

### LOW CHANNEL DATA

#### Trace Markers

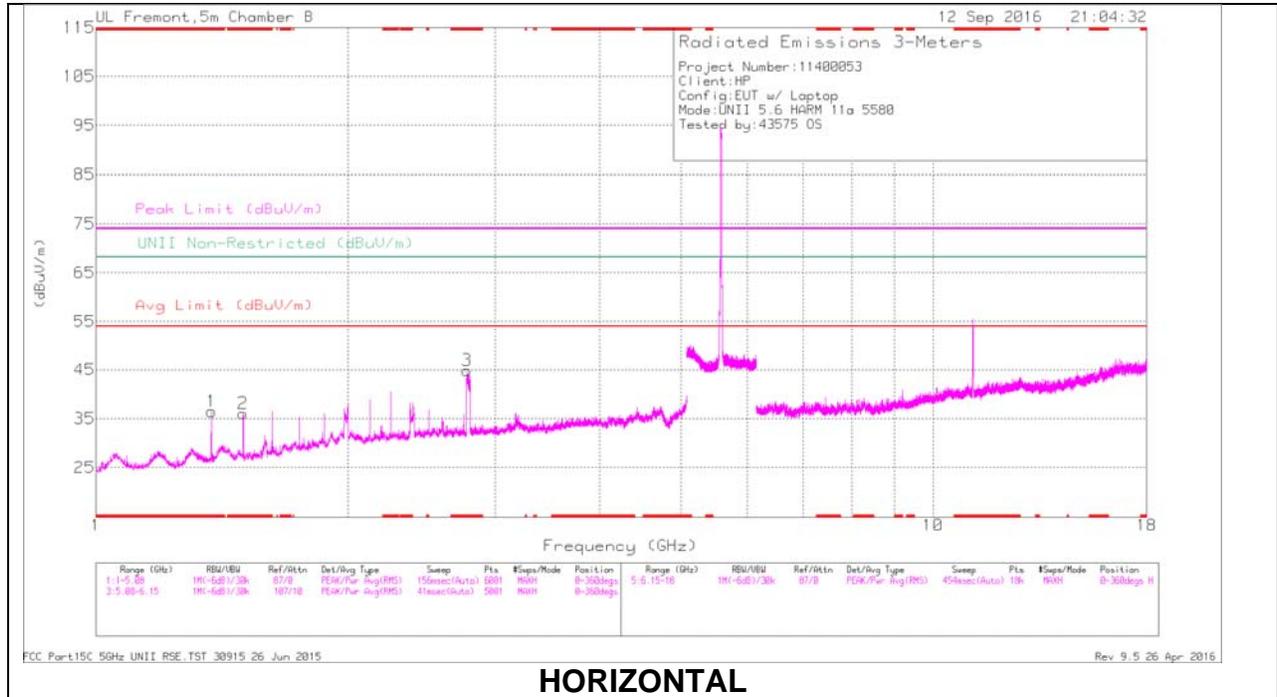
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/CbFtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.796	51.91	PK-U	32.4	-34.3	50.01	-	-	74	-23.99	-	-	39	155	H
	* 2.796	38.17	ADR	32.4	-34.3	36.27	54	-17.73	-	-	-	-	39	155	H
2	* 1.5	50.87	PK-U	27.8	-35.6	43.07	-	-	74	-30.93	-	-	144	356	H
	* 1.5	49.25	ADR	27.8	-35.6	37.45	54	-16.55	-	-	-	-	144	356	H
4	* 1.375	47.76	PK-U	28.9	-35.1	41.56	-	-	74	-32.44	-	-	158	358	H
	* 1.375	41.86	ADR	28.9	-35.1	35.66	54	-18.34	-	-	-	-	158	358	H
3	* 2.25	51.71	PK-U	31.5	-34.1	49.11	-	-	74	-24.89	-	-	215	210	V
	* 2.25	46.53	ADR	31.5	-34.1	43.93	54	-10.07	-	-	-	-	215	210	V
6	* 11.001	49.25	PK-U	37.9	-24.9	62.25	-	-	74	-11.75	-	-	248	245	V
	* 11	39.05	ADR	37.9	-24.9	52.05	54	-1.95	-	-	-	-	248	245	V
5	* 7.333	40.57	PK-U	35.6	-29.7	46.47	-	-	74	-27.53	-	-	323	103	V
	* 7.333	34.89	ADR	35.6	-29.7	40.79	54	-13.21	-	-	-	-	323	103	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

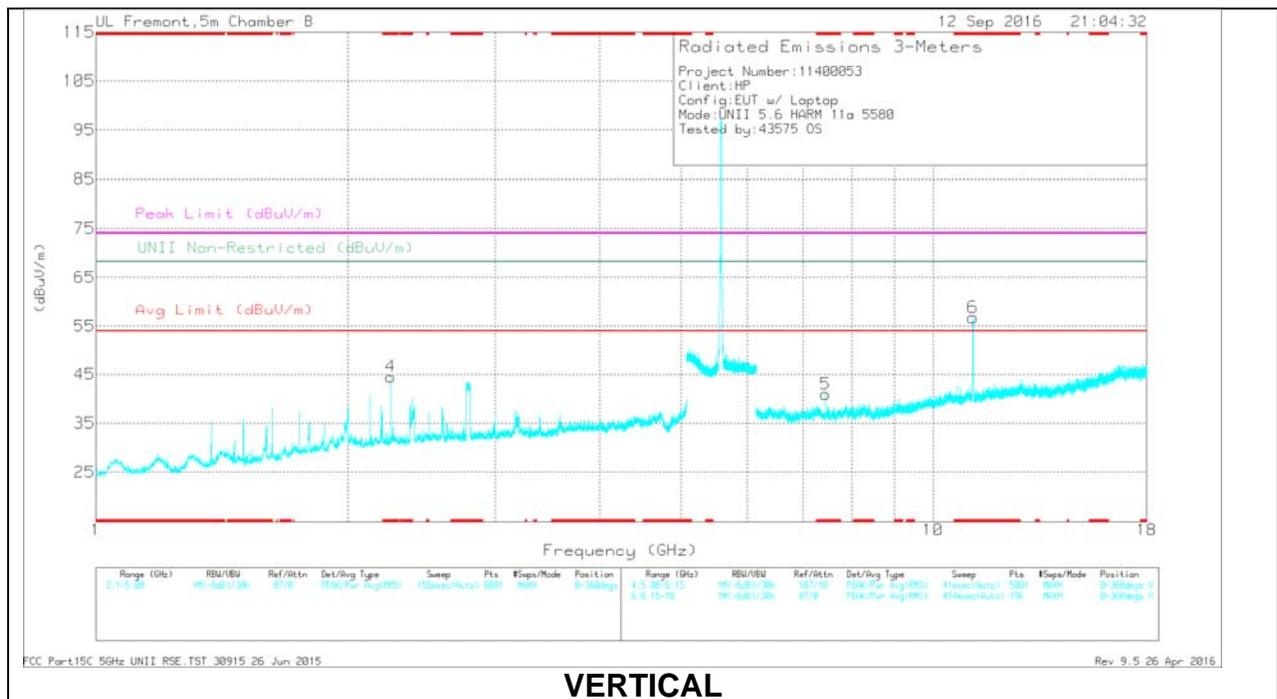
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### MID CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

### MID CHANNEL DATA

#### Trace Markers

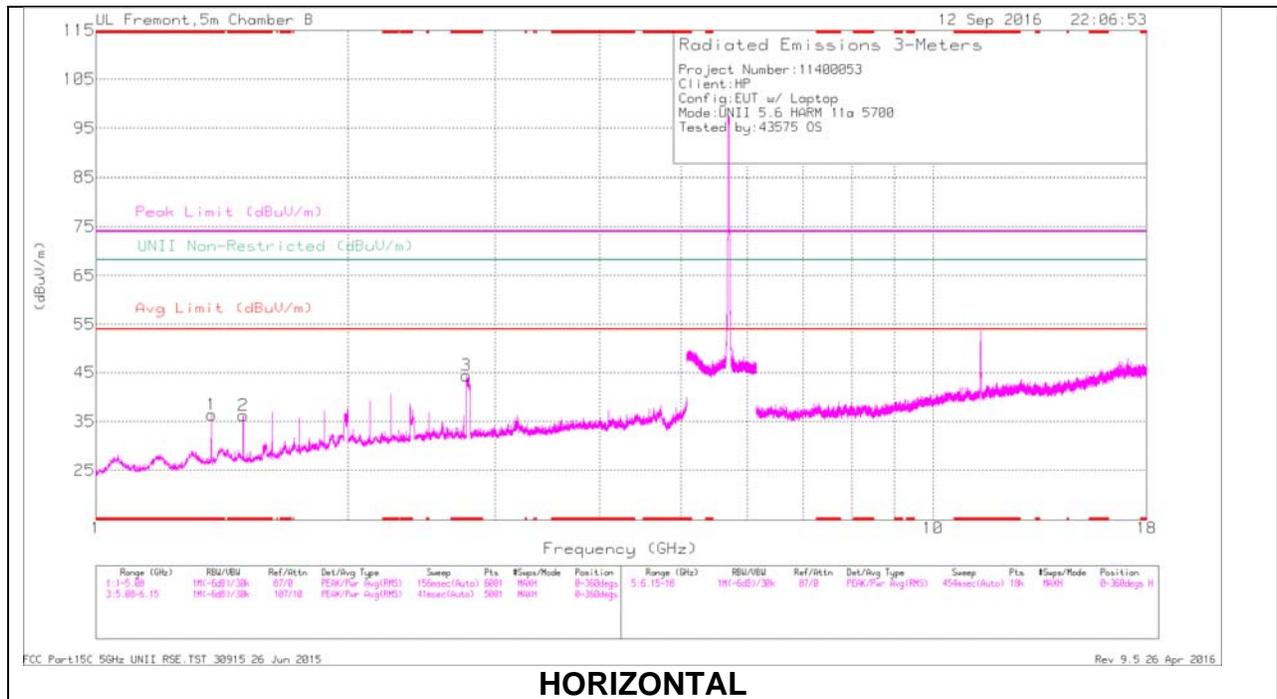
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/CbFtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.775	52.95	PK-U	32.4	-34.4	50.95	-	-	74	-23.05	-	-	45	195	H
	* 2.777	39.49	ADR	32.4	-34.4	37.49	54	-16.51	-	-	-	-	45	195	H
2	* 1.5	49.51	PK-U	27.8	-35.6	41.71	-	-	74	-32.29	-	-	175	303	H
	* 1.5	42.27	ADR	27.8	-35.6	34.47	54	-19.53	-	-	-	-	175	303	H
3	* 1.375	47.34	PK-U	28.9	-35.1	41.14	-	-	74	-32.86	-	-	164	234	H
	* 1.375	41.64	ADR	28.9	-35.1	35.44	54	-18.56	-	-	-	-	164	234	H
4	* 2.25	51.7	PK-U	31.5	-34.1	49.1	-	-	74	-24.9	-	-	213	211	V
	* 2.25	46.34	ADR	31.5	-34.1	43.74	54	-10.26	-	-	-	-	213	211	V
6	* 11.162	51.51	PK-U	38	-26.1	63.41	-	-	74	-10.59	-	-	254	200	V
	* 11.162	41.38	ADR	38	-26.1	53.28	54	-7.2	-	-	-	-	254	200	V
5	* 7.44	40.46	PK-U	35.6	-30.4	45.66	-	-	74	-28.34	-	-	276	262	V
	* 7.44	34.66	ADR	35.6	-30.4	39.86	54	-14.14	-	-	-	-	276	262	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

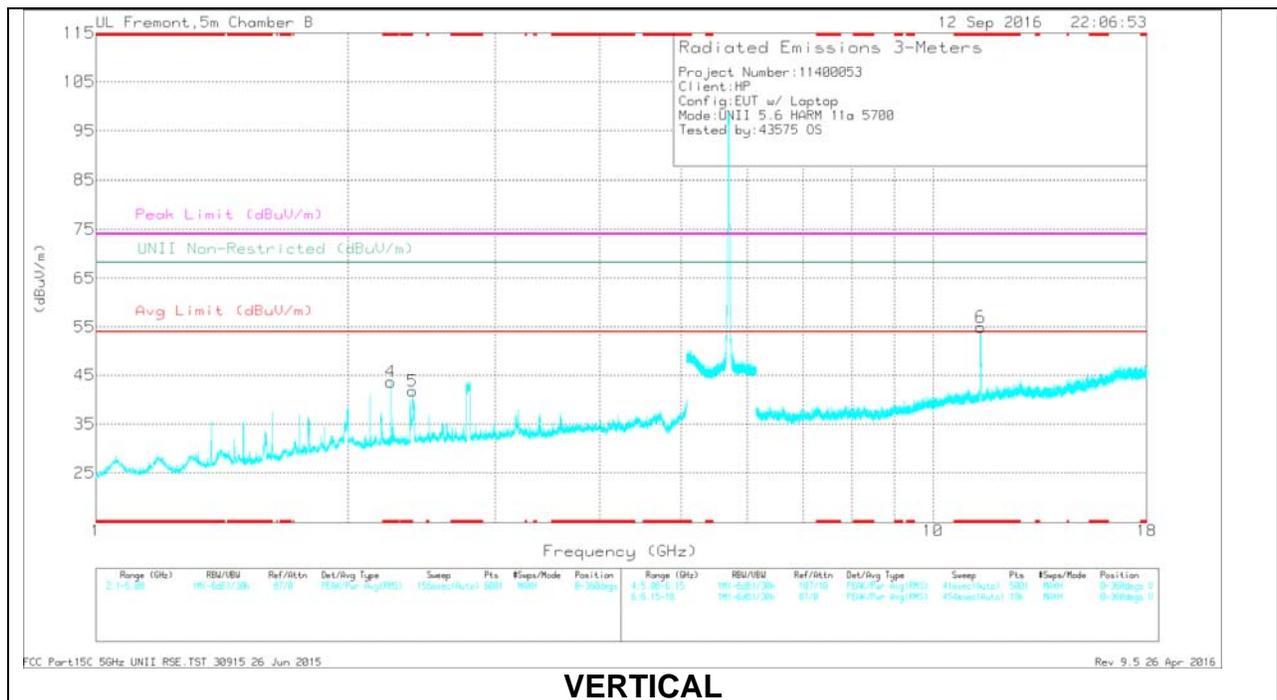
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### HIGH CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

## HIGH CHANNEL DATA

### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/CbFtr/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	* 2.771	52.86	PK-U	32.4	-34.4	50.86	-	-	74	-23.14	-	-	49	217	H
	* 2.773	39.23	ADR	32.4	-34.4	37.23	54	-16.77	-	-	-	-	49	217	H
2	* 1.5	49.71	PK-U	27.8	-35.6	41.91	-	-	74	-32.09	-	-	176	303	H
	* 1.5	42.1	ADR	27.8	-35.6	34.3	54	-19.7	-	-	-	-	176	303	H
3	* 1.375	46.78	PK-U	28.9	-35.1	40.58	-	-	74	-33.42	-	-	165	366	H
	* 1.375	40.67	ADR	28.9	-35.1	34.47	54	-19.53	-	-	-	-	165	366	H
4	* 2.25	51.2	PK-U	31.5	-34.1	48.6	-	-	74	-25.4	-	-	212	191	V
	* 2.25	45.63	ADR	31.5	-34.1	43.03	54	-10.97	-	-	-	-	212	191	V
6	* 11.401	48.78	PK-U	38.2	-26.1	60.88	-	-	74	-13.12	-	-	250	217	V
	* 11.4	38.81	ADR	38.2	-26.1	50.91	54	-3.09	-	-	-	-	250	217	V
5	2.392	50.38	PK-U	32.1	-34.6	47.88	-	-	-	-	68.2	-20.32	224	191	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

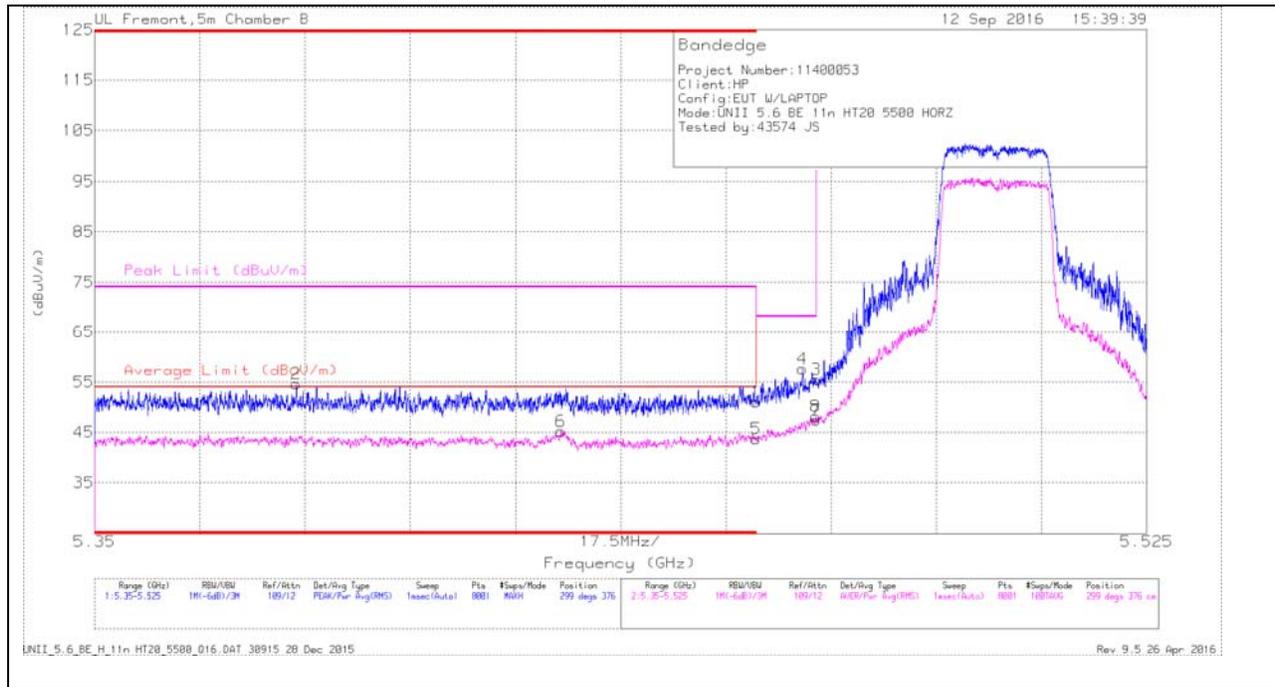
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### 5.2.8. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.6 GHz BAND

#### RESTRICTED BANDEDGE (LOW CHANNEL)

#### HORIZONTAL RESULTS

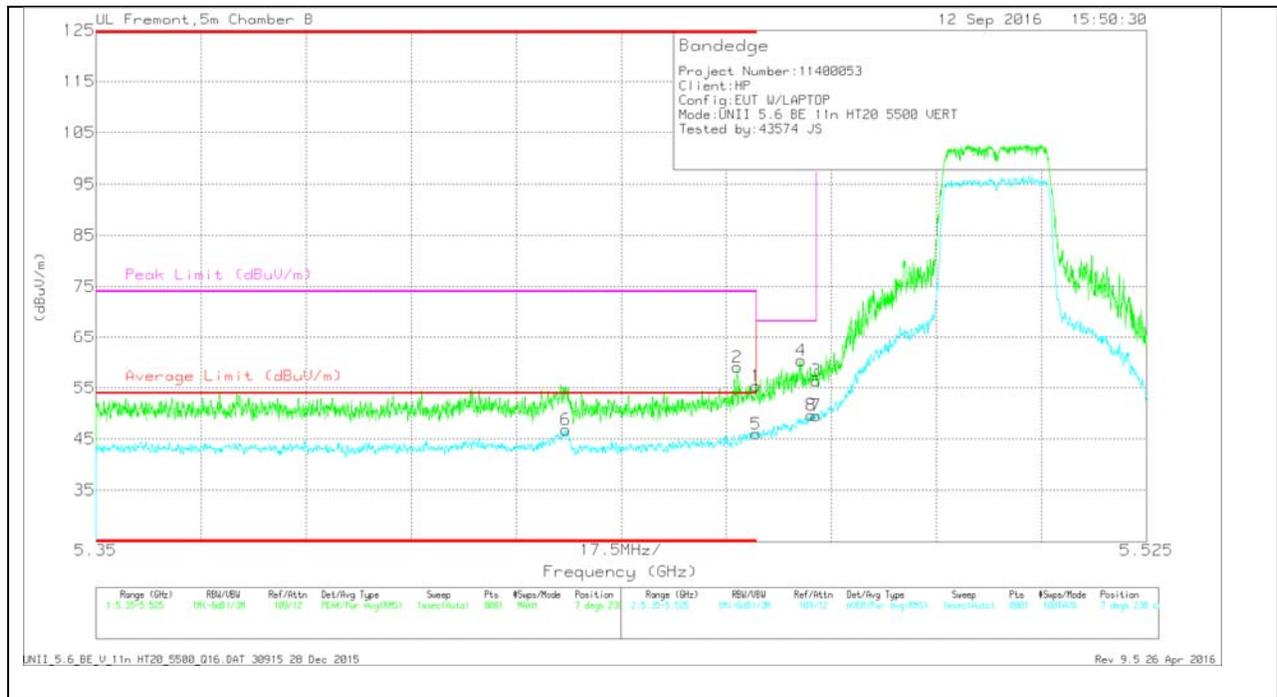


#### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cb1/Filt/P ad (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	37.52	Pk	34.5	-21	51.02	-	-	74	-22.98	299	376	H
2	* 5.384	40.12	Pk	34.5	-20	54.62	-	-	74	-19.38	299	376	H
5	* 5.46	30.23	RMS	34.5	-21	43.73	54	-10.27	-	-	299	376	H
6	* 5.428	31.39	RMS	34.5	-20.7	45.19	54	-8.81	-	-	299	376	H
4	5.468	43.93	Pk	34.5	-20.8	57.63	-	-	68.2	-10.57	299	376	H
3	5.47	41.92	Pk	34.5	-20.9	55.52	-	-	68.2	-12.68	299	376	H
7	5.47	33.82	RMS	34.5	-20.9	47.42	-	-	-	-	299	376	H
8	5.47	34.47	RMS	34.5	-20.8	48.17	-	-	-	-	299	376	H

PK - Peak detector  
 RMS - RMS detection

### VERTICAL RESULTS



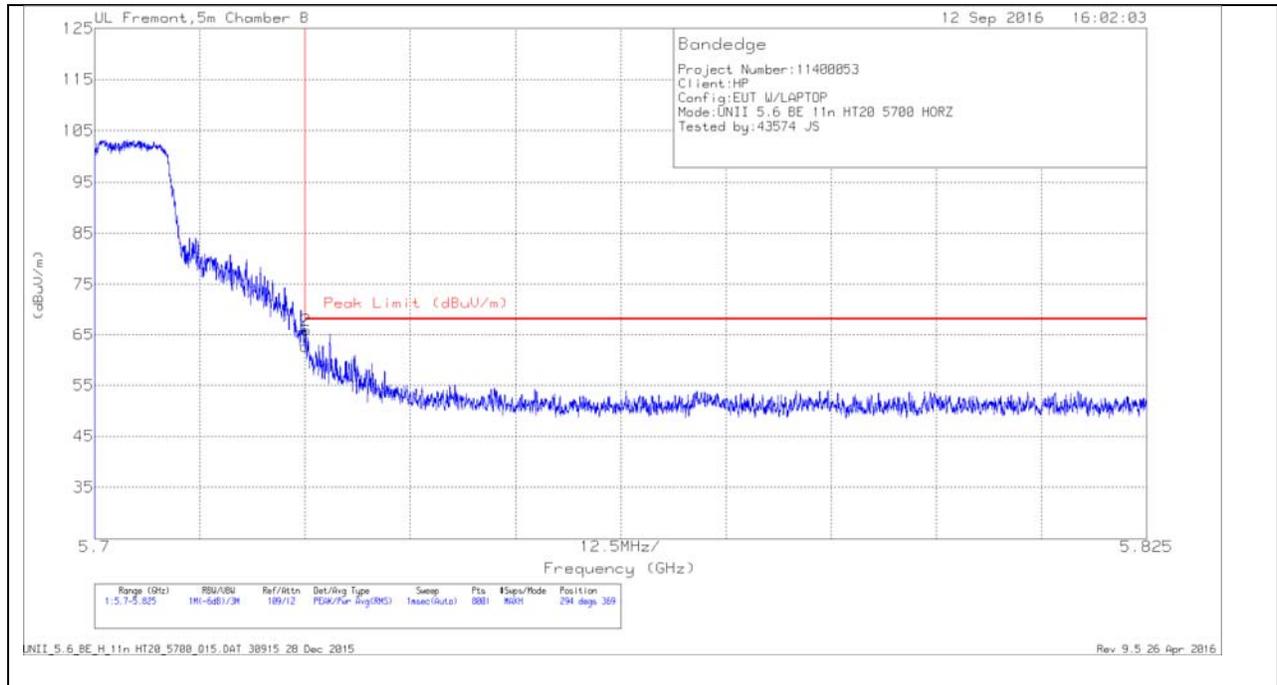
### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Filtr/P ad (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	41.87	Pk	34.5	-21	55.37	-	-	74	-18.63	7	238	V
2	* 5.457	45.38	Pk	34.5	-20.8	59.08	-	-	74	-14.92	7	238	V
5	* 5.46	32.49	RMS	34.5	-21	45.99	54	-8.01	-	-	7	238	V
6	* 5.428	33.1	RMS	34.5	-20.8	46.8	54	-7.2	-	-	7	238	V
4	5.467	46.67	Pk	34.5	-20.8	60.37	-	-	68.2	-7.83	7	238	V
8	5.469	35.88	RMS	34.5	-20.7	49.68	-	-	-	-	7	238	V
3	5.47	42.82	Pk	34.5	-20.9	56.42	-	-	68.2	-11.78	7	238	V
7	5.47	35.95	RMS	34.5	-20.9	49.55	-	-	-	-	7	238	V

Pk - Peak detector  
 RMS - RMS detection

**AUTHORIZED BANDEGE (HIGH CHANNEL)**

**HORIZONTAL RESULTS**

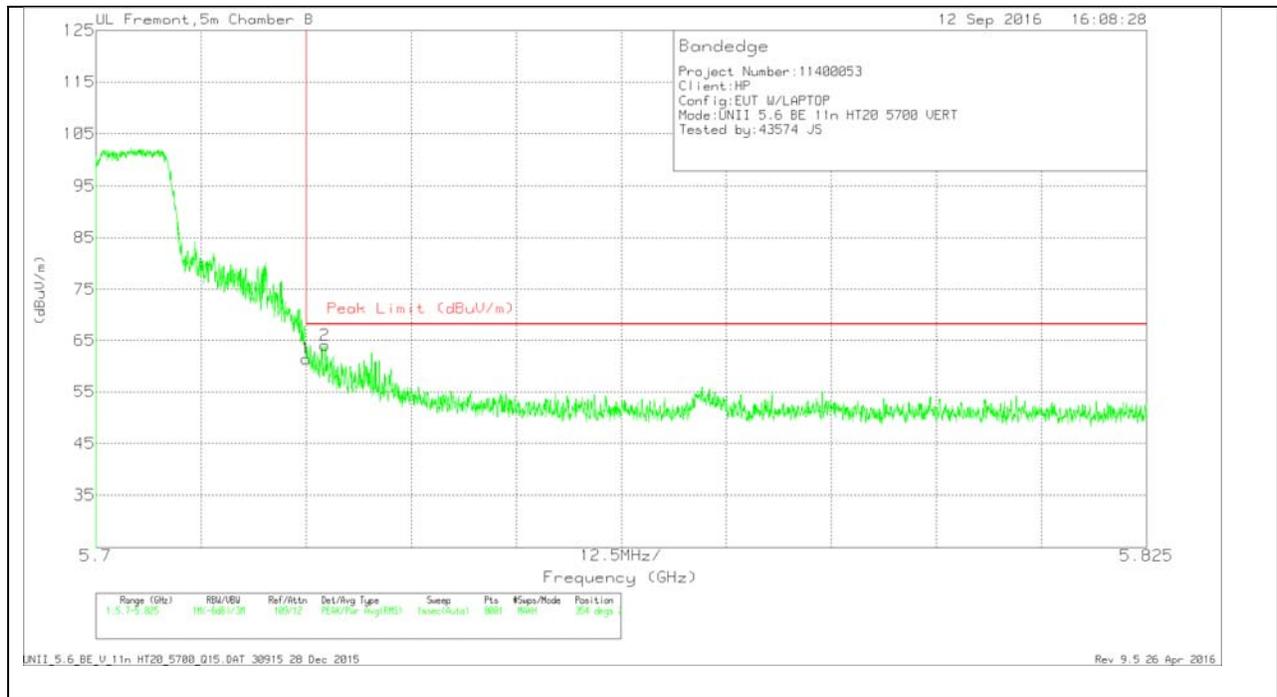


**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cb/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	49.39	Pk	34.9	-21.7	62.59	68.2	-5.61	294	369	H
2	5.725	52.75	Pk	34.9	-21.7	65.95	68.2	-2.25	294	369	H

Pk - Peak detector

### VERTICAL RESULTS



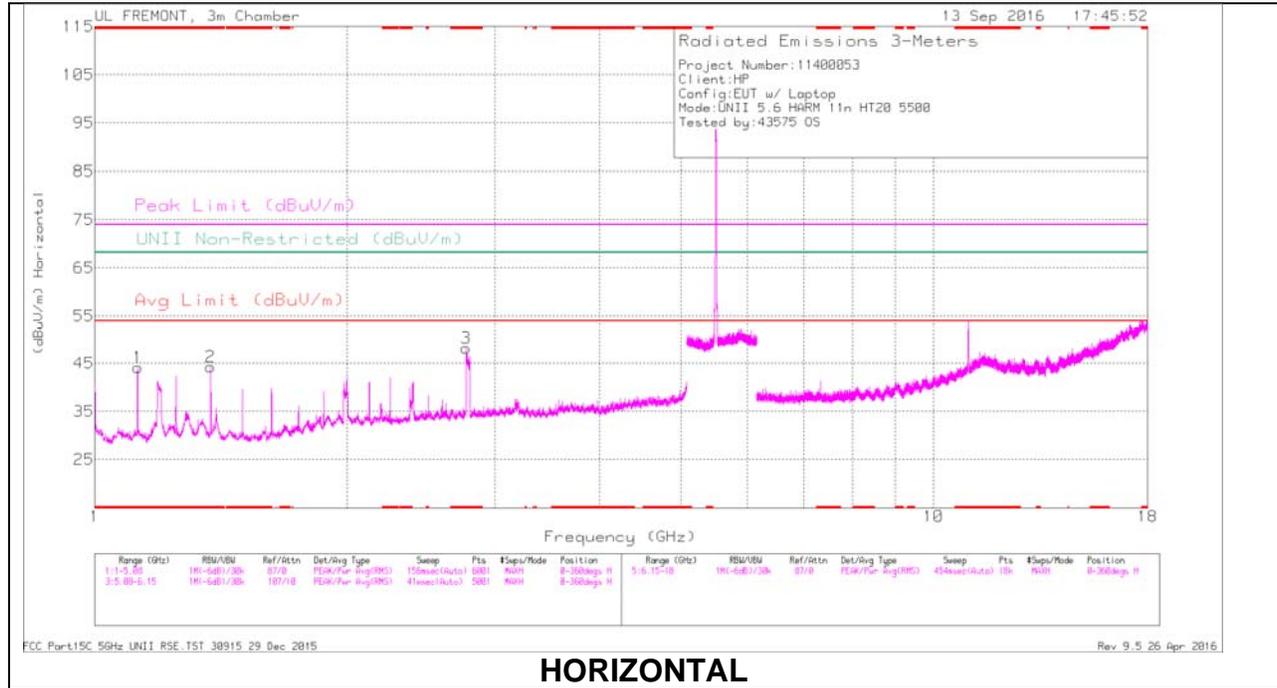
### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cb/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	48.22	Pk	34.9	-21.7	61.42	68.2	-6.78	354	263	V
2	5.727	50.66	Pk	34.9	-21.5	64.06	68.2	-4.14	354	263	V

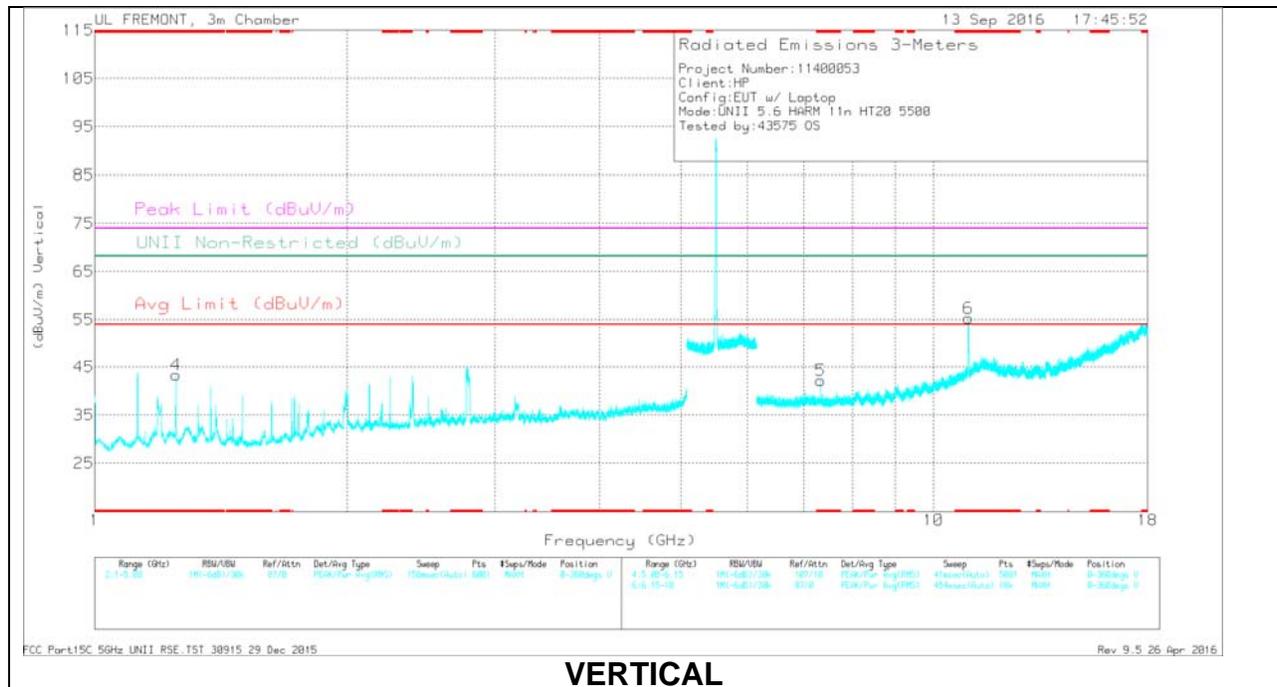
Pk - Peak detector

**HARMONICS AND SPURIOUS EMISSIONS**

**LOW CHANNEL RESULTS**



**HORIZONTAL**



**VERTICAL**

### LOW CHANNEL DATA

#### Trace Markers

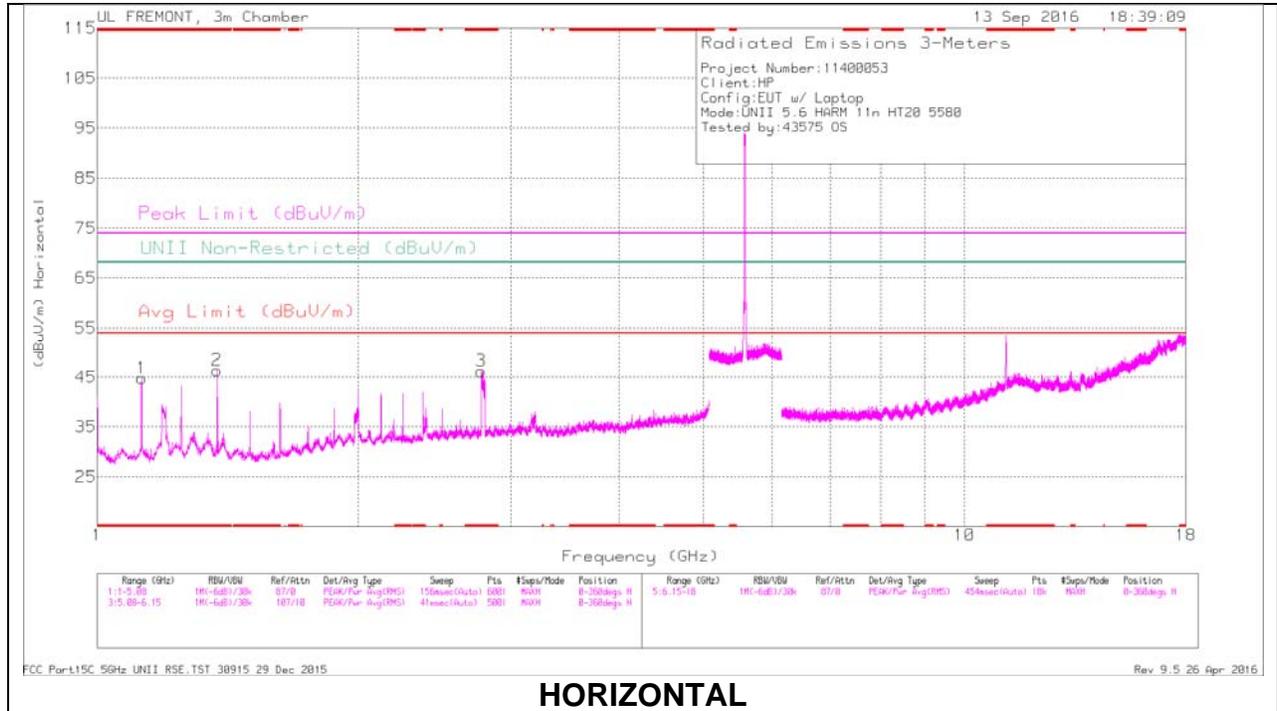
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dBm)	Amp/Cbfltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.774	50.5	PK-U	32.6	-30	53.1	-	-	74	-20.9	-	-	270	291	H
	* 2.773	36.13	ADR	32.6	-30	38.73	54	-15.27	-	-	-	-	270	291	H
2	* 1.375	51.92	PK-U	29.1	-31	50.02	-	-	74	-23.98	-	-	138	316	H
	* 1.375	47.9	ADR	29.1	-31	46	54	-8	-	-	-	-	138	316	H
3	* 1.125	51.52	PK-U	28.2	-31.7	48.02	-	-	74	-25.98	-	-	294	246	H
	* 1.125	46.55	ADR	28.2	-31.7	43.05	54	-10.95	-	-	-	-	294	246	H
4	* 1.25	51.17	PK-U	29.5	-31.9	48.77	-	-	74	-25.23	-	-	19	357	V
	* 1.25	45.06	ADR	29.5	-31.9	42.66	54	-11.34	-	-	-	-	19	357	V
6	* 1.1	43.79	PK-U	38	-18.1	63.69	-	-	74	-10.31	-	-	106	357	V
	* 1.1	32.89	ADR	38	-18.1	52.79	54	-1.21	-	-	-	-	106	357	V
5	* 7.333	37.18	PK-U	35.7	-24.7	48.18	-	-	74	-25.82	-	-	145	254	V
	* 7.333	29.92	ADR	35.7	-24.7	40.92	54	-13.08	-	-	-	-	145	254	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

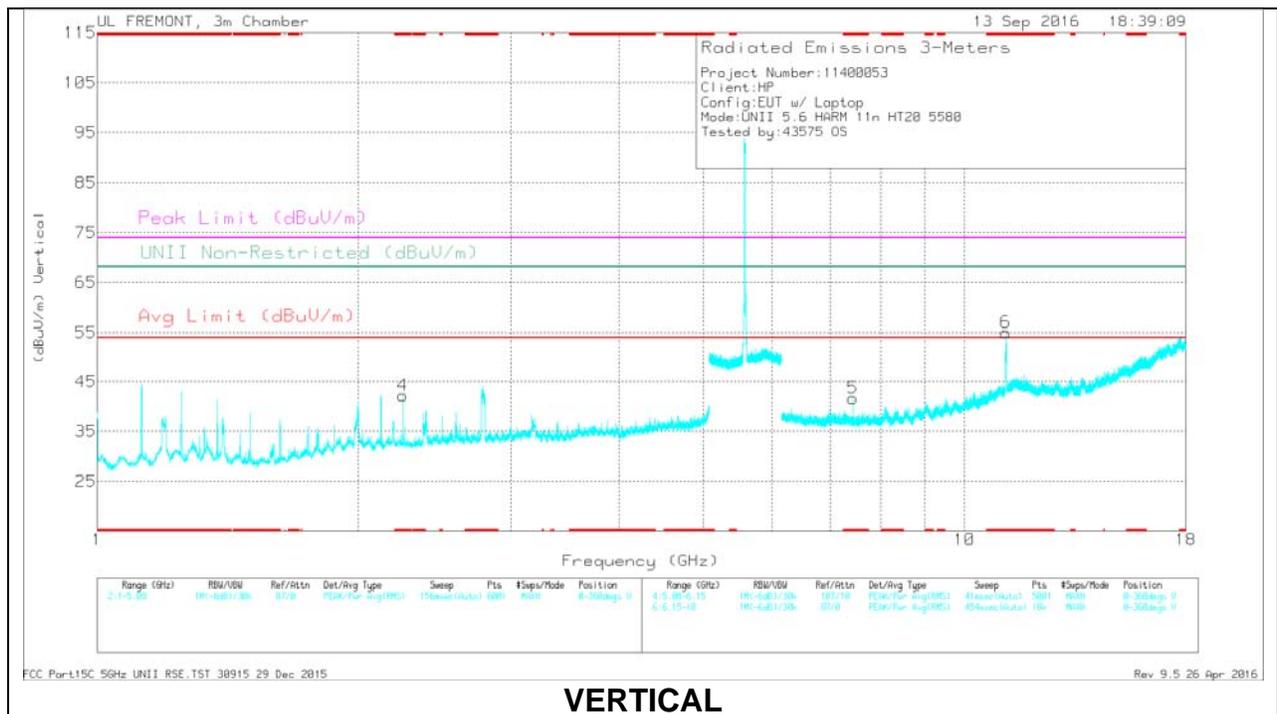
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### MID CHANNEL RESULTS



### HORIZONTAL



### VERTICAL

**MID CHANNEL DATA**

Trace Markers

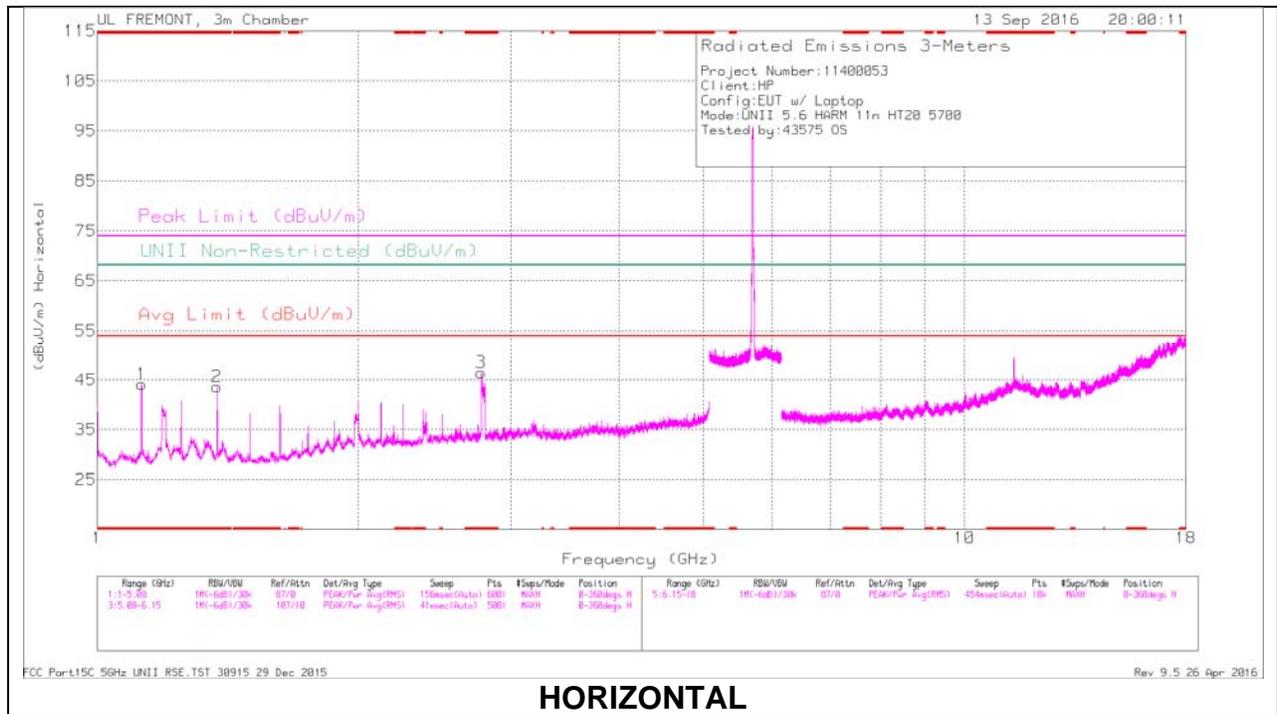
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/CbFtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.772	51.02	PK-U	32.6	-30	53.62	-	-	74	-20.38	-	-	261	243	H
	* 2.773	37.29	ADR	32.6	-30	39.89	54	-14.11	-	-	-	-	261	243	H
2	* 1.375	51.91	PK-U	29.1	-31	50.01	-	-	74	-23.99	-	-	317	382	H
	* 1.375	47.59	ADR	29.1	-31.1	45.59	54	-8.41	-	-	-	-	317	382	H
3	* 1.125	51.38	PK-U	28.2	-31.7	47.68	-	-	74	-26.12	-	-	307	243	H
	* 1.125	46.11	ADR	28.2	-31.7	42.61	54	-11.39	-	-	-	-	307	243	H
4	* 2.25	46.58	PK-U	31.7	-30.9	47.38	-	-	74	-26.62	-	-	81	282	V
	* 2.25	40.81	ADR	31.7	-30.9	41.61	54	-12.39	-	-	-	-	81	282	V
6	* 11.161	42.38	PK-U	38	-17.2	63.18	-	-	74	-10.82	-	-	104	357	V
	* 11.164	32.22	ADR	38	-17.1	53.12	54	-88	-	-	-	-	104	357	V
5	* 7.44	35.57	PK-U	35.7	-24.8	46.47	-	-	74	-27.53	-	-	131	306	V
	* 7.44	28.48	ADR	35.7	-24.8	39.38	54	-14.62	-	-	-	-	131	306	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

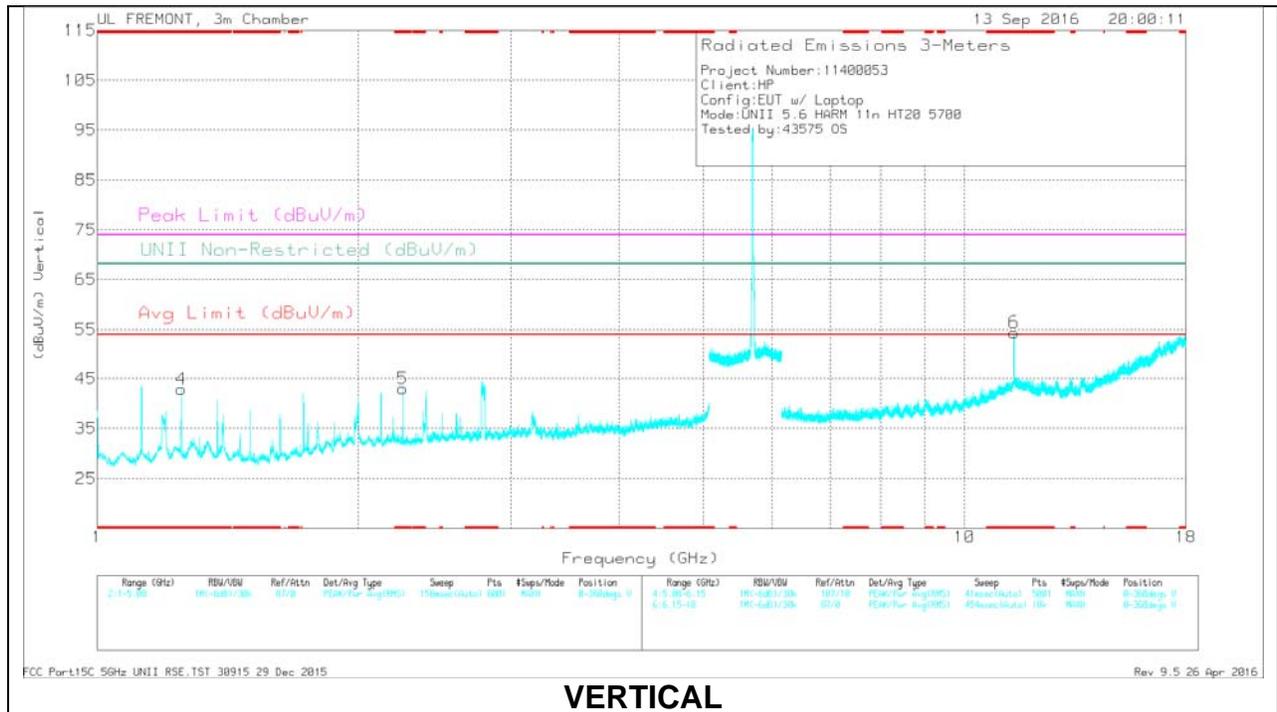
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### HIGH CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

### HIGH CHANNEL DATA

#### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/CbFtr/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	* 2.774	49.97	PK-U	32.6	-30	52.57	-	-	74	-21.43	-	-	268	357	H
	* 2.774	36.14	ADR	32.6	-30	38.74	54	-15.26	-	-	-	-	268	357	H
2	* 1.375	52	PK-U	29.1	-31.1	50	-	-	74	-24	-	-	315	363	H
	* 1.375	47.47	ADR	29.1	-31	48.57	54	-8.43	-	-	-	-	315	363	H
3	* 1.125	51.57	PK-U	28.2	-31.7	48.07	-	-	74	-25.93	-	-	303	208	H
	* 1.125	45.91	ADR	28.2	-31.7	42.41	54	-11.59	-	-	-	-	303	208	H
4	* 2.25	46.33	PK-U	31.7	-30.9	47.13	-	-	74	-26.87	-	-	70	285	V
	* 2.25	40.64	ADR	31.7	-30.9	41.44	54	-12.56	-	-	-	-	70	285	V
5	* 1.25	50.46	PK-U	29.5	-31.9	48.06	-	-	74	-25.94	-	-	16	231	V
	* 1.25	43.75	ADR	29.5	-31.9	41.35	54	-12.65	-	-	-	-	16	231	V
6	* 11.402	40.54	PK-U	38.4	-16.5	62.44	-	-	74	-11.56	-	-	111	353	V
	* 11.4	29.19	ADR	38.4	-16.5	51.09	54	-2.91	-	-	-	-	111	353	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

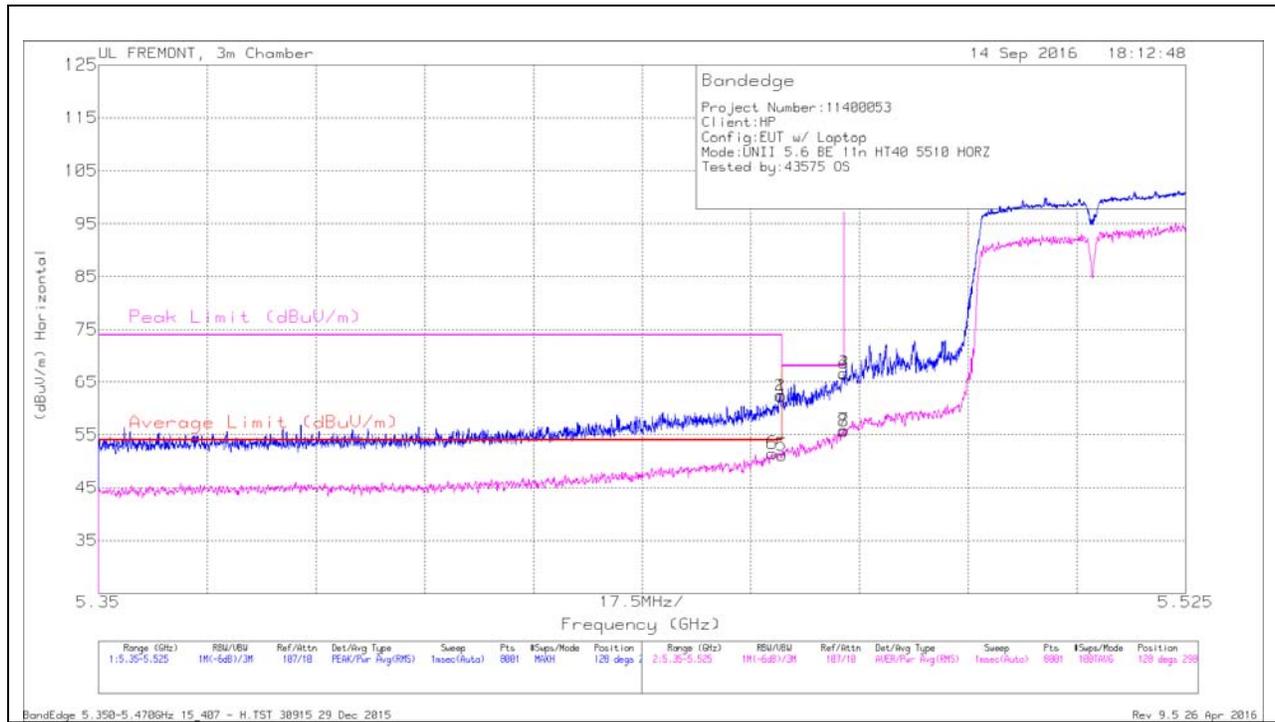
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### 5.2.9. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.6 GHz BAND

#### RESTRICTED BANDEDGE (LOW CHANNEL)

#### HORIZONTAL RESULTS

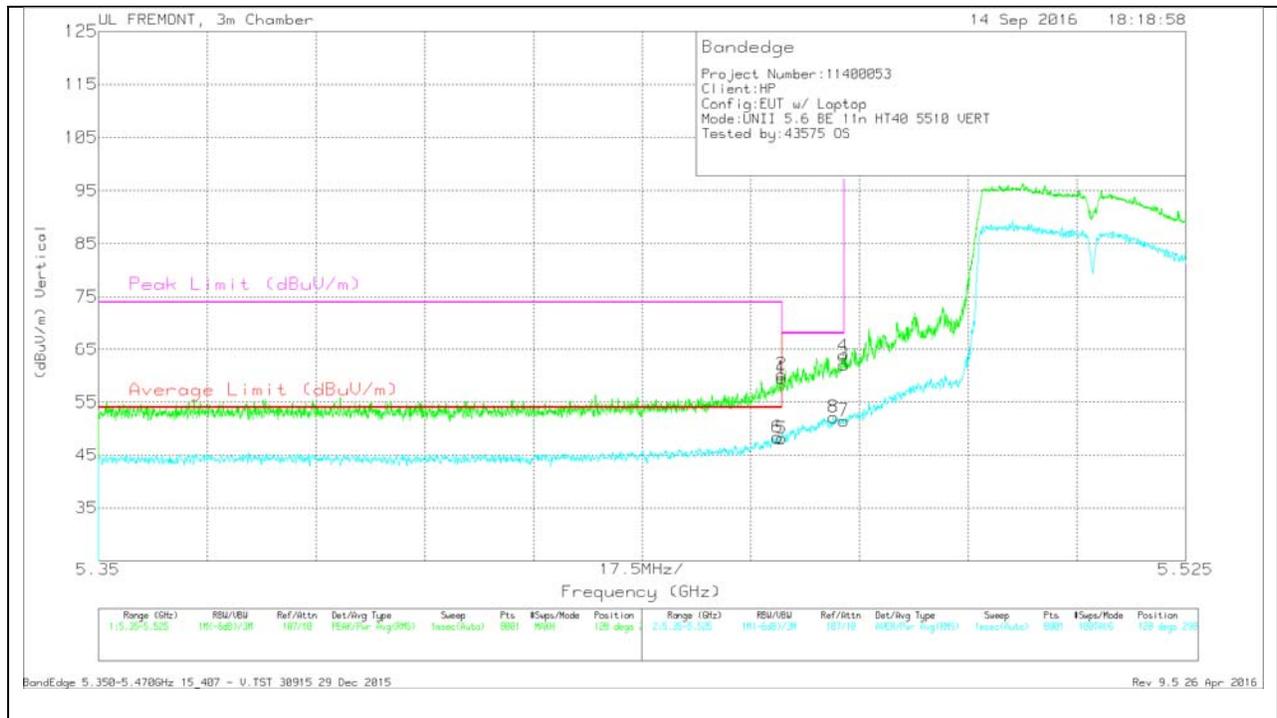


#### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/Fitr/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	5.458	35.26	RMS	34.6	-18.4	51.46	54	-2.54	-	-	128	298	H
1	5.46	46.24	Pk	34.6	-18.5	62.34	-	-	74	-11.66	128	298	H
2	5.46	46.28	Pk	34.6	-18.5	62.38	-	-	74	-11.62	128	298	H
5	5.46	34.99	RMS	34.6	-18.5	51.09	54	-2.91	-	-	128	298	H
3	5.47	50.71	Pk	34.6	-18.5	66.81	-	-	68.2	-1.39	128	298	H
4	5.47	50.68	Pk	34.6	-18.5	66.78	-	-	68.2	-1.42	128	298	H
7	5.47	39.75	RMS	34.6	-18.5	55.85	-	-	-	-	128	298	H
8	5.47	39.51	RMS	34.6	-18.5	55.61	-	-	-	-	128	298	H

Pk - Peak detector  
 RMS - RMS detection

### VERTICAL RESULTS



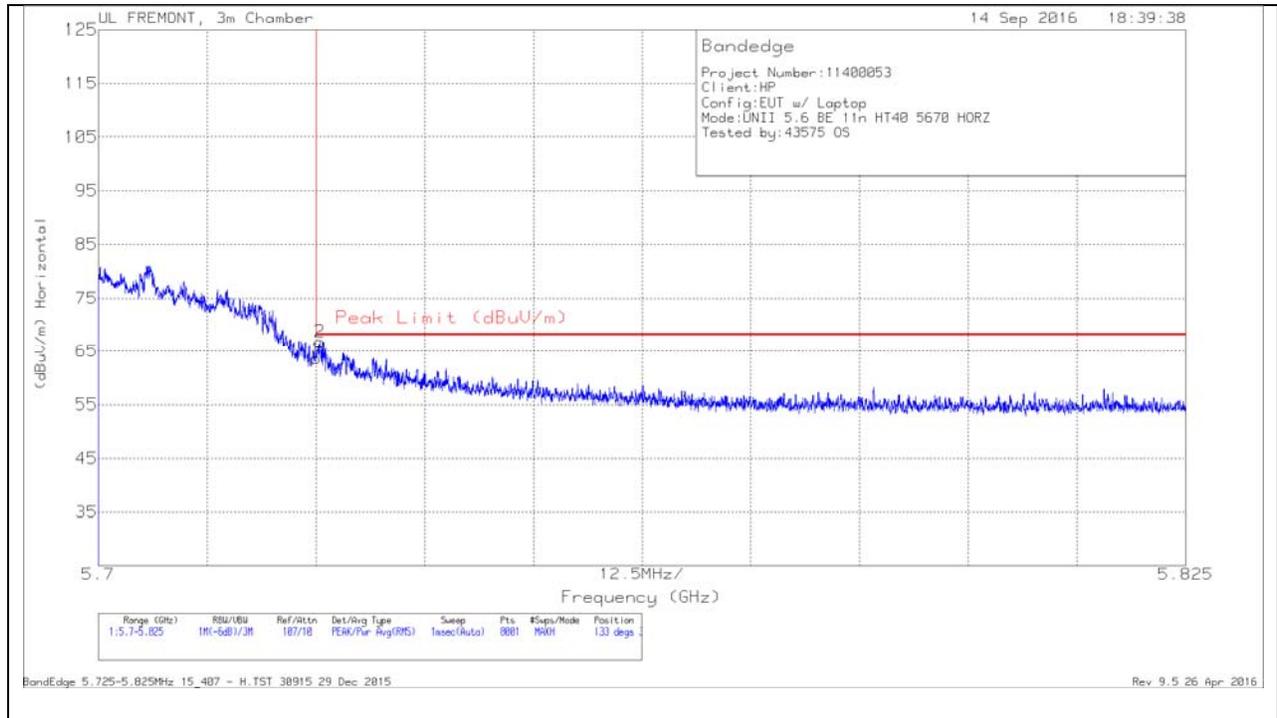
### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/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
6	5.459	32.12	RMS	34.6	-18.4	48.32	54	-5.68	-	-	128	298	V
1	5.46	43.42	Pk	34.6	-18.5	59.52	-	-	74	-14.48	128	298	V
2	5.46	44.09	Pk	34.6	-18.5	60.19	-	-	74	-13.81	128	298	V
5	5.46	32.04	RMS	34.6	-18.5	48.14	54	-5.86	-	-	128	298	V
8	5.468	36.02	RMS	34.6	-18.5	52.12	-	-	-	-	128	298	V
3	5.47	46.02	Pk	34.6	-18.5	62.12	-	-	68.2	-6.08	128	298	V
4	5.47	47.73	Pk	34.6	-18.5	63.83	-	-	68.2	-4.37	128	298	V
7	5.47	35.35	RMS	34.6	-18.5	51.45	-	-	-	-	128	298	V

PK - Peak detector  
 RMS - RMS detection

**AUTHORIZED BANDEGE (HIGH CHANNEL)**

**HORIZONTAL RESULTS**

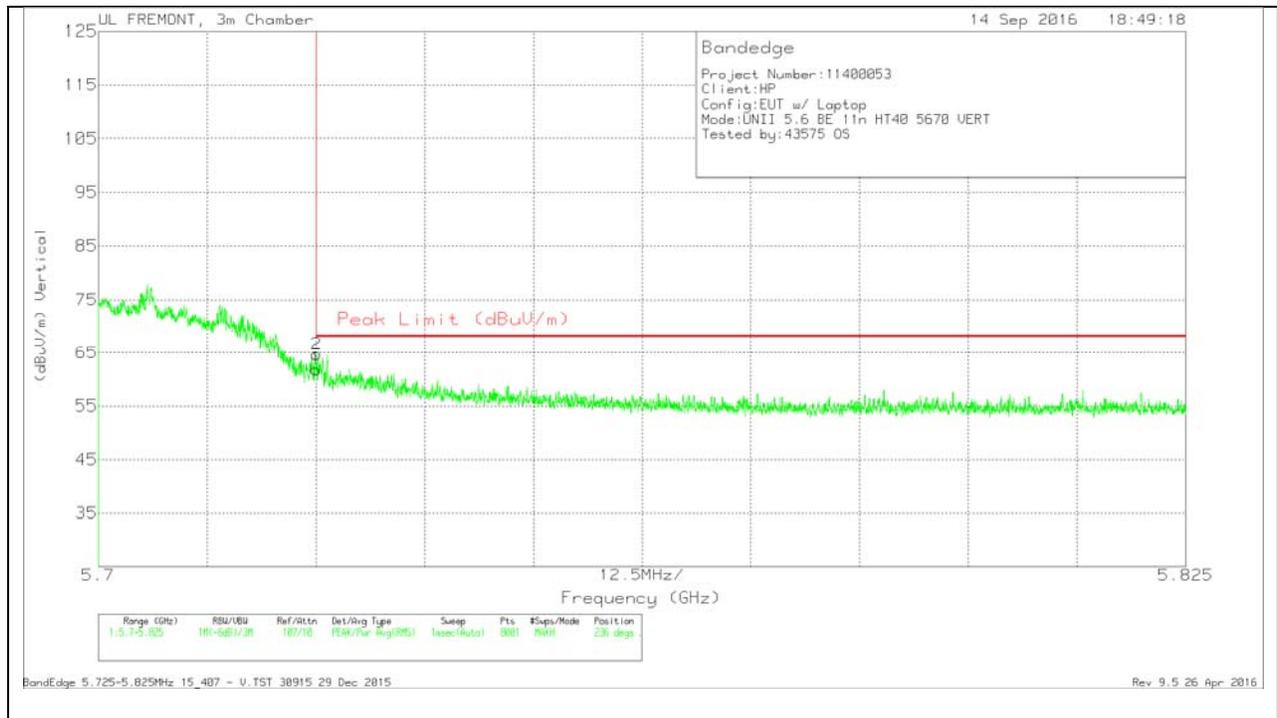


**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	47.3	Pk	34.8	-18.5	63.6	68.2	-4.6	133	323	H
2	5.725	50.51	Pk	34.8	-18.5	66.81	68.2	-1.39	133	323	H

Pk - Peak detector

### VERTICAL RESULTS



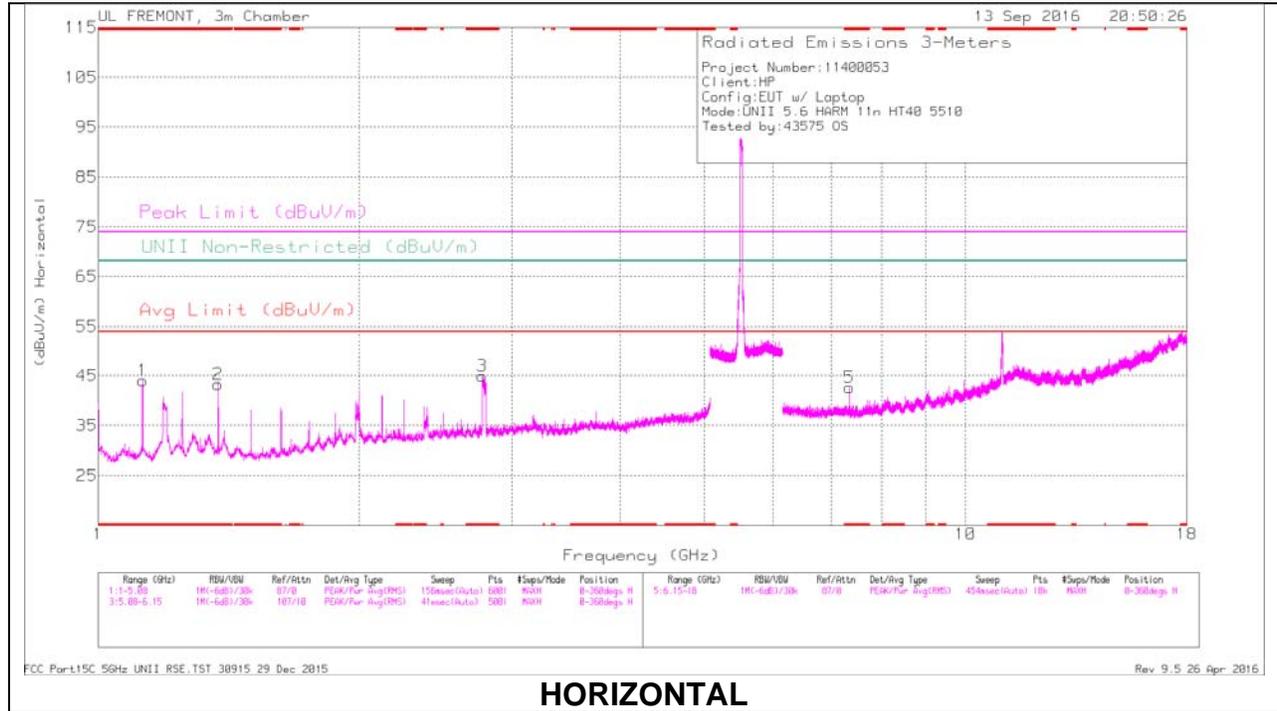
### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	45.62	Pk	34.8	-18.5	61.92	68.2	-6.28	236	316	V
2	5.725	48.45	Pk	34.8	-18.5	64.75	68.2	-3.45	236	316	V

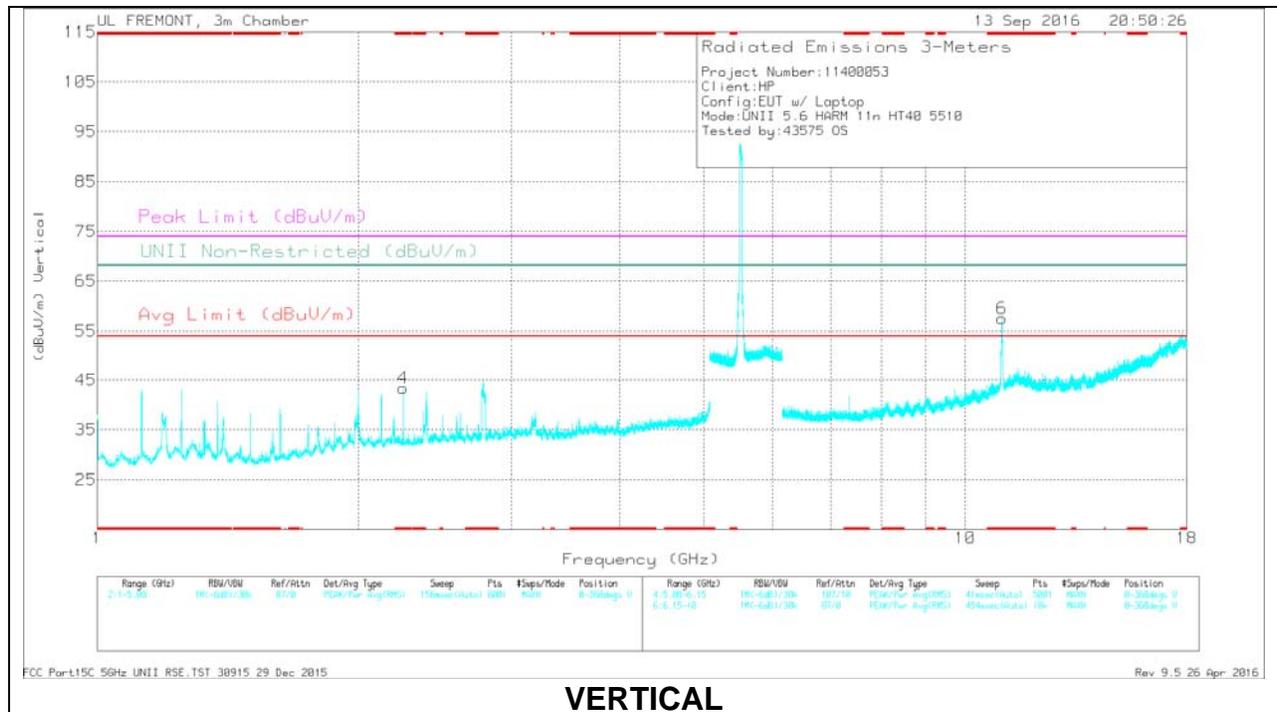
Pk - Peak detector

**HARMONICS AND SPURIOUS EMISSIONS**

**LOW CHANNEL RESULTS**



**HORIZONTAL**



**VERTICAL**

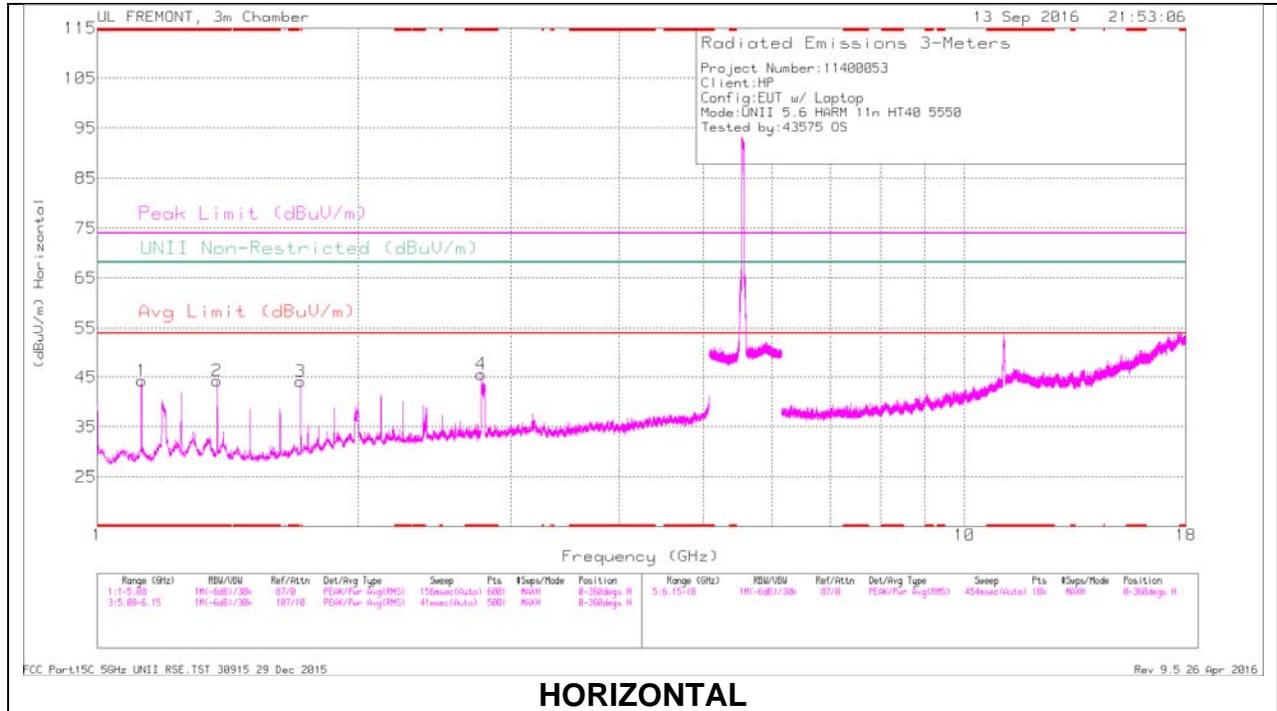
### LOW CHANNEL DATA

#### Trace Markers

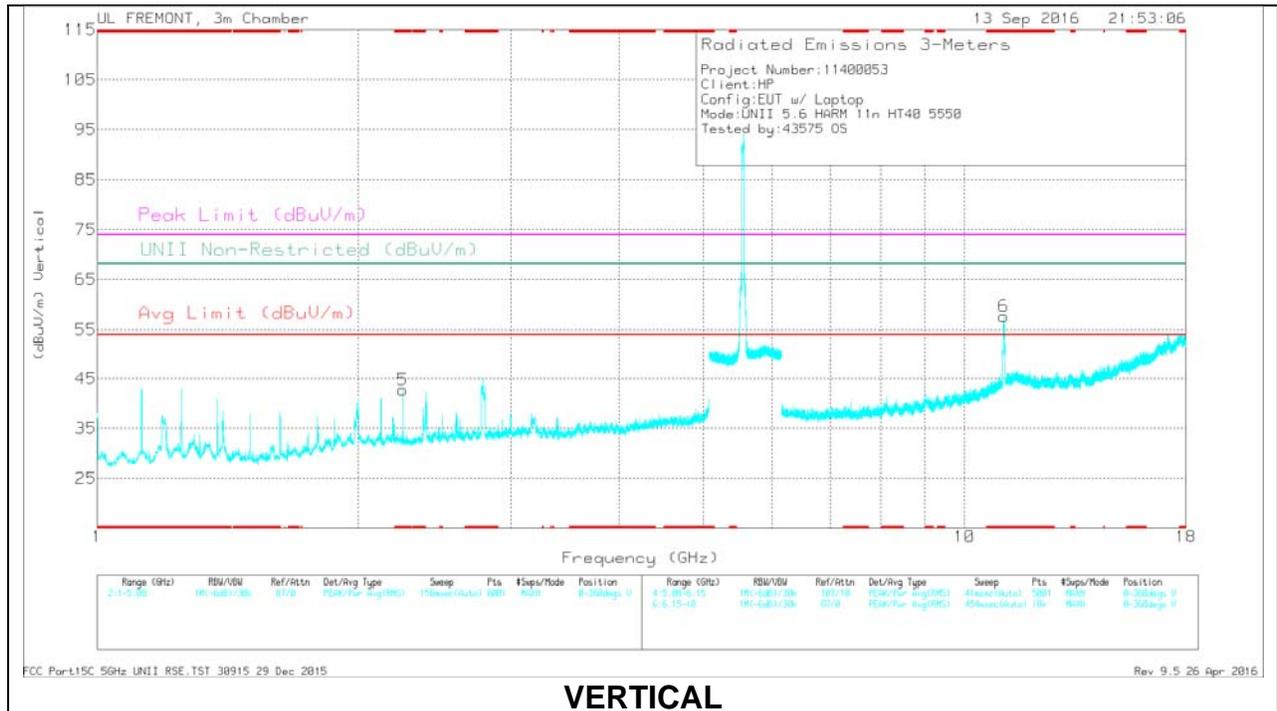
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filt/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
* 2.774	49.75	PK-U	32.6	-30	52.35	-	-	74	-21.65	-	-	270	358	H
* 2.775	36.02	ADR	32.6	-30	38.62	54	-15.38	-	-	-	-	270	358	H
* 1.375	52.31	PK-U	29.1	-31	50.41	-	-	74	-23.59	-	-	320	362	H
* 1.375	47.79	ADR	29.1	-31	45.89	54	-8.11	-	-	-	-	320	362	H
* 1.125	51.84	PK-U	28.2	-31.7	48.34	-	-	74	-25.66	-	-	302	244	H
* 1.125	46.02	ADR	28.2	-31.7	42.52	54	-11.48	-	-	-	-	302	244	H
* 2.25	47.04	PK-U	31.7	-30.9	47.84	-	-	74	-26.16	-	-	78	284	V
* 2.25	41.46	ADR	31.7	-30.9	42.26	54	-11.74	-	-	-	-	78	284	V
* 7.347	38.32	PK-U	35.8	-25.1	49.02	-	-	74	-24.98	-	-	181	240	H
* 7.347	33.53	ADR	35.8	-25.1	44.23	54	-9.77	-	-	-	-	181	240	H
* 11.019	43.21	PK-U	38	-17.8	63.41	-	-	74	-10.59	-	-	106	339	V
* 11.02	33.13	ADR	38	-17.8	53.33	54	-6.7	-	-	-	-	106	339	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK-U - U-NII: Maximum Peak  
 ADR - U-NII AD primary method, RMS average

### MID CHANNEL RESULTS



### HORIZONTAL



### VERTICAL

**MID CHANNEL DATA**

Trace Markers

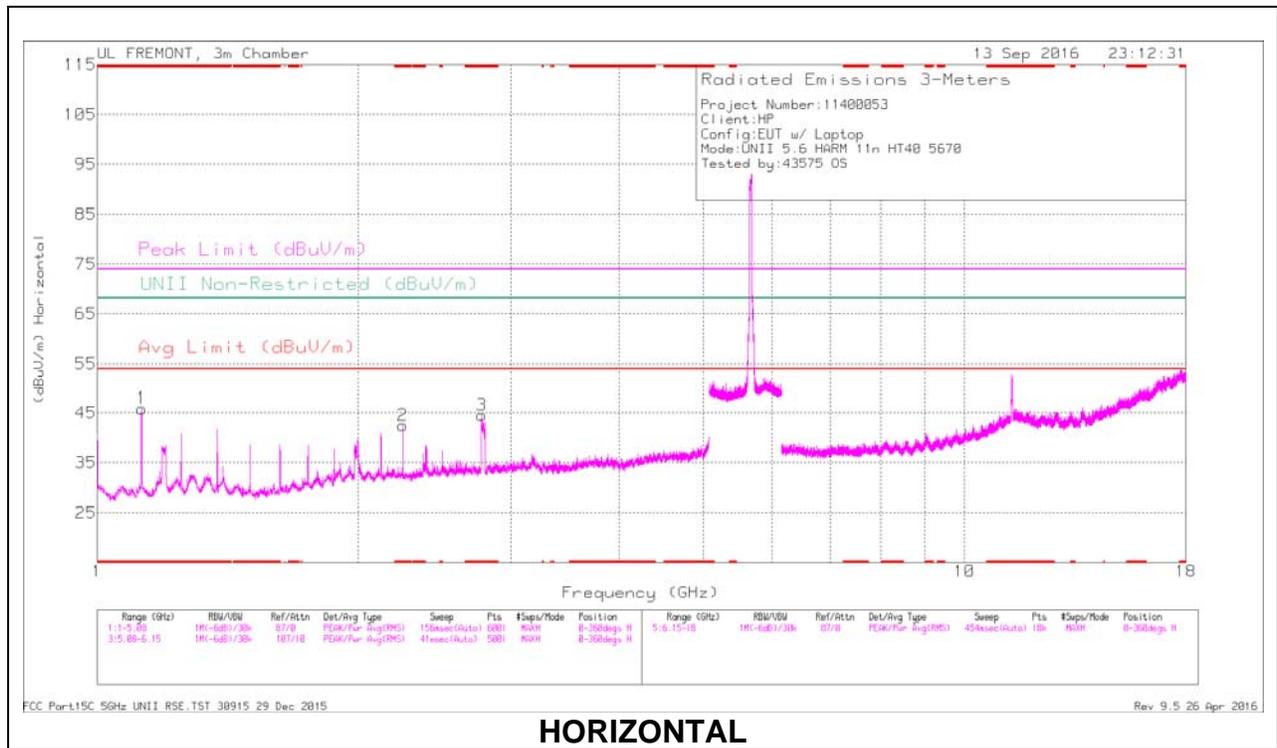
Marker	Frequency (GHz)	Meter Reading (dBuv)	Det	AF119 (dB/m)	Amp/CM/Hz/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.772	50.44	PK-U	32.6	-30	53.04	-	-	74	-20.96	-	-	269	320	H
	* 2.773	36.32	ADR	32.6	-30	38.92	54	-15.08	-	-	-	-	269	320	H
2	* 1.375	49.88	PK-U	29.1	-31.1	47.88	-	-	74	-26.12	-	-	71	295	H
	* 1.375	45.42	ADR	29.1	-31	43.52	54	-10.48	-	-	-	-	71	295	H
4	* 1.125	51.58	PK-U	28.2	-31.7	48.08	-	-	74	-25.92	-	-	299	209	H
	* 1.125	46.65	ADR	28.2	-31.7	43.15	54	-10.85	-	-	-	-	299	209	H
5	* 2.25	46.22	PK-U	31.7	-30.9	47.02	-	-	74	-26.98	-	-	192	265	V
	* 2.25	38.77	ADR	31.7	-30.9	39.57	54	-14.43	-	-	-	-	192	265	V
6	* 11.099	43.3	PK-U	37.9	-18.1	63.1	-	-	74	-10.9	-	-	101	163	V
	* 11.1	33.21	ADR	37.9	-18	53.11	54	-.89	-	-	-	-	101	163	V
3	1.718	39.05	PK-U	29.2	-31.4	36.85	-	-	-	-	68.2	-31.35	49	171	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

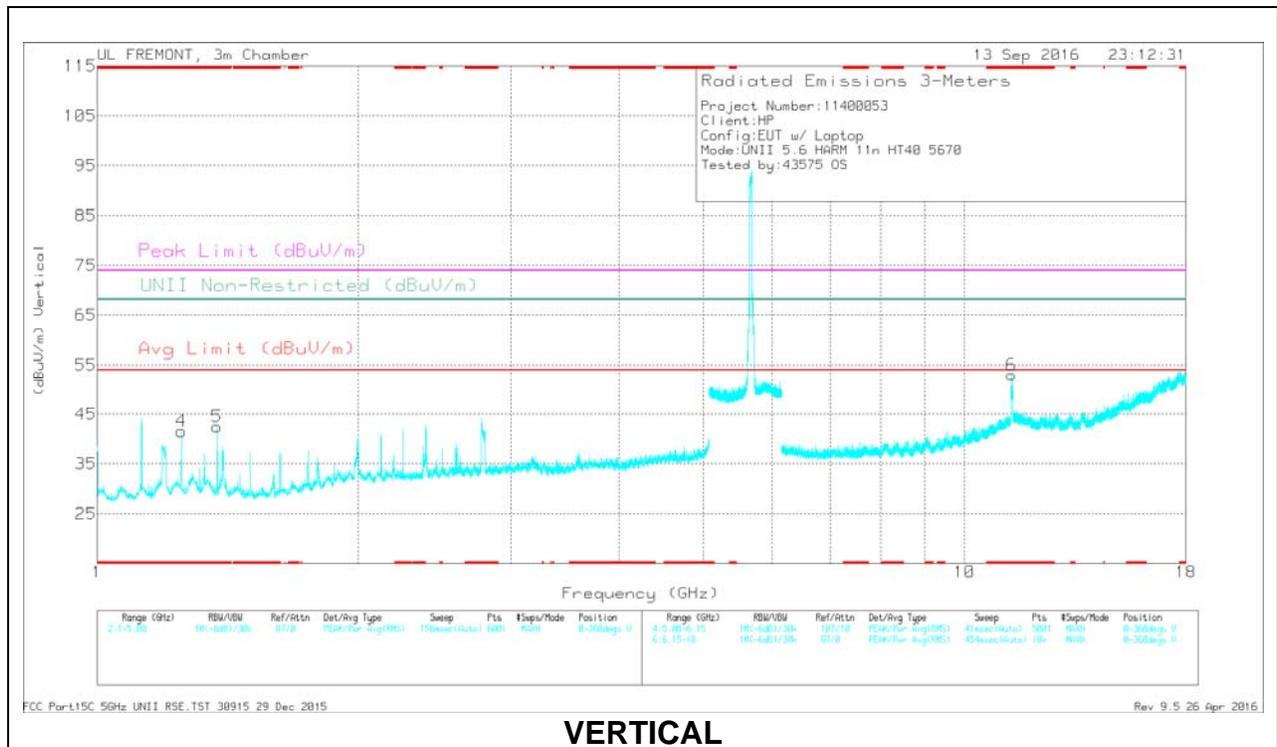
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### HIGH CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

## HIGH CHANNEL DATA

### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	* 2.773	49.95	PK-U	32.6	-30	52.55	-	-	74	-21.45	-	-	302	279	H
	* 2.773	36.72	ADR	32.6	-30	39.32	54	-14.68	-	-	-	-	302	279	H
2	* 2.25	46.75	PK-U	31.7	-30.9	47.55	-	-	74	-26.45	-	-	68	267	H
	* 2.25	41.28	ADR	31.7	-30.9	42.08	54	-11.92	-	-	-	-	68	267	H
3	* 1.125	54.64	PK-U	28.2	-31.7	51.14	-	-	74	-22.86	-	-	82	297	H
	* 1.125	50.66	ADR	28.2	-31.7	47.16	54	-6.84	-	-	-	-	82	297	H
4	* 1.375	49.51	PK-U	29.1	-31	47.61	-	-	74	-26.39	-	-	34	295	V
	* 1.375	45.34	ADR	29.1	-31	43.44	54	-10.56	-	-	-	-	34	295	V
5	* 1.25	50.7	PK-U	29.5	-31.9	48.3	-	-	74	-25.7	-	-	45	371	V
	* 1.25	45.75	ADR	29.5	-31.9	43.35	54	-10.65	-	-	-	-	45	371	V
6	* 11.336	34.84	PK-U	38.3	-16.9	56.24	-	-	74	-17.76	-	-	89	371	V
	* 11.336	24.57	ADR	38.3	-16.9	45.97	54	-8.03	-	-	-	-	89	371	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

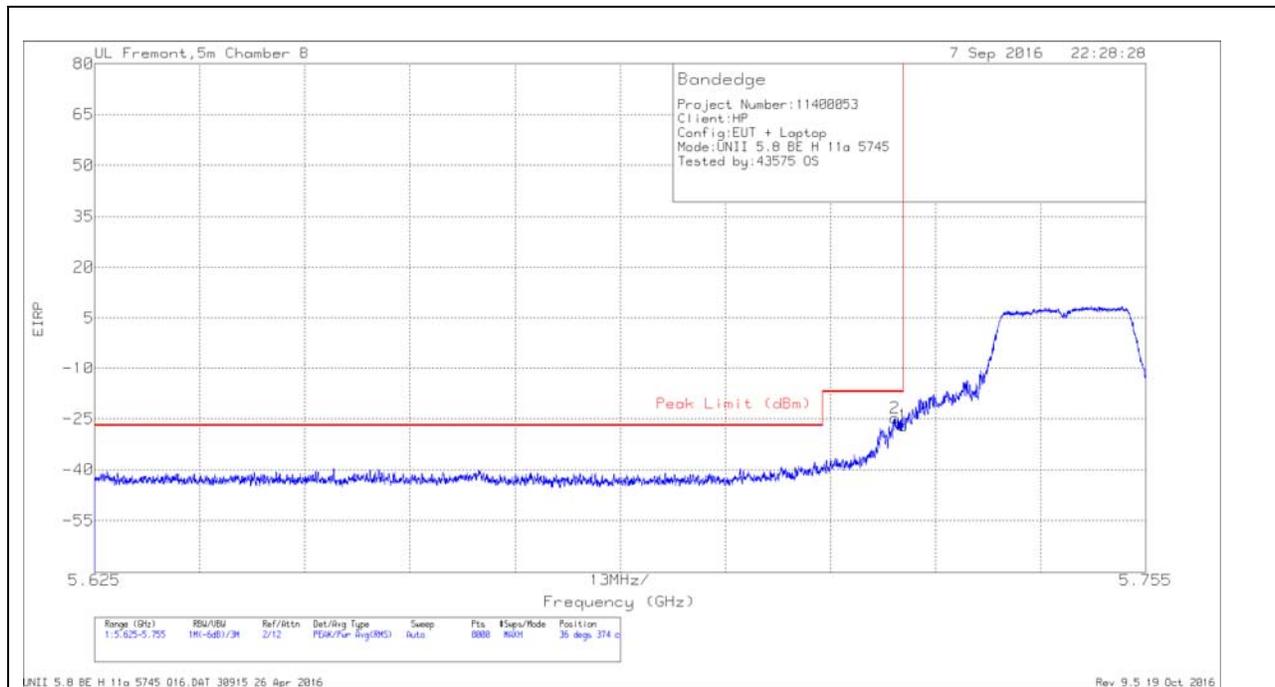
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### 5.2.10. TX ABOVE 1 GHz 802.11a MODE IN THE 5.8 GHz BAND

#### RESTRICTED BANDEDGE (LOW CHANNEL)

#### HORIZONTAL RESULTS

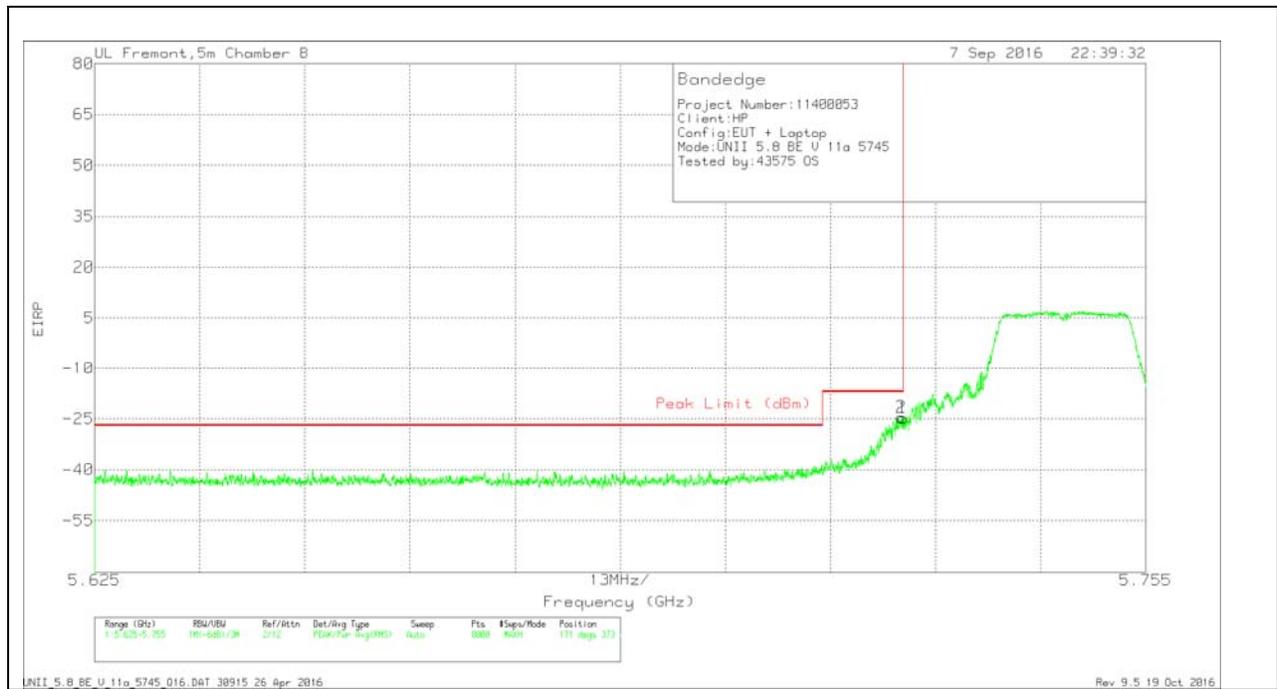


#### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.724	-49.84	Pk	34.9	-21.7	11.8	-24.84	-17	-7.84	36	374	H
1	5.725	-51.9	Pk	34.9	-21.7	11.8	-26.9	-17	-9.9	36	374	H

Pk - Peak detector  
 RMS - RMS detection

### VERTICAL RESULTS



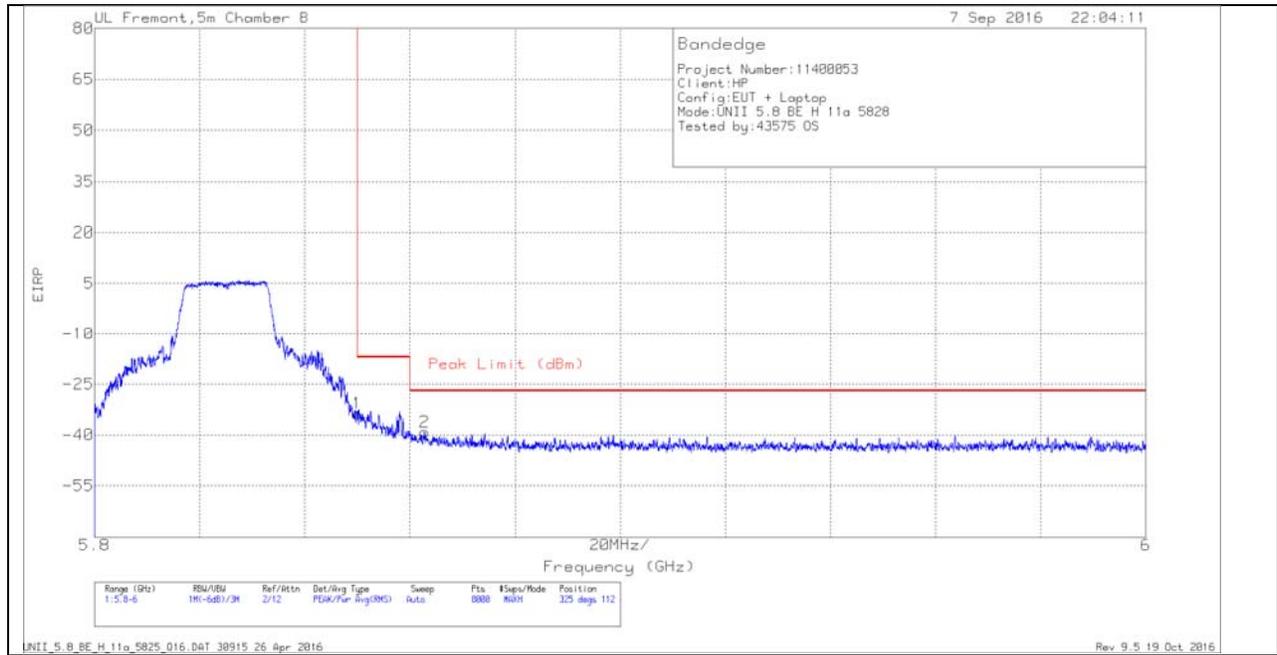
### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-49.84	Pk	34.9	-21.7	11.8	-24.84	-17	-7.84	171	373	V
2	5.725	-49.5	Pk	34.9	-21.7	11.8	-24.5	-17	-7.5	171	373	V

Pk - Peak detector  
 RMS - RMS detection

**AUTHORIZED BANDEGE (HIGH CHANNEL)**

**HORIZONTAL RESULTS**

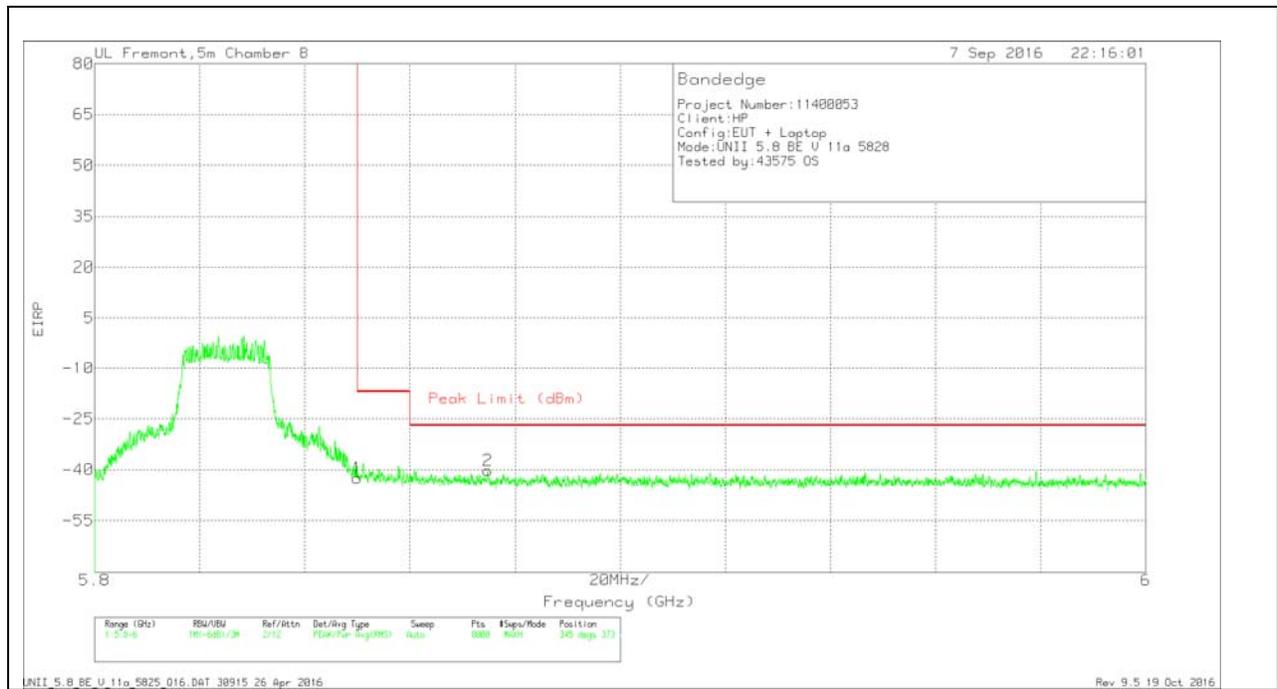


**Trace Markers**

Marker	Frequenc y (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-59.05	PK	35.2	-21.6	11.8	0	-33.65	-17	-16.65	325	112	H
2	5.863	-64.99	PK	35.2	-21.2	11.8	0	-39.19	-27	-12.19	325	112	H

Pk - Peak detector  
 RMS - RMS detection

### VERTICAL RESULTS



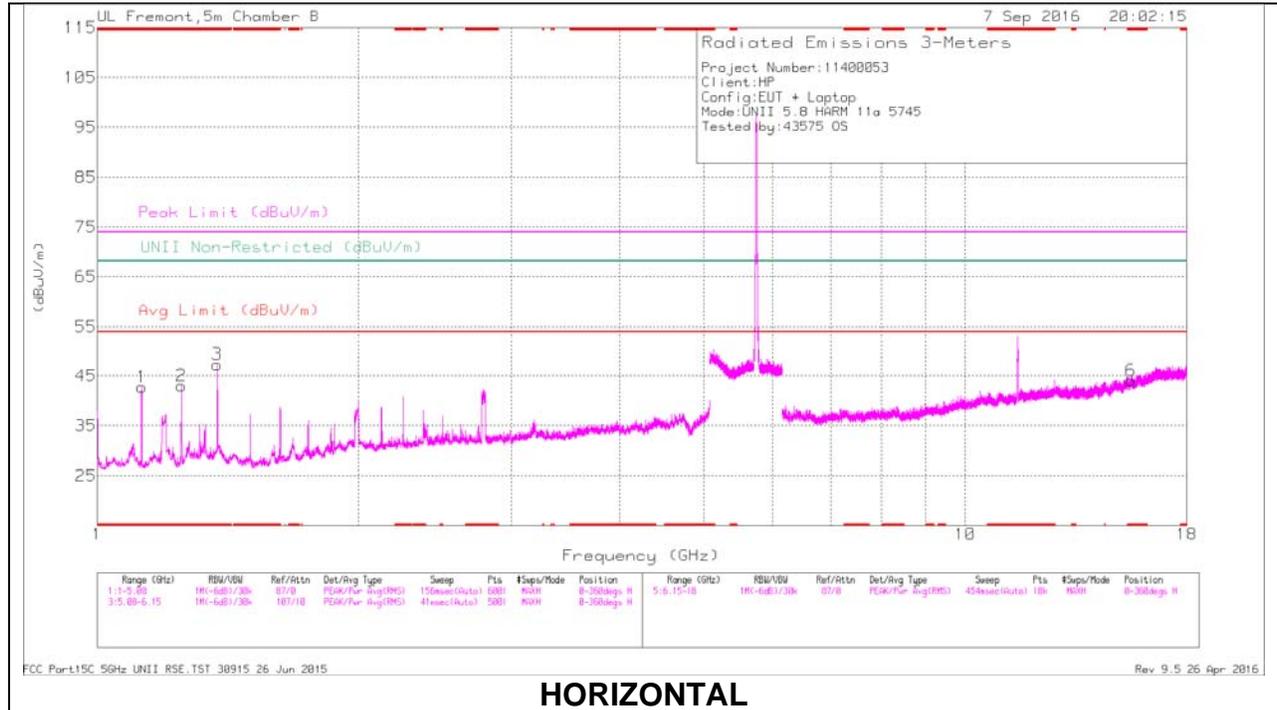
#### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AFT345 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-67.79	Pk	35.2	-21.6	11.8	-42.39	-17	-25.39	345	373	V
2	5.875	-65.9	Pk	35.2	-21.3	11.8	-40.2	-27	-13.2	345	373	V

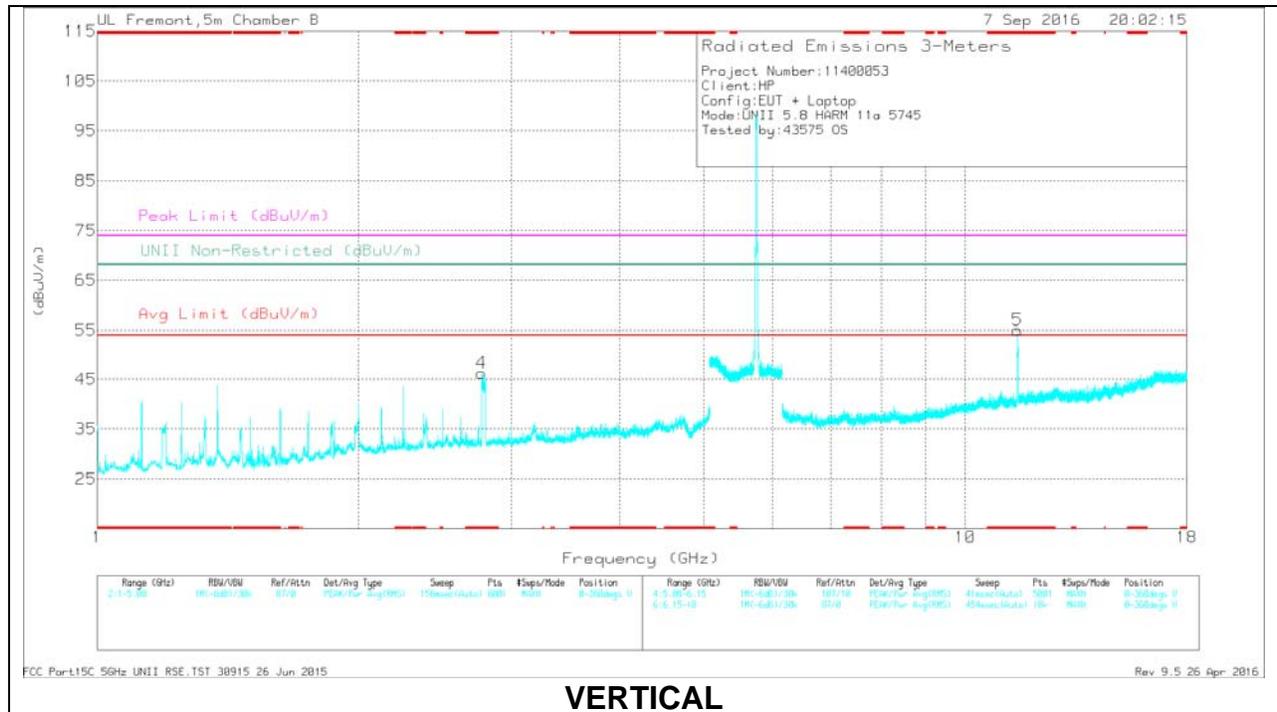
Pk - Peak detector  
 RMS - RMS detection

**HARMONICS AND SPURIOUS EMISSIONS**

**LOW CHANNEL RESULTS**



**HORIZONTAL**



**VERTICAL**

**LOW CHANNEL DATA**

Trace Markers

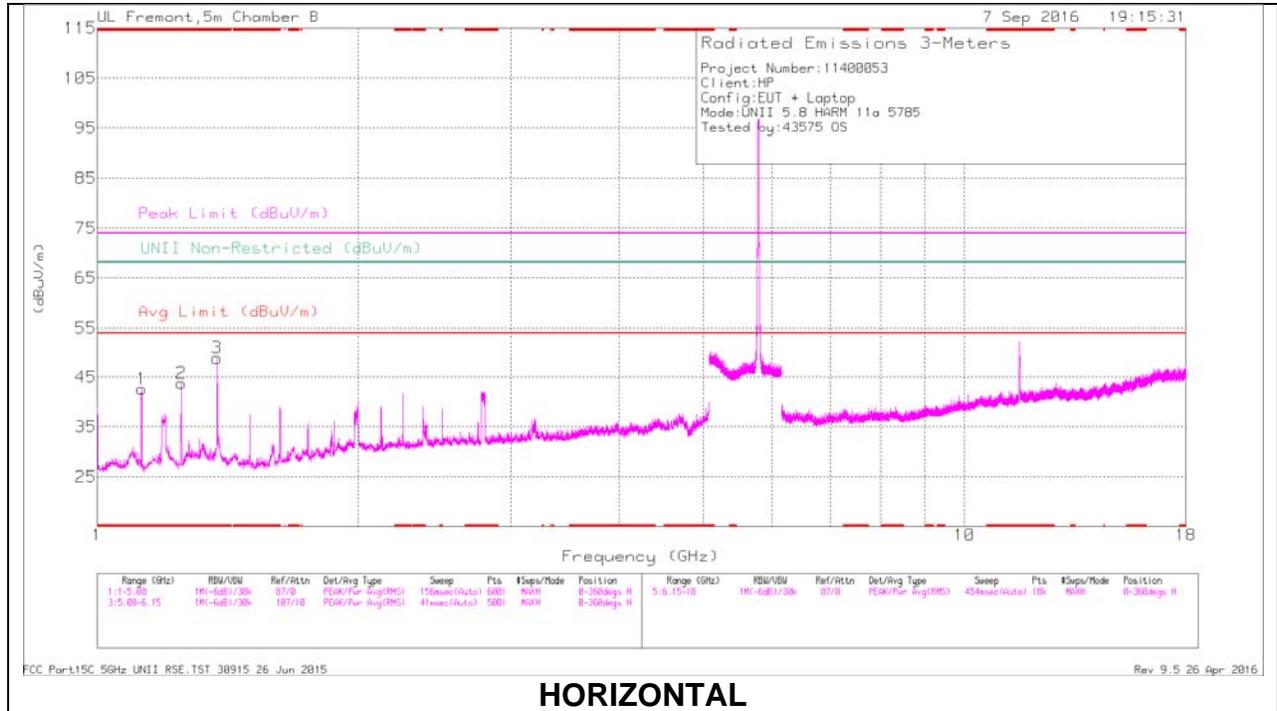
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF F345 (dBm)	AmpCblFilt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.125	52.79	PK-U	28	-35.5	0	45.29	-	-	74	-28.71	-	-	359	144	H
	* 1.125	48.88	ADR	28	-35.5	0	41.38	-	-12.62	-	-	-	-	359	144	H
2	* 1.25	53.9	PK-U	28.6	-36	0	46.5	54	-	74	-27.5	-	-	182	227	H
	* 1.25	50.41	ADR	28.6	-36	0	43.01	54	-10.99	-	-	-	-	182	227	H
3	* 1.375	57.08	PK-U	28.9	-35.1	0	50.88	-	-	74	-23.12	-	-	192	228	H
	* 1.375	53.43	ADR	28.9	-35.1	0	47.23	54	-6.77	-	-	-	-	192	228	H
4	* 2.773	55.25	PK-U	32.4	-34.4	0	53.25	-	-	74	-20.75	-	-	100	193	V
	* 2.772	42.42	ADR	32.4	-34.4	0	40.42	54	-13.58	-	-	-	-	100	193	V
6	* 15.523	34.18	PK-U	40.2	-24.4	0	49.98	-	-	74	-24.02	-	-	290	214	H
	* 15.524	23.71	ADR	40.2	-24.4	0	39.51	54	-14.49	-	-	-	-	290	214	H
5	* 11.491	49.64	PK-U	38.3	-25.8	0	62.14	-	-	74	-11.86	-	-	336	102	V
	* 11.49	39.3	ADR	38.3	-25.8	0	51.8	54	-2.2	-	-	-	-	336	102	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

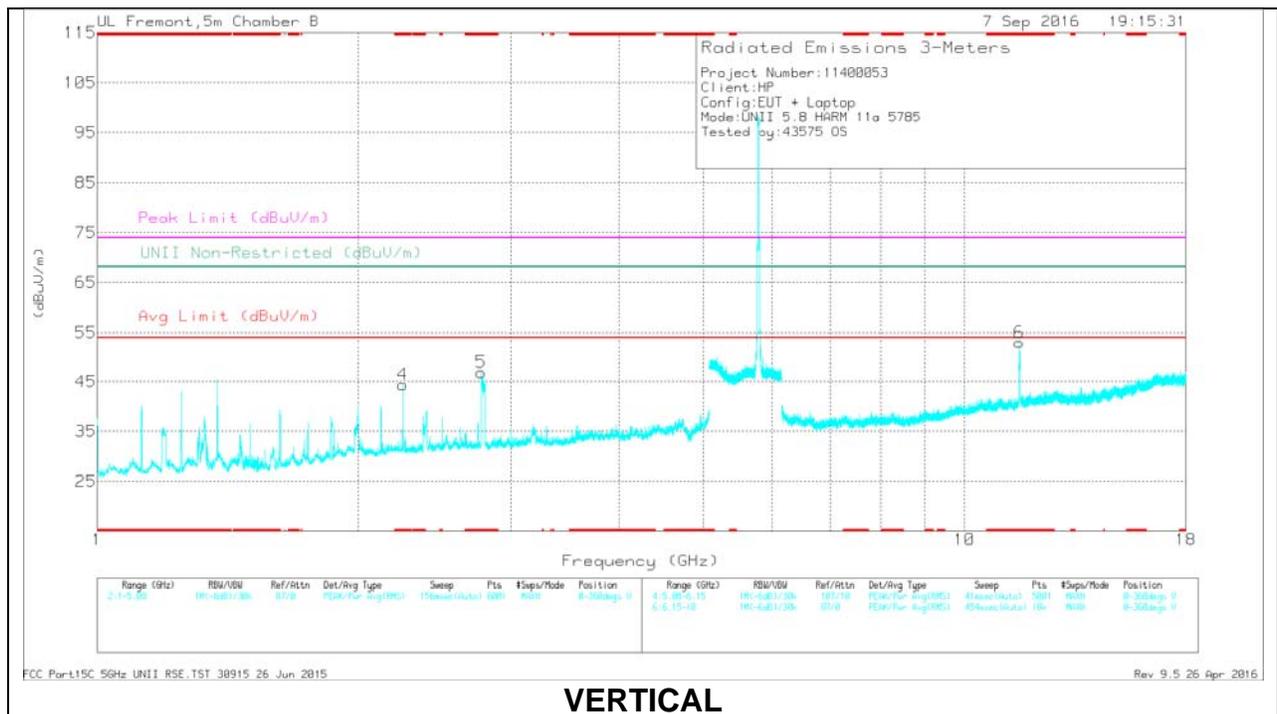
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### MID CHANNEL RESULTS



### HORIZONTAL



### VERTICAL

**MID CHANNEL DATA**

Trace Markers

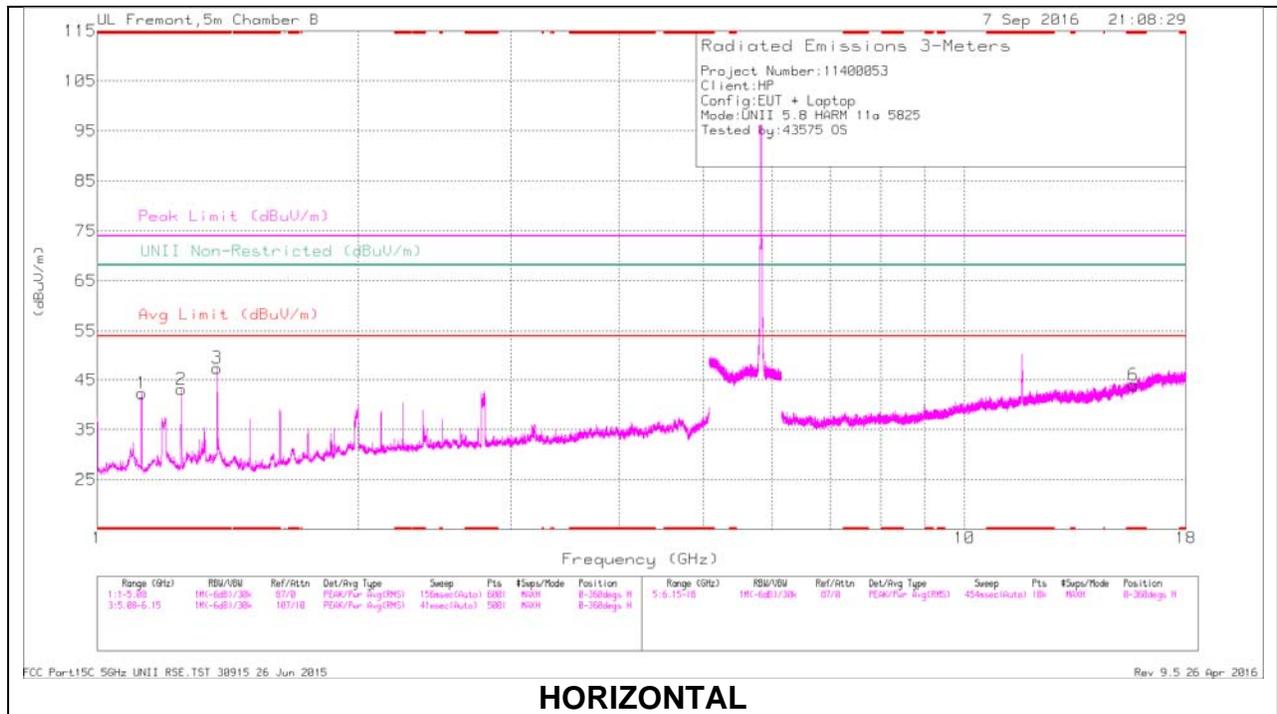
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dBm)	Amp/Cb/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.125	53.26	PK-U	28	-35.5	0	45.76	-	-	74	-28.24	-	-	216	124	H
	* 1.125	48.23	ADR	28	-35.5	0	40.73	54	-13.27	-	-	-	-	216	124	H
2	* 1.25	54.43	PK-U	28.6	-36	0	47.03	-	-	74	-26.97	-	-	344	147	H
	* 1.25	48.83	ADR	28.6	-36	0	41.43	54	-12.57	-	-	-	-	344	147	H
3	* 1.375	58.51	PK-U	28.9	-35.1	0	52.31	-	-	74	-21.69	-	-	190	183	H
	* 1.375	54.41	ADR	28.9	-35.1	0	48.21	54	-5.79	-	-	-	-	190	183	H
4	* 2.25	51.84	PK-U	31.5	-34.1	0	49.24	-	-	74	-24.76	-	-	305	213	V
	* 2.25	46.14	ADR	31.5	-34.1	0	43.54	54	-10.46	-	-	-	-	305	213	V
5	* 2.773	54.61	PK-U	32.4	-34.4	0	52.61	-	-	74	-21.39	-	-	110	241	V
	* 2.773	40.64	ADR	32.4	-34.4	0	38.64	54	-15.36	-	-	-	-	110	241	V
6	* 11.564	47.02	PK-U	38.4	-24.9	0	60.52	-	-	74	-13.48	-	-	334	115	V
	* 11.566	36.03	ADR	38.4	-25	0	49.43	54	-4.57	-	-	-	-	334	115	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

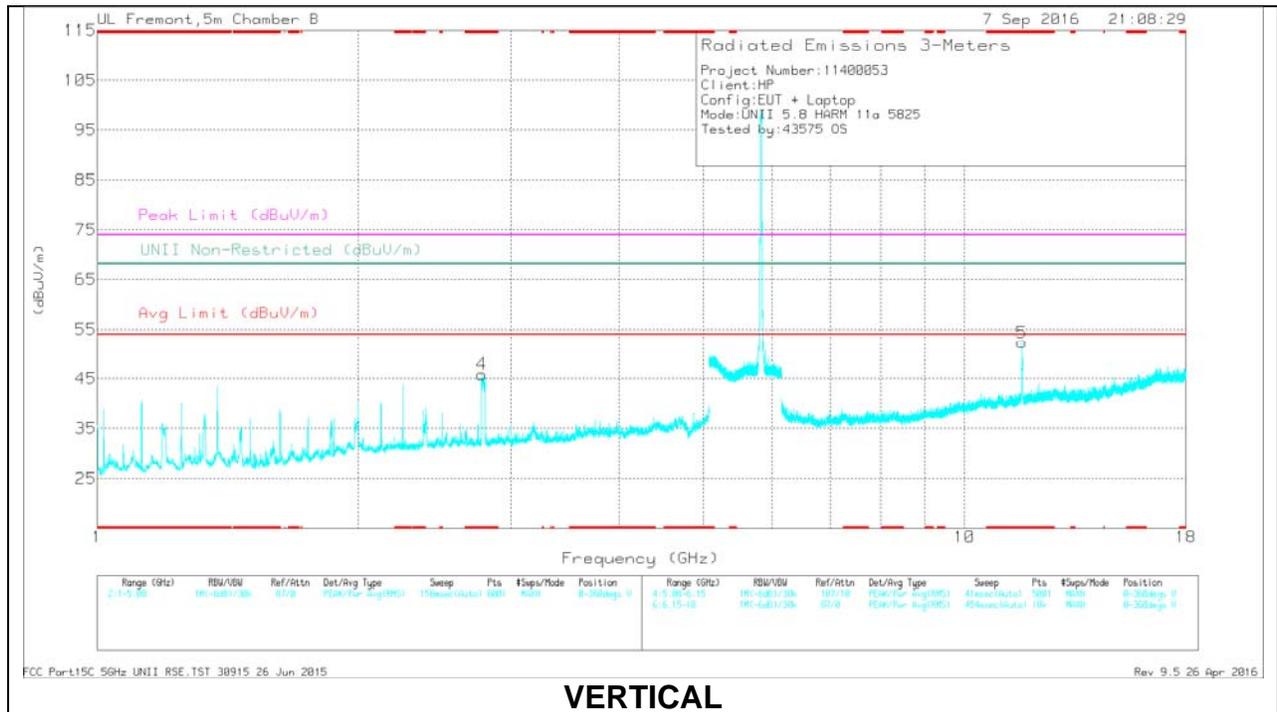
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### HIGH CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

## HIGH CHANNEL DATA

### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dBm)	AmpCblFilt/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	* 1.125	52.74	PK-U	28	-35.5	0	45.24	-	-	74	-28.76	-	-	358	155	H
	* 1.125	48.6	ADR	28	-35.5	0	41.1	-	-12.9	-	-	-	-	358	155	H
2	* 1.25	53.73	PK-U	28.6	-36	0	46.33	54	-	74	-27.67	-	-	183	284	H
	* 1.25	50.63	ADR	28.6	-36	0	43.23	54	-10.77	-	-	-	-	183	284	H
3	* 1.375	56.92	PK-U	28.9	-35.1	0	50.72	-	-	74	-23.28	-	-	193	227	H
	* 1.375	53.69	ADR	28.9	-35.1	0	47.49	54	-6.51	-	-	-	-	193	227	H
4	* 2.775	54.75	PK-U	32.4	-34.4	0	52.75	-	-	74	-21.25	-	-	100	190	V
	* 2.775	41.93	ADR	32.4	-34.4	0	39.93	54	-14.07	-	-	-	-	100	190	V
6	* 15.655	34.79	PK-U	40.4	-24.8	0	50.39	-	-	74	-23.61	-	-	283	397	H
	* 15.655	23.4	ADR	40.4	-24.8	0	39	54	-15	-	-	-	-	283	397	H
5	* 11.655	44.93	PK-U	38.5	-25.3	0	58.13	-	-	74	-15.87	-	-	336	105	V
	* 11.656	34.46	ADR	38.5	-25.3	0	47.66	54	-6.34	-	-	-	-	336	105	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

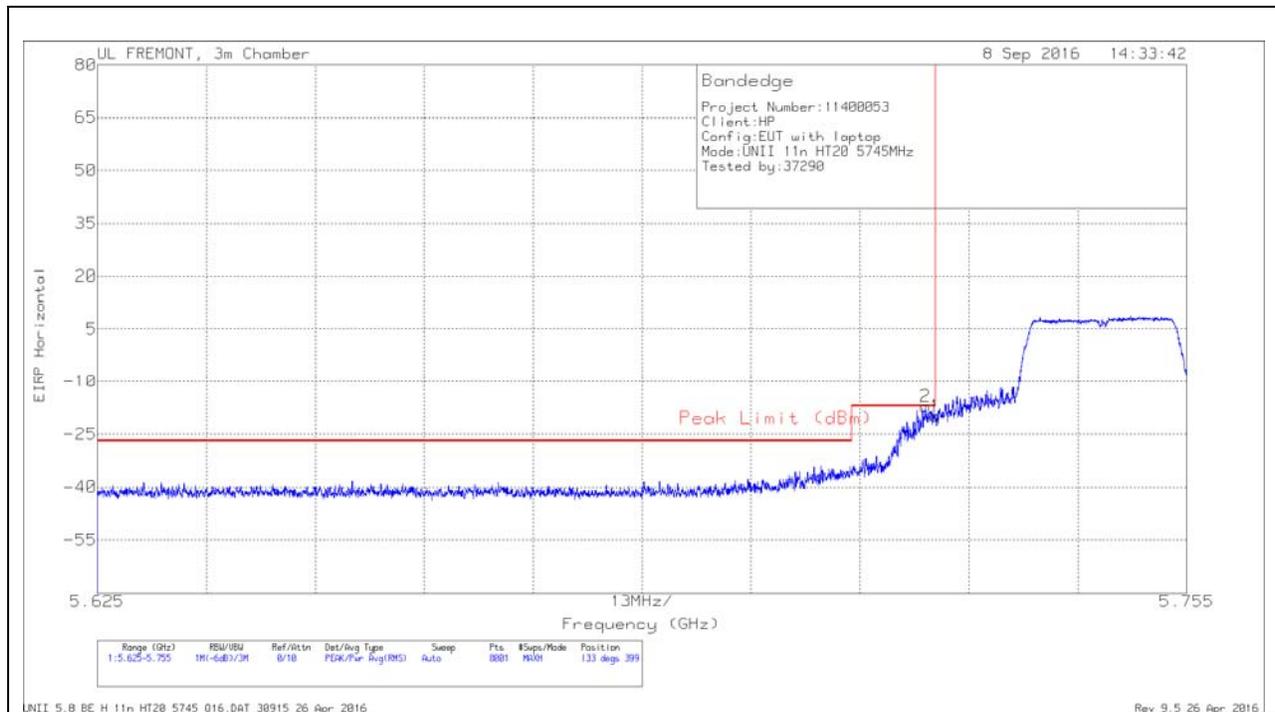
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### 5.2.11. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.8 GHz BAND

#### RESTRICTED BANDEDGE (LOW CHANNEL)

#### HORIZONTAL RESULTS



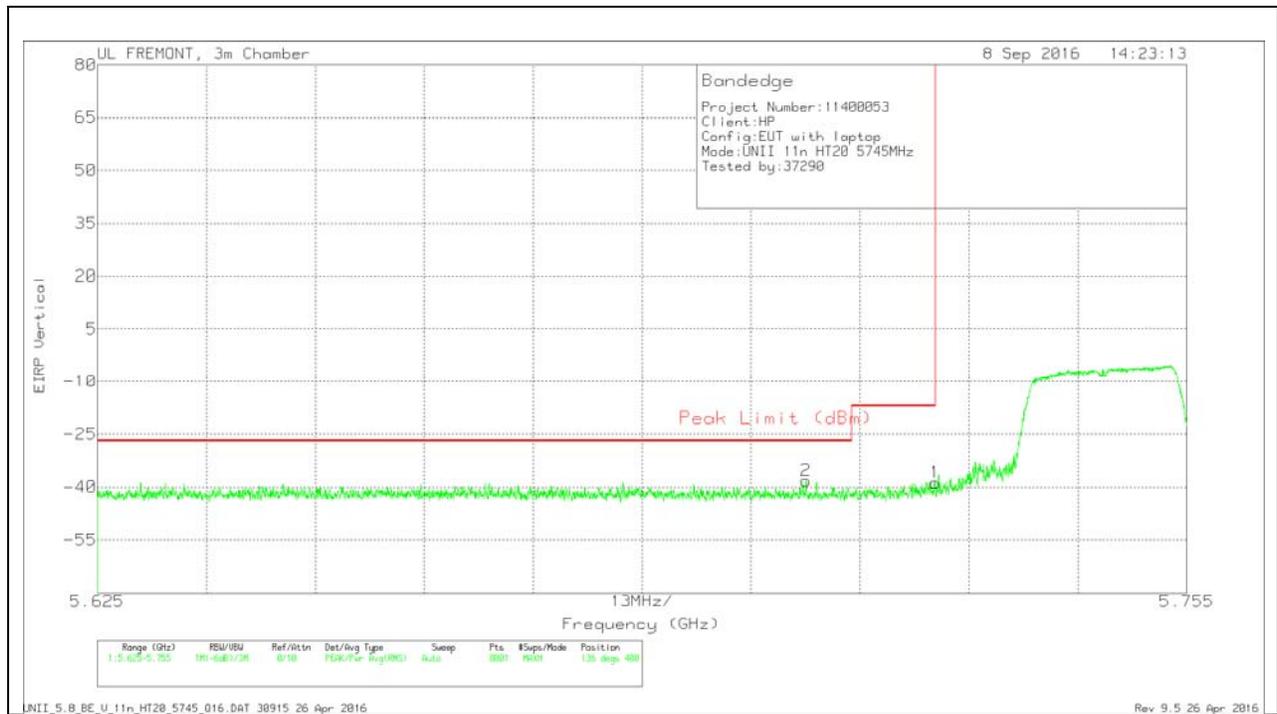
#### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.724	-45.29	Pk	34.8	-18.5	11.8	-17.19	-17	-19	133	399	H
1	5.725	-48.1	Pk	34.8	-18.5	11.8	-20	-17	-3	133	399	H

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULTS



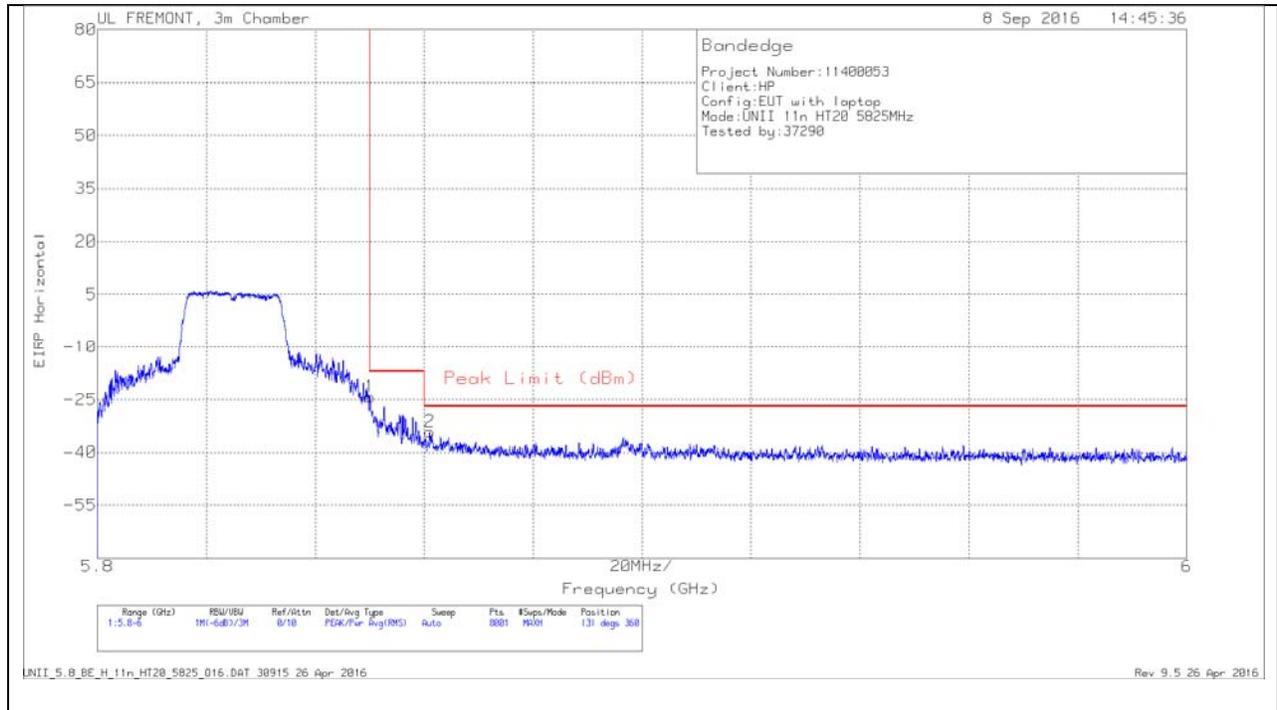
#### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.71	-66.36	Pk	34.9	-18.6	11.8	-38.26	-27	-11.26	136	400	V
1	5.725	-66.79	Pk	34.8	-18.5	11.8	-38.69	-17	-21.69	136	400	V

Pk - Peak detector  
 RMS - RMS detection

**AUTHORIZED BANDEGE (HIGH CHANNEL)**

**HORIZONTAL RESULTS**

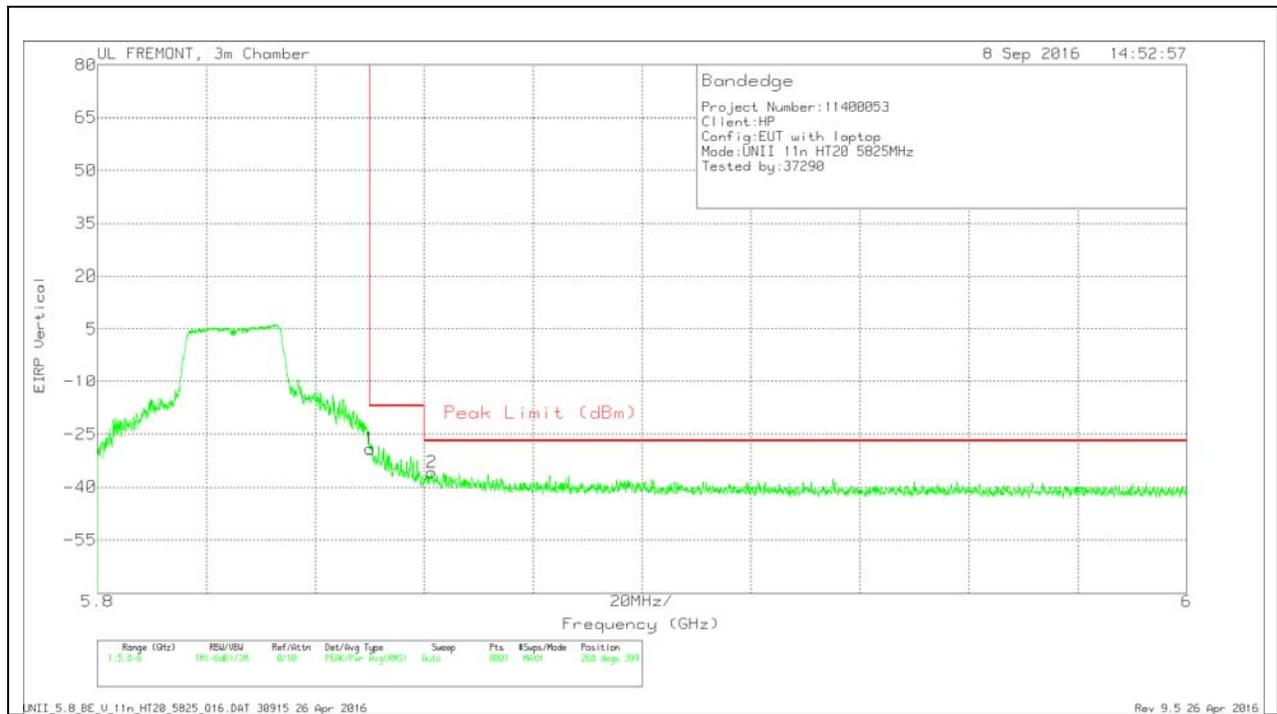


**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AFT119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-52.94	Pk	35	-18.1	11.8	-24.24	-17	-7.24	131	360	H
2	5.861	-62.99	Pk	35	-17.9	11.8	-34.09	-27	-7.09	131	360	H

Pk - Peak detector

### VERTICAL RESULTS



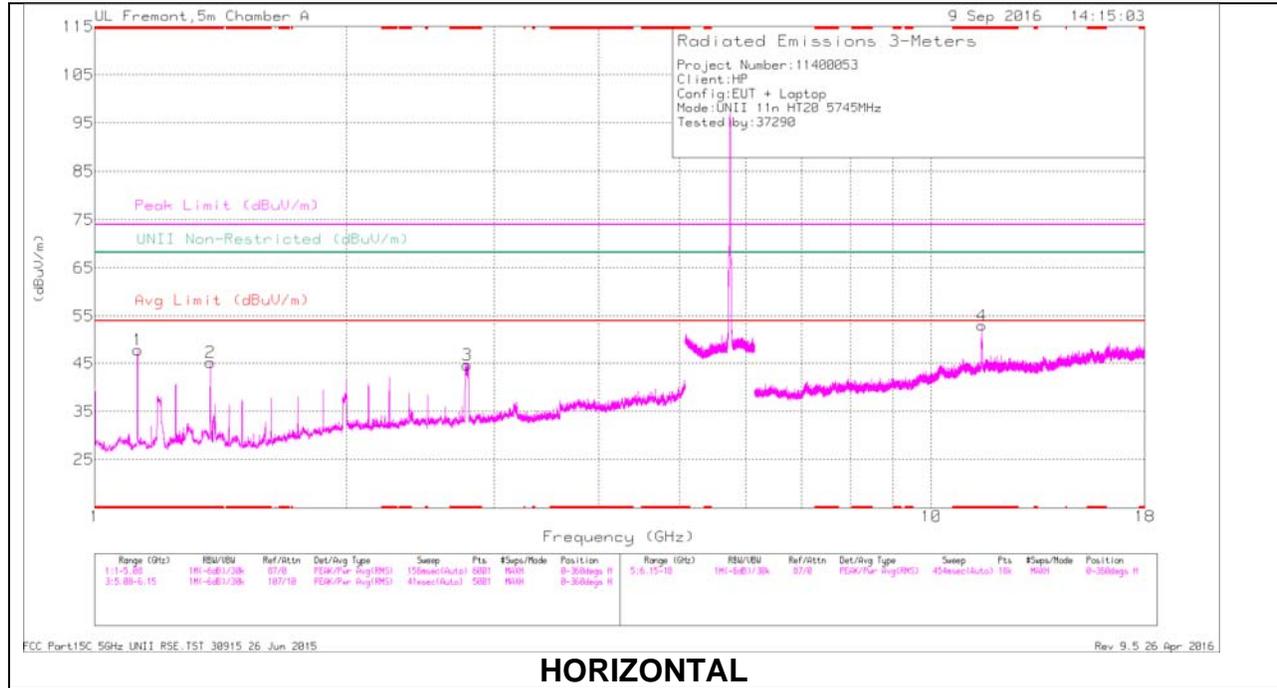
### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AFT119 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-57.85	Pk	35	-18.1	11.8	-29.15	-17	-12.15	268	399	V
2	5.861	-64.64	Pk	35	-17.9	11.8	-35.74	-27	-8.74	268	399	V

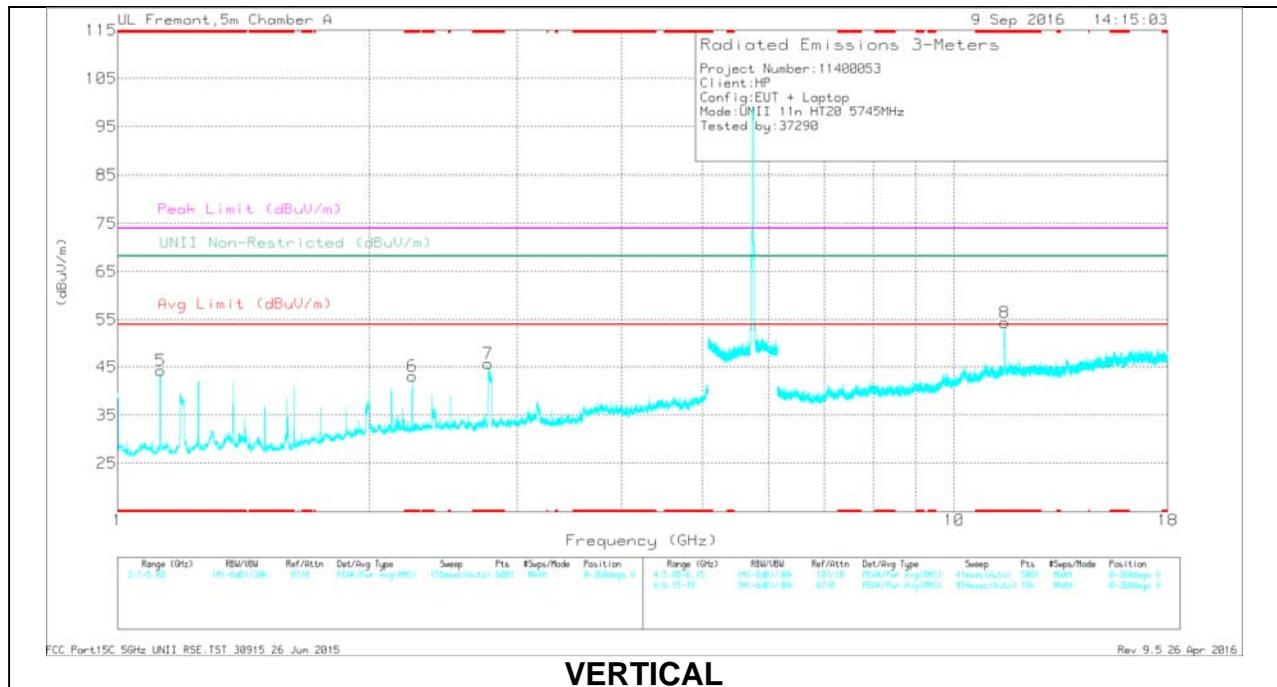
Pk - Peak detector

**HARMONICS AND SPURIOUS EMISSIONS**

**LOW CHANNEL RESULTS**



**HORIZONTAL**



**VERTICAL**

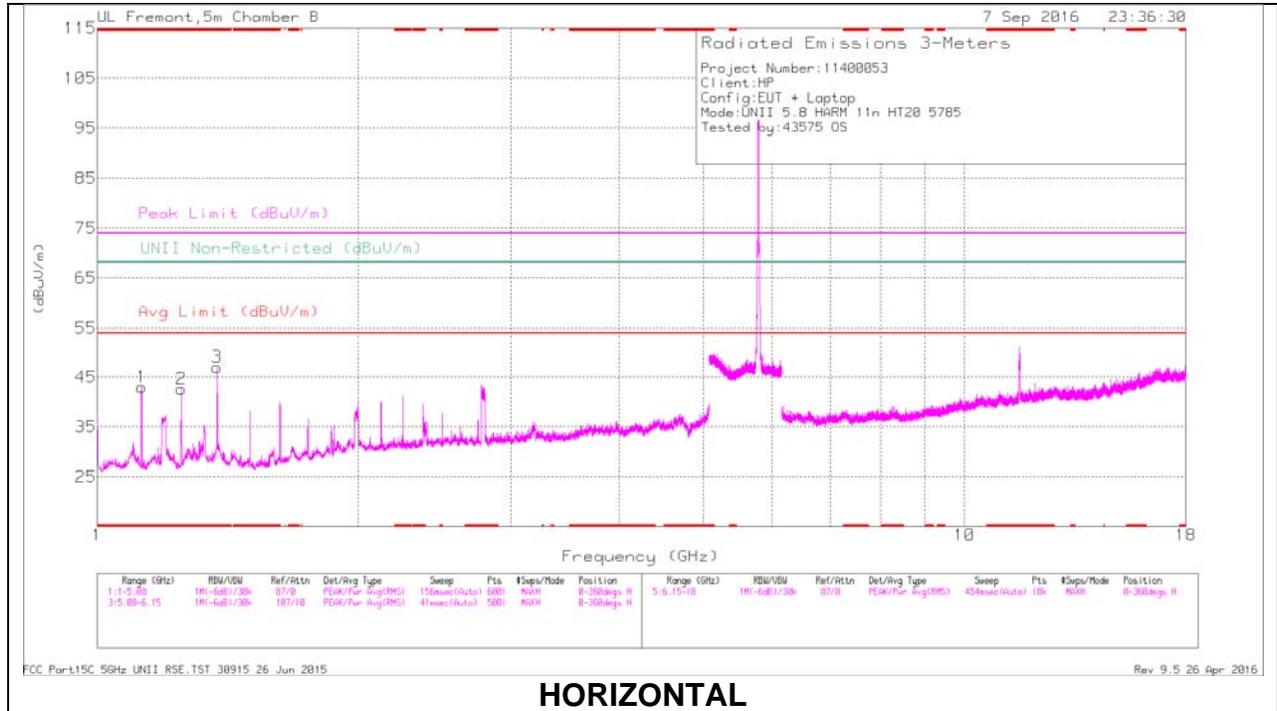
### LOW CHANNEL DATA

#### Trace Markers

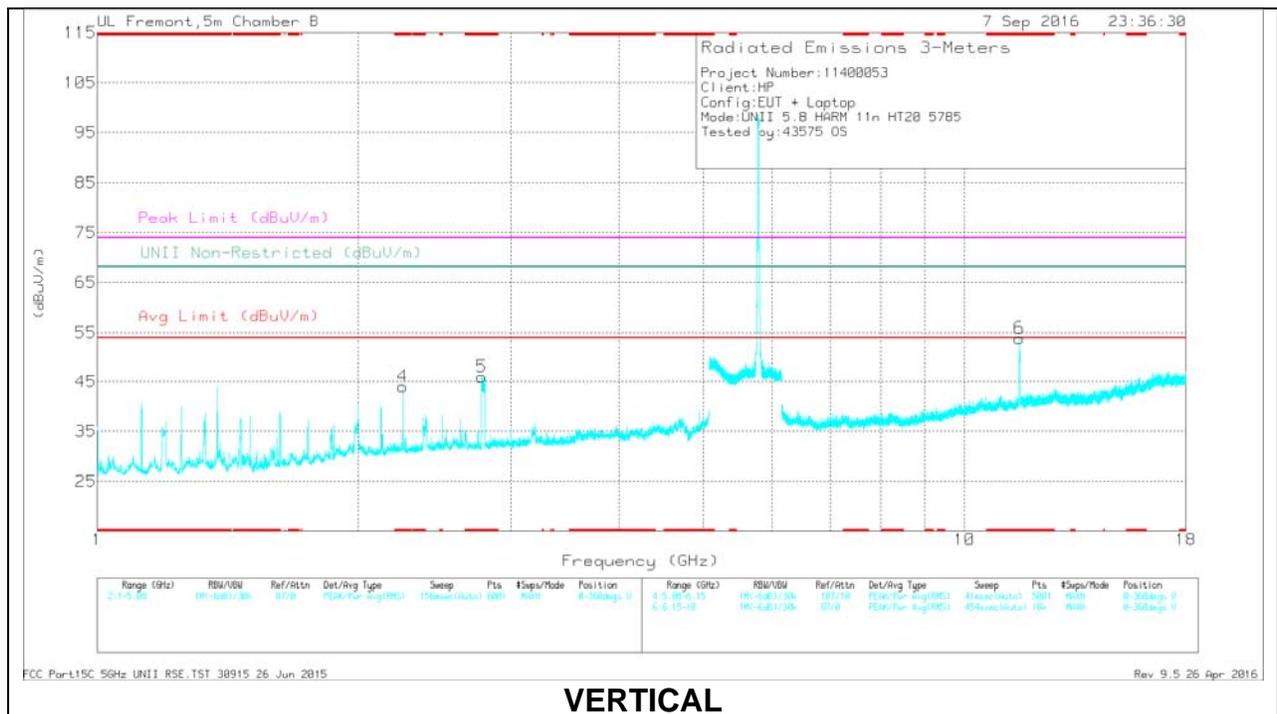
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cat/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.125	55.53	PK-U	27.9	-33.8	49.63	-	-	74	-24.37	-	-	159	114	H
	* 1.125	52.42	ADR	27.9	-33.8	46.52	54	-7.48	-	-	-	-	159	114	H
2	* 1.375	53.91	PK-U	29	-33.4	49.51	-	-	74	-24.49	-	-	158	184	H
	* 1.375	49.87	ADR	29	-33.4	45.47	54	-8.53	-	-	-	-	158	184	H
3	* 2.791	50.12	PK-U	32.6	-31.7	51.02	-	-	74	-22.98	-	-	317	248	H
	* 2.791	36.27	ADR	32.6	-31.7	37.17	54	-16.83	-	-	-	-	317	248	H
5	* 1.125	56.02	PK-U	27.9	-33.8	50.12	-	-	74	-23.88	-	-	140	282	V
	* 1.125	52.6	ADR	27.9	-33.8	46.7	54	-7.3	-	-	-	-	140	282	V
6	* 2.25	49.62	PK-U	31.8	-33	48.42	-	-	74	-25.58	-	-	124	384	V
	* 2.25	44.47	ADR	31.8	-33	43.27	54	-10.73	-	-	-	-	124	384	V
7	* 2.776	50.31	PK-U	32.6	-32	50.91	-	-	74	-23.09	-	-	233	259	V
	* 2.776	36.81	ADR	32.6	-32	37.41	54	-16.59	-	-	-	-	233	259	V
4	* 11.488	44.86	PK-U	38.2	-19.6	53.46	-	-	74	-10.54	-	-	270	264	H
	* 11.488	33.63	ADR	38.2	-19.6	52.23	54	-1.77	-	-	-	-	270	264	H
8	* 11.488	44.39	PK-U	38.2	-19.6	62.99	-	-	74	-11.01	-	-	181	213	V
	* 11.488	33.4	ADR	38.2	-19.6	52	54	-2	-	-	-	-	181	213	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK-U - U-NII: Maximum Peak  
 ADR - U-NII AD primary method, RMS average

### MID CHANNEL RESULTS



### HORIZONTAL



### VERTICAL

### MID CHANNEL DATA

#### Trace Markers

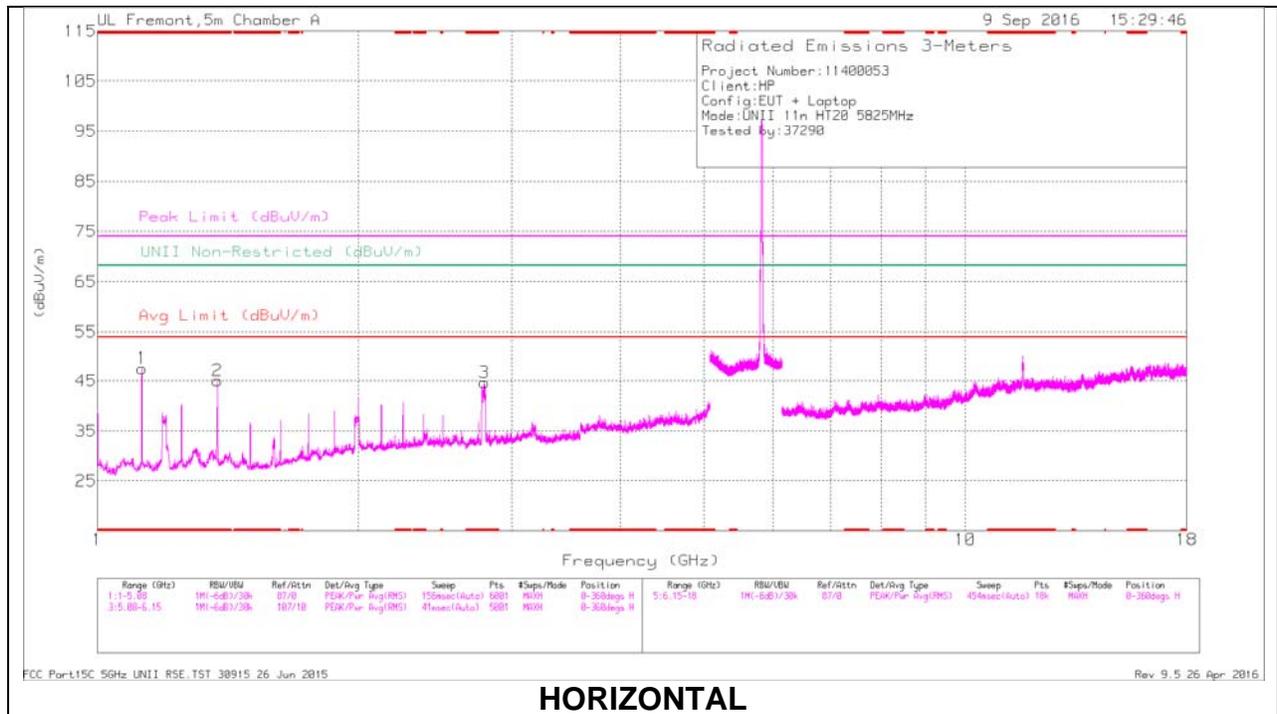
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dBm)	AmpCblFilt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.125	52.79	PK-U	28	-35.5	0	45.29	-	-	74	-28.71	-	-	360	103	H
	* 1.125	48.72	ADR	28	-35.5	0	41.22	54	-12.78	-	-	-	-	360	103	H
2	* 1.25	53.72	PK-U	28.6	-36	0	46.32	-	-	74	-27.68	-	-	188	288	H
	* 1.25	50.54	ADR	28.6	-36	0	43.14	54	-10.86	-	-	-	-	188	288	H
3	* 1.375	56.25	PK-U	28.9	-35.1	0	50.05	-	-	74	-23.95	-	-	185	143	H
	* 1.375	52.78	ADR	28.9	-35.1	0	46.58	54	-7.42	-	-	-	-	185	143	H
6	* 11.572	45.56	PK-U	38.4	-24.9	0	59.06	-	-	74	-14.94	-	-	333	124	V
	* 11.574	35.04	ADR	38.4	-24.9	0	48.54	54	-5.46	-	-	-	-	333	124	V
4	* 2.25	51.15	PK-U	31.5	-34.1	0	48.55	-	-	74	-25.45	-	-	298	210	V
	* 2.25	46.13	ADR	31.5	-34.1	0	43.53	54	-10.47	-	-	-	-	298	210	V
5	* 2.772	54.8	PK-U	32.4	-34.4	0	52.8	-	-	74	-21.2	-	-	98	198	V
	* 2.775	41.82	ADR	32.4	-34.4	0	39.82	54	-14.18	-	-	-	-	98	198	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

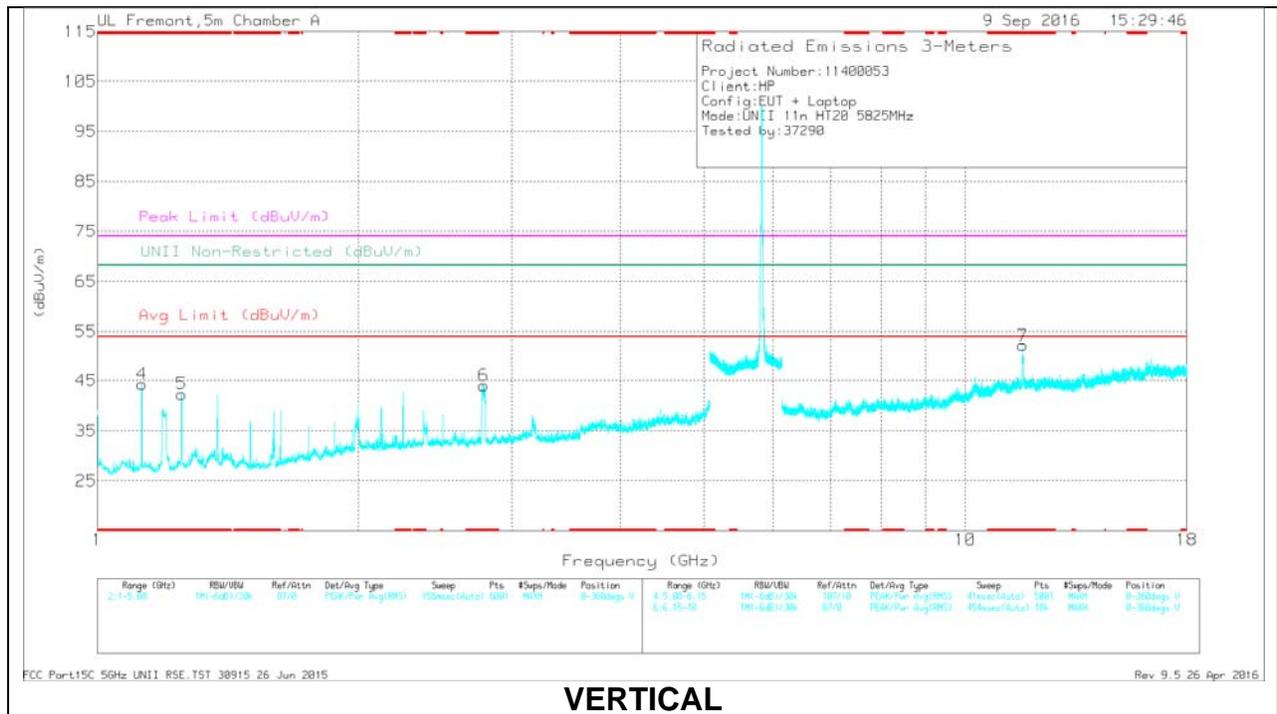
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### HIGH CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

### HIGH CHANNEL DATA

#### Trace Markers

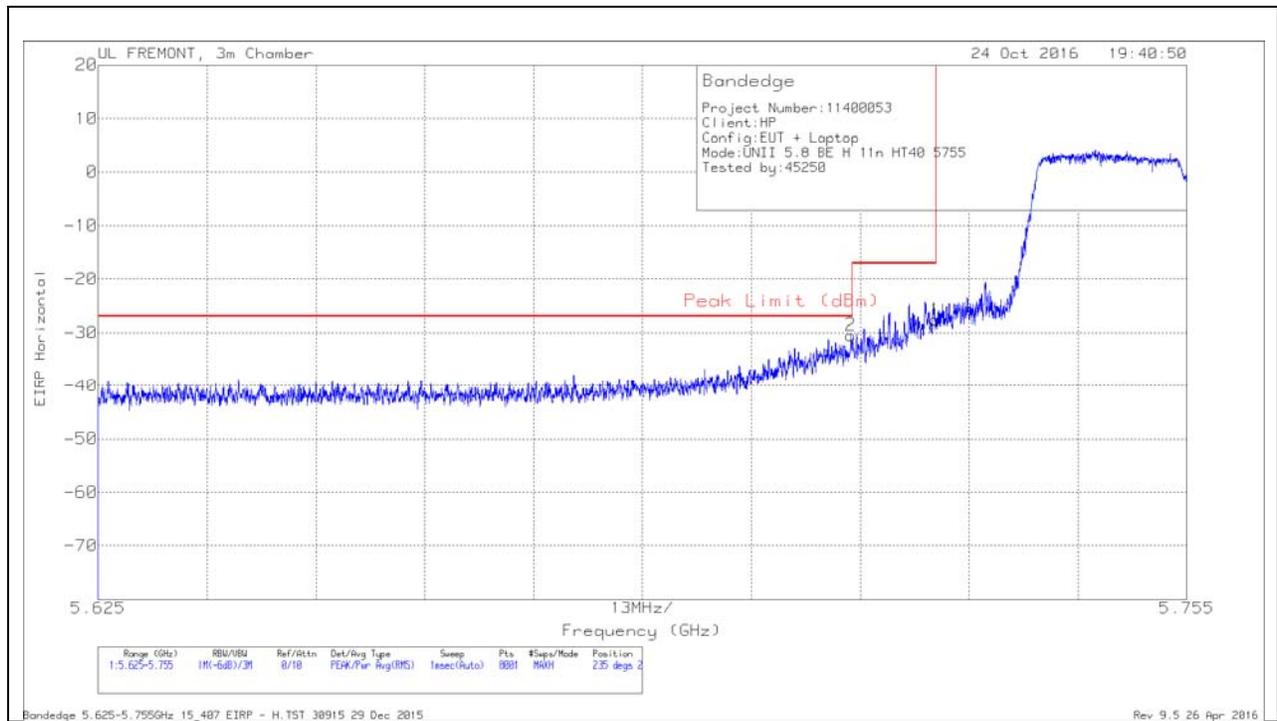
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (db/m)	Amp/Cb/Filt/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.125	55.57	PK-U	27.9	-33.8	49.67	-	-	74	-24.33	-	-	157	104	H
	* 1.125	52.33	ADR	27.9	-33.8	46.43	54	-7.57	-	-	-	-	157	104	H
2	* 1.375	53.53	PK-U	29	-33.4	49.13	-	-	74	-24.87	-	-	160	184	H
	* 1.375	49.78	ADR	29	-33.4	45.38	54	-8.62	-	-	-	-	160	184	H
3	* 2.792	50.23	PK-U	32.6	-31.7	51.13	-	-	74	-22.87	-	-	319	174	H
	* 2.792	36.82	ADR	32.6	-31.7	37.72	54	-16.28	-	-	-	-	319	174	H
4	* 1.125	55.79	PK-U	27.9	-33.8	49.89	-	-	74	-24.11	-	-	144	281	V
	* 1.125	52.16	ADR	27.9	-33.8	46.26	54	-7.74	-	-	-	-	144	281	V
5	* 1.25	53.7	PK-U	28.6	-34.3	48	-	-	74	-26	-	-	328	286	V
	* 1.25	49.6	ADR	28.6	-34.3	43.9	54	-10.1	-	-	-	-	328	286	V
6	* 2.788	49.52	PK-U	32.6	-31.8	50.32	-	-	74	-23.68	-	-	311	305	V
	* 2.788	36	ADR	32.6	-31.8	36.8	54	-17.2	-	-	-	-	311	305	V
7	* 11.646	42.45	PK-U	38.4	-24.9	55.95	-	-	74	-18.05	-	-	333	134	V
	* 11.644	34.74	ADR	38.4	-24.9	48.24	54	-5.76	-	-	-	-	333	134	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK-U - U-NII: Maximum Peak  
 ADR - U-NII AD primary method, RMS average

### 5.2.12. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.8 GHz BAND

#### RESTRICTED BANDEDGE (LOW CHANNEL)

#### HORIZONTAL RESULTS

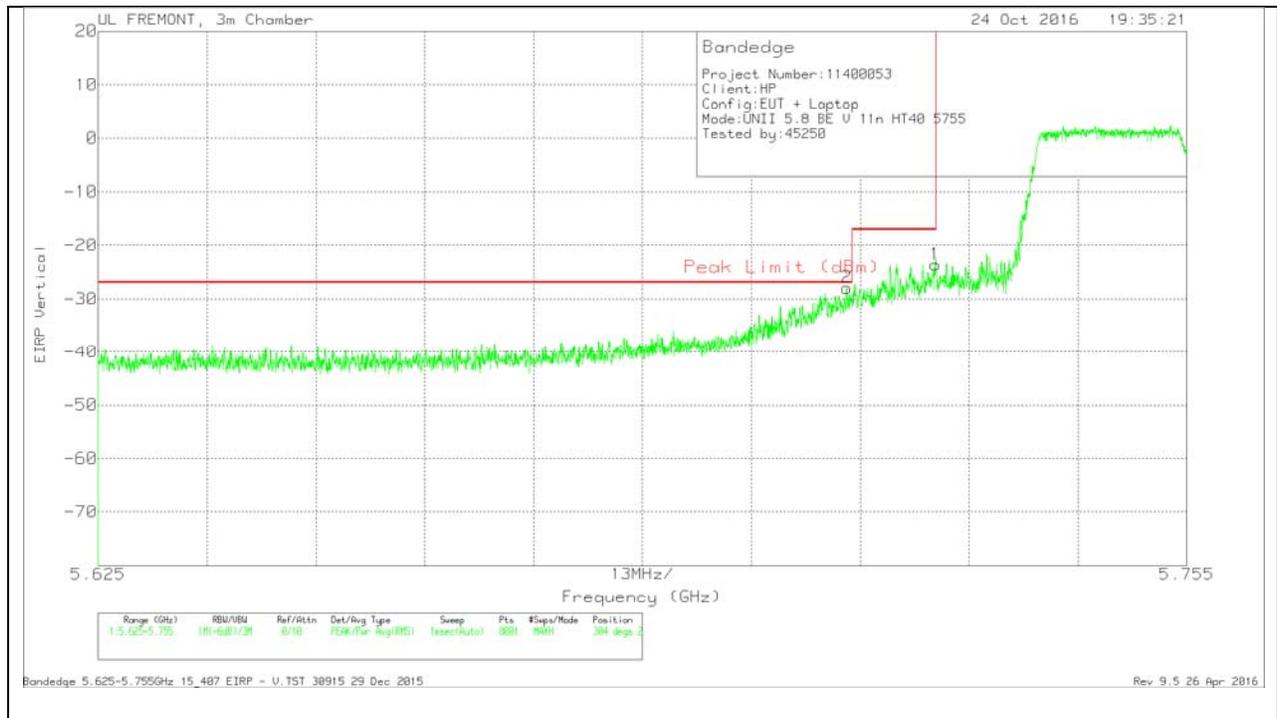


#### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cb/Filtr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.715	-58.58	Pk	34.9	-18.6	11.8	-30.48	-27	-3.48	235	271	H
1	5.725	-55.71	Pk	34.8	-18.5	11.8	-27.61	-17	-10.61	235	271	H

Pk - Peak detector  
 RMS - RMS detection

### VERTICAL RESULTS



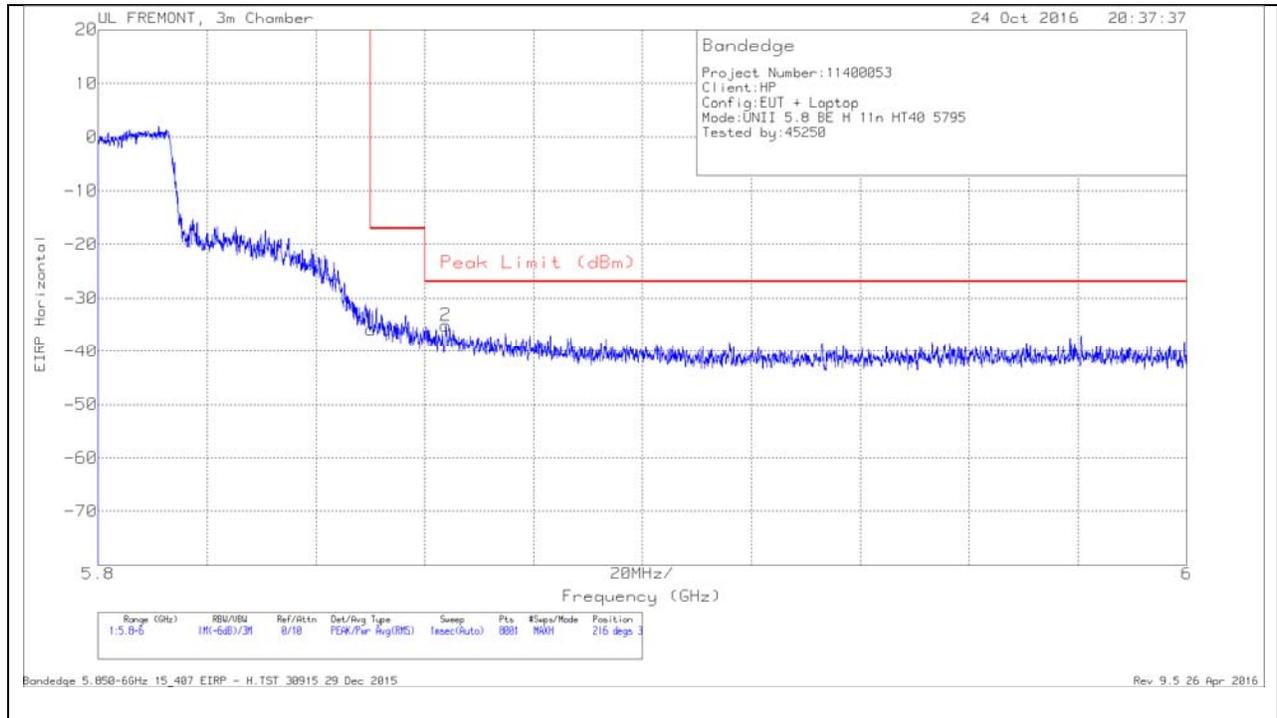
### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AFT119 (dB/m)	Amp/Cb/Filtr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.714	-56.01	Pk	34.9	-18.6	11.8	-27.91	-27	-9.1	304	261	V
1	5.725	-51.74	Pk	34.8	-18.5	11.8	-23.64	-17	-6.64	304	261	V

Pk - Peak detector  
 RMS - RMS detection

**AUTHORIZED BANDEGE (HIGH CHANNEL)**

**HORIZONTAL RESULTS**

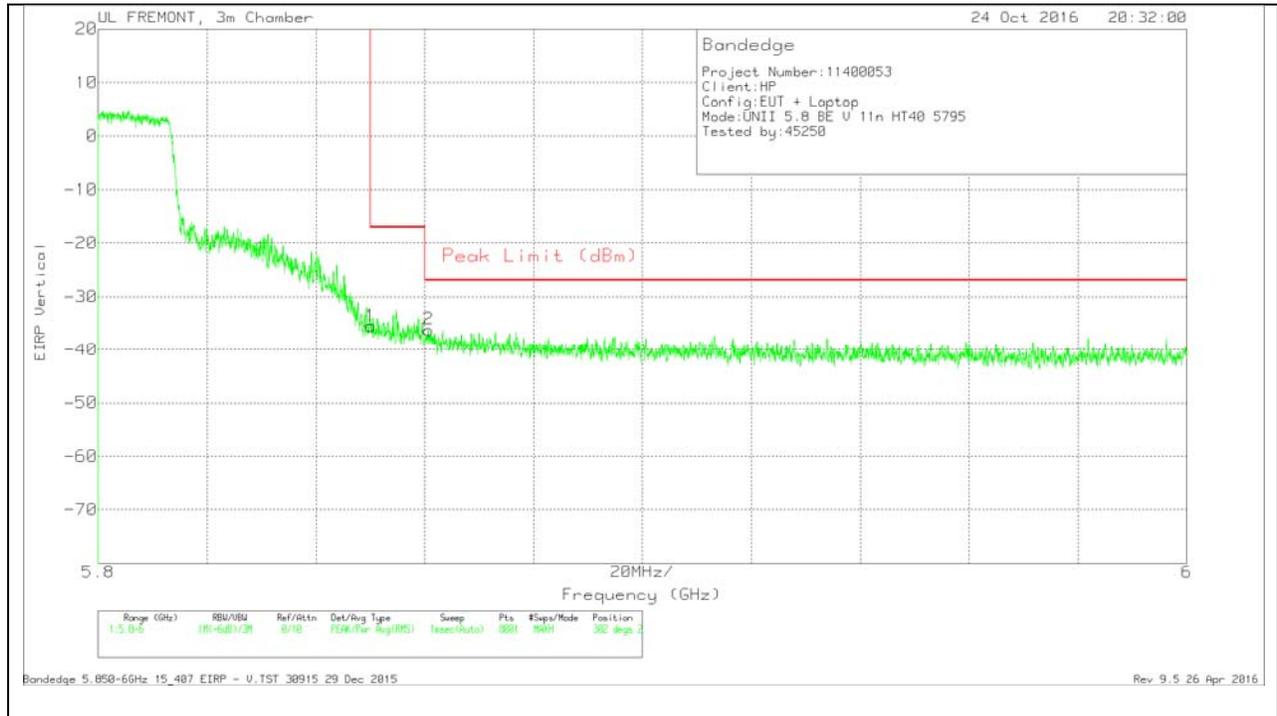


**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-64.55	Pk	35	-18.1	11.8	-35.85	-17	-18.85	216	399	H
2	5.864	-63.98	Pk	35	-17.9	11.8	-35.08	-27	-8.08	216	399	H

Pk - Peak detector  
 RMS - RMS detection

### VERTICAL RESULTS



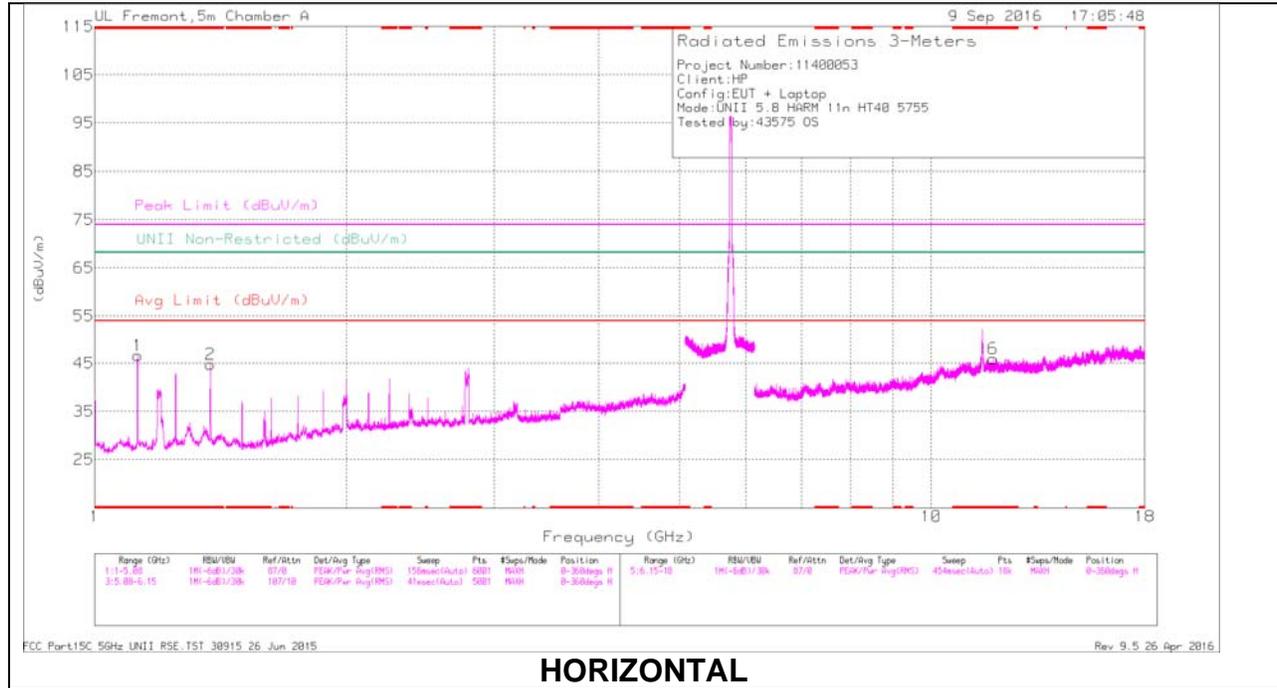
### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-64.17	Pk	35	-18.1	11.8	-35.47	-17	-18.47	302	270	V
2	5.861	-65.06	Pk	35	-17.9	11.8	-36.16	-27	-9.16	302	270	V

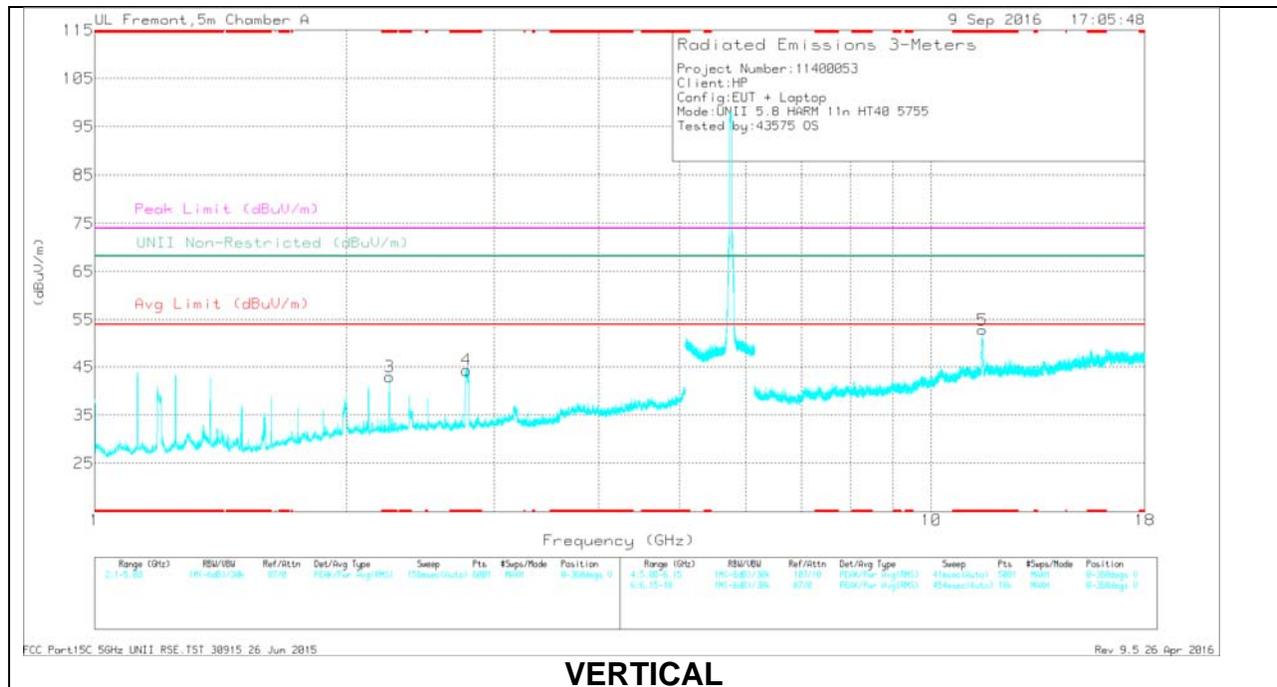
Pk - Peak detector  
 RMS - RMS detection

**HARMONICS AND SPURIOUS EMISSIONS**

**LOW CHANNEL RESULTS**



**HORIZONTAL**



**VERTICAL**

## LOW CHANNEL DATA

### Trace Markers

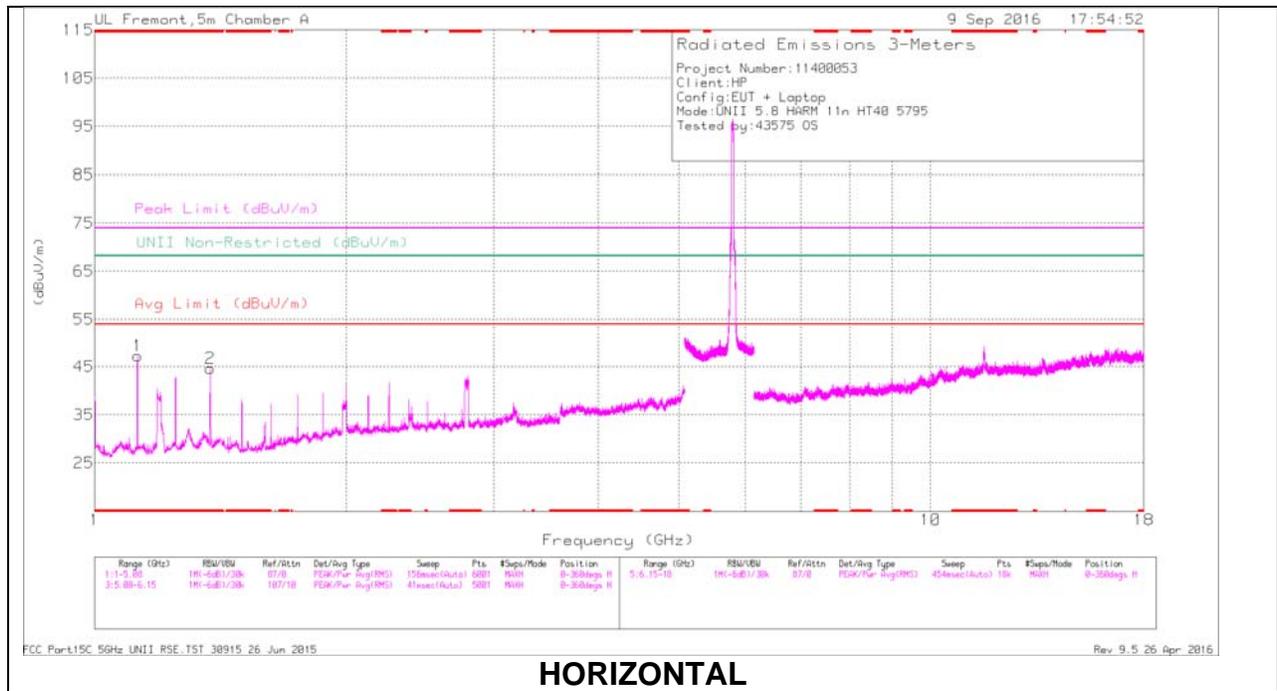
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbt/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.125	55.95	PK-U	27.9	-33.8	50.05	-	-	74	-23.95	-	-	210	190	H
	* 1.125	52.29	ADR	27.9	-33.8	46.39	54	-7.61	-	-	-	-	210	190	H
2	* 1.375	52.99	PK-U	29	-33.4	48.59	-	-	74	-25.41	-	-	161	186	H
	* 1.375	49.23	ADR	29	-33.4	44.83	54	-9.17	-	-	-	-	161	186	H
3	* 2.25	49.73	PK-U	31.8	-33	48.53	-	-	74	-25.47	-	-	251	285	V
	* 2.25	44.9	ADR	31.8	-33	43.7	54	-10.3	-	-	-	-	251	285	V
4	* 2.783	51.05	PK-U	32.6	-31.9	51.75	-	-	74	-22.25	-	-	302	258	V
	* 2.782	36.81	ADR	32.6	-31.9	37.51	54	-16.49	-	-	-	-	302	258	V
6	* 11.862	32.53	PK-U	38.6	-20.4	50.73	-	-	74	-23.27	-	-	349	235	H
	* 11.862	21.88	ADR	38.6	-20.4	40.08	54	-13.92	-	-	-	-	349	235	H
5	* 11.509	41.32	PK-U	38.2	-19.5	60.02	-	-	74	-13.98	-	-	170	127	V
	* 11.51	31.44	ADR	38.2	-19.5	50.14	54	-3.86	-	-	-	-	170	127	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

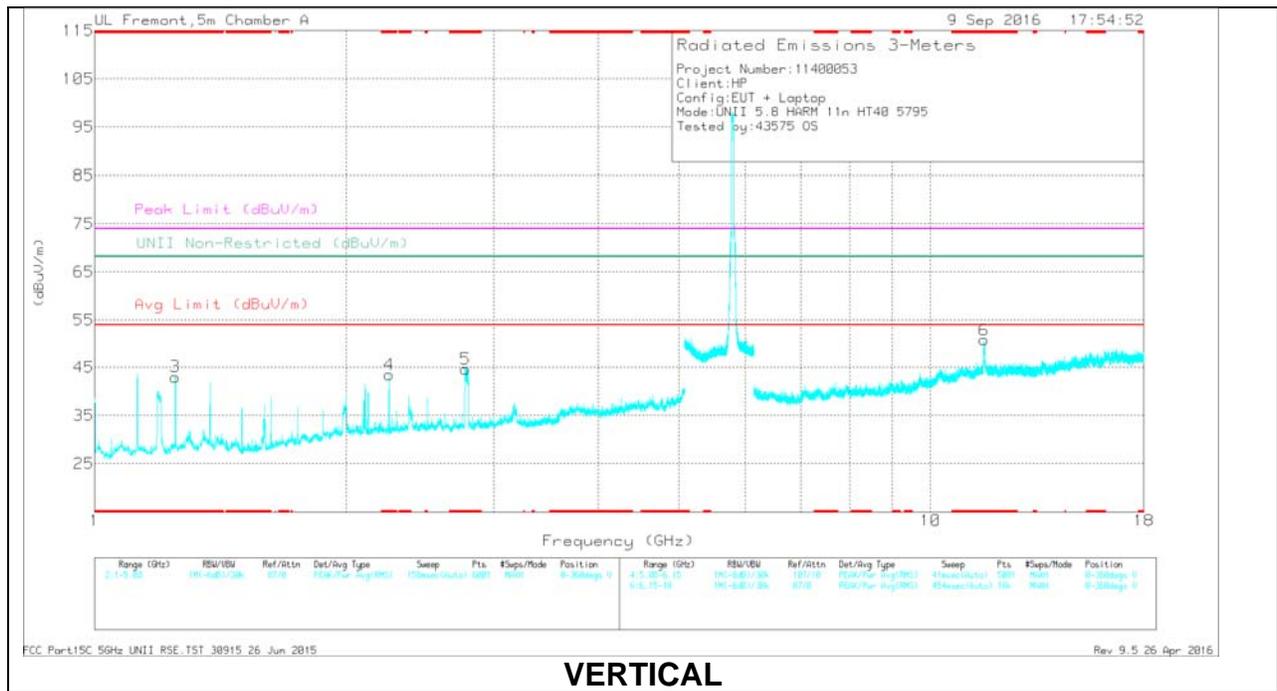
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### HIGH CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

## HIGH CHANNEL DATA

### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (db/m)	Amp/CbI/Fir/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	* 1.125	56.21	PK-U	27.9	-33.8	50.31	-	-	74	-23.69	-	-	209	193	H
	* 1.125	52.18	ADR	27.9	-33.8	46.28	54	-7.72	-	-	-	-	209	193	H
2	* 1.375	53.15	PK-U	29	-33.4	48.75	-	-	74	-25.25	-	-	158	191	H
	* 1.375	49.18	ADR	29	-33.4	44.78	54	-9.22	-	-	-	-	158	191	H
3	* 1.25	53.14	PK-U	28.6	-34.3	47.44	-	-	74	-26.56	-	-	332	287	V
	* 1.25	48.52	ADR	28.6	-34.3	42.82	54	-11.18	-	-	-	-	332	287	V
4	* 2.25	49.32	PK-U	31.8	-33	48.12	-	-	74	-25.88	-	-	251	287	V
	* 2.25	44.06	ADR	31.8	-33	42.86	54	-11.14	-	-	-	-	251	287	V
5	* 2.776	52.2	PK-U	32.6	-32	52.8	-	-	74	-21.2	-	-	292	255	V
	* 2.779	38.28	ADR	32.6	-31.9	38.98	54	-15.02	-	-	-	-	292	255	V
6	* 11.59	37.72	PK-U	38.3	-20.1	55.92	-	-	74	-18.08	-	-	195	124	V
	* 11.59	27.78	ADR	38.3	-20.1	45.98	54	-8.02	-	-	-	-	195	124	V

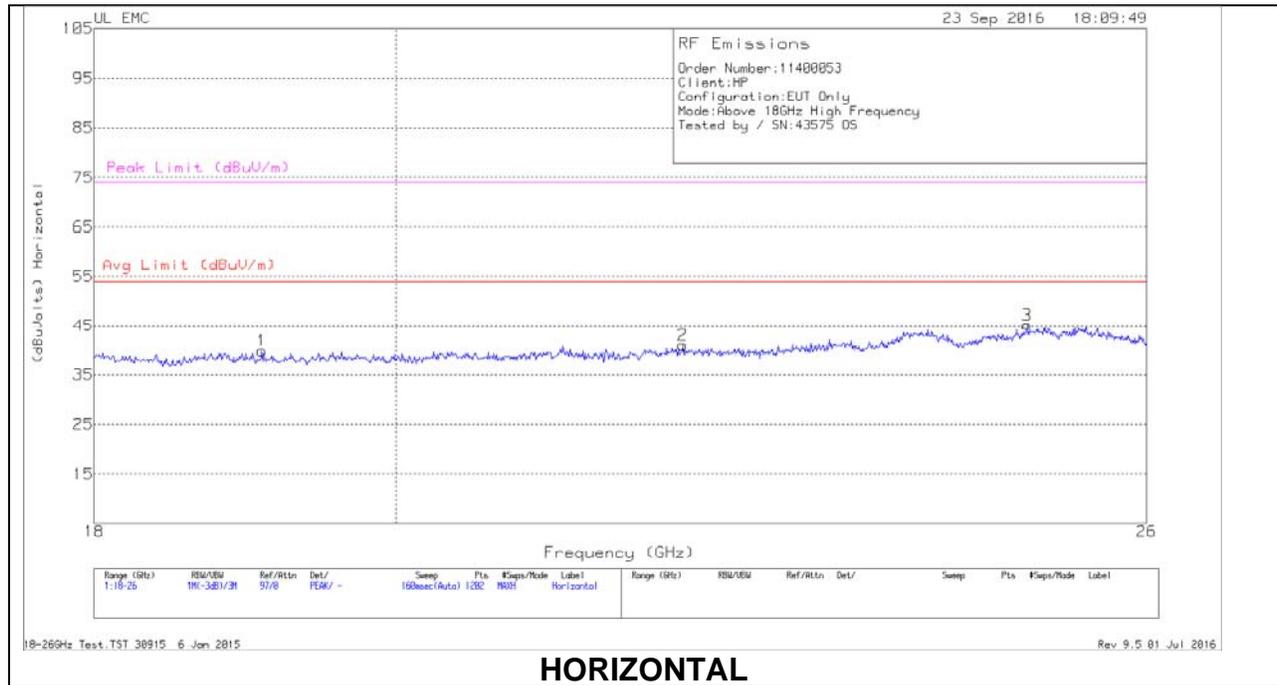
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

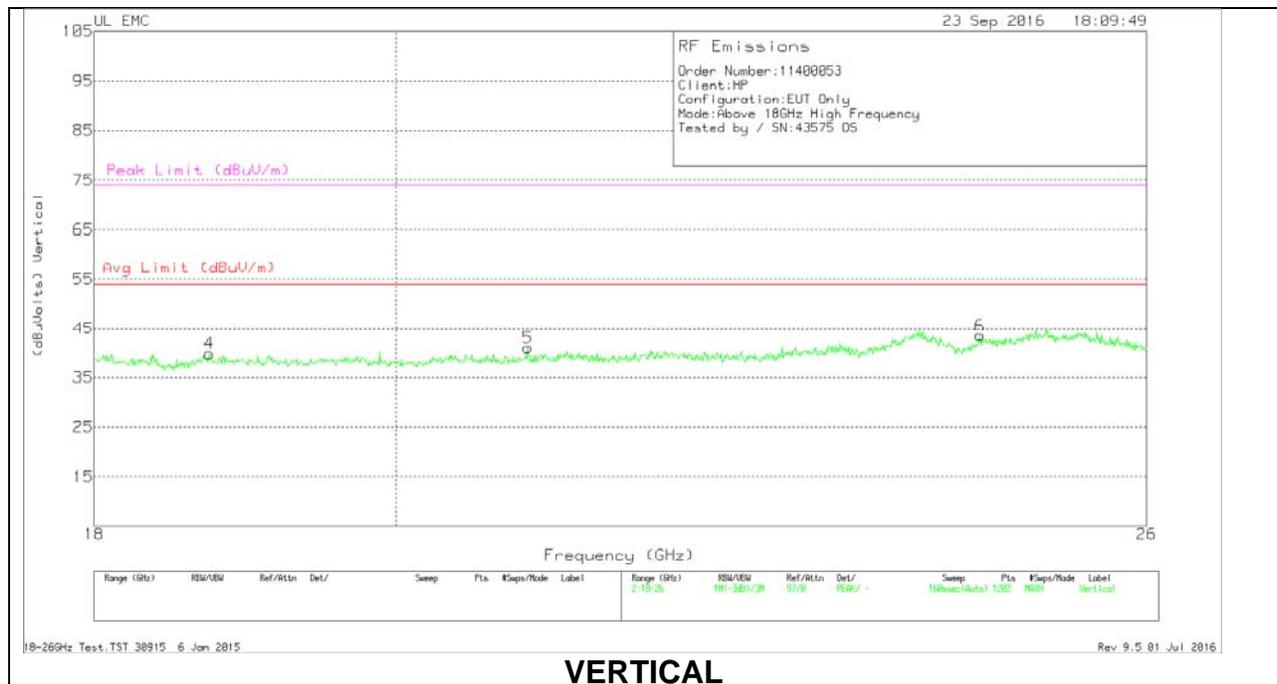
ADR - U-NII AD primary method, RMS average

### 5.3. WORST-CASE 18 GHz – 26 GHz

#### SPURIOUS EMISSIONS 18-26 GHz (WORST-CASE CONFIGURATION)



**HORIZONTAL**



**VERTICAL**

**DATA**

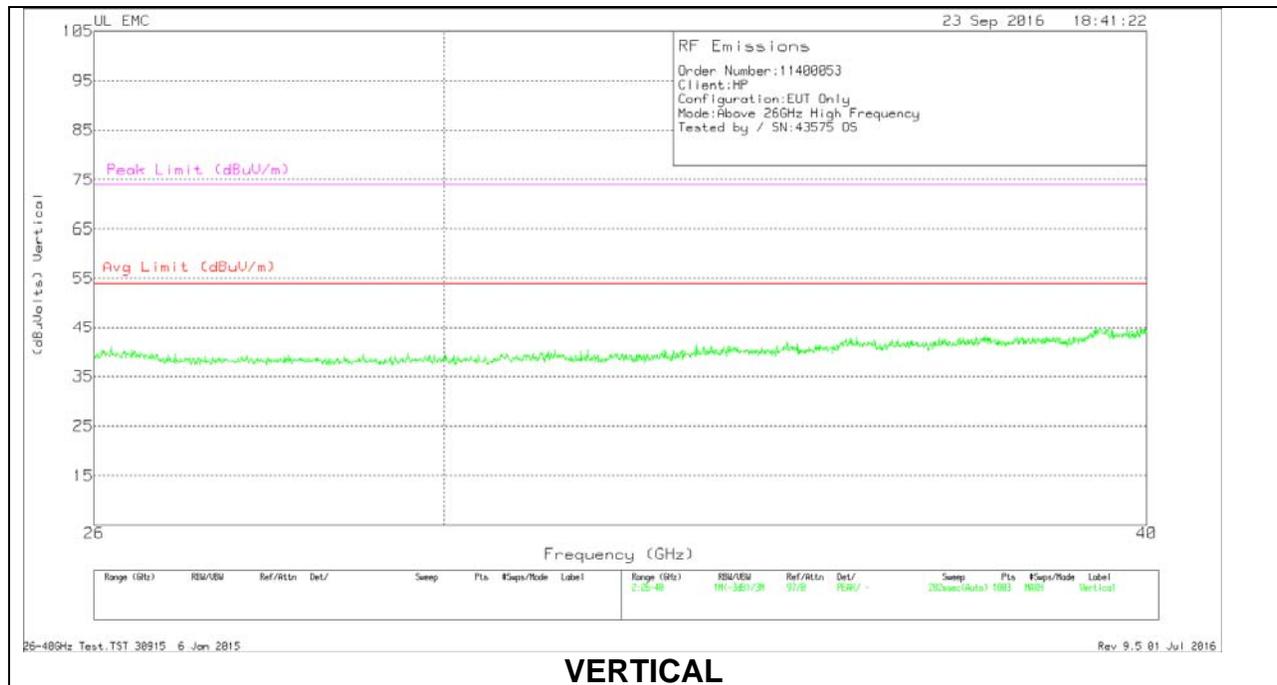
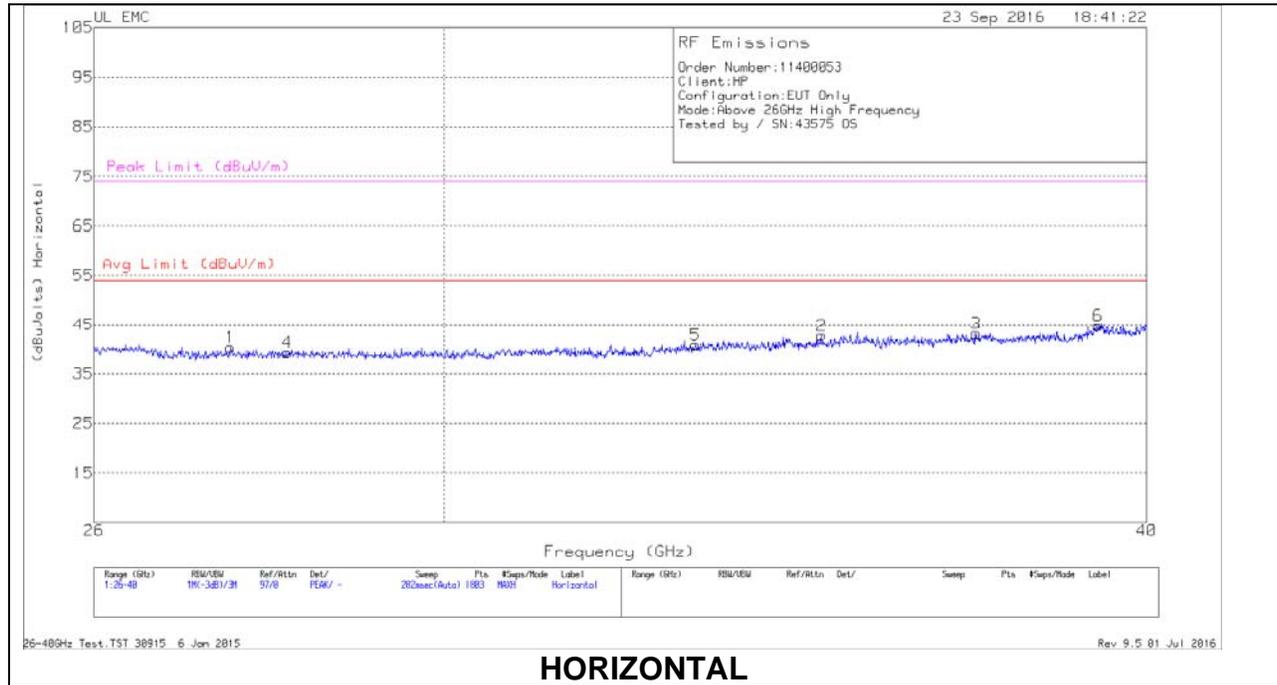
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T449 (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Corrected Reading (dBuVolts)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)
1	19.086	41.63	Pk	32.6	-24.9	-9.5	39.83	54	-14.17	74	-34.17
2	22.110	41.80	Pk	33.5	-24.8	-9.5	41.00	54	-13.00	74	-33.00
3	24.934	44.87	Pk	34.2	-24.4	-9.5	45.17	54	-8.83	74	-28.83
4	18.739	41.53	Pk	32.4	-24.6	-9.5	39.83	54	-14.17	74	-34.17
5	20.944	42.80	Pk	33.1	-25.4	-9.5	41.00	54	-13.00	74	-33.00
6	24.528	43.10	Pk	34.1	-24.2	-9.5	43.50	54	-10.50	74	-30.50

PK - Peak detector

### 5.4. WORST-CASE 26 GHz – 40 GHz

#### SPURIOUS EMISSIONS 26-40 GHz (WORST-CASE CONFIGURATION)



**DATA**

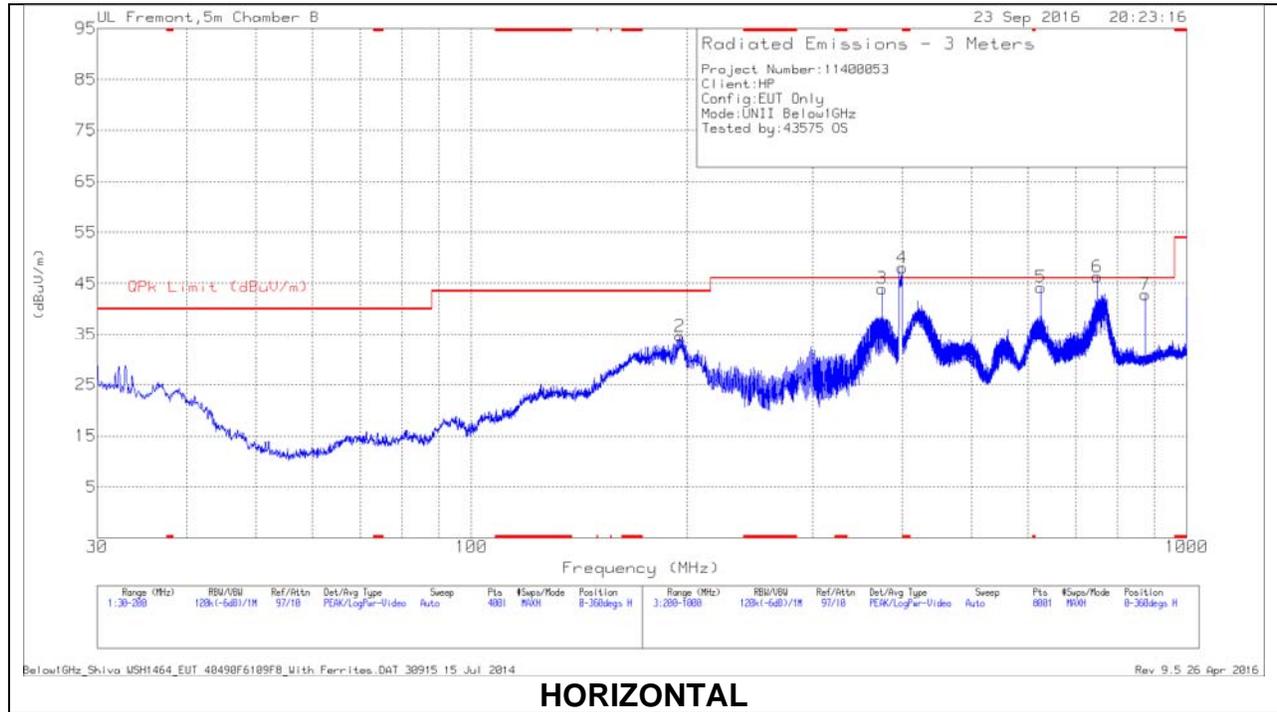
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	T90 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Corrected Reading (dBuVolts)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)
1	27.492	45.93	Pk	35.7	-31.8	-9.5	40.33	54	-13.67	74	-33.67
2	35.012	49.13	Pk	37.2	-34.0	-9.5	42.83	54	-11.17	74	-31.17
3	37.304	49.87	Pk	37.3	-34.5	-9.5	43.17	54	-10.83	74	-30.83
4	28.137	45.13	Pk	35.8	-32.1	-9.5	39.33	54	-14.67	74	-34.67
5	33.256	46.93	Pk	36.9	-33.5	-9.5	40.83	54	-13.17	74	-33.17
6	39.208	48.53	Pk	38.4	-32.6	-9.5	44.83	54	-9.17	74	-29.17

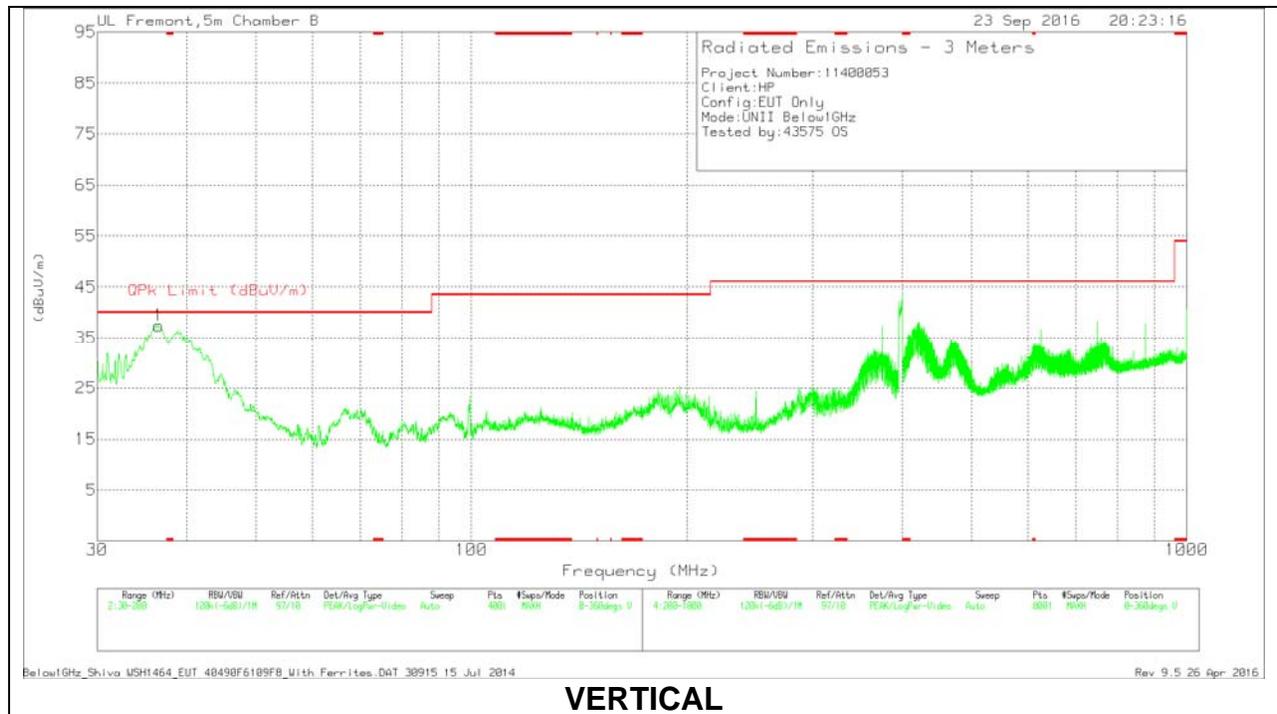
PK - Peak detector

### 5.5. WORST-CASE BELOW 1 GHz

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



**HORIZONTAL**



**VERTICAL**

**DATA**

Trace Markers

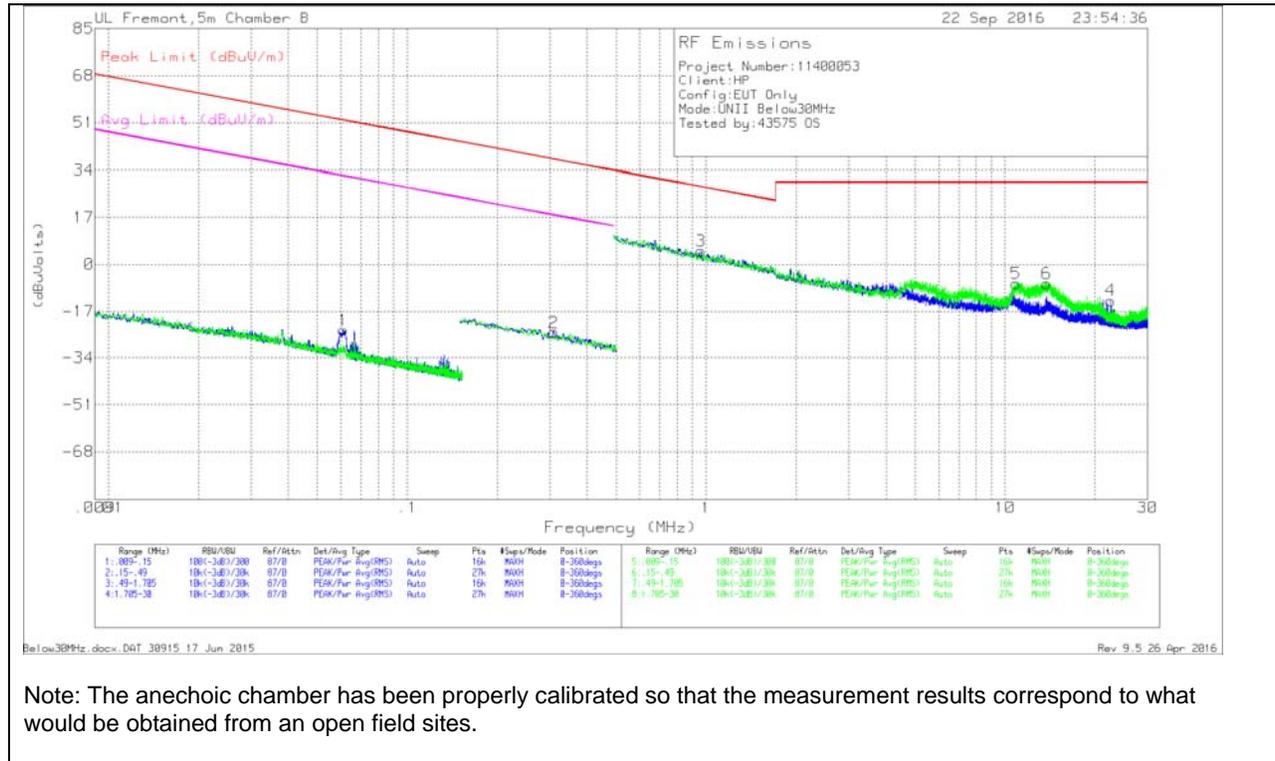
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T477 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	36.972	40.84	Qp	20.3	-28.8	32.34	40.00	-7.66	254	106	V
2	195.7772	40.86	Qp	16.0	-27.1	29.76	43.52	-13.76	242	160	H
3	375.0131	47.06	Qp	18.9	-26.2	39.76	46.02	-6.26	125	101	H
4	399.8249	52.59	Qp	19.6	-26.3	45.89	46.02	-.13	123	103	H
5	625.0368	46.64	Qp	23.3	-25.9	44.04	46.02	-1.98	287	150	H
6	750.0388	46.24	Qp	24.5	-25.0	45.74	46.02	-.28	196	112	H
7	875.0519	40.43	Qp	25.8	-24.1	42.13	46.02	-3.89	196	101	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Qp - Quasi-Peak detector

## 5.6. WORST-CASE BELOW 30 MHz

### SPURIOUS EMISSIONS 0.009-30 MHz (WORST-CASE CONFIGURATION)



Note: The anechoic chamber has been properly calibrated so that the measurement results correspond to what would be obtained from an open field sites.

## DATA

### Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cbl (dB)	Dist Corr 300m	Corrected Reading (dBuVolts)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
1	.06108	43.77	Pk	11.1	1.4	-80	-23.73	51.89	-75.62	31.89	-55.62	0-360
2	.30907	42.93	PK	10.8	1.5	-80	-24.77	37.8	-62.57	17.8	-42.57	0-360
3	.96109	32.66	PK	10.7	1.5	-40	4.86	27.95	-23.09	-	-	0-360
5	10.8760	20.63	PK	10.8	1.6	-40	-6.97	29.54	-36.51	-	-	0-360
6	13.7790	20.84	PK	10.6	1.6	-40	-6.96	29.54	-36.5	-	-	0-360
4	22.5533	15.61	PK	9.6	1.7	-40	-13.09	29.54	-42.63	-	-	0-360

PK - Peak detector

## 6. AC POWER LINE CONDUCTED EMISSIONS

### LIMITS

FCC §15.207 (a)

RSS-Gen 8.8

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

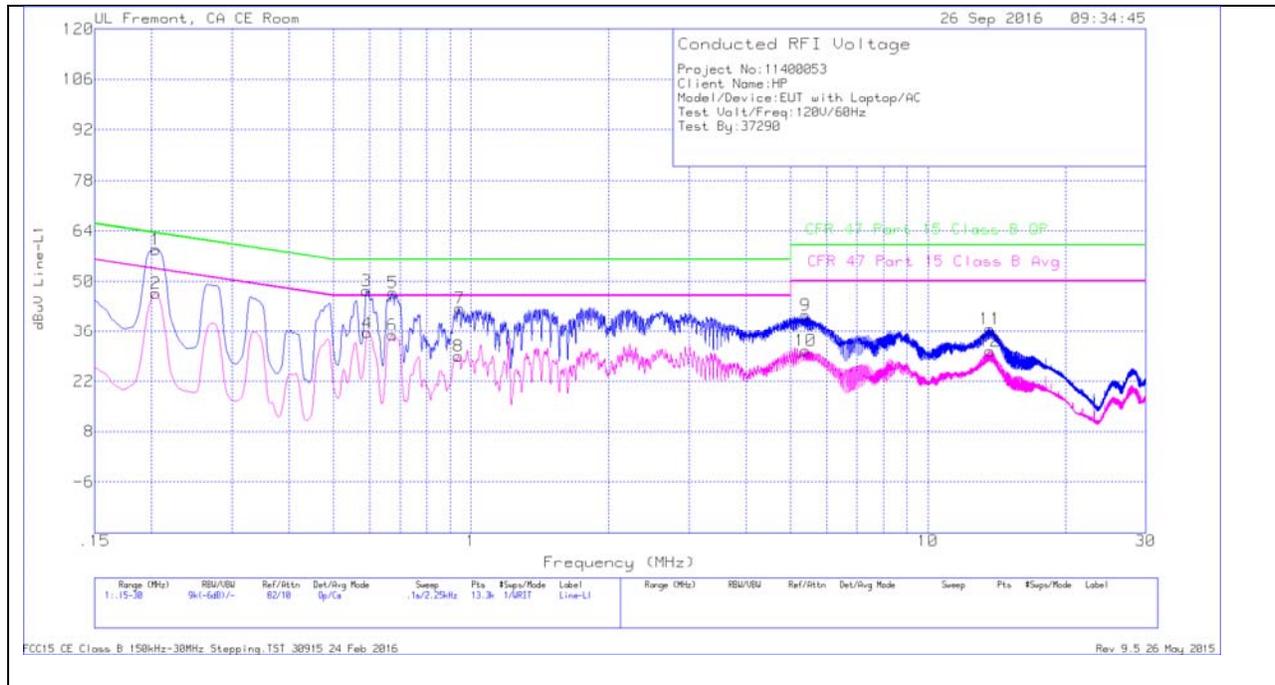
The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.10.

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

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

### RESULTS

### LINE 1 RESULTS



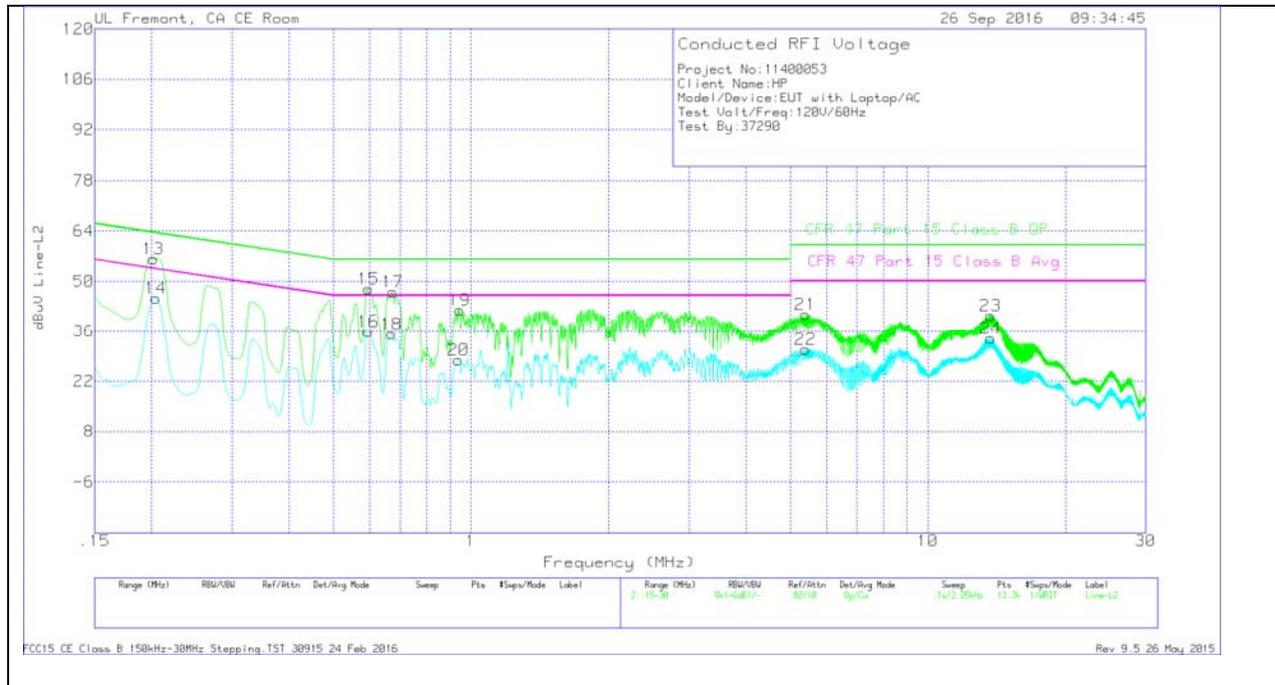
Range 1: Line-L1 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L1	LC Cables 1&3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
1	.204	48.7	Qp	0	0	10.1	58.8	63.45	-4.65	-	-
2	.204	36.62	Ca	0	0	10.1	46.72	-	-	53.45	-6.73
3	.591	37.33	Qp	0	0	10.1	47.43	56	-8.57	-	-
4	.59325	25.53	Ca	0	0	10.1	35.63	-	-	46	-10.37
5	.67425	36.72	Qp	0	0	10.1	46.82	56	-9.18	-	-
6	.672	24.86	Ca	0	0	10.1	34.96	-	-	46	-11.04
7	.94425	32.48	Qp	0	0	10.1	42.58	56	-13.42	-	-
8	.9375	18.9	Ca	0	0	10.1	29	-	-	46	-17
9	5.40375	30.4	Qp	0	.1	10.1	40.6	60	-19.4	-	-
10	5.406	20.35	Ca	0	.1	10.1	30.55	-	-	50	-19.45
11	13.668	26.34	Qp	.1	.2	10.2	36.84	60	-23.16	-	-
12	13.668	19.91	Ca	.1	.2	10.2	30.41	-	-	50	-19.59

Qp - Quasi-Peak detector

Ca - CISPR average detection

### LINE 2 RESULTS



Range 2: Line-L2 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L2	LC Cables 2&3	Limiters (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
13	.20175	46.23	Qp	0	0	10.1	56.33	63.54	-7.21	-	-
14	.204	35.27	Ca	0	0	10.1	45.37	-	-	53.45	-8.08
15	.5955	37.88	Qp	0	0	10.1	47.98	56	-8.02	-	-
16	.5955	25.9	Ca	0	0	10.1	36	-	-	46	-10
17	.67425	36.98	Qp	0	0	10.1	47.08	56	-8.92	-	-
18	.66975	25.17	Ca	0	0	10.1	35.27	-	-	46	-10.73
19	.94425	31.98	Qp	0	0	10.1	42.08	56	-13.92	-	-
20	.93975	17.86	Ca	0	0	10.1	27.96	-	-	46	-18.04
21	5.40375	30.61	Qp	0	.1	10.1	40.81	60	-19.19	-	-
22	5.406	20.69	Ca	0	.1	10.1	30.89	-	-	50	-19.11
23	13.73325	29.97	Qp	.1	.2	10.2	40.47	60	-19.53	-	-
24	13.73325	23.56	Ca	.1	.2	10.2	34.06	-	-	50	-15.94

Qp - Quasi-Peak detector

Ca - CISPR average detection