

**RADIATED EMISSIONS**

Radiated Emissions

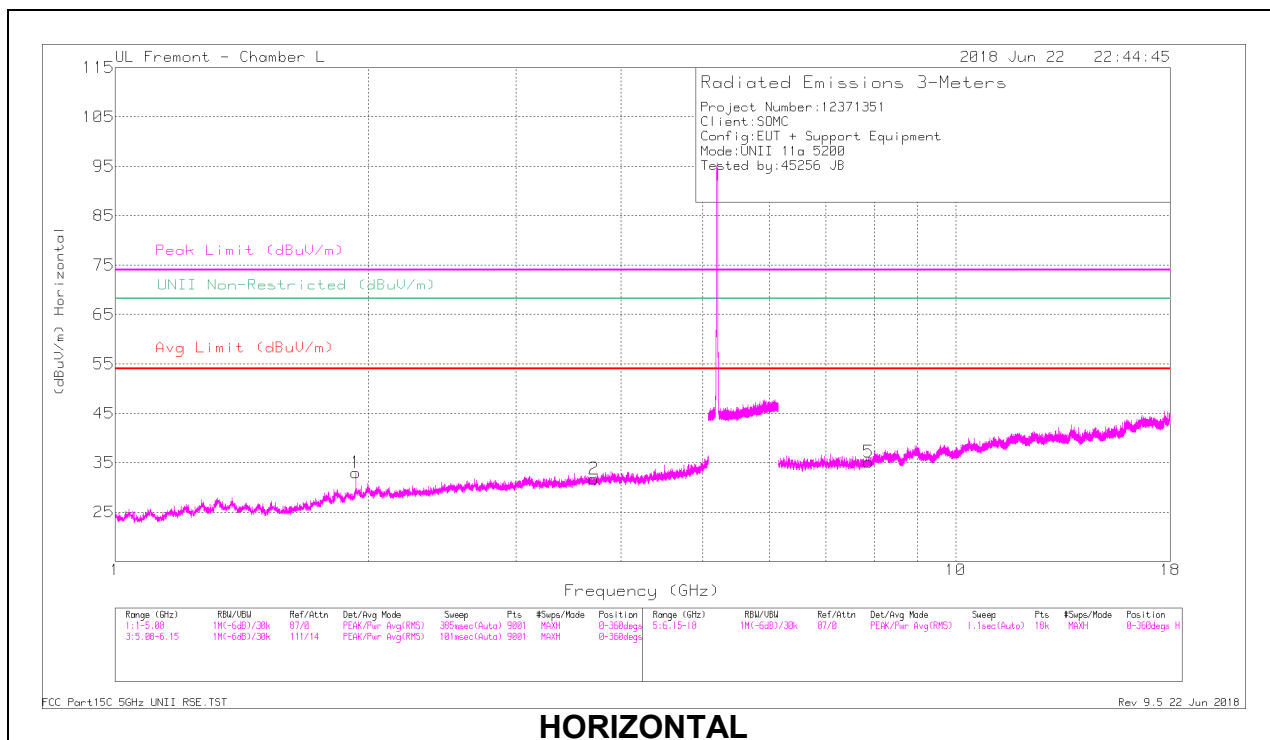
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.004	37.62	PK-U	31.7	-32.9	0	36.42	-	-	-	-	68.2	-31.78	208	307	H
2	* 3.854	35.85	PK-U	33.7	-30.1	0	39.45	-	-	74	-34.55	-	-	283	375	H
	* 3.853	26.63	ADR	33.7	-30.1	0	30.23	54	-23.77	-	-	-	-	283	375	H
3	2.056	38.55	PK-U	31.5	-33.1	0	36.95	-	-	-	-	68.2	-31.25	282	258	V
4	* 3.957	37.24	PK-U	33.6	-30	0	40.84	-	-	74	-33.16	-	-	357	333	V
	* 3.956	26.47	ADR	33.6	-29.9	0	30.17	54	-23.83	-	-	-	-	357	333	V
5	7.858	31.18	PK-U	35.9	-24.5	0	42.58	-	-	-	-	68.2	-25.62	57	284	H
6	7.866	31.1	PK-U	35.9	-24.6	0	42.4	-	-	-	-	68.2	-25.8	279	325	V

\* - indicates frequency in CFR47 Pt 15 Restricted Band

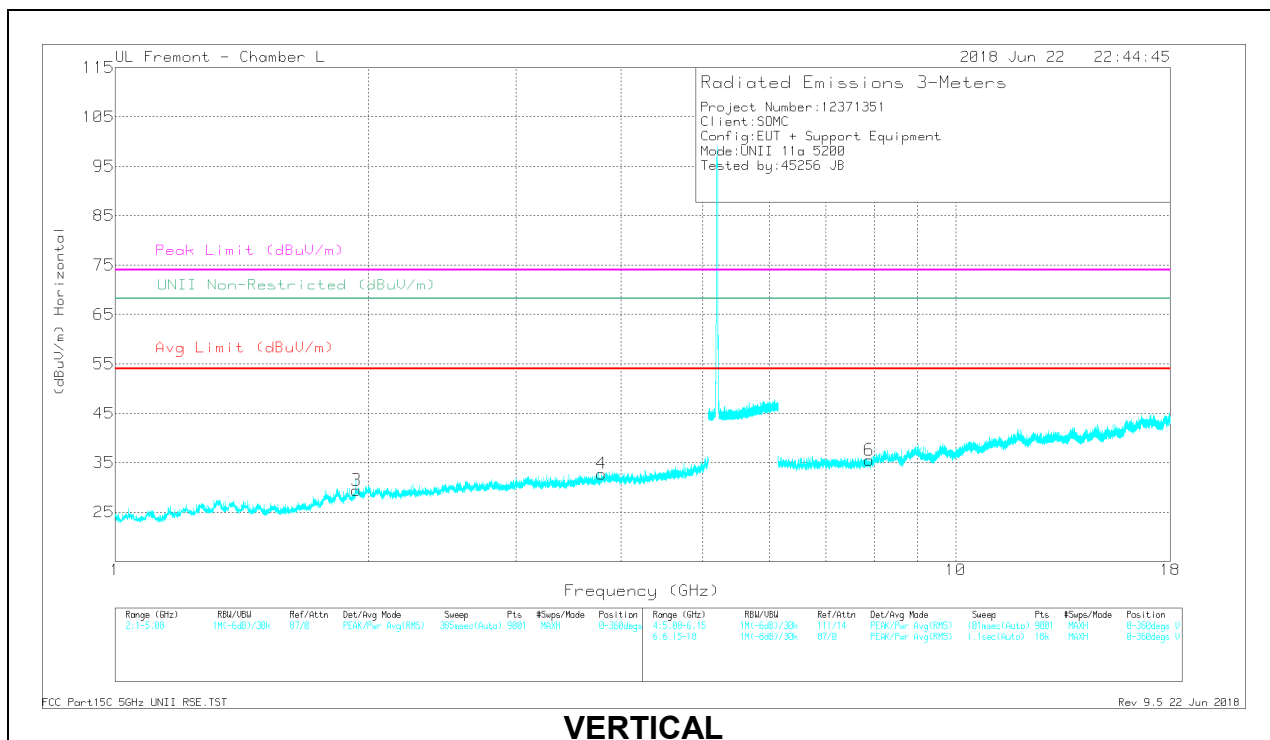
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### MID CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Radiated Emissions

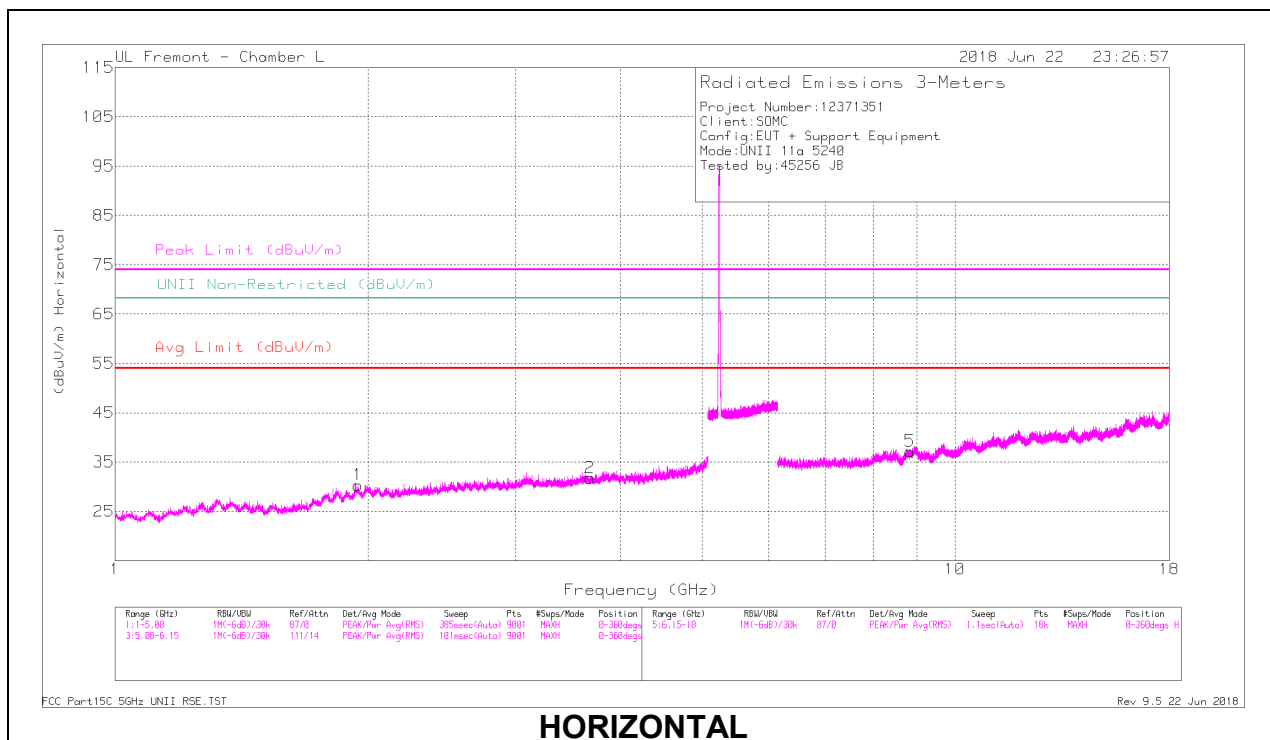
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.932	40.08	PK-U	31.3	-33.5	0	37.88	-	-	-	-	68.2	-30.32	98	154	H
2	* 3.71	35.67	PK-U	33.2	-29.9	0	38.97	-	-	74	-35.03	-	-	80	177	H
	* 3.708	26.93	ADR	33.2	-29.9	0	30.23	54	-23.77	-	-	-	-	80	177	H
3	1.938	39.71	PK-U	31.4	-33.4	0	37.71	-	-	-	-	68.2	-30.49	234	239	V
4	* 3.792	36.93	PK-U	33.7	-30.9	0	39.73	-	-	74	-34.27	-	-	133	113	V
	* 3.792	27.01	ADR	33.7	-30.9	0	29.81	54	-24.19	-	-	-	-	133	113	V
5	7.878	32.76	PK-U	35.9	-24.7	0	43.96	-	-	-	-	68.2	-24.24	292	156	H
6	7.887	31.42	PK-U	35.9	-24.6	0	42.72	-	-	-	-	68.2	-25.48	218	335	V

\* - indicates frequency in CFR47 Pt 15 Restricted Band

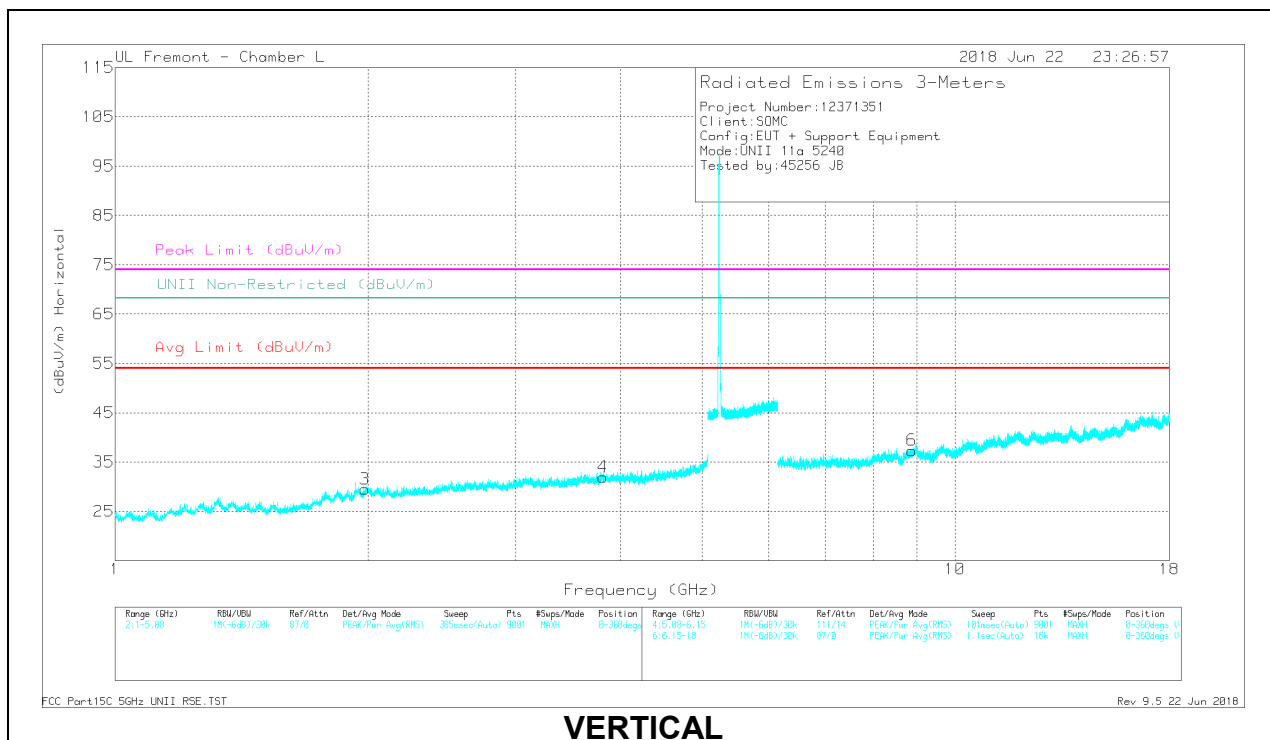
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### HIGH CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.947	38.8	PK-U	31.4	-33.2	0	37	-	-	-	-	68.2	-31.2	245	163	H
2	* 3.674	35.79	PK-U	33.2	-30.1	0	38.89	-	-	74	-35.11	-	-	60	240	H
	* 3.675	26.29	ADR	33.2	-30.1	0	29.39	54	-24.61	-	-	-	-	60	240	H
3	1.984	38.14	PK-U	31.6	-32.9	0	36.84	-	-	-	-	68.2	-31.36	97	288	V
4	* 3.808	36	PK-U	33.7	-30.6	0	39.1	-	-	74	-34.9	-	-	203	250	V
	* 3.808	27.4	ADR	33.7	-30.6	0	30.5	54	-23.5	-	-	-	-	203	250	V
5	8.839	32.04	PK-U	36.2	-23.1	0	45.14	-	-	-	-	68.2	-23.06	67	270	H
6	8.881	31.21	PK-U	36.2	-23.4	0	44.01	-	-	-	-	68.2	-24.19	181	321	V

\* - indicates frequency in CFR47 Pt 15 Restricted Band

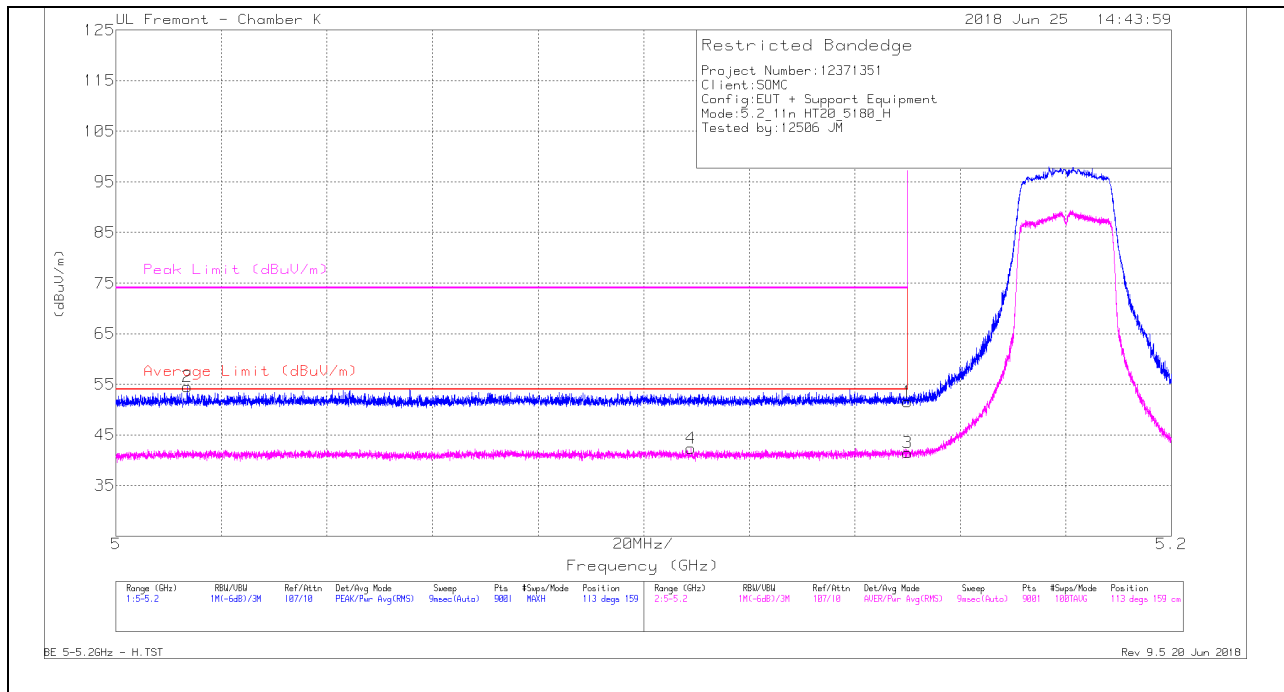
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

**9.1.2. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.2 GHz BAND**

**BANDEDGE (LOW CHANNEL)**

**HORIZONTAL RESULT**



**Trace Markers**

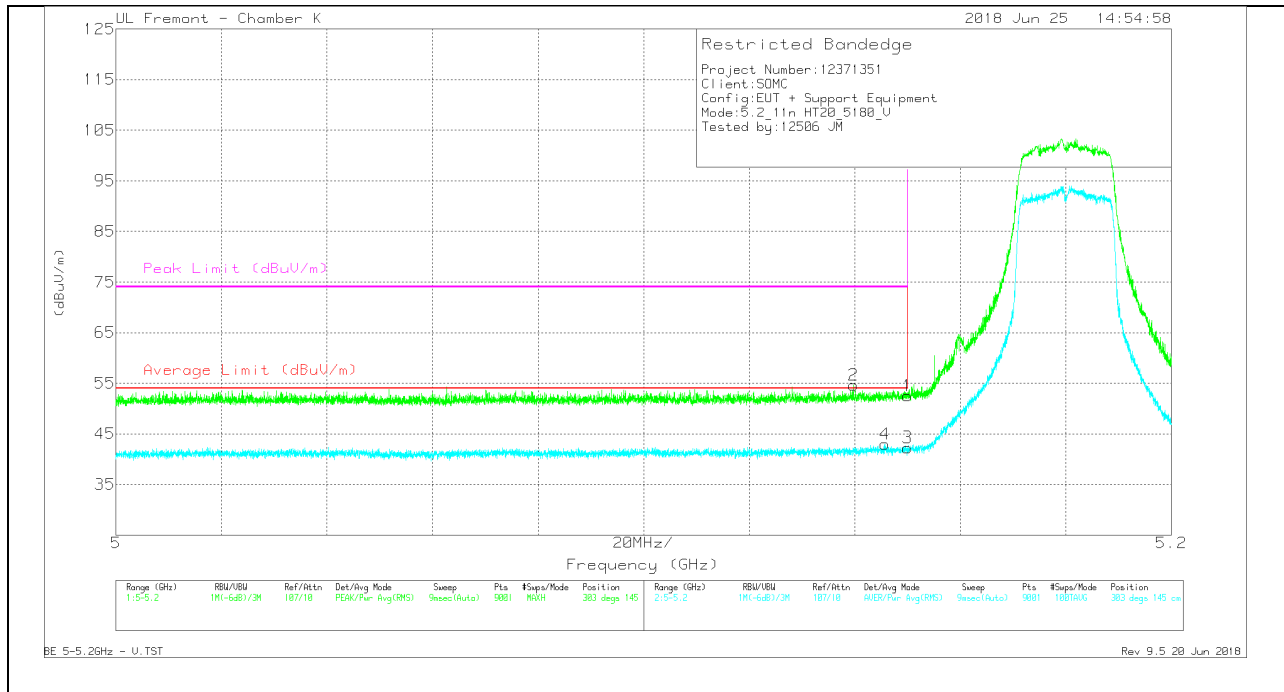
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB)	Amp/Cb/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	38.28	Pk	34.4	-21.1	51.58	-	-	74	-22.42	113	159	H
2	* 5.014	41.69	Pk	34.3	-21.5	54.49	-	-	74	-19.51	113	159	H
3	* 5.15	28.17	RMS	34.4	-21.1	41.47	54	-12.53	-	-	113	159	H
4	* 5.109	29.2	RMS	34.4	-21.2	42.4	54	-11.6	-	-	113	159	H

\* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULT



### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB)	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
1	* 5.15	39.19	Pk	34.4	-21.1	52.49	-	-	74	-21.51	303	145	V
2	* 5.14	41.31	Pk	34.4	-21.1	54.61	-	-	74	-19.39	303	145	V
3	* 5.15	28.98	RMS	34.4	-21.1	42.28	54	-11.72	-	-	303	145	V
4	* 5.146	29.72	RMS	34.4	-21.1	43.02	54	-10.98	-	-	303	145	V

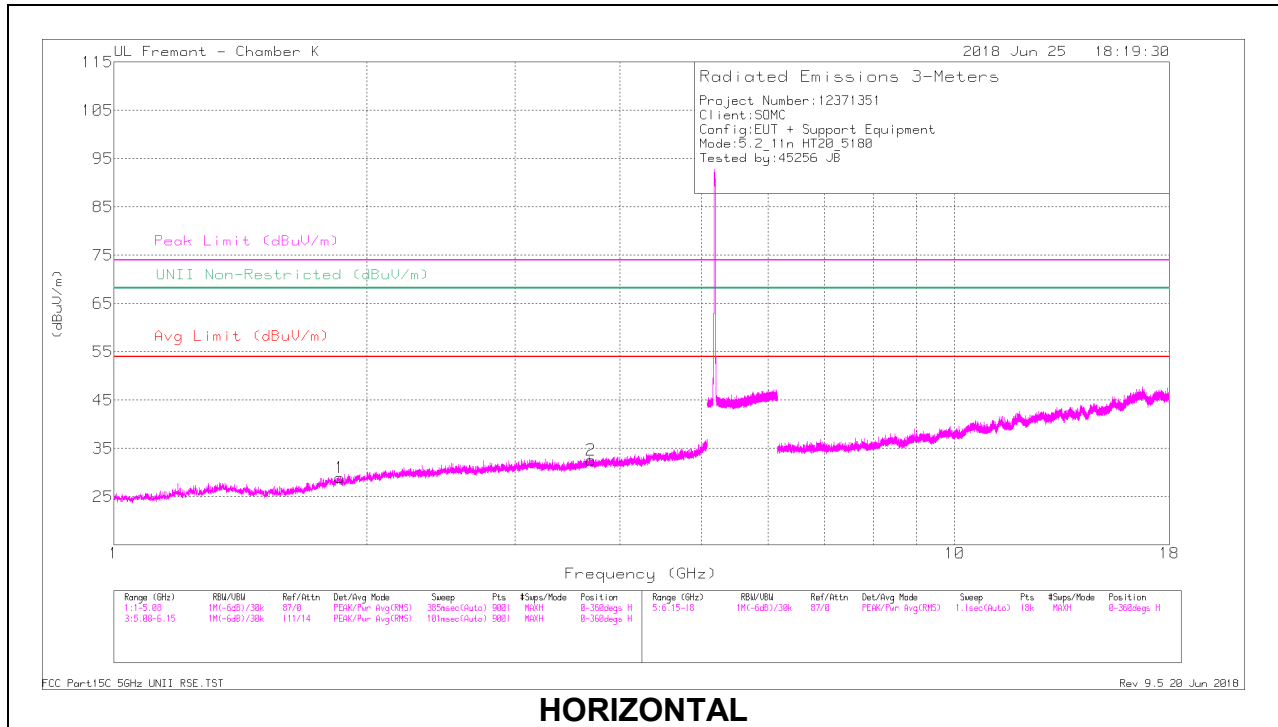
\* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

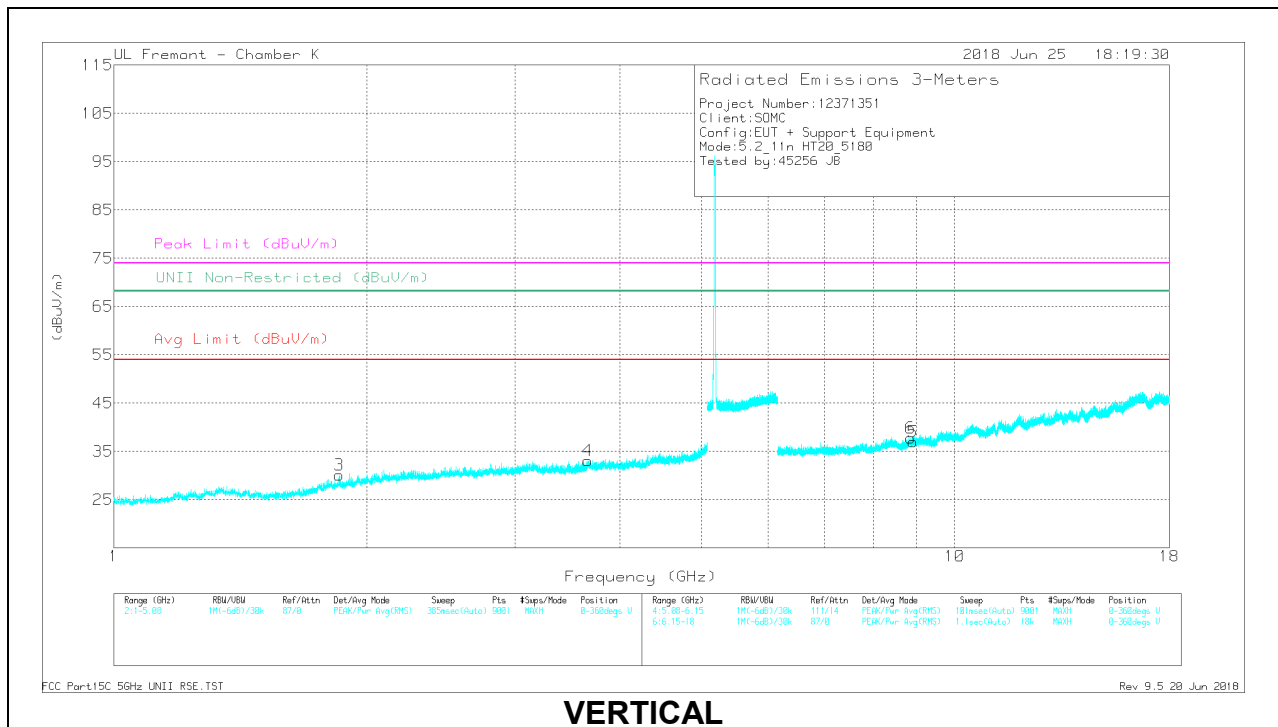
RMS - RMS detection

**HARMONICS AND SPURIOUS EMISSIONS**

**LOW CHANNEL RESULTS**



**HORIZONTAL**



**VERTICAL**



**RADIATED EMISSIONS**

Radiated Emissions

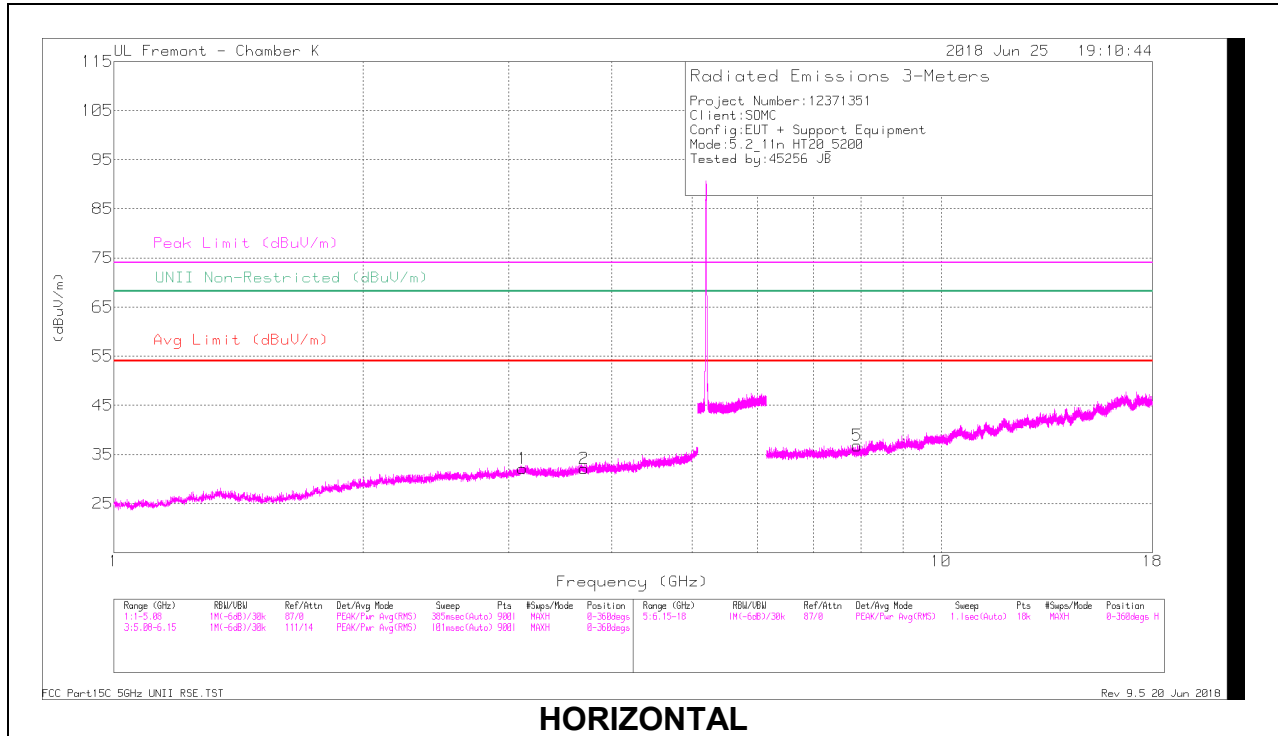
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.859	41.72	PK-U	30.4	-35.5	0	36.62	-	-	-	-	68.2	-31.58	163	146	H
2	* 3.695	39.31	PK-U	33.2	-32.4	0	40.11	-	-	74	-33.89	-	-	45	167	H
	* 3.693	30.22	ADR	33.1	-32.4	0	30.92	54	-23.08	-	-	-	-	45	167	H
3	1.856	41.97	PK-U	30.4	-35.4	0	36.97	-	-	-	-	68.2	-31.23	352	346	V
4	* 3.66	39.43	PK-U	33	-32.8	0	39.63	-	-	74	-34.37	-	-	269	132	V
	* 3.662	30.78	ADR	33	-32.8	0	30.98	54	-23.02	-	-	-	-	269	132	V
5	8.925	33.09	PK-U	36.1	-24.5	0	44.69	-	-	-	-	68.2	-23.51	43	303	V
6	8.861	32.01	PK-U	36.1	-24.5	0	43.61	-	-	-	-	68.2	-24.59	31	298	V

\* - indicates frequency in CFR47 Pt 15 Restricted Band

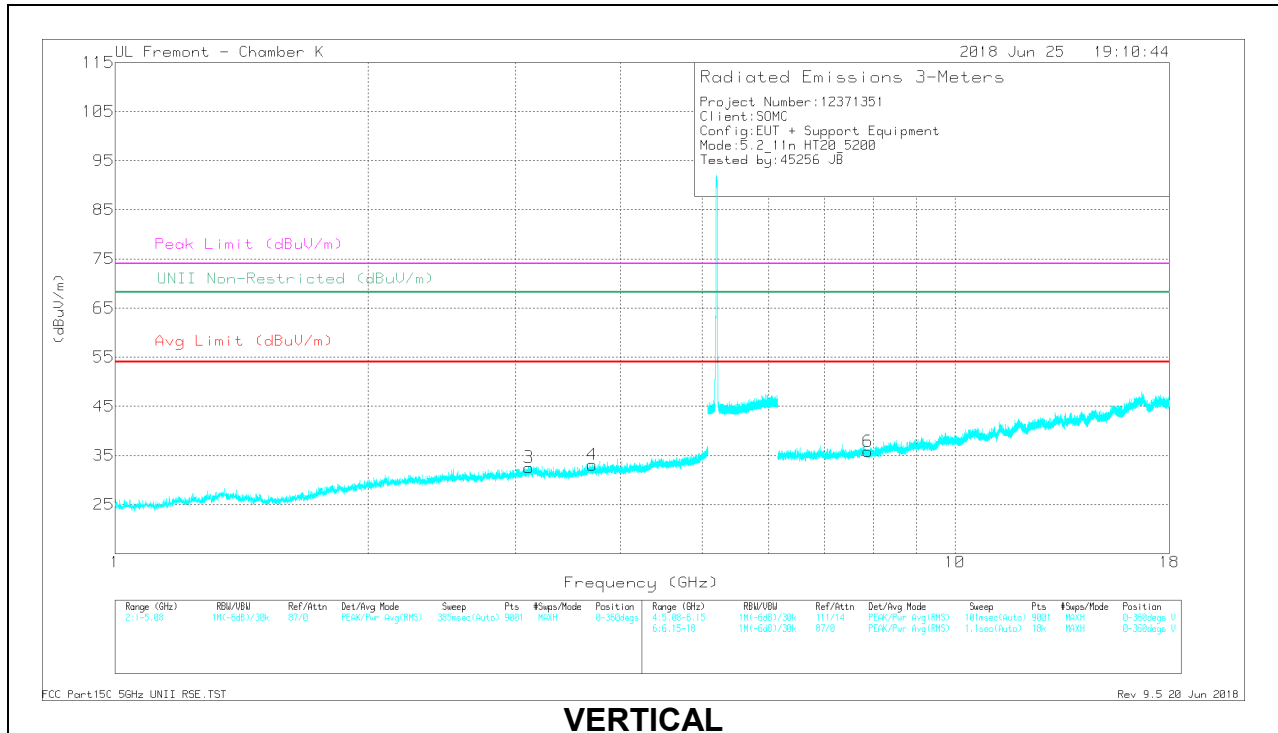
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### MID CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Radiated Emissions

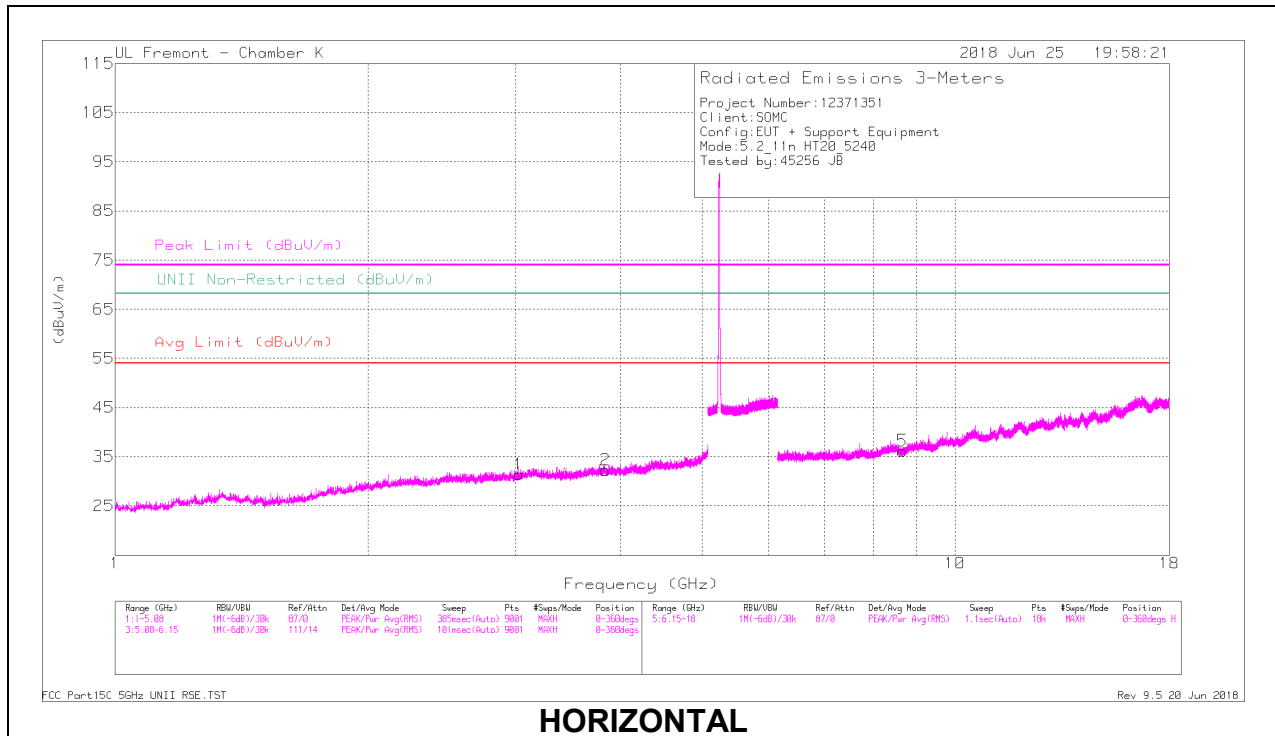
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	3.119	41.06	PK-U	32.9	-34.2	0	39.76	-	-	-	-	68.2	-28.44	229	170	H
2	* 3.702	39.2	PK-U	33.2	-32.5	0	39.9	-	-	74	-34.1	-	-	6	277	H
	* 3.703	29.18	ADR	33.2	-32.5	0	29.88	54	-24.12	-	-	-	-	6	277	H
3	3.109	41.02	PK-U	32.9	-34.4	0	39.52	-	-	-	-	68.2	-28.68	148	119	V
4	* 3.698	39.69	PK-U	33.2	-32.4	0	40.49	-	-	74	-33.51	-	-	284	264	V
	* 3.702	29.9	ADR	33.2	-32.5	0	30.6	54	-23.4	-	-	-	-	284	264	V
5	7.912	34.08	PK-U	35.7	-26.6	0	43.18	-	-	-	-	68.2	-25.02	60	180	H
6	7.871	33.06	PK-U	35.8	-26.6	0	42.26	-	-	-	-	68.2	-25.94	154	145	V

\* - indicates frequency in CFR47 Pt 15 Restricted Band

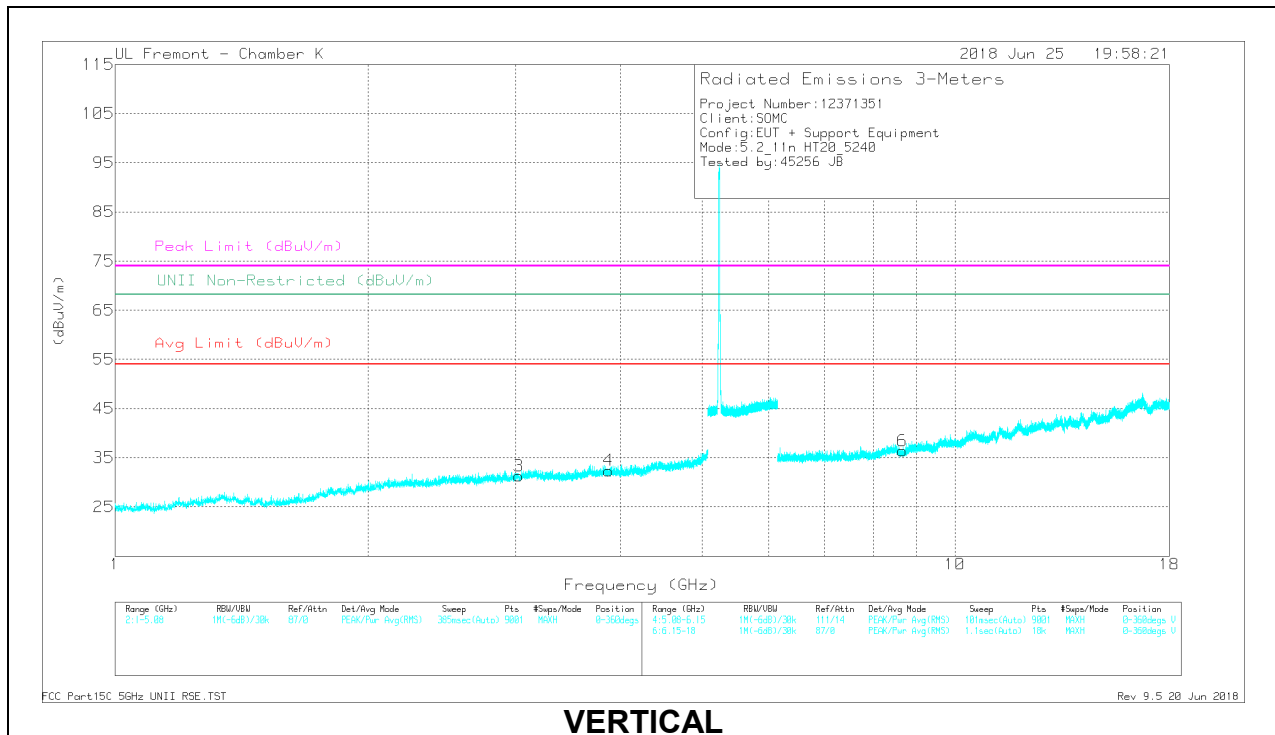
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### HIGH CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

## RADIATED EMISSIONS

### Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	3.025	40.37	PK-U	32.9	-34.6	0	38.67	-	-	-	-	68.2	-29.53	46	142	H
2	* 3.836	38.43	PK-U	33.4	-32.3	0	39.53	-	-	74	-34.47	-	-	359	197	H
	* 3.836	29	ADR	33.4	-32.3	0	30.1	54	-23.9	-	-	-	-	359	197	H
3	3.025	40.34	PK-U	32.9	-34.6	0	38.64	-	-	-	-	68.2	-29.56	323	126	V
4	* 3.869	39.68	PK-U	33.4	-32.3	0	40.78	-	-	74	-33.22	-	-	268	334	V
	* 3.873	29.16	ADR	33.4	-32.3	0	30.26	54	-23.74	-	-	-	-	268	334	V
5	8.662	32.6	PK-U	35.9	-25.2	0	43.3	-	-	-	-	68.2	-24.9	319	142	H
6	8.664	32.86	PK-U	35.9	-25.2	0	43.56	-	-	-	-	68.2	-24.64	260	389	V

\* - indicates frequency in CFR47 Pt 15 Restricted Band

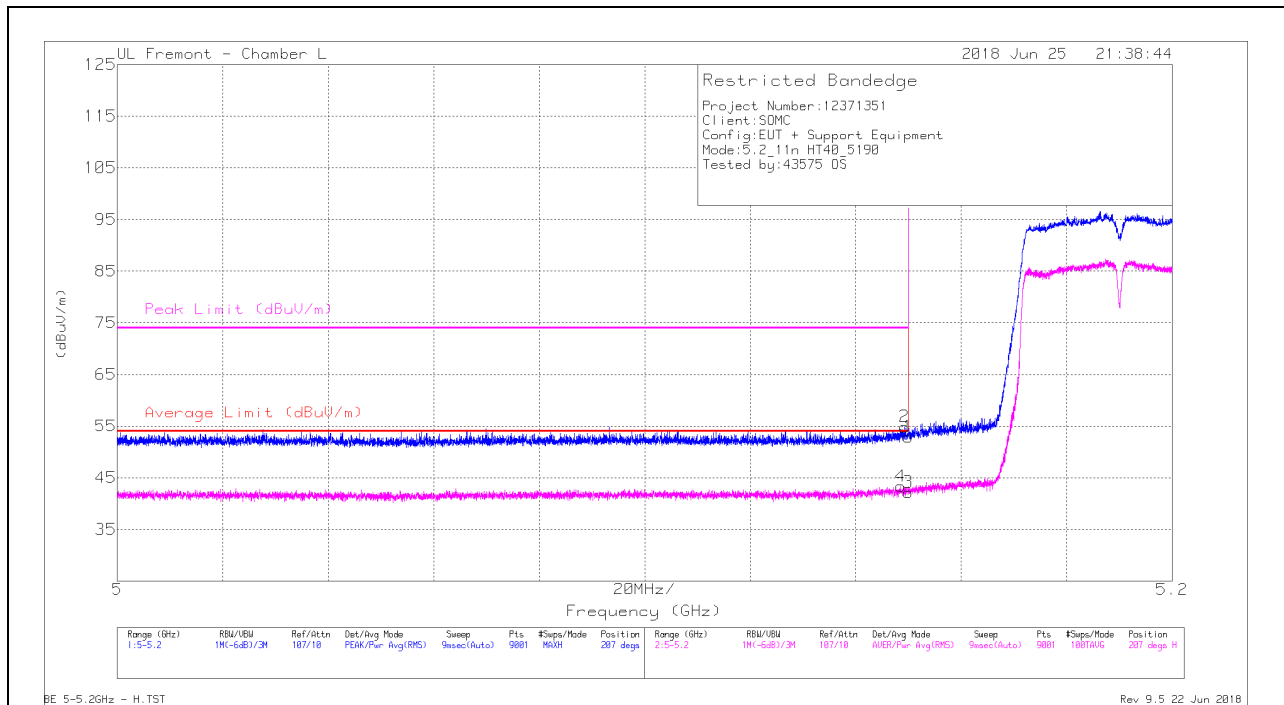
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

**9.1.3. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.2 GHz BAND**

**BANDEDGE (LOW CHANNEL)**

**HORIZONTAL RESULT**



**Trace Markers**

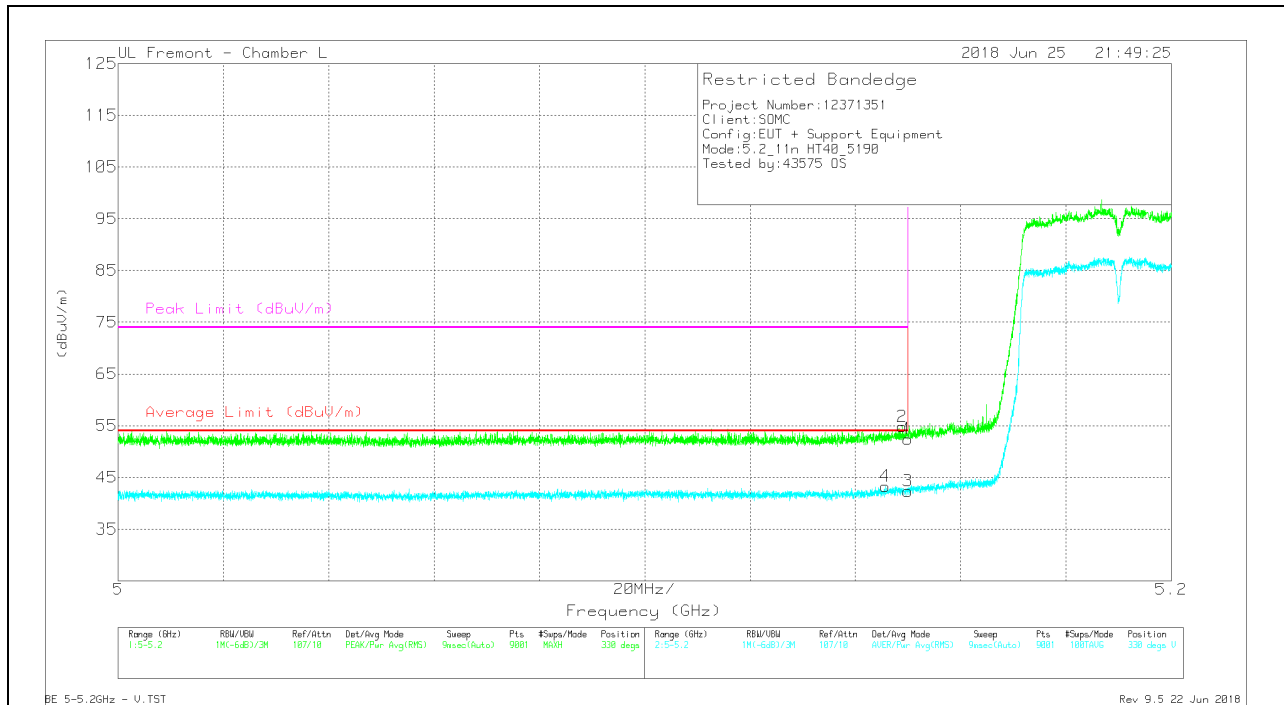
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	37.72	Pk	34.4	-19.2	0	52.92	-	-	74	-21.08	207	137	H
2	* 5.149	39.69	Pk	34.4	-19.2	0	54.89	-	-	74	-19.11	207	137	H
3	* 5.15	26.72	RMS	34.4	-19.2	.27	42.19	54	-11.81	-	-	207	137	H
4	* 5.149	27.9	RMS	34.4	-19.2	.27	43.37	54	-10.63	-	-	207	137	H

\* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULT



#### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dB/m)	Amp/Cb/Fltr/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	* 5.15	37.24	Pk	34.4	-19.2	0	52.44	-	-	74	-21.56	330	303	V
2	* 5.149	39.61	Pk	34.4	-19.2	0	54.81	-	-	74	-19.19	330	303	V
3	* 5.15	26.89	RMS	34.4	-19.2	.27	42.36	54	-11.64	-	-	330	303	V
4	* 5.146	27.79	RMS	34.4	-19.2	.27	43.26	54	-10.74	-	-	330	303	V

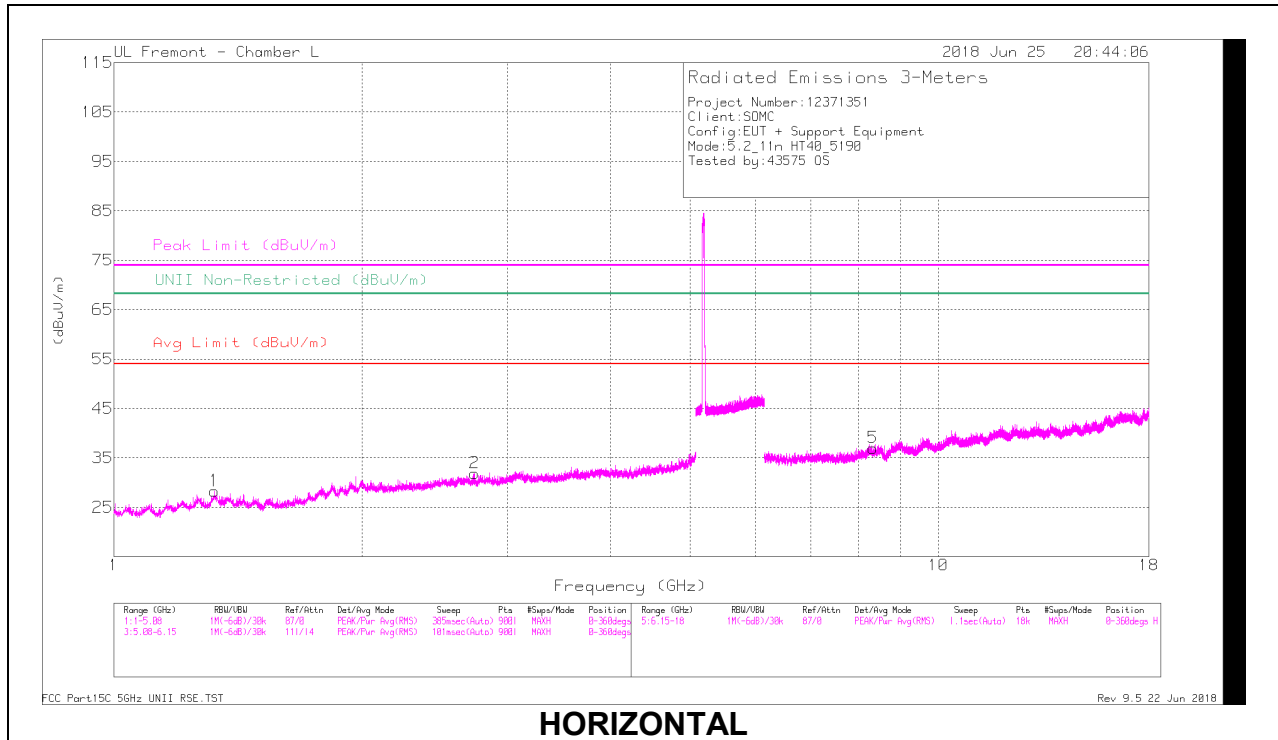
\* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

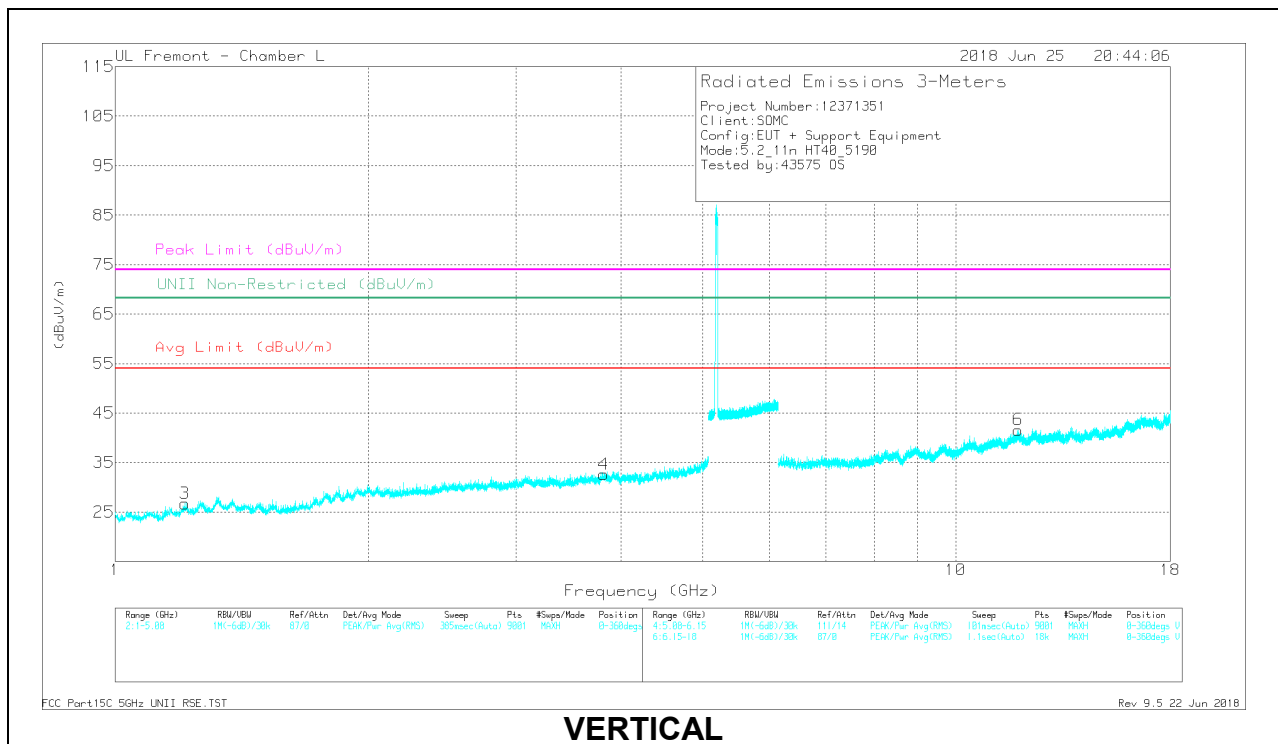
RMS - RMS detection

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**



**RADIATED EMISSIONS**

Radiated Emissions

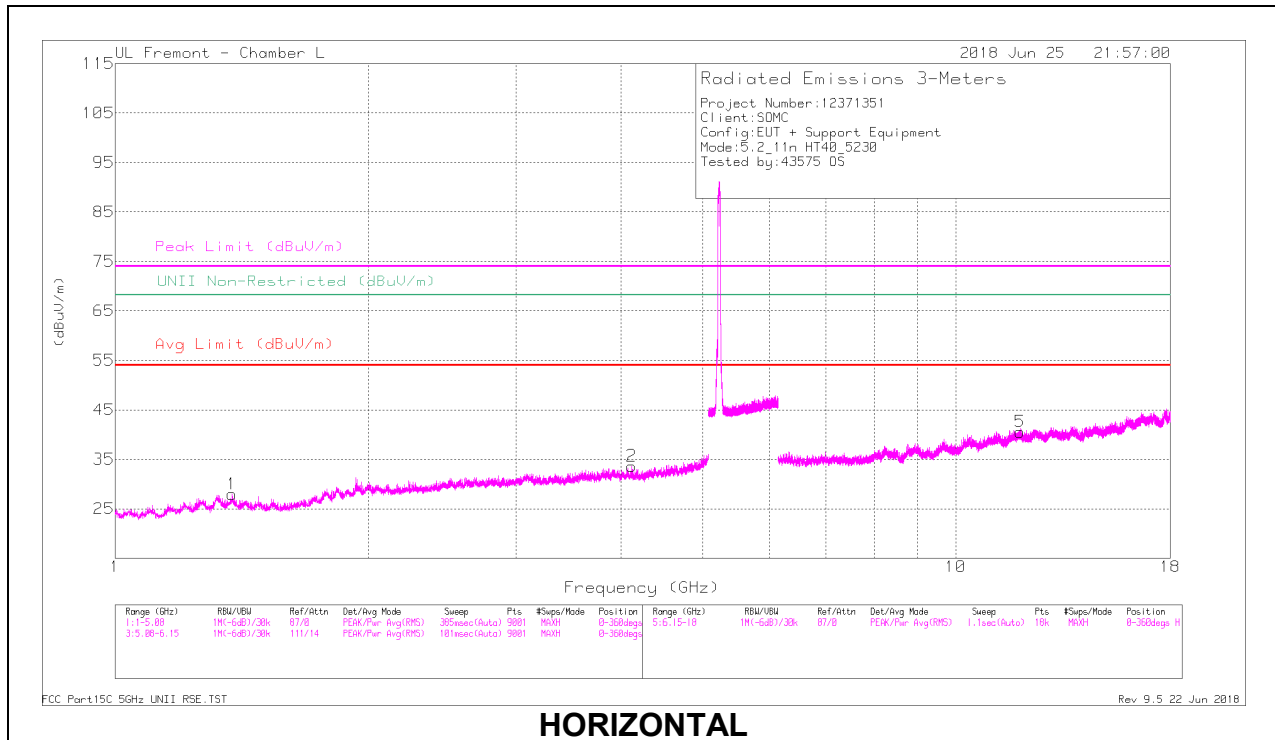
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.326	39.74	PK-U	29.3	-34.4	0	34.64	-	-	74	-39.36	-	-	220	165	H
	* 1.322	30.88	ADR	29.3	-34.3	.27	26.15	54	-27.85	-	-	-	-	220	165	H
2	* 2.737	38.09	PK-U	32.5	-32.2	0	38.39	-	-	74	-35.61	-	-	187	304	H
	* 2.739	28.09	ADR	32.5	-32.2	.27	28.66	54	-25.34	-	-	-	-	187	304	H
3	* 1.213	39.72	PK-U	28.5	-34.9	0	33.32	-	-	74	-40.68	-	-	219	233	V
	* 1.209	30.63	ADR	28.4	-34.9	.27	24.4	54	-29.6	-	-	-	-	219	233	V
4	* 3.812	36.96	PK-U	33.7	-30.6	0	40.06	-	-	74	-33.94	-	-	5	162	V
	* 3.812	26.78	ADR	33.7	-30.6	.27	30.15	54	-23.85	-	-	-	-	5	162	V
5	* 8.336	31.54	PK-U	35.9	-23.9	0	43.54	-	-	74	-30.46	-	-	154	263	H
	* 8.337	22.24	ADR	35.9	-23.9	.27	34.51	54	-19.49	-	-	-	-	154	263	H
6	* 11.86	30.21	PK-U	38.6	-21.2	0	47.61	-	-	74	-26.39	-	-	174	149	V
	* 11.862	20.84	ADR	38.6	-21.2	.27	38.51	54	-15.49	-	-	-	-	174	149	V

\* - indicates frequency in CFR47 Pt 15 Restricted Band

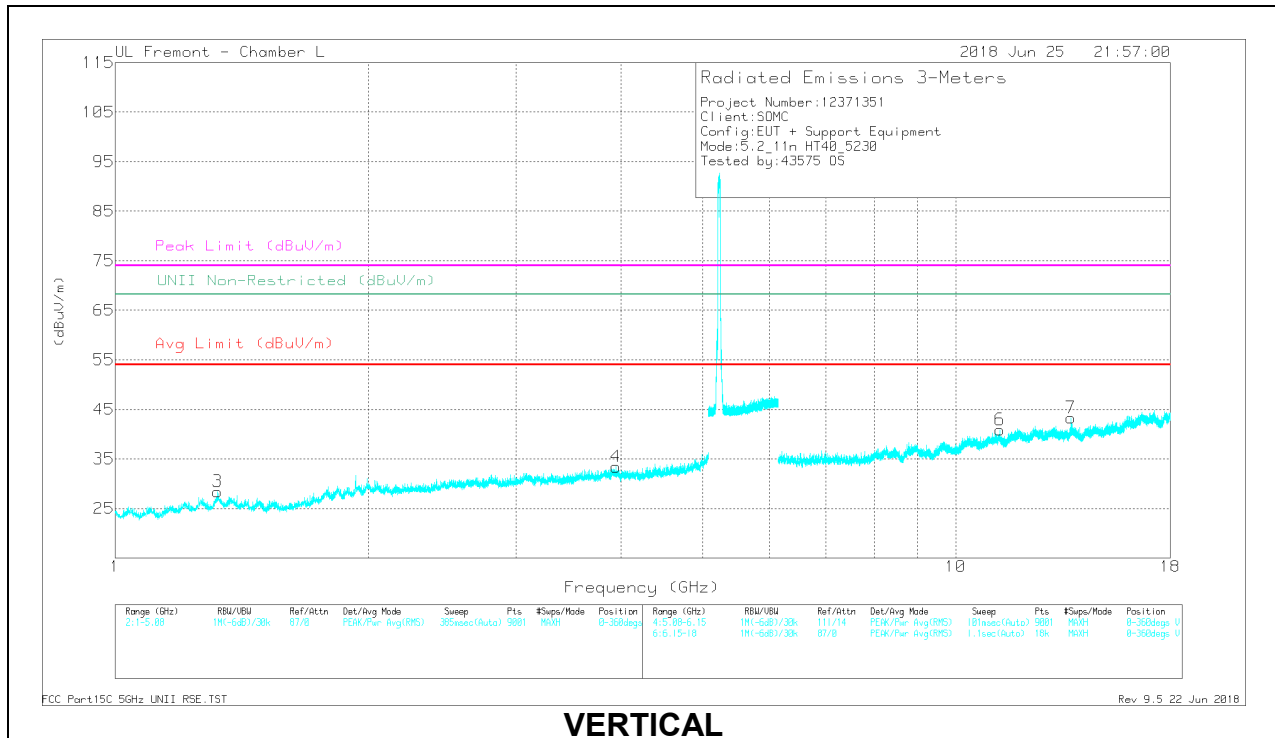
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### HIGH CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.378	40.41	PK-U	29.3	-34.6	0	35.11	-	-	74	-38.89	-	-	184	380	H
	* 1.38	30.05	ADR	29.2	-34.6	.27	24.92	54	-29.08	-	-	-	-	184	380	H
2	* 4.113	35.8	PK-U	33.5	-29.4	0	39.9	-	-	74	-34.1	-	-	179	308	H
	* 4.115	26.53	ADR	33.5	-29.4	.27	30.9	54	-23.1	-	-	-	-	179	308	H
3	* 1.324	40.75	PK-U	29.3	-34.3	0	35.75	-	-	74	-38.25	-	-	335	135	V
	* 1.323	30.42	ADR	29.3	-34.3	.27	25.69	54	-28.31	-	-	-	-	335	135	V
4	* 3.941	35.71	PK-U	33.6	-29.3	0	40.01	-	-	74	-33.99	-	-	4	288	V
	* 3.94	26.25	ADR	33.6	-29.2	.27	30.92	54	-23.08	-	-	-	-	4	288	V
5	* 11.926	29.1	PK-U	38.7	-21	0	46.8	-	-	74	-27.2	-	-	20	384	H
	* 11.928	20.21	ADR	38.7	-21	.27	38.18	54	-15.82	-	-	-	-	20	384	H
6	* 1.378	40.41	PK-U	29.3	-34.6	0	35.11	-	-	74	-38.89	-	-	184	380	H
	* 1.38	30.05	ADR	29.2	-34.6	.27	24.92	54	-29.08	-	-	-	-	184	380	H
7	13.717	24.11	PK-U	38.6	-19.4	0	43.31	-	-	-	-	68.2	-24.89	245	103	V

\* - indicates frequency in CFR47 Pt 15 Restricted Band

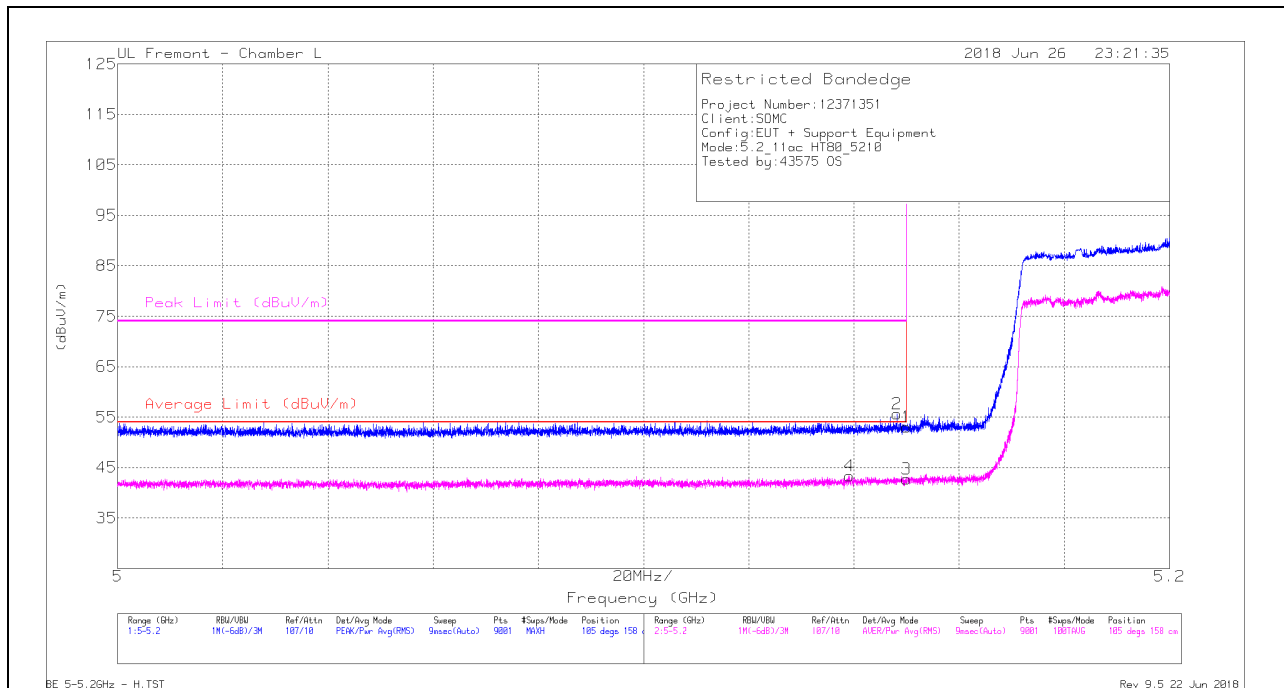
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

**9.1.4. TX ABOVE 1 GHz 802.11ac VHT80 MODE IN THE 5.2 GHz BAND**

**BANDEDGE (MID CHANNEL)**

**HORIZONTAL RESULT**



**Trace Markers**

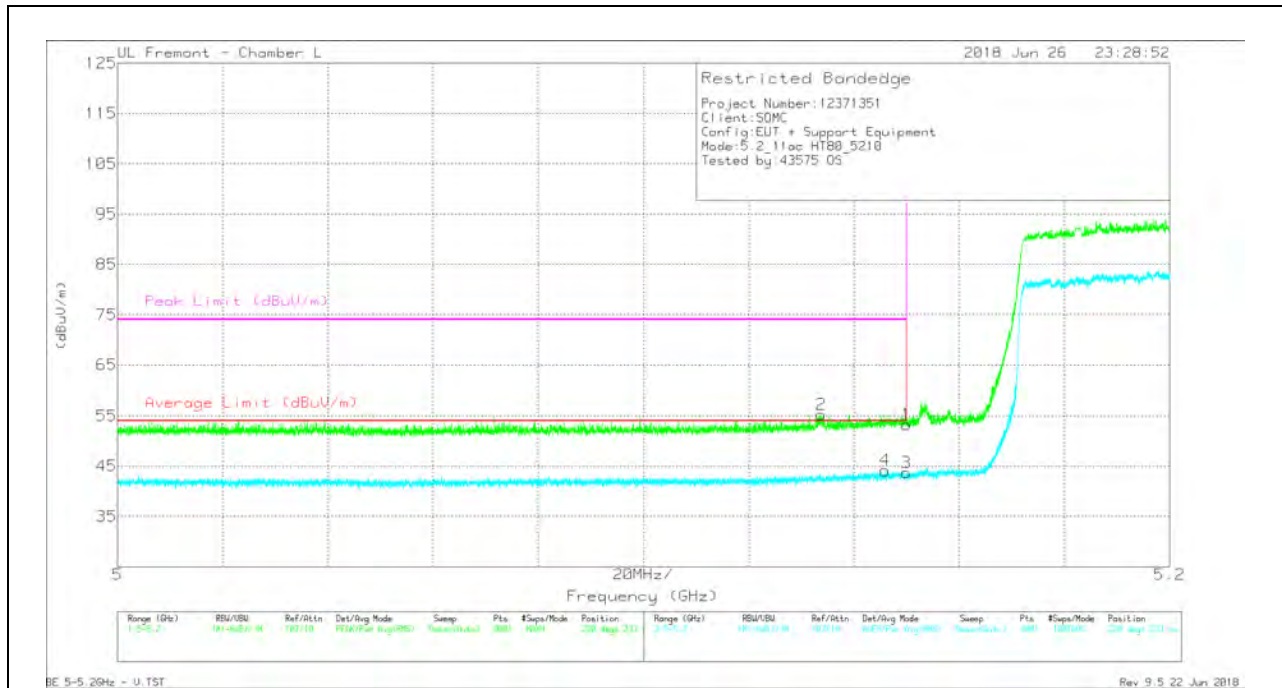
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	37.82	Pk	34.4	-19.2	0	53.02	-	-	74	-20.98	105	158	H
2	* 5.148	40.41	Pk	34.4	-19.2	0	55.61	-	-	74	-18.39	105	158	H
3	* 5.15	27.03	RMS	34.4	-19.2	.53	42.76	54	-11.24	-	-	105	158	H
4	* 5.139	27.56	RMS	34.4	-19.2	.53	43.29	54	-10.71	-	-	105	158	H

\* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULT



### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dB/m)	Amp/Cbl/Filtr/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	* 5.15	38.11	Pk	34.4	-19.2	0	53.31	-	-	74	-20.69	220	233	V
2	* 5.134	40.04	Pk	34.4	-19.2	0	55.24	-	-	74	-18.76	220	233	V
3	* 5.15	27.96	RMS	34.4	-19.2	.53	43.69	54	-10.31	-	-	220	233	V
4	* 5.146	28.42	RMS	34.4	-19.2	.53	44.15	54	-9.85	-	-	220	233	V

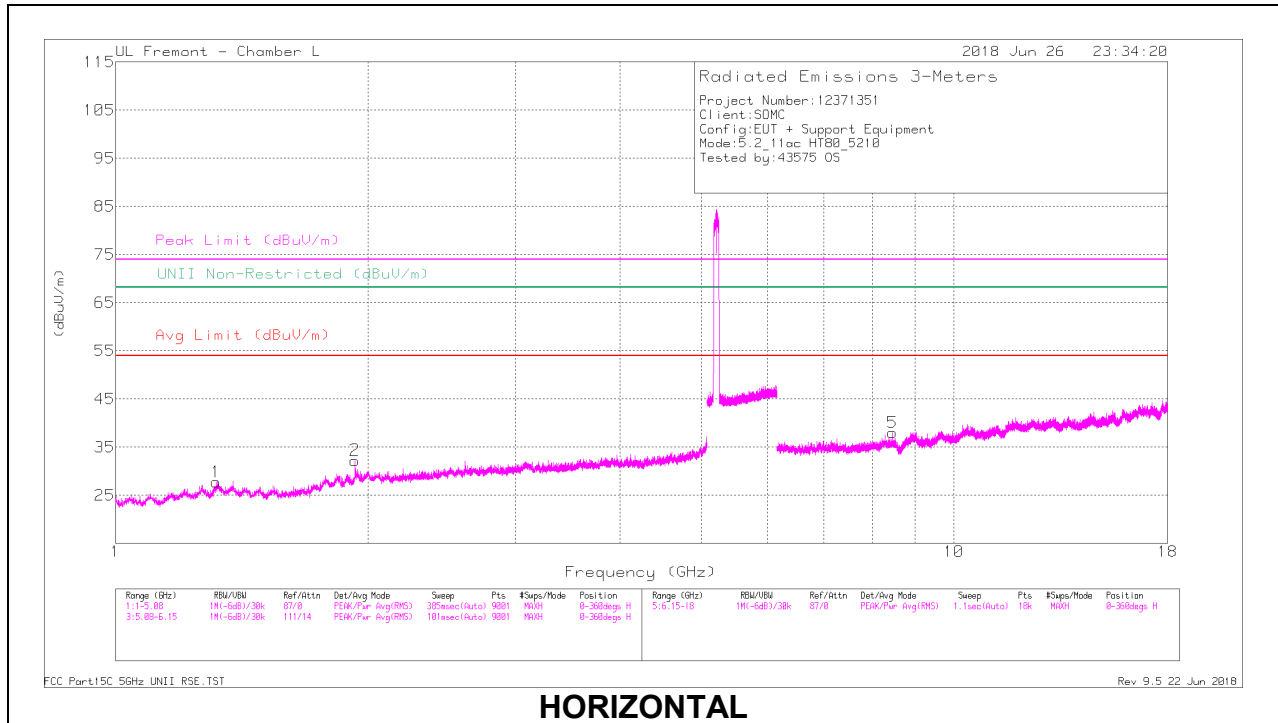
\* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

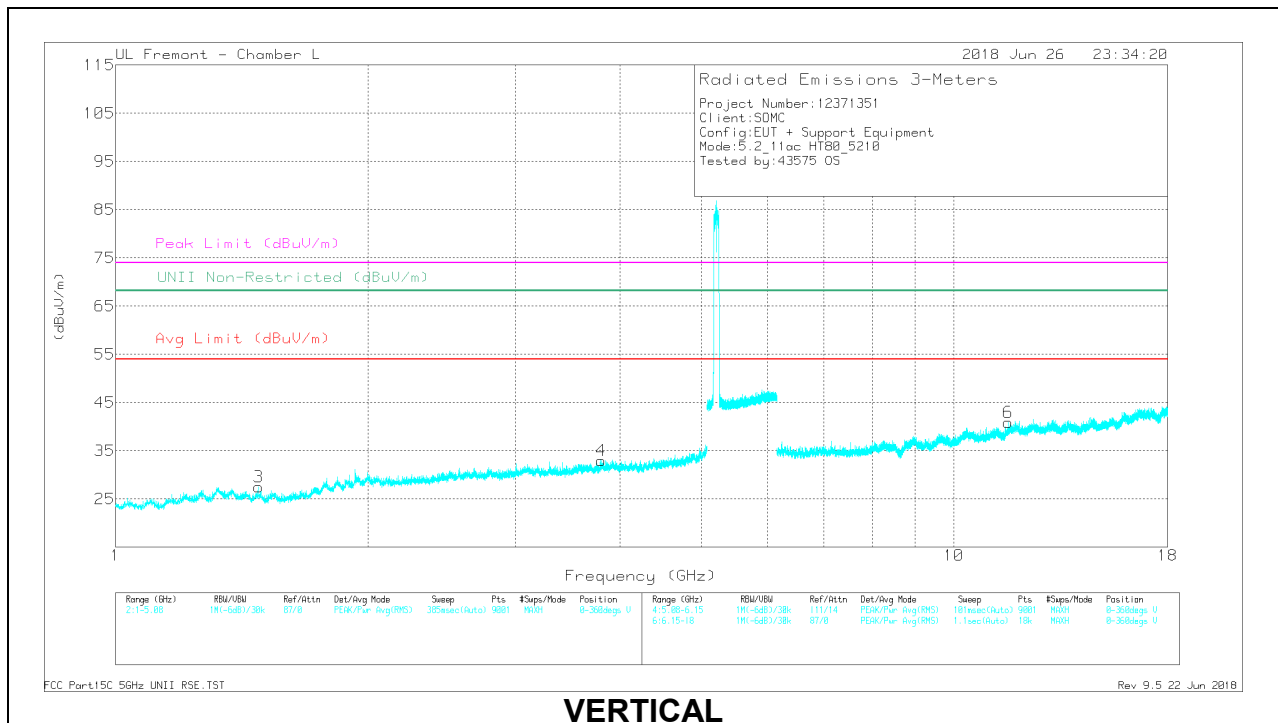
RMS - RMS detection

## HARMONICS AND SPURIOUS EMISSIONS

### MID CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.32	39.11	PK-U	29.2	-34.3	0	34.01	-	-	74	-39.99	-	-	2	174	H
	* 1.32	30.47	ADR	29.2	-34.3	.53	25.9	54	-28.1	-	-	-	-	2	174	H
2	1.931	40.9	PK-U	31.3	-33.5	0	38.7	-	-	-	-	68.2	-29.5	87	151	H
3	* 1.483	40.65	PK-U	28.2	-33.9	0	34.95	-	-	74	-39.05	-	-	24	237	V
	* 1.481	29.91	ADR	28.2	-33.9	.53	24.74	54	-29.26	-	-	-	-	24	237	V
4	* 3.797	36.58	PK-U	33.7	-30.8	0	39.48	-	-	74	-34.52	-	-	344	209	V
	* 3.798	27.47	ADR	33.7	-30.8	.53	30.9	54	-23.1	-	-	-	-	344	209	V
5	* 8.452	30.82	PK-U	35.9	-23	0	43.72	-	-	74	-30.28	-	-	139	321	H
	* 8.455	21.09	ADR	35.9	-22.9	.53	34.62	54	-19.38	-	-	-	-	139	321	H
6	* 11.622	29.88	PK-U	38.4	-21	0	47.28	-	-	74	-26.72	-	-	297	317	V
	* 11.622	19.89	ADR	38.4	-21	.53	37.82	54	-16.18	-	-	-	-	297	317	V

\* - indicates frequency in CFR47 Pt 15 Restricted Band

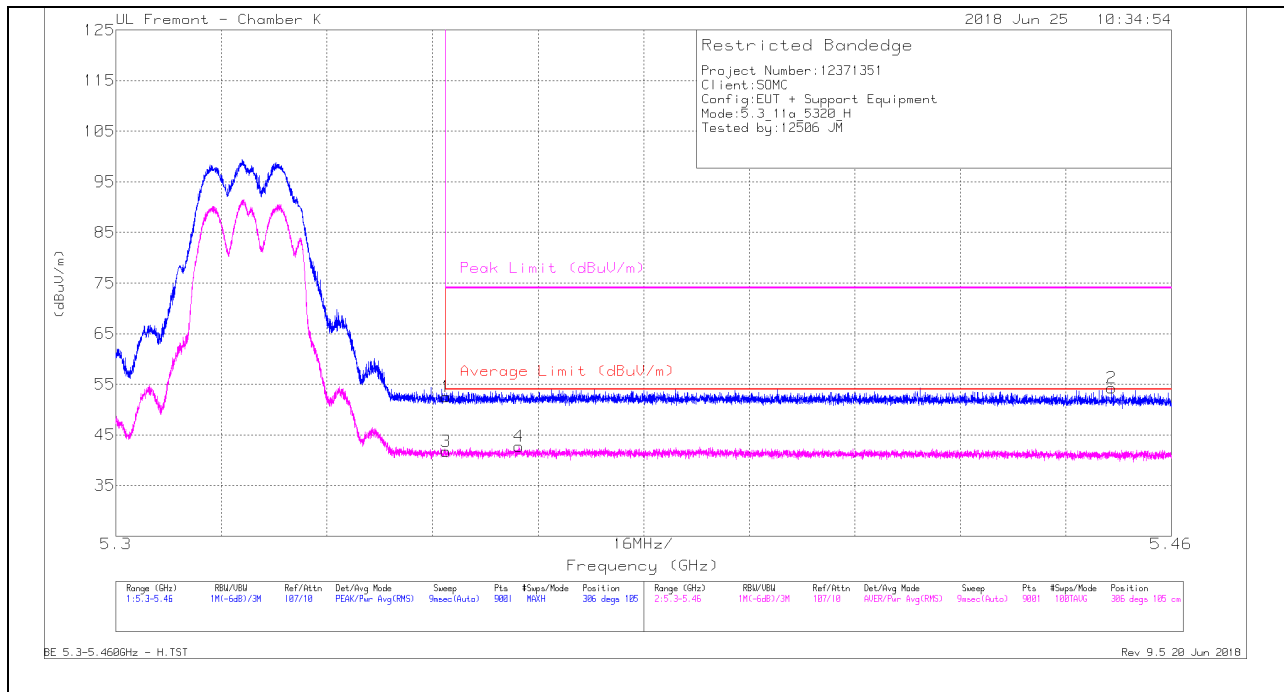
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

**9.1.5. TX ABOVE 1 GHz 802.11a MODE IN THE 5.3 GHz BAND**

**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL RESULT**



**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB)	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
1	* 5.35	38.92	Pk	34.5	-20.9	52.52	-	-	74	-21.48	306	105	H
2	* 5.451	40.4	Pk	34.5	-20.6	54.3	-	-	74	-19.7	306	105	H
3	* 5.35	28.11	RMS	34.5	-20.9	41.71	54	-12.29	-	-	306	105	H
4	* 5.361	28.97	RMS	34.5	-20.7	42.77	54	-11.23	-	-	306	105	H

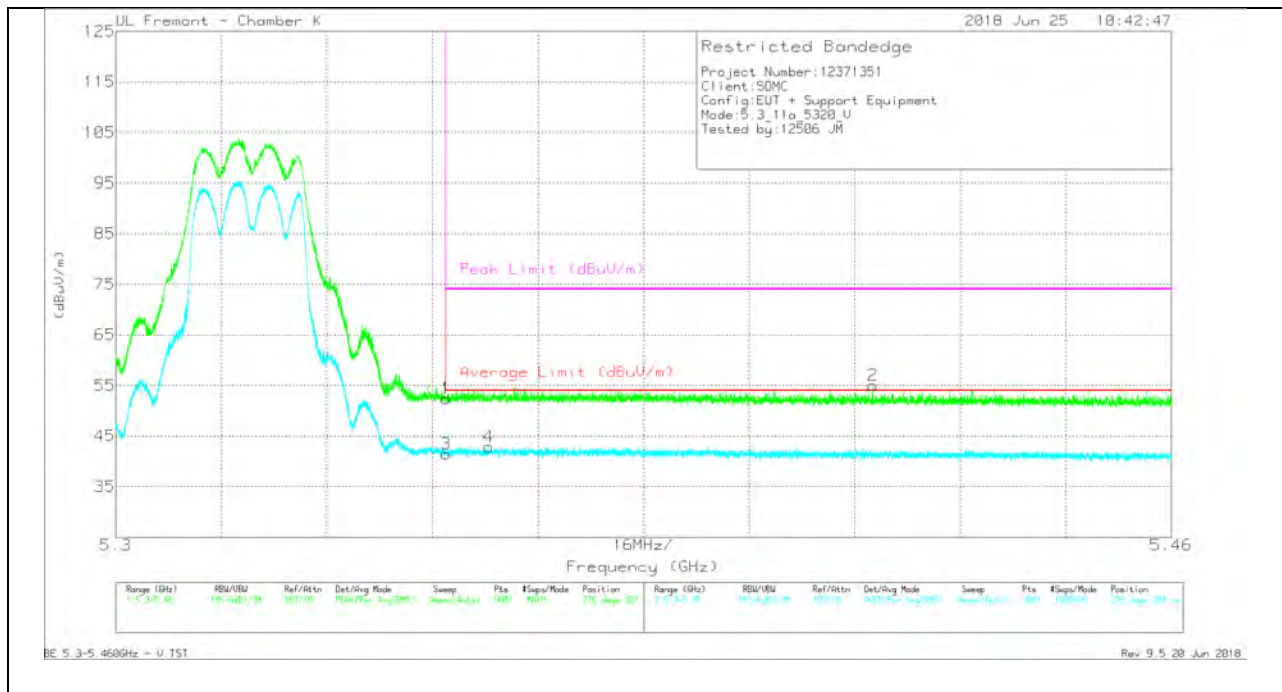
\* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

RMS - RMS detection



### VERTICAL RESULT



#### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB)	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
1	* 5.35	38.86	Pk	34.5	-20.9	52.46	-	-	74	-21.54	276	301	V
2	* 5.415	41.06	Pk	34.6	-20.7	54.96	-	-	74	-19.04	276	301	V
3	* 5.35	27.9	RMS	34.5	-20.9	41.5	54	-12.5	-	-	276	301	V
4	* 5.357	29.15	RMS	34.5	-20.8	42.85	54	-11.15	-	-	276	301	V

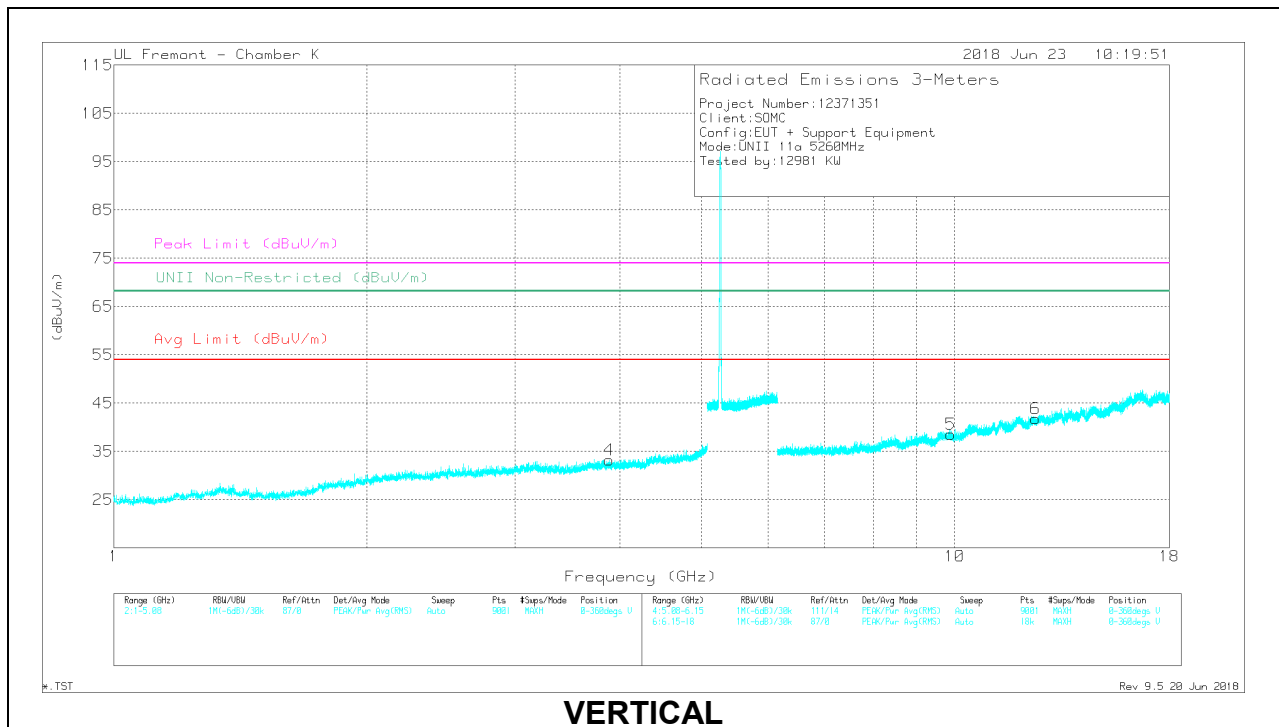
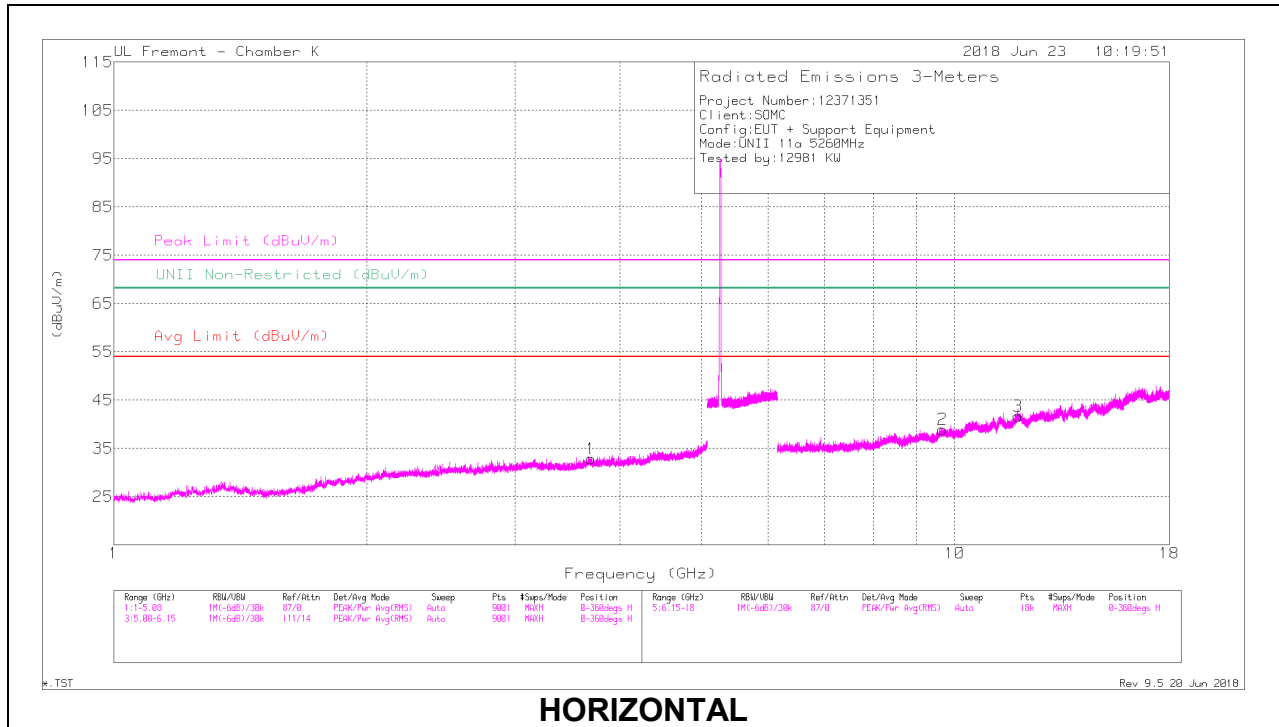
\* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

RMS - RMS detection

**HARMONICS AND SPURIOUS EMISSIONS**

**LOW CHANNEL RESULTS**



**RADIATED EMISSIONS**

Radiated Emissions

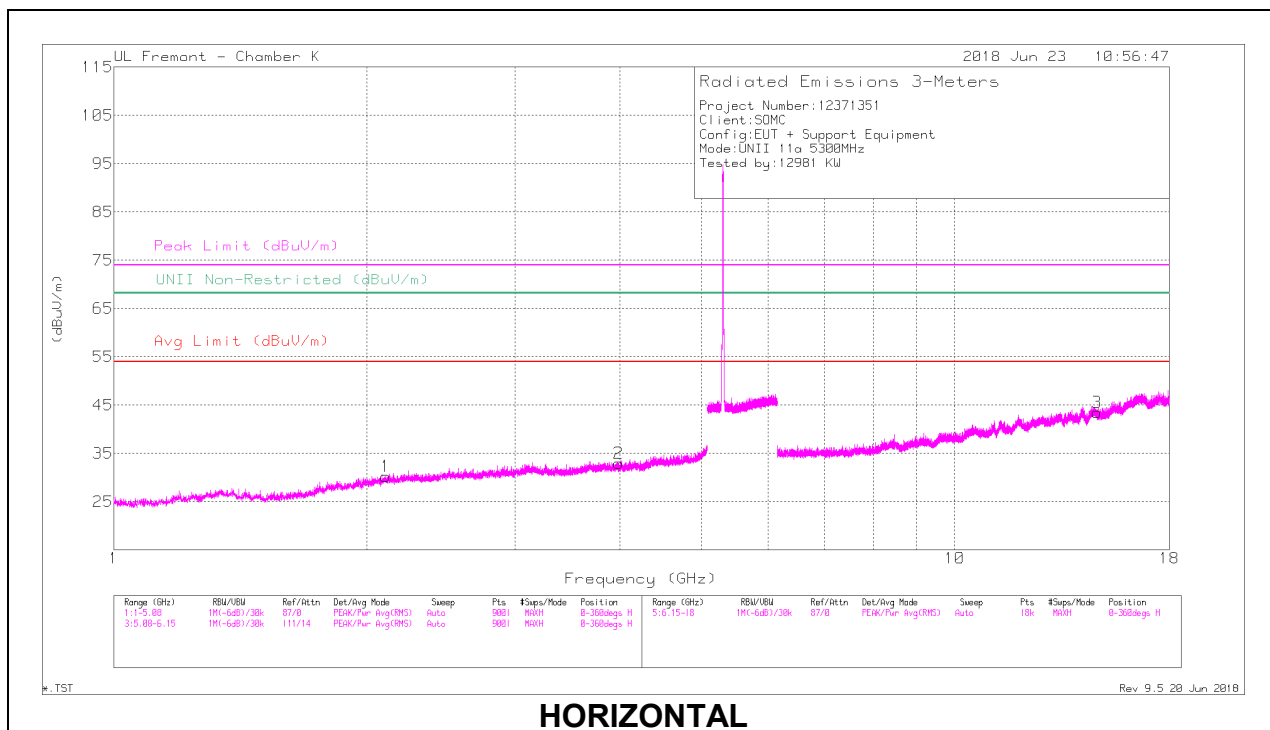
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB)	Amp/Cb/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.692	38.6	PK-U	33.1	-32.4	39.3	-	-	74	-34.7	-	-	76	125	H
	* 3.695	29.55	ADR	33.1	-32.4	30.25	54	-23.75	-	-	-	-	76	125	H
4	* 3.883	38	PK-U	33.4	-32.1	39.3	-	-	74	-34.7	-	-	182	149	V
	* 3.881	29.42	ADR	33.4	-32.2	30.62	54	-23.38	-	-	-	-	182	149	V
2	9.676	31.83	PK-U	36.8	-24.2	44.43	-	-	-	-	68.2	-23.77	142	218	H
3	* 11.89	30.15	PK-U	38.4	-20.8	47.75	-	-	74	-26.25	-	-	48	116	H
	* 11.888	22.2	ADR	38.4	-20.9	39.7	54	-14.3	-	-	-	-	48	116	H
5	9.89	31.87	PK-U	37	-24.3	44.57	-	-	-	-	68.2	-23.63	130	213	V
6	* 12.478	30.62	PK-U	38.9	-20.9	48.62	-	-	74	-25.38	-	-	134	186	V
	* 12.475	21.37	ADR	38.9	-20.9	39.37	54	-14.63	-	-	-	-	134	186	V

\* - indicates frequency in CFR47 Pt 15 Restricted Band

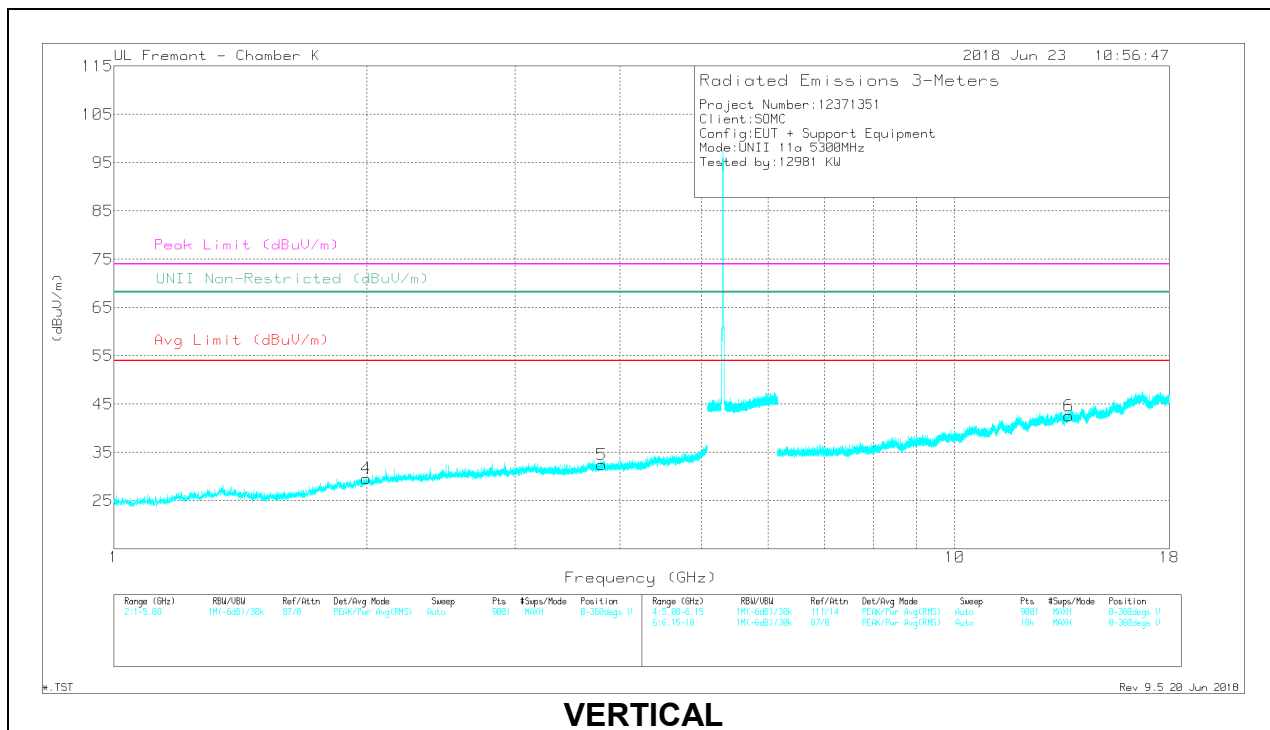
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### MID CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Radiated Emissions

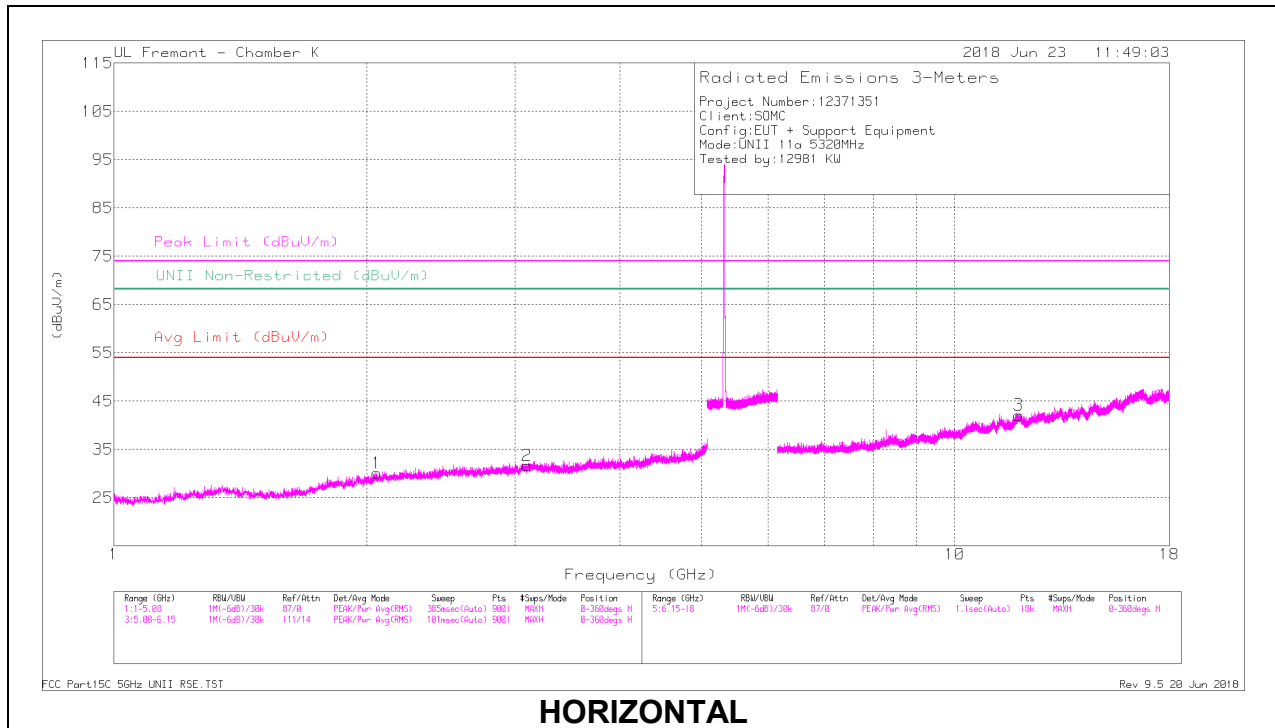
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB)	Amp/Cb/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.102	40.22	PK-U	31.6	-35.5	36.32	-	-	-	-	68.2	-31.88	143	110	H
2	* 3.986	37.19	PK-U	33.4	-31.9	38.69	-	-	74	-35.31	-	-	228	221	H
	* 3.986	28.87	ADR	33.4	-31.9	30.37	54	-23.63	-	-	-	-	228	221	H
4	1.997	40.69	PK-U	31	-35.5	36.19	-	-	-	-	68.2	-32.01	219	244	V
5	* 3.803	36.92	PK-U	33.4	-32.3	38.02	-	-	74	-35.98	-	-	228	201	V
	* 3.801	29	ADR	33.4	-32.3	30.1	54	-23.9	-	-	-	-	228	201	V
3	14.768	29.81	PK-U	39.8	-19.4	50.21	-	-	-	-	68.2	-17.99	148	195	H
6	13.666	29.67	PK-U	38.7	-19.5	48.87	-	-	-	-	68.2	-19.33	273	186	V

\* - indicates frequency in CFR47 Pt 15 Restricted Band

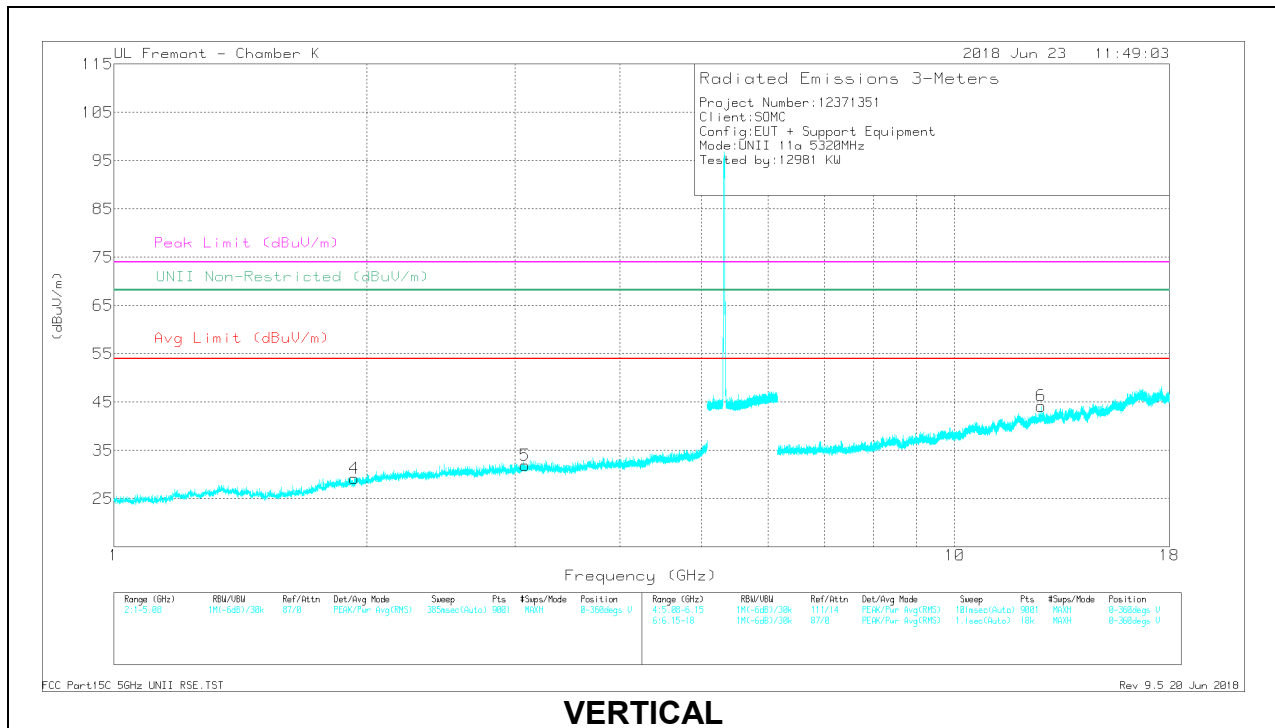
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### HIGH CHANNEL RESULTS



### HORIZONTAL



### VERTICAL

**RADIATED EMISSIONS**

Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB)	Amp/Cb/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	2.056	40.76	PK-U	31.3	-35.5	36.56	-	-	-	-	68.2	-31.64	319	168	H
2	3.1	39.52	PK-U	33	-34.4	38.12	-	-	-	-	68.2	-30.08	213	127	H
4	1.932	40.71	PK-U	30.7	-35.5	35.91	-	-	-	-	68.2	-32.29	145	245	V
5	3.081	38.68	PK-U	32.9	-34.4	37.18	-	-	-	-	68.2	-31.02	97	113	V
3	* 11.915	29.67	PK-U	38.4	-20.9	47.17	-	-	74	-26.83	-	-	303	158	H
	* 11.914	22.13	ADR	38.4	-20.9	39.63	54	-14.37	-	-	-	-	303	158	H
6	* 12.673	29.83	PK-U	38.9	-21	47.73	-	-	74	-26.27	-	-	266	181	V
	* 12.672	22.38	ADR	38.9	-21	40.28	54	-13.72	-	-	-	-	266	181	V

\* - indicates frequency in CFR47 Pt 15 Restricted Band

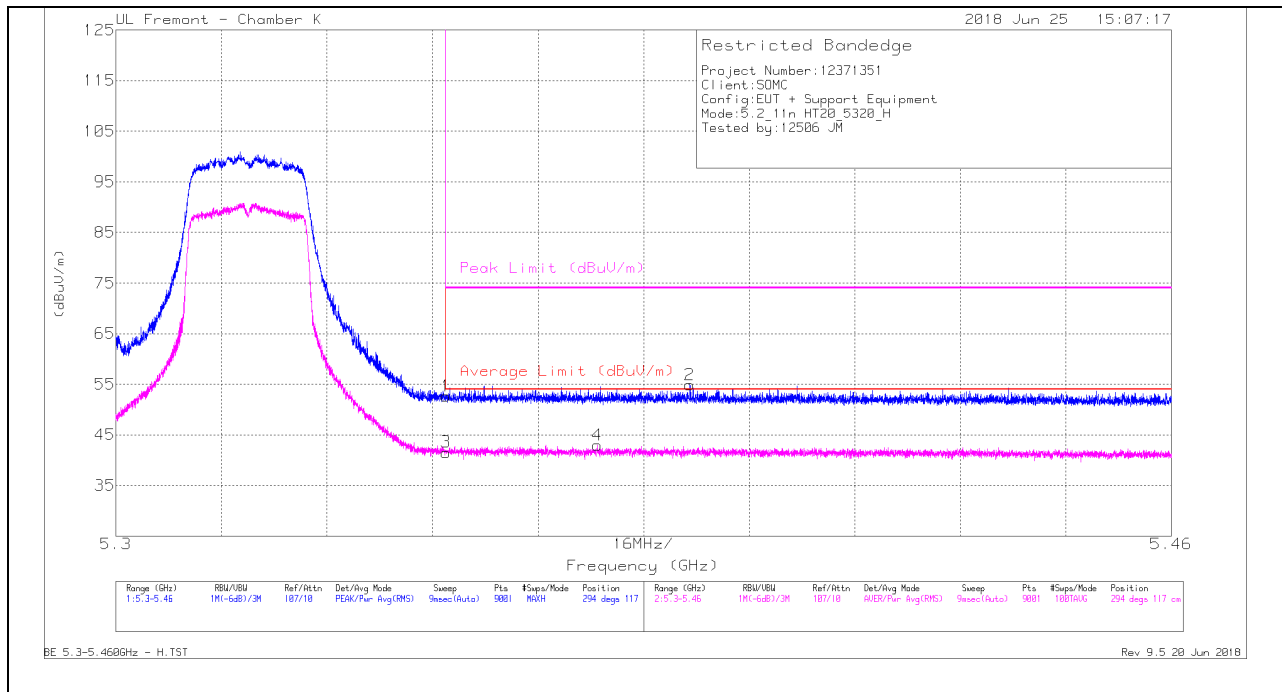
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

**9.1.6. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.3 GHz BAND**

**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL RESULT**



**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB)	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
1	* 5.35	39.01	Pk	34.5	-20.9	52.61	-	-	74	-21.39	294	117	H
2	* 5.387	40.93	Pk	34.6	-20.7	54.83	-	-	74	-19.17	294	117	H
3	* 5.35	27.94	RMS	34.5	-20.9	41.54	54	-12.46	-	-	294	117	H
4	* 5.373	29.13	RMS	34.6	-20.8	42.93	54	-11.07	-	-	294	117	H

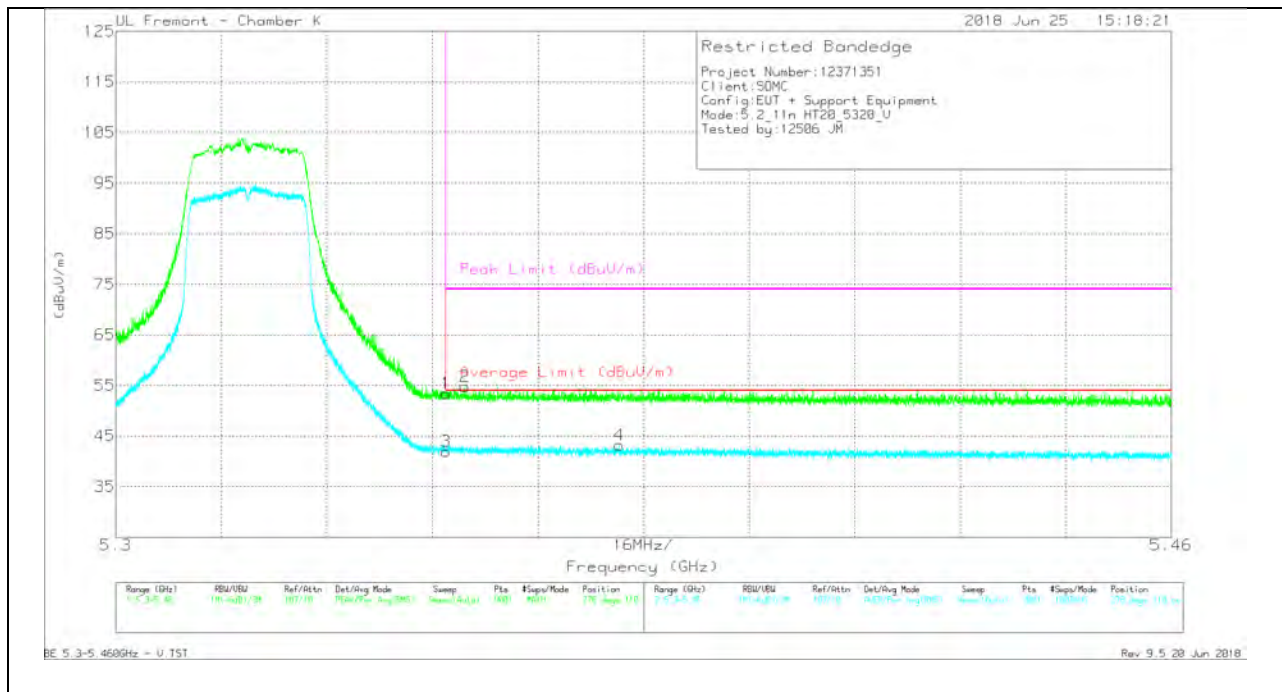
\* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

RMS - RMS detection



### VERTICAL RESULT



### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB)	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
1	* 5.35	39.78	Pk	34.5	-20.9	53.38	-	-	74	-20.62	278	110	V
2	* 5.353	41.04	Pk	34.5	-20.8	54.74	-	-	74	-19.26	278	110	V
3	* 5.35	28.42	RMS	34.5	-20.9	42.02	54	-11.98	-	-	278	110	V
4	* 5.376	29.29	RMS	34.6	-20.7	43.19	54	-10.81	-	-	278	110	V

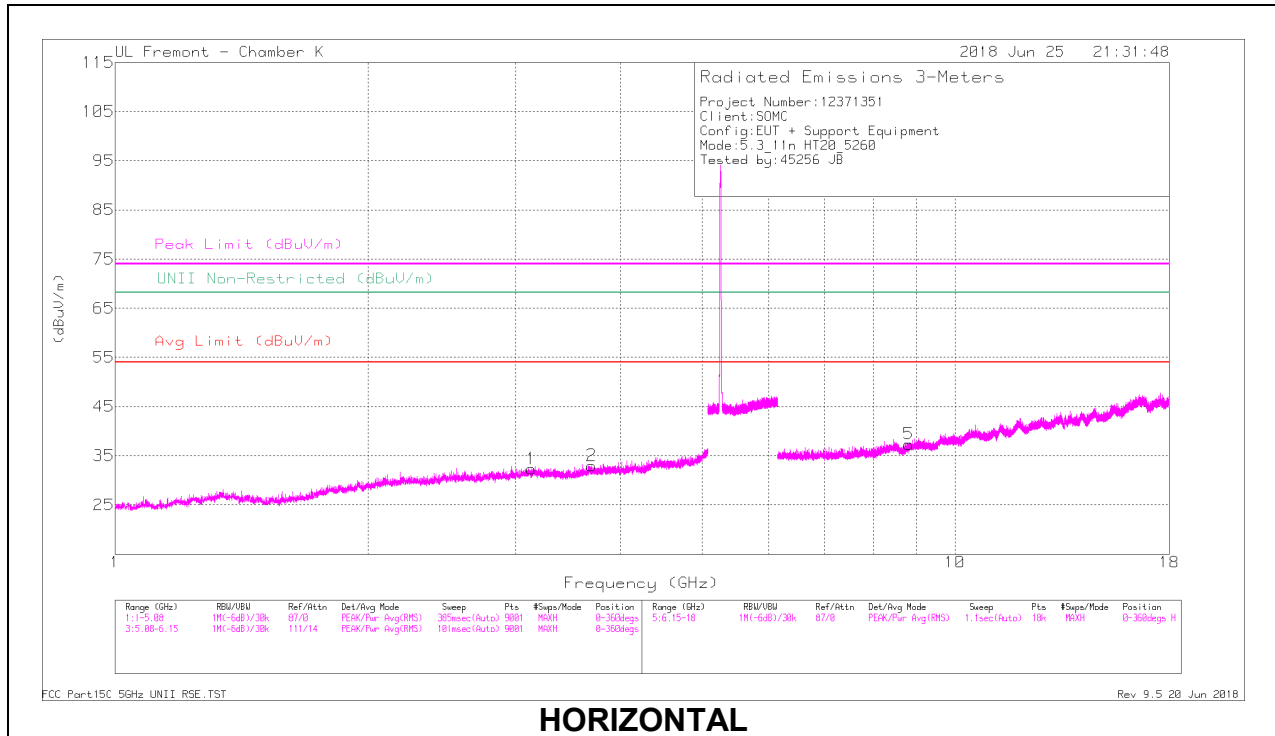
\* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

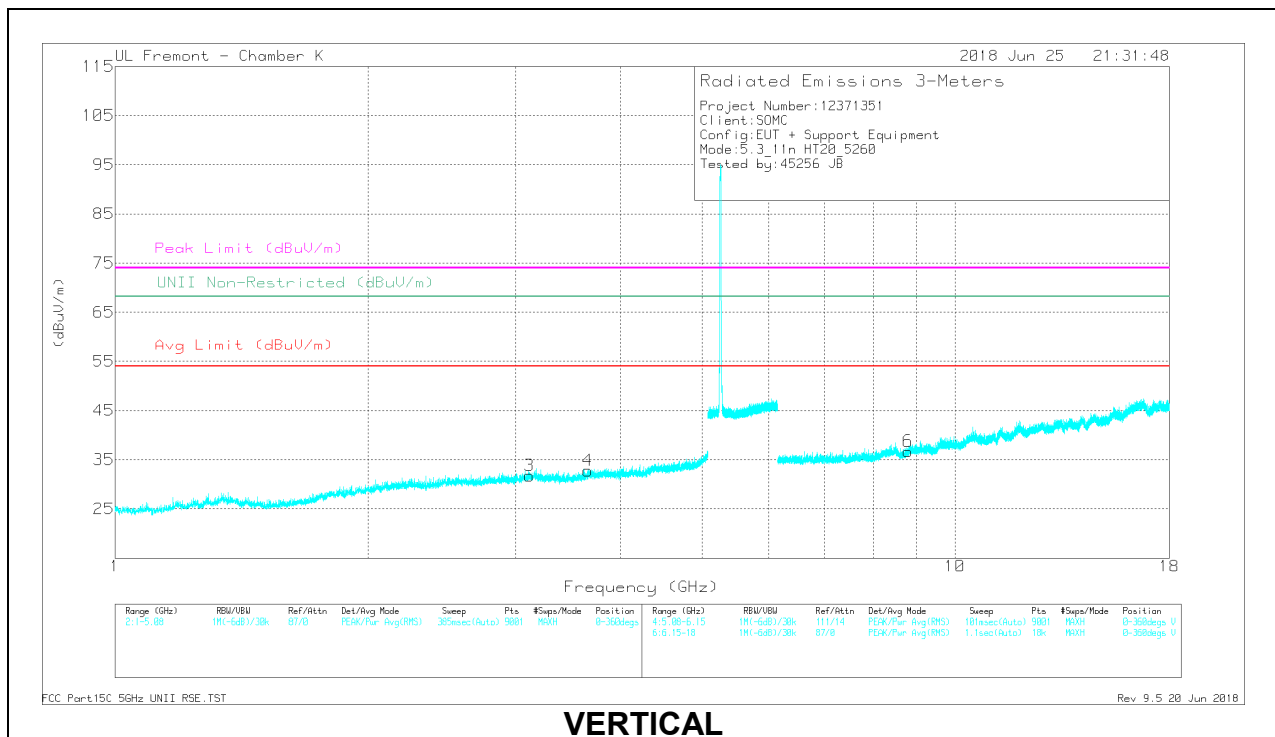
RMS - RMS detection

**HARMONICS AND SPURIOUS EMISSIONS**

**LOW CHANNEL RESULTS**



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Radiated Emissions

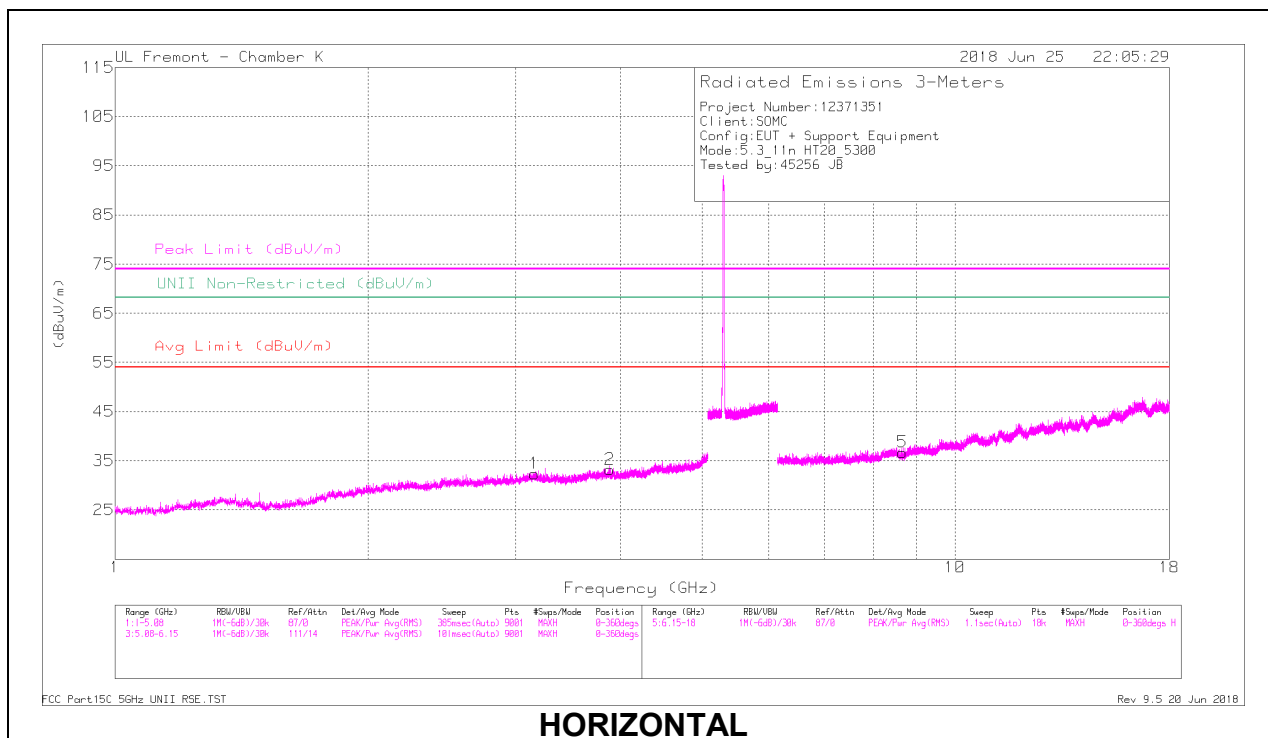
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	3.131	40.42	PK-U	32.9	-34.2	0	39.12	-	-	-	-	68.2	-29.08	299	279	H
2	* 3.694	29.88	ADR	33.1	-32.4	0	30.58	54	-23.42	-	-	-	-	76	274	H
	* 3.694	38.95	PK-U	33.1	-32.4	0	39.65	-	-	74	-34.35	-	-	76	274	H
3	3.119	41.41	PK-U	32.9	-34.2	0	40.11	-	-	-	-	68.2	-28.09	45	381	V
4	* 3.653	39.73	PK-U	32.9	-32.8	0	39.83	-	-	74	-34.17	-	-	126	320	V
	* 3.654	29.78	ADR	32.9	-32.8	0	29.88	54	-24.12	-	-	-	-	126	320	V
5	8.811	34.45	PK-U	36	-24.7	0	45.75	-	-	-	-	68.2	-22.45	80	259	H
6	8.795	33.85	PK-U	36	-24.9	0	44.95	-	-	-	-	68.2	-23.25	60	358	V

\* - indicates frequency in CFR47 Pt 15 Restricted Band

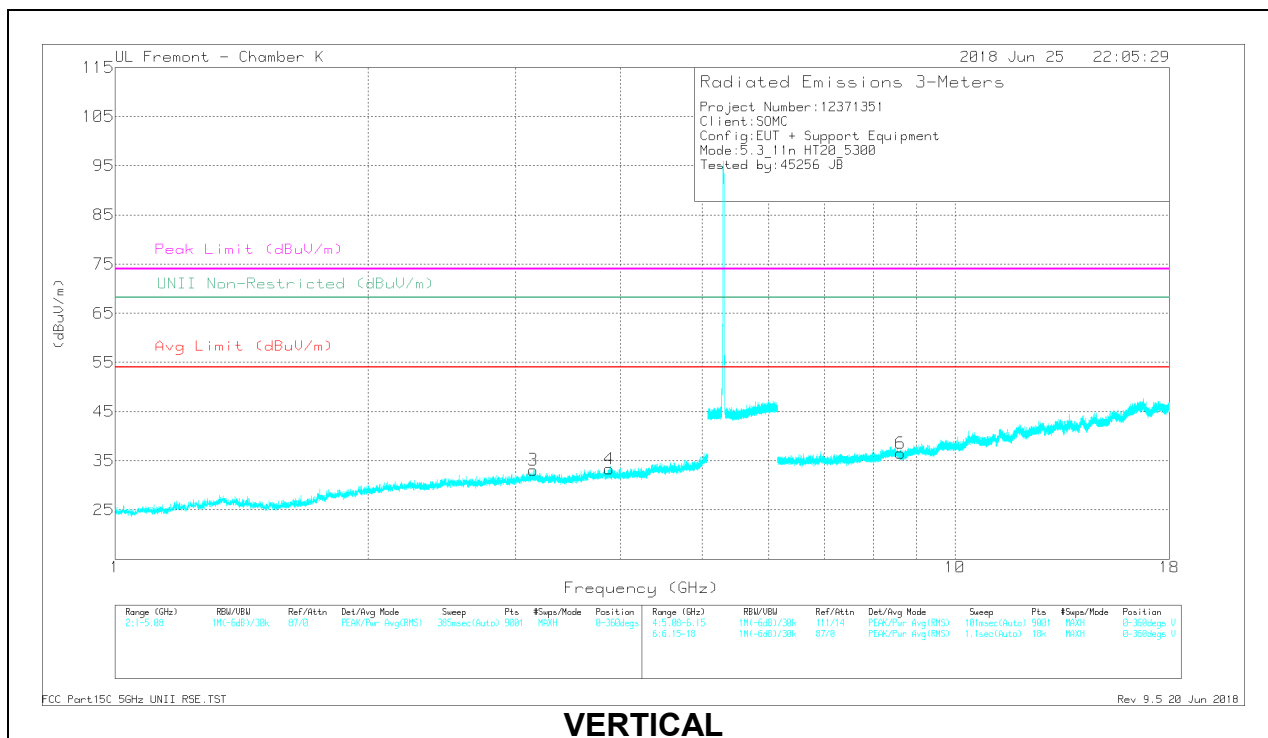
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### MID CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Radiated Emissions

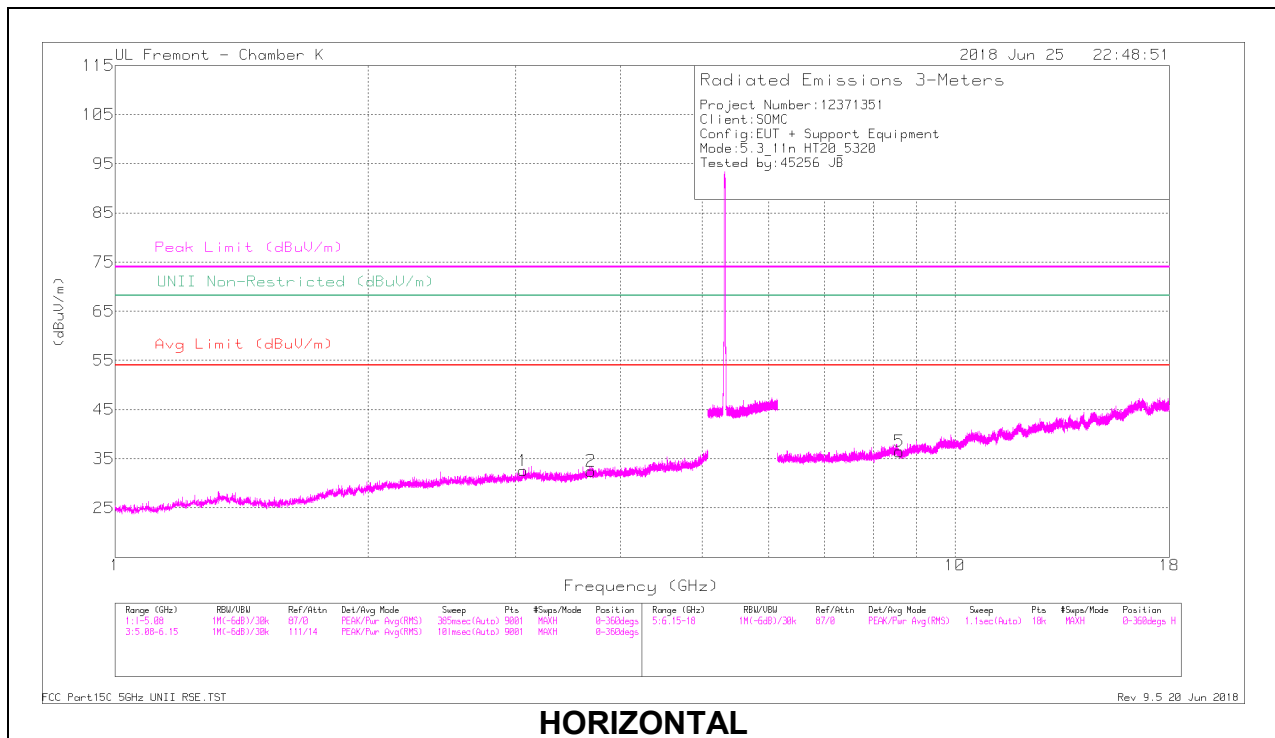
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	3.158	40.62	PK-U	32.9	-33.9	0	39.62	-	-	-	-	68.2	-28.58	201	240	H
2	* 3.886	39.29	PK-U	33.4	-32.1	0	40.59	-	-	74	-33.41	-	-	5	247	H
	* 3.885	29.53	ADR	33.4	-32.1	0	30.83	54	-23.17	-	-	-	-	5	247	H
3	3.149	41.48	PK-U	32.9	-34	0	40.38	-	-	-	-	68.2	-27.82	333	107	V
4	* 3.876	40	PK-U	33.4	-32.2	0	41.2	-	-	74	-32.8	-	-	147	259	V
	* 3.877	29.53	ADR	33.4	-32.2	0	30.73	54	-23.27	-	-	-	-	147	259	V
5	8.658	33.72	PK-U	35.9	-25.2	0	44.42	-	-	-	-	68.2	-23.78	72	213	H
6	8.612	33.43	PK-U	35.8	-25.1	0	44.13	-	-	-	-	68.2	-24.07	282	384	V

\* - indicates frequency in CFR47 Pt 15 Restricted Band

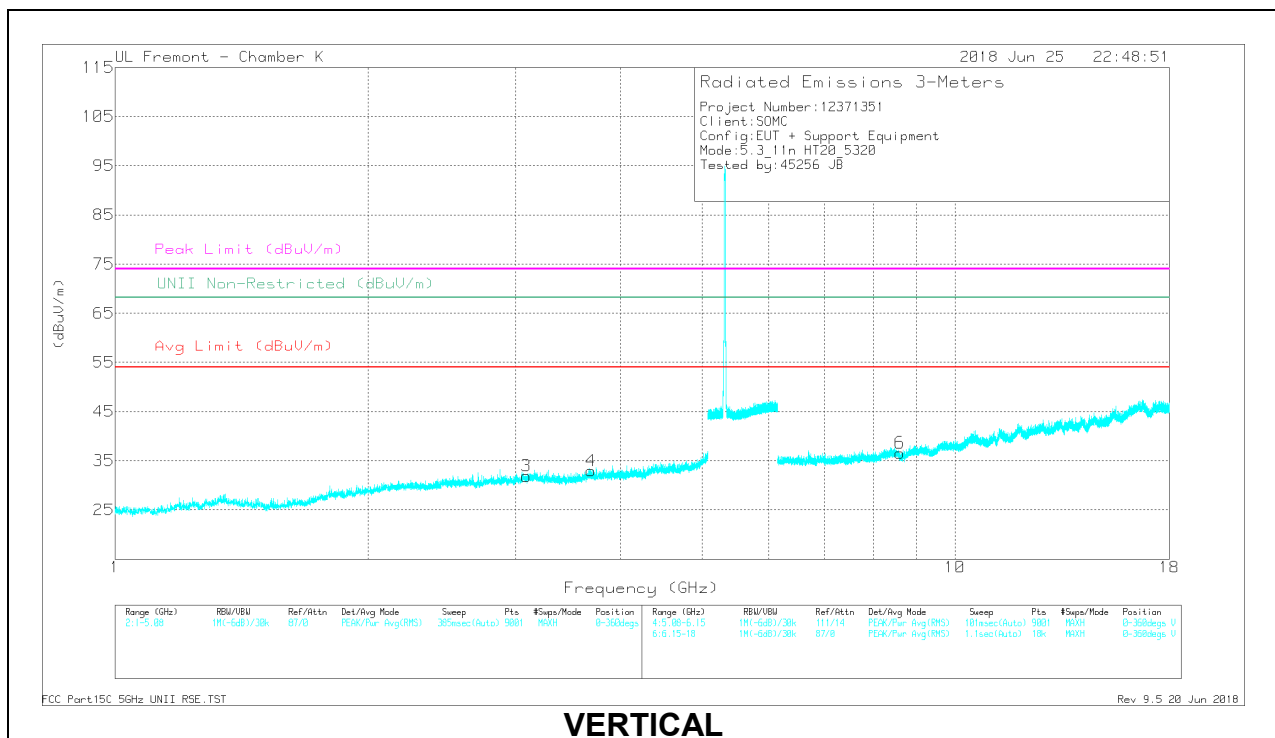
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### HIGH CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

## RADIATED EMISSIONS

### Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	3.061	40.93	PK-U	32.9	-34.5	0	39.33	-	-	-	-	68.2	-28.87	147	134	H
2	* 3.691	39.18	PK-U	33.1	-32.5	0	39.78	-	-	74	-34.22	-	-	174	283	H
	* 3.688	30.14	ADR	33.1	-32.5	0	30.74	54	-23.26	-	-	-	-	174	283	H
3	3.086	41.11	PK-U	32.9	-34.4	0	39.61	-	-	-	-	68.2	-28.59	116	389	V
4	* 3.684	40.37	PK-U	33.1	-32.5	0	40.97	-	-	74	-33.03	-	-	354	348	V
	* 3.684	29.52	ADR	33.1	-32.6	0	30.02	54	-23.98	-	-	-	-	354	348	V
5	8.586	32.91	PK-U	35.8	-25	0	43.71	-	-	-	-	68.2	-24.49	281	211	H
6	8.6	32.56	PK-U	35.8	-25.1	0	43.26	-	-	-	-	68.2	-24.94	147	310	V

\* - indicates frequency in CFR47 Pt 15 Restricted Band

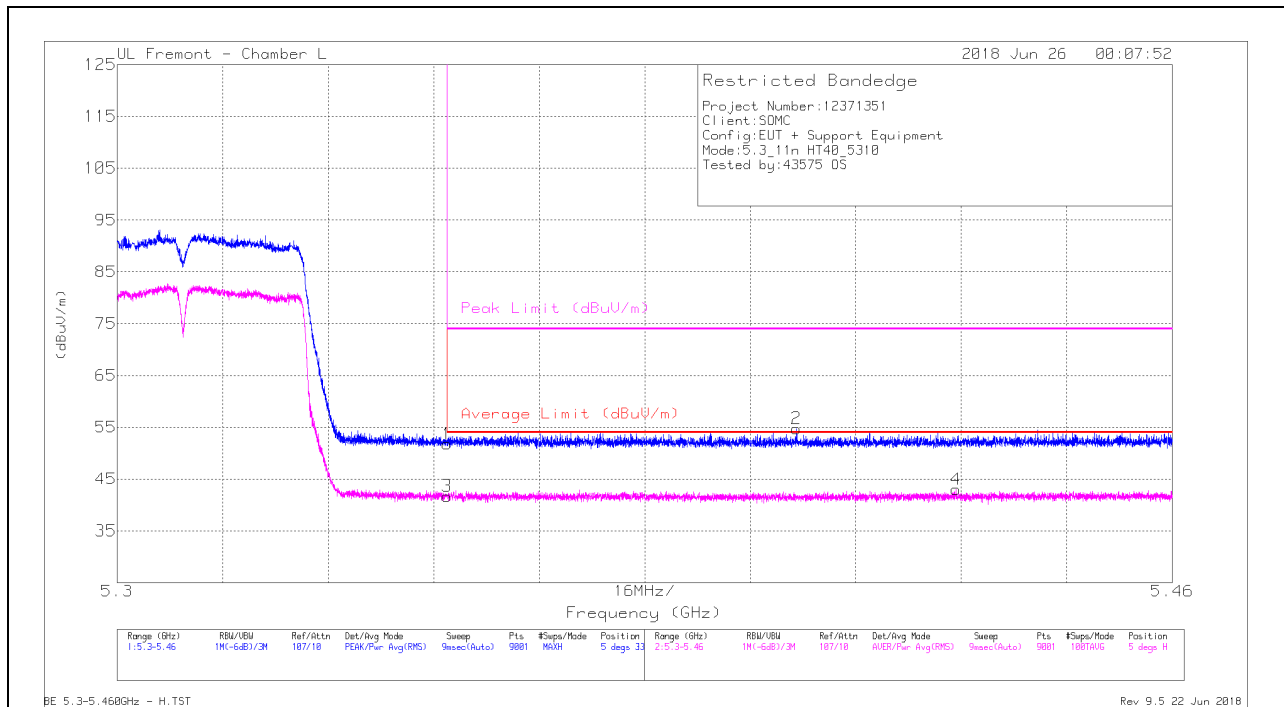
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

**9.1.7. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.3 GHz BAND**

**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL RESULT**



**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	35.95	Pk	34.5	-18.7	0	51.75	-	-	74	-22.25	5	338	H
2	* 5.403	38.95	Pk	34.4	-18.6	0	54.75	-	-	74	-19.25	5	338	H
3	* 5.35	25.61	RMS	34.5	-18.7	.27	41.68	54	-12.32	-	-	5	338	H
4	* 5.427	26.81	RMS	34.5	-18.6	.27	42.98	54	-11.02	-	-	5	338	H

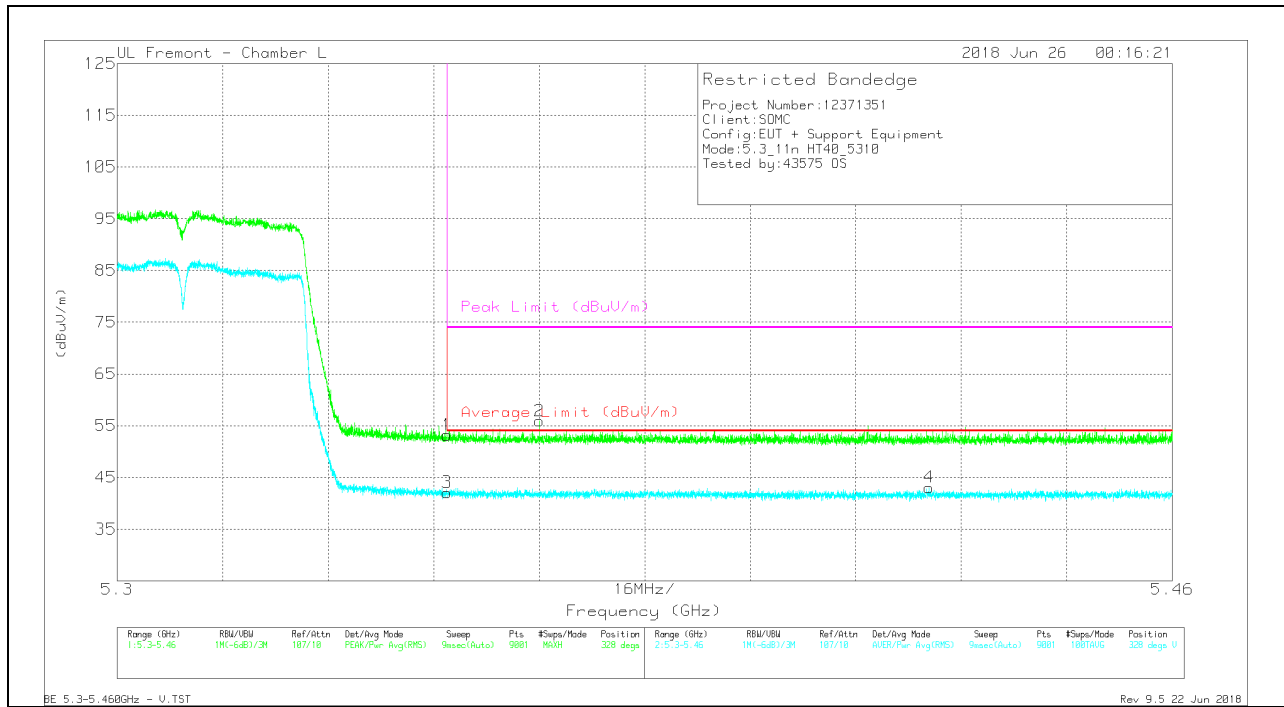
\* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

RMS - RMS detection



### VERTICAL RESULT



### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dB/m)	Amp/Cb/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	37.41	Pk	34.5	-18.7	0	53.21	-	-	74	-20.79	328	334	V
2	* 5.364	40.1	Pk	34.5	-18.7	0	55.9	-	-	74	-18.1	328	334	V
3	* 5.35	26.01	RMS	34.5	-18.7	.27	42.08	54	-11.92	-	-	328	334	V
4	* 5.423	26.9	RMS	34.5	-18.6	.27	43.07	54	-10.93	-	-	328	334	V

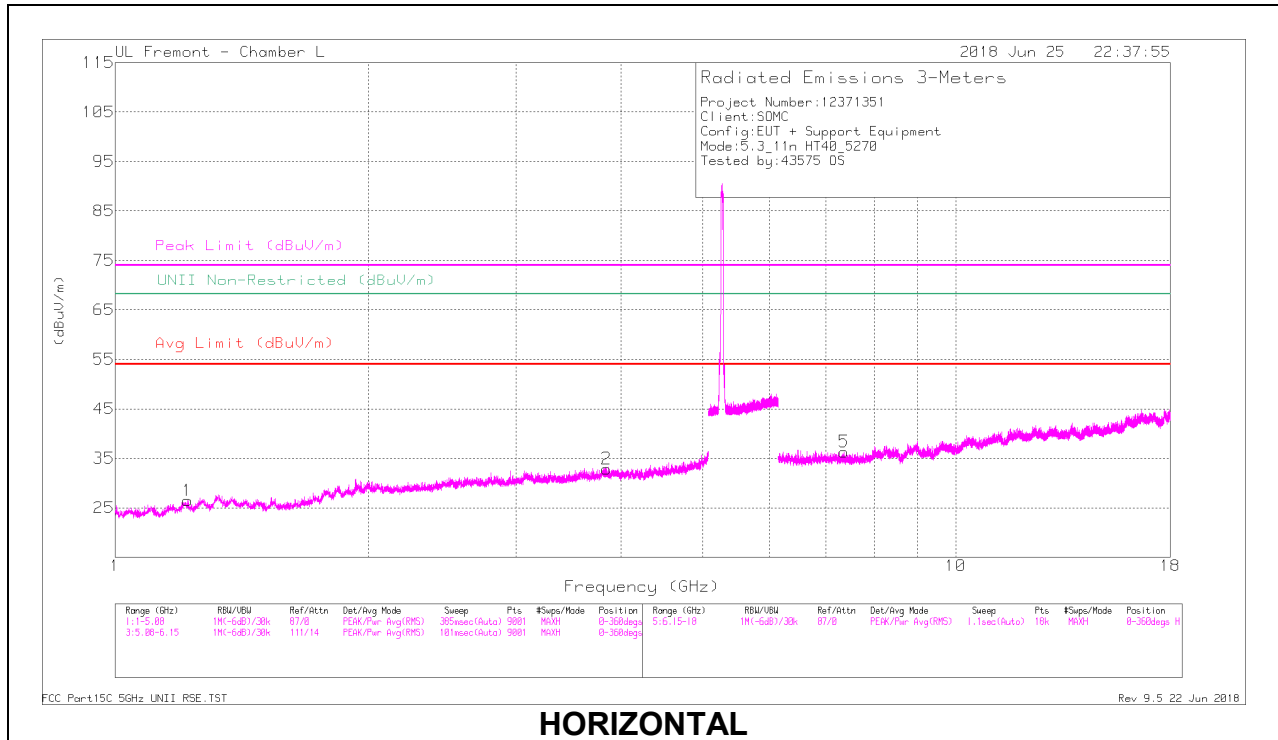
\* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

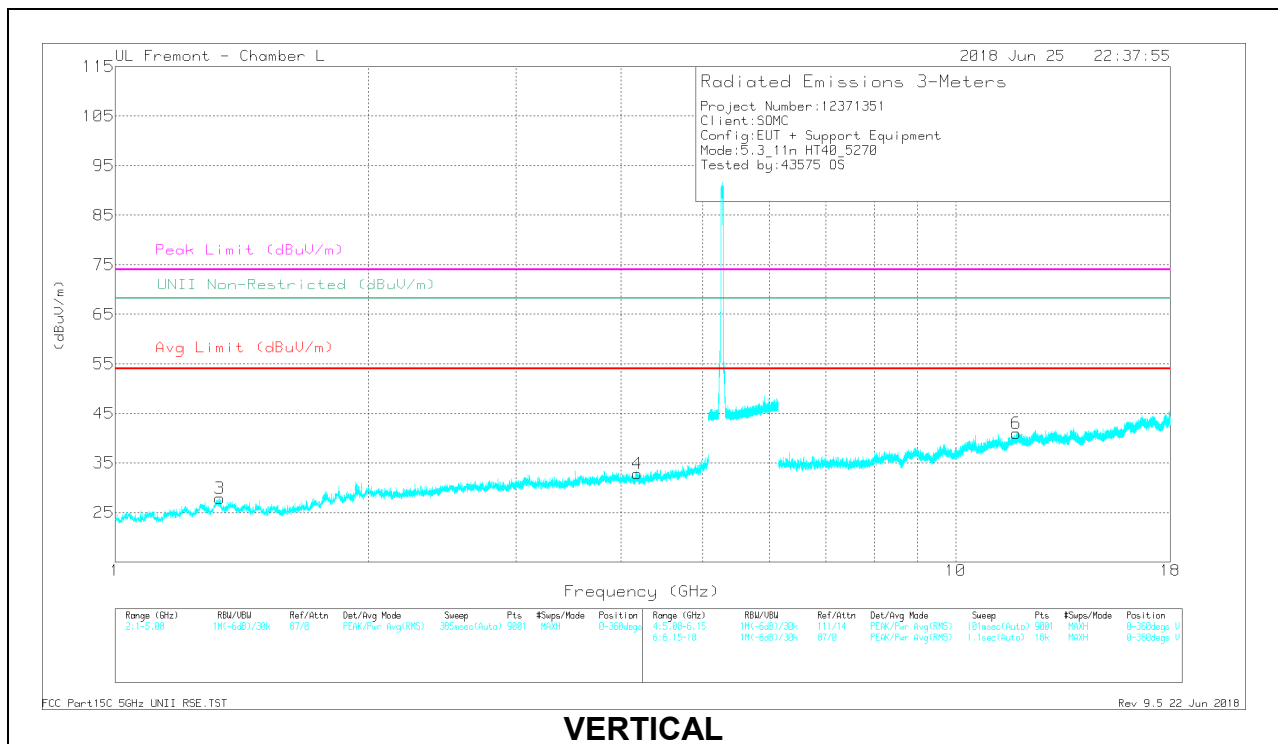
RMS - RMS detection

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Radiated Emissions

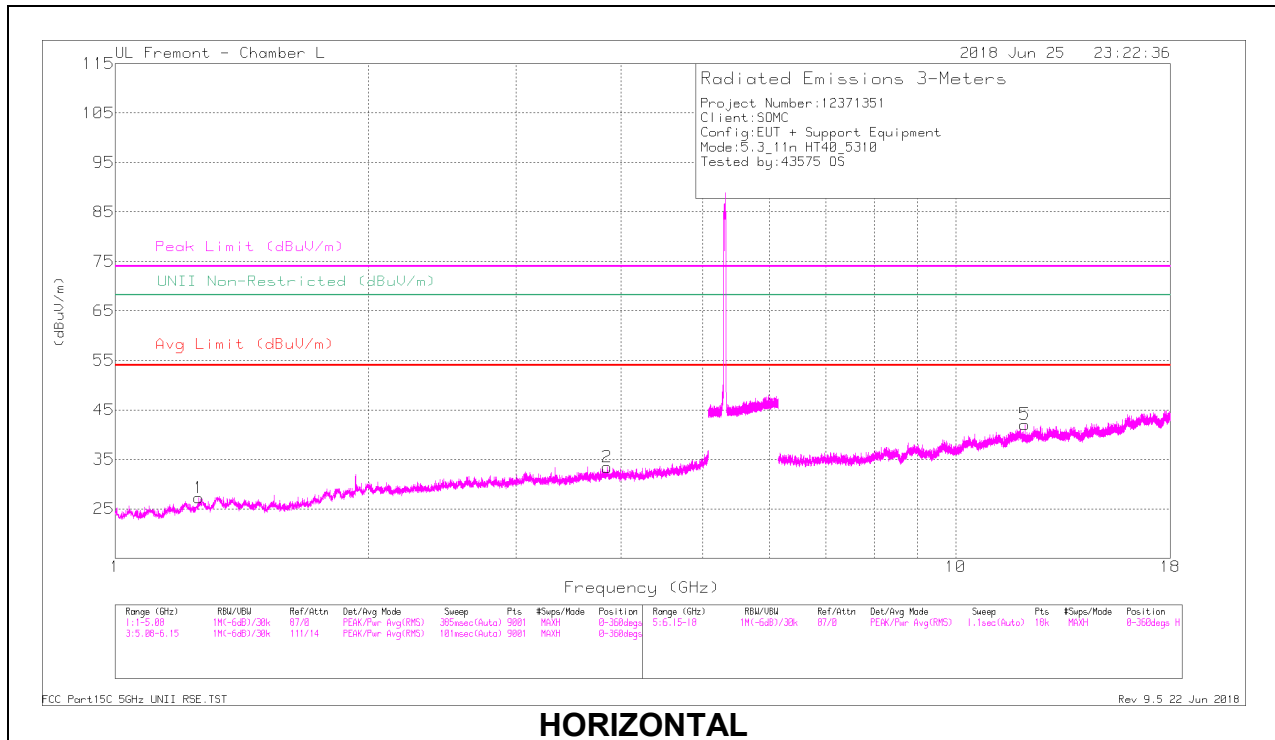
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.22	39.12	PK-U	28.5	-34.8	0	32.82	-	-	74	-41.18	-	-	323	131	H
	* 1.219	30.25	ADR	28.5	-34.9	.27	24.12	54	-29.88	-	-	-	-	323	131	H
2	* 3.838	36.8	PK-U	33.7	-30.5	0	40	-	-	74	-34	-	-	148	257	H
	* 3.838	27.33	ADR	33.7	-30.5	.27	30.8	54	-23.2	-	-	-	-	148	257	H
3	* 1.331	39.87	PK-U	29.3	-34.5	0	34.67	-	-	74	-39.33	-	-	214	392	V
	* 1.33	30.22	ADR	29.3	-34.5	.27	25.29	54	-28.71	-	-	-	-	214	392	V
4	* 4.179	35.85	PK-U	33.4	-29.7	0	39.55	-	-	74	-34.45	-	-	337	134	V
	* 4.179	26.64	ADR	33.4	-29.7	.27	30.61	54	-23.39	-	-	-	-	337	134	V
5	* 7.361	31.91	PK-U	35.6	-24.9	0	42.61	-	-	74	-31.39	-	-	71	252	H
	* 7.36	22.28	ADR	35.6	-24.9	.27	33.25	54	-20.75	-	-	-	-	71	252	H
6	* 11.807	29.73	PK-U	38.6	-21.1	0	47.23	-	-	74	-26.77	-	-	299	265	V
	* 11.807	20.29	ADR	38.6	-21.1	.27	38.06	54	-15.94	-	-	-	-	299	265	V

\* - indicates frequency in CFR47 Pt 15 Restricted Band

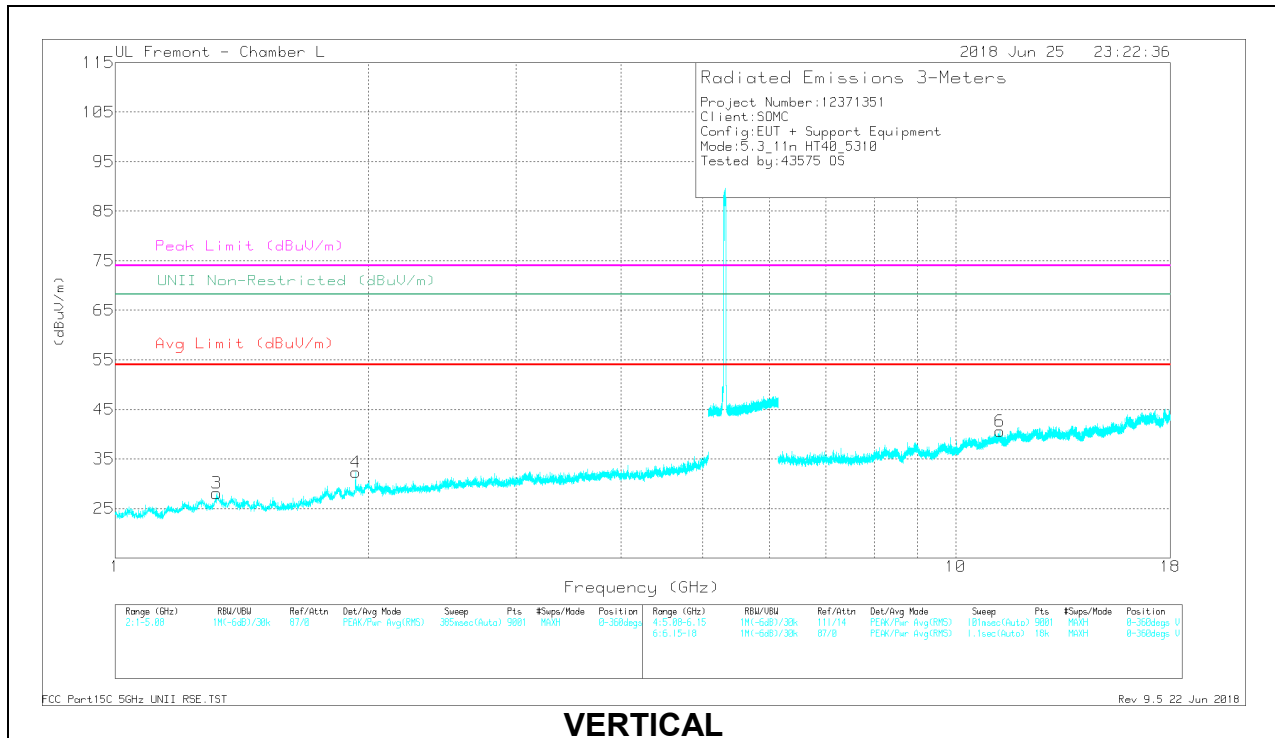
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### HIGH CHANNEL RESULTS



### HORIZONTAL



### VERTICAL

**RADIATED EMISSIONS**

Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.258	39.49	PK-U	28.8	-34.5	0	33.79	-	-	74	-40.21	-	-	149	399	H
	* 1.257	29.71	ADR	28.8	-34.5	.27	24.28	54	-29.72	-	-	-	-	149	399	H
2	* 3.849	36.84	PK-U	33.7	-30.4	0	40.14	-	-	74	-33.86	-	-	70	229	H
	* 3.85	26.61	ADR	33.7	-30.3	.27	30.28	54	-23.72	-	-	-	-	70	229	H
3	* 1.319	40.48	PK-U	29.2	-34.3	0	35.38	-	-	74	-38.62	-	-	282	192	V
	* 1.321	30.33	ADR	29.2	-34.3	.27	25.5	54	-28.5	-	-	-	-	282	192	V
4	1.931	43.11	PK-U	31.3	-33.5	0	40.91	-	-	-	-	68.2	-27.29	159	275	V
5	* 12.085	30.22	PK-U	38.8	-21.2	0	47.82	-	-	74	-26.18	-	-	183	325	H
	* 12.084	20.29	ADR	38.8	-21.2	.27	38.16	54	-15.84	-	-	-	-	183	325	H
6	* 11.286	29.53	PK-U	38	-21	0	46.53	-	-	74	-27.47	-	-	238	365	V
	* 11.284	20.19	ADR	38	-21	.27	37.46	54	-16.54	-	-	-	-	238	365	V

\* - indicates frequency in CFR47 Pt 15 Restricted Band

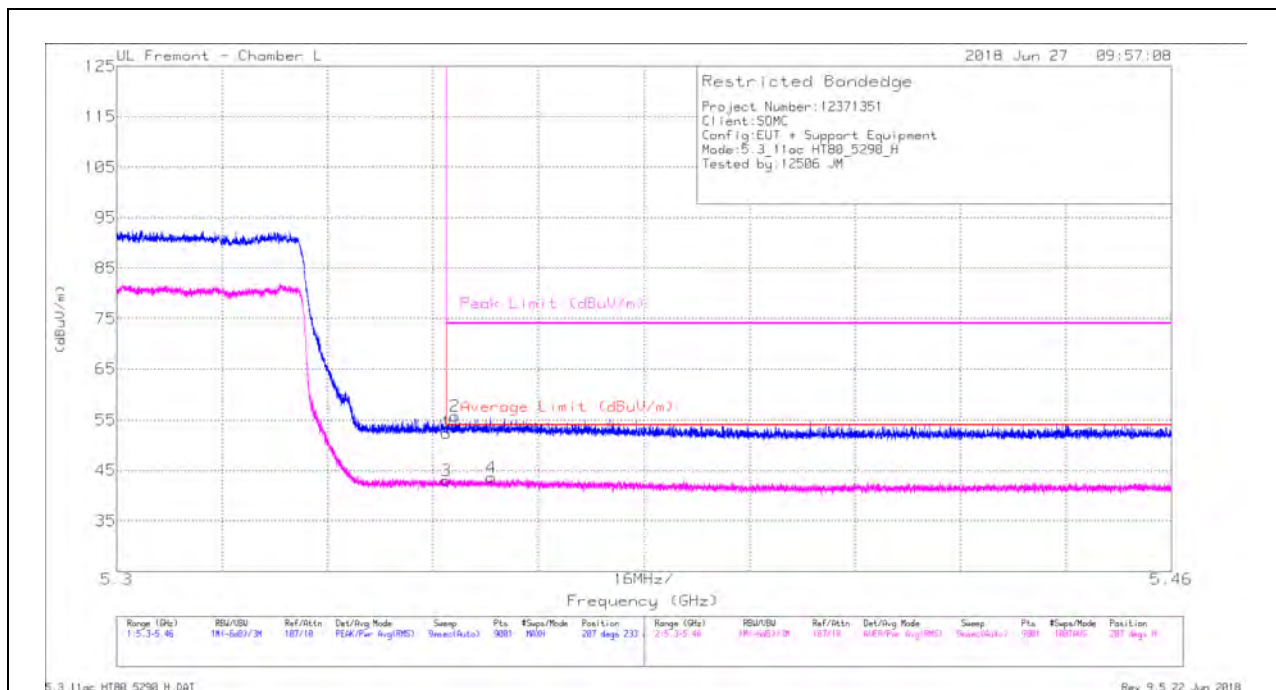
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

**9.1.8. TX ABOVE 1 GHz 802.11ac VHT80 MODE IN THE 5.3 GHz BAND**

**BANDEDGE (MID CHANNEL)**

**HORIZONTAL RESULT**



**Trace Markers**

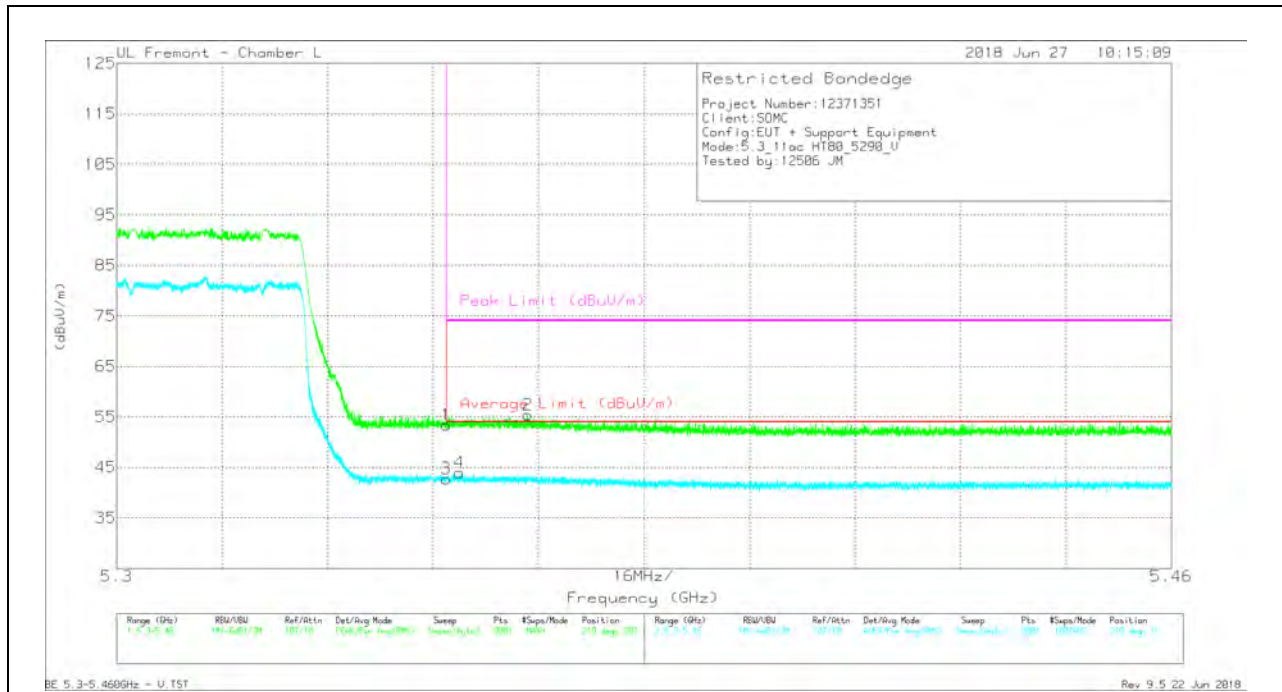
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	36.66	Pk	34.5	-18.7	0	52.46	-	-	74	-21.54	207	233	H
2	* 5.351	39.91	Pk	34.5	-18.7	0	55.71	-	-	74	-18.29	207	233	H
3	* 5.35	27.13	RMS	34.5	-18.7	.53	43.46	54	-10.54	-	-	207	233	H
4	* 5.357	27.91	RMS	34.5	-18.8	.53	44.14	54	-9.86	-	-	207	233	H

\* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULT



#### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	37.63	Pk	34.5	-18.7	0	53.43	-	-	74	-20.57	219	287	V
2	* 5.362	39.48	Pk	34.5	-18.6	0	55.38	-	-	74	-18.62	219	287	V
3	* 5.35	26.98	RMS	34.5	-18.7	.53	43.31	54	-10.69	-	-	219	287	V
4	* 5.352	28.13	RMS	34.5	-18.7	.53	44.46	54	-9.54	-	-	219	287	V

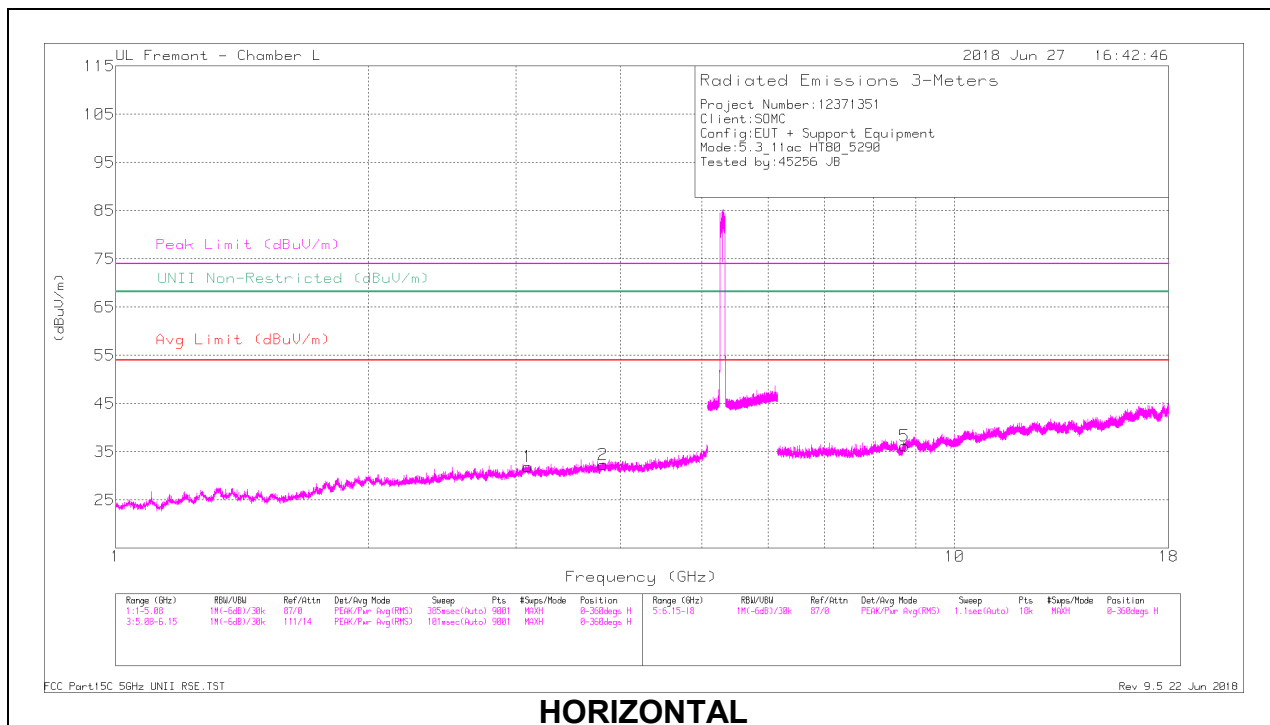
\* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

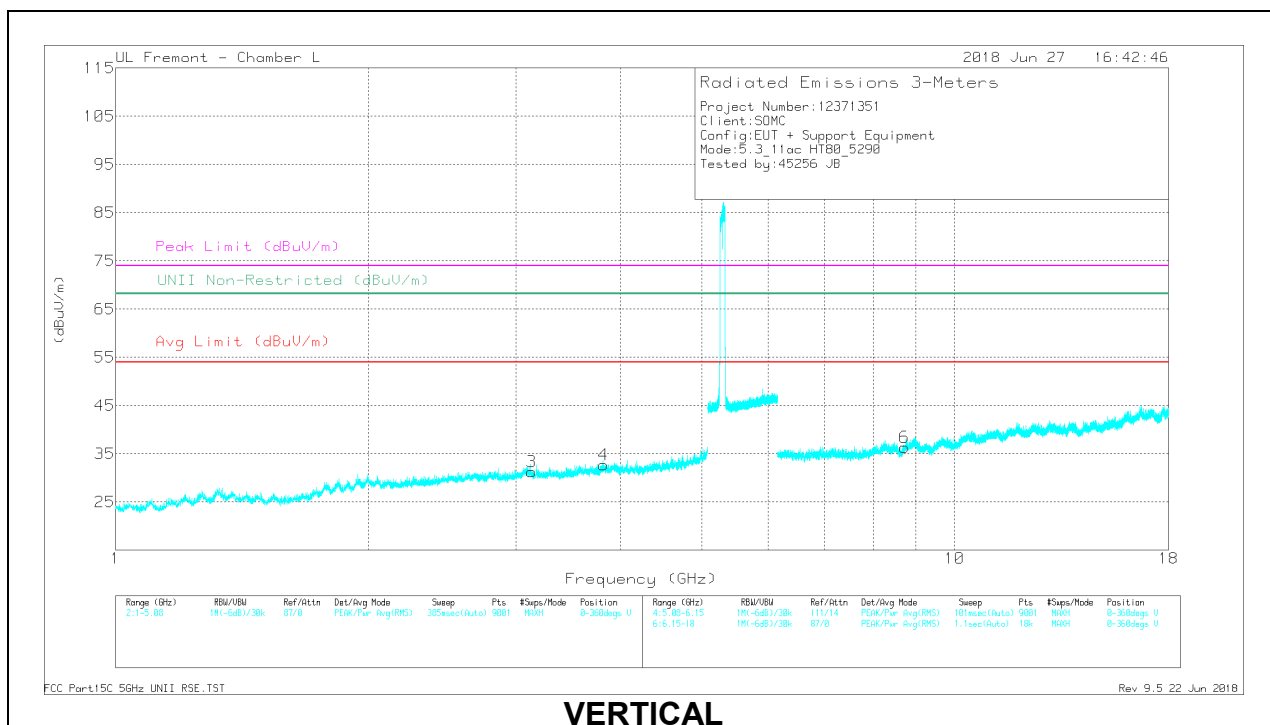
RMS - RMS detection

### HARMONICS AND SPURIOUS EMISSIONS

### MID CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**



**RADIATED EMISSIONS**

Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	3.098	36.84	PK-U	33.5	-30.9	0	39.44	-	-	-	-	68.2	-28.76	106	356	H
2	* 3.814	36.13	PK-U	33.7	-30.5	0	39.33	-	-	74	-34.67	-	-	257	209	H
	* 3.81	27.45	ADR	33.7	-30.6	.53	31.08	54	-22.92	-	-	-	-	257	209	H
3	3.129	36.43	PK-U	33.2	-31.1	0	38.53	-	-	-	-	68.2	-29.67	195	171	V
4	* 3.819	37.02	PK-U	33.7	-30.4	0	40.32	-	-	74	-33.68	-	-	194	149	V
	* 3.818	26.67	ADR	33.7	-30.4	.53	30.5	54	-23.5	-	-	-	-	194	149	V
5	8.717	29.43	PK-U	36	-22.5	0	42.93	-	-	-	-	68.2	-25.27	334	289	H
6	8.725	29.49	PK-U	36	-22.5	0	42.99	-	-	-	-	68.2	-25.21	45	219	V

\* - indicates frequency in CFR47 Pt 15 Restricted Band

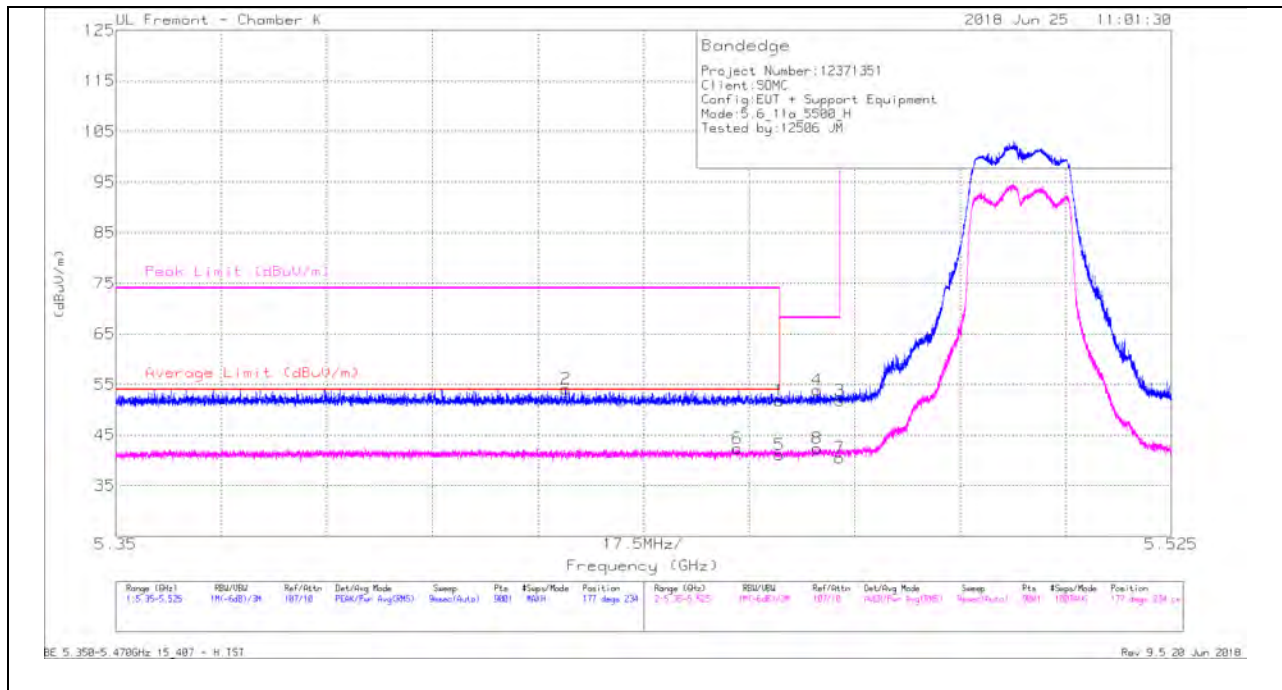
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

**9.1.9. TX ABOVE 1 GHz 802.11a MODE IN THE 5.6 GHz BAND**

**BANDEDGE (LOW CHANNEL)**

**HORIZONTAL RESULT**



**Trace Markers**

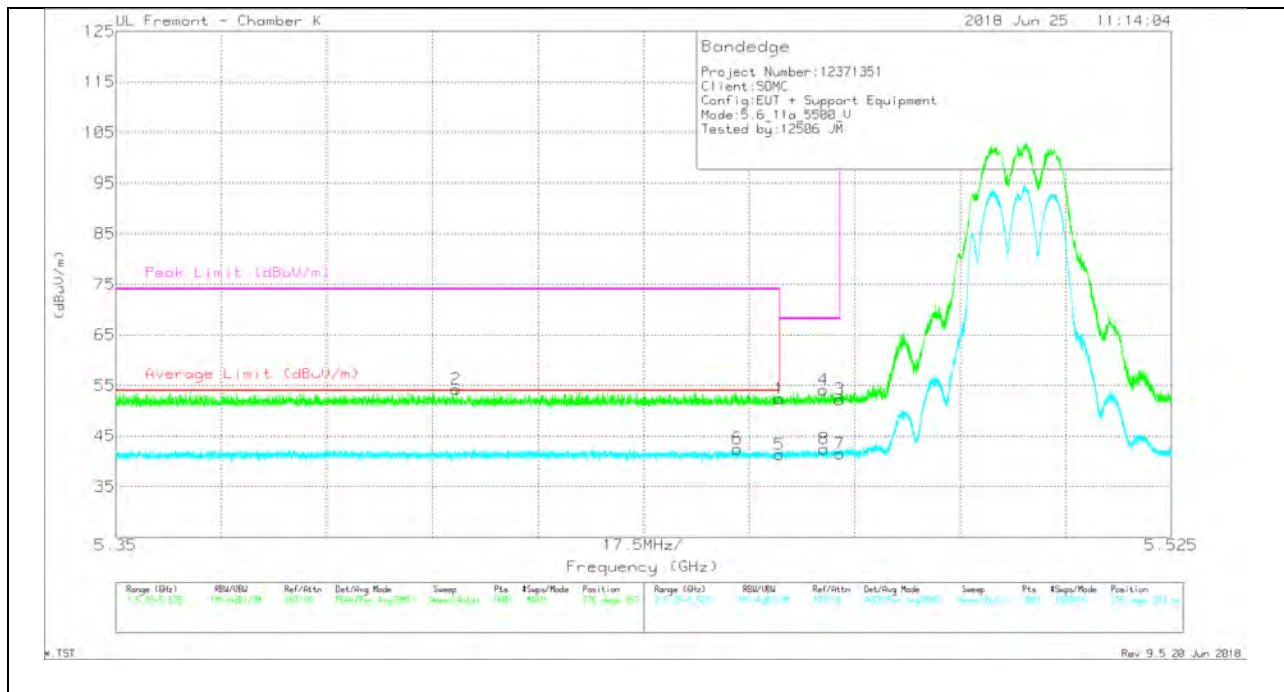
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB)	Amp/Cb/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	37.93	Pk	34.5	-20.6	51.83	-	-	74	-22.17	177	234	H
2	* 5.425	40.29	Pk	34.5	-20.6	54.19	-	-	74	-19.81	177	234	H
3	5.47	37.77	Pk	34.5	-20.5	51.77	-	-	68.2	-16.43	177	234	H
4	5.466	39.94	Pk	34.5	-20.6	53.84	-	-	68.2	-14.36	177	234	H
5	* 5.46	27.22	RMS	34.5	-20.6	41.12	54	-12.88	-	-	177	234	H
6	* 5.453	28.46	RMS	34.5	-20.6	42.36	54	-11.64	-	-	177	234	H
7	5.47	26.51	RMS	34.5	-20.5	40.51	-	-	-	-	177	234	H
8	5.466	28.41	RMS	34.5	-20.6	42.31	-	-	-	-	177	234	H

\* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULT



### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB)	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
1	* 5.46	38.47	Pk	34.5	-20.6	52.37	-	-	74	-21.63	276	353	V
2	* 5.406	40.31	Pk	34.6	-20.7	54.21	-	-	74	-19.79	276	353	V
3	5.47	38.22	Pk	34.5	-20.5	52.22	-	-	68.2	-15.98	276	353	V
4	5.467	40.21	Pk	34.5	-20.6	54.11	-	-	68.2	-14.09	276	353	V
5	* 5.46	27.42	RMS	34.5	-20.6	41.32	54	-12.68	-	-	276	353	V
6	* 5.453	28.63	RMS	34.5	-20.6	42.53	54	-11.47	-	-	276	353	V
7	5.47	27.49	RMS	34.5	-20.5	41.49	-	-	-	-	276	353	V
8	5.467	28.56	RMS	34.5	-20.6	42.46	-	-	-	-	276	353	V

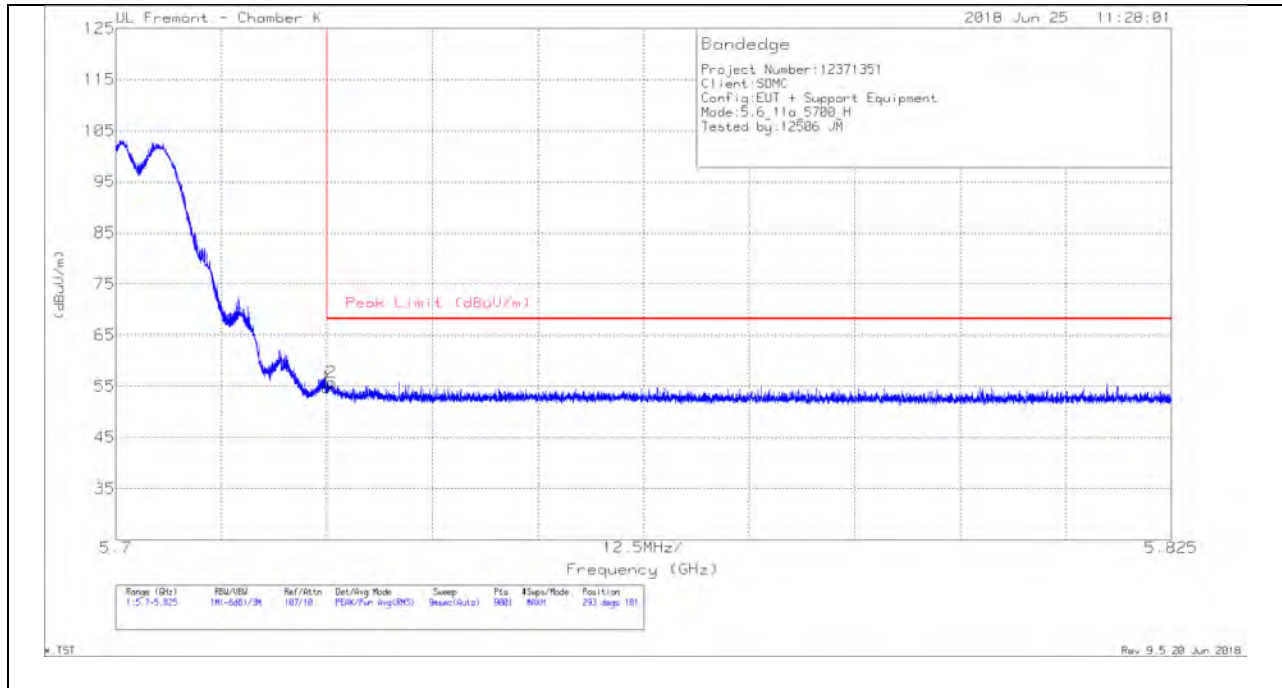
\* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

RMS - RMS detection

**BANDEGE (HIGH CHANNEL)**

**HORIZONTAL RESULT**

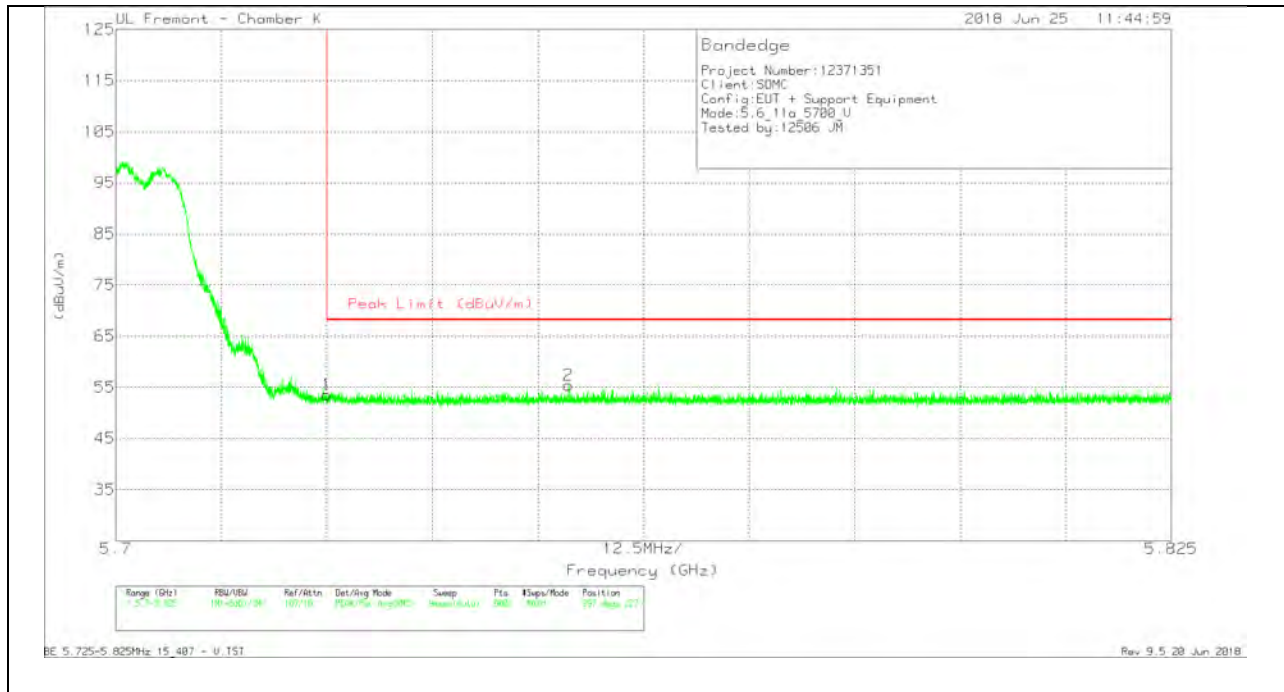


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	39.77	Pk	34.9	-19.9	54.77	68.2	-13.43	293	181	H
2	5.726	40.79	Pk	34.9	-19.9	55.79	68.2	-12.41	293	181	H

Pk - Peak detector

### VERTICAL RESULT



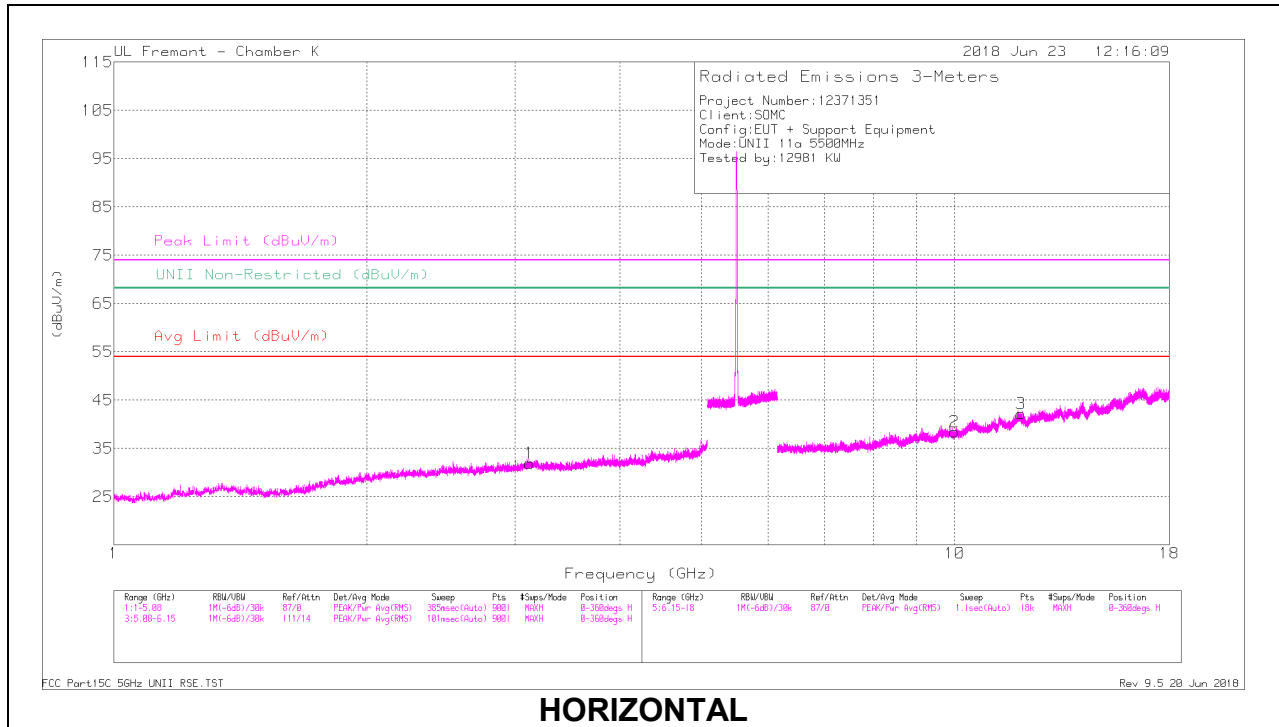
#### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	38.58	Pk	34.9	-19.9	53.58	68.2	-14.62	297	227	V
2	5.754	40.31	Pk	34.9	-19.8	55.41	68.2	-12.79	297	227	V

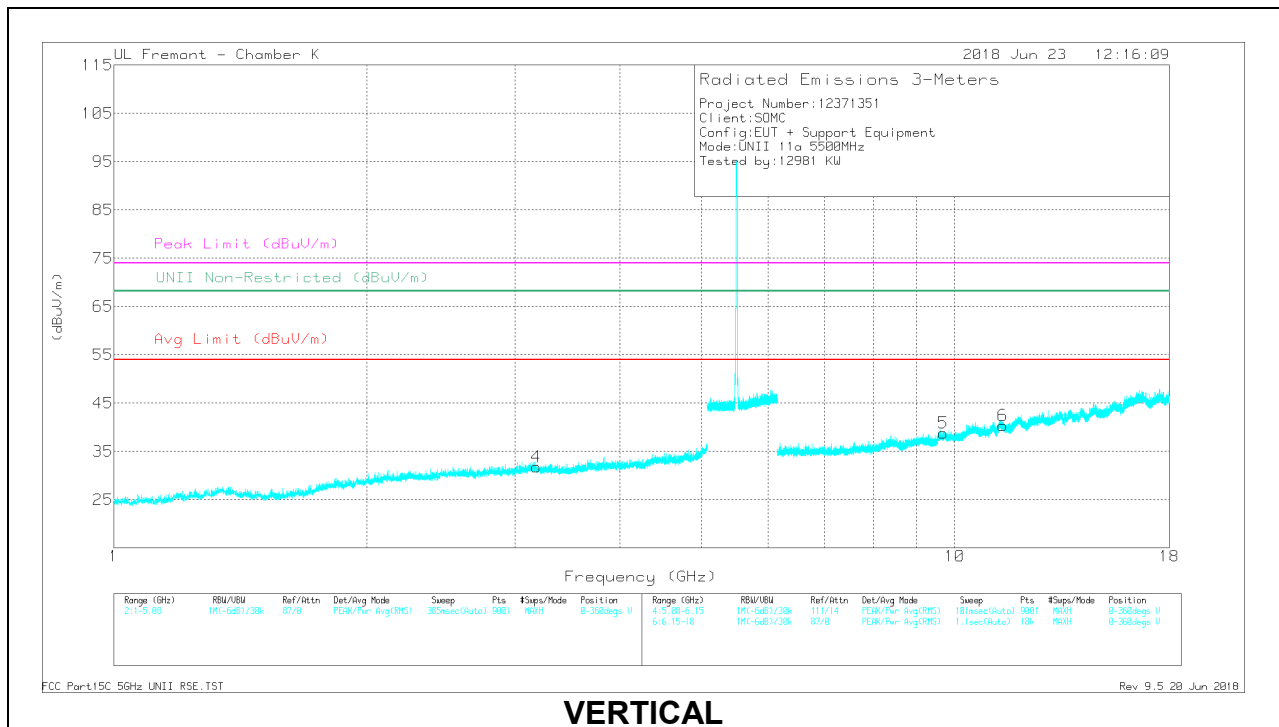
Pk - Peak detector

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Radiated Emissions

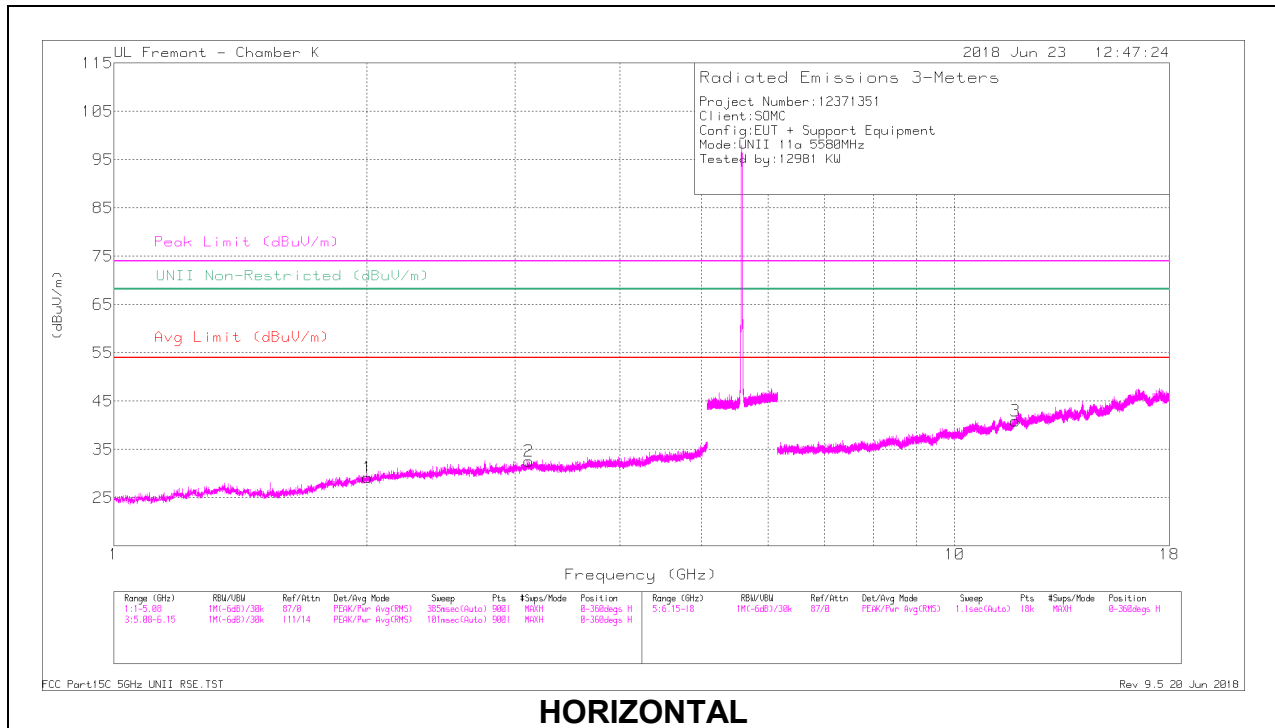
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	3.12	38.21	PK-U	32.9	-34.2	36.91	-	-	-	-	68.2	-31.29	117	172	H
4	3.179	38.77	PK-U	32.9	-33.4	38.27	-	-	-	-	68.2	-29.93	176	188	V
2	9.998	30.71	PK-U	37	-24.3	43.41	-	-	-	-	68.2	-24.79	239	175	H
3	* 11.996	31.66	PK-U	38.6	-21	49.26	-	-	74	-24.74	-	-	93	150	H
	* 11.996	21.44	ADR	38.6	-21	39.04	54	-14.96	-	-	-	-	93	150	H
5	9.69	32.2	PK-U	36.9	-24.2	44.9	-	-	-	-	68.2	-23.3	326	224	V
6	* 11.409	30.07	PK-U	38.1	-21.6	46.57	-	-	74	-27.43	-	-	155	192	V
	* 11.41	22.3	ADR	38.1	-21.6	38.8	54	-15.2	-	-	-	-	155	192	V

\* - indicates frequency in CFR47 Pt 15 Restricted Band

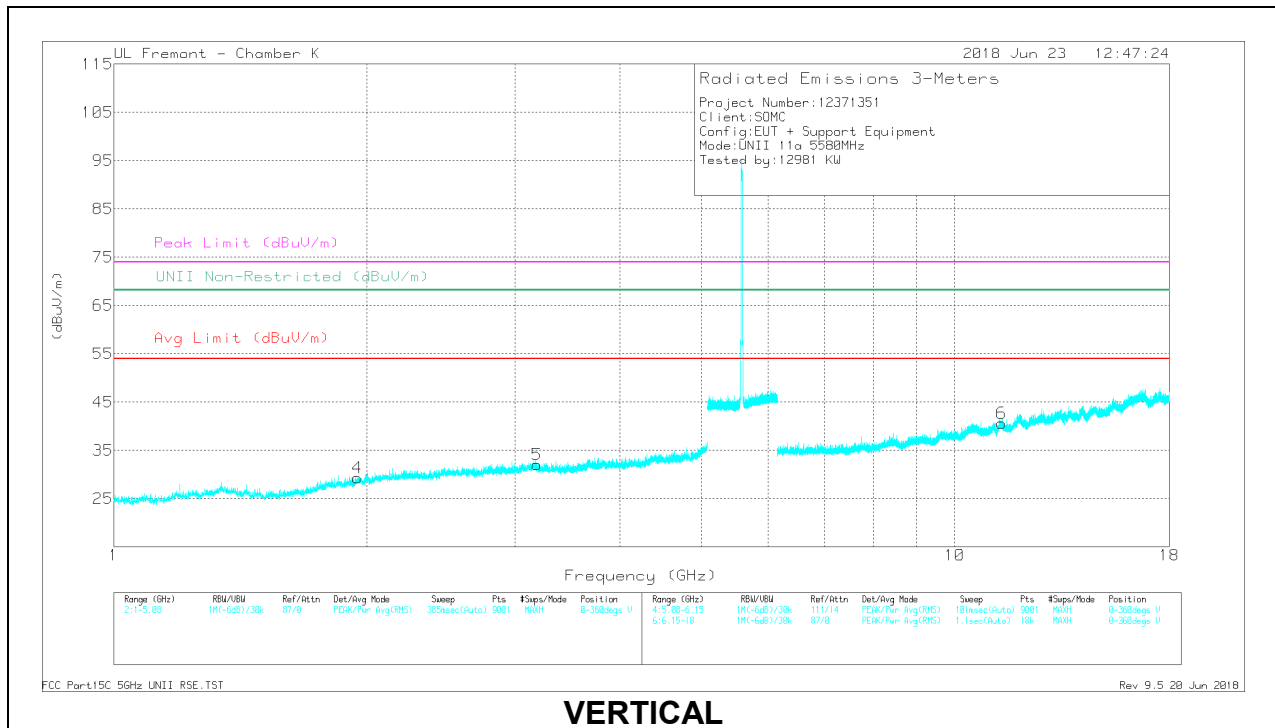
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### MID CHANNEL RESULTS



### HORIZONTAL



### VERTICAL



**RADIATED EMISSIONS**

Radiated Emissions

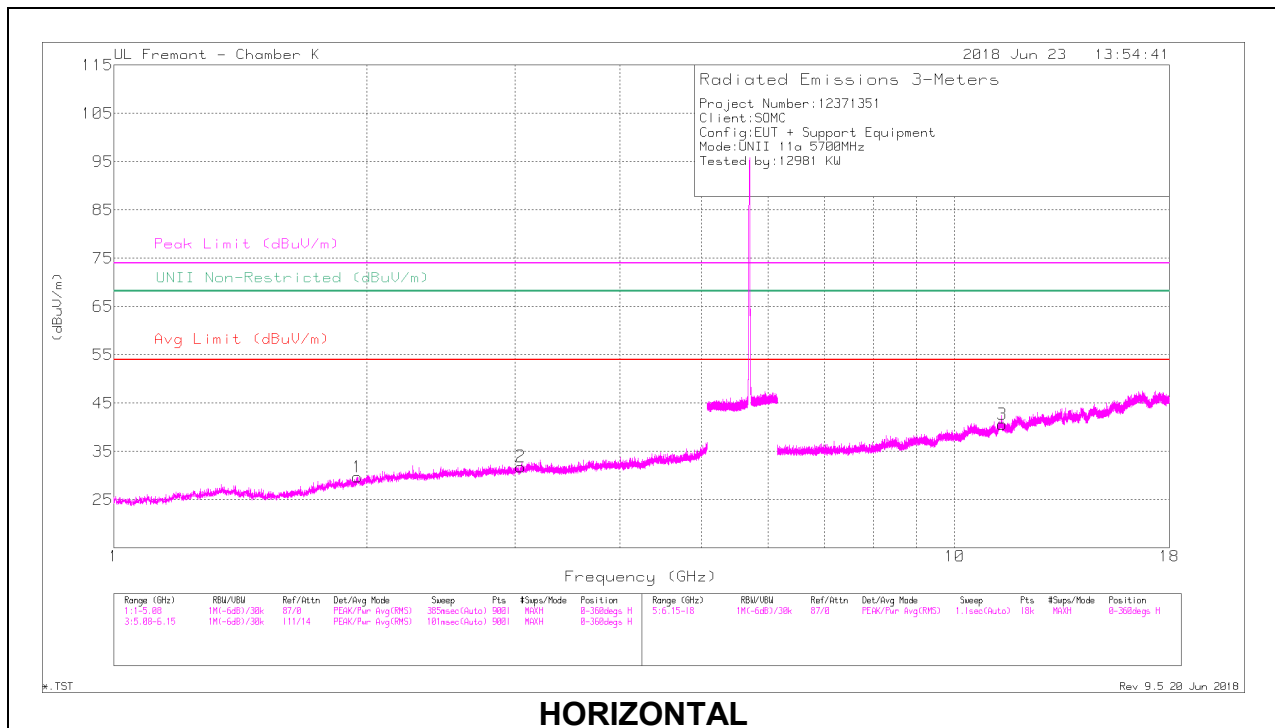
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB)	Amp/Cb/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.001	41	PK-U	31	-35.5	36.5	-	-	-	-	68.2	-31.7	243	128	H
2	3.115	40.06	PK-U	32.9	-34.2	38.76	-	-	-	-	68.2	-29.44	150	154	H
4	1.947	40.86	PK-U	30.8	-35.5	36.16	-	-	-	-	68.2	-32.04	200	141	V
5	3.186	38.08	PK-U	32.9	-33.4	37.58	-	-	-	-	68.2	-30.62	79	117	V
3	* 11.81	29.72	PK-U	38.4	-21.3	46.82	-	-	74	-27.18	-	-	300	140	H
	* 11.812	21.68	ADR	38.4	-21.3	38.78	54	-15.22	-	-	-	-	300	140	H
6	* 11.373	30.34	PK-U	38	-21.4	46.94	-	-	74	-27.06	-	-	268	123	V
	* 11.372	22.14	ADR	38	-21.4	38.74	54	-15.26	-	-	-	-	268	123	V

\* - indicates frequency in CFR47 Pt 15 Restricted Band

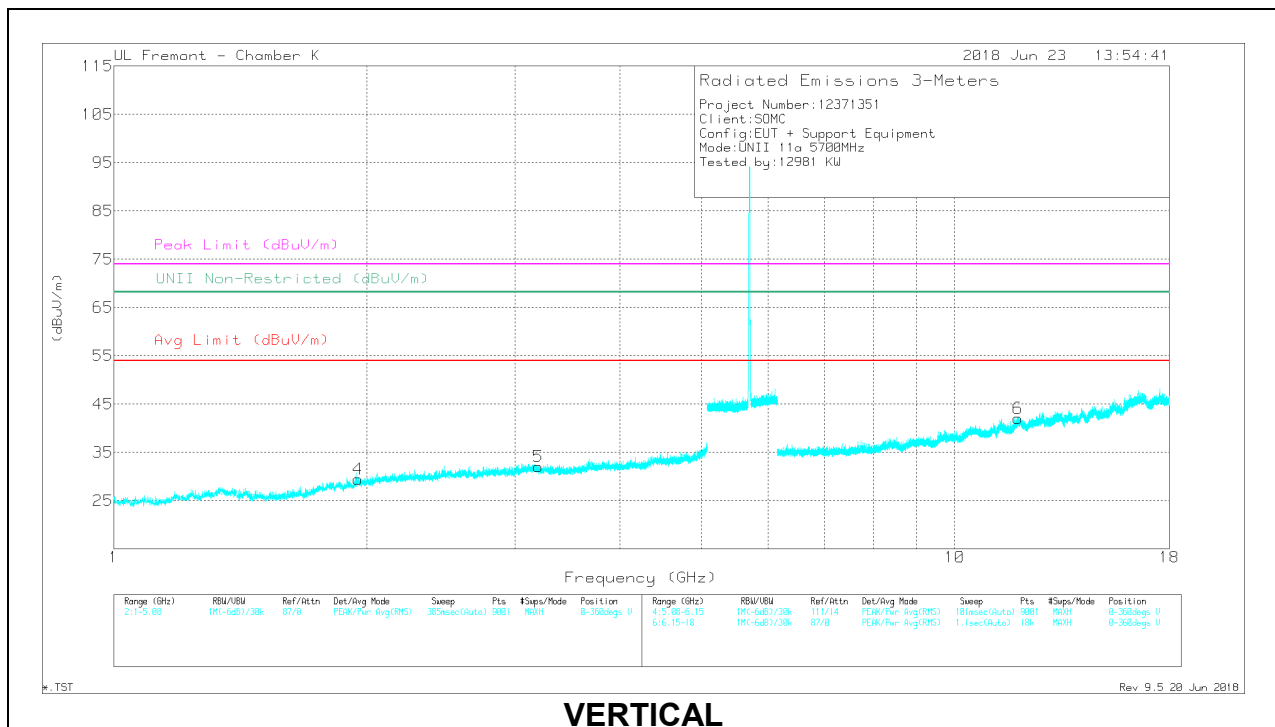
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### HIGH CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Radiated Emissions

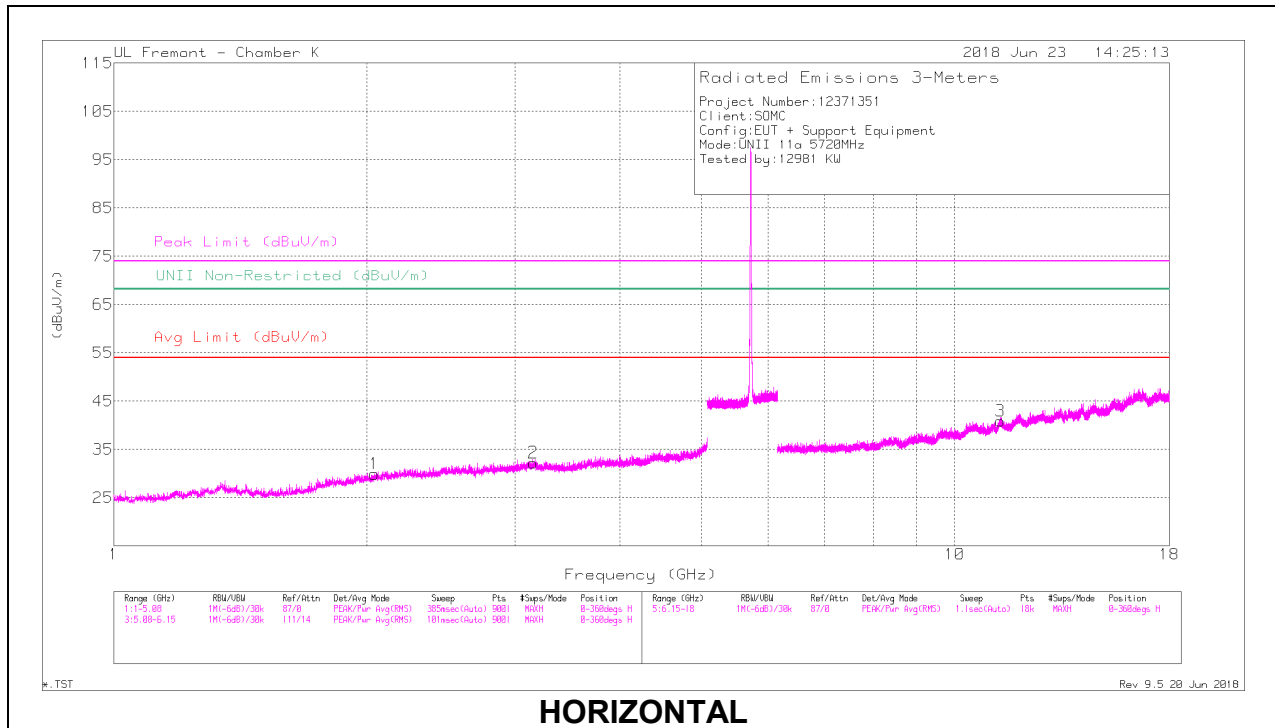
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB)	Amp/Cb/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.949	40.7	PK-U	30.8	-35.5	36	-	-	-	-	68.2	-32.2	164	168	H
2	3.044	40.1	PK-U	32.9	-34.5	38.5	-	-	-	-	68.2	-29.7	204	174	H
4	1.95	40.79	PK-U	30.8	-35.5	36.09	-	-	-	-	68.2	-32.11	126	194	V
5	3.194	38.6	PK-U	32.9	-33.3	38.2	-	-	-	-	68.2	-30	67	219	V
3	* 11.385	29.71	PK-U	38	-21.5	46.21	-	-	74	-27.79	-	-	279	131	H
	* 11.382	21.7	ADR	38	-21.4	38.3	54	-15.7	-	-	-	-	279	131	H
6	* 11.887	32.44	PK-U	38.4	-20.9	49.94	-	-	74	-24.06	-	-	223	139	V
	* 11.886	22.28	ADR	38.4	-20.9	39.78	54	-14.22	-	-	-	-	223	139	V

\* - indicates frequency in CFR47 Pt 15 Restricted Band

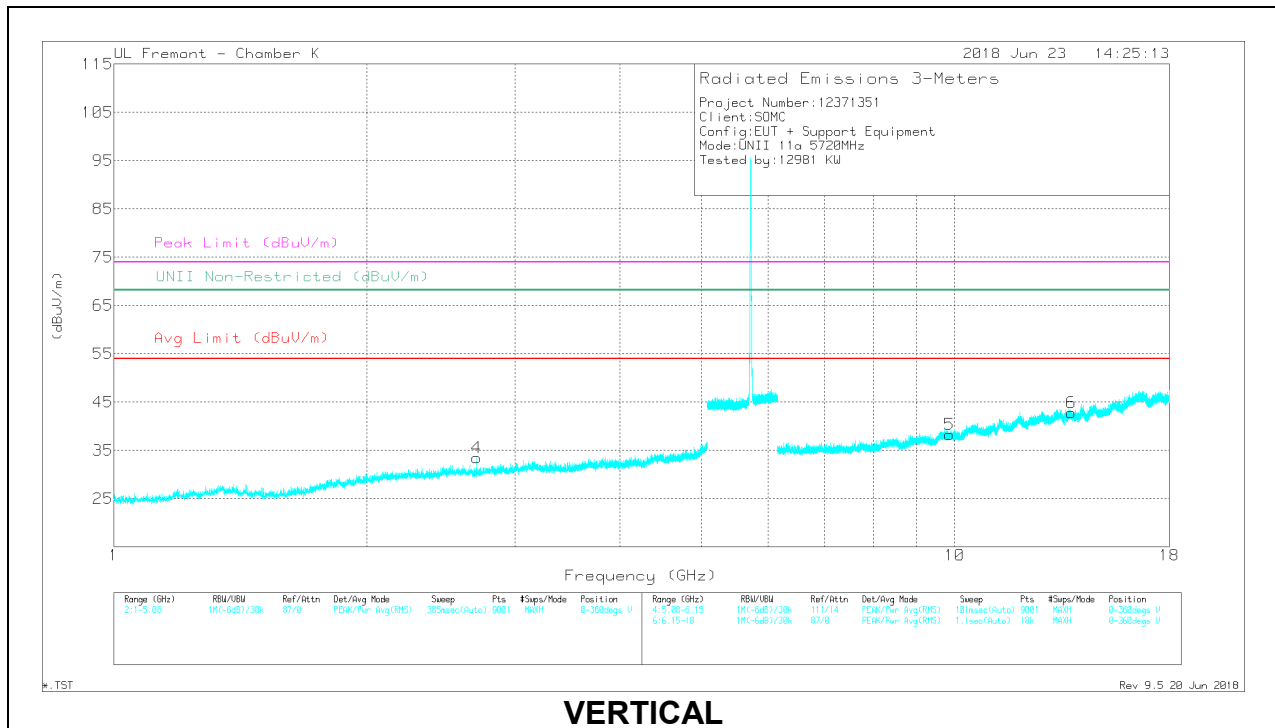
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### CHANNEL 144 RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB)	Amp/Cb/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	2.041	39.98	PK-U	31.2	-35.5	35.68	-	-	-	-	68.2	-32.52	78	139	H
2	3.153	40.2	PK-U	32.9	-34	39.1	-	-	-	-	68.2	-29.1	117	164	H
4	* 2.7	39.09	PK-U	32.2	-34.8	36.49	-	-	74	-37.51	-	-	300	225	V
	* 2.703	31.66	ADR	32.2	-34.8	29.06	54	-24.94	-	-	-	-	300	225	V
3	* 11.332	32.25	PK-U	38	-21.7	48.55	-	-	74	-25.45	-	-	265	212	H
	* 11.333	21.89	ADR	38	-21.7	38.19	54	-15.81	-	-	-	-	265	212	H
5	9.86	32.75	PK-U	37	-24.5	45.25	-	-	-	-	68.2	-22.95	196	177	V
6	13.761	29.09	PK-U	38.7	-19.1	48.69	-	-	-	-	68.2	-19.51	244	165	V

\* - indicates frequency in CFR47 Pt 15 Restricted Band

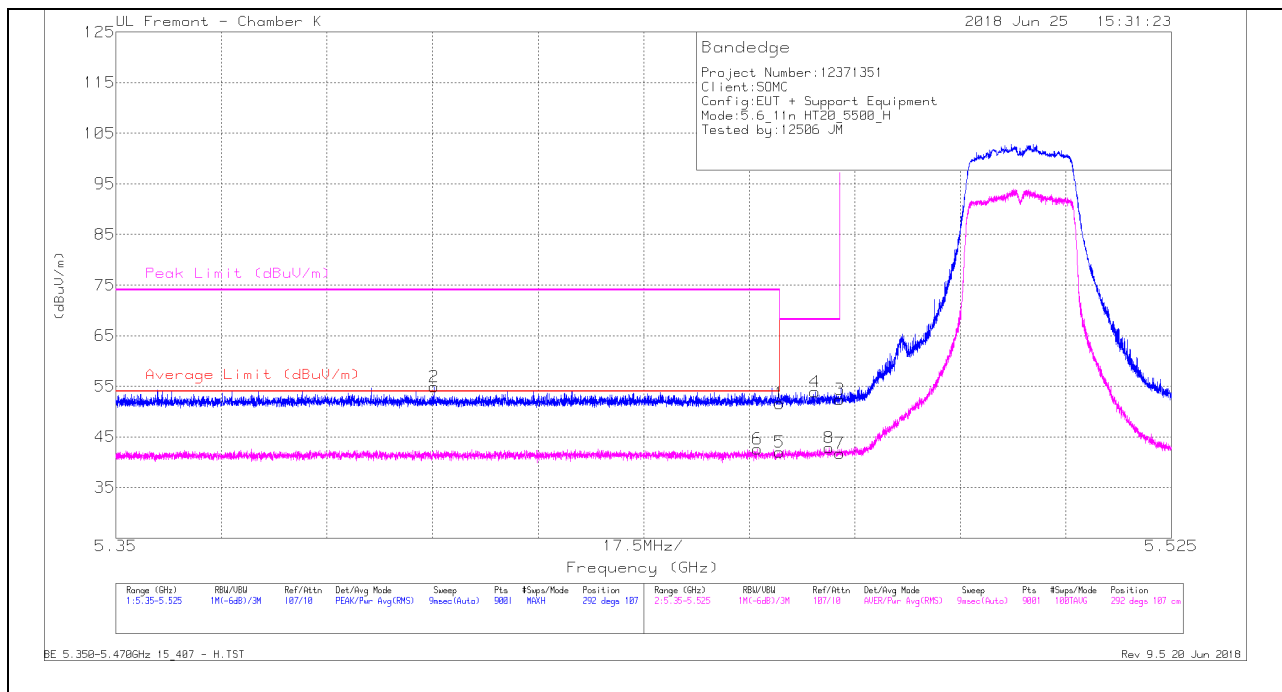
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

**9.1.10. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.6 GHz BAND**

**BANDEDGE (LOW CHANNEL)**

**HORIZONTAL RESULT**



**Trace Markers**

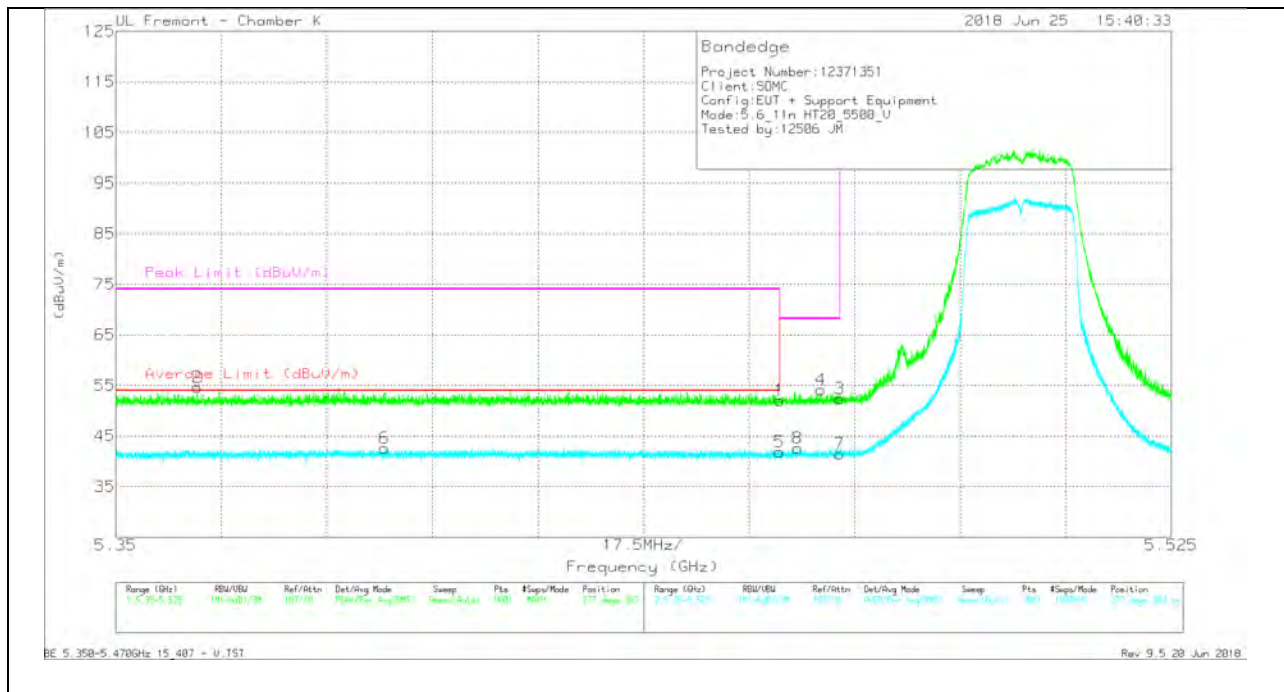
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB)	Amp/Cb/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	37.7	Pk	34.5	-20.6	51.6	-	-	74	-22.4	292	107	H
2	* 5.403	40.93	Pk	34.6	-20.7	54.83	-	-	74	-19.17	292	107	H
3	5.47	38.43	Pk	34.5	-20.5	52.43	-	-	68.2	-15.77	292	107	H
4	5.466	40.02	Pk	34.5	-20.6	53.92	-	-	68.2	-14.28	292	107	H
5	* 5.46	28.02	RMS	34.5	-20.6	41.92	54	-12.08	-	-	292	107	H
6	* 5.456	28.68	RMS	34.5	-20.6	42.58	54	-11.42	-	-	292	107	H
7	5.47	27.7	RMS	34.5	-20.5	41.7	-	-	-	-	292	107	H
8	5.468	28.93	RMS	34.5	-20.6	42.83	-	-	-	-	292	107	H

\* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULT



### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB)	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
1	* 5.46	38.1	Pk	34.5	-20.6	52	-	-	74	-22	277	363	V
2	* 5.363	40.78	Pk	34.5	-20.7	54.58	-	-	74	-19.42	277	363	V
3	5.47	38.41	Pk	34.5	-20.5	52.41	-	-	68.2	-15.79	277	363	V
4	5.467	40.25	Pk	34.5	-20.6	54.15	-	-	68.2	-14.05	277	363	V
5	* 5.46	27.9	RMS	34.5	-20.6	41.8	54	-12.2	-	-	277	363	V
6	* 5.395	28.69	RMS	34.6	-20.7	42.59	54	-11.41	-	-	277	363	V
7	5.47	27.45	RMS	34.5	-20.5	41.45	-	-	-	-	277	363	V
8	5.463	28.72	RMS	34.5	-20.6	42.62	-	-	-	-	277	363	V

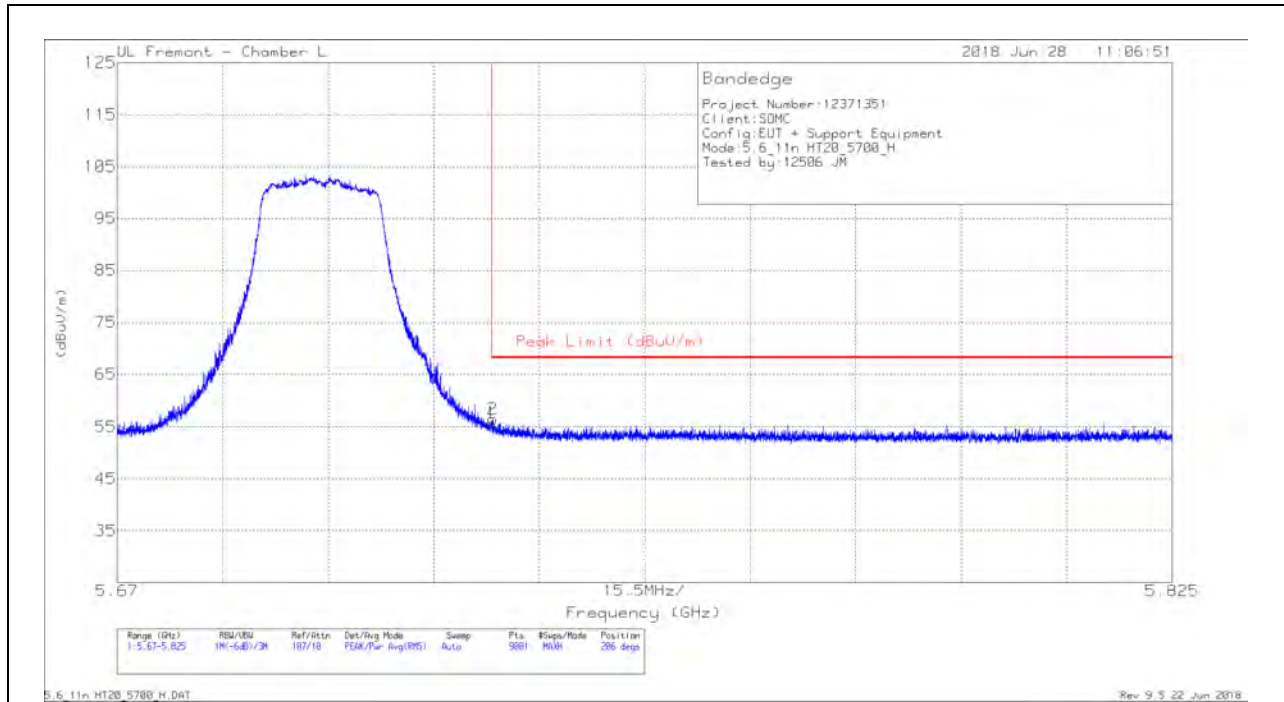
\* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

RMS - RMS detection

**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL RESULT**



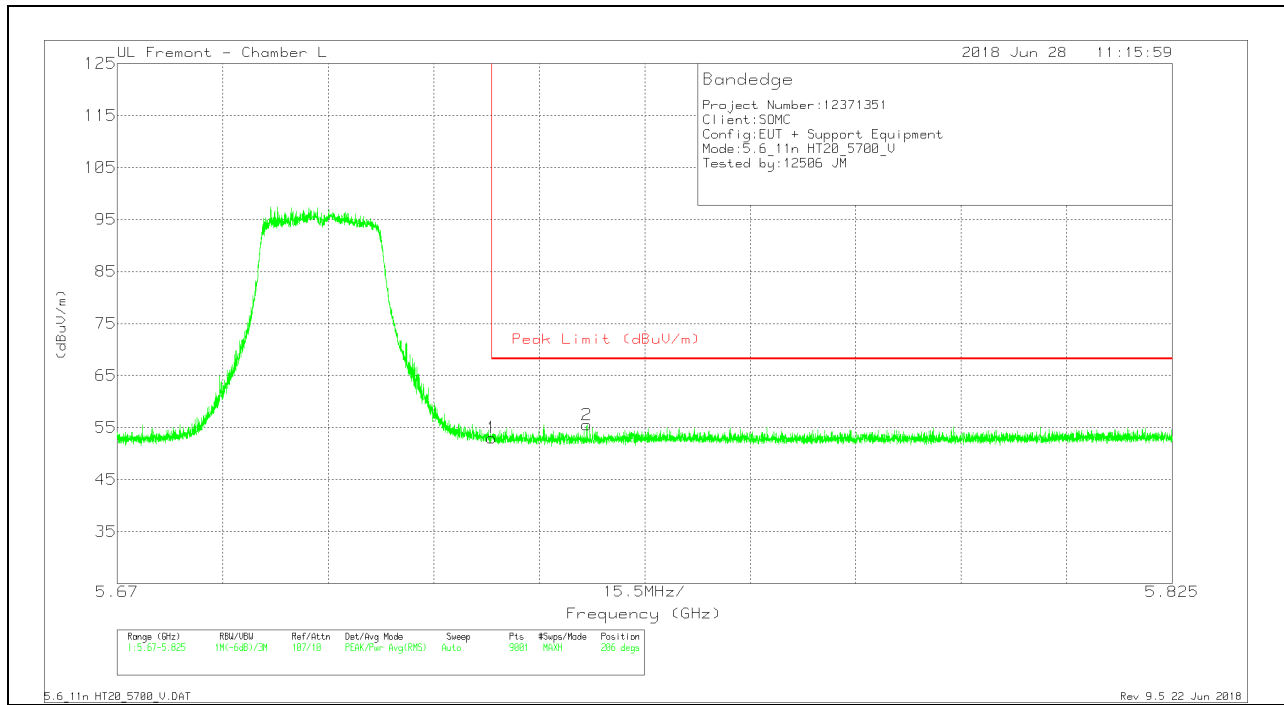
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (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	39.17	Pk	34.9	-18.4	55.67	68.2	-12.53	206	113	H
2	5.725	39.96	Pk	34.9	-18.4	56.46	68.2	-11.74	206	113	H

Pk - Peak detector



### VERTICAL RESULT



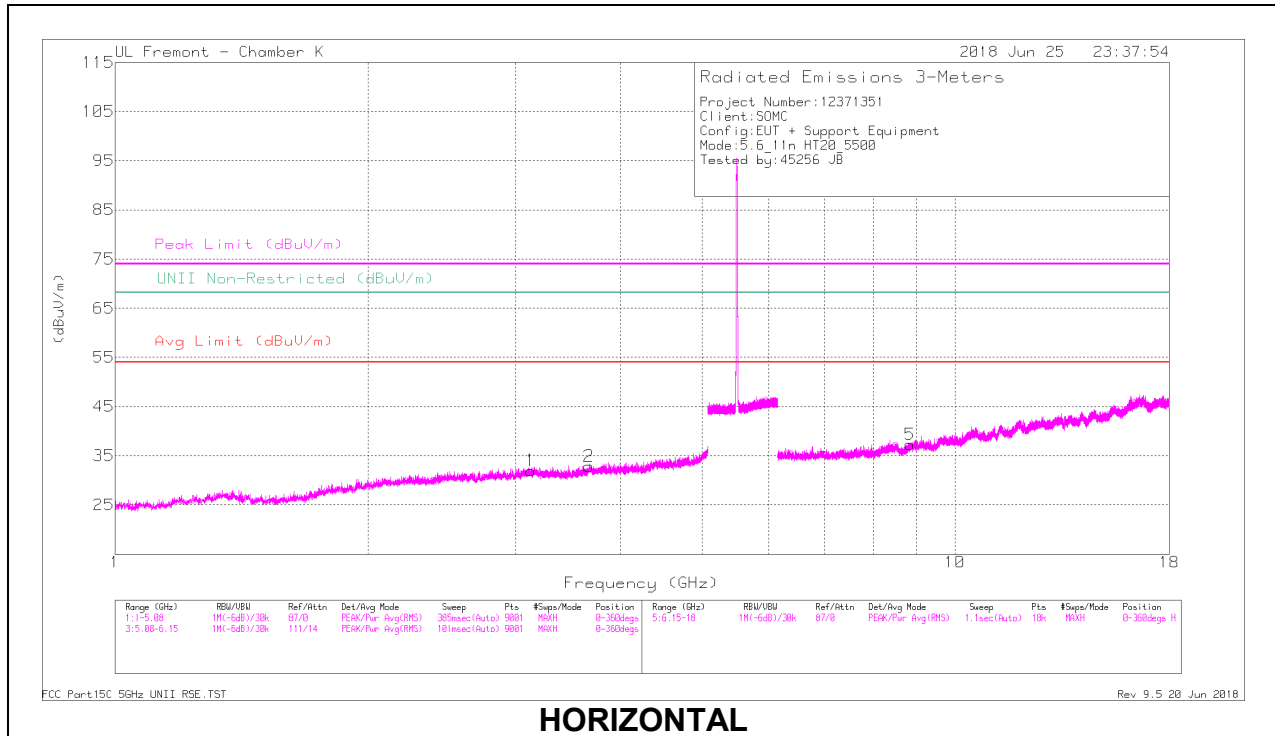
#### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (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	36.5	Pk	34.9	-18.4	53	68.2	-15.2	206	110	V
2	5.739	38.91	Pk	35	-18.4	55.51	68.2	-12.69	206	110	V

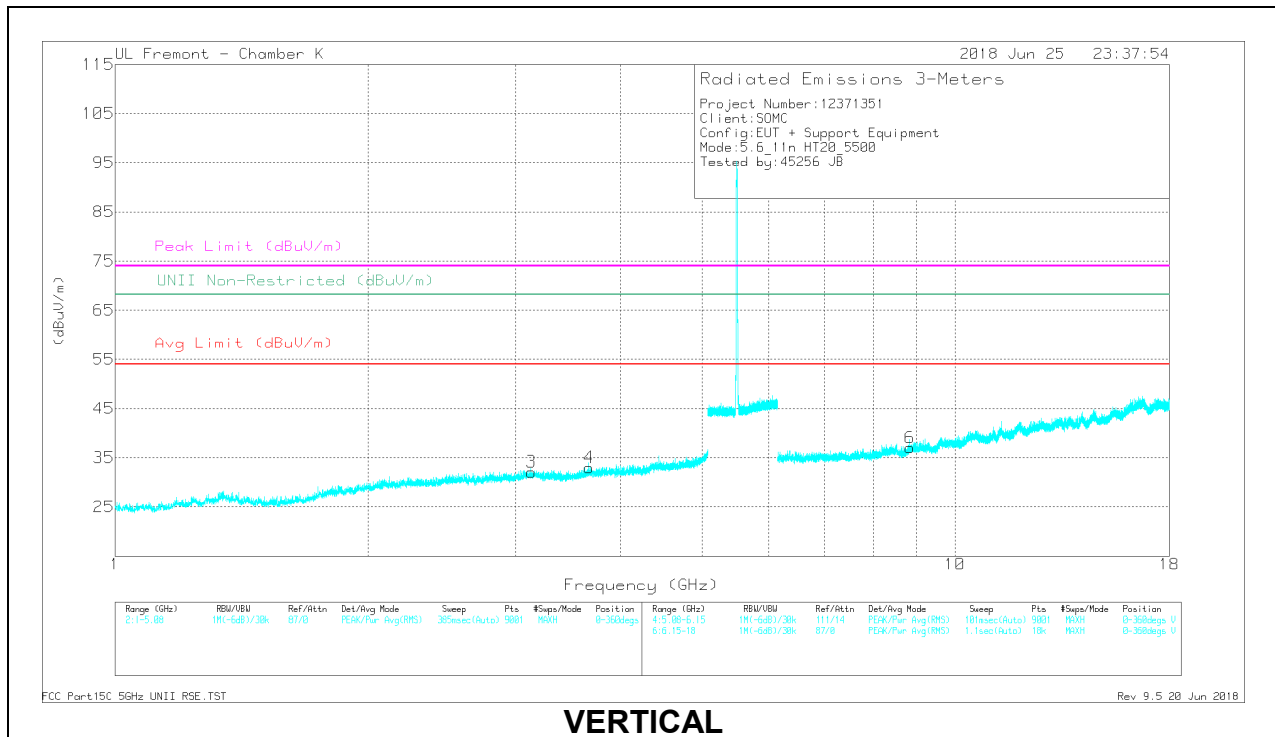
Pk - Peak detector

**HARMONICS AND SPURIOUS EMISSIONS**

**LOW CHANNEL RESULTS**



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Radiated Emissions

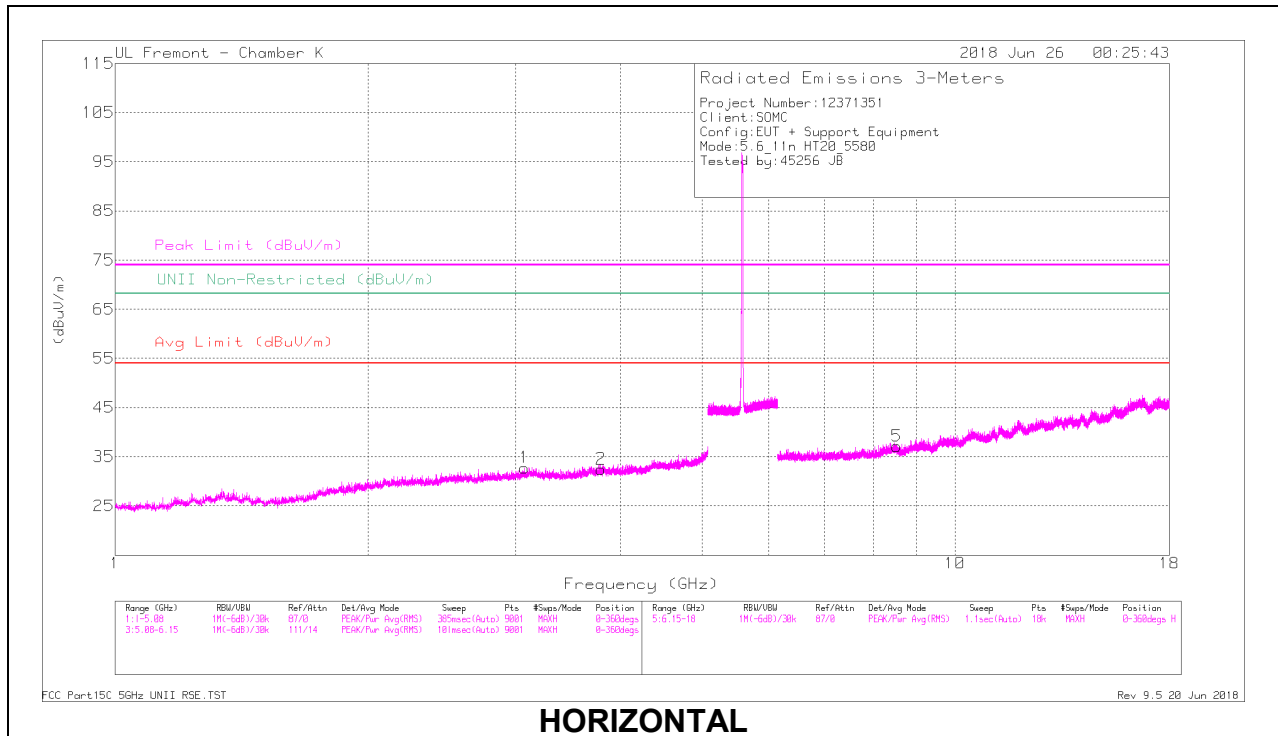
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	3.129	40.03	PK-U	32.9	-34.2	0	38.73	-	-	-	-	68.2	-29.47	20	276	H
2	* 3.667	40.25	PK-U	33	-32.7	0	40.55	-	-	74	-33.45	-	-	253	333	H
	* 3.666	29.88	ADR	33	-32.7	0	30.18	54	-23.82	-	-	-	-	253	333	H
3	3.128	40.01	PK-U	32.9	-34.2	0	38.71	-	-	-	-	68.2	-29.49	243	145	V
4	* 3.67	39.51	PK-U	33	-32.7	0	39.81	-	-	74	-34.19	-	-	59	107	V
	* 3.672	30.03	ADR	33	-32.7	0	30.33	54	-23.67	-	-	-	-	59	107	V
5	8.843	33.4	PK-U	36.1	-24.4	0	45.1	-	-	-	-	68.2	-23.1	5	359	H
6	8.843	32.25	PK-U	36.1	-24.4	0	43.95	-	-	-	-	68.2	-24.25	239	123	V

\* - indicates frequency in CFR47 Pt 15 Restricted Band

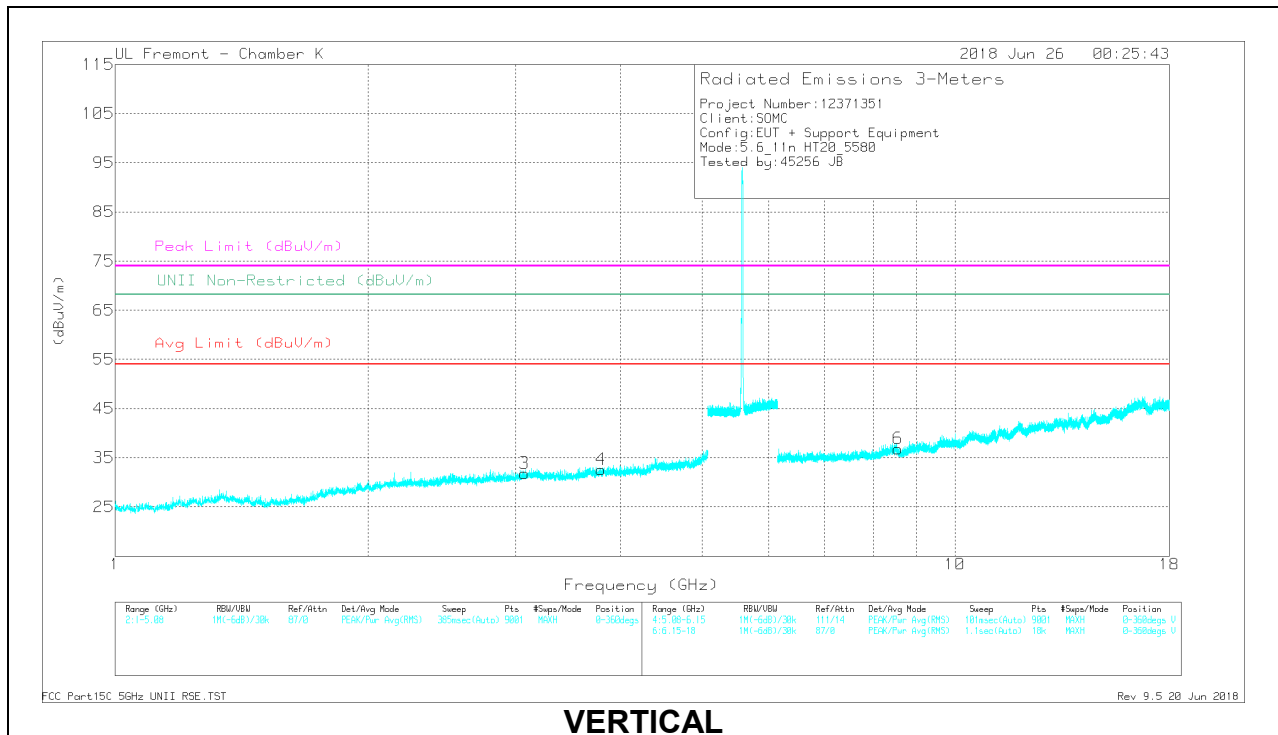
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### MID CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Radiated Emissions

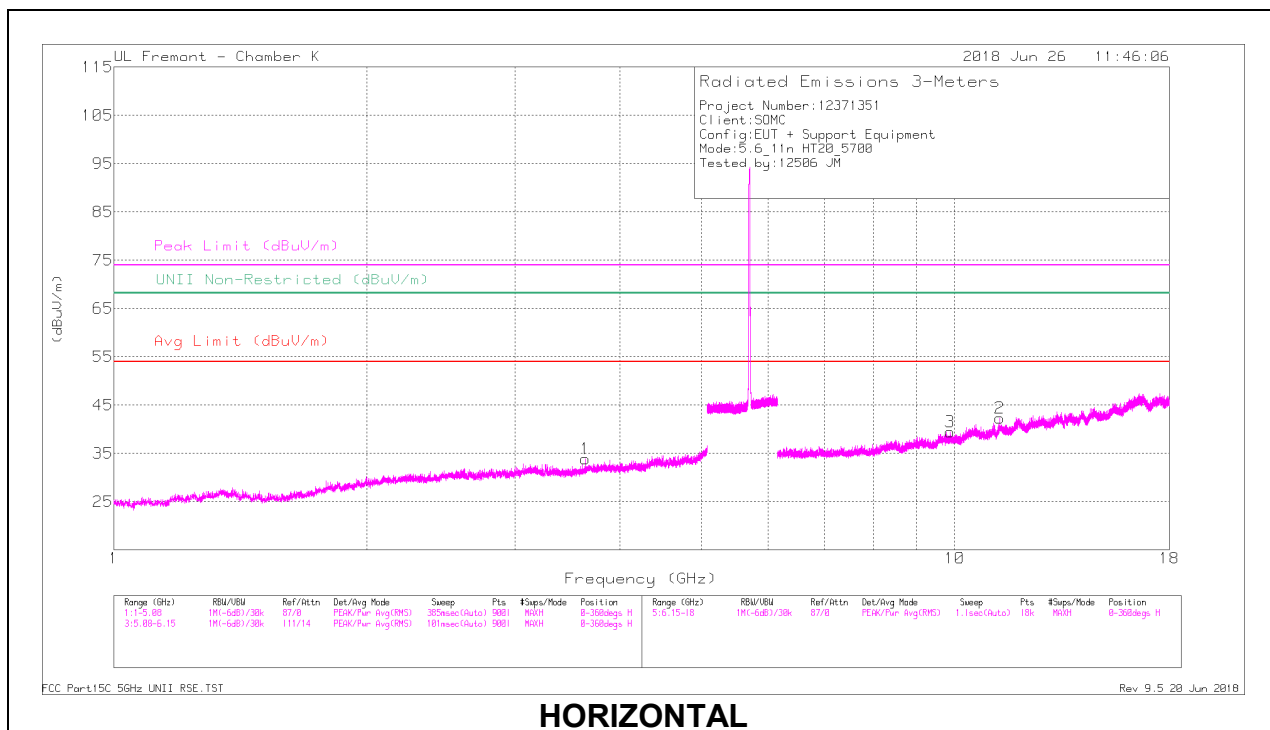
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	3.07	40.8	PK-U	32.9	-34.5	0	39.2	-	-	-	-	68.2	-29	297	105	H
2	* 3.792	38.42	PK-U	33.4	-32.3	0	39.52	-	-	74	-34.48	-	-	27	309	H
	* 3.793	28.67	ADR	33.4	-32.3	0	29.77	54	-24.23	-	-	-	-	27	309	H
3	3.073	41.2	PK-U	32.9	-34.5	0	39.6	-	-	-	-	68.2	-28.6	88	158	V
4	* 3.789	38.09	PK-U	33.4	-32.3	0	39.19	-	-	74	-34.81	-	-	74	347	V
	* 3.788	29.41	ADR	33.4	-32.3	0	30.51	54	-23.49	-	-	-	-	74	347	V
5	8.528	32.84	PK-U	35.7	-24.8	0	43.74	-	-	-	-	68.2	-24.46	172	307	H
6	8.557	32.92	PK-U	35.7	-24.7	0	43.92	-	-	-	-	68.2	-24.28	235	119	V

\* - indicates frequency in CFR47 Pt 15 Restricted Band

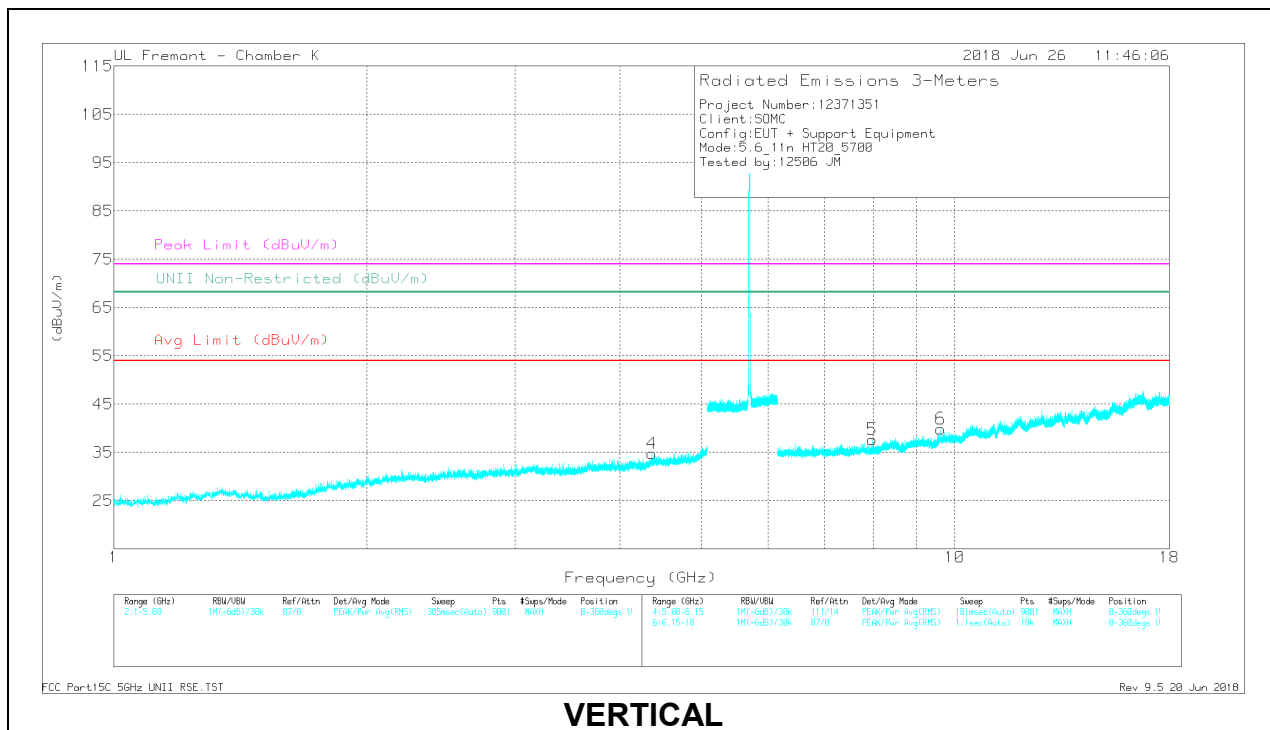
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### HIGH CHANNEL RESULTS



### HORIZONTAL



### VERTICAL

**RADIATED EMISSIONS**

Radiated Emissions

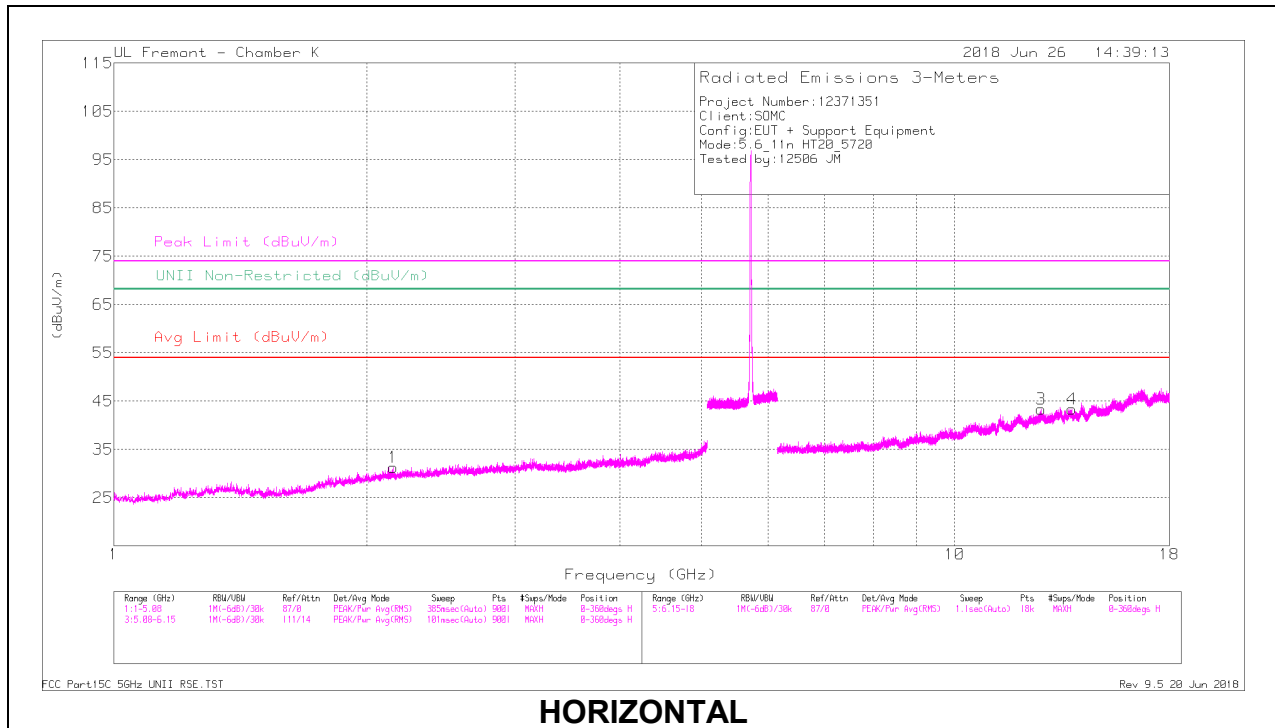
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB)	Amp/Cb/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.635	39.21	PK-U	33	-32.9	39.31	-	-	74	-34.69	-	-	315	332	H
	* 3.633	29.64	ADR	33	-32.9	29.74	54	-24.26	-	-	-	-	315	332	H
4	* 4.367	38.36	PK-U	33.8	-31.6	40.56	-	-	74	-33.44	-	-	57	339	V
	* 4.366	28.97	ADR	33.7	-31.6	31.07	54	-22.93	-	-	-	-	57	339	V
2	* 11.302	32.08	PK-U	38	-21.6	48.48	-	-	74	-25.52	-	-	308	332	H
	* 11.302	22.59	ADR	38	-21.6	38.99	54	-15.01	-	-	-	-	308	332	H
3	9.881	32.85	PK-U	37	-24.4	45.45	-	-	-	-	68.2	-22.75	323	154	H
5	7.978	32.92	PK-U	35.7	-26.6	42.02	-	-	-	-	68.2	-26.18	286	129	V
6	9.625	31.95	PK-U	36.8	-23.8	44.95	-	-	-	-	68.2	-23.25	261	118	V

\* - indicates frequency in CFR47 Pt 15 Restricted Band

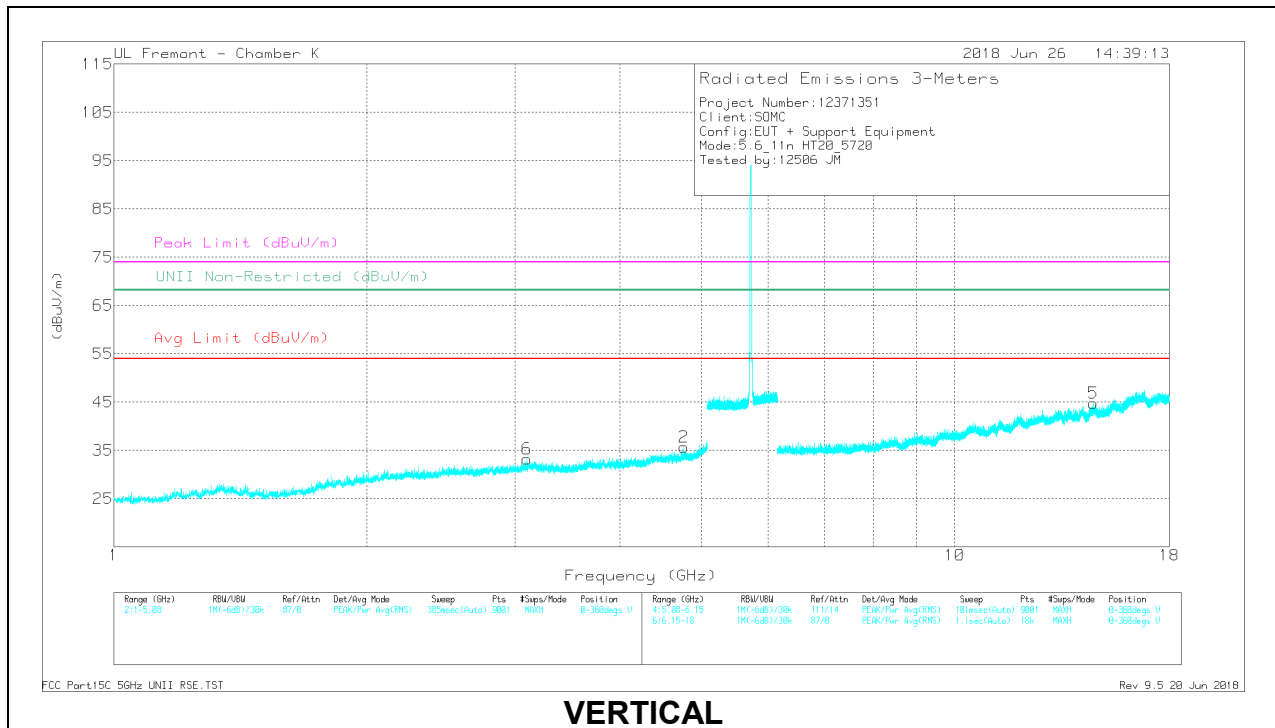
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### CHANNEL 144 RESULTS



### HORIZONTAL



### VERTICAL



**RADIATED EMISSIONS**

Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB)	Amp/Cb/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	2.147	42.61	PK-U	31.6	-35.5	38.71	-	-	-	-	68.2	-29.49	165	114	H
2	* 4.765	39.62	PK-U	34.1	-30.6	43.12	-	-	74	-30.88	-	-	338	349	V
	* 4.766	28.21	ADR	34.1	-30.6	31.71	54	-22.29	-	-	-	-	338	349	V
6	3.103	40.58	PK-U	33	-34.4	39.18	-	-	-	-	68.2	-29.02	349	303	V
3	* 12.668	29.91	PK-U	38.9	-21	47.81	-	-	74	-26.19	-	-	343	305	H
	* 12.666	22.18	ADR	39	-21	40.18	54	-13.82	-	-	-	-	343	305	H
4	13.789	30.16	PK-U	38.7	-19.3	49.56	-	-	-	-	68.2	-18.64	292	277	H
5	14.615	29.11	PK-U	39.8	-19.4	49.51	-	-	-	-	68.2	-18.69	209	275	V

\* - indicates frequency in CFR47 Pt 15 Restricted Band

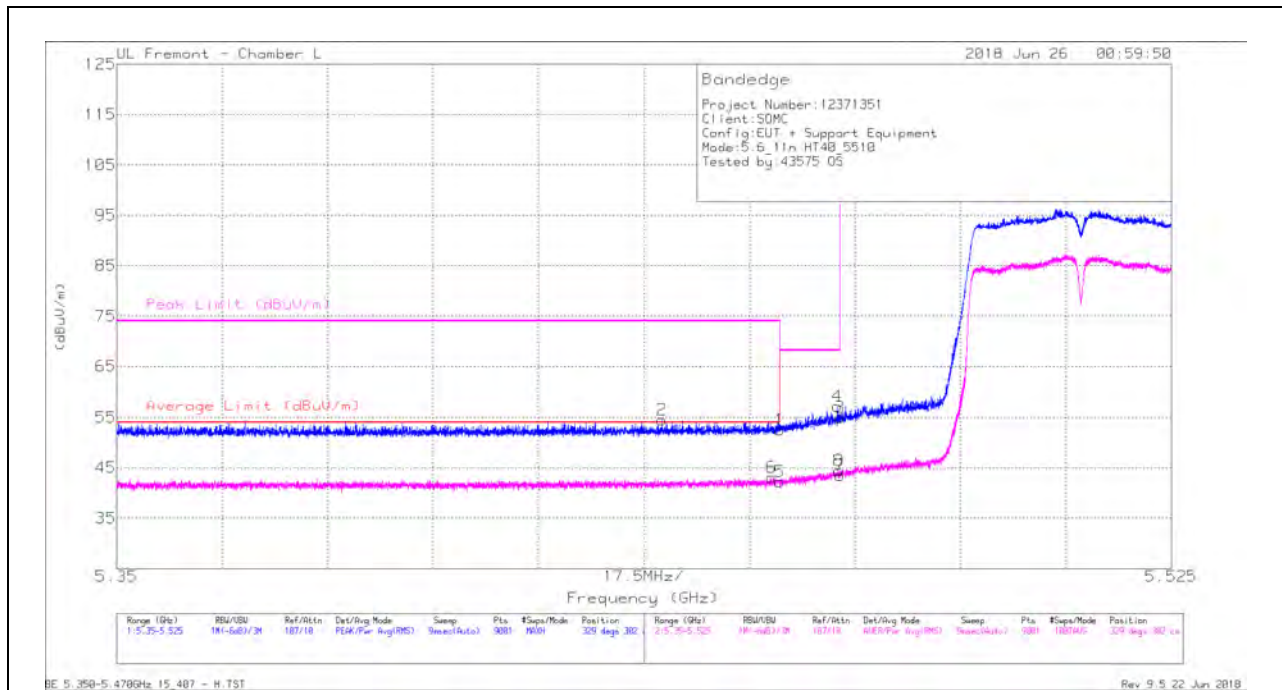
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

**9.1.11. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.6 GHz BAND**

**BANDEDGE (LOW CHANNEL)**

**HORIZONTAL RESULT**



**Trace Markers**

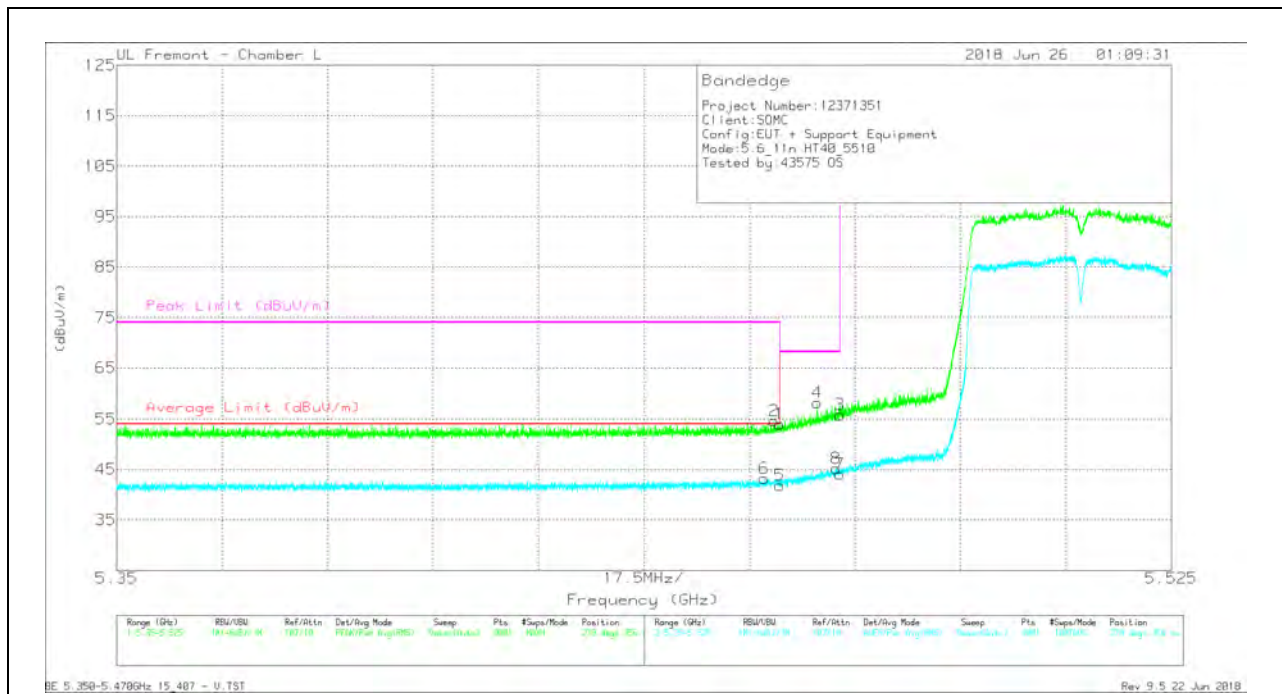
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	36.52	Pk	34.5	-18.5	0	52.52	-	-	74	-21.48	329	302	H
2	* 5.44	38.47	Pk	34.5	-18.5	0	54.47	-	-	74	-19.53	329	302	H
3	5.47	38.98	Pk	34.5	-18.5	0	54.98	-	-	68.2	-13.22	329	302	H
4	5.47	41.25	Pk	34.5	-18.5	0	57.25	-	-	68.2	-10.95	329	302	H
5	* 5.46	25.93	RMS	34.5	-18.5	.27	42.2	54	-11.8	-	-	329	302	H
6	* 5.459	26.85	RMS	34.5	-18.5	.27	43.12	54	-10.88	-	-	329	302	H
7	5.47	27.14	RMS	34.5	-18.5	.27	43.41	-	-	-	-	329	302	H
8	5.47	28.14	RMS	34.5	-18.5	.27	44.41	-	-	-	-	329	302	H

\* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULT



### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dB/m)	Amp/Cbl/Filtr/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	38.03	Pk	34.5	-18.5	0	54.03	-	-	74	-19.97	278	356	V
2	* 5.459	38.6	Pk	34.5	-18.5	0	54.6	-	-	74	-19.4	278	356	V
3	5.47	39.82	Pk	34.5	-18.5	0	55.82	-	-	68.2	-12.38	278	356	V
4	5.466	42.26	Pk	34.5	-18.5	0	58.26	-	-	68.2	-9.94	278	356	V
5	* 5.46	25.63	RMS	34.5	-18.5	.27	41.9	54	-12.1	-	-	278	356	V
6	* 5.457	26.99	RMS	34.5	-18.5	.27	43.26	54	-10.74	-	-	278	356	V
7	5.47	27.78	RMS	34.5	-18.5	.27	44.05	-	-	-	-	278	356	V
8	5.469	28.98	RMS	34.5	-18.5	.27	45.25	-	-	-	-	278	356	V

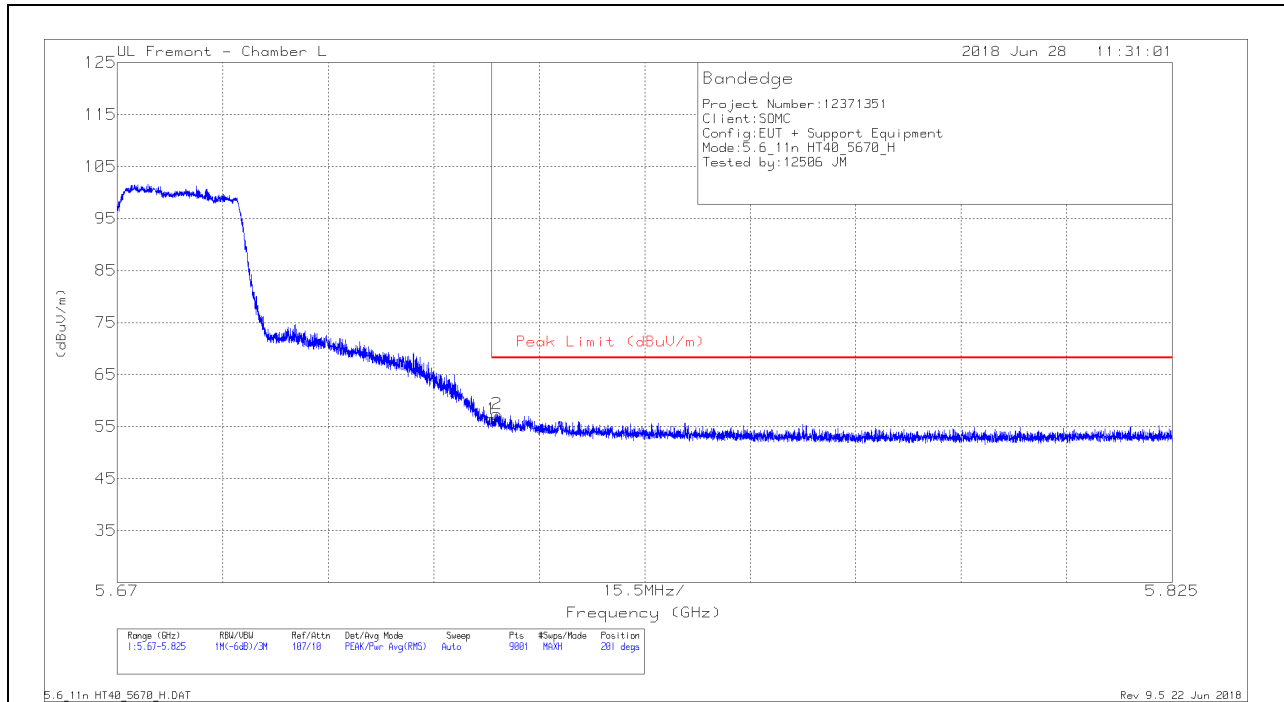
\* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

RMS - RMS detection

**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL RESULT**

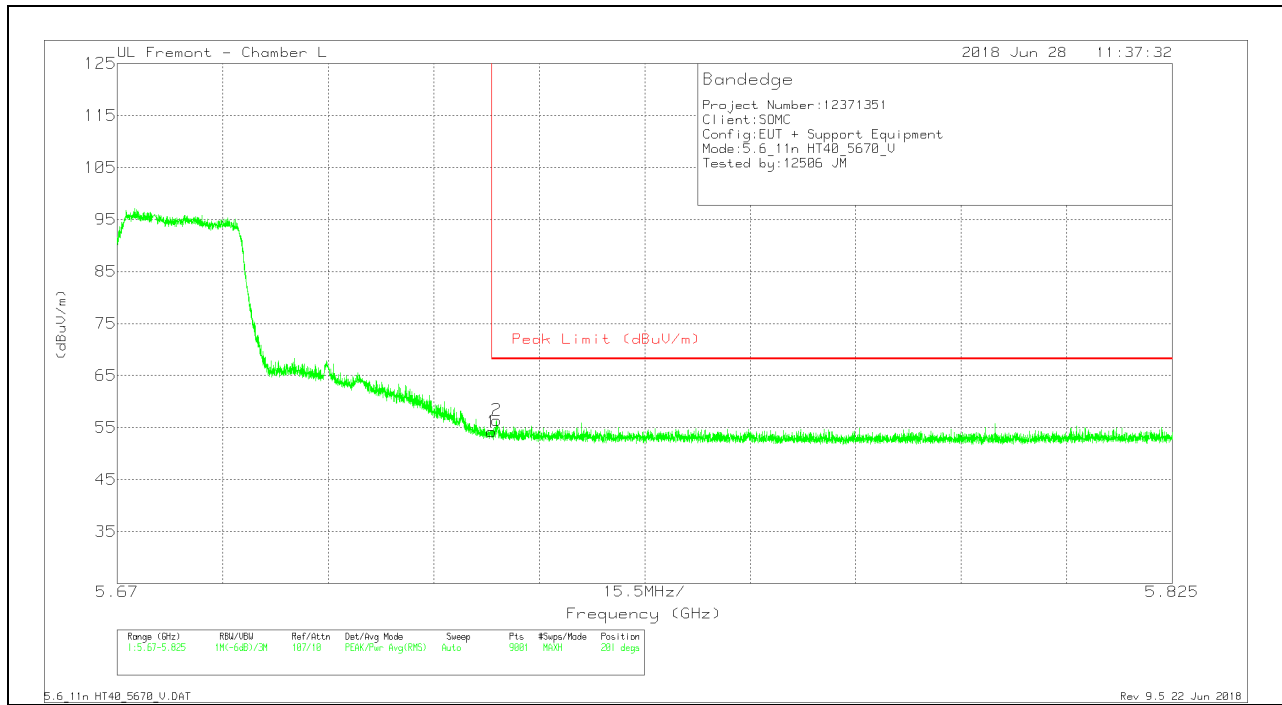


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	39.96	Pk	34.9	-18.4	0	56.46	68.2	-11.74	201	99	H
2	5.726	40.9	Pk	34.9	-18.4	0	57.4	68.2	-10.8	201	99	H

Pk - Peak detector

### VERTICAL RESULT



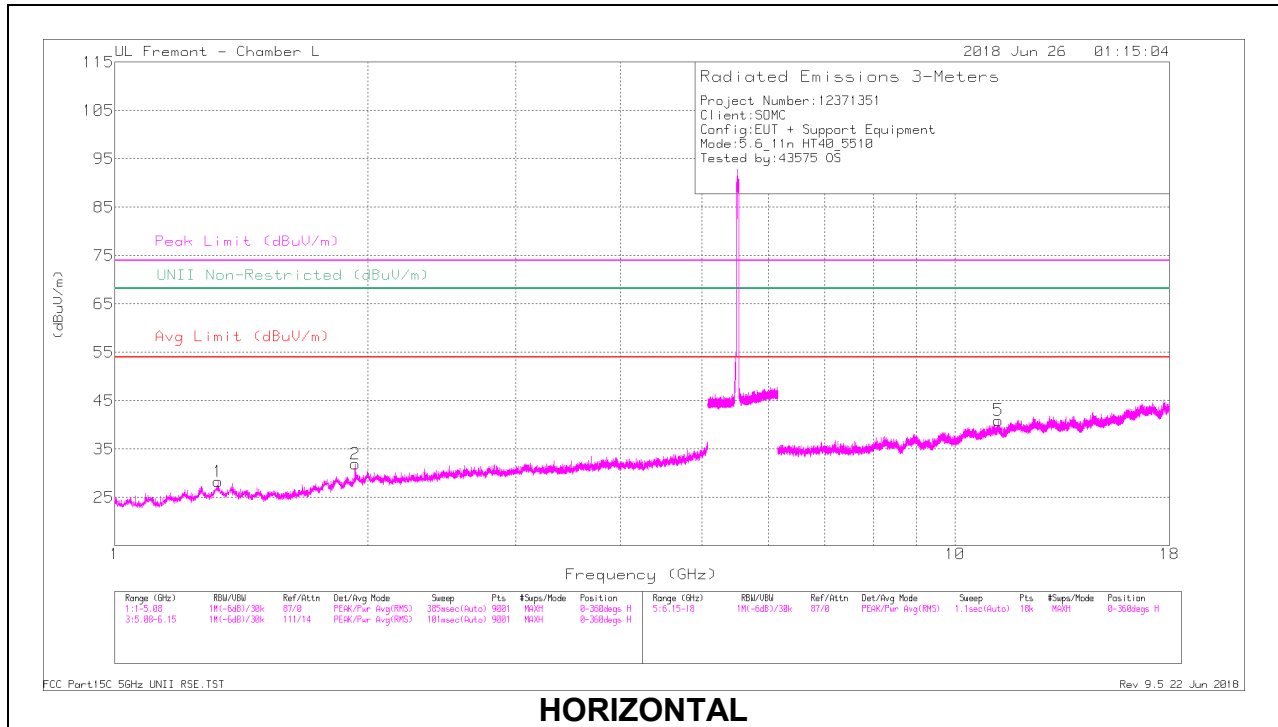
#### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	37.69	Pk	34.9	-18.4	0	54.19	68.2	-14.01	201	99	V
2	5.726	39.91	Pk	34.9	-18.4	0	56.41	68.2	-11.79	201	99	V

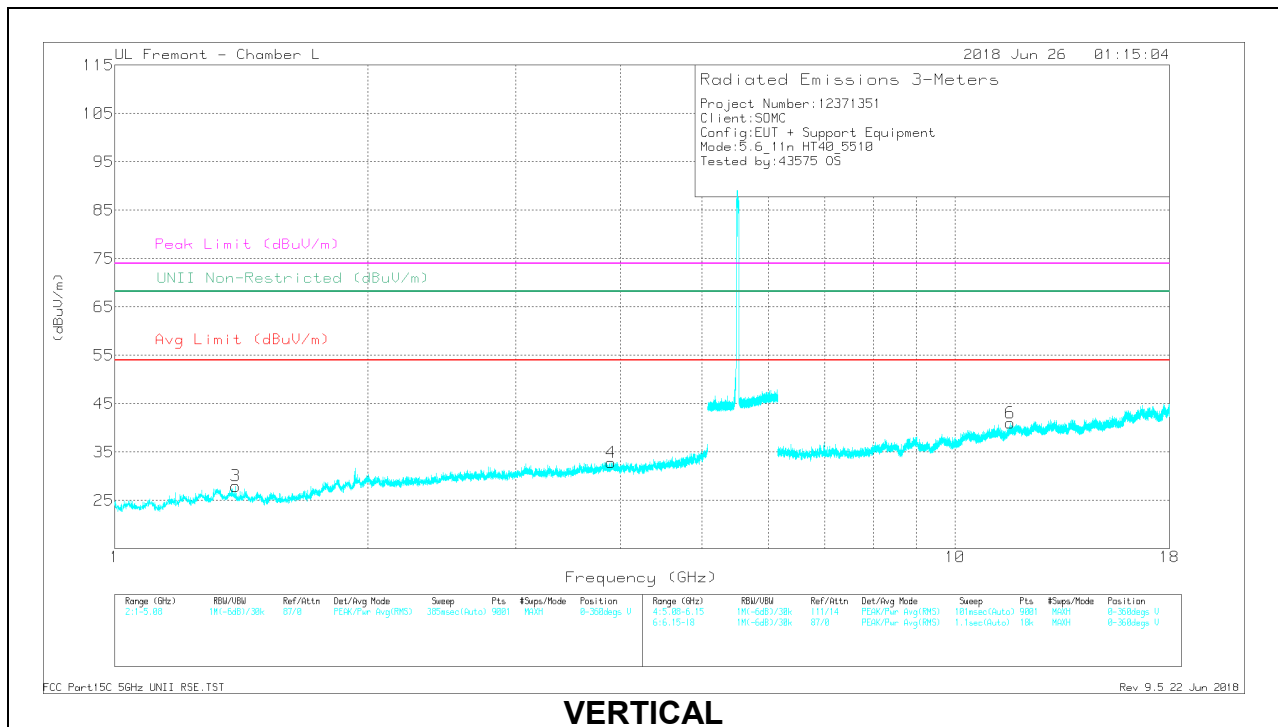
Pk - Peak detector

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Radiated Emissions

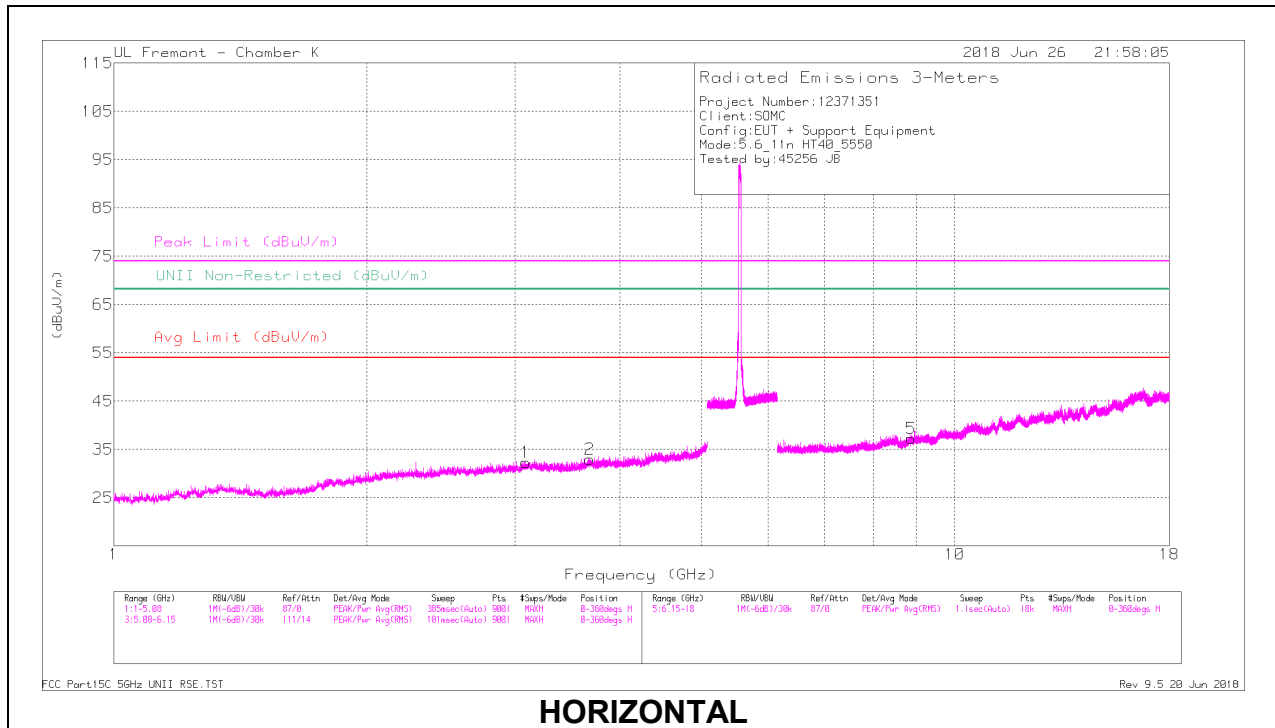
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.325	40.05	PK-U	29.3	-34.4	0	34.95	-	-	74	-39.05	-	-	302	118	H
	* 1.327	30.46	ADR	29.3	-34.4	.27	25.63	54	-28.37	-	-	-	-	302	118	H
2	1.933	39.79	PK-U	31.3	-33.5	0	37.59	-	-	-	-	68.2	-30.61	234	237	H
3	* 1.391	39.52	PK-U	29.1	-34.7	0	33.92	-	-	74	-40.08	-	-	151	385	V
	* 1.393	29.69	ADR	29.1	-34.7	.27	24.36	54	-29.64	-	-	-	-	151	385	V
4	* 3.899	35.9	PK-U	33.7	-29.8	0	39.8	-	-	74	-34.2	-	-	155	156	V
	* 3.899	26.31	ADR	33.7	-29.8	.27	30.48	54	-23.52	-	-	-	-	155	156	V
5	* 11.256	28.93	PK-U	38	-20.5	0	46.43	-	-	74	-27.57	-	-	319	375	H
	* 11.257	20.07	ADR	38	-20.5	.27	37.84	54	-16.16	-	-	-	-	319	375	H
6	* 11.625	30.22	PK-U	38.4	-21	0	47.62	-	-	74	-26.38	-	-	84	125	V
	* 11.625	19.69	ADR	38.4	-21	.27	37.36	54	-16.64	-	-	-	-	84	125	V

\* - indicates frequency in CFR47 Pt 15 Restricted Band

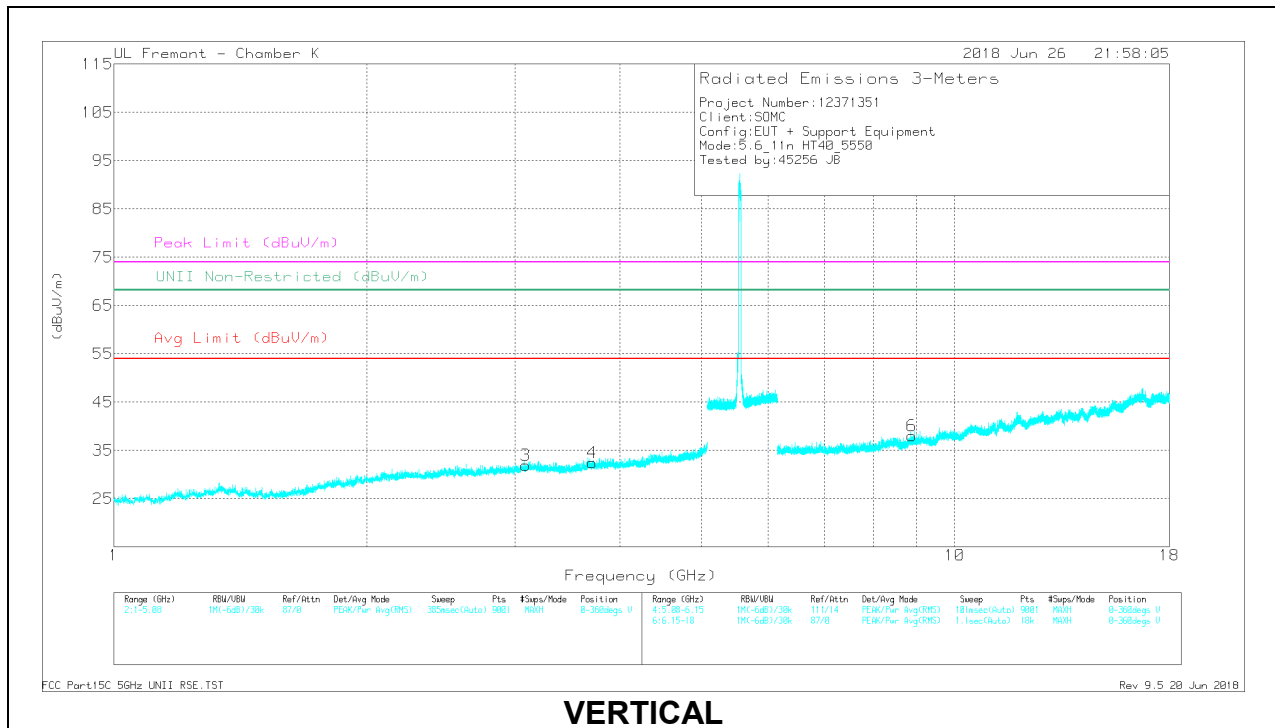
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### MID CHANNEL RESULTS



### HORIZONTAL



### VERTICAL



**RADIATED EMISSIONS**

Radiated Emissions

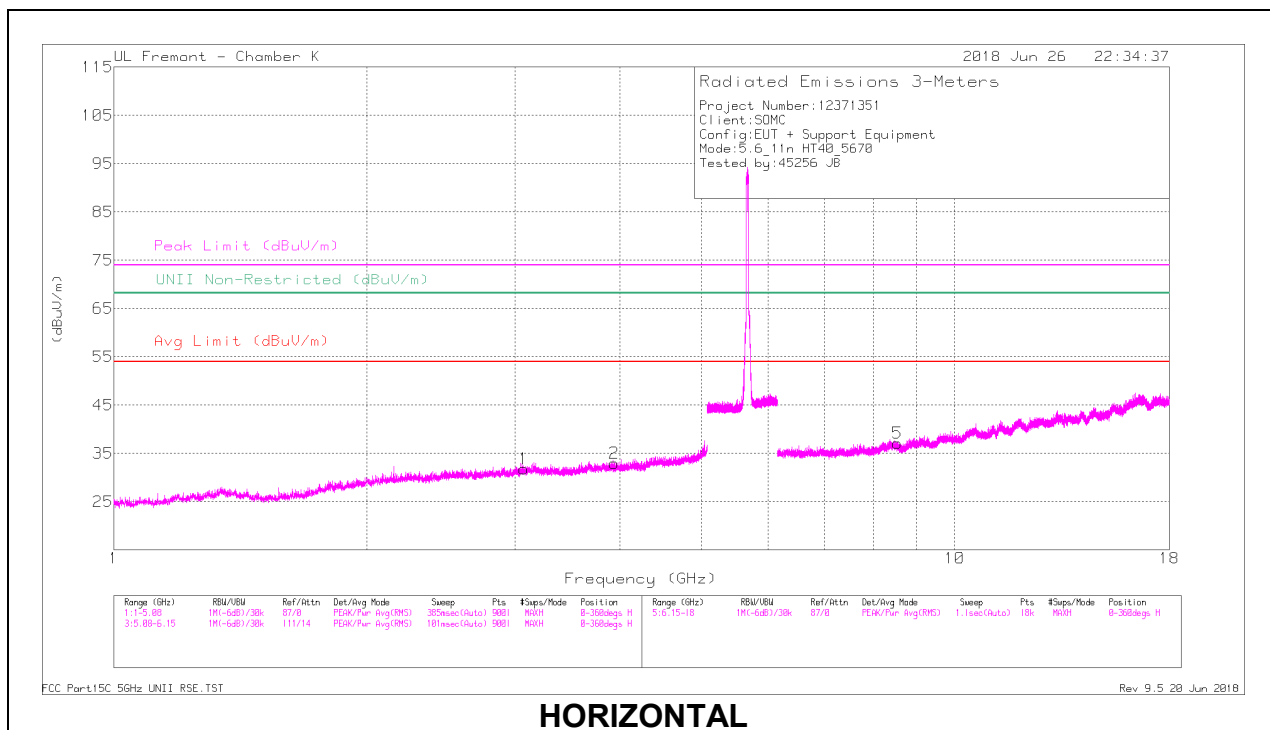
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	3.087	40.96	PK-U	32.9	-34.4	0	39.46	-	-	-	-	68.2	-28.74	93	287	H
2	* 3.681	39.58	PK-U	33.1	-32.6	0	40.08	-	-	74	-33.92	-	-	353	151	H
	* 3.682	29.73	ADR	33.1	-32.6	.27	30.5	54	-23.5	-	-	-	-	353	151	H
3	3.091	40.91	PK-U	32.9	-34.4	0	39.41	-	-	-	-	68.2	-28.79	275	128	V
4	* 3.705	39.45	PK-U	33.2	-32.5	0	40.15	-	-	74	-33.85	-	-	345	333	V
	* 3.708	29.27	ADR	33.2	-32.5	.27	30.24	54	-23.76	-	-	-	-	345	333	V
5	8.881	32.92	PK-U	36.1	-24.4	0	44.62	-	-	-	-	68.2	-23.58	288	243	H
6	8.892	32.6	PK-U	36.1	-24.3	0	44.4	-	-	-	-	68.2	-23.8	335	216	V

\* - indicates frequency in CFR47 Pt 15 Restricted Band

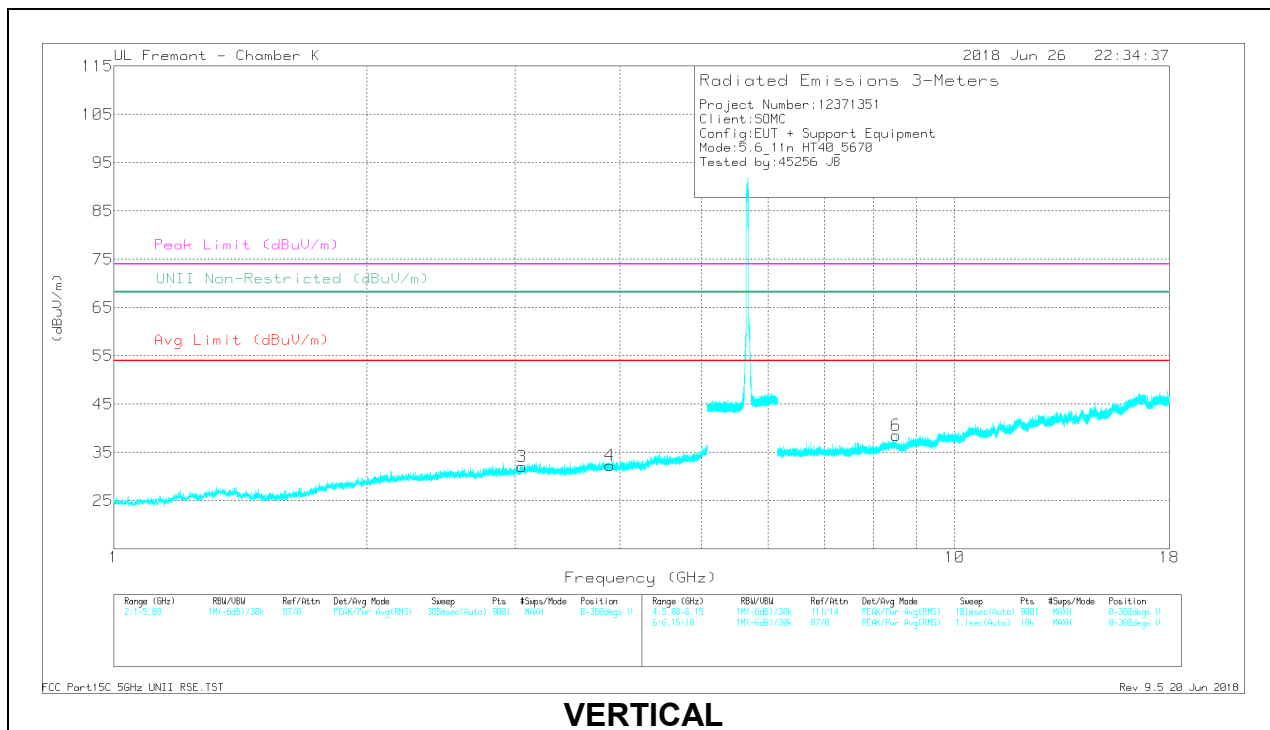
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### HIGH CHANNEL RESULTS



### HORIZONTAL



### VERTICAL

**RADIATED EMISSIONS**

Radiated Emissions

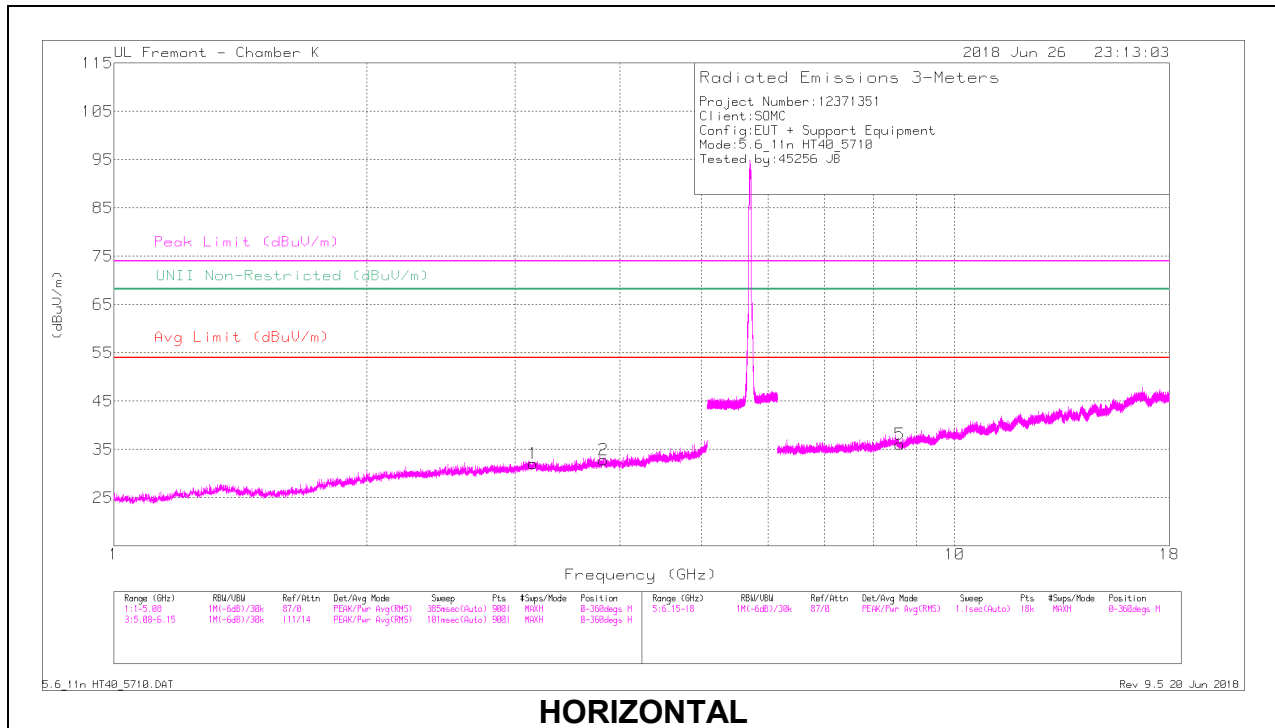
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	3.071	40.65	PK-U	32.9	-34.5	0	39.05	-	-	-	-	68.2	-29.15	304	284	H
2	* 3.933	38.08	PK-U	33.4	-32	0	39.48	-	-	74	-34.52	-	-	151	364	H
	* 3.933	28.72	ADR	33.4	-32	.27	30.39	54	-23.61	-	-	-	-	151	364	H
3	3.059	40.15	PK-U	32.9	-34.5	0	38.55	-	-	-	-	68.2	-29.65	65	133	V
4	* 3.891	38.01	PK-U	33.4	-32.1	0	39.31	-	-	74	-34.69	-	-	179	356	V
	* 3.889	28.88	ADR	33.4	-32.1	.27	30.45	54	-23.55	-	-	-	-	179	356	V
5	8.546	33.02	PK-U	35.7	-24.8	0	43.92	-	-	-	-	68.2	-24.28	120	329	H
6	8.514	33.82	PK-U	35.7	-24.7	0	44.82	-	-	-	-	68.2	-23.38	177	171	V

\* - indicates frequency in CFR47 Pt 15 Restricted Band

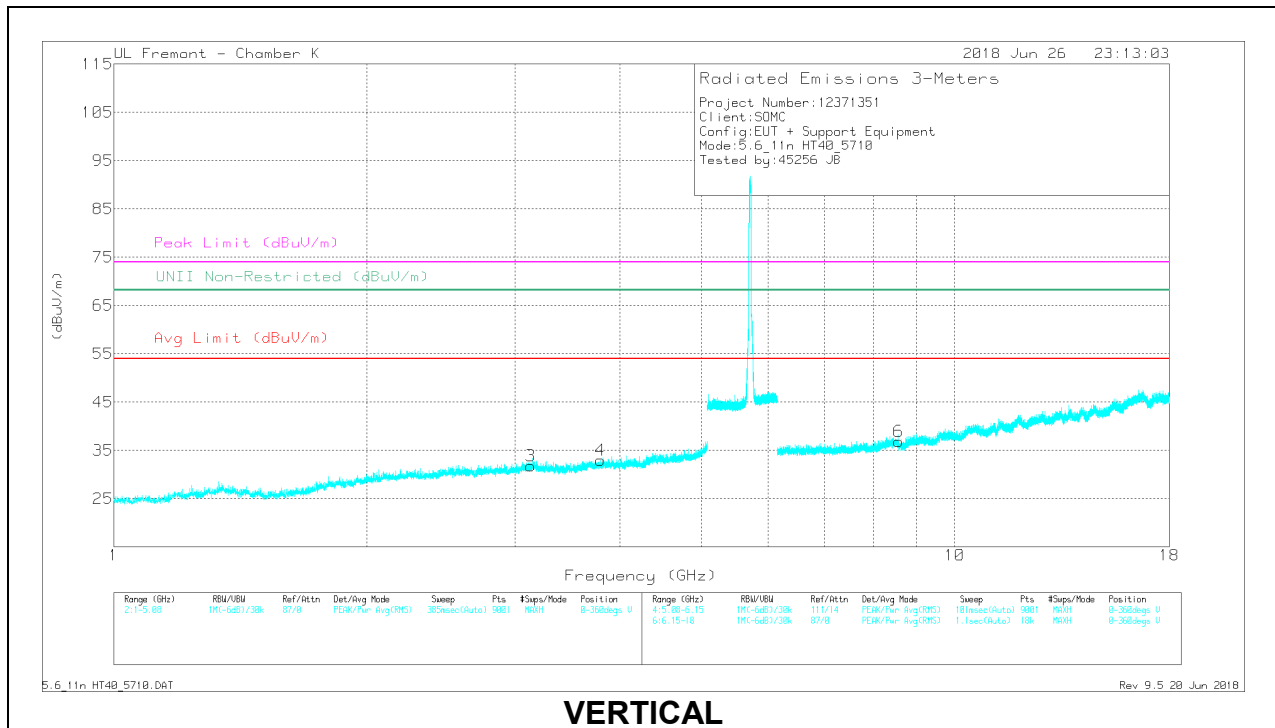
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### CHANNEL 142 RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	3.153	40.32	PK-U	32.9	-34	0	39.22	-	-	-	-	68.2	-28.98	32	236	H
2	* 3.823	38.95	PK-U	33.4	-32.3	0	40.05	-	-	74	-33.95	-	-	78	327	H
	* 3.824	29.81	ADR	33.4	-32.2	.27	31.28	54	-22.72	-	-	-	-	78	327	H
3	3.134	40.38	PK-U	32.9	-34.2	0	39.08	-	-	-	-	68.2	-29.12	155	359	V
4	* 3.791	38.92	PK-U	33.4	-32.3	0	40.02	-	-	74	-33.98	-	-	293	343	V
	* 3.789	29.02	ADR	33.4	-32.3	.27	30.39	54	-23.61	-	-	-	-	293	343	V
5	8.602	33.75	PK-U	35.8	-25.1	0	44.45	-	-	-	-	68.2	-23.75	61	354	H
6	8.578	32.69	PK-U	35.8	-24.9	0	43.59	-	-	-	-	68.2	-24.61	220	309	V

\* - indicates frequency in CFR47 Pt 15 Restricted Band

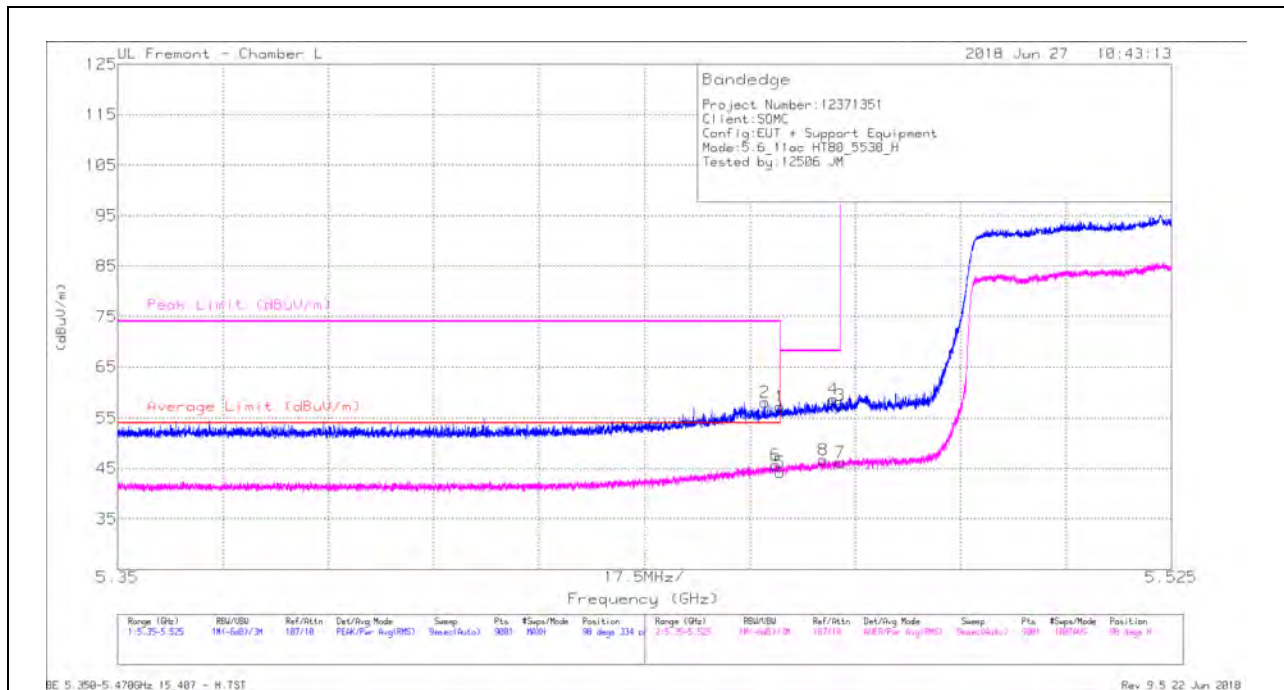
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

**9.1.12. TX ABOVE 1 GHz 802.11ac VHT80 MODE IN THE 5.6 GHz BAND**

**BANDEDGE (LOW CHANNEL)**

**HORIZONTAL RESULT**



**Trace Markers**

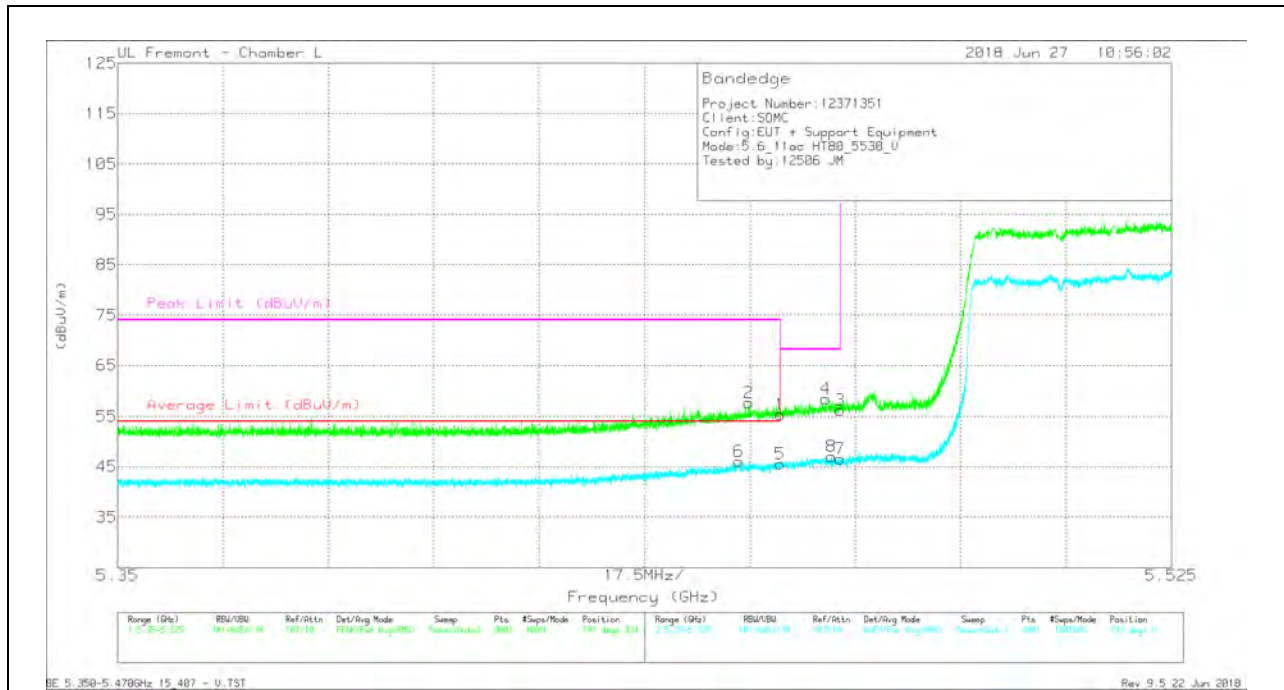
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	41.26	Pk	34.5	-18.5	0	57.26	-	-	74	-16.74	98	334	H
2	* 5.457	42.12	Pk	34.5	-18.5	0	58.12	-	-	74	-15.88	98	334	H
3	5.47	41.54	Pk	34.5	-18.5	0	57.54	-	-	68.2	-10.66	98	334	H
4	5.469	42.73	Pk	34.5	-18.5	0	58.73	-	-	68.2	-9.47	98	334	H
5	* 5.46	28.18	RMS	34.5	-18.5	.53	44.71	54	-9.29	-	-	98	334	H
6	* 5.459	29.71	RMS	34.5	-18.5	.53	46.24	54	-7.76	-	-	98	334	H
7	5.47	30.14	RMS	34.5	-18.5	.53	46.67	-	-	-	-	98	334	H
8	5.467	30.69	RMS	34.5	-18.5	.53	47.22	-	-	-	-	98	334	H

\* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULT



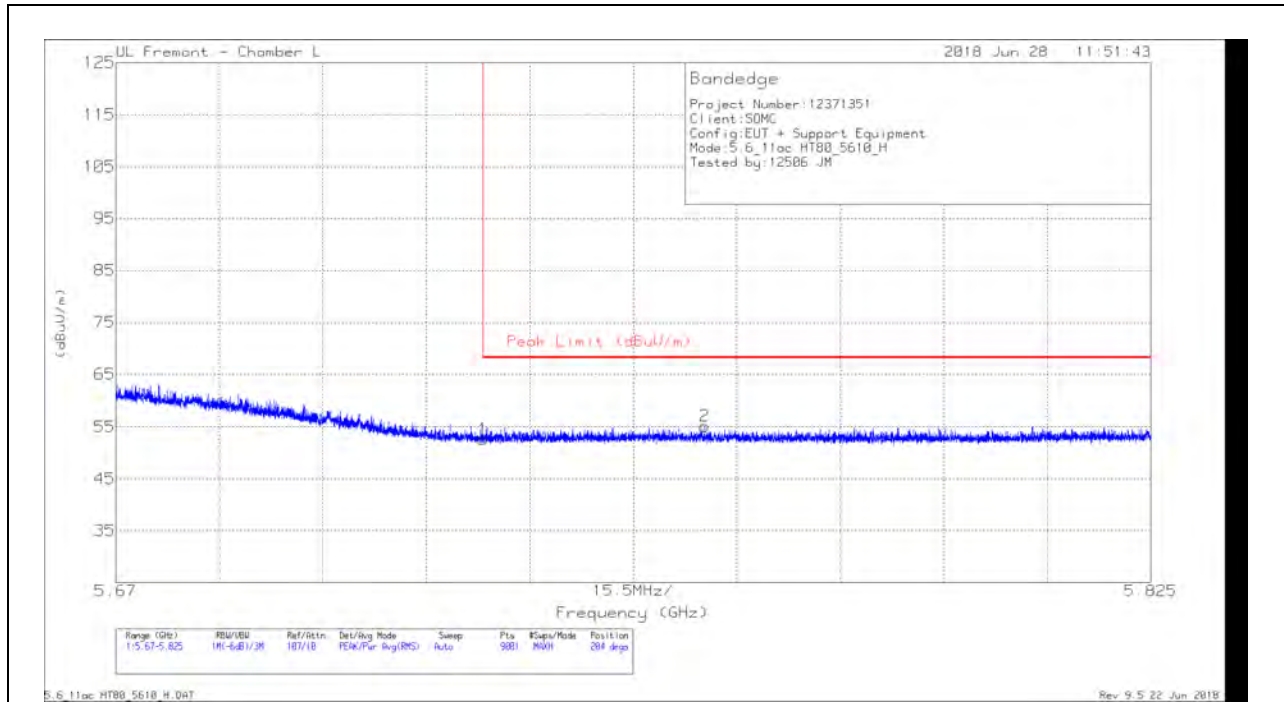
### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dB/m)	Amp/Cb/Filtr/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	39.38	Pk	34.5	-18.5	0	55.38	-	-	74	-18.62	191	334	V
2	* 5.455	41.76	Pk	34.5	-18.5	0	57.76	-	-	74	-16.24	191	334	V
3	5.47	40.22	Pk	34.5	-18.5	0	56.22	-	-	68.2	-11.98	191	334	V
4	5.468	42.46	Pk	34.5	-18.5	0	58.46	-	-	68.2	-9.74	191	334	V
5	* 5.46	29.07	RMS	34.5	-18.5	.53	45.6	54	-8.4	-	-	191	334	V
6	* 5.453	29.51	RMS	34.5	-18.5	.53	46.04	54	-7.96	-	-	191	334	V
7	5.47	30.03	RMS	34.5	-18.5	.53	46.56	-	-	-	-	191	334	V
8	5.468	30.58	RMS	34.5	-18.5	.53	47.11	-	-	-	-	191	334	V

\* - indicates frequency in CFR47 Pt 15 Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL RESULT**



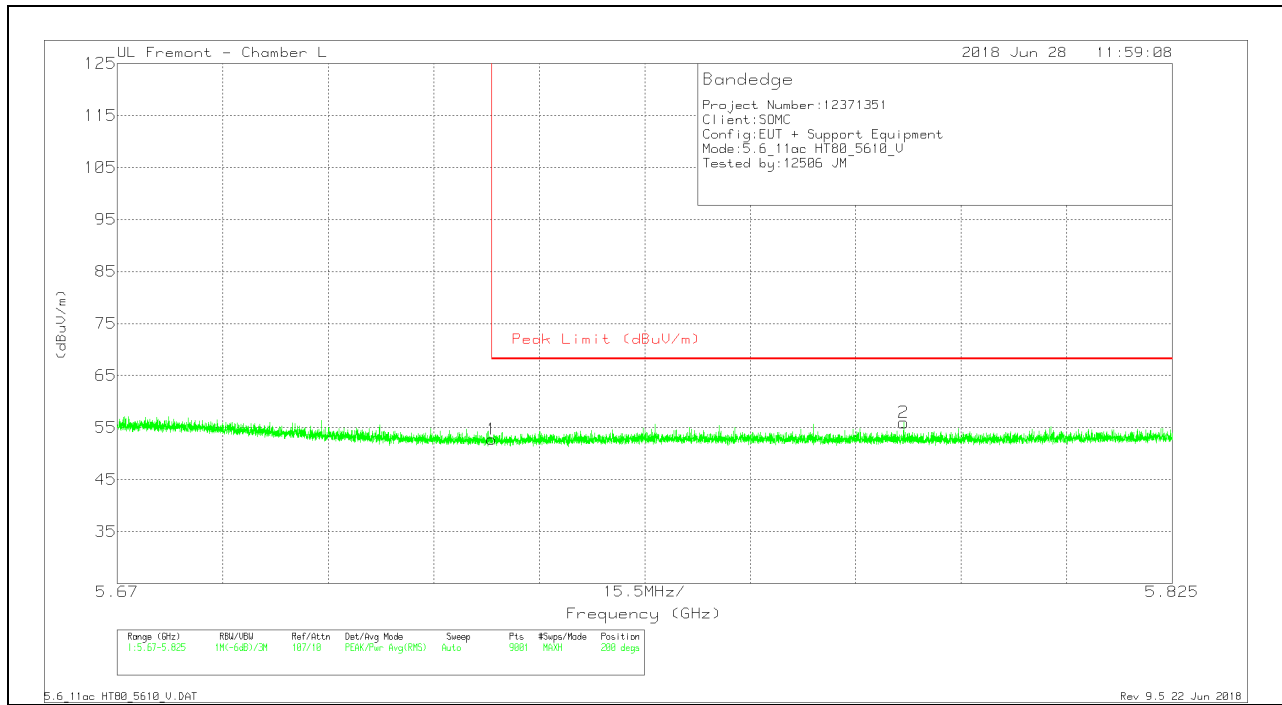
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	36.12	Pk	34.9	-18.4	0	52.62	68.2	-15.58	204	127	H
2	5.758	38.52	Pk	35	-18.4	0	55.12	68.2	-13.08	204	127	H

Pk - Peak detector



### VERTICAL RESULT



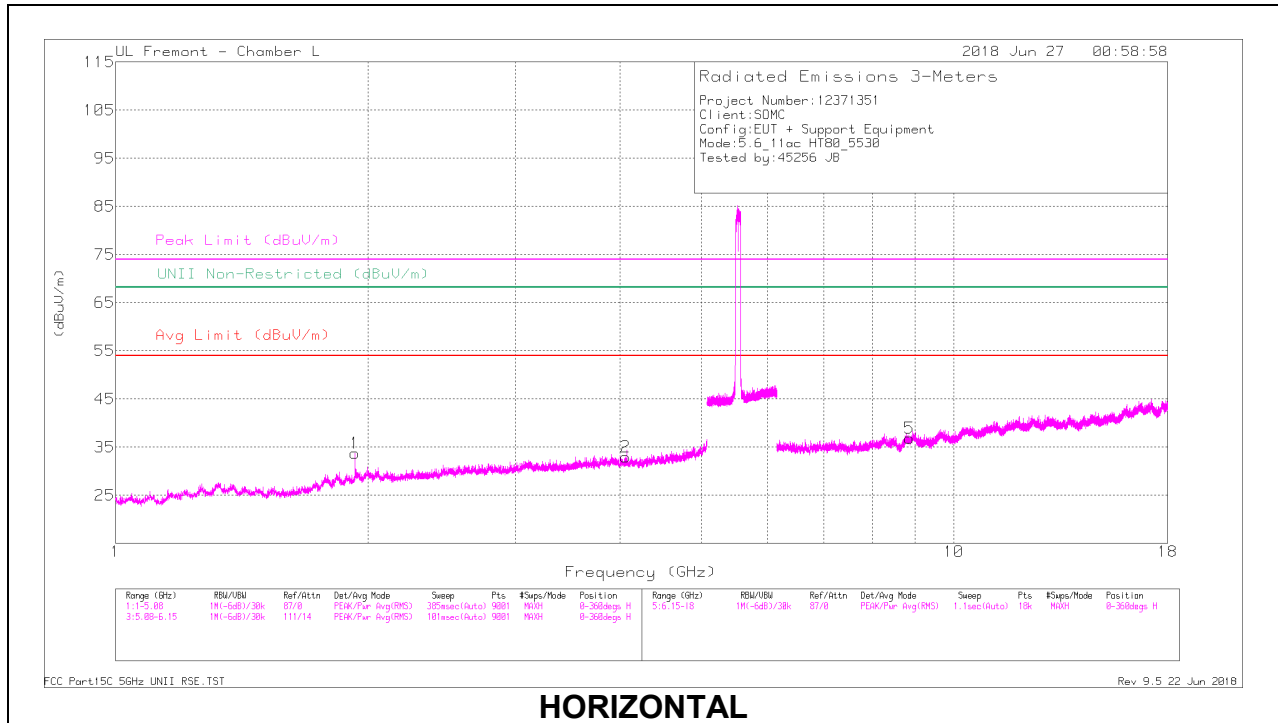
### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	36.23	Pk	34.9	-18.4	0	52.73	68.2	-15.47	200	107	V
2	5.786	39.36	Pk	35	-18.4	0	55.96	68.2	-12.24	200	107	V

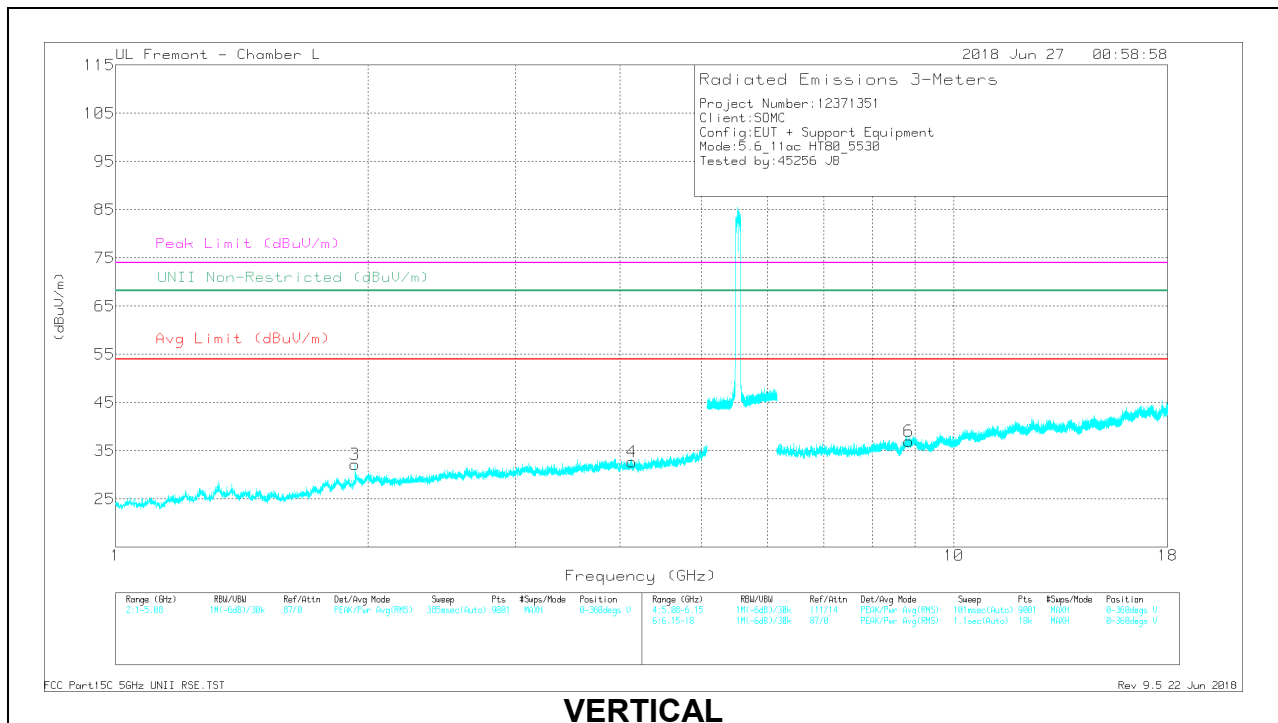
Pk - Peak detector

**HARMONICS AND SPURIOUS EMISSIONS**

**LOW CHANNEL RESULTS**



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Radiated Emissions

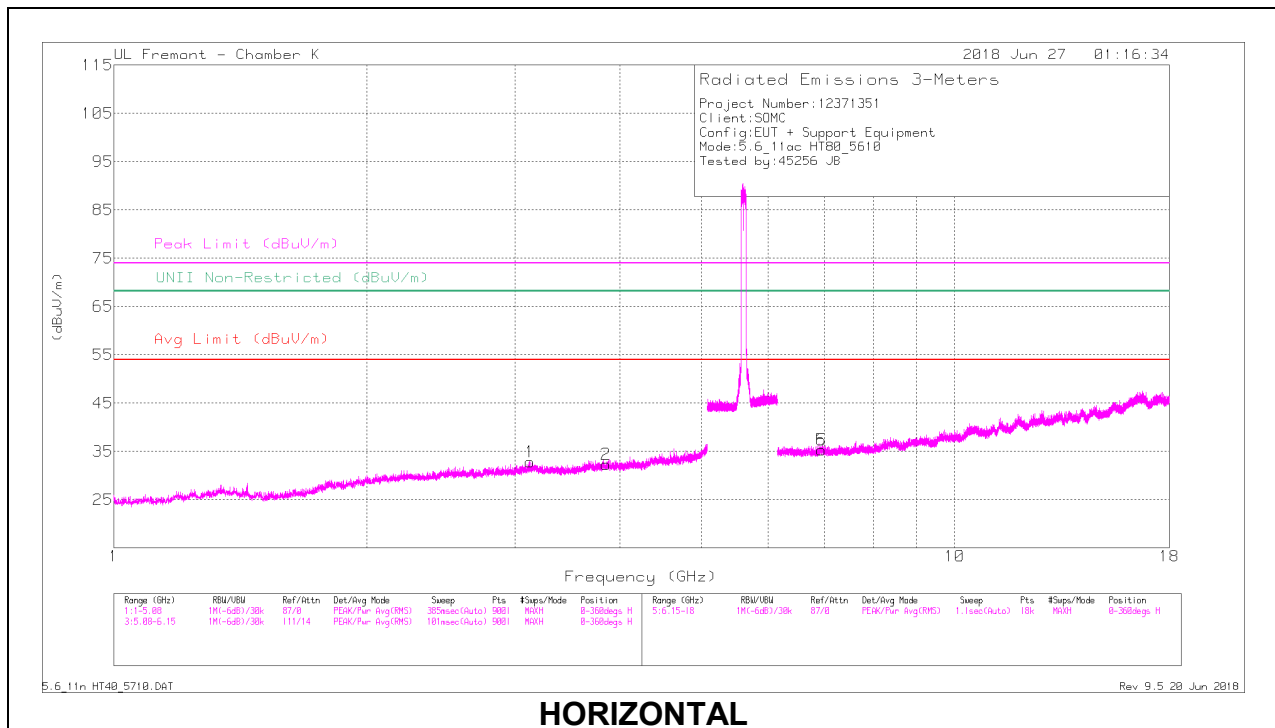
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.931	42.14	PK-U	31.3	-33.5	0	39.94	-	-	-	-	68.2	-28.26	319	152	H
2	* 4.058	35.76	PK-U	33.5	-29.9	0	39.36	-	-	74	-34.64	-	-	45	252	H
	* 4.059	26.69	ADR	33.5	-29.9	.53	30.82	54	-23.18	-	-	-	-	45	252	H
3	1.931	43.19	PK-U	31.3	-33.5	0	40.99	-	-	-	-	68.2	-27.21	160	275	V
4	* 4.133	36.58	PK-U	33.5	-29.6	0	40.48	-	-	74	-33.52	-	-	213	144	V
	* 4.135	26.05	ADR	33.5	-29.5	.53	30.58	54	-23.42	-	-	-	-	213	144	V
5	8.853	30.81	PK-U	36.2	-23.4	0	43.61	-	-	-	-	68.2	-24.59	154	265	H
6	8.841	31.26	PK-U	36.2	-23.1	0	44.36	-	-	-	-	68.2	-23.84	321	309	V

\* - indicates frequency in CFR47 Pt 15 Restricted Band

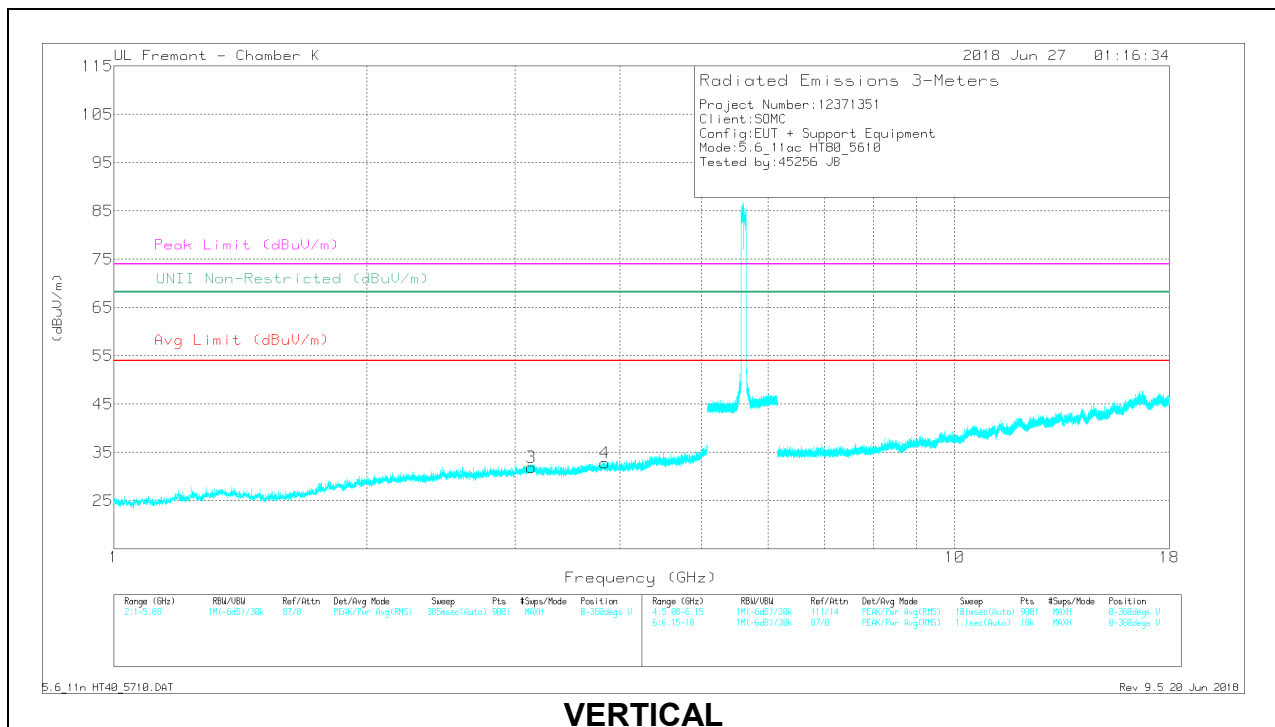
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### HIGH CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Radiated Emissions

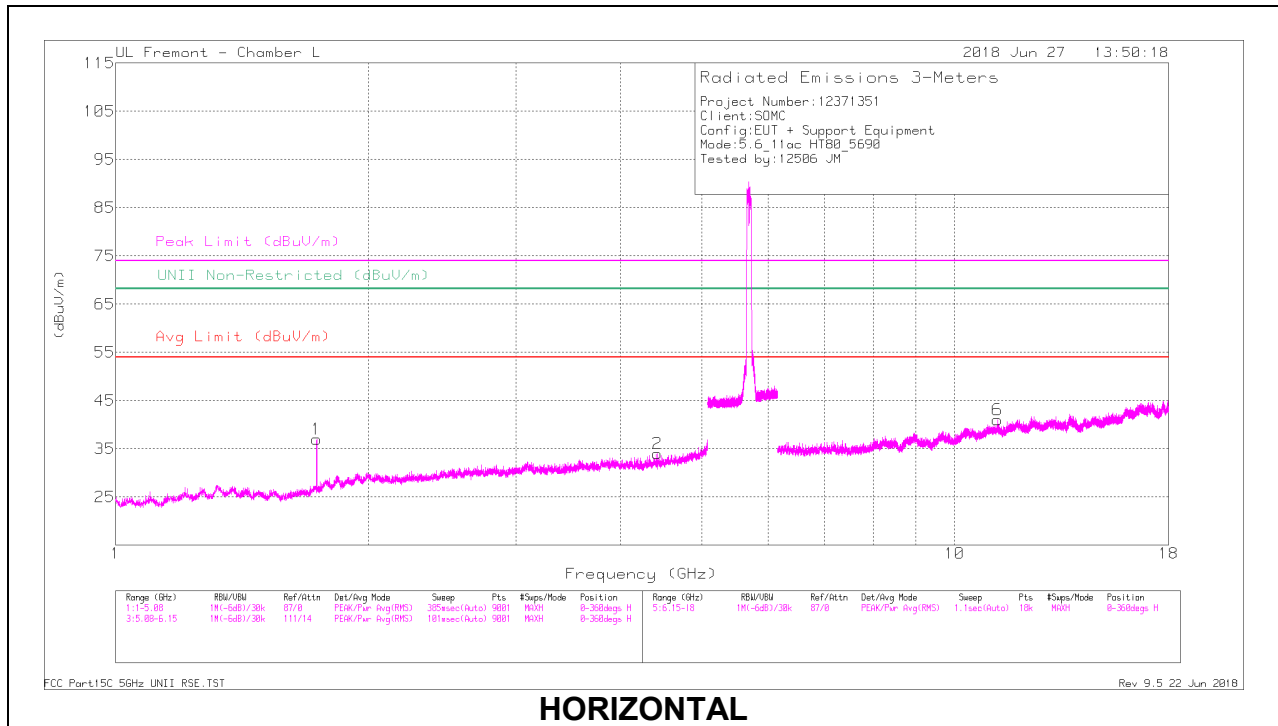
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	3.125	40.16	PK-U	32.9	-34.2	0	38.86	-	-	-	-	68.2	-29.34	5	282	H
2	* 3.85	38.03	PK-U	33.4	-32.1	0	39.33	-	-	74	-34.67	-	-	43	206	H
	* 3.848	29.1	ADR	33.4	-32.1	.53	30.93	54	-23.07	-	-	-	-	43	206	H
3	3.135	40.33	PK-U	32.9	-34.2	0	39.03	-	-	-	-	68.2	-29.17	351	197	V
4	* 3.836	38.62	PK-U	33.4	-32.3	0	39.72	-	-	74	-34.28	-	-	110	112	V
	* 3.834	29.09	ADR	33.4	-32.3	.53	30.72	54	-23.28	-	-	-	-	110	112	V
5	6.939	34.21	PK-U	35.5	-27	0	42.71	-	-	-	-	68.2	-25.49	84	283	H
6	6.941	34.75	PK-U	35.5	-27	0	43.25	-	-	-	-	68.2	-24.95	276	232	H

\* - indicates frequency in CFR47 Pt 15 Restricted Band

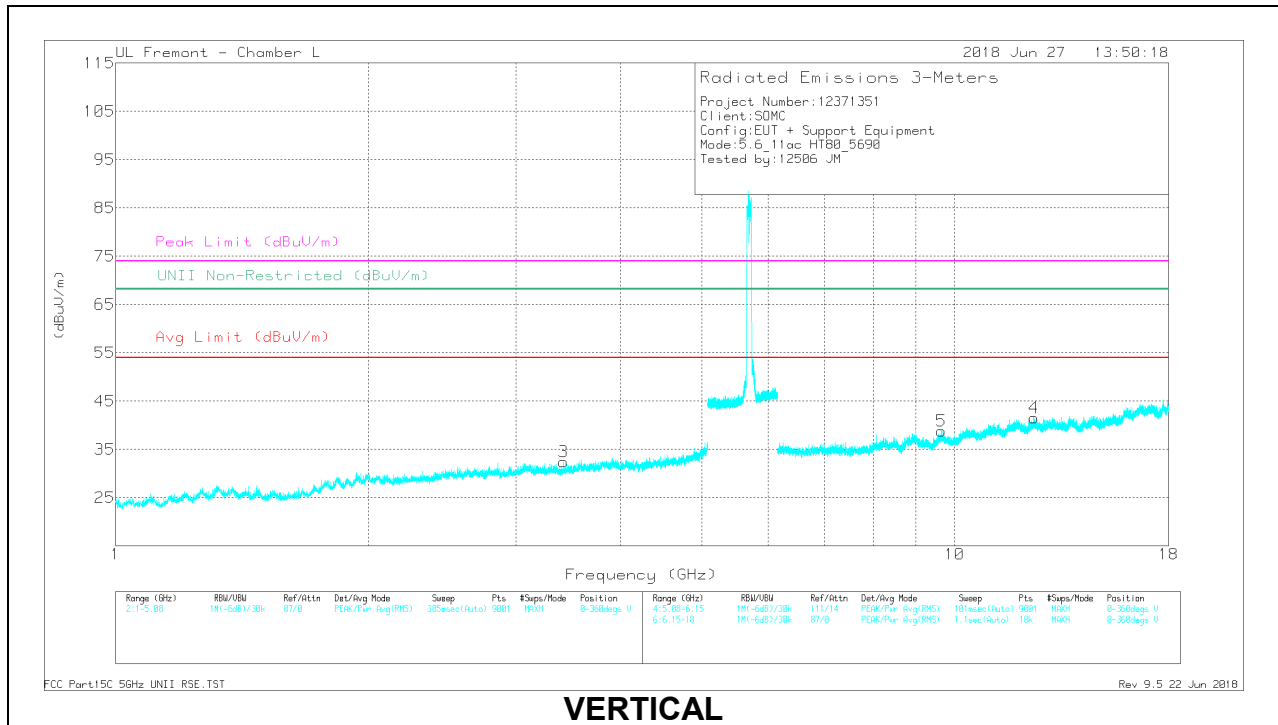
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### CHANNEL 138 RESULTS



### HORIZONTAL



### VERTICAL

**RADIATED EMISSIONS**

Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.738	38.37	PK-U	29.5	-33.7	0	34.17	-	-	-	-	68.2	-34.03	192	256	H
2	4.424	35.15	PK-U	33.6	-28.8	0	39.95	-	-	-	-	68.2	-28.25	254	122	H
3	3.417	36.57	PK-U	32.8	-30.9	0	38.47	-	-	-	-	68.2	-29.73	109	165	V
6	* 11.251	29.15	PK-U	38	-20.4	0	46.75	-	-	74	-27.25	-	-	228	274	H
	* 11.253	20.29	ADR	38	-20.5	.53	38.32	54	-15.68	-	-	-	-	228	274	H
4	* 12.444	30.08	PK-U	38.9	-20.8	0	48.18	-	-	74	-25.82	-	-	63	143	V
	* 12.443	20.53	ADR	38.9	-20.8	.53	39.16	54	-14.84	-	-	-	-	63	143	V
5	9.653	30.55	PK-U	37	-22	0	45.55	-	-	-	-	68.2	-22.65	153	208	V

\* - indicates frequency in CFR47 Pt 15 Restricted Band

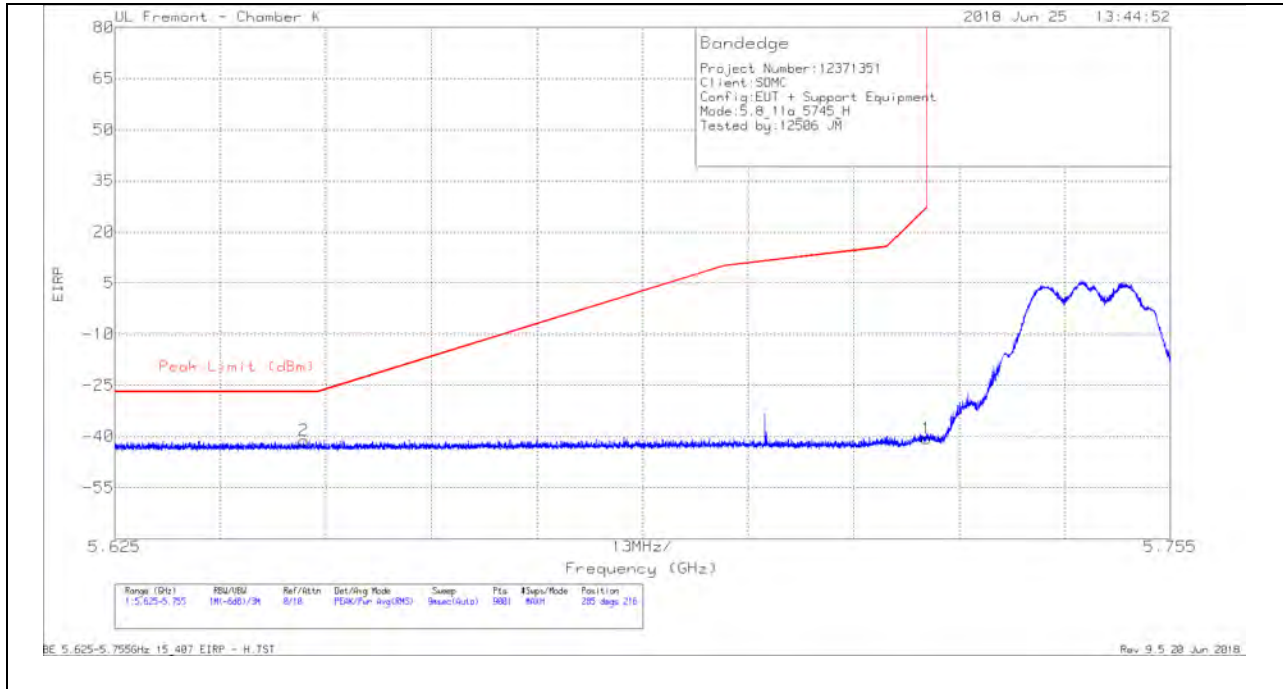
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

**9.1.13. TX ABOVE 1 GHz 802.11a MODE IN THE 5.8 GHz BAND**

**BANDEDGE (LOW CHANNEL)**

**HORIZONTAL RESULT**



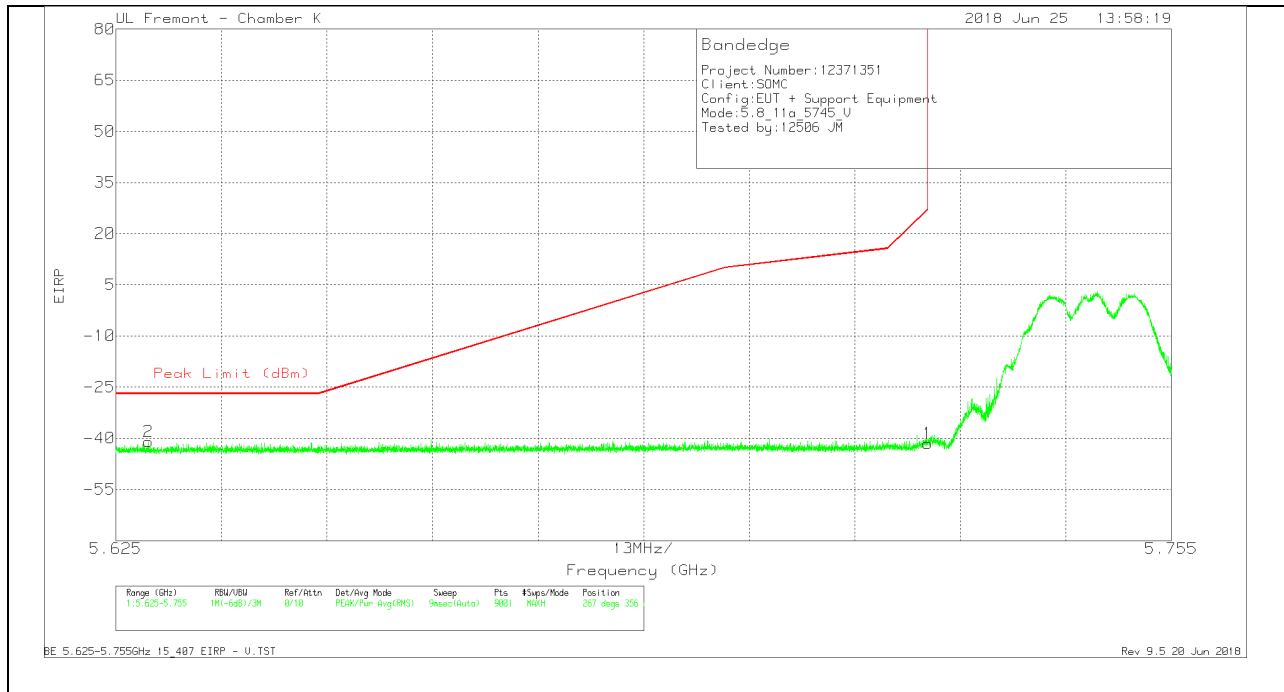
**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB)	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	-67.49	Pk	34.9	-19.9	11.8	-40.69	26.99	-67.68	285	216	H
2	5.648	-67.23	Pk	34.6	-20.3	11.8	-41.13	-27	-14.13	285	216	H

Pk - Peak detector



### VERTICAL RESULT



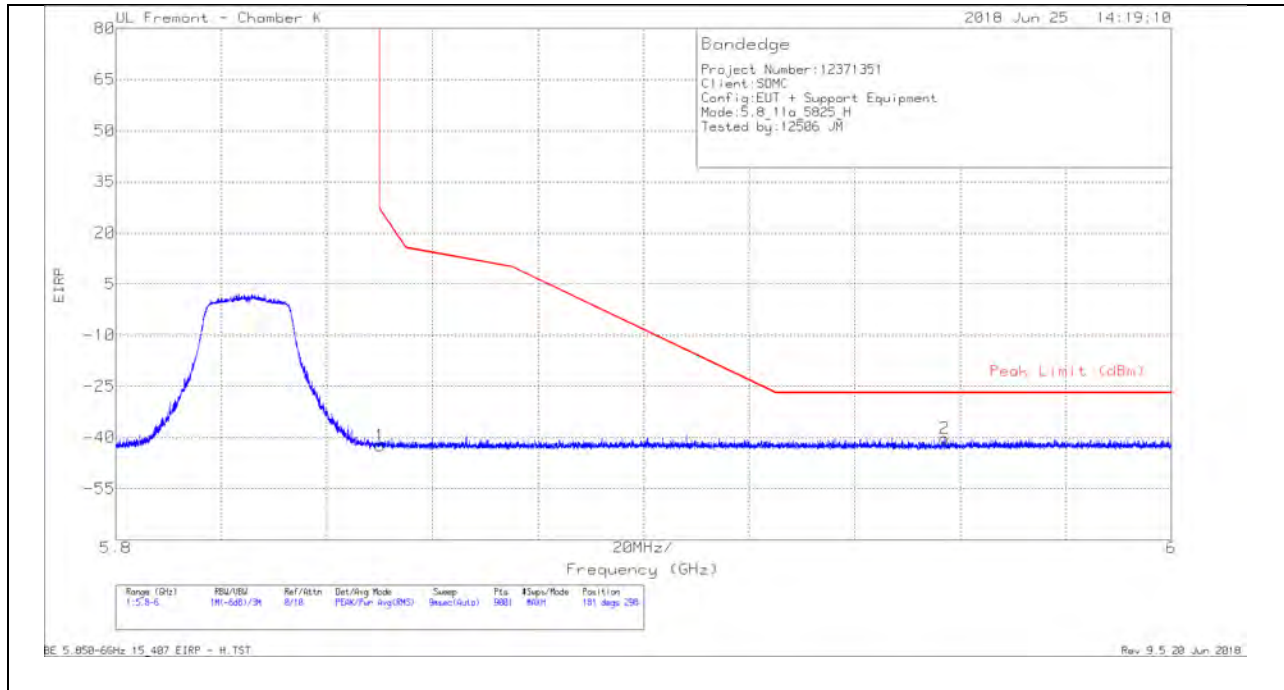
### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB)	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	-68.39	Pk	34.9	-19.9	11.8	-41.59	26.99	-68.58	267	356	V
2	5.629	-67.04	Pk	34.6	-20.4	11.8	-41.04	-27	-14.04	267	356	V

Pk - Peak detector

**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL RESULT**

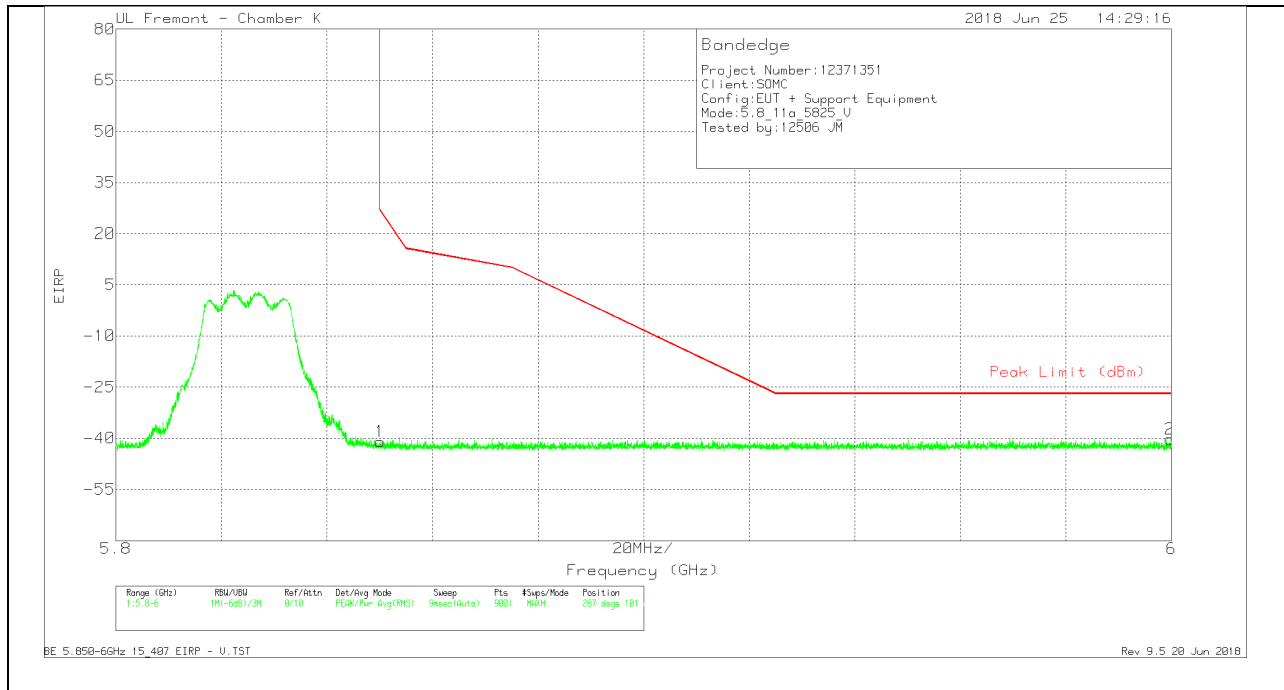


**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AFT344 (dB)	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	-69.46	Pk	35	-19.7	11.8	-42.36	26.95	-69.31	181	298	H
2	5.957	-67.49	Pk	35.1	-19.6	11.8	-40.19	-27	-13.19	181	298	H

Pk - Peak detector

### VERTICAL RESULT



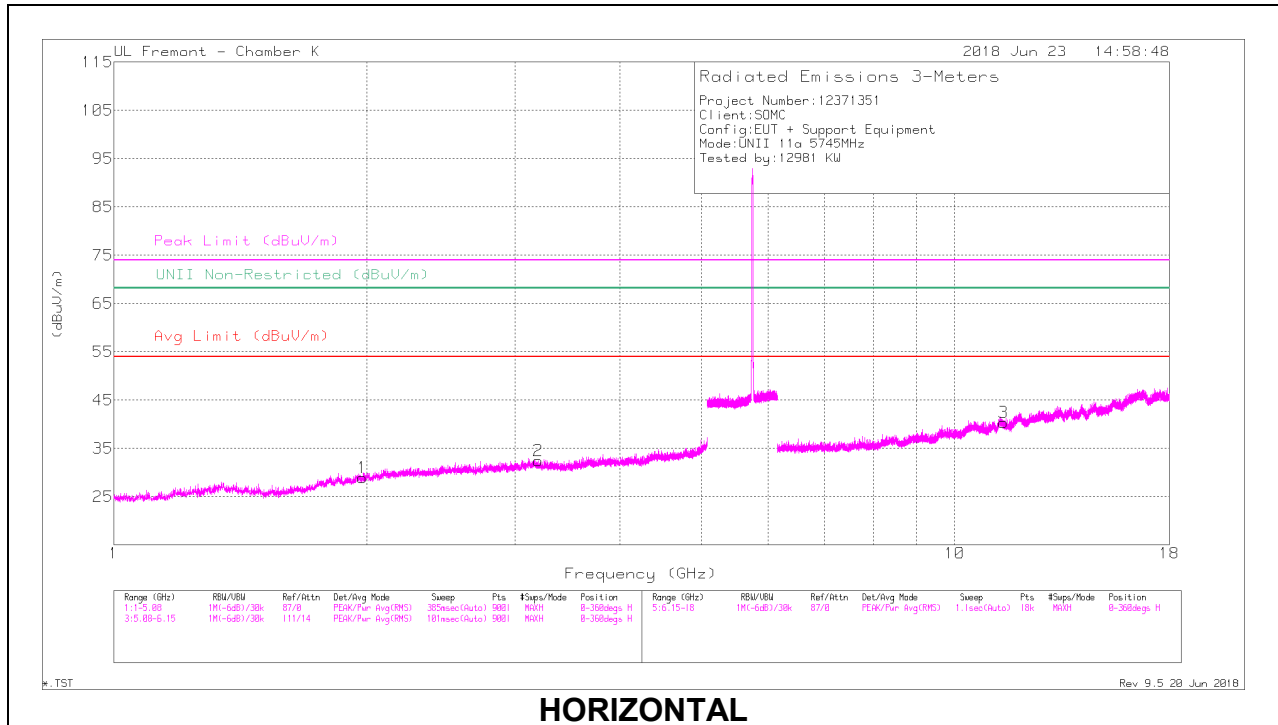
### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB)	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	-68.01	Pk	35	-19.7	11.8	-40.91	26.95	-67.86	267	101	V
2	6	-67.8	Pk	35.2	-19.4	11.8	-40.2	-27	-13.2	267	101	V

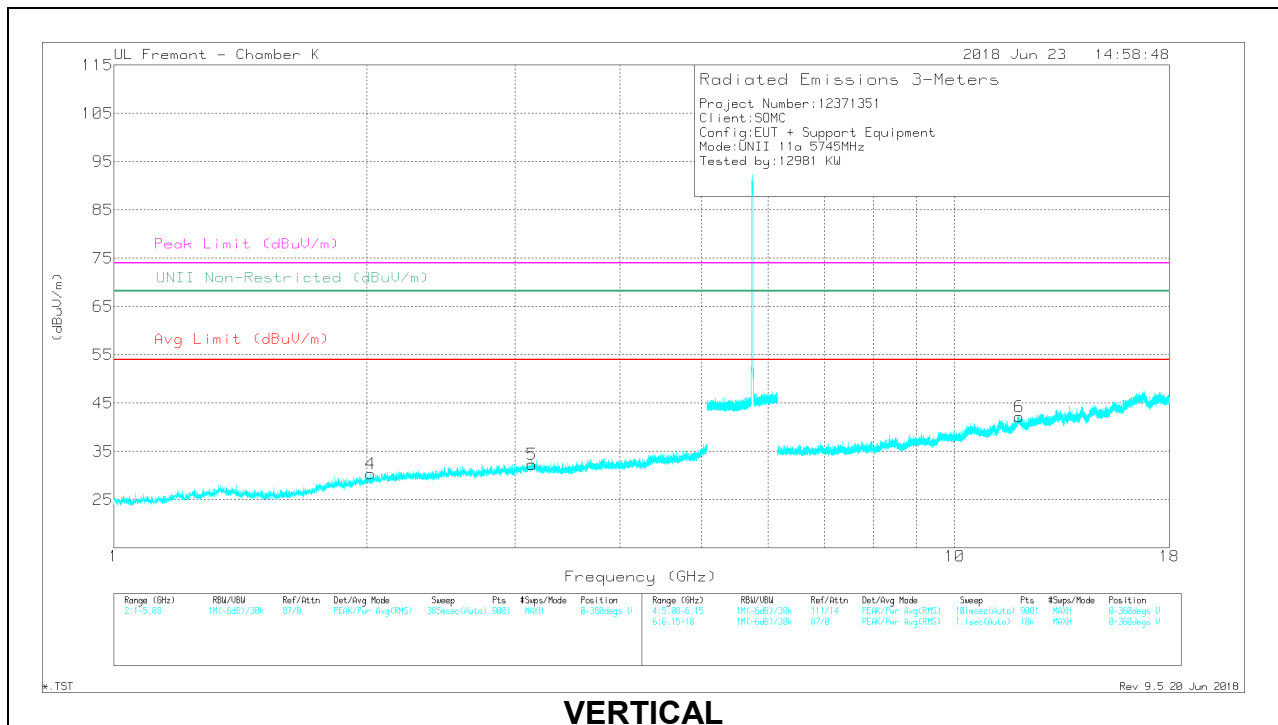
Pk - Peak detector

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Radiated Emissions

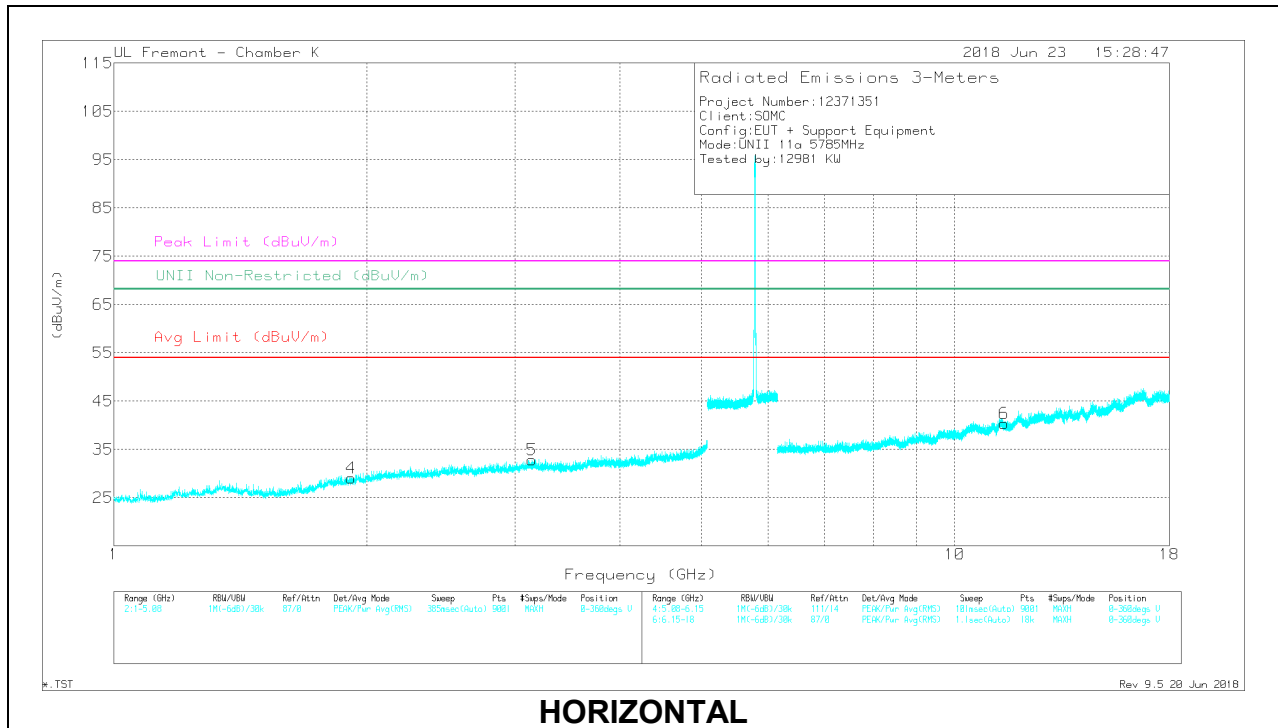
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB)	Amp/Cb/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.972	39.98	PK-U	30.9	-35.5	35.38	-	-	-	-	68.2	-32.82	206	137	H
2	3.196	39.26	PK-U	32.9	-33.3	38.86	-	-	-	-	68.2	-29.34	230	124	H
4	2.019	41.12	PK-U	31.1	-35.5	36.72	-	-	-	-	68.2	-31.48	142	110	V
5	3.139	38.35	PK-U	32.9	-34.1	37.15	-	-	-	-	68.2	-31.05	182	185	V
3	* 11.433	29.47	PK-U	38.1	-21.4	46.17	-	-	74	-27.83	-	-	295	184	H
	* 11.433	21.76	ADR	38.1	-21.4	38.46	54	-15.54	-	-	-	-	295	184	H
6	* 11.929	32.24	PK-U	38.5	-20.9	49.84	-	-	74	-24.16	-	-	252	214	V
	* 11.929	22.51	ADR	38.5	-20.9	40.11	54	-13.89	-	-	-	-	252	214	V

\* - indicates frequency in CFR47 Pt 15 Restricted Band

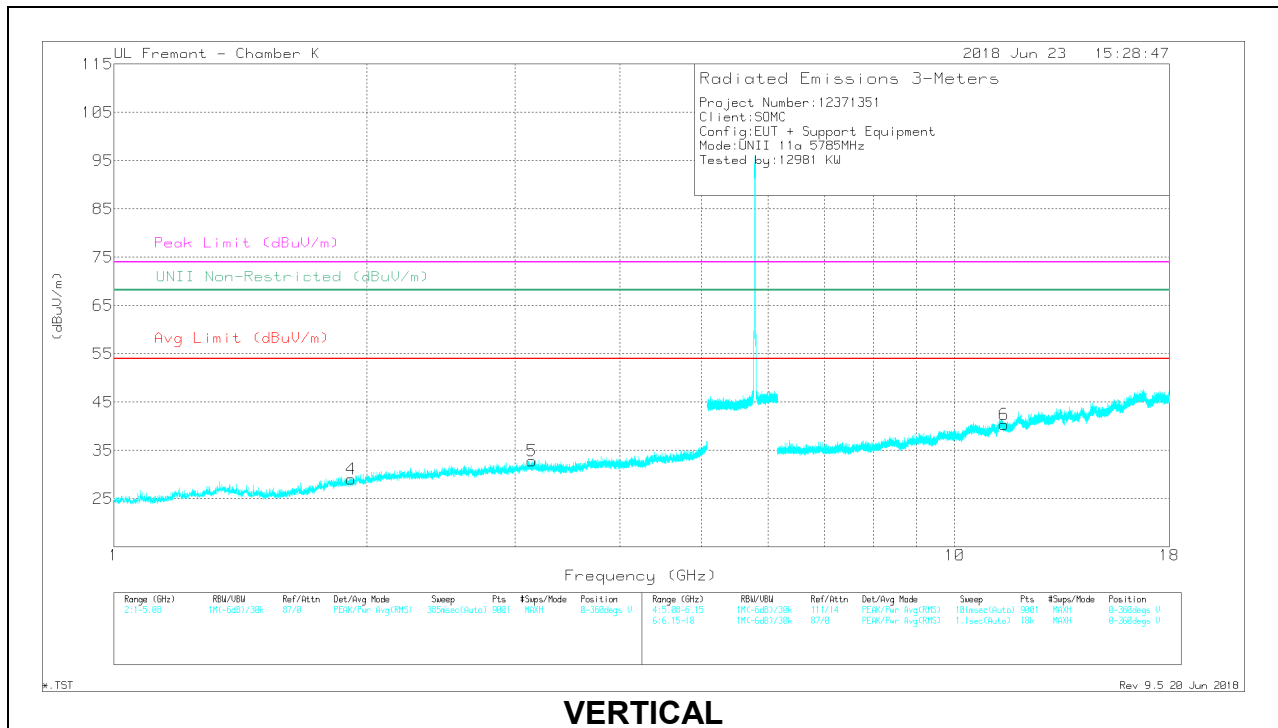
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### MID CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

## RADIATED EMISSIONS

### Radiated Emissions

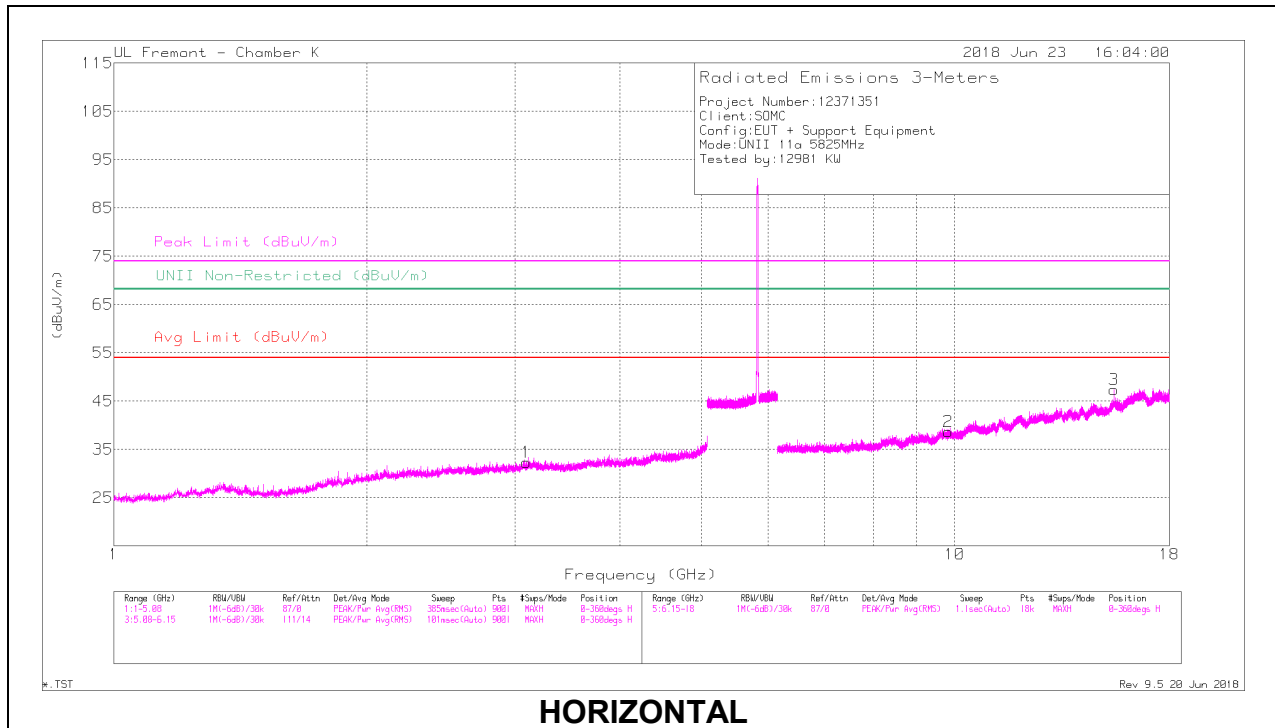
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB)	Amp/Cb/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.08	39.18	PK-U	31.5	-35.5	35.18	-	-	-	-	68.2	-33.02	48	214	H
2	3.151	39.33	PK-U	32.9	-34	38.23	-	-	-	-	68.2	-29.97	122	190	H
4	1.914	40.62	PK-U	30.5	-35.5	35.62	-	-	-	-	68.2	-32.58	173	118	V
5	3.144	41.56	PK-U	32.9	-34	40.46	-	-	-	-	68.2	-27.74	224	137	V
3	* 11.913	29.74	PK-U	38.4	-20.9	47.24	-	-	74	-26.76	-	-	164	122	H
	* 11.912	22.28	ADR	38.4	-20.9	39.78	54	-14.22	-	-	-	-	164	122	H
6	* 11.448	29.16	PK-U	38.1	-21.3	45.96	-	-	74	-28.04	-	-	96	117	V
	* 11.447	22.14	ADR	38.1	-21.3	38.94	54	-15.06	-	-	-	-	96	117	V

\* - indicates frequency in CFR47 Pt 15 Restricted Band

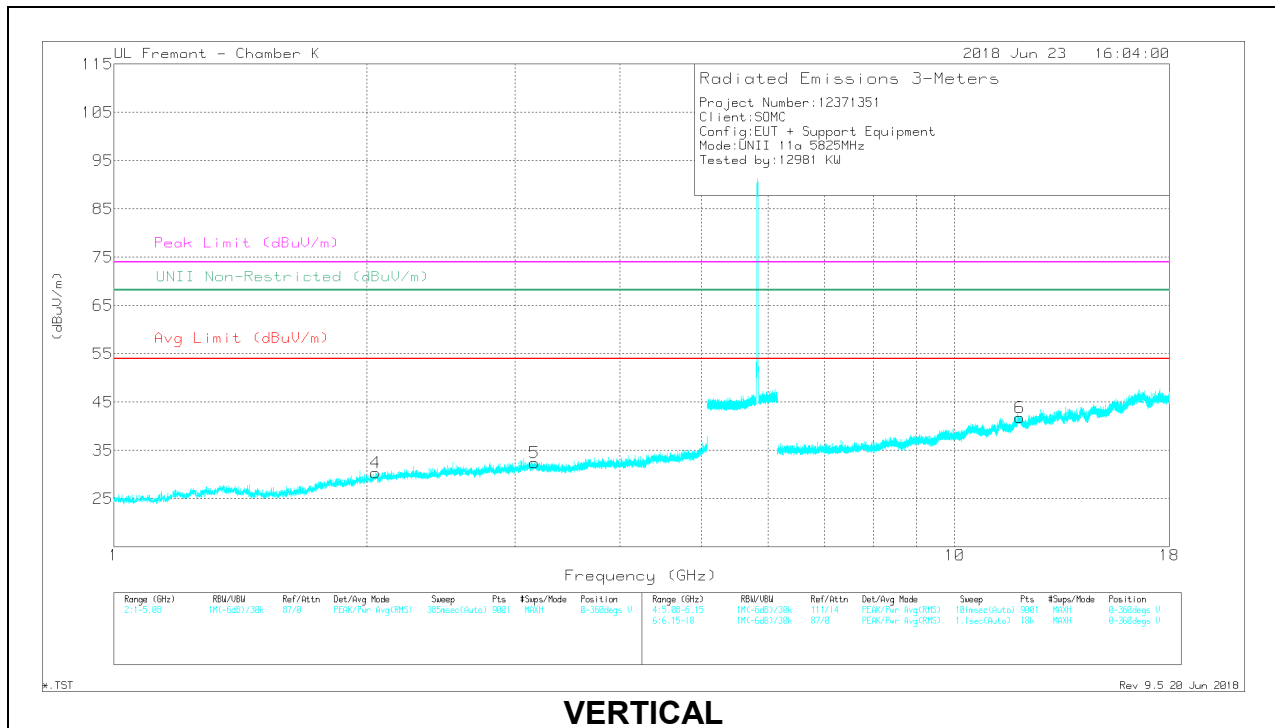
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### HIGH CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**



**RADIATED EMISSIONS**

Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB)	Amp/Cb/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	3.093	40.5	PK-U	32.9	-34.5	38.9	-	-	-	-	68.2	-29.3	119	134	H
4	2.047	39.87	PK-U	31.2	-35.5	35.57	-	-	-	-	68.2	-32.63	173	154	V
5	3.162	39.87	PK-U	32.9	-33.8	38.97	-	-	-	-	68.2	-29.23	149	187	V
2	9.829	31.01	PK-U	36.9	-24.4	43.51	-	-	-	-	68.2	-24.69	67	137	H
3	* 15.47	29.41	PK-U	40.6	-19.1	50.91	-	-	74	-23.09	-	-	323	224	H
	* 15.467	20.95	ADR	40.6	-19.1	42.45	54	-11.55	-	-	-	-	323	224	H
6	* 11.951	31.74	PK-U	38.5	-20.7	49.54	-	-	74	-24.46	-	-	253	205	V
	* 11.952	22.16	ADR	38.5	-20.7	39.96	54	-14.04	-	-	-	-	252	205	V

\* - indicates frequency in CFR47 Pt 15 Restricted Band

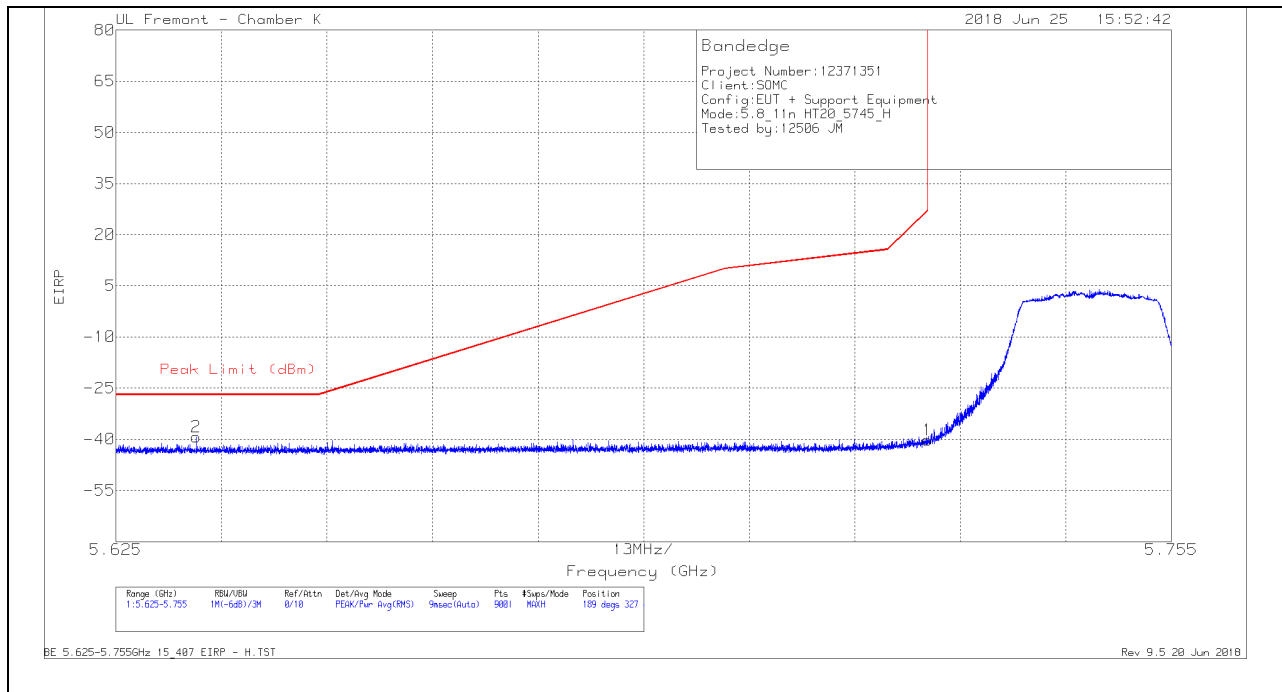
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

**9.1.14. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.8 GHz BAND**

**BANDEDGE (LOW CHANNEL)**

**HORIZONTAL RESULT**

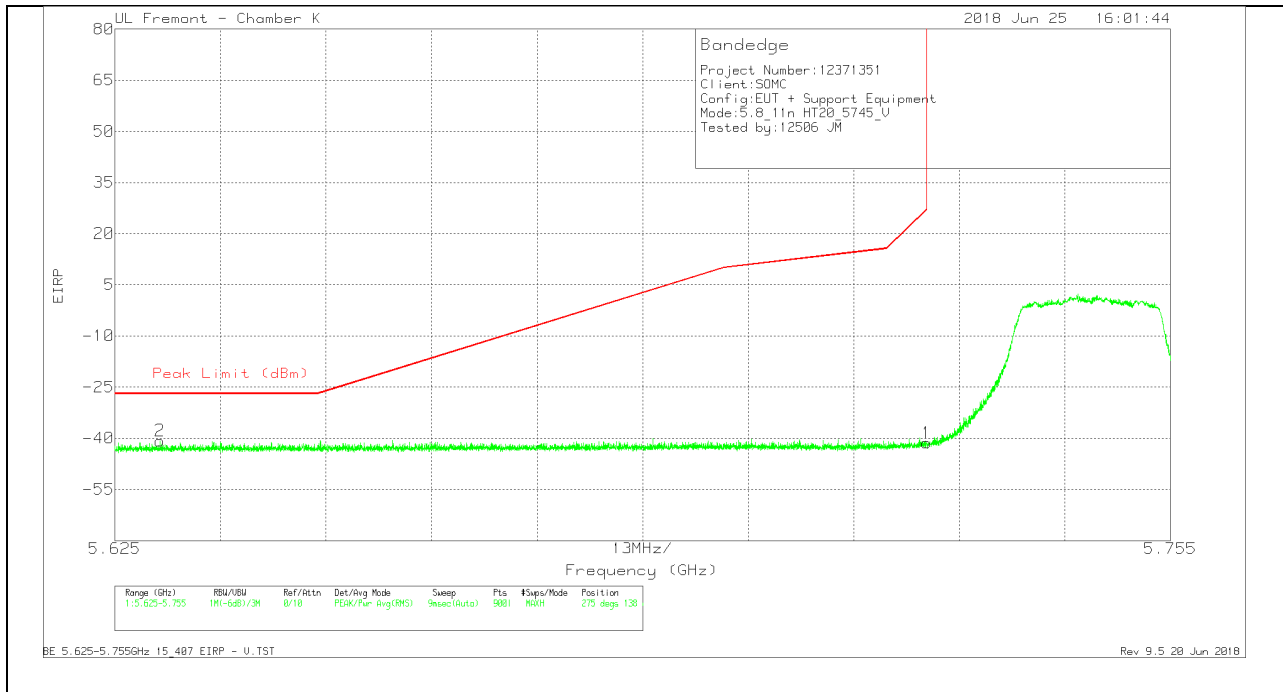


**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB)	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	-67.03	Pk	34.9	-19.9	11.8	-40.23	26.99	-67.22	189	327	H
2	5.635	-65.46	Pk	34.6	-20.3	11.8	-39.36	-27	-12.36	189	327	H

Pk - Peak detector

### VERTICAL RESULT



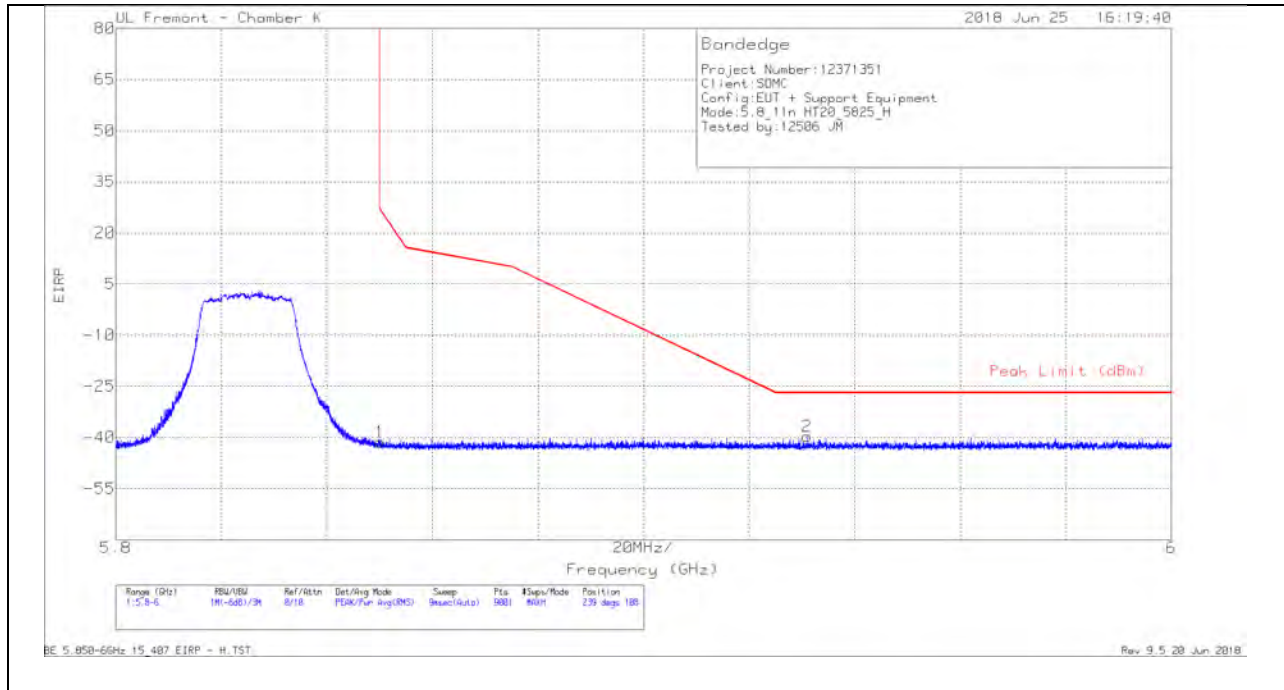
### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB)	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	-68.23	Pk	34.9	-19.9	11.8	-41.43	26.99	-68.42	275	138	V
2	5.631	-66.71	Pk	34.6	-20.4	11.8	-40.71	-27	-13.71	275	138	V

Pk - Peak detector

**BANDEGE (HIGH CHANNEL)**

**HORIZONTAL RESULT**

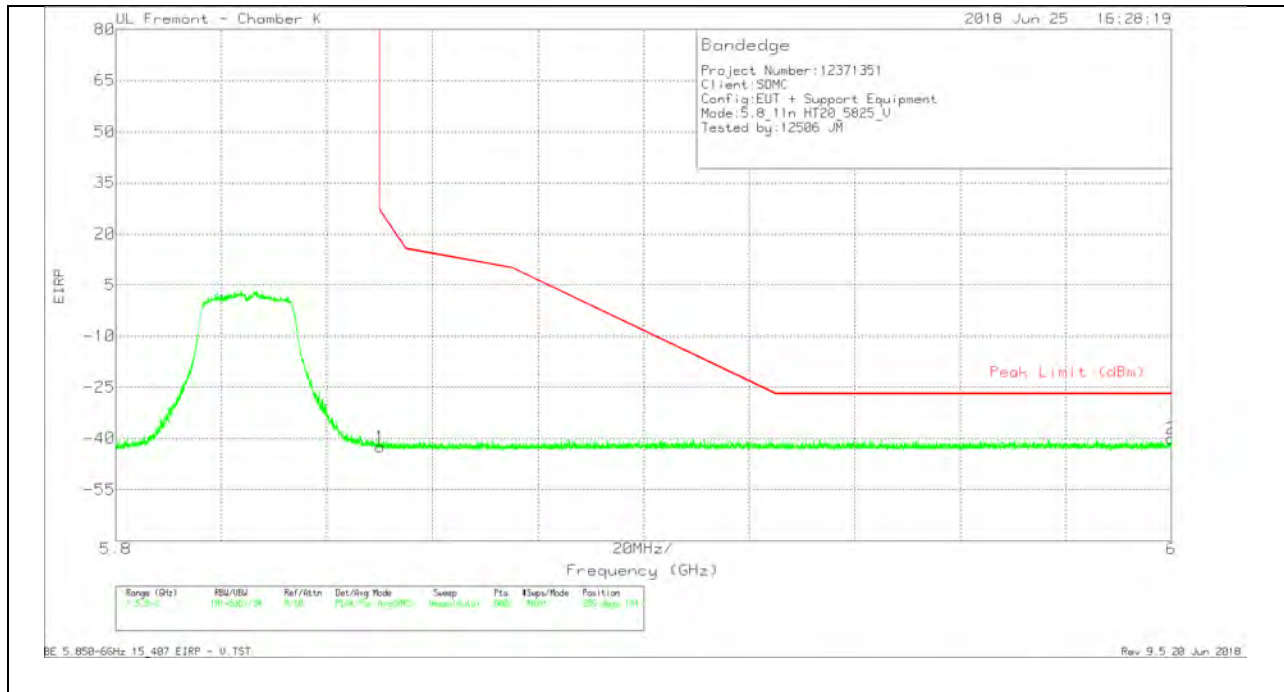


**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AFT344 (dB)	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	-68.53	Pk	35	-19.7	11.8	-41.43	26.95	-68.38	239	108	H
2	5.931	-66.97	Pk	35.1	-19.6	11.8	-39.67	-27	-12.67	239	108	H

Pk - Peak detector

### VERTICAL RESULT



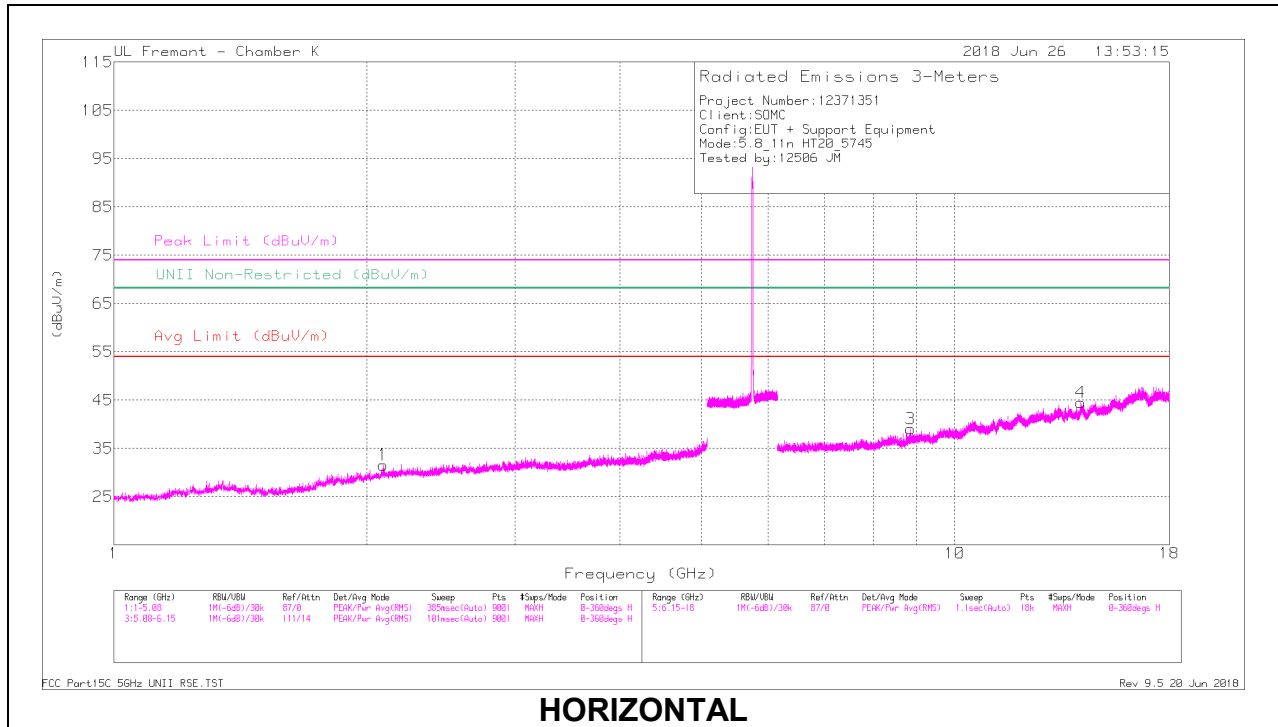
#### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB)	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	-69.49	Pk	35	-19.7	11.8	-42.39	26.95	-69.34	289	184	V
2	6	-67.58	Pk	35.2	-19.4	11.8	-39.98	-27	-12.98	289	184	V

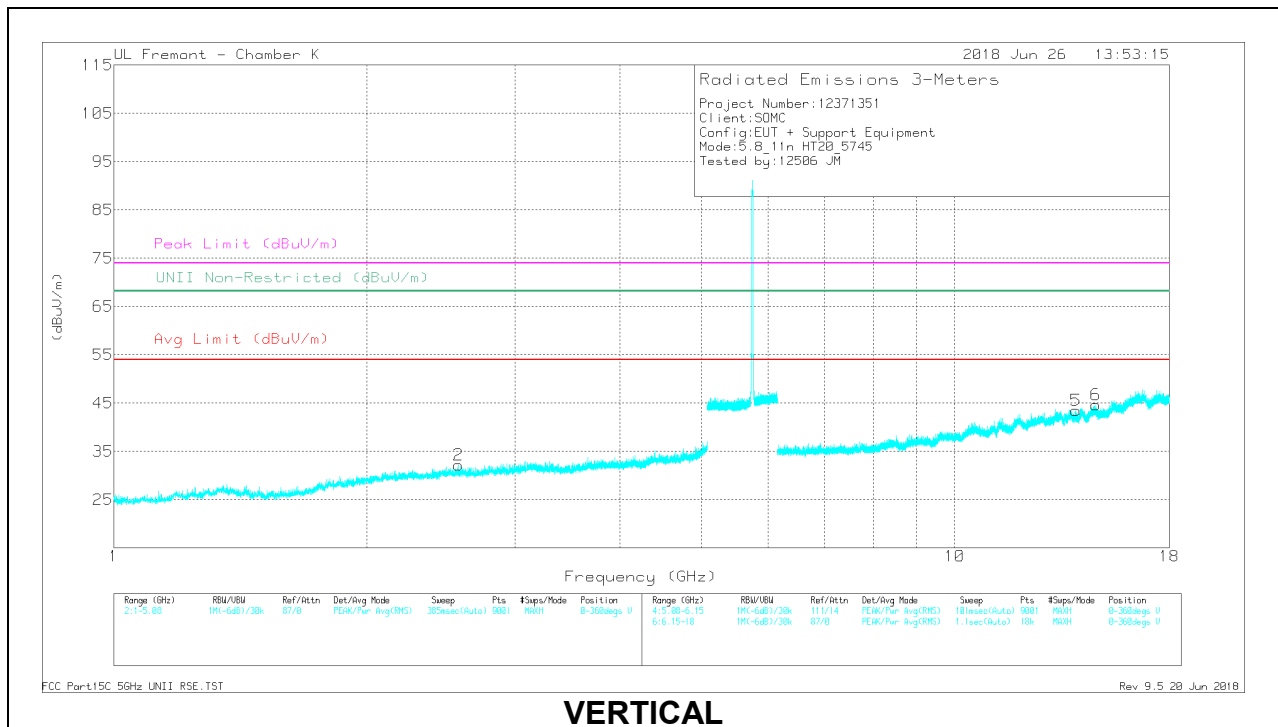
Pk - Peak detector

**HARMONICS AND SPURIOUS EMISSIONS**

**LOW CHANNEL RESULTS**



**HORIZONTAL**



**VERTICAL**

**RADIATED EMISSIONS**

Radiated Emissions

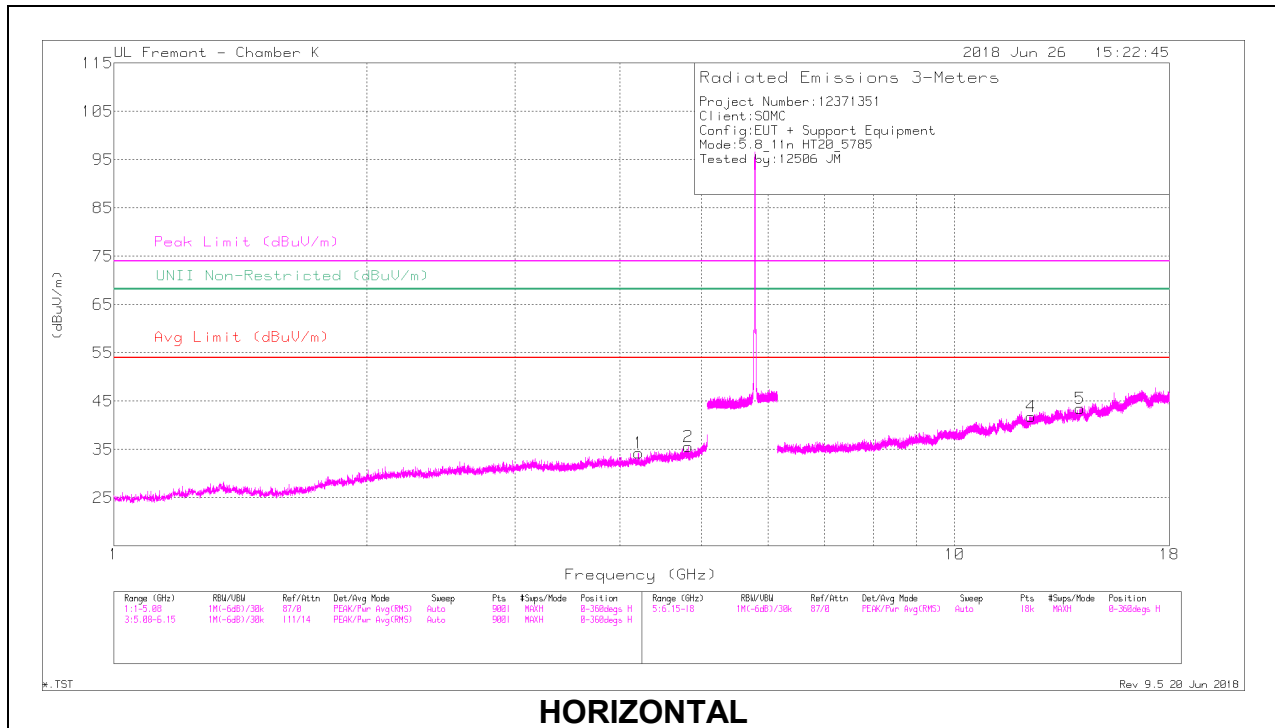
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB)	Amp/Cb/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.093	41.96	PK-U	31.5	-35.5	37.96	-	-	-	-	68.2	-30.24	95	296	H
2	2.569	39.93	PK-U	32.3	-35.4	36.83	-	-	-	-	68.2	-31.37	121	221	V
3	8.867	31.12	PK-U	36.1	-24.5	42.72	-	-	-	-	68.2	-25.48	133	184	H
4	14.12	30.09	PK-U	38.9	-19	49.99	-	-	-	-	68.2	-18.21	139	156	H
5	13.939	29.91	PK-U	38.7	-20	48.61	-	-	-	-	68.2	-19.59	126	112	V
6	14.709	28.71	PK-U	39.8	-19.4	49.11	-	-	-	-	68.2	-19.09	115	159	V

\* - indicates frequency in CFR47 Pt 15 Restricted Band

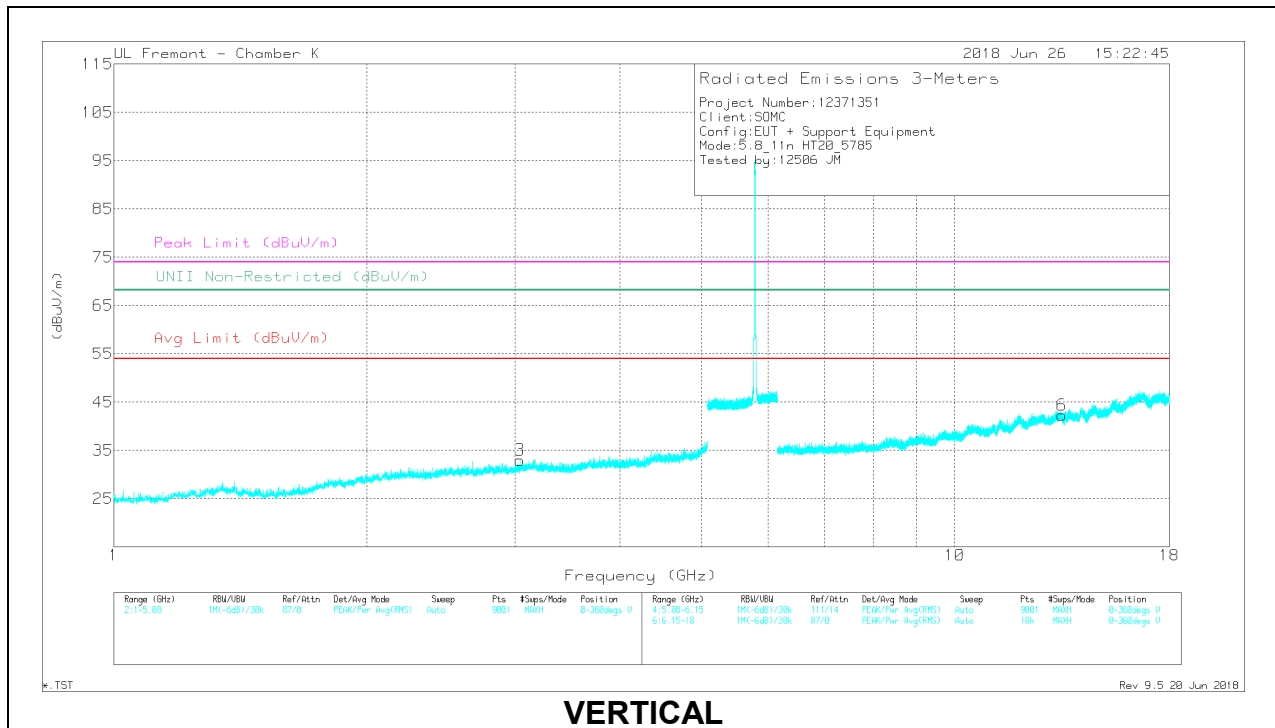
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### MID CHANNEL RESULTS



### HORIZONTAL



### VERTICAL



**RADIATED EMISSIONS**

Radiated Emissions

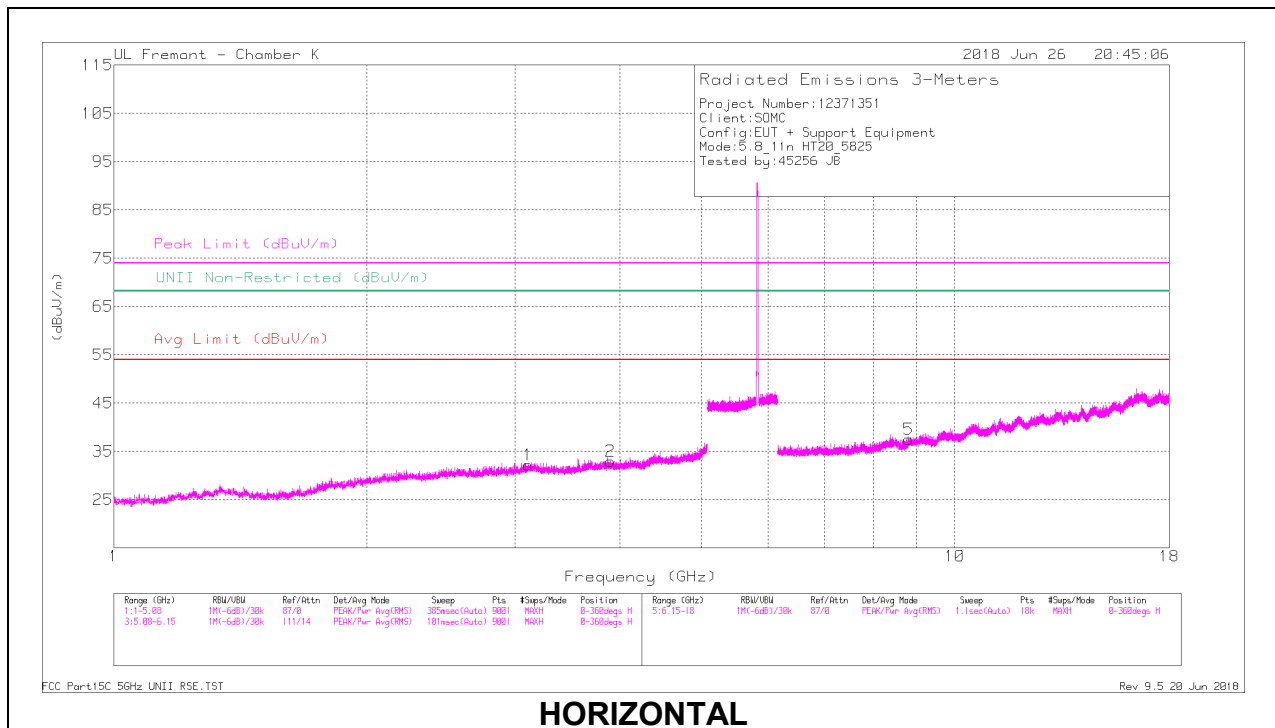
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB)	Amp/Cb/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.208	39.49	PK-U	33.4	-31.4	41.49	-	-	74	-32.51	-	-	241	249	H
	* 4.207	28.53	ADR	33.4	-31.4	30.53	54	-23.47	-	-	-	-	241	249	H
2	* 4.826	39.13	PK-U	34.1	-30.2	43.03	-	-	74	-30.97	-	-	279	362	H
	* 4.825	28.6	ADR	34.1	-30.2	32.5	54	-21.5	-	-	-	-	279	362	H
3	3.04	39.51	PK-U	32.9	-34.6	37.81	-	-	-	-	68.2	-30.39	322	185	V
4	* 12.326	29.14	PK-U	38.8	-20.9	47.04	-	-	74	-26.96	-	-	331	131	H
	* 12.326	21.5	ADR	38.8	-20.9	39.4	54	-14.6	-	-	-	-	331	131	H
5	14.1	29.07	PK-U	38.8	-19.5	48.37	-	-	-	-	68.2	-19.83	298	400	H
6	13.414	31.3	PK-U	39.2	-20.7	49.8	-	-	-	-	68.2	-18.4	320	383	V

\* - indicates frequency in CFR47 Pt 15 Restricted Band

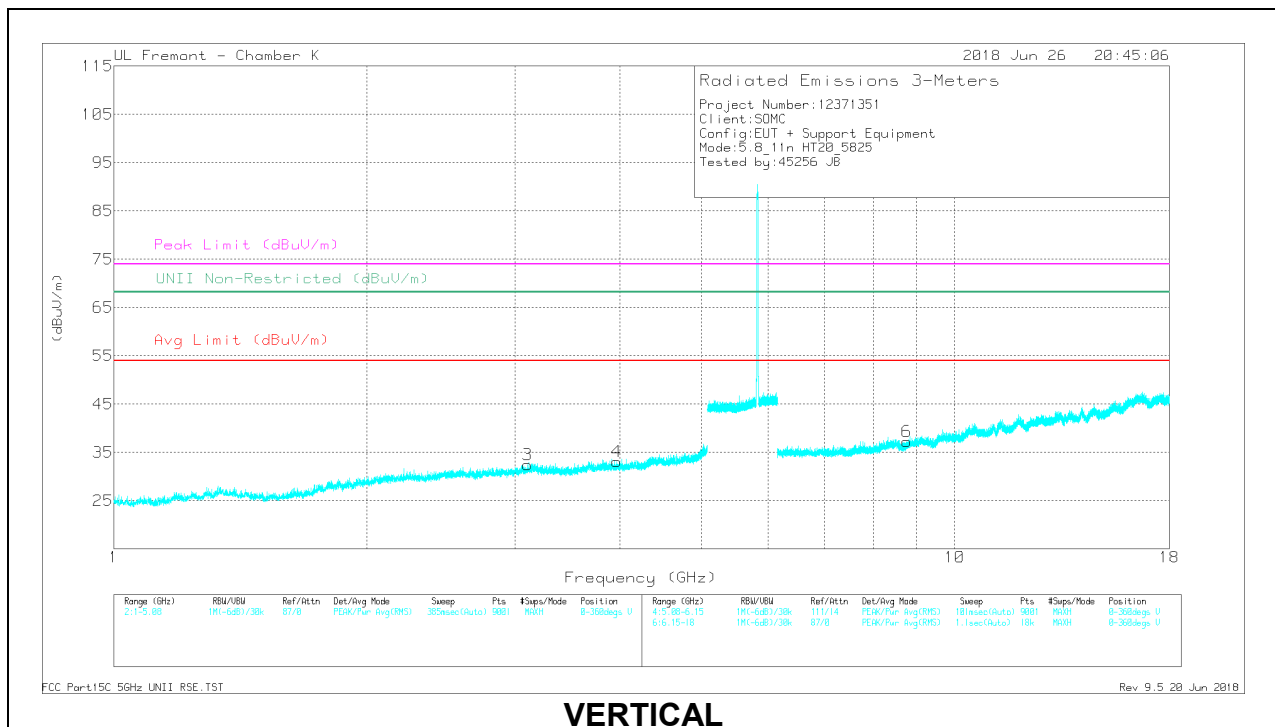
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### HIGH CHANNEL RESULTS



### HORIZONTAL



### VERTICAL

**RADIATED EMISSIONS**

Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB)	Amp/Cb/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	3.11	41.83	PK-U	32.9	-34.3	40.43	-	-	-	-	68.2	-27.77	222	391	H
2	* 3.897	39.4	PK-U	33.4	-32.1	40.7	-	-	74	-33.3	-	-	42	104	H
	* 3.898	29.13	ADR	33.4	-32.1	30.43	54	-23.57	-	-	-	-	42	104	H
3	3.106	41.25	PK-U	32.9	-34.4	39.75	-	-	-	-	68.2	-28.45	62	286	V
4	* 3.963	38.4	PK-U	33.4	-31.9	39.9	-	-	74	-34.1	-	-	120	274	V
	* 3.962	28.89	ADR	33.4	-31.9	30.39	54	-23.61	-	-	-	-	120	274	V
5	8.817	32.83	PK-U	36	-24.6	44.23	-	-	-	-	68.2	-23.97	287	229	H
6	8.775	33.6	PK-U	36	-25	44.6	-	-	-	-	68.2	-23.6	96	326	V

\* - indicates frequency in CFR47 Pt 15 Restricted Band

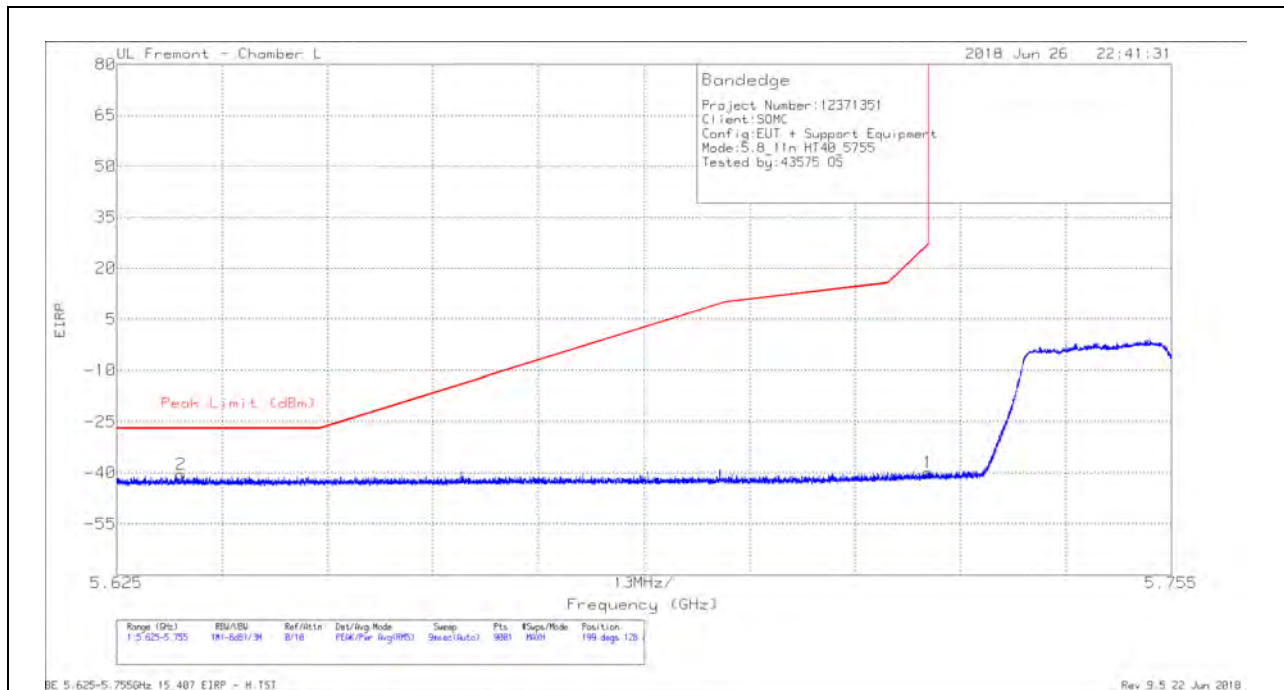
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

**9.1.15. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.8 GHz BAND**

**BANDEDGE (LOW CHANNEL)**

**HORIZONTAL RESULT**

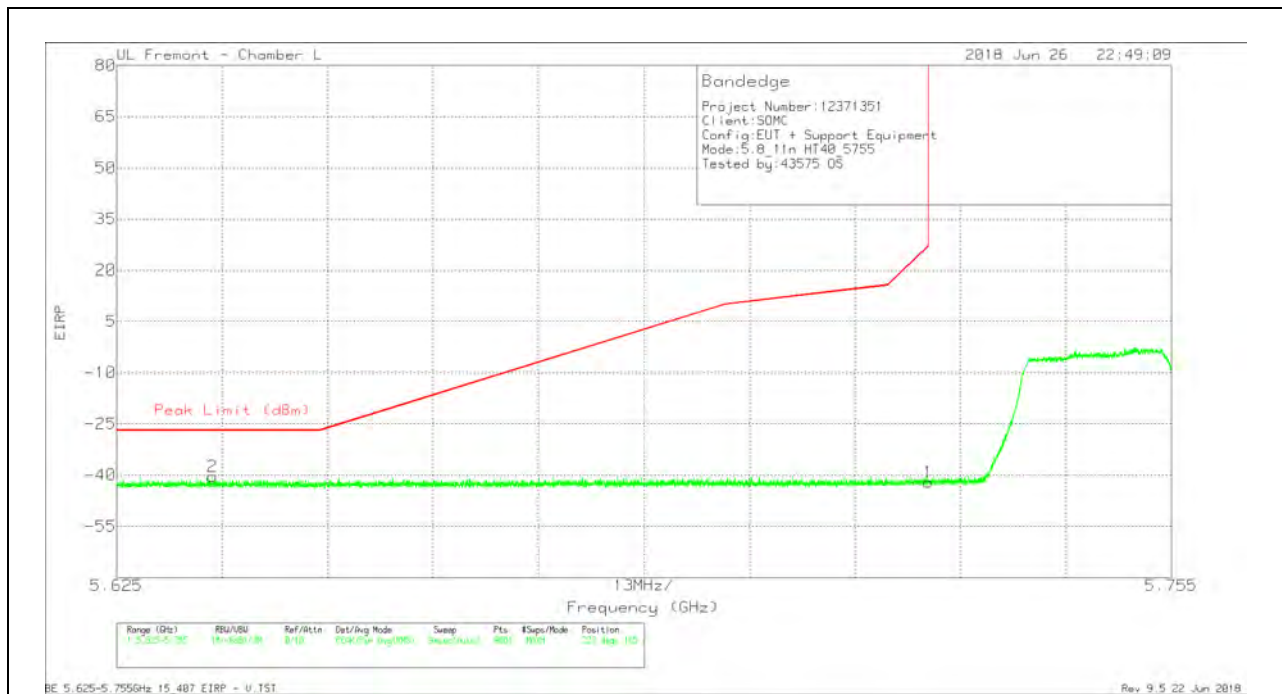


**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF EMC4294 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-68.25	Pk	34.9	-18.4	11.8	0	-39.95	26.99	-66.94	199	128	H
2	5.633	-68.73	Pk	34.8	-18.3	11.8	0	-40.43	-27	-13.43	199	128	H

Pk - Peak detector

### VERTICAL RESULT



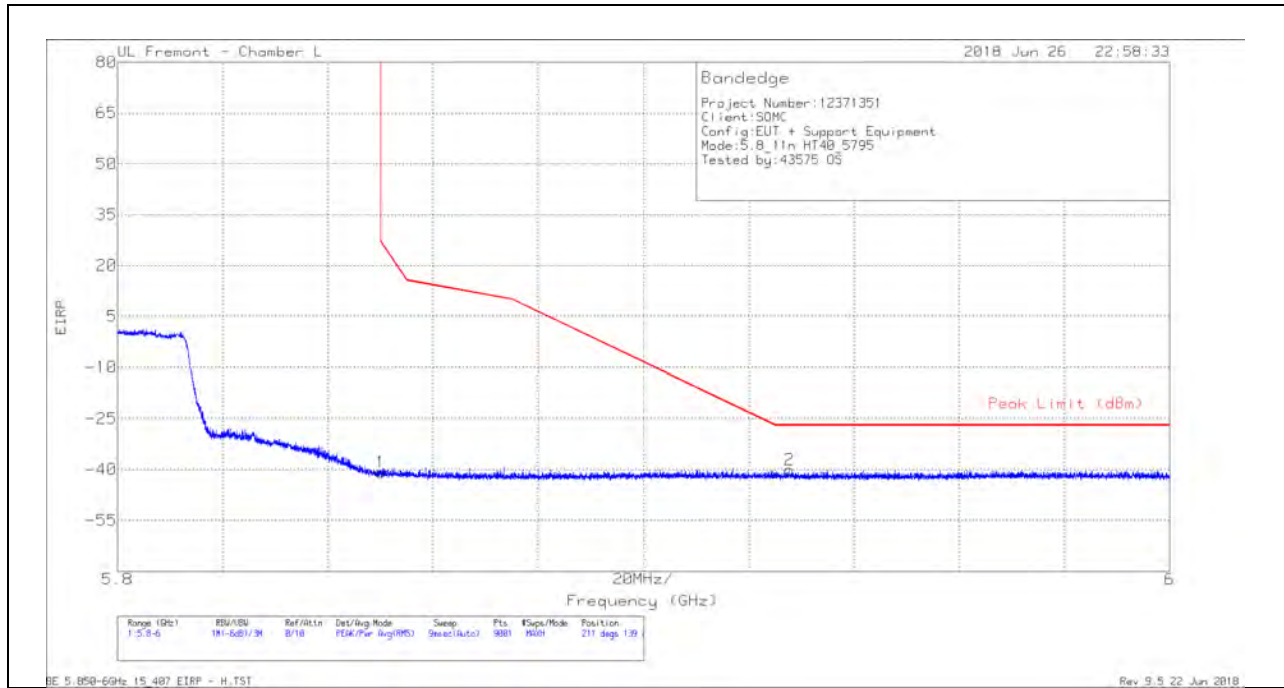
#### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF EMC4294 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-70.31	Pk	34.9	-18.4	11.8	0	-42.01	26.99	-69	227	165	V
2	5.637	-68.69	Pk	34.8	-18.4	11.8	0	-40.49	-27	-13.49	227	165	V

Pk - Peak detector

**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL RESULT**

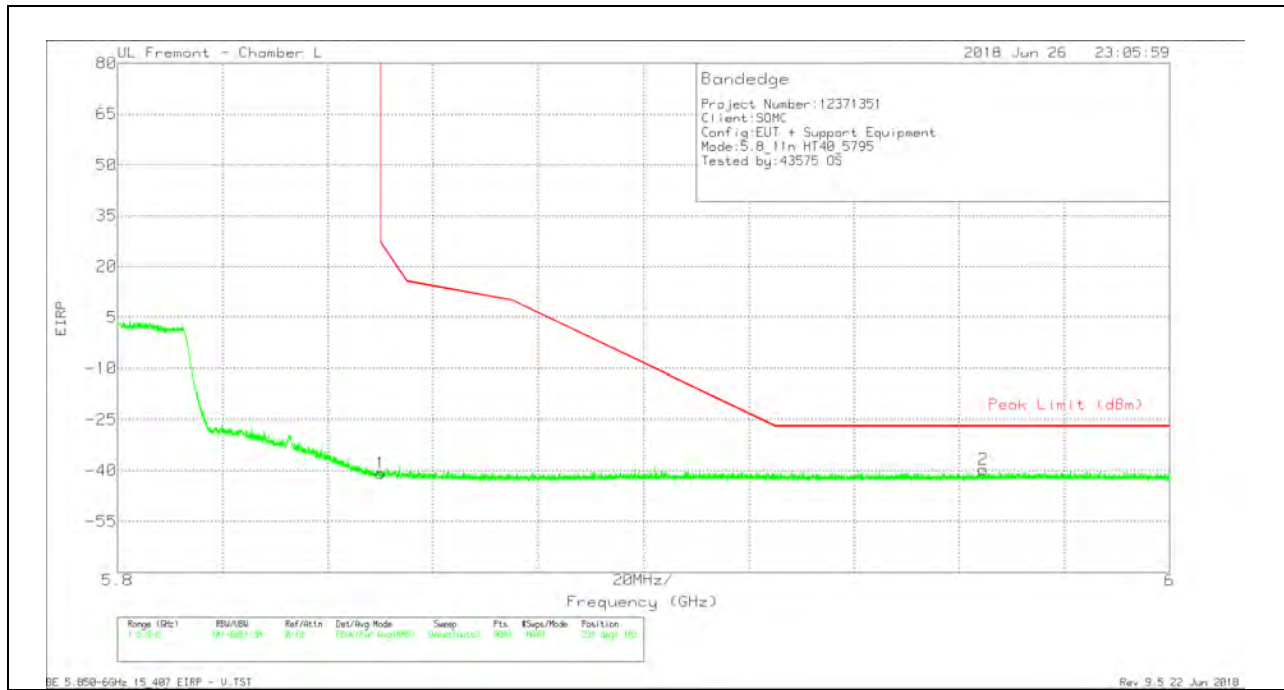


**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF EMC4294 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-69.22	Pk	35.1	-18.5	11.8	0	-40.82	26.95	-67.77	211	139	H
2	5.928	-69.04	Pk	35.2	-18	11.8	0	-40.04	-27	-13.04	211	139	H

Pk - Peak detector

### VERTICAL RESULT



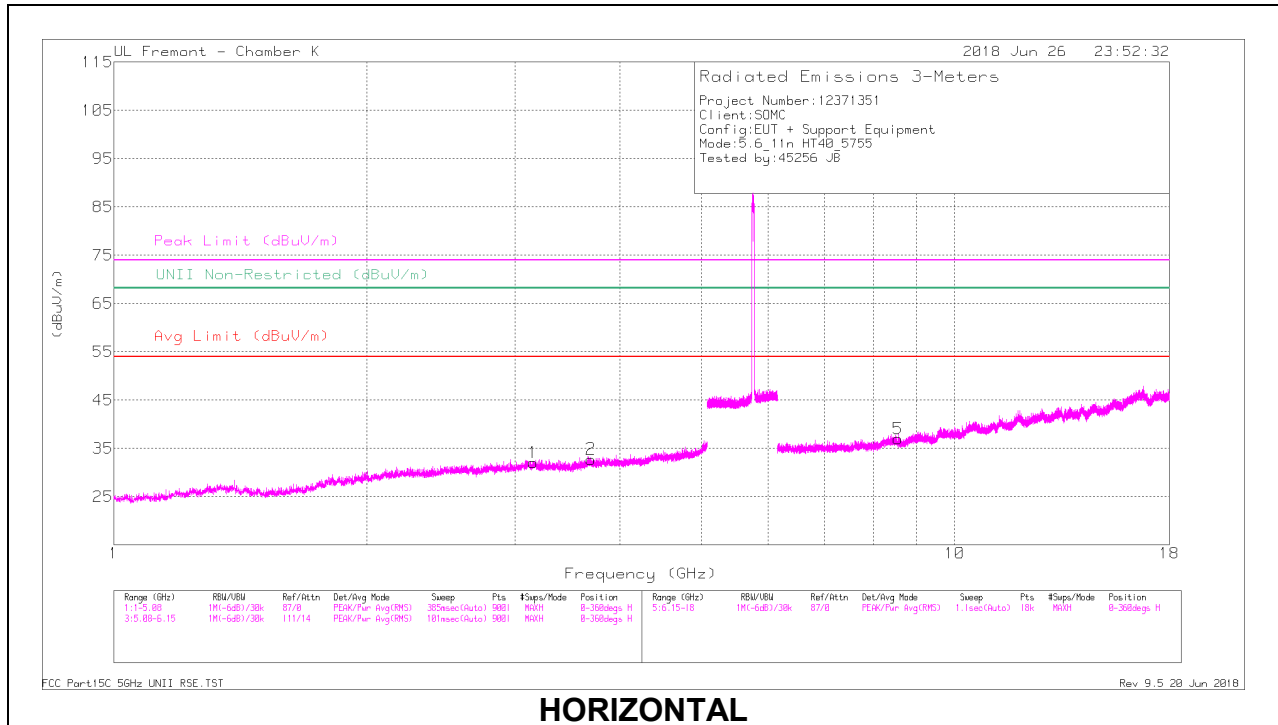
### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF EMC4294 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-69.27	Pk	35.1	-18.5	11.8	0	-40.87	26.95	-67.82	231	102	V
2	5.965	-68.76	Pk	35.1	-17.8	11.8	0	-39.66	-27	-12.66	231	102	V

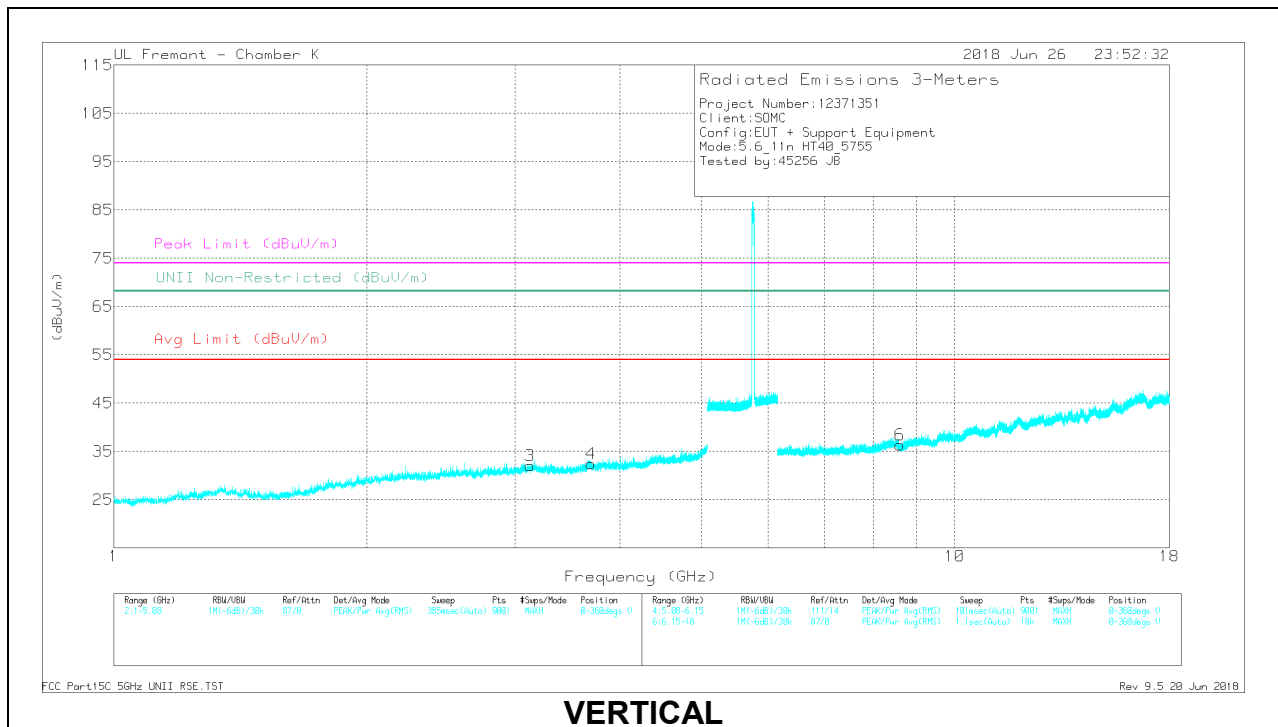
Pk - Peak detector

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**



**RADIATED EMISSIONS**

Radiated Emissions

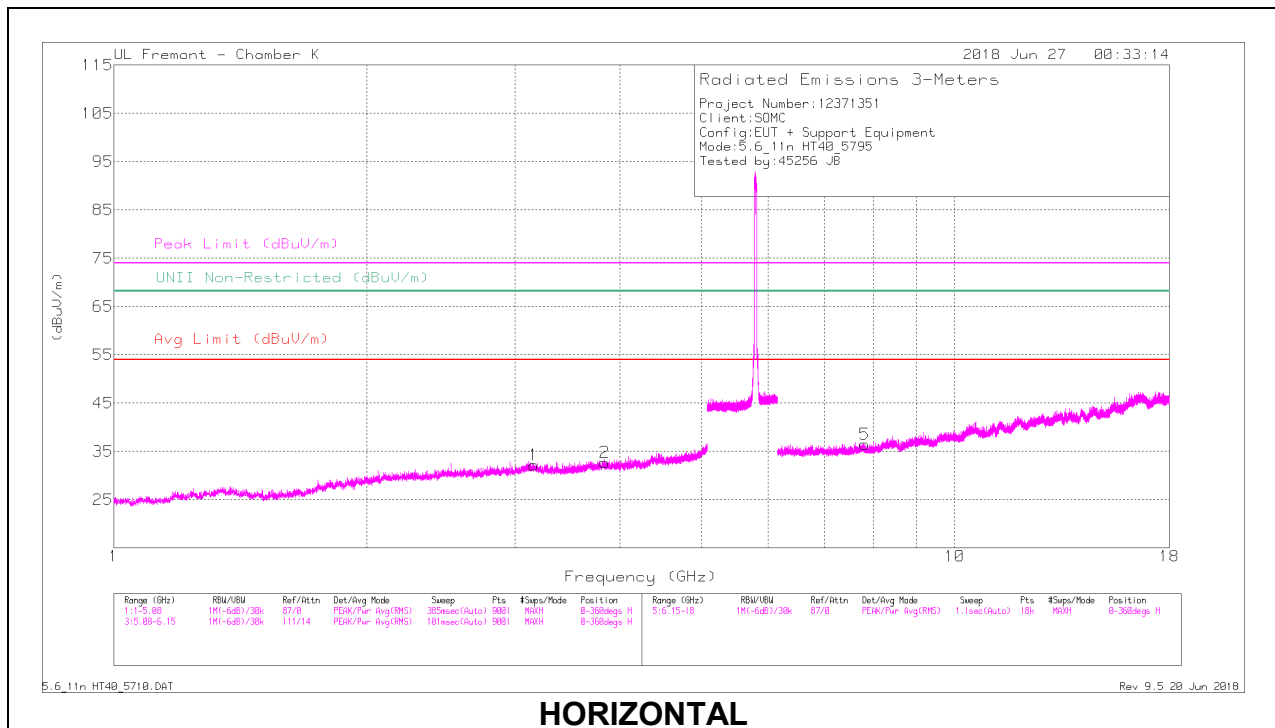
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	3.156	40.26	PK-U	32.9	-34	0	39.16	-	-	-	-	68.2	-29.04	15	391	H
2	* 3.692	39.15	PK-U	33.1	-32.5	0	39.75	-	-	74	-34.25	-	-	323	349	H
	* 3.691	29.7	ADR	33.1	-32.5	.27	30.57	54	-23.43	-	-	-	-	323	349	H
3	3.127	41.11	PK-U	32.9	-34.2	0	39.81	-	-	-	-	68.2	-28.39	122	354	V
4	* 3.697	39.27	PK-U	33.2	-32.4	0	40.07	-	-	74	-33.93	-	-	259	309	V
	* 3.695	29.36	ADR	33.2	-32.4	.27	30.43	54	-23.57	-	-	-	-	259	309	V
5	8.564	32.59	PK-U	35.7	-24.7	0	43.59	-	-	-	-	68.2	-24.61	87	352	H
6	8.607	33.44	PK-U	35.8	-25.1	0	44.14	-	-	-	-	68.2	-24.06	113	131	V

\* - indicates frequency in CFR47 Pt 15 Restricted Band

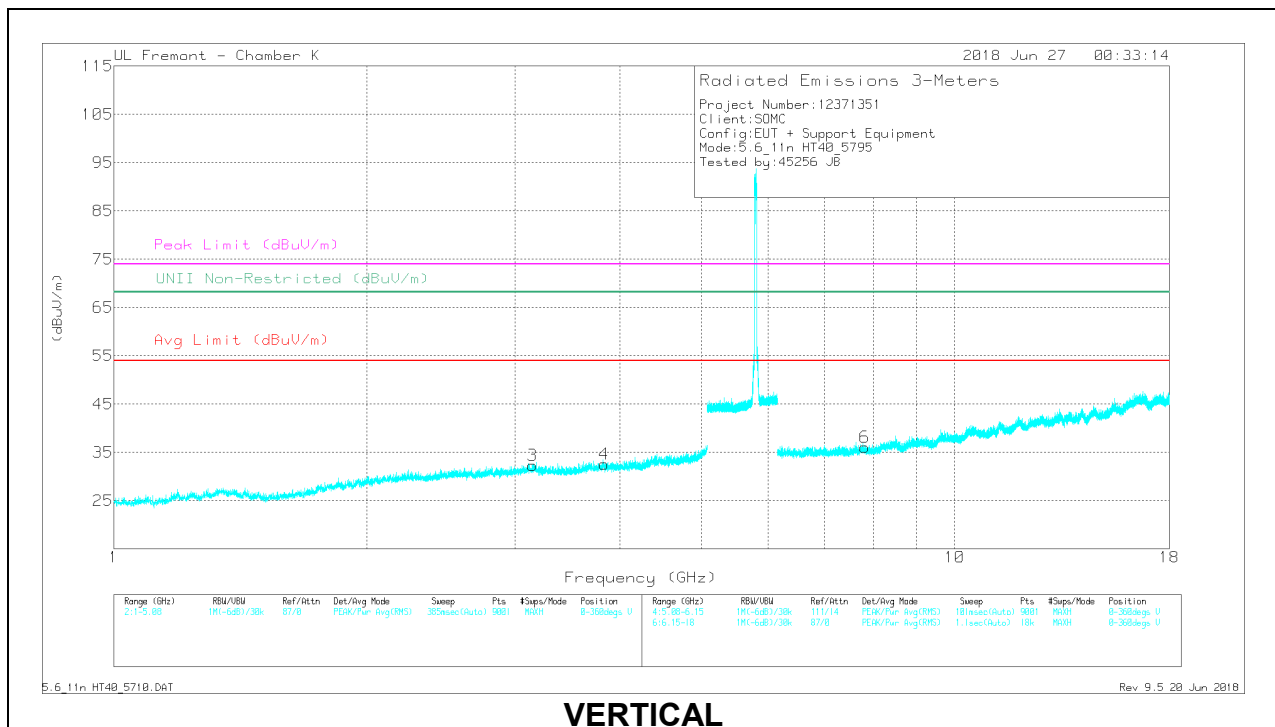
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### HIGH CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

## RADIATED EMISSIONS

### Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	3.158	40.52	PK-U	32.9	-33.9	0	39.52	-	-	-	-	68.2	-28.68	352	396	H
2	* 3.835	37.98	PK-U	33.4	-32.3	0	39.08	-	-	74	-34.92	-	-	250	330	H
	* 3.833	28.98	ADR	33.4	-32.3	.27	30.35	54	-23.65	-	-	-	-	250	330	H
3	3.151	40.5	PK-U	32.9	-34	0	39.4	-	-	-	-	68.2	-28.8	347	140	V
4	* 3.829	38.8	PK-U	33.4	-32.2	0	40	-	-	74	-34	-	-	125	156	V
	* 3.831	29	ADR	33.4	-32.3	.27	30.37	54	-23.63	-	-	-	-	125	156	V
5	7.816	33.16	PK-U	35.7	-26.3	0	42.56	-	-	-	-	68.2	-25.64	107	335	H
6	7.812	34.11	PK-U	35.7	-26.2	0	43.61	-	-	-	-	68.2	-24.59	305	355	V

\* - indicates frequency in CFR47 Pt 15 Restricted Band

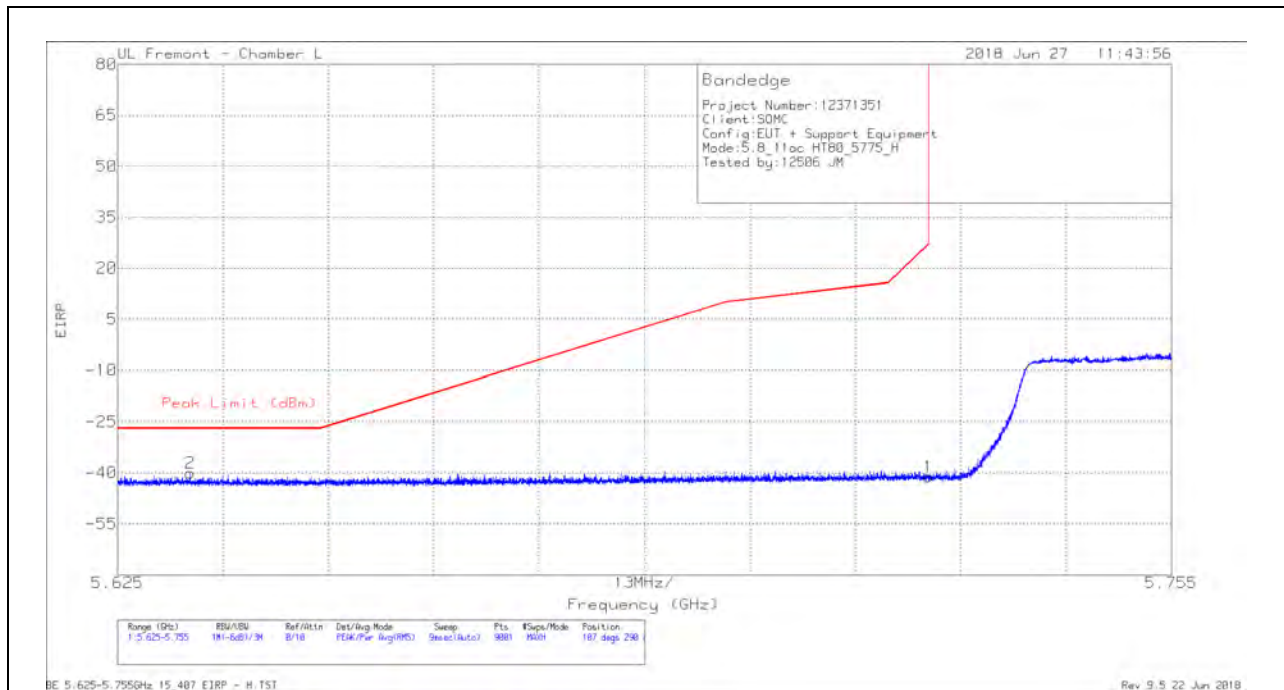
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

**9.1.16. TX ABOVE 1 GHz 802.11ac VHT80 MODE IN THE 5.8 GHz BAND**

**BANDEDGE (CHANNEL 155 LOW EDGE)**

**HORIZONTAL RESULT**

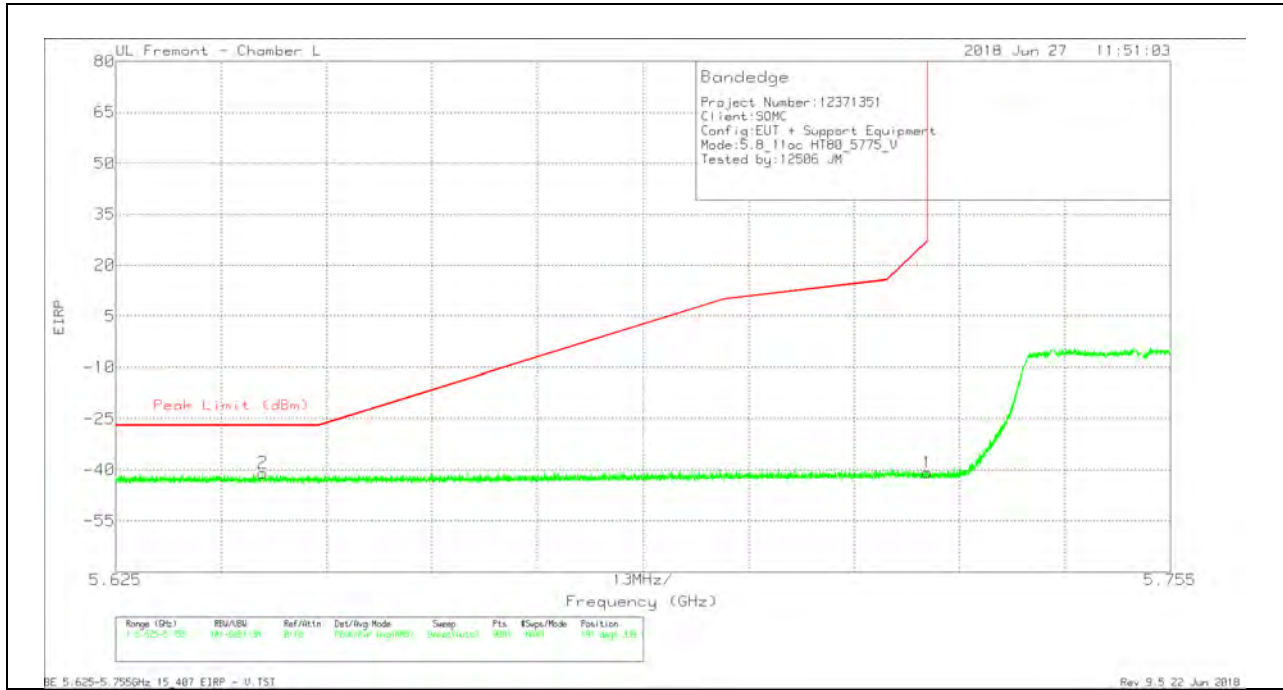


**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF EMC4294 (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	-69.51	Pk	34.9	-18.4	11.8	-41.21	26.99	-68.2	107	290	H
2	5.634	-68.41	Pk	34.8	-18.3	11.8	-40.11	-27	-13.11	107	290	H

Pk - Peak detector

**VERTICAL RESULT**



**Trace Markers**

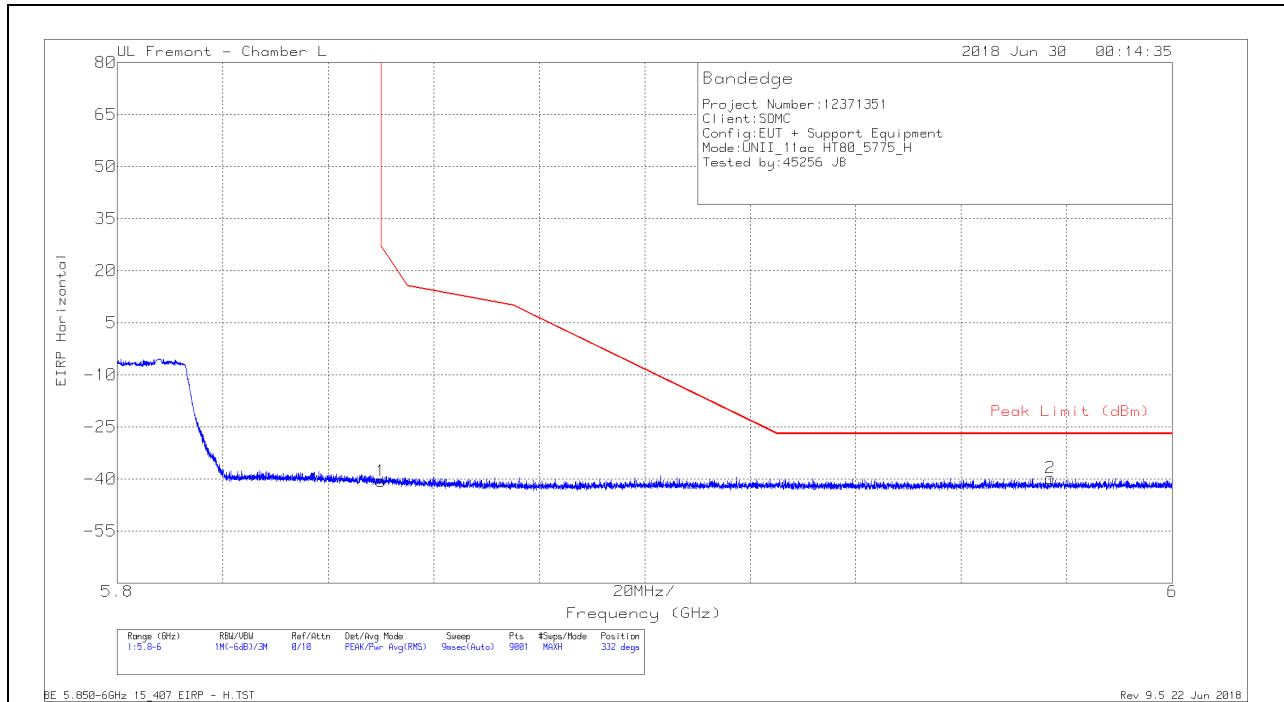
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF EMC4294 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-69.04	Pk	34.9	-18.4	11.8	-40.74	26.99	-67.73	191	339	V
2	5.643	-69.09	Pk	34.8	-18.4	11.8	-40.89	-27	-13.89	191	339	V

\* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

**BANDEDGE (CHANNEL 155 HIGH EDGE)**

**HORIZONTAL RESULT**

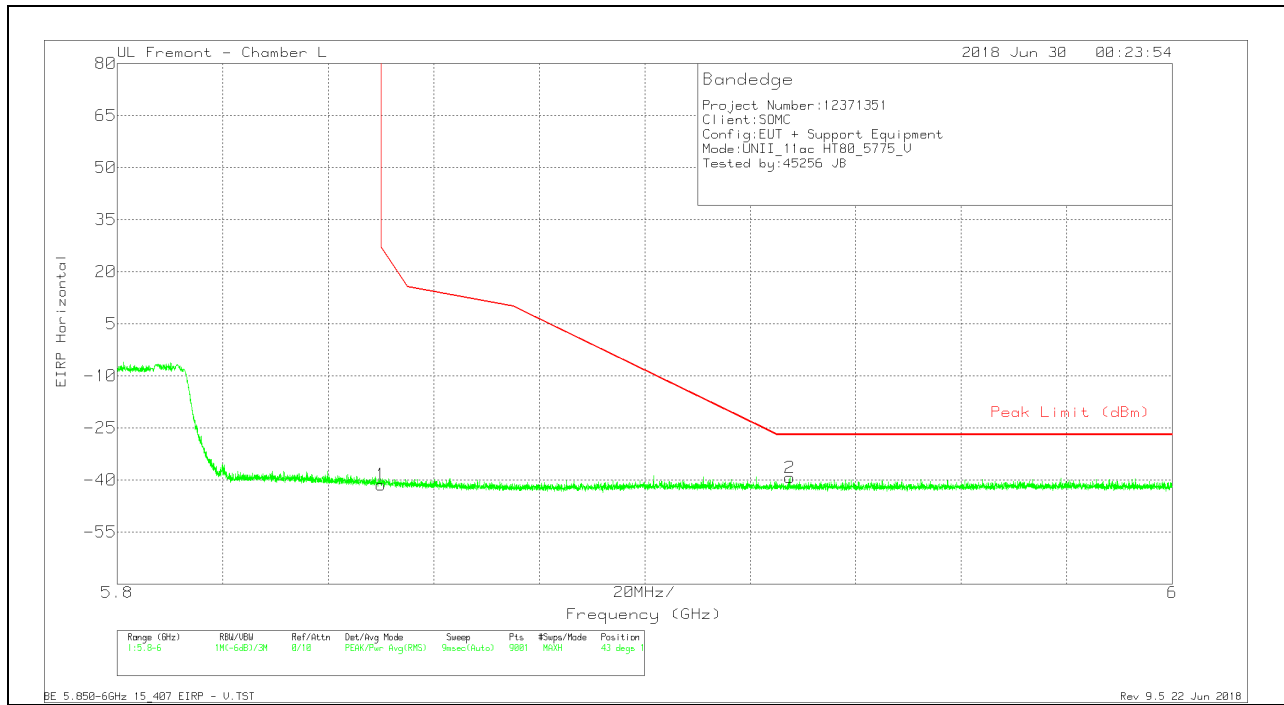


**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF EMC4294 (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	-69.05	Pk	35.1	-18.5	11.8	-40.65	26.95	-67.6	332	99	H
2	5.977	-68.92	Pk	35.1	-17.7	11.8	-39.72	-27	-12.72	332	99	H

Pk - Peak detector

### VERTICAL RESULT



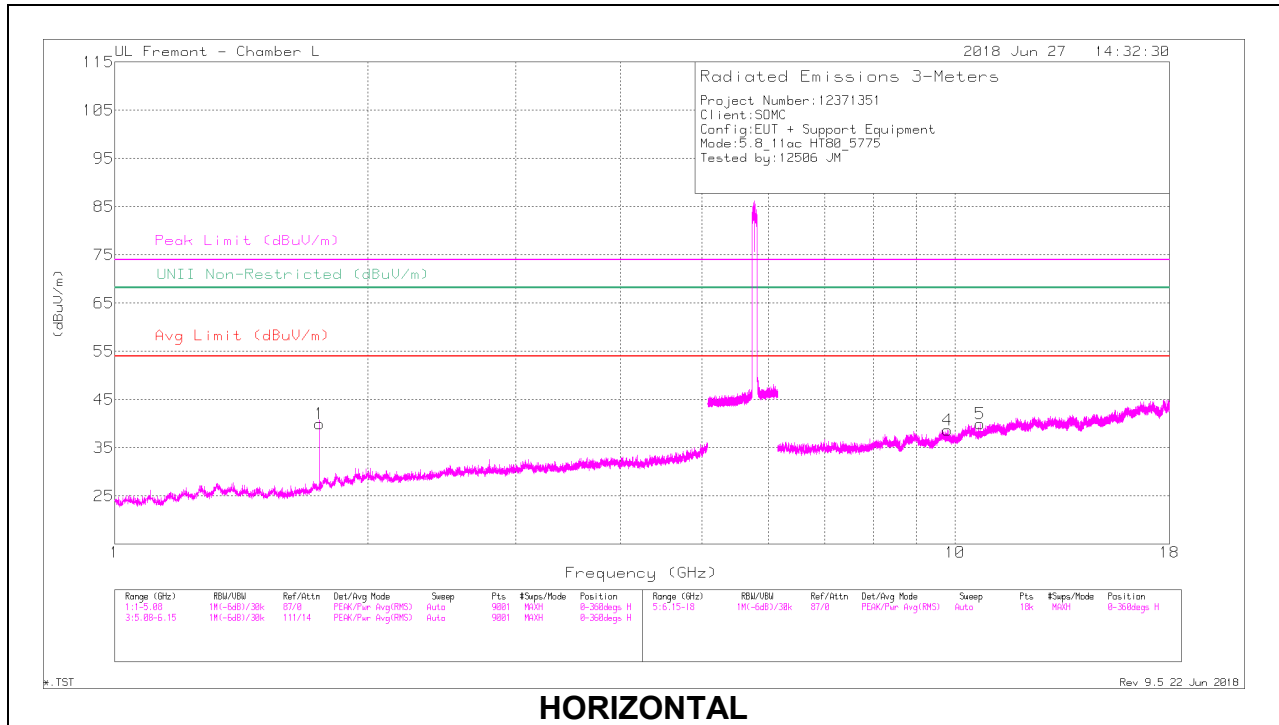
#### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF EMC4294 (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	-69.85	Pk	35.1	-18.5	11.8	-41.45	26.95	-68.4	43	131	V
2	5.928	-68.34	Pk	35.2	-18	11.8	-39.34	-27	-12.34	43	131	V

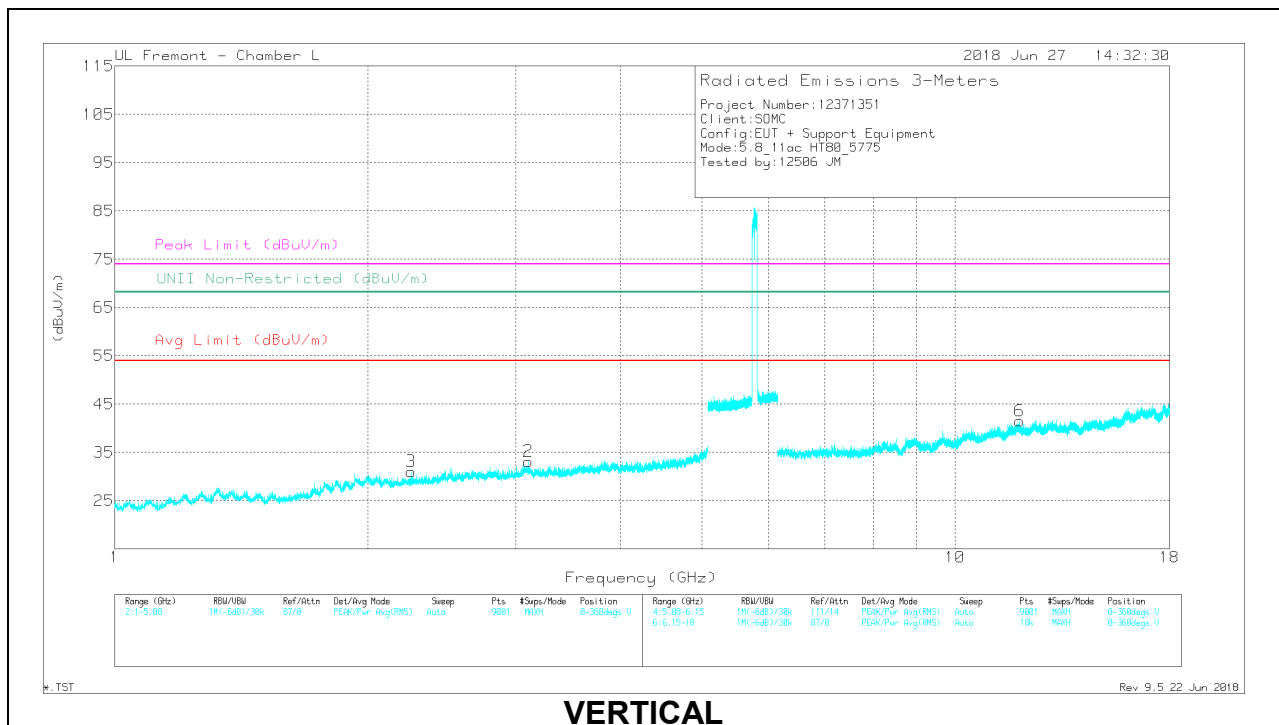
PK - Peak detector

## HARMONICS AND SPURIOUS EMISSIONS

### MID CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**



**RADIATED EMISSIONS**

Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.752	38.19	PK-U	29.7	-33.6	0	34.29	-	-	-	-	68.2	-33.91	27	341	H
2	3.107	36.47	PK-U	33.4	-31	0	38.87	-	-	-	-	68.2	-29.33	203	243	V
3	* 2.254	38.48	PK-U	31.5	-32.6	0	37.38	-	-	74	-36.62	-	-	121	308	V
	* 2.251	28.57	ADR	31.5	-32.6	.53	28	54	-26	-	-	-	-	121	308	V
4	9.797	29.3	PK-U	37	-21.5	0	44.8	-	-	-	-	68.2	-23.4	166	243	H
5	* 10.719	29.47	PK-U	37.7	-21.1	0	46.07	-	-	74	-27.93	-	-	236	398	H
	* 10.717	19.35	ADR	37.7	-21	.53	36.58	54	-17.42	-	-	-	-	236	398	H
6	* 11.943	29.12	PK-U	38.7	-20.8	0	47.02	-	-	74	-26.98	-	-	299	245	V
	* 11.943	19.99	ADR	38.7	-20.8	.53	38.42	54	-15.58	-	-	-	-	299	245	V

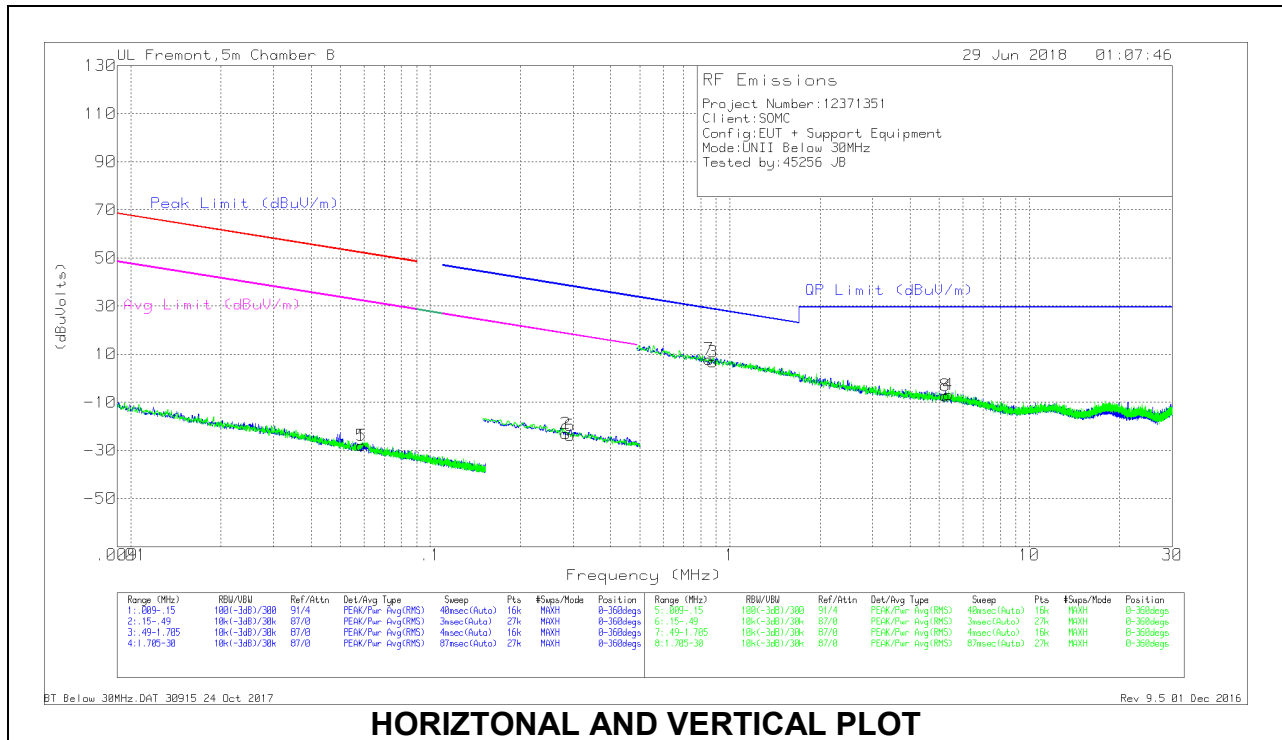
\* - indicates frequency in CFR47 Pt 15 Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

## 9.2. Worst Case Below 30 MHz

### SPURIOUS EMISSIONS 9 kHz TO 30 MHz (WORST-CASE CONFIGURATION)



**HORIZONTAL AND VERTICAL PLOT**

### Below 30 MHz Data

#### Trace Markers

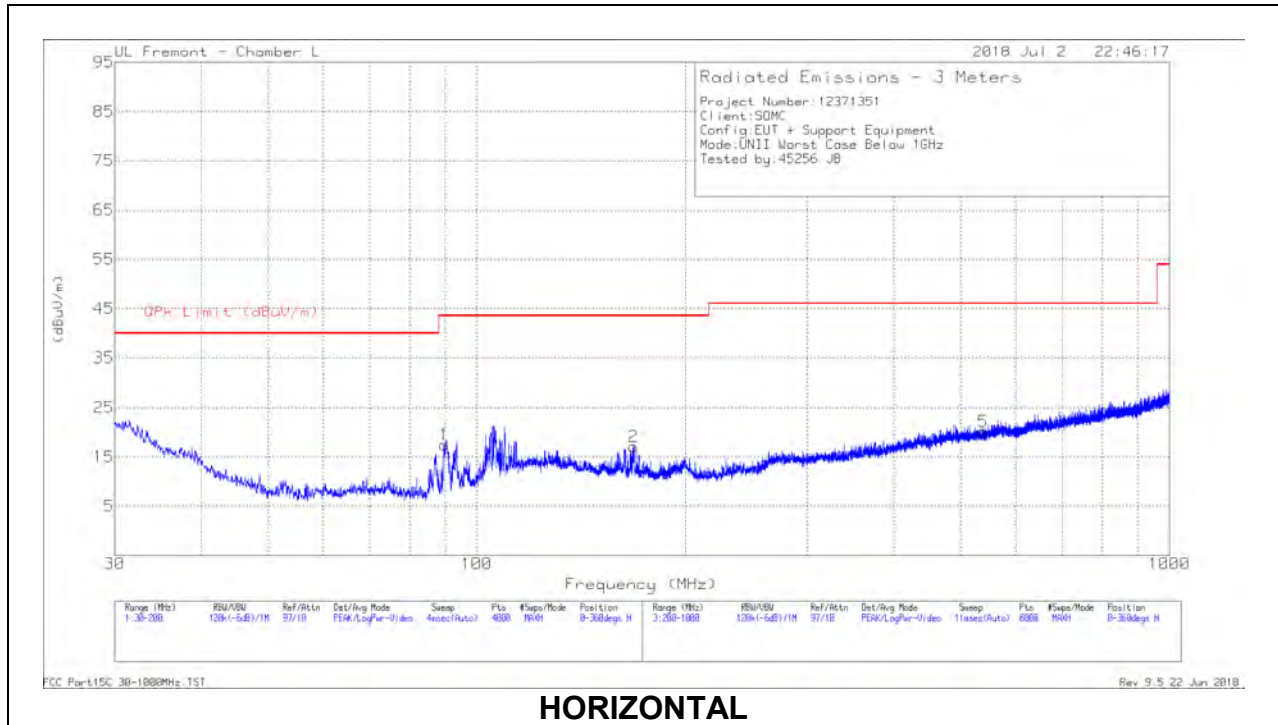
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cbl (dB)	Dist Corr 300m	Corrected Reading (dBuVolts)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
5	.059	36.04	Pk	14.5	1.4	-80	-28.06	52.17	-80.23	32.17	-60.23	-	-	-	-	0-360
1	.05901	36.12	Pk	14.5	1.4	-80	-27.98	52.17	-80.15	32.17	-60.15	-	-	-	-	0-360
2	.28348	41.67	Pk	13.8	1.5	-80	-23.03	-	-	-	-	38.56	-61.59	18.56	-41.59	0-360
6	.2931	40.88	Pk	13.8	1.5	-80	-23.82	-	-	-	-	38.27	-62.09	18.27	-42.09	0-360

#### Pk - Peak detector

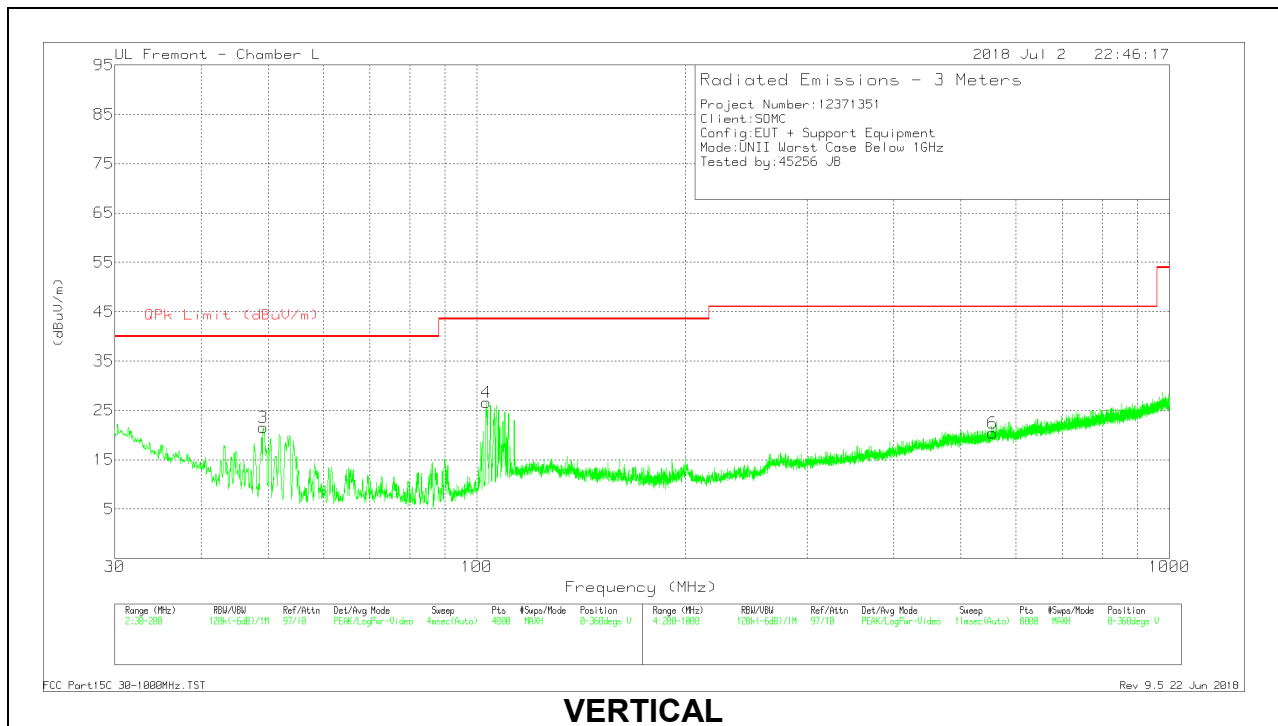
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cbl (dB)	Dist Corr (dB) 40Log	Corrected Reading (dBuVolts)	QP Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
7	.85256	32.36	Pk	14.1	1.5	-40	7.96	29	-21.04	-	-	-	-	0-360
3	.87802	31.15	Pk	14.1	1.5	-40	6.75	28.75	-22	-	-	-	-	0-360
8	5.24724	16.85	Pk	14.4	1.5	-40	-7.25	29.5	-36.75	-	-	-	-	0-360
4	5.36566	17.24	Pk	14.4	1.5	-40	-6.86	29.5	-36.36	-	-	-	-	0-360

#### Pk - Peak detector

### 9.3. Worst Case Below 1 GHz



**HORIZONTAL**



**VERTICAL**

**Below 1GHz DATA**

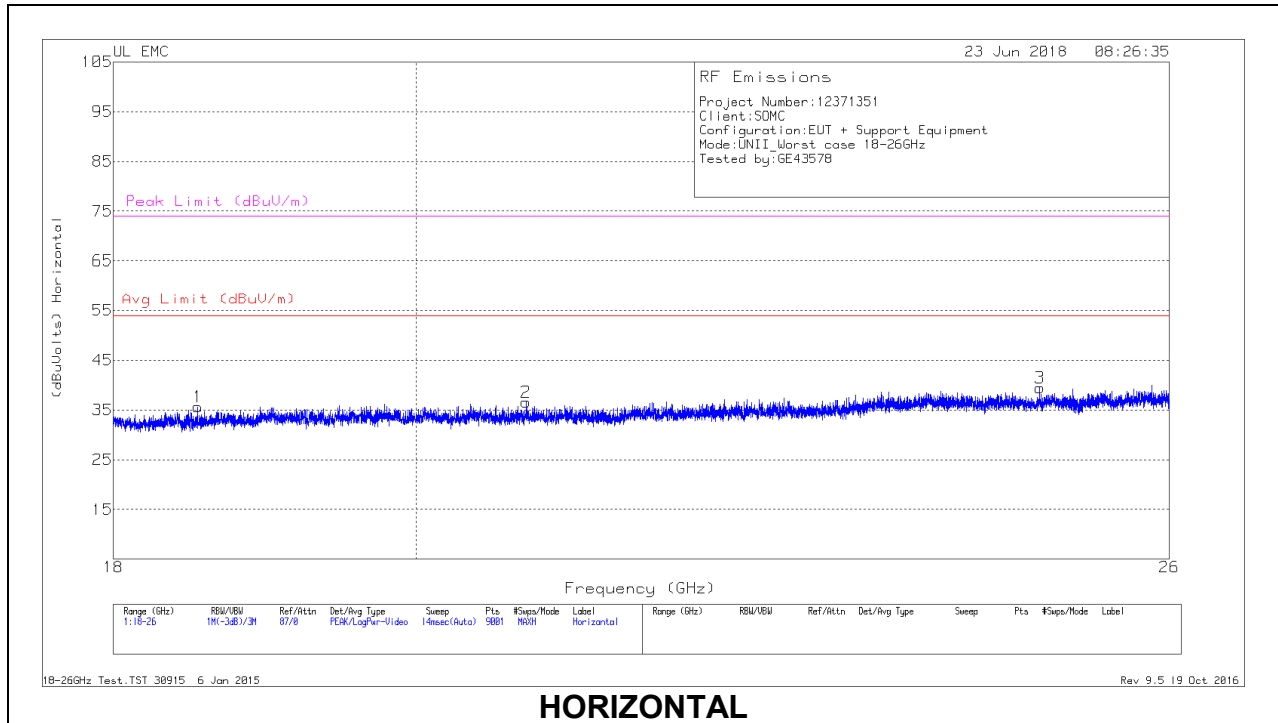
Trace Markers

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	89.728	36.42	Pk	12.1	-31	17.52	43.52	-26	0-360	299	H
2	* 168.4158	31.41	Pk	16.2	-30.5	17.11	43.52	-26.41	0-360	199	H
3	49.1725	40.01	Pk	12.9	-31.4	21.51	40	-18.49	0-360	100	V
4	103.2039	41.94	Pk	15.6	-30.9	26.64	43.52	-16.88	0-360	100	V
5	538.244	27.19	Pk	22.5	-29.5	20.19	46.02	-25.83	0-360	399	H
6	556.1463	26.93	Pk	22.8	-29.3	20.43	46.02	-25.59	0-360	299	V

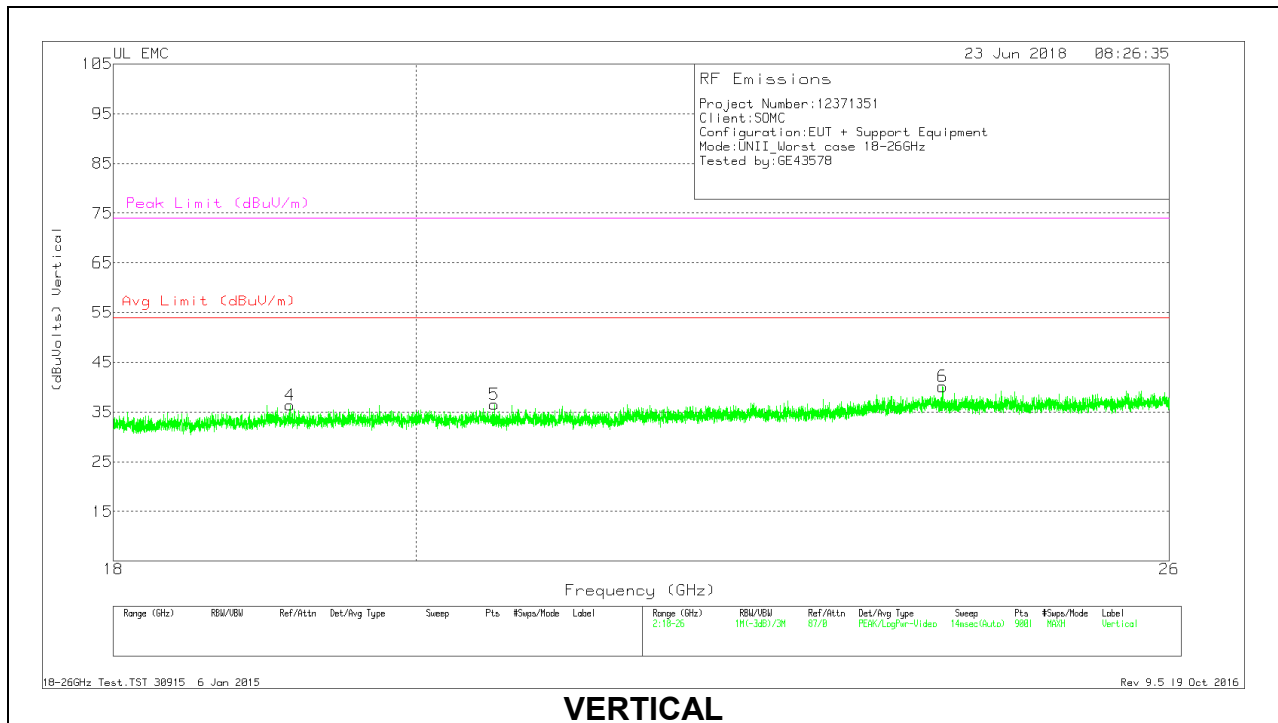
\* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

### 9.4. Worst Case 18-26 GHz



**HORIZONTAL**



**VERTICAL**

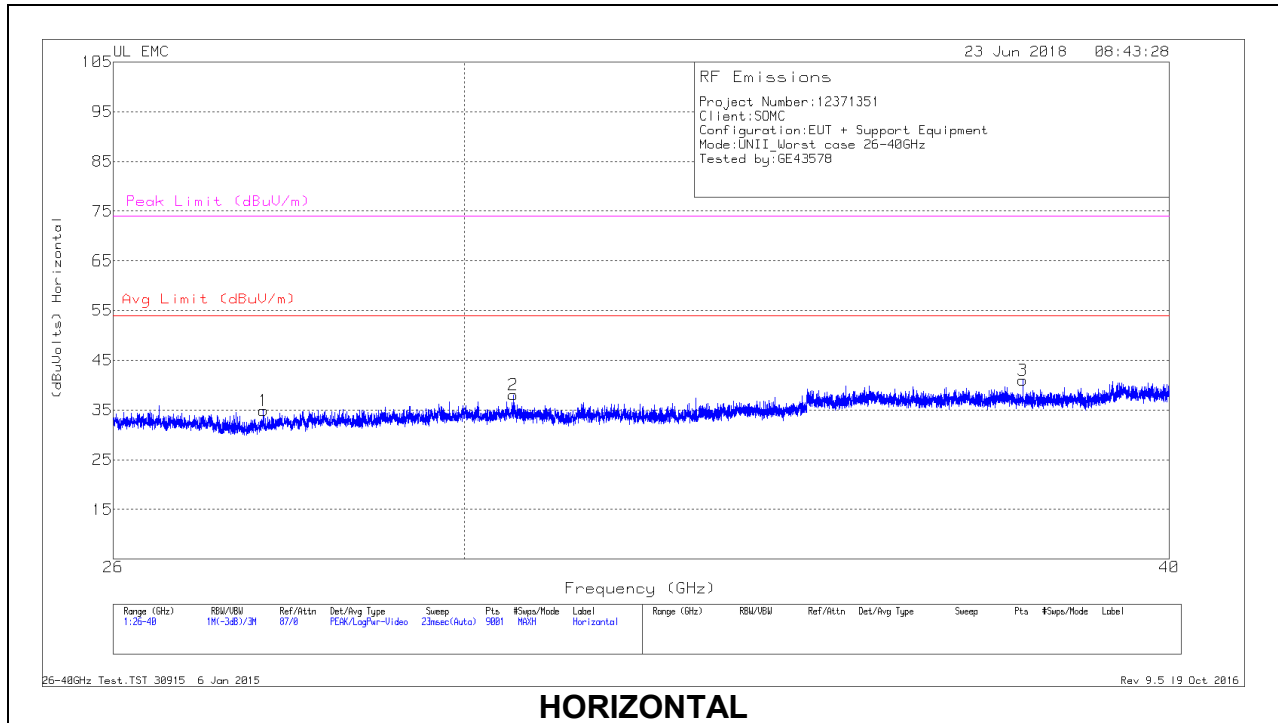
**18 – 26GHz DATA**

Trace Markers

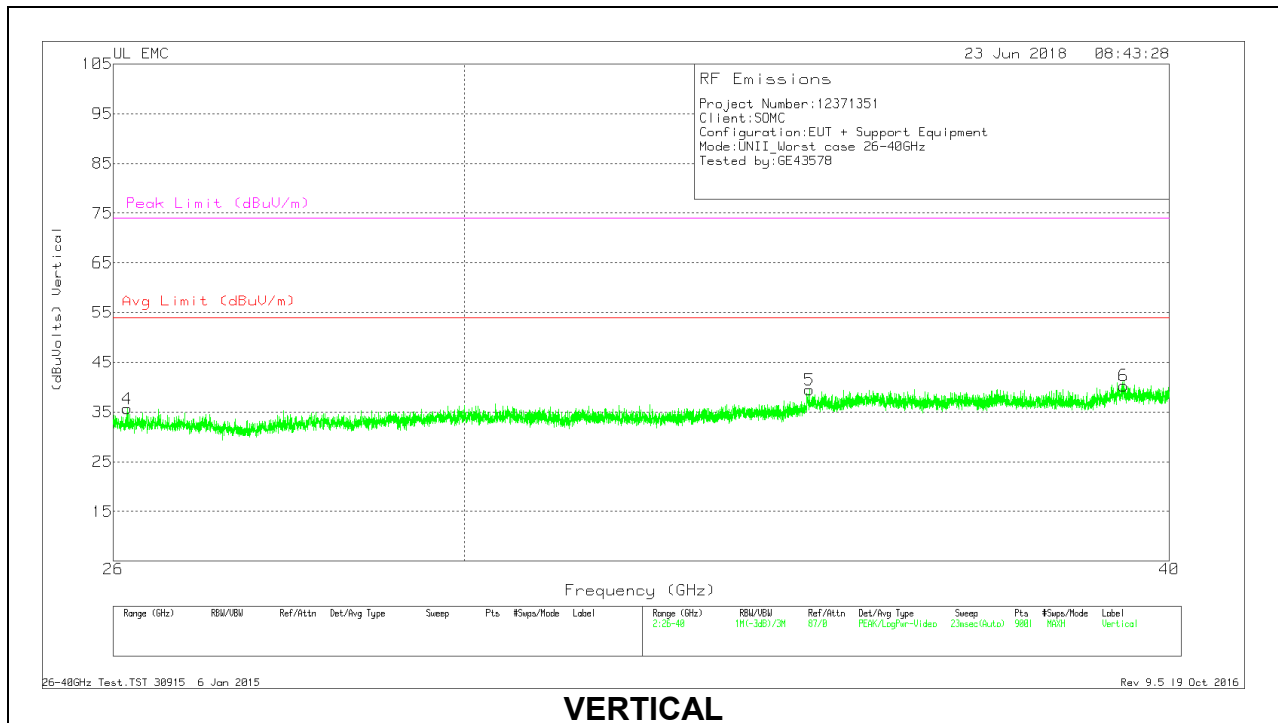
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	T89 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Corrected Reading (dBuVolts)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)
1	18.537	38.21	Pk	32.3	-25.4	-9.5	35.61	54	-18.39	74	-38.39
2	20.782	37.89	Pk	33	-24.8	-9.5	36.59	54	-17.41	74	-37.41
3	24.852	39.06	Pk	34.2	-24.3	-9.5	39.46	54	-14.54	74	-34.54
4	19.141	37.95	Pk	32.6	-24.7	-9.5	36.35	54	-17.65	74	-37.65
5	20.554	38.31	Pk	33.1	-25.4	-9.5	36.51	54	-17.49	74	-37.49
6	24.026	39.82	Pk	33.9	-24.1	-9.5	40.12	54	-13.88	74	-33.88

Pk - Peak detector

### 9.5. Worst Case 26-40 GHz



**HORIZONTAL**



**VERTICAL**

**26 – 40GHz 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	27.641	42.03	Pk	35.8	-33.4	-9.5	34.93	54	-19.07	74	-39.07
2	30.609	42.52	Pk	36.1	-31.1	-9.5	38.02	54	-15.98	74	-35.98
3	37.678	44.28	Pk	37	-30.8	-9.5	40.98	54	-13.02	74	-33.02
4	26.148	44.89	Pk	35.6	-35.3	-9.5	35.69	54	-18.31	74	-38.31
5	34.537	43.19	Pk	37.4	-31.6	-9.5	39.49	54	-14.51	74	-34.51
6	39.261	41.69	Pk	38.6	-30.5	-9.5	40.29	54	-13.71	74	-33.71

Pk - Peak detector



## 10. 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.

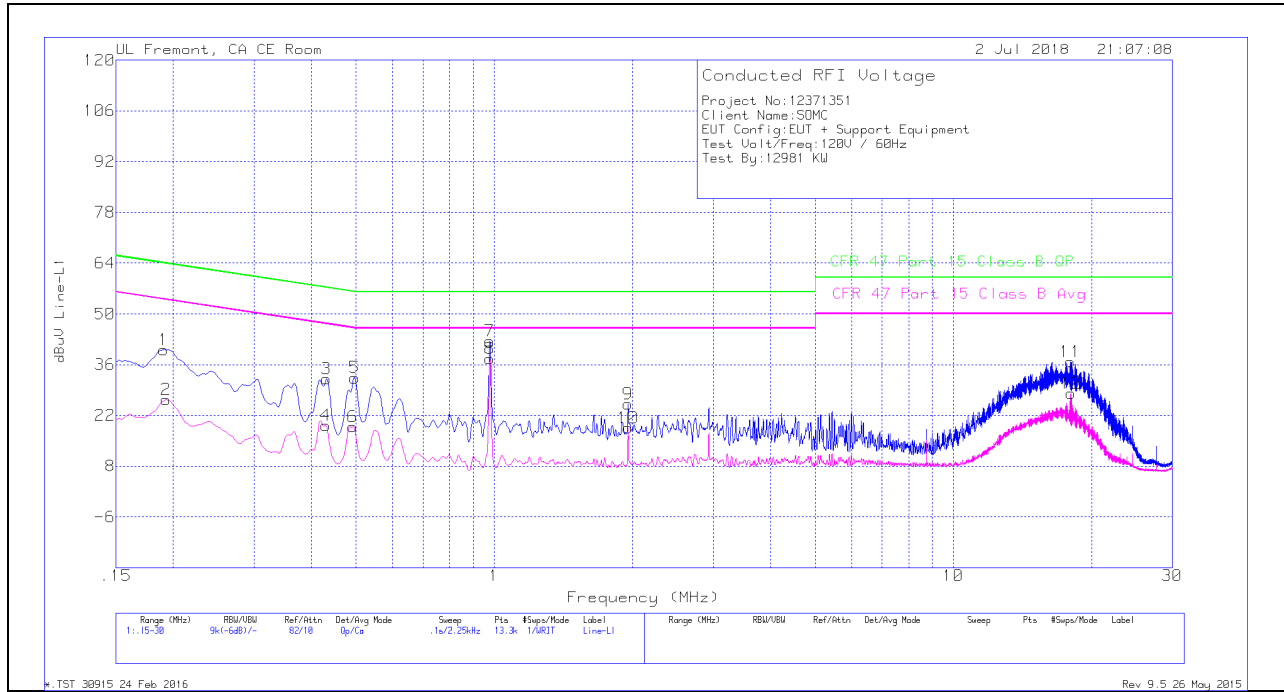
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

### RESULTS

**10.1.1. AC Power Line Norm**

**LINE 1 RESULTS**



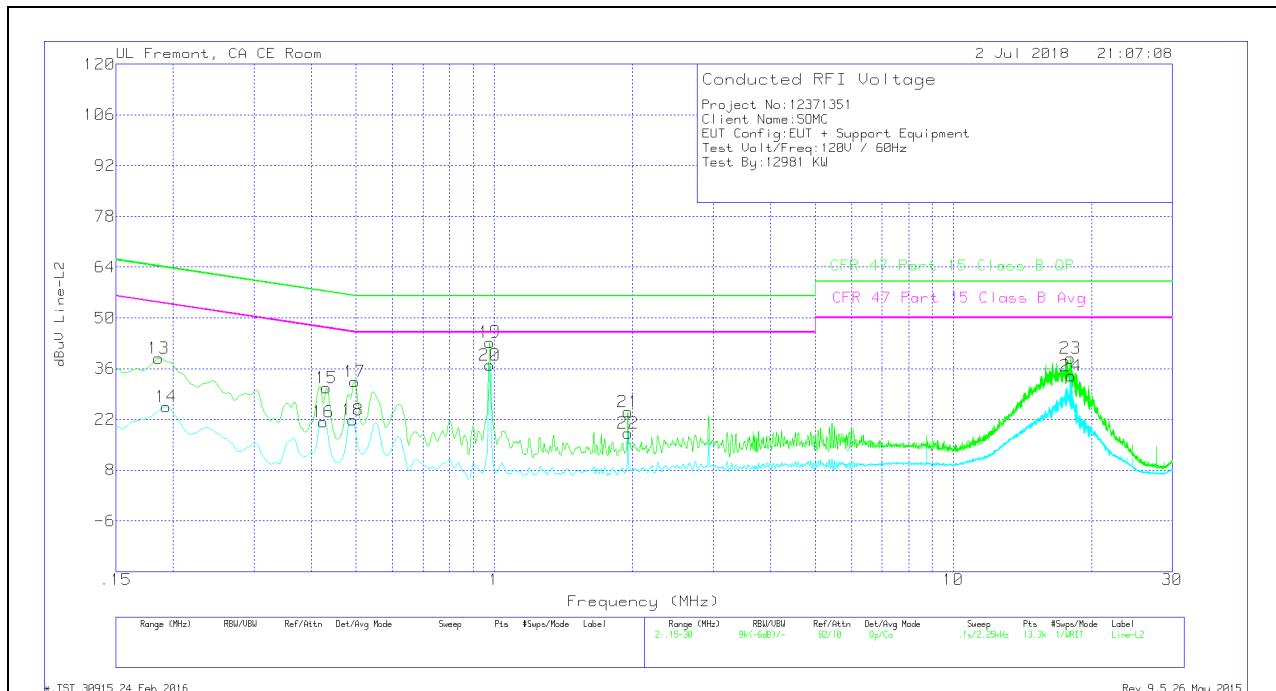
**Trace Markers**

Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L1	LC Cables C1&C3	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	.1905	29.99	Qp	0	0	10.1	40.09	64.01	-23.92	-	-
2	.19275	16.19	Ca	0	0	10.1	26.29	-	-	53.92	-27.63
3	.43125	21.92	Qp	0	0	10.1	32.02	57.23	-25.21	-	-
4	.429	9.09	Ca	0	0	10.1	19.19	-	-	47.27	-28.08
5	.4965	22.26	Qp	0	0	10.1	32.36	56.06	-23.7	-	-
6	.492	8.85	Ca	0	0	10.1	18.95	-	-	46.13	-27.18
7	.978	32.35	Qp	0	.1	10.1	42.55	56	-13.45	-	-
8	.978	27.5	Ca	0	.1	10.1	37.7	-	-	46	-8.3
9	1.95675	14.95	Qp	0	.1	10.1	25.15	56	-30.85	-	-
10	1.95675	8.39	Ca	0	.1	10.1	18.59	-	-	46	-27.41
11	17.99475	26.11	Qp	.1	.3	10.3	36.81	60	-23.19	-	-
12	18.06	17.38	Ca	.1	.3	10.3	28.08	-	-	50	-21.92

Qp - Quasi-Peak detector

Ca - CISPR average detection

### LINE 2 RESULTS



#### Trace Markers

Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L2	LC Cables C2&C3	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)
13	.186	28.83	Qp	0	0	10.1	38.93	64.21	-25.28	-	-
14	.19275	15.32	Ca	0	0	10.1	25.42	-	-	53.92	-28.5
15	.43125	20.58	Qp	0	0	10.1	30.68	57.23	-26.55	-	-
16	.4245	11.16	Ca	0	0	10.1	21.26	-	-	47.36	-26.1
17	.4965	22.32	Qp	0	0	10.1	32.42	56.06	-23.64	-	-
18	.492	11.73	Ca	0	0	10.1	21.83	-	-	46.13	-24.3
19	.978	33.1	Qp	0	.1	10.1	43.3	56	-12.7	-	-
20	.978	26.8	Ca	0	.1	10.1	37	-	-	46	-9
21	1.9545	13.82	Qp	0	.1	10.1	24.02	56	-31.98	-	-
22	1.9545	7.96	Ca	0	.1	10.1	18.16	-	-	46	-27.84
23	17.9925	28.15	Qp	.1	.3	10.3	38.85	60	-21.15	-	-
24	18.05775	23.33	Ca	.1	.3	10.3	34.03	-	-	50	-15.97

Qp - Quasi-Peak detector

Ca - CISPR average detection