

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.

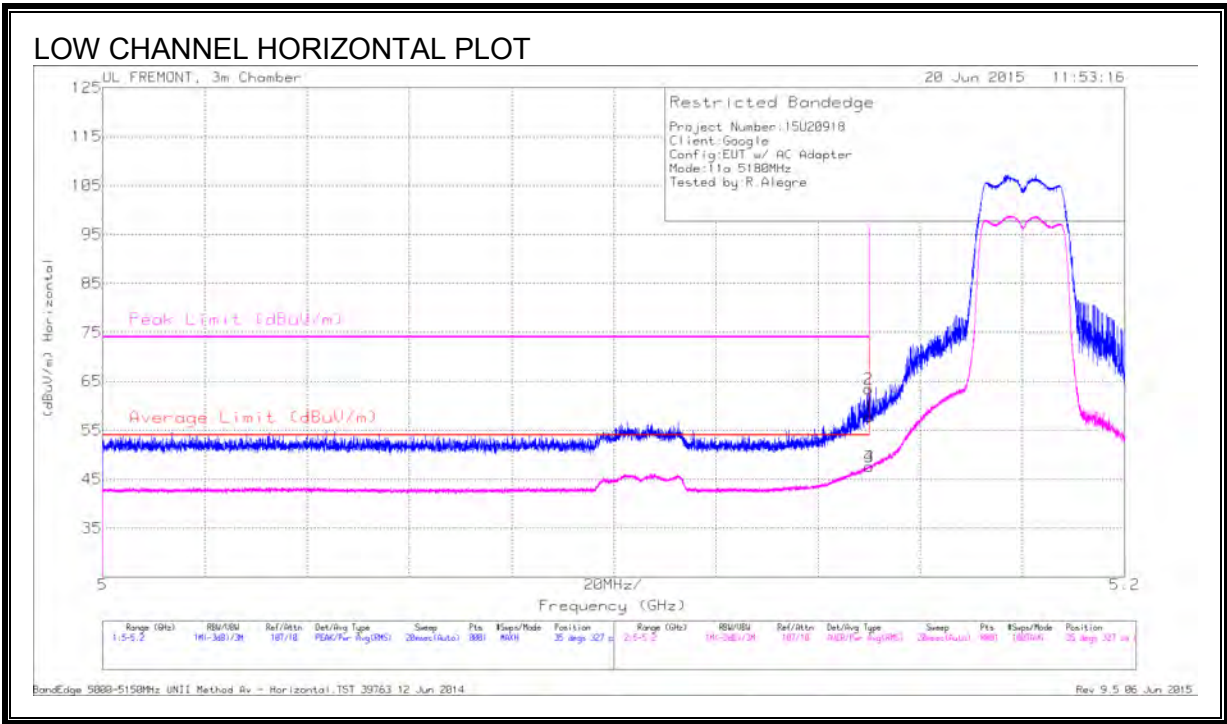
For measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and using reduced VB method for average measurement.

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.

9.2. 802.11a MODE IN THE 5.2 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

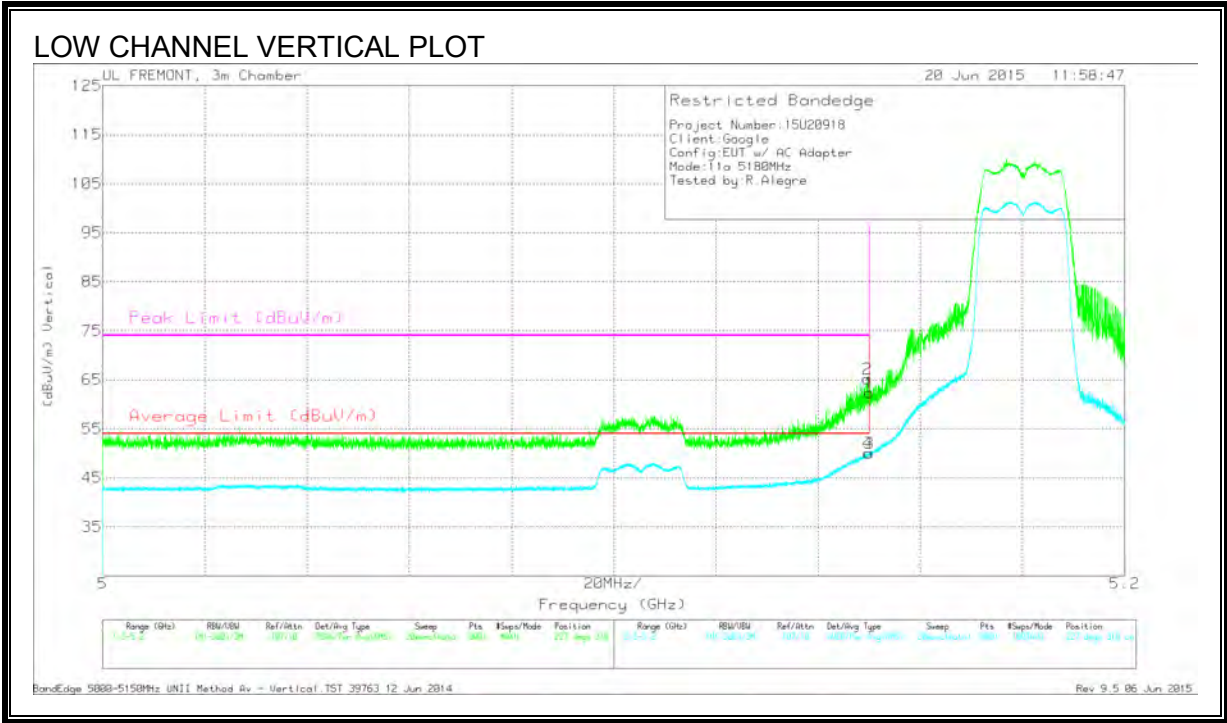


DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT119 (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	44.31	Pk	34.2	-20.8	57.71	-	-	74	-16.29	35	327	H
2	5.15	50	Pk	34.2	-20.8	63.4	-	-	74	-10.6	35	327	H
3	5.15	34.16	RMS	34.2	-20.8	47.56	54	-6.44	-	-	35	327	H
4	5.15	34.22	RMS	34.2	-20.8	47.62	54	-6.38	-	-	35	327	H

Pk - Peak detector

RMS - RMS detection



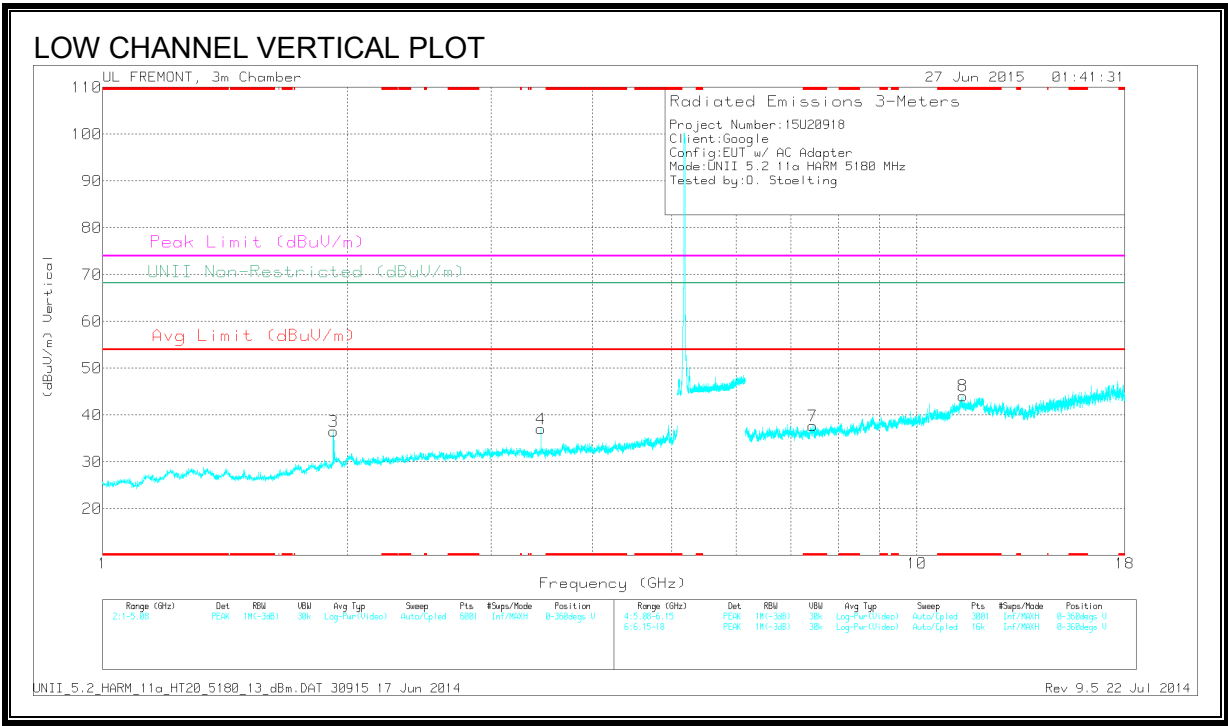
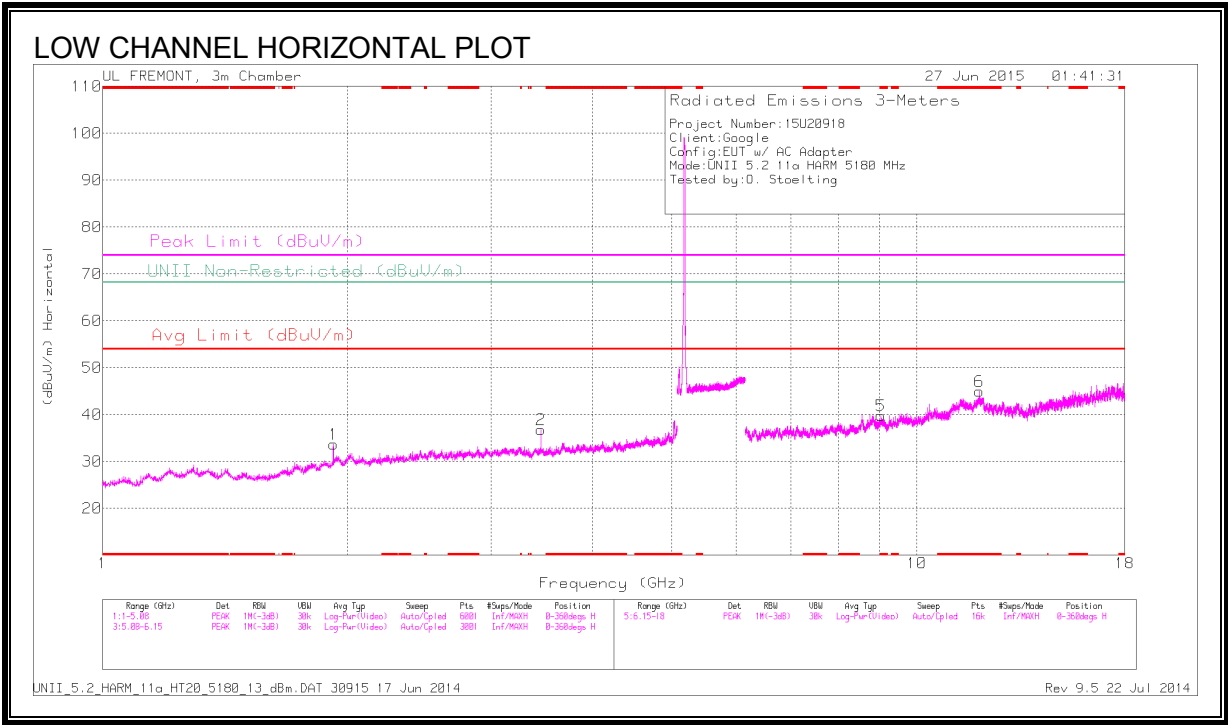
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Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT119 (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	48.91	Pk	34.2	-20.8	62.31	-	-	74	-11.69	227	318	V
2	5.15	51.83	Pk	34.2	-20.8	65.23	-	-	74	-8.77	227	318	V
3	5.15	36.62	RMS	34.2	-20.8	50.02	54	-3.98	-	-	227	318	V
4	5.15	36.66	RMS	34.2	-20.8	50.06	54	-3.94	-	-	227	318	V

Pk - Peak detector

RMS - RMS detection

LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

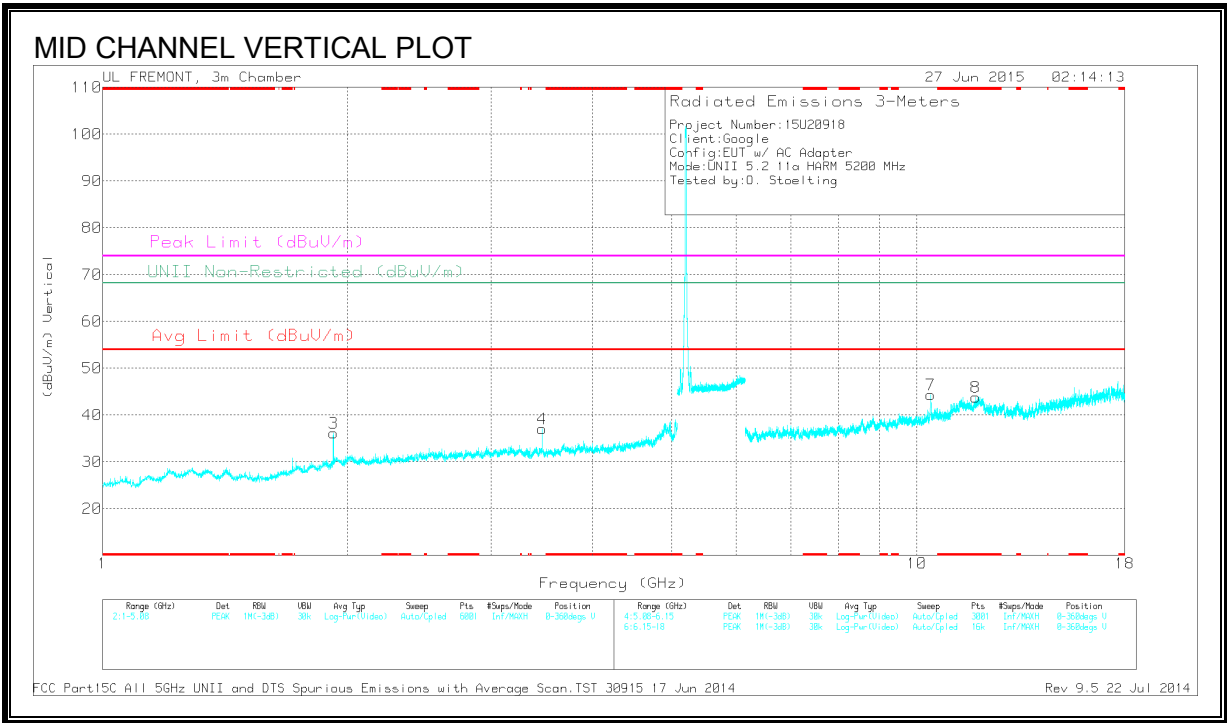
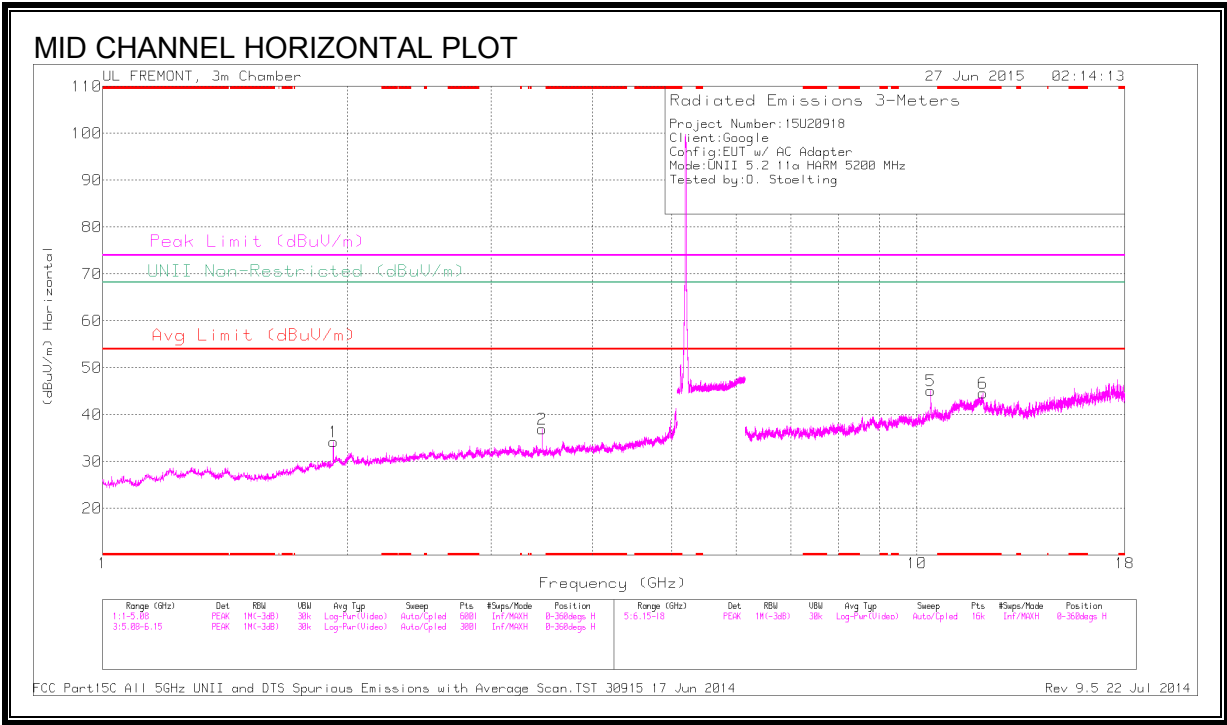
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	* 9.036	37.77	PK1	36.1	-23.7	0	50.17	-	-	74	-23.83	-	-	110	180	H
	* 9.033	24.6	AD1	36.1	-23.7	.03	37.03	54	-16.97	-	-	-	-	110	180	H
6	* 11.924	37.4	PK1	39.1	-23.6	0	52.9	-	-	74	-21.1	-	-	118	393	H
	* 11.926	25.31	AD1	39.1	-23.6	.03	40.84	54	-13.16	-	-	-	-	118	393	H
7	* 7.447	38.1	PK1	35.7	-27.7	0	46.1	-	-	74	-27.9	-	-	237	339	V
	* 7.444	26.34	AD1	35.7	-27.8	.03	34.27	54	-19.73	-	-	-	-	237	339	V
8	* 11.387	36.79	PK1	38.2	-23.2	0	51.79	-	-	74	-22.21	-	-	313	260	V
	* 11.388	24.93	AD1	38.2	-23.2	.03	39.96	54	-14.04	-	-	-	-	313	260	V
1	1.92	43.11	PK1	31.2	-32	0	42.31	-	-	-	-	68.2	-25.89	122	143	H
3	1.92	44.34	PK1	31.2	-32	0	43.54	-	-	-	-	68.2	-24.66	341	113	V
2	3.453	42.07	PK1	32.8	-30.5	0	44.37	-	-	-	-	68.2	-23.83	197	108	H
4	3.453	42.29	PK1	32.8	-30.5	0	44.59	-	-	-	-	68.2	-23.61	336	305	V

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

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

MID CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

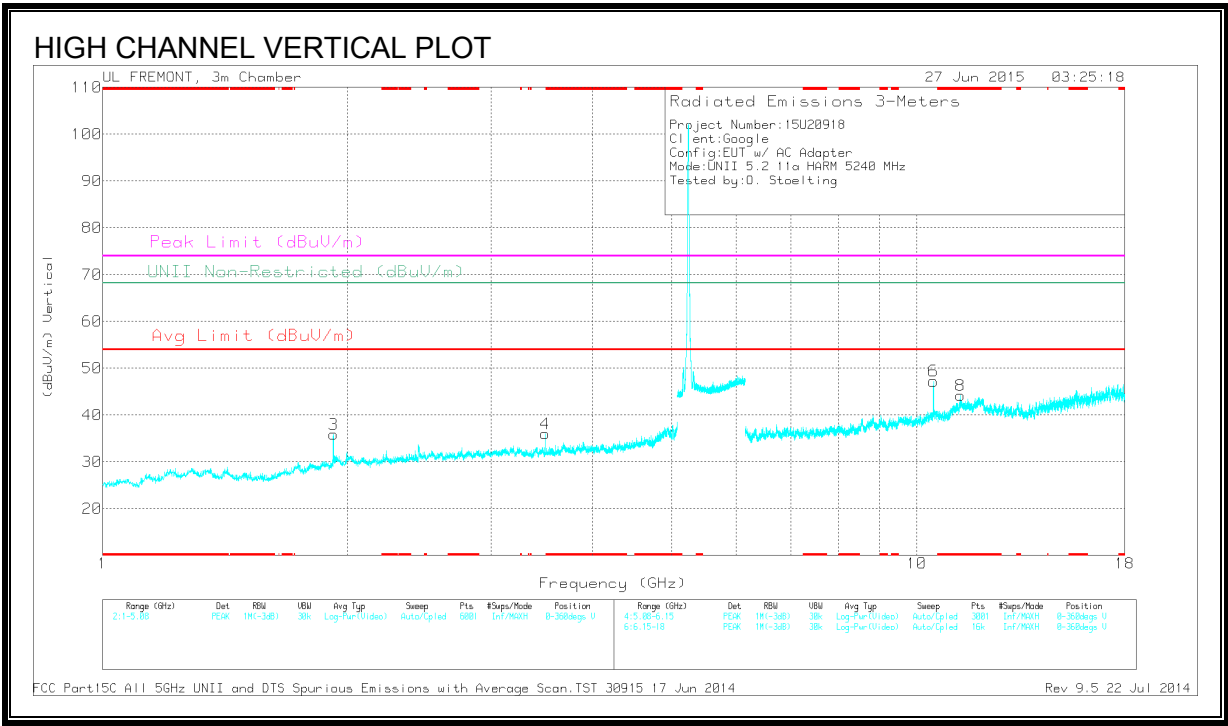
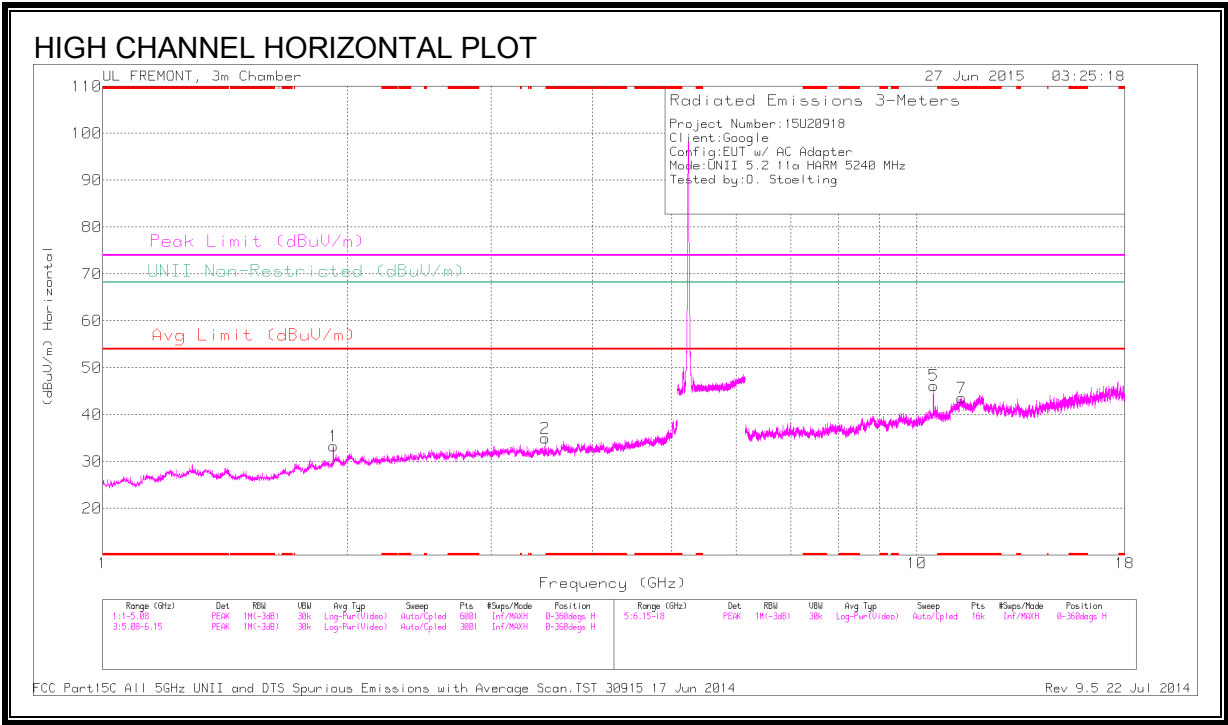
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6	* 12.051	36.42	PK1	39.1	-23.6	0	51.92	-	-	74	-22.08	-	-	360	200	H
	* 12.051	25.41	AD1	39.1	-23.6	.03	40.94	54	-13.06	-	-	-	-	360	200	H
8	* 11.804	37.56	PK1	39	-23.6	0	52.96	-	-	74	-21.04	-	-	360	100	V
	* 11.805	25.9	AD1	39	-23.6	.03	41.33	54	-12.67	-	-	-	-	360	100	V
1	1.92	42.91	PK1	31.2	-32	0	42.11	-	-	-	-	68.2	-26.09	125	146	H
3	1.92	44.44	PK1	31.2	-32	0	43.64	-	-	-	-	68.2	-24.56	345	115	V
2	3.467	42.95	PK1	32.8	-30.5	0	45.25	-	-	-	-	68.2	-22.95	187	104	H
4	3.467	43.48	PK1	32.8	-30.5	0	45.78	-	-	-	-	68.2	-22.42	349	205	V
5	10.4	32.11	PK1	37.3	-24.3	0	45.11	-	-	-	-	68.2	-23.09	0-360	100	H
7	10.402	31.37	PK1	37.3	-24.3	0	44.37	-	-	-	-	68.2	-23.83	0-360	200	V

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

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

HIGH CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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
7	* 11.343	36.66	PK1	38.1	-22.7	0	52.06	-	-	74	-21.94	-	-	35	195	H
	* 11.345	24.61	AD1	38.1	-22.8	.03	39.94	54	-14.06	-	-	-	-	35	195	H
8	* 11.305	36.43	PK1	38.1	-22.9	0	51.63	-	-	74	-22.37	-	-	324	166	V
	* 11.305	24.68	AD1	38.1	-22.9	.03	39.91	54	-14.09	-	-	-	-	324	166	V
1	1.92	43.03	PK1	31.2	-32	0	42.23	-	-	-	-	68.2	-25.97	123	127	H
3	1.92	43.79	PK1	31.2	-32	0	42.99	-	-	-	-	68.2	-25.21	342	109	V
2	3.493	41.44	PK1	32.8	-30.8	0	43.44	-	-	-	-	68.2	-24.76	200	188	H
4	3.494	42.67	PK1	32.8	-30.8	0	44.67	-	-	-	-	68.2	-23.53	333	264	V
5	10.48	41.98	PK1	37.4	-24.2	0	55.18	-	-	-	-	68.2	-13.02	0	127	H
6	10.481	43.29	PK1	37.4	-24.2	0	56.49	-	-	-	-	68.2	-11.71	208	164	V

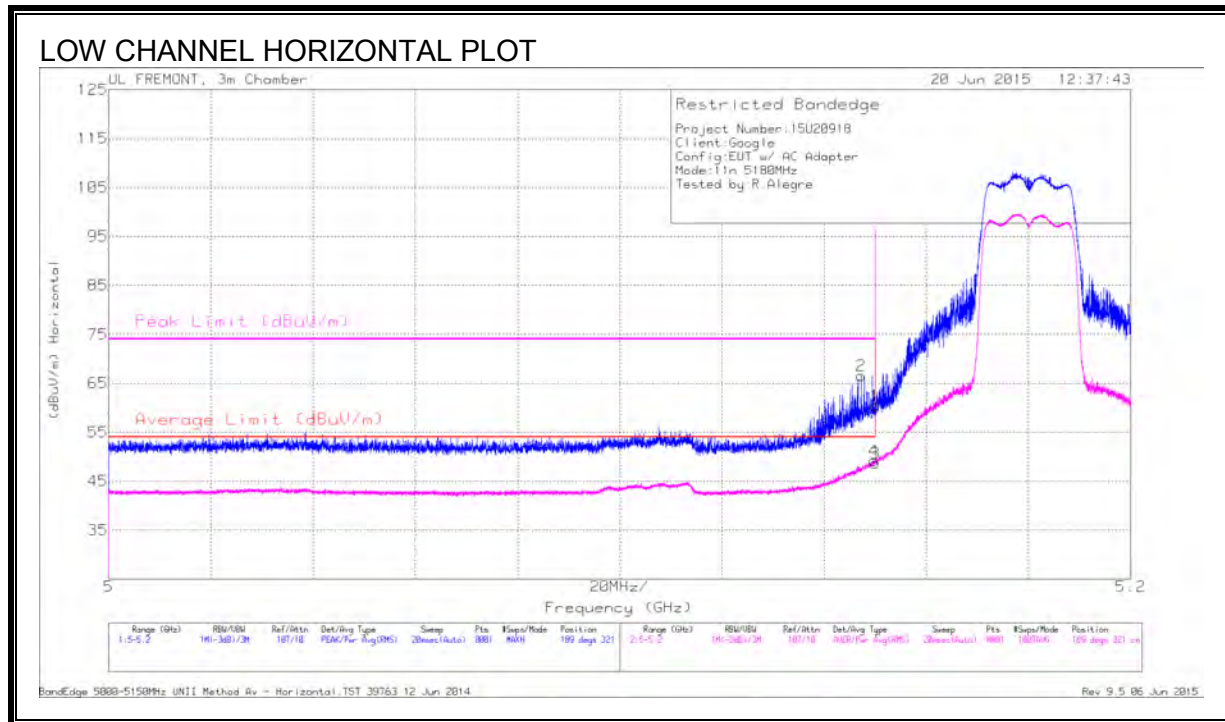
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

9.3. 802.11n HT20 MODE IN THE 5.2 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

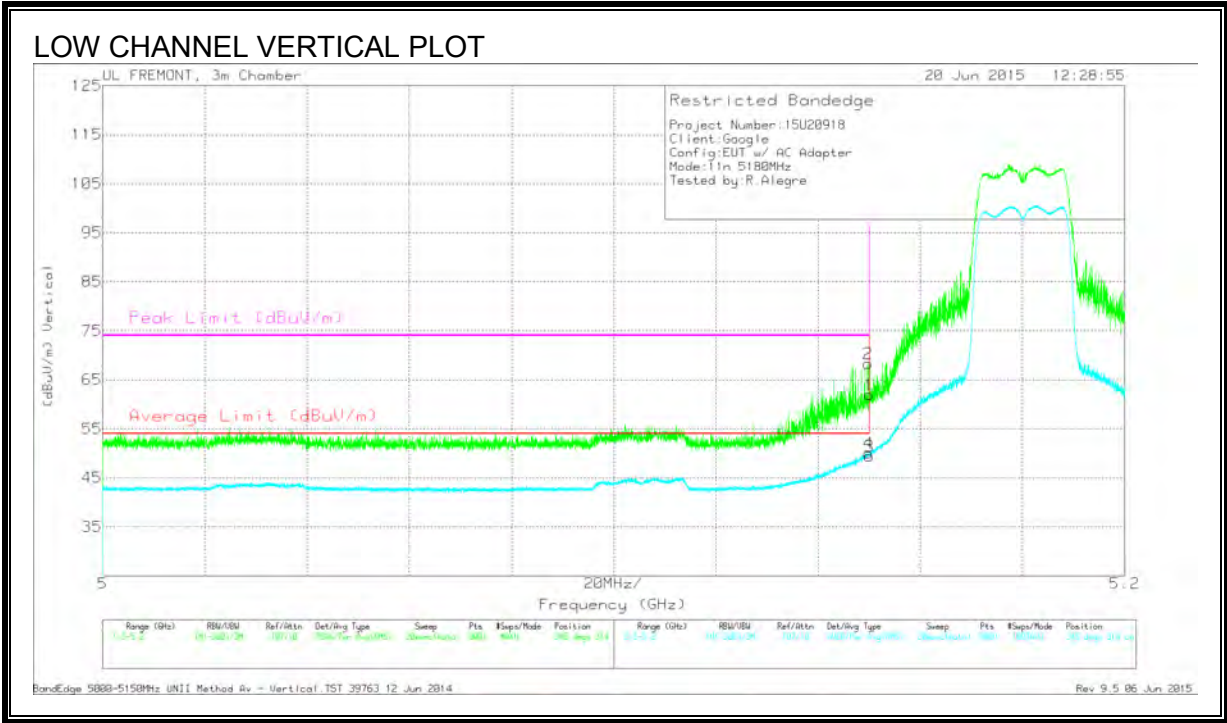


DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT119 (dB/m)	Amp/Cb/ Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.147	53.15	Pk	34.2	-20.8	66.55	-	-	74	-7.45	189	321	H
1	5.15	47.06	Pk	34.2	-20.8	60.46	-	-	74	-13.54	189	321	H
3	5.15	35.24	RMS	34.2	-20.8	48.64	54	-5.36	-	-	189	321	H
4	5.15	35.73	RMS	34.2	-20.8	49.13	54	-4.87	-	-	189	321	H

Pk - Peak detector

RMS - RMS detection



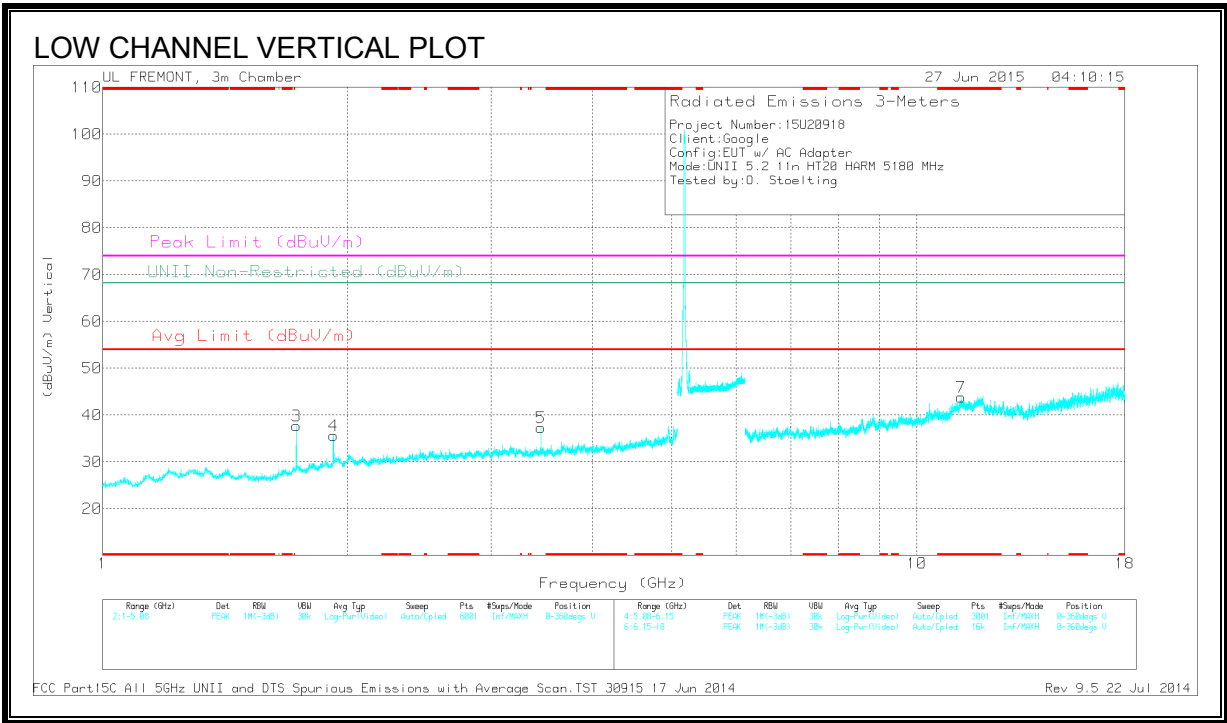
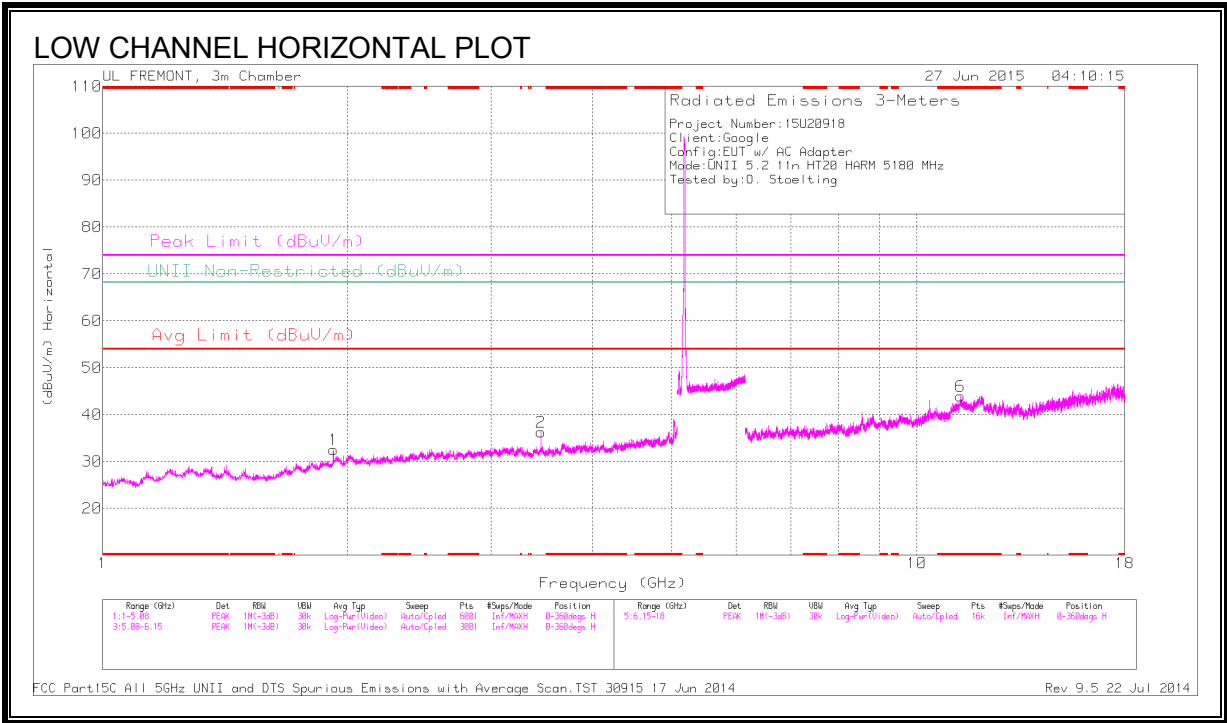
DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT119 (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	48.55	Pk	34.2	-20.8	61.95	-	-	74	-12.05	345	314	V
2	5.15	54.87	Pk	34.2	-20.8	68.27	-	-	74	-5.73	345	314	V
3	5.15	35.98	RMS	34.2	-20.8	49.38	54	-4.62	-	-	345	314	V
4	5.15	36.69	RMS	34.2	-20.8	50.09	54	-3.91	-	-	345	314	V

Pk - Peak detector

RMS - RMS detection

LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

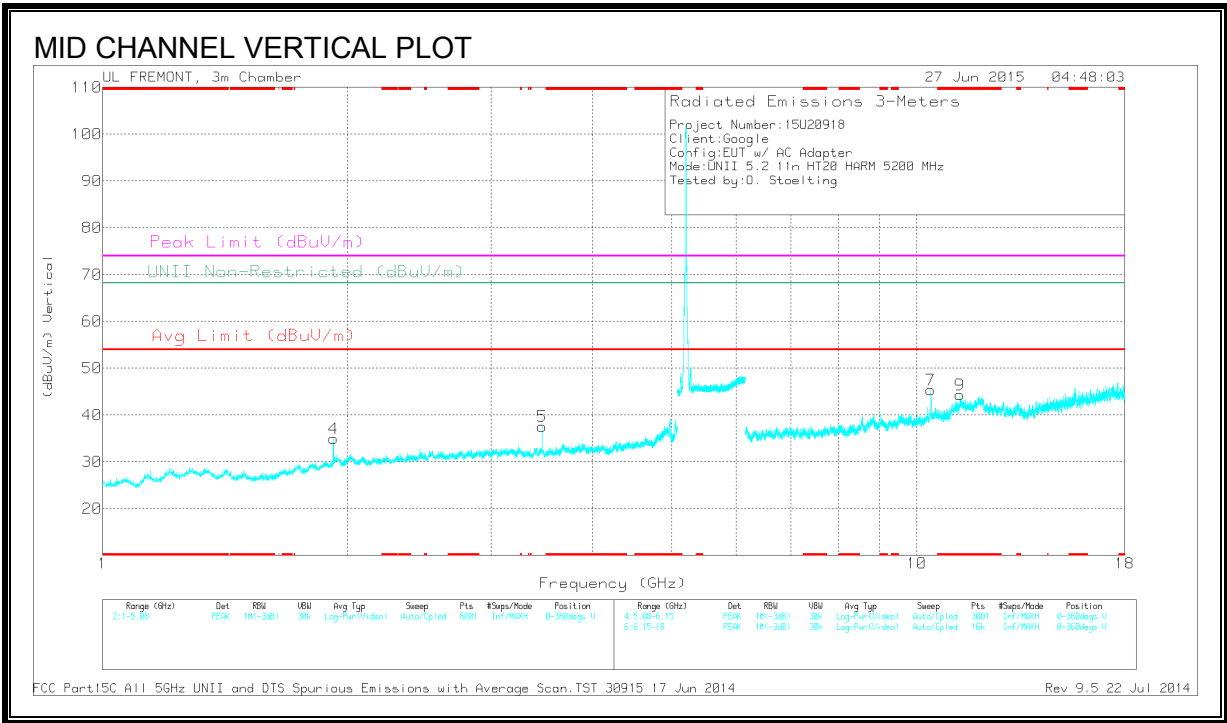
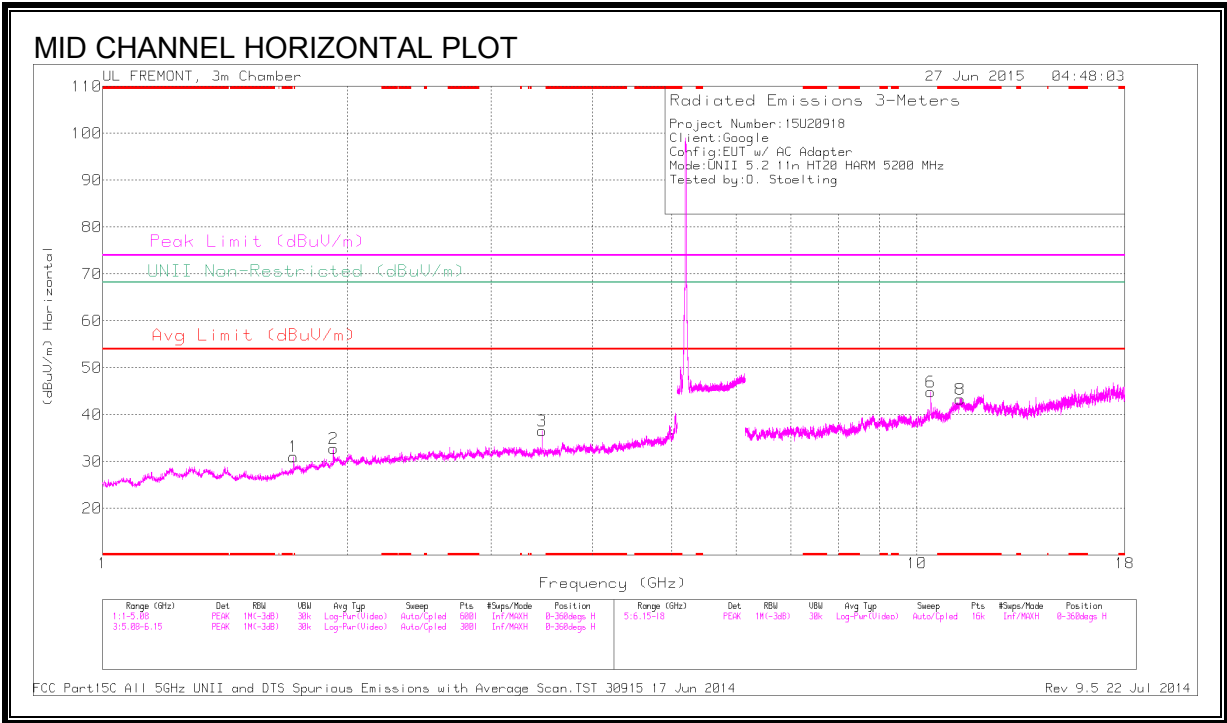
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6	* 11.312	35.58	PK1	38.1	-23.1	0	50.58	-	-	74	-23.42	-	-	360	100	H
	* 11.313	24.86	AD1	38.1	-23.1	.01	39.87	54	-14.13	-	-	-	-	360	100	H
7	* 11.325	35.97	PK1	38.1	-23	0	51.07	-	-	74	-22.93	-	-	360	100	V
	* 11.325	24.83	AD1	38.1	-23	.01	39.94	54	-14.06	-	-	-	-	360	100	V
3	1.73	41.19	PK1	29.4	-31.5	0	39.09	-	-	-	-	68.2	-29.11	40	339	V
1	1.92	43.06	PK1	31.2	-32	0	42.26	-	-	-	-	68.2	-25.94	122	128	H
4	1.92	44.78	PK1	31.2	-32	0	43.98	-	-	-	-	68.2	-24.22	248	167	V
2	3.453	42	PK1	32.8	-30.5	0	44.3	-	-	-	-	68.2	-23.9	300	268	V
5	3.454	42.1	PK1	32.8	-30.5	0	44.4	-	-	-	-	68.2	-23.8	216	106	H

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

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

MID CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

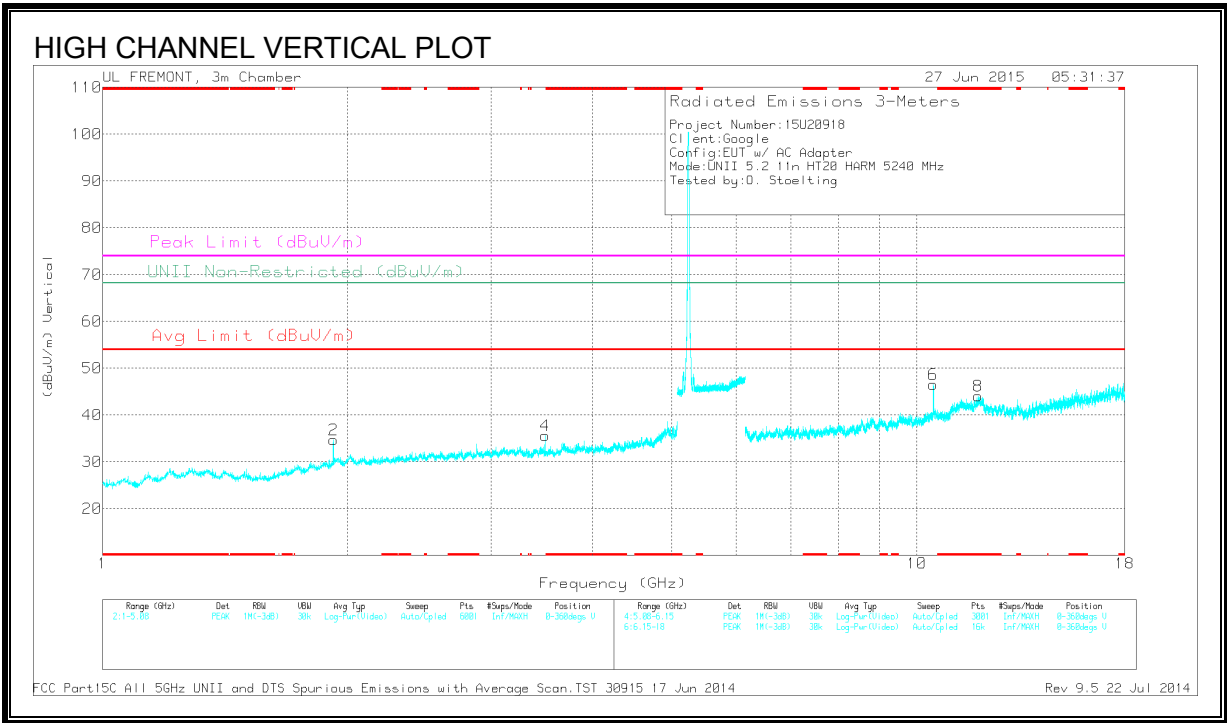
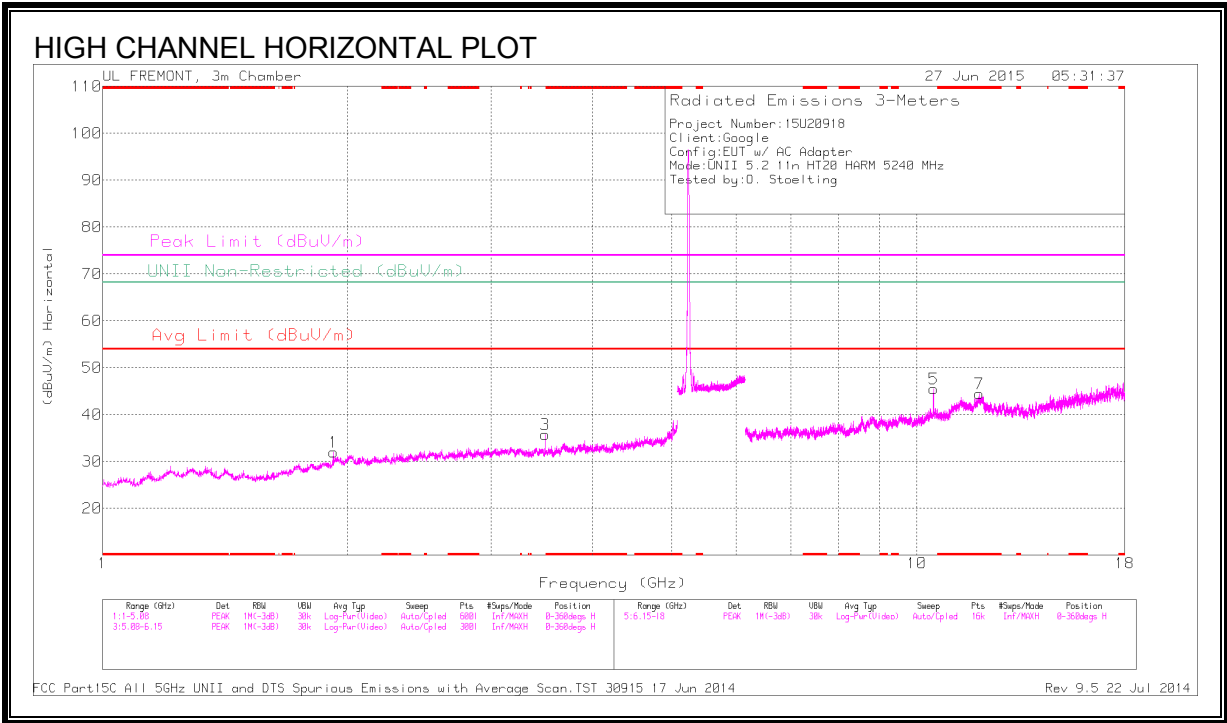
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
8	* 11.303	36.38	PK1	38.1	-22.8	0	51.68	-	-	74	-22.32	-	-	360	100	H
	* 11.304	25.01	AD1	38.1	-22.9	.01	40.22	54	-13.78	-	-	-	-	360	100	H
9	* 11.301	36.23	PK1	38.1	-22.8	0	51.53	-	-	74	-22.47	-	-	360	100	V
	* 11.301	25.14	AD1	38.1	-22.8	.01	40.45	54	-13.55	-	-	-	-	360	100	V
1	1.717	40.66	PK1	29.2	-31.5	0	38.36	-	-	-	-	68.2	-29.84	100	207	H
2	1.92	42.69	PK1	31.2	-32	0	41.89	-	-	-	-	68.2	-26.31	316	104	H
4	1.92	44.96	PK1	31.2	-32	0	44.16	-	-	-	-	68.2	-24.04	210	162	V
3	3.466	43.14	PK1	32.8	-30.5	0	45.44	-	-	-	-	68.2	-22.76	318	339	V
5	3.467	42.67	PK1	32.8	-30.5	0	44.97	-	-	-	-	68.2	-23.23	222	256	H
6	10.4	42.49	PK1	37.3	-24.3	0	55.49	-	-	-	-	68.2	-12.71	244	156	H
7	10.404	41.38	PK1	37.3	-24.3	0	54.38	-	-	-	-	68.2	-13.82	210	151	V

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

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

HIGH CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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
7	* 11.928	36.95	PK1	39.1	-23.6	0	52.45	-	-	74	-21.55	-	-	360	100	H
	* 11.926	25.9	AD1	39.1	-23.6	.01	41.41	54	-12.59	-	-	-	-	360	100	H
8	* 11.884	37.69	PK1	39.1	-23.3	0	53.49	-	-	74	-20.51	-	-	360	200	V
	* 11.882	25.47	AD1	39.1	-23.3	.01	41.28	54	-12.72	-	-	-	-	360	200	V
1	1.92	41.8	PK1	31.2	-32	0	41	-	-	-	-	68.2	-27.2	59	266	H
2	1.92	45.05	PK1	31.2	-32	0	44.25	-	-	-	-	68.2	-23.95	211	164	V
3	3.493	42.01	PK1	32.8	-30.8	0	44.01	-	-	-	-	68.2	-24.19	176	105	H
4	3.493	42.48	PK1	32.8	-30.9	0	44.38	-	-	-	-	68.2	-23.82	337	396	V
6	10.479	44.62	PK1	37.4	-24.2	0	57.82	-	-	-	-	68.2	-10.38	217	234	V
5	10.485	42.07	PK1	37.4	-24.3	0	55.17	-	-	-	-	68.2	-13.03	10	107	H

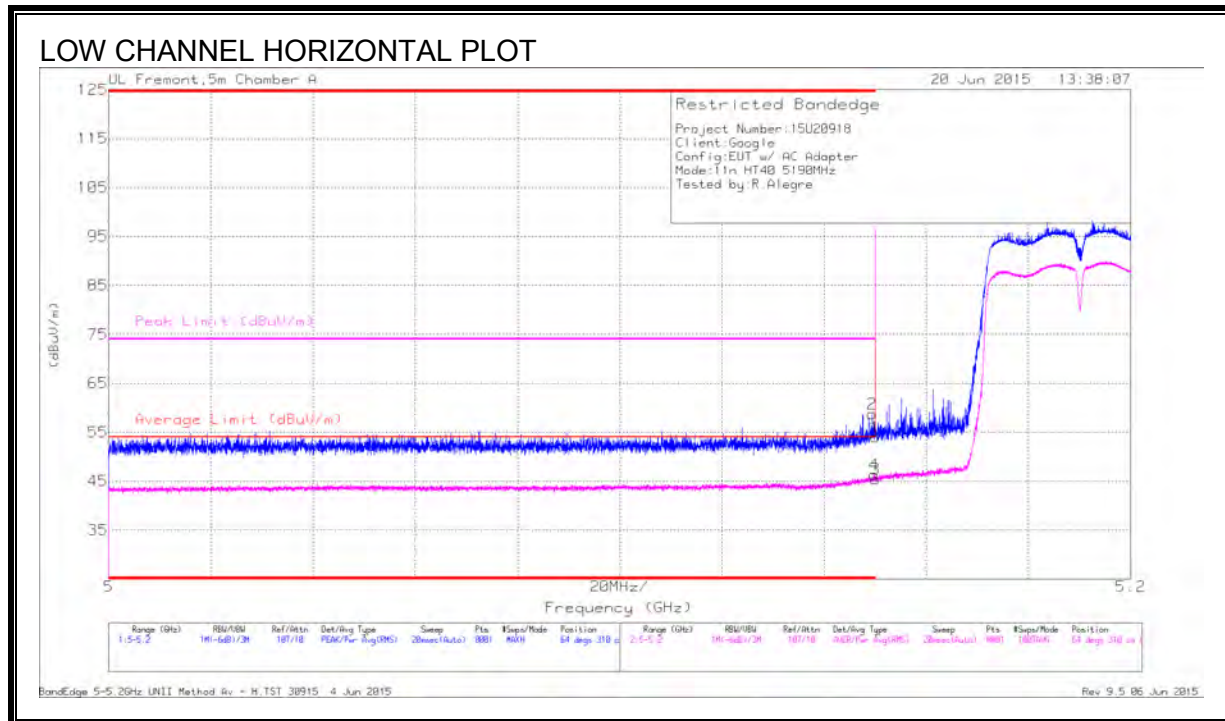
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

9.4. 802.11n HT40 MODE IN THE 5.2 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



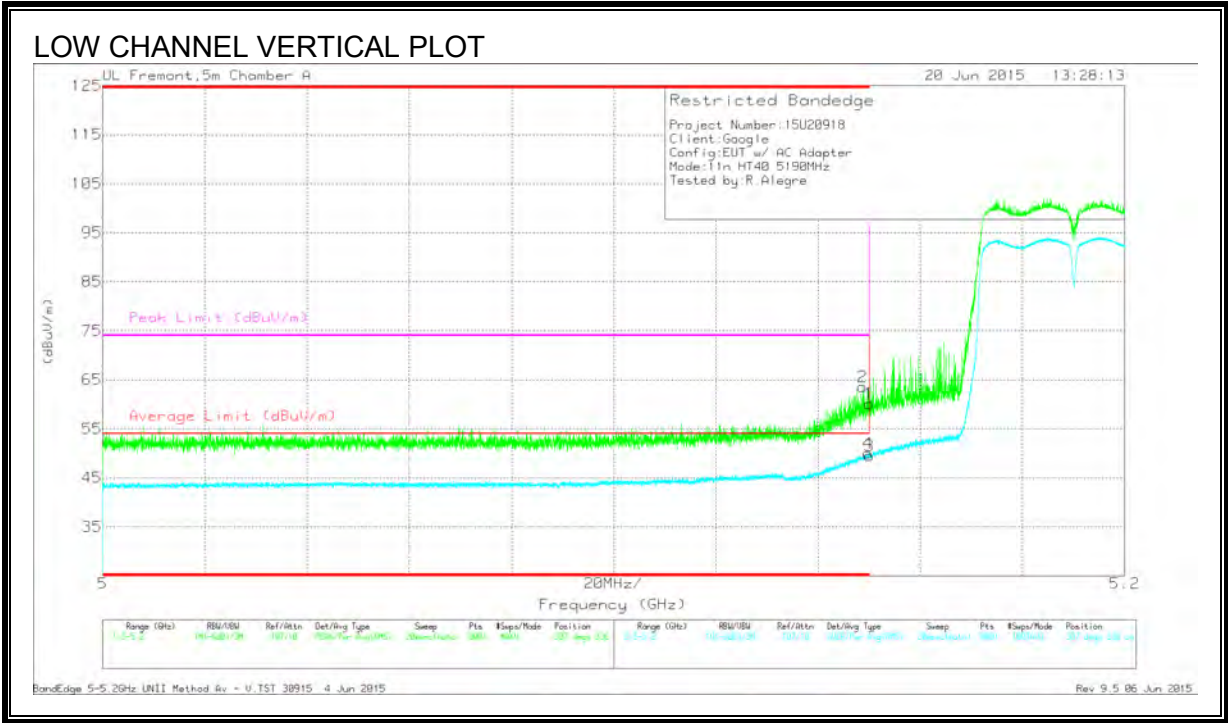
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Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT136 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	41.26	Pk	34.2	-21.5	53.96	-	-	74	-20.04	64	310	H
2	* 5.149	45.98	Pk	34.2	-21.5	58.68	-	-	74	-15.32	64	310	H
3	* 5.15	32.76	RMS	34.2	-21.5	45.46	54	-8.54	-	-	64	310	H
4	* 5.15	33.57	RMS	34.2	-21.5	46.27	54	-7.73	-	-	64	310	H

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

Pk - Peak detector

RMS - RMS detection



DATA

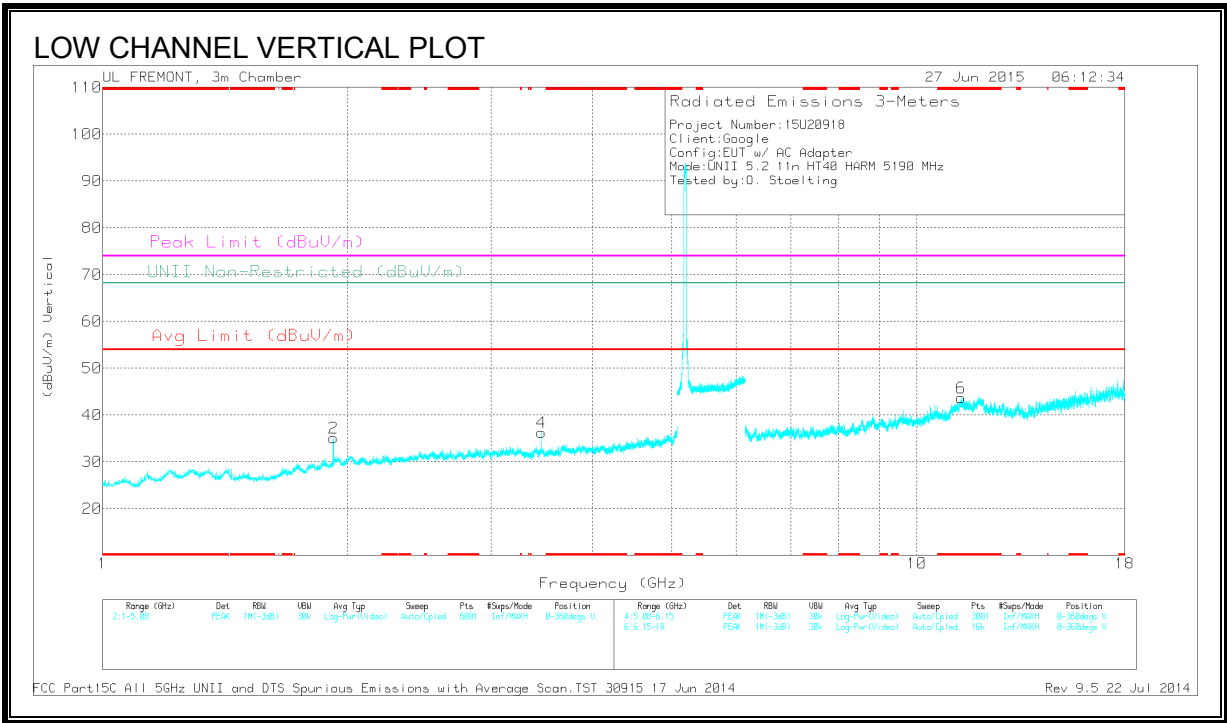
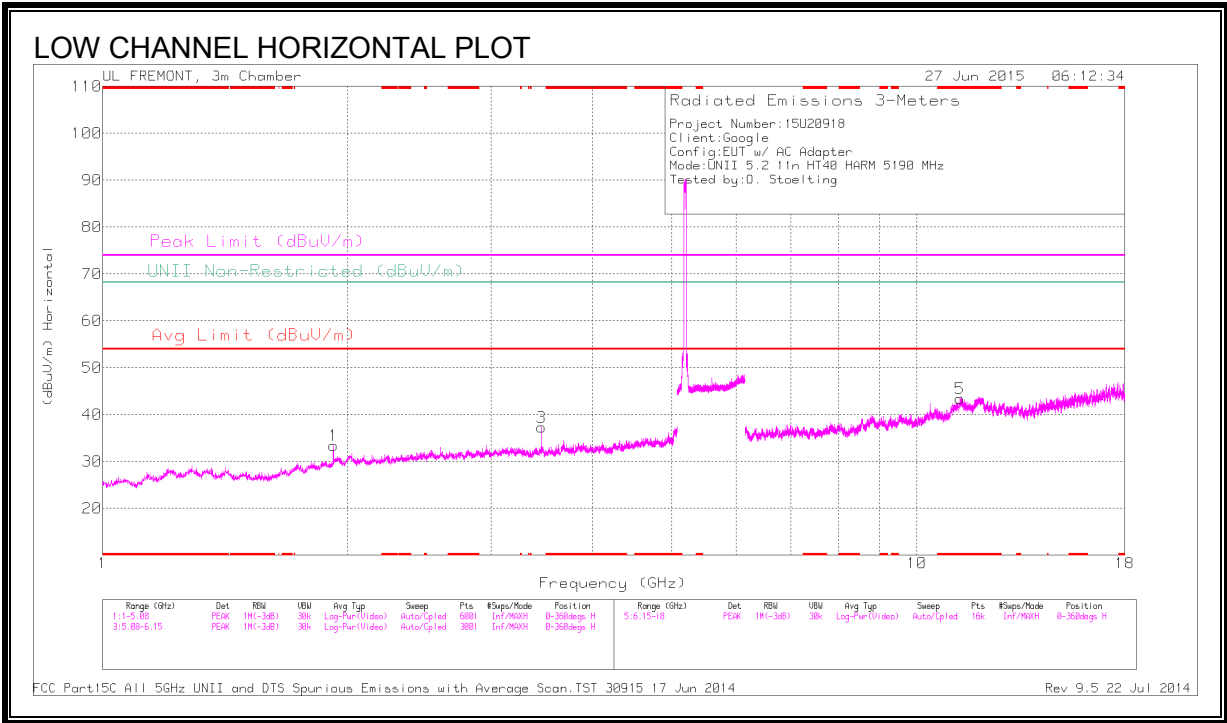
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	47.46	Pk	34.2	-21.5	60.16	-	-	74	-13.84	307	336	V
2	* 5.149	50.82	Pk	34.2	-21.5	63.52	-	-	74	-10.48	307	336	V
3	* 5.15	36.86	RMS	34.2	-21.5	49.56	54	-4.44	-	-	307	336	V
4	* 5.15	37.33	RMS	34.2	-21.5	50.03	54	-3.97	-	-	307	336	V

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

Pk - Peak detector

RMS - RMS detection

LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

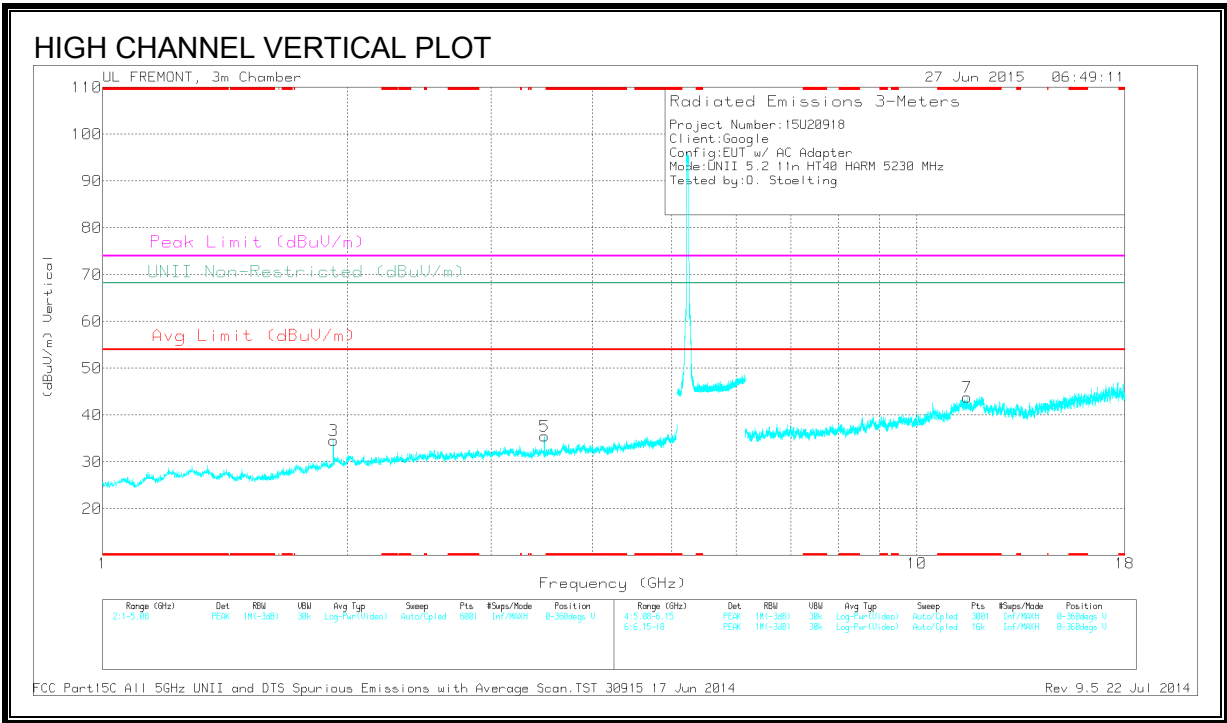
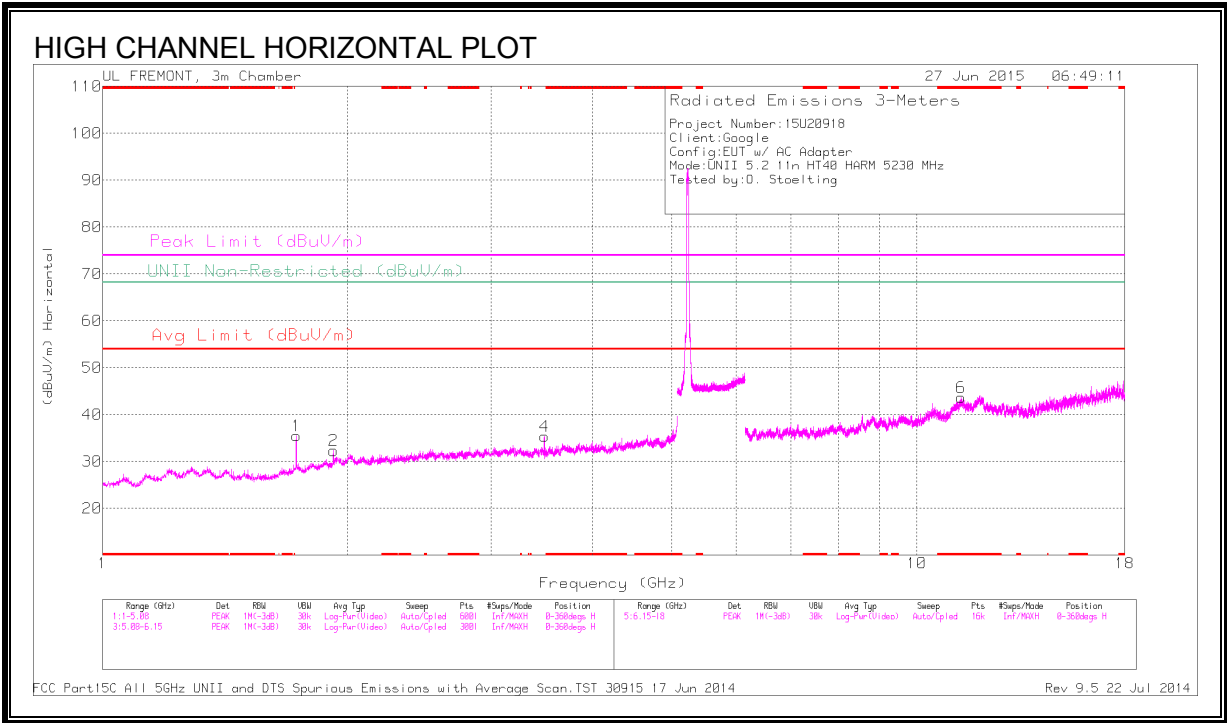
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	* 11.302	36.16	PK1	38.1	-22.8	0	51.46	-	-	74	-22.54	-	-	360	100	H
	* 11.301	24.93	AD1	38.1	-22.8	.03	40.26	54	-13.74	-	-	-	-	360	100	H
6	* 11.34	36.76	PK1	38.1	-22.7	0	52.16	-	-	74	-21.84	-	-	360	100	V
	* 11.339	25.39	AD1	38.1	-22.7	.03	40.82	54	-13.18	-	-	-	-	360	100	V
1	1.92	42.16	PK1	31.2	-32	0	41.36	-	-	-	-	68.2	-26.84	319	106	H
2	1.92	44.28	PK1	31.2	-32	0	43.48	-	-	-	-	68.2	-24.72	29	120	V
3	3.46	41.62	PK1	32.8	-30.6	0	43.82	-	-	-	-	68.2	-24.38	175	150	H
4	3.46	42.1	PK1	32.8	-30.6	0	44.3	-	-	-	-	68.2	-23.9	322	344	V

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

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

HIGH CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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
6	* 11.342	36.41	PK1	38.1	-22.7	0	51.81	-	-	74	-22.19	-	-	360	100	H
	* 11.342	25.3	AD1	38.1	-22.7	.03	40.73	54	-13.27	-	-	-	-	360	100	H
7	* 11.525	36.94	PK1	38.5	-23.4	0	52.04	-	-	74	-21.96	-	-	360	200	V
	* 11.525	25.39	AD1	38.5	-23.4	.03	40.52	54	-13.48	-	-	-	-	360	200	V
1	1.727	41.33	PK1	29.3	-31.5	0	39.13	-	-	-	-	68.2	-29.07	13	194	H
2	1.92	42.29	PK1	31.2	-32	0	41.49	-	-	-	-	68.2	-26.71	147	231	H
3	1.92	43.87	PK1	31.2	-32	0	43.07	-	-	-	-	68.2	-25.13	317	168	V
4	3.487	42.61	PK1	32.8	-30.9	0	44.51	-	-	-	-	68.2	-23.69	190	111	H
5	3.487	42.5	PK1	32.8	-30.9	0	44.4	-	-	-	-	68.2	-23.8	341	343	V

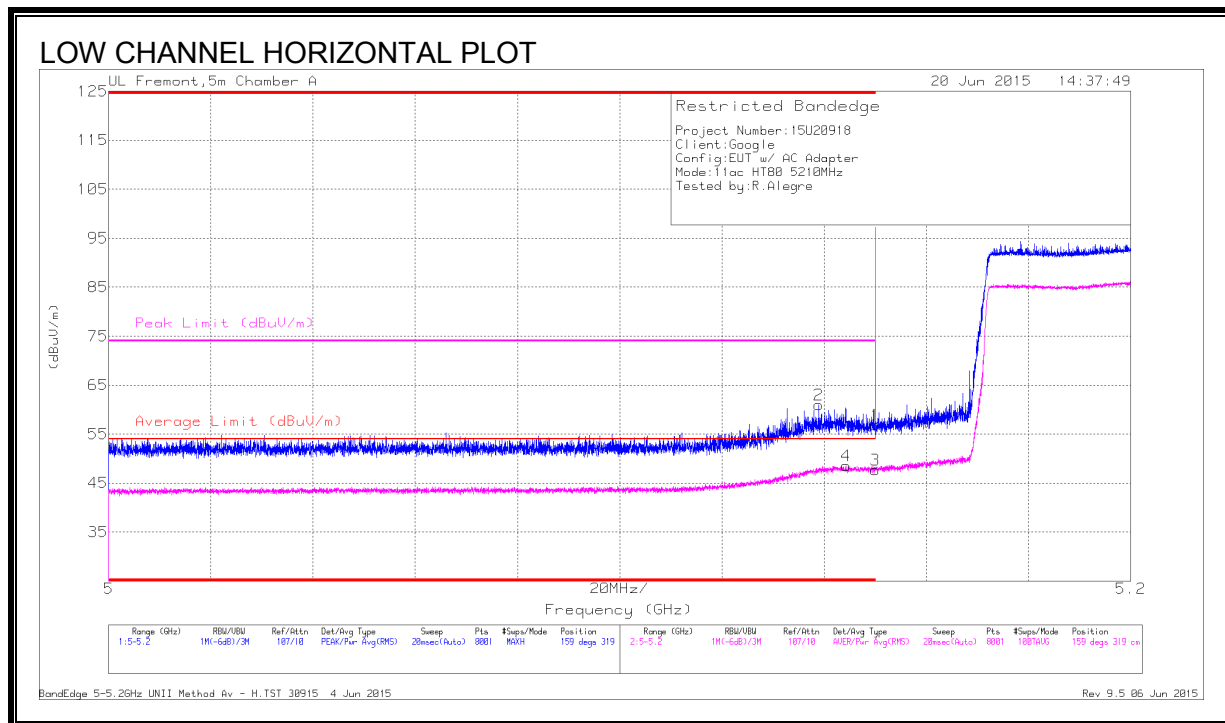
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

9.5. 802.11ac VHT80 MODE IN THE 5.2 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL, CH 42)



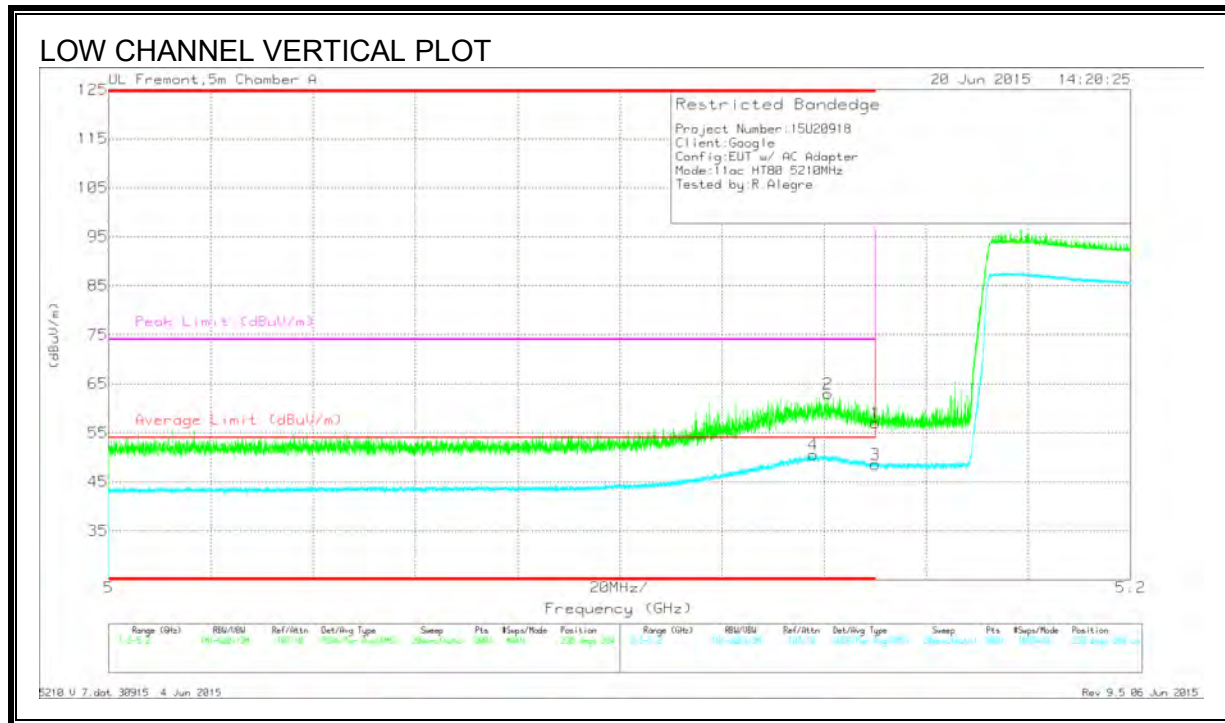
DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	44.21	Pk	34.2	-21.5	56.91	-	-	74	-17.09	159	319	H
2	* 5.139	48.29	Pk	34.2	-21.5	60.99	-	-	74	-13.01	159	319	H
3	* 5.15	35	RMS	34.2	-21.5	47.7	54	-6.3	-	-	159	319	H
4	* 5.144	35.87	RMS	34.2	-21.5	48.57	54	-5.43	-	-	159	319	H

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

Pk - Peak detector

RMS - RMS detection



DATA

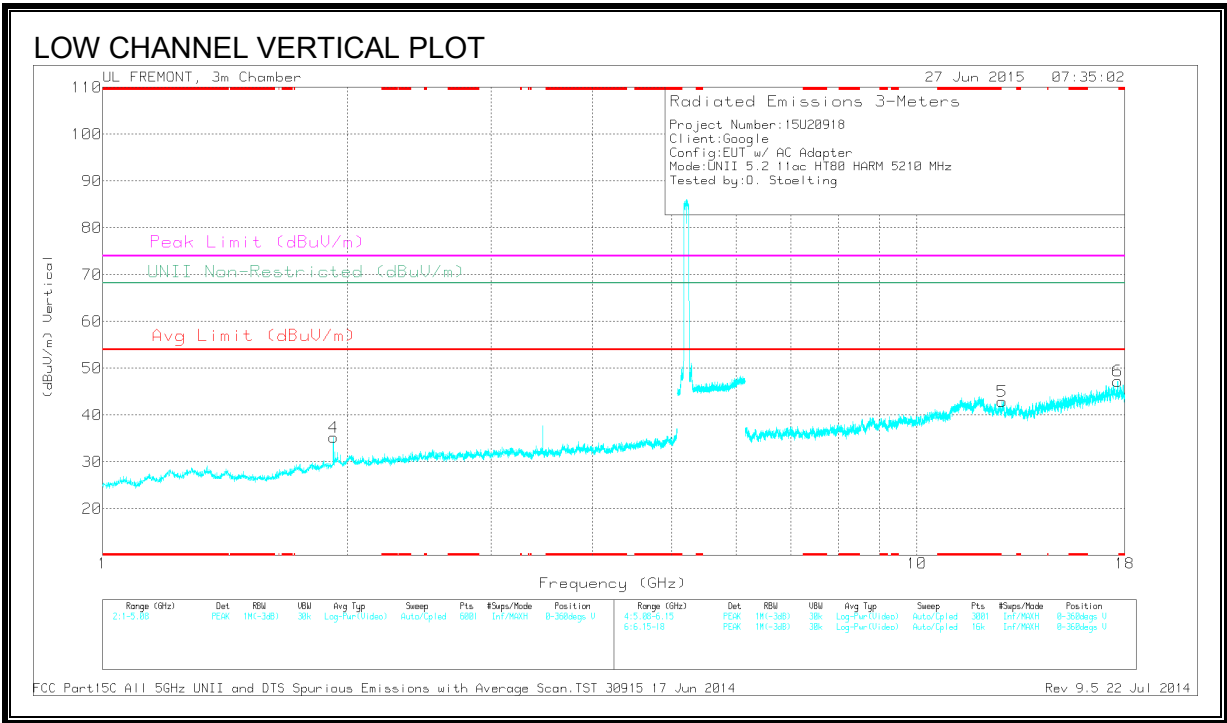
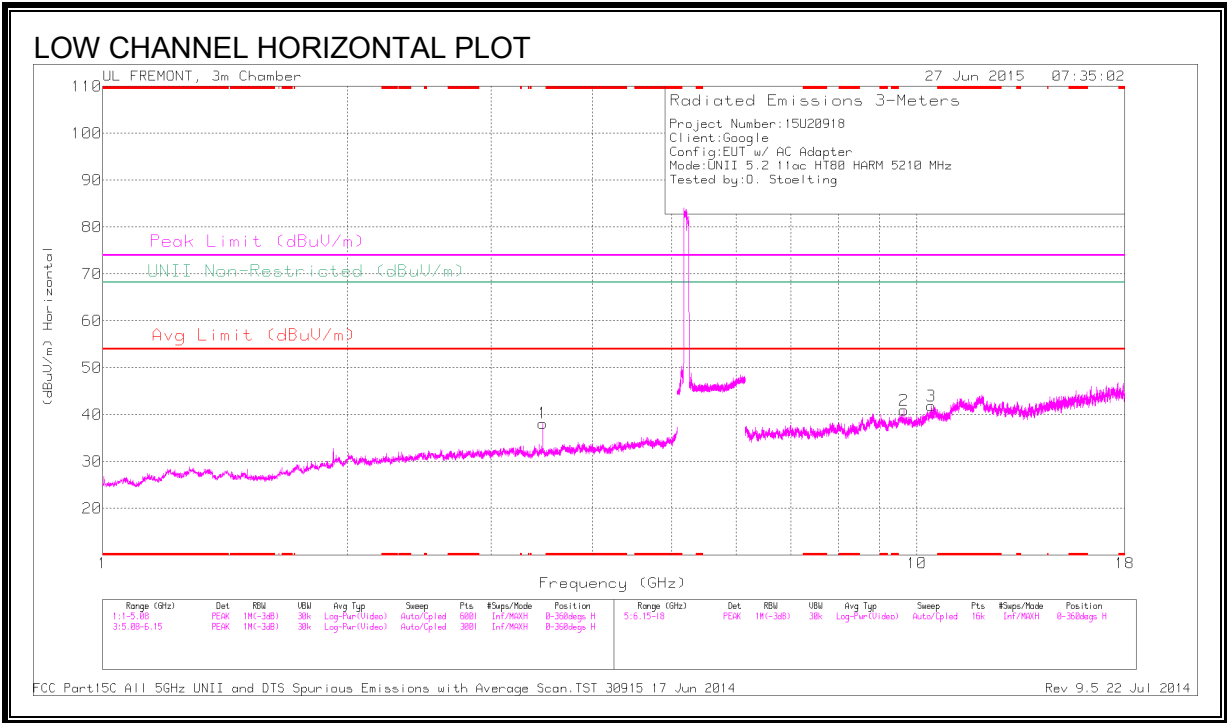
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	44.34	Pk	34.2	-21.5	57.04	-	-	74	-16.96	230	284	V
2	* 5.141	50.25	Pk	34.2	-21.5	62.95	-	-	74	-11.05	230	284	V
3	* 5.15	35.82	RMS	34.2	-21.5	48.52	54	-5.48	-	-	230	284	V
4	* 5.138	37.8	RMS	34.2	-21.5	50.5	54	-3.5	-	-	230	284	V

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

Pk - Peak detector

RMS - RMS detection

LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS



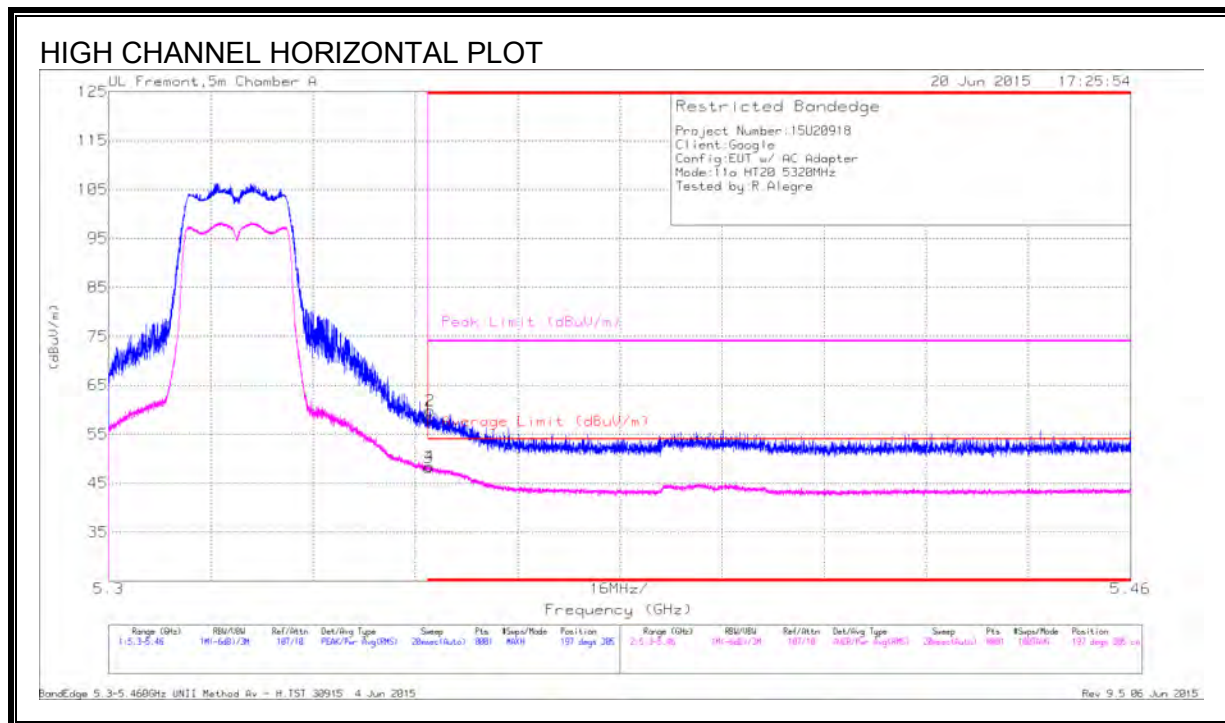
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Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	1.92	44.82	PK1	31.2	-32	0	44.02	-	-	-	-	68.2	-24.18	340	118	V
1	3.473	43.19	PK1	32.8	-30.7	0	45.29	-	-	-	-	68.2	-22.91	176	155	H
2	9.635	36.09	PK1	36.8	-24.1	0	48.79	-	-	-	-	68.2	-19.41	157	202	H
3	10.42	37.76	PK1	37.3	-24.1	0	50.96	-	-	-	-	68.2	-17.24	176	163	H
5	12.727	37.37	PK1	39.1	-24.7	0	51.77	-	-	-	-	68.2	-16.43	179	112	V
6	17.642	36.74	PK1	41.4	-21.2	0	56.94	-	-	-	-	68.2	-11.26	179	100	V

PK1 - KDB789033 Method: Peak

9.6. 802.11a MODE IN THE 5.3 GHz BAND

RESTRICTED BANDEDGE (HIGH CHANNEL)



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT136 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	44.74	Pk	34.6	-21.1	58.24	-	-	74	-15.76	197	305	H
2	* 5.35	46.4	Pk	34.6	-21.1	59.9	-	-	74	-14.1	197	305	H
3	* 5.35	34.66	RMS	34.6	-21.1	48.16	54	-5.84	-	-	197	305	H
4	* 5.35	34.88	RMS	34.6	-21.1	48.38	54	-5.62	-	-	197	305	H

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

Pk - Peak detector

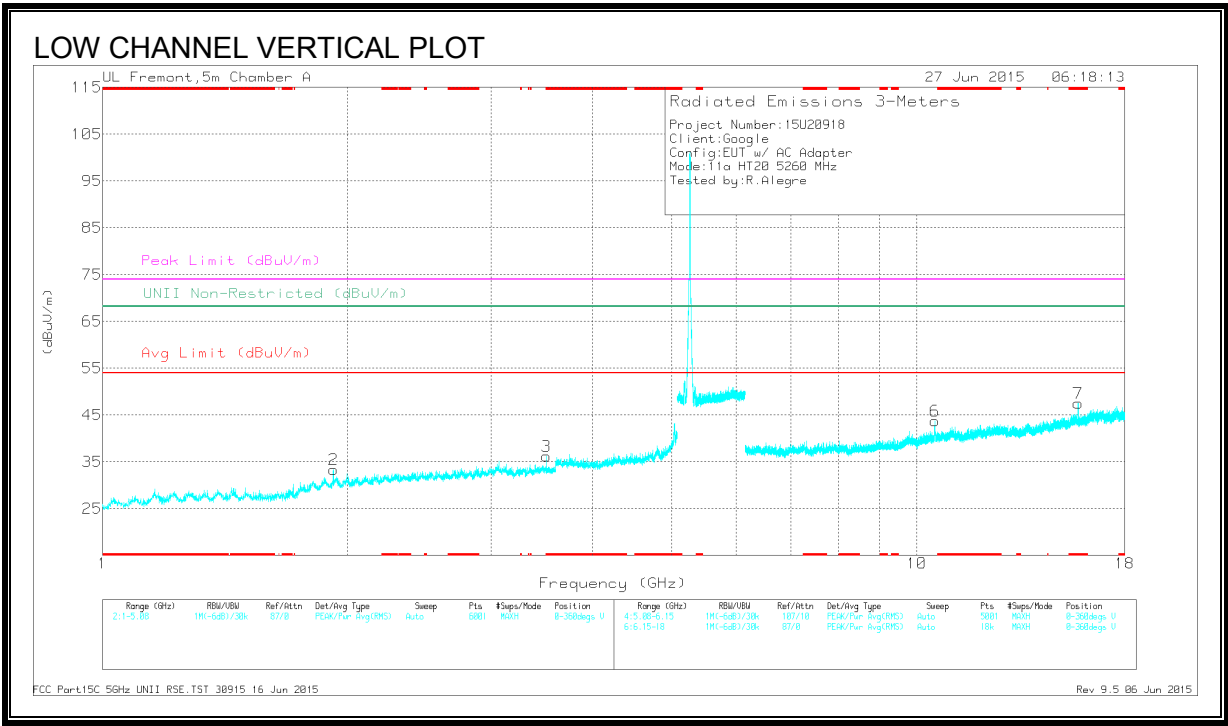
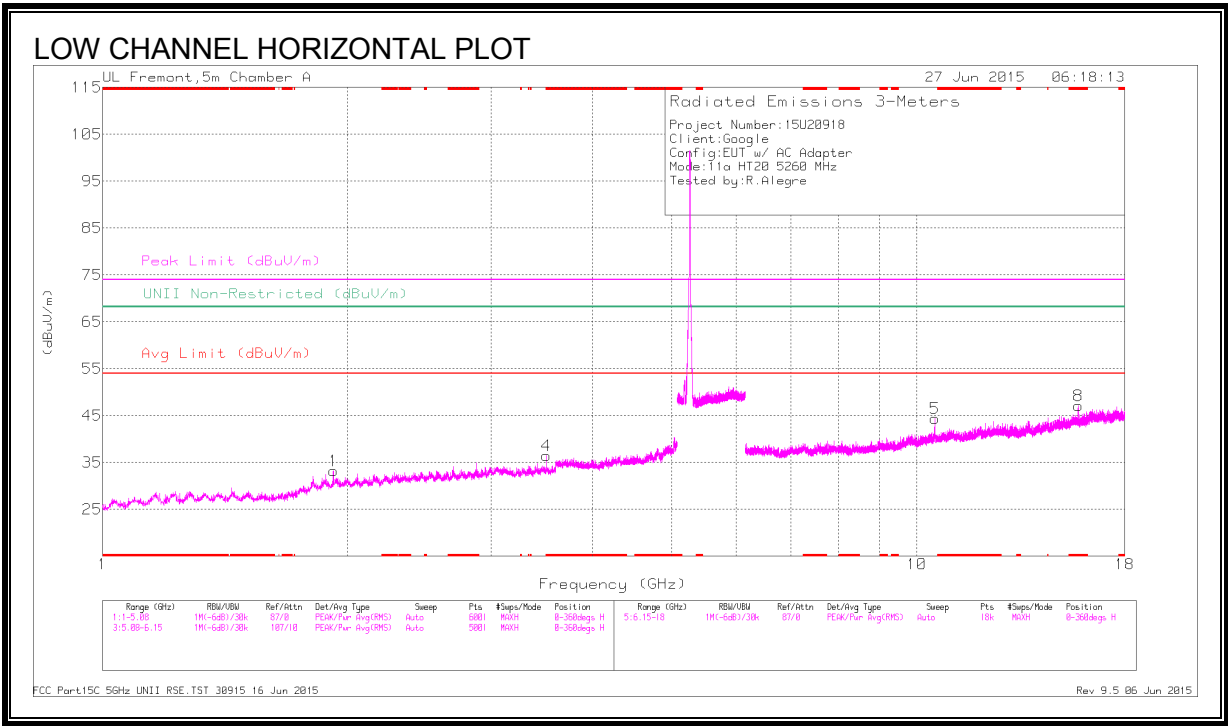
RMS - RMS detection



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	45.4	Pk	34.6	-21.1	58.9	-	-	74	-15.1	246	222	V
2	* 5.351	48.88	Pk	34.6	-21.1	62.38	-	-	74	-11.62	246	222	V
3	* 5.35	36.6	RMS	34.6	-21.1	50.1	54	-3.9	-	-	246	222	V
4	* 5.35	36.8	RMS	34.6	-21.1	50.3	54	-3.7	-	-	246	222	V

RMS - RMS detection

LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

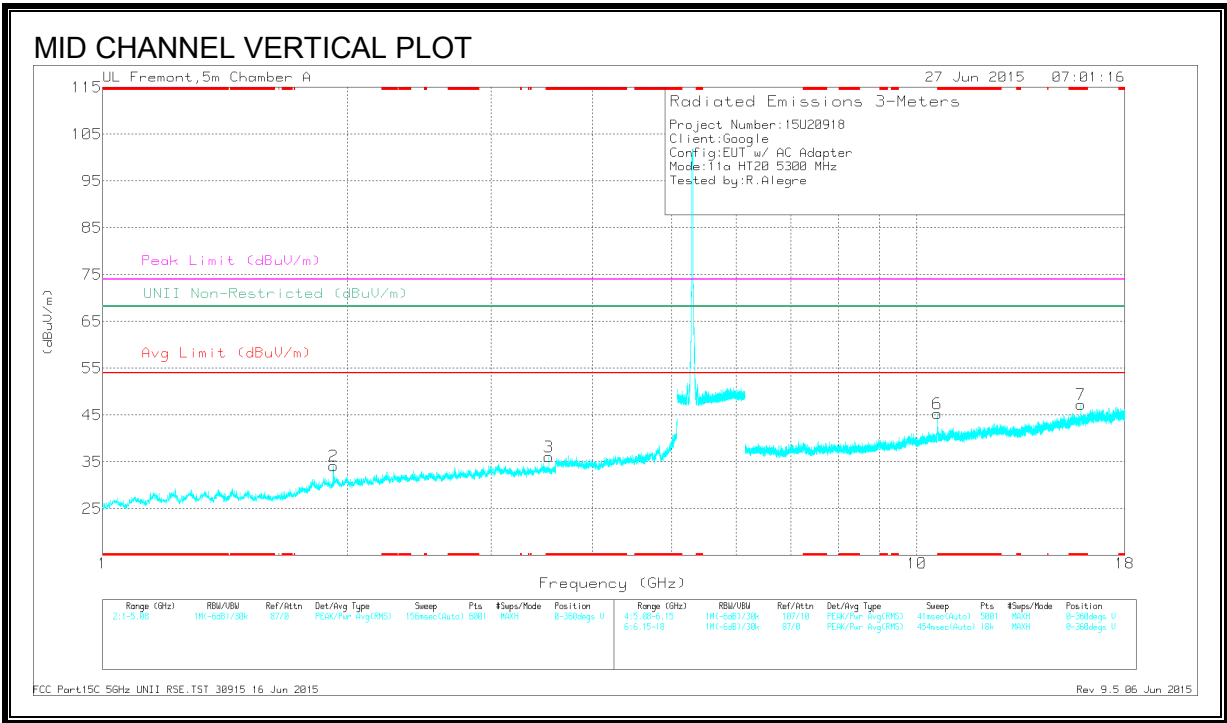
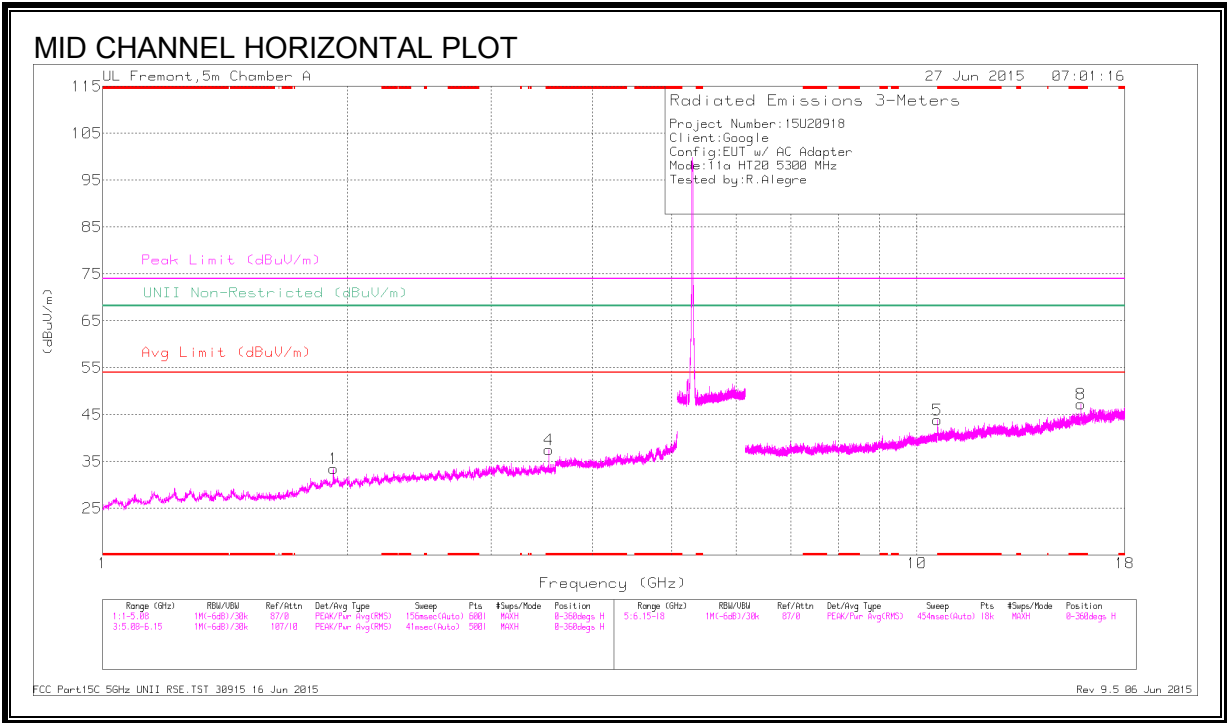
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitter/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 3.507	44.39	PK3	33.1	-33	44.49	-	-	74	-29.51	-	-	189	173	H
	* 3.507	35.46	ADR	33.1	-33	35.56	54	-18.44	-	-	-	-	189	173	H
3	* 3.506	42.74	PK3	33.1	-33	42.84	-	-	74	-31.16	-	-	182	167	V
	* 3.507	32.32	ADR	33.1	-33	32.42	54	-21.58	-	-	-	-	182	167	V
8	* 15.782	39.74	PK3	40.4	-23	57.14	-	-	74	-16.86	-	-	165	201	H
	* 15.78	27.42	ADR	40.4	-22.9	44.92	54	-9.08	-	-	-	-	165	201	H
7	* 15.778	35.75	PK3	40.4	-23	53.15	-	-	74	-20.85	-	-	169	180	V
	* 15.776	24.46	ADR	40.4	-23.1	41.76	54	-12.24	-	-	-	-	169	180	V
1	1.92	45.04	PK3	30.9	-34.5	41.44	-	-	-	-	68.2	-26.76	83	135	H
2	1.92	44.99	PK3	30.9	-34.5	41.39	-	-	-	-	68.2	-26.81	78	214	V
6	10.519	26.39	ADR	37.5	-23.7	40.19	-	-	-	-	-	-	165	201	H
	10.52	37.87	PK3	37.5	-23.7	51.67	-	-	-	-	68.2	-16.53	165	201	H
5	10.52	25.94	ADR	37.5	-23.7	39.74	-	-	-	-	-	-	169	201	V
	10.521	37.29	PK3	37.5	-23.7	51.09	-	-	-	-	68.2	-17.11	169	201	V

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

PK3 - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

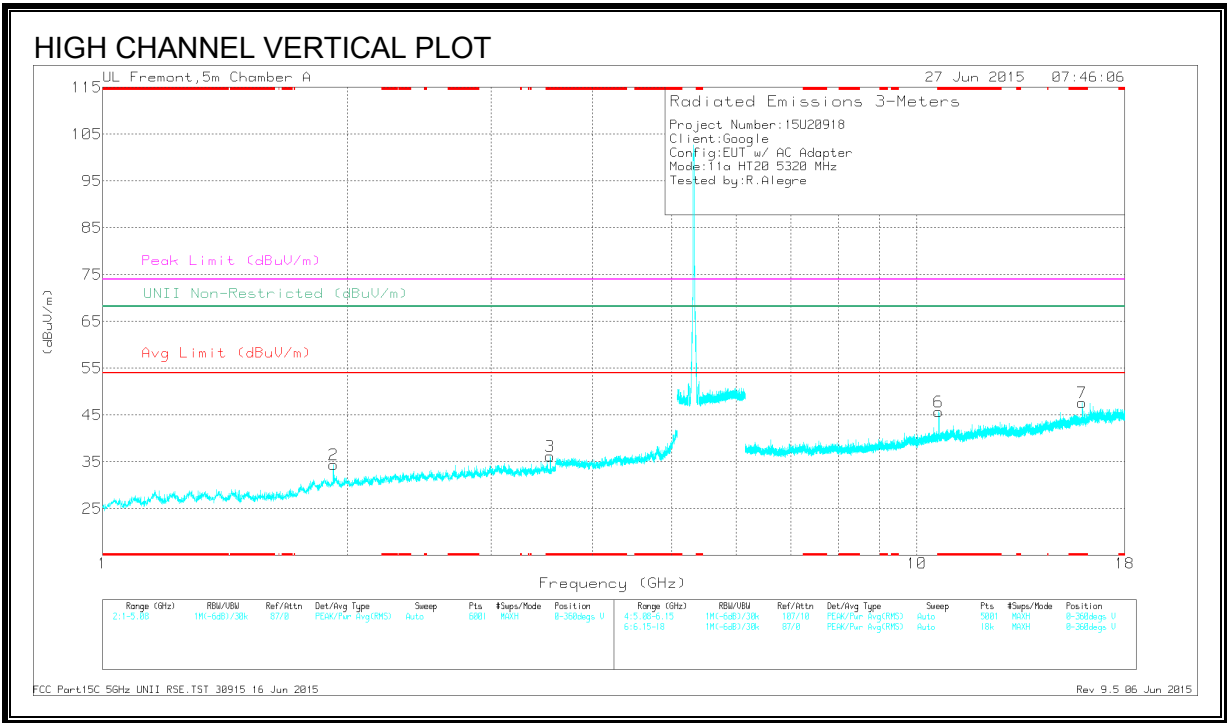
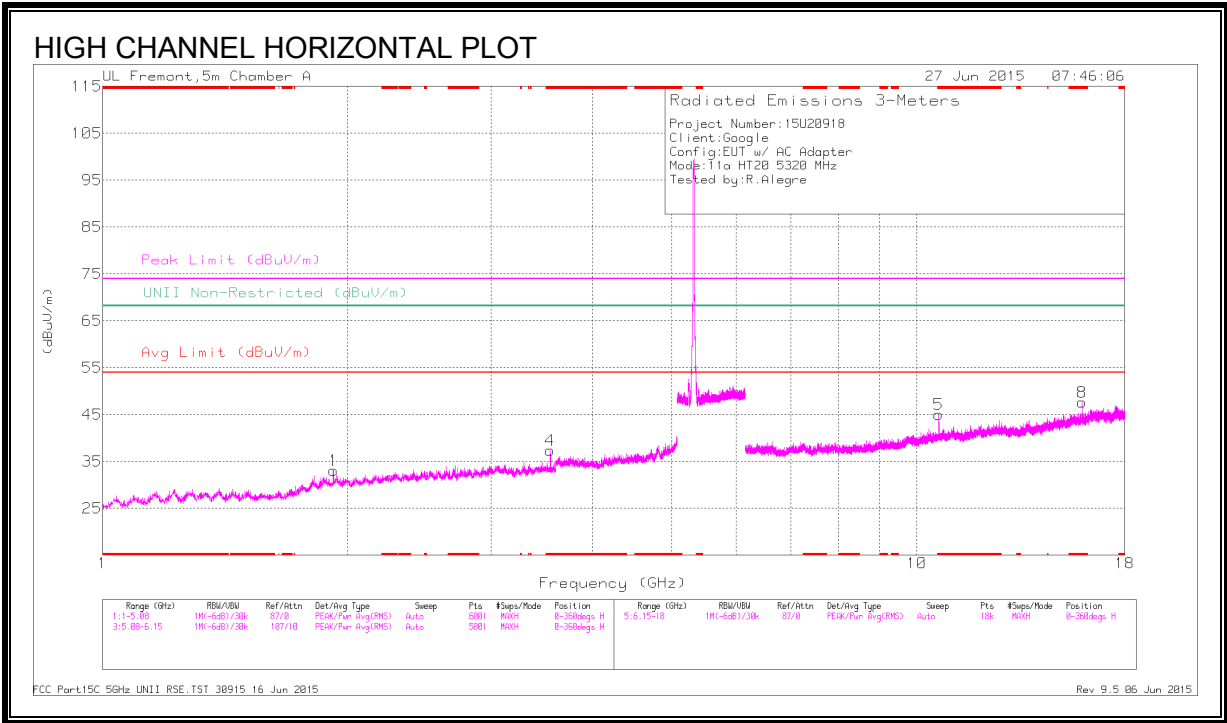
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 3.534	44.22	PK3	33.1	-33.2	44.12	-	-	74	-29.88	-	-	187	167	H
	* 3.533	36	ADR	33.1	-33.2	35.9	54	-18.1	-	-	-	-	187	167	H
3	* 3.533	44.69	PK3	33.1	-33.2	44.59	-	-	74	-29.41	-	-	268	125	V
	* 3.533	34.76	ADR	33.1	-33.2	34.66	54	-19.34	-	-	-	-	268	125	V
5	* 10.6	39.89	PK3	37.7	-23.5	54.09	-	-	74	-19.91	-	-	171	269	H
	* 10.6	28.11	ADR	37.7	-23.5	42.31	54	-11.69	-	-	-	-	171	269	H
8	* 15.903	38.44	PK3	40.8	-23.6	55.64	-	-	74	-18.36	-	-	165	201	H
	* 15.902	26.83	ADR	40.8	-23.6	44.03	54	-9.97	-	-	-	-	165	201	H
7	* 15.894	35.57	PK3	40.8	-23.6	52.77	-	-	74	-21.23	-	-	0	201	V
	* 15.896	24.83	ADR	40.8	-23.6	42.03	54	-11.97	-	-	-	-	0	201	V
1	1.92	44.75	PK3	30.9	-34.5	41.15	-	-	-	-	68.2	-27.05	87	187	H
	1.92	35.53	ADR	30.9	-34.5	31.93	-	-	-	-	-	-	87	187	H
2	1.92	45.76	PK3	30.9	-34.5	42.16	-	-	-	-	68.2	-26.04	105	225	V
	1.92	37.76	ADR	30.9	-34.5	34.16	-	-	-	-	-	-	105	225	V
6	10.599	40.02	PK3	37.7	-23.5	54.22	-	-	-	-	68.2	-13.98	208	115	V
	10.599	28.59	ADR	37.7	-23.5	42.79	-	-	-	-	-	-	208	115	V

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

PK3 - 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 T136 (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	* 3.547	43.01	PK3	33.1	-33.2	42.91	-	-	74	-31.09	-	-	122	202	H
	* 3.547	32.33	ADR	33.1	-33.2	32.23	54	-21.77	-	-	-	-	122	202	H
3	* 3.547	42.98	PK3	33.1	-33.2	42.88	-	-	74	-31.12	-	-	120	231	V
	* 3.547	32.84	ADR	33.1	-33.2	32.74	54	-21.26	-	-	-	-	120	231	V
5	* 15.96	36.44	PK3	40.9	-23.5	53.84	-	-	74	-20.16	-	-	77	161	H
	* 15.959	25.49	ADR	40.9	-23.5	42.89	54	-11.11	-	-	-	-	77	161	H
8	* 10.639	35.58	PK3	37.7	-23.5	49.78	-	-	74	-24.22	-	-	120	202	H
	* 10.64	24.23	ADR	37.7	-23.5	38.43	54	-15.57	-	-	-	-	120	202	H
6	* 15.966	34.98	PK3	40.9	-23.4	52.48	-	-	74	-21.52	-	-	1	156	V
	* 15.962	24.06	ADR	40.9	-23.4	41.56	54	-12.44	-	-	-	-	1	156	V
7	* 10.639	36.84	PK3	37.7	-23.5	51.04	-	-	74	-22.96	-	-	77	201	V
	* 10.641	25.41	ADR	37.7	-23.5	39.61	54	-14.39	-	-	-	-	77	201	V
1	1.92	44.36	PK3	30.9	-34.5	40.76	-	-	-	-	68.2	-27.44	90	149	H
	1.92	35.29	ADR	30.9	-34.5	31.69	-	-	-	-	-	-	90	149	H
2	1.92	44.87	PK3	30.9	-34.5	41.27	-	-	-	-	68.2	-26.93	122	160	V
	1.92	35.37	ADR	30.9	-34.5	31.77	-	-	-	-	-	-	122	160	V

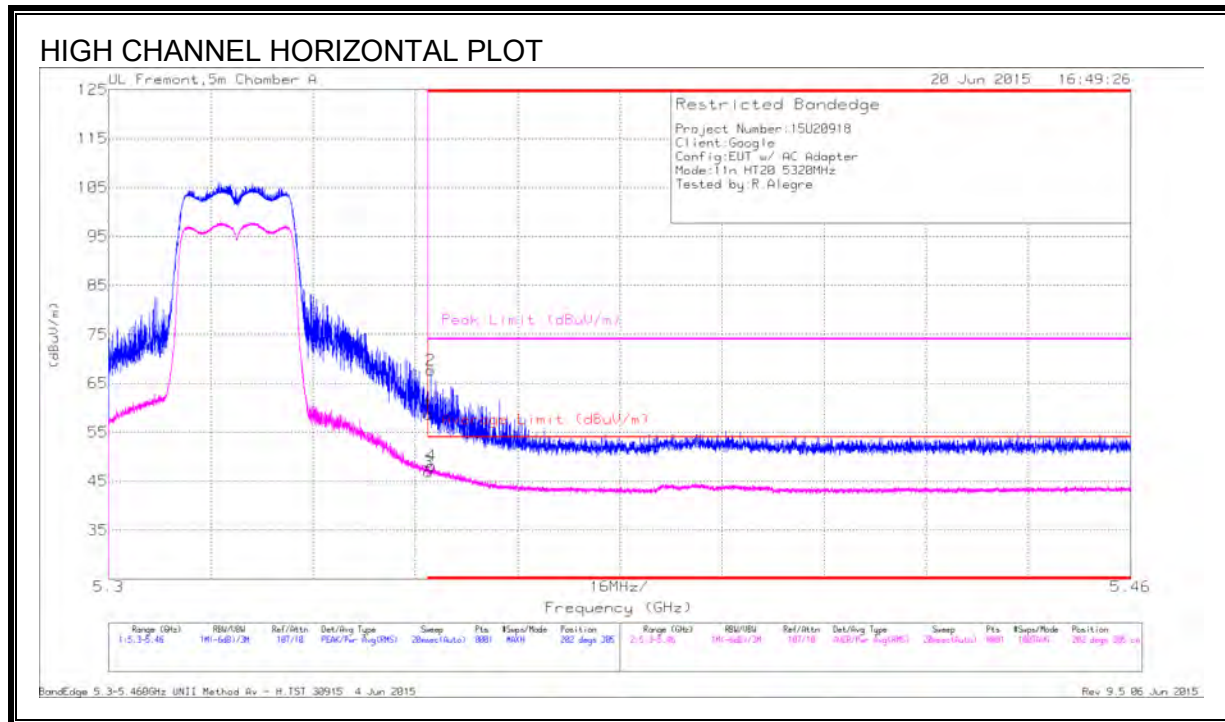
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK3 - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

9.7. 802.11n HT20 MODE IN THE 5.3 GHz BAND

RESTRICTED BANDEDGE (HIGH CHANNEL)



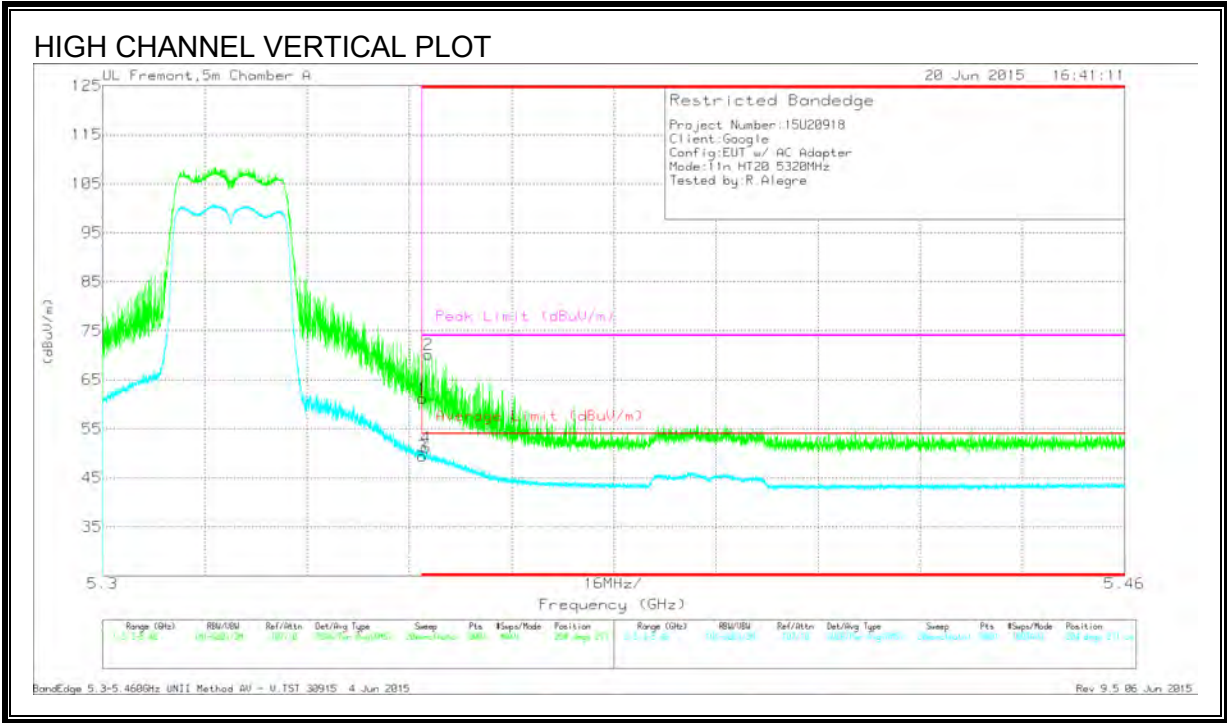
DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	45.06	Pk	34.6	-21.1	58.56	-	-	74	-15.44	202	305	H
2	* 5.35	54.16	Pk	34.6	-21.1	67.66	-	-	74	-6.34	202	305	H
3	* 5.35	33.4	RMS	34.6	-21.1	46.9	54	-7.1	-	-	202	305	H
4	* 5.351	34.66	RMS	34.6	-21.1	48.16	54	-5.84	-	-	202	305	H

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

Pk - Peak detector

RMS - RMS detection



DATA

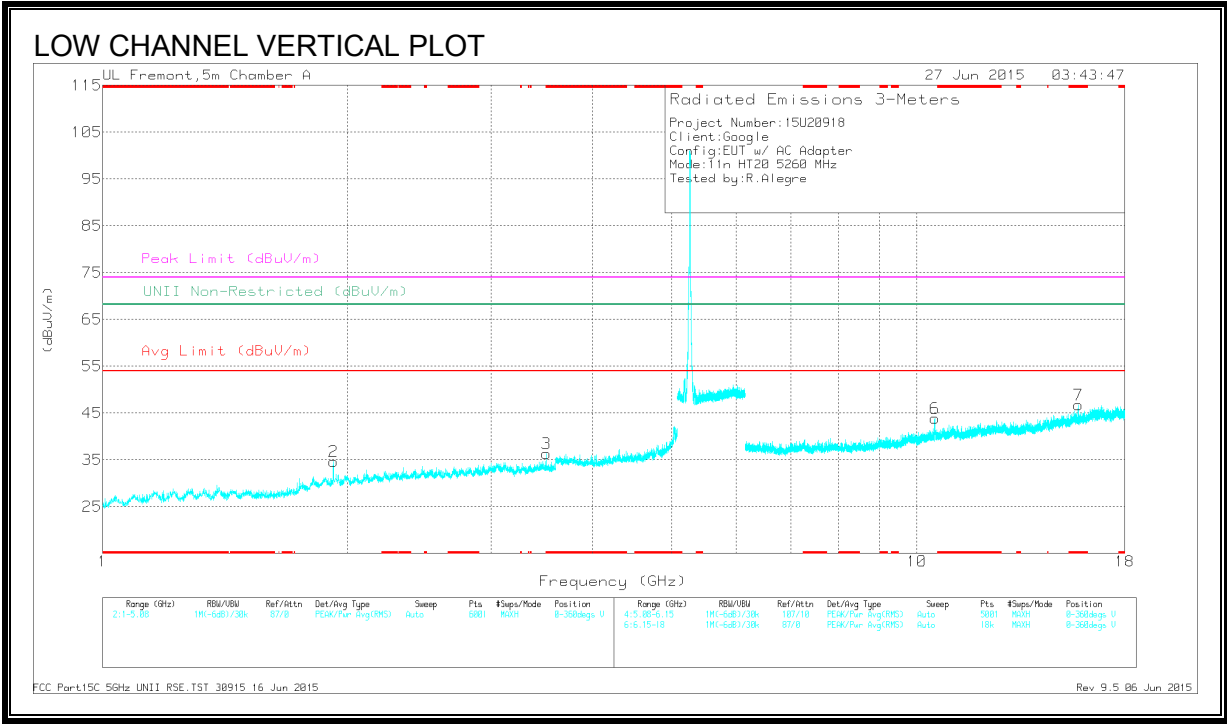
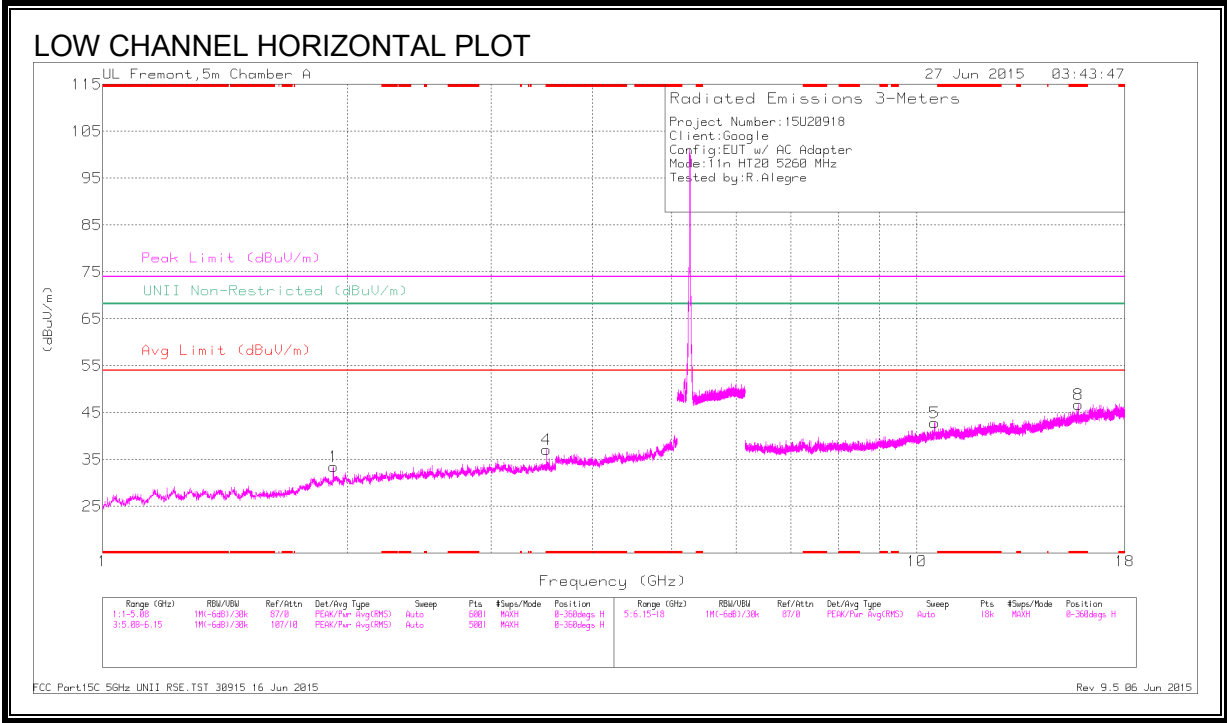
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	47.75	Pk	34.6	-21.1	61.25	-	-	74	-12.75	204	271	V
2	* 5.351	56.7	Pk	34.6	-21.1	70.2	-	-	74	-3.8	204	271	V
3	* 5.35	35.9	RMS	34.6	-21.1	49.4	54	-4.6	-	-	204	271	V
4	* 5.351	37.69	RMS	34.6	-21.1	51.19	54	-2.81	-	-	204	271	V

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

Pk - Peak detector

RMS - RMS detection

LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

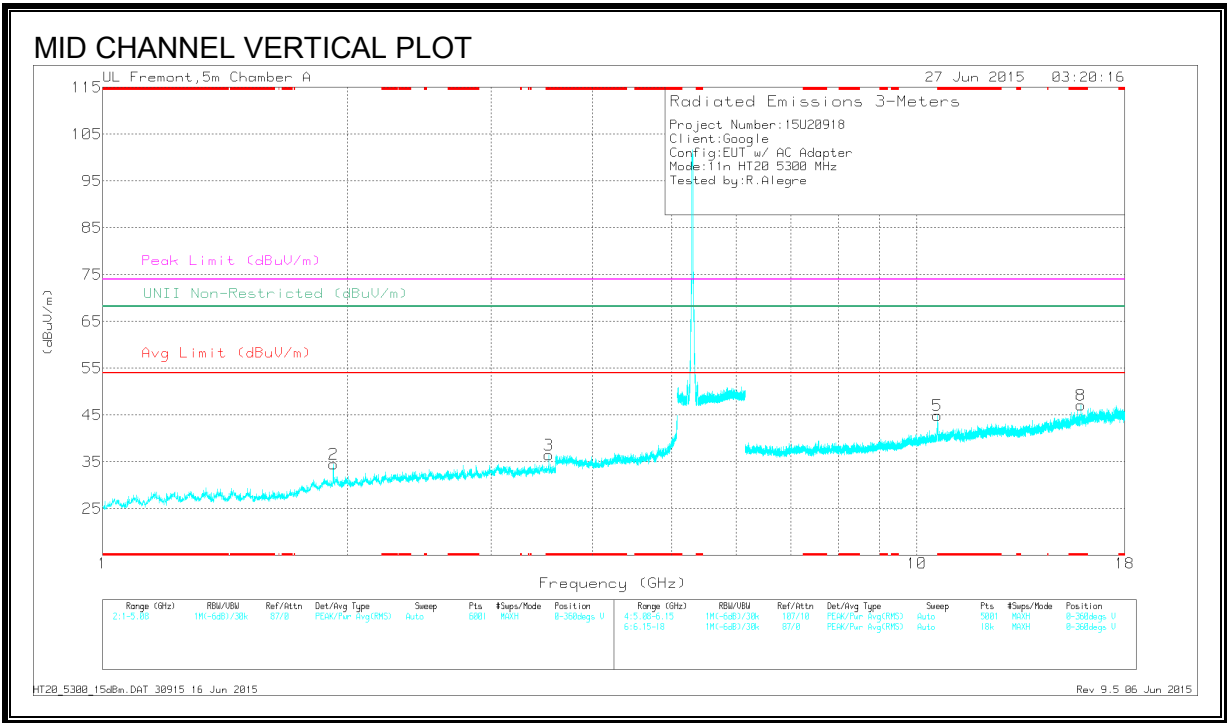
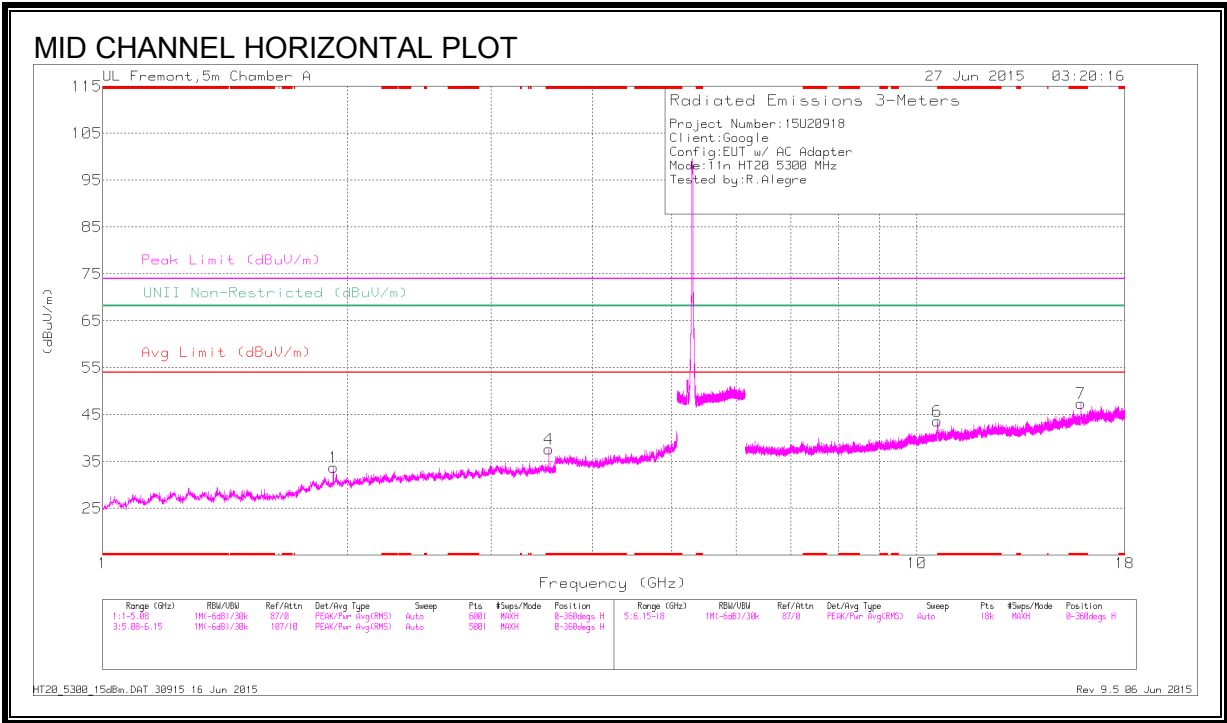
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 3.507	43.69	PK3	33.1	-33	43.79	-	-	74	-30.21	-	-	187	269	H
	* 3.507	35.31	ADR	33.1	-33	35.41	54	-18.59	-	-	-	-	187	269	H
3	* 3.507	44.61	PK3	33.1	-33	44.71	-	-	74	-29.29	-	-	70	347	V
	* 3.507	36.01	ADR	33.1	-33	36.11	54	-17.89	-	-	-	-	70	347	V
8	* 15.782	36.56	PK3	40.4	-23	53.96	-	-	74	-20.04	-	-	75	151	H
	* 15.779	25.17	ADR	40.4	-22.9	42.67	54	-11.33	-	-	-	-	75	151	H
7	* 15.781	36.06	PK3	40.4	-23	53.46	-	-	74	-20.54	-	-	195	201	V
	* 15.78	24.43	ADR	40.4	-23	41.83	54	-12.17	-	-	-	-	195	201	V
1	1.92	44.89	PK3	30.9	-34.5	41.29	-	-	-	-	68.2	-26.91	84	135	H
	1.92	35.24	ADR	30.9	-34.5	31.64	-	-	-	-	-	-	84	135	H
2	1.92	43.88	PK3	30.9	-34.5	40.28	-	-	-	-	68.2	-27.92	76	217	V
	1.92	34.36	ADR	30.9	-34.5	30.76	-	-	-	-	-	-	76	217	V
5	10.514	36.85	PK3	37.5	-23.6	50.75	-	-	-	-	68.2	-17.45	75	201	H
	10.515	25.69	ADR	37.5	-23.7	39.49	-	-	-	-	-	-	75	201	H
6	10.516	38.81	PK3	37.5	-23.7	52.61	-	-	-	-	68.2	-15.59	201	127	V
	10.518	26.78	ADR	37.5	-23.7	40.58	-	-	-	-	-	-	201	127	V

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

PK3 - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

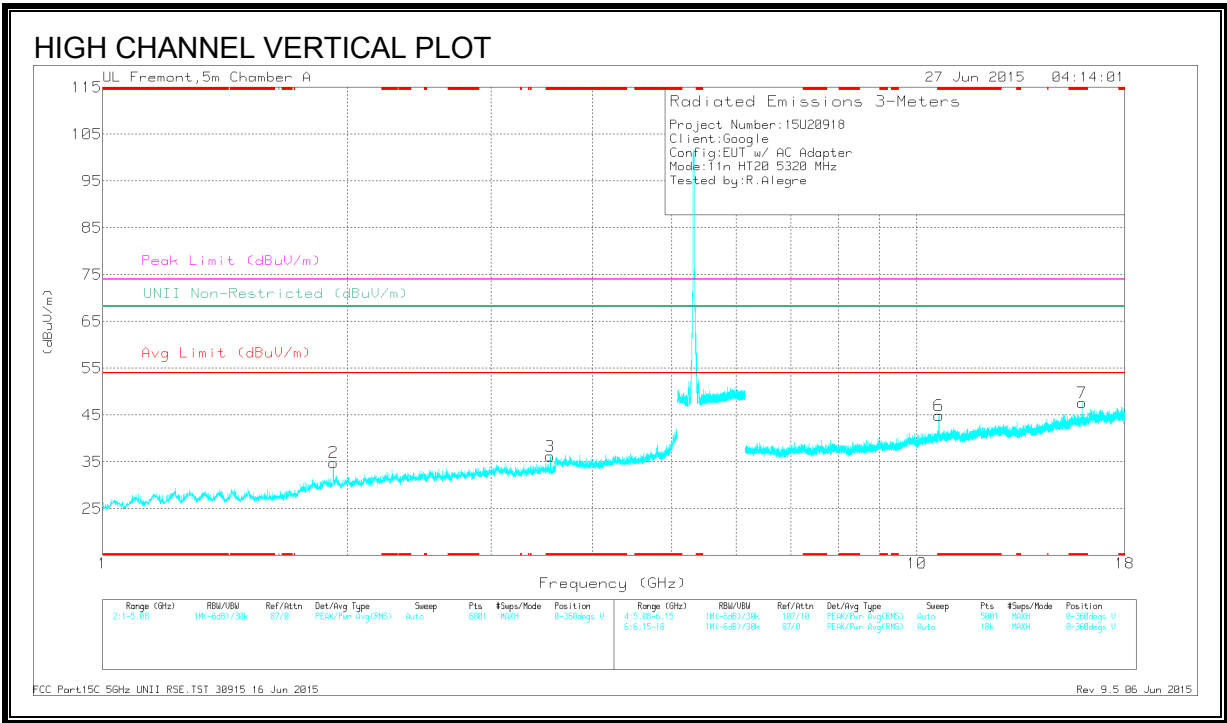
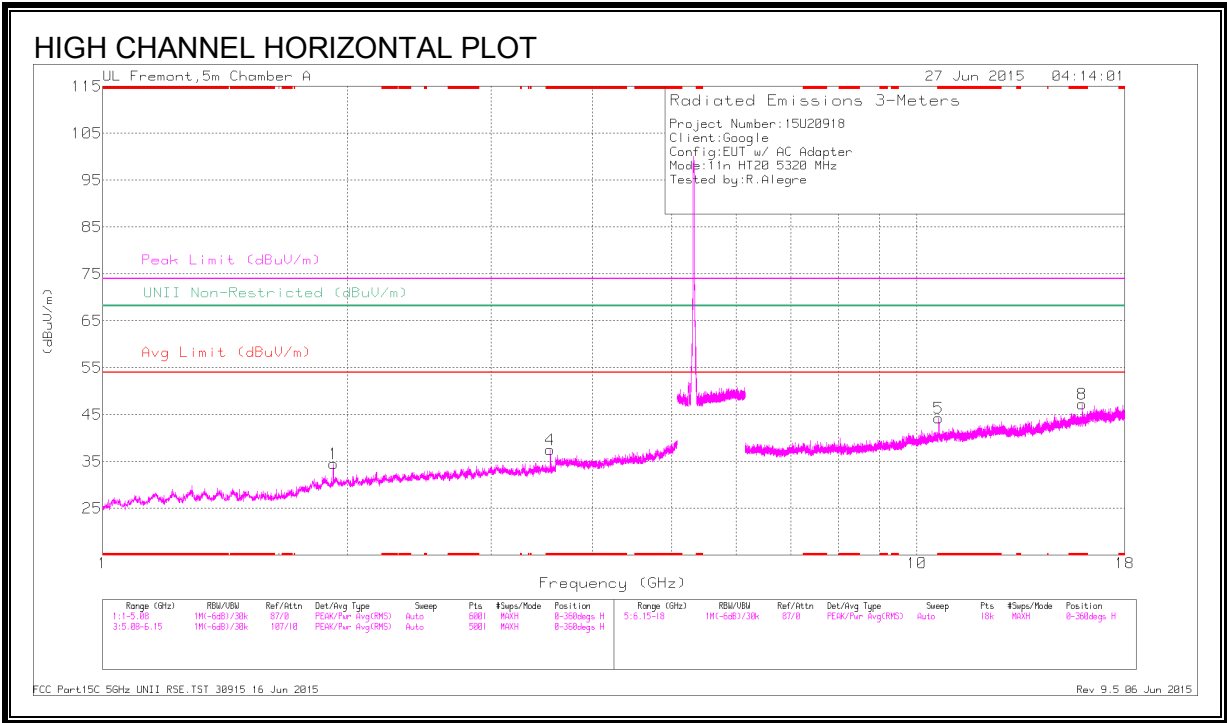
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 3.533	44.32	PK3	33.1	-33.2	44.22	-	-	74	-29.78	-	-	168	202	H
	* 3.533	36.72	ADR	33.1	-33.2	36.62	54	-17.38	-	-	-	-	168	202	H
3	* 3.533	44.62	PK3	33.1	-33.2	44.52	-	-	74	-29.48	-	-	242	126	V
	* 3.533	36.11	ADR	33.1	-33.2	36.01	54	-17.99	-	-	-	-	242	126	V
7	* 15.901	40.37	PK3	40.8	-23.6	57.57	-	-	74	-16.43	-	-	151	100	H
	* 15.902	26.87	ADR	40.8	-23.6	44.07	54	-9.93	-	-	-	-	151	100	H
5	* 10.6	40.76	PK3	37.7	-23.5	54.96	-	-	74	-19.04	-	-	200	114	V
	* 10.6	28.6	ADR	37.7	-23.5	42.8	54	-11.2	-	-	-	-	200	114	V
8	* 15.905	35.84	PK3	40.8	-23.5	53.14	-	-	74	-20.86	-	-	169	100	V
	* 15.905	24.88	ADR	40.8	-23.5	42.18	54	-11.82	-	-	-	-	169	100	V
1	1.92	45.35	PK3	30.9	-34.5	41.75	-	-	-	-	68.2	-26.45	126	206	H
	1.92	36.44	ADR	30.9	-34.5	32.84	-	-	-	-	-	-	126	206	H
2	1.92	45.13	PK3	30.9	-34.5	41.53	-	-	-	-	68.2	-26.67	77	217	V
	1.92	35.3	ADR	30.9	-34.5	31.7	-	-	-	-	-	-	77	217	V
6	10.599	39.76	PK3	37.7	-23.5	53.96	-	-	-	-	68.2	-14.24	158	149	H
	10.6	27.52	ADR	37.7	-23.5	41.72	-	-	-	-	-	-	158	149	H

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

PK3 - 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 T136 (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	* 3.547	44.77	PK3	33.1	-33.2	44.67	-	-	74	-29.33	-	-	184	168	H
	* 3.547	37.14	ADR	33.1	-33.2	37.04	54	-16.96	-	-	-	-	184	168	H
3	* 3.546	44.14	PK3	33.1	-33.2	44.04	-	-	74	-29.96	-	-	107	286	V
	* 3.547	35.93	ADR	33.1	-33.2	35.83	54	-18.17	-	-	-	-	107	286	V
5	* 10.635	39.54	PK3	37.7	-23.5	53.74	-	-	74	-20.26	-	-	169	269	H
	* 10.636	26.65	ADR	37.7	-23.5	40.85	54	-13.15	-	-	-	-	169	269	H
8	* 15.961	38.61	PK3	40.9	-23.5	56.01	-	-	74	-17.99	-	-	168	100	H
	* 15.963	25.19	ADR	40.9	-23.4	42.69	54	-11.31	-	-	-	-	168	100	H
6	* 10.641	40.44	PK3	37.7	-23.5	54.64	-	-	74	-19.36	-	-	202	113	V
	* 10.64	28.1	ADR	37.7	-23.5	42.3	54	-11.7	-	-	-	-	202	113	V
7	* 15.962	40.12	PK3	40.9	-23.4	57.62	-	-	74	-16.38	-	-	337	100	V
	* 15.959	27.05	ADR	40.9	-23.5	44.45	54	-9.55	-	-	-	-	337	100	V
1	1.92	45.17	PK3	30.9	-34.5	41.57	-	-	-	-	68.2	-26.63	85	136	H
	1.92	36.65	ADR	30.9	-34.5	33.05	-	-	-	-	-	-	85	136	H
2	1.92	45.55	PK3	30.9	-34.5	41.95	-	-	-	-	68.2	-26.25	77	215	V
	1.92	37.11	ADR	30.9	-34.5	33.51	-	-	-	-	-	-	77	215	V

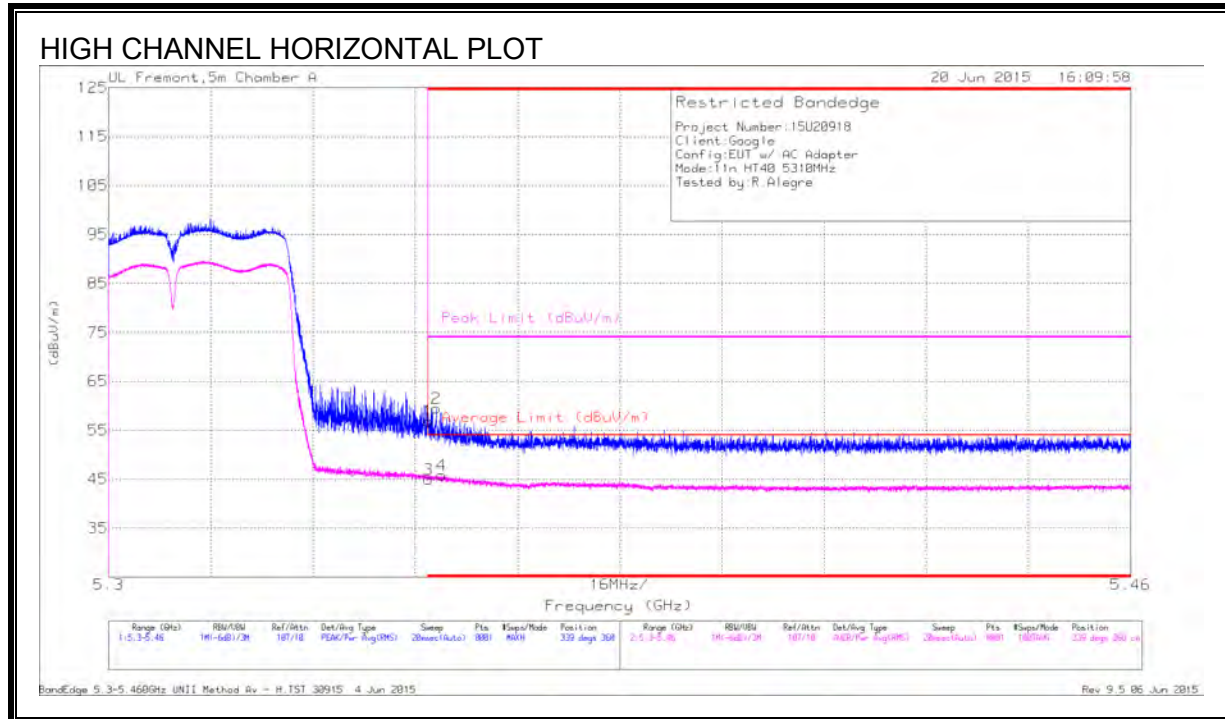
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK3 - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

9.8. 802.11n HT40 MODE IN THE 5.3 GHz BAND

RESTRICTED BANDEDGE (HIGH CHANNEL)



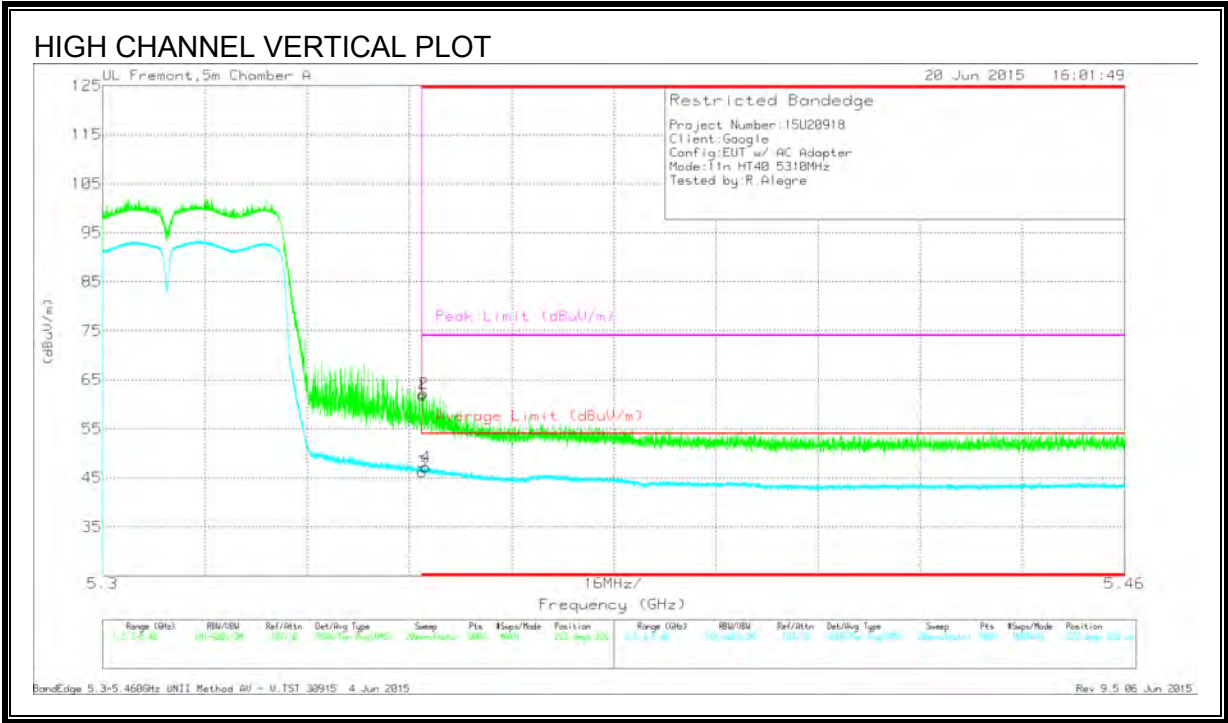
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Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT136 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	43.41	Pk	34.6	-21.1	56.91	-	-	74	-17.09	339	368	H
2	* 5.351	45.98	Pk	34.6	-21.1	59.48	-	-	74	-14.52	339	368	H
3	* 5.35	31.47	RMS	34.6	-21.1	44.97	54	-9.03	-	-	339	368	H
4	* 5.352	32.33	RMS	34.6	-21.1	45.83	54	-8.17	-	-	339	368	H

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

Pk - Peak detector

RMS - RMS detection



DATA

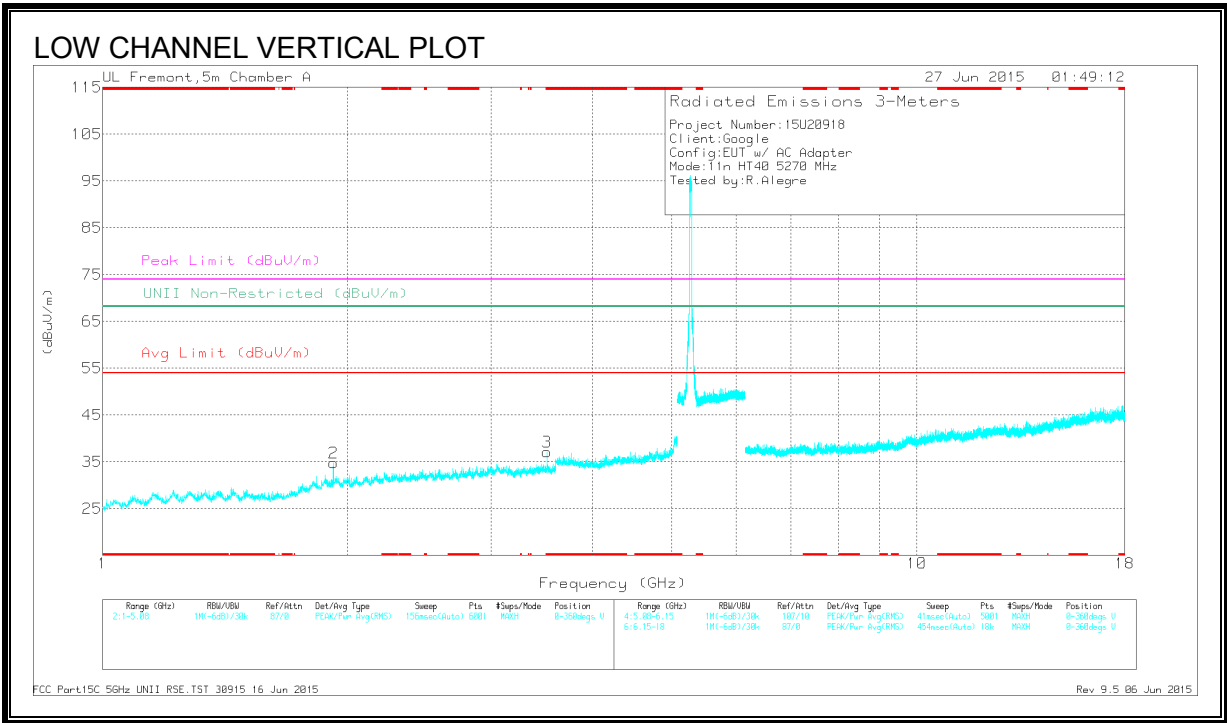
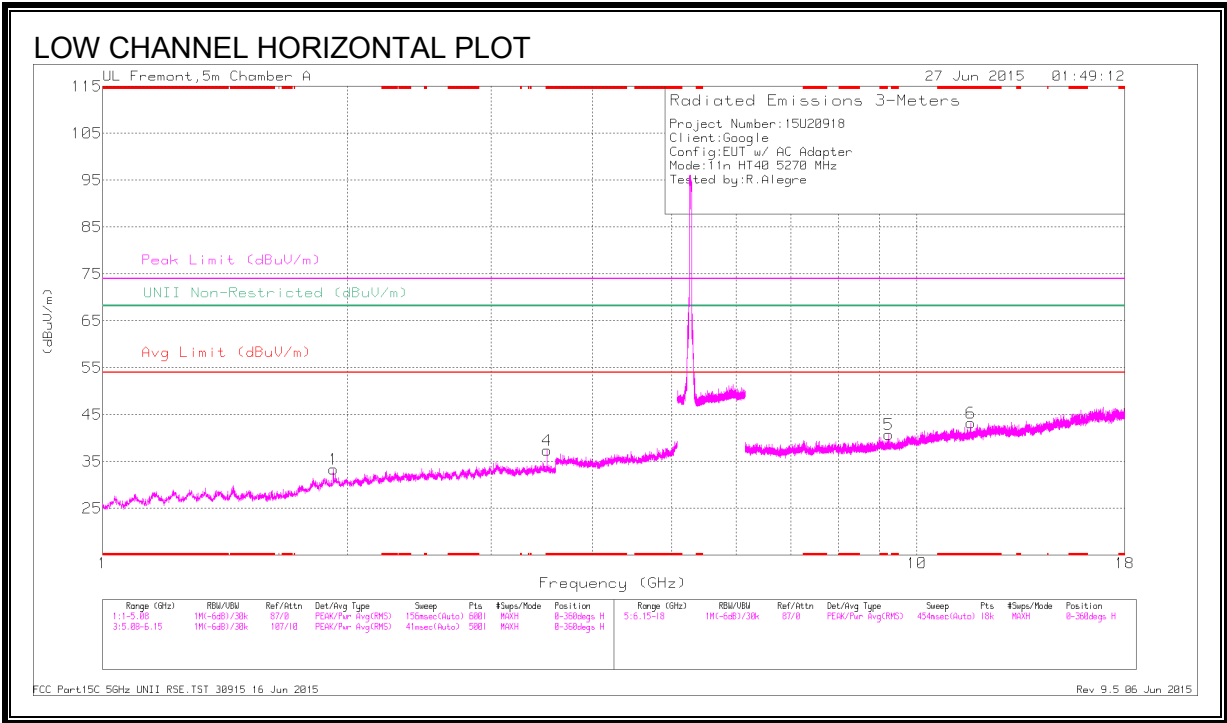
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT136 (dB/m)	Amp/Cbl/Ftr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	48.3	PK	34.6	-21.1	61.8	-	-	74	-12.2	223	326	V
2	* 5.35	48.66	PK	34.6	-21.1	62.16	-	-	74	-11.84	223	326	V
3	* 5.35	32.65	RMS	34.6	-21.1	46.15	54	-7.85	-	-	223	326	V
4	* 5.351	33.72	RMS	34.6	-21.1	47.22	54	-6.78	-	-	223	326	V

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

PK - Peak detector

RMS - RMS detection

LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

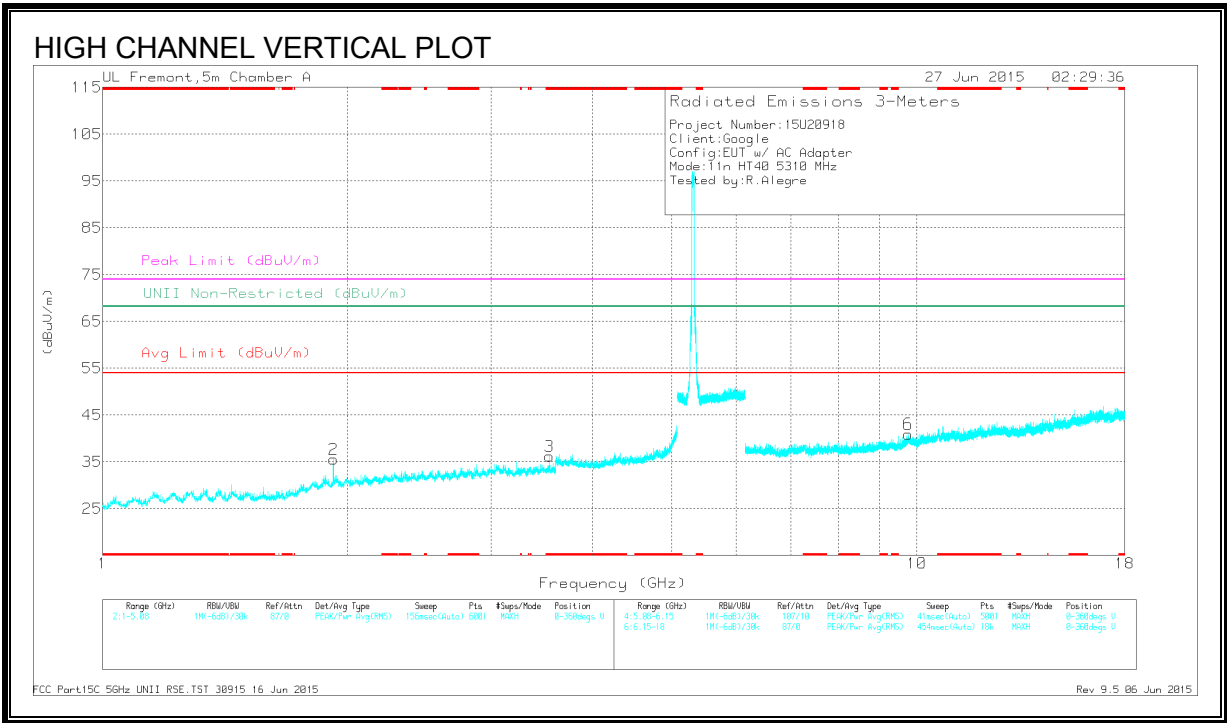
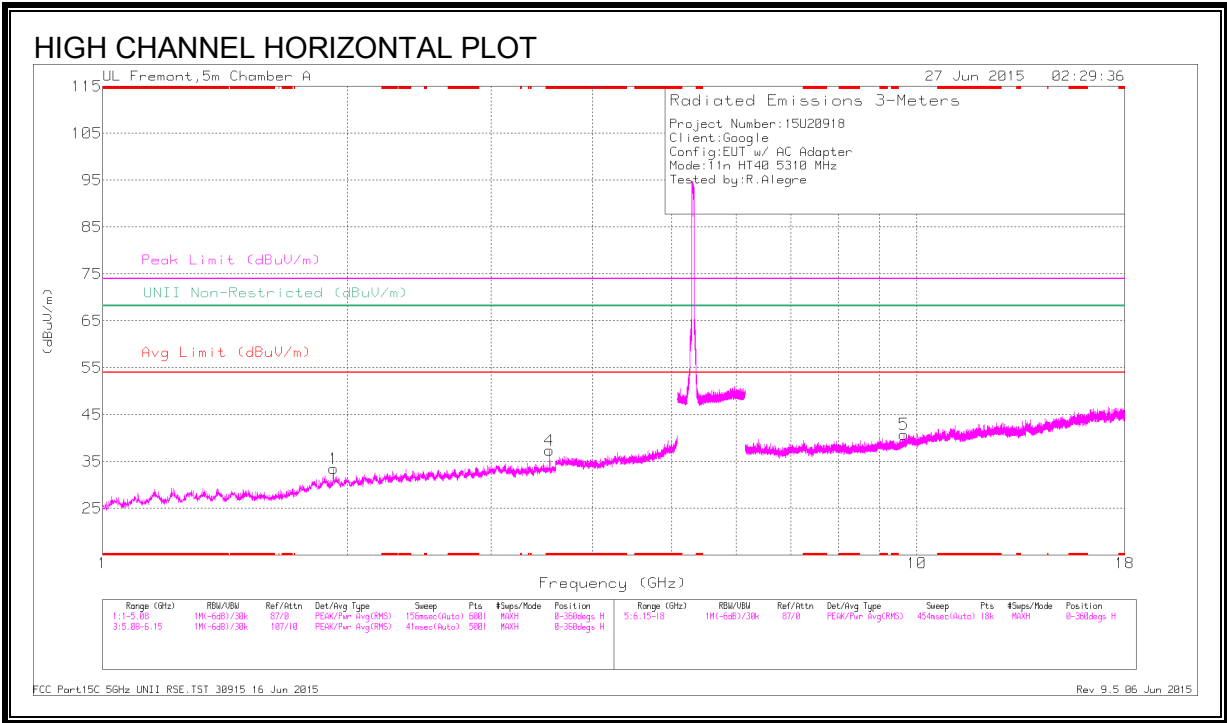
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 3.513	44.38	PK3	33.1	-33	44.48	-	-	74	-29.52	-	-	173	113	H
	* 3.513	35.92	ADR	33.1	-33	36.02	54	-17.98	-	-	-	-	173	113	H
3	* 3.513	45.01	PK3	33.1	-33	45.11	-	-	74	-28.89	-	-	69	294	V
	* 3.513	37.11	ADR	33.1	-33.1	37.11	54	-16.89	-	-	-	-	69	294	V
6	* 11.651	34.49	PK3	38.2	-23.1	49.59	-	-	74	-24.41	-	-	69	202	H
	* 11.651	23.4	ADR	38.2	-23.1	38.5	54	-15.5	-	-	-	-	69	202	H
1	1.92	44.91	PK3	30.9	-34.5	41.31	-	-	-	-	68.2	-26.89	89	267	H
	1.92	35.78	ADR	30.9	-34.5	32.18	-	-	-	-	-	-	89	267	H
2	1.92	46.43	PK3	30.9	-34.5	42.83	-	-	-	-	68.2	-25.37	187	175	V
	1.92	38.71	ADR	30.9	-34.5	35.11	-	-	-	-	-	-	187	175	V
5	9.228	24.74	ADR	36.3	-25.2	35.84	-	-	-	-	-	-	69	201	H
	9.229	35.75	PK3	36.3	-25.2	46.85	-	-	-	-	68.2	-21.35	69	201	H

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

PK3 - 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 T136 (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	* 3.54	44.78	PK3	33.1	-33.2	44.68	-	-	74	-29.32	-	-	200	307	H
	* 3.54	36.43	ADR	33.1	-33.2	36.33	54	-17.67	-	-	-	-	200	307	H
3	* 3.54	43.81	PK3	33.1	-33.2	43.71	-	-	74	-30.29	-	-	248	100	V
	* 3.54	34.36	ADR	33.1	-33.2	34.26	54	-19.74	-	-	-	-	248	100	V
1	1.92	44.58	PK3	30.9	-34.5	40.98	-	-	-	-	68.2	-27.22	164	136	H
	1.92	34.43	ADR	30.9	-34.5	30.83	-	-	-	-	-	-	164	136	H
2	1.92	45.95	PK3	30.9	-34.5	42.35	-	-	-	-	68.2	-25.85	186	135	V
	1.92	37.79	ADR	30.9	-34.5	34.19	-	-	-	-	-	-	186	135	V
5	9.636	35.4	PK3	36.7	-25	47.1	-	-	-	-	68.2	-21.1	246	202	H
6	9.765	36.14	PK3	36.9	-24.4	48.64	-	-	-	-	68.2	-19.56	246	197	V

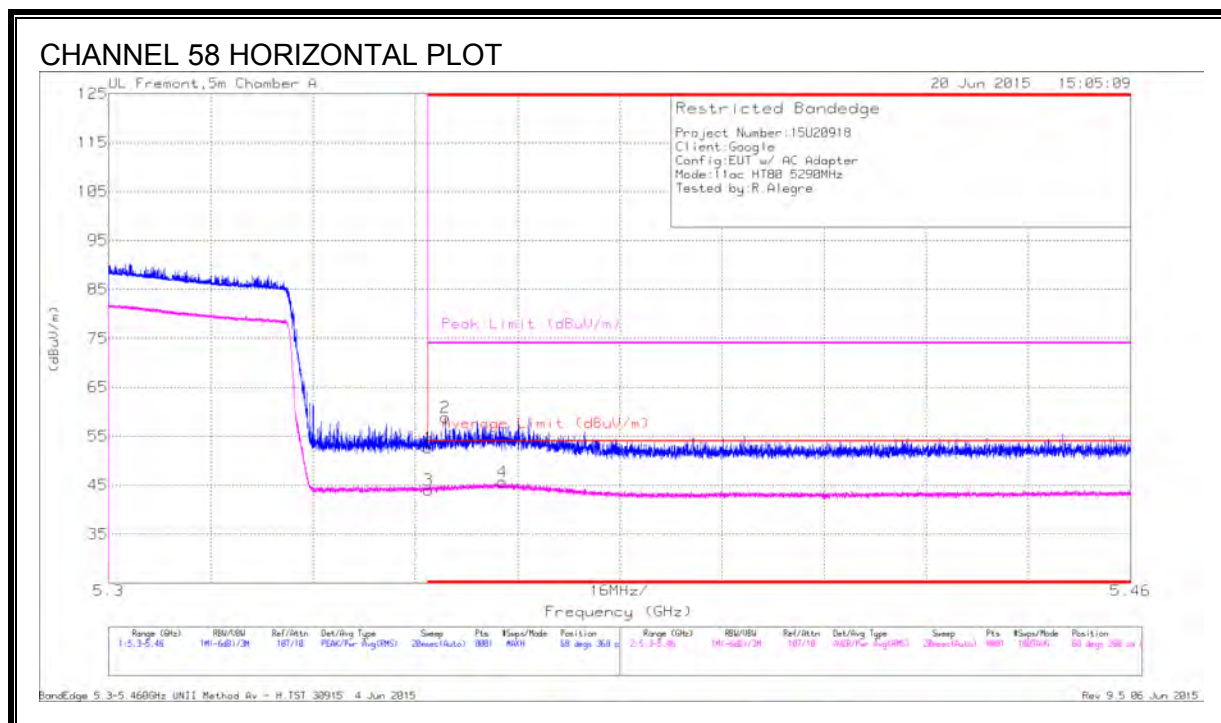
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK3 - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

9.9. 802.11ac VHT80 1Tx SISO MODE IN THE 5.3 GHz BAND

RESTRICTED BANDEDGE (HIGH CHANNEL, CH 58)



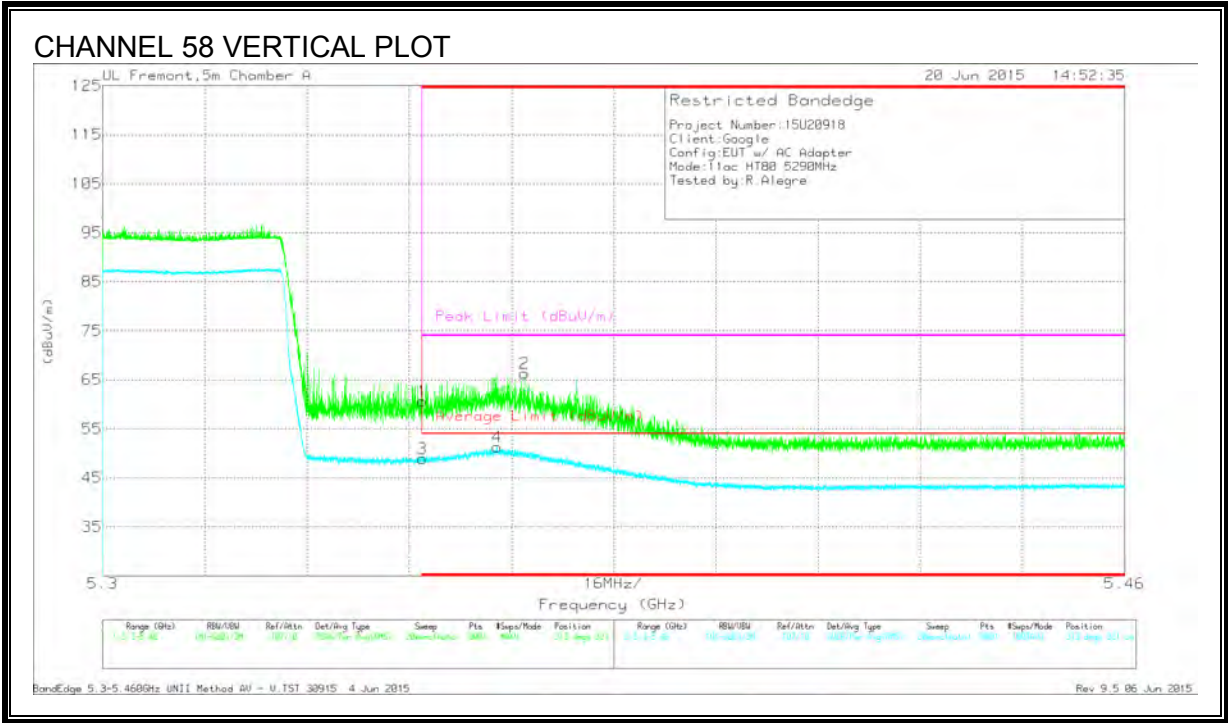
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Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	39.15	Pk	34.6	-21.1	52.65	-	-	74	-21.35	68	368	H
2	* 5.353	45.36	Pk	34.6	-21.1	58.86	-	-	74	-15.14	68	368	H
3	* 5.35	30.52	RMS	34.6	-21.1	44.02	54	-9.98	-	-	68	368	H
4	* 5.362	32.11	RMS	34.6	-21	45.71	54	-8.29	-	-	68	368	H

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

Pk - Peak detector

RMS - RMS detection



DATA

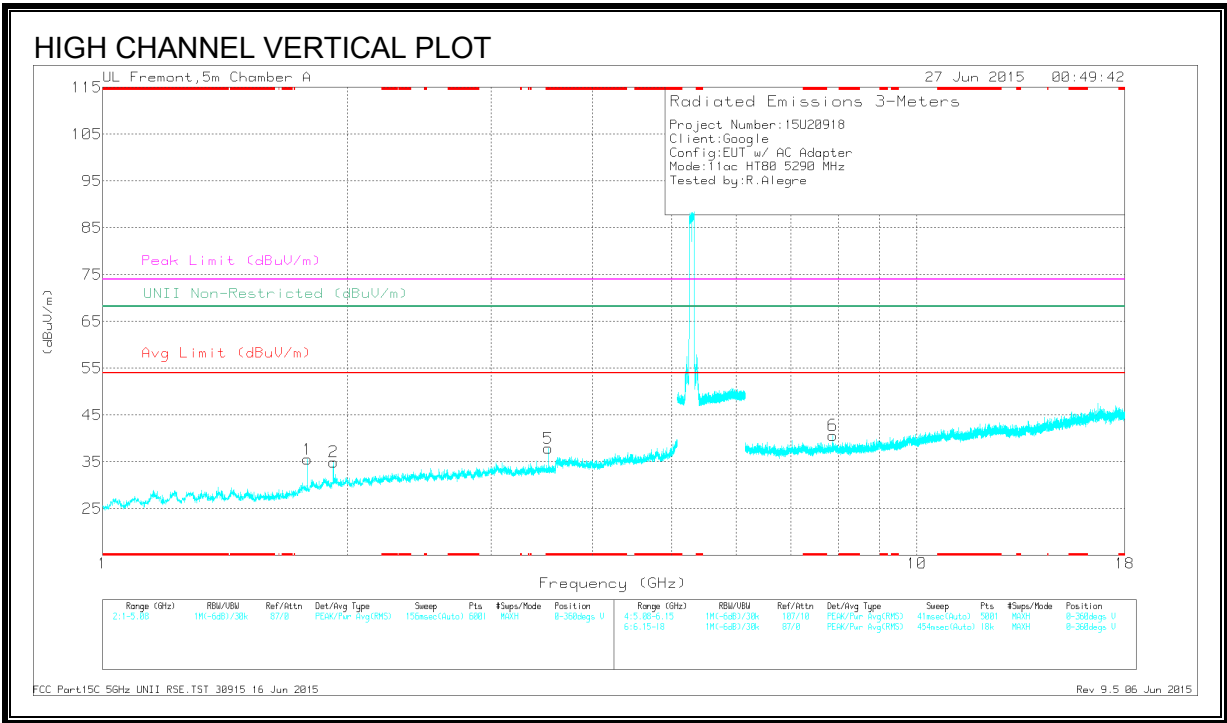
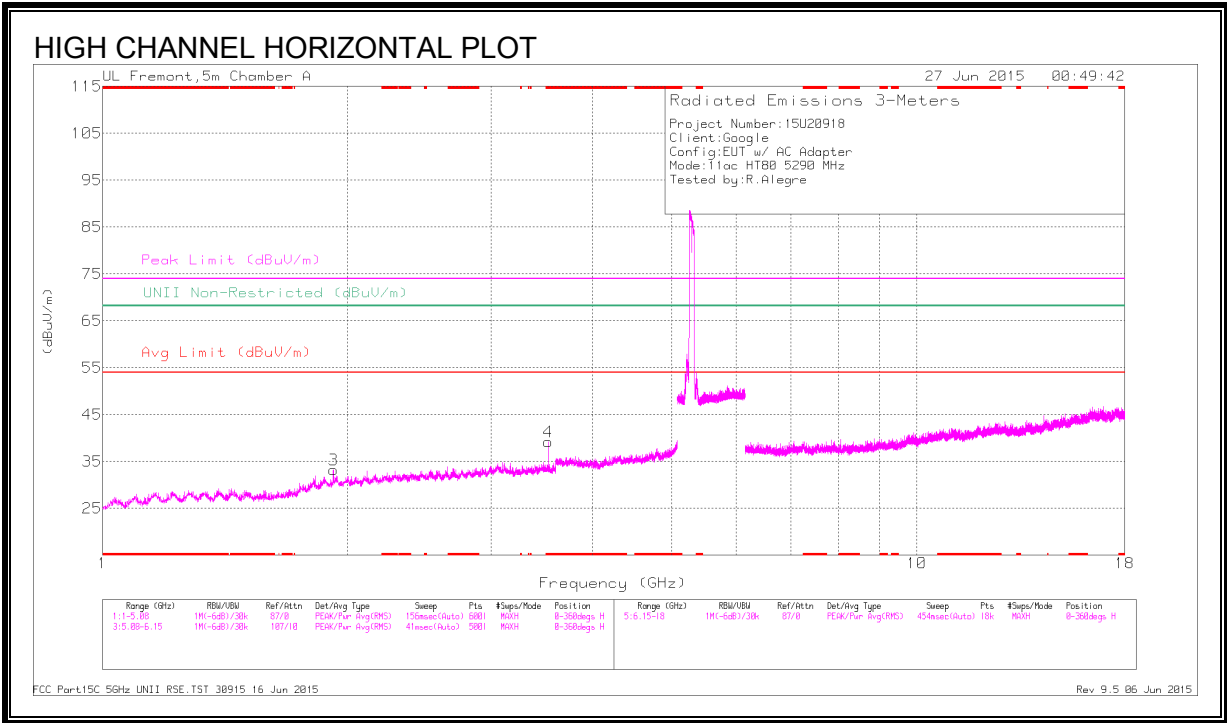
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT136 (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	47.05	Pk	34.6	-21.1	60.55	-	-	74	-13.45	313	321	V
2	* 5.366	52.66	Pk	34.6	-21	66.26	-	-	74	-7.74	313	321	V
3	* 5.35	35.37	RMS	34.6	-21.1	48.87	54	-5.13	-	-	313	321	V
4	* 5.362	37.67	RMS	34.6	-21	51.27	54	-2.73	-	-	313	321	V

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

Pk - Peak detector

RMS - RMS detection

HIGH CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (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	* 3.527	45.43	PK3	33.1	-33.2	45.33	-	-	74	-28.67	-	-	192	199	H
	* 3.527	38.54	ADR	33.1	-33.2	38.44	54	-15.56	-	-	-	-	192	199	H
5	* 3.527	45.12	PK3	33.1	-33.2	45.02	-	-	74	-28.98	-	-	236	124	V
	* 3.527	36.25	ADR	33.1	-33.2	36.15	54	-17.85	-	-	-	-	236	124	V
1	1.785	44.44	PK3	29.8	-34.8	39.44	-	-	-	-	68.2	-28.76	315	114	V
	1.785	31.07	ADR	29.8	-34.8	26.07	-	-	-	-	-	-	315	114	V
3	1.92	44.76	PK3	30.9	-34.5	41.16	-	-	-	-	68.2	-27.04	80	128	H
	1.92	35.69	ADR	30.9	-34.5	32.09	-	-	-	-	-	-	80	128	H
2	1.92	47.01	PK3	30.9	-34.5	43.41	-	-	-	-	68.2	-24.79	189	170	V
	1.92	38.57	ADR	30.9	-34.5	34.97	-	-	-	-	-	-	189	170	V
6	7.878	37.13	PK3	35.7	-25.9	46.93	-	-	-	-	68.2	-21.27	56	190	V
	7.879	25.62	ADR	35.7	-25.9	35.42	-	-	-	-	-	-	56	190	V

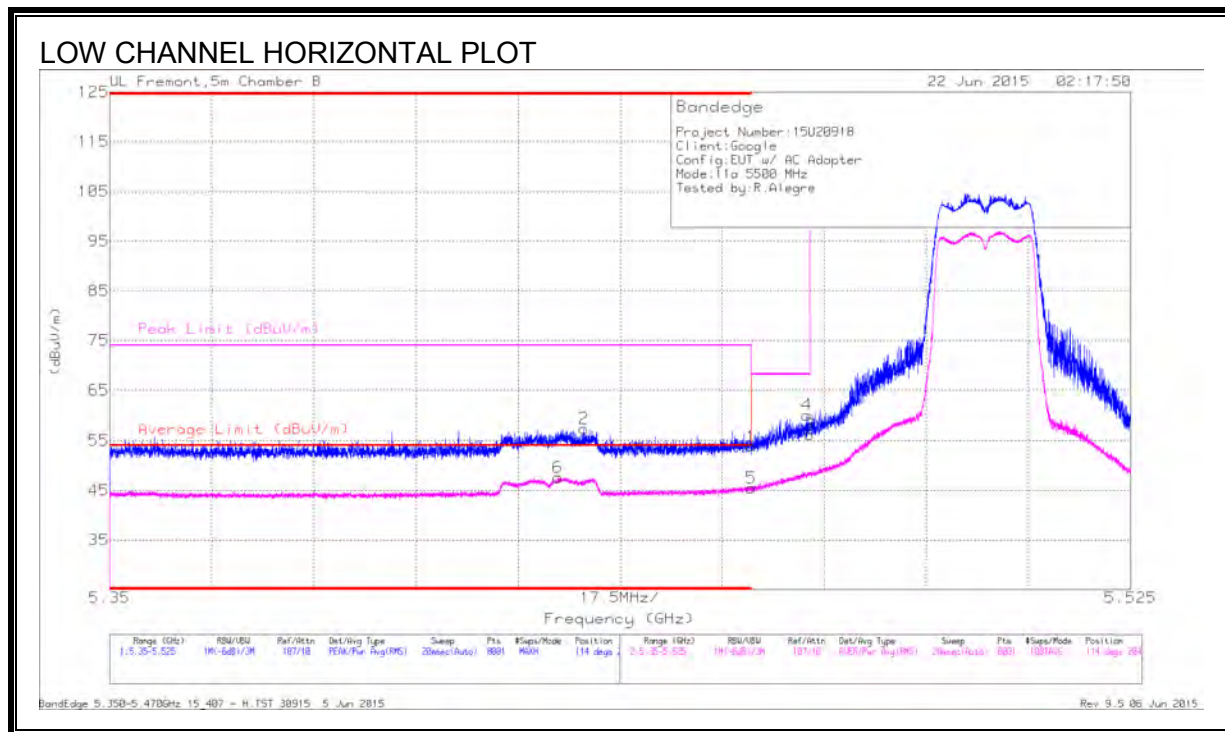
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK3 - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

9.10. 802.11a MODE IN THE 5.6 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



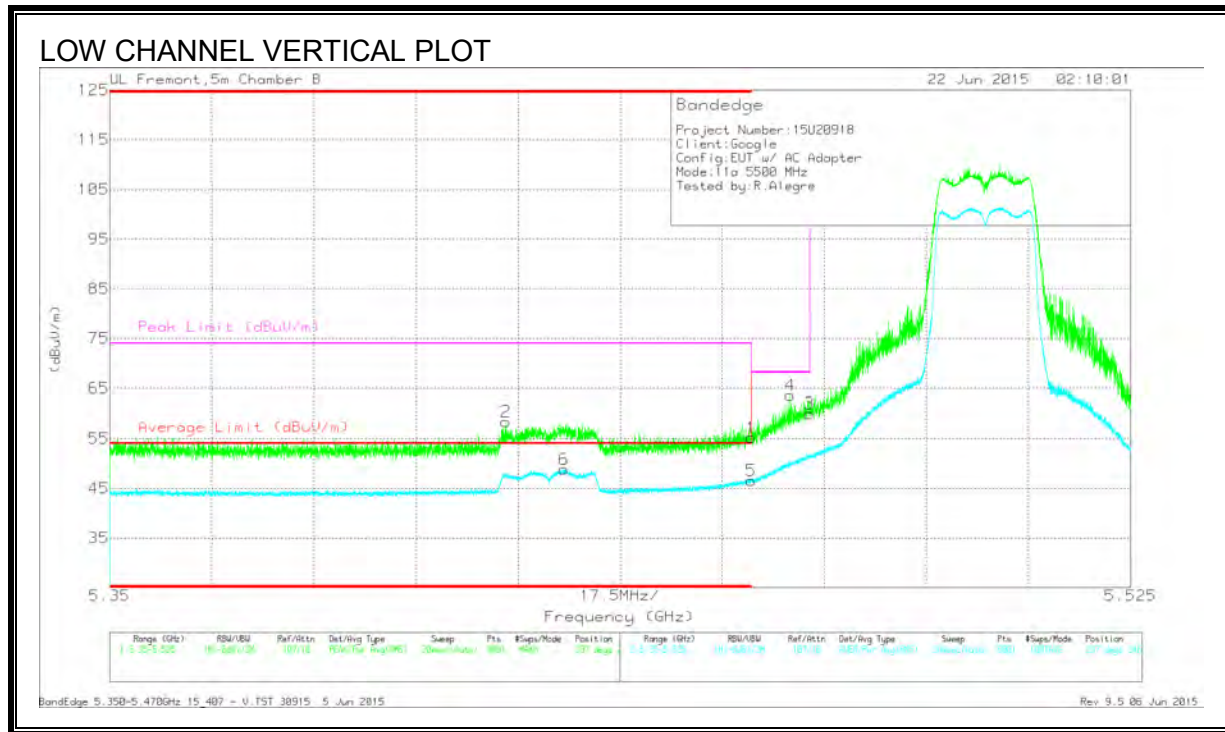
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Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT345 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	38.68	Pk	34.5	-19.3	53.88	-	-	74	-20.12	114	204	H
2	* 5.431	42.25	Pk	34.5	-19.3	57.45	-	-	74	-16.55	114	204	H
5	* 5.46	30.28	RMS	34.5	-19.3	45.48	54	-8.52	-	-	114	204	H
6	* 5.427	32.39	RMS	34.5	-19.3	47.59	54	-6.41	-	-	114	204	H
3	5.47	41.02	Pk	34.5	-19.3	56.22	-	-	68.2	-11.98	114	204	H
4	5.47	44.96	Pk	34.5	-19.3	60.16	-	-	68.2	-8.04	114	204	H

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

Pk - Peak detector

RMS - RMS detection



DATA

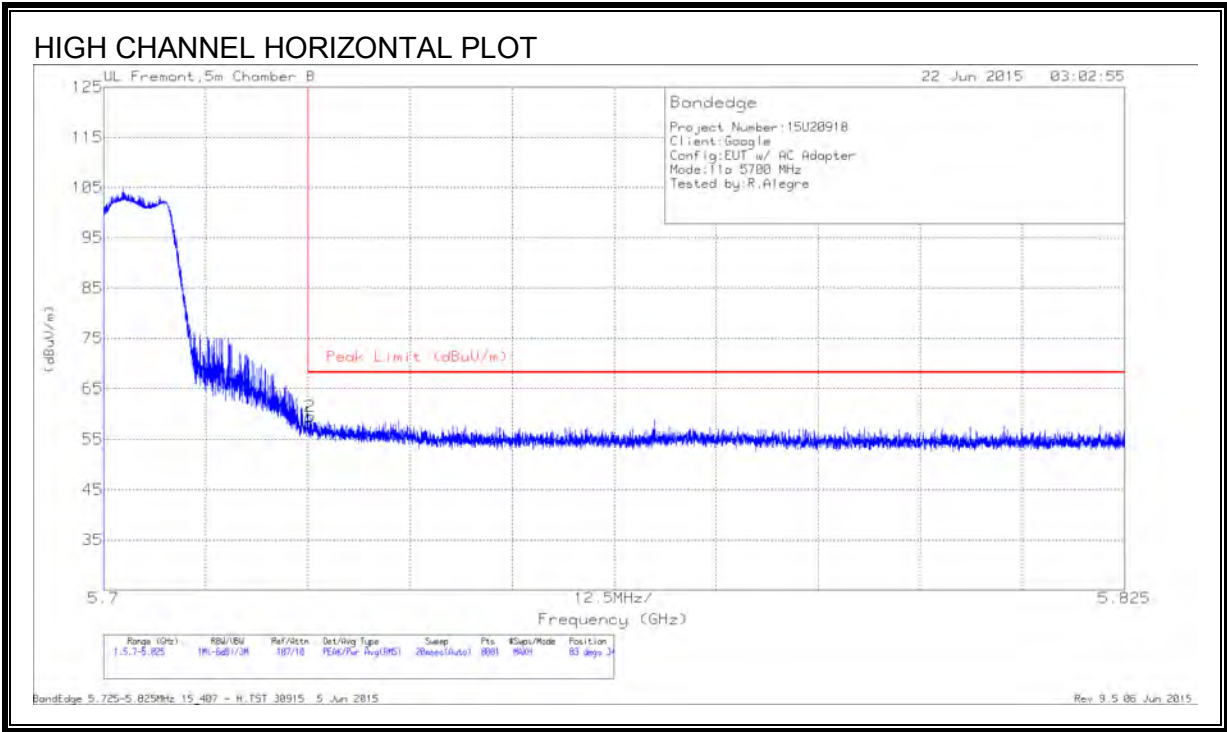
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT345 (dB/m)	Amp/Cb/ Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	40.02	Pk	34.5	-19.3	55.22	-	-	74	-18.78	237	246	V
2	* 5.418	43.21	Pk	34.5	-19.3	58.41	-	-	74	-15.59	237	246	V
5	* 5.46	31.37	RMS	34.5	-19.3	46.57	54	-7.43	-	-	237	246	V
6	* 5.428	33.65	RMS	34.5	-19.3	48.85	54	-5.15	-	-	237	246	V
4	5.467	48.45	Pk	34.5	-19.3	63.65	-	-	68.2	-4.55	237	246	V
3	5.47	44.83	Pk	34.5	-19.3	60.03	-	-	68.2	-8.17	237	246	V

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

Pk - Peak detector

RMS - RMS detection

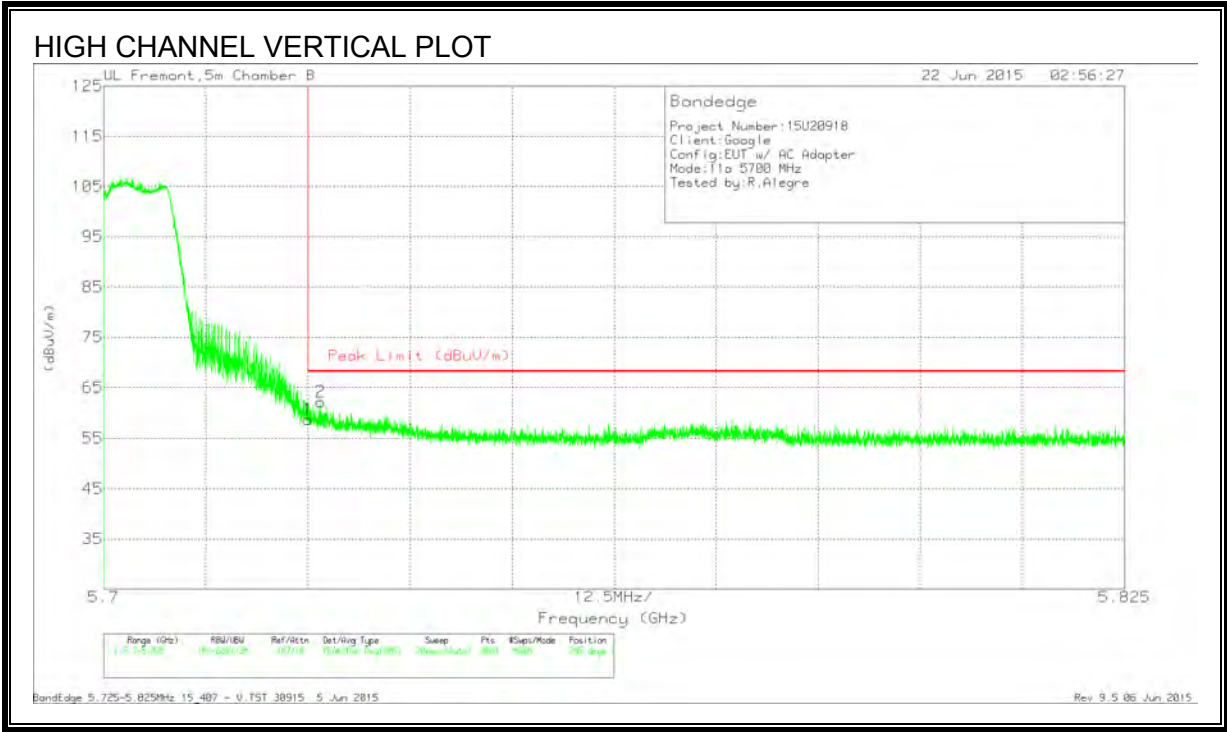
RESTRICTED BANDEDGE (HIGH CHANNEL)



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	42.39	Pk	35	-19.1	58.29	68.2	-9.91	83	346	H
2	5.725	43.69	Pk	35	-19.1	59.59	68.2	-8.61	83	346	H

Pk - Peak detector

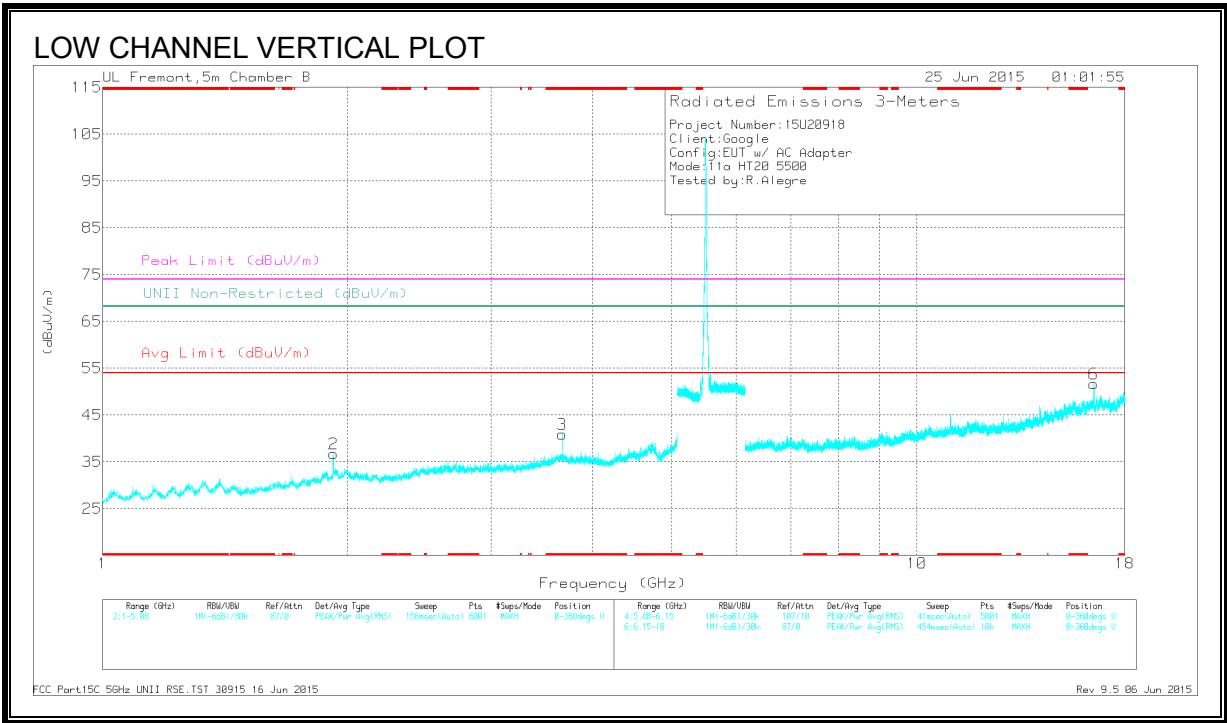
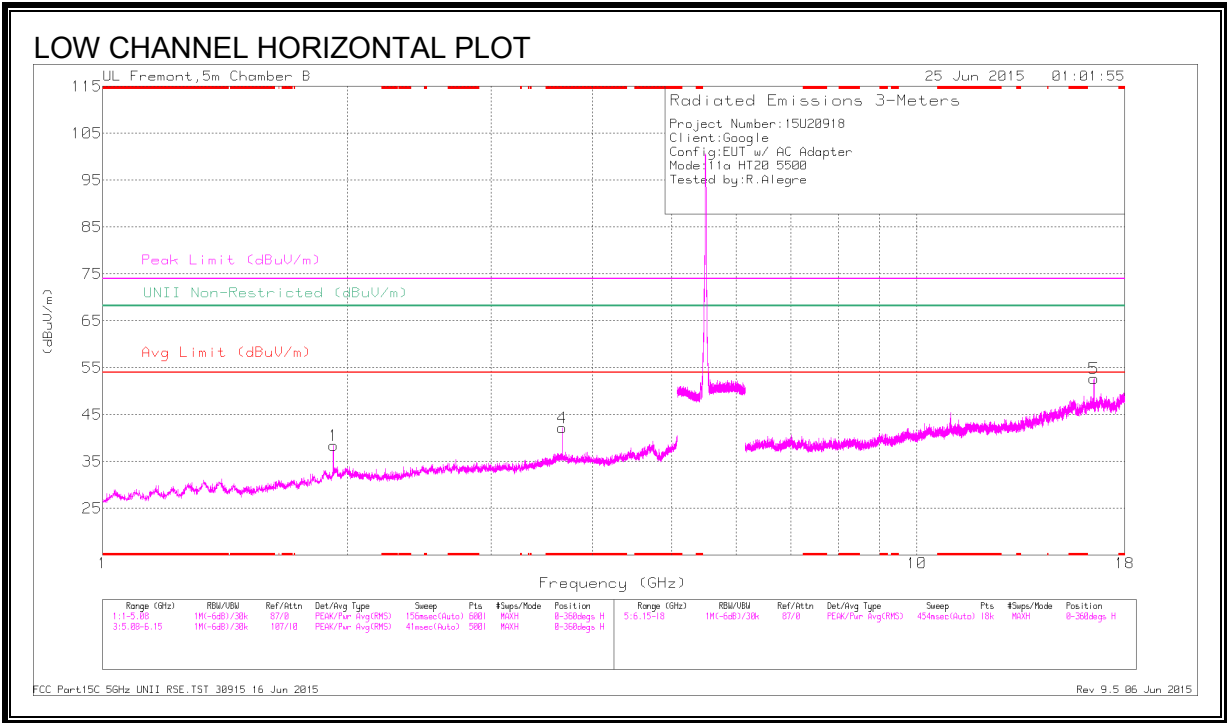


DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Filt r/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	42.87	Pk	35	-19.1	58.77	68.2	-9.43	245	229	V
2	5.727	46.36	Pk	35	-19.1	62.26	68.2	-5.94	245	229	V

Pk - Peak detector

LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

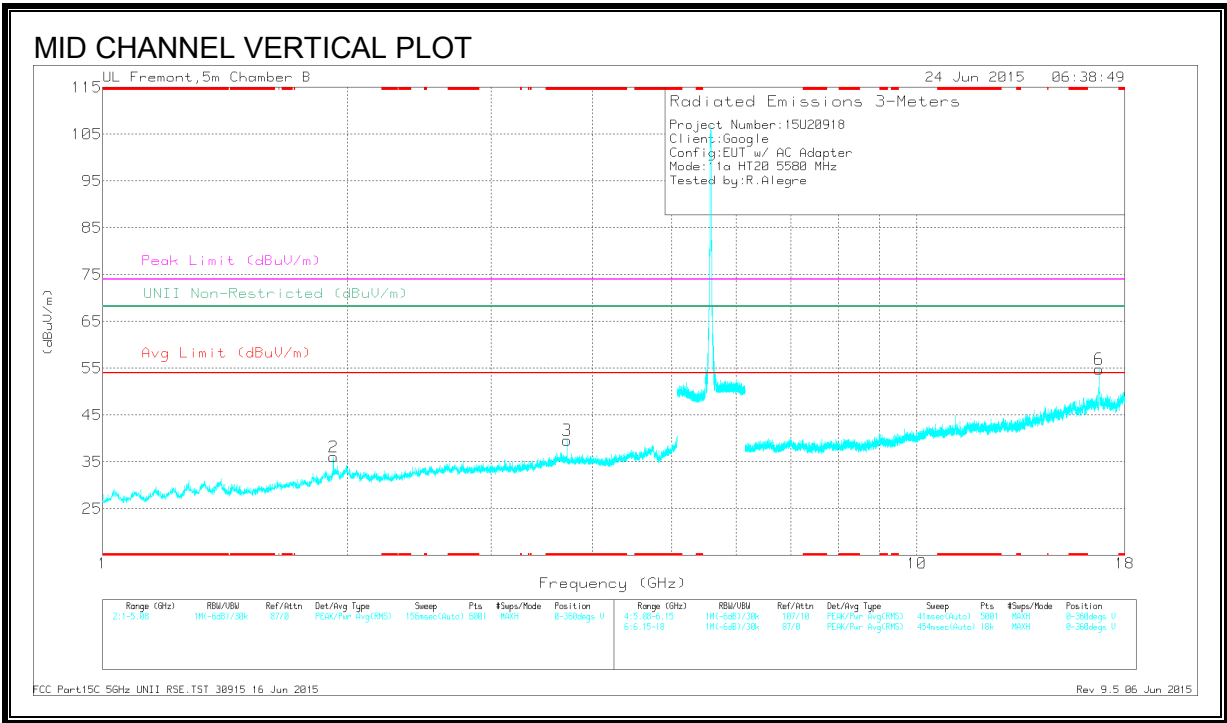
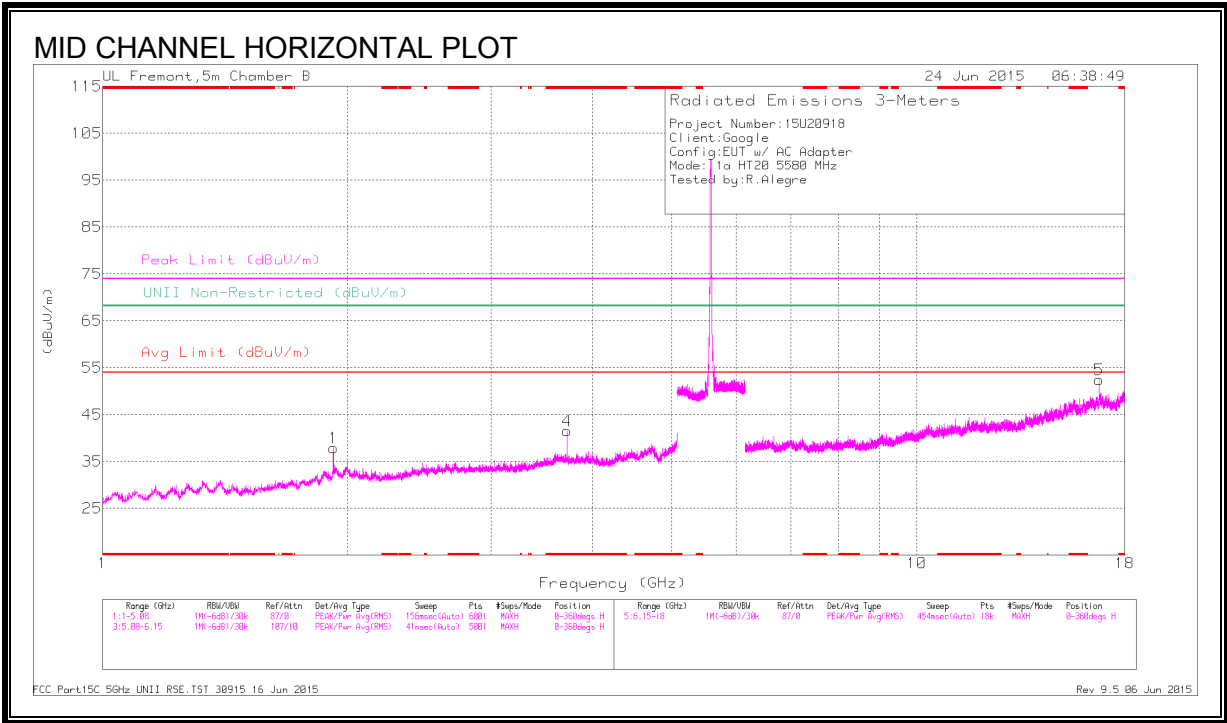
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 3.667	44.35	PK3	33.7	-30.1	47.95	-	-	74	-26.05	-	-	235	105	H
	* 3.667	37.23	ADR	33.7	-30.1	40.83	54	-13.17	-	-	-	-	235	105	H
3	* 3.667	43.54	PK3	33.7	-30.1	47.14	-	-	74	-26.86	-	-	149	360	V
	* 3.667	36.7	ADR	33.7	-30.1	40.3	54	-13.7	-	-	-	-	149	360	V
1	1.92	45.15	PK3	31.9	-31.7	45.35	-	-	-	-	68.2	-22.85	161	204	H
	1.92	37.53	ADR	31.9	-31.7	37.73	-	-	-	-	-	-	161	204	H
2	1.92	43.87	PK3	31.9	-31.7	44.07	-	-	-	-	68.2	-24.13	138	134	V
	1.92	35.81	ADR	31.9	-31.7	36.01	-	-	-	-	-	-	138	134	V
6	16.497	40.39	PK3	41.3	-18.9	62.79	-	-	-	-	68.2	-5.41	174	192	H
	16.497	40.16	PK3	41.3	-18.9	62.56	-	-	-	-	68.2	-5.64	338	226	V
5	16.497	27.23	ADR	41.3	-18.9	49.63	-	-	-	-	-	-	338	226	V
	16.499	26.77	ADR	41.3	-18.9	49.17	-	-	-	-	-	-	174	192	H

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

PK3 - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

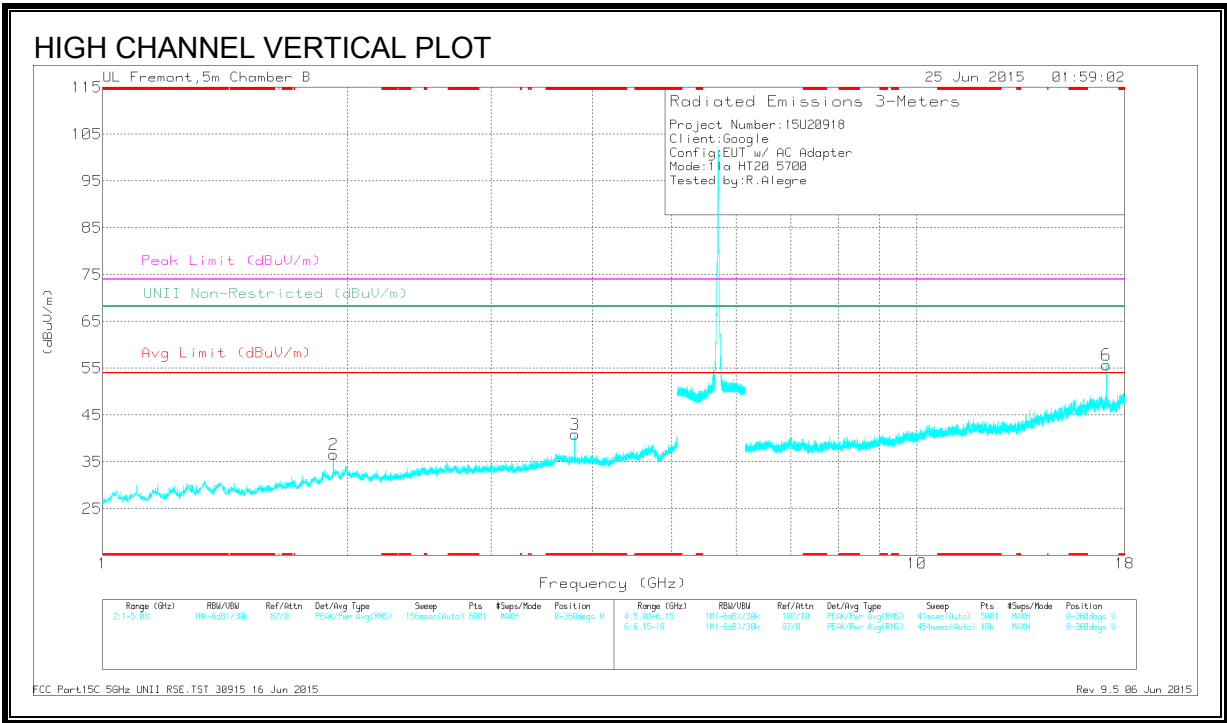
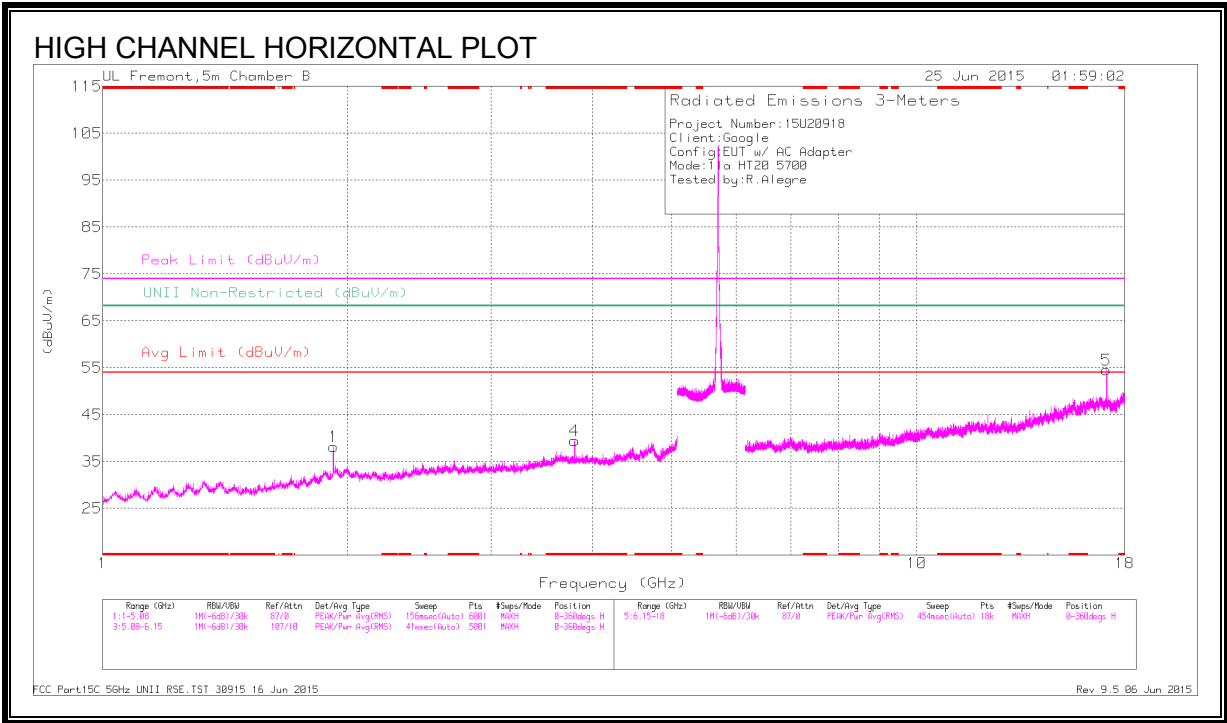
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Fitter/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 3.72	43.95	PK3	33.6	-30.2	47.35	-	-	74	-26.65	-	-	297	125	H
	* 3.72	36.61	ADR	33.6	-30.2	40.01	54	-13.99	-	-	-	-	297	125	H
3	* 3.72	45.81	PK3	33.6	-30.2	49.21	-	-	74	-24.79	-	-	179	267	V
	* 3.72	40.31	ADR	33.6	-30.2	43.71	54	-10.29	-	-	-	-	179	267	V
1	1.92	44.39	PK3	31.9	-31.7	44.59	-	-	-	-	68.2	-23.61	160	102	H
	1.92	37.05	ADR	31.9	-31.7	37.25	-	-	-	-	-	-	160	102	H
2	1.92	44.55	PK3	31.9	-31.7	44.75	-	-	-	-	68.2	-23.45	81	215	V
	1.92	37.44	ADR	31.9	-31.7	37.64	-	-	-	-	-	-	81	215	V
5	16.739	37.79	PK3	41.8	-18.7	60.89	-	-	-	-	68.2	-7.31	247	207	H
	16.74	25.52	ADR	41.8	-18.7	48.62	-	-	-	-	-	-	247	207	H
6	16.743	37.84	PK3	41.8	-18.6	61.04	-	-	-	-	68.2	-7.16	45	223	V
	16.743	25.73	ADR	41.8	-18.6	48.93	-	-	-	-	-	-	45	223	V

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

PK3 - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

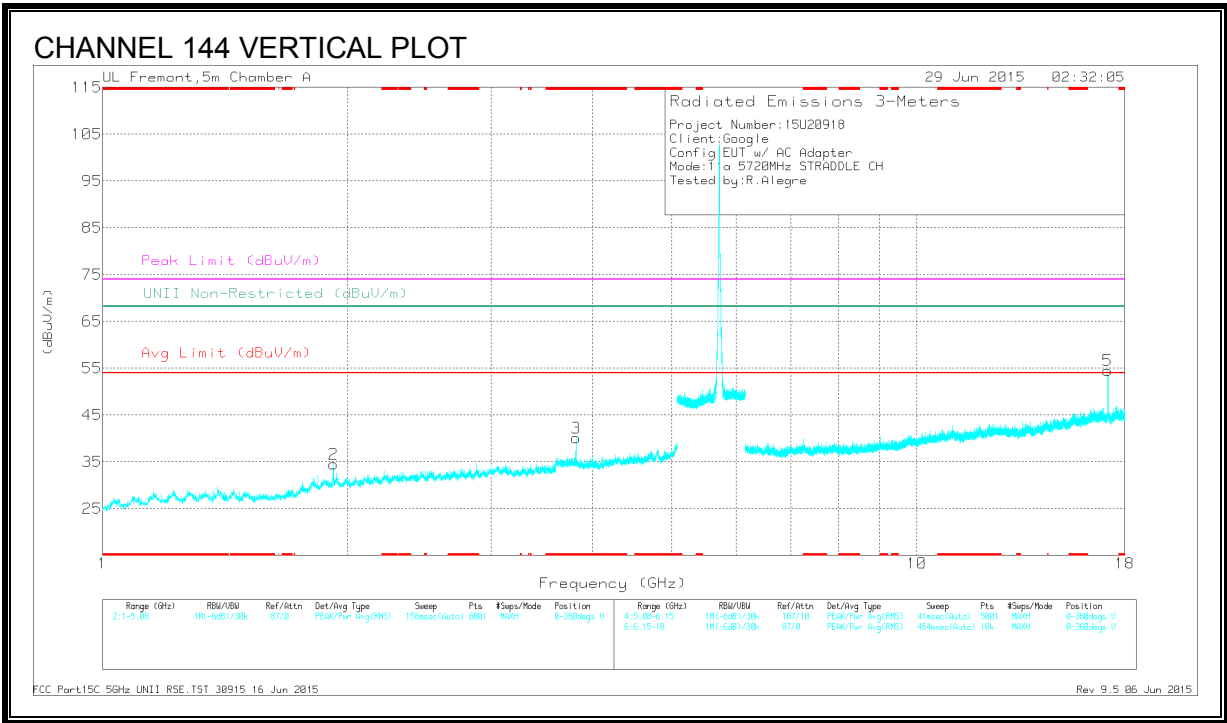
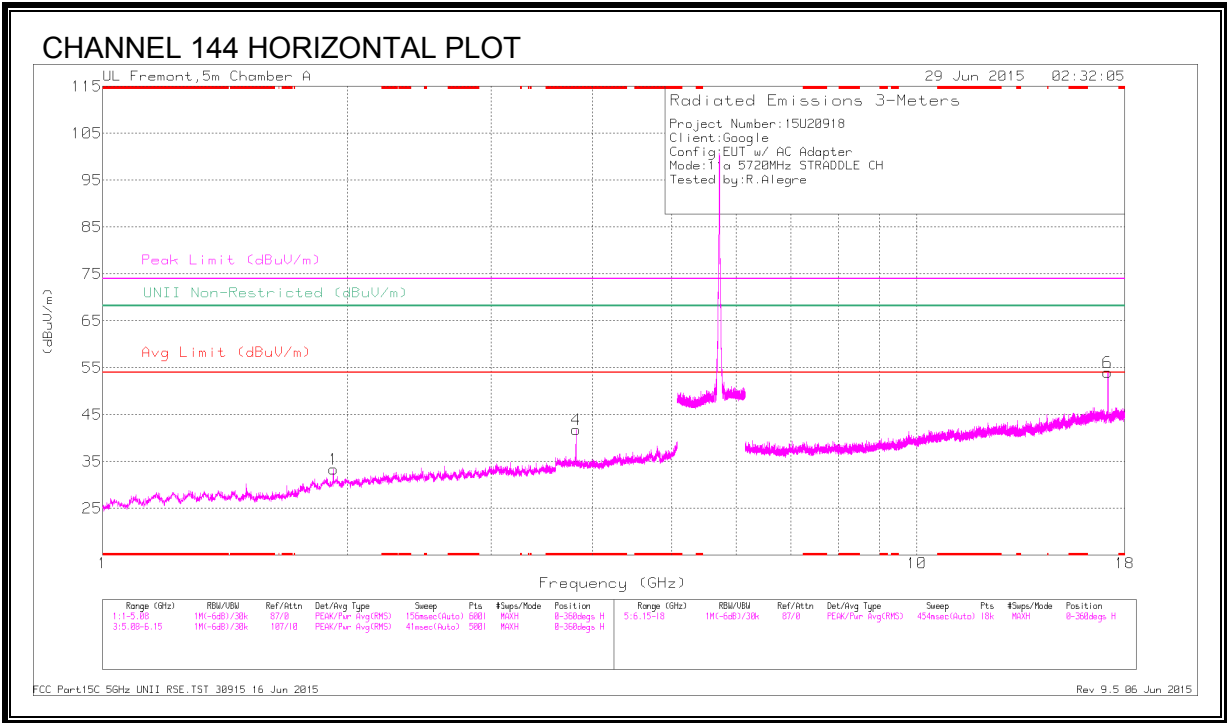
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 3.8	42.62	PK3	33.3	-30	45.92	-	-	74	-28.08	-	-	230	308	H
	* 3.8	34.53	ADR	33.3	-30	37.83	54	-16.17	-	-	-	-	230	308	H
3	* 3.8	44.85	PK3	33.3	-30	48.15	-	-	74	-25.85	-	-	50	234	V
	* 3.8	37.73	ADR	33.3	-30	41.03	54	-12.97	-	-	-	-	50	234	V
1	1.92	44.8	PK3	31.9	-31.7	45	-	-	-	-	68.2	-23.2	164	148	H
	1.92	37.38	ADR	31.9	-31.7	37.58	-	-	-	-	-	-	164	148	H
2	1.92	43.82	PK3	31.9	-31.7	44.02	-	-	-	-	68.2	-24.18	71	219	V
	1.92	35.57	ADR	31.9	-31.7	35.77	-	-	-	-	-	-	71	219	V
6	17.097	43.09	PK3	41.6	-18.8	65.89	-	-	-	-	68.2	-2.31	223	118	V
	17.099	29.96	ADR	41.6	-18.9	52.66	-	-	-	-	-	-	223	118	V
5	17.101	40.22	PK3	41.6	-18.9	62.92	-	-	-	-	68.2	-5.28	27	284	H
	17.101	28.44	ADR	41.6	-19	51.04	-	-	-	-	-	-	27	284	H

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

PK3 - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

CHANNEL 144 HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (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	* 3.813	45.4	PK3	33.4	-32.3	46.5	-	-	74	-27.5	-	-	342	151	H
	* 3.813	37.94	ADR	33.4	-32.3	39.04	54	-14.96	-	-	-	-	342	151	H
3	* 3.814	45.11	PK3	33.4	-32.3	46.21	-	-	74	-27.79	-	-	38	297	V
	* 3.813	37.38	ADR	33.4	-32.3	38.48	54	-15.52	-	-	-	-	38	297	V
1	1.92	44.79	PK3	30.9	-34.5	41.19	-	-	-	-	68.2	-27.01	110	161	H
2	1.92	45.57	PK3	30.9	-34.5	41.97	-	-	-	-	68.2	-26.23	142	126	V
6	17.164	45.16	PK3	41.4	-23.3	63.26	-	-	-	-	68.2	-4.94	42	100	H
5	17.164	42.62	PK3	41.4	-23.3	60.72	-	-	-	-	68.2	-7.48	254	229	V

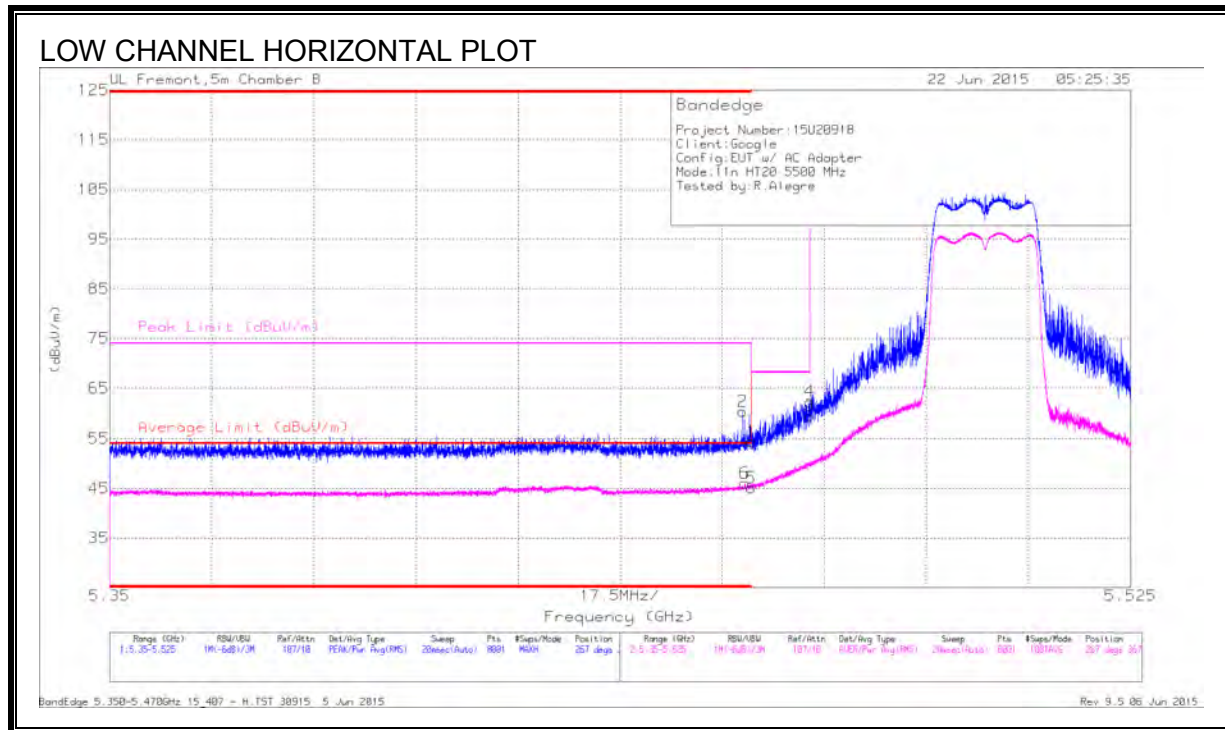
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK3 - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

9.11. 802.11n HT20 MODE IN THE 5.6 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



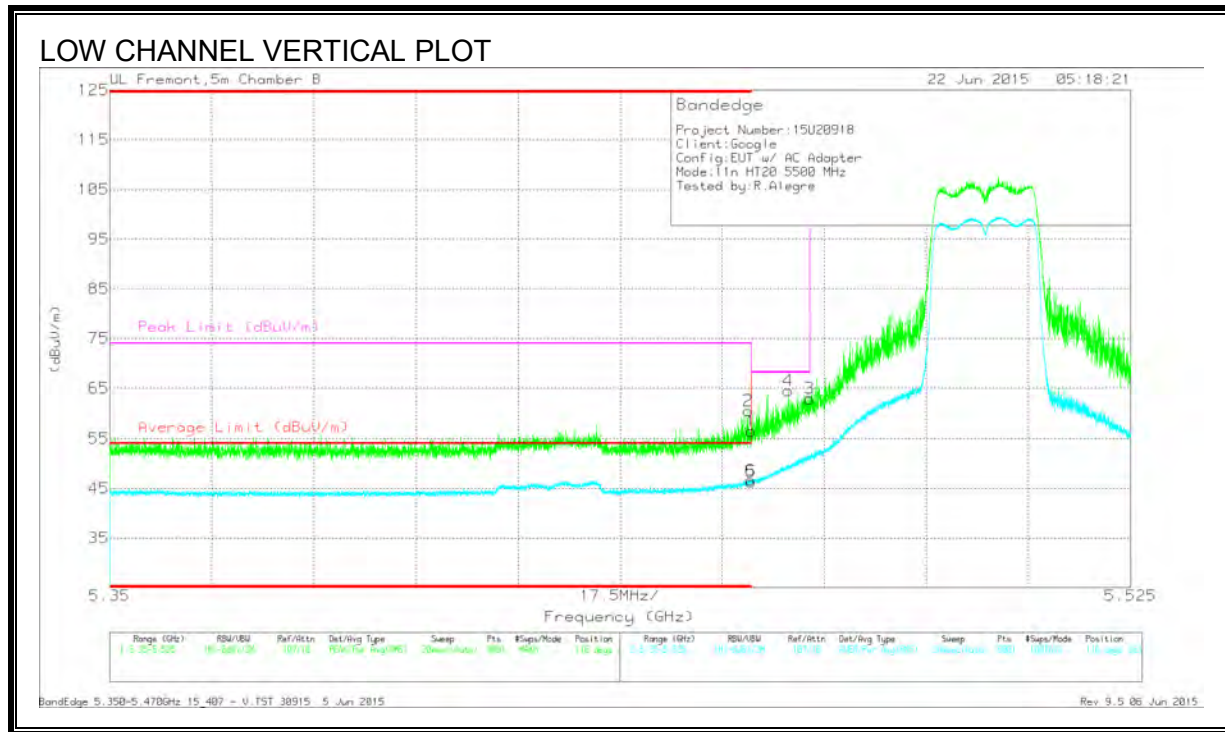
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Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT345 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.458	45.26	Pk	34.5	-19.3	60.46	-	-	74	-13.54	267	367	H
6	* 5.459	30.9	RMS	34.5	-19.3	46.1	54	-7.9	-	-	267	367	H
1	* 5.46	39.23	Pk	34.5	-19.3	54.43	-	-	74	-19.57	267	367	H
5	* 5.46	29.9	RMS	34.5	-19.3	45.1	54	-8.9	-	-	267	367	H
3	5.47	44.45	Pk	34.5	-19.3	59.65	-	-	68.2	-8.55	267	367	H
4	5.47	47.14	Pk	34.5	-19.3	62.34	-	-	68.2	-5.86	267	367	H

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

Pk - Peak detector

RMS - RMS detection



DATA

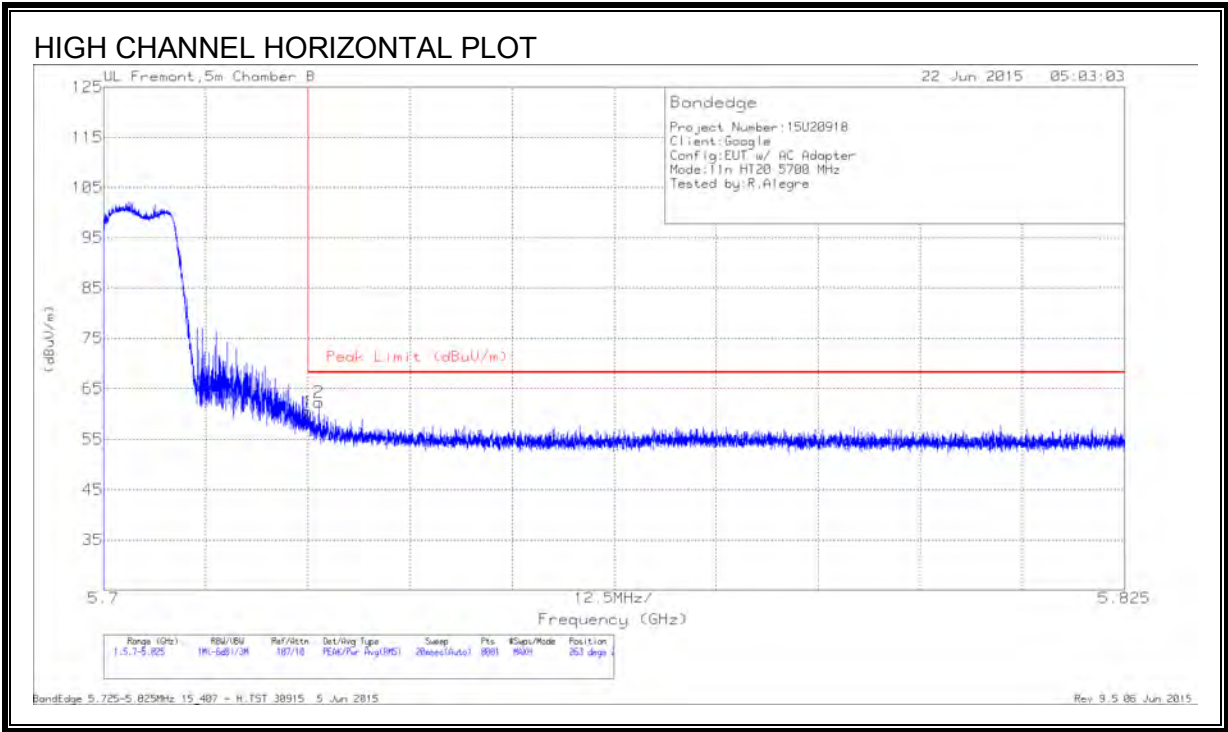
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT345 (dB/m)	Amp/Cb/ Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.459	45.38	Pk	34.5	-19.3	60.58	-	-	74	-13.42	116	363	V
1	* 5.46	41.31	Pk	34.5	-19.3	56.51	-	-	74	-17.49	116	363	V
5	* 5.46	31.14	RMS	34.5	-19.3	46.34	54	-7.66	-	-	116	363	V
6	* 5.46	31.45	RMS	34.5	-19.3	46.65	54	-7.35	-	-	116	363	V
4	5.466	49.32	Pk	34.5	-19.3	64.52	-	-	68.2	-3.68	116	363	V
3	5.47	47.79	Pk	34.5	-19.3	62.99	-	-	68.2	-5.21	116	363	V

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

Pk - Peak detector

RMS - RMS detection

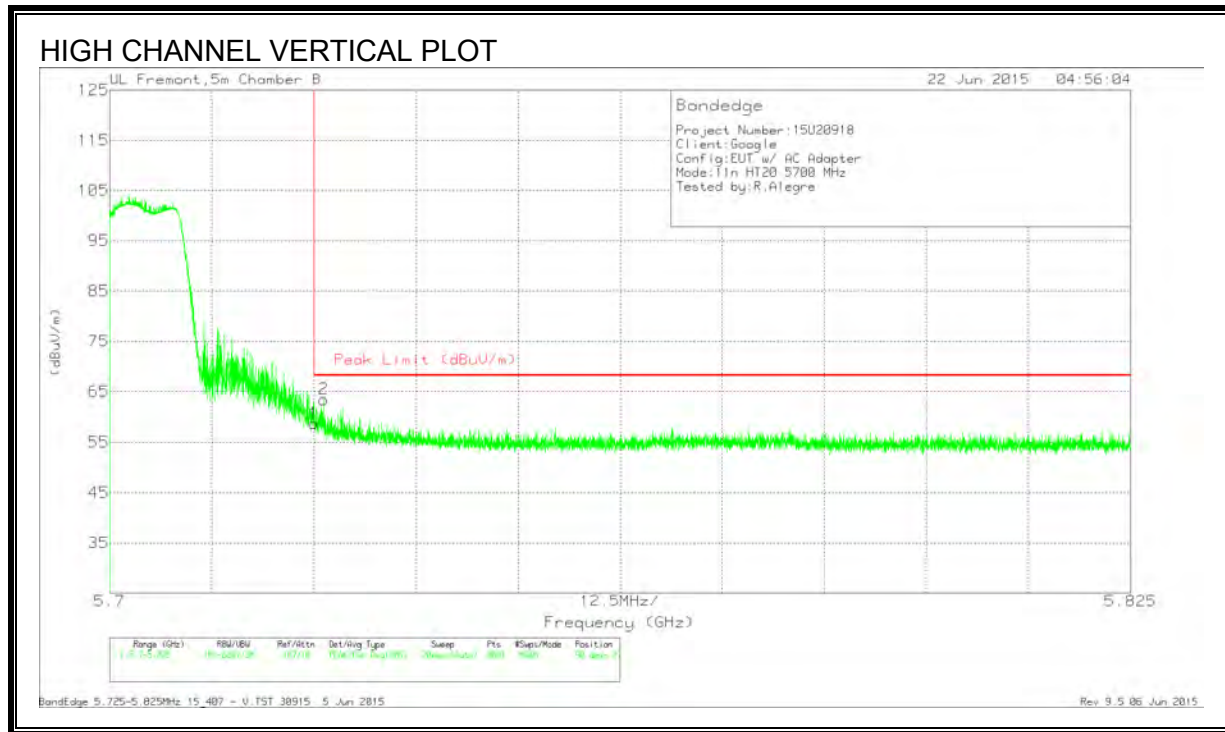
RESTRICTED BANDEDGE (HIGH CHANNEL)



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	44.61	Pk	35	-19.1	60.51	68.2	-7.69	263	280	H
2	5.726	46.45	Pk	35	-19.1	62.35	68.2	-5.85	263	280	H

Pk - Peak detector

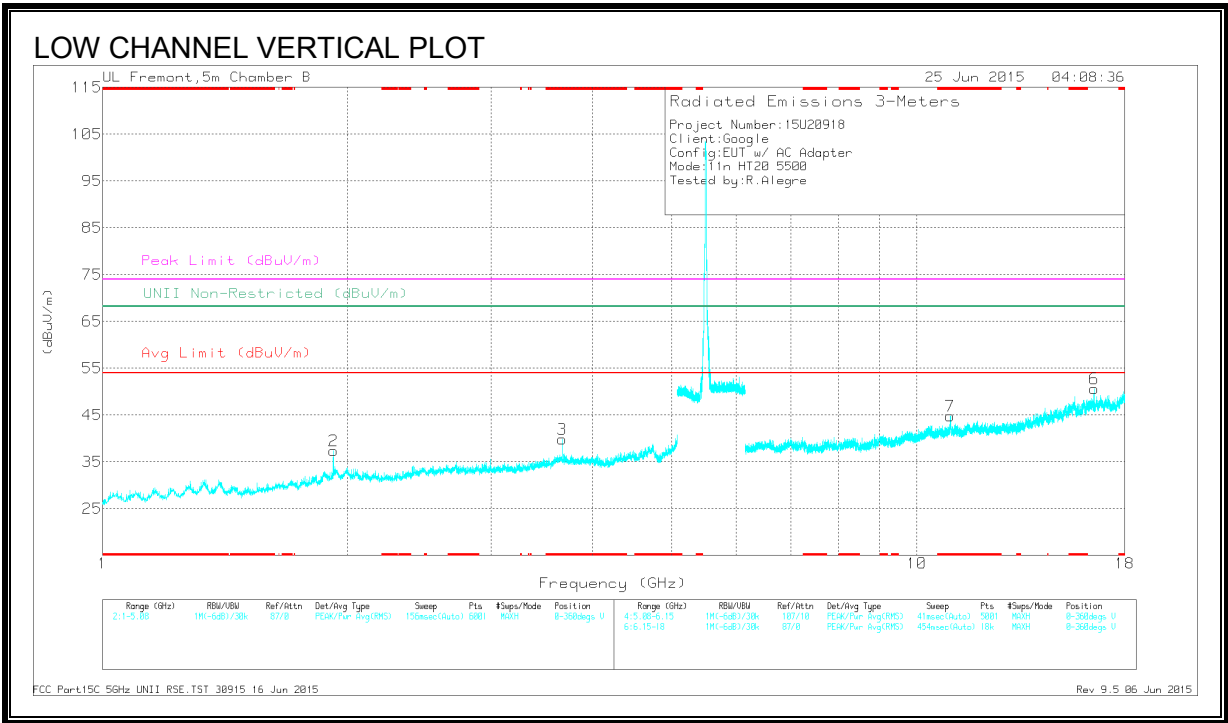
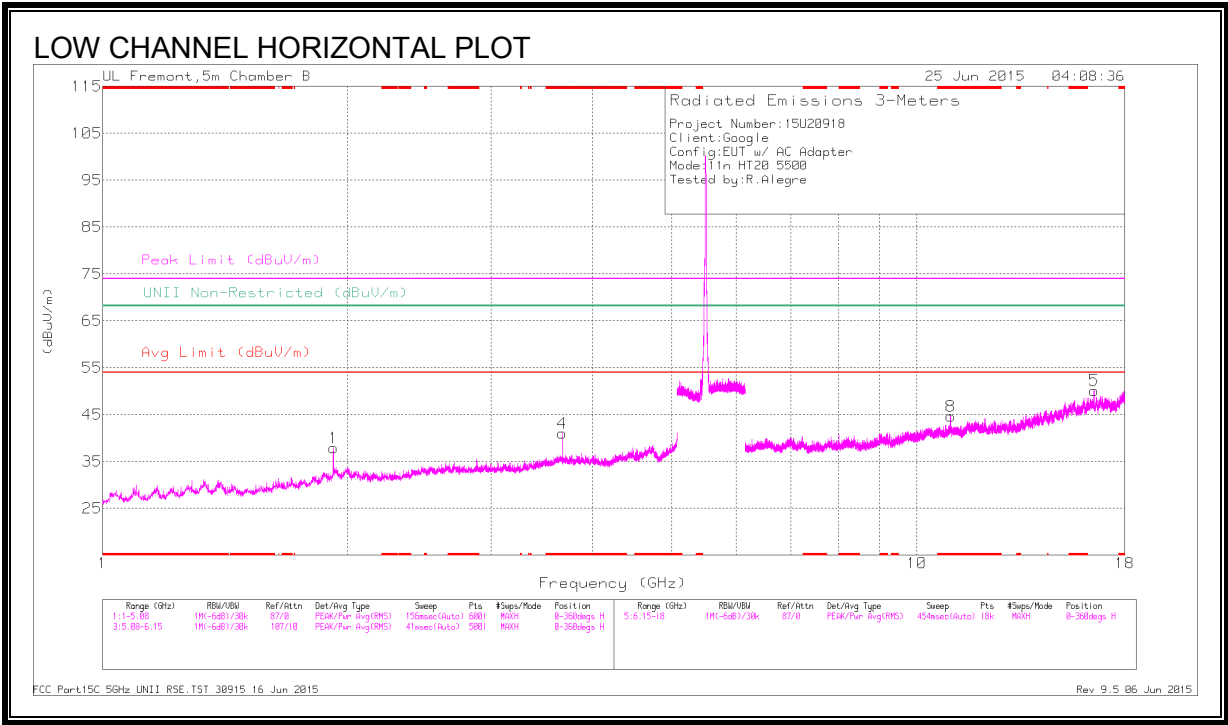


DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Filt r/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	42.9	Pk	35	-19.1	58.8	68.2	-9.4	90	277	V
2	5.726	47.63	Pk	35	-19.1	63.53	68.2	-4.67	90	277	V

Pk - Peak detector

LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

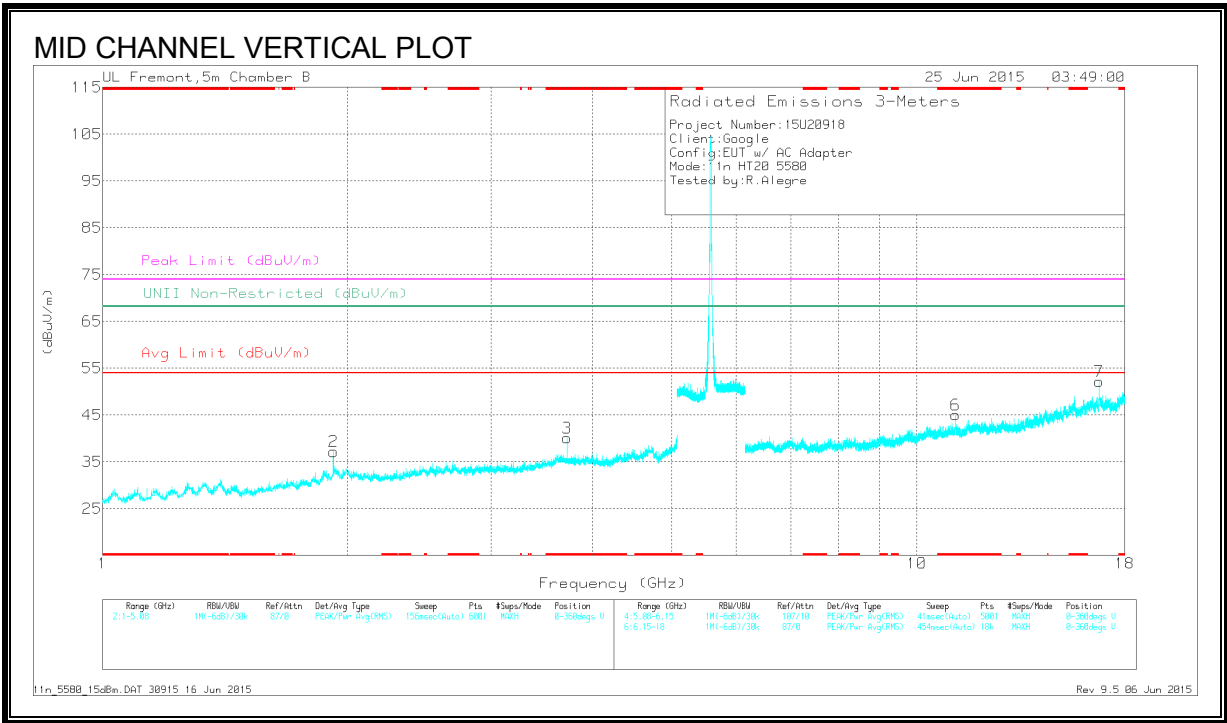
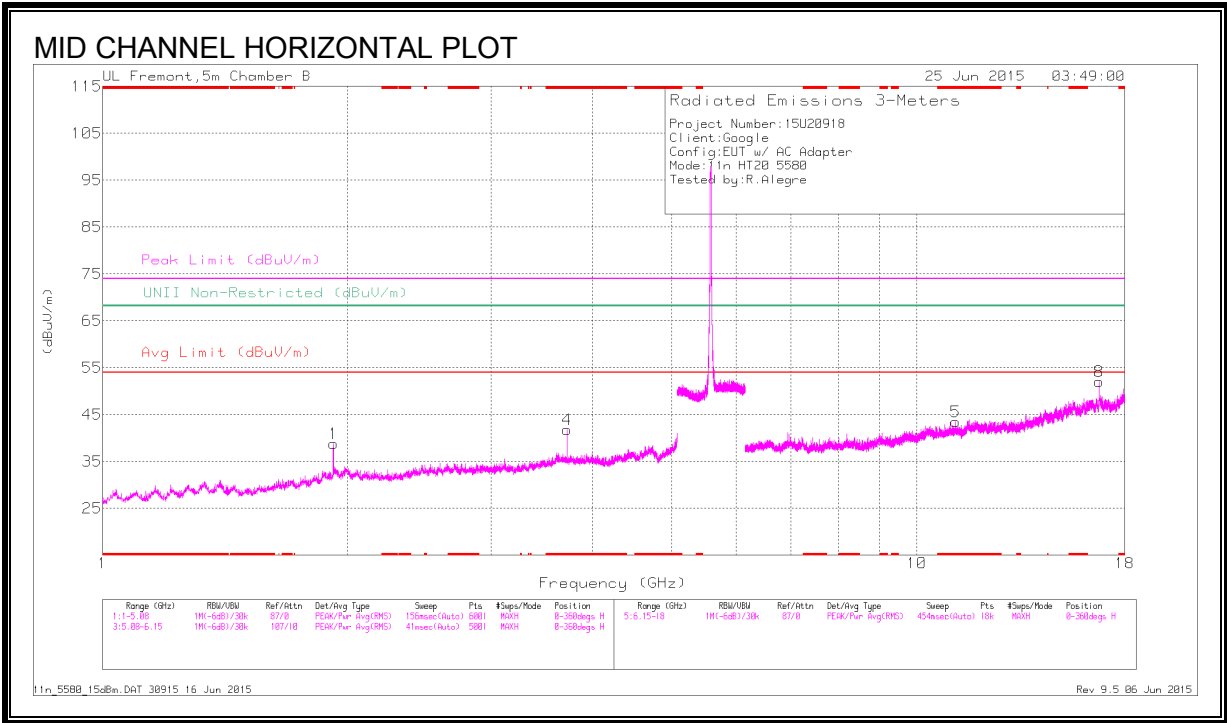
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 3.667	44.53	PK3	33.7	-30.1	48.13	-	-	74	-25.87	-	-	235	104	H
	* 3.667	37.59	ADR	33.7	-30.1	41.19	54	-12.81	-	-	-	-	235	104	H
3	* 3.667	44.33	PK3	33.7	-30.1	47.93	-	-	74	-26.07	-	-	126	318	V
	* 3.667	37.64	ADR	33.7	-30.1	41.24	54	-12.76	-	-	-	-	126	318	V
8	* 11.001	39.49	PK3	37.7	-22.2	54.99	-	-	74	-19.01	-	-	173	107	H
	* 11	27.8	ADR	37.7	-22.2	43.3	54	-10.7	-	-	-	-	173	107	H
7	* 10.996	39.97	PK3	37.7	-22.1	55.57	-	-	74	-18.43	-	-	186	136	V
	* 10.996	27.1	ADR	37.7	-22.1	42.7	54	-11.3	-	-	-	-	186	136	V
1	1.92	44.22	PK3	31.9	-31.7	44.42	-	-	-	-	68.2	-23.78	166	264	H
	1.92	36.72	ADR	31.9	-31.7	36.92	-	-	-	-	-	-	166	264	H
2	1.92	44.59	PK3	31.9	-31.7	44.79	-	-	-	-	68.2	-23.41	142	135	V
	1.92	36.4	ADR	31.9	-31.7	36.6	-	-	-	-	-	-	142	135	V
6	16.502	39.36	PK3	41.3	-19	61.66	-	-	-	-	68.2	-6.54	339	202	V
	16.503	26.7	ADR	41.3	-19	49	-	-	-	-	-	-	339	202	V
5	16.507	37.53	PK3	41.3	-19.1	59.73	-	-	-	-	68.2	-8.47	180	205	H
	16.507	25.09	ADR	41.3	-19.1	47.29	-	-	-	-	-	-	180	205	H

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

PK3 - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

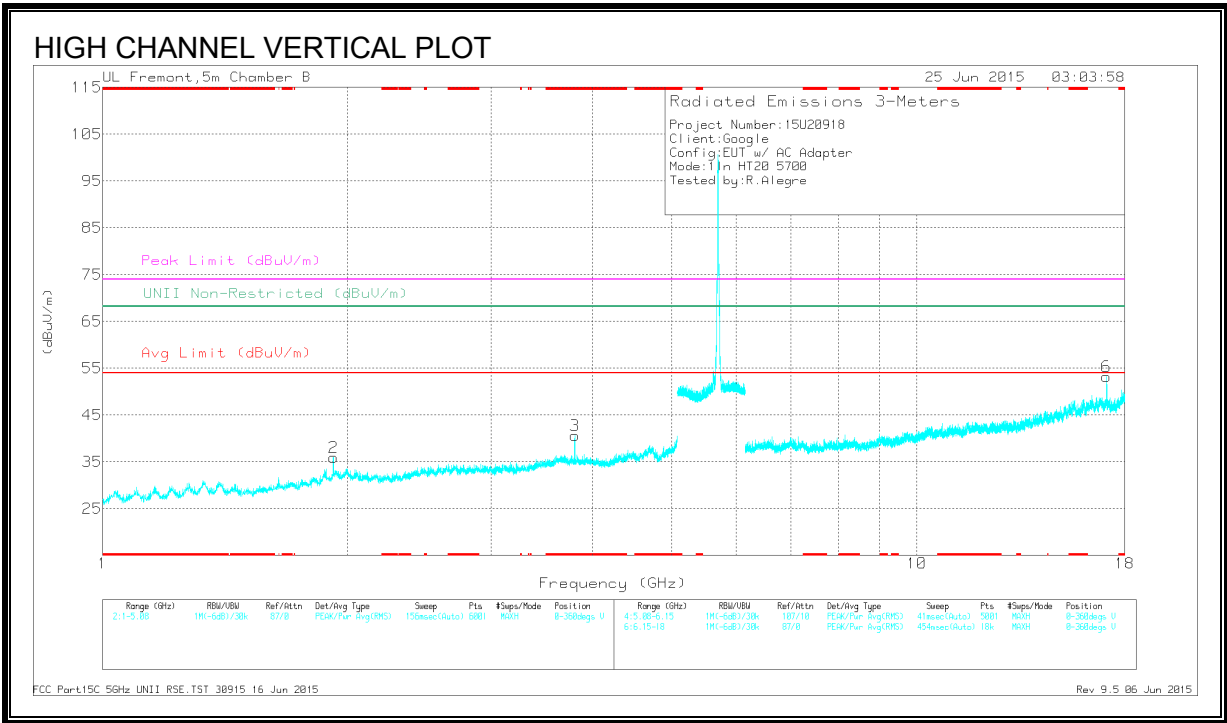
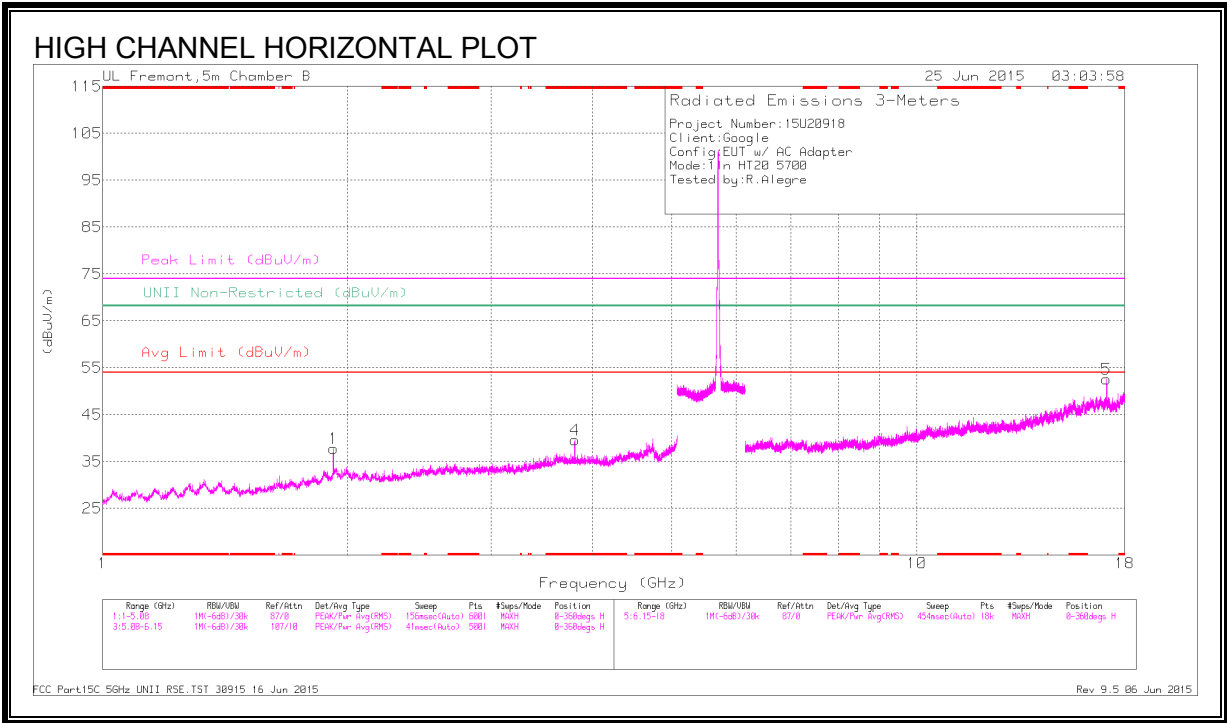
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 3.72	44.15	PK3	33.6	-30.2	47.55	-	-	74	-26.45	-	-	236	101	H
	* 3.72	37.22	ADR	33.6	-30.2	40.62	54	-13.38	-	-	-	-	236	101	H
3	* 3.72	43.98	PK3	33.6	-30.2	47.38	-	-	74	-26.62	-	-	23	276	V
	* 3.72	37.62	ADR	33.6	-30.2	41.02	54	-12.98	-	-	-	-	23	276	V
5	* 11.158	35.95	PK3	37.8	-21.8	51.95	-	-	74	-22.05	-	-	169	198	H
	* 11.161	24.6	ADR	37.8	-21.8	40.6	54	-13.4	-	-	-	-	169	198	H
6	* 11.158	37.31	PK3	37.8	-21.8	53.31	-	-	74	-20.69	-	-	358	226	V
	* 11.16	25.52	ADR	37.8	-21.8	41.52	54	-12.48	-	-	-	-	358	226	V
1	1.919	43.96	PK3	31.9	-31.7	44.16	-	-	-	-	68.2	-24.04	162	213	H
	1.92	36.74	ADR	31.9	-31.7	36.94	-	-	-	-	-	-	162	213	H
2	1.92	44.47	PK3	31.9	-31.7	44.67	-	-	-	-	68.2	-23.53	141	137	V
	1.92	36.6	ADR	31.9	-31.7	36.8	-	-	-	-	-	-	141	137	V
8	16.74	38.18	PK3	41.8	-18.7	61.28	-	-	-	-	68.2	-6.92	180	193	H
	16.74	25.7	ADR	41.8	-18.7	48.8	-	-	-	-	-	-	180	193	H
7	16.743	27.39	ADR	41.8	-18.6	50.59	-	-	-	-	-	-	232	112	V
	16.745	40.54	PK3	41.8	-18.6	63.74	-	-	-	-	68.2	-4.46	232	112	V

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

PK3 - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

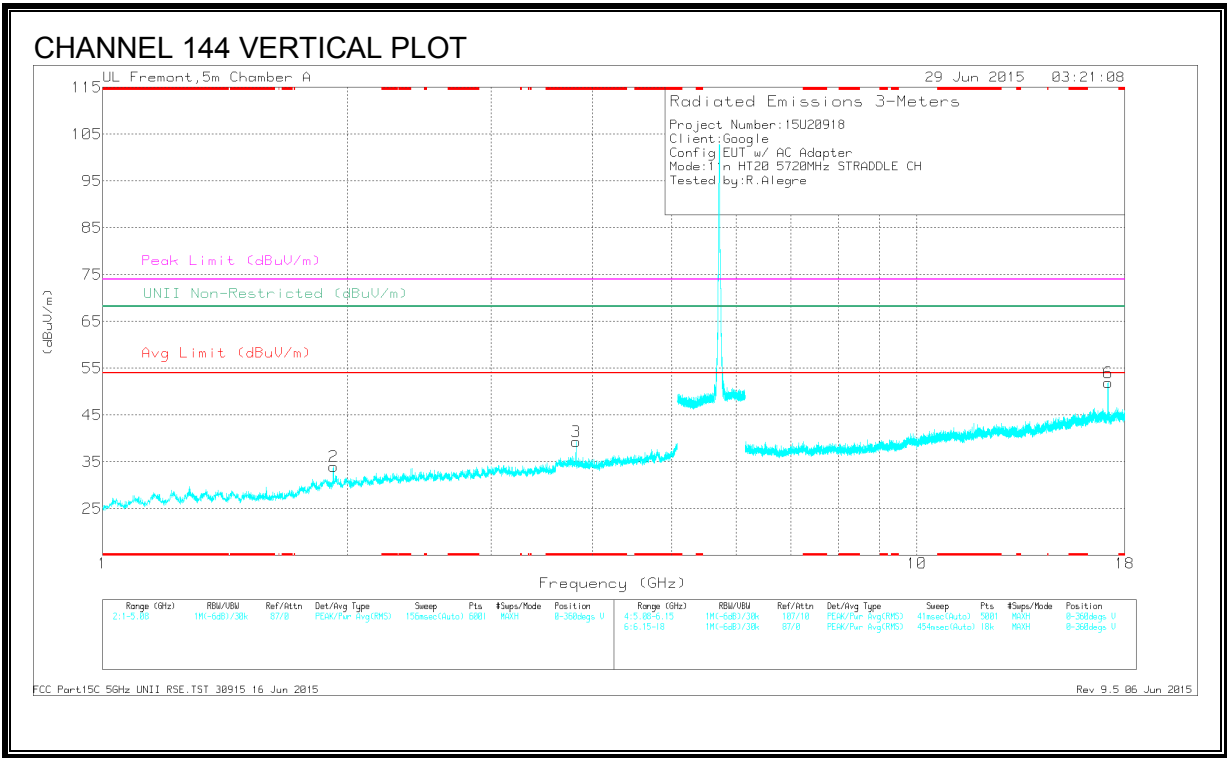
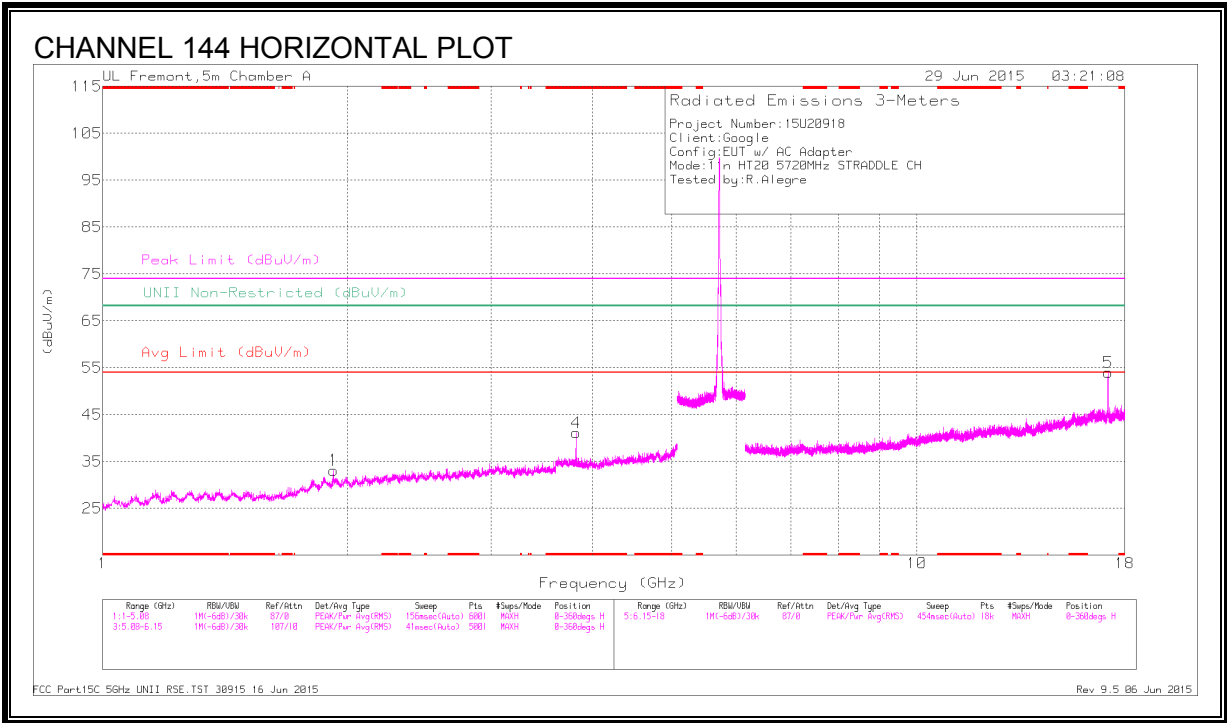
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 3.8	43.43	PK3	33.3	-30	46.73	-	-	74	-27.27	-	-	230	101	H
	* 3.8	35.5	ADR	33.3	-30	38.8	54	-15.2	-	-	-	-	230	101	H
3	* 3.8	44.77	PK3	33.3	-30	48.07	-	-	74	-25.93	-	-	94	299	V
	* 3.8	39.07	ADR	33.3	-30	42.37	54	-11.63	-	-	-	-	94	299	V
1	1.92	43.95	PK3	31.9	-31.7	44.15	-	-	-	-	68.2	-24.05	152	160	H
	1.92	36.22	ADR	31.9	-31.7	36.42	-	-	-	-	-	-	152	160	H
2	1.92	44.5	PK3	31.9	-31.7	44.7	-	-	-	-	68.2	-23.5	139	149	V
	1.92	35.79	ADR	31.9	-31.7	35.99	-	-	-	-	-	-	139	149	V
6	17.098	42.15	PK3	41.6	-18.9	64.85	-	-	-	-	68.2	-3.35	338	239	V
	17.099	29.29	ADR	41.6	-18.9	51.99	-	-	-	-	-	-	338	239	V
5	17.102	29.14	ADR	41.6	-19	51.74	-	-	-	-	-	-	183	194	H
	17.103	41.93	PK3	41.6	-19	64.53	-	-	-	-	68.2	-3.67	183	194	H

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

PK3 - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

CHANNEL 144 HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (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
4	* 3.814	45.31	PK3	33.4	-32.3	46.41	-	-	74	-27.59	-	-	343	150	H
	* 3.813	38.3	ADR	33.4	-32.3	39.4	54	-14.6	-	-	-	-	343	150	H
3	* 3.813	45.67	PK3	33.4	-32.3	46.77	-	-	74	-27.23	-	-	169	340	V
	* 3.813	38.26	ADR	33.4	-32.3	39.36	54	-14.64	-	-	-	-	169	340	V
1	1.92	44.47	PK3	30.9	-34.5	40.87	-	-	-	-	68.2	-27.33	111	162	H
2	1.92	45.62	PK3	30.9	-34.6	41.92	-	-	-	-	68.2	-26.28	140	127	V
5	17.165	44.64	PK3	41.4	-23.3	62.74	-	-	-	-	68.2	-5.46	46	107	H
6	17.165	44.49	PK3	41.4	-23.3	62.59	-	-	-	-	68.2	-5.61	218	104	V

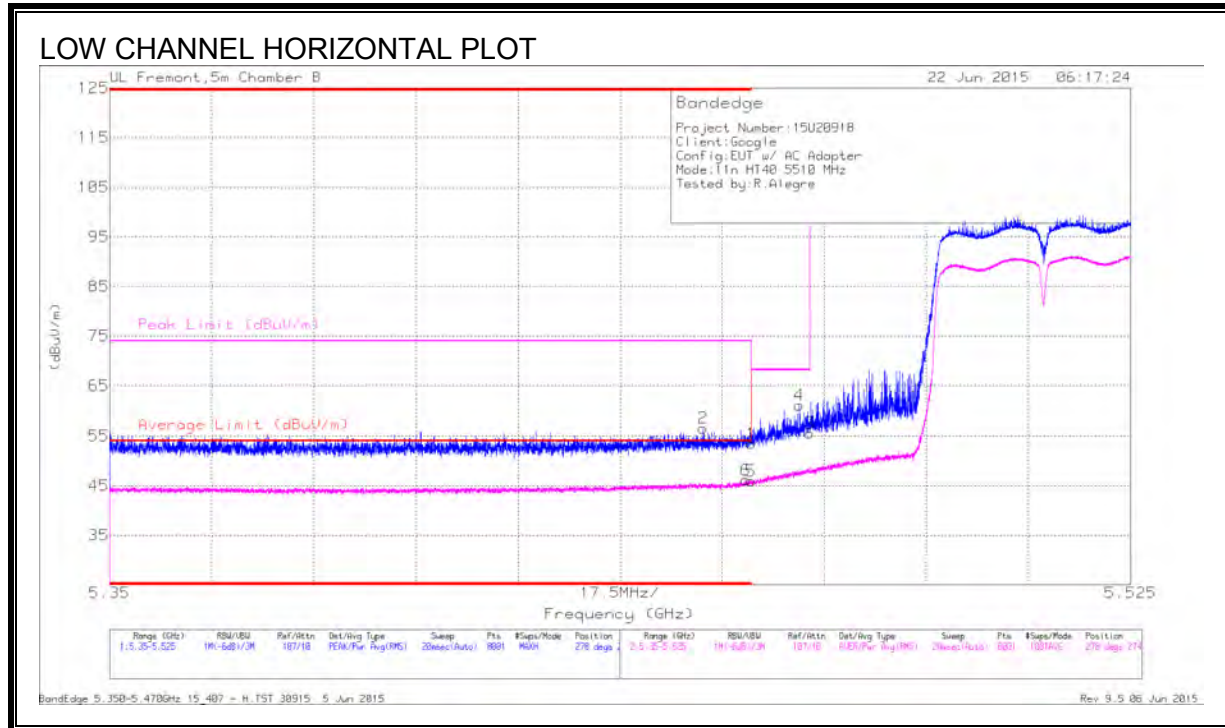
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK3 - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

9.12. 802.11n HT40 MODE IN THE 5.6 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



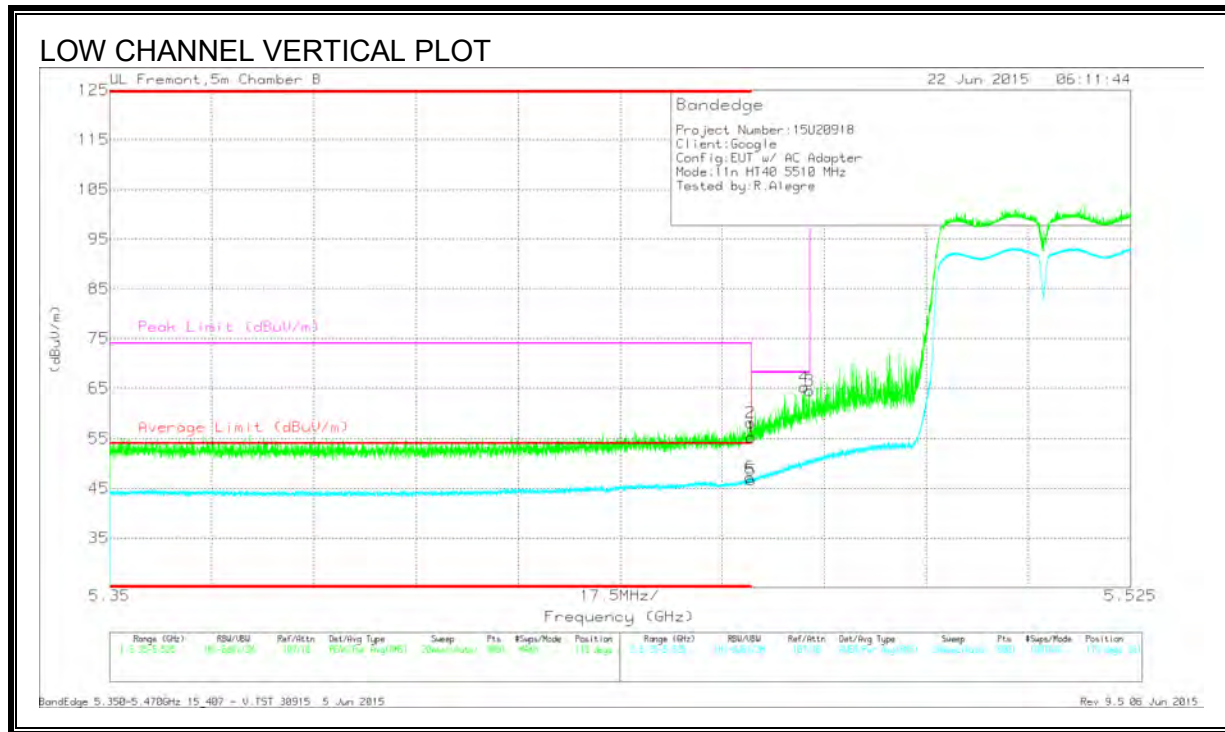
DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT345 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.452	41.52	Pk	34.5	-19.4	56.62	-	-	74	-17.38	278	274	H
6	* 5.459	30.96	RMS	34.5	-19.3	46.16	54	-7.84	-	-	278	274	H
1	* 5.46	38.29	Pk	34.5	-19.3	53.49	-	-	74	-20.51	278	274	H
5	* 5.46	30.75	RMS	34.5	-19.3	45.95	54	-8.05	-	-	278	274	H
4	5.468	45.98	Pk	34.5	-19.3	61.18	-	-	68.2	-7.02	278	274	H
3	5.47	40.41	Pk	34.5	-19.3	55.61	-	-	68.2	-12.59	278	274	H

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

Pk - Peak detector

RMS - RMS detection



DATA

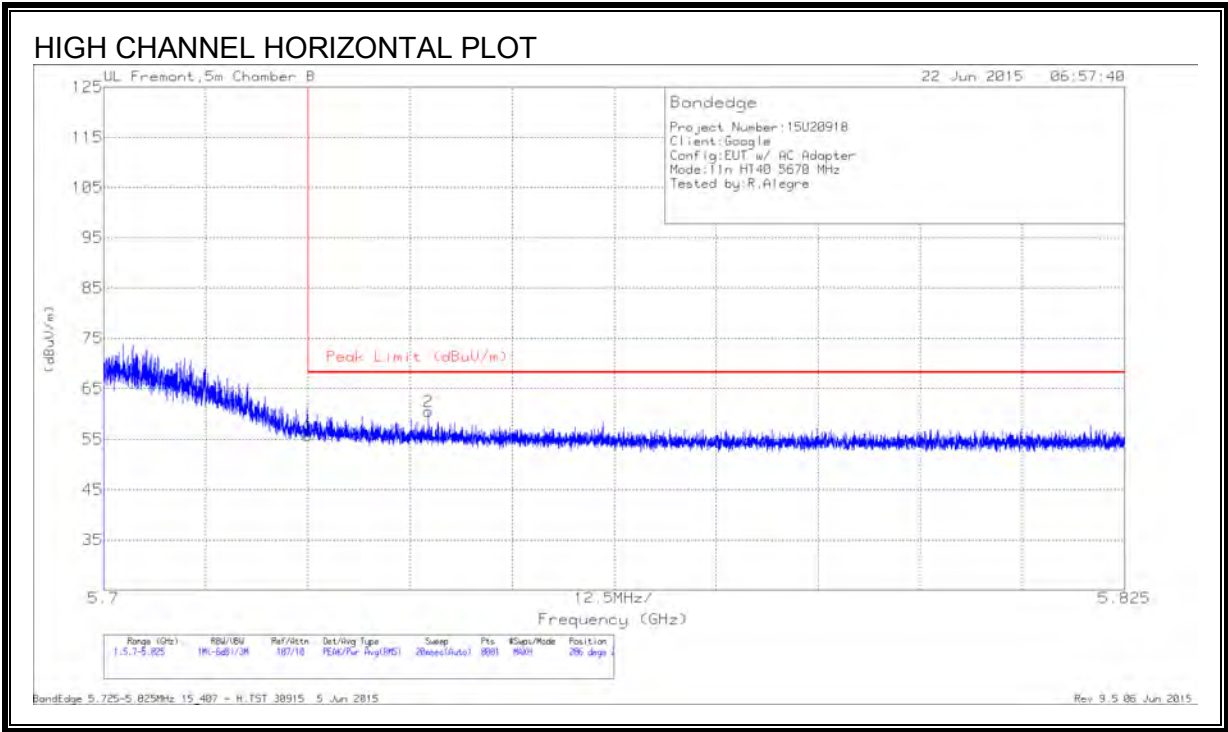
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT345 (dB/m)	Amp/Cb/ Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	40.1	Pk	34.5	-19.3	55.3	-	-	74	-18.7	119	361	V
2	* 5.46	43.02	Pk	34.5	-19.3	58.22	-	-	74	-15.78	119	361	V
5	* 5.46	31.46	RMS	34.5	-19.3	46.66	54	-7.34	-	-	119	361	V
6	* 5.46	31.97	RMS	34.5	-19.3	47.17	54	-6.83	-	-	119	361	V
4	5.469	50.03	Pk	34.5	-19.3	65.23	-	-	68.2	-2.97	119	361	V
3	5.47	49.35	Pk	34.5	-19.3	64.55	-	-	68.2	-3.65	119	361	V

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

Pk - Peak detector

RMS - RMS detection

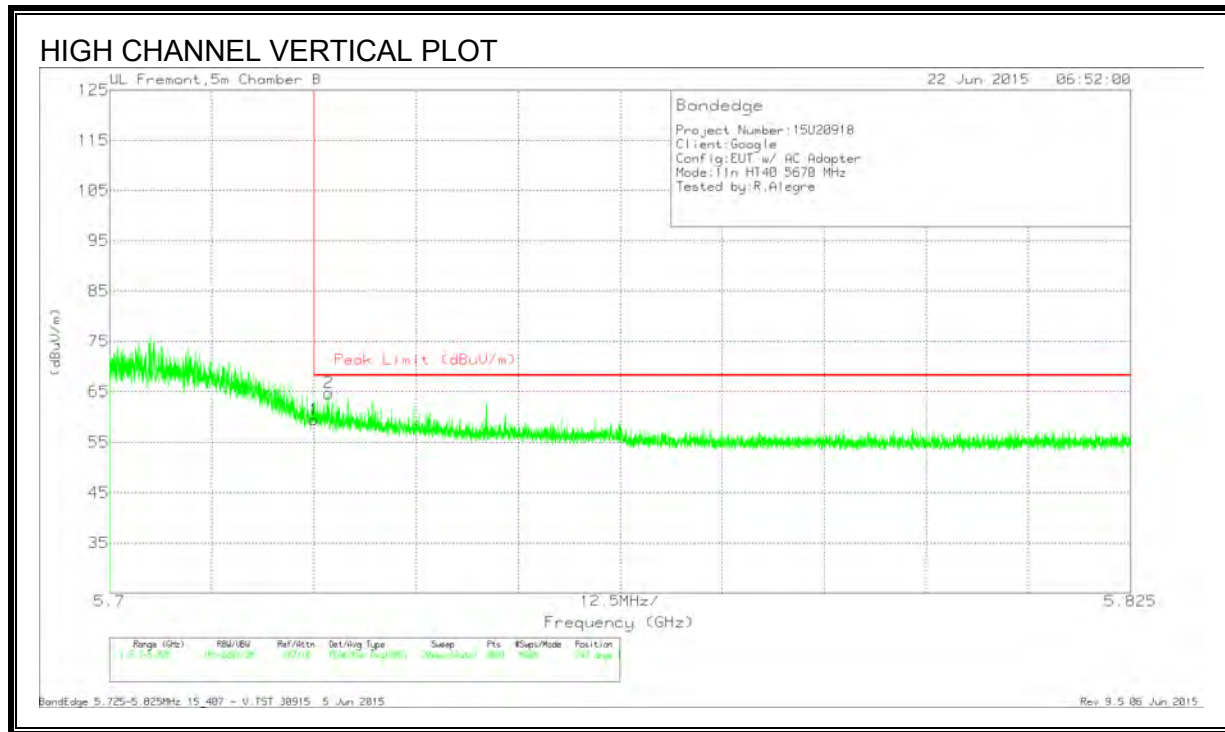
RESTRICTED BANDEDGE (HIGH CHANNEL)



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Filt r/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	39.83	Pk	35	-19.1	55.73	68.2	-12.47	286	264	H
2	5.74	44.44	Pk	35.1	-19	60.54	68.2	-7.66	286	264	H

Pk - Peak detector

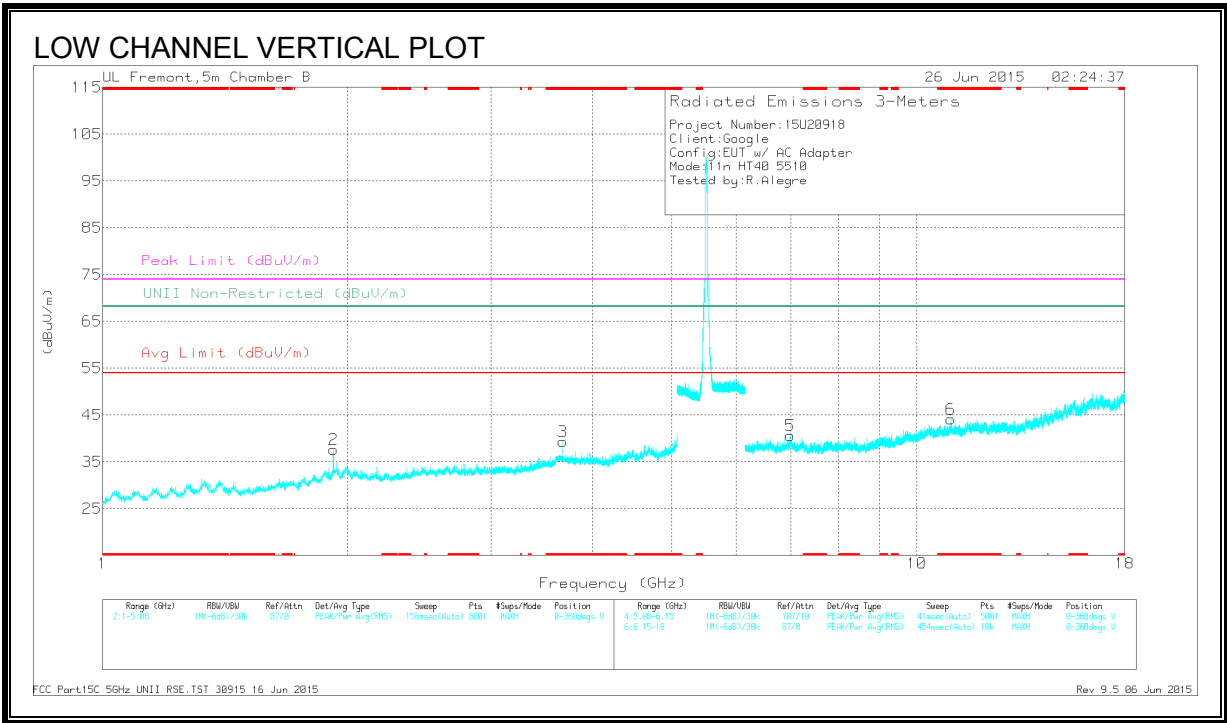
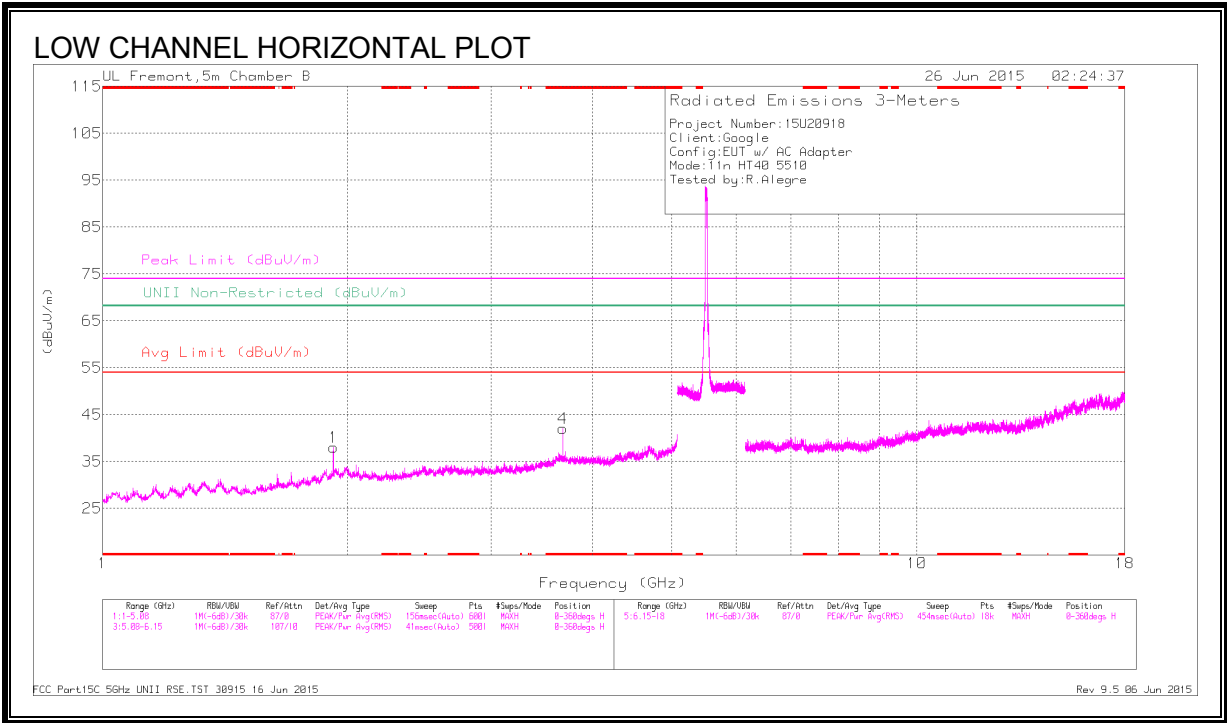


DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	43.62	Pk	35	-19.1	59.52	68.2	-8.68	247	193	V
2	5.727	48.84	Pk	35	-19.1	64.74	68.2	-3.46	247	193	V

Pk - Peak detector

LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

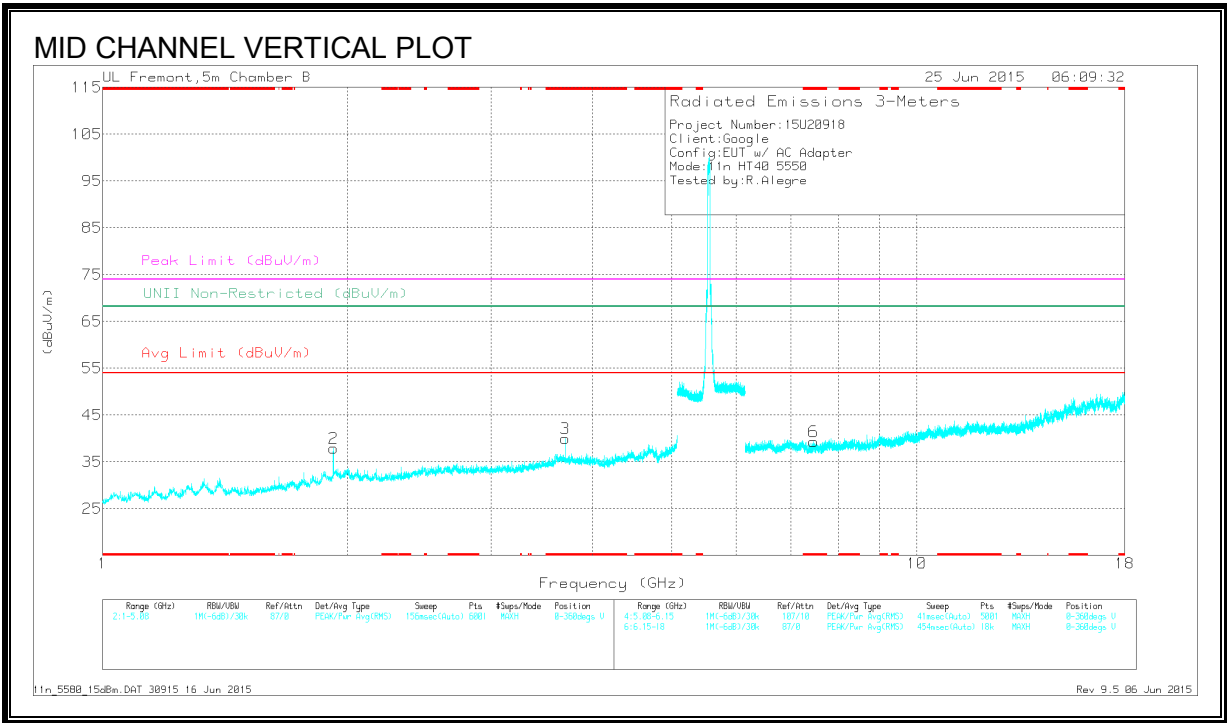
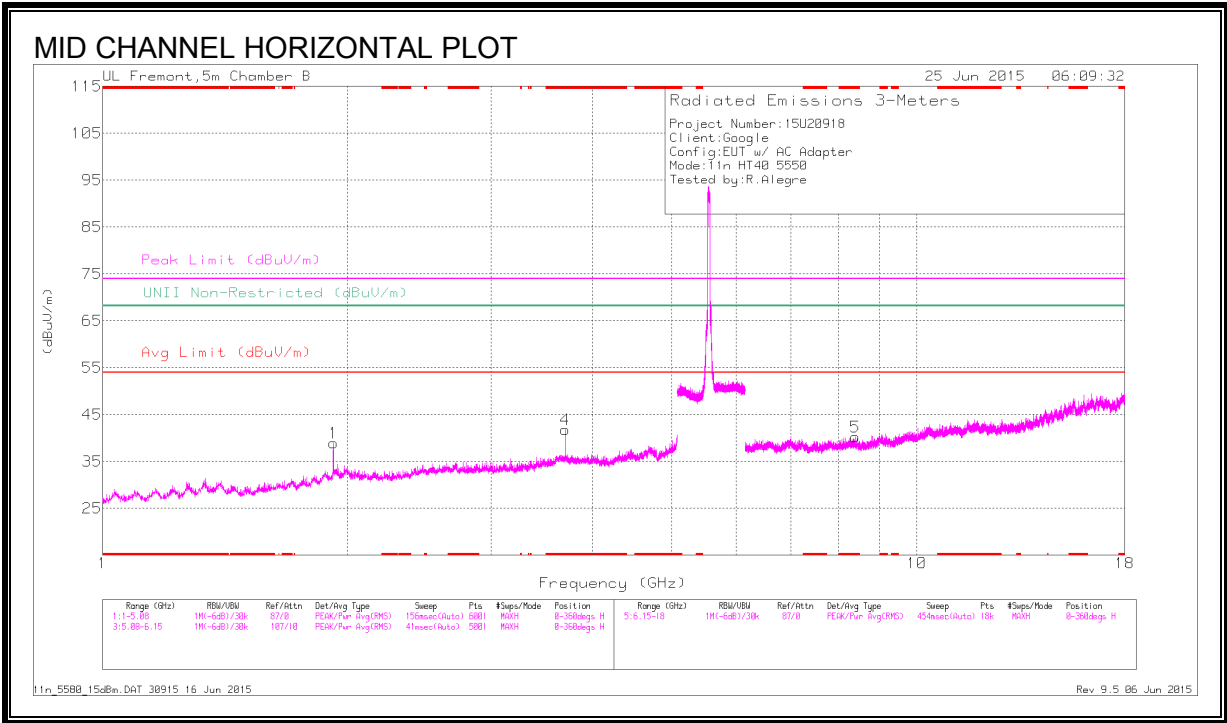
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 3.673	43.34	PK3	33.7	-30.2	46.84	-	-	74	-27.16	-	-	213	195	H
	* 3.673	36.41	ADR	33.7	-30.2	39.91	54	-14.09	-	-	-	-	213	195	H
3	* 3.673	43.26	PK3	33.7	-30.2	46.76	-	-	74	-27.24	-	-	91	272	V
	* 3.673	35.65	ADR	33.7	-30.2	39.15	54	-14.85	-	-	-	-	91	272	V
6	* 10.999	35.39	PK3	37.7	-22.1	50.99	-	-	74	-23.01	-	-	51	147	V
	* 11	23.83	ADR	37.7	-22.2	39.33	54	-14.67	-	-	-	-	51	147	V
1	1.92	43.98	PK3	31.9	-31.7	44.18	-	-	-	-	68.2	-24.02	147	214	H
	1.92	36.61	ADR	31.9	-31.7	36.81	-	-	-	-	-	-	147	214	H
2	1.92	45.44	PK3	31.9	-31.7	45.64	-	-	-	-	68.2	-22.56	60	266	V
	1.92	39.13	ADR	31.9	-31.7	39.33	-	-	-	-	-	-	60	266	V
5	6.99	38.04	PK3	36	-26.2	47.84	-	-	-	-	68.2	-20.36	91	200	V
	6.991	26.89	ADR	36	-26.2	36.69	-	-	-	-	-	-	91	200	V

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

PK3 - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

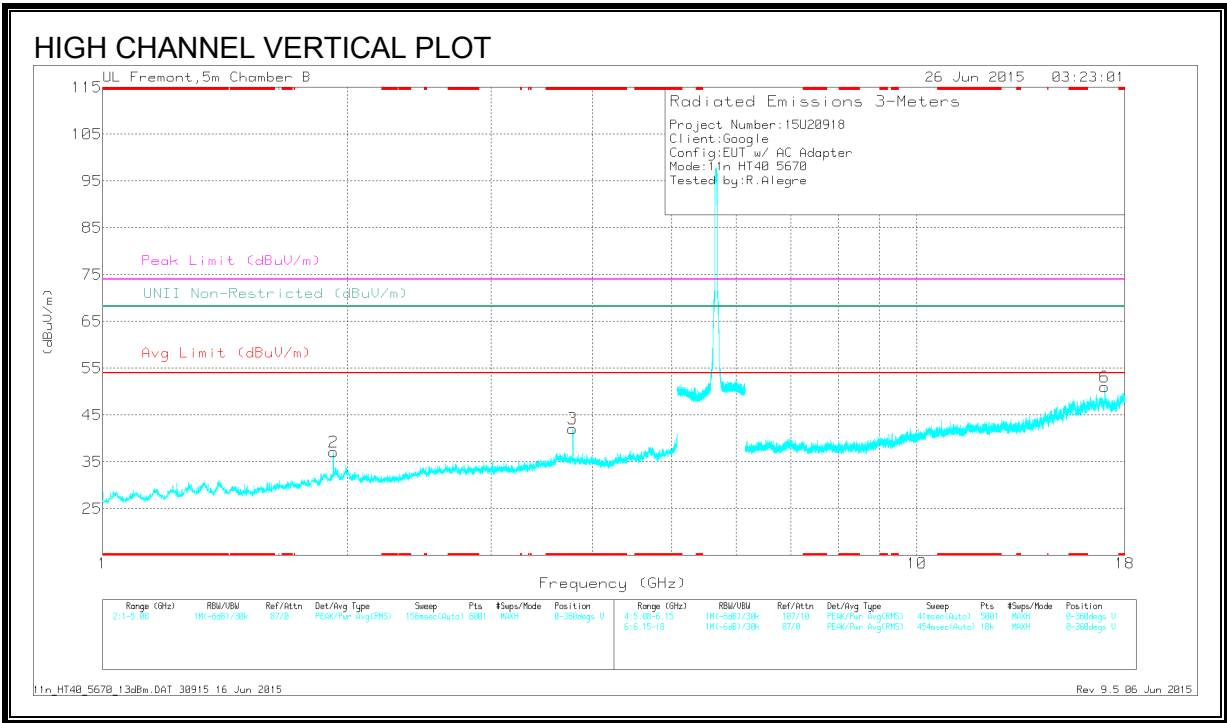
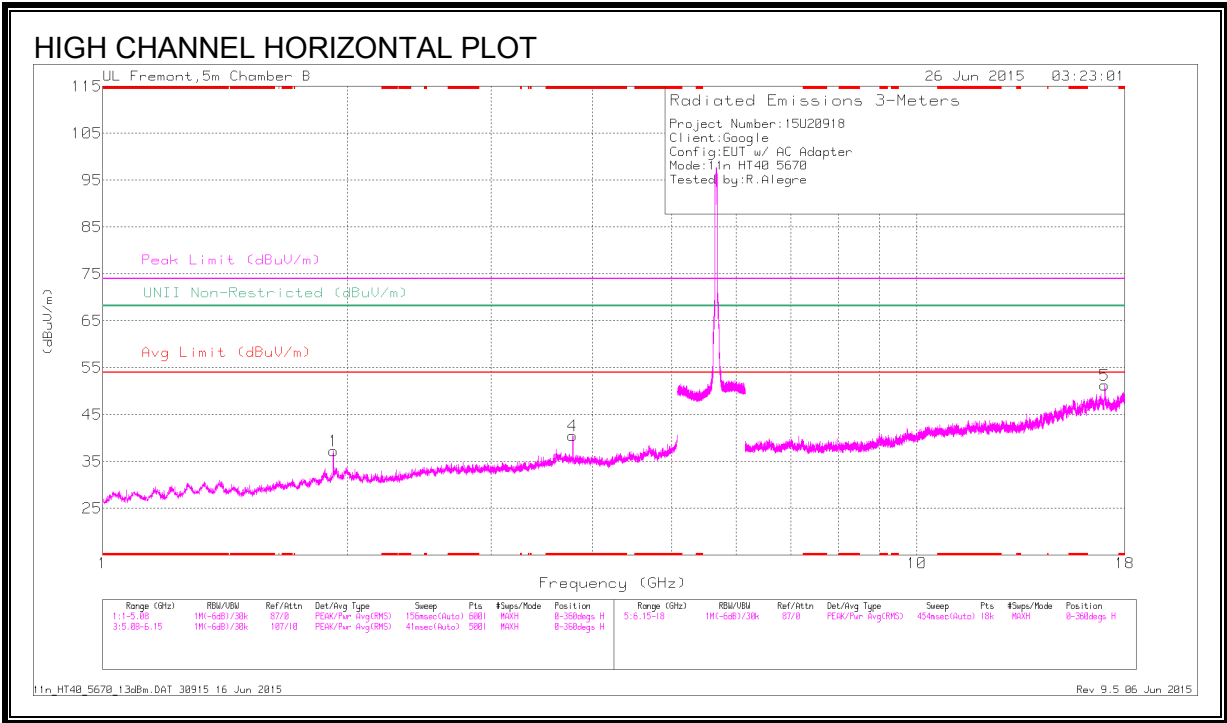
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 3.7	45.39	PK3	33.6	-30.4	48.59	-	-	74	-25.41	-	-	22	248	H
	* 3.7	39.47	ADR	33.6	-30.4	42.67	54	-11.33	-	-	-	-	22	248	H
3	* 3.7	44.56	PK3	33.6	-30.4	47.76	-	-	74	-26.24	-	-	147	212	V
	* 3.7	37.77	ADR	33.6	-30.4	40.97	54	-13.03	-	-	-	-	147	212	V
5	* 8.406	36.83	PK3	35.7	-25.3	47.23	-	-	74	-26.77	-	-	147	201	H
	* 8.407	25.65	ADR	35.7	-25.3	36.05	54	-17.95	-	-	-	-	147	201	H
6	* 7.466	37.47	PK3	35.3	-25.8	46.97	-	-	74	-27.03	-	-	147	200	V
	* 7.468	26.15	ADR	35.3	-25.8	35.65	54	-18.35	-	-	-	-	147	200	V
1	1.92	44.89	PK3	31.9	-31.7	45.09	-	-	-	-	68.2	-23.11	161	265	H
	1.92	37.61	ADR	31.9	-31.7	37.81	-	-	-	-	-	-	161	265	H
2	1.92	44.91	PK3	31.9	-31.7	45.11	-	-	-	-	68.2	-23.09	138	150	V
	1.92	36.26	ADR	31.9	-31.7	36.46	-	-	-	-	-	-	138	150	V

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

PK3 - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

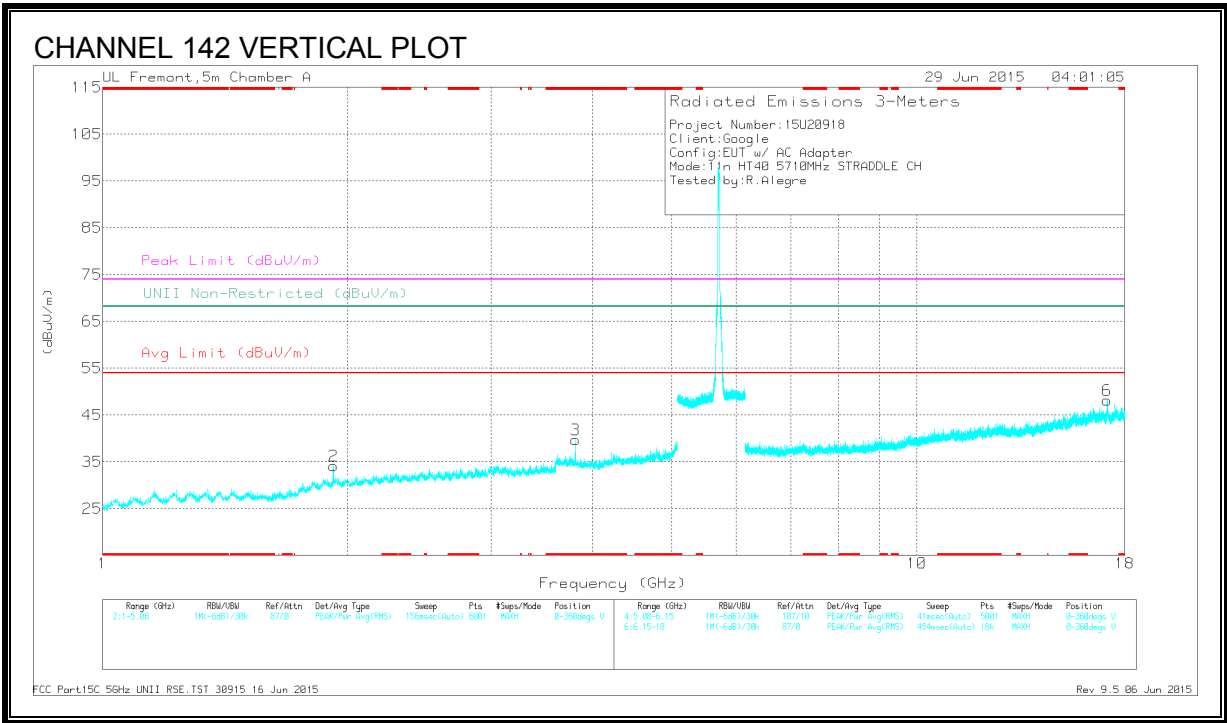
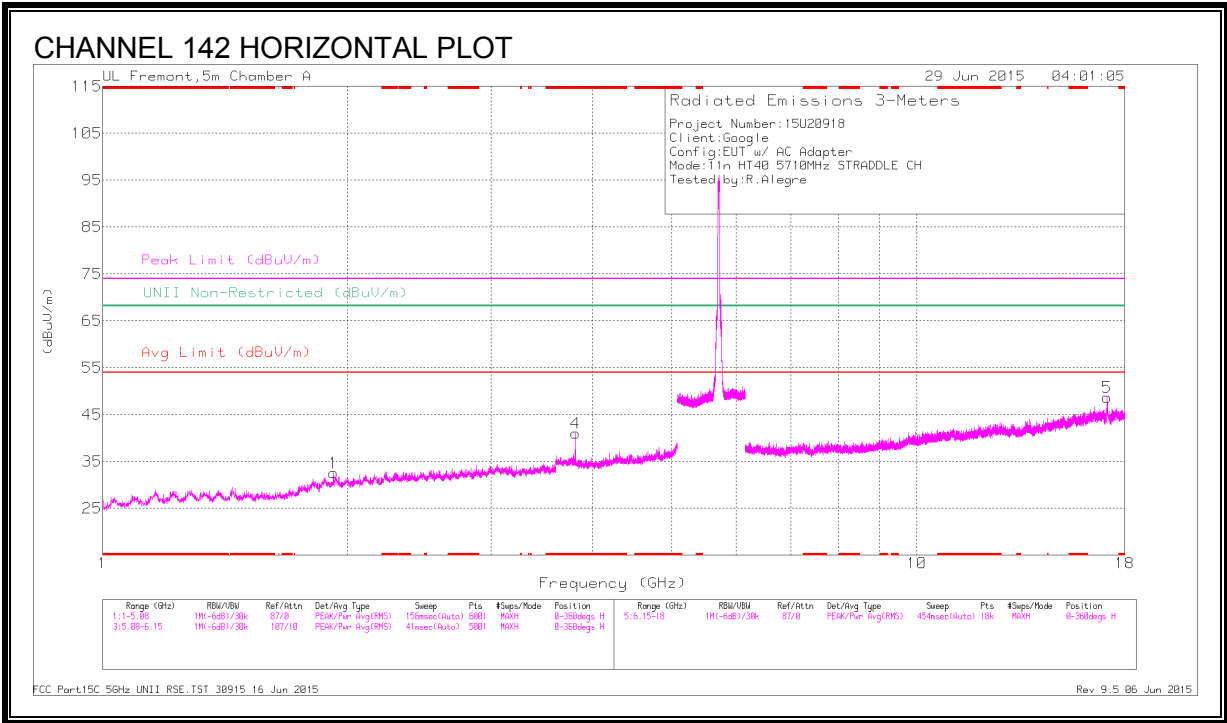
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Fi tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 3.78	45.17	PK3	33.4	-29.8	48.77	-	-	74	-25.23	-	-	13	277	H
	* 3.78	39.58	ADR	33.4	-29.8	43.18	54	-10.82	-	-	-	-	13	277	H
3	* 3.78	42.03	PK3	33.4	-29.8	45.63	-	-	74	-28.37	-	-	148	214	V
	* 3.78	32.6	ADR	33.4	-29.8	36.2	54	-17.8	-	-	-	-	148	214	V
1	1.92	44.17	PK3	31.9	-31.7	44.37	-	-	-	-	68.2	-23.83	147	197	H
	1.92	37.13	ADR	31.9	-31.7	37.33	-	-	-	-	-	-	147	197	H
2	1.92	44.43	PK3	31.9	-31.7	44.63	-	-	-	-	68.2	-23.57	171	206	V
	1.92	37.13	ADR	31.9	-31.7	37.33	-	-	-	-	-	-	171	206	V
5	17.008	36.63	PK3	41.6	-18.5	59.73	-	-	-	-	68.2	-8.47	349	107	H
	17.008	24.78	ADR	41.6	-18.5	47.88	-	-	-	-	-	-	349	107	H
6	17.017	33.23	PK3	41.6	-18.4	56.43	-	-	-	-	68.2	-11.77	260	199	V
	17.017	21.85	ADR	41.6	-18.4	45.05	-	-	-	-	-	-	260	199	V

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

PK3 - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

CHANNEL 142 HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (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
4	* 3.807	45.88	PK3	33.4	-32.3	46.98	-	-	74	-27.02	-	-	10	205	H
	* 3.807	38.22	ADR	33.4	-32.3	39.32	54	-14.68	-	-	-	-	10	205	H
3	* 3.807	44.8	PK3	33.4	-32.3	45.9	-	-	74	-28.1	-	-	39	299	V
	* 3.807	37.41	ADR	33.4	-32.3	38.51	54	-15.49	-	-	-	-	39	299	V
1	1.92	44.46	PK3	30.9	-34.5	40.86	-	-	-	-	68.2	-27.34	111	163	H
2	1.92	45.71	PK3	30.9	-34.5	42.11	-	-	-	-	68.2	-26.09	140	124	V
5	17.125	39.85	PK3	41.5	-23.4	57.95	-	-	-	-	68.2	-10.25	45	100	H
6	17.13	36.51	PK3	41.5	-23.4	54.61	-	-	-	-	68.2	-13.59	253	231	V

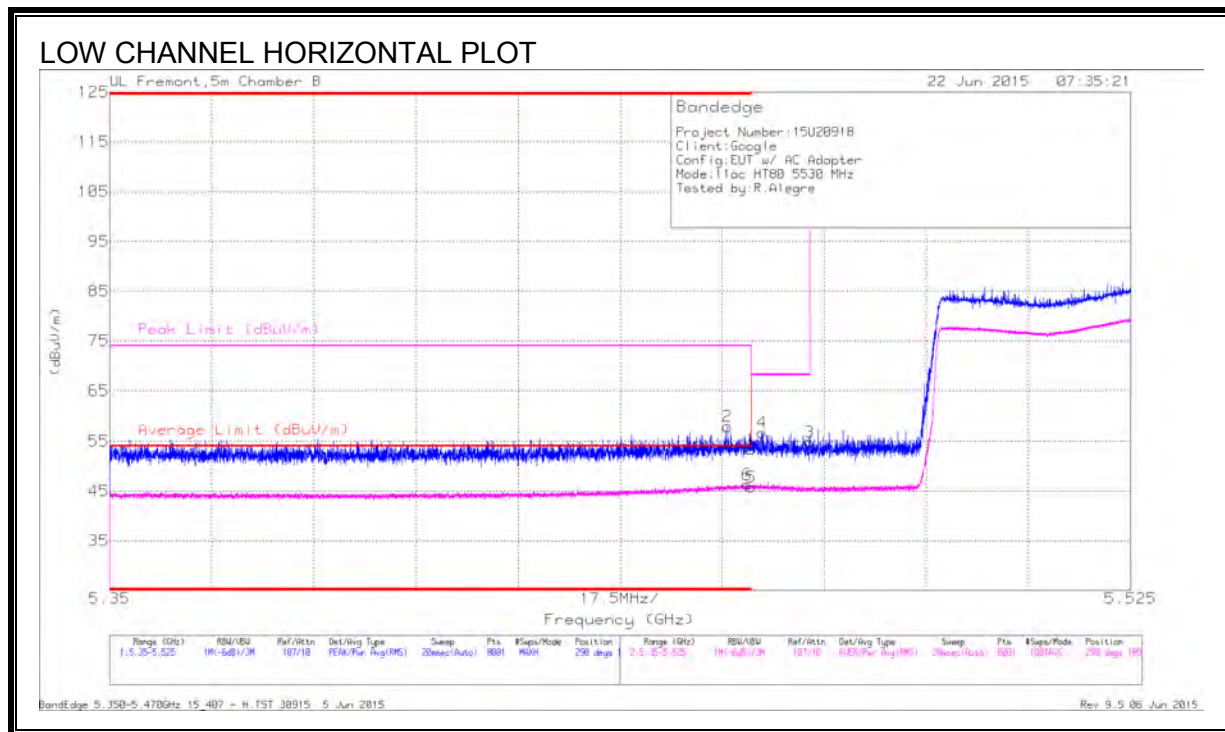
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK3 - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

9.13. 802.11ac VHT80 MODE IN THE 5.6 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



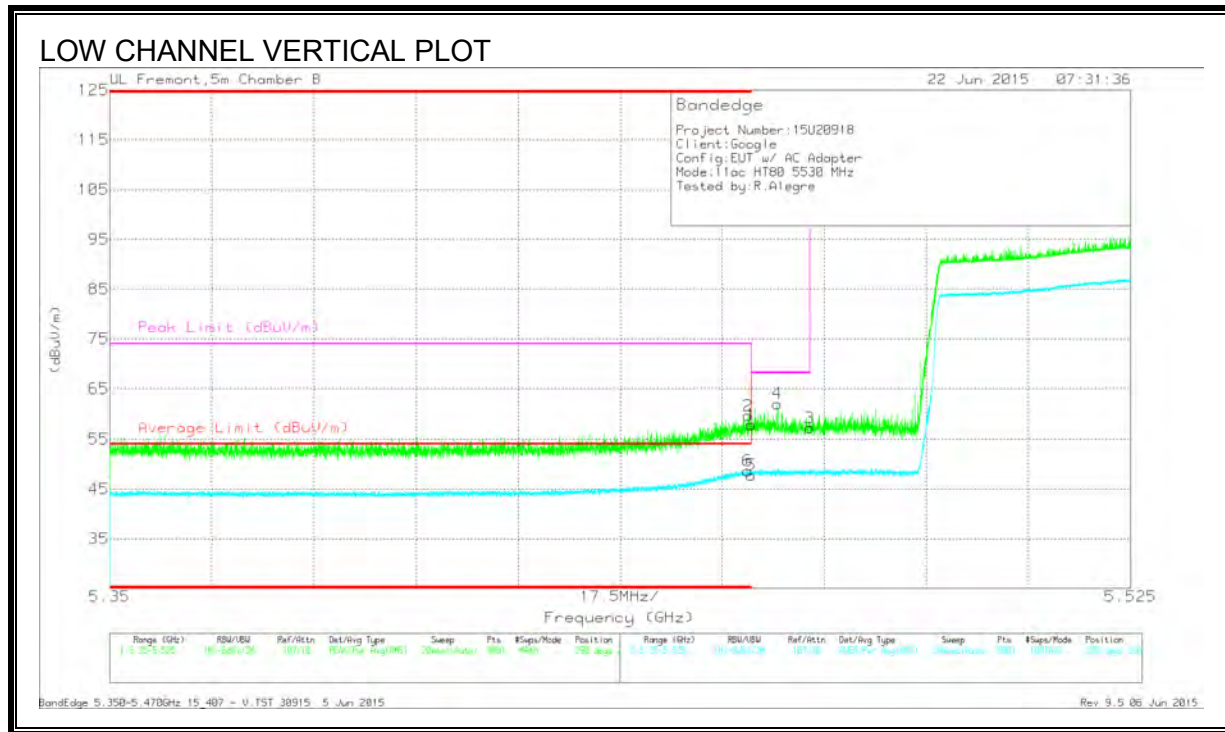
DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.456	42.77	Pk	34.5	-19.3	57.97	-	-	74	-16.03	290	189	H
6	* 5.459	31.12	RMS	34.5	-19.3	46.32	54	-7.68	-	-	290	189	H
1	* 5.46	38.17	Pk	34.5	-19.3	53.37	-	-	74	-20.63	290	189	H
5	* 5.46	30.58	RMS	34.5	-19.3	45.78	54	-8.22	-	-	290	189	H
4	5.462	41.52	Pk	34.5	-19.3	56.72	-	-	68.2	-11.48	290	189	H
3	5.47	39.62	Pk	34.5	-19.3	54.82	-	-	68.2	-13.38	290	189	H

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

Pk - Peak detector

RMS - RMS detection



DATA

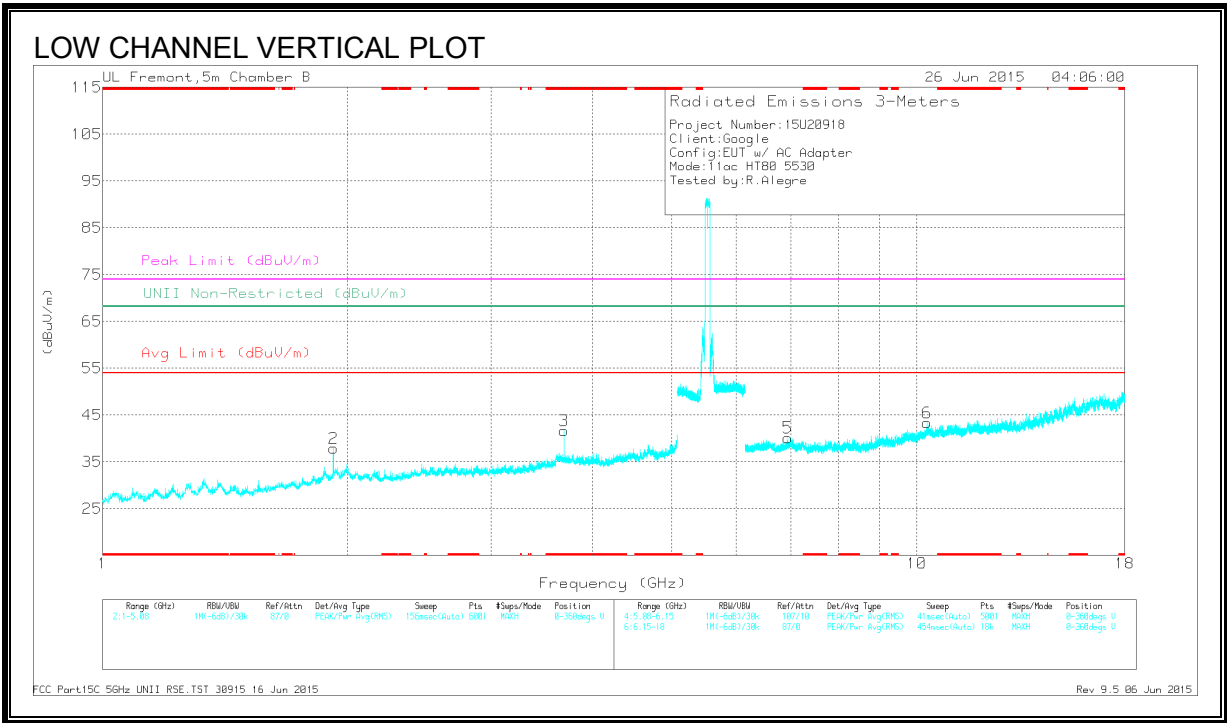
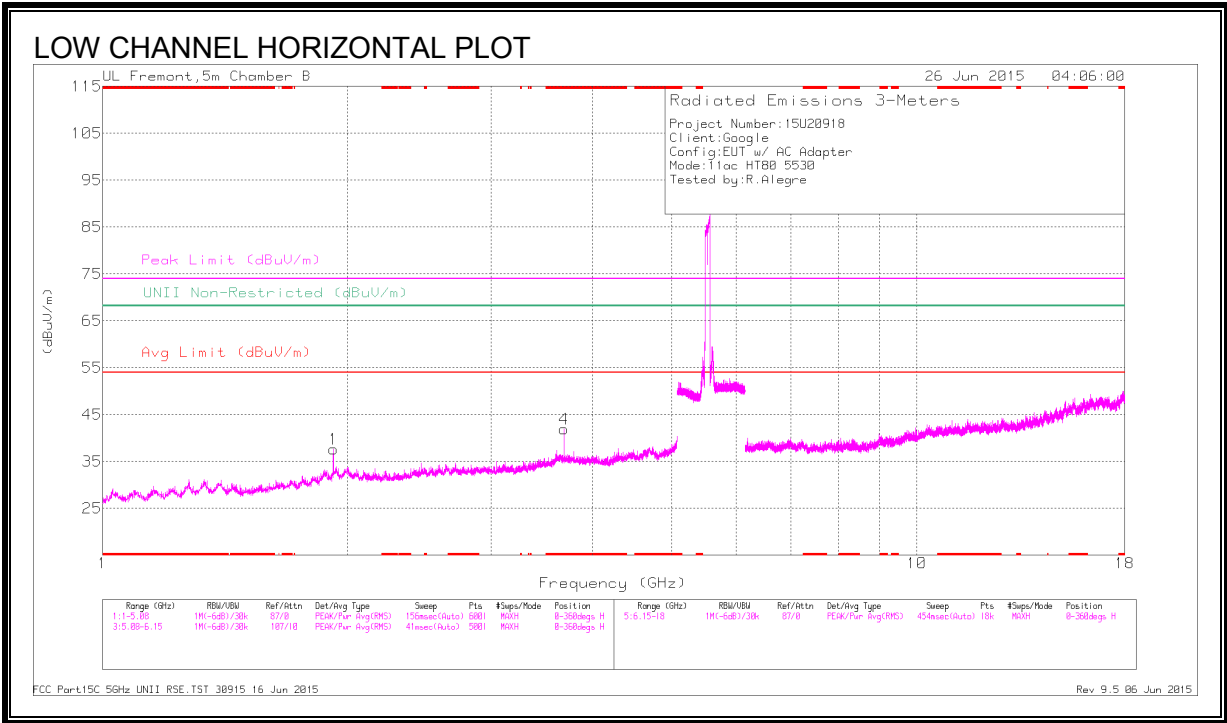
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT345 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.459	44.51	Pk	34.5	-19.3	59.71	-	-	74	-14.29	290	268	V
6	* 5.459	33.47	RMS	34.5	-19.3	48.67	54	-5.33	-	-	290	268	V
1	* 5.46	42.72	Pk	34.5	-19.3	57.92	-	-	74	-16.08	290	268	V
5	* 5.46	32.62	RMS	34.5	-19.3	47.82	54	-6.18	-	-	290	268	V
4	5.464	46.91	Pk	34.5	-19.3	62.11	-	-	68.2	-6.09	290	268	V
3	5.47	42.07	Pk	34.5	-19.3	57.27	-	-	68.2	-10.93	290	268	V

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

Pk - Peak detector

RMS - RMS detection

LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

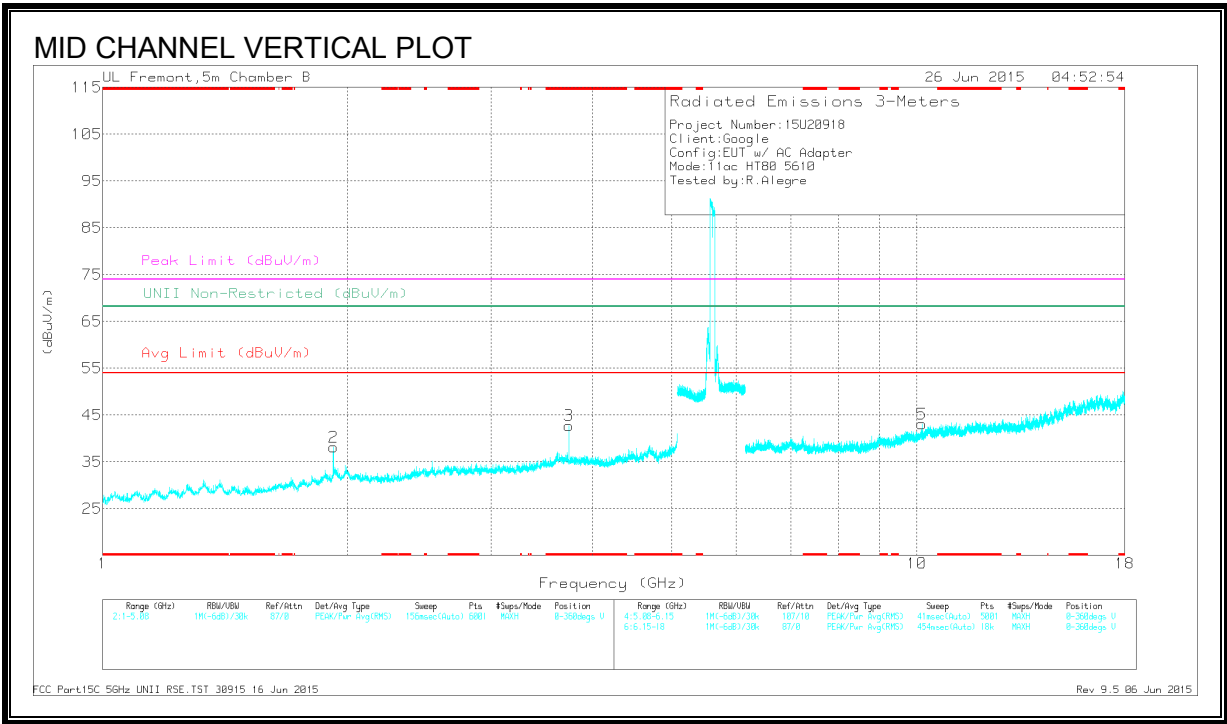
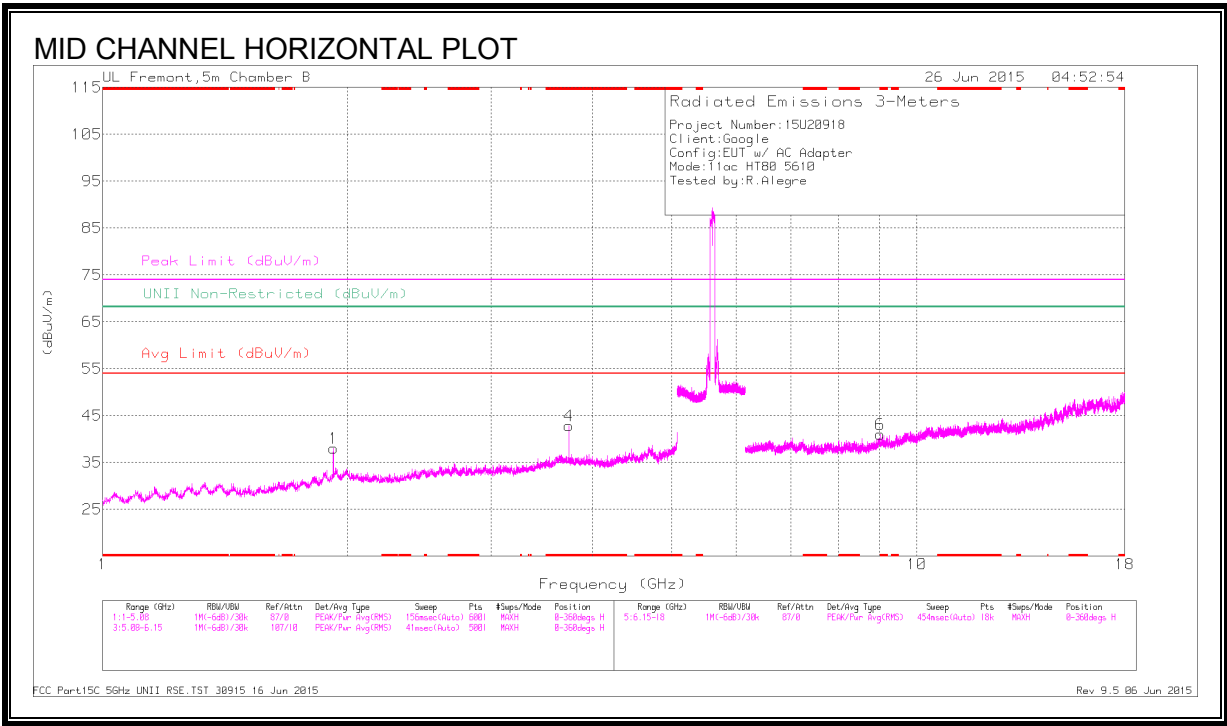
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Fitter/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 3.687	45.7	PK3	33.6	-30.3	49	-	-	74	-25	-	-	25	221	H
	* 3.687	40.5	ADR	33.6	-30.3	43.8	54	-10.2	-	-	-	-	25	221	H
3	* 3.687	44.19	PK3	33.6	-30.3	47.49	-	-	74	-26.51	-	-	92	182	V
	* 3.687	37.56	ADR	33.6	-30.3	40.86	54	-13.14	-	-	-	-	92	182	V
1	1.92	44.7	PK3	31.9	-31.7	44.9	-	-	-	-	68.2	-23.3	145	196	H
	1.92	36.66	ADR	31.9	-31.7	36.86	-	-	-	-	-	-	145	196	H
2	1.92	45.15	PK3	31.9	-31.7	45.35	-	-	-	-	68.2	-22.85	58	263	V
	1.92	38.74	ADR	31.9	-31.7	38.94	-	-	-	-	-	-	58	263	V
5	6.941	26.89	ADR	36.1	-26.5	36.49	-	-	-	-	-	-	92	199	V
	6.944	37.59	PK3	36.1	-26.6	47.09	-	-	-	-	68.2	-21.11	92	199	V
6	10.288	23.96	ADR	37.4	-22.4	38.96	-	-	-	-	-	-	92	199	V
	10.289	34.8	PK3	37.4	-22.4	49.8	-	-	-	-	68.2	-18.4	92	199	V

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

PK3 - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

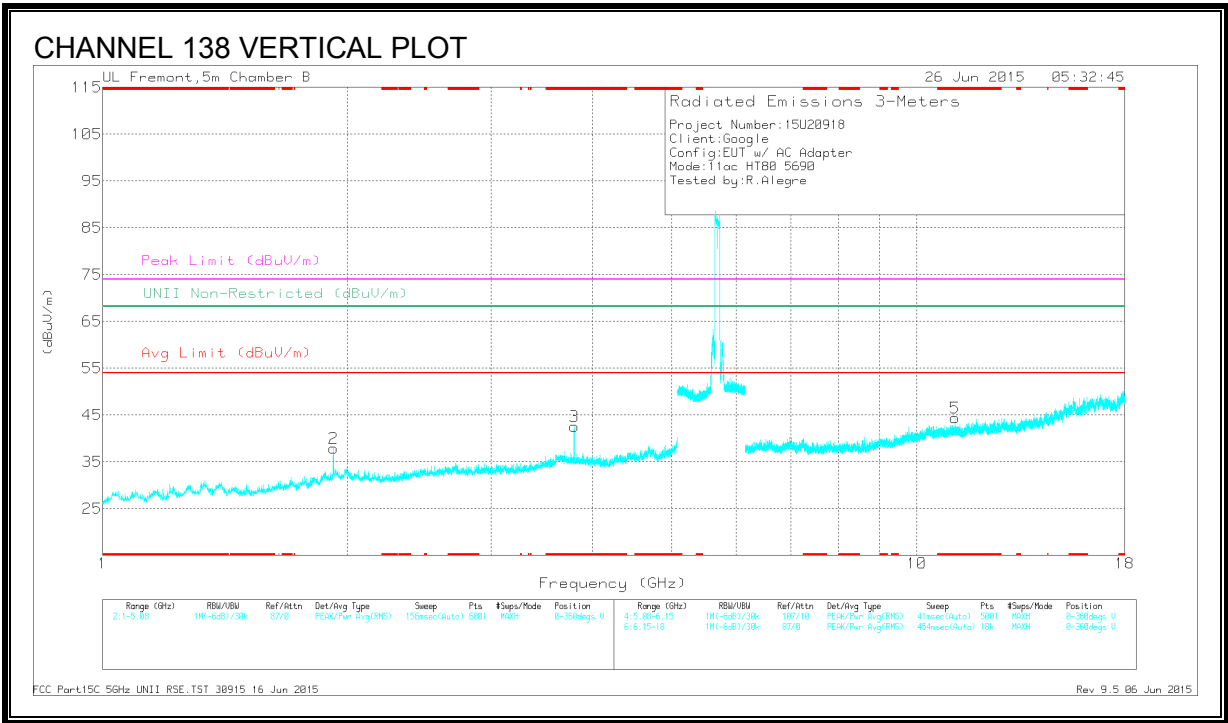
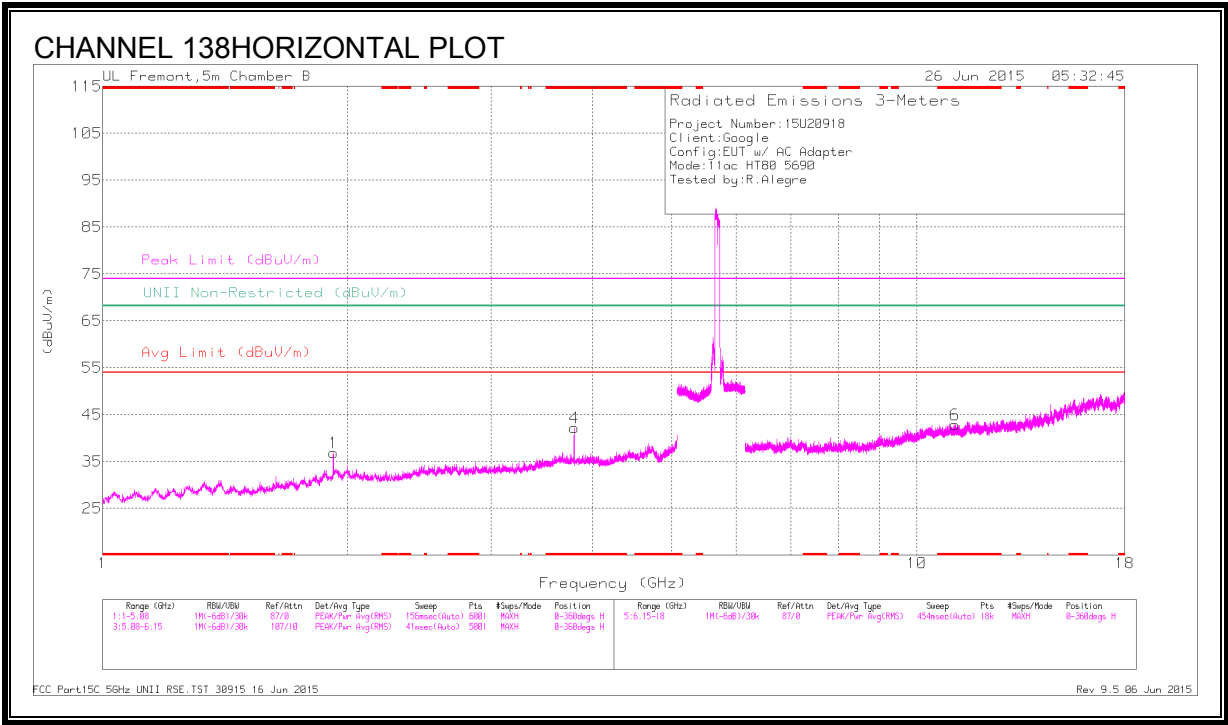
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 3.74	45.42	PK3	33.5	-30.2	48.72	-	-	74	-25.28	-	-	8	282	H
	* 3.74	40.25	ADR	33.5	-30.2	43.55	54	-10.45	-	-	-	-	8	282	H
3	* 3.74	44.73	PK3	33.5	-30.2	48.03	-	-	74	-25.97	-	-	62	301	V
	* 3.74	38.97	ADR	33.5	-30.2	42.27	54	-11.73	-	-	-	-	62	301	V
6	* 9.02	36.88	PK3	36.1	-24.3	48.68	-	-	74	-25.32	-	-	50	200	H
	* 9.018	25.18	ADR	36.1	-24.3	36.98	54	-17.02	-	-	-	-	50	200	H
1	1.92	44.1	PK3	31.9	-31.7	44.3	-	-	-	-	68.2	-23.9	144	199	H
	1.92	36.53	ADR	31.9	-31.7	36.73	-	-	-	-	-	-	144	199	H
2	1.92	45.59	PK3	31.9	-31.7	45.79	-	-	-	-	68.2	-22.41	59	269	V
	1.92	39.19	ADR	31.9	-31.7	39.39	-	-	-	-	-	-	59	269	V
5	10.14	23.97	ADR	37.3	-23.1	38.17	-	-	-	-	-	-	1	180	V
	10.141	34.78	PK3	37.3	-23.1	48.98	-	-	-	-	68.2	-19.22	1	180	V

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

PK3 - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

CHANNEL 138 HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (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	* 3.793	44.14	PK3	33.3	-29.9	47.54	-	-	74	-26.46	-	-	9	280	H
	* 3.793	37.85	ADR	33.3	-29.9	41.25	54	-12.75	-	-	-	-	9	280	H
3	* 3.793	44.4	PK3	33.3	-29.9	47.8	-	-	74	-26.2	-	-	63	300	V
	* 3.793	38.05	ADR	33.3	-29.9	41.45	54	-12.55	-	-	-	-	63	300	V
6	* 11.135	34.91	PK3	37.8	-22.2	50.51	-	-	74	-23.49	-	-	9	200	H
	* 11.136	23.84	ADR	37.8	-22.2	39.44	54	-14.56	-	-	-	-	9	200	H
5	* 11.138	35.67	PK3	37.8	-22.2	51.27	-	-	74	-22.73	-	-	9	200	V
	* 11.14	23.64	ADR	37.8	-22.1	39.34	54	-14.66	-	-	-	-	9	200	V
1	1.92	44.31	PK3	31.9	-31.7	44.51	-	-	-	-	68.2	-23.69	146	199	H
	1.92	37.1	ADR	31.9	-31.7	37.3	-	-	-	-	-	-	146	199	H
2	1.92	45.74	PK3	31.9	-31.7	45.94	-	-	-	-	68.2	-22.26	60	270	V
	1.92	39.51	ADR	31.9	-31.7	39.71	-	-	-	-	-	-	60	270	V

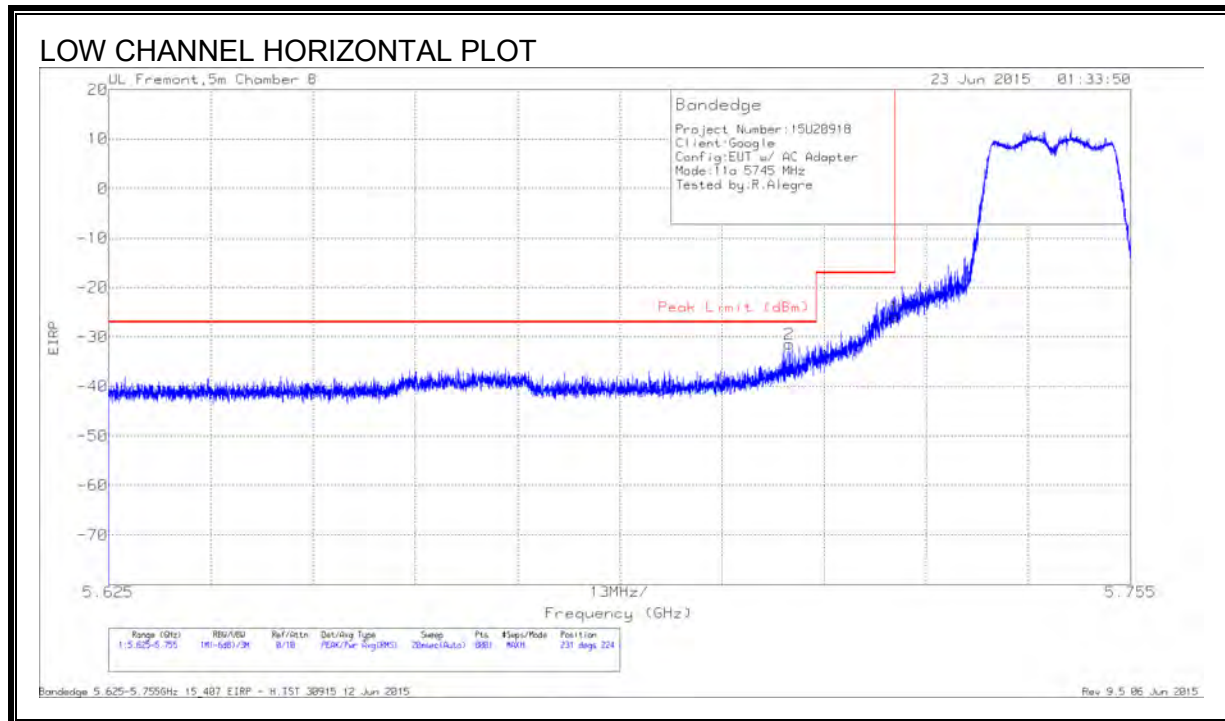
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK3 - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

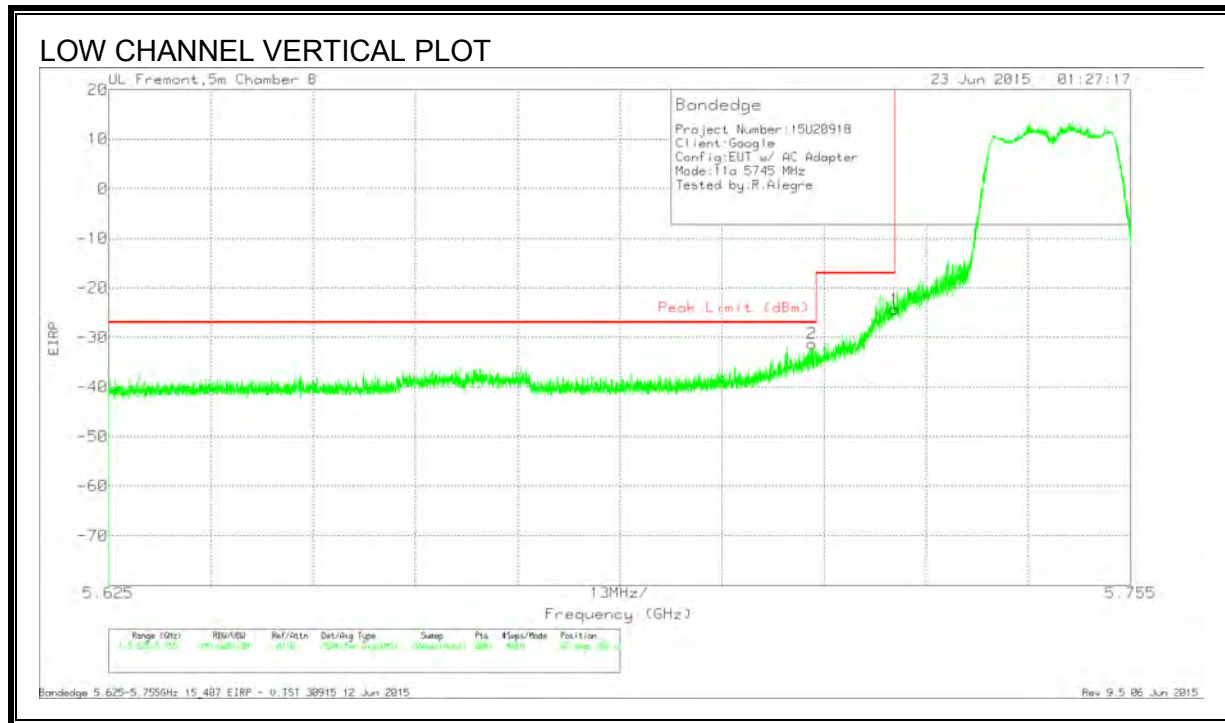
9.14. 802.11a MODE IN THE 5.8 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



DATA

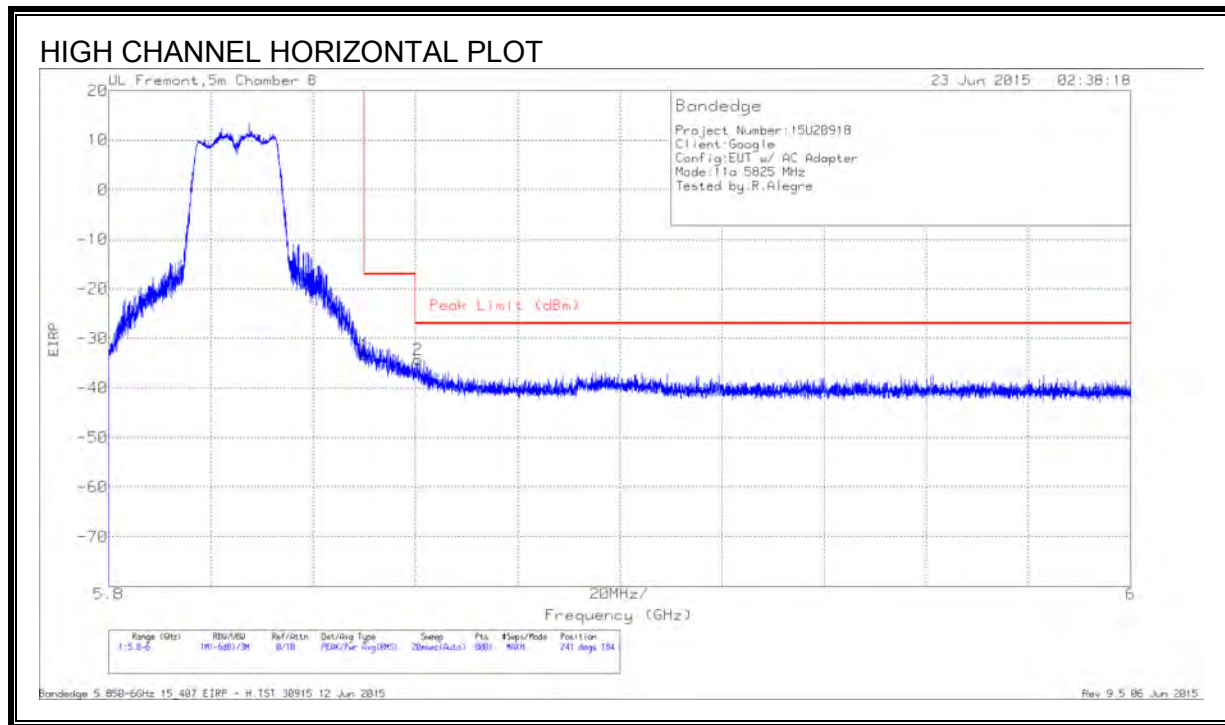
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2	5.712	-59.14	Pk	35	-19.1	11.8	-31.44	-27	-4.44	231	224	H
1	5.725	-53.64	Pk	35	-19.1	11.8	-25.94	-17	-8.94	231	224	H



DATA

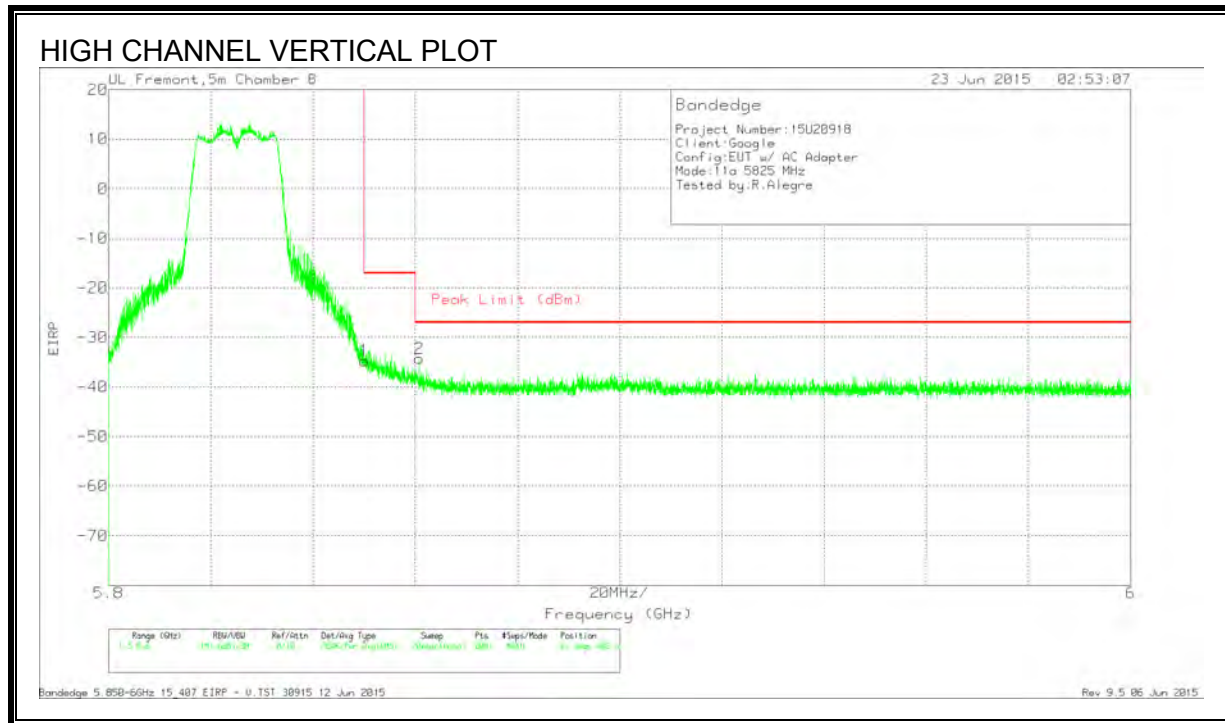
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2	5.714	-58.94	Pk	35	-19.1	11.8	-31.24	-27	-4.24	87	201	V
1	5.725	-51.96	Pk	35	-19.1	11.8	-24.26	-17	-7.26	87	201	V

RESTRICTED BANDEDGE (HIGH CHANNEL)



DATA

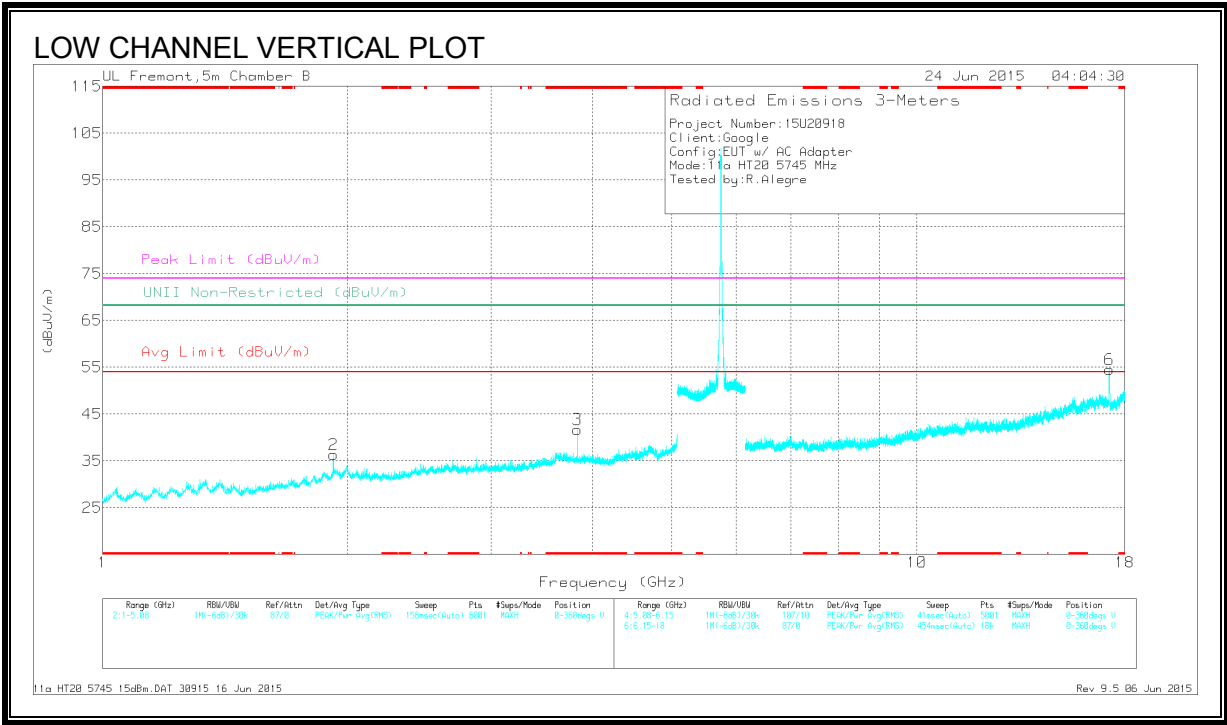
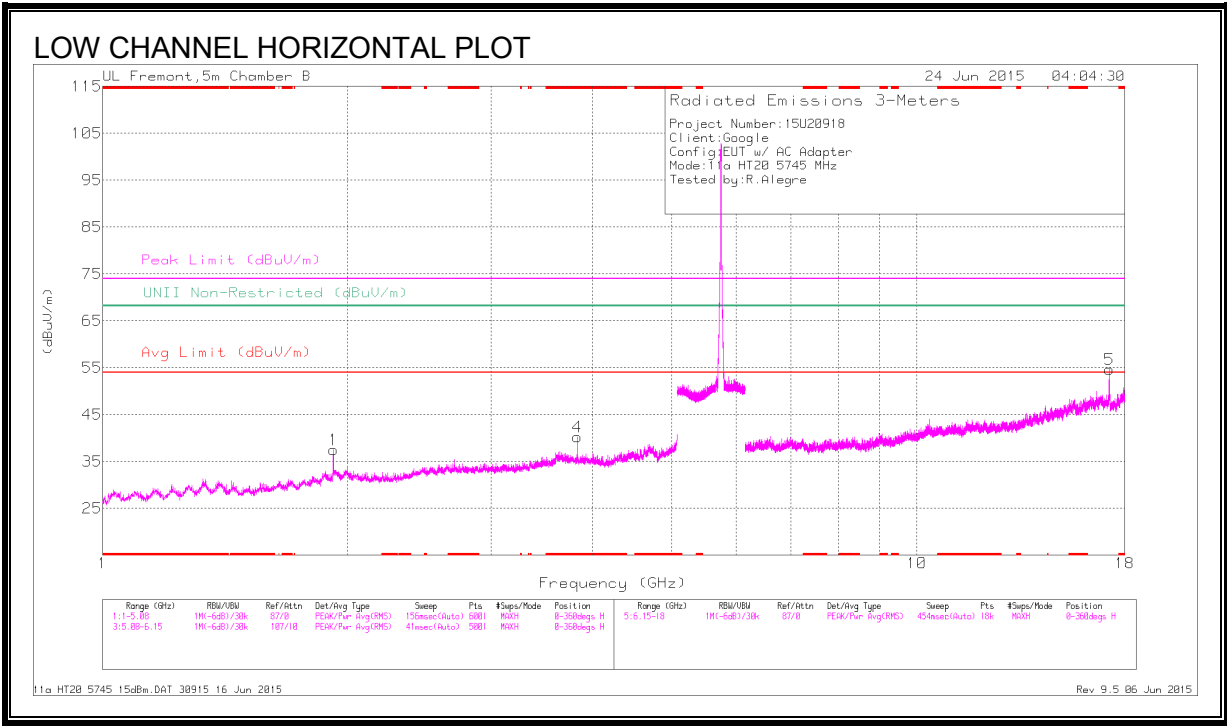
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-61.58	Pk	35.4	-18.9	11.8	-33.28	-17	-16.28	241	184	H
2	5.861	-62.65	Pk	35.4	-18.8	11.8	-34.25	-27	-7.25	241	184	H



DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-62.98	Pk	35.4	-18.9	11.8	-34.68	-17	-17.68	81	402	V
2	5.861	-62.67	Pk	35.4	-18.8	11.8	-34.27	-27	-7.27	81	402	V

LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

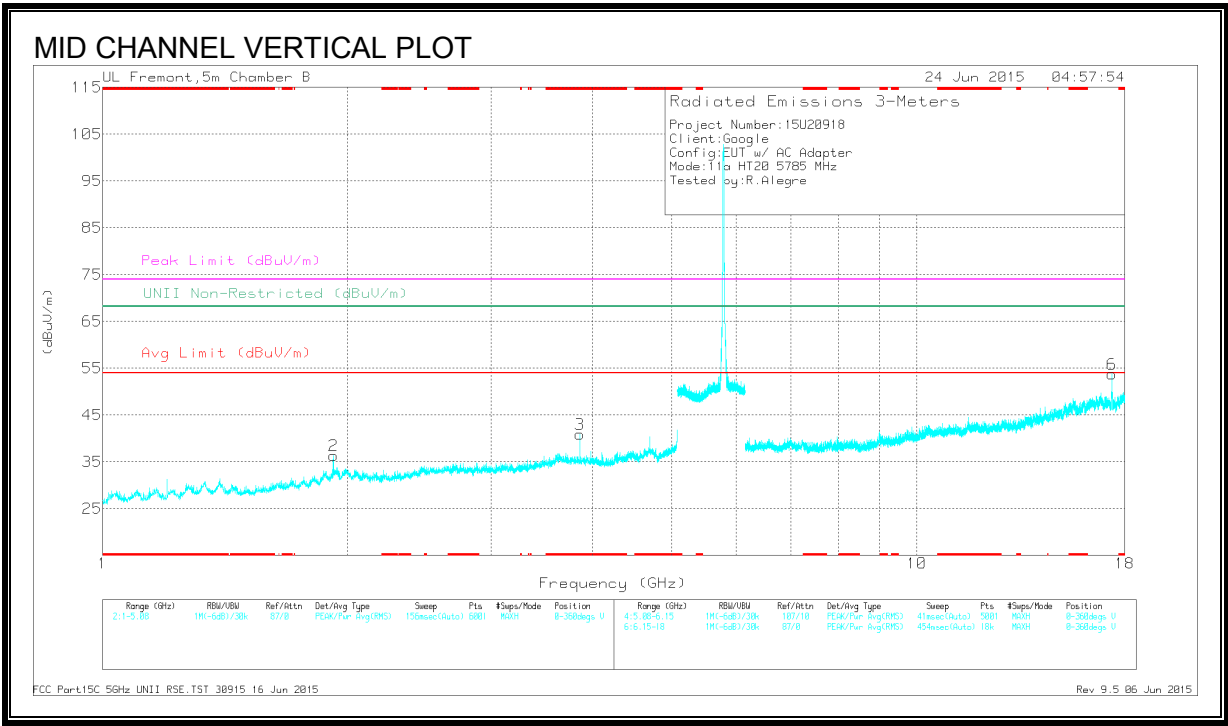
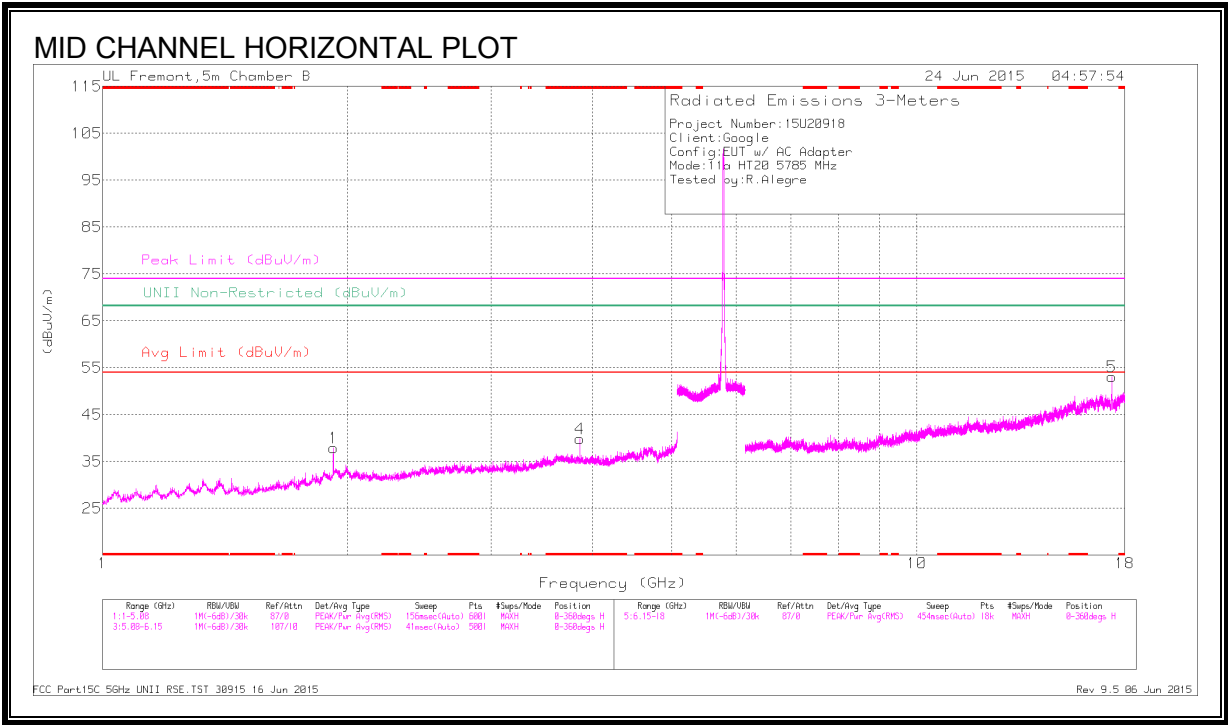
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/F Itr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 3.83	44.96	PK3	33.4	-30.1	48.26	-	-	74	-25.74	-	-	291	212	H
	* 3.83	37.58	ADR	33.4	-30.1	40.88	54	-13.12	-	-	-	-	291	212	H
3	* 3.83	45.51	PK3	33.4	-30.1	48.81	-	-	74	-25.19	-	-	174	257	V
	* 3.83	39.31	ADR	33.4	-30.1	42.61	54	-11.39	-	-	-	-	174	257	V
1	1.92	44.25	PK3	31.9	-31.7	44.45	-	-	-	-	68.2	-23.75	159	165	H
2	1.92	45.09	PK3	31.9	-31.7	45.29	-	-	-	-	68.2	-22.91	79	279	V
5	17.237	40.53	PK3	41.1	-18.2	63.43	-	-	-	-	68.2	-4.77	112	109	H
6	17.239	41.81	PK3	41.1	-18.2	64.71	-	-	-	-	68.2	-3.49	58	214	V

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

PK3 - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

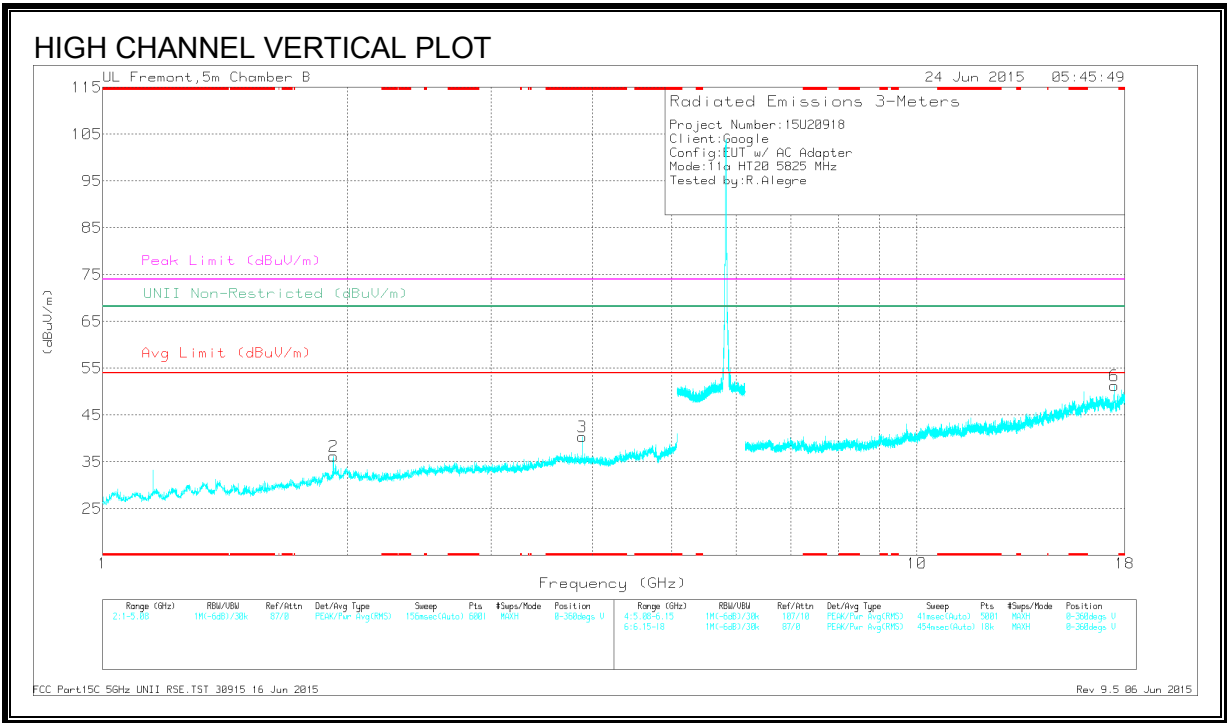
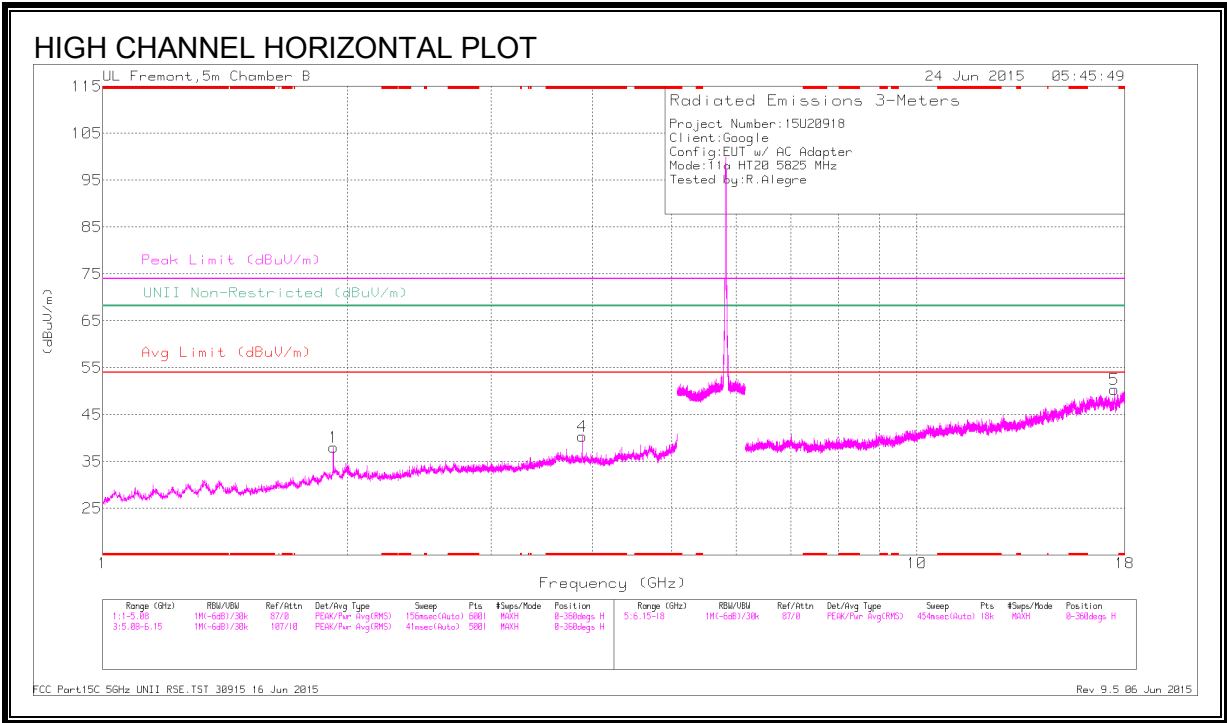
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/F Itr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 3.857	44.47	PK3	33.4	-30.4	47.47	-	-	74	-26.53	-	-	57	205	H
	* 3.857	36.96	ADR	33.4	-30.4	39.96	54	-14.04	-	-	-	-	57	205	H
3	* 3.857	43.83	PK3	33.4	-30.4	46.83	-	-	74	-27.17	-	-	171	283	V
	* 3.857	37.43	ADR	33.4	-30.4	40.43	54	-13.57	-	-	-	-	171	283	V
1	1.92	44.29	PK3	31.9	-31.7	44.49	-	-	-	-	68.2	-23.71	161	105	H
2	1.92	43.21	PK3	31.9	-31.7	43.41	-	-	-	-	68.2	-24.79	309	122	V
5	17.352	38.69	PK3	40.8	-18.8	60.69	-	-	-	-	68.2	-7.51	256	160	H
6	17.359	38.57	PK3	40.8	-18.7	60.67	-	-	-	-	68.2	-7.53	53	225	V

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

PK3 - 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 T345 (dB/m)	Amp/Cbl/Ftr/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	* 3.883	44.41	PK3	33.5	-30.4	47.51	-	-	74	-26.49	-	-	240	290	H
	* 3.884	35.24	ADR	33.5	-30.4	38.34	54	-15.66	-	-	-	-	240	290	H
3	* 3.883	45.26	PK3	33.5	-30.4	48.36	-	-	74	-25.64	-	-	177	221	V
	* 3.883	38.81	ADR	33.5	-30.4	41.91	54	-12.09	-	-	-	-	177	221	V
1	1.92	44.44	PK3	31.9	-31.7	44.64	-	-	-	-	68.2	-23.56	159	104	H
2	1.92	44.74	PK3	31.9	-31.7	44.94	-	-	-	-	68.2	-23.26	100	127	V
5	17.472	36.34	PK3	40.7	-18.2	58.84	-	-	-	-	68.2	-9.36	100	261	H
6	17.472	40.31	PK3	40.7	-18.2	62.81	-	-	-	-	68.2	-5.39	51	215	V

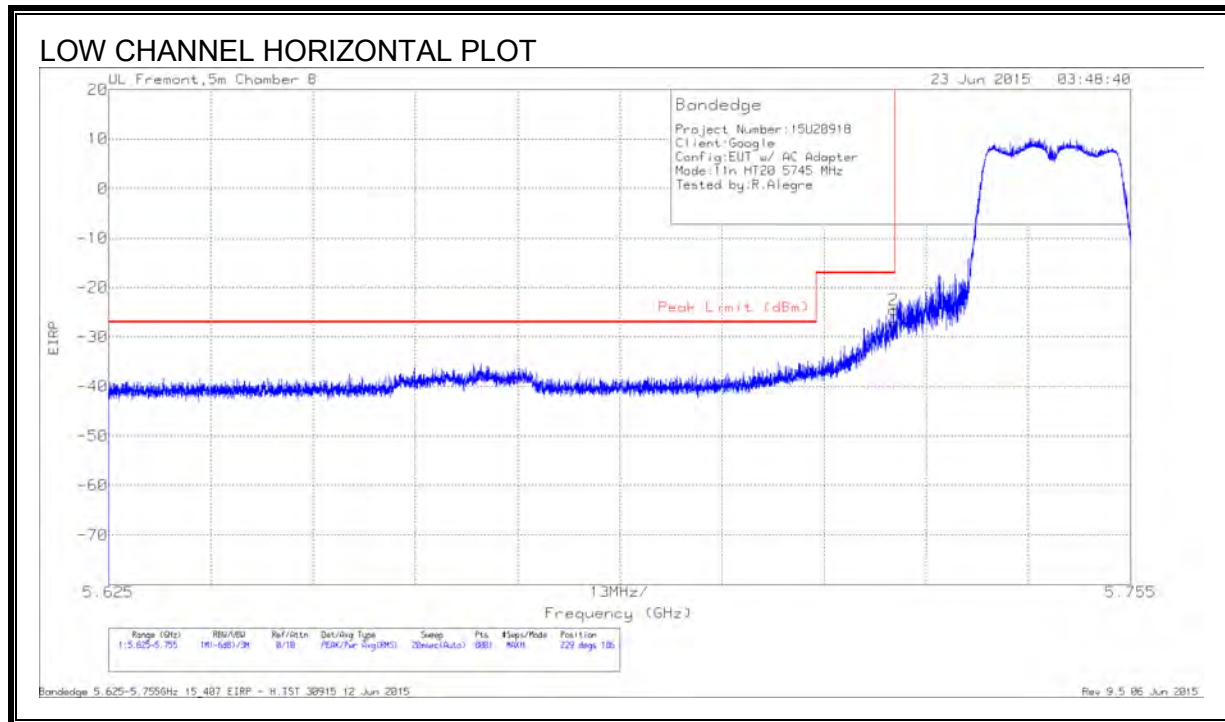
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK3 - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

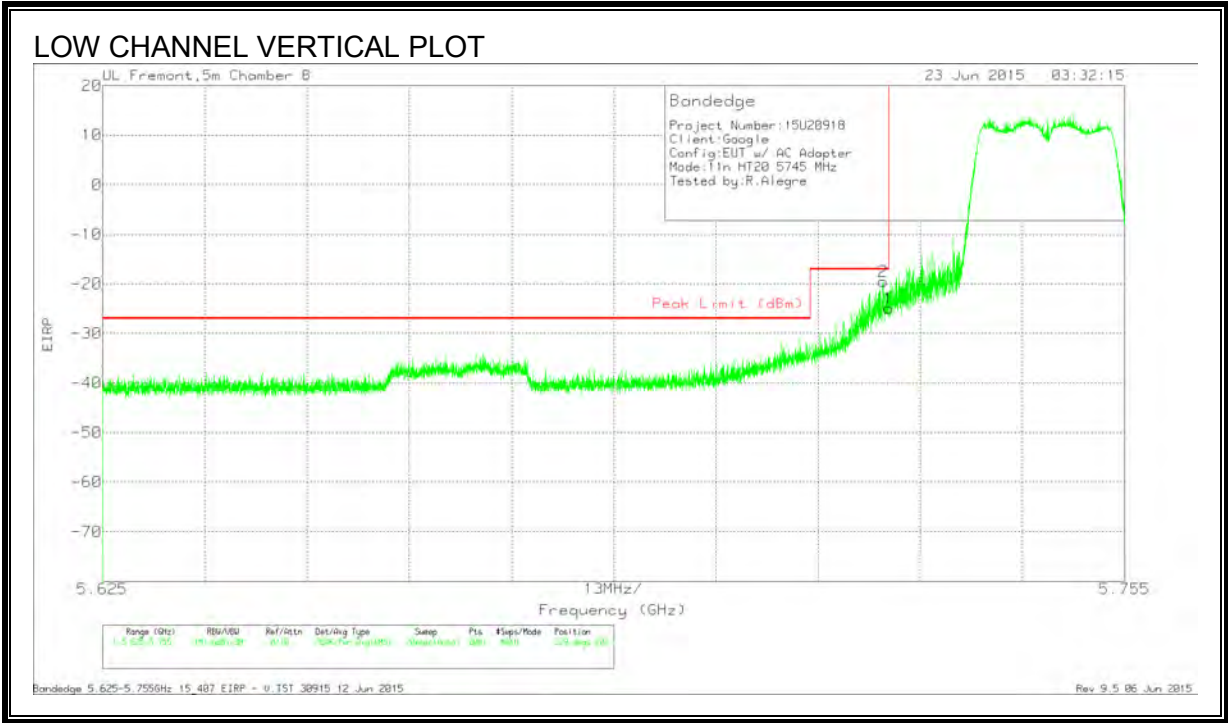
9.15. 802.11n HT20 MODE IN THE 5.8 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



DATA

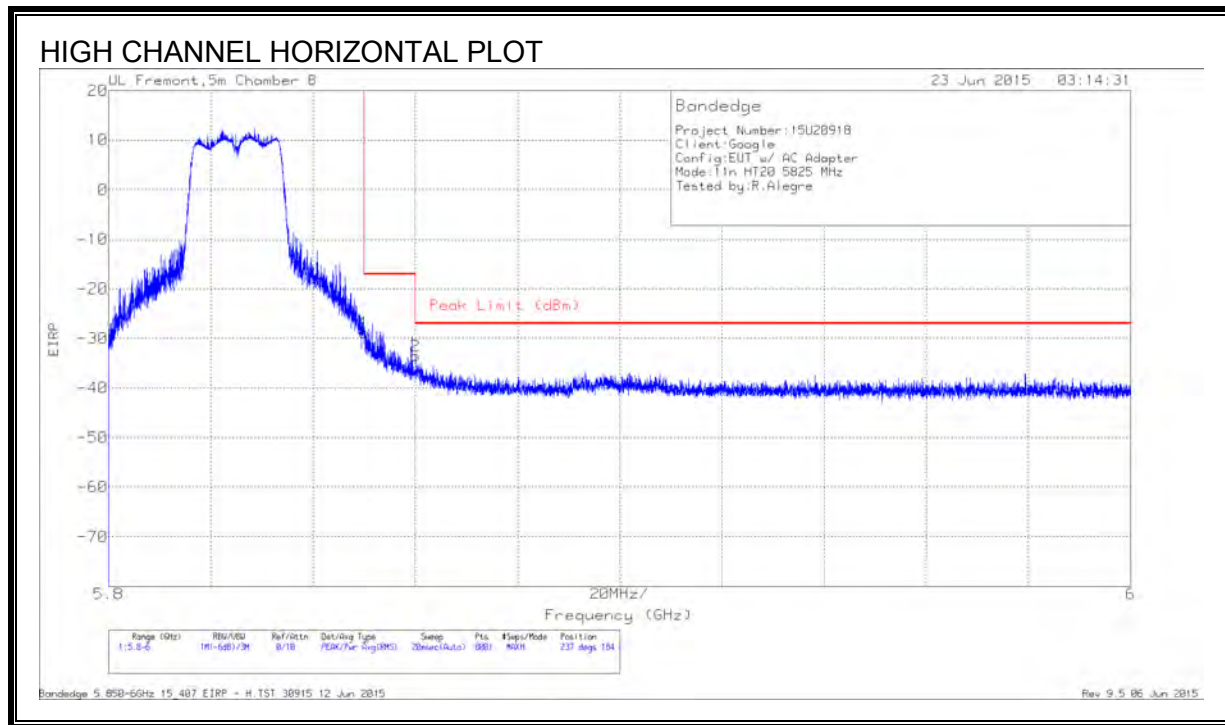
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-54.98	Pk	35	-19.1	11.8	-27.28	-17	-10.28	229	186	H
2	5.725	-52.19	Pk	35	-19.1	11.8	-24.49	-17	-7.49	229	186	H



DATA

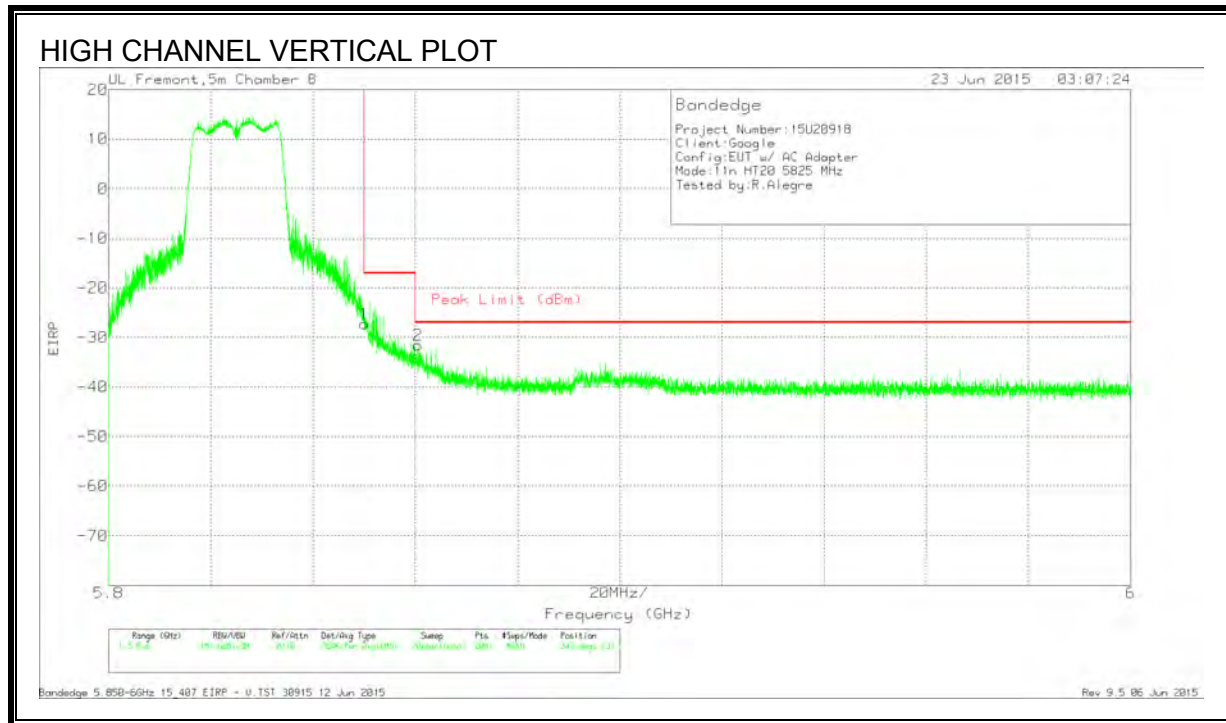
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.724	-47.21	Pk	35	-19.1	11.8	-19.51	-17	-2.51	329	202	V
1	5.725	-52.67	Pk	35	-19.1	11.8	-24.97	-17	-7.97	329	202	V

RESTRICTED BANDEDGE (HIGH CHANNEL)



DATA

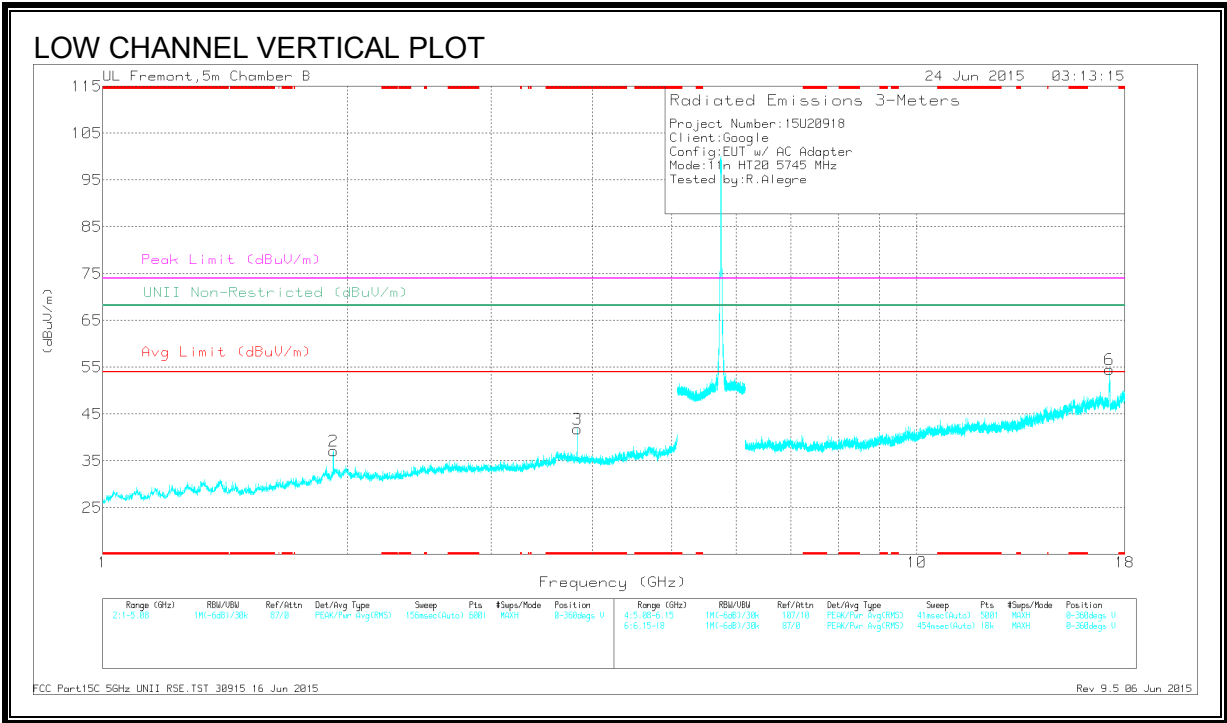
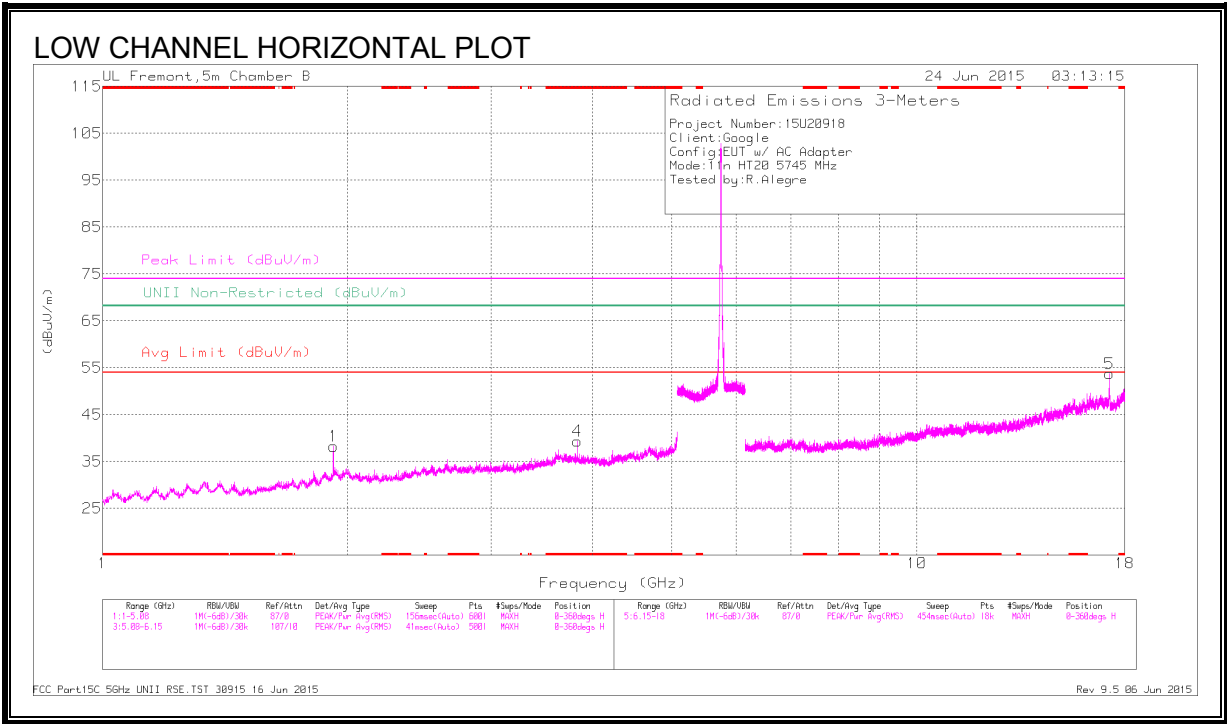
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-57.12	Pk	35.4	-18.9	11.8	-28.82	-17	-11.82	237	184	H
2	5.86	-61.87	Pk	35.4	-18.8	11.8	-33.47	-27	-6.47	237	184	H



DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-55.54	Pk	35.4	-18.9	11.8	-27.24	-17	-10.24	343	231	V
2	5.861	-59.96	Pk	35.4	-18.8	11.8	-31.56	-27	-4.56	343	231	V

LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

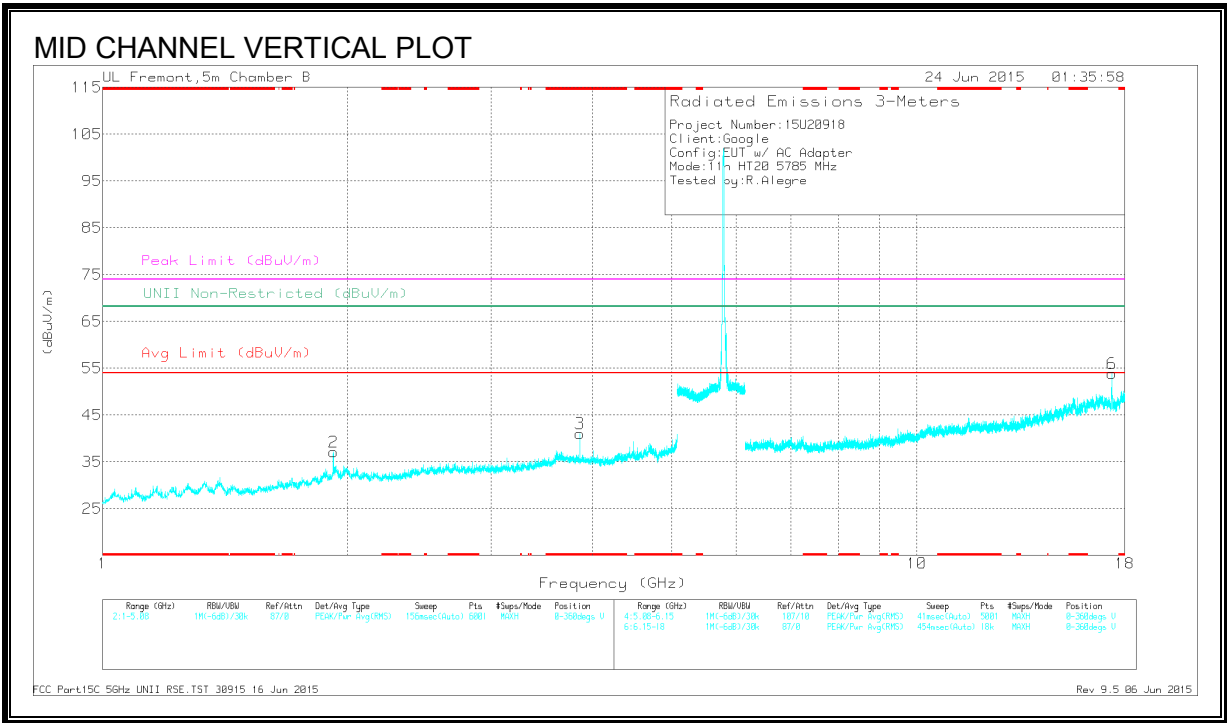
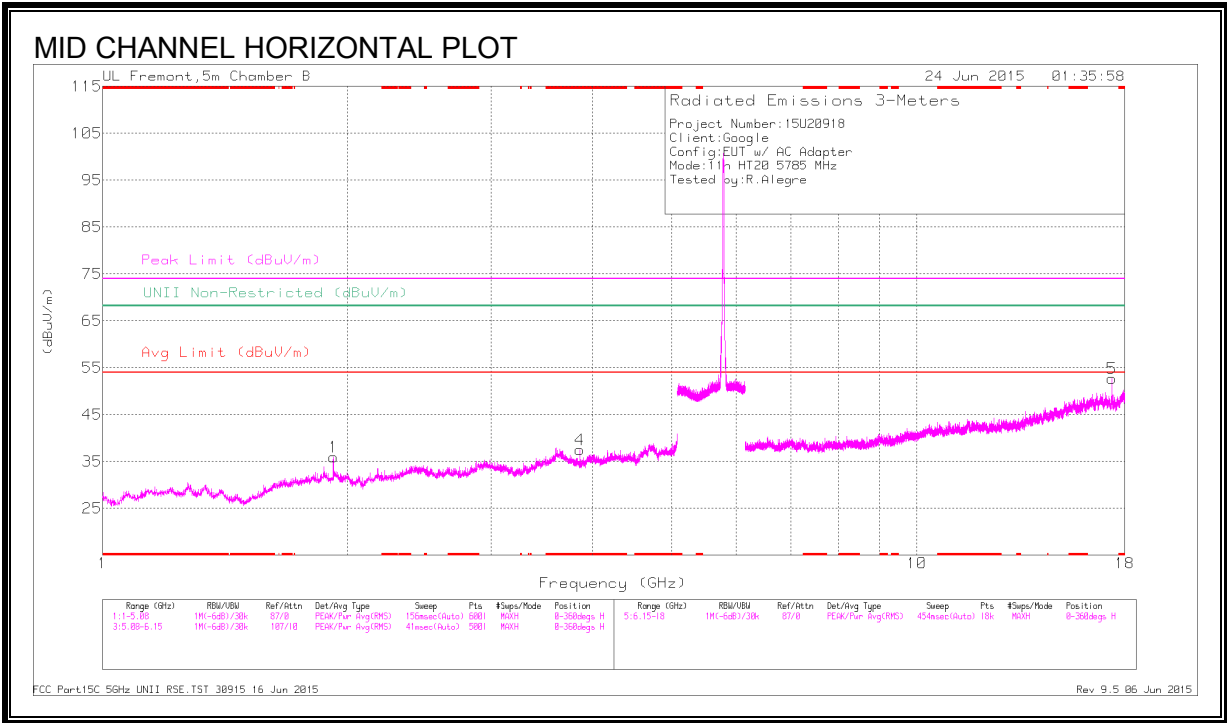
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 3.83	42.69	PK3	33.4	-30.1	45.99	-	-	74	-28.01	-	-	222	205	H
	* 3.83	34.39	ADR	33.4	-30.1	37.69	54	-16.31	-	-	-	-	222	205	H
3	* 3.83	44.17	PK3	33.4	-30.1	47.47	-	-	74	-26.53	-	-	116	232	V
	* 3.83	36.94	ADR	33.4	-30.1	40.24	54	-13.76	-	-	-	-	116	232	V
1	1.92	44.74	PK3	31.9	-31.7	44.94	-	-	-	-	68.2	-23.26	163	102	H
2	1.92	43.6	PK3	31.9	-31.7	43.8	-	-	-	-	68.2	-24.4	76	287	V
6	17.235	42.51	PK3	41.1	-18.2	65.41	-	-	-	-	68.2	-2.79	50	208	V
5	17.242	38.2	PK3	41.1	-18.2	61.1	-	-	-	-	68.2	-7.1	107	227	H

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

PK3 - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

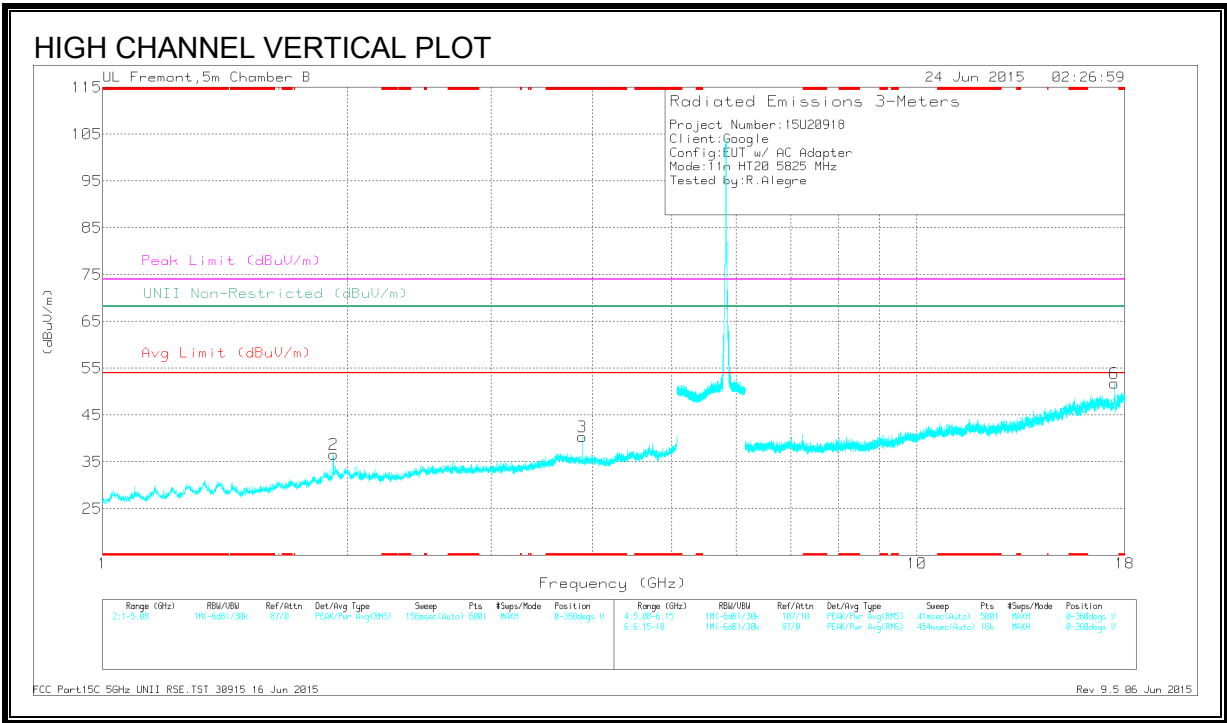
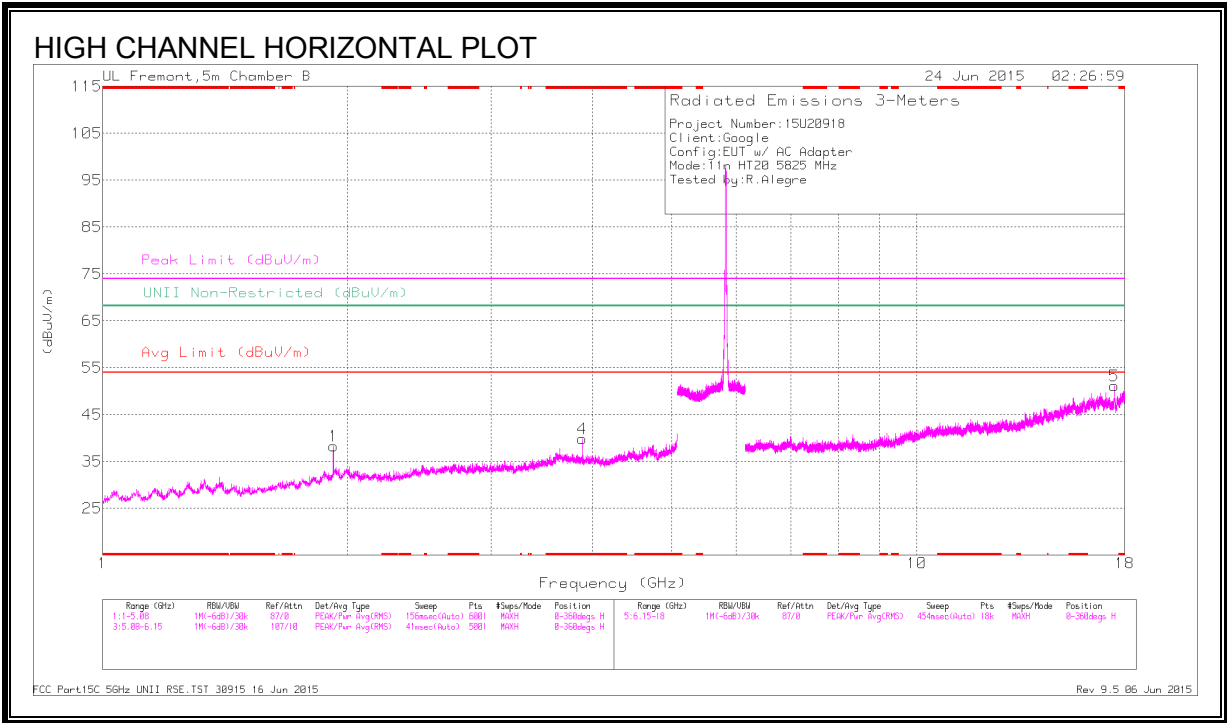
Marker	Frequency (GHz)	Meter Reading ^g (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 3.857	44.32	PK3	33.4	-30.4	47.32	-	-	74	-26.68	-	-	78	233	H
	* 3.857	37.89	ADR	33.4	-30.4	40.89	54	-13.11	-	-	-	-	78	233	H
3	* 3.857	44.96	PK3	33.4	-30.4	47.96	-	-	74	-26.04	-	-	191	286	V
	* 3.857	39.17	ADR	33.4	-30.4	42.17	54	-11.83	-	-	-	-	191	286	V
1	1.92	44.66	PK3	31.9	-31.7	44.86	-	-	-	-	68.2	-23.34	161	107	H
2	1.92	43.62	PK3	31.9	-31.7	43.82	-	-	-	-	68.2	-24.38	279	197	V
5	17.356	40.89	PK3	40.8	-18.7	62.99	-	-	-	-	68.2	-5.21	117	106	H
6	17.356	42.3	PK3	40.8	-18.7	64.4	-	-	-	-	68.2	-3.8	59	223	V

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

PK3 - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HARMONICS AND SPURIOUS EMISSIONS

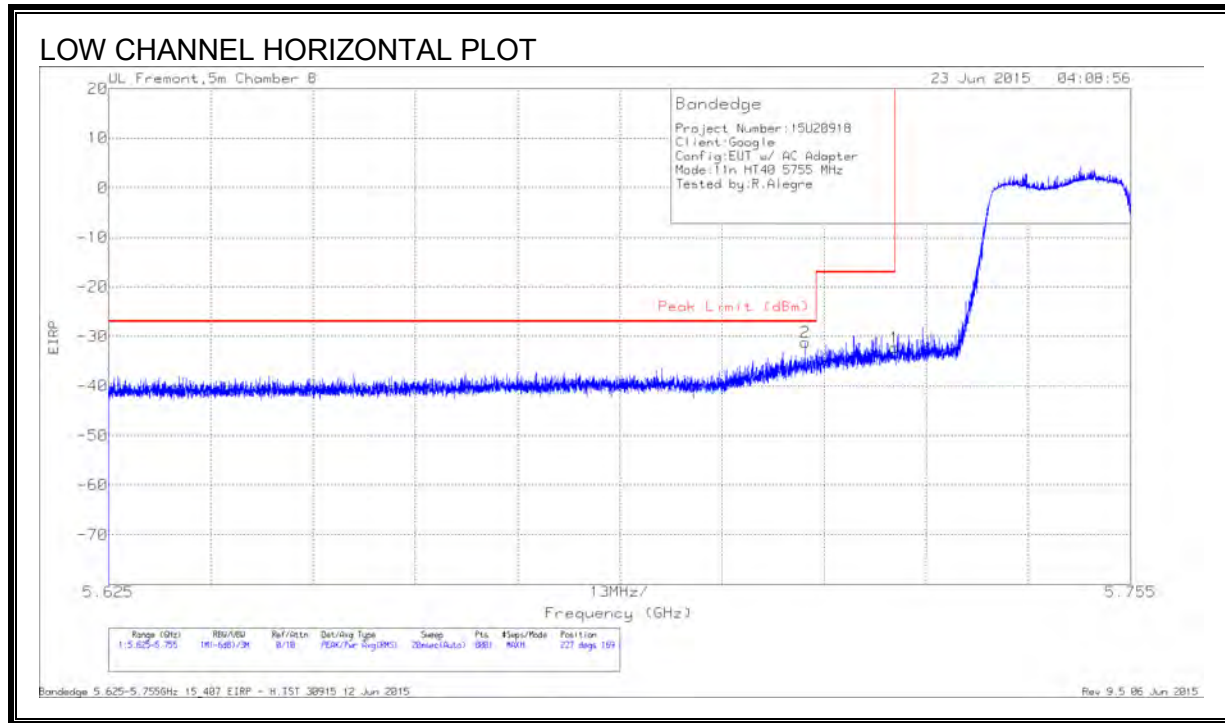


DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/F ltr/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	* 3.883	43.56	PK3	33.5	-30.4	46.66	-	-	74	-27.34	-	-	78	184	H
	* 3.883	36.3	ADR	33.5	-30.4	39.4	54	-14.6	-	-	-	-	78	184	H
3	* 3.884	45.37	PK3	33.5	-30.4	48.47	-	-	74	-25.53	-	-	174	247	V
	* 3.883	38.45	ADR	33.5	-30.4	41.55	54	-12.45	-	-	-	-	174	247	V
1	1.92	44.47	PK3	31.9	-31.7	44.67	-	-	-	-	68.2	-23.53	163	106	H
2	1.92	43.73	PK3	31.9	-31.7	43.93	-	-	-	-	68.2	-24.27	280	196	V
6	17.468	36.95	PK3	40.7	-18.2	59.45	-	-	-	-	68.2	-8.75	318	106	V
5	17.475	38.44	PK3	40.7	-18.2	60.94	-	-	-	-	68.2	-7.26	120	106	H

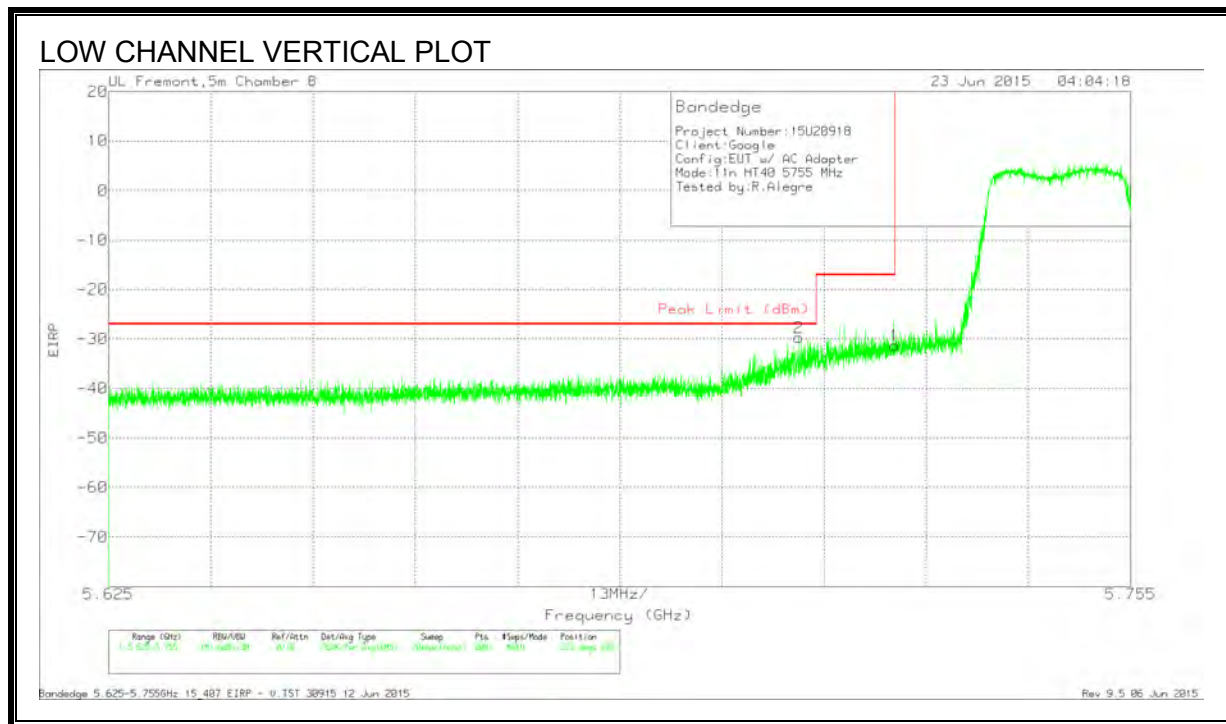
9.16. 802.11n HT40 MODE IN THE 5.8 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



DATA

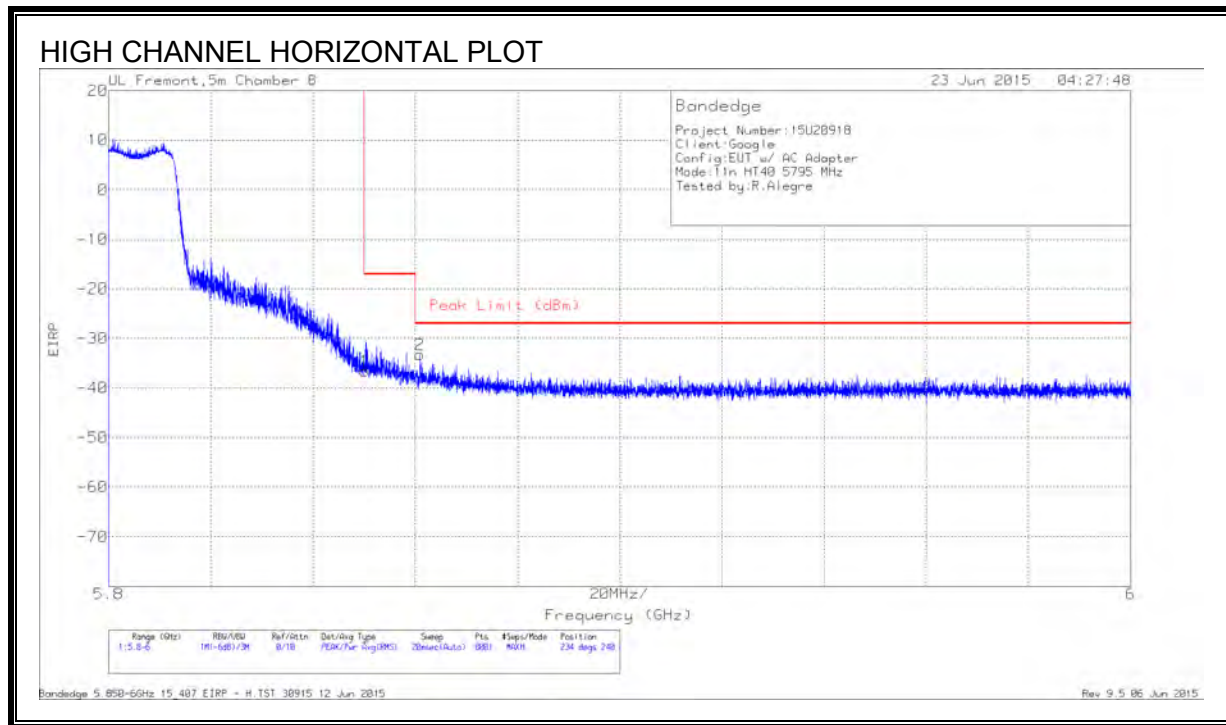
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.714	-58.88	Pk	35	-19.1	11.8	-31.18	-27	-4.18	227	169	H
1	5.725	-59.98	Pk	35	-19.1	11.8	-32.28	-17	-15.28	227	169	H



DATA

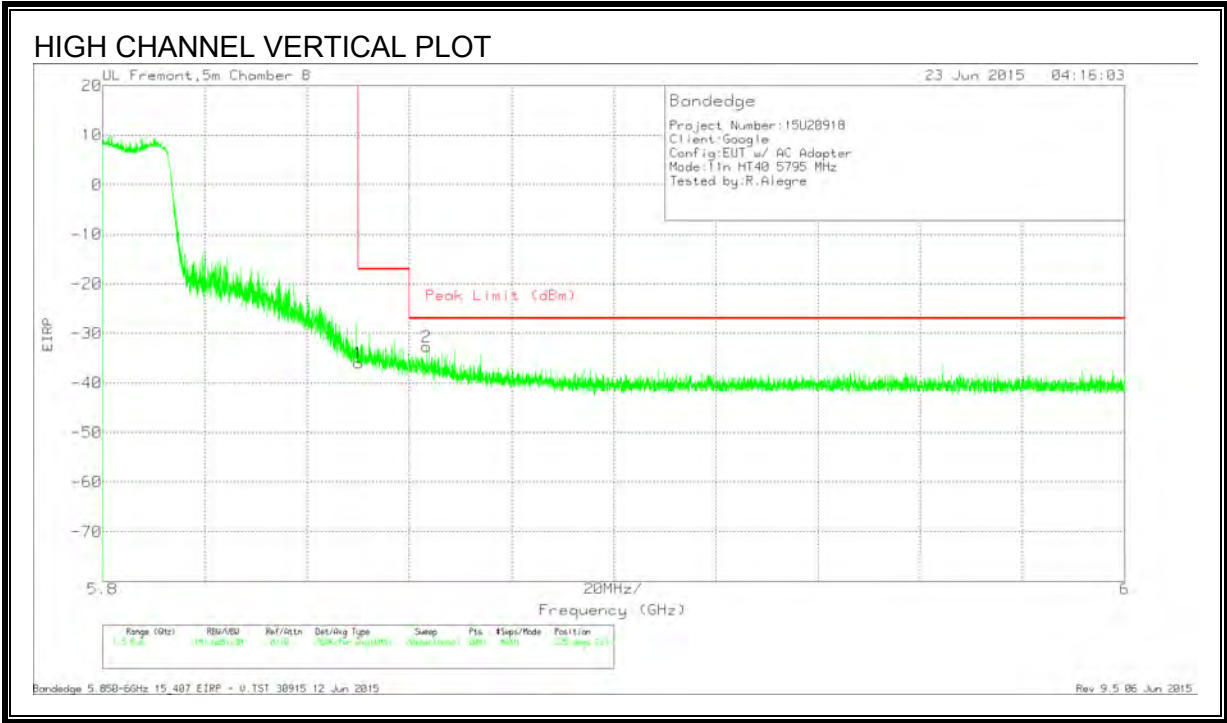
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.713	-57.45	Pk	35	-19.1	11.8	-29.75	-27	-2.75	323	202	V
1	5.725	-58.96	Pk	35	-19.1	11.8	-31.26	-17	-14.26	323	202	V

RESTRICTED BANDEDGE (HIGH CHANNEL)



DATA

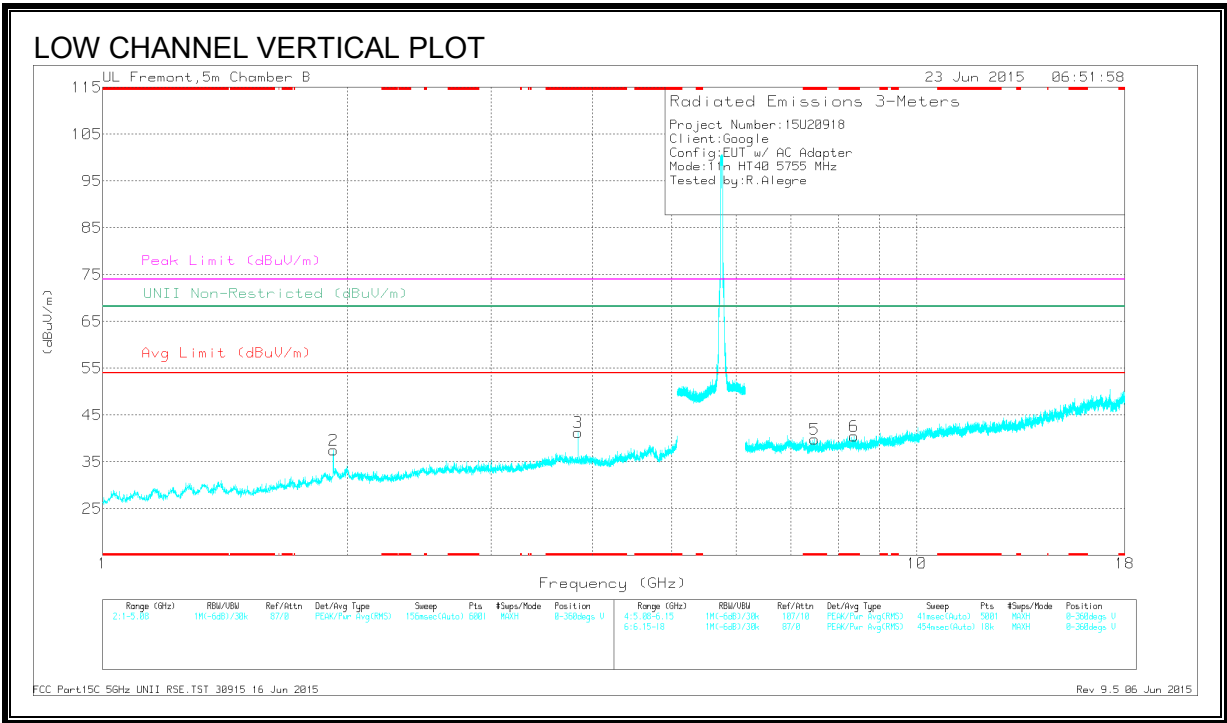
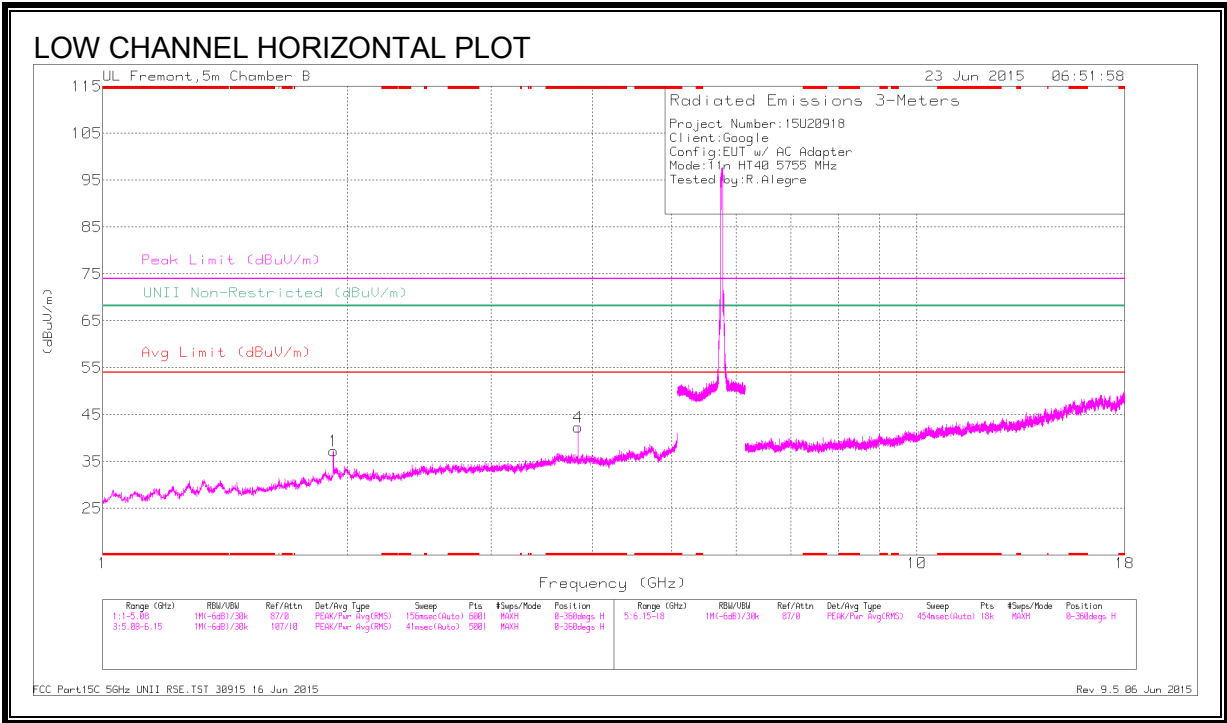
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-64.93	Pk	35.4	-18.9	11.8	-36.63	-17	-19.63	234	240	H
2	5.861	-61.7	Pk	35.4	-18.8	11.8	-33.3	-27	-6.3	234	240	H



DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-64.26	Pk	35.4	-18.9	11.8	-35.96	-17	-18.96	325	167	V
2	5.863	-60.92	Pk	35.4	-18.9	11.8	-32.62	-27	-5.62	325	167	V

LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

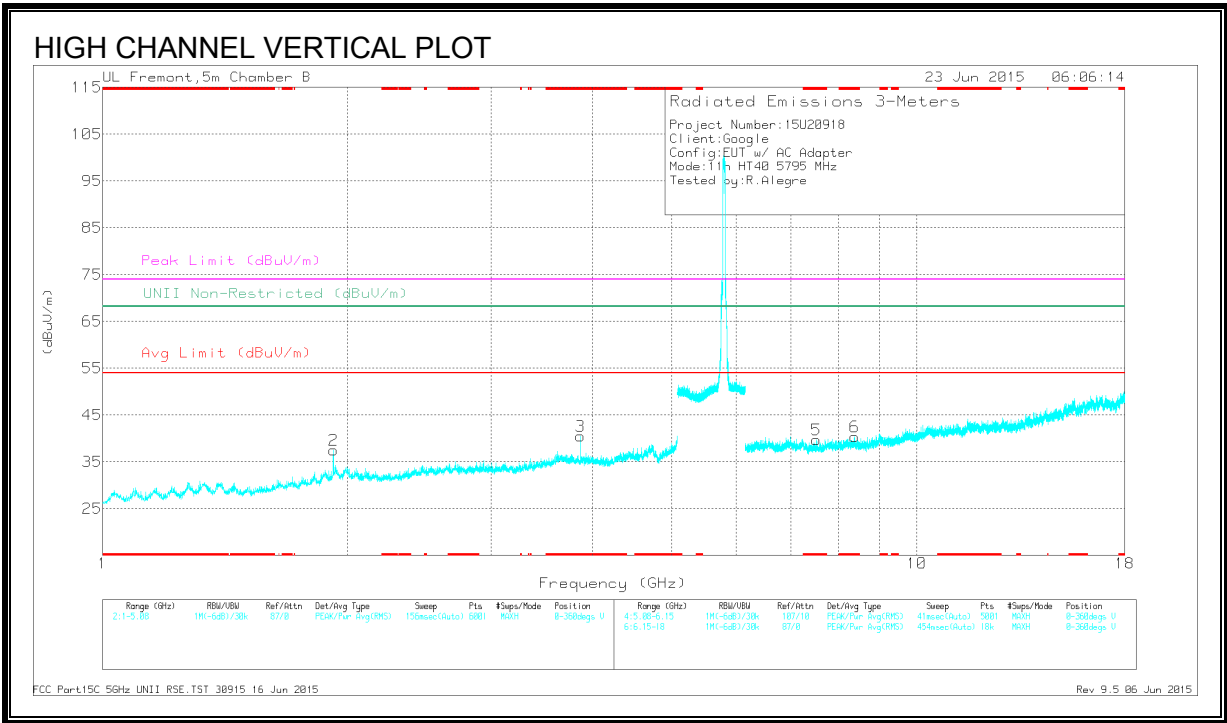
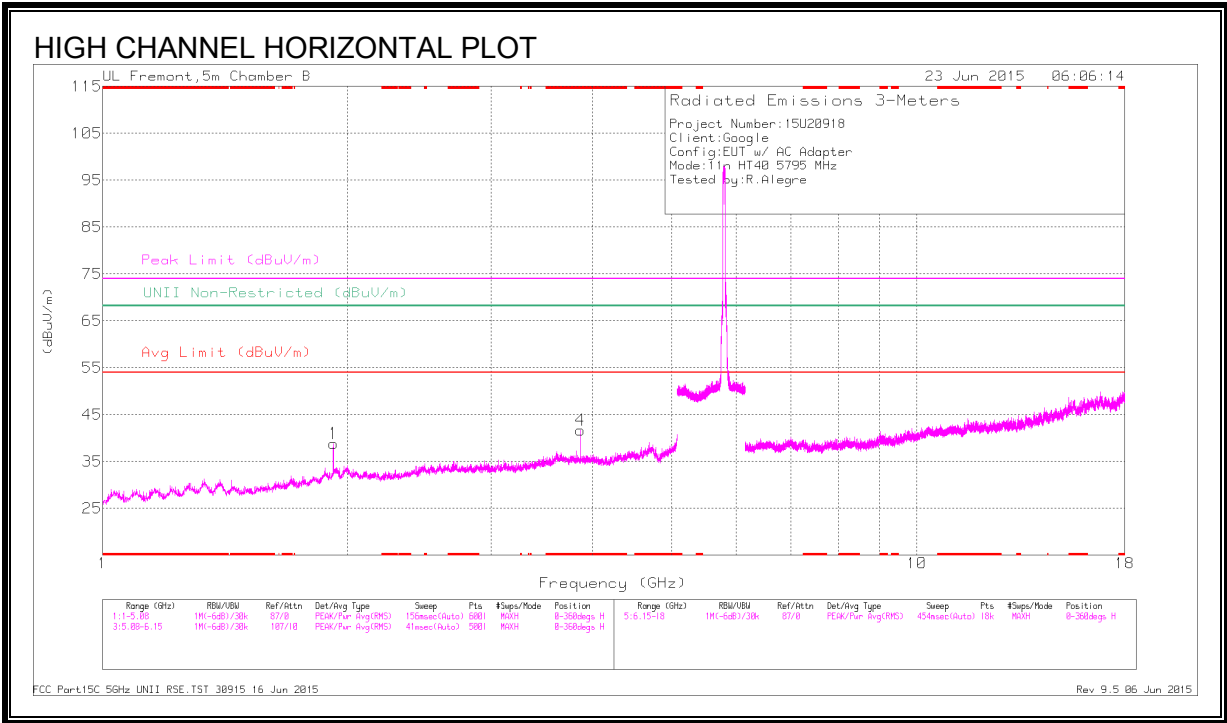
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 3.837	45.72	PK3	33.4	-30.1	49.02	-	-	74	-24.98	-	-	248	176	H
	* 3.837	40.18	ADR	33.4	-30.1	43.48	54	-10.52	-	-	-	-	248	176	H
3	* 3.837	45	PK3	33.4	-30.1	48.3	-	-	74	-25.7	-	-	344	169	V
	* 3.837	38.31	ADR	33.4	-30.1	41.61	54	-12.39	-	-	-	-	344	169	V
6	* 8.375	37.04	PK3	35.7	-24.9	47.84	-	-	74	-26.16	-	-	359	101	V
	* 8.375	25.96	ADR	35.7	-24.9	36.76	54	-17.24	-	-	-	-	359	101	V
5	* 7.484	37.75	PK3	35.3	-26	47.05	-	-	74	-26.95	-	-	359	101	V
	* 7.481	26.6	ADR	35.3	-25.9	36	54	-18	-	-	-	-	359	101	V
1	1.92	44.23	PK3	31.9	-31.7	44.43	-	-	-	-	68.2	-23.77	192	263	H
2	1.92	44.14	PK3	31.9	-31.7	44.34	-	-	-	-	68.2	-23.86	307	200	V

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

PK3 - 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 T345 (dB/m)	Amp/Cbl/F ltr/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	* 3.863	45.45	PK3	33.4	-30.5	48.35	-	-	74	-25.65	-	-	248	175	H
	* 3.863	38.98	ADR	33.4	-30.5	41.88	54	-12.12	-	-	-	-	248	175	H
3	* 3.863	45.44	PK3	33.4	-30.5	48.34	-	-	74	-25.66	-	-	4	192	V
	* 3.863	38.95	ADR	33.4	-30.5	41.85	54	-12.15	-	-	-	-	4	192	V
6	* 8.383	37.39	PK3	35.7	-24.8	48.29	-	-	74	-25.71	-	-	1	199	V
	* 8.385	26.19	ADR	35.7	-24.9	36.99	54	-17.01	-	-	-	-	1	199	V
5	* 7.526	37.17	PK3	35.3	-25.7	46.77	-	-	74	-27.23	-	-	1	199	V
	* 7.528	26.23	ADR	35.3	-25.6	35.93	54	-18.07	-	-	-	-	1	199	V
1	1.92	45.17	PK3	31.9	-31.7	45.37	-	-	-	-	68.2	-22.83	191	263	H
2	1.92	44.95	PK3	31.9	-31.7	45.15	-	-	-	-	68.2	-23.05	208	162	V

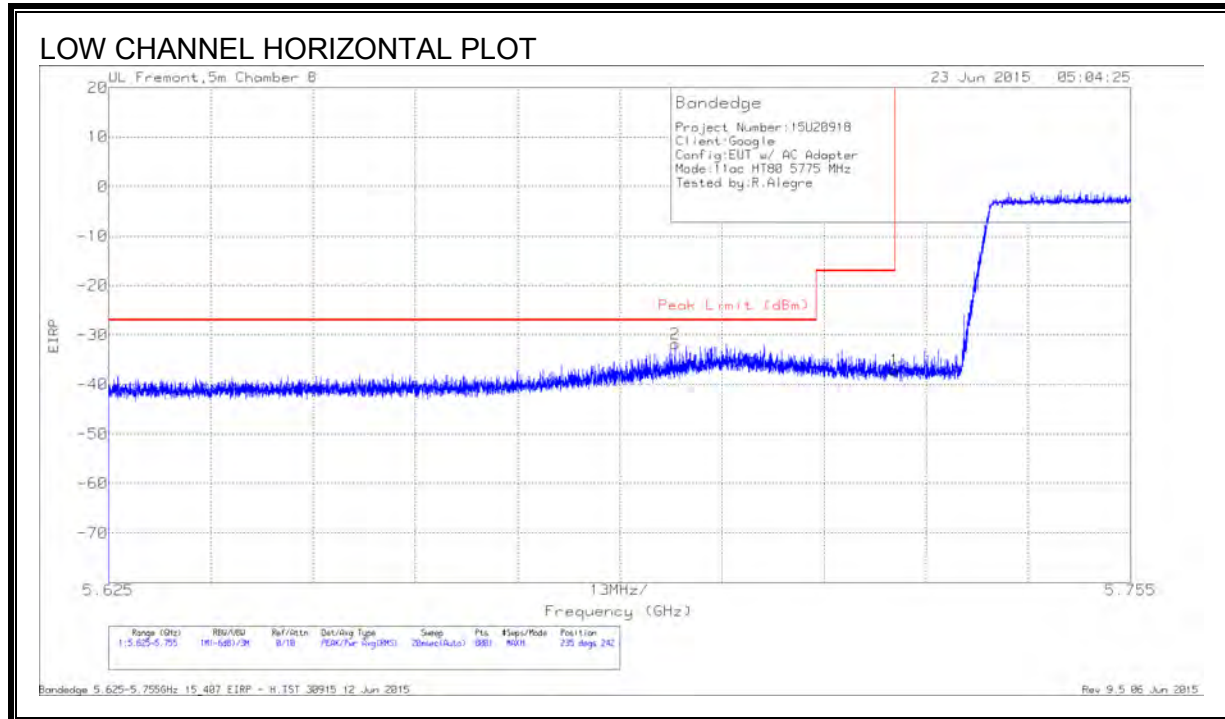
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK3 - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

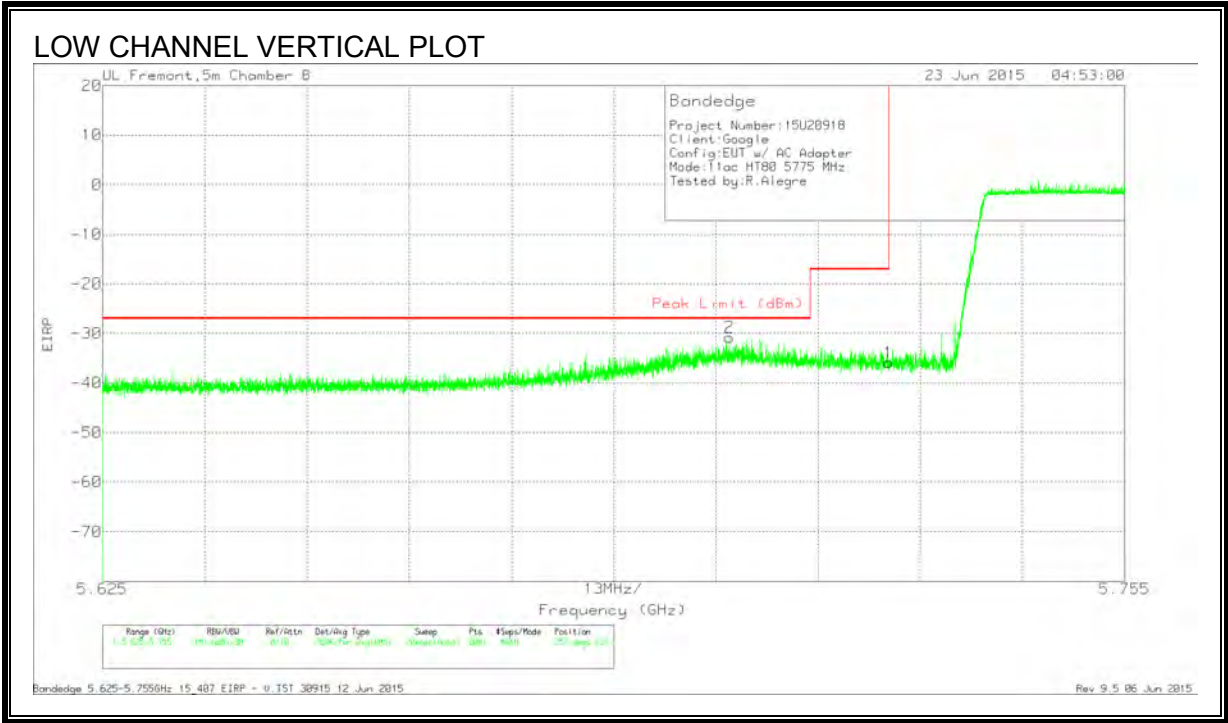
9.17. 802.11ac VHT80 MODE IN THE 5.8 GHz BAND

RESTRICTED BANDEDGE (LOW)



DATA

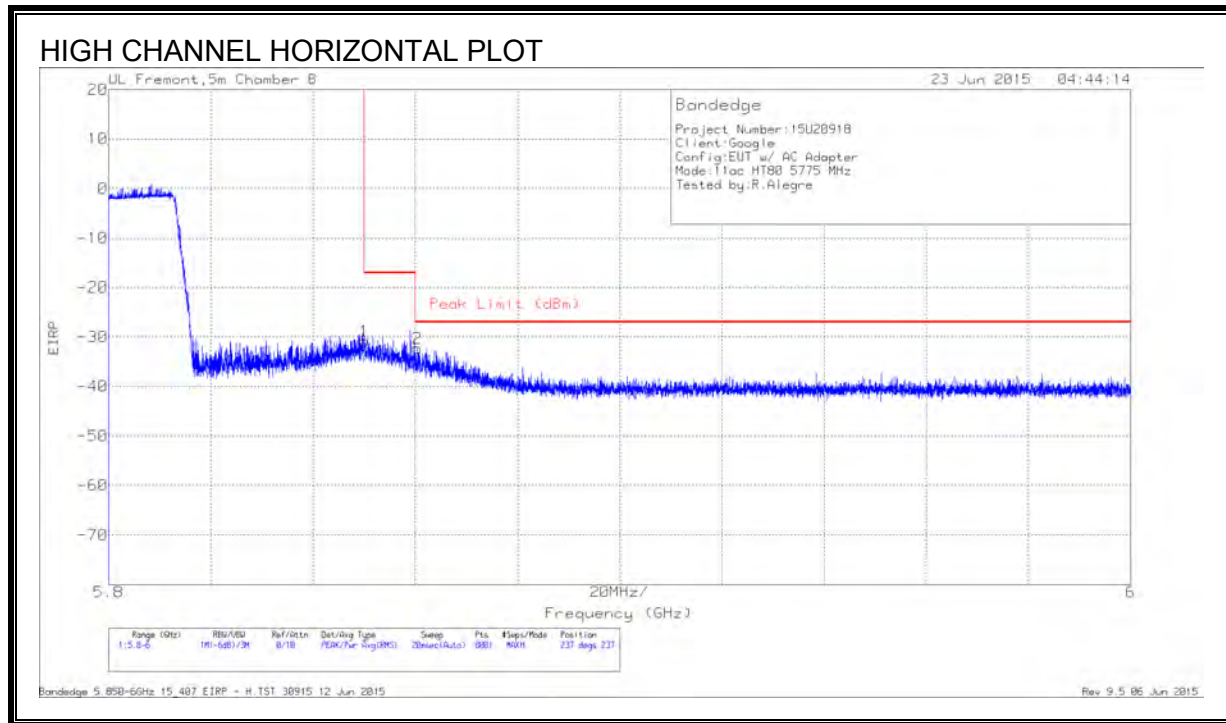
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.697	-59.45	Pk	35	-19.1	11.8	-31.75	-27	-4.75	235	242	H
1	5.725	-64.72	Pk	35	-19.1	11.8	-37.02	-17	-20.02	235	242	H



DATA

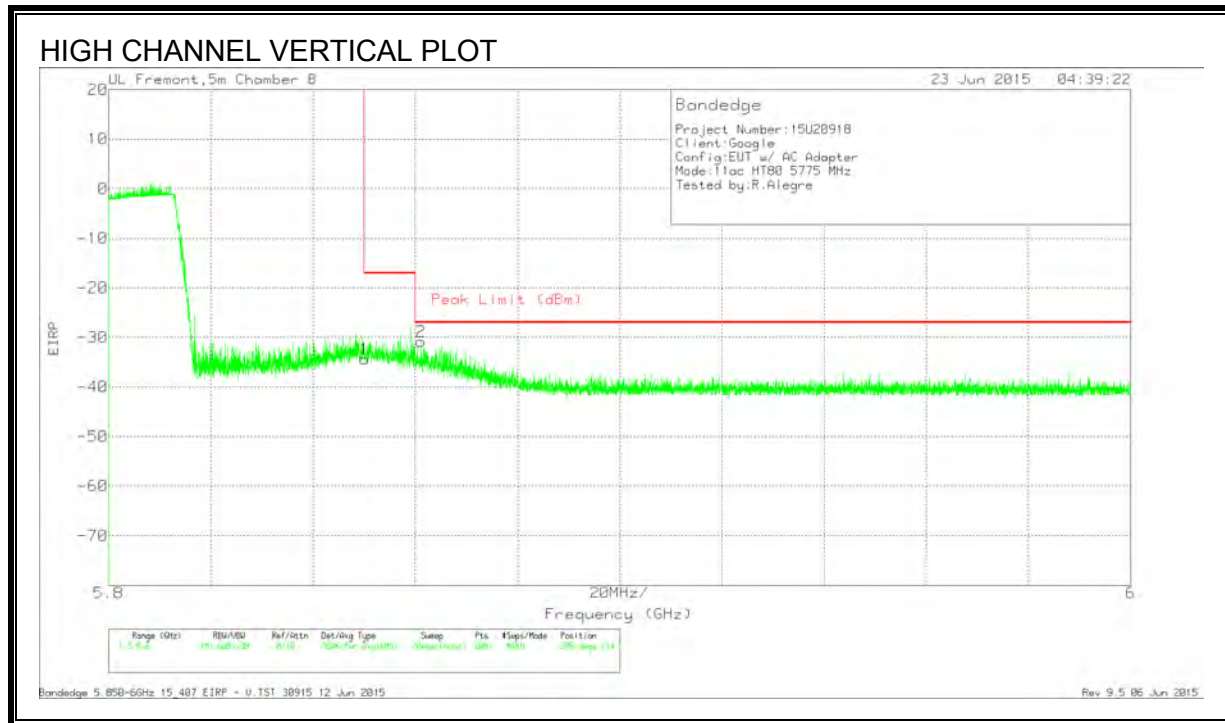
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.705	-58.35	Pk	35	-19.2	11.8	-30.75	-27	-3.75	357	237	V
1	5.725	-63.53	Pk	35	-19.1	11.8	-35.83	-17	-18.83	357	237	V

RESTRICTED BANDEDGE (HIGH)



DATA

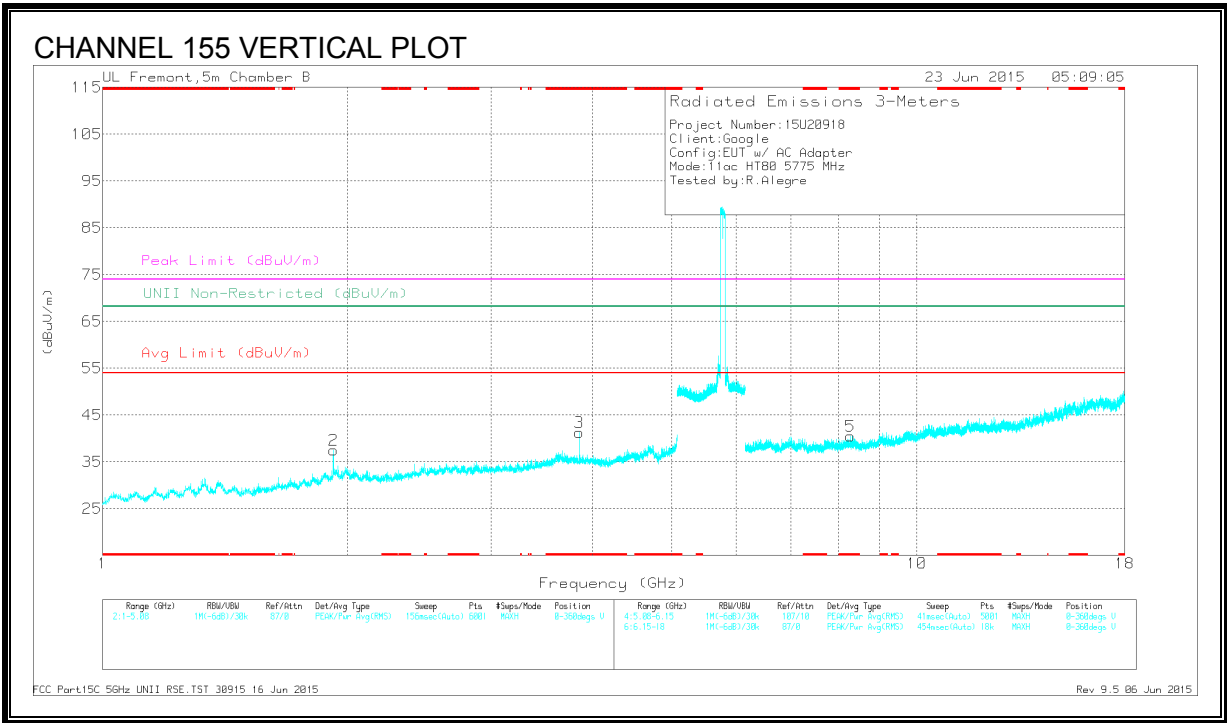
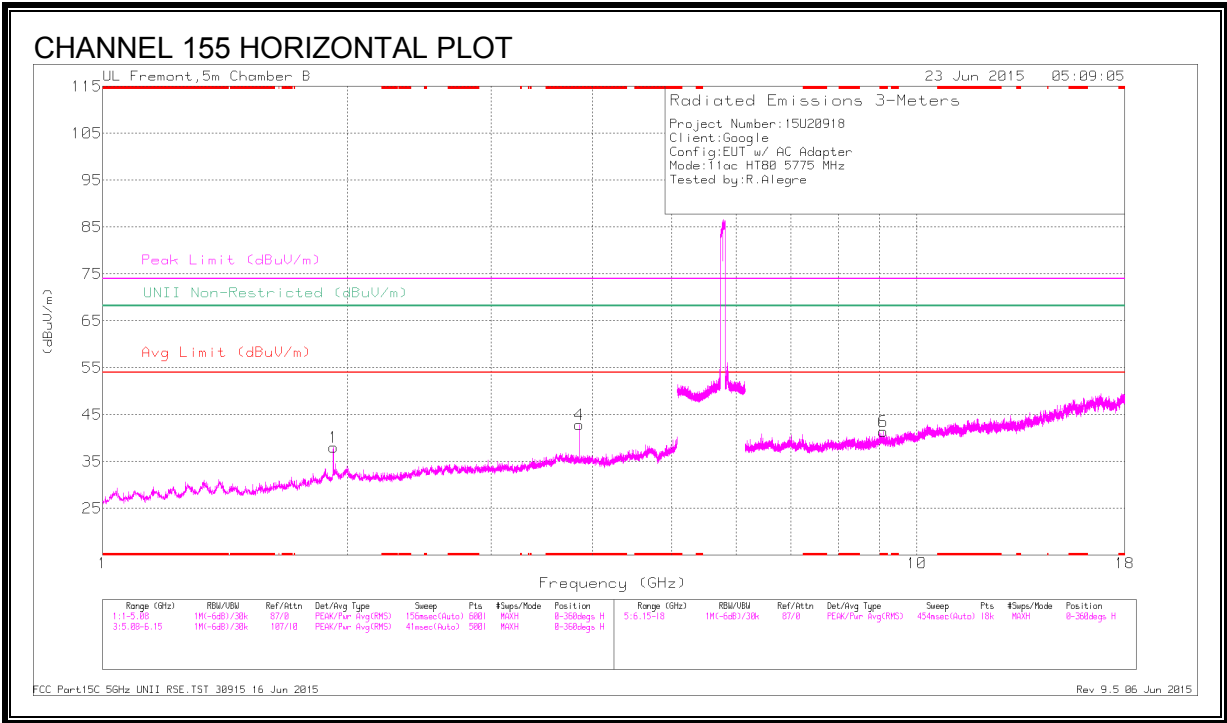
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-59.06	Pk	35.4	-18.9	11.8	-30.76	-17	-13.76	237	237	H
2	5.86	-60.73	Pk	35.4	-18.8	11.8	-32.33	-27	-5.33	237	237	H



DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-62.71	Pk	35.4	-18.9	11.8	-34.41	-17	-17.41	309	214	V
2	5.861	-59.21	Pk	35.4	-18.8	11.8	-30.81	-27	-3.81	309	214	V

CHANNEL 155 HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/F ltr/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	* 3.85	45.7	PK3	33.4	-30.3	48.8	-	-	74	-25.2	-	-	245	175	H
	* 3.85	39.85	ADR	33.4	-30.3	42.95	54	-11.05	-	-	-	-	245	175	H
3	* 3.85	45.67	PK3	33.4	-30.3	48.77	-	-	74	-25.23	-	-	352	217	V
	* 3.85	39.53	ADR	33.4	-30.3	42.63	54	-11.37	-	-	-	-	352	217	V
6	* 9.088	36.77	PK3	36.1	-24.7	48.17	-	-	74	-25.83	-	-	360	199	H
	* 9.089	25.35	ADR	36.1	-24.7	36.75	54	-17.25	-	-	-	-	360	199	H
5	* 8.288	37.61	PK3	35.7	-25.9	47.41	-	-	74	-26.59	-	-	360	199	V
	* 8.285	26.67	ADR	35.7	-25.9	36.47	54	-17.53	-	-	-	-	360	199	V
1	1.92	45.24	PK3	31.9	-31.7	45.44	-	-	-	-	68.2	-22.76	186	261	H
2	1.92	43.07	PK3	31.9	-31.7	43.27	-	-	-	-	68.2	-24.93	99	139	V

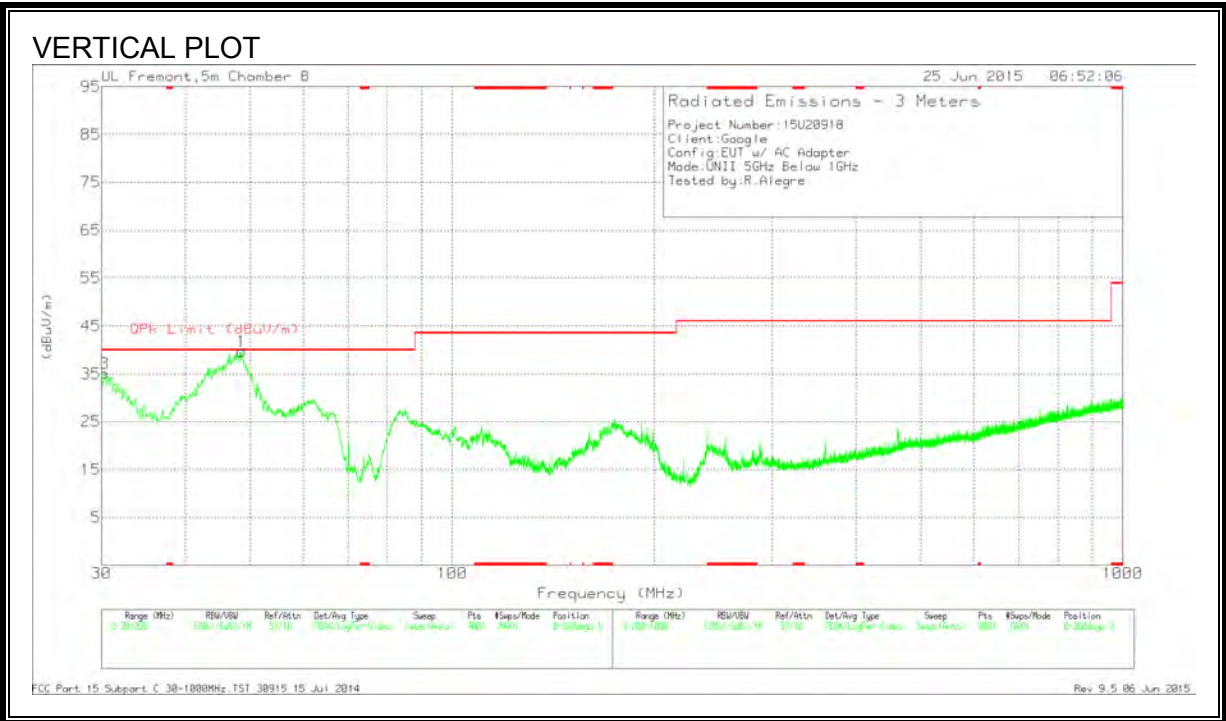
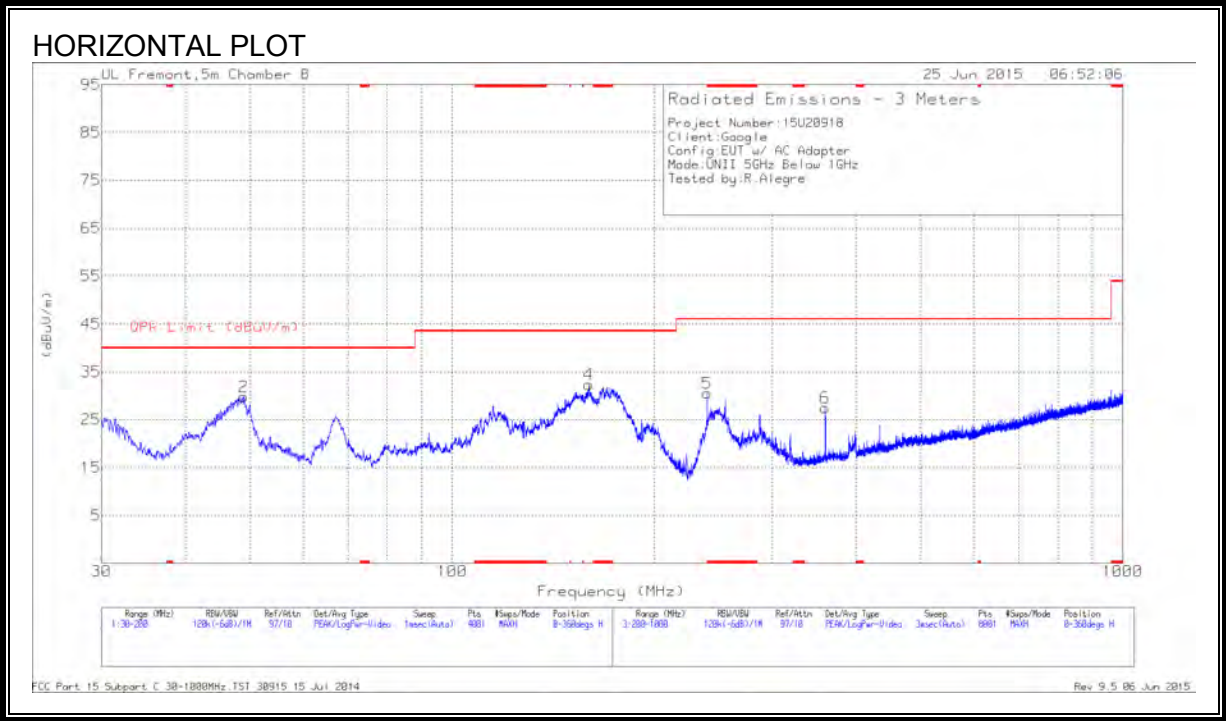
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK3 - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

9.18. **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 T243 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	* 240	45.32	Pk	11.6	-26.4	30.52	46.02	-15.5	0-360	101	H
3	30.2975	43.37	Pk	20.5	-28.8	35.07	40	-4.93	0-360	101	V
	30.3496	41.94	Qp	20.5	-28.8	33.64	40	-6.36	224	105	V
1	48.53	59.54	Pk	8.7	-28.6	39.64	40	-.36	0-360	101	V
	48.2577	55.06	Qp	8.9	-28.6	35.36	40	-4.64	118	122	V
2	48.9125	49.92	Pk	8.5	-28.6	29.82	40	-10.18	0-360	399	H
	48.3938	54.25	Qp	8.8	-28.6	34.45	40	-5.55	118	122	V
4	159.88	47.39	Pk	12.2	-27.2	32.39	43.52	-11.13	0-360	199	H
6	360	38.27	Pk	14.9	-25.7	27.47	46.02	-18.55	0-360	101	H

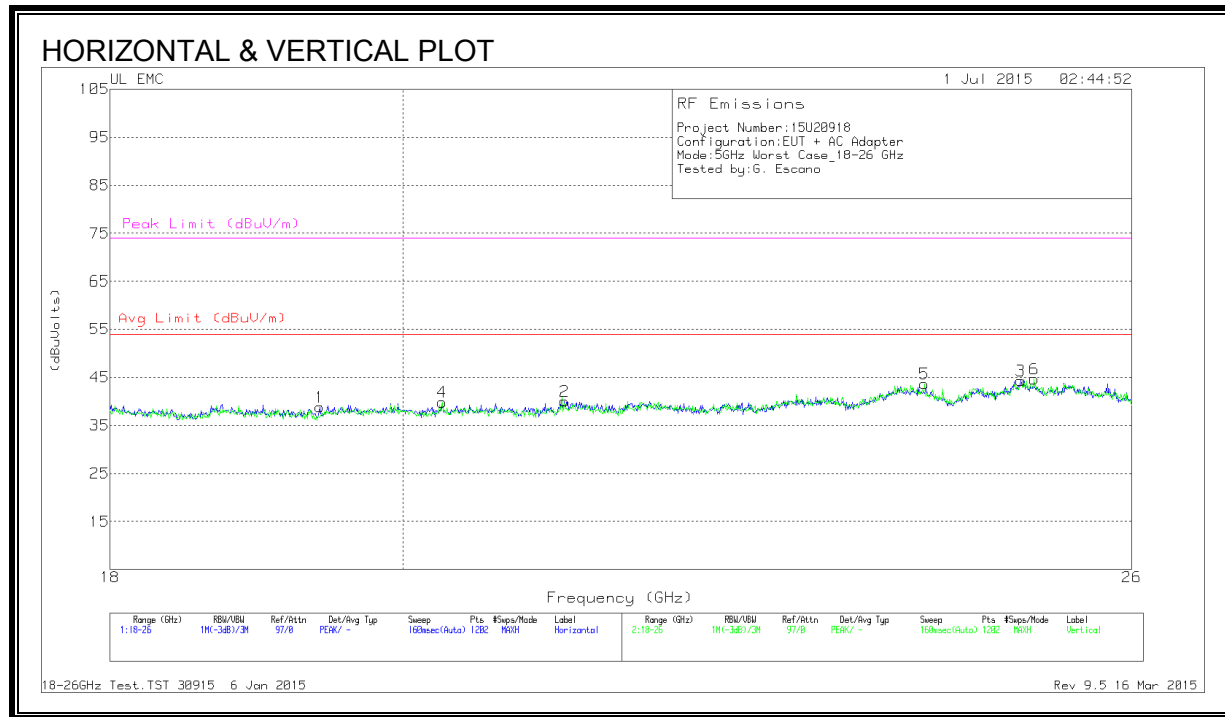
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Qp - Quasi-Peak detector

Pk - Peak detector

9.19. WORST-CASE ABOVE 18 GHz

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

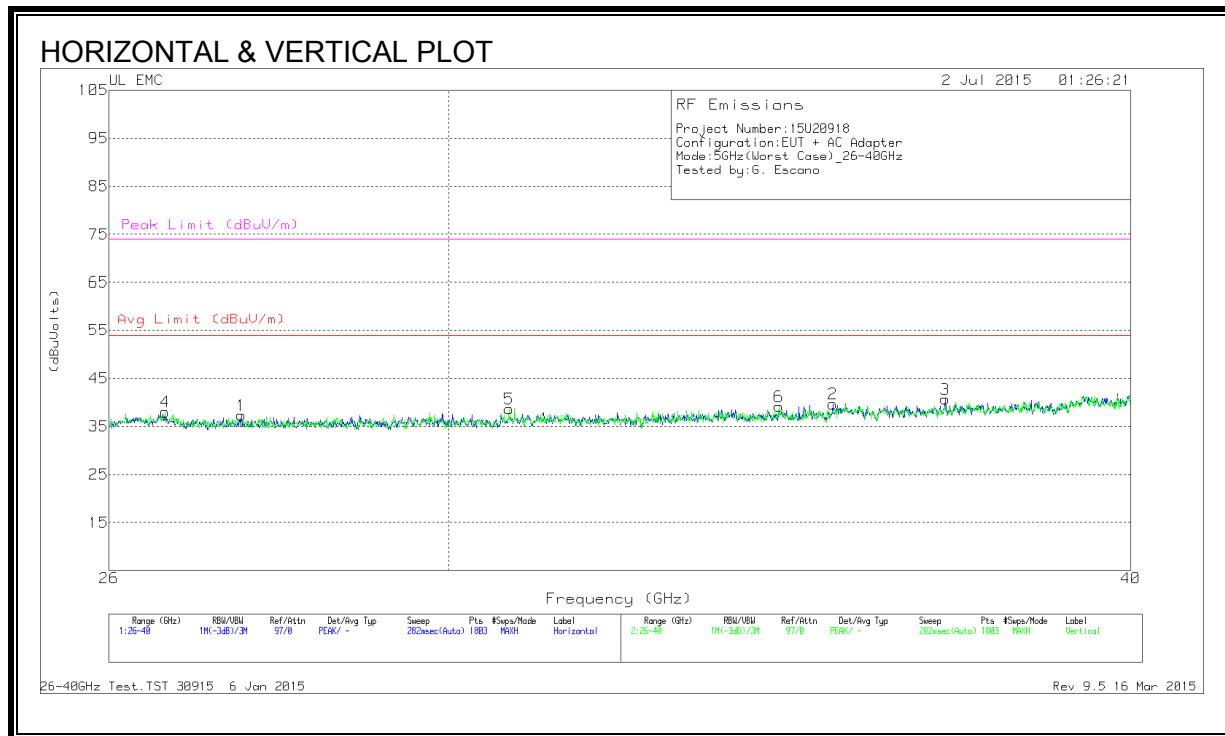


HORIZONTAL AND VERTICAL DATA

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	19.412	40.83	Pk	32.5	-25	-9.5	38.83	54	-15.17	74	-35.17
2	21.197	41.3	Pk	33	-24.8	-9.5	40	54	-14	74	-34
3	24.981	43.83	Pk	34.2	-24.2	-9.5	44.33	54	-9.67	74	-29.67
4	20.285	42.03	Pk	32.5	-25.2	-9.5	39.83	54	-14.17	74	-34.17
5	24.128	44.07	Pk	33.4	-24.3	-9.5	43.67	54	-10.33	74	-30.33
6	25.101	44.67	Pk	33.9	-24.4	-9.5	44.67	54	-9.33	74	-29.33

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	27.492	45.63	Pk	35.7	-34.5	-9.5	37.33	54	-16.67	74	-36.67
2	35.276	48.57	Pk	37.7	-37.1	-9.5	39.67	54	-14.33	74	-34.33
3	36.986	50.47	Pk	37.2	-37.5	-9.5	40.67	54	-13.33	74	-33.33
4	26.622	45.7	Pk	35.4	-33.6	-9.5	38	54	-16	74	-36
5	30.778	47.67	Pk	36.1	-35.6	-9.5	38.67	54	-15.33	74	-35.33
6	34.484	48.37	Pk	37.4	-37.1	-9.5	39.17	54	-14.83	74	-34.83

Pk - Peak detector

10. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

Frequency of Emission (MHz)	Conducted Limit (dB μ V)	
	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

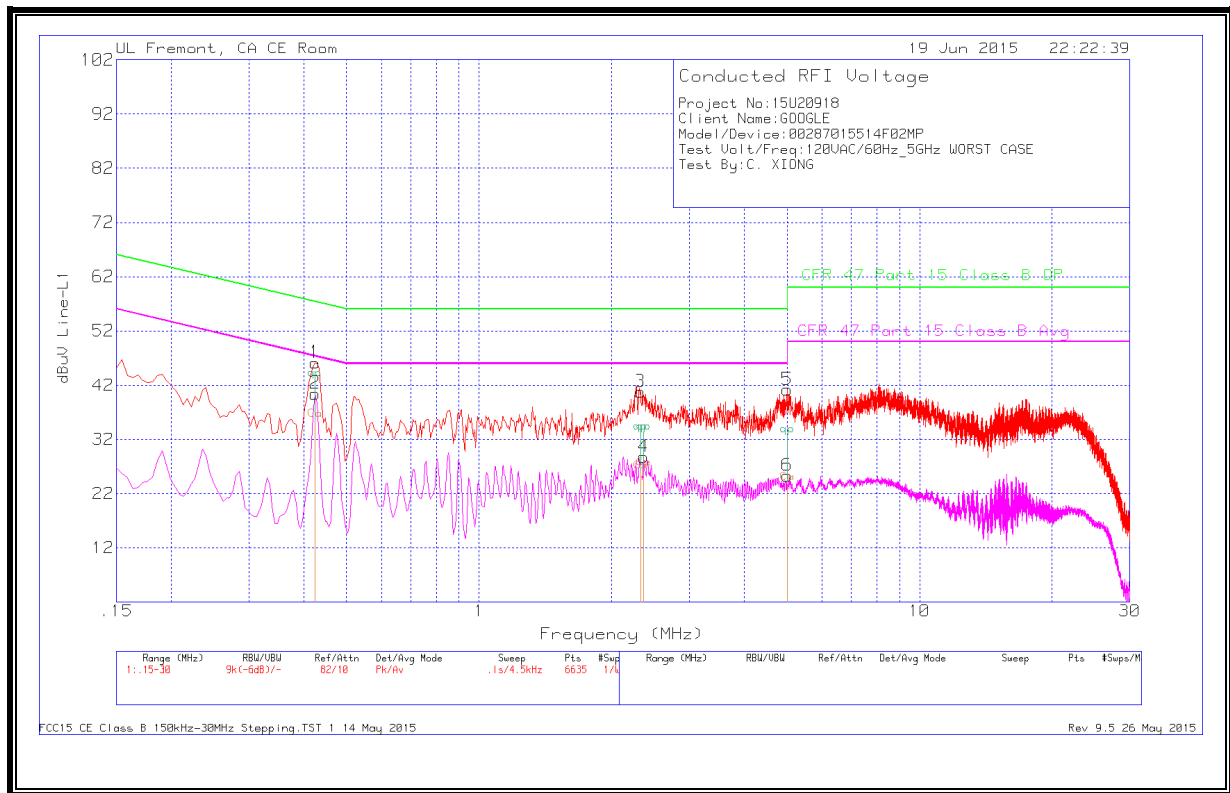
The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.10.

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

LINE 1 RESULTS

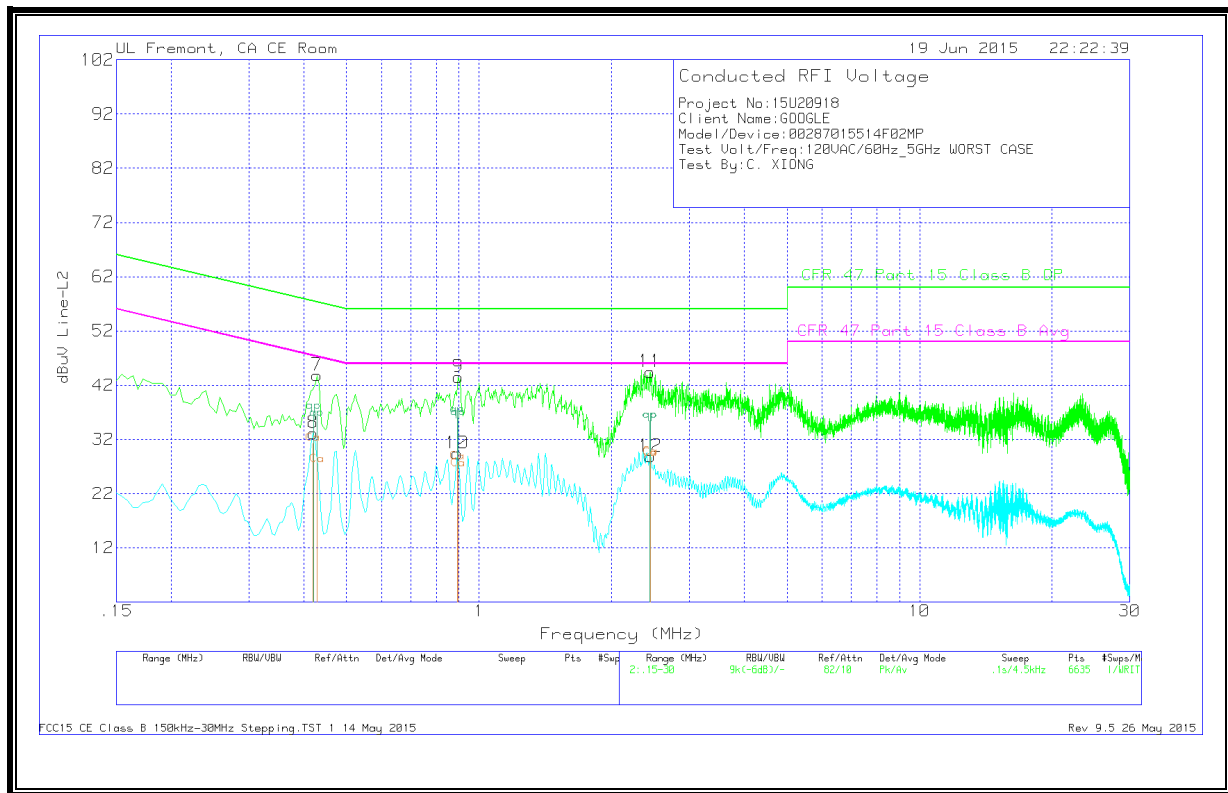


WORST EMISSIONS

Range 1: Line-L1 .15 - 30MHz										
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	.42338	42.82	Qp	.4	0	43.22	57.38	-14.16	-	-
2	.42338	35.25	Ca	.4	0	35.65	-	-	47.38	-11.73
3	2.32328	33.05	Qp	.2	.1	33.35	56	-22.65	-	-
4	2.36513	26.34	Ca	.2	.1	26.64	-	-	46	-19.36
5	5.01068	32.53	Qp	.2	.1	32.83	60	-27.17	-	-
6	5.01068	23.71	Ca	.2	.1	24.01	-	-	50	-25.99

Ca - CISPR average detection
Qp - Quasi-Peak detector

LINE 2 RESULTS



WORST EMISSIONS

Range 2: Line-L2 .15 - 30MHz										
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)
7	.42788	35.45	Qp	.4	0	35.85	57.29	-21.44	-	-
8	.42113	30.83	Ca	.4	0	31.23	-	-	47.43	-16.2
9	.89588	35.67	Qp	.3	0	35.97	56	-20.03	-	-
10	.89138	27.55	Ca	.3	0	27.85	-	-	46	-18.15
11	2.44388	35.18	Qp	.2	.1	35.48	56	-20.52	-	-
12	2.44838	28.41	Ca	.2	.1	28.71	-	-	46	-17.29

Ca - CISPR average detection
Qp - Quasi-Peak detector

11. DYNAMIC FREQUENCY SELECTION

11.1. OVERVIEW

11.1.1. LIMITS

INDUSTRY CANADA

IC RSS-247 is closely harmonized with FCC Part 15 DFS rules. The deviations are as follows:

RSS-247 Issue 1

Note: For the band 5600–5650 MHz, no operation is permitted.

Until further notice, devices subject to this annex shall not be capable of transmitting in the band 5600–5650 MHz. This restriction is for the protection of Environment Canada weather radars operating in this band.

FCC

§15.407 (h), FCC KDB 905462 D02 “COMPLIANCE MEASUREMENT PROCEDURES FOR UNLICENSED-NATIONAL INFORMATION INFRASTRUCTURE DEVICES OPERATING IN THE 5250-5350 MHz AND 5470-5725 MHz BANDS INCORPORATING DYNAMIC FREQUENCY SELECTION” and KDB 905462 D03 “U-NII CLIENT DEVICES WITHOUT RADAR DETECTION CAPABILITY”.

Table 1: Applicability of DFS requirements prior to use of a channel

Requirement	Operational Mode		
	Master	Client (without radar detection)	Client (with radar detection)
Non-Occupancy Period	Yes	Not required	Yes
DFS Detection Threshold	Yes	Not required	Yes
Channel Availability Check Time	Yes	Not required	Not required
U-NII Detection Bandwidth	Yes	Not required	Yes

Table 2: Applicability of DFS requirements during normal operation

Requirement	Operational Mode		
	Master	Client (without DFS)	Client (with DFS)
DFS Detection Threshold	Yes	Not required	Yes
Channel Closing Transmission Time	Yes	Yes	Yes
Channel Move Time	Yes	Yes	Yes
U-NII Detection Bandwidth	Yes	Not required	Yes

Additional requirements for devices with multiple bandwidth modes	Master Device or Client with Radar DFS	Client (without DFS)
<i>U-NII Detection Bandwidth and Statistical Performance Check</i>	All BW modes must be tested	Not required
<i>Channel Move Time and Channel Closing Transmission Time</i>	Test using widest BW mode available	Test using the widest BW mode available for the link
<i>All other tests</i>	Any single BW mode	Not required
Note: Frequencies selected for statistical performance check (Section 7.8.4) should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in all 20 MHz channel blocks and a null frequency between the bonded 20 MHz channel blocks.		

Table 3: Interference Threshold values, Master or Client incorporating In-Service Monitoring

Maximum Transmit Power	Value (see notes)
E.I.R.P. $\geq$ 200 mill watt	-64 dBm
E.I.R.P. < 200 mill watt and power spectral density < 10 dBm/MHz	-62 dBm
E.I.R.P. < 200 mill watt that do not meet power spectral density requirement	-64 dBm
Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response. Note 3: E.I.R.P. is based on the highest antenna gain. For MIMO devices refer to KDB publication 662911 D01.	

Table 4: DFS Response requirement values

Parameter	Value
<i>Non-occupancy period</i>	30 minutes
<i>Channel Availability Check Time</i>	60 seconds
<i>Channel Move Time</i>	10 seconds (See Note 1)
<i>Channel Closing Transmission Time</i>	200 milliseconds + approx. 60 milliseconds over remaining 10 second period. (See Notes 1 and 2)
<i>U-NII Detection Bandwidth</i>	Minimum 100% of the U-NII 99% transmission power bandwidth. (See Note 3)
Note 1: <i>Channel Move Time</i> and the <i>Channel Closing Transmission Time</i> should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst. Note 2: The <i>Channel Closing Transmission Time</i> is comprised of 200 milliseconds starting at the beginning of the <i>Channel Move Time</i> plus any additional intermittent control signals required to facilitate a <i>Channel</i> move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions. Note 3: During the <i>U-NII Detection Bandwidth</i> detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.	

Table 5 – Short Pulse Radar Test Waveforms

Radar Type	Pulse Width (usec)	PRI (usec)	Pulses	Minimum Percentage of Successful Detection	Minimum Trials
0	1	1428	18	See Note 1	See Note 1
1	1	Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in table 5a	Roundup: $\{(1/360) \times (19 \times 10^6 \text{ PRI}_{\text{usec}})\}$	60%	30
		Test B: 15 unique PRI values randomly selected within the range of 518-3066 usec. With a minimum increment of 1 usec, excluding PRI values selected in Test A			
2	1-5	150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	11-20	200-500	12-16	60%	30
Aggregate (Radar Types 1-4)				80%	120
Note 1: Short Pulse Radar Type 0 should be used for the <i>Detection Bandwidth</i> test, <i>Channel Move Time</i> , and <i>Channel Closing Time</i> tests.					

Table 6 – Long Pulse Radar Test Signal

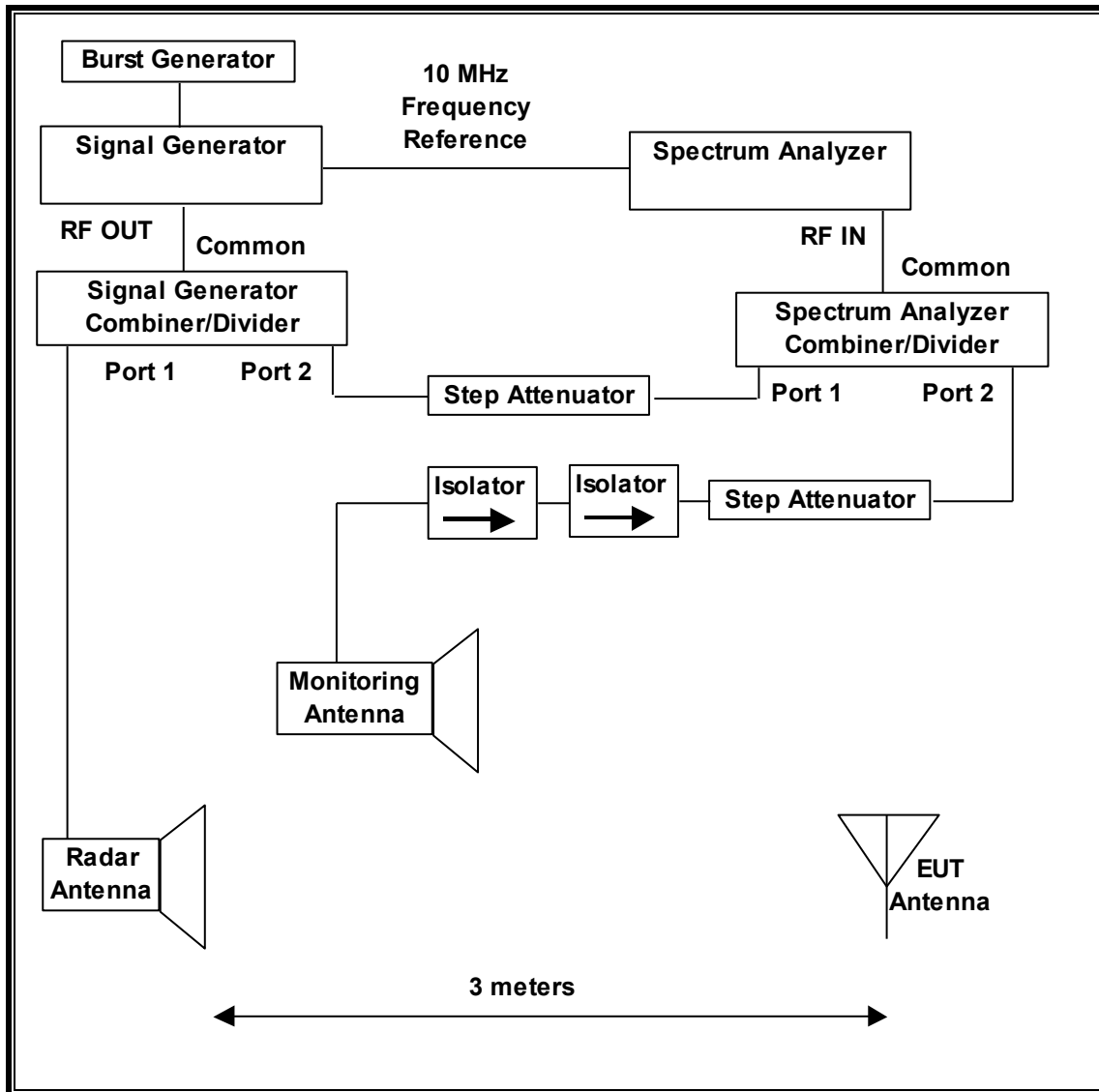
Radar Waveform Type	Pulse Width (μsec)	Chirp Width (MHz)	PRI (μsec)	Pulses per Burst	Number of Bursts	Minimum Percentage of Successful Detection	Minimum Trials
5	50-100	5-20	1000-2000	1-3	8-20	80%	30

Table 7 – Frequency Hopping Radar Test Signal

Radar Waveform Type	Pulse Width (μsec)	PRI (μsec)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (msec)	Minimum Percentage of Successful Detection	Minimum Trials
6	1	333	9	0.333	300	70%	30

11.1.2. TEST AND MEASUREMENT SYSTEM

RADIATED METHOD SYSTEM BLOCK DIAGRAM



SYSTEM OVERVIEW

The short pulse and long pulse signal generating system utilizes the NTIA software. The Vector Signal Generator has been validated by the NTIA. The hopping signal generating system utilizes the CCS simulated hopping method and system, which has been validated by the DoD, FCC and NTIA. The software selects waveform parameters from within the bounds of the signal type on a random basis using uniform distribution.

The short pulse types 1, 2, 3 and 4, and the long pulse type 5 parameters are randomized at run-time.

The hopping type 6 pulse parameters are fixed while the hopping sequence is based on the August 2005 NTIA Hopping Frequency List. The initial starting point randomized at run-time and each subsequent starting point is incremented by 475. Each frequency in the 100-length segment is compared to the boundaries of the EUT Detection Bandwidth and the software creates a hopping burst pattern in accordance with Section 7.4.1.3 Method #2 Simulated Frequency Hopping Radar Waveform Generating Subsystem of KDB 905462 D02. The frequency of the signal generator is incremented in 1 MHz steps from F_L to F_H for each successive trial. This incremental sequence is repeated as required to generate a minimum of 30 total trials and to maintain a uniform frequency distribution over the entire Detection Bandwidth.

The signal monitoring equipment consists of a spectrum analyzer. The aggregate ON time is calculated by multiplying the number of bins above a threshold during a particular observation period by the dwell time per bin, with the analyzer set to peak detection and max hold.

SYSTEM CALIBRATION

A 50-ohm load is connected in place of the spectrum analyzer, and the spectrum analyzer is connected to a horn antenna via a coaxial cable, with the reference level offset set to (horn antenna gain – coaxial cable loss). The signal generator is set to CW mode. The amplitude of the signal generator is adjusted to yield a level of –64 dBm as measured on the spectrum analyzer.

Without changing any of the instrument settings, the spectrum analyzer is reconnected to the Common port of the Spectrum Analyzer Combiner/Divider. The Reference Level Offset of the spectrum analyzer is adjusted so that the displayed amplitude of the signal is –64 dBm.

The spectrum analyzer displays the level of the signal generator as received at the antenna ports of the Master Device. The interference detection threshold may be varied from the calibrated value of –64 dBm and the spectrum analyzer will still indicate the level as received by the Master Device.

ADJUSTMENT OF DISPLAYED TRAFFIC LEVEL

A link is established between the Master and Slave and the distance between the units is adjusted as needed to provide a suitable received level at the Master and Slave devices. The video test file is streamed to generate WLAN traffic. The monitoring antenna is adjusted so that the WLAN traffic level, as displayed on the spectrum analyzer, is at lower amplitude than the radar detection threshold.

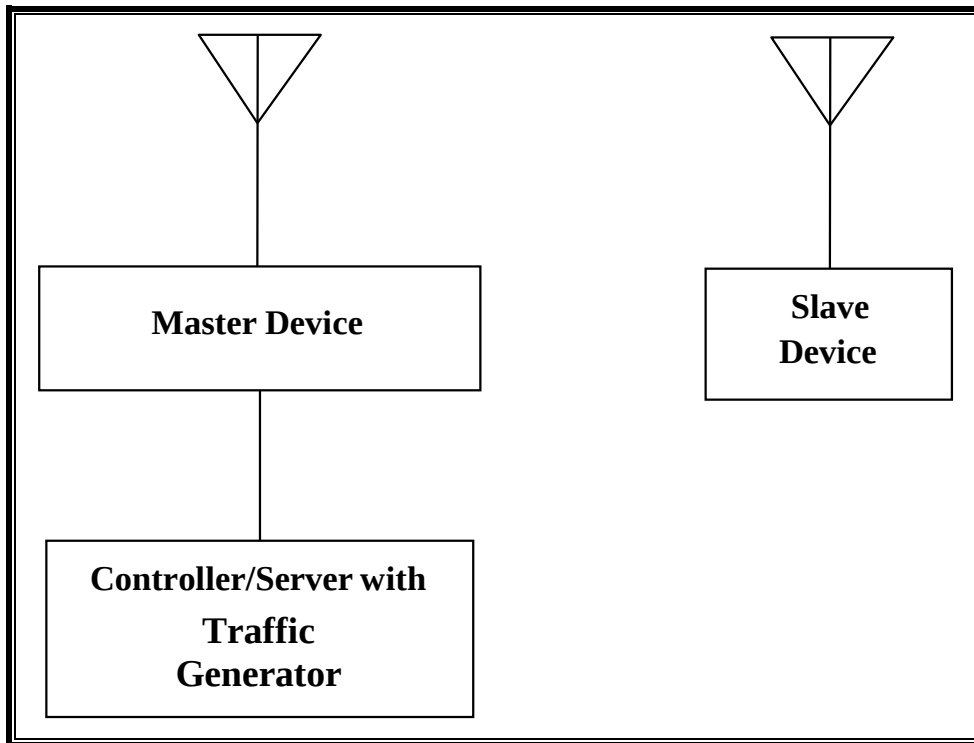
TEST AND MEASUREMENT EQUIPMENT

The following test and measurement equipment was utilized for the DFS tests documented in this report:

TEST EQUIPMENT LIST				
Description	Manufacturer	Model	Serial Number	Cal Due
Spectrum Analyzer, PXA, 3Hz to 44GHz	Keysight	N9030A	US51350187	06/01/16
Signal Generator, MXG X-Series RF Vector	Agilent	N5172B	MY51350337	02/17/16

11.1.3. SETUP OF EUT

RADIATED METHOD EUT TEST SETUP



SUPPORT EQUIPMENT

The following support equipment was utilized for the DFS tests documented in this report:

PERIPHERAL SUPPORT EQUIPMENT LIST				
Description	Manufacturer	Model	Serial Number	FCC ID
AC Adapter (EUT)	Google	S005BBU0500100	No Serial Number	DoC
802.11ac Dual Band Wireless Access Point (Master Device)	Cisco	AIR-CAP3702E-A-K9	FTX181570A6	LDK102087
P.O.E. Injector (AP)	Phihong	POE30U-560(G)	PHI170102N2	DoC
Notebook PC (Controller/Server)	Lenovo	Type 4236-B92	PB-HEX04 12/05	DoC
AC Adapter (Controller/Server PC)	Lenovo	42T4418	11S42T4418Z1ZG WG08R90M	DoC

11.1.4. DESCRIPTION OF EUT

For FCC the EUT operates over the 5250-5350 MHz and 5470-5725 MHz ranges.

For IC the EUT operates over the 5250-5350 MHz and 5470-5725 MHz ranges, excluding the 5600-5650 MHz range.

The EUT is a Slave Device without Radar Detection.

The highest power level within these bands is 14.96 dBm EIRP in the 5250-5350 MHz band and 15.55 dBm EIRP in the 5470-5725 MHz band.

The only antenna assembly utilized with the EUT has a gain of 1.7 dBi.

The rated output power of the Master unit is $> 23\text{dBm}$ (EIRP). Therefore the required interference threshold level is -64 dBm . After correction for procedural adjustments, the required radiated threshold at the antenna port is $-64 + 1 = -63\text{ dBm}$.

The calibrated radiated DFS Detection Threshold level is set to -64 dBm . The tested level is lower than the required level hence it provides a margin to the limit.

The EUT uses one transmitter/receiver chain connected to an antenna to perform radiated tests.

WLAN traffic that meets or exceeds the minimum required loading was generated by transferring a data stream from the controller/server PC to the EUT using iPerf version 2.0.5 software package.

TPC is not required since the maximum EIRP is less than 500 mW (27 dBm).

The EUT utilizes the 802.11ac architecture. Three nominal channel bandwidths are implemented: 20 MHz, 40 MHz and 80 MHz. Therefore, pursuant to FCC KDB Publication 905462 D3, "Client devices with 80 MHz BW mode can be tested with an approved master operating in 40 MHz BW mode". Therefore, 80MHz BW DFS testing was not performed and has been excluded from this report.

The software installed in the EUT is revision 15.2.7.09.

The software installed in the access point is revision AP3G2-K9W7-M Version 15.2(4)JB4.

UNIFORM CHANNEL SPREADING

This is requirement not applicable to Slave Devices.

OVERVIEW OF MASTER DEVICE WITH RESPECT TO §15.407 (h) REQUIREMENTS

The Master Device is a Cisco Access Point, FCC ID:LDK102087. The minimum antenna gain for the Master Device is 6 dBi.

The rated output power of the Master unit is $> 23\text{dBm}$ (EIRP). Therefore the required interference threshold level is -64 dBm . After correction for procedural adjustments, the required radiated threshold at the antenna port is $-64 + 1 = -63\text{ dBm}$.

The calibrated radiated DFS Detection Threshold level is set to -64 dBm . The tested level is lower than the required level hence it provides a margin to the limit.

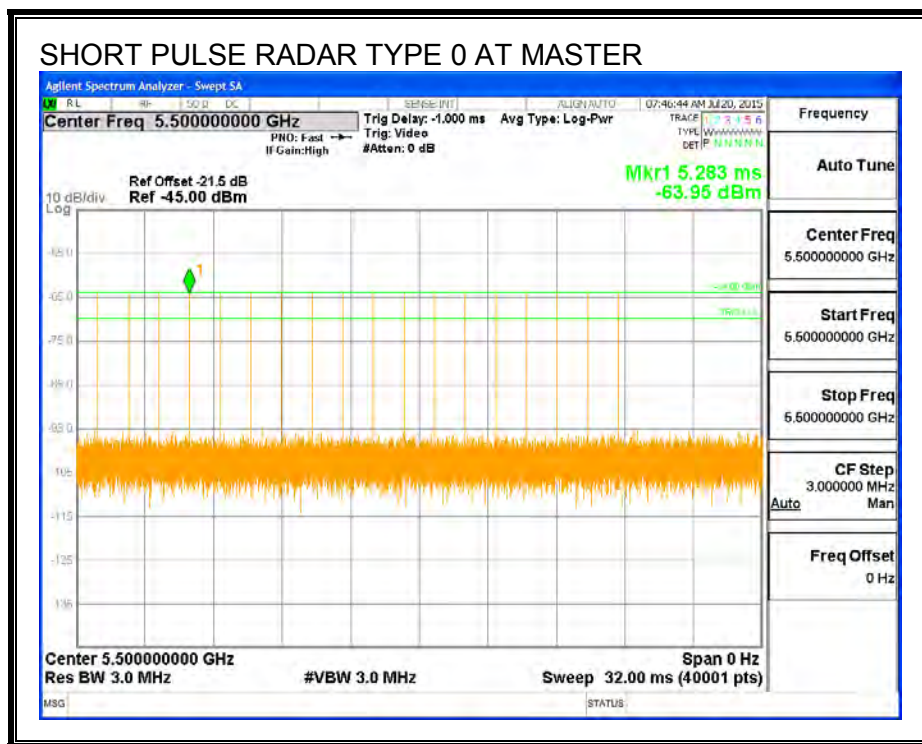
11.2. RESULTS FOR 20 MHz BANDWIDTH

11.2.1. TEST CHANNEL

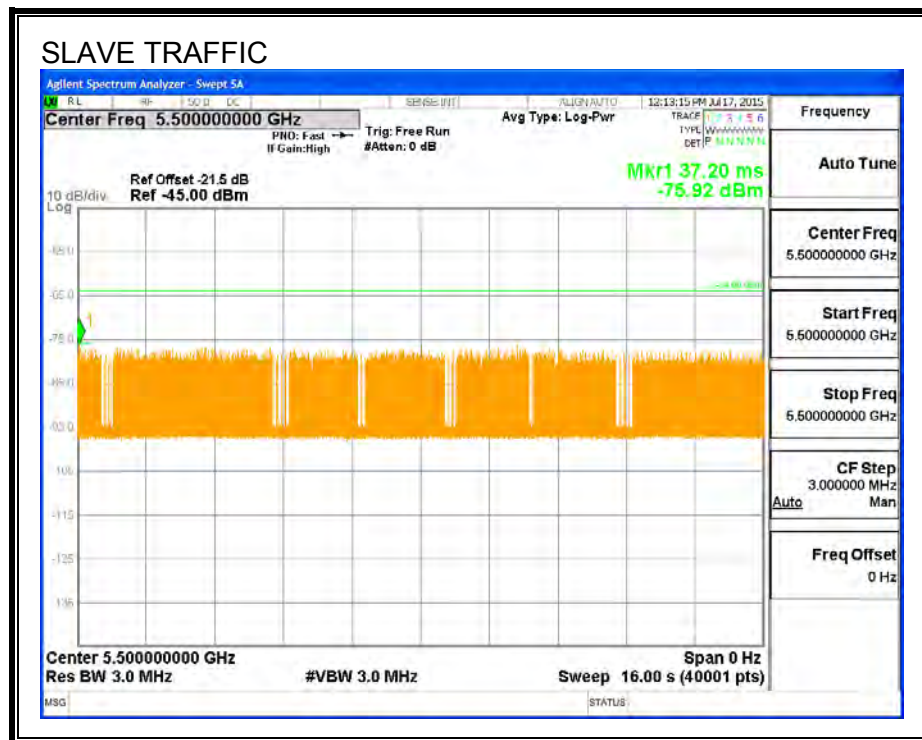
All tests were performed at a channel center frequency of 5500 MHz.

11.2.2. RADAR WAVEFORM AND TRAFFIC

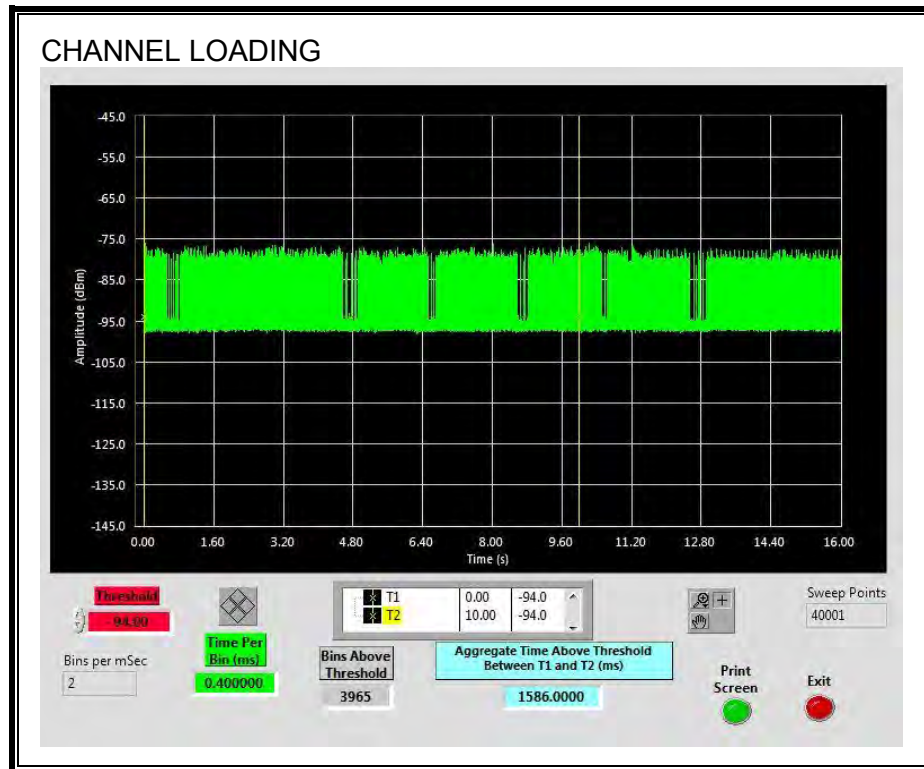
RADAR WAVEFORM



TRAFFIC



CHANNEL LOADING



The level of traffic loading on the channel by the EUT is 15.86%

11.2.3. OVERLAPPING CHANNEL TESTS

RESULTS

These tests are not applicable.

11.2.4. MOVE AND CLOSING TIME

REPORTING NOTES

The reference marker is set at the end of last radar pulse.

The delta marker is set at the end of the last WLAN transmission following the radar pulse. This delta is the channel move time.

The aggregate channel closing transmission time is calculated as follows:

Aggregate Transmission Time =
(Number of analyzer bins showing transmission) * (dwell time per bin)

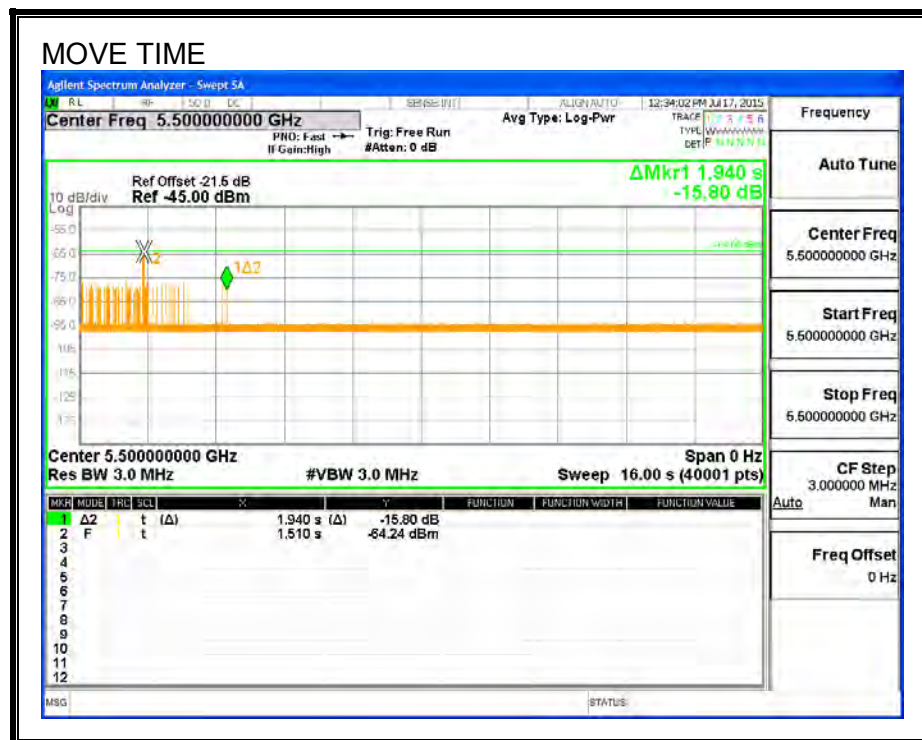
The observation period over which the aggregate time is calculated begins at (Reference Marker + 200 msec) and ends no earlier than (Reference Marker + 10 sec).

RESULTS

Channel Move Time (sec)	Limit (sec)
1.940	10

Aggregate Channel Closing Transmission Time (msec)	Limit (msec)
8.0	60

MOVE TIME

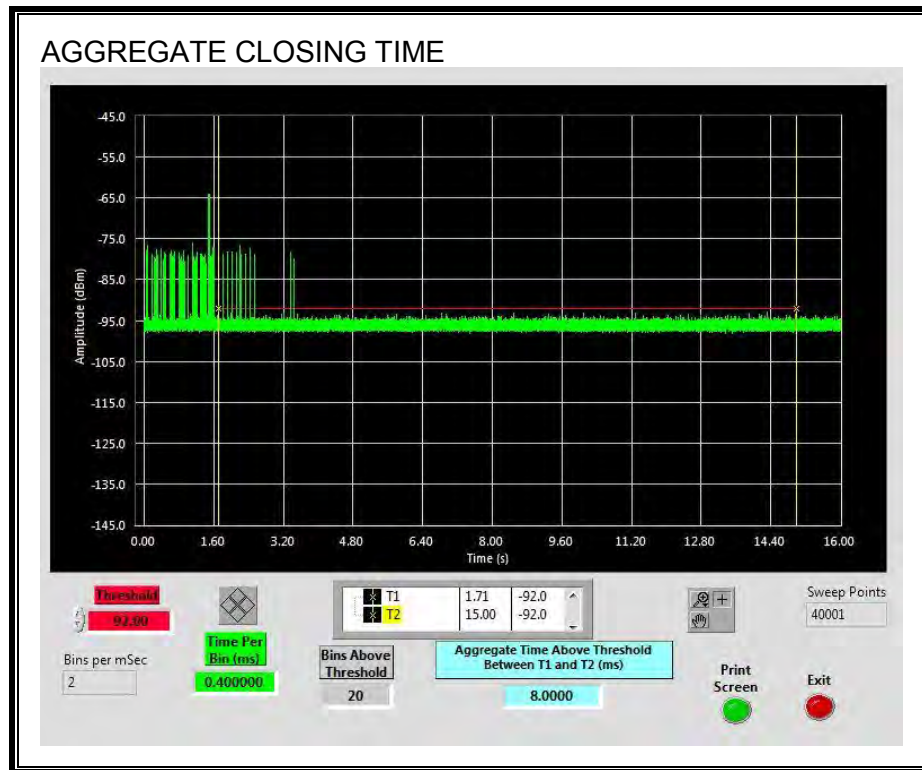


CHANNEL CLOSING TIME



AGGREGATE CHANNEL CLOSING TRANSMISSION TIME

Only intermittent transmissions are observed during the aggregate monitoring period.



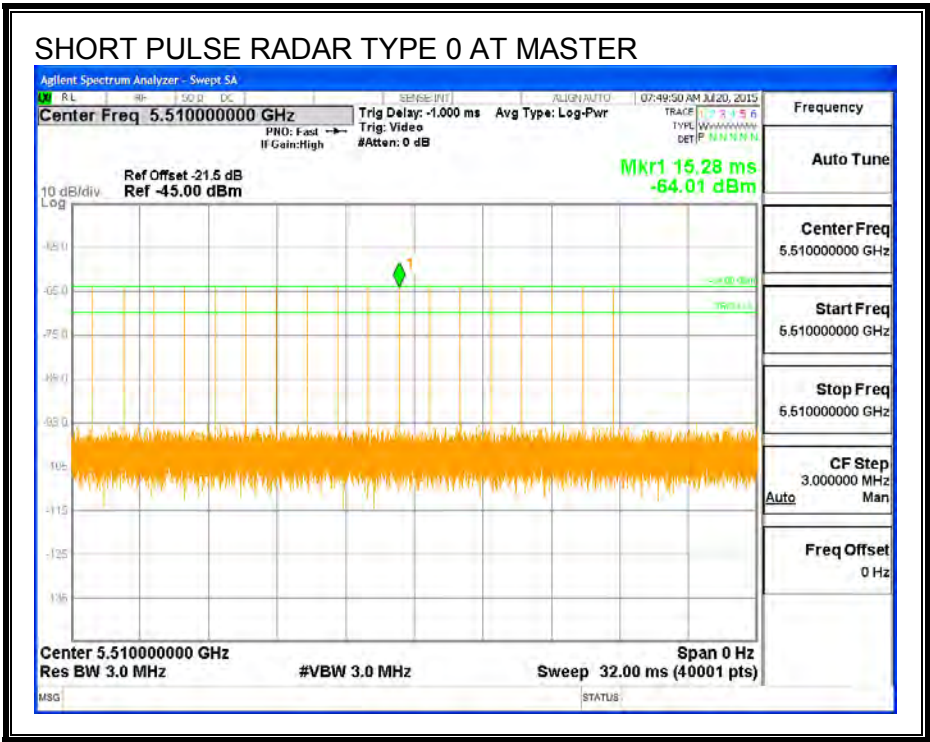
11.3. RESULTS FOR 40 MHz BANDWIDTH

11.3.1. TEST CHANNEL

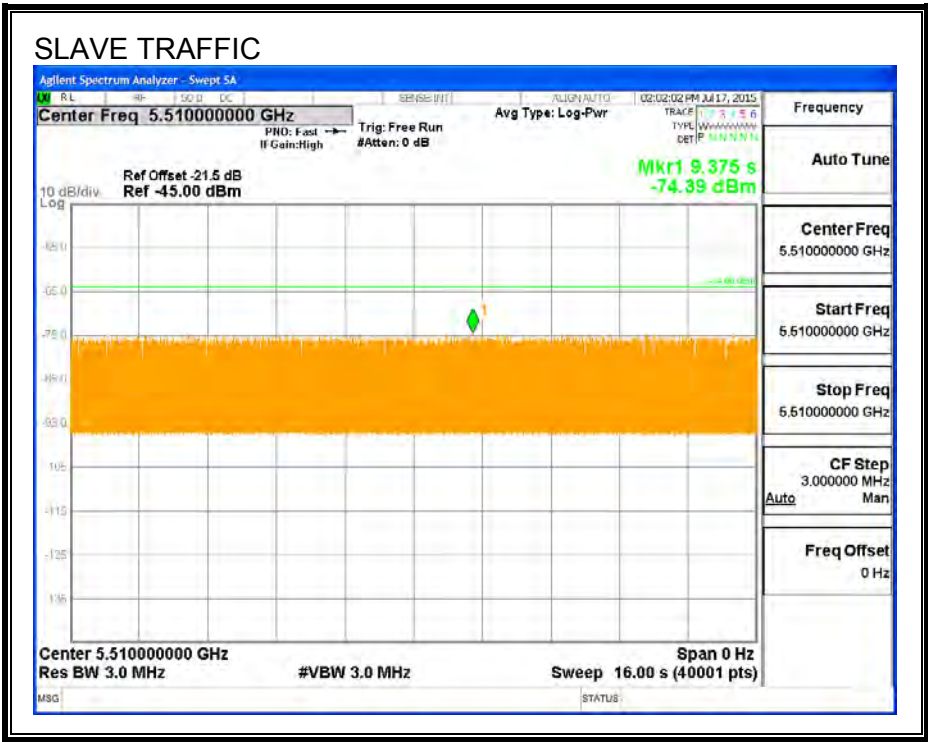
All tests were performed at a channel center frequency of 5510 MHz.

11.3.2. RADAR WAVEFORM AND TRAFFIC

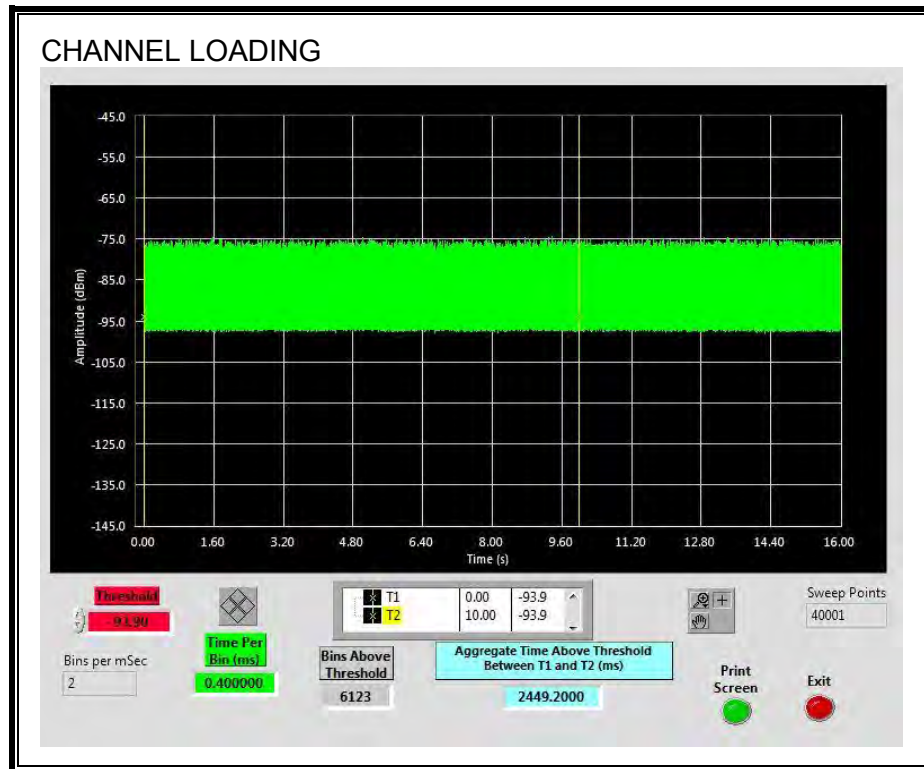
RADAR WAVEFORM



TRAFFIC



CHANNEL LOADING



The level of traffic loading on the channel by the EUT is 24.49%

11.3.3. OVERLAPPING CHANNEL TESTS

RESULTS

These tests are not applicable.

11.3.4. MOVE AND CLOSING TIME

REPORTING NOTES

The reference marker is set at the end of last radar pulse.

The delta marker is set at the end of the last WLAN transmission following the radar pulse. This delta is the channel move time.

The aggregate channel closing transmission time is calculated as follows:

Aggregate Transmission Time =
(Number of analyzer bins showing transmission) * (dwell time per bin)

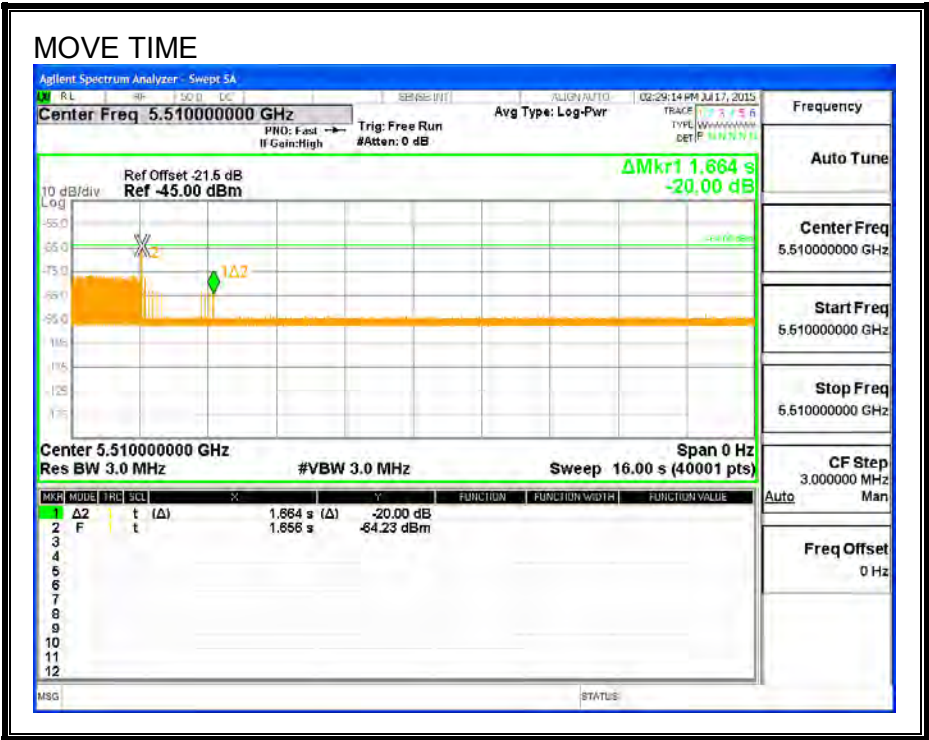
The observation period over which the aggregate time is calculated begins at (Reference Marker + 200 msec) and ends no earlier than (Reference Marker + 10 sec).

RESULTS

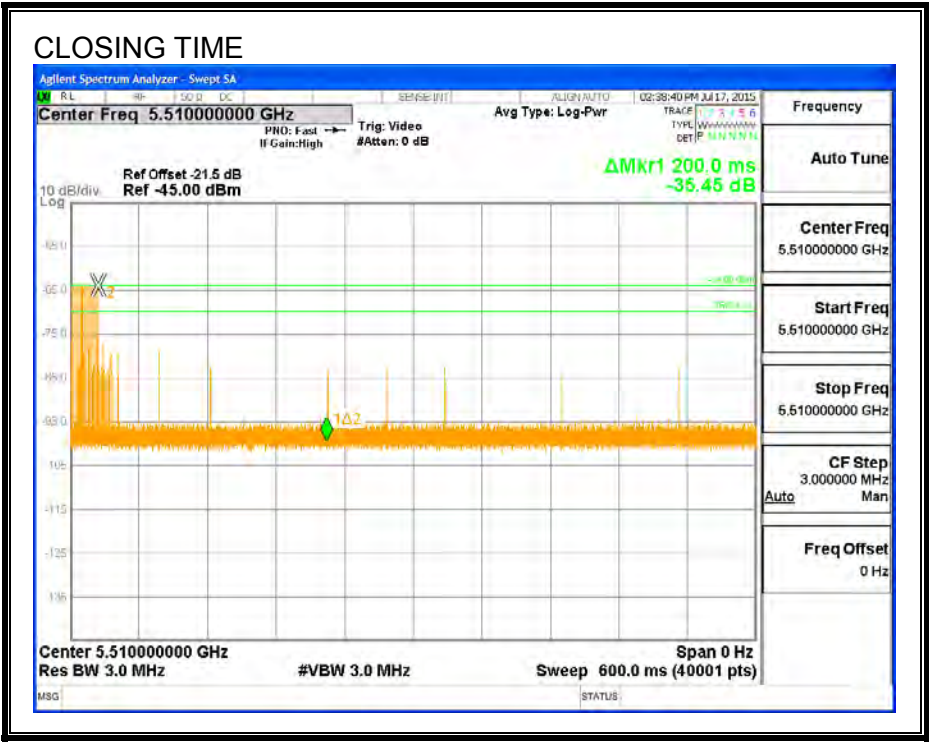
Channel Move Time (sec)	Limit (sec)
1.664	10

Aggregate Channel Closing Transmission Time (msec)	Limit (msec)
5.2	60

MOVE TIME

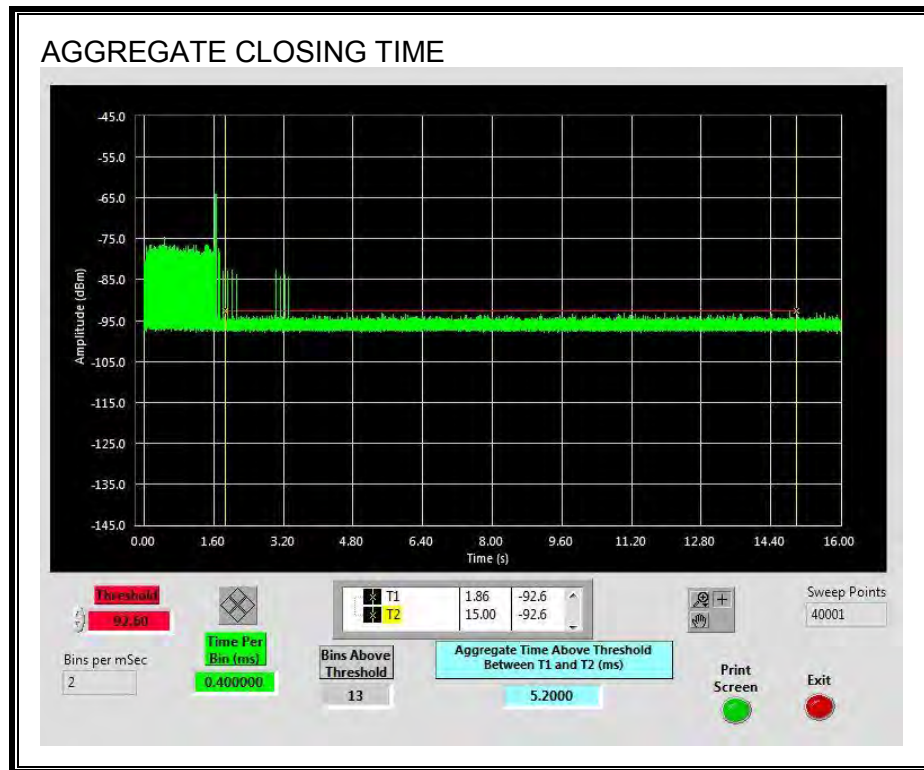


CHANNEL CLOSING TIME



AGGREGATE CHANNEL CLOSING TRANSMISSION TIME

Only intermittent transmissions are observed during the aggregate monitoring period.



11.3.5. 10-MINUTE BEACON MONITORING PERIOD

RESULTS

No EUT transmissions were observed on the test channel during the 10-minute observation time.

