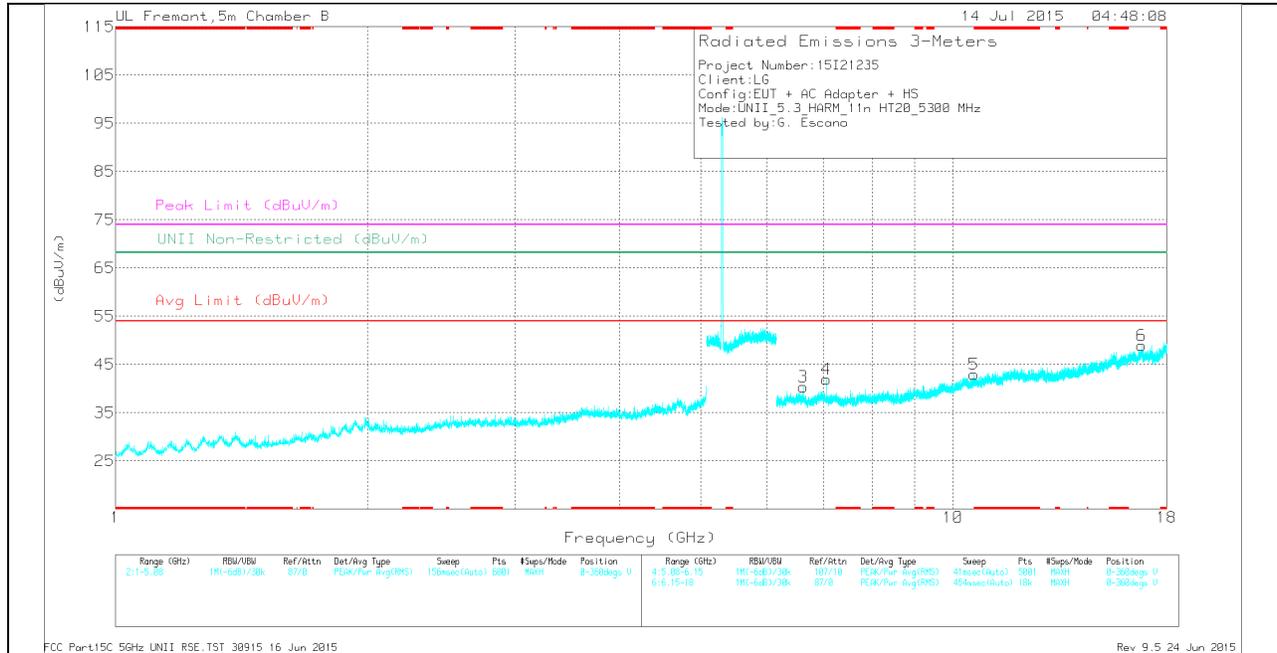


MID CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

TRACE MARKERS

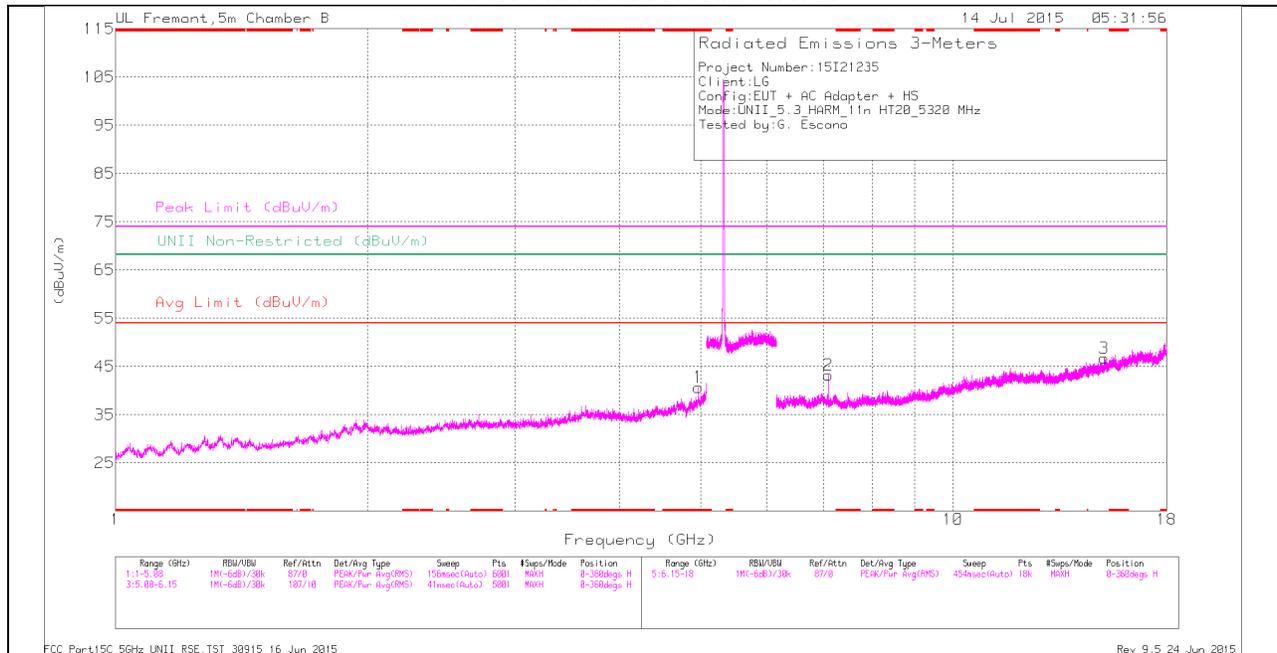
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.964	32.77	Pk	34.1	-27.4	0	39.47	-	-	74	-34.53	-	-	0-360	101	H
5	* 10.6	27.12	Pk	37.6	-21.8	0	42.92	-	-	74	-31.08	-	-	0-360	101	V
3	6.631	31.8	Pk	35.9	-27.3	0	40.4	-	-	-	-	68.2	-27.8	0-360	101	V
4	7.066	33.87	Pk	35.8	-27.7	0	41.97	-	-	-	-	68.2	-26.23	0-360	101	V
2	7.067	35.41	Pk	35.8	-27.7	0	43.51	-	-	-	-	68.2	-24.69	0-360	101	H
6	16.812	25.32	Pk	41.8	-18.2	0	48.92	-	-	-	-	68.2	-19.28	0-360	101	V

PK - Peak detector

RADIATED EMISSIONS

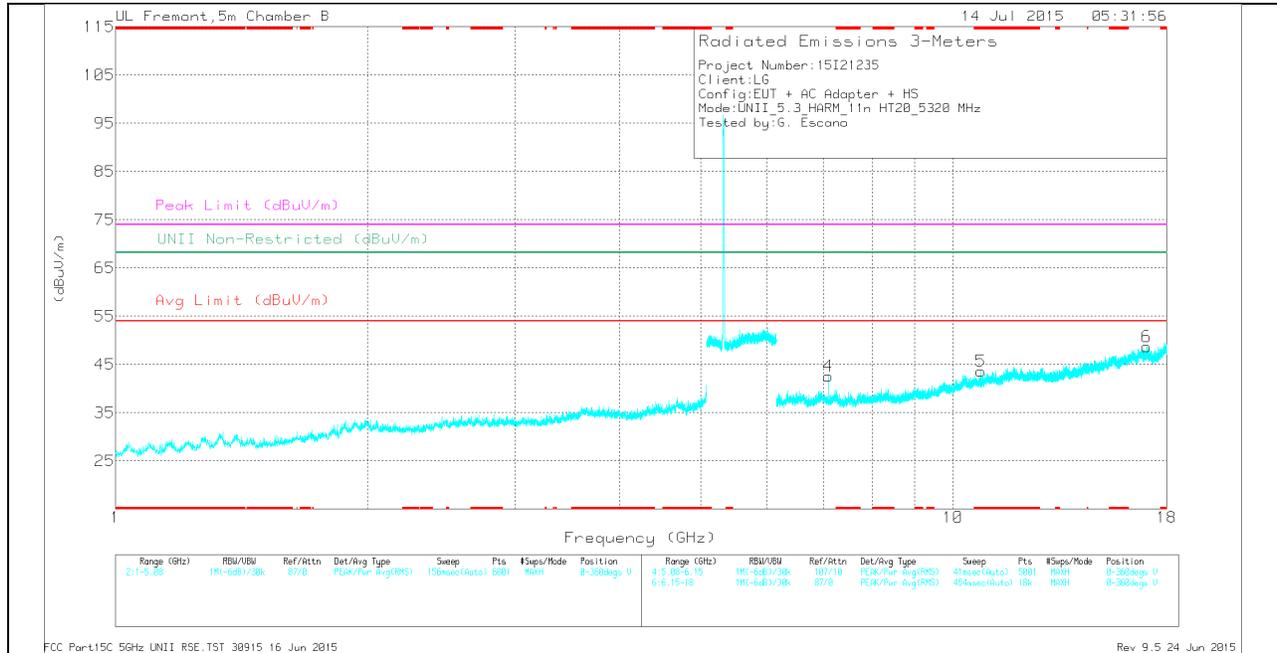
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.963	41.15	PK-U	34.1	-27.5	0	47.75	-	-	74	-26.25	-	-	15	105	H
* 4.964	28.85	ADR	34.1	-27.4	0	35.55	54	-18.45	-	-	-	-	15	105	H
6.632	38.12	PK-U	35.9	-27.3	0	46.72	-	-	-	-	68.2	-21.48	157	114	V
7.067	41.55	PK-U	35.8	-27.7	0	49.65	-	-	-	-	68.2	-18.55	9	102	H
7.067	41.07	PK-U	35.8	-27.7	0	49.17	-	-	-	-	68.2	-19.03	164	105	V
10.599	35.1	PK-U	37.6	-21.8	0	50.9	-	-	-	-	68.2	-17.3	201	102	V
16.812	32.11	PK-U	41.8	-18.2	0	55.71	-	-	-	-	68.2	-12.49	316	130	V

HIGH CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.968	33.9	Pk	34.1	-27.3	0	40.7	-	-	74	-33.3	-	-	0-360	101	H
5	* 10.794	28.08	Pk	37.7	-22.2	0	43.58	-	-	74	-30.42	-	-	0-360	199	V
2	7.093	35.68	Pk	35.6	-28	0	43.28	-	-	-	-	68.2	-24.92	0-360	101	H
4	7.093	35.04	Pk	35.6	-28	0	42.64	-	-	-	-	68.2	-25.56	0-360	101	V
3	15.149	26.54	Pk	40.4	-20.2	0	46.74	-	-	-	-	68.2	-21.46	0-360	101	H
6	17.02	25.83	Pk	41.6	-18.8	0	48.63	-	-	-	-	68.2	-19.57	0-360	101	V

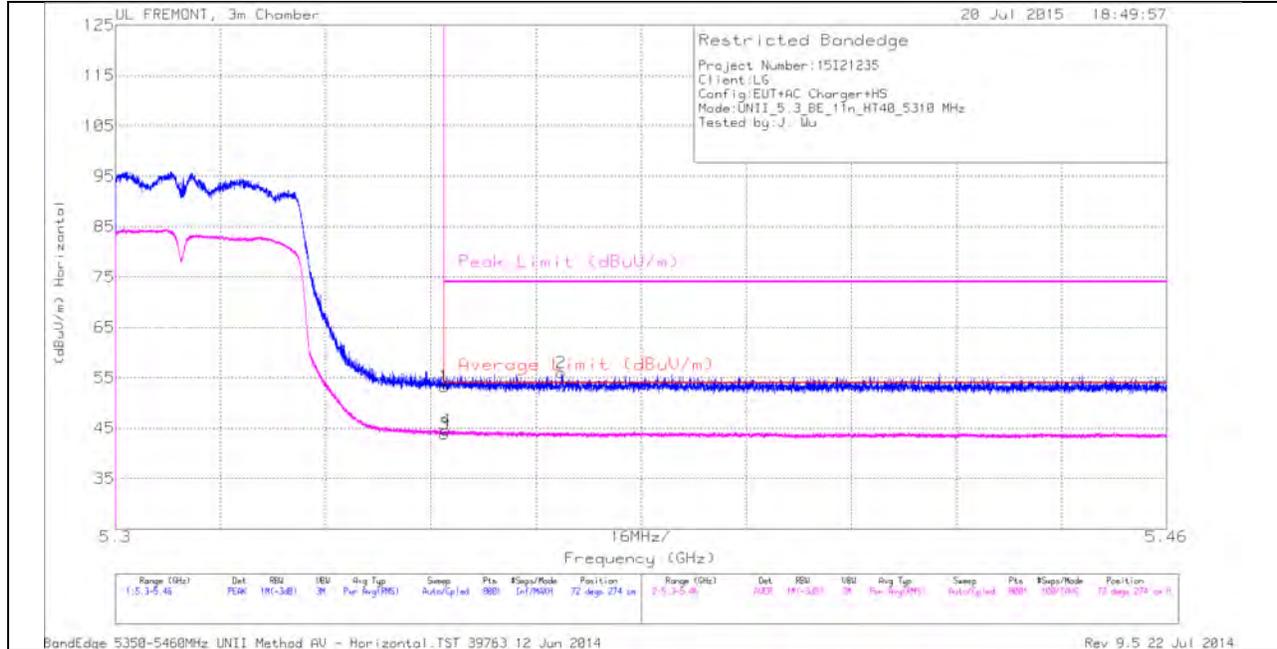
PK - Peak detector

RADIATED EMISSIONS

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.968	42.28	PK-U	34.1	-27.3	0	49.08	-	-	74	-24.92	-	-	357	136	H
* 4.968	30.77	ADR	34.1	-27.3	0	37.57	54	-16.43	-	-	-	-	357	136	H
* 10.793	35.31	PK-U	37.7	-22.2	0	50.81	-	-	74	-23.19	-	-	112	168	V
* 10.794	23.35	ADR	37.7	-22.2	0	38.85	54	-15.15	-	-	-	-	112	168	V
7.093	41.74	PK-U	35.6	-28	0	49.34	-	-	-	-	68.2	-18.86	147	109	H
7.093	41.91	PK-U	35.6	-28	0	49.51	-	-	-	-	68.2	-18.69	165	103	V
15.148	32.65	PK-U	40.4	-20.2	0	52.85	-	-	-	-	68.2	-15.35	110	164	H
17.019	32.79	PK-U	41.6	-18.8	0	55.59	-	-	-	-	68.2	-12.61	22	121	V

**11.1.3. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.3 GHz BAND
 AUTHORIZED BANDEDGE (HIGH CHANNEL)**

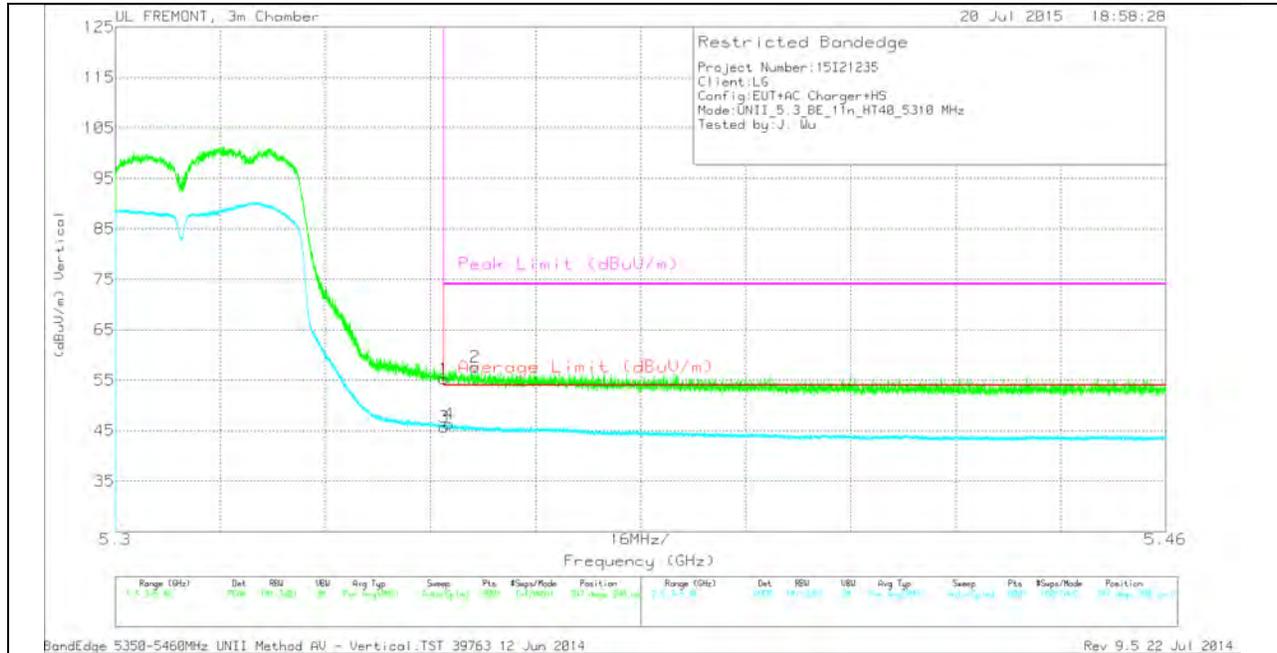
HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/Filter/Pad (dB)	DC Corr (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	39.27	PK	34.5	-20.5	0	53.27	-	-	74	-20.73	72	274	H
3	5.35	29.85	RMS	34.5	-20.5	0	43.85	54	-10.15	-	-	72	274	H
4	5.35	30.62	RMS	34.5	-20.5	0	44.62	54	-9.38	-	-	72	274	H
2	5.368	42.18	PK	34.5	-20.7	0	55.98	-	-	74	-18.02	72	274	H

VERTICAL PEAK AND AVERAGE PLOT

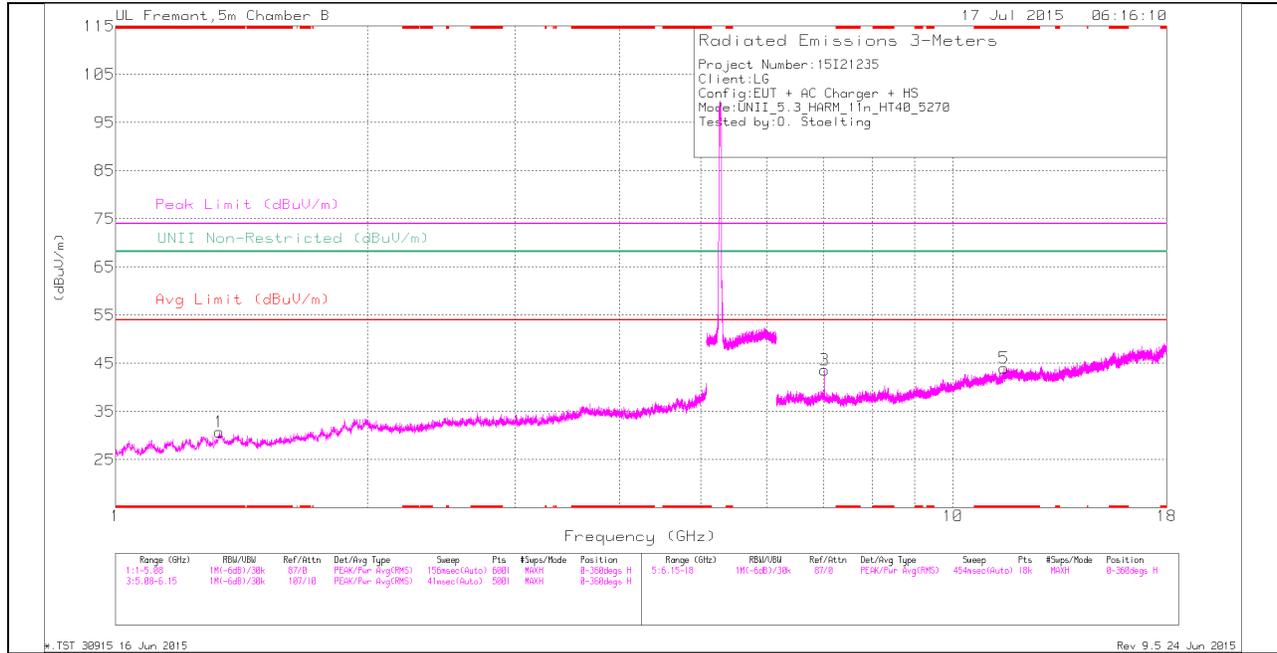


VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	DC Corr (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	41.29	PK	34.5	-20.5	0	55.29	-	-	74	-18.71	347	390	V
3	5.35	31.73	RMS	34.5	-20.5	0	45.73	54	-8.27	-	-	347	390	V
4	5.351	32.28	RMS	34.5	-20.5	0	46.28	54	-7.72	-	-	347	390	V
2	5.355	43.67	PK	34.5	-20.6	0	57.57	-	-	74	-16.43	347	390	V

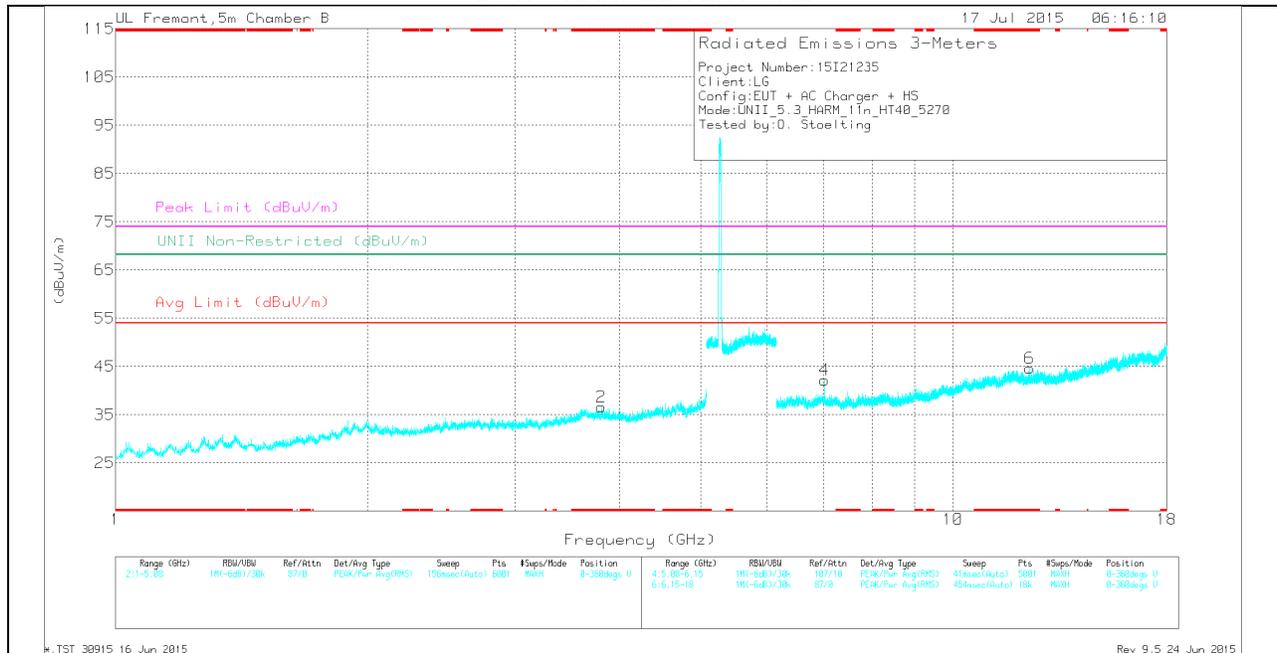
HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

TRACE MARKERS

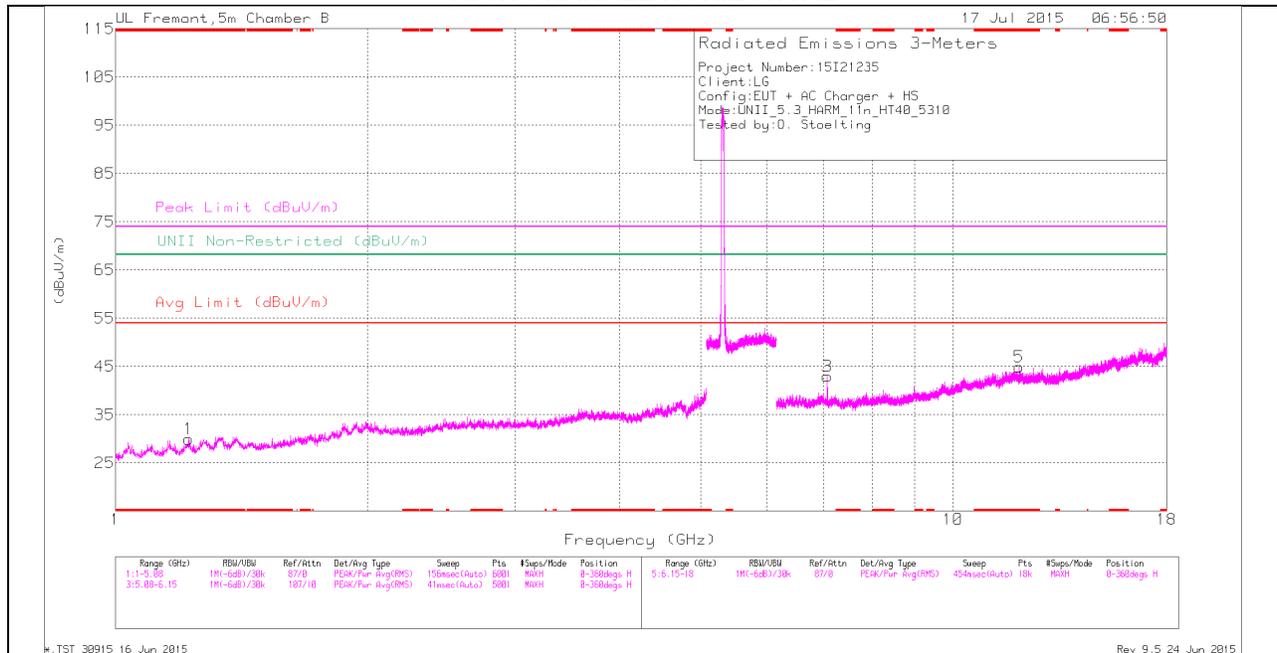
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.331	34.5	Pk	29.4	-33.1	0	30.8	-	-	74	-43.2	-	-	0-360	101	H
2	* 3.804	33.27	Pk	33.3	-29.9	0	36.67	-	-	74	-37.33	-	-	0-360	199	V
5	* 11.505	27.2	Pk	38.3	-21.5	0	44	-	-	74	-30	-	-	0-360	101	H
6	* 12.349	27.66	Pk	38.6	-21.6	0	44.66	-	-	74	-29.34	-	-	0-360	101	V
3	7.027	35.03	Pk	35.9	-27.3	0	43.63	-	-	-	-	68.2	-24.57	0-360	101	H
4	7.027	33.59	Pk	35.9	-27.3	0	42.19	-	-	-	-	68.2	-26.01	0-360	101	V

PK - Peak detector

RADIATED EMISSIONS

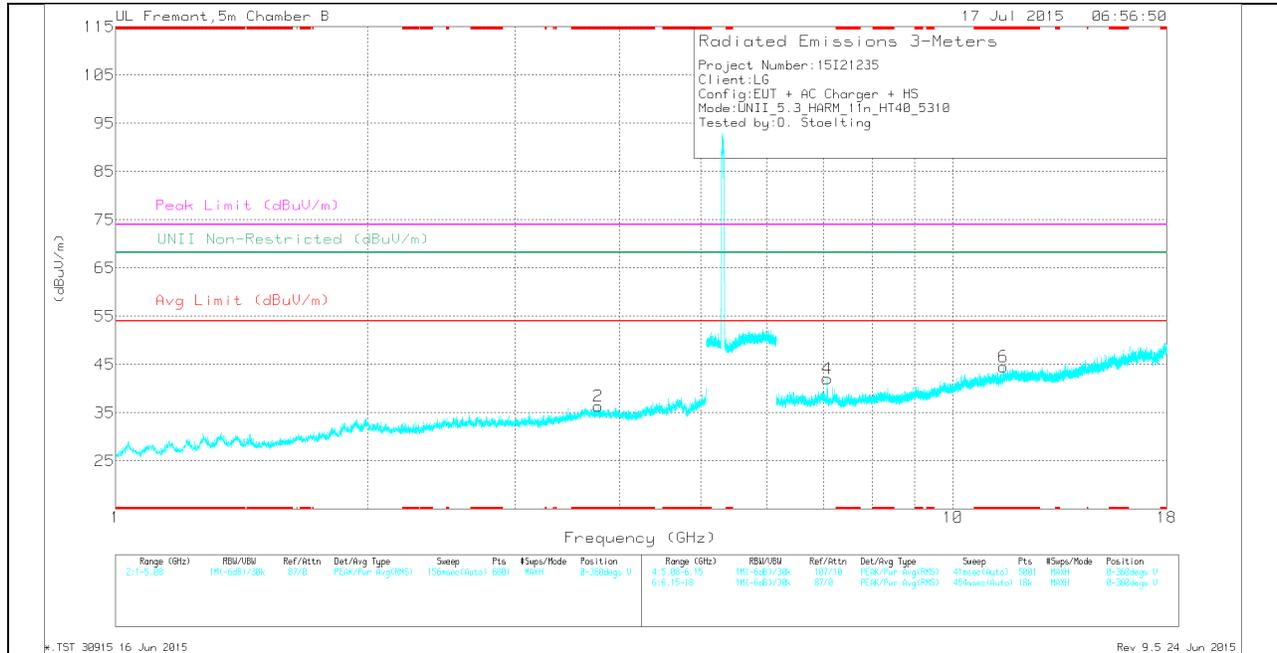
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.33	42.8	PK-U	29.4	-33.1	0	39.1	-	-	74	-34.9	-	-	360	101	H
* 1.33	30.97	ADR	29.4	-33.1	0	27.27	54	-26.73	-	-	-	-	360	101	H
* 3.804	39.87	PK-U	33.3	-29.9	0	43.27	-	-	74	-30.73	-	-	360	199	V
* 3.806	29.24	ADR	33.3	-29.9	0	32.64	54	-21.36	-	-	-	-	360	199	V
* 11.503	33.82	PK-U	38.3	-21.5	0	50.62	-	-	74	-23.38	-	-	43	299	H
* 11.504	22.68	ADR	38.3	-21.5	0	39.48	54	-14.52	-	-	-	-	43	299	H
* 12.347	34.41	PK-U	38.6	-21.6	0	51.41	-	-	74	-22.59	-	-	342	102	V
* 12.348	23.23	ADR	38.6	-21.6	0	40.23	54	-13.77	-	-	-	-	342	102	V
7.027	41.18	PK-U	35.9	-27.3	0	49.78	-	-	-	-	68.2	-18.42	325	102	H
7.027	33.89	ADR	35.9	-27.3	0	42.49	-	-	-	-	-	-	325	102	H
7.027	40.88	PK-U	35.9	-27.3	0	49.48	-	-	-	-	68.2	-18.72	325	354	H
7.027	33.07	ADR	35.9	-27.3	0	41.67	-	-	-	-	-	-	325	354	H
7.027	41.39	PK-U	35.9	-27.3	0	49.99	-	-	-	-	68.2	-18.21	342	117	V
7.027	32.68	ADR	35.9	-27.3	0	41.28	-	-	-	-	-	-	342	117	V

HIGH CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.223	34.93	Pk	28.7	-33.7	0	29.93	-	-	74	-44.07	-	-	0-360	199	H
2	* 3.769	33.1	Pk	33.4	-30.2	0	36.3	-	-	74	-37.7	-	-	0-360	200	V
5	* 12.001	27.83	Pk	38.6	-21.5	0	44.93	-	-	74	-29.07	-	-	0-360	101	H
6	* 11.488	27.3	Pk	38.2	-21	0	44.5	-	-	74	-29.5	-	-	0-360	199	V
3	7.08	35.25	Pk	35.7	-28	0	42.95	-	-	-	-	68.2	-25.25	0-360	101	H
4	7.08	34.33	Pk	35.7	-28	0	42.03	-	-	-	-	68.2	-26.17	0-360	101	V

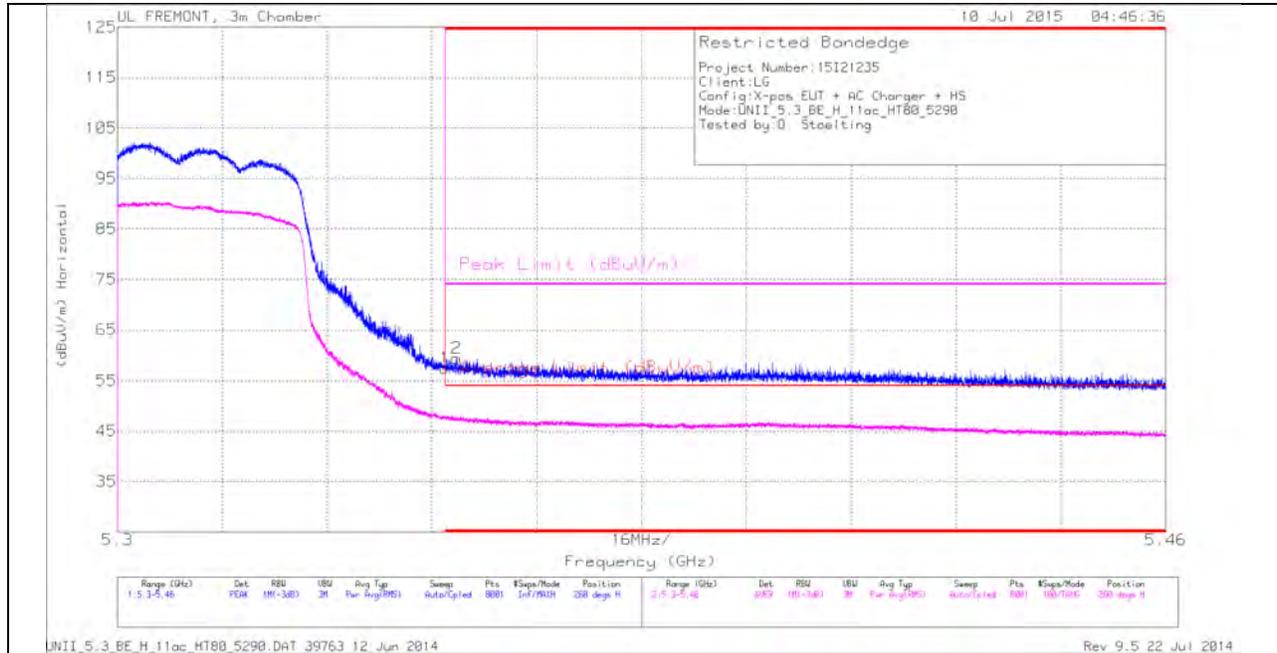
PK - Peak detector

RADIATED EMISSIONS

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.224	42.82	PK-U	28.7	-33.7	0	37.82	-	-	74	-36.18	-	-	360	198	H
* 1.222	30.96	ADR	28.7	-33.7	0	25.96	54	-28.04	-	-	-	-	360	198	H
* 3.768	40.29	PK-U	33.4	-30.2	0	43.49	-	-	74	-30.51	-	-	360	198	V
* 3.767	29.2	ADR	33.4	-30.2	0	32.4	54	-21.6	-	-	-	-	360	198	V
* 12.001	33.48	PK-U	38.6	-21.5	0	50.58	-	-	74	-23.42	-	-	0	101	H
* 12	22.11	ADR	38.6	-21.5	0	39.21	54	-14.79	-	-	-	-	0	101	H
* 11.488	34.34	PK-U	38.2	-21.1	0	51.44	-	-	74	-22.56	-	-	335	199	V
* 11.489	23	ADR	38.3	-21.1	0	40.2	54	-13.8	-	-	-	-	335	199	V
7.08	40.83	PK-U	35.7	-28	0	48.53	-	-	-	-	68.2	-19.67	22	126	H
7.08	32.38	ADR	35.7	-28	0	40.08	-	-	-	-	-	-	22	126	H
7.08	42	PK-U	35.7	-28	0	49.7	-	-	-	-	68.2	-18.5	335	103	V
7.08	33.54	ADR	35.7	-28	0	41.24	-	-	-	-	-	-	335	103	V

11.1.4. TX ABOVE 1 GHz 802.11ac HT80 MODE IN THE 5.3 GHz BAND AUTHORIZED BANDEDGE (HIGH CHANNEL)

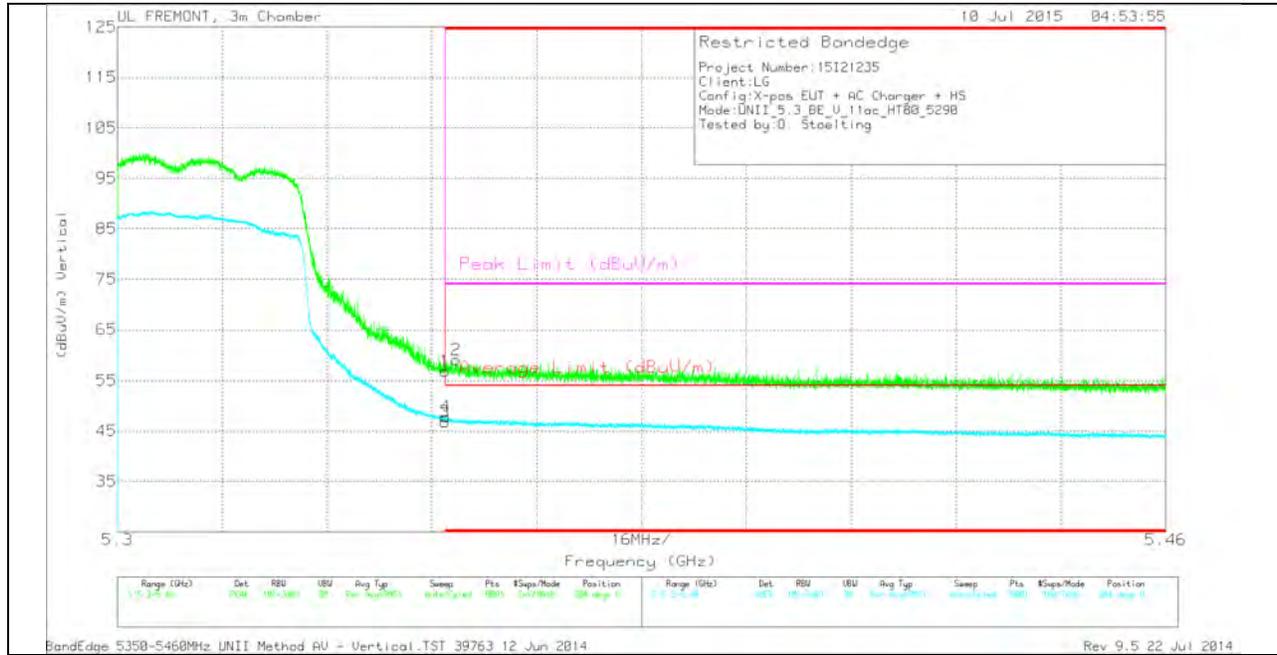
HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fitter/Pad (dB)	DC Corr (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	43.46	PK	34.5	-20.5	0	57.46	-	-	74	-16.54	260	281	H
3	* 5.35	33.62	RMS	34.5	-20.5	.09	47.71	54	-6.29	-	-	260	281	H
4	* 5.35	33.88	RMS	34.5	-20.5	.09	47.97	54	-6.03	-	-	260	281	H
2	* 5.352	45.5	PK	34.5	-20.5	0	59.5	-	-	74	-14.5	260	281	H

VERTICAL PEAK AND AVERAGE PLOT

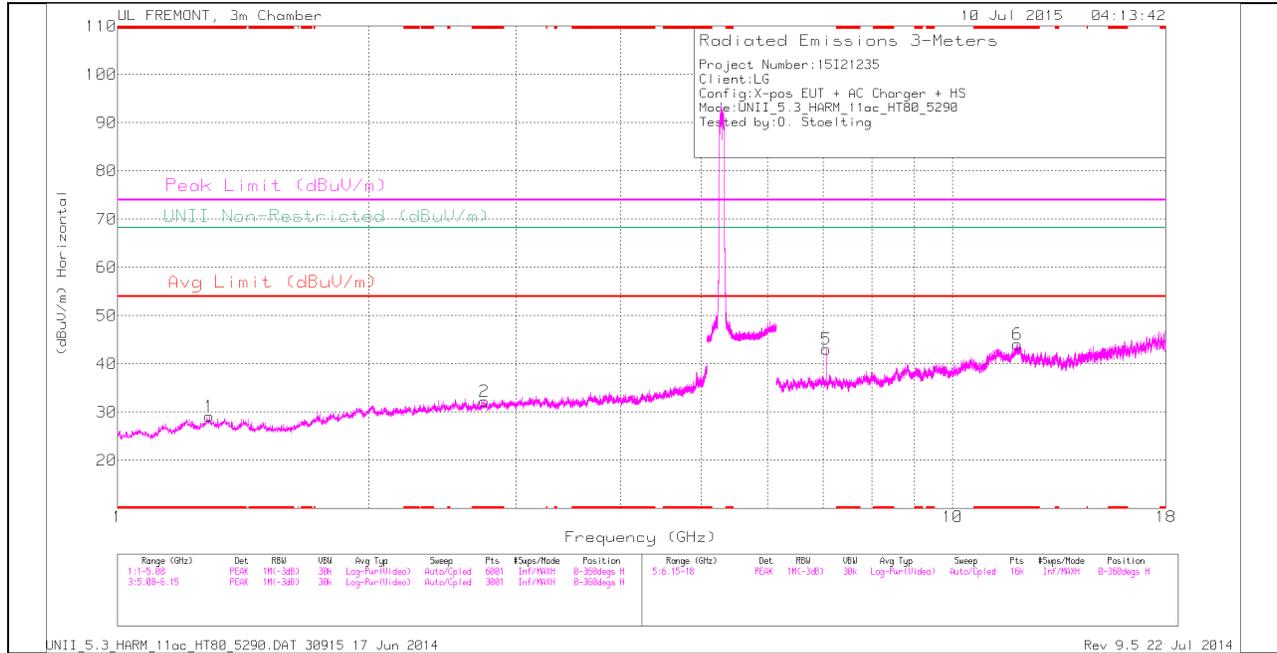


VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	DC Corr (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	42.89	PK	34.5	-20.5	0	56.89	-	-	74	-17.11	304	374	V
3	* 5.35	32.78	RMS	34.5	-20.5	.09	46.87	54	-7.13	-	-	304	374	V
4	* 5.35	33.69	RMS	34.5	-20.5	.09	47.78	54	-6.22	-	-	304	374	V
2	* 5.352	45.14	PK	34.5	-20.5	0	59.14	-	-	74	-14.86	304	374	V

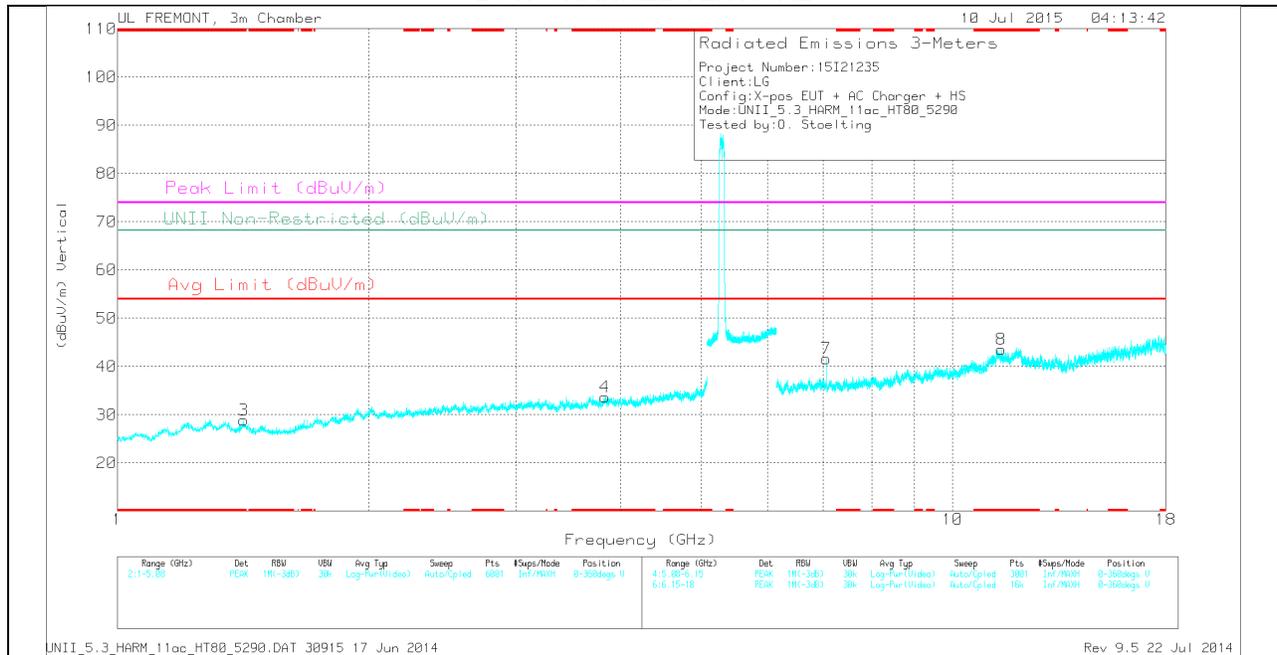
HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/ Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.289	32.34	PK	29.8	-33	0	29.14	-	-	74	-44.86	-	-	0-360	200	H
3	* 1.415	32.48	PK	28.5	-32.1	0	28.88	-	-	74	-45.12	-	-	0-360	100	V
8	* 11.431	28.4	PK	38.3	-23.1	0	43.6	-	-	74	-30.4	-	-	0-360	100	V
6	* 11.948	28.81	PK	39.1	-23.8	0	44.11	-	-	74	-29.89	-	-	0-360	100	H
2	* 2.75	31.33	PK	32.4	-31.5	0	32.23	-	-	74	-41.77	-	-	0-360	100	H
4	* 3.835	30.74	PK	33.1	-30.2	0	33.64	-	-	74	-40.36	-	-	0-360	100	V
5	7.054	35.38	PK	35.6	-27.9	0	43.08	-	-	-	-	68.2	-25.12	0-360	100	H
7	7.054	33.93	PK	35.6	-27.9	0	41.63	-	-	-	-	68.2	-26.57	0-360	100	V

PK - Peak detector

RADIATED EMISSIONS

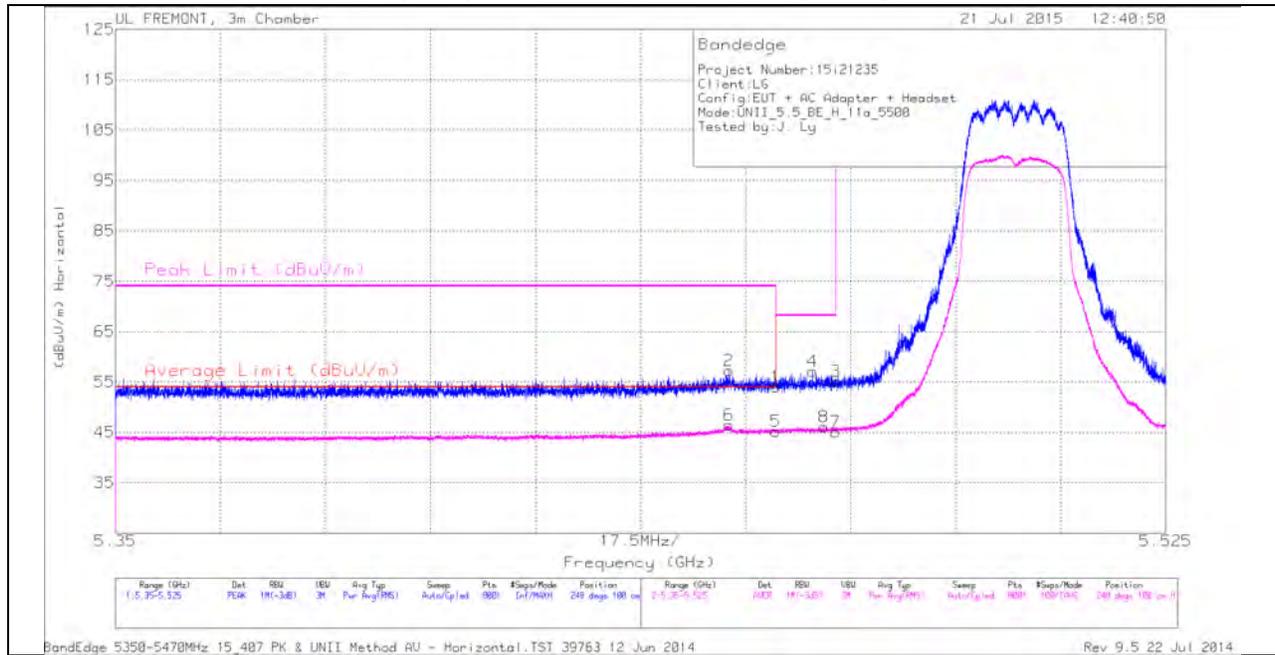
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/ Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.289	41.83	PK1	29.8	-33	0	38.63	-	-	74	-35.37	-	-	0	200	H
* 1.289	29.89	AD1	29.8	-33	.09	26.78	54	-27.22	-	-	-	-	0	200	H
* 2.75	41.13	PK1	32.4	-31.5	0	42.03	-	-	74	-31.97	-	-	0	100	H
* 2.75	29.4	AD1	32.4	-31.5	.09	30.39	54	-23.61	-	-	-	-	0	100	H
* 1.414	42.01	PK1	28.5	-32.1	0	38.41	-	-	74	-35.59	-	-	0	100	V
* 1.414	30.01	AD1	28.5	-32.1	.09	26.5	54	-27.5	-	-	-	-	0	100	V
* 3.836	40.24	PK1	33.1	-30.1	0	43.24	-	-	74	-30.76	-	-	0	100	V
* 3.836	28.51	AD1	33.1	-30.1	.09	31.6	54	-22.4	-	-	-	-	0	100	V
* 11.949	38.04	PK1	39.1	-23.8	0	53.34	-	-	74	-20.66	-	-	158	100	H
* 11.949	25.21	AD1	39.1	-23.8	.09	40.6	54	-13.4	-	-	-	-	158	100	H
* 11.433	36.31	PK1	38.3	-23.1	0	51.51	-	-	74	-22.49	-	-	65	100	V
* 11.432	24.97	AD1	38.3	-23.1	.09	40.26	54	-13.74	-	-	-	-	65	100	V
7.053	41.93	PK1	35.6	-27.9	0	49.63	-	-	-	-	68.2	-18.57	49	102	H
7.053	34.72	AD1	35.6	-27.9	.09	42.51	-	-	-	-	-	-	49	102	H
7.053	40.9	PK1	35.6	-27.9	0	48.6	-	-	-	-	68.2	-19.6	65	102	V
7.053	33.04	AD1	35.6	-27.9	.09	40.83	-	-	-	-	-	-	65	102	V

11.2. 5.5-5.6 GHz

11.2.1. TX ABOVE 1 GHz 802.11a MODE IN THE 5.5 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

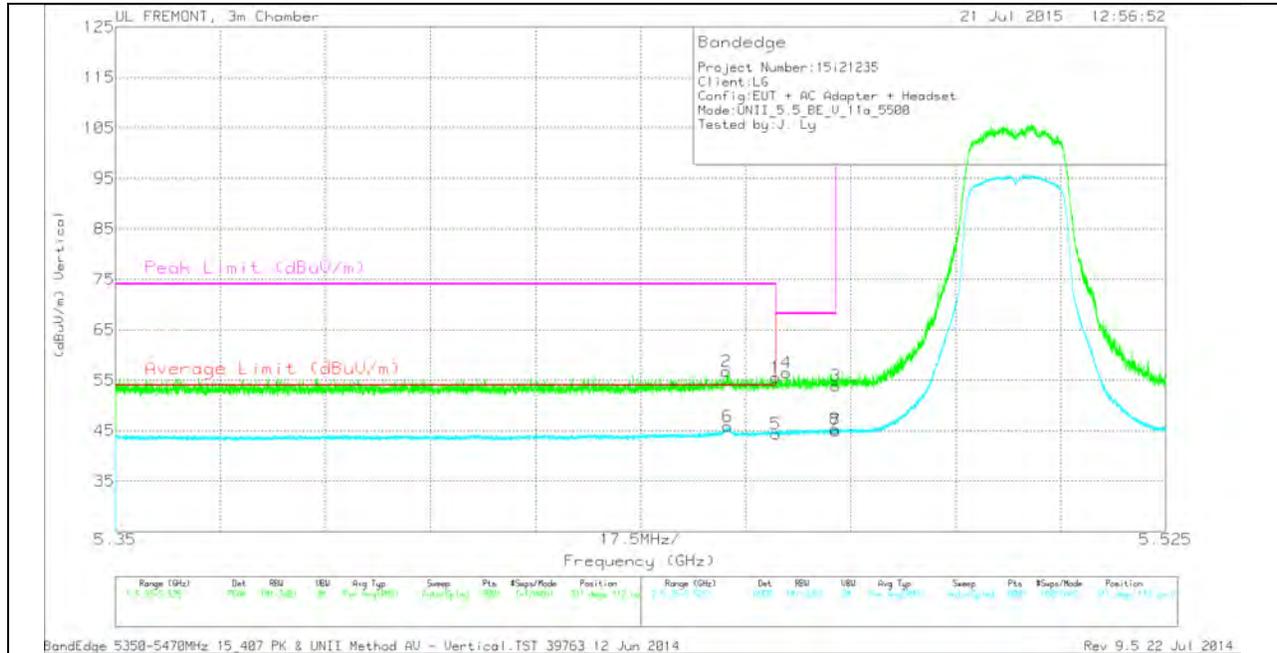
HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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
2	5.452	43.22	PK	34.6	-20.6	57.22	-	-	74	-16.78	248	100	H
6	5.452	32.47	RMS	34.6	-20.6	46.47	54	-7.53	-	-	248	100	H
1	5.46	40.06	PK	34.6	-20.7	53.96	-	-	74	-20.04	248	100	H
5	5.46	31.35	RMS	34.6	-20.7	45.25	54	-8.75	-	-	248	100	H
4	5.466	43.07	PK	34.6	-20.6	57.07	-	-	68.2	-11.13	248	100	H
8	5.468	31.93	RMS	34.6	-20.5	46.03	-	-	-	-	248	100	H
3	5.47	41.08	PK	34.6	-20.6	55.08	-	-	68.2	-13.12	248	100	H
7	5.47	31.03	RMS	34.6	-20.6	45.03	-	-	-	-	248	100	H

VERTICAL PEAK AND AVERAGE PLOT

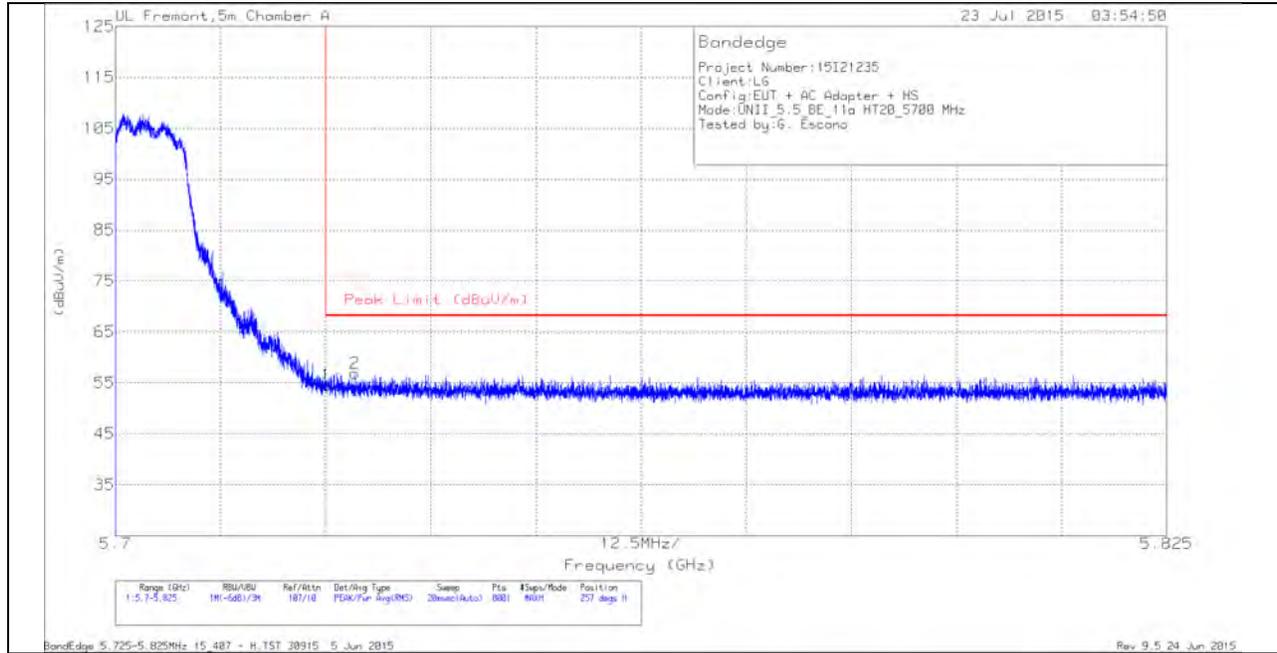


VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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
2	5.452	42.7	PK	34.6	-20.6	56.7	-	-	74	-17.3	311	112	V
6	5.452	31.84	RMS	34.6	-20.6	45.84	54	-8.16	-	-	311	112	V
1	5.46	41.6	PK	34.6	-20.7	55.5	-	-	74	-18.5	311	112	V
5	5.46	30.46	RMS	34.6	-20.7	44.36	54	-9.64	-	-	311	112	V
4	5.462	42.56	PK	34.6	-20.7	56.46	-	-	68.2	-11.74	311	112	V
3	5.47	39.86	PK	34.6	-20.6	53.86	-	-	68.2	-14.34	311	112	V
7	5.47	30.98	RMS	34.6	-20.6	44.98	-	-	-	-	311	112	V
8	5.47	31.29	RMS	34.6	-20.6	45.29	-	-	-	-	311	112	V

AUTHORIZED BANDEGE (HIGH CHANNEL)

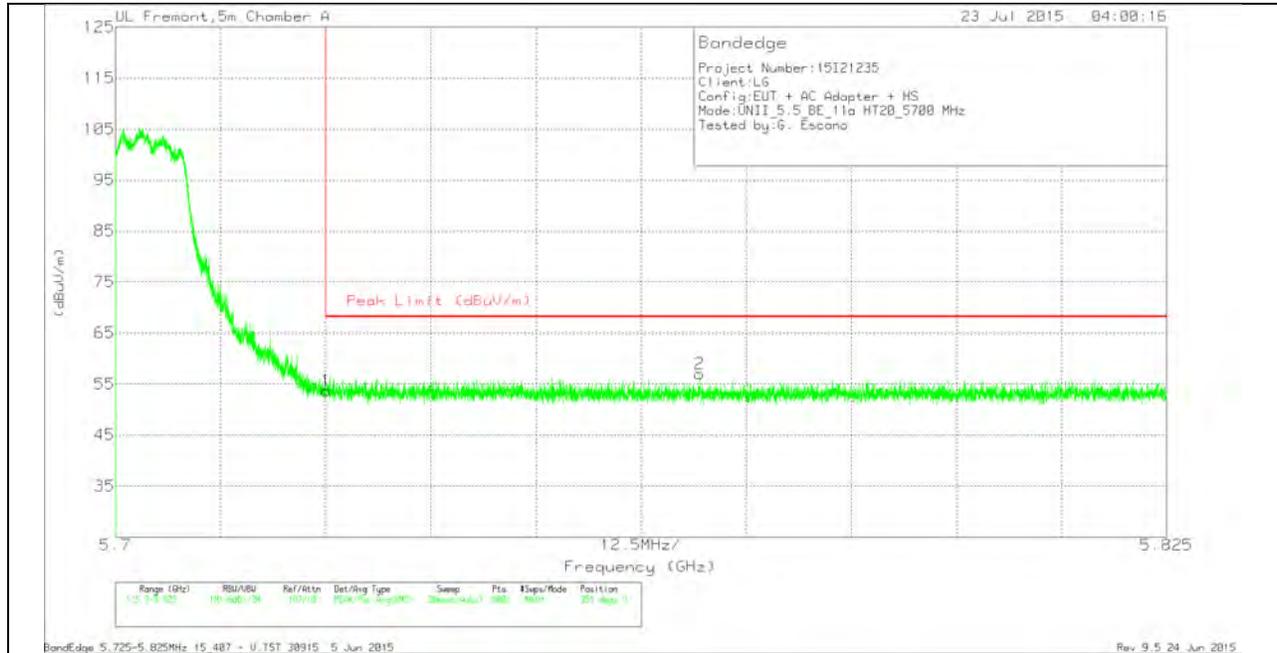
HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Flt r/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	39.69	Pk	34.7	-19.8	54.59	68.2	-13.61	257	155	H
2	5.728	41.83	Pk	34.7	-19.7	56.83	68.2	-11.37	257	155	H

VERTICAL PEAK AND AVERAGE PLOT

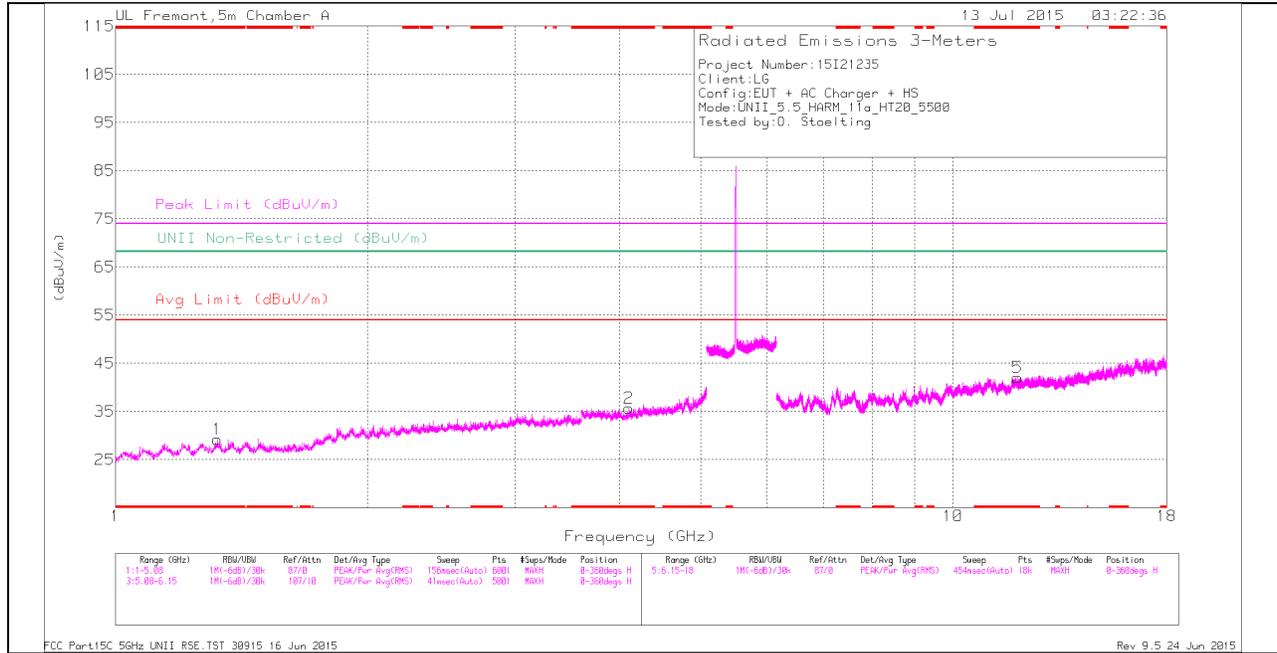


VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT136 (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	38.79	Pk	34.7	-19.8	53.69	68.2	-14.51	351	106	V
2	5.769	41.54	Pk	34.9	-19.5	56.94	68.2	-11.26	351	106	V

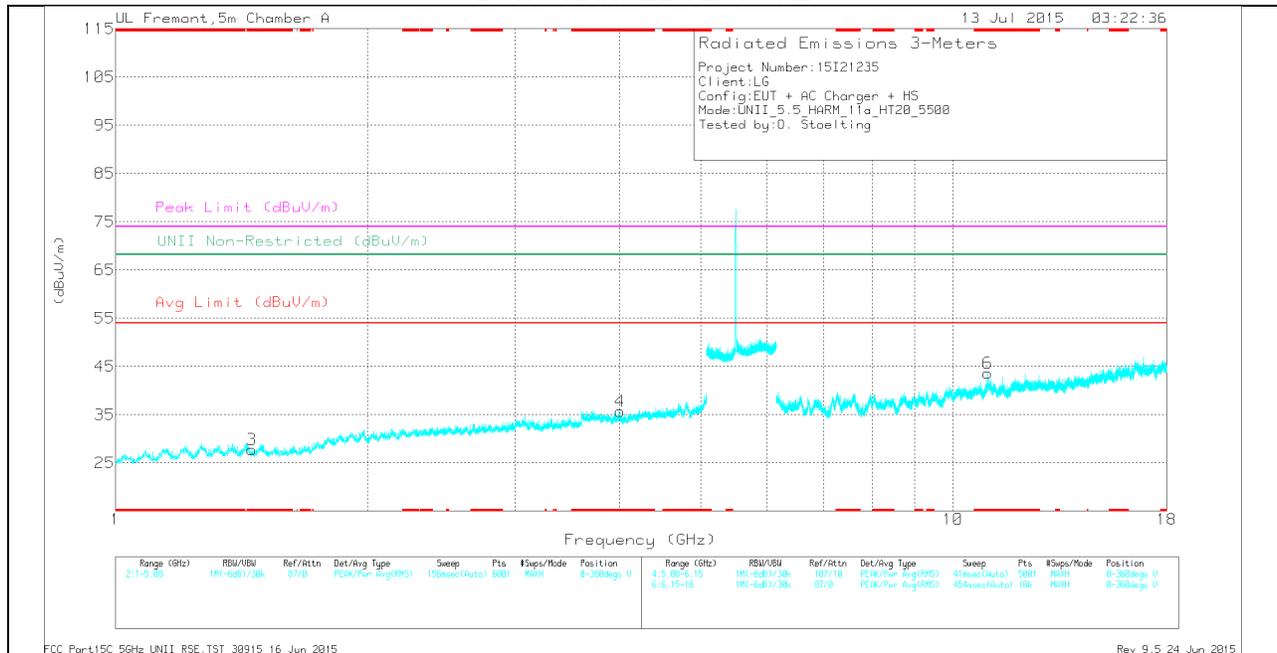
HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

TRACE MARKERS

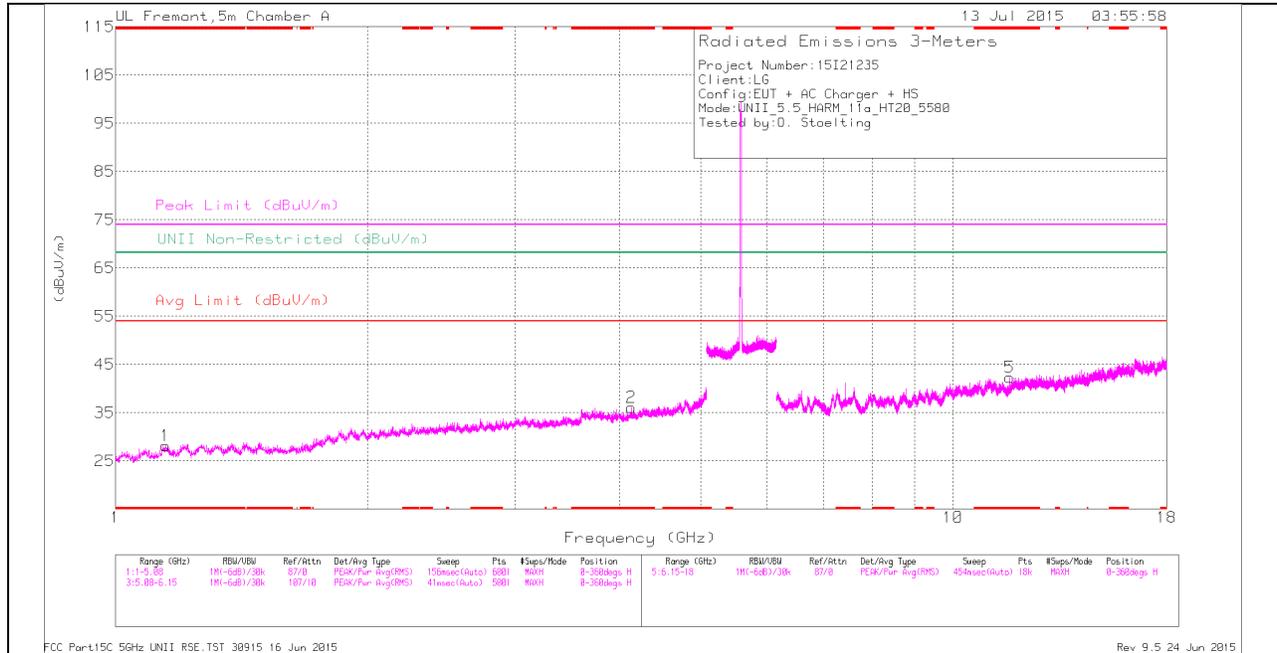
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Ftr /Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.324	36.36	Pk	28.8	-36	29.16	-	-	74	-44.84	-	-	0-360	201	H
2	* 4.101	34.79	Pk	33.3	-32.4	35.69	-	-	74	-38.31	-	-	0-360	201	H
3	* 1.454	34.77	Pk	28.3	-35.3	27.77	-	-	74	-46.23	-	-	0-360	200	V
4	* 4.007	33.94	Pk	33.3	-31.5	35.74	-	-	74	-38.26	-	-	0-360	200	V
5	* 11.942	26.14	Pk	38.6	-22.7	42.04	-	-	74	-31.96	-	-	0-360	100	H
6	* 11.002	28.97	Pk	37.8	-23.1	43.67	-	-	74	-30.33	-	-	0-360	100	V

PK - Peak detector

RADIATED EMISSIONS

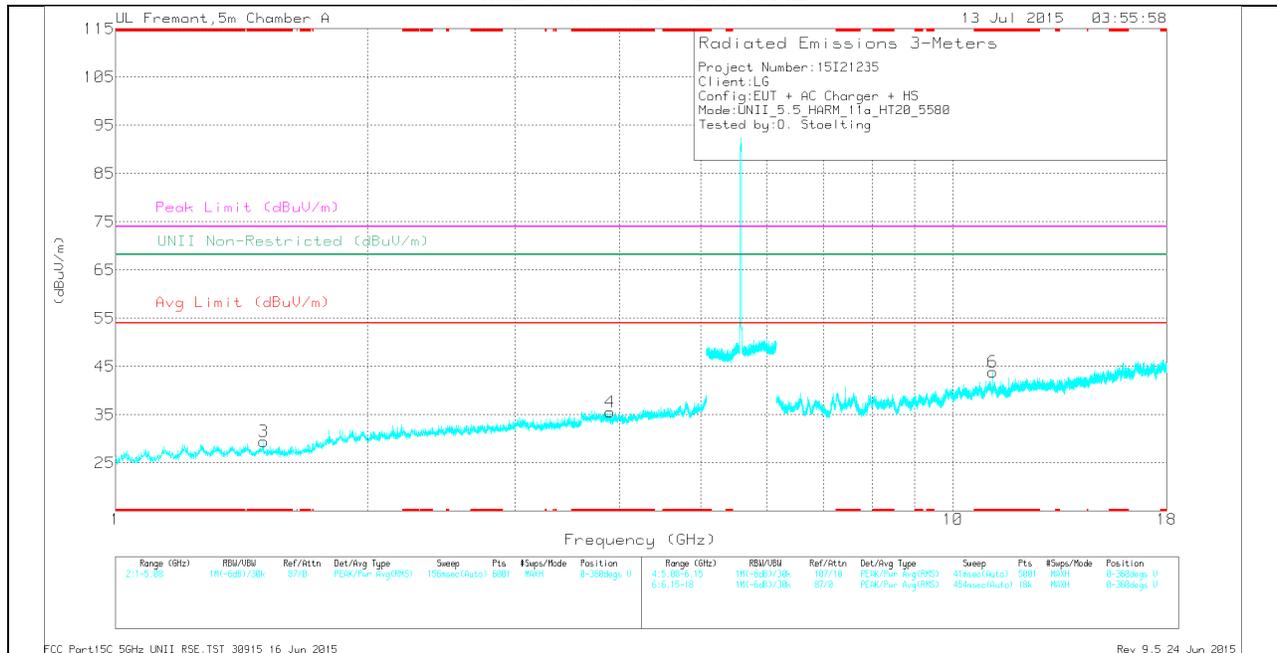
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Ftr /Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.325	45.15	PK-U	28.8	-36	37.95	-	-	74	-36.05	-	-	1	202	H
* 1.324	32.55	ADR	28.8	-36	25.35	54	-28.65	-	-	-	-	1	202	H
* 4.103	43.13	PK-U	33.3	-32.4	44.03	-	-	74	-29.97	-	-	1	202	H
* 4.103	30.85	ADR	33.3	-32.4	31.75	54	-22.25	-	-	-	-	1	202	H
* 1.454	43.63	PK-U	28.3	-35.3	36.63	-	-	74	-37.37	-	-	1	202	V
* 1.455	31.56	ADR	28.3	-35.3	24.56	54	-29.44	-	-	-	-	1	202	V
* 4.008	41.42	PK-U	33.3	-31.5	43.22	-	-	74	-30.78	-	-	1	202	V
* 4.008	30.2	ADR	33.3	-31.5	32	54	-22	-	-	-	-	1	202	V
* 11.941	33.71	PK-U	38.6	-22.8	49.51	-	-	74	-24.49	-	-	1	100	H
* 11.941	22.45	ADR	38.6	-22.8	38.25	54	-15.75	-	-	-	-	1	100	H
* 11.001	38.79	PK-U	37.8	-23.1	53.49	-	-	74	-20.51	-	-	44	105	V
* 11.002	26.81	ADR	37.8	-23.1	41.51	54	-12.49	-	-	-	-	44	105	V

MID CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

TRACE MARKERS

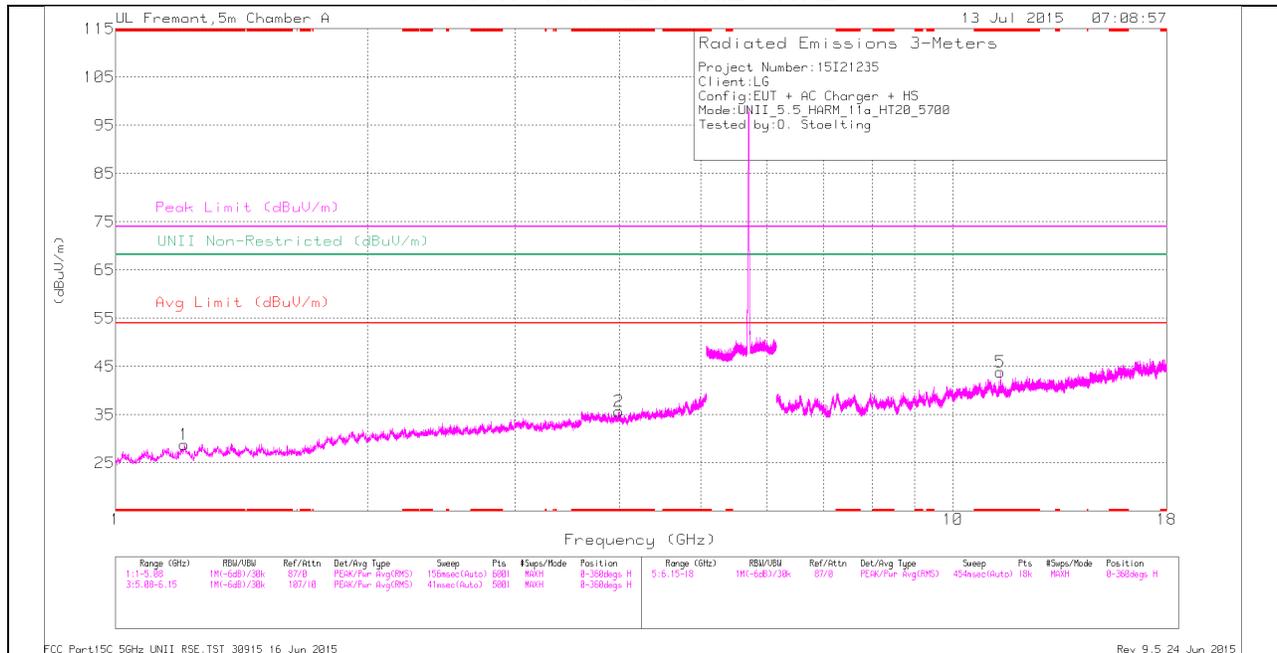
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Ftr /Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.147	35.96	Pk	27.6	-35.4	28.16	-	-	74	-45.84	-	-	0-360	201	H
2	* 4.127	34.85	Pk	33.3	-32.1	36.05	-	-	74	-37.95	-	-	0-360	101	H
3	* 1.503	36.48	Pk	28.1	-35.1	29.48	-	-	74	-44.52	-	-	0-360	100	V
4	* 3.895	34.85	Pk	33.5	-32.8	35.55	-	-	74	-38.45	-	-	0-360	200	V
5	* 11.696	27.47	Pk	38.3	-23.5	42.27	-	-	74	-31.73	-	-	0-360	201	H
6	* 11.163	29.51	Pk	37.8	-23.4	43.91	-	-	74	-30.09	-	-	0-360	100	V

PK - Peak detector

RADIATED EMISSIONS

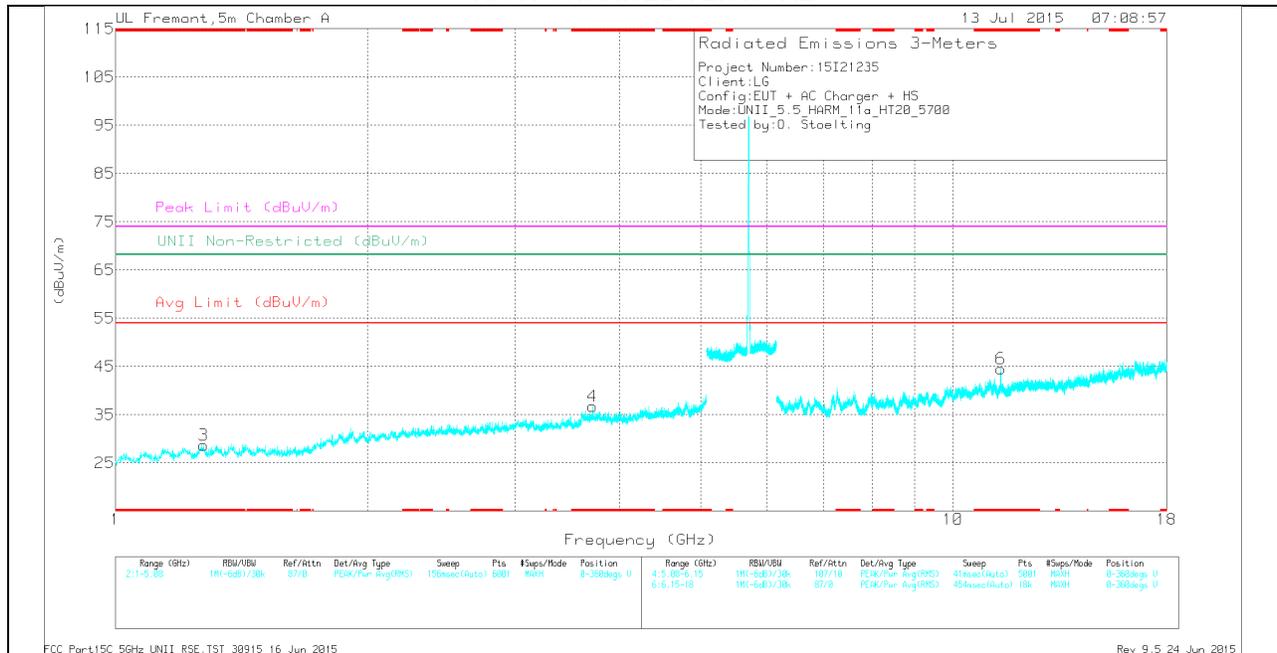
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.148	44.16	PK-U	27.6	-35.4	36.36	-	-	74	-37.64	-	-	1	202	H
* 1.146	32.66	ADR	27.6	-35.4	24.86	54	-29.14	-	-	-	-	1	202	H
* 4.128	41.69	PK-U	33.3	-32.1	42.89	-	-	74	-31.11	-	-	1	101	H
* 4.126	30.45	ADR	33.3	-32.1	31.65	54	-22.35	-	-	-	-	1	101	H
* 1.503	43.77	PK-U	28.1	-35.1	36.77	-	-	74	-37.23	-	-	1	101	V
* 1.501	32.1	ADR	28.1	-35.1	25.1	54	-28.9	-	-	-	-	1	101	V
* 3.894	42.48	PK-U	33.5	-32.8	43.18	-	-	74	-30.82	-	-	1	201	V
* 3.897	31.37	ADR	33.5	-32.8	32.07	54	-21.93	-	-	-	-	1	201	V
* 11.698	33.57	PK-U	38.3	-23.5	48.37	-	-	74	-25.63	-	-	1	201	H
* 11.698	22.36	ADR	38.3	-23.5	37.16	54	-16.84	-	-	-	-	1	201	H
* 11.162	38.21	PK-U	37.8	-23.4	52.61	-	-	74	-21.39	-	-	340	113	V
* 11.162	25.83	ADR	37.8	-23.4	40.23	54	-13.77	-	-	-	-	340	113	V

HIGH CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr /Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.209	36.23	Pk	28.1	-35.5	28.83	-	-	74	-45.17	-	-	0-360	100	H
2	* 3.989	34.05	Pk	33.3	-31.6	35.75	-	-	74	-38.25	-	-	0-360	100	H
3	* 1.273	36.01	Pk	28.6	-35.9	28.71	-	-	74	-45.29	-	-	0-360	200	V
4	* 3.713	36.19	Pk	33.2	-32.6	36.79	-	-	74	-37.21	-	-	0-360	200	V
5	* 11.398	29.29	Pk	37.9	-23.3	43.89	-	-	74	-30.11	-	-	0-360	100	H
6	* 11.403	29.9	Pk	37.9	-23.3	44.5	-	-	74	-29.5	-	-	0-360	100	V

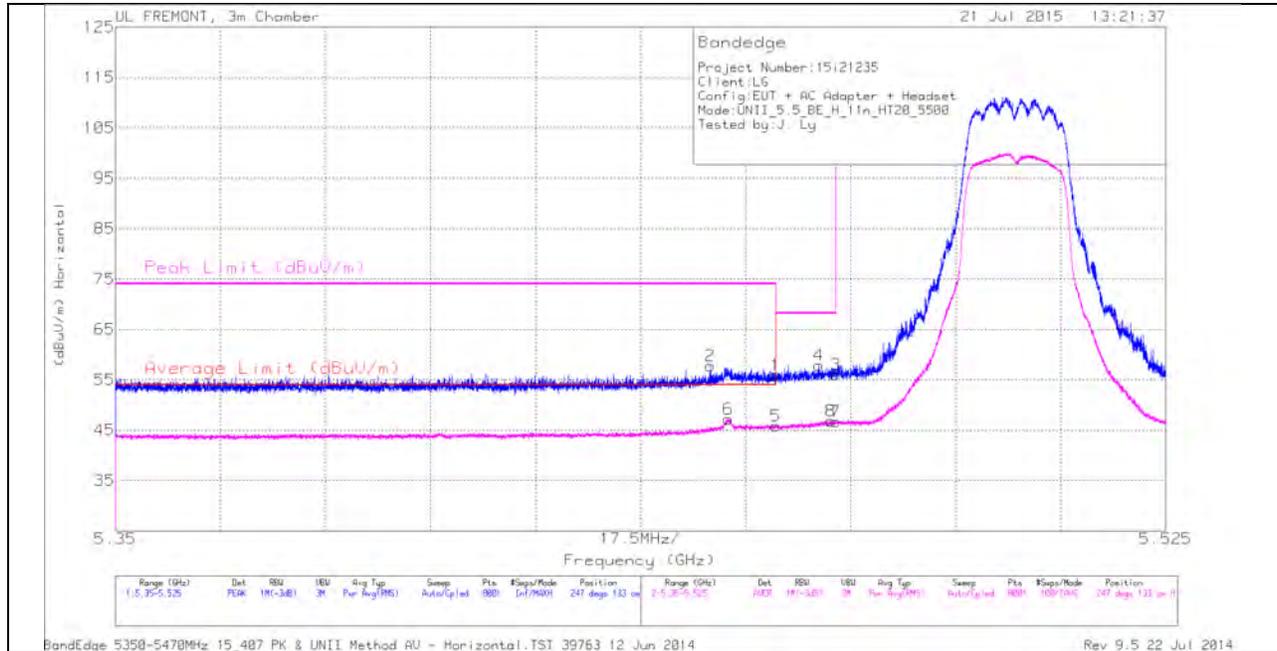
PK - Peak detector

RADIATED EMISSIONS

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr /Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.211	44.65	PK-U	28.1	-35.5	37.25	-	-	74	-36.75	-	-	1	100	H
* 1.21	32.81	ADR	28.1	-35.5	25.41	54	-28.59	-	-	-	-	1	100	H
* 3.989	41.93	PK-U	33.3	-31.6	43.63	-	-	74	-30.37	-	-	1	100	H
* 3.988	30.33	ADR	33.3	-31.6	32.03	54	-21.97	-	-	-	-	1	100	H
* 1.274	44.07	PK-U	28.6	-35.9	36.77	-	-	74	-37.23	-	-	1	201	V
* 1.274	32.57	ADR	28.6	-35.9	25.27	54	-28.73	-	-	-	-	1	201	V
* 3.714	43.01	PK-U	33.3	-32.6	43.71	-	-	74	-30.29	-	-	1	201	V
* 3.713	31.35	ADR	33.2	-32.6	31.95	54	-22.05	-	-	-	-	1	201	V
* 11.398	37.38	PK-U	37.9	-23.3	51.98	-	-	74	-22.02	-	-	130	150	H
* 11.397	25.17	ADR	37.9	-23.3	39.77	54	-14.23	-	-	-	-	130	150	H
* 11.403	39.48	PK-U	37.9	-23.3	54.08	-	-	74	-19.92	-	-	150	111	V
* 11.402	27.73	ADR	37.9	-23.3	42.33	54	-11.67	-	-	-	-	150	111	V

11.2.2. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.5 GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

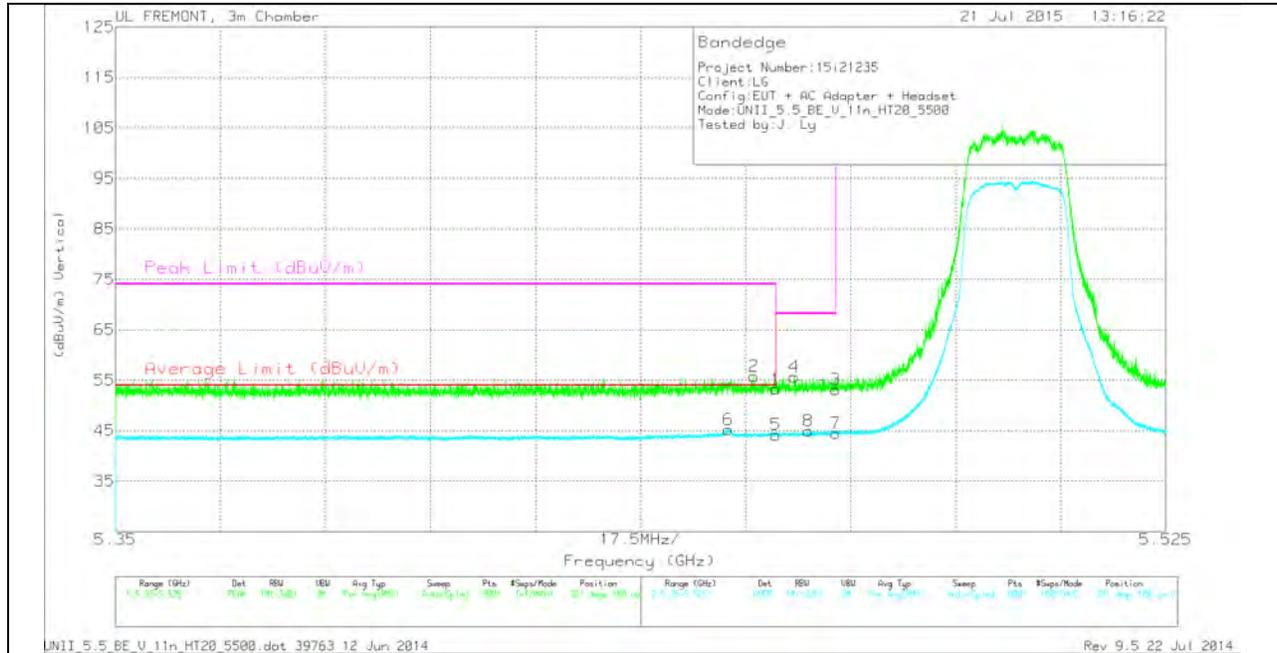
HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	5.449	43.71	PK	34.6	-20.6	57.71	-	-	74	-16.29	247	133	H
6	5.452	33.23	RMS	34.6	-20.6	47.23	54	-6.77	-	-	247	133	H
1	5.46	41.97	PK	34.6	-20.7	55.87	-	-	74	-18.13	247	133	H
5	5.46	31.9	RMS	34.6	-20.7	45.8	54	-8.2	-	-	247	133	H
4	5.467	43.92	PK	34.6	-20.6	57.92	-	-	68.2	-10.28	247	133	H
8	5.469	32.79	RMS	34.6	-20.6	46.79	-	-	-	-	247	133	H
3	5.47	42.05	PK	34.6	-20.6	56.05	-	-	68.2	-12.15	247	133	H
7	5.47	32.69	RMS	34.6	-20.6	46.69	-	-	-	-	247	133	H

VERTICAL PEAK AND AVERAGE PLOT

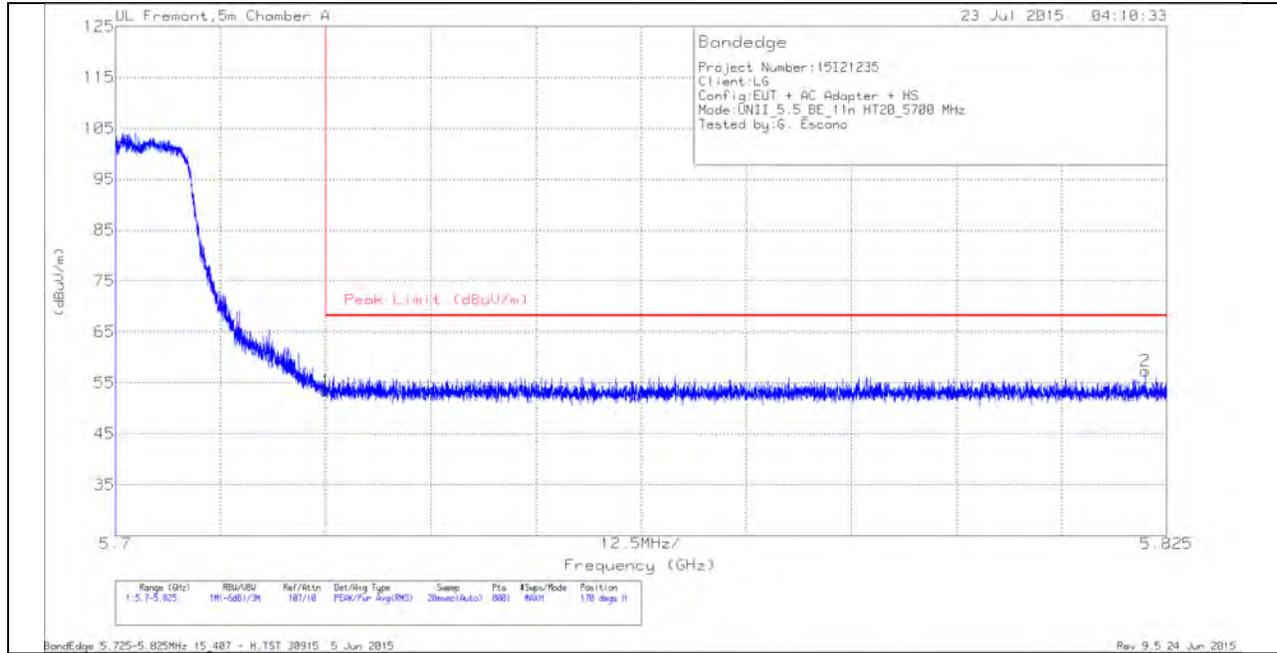


VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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
6	5.452	31.22	RMS	34.6	-20.6	45.22	54	-8.78	-	-	321	100	V
2	5.456	41.77	PK	34.6	-20.6	55.77	-	-	74	-18.23	321	100	V
1	5.46	39.41	PK	34.6	-20.7	53.31	-	-	74	-20.69	321	100	V
5	5.46	30.25	RMS	34.6	-20.7	44.15	54	-9.85	-	-	321	100	V
4	5.463	41.7	PK	34.6	-20.7	55.6	-	-	68.2	-12.6	321	100	V
8	5.465	31	RMS	34.6	-20.6	45	-	-	-	-	321	100	V
3	5.47	39.15	PK	34.6	-20.6	53.15	-	-	68.2	-15.05	321	100	V
7	5.47	30.47	RMS	34.6	-20.6	44.47	-	-	-	-	321	100	V

AUTHORIZED BANDEGE (HIGH CHANNEL)

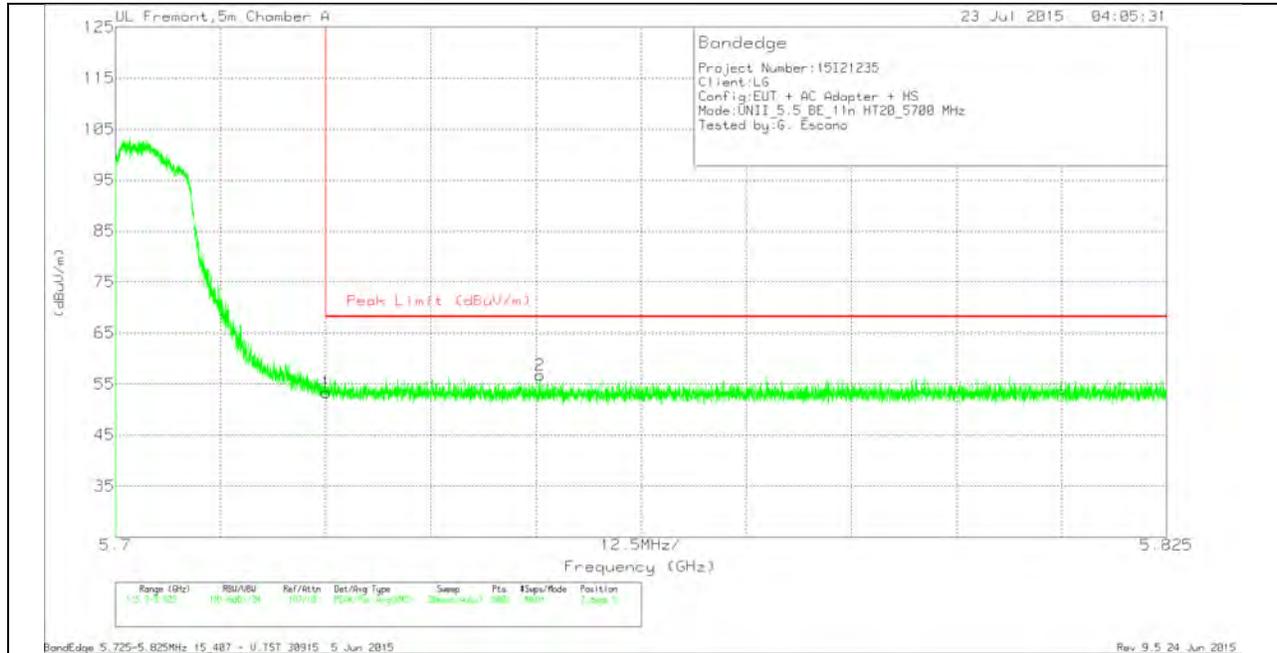
HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Flt r/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	38.5	Pk	34.7	-19.8	53.4	68.2	-14.8	170	130	H
2	5.822	41.72	Pk	35	-19.4	57.32	68.2	-10.88	170	130	H

VERTICAL PEAK AND AVERAGE PLOT

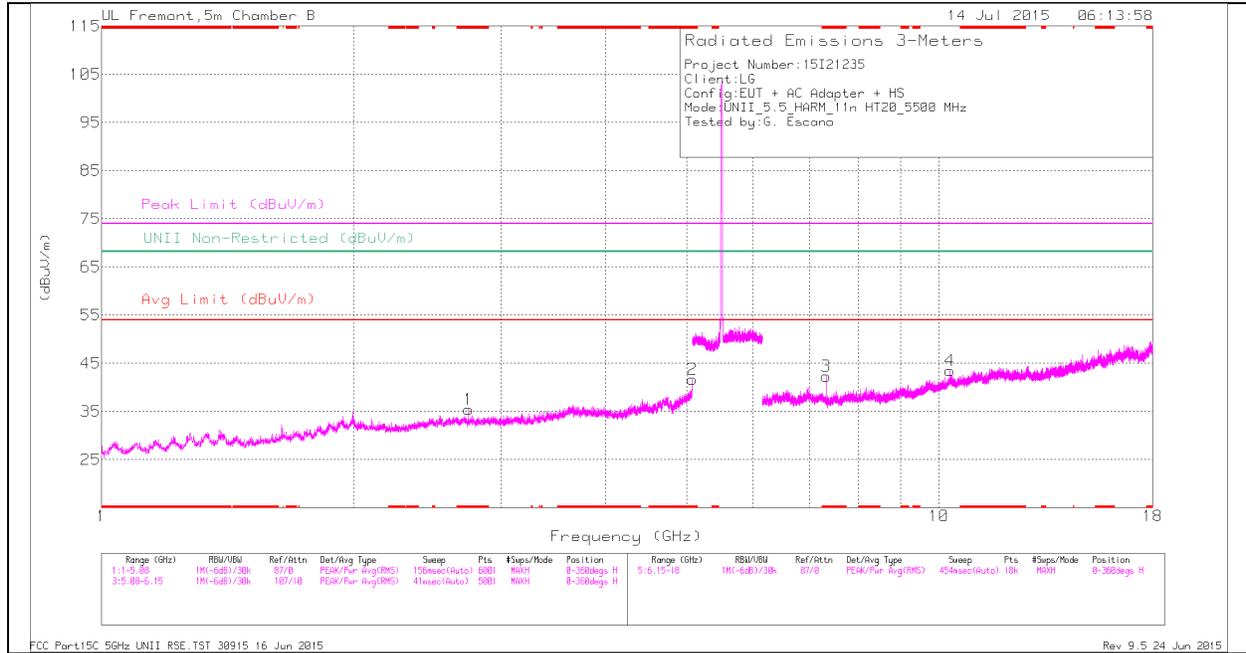


VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT136 (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	38.43	Pk	34.7	-19.8	53.33	68.2	-14.87	2	103	V
2	5.75	41.63	Pk	34.8	-19.7	56.73	68.2	-11.47	2	103	V

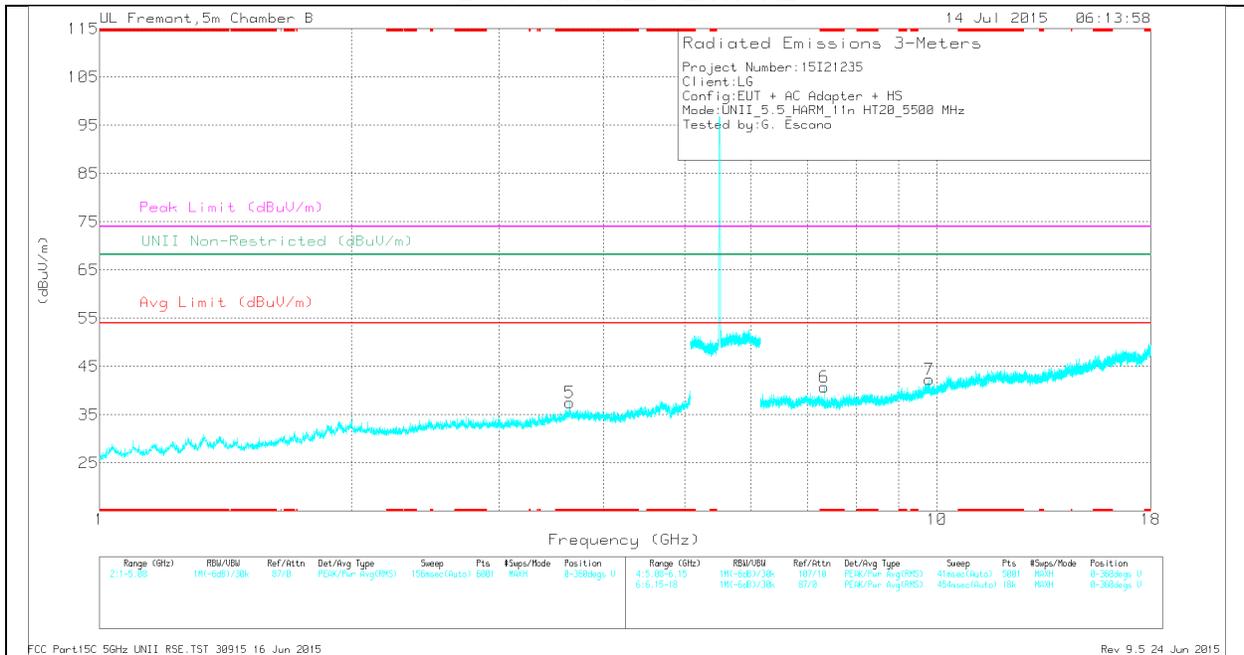
HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

TRACE MARKERS

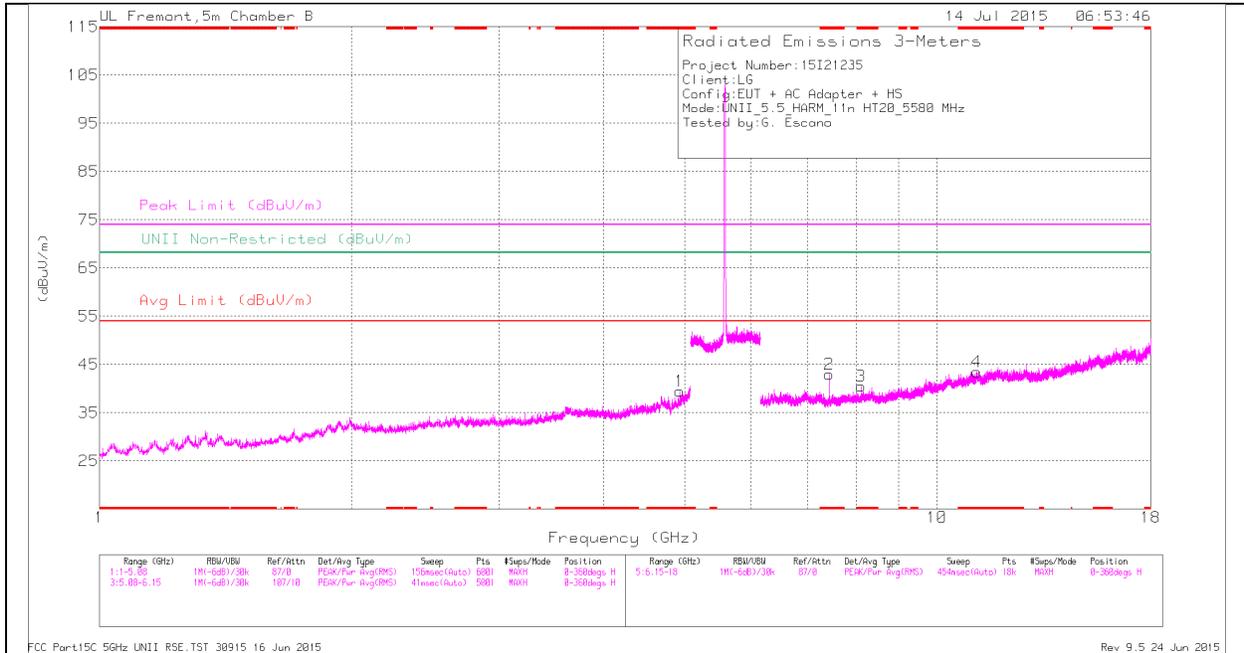
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.741	34.3	Pk	32.6	-31.4	0	35.5	-	-	74	-38.5	-	-	0-360	199	H
2	* 5.077	32.46	Pk	34	-24.8	0	41.66	-	-	74	-32.34	-	-	0-360	101	H
5	* 3.645	34.21	Pk	33.7	-30.4	0	37.51	-	-	74	-36.49	-	-	0-360	199	V
3	* 7.333	34.5	Pk	35.3	-27.5	0	42.3	-	-	74	-31.7	-	-	0-360	101	H
6	* 7.334	32.92	Pk	35.3	-27.5	0	40.72	-	-	74	-33.28	-	-	0-360	101	V
7	9.789	28.64	Pk	37	-23.3	0	42.34	-	-	-	-	68.2	-25.86	0-360	199	V
4	10.304	28.37	Pk	37.4	-22.3	0	43.47	-	-	-	-	68.2	-24.73	0-360	199	H

PK - Peak detector

RADIATED EMISSIONS

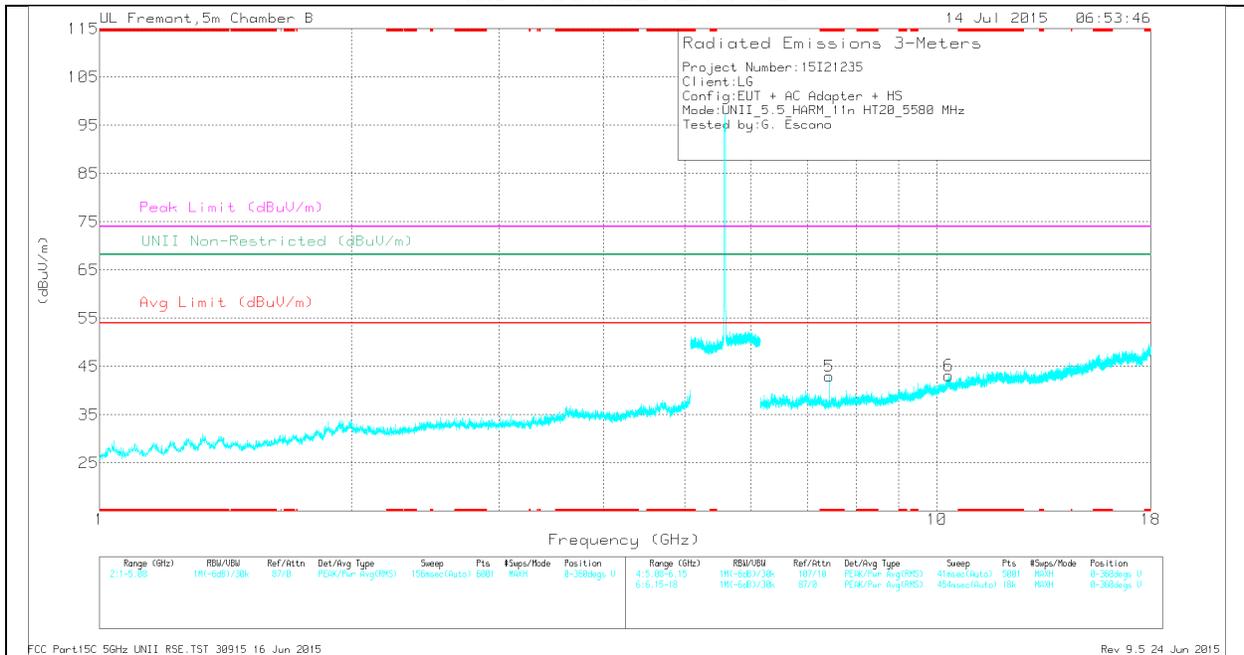
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.741	40.5	PK-U	32.6	-31.4	0	41.7	-	-	74	-32.3	-	-	235	301	H
* 2.741	28.48	ADR	32.6	-31.4	0	29.68	54	-24.32	-	-	-	-	235	301	H
* 5.077	41.28	PK-U	34	-24.9	0	50.38	-	-	74	-23.62	-	-	358	101	H
* 5.077	29.01	ADR	34	-24.9	0	38.11	54	-15.89	-	-	-	-	358	101	H
* 3.645	40.93	PK-U	33.7	-30.4	0	44.23	-	-	74	-29.77	-	-	312	219	V
* 3.644	28.94	ADR	33.7	-30.4	0	32.24	54	-21.76	-	-	-	-	312	219	V
* 7.333	41.92	PK-U	35.3	-27.5	0	49.72	-	-	74	-24.28	-	-	221	132	H
* 7.333	34.71	ADR	35.3	-27.5	0	42.51	54	-11.49	-	-	-	-	221	132	H
* 7.333	42.18	PK-U	35.3	-27.5	0	49.98	-	-	74	-24.02	-	-	175	113	V
* 7.333	32.52	ADR	35.3	-27.5	0	40.32	54	-13.68	-	-	-	-	175	113	V
9.79	34.76	PK-U	37	-23.3	0	48.46	-	-	-	-	68.2	-19.74	265	188	V
10.303	34.35	PK-U	37.4	-22.3	0	49.45	-	-	-	-	68.2	-18.75	345	126	H

MID CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

TRACE MARKERS

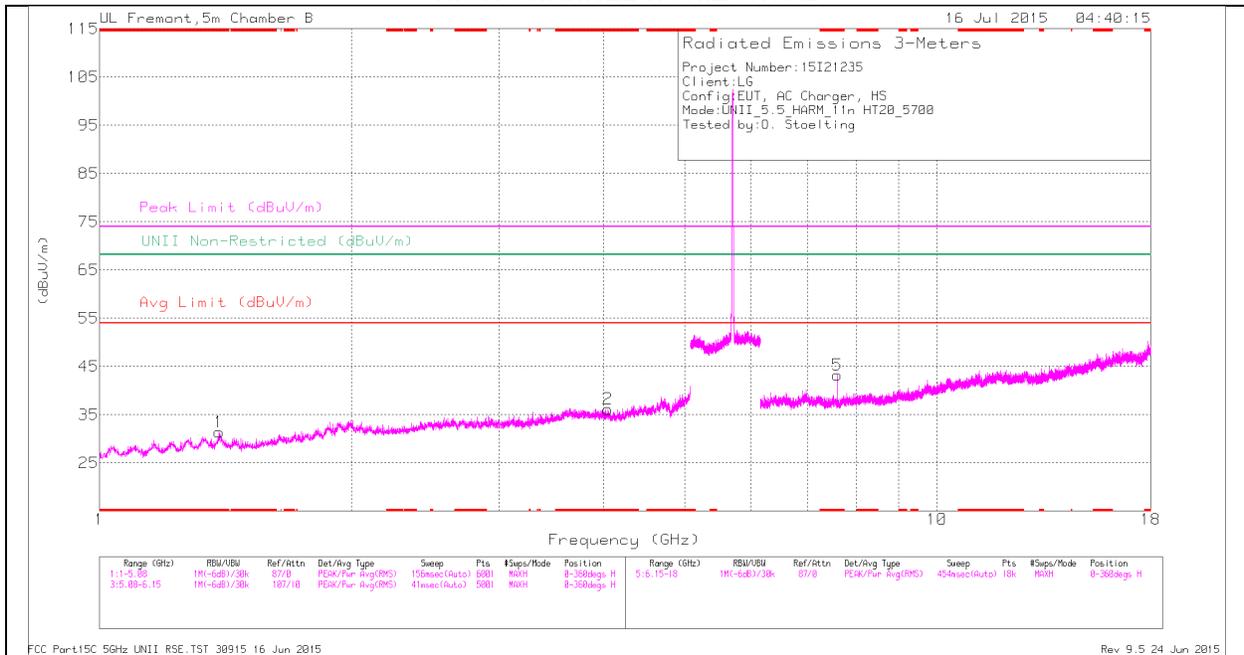
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.928	34.01	Pk	34.1	-28.6	0	39.51	-	-	74	-34.49	-	-	0-360	101	H
2	* 7.44	34.17	Pk	35.3	-26.5	0	42.97	-	-	74	-31.03	-	-	0-360	101	H
3	* 8.111	30.82	Pk	35.7	-26	0	40.52	-	-	74	-33.48	-	-	0-360	199	H
4	* 11.162	26.85	Pk	37.8	-21.2	0	43.45	-	-	74	-30.55	-	-	0-360	101	H
5	* 7.44	34.14	Pk	35.3	-26.5	0	42.94	-	-	74	-31.06	-	-	0-360	101	V
6	10.324	27.51	Pk	37.4	-21.8	0	43.11	-	-	-	-	68.2	-25.09	0-360	101	V

PK - Peak detector

RADIATED EMISSIONS

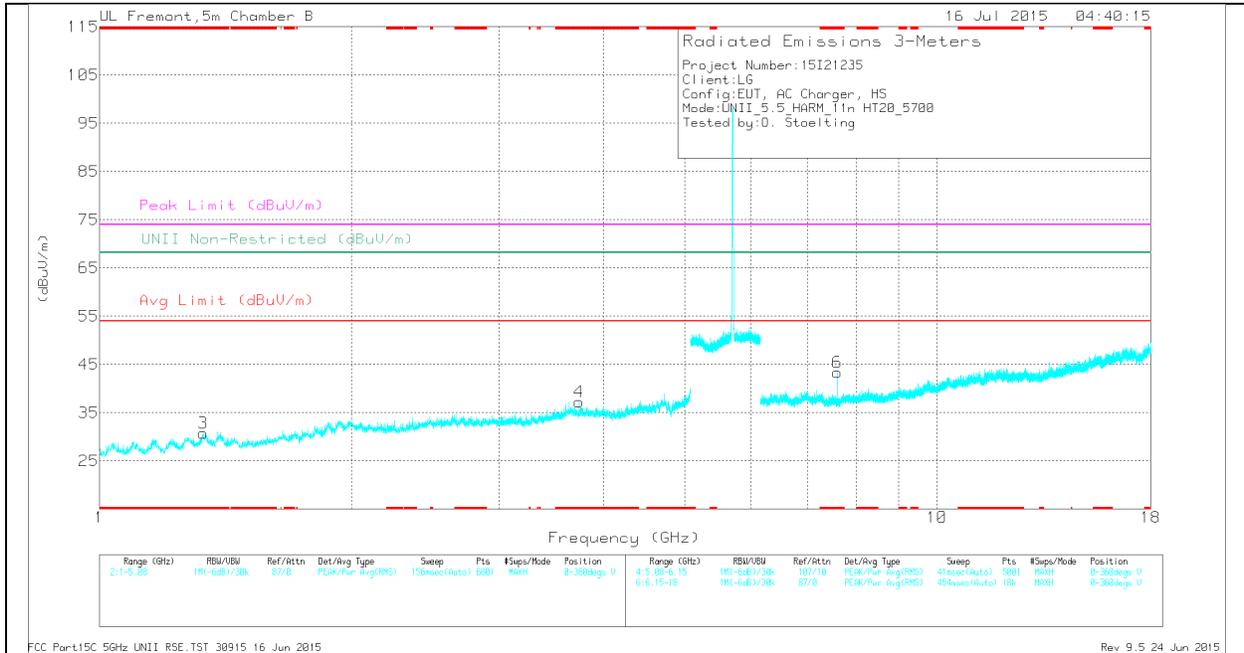
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.928	42.51	PK-U	34.1	-28.6	0	48.01	-	-	74	-25.99	-	-	358	142	H
* 4.928	30.88	ADR	34.1	-28.6	0	36.38	54	-17.62	-	-	-	-	358	142	H
* 7.44	39.73	PK-U	35.3	-26.5	0	48.53	-	-	74	-25.47	-	-	216	132	H
* 7.44	30.46	ADR	35.3	-26.5	0	39.26	54	-14.74	-	-	-	-	216	132	H
* 8.11	38.1	PK-U	35.7	-26	0	47.8	-	-	74	-26.2	-	-	192	127	H
* 8.111	25.56	ADR	35.7	-26	0	35.26	54	-18.74	-	-	-	-	192	127	H
* 11.163	35.78	PK-U	37.8	-21.2	0	52.38	-	-	74	-21.62	-	-	157	102	H
* 11.163	23.78	ADR	37.8	-21.2	0	40.38	54	-13.62	-	-	-	-	157	102	H
* 7.44	41.06	PK-U	35.3	-26.5	0	49.86	-	-	74	-24.14	-	-	180	104	V
* 7.44	32.99	ADR	35.3	-26.5	0	41.79	54	-12.21	-	-	-	-	180	104	V
10.326	34.98	PK-U	37.4	-21.8	0	50.58	-	-	-	-	68.2	-17.62	88	122	V

HIGH CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.39	34.99	Pk	29.4	-33	0	31.39	-	-	74	-42.61	-	-	0-360	101	H
2	* 4.048	32.06	Pk	33.3	-29.2	0	36.16	-	-	74	-37.84	-	-	0-360	101	H
3	* 1.33	34.51	Pk	29.4	-33.1	0	30.81	-	-	74	-43.19	-	-	0-360	101	V
4	* 3.736	34.31	Pk	33.5	-30.6	0	37.21	-	-	74	-36.79	-	-	0-360	199	V
5	* 7.6	34.58	Pk	35.4	-26.7	0	43.28	-	-	74	-30.72	-	-	0-360	199	H
6	* 7.6	34.63	Pk	35.4	-26.7	0	43.33	-	-	74	-30.67	-	-	0-360	101	V

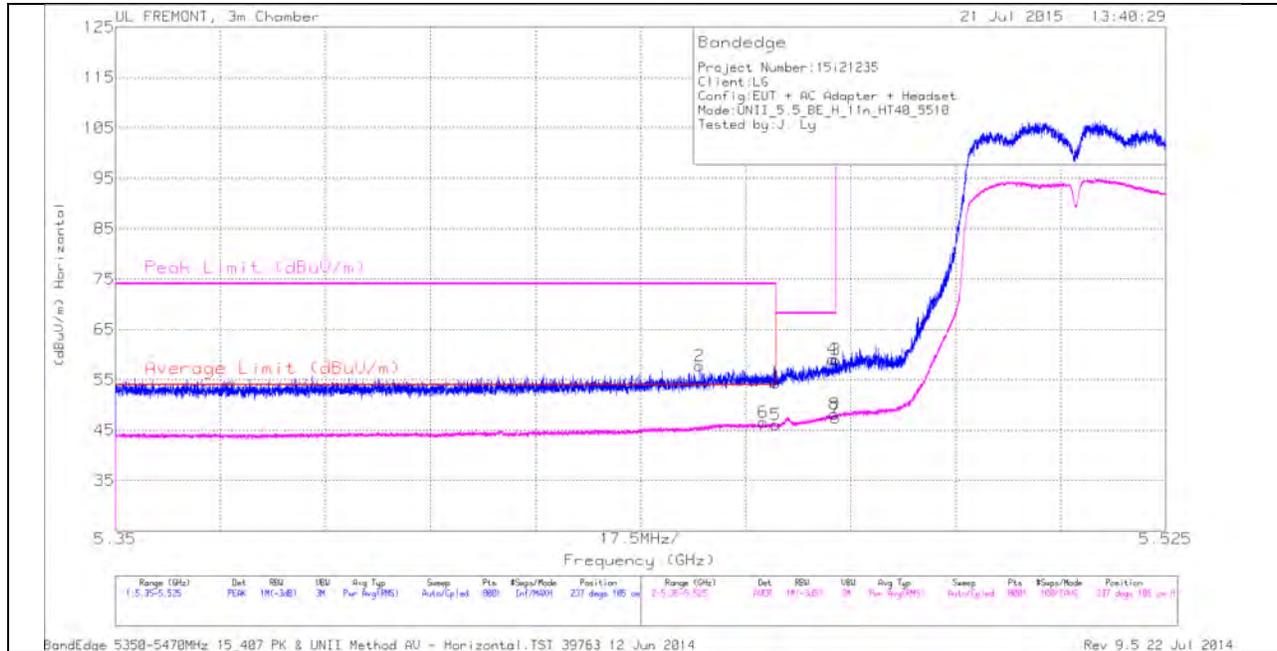
PK - Peak detector

RADIATED EMISSIONS

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.389	42.68	PK-U	29.4	-33	0	39.08	-	-	74	-34.92	-	-	1	101	H
* 1.389	31.03	ADR	29.4	-33	0	27.43	54	-26.57	-	-	-	-	1	101	H
* 4.05	40.16	PK-U	33.3	-29.2	0	44.26	-	-	74	-29.74	-	-	1	101	H
* 4.049	28.43	ADR	33.3	-29.2	0	32.53	54	-21.47	-	-	-	-	1	101	H
* 1.329	42.91	PK-U	29.4	-33.1	0	39.21	-	-	74	-34.79	-	-	1	101	V
* 1.329	31.27	ADR	29.4	-33.1	0	27.57	54	-26.43	-	-	-	-	1	101	V
* 3.735	41.21	PK-U	33.5	-30.6	0	44.11	-	-	74	-29.89	-	-	1	199	V
* 3.736	29.3	ADR	33.5	-30.6	0	32.2	54	-21.8	-	-	-	-	1	199	V
* 7.6	41.56	PK-U	35.4	-26.7	0	50.26	-	-	74	-23.74	-	-	69	263	H
* 7.6	35.67	ADR	35.4	-26.7	0	44.37	54	-9.63	-	-	-	-	69	263	H
* 7.6	40.16	PK-U	35.4	-26.7	0	48.86	-	-	74	-25.14	-	-	63	115	V
* 7.6	33.63	ADR	35.4	-26.7	0	42.33	54	-11.67	-	-	-	-	63	115	V

11.2.3. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.5 GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

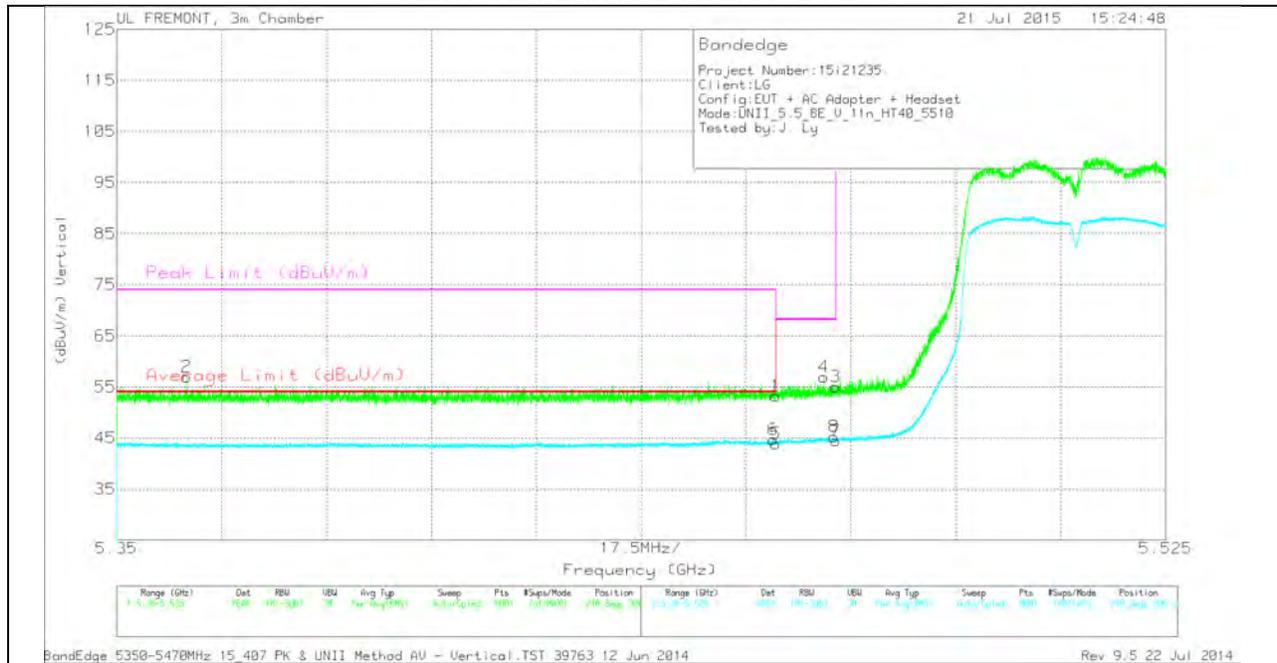
HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	5.447	43.71	PK	34.6	-20.6	57.71	-	-	74	-16.29	237	105	H
6	5.458	32.53	RMS	34.6	-20.6	46.53	54	-7.47	-	-	237	105	H
1	5.46	40.48	PK	34.6	-20.7	54.38	-	-	74	-19.62	237	105	H
5	5.46	32.14	RMS	34.6	-20.7	46.04	54	-7.96	-	-	237	105	H
3	5.47	45.01	PK	34.6	-20.6	59.01	-	-	68.2	-9.19	237	105	H
4	5.47	45.1	PK	34.6	-20.6	59.1	-	-	68.2	-9.1	237	105	H
7	5.47	33.49	RMS	34.6	-20.6	47.49	-	-	-	-	237	105	H
8	5.47	34.21	RMS	34.6	-20.6	48.21	-	-	-	-	237	105	H

VERTICAL PEAK AND AVERAGE PLOT

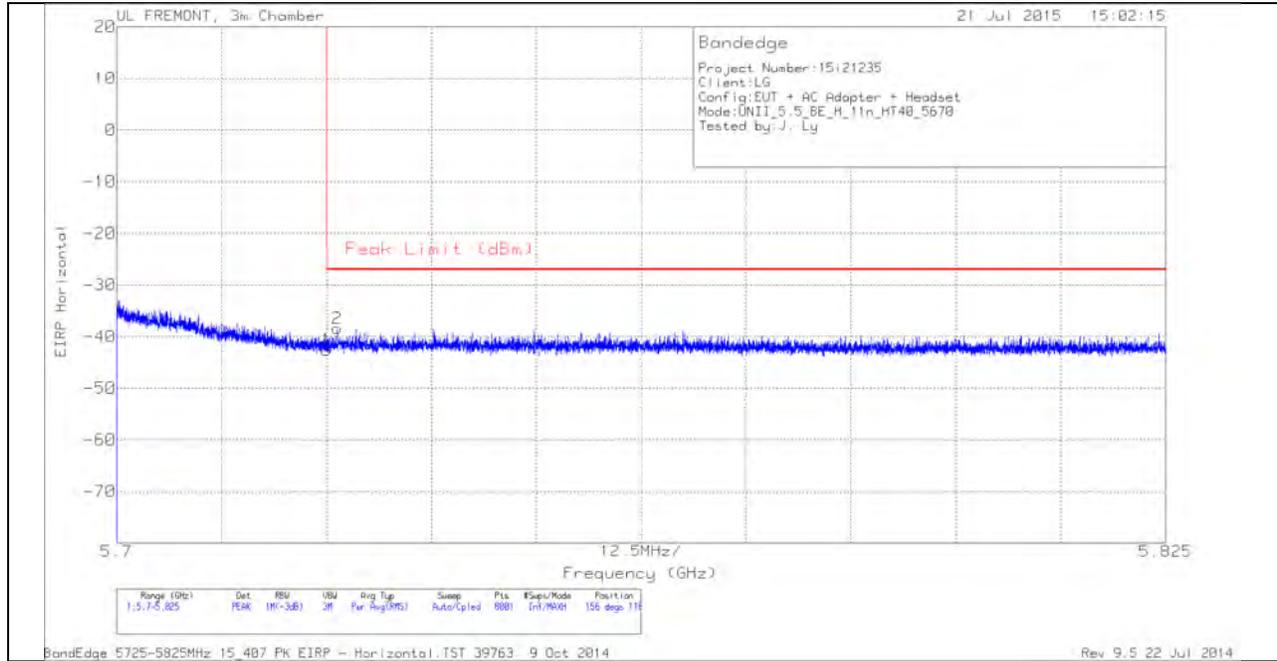


VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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
2	5.362	42.97	PK	34.5	-20.5	56.97	-	-	74	-17.03	248	306	V
1	5.46	39.37	PK	34.6	-20.7	53.27	-	-	74	-20.73	248	306	V
5	5.46	29.99	RMS	34.6	-20.7	43.89	54	-10.11	-	-	248	306	V
6	5.46	30.78	RMS	34.6	-20.7	44.68	54	-9.32	-	-	248	306	V
4	5.468	42.84	PK	34.6	-20.5	56.94	-	-	68.2	-11.26	248	306	V
3	5.47	41.03	PK	34.6	-20.6	55.03	-	-	68.2	-13.17	248	306	V
7	5.47	30.45	RMS	34.6	-20.6	44.45	-	-	-	-	248	306	V
8	5.47	31.26	RMS	34.6	-20.6	45.26	-	-	-	-	248	306	V

AUTHORIZED BANDEGE (HIGH CHANNEL)

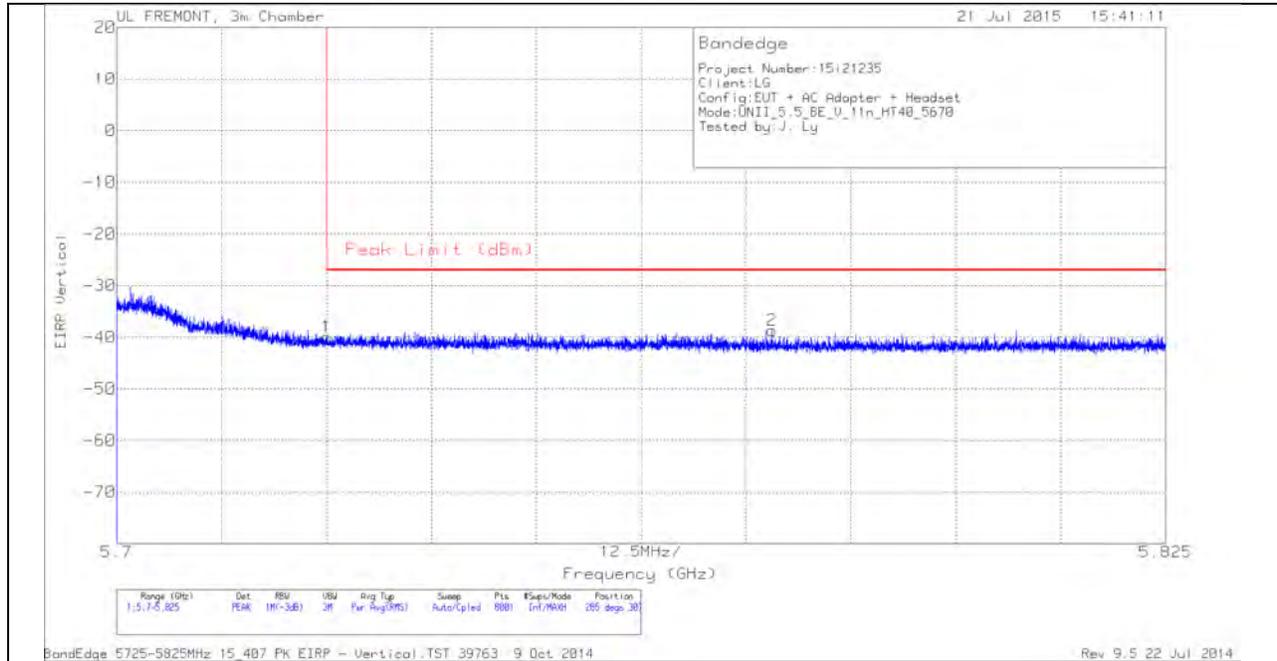
HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cb/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-68.89	PK	34.8	-20.3	11.8	-42.59	-27	-15.59	156	116	H
2	5.726	-64.69	PK	34.8	-20.3	11.8	-38.39	-27	-11.39	156	116	H

VERTICAL PEAK AND AVERAGE PLOT

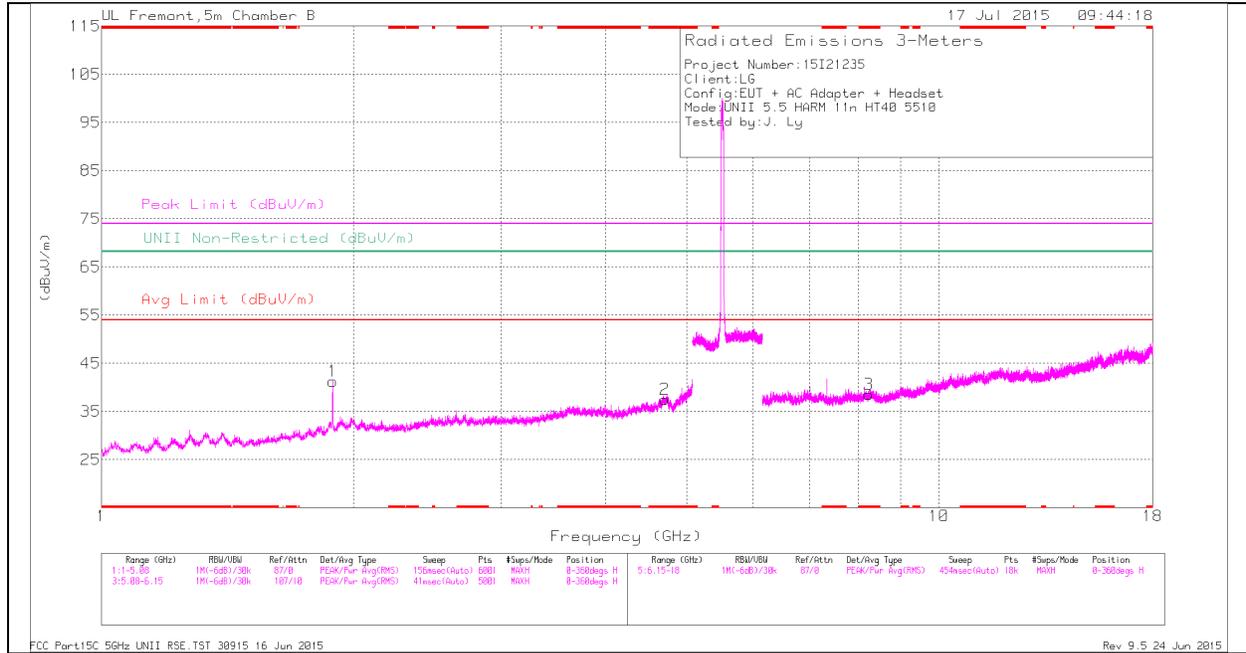


VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cbl/F Itr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-66.25	PK	34.8	-20.3	11.8	-39.95	-27	-12.95	285	307	V
2	5.778	-64.78	PK	34.8	-20.5	11.8	-38.68	-27	-11.68	285	307	V

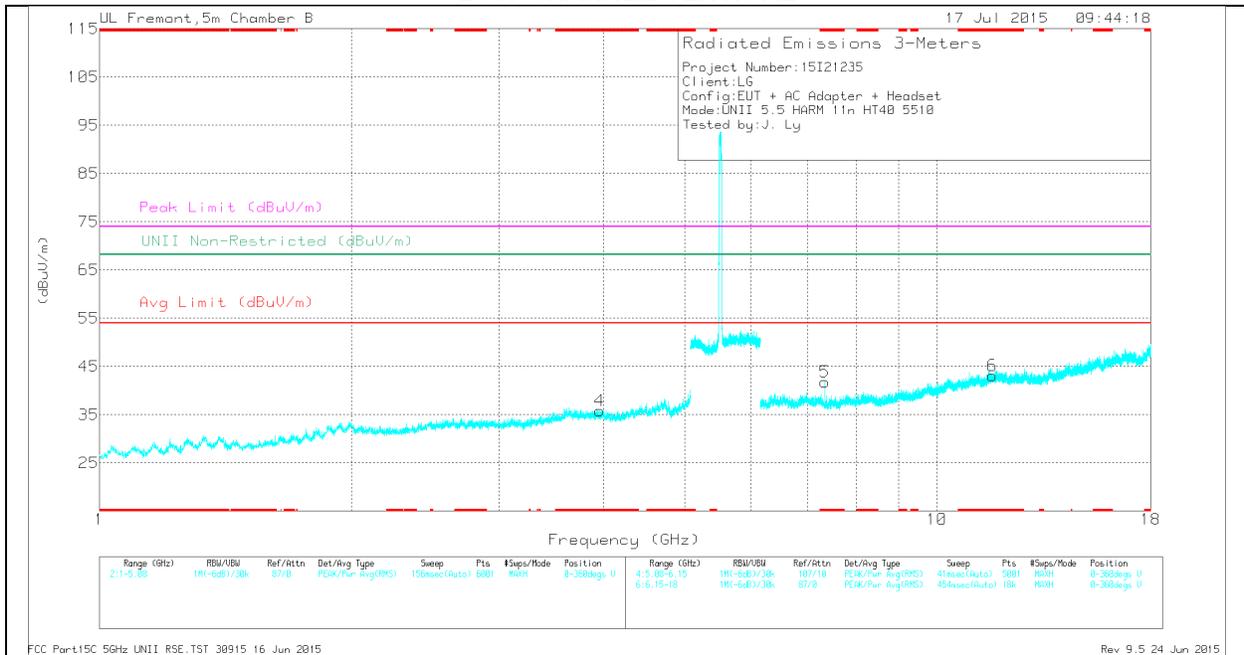
HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

TRACE MARKERS

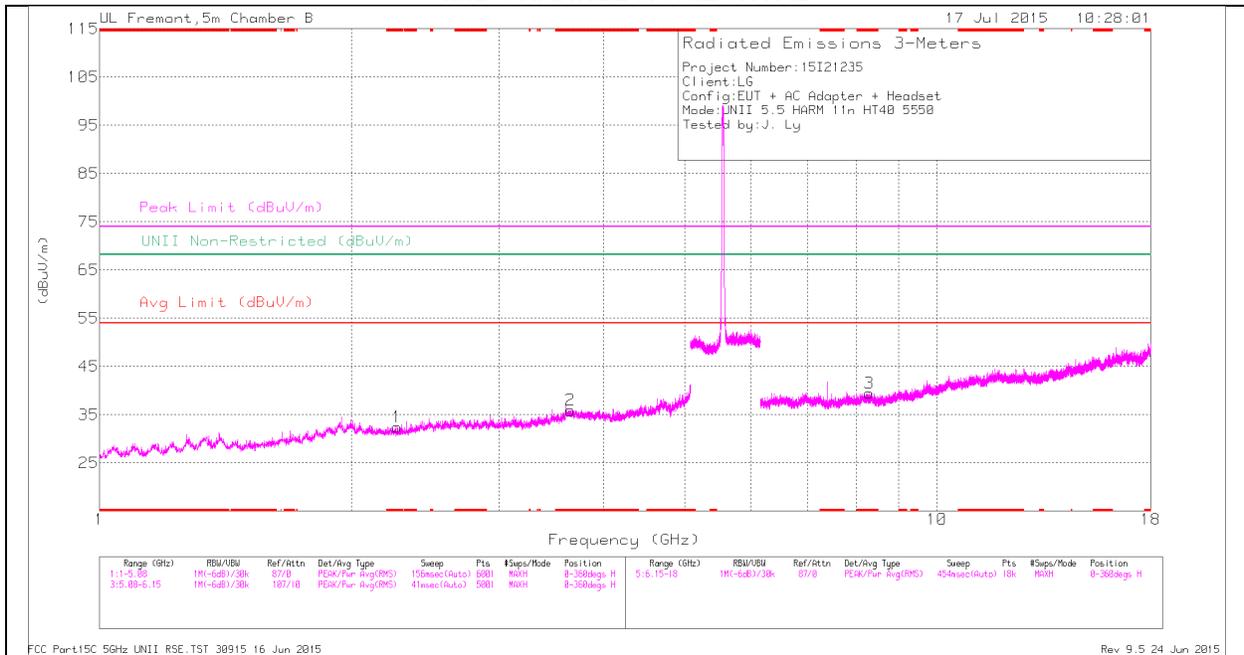
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Fitr /Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 4.709	32.88	Pk	34.2	-29.5	37.58	-	-	74	-36.42	-	-	0-360	200	H
4	* 3.956	31.81	Pk	33.4	-29.4	35.81	-	-	74	-38.19	-	-	0-360	101	V
3	* 8.245	28.45	Pk	35.7	-25.6	38.55	-	-	74	-35.45	-	-	0-360	199	H
5	* 7.347	34.19	Pk	35.3	-27.7	41.79	-	-	74	-32.21	-	-	0-360	101	V
6	* 11.648	26.05	Pk	38.5	-21.5	43.05	-	-	74	-30.95	-	-	0-360	101	V
1	1.889	41.73	Pk	31.7	-32.1	41.33	-	-	-	-	68.2	-26.87	0-360	200	H

PK - Peak detector

RADIATED EMISSIONS

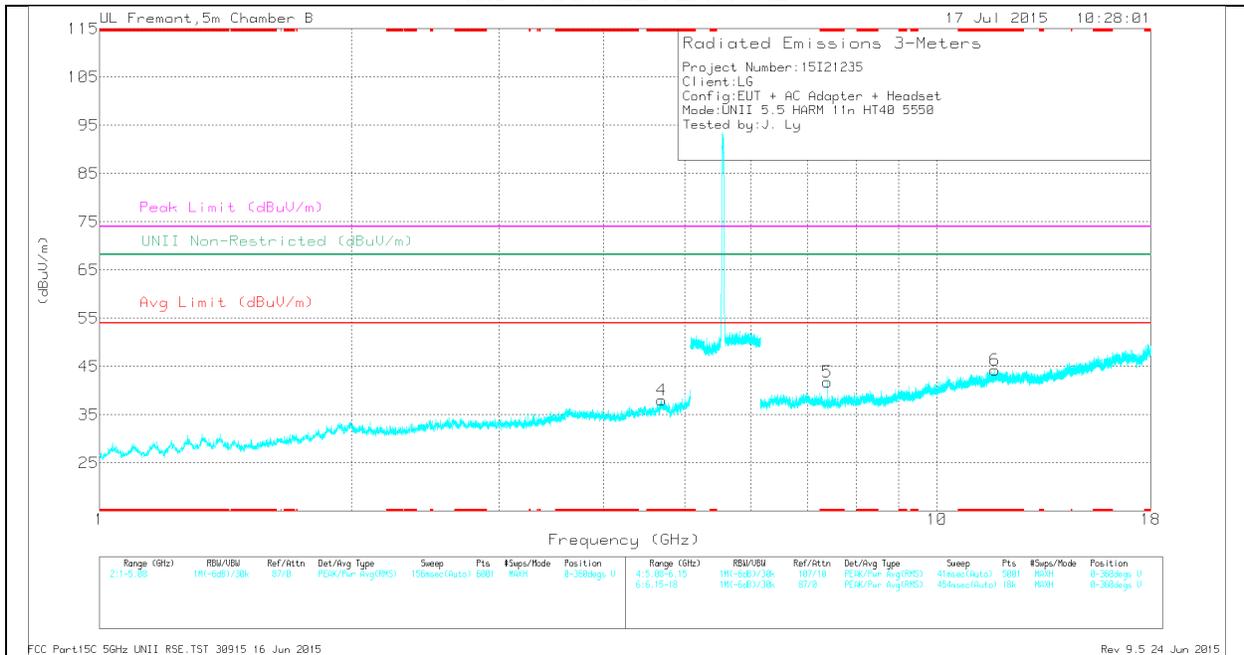
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Fitr /Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.709	41.94	PK-U	34.2	-29.5	46.64	-	-	74	-27.36	-	-	1	101	H
* 4.711	30.28	ADR	34.2	-29.5	34.98	54	-19.02	-	-	-	-	1	101	H
* 3.958	39.99	PK-U	33.4	-29.3	44.09	-	-	74	-29.91	-	-	1	101	V
* 3.958	28.7	ADR	33.4	-29.3	32.8	54	-21.2	-	-	-	-	1	101	V
* 8.244	36.79	PK-U	35.7	-25.7	46.79	-	-	74	-27.21	-	-	1	101	H
* 8.244	25.85	ADR	35.7	-25.7	35.85	54	-18.15	-	-	-	-	1	101	H
* 11.649	34.4	PK-U	38.5	-21.5	51.4	-	-	74	-22.6	-	-	1	101	V
* 11.649	23.35	ADR	38.5	-21.6	40.25	54	-13.75	-	-	-	-	1	101	V
* 7.347	38.28	PK-U	35.3	-27.7	48.15	-	-	74	-25.25	-	-	1	101	V
* 7.347	27.54	ADR	35.3	-27.7	35.14	54	-18.86	-	-	-	-	1	101	V
1.888	41.05	PK-U	31.7	-32.1	40.05	-	-	-	-	68.2	-27.55	1	101	H
1.888	29.52	ADR	31.7	-32.1	29.12	-	-	-	-	-	-	1	101	H

MID CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

TRACE MARKERS

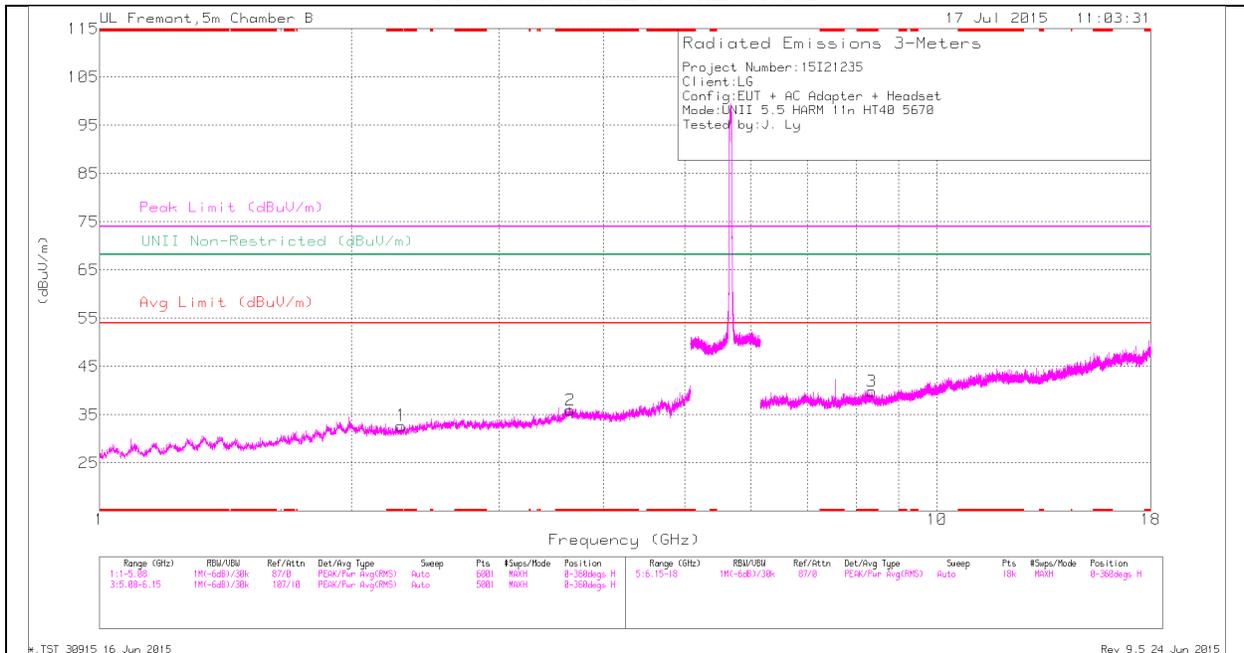
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Fitr /Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.267	33.18	Pk	31.4	-32.1	32.48	-	-	74	-41.52	-	-	0-360	101	H
2	* 3.651	32.5	Pk	33.7	-30.3	35.9	-	-	74	-38.1	-	-	0-360	199	H
4	* 4.687	32.9	Pk	34.2	-29.1	38	-	-	74	-36	-	-	0-360	101	V
3	* 8.299	28.92	Pk	35.7	-25.2	39.42	-	-	74	-34.58	-	-	0-360	101	H
5	* 7.4	33.47	Pk	35.4	-27.1	41.77	-	-	74	-32.23	-	-	0-360	101	V
6	* 11.727	27.28	Pk	38.5	-21.5	44.28	-	-	74	-29.72	-	-	0-360	101	V

PK - Peak detector

RADIATED EMISSIONS

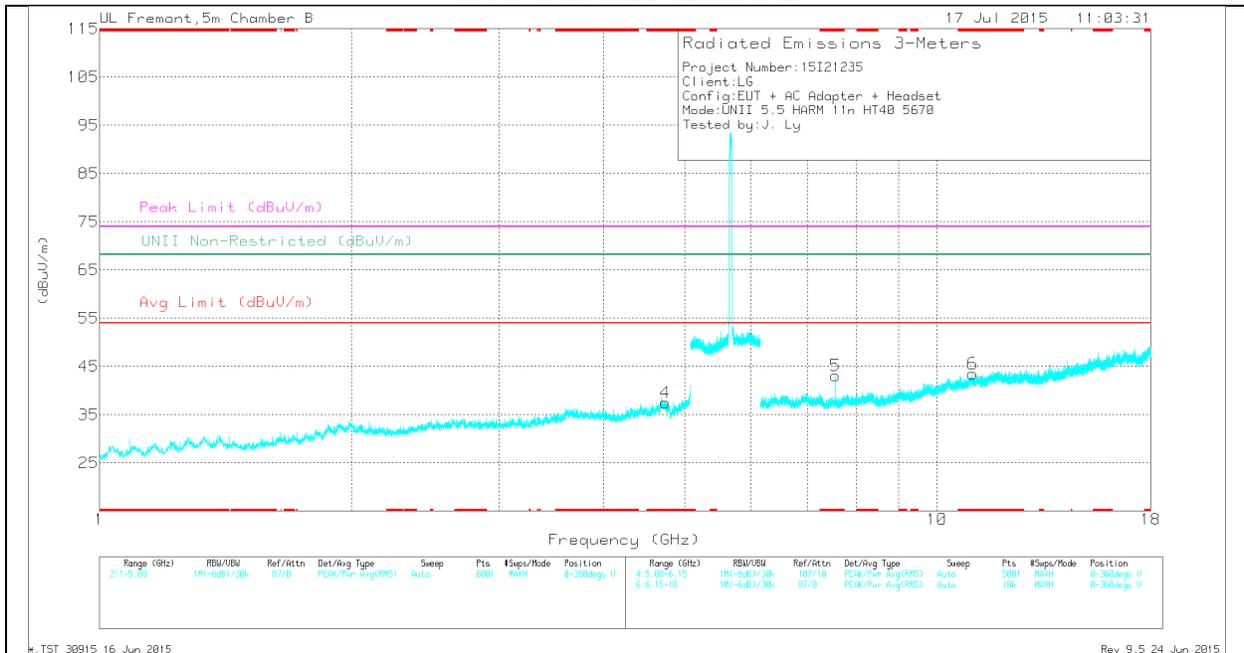
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.268	41.02	PK-U	31.4	-32.1	40.32	-	-	74	-33.68	-	-	1	101	H
* 2.269	29.48	ADR	31.4	-32.1	28.78	54	-25.22	-	-	-	-	1	101	H
* 3.652	40.41	PK-U	33.7	-30.3	43.81	-	-	74	-30.19	-	-	1	101	H
* 3.653	29.22	ADR	33.7	-30.3	32.62	54	-21.38	-	-	-	-	1	101	H
* 4.687	40.59	PK-U	34.2	-29.1	45.69	-	-	74	-28.31	-	-	1	101	V
* 4.688	29.54	ADR	34.2	-29.1	34.64	54	-19.36	-	-	-	-	1	101	V
* 8.299	37.01	PK-U	35.7	-25.2	47.51	-	-	74	-26.49	-	-	1	101	H
* 8.297	25.82	ADR	35.7	-25.3	36.22	54	-17.78	-	-	-	-	1	101	H
* 7.4	37.88	PK-U	35.4	-27.1	48.1	-	-	74	-25.9	-	-	1	101	V
* 7.4	26.47	ADR	35.4	-27.1	34.77	54	-19.23	-	-	-	-	1	101	V
* 11.727	34.16	PK-U	38.5	-21.5	51.16	-	-	74	-22.84	-	-	1	101	V
* 11.729	23.2	ADR	38.5	-21.5	40.2	54	-13.8	-	-	-	-	1	101	V

HIGH CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Fitr /Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.292	33.58	Pk	31.5	-32.3	32.78	-	-	74	-41.22	-	-	0-360	199	H
2	* 3.652	32.62	Pk	33.7	-30.3	36.02	-	-	74	-37.98	-	-	0-360	101	H
4	* 4.743	32.16	Pk	34.3	-28.9	37.56	-	-	74	-36.44	-	-	0-360	101	V
3	* 8.358	28.72	Pk	35.7	-24.6	39.82	-	-	74	-34.18	-	-	0-360	101	H
5	* 7.56	33.14	Pk	35.4	-25.4	43.14	-	-	74	-30.86	-	-	0-360	101	V
6	* 11.033	27.44	Pk	37.7	-21.7	43.44	-	-	74	-30.56	-	-	0-360	101	V

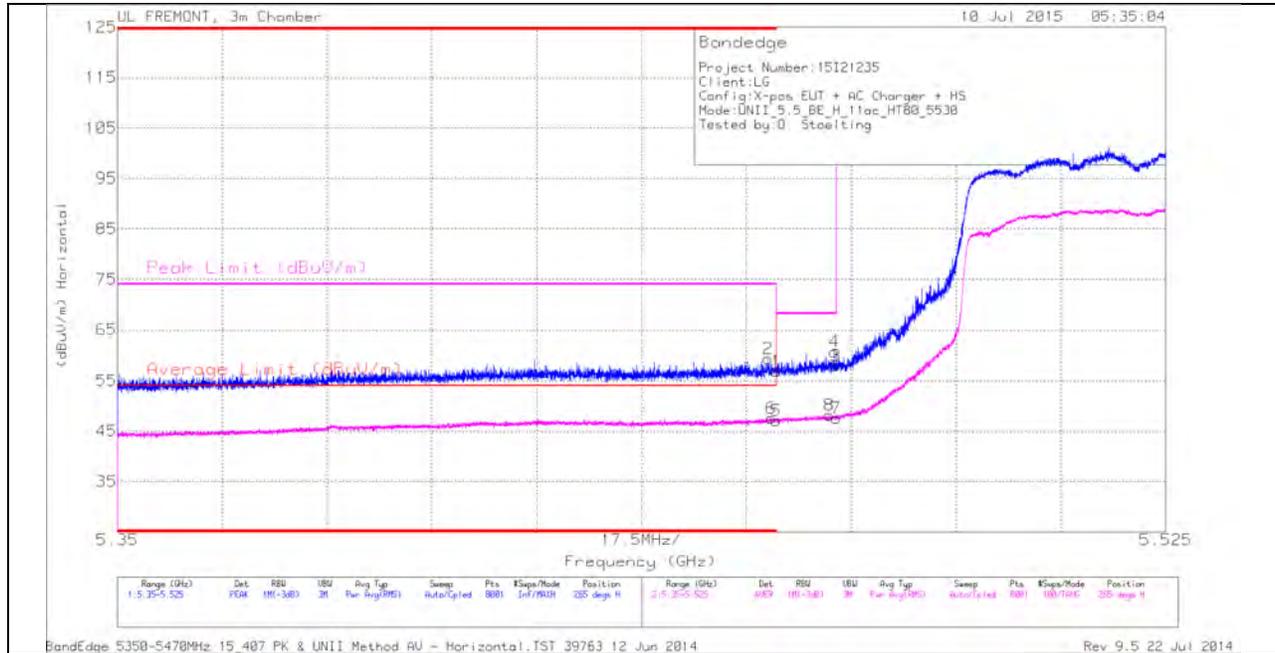
PK - Peak detector

RADIATED EMISSIONS

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
* 2.292	41.27	PK-U	31.5	-32.3	40.47	-	-	74	-33.53	-	-	0	101	H
* 2.293	29.68	ADR	31.5	-32.3	28.88	54	-25.12	-	-	-	-	0	101	H
* 3.652	40.37	PK-U	33.7	-30.3	43.77	-	-	74	-30.23	-	-	0	101	H
* 3.651	29.23	ADR	33.7	-30.3	32.63	54	-21.37	-	-	-	-	0	101	H
* 4.741	40.46	PK-U	34.3	-28.9	45.86	-	-	74	-28.14	-	-	0	101	V
* 4.741	29.28	ADR	34.3	-28.9	34.68	54	-19.32	-	-	-	-	0	101	V
* 8.359	36.3	PK-U	35.7	-24.7	47.3	-	-	74	-26.7	-	-	0	101	H
* 8.359	25.34	ADR	35.7	-24.7	36.34	54	-17.66	-	-	-	-	0	101	H
* 7.561	36.33	PK-U	35.4	-25.4	50.4	-	-	74	-23.6	-	-	0	101	V
* 7.559	25.45	ADR	35.4	-25.4	35.45	54	-18.55	-	-	-	-	0	101	V
* 11.033	34.3	PK-U	37.7	-21.7	50.3	-	-	74	-23.7	-	-	0	101	V
* 11.034	23.29	ADR	37.7	-21.7	39.29	54	-14.71	-	-	-	-	0	101	V

11.2.4. TX ABOVE 1 GHz 802.11ac HT80 MODE IN THE 5.5 GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

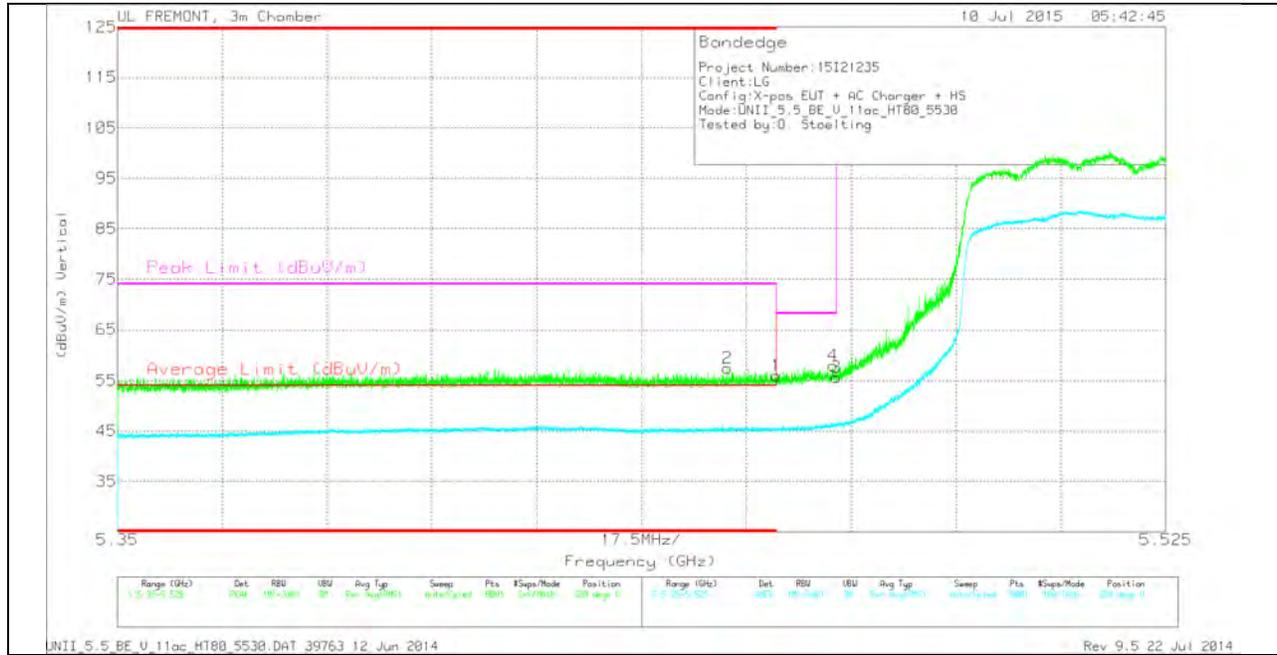
HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	DC Corr (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	42.99	PK	34.6	-20.7	0	56.89	-	-	74	-17.11	265	268	H
2	* 5.459	45.3	PK	34.6	-20.6	0	59.3	-	-	74	-14.7	265	268	H
5	* 5.46	33.1	RMS	34.6	-20.7	.09	47.09	54	-6.91	-	-	265	268	H
6	* 5.459	33.56	RMS	34.6	-20.7	.09	47.55	54	-6.45	-	-	265	268	H
8	5.469	34.11	RMS	34.6	-20.6	.09	48.2	-	-	-	-	265	268	H
3	5.47	44.03	PK	34.6	-20.6	0	58.03	-	-	68.2	-10.17	265	268	H
4	5.47	46.72	PK	34.6	-20.6	0	60.72	-	-	68.2	-7.48	265	268	H
7	5.47	33.48	RMS	34.6	-20.6	.09	47.57	-	-	-	-	265	268	H

VERTICAL PEAK AND AVERAGE PLOT

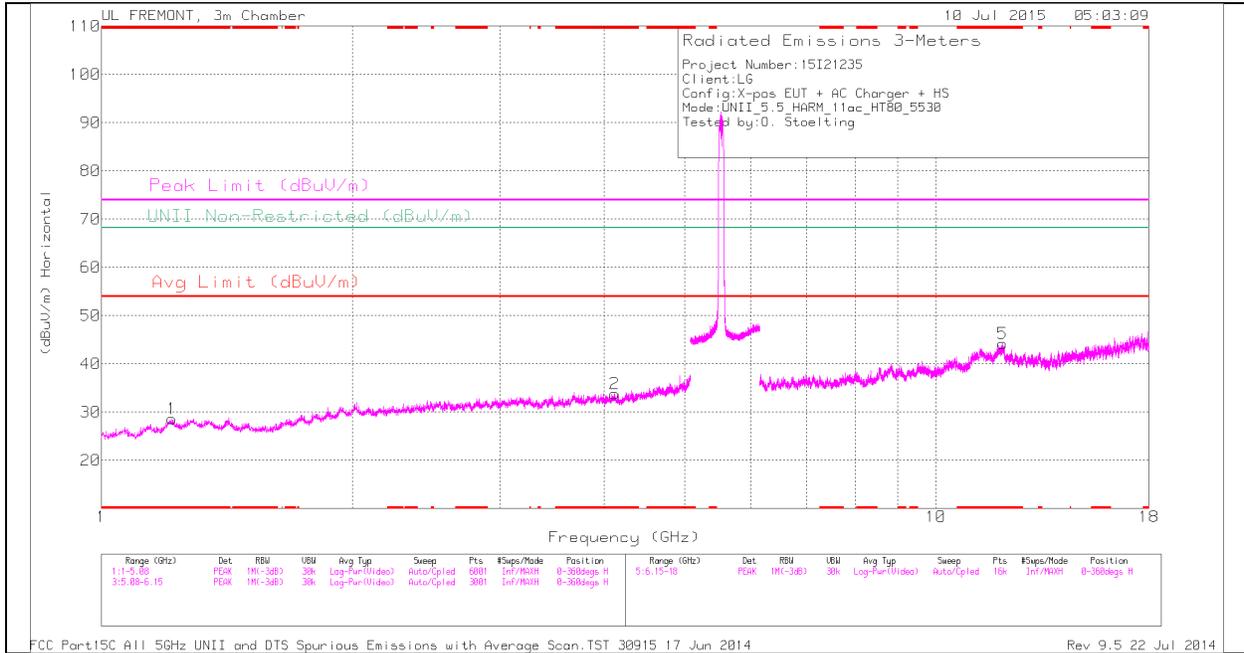


VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	DC Corr (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	42.05	PK	34.6	-20.7	0	55.95	-	-	74	-18.05	320	303	V
2	* 5.452	43.48	PK	34.6	-20.6	0	57.48	-	-	74	-16.52	320	303	V
5	* 5.46	31.24	RMS	34.6	-20.7	.09	45.23	54	-8.77	-	-	320	303	V
6	* 5.42	31.87	RMS	34.6	-20.5	.09	46.06	54	-7.94	-	-	320	303	V
4	5.469	43.97	PK	34.6	-20.6	0	57.97	-	-	68.2	-10.23	320	303	V
3	5.47	41.63	PK	34.6	-20.6	0	55.63	-	-	68.2	-12.57	320	303	V
7	5.47	31.98	RMS	34.6	-20.6	.09	46.07	-	-	-	-	320	303	V
8	5.47	32.51	RMS	34.6	-20.6	.09	46.6	-	-	-	-	320	303	V

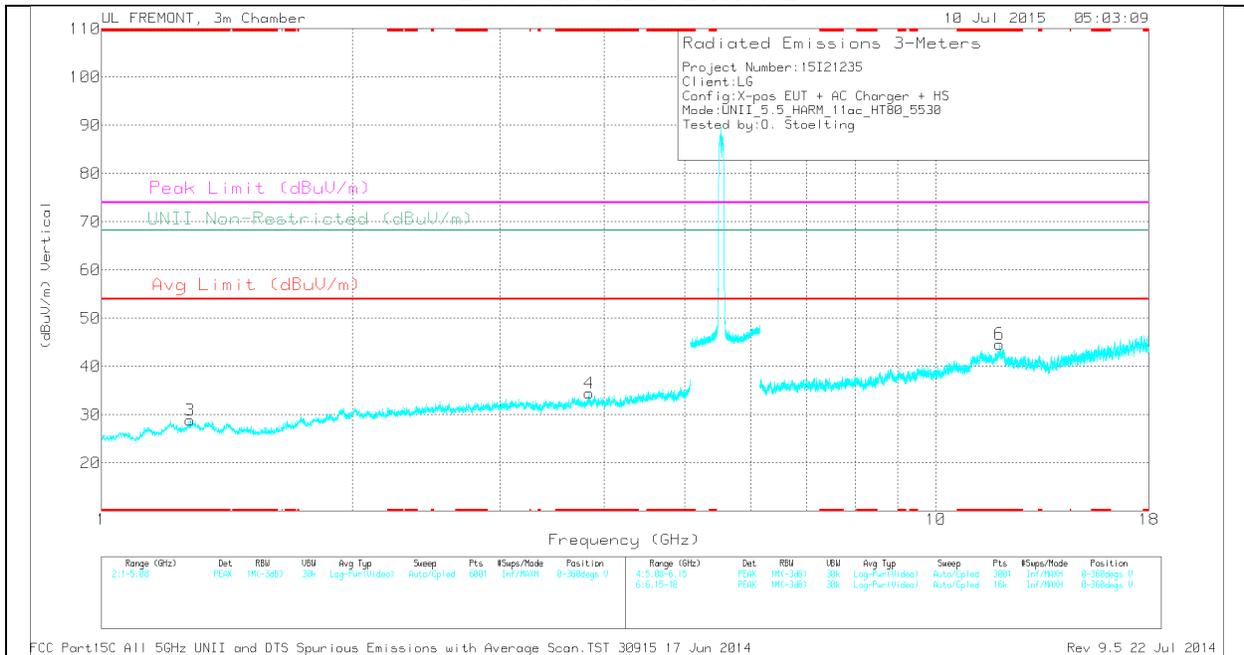
HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.216	32.19	PK	29.1	-32.7	0	28.59	-	-	74	-45.41	-	-	0-360	100	H
2	* 4.123	30.89	PK	33.3	-30.4	0	33.79	-	-	74	-40.21	-	-	0-360	200	H
3	* 1.277	32.2	PK	29.7	-33	0	28.9	-	-	74	-45.1	-	-	0-360	200	V
4	* 3.838	31.47	PK	33.1	-30.1	0	34.47	-	-	74	-39.53	-	-	0-360	100	V
5	* 12.017	28.65	PK	39.1	-23.6	0	44.15	-	-	74	-29.85	-	-	0-360	100	H
6	* 11.921	29.16	PK	39.1	-23.6	0	44.66	-	-	74	-29.34	-	-	0-360	100	V

PK - Peak detector

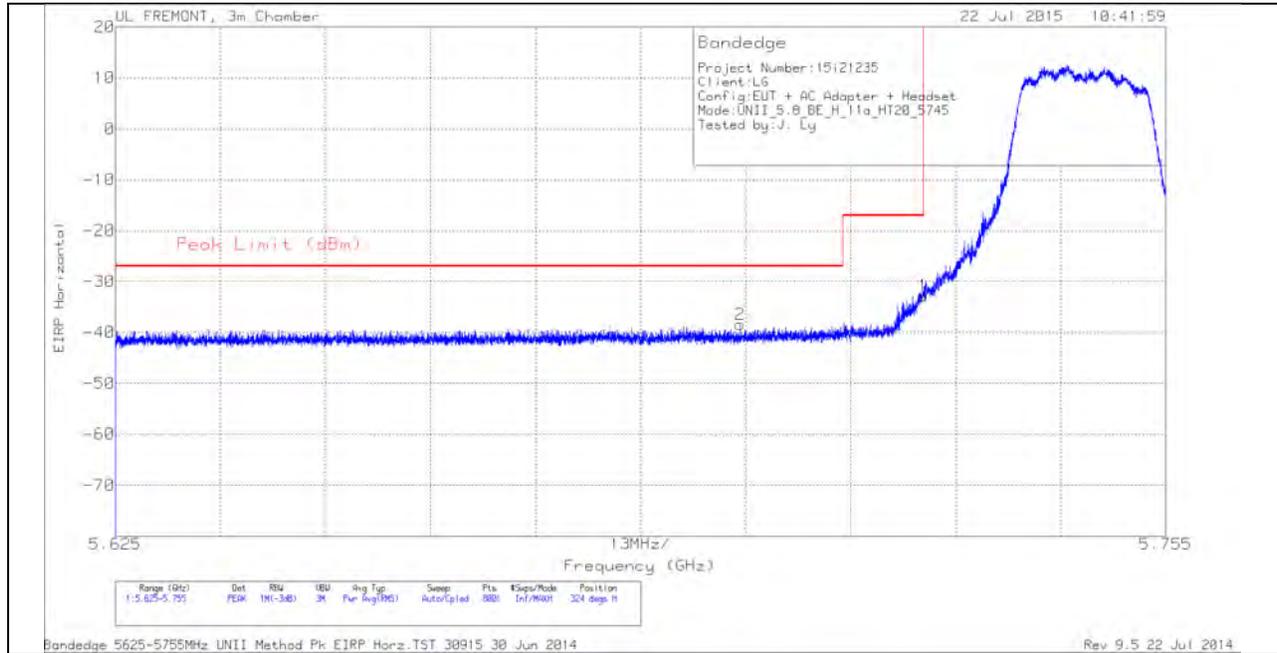
RADIATED EMISSIONS

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.214	41.43	PK1	29.1	-32.7	0	37.83	-	-	74	-36.17	-	-	66	100	H
* 1.214	29.82	AD1	29.1	-32.7	.09	26.31	54	-27.69	-	-	-	-	66	100	H
* 4.121	40.82	PK1	33.3	-30.4	0	43.72	-	-	74	-30.28	-	-	66	200	H
* 4.121	28.82	AD1	33.3	-30.4	.09	31.81	54	-22.19	-	-	-	-	66	200	H
* 1.279	41.61	PK1	29.7	-33	0	38.31	-	-	74	-35.69	-	-	66	200	V
* 1.279	29.79	AD1	29.7	-33	.09	26.58	54	-27.42	-	-	-	-	66	200	V
* 3.839	40.5	PK1	33.1	-30.2	0	43.4	-	-	74	-30.6	-	-	66	100	V
* 3.838	28.71	AD1	33.1	-30.1	.09	31.8	54	-22.2	-	-	-	-	66	100	V
* 12.018	37.25	PK1	39.1	-23.6	0	52.75	-	-	74	-21.25	-	-	66	100	H
* 12.018	25.35	AD1	39.1	-23.6	.09	40.94	54	-13.06	-	-	-	-	66	100	H
* 11.92	37.08	PK1	39.1	-23.6	0	52.58	-	-	74	-21.42	-	-	352	106	V
* 11.923	25.09	AD1	39.1	-23.6	.09	40.68	54	-13.32	-	-	-	-	352	106	V

11.3. 5.8 GHz

11.3.1. TX ABOVE 1 GHz 802.11a MODE IN THE 5.8 GHz BAND HARMONICS AND SPURIOUS EMISSIONS

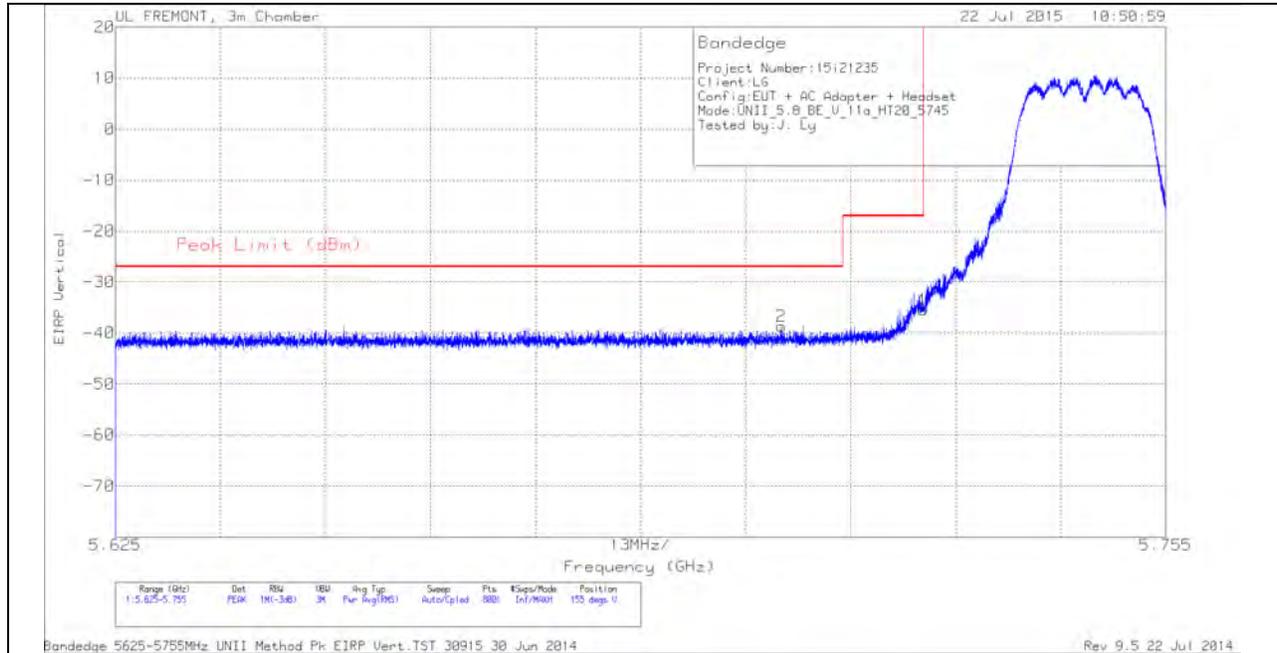
HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.702	-64.48	PK	34.7	-20.4	11.8	-38.38	-27	-11.38	324	103	H
1	5.725	-59.08	PK	34.8	-20.3	11.8	-32.78	-17	-15.78	324	103	H

VERTICAL PEAK AND AVERAGE PLOT

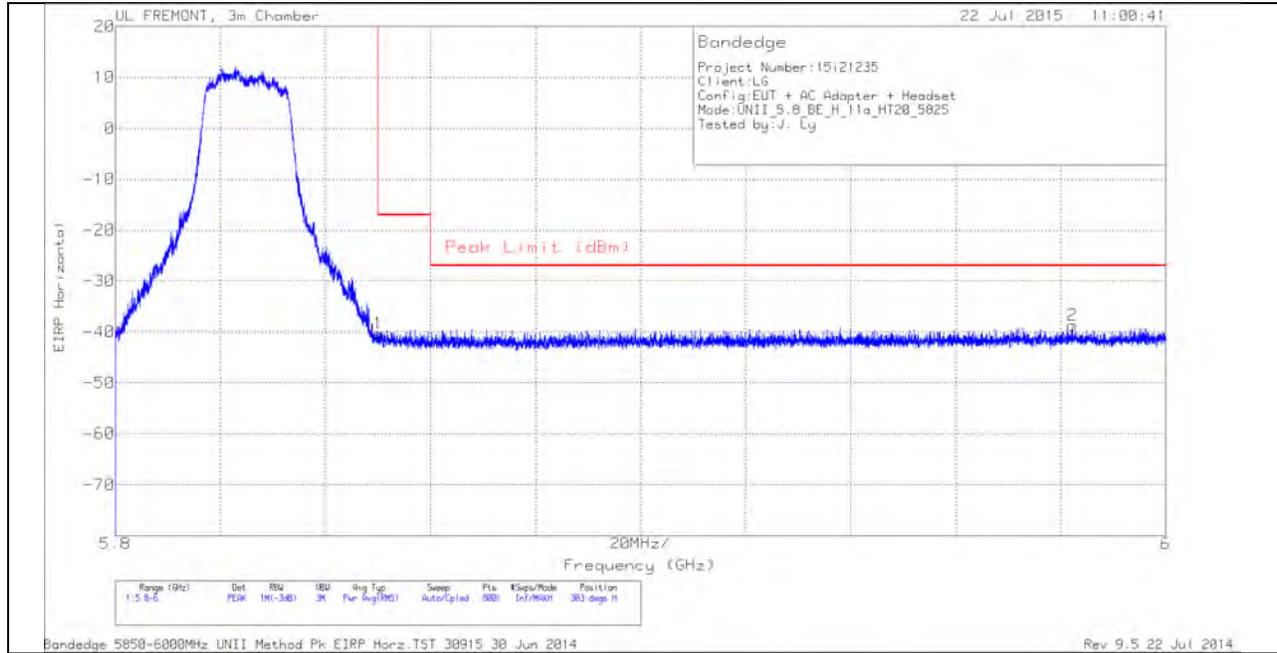


VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cb/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.707	-64.85	PK	34.7	-20.3	11.8	-38.65	-27	-11.65	155	102	V
1	5.725	-61.83	PK	34.8	-20.3	11.8	-35.53	-17	-18.53	155	102	V

AUTHORIZED BANDEGE (HIGH CHANNEL)

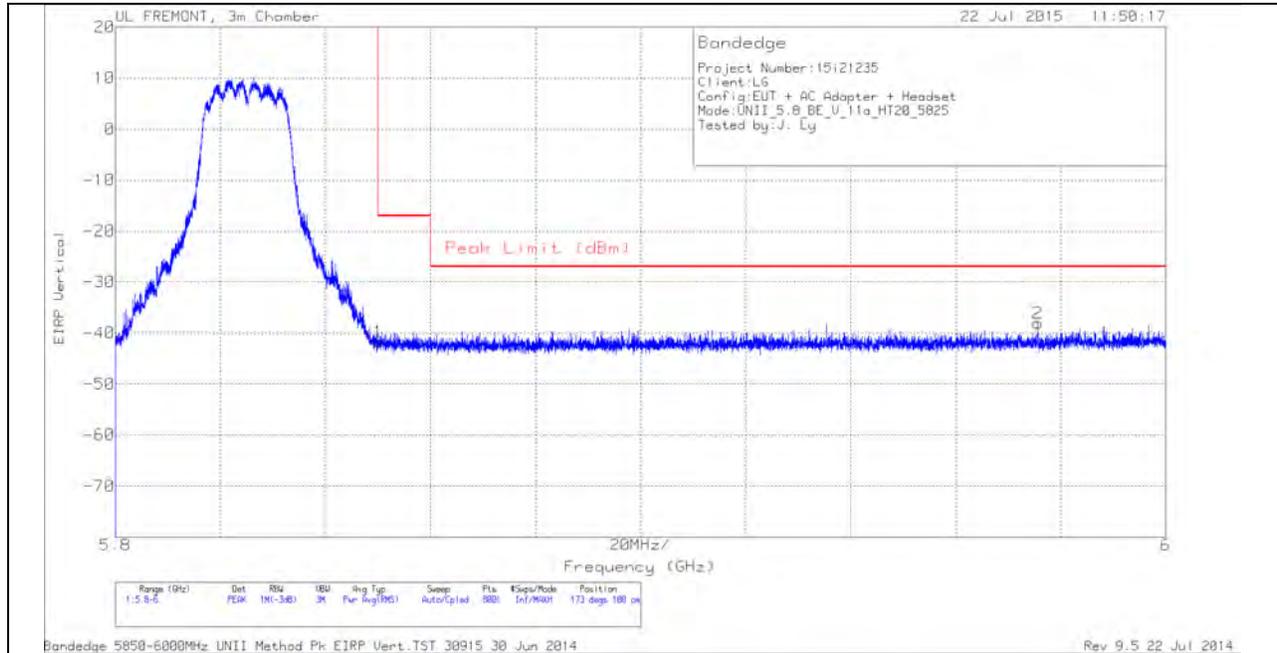
HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cbl/F Itr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-66.36	PK	34.9	-20.6	11.8	-40.26	-17	-23.26	303	340	H
2	5.982	-65.63	PK	35.2	-20	11.8	-38.63	-27	-11.63	303	340	H

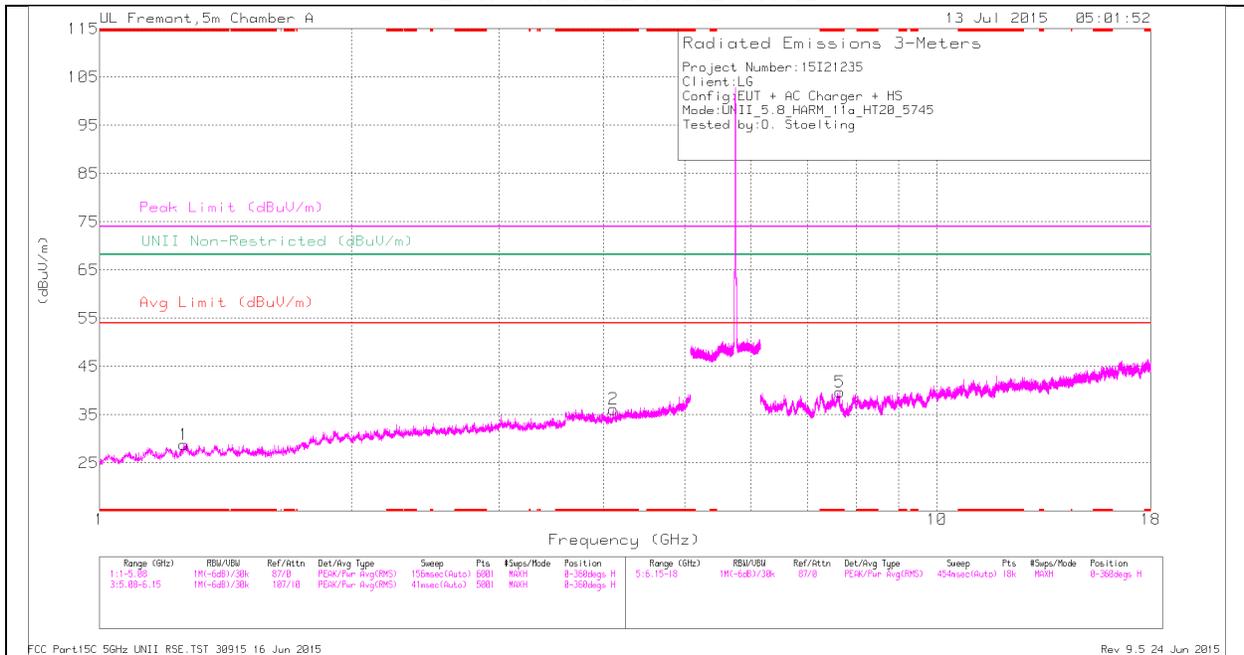
VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

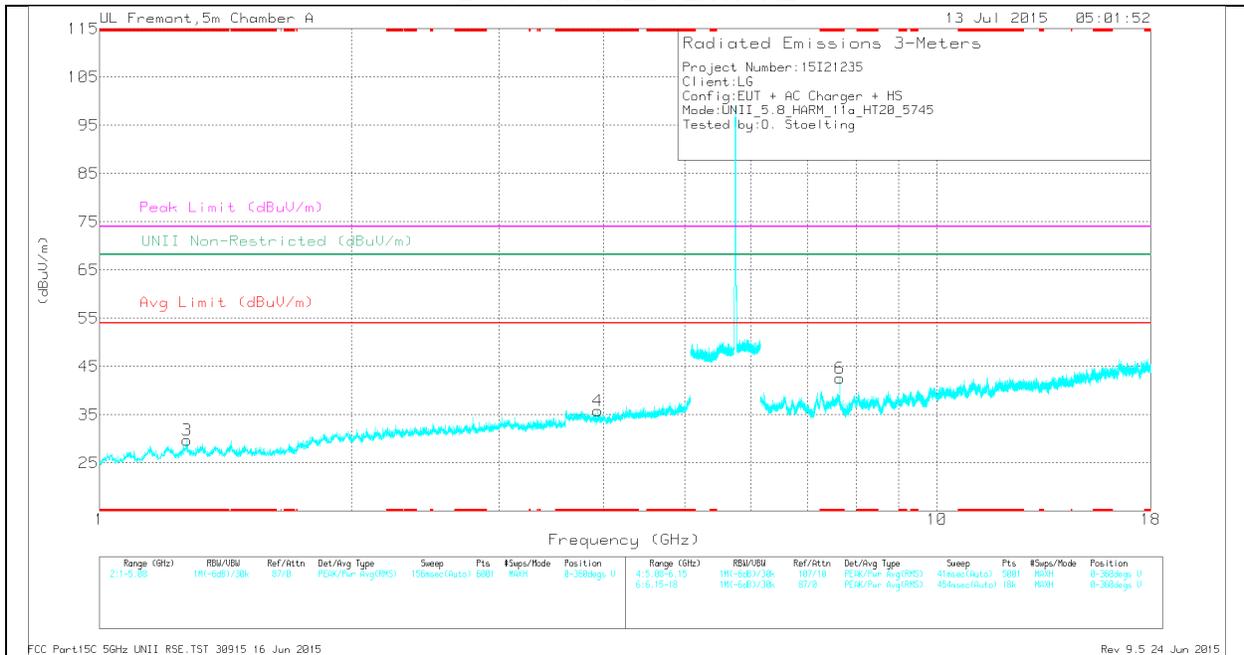
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cb/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-67.82	PK	34.9	-20.6	11.8	-41.72	-17	-24.72	173	100	V
2	5.976	-64.81	PK	35.1	-20.2	11.8	-38.11	-27	-11.11	173	100	V

LOW CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

TRACE MARKERS

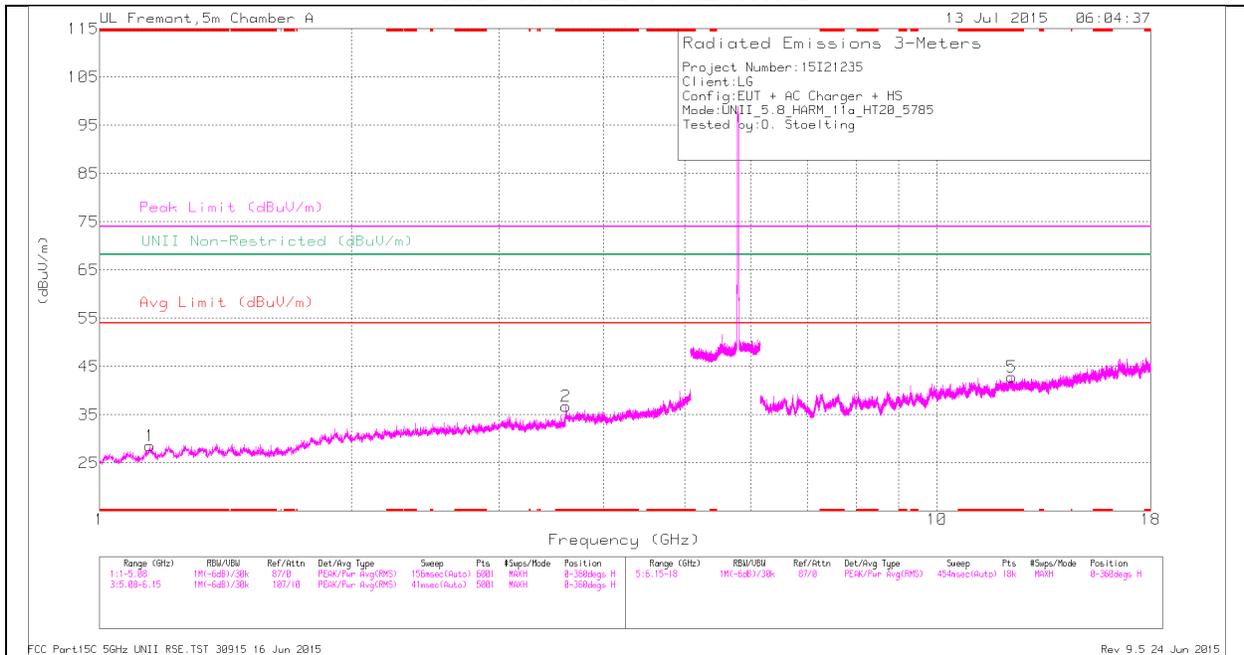
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.26	36.08	Pk	28.5	-35.8	28.78	-	-	74	-45.22	-	-	0-360	201	H
2	* 4.106	35.16	Pk	33.3	-32.3	36.16	-	-	74	-37.84	-	-	0-360	201	H
3	* 1.273	37.03	Pk	28.6	-35.9	29.73	-	-	74	-44.27	-	-	0-360	200	V
4	* 3.938	34.85	Pk	33.4	-32.4	35.85	-	-	74	-38.15	-	-	0-360	100	V
5	* 7.66	30.97	Pk	35.6	-26.8	39.77	-	-	74	-34.23	-	-	0-360	100	H
6	* 7.66	33.84	Pk	35.6	-26.8	42.64	-	-	74	-31.36	-	-	0-360	100	V

PK - Peak detector

RADIATED EMISSIONS

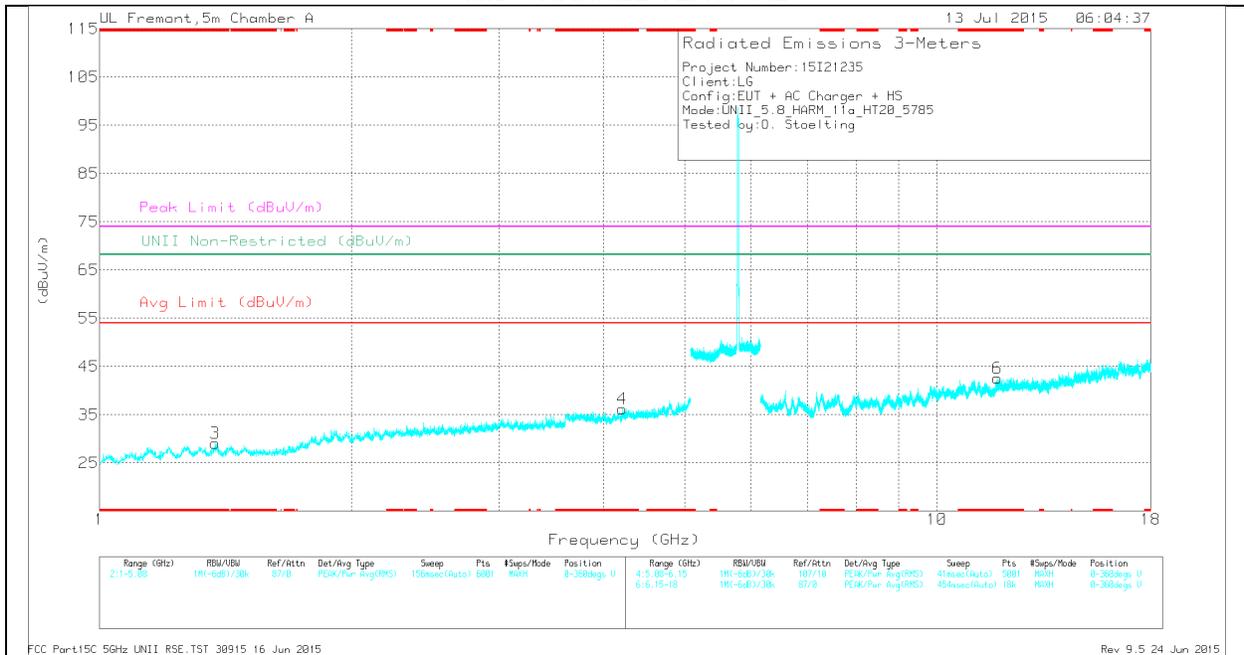
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.258	44.04	PK-U	28.5	-35.8	36.74	-	-	74	-37.26	-	-	360	202	H
* 1.262	32.51	ADR	28.5	-35.8	25.21	54	-28.79	-	-	-	-	360	202	H
* 4.107	41.77	PK-U	33.3	-32.3	42.77	-	-	74	-31.23	-	-	360	202	H
* 4.107	31.05	ADR	33.3	-32.3	32.05	54	-21.95	-	-	-	-	360	202	H
* 1.273	44.39	PK-U	28.6	-35.9	37.09	-	-	74	-36.91	-	-	360	202	V
* 1.272	32.6	ADR	28.6	-35.9	25.3	54	-28.7	-	-	-	-	360	202	V
* 3.938	42.2	PK-U	33.4	-32.4	43.2	-	-	74	-30.8	-	-	360	100	V
* 3.938	30.89	ADR	33.4	-32.4	31.89	54	-22.11	-	-	-	-	360	100	V
* 7.66	37.45	PK-U	35.6	-26.8	46.25	-	-	74	-27.75	-	-	29	257	H
* 7.66	27.89	ADR	35.6	-26.8	36.69	54	-17.31	-	-	-	-	29	257	H
* 7.66	39.83	PK-U	35.6	-26.8	48.63	-	-	74	-25.37	-	-	2	104	V
* 7.66	30.72	ADR	35.6	-26.8	39.52	54	-14.48	-	-	-	-	2	104	V

MID CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

TRACE MARKERS

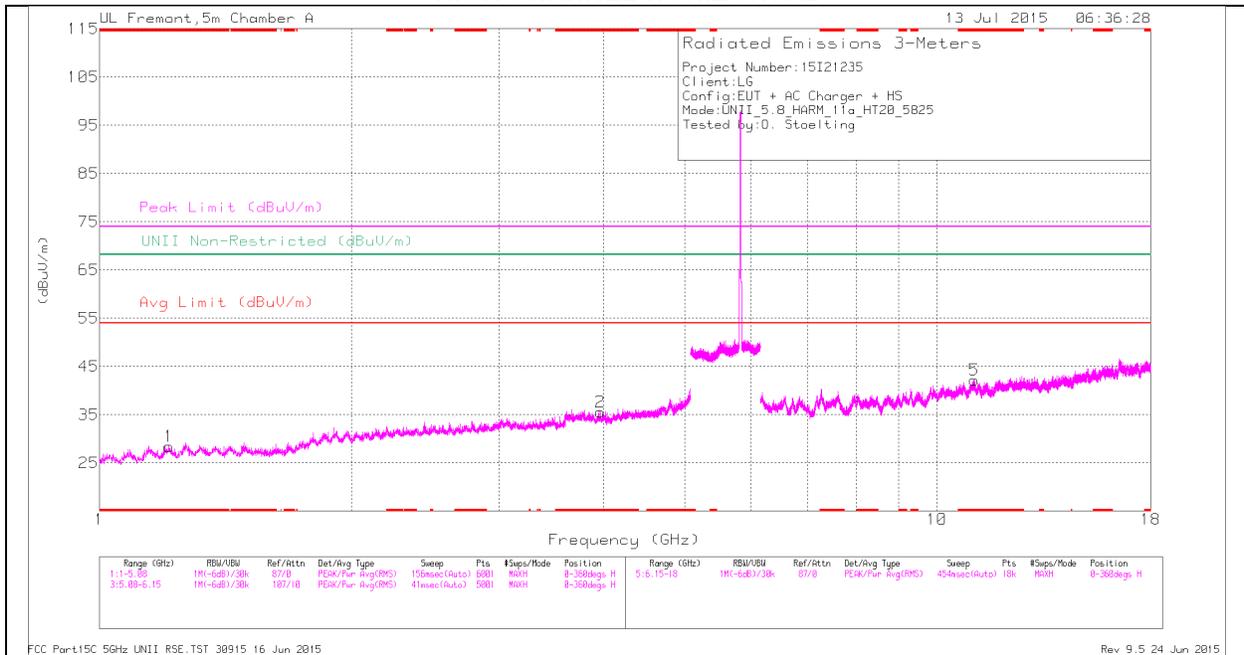
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Ftr /Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.148	36.34	Pk	27.6	-35.4	28.54	-	-	74	-45.46	-	-	0-360	100	H
2	* 3.608	36.69	Pk	33.1	-33	36.79	-	-	74	-37.21	-	-	0-360	201	H
3	* 1.375	36.42	Pk	28.6	-35.9	29.12	-	-	74	-44.88	-	-	0-360	200	V
4	* 4.207	34.77	Pk	33.3	-31.8	36.27	-	-	74	-37.73	-	-	0-360	100	V
5	* 12.289	27.3	Pk	38.9	-23.3	42.9	-	-	74	-31.1	-	-	0-360	100	H
6	* 11.803	27.48	Pk	38.4	-23.3	42.58	-	-	74	-31.42	-	-	0-360	100	V

PK - Peak detector

RADIATED EMISSIONS

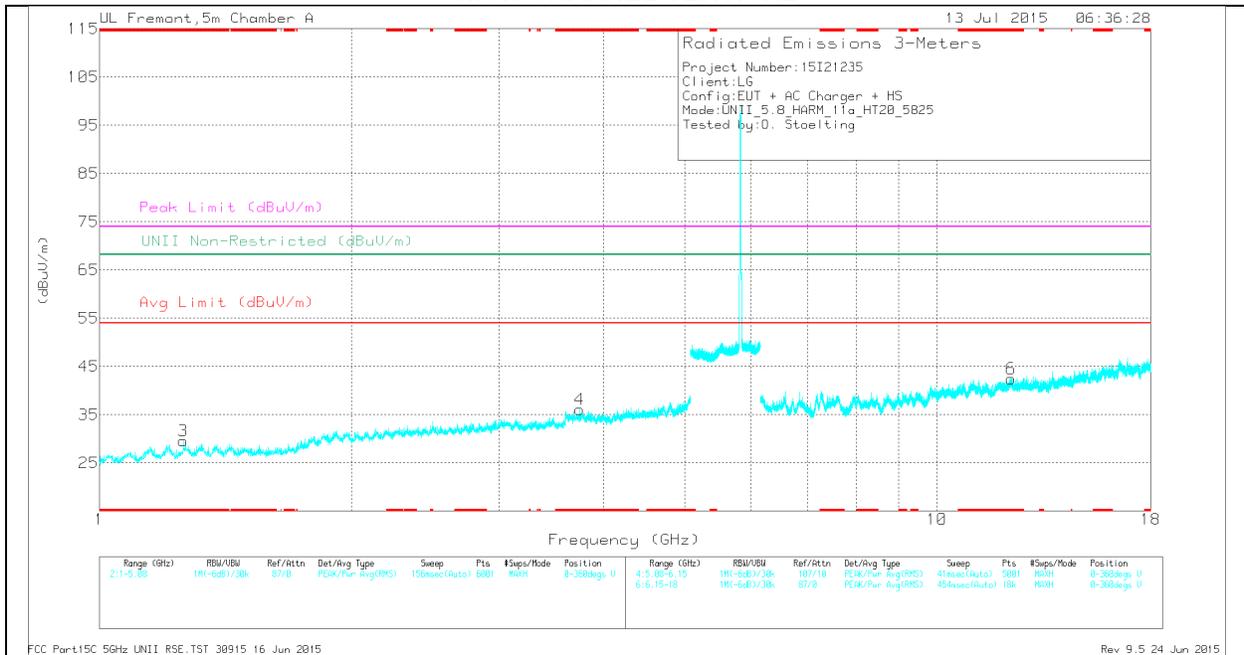
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Ftr /Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.149	44.49	PK-U	27.6	-35.4	36.69	-	-	74	-37.31	-	-	1	100	H
* 1.147	32.75	ADR	27.6	-35.4	24.95	54	-29.05	-	-	-	-	1	100	H
* 3.609	42.78	PK-U	33.1	-33	42.88	-	-	74	-31.12	-	-	1	202	H
* 3.606	31.31	ADR	33.1	-33	31.41	54	-22.59	-	-	-	-	1	202	H
* 1.376	44.59	PK-U	28.6	-35.9	37.29	-	-	74	-36.71	-	-	1	202	V
* 1.375	32.67	ADR	28.6	-35.9	25.37	54	-28.63	-	-	-	-	1	202	V
* 4.208	42.14	PK-U	33.3	-31.8	43.64	-	-	74	-30.36	-	-	1	100	V
* 4.209	30.46	ADR	33.3	-31.7	32.06	54	-21.94	-	-	-	-	1	100	V
* 12.287	33.97	PK-U	38.9	-23.3	49.57	-	-	74	-24.43	-	-	1	100	H
* 12.289	23.19	ADR	38.9	-23.3	38.79	54	-15.21	-	-	-	-	1	100	H
* 11.804	34.62	PK-U	38.4	-23.3	49.72	-	-	74	-24.28	-	-	302	350	V
* 11.804	22.58	ADR	38.4	-23.3	37.68	54	-16.32	-	-	-	-	302	350	V

HIGH CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr /Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.209	35.82	Pk	28.1	-35.5	28.42	-	-	74	-45.58	-	-	0-360	100	H
2	* 3.966	34.21	Pk	33.4	-32	35.61	-	-	74	-38.39	-	-	0-360	100	H
3	* 1.259	36.92	Pk	28.5	-35.8	29.62	-	-	74	-44.38	-	-	0-360	200	V
4	* 3.746	35.23	Pk	33.3	-32.4	36.13	-	-	74	-37.87	-	-	0-360	200	V
5	* 11.085	27.1	Pk	37.9	-22.8	42.2	-	-	74	-31.8	-	-	0-360	100	H
6	* 12.266	26.55	Pk	38.9	-23	42.45	-	-	74	-31.55	-	-	0-360	200	V

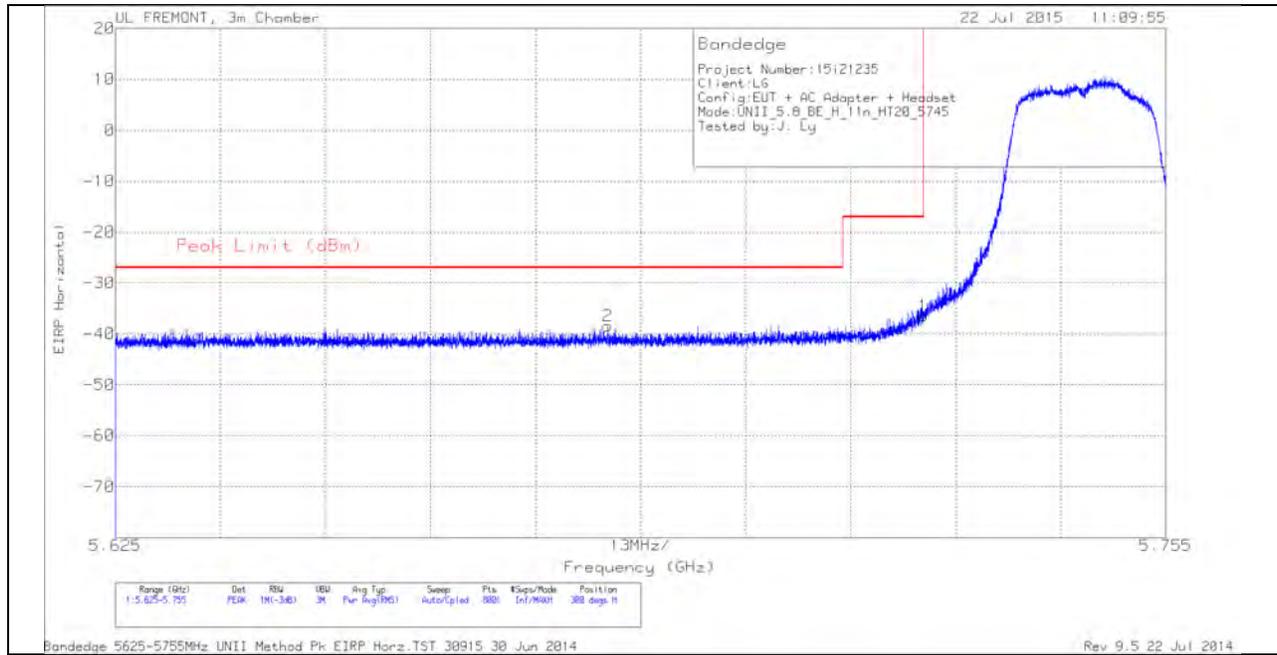
PK - Peak detector

RADIATED EMISSIONS

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
* 1.208	44.35	PK-U	28.1	-35.5	36.95	-	-	74	-37.05	-	-	360	100	H
* 1.21	32.91	ADR	28.1	-35.5	25.51	54	-28.49	-	-	-	-	360	100	H
* 3.966	41.2	PK-U	33.4	-32	42.6	-	-	74	-31.4	-	-	360	100	H
* 3.964	29.92	ADR	33.4	-32	31.32	54	-22.68	-	-	-	-	360	100	H
* 1.261	44.57	PK-U	28.5	-35.8	37.27	-	-	74	-36.73	-	-	360	201	V
* 1.261	32.39	ADR	28.5	-35.8	25.09	54	-28.91	-	-	-	-	360	201	V
* 3.745	42.44	PK-U	33.3	-32.4	43.34	-	-	74	-30.66	-	-	360	201	V
* 3.746	30.68	ADR	33.3	-32.4	31.58	54	-22.42	-	-	-	-	360	201	V
* 11.085	34.7	PK-U	37.9	-22.9	49.7	-	-	74	-24.3	-	-	360	100	H
* 11.085	23.45	ADR	37.9	-22.8	38.55	54	-15.45	-	-	-	-	360	100	H
* 12.266	34.33	PK-U	38.9	-22.9	50.33	-	-	74	-23.67	-	-	129	291	V
* 12.265	22.43	ADR	38.9	-23	38.33	54	-15.67	-	-	-	-	129	291	V

11.3.2. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.8 GHz BAND HARMONICS AND SPURIOUS EMISSIONS

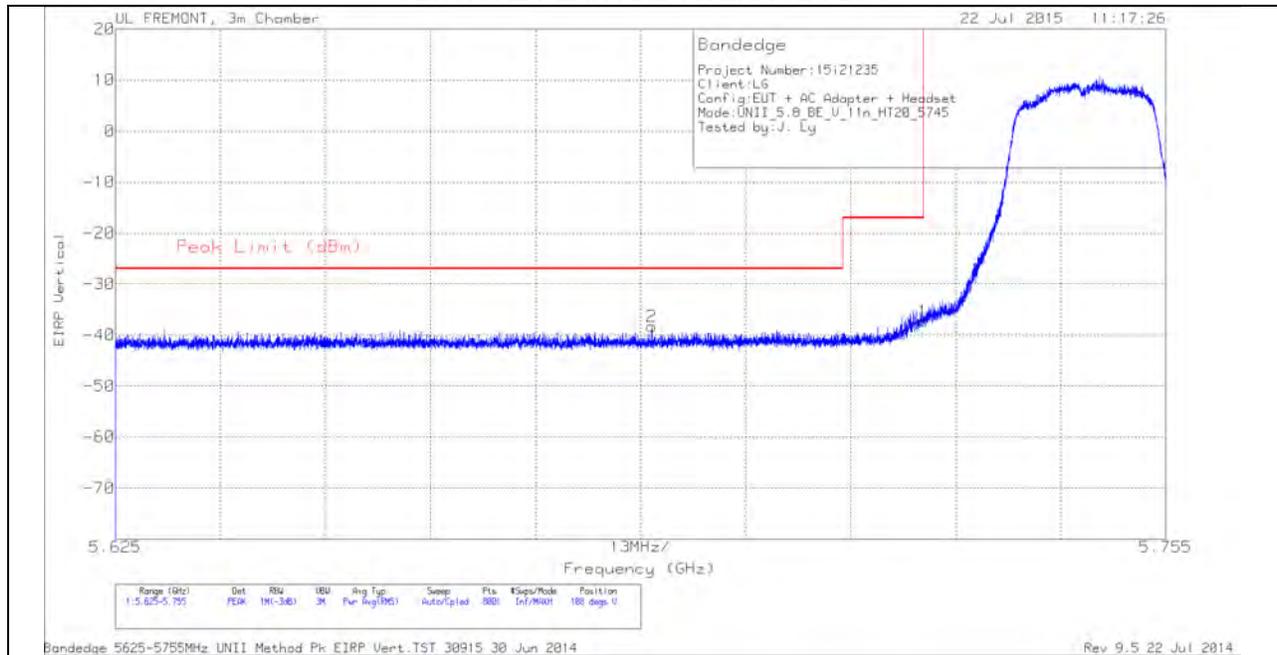
HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cb/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.686	-64.78	PK	34.7	-20.1	11.8	-38.38	-27	-11.38	300	286	H
1	5.725	-62.74	PK	34.8	-20.3	11.8	-36.44	-17	-19.44	300	286	H

VERTICAL PEAK AND AVERAGE PLOT

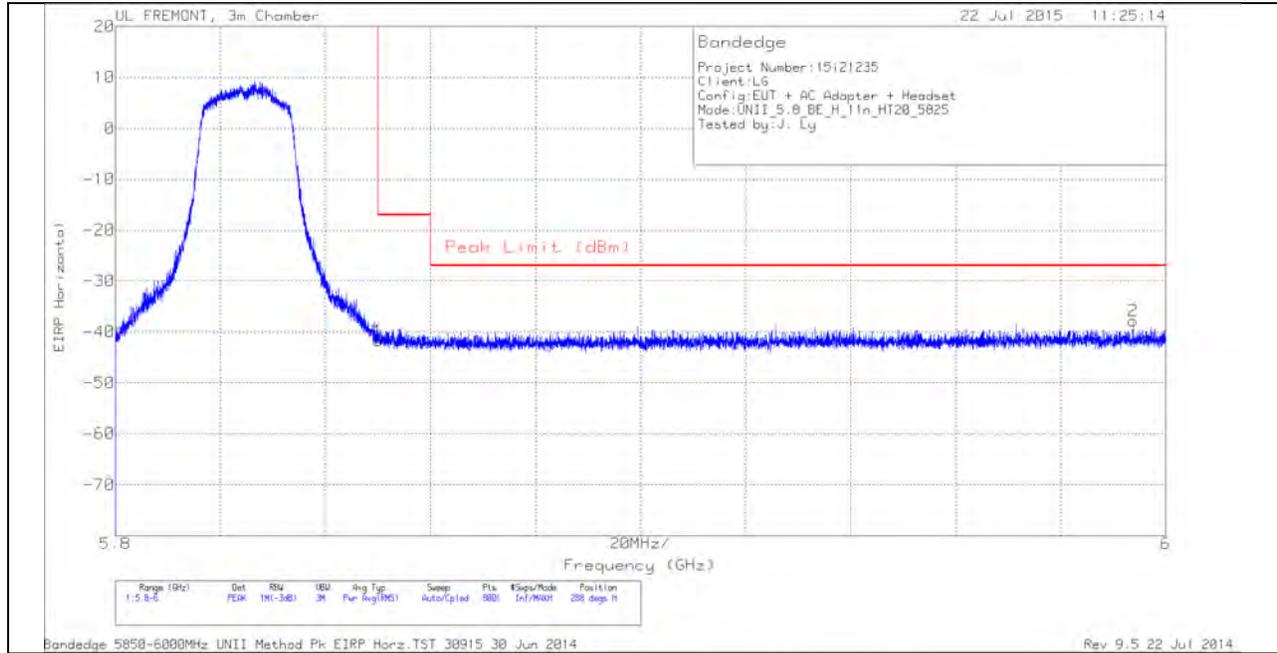


VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cb/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.691	-64.58	PK	34.7	-20.2	11.8	-38.28	-27	-11.28	108	343	V
1	5.725	-63.58	PK	34.8	-20.3	11.8	-37.28	-17	-20.28	108	343	V

AUTHORIZED BANDEGE (HIGH CHANNEL)

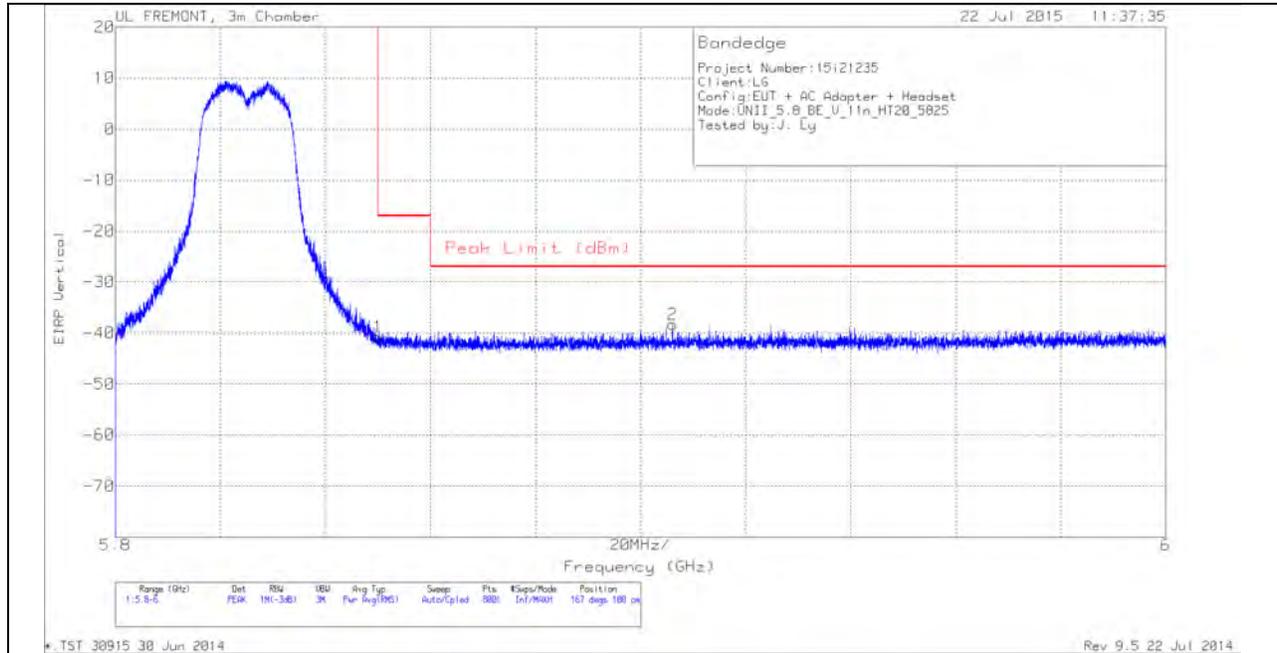
HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cbl/F Itr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-67.87	PK	34.9	-20.6	11.8	-41.77	-17	-24.77	288	109	H
2	5.994	-64.75	PK	35.2	-20.1	11.8	-37.85	-27	-10.85	288	109	H

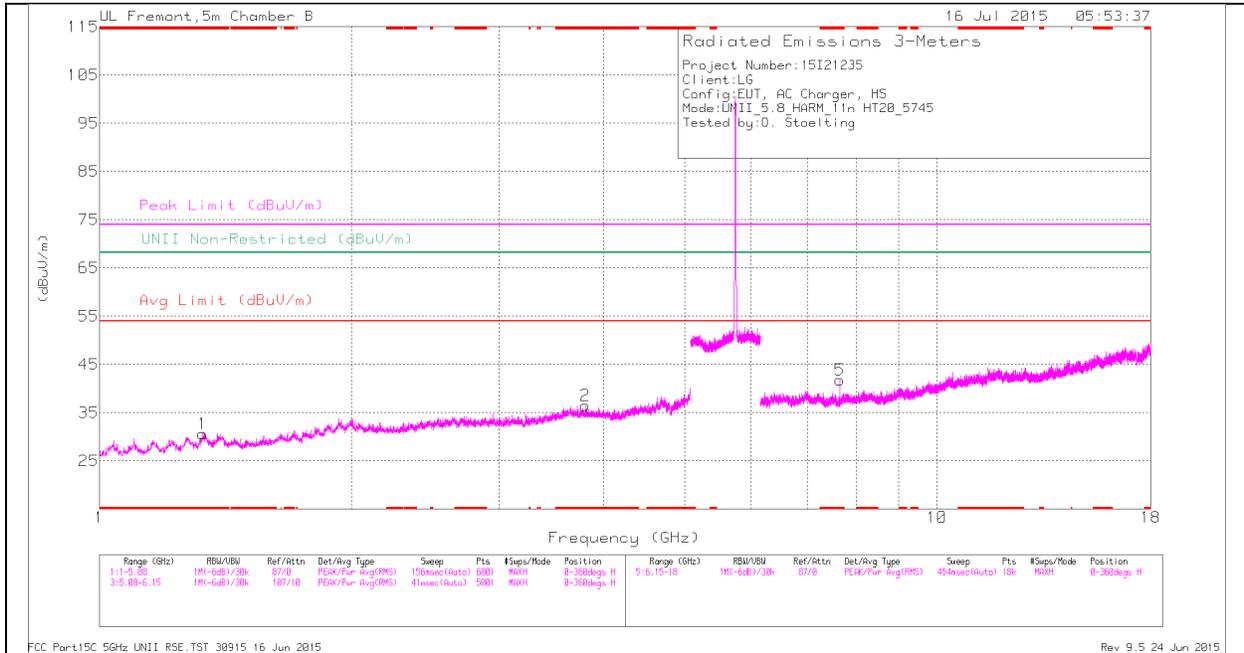
VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

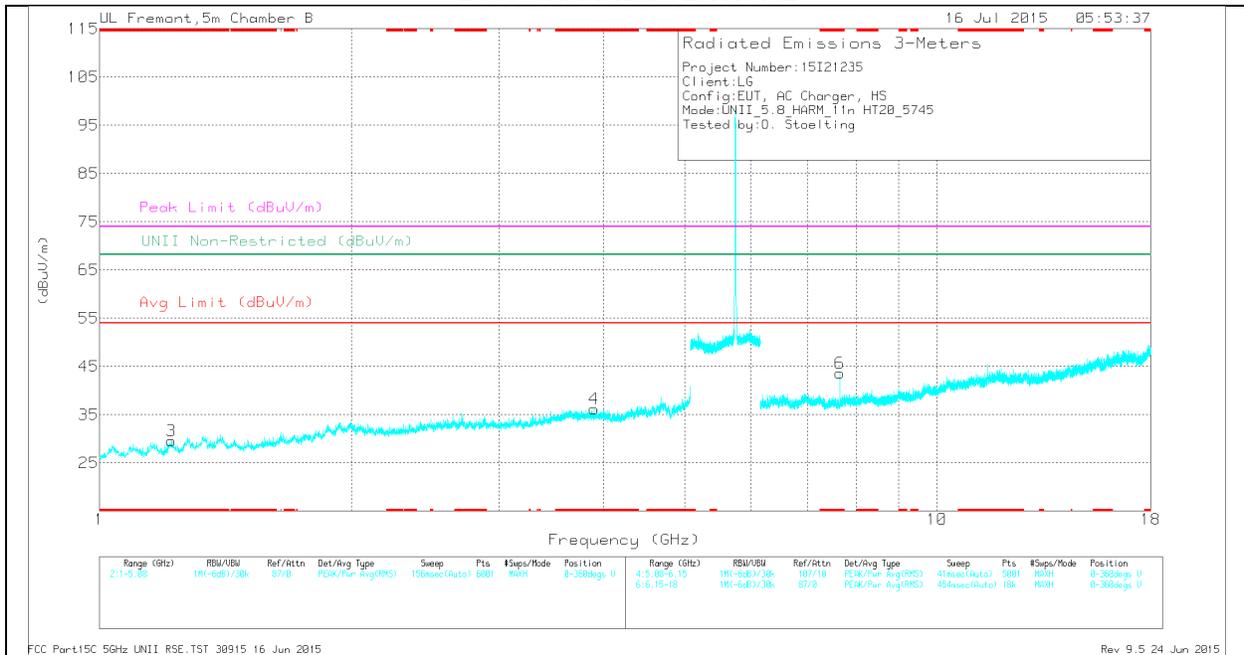
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cb/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-66.82	PK	34.9	-20.6	11.8	-40.72	-17	-23.72	167	100	V
2	5.906	-64.77	PK	35	-20.3	11.8	-38.27	-27	-11.27	167	100	V

LOW CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

TRACE MARKERS

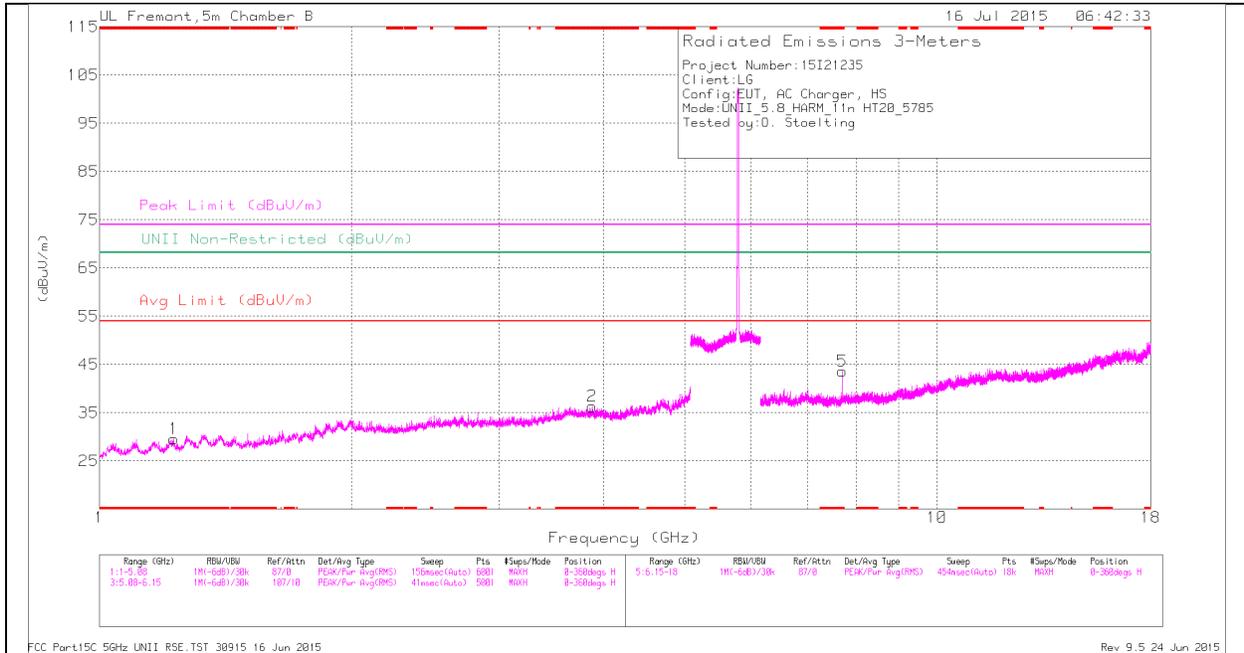
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbi/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.328	34.44	Pk	29.4	-33.2	0	30.64	-	-	74	-43.36	-	-	0-360	199	H
2	* 3.804	33.06	Pk	33.3	-29.9	0	36.46	-	-	74	-37.54	-	-	0-360	199	H
3	* 1.219	34.74	Pk	28.7	-33.8	0	29.64	-	-	74	-44.36	-	-	0-360	199	V
4	* 3.895	33.32	Pk	33.5	-30.6	0	36.22	-	-	74	-37.78	-	-	0-360	101	V
5	* 7.66	33.24	Pk	35.5	-26.9	0	41.84	-	-	74	-32.16	-	-	0-360	101	H
6	* 7.66	35.01	Pk	35.5	-26.9	0	43.61	-	-	74	-30.39	-	-	0-360	101	V

PK - Peak detector

RADIATED EMISSIONS

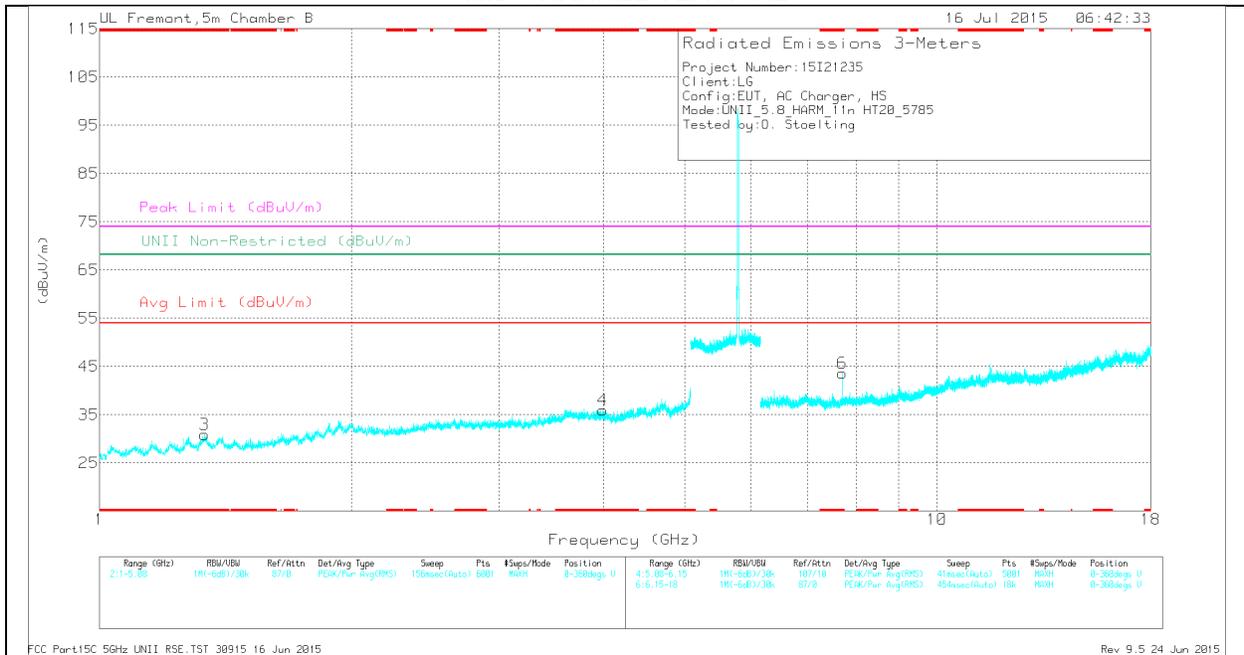
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbi/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.33	42.6	PK-U	29.4	-33.1	0	38.9	-	-	74	-35.1	-	-	1	198	H
* 1.33	31.09	ADR	29.4	-33.1	0	27.39	54	-26.61	-	-	-	-	1	198	H
* 3.804	40.22	PK-U	33.3	-29.9	0	43.62	-	-	74	-30.38	-	-	1	198	H
* 3.806	29.12	ADR	33.3	-29.9	0	32.52	54	-21.48	-	-	-	-	1	198	H
* 1.218	42.75	PK-U	28.7	-33.8	0	37.65	-	-	74	-36.35	-	-	1	198	V
* 1.221	31.27	ADR	28.7	-33.8	0	26.17	54	-27.83	-	-	-	-	1	198	V
* 3.894	41.61	PK-U	33.5	-30.6	0	44.51	-	-	74	-29.49	-	-	1	102	V
* 3.896	29.49	ADR	33.5	-30.6	0	32.39	54	-21.61	-	-	-	-	1	102	V
* 7.66	38.59	PK-U	35.5	-26.9	0	47.19	-	-	74	-26.81	-	-	1	102	H
* 7.66	28.95	ADR	35.5	-26.9	0	37.55	54	-16.45	-	-	-	-	1	102	H
* 7.66	41.36	PK-U	35.4	-26.9	0	49.86	-	-	74	-24.14	-	-	227	118	H
* 7.66	33.4	ADR	35.5	-26.9	0	42	54	-12	-	-	-	-	227	118	H
* 7.66	40.4	PK-U	35.5	-26.9	0	49	-	-	74	-25	-	-	351	106	V
* 7.66	32.75	ADR	35.5	-26.9	0	41.35	54	-12.65	-	-	-	-	351	106	V

MID CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

TRACE MARKERS

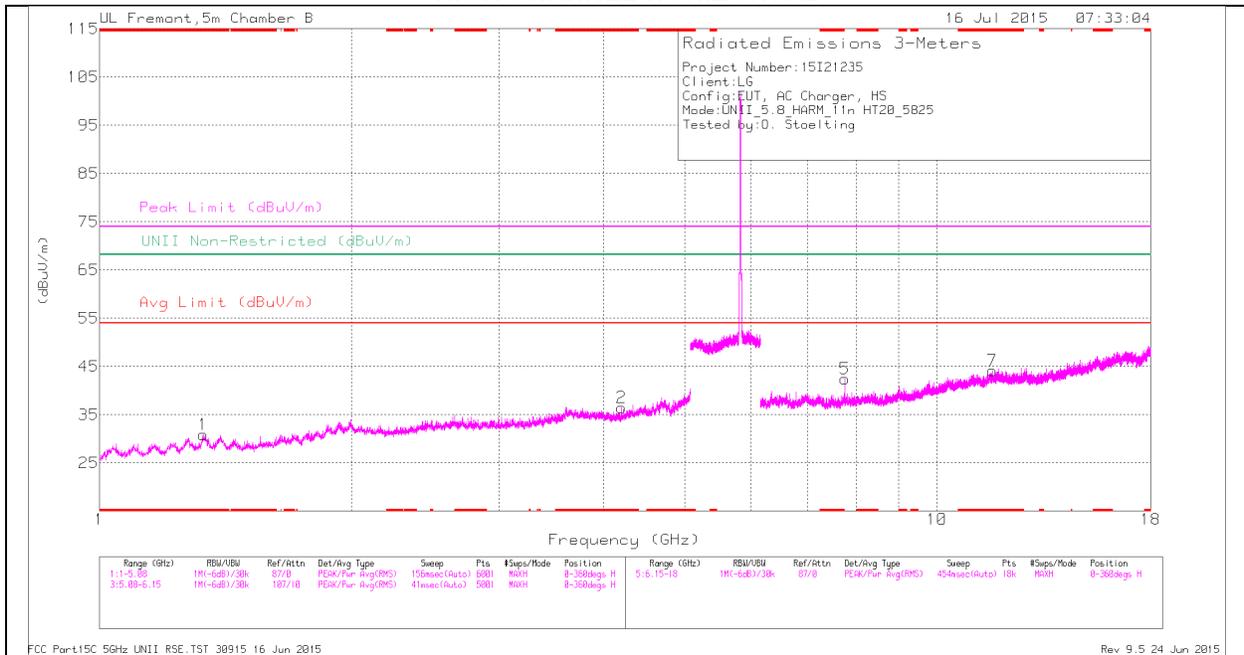
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.226	34.59	Pk	28.7	-33.7	0	29.59	-	-	74	-44.41	-	-	0-360	101	H
2	* 3.875	33.29	Pk	33.5	-30.5	0	36.29	-	-	74	-37.71	-	-	0-360	199	H
3	* 1.335	34.48	Pk	29.4	-33	0	30.88	-	-	74	-43.12	-	-	0-360	101	V
4	* 3.987	31.81	Pk	33.3	-29.2	0	35.91	-	-	74	-38.09	-	-	0-360	199	V
5	* 7.713	34.64	Pk	35.5	-26.5	0	43.64	-	-	74	-30.36	-	-	0-360	101	H
6	* 7.713	34.64	Pk	35.5	-26.5	0	43.64	-	-	74	-30.36	-	-	0-360	101	V

PK - Peak detector

RADIATED EMISSIONS

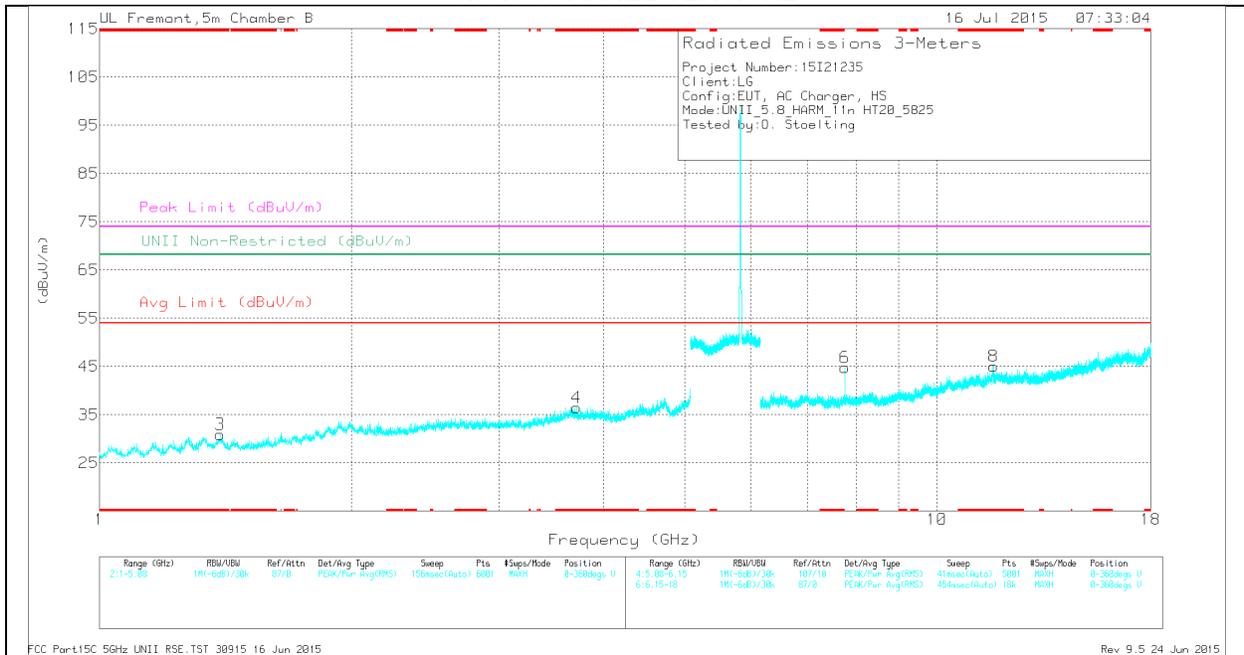
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.227	42.92	PK-U	28.7	-33.8	0	37.82	-	-	74	-36.18	-	-	360	101	H
* 1.226	30.98	ADR	28.7	-33.7	0	25.98	54	-28.02	-	-	-	-	360	101	H
* 3.874	42.11	PK-U	33.5	-30.5	0	45.11	-	-	74	-28.89	-	-	360	199	H
* 3.877	29.89	ADR	33.5	-30.4	0	32.99	54	-21.01	-	-	-	-	360	199	H
* 1.334	42.48	PK-U	29.4	-33	0	38.88	-	-	74	-35.12	-	-	360	102	V
* 1.333	30.97	ADR	29.4	-33.1	0	27.27	54	-26.73	-	-	-	-	360	102	V
* 3.988	40.13	PK-U	33.3	-29.2	0	44.23	-	-	74	-29.77	-	-	360	199	V
* 3.986	28.7	ADR	33.3	-29.2	0	32.8	54	-21.2	-	-	-	-	360	199	V
* 7.713	40.38	PK-U	35.5	-26.5	0	49.38	-	-	74	-24.62	-	-	52	101	H
* 7.713	31.9	ADR	35.5	-26.5	0	40.9	54	-13.1	-	-	-	-	52	101	H
* 7.713	40.29	PK-U	35.5	-26.5	0	49.29	-	-	74	-24.71	-	-	345	103	V
* 7.713	32.79	ADR	35.5	-26.5	0	41.79	54	-12.21	-	-	-	-	345	103	V

HIGH CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.33	34.56	Pk	29.4	-33.1	0	30.86	-	-	74	-43.14	-	-	0-360	200	H
2	* 4.203	33.25	Pk	33.3	-30.1	0	36.45	-	-	74	-37.55	-	-	0-360	101	H
3	* 1.394	34.56	Pk	29.4	-33	0	30.96	-	-	74	-43.04	-	-	0-360	200	V
4	* 3.71	33.36	Pk	33.6	-30.5	0	36.46	-	-	74	-37.54	-	-	0-360	200	V
7	* 11.653	27.38	Pk	38.5	-21.7	0	44.18	-	-	74	-29.82	-	-	0-360	101	H
8	* 11.682	28.31	Pk	38.5	-21.7	0	45.11	-	-	74	-28.89	-	-	0-360	101	V
5	7.767	33.21	Pk	35.5	-26.3	0	42.41	-	-	-	-	68.2	-25.79	0-360	101	H
6	7.767	35.58	Pk	35.5	-26.3	0	44.78	-	-	-	-	68.2	-23.42	0-360	101	V

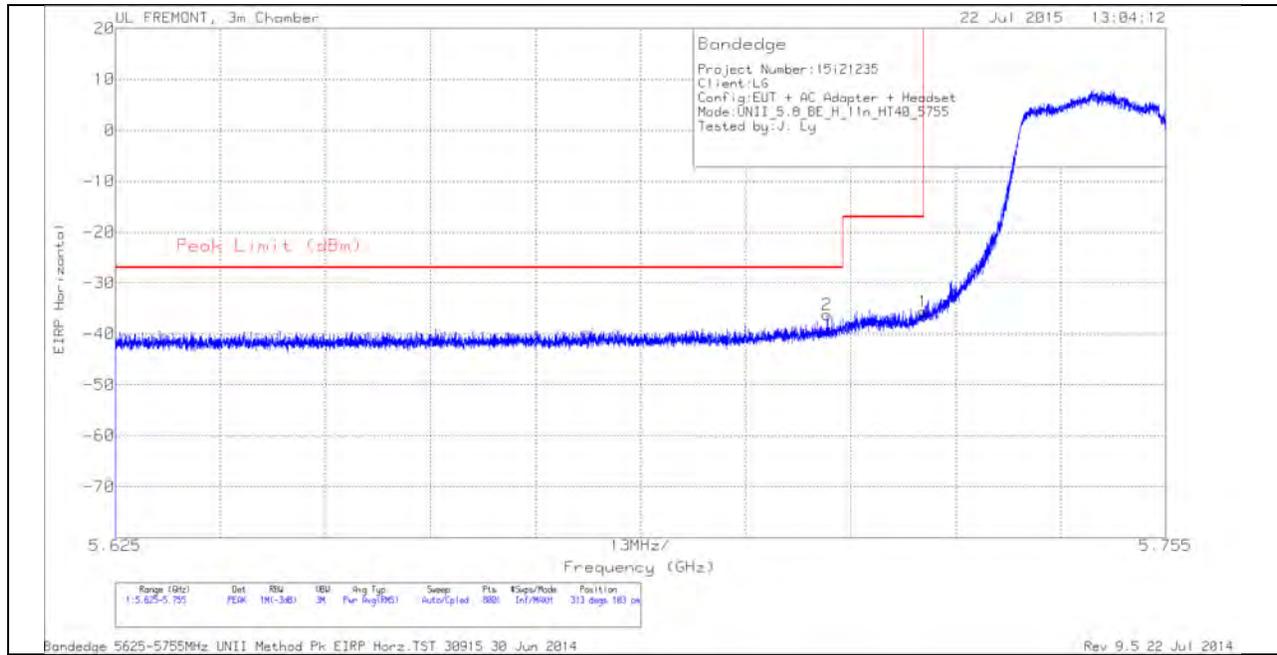
PK - Peak detector

RADIATED EMISSIONS

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.33	42.76	PK-U	29.4	-33.1	0	39.06	-	-	74	-34.94	-	-	360	199	H
* 1.331	31.12	ADR	29.4	-33.1	0	27.42	54	-26.58	-	-	-	-	360	199	H
* 4.204	40.92	PK-U	33.3	-30.1	0	44.12	-	-	74	-29.88	-	-	360	102	H
* 4.205	28.97	ADR	33.3	-30.1	0	32.17	54	-21.83	-	-	-	-	360	102	H
* 1.394	42.75	PK-U	29.4	-33	0	39.15	-	-	74	-34.85	-	-	360	200	V
* 1.392	31.05	ADR	29.4	-33	0	27.45	54	-26.55	-	-	-	-	360	200	V
* 3.708	40.94	PK-U	33.6	-30.5	0	44.04	-	-	74	-29.96	-	-	360	200	V
* 3.712	29.75	ADR	33.6	-30.6	0	32.75	54	-21.25	-	-	-	-	360	200	V
* 11.653	34.2	PK-U	38.5	-21.7	0	51	-	-	74	-23	-	-	301	103	H
* 11.654	23.41	ADR	38.5	-21.7	0	40.21	54	-13.79	-	-	-	-	301	103	H
* 11.683	34.45	PK-U	38.5	-21.7	0	51.25	-	-	74	-22.75	-	-	301	103	V
* 11.683	23.54	ADR	38.5	-21.7	0	40.34	54	-13.66	-	-	-	-	301	103	V
7.767	42.09	PK-U	35.5	-26.3	0	51.29	-	-	-	-	68.2	-16.91	4	101	H
7.767	34.87	ADR	35.5	-26.3	0	44.07	-	-	-	-	-	-	4	101	H
7.767	41.65	PK-U	35.5	-26.3	0	50.85	-	-	-	-	68.2	-17.35	301	103	V
7.767	35.76	ADR	35.5	-26.3	0	44.96	-	-	-	-	-	-	301	103	V

11.3.3. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.8 GHz BAND HARMONICS AND SPURIOUS EMISSIONS

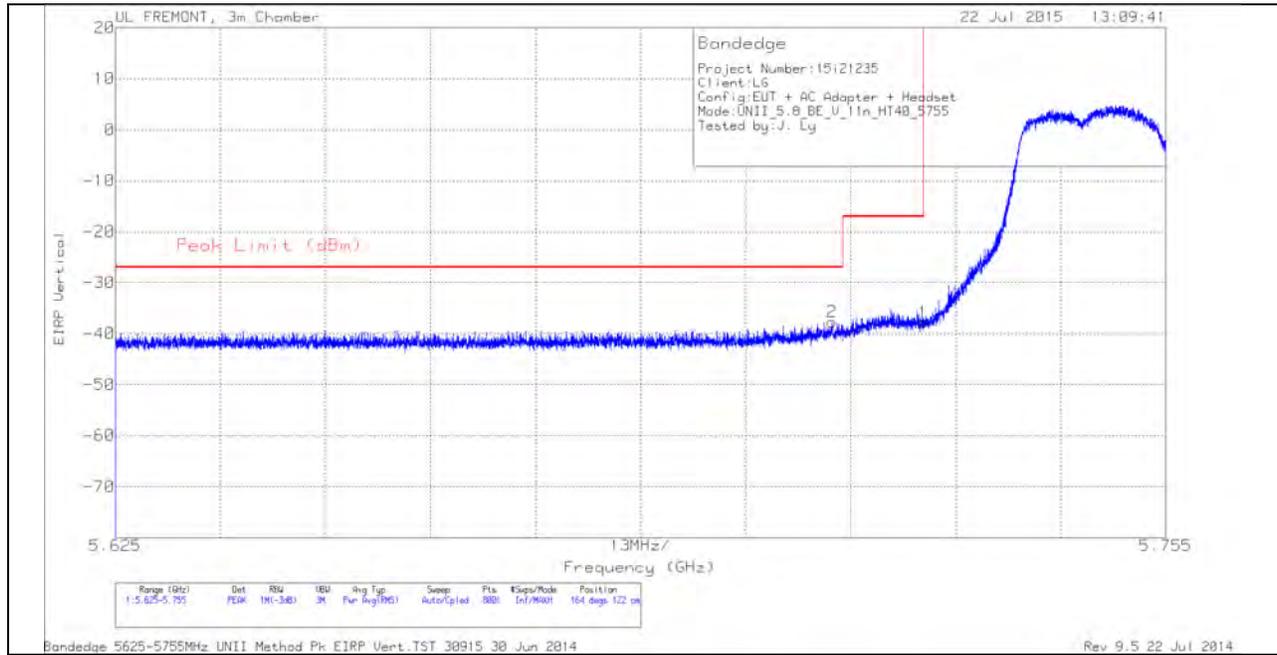
HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cb/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.713	-62.39	PK	34.8	-20.4	11.8	-36.19	-27	-9.19	313	103	H
1	5.725	-61.91	PK	34.8	-20.3	11.8	-35.61	-17	-18.61	313	103	H

VERTICAL PEAK AND AVERAGE PLOT

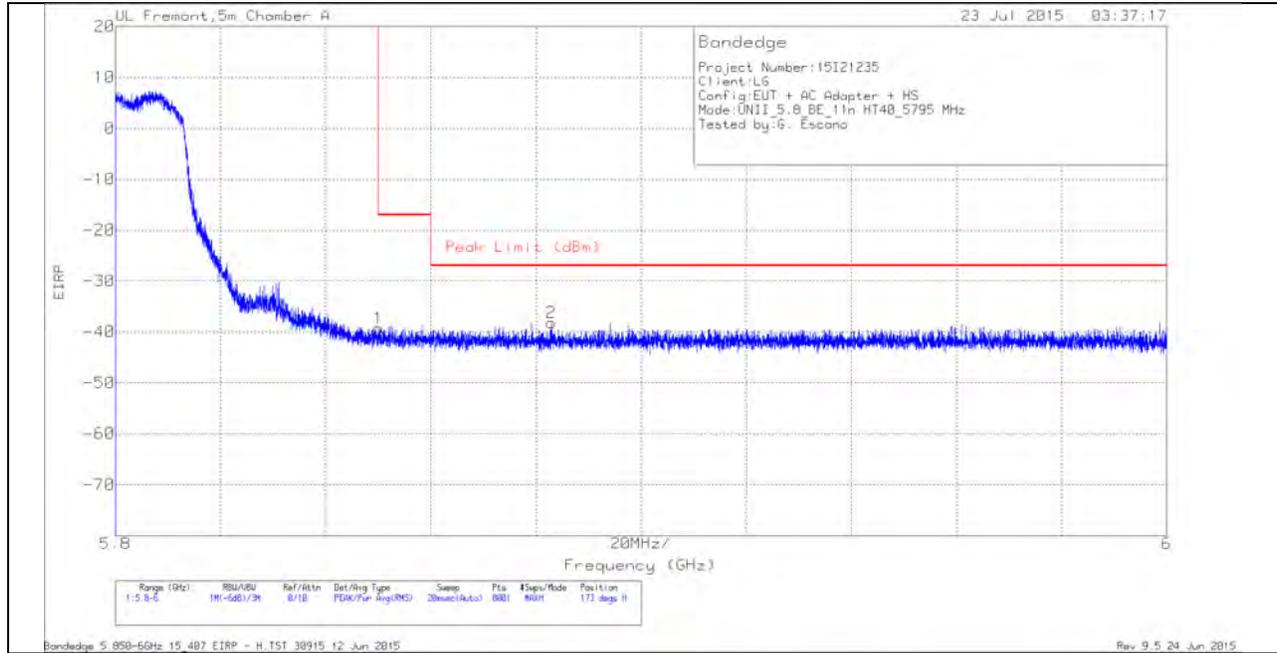


VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.714	-63.88	PK	34.8	-20.4	11.8	-37.68	-27	-10.68	164	122	V
1	5.725	-64.12	PK	34.8	-20.3	11.8	-37.82	-17	-20.82	164	122	V

AUTHORIZED BANDEDGE (HIGH CHANNEL)

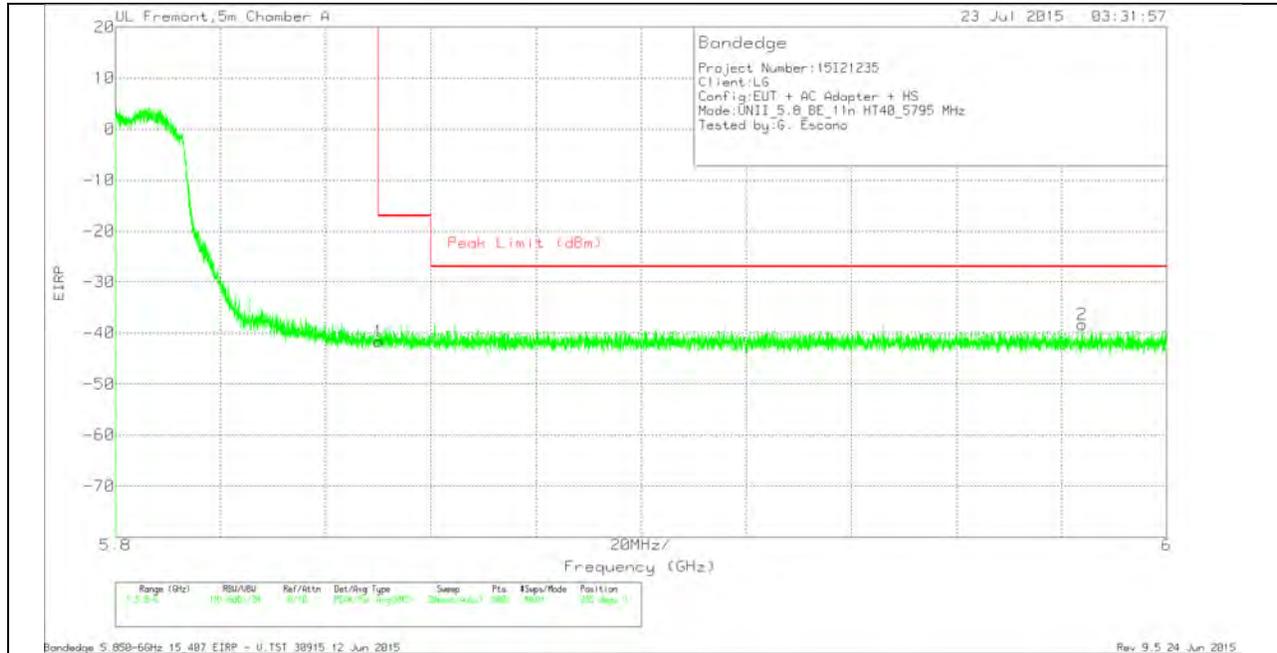
HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Amp/Cbl/F Itr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-66.83	Pk	35.1	-19.3	11.8	-39.23	-17	-22.23	173	156	H
2	5.883	-65.73	Pk	35.1	-19.3	11.8	-38.13	-27	-11.13	173	156	H

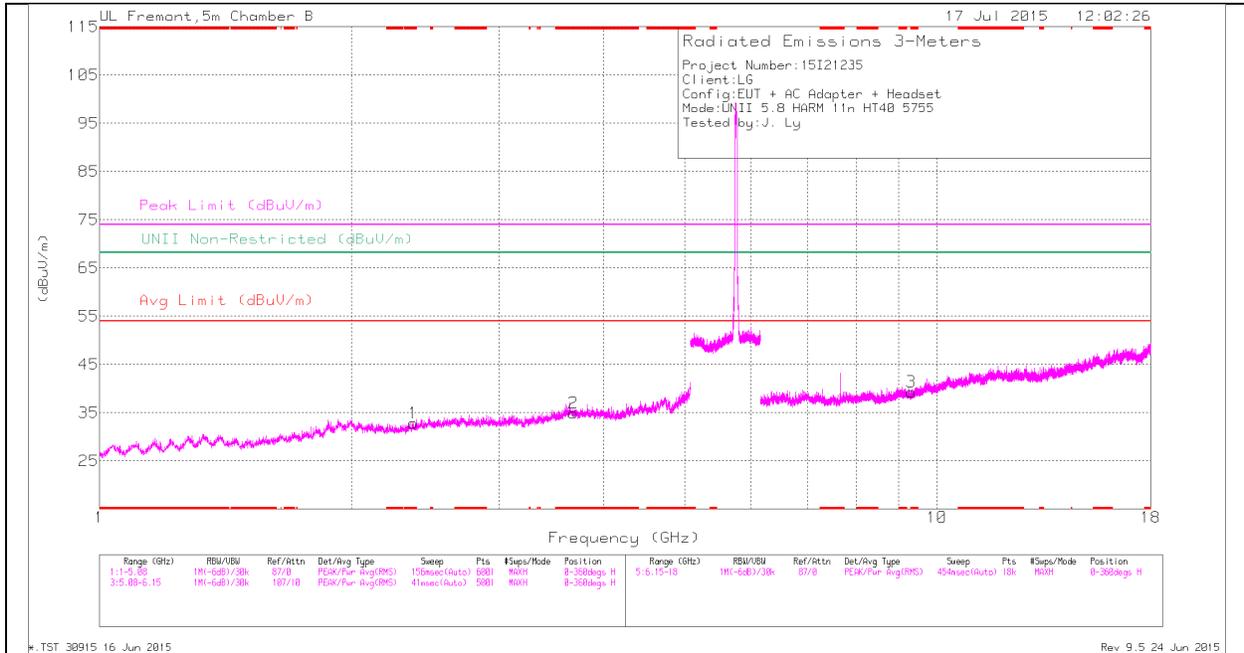
VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

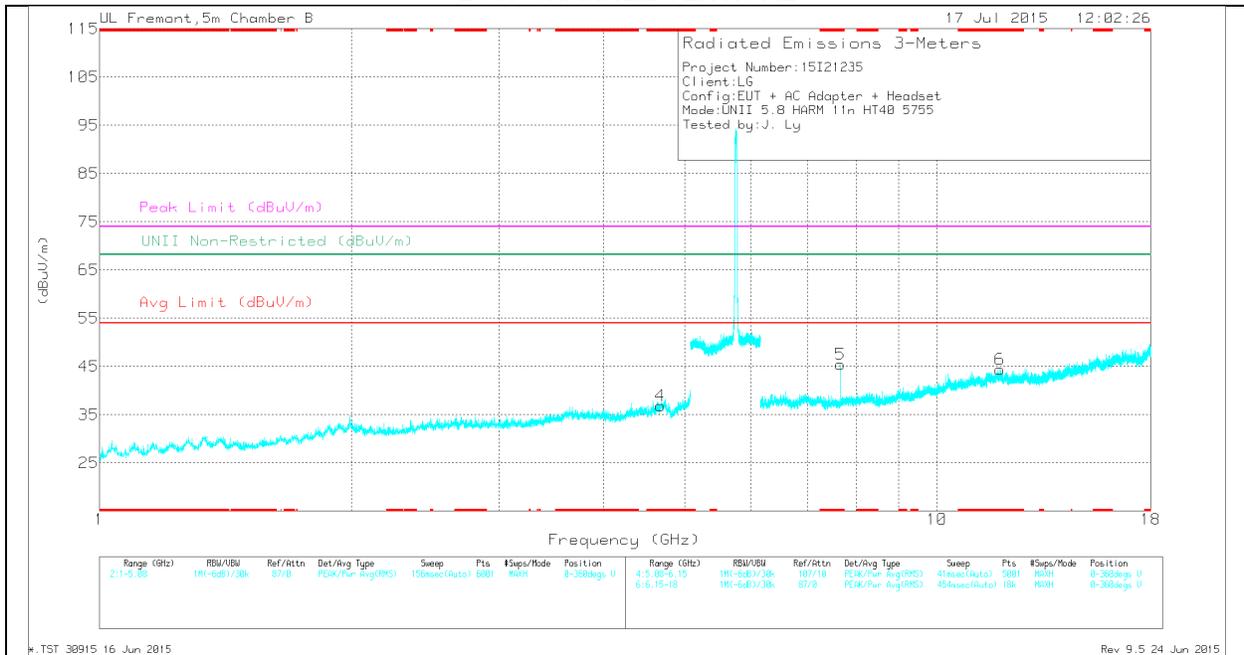
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Amp/Cb/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-69.21	Pk	35.1	-19.3	11.8	-41.61	-17	-24.61	265	104	V
2	5.984	-66.05	Pk	35.3	-19.3	11.8	-38.25	-27	-11.25	265	104	V

LOW CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

TRACE MARKERS

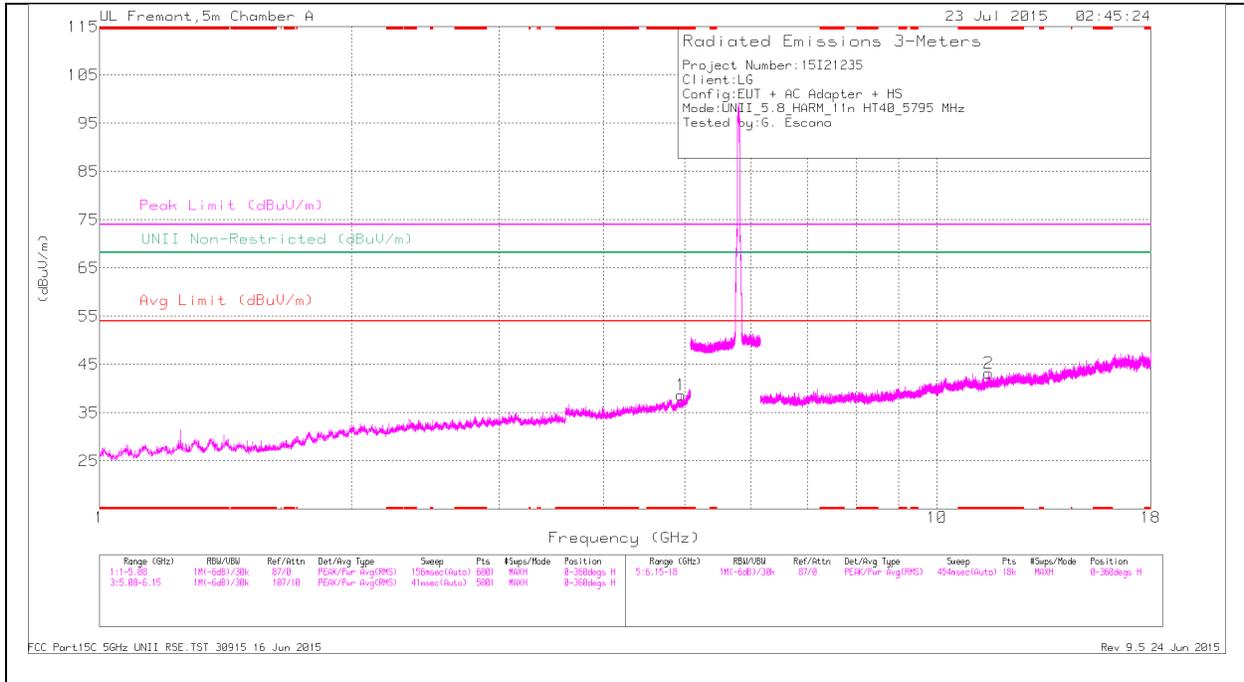
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Fitr /Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.368	32.74	Pk	31.9	-31.8	32.84	-	-	74	-41.16	-	-	0-360	101	H
2	* 3.678	31.95	Pk	33.7	-30.7	34.95	-	-	74	-39.05	-	-	0-360	200	H
4	* 4.673	31.61	Pk	34.2	-28.9	36.91	-	-	74	-37.09	-	-	0-360	101	V
3	* 9.312	27.69	Pk	36.2	-24.5	39.39	-	-	74	-34.61	-	-	0-360	199	H
5	* 7.673	36.53	Pk	35.5	-26.6	45.43	-	-	74	-28.57	-	-	0-360	101	V
6	* 11.899	27.24	Pk	38.6	-21.4	44.44	-	-	74	-29.56	-	-	0-360	199	V

PK - Peak detector

RADIATED EMISSIONS

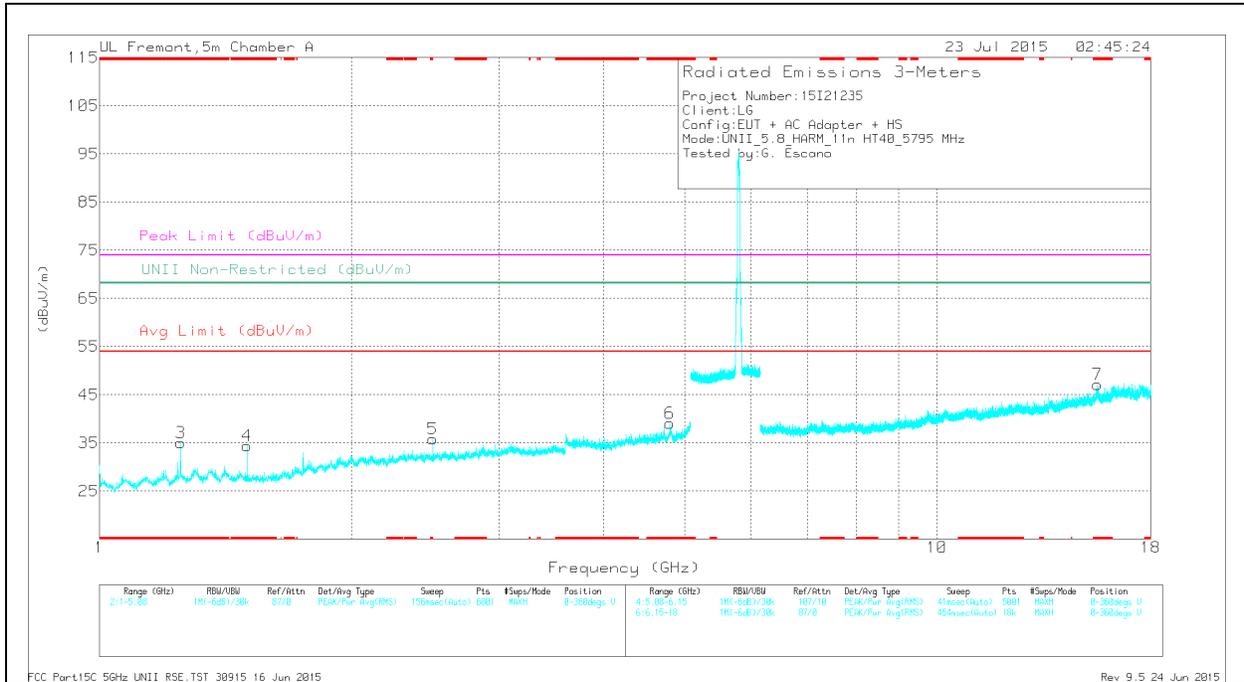
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Fitr /Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.369	40.85	PK-U	31.9	-31.8	40.95	-	-	74	-33.05	-	-	1	101	H
* 2.366	29.15	ADR	31.9	-31.9	29.15	54	-24.85	-	-	-	-	1	101	H
* 3.679	40.6	PK-U	33.7	-30.7	43.6	-	-	74	-30.4	-	-	1	101	H
* 3.68	28.96	ADR	33.7	-30.7	31.96	54	-22.04	-	-	-	-	1	101	H
* 4.674	39.82	PK-U	34.2	-28.9	45.12	-	-	74	-28.88	-	-	1	101	V
* 4.673	28.68	ADR	34.2	-28.9	33.98	54	-20.02	-	-	-	-	1	101	V
* 9.313	35.96	PK-U	36.2	-24.6	47.56	-	-	74	-26.44	-	-	1	101	H
* 9.312	24.63	ADR	36.2	-24.5	36.33	54	-17.67	-	-	-	-	1	101	H
* 7.672	37.46	PK-U	35.5	-26.6	51.9	-	-	74	-22.1	-	-	1	101	V
* 7.675	26.25	ADR	35.5	-26.6	35.15	54	-18.85	-	-	-	-	1	101	V
* 11.899	33.76	PK-U	38.6	-21.4	50.96	-	-	74	-23.04	-	-	1	101	V
* 11.901	22.9	ADR	38.6	-21.4	40.1	54	-13.9	-	-	-	-	1	101	V

HIGH CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.949	34.48	Pk	33.9	-29.7	0	38.68	-	-	74	-35.32	-	-	0-360	101	H
3	* 1.25	42.67	Pk	28.4	-36	0	35.07	-	-	74	-38.93	-	-	0-360	201	V
4	* 1.5	41.77	Pk	28.1	-35.5	0	34.37	-	-	74	-39.63	-	-	0-360	201	V
6	* 4.795	35.1	Pk	34	-30	0	39.1	-	-	74	-34.9	-	-	0-360	201	V
2	* 11.528	27.97	Pk	38.1	-22.8	0	43.27	-	-	74	-30.73	-	-	0-360	100	H
7	* 15.558	27.87	Pk	40.3	-21	0	47.17	-	-	74	-26.83	-	-	0-360	200	V
5	2.5	38.15	Pk	32.1	-34.4	0	35.85	-	-	-	-	68.2	-32.35	0-360	201	V

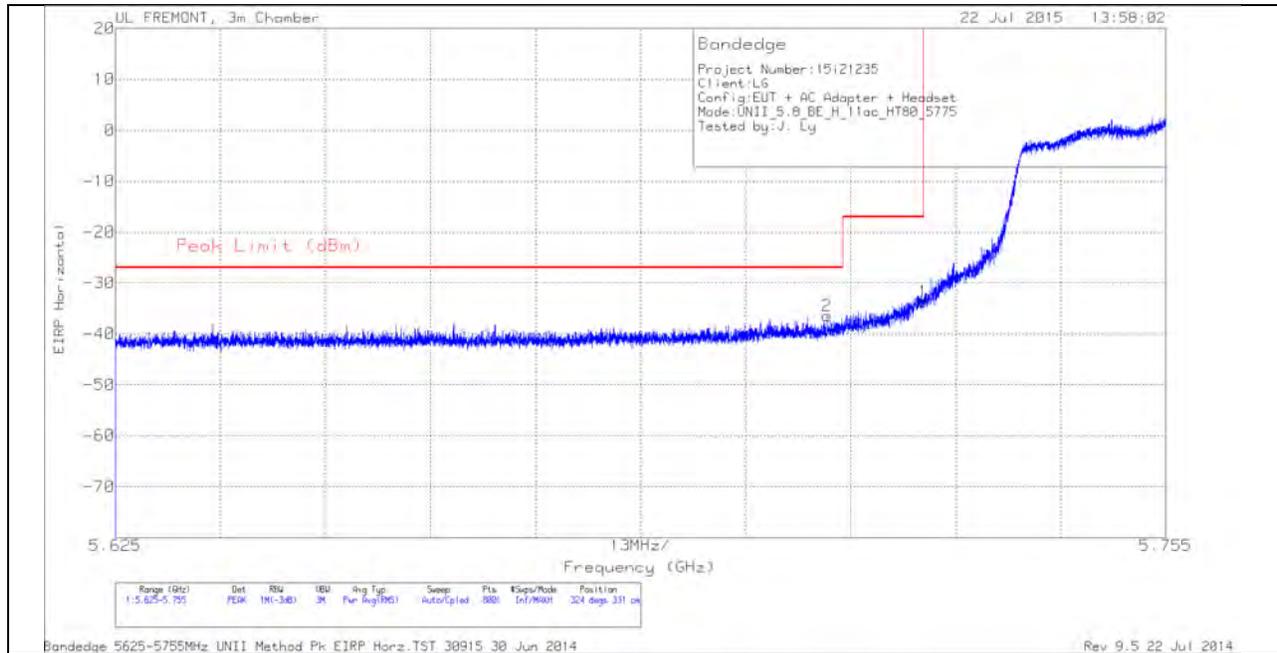
PK - Peak detector

RADIATED EMISSIONS

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.95	41.37	PK-U	33.9	-29.7	0	45.57	-	-	74	-28.43	-	-	347	182	H
* 4.95	29.16	ADR	33.9	-29.7	0	33.36	54	-20.64	-	-	-	-	347	182	H
* 1.25	47.54	PK-U	28.4	-36	0	39.94	-	-	74	-34.06	-	-	147	291	V
* 1.25	36.76	ADR	28.4	-36	0	29.16	54	-24.84	-	-	-	-	147	291	V
* 1.5	47.31	PK-U	28.1	-35.5	0	39.91	-	-	74	-34.09	-	-	11	154	V
* 1.5	37.52	ADR	28.1	-35.5	0	30.12	54	-23.88	-	-	-	-	11	154	V
* 4.796	41.68	PK-U	34	-30	0	45.68	-	-	74	-28.32	-	-	69	154	V
* 4.794	30.2	ADR	34	-30	0	34.2	54	-19.8	-	-	-	-	69	154	V
* 11.527	34.75	PK-U	38.1	-22.8	0	50.05	-	-	74	-23.95	-	-	117	111	H
* 11.528	23.32	ADR	38.1	-22.8	0	38.62	54	-15.38	-	-	-	-	117	111	H
* 15.558	35.43	PK-U	40.3	-21	0	54.73	-	-	74	-19.27	-	-	39	122	V
* 15.558	23.71	ADR	40.3	-21	0	43.01	54	-10.99	-	-	-	-	39	122	V
2.501	43.36	PK-U	32.1	-34.4	0	41.06	-	-	-	-	68.2	-27.14	5	144	V

11.3.4. TX ABOVE 1 GHz 802.11ac HT80 MODE IN THE 5.8 GHz BAND HARMONICS AND SPURIOUS EMISSIONS

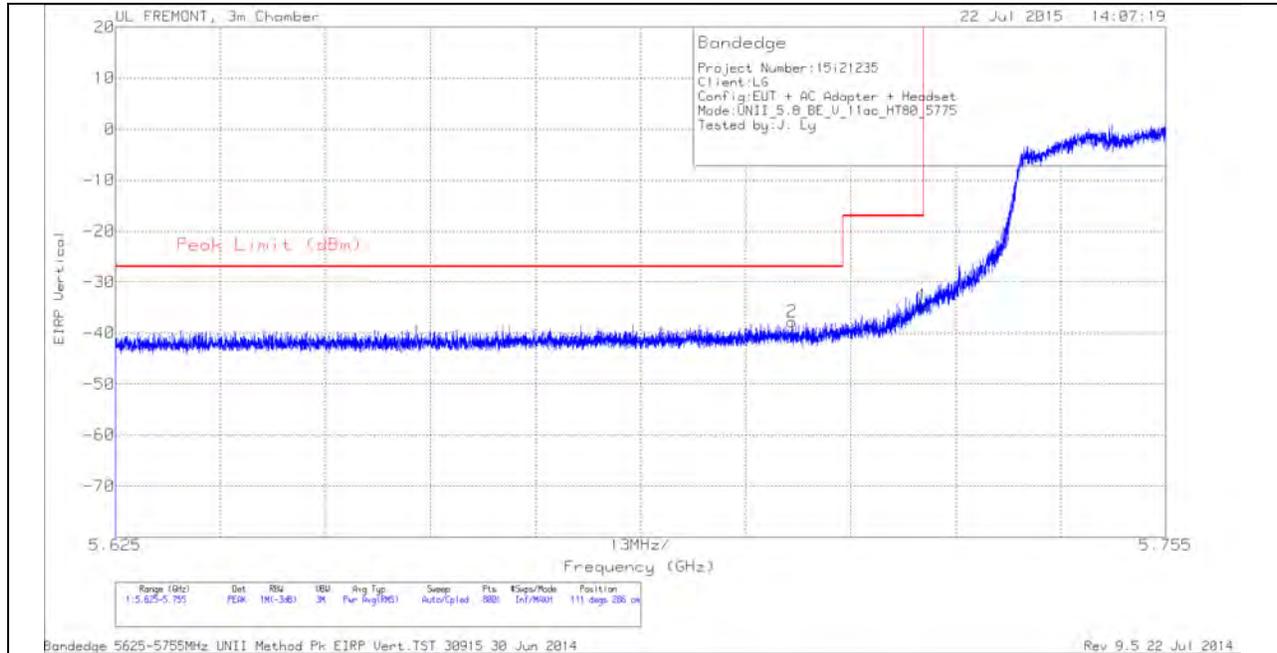
HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cb/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.713	-62.67	PK	34.8	-20.4	11.8	-36.47	-27	-9.47	324	331	H
1	5.725	-59.92	PK	34.8	-20.3	11.8	-33.62	-17	-16.62	324	331	H

VERTICAL PEAK AND AVERAGE PLOT

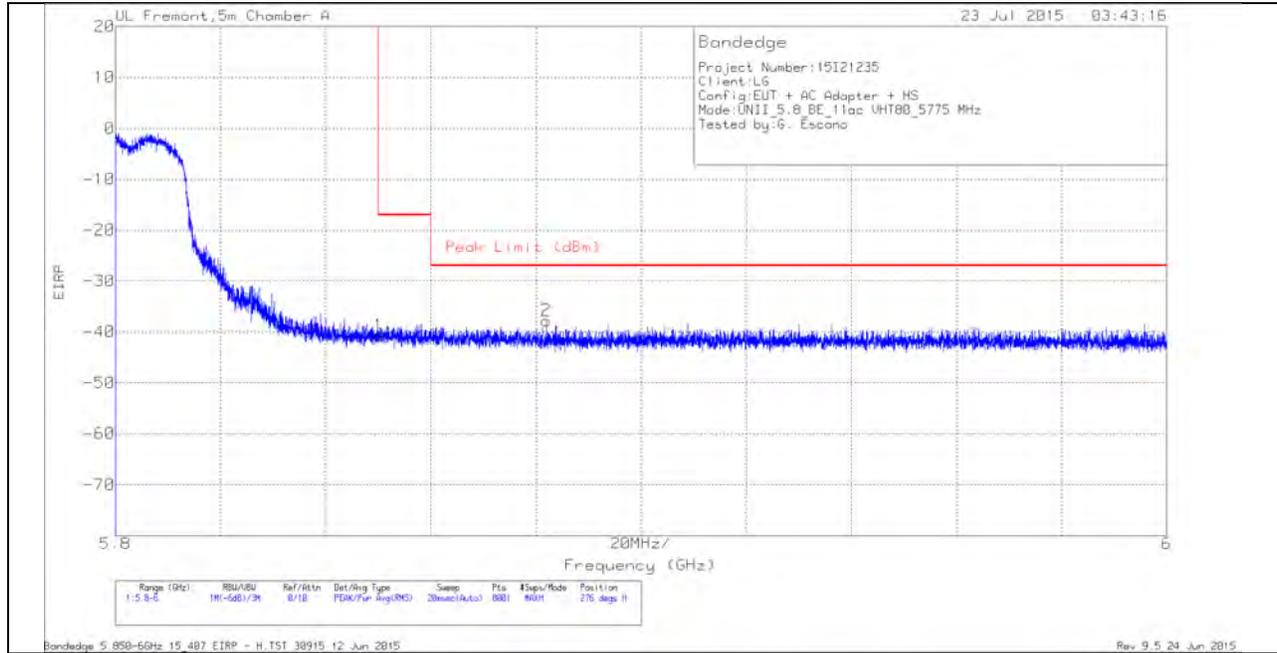


VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cb/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.709	-63.95	PK	34.7	-20.3	11.8	-37.75	-27	-10.75	111	286	V
1	5.725	-60.77	PK	34.8	-20.3	11.8	-34.47	-17	-17.47	111	286	V

AUTHORIZED BANDEGE (HIGH CHANNEL)

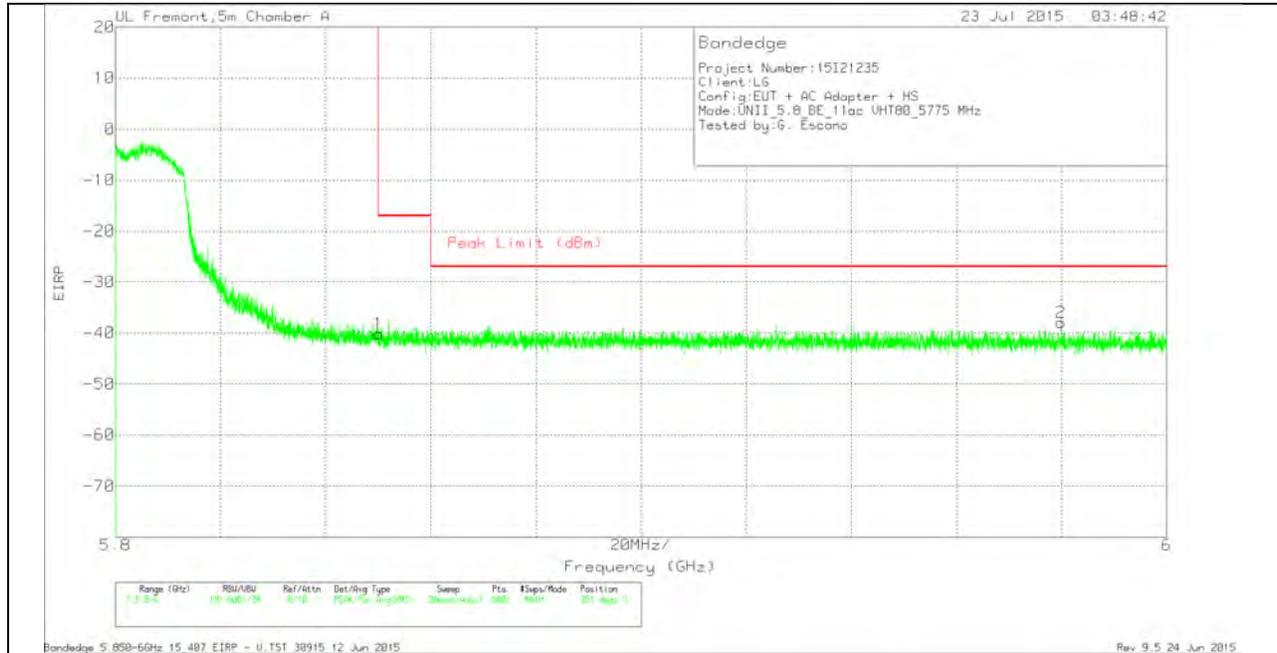
HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Amp/Cbl/F Itr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-68.24	Pk	35.1	-19.3	11.8	-40.64	-17	-23.64	276	100	H
2	5.882	-65.35	Pk	35.1	-19.3	11.8	-37.75	-27	-10.75	276	100	H

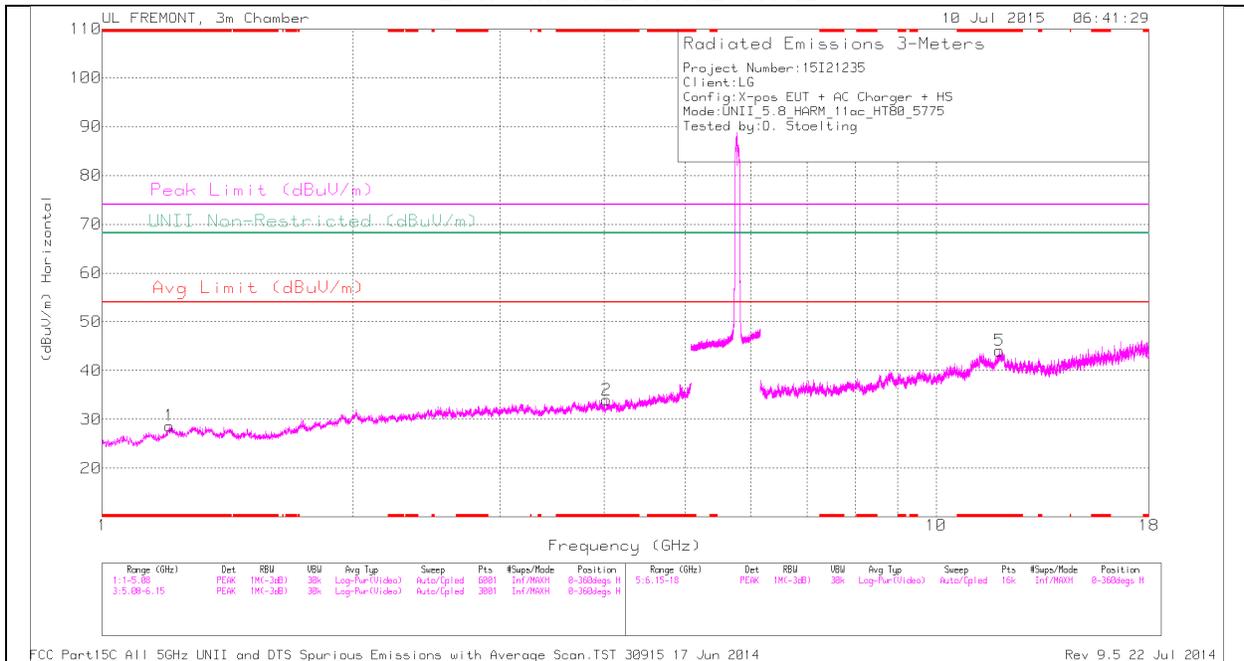
VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

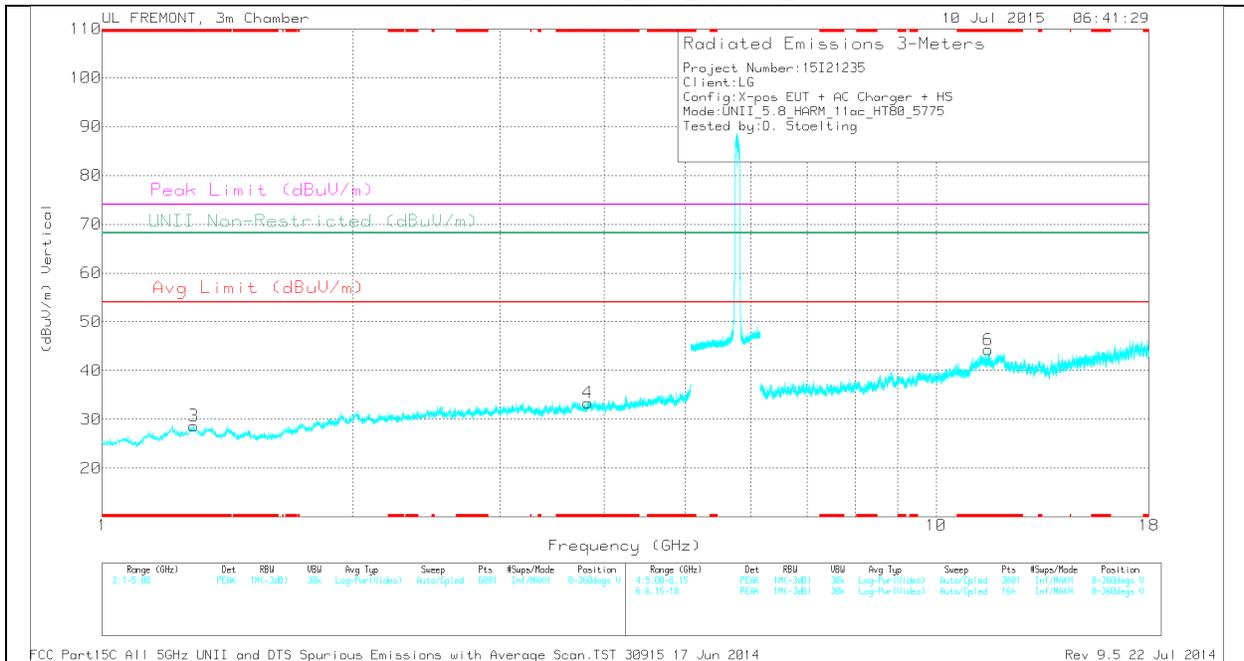
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Amp/Cb/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-67.8	Pk	35.1	-19.3	11.8	-40.2	-17	-23.2	351	102	V
2	5.98	-65.77	Pk	35.3	-19.3	11.8	-37.97	-27	-10.97	351	102	V

LOW CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.203	32.39	PK	29	-32.7	0	28.69	-	-	74	-45.31	-	-	0-360	200	H
3	* 1.288	31.86	PK	29.8	-33	0	28.66	-	-	74	-45.34	-	-	0-360	200	V
6	* 11.55	28.64	PK	38.5	-22.9	0	44.24	-	-	74	-29.76	-	-	0-360	100	V
5	* 11.904	28.5	PK	39.1	-23.5	0	44.1	-	-	74	-29.9	-	-	0-360	100	H
4	* 3.821	30.72	PK	33.1	-30.4	0	33.42	-	-	74	-40.58	-	-	0-360	100	V
2	* 4.027	31.54	PK	33.2	-30.7	0	34.04	-	-	74	-39.96	-	-	0-360	100	H

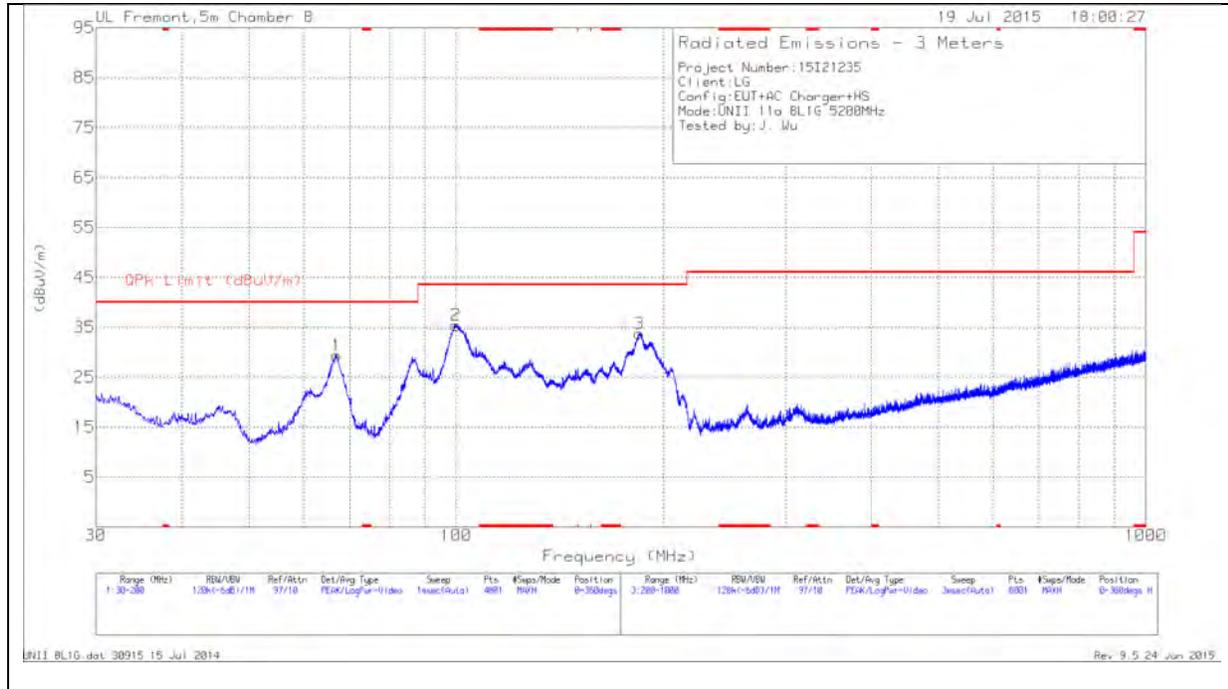
PK - Peak detector

RADIATED EMISSIONS

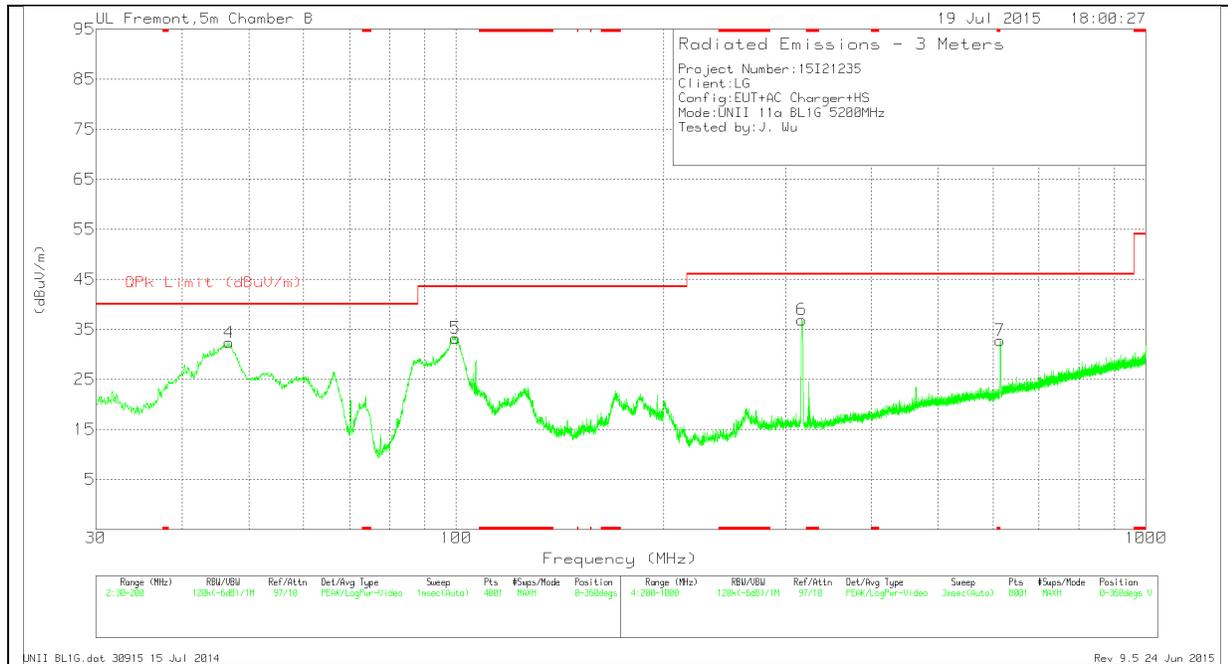
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.203	41.38	PK1	29	-32.7	0	37.68	-	-	74	-36.32	-	-	360	200	H
* 1.201	29.78	AD1	28.9	-32.6	.09	26.17	54	-27.83	-	-	-	-	360	200	H
* 4.025	40.49	PK1	33.2	-30.8	0	42.89	-	-	74	-31.11	-	-	360	100	H
* 4.026	28.9	AD1	33.2	-30.8	.09	31.39	54	-22.61	-	-	-	-	360	100	H
* 1.289	41.5	PK1	29.8	-33	0	38.3	-	-	74	-35.7	-	-	360	200	V
* 1.289	29.87	AD1	29.8	-33	.09	26.76	54	-27.24	-	-	-	-	360	200	V
* 3.821	40.13	PK1	33.1	-30.4	0	42.83	-	-	74	-31.17	-	-	360	100	V
* 3.82	28.55	AD1	33.1	-30.4	.09	31.34	54	-22.66	-	-	-	-	360	100	V
* 11.905	36.46	PK1	39.1	-23.5	0	52.06	-	-	74	-21.94	-	-	360	100	H
* 11.906	25.46	AD1	39.1	-23.4	.09	41.25	54	-12.75	-	-	-	-	360	100	H
* 11.55	37.26	PK1	38.5	-22.8	0	52.96	-	-	74	-21.04	-	-	355	391	V
* 11.55	25.03	AD1	38.5	-22.9	.09	40.72	54	-13.28	-	-	-	-	355	391	V

12. WORST-CASE BELOW 1 GHz (in the 5.3 GHz Band)

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



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



Below 1G 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
4	46.7875	51.32	Pk	9.6	-28.6	32.32	40	-7.68	0-360	101	V
1	67.0175	49.66	Pk	8	-28.3	29.36	40	-10.64	0-360	199	H
5	99.785	51.05	Pk	10.2	-28	33.25	43.52	-10.27	0-360	101	V
2	99.87	53.21	Pk	10.2	-28	35.41	43.52	-8.11	0-360	199	H
3	184.36	49.53	Pk	11.2	-27	33.73	43.52	-9.79	0-360	101	H
6	317.2	48.81	Pk	13.9	-25.8	36.91	46.02	-9.11	0-360	199	V
7	614.8	38.76	Pk	19	-25	32.76	46.02	-13.26	0-360	199	V

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

Pk - Peak detector

Radiated Emissions

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
873.934	22.48	Qp	22.1	-23	21.58	46.02	-24.44	288	391	H
926.872	22.09	Qp	22.6	-22.5	22.19	46.02	-23.83	315	193	H

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

Qp - Quasi-Peak detector

13. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

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

* Decreases with the logarithm of the frequency.

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 C63.4.

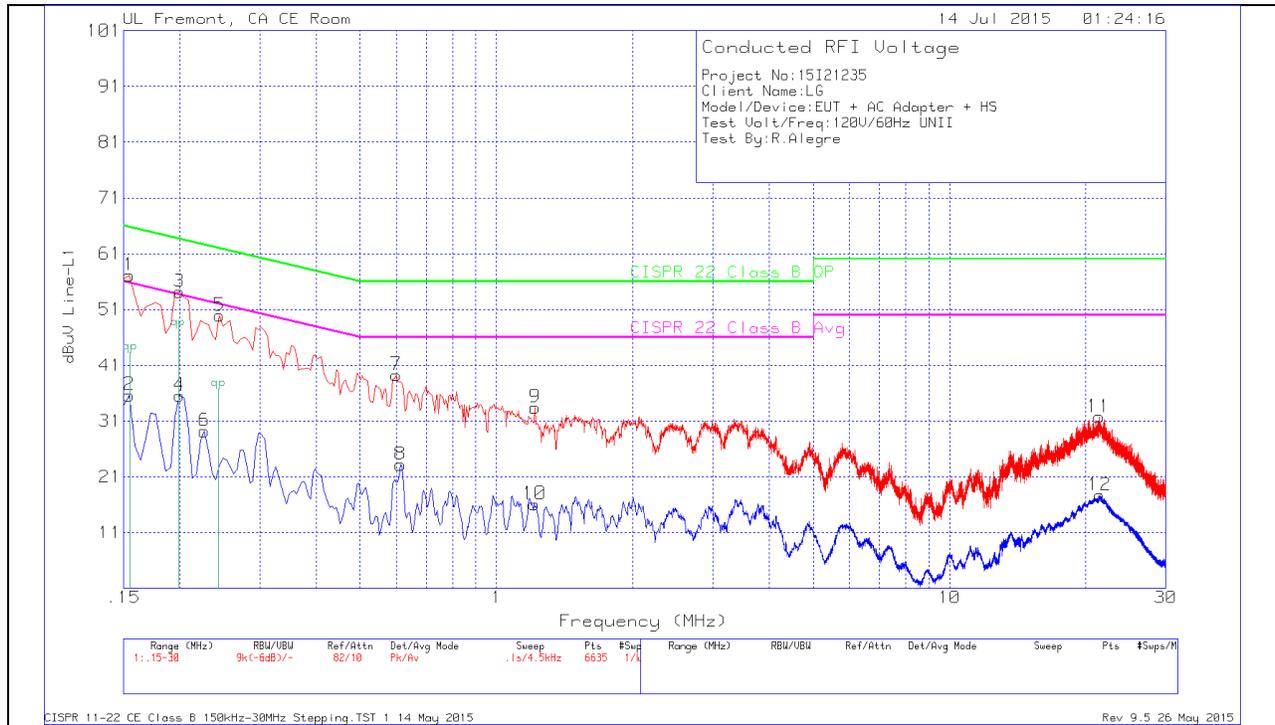
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

6 WORST EMISSIONS

LINE 1 PLOT



LINE 1 RESULTS

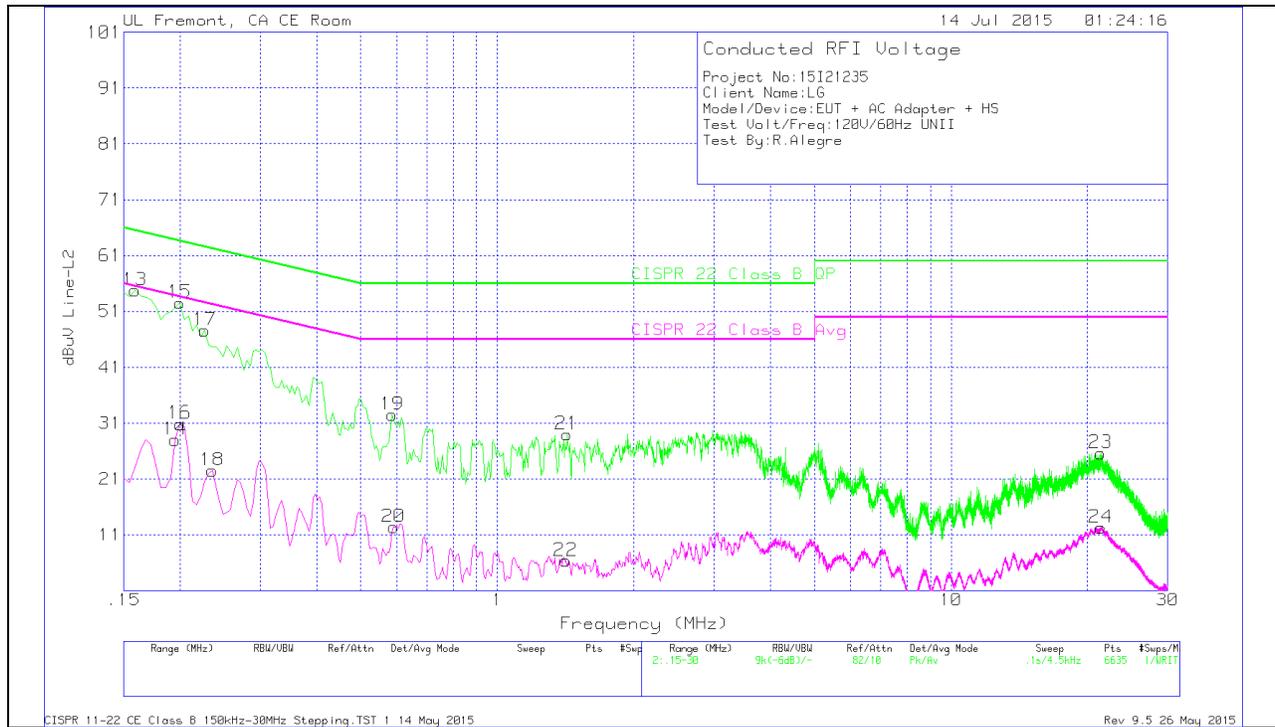
Range 1: Line-L1 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1	LC Cables 1&3	Corrected Reading dBuV	CISPR 22 Class B QP	Margin (dB)	CISPR 22 Class B Avg	Margin (dB)
1	.1545	55.79	Pk	1.3	0	57.09	65.75	-8.66		
2	.1545	34.32	Av	1.3	0	35.62	-	-	55.75	-20.13
3	.1995	53.25	Pk	.9	0	54.15	63.63	-9.48		
4	.1995	34.63	Av	.9	0	35.53	-	-	53.63	-18.1
5	.2445	49.18	Pk	.7	0	49.88	61.94	-12.06		
6	.2265	28.39	Av	.8	0	29.19	-	-	52.58	-23.39
7	.6	38.94	Pk	.3	0	39.24	56	-16.76		
8	.6135	22.88	Av	.3	0	23.18	-	-	46	-22.82
9	1.2165	33.14	Pk	.2	.1	33.44	56	-22.56		
10	1.212	15.87	Av	.2	0	16.07	-	-	46	-29.93
11	21.3675	31.21	Pk	.3	.2	31.71	60	-28.29		
12	21.4395	17.17	Av	.3	.2	17.67	-	-	50	-32.33

Pk - Peak detector

Av - Average detection

LINE 2 PLOT



LINE 2 RESULTS

Range 2: Line-L2 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2	LC Cables 2&3	Corrected Reading dBuV	CISPR 22 Class B QP	Margin (dB)	CISPR 22 Class B Avg	Margin (dB)
13	.159	53.38	Pk	1.4	0	54.78	65.52	-10.74		
14	.195	27.06	Av	1	0	28.06	-	-	53.82	-25.76
15	.1995	51.54	Pk	1	0	52.54	63.63	-11.09		
16	.1995	29.89	Av	1	0	30.89	-	-	53.63	-22.74
17	.2265	46.75	Pk	.9	0	47.65	62.58	-14.93		
18	.2355	21.74	Av	.8	0	22.54	-	-	52.25	-29.71
19	.5865	32.22	Pk	.3	0	32.52	56	-23.48		
20	.591	12.11	Av	.3	0	12.41	-	-	46	-33.59
21	1.4235	28.69	Pk	.2	.1	28.99	56	-27.01		
22	1.4145	6.05	Av	.2	.1	6.35	-	-	46	-39.65
23	21.363	25.13	Pk	.3	.2	25.63	60	-34.37		
24	21.39	11.81	Av	.3	.2	12.31	-	-	50	-37.69

Pk - Peak detector

Av - Average detection

14. DYNAMIC FREQUENCY SELECTION

14.1. OVERVIEW

14.1.1. LIMITS

INDUSTRY CANADA

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

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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
<p>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.</p>		

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
<p>Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna</p> <p>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.</p> <p>Note 3: E.I.R.P. is based on the highest antenna gain. For MIMO devices refer to KDB publication 662911 D01.</p>	

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)
<p>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.</p> <p>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.</p> <p>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.</p>	