

9. RADIATED TEST RESULTS

9.1. LIMITS AND PROCEDURE

LIMITS

FCC §15.205 and §15.209

Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane for measurement below 1GHz; 1.5 m above the ground plane for measurement above 1GHz. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and as applicable for average measurements.

The spectrum from 30 MHz to 40 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band.

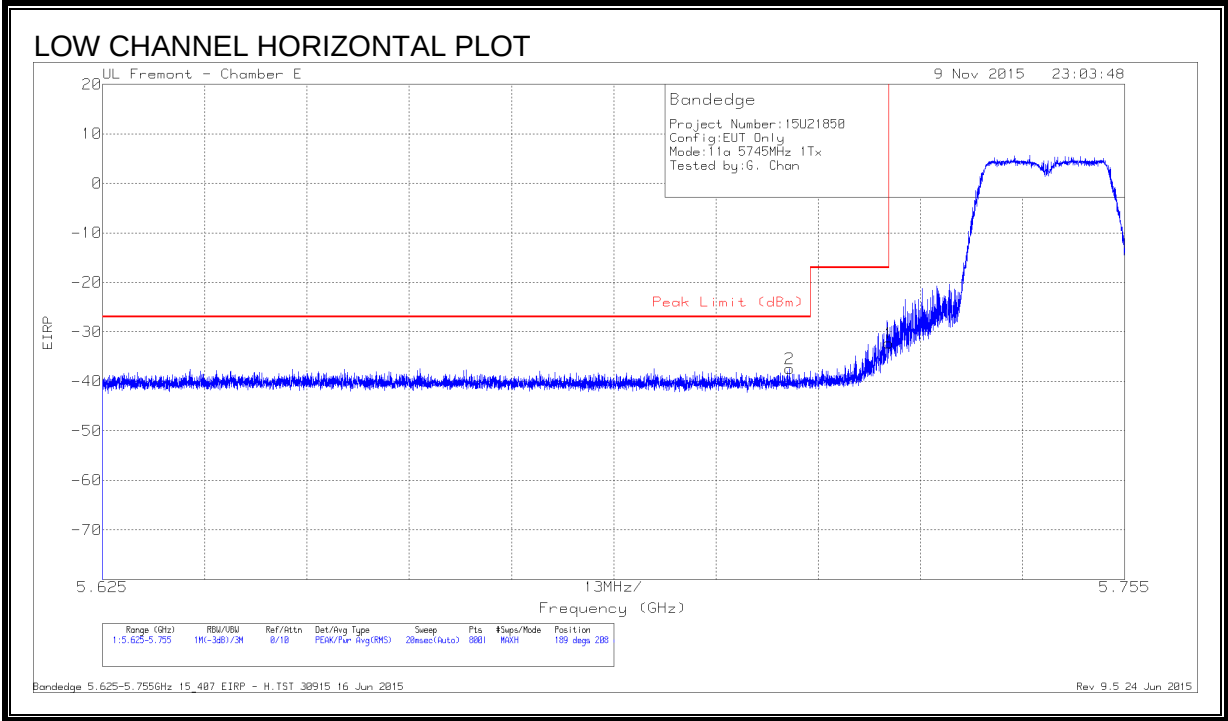
The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions.

Radiated emission were performed with the EUT set to transmit at the channel with highest output power as worst-case scenario.

9.2.802.11a 1Tx MODE IN THE 5.8 GHz BAND

9.2.1. CHAIN 0, RESTRICTED BANDEDGE AND HARMONIC SPURIOUS

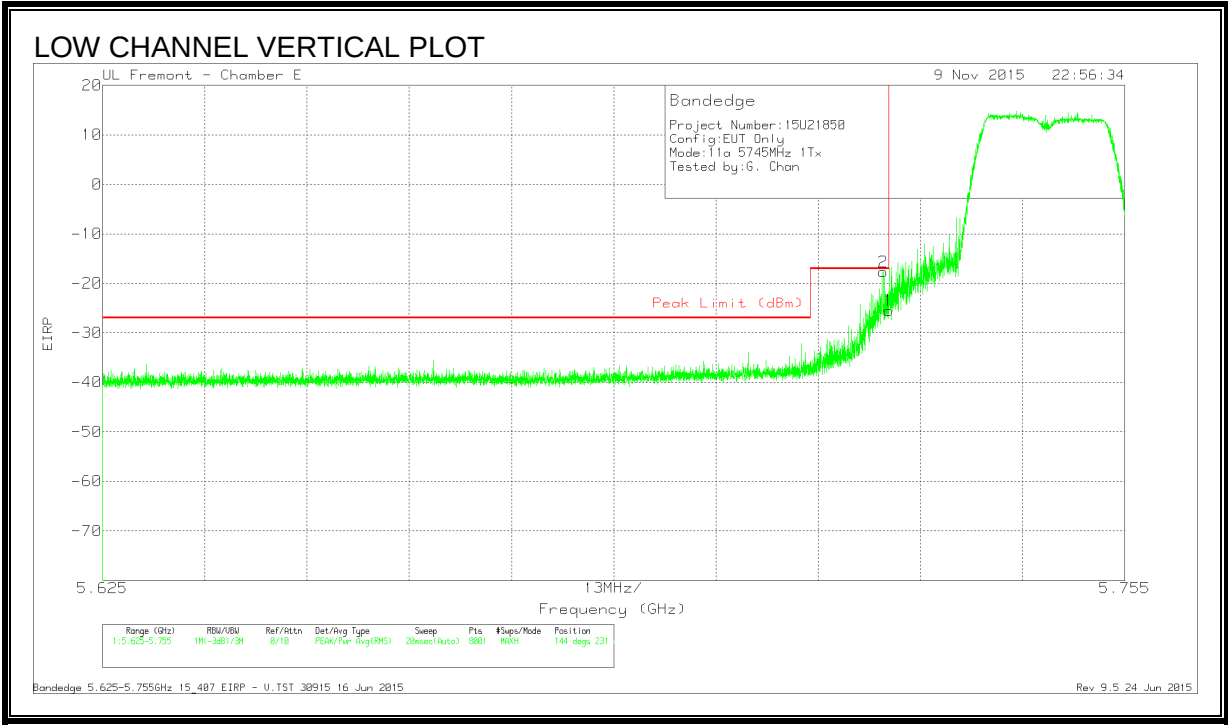
LOW CHANNEL



DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T346 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.712	-63.87	Pk	34.7	-20.1	11.8	-37.47	-27	-10.47	189	208	H
1	5.725	-58.65	Pk	34.7	-20.1	11.8	-32.25	-17	-15.25	189	208	H

Pk - Peak detector

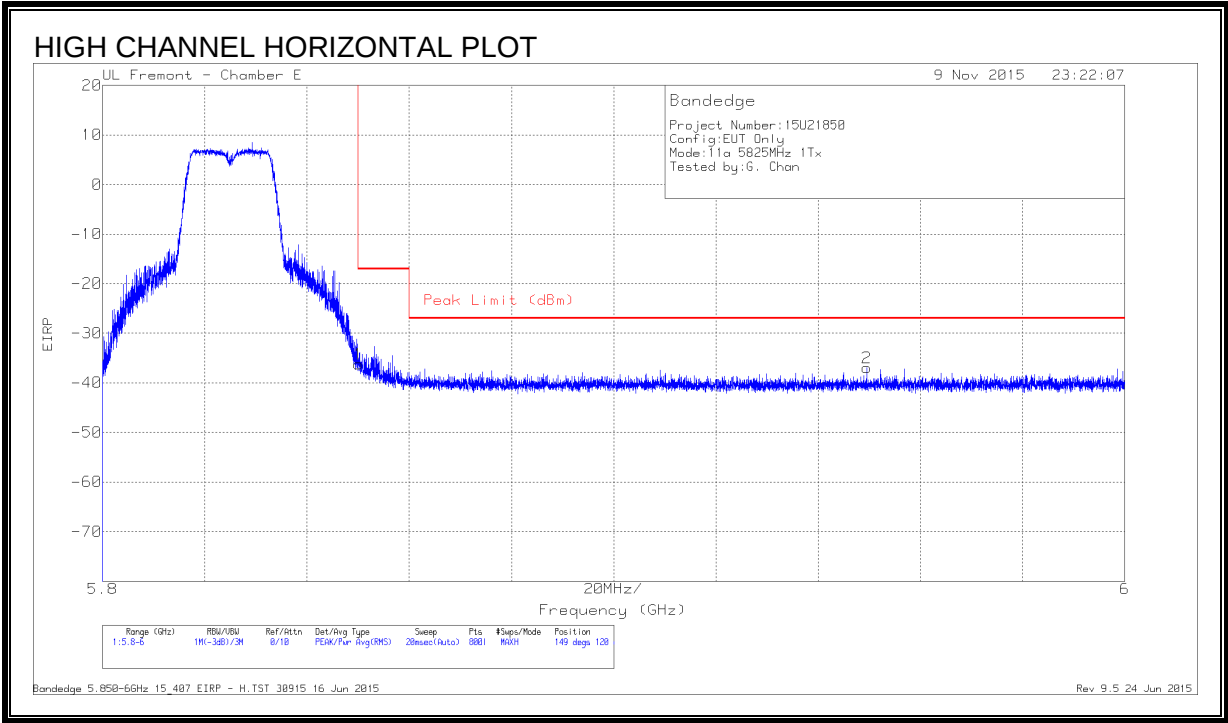


DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T346 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.724	-44.08	Pk	34.7	-20.1	11.8	-17.68	-17	-.68	144	231	V
1	5.725	-51.87	Pk	34.7	-20.1	11.8	-25.47	-17	-8.47	144	231	V

Pk - Peak detector

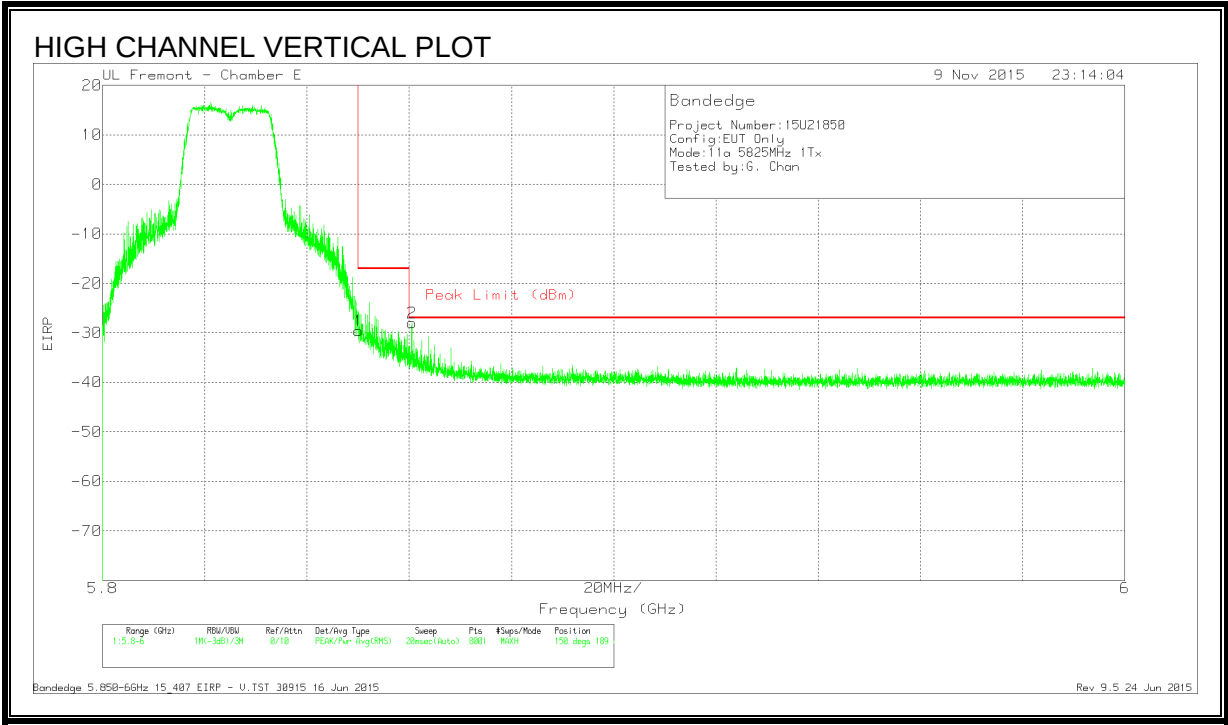
RESTRICTED BANDEDGE, CHAIN 0 (HIGH CHANNEL)



DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T346 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-62.6	Pk	34.9	-20.3	11.8	-36.2	-17	-19.2	149	120	H
2	5.95	-63.52	Pk	35	-20.2	11.8	-36.92	-27	-9.92	149	120	H

Pk - Peak detector

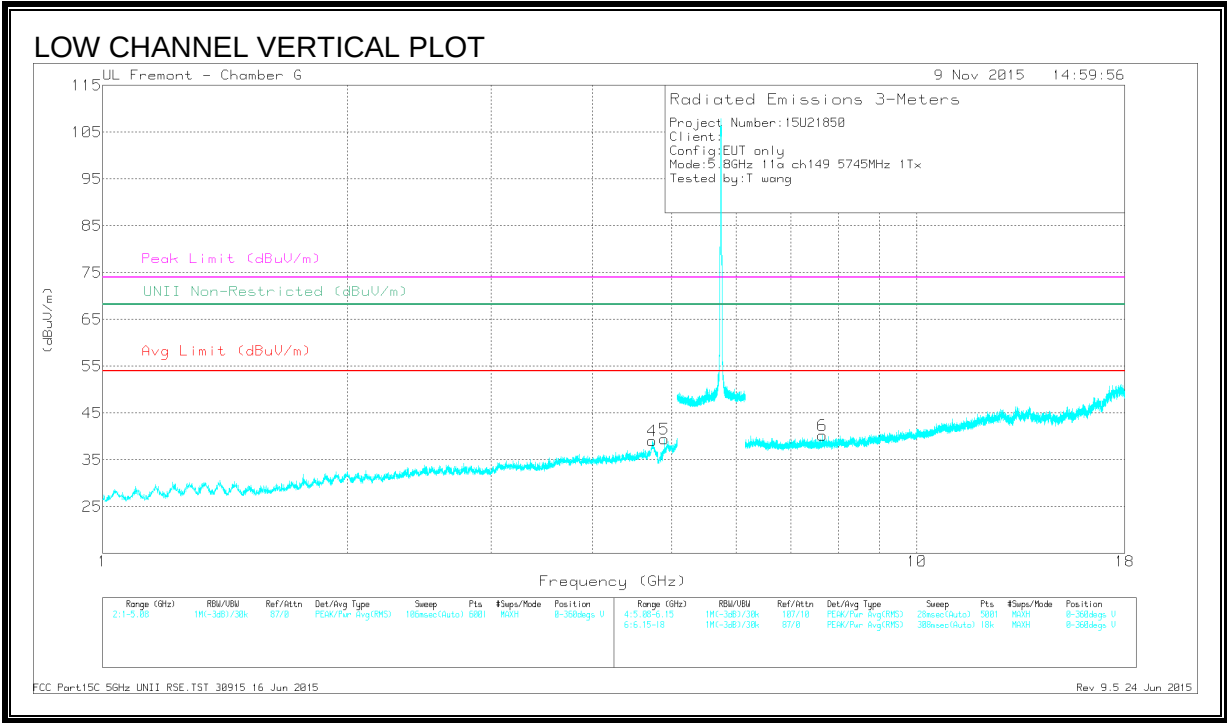
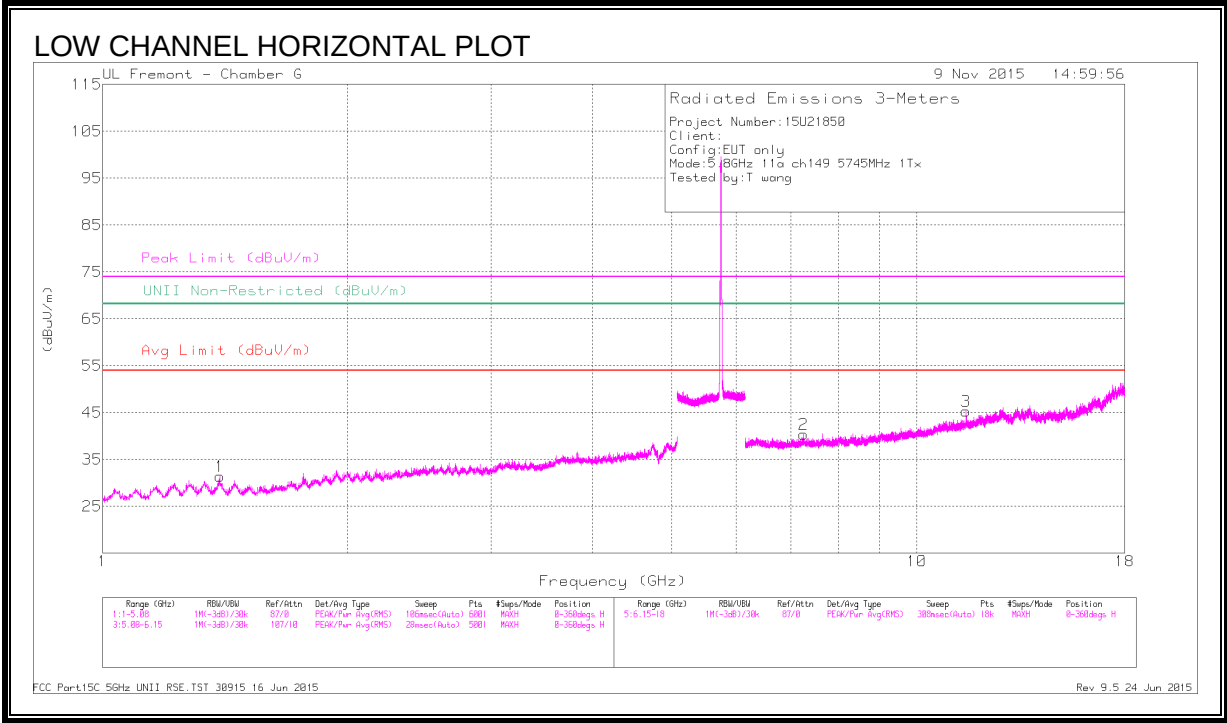


DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AFT346 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-55.97	Pk	34.9	-20.3	11.8	-29.57	-17	-12.57	150	189	V
2	5.861	-54.32	Pk	34.9	-20.4	11.8	-28.02	-27	-1.02	150	189	V

Pk - Peak detector

LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

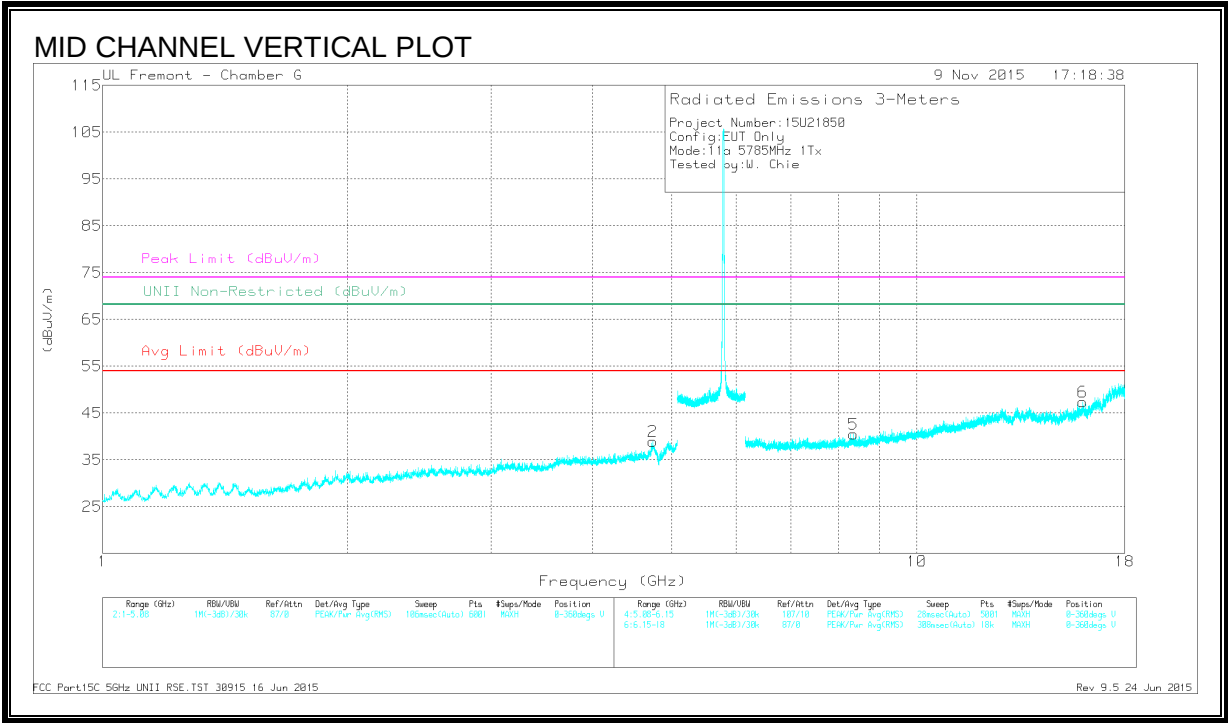
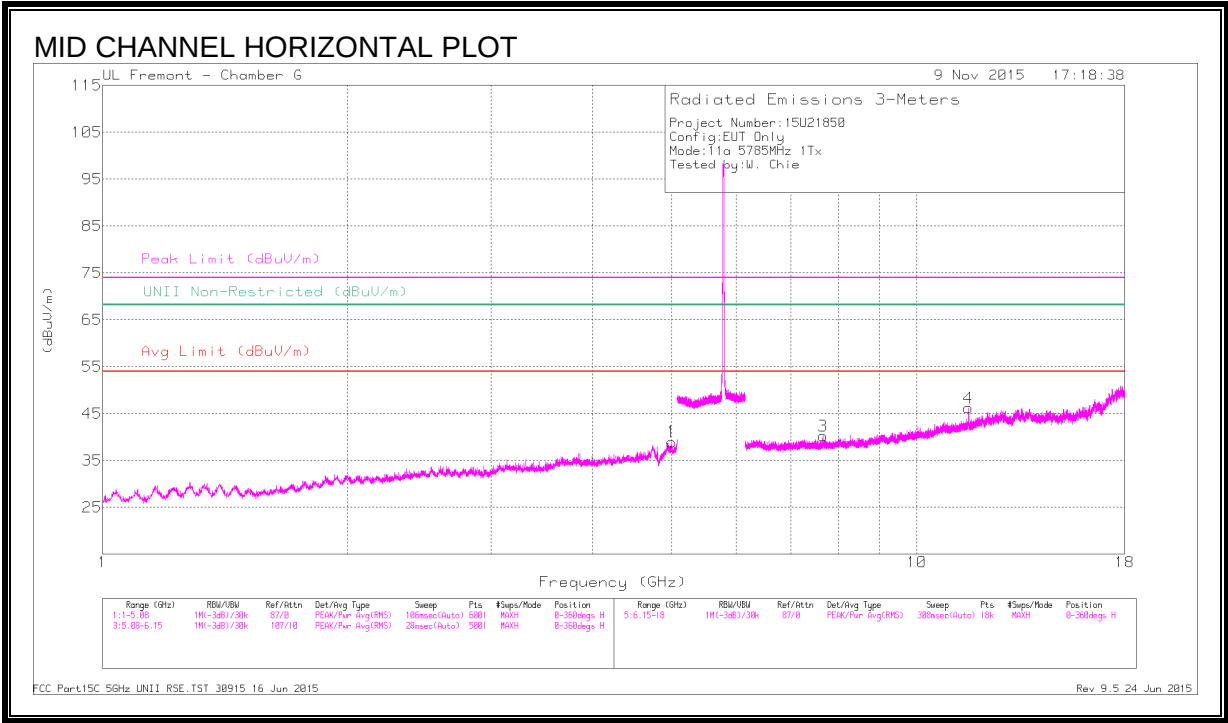
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.394	43.96	PK-U	28.8	-34.6	38.16	-	-	74	-35.84	-	-	213	230	H
	* 1.393	32.11	ADR	28.8	-34.6	26.31	54	-27.69	-	-	-	-	213	230	H
4	* 4.731	43.84	PK-U	33.9	-31.8	45.94	-	-	74	-28.06	-	-	337	171	V
	* 4.729	31.96	ADR	33.9	-31.8	34.06	54	-19.94	-	-	-	-	337	171	V
5	* 4.894	40.39	PK-U	34.1	-31.5	42.99	-	-	74	-31.01	-	-	341	175	V
	* 4.894	29.41	ADR	34.1	-31.5	32.01	54	-21.99	-	-	-	-	341	175	V
3	* 11.491	41.69	PK-U	38.2	-26	53.89	-	-	74	-20.11	-	-	148	194	H
	* 11.49	29.88	ADR	38.2	-26	42.08	54	-11.92	-	-	-	-	148	194	H
2	* 7.265	41.53	PK-U	35.6	-30.5	46.63	-	-	74	-27.37	-	-	137	183	H
	* 7.265	30.2	ADR	35.6	-30.5	35.3	54	-18.7	-	-	-	-	137	183	H
6	* 7.66	40.89	PK-U	35.6	-30.1	46.39	-	-	74	-27.61	-	-	346	177	V
	* 7.66	29.75	ADR	35.6	-30.1	35.25	54	-18.75	-	-	-	-	346	177	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

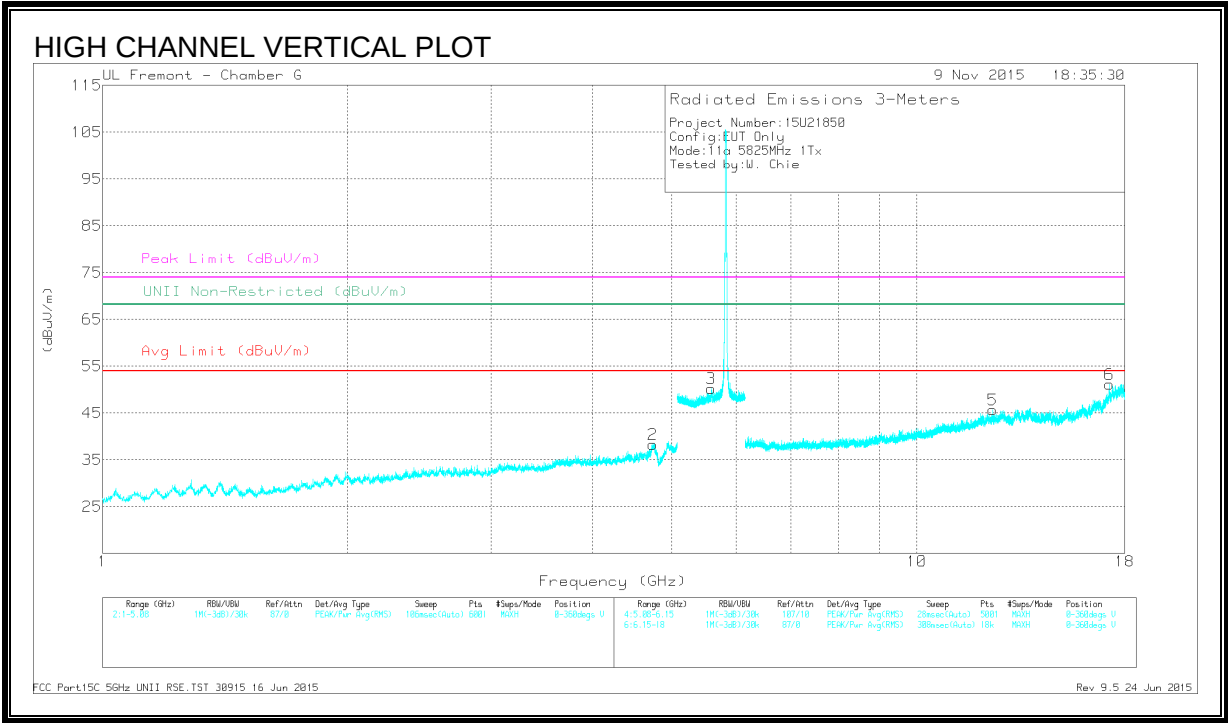
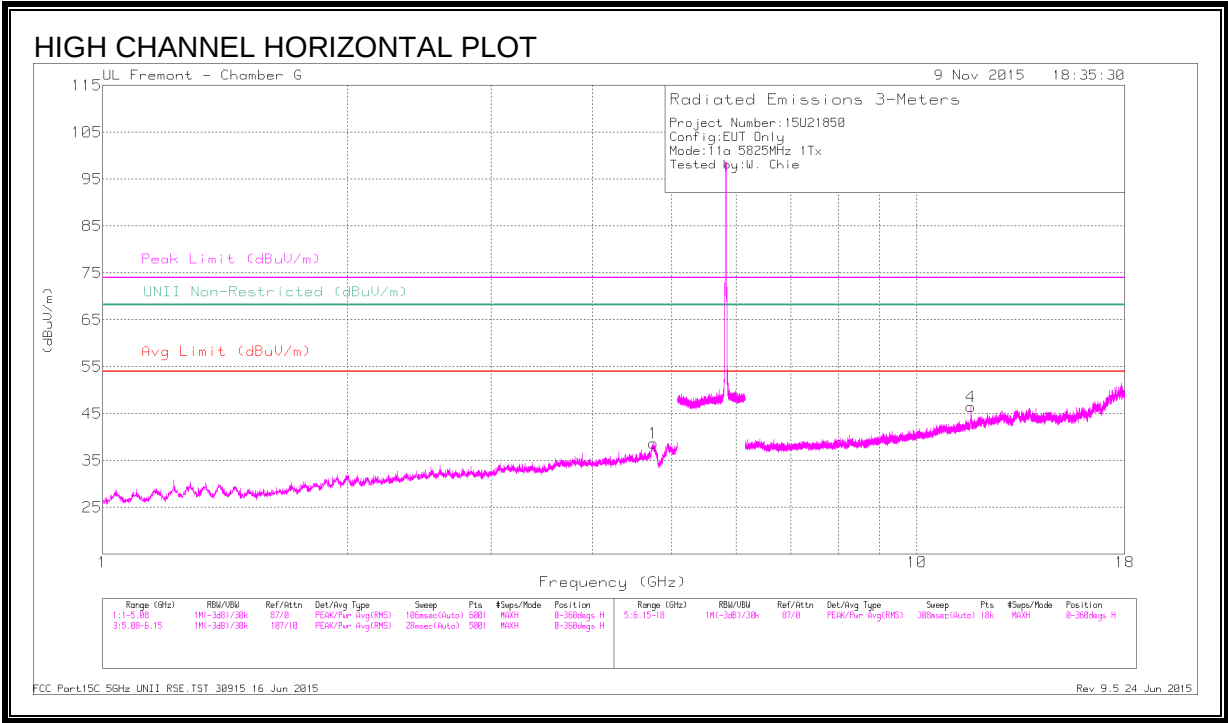
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.999	45.22	PK-U	34.2	-31.5	47.92	-	-	74	-26.08	-	-	230	158	H
	* 4.996	31.58	ADR	34.2	-31.5	34.28	54	-19.72	-	-	-	-	230	158	H
2	* 4.74	44.67	PK-U	33.9	-31.8	46.77	-	-	74	-27.23	-	-	236	226	V
	* 4.741	32.68	ADR	33.9	-31.9	34.68	54	-19.32	-	-	-	-	236	226	V
3	* 7.664	40.52	PK-U	35.6	-30.1	46.02	-	-	74	-27.98	-	-	258	181	H
	* 7.667	28.99	ADR	35.6	-30.2	34.39	54	-19.61	-	-	-	-	258	181	H
4	* 11.568	41.22	PK-U	38.3	-26.2	53.32	-	-	74	-20.68	-	-	333	193	H
	* 11.57	29.8	ADR	38.3	-26.2	41.9	54	-12.1	-	-	-	-	333	193	H
5	* 8.363	40.07	PK-U	35.7	-29.5	46.27	-	-	74	-27.73	-	-	20	263	V
	* 8.362	28.5	ADR	35.7	-29.4	34.8	54	-19.2	-	-	-	-	20	263	V
6	* 15.983	38.55	PK-U	40.4	-25	53.95	-	-	74	-20.05	-	-	42	226	V
	* 15.985	27.13	ADR	40.4	-24.9	42.63	54	-11.37	-	-	-	-	42	226	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/FI tr/Pad (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	* 4.744	44.6	PK-U	33.9	-31.9	46.6	-	-	74	-27.4	-	-	86	141	H
	* 4.746	32.69	ADR	33.9	-32	34.59	54	-19.41	-	-	-	-	86	141	H
2	* 4.737	44.22	PK-U	33.9	-31.9	46.22	-	-	74	-27.78	-	-	40	183	V
	* 4.737	32.42	ADR	33.9	-31.9	34.42	54	-19.58	-	-	-	-	40	183	V
4	* 11.65	42.14	PK-U	38.4	-26.3	54.24	-	-	74	-19.76	-	-	356	201	H
	* 11.649	29.86	ADR	38.4	-26.3	41.96	54	-12.04	-	-	-	-	356	201	H
5	* 12.381	38.54	PK-U	39	-25.3	52.24	-	-	74	-21.76	-	-	0	312	V
	* 12.382	26.44	ADR	39	-25.3	40.14	54	-13.86	-	-	-	-	0	312	V
3	5.595	44.17	PK-U	34.9	-23.1	55.97	-	-	-	-	68.2	-12.23	94	192	V
6	17.238	37.13	PK-U	41.2	-21.2	57.13	-	-	-	-	68.2	-11.07	59	184	V

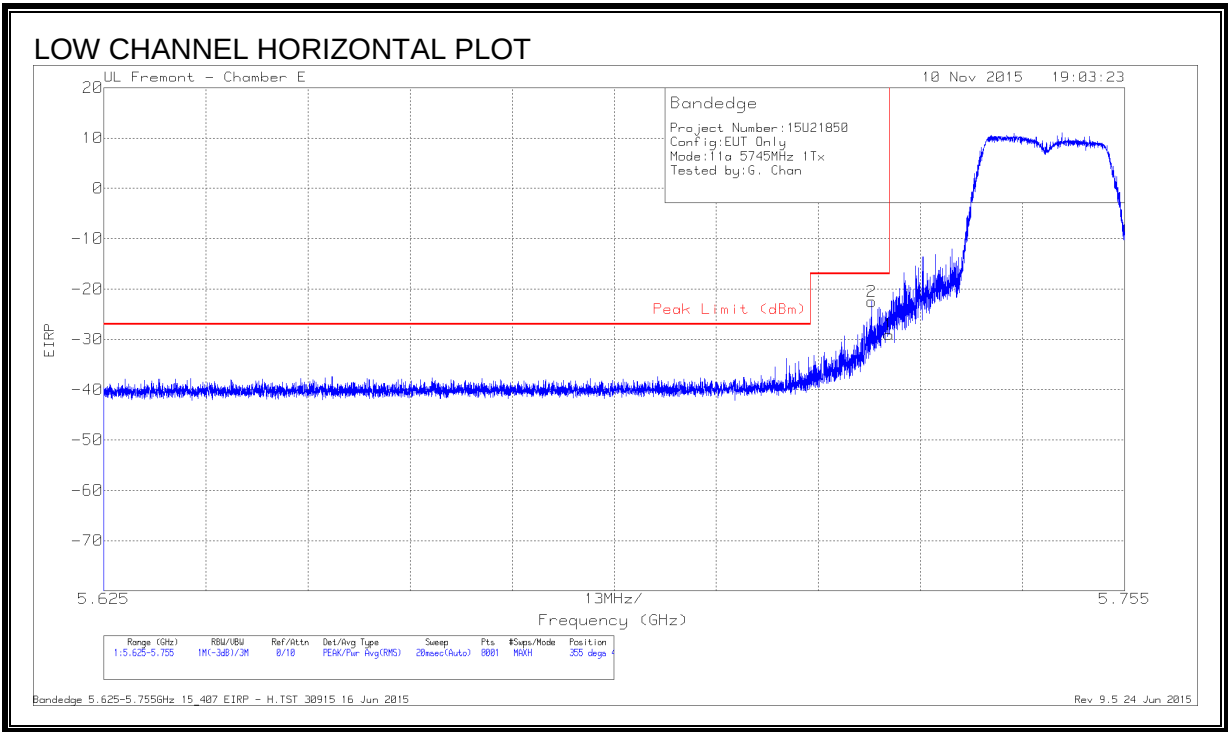
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

9.2.2. CHAIN 1, RESTRICTED BANDEGE AND HARMONIC SPURIOUS

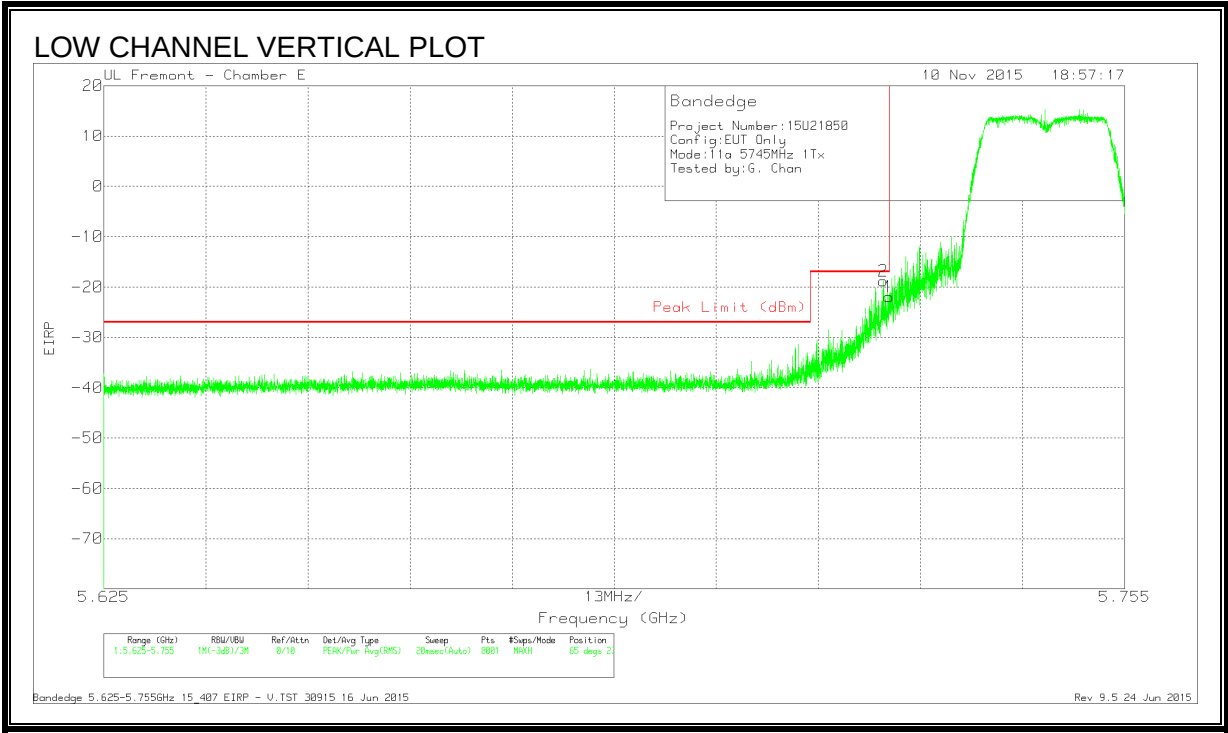
LOW CHANNEL



DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T346 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.723	-48.89	Pk	34.7	-20.1	11.8	-22.49	-17	-5.49	355	402	H
1	5.725	-55.45	Pk	34.7	-20.1	11.8	-29.05	-17	-12.05	355	402	H

Pk - Peak detector

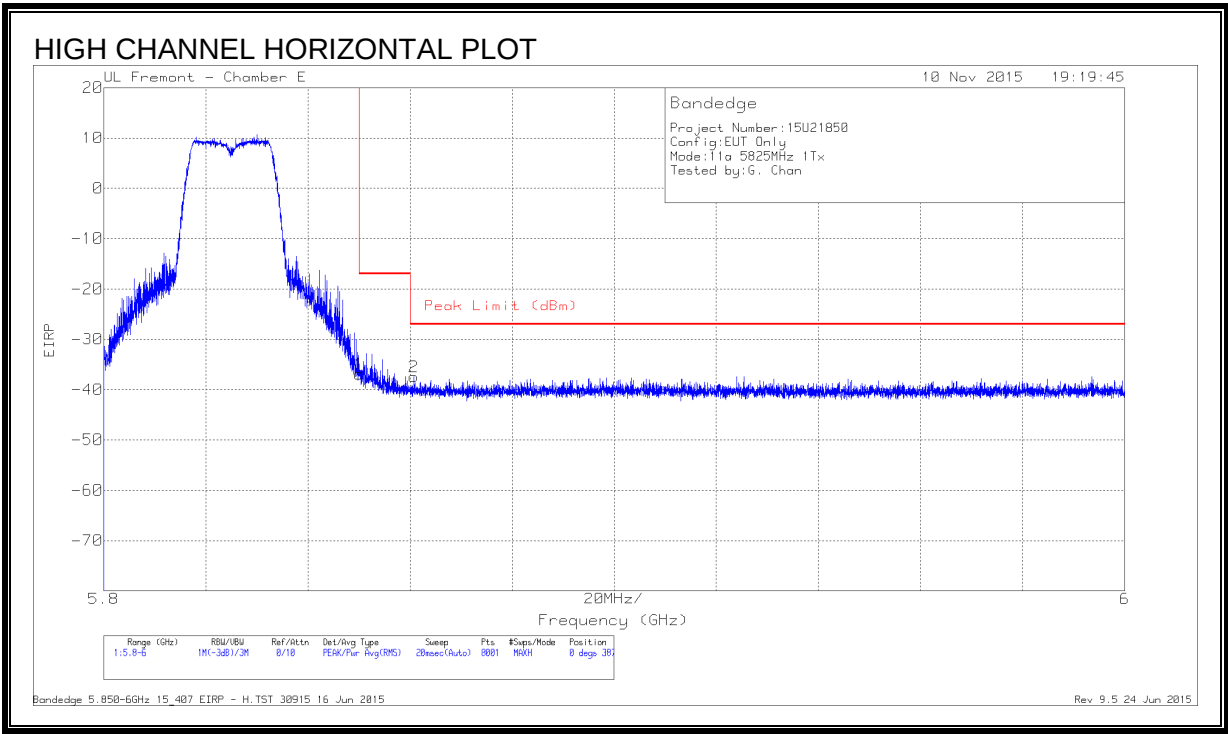


DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T346 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.724	-45.19	Pk	34.7	-20.1	11.8	-18.79	-17	-1.79	65	230	V
1	5.725	-48.31	Pk	34.7	-20.1	11.8	-21.91	-17	-4.91	65	230	V

Pk - Peak detector

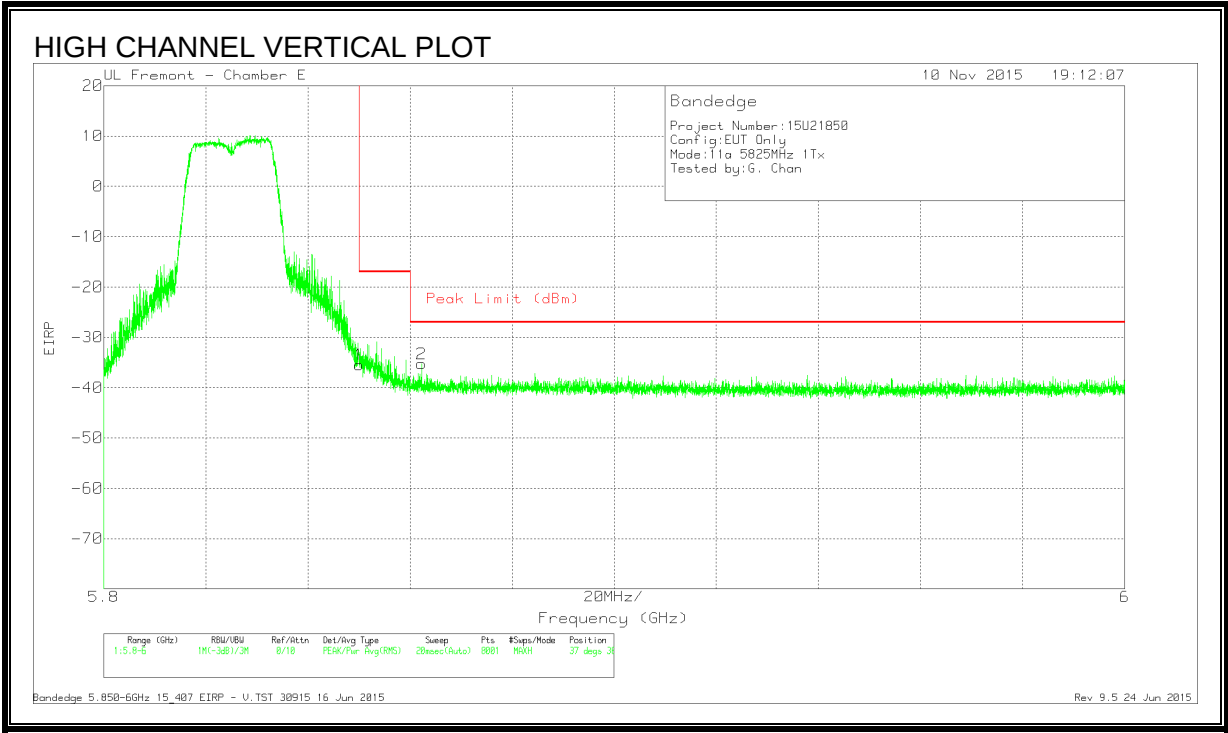
RESTRICTED BANDEDGE, CHAIN 1 (HIGH CHANNEL)



DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AFT346 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-63.28	Pk	34.9	-20.3	11.8	-36.88	-17	-19.88	0	387	H
2	5.861	-63.72	Pk	34.9	-20.4	11.8	-37.42	-27	-10.42	0	387	H

Pk - Peak detector

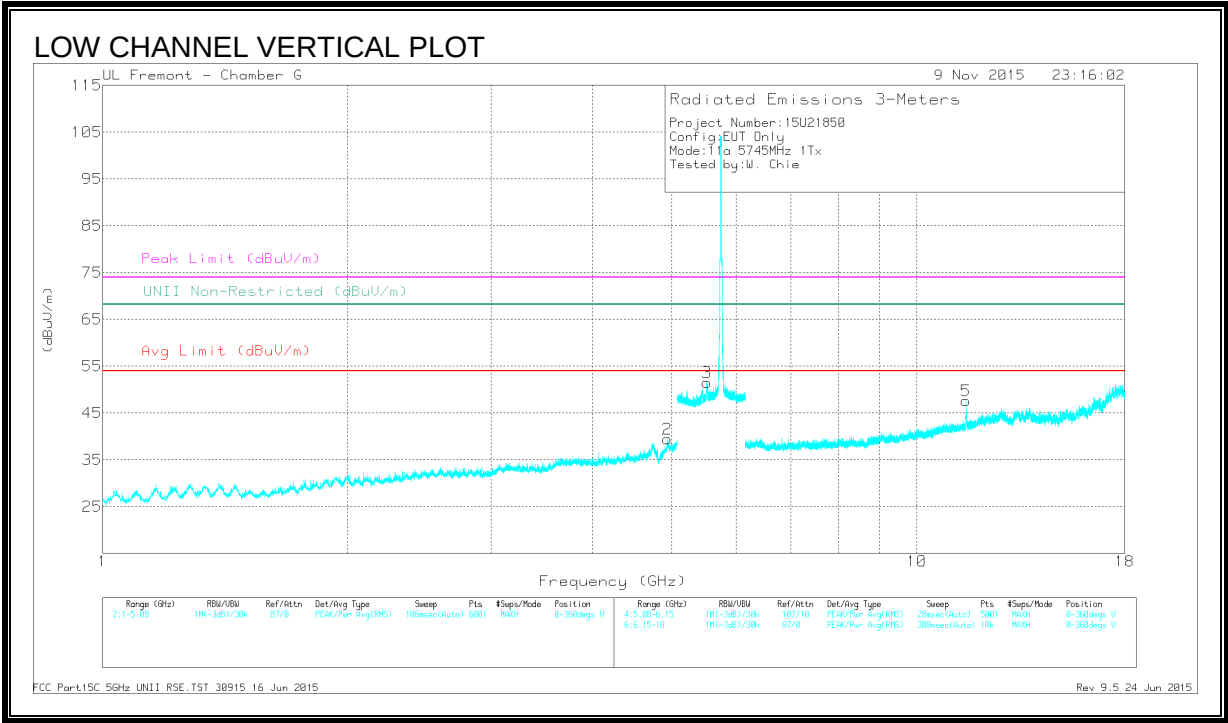
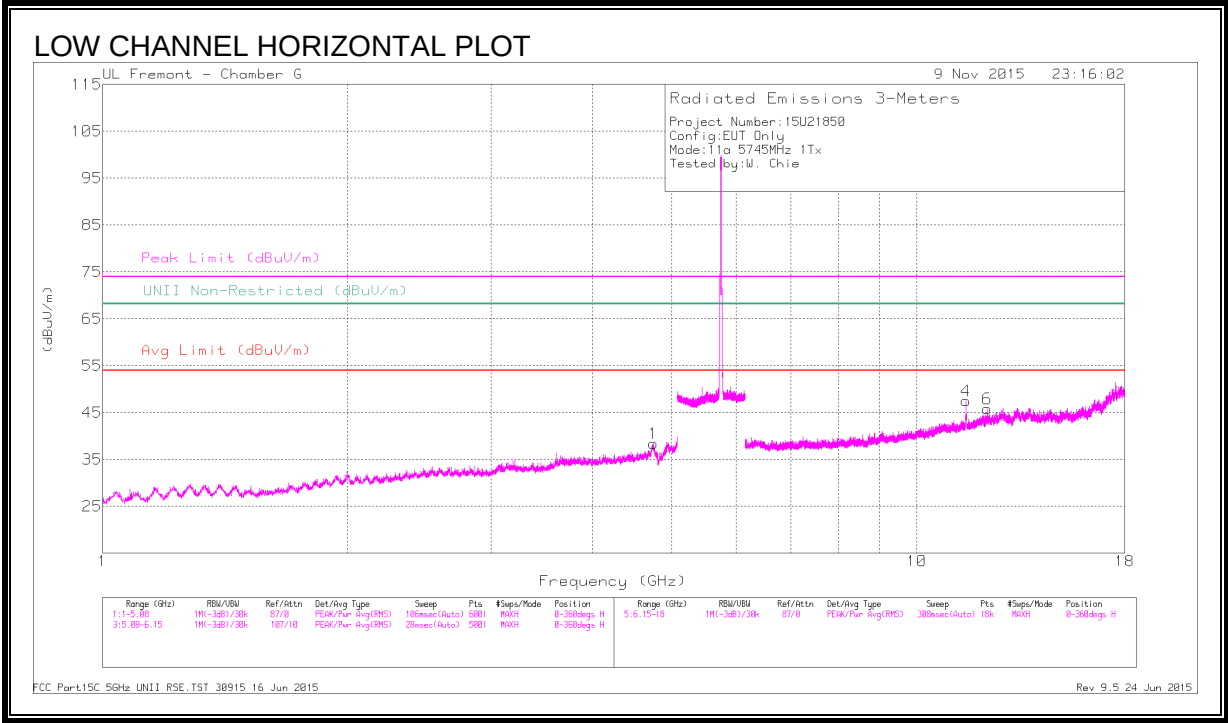


DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T346 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-61.84	Pk	34.9	-20.3	11.8	-35.44	-17	-18.44	37	368	V
2	5.862	-61.58	Pk	34.9	-20.4	11.8	-35.28	-27	-8.28	37	368	V

Pk - Peak detector

LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

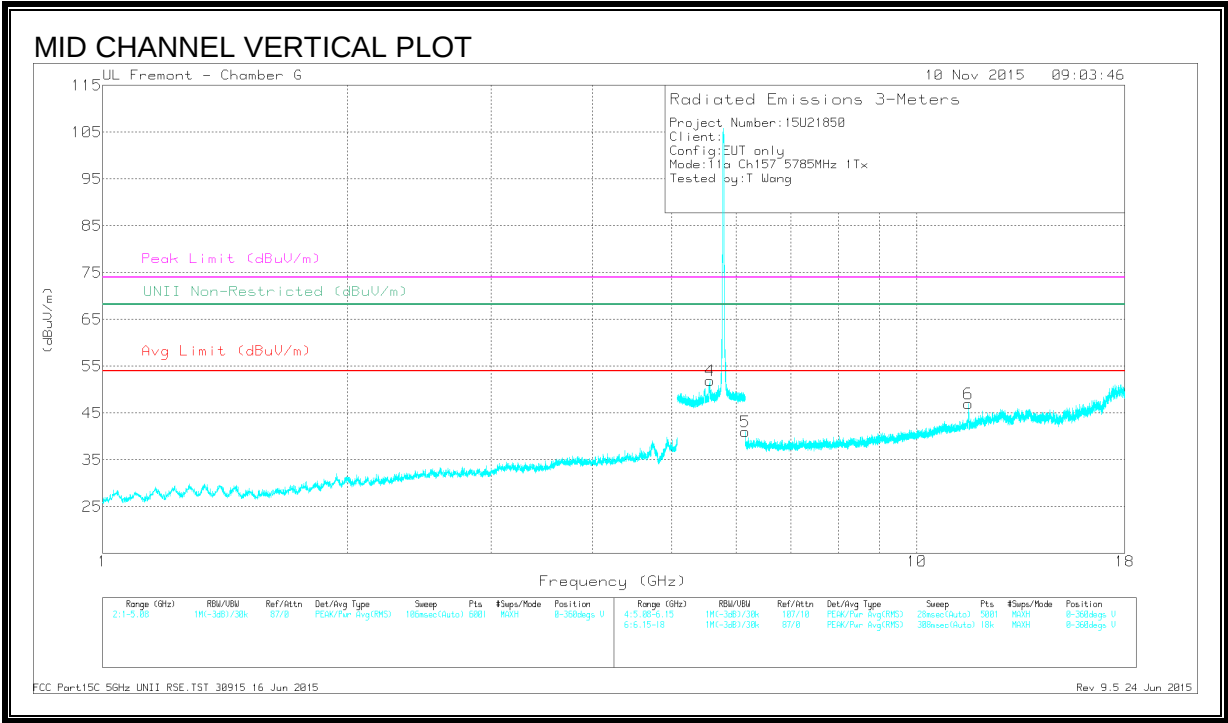
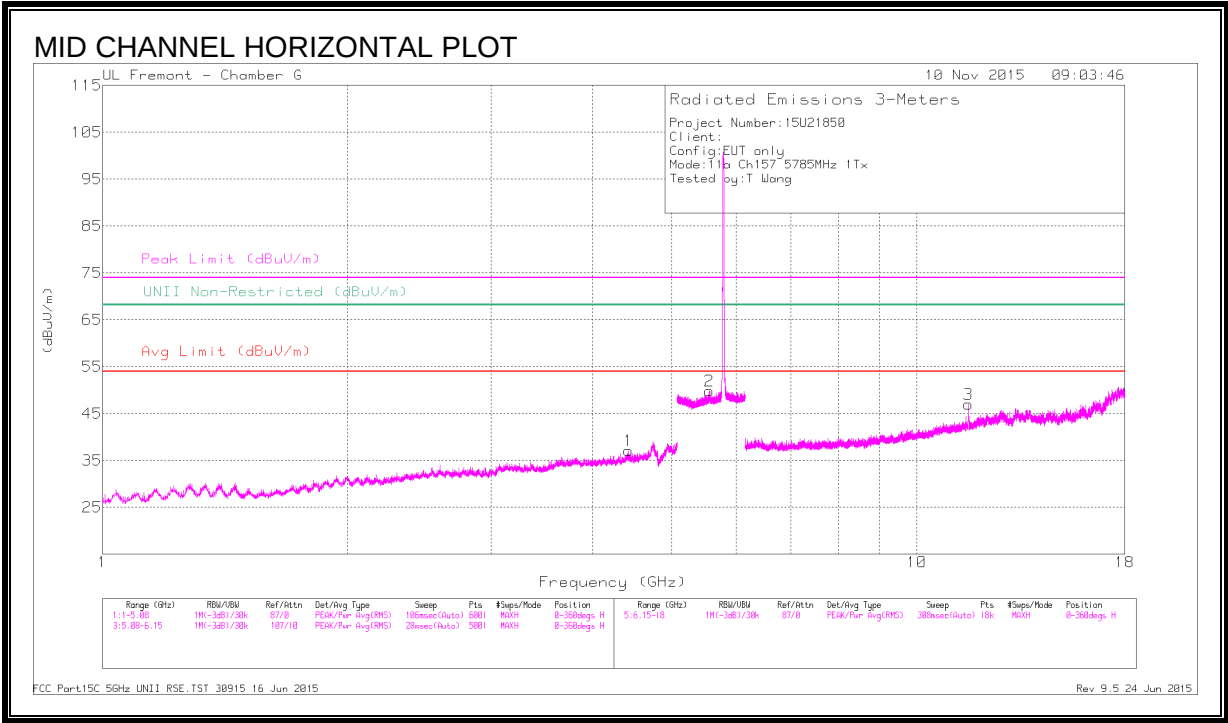
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl /Rtr/Pad (dB)	Fixture Corr (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV /m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.75	44.14	PK-U	33.9	-32	0	0	46.04	-	-	74	-27.96	-	-	27	158	H
	* 4.749	32.57	ADR	33.9	-32	0	0	34.47	54	-19.53	-	-	-	-	27	158	H
2	* 4.94	42.78	PK-U	34.1	-31.2	0	0	45.68	-	-	74	-28.32	-	-	10	214	V
	* 4.94	31.33	ADR	34.1	-31.2	0	0	34.23	54	-19.77	-	-	-	-	10	214	V
4	* 11.488	41.97	PK-U	38.2	-26	0	0	54.17	-	-	74	-19.83	-	-	0	196	H
	* 11.489	30.41	ADR	38.2	-26	0	0	42.61	54	-11.39	-	-	-	-	0	196	H
6	* 12.205	37.86	PK-U	39	-24.9	0	0	51.96	-	-	74	-22.04	-	-	14	186	H
	* 12.204	26.12	ADR	39	-24.9	0	0	40.22	54	-13.78	-	-	-	-	14	186	H
5	* 11.494	40.52	PK-U	38.2	-25.9	0	0	52.82	-	-	74	-21.18	-	-	139	100	V
	* 11.49	28.78	ADR	38.2	-26	0	0	40.98	54	-13.02	-	-	-	-	139	100	V
3	5.525	44.37	PK-U	34.7	-23	0	0	56.07	-	-	-	-	68.2	-12.13	158	172	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

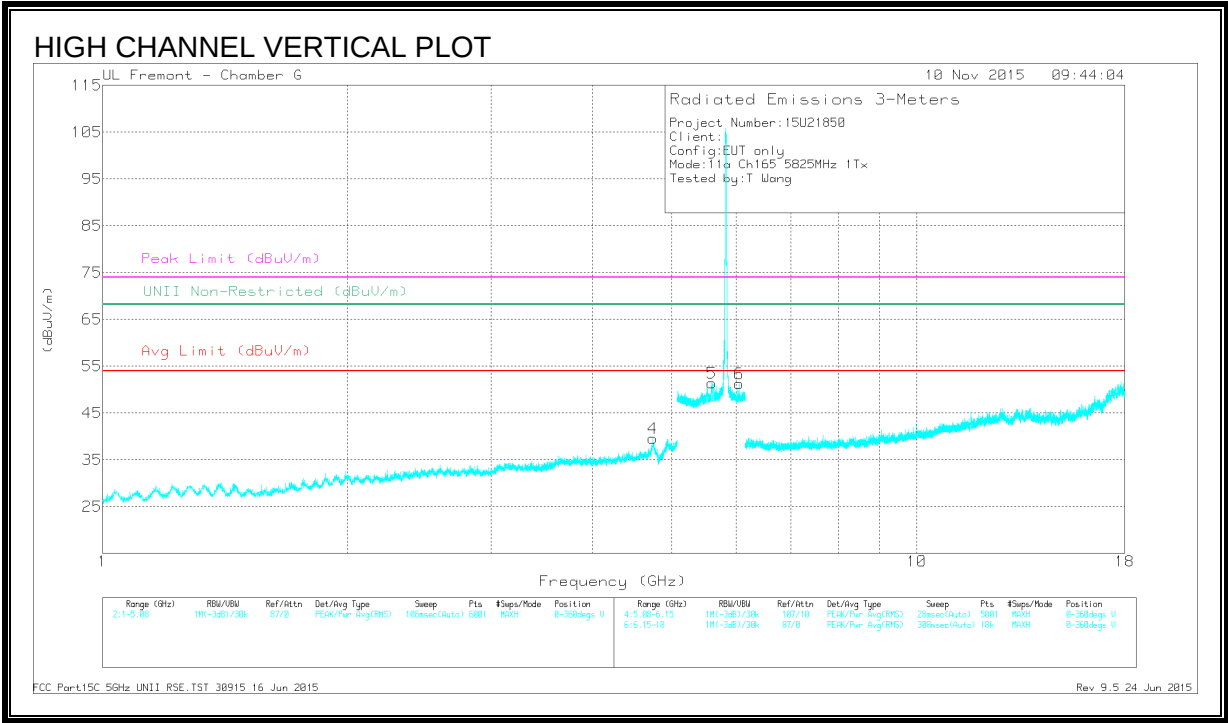
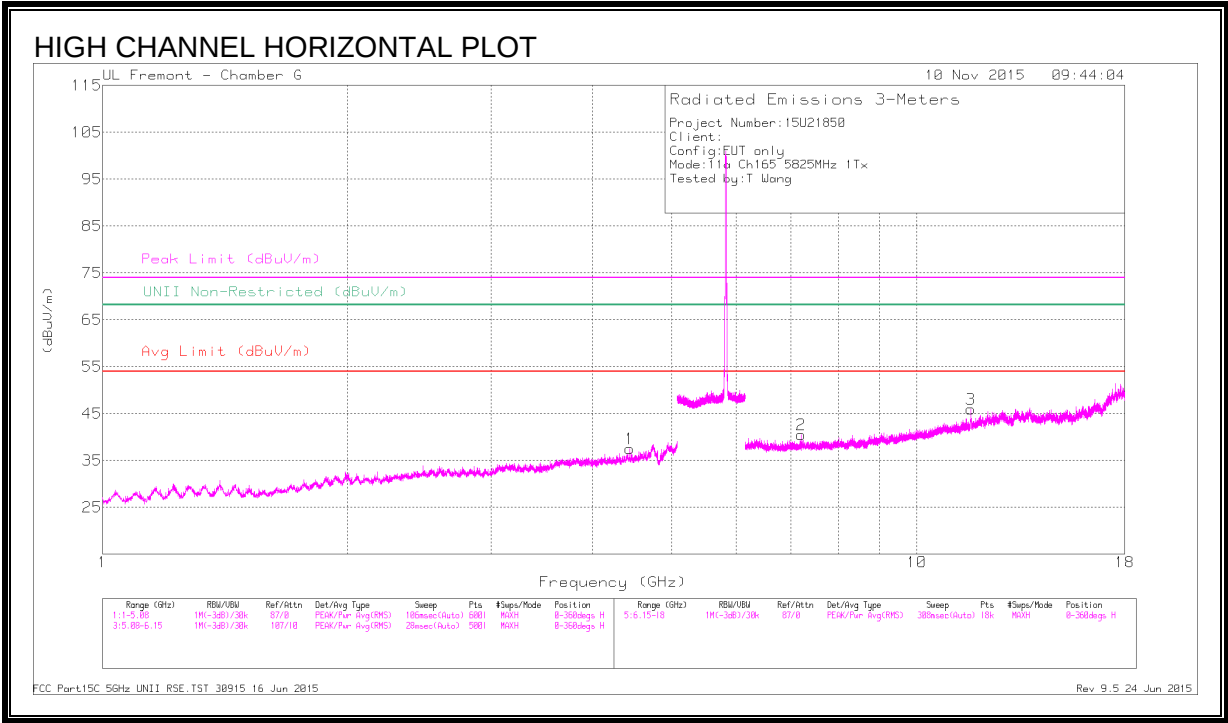
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fitter/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* 11.569	40.73	PK-U	38.3	-26.2	52.83	-	-	74	-21.17	-	-	329	238	H
	* 11.569	28.79	ADR	38.3	-26.2	40.89	54	-13.11	-	-	-	-	329	238	H
6	* 11.571	42.08	PK-U	38.3	-26.2	54.18	-	-	74	-19.82	-	-	179	100	V
	* 11.57	30.48	ADR	38.3	-26.2	42.58	54	-11.42	-	-	-	-	179	100	V
1	4.422	41.98	PK-U	33.6	-32.3	43.28	-	-	-	-	68.2	-24.92	322	107	H
2	5.559	45.78	PK-U	34.8	-23	57.58	-	-	-	-	68.2	-10.62	314	103	H
4	5.566	47.6	PK-U	34.8	-23	59.4	-	-	-	-	68.2	-8.8	0	144	V
5	6.152	43.5	PK-U	35.4	-31.6	47.3	-	-	-	-	68.2	-20.9	22	137	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/FI tr/Pad (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
4	* 4.736	44.57	PK-U	33.9	-31.9	46.57	-	-	74	-27.43	-	-	23	133	V
	* 4.739	32.96	ADR	33.9	-31.9	34.96	54	-19.04	-	-	-	-	23	133	V
3	* 11.646	42.02	PK-U	38.4	-26.3	54.12	-	-	74	-19.88	-	-	348	183	H
	* 11.646	29.16	ADR	38.4	-26.3	41.26	54	-12.74	-	-	-	-	348	183	H
1	4.439	41.69	PK-U	33.6	-32.5	42.79	-	-	-	-	68.2	-25.41	37	179	H
5	5.6	47.12	PK-U	34.9	-23.1	58.92	-	-	-	-	68.2	-9.28	37	136	V
6	6.044	44.14	PK-U	35.3	-23	56.44	-	-	-	-	68.2	-11.76	41	135	V
2	7.207	40.63	PK-U	35.6	-30.4	45.83	-	-	-	-	68.2	-22.37	29	190	H

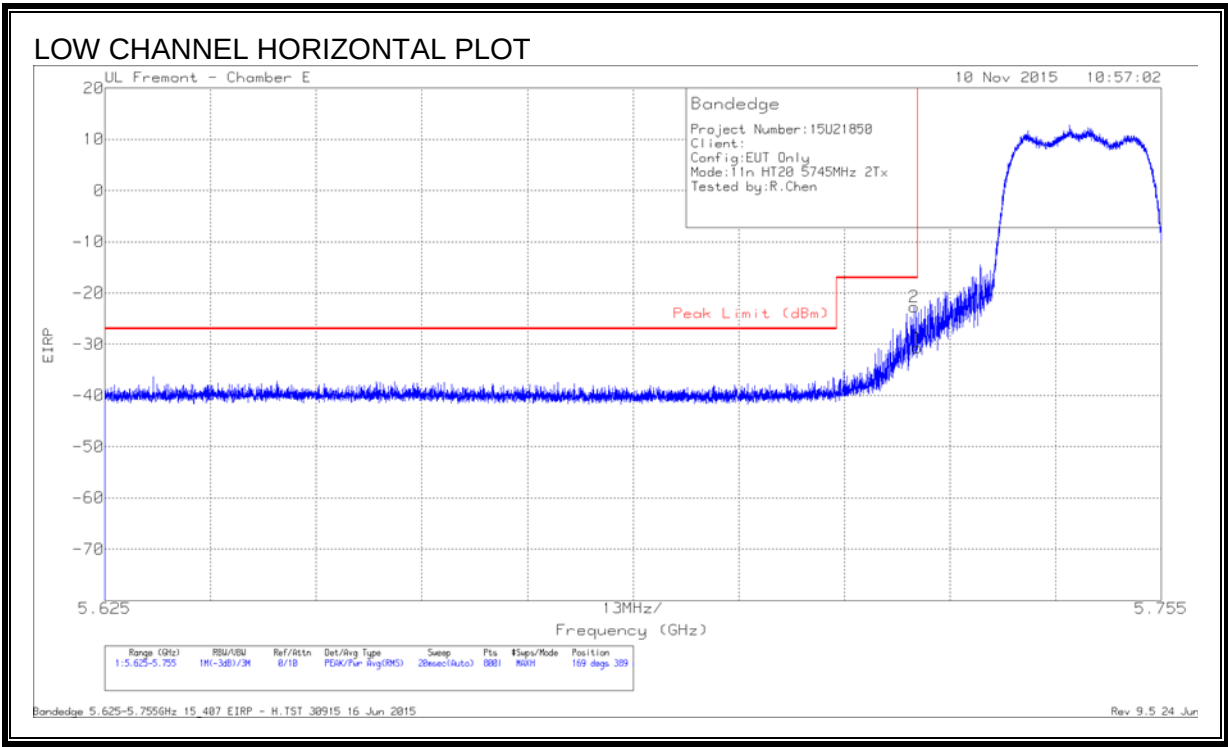
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

9.3. 802.11n HT20 2Tx CDD MODE IN THE 5.8 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

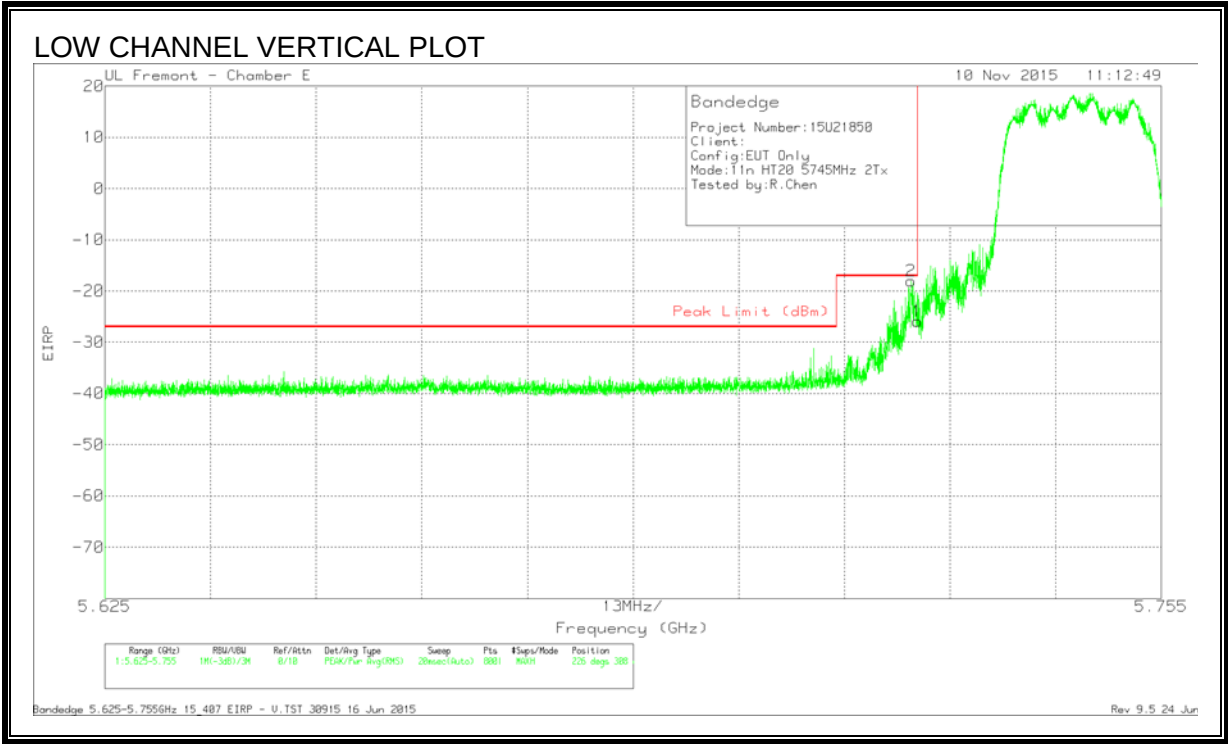


DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T346 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-57.06	Pk	34.7	-20.1	11.8	-30.66	-17	-13.66	169	389	H
2	5.725	-49.07	Pk	34.7	-20.1	11.8	-22.67	-17	-5.67	169	389	H

Pk - Peak detector



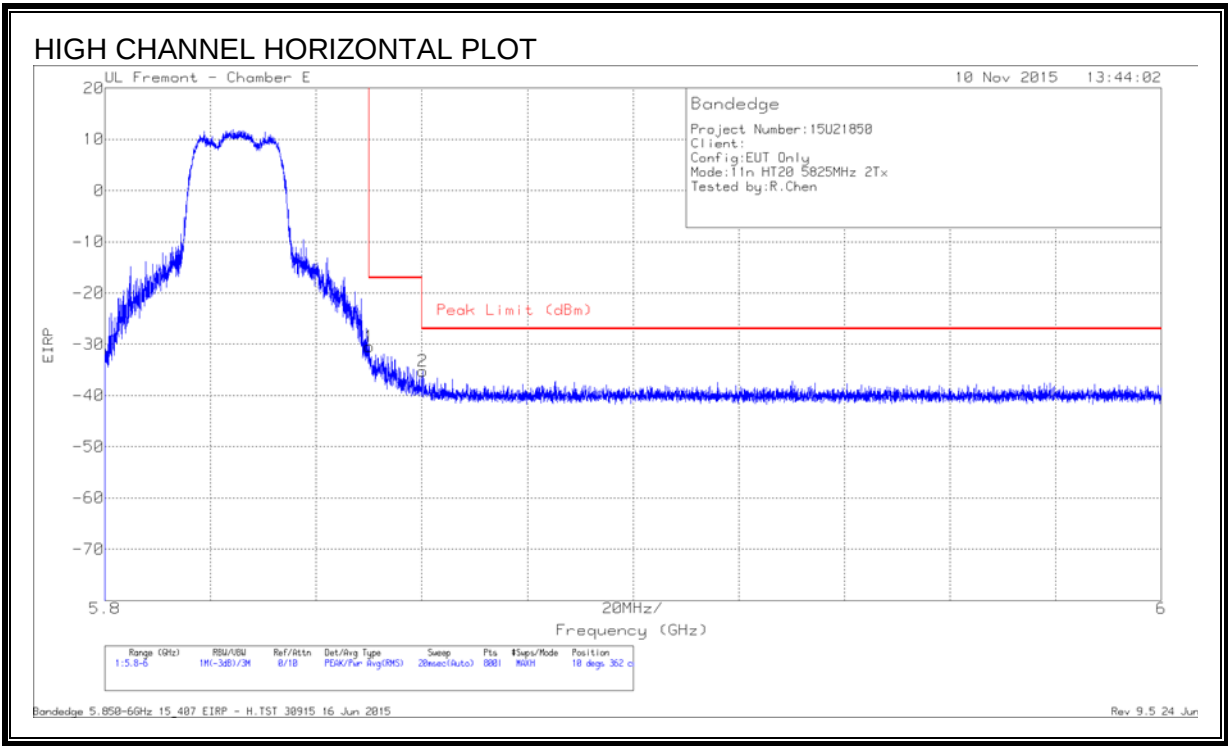
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Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T346 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.724	-44.4	Pk	34.7	-20.1	11.8	-18	-17	-1	226	308	V
1	5.725	-52.33	Pk	34.7	-20.1	11.8	-25.93	-17	-8.93	226	308	V

Pk - Peak detector

RESTRICTED BANDEDGE (HIGH CHANNEL)

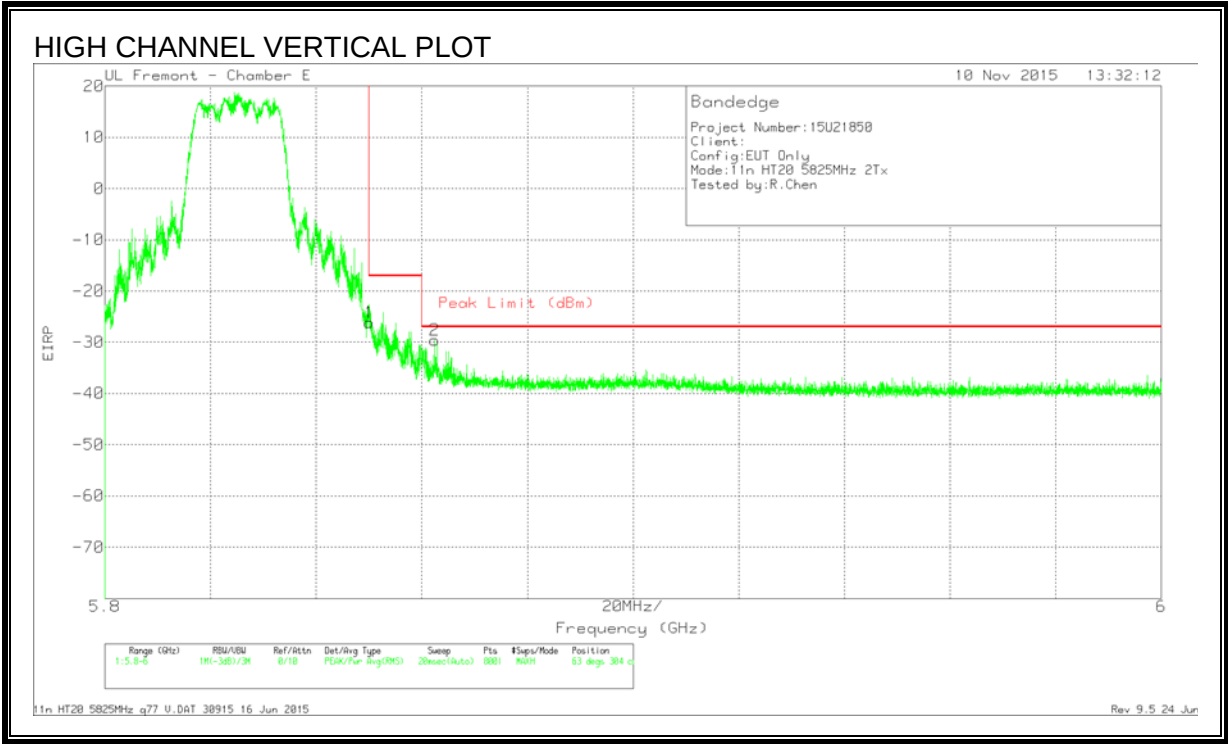


DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AFT346 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-56.8	Pk	34.9	-20.3	11.8	-30.4	-17	-13.4	10	362	H
2	5.86	-61.5	Pk	34.9	-20.4	11.8	-35.2	-27	-8.2	10	362	H

Pk - Peak detector



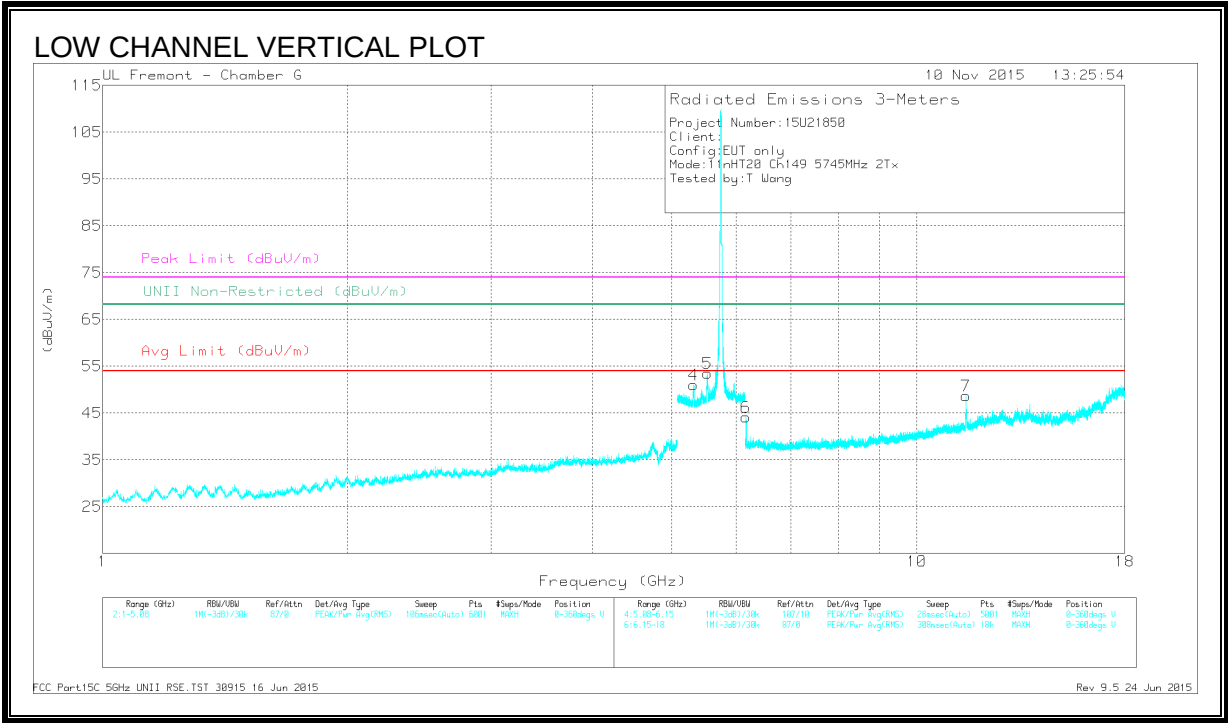
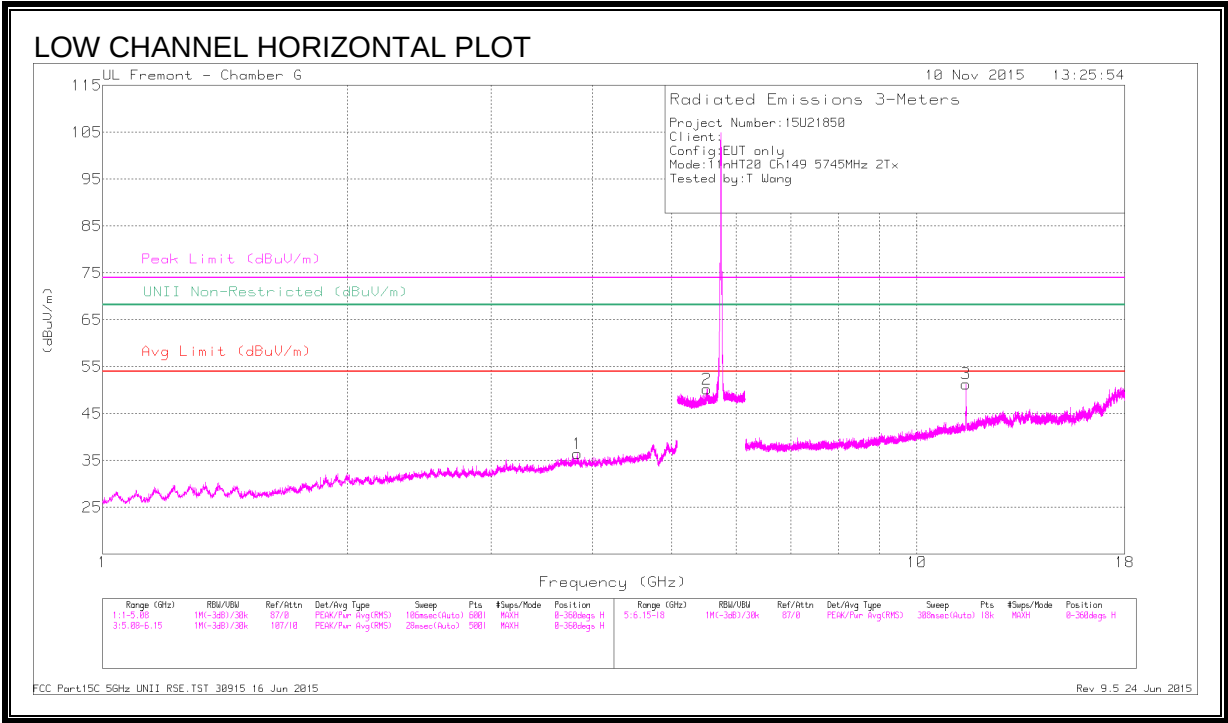
DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AFT346 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-52.49	Pk	34.9	-20.3	11.8	-26.09	-17	-9.09	63	304	V
2	5.862	-55.88	Pk	34.9	-20.4	11.8	-29.58	-27	-2.58	63	304	V

Pk - Peak detector

LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

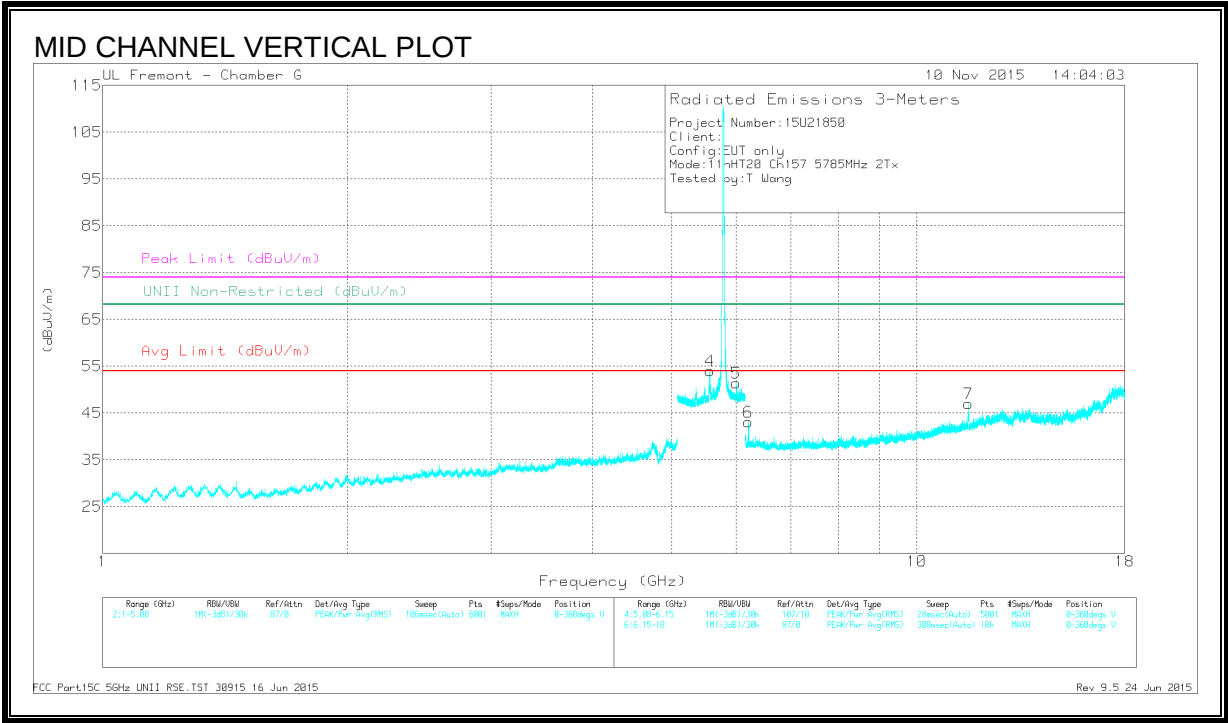
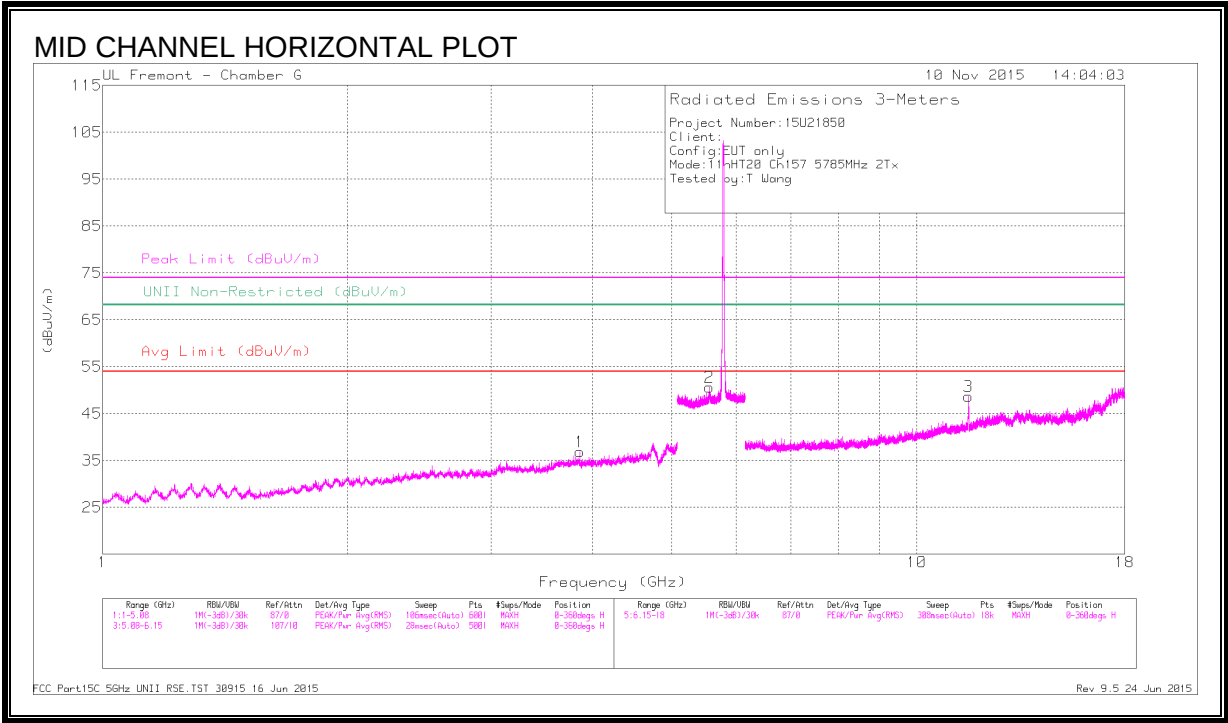
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.83	43.55	PK-U	33.1	-32.8	43.85	-	-	74	-30.15	-	-	191	184	H
* 3.83	33.92	ADR	33.1	-32.8	34.22	54	-19.78	-	-	-	-	191	184	H
* 11.49	46.37	PK-U	38.2	-26	58.57	-	-	74	-15.43	-	-	169	295	H
* 11.49	33.84	ADR	38.2	-26	46.04	54	-7.96	-	-	-	-	169	295	H
* 11.491	43.94	PK-U	38.2	-26	56.14	-	-	74	-17.86	-	-	349	101	V
* 11.489	32.69	ADR	38.2	-26	44.89	54	-9.11	-	-	-	-	349	101	V
5.319	47.64	PK-U	34.4	-23.2	58.84	-	-	-	-	68.2	-9.36	197	163	V
5.525	44.28	PK-U	34.7	-23	55.98	-	-	-	-	68.2	-12.22	191	184	H
5.532	50.65	PK-U	34.7	-23	62.35	-	-	-	-	68.2	-5.85	197	163	V
6.17	47.86	PK-U	35.5	-31.7	51.66	-	-	-	-	68.2	-16.54	197	163	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

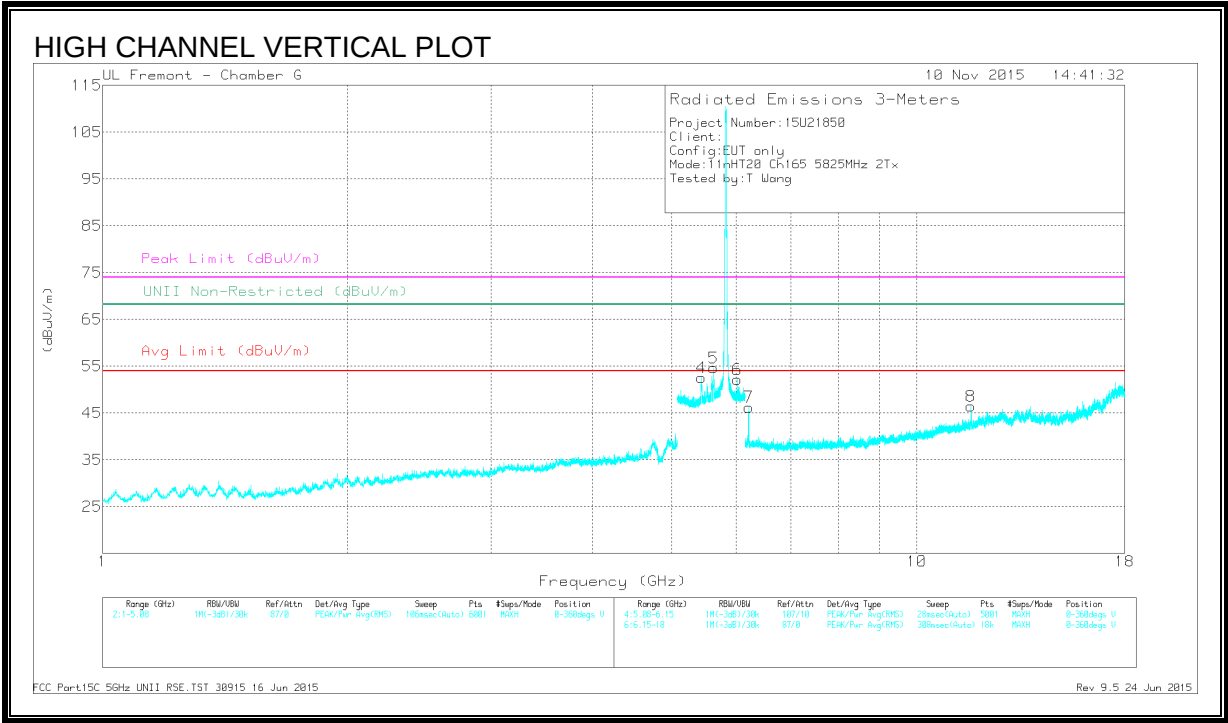
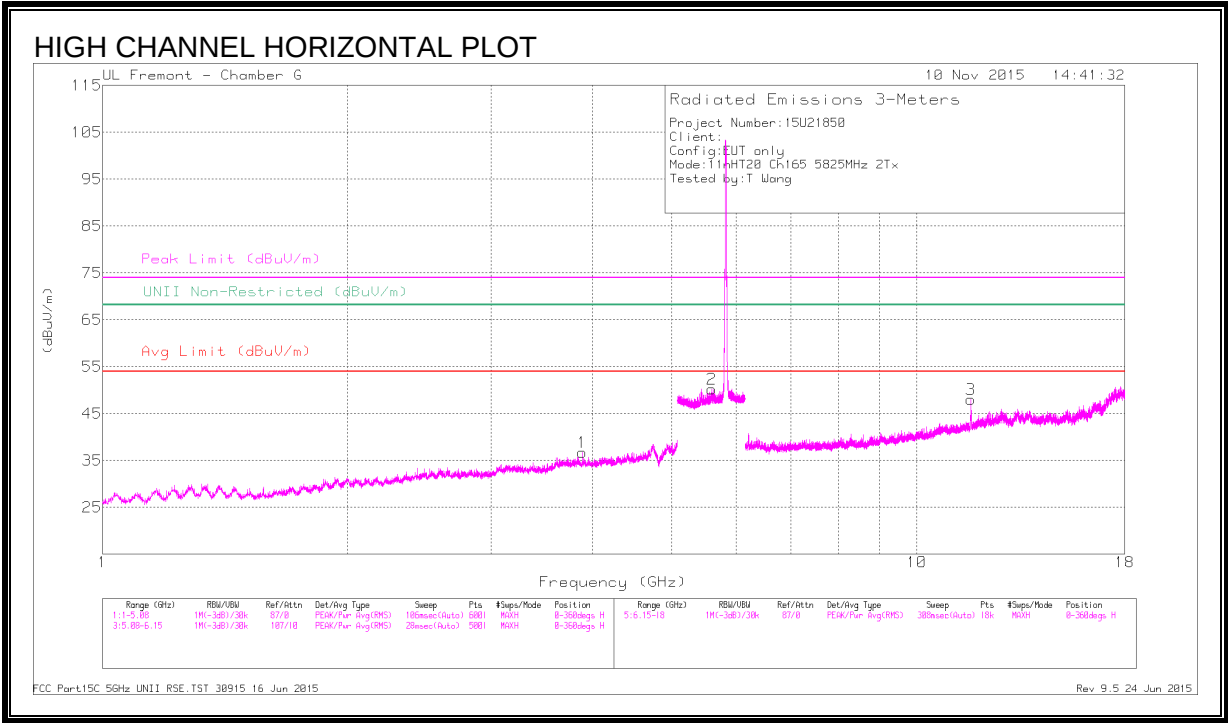
Frequency (GHz)	Meter Reading (dBuV)	Det	AFT862 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.857	43.32	PK-U	33.1	-32.8	43.62	-	-	74	-30.38	-	-	185	241	H
* 3.857	33.84	ADR	33.1	-32.8	34.14	54	-19.86	-	-	-	-	185	241	H
* 11.57	43.86	PK-U	38.3	-26.2	55.96	-	-	74	-18.04	-	-	194	277	H
* 11.57	32.49	ADR	38.3	-26.2	44.59	54	-9.41	-	-	-	-	194	277	H
* 11.567	43.08	PK-U	38.3	-26.1	55.28	-	-	74	-18.72	-	-	0	112	V
* 11.567	31.05	ADR	38.3	-26.2	43.15	54	-10.85	-	-	-	-	0	112	V
5.563	44.17	PK-U	34.8	-23	55.97	-	-	-	-	68.2	-12.23	185	241	H
5.571	48.71	PK-U	34.8	-23	60.51	-	-	-	-	68.2	-7.69	217	137	V
5.999	46.33	PK-U	35.3	-23	58.63	-	-	-	-	68.2	-9.57	217	137	V
6.214	48.07	PK-U	35.5	-31.7	51.87	-	-	-	-	68.2	-16.33	217	137	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AFT862 (dB/m)	Amp/Cbl/FI tr/Pad (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
* 3.883	44.39	PK-U	33.1	-33	44.49	-	-	74	-29.51	-	-	226	169	H
* 3.883	35.53	ADR	33.1	-33	35.63	54	-18.37	-	-	-	-	226	169	H
* 5.437	47.8	PK-U	34.5	-22.9	59.4	-	-	74	-14.6	-	-	193	267	V
* 5.437	38.12	ADR	34.5	-22.9	49.72	54	-4.28	-	-	-	-	193	267	V
* 11.645	42.61	PK-U	38.4	-26.3	54.71	-	-	74	-19.29	-	-	243	185	H
* 11.647	31.31	ADR	38.4	-26.3	43.41	54	-10.59	-	-	-	-	243	185	H
* 11.65	41.95	PK-U	38.4	-26.3	54.05	-	-	74	-19.95	-	-	4	102	V
* 11.649	29.97	ADR	38.4	-26.3	42.07	54	-11.93	-	-	-	-	4	102	V
5.603	44.26	PK-U	34.9	-23.1	56.06	-	-	-	-	68.2	-12.14	226	169	H
5.631	49.98	PK-U	34.9	-23.1	61.78	-	-	-	-	68.2	-6.42	192	263	V
6.02	47.12	PK-U	35.3	-23	59.42	-	-	-	-	68.2	-8.78	198	270	V
6.214	47.19	PK-U	35.5	-31.7	50.99	-	-	-	-	68.2	-17.21	191	262	V

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

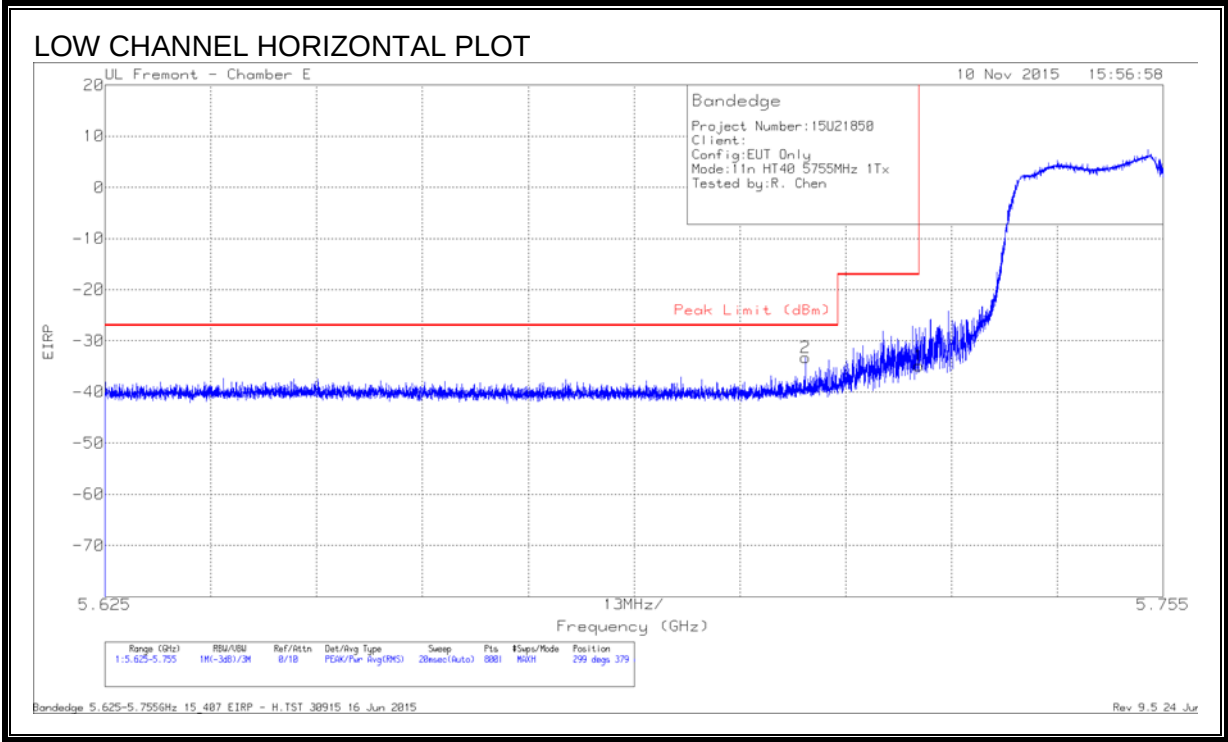
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

9.4.802.11n HT40 1Tx MODE IN THE 5.8 GHz BAND

9.4.1.CHAIN 0, RESTRICTED BANDEGE AND HARMONIC SPURIOUS

LOW CHANNEL

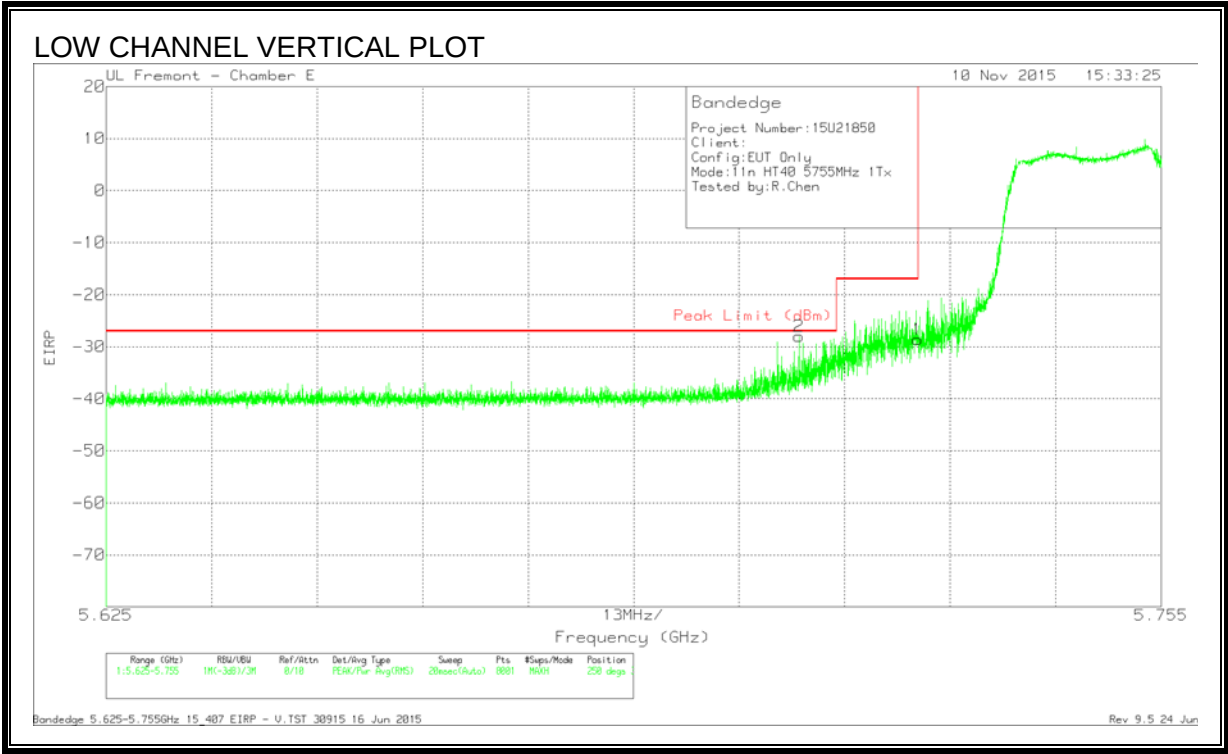


DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T346 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.711	-59.69	Pk	34.7	-20.1	11.8	-33.29	-27	-6.29	299	379	H
1	5.725	-61.29	Pk	34.7	-20.1	11.8	-34.89	-17	-17.89	299	379	H

Pk - Peak detector



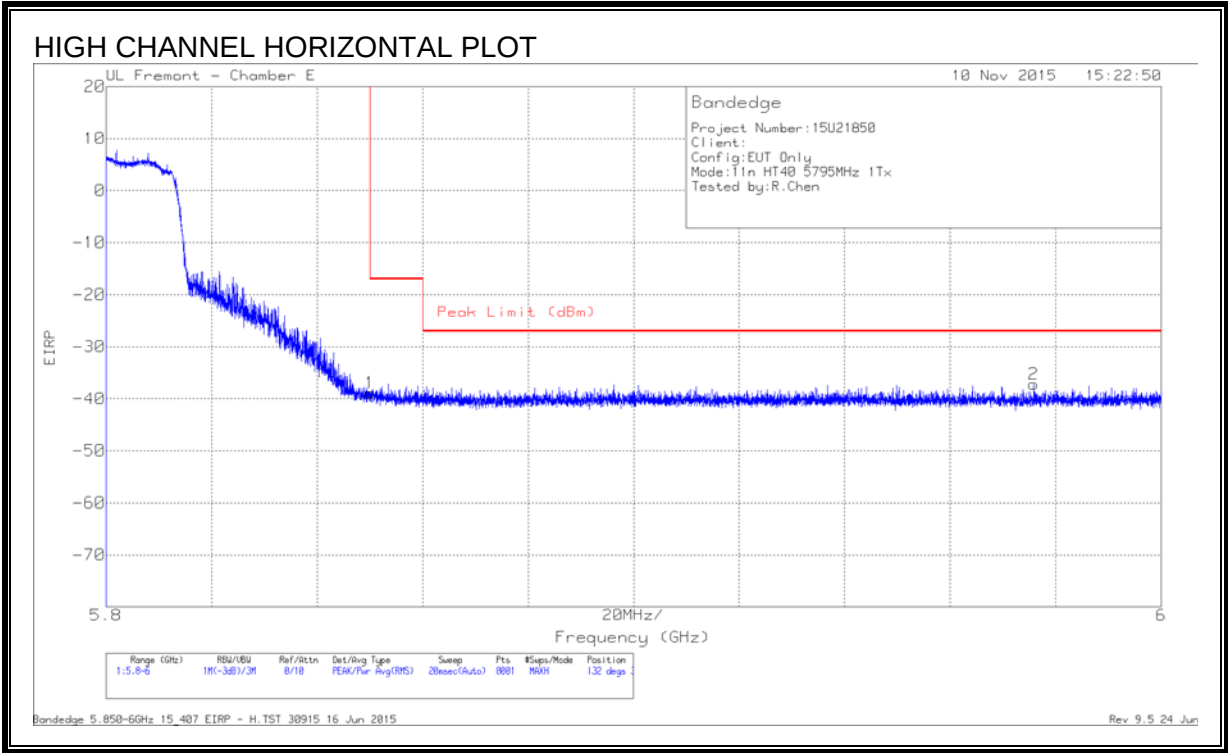
DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T346 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.71	-54.43	Pk	34.7	-20.1	11.8	-28.03	-27	-1.03	250	398	V
1	5.725	-55.04	Pk	34.7	-20.1	11.8	-28.64	-17	-11.64	250	398	V

Pk - Peak detector

RESTRICTED BANDEDGE, CHAIN 0 (HIGH CHANNEL)

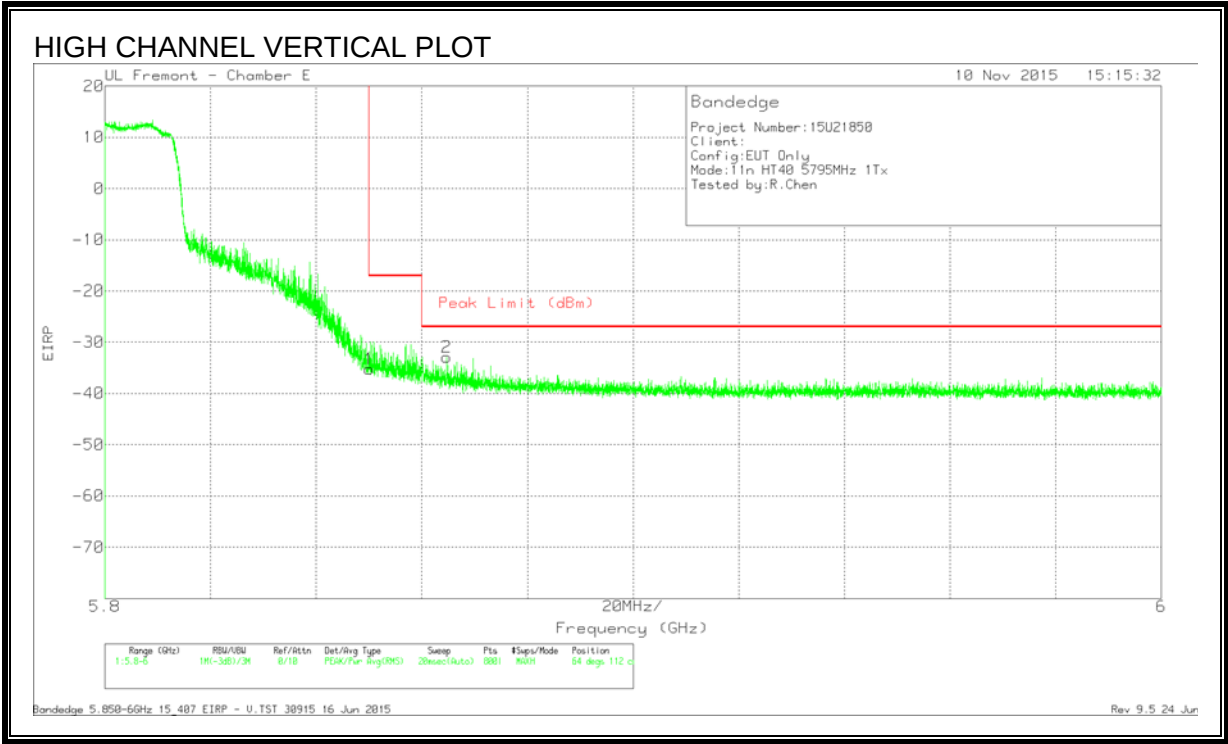


DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T346 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-65.29	Pk	34.9	-20.3	11.8	-38.89	-17	-21.89	132	380	H
2	5.976	-63.98	Pk	35.1	-20.1	11.8	-37.18	-27	-10.18	132	380	H

Pk - Peak detector



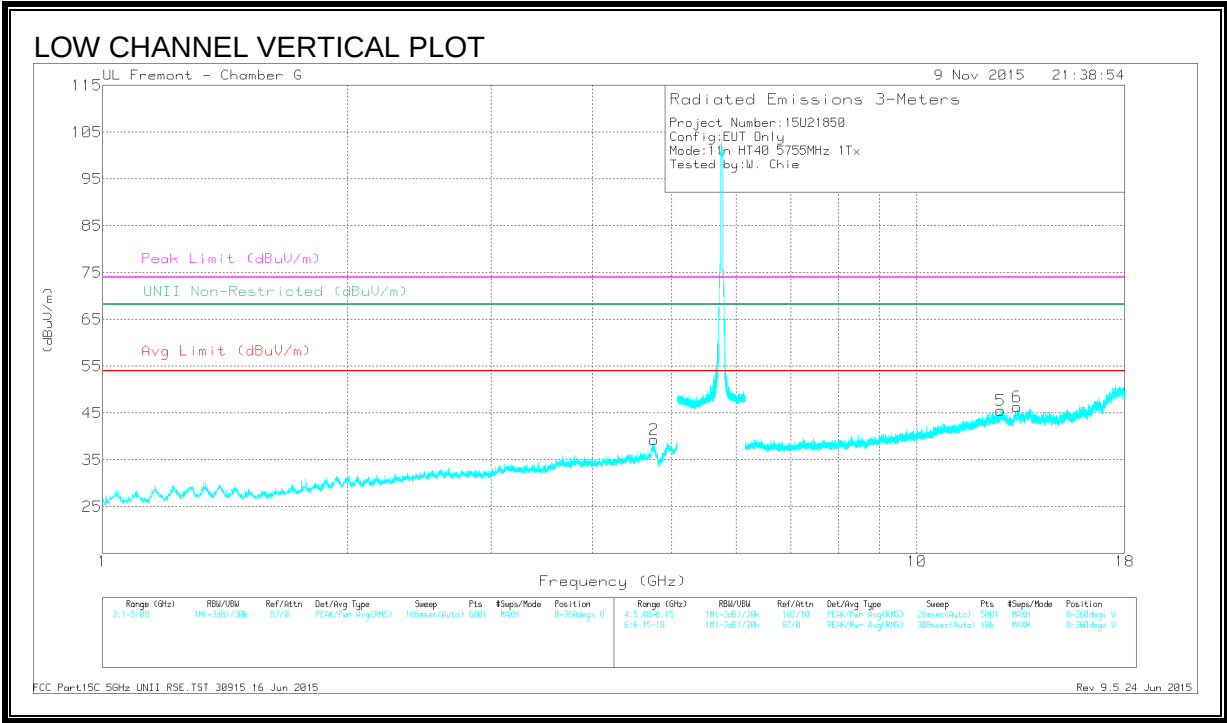
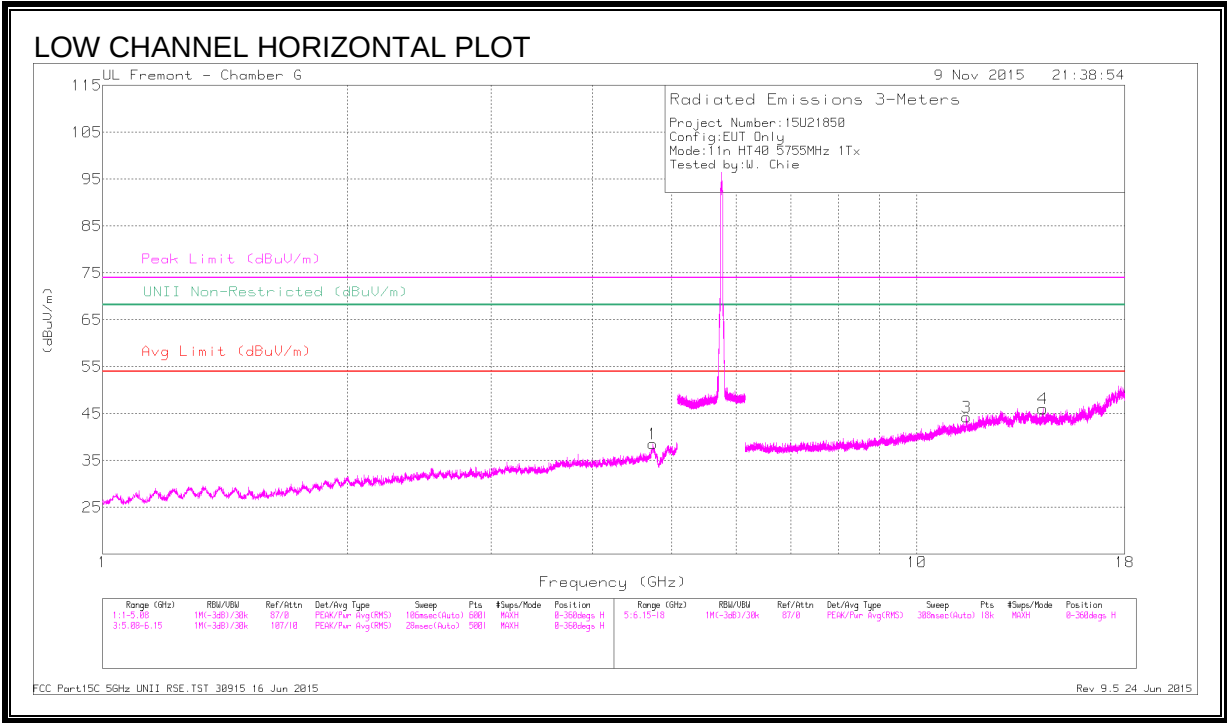
DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AFT346 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-61.65	Pk	34.9	-20.3	11.8	-35.25	-17	-18.25	64	112	V
2	5.865	-59.17	Pk	34.9	-20.4	11.8	-32.87	-27	-5.87	64	112	V

Pk - Peak detector

LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cb I/Ftr/P ad (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	* 4.743	43.71	PK-U	33.9	-31.9	0	45.71	-	-	74	-28.29	-	-	346	200	H
	* 4.741	32.16	ADR	33.9	-31.9	.13	34.29	54	-19.71	-	-	-	-	346	200	H
2	* 4.758	44.14	PK-U	33.9	-32.1	0	45.94	-	-	74	-28.06	-	-	4	276	V
	* 4.758	32.24	ADR	33.9	-32.1	.13	34.17	54	-19.83	-	-	-	-	4	276	V
3	* 11.504	38.96	PK-U	38.2	-25.8	0	51.36	-	-	74	-22.64	-	-	333	247	H
	* 11.505	27.55	ADR	38.2	-25.8	.13	40.08	54	-13.92	-	-	-	-	333	247	H
5	* 12.681	38.46	PK-U	39.3	-24.3	0	53.46	-	-	74	-20.54	-	-	117	153	V
	* 12.678	26.1	ADR	39.3	-24.4	.13	41.13	54	-12.87	-	-	-	-	117	153	V
6	* 13.282	38.09	PK-U	39.6	-24.7	0	52.99	-	-	74	-21.01	-	-	105	247	V
	* 13.283	26.59	ADR	39.6	-24.7	.13	41.62	54	-12.38	-	-	-	-	105	247	V
4	14.278	38.53	PK-U	39.6	-26.4	0	51.73	-	-	-	-	68.2	-16.47	263	196	H

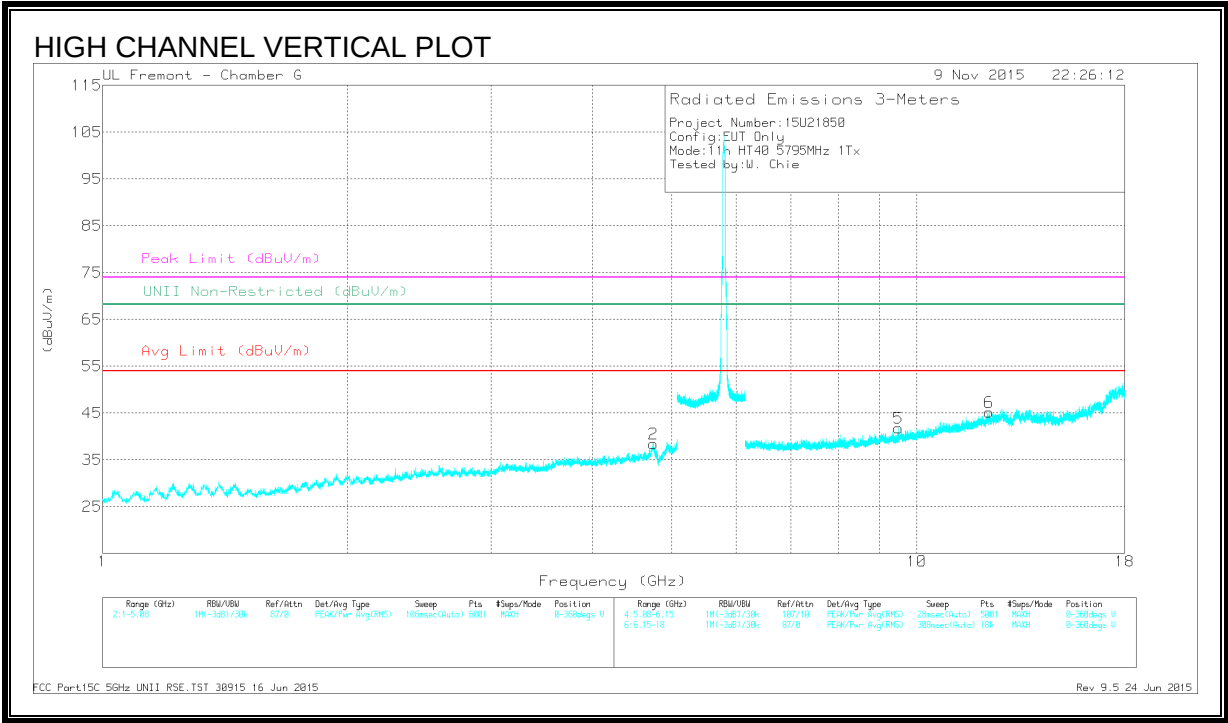
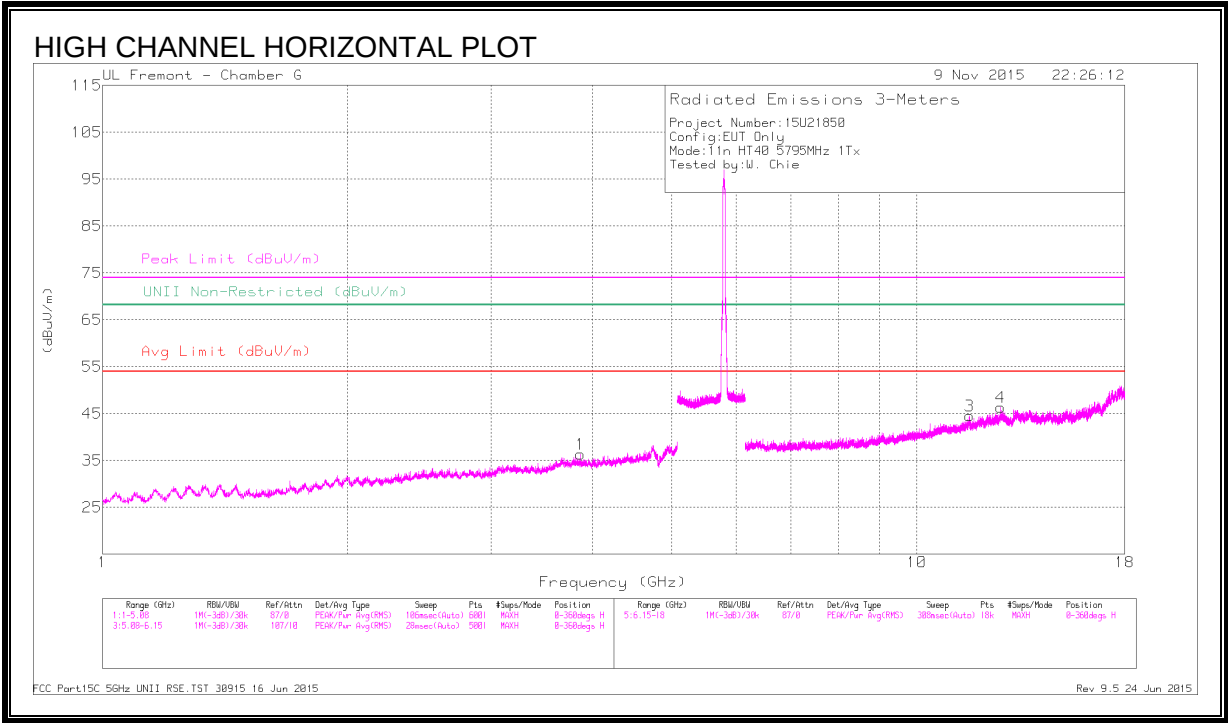
-

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl /Ftr/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	* 3.863	43.91	PK-U	33.1	-32.9	0	44.11	-	-	74	-29.89	-	-	22	117	H
	* 3.863	34.97	ADR	33.1	-32.9	.13	35.3	54	-18.7	-	-	-	-	22	117	H
2	* 4.747	43.98	PK-U	33.9	-32	0	45.88	-	-	74	-28.12	-	-	44	248	V
	* 4.748	32.41	ADR	33.9	-32	.13	34.44	54	-19.56	-	-	-	-	44	248	V
3	* 11.605	38.91	PK-U	38.3	-26.6	0	50.61	-	-	74	-23.39	-	-	360	200	H
	* 11.602	27.89	ADR	38.3	-26.6	.13	39.72	54	-14.28	-	-	-	-	360	200	H
4	* 12.668	37.97	PK-U	39.3	-24.8	0	52.47	-	-	74	-21.53	-	-	134	398	H
	* 12.669	26.28	ADR	39.3	-24.7	.13	41.01	54	-12.99	-	-	-	-	134	398	H
5	* 9.496	39.48	PK-U	36.6	-28.5	0	47.58	-	-	74	-26.42	-	-	100	238	V
	* 9.495	27.75	ADR	36.6	-28.5	.13	35.98	54	-18.02	-	-	-	-	100	238	V
6	* 12.273	38.64	PK-U	39	-25.4	0	52.24	-	-	74	-21.76	-	-	224	155	V
	* 12.274	26.35	ADR	39	-25.4	.13	40.08	54	-13.92	-	-	-	-	224	155	V

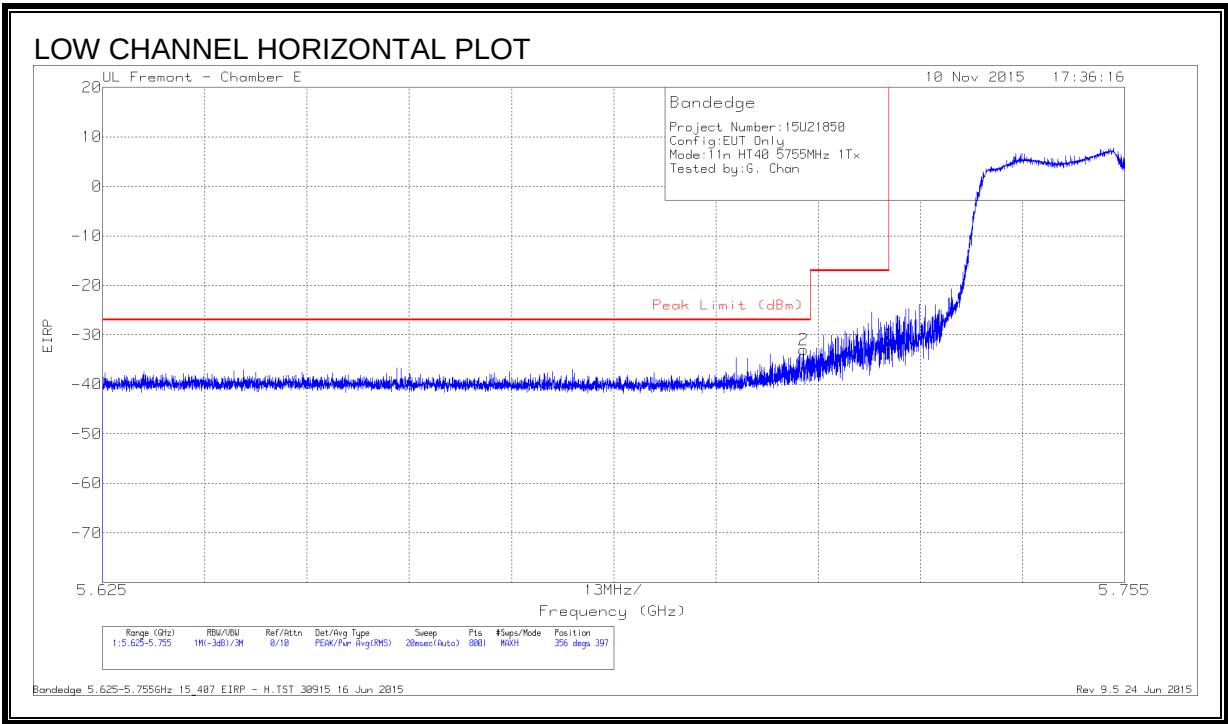
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

9.4.2. CHAIN 1, RESTRICTED BANDEDGE AND HARMONIC SPURIOUS

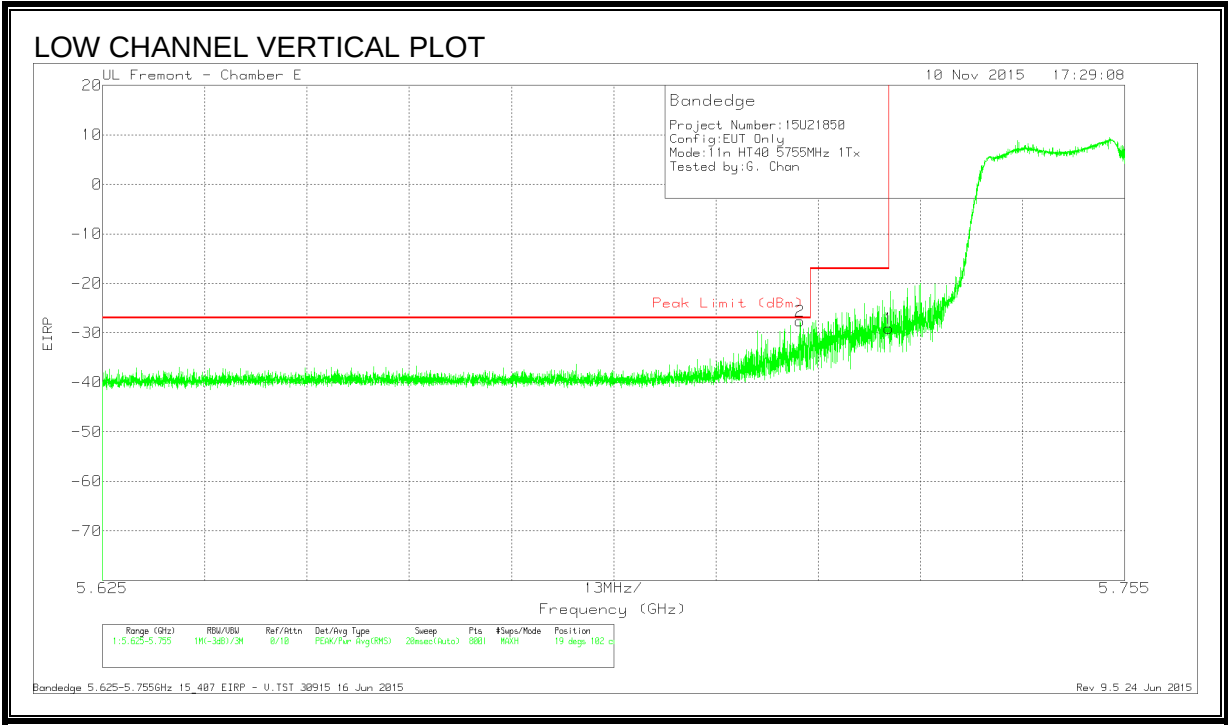
LOW CHANNEL



DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T346 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.714	-59.36	Pk	34.7	-20.1	11.8	-32.96	-27	-5.96	356	397	H
1	5.725	-58.34	Pk	34.7	-20.1	11.8	-31.94	-17	-14.94	356	397	H

Pk - Peak detector



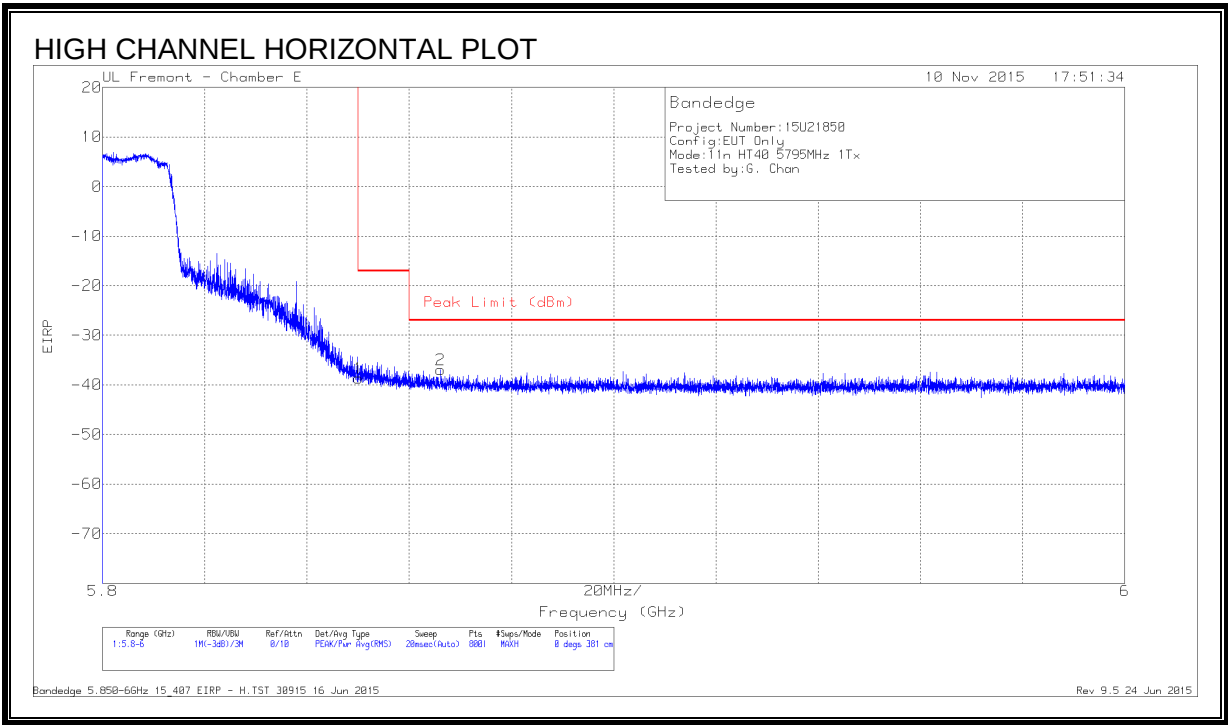
DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AFT346 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.714	-54.07	Pk	34.7	-20.1	11.8	-27.67	-27	-67	19	102	V
1	5.725	-55.52	Pk	34.7	-20.1	11.8	-29.12	-17	-12.12	19	102	V

Pk - Peak detector

Bandedge 5.625-5.755GHz 15_407 EIRP - V.TST 30915 16 Jun 2015

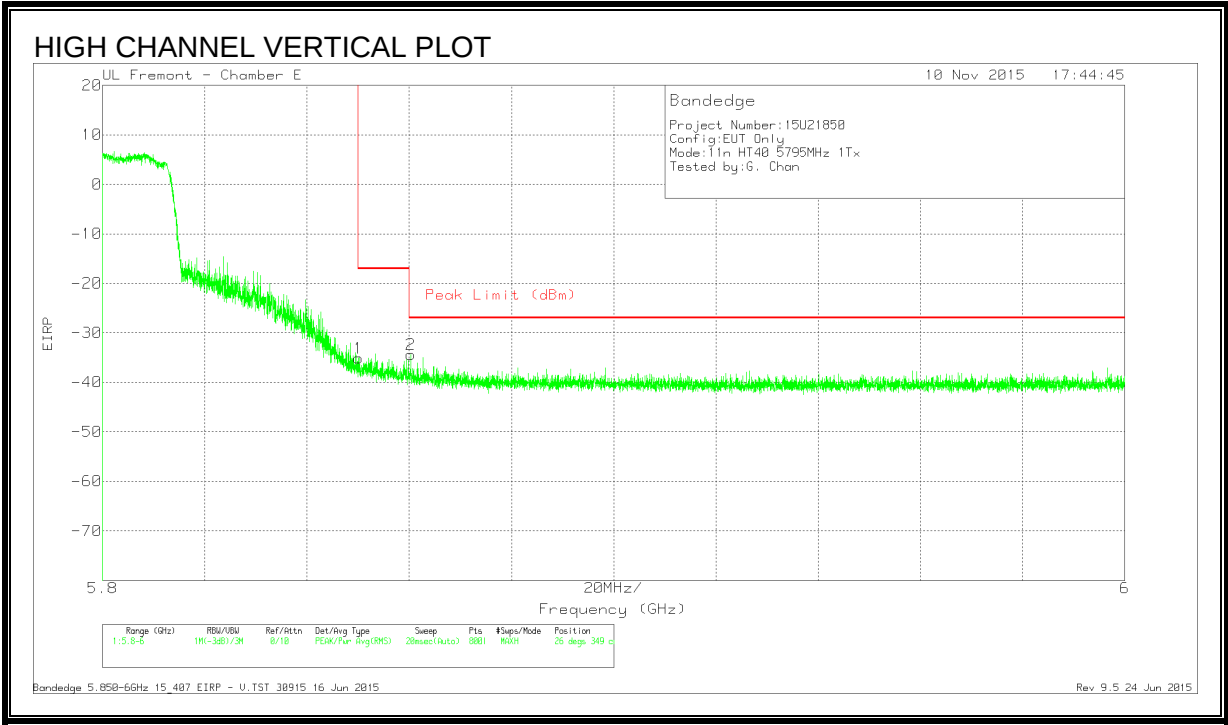
RESTRICTED BANDEDGE, CHAIN 1 (HIGH CHANNEL)



DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T346 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-65.09	Pk	34.9	-20.3	11.8	-38.69	-17	-21.69	0	381	H
2	5.866	-63.22	Pk	34.9	-20.4	11.8	-36.92	-27	-9.92	0	381	H

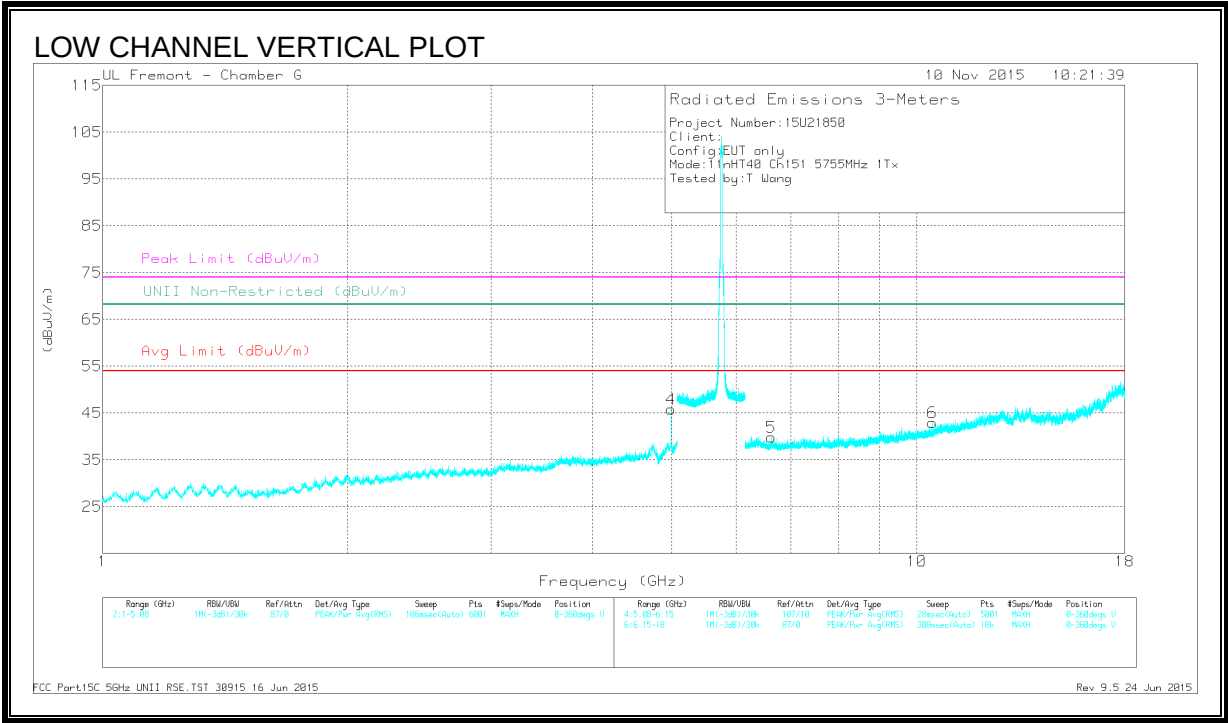
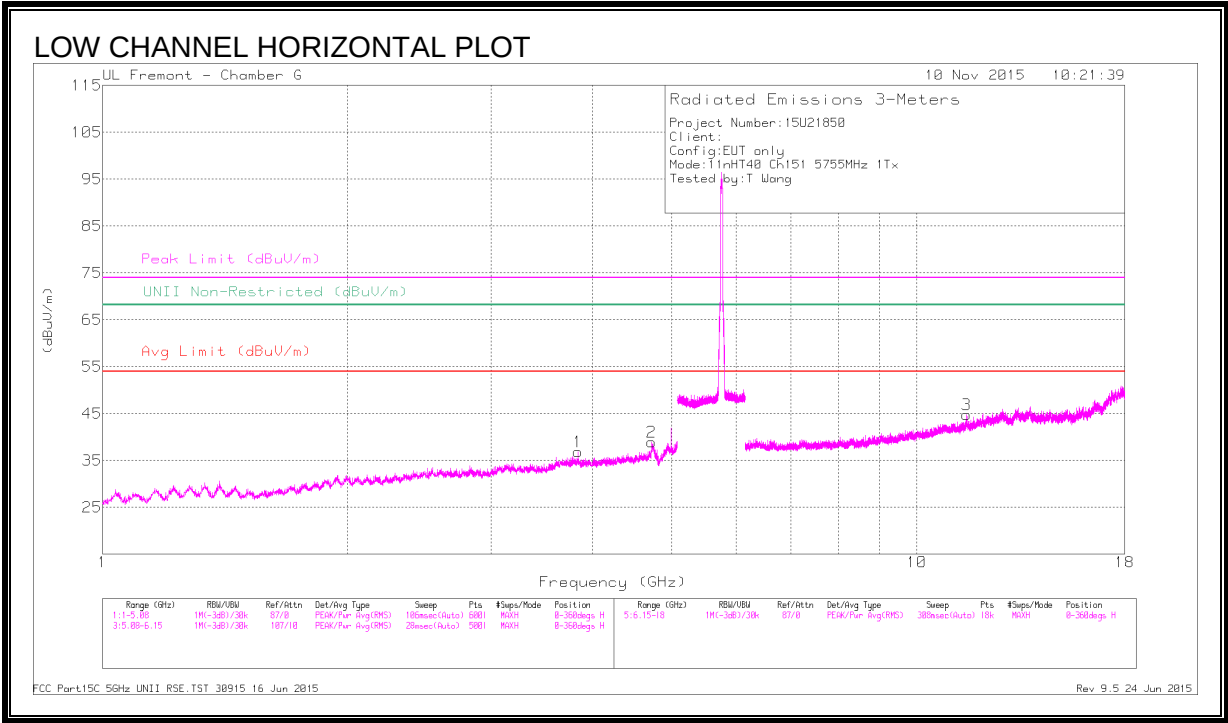
Pk - Peak detector



DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AFT346 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-61.47	Pk	34.9	-20.3	11.8	-35.07	-17	-18.07	26	349	V
2	5.86	-60.7	Pk	34.9	-20.4	11.8	-34.4	-27	-7.4	26	349	V

LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

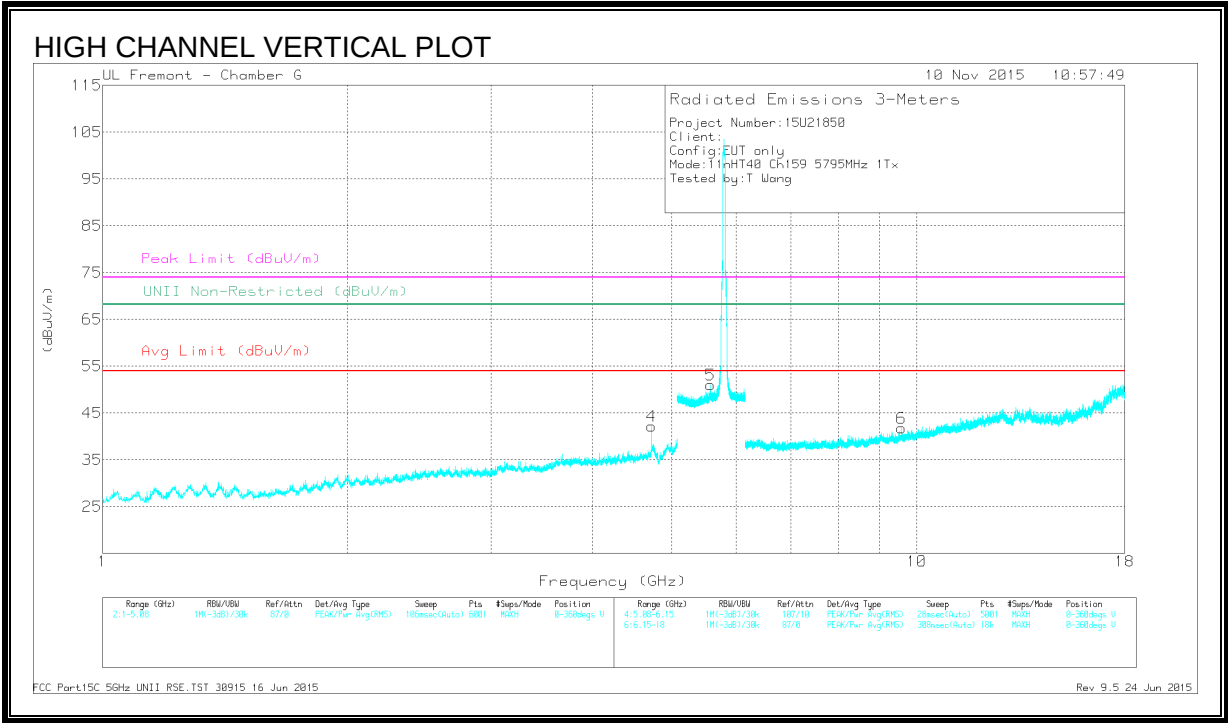
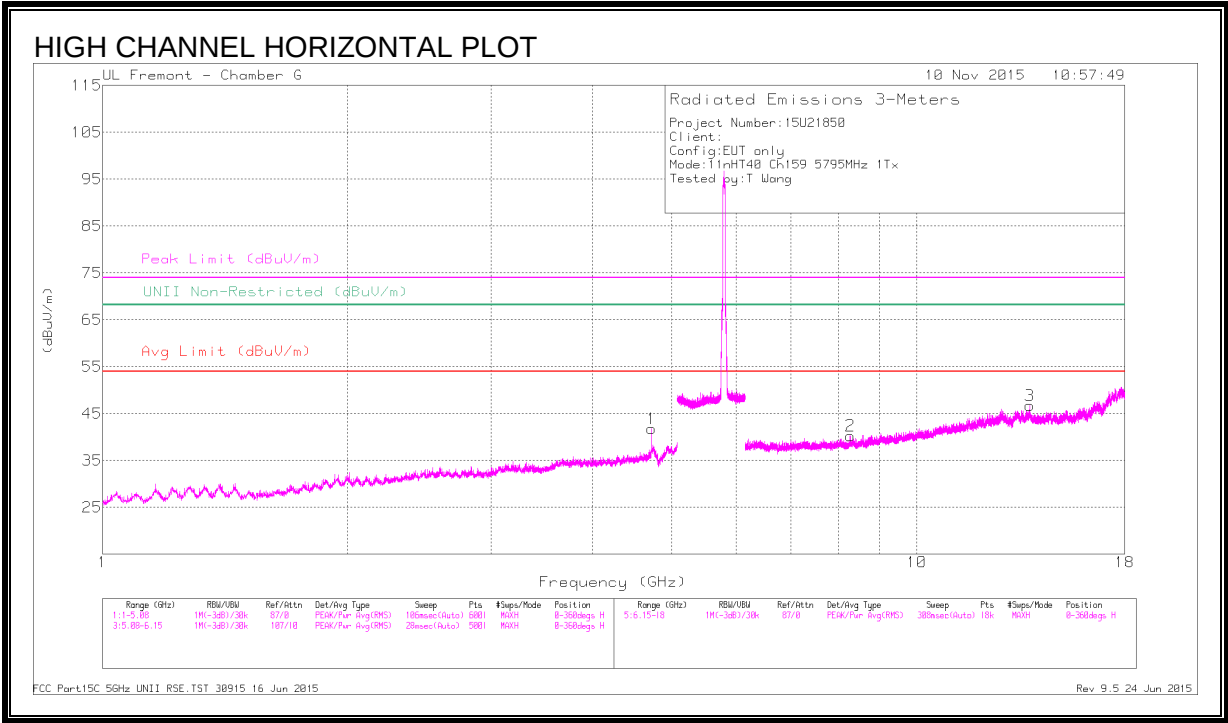
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cb I/Ftr/P ad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.836	43.99	PK-U	33.1	-32.7	0	44.39	-	-	74	-29.61	-	-	203	112	H
	* 3.837	34.29	ADR	33.1	-32.7	.13	34.82	54	-19.18	-	-	-	-	203	112	H
2	* 4.725	43.42	PK-U	33.9	-31.9	0	45.42	-	-	74	-28.58	-	-	200	117	H
	* 4.728	31.94	ADR	33.9	-31.8	.13	34.17	54	-19.83	-	-	-	-	200	117	H
4	* 4.988	49.04	PK-U	34.2	-31.4	0	51.84	-	-	74	-22.16	-	-	200	133	V
	* 4.988	42.97	ADR	34.2	-31.4	.13	45.9	54	-8.1	-	-	-	-	200	133	V
3	* 11.508	37.64	PK-U	38.2	-25.9	0	49.94	-	-	74	-24.06	-	-	224	125	H
	* 11.508	26.64	ADR	38.2	-25.9	.13	39.07	54	-14.93	-	-	-	-	224	125	H
5	6.633	41	PK-U	35.7	-30.9	0	45.8	-	-	-	-	68.2	-22.4	200	133	V
6	10.455	38.35	PK-U	37.4	-27.6	0	48.15	-	-	-	-	68.2	-20.05	217	145	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (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	* 4.722	46.37	PK-U	33.9	-31.9	0	48.37	-	-	74	-25.63	-	-	269	110	H
	* 4.722	37.89	ADR	33.9	-31.9	.13	40.02	54	-13.98	-	-	-	-	269	110	H
4	* 4.722	46.41	PK-U	33.9	-31.9	0	48.41	-	-	74	-25.59	-	-	188	117	V
	* 4.722	38.41	ADR	33.9	-31.9	.13	40.54	54	-13.46	-	-	-	-	188	117	V
2	* 8.294	39.61	PK-U	35.7	-29	0	46.31	-	-	74	-27.69	-	-	252	112	H
	* 8.291	28.59	ADR	35.7	-29	.13	35.42	54	-18.58	-	-	-	-	252	112	H
5	5.58	45.84	PK-U	34.8	-23	0	57.64	-	-	-	-	68.2	-10.56	194	129	V
6	9.569	39.1	PK-U	36.7	-27.7	0	48.1	-	-	-	-	68.2	-20.1	194	129	V
3	13.753	38.27	PK-U	39.2	-24.5	0	52.97	-	-	-	-	68.2	-15.23	276	119	H

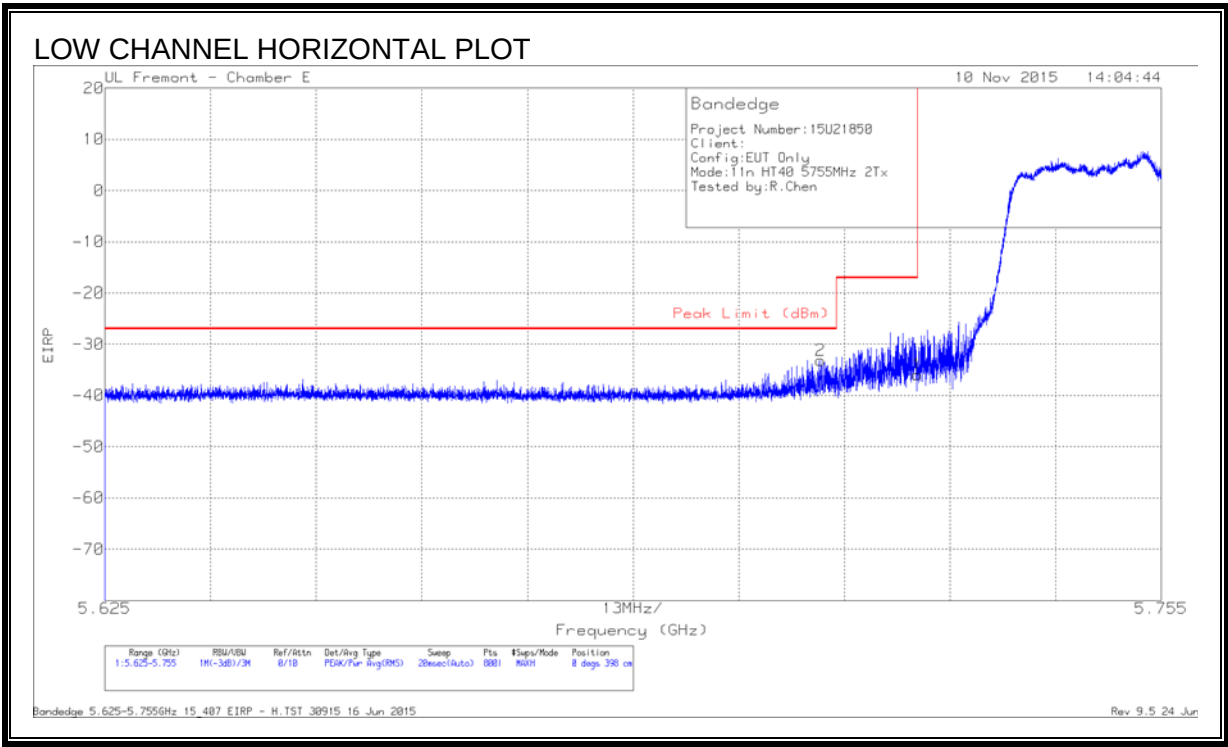
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

9.5. 802.11n HT40 2Tx CDD MODE IN THE 5.8 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

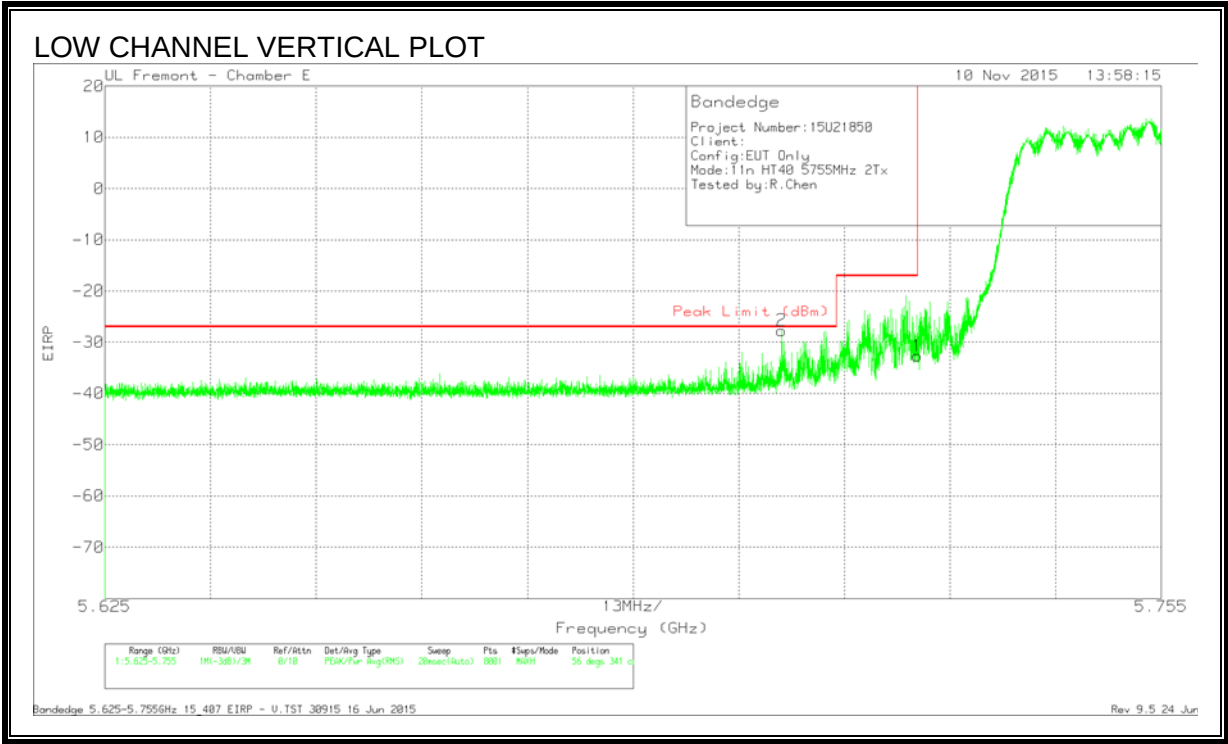


DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AFT346 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.713	-59.52	Pk	34.7	-20.1	11.8	-33.12	-27	-6.12	0	398	H
1	5.725	-62.39	Pk	34.7	-20.1	11.8	-35.99	-17	-18.99	0	398	H

Pk - Peak detector



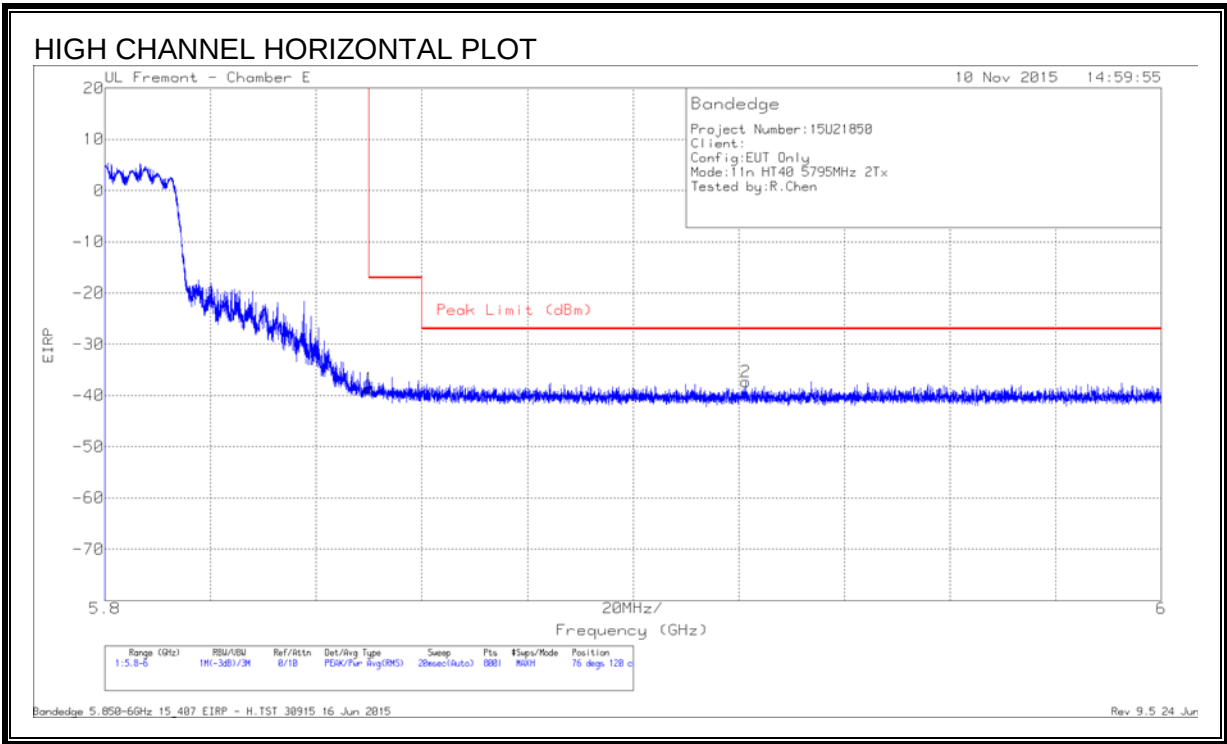
DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T346 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.708	-54.08	Pk	34.7	-20.1	11.8	-27.68	-27	-68	56	341	V
1	5.725	-59.01	Pk	34.7	-20.1	11.8	-32.61	-17	-15.61	56	341	V

Pk - Peak detector

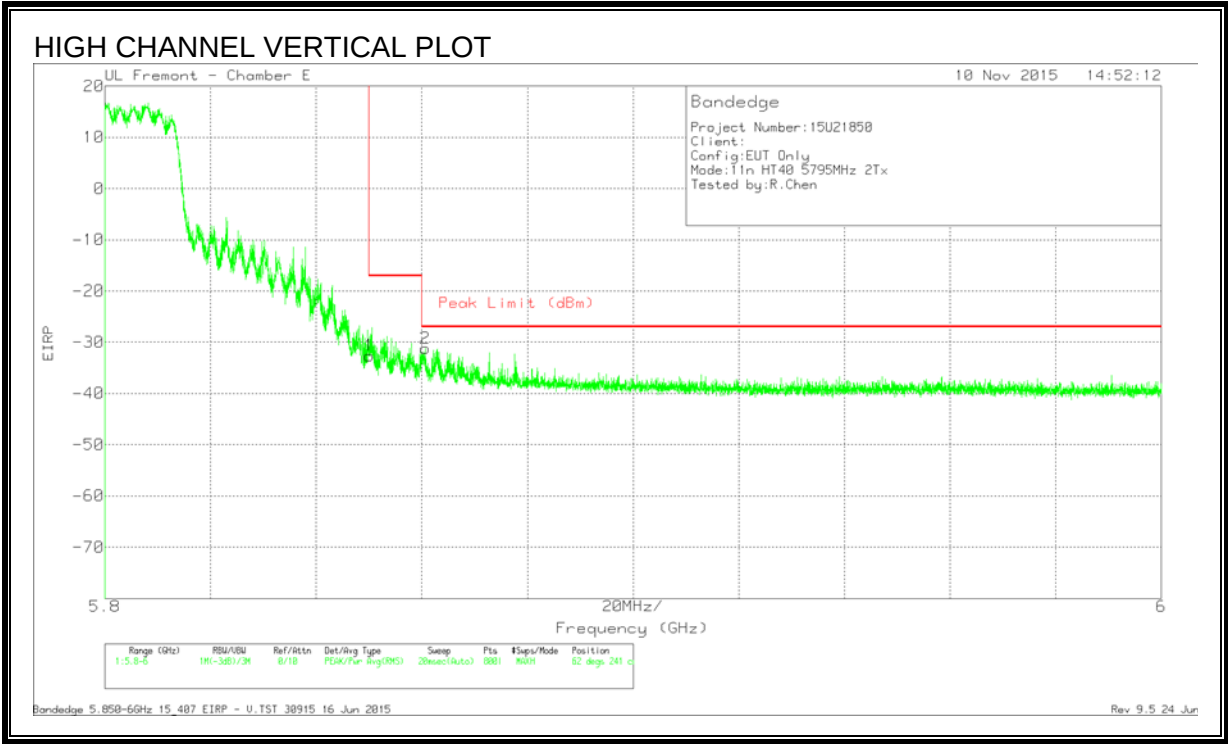
RESTRICTED BANDEDGE (HIGH CHANNEL)



DATA
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T346 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-65.05	Pk	34.9	-20.3	11.8	-38.65	-17	-21.65	76	120	H
2	5.921	-63.79	Pk	35	-20.3	11.8	-37.29	-27	-10.29	76	120	H

Pk - Peak detector



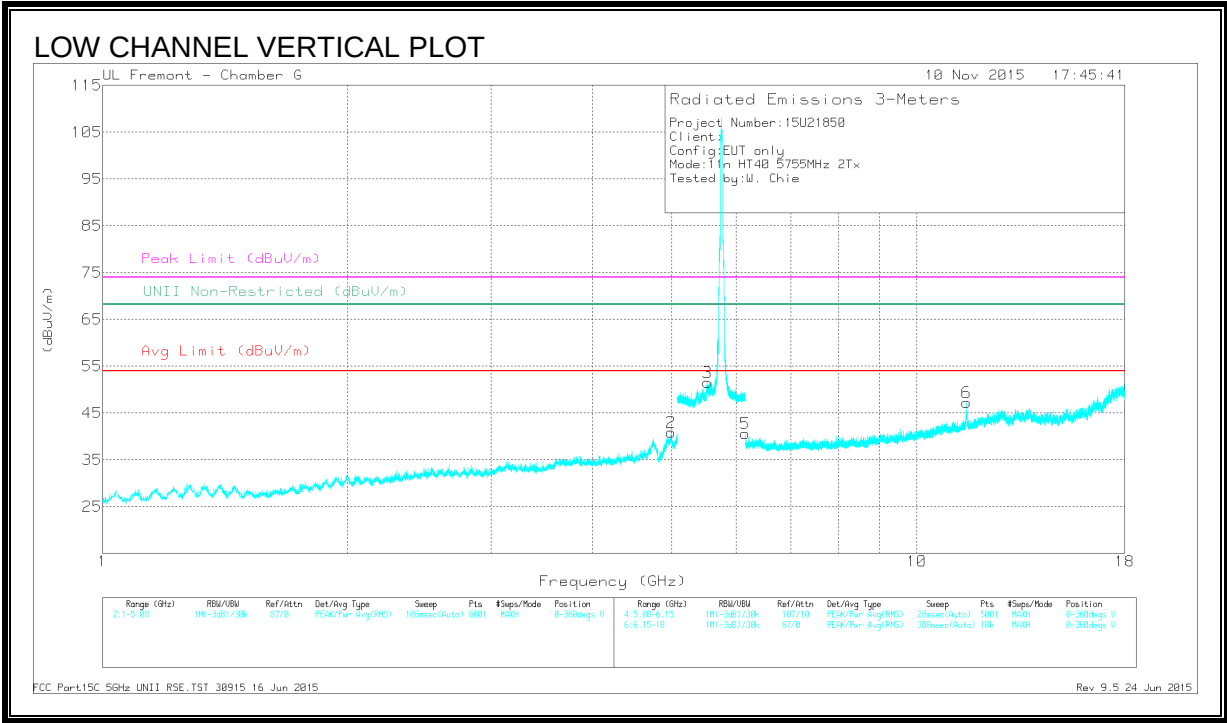
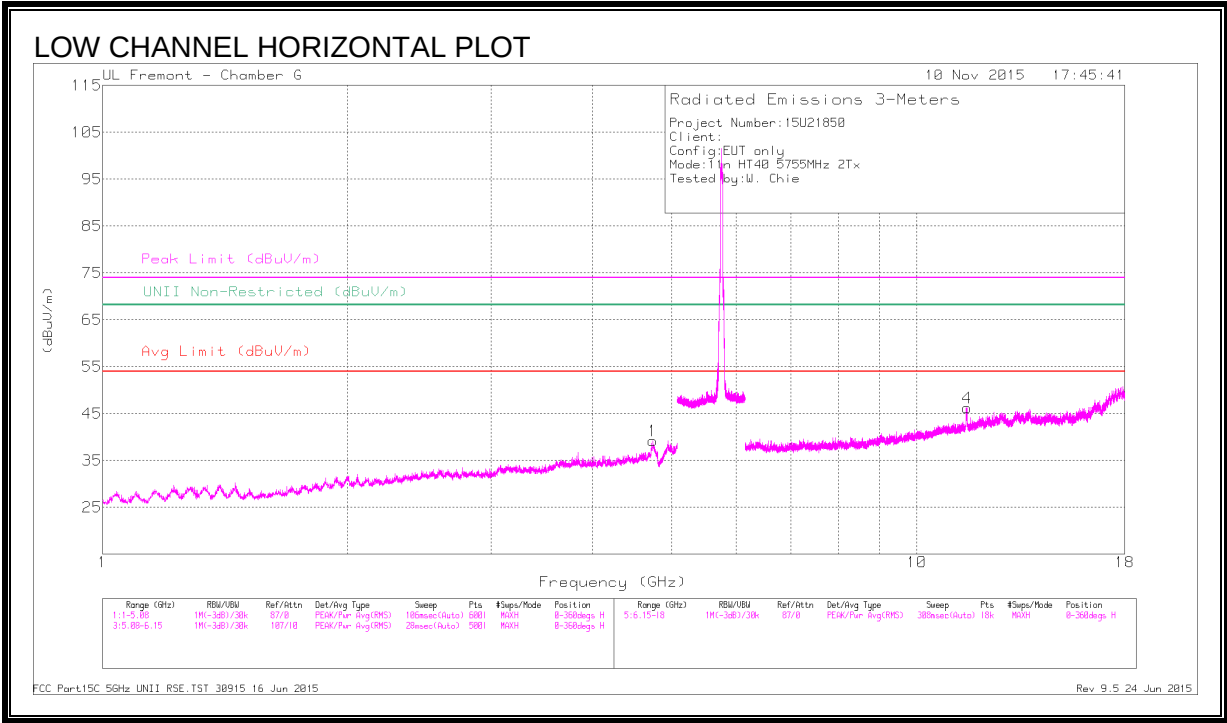
DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AFT346 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-58.99	Pk	34.9	-20.3	11.8	-32.59	-17	-15.59	62	241	V
2	5.861	-57.44	Pk	34.9	-20.4	11.8	-31.14	-27	-4.14	62	241	V

Pk - Peak detector

LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

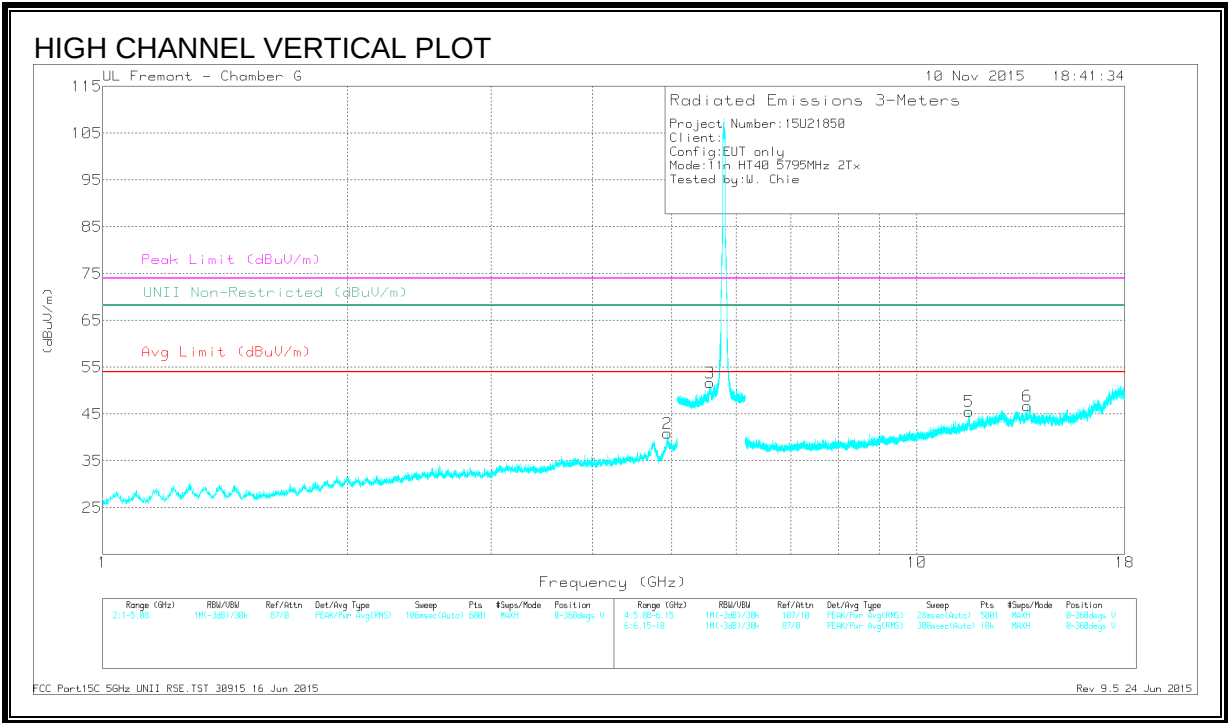
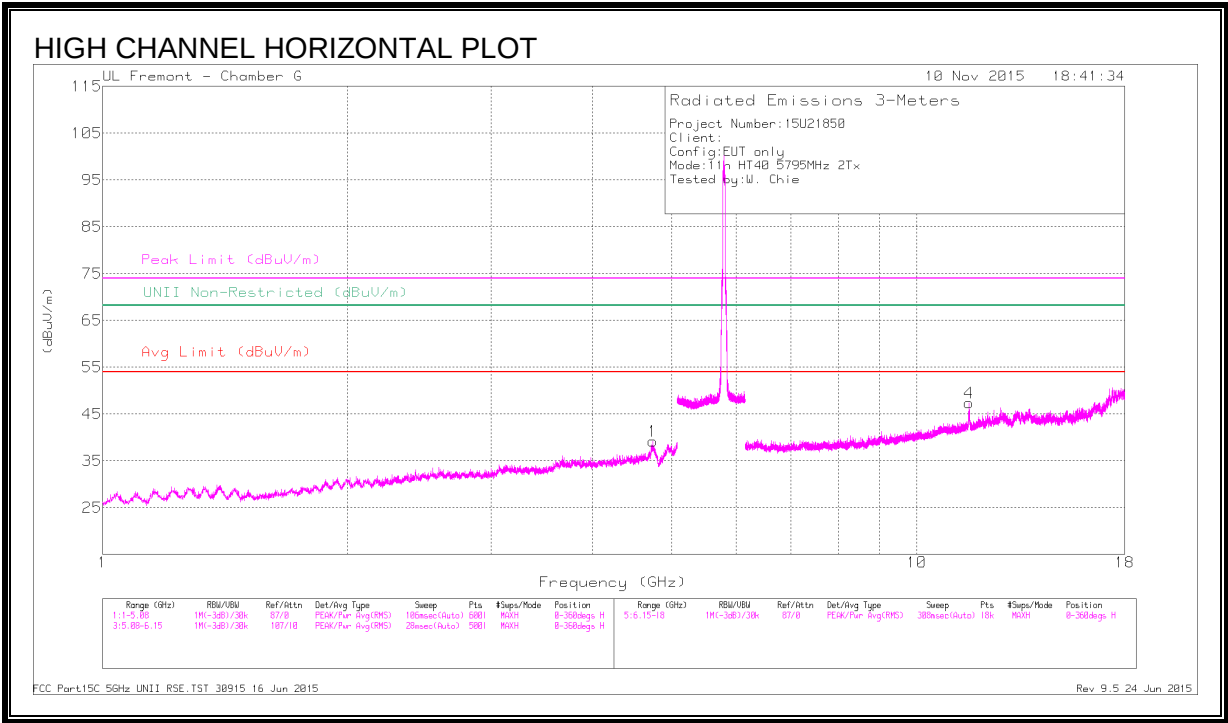
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cb I/FHz/P ad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.74	44.48	PK-U	33.9	-31.8	0	46.58	-	-	74	-27.42	-	-	47	233	H
	* 4.742	32.91	ADR	33.9	-31.9	.13	35.04	54	-18.96	-	-	-	-	47	233	H
2	* 4.988	46.63	PK-U	34.2	-31.4	0	49.43	-	-	74	-24.57	-	-	26	143	V
	* 4.988	36.33	ADR	34.2	-31.4	.13	39.26	54	-14.74	-	-	-	-	26	143	V
4	* 11.526	41.54	PK-U	38.2	-26.1	0	53.64	-	-	74	-20.36	-	-	314	191	H
	* 11.524	29.32	ADR	38.2	-26	.13	41.65	54	-12.35	-	-	-	-	314	191	H
6	* 11.51	41.62	PK-U	38.2	-25.9	0	53.92	-	-	74	-20.08	-	-	179	202	V
	* 11.509	30.18	ADR	38.2	-25.9	.13	42.61	54	-11.39	-	-	-	-	179	202	V
3	5.532	47.28	PK-U	34.7	-23	0	58.98	-	-	-	-	68.2	-9.22	4	127	V
5	6.152	45.94	PK-U	35.4	-31.5	0	49.84	-	-	-	-	68.2	-18.36	32	155	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Chl/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)	Polarit y
1	* 4.741	44	PK-U	33.9	-31.9	0	46	-	-	74	-28	-	-	60	194	H
	* 4.741	32.54	ADR	33.9	-31.9	.13	34.67	54	-19.33	-	-	-	-	60	194	H
2	* 4.937	44.43	PK-U	34.1	-31.2	0	47.33	-	-	74	-26.67	-	-	5	168	V
	* 4.937	33.98	ADR	34.1	-31.2	.13	37.01	54	-16.99	-	-	-	-	5	168	V
4	* 11.592	41.87	PK-U	38.3	-26.5	0	53.67	-	-	74	-20.33	-	-	356	191	H
	* 11.592	30.54	ADR	38.3	-26.5	.13	42.47	54	-11.53	-	-	-	-	356	191	H
5	* 11.592	41.08	PK-U	38.3	-26.5	0	52.88	-	-	74	-21.12	-	-	206	196	V
	* 11.589	29.41	ADR	38.3	-26.5	.13	41.34	54	-12.66	-	-	-	-	206	196	V
3	5.569	47.17	PK-U	34.8	-23	0	58.97	-	-	-	-	68.2	-9.23	28	310	V
6	13.672	39.42	PK-U	39.2	-25.8	0	52.82	-	-	-	-	68.2	-15.38	347	284	V

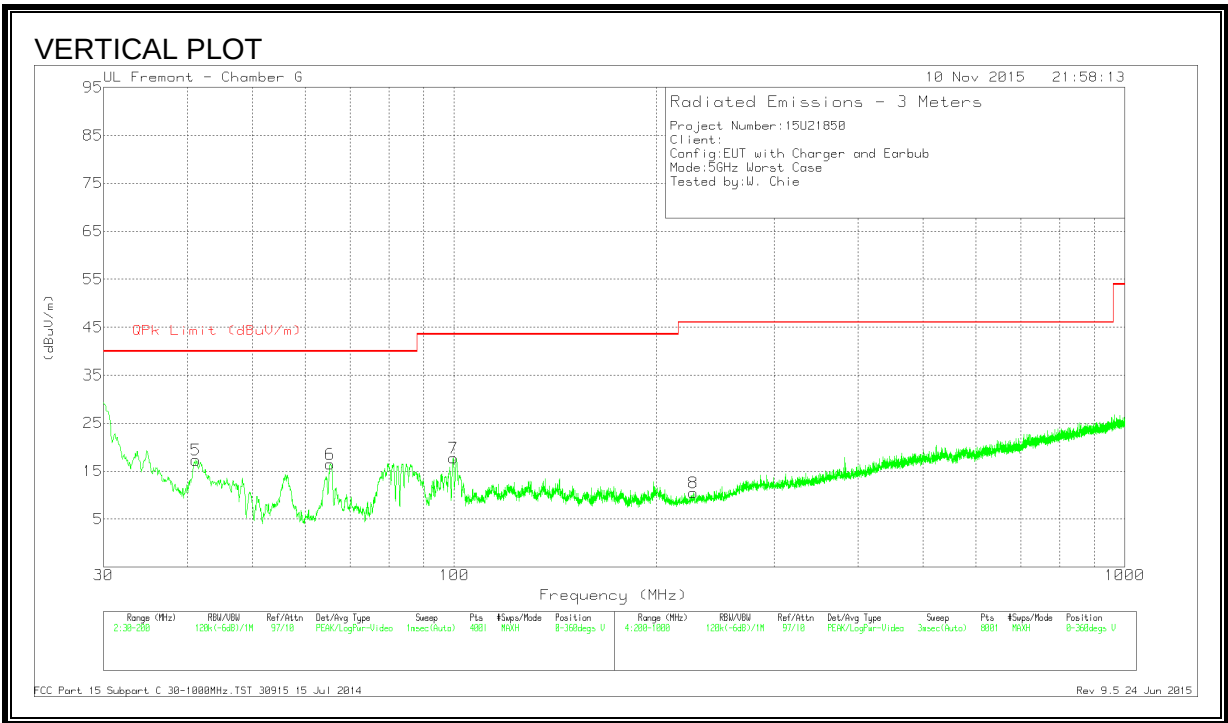
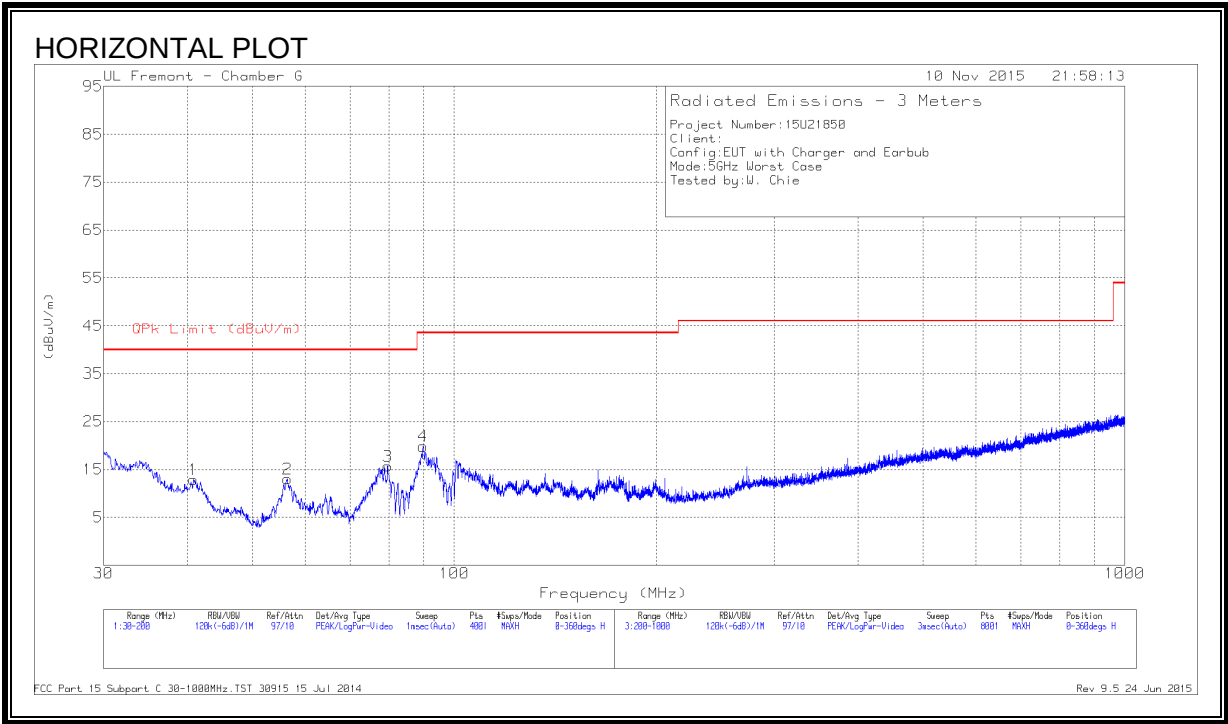
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

9.6. WORST-CASE BELOW 1 GHz

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



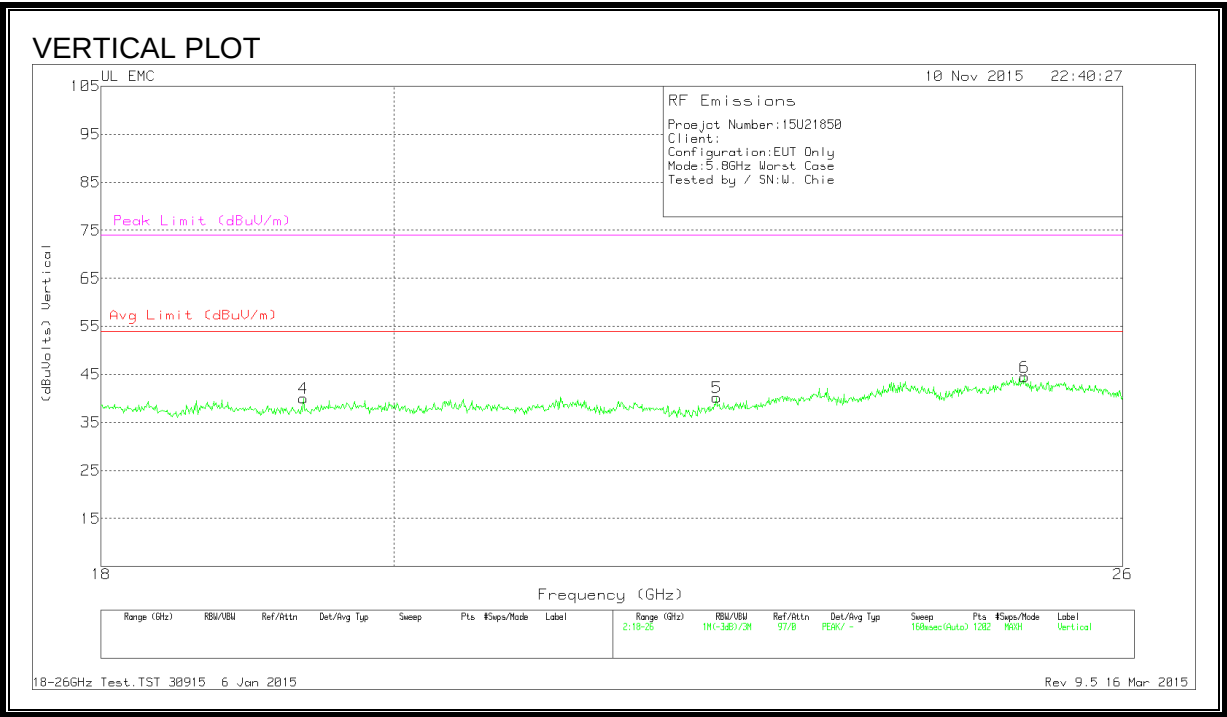
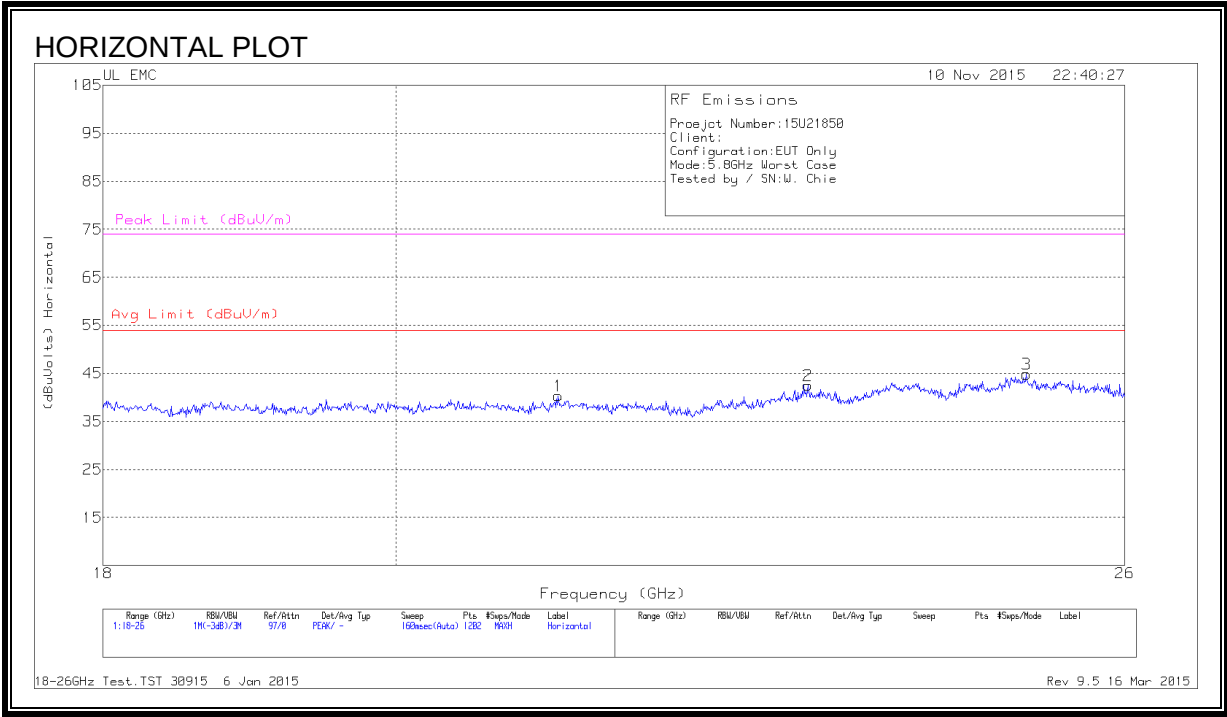
HORIZONTAL AND VERTICAL DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T899 (dB/m)	Amp Cbl (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	40.88	30.32	Pk	13.8	-31.2	0	12.92	40	-27.08	0-360	301	H
5	41.22	34.99	Pk	13.5	-31.2	0	17.29	40	-22.71	0-360	100	V
2	56.3925	36.47	Pk	7.5	-30.9	0	13.07	40	-26.93	0-360	401	H
6	65.3175	38.9	Pk	8.4	-30.8	0	16.5	40	-23.5	0-360	100	V
3	79.555	38.79	Pk	7.6	-30.7	0	15.69	40	-24.31	0-360	201	H
4	89.925	42.63	Pk	7.8	-30.6	0	19.83	43.52	-23.69	0-360	201	H
7	99.6575	37.98	Pk	10.2	-30.5	0	17.68	43.52	-25.84	0-360	100	V
8	227.3	29.17	Pk	10.8	-29.5	0	10.47	46.02	-35.55	0-360	100	V

Pk - Peak detector

9.7. WORST-CASE ABOVE 18 GHz

SPURIOUS EMISSIONS 18000 TO 26000 MHz (WORST-CASE CONFIGURATION)

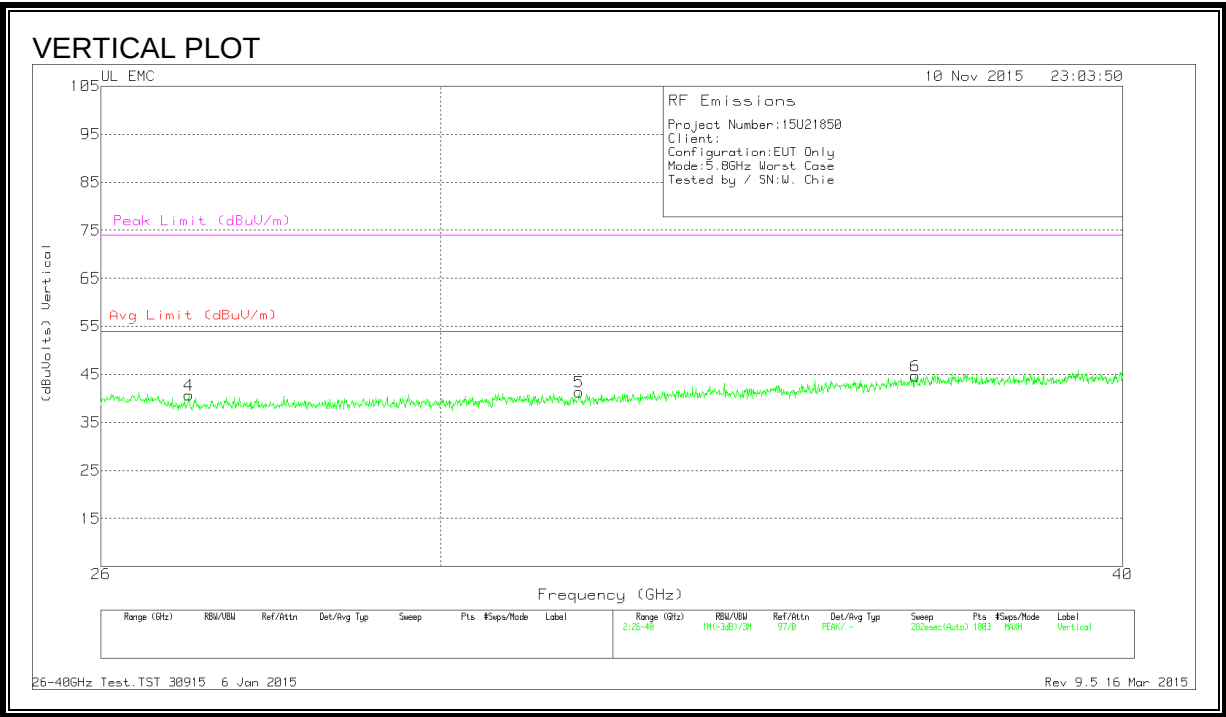
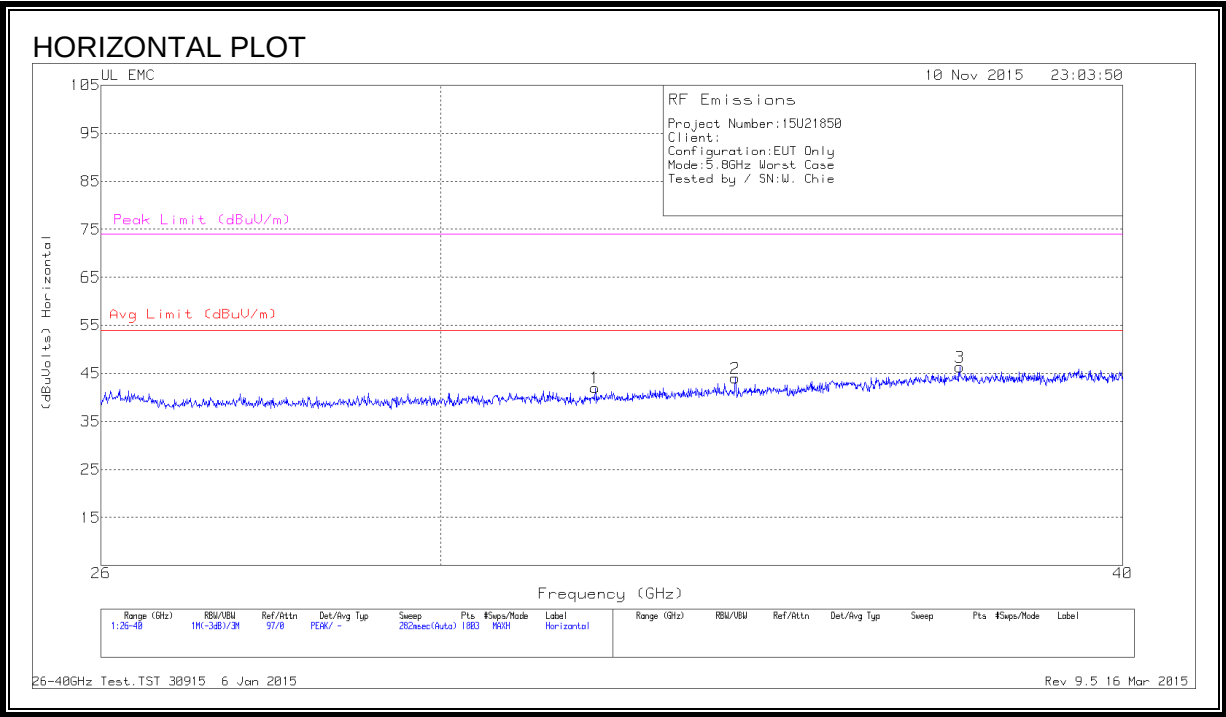


HORIZONTAL AND VERTICAL DATA

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	21.204	41.43	Pk	33.1	-24.7	-9.5	40.33	54	-13.67	74	-33.67
2	23.196	43.5	Pk	33.5	-25	-9.5	42.5	54	-11.5	74	-31.5
3	25.094	44.93	Pk	33.9	-24.5	-9.5	44.83	54	-9.17	74	-29.1
4	19.359	42	Pk	32.4	-24.9	-9.5	40.00	54	-14	74	-34
5	22.463	41.07	Pk	33.3	-24.7	-9.5	40.17	54	-13.83	74	-33.83
6	25.094	44.6	Pk	33.9	-24.5	-9.5	44.5	54	-9.5	74	-29.5

Pk - Peak detector

SPURIOUS EMISSIONS 26000 TO 40000 MHz (WORST-CASE CONFIGURATION)



HORIZONTAL AND VERTICAL DATA

Marker	Frequency (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	32.021	48.1	Pk	36.2	-32.8	-9.5	42	54	-12	74	-32
2	33.971	49.6	Pk	36.9	-33	-9.5	44	54	-10	74	-30
3	37.343	51.53	Pk	37.3	-33	-9.5	46.33	54	-7.67	74	-27.67
4	26.979	45.27	Pk	35.5	-30.6	-9.5	40.67	54	-13.33	74	-33.33
5	31.804	47.33	Pk	36.3	-32.8	-9.5	41.33	54	-12.667	74	-32.67
6	36.651	50.17	Pk	37.1	-33.1	-9.5	44.67	54	-9.33	74	-29.33

Pk - Peak detector

10. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

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

*Decreases with the logarithm of the frequency.

TEST PROCEDURE

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

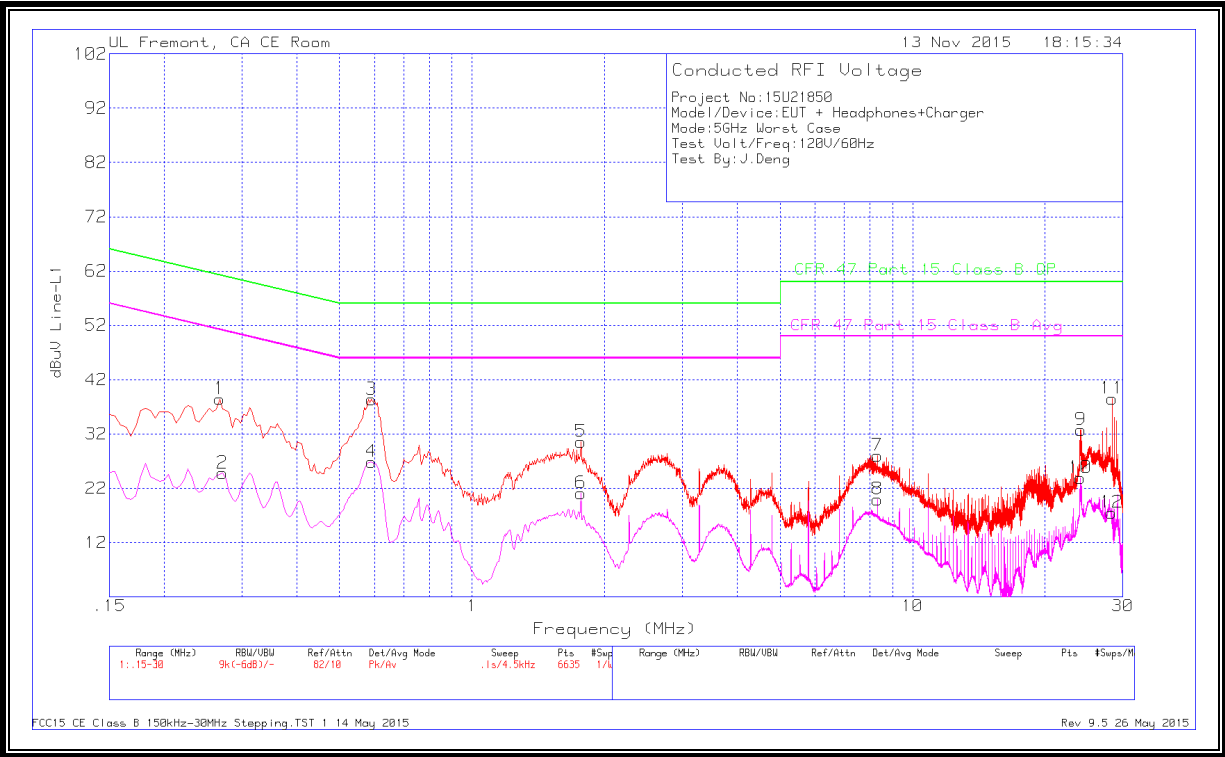
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

Line conducted data is recorded for both NEUTRAL and HOT lines.

RESULTS

10.1. EUT POWERED BY AC/DC ADAPTER

LINE 1 RESULTS



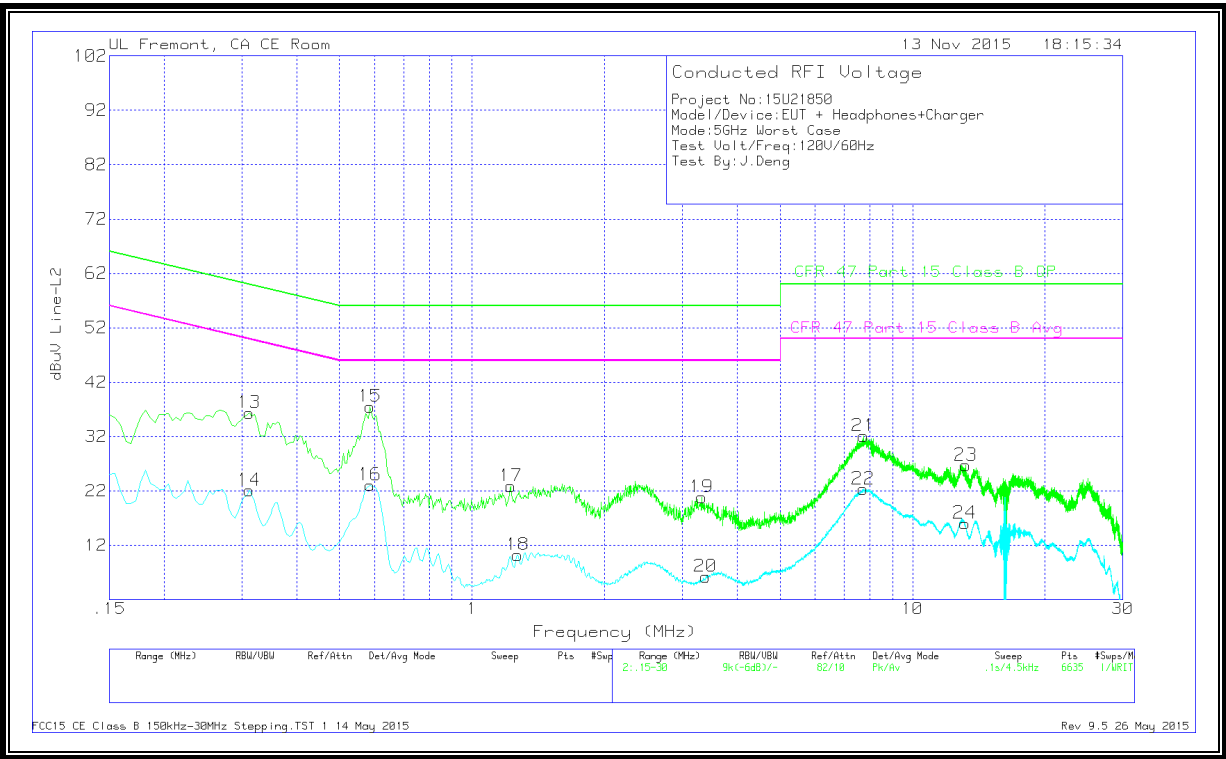
WORST EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1	LC Cables 1&3	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	Margin (dB)	CFR 47 Part 15 Class B Avg	Margin (dB)
1	.267	37.84	Pk	.6	0	38.44	61.21	-22.77	-	-
2	.2715	24.17	Av	.6	0	24.77	-	-	51.07	-26.3
3	.591	38.04	Pk	.3	0	38.34	56	-17.66	-	-
4	.591	26.58	Av	.3	0	26.88	-	-	46	-19.12
5	1.7655	30.27	Pk	.2	.1	30.57	56	-25.43	-	-
6	1.7655	20.81	Av	.2	.1	21.11	-	-	46	-24.89
7	8.3265	27.68	Pk	.2	.1	27.98	60	-32.02	-	-
8	8.3265	19.67	Av	.2	.1	19.97	-	-	50	-30.03
9	24.1035	32.26	Pk	.3	.2	32.76	60	-27.24	-	-
10	24.045	23.4	Av	.3	.2	23.9	-	-	50	-26.1
11	28.383	37.93	Pk	.3	.3	38.53	60	-21.47	-	-
12	28.32	16.93	Av	.3	.3	17.53	-	-	50	-32.47

Pk - Peak detector

Av - Average detection

LINE 2 RESULTS



WORST EMISSIONS

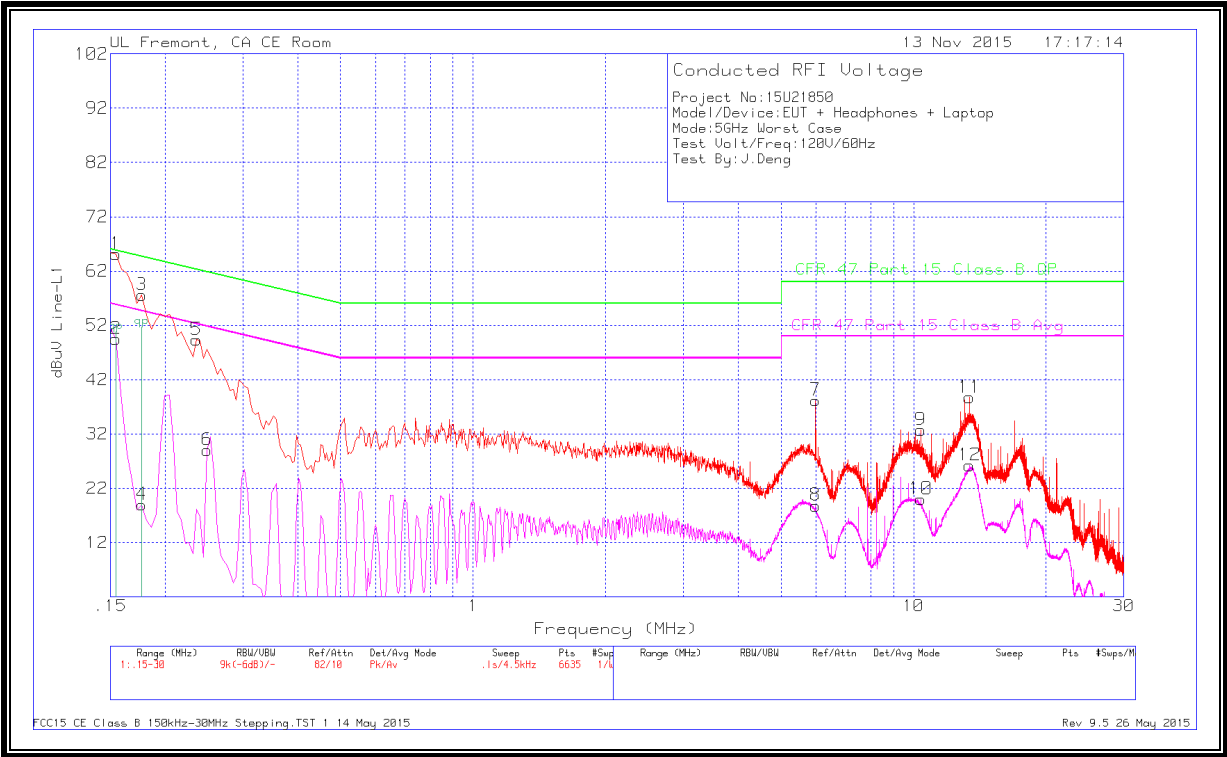
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2	LC Cables 2&3	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	Margin (dB)	CFR 47 Part 15 Class B Avg	Margin (dB)
13	.312	35.76	Pk	.6	0	36.36	59.92	-23.56	-	-
14	.312	21.47	Av	.6	0	22.07	-	-	49.92	-27.85
15	.5865	37.21	Pk	.3	0	37.51	56	-18.49	-	-
16	.5865	22.76	Av	.3	0	23.06	-	-	46	-22.94
17	1.2255	22.58	Pk	.2	.1	22.88	56	-33.12	-	-
18	1.2705	9.92	Av	.2	.1	10.22	-	-	46	-35.78
19	3.3225	20.53	Pk	.2	.1	20.83	56	-35.17	-	-
20	3.39	5.92	Av	.2	.1	6.22	-	-	46	-39.78
21	7.737	31.8	Pk	.2	.1	32.1	60	-27.9	-	-
22	7.728	22.03	Av	.2	.1	22.33	-	-	50	-27.67
23	13.2135	26.29	Pk	.2	.2	26.69	60	-33.31	-	-
24	13.146	15.62	Av	.2	.2	16.02	-	-	50	-33.98

Pk - Peak detector

Av - Average detection

10.2. EUT POWERED BY HOST PC VIA USB CABLE

LINE 1 RESULTS



WORST EMISSIONS

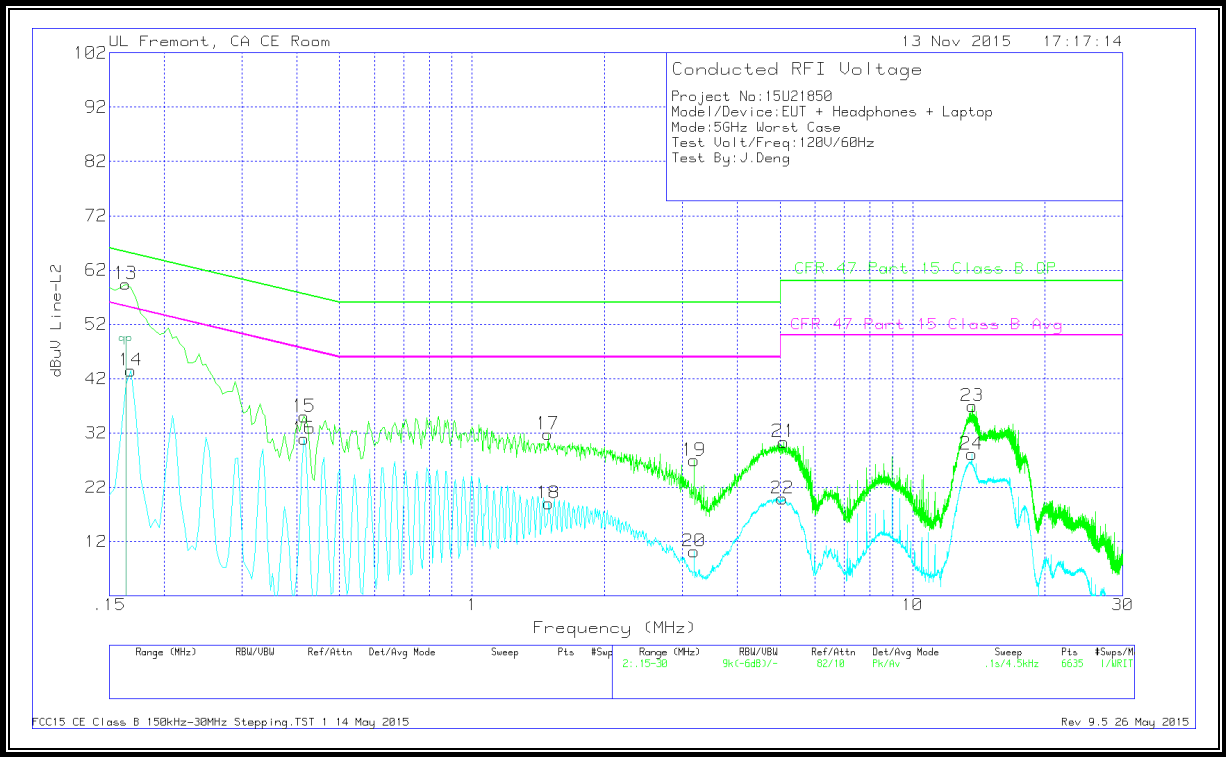
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1	LC Cables 1&3	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	Margin (dB)	CFR 47 Part 15 Class B Avg	Margin (dB)
1	.1545	49.56	Qp	1.3	0	50.86	65.75	-14.89	-	-
2	.1545	48.23	Av	1.3	0	49.53	-	-	55.75	-6.22
3	.177	50.64	Qp	1.1	0	51.74	64.63	-12.89	-	-
4	.177	17.88	Av	1.1	0	18.98	-	-	54.63	-35.65
5	.2355	48.54	Pk	.8	0	49.34	62.25	-12.91	-	-
6	.249	28.36	Av	.7	0	29.06	-	-	51.79	-22.73
7	5.991	37.89	Pk	.2	.1	38.19	60	-21.81	-	-
8	5.991	18.53	Av	.2	.1	18.83	-	-	50	-31.17
9	10.3875	32.32	Pk	.2	.2	32.72	60	-27.28	-	-
10	10.3875	19.59	Av	.2	.2	19.99	-	-	50	-30.01
11	13.407	38.33	Pk	.2	.2	38.73	60	-21.27	-	-
12	13.407	25.84	Av	.2	.2	26.24	-	-	50	-23.76

Pk - Peak detector

Av - Average detection

Qp - Quasi-Peak detector

LINE 2 RESULTS



WORST EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2	LC Cables 2&3	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	Margin (dB)	CFR 47 Part 15 Class B Avg	Margin (dB)
13	.1635	47.09	Qp	1.3	0	48.39	65.28	-16.89	-	-
14	.168	42.2	Av	1.3	0	43.5	-	-	55.06	-11.56
15	.4155	34.62	Pk	.4	0	35.02	57.54	-22.52	-	-
16	.4155	30.55	Av	.4	0	30.95	-	-	47.54	-16.59
17	1.4865	31.49	Pk	.2	.1	31.79	56	-24.21	-	-
18	1.491	18.74	Av	.2	.1	19.04	-	-	46	-26.96
19	3.192	26.65	Pk	.2	.1	26.95	56	-29.05	-	-
20	3.192	9.9	Av	.2	.1	10.2	-	-	46	-35.8
21	5.0955	30.05	Pk	.2	.1	30.35	60	-29.65	-	-
22	5.064	19.61	Av	.2	.1	19.91	-	-	50	-30.09
23	13.668	36.57	Pk	.2	.2	36.97	60	-23.03	-	-
24	13.6275	27.69	Av	.2	.2	28.09	-	-	50	-21.91

Pk - Peak detector

Av - Average detection

Qp - Quasi-Peak detector