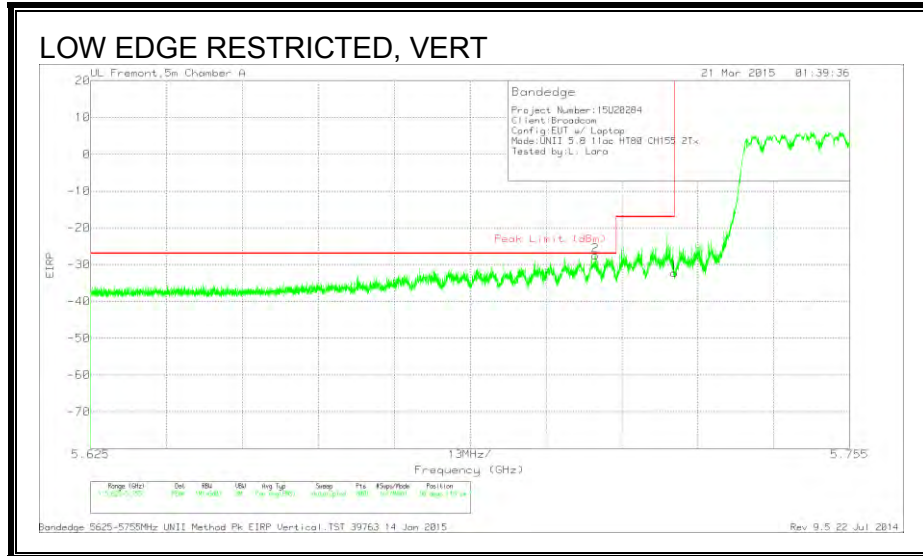


9.43. TX ABOVE 1 GHz 802.11ac HT80 CDD 2Tx MODE IN THE 5.8 GHz BAND

RESTRICTED BANDEDGE (CHANNEL 155 LOW EDGE)



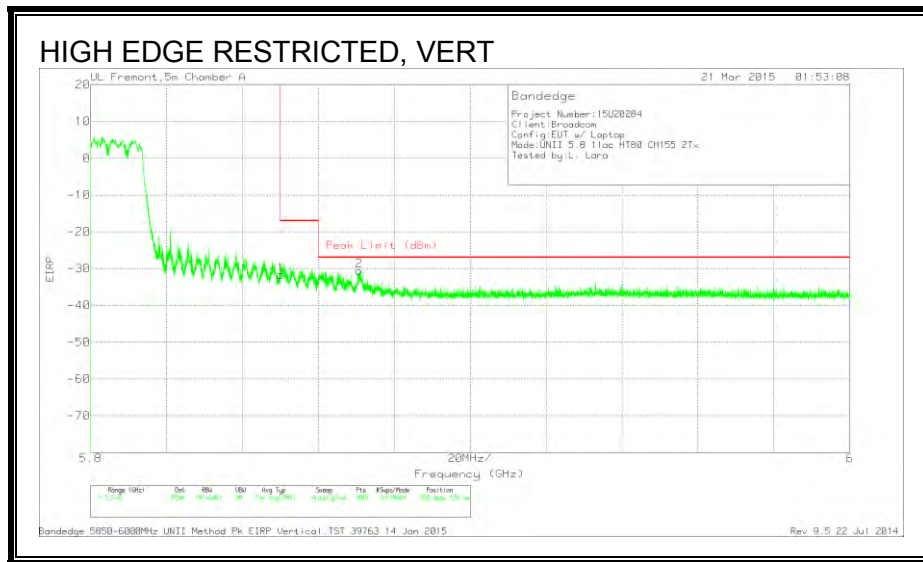
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Bypass (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.711	-83.05	PK	34.7	9.1	11.8	-27.45	-27	-45	96	118	V
1	5.725	-87.65	PK	34.7	8.9	11.8	-32.25	-17	-15.25	96	118	V

* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector
 RMS - RMS detection

RESTRICTED BANDEDGE (CHANNEL 155 HIGH EDGE)



Trace Markers

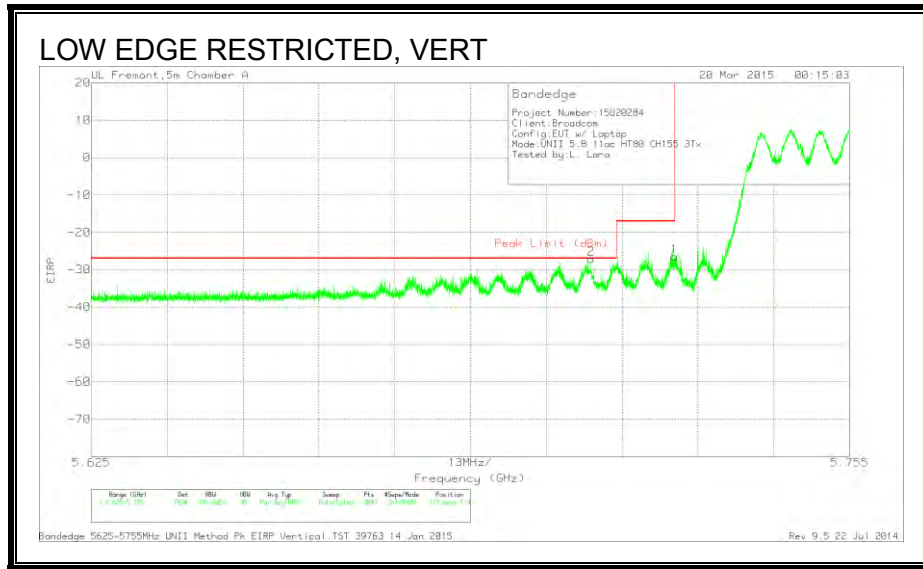
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Bypass (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-87.62	PK	35.1	9	11.8	-31.72	-17	-14.72	180	139	V
2	5.871	-86.51	PK	35.1	9	11.8	-30.61	-27	-3.61	180	139	V

* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector
 RMS - RMS detection

9.44. TX ABOVE 1 GHz 802.11ac VHT80 CDD 3Tx MODE IN THE 5.8 GHz BAND

RESTRICTED BANDEDGE (CHANNEL 155 LOW EDGE)



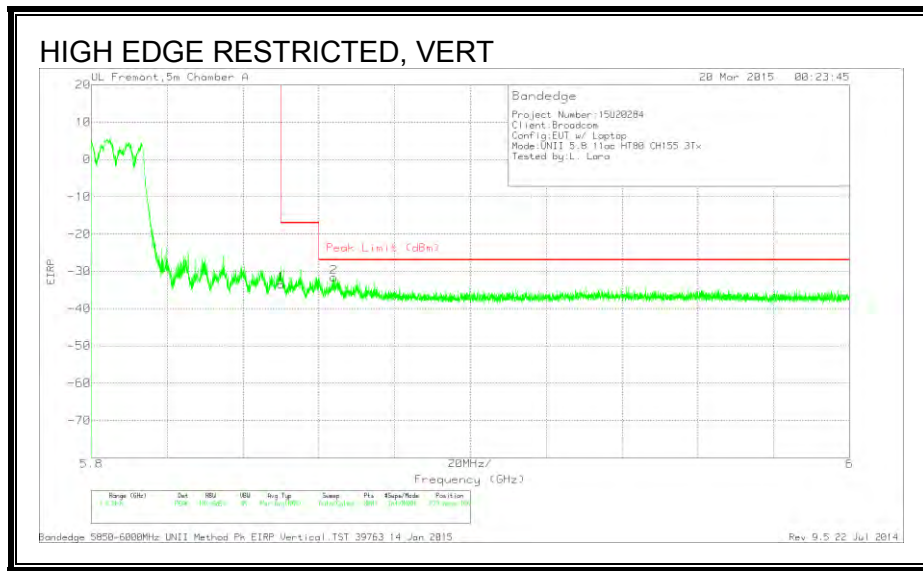
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Bypass (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.711	-82.71	PK	34.7	9.1	11.8	0	-27.11	-27	-.11	179	114	V
1	5.725	-81.88	PK	34.7	8.9	11.8	0	-26.48	-17	-9.48	179	114	V

* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector
 RMS - RMS detection

RESTRICTED BANDEDGE (CHANNEL 155 HIGH EDGE)



Trace Markers

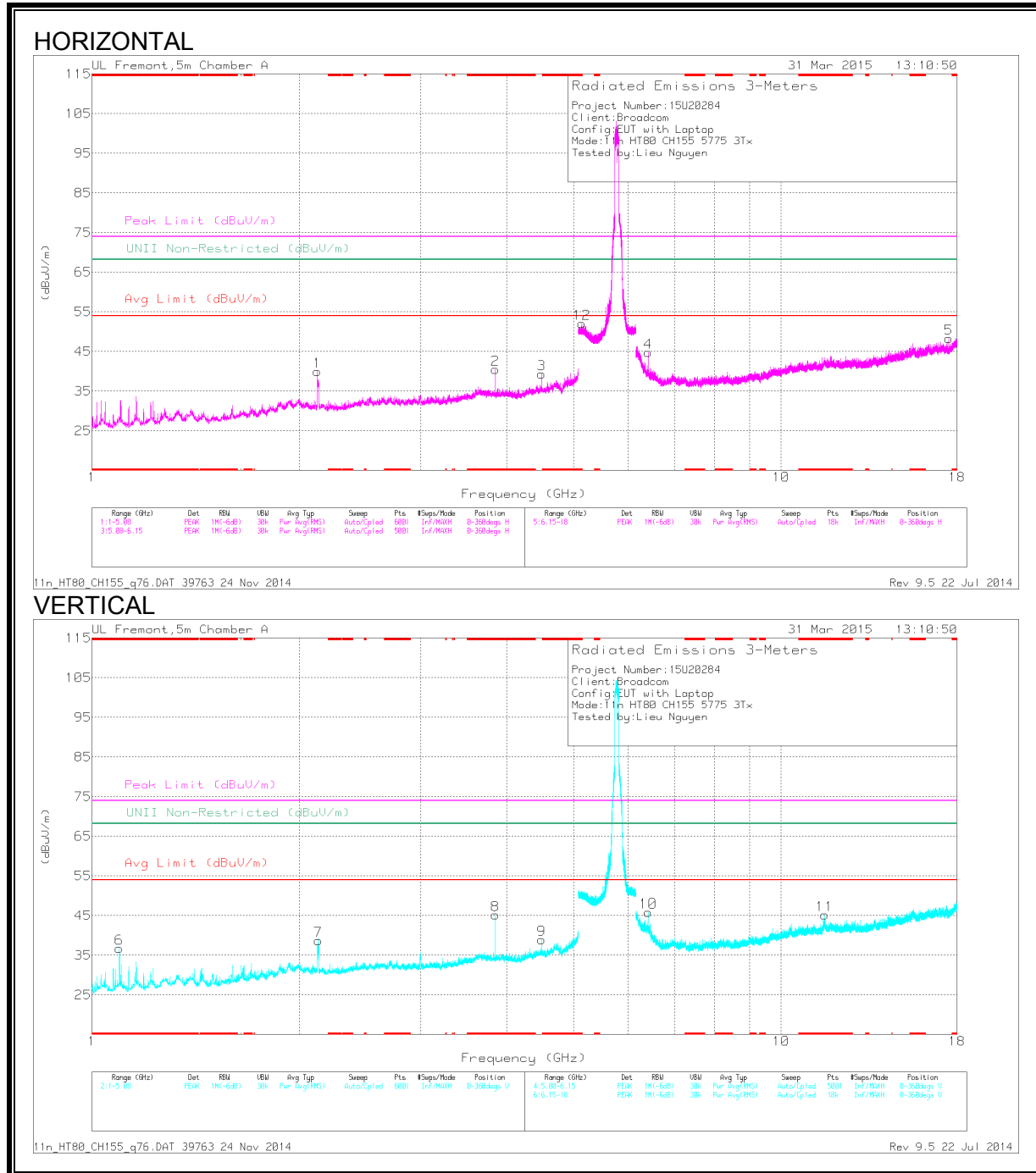
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Bypass (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-89.42	PK	35.1	9	11.8	0	-33.52	-17	-16.52	279	106	V
2	5.864	-87.39	PK	35.1	8.9	11.8	0	-31.59	-27	-4.59	279	106	V

* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector
 RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

CHANNEL 155



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 3.85	44.22	PK2	33.4	-31.1	0	46.52	-	-	74	-27.48	-	-	241	221	H
	3.85	38.01	MAV1	33.4	-31.1	.18	40.49	54	-13.51	-	-	-	-	241	221	H
6	* 1.097	49.26	PK2	27.6	-34	0	42.86	-	-	74	-31.14	-	-	292	355	V
	1.097	31.3	MAV1	27.6	-34	.18	25.08	54	-28.92	-	-	-	-	292	355	V
8	* 3.85	47.75	PK2	33.4	-31.1	0	50.05	-	-	74	-23.95	-	-	197	205	V
	3.85	43.91	MAV1	33.4	-31.1	.18	46.39	54	-7.61	-	-	-	-	197	205	V
12	* 5.133	43.56	PK2	34.1	-17.7	0	59.96	-	-	74	-14.04	-	-	33	186	H
	5.134	33.96	MAV1	34.1	-17.7	.18	50.54	54	-3.46	-	-	-	-	33	186	H
11	* 11.574	36.13	PK2	38.4	-22.1	0	52.43	-	-	74	-21.57	-	-	204	197	V
	11.574	24.82	MAV1	38.4	-22.1	.18	41.30	54	-12.70	-	-	-	-	204	197	V
1	2.124	49.17	PK2	31.6	-32.8	0	47.97	-	-	-	-	68.2	-20.23	305	374	H
7	2.13	48.98	PK2	31.6	-32.7	0	47.88	-	-	-	-	68.2	-20.32	327	133	V
9	4.492	43.18	PK2	34	-29.9	0	47.28	-	-	-	-	68.2	-20.92	284	151	V
4	6.417	44.28	PK2	35.7	-28.7	0	51.28	-	-	-	-	68.2	-16.92	13	184	H
10	6.417	45.38	PK2	35.7	-28.7	0	52.38	-	-	-	-	68.2	-15.82	109	138	V
5	17.516	33.22	PK2	40.7	-19.8	0	54.12	-	-	-	-	68.2	-14.08	324	100	H

* - indicates frequency in CFR15.205/IC8.10 Restricted Band

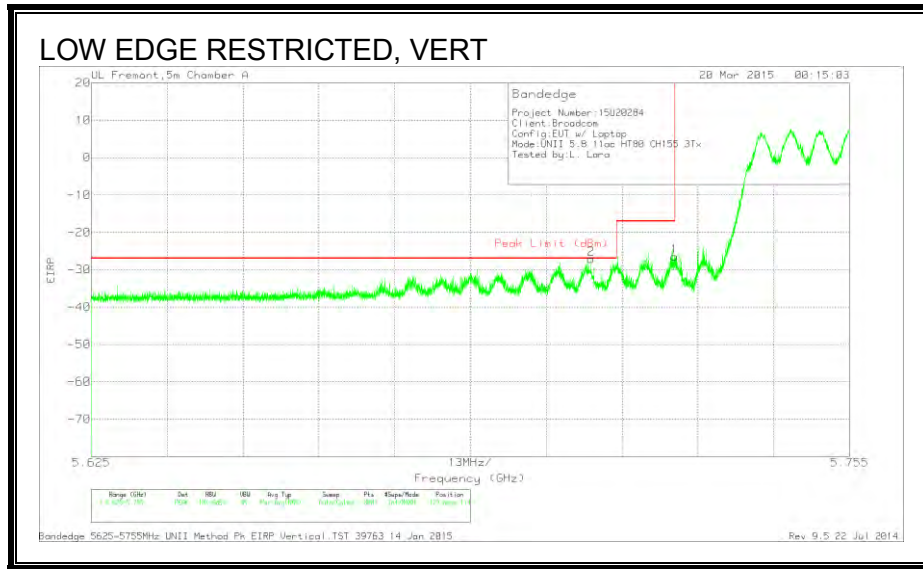
PK - Peak detector

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

9.45. TX ABOVE 1 GHz 802.11ac VHT80 TxBF 3Tx MODE IN THE 5.8 GHz BAND

RESTRICTED BANDEDGE (CHANNEL 155 LOW EDGE)



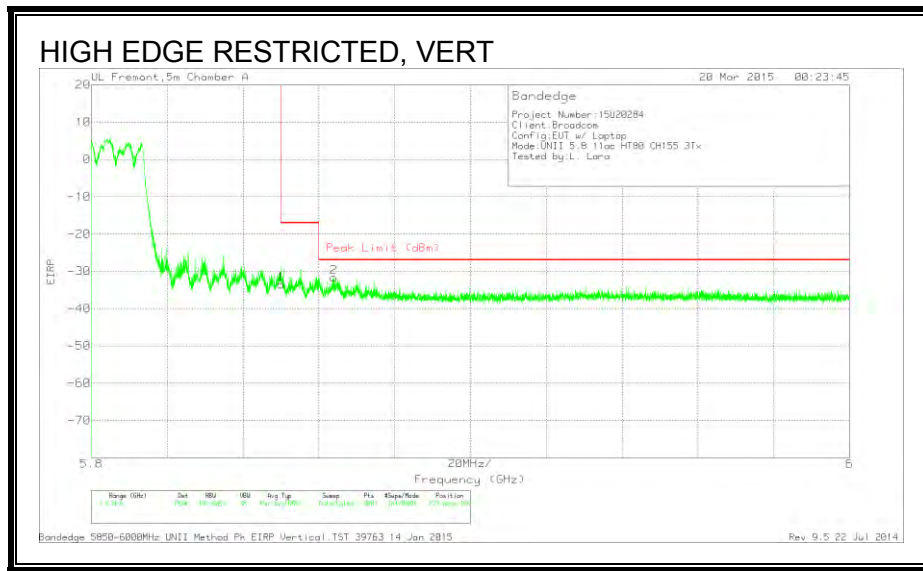
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Bypass (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.711	-82.71	PK	34.7	9.1	11.8	0	-27.11	-27	-.11	179	114	V
1	5.725	-81.88	PK	34.7	8.9	11.8	0	-26.48	-17	-9.48	179	114	V

* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector
 RMS - RMS detection

RESTRICTED BANDEDGE (CHANNEL 155 HIGH EDGE)



Trace Markers

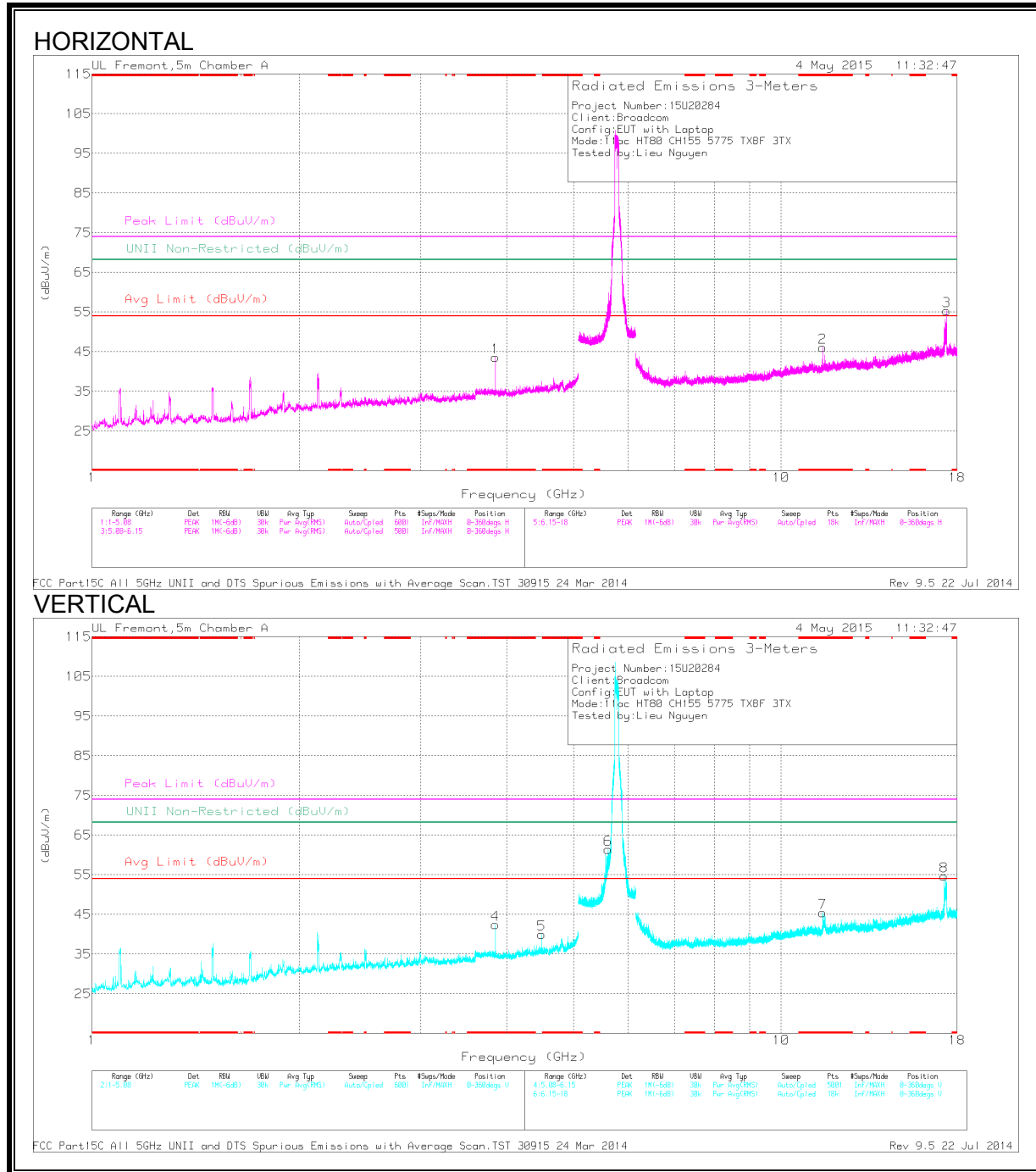
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Bypass (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-89.42	PK	35.1	9	11.8	0	-33.52	-17	-16.52	279	106	V
2	5.864	-87.39	PK	35.1	8.9	11.8	0	-31.59	-27	-4.59	279	106	V

* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector
 RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

CHANNEL 155



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.85	47.62	PK1	33.4	-32.5	0	48.52	-	-	74	-25.48	-	-	29	175	H
	* 3.85	40.39	AD1	33.4	-32.5	1.35	42.64	54	-11.36	-	-	-	-	29	175	H
	* 3.85	46.45	PK1	33.4	-32.5	0	47.35	-	-	74	-26.65	-	-	40	132	V
2	* 3.85	38.89	AD1	33.4	-32.5	1.35	41.14	54	-12.86	-	-	-	-	40	132	V
	* 11.479	34.33	PK1	38	-23.3	0	49.03	-	-	74	-24.97	-	-	357	236	H
	* 11.479	23.15	AD1	38	-23.3	1.35	39.2	54	-14.8	-	-	-	-	357	236	H
7	* 11.49	39.68	PK1	38	-23.4	0	54.28	-	-	74	-19.72	-	-	165	366	V
	* 11.491	24.09	AD1	38	-23.4	1.35	40.04	54	-13.96	-	-	-	-	165	366	V
5	4.492	44.23	PK1	33.9	-30.9	0	47.23	-	-	-	-	68.2	-20.97	42	151	V
6	5.611	49.22	PK1	34.5	-20.7	0	63.02	-	-	-	-	68.2	-5.18	161	155	V
8	17.243	46.37	PK1	41.3	-23.2	0	64.47	-	-	-	-	68.2	-3.73	163	115	V
3	17.373	43	PK1	41.3	-23.4	0	60.9	-	-	-	-	68.2	-7.3	54	204	H

* - indicates frequency in CFR15.205/IC8.10 Restricted Band

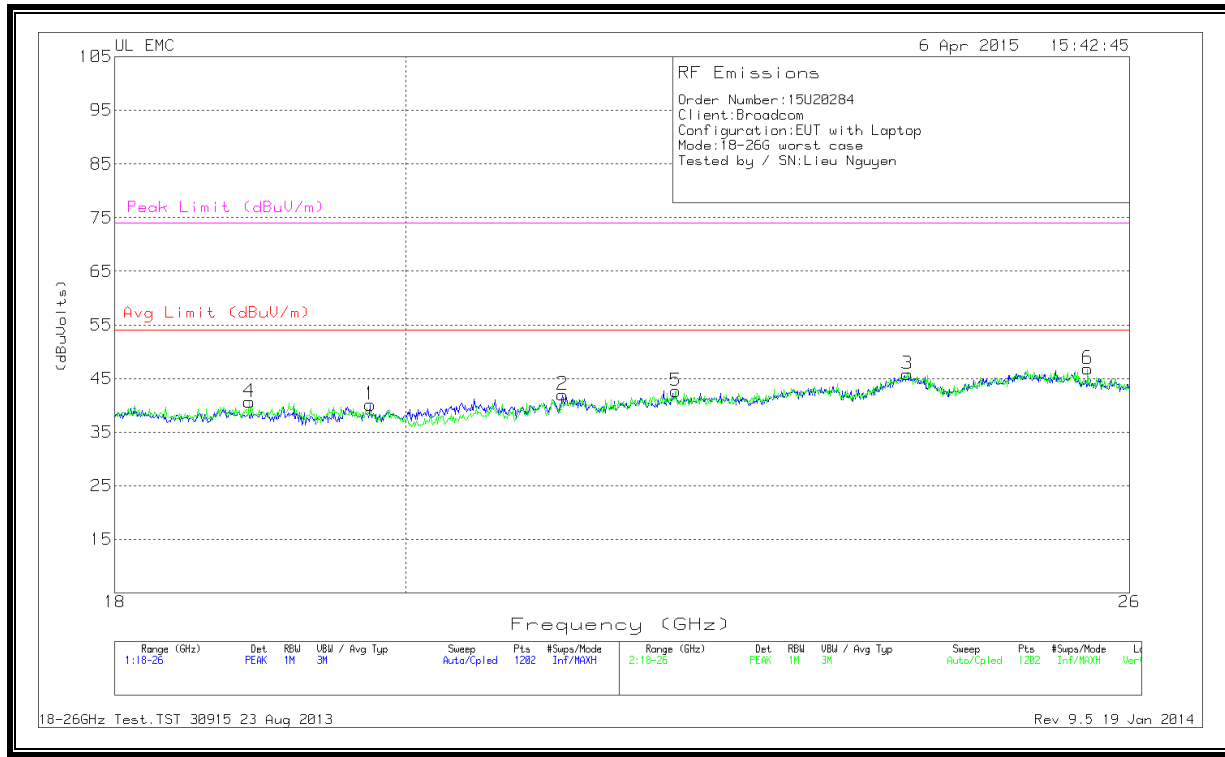
PK - Peak detector

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

9.46. WORST-CASE ABOVE 18GHz

SPURIOUS EMISSIONS 18 – 26GHz

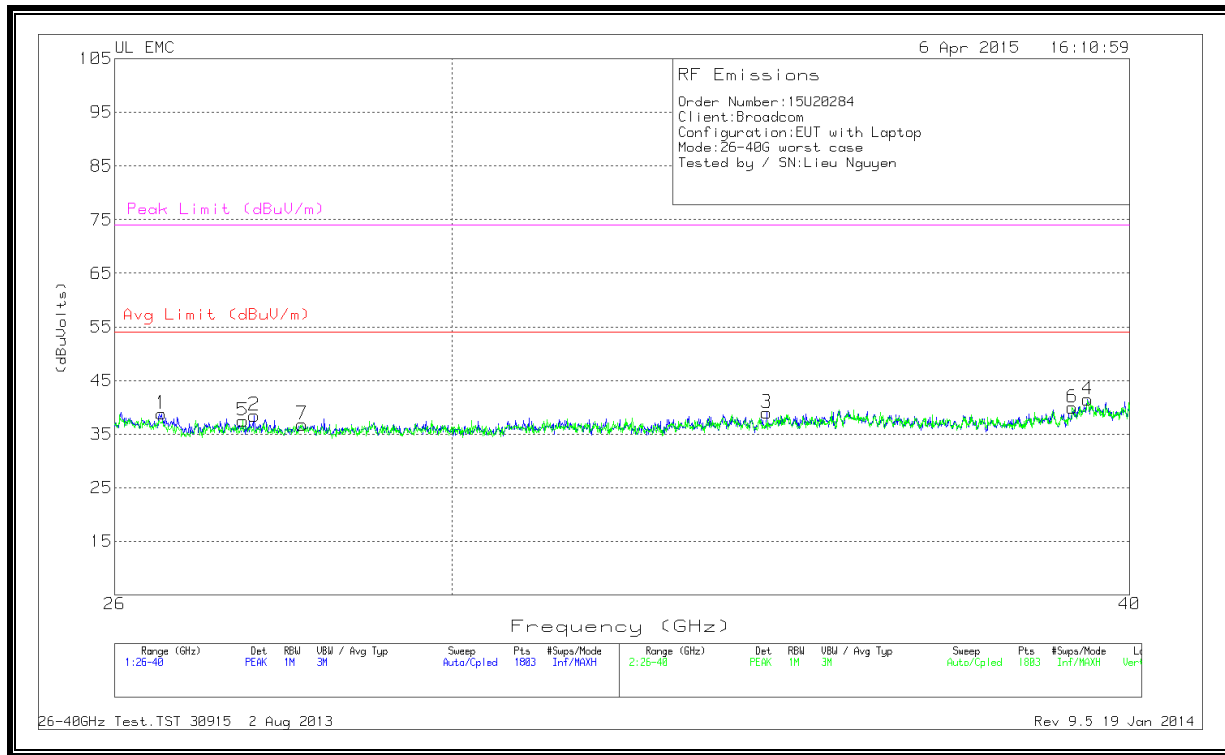


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	T89 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Corrected Reading (dBuVolts)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)
1	19.745	40.77	PK	33	-24.1	-9.5	40.16	54	-13.83	74	-33.83
2	21.171	41.9	PK	33.3	-23.7	-9.5	42	54	-12	74	-32
3	23.988	43.83	PK	34.2	-22.7	-9.5	45.83	54	-8.16	74	-28.16
4	18.899	41.97	PK	32.8	-24.6	-9.5	40.66	54	-13.33	74	-33.33
5	22.057	41.97	PK	33.7	-23.5	-9.5	42.66	54	-11.33	74	-31.33
6	25.607	44.93	PK	34.7	-23.3	-9.5	46.83	54	-7.16	74	-27.16

PK - Peak detector

SPURIOUS EMISSIONS 26 – 40GHz



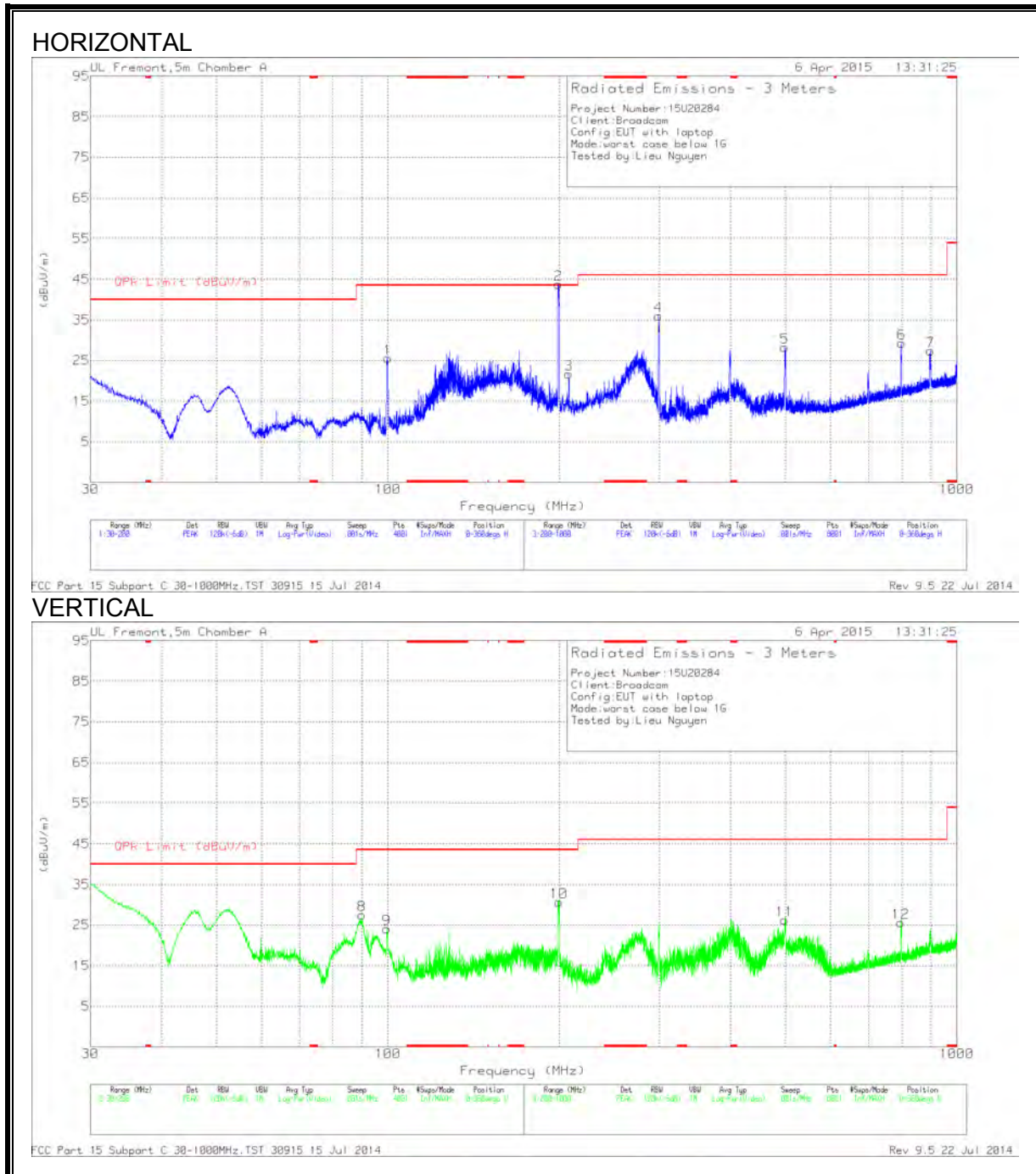
Trace Markers

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	T90 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Corrected Reading (dBuVolts)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)
1	26.521	46.33	PK	35.5	-33.5	-9.5	38.83	54	-15.16	74	-35.16
2	27.585	47.7	PK	35.7	-35.4	-9.5	38.5	54	-15.5	74	-35.5
3	34.29	49.8	PK	37	-38.3	-9.5	39	54	-15	74	-35
4	39.293	48.4	PK	38.4	-35.8	-9.5	41.5	54	-12.5	74	-32.5
5	27.453	46.5	PK	35.7	-35.2	-9.5	37.5	54	-16.5	74	-36.5
6	39.037	49.9	PK	37.4	-37.8	-9.5	40	54	-14	74	-34
7	28.152	45.83	PK	35.8	-35.3	-9.5	36.83	54	-17.16	74	-37.16

PK - Peak detector

9.47. WORST-CASE BELOW 1 GHz

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



Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T130 (dB/m)	Amp/Cbl (dB/m)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
8	90.095	50.42	PK	7.7	-30.6	27.52	43.52	-16	0-360	101	V
9	99.5938	45.33	PK	9.3	-30.6	24.03	43.52	-19.49	0-360	101	V
1	99.9125	46.81	PK	9.4	-30.6	25.61	43.52	-17.91	0-360	300	H
2	199.161	57.13	QP	12.5	-29.9	39.73	43.52	-3.79	1	100	H
10	199.83	48	PK	12.6	-29.9	30.7	43.52	-12.82	0-360	101	V
3	208	40.82	PK	10.7	-29.9	21.62	43.52	-21.9	0-360	101	H
4	298.7	52.1	PK	13.3	-29.4	36	46.02	-10.02	0-360	101	H
11	497.7	37.44	PK	17.6	-28.8	26.24	46.02	-19.78	0-360	101	V
5	497.8	39.41	PK	17.6	-28.8	28.21	46.02	-17.81	0-360	200	H
12	797.1	32.5	PK	21.3	-28.2	25.6	46.02	-20.42	0-360	200	V
6	799.4	36.24	PK	21.3	-28.2	29.34	46.02	-16.68	0-360	101	H
7	899.5	32.44	PK	22.3	-27.4	27.34	46.02	-18.68	0-360	101	H

PK - Peak detector

QP - Quasi-Peak detector

9.48. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

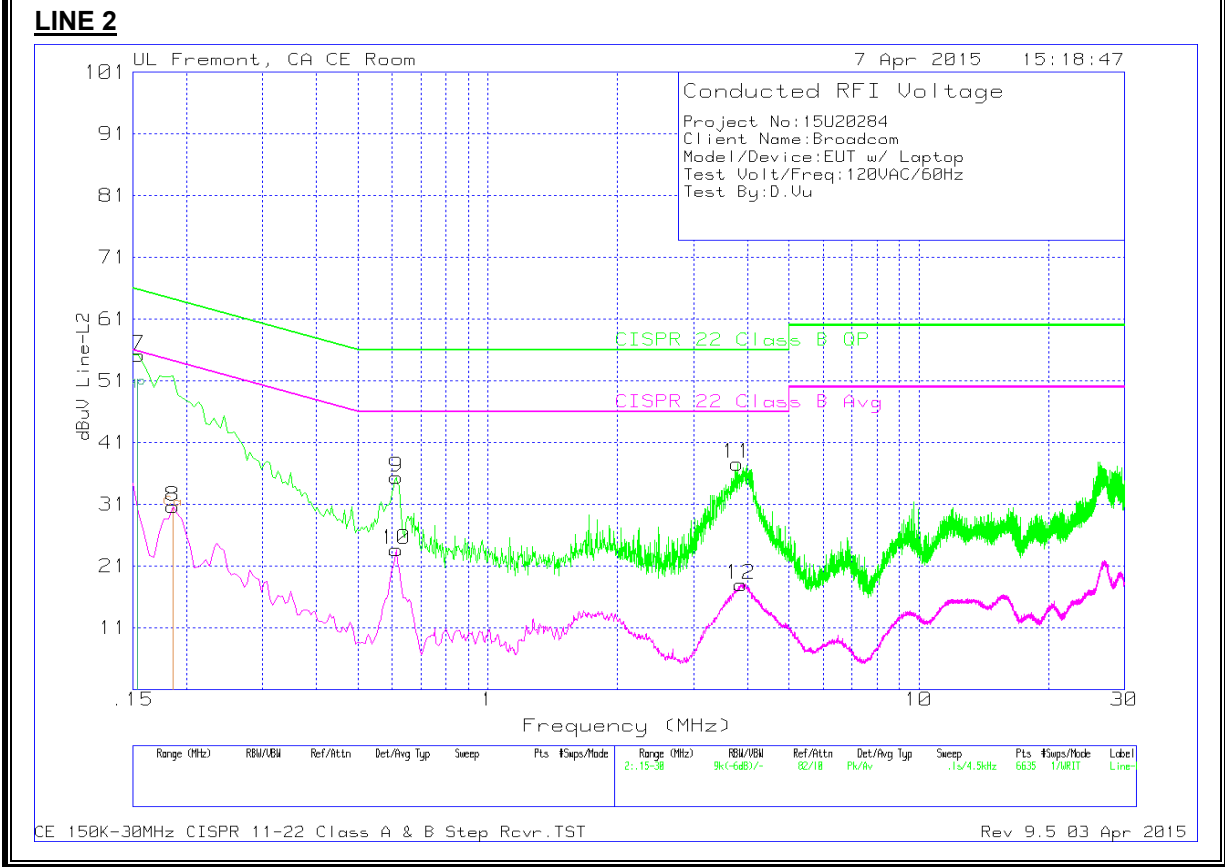
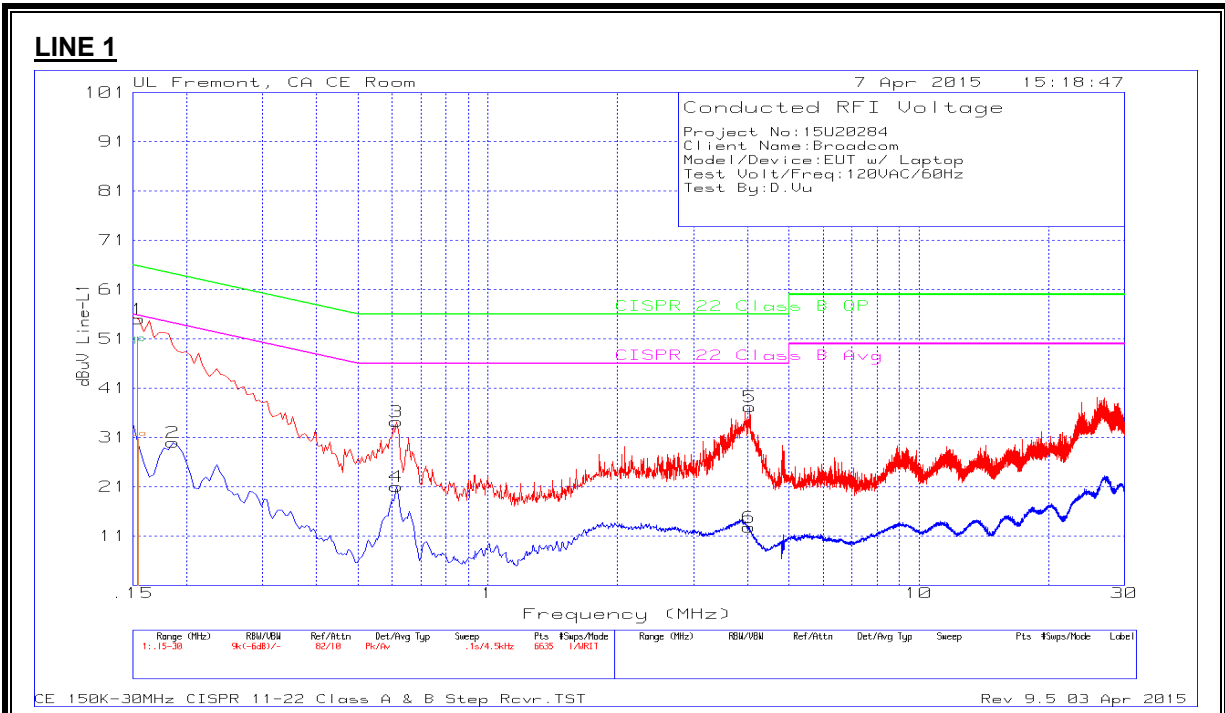
FCC §15.207 (a)

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

* Decreases with the logarithm of the frequency.

RESULTS

6 WORST EMISSION



Trace Markers

Range 1: Line-L1 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1	LC Cables 1&3	Corrected Reading dBuV	CISPR 22 Class B QP	Margin (dB)	CISPR 22 Class B Avg	Margin (dB)
1	.1545	53.74	Pk	1.3	0	55.04	-	-	55.75	-.71
2	.186	29.02	Av	1	0	30.02	64.21	-34.19	54.21	-24.19
3	.6135	33.92	Pk	.3	0	34.22	-	-	46	-11.78
4	.6135	20.76	Av	.3	0	21.06	56	-34.94	46	-24.94
5	4.056	36.91	Pk	.2	.1	37.21	-	-	46	-8.79
6	4.0335	12.49	Av	.2	.1	12.79	56	-43.21	46	-33.21

Range 2: Line-L2 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2	LC Cables 2&3	Corrected Reading dBuV	CISPR 22 Class B QP	Margin (dB)	CISPR 22 Class B Avg	Margin (dB)
7	.1545	53.77	Pk	1.4	0	55.17	-	-	55.75	-.58
8	.186	29.54	Av	1.1	0	30.64	64.21	-33.57	54.21	-23.57
9	.6135	35.09	Pk	.3	0	35.39	-	-	46	-10.61
10	.6135	23.35	Av	.3	0	23.65	56	-32.35	46	-22.35
11	3.7905	37.3	Pk	.2	.1	37.6	-	-	46	-8.4
12	3.867	17.7	Av	.2	.1	18	56	-38	46	-28

Pk - Peak detector

Av - Average detection