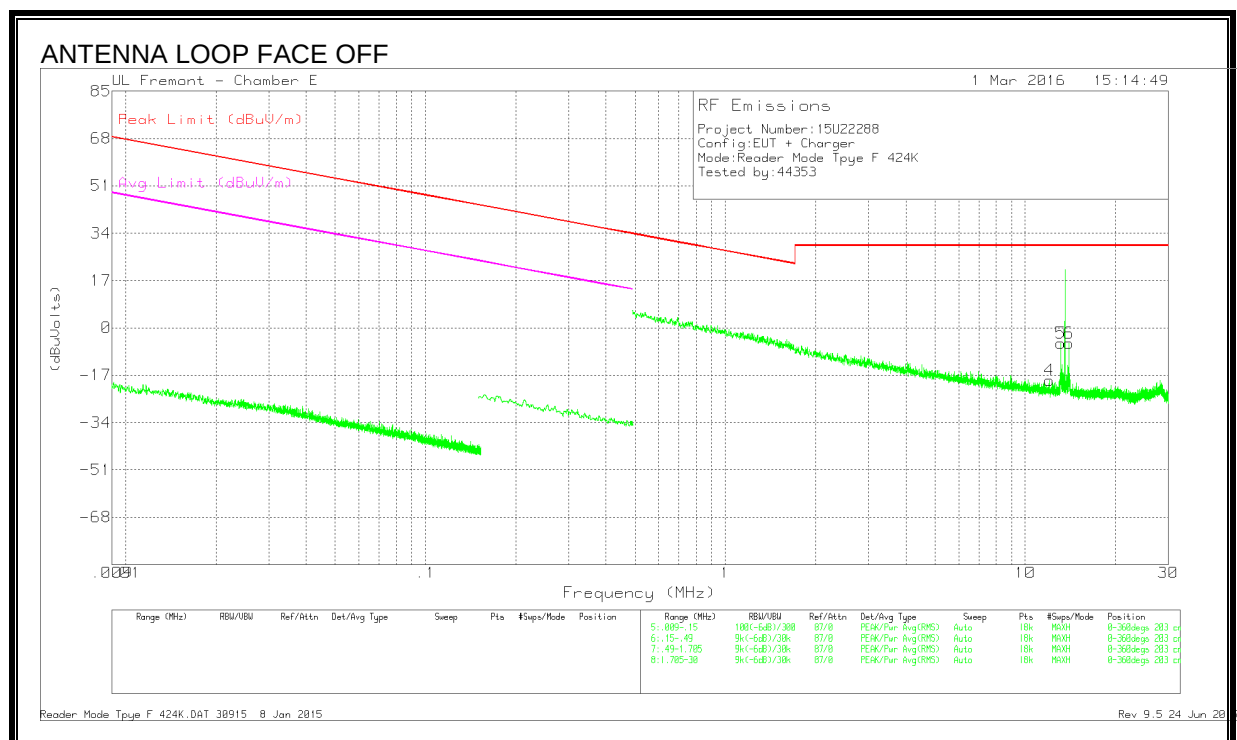
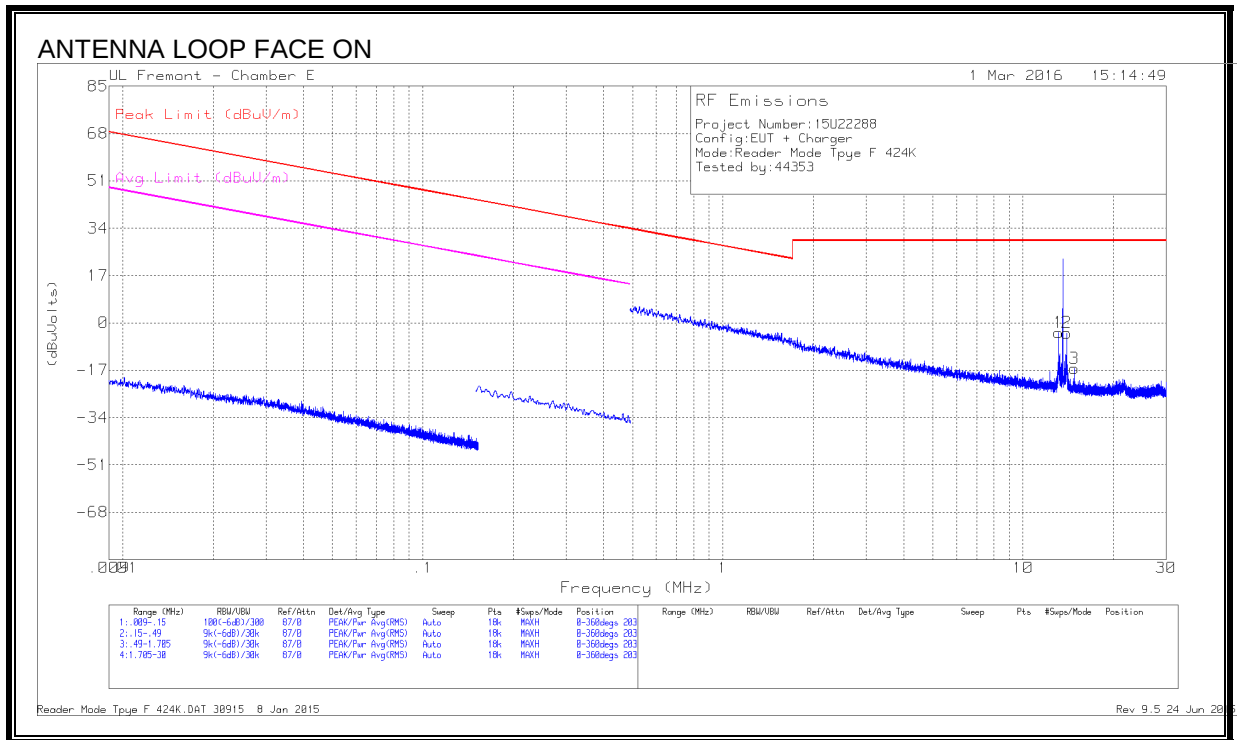


SPURIOUS EMISSION

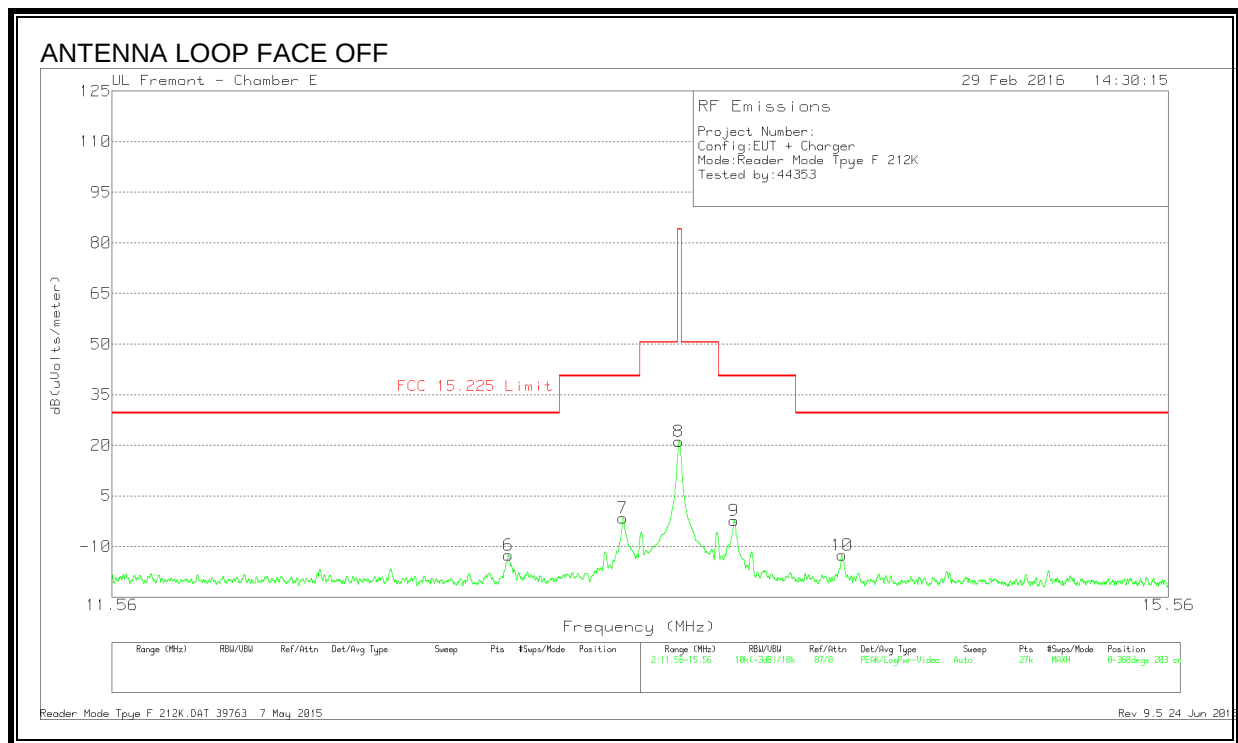
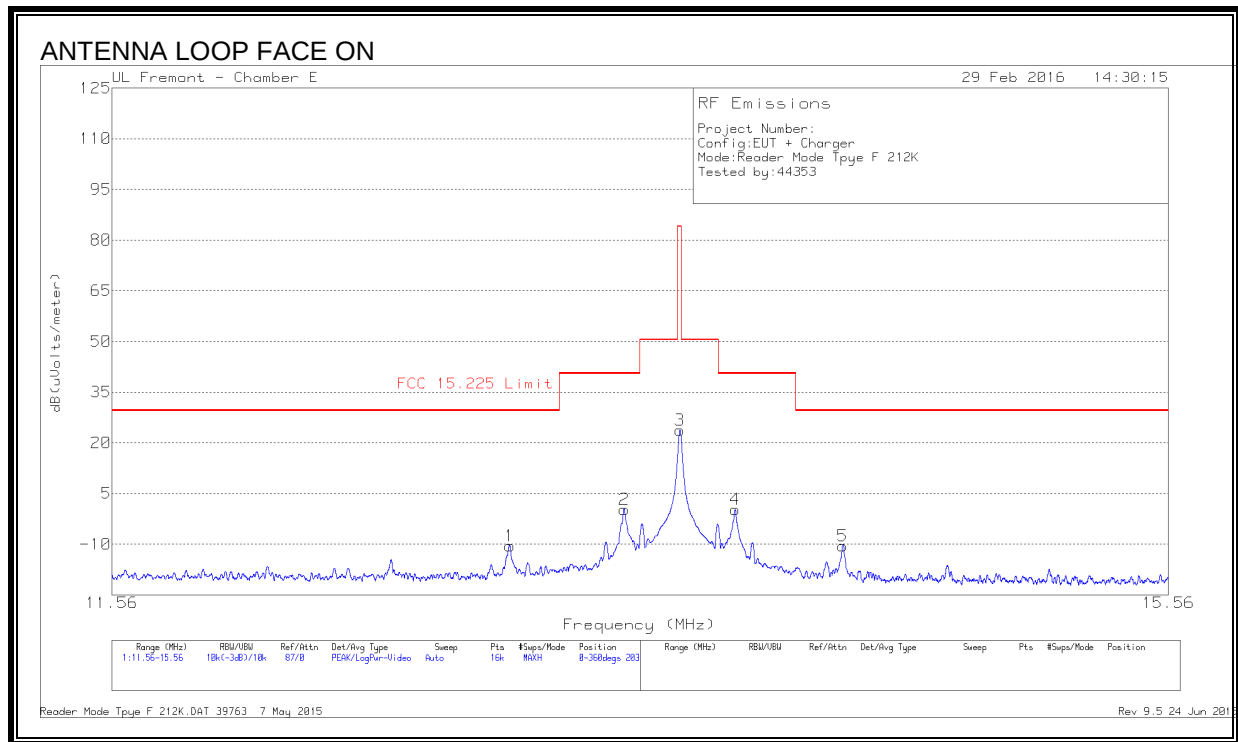


DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cbl (dB)	Dist Corr 30m	Corrected Reading (dBuVolts)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
4	12.06448	10.07	Pk	10.4	.6	-40	-18.93	29.54	-48.47	-	-	0-360
1	13.13658	25.61	Pk	10.4	.6	-40	-3.39	29.54	-32.93	-	-	0-360
5	13.13658	23.48	Pk	10.4	.6	-40	-5.52	29.54	-35.06	-	-	0-360
2	13.98389	25.5	Pk	10.3	.6	-40	-3.6	29.54	-33.14	-	-	0-360
6	13.98546	23.53	Pk	10.3	.6	-40	-5.57	29.54	-35.11	-	-	0-360
3	14.83199	12.74	Pk	10.3	.6	-40	-16.36	29.54	-45.9	-	-	0-360

Pk - Peak detector

TYPE F 212Kbps FUNDAMENTAL

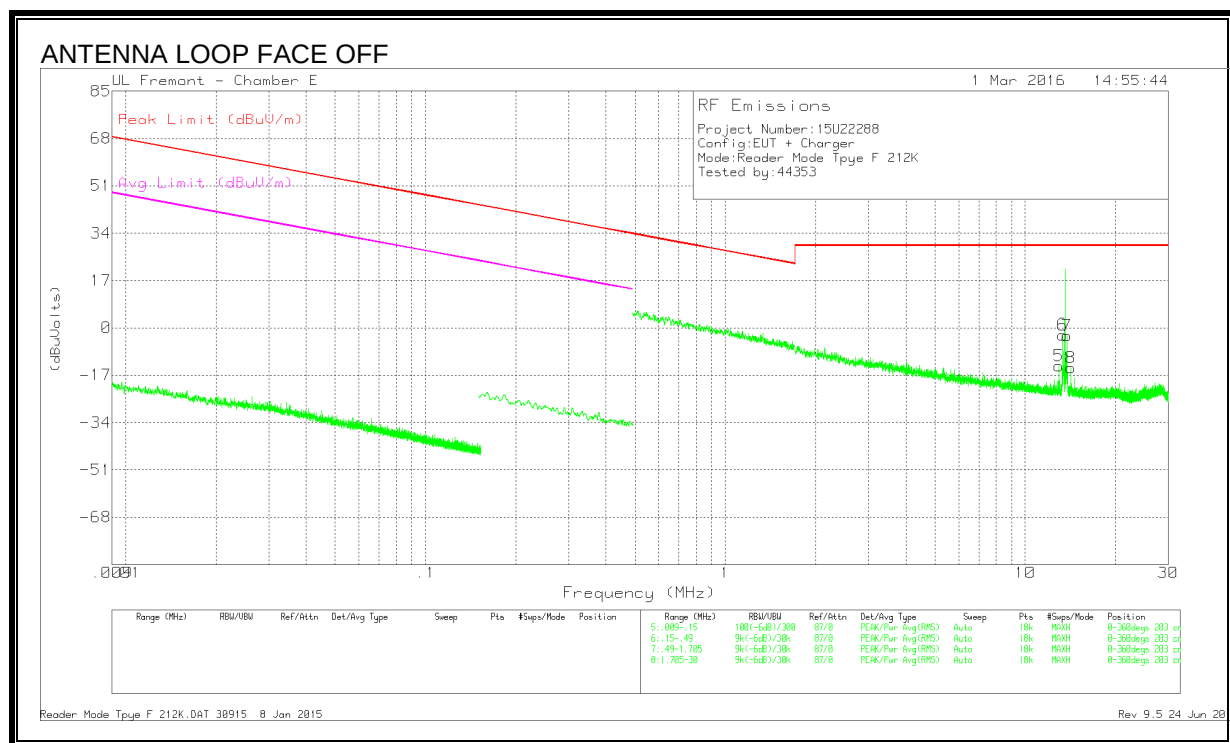
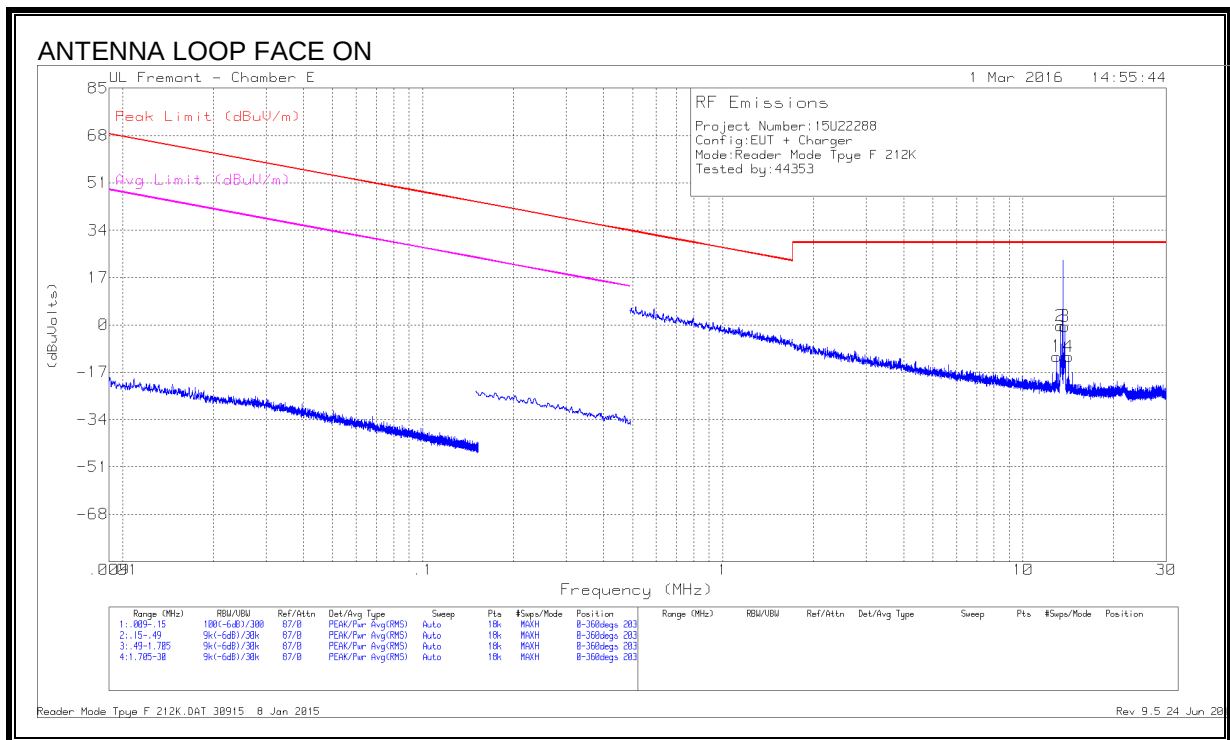


DATA

Marker	Frequenc y (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cbl (dB)	Dist Corr 30m	Corrected Reading dB(uVolts /meter)	FCC 15.225 Limit	Margin (dB)	Azimuth (Degs)
6	12.92449	16.5	Pk	10.4	.6	-40	-12.5	29.54	-42.04	0-360
1	12.9295	18.46	Pk	10.4	.6	-40	-10.54	29.54	-40.08	0-360
7	13.3471	27.34	Pk	10.4	.6	-40	-1.66	40.51	-42.17	0-360
2	13.35225	29.28	Pk	10.4	.6	-40	.28	40.51	-40.23	0-360
8	13.55874	50.05	Pk	10.4	.6	-40	21.05	84	-62.95	0-360
3	13.563	52.7	Pk	10.4	.6	-40	23.7	84	-60.3	0-360
9	13.77127	26.74	Pk	10.3	.6	-40	-2.36	40.51	-42.87	0-360
4	13.77425	29.32	Pk	10.3	.6	-40	.22	40.51	-40.29	0-360
10	14.19492	16.47	Pk	10.3	.6	-40	-12.63	29.54	-42.17	0-360
5	14.197	18.5	Pk	10.3	.6	-40	-10.6	29.54	-40.14	0-360

Pk - Peak detector

SPURIOUS EMISSION



DATA

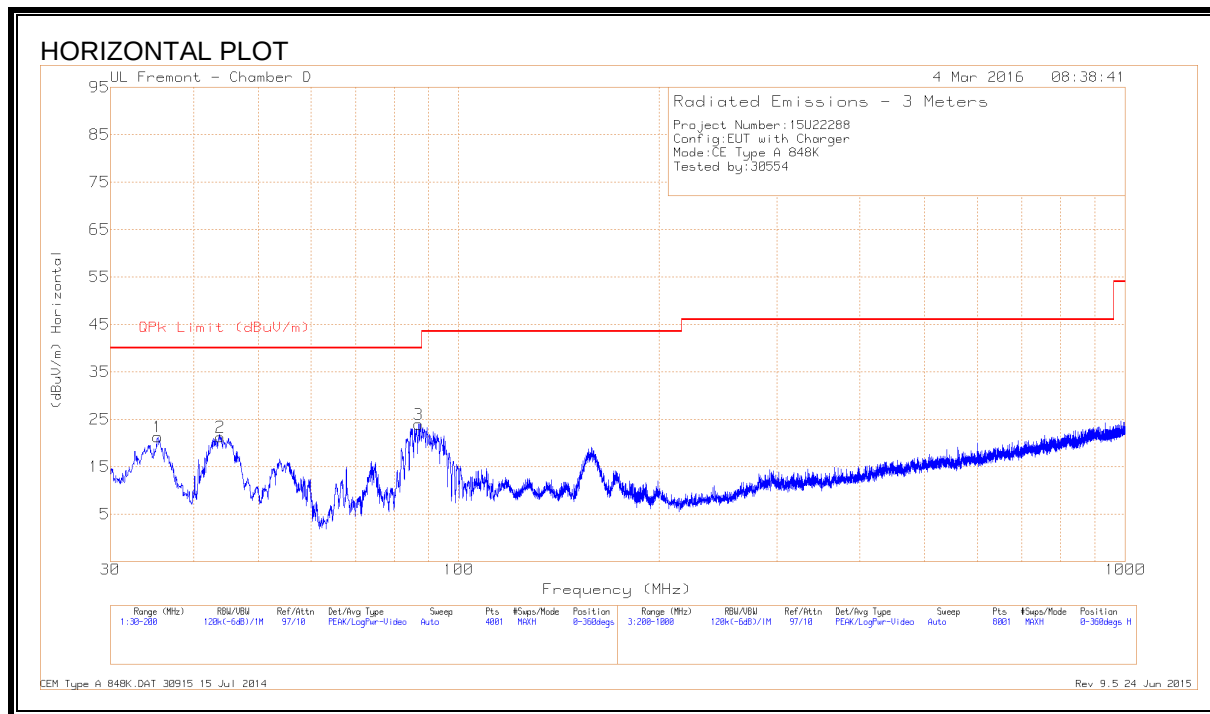
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cbl (dB)	Dist Corr 30m	Corrected Reading (dBuVolts)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
1	12.92515	17.71	Pk	10.4	.6	-40	-11.29	29.54	-40.83	-	-	0-360
5	12.92515	15.34	Pk	10.4	.6	-40	-13.66	29.54	-43.2	-	-	0-360
2	13.3488	28.74	Pk	10.4	.6	-40	-.26	29.54	-29.8	-	-	0-360
6	13.3488	26.52	Pk	10.4	.6	-40	-2.48	29.54	-32.02	-	-	0-360
3	13.77324	28.65	Pk	10.3	.6	-40	-.45	29.54	-29.99	-	-	0-360
7	13.77324	26.27	Pk	10.3	.6	-40	-2.83	29.54	-32.37	-	-	0-360
8	14.19611	14.71	Pk	10.3	.6	-40	-14.39	29.54	-43.93	-	-	0-360
4	14.1969	17.78	Pk	10.3	.6	-40	-11.32	29.54	-40.86	-	-	0-360

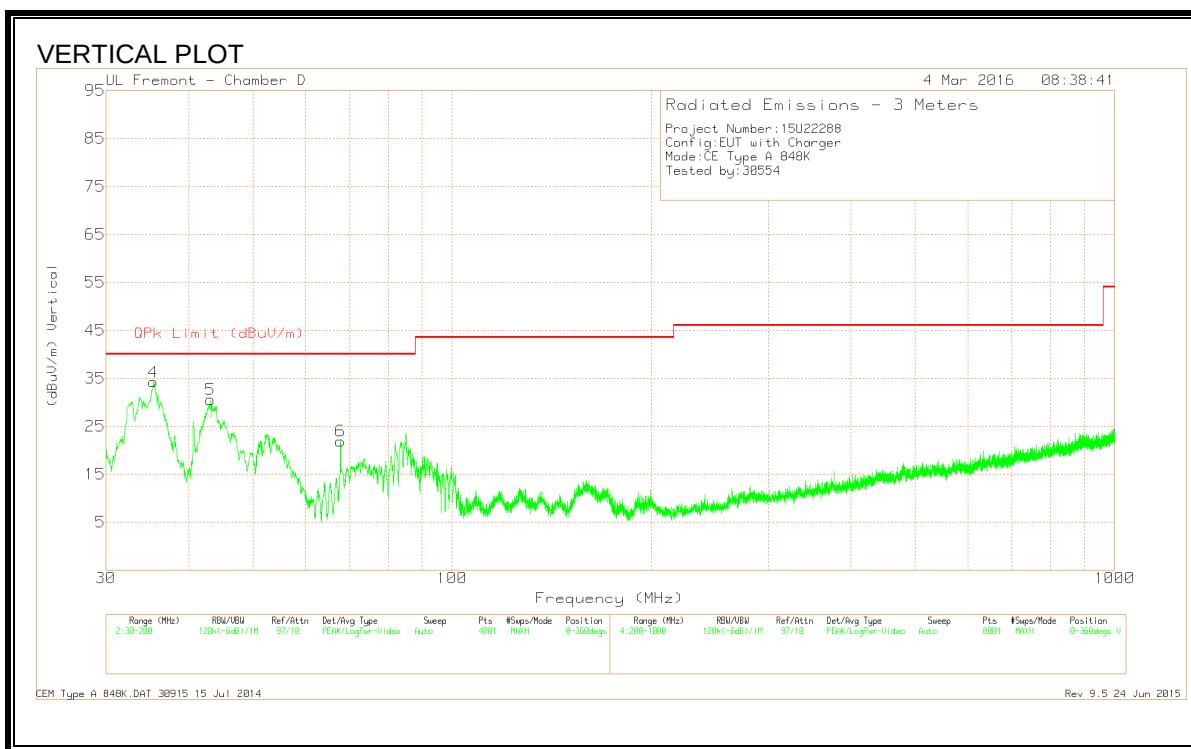
Pk - Peak detector

8.3. TX SPURIOUS EMISSION 30 TO 1000 MHz

8.3.1. CE MODE

TYPE A 848Kbps





RESULTS

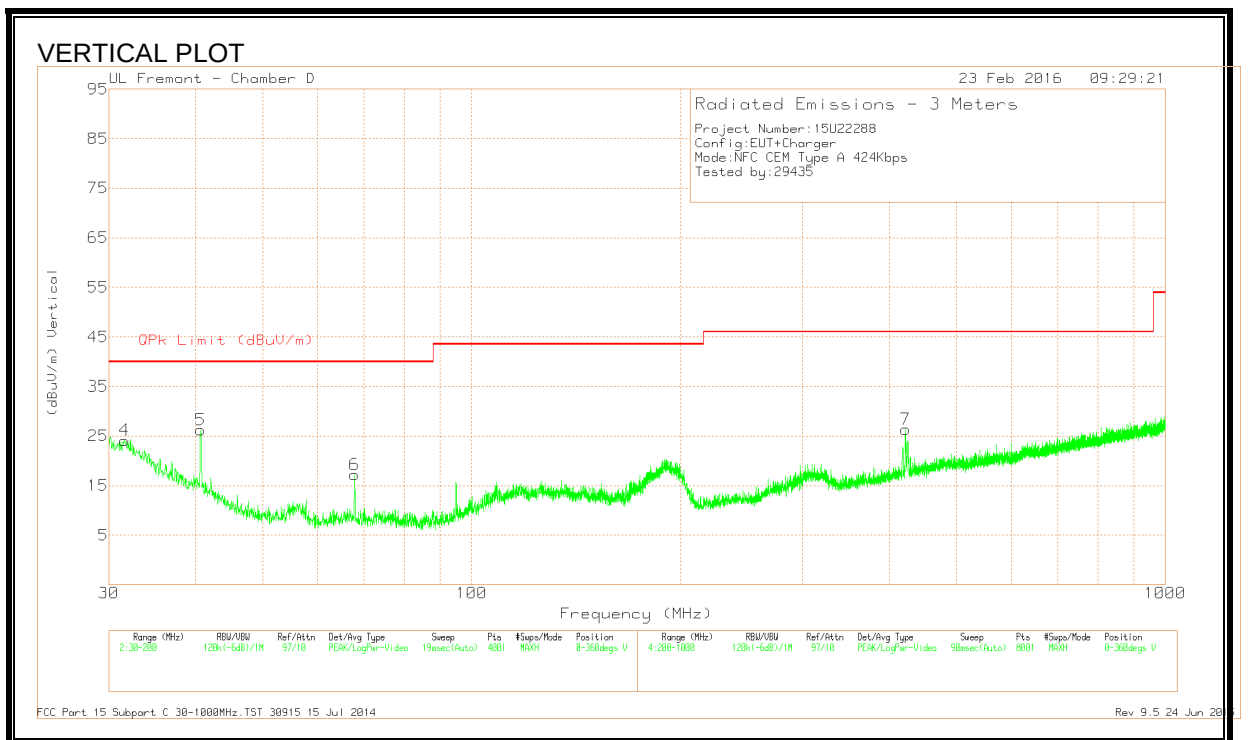
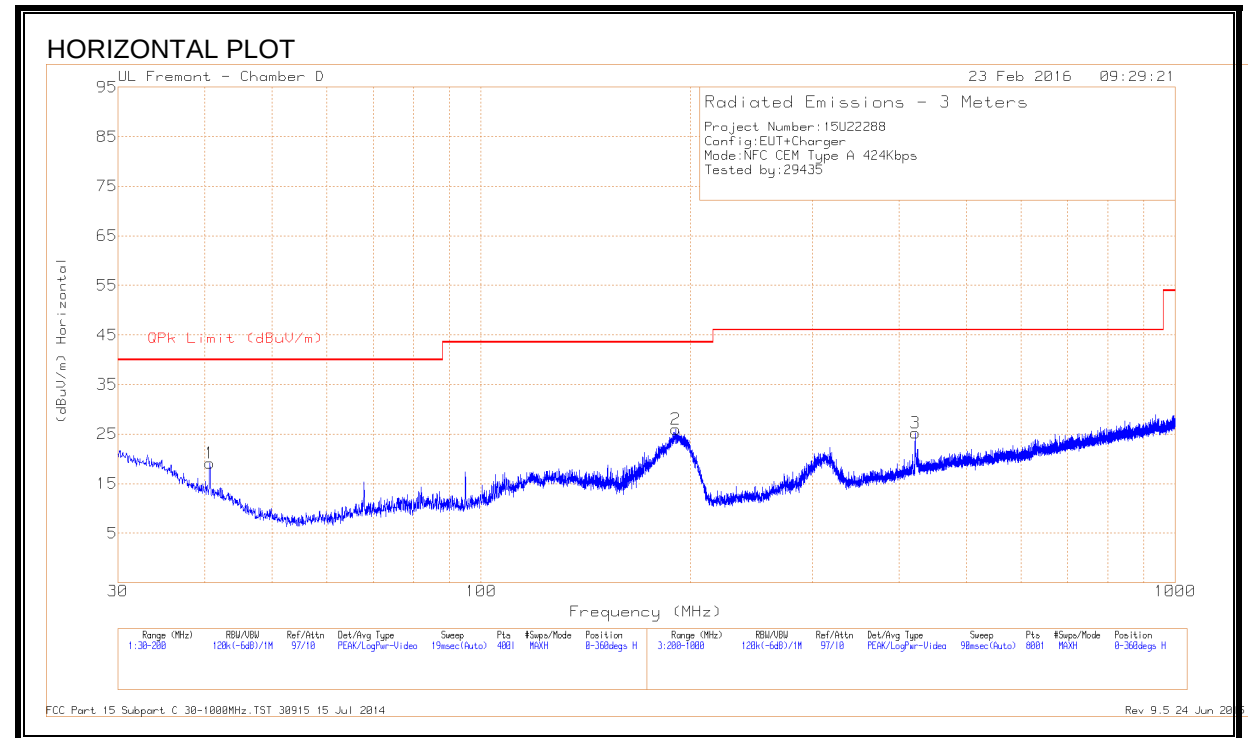
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T122 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	35.355	35.99	Pk	17.1	-31.8	21.29	40	-18.71	0-360	401	H
4	35.3675	43.25	Qp	17.1	-31.8	28.55	40	-11.45	234	119	V
5	43.1325	50.44	Pk	11.8	-31.7	30.54	40	-9.46	0-360	100	V
2	43.8975	41.67	Pk	11.3	-31.7	21.27	40	-18.73	0-360	401	H
6	67.825	45.2	Pk	8.2	-31.5	21.9	40	-18.1	0-360	100	V
3	87.12	47.53	Pk	7.7	-31.3	23.93	40	-16.07	0-360	201	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

Qp - Quasi-Peak detector

424Kbps

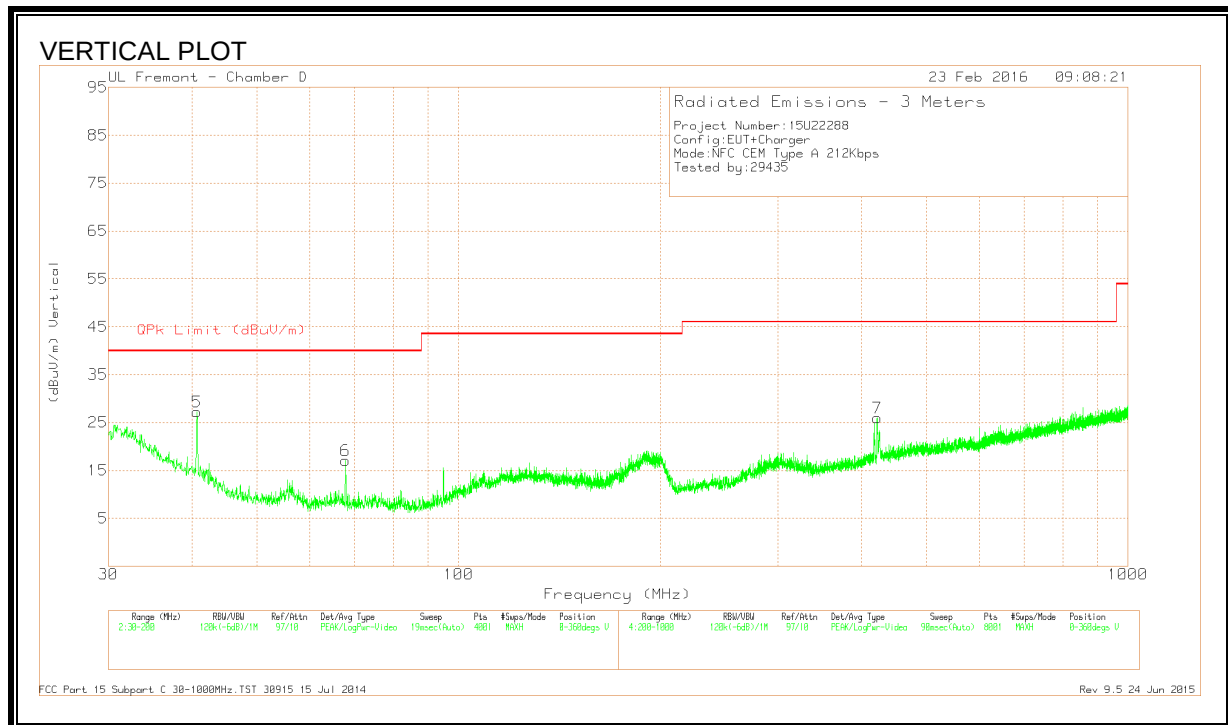
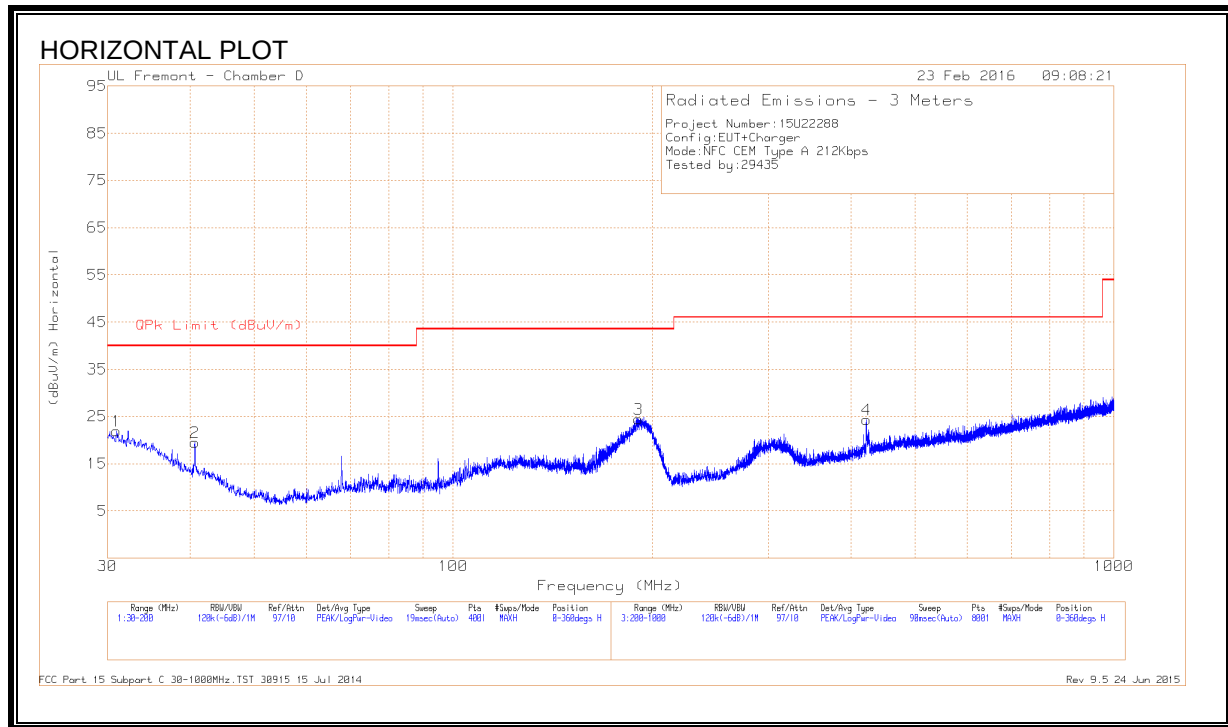


DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T408 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	31.615	31.94	Pk	24.1	-31.9	24.14	40	-15.86	0-360	100	V
1	40.71	33.47	Pk	17.4	-31.8	19.07	40	-20.93	0-360	401	H
5	40.71	40.67	Pk	17.4	-31.8	26.27	40	-13.73	0-360	100	V
6	67.825	36.69	Pk	12	-31.5	17.19	40	-22.81	0-360	100	V
2	190.65	41.47	Pk	15.3	-30.8	25.97	43.52	-17.55	0-360	100	H
7	422.2	36.03	Pk	20.2	-29.9	26.33	46.02	-19.69	0-360	201	V
3	422.7	34.83	Pk	20.3	-29.9	25.23	46.02	-20.79	0-360	201	H

Pk - Peak detector

212Kbps

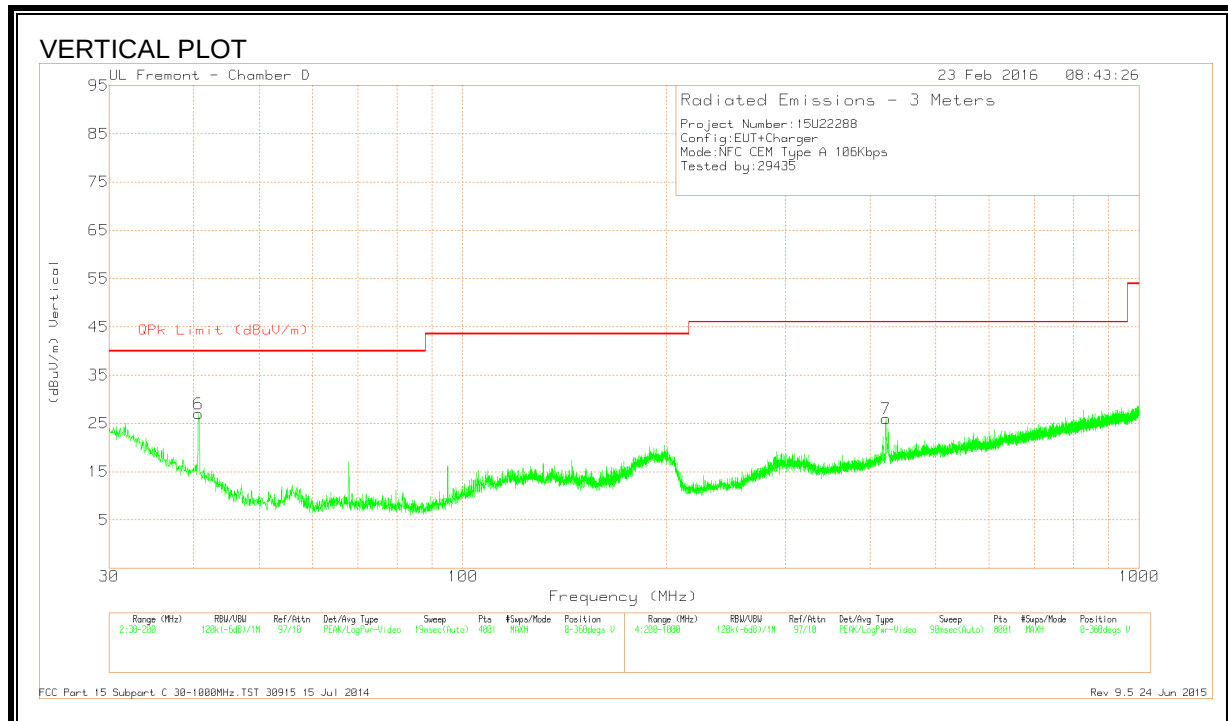
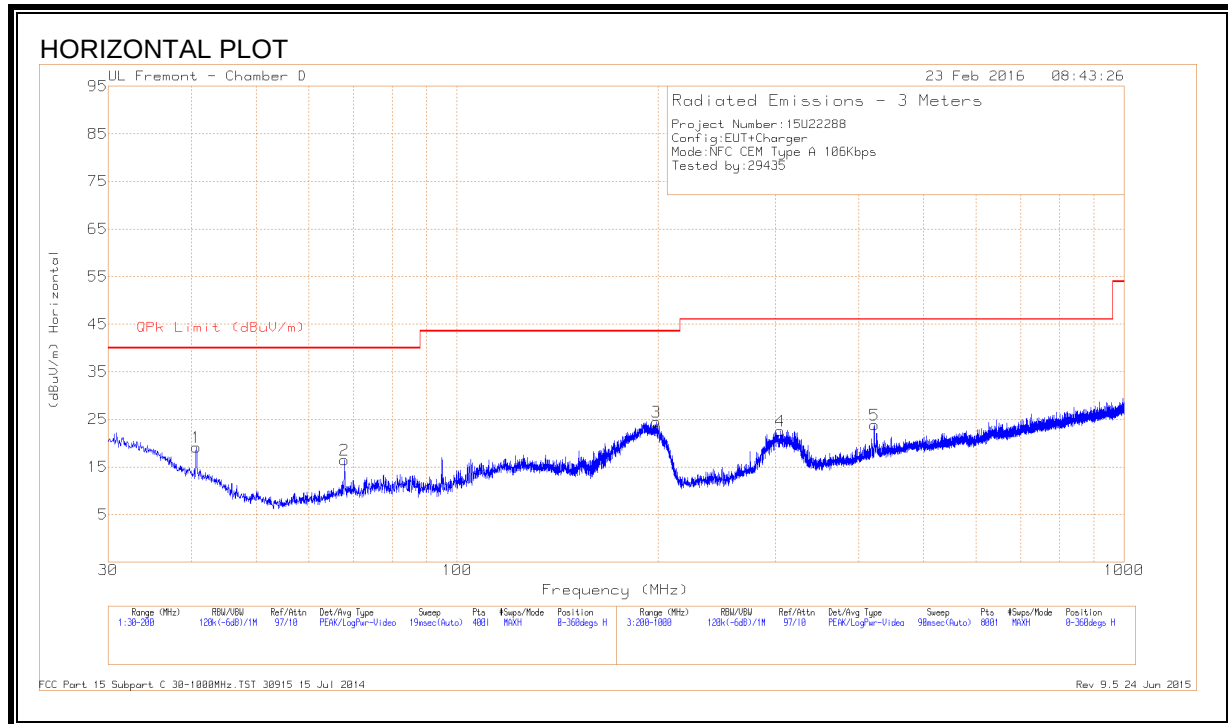


DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T408 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	30.935	29.06	Pk	24.8	-31.9	21.96	40	-18.04	0-360	201	H
5	40.6675	41.67	Pk	17.4	-31.8	27.27	40	-12.73	0-360	102	V
2	40.71	33.94	Pk	17.4	-31.8	19.54	40	-20.46	0-360	301	H
6	67.7825	36.6	Pk	12	-31.5	17.1	40	-22.9	0-360	102	V
3	190.82	39.99	Pk	15.3	-30.8	24.49	43.52	-19.03	0-360	100	H
7	422.1	35.65	Pk	20.2	-29.9	25.95	46.02	-20.07	0-360	201	V
4	422.2	34.07	Pk	20.2	-29.9	24.37	46.02	-21.65	0-360	301	H

Pk - Peak detector

106Kbps

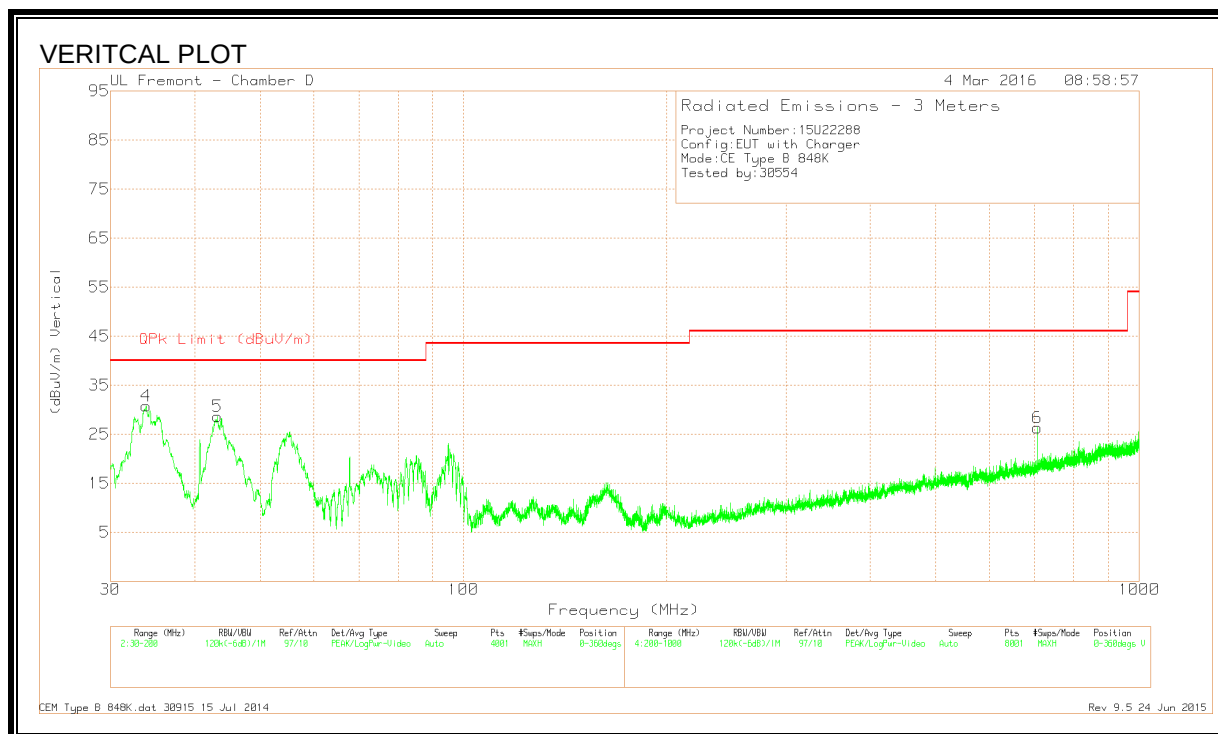
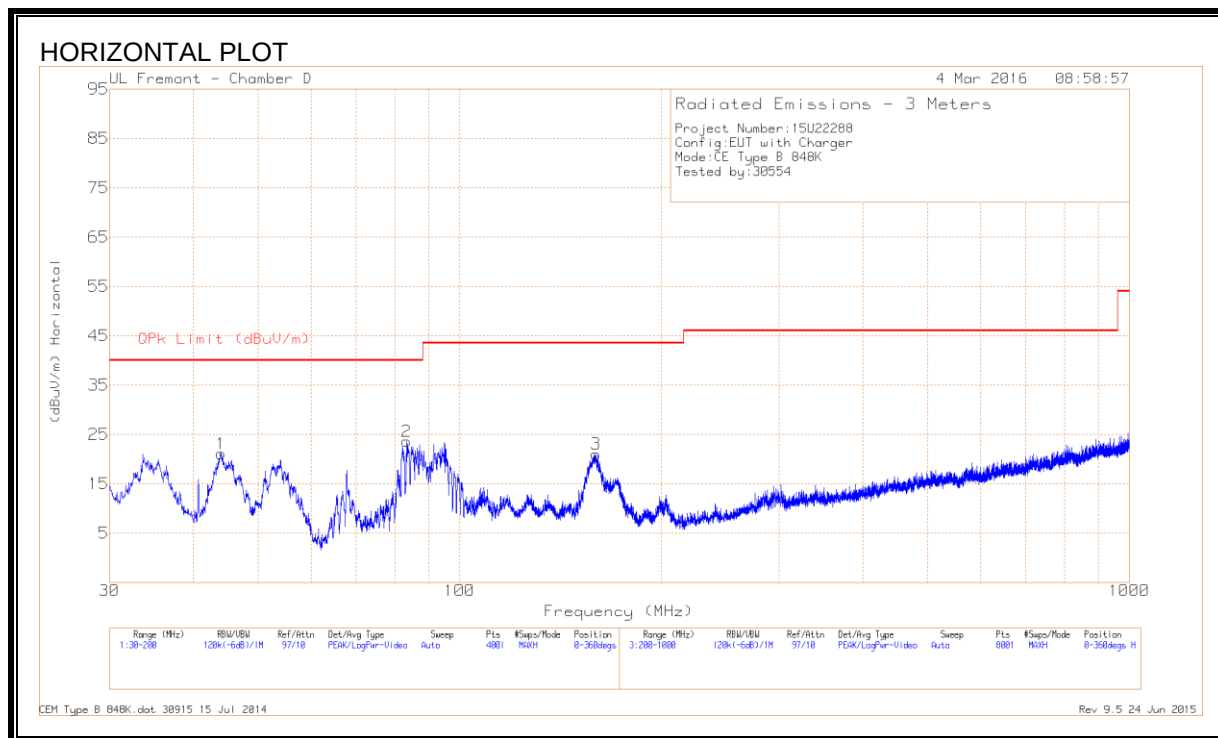


DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T408 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	40.6675	33.5	Pk	17.4	-31.8	19.1	40	-20.9	0-360	401	H
6	40.71	41.34	Pk	17.4	-31.8	26.94	40	-13.06	0-360	100	V
2	67.825	35.99	Pk	12	-31.5	16.49	40	-23.51	0-360	201	H
3	198.895	38.93	Pk	16.3	-30.8	24.43	43.52	-19.09	0-360	100	H
4	304.9	35.32	Pk	17.5	-30.3	22.52	46.02	-23.5	0-360	100	H
5	422.2	33.53	Pk	20.2	-29.9	23.83	46.02	-22.19	0-360	201	H
7	422.2	35.67	Pk	20.2	-29.9	25.97	46.02	-20.05	0-360	301	V

Pk - Peak detector

TYPE B 848Kbps

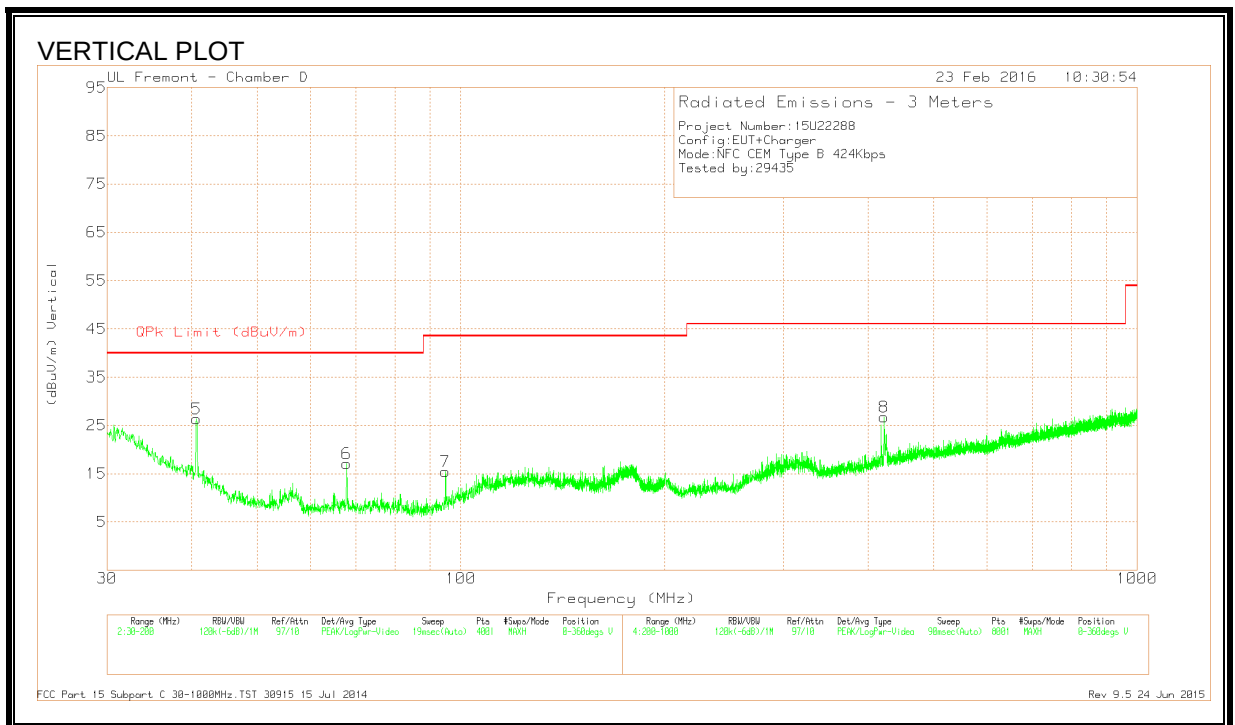
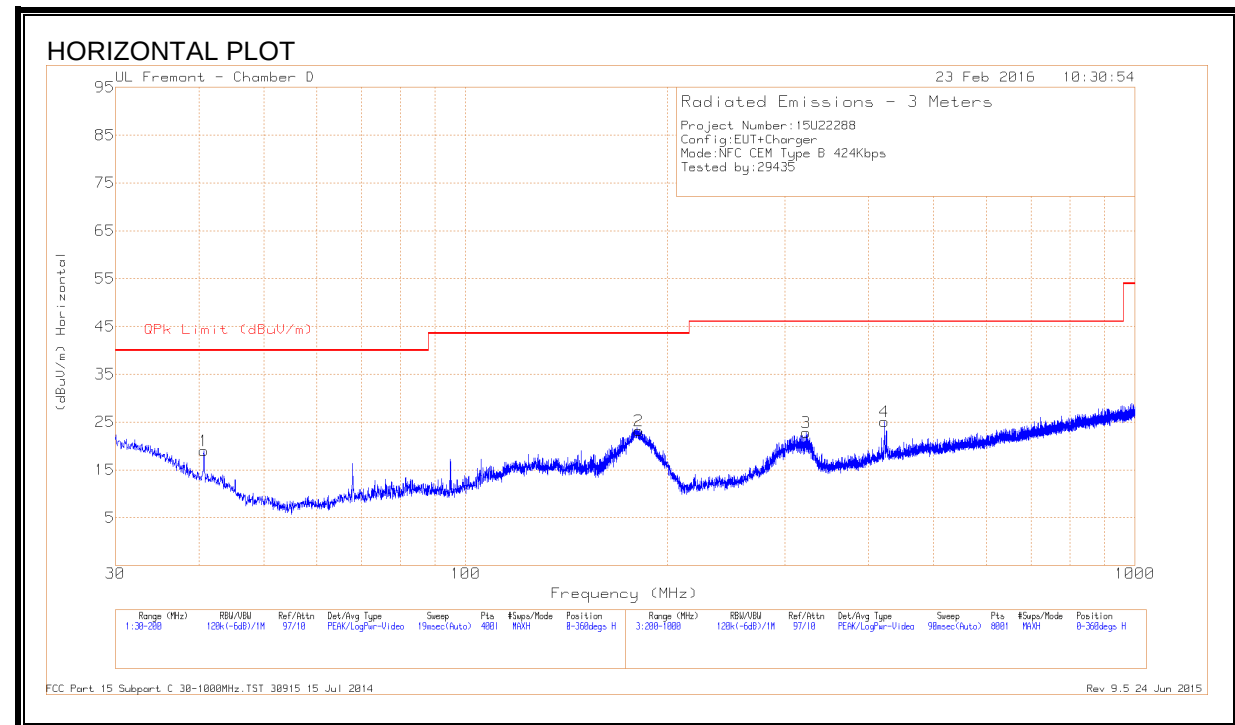


RESULTS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T122 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	33.91	44.07	Pk	18.5	-31.8	30.77	40	-9.23	0-360	100	V
5	43.26	48.63	Pk	11.7	-31.7	28.63	40	-11.37	0-360	100	V
1	44.025	41.57	Pk	11.2	-31.7	21.07	40	-18.93	0-360	301	H
2	83.4225	47.2	Pk	7.8	-31.4	23.6	40	-16.4	0-360	301	H
3	159.6675	39.62	Pk	12.2	-30.8	21.02	43.52	-22.5	0-360	201	H
6	706.8	34.9	Pk	20	-28.6	26.3	46.02	-19.72	0-360	100	V

Pk - Peak detector

424Kbps



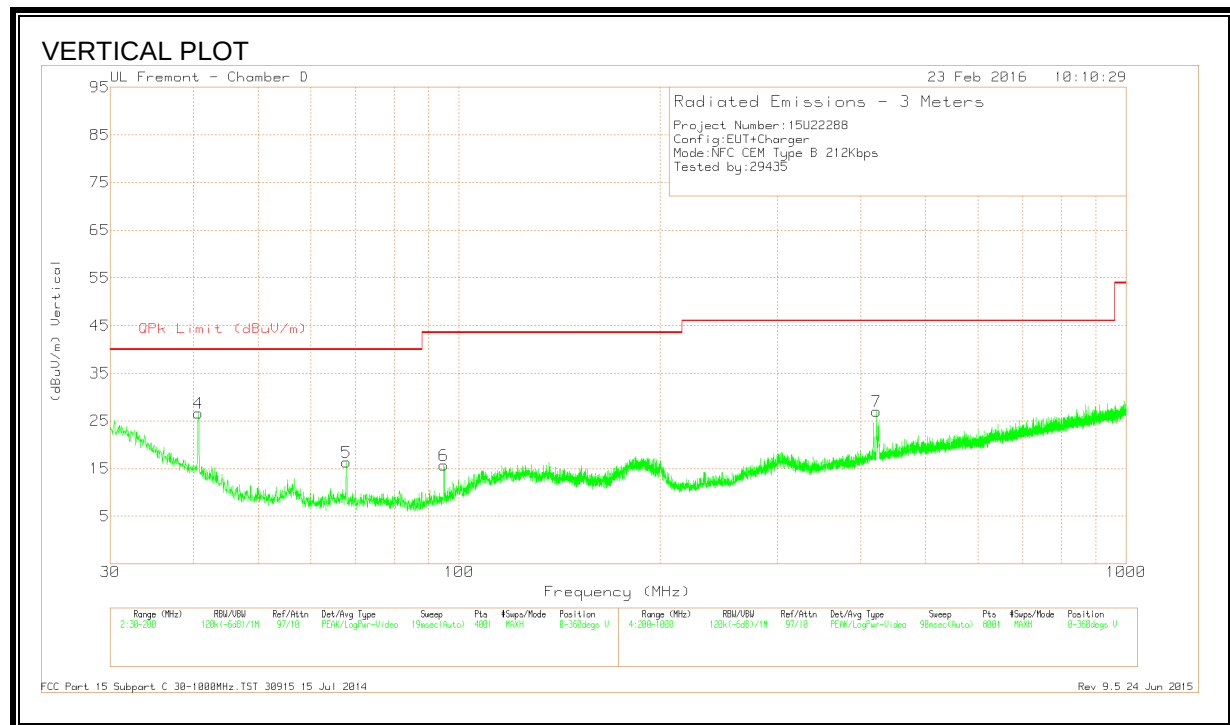
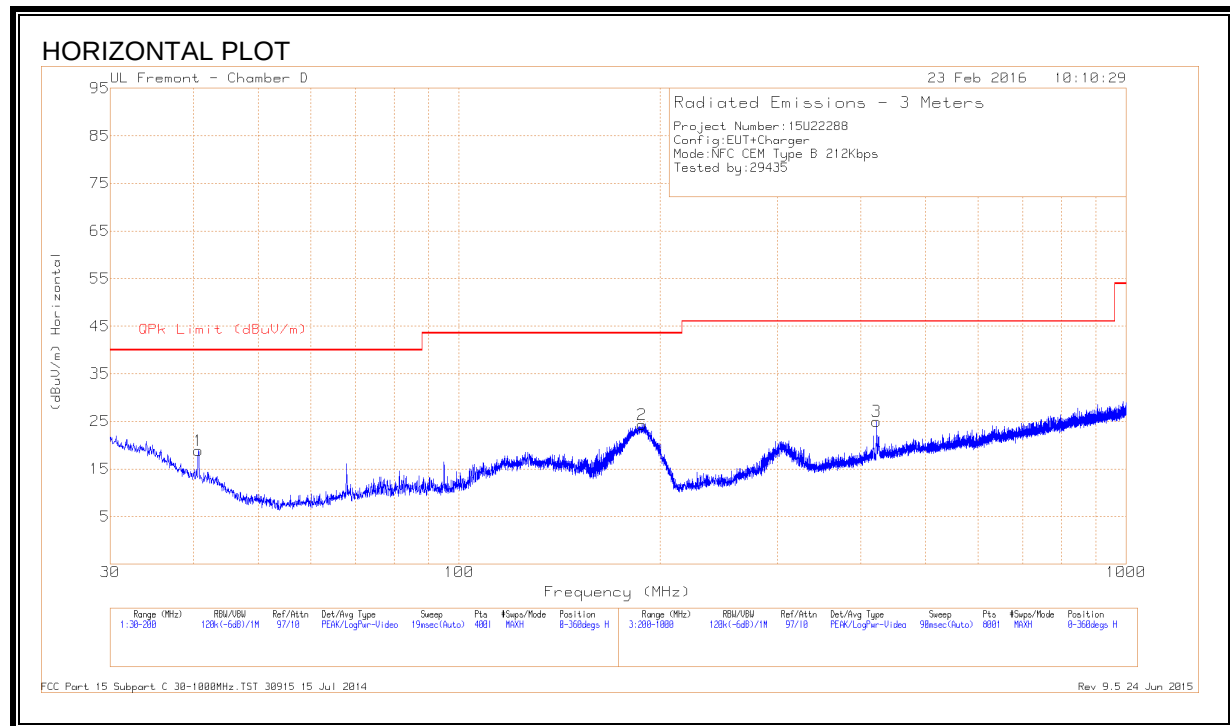
DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T408 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* 323	35.08	Pk	17.9	-30.2	22.78	46.02	-23.24	0-360	100	H
1	40.6675	33.43	Pk	17.4	-31.8	19.03	40	-20.97	0-360	401	H
5	40.6888	40.81	Pk	17.4	-31.8	26.41	40	-13.59	0-360	100	V
6	67.825	36.63	Pk	12	-31.5	17.13	40	-22.87	0-360	100	V
7	94.8975	34.11	Pk	12.7	-31.4	15.41	43.52	-28.11	0-360	100	V
2	181.3	38.97	Pk	15.1	-30.9	23.17	43.52	-20.35	0-360	201	H
4	422.1	34.79	Pk	20.2	-29.9	25.09	46.02	-20.93	0-360	202	H
8	422.3	36.49	Pk	20.2	-29.9	26.79	46.02	-19.23	0-360	201	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

212Kbps

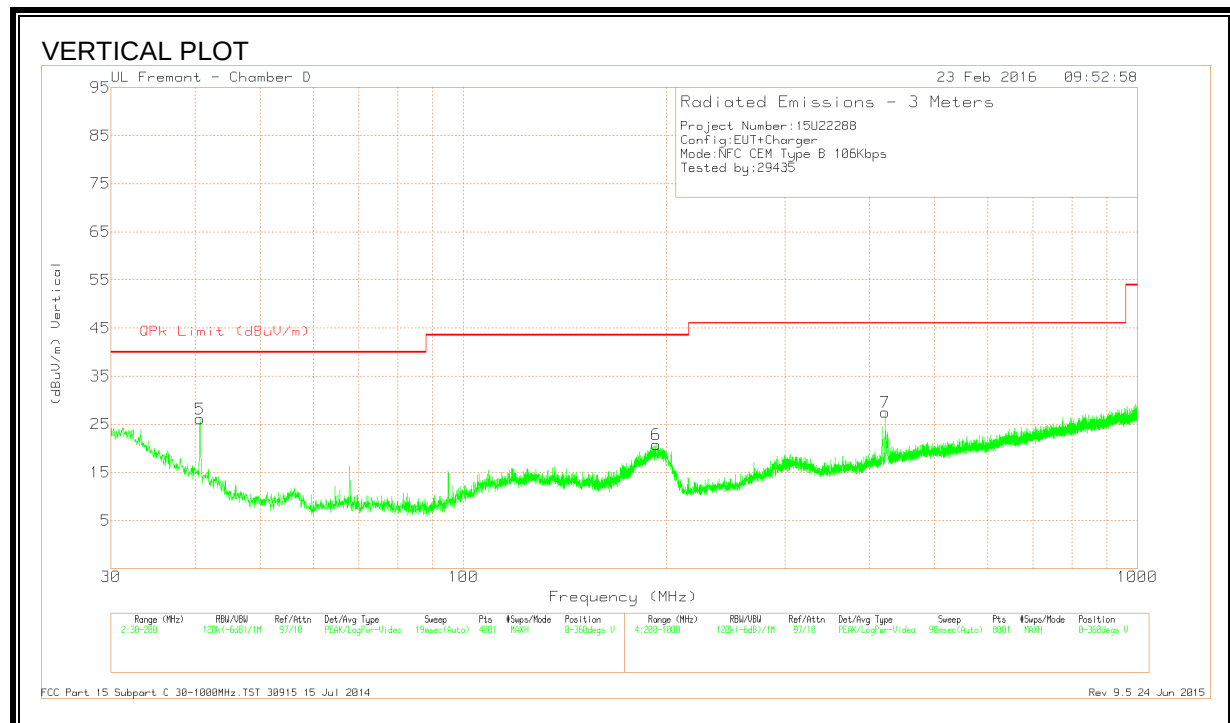
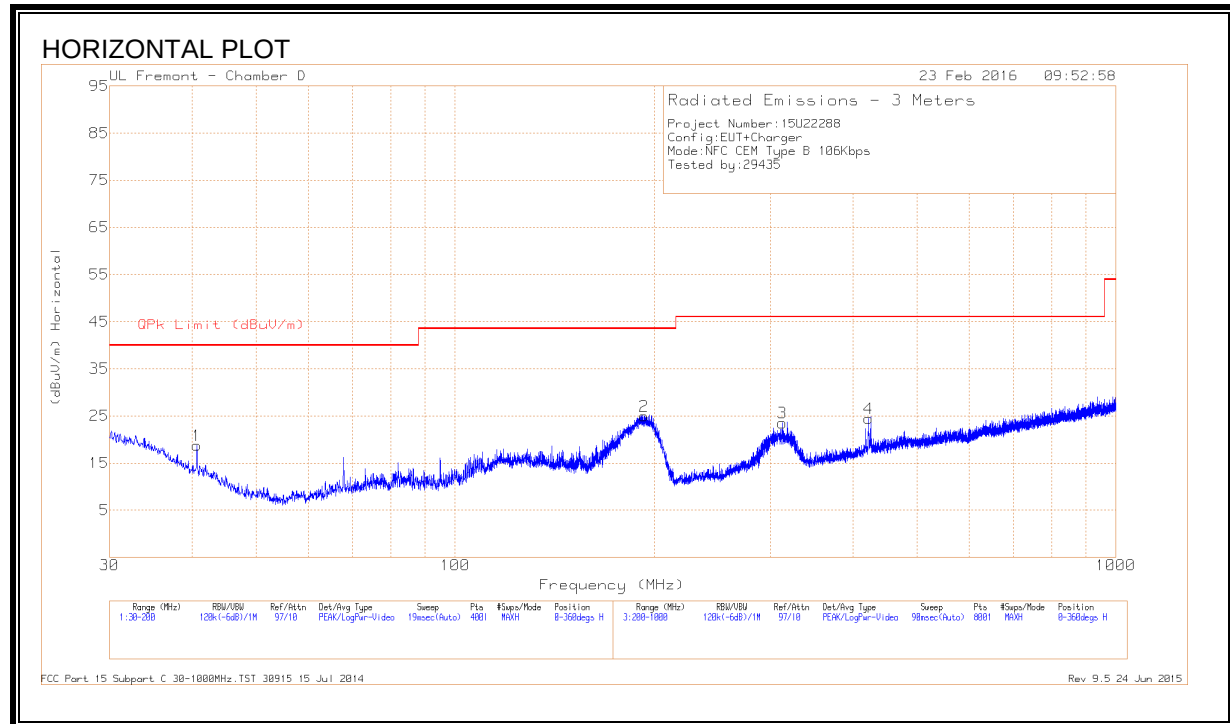


DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T408 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	40.71	33.27	Pk	17.4	-31.8	18.87	40	-21.13	0-360	401	H
4	40.71	40.99	Pk	17.4	-31.8	26.59	40	-13.41	0-360	100	V
5	67.7825	35.8	Pk	12	-31.5	16.3	40	-23.7	0-360	100	V
6	94.8975	34.44	Pk	12.7	-31.4	15.74	43.52	-27.78	0-360	100	V
2	188.1	40.18	Pk	15.1	-30.9	24.38	43.52	-19.14	0-360	201	H
7	422.2	36.72	Pk	20.2	-29.9	27.02	46.02	-19	0-360	201	V
3	422.3	34.73	Pk	20.2	-29.9	25.03	46.02	-20.99	0-360	201	H

Pk - Peak detector

106Kbps



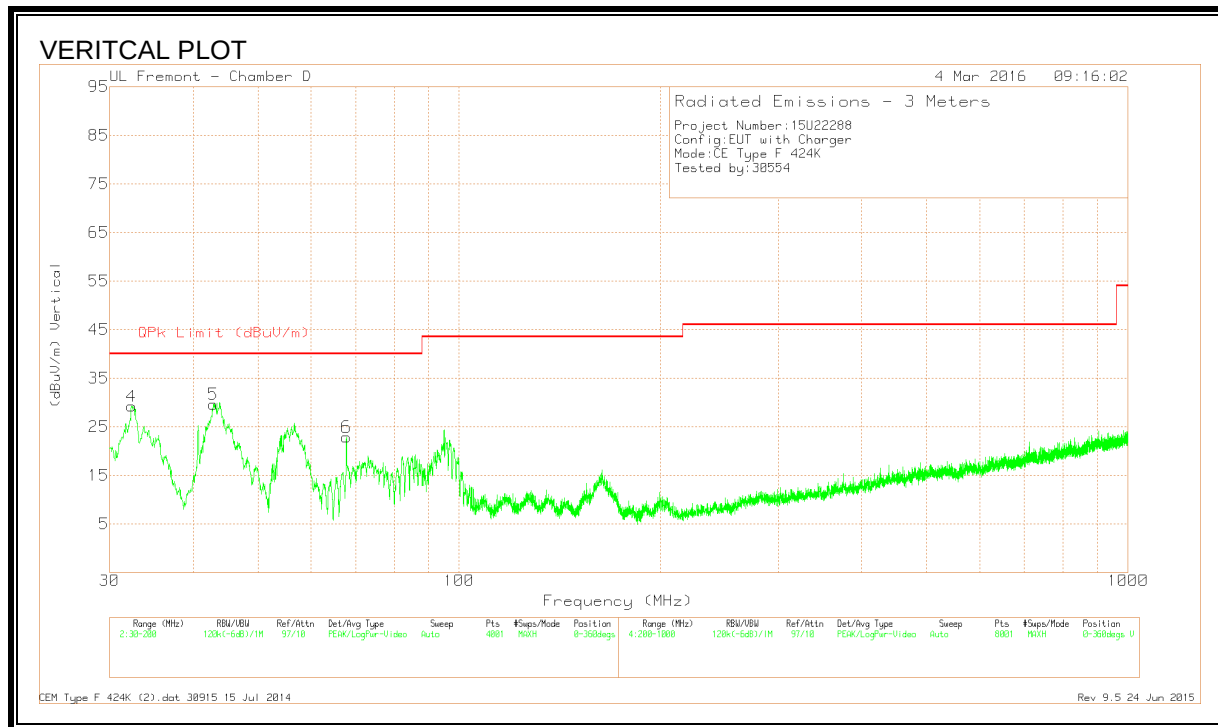
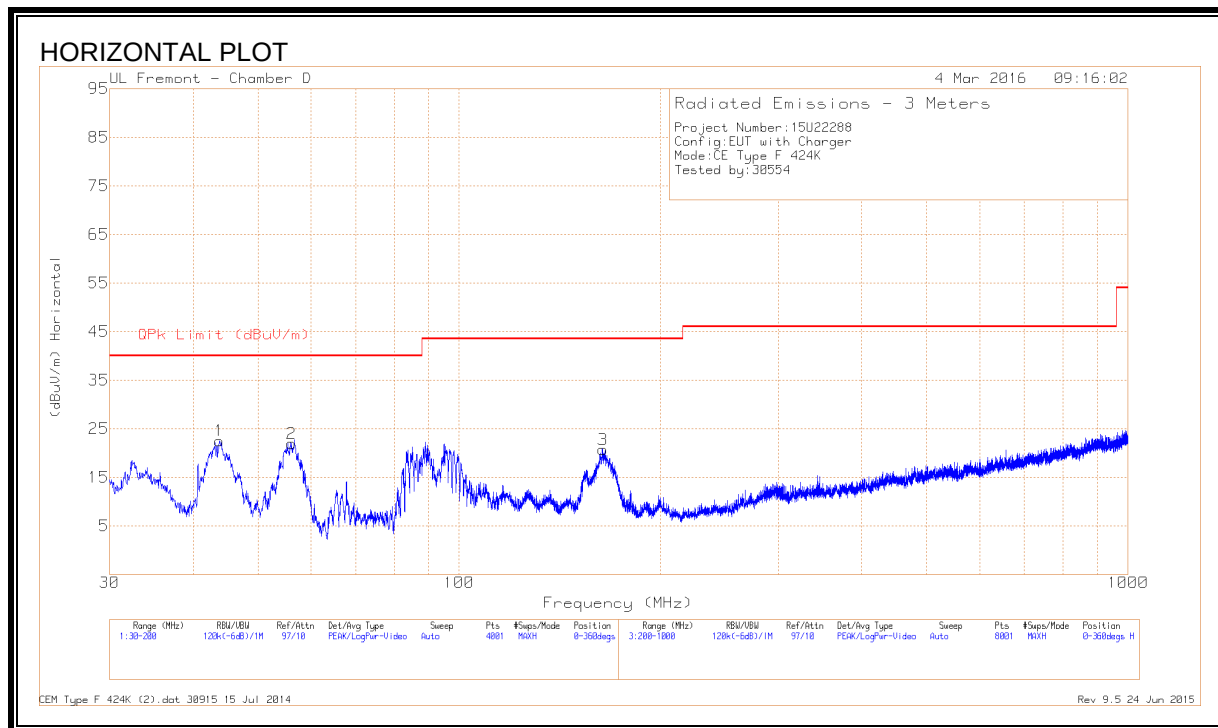
DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T408 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	40.6675	33.11	Pk	17.4	-31.8	18.71	40	-21.29	0-360	401	H
5	40.71	40.46	Pk	17.4	-31.8	26.06	40	-13.94	0-360	100	V
6	193.0725	36.06	Pk	15.5	-30.8	20.76	43.52	-22.76	0-360	100	V
2	193.2	40.32	Pk	15.5	-30.8	25.02	43.52	-18.5	0-360	100	H
3	312.5	36.21	Pk	17.7	-30.4	23.51	46.02	-22.51	0-360	100	H
4	422.2	34.15	Pk	20.2	-29.9	24.45	46.02	-21.57	0-360	301	H
7	422.3	37.26	Pk	20.2	-29.9	27.56	46.02	-18.46	0-360	301	V

Pk - Peak detector

TYPE F

424Kbps



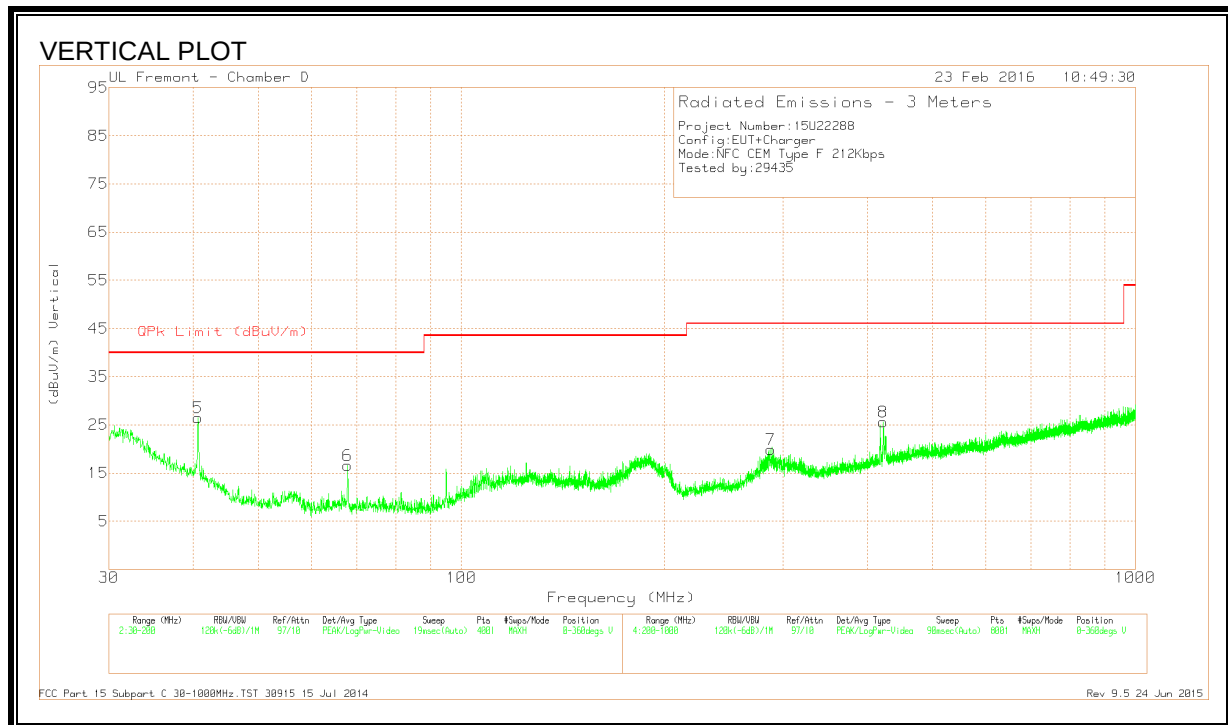
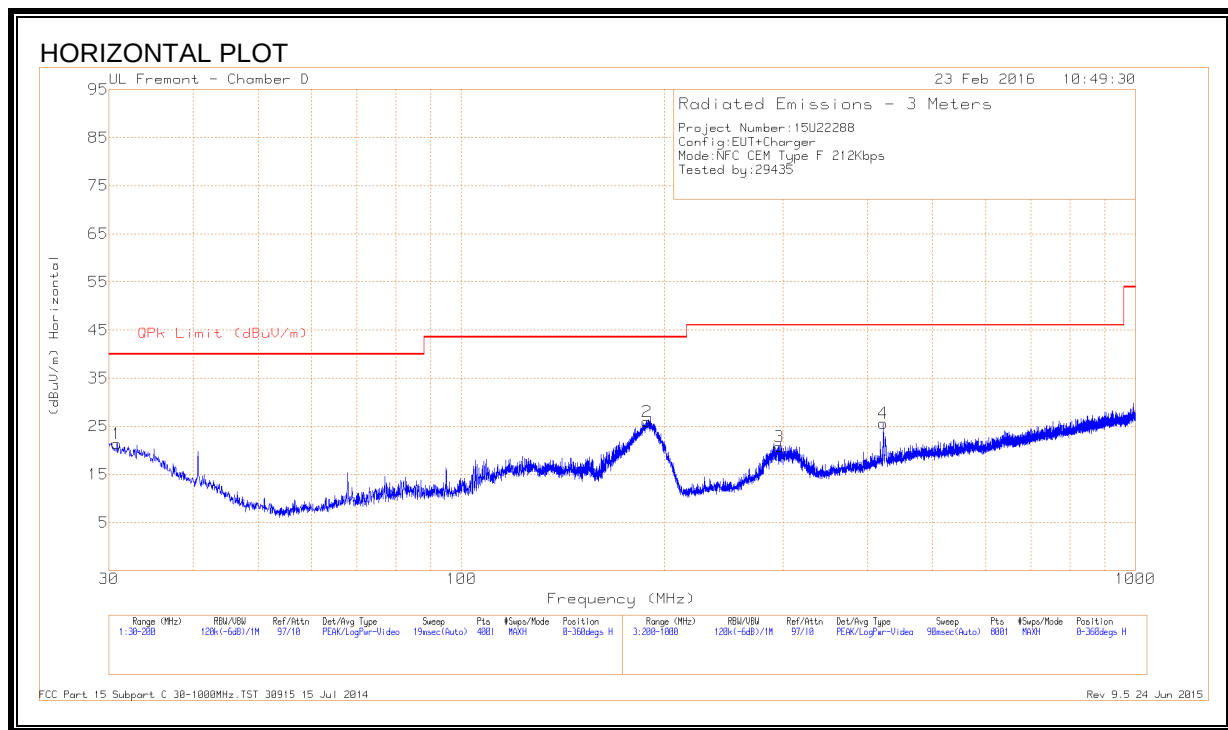
RESULTS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T122 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* 164.045	39.51	Pk	12	-30.8	20.71	43.52	-22.81	0-360	100	H
4	32.38	41.81	Pk	19.3	-31.9	29.21	40	-10.79	0-360	100	V
5	42.8775	49.43	Pk	12	-31.8	29.63	40	-10.37	0-360	100	V
1	43.8125	42.93	Pk	11.3	-31.7	22.53	40	-17.47	0-360	401	H
2	56.1375	46.26	Pk	7.3	-31.6	21.96	40	-18.04	0-360	301	H
6	67.825	46.18	Pk	8.2	-31.5	22.88	40	-17.12	0-360	100	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

212Kbps



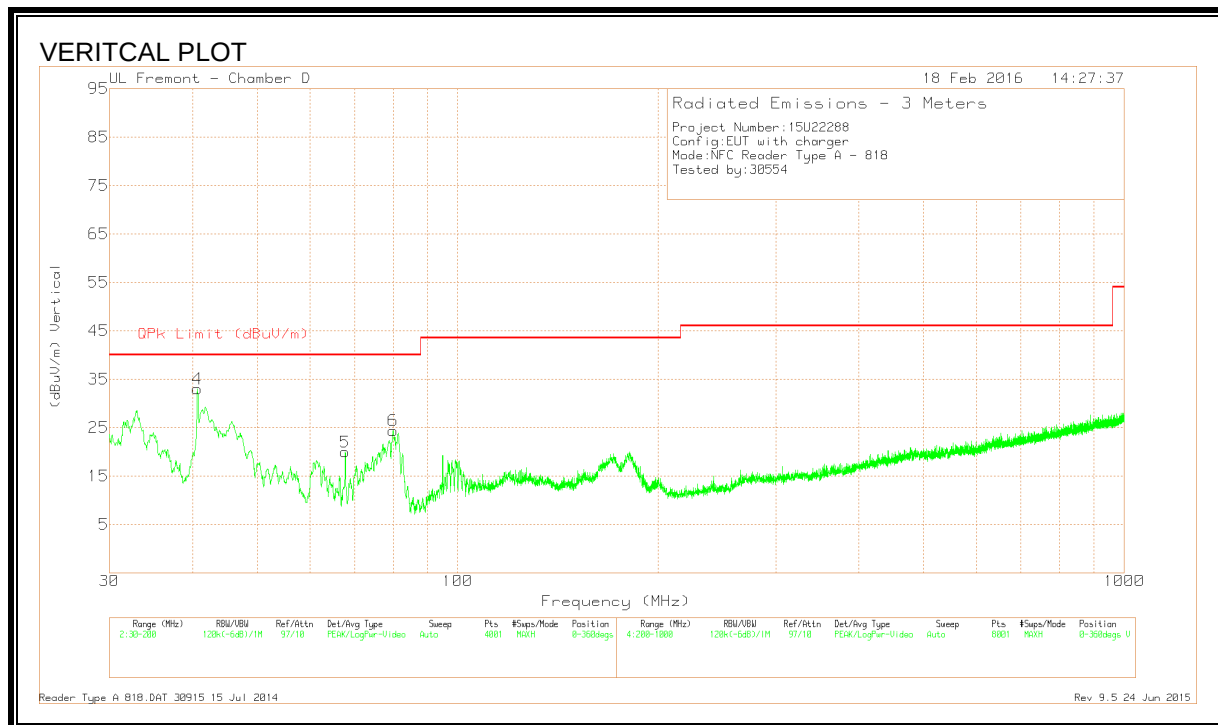
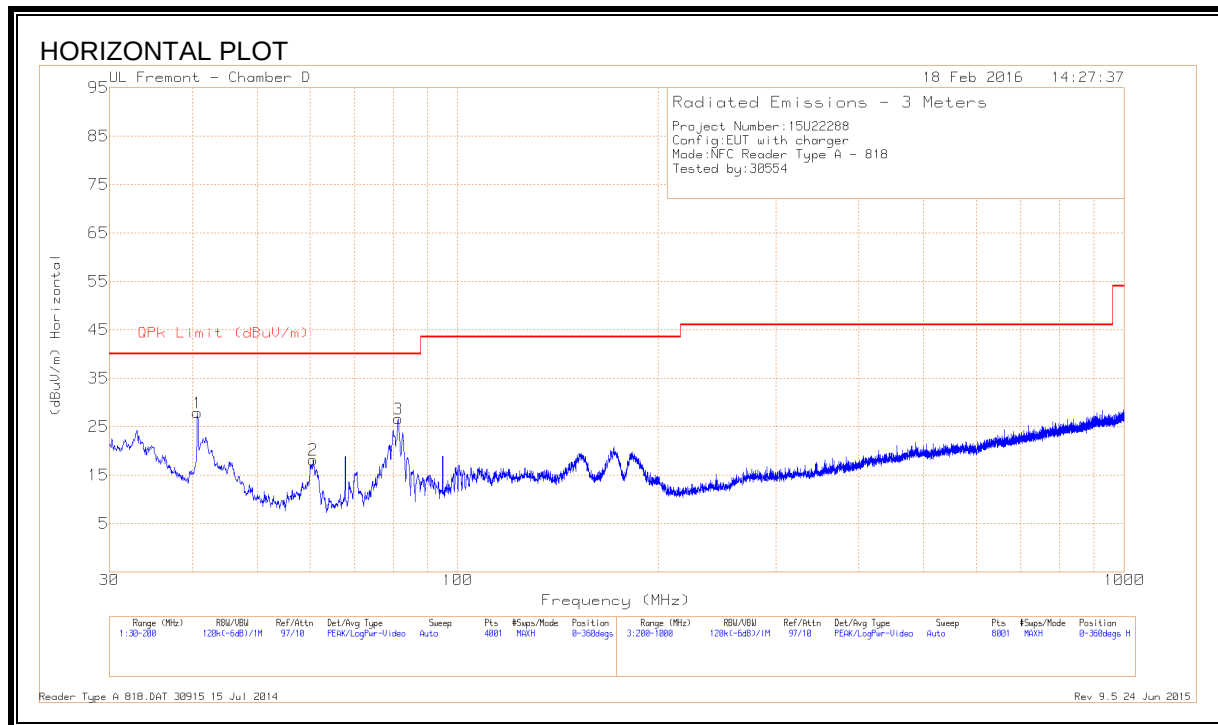
DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T408 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	30.8075	28.43	Pk	24.9	-31.9	21.43	40	-18.57	0-360	201	H
5	40.71	40.88	Pk	17.4	-31.8	26.48	40	-13.52	0-360	100	V
6	67.825	36.06	Pk	12	-31.5	16.56	40	-23.44	0-360	100	V
2	188.61	41.6	Pk	15.2	-30.8	26	43.52	-17.52	0-360	103	H
7	287.7	33.1	Pk	17.2	-30.4	19.9	46.02	-26.12	0-360	99	V
3	296.5	33.97	Pk	17.2	-30.4	20.77	46.02	-25.25	0-360	100	H
4	422.3	35.36	Pk	20.2	-29.9	25.66	46.02	-20.36	0-360	301	H
8	422.3	35.28	Pk	20.2	-29.9	25.58	46.02	-20.44	0-360	301	V

Pk - Peak detector

8.3.2. READER MODE

TYPE A 848Kbps



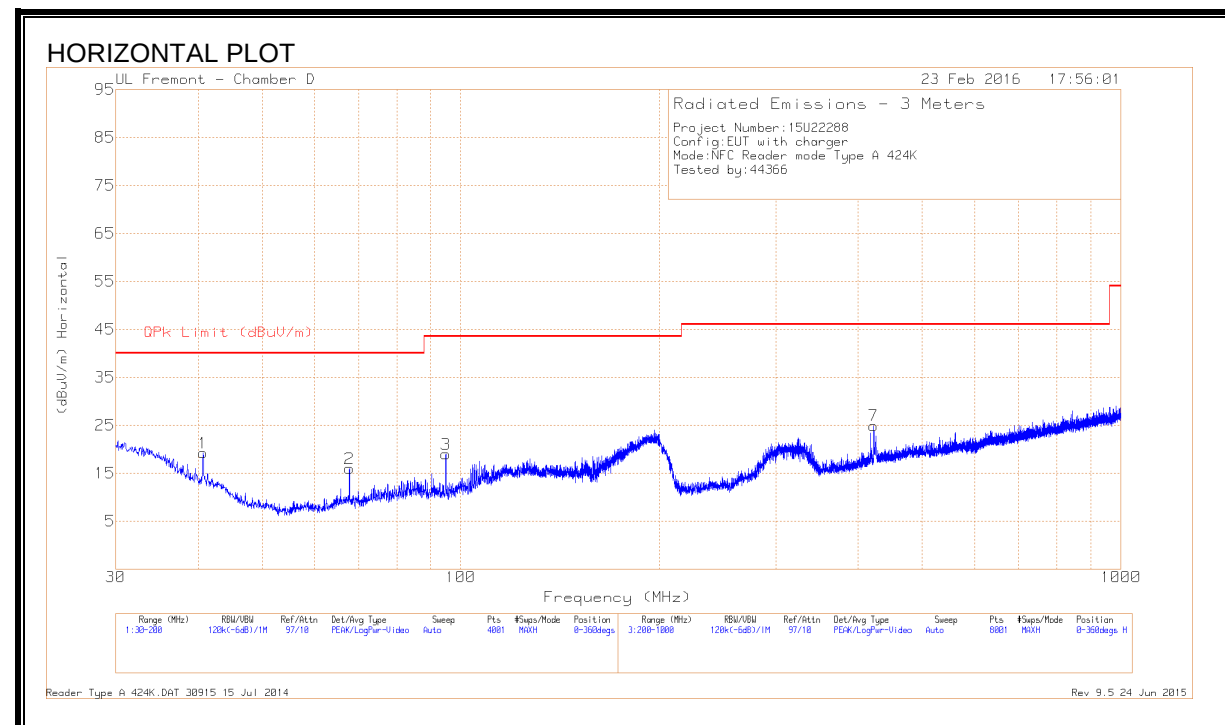
RESULTS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T243 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	40.6675	42.45	Pk	17.2	-31.8	27.85	40	-12.15	0-360	301	H
4	40.6675	47.6	Pk	17.2	-31.8	33	40	-7	0-360	100	V
2	60.685	38.22	Pk	11.5	-31.6	18.12	40	-21.88	0-360	301	H
5	67.7825	39.67	Pk	11.9	-31.6	19.97	40	-20.03	0-360	100	V
6	79.98	44.4	Pk	11.5	-31.5	24.4	40	-15.6	0-360	100	V
3	81.3825	46.58	Pk	11.4	-31.4	26.58	40	-13.42	0-360	401	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

424Kbps



DATA

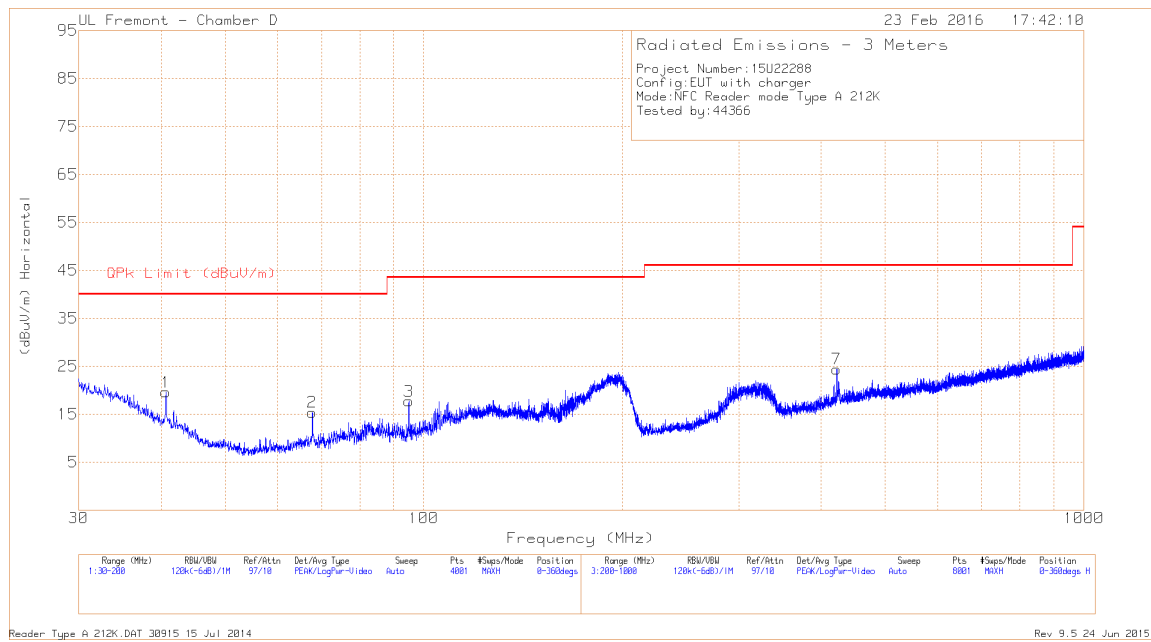
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T408 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	40.6675	42.09	Pk	17.4	-31.8	27.69	40	-12.31	0-360	100	V
1	40.71	33.62	Pk	17.4	-31.8	19.22	40	-20.78	0-360	301	H
2	67.825	35.46	Pk	12	-31.5	15.96	40	-24.04	0-360	301	H
5	67.825	36.46	Pk	12	-31.5	16.96	40	-23.04	0-360	100	V
3	94.94	37.65	Pk	12.7	-31.4	18.95	43.52	-24.57	0-360	301	H
6	94.9825	34.76	Pk	12.7	-31.4	16.06	43.52	-27.46	0-360	100	V
7	422.2	34.6	Pk	20.2	-29.9	24.9	46.02	-21.12	0-360	301	H
8	422.3	36.05	Pk	20.2	-29.9	26.35	46.02	-19.67	0-360	301	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

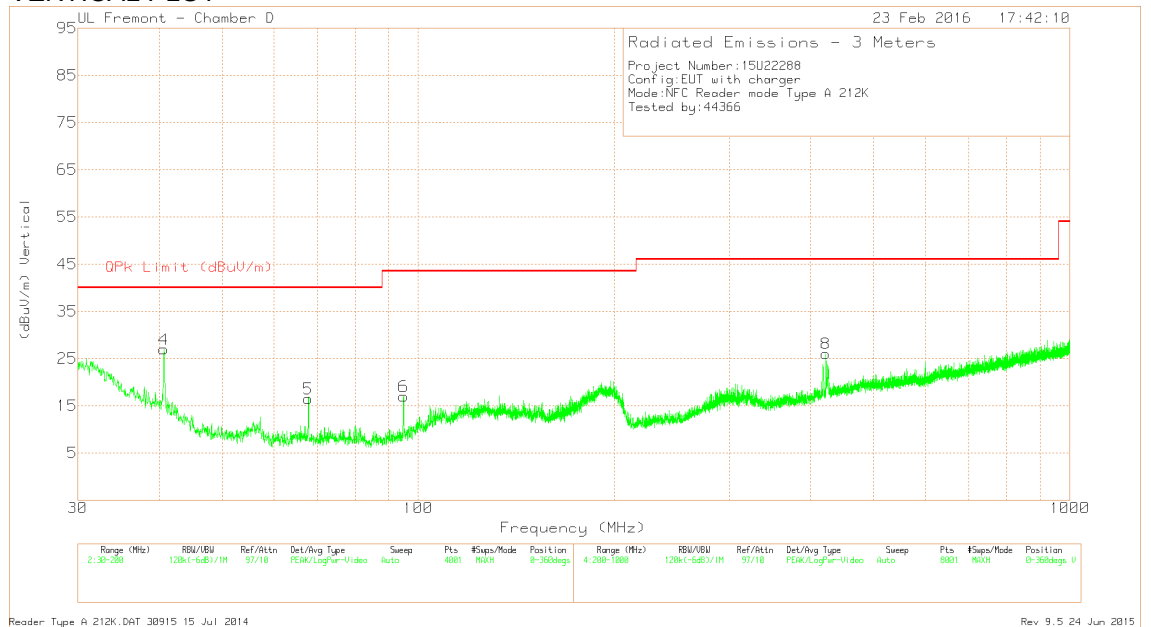
Pk - Peak detector

212Kbps

HORIZONTAL PLOT



VERTICAL PLOT



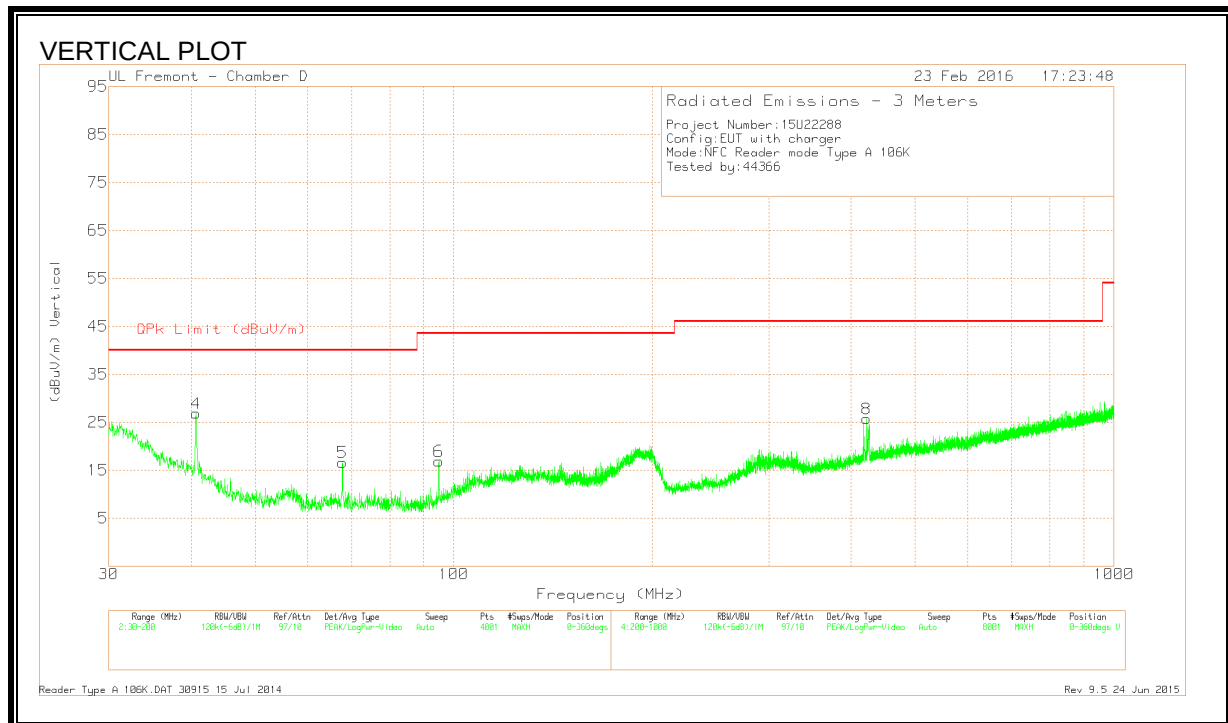
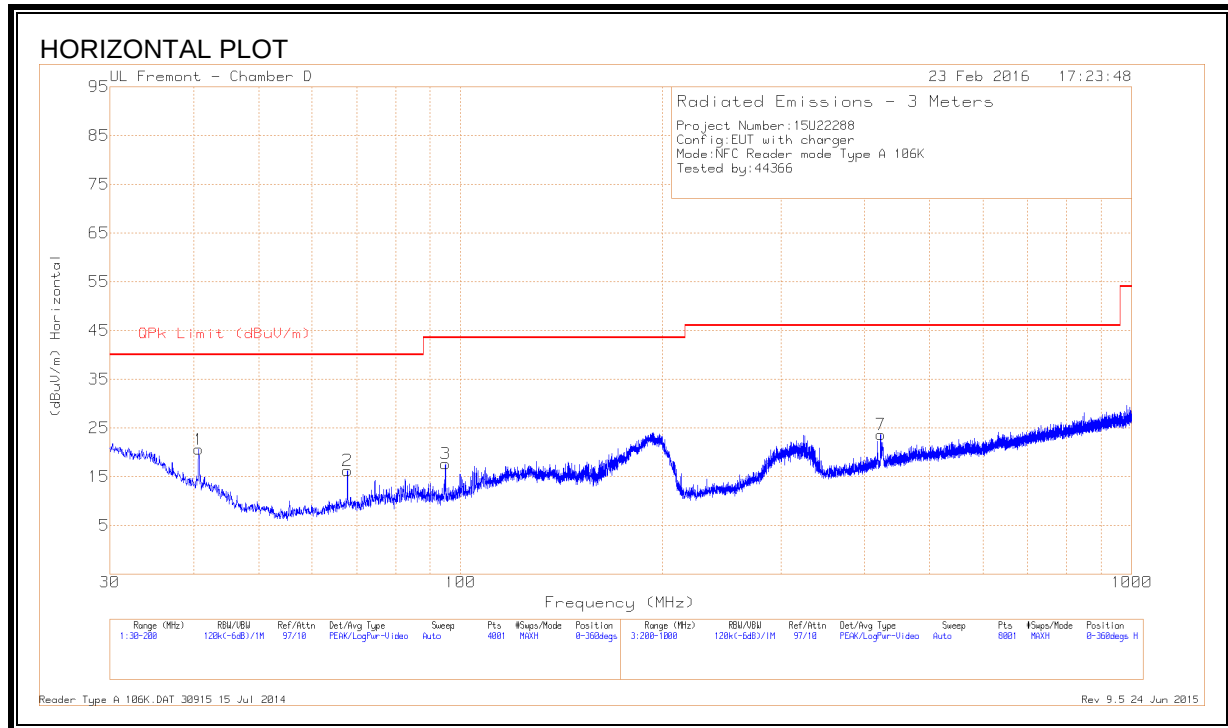
DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T408 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	40.6675	33.96	Pk	17.4	-31.8	19.56	40	-20.44	0-360	301	H
4	40.6675	41.36	Pk	17.4	-31.8	26.96	40	-13.04	0-360	100	V
2	67.7825	34.9	Pk	12	-31.5	15.4	40	-24.6	0-360	301	H
5	67.7825	35.99	Pk	12	-31.5	16.49	40	-23.51	0-360	100	V
3	94.94	36.43	Pk	12.7	-31.4	17.73	43.52	-25.79	0-360	301	H
6	94.94	35.71	Pk	12.7	-31.4	17.01	43.52	-26.51	0-360	100	V
7	422	34.1	Pk	20.2	-29.9	24.4	46.02	-21.62	0-360	301	H
8	422.3	35.73	Pk	20.2	-29.9	26.03	46.02	-19.99	0-360	201	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

106Kbps



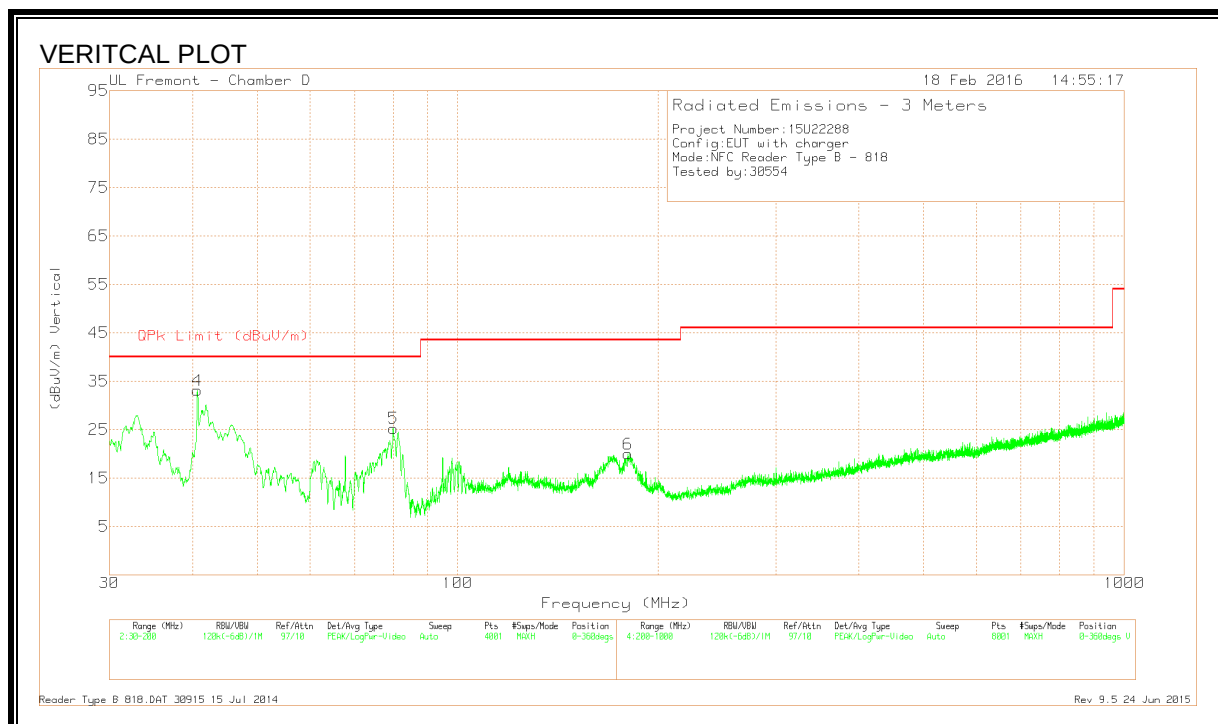
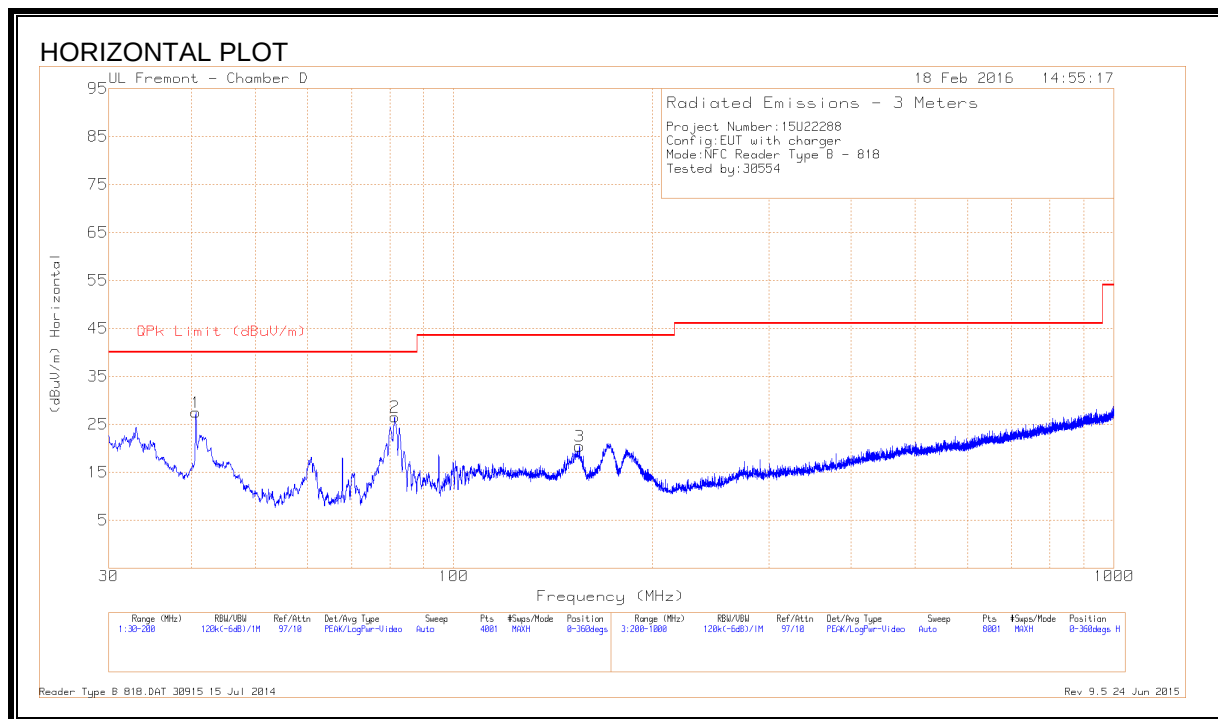
DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T408 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	40.71	35	Pk	17.4	-31.8	20.6	40	-19.4	0-360	201	H
4	40.71	41.24	Pk	17.4	-31.8	26.84	40	-13.16	0-360	100	V
2	67.825	35.75	Pk	12	-31.5	16.25	40	-23.75	0-360	301	H
5	67.825	36.12	Pk	12	-31.5	16.62	40	-23.38	0-360	100	V
3	94.94	36.36	Pk	12.7	-31.4	17.66	43.52	-25.86	0-360	201	H
6	94.94	35.57	Pk	12.7	-31.4	16.87	43.52	-26.65	0-360	100	V
8	422.1	35.43	Pk	20.2	-29.9	25.73	46.02	-20.29	0-360	201	V
7	422.8	33.21	Pk	20.3	-29.9	23.61	46.02	-22.41	0-360	301	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

TYPE B 848Kbps



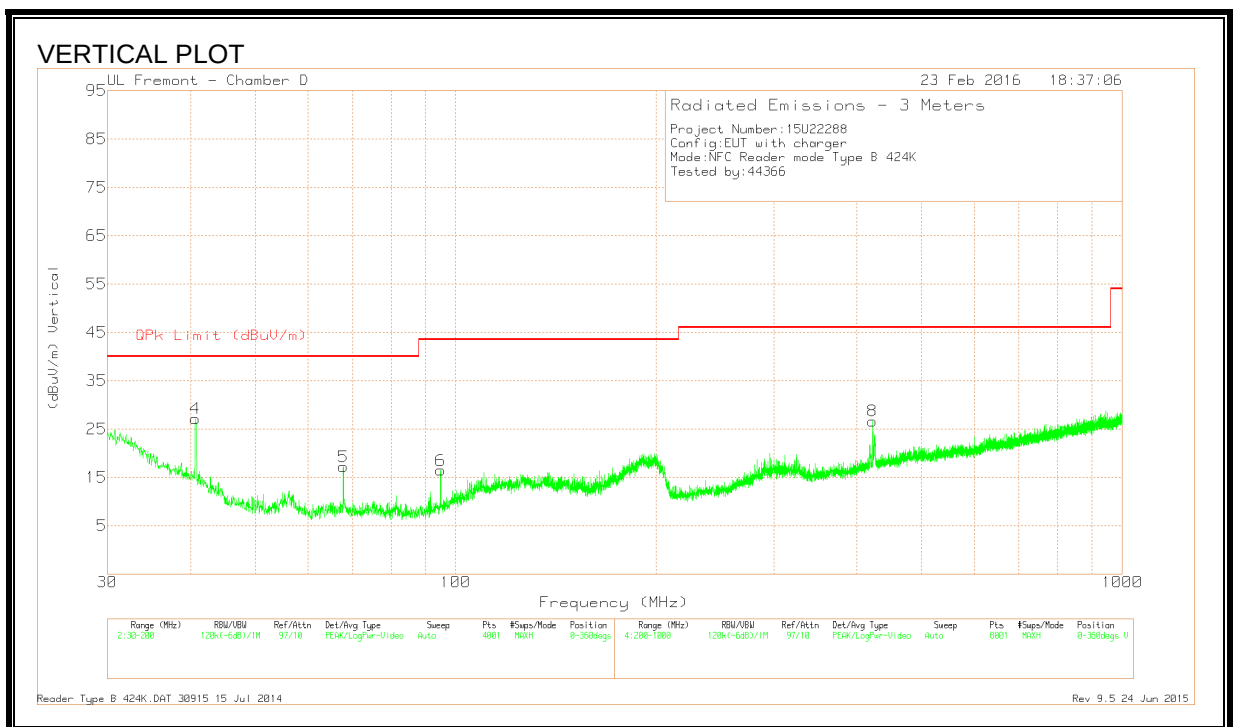
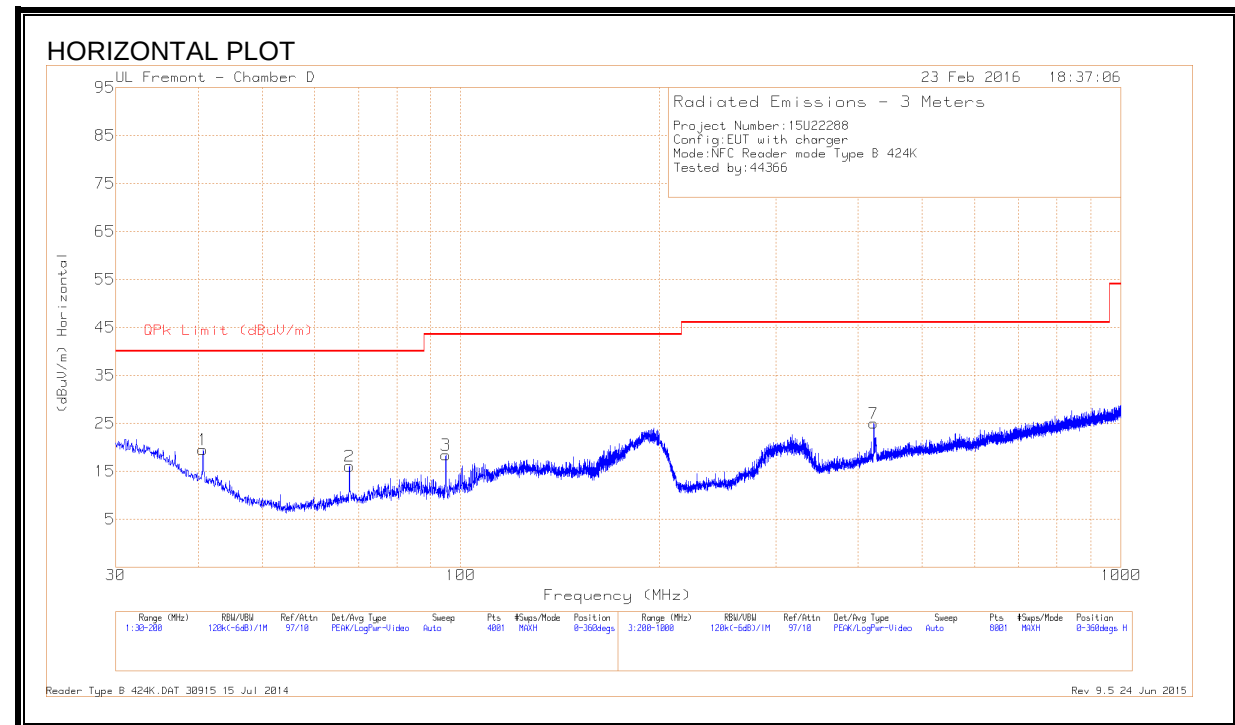
RESULTS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T243 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	40.6675	42.05	Pk	17.2	-31.8	27.45	40	-12.55	0-360	201	H
4	40.6675	47.7	Pk	17.2	-31.8	33.1	40	-6.9	0-360	100	V
5	80.0225	45.27	Pk	11.5	-31.5	25.27	40	-14.73	0-360	100	V
2	81.3825	46.52	Pk	11.4	-31.4	26.52	40	-13.48	0-360	201	H
3	155.035	35.22	Pk	16.2	-31	20.42	43.52	-23.1	0-360	201	H
6	179.9825	35.88	Pk	15.1	-31	19.98	43.52	-23.54	0-360	100	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

424Kbps



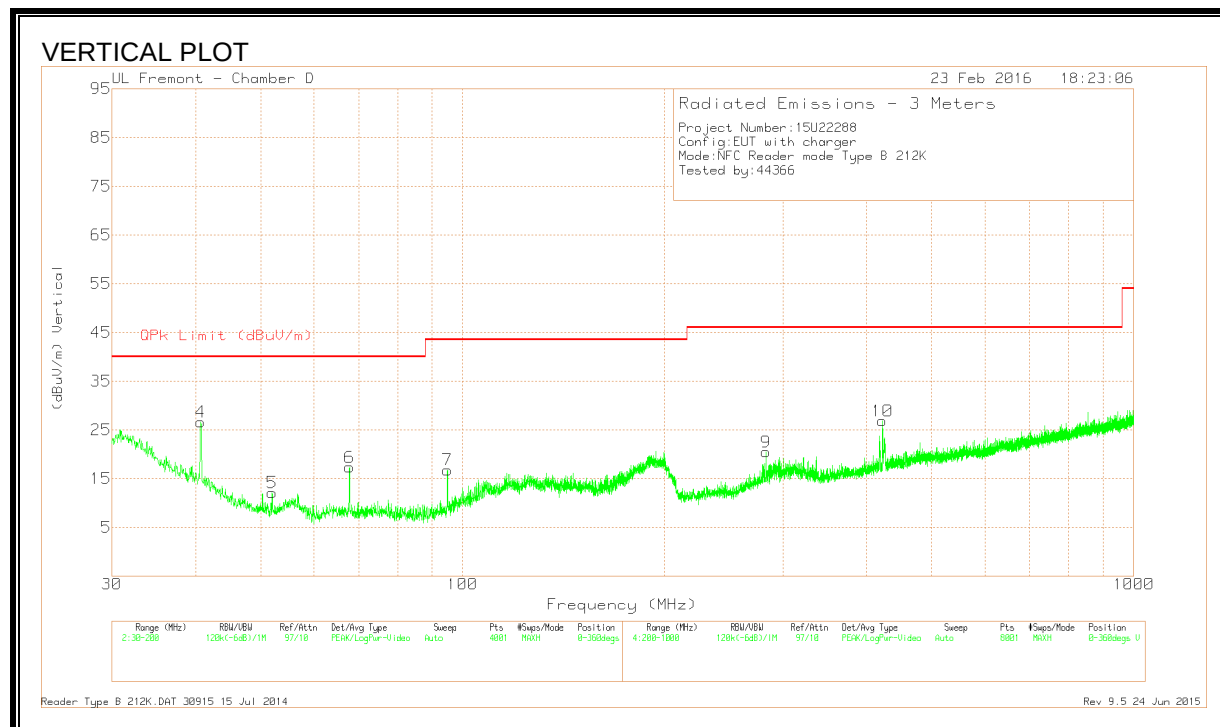
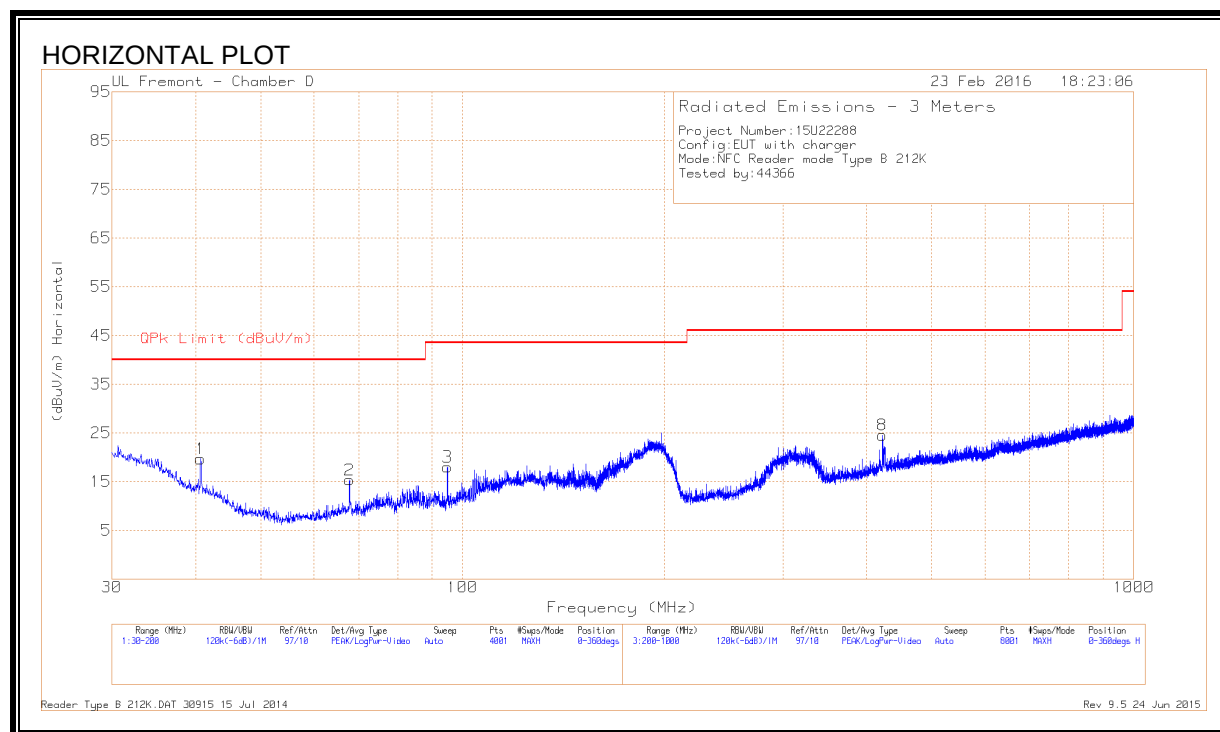
DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T408 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	40.6675	33.91	Pk	17.4	-31.8	19.51	40	-20.49	0-360	401	H
4	40.6675	41.55	Pk	17.4	-31.8	27.15	40	-12.85	0-360	100	V
2	67.825	35.55	Pk	12	-31.5	16.05	40	-23.95	0-360	301	H
5	67.825	36.69	Pk	12	-31.5	17.19	40	-22.81	0-360	100	V
3	94.94	37.08	Pk	12.7	-31.4	18.38	43.52	-25.14	0-360	301	H
6	94.94	35.18	Pk	12.7	-31.4	16.48	43.52	-27.04	0-360	100	V
8	422.2	36.36	Pk	20.2	-29.9	26.66	46.02	-19.36	0-360	201	V
7	422.3	34.64	Pk	20.2	-29.9	24.94	46.02	-21.08	0-360	301	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

212Kbps



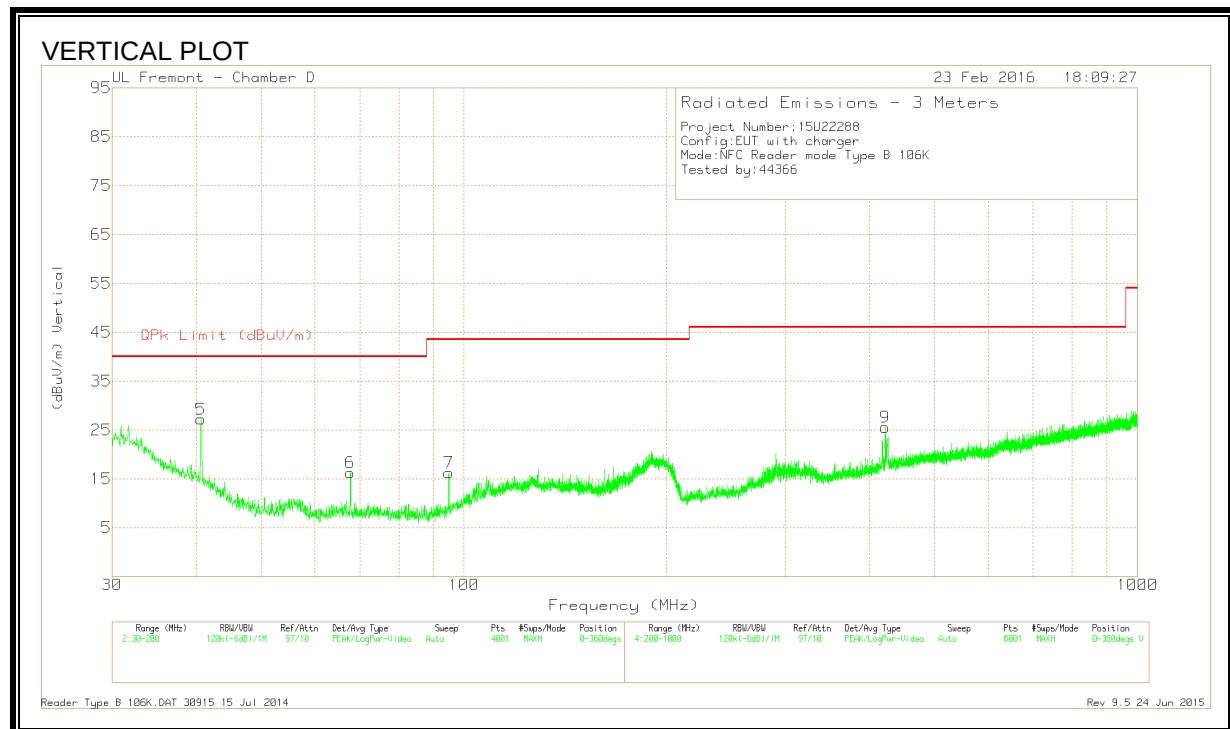
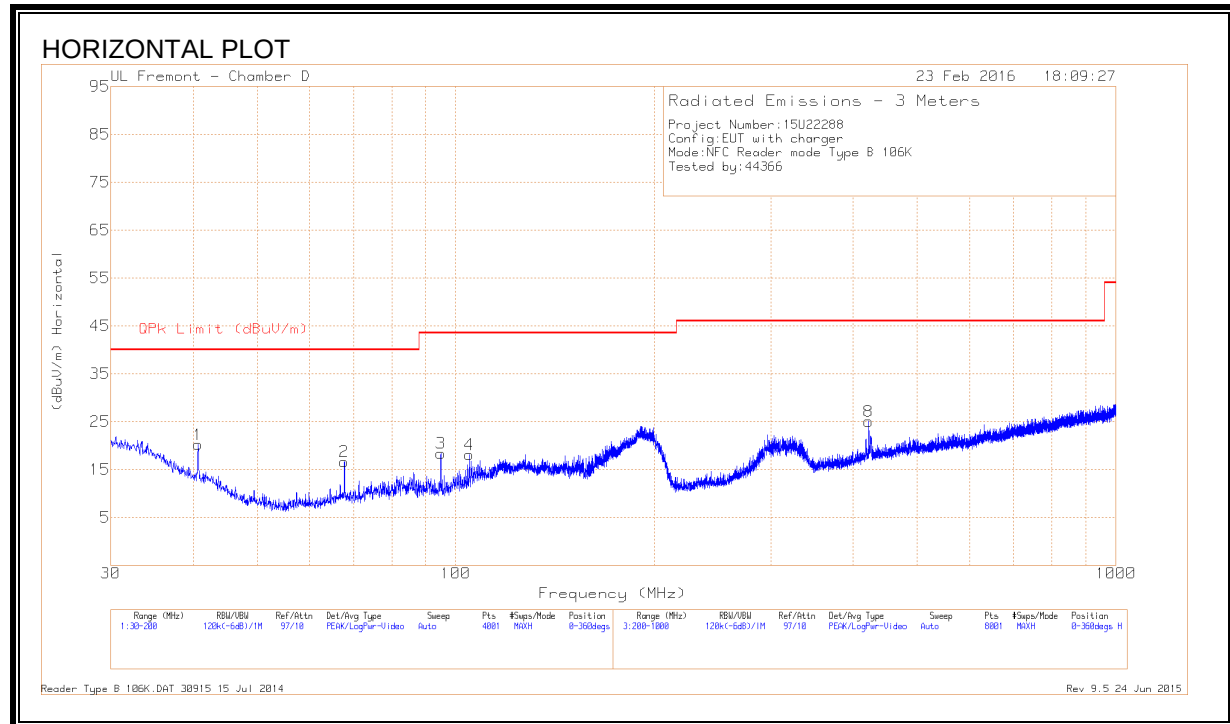
DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T408 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
9	* 283.3	33.66	Pk	17.2	-30.4	20.46	46.02	-25.56	0-360	99	V
1	40.6675	34.07	Pk	17.4	-31.8	19.67	40	-20.33	0-360	401	H
4	40.71	41.02	Pk	17.4	-31.8	26.62	40	-13.38	0-360	100	V
5	52.015	32.41	Pk	11.4	-31.7	12.11	40	-27.89	0-360	100	V
2	67.825	34.83	Pk	12	-31.5	15.33	40	-24.67	0-360	301	H
6	67.825	36.81	Pk	12	-31.5	17.31	40	-22.69	0-360	100	V
3	94.94	36.7	Pk	12.7	-31.4	18	43.52	-25.52	0-360	201	H
7	94.94	35.48	Pk	12.7	-31.4	16.78	43.52	-26.74	0-360	100	V
8	422.3	34.24	Pk	20.2	-29.9	24.54	46.02	-21.48	0-360	301	H
10	422.3	36.51	Pk	20.2	-29.9	26.81	46.02	-19.21	0-360	201	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

106Kbps



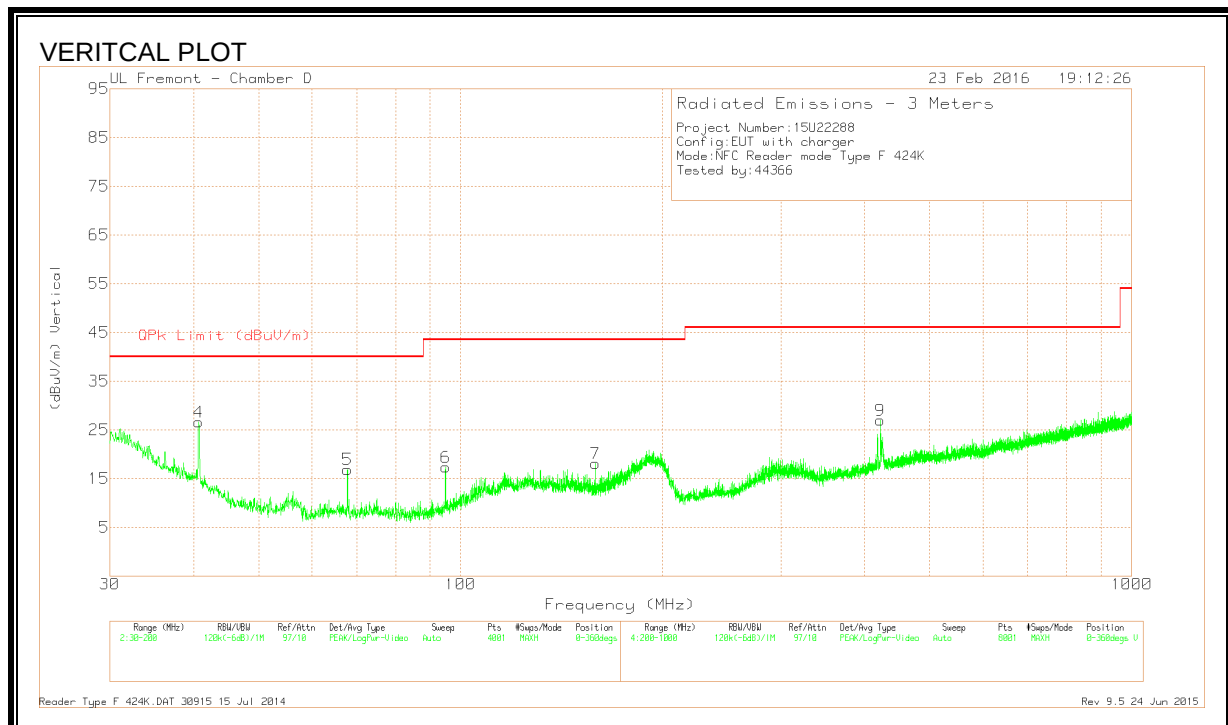
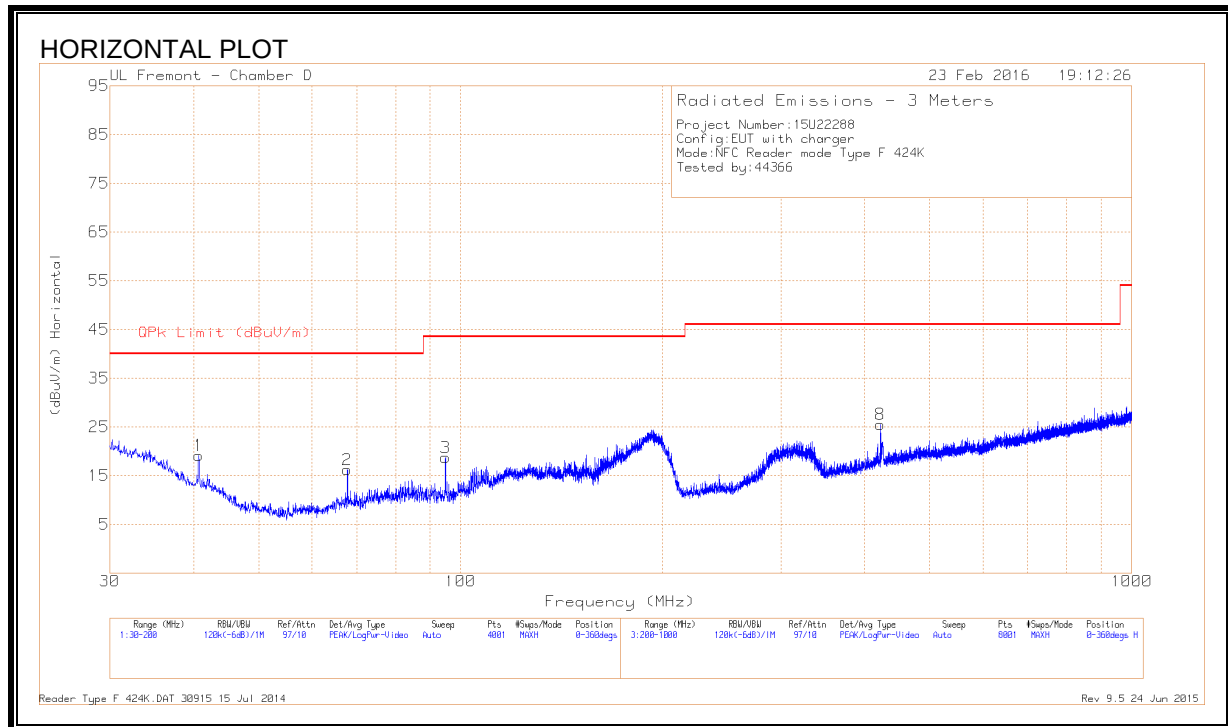
DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T408 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	40.6675	41.63	Pk	17.4	-31.8	27.23	40	-12.77	0-360	100	V
1	40.71	34.61	Pk	17.4	-31.8	20.21	40	-19.79	0-360	401	H
2	67.7825	36.15	Pk	12	-31.5	16.65	40	-23.35	0-360	301	H
6	67.7825	35.78	Pk	12	-31.5	16.28	40	-23.72	0-360	100	V
3	94.94	37.1	Pk	12.7	-31.4	18.4	43.52	-25.12	0-360	301	H
7	94.94	34.96	Pk	12.7	-31.4	16.26	43.52	-27.26	0-360	100	V
4	104.8	34.12	Pk	15.3	-31.3	18.12	43.52	-25.4	0-360	301	H
8	422.3	34.75	Pk	20.2	-29.9	25.05	46.02	-20.97	0-360	301	H
9	422.3	35.24	Pk	20.2	-29.9	25.54	46.02	-20.48	0-360	301	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

TYPE F 424Kbps



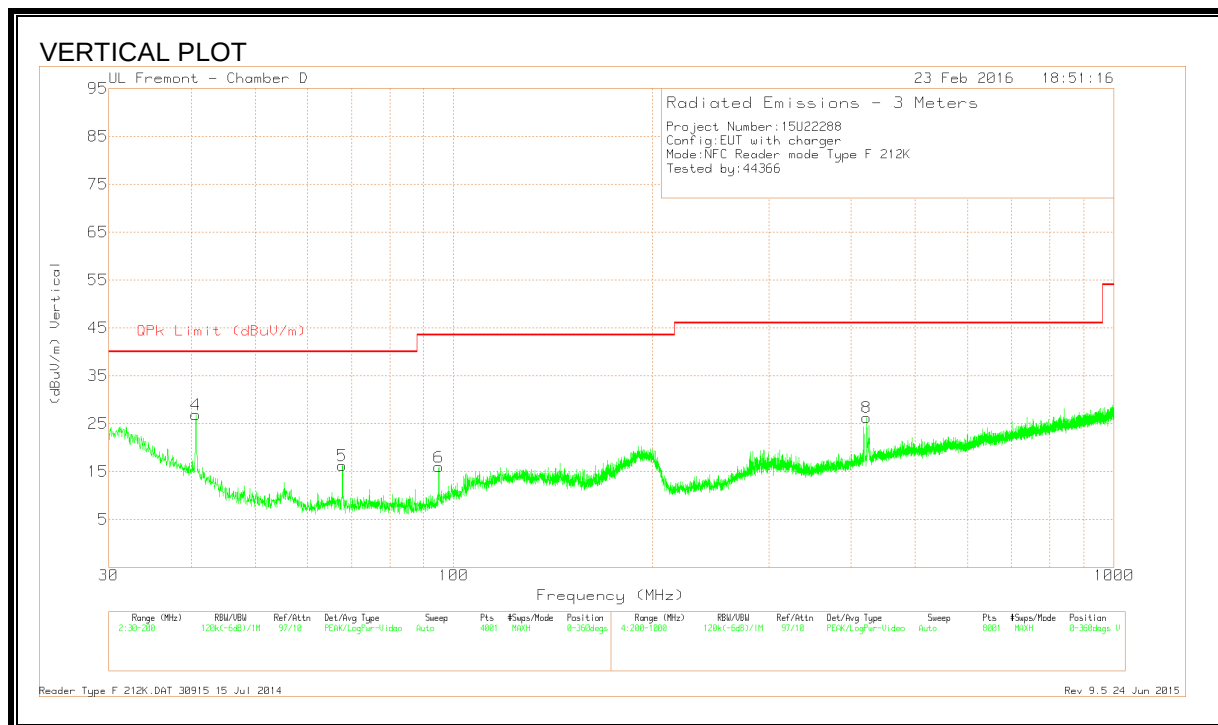
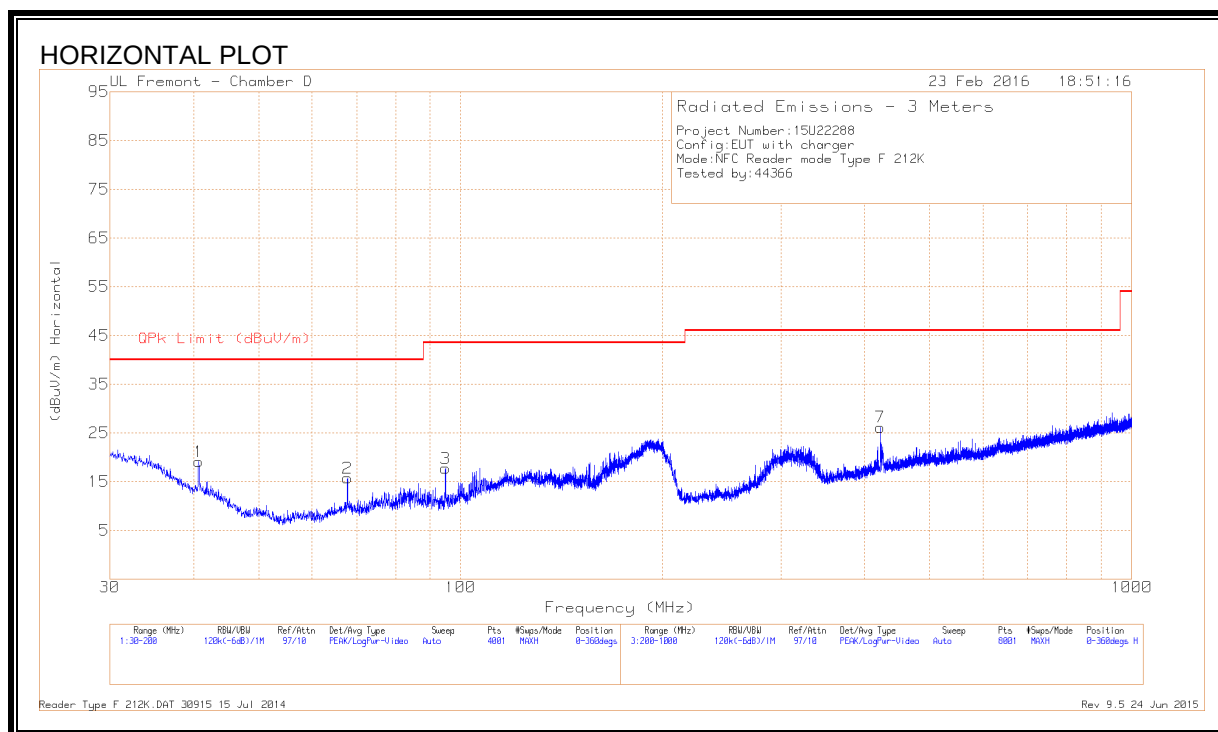
RESULTS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T408 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	40.71	33.52	Pk	17.4	-31.8	19.12	40	-20.88	0-360	301	H
4	40.71	41	Pk	17.4	-31.8	26.6	40	-13.4	0-360	100	V
2	67.7825	35.72	Pk	12	-31.5	16.22	40	-23.78	0-360	301	H
5	67.825	36.36	Pk	12	-31.5	16.86	40	-23.14	0-360	100	V
3	94.94	37.39	Pk	12.7	-31.4	18.69	43.52	-24.83	0-360	201	H
6	94.9613	36.03	Pk	12.7	-31.4	17.33	43.52	-26.19	0-360	100	V
7	158.86	32.9	Pk	16.2	-31	18.1	43.52	-25.42	0-360	100	V
8	422.1	35.2	Pk	20.2	-29.9	25.5	46.02	-20.52	0-360	201	H
9	422.1	36.66	Pk	20.2	-29.9	26.96	46.02	-19.06	0-360	201	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

212Kbps



DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T408 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	40.6675	41.26	Pk	17.4	-31.8	26.86	40	-13.14	0-360	100	V
1	40.71	33.5	Pk	17.4	-31.8	19.1	40	-20.9	0-360	401	H
5	67.7825	35.75	Pk	12	-31.5	16.25	40	-23.75	0-360	100	V
2	67.825	35.21	Pk	12	-31.5	15.71	40	-24.29	0-360	401	H
3	94.94	36.4	Pk	12.7	-31.4	17.7	43.52	-25.82	0-360	201	H
6	94.94	34.67	Pk	12.7	-31.4	15.97	43.52	-27.55	0-360	100	V
7	422.3	35.85	Pk	20.2	-29.9	26.15	46.02	-19.87	0-360	301	H
8	422.3	35.98	Pk	20.2	-29.9	26.28	46.02	-19.74	0-360	301	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

9. FREQUENCY STABILITY

LIMIT

§15.225 (e) The frequency tolerance of the carrier signal shall be maintained within $\pm 0.01\%$ of the operating frequency, over a temperature variation of -20 degrees to +50 degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C. For battery operated equipment, the equipment tests shall be performed using a new battery.

TEST PROCEDURE

ANSI C63.10:2013 Clause 2.3.1 and 2.3.2

RESULTS

No non-compliance noted.

9.1. CE MODE

Type A 848 Kbps

Reference Frequency: EUT Channel 13.56 MHz @ 20°C Limit: ± 100 ppm = 1.356 kHz										
Power Supply	Envir. Temp	Frequency Deviation Measured with Time Elapse								
(Vdc)	(°C)	Startup (MHz)	Delta (ppm)	@ 2 mins (MHz)	Delta (ppm)	@ 5 mins (MHz)	Delta (ppm)	@ 10 mins (MHz)	Delta (ppm)	Limit (ppm)
3.80	50	13.5603457	-0.118	13.5603458	-0.125	13.5603460	-0.140	13.5603463	-0.162	± 100
3.80	40	13.5603455	-0.103	13.5603456	-0.111	13.5603458	-0.125	13.5603461	-0.147	± 100
3.80	30	13.5603450	-0.066	13.5603450	-0.066	13.5603451	-0.074	13.5603453	-0.088	± 100
3.80	20	13.5603441	0.000	13.5603441	0.000	13.5603443	-0.015	13.5603446	-0.037	± 100
3.80	10	13.5603436	0.037	13.5603437	0.029	13.5603439	0.015	13.5603442	-0.007	± 100
3.80	0	13.5603421	0.147	13.5603420	0.155	13.5603418	0.170	13.5603414	0.199	± 100
3.80	-10	13.5603407	0.251	13.5603406	0.258	13.5603404	0.273	13.5603400	0.302	± 100
3.80	-20	13.5603409	0.236	13.5603406	0.258	13.5603391	0.369	13.5603380	0.450	± 100
3.23	20	13.5603440	0.007	13.5603441	0.000	13.5603444	-0.022	13.5603446	-0.037	± 100
4.37	20	13.5603442	-0.007	13.5603443	-0.015	13.5603446	-0.037	13.5603450	-0.066	± 100

424Kbps

Reference Frequency: EUT Channel 13.56 MHz @ 20°C Limit: ± 100 ppm = 1.356 kHz										
Power Supply	Envir. Temp	Frequency Deviation Measured with Time Elapse								
(Vdc)	(°C)	Startup (MHz)	Delta (ppm)	@ 2 mins (MHz)	Delta (ppm)	@ 5 mins (MHz)	Delta (ppm)	@ 10 mins (MHz)	Delta (ppm)	Limit (ppm)
3.80	50	13.5603455	-0.066	13.5603451	-0.037	13.5603449	-0.022	13.5603448	-0.015	± 100
3.80	40	13.5603456	-0.074	13.5603457	-0.081	13.5603457	-0.081	13.5603460	-0.103	± 100
3.80	30	13.5603446	0.000	13.5603447	-0.007	13.5603448	-0.015	13.5603451	-0.037	± 100
3.80	20	13.5603446	0.000	13.5603446	0.000	13.5603448	-0.015	13.5603450	-0.029	± 100
3.80	10	13.5603427	0.140	13.5603426	0.147	13.5603425	0.155	13.5603422	0.177	± 100
3.80	0	13.5603423	0.170	13.5603422	0.177	13.5603422	0.177	13.5603419	0.199	± 100
3.80	-10	13.5603408	0.280	13.5603406	0.295	13.5603405	0.302	13.5603401	0.332	± 100
3.80	-20	13.5603398	0.354	13.5603397	0.361	13.5603395	0.376	13.5603394	0.383	± 100
3.23	20	13.5603444	0.015	13.5603445	0.007	13.5603447	-0.007	13.5603449	-0.022	± 100
4.37	20	13.5603447	-0.007	13.5603447	-0.007	13.5603448	-0.015	13.5603451	-0.037	± 100

212Kbps

Reference Frequency: EUT Channel 13.56 MHz @ 20°C Limit: ± 100 ppm = 1.356 kHz										
Power Supply	Envir. Temp	Frequency Deviation Measured with Time Elapse								
(Vdc)	(°C)	Startup (MHz)	Delta (ppm)	@ 2 mins (MHz)	Delta (ppm)	@ 5 mins (MHz)	Delta (ppm)	@ 10 mins (MHz)	Delta (ppm)	Limit (ppm)
3.80	50	13.5603457	0.155	13.5603458	0.147	13.5603460	0.133	13.5603463	0.111	± 100
3.80	40	13.5603452	0.192	13.5603453	0.184	13.5603455	0.170	13.5603458	0.147	± 100
3.80	30	13.5603445	0.243	13.5603445	0.243	13.5603446	0.236	13.5603449	0.214	± 100
3.80	20	13.5603478	0.000	13.5603479	-0.007	13.5603480	-0.015	13.5603482	-0.029	± 100
3.80	10	13.5603473	0.037	13.5603474	0.029	13.5603475	0.022	13.5603477	0.007	± 100
3.80	0	13.5603450	0.206	13.5603449	0.214	13.5603451	0.199	13.5603453	0.184	± 100
3.80	-10	13.5603445	0.243	13.5603444	0.251	13.5603444	0.251	13.5603442	0.265	± 100
3.80	-20	13.5603436	0.310	13.5603435	0.317	13.5603433	0.332	13.5603430	0.354	± 100
3.23	20	13.5603477	0.007	13.5603477	0.007	13.5603478	0.000	13.5603480	-0.015	± 100
4.37	20	13.5603479	-0.007	13.5603479	-0.007	13.5603481	-0.022	13.5603483	-0.037	± 100

106Kbps

Reference Frequency: EUT Channel 13.56 MHz @ 20°C Limit: ± 100 ppm = 1.356 kHz										
Power Supply	Envir. Temp	Frequency Deviation Measured with Time Elapse								
(Vdc)	(°C)	Startup (MHz)	Delta (ppm)	@ 2 mins (MHz)	Delta (ppm)	@ 5 mins (MHz)	Delta (ppm)	@ 10 mins (MHz)	Delta (ppm)	Limit (ppm)
3.80	50	13.5603448	-0.111	13.5603444	-0.081	13.5603443	-0.074	13.5603000	3.193	± 100
3.80	40	13.5603444	-0.081	13.5603445	-0.088	13.5603446	-0.096	13.5603446	-0.096	± 100
3.80	30	13.5603443	-0.074	13.5603443	-0.074	13.5603445	-0.088	13.5603448	-0.111	± 100
3.80	20	13.5603433	0.000	13.5603433	0.000	13.5603434	-0.007	13.5603435	-0.015	± 100
3.80	10	13.5603426	0.052	13.5603425	0.059	13.5603426	0.052	13.5603428	0.037	± 100
3.80	0	13.5603421	0.088	13.5603420	0.096	13.5603419	0.103	13.5603417	0.118	± 100
3.80	-10	13.5603405	0.206	13.5603404	0.214	13.5603402	0.229	13.5603399	0.251	± 100
3.80	-20	13.5603398	0.258	13.5603397	0.265	13.5603395	0.280	13.5603392	0.302	± 100
3.23	20	13.5603432	0.007	13.5603432	0.007	13.5603433	0.000	13.5603434	-0.007	± 100
4.37	20	13.5603435	-0.015	13.5603435	-0.015	13.5603437	-0.029	13.5603439	-0.044	± 100

Type B 848Kbps

Reference Frequency: EUT Channel 13.56 MHz @ 20°C Limit: ± 100 ppm = 1.356 kHz										
Power Supply	Envir. Temp	Frequency Deviation Measured with Time Elapse								
(Vdc)	(°C)	Startup (MHz)	Delta (ppm)	@ 2 mins (MHz)	Delta (ppm)	@ 5 mins (MHz)	Delta (ppm)	@ 10 mins (MHz)	Delta (ppm)	Limit (ppm)
3.80	50	13.5603431	0.081	13.5603430	0.088	13.5603427	0.111	13.5603426	0.118	± 100
3.80	40	13.5603433	0.066	13.5603434	0.059	13.5603435	0.052	13.5603437	0.037	± 100
3.80	30	13.5603435	0.052	13.5603436	0.044	13.5603438	0.029	13.5603441	0.007	± 100
3.80	20	13.5603442	0.000	13.5603443	-0.007	13.5603445	-0.022	13.5603448	-0.044	± 100
3.80	10	13.5603430	0.088	13.5603431	0.081	13.5603435	0.052	13.5603439	0.022	± 100
3.80	0	13.5603417	0.184	13.5603417	0.184	13.5603420	0.162	13.5603422	0.147	± 100
3.80	-10	13.5603409	0.243	13.5603408	0.251	13.5603406	0.265	13.5603405	0.273	± 100
3.80	-20	13.5603401	0.302	13.5603400	0.310	13.5603399	0.317	13.5603397	0.332	± 100
3.23	20	13.5603440	0.015	13.5603440	0.015	13.5603442	0.000	13.5603445	-0.022	± 100
4.37	20	13.5603444	-0.015	13.5603445	-0.022	13.5603447	-0.037	13.5603450	-0.059	± 100

424Kbps

Reference Frequency: EUT Channel 13.56 MHz @ 20°C Limit: ± 100 ppm = 1.356 kHz										
Power Supply	Envir. Temp	Frequency Deviation Measured with Time Elapse								
(Vdc)	(°C)	Startup (MHz)	Delta (ppm)	@ 2 mins (MHz)	Delta (ppm)	@ 5 mins (MHz)	Delta (ppm)	@ 10 mins (MHz)	Delta (ppm)	Limit (ppm)
3.80	50	13.5603425	0.044	13.5603424	0.052	13.5603423	0.059	13.5603421	0.074	± 100
3.80	40	13.5603425	0.044	13.5603426	0.037	13.5603427	0.029	13.5603429	0.015	± 100
3.80	30	13.5603430	0.007	13.5603430	0.007	13.5603429	0.015	13.5603428	0.022	± 100
3.80	20	13.5603431	0.000	13.5603432	-0.007	13.5603433	-0.015	13.5603436	-0.037	± 100
3.80	10	13.5603447	-0.118	13.5603448	-0.125	13.5603450	-0.140	13.5603453	-0.162	± 100
3.80	0	13.5603451	-0.147	13.5603452	-0.155	13.5603455	-0.177	13.5603458	-0.199	± 100
3.80	-10	13.5603446	-0.111	13.5603446	-0.111	13.5603447	-0.118	13.5603449	-0.133	± 100
3.80	-20	13.5603447	-0.118	13.5603446	-0.111	13.5603444	-0.096	13.5603442	-0.081	± 100
3.23	20	13.5603429	0.015	13.5603429	0.015	13.5603428	0.022	13.5603427	0.029	± 100
4.37	20	13.5603430	0.007	13.5603429	0.015	13.5603431	0.000	13.5603434	-0.022	± 100

212Kbps

Reference Frequency: EUT Channel 13.56 MHz @ 20°C Limit: ± 100 ppm = 1.356 kHz										
Power Supply	Envir. Temp	Frequency Deviation Measured with Time Elapse								
(Vdc)	(°C)	Startup (MHz)	Delta (ppm)	@ 2 mins (MHz)	Delta (ppm)	@ 5 mins (MHz)	Delta (ppm)	@ 10 mins (MHz)	Delta (ppm)	Limit (ppm)
3.80	50	13.5603429	0.111	13.5603430	0.103	13.5603431	0.096	13.5603433	0.081	± 100
3.80	40	13.5603432	0.088	13.5603432	0.088	13.5603434	0.074	13.5603437	0.052	± 100
3.80	30	13.5603441	0.022	13.5603440	0.029	13.5603438	0.044	13.5603435	0.066	± 100
3.80	20	13.5603444	0.000	13.5603445	-0.007	13.5603445	-0.007	13.5603446	-0.015	± 100
3.80	10	13.5603448	-0.029	13.5603447	-0.022	13.5603445	-0.007	13.5603443	0.007	± 100
3.80	0	13.5603449	-0.037	13.5603449	-0.037	13.5603448	-0.029	13.5603446	-0.015	± 100
3.80	-10	13.5603449	-0.037	13.5603449	-0.037	13.5603447	-0.022	13.5603446	-0.015	± 100
3.80	-20	13.5603444	0.000	13.5603442	0.015	13.5603440	0.029	13.5603437	0.052	± 100
3.23	20	13.5603443	0.007	13.5603443	0.007	13.5603444	0.000	13.5603445	-0.007	± 100
4.37	20	13.5603445	-0.007	13.5603446	-0.015	13.5603447	-0.022	13.5603449	-0.037	± 100

106Kbps

Reference Frequency: EUT Channel 13.56 MHz @ 20°C Limit: ± 100 ppm = 1.356 kHz										
Power Supply	Envir. Temp	Frequency Deviation Measured with Time Elapse								
(Vdc)	(°C)	Startup (MHz)	Delta (ppm)	@ 2 mins (MHz)	Delta (ppm)	@ 5 mins (MHz)	Delta (ppm)	@ 10 mins (MHz)	Delta (ppm)	Limit (ppm)
3.80	50	13.5603426	0.096	13.5603426	0.096	13.5603424	0.111	13.5603421	0.133	± 100
3.80	40	13.5603434	0.037	13.5603435	0.029	13.5603437	0.015	13.5603440	-0.007	± 100
3.80	30	13.5603435	0.029	13.5603436	0.022	13.5603435	0.029	13.5603434	0.037	± 100
3.80	20	13.5603439	0.000	13.5603438	0.007	13.5603436	0.022	13.5603434	0.037	± 100
3.80	10	13.5603450	-0.081	13.5603451	-0.088	13.5603453	-0.103	13.5603456	-0.125	± 100
3.80	0	13.5603456	-0.125	13.5603457	-0.133	13.5607459	-29.646	13.5603462	-0.170	± 100
3.80	-10	13.5603450	-0.081	13.5603450	-0.081	13.5603452	-0.096	13.5603455	-0.118	± 100
3.80	-20	13.5603449	-0.074	13.5603450	-0.081	13.5603447	-0.059	13.5603444	-0.037	± 100
3.23	20	13.5603346	0.686	13.5603346	0.686	13.5603348	0.671	13.5603349	0.664	± 100
4.37	20	13.5603348	0.671	13.5603349	0.664	13.5603351	0.649	13.5603354	0.627	± 100

Type F 424Kbps

Reference Frequency: EUT Channel 13.56 MHz @ 20°C Limit: ± 100 ppm = 1.356 kHz										
Power Supply	Envir. Temp	Frequency Deviation Measured with Time Elapse								
(Vdc)	(°C)	Startup (MHz)	Delta (ppm)	@ 2 mins (MHz)	Delta (ppm)	@ 5 mins (MHz)	Delta (ppm)	@ 10 mins (MHz)	Delta (ppm)	Limit (ppm)
3.80	50	13.5603452	-0.059	13.5603453	-0.066	13.5603455	-0.081	13.5603458	-0.103	± 100
3.80	40	13.5603454	-0.074	13.5603455	-0.081	13.5603457	-0.096	13.5603460	-0.118	± 100
3.80	30	13.5603444	0.000	13.5603445	-0.007	13.5603446	-0.015	13.5603449	-0.037	± 100
3.80	20	13.5603444	0.000	13.5603444	0.000	13.5603443	0.007	13.5603444	0.000	± 100
3.80	10	13.5603429	0.111	13.5603429	0.111	13.5603427	0.125	13.5603426	0.133	± 100
3.80	0	13.5603425	0.140	13.5603424	0.147	13.5603422	0.162	13.5603419	0.184	± 100
3.80	-10	13.5603412	0.236	13.5603408	0.265	13.5603402	0.310	13.5603398	0.339	± 100
3.80	-20	13.5603395	0.361	13.5603394	0.369	13.5603393	0.376	13.5603390	0.398	± 100
3.23	20	13.5603442	0.015	13.5603442	0.015	13.5603444	0.000	13.5603446	-0.015	± 100
4.37	20	13.5603445	-0.007	13.5603445	-0.007	13.5603446	-0.015	13.5603448	-0.029	± 100

212Kbps

Reference Frequency: EUT Channel 13.56 MHz @ 20°C Limit: ± 100 ppm = 1.356 kHz										
Power Supply	Envir. Temp	Frequency Deviation Measured with Time Elapse								
(Vdc)	(°C)	Startup (MHz)	Delta (ppm)	@ 2 mins (MHz)	Delta (ppm)	@ 5 mins (MHz)	Delta (ppm)	@ 10 mins (MHz)	Delta (ppm)	Limit (ppm)
3.80	50	13.5603457	-0.088	13.5603457	-0.088	13.5603458	-0.096	13.5603459	-0.103	± 100
3.80	40	13.5603455	-0.074	13.5603456	-0.081	13.5603457	-0.088	13.5603459	-0.103	± 100
3.80	30	13.5603442	0.022	13.5603442	0.022	13.5603443	0.015	13.5603442	0.022	± 100
3.80	20	13.5603445	0.000	13.5603445	0.000	13.5603446	-0.007	13.5603446	-0.007	± 100
3.80	10	13.5603431	0.103	13.5603432	0.096	13.5603432	0.096	13.5603433	0.088	± 100
3.80	0	13.5603425	0.147	13.5603425	0.147	13.5603424	0.155	13.5603424	0.155	± 100
3.80	-10	13.5603408	0.273	13.5603408	0.273	13.5603407	0.280	13.5603406	0.288	± 100
3.80	-20	13.5603403	0.310	13.5603403	0.310	13.5603402	0.317	13.5603401	0.324	± 100
3.23	20	13.5603445	0.000	13.5603446	-0.007	13.5603446	-0.007	13.5603446	-0.007	± 100
4.37	20	13.5603446	-0.007	13.5603446	-0.007	13.5603446	-0.007	13.5603447	-0.015	± 100

9.2. READER MODE

Type A 848Kbps

Reference Frequency: EUT Channel 13.56 MHz @ 20°C Limit: ± 100 ppm = 1.356 kHz										
Power Supply	Envir. Temp	Frequency Deviation Measured with Time Elapse								
(Vdc)	(°C)	Startup (MHz)	Delta (ppm)	@ 2 mins (MHz)	Delta (ppm)	@ 5 mins (MHz)	Delta (ppm)	@ 10 mins (MHz)	Delta (ppm)	Limit (ppm)
3.80	50	13.5603434	0.133	13.5603433	0.140	13.5603432	0.147	13.5603429	0.170	± 100
3.80	40	13.5603436	0.118	13.5603435	0.125	13.5603435	0.125	13.5603432	0.147	± 100
3.80	30	13.5603446	0.044	13.5603447	0.037	13.5603443	0.066	13.5603438	0.103	± 100
3.80	20	13.5603452	0.000	13.5603453	-0.007	13.5603455	-0.022	13.5603456	-0.029	± 100
3.80	10	13.5603451	0.007	13.5603452	0.000	13.5603450	0.015	13.5603448	0.029	± 100
3.80	0	13.5603453	-0.007	13.5603453	-0.007	13.5603452	0.000	13.5603450	0.015	± 100
3.80	-10	13.5603452	0.000	13.5603452	0.000	13.5603452	0.000	13.5603451	0.007	± 100
3.80	-20	13.5603445	0.052	13.5603444	0.059	13.5603443	0.066	13.5603441	0.081	± 100
3.23	20	13.5603450	0.015	13.5603451	0.007	13.5603452	0.000	13.5603455	-0.022	± 100
4.37	20	13.5603451	0.007	13.5603452	0.000	13.5603454	-0.015	13.5603457	-0.037	± 100

424Kbps

Reference Frequency: EUT Channel 13.56 MHz @ 20°C Limit: ± 100 ppm = 1.356 kHz										
Power Supply	Envir. Temp	Frequency Deviation Measured with Time Elapse								
(Vdc)	(°C)	Startup (MHz)	Delta (ppm)	@ 2 mins (MHz)	Delta (ppm)	@ 5 mins (MHz)	Delta (ppm)	@ 10 mins (MHz)	Delta (ppm)	Limit (ppm)
3.80	50	13.5603451	-0.044	13.5603452	-0.052	13.5603454	-0.066	13.5603457	-0.088	± 100
3.80	40	13.5603453	-0.059	13.5603454	-0.066	13.5603456	-0.081	13.5603458	-0.096	± 100
3.80	30	13.5603442	0.022	13.5603443	0.015	13.5603445	0.000	13.5603448	-0.022	± 100
3.80	20	13.5603445	0.000	13.5603445	0.000	13.5603446	-0.007	13.5603448	-0.022	± 100
3.80	10	13.5603427	0.133	13.5603428	0.125	13.5603429	0.118	13.5603431	0.103	± 100
3.80	0	13.5603424	0.155	13.5603423	0.162	13.5603421	0.177	13.5603418	0.199	± 100
3.80	-10	13.5603405	0.295	13.5603404	0.302	13.5603404	0.302	13.5603402	0.317	± 100
3.80	-20	13.5603397	0.354	13.5603398	0.347	13.5603397	0.354	13.5603395	0.369	± 100
3.23	20	13.5603444	0.007	13.5603445	0.000	13.5603445	0.000	13.5603447	-0.015	± 100
4.37	20	13.5603446	-0.007	13.5603446	-0.007	13.5603447	-0.015	13.5603449	-0.029	± 100

212Kbps

Reference Frequency: EUT Channel 13.56 MHz @ 20°C Limit: ± 100 ppm = 1.356 kHz										
Power Supply	Envir. Temp	Frequency Deviation Measured with Time Elapse								
(Vdc)	(°C)	Startup (MHz)	Delta (ppm)	@ 2 mins (MHz)	Delta (ppm)	@ 5 mins (MHz)	Delta (ppm)	@ 10 mins (MHz)	Delta (ppm)	Limit (ppm)
3.80	50	13.5603451	-0.088	13.5603452	-0.096	13.5603446	-0.052	13.5603443	-0.029	± 100
3.80	40	13.5603445	-0.044	13.5603446	-0.052	13.5603447	-0.059	13.5603449	-0.074	± 100
3.80	30	13.5603444	-0.037	13.5603445	-0.044	13.5603442	-0.022	13.5603440	-0.007	± 100
3.80	20	13.5603439	0.000	13.5603439	0.000	13.5603441	-0.015	13.5603443	-0.029	± 100
3.80	10	13.5603426	0.096	13.5603424	0.111	13.5603423	0.118	13.5603420	0.140	± 100
3.80	0	13.5603420	0.140	13.5603419	0.147	13.5603417	0.162	13.5603415	0.177	± 100
3.80	-10	13.5603404	0.258	13.5603405	0.251	13.5603402	0.273	13.5603400	0.288	± 100
3.80	-20	13.5603396	0.317	13.5603395	0.324	13.5603393	0.339	13.5603392	0.347	± 100
3.23	20	13.5603437	0.015	13.5603438	0.007	13.5603440	-0.007	13.5603441	-0.015	± 100
4.37	20	13.5603440	-0.007	13.5603441	-0.015	13.5603443	-0.029	13.5603446	-0.052	± 100

106Kbps

Reference Frequency: EUT Channel 13.56 MHz @ 20°C Limit: ± 100 ppm = 1.356 kHz										
Power Supply	Envir. Temp	Frequency Deviation Measured with Time Elapse								
(Vdc)	(°C)	Startup (MHz)	Delta (ppm)	@ 2 mins (MHz)	Delta (ppm)	@ 5 mins (MHz)	Delta (ppm)	@ 10 mins (MHz)	Delta (ppm)	Limit (ppm)
3.80	50	13.5603458	-0.088	13.5603459	-0.096	13.5603457	-0.081	13.5603454	-0.059	± 100
3.80	40	13.5603449	-0.022	13.5603450	-0.029	13.5603453	-0.052	13.5603457	-0.081	± 100
3.80	30	13.5603441	0.037	13.5603442	0.029	13.5603441	0.037	13.5603443	0.022	± 100
3.80	20	13.5603446	0.000	13.5603446	0.000	13.5603447	-0.007	13.5603449	-0.022	± 100
3.80	10	13.5603458	-0.088	13.5603427	0.140	13.5603429	0.125	13.5603431	0.111	± 100
3.80	0	13.5603423	0.170	13.5603424	0.162	13.5603422	0.177	13.5603418	0.206	± 100
3.80	-10	13.5603407	0.288	13.5603406	0.295	13.5603404	0.310	13.5603400	0.339	± 100
3.80	-20	13.5603399	0.347	13.5603398	0.354	13.5603397	0.361	13.5603395	0.376	± 100
3.23	20	13.5603445	0.007	13.5603445	0.007	13.5603446	0.000	13.5603448	-0.015	± 100
4.37	20	13.5603447	-0.007	13.5603448	-0.015	13.5603450	-0.029	13.5603453	-0.052	± 100

Type B 848Kbps

Reference Frequency: EUT Channel 13.56 MHz @ 20°C Limit: ± 100 ppm = 1.356 kHz										
Power Supply	Envir. Temp	Frequency Deviation Measured with Time Elapse								
(Vdc)	(°C)	Startup (MHz)	Delta (ppm)	@ 2 mins (MHz)	Delta (ppm)	@ 5 mins (MHz)	Delta (ppm)	@ 10 mins (MHz)	Delta (ppm)	Limit (ppm)
3.80	50	13.5603453	-0.111	13.5603454	-0.118	13.5603452	-0.103	13.5603450	-0.088	± 100
3.80	40	13.5603450	-0.088	13.5603449	-0.081	13.5603450	-0.088	13.5603451	-0.096	± 100
3.80	30	13.5603447	-0.066	13.5603446	-0.059	13.5603445	-0.052	13.5603442	-0.029	± 100
3.80	20	13.5603438	0.000	13.5603439	-0.007	13.5603441	-0.022	13.5603444	-0.044	± 100
3.80	10	13.5603426	0.088	13.5603425	0.096	13.5603424	0.103	13.5603421	0.125	± 100
3.80	0	13.5603424	0.103	13.5603423	0.111	13.5603421	0.125	13.5603418	0.147	± 100
3.80	-10	13.5603405	0.243	13.5603405	0.243	13.5603406	0.236	13.5603403	0.258	± 100
3.80	-20	13.5603397	0.302	13.5603396	0.310	13.5603394	0.324	13.5603391	0.347	± 100
3.23	20	13.5603436	0.015	13.5603436	0.015	13.5603438	0.000	13.5603440	-0.015	± 100
4.37	20	13.5603439	-0.007	13.5603441	-0.022	13.5603443	-0.037	13.5603446	-0.059	± 100

424Kbps

Reference Frequency: EUT Channel 13.56 MHz @ 20°C Limit: ± 100 ppm = 1.356 kHz										
Power Supply	Envir. Temp	Frequency Deviation Measured with Time Elapse								
(Vdc)	(°C)	Startup (MHz)	Delta (ppm)	@ 2 mins (MHz)	Delta (ppm)	@ 5 mins (MHz)	Delta (ppm)	@ 10 mins (MHz)	Delta (ppm)	Limit (ppm)
3.80	50	13.5603444	-0.015	13.5603442	0.000	13.5603439	0.022	13.5603437	0.037	± 100
3.80	40	13.5603456	-0.103	13.5603456	-0.103	13.5603455	-0.096	13.5603455	-0.096	± 100
3.80	30	13.5603449	-0.052	13.5603449	-0.052	13.5603449	-0.052	13.5603449	-0.052	± 100
3.80	20	13.5603442	0.000	13.5603442	0.000	13.5603442	0.000	13.5603441	0.007	± 100
3.80	10	13.5603441	0.007	13.5603442	0.000	13.5603442	0.000	13.5603442	0.000	± 100
3.80	0	13.5603420	0.162	13.5603422	0.147	13.5603423	0.140	13.5603428	0.103	± 100
3.80	-10	13.5603411	0.229	13.5603411	0.229	13.5603411	0.229	13.5603411	0.229	± 100
3.80	-20	13.5603398	0.324	13.5603397	0.332	13.5603397	0.332	13.5603397	0.332	± 100
3.23	20	13.5603441	0.007	13.5603441	0.007	13.5603442	0.000	13.5603444	-0.015	± 100
4.37	20	13.5603443	-0.007	13.5603443	-0.007	13.5603444	-0.015	13.5603445	-0.022	± 100

212Kbps

Reference Frequency: EUT Channel 13.56 MHz @ 20°C Limit: ± 100 ppm = 1.356 kHz										
Power Supply	Envir. Temp	Frequency Deviation Measured with Time Elapse								
(Vdc)	(°C)	Startup (MHz)	Delta (ppm)	@ 2 mins (MHz)	Delta (ppm)	@ 5 mins (MHz)	Delta (ppm)	@ 10 mins (MHz)	Delta (ppm)	Limit (ppm)
3.80	50	13.5603461	-0.111	13.5603455	-0.066	13.5603456	-0.074	13.5603458	-0.088	± 100
3.80	40	13.5603450	-0.029	13.5603452	-0.044	13.5603455	-0.066	13.5603460	-0.103	± 100
3.80	30	13.5603449	-0.022	13.5603450	-0.029	13.5603453	-0.052	13.5603455	-0.066	± 100
3.80	20	13.5603446	0.000	13.5603445	0.007	13.5603444	0.015	13.5603443	0.022	± 100
3.80	10	13.5603438	0.059	13.5603439	0.052	13.5603441	0.037	13.5603444	0.015	± 100
3.80	0	13.5603420	0.192	13.5603419	0.199	13.5603422	0.177	13.5603425	0.155	± 100
3.80	-10	13.5603409	0.273	13.5603408	0.280	13.5603410	0.265	13.5603400	0.339	± 100
3.80	-20	13.5603403	0.317	13.5603402	0.324	13.5603402	0.324	13.5603400	0.339	± 100
3.23	20	13.5603445	0.007	13.5603445	0.007	13.5603445	0.007	13.5603444	0.015	± 100
4.37	20	13.5603446	0.000	13.5603447	-0.007	13.5603447	-0.007	13.5603449	-0.022	± 100

106Kbps

Reference Frequency: EUT Channel 13.56 MHz @ 20°C Limit: ± 100 ppm = 1.356 kHz										
Power Supply	Envir. Temp	Frequency Deviation Measured with Time Elapse								
(Vdc)	(°C)	Startup (MHz)	Delta (ppm)	@ 2 mins (MHz)	Delta (ppm)	@ 5 mins (MHz)	Delta (ppm)	@ 10 mins (MHz)	Delta (ppm)	Limit (ppm)
3.80	50	13.5603448	-0.029	13.5603448	-0.029	13.5603450	-0.044	13.5603451	-0.052	± 100
3.80	40	13.5603446	-0.015	13.5603446	-0.015	13.5603448	-0.029	13.5603452	-0.059	± 100
3.80	30	13.5603445	-0.007	13.5603445	-0.007	13.5603448	-0.029	13.5603447	-0.022	± 100
3.80	20	13.5603444	0.000	13.5603444	0.000	13.5603445	-0.007	13.5603446	-0.015	± 100
3.80	10	13.5603427	0.125	13.5603426	0.133	13.5603428	0.118	13.5603430	0.103	± 100
3.80	0	13.5603425	0.140	13.5603424	0.147	13.5603422	0.162	13.5603419	0.184	± 100
3.80	-10	13.5603412	0.236	13.5603411	0.243	13.5603409	0.258	13.5603406	0.280	± 100
3.80	-20	13.5603403	0.302	13.5603402	0.310	13.5603400	0.324	13.5603398	0.339	± 100
3.23	20	13.5603443	0.007	13.5603443	0.007	13.5603444	0.000	13.5603446	-0.015	± 100
4.37	20	13.5603444	0.000	13.5603444	0.000	13.5603445	-0.007	13.5603447	-0.022	± 100

Type F 424Kbps

Reference Frequency: EUT Channel 13.56 MHz @ 20°C Limit: ± 100 ppm = 1.356 kHz										
Power Supply	Envir. Temp	Frequency Deviation Measured with Time Elapse								
(Vdc)	(°C)	Startup (MHz)	Delta (ppm)	@ 2 mins (MHz)	Delta (ppm)	@ 5 mins (MHz)	Delta (ppm)	@ 10 mins (MHz)	Delta (ppm)	Limit (ppm)
3.80	50	13.5603446	-0.074	13.5603445	-0.066	13.5603443	-0.052	13.5603441	-0.037	± 100
3.80	40	13.5603444	-0.059	13.5603445	-0.066	13.5603447	-0.081	13.5603449	-0.096	± 100
3.80	30	13.5603446	-0.074	13.5603445	-0.066	13.5603444	-0.059	13.5603442	-0.044	± 100
3.80	20	13.5603436	0.000	13.5603435	0.007	13.5603433	0.022	13.5603438	-0.015	± 100
3.80	10	13.5603427	0.066	13.5603426	0.074	13.5603424	0.088	13.5603421	0.111	± 100
3.80	0	13.5603422	0.103	13.5603422	0.103	13.5603420	0.118	13.5603417	0.140	± 100
3.80	-10	13.5603408	0.206	13.5603407	0.214	13.5603404	0.236	13.5603400	0.265	± 100
3.80	-20	13.5603398	0.280	13.5603397	0.288	13.5603396	0.295	13.5603394	0.310	± 100
3.23	20	13.5603436	0.000	13.5603436	0.000	13.5603437	-0.007	13.5603440	-0.029	± 100
4.37	20	13.5603437	-0.007	13.5603436	0.000	13.5603438	-0.015	13.5603443	-0.052	± 100

212Kbps

Reference Frequency: EUT Channel 13.56 MHz @ 20°C Limit: ± 100 ppm = 1.356 kHz										
Power Supply	Envir. Temp	Frequency Deviation Measured with Time Elapse								
(Vdc)	(°C)	Startup (MHz)	Delta (ppm)	@ 2 mins (MHz)	Delta (ppm)	@ 5 mins (MHz)	Delta (ppm)	@ 10 mins (MHz)	Delta (ppm)	Limit (ppm)
3.80	50	13.5603456	-0.059	13.5603354	0.693	13.5603353	0.701	13.5603451	-0.022	± 100
3.80	40	13.5603454	-0.044	13.5603454	-0.044	13.5603455	-0.052	13.5603457	-0.066	± 100
3.80	30	13.5603442	0.044	13.5603442	0.044	13.5603443	0.037	13.5603450	-0.015	± 100
3.80	20	13.5603448	0.000	13.5603446	0.015	13.5603445	0.022	13.5603443	0.037	± 100
3.80	10	13.5603436	0.088	13.5603435	0.096	13.5603436	0.088	13.5603434	0.103	± 100
3.80	0	13.5603429	0.140	13.5603428	0.147	13.5603427	0.155	13.5603425	0.170	± 100
3.80	-10	13.5603410	0.280	13.5603409	0.288	13.5603407	0.302	13.5603405	0.317	± 100
3.80	-20	13.5603400	0.354	13.5603400	0.354	13.5603398	0.369	13.5603396	0.383	± 100
3.23	20	13.5603447	0.007	13.5603447	0.007	13.5603446	0.015	13.5603444	0.029	± 100
4.37	20	13.5603447	0.007	13.5603448	0.000	13.5603446	0.015	13.5603444	0.029	± 100

10. 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:

10.1. CE MODE TYPE A

10.1.1. NORMAL OPERATION, 848 KBPS

WORST EMISSIONS

Trace Markers

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	32.63	Qp	1.2	0	10.1	43.93	65.06	-21.13	-	-
2	.168	15.34	Ca	1.2	0	10.1	26.64	-	-	55.06	-28.42
3	.19725	31.6	Qp	1	0	10.1	42.7	63.73	-21.03	-	-
4	.1995	14.29	Ca	.9	0	10.1	25.29	-	-	53.63	-28.34
5	.25125	29.68	Qp	.7	0	10.1	40.48	61.72	-21.24	-	-
6	.2535	13.88	Ca	.7	0	10.1	24.68	-	-	51.64	-26.96
7	.8115	31.34	Qp	.3	0	10.1	41.74	56	-14.26	-	-
8	.81375	23.92	Ca	.3	0	10.1	34.32	-	-	46	-11.68
9	1.43475	18.49	Qp	.2	.1	10.1	28.89	56	-27.11	-	-
10	1.43475	12.15	Ca	.2	.1	10.1	22.55	-	-	46	-23.45
11	13.56	54.74	Qp	.2	.2	10.2	65.34	60	5.34	-	-
12	13.56	51.67	Ca	.2	.2	10.2	62.27	-	-	50	12.27

Qp - Quasi-Peak detector

Ca - CISPR average detection

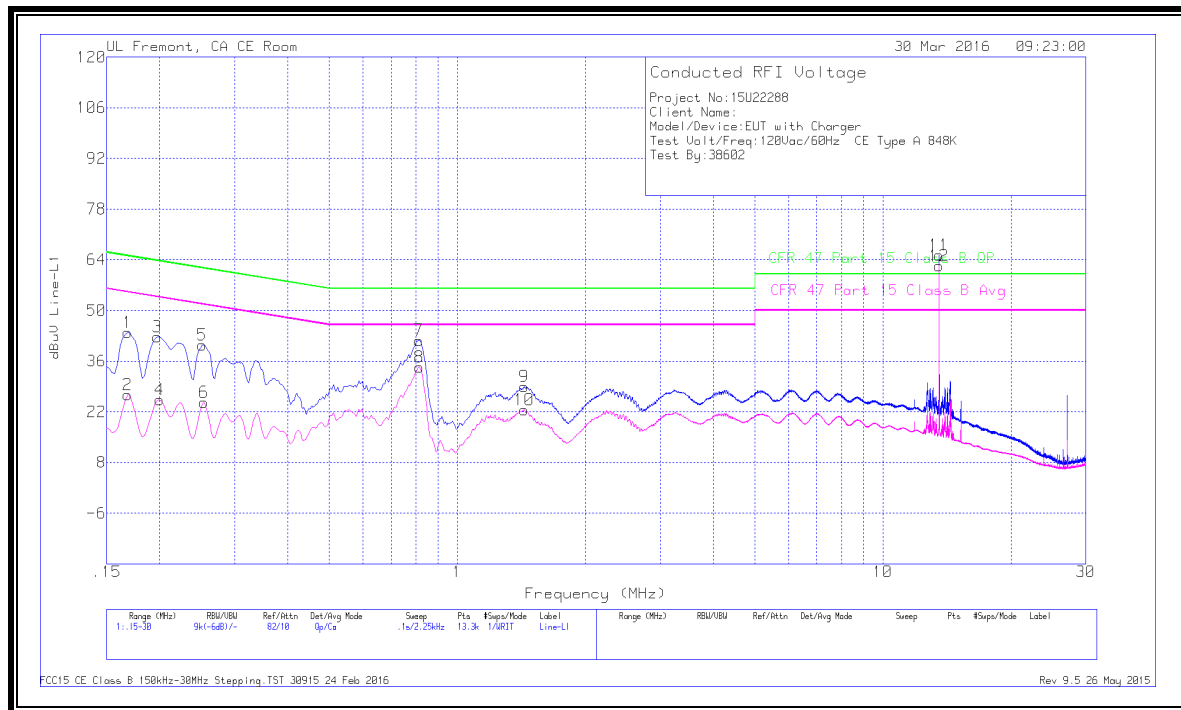
Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2	LC Cables 2&3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
13	.168	33.49	Qp	1.3	0	10.1	44.89	65.06	-20.17	-	-
14	.168	14.99	Ca	1.3	0	10.1	26.39	-	-	55.06	-28.67
15	.19725	30.51	Qp	1	0	10.1	41.61	63.73	-22.12	-	-
16	.1995	11.51	Ca	1	0	10.1	22.61	-	-	53.63	-31.02
17	.2535	30.35	Qp	.7	0	10.1	41.15	61.64	-20.49	-	-
18	.2535	11.96	Ca	.7	0	10.1	22.76	-	-	51.64	-28.88
19	.81825	32.03	Qp	.3	0	10.1	42.43	56	-13.57	-	-
20	.81487	18.28	Ca	.3	0	10.1	28.68	-	-	46	-17.32
21	1.4325	16.86	Qp	.2	.1	10.1	27.26	56	-28.74	-	-
22	1.4325	6.31	Ca	.2	.1	10.1	16.71	-	-	46	-29.29
23	13.56	54.57	Qp	.2	.2	10.2	65.17	60	5.17	-	-
24	13.56	51.2	Ca	.2	.2	10.2	61.8	-	-	50	11.8

Qp - Quasi-Peak detector

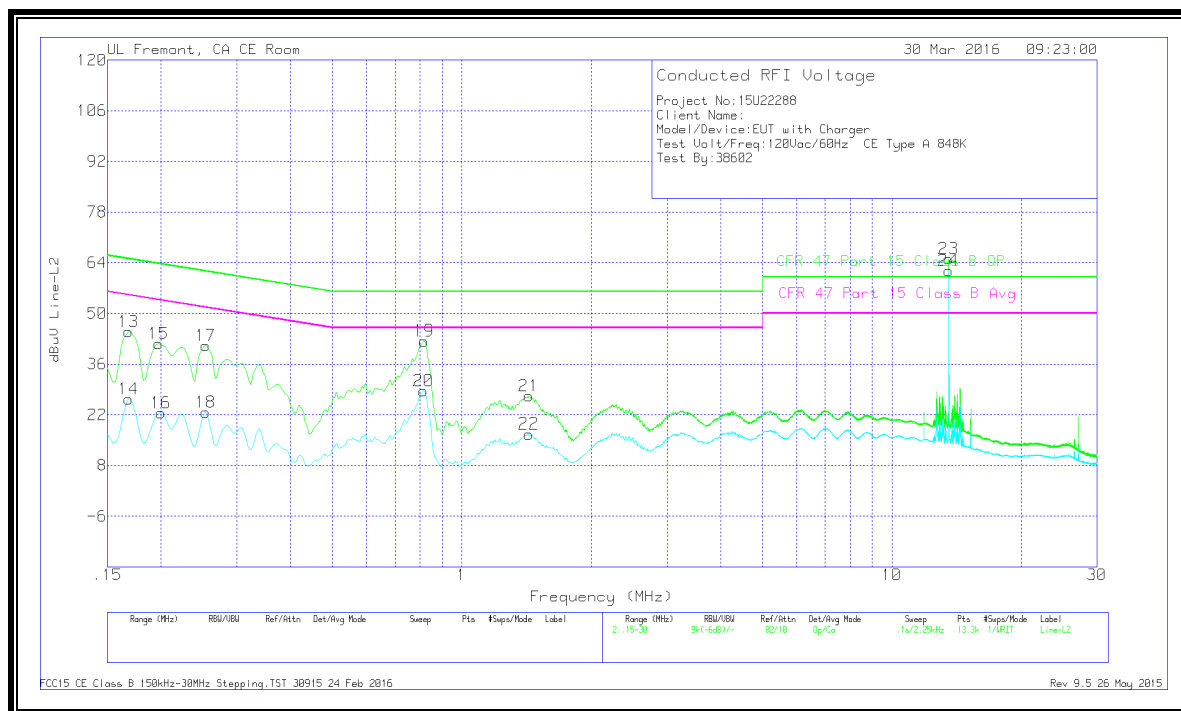
Ca - CISPR average detection

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



10.1.2. 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	.16575	23.62	Qp	1.2	0	10.1	34.92	65.17	-30.25	-	-
2	.16575	9.8	Ca	1.2	0	10.1	21.1	-	-	55.17	-34.07
3	.195	20.64	Qp	1	0	10.1	31.74	63.82	-32.08	-	-
4	.195	8.41	Ca	1	0	10.1	19.51	-	-	53.82	-34.31
5	.249	18.34	Qp	.7	0	10.1	29.14	61.79	-32.65	-	-
6	.249	8.73	Ca	.7	0	10.1	19.53	-	-	51.79	-32.26
7	.58875	17.71	Qp	.3	0	10.1	28.11	56	-27.89	-	-
8	.5775	9.94	Ca	.3	0	10.1	20.34	-	-	46	-25.66
9	.7935	26.26	Qp	.3	0	10.1	36.66	56	-19.34	-	-
10	.798	18.94	Ca	.3	0	10.1	29.34	-	-	46	-16.66
11	13.56	38.81	Qp	.2	.2	10.2	49.41	60	-10.59	-	-
12	13.56	35.57	Ca	.2	.2	10.2	46.17	-	-	50	-3.83

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	24.79	Qp	1.3	0	10.1	36.19	65.17	-28.98	-	-
14	.16575	7.79	Ca	1.3	0	10.1	19.19	-	-	55.17	-35.98
15	.249	21.13	Qp	.7	0	10.1	31.93	61.79	-29.86	-	-
16	.249	4	Ca	.7	0	10.1	14.8	-	-	51.79	-36.99
17	.33	17.27	Qp	.5	0	10.1	27.87	59.45	-31.58	-	-
18	.33225	1.07	Ca	.5	0	10.1	11.67	-	-	49.39	-37.72
19	.5775	17.01	Qp	.3	0	10.1	27.41	56	-28.59	-	-
20	.5775	5.21	Ca	.3	0	10.1	15.61	-	-	46	-30.39
21	.80025	26.24	Qp	.3	0	10.1	36.64	56	-19.36	-	-
22	.7845	15.47	Ca	.3	0	10.1	25.87	-	-	46	-20.13
23	13.56	38.46	Qp	.2	.2	10.2	49.06	60	-10.94	-	-
24	13.56	35.15	Ca	.2	.2	10.2	45.75	-	-	50	-4.25

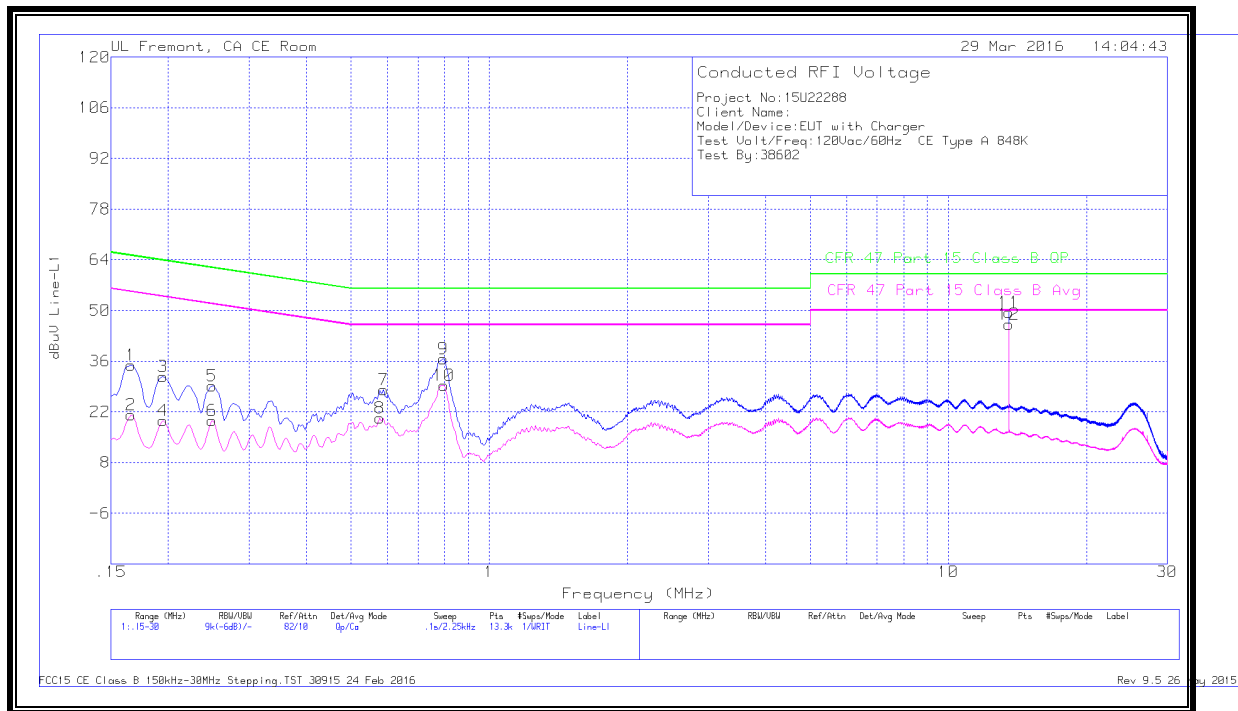
Qp - Quasi-Peak detector

Ca - CISPR average detection

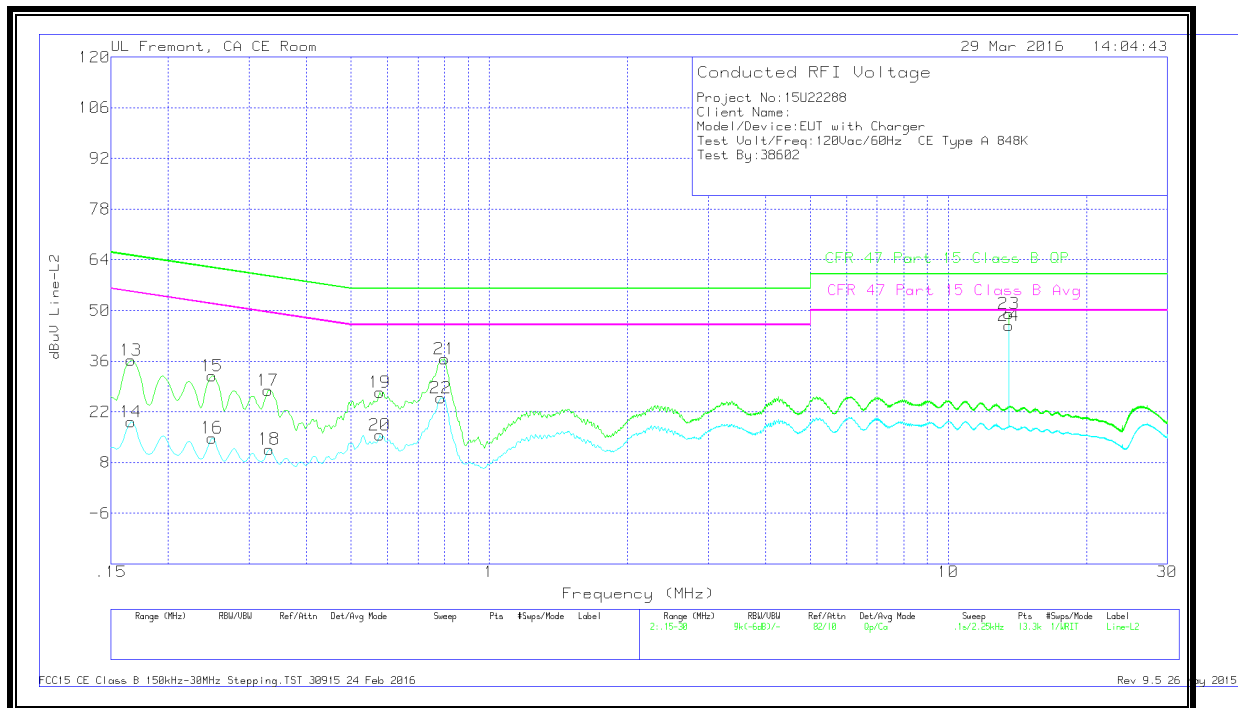
FCC15 CE Class B 150kHz-30MHz Stepping.TST 30915 24 Feb 2016

Rev 9.5 26 May 2015

LINE 1 RESULTS



LINE 2 RESULTS



10.1.3. NORMAL OPERATION, 424 KBPS

WORST EMISSIONS

Trace Markers

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	32.75	Qp	1.2	0	10.1	44.05	65.06	-21.01	-	-
2	.168	15.67	Ca	1.2	0	10.1	26.97	-	-	55.06	-28.09
3	.19725	31.74	Qp	1	0	10.1	42.84	63.73	-20.89	-	-
4	.1995	14.57	Ca	.9	0	10.1	25.57	-	-	53.63	-28.06
5	.25238	29.75	Qp	.7	0	10.1	40.55	61.68	-21.13	-	-
6	.2535	14.11	Ca	.7	0	10.1	24.91	-	-	51.64	-26.73
7	.59775	20.13	Qp	.3	0	10.1	30.53	56	-25.47	-	-
8	.59775	12.4	Ca	.3	0	10.1	22.8	-	-	46	-23.2
9	.816	31.69	Qp	.3	0	10.1	42.09	56	-13.91	-	-
10	.81375	23.94	Ca	.3	0	10.1	34.34	-	-	46	-11.66
11	13.56	54.2	Qp	.2	.2	10.2	64.8	60	4.8	-	-
12	13.56	51.1	Ca	.2	.2	10.2	61.7	-	-	50	11.7

Qp - Quasi-Peak detector

Ca - CISPR average detection

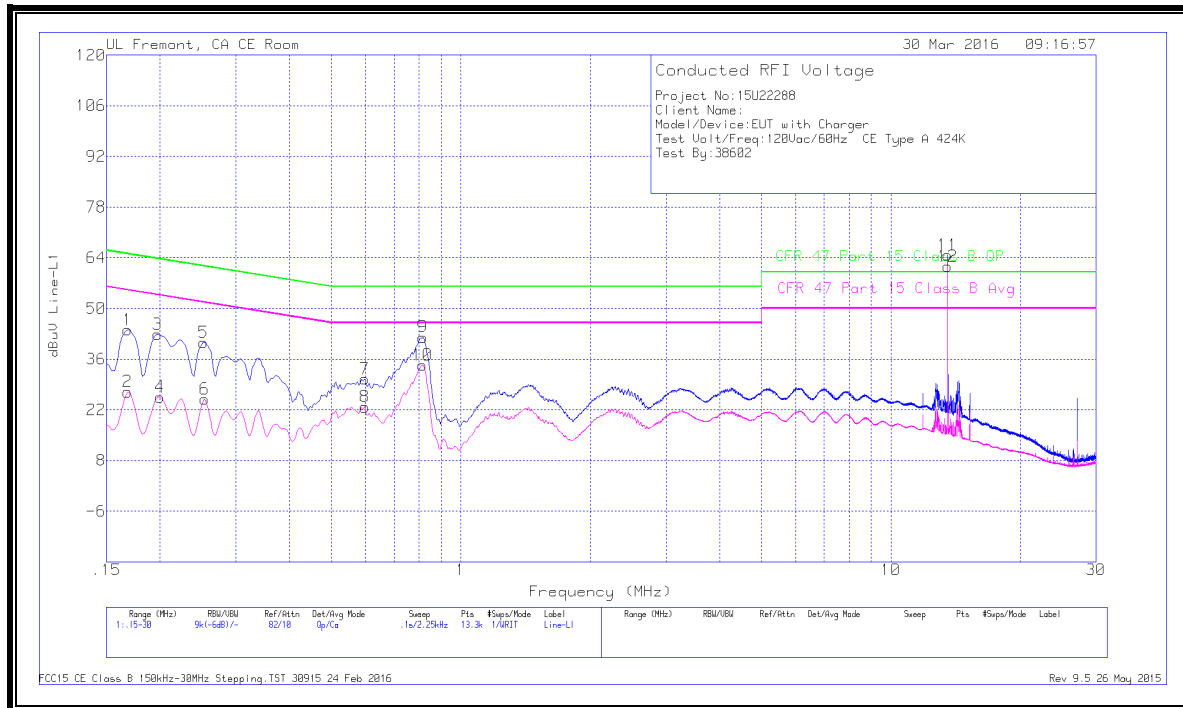
Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2	LC Cables 2&3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
13	.17025	33.73	Qp	1.2	0	10.1	45.03	64.95	-19.92	-	-
14	.168	15.3	Ca	1.3	0	10.1	26.7	-	-	55.06	-28.36
15	.19725	30.78	Qp	1	0	10.1	41.88	63.73	-21.85	-	-
16	.1995	11.89	Ca	1	0	10.1	22.99	-	-	53.63	-30.64
17	.2535	30.39	Qp	.7	0	10.1	41.19	61.64	-20.45	-	-
18	.2535	12.28	Ca	.7	0	10.1	23.08	-	-	51.64	-28.56
19	.59775	19.99	Qp	.3	0	10.1	30.39	56	-25.61	-	-
20	.59775	6.39	Ca	.3	0	10.1	16.79	-	-	46	-29.21
21	.8115	31.94	Qp	.3	0	10.1	42.34	56	-13.66	-	-
22	.81487	18.53	Ca	.3	0	10.1	28.93	-	-	46	-17.07
23	13.56	54.02	Qp	.2	.2	10.2	64.62	60	4.62	-	-
24	13.56	50.67	Ca	.2	.2	10.2	61.27	-	-	50	11.27

Qp - Quasi-Peak detector

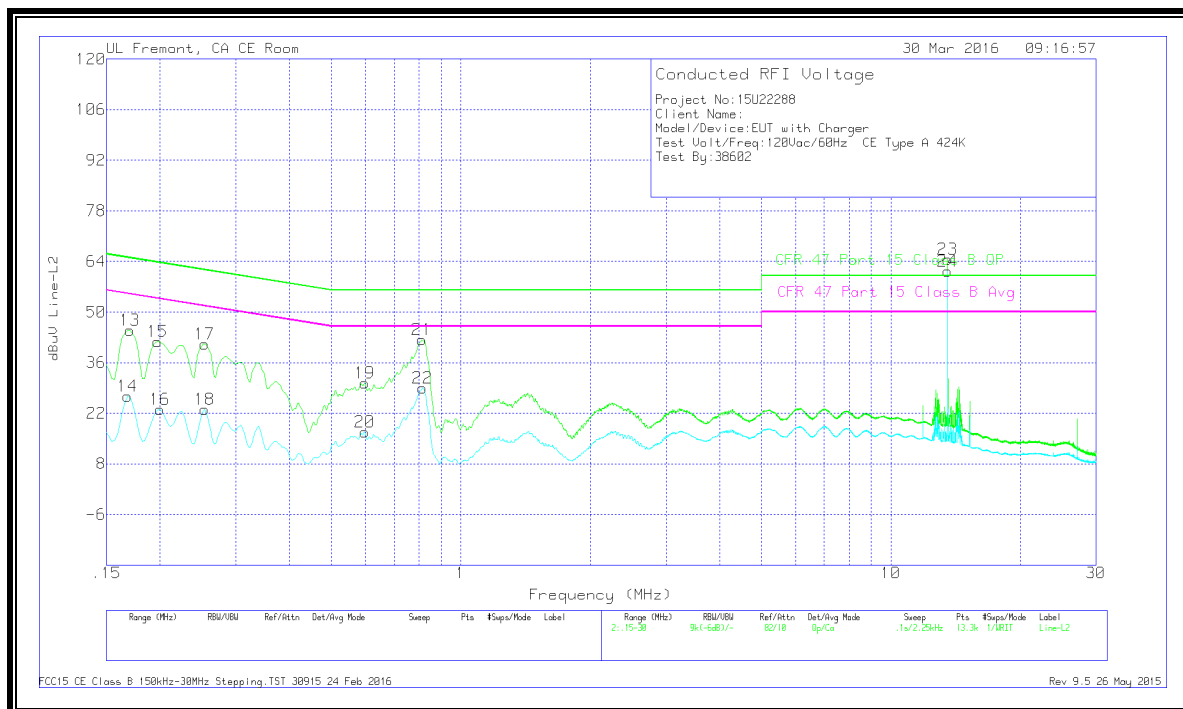
Ca - CISPR average detection

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



10.1.4. 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	.16575	24.15	Qp	1.2	0	10.1	35.45	65.17	-29.72	-	-
2	.16575	10.21	Ca	1.2	0	10.1	21.51	-	-	55.17	-33.66
3	.195	21.11	Qp	1	0	10.1	32.21	63.82	-31.61	-	-
4	.195	8.78	Ca	1	0	10.1	19.88	-	-	53.82	-33.94
5	.50325	16.73	Qp	.3	0	10.1	27.13	56	-28.87	-	-
6	.50325	8.75	Ca	.3	0	10.1	19.15	-	-	46	-26.85
7	.5775	17.45	Qp	.3	0	10.1	27.85	56	-28.15	-	-
8	.5775	9.82	Ca	.3	0	10.1	20.22	-	-	46	-25.78
9	.789	26.72	Qp	.3	0	10.1	37.12	56	-18.88	-	-
10	.78675	19.07	Ca	.3	0	10.1	29.47	-	-	46	-16.53
11	13.56	38.87	Qp	.2	.2	10.2	49.47	60	-10.53	-	-
12	13.56	35.65	Ca	.2	.2	10.2	46.25	-	-	50	-3.75

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	25.26	Qp	1.3	0	10.1	36.66	65.17	-28.51	-	-
14	.16575	8.46	Ca	1.3	0	10.1	19.86	-	-	55.17	-35.31
15	.195	21.14	Qp	1	0	10.1	32.24	63.82	-31.58	-	-
16	.195	4.77	Ca	1	0	10.1	15.87	-	-	53.82	-37.95
17	.249	21.42	Qp	.7	0	10.1	32.22	61.79	-29.57	-	-
18	.249	4.35	Ca	.7	0	10.1	15.15	-	-	51.79	-36.64
19	.33225	17.63	Qp	.5	0	10.1	28.23	59.39	-31.16	-	-
20	.33225	1.3	Ca	.5	0	10.1	11.9	-	-	49.39	-37.49
21	.57975	17.29	Qp	.3	0	10.1	27.69	56	-28.31	-	-
22	.5775	5.44	Ca	.3	0	10.1	15.84	-	-	46	-30.16
23	13.56	39.34	Qp	.2	.2	10.2	49.94	60	-10.06	-	-
24	13.56	36.07	Ca	.2	.2	10.2	46.67	-	-	50	-3.33

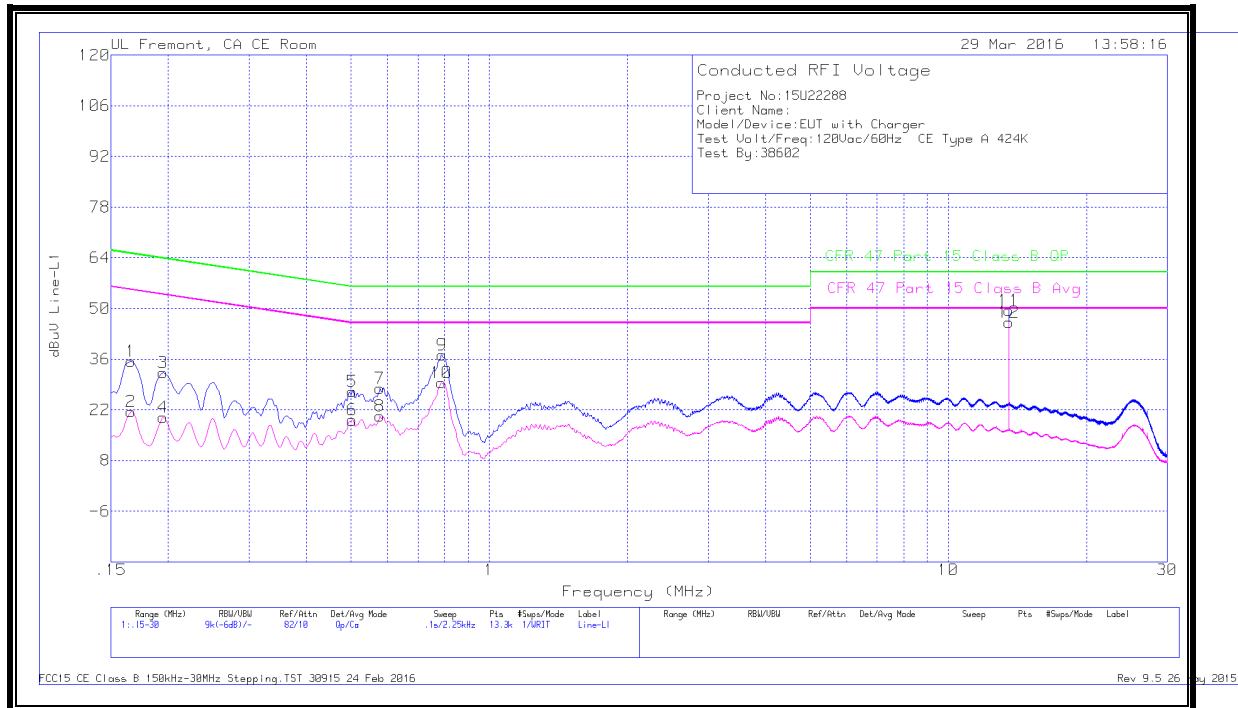
Qp - Quasi-Peak detector

Ca - CISPR average detection

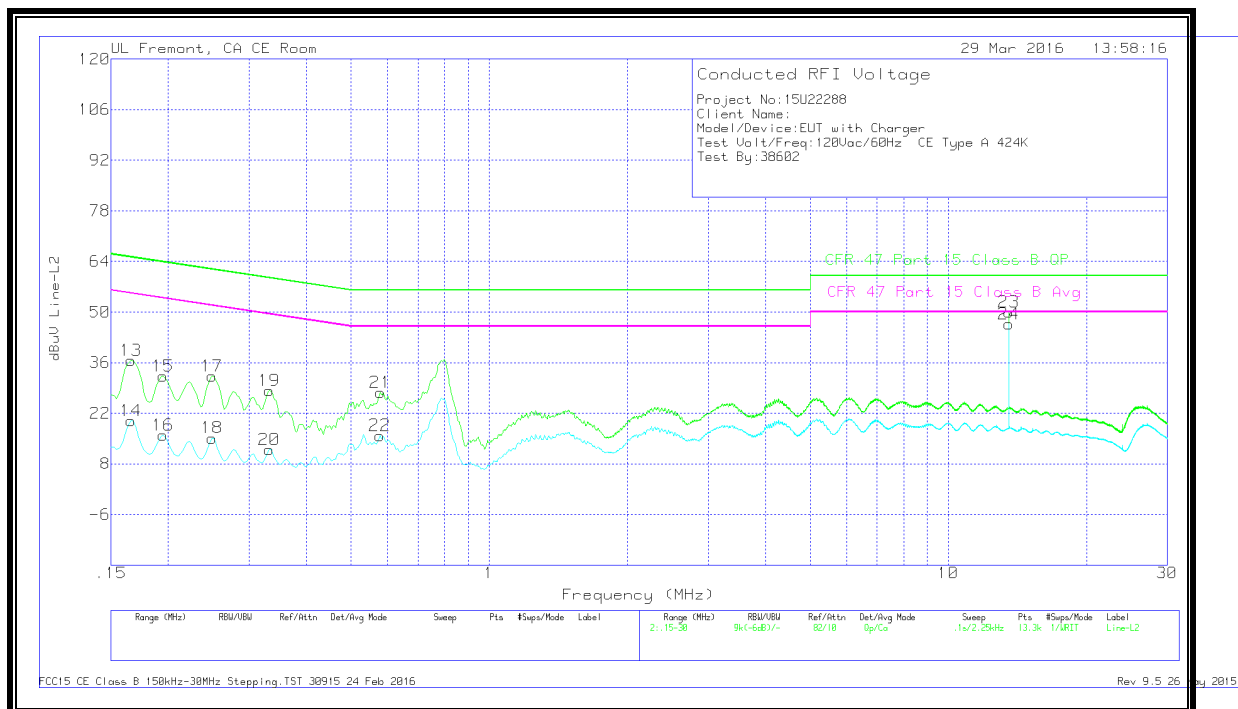
FCC15 CE Class B 150kHz-30MHz Stepping.TST 30915 24 Feb 2016

Rev 9.5 26 May 2015

LINE 1 RESULTS



LINE 2 RESULTS



10.1.5. NORMAL OPERATION, 212 KBPS

WORST EMISSIONS

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.

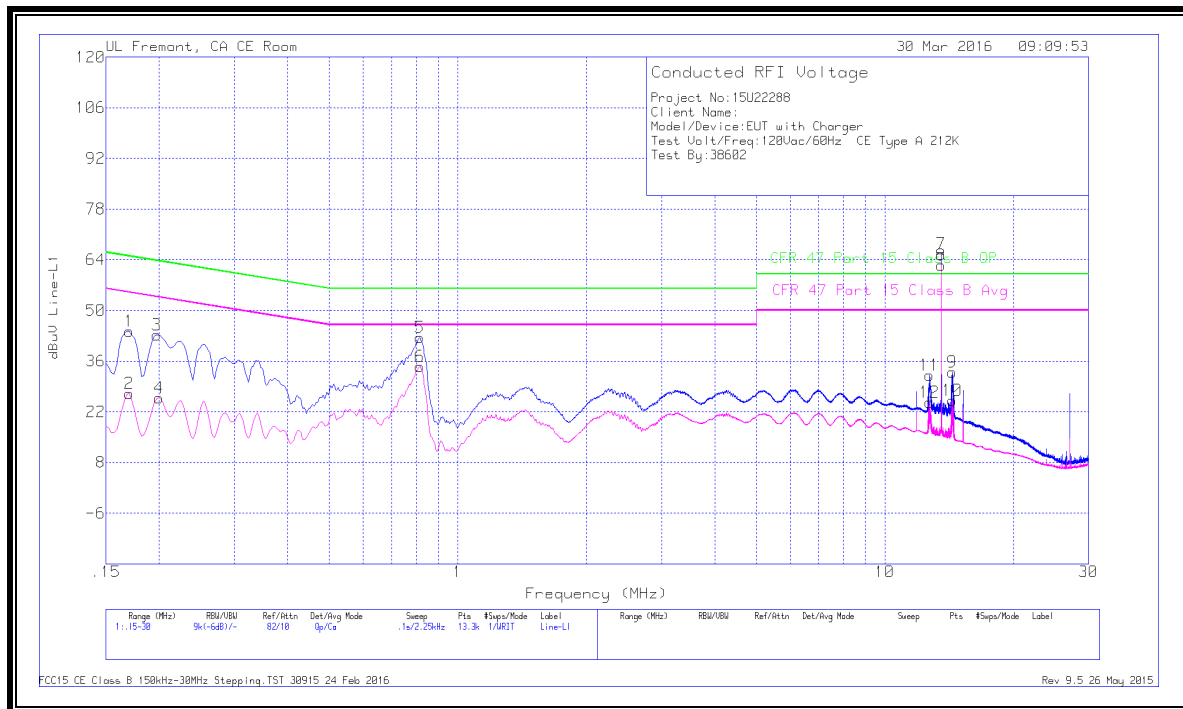
Trace Markers

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	32.98	Qp	1.2	0	10.1	44.28	64.95	-20.67	-	-
2	.17025	15.79	Ca	1.2	0	10.1	27.09	-	-	54.95	-27.86
3	.19725	32.06	Qp	1	0	10.1	43.16	63.73	-20.57	-	-
4	.1995	14.84	Ca	.9	0	10.1	25.84	-	-	53.63	-27.79
5	.81375	32.05	Qp	.3	0	10.1	42.45	56	-13.55	-	-
6	.81375	24.1	Ca	.3	0	10.1	34.5	-	-	46	-11.5
7	13.56	54.96	Qp	.2	.2	10.2	65.56	60	5.56	-	-
8	13.56	51.88	Ca	.2	.2	10.2	62.48	-	-	50	12.48
9	14.40825	22.37	Qp	.2	.2	10.2	32.97	60	-27.03	-	-
10	14.406	14.47	Ca	.2	.2	10.2	25.07	-	-	50	-24.93
11	12.714	21.55	Qp	.2	.2	10.2	32.15	60	-27.85	-	-
12	12.71625	14.01	Ca	.2	.2	10.2	24.61	-	-	50	-25.39

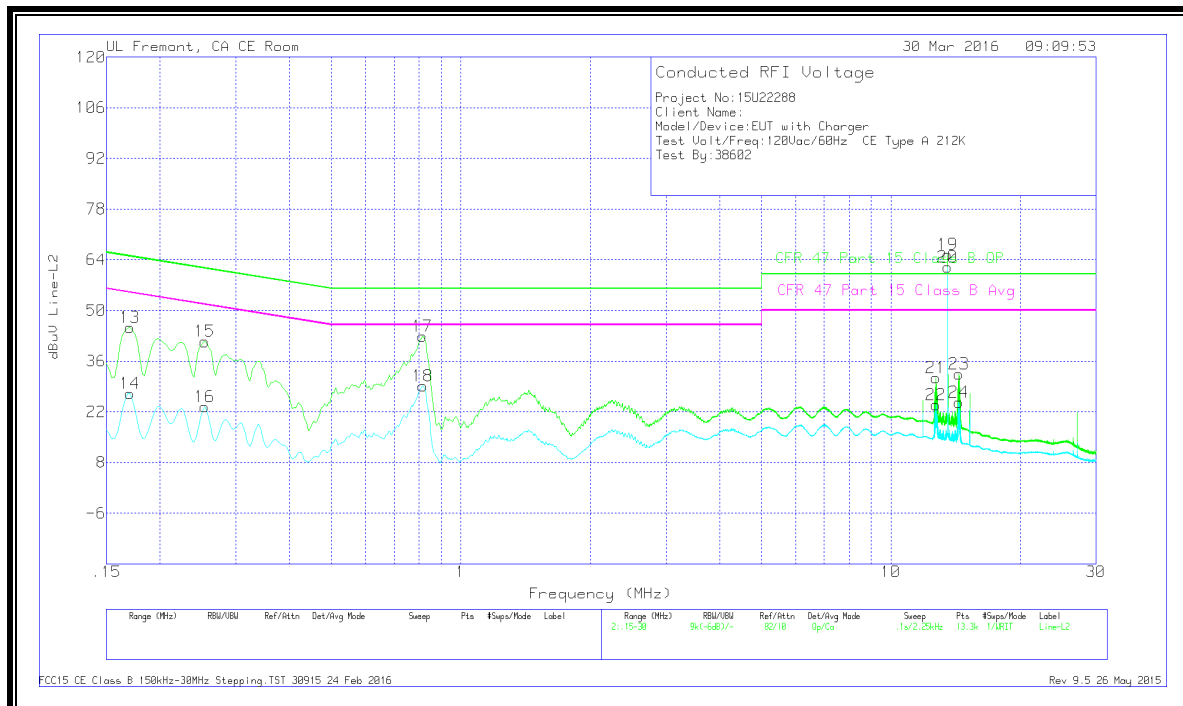
Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2	LC Cables 2&3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
13	.17025	33.98	Qp	1.2	0	10.1	45.28	64.95	-19.67	-	-
14	.17025	15.76	Ca	1.2	0	10.1	27.06	-	-	54.95	-27.89
15	.2535	30.6	Qp	.7	0	10.1	41.4	61.64	-20.24	-	-
16	.2535	12.56	Ca	.7	0	10.1	23.36	-	-	51.64	-28.28
17	.81375	32.46	Qp	.3	0	10.1	42.86	56	-13.14	-	-
18	.816	18.81	Ca	.3	0	10.1	29.21	-	-	46	-16.79
19	13.56	54.81	Qp	.2	.2	10.2	65.41	60	5.41	-	-
20	13.56	51.43	Ca	.2	.2	10.2	62.03	-	-	50	12.03
21	12.714	20.82	Qp	.2	.2	10.2	31.42	60	-28.58	-	-
22	12.71625	13.4	Ca	.2	.2	10.2	24	-	-	50	-26
23	14.40825	21.9	Qp	.2	.2	10.2	32.5	60	-27.5	-	-
24	14.406	14.09	Ca	.2	.2	10.2	24.69	-	-	50	-25.31

Qp - Quasi-Peak detector
Ca - CISPR average detection

LINE 1 RESULTS



LINE 2 RESULTS



10.1.6. 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	.16575	24.56	Qp	1.2	0	10.1	35.86	65.17	-29.31	-	-
2	.16575	10.1	Ca	1.2	0	10.1	21.4	-	-	55.17	-33.77
3	.195	21.63	Qp	1	0	10.1	32.73	63.82	-31.09	-	-
4	.195	8.8	Ca	1	0	10.1	19.9	-	-	53.82	-33.92
5	.5055	17.15	Qp	.3	0	10.1	27.55	56	-28.45	-	-
6	.5055	8.83	Ca	.3	0	10.1	19.23	-	-	46	-26.77
7	.57975	17.84	Qp	.3	0	10.1	28.24	56	-27.76	-	-
8	.57975	10.04	Ca	.3	0	10.1	20.44	-	-	46	-25.56
9	.789	26.73	Qp	.3	0	10.1	37.13	56	-18.87	-	-
10	.789	19.15	Ca	.3	0	10.1	29.55	-	-	46	-16.45
11	13.56	37.49	Qp	.2	.2	10.2	48.09	60	-11.91	-	-
12	13.56	34.29	Ca	.2	.2	10.2	44.89	-	-	50	-5.11

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	25.58	Qp	1.3	0	10.1	36.98	65.17	-28.19	-	-
14	.16575	8.58	Ca	1.3	0	10.1	19.98	-	-	55.17	-35.19
15	.195	21.24	Qp	1	0	10.1	32.34	63.82	-31.48	-	-
16	.195	4.91	Ca	1	0	10.1	16.01	-	-	53.82	-37.81
17	.25125	21.48	Qp	.7	0	10.1	32.28	61.72	-29.44	-	-
18	.25125	4.35	Ca	.7	0	10.1	15.15	-	-	51.72	-36.57
19	.58875	17.29	Qp	.3	0	10.1	27.69	56	-28.31	-	-
20	.58875	5.09	Ca	.3	0	10.1	15.49	-	-	46	-30.51
21	.789	26.72	Qp	.3	0	10.1	37.12	56	-18.88	-	-
22	.78675	15.78	Ca	.3	0	10.1	26.18	-	-	46	-19.82
23	13.56	38.4	Qp	.2	.2	10.2	49	60	-11	-	-
24	13.56	35.1	Ca	.2	.2	10.2	45.7	-	-	50	-4.3

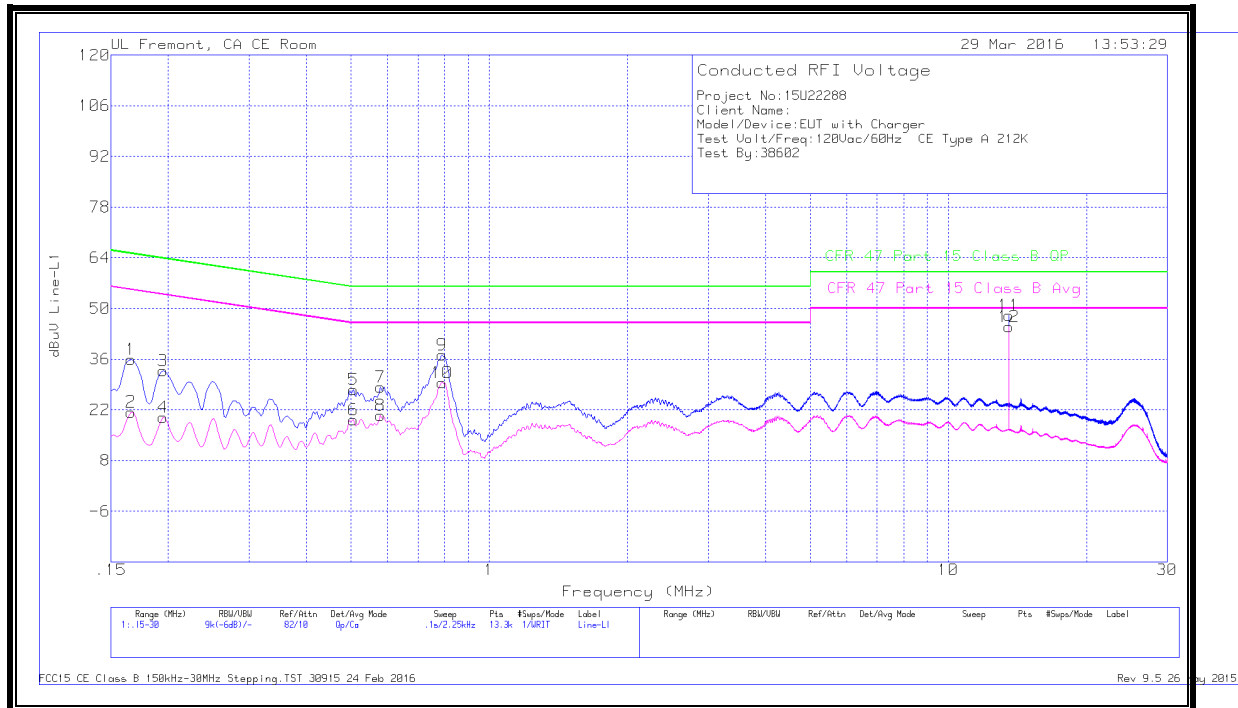
Qp - Quasi-Peak detector

Ca - CISPR average detection

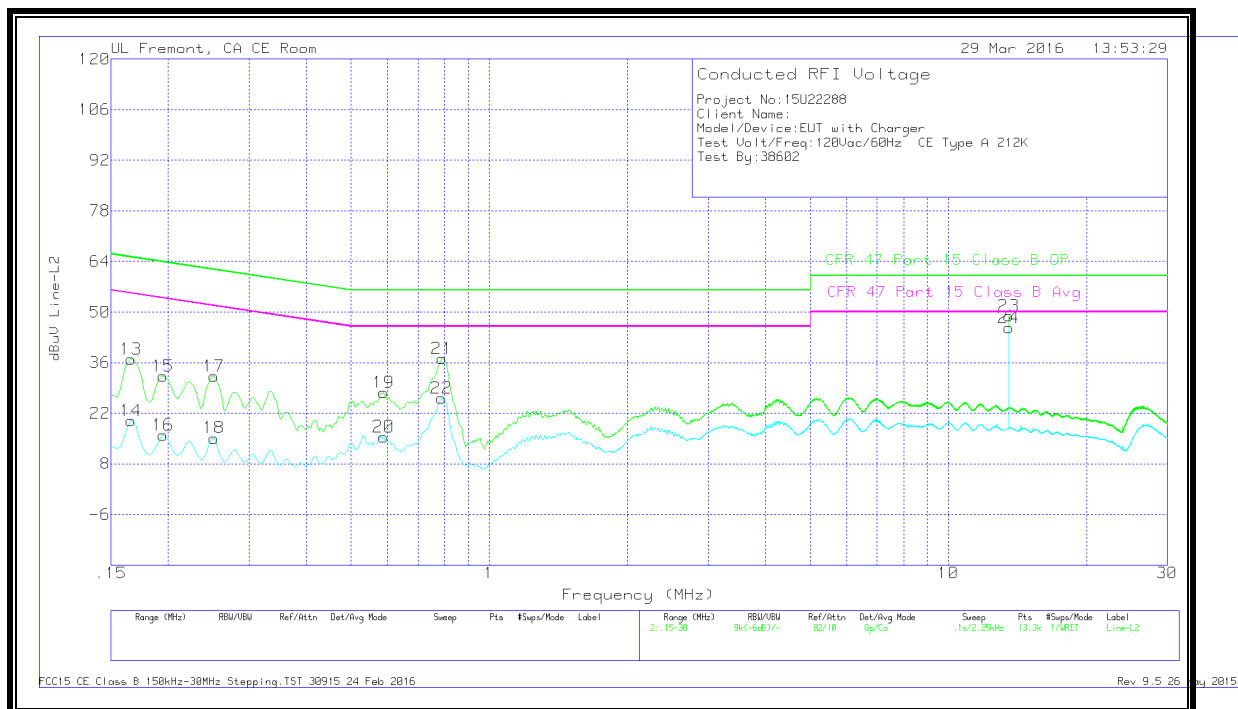
FCC15 CE Class B 150kHz-30MHz Stepping.TST 30915 24 Feb 2016

Rev 9.5 26 May 2015

LINE 1 RESULTS



LINE 2 RESULTS



10.1.7. NORMAL OPERATION, 106 KBPS

WORST EMISSIONS

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.

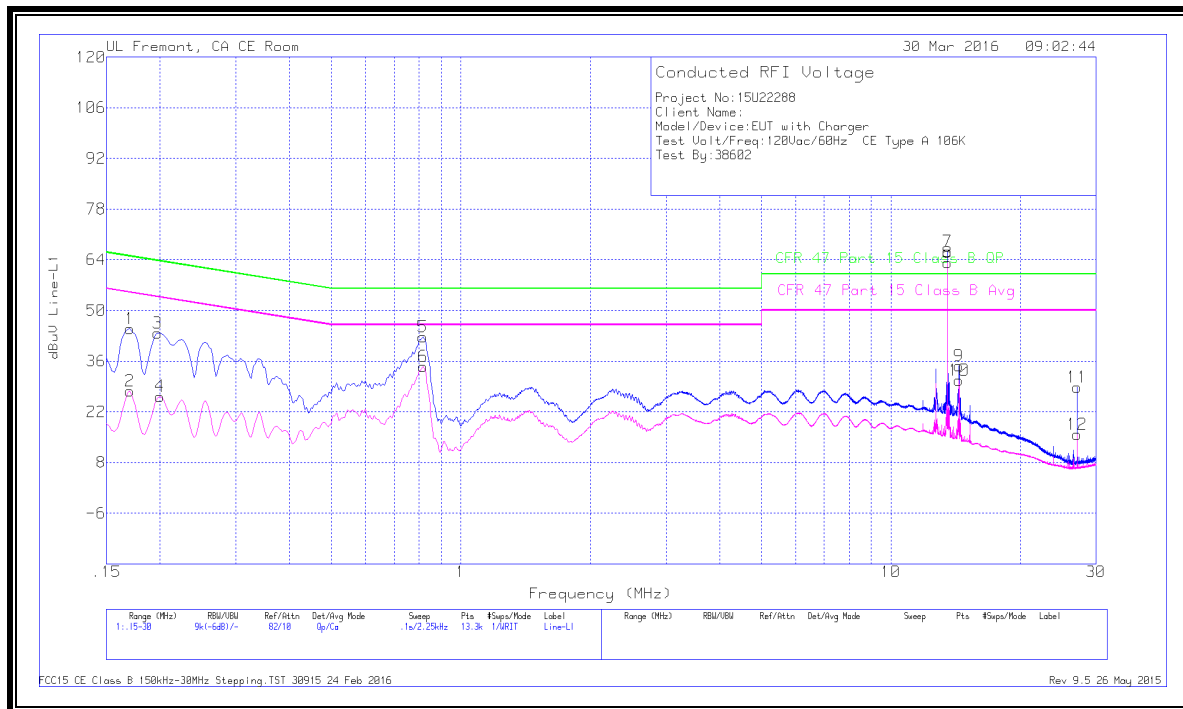
Trace Markers

Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading g (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	16.39	Ca	1.2	0	10.1	27.69	-	-	54.95	-27.26
3	.19725	32.65	Qp	1	0	10.1	43.75	63.73	-19.98	-	-
4	.1995	15.27	Ca	.9	0	10.1	26.27	-	-	53.63	-27.36
5	.816	32.36	Qp	.3	0	10.1	42.76	56	-13.24	-	-
6	.81825	24.11	Ca	.3	0	10.1	34.51	-	-	46	-11.49
7	13.56	55.69	Qp	.2	.2	10.2	66.29	60	6.29	-	-
8	13.56	52.66	Ca	.2	.2	10.2	63.26	-	-	50	13.26
9	14.40825	24.05	Qp	.2	.2	10.2	34.65	60	-25.35	-	-
10	14.40825	20.18	Ca	.2	.2	10.2	30.78	-	-	50	-19.22
11	27.12075	17.76	Qp	.3	.3	10.5	28.86	60	-31.14	-	-
12	27.12075	4.59	Ca	.3	.3	10.5	15.69	-	-	50	-34.31

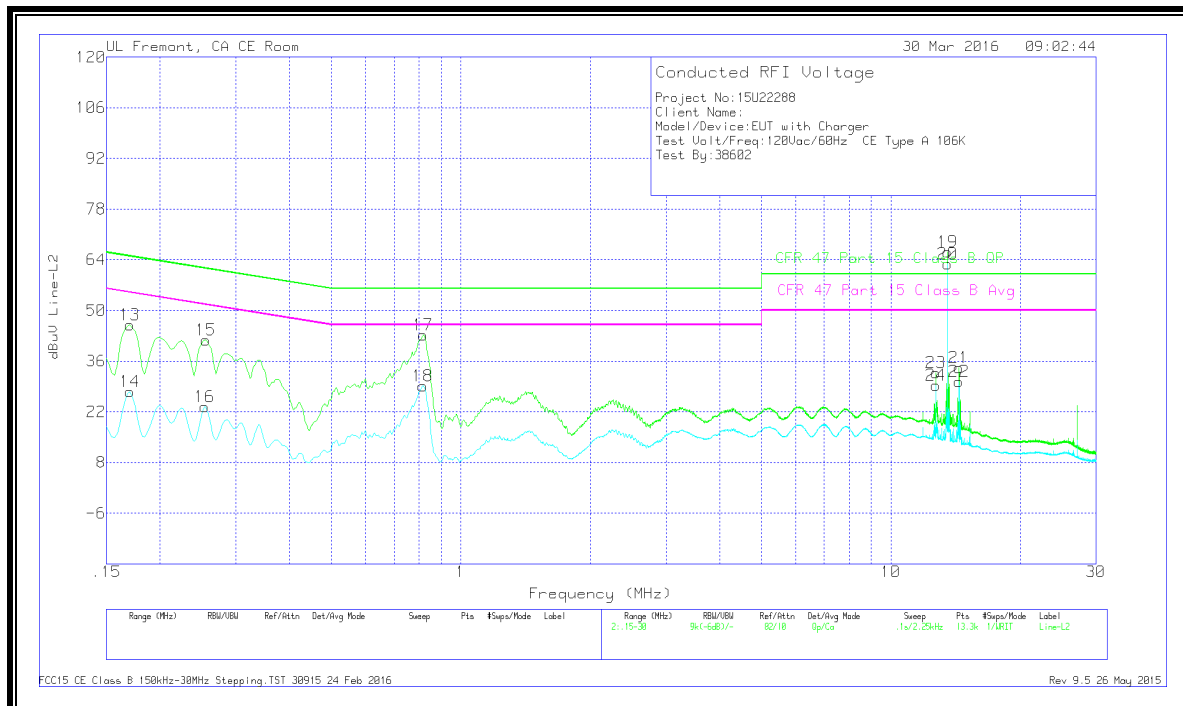
Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading g (dBuV)	Det	T24 IL L2	LC Cables 2&3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
13	.17025	34.68	Qp	1.2	0	10.1	45.98	64.95	-18.97	-	-
14	.17025	16.22	Ca	1.2	0	10.1	27.52	-	-	54.95	-27.43
15	.25575	31.03	Qp	.7	0	10.1	41.83	61.57	-19.74	-	-
16	.2535	12.56	Ca	.7	0	10.1	23.36	-	-	51.64	-28.28
17	.81825	32.79	Qp	.3	0	10.1	43.19	56	-12.81	-	-
18	.816	18.77	Ca	.3	0	10.1	29.17	-	-	46	-16.83
19	13.56	55.56	Qp	.2	.2	10.2	66.16	60	6.16	-	-
20	13.56	52.2	Ca	.2	.2	10.2	62.8	-	-	50	12.8
21	14.40825	23.61	Qp	.2	.2	10.2	34.21	60	-25.79	-	-
22	14.40825	19.76	Ca	.2	.2	10.2	30.36	-	-	50	-19.64
23	12.71175	22.15	Qp	.2	.2	10.2	32.75	60	-27.25	-	-
24	12.71175	18.65	Ca	.2	.2	10.2	29.25	-	-	50	-20.75

Qp - Quasi-Peak detector
Ca - CISPR average detection

LINE 1 RESULTS



LINE 2 RESULTS



10.1.8. 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	.168	27.09	Qp	1.2	0	10.1	38.39	65.06	-26.67	-	-
2	.168	11.88	Ca	1.2	0	10.1	23.18	-	-	55.06	-31.88
3	.195	24.03	Qp	1	0	10.1	35.13	63.82	-28.69	-	-
4	.19725	9.92	Ca	1	0	10.1	21.02	-	-	53.73	-32.71
5	.25125	20.43	Qp	.7	0	10.1	31.23	61.72	-30.49	-	-
6	.25125	9.07	Ca	.7	0	10.1	19.87	-	-	51.72	-31.85
7	.50775	17.86	Qp	.3	0	10.1	28.26	56	-27.74	-	-
8	.528	8.98	Ca	.3	0	10.1	19.38	-	-	46	-26.62
9	.7935	27.65	Qp	.3	0	10.1	38.05	56	-17.95	-	-
10	.79125	19.14	Ca	.3	0	10.1	29.54	-	-	46	-16.46
11	13.56	38.77	Qp	.2	.2	10.2	49.37	60	-10.63	-	-
12	13.56	35.58	Ca	.2	.2	10.2	46.18	-	-	50	-3.82

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	27.44	Qp	1.3	0	10.1	38.84	65.06	-26.22	-	-
14	.168	10.28	Ca	1.3	0	10.1	21.68	-	-	55.06	-33.38
15	.195	23.06	Qp	1	0	10.1	34.16	63.82	-29.66	-	-
16	.195	6.28	Ca	1	0	10.1	17.38	-	-	53.82	-36.44
17	.25125	21.83	Qp	.7	0	10.1	32.63	61.72	-29.09	-	-
18	.25125	5.01	Ca	.7	0	10.1	15.81	-	-	51.72	-35.91
19	.582	17.21	Qp	.3	0	10.1	27.61	56	-28.39	-	-
20	.582	5.7	Ca	.3	0	10.1	16.1	-	-	46	-29.9
21	.798	27.11	Qp	.3	0	10.1	37.51	56	-18.49	-	-
22	.79125	16.43	Ca	.3	0	10.1	26.83	-	-	46	-19.17
23	13.56	38.33	Qp	.2	.2	10.2	48.93	60	-11.07	-	-
24	13.56	35.09	Ca	.2	.2	10.2	45.69	-	-	50	-4.31

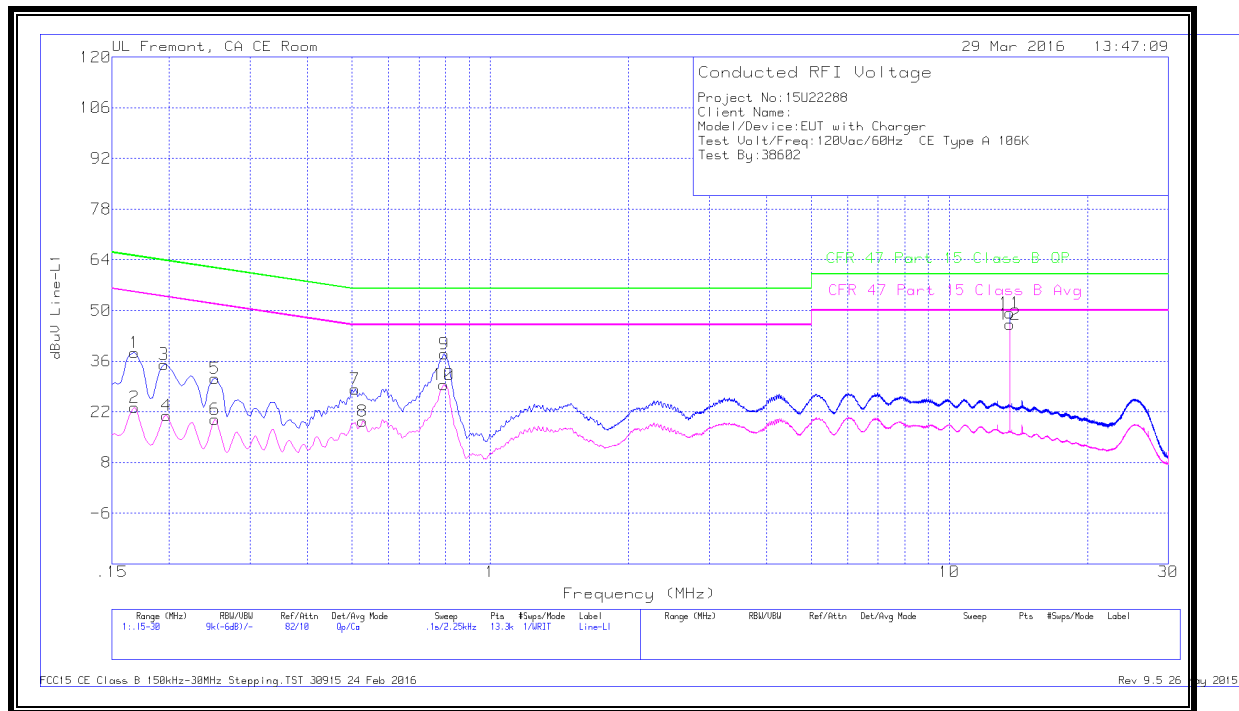
Qp - Quasi-Peak detector

Ca - CISPR average detection

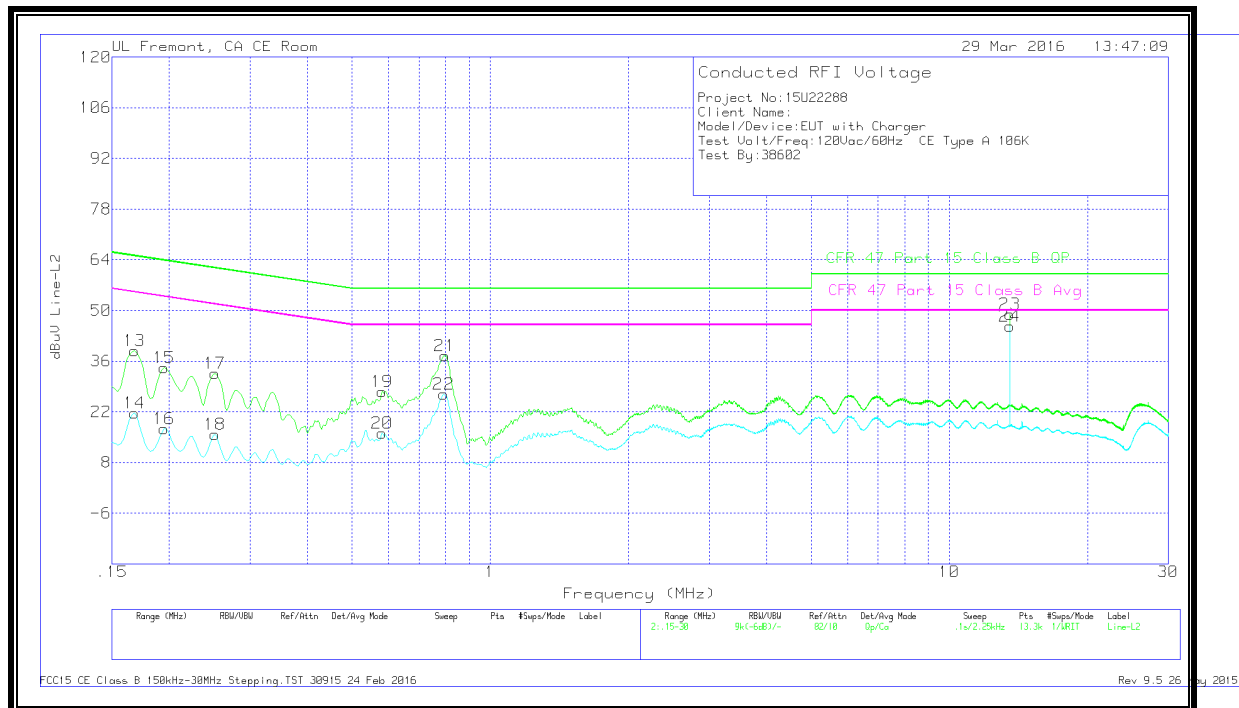
FCC15 CE Class B 150kHz-30MHz Stepping.TST 30915 24 Feb 2016

Rev 9.5 26 May 2015

LINE 1 RESULTS



LINE 2 RESULTS



10.2. CE MODE TYPE B

10.2.1. NORMAL OPERATION, 848 KBPS

6 WORST EMISSIONS

Trace Markers

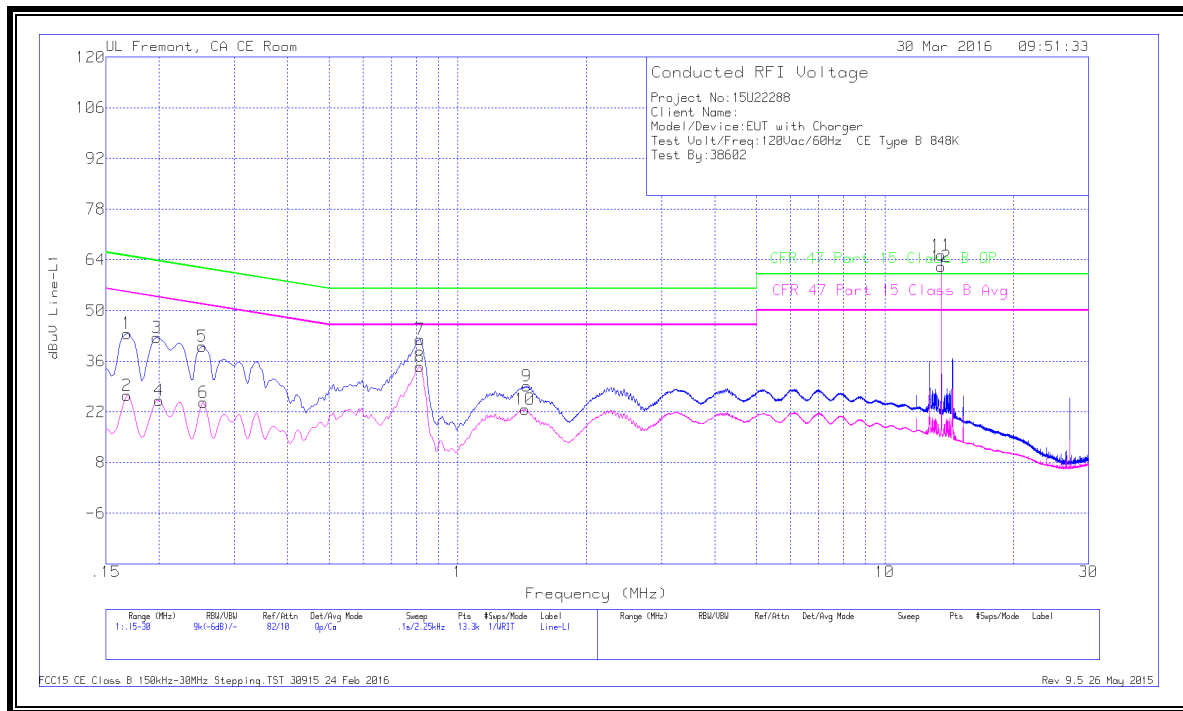
Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1	LC Cables 1&3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
1	.168	32.35	Qp	1.2	0	10.1	43.65	65.06	-21.41	-	-
2	.168	15.3	Ca	1.2	0	10.1	26.6	-	-	55.06	-28.46
3	.19725	31.46	Qp	1	0	10.1	42.56	63.73	-21.17	-	-
4	.1995	14.2	Ca	.9	0	10.1	25.2	-	-	53.63	-28.43
5	.25238	29.35	Qp	.7	0	10.1	40.15	61.68	-21.53	-	-
6	.2535	13.88	Ca	.7	0	10.1	24.68	-	-	51.64	-26.96
7	.816	31.59	Qp	.3	0	10.1	41.99	56	-14.01	-	-
8	.81375	24.07	Ca	.3	0	10.1	34.47	-	-	46	-11.53
9	1.4505	18.67	Qp	.2	.1	10.1	29.07	56	-26.93	-	-
10	1.437	12.35	Ca	.2	.1	10.1	22.75	-	-	46	-23.25
11	13.56	54.65	Qp	.2	.2	10.2	65.25	60	5.25	-	-
12	13.56	51.52	Ca	.2	.2	10.2	62.12	-	-	50	12.12

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	33.3	Qp	1.3	0	10.1	44.7	65.06	-20.36	-	-
14	.168	14.74	Ca	1.3	0	10.1	26.14	-	-	55.06	-28.92
15	.19725	30.19	Qp	1	0	10.1	41.29	63.73	-22.44	-	-
16	.1995	11.22	Ca	1	0	10.1	22.32	-	-	53.63	-31.31
17	.2535	30.2	Qp	.7	0	10.1	41	61.64	-20.64	-	-
18	.2535	11.81	Ca	.7	0	10.1	22.61	-	-	51.64	-29.03
19	.80925	31.8	Qp	.3	0	10.1	42.2	56	-13.8	-	-
20	.81375	18.41	Ca	.3	0	10.1	28.81	-	-	46	-17.19
21	1.43025	17.09	Qp	.2	.1	10.1	27.49	56	-28.51	-	-
22	1.43025	6.5	Ca	.2	.1	10.1	16.9	-	-	46	-29.1
23	13.56	54.43	Qp	.2	.2	10.2	65.03	60	5.03	-	-
24	13.56	50.97	Ca	.2	.2	10.2	61.57	-	-	50	11.57

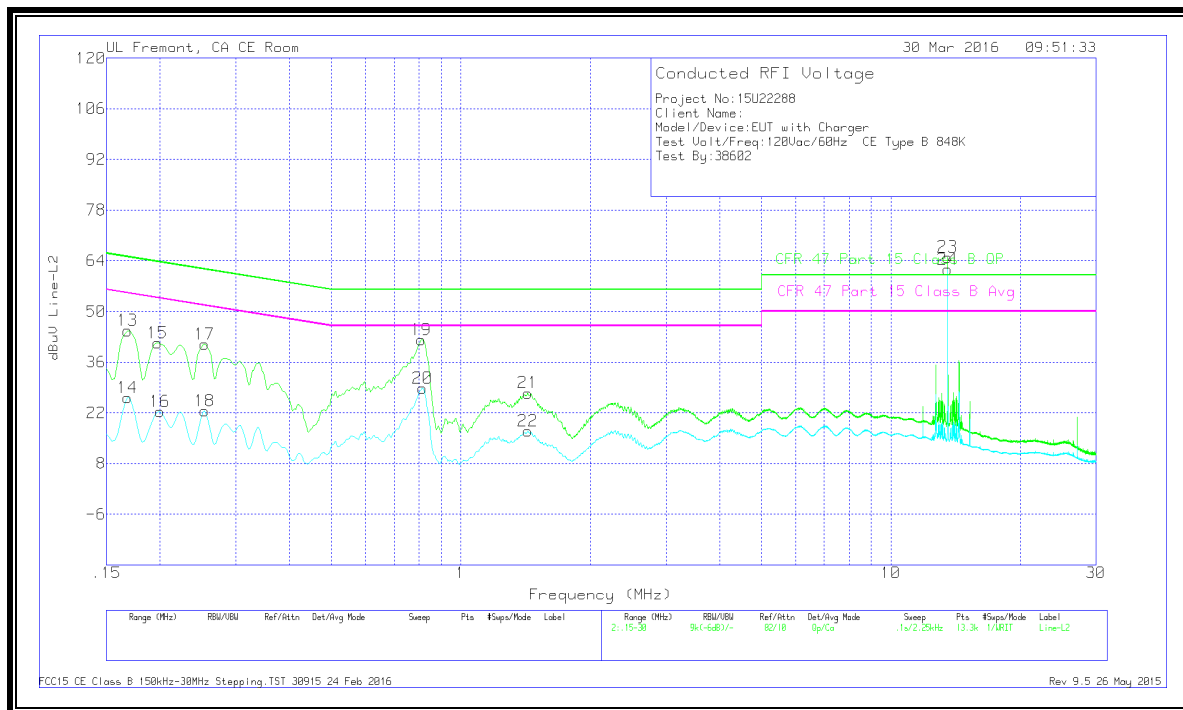
Qp - Quasi-Peak detector
Ca - CISPR average detection

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



10.2.2. 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	.16575	24.36	Qp	1.2	0	10.1	35.66	65.17	-29.51	-	-
2	.16575	10.31	Ca	1.2	0	10.1	21.61	-	-	55.17	-33.56
3	.195	21.33	Qp	1	0	10.1	32.43	63.82	-31.39	-	-
4	.195	8.95	Ca	1	0	10.1	20.05	-	-	53.82	-33.77
5	.5055	17	Qp	.3	0	10.1	27.4	56	-28.6	-	-
6	.5055	8.88	Ca	.3	0	10.1	19.28	-	-	46	-26.72
7	.57975	17.95	Qp	.3	0	10.1	28.35	56	-27.65	-	-
8	.57975	10.27	Ca	.3	0	10.1	20.67	-	-	46	-25.33
9	.79125	26.71	Qp	.3	0	10.1	37.11	56	-18.89	-	-
10	.78675	19.34	Ca	.3	0	10.1	29.74	-	-	46	-16.26
11	13.56	40.94	Qp	.2	.2	10.2	51.54	60	-8.46	-	-
12	13.56	37.8	Ca	.2	.2	10.2	48.4	-	-	50	-1.6

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	8.45	Ca	1.3	0	10.1	19.85	-	-	55.17	-35.32
15	.195	21.39	Qp	1	0	10.1	32.49	63.82	-31.33	-	-
16	.195	4.93	Ca	1	0	10.1	16.03	-	-	53.82	-37.79
17	.25125	21.5	Qp	.7	0	10.1	32.3	61.72	-29.42	-	-
18	.249	4.35	Ca	.7	0	10.1	15.15	-	-	51.79	-36.64
19	.58875	17.86	Qp	.3	0	10.1	28.26	56	-27.74	-	-
20	.58875	5.08	Ca	.3	0	10.1	15.48	-	-	46	-30.52
21	.789	26.84	Qp	.3	0	10.1	37.24	56	-18.76	-	-
22	.78675	15.64	Ca	.3	0	10.1	26.04	-	-	46	-19.96
23	13.56	40.52	Qp	.2	.2	10.2	51.12	60	-8.88	-	-
24	13.56	37.3	Ca	.2	.2	10.2	47.9	-	-	50	-2.1

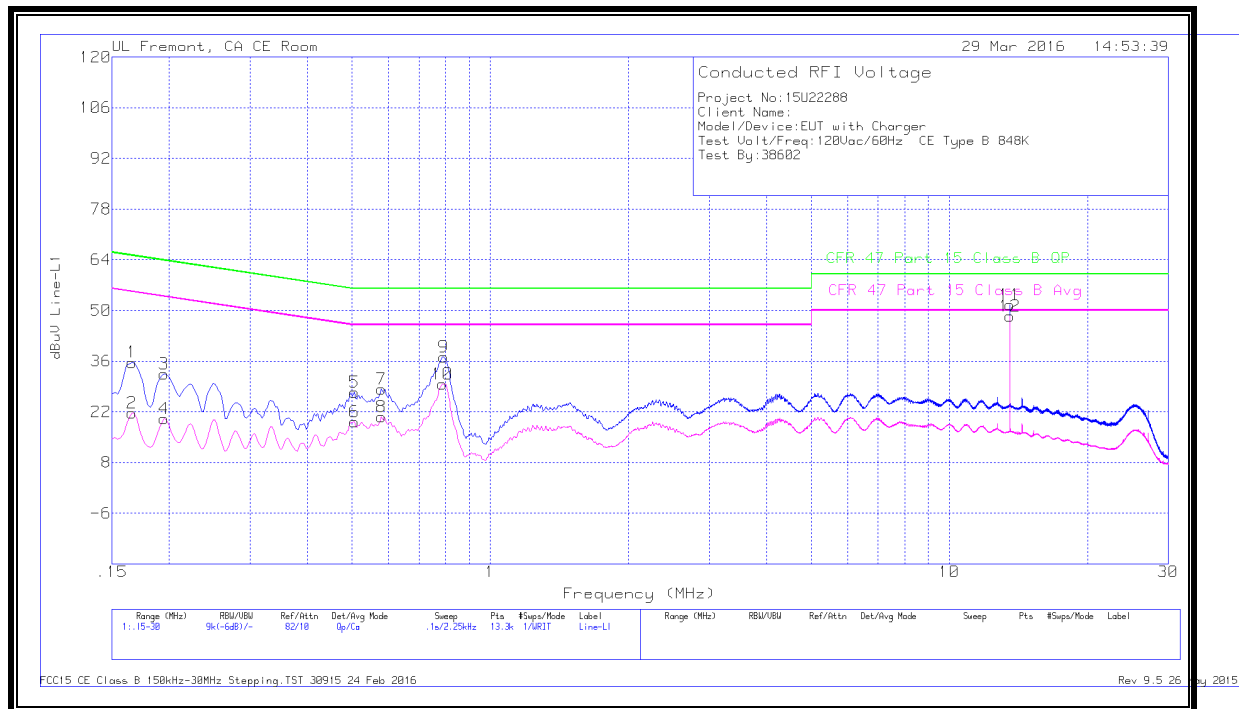
Qp - Quasi-Peak detector

Ca - CISPR average detection

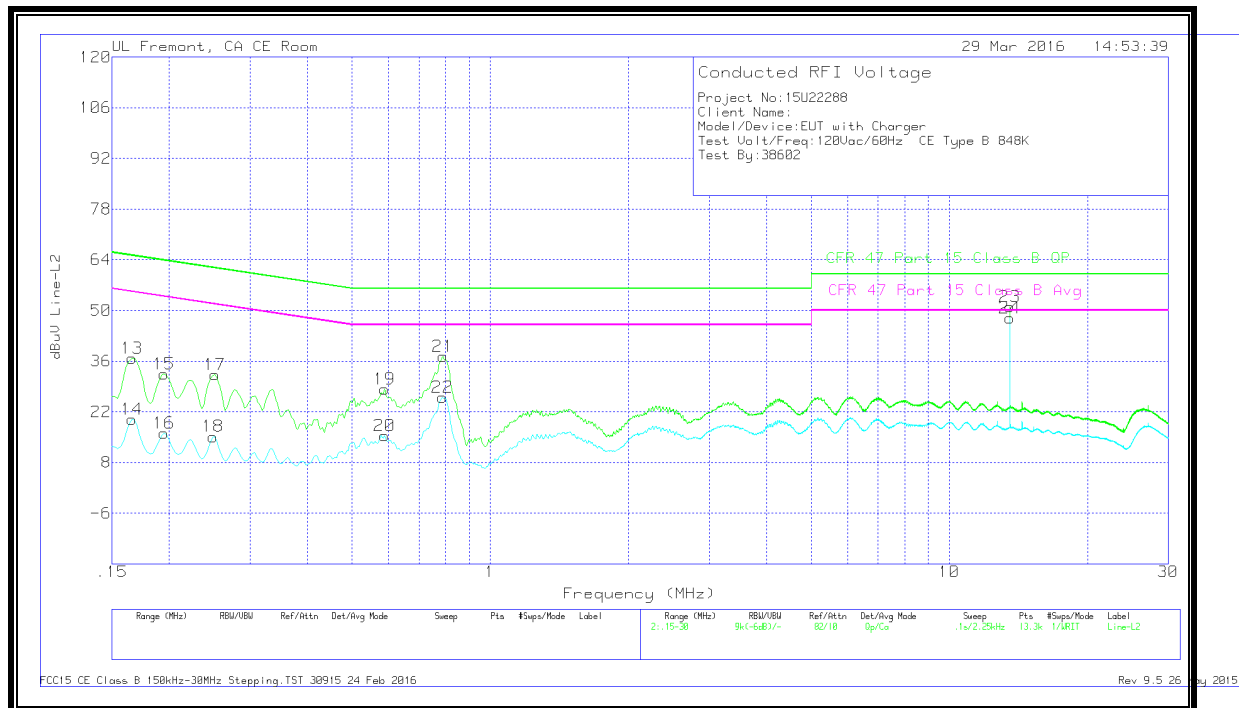
FCC15 CE Class B 150kHz-30MHz Stepping.TST 30915 24 Feb 2016

Rev 9.5 26 May 2015

LINE 1 RESULTS



LINE 2 RESULTS



10.2.3. NORMAL OPERATION, 424 Kbps

6 WORST EMISSIONS

Trace Markers

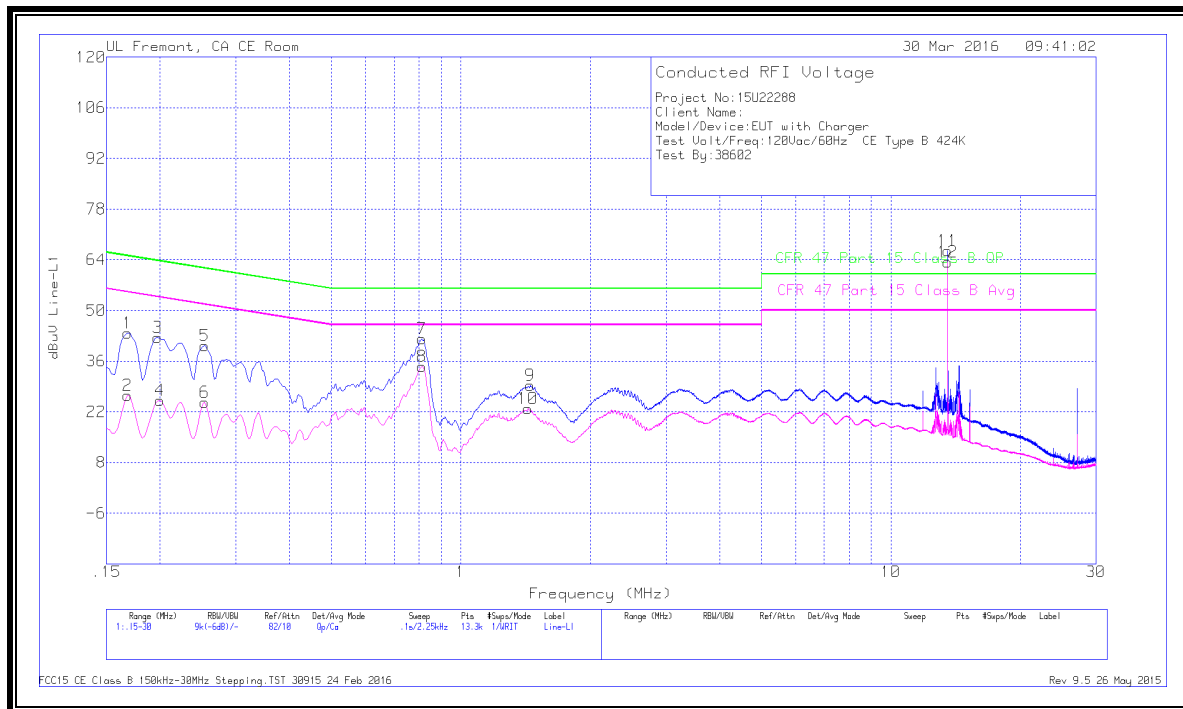
Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1	LC Cables 1&3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
1	.168	32.41	Qp	1.2	0	10.1	43.71	65.06	-21.35	-	-
2	.168	15.22	Ca	1.2	0	10.1	26.52	-	-	55.06	-28.54
3	.19725	31.44	Qp	1	0	10.1	42.54	63.73	-21.19	-	-
4	.1995	14.08	Ca	.9	0	10.1	25.08	-	-	53.63	-28.55
5	.2535	29.45	Qp	.7	0	10.1	40.25	61.64	-21.39	-	-
6	.2535	13.9	Ca	.7	0	10.1	24.7	-	-	51.64	-26.94
7	.8115	31.71	Qp	.3	0	10.1	42.11	56	-13.89	-	-
8	.81262	24.06	Ca	.3	0	10.1	34.46	-	-	46	-11.54
9	1.4505	18.84	Qp	.2	.1	10.1	29.24	56	-26.76	-	-
10	1.4325	12.43	Ca	.2	.1	10.1	22.83	-	-	46	-23.17
11	13.56	55.9	Qp	.2	.2	10.2	66.5	60	6.5	-	-
12	13.56	52.78	Ca	.2	.2	10.2	63.38	-	-	50	13.38

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	33.32	Qp	1.3	0	10.1	44.72	65.06	-20.34	-	-
14	.168	14.85	Ca	1.3	0	10.1	26.25	-	-	55.06	-28.81
15	.19725	30.09	Qp	1	0	10.1	41.19	63.73	-22.54	-	-
16	.1995	11.2	Ca	1	0	10.1	22.3	-	-	53.63	-31.33
17	.2535	30.21	Qp	.7	0	10.1	41.01	61.64	-20.63	-	-
18	.2535	11.93	Ca	.7	0	10.1	22.73	-	-	51.64	-28.91
19	.81375	31.96	Qp	.3	0	10.1	42.36	56	-13.64	-	-
20	.81375	18.56	Ca	.3	0	10.1	28.96	-	-	46	-17.04
21	1.4325	17.35	Qp	.2	.1	10.1	27.75	56	-28.25	-	-
22	1.4325	6.58	Ca	.2	.1	10.1	16.98	-	-	46	-29.02
23	13.56	55.68	Qp	.2	.2	10.2	66.28	60	6.28	-	-
24	13.56	52.24	Ca	.2	.2	10.2	62.84	-	-	50	12.84

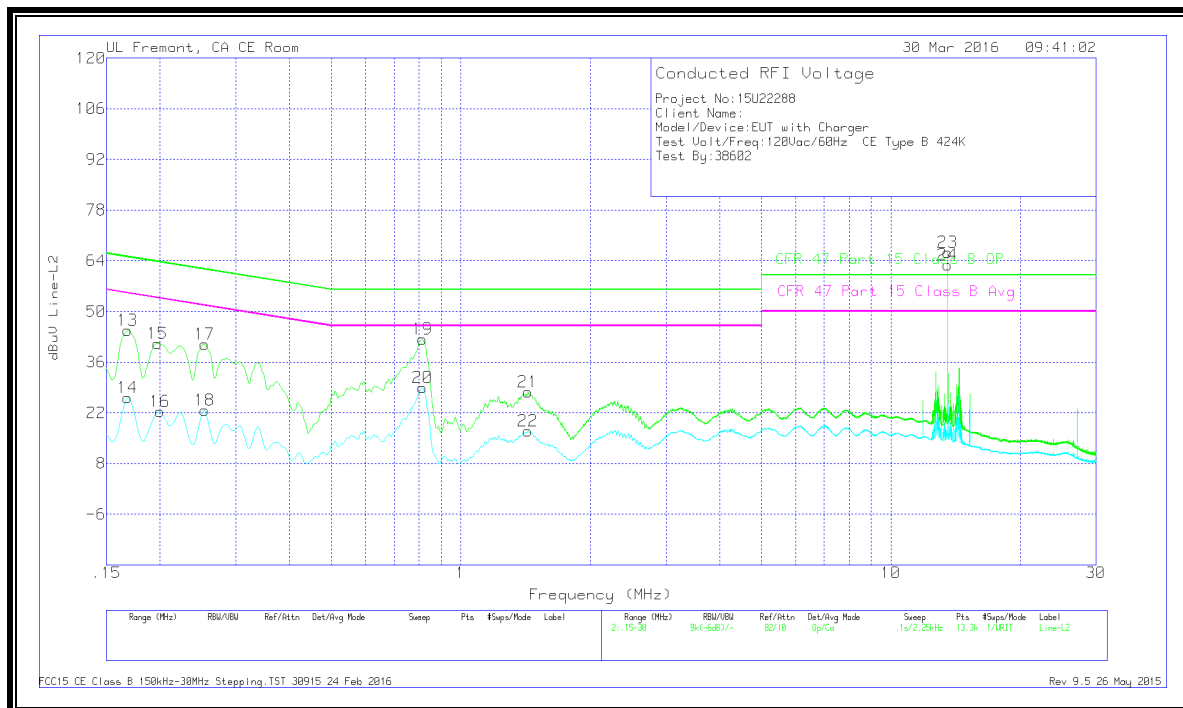
Qp - Quasi-Peak detector
Ca - CISPR average detection

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



10.2.4. 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	26.11	Qp	1.2	0	10.1	37.41	65.17	-27.76	-	-
2	.168	11.7	Ca	1.2	0	10.1	23	-	-	55.06	-32.06
3	.195	23.37	Qp	1	0	10.1	34.47	63.82	-29.35	-	-
4	.195	10.02	Ca	1	0	10.1	21.12	-	-	53.82	-32.7
5	.50775	17.8	Qp	.3	0	10.1	28.2	56	-27.8	-	-
6	.50775	8.99	Ca	.3	0	10.1	19.39	-	-	46	-26.61
7	.582	18.24	Qp	.3	0	10.1	28.64	56	-27.36	-	-
8	.582	9.98	Ca	.3	0	10.1	20.38	-	-	46	-25.62
9	.79125	27.38	Qp	.3	0	10.1	37.78	56	-18.22	-	-
10	.79125	19.64	Ca	.3	0	10.1	30.04	-	-	46	-15.96
11	13.56	38.1	Qp	.2	.2	10.2	48.7	60	-11.3	-	-
12	13.56	34.85	Ca	.2	.2	10.2	45.45	-	-	50	-4.55

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)
13	.168	26.72	Qp	1.3	0	10.1	38.12	65.06	-26.94	-	-
14	.168	9.97	Ca	1.3	0	10.1	21.37	-	-	55.06	-33.69
15	.195	22.54	Qp	1	0	10.1	33.64	63.82	-30.18	-	-
16	.195	6.17	Ca	1	0	10.1	17.27	-	-	53.82	-36.55
17	.25125	21.86	Qp	.7	0	10.1	32.66	61.72	-29.06	-	-
18	.25125	4.98	Ca	.7	0	10.1	15.78	-	-	51.72	-35.94
19	.591	17.56	Qp	.3	0	10.1	27.96	56	-28.04	-	-
20	.582	5.22	Ca	.3	0	10.1	15.62	-	-	46	-30.38
21	.79125	27.31	Qp	.3	0	10.1	37.71	56	-18.29	-	-
22	.789	16.34	Ca	.3	0	10.1	26.74	-	-	46	-19.26
23	13.56	37.66	Qp	.2	.2	10.2	48.26	60	-11.74	-	-
24	13.56	34.39	Ca	.2	.2	10.2	44.99	-	-	50	-5.01

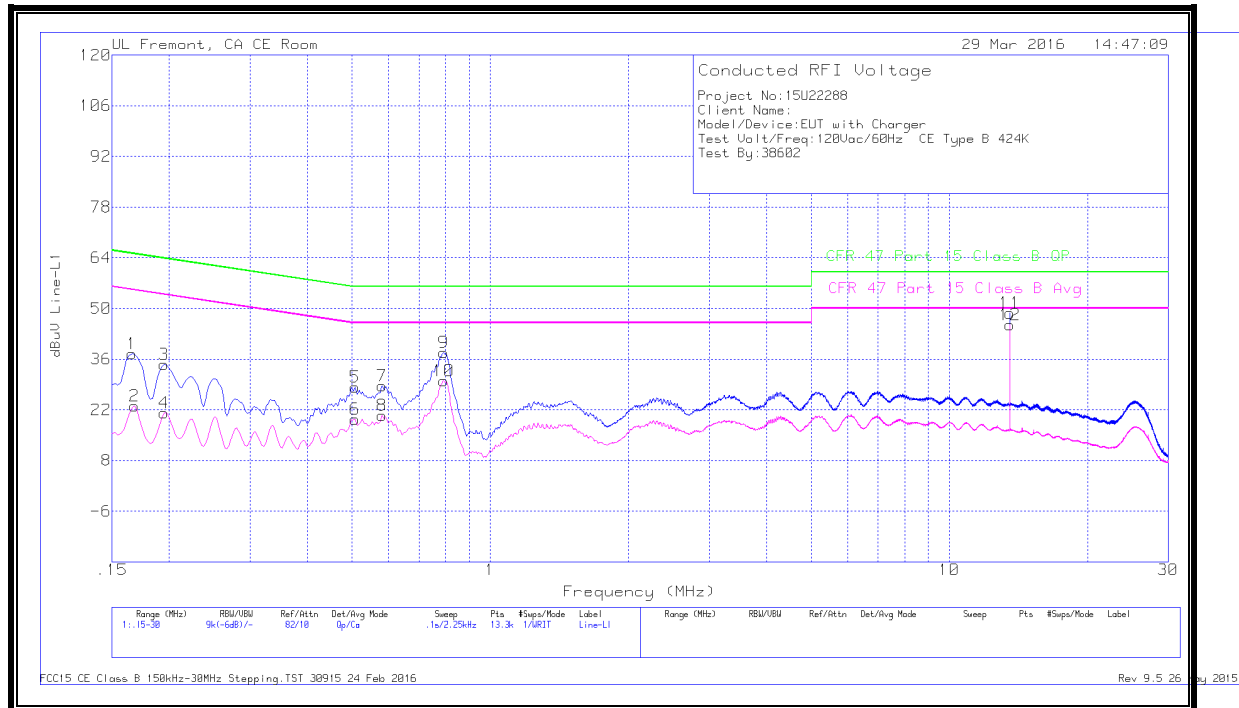
Qp - Quasi-Peak detector

Ca - CISPR average detection

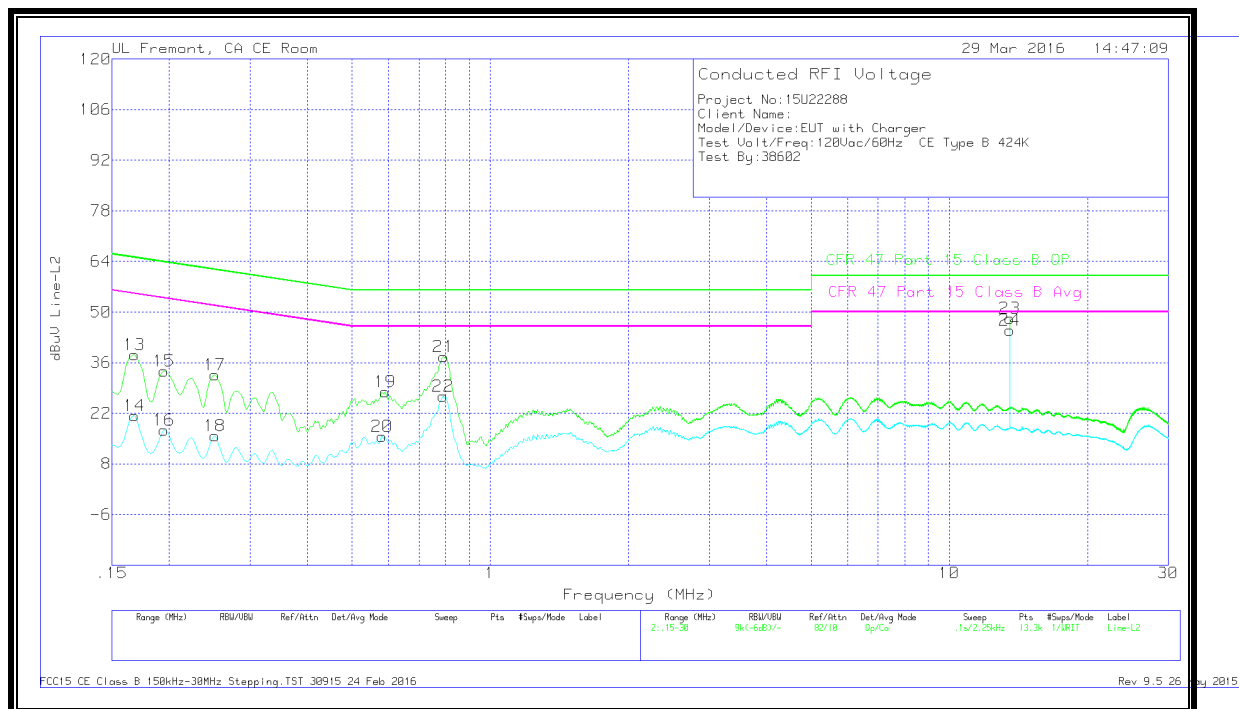
FCC15 CE Class B 150kHz-30MHz Stepping.TST 30915 24 Feb 2016

Rev 9.5 26 May 2015

LINE 1 RESULTS



LINE 2 RESULTS



10.2.5. NORMAL OPERATION, 212 KBPS

6 WORST EMISSIONS

Trace Markers

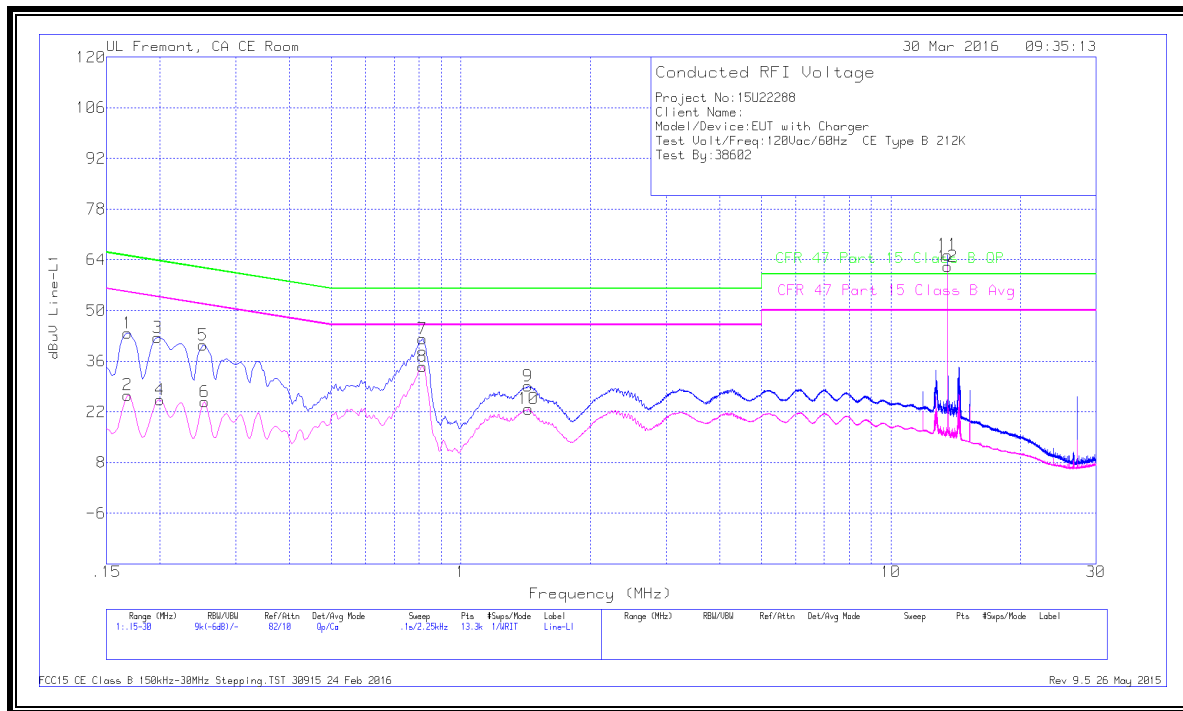
Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1	LC Cables 1&3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
1	.168	32.49	Qp	1.2	0	10.1	43.79	65.06	-21.27	-	-
2	.168	15.32	Ca	1.2	0	10.1	26.62	-	-	55.06	-28.44
3	.19725	31.41	Qp	1	0	10.1	42.51	63.73	-21.22	-	-
4	.1995	14.36	Ca	.9	0	10.1	25.36	-	-	53.63	-28.27
5	.25125	29.56	Qp	.7	0	10.1	40.36	61.72	-21.36	-	-
6	.2535	13.92	Ca	.7	0	10.1	24.72	-	-	51.64	-26.92
7	.81375	31.8	Qp	.3	0	10.1	42.2	56	-13.8	-	-
8	.81375	24.2	Ca	.3	0	10.1	34.6	-	-	46	-11.4
9	1.4325	18.73	Qp	.2	.1	10.1	29.13	56	-26.87	-	-
10	1.43475	12.4	Ca	.2	.1	10.1	22.8	-	-	46	-23.2
11	13.56	54.78	Qp	.2	.2	10.2	65.38	60	5.38	-	-
12	13.56	51.62	Ca	.2	.2	10.2	62.22	-	-	50	12.22

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	33.35	Qp	1.3	0	10.1	44.75	65.06	-20.31	-	-
14	.168	14.84	Ca	1.3	0	10.1	26.24	-	-	55.06	-28.82
15	.19725	30.4	Qp	1	0	10.1	41.5	63.73	-22.23	-	-
16	.1995	11.51	Ca	1	0	10.1	22.61	-	-	53.63	-31.02
17	.2535	30.16	Qp	.7	0	10.1	40.96	61.64	-20.68	-	-
18	.2535	11.87	Ca	.7	0	10.1	22.67	-	-	51.64	-28.97
19	.81375	32.11	Qp	.3	0	10.1	42.51	56	-13.49	-	-
20	.81375	18.62	Ca	.3	0	10.1	29.02	-	-	46	-16.98
21	1.4235	16.92	Qp	.2	.1	10.1	27.32	56	-28.68	-	-
22	1.4325	6.61	Ca	.2	.1	10.1	17.01	-	-	46	-28.99
23	13.56	54.57	Qp	.2	.2	10.2	65.17	60	5.17	-	-
24	13.56	51.08	Ca	.2	.2	10.2	61.68	-	-	50	11.68

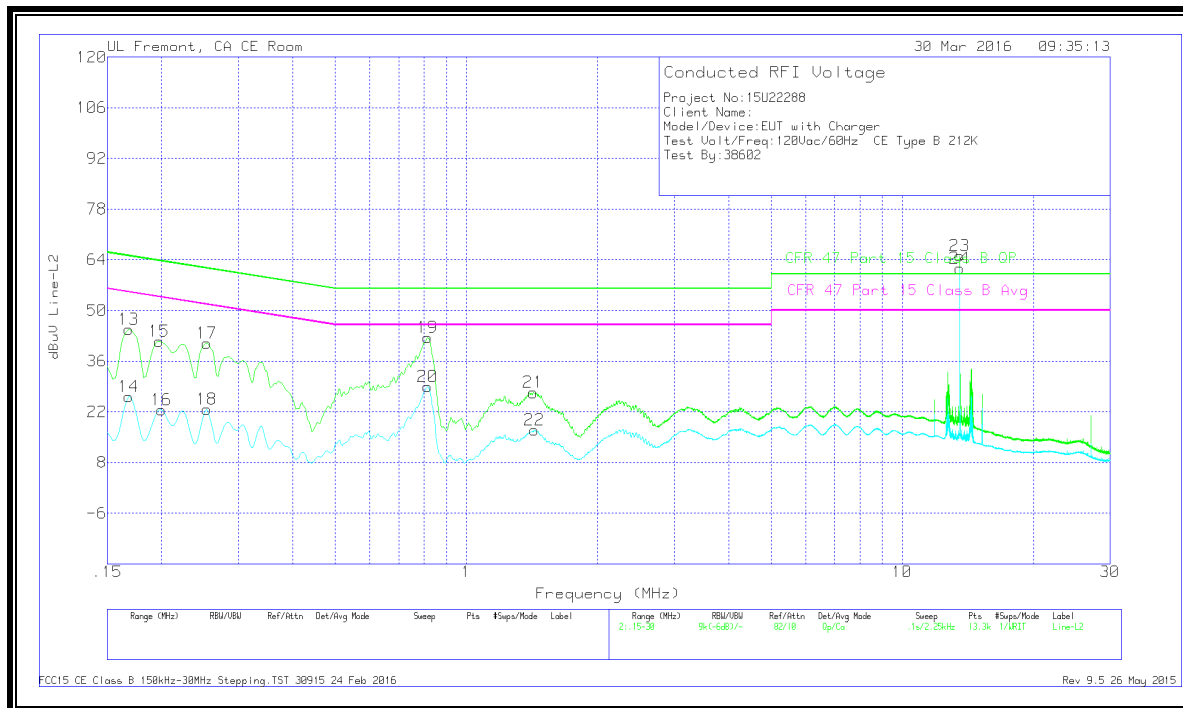
Qp - Quasi-Peak detector
Ca - CISPR average detection

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



10.2.6. 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	23.65	Qp	1.2	0	10.1	34.95	65.17	-30.22	-	-
2	.16575	9.86	Ca	1.2	0	10.1	21.16	-	-	55.17	-34.01
3	.195	20.73	Qp	1	0	10.1	31.83	63.82	-31.99	-	-
4	.195	8.5	Ca	1	0	10.1	19.6	-	-	53.82	-34.22
5	.5055	16.78	Qp	.3	0	10.1	27.18	56	-28.82	-	-
6	.50325	8.68	Ca	.3	0	10.1	19.08	-	-	46	-26.92
7	.5775	17.58	Qp	.3	0	10.1	27.98	56	-28.02	-	-
8	.5775	9.95	Ca	.3	0	10.1	20.35	-	-	46	-25.65
9	.78675	26.41	Qp	.3	0	10.1	36.81	56	-19.19	-	-
10	.798	19.04	Ca	.3	0	10.1	29.44	-	-	46	-16.56
11	13.56	39.22	Qp	.2	.2	10.2	49.82	60	-10.18	-	-
12	13.56	35.97	Ca	.2	.2	10.2	46.57	-	-	50	-3.43

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	24.86	Qp	1.3	0	10.1	36.26	65.17	-28.91	-	-
14	.16575	8.03	Ca	1.3	0	10.1	19.43	-	-	55.17	-35.74
15	.195	20.88	Qp	1	0	10.1	31.98	63.82	-31.84	-	-
16	.195	4.46	Ca	1	0	10.1	15.56	-	-	53.82	-38.26
17	.249	21.18	Qp	.7	0	10.1	31.98	61.79	-29.81	-	-
18	.249	4.15	Ca	.7	0	10.1	14.95	-	-	51.79	-36.84
19	.58875	17.44	Qp	.3	0	10.1	27.84	56	-28.16	-	-
20	.5775	5.1	Ca	.3	0	10.1	15.5	-	-	46	-30.5
21	.79125	26.09	Qp	.3	0	10.1	36.49	56	-19.51	-	-
22	.7845	15.49	Ca	.3	0	10.1	25.89	-	-	46	-20.11
23	13.56	38.75	Qp	.2	.2	10.2	49.35	60	-10.65	-	-
24	13.56	35.46	Ca	.2	.2	10.2	46.06	-	-	50	-3.94

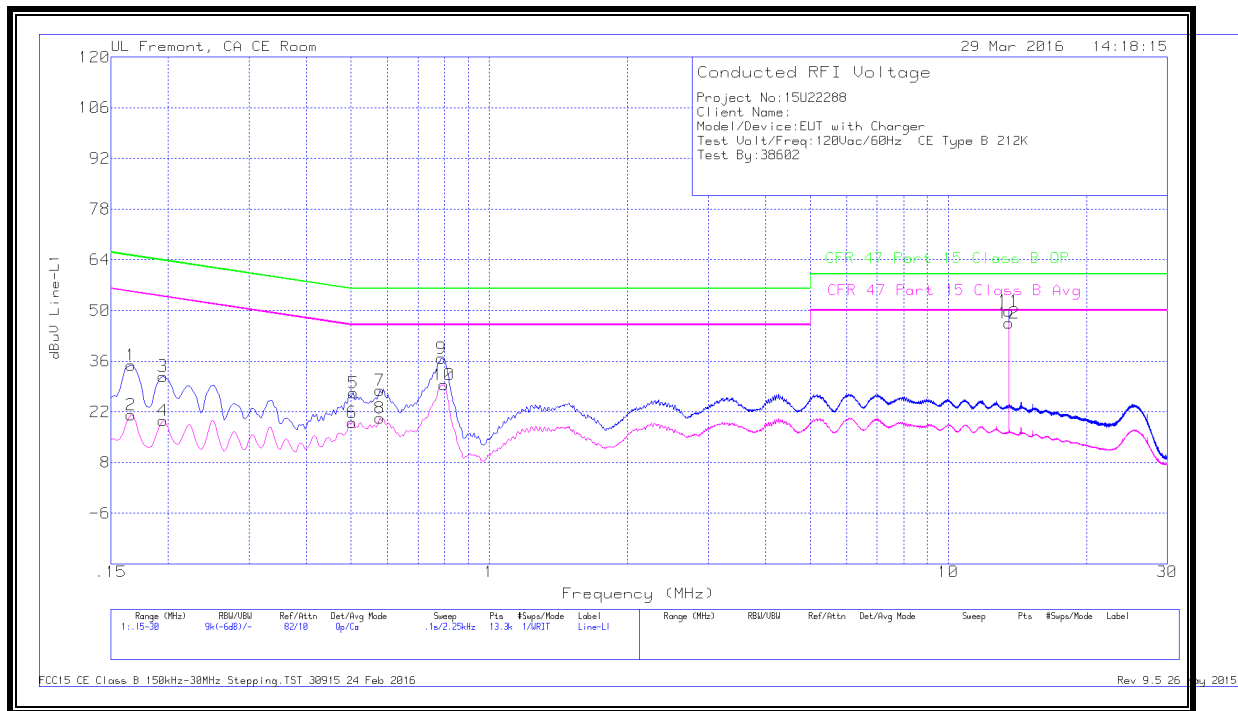
Qp - Quasi-Peak detector

Ca - CISPR average detection

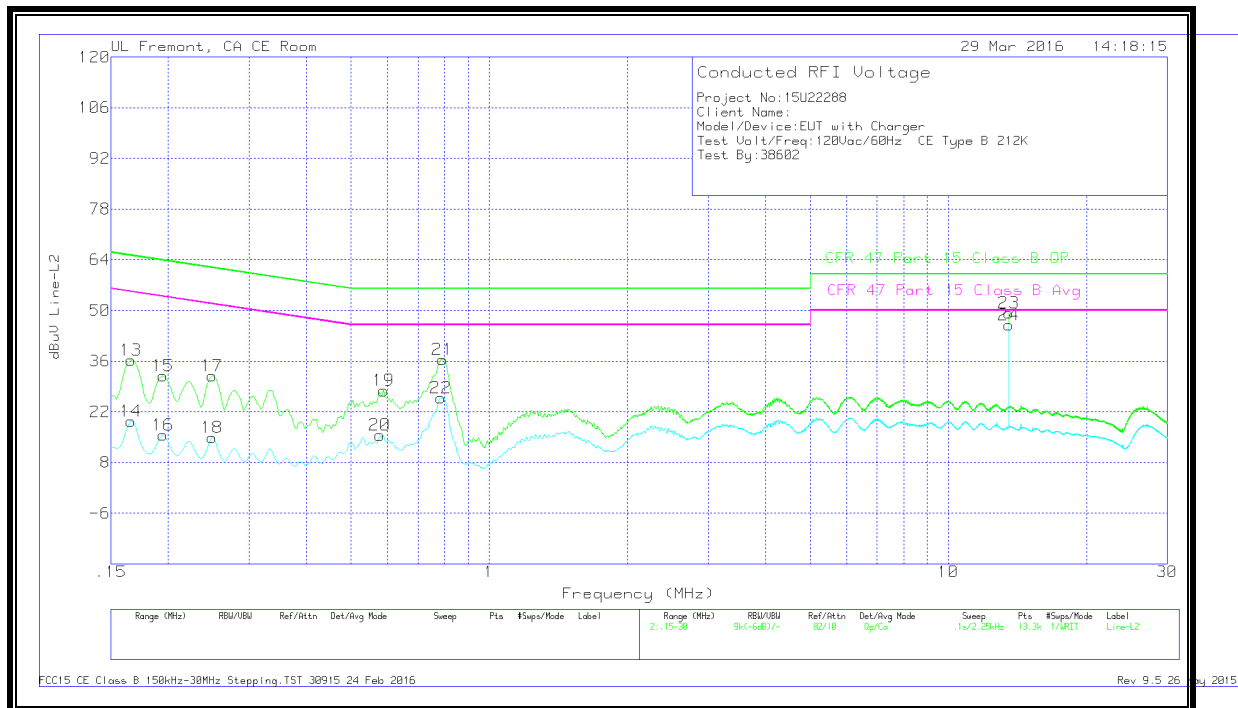
FCC15 CE Class B 150kHz-30MHz Stepping.TST 30915 24 Feb 2016

Rev 9.5 26 May 2015

LINE 1 RESULTS



LINE 2 RESULTS



10.2.7. NORMAL OPERATION, 106 KBPS

WORST EMISSIONS

Trace Markers

Range 1: Line-L1 .15 - 30MHz											
Marker	Frequenc y (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	15.7	Ca	1.2	0	10.1	27	-	-	55.06	-28.06
3	.19725	31.52	Qp	1	0	10.1	42.62	63.73	-21.11	-	-
4	.1995	14.59	Ca	.9	0	10.1	25.59	-	-	53.63	-28.04
5	.2535	29.6	Qp	.7	0	10.1	40.4	61.64	-21.24	-	-
6	.2535	14.21	Ca	.7	0	10.1	25.01	-	-	51.64	-26.63
7	.81825	31.7	Qp	.3	0	10.1	42.1	56	-13.9	-	-
8	.81375	24.02	Ca	.3	0	10.1	34.42	-	-	46	-11.58
9	1.4325	18.73	Qp	.2	.1	10.1	29.13	56	-26.87	-	-
10	1.4325	12.32	Ca	.2	.1	10.1	22.72	-	-	46	-23.28
11	13.56	54.67	Qp	.2	.2	10.2	65.27	60	5.27	-	-
12	13.56	51.54	Ca	.2	.2	10.2	62.14	-	-	50	12.14

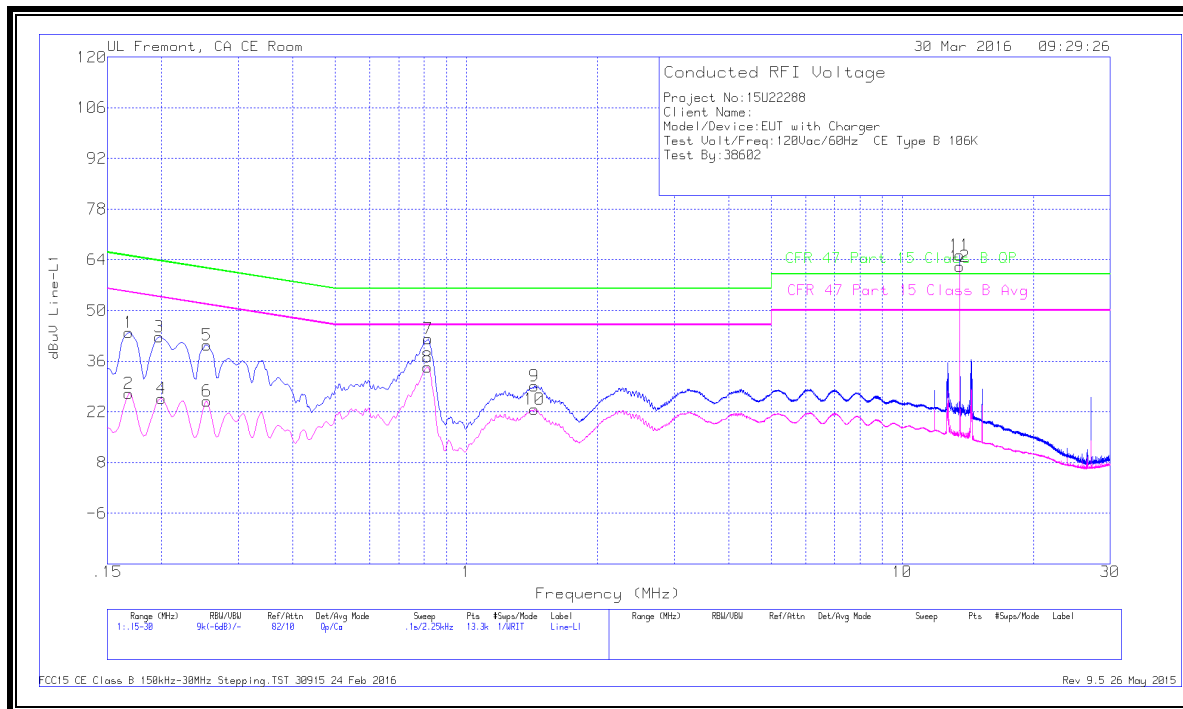
Range 2: Line-L2 .15 - 30MHz											
Marker	Frequenc y (MHz)	Meter Reading (dBuV)	Det	T24 IL L2	LC Cables 2&3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
13	.168	33.41	Qp	1.3	0	10.1	44.81	65.06	-20.25	-	-
14	.168	14.94	Ca	1.3	0	10.1	26.34	-	-	55.06	-28.72
15	.19725	30.55	Qp	1	0	10.1	41.65	63.73	-22.08	-	-
16	.1995	11.58	Ca	1	0	10.1	22.68	-	-	53.63	-30.95
17	.2535	30.23	Qp	.7	0	10.1	41.03	61.64	-20.61	-	-
18	.2535	11.95	Ca	.7	0	10.1	22.75	-	-	51.64	-28.89
19	.81375	31.82	Qp	.3	0	10.1	42.22	56	-13.78	-	-
20	.816	18.39	Ca	.3	0	10.1	28.79	-	-	46	-17.21
21	1.437	16.77	Qp	.2	.1	10.1	27.17	56	-28.83	-	-
22	1.4325	6.67	Ca	.2	.1	10.1	17.07	-	-	46	-28.93
23	13.56	54.46	Qp	.2	.2	10.2	65.06	60	5.06	-	-
24	13.56	51.01	Ca	.2	.2	10.2	61.61	-	-	50	11.61

Qp - Quasi-Peak detector

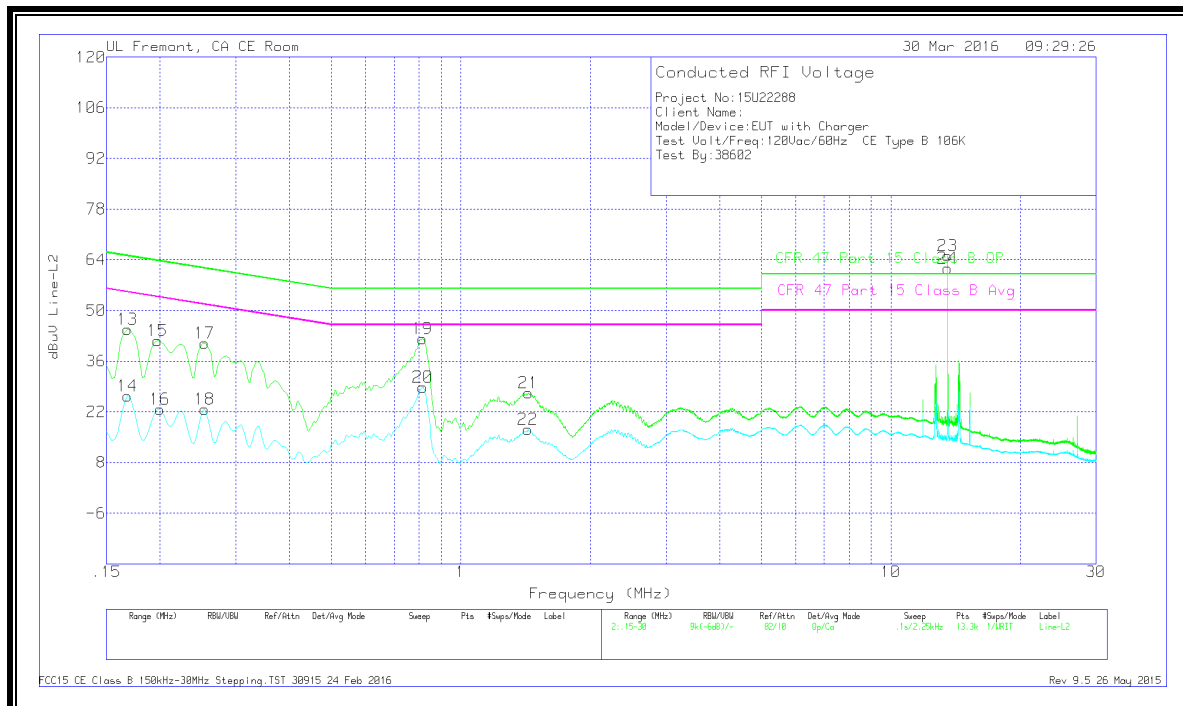
Ca - CISPR average detection

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



10.2.8. 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	23.59	Qp	1.2	0	10.1	34.89	65.17	-30.28	-	-
2	.16575	9.74	Ca	1.2	0	10.1	21.04	-	-	55.17	-34.13
3	.195	20.69	Qp	1	0	10.1	31.79	63.82	-32.03	-	-
4	.195	8.46	Ca	1	0	10.1	19.56	-	-	53.82	-34.26
5	.50325	16.71	Qp	.3	0	10.1	27.11	56	-28.89	-	-
6	.50325	8.67	Ca	.3	0	10.1	19.07	-	-	46	-26.93
7	.5775	17.67	Qp	.3	0	10.1	28.07	56	-27.93	-	-
8	.5775	10.05	Ca	.3	0	10.1	20.45	-	-	46	-25.55
9	.789	26.31	Qp	.3	0	10.1	36.71	56	-19.29	-	-
10	.798	19.07	Ca	.3	0	10.1	29.47	-	-	46	-16.53
11	13.56	40.32	Qp	.2	.2	10.2	50.92	60	-9.08	-	-
12	13.56	37.09	Ca	.2	.2	10.2	47.69	-	-	50	-2.31

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	24.77	Qp	1.3	0	10.1	36.17	65.17	-29	-	-
14	.16575	7.83	Ca	1.3	0	10.1	19.23	-	-	55.17	-35.94
15	.195	20.85	Qp	1	0	10.1	31.95	63.82	-31.87	-	-
16	.195	4.35	Ca	1	0	10.1	15.45	-	-	53.82	-38.37
17	.249	21.04	Qp	.7	0	10.1	31.84	61.79	-29.95	-	-
18	.249	4.01	Ca	.7	0	10.1	14.81	-	-	51.79	-36.98
19	.5775	17.01	Qp	.3	0	10.1	27.41	56	-28.59	-	-
20	.5775	5.12	Ca	.3	0	10.1	15.52	-	-	46	-30.48
21	.798	26.48	Qp	.3	0	10.1	36.88	56	-19.12	-	-
22	.798	15.45	Ca	.3	0	10.1	25.85	-	-	46	-20.15
23	13.56	39.86	Qp	.2	.2	10.2	50.46	60	-9.54	-	-
24	13.56	36.54	Ca	.2	.2	10.2	47.14	-	-	50	-2.86

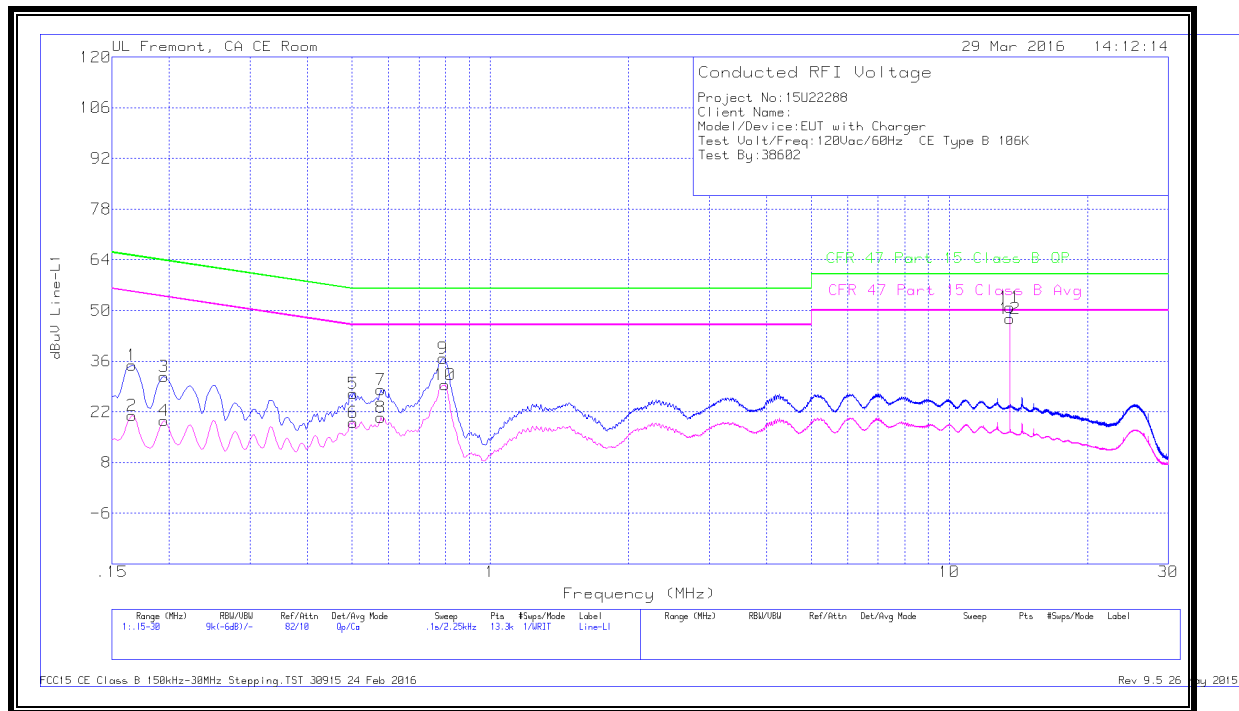
Qp - Quasi-Peak detector

Ca - CISPR average detection

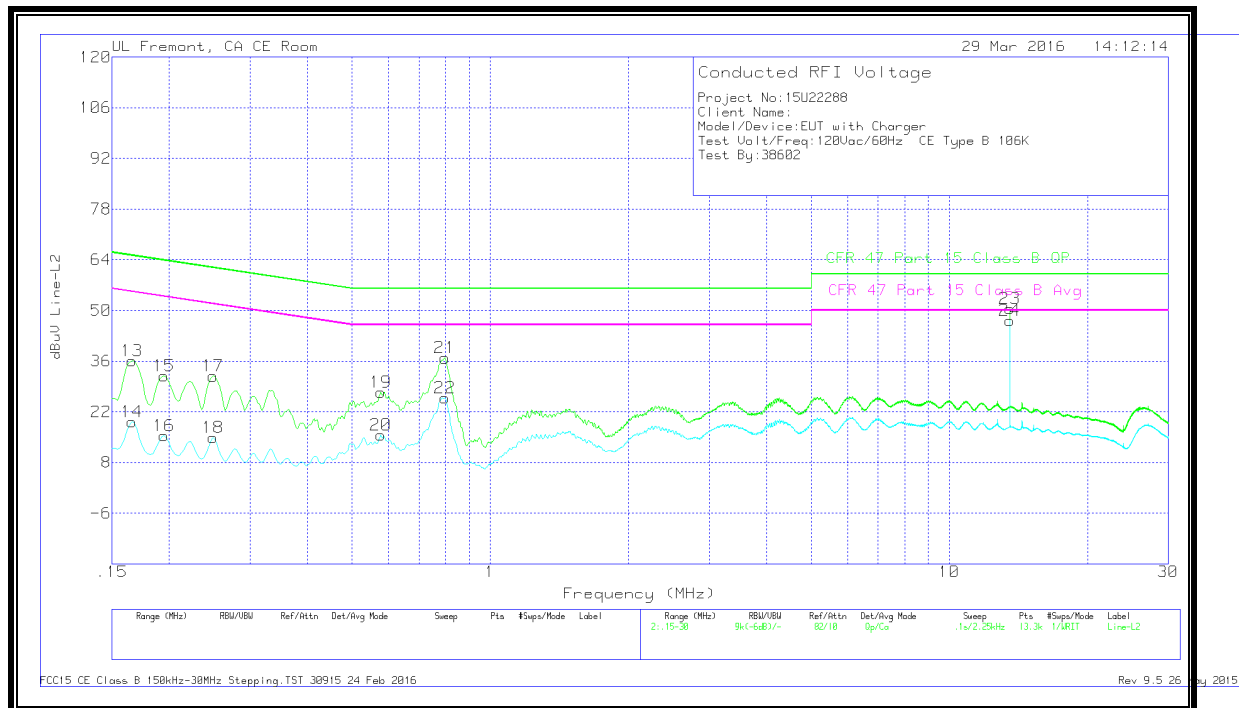
FCC15 CE Class B 150kHz-30MHz Stepping.TST 30915 24 Feb 2016

Rev 9.5 26 May 2015

LINE 1 RESULTS



LINE 2 RESULTS



10.3. CE MODE TYPE F

10.3.1. NORMAL OPERATION, 424 KBPS

6 WORST EMISSIONS

Trace Markers

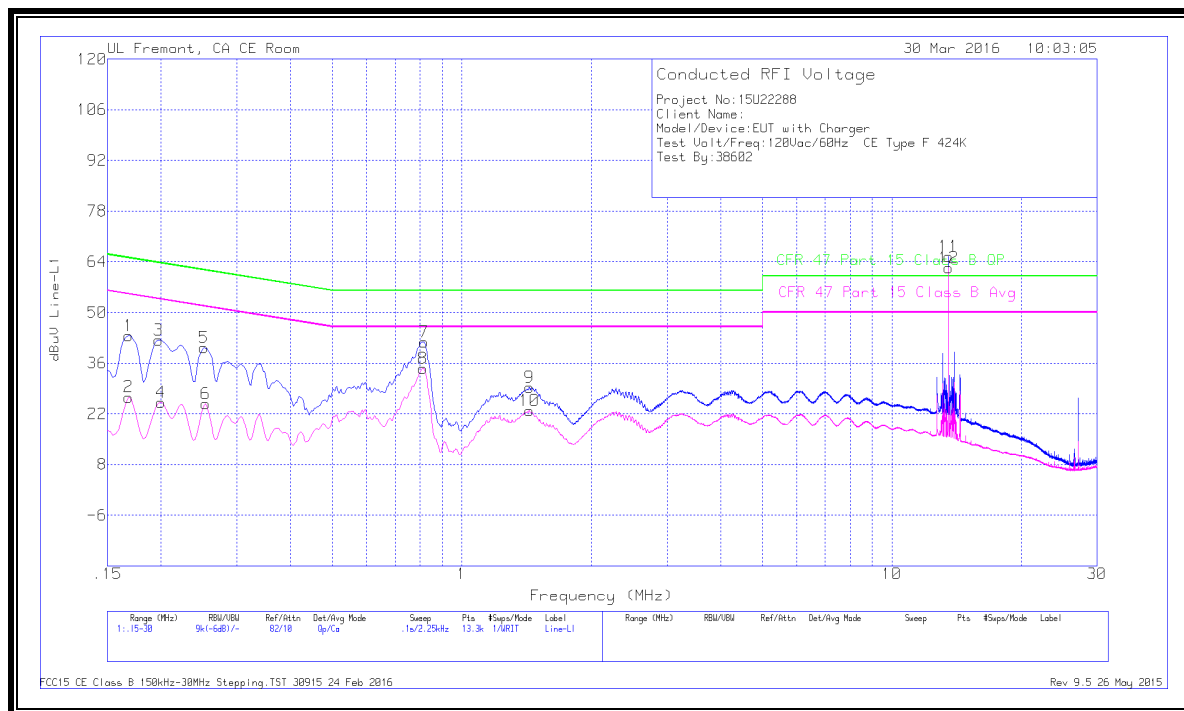
Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1	LC Cables 1&3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
1	.168	32.34	Qp	1.2	0	10.1	43.64	65.06	-21.42	-	-
2	.168	15.32	Ca	1.2	0	10.1	26.62	-	-	55.06	-28.44
3	.19725	31.27	Qp	1	0	10.1	42.37	63.73	-21.36	-	-
4	.1995	14.22	Ca	.9	0	10.1	25.22	-	-	53.63	-28.41
5	.25125	29.39	Qp	.7	0	10.1	40.19	61.72	-21.53	-	-
6	.2535	13.95	Ca	.7	0	10.1	24.75	-	-	51.64	-26.89
7	.81712	31.48	Qp	.3	0	10.1	41.88	56	-14.12	-	-
8	.81262	24.12	Ca	.3	0	10.1	34.52	-	-	46	-11.48
9	1.43588	18.87	Qp	.2	.1	10.1	29.27	56	-26.73	-	-
10	1.43475	12.51	Ca	.2	.1	10.1	22.91	-	-	46	-23.09
11	13.56	54.88	Qp	.2	.2	10.2	65.48	60	5.48	-	-
12	13.56	51.74	Ca	.2	.2	10.2	62.34	-	-	50	12.34

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	33.32	Qp	1.3	0	10.1	44.72	65.06	-20.34	-	-
14	.168	15.02	Ca	1.3	0	10.1	26.42	-	-	55.06	-28.64
15	.19725	30.46	Qp	1	0	10.1	41.56	63.73	-22.17	-	-
16	.1995	11.69	Ca	1	0	10.1	22.79	-	-	53.63	-30.84
17	.25125	30.14	Qp	.7	0	10.1	40.94	61.72	-20.78	-	-
18	.2535	11.99	Ca	.7	0	10.1	22.79	-	-	51.64	-28.85
19	.816	31.94	Qp	.3	0	10.1	42.34	56	-13.66	-	-
20	.816	18.51	Ca	.3	0	10.1	28.91	-	-	46	-17.09
21	1.40663	17.03	Qp	.2	0	10.1	27.33	56	-28.67	-	-
22	1.4325	6.65	Ca	.2	.1	10.1	17.05	-	-	46	-28.95
23	13.56	54.67	Qp	.2	.2	10.2	65.27	60	5.27	-	-
24	13.56	51.21	Ca	.2	.2	10.2	61.81	-	-	50	11.81

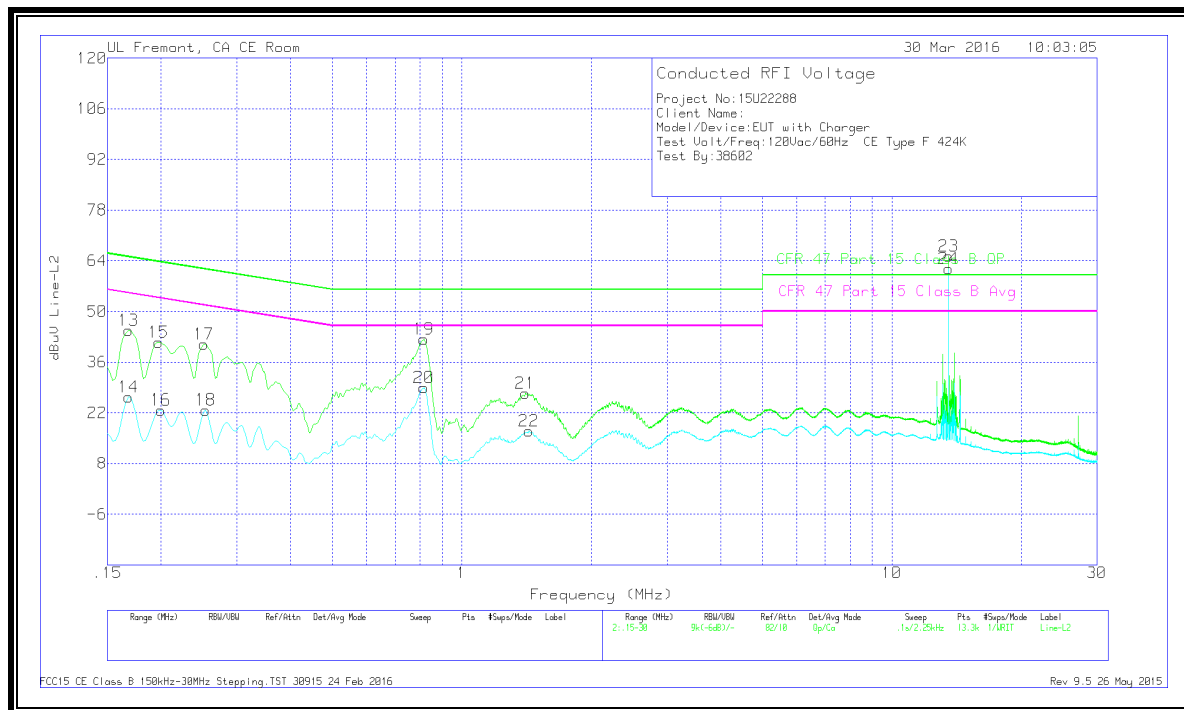
Qp - Quasi-Peak detector
Ca - CISPR average detection

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



10.3.2. 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	23.64	Qp	1.2	0	10.1	34.94	65.17	-30.23	-	-
2	.16575	10.11	Ca	1.2	0	10.1	21.41	-	-	55.17	-33.76
3	.195	20.67	Qp	1	0	10.1	31.77	63.82	-32.05	-	-
4	.195	8.77	Ca	1	0	10.1	19.87	-	-	53.82	-33.95
5	.5055	16.87	Qp	.3	0	10.1	27.27	56	-28.73	-	-
6	.50325	8.92	Ca	.3	0	10.1	19.32	-	-	46	-26.68
7	.5775	17.94	Qp	.3	0	10.1	28.34	56	-27.66	-	-
8	.5775	10.41	Ca	.3	0	10.1	20.81	-	-	46	-25.19
9	.78675	26.63	Qp	.3	0	10.1	37.03	56	-18.97	-	-
10	.78675	19.32	Ca	.3	0	10.1	29.72	-	-	46	-16.28
11	13.56	37.95	Qp	.2	.2	10.2	48.55	60	-11.45	-	-
12	13.56	34.7	Ca	.2	.2	10.2	45.3	-	-	50	-4.7

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	24.88	Qp	1.3	0	10.1	36.28	65.17	-28.89	-	-
14	.16575	8.14	Ca	1.3	0	10.1	19.54	-	-	55.17	-35.63
15	.19275	20.91	Qp	1.1	0	10.1	32.11	63.92	-31.81	-	-
16	.195	4.59	Ca	1	0	10.1	15.69	-	-	53.82	-38.13
17	.249	21.26	Qp	.7	0	10.1	32.06	61.79	-29.73	-	-
18	.249	4.33	Ca	.7	0	10.1	15.13	-	-	51.79	-36.66
19	.5865	17.41	Qp	.3	0	10.1	27.81	56	-28.19	-	-
20	.5865	5.03	Ca	.3	0	10.1	15.43	-	-	46	-30.57
21	.80025	26.35	Qp	.3	0	10.1	36.75	56	-19.25	-	-
22	.7845	15.48	Ca	.3	0	10.1	25.88	-	-	46	-20.12
23	13.56	37.99	Qp	.2	.2	10.2	48.59	60	-11.41	-	-
24	13.56	34.71	Ca	.2	.2	10.2	45.31	-	-	50	-4.69

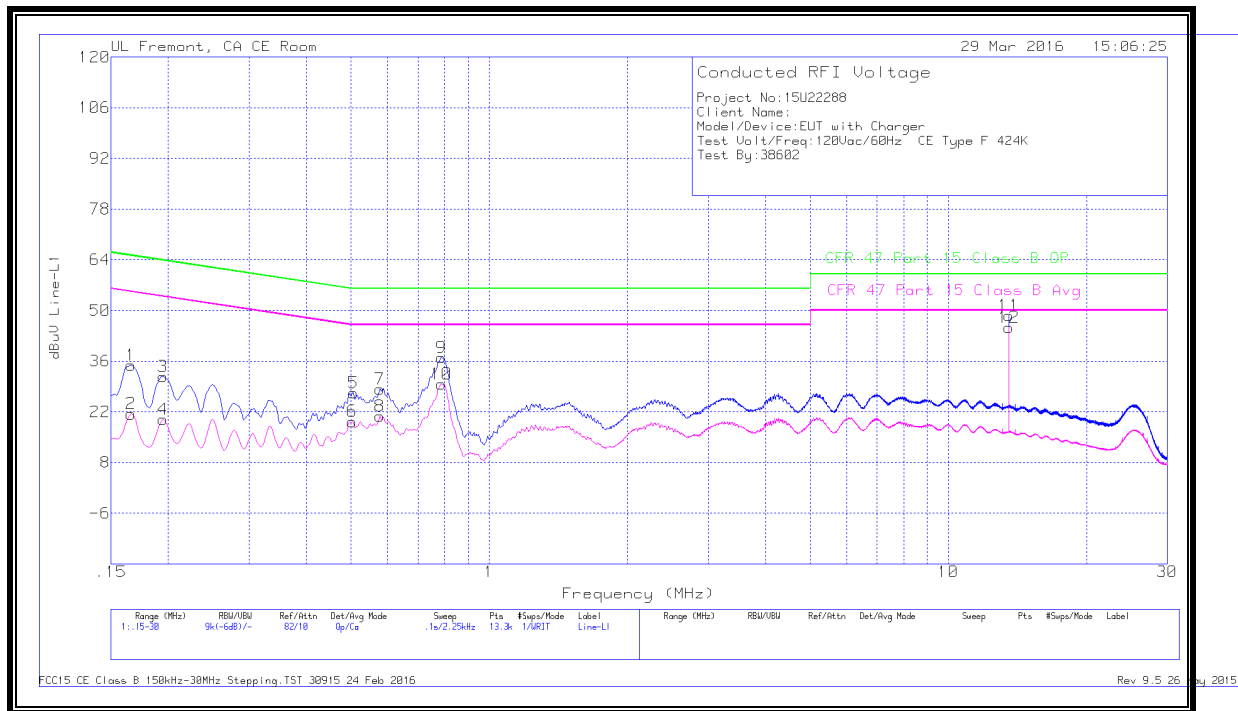
Qp - Quasi-Peak detector

Ca - CISPR average detection

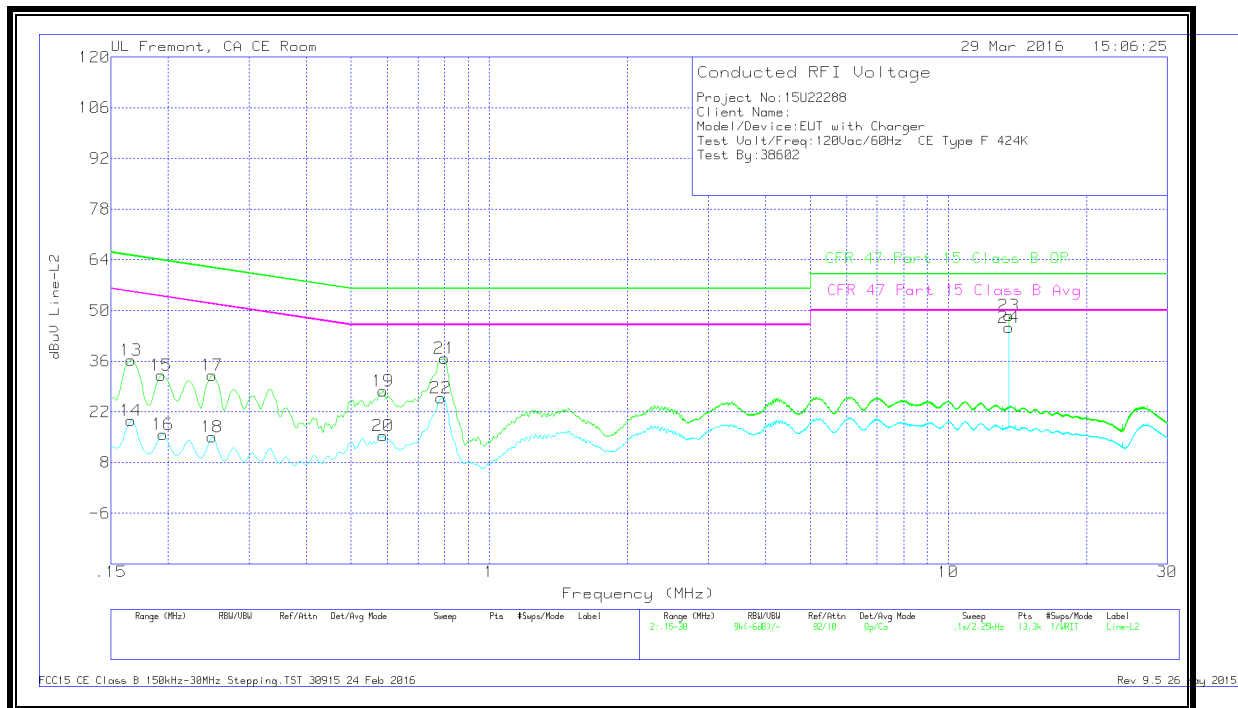
FCC15 CE Class B 150kHz-30MHz Stepping.TST 30915 24 Feb 2016

Rev 9.5 26 May 2015

LINE 1 RESULTS



LINE 2 RESULTS



10.3.3. NORMAL OPERATION, 212 KBPS

6 WORST EMISSIONS

Trace Markers

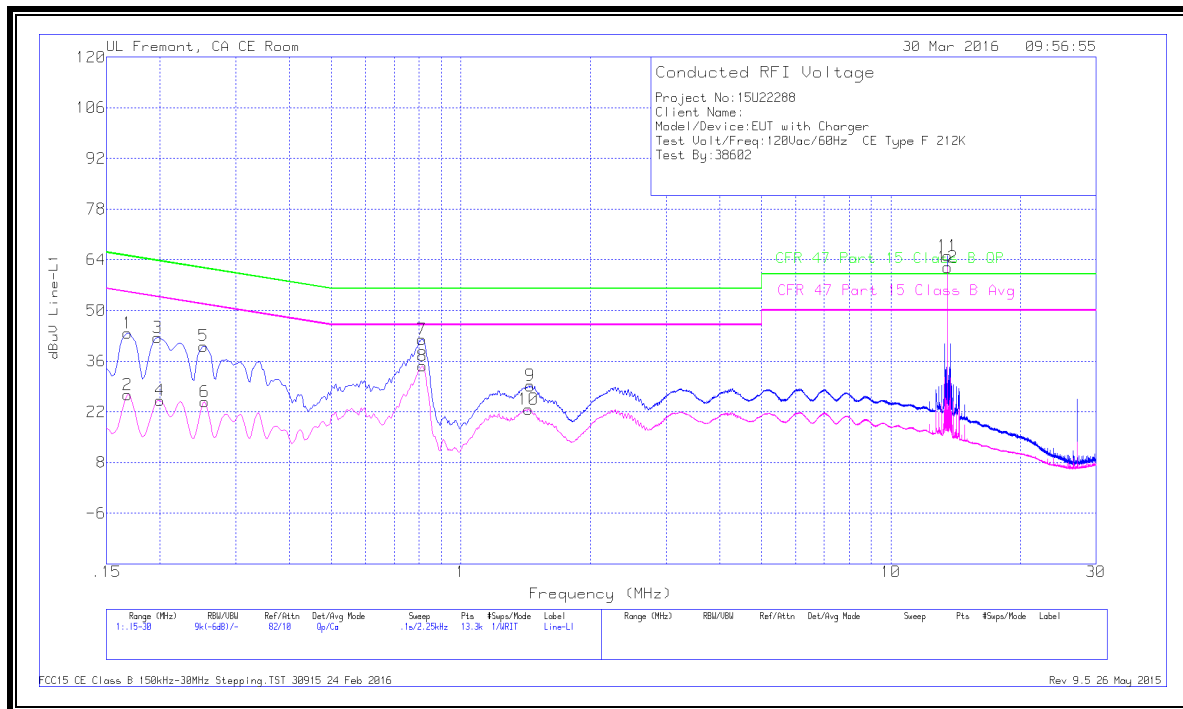
Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1	LC Cables 1&3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
1	.168	32.38	Qp	1.2	0	10.1	43.68	65.06	-21.38	-	-
2	.168	15.43	Ca	1.2	0	10.1	26.73	-	-	55.06	-28.33
3	.19725	31.44	Qp	1	0	10.1	42.54	63.73	-21.19	-	-
4	.1995	14.22	Ca	.9	0	10.1	25.22	-	-	53.63	-28.41
5	.25238	29.38	Qp	.7	0	10.1	40.18	61.68	-21.5	-	-
6	.2535	14.03	Ca	.7	0	10.1	24.83	-	-	51.64	-26.81
7	.8115	31.62	Qp	.3	0	10.1	42.02	56	-13.98	-	-
8	.81375	24.23	Ca	.3	0	10.1	34.63	-	-	46	-11.37
9	1.44825	18.83	Qp	.2	.1	10.1	29.23	56	-26.77	-	-
10	1.43475	12.38	Ca	.2	.1	10.1	22.78	-	-	46	-23.22
11	13.56	54.48	Qp	.2	.2	10.2	65.08	60	5.08	-	-
12	13.56	51.31	Ca	.2	.2	10.2	61.91	-	-	50	11.91

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	33.33	Qp	1.3	0	10.1	44.73	65.06	-20.33	-	-
14	.168	14.77	Ca	1.3	0	10.1	26.17	-	-	55.06	-28.89
15	.19725	30.26	Qp	1	0	10.1	41.36	63.73	-22.37	-	-
16	.1995	11.33	Ca	1	0	10.1	22.43	-	-	53.63	-31.2
17	.2535	30.19	Qp	.7	0	10.1	40.99	61.64	-20.65	-	-
18	.2535	11.87	Ca	.7	0	10.1	22.67	-	-	51.64	-28.97
19	.81375	31.84	Qp	.3	0	10.1	42.24	56	-13.76	-	-
20	.81375	18.51	Ca	.3	0	10.1	28.91	-	-	46	-17.09
21	1.44825	17.02	Qp	.2	.1	10.1	27.42	56	-28.58	-	-
22	1.4325	6.57	Ca	.2	.1	10.1	16.97	-	-	46	-29.03
23	13.56	54.25	Qp	.2	.2	10.2	64.85	60	4.85	-	-
24	13.56	50.76	Ca	.2	.2	10.2	61.36	-	-	50	11.36

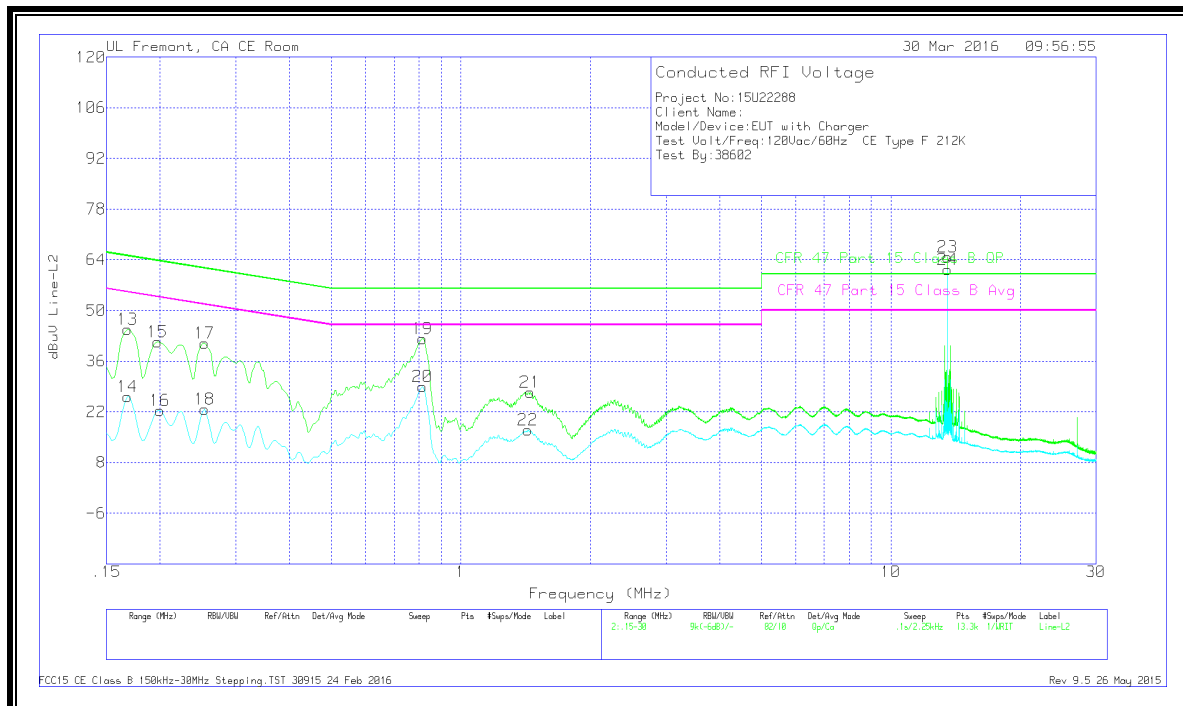
Qp - Quasi-Peak detector
Ca - CISPR average detection

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



10.3.4. 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	23.84	Qp	1.2	0	10.1	35.14	65.17	-30.03	-	-
2	.16575	10.12	Ca	1.2	0	10.1	21.42	-	-	55.17	-33.75
3	.195	20.82	Qp	1	0	10.1	31.92	63.82	-31.9	-	-
4	.195	8.74	Ca	1	0	10.1	19.84	-	-	53.82	-33.98
5	.5055	16.96	Qp	.3	0	10.1	27.36	56	-28.64	-	-
6	.50325	8.8	Ca	.3	0	10.1	19.2	-	-	46	-26.8
7	.58875	18.16	Qp	.3	0	10.1	28.56	56	-27.44	-	-
8	.57975	10.05	Ca	.3	0	10.1	20.45	-	-	46	-25.55
9	.79125	26.55	Qp	.3	0	10.1	36.95	56	-19.05	-	-
10	.78675	19.2	Ca	.3	0	10.1	29.6	-	-	46	-16.4
11	13.56	37.24	Qp	.2	.2	10.2	47.84	60	-12.16	-	-
12	13.56	34.06	Ca	.2	.2	10.2	44.66	-	-	50	-5.34

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	25.06	Qp	1.3	0	10.1	36.46	65.17	-28.71	-	-
14	.16575	8.32	Ca	1.3	0	10.1	19.72	-	-	55.17	-35.45
15	.195	21.06	Qp	1	0	10.1	32.16	63.82	-31.66	-	-
16	.195	4.73	Ca	1	0	10.1	15.83	-	-	53.82	-37.99
17	.249	21.34	Qp	.7	0	10.1	32.14	61.79	-29.65	-	-
18	.249	4.39	Ca	.7	0	10.1	15.19	-	-	51.79	-36.6
19	.5775	17.36	Qp	.3	0	10.1	27.76	56	-28.24	-	-
20	.5775	5.19	Ca	.3	0	10.1	15.59	-	-	46	-30.41
21	.79575	26.4	Qp	.3	0	10.1	36.8	56	-19.2	-	-
22	.79575	15.45	Ca	.3	0	10.1	25.85	-	-	46	-20.15
23	13.56	36.83	Qp	.2	.2	10.2	47.43	60	-12.57	-	-
24	13.56	33.57	Ca	.2	.2	10.2	44.17	-	-	50	-5.83

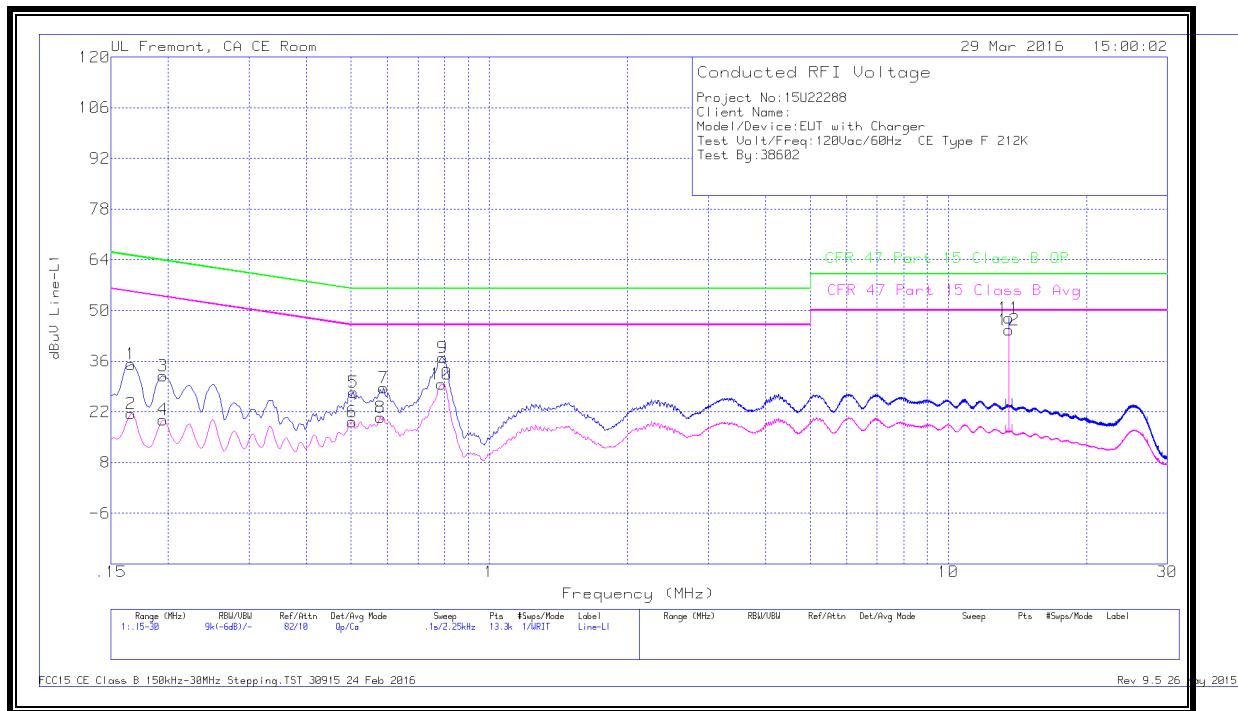
Qp - Quasi-Peak detector

Ca - CISPR average detection

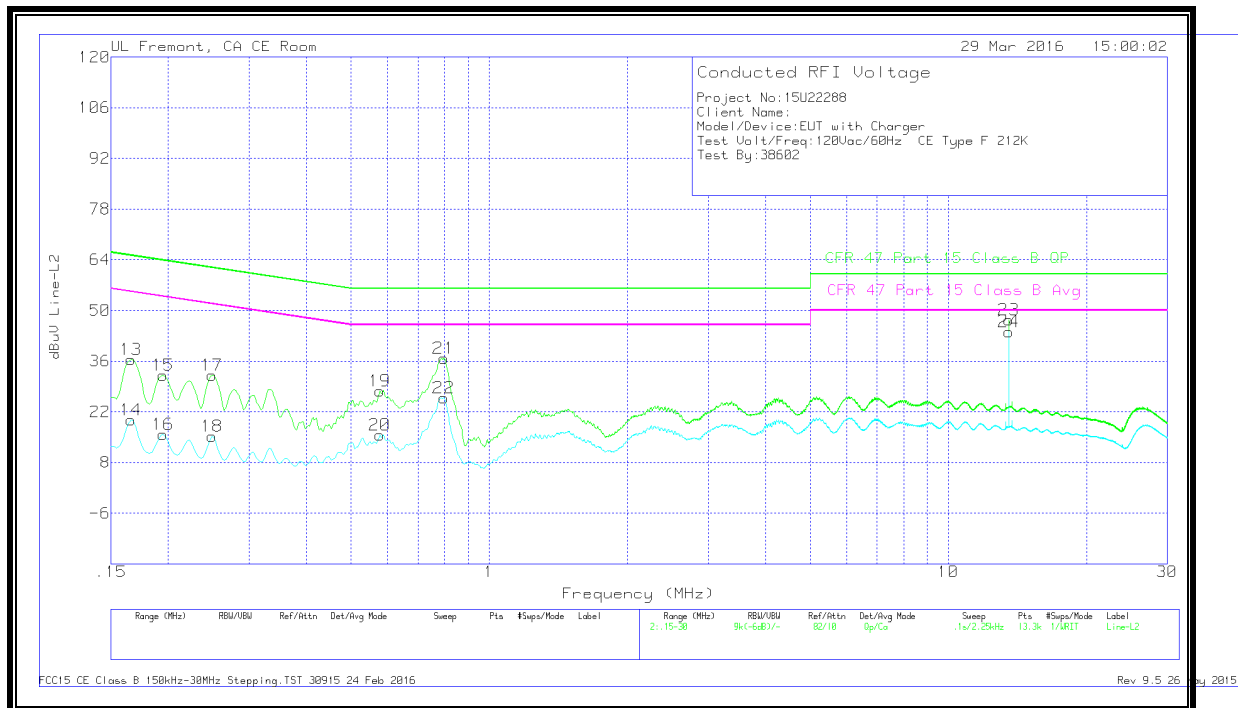
FCC15 CE Class B 150kHz-30MHz Stepping.TST 30915 24 Feb 2016

Rev 9.5 26 May 2015

LINE 1 RESULTS



LINE 2 RESULTS



10.4. READER MODE TYPE A

10.4.1. 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	32.32	Qp	1.2	0	10.1	43.62	65.06	-21.44	-	-
2	.168	15.11	Ca	1.2	0	10.1	26.41	-	-	55.06	-28.65
3	.19725	31.19	Qp	1	0	10.1	42.29	63.73	-21.44	-	-
4	.1995	13.94	Ca	.9	0	10.1	24.94	-	-	53.63	-28.69
5	.25125	29.41	Qp	.7	0	10.1	40.21	61.72	-21.51	-	-
6	.2535	13.8	Ca	.7	0	10.1	24.6	-	-	51.64	-27.04
7	.81825	31.65	Qp	.3	0	10.1	42.05	56	-13.95	-	-
8	.81375	24.08	Ca	.3	0	10.1	34.48	-	-	46	-11.52
9	1.44825	18.75	Qp	.2	.1	10.1	29.15	56	-26.85	-	-
10	1.4325	12.3	Ca	.2	.1	10.1	22.7	-	-	46	-23.3
11	13.56	55.53	Qp	.2	.2	10.2	66.13	60	6.13	-	-
12	13.56	52.32	Ca	.2	.2	10.2	62.92	-	-	50	12.92

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	33.21	Qp	1.3	0	10.1	44.61	65.06	-20.45	-	-
14	.168	13.92	Ca	1.3	0	10.1	25.32	-	-	55.06	-29.74
15	.19725	30.09	Qp	1	0	10.1	41.19	63.73	-22.54	-	-
16	.1995	10.58	Ca	1	0	10.1	21.68	-	-	53.63	-31.95
17	.2535	30.02	Qp	.7	0	10.1	40.82	61.64	-20.82	-	-
18	.2535	11.12	Ca	.7	0	10.1	21.92	-	-	51.64	-29.72
19	.8205	31.76	Qp	.3	0	10.1	42.16	56	-13.84	-	-
20	.816	18.36	Ca	.3	0	10.1	28.76	-	-	46	-17.24
21	1.43025	16.83	Qp	.2	.1	10.1	27.23	56	-28.77	-	-
22	1.4325	6.48	Ca	.2	.1	10.1	16.88	-	-	46	-29.12
23	13.56	55.2	Qp	.2	.2	10.2	65.8	60	5.8	-	-
24	13.56	51.76	Ca	.2	.2	10.2	62.36	-	-	50	12.36

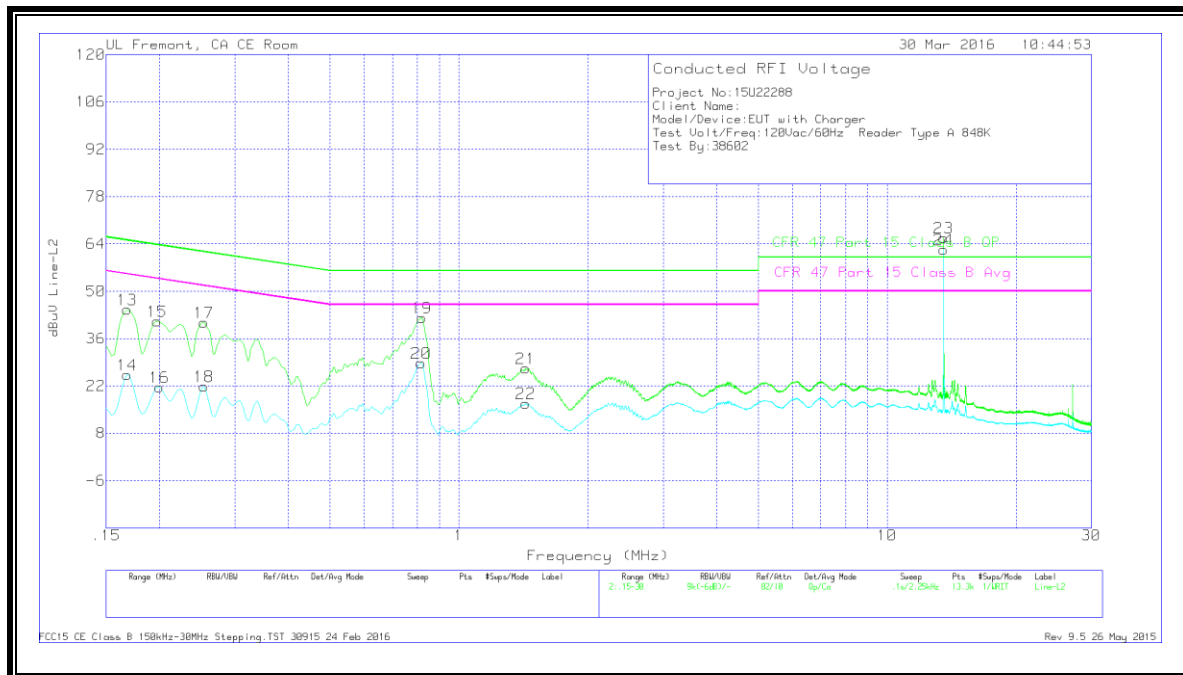
Qp - Quasi-Peak detector
Ca - CISPR average detection

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



10.4.2. WITH ANTENNA PORT TERMINATED, 848 KBPS

WORST EMISSIONS

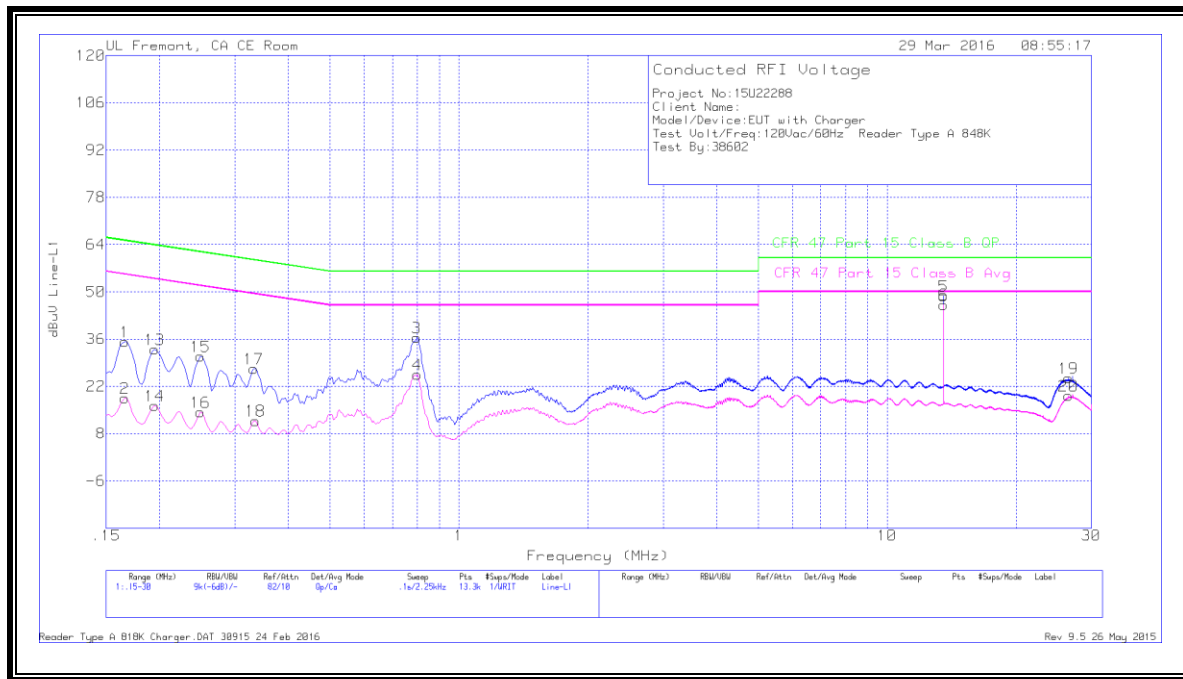
Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1	LC Cables 1&3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
1	.16575	23.93	Qp	1.2	0	10.1	35.23	65.17	-29.94	-	-
2	.16575	7.2	Ca	1.2	0	10.1	18.5	-	-	55.17	-36.67
3	.798	26.03	Qp	.3	0	10.1	36.43	56	-19.57	-	-
4	.80025	15.16	Ca	.3	0	10.1	25.56	-	-	46	-20.44
5	13.56	38.23	Qp	.2	.2	10.2	48.83	60	-11.17	-	-
6	13.56	35.66	Ca	.2	.2	10.2	46.26	-	-	50	-3.74
13	.195	21.84	Qp	1	0	10.1	32.94	63.82	-30.88	-	-
14	.195	5.22	Ca	1	0	10.1	16.32	-	-	53.82	-37.5
15	.249	20.04	Qp	.7	0	10.1	30.84	61.79	-30.95	-	-
16	.249	3.5	Ca	.7	0	10.1	14.3	-	-	51.79	-37.49
17	.33225	16.65	Qp	.5	0	10.1	27.25	59.39	-32.14	-	-
18	.3345	1.24	Ca	.5	0	10.1	11.84	-	-	49.34	-37.5
19	26.49075	13.37	Qp	.3	.3	10.5	24.47	60	-35.53	-	-
20	26.49075	8.15	Ca	.3	.3	10.5	19.25	-	-	50	-30.75

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)
7	.16575	24.22	Qp	1.3	0	10.1	35.62	65.17	-29.55	-	-
8	.16575	8.36	Ca	1.3	0	10.1	19.76	-	-	55.17	-35.41
9	.78675	25.49	Qp	.3	0	10.1	35.89	56	-20.11	-	-
10	.80025	17.44	Ca	.3	0	10.1	27.84	-	-	46	-18.16
11	13.56	34.6	Qp	.2	.2	10.2	45.2	60	-14.8	-	-
12	13.56	33.91	Ca	.2	.2	10.2	44.51	-	-	50	-5.49
21	.58875	15.51	Qp	.3	0	10.1	25.91	56	-30.09	-	-
22	.5775	7.56	Ca	.3	0	10.1	17.96	-	-	46	-28.04
23	4.26525	13.78	Qp	.2	.1	10.1	24.18	56	-31.82	-	-
24	4.2675	8.01	Ca	.2	.1	10.1	18.41	-	-	46	-27.59
25	25.404	8.65	Qp	.3	.3	10.5	19.75	60	-40.25	-	-
26	25.40175	4.26	Ca	.3	.3	10.5	15.36	-	-	50	-34.64

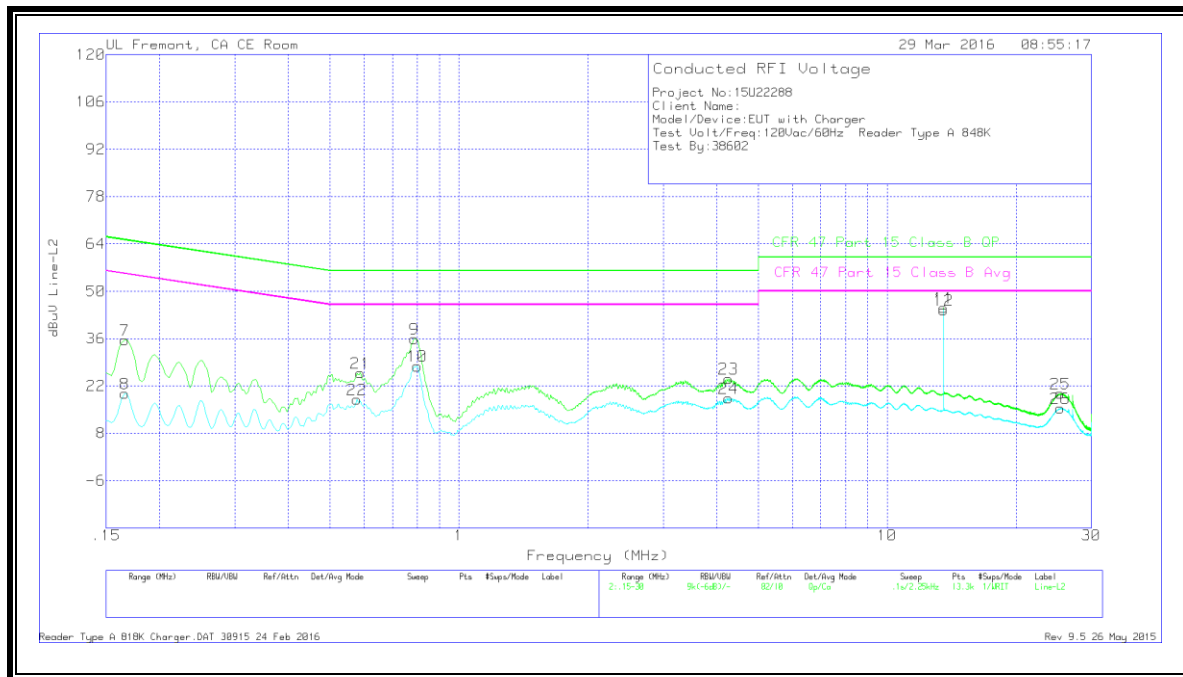
Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 1 RESULTS



LINE 2 RESULTS



10.4.3. NORMAL OPERATION, 424 KBPS

WORST EMISSIONS

Trace Markers

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	32.15	Qp	1.2	0	10.1	43.45	65.06	-21.61	-	-
2	.168	14.08	Ca	1.2	0	10.1	25.38	-	-	55.06	-29.68
3	.1995	30.88	Qp	.9	0	10.1	41.88	63.63	-21.75	-	-
4	.1995	12.89	Ca	.9	0	10.1	23.89	-	-	53.63	-29.74
5	.2535	29.2	Qp	.7	0	10.1	40	61.64	-21.64	-	-
6	.2535	13.13	Ca	.7	0	10.1	23.93	-	-	51.64	-27.71
7	.81375	31.63	Qp	.3	0	10.1	42.03	56	-13.97	-	-
8	.81375	24.19	Ca	.3	0	10.1	34.59	-	-	46	-11.41
9	1.46175	18.77	Qp	.2	.1	10.1	29.17	56	-26.83	-	-
10	1.4325	12.36	Ca	.2	.1	10.1	22.76	-	-	46	-23.24
11	13.56	55.45	Qp	.2	.2	10.2	66.05	60	6.05	-	-
12	13.56	52.3	Ca	.2	.2	10.2	62.9	-	-	50	12.9

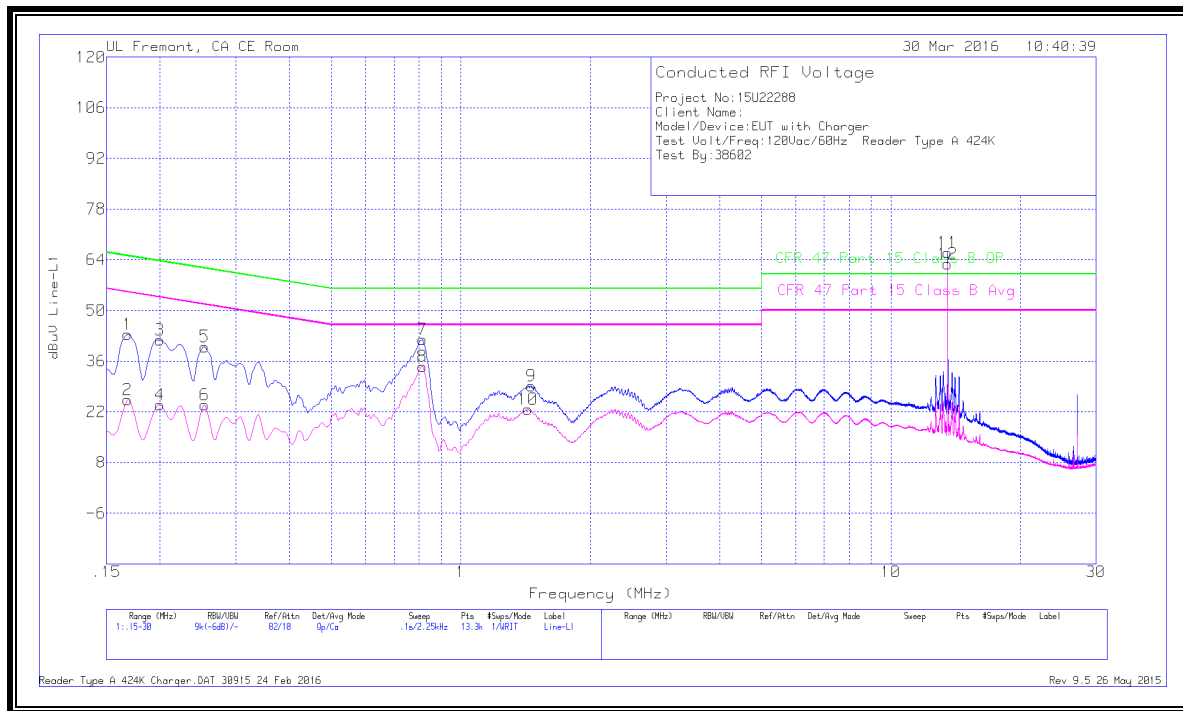
Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2	LC Cables 2&3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
13	.168	33.17	Qp	1.3	0	10.1	44.57	65.06	-20.49	-	-
14	.168	14	Ca	1.3	0	10.1	25.4	-	-	55.06	-29.66
15	.19725	29.91	Qp	1	0	10.1	41.01	63.73	-22.72	-	-
16	.1995	10.44	Ca	1	0	10.1	21.54	-	-	53.63	-32.09
17	.2535	30.05	Qp	.7	0	10.1	40.85	61.64	-20.79	-	-
18	.2535	11.22	Ca	.7	0	10.1	22.02	-	-	51.64	-29.62
19	.80925	31.44	Qp	.3	0	10.1	41.84	56	-14.16	-	-
20	.81375	18.3	Ca	.3	0	10.1	28.7	-	-	46	-17.3
21	1.4325	16.92	Qp	.2	.1	10.1	27.32	56	-28.68	-	-
22	1.4325	6.48	Ca	.2	.1	10.1	16.88	-	-	46	-29.12
23	13.56	55.15	Qp	.2	.2	10.2	65.75	60	5.75	-	-
24	13.56	51.68	Ca	.2	.2	10.2	62.28	-	-	50	12.28

Qp - Quasi-Peak detector

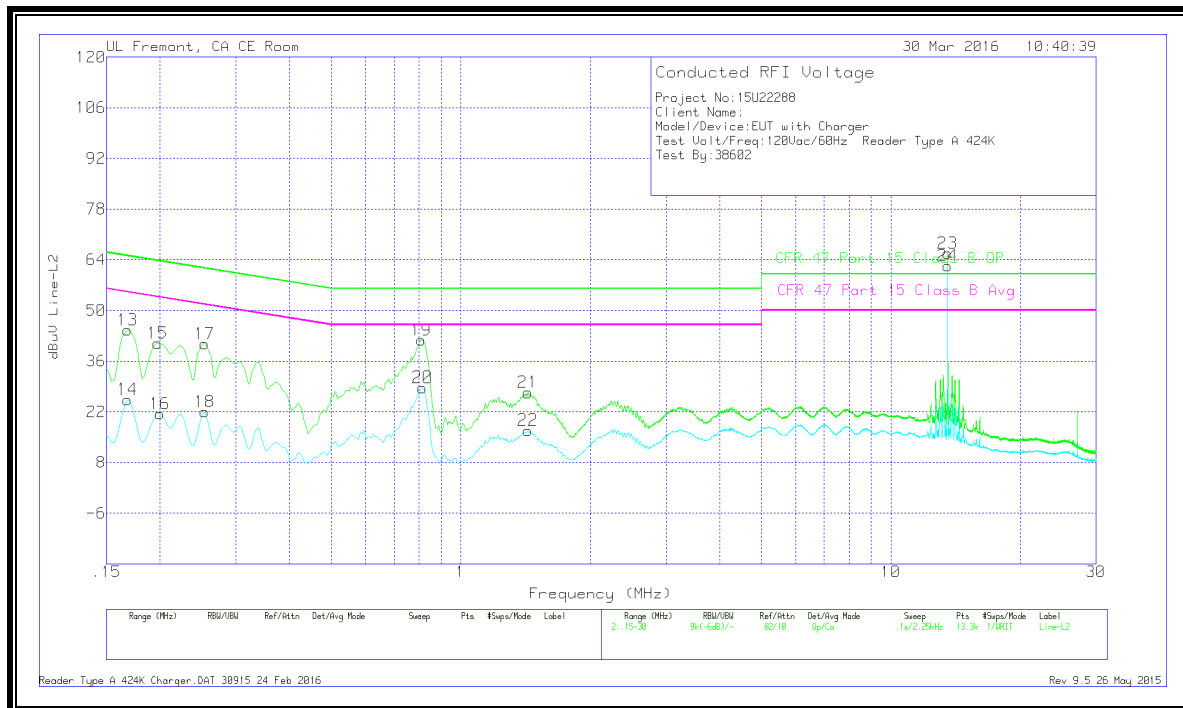
Ca - CISPR average detection

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



10.4.4. 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	23.83	Qp	1.2	0	10.1	35.13	65.17	-30.04	-	-
2	.16575	6.88	Ca	1.2	0	10.1	18.18	-	-	55.17	-36.99
3	.195	21.45	Qp	1	0	10.1	32.55	63.82	-31.27	-	-
4	.195	4.83	Ca	1	0	10.1	15.93	-	-	53.82	-37.89
5	.25125	20.09	Qp	.7	0	10.1	30.89	61.72	-30.83	-	-
6	.249	3.33	Ca	.7	0	10.1	14.13	-	-	51.79	-37.66
7	.3345	16.84	Qp	.5	0	10.1	27.44	59.34	-31.9	-	-
8	.33225	1.09	Ca	.5	0	10.1	11.69	-	-	49.39	-37.7
9	.80025	25.3	Qp	.3	0	10.1	35.7	56	-20.3	-	-
10	.798	14.93	Ca	.3	0	10.1	25.33	-	-	46	-20.67
11	13.56	38.21	Qp	.2	.2	10.2	48.81	60	-11.19	-	-
12	13.56	35.55	Ca	.2	.2	10.2	46.15	-	-	50	-3.85

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	24.24	Qp	1.3	0	10.1	35.64	65.17	-29.53	-	-
14	.16575	8.08	Ca	1.3	0	10.1	19.48	-	-	55.17	-35.69
15	.195	19.83	Qp	1	0	10.1	30.93	63.82	-32.89	-	-
16	.195	5.51	Ca	1	0	10.1	16.61	-	-	53.82	-37.21
17	.249	18.75	Qp	.7	0	10.1	29.55	61.79	-32.24	-	-
18	.249	6.86	Ca	.7	0	10.1	17.66	-	-	51.79	-34.13
19	.5775	15.05	Qp	.3	0	10.1	25.45	56	-30.55	-	-
20	.5775	7.55	Ca	.3	0	10.1	17.95	-	-	46	-28.05
21	.78675	25.04	Qp	.3	0	10.1	35.44	56	-20.56	-	-
22	.798	17.33	Ca	.3	0	10.1	27.73	-	-	46	-18.27
23	13.56	33.69	Qp	.2	.2	10.2	44.29	60	-15.71	-	-
24	13.56	33.02	Ca	.2	.2	10.2	43.62	-	-	50	-6.38

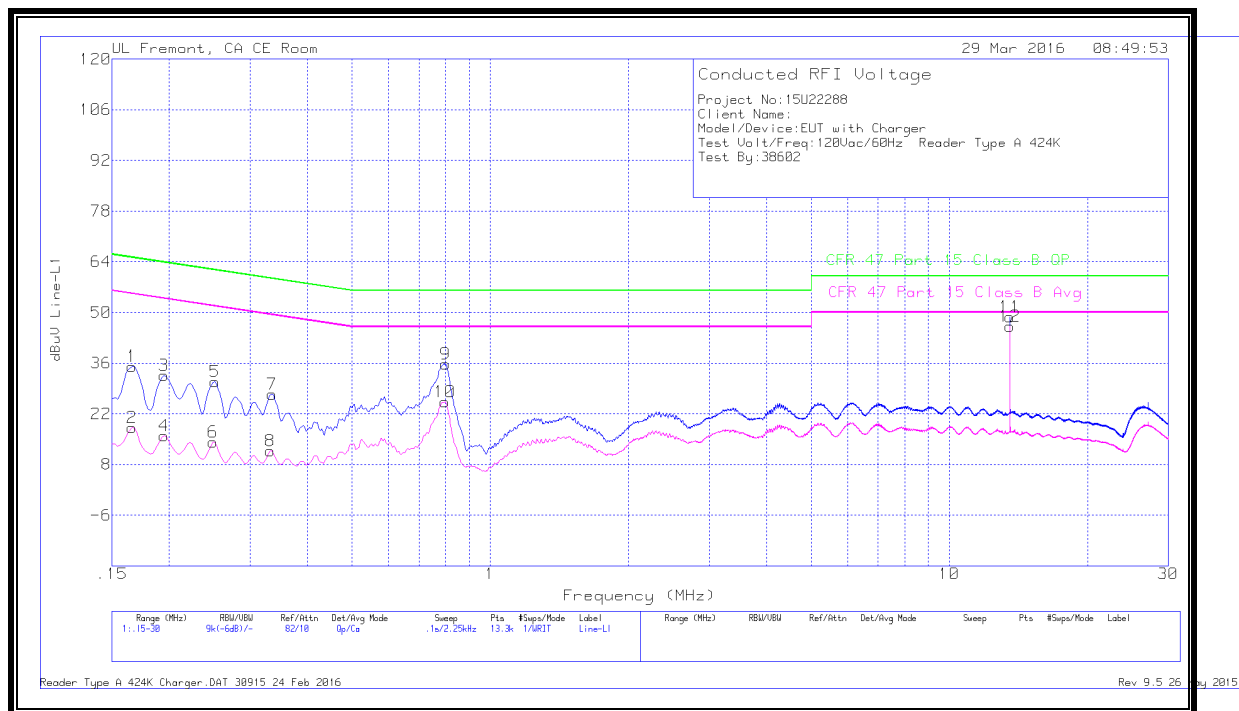
Qp - Quasi-Peak detector

Ca - CISPR average detection

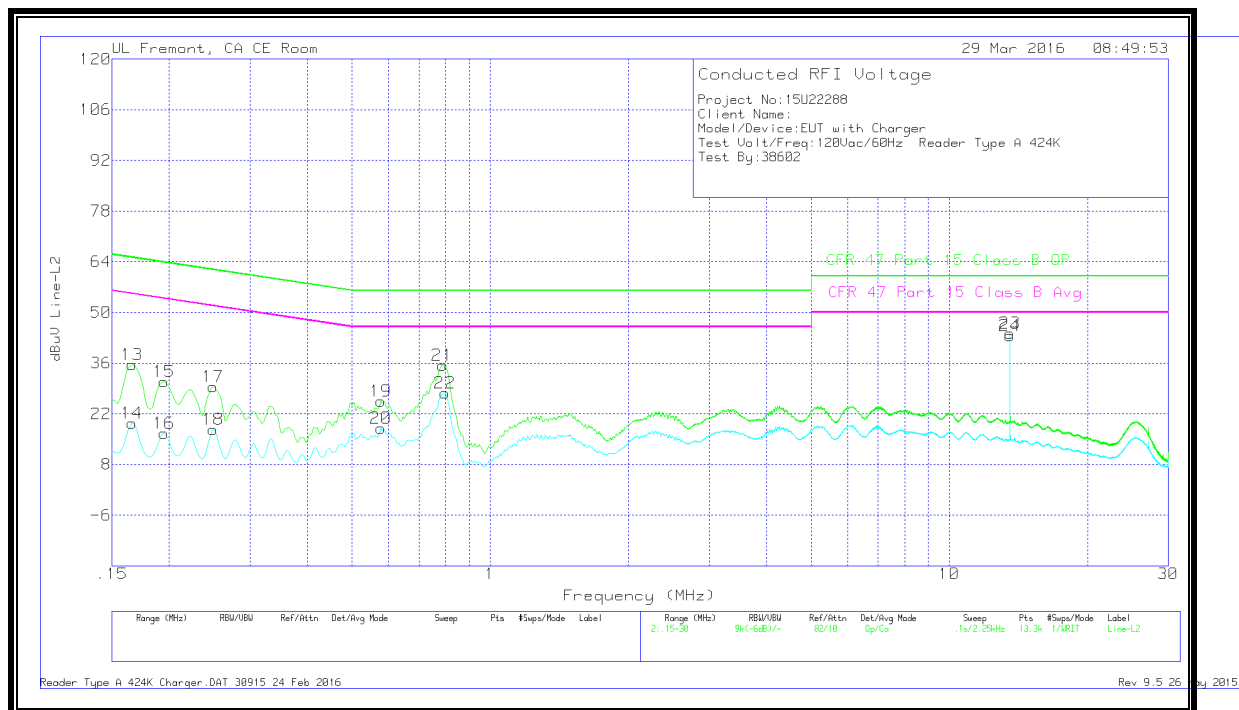
Reader Type A 424K Charger.DAT 30915 24 Feb 2016

Rev 9.5 26 May 2015

LINE 1 RESULTS



LINE 2 RESULTS



10.4.5. NORMAL OPERATION, 212 KBPS

WORST EMISSIONS

Trace Markers

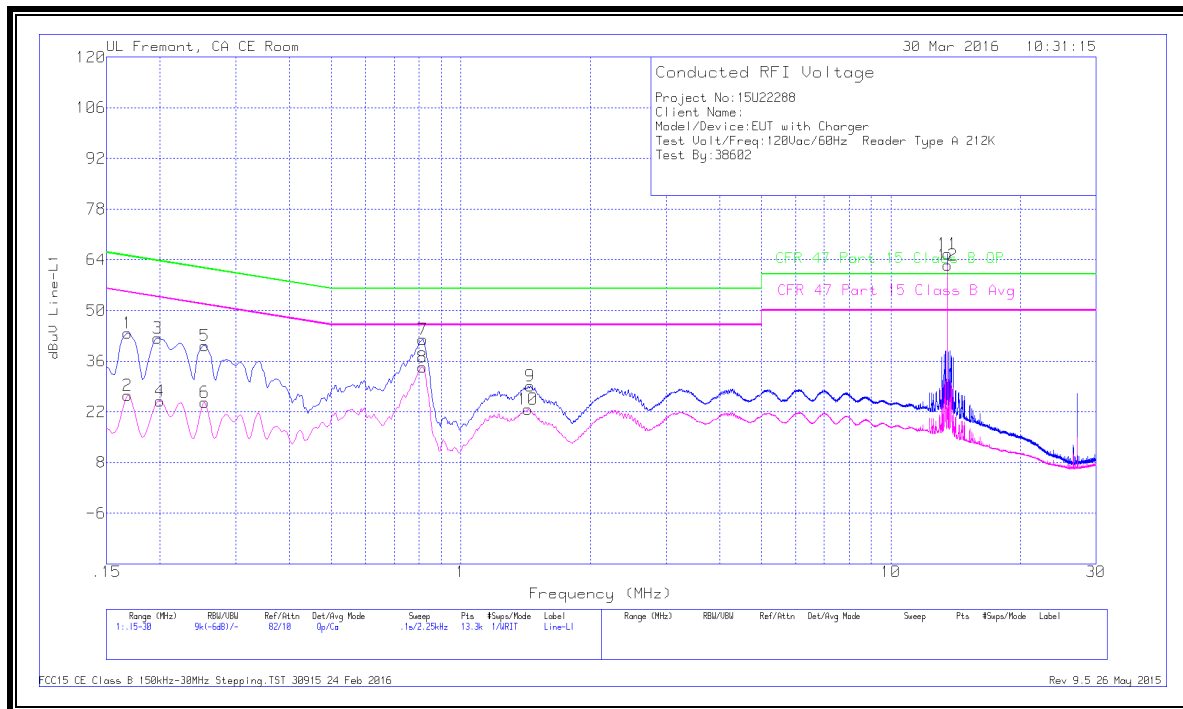
Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1	LC Cables 1&3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
1	.168	32.38	Qp	1.2	0	10.1	43.68	65.06	-21.38	-	-
2	.168	15.22	Ca	1.2	0	10.1	26.52	-	-	55.06	-28.54
3	.19725	31.29	Qp	1	0	10.1	42.39	63.73	-21.34	-	-
4	.1995	13.99	Ca	.9	0	10.1	24.99	-	-	53.63	-28.64
5	.2535	29.42	Qp	.7	0	10.1	40.22	61.64	-21.42	-	-
6	.2535	13.88	Ca	.7	0	10.1	24.68	-	-	51.64	-26.96
7	.816	31.66	Qp	.3	0	10.1	42.06	56	-13.94	-	-
8	.81375	23.99	Ca	.3	0	10.1	34.39	-	-	46	-11.61
9	1.4505	18.67	Qp	.2	.1	10.1	29.07	56	-26.93	-	-
10	1.4325	12.32	Ca	.2	.1	10.1	22.72	-	-	46	-23.28
11	13.56	55.05	Qp	.2	.2	10.2	65.65	60	5.65	-	-
12	13.56	51.95	Ca	.2	.2	10.2	62.55	-	-	50	12.55

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)
13	.168	33.15	Qp	1.3	0	10.1	44.55	65.06	-20.51	-	-
14	.168	13.62	Ca	1.3	0	10.1	25.02	-	-	55.06	-30.04
15	.19725	29.83	Qp	1	0	10.1	40.93	63.73	-22.8	-	-
16	.1995	10.11	Ca	1	0	10.1	21.21	-	-	53.63	-32.42
17	.2535	29.96	Qp	.7	0	10.1	40.76	61.64	-20.88	-	-
18	.2535	10.88	Ca	.7	0	10.1	21.68	-	-	51.64	-29.96
19	.81375	32.02	Qp	.3	0	10.1	42.42	56	-13.58	-	-
20	.81375	18.31	Ca	.3	0	10.1	28.71	-	-	46	-17.29
21	1.43025	16.84	Qp	.2	.1	10.1	27.24	56	-28.76	-	-
22	1.43475	6.36	Ca	.2	.1	10.1	16.76	-	-	46	-29.24
23	13.56	54.75	Qp	.2	.2	10.2	65.35	60	5.35	-	-
24	13.56	51.37	Ca	.2	.2	10.2	61.97	-	-	50	11.97

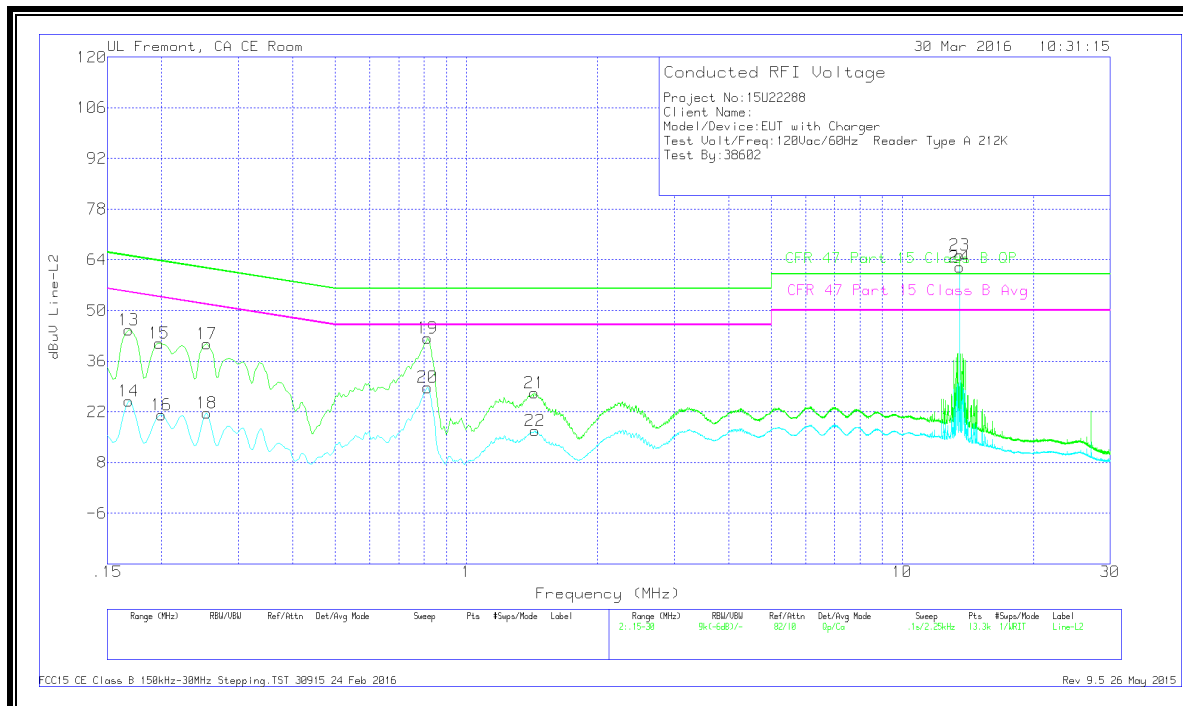
Qp - Quasi-Peak detector
Ca - CISPR average detection

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



10.4.6. 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	23.45	Qp	1.2	0	10.1	34.75	65.17	-30.42	-	-
2	.16575	6.51	Ca	1.2	0	10.1	17.81	-	-	55.17	-37.36
3	.79575	25.19	Qp	.3	0	10.1	35.59	56	-20.41	-	-
4	.798	14.76	Ca	.3	0	10.1	25.16	-	-	46	-20.84
5	13.56	39	Qp	.2	.2	10.2	49.6	60	-10.4	-	-
6	13.56	36.33	Ca	.2	.2	10.2	46.93	-	-	50	-3.07
13	.195	21.09	Qp	1	0	10.1	32.19	63.82	-31.63	-	-
14	.195	4.47	Ca	1	0	10.1	15.57	-	-	53.82	-38.25
15	.249	20.02	Qp	.7	0	10.1	30.82	61.79	-30.97	-	-
16	.249	3.3	Ca	.7	0	10.1	14.1	-	-	51.79	-37.69
17	.5865	16.25	Qp	.3	0	10.1	26.65	56	-29.35	-	-
18	.5865	4.76	Ca	.3	0	10.1	15.16	-	-	46	-30.84

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)
7	.16575	23.81	Qp	1.3	0	10.1	35.21	65.17	-29.96	-	-
8	.16575	7.8	Ca	1.3	0	10.1	19.2	-	-	55.17	-35.97
9	.78675	24.91	Qp	.3	0	10.1	35.31	56	-20.69	-	-
10	.798	17.11	Ca	.3	0	10.1	27.51	-	-	46	-18.49
11	13.56	35.31	Qp	.2	.2	10.2	45.91	60	-14.09	-	-
12	13.56	34.58	Ca	.2	.2	10.2	45.18	-	-	50	-4.82
19	.19275	19.14	Qp	1.1	0	10.1	30.34	63.92	-33.58	-	-
20	.195	5.14	Ca	1	0	10.1	16.24	-	-	53.82	-37.58
21	.249	18.71	Qp	.7	0	10.1	29.51	61.79	-32.28	-	-
22	.249	6.72	Ca	.7	0	10.1	17.52	-	-	51.79	-34.27
23	.5775	15.24	Qp	.3	0	10.1	25.64	56	-30.36	-	-
24	.5775	7.49	Ca	.3	0	10.1	17.89	-	-	46	-28.11

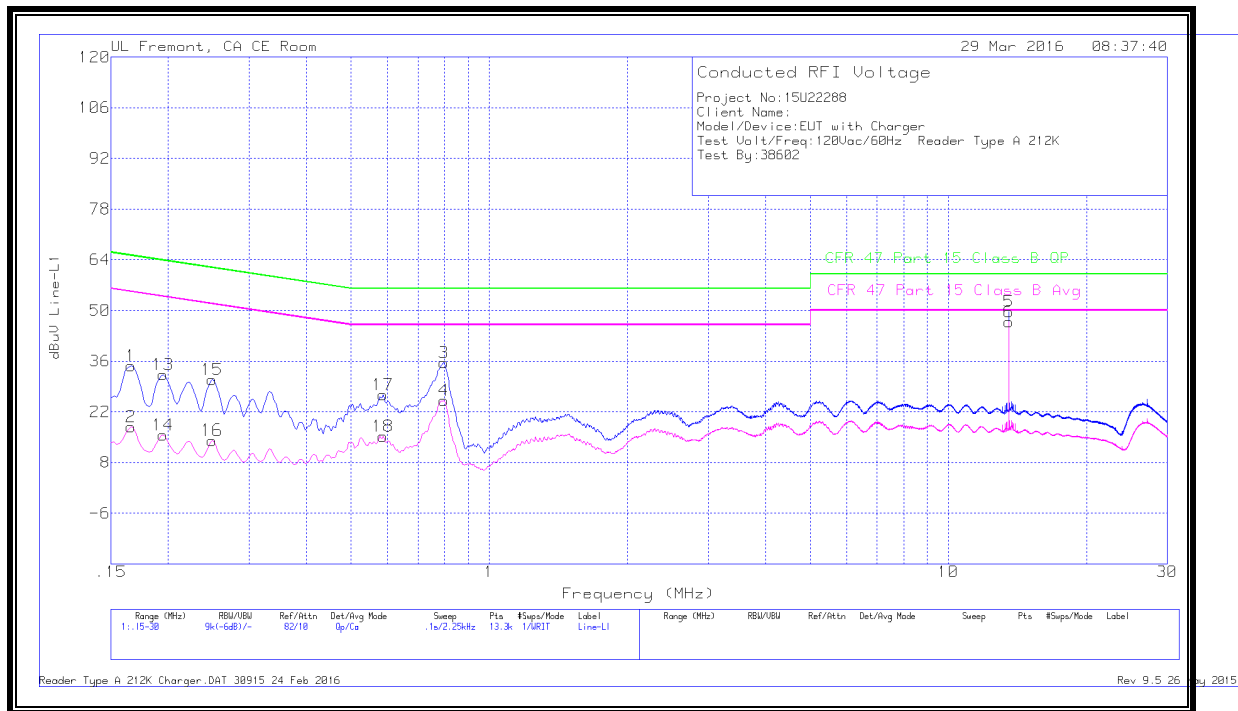
Qp - Quasi-Peak detector

Ca - CISPR average detection

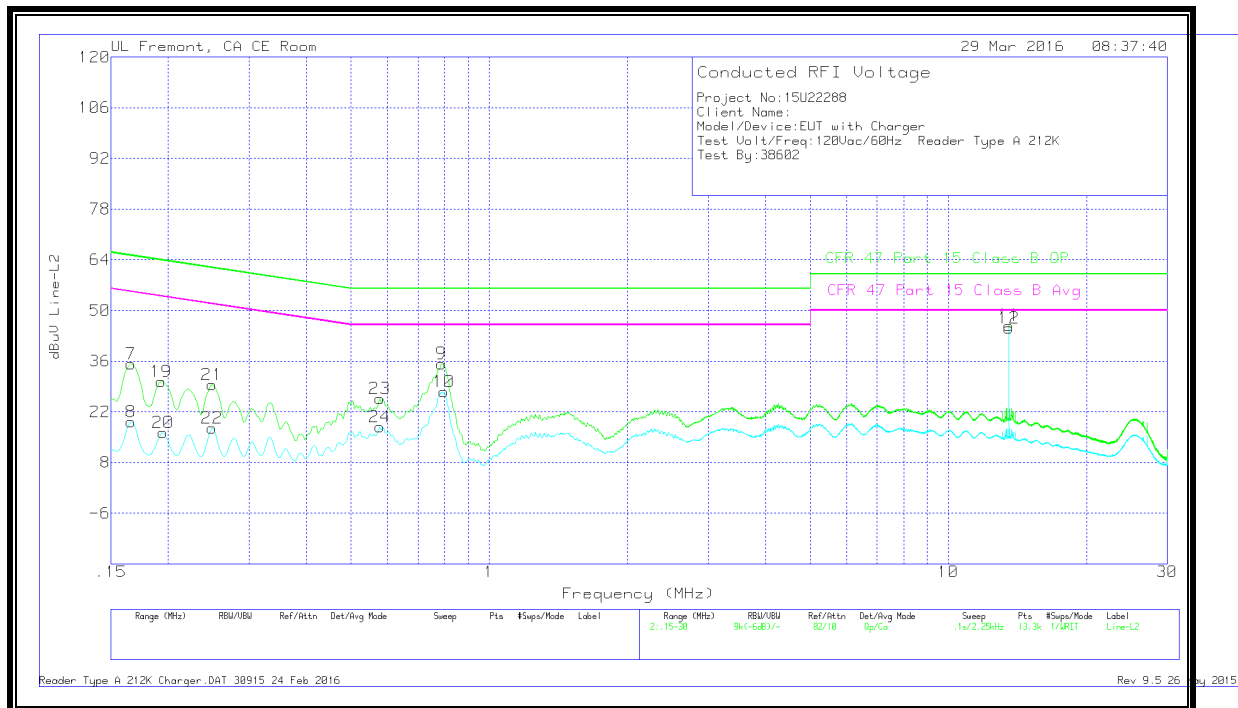
Reader Type A 212K Charger.DAT 30915 24 Feb 2016

Rev 9.5 26 May 2015

LINE 1 RESULTS



LINE 2 RESULTS



10.4.7. 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	.168	32.28	Qp	1.2	0	10.1	43.58	65.06	-21.48	-	-
2	.168	14.96	Ca	1.2	0	10.1	26.26	-	-	55.06	-28.8
3	.19725	31.37	Qp	1	0	10.1	42.47	63.73	-21.26	-	-
4	.1995	14.03	Ca	.9	0	10.1	25.03	-	-	53.63	-28.6
5	.2535	29.29	Qp	.7	0	10.1	40.09	61.64	-21.55	-	-
6	.2535	13.63	Ca	.7	0	10.1	24.43	-	-	51.64	-27.21
7	.8115	31.34	Qp	.3	0	10.1	41.74	56	-14.26	-	-
8	.81375	24	Ca	.3	0	10.1	34.4	-	-	46	-11.6
9	1.43475	18.63	Qp	.2	.1	10.1	29.03	56	-26.97	-	-
10	1.4325	12.39	Ca	.2	.1	10.1	22.79	-	-	46	-23.21
11	13.56	55.44	Qp	.2	.2	10.2	66.04	60	6.04	-	-
12	13.56	52.19	Ca	.2	.2	10.2	62.79	-	-	50	12.79

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)
13	.168	33.08	Qp	1.3	0	10.1	44.48	65.06	-20.58	-	-
14	.168	13.55	Ca	1.3	0	10.1	24.95	-	-	55.06	-30.11
15	.19725	30.19	Qp	1	0	10.1	41.29	63.73	-22.44	-	-
16	.19838	10.19	Ca	1	0	10.1	21.29	-	-	53.68	-32.39
17	.2535	29.82	Qp	.7	0	10.1	40.62	61.64	-21.02	-	-
18	.2535	10.75	Ca	.7	0	10.1	21.55	-	-	51.64	-30.09
19	.81037	31.48	Qp	.3	0	10.1	41.88	56	-14.12	-	-
20	.81375	18.06	Ca	.3	0	10.1	28.46	-	-	46	-17.54
21	1.4055	16.59	Qp	.2	0	10.1	26.89	56	-29.11	-	-
22	1.4325	6.35	Ca	.2	.1	10.1	16.75	-	-	46	-29.25
23	13.56	55.05	Qp	.2	.2	10.2	65.65	60	5.65	-	-
24	13.56	51.57	Ca	.2	.2	10.2	62.17	-	-	50	12.17

Qp - Quasi-Peak detector

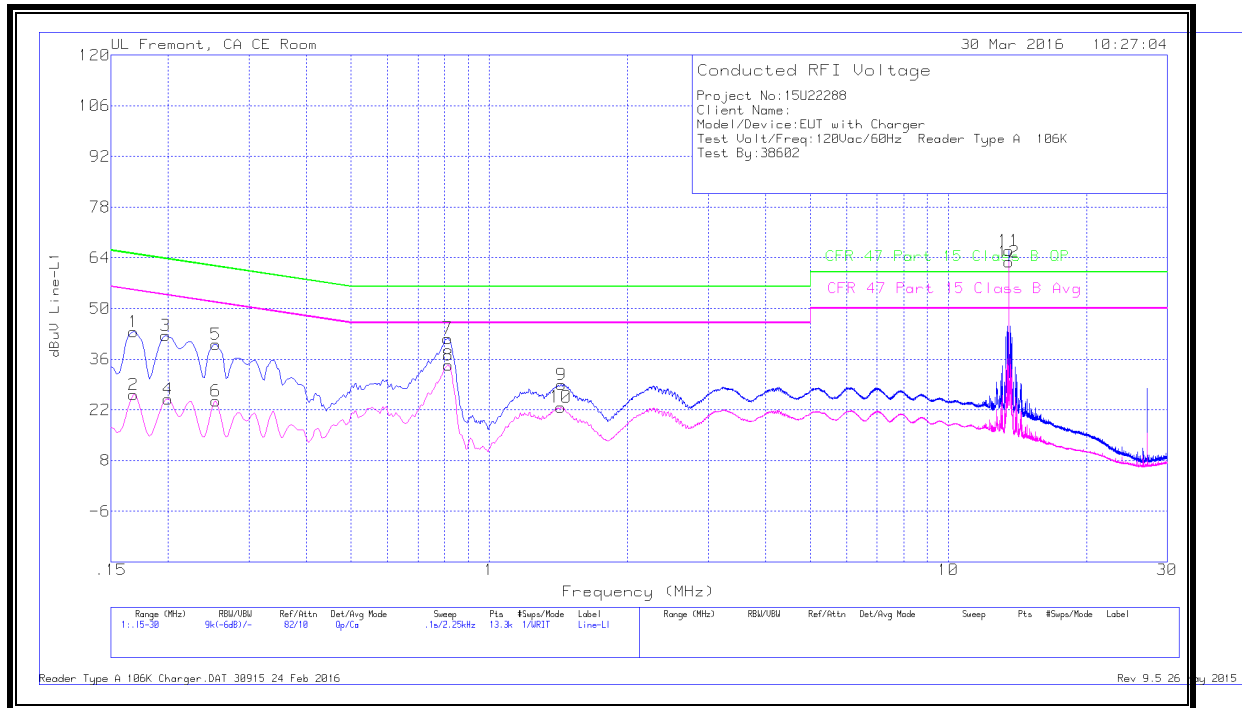
Ca - CISPR average detection

Reader Type A 106K Charger.DAT 30915 24 Feb 2016

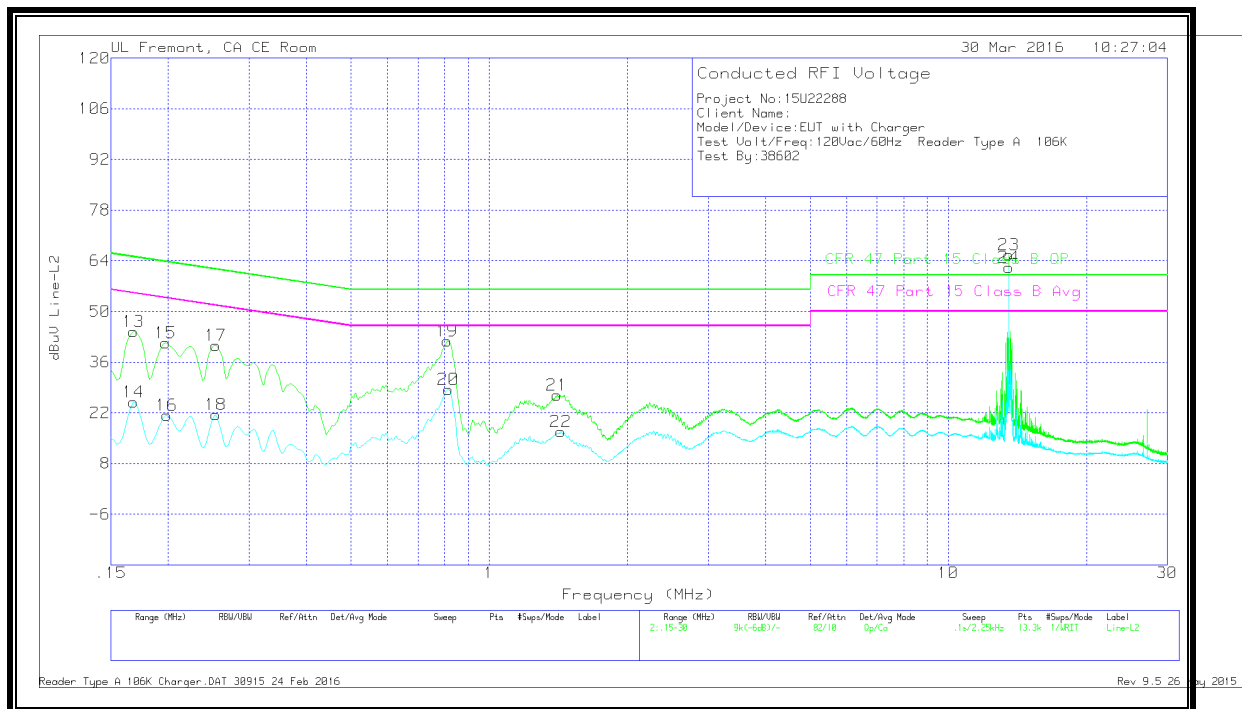
Rev 9.5 26 May 2015

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



10.4.8. 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	23.53	Qp	1.2	0	10.1	34.83	65.17	-30.34	-	-
2	.16575	6.52	Ca	1.2	0	10.1	17.82	-	-	55.17	-37.35
3	.798	25.31	Qp	.3	0	10.1	35.71	56	-20.29	-	-
4	.798	14.86	Ca	.3	0	10.1	25.26	-	-	46	-20.74
5	13.56	36.89	Qp	.2	.2	10.2	47.49	60	-12.51	-	-
6	13.56	34.1	Ca	.2	.2	10.2	44.7	-	-	50	-5.3
13	.195	21.2	Qp	1	0	10.1	32.3	63.82	-31.52	-	-
14	.195	4.55	Ca	1	0	10.1	15.65	-	-	53.82	-38.17
15	.249	19.8	Qp	.7	0	10.1	30.6	61.79	-31.19	-	-
16	.249	3.2	Ca	.7	0	10.1	14	-	-	51.79	-37.79
17	.58875	15.91	Qp	.3	0	10.1	26.31	56	-29.69	-	-
18	.5775	4.82	Ca	.3	0	10.1	15.22	-	-	46	-30.78

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)
7	.16575	24.06	Qp	1.3	0	10.1	35.46	65.17	-29.71	-	-
8	.16575	7.92	Ca	1.3	0	10.1	19.32	-	-	55.17	-35.85
9	.7845	25.57	Qp	.3	0	10.1	35.97	56	-20.03	-	-
10	.798	17.21	Ca	.3	0	10.1	27.61	-	-	46	-18.39
11	13.56	33.4	Qp	.2	.2	10.2	44	60	-16	-	-
12	13.56	32.47	Ca	.2	.2	10.2	43.07	-	-	50	-6.93
19	.19275	19.5	Qp	1.1	0	10.1	30.7	63.92	-33.22	-	-
20	.195	5.43	Ca	1	0	10.1	16.53	-	-	53.82	-37.29
21	.249	18.66	Qp	.7	0	10.1	29.46	61.79	-32.33	-	-
22	.249	6.81	Ca	.7	0	10.1	17.61	-	-	51.79	-34.18
23	.5775	15.62	Qp	.3	0	10.1	26.02	56	-29.98	-	-
24	.5775	7.62	Ca	.3	0	10.1	18.02	-	-	46	-27.98

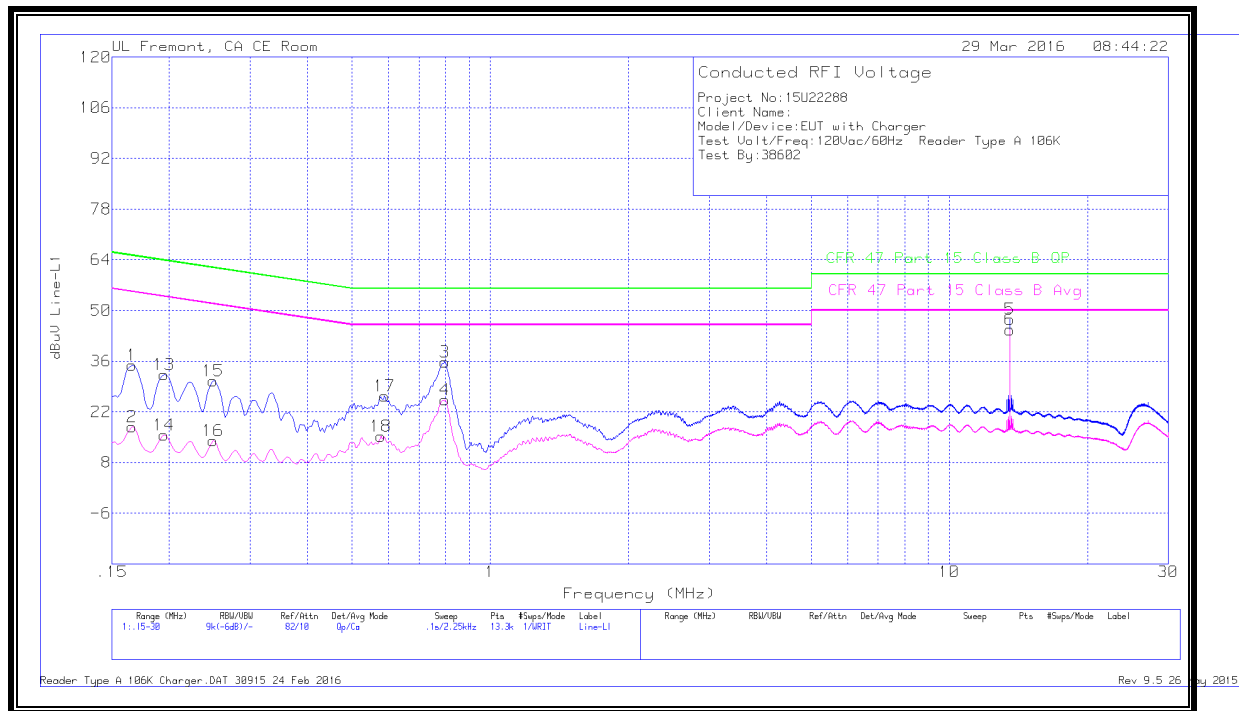
Qp - Quasi-Peak detector

Ca - CISPR average detection

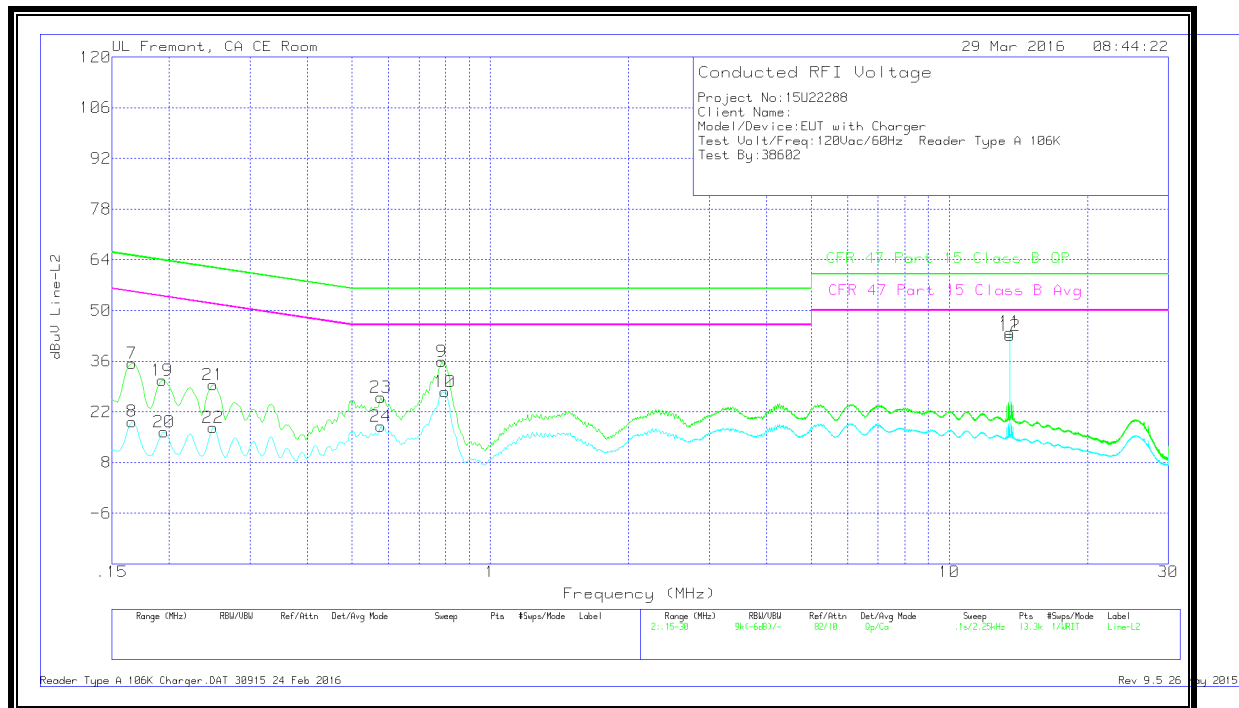
Reader Type A 106K Charger.DAT 30915 24 Feb 2016

Rev 9.5 26 May 2015

LINE 1 RESULTS



LINE 2 RESULTS



10.5. READER MODE TYPE B

10.5.1. 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	32.05	Qp	1.2	0	10.1	43.35	65.06	-21.71	-	-
2	.168	14.08	Ca	1.2	0	10.1	25.38	-	-	55.06	-29.68
3	.1995	30.82	Qp	.9	0	10.1	41.82	63.63	-21.81	-	-
4	.1995	13.04	Ca	.9	0	10.1	24.04	-	-	53.63	-29.59
5	.25125	29.04	Qp	.7	0	10.1	39.84	61.72	-21.88	-	-
6	.2535	13.03	Ca	.7	0	10.1	23.83	-	-	51.64	-27.81
7	.8115	31.36	Qp	.3	0	10.1	41.76	56	-14.24	-	-
8	.8115	24.12	Ca	.3	0	10.1	34.52	-	-	46	-11.48
9	1.43138	18.88	Qp	.2	.1	10.1	29.28	56	-26.72	-	-
10	1.4325	12.5	Ca	.2	.1	10.1	22.9	-	-	46	-23.1
11	13.56	55.07	Qp	.2	.2	10.2	65.67	60	5.67	-	-
12	13.56	51.87	Ca	.2	.2	10.2	62.47	-	-	50	12.47

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	.168	32.96	Qp	1.3	0	10.1	44.36	65.06	-20.7	-	-
14	.168	13.46	Ca	1.3	0	10.1	24.86	-	-	55.06	-30.2
15	.2535	29.77	Qp	.7	0	10.1	40.57	61.64	-21.07	-	-
16	.2535	10.75	Ca	.7	0	10.1	21.55	-	-	51.64	-30.09
17	.3345	24.84	Qp	.5	0	10.1	35.44	59.34	-23.9	-	-
18	.33675	6.74	Ca	.5	0	10.1	17.34	-	-	49.28	-31.94
19	.816	31.78	Qp	.3	0	10.1	42.18	56	-13.82	-	-
20	.816	18.46	Ca	.3	0	10.1	28.86	-	-	46	-17.14
21	1.44825	16.74	Qp	.2	.1	10.1	27.14	56	-28.86	-	-
22	1.4325	6.39	Ca	.2	.1	10.1	16.79	-	-	46	-29.21
23	13.56	54.72	Qp	.2	.2	10.2	65.32	60	5.32	-	-
24	13.56	51.24	Ca	.2	.2	10.2	61.84	-	-	50	11.84

Qp - Quasi-Peak detector

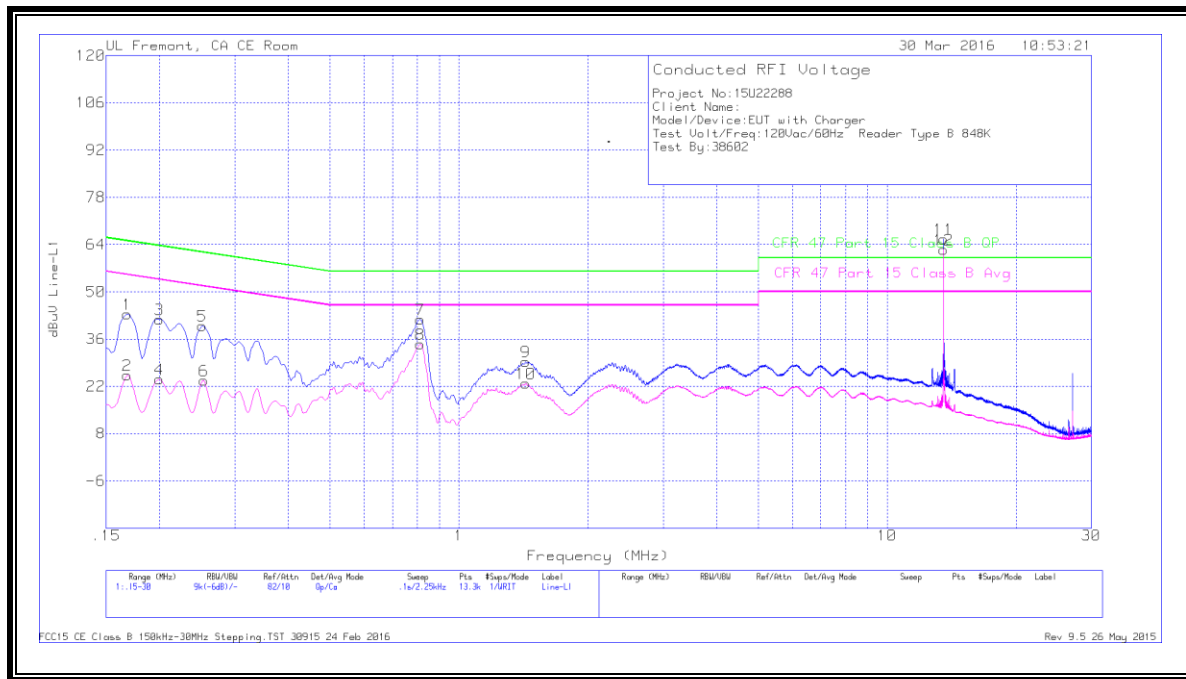
Ca - CISPR average detection

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

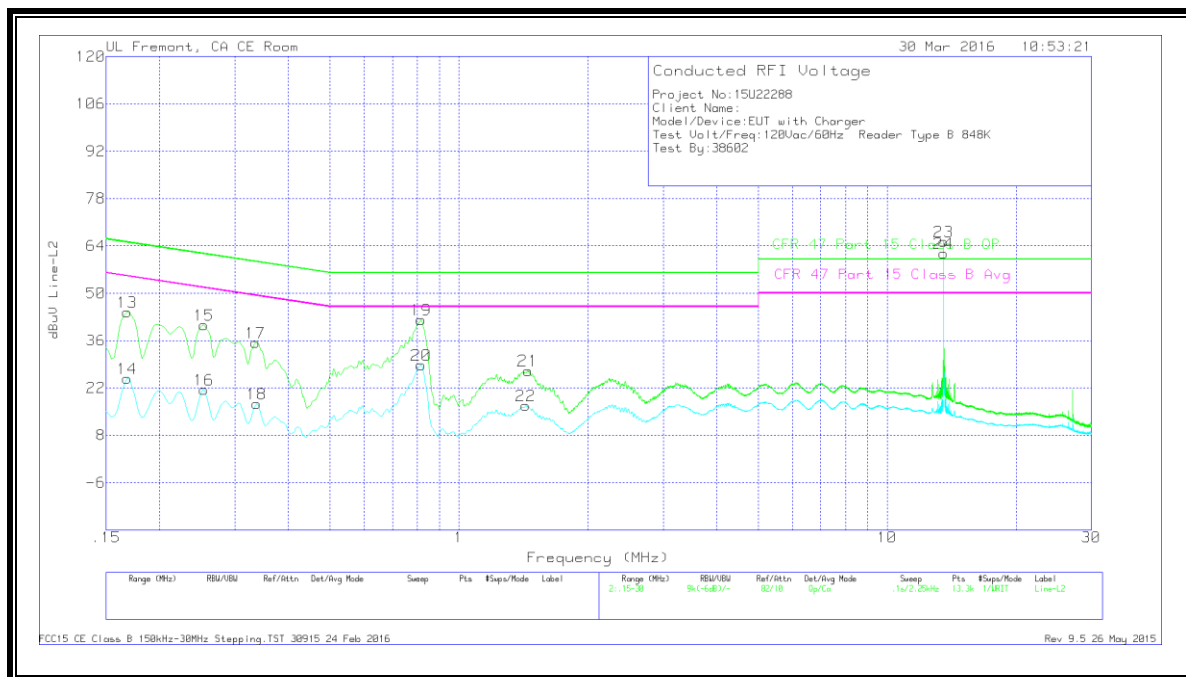
Rev 9.5 26 May 2015

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



10.5.2. 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	.16575	23.78	Qp	1.2	0	10.1	35.08	65.17	-30.09	-	-
2	.16575	6.77	Ca	1.2	0	10.1	18.07	-	-	55.17	-37.1
3	.195	21.19	Qp	1	0	10.1	32.29	63.82	-31.53	-	-
4	.195	4.62	Ca	1	0	10.1	15.72	-	-	53.82	-38.1
5	.25125	19.95	Qp	.7	0	10.1	30.75	61.72	-30.97	-	-
6	.249	3.2	Ca	.7	0	10.1	14	-	-	51.79	-37.79
7	.58875	16.53	Qp	.3	0	10.1	26.93	56	-29.07	-	-
8	.58875	4.64	Ca	.3	0	10.1	15.04	-	-	46	-30.96
9	.79575	24.96	Qp	.3	0	10.1	35.36	56	-20.64	-	-
10	.798	14.81	Ca	.3	0	10.1	25.21	-	-	46	-20.79
11	13.56	37.85	Qp	.2	.2	10.2	48.45	60	-11.55	-	-
12	13.56	35.19	Ca	.2	.2	10.2	45.79	-	-	50	-4.21

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	24.23	Qp	1.3	0	10.1	35.63	65.17	-29.54	-	-
14	.16575	8.09	Ca	1.3	0	10.1	19.49	-	-	55.17	-35.68
15	.19275	19.55	Qp	1.1	0	10.1	30.75	63.92	-33.17	-	-
16	.195	5.41	Ca	1	0	10.1	16.51	-	-	53.82	-37.31
17	.249	18.79	Qp	.7	0	10.1	29.59	61.79	-32.2	-	-
18	.249	6.82	Ca	.7	0	10.1	17.62	-	-	51.79	-34.17
19	.5775	15.54	Qp	.3	0	10.1	25.94	56	-30.06	-	-
20	.5775	7.65	Ca	.3	0	10.1	18.05	-	-	46	-27.95
21	.798	25.06	Qp	.3	0	10.1	35.46	56	-20.54	-	-
22	.80025	17.33	Ca	.3	0	10.1	27.73	-	-	46	-18.27
23	13.56	33.98	Qp	.2	.2	10.2	44.58	60	-15.42	-	-
24	13.56	33.3	Ca	.2	.2	10.2	43.9	-	-	50	-6.1

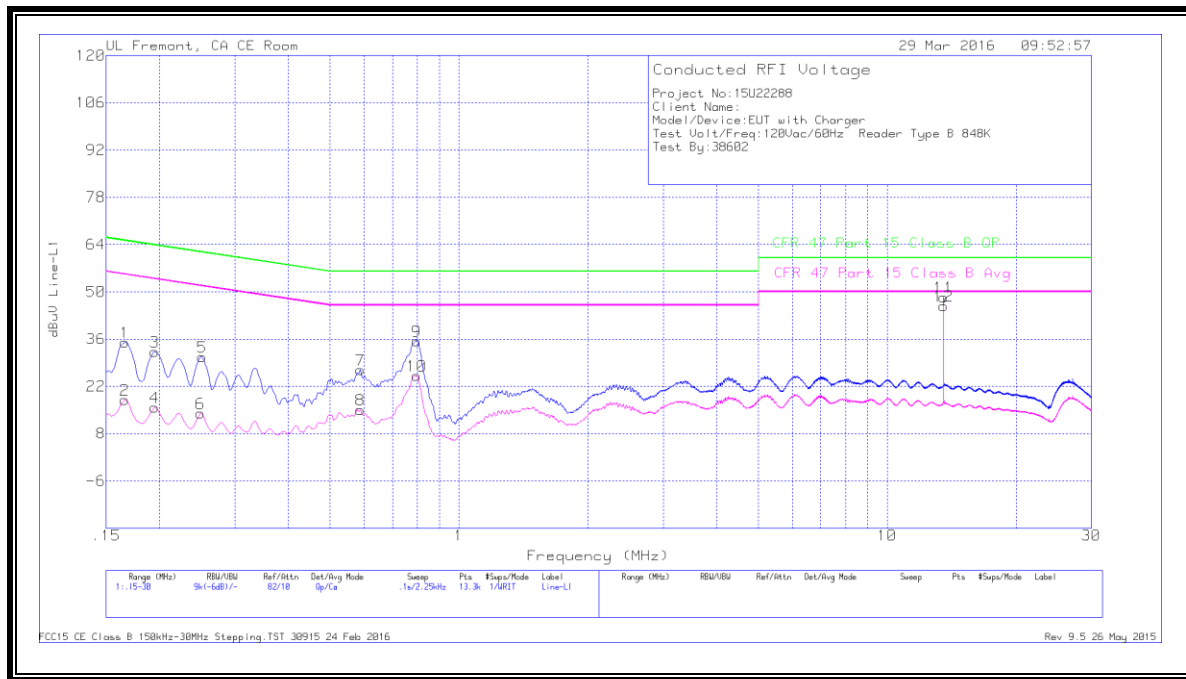
Qp - Quasi-Peak detector

Ca - CISPR average detection

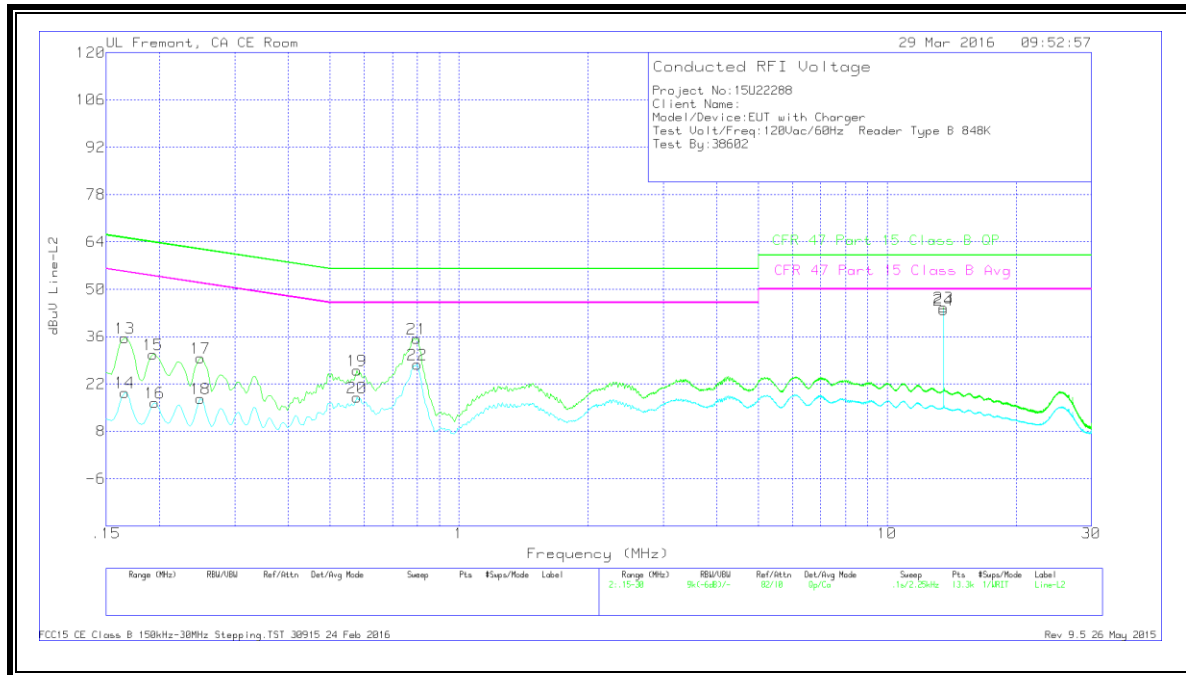
FCC15 CE Class B 150kHz-30MHz Stepping.TST 30915 24 Feb 2016

Rev 9.5 26 May 2015

LINE 1 RESULTS



LINE 2 RESULTS



10.5.3. 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	32.22	Qp	1.2	0	10.1	43.52	65.06	-21.54	-	-
2	.168	14.69	Ca	1.2	0	10.1	25.99	-	-	55.06	-29.07
3	.19725	31.09	Qp	1	0	10.1	42.19	63.73	-21.54	-	-
4	.1995	13.53	Ca	.9	0	10.1	24.53	-	-	53.63	-29.1
5	.25125	29.23	Qp	.7	0	10.1	40.03	61.72	-21.69	-	-
6	.2535	13.47	Ca	.7	0	10.1	24.27	-	-	51.64	-27.37
7	.816	31.37	Qp	.3	0	10.1	41.77	56	-14.23	-	-
8	.81375	23.99	Ca	.3	0	10.1	34.39	-	-	46	-11.61
9	1.44825	18.85	Qp	.2	.1	10.1	29.25	56	-26.75	-	-
10	1.4325	12.37	Ca	.2	.1	10.1	22.77	-	-	46	-23.23
11	13.56	55.13	Qp	.2	.2	10.2	65.73	60	5.73	-	-
12	13.56	51.85	Ca	.2	.2	10.2	62.45	-	-	50	12.45

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)
13	.168	33.07	Qp	1.3	0	10.1	44.47	65.06	-20.59	-	-
14	.168	13.78	Ca	1.3	0	10.1	25.18	-	-	55.06	-29.88
15	.19725	29.82	Qp	1	0	10.1	40.92	63.73	-22.81	-	-
16	.1995	10.32	Ca	1	0	10.1	21.42	-	-	53.63	-32.21
17	.2535	29.88	Qp	.7	0	10.1	40.68	61.64	-20.96	-	-
18	.2535	10.96	Ca	.7	0	10.1	21.76	-	-	51.64	-29.88
19	.81825	31.71	Qp	.3	0	10.1	42.11	56	-13.89	-	-
20	.81375	18.24	Ca	.3	0	10.1	28.64	-	-	46	-17.36
21	1.4325	16.84	Qp	.2	.1	10.1	27.24	56	-28.76	-	-
22	1.4325	6.52	Ca	.2	.1	10.1	16.92	-	-	46	-29.08
23	13.56	54.73	Qp	.2	.2	10.2	65.33	60	5.33	-	-
24	13.56	51.27	Ca	.2	.2	10.2	61.87	-	-	50	11.87

Qp - Quasi-Peak detector

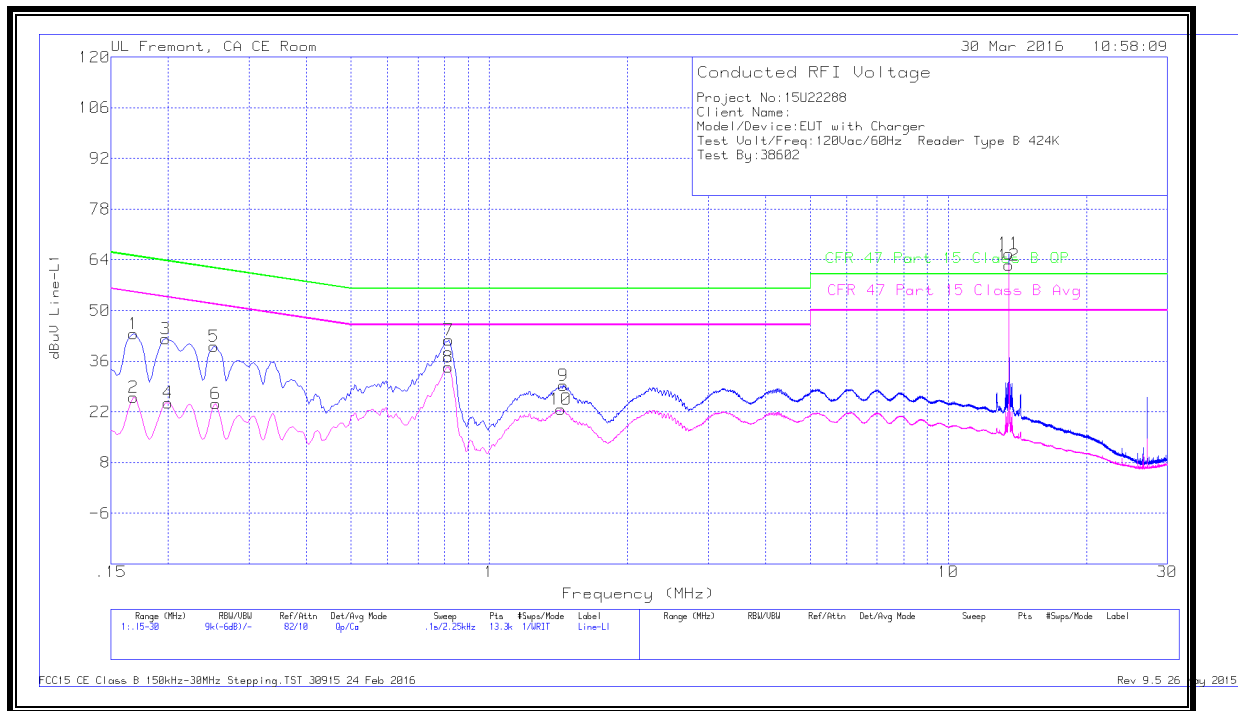
Ca - CISPR average detection

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

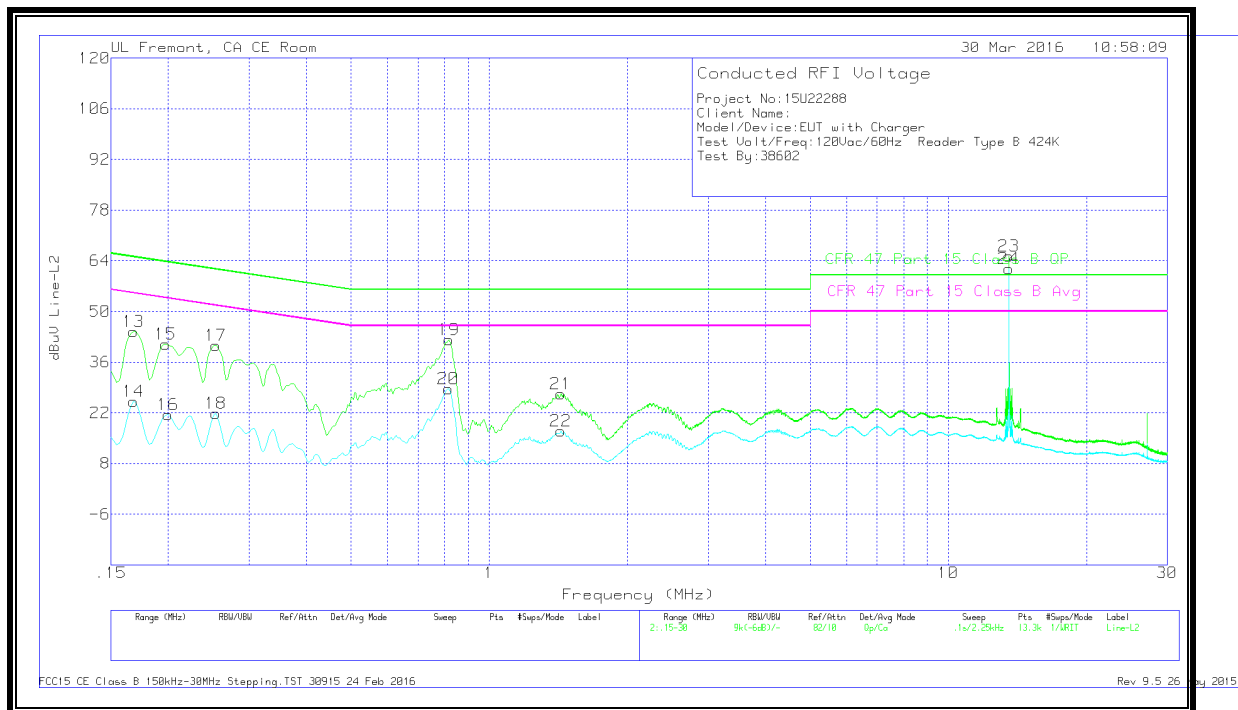
Rev 9.5 26 May 2015

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



10.5.4. 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	.16575	23.62	Qp	1.2	0	10.1	34.92	65.17	-30.25	-	-
2	.16575	6.75	Ca	1.2	0	10.1	18.05	-	-	55.17	-37.12
3	.195	21.19	Qp	1	0	10.1	32.29	63.82	-31.53	-	-
4	.195	4.66	Ca	1	0	10.1	15.76	-	-	53.82	-38.06
5	.249	19.88	Qp	.7	0	10.1	30.68	61.79	-31.11	-	-
6	.249	3.29	Ca	.7	0	10.1	14.09	-	-	51.79	-37.7
7	.3345	16.51	Qp	.5	0	10.1	27.11	59.34	-32.23	-	-
8	.33225	1.18	Ca	.5	0	10.1	11.78	-	-	49.39	-37.61
9	.789	25.13	Qp	.3	0	10.1	35.53	56	-20.47	-	-
10	.798	14.92	Ca	.3	0	10.1	25.32	-	-	46	-20.68
11	13.56	38.49	Qp	.2	.2	10.2	49.09	60	-10.91	-	-
12	13.56	35.75	Ca	.2	.2	10.2	46.35	-	-	50	-3.65

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	23.98	Qp	1.3	0	10.1	35.38	65.17	-29.79	-	-
14	.16575	7.74	Ca	1.3	0	10.1	19.14	-	-	55.17	-36.03
15	.195	19.41	Qp	1	0	10.1	30.51	63.82	-33.31	-	-
16	.195	5.16	Ca	1	0	10.1	16.26	-	-	53.82	-37.56
17	.249	18.56	Qp	.7	0	10.1	29.36	61.79	-32.43	-	-
18	.249	6.69	Ca	.7	0	10.1	17.49	-	-	51.79	-34.3
19	.58875	15.24	Qp	.3	0	10.1	25.64	56	-30.36	-	-
20	.58762	7.33	Ca	.3	0	10.1	17.73	-	-	46	-28.27
21	.78675	25.01	Qp	.3	0	10.1	35.41	56	-20.59	-	-
22	.798	17.22	Ca	.3	0	10.1	27.62	-	-	46	-18.38
23	13.56	34.51	Qp	.2	.2	10.2	45.11	60	-14.89	-	-
24	13.56	33.78	Ca	.2	.2	10.2	44.38	-	-	50	-5.62

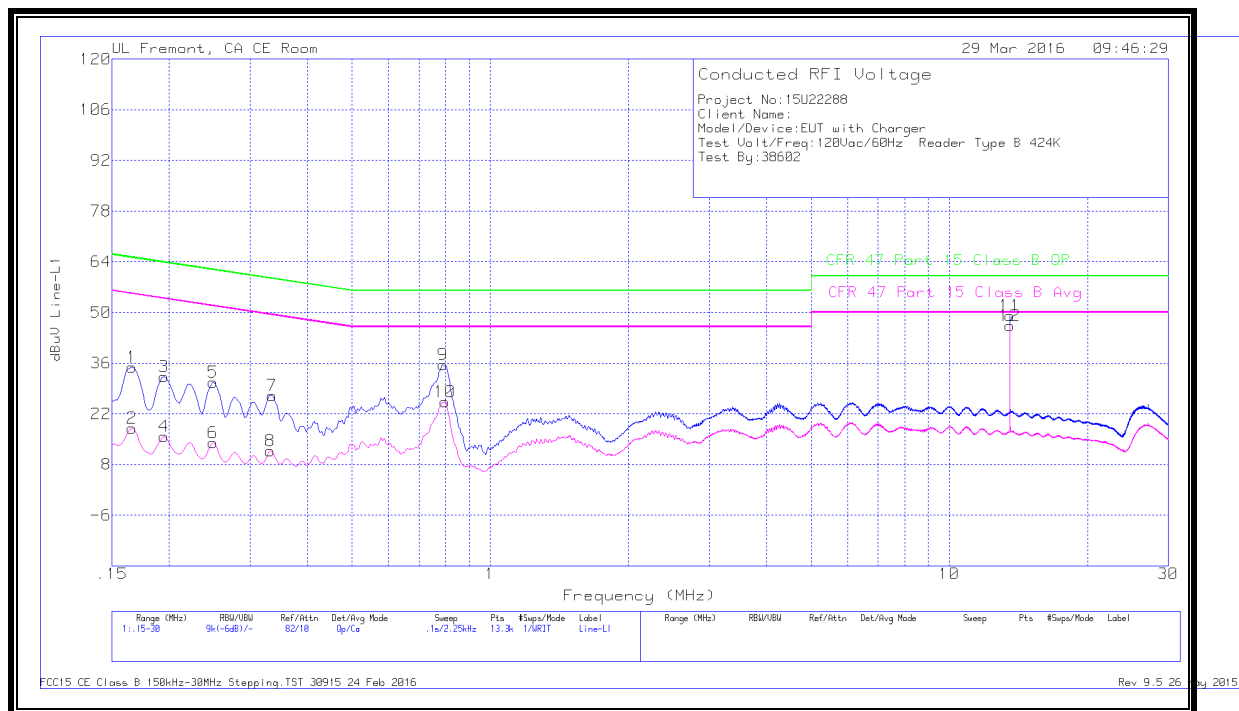
Qp - Quasi-Peak detector

Ca - CISPR average detection

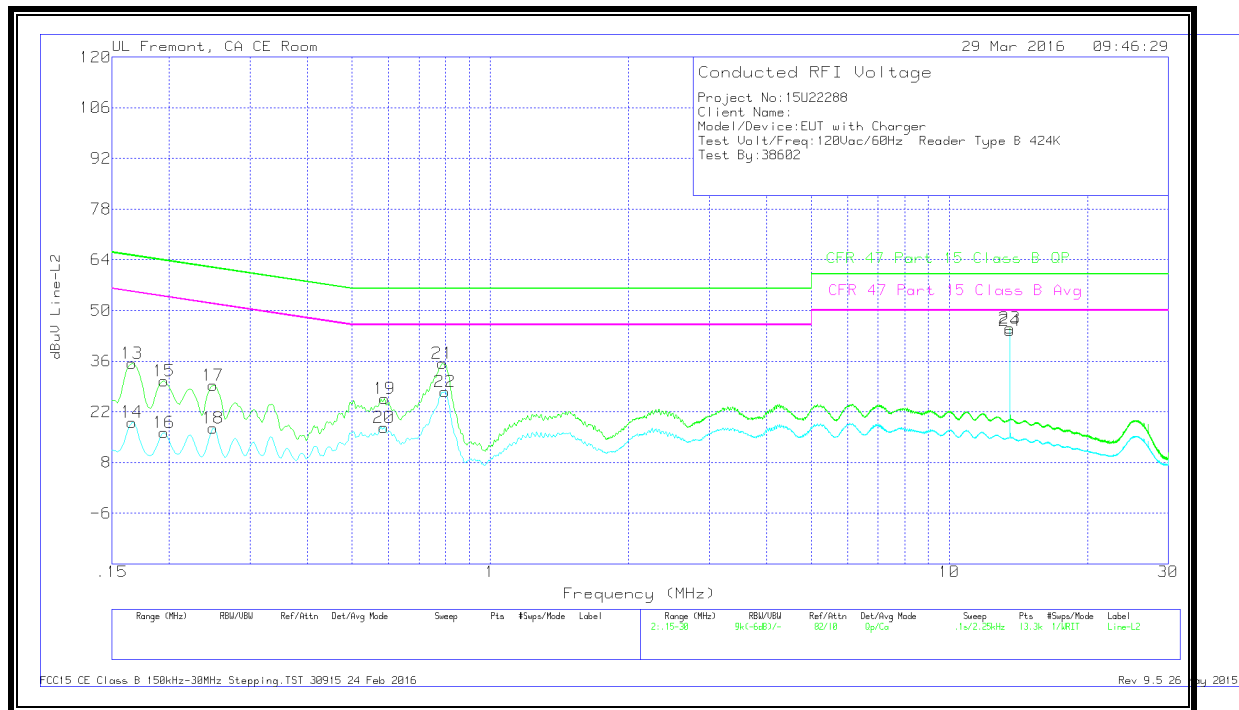
FCC15 CE Class B 150kHz-30MHz Stepping.TST 30915 24 Feb 2016

Rev 9.5 26 May 2015

LINE 1 RESULTS



LINE 2 RESULTS



10.5.5. 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	32.19	Qp	1.2	0	10.1	43.49	65.06	-21.57	-	-
2	.168	14.77	Ca	1.2	0	10.1	26.07	-	-	55.06	-28.99
3	.19725	30.9	Qp	1	0	10.1	42	63.73	-21.73	-	-
4	.1995	13.62	Ca	.9	0	10.1	24.62	-	-	53.63	-29.01
5	.25125	29.21	Qp	.7	0	10.1	40.01	61.72	-21.71	-	-
6	.2535	13.46	Ca	.7	0	10.1	24.26	-	-	51.64	-27.38
7	.80925	31.38	Qp	.3	0	10.1	41.78	56	-14.22	-	-
8	.8115	24.02	Ca	.3	0	10.1	34.42	-	-	46	-11.58
9	1.45725	19.04	Qp	.2	.1	10.1	29.44	56	-26.56	-	-
10	1.4325	12.52	Ca	.2	.1	10.1	22.92	-	-	46	-23.08
11	13.56	54.61	Qp	.2	.2	10.2	65.21	60	5.21	-	-
12	13.56	51.28	Ca	.2	.2	10.2	61.88	-	-	50	11.88

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	.168	33.24	Qp	1.3	0	10.1	44.64	65.06	-20.42	-	-
14	.168	14.36	Ca	1.3	0	10.1	25.76	-	-	55.06	-29.3
15	.19725	29.81	Qp	1	0	10.1	40.91	63.73	-22.82	-	-
16	.1995	10.62	Ca	1	0	10.1	21.72	-	-	53.63	-31.91
17	.2535	30.12	Qp	.7	0	10.1	40.92	61.64	-20.72	-	-
18	.2535	11.5	Ca	.7	0	10.1	22.3	-	-	51.64	-29.34
19	.81375	32.03	Qp	.3	0	10.1	42.43	56	-13.57	-	-
20	.81375	18.58	Ca	.3	0	10.1	28.98	-	-	46	-17.02
21	1.43025	16.91	Qp	.2	.1	10.1	27.31	56	-28.69	-	-
22	1.43475	6.58	Ca	.2	.1	10.1	16.98	-	-	46	-29.02
23	13.56	54.27	Qp	.2	.2	10.2	64.87	60	4.87	-	-
24	13.56	50.74	Ca	.2	.2	10.2	61.34	-	-	50	11.34

Qp - Quasi-Peak detector

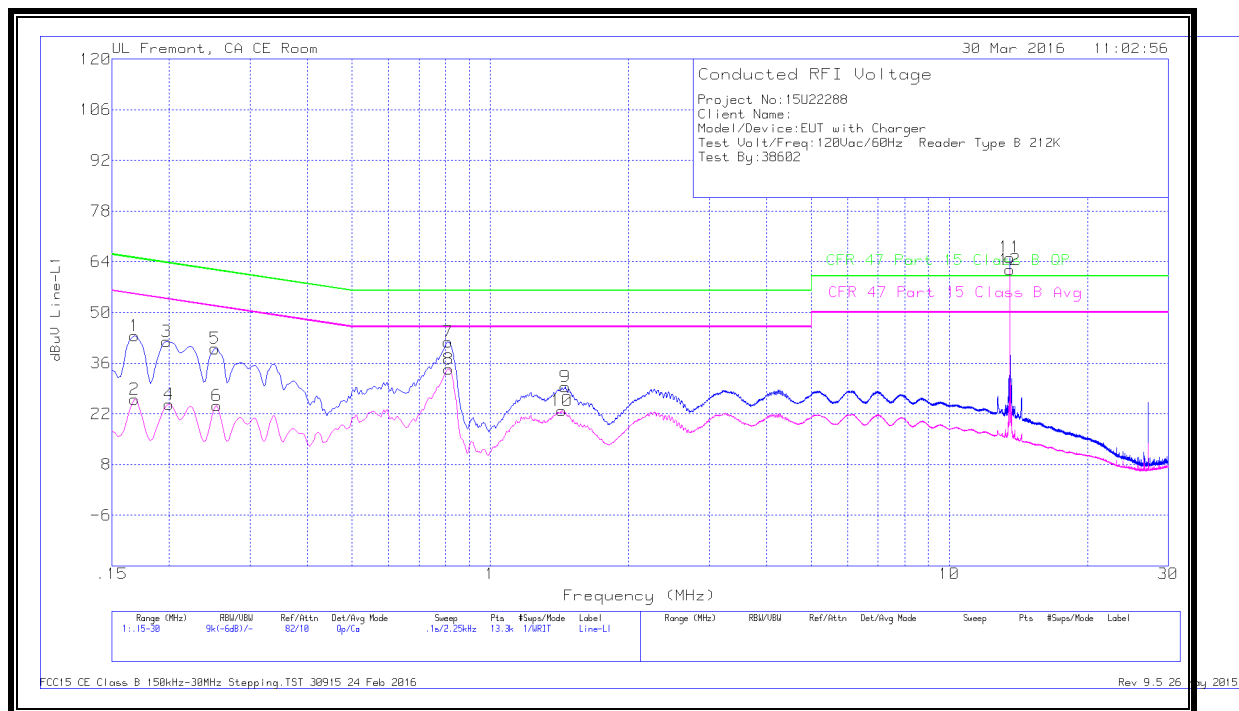
Ca - CISPR average detection

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

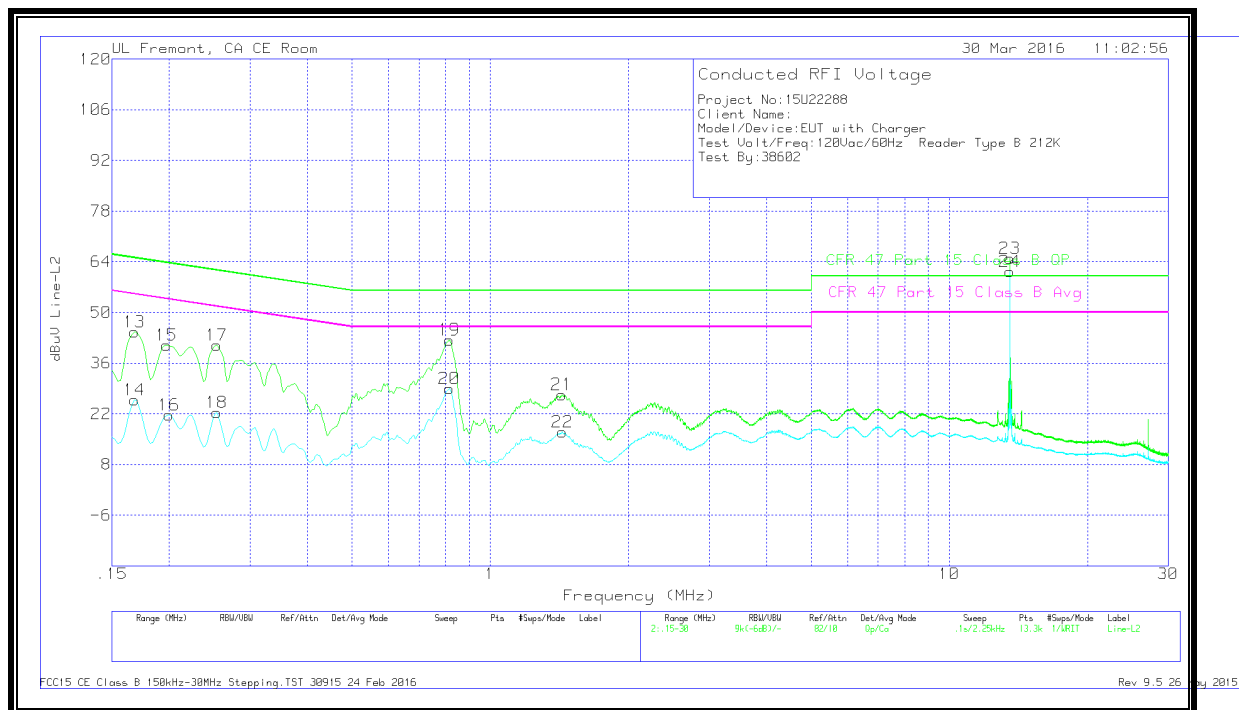
Rev 9.5 26 May 2015

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



10.5.6. 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	.16575	23.77	Qp	1.2	0	10.1	35.07	65.17	-30.1	-	-
2	.16575	6.45	Ca	1.2	0	10.1	17.75	-	-	55.17	-37.42
3	.195	21.18	Qp	1	0	10.1	32.28	63.82	-31.54	-	-
4	.195	4.48	Ca	1	0	10.1	15.58	-	-	53.82	-38.24
5	.249	19.93	Qp	.7	0	10.1	30.73	61.79	-31.06	-	-
6	.249	3.1	Ca	.7	0	10.1	13.9	-	-	51.79	-37.89
7	.80025	25.32	Qp	.3	0	10.1	35.72	56	-20.28	-	-
8	.798	14.93	Ca	.3	0	10.1	25.33	-	-	46	-20.67
9	13.56	40.16	Qp	.2	.2	10.2	50.76	60	-9.24	-	-
10	13.56	37.39	Ca	.2	.2	10.2	47.99	-	-	50	-2.01
11	26.13975	12.53	Qp	.3	.3	10.5	23.63	60	-36.37	-	-
12	26.46825	7.34	Ca	.3	.3	10.5	18.44	-	-	50	-31.56

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	24.06	Qp	1.3	0	10.1	35.46	65.17	-29.71	-	-
14	.16575	8.15	Ca	1.3	0	10.1	19.55	-	-	55.17	-35.62
15	.195	19.56	Qp	1	0	10.1	30.66	63.82	-33.16	-	-
16	.195	5.58	Ca	1	0	10.1	16.68	-	-	53.82	-37.14
17	.249	18.68	Qp	.7	0	10.1	29.48	61.79	-32.31	-	-
18	.249	7.08	Ca	.7	0	10.1	17.88	-	-	51.79	-33.91
19	.58875	15.96	Qp	.3	0	10.1	26.36	56	-29.64	-	-
20	.58875	7.7	Ca	.3	0	10.1	18.1	-	-	46	-27.9
21	.78675	25.15	Qp	.3	0	10.1	35.55	56	-20.45	-	-
22	.798	17.53	Ca	.3	0	10.1	27.93	-	-	46	-18.07
23	13.56	36.26	Qp	.2	.2	10.2	46.86	60	-13.14	-	-
24	13.56	35.49	Ca	.2	.2	10.2	46.09	-	-	50	-3.91

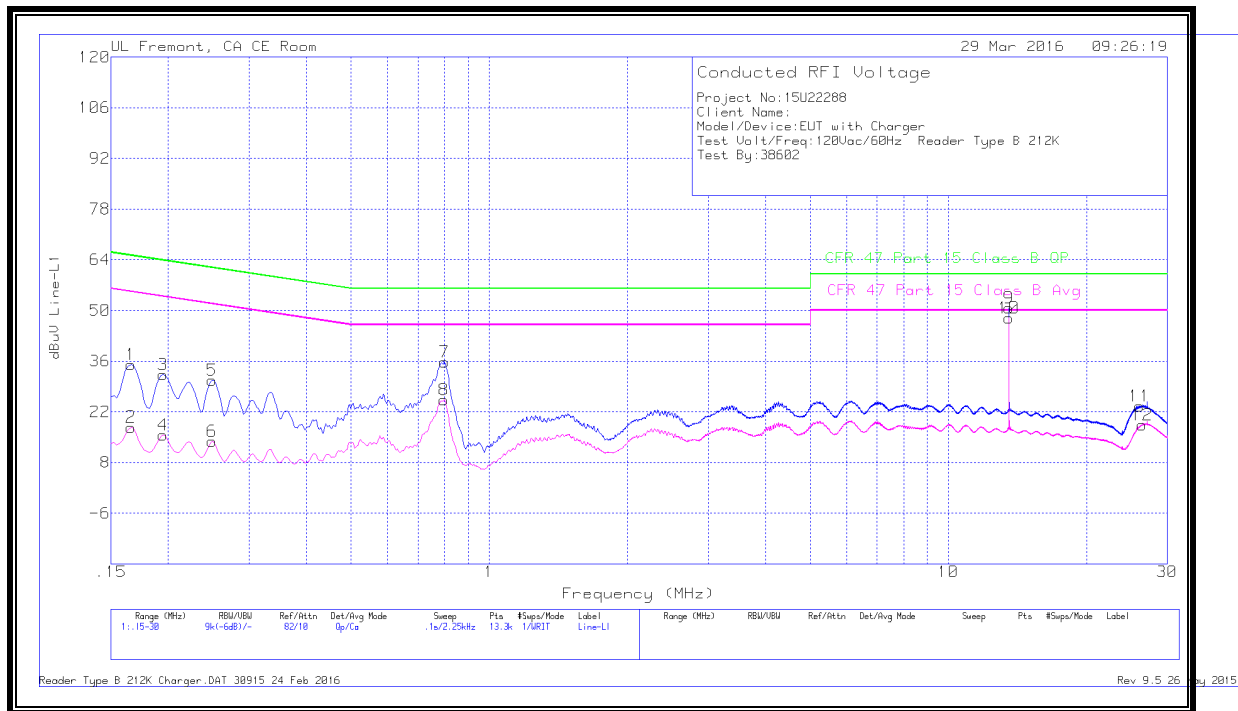
Qp - Quasi-Peak detector

Ca - CISPR average detection

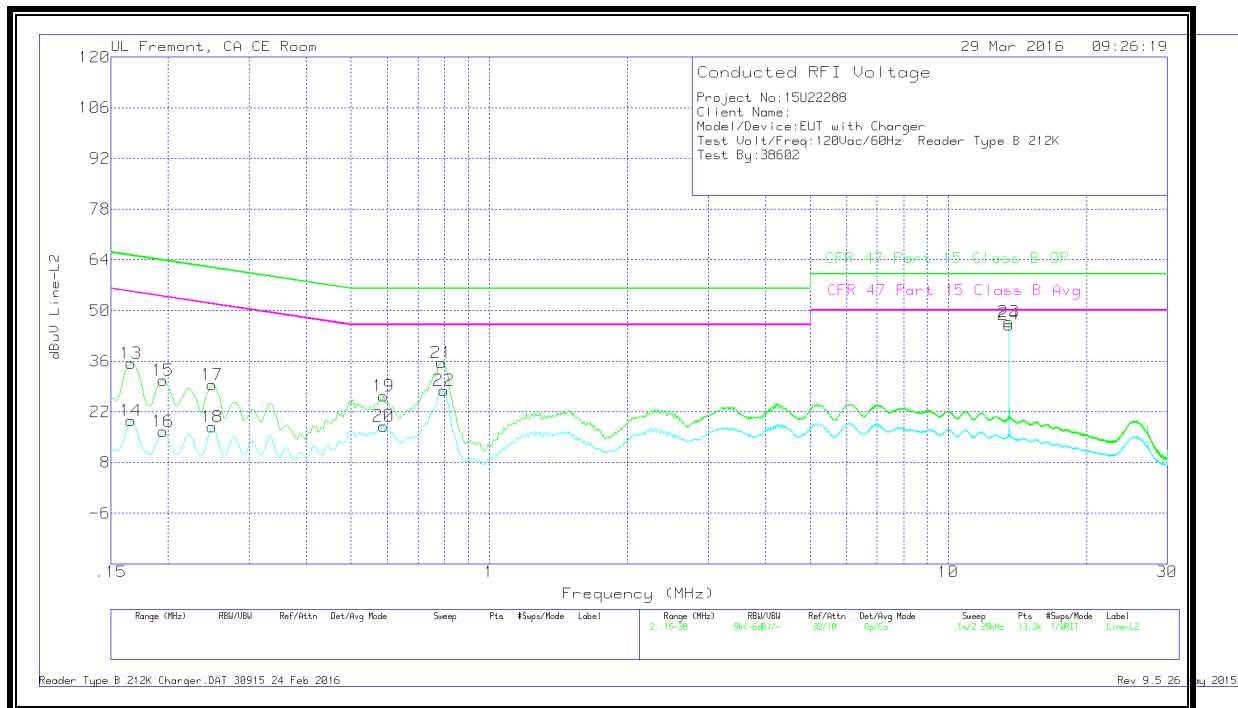
Reader Type B 212K Charger.DAT 30915 24 Feb 2016

Rev 9.5 26 May 2015

LINE 1 RESULTS



LINE 2 RESULTS



10.5.7. 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	32.22	Qp	1.2	0	10.1	43.52	65.06	-21.54	-	-
2	.168	14.72	Ca	1.2	0	10.1	26.02	-	-	55.06	-29.04
3	.19725	30.98	Qp	1	0	10.1	42.08	63.73	-21.65	-	-
4	.1995	13.4	Ca	.9	0	10.1	24.4	-	-	53.63	-29.23
5	.25125	29.28	Qp	.7	0	10.1	40.08	61.72	-21.64	-	-
6	.2535	13.42	Ca	.7	0	10.1	24.22	-	-	51.64	-27.42
7	.816	31.25	Qp	.3	0	10.1	41.65	56	-14.35	-	-
8	.8115	23.92	Ca	.3	0	10.1	34.32	-	-	46	-11.68
9	1.44825	18.67	Qp	.2	.1	10.1	29.07	56	-26.93	-	-
10	1.4325	12.32	Ca	.2	.1	10.1	22.72	-	-	46	-23.28
11	13.56	55.57	Qp	.2	.2	10.2	66.17	60	6.17	-	-
12	13.56	52.27	Ca	.2	.2	10.2	62.87	-	-	50	12.87

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	33.15	Qp	1.3	0	10.1	44.55	65.06	-20.51	-	-
14	.168	14.01	Ca	1.3	0	10.1	25.41	-	-	55.06	-29.65
15	.2535	30.01	Qp	.7	0	10.1	40.81	61.64	-20.83	-	-
16	.2535	11.19	Ca	.7	0	10.1	21.99	-	-	51.64	-29.65
17	.3345	24.92	Qp	.5	0	10.1	35.52	59.34	-23.82	-	-
18	.33675	6.96	Ca	.5	0	10.1	17.56	-	-	49.28	-31.72
19	.80925	31.69	Qp	.3	0	10.1	42.09	56	-13.91	-	-
20	.81375	18.26	Ca	.3	0	10.1	28.66	-	-	46	-17.34
21	1.43925	16.73	Qp	.2	.1	10.1	27.13	56	-28.87	-	-
22	1.4325	6.38	Ca	.2	.1	10.1	16.78	-	-	46	-29.22
23	13.56	55.17	Qp	.2	.2	10.2	65.77	60	5.77	-	-
24	13.56	51.7	Ca	.2	.2	10.2	62.3	-	-	50	12.3

Qp - Quasi-Peak detector

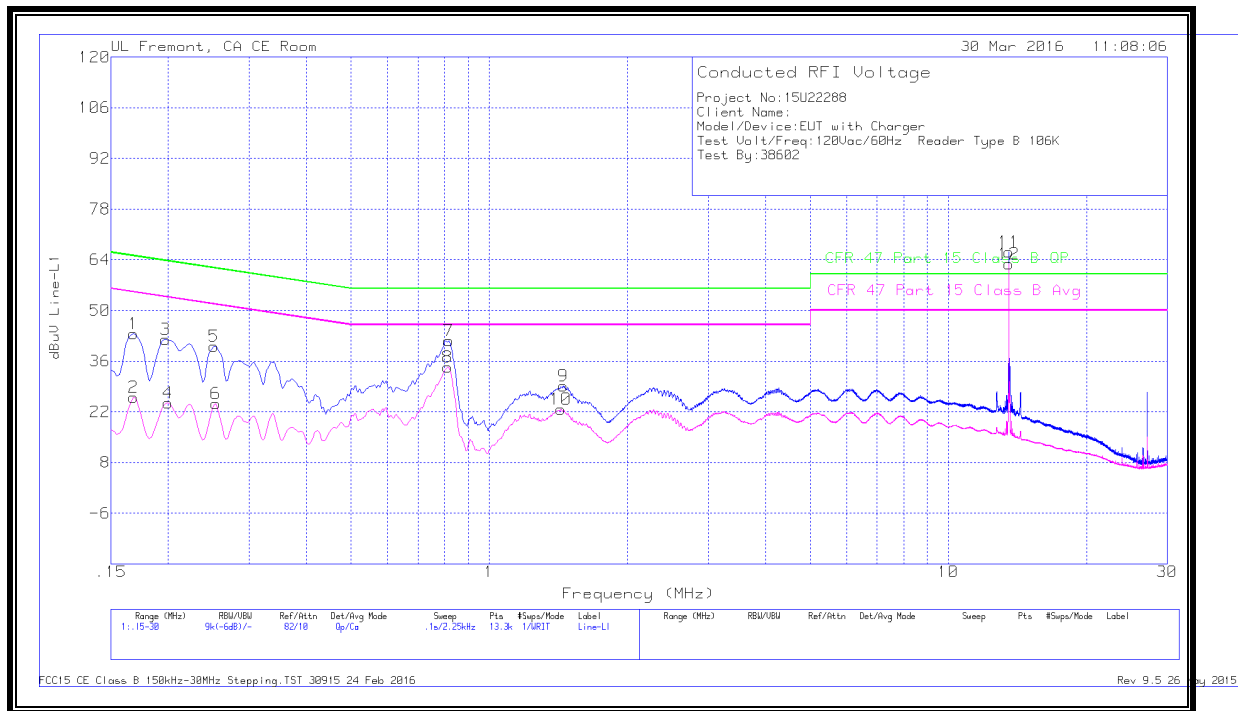
Ca - CISPR average detection

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

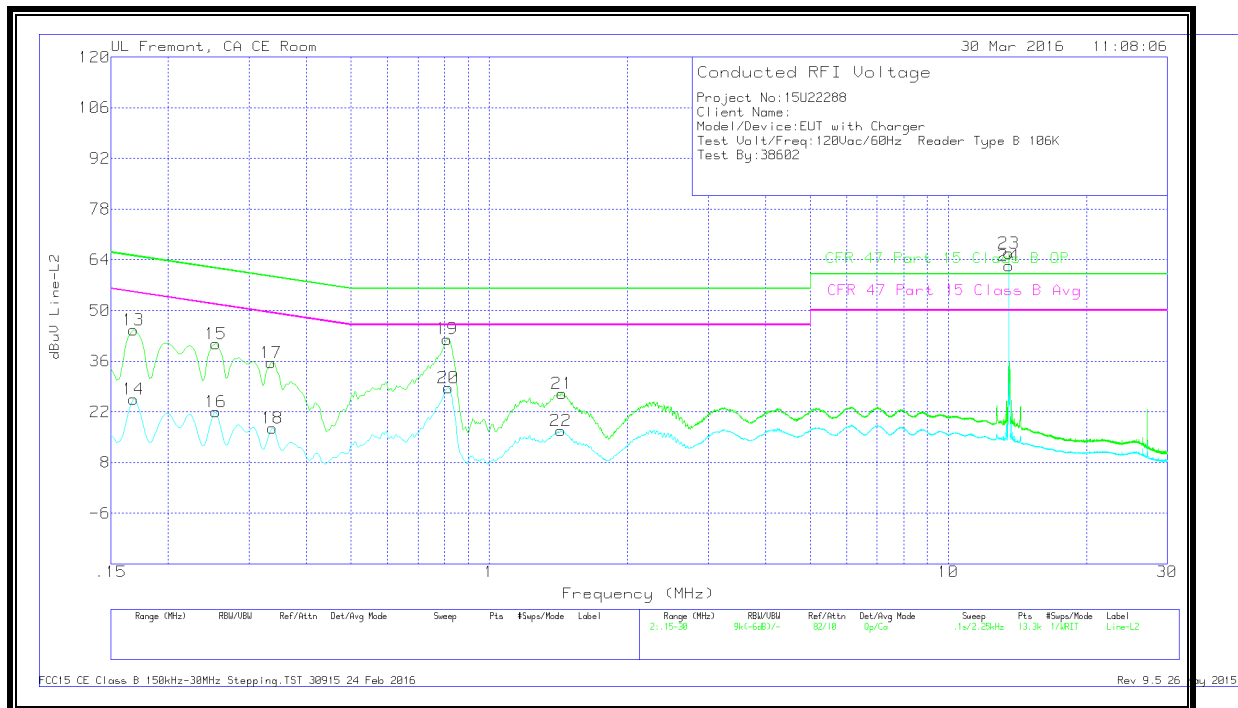
Rev 9.5 26 May 2015

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



10.5.8. 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	.16575	23.6	Qp	1.2	0	10.1	34.9	65.17	-30.27	-	-
2	.16575	6.73	Ca	1.2	0	10.1	18.03	-	-	55.17	-37.14
3	.195	21.52	Qp	1	0	10.1	32.62	63.82	-31.2	-	-
4	.195	4.71	Ca	1	0	10.1	15.81	-	-	53.82	-38.01
5	.249	19.79	Qp	.7	0	10.1	30.59	61.79	-31.2	-	-
6	.249	3.22	Ca	.7	0	10.1	14.02	-	-	51.79	-37.77
7	.79912	25.76	Qp	.3	0	10.1	36.16	56	-19.84	-	-
8	.798	15.04	Ca	.3	0	10.1	25.44	-	-	46	-20.56
9	13.56	38.88	Qp	.2	.2	10.2	49.48	60	-10.52	-	-
10	13.56	36.18	Ca	.2	.2	10.2	46.78	-	-	50	-3.22
11	26.55375	12.68	Qp	.3	.3	10.5	23.78	60	-36.22	-	-
12	26.5515	7.68	Ca	.3	.3	10.5	18.78	-	-	50	-31.22

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	24.07	Qp	1.3	0	10.1	35.47	65.17	-29.7	-	-
14	.16575	8.27	Ca	1.3	0	10.1	19.67	-	-	55.17	-35.5
15	.195	19.6	Qp	1	0	10.1	30.7	63.82	-33.12	-	-
16	.195	5.6	Ca	1	0	10.1	16.7	-	-	53.82	-37.12
17	.249	18.67	Qp	.7	0	10.1	29.47	61.79	-32.32	-	-
18	.249	6.99	Ca	.7	0	10.1	17.79	-	-	51.79	-34
19	.789	25.58	Qp	.3	0	10.1	35.98	56	-20.02	-	-
20	.798	17.39	Ca	.3	0	10.1	27.79	-	-	46	-18.21
21	13.56	34.97	Qp	.2	.2	10.2	45.57	60	-14.43	-	-
22	13.56	34.15	Ca	.2	.2	10.2	44.75	-	-	50	-5.25
23	25.36125	8.14	Qp	.3	.3	10.5	19.24	60	-40.76	-	-
24	25.50075	3.81	Ca	.3	.3	10.5	14.91	-	-	50	-35.09

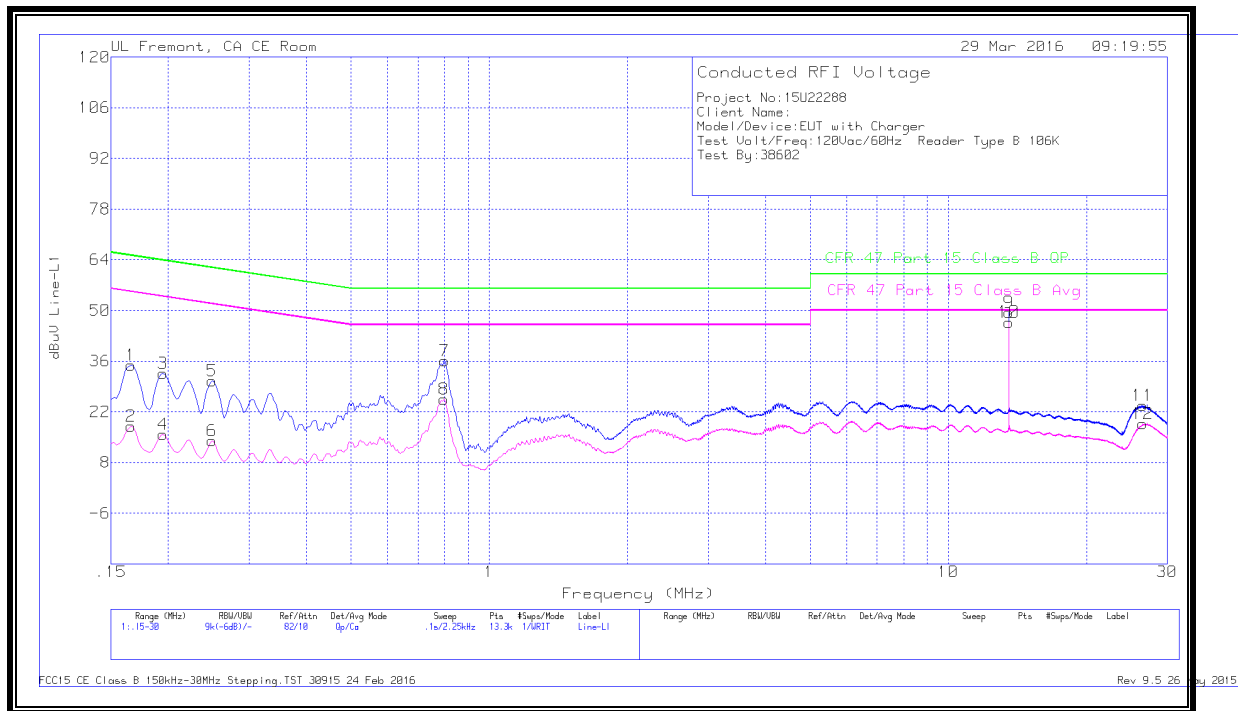
Qp - Quasi-Peak detector

Ca - CISPR average detection

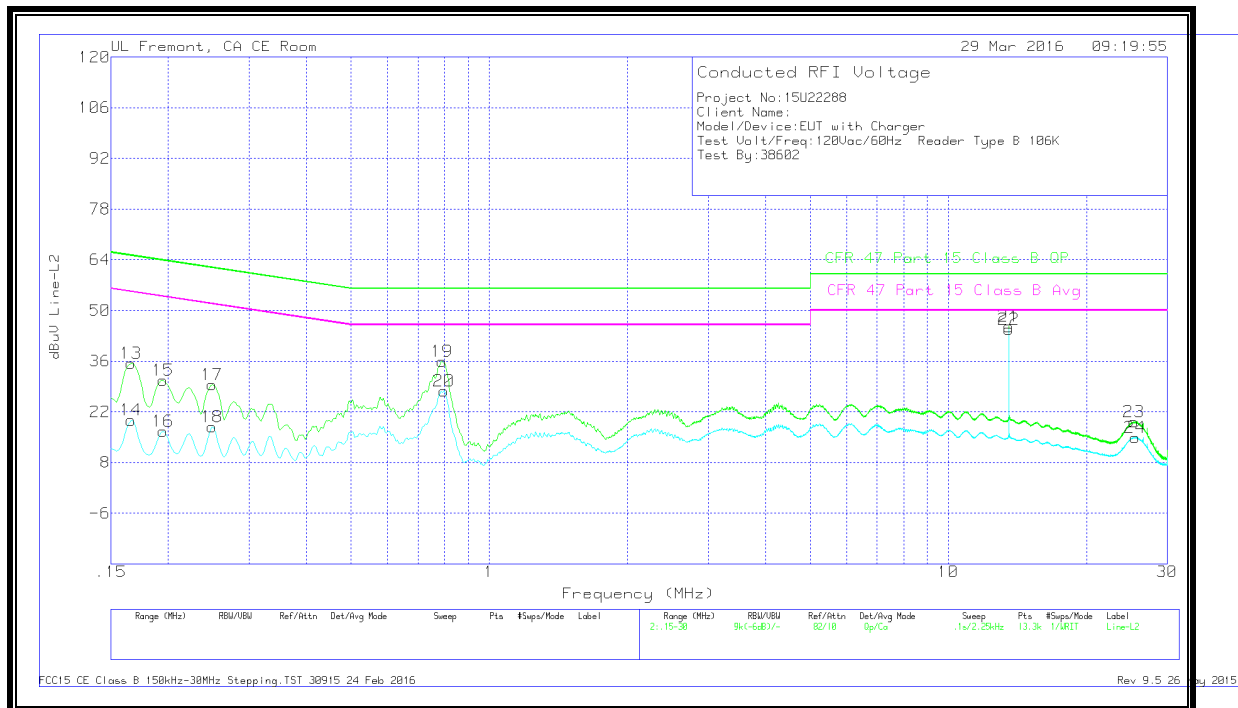
FCC15 CE Class B 150kHz-30MHz Stepping.TST 30915 24 Feb 2016

Rev 9.5 26 May 2015

LINE 1 RESULTS



LINE 2 RESULTS



10.6. READER MODE TYPE F, 424 KBPS

10.6.1. 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	32.36	Qp	1.2	0	10.1	43.66	65.06	-21.4	-	-
2	.168	15.07	Ca	1.2	0	10.1	26.37	-	-	55.06	-28.69
3	.19725	31.45	Qp	1	0	10.1	42.55	63.73	-21.18	-	-
4	.1995	14.08	Ca	.9	0	10.1	25.08	-	-	53.63	-28.55
5	.25125	29.39	Qp	.7	0	10.1	40.19	61.72	-21.53	-	-
6	.2535	13.71	Ca	.7	0	10.1	24.51	-	-	51.64	-27.13
7	.81825	31.33	Qp	.3	0	10.1	41.73	56	-14.27	-	-
8	.81487	23.95	Ca	.3	0	10.1	34.35	-	-	46	-11.65
9	1.43475	18.65	Qp	.2	.1	10.1	29.05	56	-26.95	-	-
10	1.4325	12.4	Ca	.2	.1	10.1	22.8	-	-	46	-23.2
11	13.56	56.24	Qp	.2	.2	10.2	66.84	60	6.84	-	-
12	13.56	53.08	Ca	.2	.2	10.2	63.68	-	-	50	13.68

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	33.3	Qp	1.3	0	10.1	44.7	65.06	-20.36	-	-
14	.168	14.65	Ca	1.3	0	10.1	26.05	-	-	55.06	-29.01
15	.19725	30.28	Qp	1	0	10.1	41.38	63.73	-22.35	-	-
16	.1995	11.13	Ca	1	0	10.1	22.23	-	-	53.63	-31.4
17	.2535	30.13	Qp	.7	0	10.1	40.93	61.64	-20.71	-	-
18	.2535	11.71	Ca	.7	0	10.1	22.51	-	-	51.64	-29.13
19	.81375	32.01	Qp	.3	0	10.1	42.41	56	-13.59	-	-
20	.81375	18.43	Ca	.3	0	10.1	28.83	-	-	46	-17.17
21	1.4325	16.89	Qp	.2	.1	10.1	27.29	56	-28.71	-	-
22	1.4325	6.53	Ca	.2	.1	10.1	16.93	-	-	46	-29.07
23	13.56	55.93	Qp	.2	.2	10.2	66.53	60	6.53	-	-
24	13.56	52.52	Ca	.2	.2	10.2	63.12	-	-	50	13.12

Qp - Quasi-Peak detector

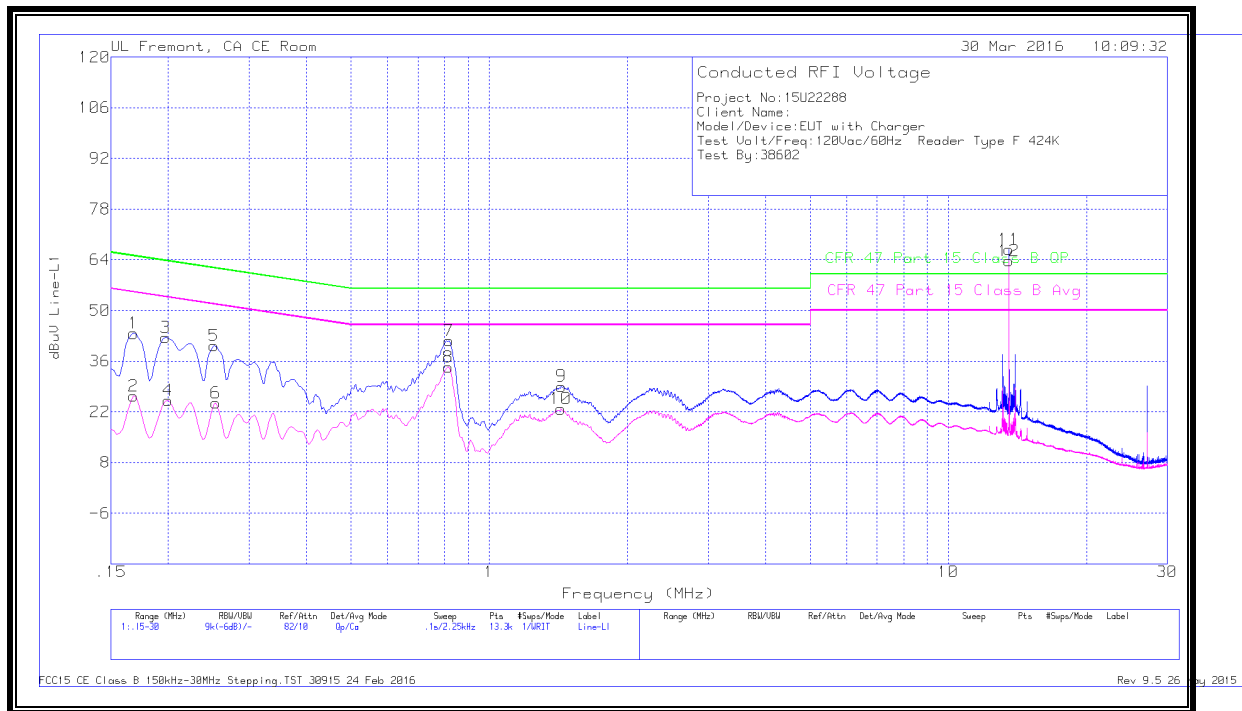
Ca - CISPR average detection

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

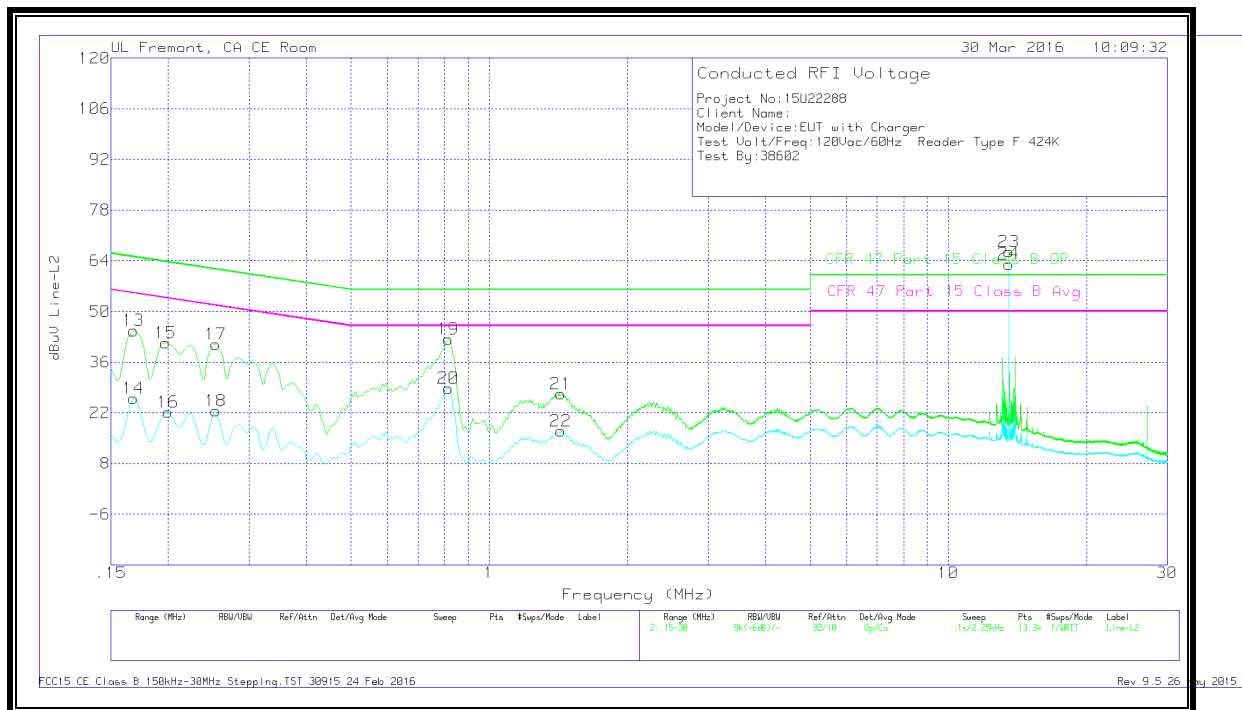
Rev 9.5 26 May 2015

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



10.6.2. 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	.168	25.89	Qp	1.2	0	10.1	37.19	65.06	-27.87	-	-
2	.168	10.03	Ca	1.2	0	10.1	21.33	-	-	55.06	-33.73
3	.195	23.16	Qp	1	0	10.1	34.26	63.82	-29.56	-	-
4	.19613	8.7	Ca	1	0	10.1	19.8	-	-	53.77	-33.97
5	.222	20.05	Qp	.8	0	10.1	30.95	62.74	-31.79	-	-
6	.22425	7.34	Ca	.8	0	10.1	18.24	-	-	52.66	-34.42
7	.582	17.53	Qp	.3	0	10.1	27.93	56	-28.07	-	-
8	.582	9.46	Ca	.3	0	10.1	19.86	-	-	46	-26.14
9	.79125	27.22	Qp	.3	0	10.1	37.62	56	-18.38	-	-
10	.79125	19.17	Ca	.3	0	10.1	29.57	-	-	46	-16.43
11	13.56	39.28	Qp	.2	.2	10.2	49.88	60	-10.12	-	-
12	13.56	35.97	Ca	.2	.2	10.2	46.57	-	-	50	-3.43

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	26.86	Qp	1.3	0	10.1	38.26	65.06	-26.8	-	-
14	.168	9.33	Ca	1.3	0	10.1	20.73	-	-	55.06	-34.33
15	.195	22.49	Qp	1	0	10.1	33.59	63.82	-30.23	-	-
16	.195	5.56	Ca	1	0	10.1	16.66	-	-	53.82	-37.16
17	.25125	21.61	Qp	.7	0	10.1	32.41	61.72	-29.31	-	-
18	.25125	4.5	Ca	.7	0	10.1	15.3	-	-	51.72	-36.42
19	.582	17.22	Qp	.3	0	10.1	27.62	56	-28.38	-	-
20	.582	5.12	Ca	.3	0	10.1	15.52	-	-	46	-30.48
21	.8025	27.41	Qp	.3	0	10.1	37.81	56	-18.19	-	-
22	.789	16.02	Ca	.3	0	10.1	26.42	-	-	46	-19.58
23	13.56	38.65	Qp	.2	.2	10.2	49.25	60	-10.75	-	-
24	13.56	35.36	Ca	.2	.2	10.2	45.96	-	-	50	-4.04

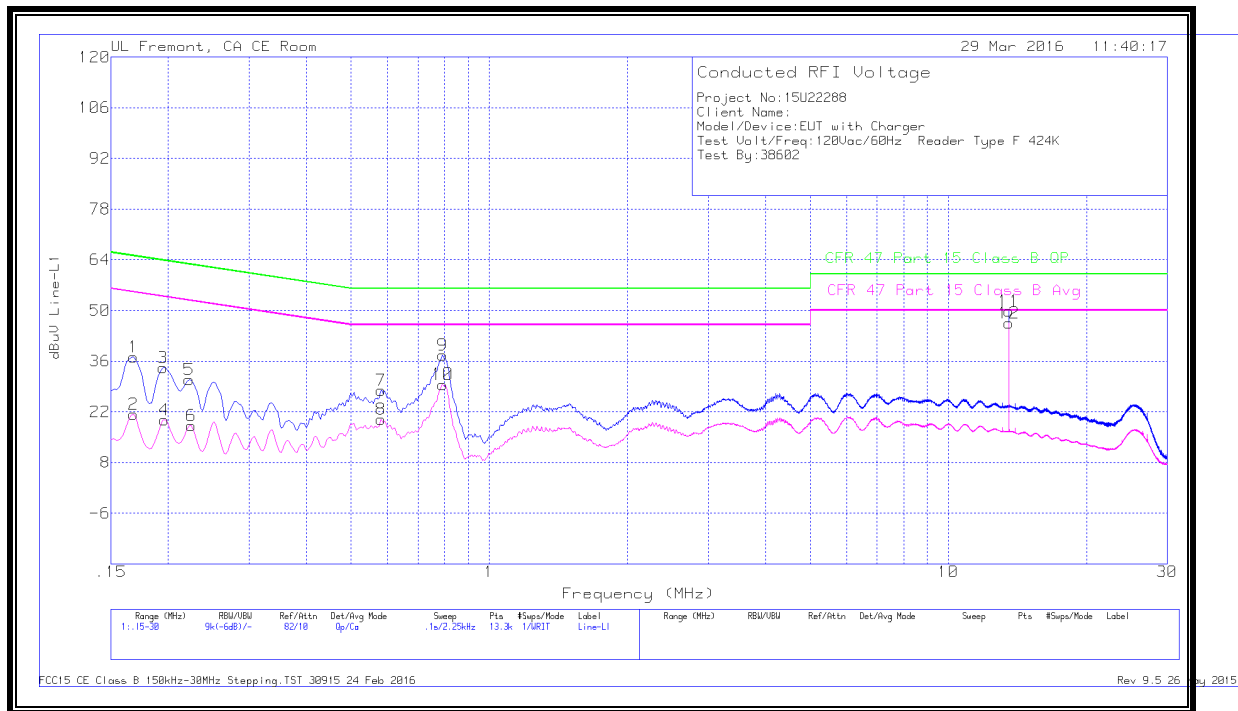
Qp - Quasi-Peak detector

Ca - CISPR average detection

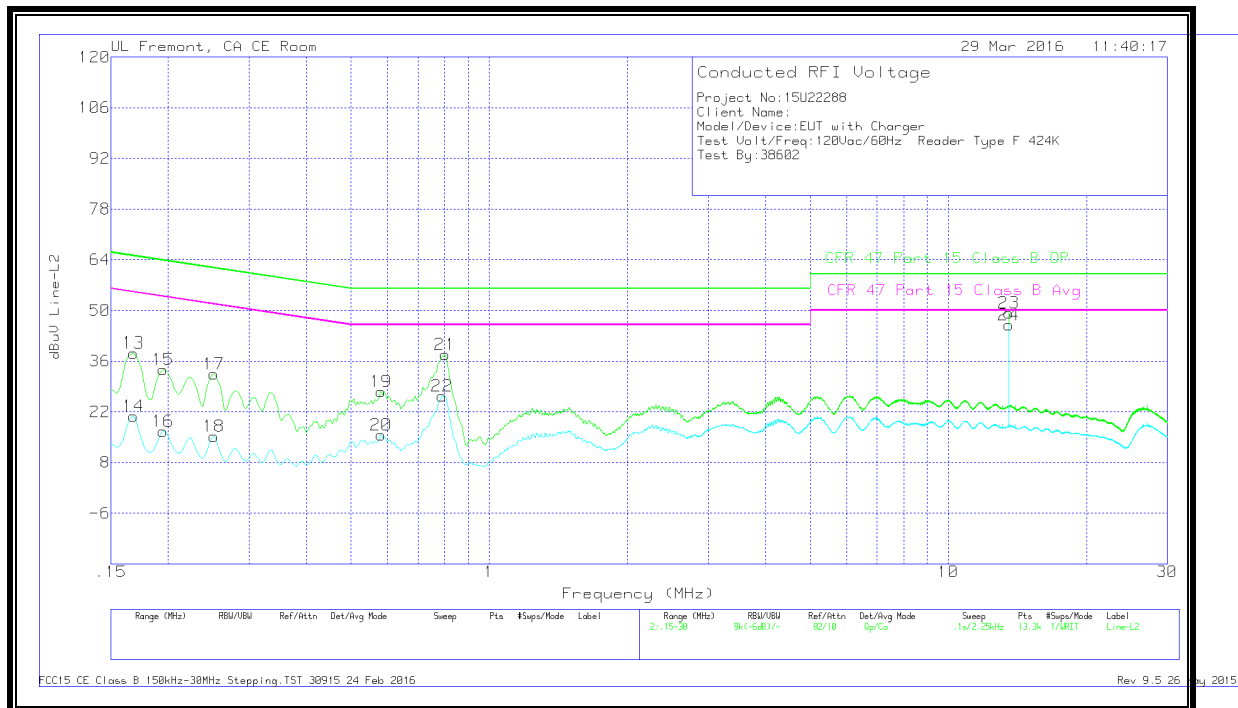
FCC15 CE Class B 150kHz-30MHz Stepping, TST 30915 24 Feb 2016

Rev 9.5 26 May 2015

LINE 1 RESULTS



LINE 2 RESULTS



10.6.3. 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	32.33	Qp	1.2	0	10.1	43.63	65.06	-21.43	-	-
2	.168	14.94	Ca	1.2	0	10.1	26.24	-	-	55.06	-28.82
3	.19725	31.29	Qp	1	0	10.1	42.39	63.73	-21.34	-	-
4	.1995	13.85	Ca	.9	0	10.1	24.85	-	-	53.63	-28.78
5	.25125	29.34	Qp	.7	0	10.1	40.14	61.72	-21.58	-	-
6	.2535	13.66	Ca	.7	0	10.1	24.46	-	-	51.64	-27.18
7	.816	31.48	Qp	.3	0	10.1	41.88	56	-14.12	-	-
8	.81375	24.08	Ca	.3	0	10.1	34.48	-	-	46	-11.52
9	1.4325	18.65	Qp	.2	.1	10.1	29.05	56	-26.95	-	-
10	1.4325	12.46	Ca	.2	.1	10.1	22.86	-	-	46	-23.14
11	13.56	56.34	Qp	.2	.2	10.2	66.94	60	6.94	-	-
12	13.56	53.16	Ca	.2	.2	10.2	63.76	-	-	50	13.76

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	33.32	Qp	1.3	0	10.1	44.72	65.06	-20.34	-	-
14	.168	14.91	Ca	1.3	0	10.1	26.31	-	-	55.06	-28.75
15	.19725	30.21	Qp	1	0	10.1	41.31	63.73	-22.42	-	-
16	.1995	11.33	Ca	1	0	10.1	22.43	-	-	53.63	-31.2
17	.2535	30.23	Qp	.7	0	10.1	41.03	61.64	-20.61	-	-
18	.2535	11.95	Ca	.7	0	10.1	22.75	-	-	51.64	-28.89
19	.8115	32.02	Qp	.3	0	10.1	42.42	56	-13.58	-	-
20	.81375	18.46	Ca	.3	0	10.1	28.86	-	-	46	-17.14
21	1.43025	16.99	Qp	.2	.1	10.1	27.39	56	-28.61	-	-
22	1.43025	6.55	Ca	.2	.1	10.1	16.95	-	-	46	-29.05
23	13.56	56.02	Qp	.2	.2	10.2	66.62	60	6.62	-	-
24	13.56	52.62	Ca	.2	.2	10.2	63.22	-	-	50	13.22

Qp - Quasi-Peak detector

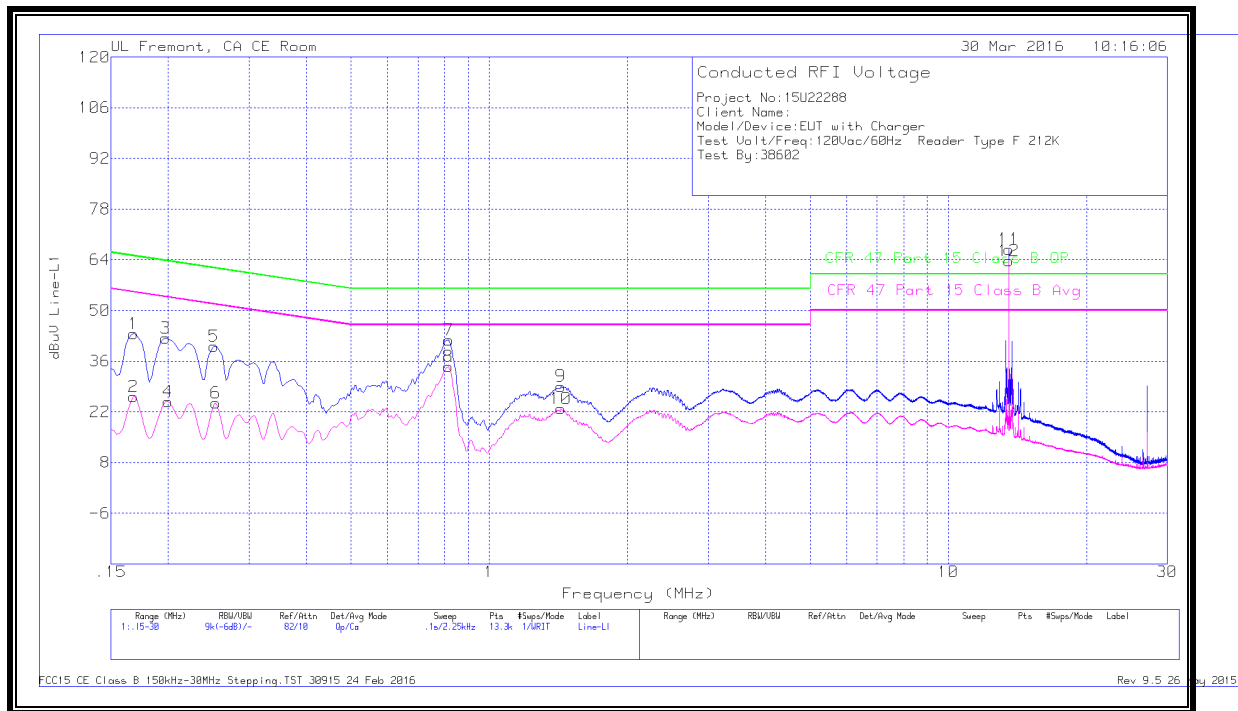
Ca - CISPR average detection

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

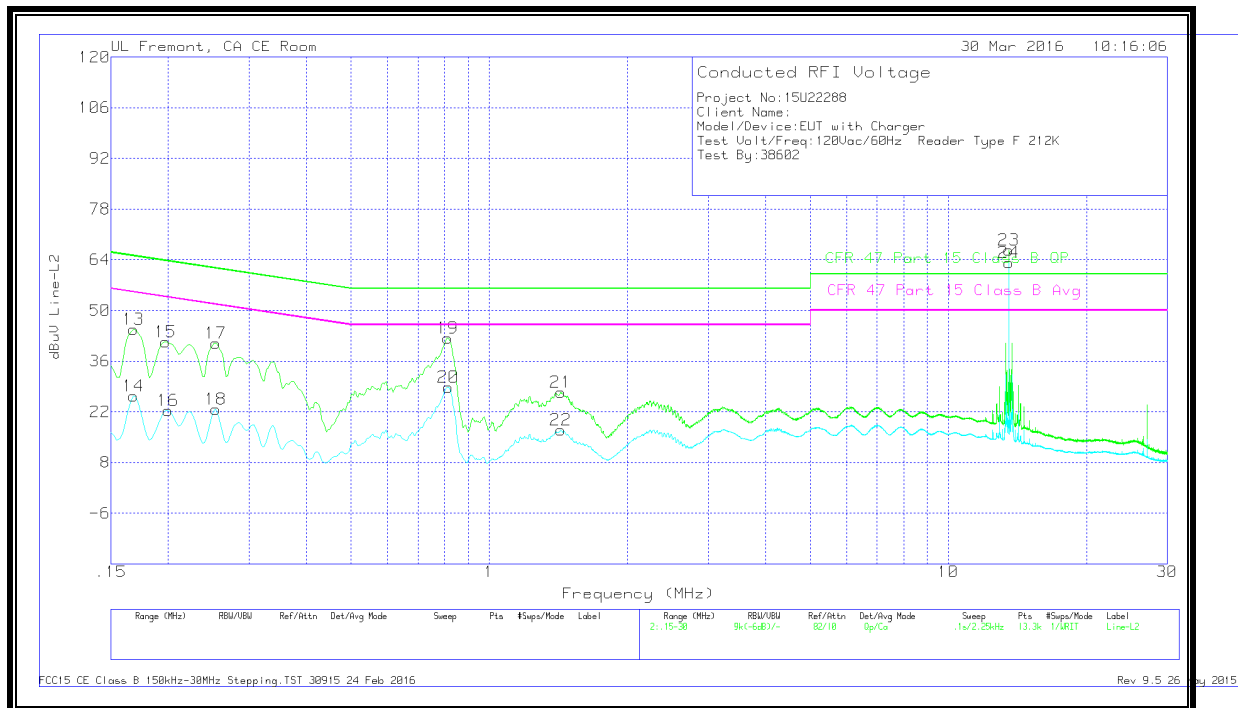
Rev 9.5 26 May 2015

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



10.6.4. 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	.168	26.2	Qp	1.2	0	10.1	37.5	65.06	-27.56	-	-
2	.168	10.76	Ca	1.2	0	10.1	22.06	-	-	55.06	-33
3	.195	23.33	Qp	1	0	10.1	34.43	63.82	-29.39	-	-
4	.19725	9.31	Ca	1	0	10.1	20.41	-	-	53.73	-33.32
5	.25125	19.86	Qp	.7	0	10.1	30.66	61.72	-31.06	-	-
6	.25125	8.89	Ca	.7	0	10.1	19.69	-	-	51.72	-32.03
7	.582	17.72	Qp	.3	0	10.1	28.12	56	-27.88	-	-
8	.582	9.8	Ca	.3	0	10.1	20.2	-	-	46	-25.8
9	.7935	26.98	Qp	.3	0	10.1	37.38	56	-18.62	-	-
10	.79125	19.4	Ca	.3	0	10.1	29.8	-	-	46	-16.2
11	13.56	39.1	Qp	.2	.2	10.2	49.7	60	-10.3	-	-
12	13.56	35.87	Ca	.2	.2	10.2	46.47	-	-	50	-3.53

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)
13	.168	26.64	Qp	1.3	0	10.1	38.04	65.06	-27.02	-	-
14	.168	8.39	Ca	1.3	0	10.1	19.79	-	-	55.06	-35.27
15	.195	22.45	Qp	1	0	10.1	33.55	63.82	-30.27	-	-
16	.195	4.74	Ca	1	0	10.1	15.84	-	-	53.82	-37.98
17	.25125	21.37	Qp	.7	0	10.1	32.17	61.72	-29.55	-	-
18	.25125	3.85	Ca	.7	0	10.1	14.65	-	-	51.72	-37.07
19	.591	16.99	Qp	.3	0	10.1	27.39	56	-28.61	-	-
20	.591	4.56	Ca	.3	0	10.1	14.96	-	-	46	-31.04
21	.7935	27.11	Qp	.3	0	10.1	37.51	56	-18.49	-	-
22	.79125	15.8	Ca	.3	0	10.1	26.2	-	-	46	-19.8
23	13.56	38.5	Qp	.2	.2	10.2	49.1	60	-10.9	-	-
24	13.56	35.25	Ca	.2	.2	10.2	45.85	-	-	50	-4.15

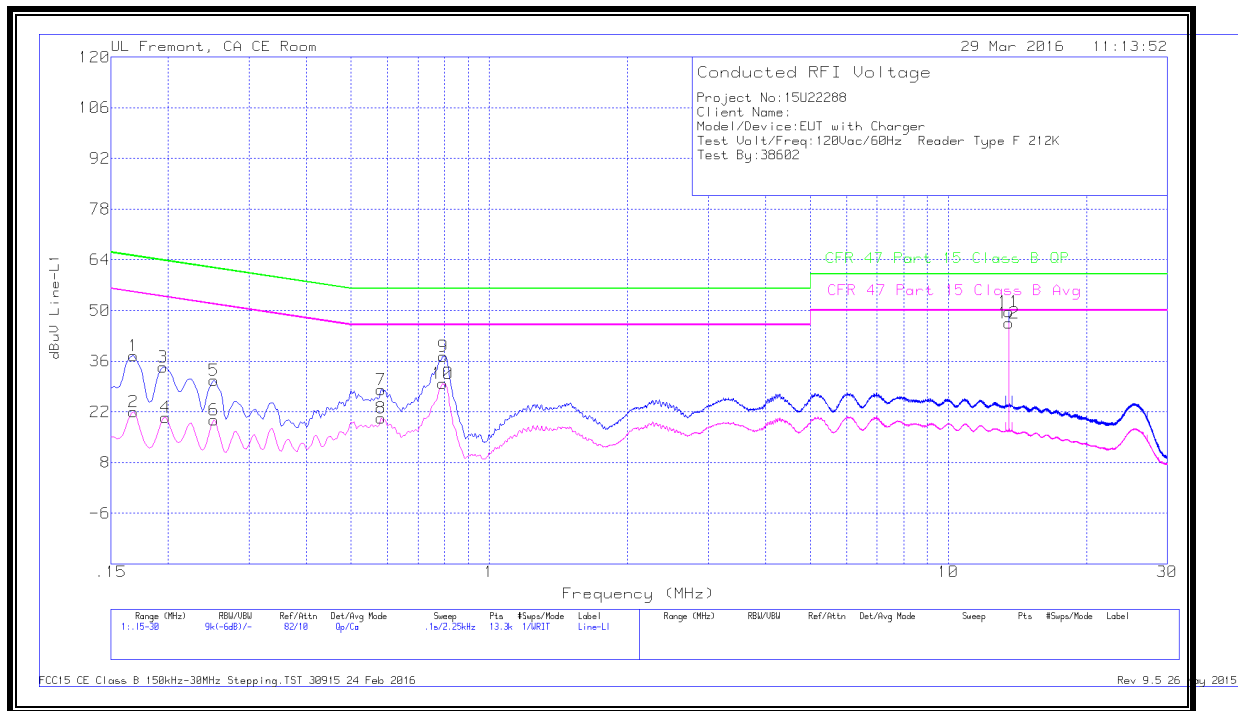
Qp - Quasi-Peak detector

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

