.85	-	-	54.95	-31.1
3	.25125	25.4	Qp	.7	0	10.1	36.2	61.72	-25.52	-	-
4	.2535	9.54	Ca	.7	0	10.1	20.34	-	-	51.64	-31.3
5	.33675	21.15	Qp	.5	0	10.1	31.75	59.28	-27.53	-	-
6	.339	6.82	Ca	.5	0	10.1	17.42	-	-	49.23	-31.81
7	.51225	15.19	Qp	.3	0	10.1	25.59	56	-30.41	-	-
8	.51225	6.04	Ca	.3	0	10.1	16.44	-	-	46	-29.56
9	.58875	16.24	Qp	.3	0	10.1	26.64	56	-29.36	-	-
10	.58875	8.75	Ca	.3	0	10.1	19.15	-	-	46	-26.85
11	.771	27.95	Qp	.3	0	10.1	38.35	56	-17.65	-	-
12	.771	18.96	Ca	.3	0	10.1	29.36	-	-	46	-16.64

Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2	LC Cables 2&3	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	30.03	Qp	1.3	0	10.1	41.43	65.06	-23.63	-	-
14	.168	12.42	Ca	1.3	0	10.1	23.82	-	-	55.06	-31.24
15	.25125	25.78	Qp	.7	0	10.1	36.58	61.72	-25.14	-	-
16	.2535	9.34	Ca	.7	0	10.1	20.14	-	-	51.64	-31.5
17	.33562	20.71	Qp	.5	0	10.1	31.31	59.31	-28	-	-
18	.33675	5.65	Ca	.5	0	10.1	16.25	-	-	49.28	-33.03
19	.51225	12.78	Qp	.4	0	10.1	23.28	56	-32.72	-	-
20	.51225	5.19	Ca	.4	0	10.1	15.69	-	-	46	-30.31
21	.59775	15.4	Qp	.3	0	10.1	25.8	56	-30.2	-	-
22	.59775	8.27	Ca	.3	0	10.1	18.67	-	-	46	-27.33
23	.76875	27.39	Qp	.3	0	10.1	37.79	56	-18.21	-	-
24	.771	19.44	Ca	.3	0	10.1	29.84	-	-	46	-16.16

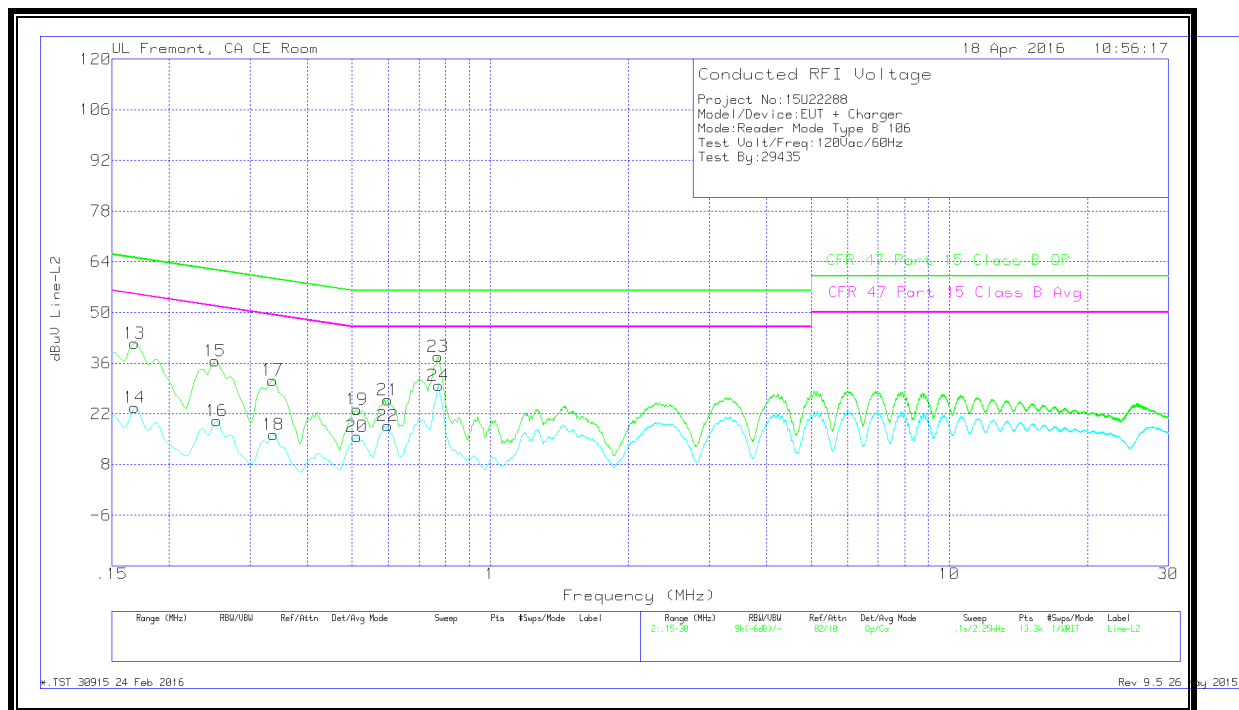
Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 1 RESULTS



LINE 2 RESULTS



9.6. READER MODE TYPE F, 424 KBPS

9.6.1. NORMAL OPERATION, 424 KBPS

6 WORST EMISSIONS

Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1	LC Cables 1&3	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	.168	32.45	Qp	1.2	0	10.1	43.75	65.06	-21.31	-	-
2	.168	15.55	Ca	1.2	0	10.1	26.85	-	-	55.06	-28.21
3	.19725	30.74	Qp	1	0	10.1	41.84	63.73	-21.89	-	-
4	.20175	13.7	Ca	.9	0	10.1	24.7	-	-	53.54	-28.84
5	.25125	29.58	Qp	.7	0	10.1	40.38	61.72	-21.34	-	-
6	.2535	13.86	Ca	.7	0	10.1	24.66	-	-	51.64	-26.98
7	.2895	25.56	Qp	.6	0	10.1	36.26	60.54	-24.28	-	-
8	.28725	10.29	Ca	.6	0	10.1	20.99	-	-	50.6	-29.61
9	.339	25.66	Qp	.5	0	10.1	36.26	59.23	-22.97	-	-
10	.33675	11.06	Ca	.5	0	10.1	21.66	-	-	49.28	-27.62
11	.81375	30.82	Qp	.3	0	10.1	41.22	56	-14.78	-	-
12	.81262	22.76	Ca	.3	0	10.1	33.16	-	-	46	-12.84
13	13.56	45.36	Qp	.2	.2	10.2	55.96	60	-4.04	-	-
14	13.56	42.19	Ca	.2	.2	10.2	52.79	-	-	50	2.79

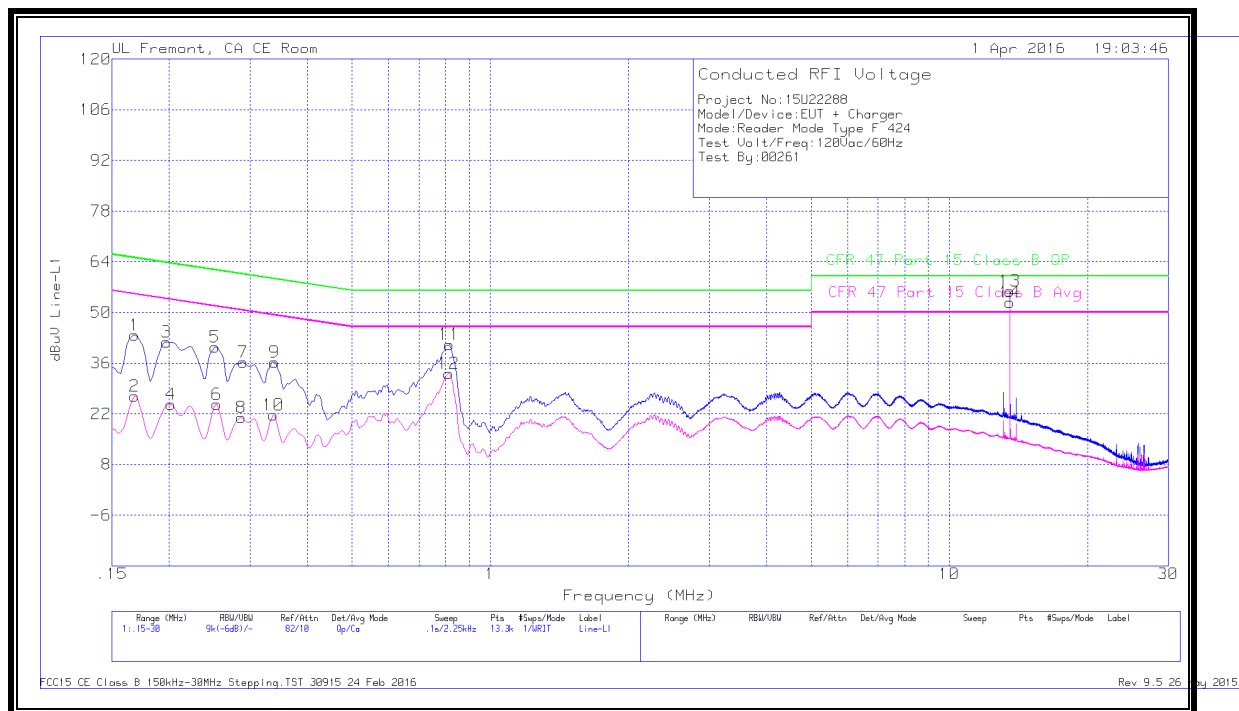
Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2	LC Cables 2&3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
15	.168	33.37	Qp	1.3	0	10.1	44.77	65.06	-20.29	-	-
16	.168	15.14	Ca	1.3	0	10.1	26.54	-	-	55.06	-28.52
17	.222	29.07	Qp	.9	0	10.1	40.07	62.74	-22.67	-	-
18	.222	10.79	Ca	.9	0	10.1	21.79	-	-	52.74	-30.95
19	.2535	30.31	Qp	.7	0	10.1	41.11	61.64	-20.53	-	-
20	.2535	11.98	Ca	.7	0	10.1	22.78	-	-	51.64	-28.86
21	.28725	26.3	Qp	.6	0	10.1	37	60.6	-23.6	-	-
22	.28725	8.14	Ca	.6	0	10.1	18.84	-	-	50.6	-31.76
23	.3345	25.51	Qp	.5	0	10.1	36.11	59.34	-23.23	-	-
24	.33675	7.56	Ca	.5	0	10.1	18.16	-	-	49.28	-31.12
25	.81487	30.95	Qp	.3	0	10.1	41.35	56	-14.65	-	-
26	.81375	16.79	Ca	.3	0	10.1	27.19	-	-	46	-18.81
27	13.56	44.97	Qp	.2	.2	10.2	55.57	60	-4.43	-	-
28	13.56	41.58	Ca	.2	.2	10.2	52.18	-	-	50	2.18

Qp - Quasi-Peak detector

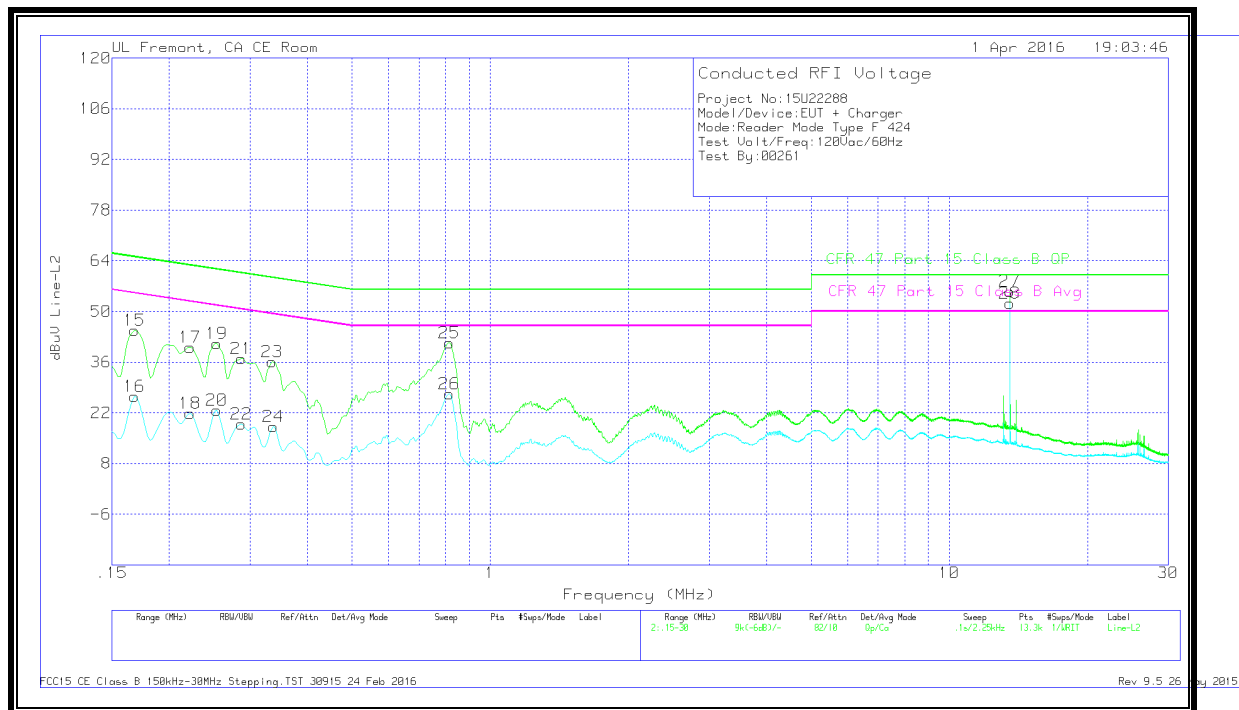
Ca - CISPR average detection

Note: 13.56MHz is a fundamental frequency of the EUT. Data under the following section indicate that when the antenna terminal is terminated the fundamental amplitude is lowering below the limit line.

LINE 1 RESULTS



LINE 2 RESULTS



9.6.2. WITH ANTENNA PORT TERMINATED, 424 KBPS

WORST EMISSIONS

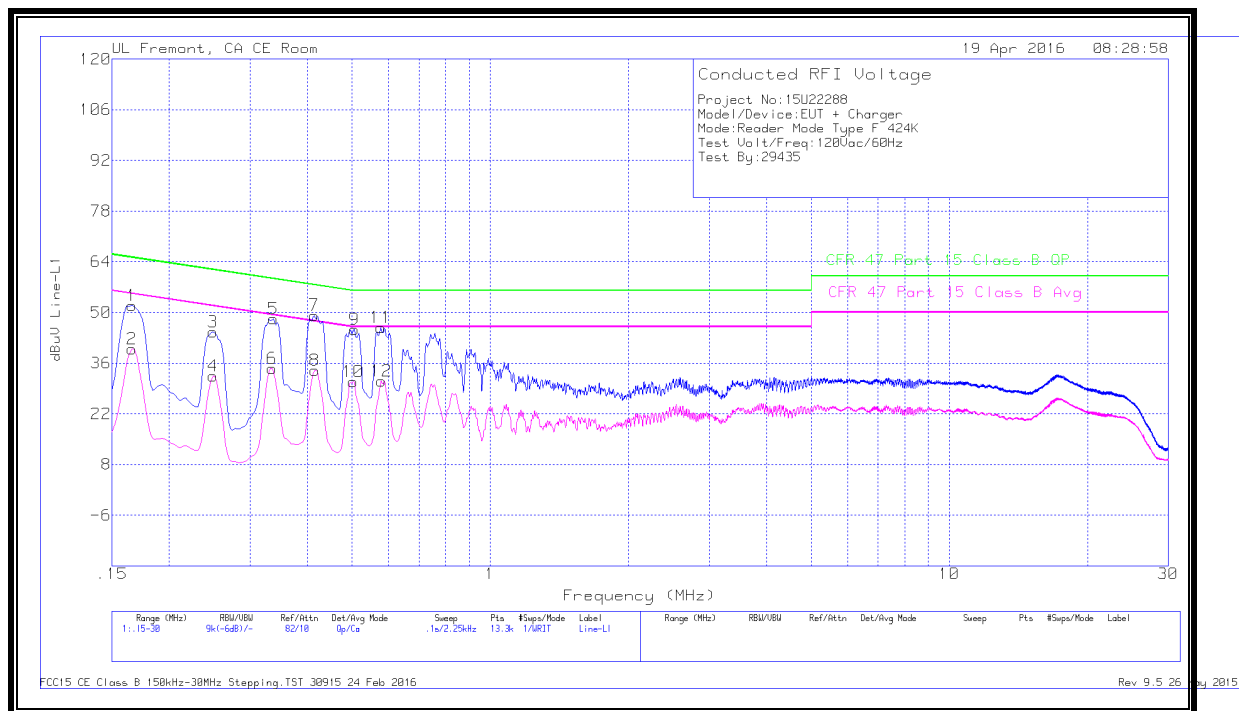
Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1	LC Cables 1&3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
1	.16575	40.59	Qp	1.2	0	10.1	51.89	65.17	-13.28	-	-
2	.16575	28.63	Ca	1.2	0	10.1	39.93	-	-	55.17	-15.24
3	.249	33.77	Qp	.7	0	10.1	44.57	61.79	-17.22	-	-
4	.249	21.68	Ca	.7	0	10.1	32.48	-	-	51.79	-19.31
5	.33675	37.66	Qp	.5	0	10.1	48.26	59.28	-11.02	-	-
6	.3345	24	Ca	.5	0	10.1	34.6	-	-	49.34	-14.74
7	.41325	38.71	Qp	.4	0	10.1	49.21	57.58	-8.37	-	-
8	.4155	23.5	Ca	.4	0	10.1	34	-	-	47.54	-13.54
9	.5055	34.98	Qp	.3	0	10.1	45.38	56	-10.62	-	-
10	.50325	20.42	Ca	.3	0	10.1	30.82	-	-	46	-15.18
11	.5775	35.48	Qp	.3	0	10.1	45.88	56	-10.12	-	-
12	.57975	20.72	Ca	.3	0	10.1	31.12	-	-	46	-14.88

Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2	LC Cables 2&3	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	.16575	41.51	Qp	1.3	0	10.1	52.91	65.17	-12.26	-	-
14	.16575	28.99	Ca	1.3	0	10.1	40.39	-	-	55.17	-14.78
15	.24675	32.01	Qp	.7	0	10.1	42.81	61.87	-19.06	-	-
16	.249	19.11	Ca	.7	0	10.1	29.91	-	-	51.79	-21.88
17	.3345	35.6	Qp	.5	0	10.1	46.2	59.34	-13.14	-	-
18	.33	21.52	Ca	.5	0	10.1	32.12	-	-	49.45	-17.33
19	.41775	36.19	Qp	.4	0	10.1	46.69	57.49	-10.8	-	-
20	.41325	21.07	Ca	.4	0	10.1	31.57	-	-	47.58	-16.01
21	.501	33.1	Qp	.4	0	10.1	43.6	56	-12.4	-	-
22	.501	17.43	Ca	.4	0	10.1	27.93	-	-	46	-18.07
23	.573	34.08	Qp	.3	0	10.1	44.48	56	-11.52	-	-
24	.57525	18.09	Ca	.3	0	10.1	28.49	-	-	46	-17.51

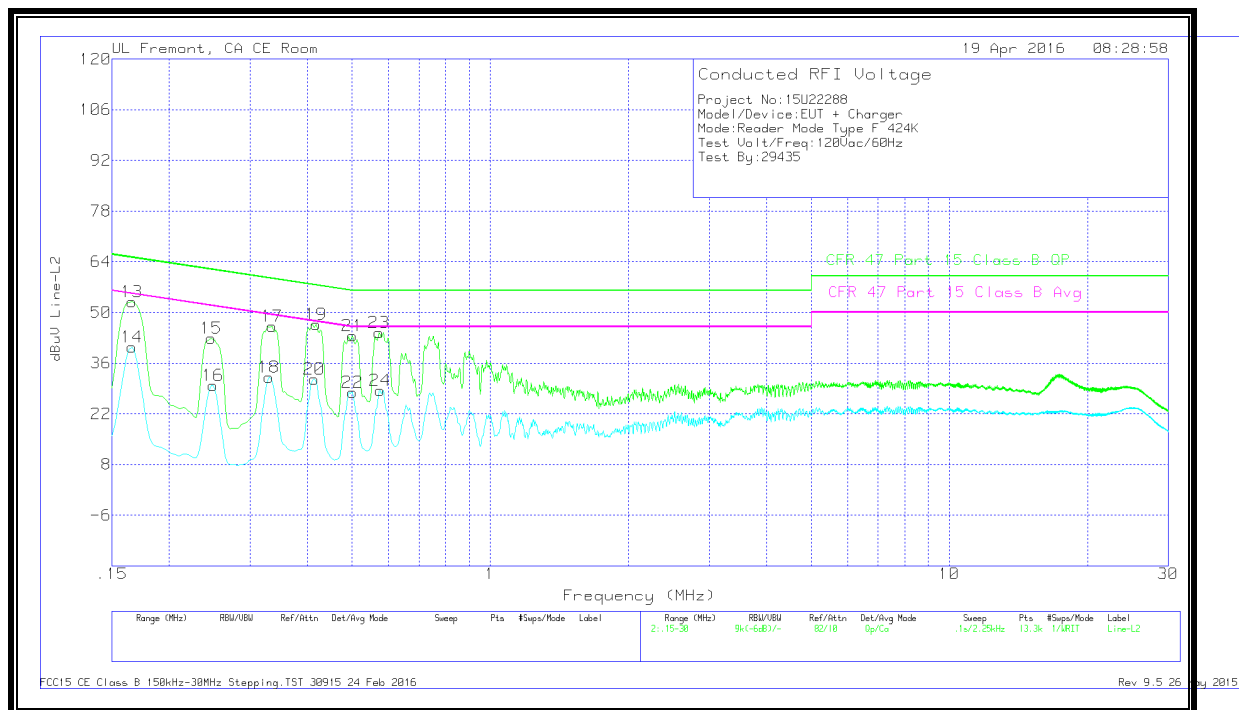
Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 1 RESULTS



LINE 2 RESULTS



9.6.3. NORMAL OPERATION, 212 KBPS

6 WORST EMISSIONS

Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1	LC Cables 1&3	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	.168	32.44	Qp	1.2	0	10.1	43.74	65.06	-21.32	-	-
2	.168	15.44	Ca	1.2	0	10.1	26.74	-	-	55.06	-28.32
3	.19725	30.84	Qp	1	0	10.1	41.94	63.73	-21.79	-	-
4	.20175	13.55	Ca	.9	0	10.1	24.55	-	-	53.54	-28.99
5	.25125	29.6	Qp	.7	0	10.1	40.4	61.72	-21.32	-	-
6	.2535	13.85	Ca	.7	0	10.1	24.65	-	-	51.64	-26.99
7	.285	25.31	Qp	.6	0	10.1	36.01	60.67	-24.66	-	-
8	.285	10.04	Ca	.6	0	10.1	20.74	-	-	50.67	-29.93
9	.339	25.64	Qp	.5	0	10.1	36.24	59.23	-22.99	-	-
10	.33675	11.08	Ca	.5	0	10.1	21.68	-	-	49.28	-27.6
11	.816	30.66	Qp	.3	0	10.1	41.06	56	-14.94	-	-
12	.81375	22.74	Ca	.3	0	10.1	33.14	-	-	46	-12.86
13	13.56	44.53	Qp	.2	.2	10.2	55.13	60	-4.87	-	-
14	13.56	40.95	Ca	.2	.2	10.2	51.55	-	-	50	1.55

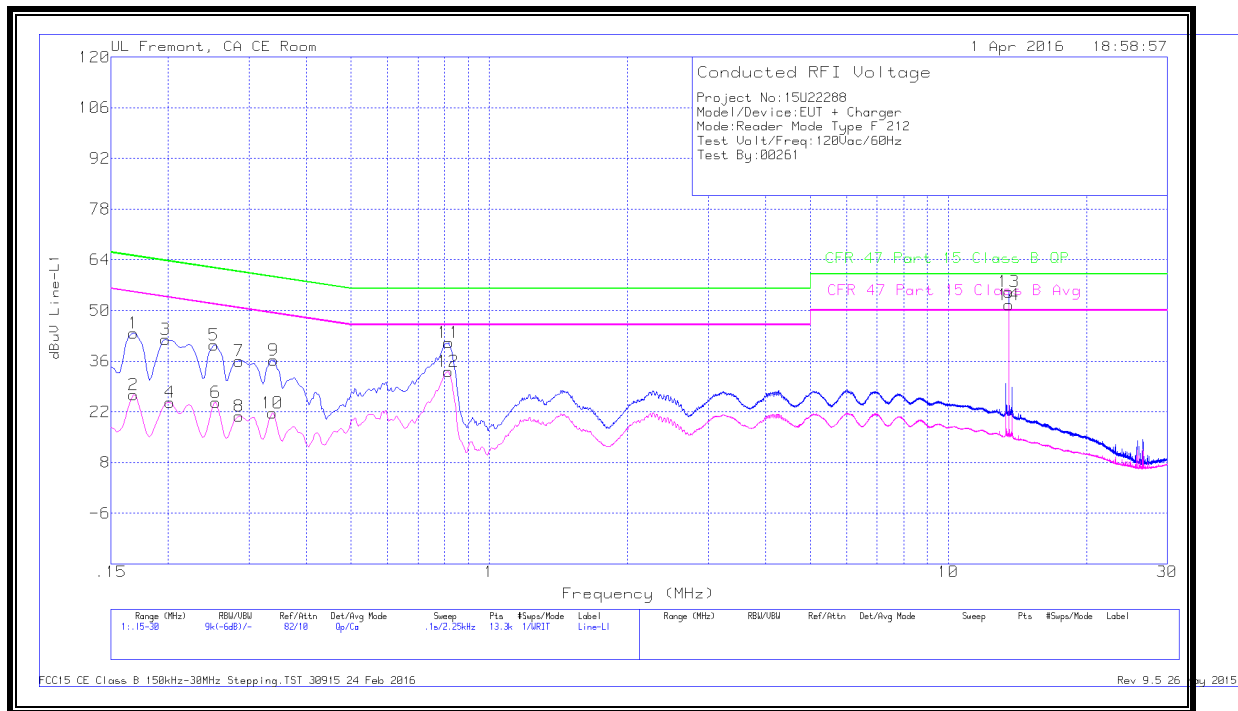
Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2	LC Cables 2&3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
15	.168	33.41	Qp	1.3	0	10.1	44.81	65.06	-20.25	-	-
16	.168	15.37	Ca	1.3	0	10.1	26.77	-	-	55.06	-28.29
17	.222	29.19	Qp	.9	0	10.1	40.19	62.74	-22.55	-	-
18	.222	10.87	Ca	.9	0	10.1	21.87	-	-	52.74	-30.87
19	.25125	30.31	Qp	.7	0	10.1	41.11	61.72	-20.61	-	-
20	.2535	12.17	Ca	.7	0	10.1	22.97	-	-	51.64	-28.67
21	.285	26.38	Qp	.6	0	10.1	37.08	60.67	-23.59	-	-
22	.285	8.4	Ca	.6	0	10.1	19.1	-	-	50.67	-31.57
23	.3345	25.55	Qp	.5	0	10.1	36.15	59.34	-23.19	-	-
24	.33675	7.75	Ca	.5	0	10.1	18.35	-	-	49.28	-30.93
25	.816	31.09	Qp	.3	0	10.1	41.49	56	-14.51	-	-
26	.81487	16.88	Ca	.3	0	10.1	27.28	-	-	46	-18.72
27	13.56	44.07	Qp	.2	.2	10.2	54.67	60	-5.33	-	-
28	13.56	40.34	Ca	.2	.2	10.2	50.94	-	-	50	.94

Qp - Quasi-Peak detector

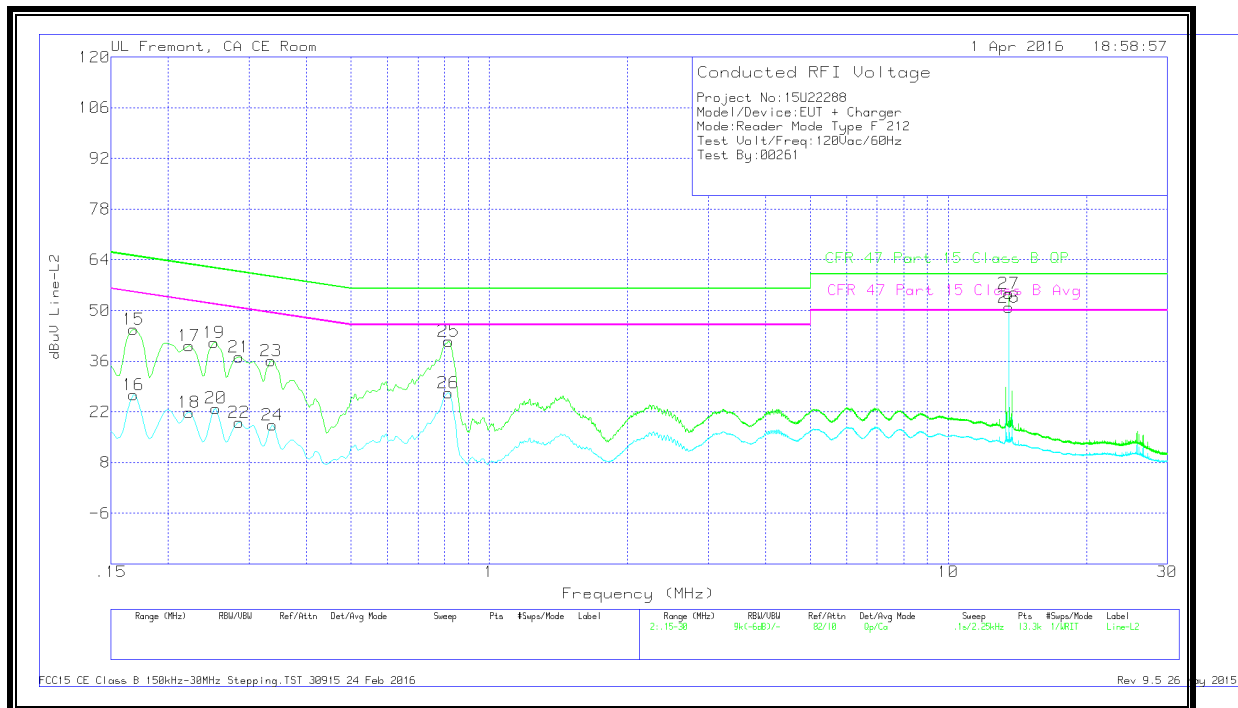
Ca - CISPR average detection

Note: 13.56MHz is a fundamental frequency of the EUT. Data under the following section indicate that when the antenna terminal is terminated the fundamental amplitude is lowering below the limit line.

LINE 1 RESULTS



LINE 2 RESULTS



9.6.4. WITH ANTENNA PORT TERMINATED, 212 KBPS

WORST EMISSIONS

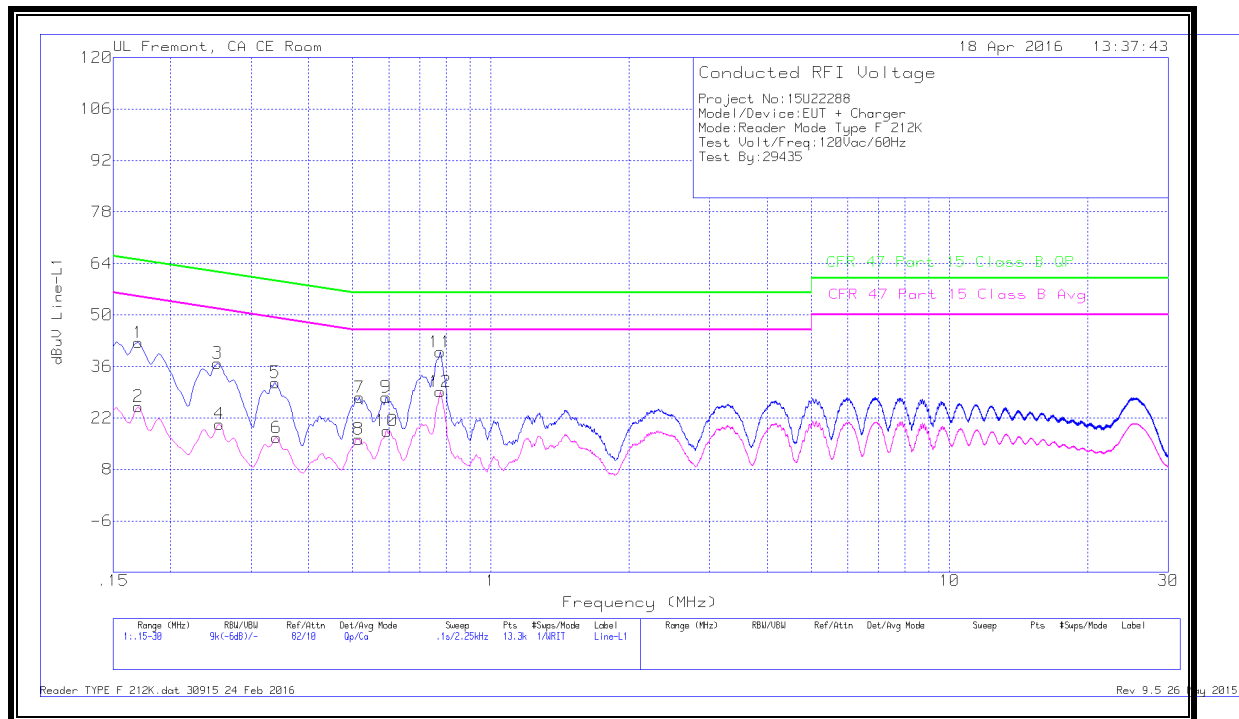
Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1	LC Cables 1&3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
1	.17025	31.19	Qp	1.2	0	10.1	42.49	64.95	-22.46	-	-
2	.17025	13.79	Ca	1.2	0	10.1	25.09	-	-	54.95	-29.86
3	.2535	26.1	Qp	.7	0	10.1	36.9	61.64	-24.74	-	-
4	.25575	9.52	Ca	.7	0	10.1	20.32	-	-	51.57	-31.25
5	.339	21	Qp	.5	0	10.1	31.6	59.23	-27.63	-	-
6	.34125	6.06	Ca	.5	0	10.1	16.66	-	-	49.17	-32.51
7	.51675	17.19	Qp	.3	0	10.1	27.59	56	-28.41	-	-
8	.5145	5.81	Ca	.3	0	10.1	16.21	-	-	46	-29.79
9	.591	17.25	Qp	.3	0	10.1	27.65	56	-28.35	-	-
10	.59325	8.07	Ca	.3	0	10.1	18.47	-	-	46	-27.53
11	.7755	29.48	Qp	.3	0	10.1	39.88	56	-16.12	-	-
12	.7755	18.73	Ca	.3	0	10.1	29.13	-	-	46	-16.87

Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2	LC Cables 2&3	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	.17025	31.43	Qp	1.2	0	10.1	42.73	64.95	-22.22	-	-
14	.17025	14.03	Ca	1.2	0	10.1	25.33	-	-	54.95	-29.62
15	.2535	26.32	Qp	.7	0	10.1	37.12	61.64	-24.52	-	-
16	.25575	10.03	Ca	.7	0	10.1	20.83	-	-	51.57	-30.74
17	.33675	20.77	Qp	.5	0	10.1	31.37	59.28	-27.91	-	-
18	.339	6.13	Ca	.5	0	10.1	16.73	-	-	49.23	-32.5
19	.5145	15.74	Qp	.4	0	10.1	26.24	56	-29.76	-	-
20	.5145	6.48	Ca	.4	0	10.1	16.98	-	-	46	-29.02
21	.58875	16.56	Qp	.3	0	10.1	26.96	56	-29.04	-	-
22	.591	9.04	Ca	.3	0	10.1	19.44	-	-	46	-26.56
23	.77325	29.02	Qp	.3	0	10.1	39.42	56	-16.58	-	-
24	.77325	20.36	Ca	.3	0	10.1	30.76	-	-	46	-15.24

Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 1 RESULTS



LINE 2 RESULTS

