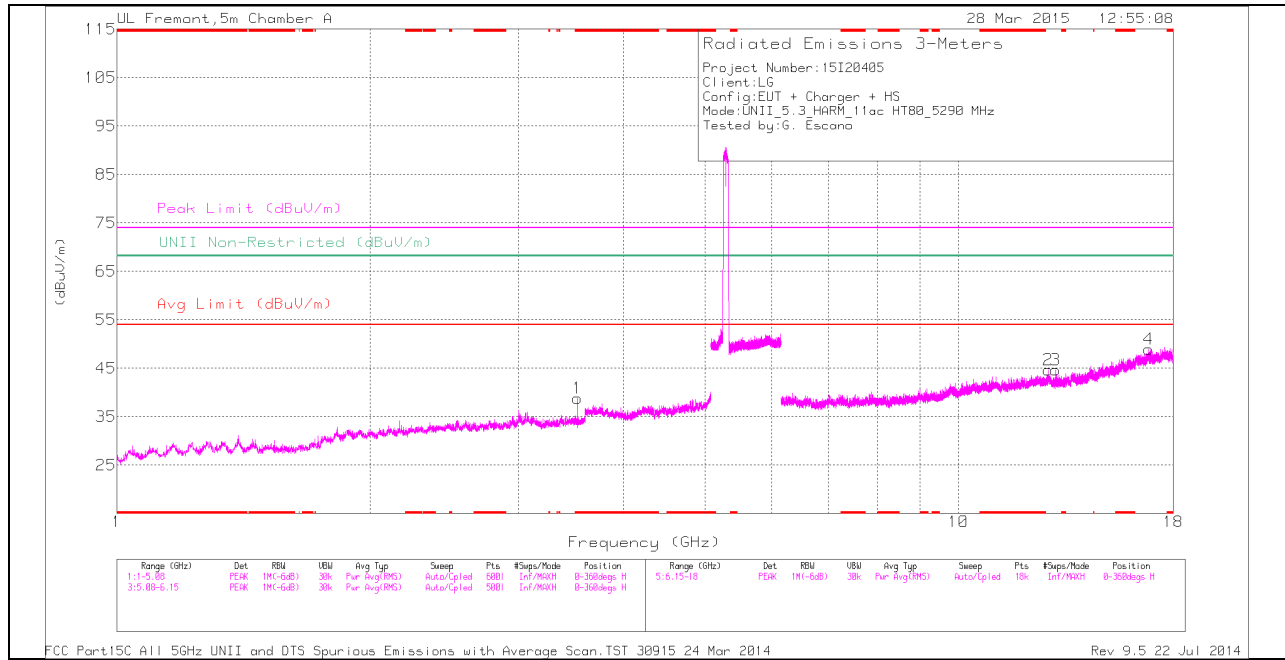


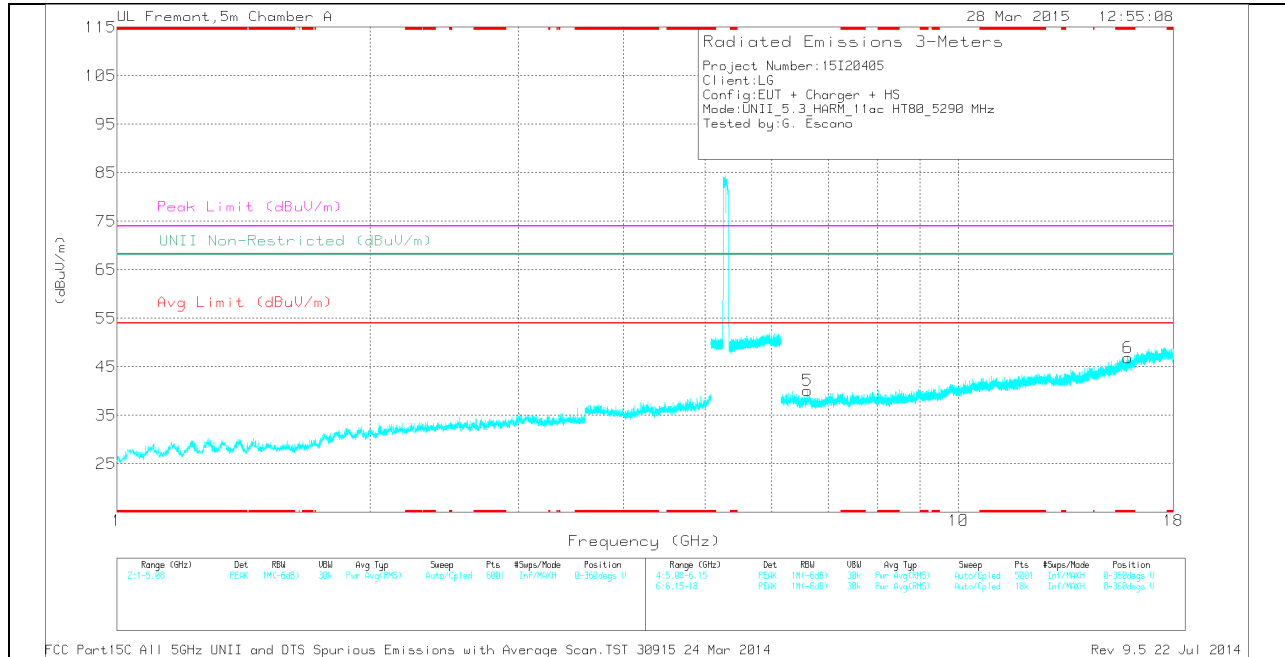
### HARMONICS AND SPURIOUS EMISSIONS

#### 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)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.527	36.09	PK	33.1	-30.4	0	38.79	-	-	74	-35.21	-	-	0-360	100	H
6	* 15.891	26.05	PK	40.7	-19.9	0	46.85	-	-	74	-27.15	-	-	0-360	100	V
5	6.617	30.42	PK	35.6	-25.9	0	40.12	-	-	-	-	68.2	-28.08	0-360	100	V
2	12.786	26.72	PK	39.2	-21.2	0	44.72	-	-	-	-	68.2	-23.48	0-360	201	H
3	13.054	27.01	PK	39.1	-21.5	0	44.61	-	-	-	-	68.2	-23.59	0-360	201	H
4	16.829	25.48	PK	41.7	-18.2	0	48.98	-	-	-	-	68.2	-19.22	0-360	100	H

\* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

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
* 3.527	42.21	PK1	33.1	-30.4	0	44.91	-	-	74	-29.09	-	-	95	216	H
* 3.527	34.33	AD1	33.1	-30.4	.36	37.39	54	-16.61	-	-	-	-	95	216	H
* 15.892	28.2	PK1	40.7	-19.9	0	49	-	-	74	-25	-	-	0	245	V
* 15.891	21.66	AD1	40.7	-19.9	.36	42.82	54	-11.18	-	-	-	-	0	245	V

\* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

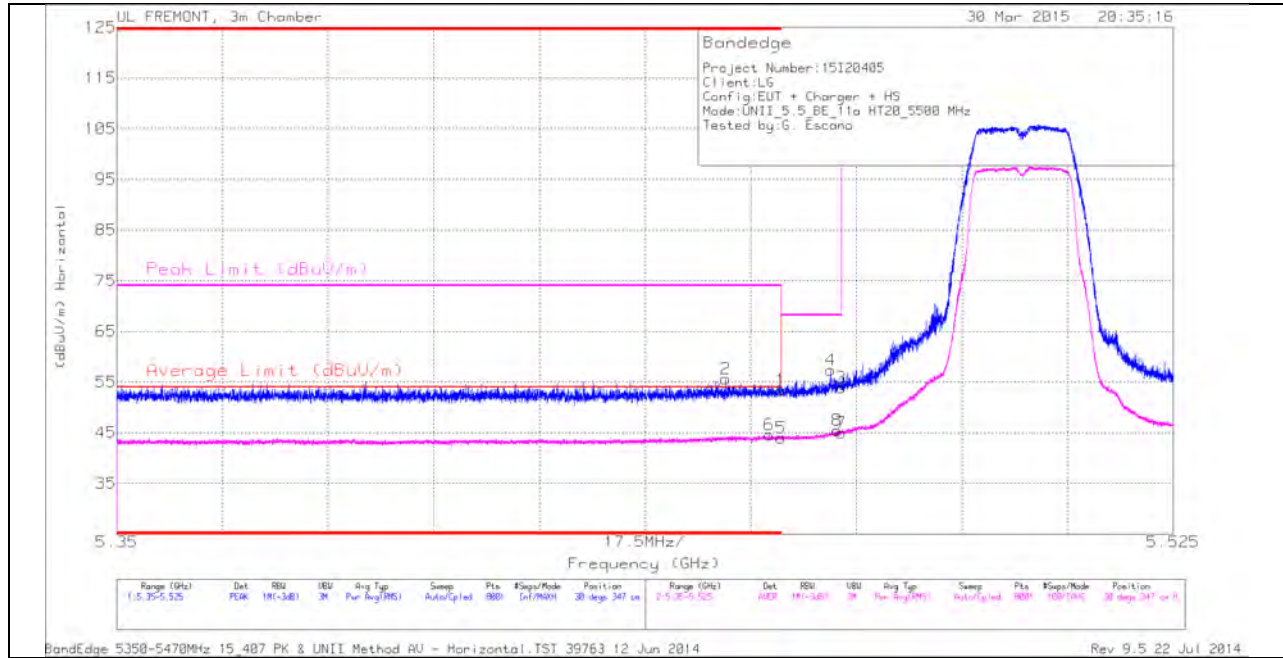
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

### 11.3. 5.5-5.6 GHz

#### 11.3.1. TX ABOVE 1 GHz 802.11a MODE IN THE 5.5 GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

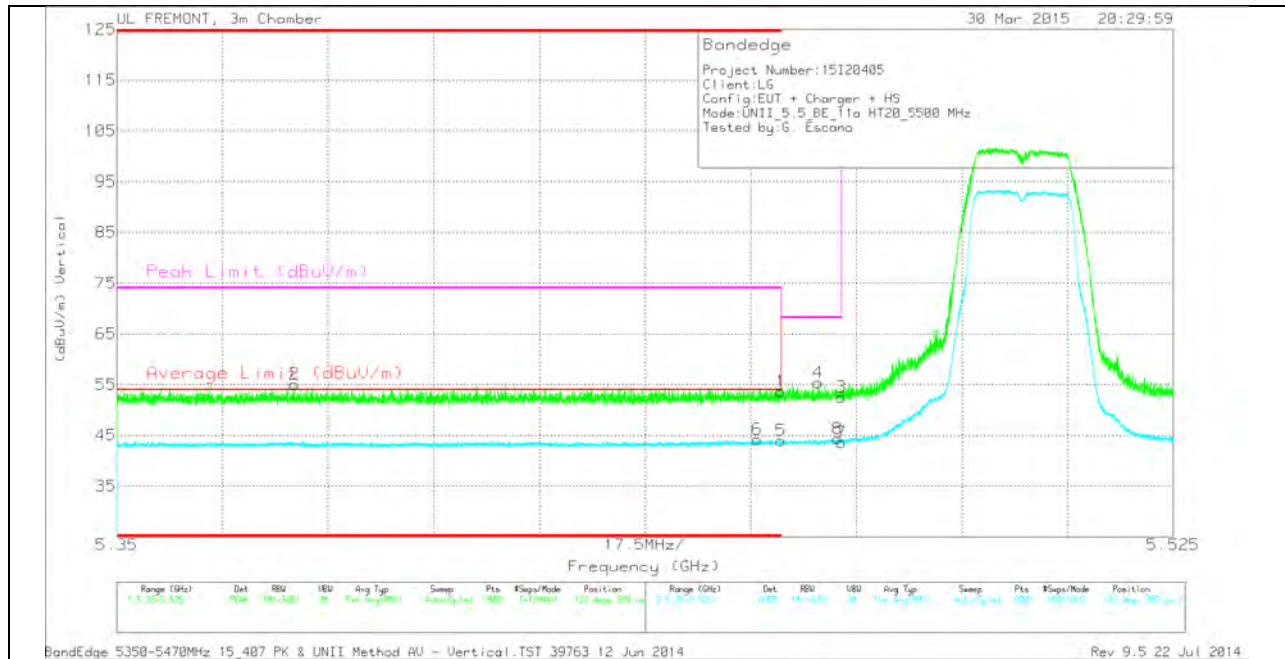
HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/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
2	* 5.451	42.44	PK	34.6	-21.4	0	55.64	-	-	74	-18.36	30	347	H
6	* 5.458	31.13	RMS	34.6	-21.4	.21	44.54	54	-9.46	-	-	30	347	H
1	* 5.46	40.23	PK	34.6	-21.4	0	53.43	-	-	74	-20.57	30	347	H
5	* 5.46	30.54	RMS	34.6	-21.4	.21	43.95	54	-10.05	-	-	30	347	H
4	5.468	44.05	PK	34.6	-21.3	0	57.35	-	-	68.2	-10.85	30	347	H
8	5.469	31.9	RMS	34.6	-21.3	.21	45.41	-	-	-	-	30	347	H
3	5.47	40.64	PK	34.6	-21.3	0	53.94	-	-	68.2	-14.26	30	347	H
7	5.47	31.47	RMS	34.6	-21.3	.21	44.98	-	-	-	-	30	347	H

**VERTICAL PEAK AND AVERAGE PLOT**

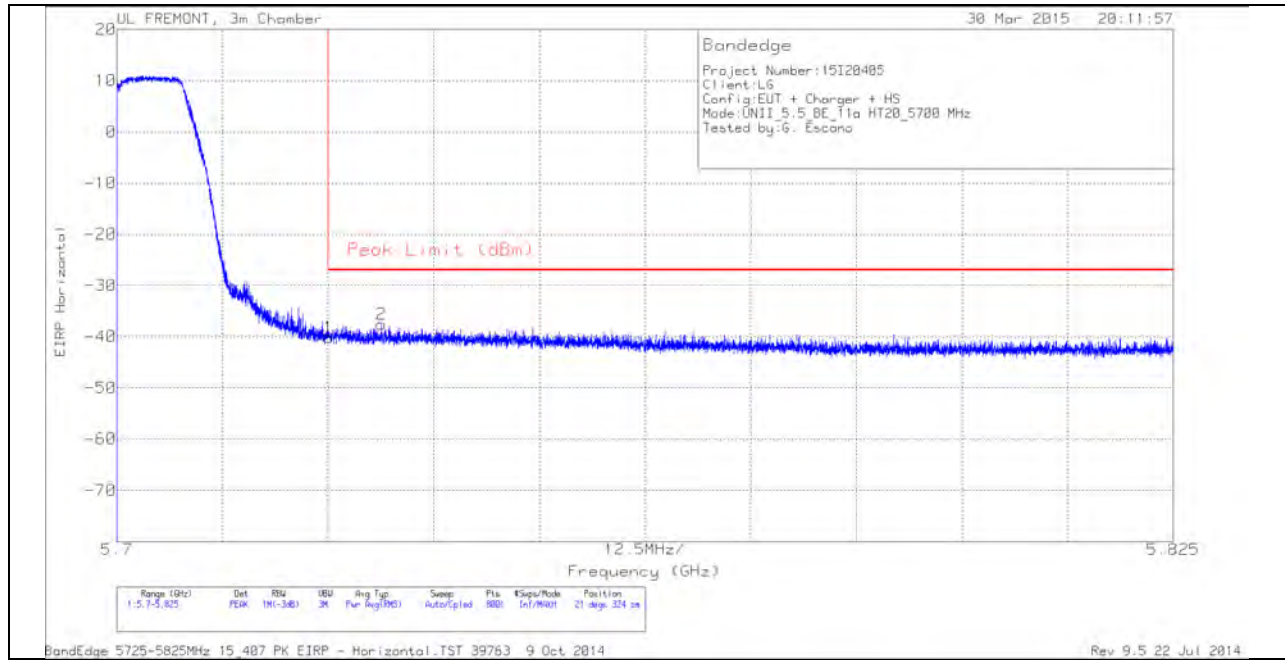


**VERTICAL DATA**

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
2	* 5.379	41.77	PK	34.6	-21.3	0	55.07	-	-	74	-18.93	122	389	V
6	* 5.456	30.77	RMS	34.6	-21.4	.21	44.18	54	-9.82	-	-	122	389	V
1	* 5.46	40.47	PK	34.6	-21.4	0	53.67	-	-	74	-20.33	122	389	V
5	* 5.46	30.59	RMS	34.6	-21.4	.21	44	54	-10	-	-	122	389	V
4	5.466	42.07	PK	34.6	-21.3	0	55.37	-	-	68.2	-12.83	122	389	V
8	5.469	30.81	RMS	34.6	-21.3	.21	44.32	-	-	-	-	122	389	V
3	5.47	39.2	PK	34.6	-21.3	0	52.5	-	-	68.2	-15.7	122	389	V
7	5.47	30.13	RMS	34.6	-21.3	.21	43.64	-	-	-	-	122	389	V

### AUTHORIZED BANDEDGE (HIGH CHANNEL)

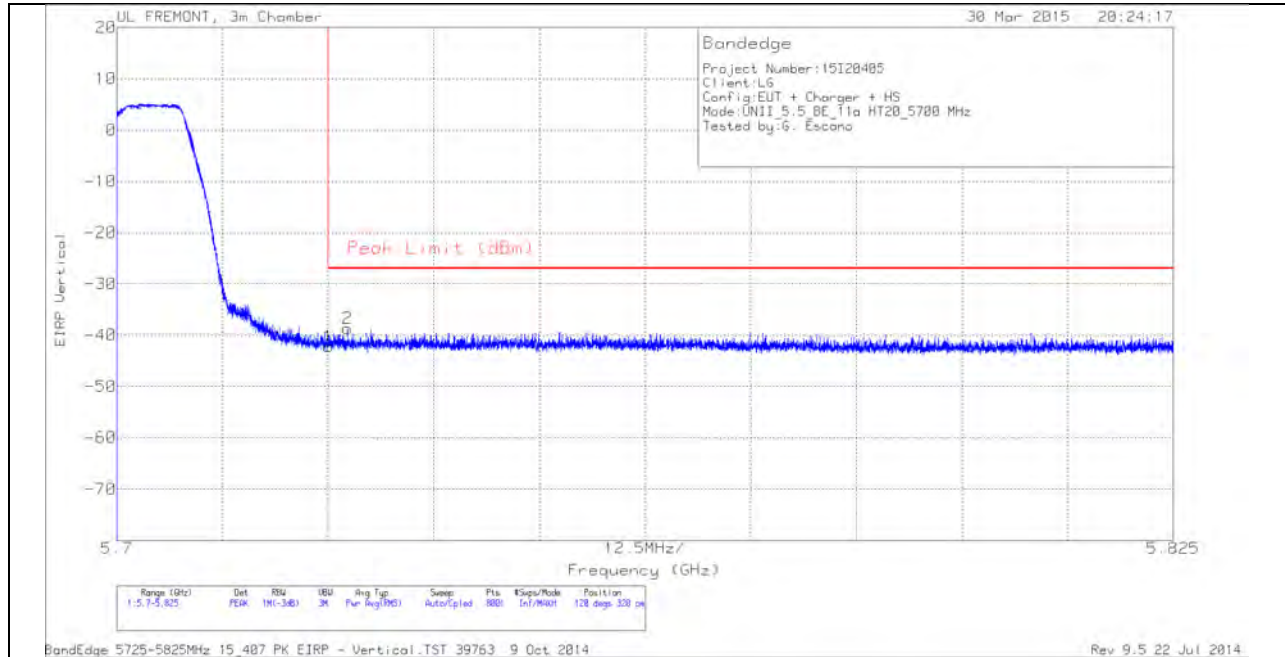
#### HORIZONTAL PEAK PLOT



#### 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
1	5.725	-65.64	PK	34.8	-21.1	11.8	-40.14	-27	-13.14	21	324	H
2	5.731	-63.08	PK	34.8	-21.1	11.8	-37.58	-27	-10.58	21	324	H

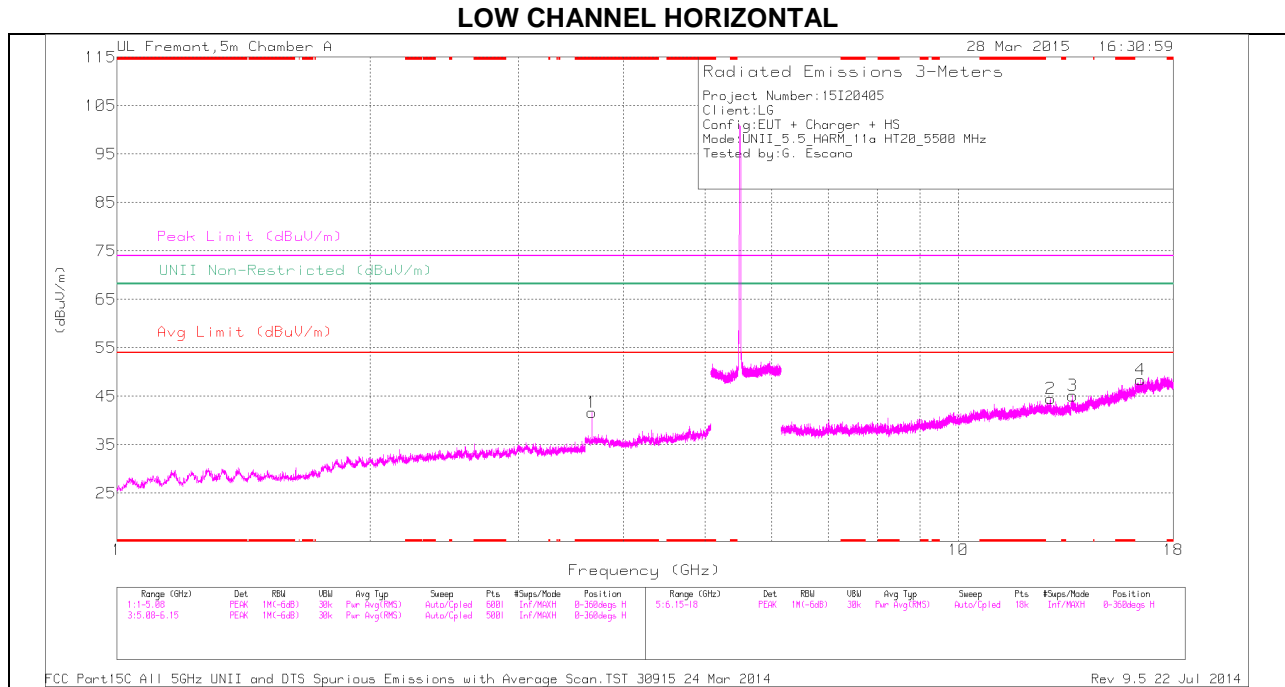
**VERTICAL PEAK PLOT**



**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
1	5.725	-67.73	PK	34.8	-21.1	11.8	-42.23	-27	-15.23	120	320	V
2	5.727	-64.14	PK	34.8	-21.1	11.8	-38.64	-27	-11.64	120	320	V

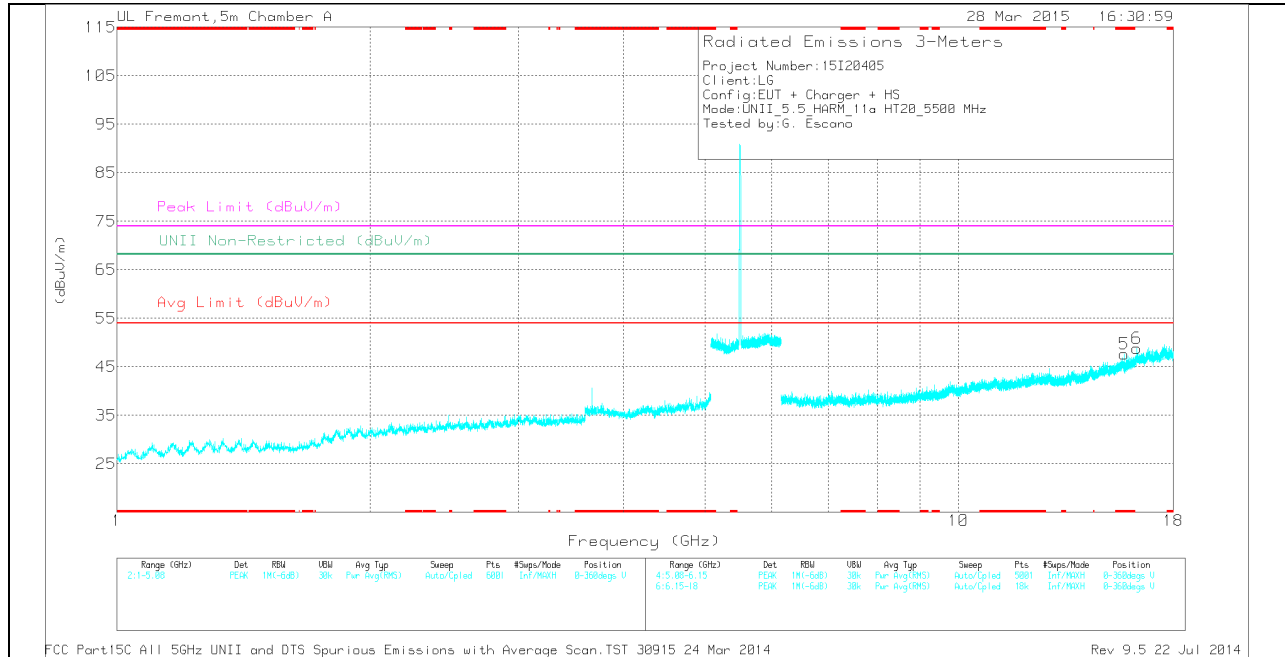
### HARMONICS AND SPURIOUS EMISSIONS



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)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.667	38.91	PK	33.2	-30.4	0	41.71	-	-	74	-32.29	-	-	0-360	201	H
5	* 15.739	27.35	PK	40.4	-20.1	0	47.65	-	-	74	-26.35	-	-	0-360	100	V
2	12.859	26.89	PK	39.2	-21.6	0	44.49	-	-	-	-	68.2	-23.71	0-360	100	H
3	13.678	28.12	PK	38.8	-21.8	0	45.12	-	-	-	-	68.2	-23.08	0-360	201	H
6	16.288	26.24	PK	41.2	-18.6	0	48.84	-	-	-	-	68.2	-19.36	0-360	100	V
4	16.46	26.27	PK	41.6	-19.5	0	48.37	-	-	-	-	68.2	-19.83	0-360	201	H

\* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK - Peak detector

**Radiated Emissions**

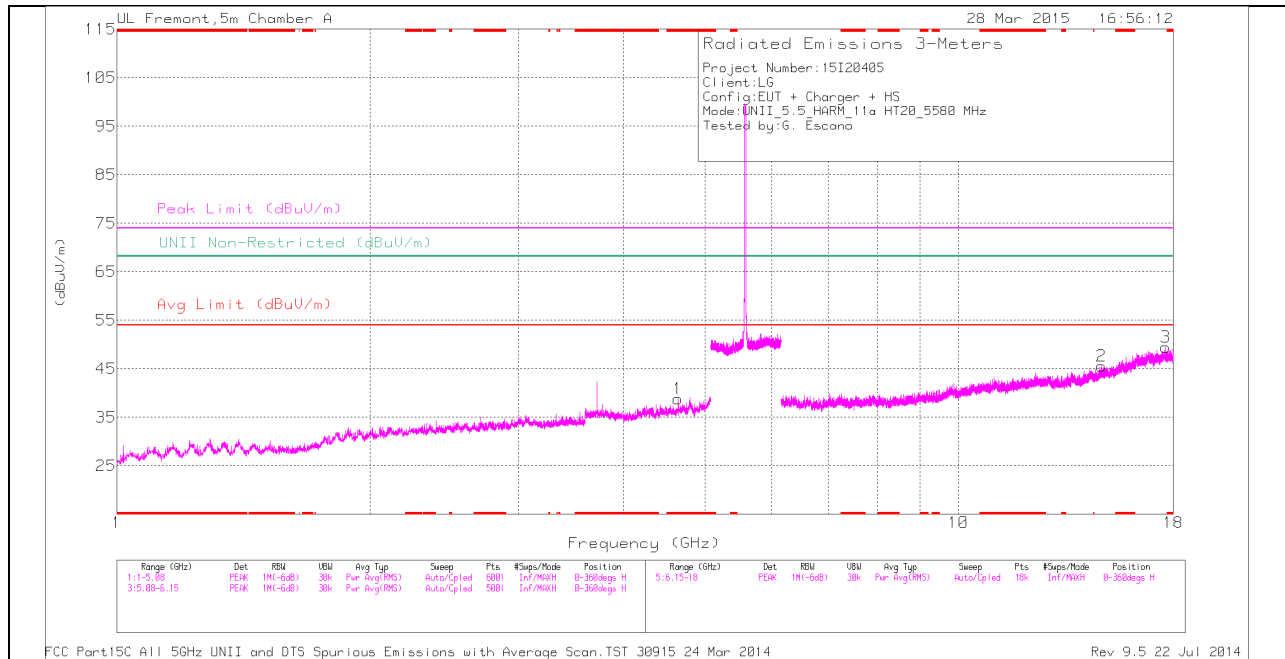
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.667	44.22	PK1	33.2	-30.4	0	47.02	-	-	74	-26.98	-	-	218	202	H
* 3.667	37.12	AD1	33.2	-30.4	.21	40.13	54	-13.87	-	-	-	-	218	202	H
* 15.74	33.01	PK1	40.4	-20.2	0	53.21	-	-	74	-20.79	-	-	186	202	V
* 15.738	21.81	AD1	40.4	-20.1	.21	42.32	54	-11.68	-	-	-	-	186	202	V

\* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK1 - KDB789033 Method: Peak

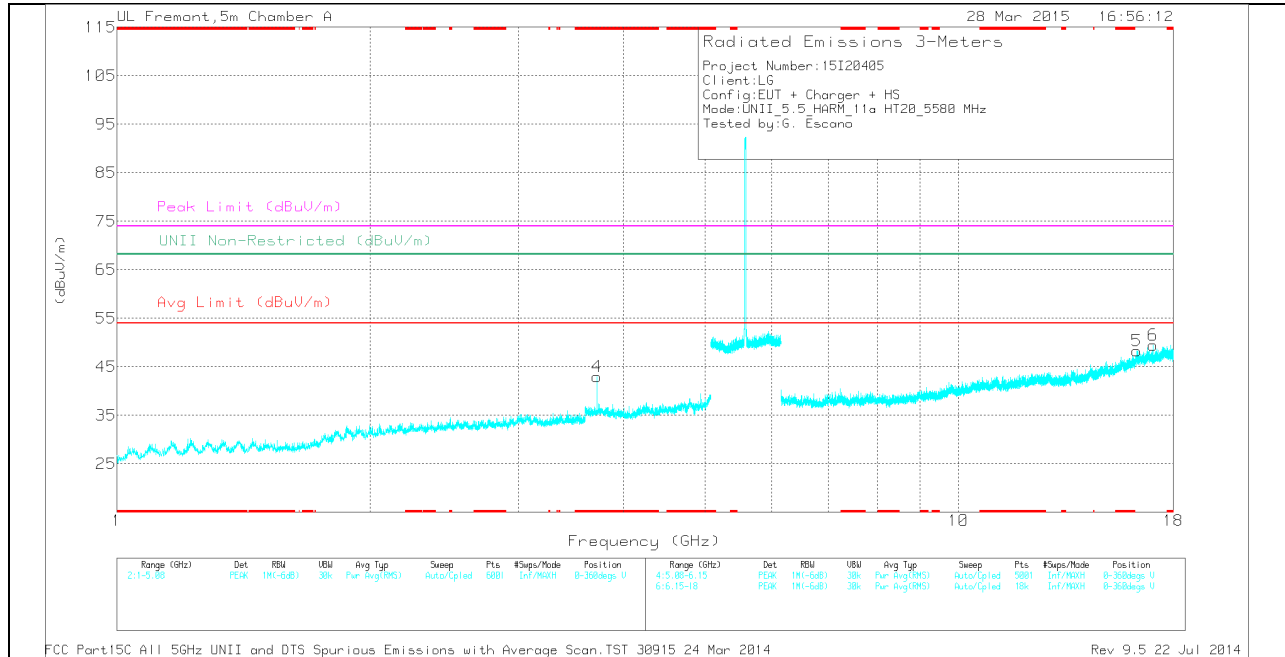
AD1 - KDB789033 Method: AD Primary Power Average

**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)	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	* 4.645	32.56	PK	34.1	-27.9	0	38.76	-	-	74	-35.24	-	-	0-360	201	H
4	* 3.72	39.49	PK	33.3	-29.8	0	42.99	-	-	74	-31.01	-	-	0-360	201	V
2	14.792	26.78	PK	39.6	-20.8	0	45.58	-	-	-	-	68.2	-22.62	0-360	100	H
5	16.294	25.61	PK	41.2	-18.5	0	48.31	-	-	-	-	68.2	-19.89	0-360	201	V
6	17.022	26.62	PK	41.4	-18.6	0	49.42	-	-	-	-	68.2	-18.78	0-360	100	V
3	17.624	26.04	PK	41.6	-18.2	0	49.44	-	-	-	-	68.2	-18.76	0-360	201	H

\* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK - Peak detector

**Radiated Emissions**

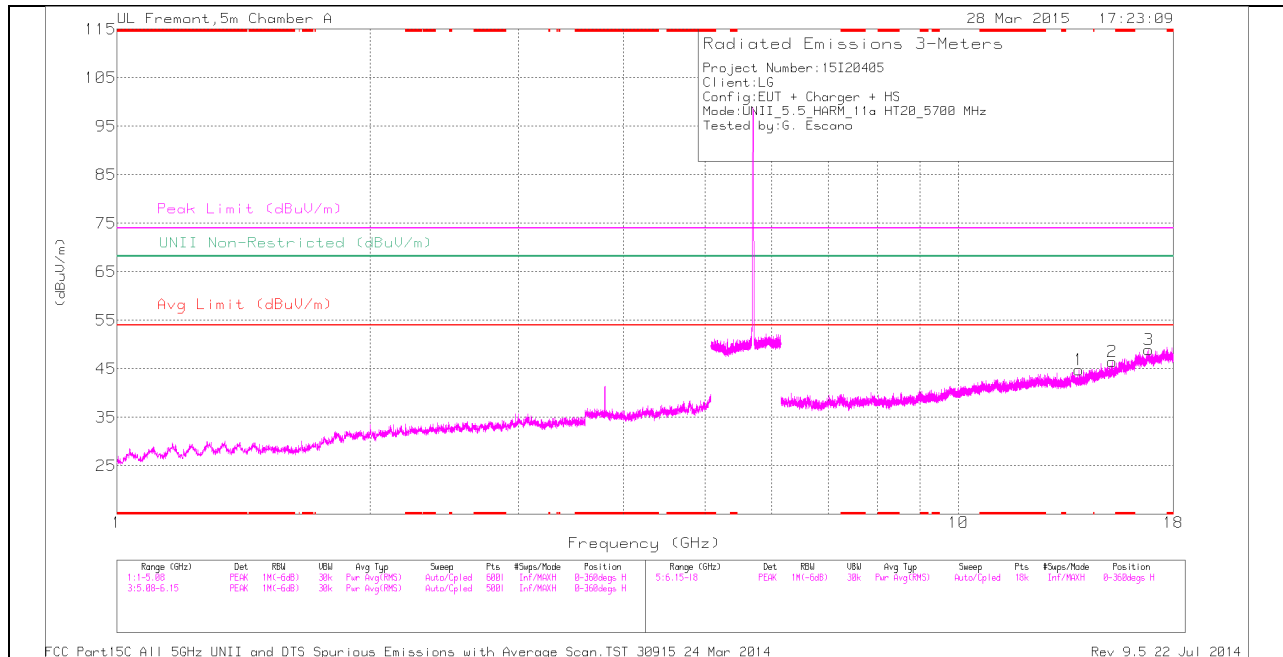
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.646	40.15	PK1	34.1	-27.9	0	46.35	-	-	74	-27.65	-	-	182	380	H
* 4.645	27.41	AD1	34.1	-27.9	.21	33.82	54	-20.18	-	-	-	-	182	380	H
* 3.72	45.15	PK1	33.3	-29.8	0	48.65	-	-	74	-25.35	-	-	345	234	V
* 3.72	38.87	AD1	33.3	-29.8	.21	42.58	54	-11.42	-	-	-	-	345	234	V

\* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK1 - KDB789033 Method: Peak

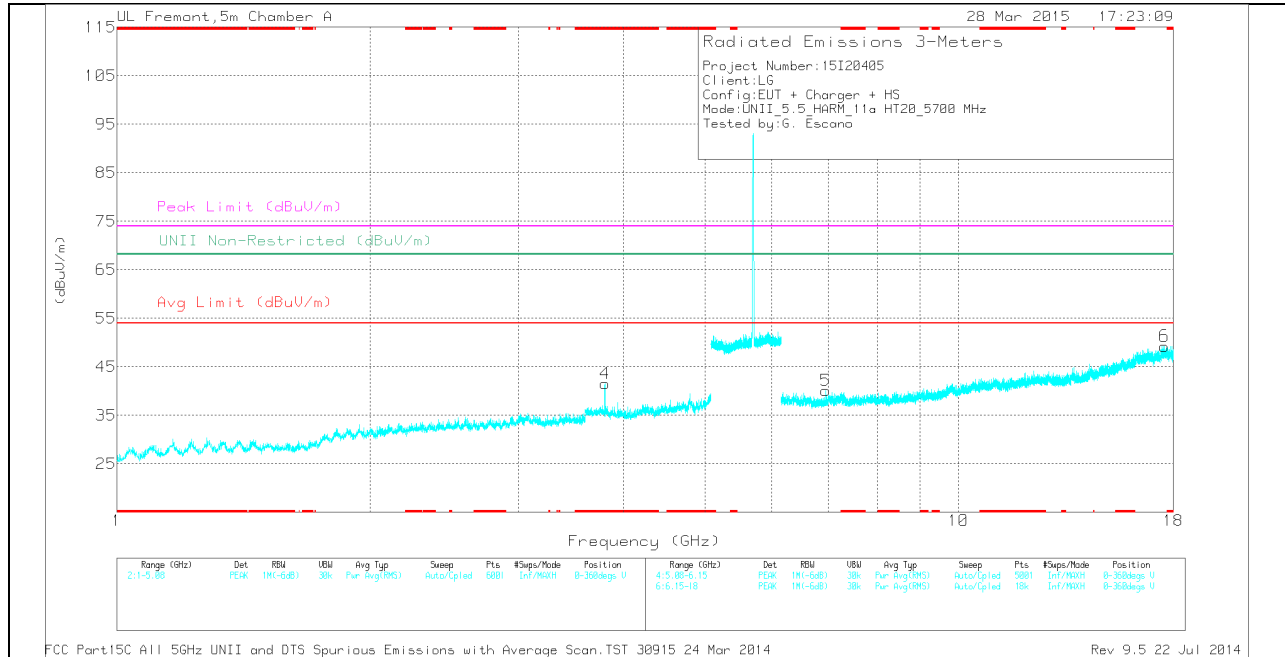
AD1 - KDB789033 Method: AD Primary Power Average

**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
4	* 3.8	37.53	PK	33.4	-29.4	0	41.53	-	-	74	-32.47	-	-	0-360	201	V
5	6.954	30.57	PK	35.6	-26.1	0	40.07	-	-	-	-	68.2	-28.13	0-360	201	V
1	13.9	27.63	PK	38.7	-21.5	0	44.83	-	-	-	-	68.2	-23.37	0-360	201	H
2	15.233	26.81	PK	39.9	-20.2	0	46.51	-	-	-	-	68.2	-21.69	0-360	100	H
3	16.824	25.44	PK	41.7	-18.2	0	48.94	-	-	-	-	68.2	-19.26	0-360	201	H
6	17.559	25.57	PK	41.7	-18	0	49.27	-	-	-	-	68.2	-18.93	0-360	100	V

\* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

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
* 3.8	44.73	PK1	33.4	-29.4	0	48.73	-	-	74	-25.27	-	-	342	259	V
* 3.8	37.65	AD1	33.4	-29.4	.21	41.86	54	-12.14	-	-	-	-	342	259	V

\* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

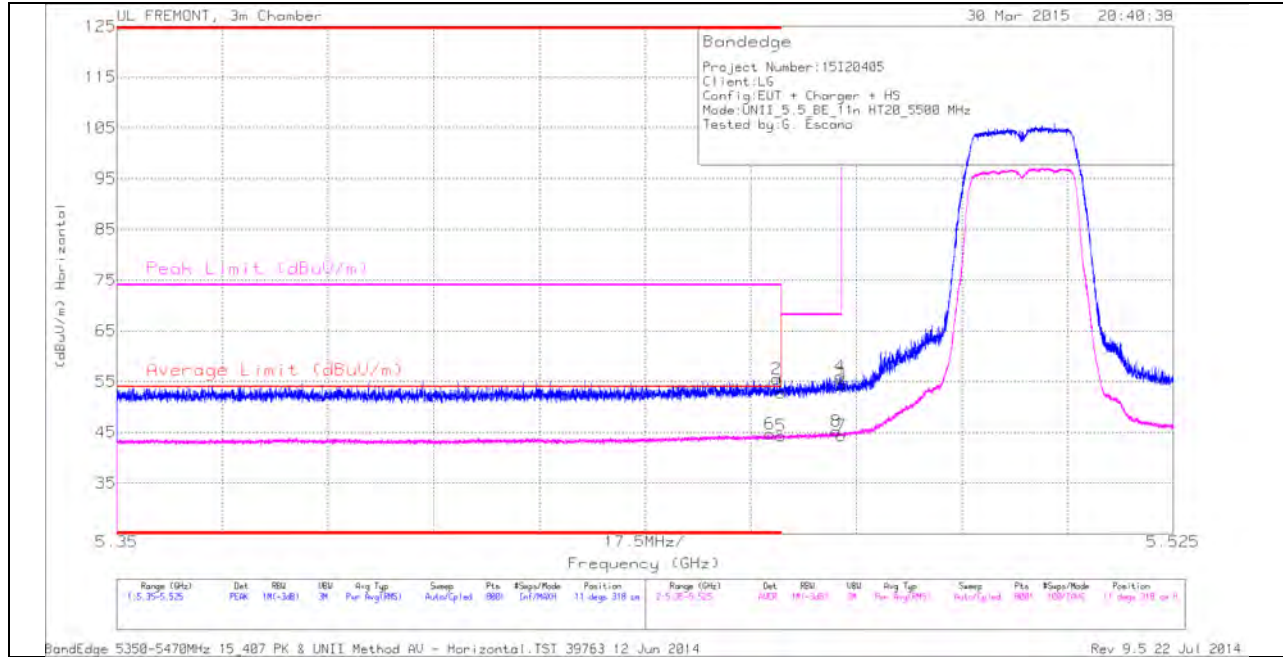
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average



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

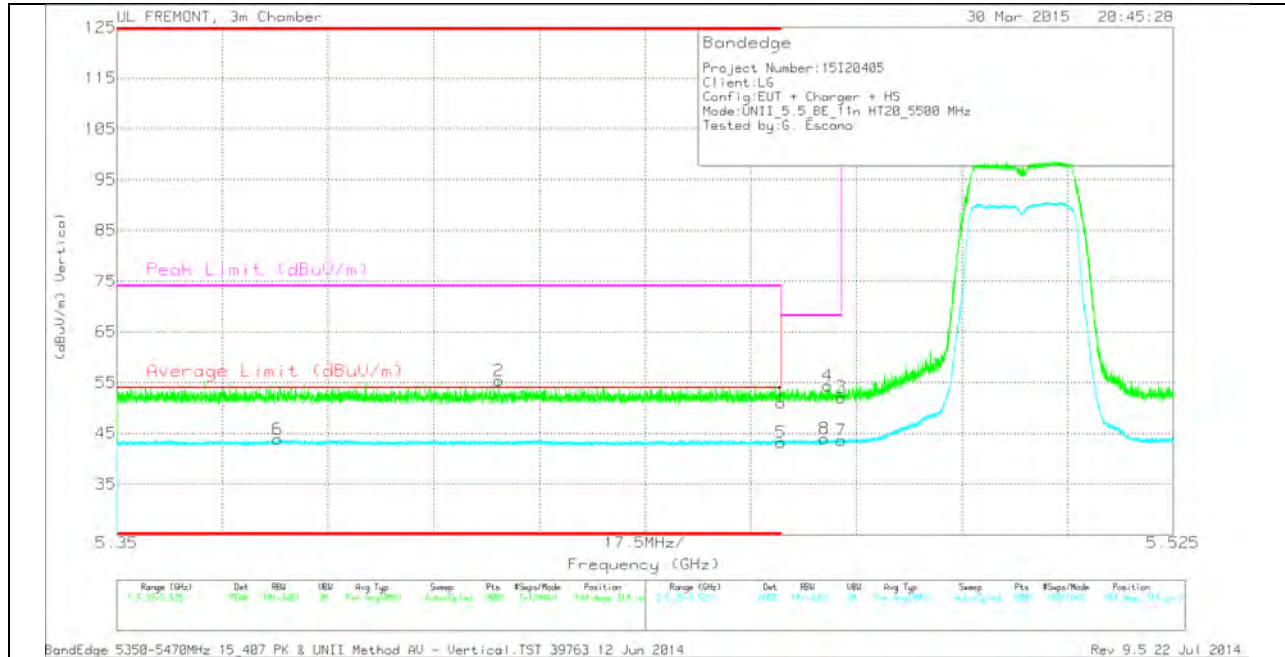
**HORIZONTAL PEAK AND AVERAGE PLOT**



**HORIZONTAL DATA**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/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
6	* 5.458	31.26	RMS	34.6	-21.4	.22	44.68	54	-9.32	-	-	11	318	H
2	* 5.459	42.33	PK	34.6	-21.4	0	55.53	-	-	74	-18.47	11	318	H
1	* 5.46	39.58	PK	34.6	-21.4	0	52.78	-	-	74	-21.22	11	318	H
5	* 5.46	30.87	RMS	34.6	-21.4	.22	44.29	54	-9.71	-	-	11	318	H
8	5.469	31.72	RMS	34.6	-21.3	.22	45.24	-	-	-	-	11	318	H
3	5.47	41.12	PK	34.6	-21.3	0	54.42	-	-	68.2	-13.78	11	318	H
4	5.47	42.67	PK	34.6	-21.3	0	55.97	-	-	68.2	-12.23	11	318	H
7	5.47	30.82	RMS	34.6	-21.3	.22	44.34	-	-	-	-	11	318	H

**VERTICAL PEAK AND AVERAGE PLOT**

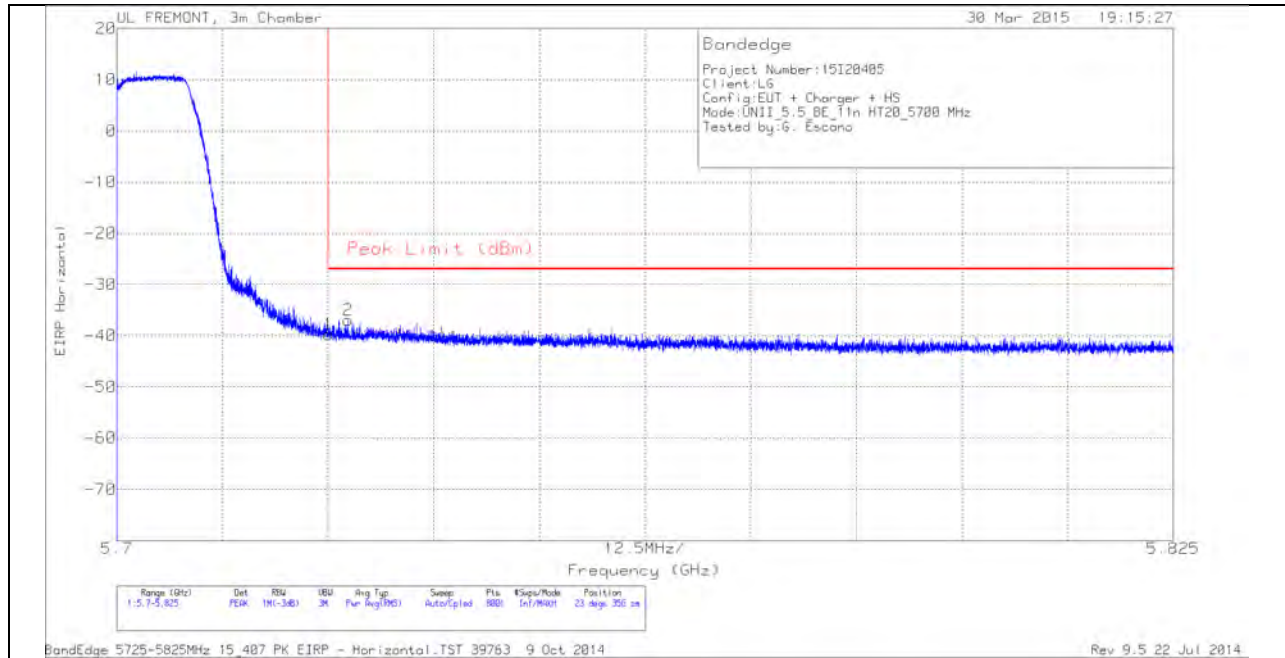


**VERTICAL DATA**

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
6	* 5.377	30.36	RMS	34.6	-21.3	.22	43.88	54	-10.12	-	-	104	314	V
2	* 5.413	42.18	PK	34.6	-21.4	0	55.38	-	-	74	-18.62	104	314	V
1	* 5.46	37.81	PK	34.6	-21.4	0	51.01	-	-	74	-22.99	104	314	V
5	* 5.46	29.8	RMS	34.6	-21.4	.22	43.22	54	-10.78	-	-	104	314	V
8	5.467	30.46	RMS	34.6	-21.3	.22	43.98	-	-	-	-	104	314	V
4	5.468	41.11	PK	34.6	-21.3	0	54.41	-	-	68.2	-13.79	104	314	V
3	5.47	38.79	PK	34.6	-21.3	0	52.09	-	-	68.2	-16.11	104	314	V
7	5.47	30.08	RMS	34.6	-21.3	.22	43.60	-	-	-	-	104	314	V

### AUTHORIZED BANDEDGE (HIGH CHANNEL)

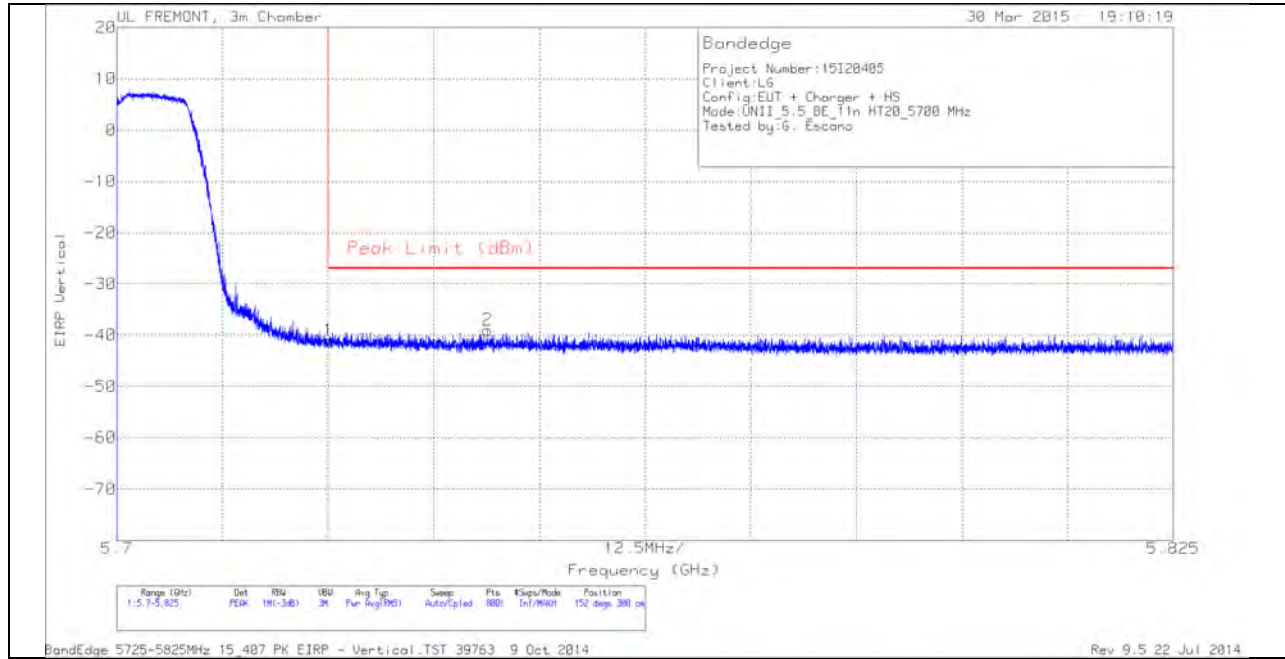
#### HORIZONTAL PEAK PLOT



#### 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	-65.29	PK	34.8	-21.1	11.8	-39.79	-27	-12.79	23	356	H
2	5.727	-62.46	PK	34.8	-21.1	11.8	-36.96	-27	-9.96	23	356	H

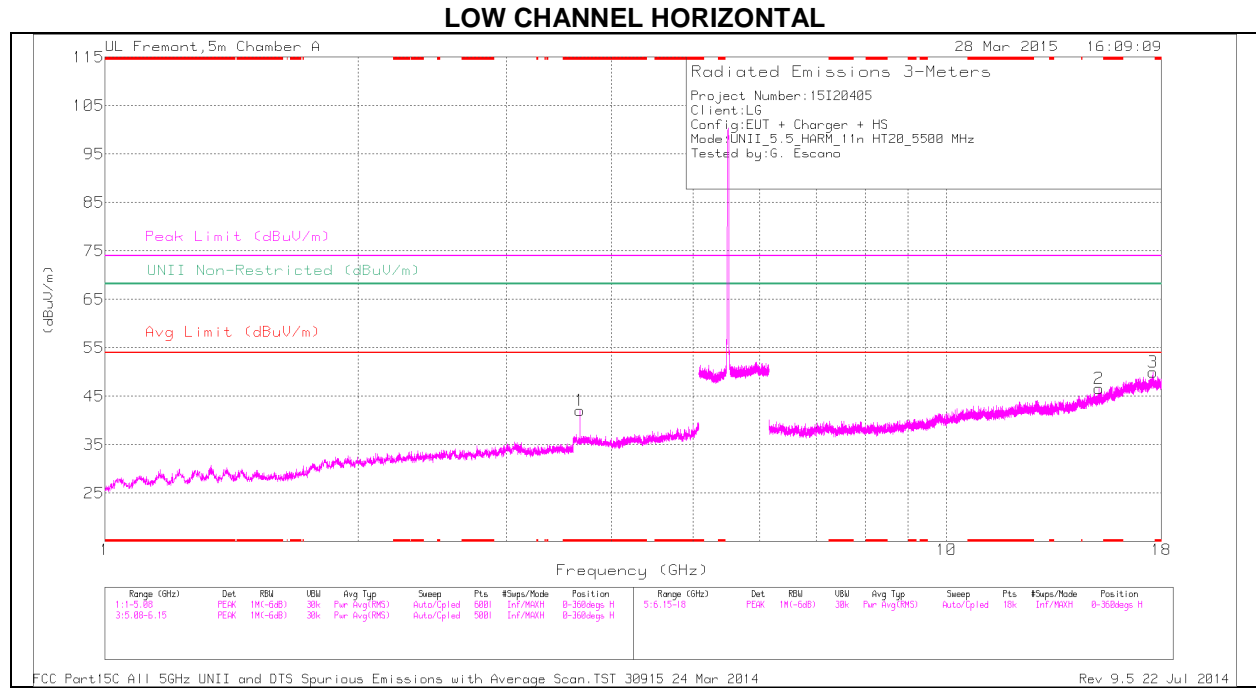
**VERTICAL PEAK PLOT**



**VERTICAL DATA**

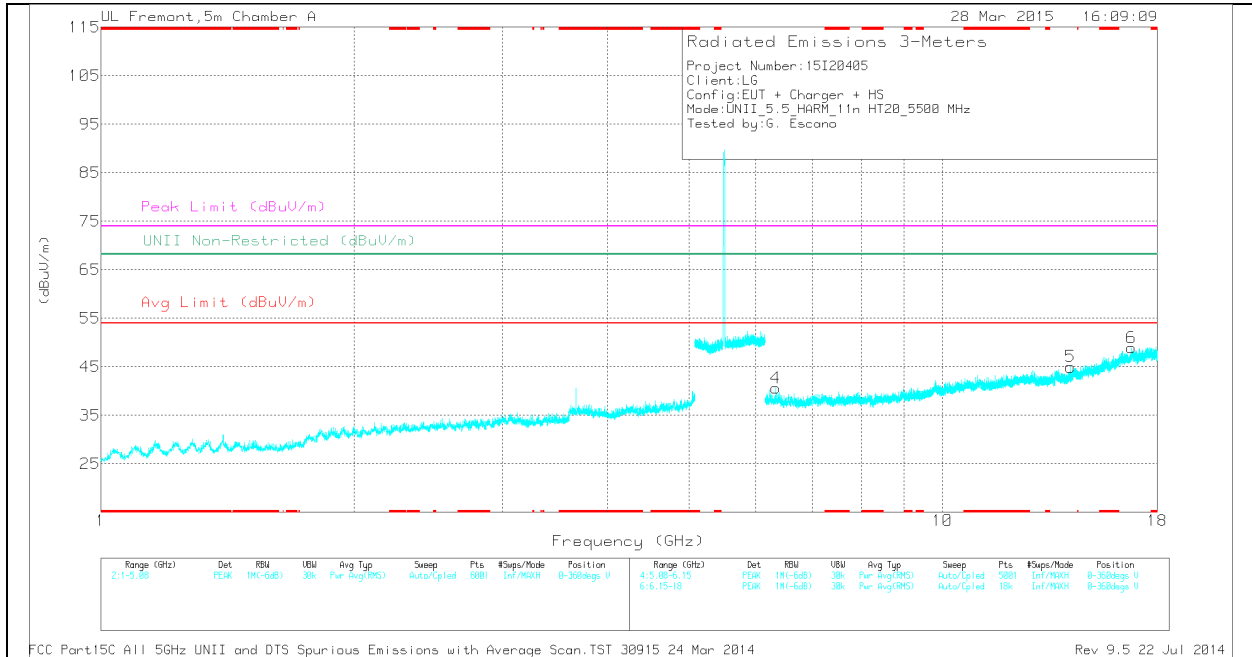
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-66.52	PK	34.8	-21.1	11.8	-41.02	-27	-14.02	152	300	V
2	5.744	-64.48	PK	34.8	-21.1	11.8	-38.98	-27	-11.98	152	300	V

### HARMONICS AND SPURIOUS EMISSIONS



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)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.667	39.23	PK	33.2	-30.4	0	42.03	-	-	74	-31.97	-	-	0-360	201	H
4	6.342	31.72	PK	35.5	-26.6	0	40.62	-	-	-	-	68.2	-27.58	0-360	100	V
5	14.185	28.09	PK	38.8	-21.9	0	44.99	-	-	-	-	68.2	-23.21	0-360	100	V
2	15.182	27.19	PK	39.9	-20.5	0	46.59	-	-	-	-	68.2	-21.61	0-360	201	H
6	16.776	25.94	PK	41.8	-18.8	0	48.94	-	-	-	-	68.2	-19.26	0-360	100	V
3	17.61	26.74	PK	41.7	-18.4	0	50.04	-	-	-	-	68.2	-18.16	0-360	100	H

\* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK - Peak detector

**Radiated Emissions**

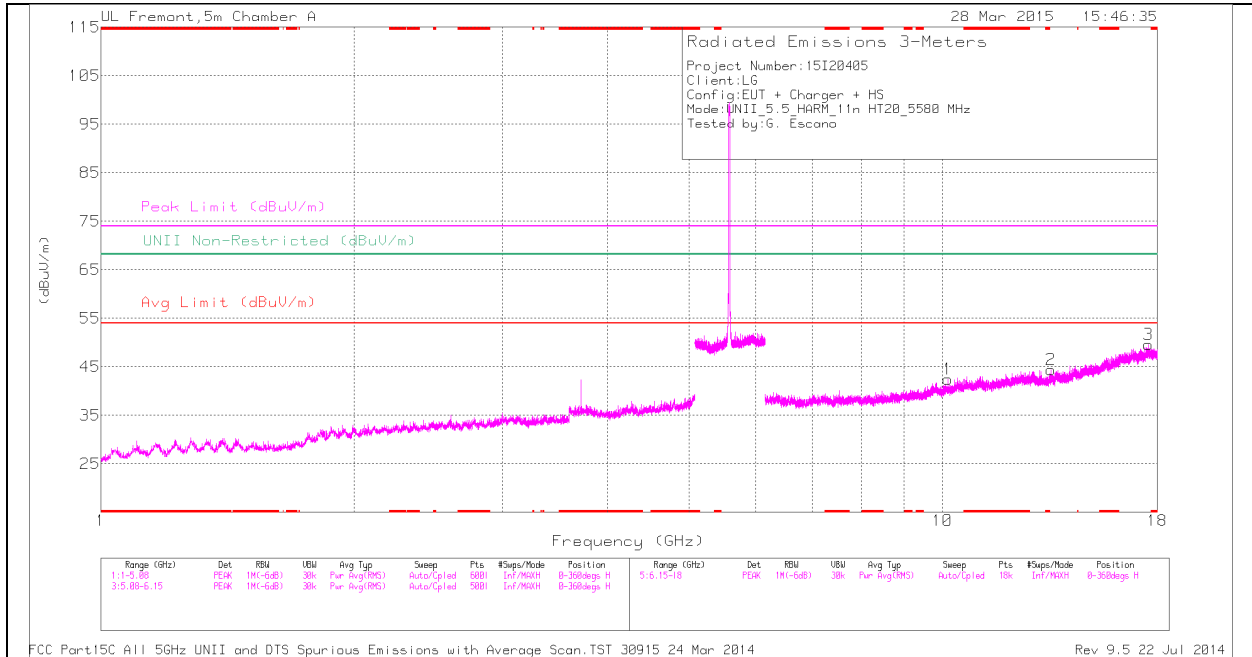
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.667	44.9	PK1	33.2	-30.4	0	47.7	-	-	74	-26.3	-	-	219	175	H
* 3.667	36.61	AD1	33.2	-30.4	.22	39.63	54	-14.37	-	-	-	-	219	175	H

\* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

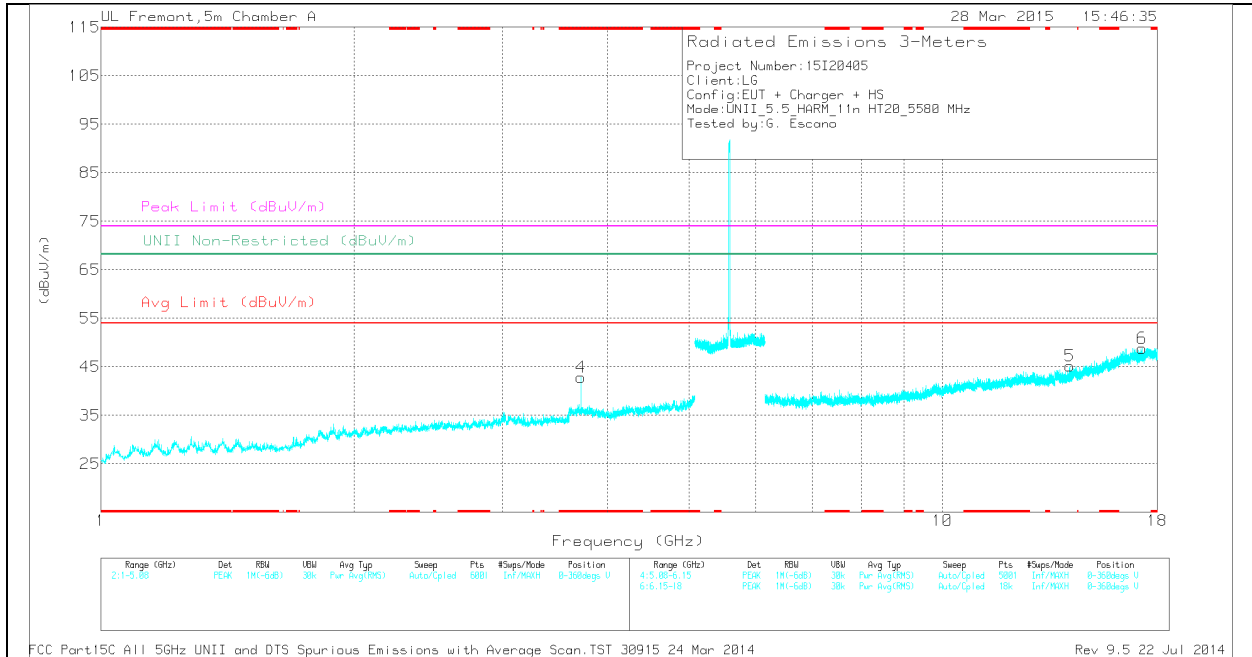
**MID CHANNEL HORIZONTAL**



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)	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	* 3.72	39.33	PK	33.3	-29.8	0	42.83	-	-	74	-31.17	-	-	0-360	201	V
1	10.148	28.01	PK	37.2	-22.8	0	42.41	-	-	-	-	68.2	-25.79	0-360	100	H
2	13.447	26.48	PK	39.1	-21.2	0	44.38	-	-	-	-	68.2	-23.82	0-360	100	H
5	14.165	28.05	PK	38.8	-21.7	0	45.15	-	-	-	-	68.2	-23.05	0-360	201	V
6	17.265	26.22	PK	41.2	-18.6	0	48.82	-	-	-	-	68.2	-19.38	0-360	201	V
3	17.556	25.88	PK	41.7	-18	0	49.58	-	-	-	-	68.2	-18.62	0-360	100	H

\* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK - Peak detector

**Radiated Emissions**

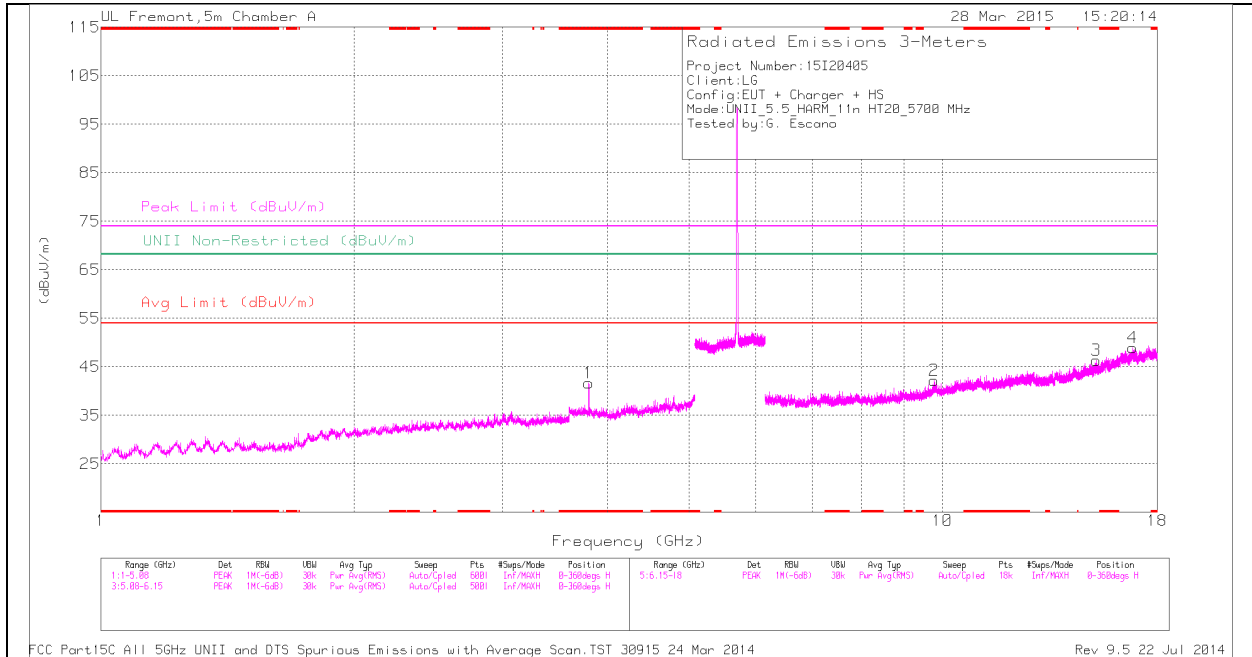
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.72	45.45	PK1	33.3	-29.8	0	48.95	-	-	74	-25.05	-	-	348	270	V
* 3.72	39.9	AD1	33.3	-29.8	.22	43.62	54	-10.38	-	-	-	-	348	270	V

\* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK1 - KDB789033 Method: Peak

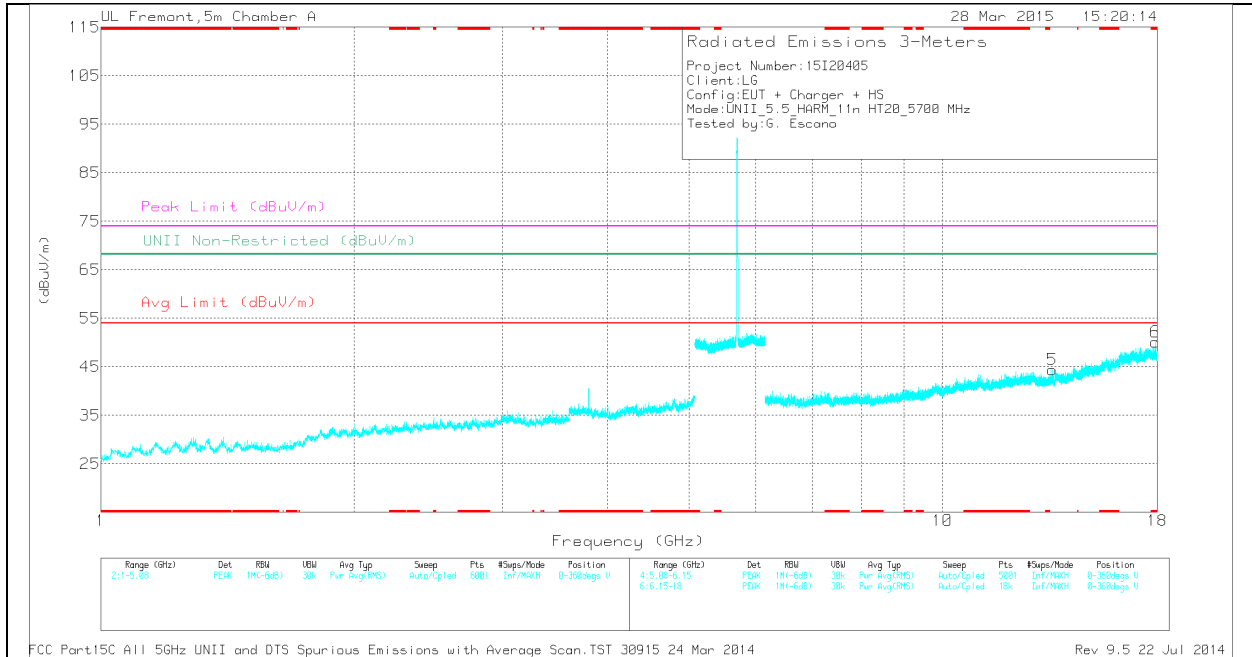
AD1 - KDB789033 Method: AD Primary Power Average

**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.

**MID 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	* 3.8	37.64	PK	33.4	-29.4	0	41.64	-	-	74	-32.36	-	-	0-360	201	H
6	* 17.9	26.57	PK	41.6	-18.1	0	50.07	-	-	74	-23.93	-	-	0-360	100	V
2	9.781	27.96	PK	36.9	-22.7	0	42.16	-	-	-	-	68.2	-26.04	0-360	201	H
5	13.494	26.46	PK	39.1	-21.1	0	44.46	-	-	-	-	68.2	-23.74	0-360	100	V
3	15.227	26.32	PK	39.9	-19.9	0	46.32	-	-	-	-	68.2	-21.88	0-360	201	H
4	16.837	25.59	PK	41.7	-18.3	0	48.99	-	-	-	-	68.2	-19.21	0-360	100	H

\* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

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
* 3.8	43.41	PK1	33.4	-29.4	0	47.41	-	-	74	-26.59	-	-	331	226	H
* 3.8	35.84	AD1	33.4	-29.4	.22	40.06	54	-13.94	-	-	-	-	331	226	H
* 17.9	33.99	PK1	41.6	-18.1	0	57.49	-	-	74	-16.51	-	-	129	201	V
* 17.9	21.19	AD1	41.6	-18.1	.22	44.91	54	-9.09	-	-	-	-	129	201	V

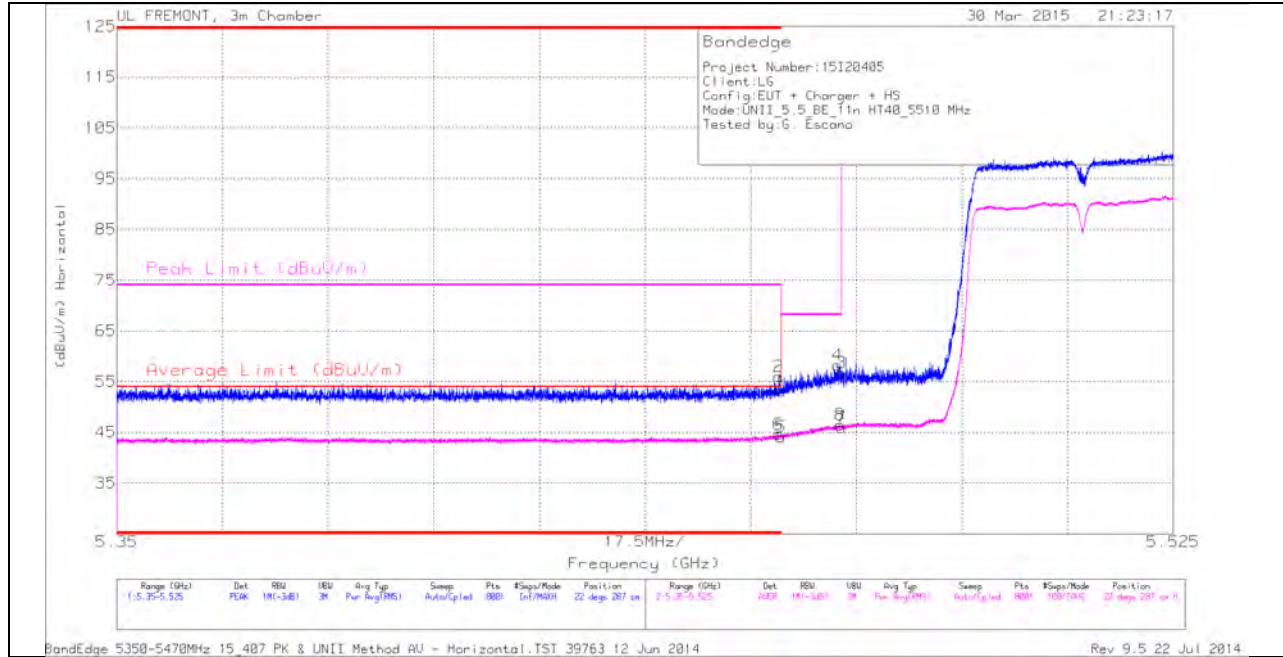
\* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

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

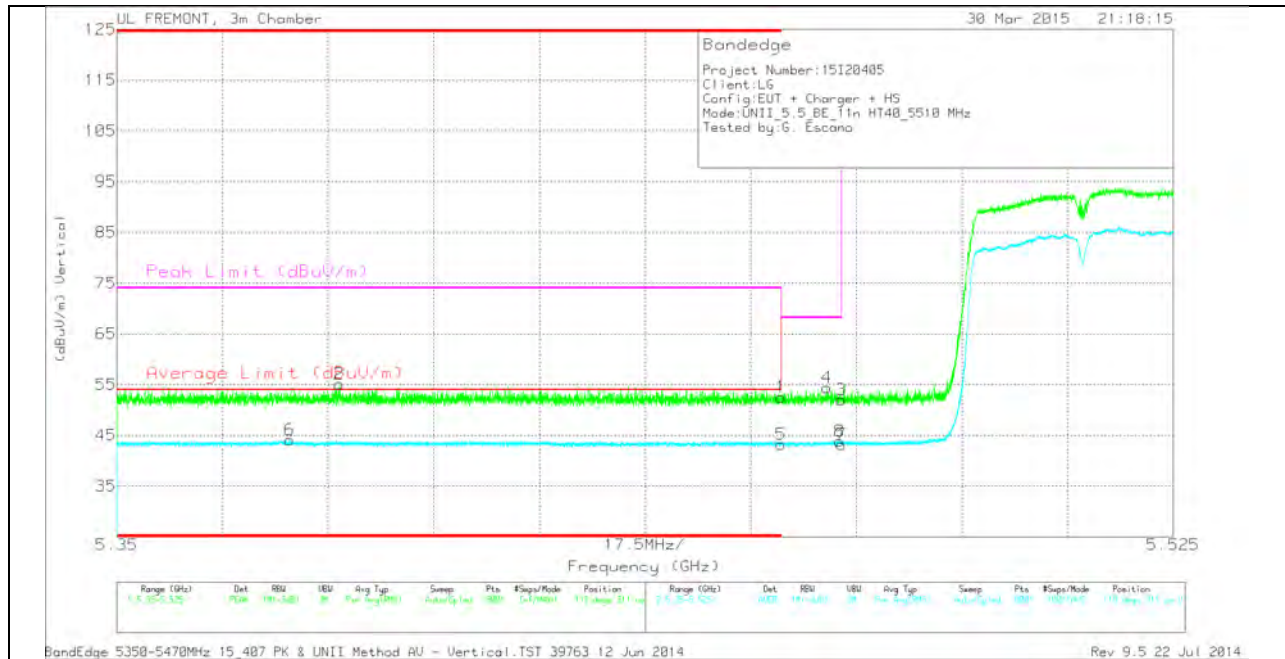
#### HORIZONTAL PEAK AND AVERAGE PLOT



#### HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/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	39.99	PK	34.6	-21.4	0	53.19	-	-	74	-20.81	22	287	H
2	* 5.46	42.77	PK	34.6	-21.4	0	55.97	-	-	74	-18.03	22	287	H
5	* 5.46	30.4	RMS	34.6	-21.4	.46	44.06	54	-9.94	-	-	22	287	H
6	* 5.46	30.89	RMS	34.6	-21.4	.46	44.55	54	-9.45	-	-	22	287	H
4	5.469	44.96	PK	34.6	-21.3	0	58.26	-	-	68.2	-9.94	22	287	H
3	5.47	43.4	PK	34.6	-21.3	0	56.7	-	-	68.2	-11.5	22	287	H
7	5.47	32.15	RMS	34.6	-21.3	.46	45.91	-	-	-	-	22	287	H
8	5.47	32.74	RMS	34.6	-21.3	.46	46.5	-	-	-	-	22	287	H

**VERTICAL PEAK AND AVERAGE PLOT**

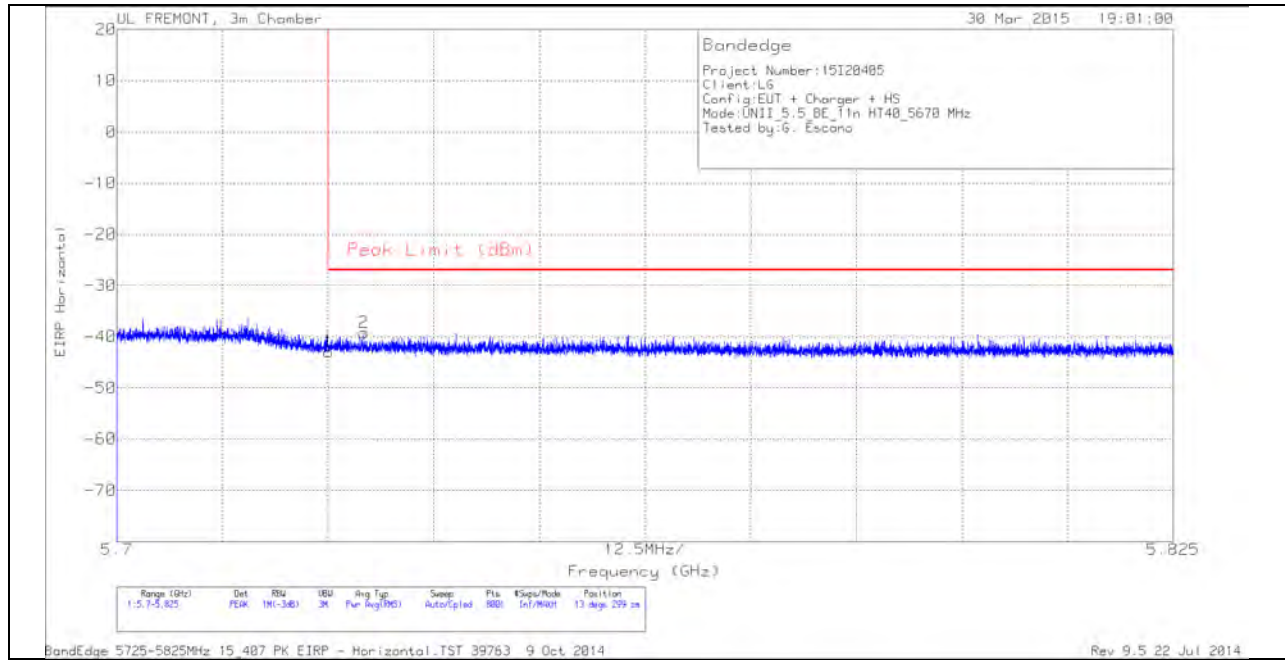


**VERTICAL DATA**

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
6	* 5.379	30.32	RMS	34.6	-21.3	.46	44.08	54	-9.92	-	-	118	311	V
2	* 5.387	41.95	PK	34.6	-21.4	0	55.15	-	-	74	-18.85	118	311	V
1	* 5.46	39.33	PK	34.6	-21.4	0	52.53	-	-	74	-21.47	118	311	V
5	* 5.46	29.6	RMS	34.6	-21.4	.46	43.26	54	-10.74	-	-	118	311	V
4	5.468	41.07	PK	34.6	-21.3	0	54.37	-	-	68.2	-13.83	118	311	V
3	5.47	38.7	PK	34.6	-21.3	0	52	-	-	68.2	-16.2	118	311	V
7	5.47	29.41	RMS	34.6	-21.3	.46	43.17	-	-	-	-	118	311	V
8	5.47	30.12	RMS	34.6	-21.3	.46	43.88	-	-	-	-	118	311	V

### AUTHORIZED BANDEGE (HIGH CHANNEL)

#### HORIZONTAL PEAK PLOT

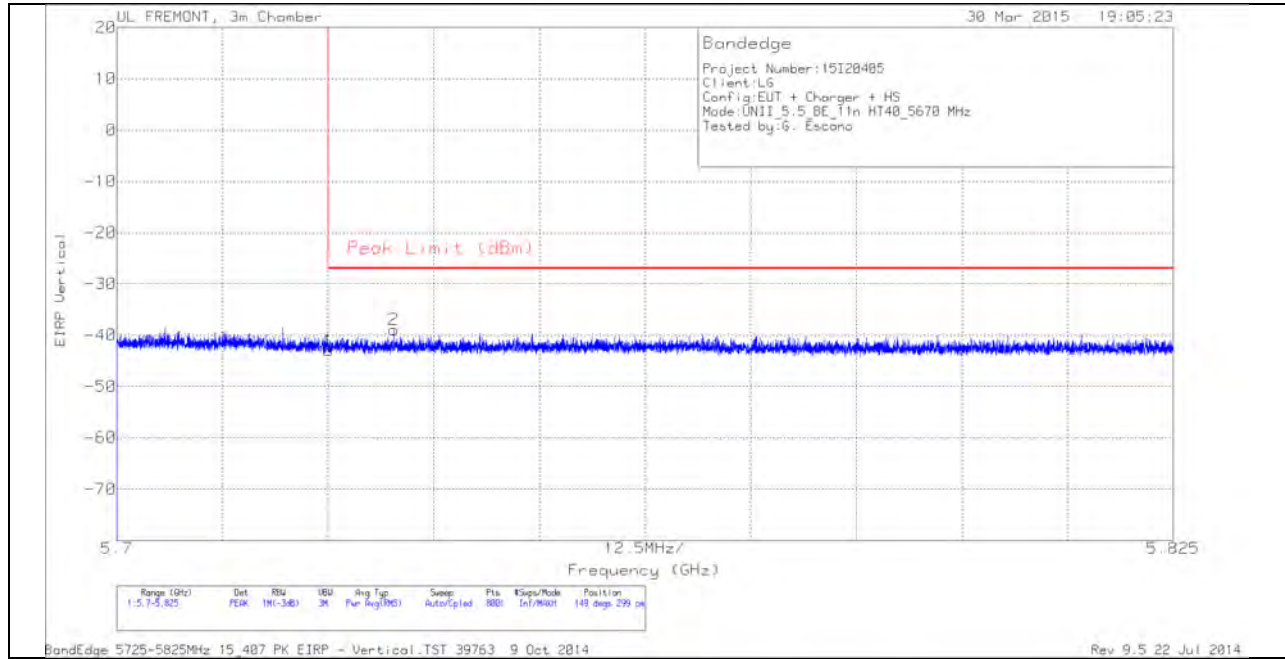


#### HORIZONTAL DATA

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
1	5.725	-68.5	PK	34.8	-21.1	11.8	-43	-27	-16	13	299	H
2	5.729	-64.72	PK	34.8	-21.1	11.8	-39.22	-27	-12.22	13	299	H



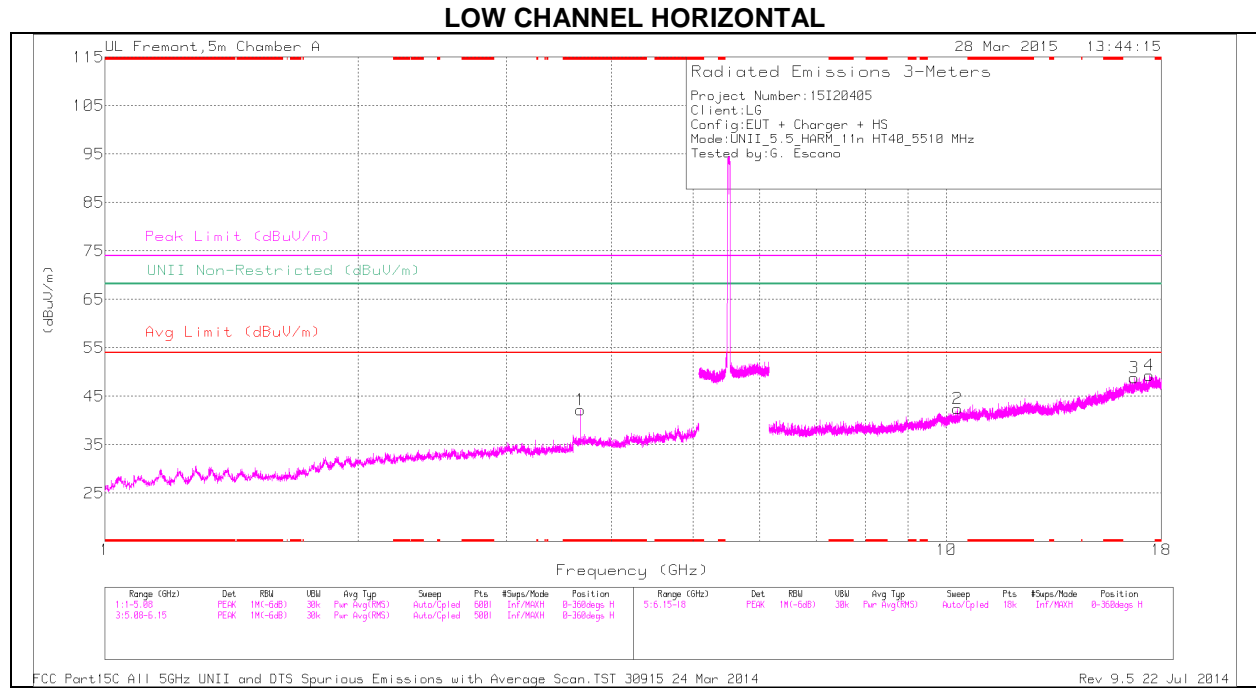
**VERTICAL PEAK PLOT**



**VERTICAL DATA**

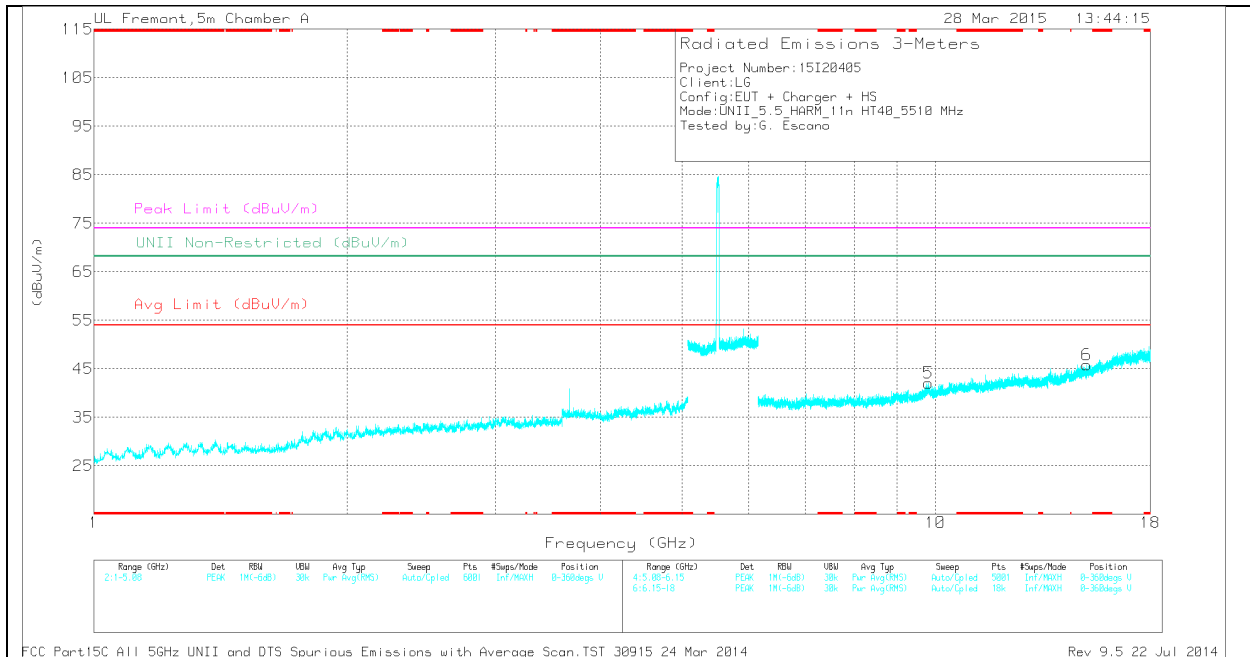
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-68.42	PK	34.8	-21.1	11.8	-42.92	-27	-15.92	149	299	V
2	5.733	-64.38	PK	34.8	-21.1	11.8	-38.88	-27	-11.88	149	299	V

### HARMONICS AND SPURIOUS EMISSIONS



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)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.673	39.21	PK	33.2	-30.2	0	42.21	-	-	74	-31.79	-	-	0-360	201	H
5	9.806	27.52	PK	37	-22.5	0	42.02	-	-	-	-	68.2	-26.18	0-360	201	V
2	10.306	27.99	PK	37.3	-22.8	0	42.49	-	-	-	-	68.2	-25.71	0-360	201	H
6	15.129	26.6	PK	39.9	-20.7	0	45.8	-	-	-	-	68.2	-22.4	0-360	201	V
3	16.722	26.41	PK	41.8	-19.4	0	48.81	-	-	-	-	68.2	-19.39	0-360	201	H
4	17.429	26.29	PK	41.4	-18.4	0	49.29	-	-	-	-	68.2	-18.91	0-360	201	H

\* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK - Peak detector

**Radiated Emissions**

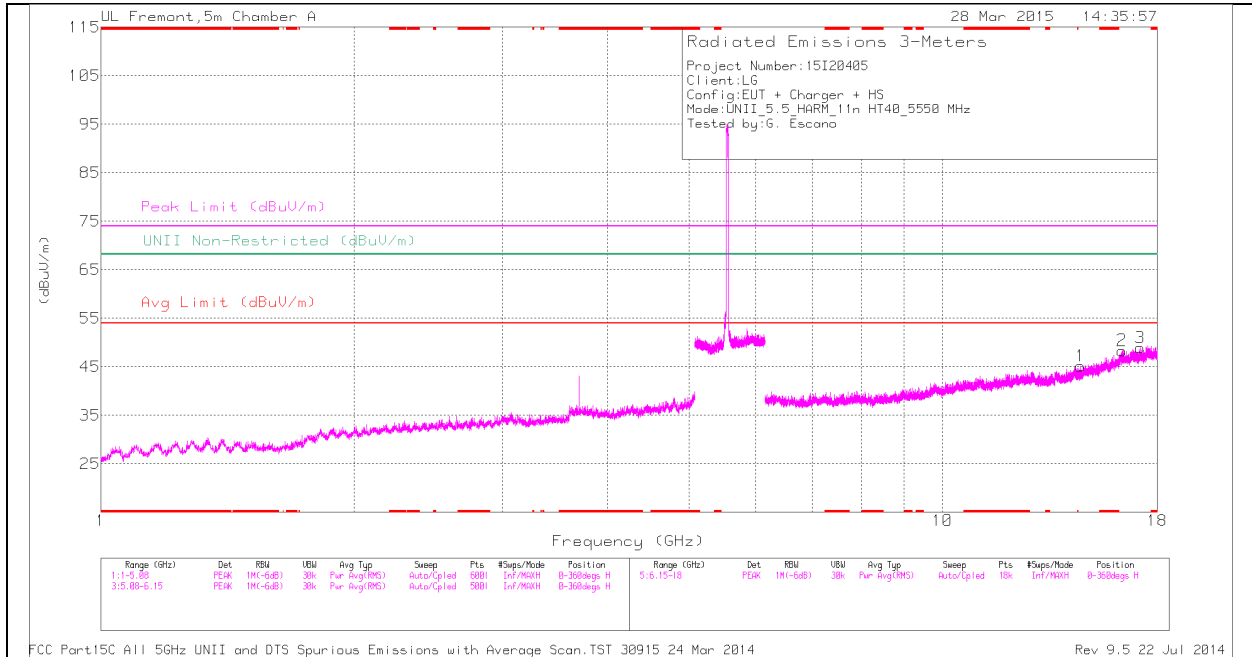
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.673	44.69	PK1	33.2	-30.2	0	47.69	-	-	74	-26.31	-	-	223	201	H
* 3.673	37.79	AD1	33.2	-30.2	.46	41.25	54	-12.75	-	-	-	-	223	201	H

\* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK1 - KDB789033 Method: Peak

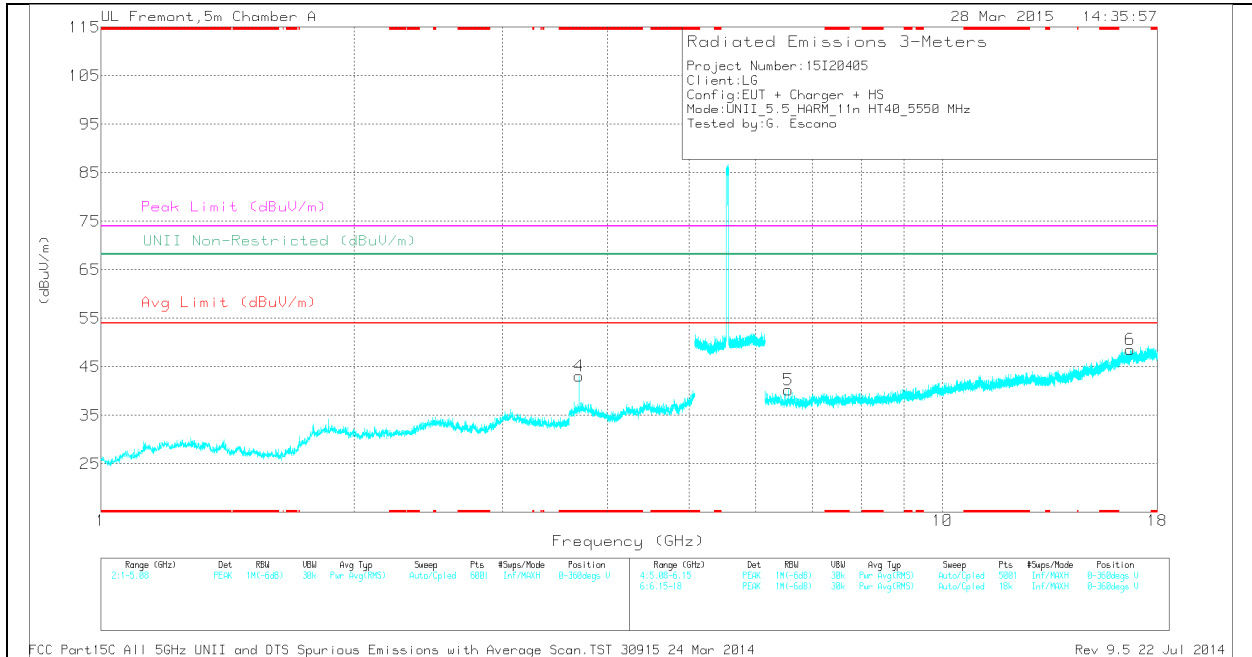
AD1 - KDB789033 Method: AD Primary Power Average

**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)	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	* 3.7	39.89	PK	33.2	-30	0	43.09	-	-	74	-30.91	-	-	0-360	201	V
5	6.561	30.89	PK	35.6	-26.2	0	40.29	-	-	-	-	68.2	-27.91	0-360	100	V
1	14.579	27.53	PK	39.4	-21.7	0	45.23	-	-	-	-	68.2	-22.97	0-360	201	H
2	16.349	25.86	PK	41.3	-18.8	0	48.36	-	-	-	-	68.2	-19.84	0-360	100	H
6	16.708	26.27	PK	41.8	-19.5	0	48.57	-	-	-	-	68.2	-19.63	0-360	201	V
3	17.169	25.83	PK	41.4	-18.3	0	48.93	-	-	-	-	68.2	-19.27	0-360	100	H

\* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK - Peak detector

**Radiated Emissions**

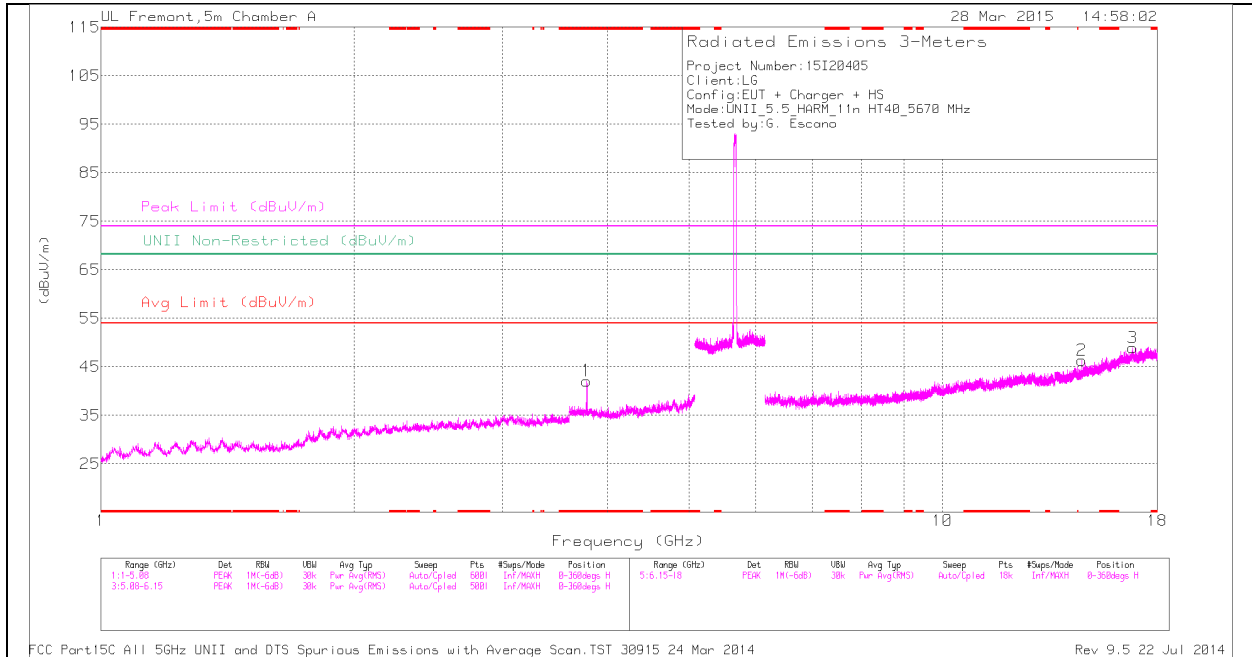
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.7	45.57	PK1	33.2	-30	0	48.77	-	-	74	-25.23	-	-	0	268	V
* 3.7	39.88	AD1	33.2	-30	.46	43.54	54	-10.46	-	-	-	-	0	268	V

\* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

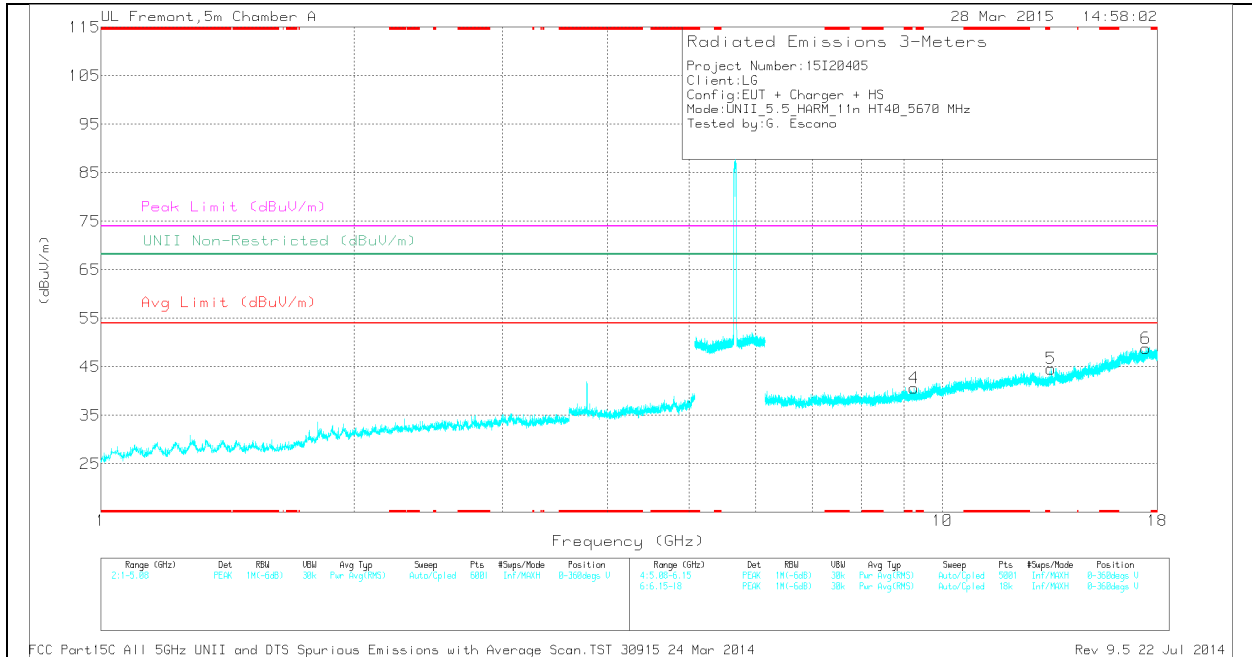
**HIGH CHANNEL HORIZONTAL**



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	* 3.78	38.43	PK	33.4	-29.7	0	42.13	-	-	74	-31.87	-	-	0-360	201	H
4	9.253	28.01	PK	36.4	-23.8	0	40.61	-	-	-	-	68.2	-27.59	0-360	201	V
5	13.457	26.7	PK	39.1	-21.2	0	44.6	-	-	-	-	68.2	-23.6	0-360	201	V
2	14.636	28.4	PK	39.5	-21.6	0	46.3	-	-	-	-	68.2	-21.9	0-360	201	H
3	16.84	25.63	PK	41.7	-18.4	0	48.93	-	-	-	-	68.2	-19.27	0-360	201	H
6	17.443	25.58	PK	41.5	-18.3	0	48.78	-	-	-	-	68.2	-19.42	0-360	201	V

\* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

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
* 3.78	44.25	PK1	33.4	-29.7	0	47.95	-	-	74	-26.05	-	-	329	301	H
* 3.78	37.05	AD1	33.4	-29.7	.46	41.21	54	-12.79	-	-	-	-	329	301	H

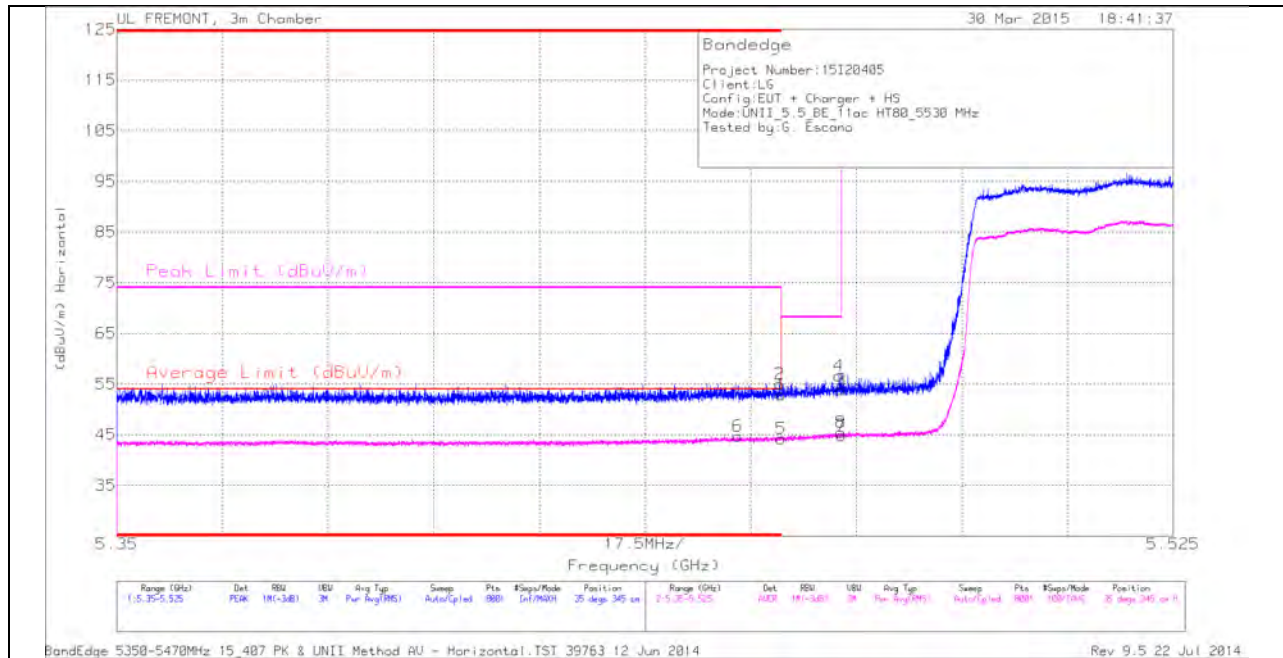
\* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

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

**HORIZONTAL PEAK AND AVERAGE PLOT**



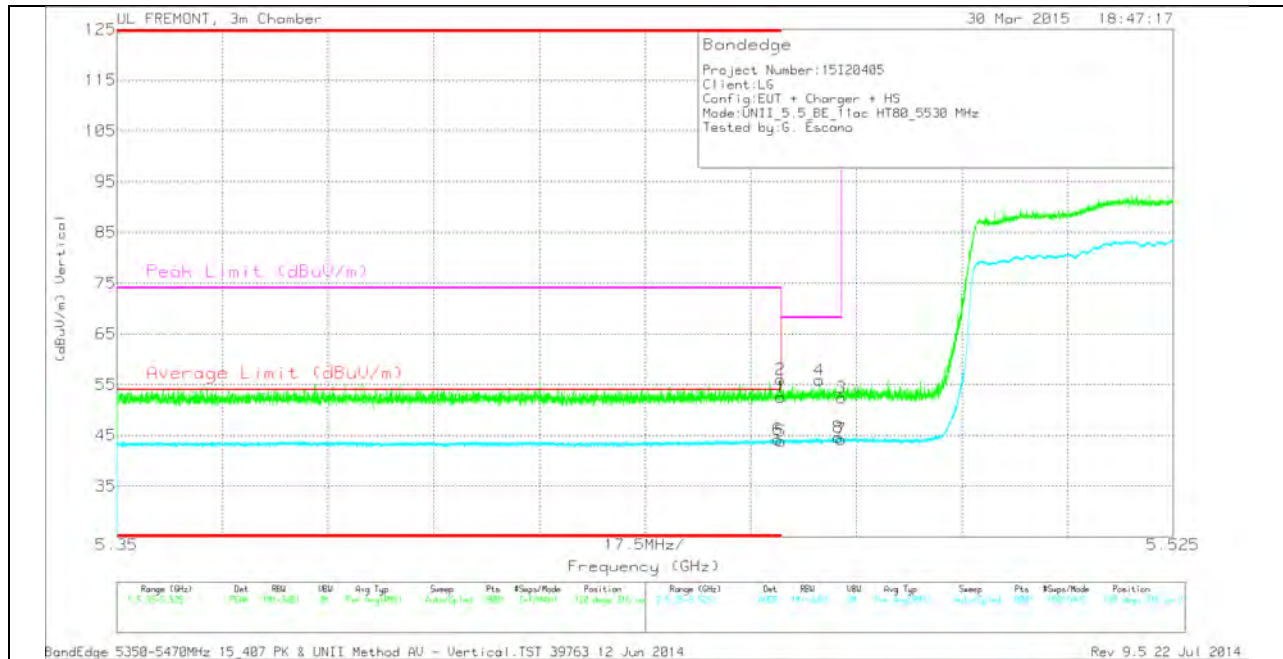
**HORIZONTAL DATA**

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
6	* 5.453	31.15	RMS	34.6	-21.4	.36	44.71	54	-9.29	-	-	35	345	H
1	* 5.46	39.73	PK	34.6	-21.4	0	52.93	-	-	74	-21.07	35	345	H
2	* 5.46	41.85	PK	34.6	-21.4	0	55.05	-	-	74	-18.95	35	345	H
5	* 5.46	30.69	RMS	34.6	-21.4	.36	44.25	54	-9.75	-	-	35	345	H
3	5.47	40.55	PK	34.6	-21.3	0	53.85	-	-	68.2	-14.35	35	345	H
4	5.47	43.28	PK	34.6	-21.3	0	56.58	-	-	68.2	-11.62	35	345	H
7	5.47	31.15	RMS	34.6	-21.3	.36	44.81	-	-	-	-	35	345	H
8	5.47	31.75	RMS	34.6	-21.3	.36	45.41	-	-	-	-	35	345	H

PK - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE PLOT**

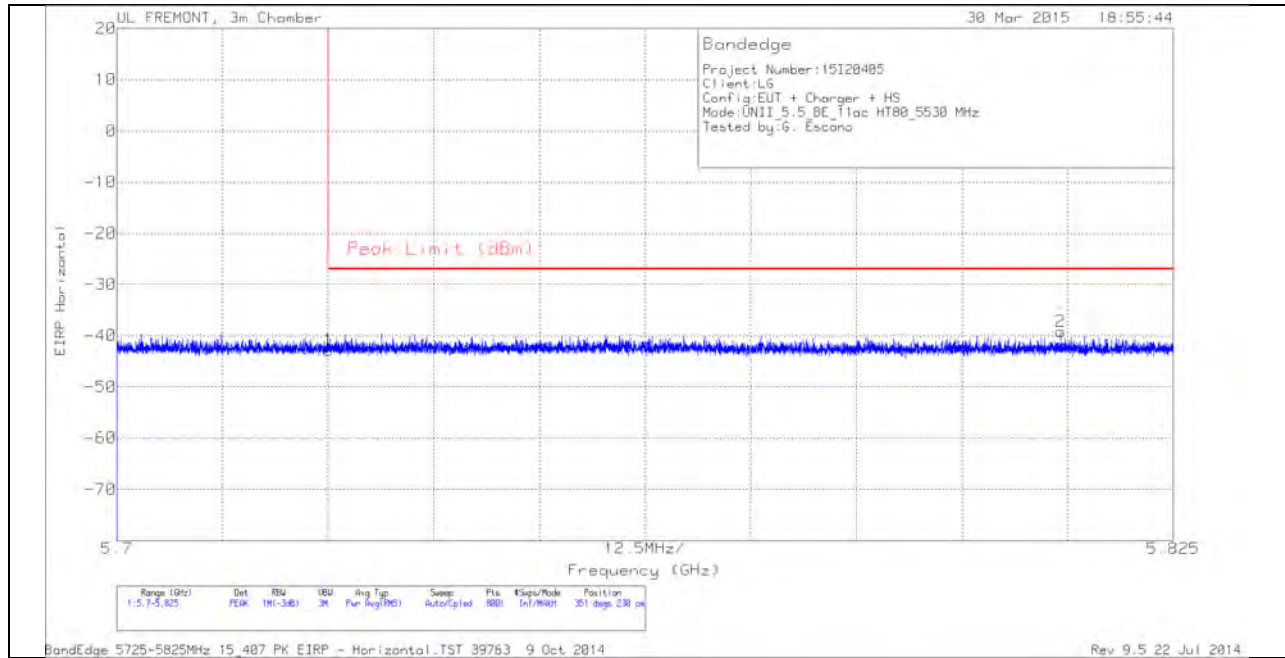


**VERTICAL DATA**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/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
6	* 5.459	30.66	RMS	34.6	-21.4	.36	44.22	54	-9.78	-	-	120	316	V
1	* 5.46	39.28	PK	34.6	-21.4	0	52.48	-	-	74	-21.52	120	316	V
2	* 5.46	42.76	PK	34.6	-21.4	0	55.96	-	-	74	-18.04	120	316	V
5	* 5.46	30.25	RMS	34.6	-21.4	.36	43.81	54	-10.19	-	-	120	316	V
4	5.466	42.55	PK	34.6	-21.3	0	55.85	-	-	68.2	-12.35	120	316	V
3	5.47	39.09	PK	34.6	-21.3	0	52.39	-	-	68.2	-15.81	120	316	V
7	5.47	30.59	RMS	34.6	-21.3	.36	44.25	-	-	-	-	120	316	V
8	5.47	30.88	RMS	34.6	-21.3	.36	44.54	-	-	-	-	120	316	V

### AUTHORIZED BANDEGE

#### HORIZONTAL PEAK PLOT

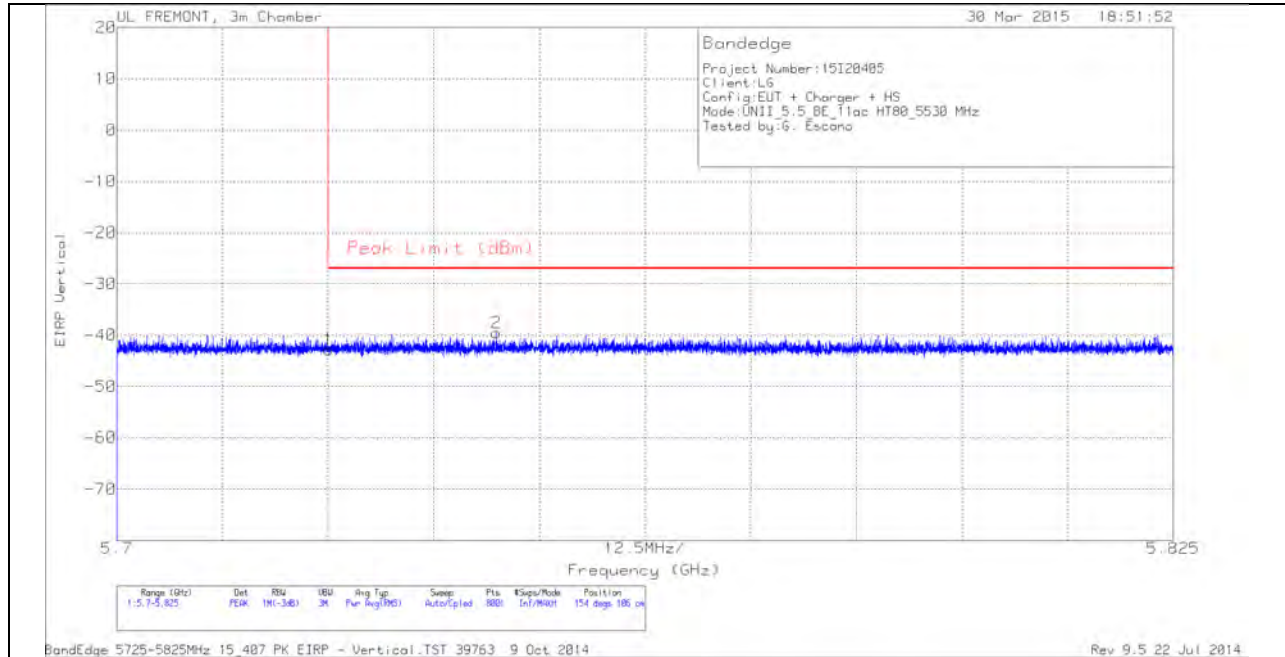


#### HORIZONTAL DATA

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
1	5.725	-68.34	PK	34.8	-21.1	11.8	-42.84	-27	-15.84	351	230	H
2	5.812	-64.57	PK	34.9	-21.3	11.8	-39.17	-27	-12.17	351	230	H

PK - Peak detector

**VERTICAL PEAK PLOT**

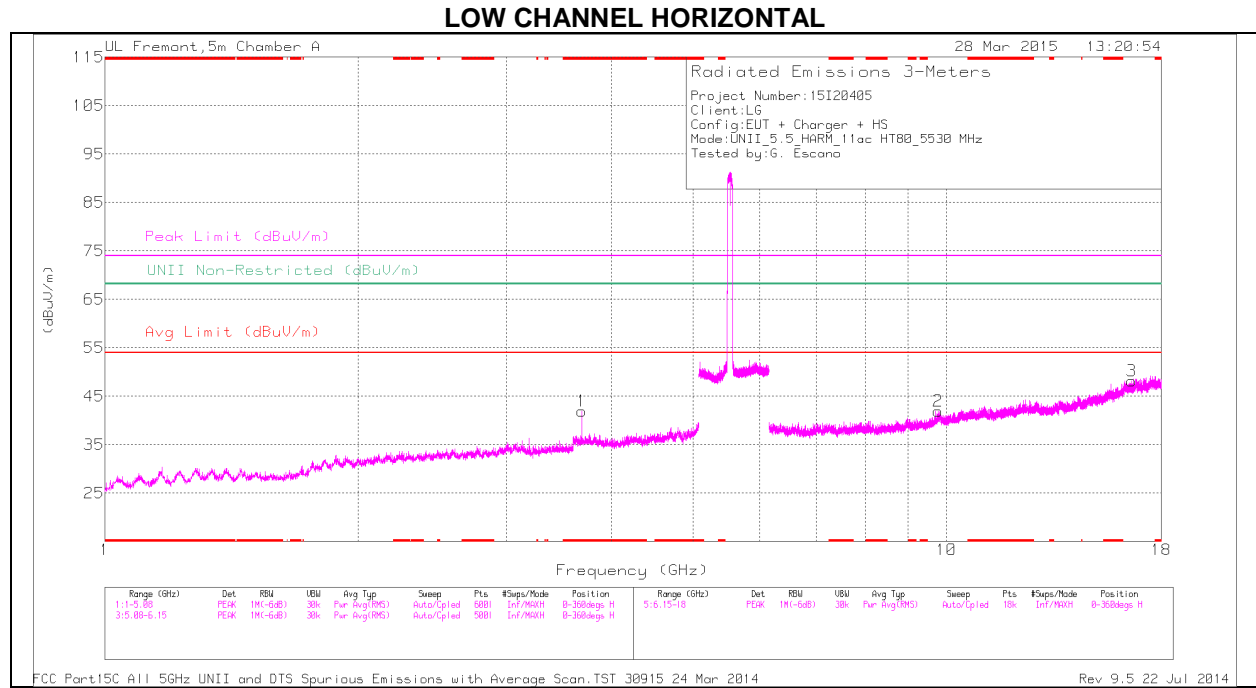


**VERTICAL DATA**

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
1	5.725	-68.39	PK	34.8	-21.1	11.8	-42.89	-27	-15.89	154	106	V
2	5.745	-64.92	PK	34.8	-21.2	11.8	-39.52	-27	-12.52	154	106	V

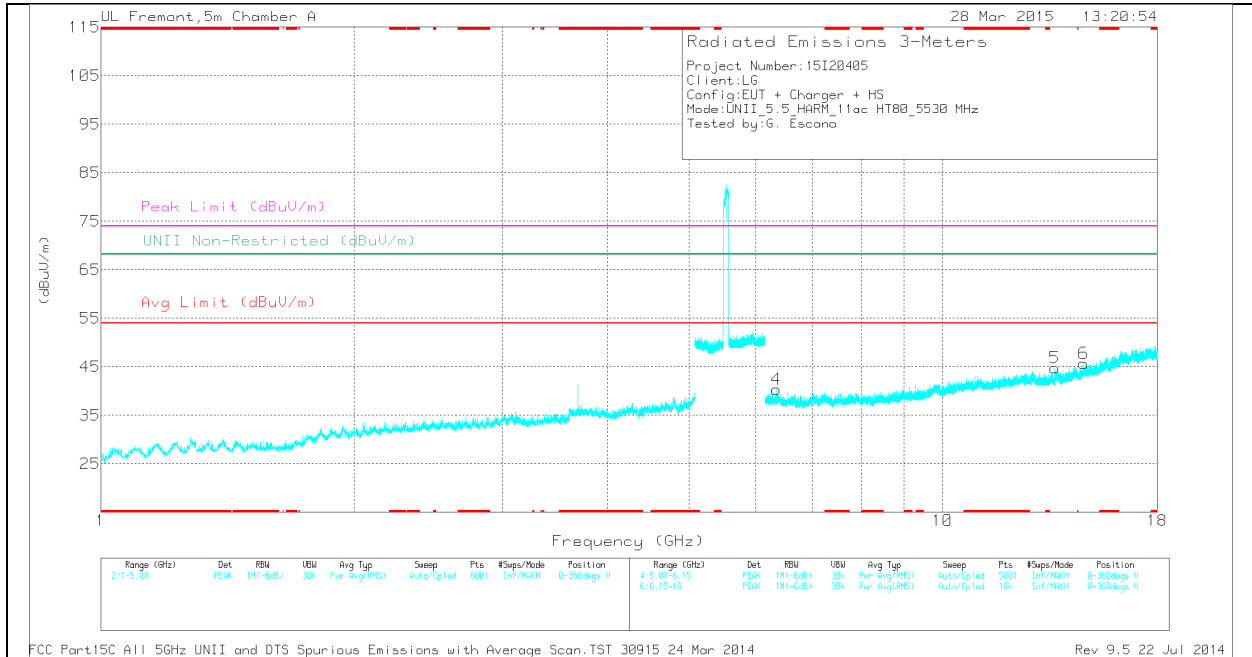
PK - Peak detector

### HARMONICS AND SPURIOUS EMISSIONS



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)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.687	38.88	PK	33.2	-30.1	0	41.98	-	-	74	-32.02	-	-	0-360	201	H
4	6.344	31.33	PK	35.5	-26.5	0	40.33	-	-	-	-	68.2	-27.87	0-360	100	V
2	9.766	27.91	PK	36.9	-22.9	0	41.91	-	-	-	-	68.2	-26.29	0-360	100	H
5	13.606	27.85	PK	38.9	-22	0	44.75	-	-	-	-	68.2	-23.45	0-360	100	V
6	14.712	27.25	PK	39.5	-21	0	45.75	-	-	-	-	68.2	-22.45	0-360	201	V
3	16.597	26.22	PK	41.5	-19.6	0	48.12	-	-	-	-	68.2	-20.08	0-360	100	H

\* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

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
* 3.687	44.45	PK1	33.2	-30.1	0	47.55	-	-	74	-26.45	-	-	192	199	H
* 3.687	37.18	AD1	33.2	-30.1	.36	40.64	54	-13.36	-	-	-	-	192	199	H

\* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

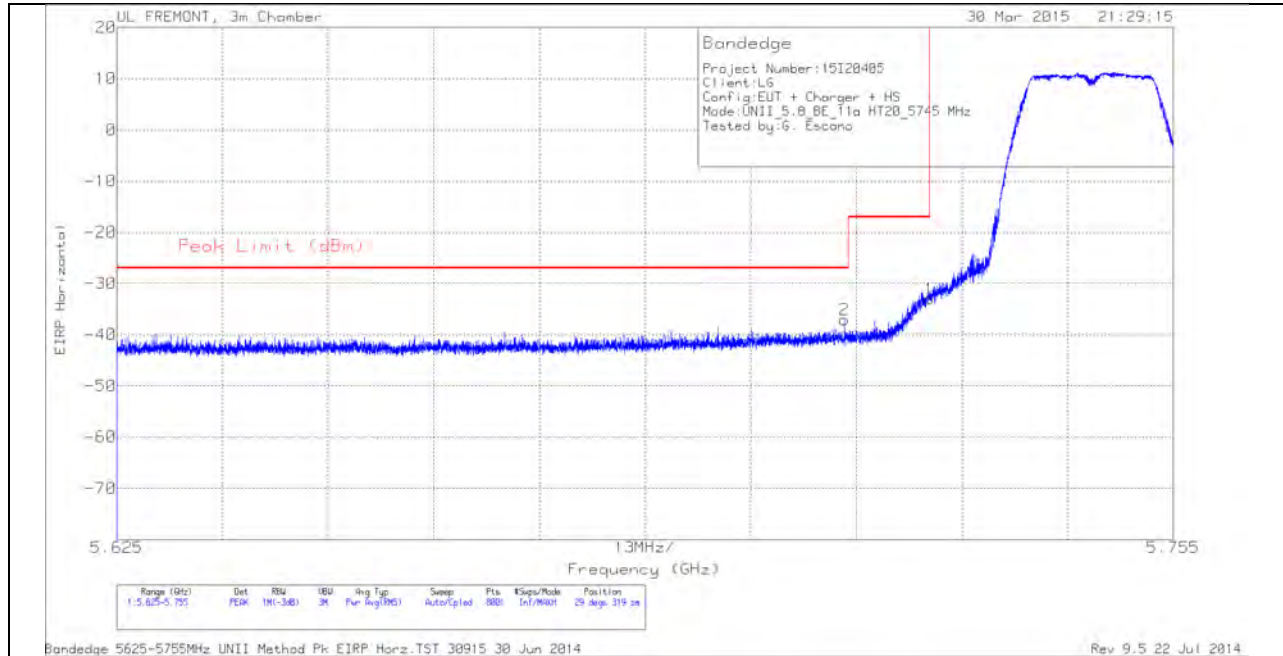
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

### 11.4. 5.8 GHz

#### 11.4.1. TX ABOVE 1 GHz 802.11a MODE IN THE 5.8 GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

**HORIZONTAL PEAK PLOT**

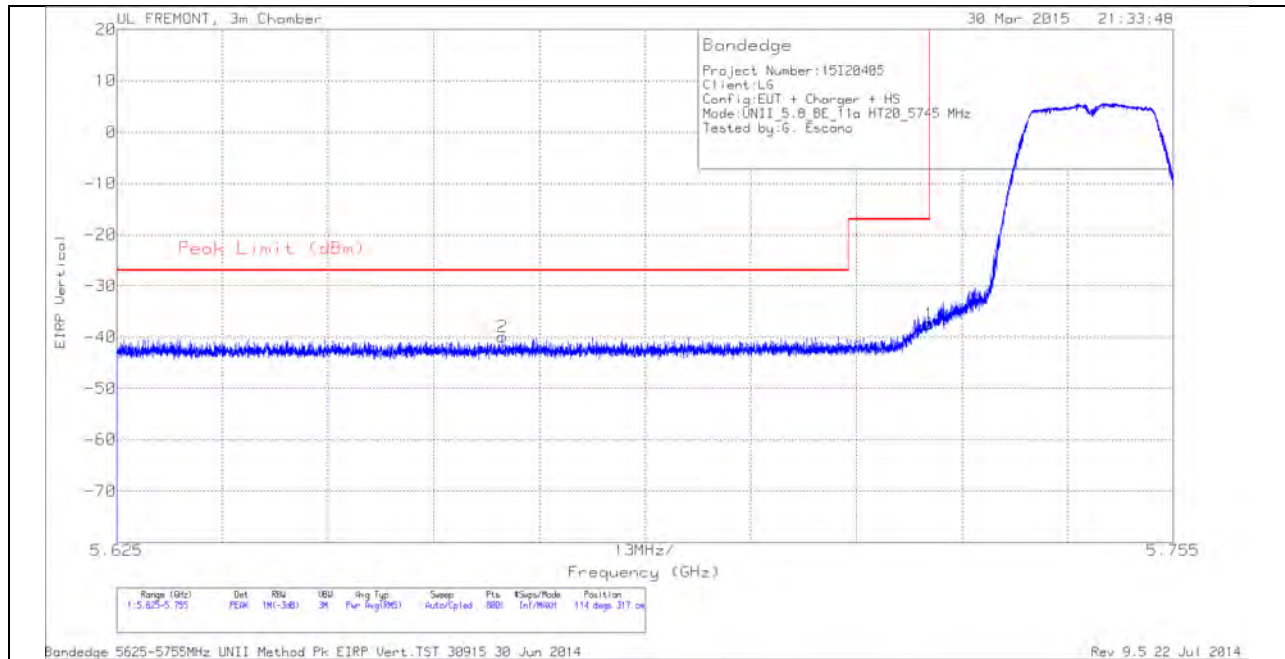


**HORIZONTAL DATA**

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	5.715	-62.62	PK	34.8	-21.1	11.8	-37.12	-27	-10.12	29	319	H
1	5.725	-58.57	PK	34.8	-21.1	11.8	-33.07	-17	-16.07	29	319	H

PK - Peak detector

**VERTICAL PEAK PLOT**



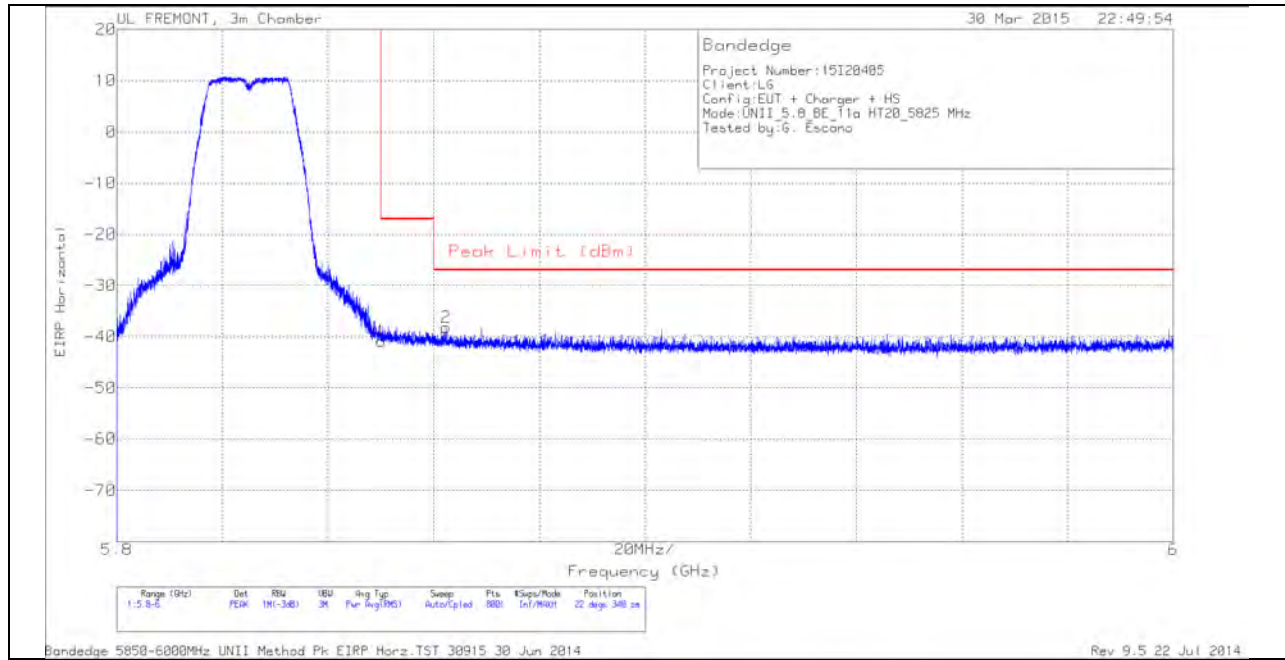
**VERTICAL DATA**

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	5.672	-65.43	PK	34.7	-21	11.8	-39.93	-27	-12.93	114	317	V
1	5.725	-62.97	PK	34.8	-21.1	11.8	-37.47	-17	-20.47	114	317	V

PK - Peak detector

### AUTHORIZED BANDEGE (HIGH CHANNEL)

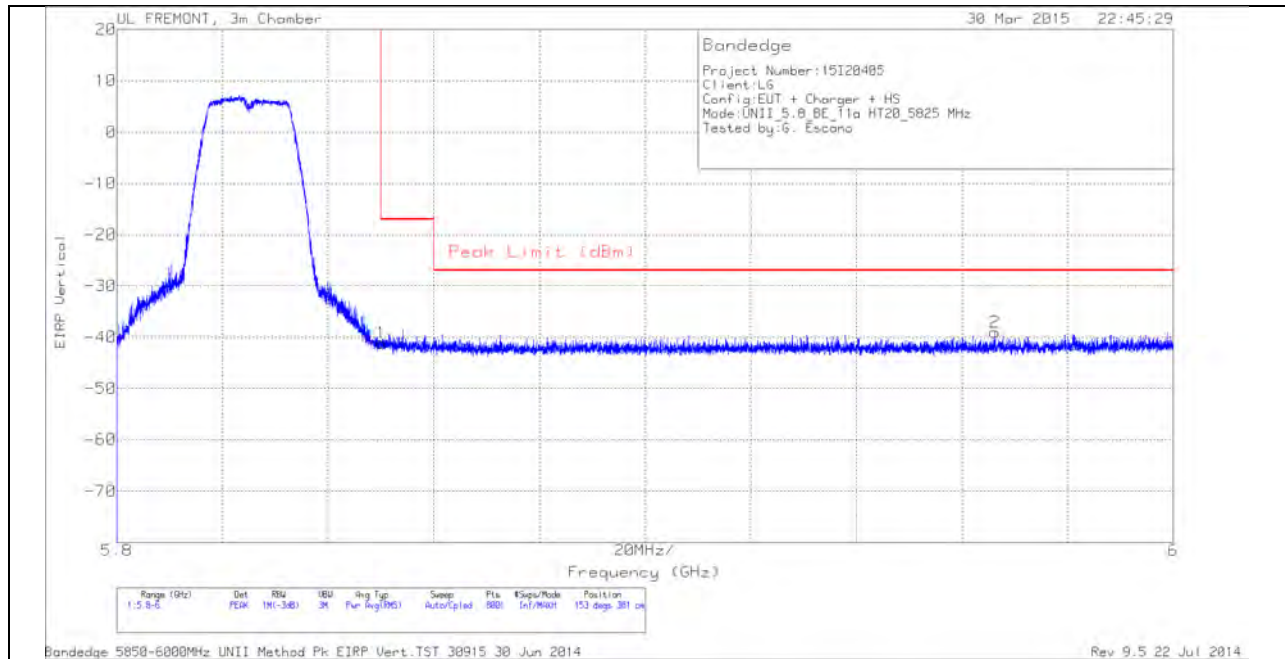
#### HORIZONTAL PEAK PLOT



#### 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
1	5.85	-66.27	PK	34.9	-21.3	11.8	-40.87	-17	-23.87	22	340	H
2	5.862	-63.56	PK	34.9	-21.3	11.8	-38.16	-27	-11.16	22	340	H

**VERTICAL PEAK PLOT**

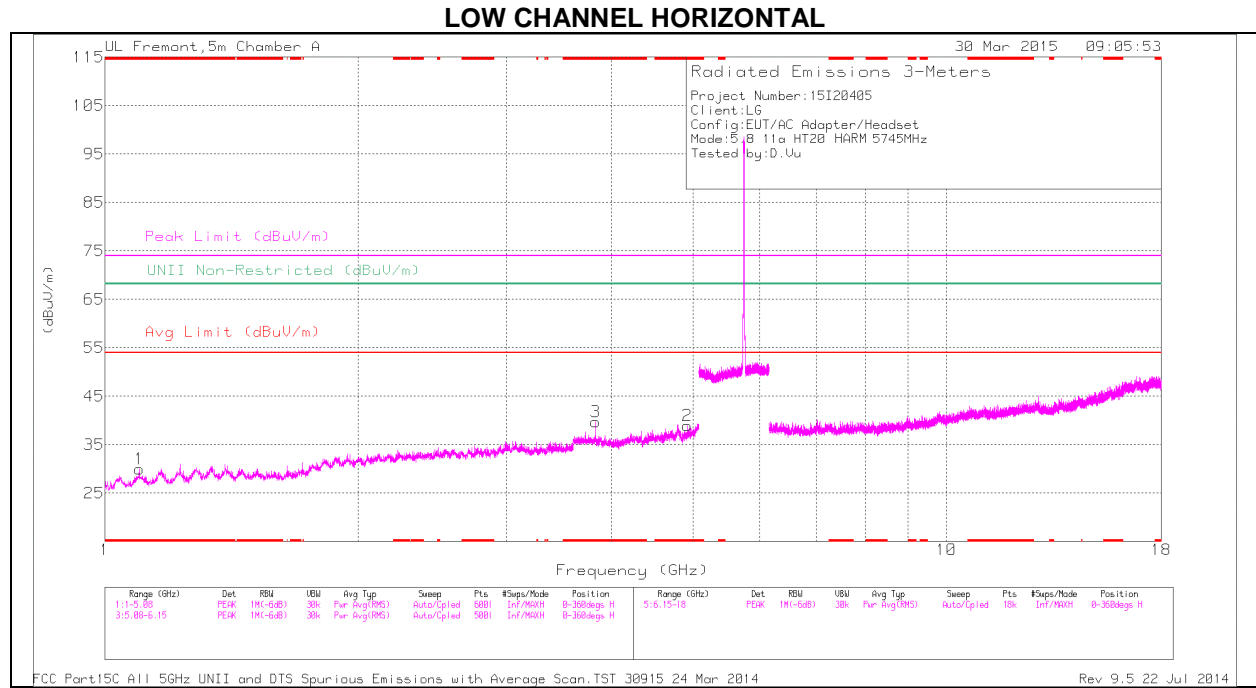


**VERTICAL DATA**

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	-66.54	PK	34.9	-21.3	11.8	-41.14	-17	-24.14	153	381	V
2	5.966	-65	PK	35.1	-20.9	11.8	-39	-27	-12	153	381	V

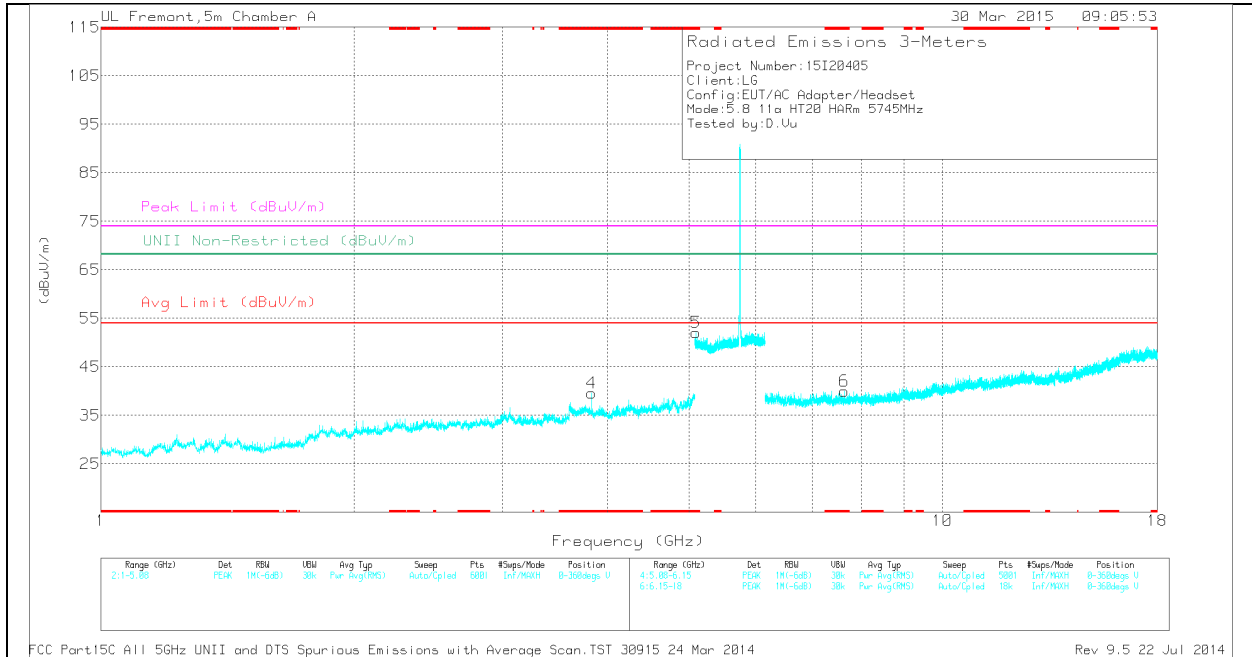
PK - Peak detector

### HARMONICS AND SPURIOUS EMISSIONS



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)	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	* 1.099	36.72	PK	27.2	-33.9	0	30.02	-	-	74	-43.98	-	-	0-360	100	H
2	* 4.925	33	PK	33.9	-27.9	0	39	-	-	74	-35	-	-	0-360	201	H
3	* 3.83	36.1	PK	33.4	-29.8	0	39.7	-	-	74	-34.3	-	-	0-360	201	H
4	* 3.83	35.95	PK	33.4	-29.8	0	39.55	-	-	74	-34.45	-	-	0-360	100	V
5	* 5.095	37.44	PK	34.1	-19.5	0	52.04	-	-	74	-21.96	-	-	0-360	201	V
6	* 7.643	30.19	PK	35.6	-25.8	0	39.99	-	-	74	-34.01	-	-	0-360	201	V

\* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

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
* 4.925	39.24	PK1	33.9	-27.9	0	45.24	-	-	74	-28.76	-	-	1	202	H
* 4.924	28.37	AD1	33.9	-27.9	.21	34.58	54	-19.42	-	-	-	-	1	202	H
* 5.095	43.65	PK1	34.1	-19.5	0	58.25	-	-	74	-15.75	-	-	1	202	V
* 5.095	32.6	AD1	34.1	-19.5	.21	47.41	54	-6.59	-	-	-	-	1	202	V

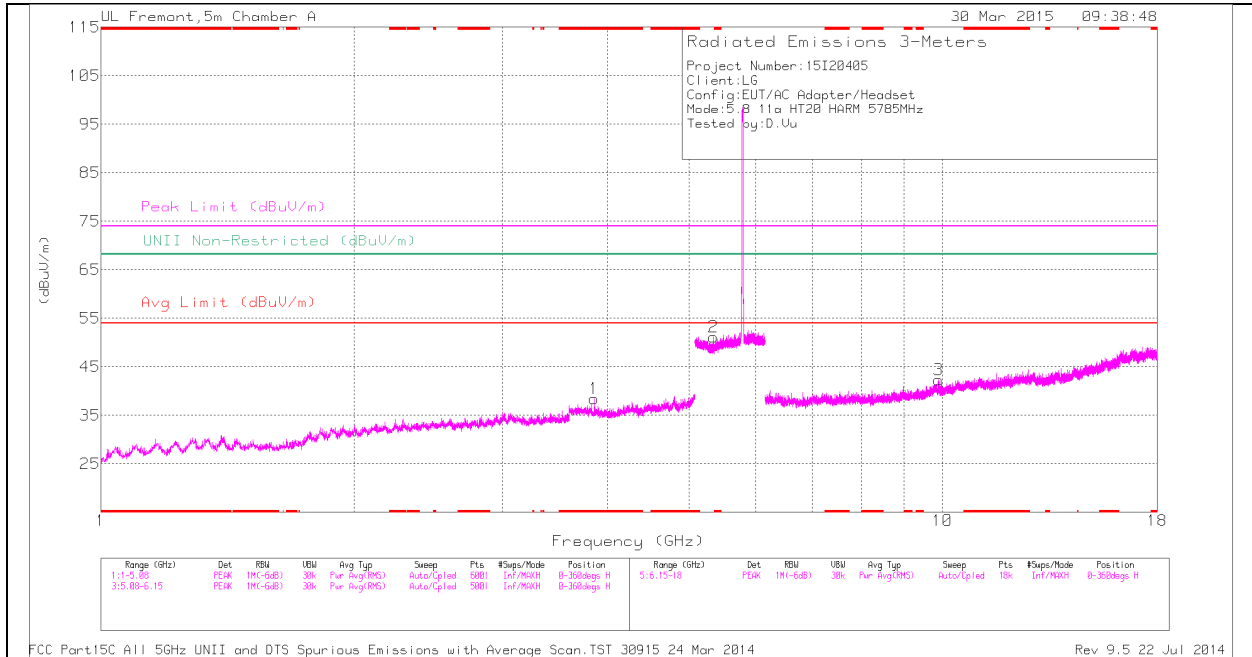
\* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

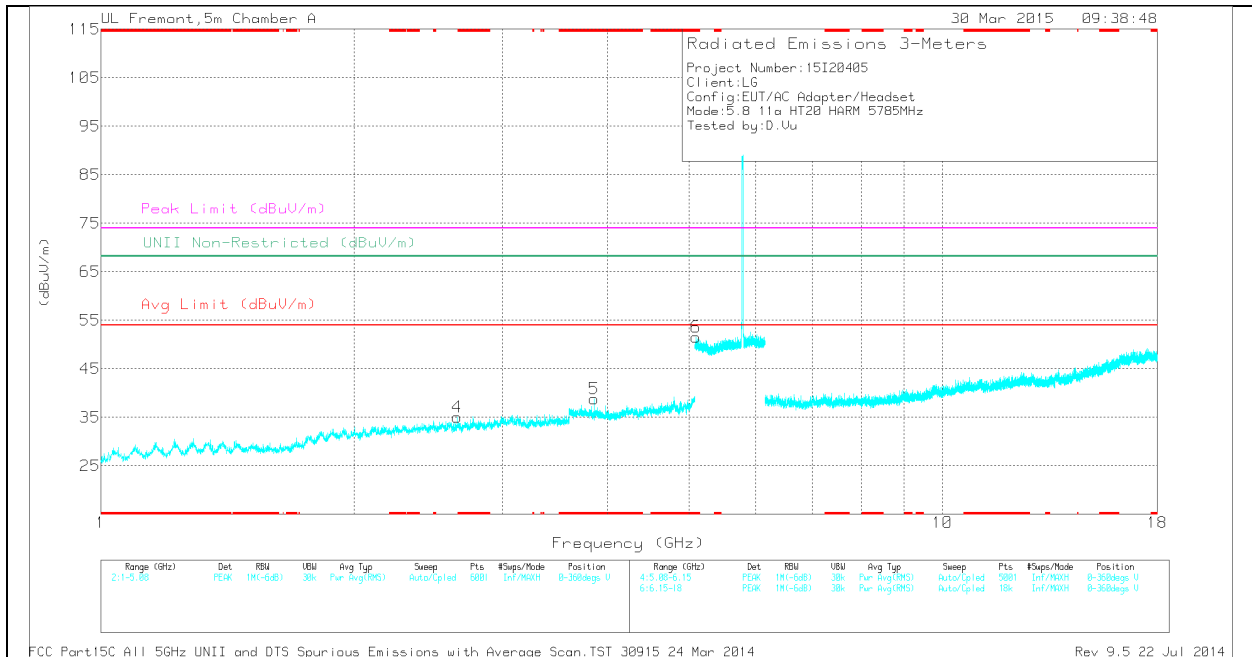


**MID CHANNEL HORIZONTAL**



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)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.857	35.04	PK	33.4	-30	0	38.44	-	-	74	-35.56	-	-	0-360	100	H
5	* 3.857	35.38	PK	33.4	-30	0	38.78	-	-	74	-35.22	-	-	0-360	100	V
6	* 5.094	36.99	PK	34.1	-19.5	0	51.59	-	-	74	-22.41	-	-	0-360	201	V
4	2.652	34.43	PK	32.2	-31.6	0	35.03	-	-	-	-	68.2	-33.17	0-360	100	V
2	5.342	35.77	PK	34.6	-19.2	0	51.17	-	-	-	-	68.2	-17.03	0-360	201	H
3	9.896	28.2	PK	37	-22.9	0	42.3	-	-	-	-	68.2	-25.9	0-360	100	H

\* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK - Peak detector

**Radiated Emissions**

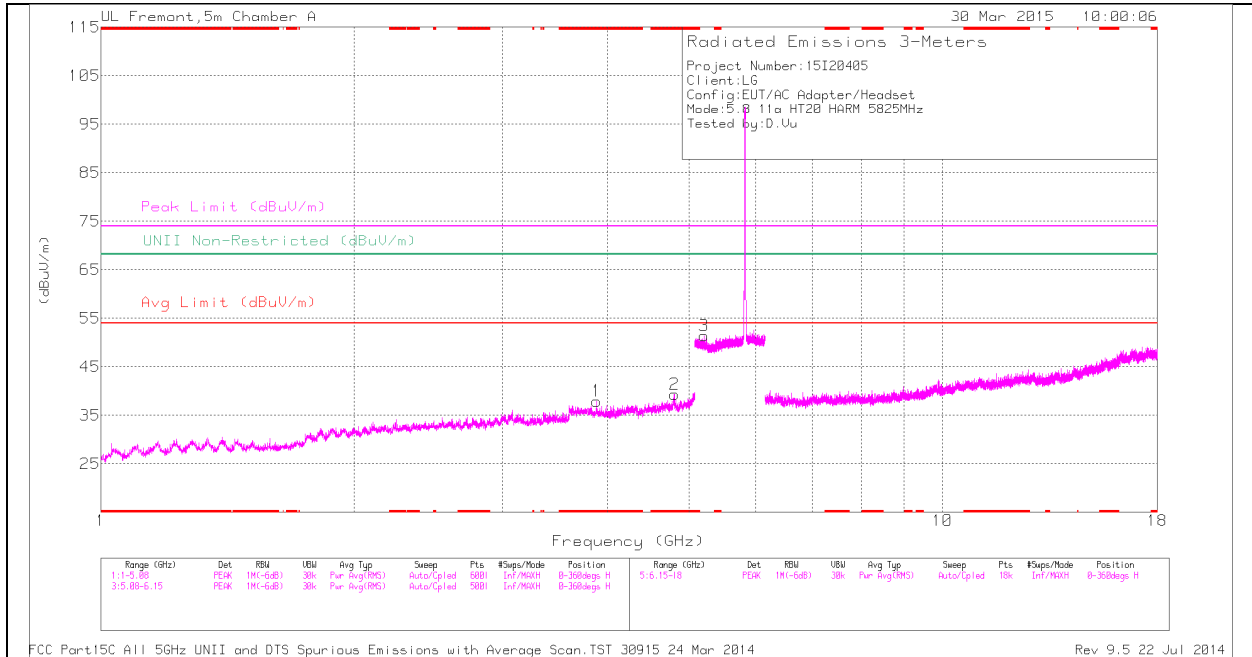
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.857	42.04	PK1	33.4	-30	0	45.44	-	-	74	-28.56	-	-	1	100	V
* 3.857	33.87	AD1	33.4	-30	.21	37.48	54	-16.52	-	-	-	-	1	100	H
* 5.093	43.54	PK1	34.1	-19.5	0	58.14	-	-	74	-15.86	-	-	1	202	V
* 5.095	32.52	AD1	34.1	-19.5	.21	47.33	54	-6.67	-	-	-	-	1	202	V
5.341	42.29	PK1	34.6	-19.2	0	57.69	-	-	-	-	68.2	-10.51	1	202	H
5.343	31.04	AD1	34.6	-19.2	.21	46.65	-	-	-	-	-	-	1	202	H

\* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK1 - KDB789033 Method: Peak

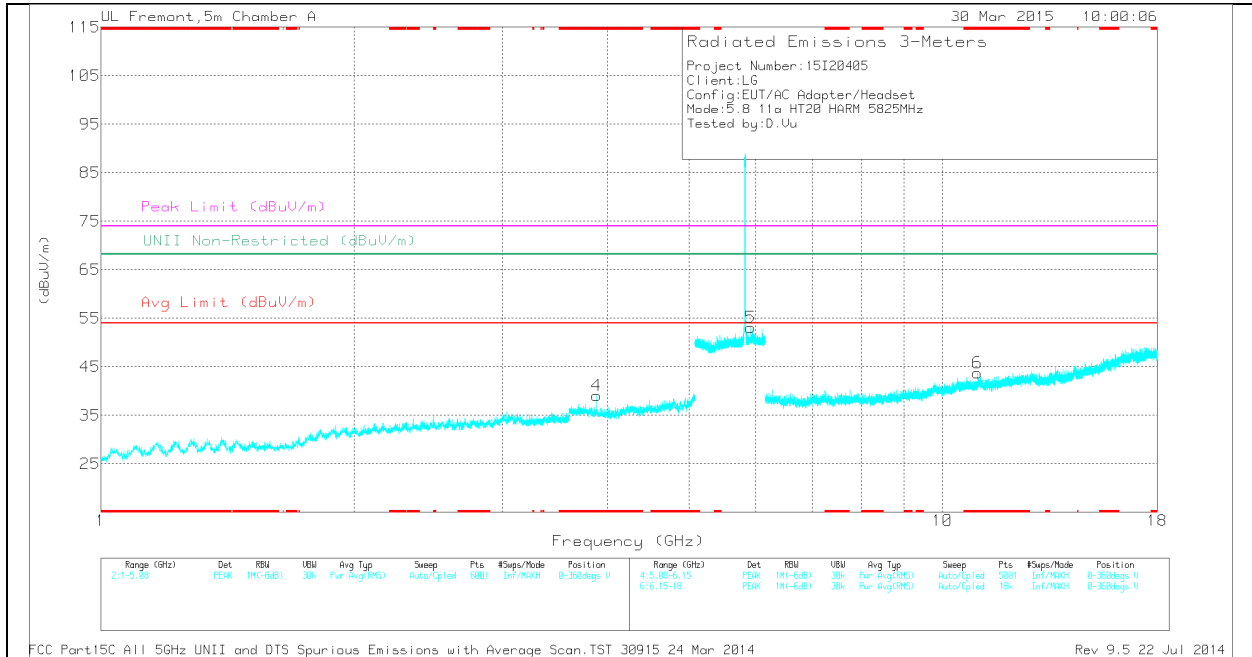
AD1 - KDB789033 Method: AD Primary Power Average

**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	* 3.883	34.37	PK	33.5	-29.9	0	37.97	-	-	74	-36.03	-	-	0-360	100	H
2	* 4.804	33.84	PK	34	-28.5	0	39.34	-	-	74	-34.66	-	-	0-360	100	H
4	* 3.883	35.5	PK	33.5	-29.9	0	39.1	-	-	74	-34.9	-	-	0-360	100	V
6	* 11.006	27.5	PK	37.9	-21.7	0	43.7	-	-	74	-30.3	-	-	0-360	201	V
3	5.213	36.11	PK	34.4	-19.1	0	51.41	-	-	-	-	68.2	-16.79	0-360	201	H
5	5.915	36.29	PK	35.2	-18.4	0	53.09	-	-	-	-	68.2	-15.11	0-360	100	V

\* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

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
* 4.804	40.76	PK1	34	-28.5	0	46.26	-	-	74	-27.74	-	-	1	100	H
* 4.802	29.57	AD1	34	-28.5	.21	35.28	54	-18.72	-	-	-	-	1	100	H
* 3.883	43.19	PK1	33.5	-29.9	0	46.79	-	-	74	-27.21	-	-	1	100	H
* 3.884	30.57	AD1	33.5	-29.9	.21	34.38	54	-19.62	-	-	-	-	1	100	H
5.914	31.36	AD1	35.2	-18.4	.21	48.37	-	-	-	-	-	-	1	100	H
5.915	42.32	PK1	35.2	-18.4	0	59.12	-	-	-	-	68.2	-9.08	1	100	V

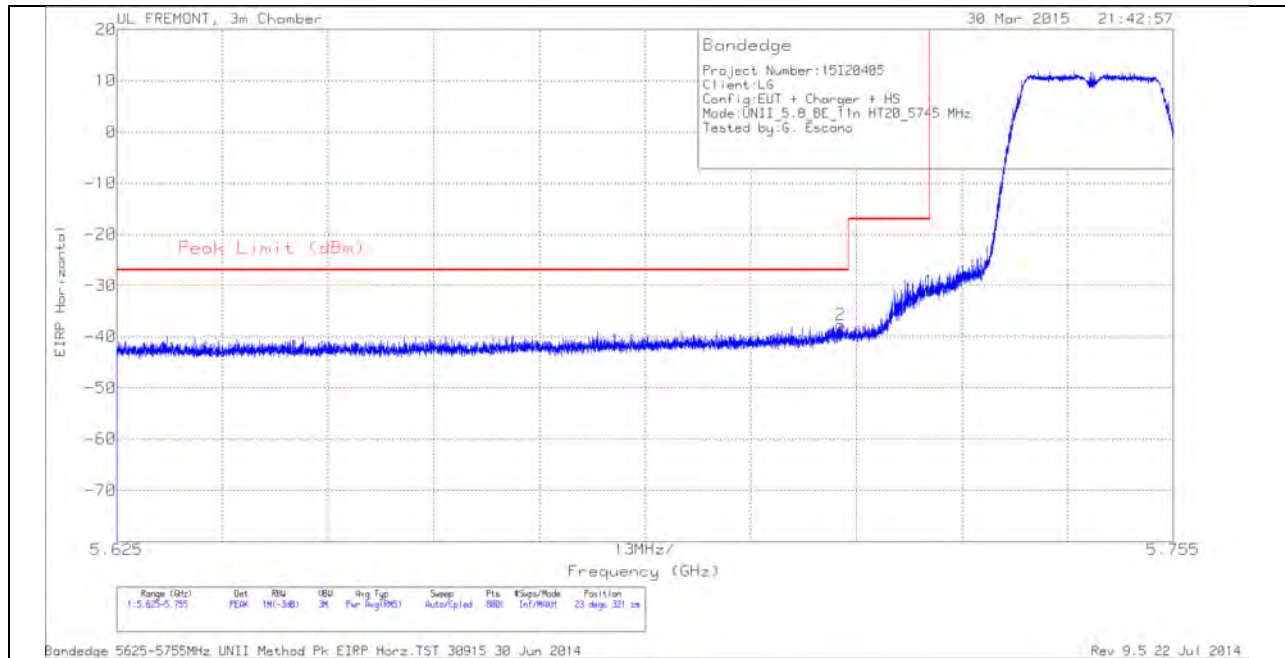
\* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

**11.4.2. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.8 GHz BAND  
 RESTRICTED BANDEDGE (LOW CHANNEL)**

**HORIZONTAL PEAK PLOT**

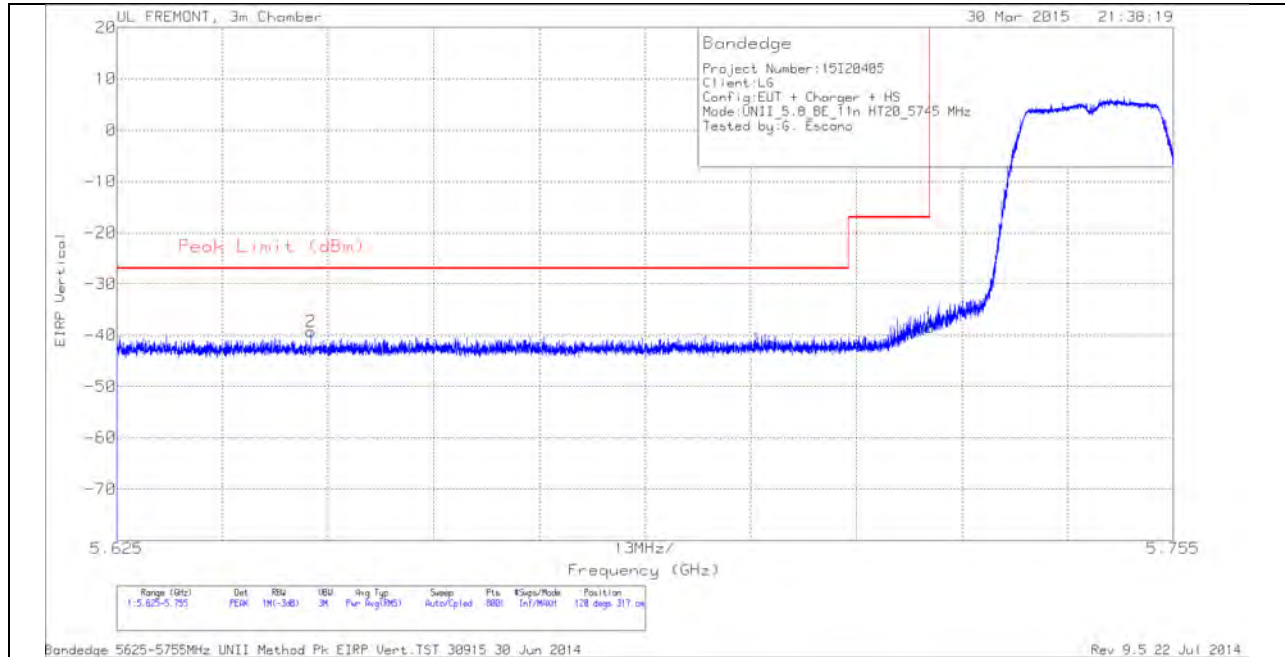


**HORIZONTAL DATA**

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	5.714	-63.3	PK	34.8	-21	11.8	-37.7	-27	-10.7	23	321	H
1	5.725	-56.54	PK	34.8	-21.1	11.8	-31.04	-17	-14.04	23	321	H

PK - Peak detector

**VERTICAL PEAK PLOT**



**VERTICAL DATA**

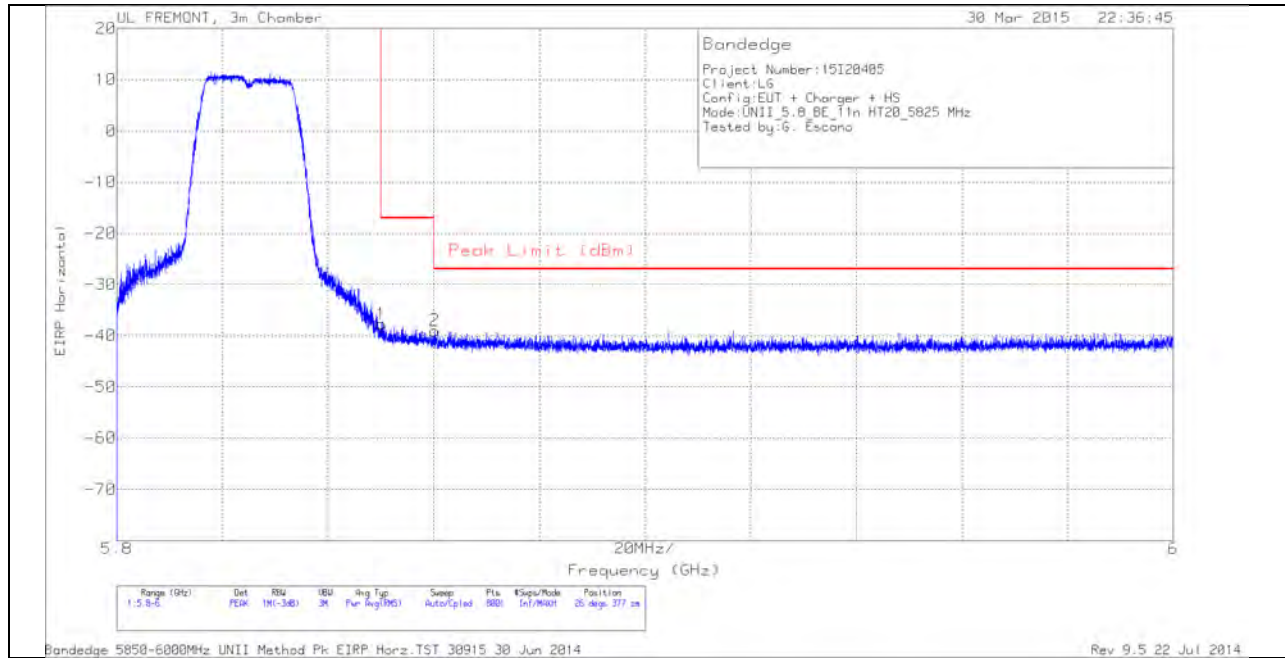
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cb/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.649	-64.71	PK	34.7	-21.1	11.8	-39.31	-27	-12.31	120	317	V
1	5.725	-64.02	PK	34.8	-21.1	11.8	-38.52	-17	-21.52	120	317	V

PK - Peak detector



### AUTHORIZED BANDEGE (HIGH CHANNEL)

#### HORIZONTAL PEAK PLOT

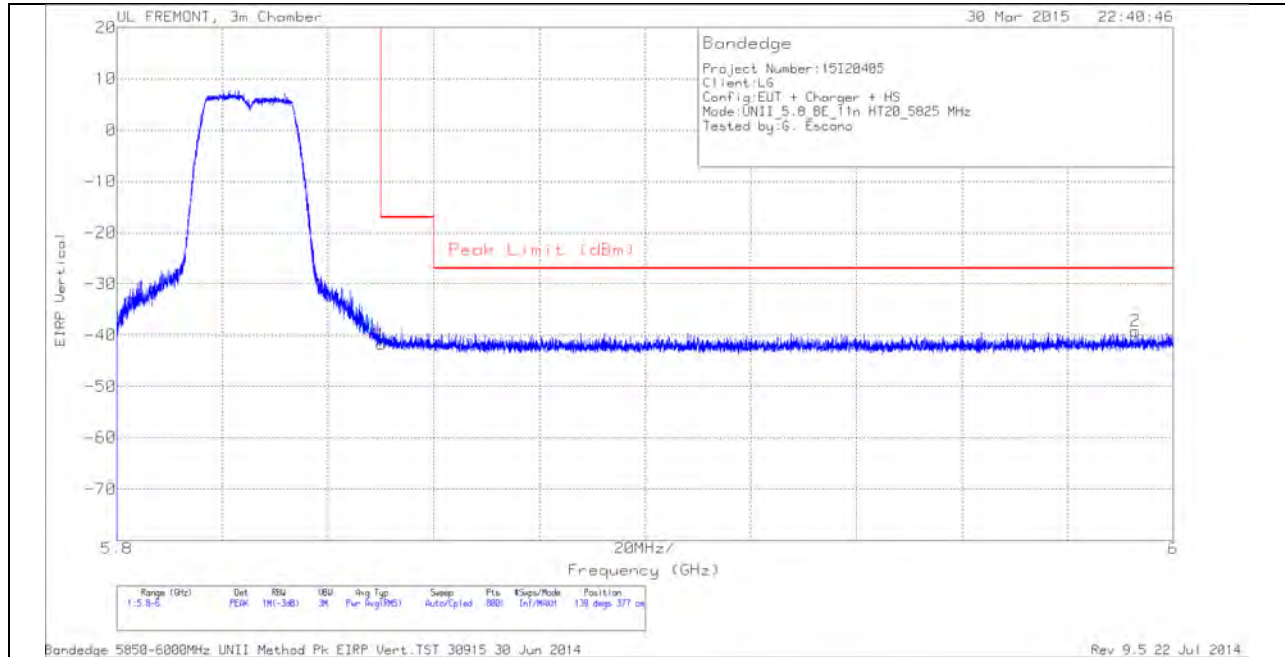


#### HORIZONTAL DATA

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
1	5.85	-63.09	PK	34.9	-21.3	11.8	-37.69	-17	-20.69	26	377	H
2	5.86	-64.38	PK	34.9	-21.3	11.8	-38.98	-27	-11.98	26	377	H

PK - Peak detector

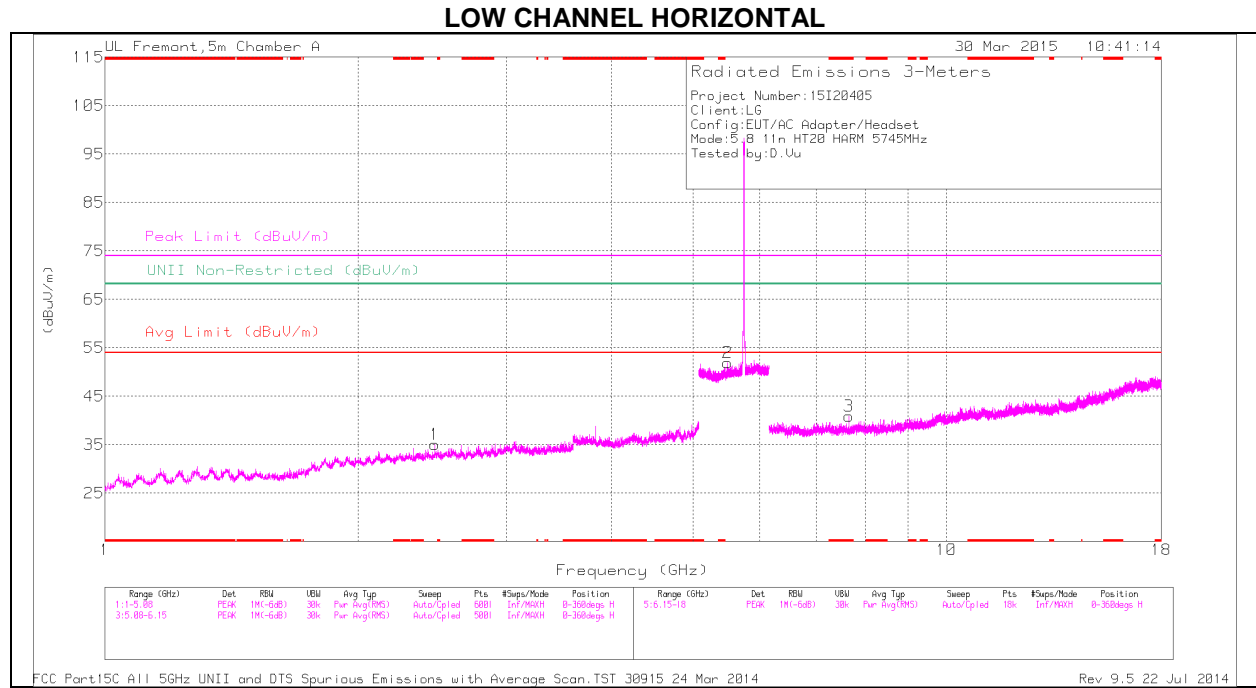
**VERTICAL PEAK PLOT**



**VERTICAL DATA**

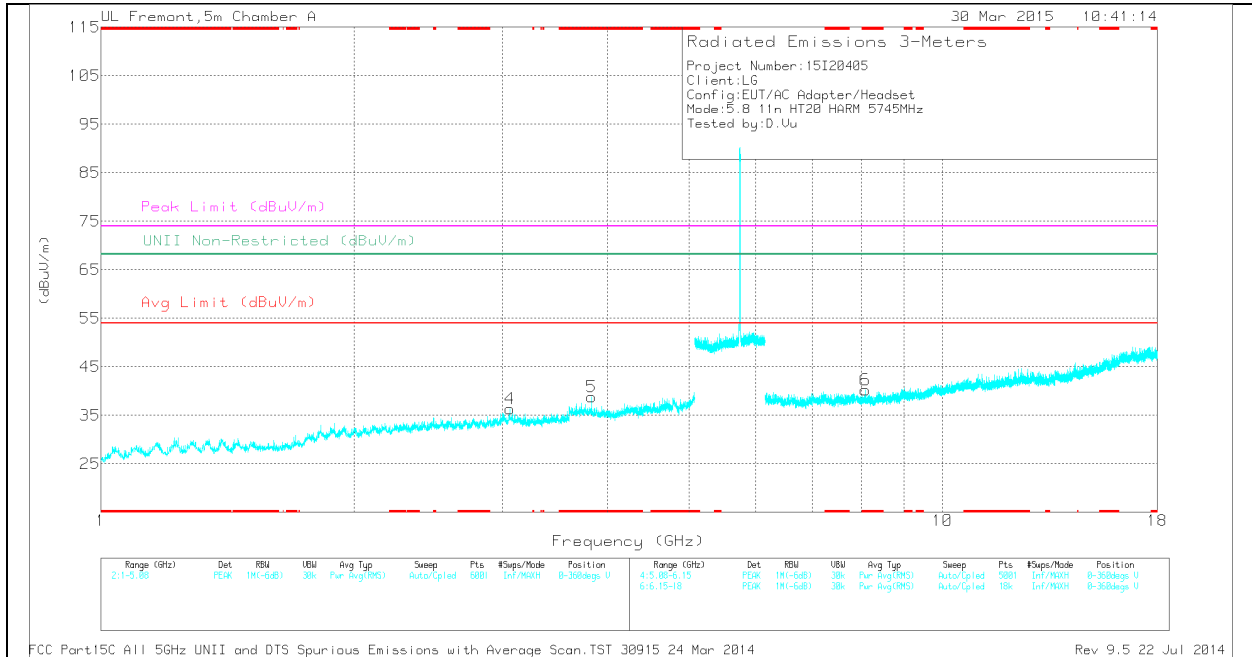
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-67.18	PK	34.9	-21.3	11.8	-41.78	-17	-24.78	139	377	V
2	5.993	-65.32	PK	35.2	-20.9	11.8	-39.22	-27	-12.22	139	377	V

### HARMONICS AND SPURIOUS EMISSIONS



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)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	* 3.83	35.23	PK	33.4	-29.8	0	38.83	-	-	74	-35.17	-	-	0-360	100	V
3	* 7.66	31.21	PK	35.6	-25.9	0	40.91	-	-	74	-33.09	-	-	0-360	201	H
6	* 8.097	29.2	PK	35.7	-24.7	0	40.2	-	-	74	-33.8	-	-	0-360	201	V
1	2.465	34.62	PK	32	-31.6	0	35.02	-	-	-	-	68.2	-33.18	0-360	201	H
4	3.06	33.43	PK	32.9	-30	0	36.33	-	-	-	-	68.2	-31.87	0-360	100	V
2	5.497	36.19	PK	34.5	-18.8	0	51.89	-	-	-	-	68.2	-16.31	0-360	201	H

\* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK - Peak detector

**Radiated Emissions**

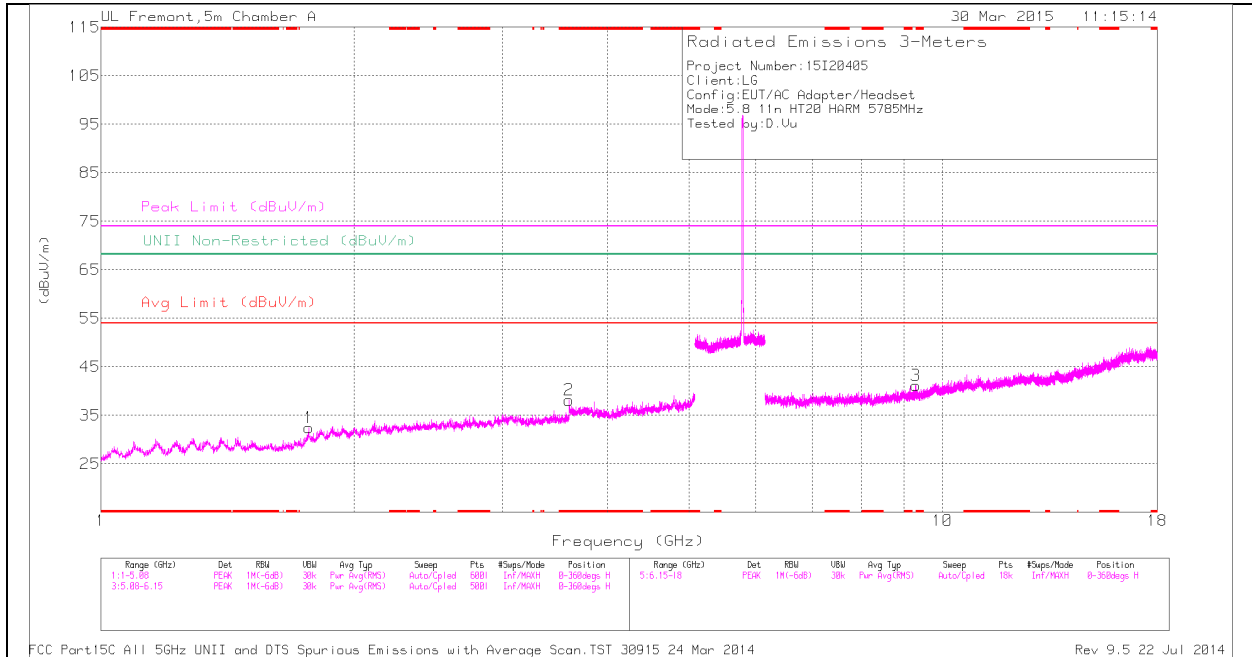
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.83	41.96	PK1	33.4	-29.8	0	45.56	-	-	74	-28.44	-	-	1	100	V
* 3.83	33.96	AD1	33.4	-29.8	.22	37.78	54	-16.22	-	-	-	-	1	100	V
5.495	31.41	AD1	34.5	-18.8	.22	47.33	-	-	-	-	-	-	1	202	H
5.498	35.83	PK1	34.4	-18.8	0	51.43	-	-	-	-	68.2	-16.77	1	202	H

\* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK1 - KDB789033 Method: Peak

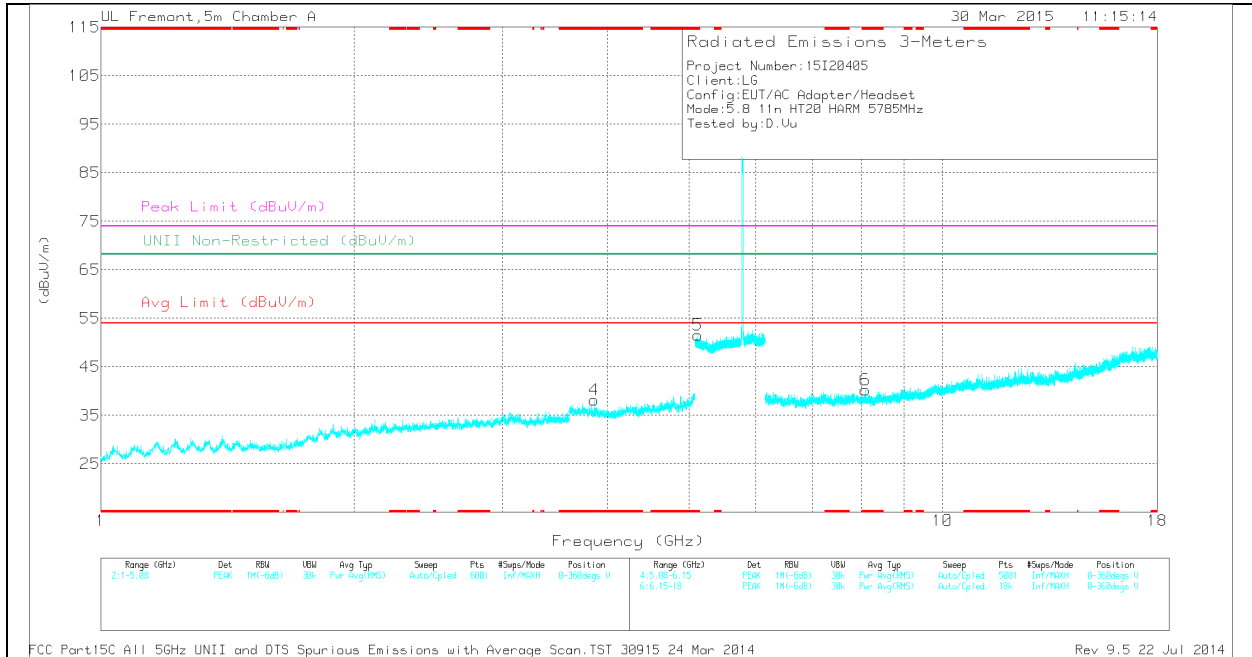
AD1 - KDB789033 Method: AD Primary Power Average

**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)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 3.601	35.41	PK	33.1	-30.4	0	38.11	-	-	74	-35.89	-	-	0-360	100	H
4	* 3.857	34.77	PK	33.4	-30	0	38.17	-	-	74	-35.83	-	-	0-360	100	V
5	* 5.121	37	PK	34.1	-19.5	0	51.6	-	-	74	-22.4	-	-	0-360	201	V
6	* 8.097	29.2	PK	35.7	-24.7	0	40.2	-	-	74	-33.8	-	-	0-360	201	V
1	1.765	35.6	PK	29.5	-32.7	0	32.4	-	-	-	-	68.2	-35.8	0-360	201	H
3	9.297	28.57	PK	36.4	-23.8	0	41.17	-	-	-	-	68.2	-27.03	0-360	100	H

\* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

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
* 3.6	40.97	PK1	33.1	-30.4	0	43.67	-	-	74	-30.33	-	-	1	100	H
* 3.602	29.97	AD1	33.1	-30.4	.22	32.89	54	-21.11	-	-	-	-	1	100	H
* 5.119	43.52	PK1	34.1	-19.5	0	58.12	-	-	74	-15.88	-	-	1	202	V
* 5.119	32.43	AD1	34.1	-19.5	.22	47.25	54	-6.75	-	-	-	-	1	202	V

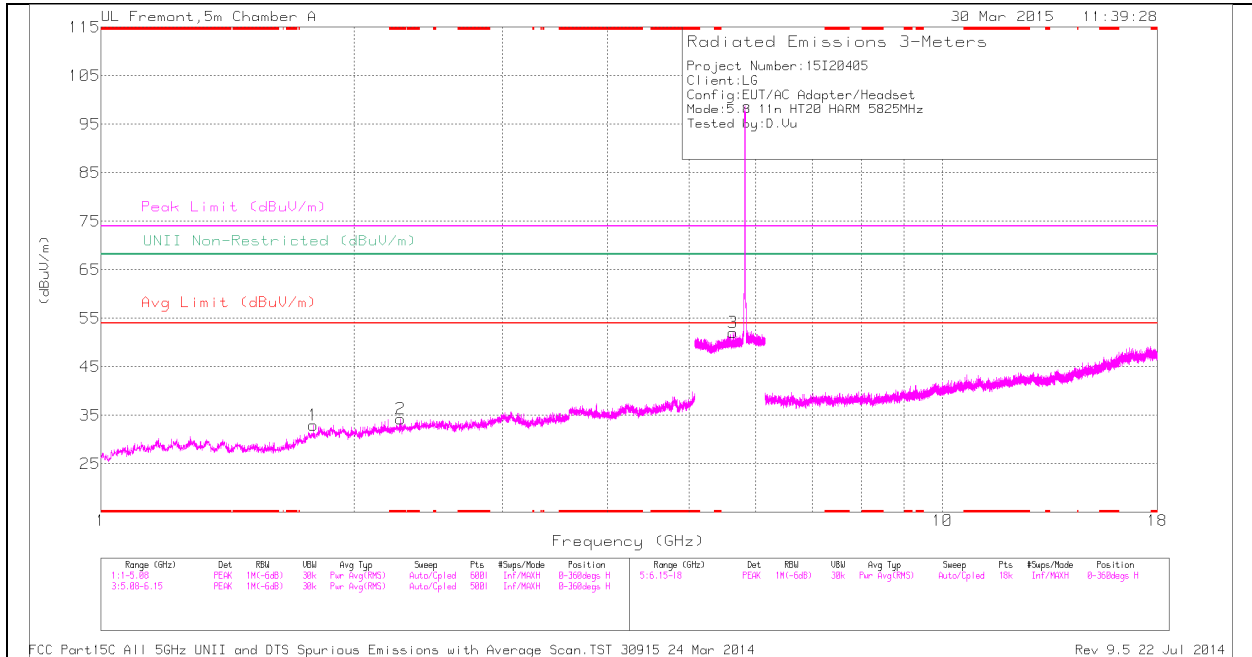
\* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

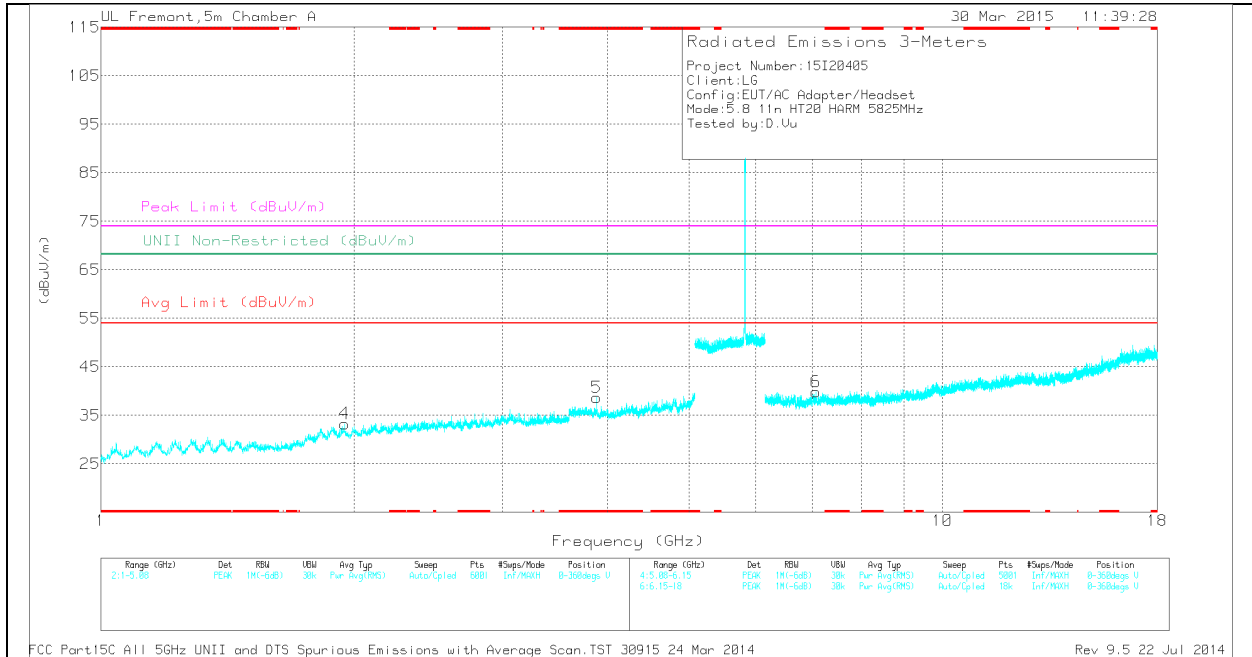


**HIGH CHANNEL HORIZONTAL**



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
2	* 2.269	34.41	PK	31.7	-31.8	0	34.31	-	-	74	-39.69	-	-	0-360	100	H
5	* 3.883	35.08	PK	33.5	-29.9	0	38.68	-	-	74	-35.32	-	-	0-360	100	V
1	1.788	35.32	PK	29.8	-32.2	0	32.92	-	-	-	-	68.2	-35.28	0-360	201	H
4	1.949	34.9	PK	31	-32.6	0	33.3	-	-	-	-	68.2	-34.9	0-360	201	V
3	5.635	36.42	PK	34.5	-18.9	0	52.02	-	-	-	-	68.2	-16.18	0-360	201	H
6	7.074	30.79	PK	35.6	-26.5	0	39.89	-	-	-	-	68.2	-28.31	0-360	201	V

\* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

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
* 2.268	41.47	PK1	31.7	-31.8	0	41.37	-	-	74	-32.63	-	-	1	100	H
* 2.269	29.74	AD1	31.7	-31.8	.22	29.86	54	-24.14	-	-	-	-	1	100	H
* 3.882	42.73	PK1	33.5	-29.9	0	46.33	-	-	74	-27.67	-	-	1	100	V
* 3.883	34.31	AD1	33.5	-29.9	.22	38.13	54	-15.87	-	-	-	-	1	100	V

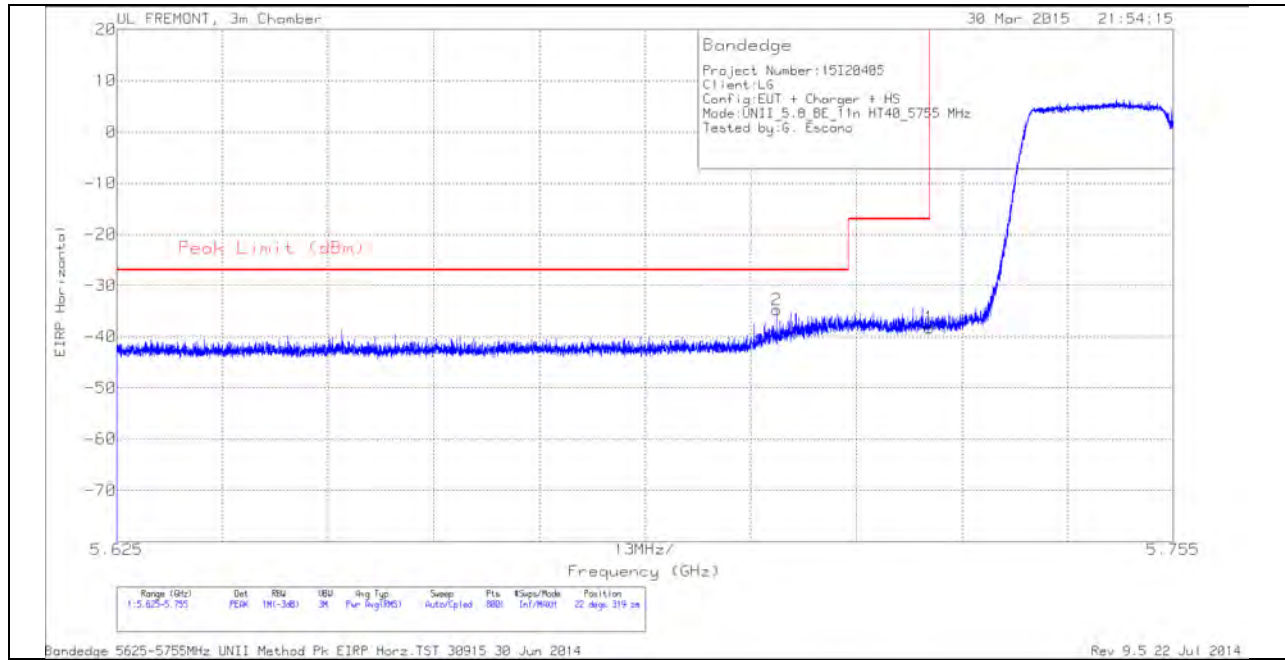
\* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

**TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.8 GHz BAND  
 RESTRICTED BANDEDGE (LOW CHANNEL)**

**HORIZONTAL PEAK PLOT**

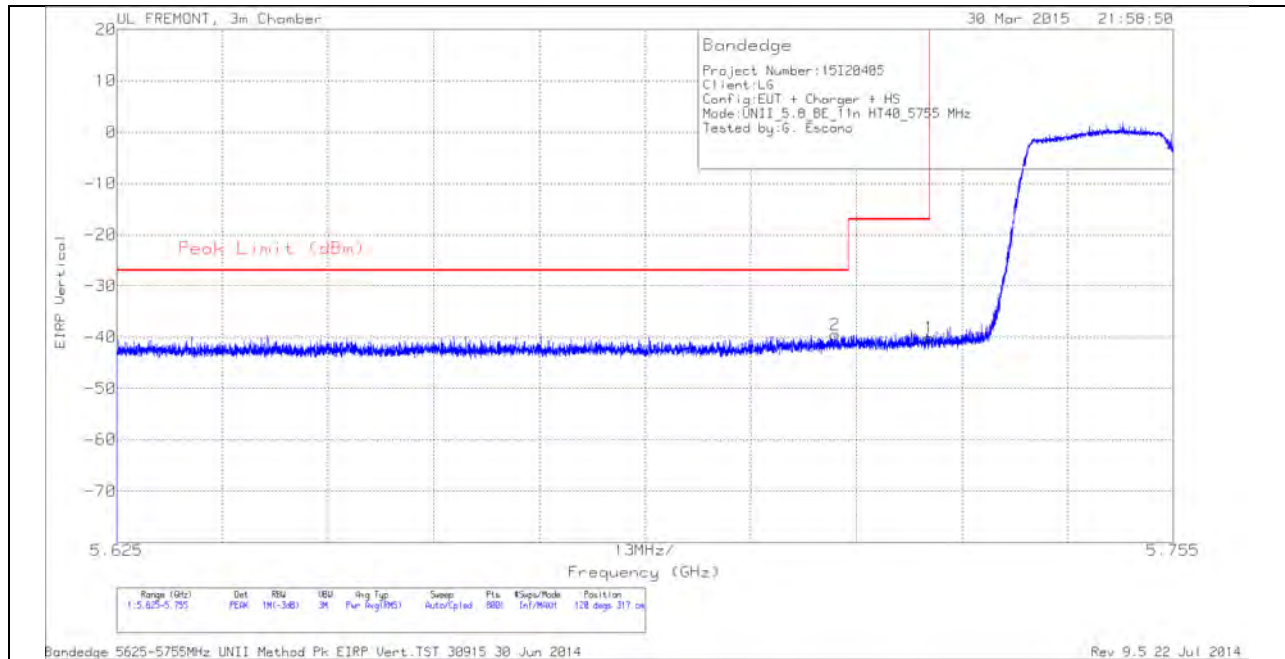


**HORIZONTAL DATA**

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	5.706	-60.22	PK	34.7	-21	11.8	-34.72	-27	-7.72	22	319	H
1	5.725	-63.74	PK	34.8	-21.1	11.8	-38.24	-17	-21.24	22	319	H

PK - Peak detector

**VERTICAL PEAK PLOT**



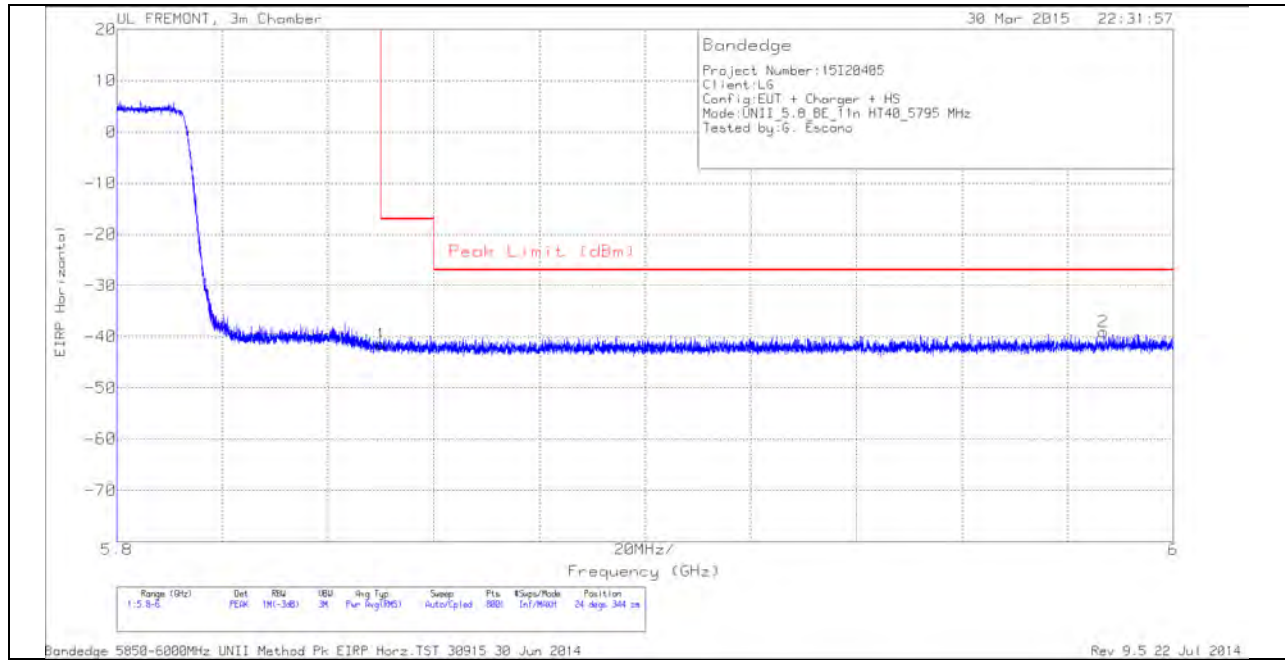
**VERTICAL DATA**

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	5.713	-65.11	PK	34.8	-21	11.8	-39.51	-27	-12.51	120	317	V
1	5.725	-65.61	PK	34.8	-21.1	11.8	-40.11	-17	-23.11	120	317	V

PK - Peak detector

### AUTHORIZED BANDEGE (HIGH CHANNEL)

#### HORIZONTAL PEAK PLOT

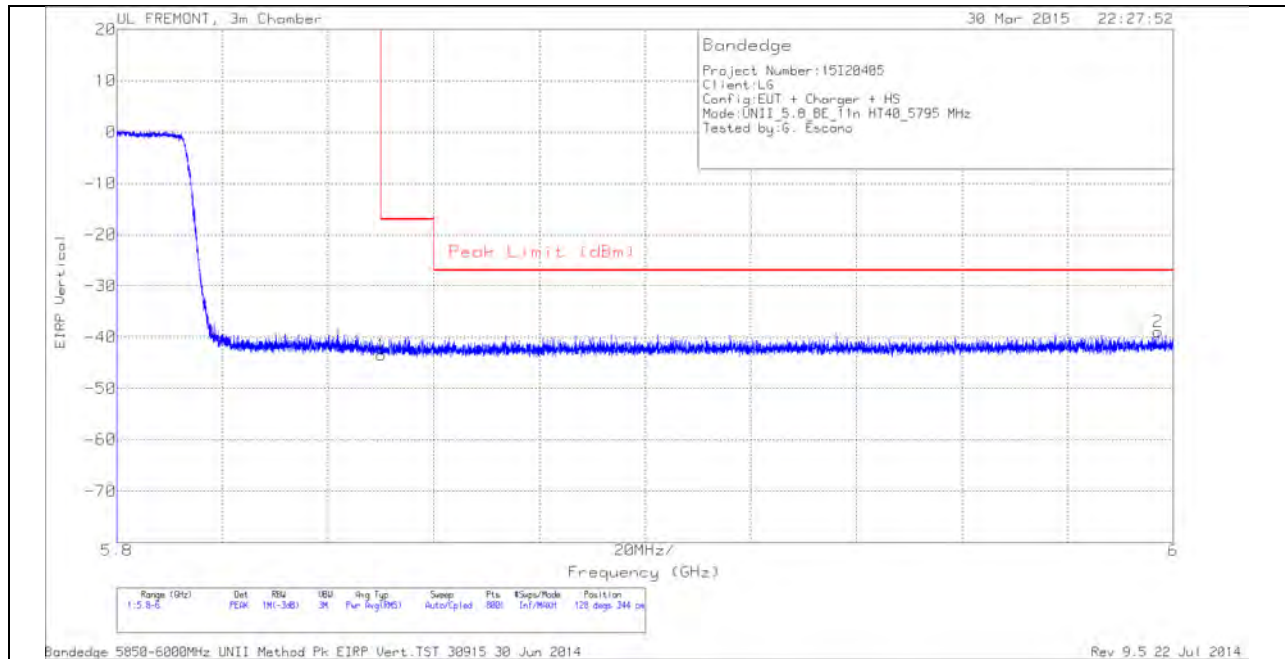


#### HORIZONTAL DATA

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
1	5.85	-66.87	PK	34.9	-21.3	11.8	-41.47	-17	-24.47	24	344	H
2	5.987	-65.12	PK	35.2	-20.9	11.8	-39.02	-27	-12.02	24	344	H

PK - Peak detector

**VERTICAL PEAK PLOT**



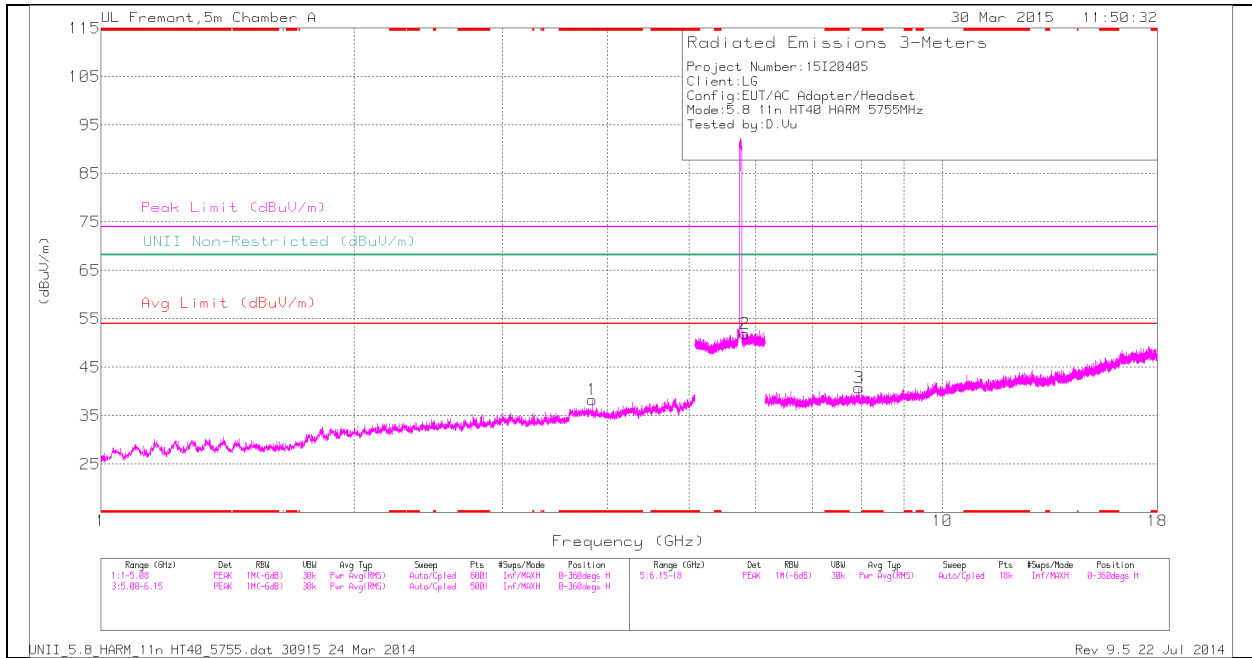
**VERTICAL DATA**

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	-68.87	PK	34.9	-21.3	11.8	-43.47	-17	-26.47	128	344	V
2	5.997	-65.23	PK	35.2	-20.7	11.8	-38.93	-27	-11.93	128	344	V

PK - Peak detector

### HARMONICS AND SPURIOUS EMISSIONS

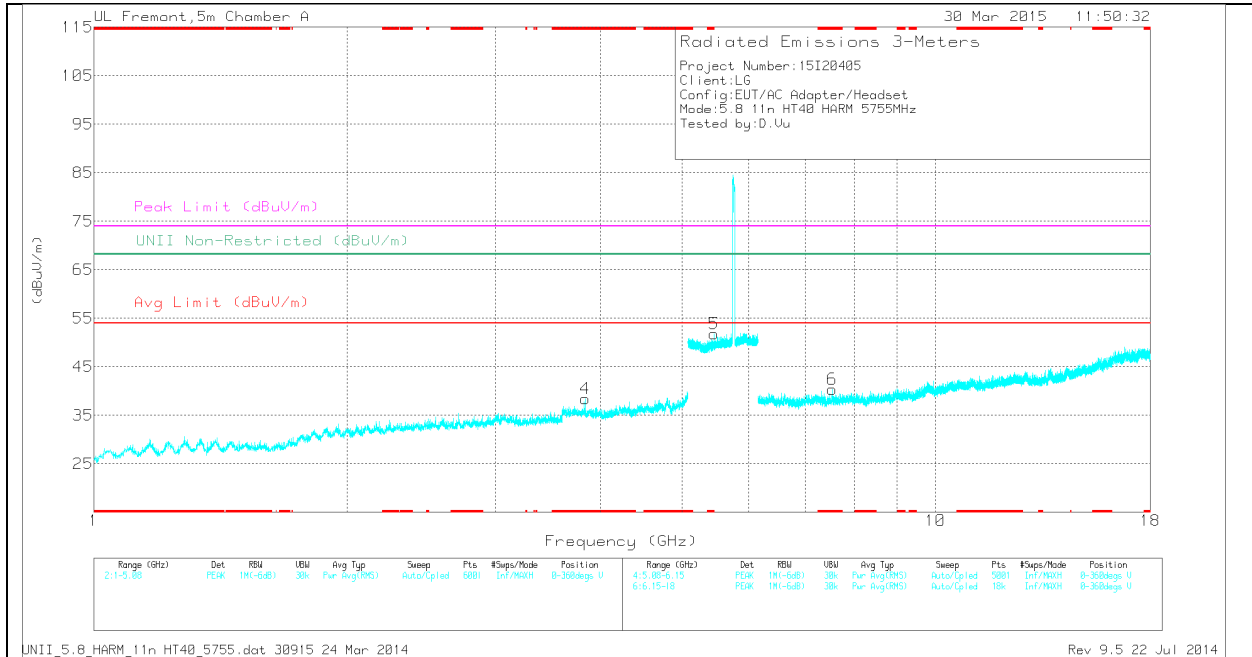
#### LOW CHANNEL HORIZONTAL



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)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.836	35.03	PK	33.4	-30.1	0	38.33	-	-	74	-35.67	-	-	0-360	100	H
4	* 3.836	35.08	PK	33.4	-30.1	0	38.38	-	-	74	-35.62	-	-	0-360	100	V
5	* 5.459	36.16	PK	34.5	-18.8	0	51.86	-	-	74	-22.14	-	-	0-360	201	V
6	* 7.543	29.53	PK	35.5	-24.7	0	40.33	-	-	74	-33.67	-	-	0-360	100	V
2	5.823	35.29	PK	35	-18.4	0	51.89	-	-	-	-	68.2	-16.31	0-360	100	H
3	7.958	30.55	PK	35.7	-25.5	0	40.75	-	-	-	-	68.2	-27.45	0-360	201	H

\* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK - Peak detector

**Radiated Emissions**

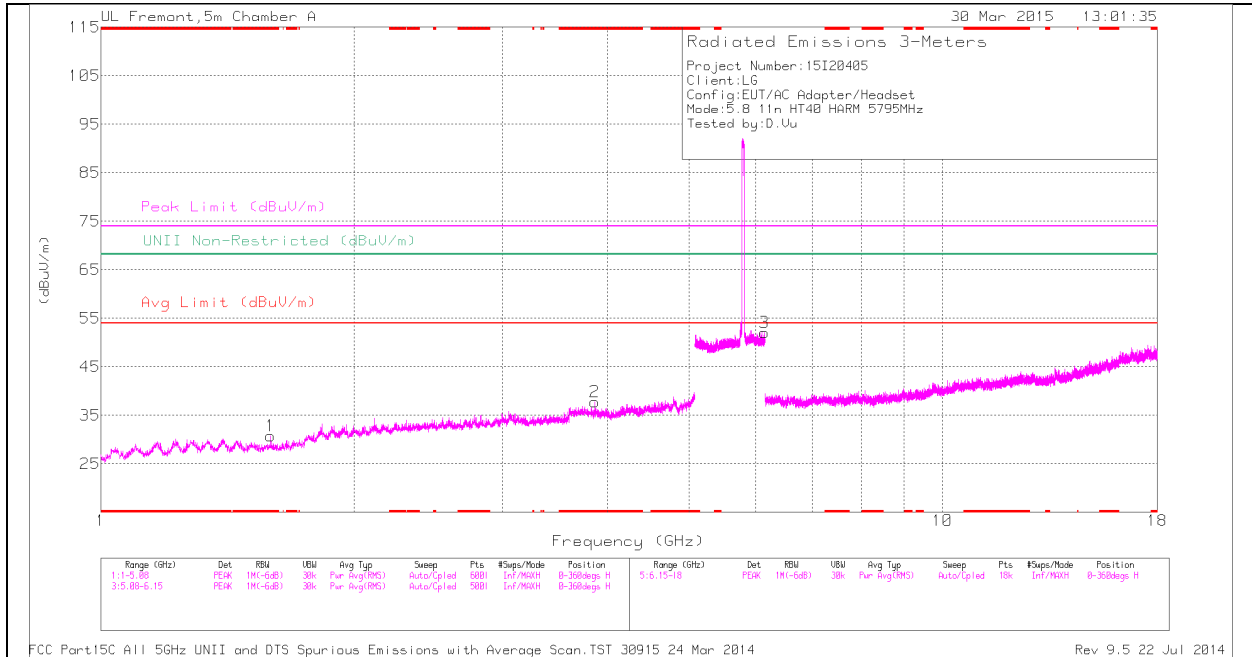
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.837	42.26	PK1	33.4	-30.1	0	45.56	-	-	74	-28.44	-	-	360	100	V
* 3.837	33.43	AD1	33.4	-30.1	.46	37.19	54	-16.81	-	-	-	-	360	100	V
5.823	42.76	PK1	35	-18.4	0	59.36	-	-	-	-	68.2	-8.84	360	100	H
5.824	31.36	AD1	35	-18.4	.46	48.42	-	-	-	-	-	-	360	100	H

\* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK1 - KDB789033 Method: Peak

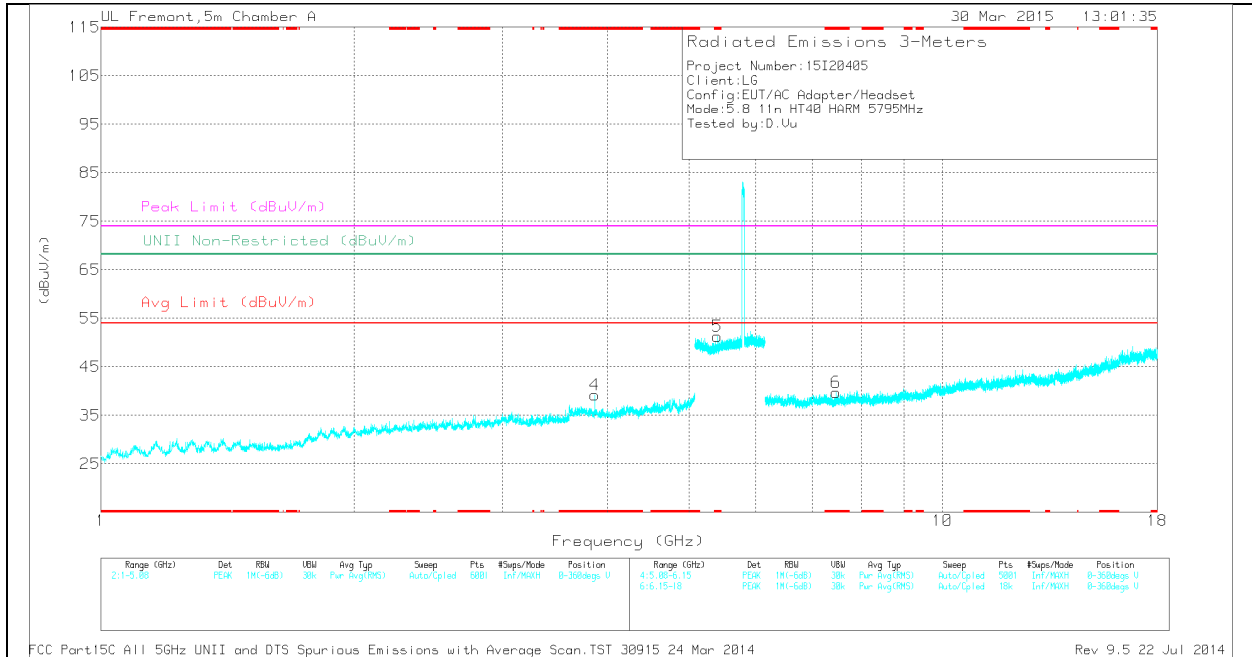
AD1 - KDB789033 Method: AD Primary Power Average

**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	* 1.592	36.05	PK	27.9	-33.2	0	30.75	-	-	74	-43.25	-	-	0-360	100	H
2	* 3.863	34.23	PK	33.5	-29.9	0	37.83	-	-	74	-36.17	-	-	0-360	100	H
4	* 3.863	35.64	PK	33.5	-29.9	0	39.24	-	-	74	-34.76	-	-	0-360	100	V
5	* 5.402	35.23	PK	34.6	-18.6	0	51.23	-	-	74	-22.77	-	-	0-360	201	V
6	* 7.476	29.78	PK	35.5	-25.5	0	39.78	-	-	74	-34.22	-	-	0-360	100	V
3	6.141	34.72	PK	35.4	-18	0	52.12	-	-	-	-	68.2	-16.08	0-360	201	H

\* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

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
* 3.863	42.11	PK1	33.5	-29.9	0	45.71	-	-	74	-28.29	-	-	360	100	H
* 3.863	32.21	AD1	33.5	-29.9	.46	36.27	54	-17.73	-	-	-	-	360	100	H
* 5.403	42.25	PK1	34.6	-18.6	0	58.25	-	-	74	-15.75	-	-	360	202	V
* 5.403	30.92	AD1	34.6	-18.6	.46	47.38	54	-6.62	-	-	-	-	360	202	V

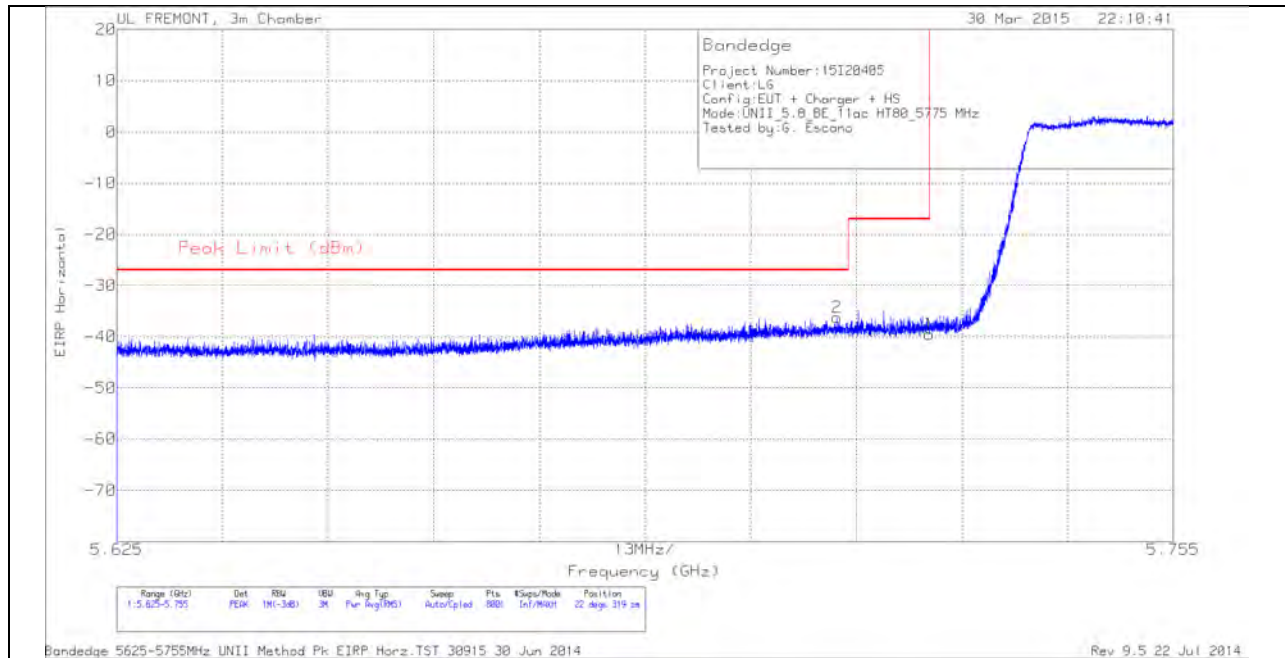
\* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

**11.4.3. TX ABOVE 1 GHz 802.11ac HT80 MODE IN THE 5.8 GHz BAND  
 RESTRICTED BANDEDGE (LOW CHANNEL)**

**HORIZONTAL PEAK PLOT**

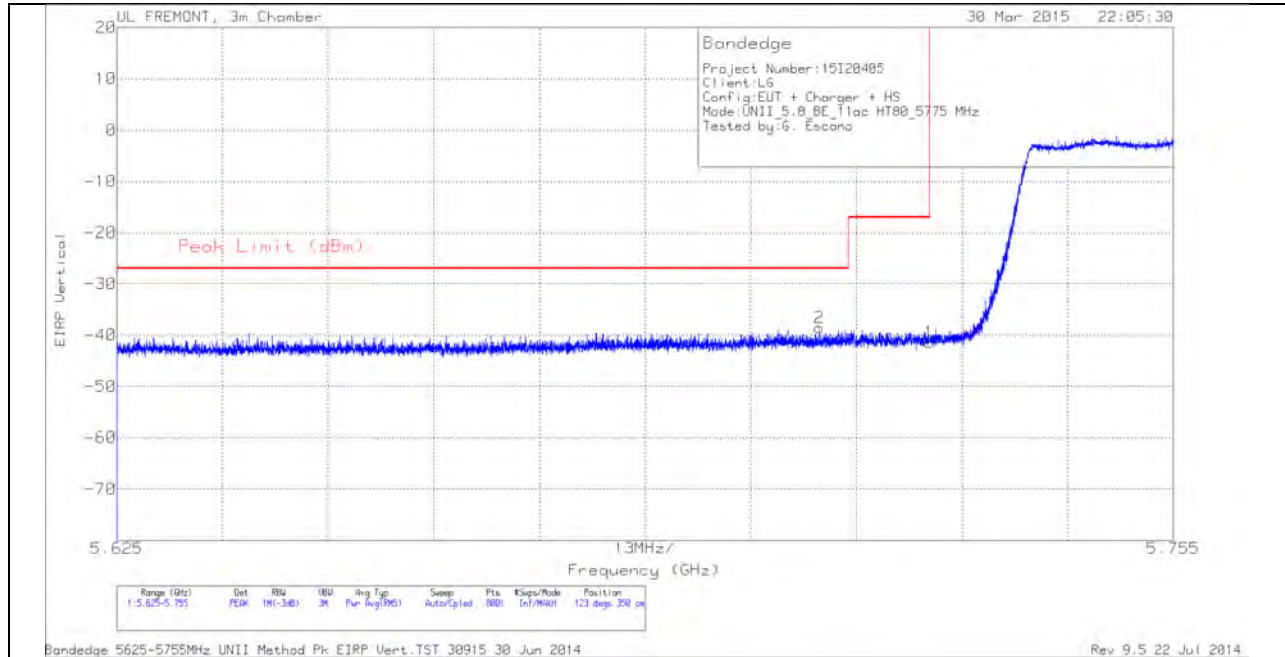


**HORIZONTAL DATA**

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	5.714	-61.81	PK	34.8	-21	11.8	-36.21	-27	-9.21	22	319	H
1	5.725	-65	PK	34.8	-21.1	11.8	-39.5	-17	-22.5	22	319	H

PK - Peak detector

**VERTICAL PEAK PLOT**



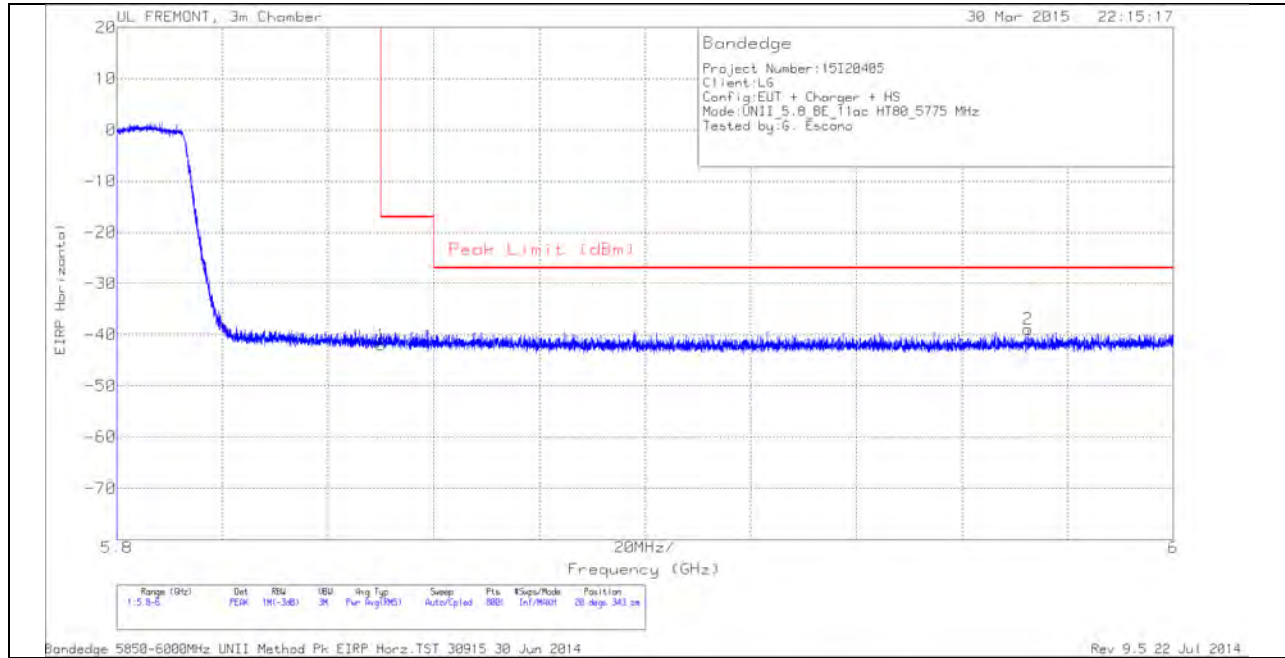
**VERTICAL DATA**

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	5.711	-64.14	PK	34.8	-21	11.8	-38.54	-27	-11.54	123	350	V
1	5.725	-66.86	PK	34.8	-21.1	11.8	-41.36	-17	-24.36	123	350	V

PK - Peak detector

### AUTHORIZED BANDEDGE (HIGH CHANNEL)

#### HORIZONTAL PEAK PLOT



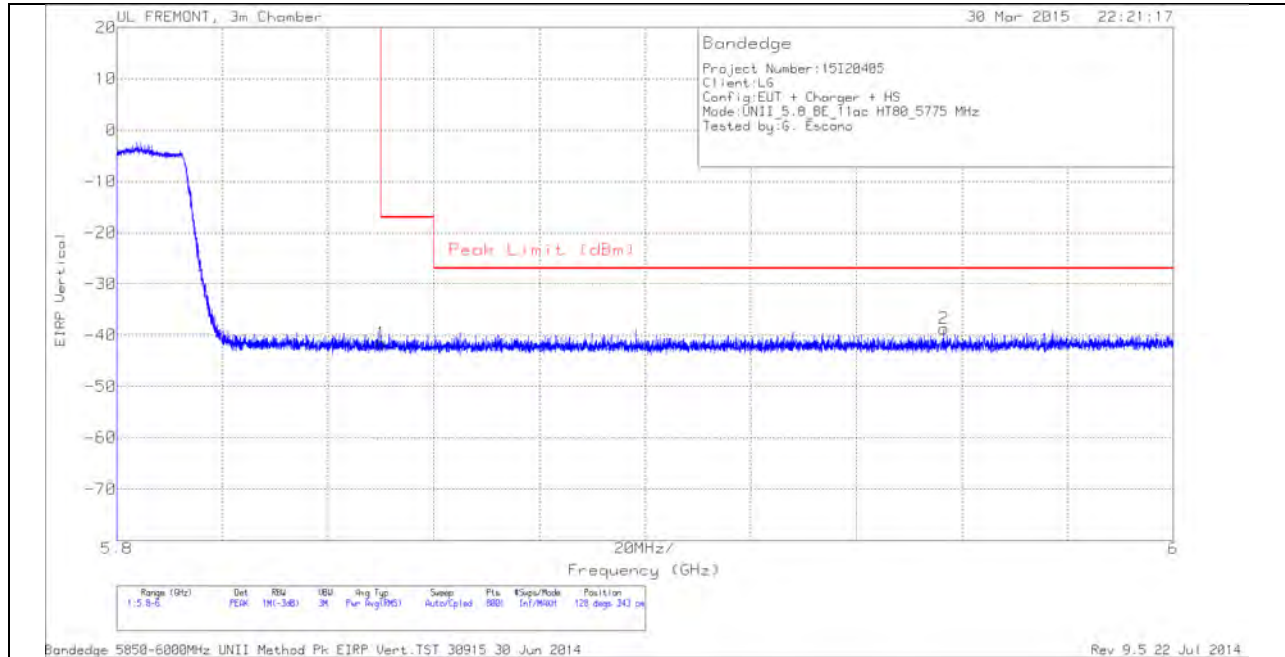
#### HORIZONTAL DATA

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
1	5.85	-67.4	PK	34.9	-21.3	11.8	-42	-17	-25	20	343	H
2	5.973	-64.87	PK	35.1	-21	11.8	-38.97	-27	-11.97	20	343	H

PK - Peak detector



**VERTICAL PEAK PLOT**



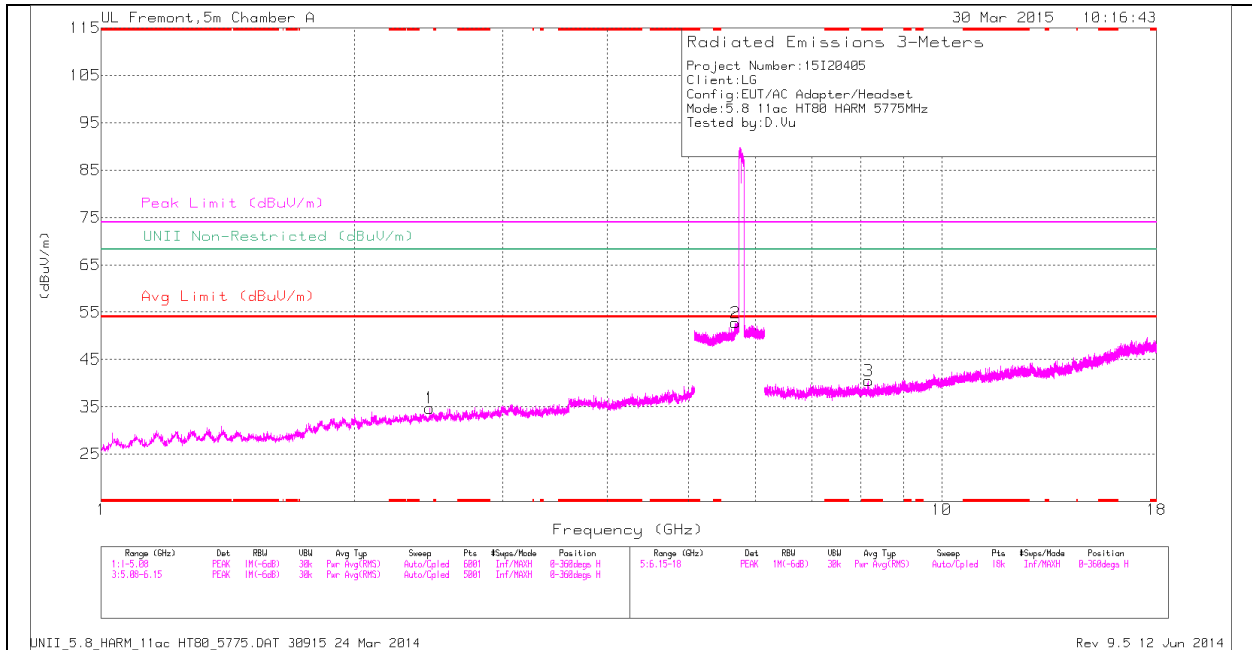
**VERTICAL DATA**

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
1	5.85	-66.89	PK	34.9	-21.3	11.8	-41.49	-17	-24.49	128	343	V
2	5.957	-64.63	PK	35.1	-21	11.8	-38.73	-27	-11.73	128	343	V

PK - Peak detector

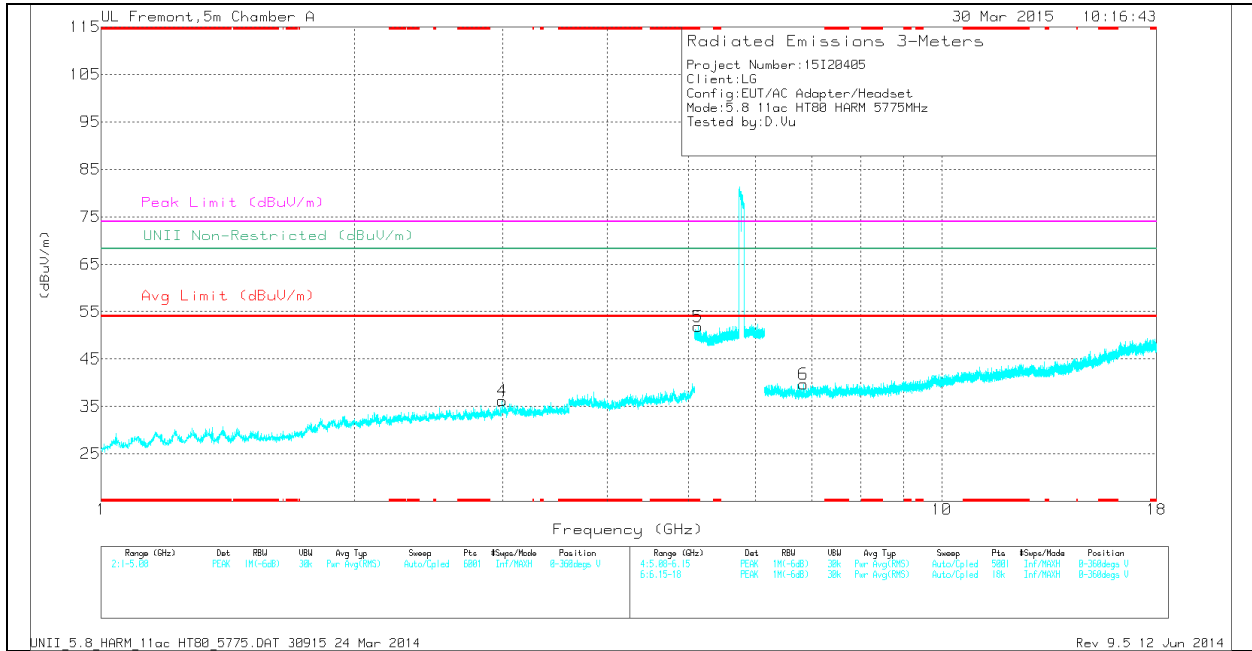
### HARMONICS AND SPURIOUS EMISSIONS

#### 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)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	* 5.127	37.03	PK	34.2	-19.4	0	51.83	-	-	74	-22.17	-	-	0-360	201	V
3	* 8.179	29.28	PK	35.7	-24.5	0	40.48	-	-	74	-33.52	-	-	0-360	201	H
1	2.459	34.34	PK	32	-31.6	0	34.74	-	-	-	-	68.2	-33.46	0-360	100	H
4	2.998	33.69	PK	32.9	-30.4	0	36.19	-	-	-	-	68.2	-32.01	0-360	201	V
2	5.68	37.02	PK	34.6	-18.9	0	52.72	-	-	-	-	68.2	-15.48	0-360	100	H
6	6.847	30.91	PK	35.6	-26.8	0	39.71	-	-	-	-	68.2	-28.49	0-360	100	V

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

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
* 5.128	43.64	PK1	34.2	-19.4	0	58.44	-	-	74	-15.56	-	-	1	202	V
* 5.126	32.33	AD1	34.2	-19.4	.35	47.49	54	-6.51	-	-	-	-	1	202	H
2.997	29.31	AD1	32.9	-30.4	.36	32.17	-	-	-	-	-	-	1	202	V
2.999	40.55	PK1	32.9	-30.4	0	43.05	-	-	-	-	68.2	-25.15	1	202	V

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

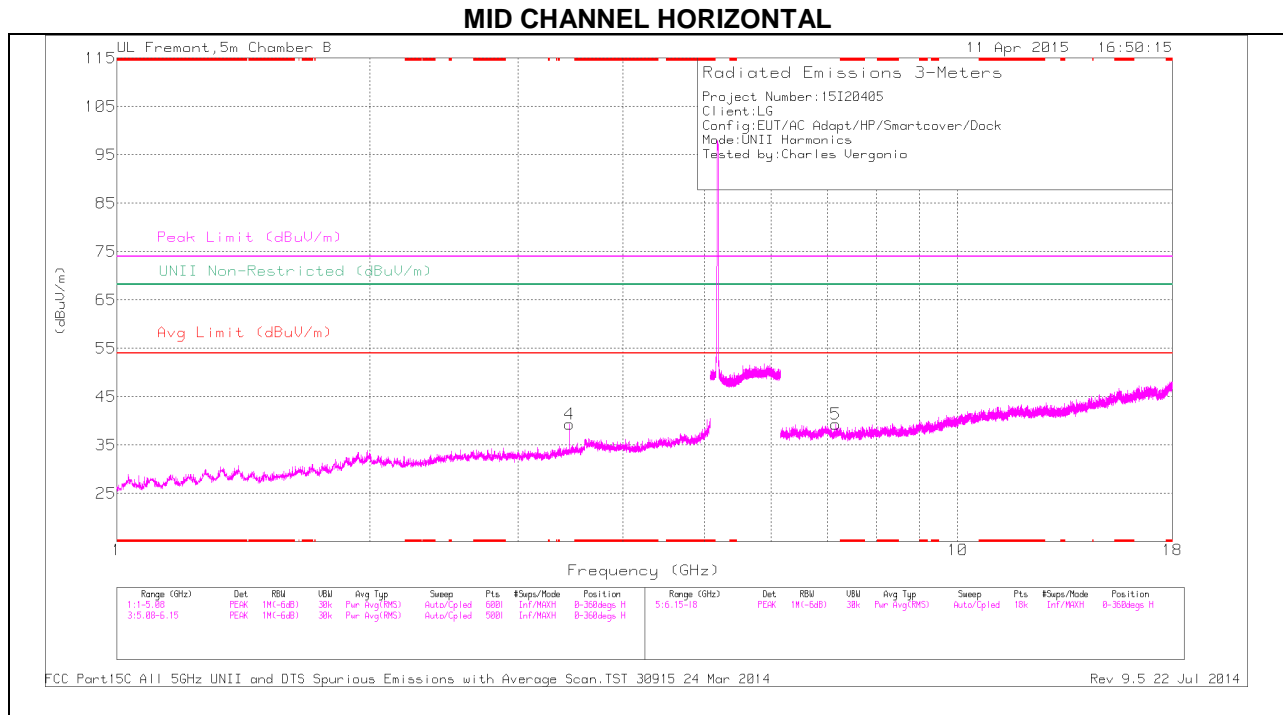
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

## 11.5. ADDITIONAL TESTS (Phone with Smart Case and Dock)

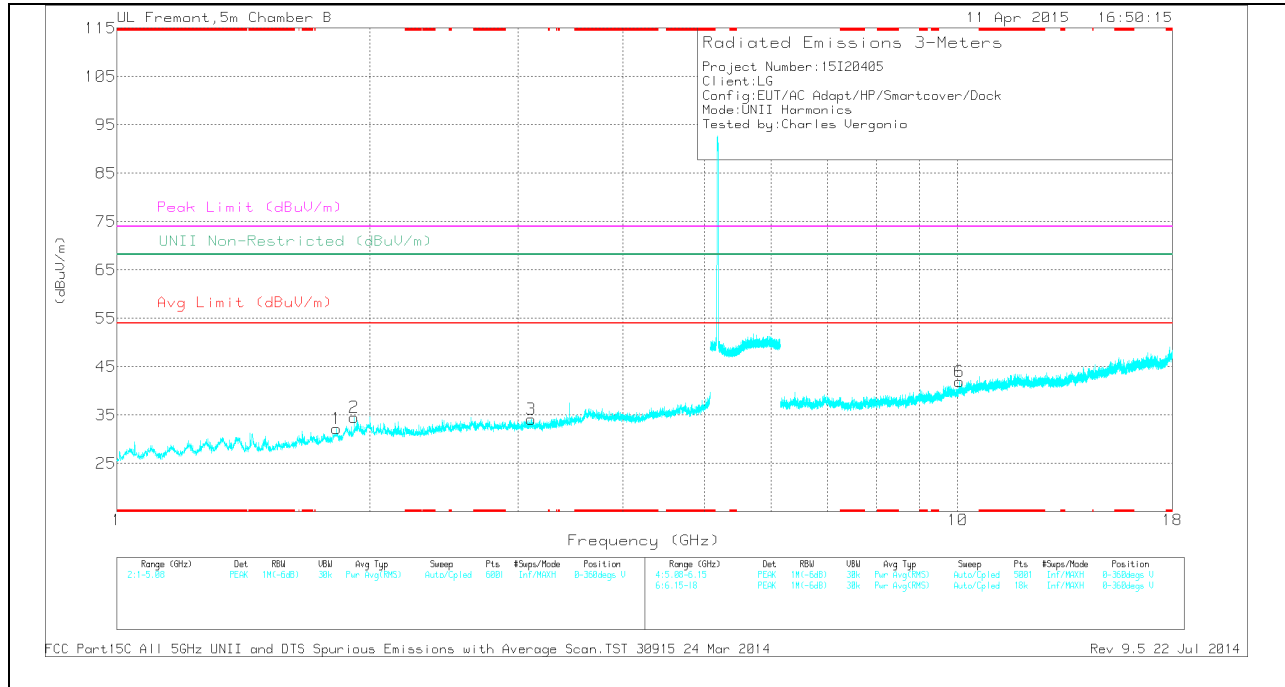
### 11.5.1. TX ABOVE 1 GHz 802.11a MODE IN THE 5.2 GHz BAND

#### HARMONICS AND SPURIOUS EMISSIONS



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

**MID CHANNEL VERTICAL**



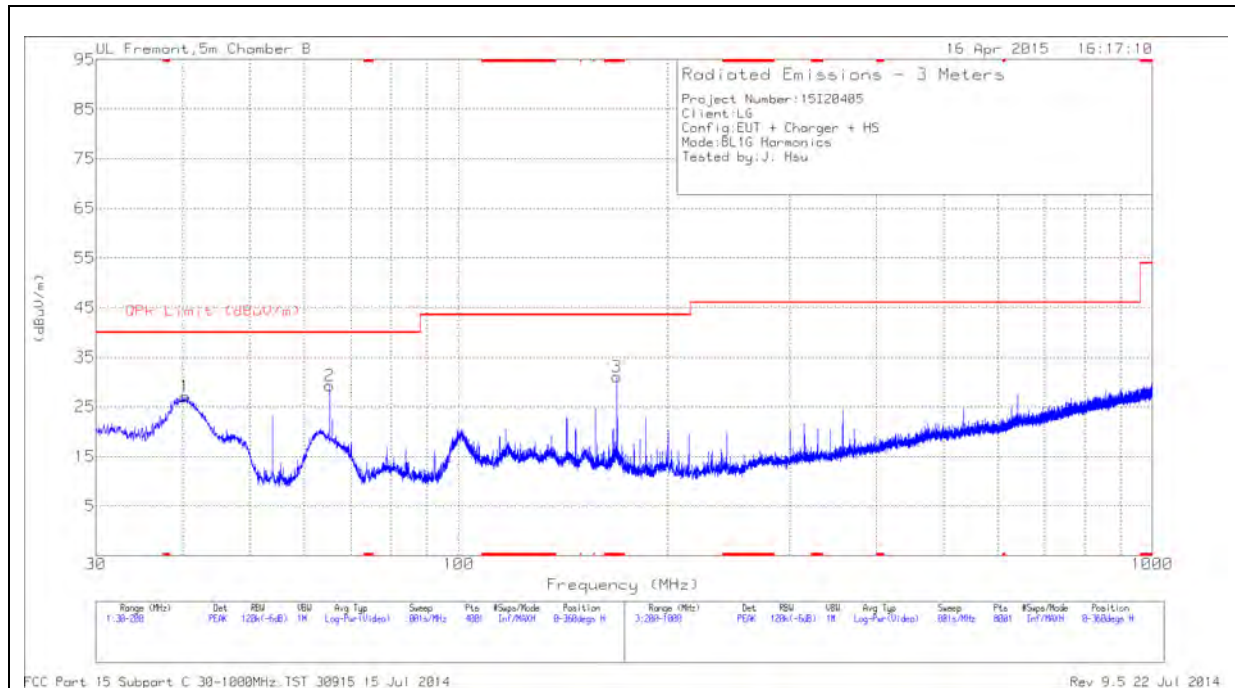
Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

**MID CHANNEL DATA**

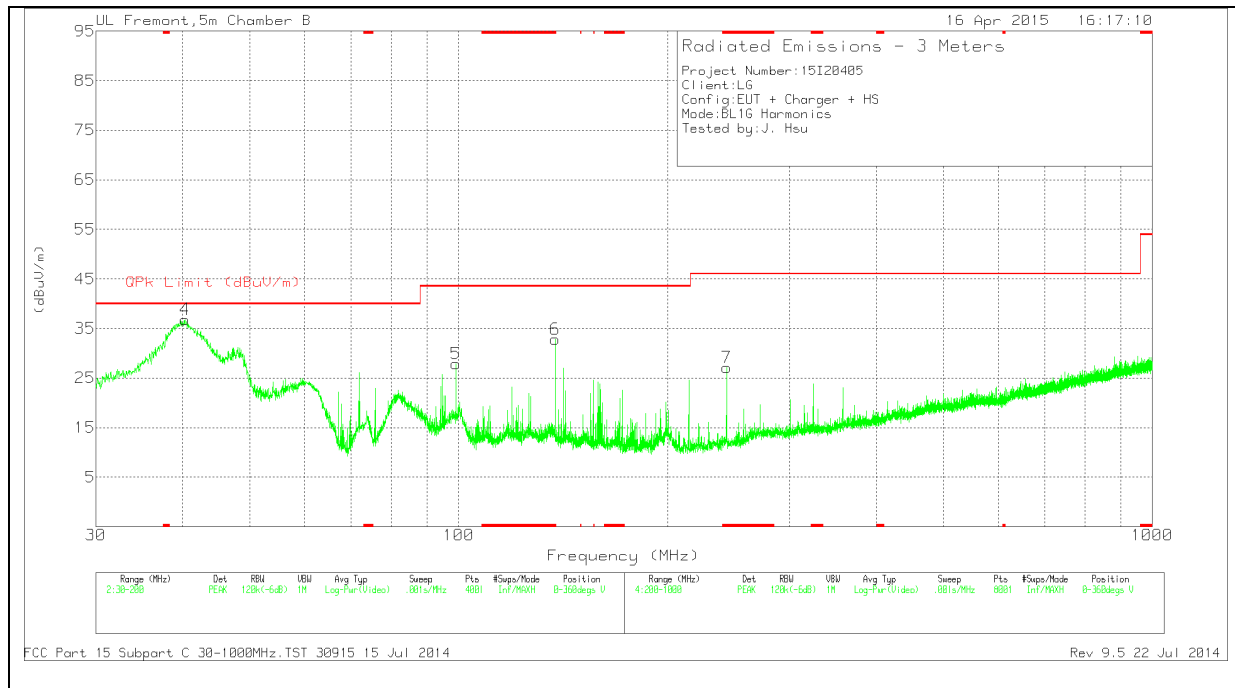
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cb/Ftr /Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.825	34.44	PK	31	-33.3	32.14	-	-	-	-	68.2	-36.06	0-360	101	V
2	1.915	35	PK	31.9	-32.4	34.5	-	-	-	-	68.2	-33.7	0-360	199	V
3	3.109	33	PK	32.7	-31.6	34.1	-	-	-	-	68.2	-34.1	0-360	101	V
4	3.453	37.04	PK	33.3	-31	39.34	-	-	-	-	68.2	-28.86	0-360	101	H
5	7.159	31.08	PK	35.5	-27.2	39.38	-	-	-	-	68.2	-28.82	0-360	101	H
6	10.048	27.92	PK	37.2	-23.2	41.92	-	-	-	-	68.2	-26.28	0-360	101	V

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

### SPURIOUS EMISSIONS 30 TO 1000 MHz (NORMAL COVER CONFIGURATION, HORIZONTAL)



**SPURIOUS EMISSIONS 30 TO 1000 MHz (NORMAL COVER CONFIGURATION, VERTICAL)**



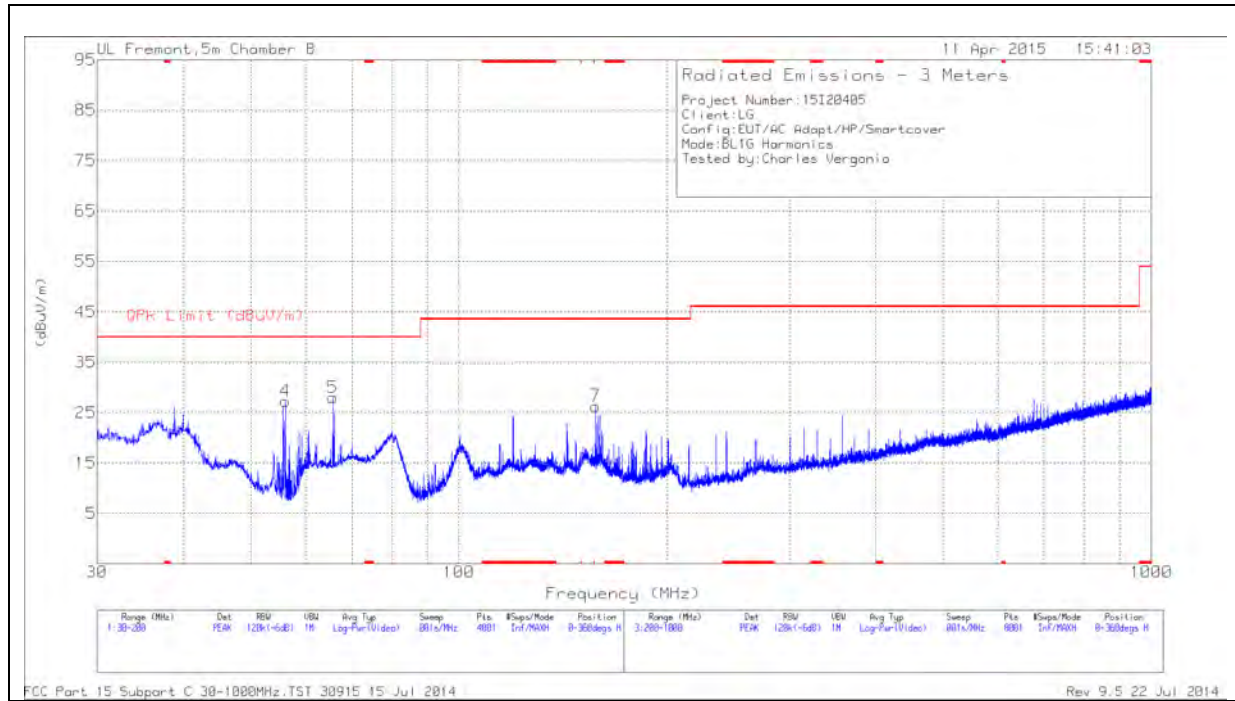
**Below 1G Data**

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
3	* 169.1875	46.67	PK	11.7	-27.3	31.07	43.52	-12.45	0-360	101	H
6	* 137.865	47.1	PK	13.3	-27.6	32.8	43.52	-10.72	0-360	101	V
7	* 243.4	41.97	PK	11.6	-26.5	27.07	46.02	-18.95	0-360	200	V
1	40.3275	42.14	PK	13.8	-28.8	27.14	40	-12.86	0-360	300	H
4	40.3275	51.83	PK	13.8	-28.8	36.83	40	-3.17	0-360	101	V
2	65.19	49.84	PK	7.9	-28.5	29.24	40	-10.76	0-360	400	H
5	99.1475	46.02	PK	10	-28.1	27.92	43.52	-15.6	0-360	101	V

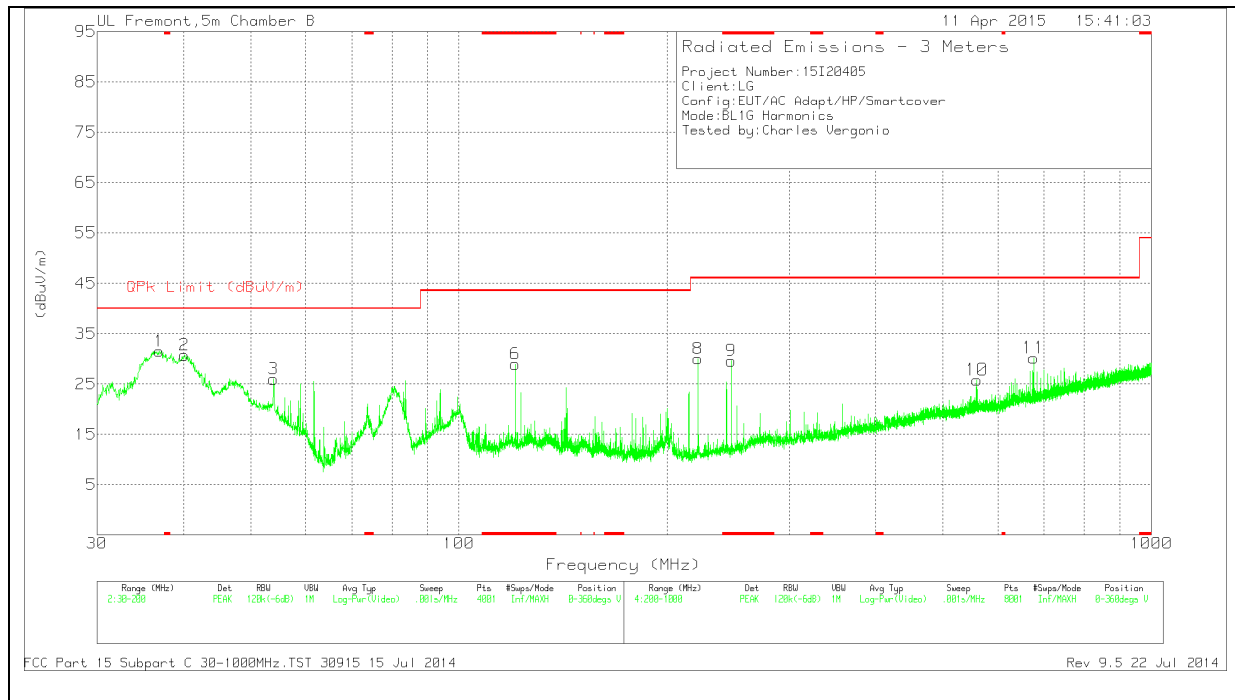
PK - Peak detector



**SPURIOUS EMISSIONS 30 TO 1000 MHz (SMART COVER CONFIGURATION, HORIZONTAL)**



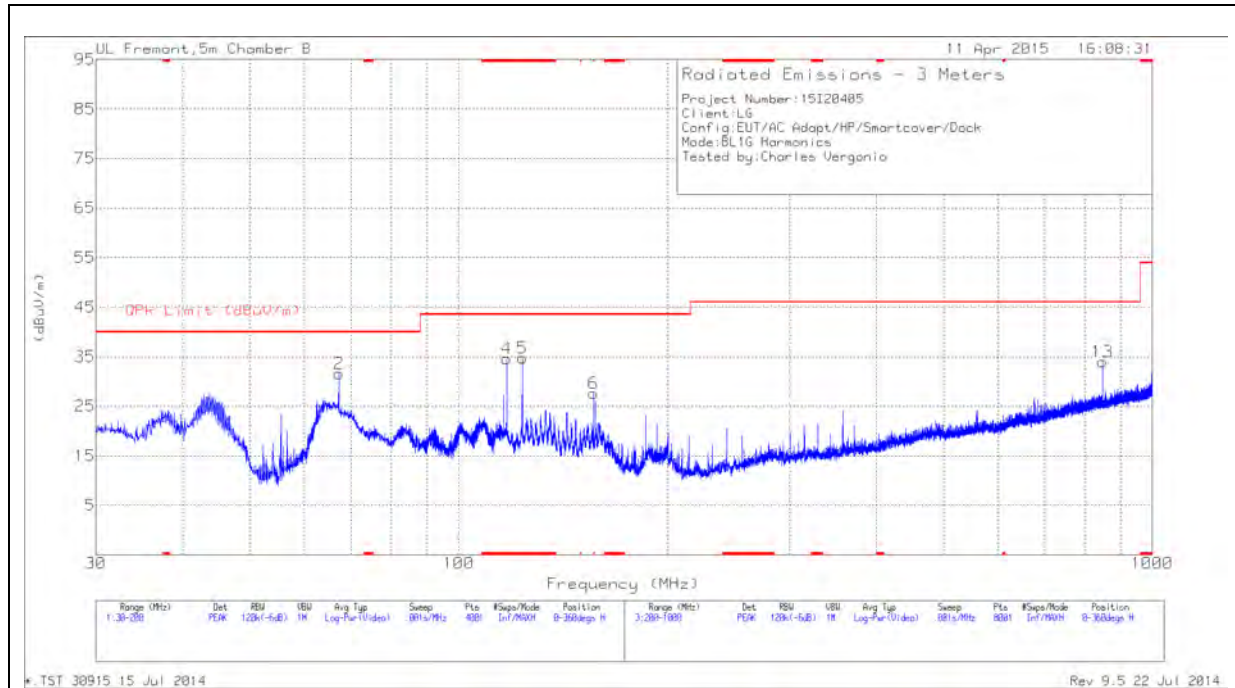
**SPURIOUS EMISSIONS 30 TO 1000 MHz (SMART COVER CONFIGURATION, VERTICAL)**



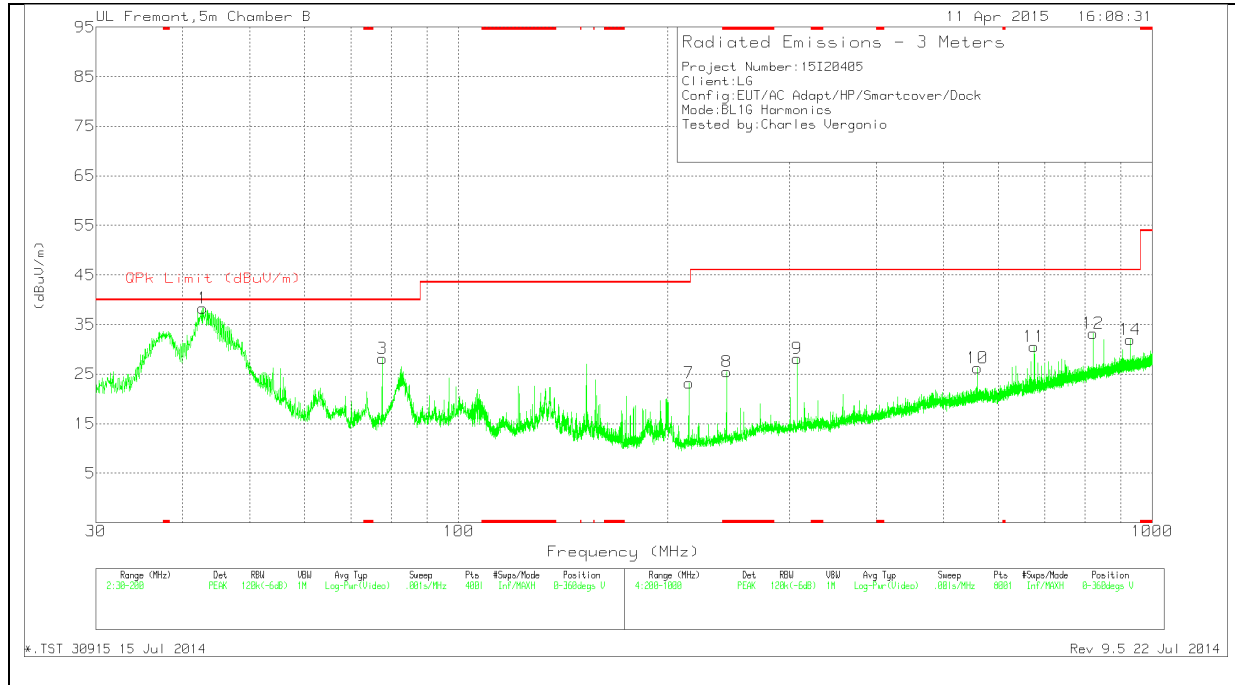
**Below 1G Data**

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
6	* 120.61	42.77	PK	14.1	-27.9	28.97	43.52	-14.55	0-360	101	V
9	* 247.4	44.51	PK	11.6	-26.5	29.61	46.02	-16.41	0-360	101	V
1	36.885	44.09	PK	16.2	-28.8	31.49	40	-8.51	0-360	101	V
2	40.115	45.53	PK	14	-28.8	30.73	40	-9.27	0-360	101	V
3	53.97	47.18	PK	7.4	-28.6	25.98	40	-14.02	0-360	101	V
4	56.1375	48.59	PK	7.3	-28.6	27.29	40	-12.71	0-360	300	H
5	65.7425	48.63	PK	7.9	-28.5	28.03	40	-11.97	0-360	400	H
7	157.5	41.4	PK	12.3	-27.4	26.3	43.52	-17.22	0-360	200	H
8	221.4	46.03	PK	10.7	-26.7	30.03	46.02	-15.99	0-360	300	V
10	560	32.72	PK	18.7	-25.6	25.82	46.02	-20.2	0-360	101	V
11	676	35.1	PK	19.9	-24.8	30.2	46.02	-15.82	0-360	200	V

**SPURIOUS EMISSIONS 30 TO 1000 MHz (SMART COVER WITH DOCK CONFIGURATION, HORIZONTAL)**



**SPURIOUS EMISSIONS 30 TO 1000 MHz (SMART COVER WITH DOCK CONFIGURATION, VERTICAL)**



**Below 1G Data**

**Trace Markers**

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	* 117.3375	48.77	PK	13.8	-27.9	34.67	43.52	-8.85	0-360	200	H
5	* 123.5425	48.39	PK	14.2	-27.8	34.79	43.52	-8.73	0-360	200	H
8	* 243.4	40.37	PK	11.6	-26.5	25.47	46.02	-20.55	0-360	300	V
1	42.7925	54.89	PK	12.1	-28.7	38.29	40	-1.71	0-360	101	V
2	67.1875	52.03	PK	8	-28.5	31.53	40	-8.47	0-360	400	H
3	77.6	48.71	PK	7.7	-28.3	28.11	40	-11.89	0-360	101	V
6	156.5225	42.74	PK	12.3	-27.4	27.64	43.52	-15.88	0-360	300	H
7	214.8	39.37	PK	10.6	-26.8	23.17	43.52	-20.35	0-360	200	V
9	307.4	40.44	PK	13.7	-26	28.14	46.02	-17.88	0-360	200	V
10	560	33.12	PK	18.7	-25.6	26.22	46.02	-19.8	0-360	101	V
11	676	35.47	PK	19.9	-24.8	30.57	46.02	-15.45	0-360	300	V
12	821.9	35.16	PK	21.7	-23.6	33.26	46.02	-12.76	0-360	101	V
13	848	35.42	PK	22	-23.4	34.02	46.02	-12	0-360	200	H
14	930	31.91	PK	22.7	-22.7	31.91	46.02	-14.11	0-360	101	V

\* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-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
42.893	50.56	QP	12	-28.7	33.86	40	-6.14	341	117	V

\* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

QP - Quasi-Peak detector

### 13. AC POWER LINE CONDUCTED EMISSIONS

#### LIMITS

FCC §15.207 (a)

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

\* Decreases with the logarithm of the frequency.

#### 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.

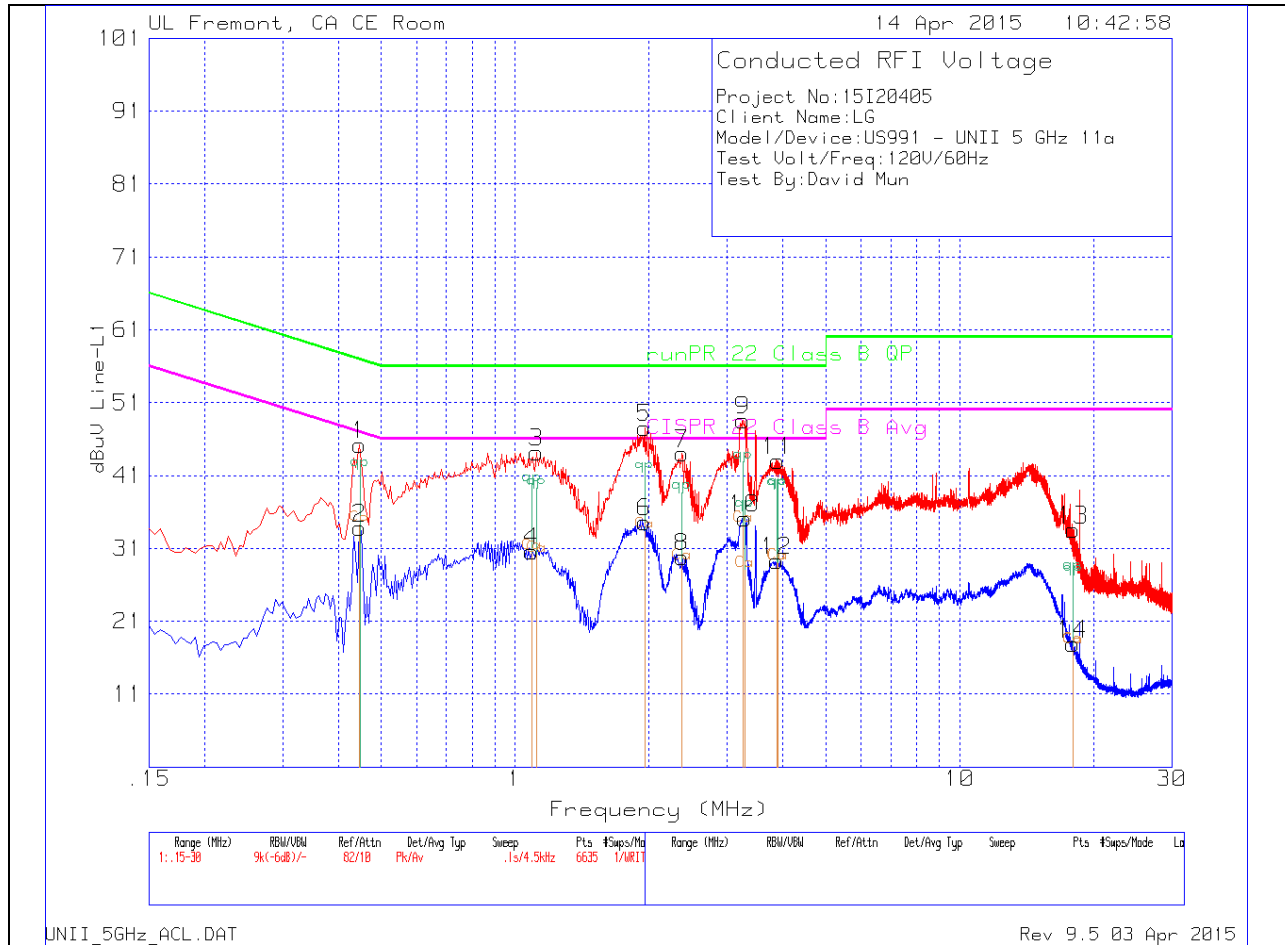
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

#### RESULTS

**6 WORST EMISSIONS**

**LINE 1 PLOT**



### LINE 1 RESULTS

#### Trace Markers

Range 1: Line-L1 .15 - 30MHz

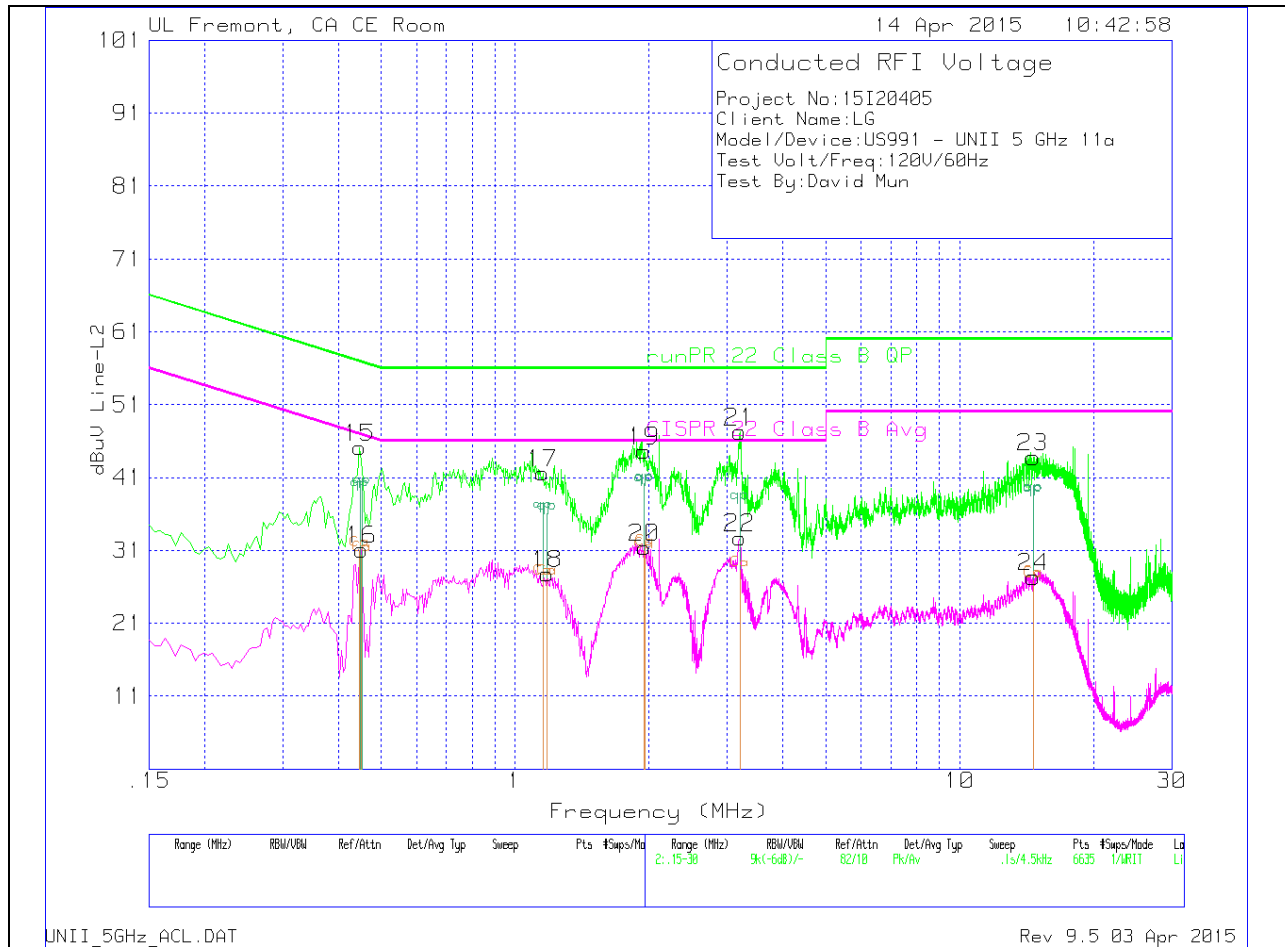
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1	LC Cables 1&3	Corrected Reading dBuV	runPR 22 Class B QP	Margin (dB)	CISPR 22 Class B Avg	Margin (dB)
1	.447	44.81	Pk	.4	0	45.21	56.93	-11.72		
2	.447	33.39	Av	.4	0	33.79	-	-	46.93	-13.14
3	1.1175	43.97	Pk	.2	0	44.17	56	-11.83		
4	1.0905	30.41	Av	.2	0	30.61	-	-	46	-15.39
5	1.9545	47.23	Pk	.2	.1	47.53	56	-8.47		
6	1.9545	34.31	Av	.2	.1	34.61	-	-	46	-11.39
7	2.373	43.69	Pk	.2	.1	43.99	56	-12.01		
8	2.373	29.52	Av	.2	.1	29.82	-	-	46	-16.18
9	3.255	48.27	Pk	.2	.1	48.57	56	-7.43		
10	3.282	34.83	Av	.2	.1	35.13	-	-	46	-10.87
11	3.8985	42.69	Pk	.2	.1	42.99	56	-13.01		
12	3.876	28.98	Av	.2	.1	29.28	-	-	46	-16.72
13	17.997	33.01	Pk	.3	.2	33.51	60	-26.49		
14	17.9565	17.36	Av	.3	.2	17.86	-	-	50	-32.14

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	runPR 22 Class B QP	Margin (dB)	CISPR 22 Class B Avg	Margin (dB)
15	.447	44.73	Pk	.4	0	45.13	56.93	-11.8		
16	.4515	30.68	Av	.4	0	31.08	-	-	46.85	-15.77
17	1.1535	41.32	Pk	.3	0	41.62	56	-14.38		
18	1.1805	27.47	Av	.3	0	27.77	-	-	46	-18.23
19	1.95	44.33	Pk	.2	.1	44.63	56	-11.37		
20	1.9545	31.09	Av	.2	.1	31.39	-	-	46	-14.61
21	3.201	46.95	Pk	.2	.1	47.25	56	-8.75		
22	3.201	32.42	Av	.2	.1	32.72	-	-	46	-13.28
23	14.622	43.39	Pk	.2	.2	43.79	60	-16.21		
24	14.6355	26.95	Av	.2	.2	27.35	-	-	50	-22.65

Pk - Peak detector  
 Av - Average detection