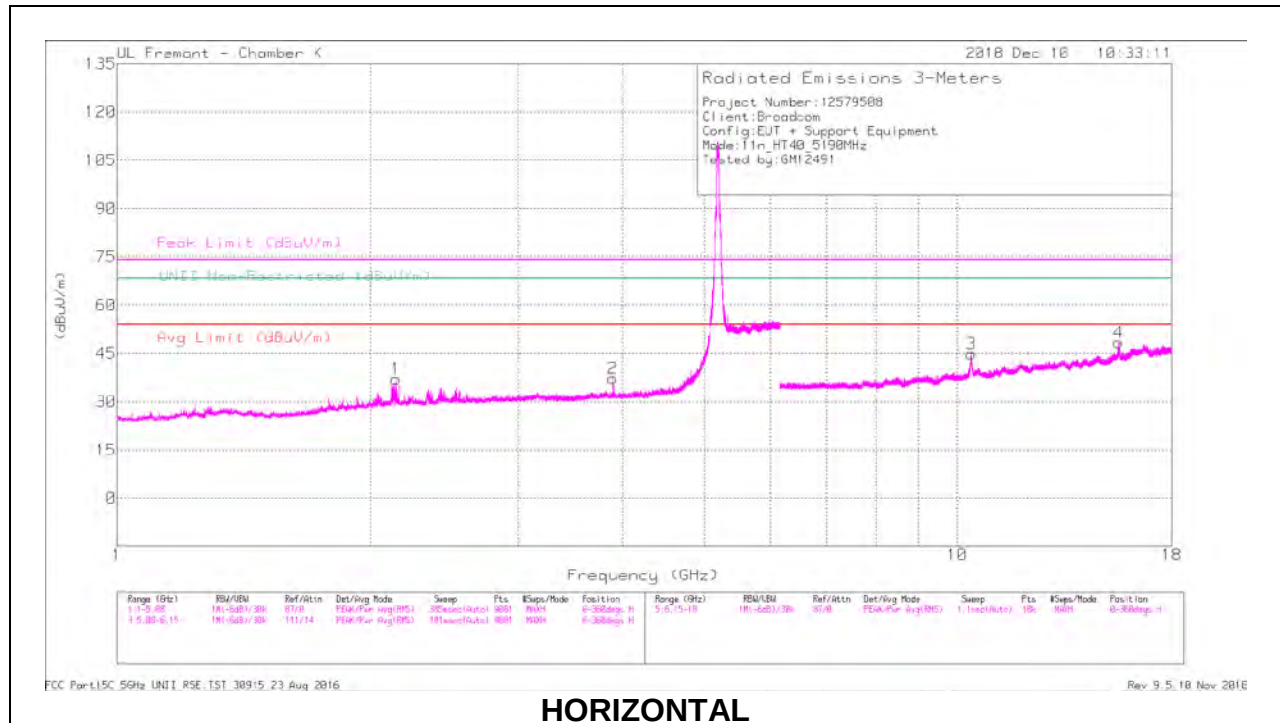
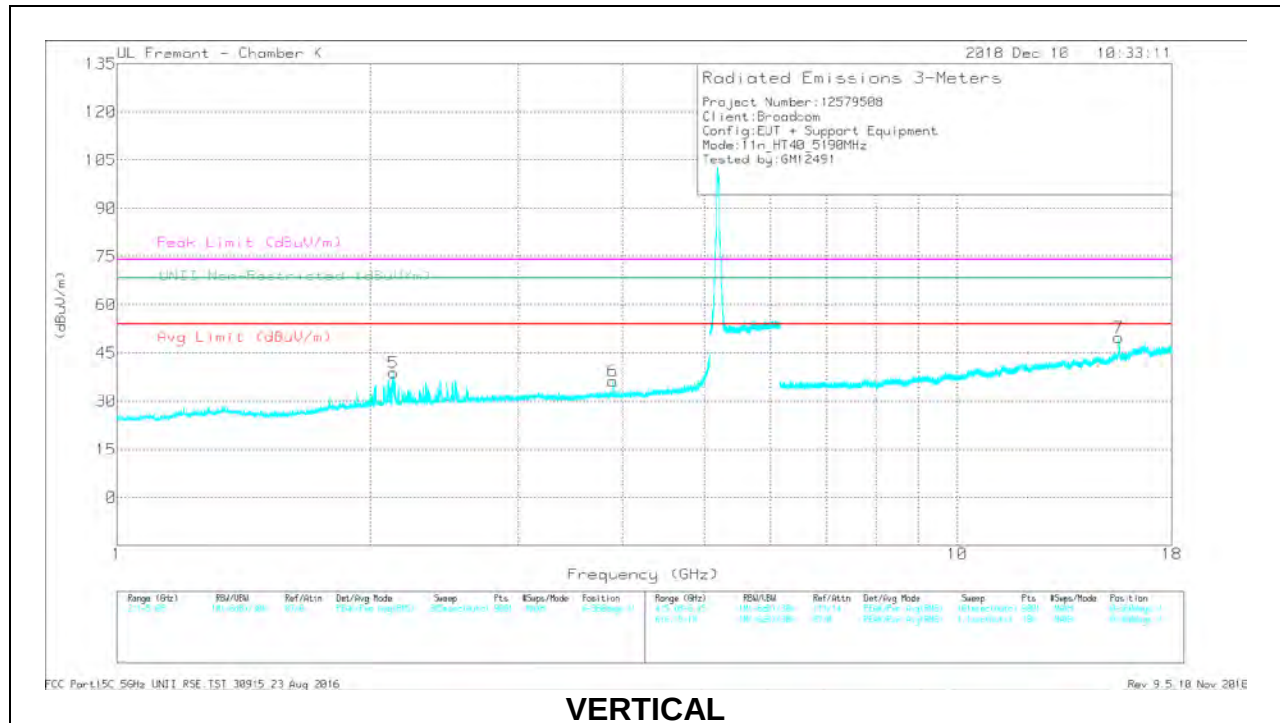


CHANNEL 38 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

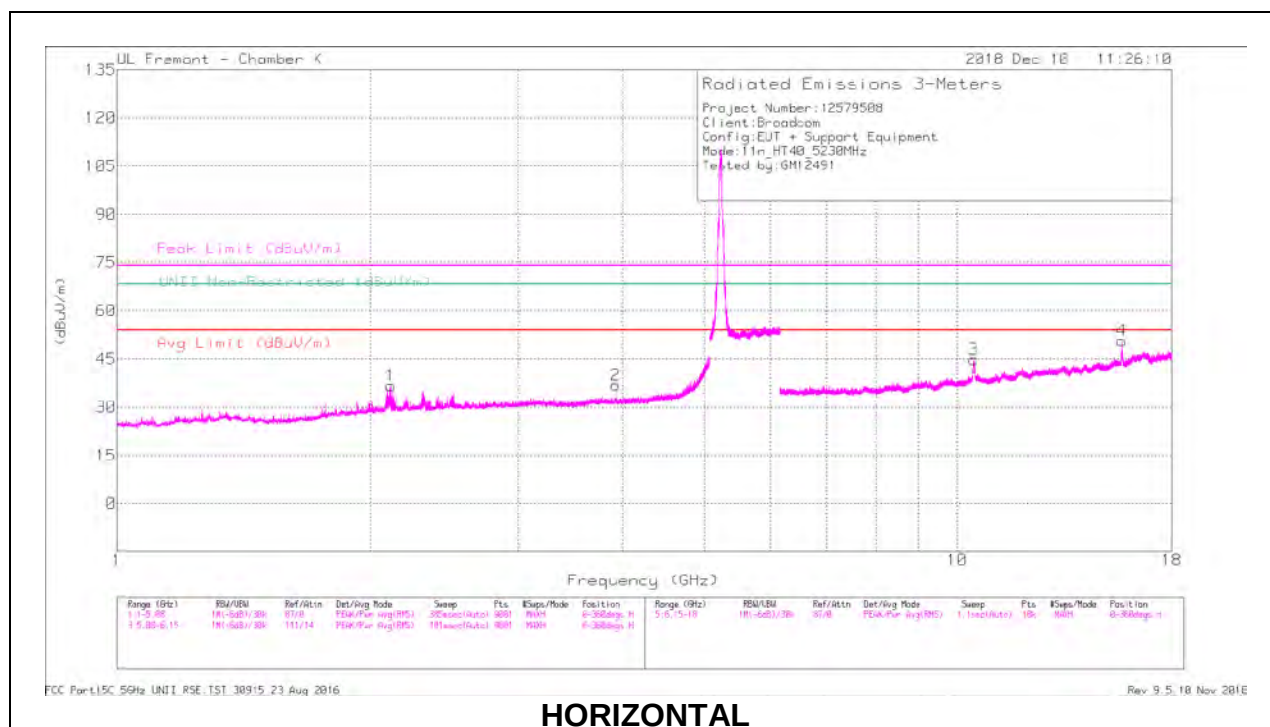
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/FittrPa d (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.146	48.58	PK-U	31.6	-35.1	45.08	-	-	-	-	68.2	-23.12	200	171	H
2.145	31.88	ADR	31.6	-35.1	28.38	-	-	-	-	-	-	200	171	H
* 3.892	40.05	PK-U	33.4	-31.7	41.75	-	-	74	-32.25	-	-	321	102	H
* 3.892	34.74	ADR	33.4	-31.7	36.44	54	-17.56	-	-	-	-	321	102	H
2.132	47.97	PK-U	31.6	-35.2	44.37	-	-	-	-	68.2	-23.83	170	193	V
2.13	31.18	ADR	31.6	-35.2	27.58	-	-	-	-	-	-	170	193	V
* 3.893	39.61	PK-U	33.4	-31.7	41.31	-	-	74	-32.69	-	-	230	194	V
* 3.892	32.71	ADR	33.4	-31.7	34.41	54	-19.59	-	-	-	-	230	194	V
10.393	38.07	PK-U	37.4	-23	52.47	-	-	-	-	68.2	-15.73	353	175	H
10.394	28.45	ADR	37.4	-23	42.85	-	-	-	-	-	-	353	175	H
* 15.562	34.03	PK-U	40.7	-18.7	56.03	-	-	74	-17.97	-	-	348	138	H
* 15.562	25.12	ADR	40.7	-18.7	47.12	54	-6.88	-	-	-	-	348	138	H
* 15.566	34.32	PK-U	40.7	-18.6	56.42	-	-	74	-17.58	-	-	210	211	V
* 15.569	25.93	ADR	40.7	-18.6	48.03	54	-5.97	-	-	-	-	210	211	V

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

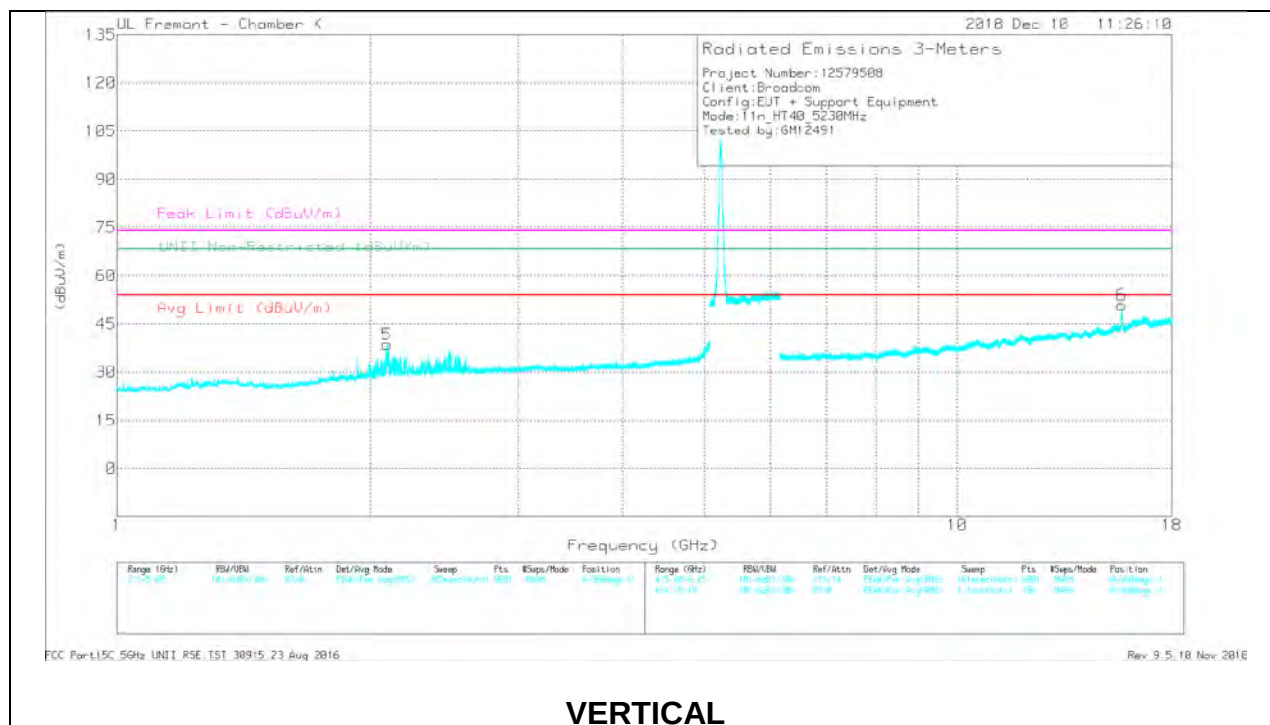
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

CHANNEL 46 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Frequency (GHz)	Meter Reading (dBuV)	Det	AF-T344 (dB/m)	Amp/Cbl/Fittr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.118	48.94	PK-U	31.6	-35.2	45.34	-	-	-	-	68.2	-22.86	195	376	H
2.117	32.15	ADR	31.6	-35.2	28.55	-	-	-	-	-	-	195	376	H
* 3.922	39.79	PK-U	33.4	-31.6	41.59	-	-	74	-32.41	-	-	333	139	H
* 3.922	33.39	ADR	33.4	-31.6	35.19	54	-18.81	-	-	-	-	333	139	H
2.096	49.82	PK-U	31.6	-35.1	46.32	-	-	-	-	68.2	-21.88	131	186	V
2.095	32.58	ADR	31.6	-35.1	29.08	-	-	-	-	-	-	131	186	V
10.466	38.34	PK-U	37.5	-22.9	52.94	-	-	-	-	68.2	-15.26	355	180	H
10.466	28.52	ADR	37.5	-22.9	43.12	-	-	-	-	-	-	355	180	H
* 15.687	33.12	PK-U	40.8	-18.2	55.72	-	-	74	-18.28	-	-	52	138	H
* 15.684	24.21	ADR	40.8	-18.2	46.81	54	-7.19	-	-	-	-	52	138	H
* 15.684	33.84	PK-U	40.8	-18.2	56.44	-	-	74	-17.56	-	-	212	194	V
* 15.685	24.38	ADR	40.8	-18.2	46.98	54	-7.02	-	-	-	-	212	194	V

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

PK-U - U-NII: Maximum Peak

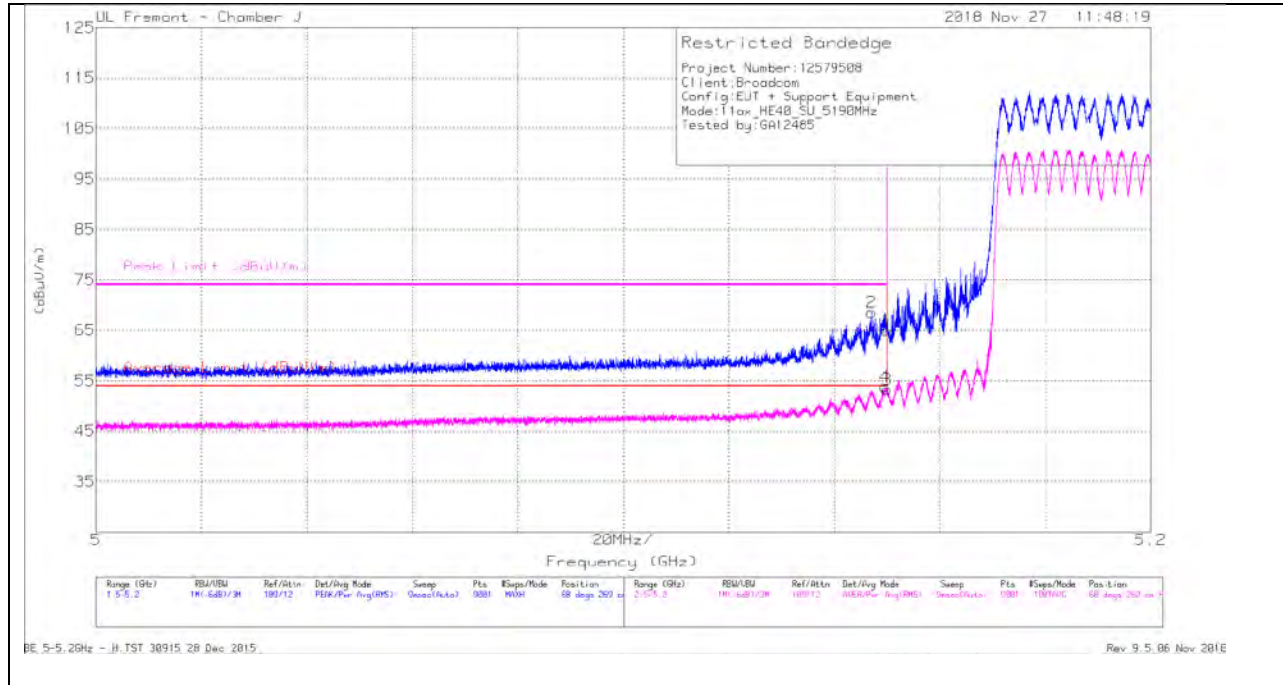
ADR - U-NII AD primary method, RMS average

9.1.4. TX ABOVE 1 GHz 802.11ax HE40 MODE IN THE 5.2 GHz BAND

2TX Antenna 1 + Antenna 2 CDD MODE

BANDEDGE (CHANNEL 38)

HORIZONTAL RESULT



Trace Markers

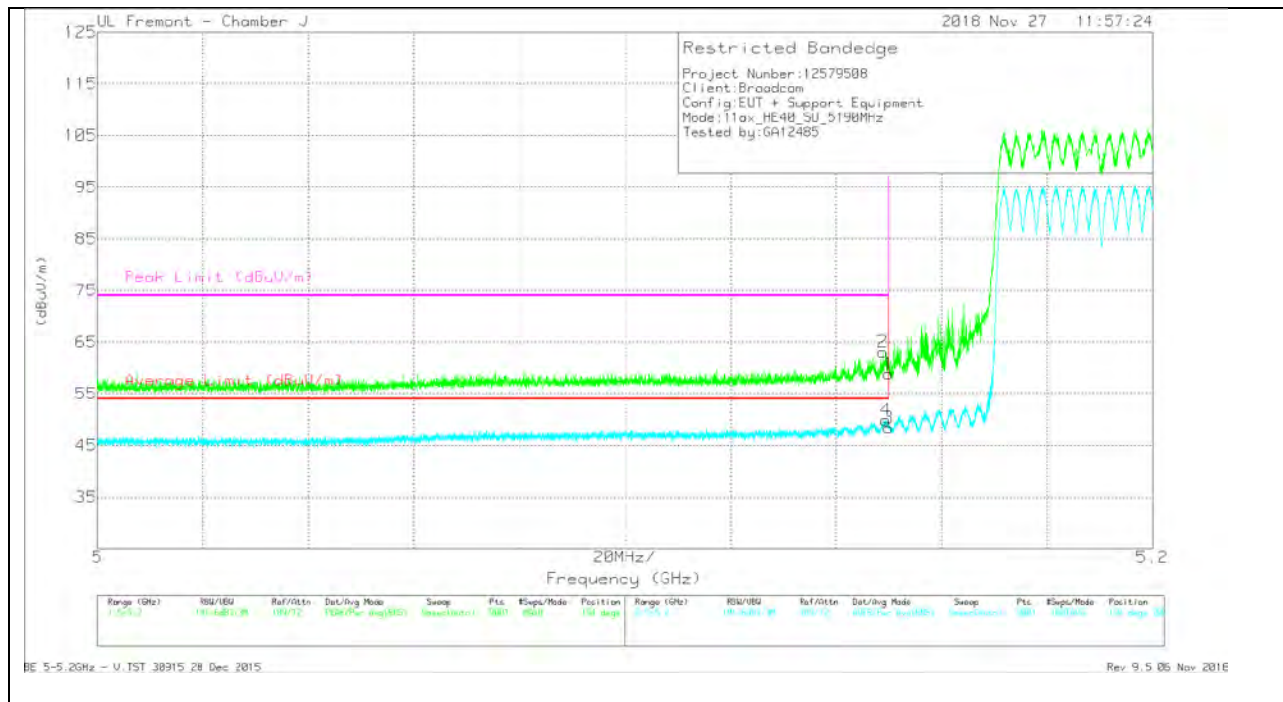
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dB/m)	Amp/Cbl/Ftr /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	39.81	Pk	34.2	-9.1	64.91	-	-	74	-9.09	68	269	H
2	* 5.147	43.46	Pk	34.2	-9.1	68.56	-	-	74	-5.44	68	269	H
3	* 5.15	28.19	RMS	34.2	-9.1	53.29	54	-7.1	-	-	68	269	H
4	* 5.15	28.62	RMS	34.2	-9.1	53.72	54	-28	-	-	68	269	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



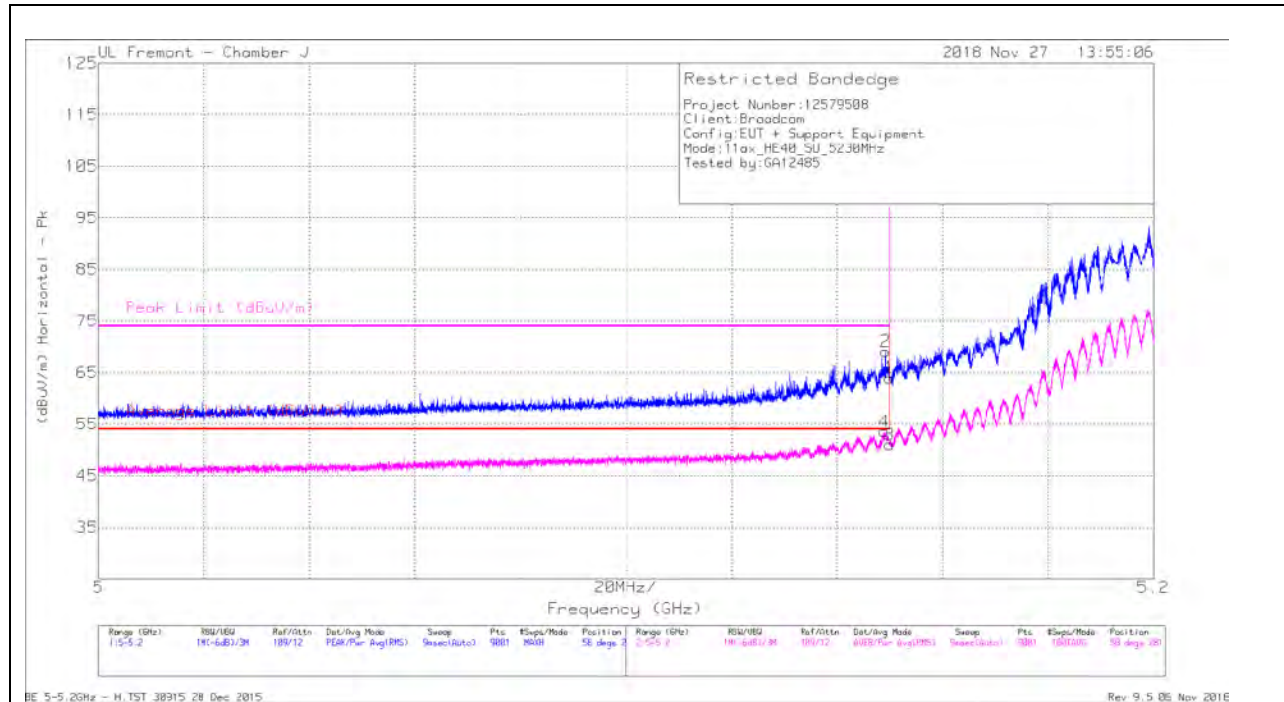
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dB/m)	Ampl/Cbl/Fitr /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	33.77	Pk	34.2	-9.1	58.87	-	-	74	-15.13	194	290	V
2	* 5.149	38.03	Pk	34.2	-9.1	63.13	-	-	74	-10.87	194	290	V
3	* 5.15	23.3	RMS	34.2	-9.1	48.4	54	-5.6	-	-	194	290	V
4	* 5.149	24.81	RMS	34.2	-9.1	49.91	54	-4.09	-	-	194	290	V

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

Pk - Peak detector

RMS - RMS detection

BANEDGE (CHANNEL 46)**HORIZONTAL RESULT****Trace Markers**

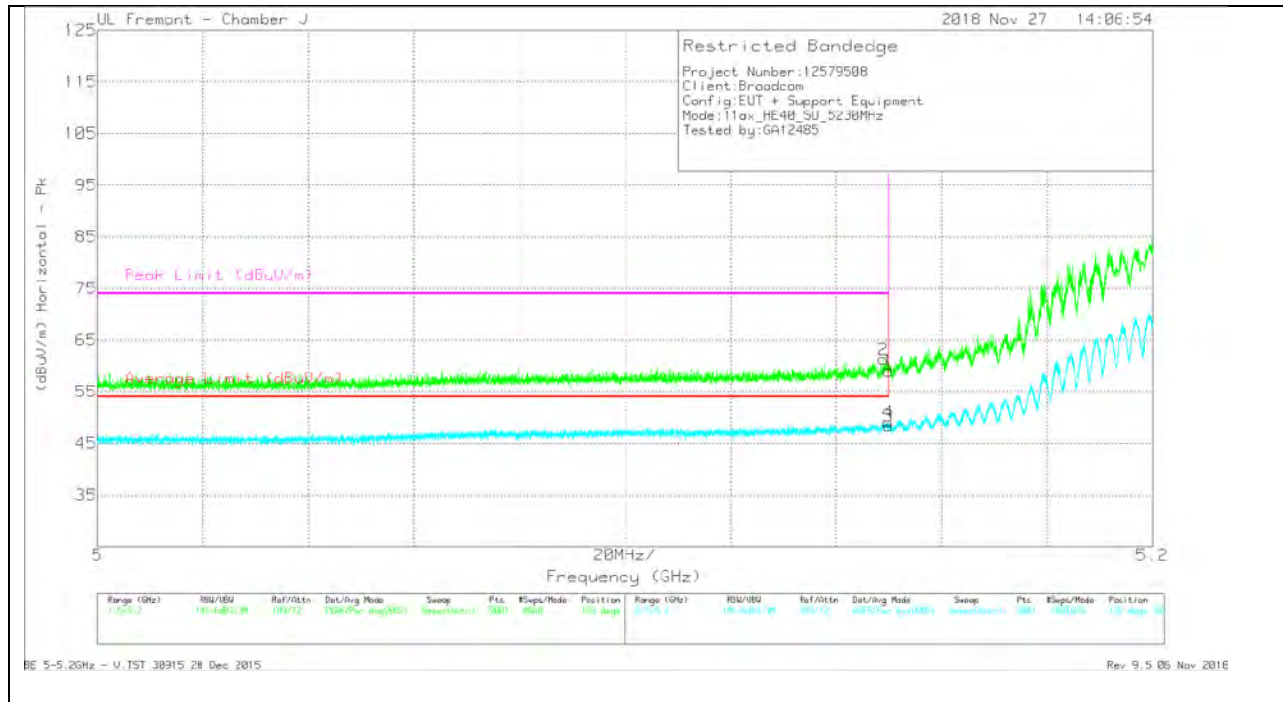
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dBm)	Ampl/Cbl/Ftr /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	38.88	Pk	34.2	-9.1	63.98	-	-	74	-10.02	58	281	H
2	* 5.149	44	Pk	34.2	-9.1	69.1	-	-	74	-4.9	58	281	H
3	* 5.15	25.92	RMS	34.2	-9.1	51.02	54	-2.98	-	-	58	281	H
4	* 5.149	28.49	RMS	34.2	-9.1	53.59	54	-4.1	-	-	58	281	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dB/m)	Ampl/Cbl/Ftr /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	33.95	Pk	34.2	-9.1	59.05	-	-	74	-14.95	193	289	V
2	* 5.149	36.15	Pk	34.2	-9.1	61.25	-	-	74	-12.75	193	289	V
3	* 5.15	23.24	RMS	34.2	-9.1	48.34	54	-5.66	-	-	193	289	V
4	* 5.15	23.98	RMS	34.2	-9.1	49.08	54	-4.92	-	-	193	289	V

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

Pk - Peak detector

RMS - RMS detection

CHANNEL 38 RESULTS



RADIATED EMISSIONS

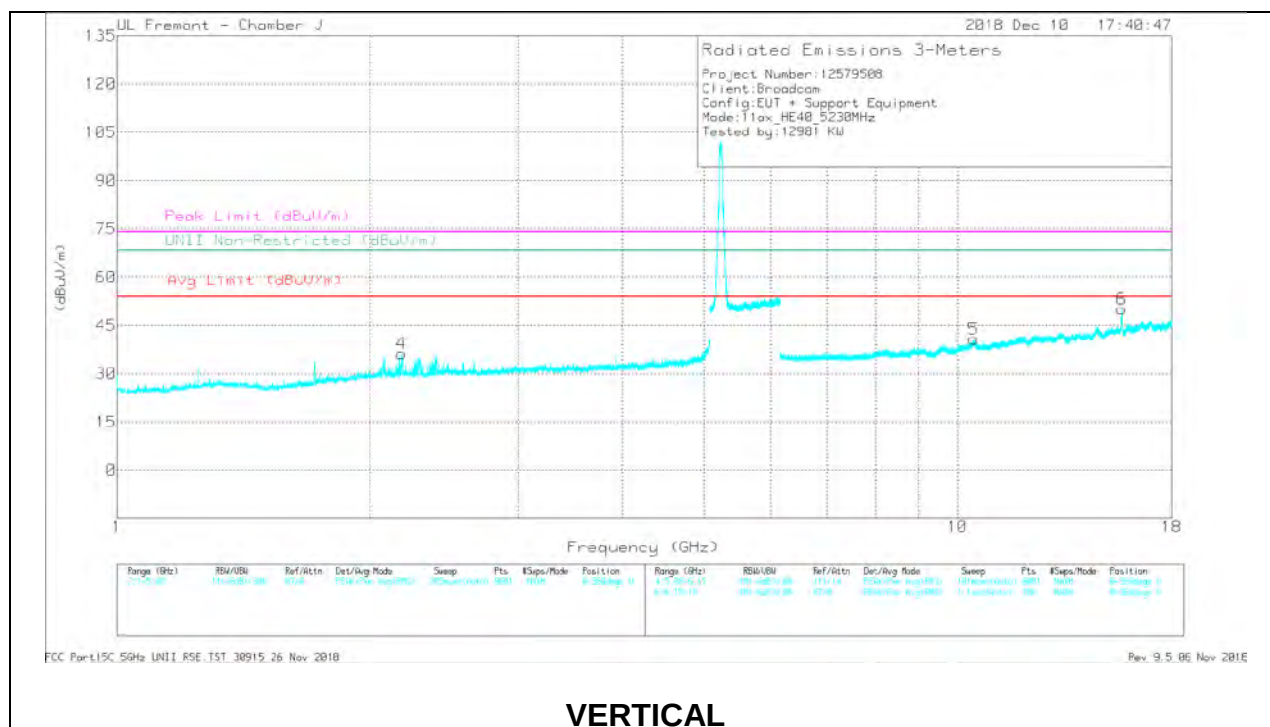
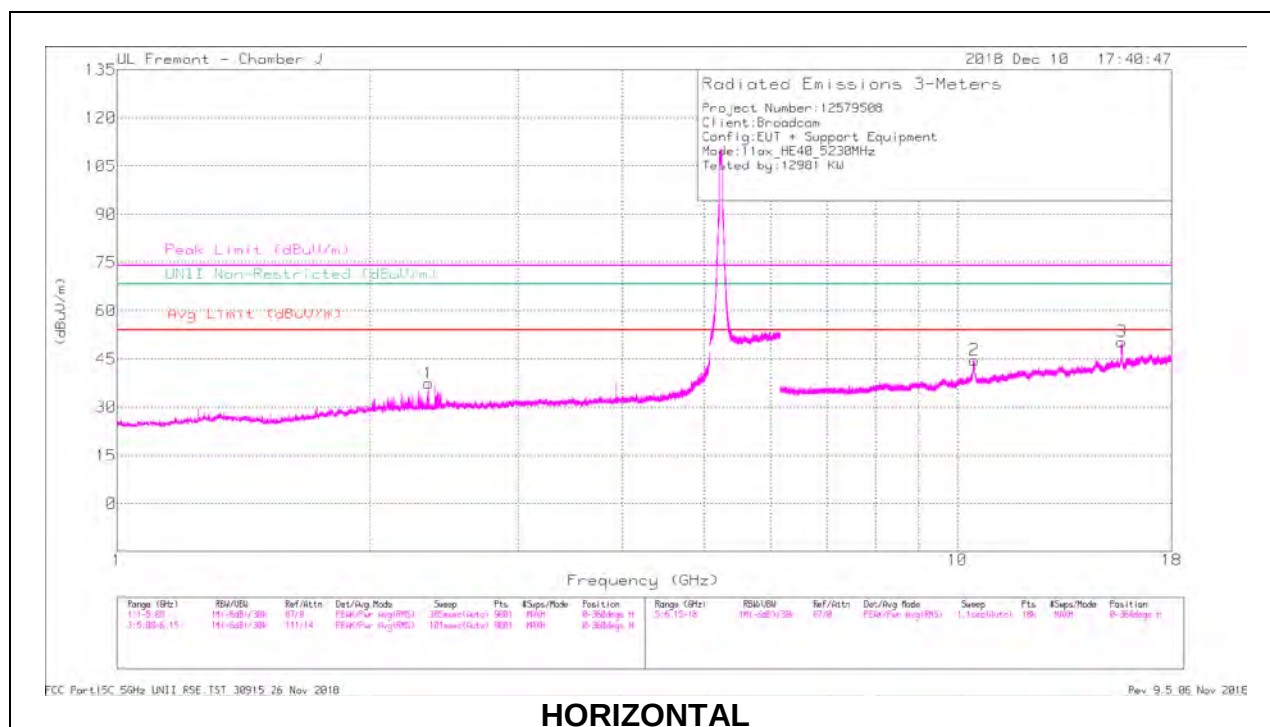
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dBm)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.367	48.41	PK-U	31.9	-35.5	44.81	-	-	74	-29.19	-	-	227	200	H
	* 2.364	32.55	ADR	31.9	-35.5	28.95	54	-25.05	-	-	-	-	227	200	H
4	* 1.25	43.74	PK-U	29	-35.8	36.94	-	-	74	-37.06	-	-	149	165	V
	* 1.25	39.42	ADR	29	-35.8	32.62	54	-21.38	-	-	-	-	149	165	V
5	2.142	46.73	PK-U	31.8	-35.5	43.03	-	-	-	-	68.2	-25.17	166	393	V
2	10.386	39.64	PK-U	37.5	-25.3	51.84	-	-	-	-	68.2	-16.36	53	333	H
3	* 15.56	41.73	PK-U	40.2	-20.5	61.43	-	-	74	-12.57	-	-	37	196	H
	* 15.56	33.57	ADR	40.2	-20.5	53.27	54	-.73	-	-	-	-	37	196	H
6	* 15.56	44.77	PK-U	40.2	-20.5	64.47	-	-	74	-9.53	-	-	219	213	V
	* 15.562	30.21	ADR	40.2	-20.5	49.91	54	-4.09	-	-	-	-	219	213	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

CHANNEL 46 RESULTS



RADIATED EMISSIONS

Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dB/m)	Amp/Cbl/FitriPa d (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.348	47.06	PK-U	31.9	-35.4	43.56	-	-	74	-30.44	-	-	354	130	H
* 2.347	31.94	ADR	31.9	-35.4	28.44	54	-25.56	-	-	-	-	354	130	H
2.181	46.14	PK-U	31.8	-35.6	42.34	-	-	-	-	68.2	-25.86	161	129	V
* 15.677	41.04	PK-U	40.3	-20.4	60.94	-	-	74	-13.06	-	-	42	136	H
* 15.676	30.4	ADR	40.3	-20.4	50.3	54	-3.7	-	-	-	-	42	136	H
10.476	41.08	PK-U	37.5	-25.3	53.28	-	-	-	-	68.2	-14.92	49	338	H
* 15.691	38.07	PK-U	40.4	-20.4	58.07	-	-	74	-15.93	-	-	207	296	V
* 15.69	28.46	ADR	40.4	-20.4	48.46	54	-5.54	-	-	-	-	207	296	V
10.459	38.19	PK-U	37.5	-25.1	50.59	-	-	-	-	68.2	-17.61	59	376	V

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

PK-U - U-NII: Maximum Peak

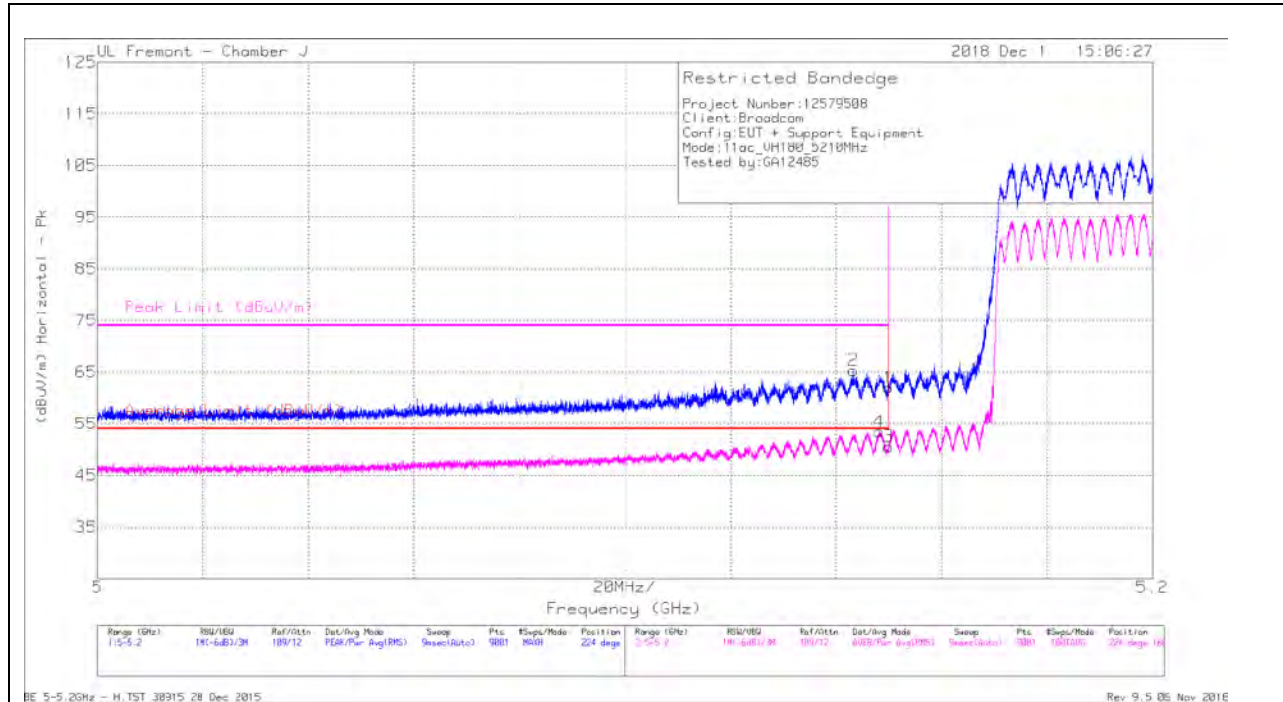
ADR - U-NII AD primary method, RMS average

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

2TX Antenna 1 + Antenna 2 CDD MODE

BANDEDGE (CHANNEL 42)

HORIZONTAL RESULT



Trace Markers

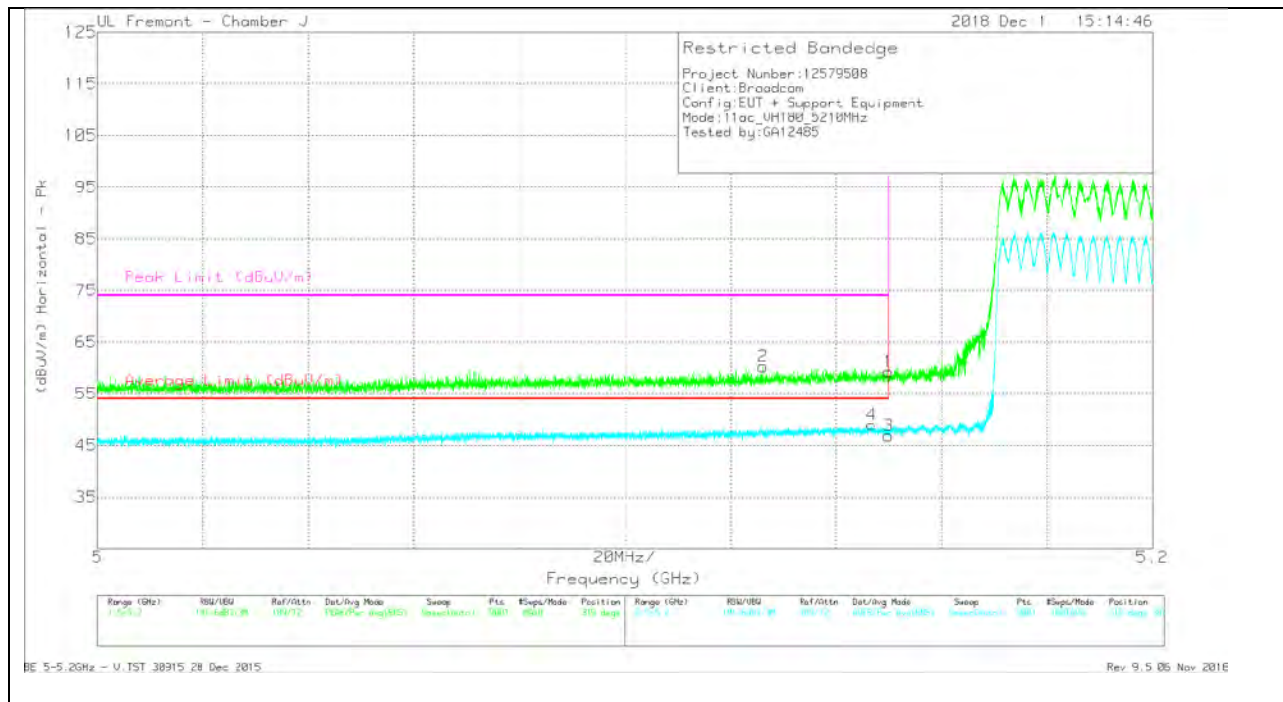
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dBm)	Amp/Cbl/Ftr /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	36.9	Pk	34.2	-9.1	62	-	-	74	-12	224	166	H
2	* 5.143	40.11	Pk	34.2	-9	65.31	-	-	74	-8.69	224	166	H
3	* 5.15	25.49	RMS	34.2	-9.1	50.59	54	-3.41	-	-	224	166	H
4	* 5.148	28.37	RMS	34.2	-9.1	53.47	54	-53	-	-	224	166	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dBm)	Amp/Cbl/Ftr /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	34.15	Pk	34.2	-9.1	59.25	-	-	74	-14.75	319	387	V
2	* 5.126	35.25	Pk	34.1	-9.1	60.25	-	-	74	-13.75	319	387	V
3	* 5.15	21.77	RMS	34.2	-9.1	46.87	54	-7.13	-	-	319	387	V
4	* 5.147	23.75	RMS	34.2	-9	48.95	54	-5.05	-	-	319	387	V

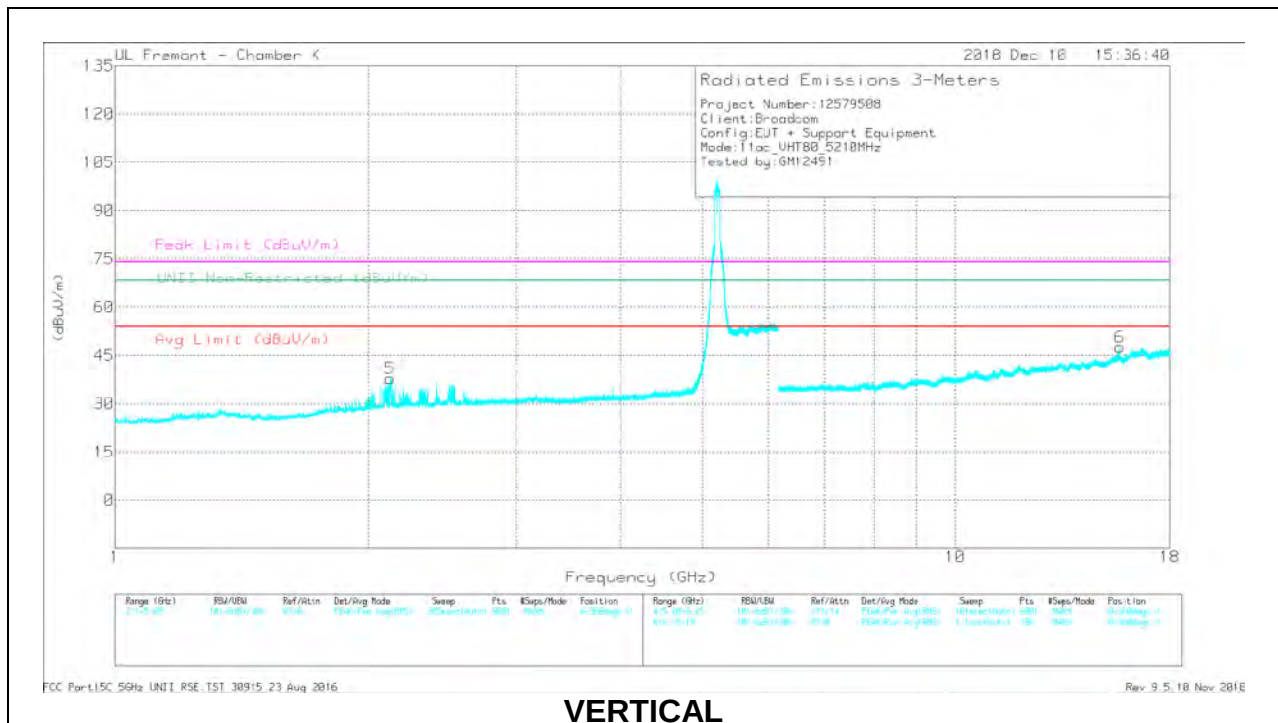
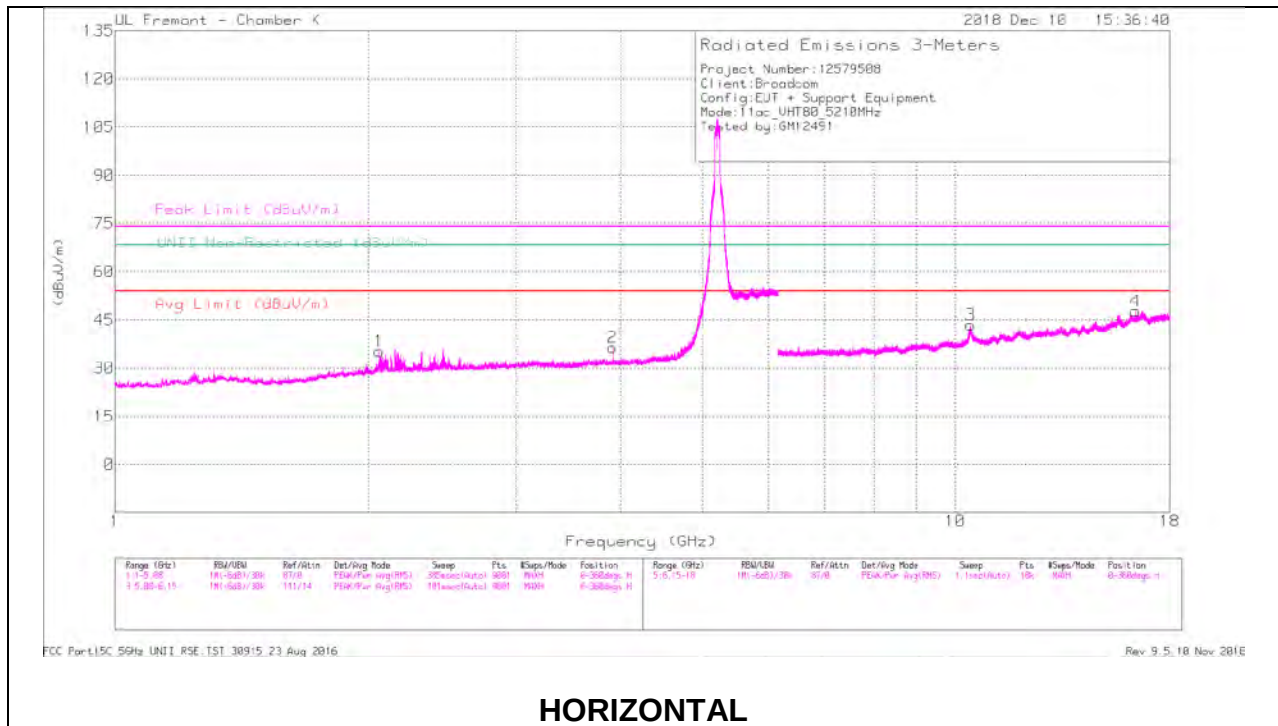
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

CHANNEL 42 RESULTS



RADIATED EMISSIONS

Frequency (GHz)	Meter Reading (dBuV)	Det	AF-T344 (dB/m)	Amp/Cbl/Filtr/Pa d (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.064	48.53	PK-U	31.3	-35.2	44.63	-	-	-	-	68.2	-23.57	198	400	H
2.065	31.54	ADR	31.3	-35.2	27.64	-	-	-	-	-	-	198	400	H
* 3.908	40.37	PK-U	33.4	-31.6	42.17	-	-	74	-31.83	-	-	336	188	H
* 3.907	33.33	ADR	33.4	-31.6	35.13	54	-18.87	-	-	-	-	336	188	H
2.125	50.54	PK-U	31.6	-35.2	46.94	-	-	-	-	68.2	-21.26	151	244	V
2.127	31.34	ADR	31.6	-35.2	27.74	-	-	-	-	-	-	151	244	V
10.426	36.05	PK-U	37.5	-23	50.55	-	-	-	-	68.2	-17.65	355	181	H
10.428	26.18	ADR	37.5	-23	40.68	-	-	-	-	-	-	355	181	H
16.392	28.17	PK-U	41.8	-17.5	52.47	-	-	-	-	68.2	-15.73	262	136	H
16.389	19.05	ADR	41.7	-17.6	43.15	-	-	-	-	-	-	262	136	H
* 15.678	33.15	PK-U	40.8	-18.2	55.75	-	-	74	-18.25	-	-	282	197	V
* 15.677	21.42	ADR	40.8	-18.2	44.02	54	-9.98	-	-	-	-	282	197	V

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

PK-U - U-NII: Maximum Peak

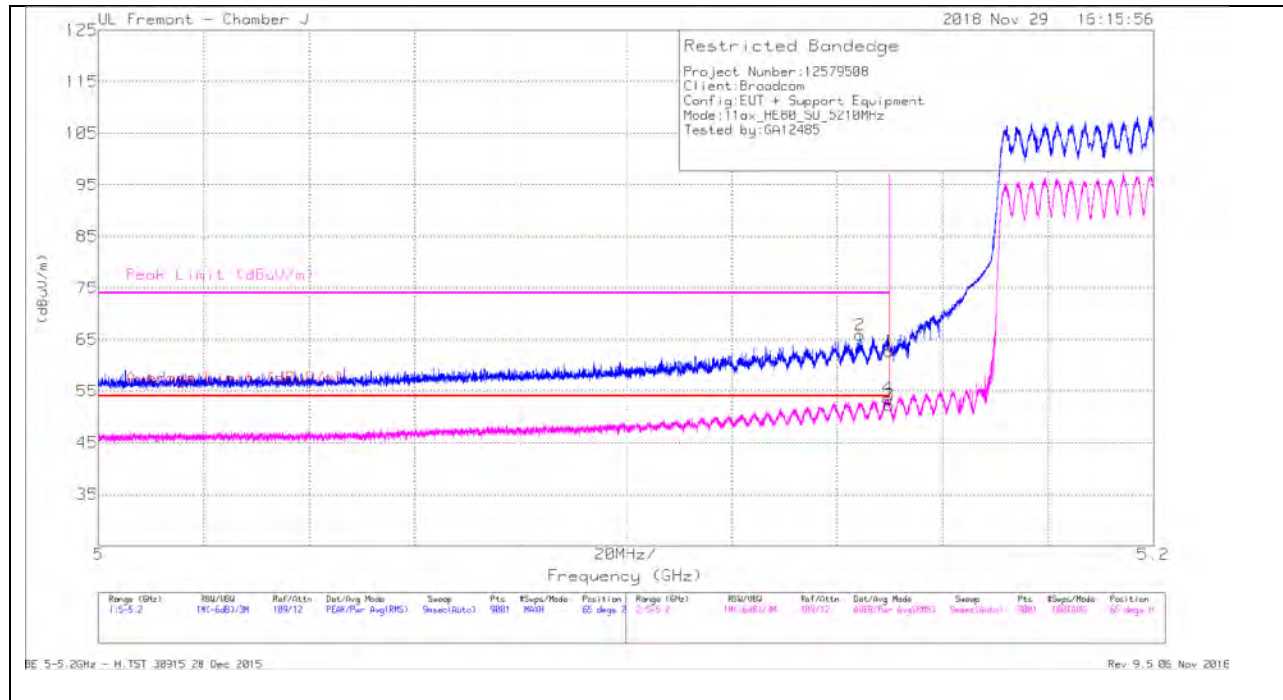
ADR - U-NII AD primary method, RMS average

9.1.6. TX ABOVE 1 GHz 802.11ax HE80 MODE IN THE 5.2 GHz BAND

2TX Antenna 1 + Antenna 2 CDD MODE

BANDEDGE (CHANNEL 42)

HORIZONTAL RESULT



Trace Markers

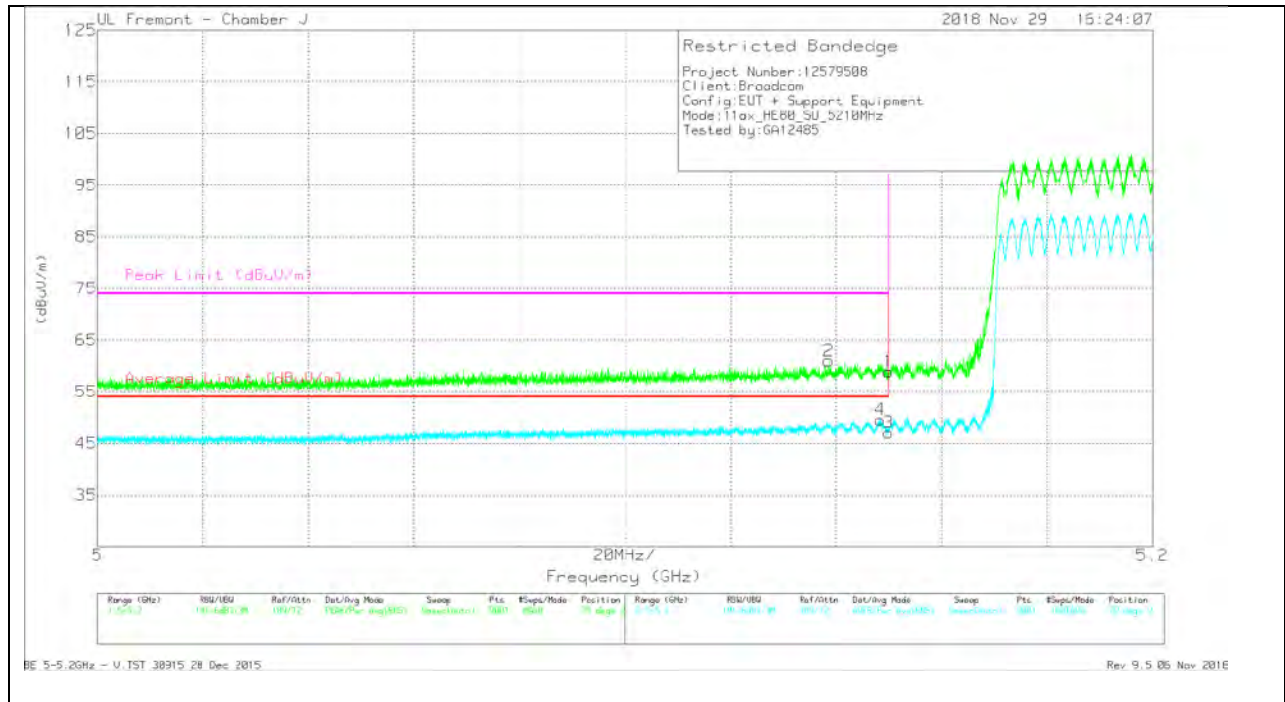
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dB/m)	Amp/Cbl/Filtr /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	37.61	Pk	34.2	-9.1	62.71	-	-	74	-11.29	65	280	H
2	* 5.144	40.71	Pk	34.2	-9	65.91	-	-	74	-8.09	65	280	H
3	* 5.15	27.19	RMS	34.2	-9.1	52.29	54	-1.71	-	-	65	280	H
4	* 5.15	28.56	RMS	34.2	-9.1	53.66	54	-.34	-	-	65	280	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dBm)	Amp/Cbl/Ftr /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	33.78	Pk	34.2	-9.1	58.88	-	-	74	-15.12	79	255	V
2	* 5.139	35.79	Pk	34.1	-8.9	60.99	-	-	74	-13.01	79	255	V
3	* 5.15	21.99	RMS	34.2	-9.1	47.09	54	-6.91	-	-	79	255	V
4	* 5.148	24.5	RMS	34.2	-9.1	49.6	54	-4.4	-	-	79	255	V

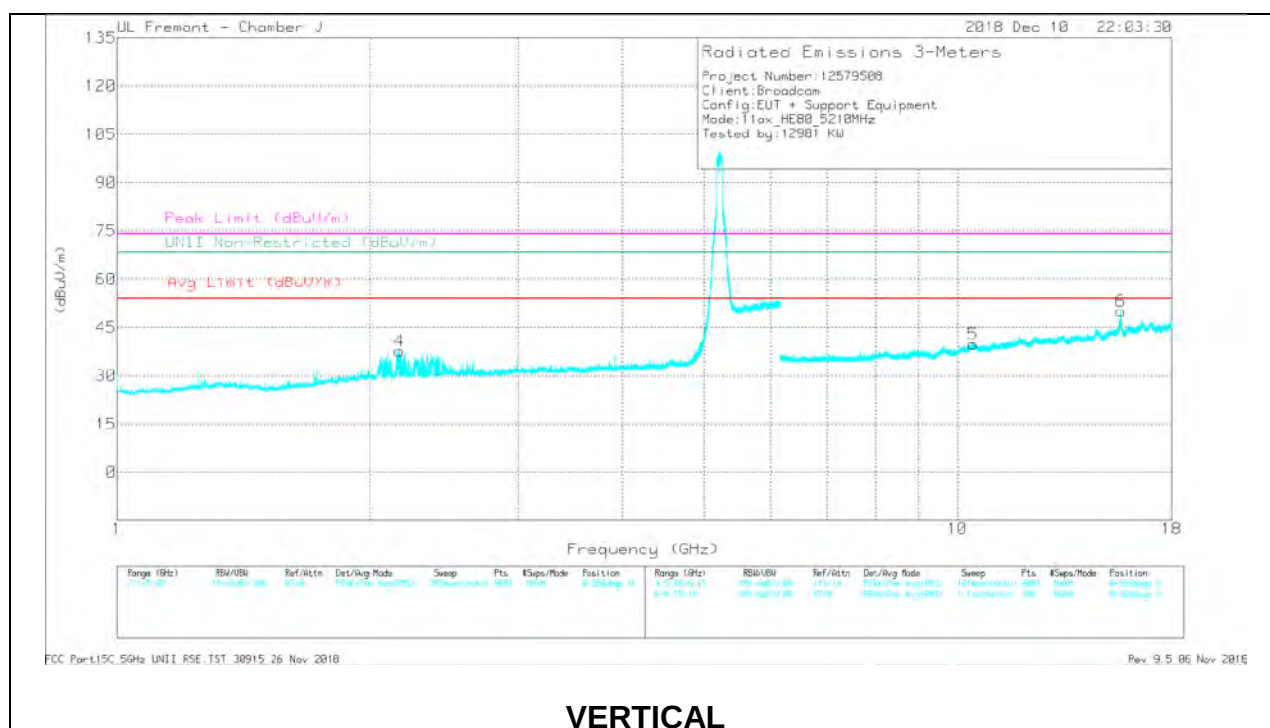
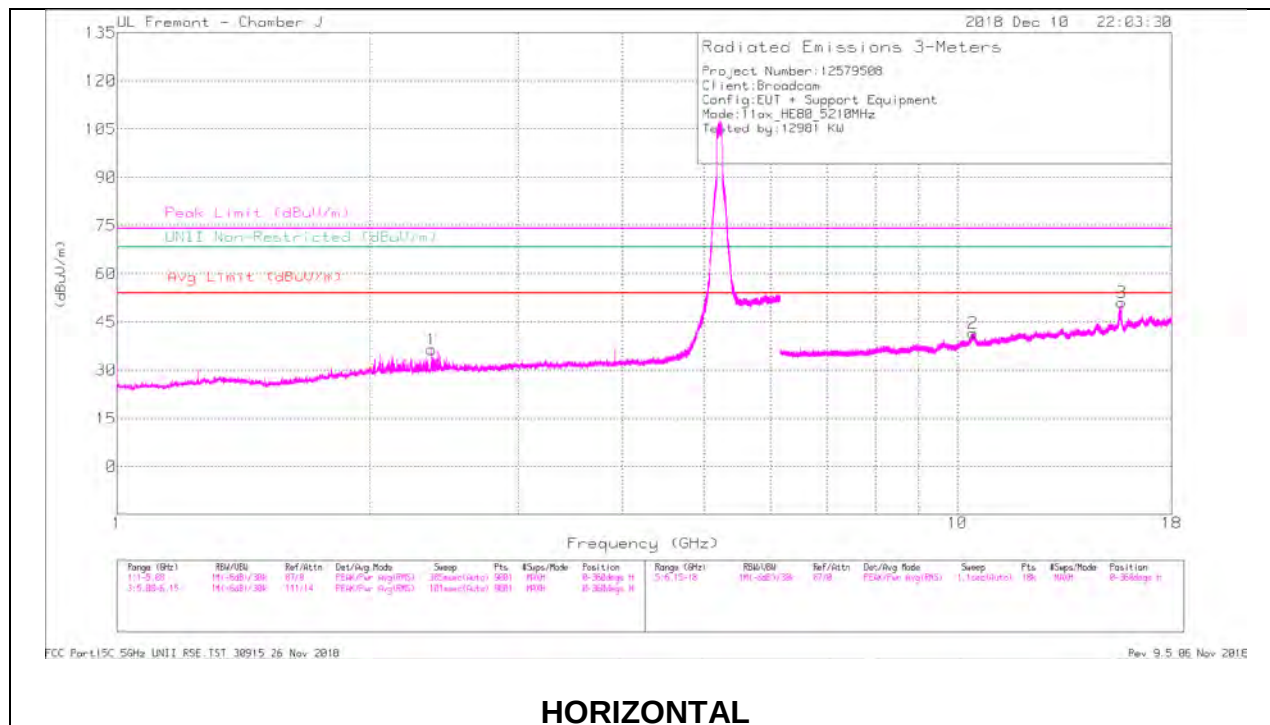
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

CHANNEL 42 RESULTS



RADIATED EMISSIONS

Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dB/m)	Amp/Cbl/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
* 2.369	48.28	PK-U	31.9	-35.5	44.68	-	-	74	-29.32	-	-	349	122	H
* 2.368	33.31	ADR	31.9	-35.5	29.71	54	-24.29	-	-	-	-	349	122	H
2.167	48.23	PK-U	31.8	-35.5	44.53	-	-	-	-	68.2	-23.67	159	386	V
* 15.677	39.66	PK-U	40.3	-20.4	59.56	-	-	74	-14.44	-	-	44	135	H
* 15.677	26.69	ADR	40.3	-20.4	46.59	54	-7.41	-	-	-	-	44	135	H
10.437	34.69	PK-U	37.5	-25.1	47.09	-	-	-	-	68.2	-21.11	141	351	H
* 15.652	35.4	PK-U	40.3	-20.3	55.4	-	-	74	-18.6	-	-	222	190	V
* 15.652	25.45	ADR	40.3	-20.3	45.45	54	-8.55	-	-	-	-	222	190	V
10.446	33.03	PK-U	37.5	-25.1	45.43	-	-	-	-	68.2	-22.77	294	213	V

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

PK-U - U-NII: Maximum Peak

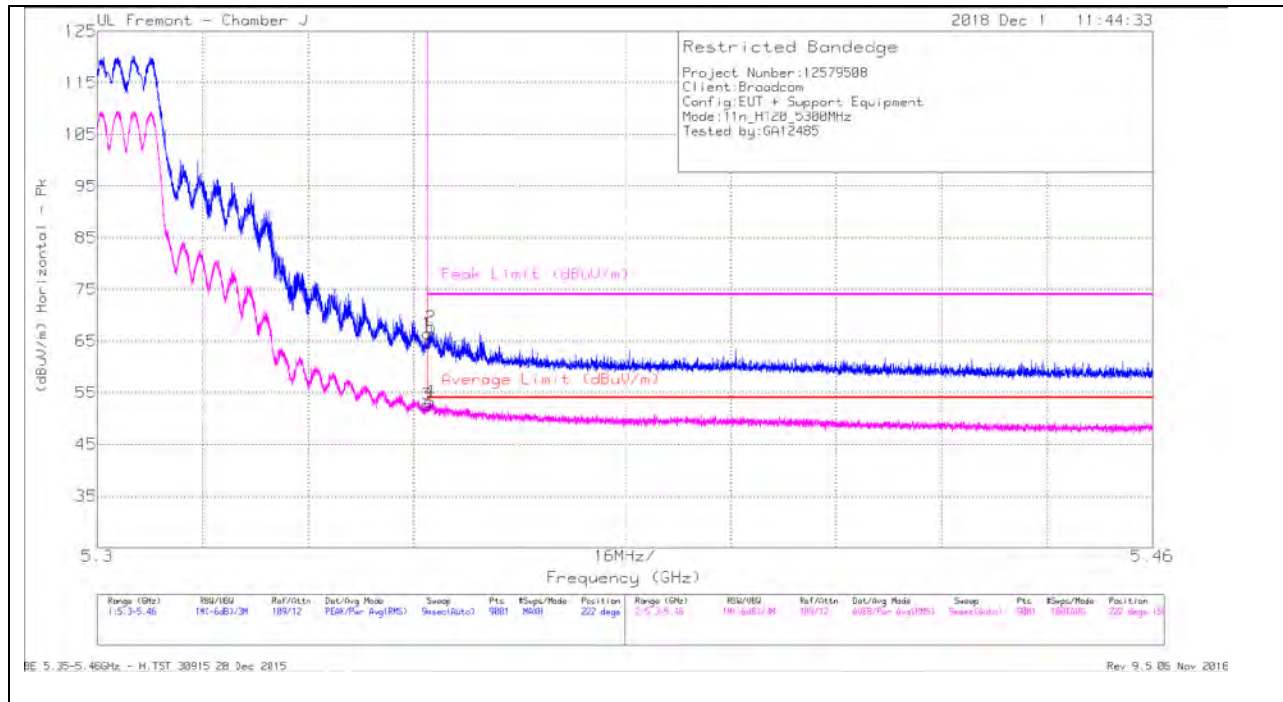
ADR - U-NII AD primary method, RMS average

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

2TX Antenna 1 + Antenna 2 CDD MODE

BANDEDGE (CHANNEL 60)

HORIZONTAL RESULT



Trace Markers

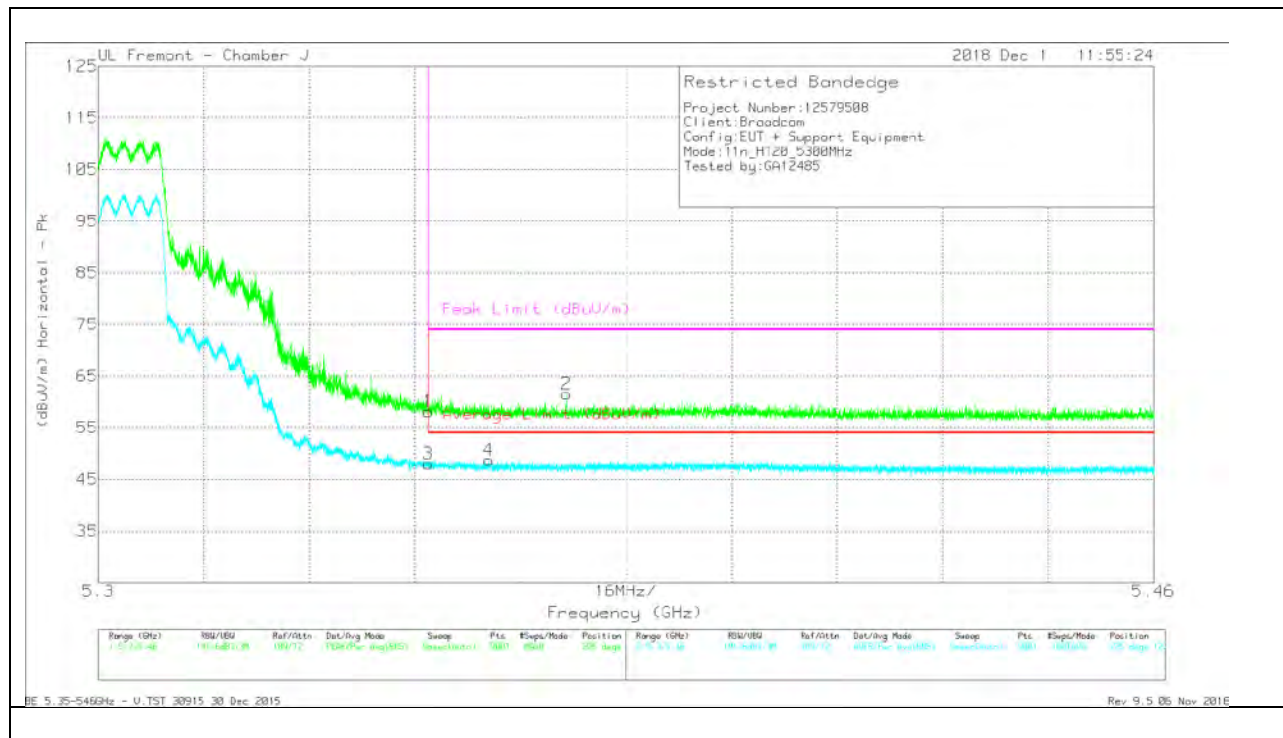
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dBm)	Amp/Cbl/Ftr /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	40.85	Pk	34.3	-8.7	66.45	-	-	74	-7.55	222	159	H
2	* 5.351	42.09	Pk	34.3	-8.7	67.69	-	-	74	-6.31	222	159	H
3	* 5.35	27.09	RMS	34.3	-8.7	52.69	54	-1.31	-	-	222	159	H
4	* 5.35	27.66	RMS	34.3	-8.7	53.26	54	-0.74	-	-	222	159	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



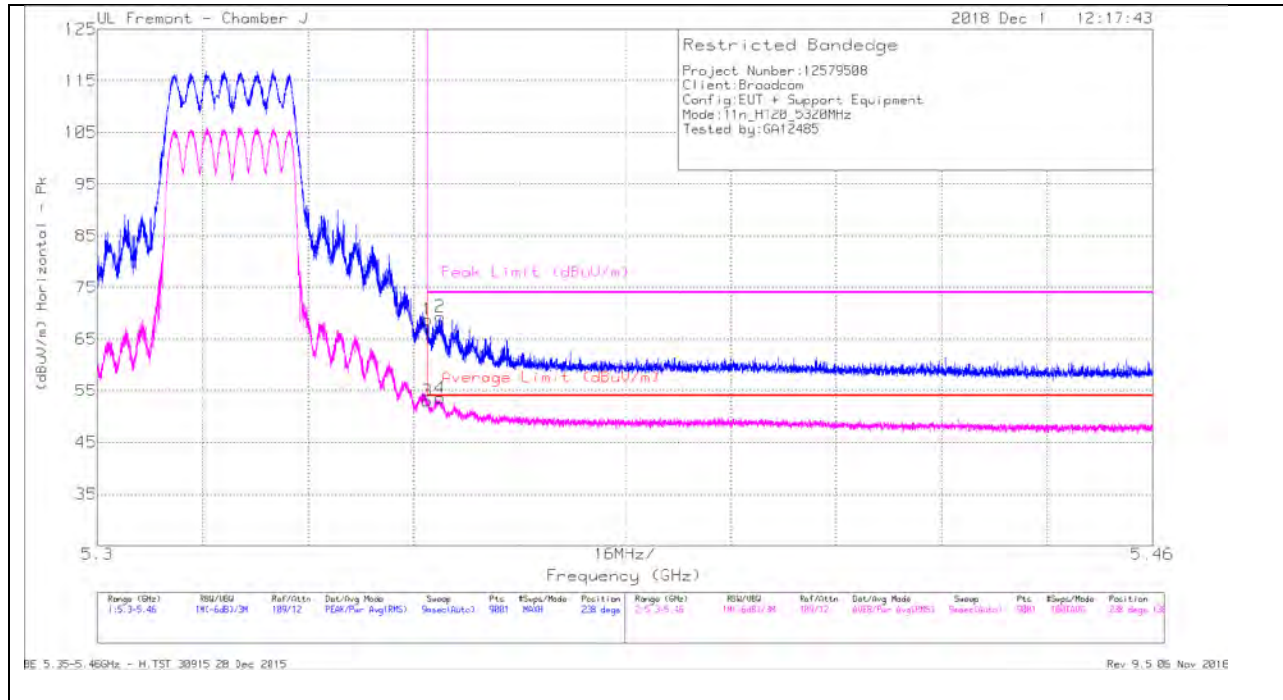
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dB/m)	Amp/Cbl/Ftr /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	32.56	Pk	34.3	-8.7	58.16	-	-	74	-15.84	225	127	V
2	* 5.371	35.75	Pk	34.4	-8.6	61.55	-	-	74	-12.45	225	127	V
3	* 5.35	22.45	RMS	34.3	-8.7	48.05	54	-5.95	-	-	225	127	V
4	* 5.359	23.05	RMS	34.4	-8.7	48.75	54	-5.25	-	-	225	127	V

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

Pk - Peak detector

RMS - RMS detection

BANDEDGE (CHANNEL 64)**HORIZONTAL RESULT****Trace Markers**

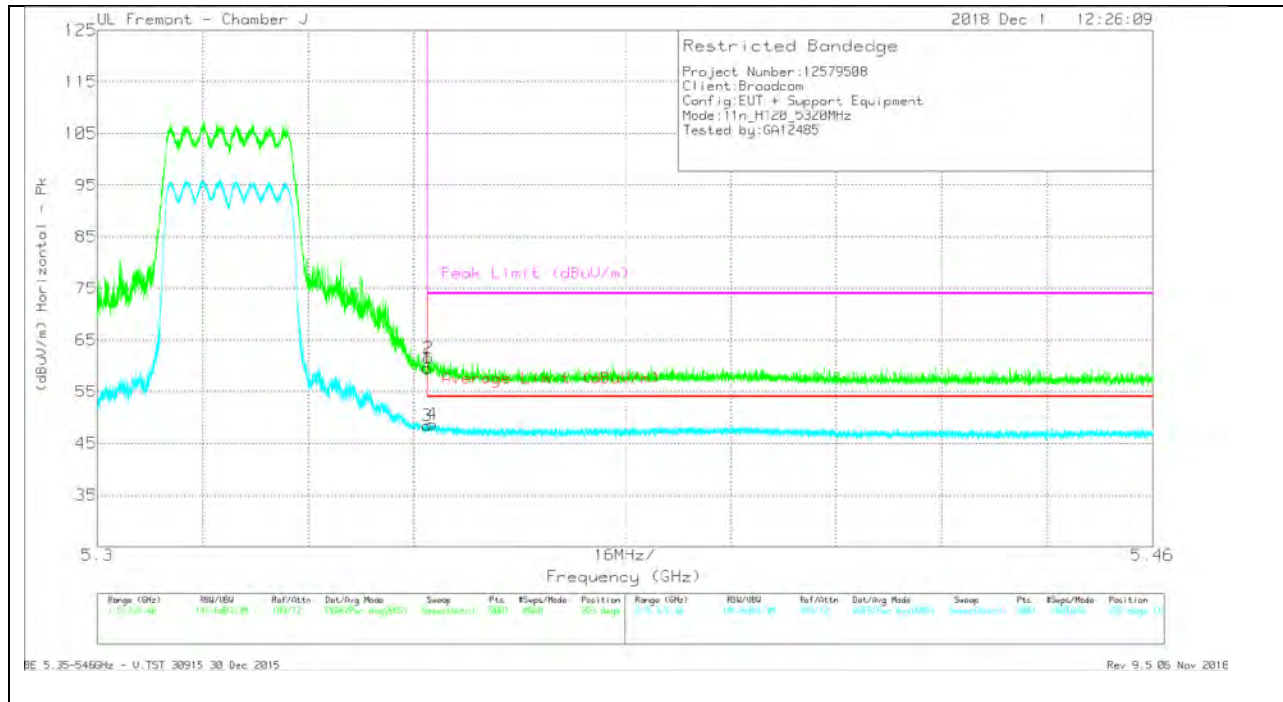
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dBm)	Amp/Cbl/Ftr /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	43.19	Pk	34.3	-8.7	68.79	-	-	74	-5.21	238	136	H
2	* 5.352	43.66	Pk	34.4	-8.7	69.36	-	-	74	-4.64	238	136	H
3	* 5.35	27.44	RMS	34.3	-8.7	53.04	54	-96	-	-	238	136	H
4	* 5.352	27.9	RMS	34.4	-8.7	53.6	54	-4	-	-	238	136	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dBm)	Ampl/Cbl/Ftr /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	33.99	Pk	34.3	-8.7	59.59	-	-	74	-14.41	223	119	V
2	* 5.35	35.9	Pk	34.3	-8.7	61.5	-	-	74	-12.5	223	119	V
3	* 5.35	22.87	RMS	34.3	-8.7	48.47	54	-5.53	-	-	223	119	V
4	* 5.351	23.13	RMS	34.3	-8.7	48.73	54	-5.27	-	-	223	119	V

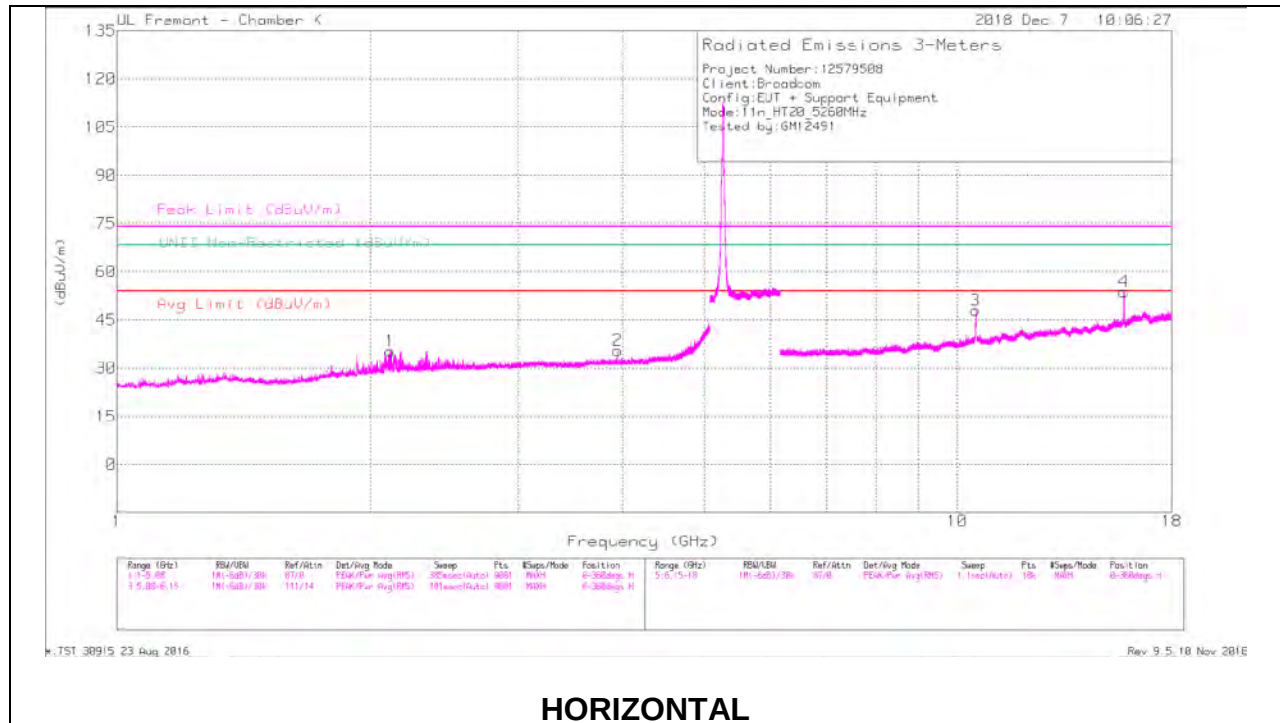
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

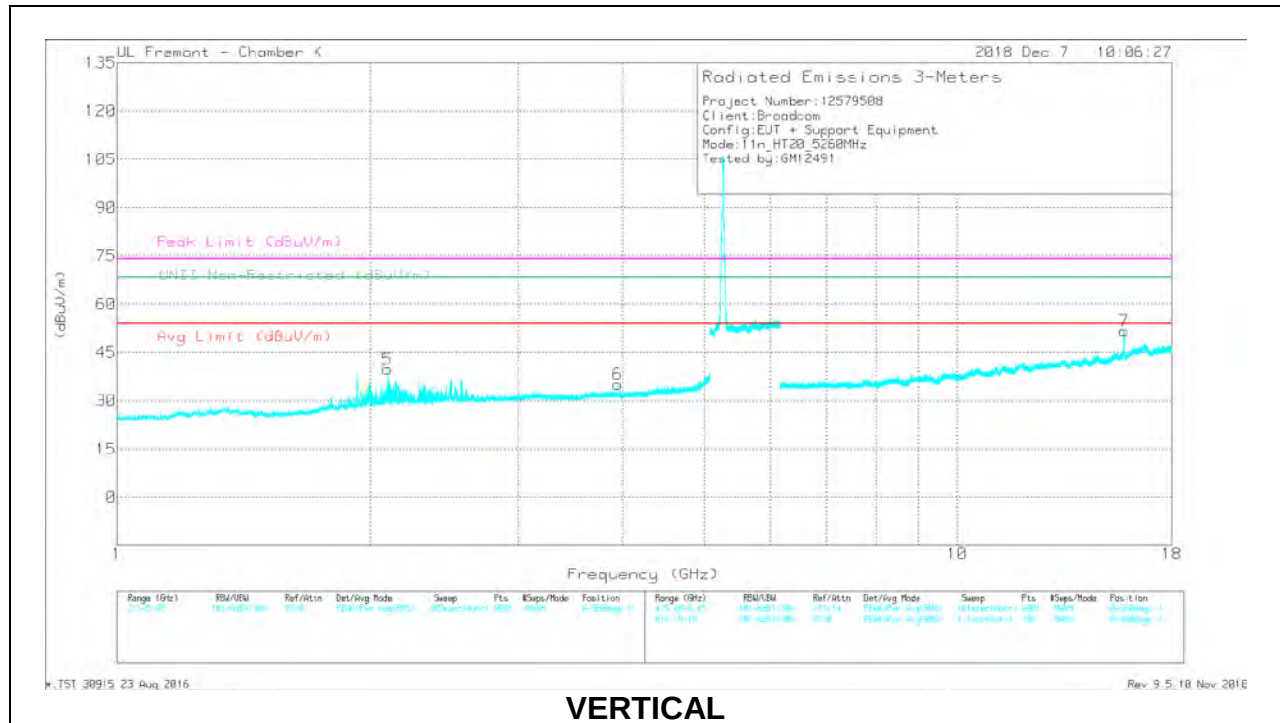
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

CHANNEL 52 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

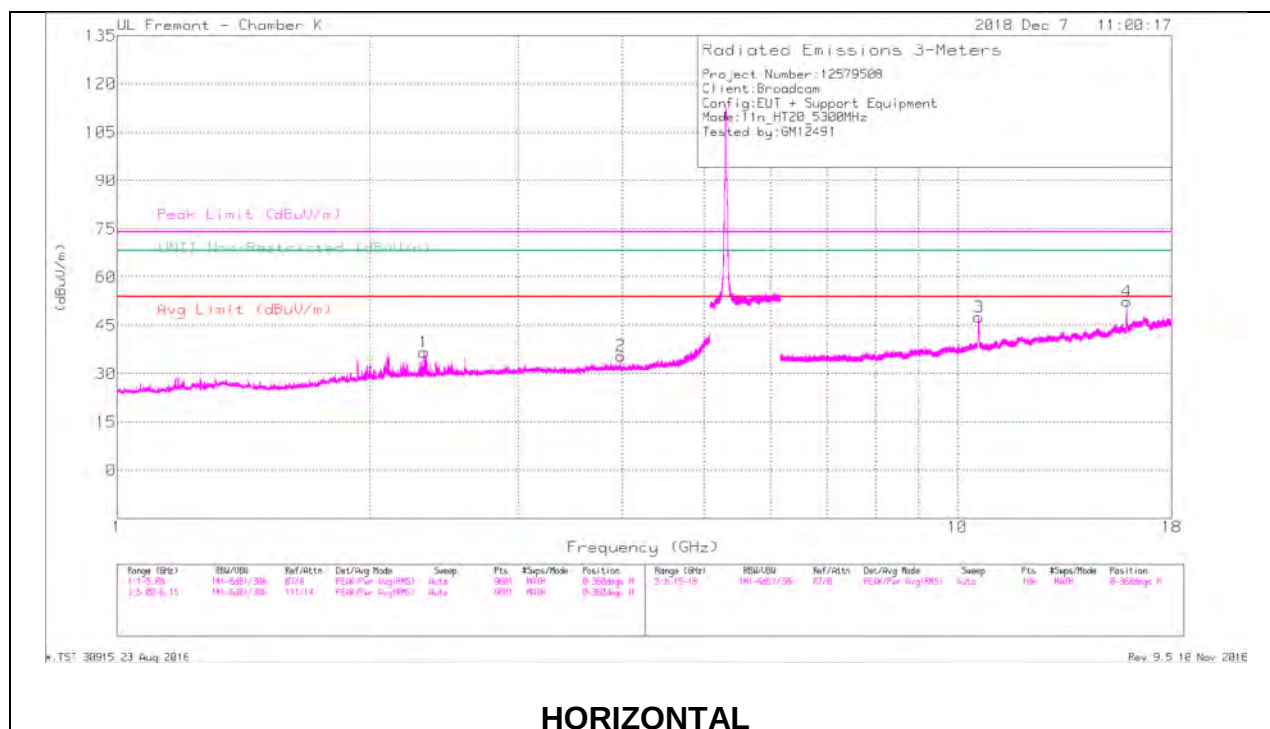
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cb/IFtr/Pa d (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNI Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.113	48.52	PK-U	31.6	-35.2	44.92	-	-	-	-	68.2	-23.28	125	294	H
	2.113	31.46	ADR	31.6	-35.2	27.86	-	-	-	-	-	-	125	294	H
2	* 3.945	39.83	PK-U	33.4	-31.4	41.83	-	-	74	-32.17	-	-	200	374	H
	* 3.945	33.45	ADR	33.4	-31.4	35.45	54	-18.55	-	-	-	-	200	374	H
5	2.103	49.53	PK-U	31.6	-35.1	46.03	-	-	-	-	68.2	-22.17	137	262	V
	2.1	32.6	ADR	31.6	-35.1	29.1	-	-	-	-	-	-	137	262	V
6	* 3.945	39.1	PK-U	33.4	-31.4	41.1	-	-	74	-32.9	-	-	233	216	V
	* 3.945	32.38	ADR	33.4	-31.4	34.38	54	-19.62	-	-	-	-	233	216	V
3	10.521	39.89	PK-U	37.6	-22.5	54.99	-	-	-	-	68.2	-13.21	355	158	H
	10.521	29.84	ADR	37.6	-22.5	44.94	-	-	-	-	-	-	355	158	H
4	* 15.781	38.39	PK-U	40.8	-18	61.19	-	-	74	-12.81	-	-	360	105	H
	* 15.781	28.98	ADR	40.8	-18	51.78	54	-2.22	-	-	-	-	360	105	H
7	* 15.789	37.05	PK-U	40.8	-18	59.85	-	-	74	-14.15	-	-	306	189	V
	* 15.786	26.99	ADR	40.8	-18	49.79	54	-4.21	-	-	-	-	306	189	V

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

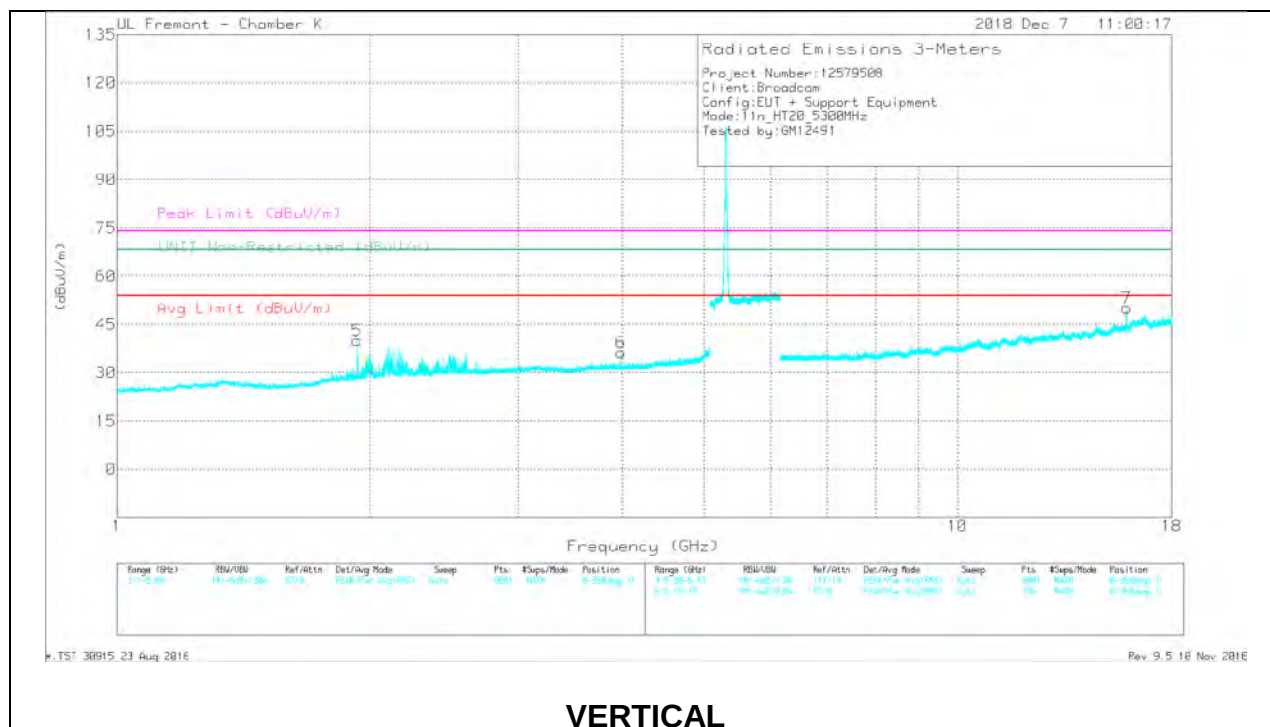
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

CHANNEL 60 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

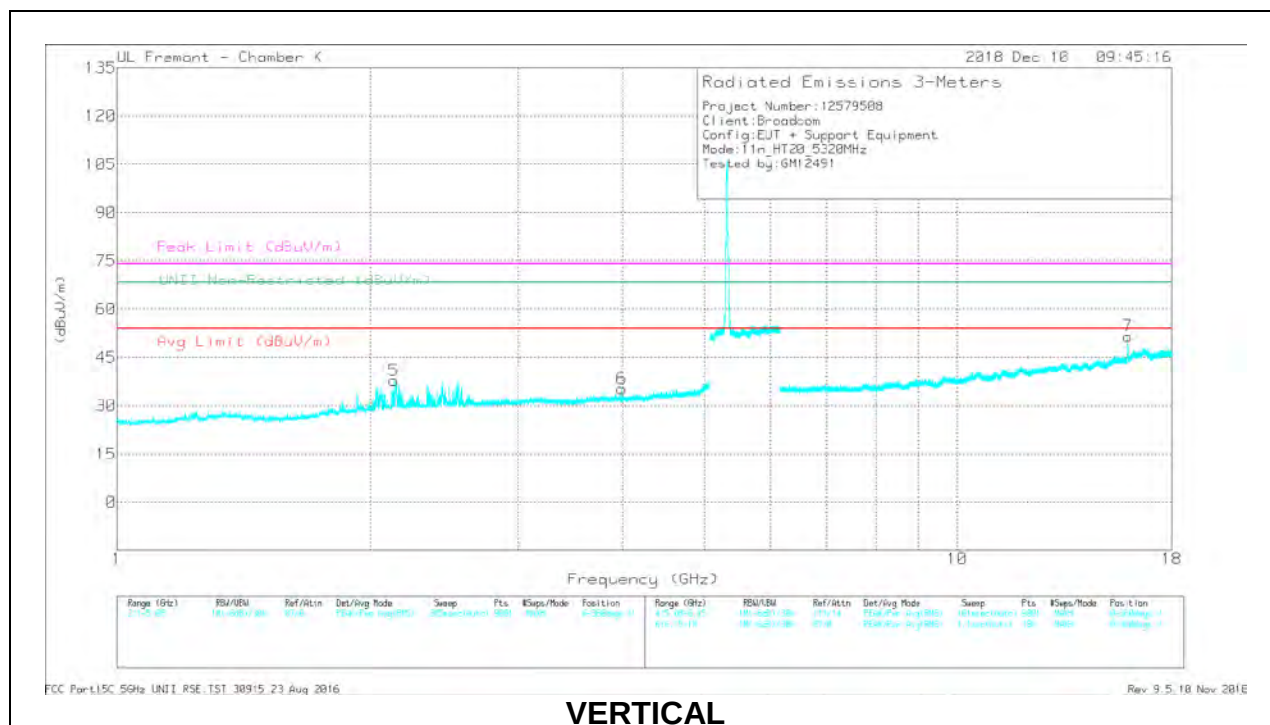
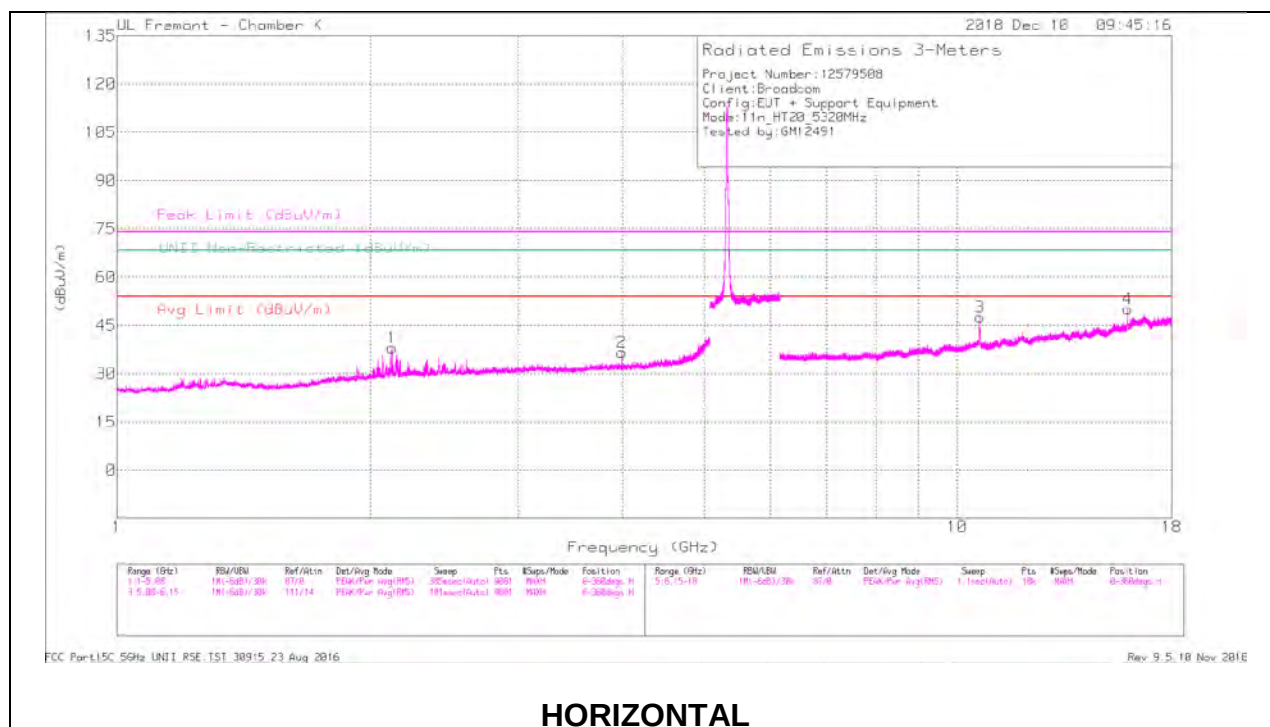
Frequency (GHz)	Meter Reading (dBuV)	Det	AF-T344 (dB/m)	Amp/Cbl/Fittr/Pa d (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.32	45.52	PK-U	31.7	-35.1	42.12	-	-	74	-31.88	-	-	196	103	H
* 2.32	31.77	ADR	31.7	-35.1	28.37	54	-25.63	-	-	-	-	196	103	H
* 3.975	38.76	PK-U	33.4	-31.4	40.76	-	-	74	-33.24	-	-	204	301	H
* 3.975	33.23	ADR	33.4	-31.4	35.23	54	-18.77	-	-	-	-	204	301	H
1.931	47.01	PK-U	30.7	-35.2	42.51	-	-	-	-	68.2	-25.69	85	323	V
1.931	35.61	ADR	30.7	-35.2	31.11	-	-	-	-	-	-	85	323	V
* 3.975	38.78	PK-U	33.4	-31.4	40.78	-	-	74	-33.22	-	-	223	130	V
* 3.975	32.2	ADR	33.4	-31.4	34.2	54	-19.8	-	-	-	-	223	130	V
* 10.602	40.98	PK-U	37.7	-22.5	56.18	-	-	74	-17.82	-	-	345	224	H
* 10.602	29.82	ADR	37.7	-22.5	45.02	54	-8.98	-	-	-	-	345	224	H
* 15.902	34.25	PK-U	40.8	-17.7	57.35	-	-	74	-16.65	-	-	360	293	H
* 15.9	25	ADR	40.8	-17.8	48	54	-6	-	-	-	-	360	293	H
* 15.901	35.02	PK-U	40.8	-17.8	58.02	-	-	74	-15.98	-	-	293	194	V
* 15.901	24.35	ADR	40.8	-17.8	47.35	54	-6.65	-	-	-	-	293	194	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

CHANNEL 64 RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Ftr/Pa d (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNI Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.126	48.82	PK-U	31.6	-35.2	45.22	-	-	-	-	68.2	-22.98	203	199	H
	2.127	31.11	ADR	31.6	-35.2	27.51	-	-	-	-	-	-	203	199	H
2	* 3.99	39.65	PK-U	33.4	-31.5	41.55	-	-	74	-32.45	-	-	295	102	H
	* 3.99	34.82	ADR	33.4	-31.5	36.72	54	-17.28	-	-	-	-	295	102	H
5	2.136	48.2	PK-U	31.6	-35.1	44.7	-	-	-	-	68.2	-23.5	120	158	V
	2.137	31.84	ADR	31.6	-35.2	28.24	-	-	-	-	-	-	120	158	V
6	* 3.99	40.37	PK-U	33.4	-31.5	42.27	-	-	74	-31.73	-	-	219	187	V
	* 3.99	33.44	ADR	33.4	-31.5	35.34	54	-18.66	-	-	-	-	219	187	V
3	* 10.643	39.47	PK-U	37.8	-22.8	54.47	-	-	74	-19.53	-	-	350	173	H
	* 10.646	30.07	ADR	37.8	-22.8	45.07	54	-8.93	-	-	-	-	350	173	H
4	* 15.966	33.43	PK-U	41	-17.9	56.53	-	-	74	-17.47	-	-	80	139	H
	* 15.969	24.46	ADR	41	-17.9	47.56	54	-6.44	-	-	-	-	80	139	H
7	* 15.959	35.53	PK-U	41	-17.9	58.63	-	-	74	-15.37	-	-	282	201	V
	* 15.961	25.5	ADR	41	-17.9	48.6	54	-5.4	-	-	-	-	282	201	V

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

PK-U - U-NII: Maximum Peak

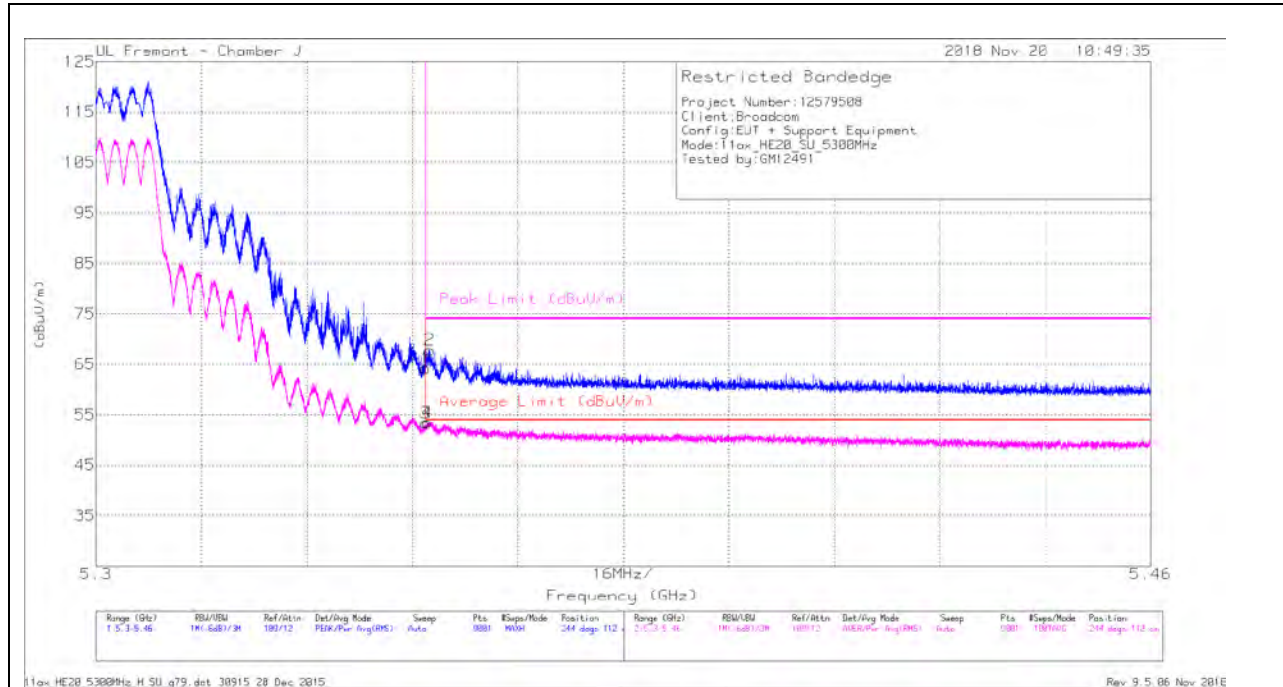
ADR - U-NII AD primary method, RMS average

9.1.8. TX ABOVE 1 GHz 802.11ax HE20 MODE IN THE 5.3 GHz BAND

2TX Antenna 1 + Antenna 2 CDD MODE

BANDEDGE (CHANNEL 60)

HORIZONTAL RESULT



Trace Markers

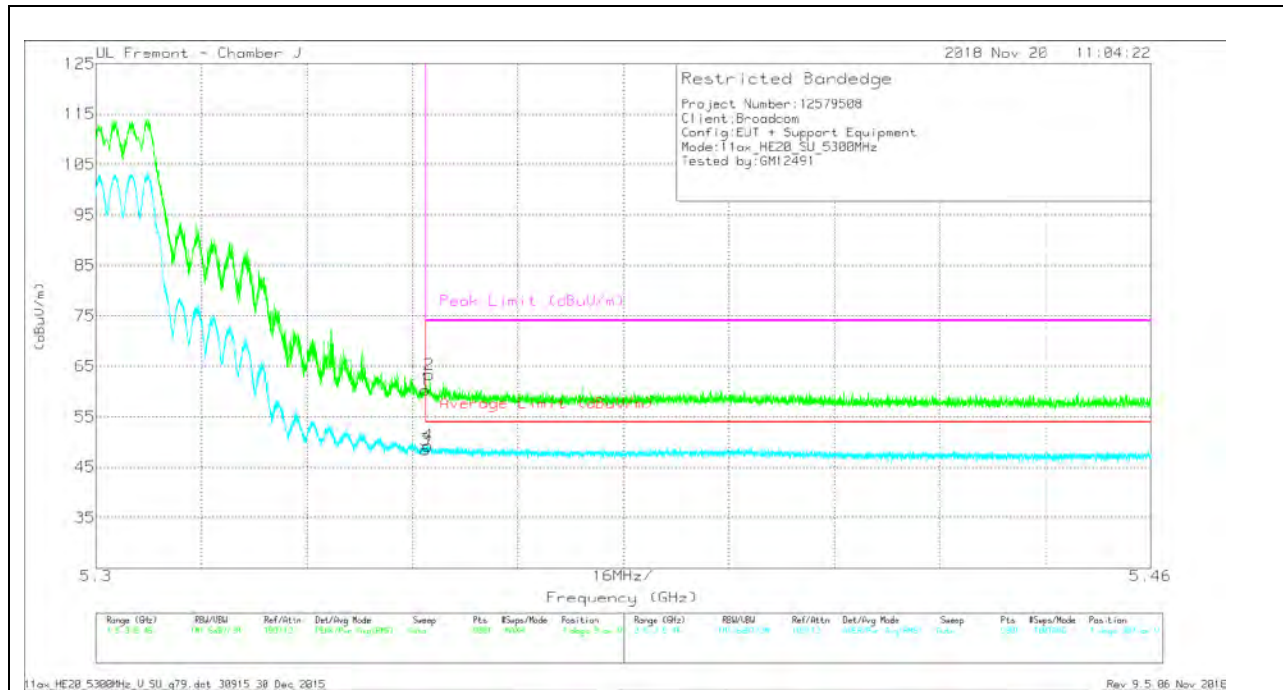
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dB/m)	Amp/Cbl/Ftr /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	38.57	Pk	34.3	-8.7	64.17	-	-	74	-9.83	244	112	H
2	* 5.351	42.16	Pk	34.3	-8.7	67.76	-	-	74	-6.24	244	112	H
3	* 5.35	27.76	RMS	34.3	-8.7	53.36	54	-64	-	-	244	112	H
4	* 5.35	27.94	RMS	34.3	-8.7	53.54	54	-46	-	-	244	112	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



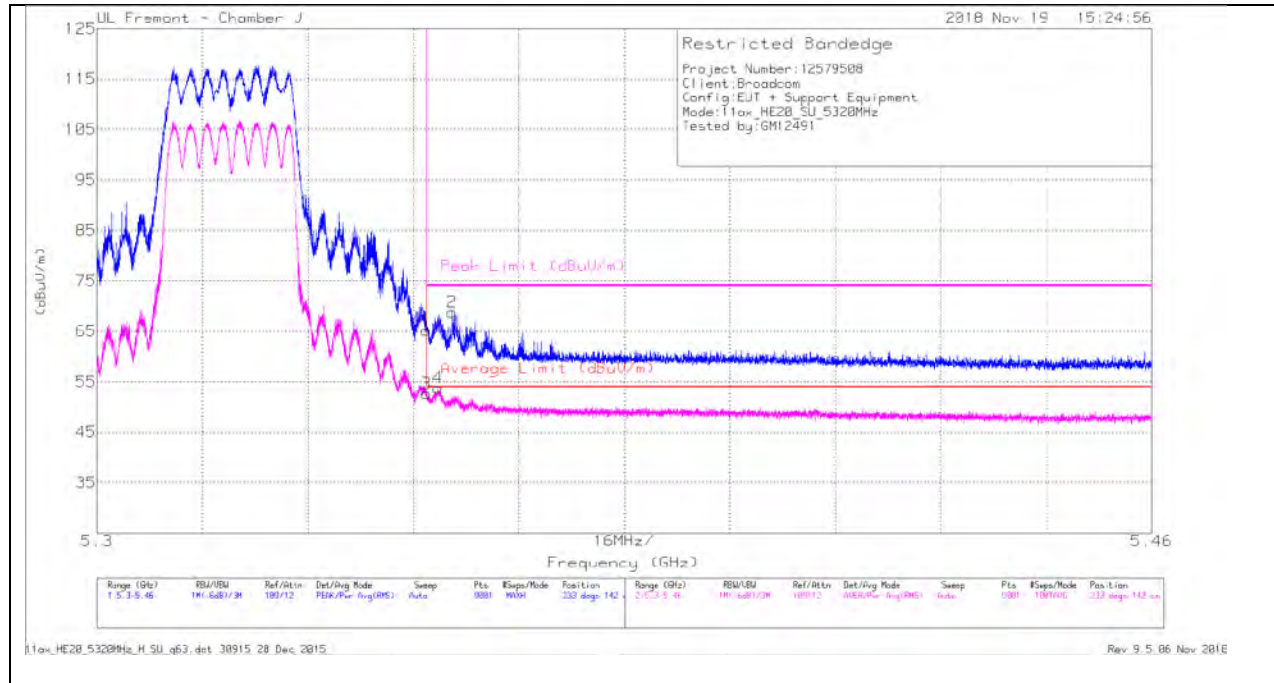
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dBm)	Ampl/Cbl/Ftr /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	34.81	Pk	34.3	-8.7	60.41	-	-	74	-13.59	4	307	V
2	* 5.351	37.74	Pk	34.3	-8.7	63.34	-	-	74	-10.66	4	307	V
3	* 5.35	22.88	RMS	34.3	-8.7	48.48	54	-5.52	-	-	4	307	V
4	* 5.35	23.64	RMS	34.3	-8.7	49.24	54	-4.76	-	-	4	307	V

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

Pk - Peak detector

RMS - RMS detection

BANDEDGE (CHANNEL 64)**HORIZONTAL RESULT****Trace Markers**

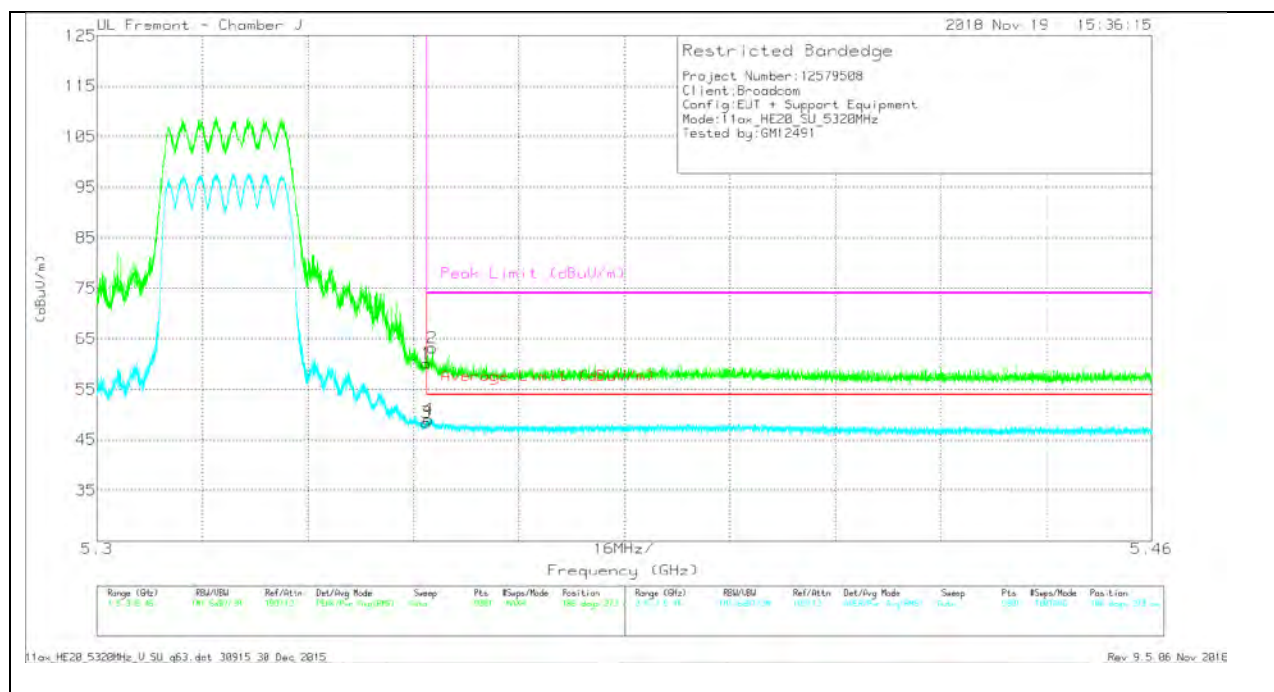
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dBm)	Amp/Cbl/Filtr /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	39.61	Pk	34.3	-8.7	65.21	-	-	74	-8.79	233	142	H
2	* 5.354	43.09	Pk	34.4	-8.7	68.79	-	-	74	-5.21	233	142	H
3	* 5.35	27.1	RMS	34.3	-8.7	52.7	54	-1.3	-	-	233	142	H
4	* 5.352	28.05	RMS	34.4	-8.7	53.75	54	-25	-	-	233	142	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dBm)	Amp/Cbl/Ftr /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	34.5	Pk	34.3	-8.7	60.1	-	-	74	-13.9	186	273	V
2	* 5.351	37.63	Pk	34.3	-8.7	63.23	-	-	74	-10.77	186	273	V
3	* 5.35	22.78	RMS	34.3	-8.7	48.38	54	-5.62	-	-	186	273	V
4	* 5.35	23.5	RMS	34.3	-8.7	49.1	54	-4.9	-	-	186	273	V

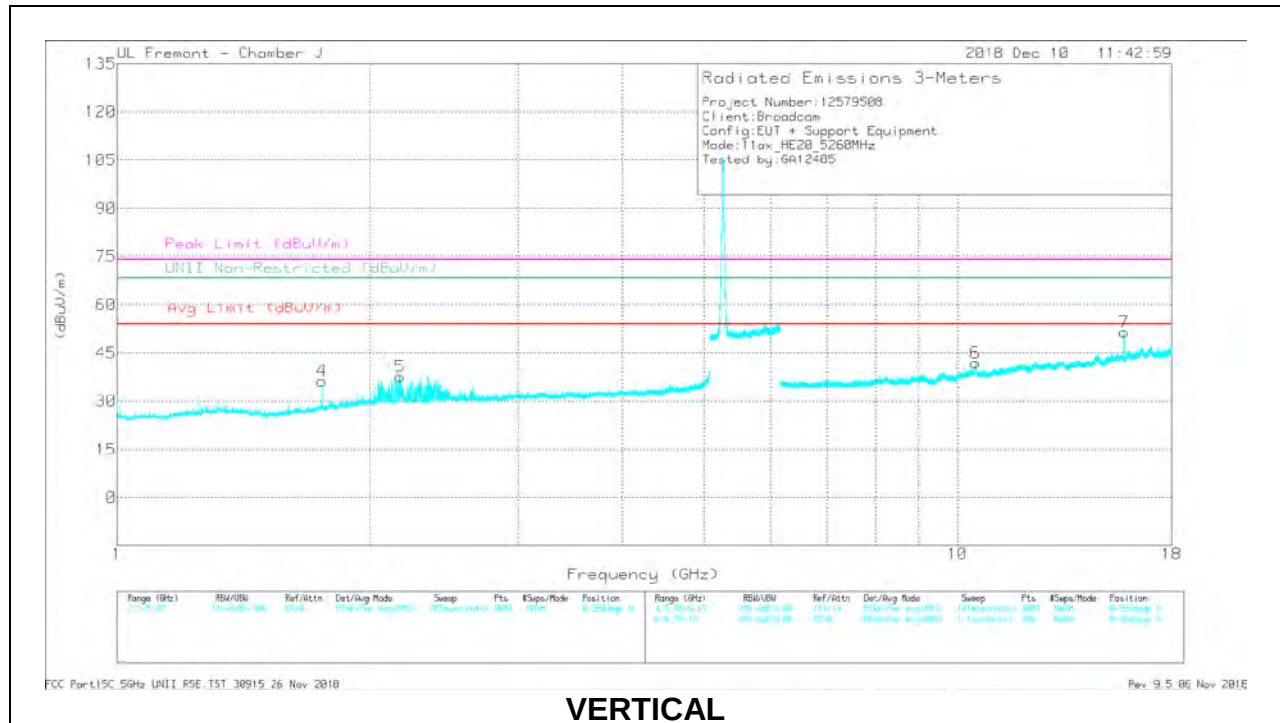
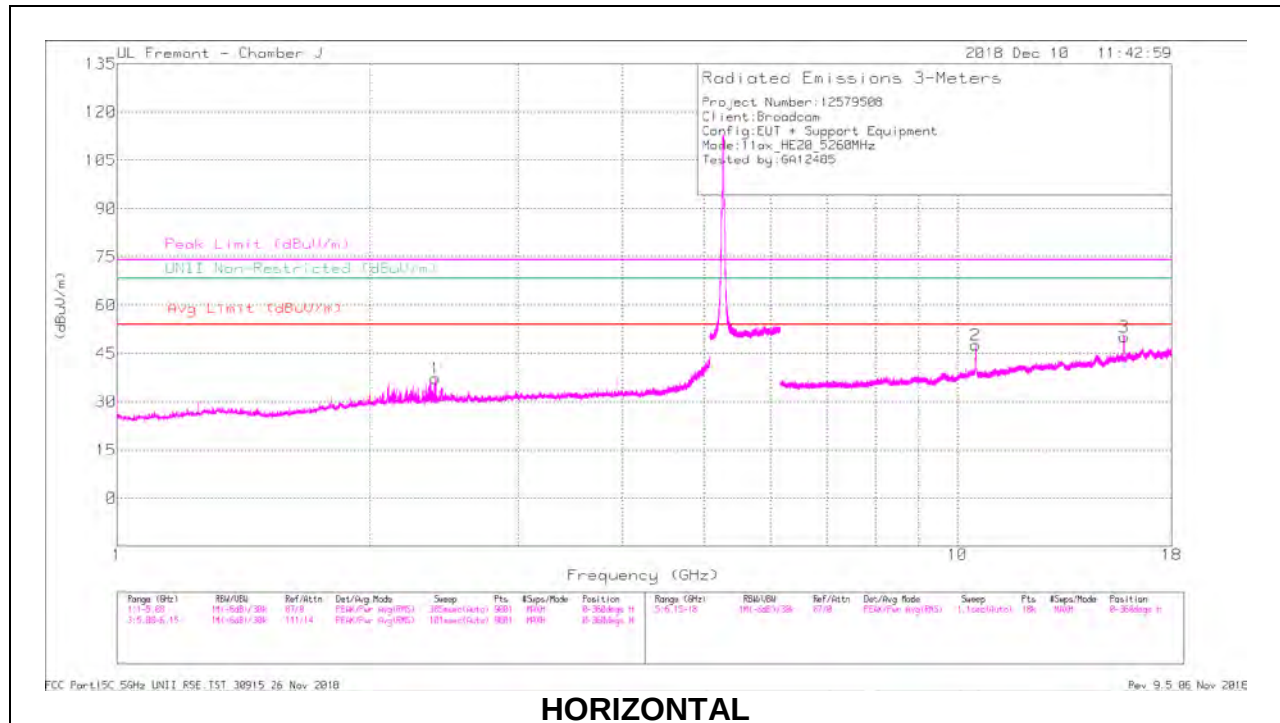
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

CHANNEL 52 RESULTS



RADIATED EMISSIONS

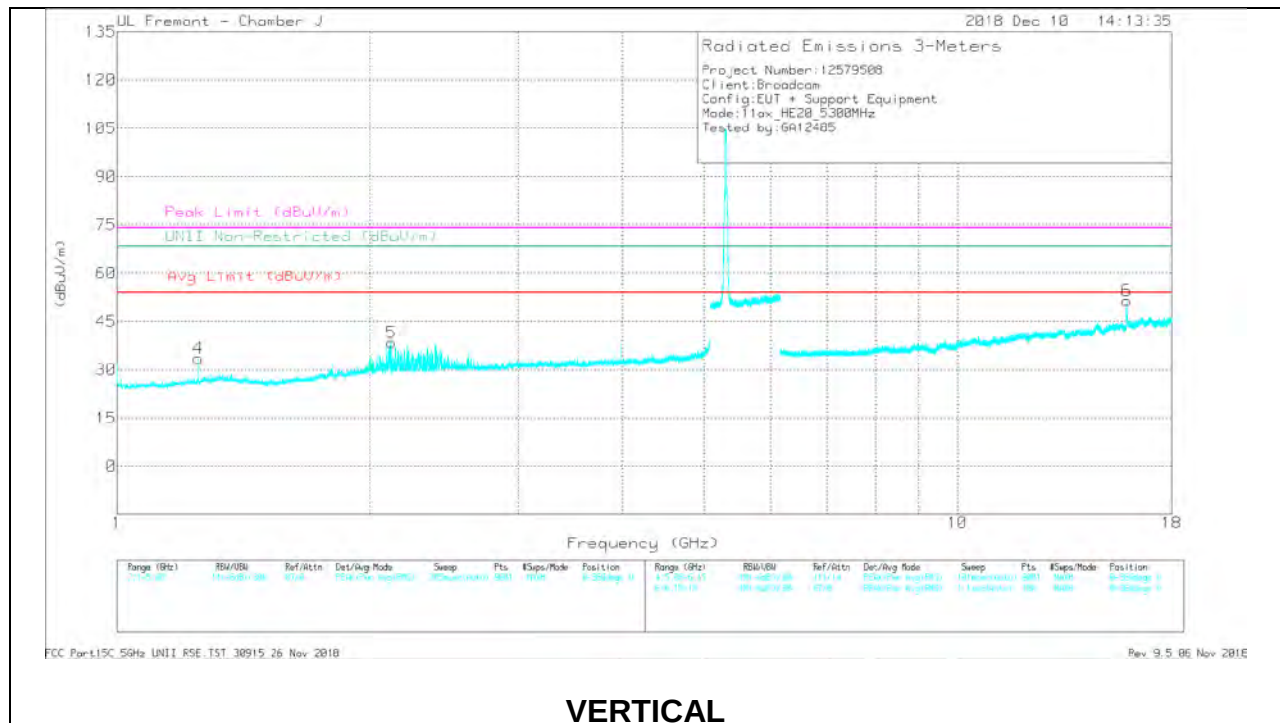
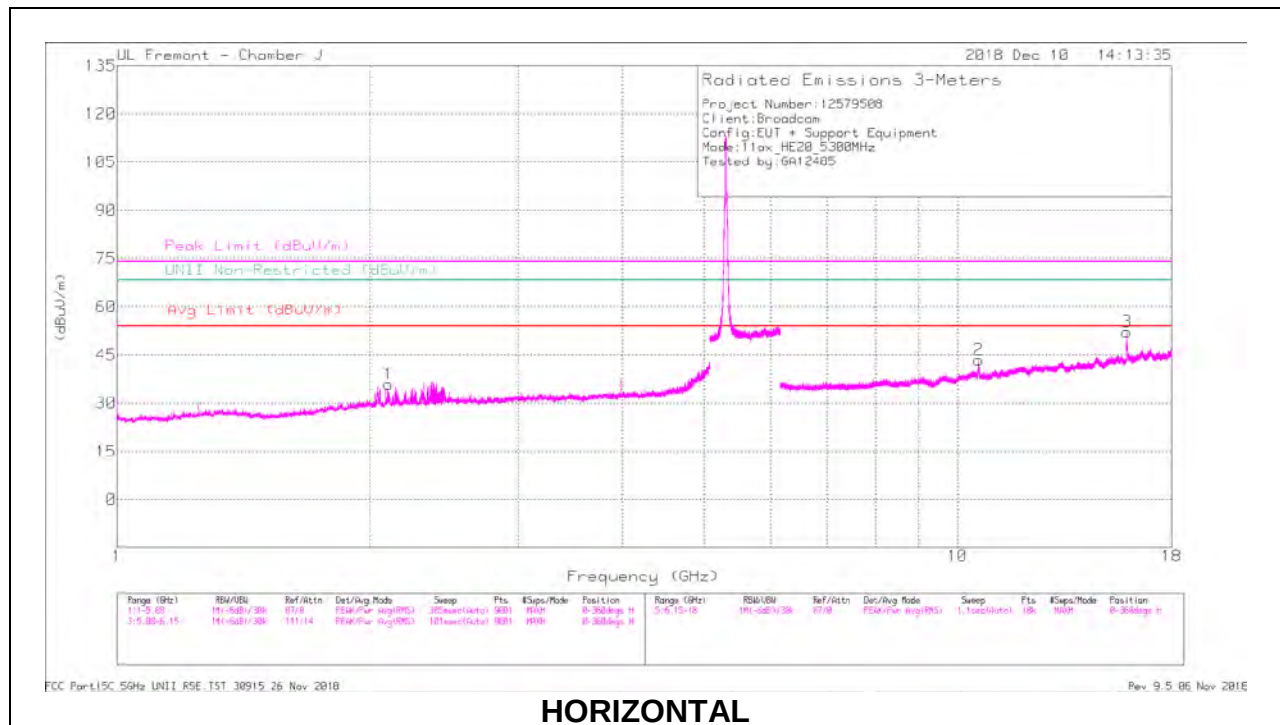
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dBm)	Amp/CbllFtr/Pa d (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.395	51.94	PK-U	32	-35.5	48.44	-	-	-	-	68.2	-19.76	352	112	H
4	1.753	41.73	PK-U	29.9	-35.7	35.93	-	-	-	-	68.2	-32.27	221	284	V
5	2.171	49.68	PK-U	31.8	-35.6	45.88	-	-	-	-	68.2	-22.32	253	254	V
2	10.512	42.18	PK-U	37.5	-25.3	54.38	-	-	-	-	68.2	-13.82	176	205	H
3	* 15.784	40.49	PK-U	40.4	-20.4	60.49	-	-	74	-13.51	-	-	44	139	H
	* 15.784	30.62	ADR	40.4	-20.4	50.62	54	-3.38	-	-	-	-	44	139	H
6	10.52	41.17	PK-U	37.5	-25.3	53.37	-	-	-	-	68.2	-14.83	222	356	V
7	* 15.785	40.3	PK-U	40.4	-20.4	60.3	-	-	74	-13.7	-	-	206	212	V
	* 15.785	31.15	ADR	40.4	-20.4	51.15	54	-2.85	-	-	-	-	206	212	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

CHANNEL 60 RESULTS



RADIATED EMISSIONS

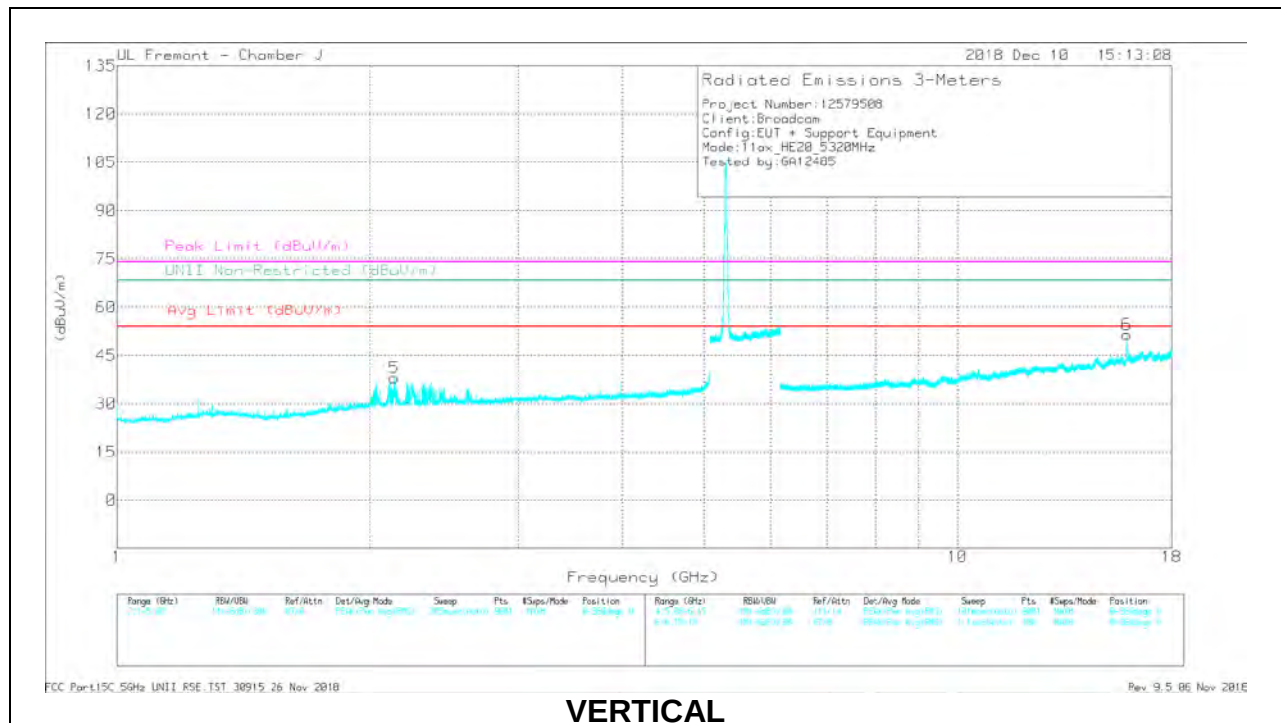
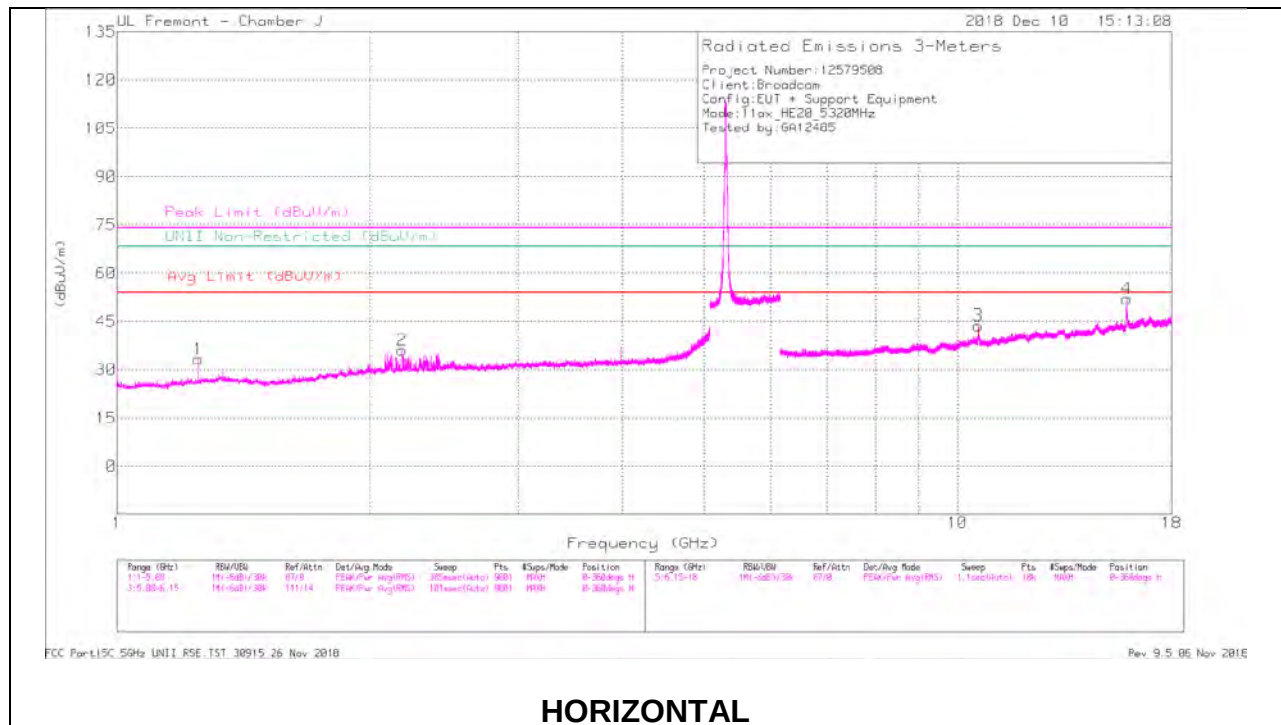
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dBm)	Amp/Cbl/Ftr/Pa d (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.104	45.47	PK-U	31.8	-35.4	41.87	-	-	-	-	68.2	-26.33	87	109	H
4	* 1.25	43.73	PK-U	29	-35.8	36.93	-	-	74	-37.07	-	-	94	118	V
	* 1.25	34.86	ADR	29	-35.8	28.06	54	-25.94	-	-	-	-	94	118	V
5	2.119	44.94	PK-U	31.8	-35.5	41.24	-	-	-	-	68.2	-26.96	168	236	V
2	*10.602	41.3	PK-U	37.5	-25.2	53.6	-	-	74	-20.4	-	-	177	189	H
	* 10.602	29.82	ADR	37.6	-25.2	42.22	54	-11.78	-	-	-	-	177	189	H
3	* 15.902	39.57	PK-U	40.4	-19.8	60.17	-	-	74	-13.83	-	-	57	196	H
	* 15.902	30.74	ADR	40.4	-19.8	51.34	54	-2.66	-	-	-	-	57	196	H
6	* 15.904	39.75	PK-U	40.4	-19.7	60.45	-	-	74	-13.55	-	-	208	282	V
	* 15.904	29.95	ADR	40.4	-19.7	50.65	54	-3.35	-	-	-	-	208	282	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

CHANNEL 64 RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dBm)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.25	43.45	PK-U	29	-35.8	36.65	-	-	74	-37.35	-	-	154	135	H
	* 1.25	36.43	ADR	29	-35.8	29.63	54	-24.37	-	-	-	-	154	135	H
2	2.185	47.66	PK-U	31.8	-35.6	43.86	-	-	-	-	68.2	-24.34	342	308	H
5	2.14	49.27	PK-U	31.8	-35.6	45.47	-	-	-	-	68.2	-22.73	252	238	V
3	10.59	39.92	PK-U	37.5	-25.3	52.12	-	-	-	-	68.2	-16.08	52	147	H
4	* 15.902	39.91	PK-U	40.4	-19.8	60.51	-	-	74	-13.49	-	-	61	231	H
	* 15.903	30.55	ADR	40.4	-19.8	51.15	54	-2.85	-	-	-	-	61	231	H
6	* 15.904	39.36	PK-U	40.4	-19.7	60.06	-	-	74	-13.94	-	-	209	279	V
	* 15.904	29.65	ADR	40.4	-19.7	50.35	54	-3.65	-	-	-	-	209	279	V

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

PK-U - U-NII: Maximum Peak

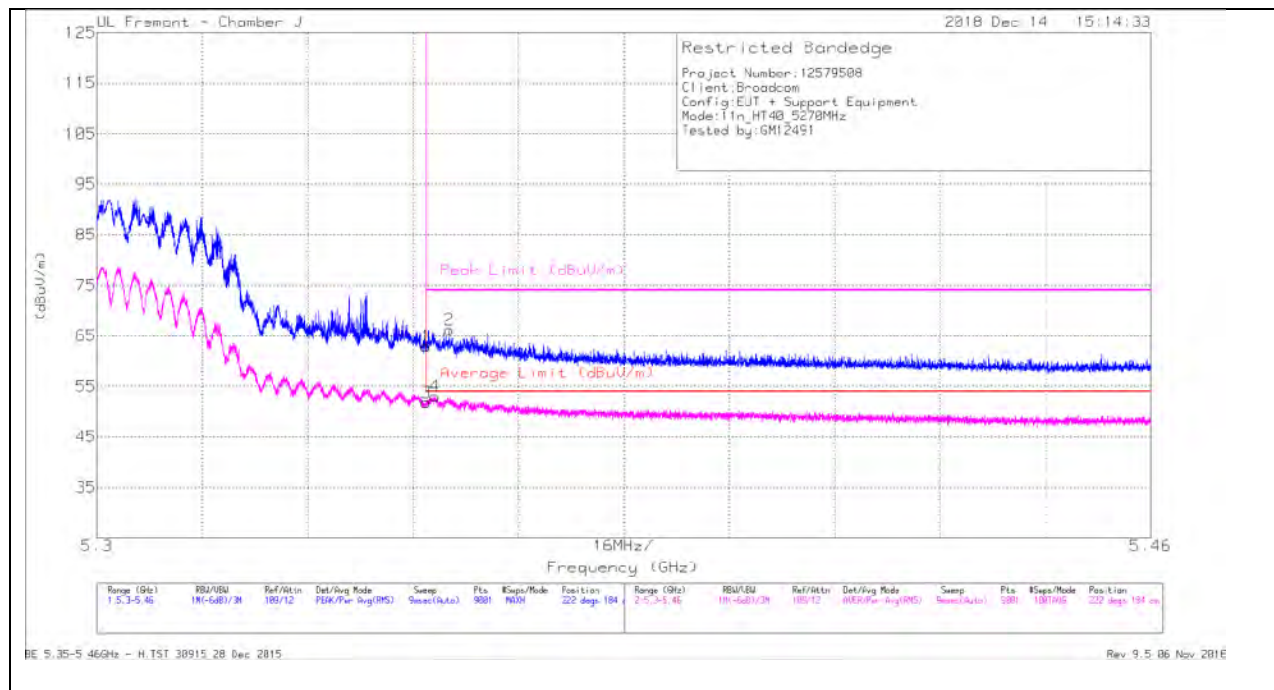
ADR - U-NII AD primary method, RMS average

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

2TX Antenna 1 + Antenna 2 CDD MODE

BANDEDGE (CHANNEL 54)

HORIZONTAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dB/m)	Ampl/Cbl/Ftr /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	37.3	Pk	34.3	-8.7	62.9	-	-	74	-11.1	222	184	H
2	* 5.354	40.53	Pk	34.4	-8.7	66.23	-	-	74	-7.77	222	184	H
3	* 5.35	26.15	RMS	34.3	-8.7	51.75	54	-2.25	-	-	222	184	H
4	* 5.351	27.47	RMS	34.3	-8.7	53.07	54	-93	-	-	222	184	H

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

Pk - Peak detector

RMS - RMS detection

UL Fremont - Chamber J

2018 Dec 14 15:24:55

Restricted Bandedge

Project Number: 12579508

Client: Broadcom

Config: EUT + Support Equipment

Mode: 11n HT40 5278MHz

Tested by: GM12451

Peak Limit (dBuV/m)

01

02

03

04

16MHz/

Frequency (GHz)

Range (GHz)	RBW/VBW	Ref/Att'n	Det/Avg Mode	Sweep	Pls	ESigs/Mode	Position	Range (GHz)	RBW/VBW	Ref/Att'n	Det/Avg Mode	Sweep	Pls	ESigs/Mode	Position
1.5-5.46	1M-400K/30	100/12	Peak/Off (Avg RMS)	Span (MHz)	3001	1600	113	2.5-5.46	1M-400K/30	100/12	Peak/Off (Avg RMS)	Span (MHz)	3001	1600	113

BE 5.35-5.46GHz - U.TST 30915 30 Dec 2015

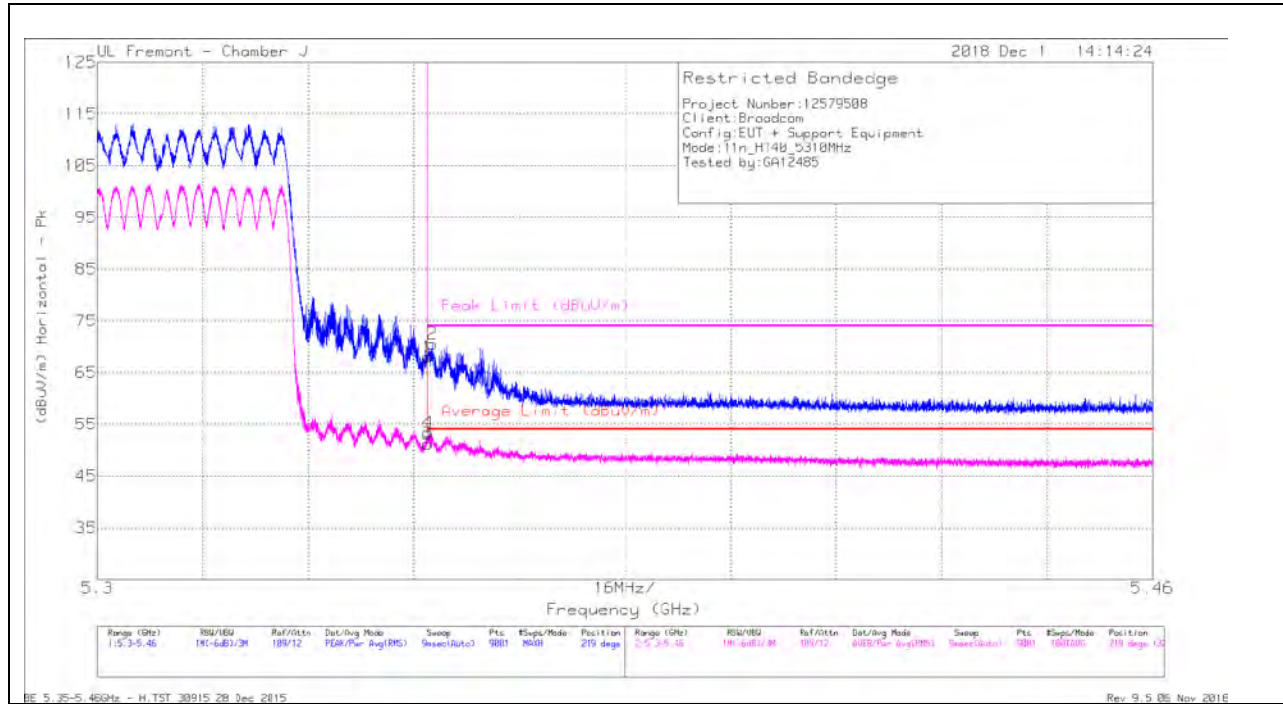
Rev 9.5 06 Nov 2016

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dB/m)	Amp/Cbl/Ftr /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	32.41	Pk	34.3	-8.7	58.01	-	-	74	-15.99	166	133	V
2	* 5.398	34.42	Pk	34.4	-8.2	60.62	-	-	74	-13.38	166	133	V
3	* 5.35	21.61	RMS	34.3	-8.7	47.21	54	-6.79	-	-	166	133	V
4	* 5.396	22.2	RMS	34.4	-8.2	48.4	54	-5.6	-	-	166	133	V

RMS - RMS detection

BANDEDGE (CHANNEL 62)

HORIZONTAL RESULT



Trace Markers

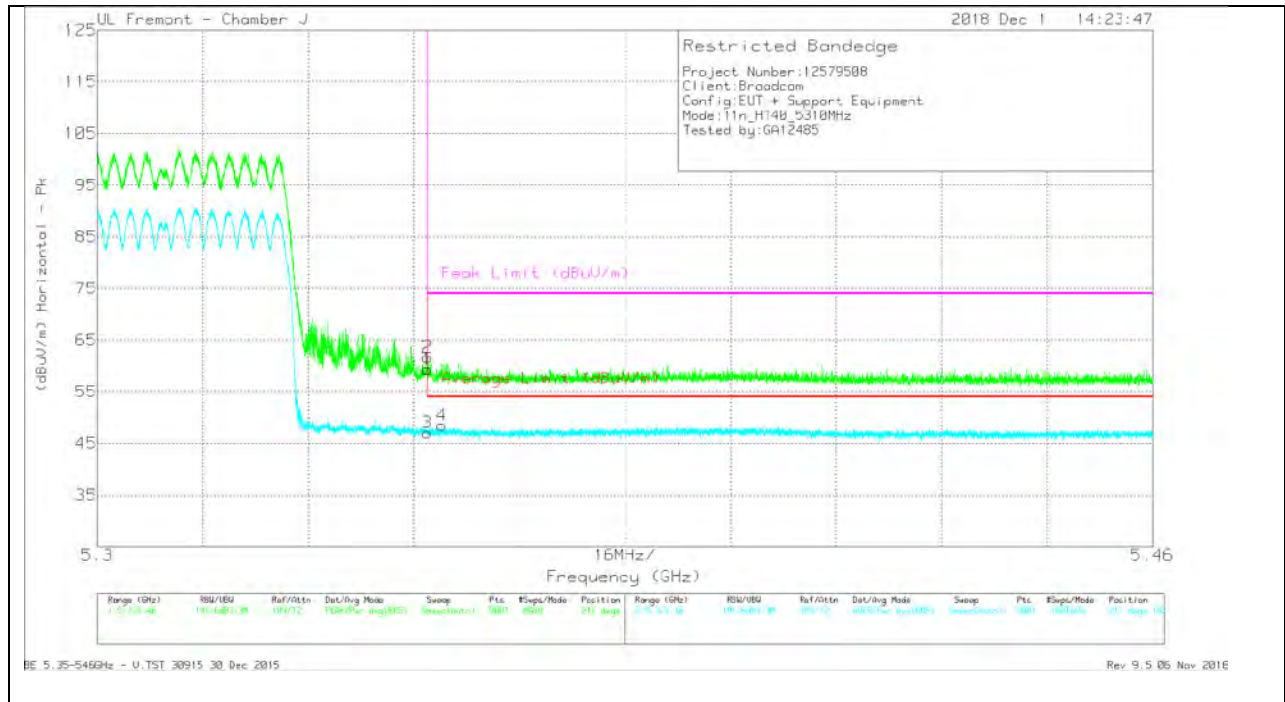
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dBm)	Amp/Cbl/Fitr /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	42.37	Pk	34.3	-8.7	67.97	-	-	74	-6.03	219	132	H
2	* 5.351	44.95	Pk	34.3	-8.7	70.55	-	-	74	-3.45	219	132	H
3	* 5.35	25.62	RMS	34.3	-8.7	51.22	54	-2.78	-	-	219	132	H
4	* 5.35	27.87	RMS	34.3	-8.7	53.47	54	-53	-	-	219	132	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dB/m)	Ampl/Chl/Filt /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	33.77	Pk	34.3	-8.7	59.37	-	-	74	-14.63	211	107	V
2	* 5.35	36.09	Pk	34.3	-8.7	61.69	-	-	74	-12.31	211	107	V
3	* 5.35	21.48	RMS	34.3	-8.7	47.08	54	-6.92	-	-	211	107	V
4	* 5.352	22.76	RMS	34.4	-8.7	48.46	54	-5.54	-	-	211	107	V

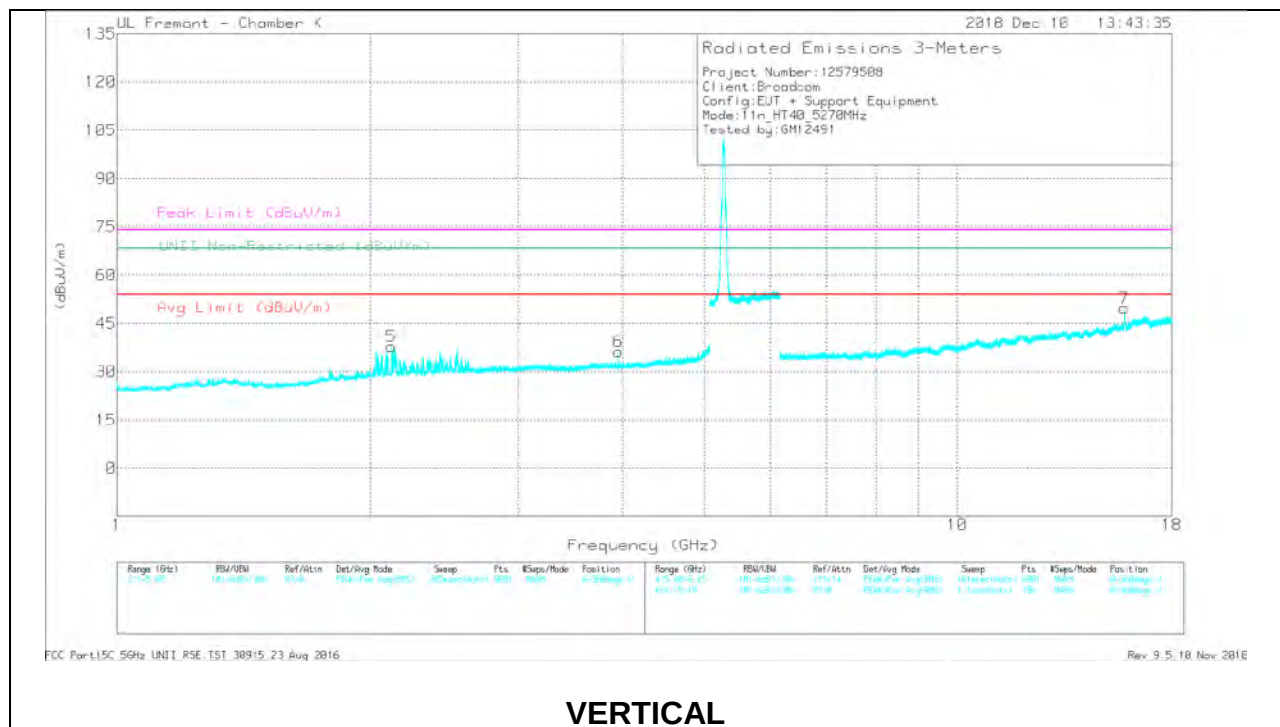
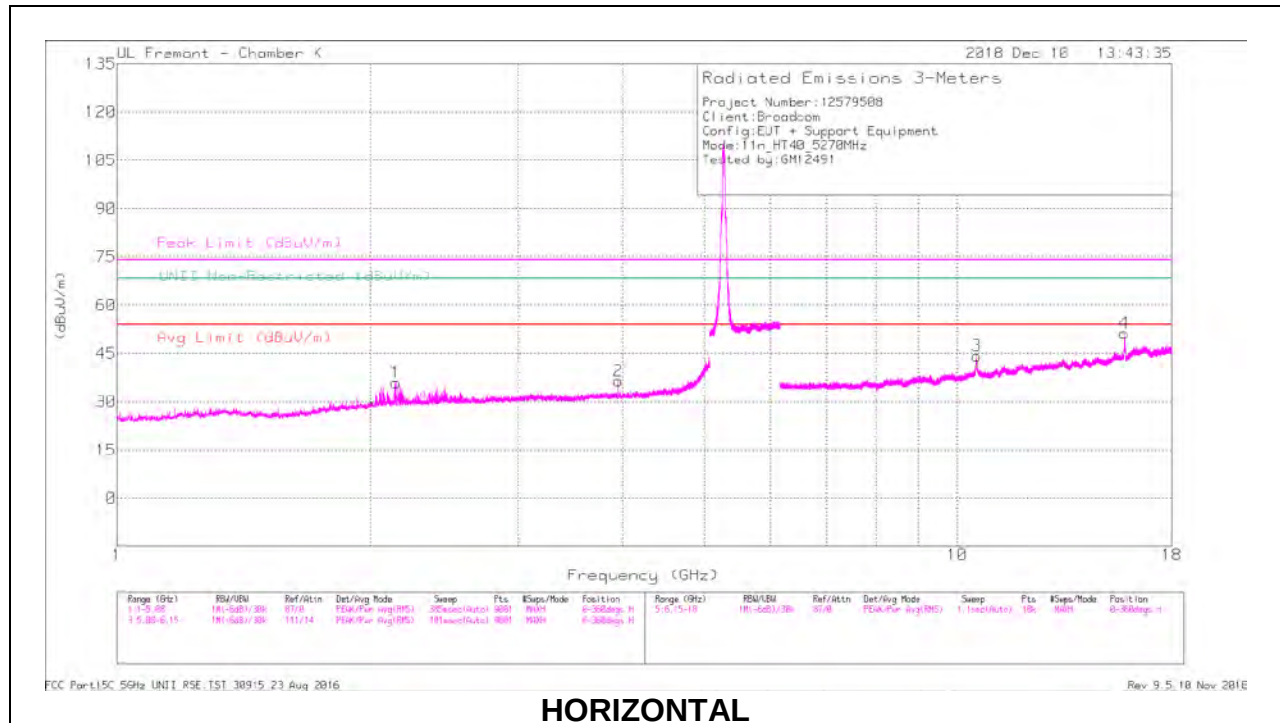
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

CHANNEL 54 RESULTS



RADIATED EMISSIONS

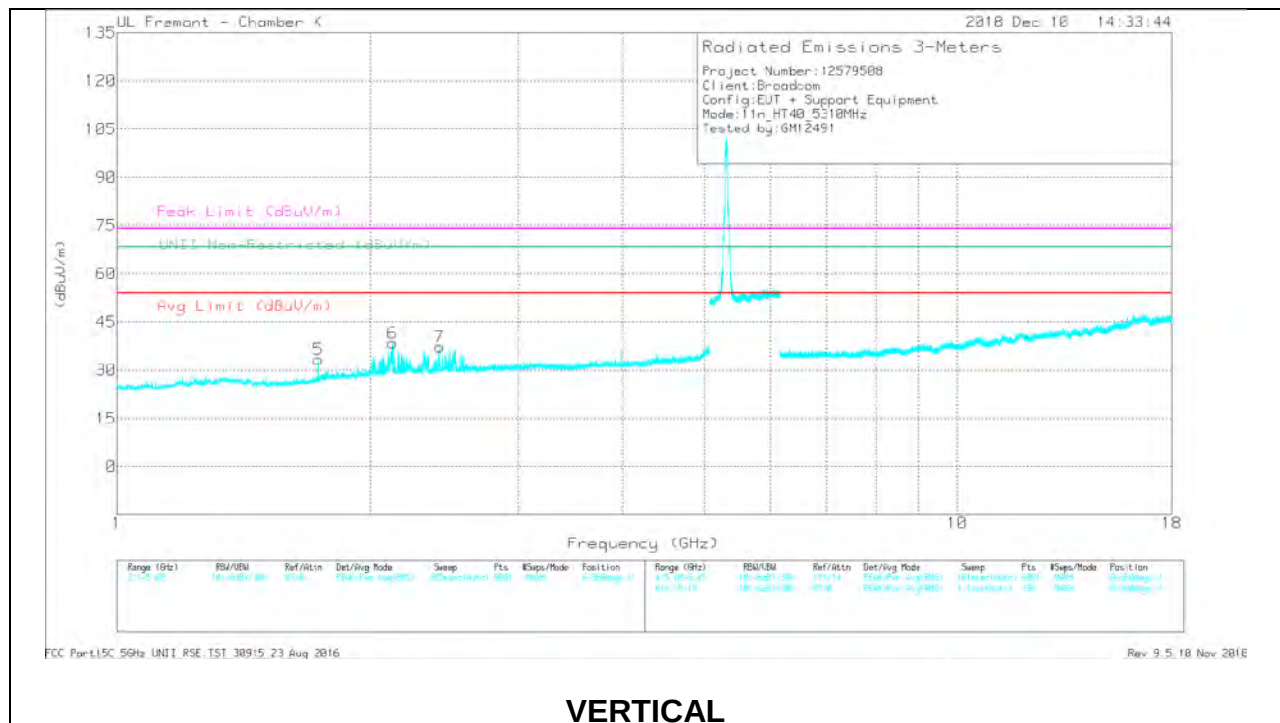
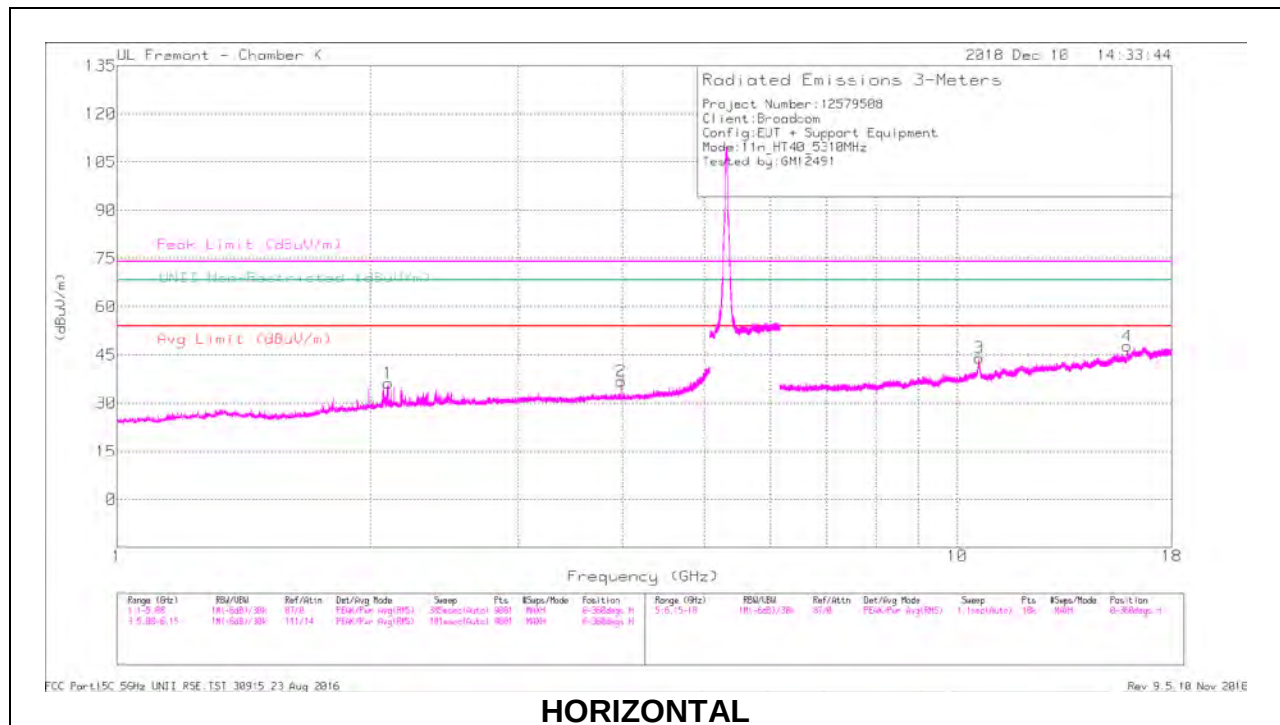
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Ftr/Pa d (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.144	50.37	PK-U	31.6	-35.1	46.87	-	-	-	-	68.2	-21.33	201	171	H
	2.146	32.09	ADR	31.6	-35.1	28.59	-	-	-	-	-	-	201	171	H
2	* 3.953	39.62	PK-U	33.4	-31.5	41.52	-	-	74	-32.48	-	-	319	116	H
	* 3.952	33.43	ADR	33.4	-31.5	35.33	54	-18.67	-	-	-	-	319	116	H
5	2.124	52.62	PK-U	31.6	-35.2	49.02	-	-	-	-	68.2	-19.18	150	243	V
	2.121	32.08	ADR	31.6	-35.2	28.48	-	-	-	-	-	-	150	243	V
6	* 3.952	39.23	PK-U	33.4	-31.5	41.13	-	-	74	-32.87	-	-	220	164	V
	* 3.952	32.87	ADR	33.4	-31.5	34.77	54	-19.23	-	-	-	-	220	164	V
3	10.556	36.56	PK-U	37.7	-22.6	51.66	-	-	-	-	68.2	-16.54	352	170	H
	10.556	26.91	ADR	37.7	-22.6	42.01	-	-	-	-	-	-	352	170	H
4	* 15.797	35.15	PK-U	40.9	-18.1	57.95	-	-	74	-16.05	-	-	347	199	H
	* 15.797	25.5	ADR	40.9	-18.1	48.3	54	-5.7	-	-	-	-	347	199	H
7	* 15.805	35.28	PK-U	40.9	-18.1	58.08	-	-	74	-15.92	-	-	220	213	V
	* 15.802	25.74	ADR	40.9	-18.1	48.54	54	-5.46	-	-	-	-	220	213	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

CHANNEL 62 RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Ftr/Pa d (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	2.101	49.27	PK-U	31.6	-35.1	45.77	-	-	-	-	68.2	-22.43	200	207	H
	2.103	32.5	ADR	31.6	-35.1	29	-	-	-	-	-	-	200	207	H
2	* 3.983	39.6	PK-U	33.4	-31.5	41.5	-	-	74	-32.5	-	-	334	217	H
	* 3.983	32.89	ADR	33.4	-31.5	34.79	54	-19.21	-	-	-	-	334	217	H
5	1.736	40.56	PK-U	29.4	-35.3	34.66	-	-	-	-	68.2	-33.54	257	247	V
	1.735	31.84	ADR	29.3	-35.2	25.94	-	-	-	-	-	-	257	247	V
6	2.13	49	PK-U	31.6	-35.2	45.4	-	-	-	-	68.2	-22.8	142	215	V
	2.129	32.28	ADR	31.6	-35.2	28.68	-	-	-	-	-	-	142	215	V
7	2.421	43.79	PK-U	32.1	-35	40.89	-	-	-	-	68.2	-27.31	65	222	V
	2.419	31.77	ADR	32.1	-35	28.87	-	-	-	-	-	-	65	222	V
3	* 10.62	36.19	PK-U	37.7	-22.8	51.09	-	-	74	-22.91	-	-	7	165	H
	* 10.617	26.46	ADR	37.7	-22.7	41.46	54	-12.54	-	-	-	-	7	165	H
4	* 15.94	31.22	PK-U	40.9	-17.9	54.22	-	-	74	-19.78	-	-	49	159	H
	* 15.94	21.94	ADR	40.9	-17.9	44.94	54	-9.06	-	-	-	-	49	159	H

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

PK-U - U-NII: Maximum Peak

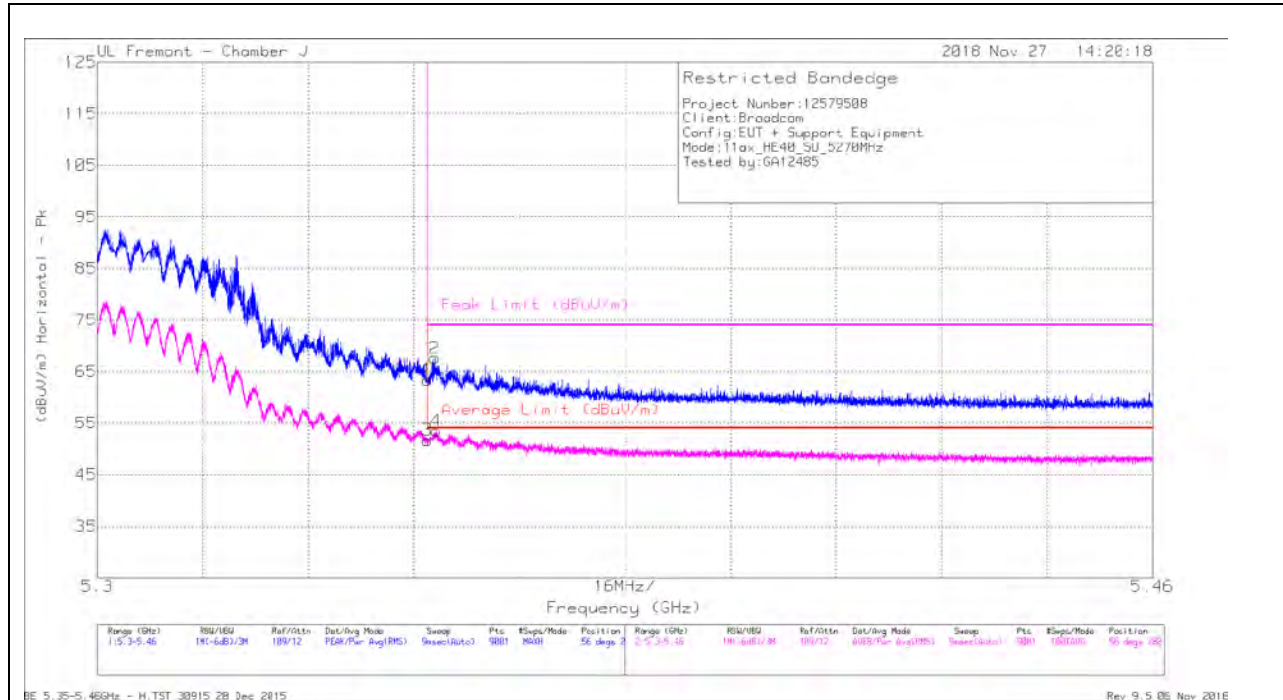
ADR - U-NII AD primary method, RMS average

9.1.10. TX ABOVE 1 GHz 802.11ax HE40 MODE IN THE 5.3 GHz BAND

2TX Antenna 1 + Antenna 2 CDD MODE

BANDEDGE (CHANNEL 54)

HORIZONTAL RESULT



Trace Markers

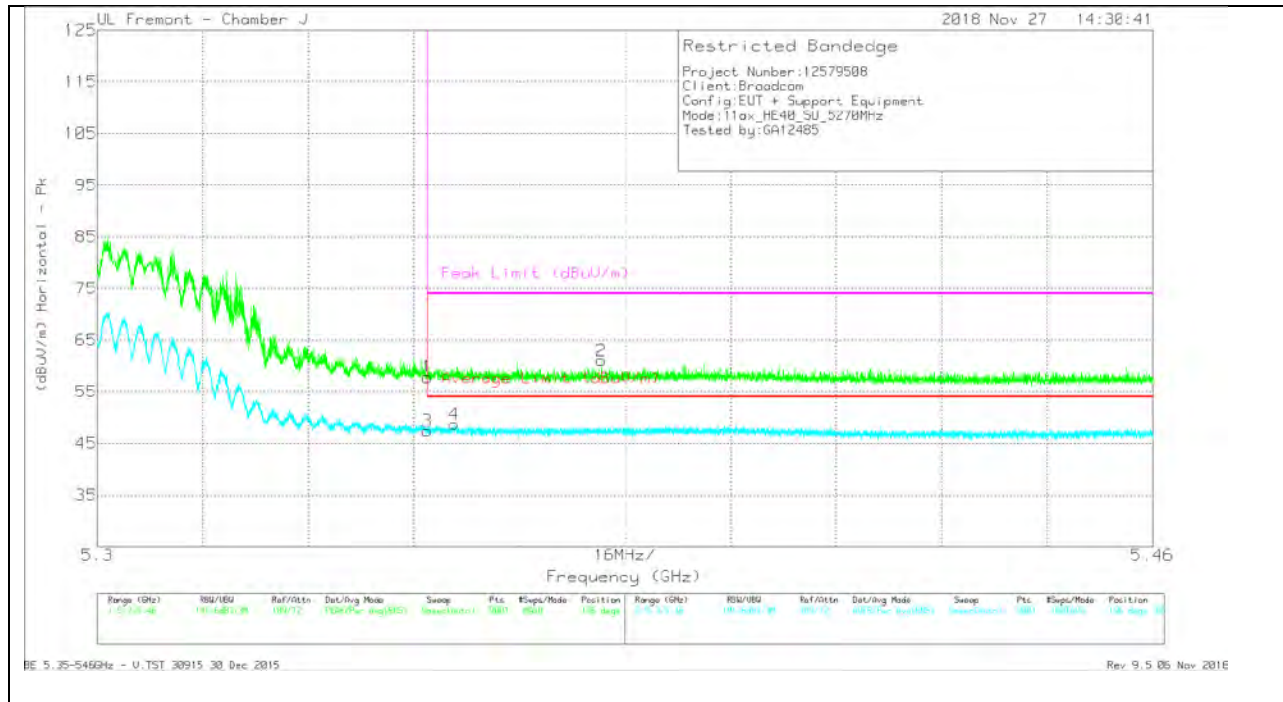
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dBm)	Ampl/Cbl/Ftr /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	37.82	Pk	34.3	-8.7	63.42	-	-	74	-10.58	56	282	H
2	* 5.351	42.01	Pk	34.3	-8.7	67.61	-	-	74	-6.39	56	282	H
3	* 5.35	26.07	RMS	34.3	-8.7	51.67	54	-2.33	-	-	56	282	H
4	* 5.351	27.91	RMS	34.3	-8.7	53.51	54	-4.9	-	-	56	282	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



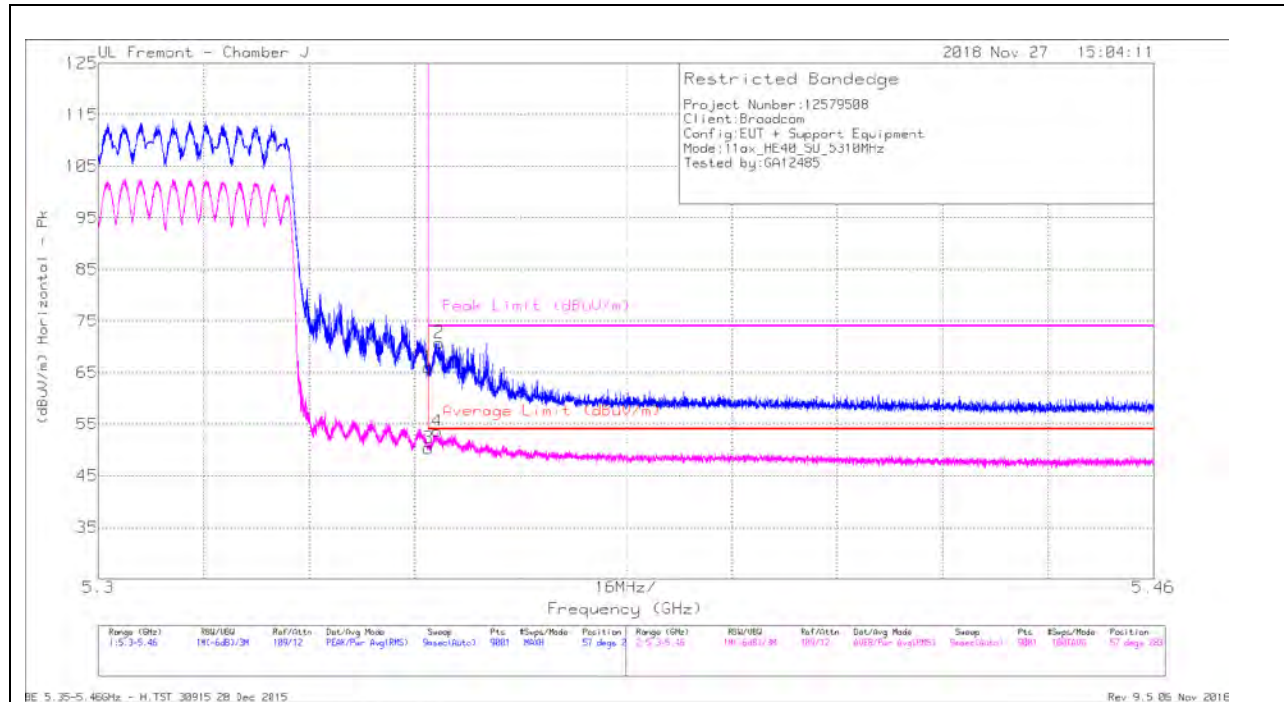
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dB/m)	Amp/Cbl/Ftr /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	32.22	Pk	34.3	-8.7	57.82	-	-	74	-16.18	196	335	V
2	* 5.376	35.13	Pk	34.4	-8.5	61.03	-	-	74	-12.97	196	335	V
3	* 5.35	21.81	RMS	34.3	-8.7	47.41	54	-6.59	-	-	196	335	V
4	* 5.354	23.03	RMS	34.4	-8.7	48.73	54	-5.27	-	-	196	335	V

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

Pk - Peak detector

RMS - RMS detection

BANEDGE (CHANNEL 62)**HORIZONTAL RESULT****Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dBm)	Ampl/Cbl/Ftr /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	40.5	Pk	34.3	-8.7	66.1	-	-	74	-7.9	57	283	H
2	* 5.352	45.1	Pk	34.4	-8.7	70.8	-	-	74	-3.2	57	283	H
3	* 5.35	24.79	RMS	34.3	-8.7	50.39	54	-3.61	-	-	57	283	H
4	* 5.351	28.07	RMS	34.3	-8.7	53.67	54	-3.33	-	-	57	283	H

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

Pk - Peak detector

RMS - RMS detection

UL Fremont - Chamber J

2018 Nov 27 15:15:38

Restricted Bandedge

Project Number: 12579508
Client: Broadcom
Config: EUT + Support Equipment
Mode: 11ax_HE40_SU_5318MHz
Tested by: GA12485

(dBW/m) Horizontal - Pk

Peak Limit (dBW/m)

Average Limit (dBW/m)

16MHz/
Frequency (GHz)

Range (GHz)	RBW/EBW	Ref/Att	Det/Avg Mode	Sweep	PLC	Exp/Mode	Position	Range (GHz)	RBW/EBW	Ref/Att	Det/Avg Mode	Sweep	PLC	Exp/Mode	Position
5.315-5.46	100-4000	0dB/72	VBW (Pwr Avg) (MS)	Normal (0.001)	5001	dB	pt edge	5.315-5.46	100-4000	0dB/72	VBW (Pwr Avg) (MS)	Normal (0.001)	5001	dB	pt edge

BE 5.35-5.46GHz - U.TSI 30915 30 Dec 2015

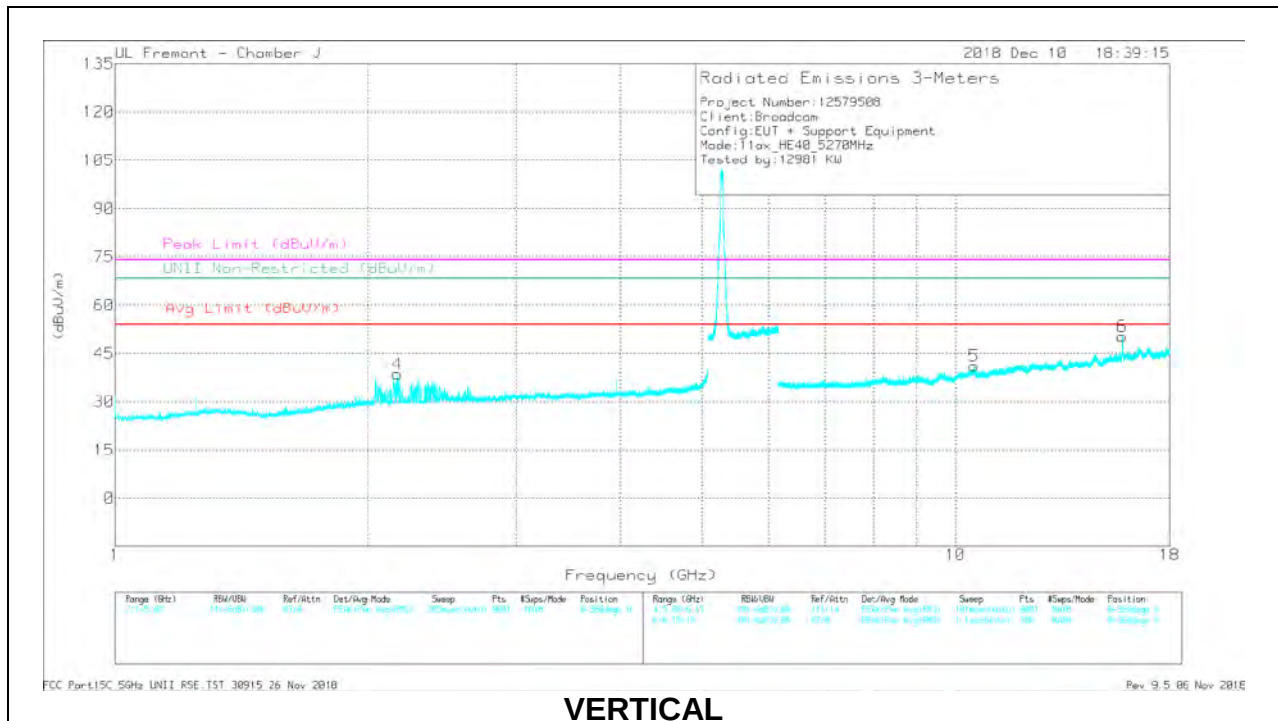
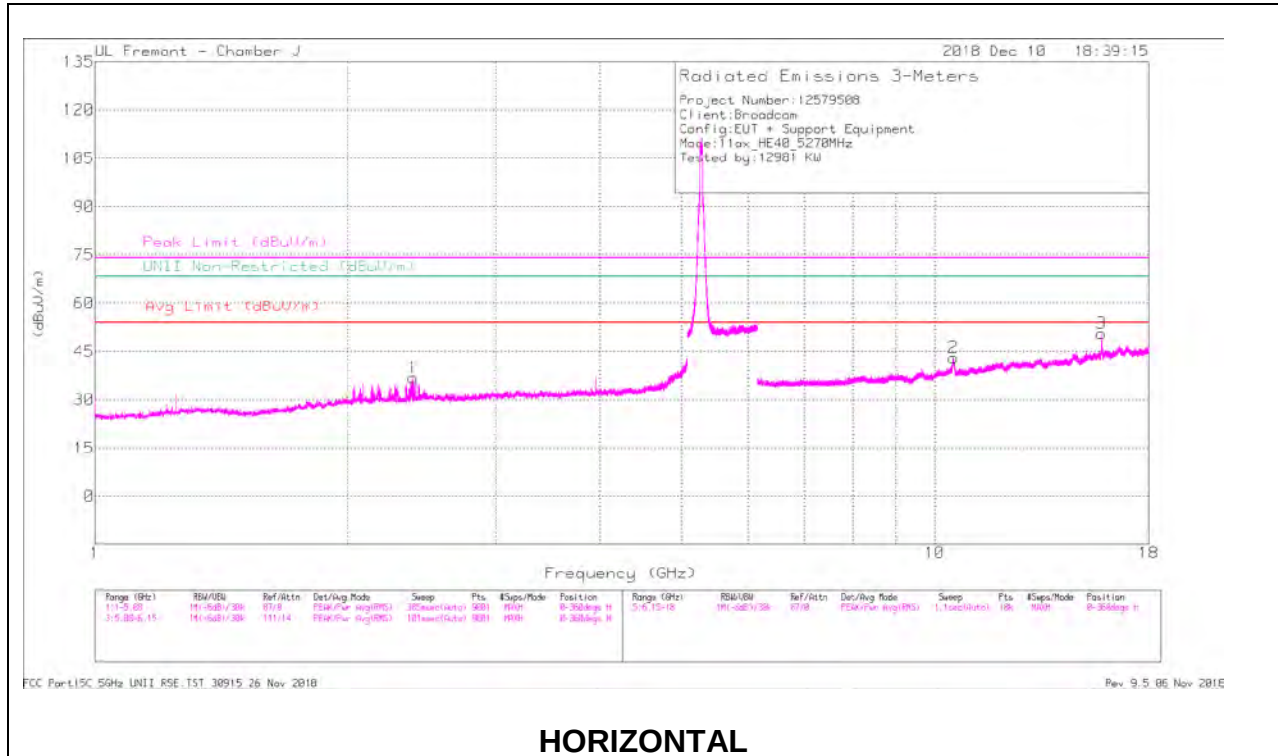
Rev. 9.5 05 Nov 2016

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dBm)	Amp/Ctrl/Filt /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	35	Pk	34.3	-8.7	60.6	-	-	74	-13.4	61	273	V
2	* 5.355	39.61	Pk	34.4	-8.7	65.31	-	-	74	-8.69	61	273	V
3	* 5.35	22.47	RMS	34.3	-8.7	48.07	54	-5.93	-	-	61	273	V
4	* 5.393	22.35	RMS	34.4	-8.3	48.45	54	-5.55	-	-	61	273	V

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

CHANNEL 54 RESULTS



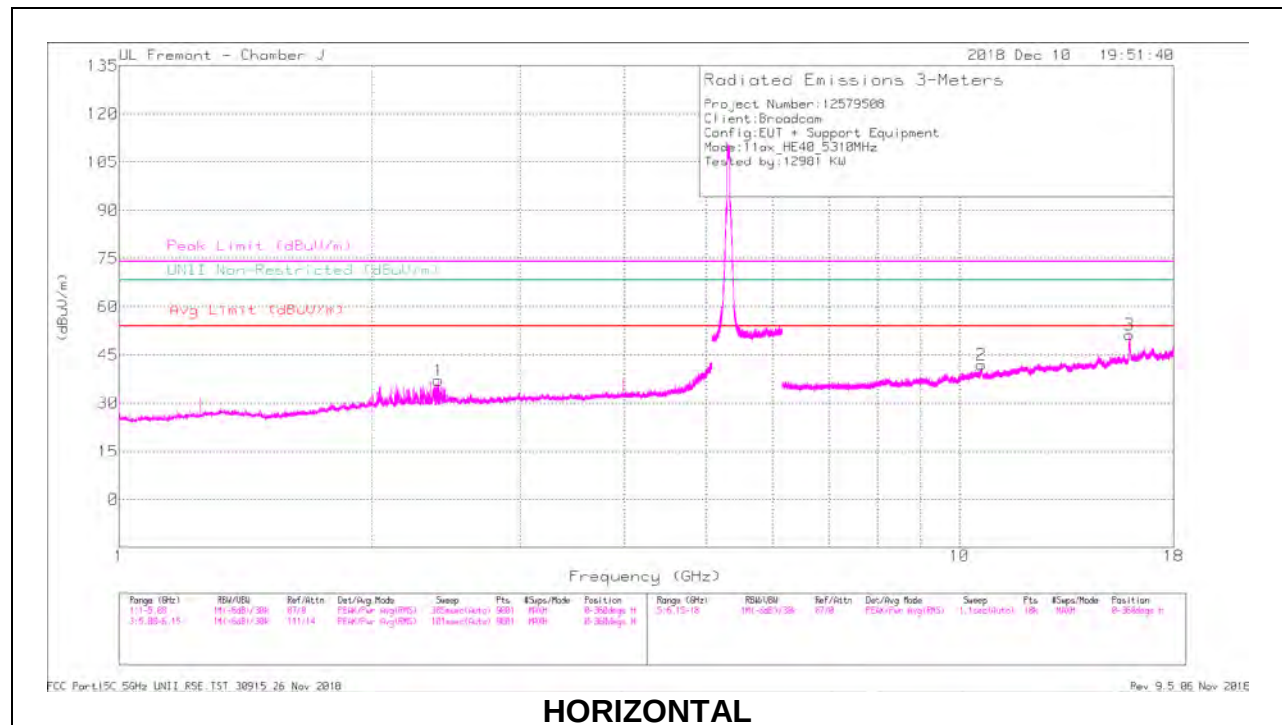
RADIATED EMISSIONS

Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.391	49.3	PK-U	32	-35.5	45.8	-	-	-	-	68.2	-22.4	351	104	H
2.167	49.4	PK-U	31.8	-35.5	45.7	-	-	-	-	68.2	-22.5	162	108	V
* 15.802	40.92	PK-U	40.4	-20.3	61.02	-	-	74	-12.98	-	-	44	137	H
* 15.804	28.93	ADR	40.4	-20.3	49.03	54	-4.97	-	-	-	-	44	137	H
10.529	38.8	PK-U	37.5	-25.4	50.9	-	-	-	-	68.2	-17.3	179	193	H
* 15.797	43.25	PK-U	40.4	-20.3	63.35	-	-	74	-10.65	-	-	207	214	V
* 15.799	28.58	ADR	40.4	-20.3	48.68	54	-5.32	-	-	-	-	207	214	V
10.524	36.6	PK-U	37.5	-25.4	48.7	-	-	-	-	68.2	-19.5	156	252	V

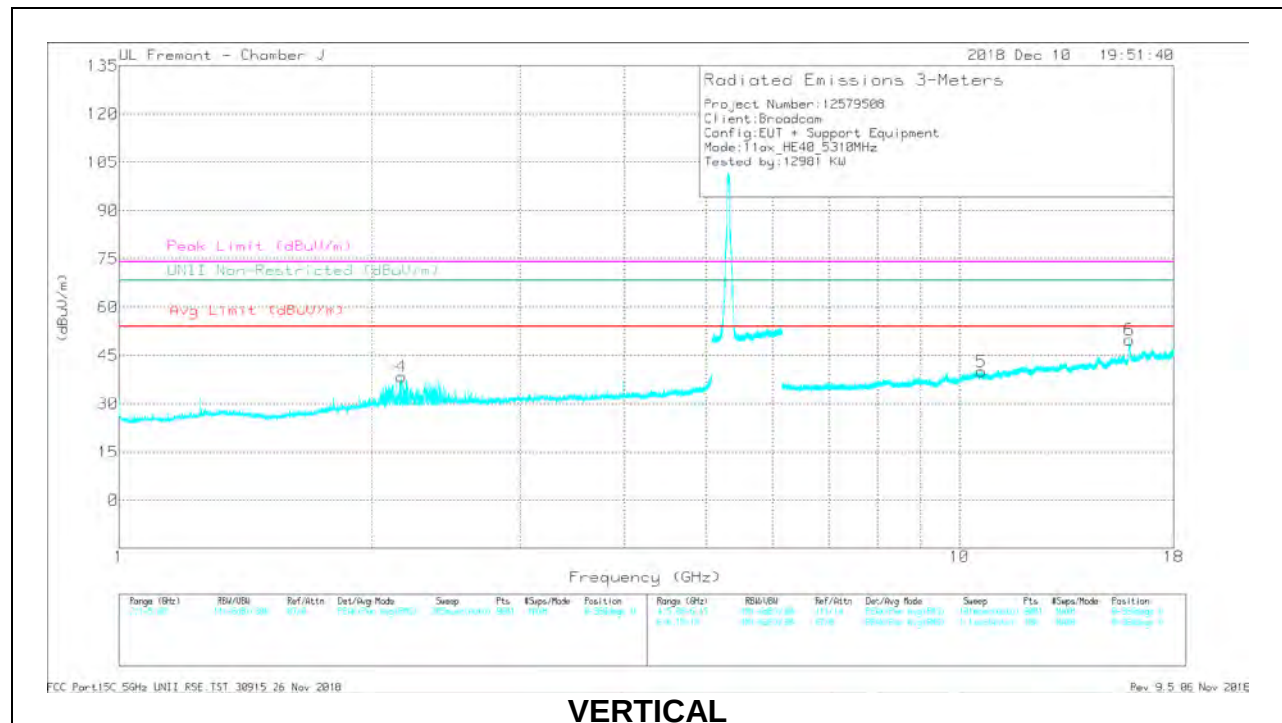
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.397	47.34	PK-U	32	-35.5	43.84	-	-	-	-	68.2	-24.36	349	145	H
2.172	46.58	PK-U	31.8	-35.6	42.78	-	-	-	-	68.2	-25.42	163	106	V
* 15.938	40.31	PK-U	40.4	-19.9	60.81	-	-	74	-13.19	-	-	61	199	H
* 15.938	27.54	ADR	40.4	-19.9	48.04	54	-5.96	-	-	-	-	61	199	H
* 10.615	37.1	PK-U	37.6	-25.1	49.6	-	-	74	-24.4	-	-	50	241	H
* 10.616	27.58	ADR	37.6	-25.1	40.08	54	-13.92	-	-	-	-	50	241	H
* 15.937	40.16	PK-U	40.4	-19.9	60.66	-	-	74	-13.34	-	-	207	285	V
* 15.937	29.01	ADR	40.4	-19.9	49.51	54	-4.49	-	-	-	-	207	285	V
* 10.623	36.33	PK-U	37.6	-25.1	48.83	-	-	74	-25.17	-	-	224	378	V
* 10.625	26.93	ADR	37.6	-25.1	39.43	54	-14.57	-	-	-	-	224	378	V

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

PK-U - U-NII: Maximum Peak

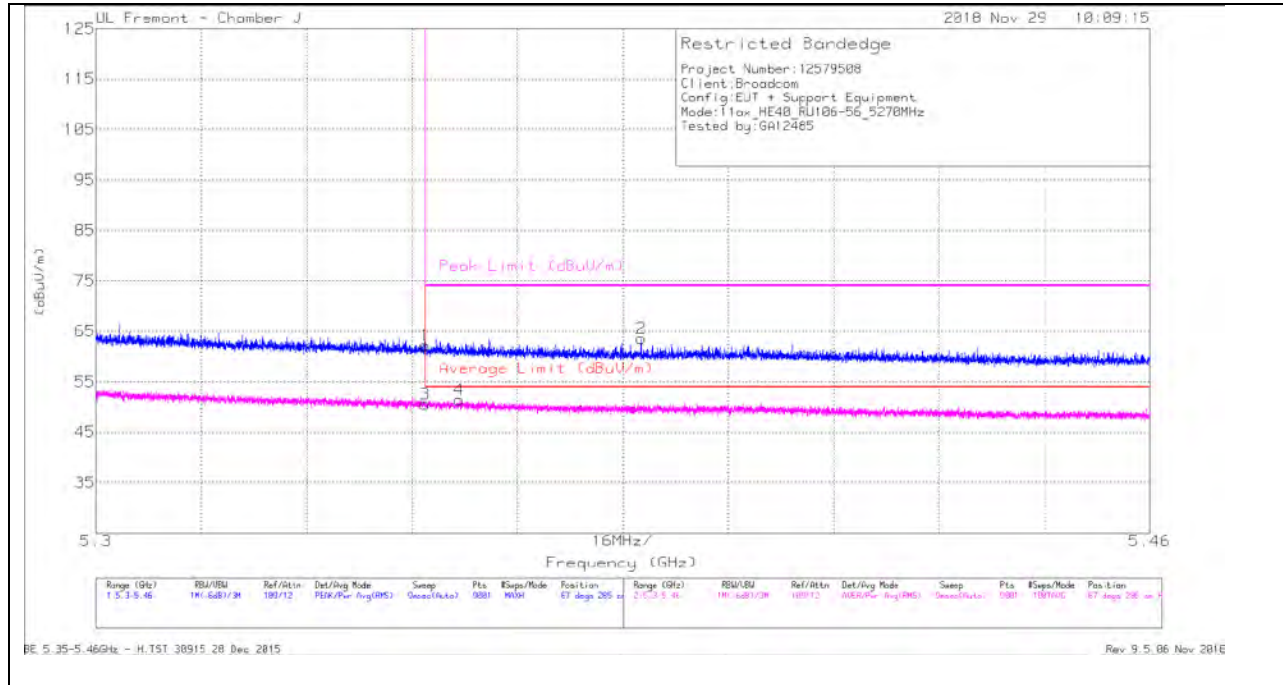
ADR - U-NII AD primary method, RMS average

9.1.11. TX ABOVE 1 GHz 802.11ax HE40 MODE IN THE 5.3 GHz BAND CHANNEL 54 RU106 INDEX 56

2TX Antenna 1 + Antenna 2 CDD MODE

BANDEDGE

HORIZONTAL RESULT



Trace Markers

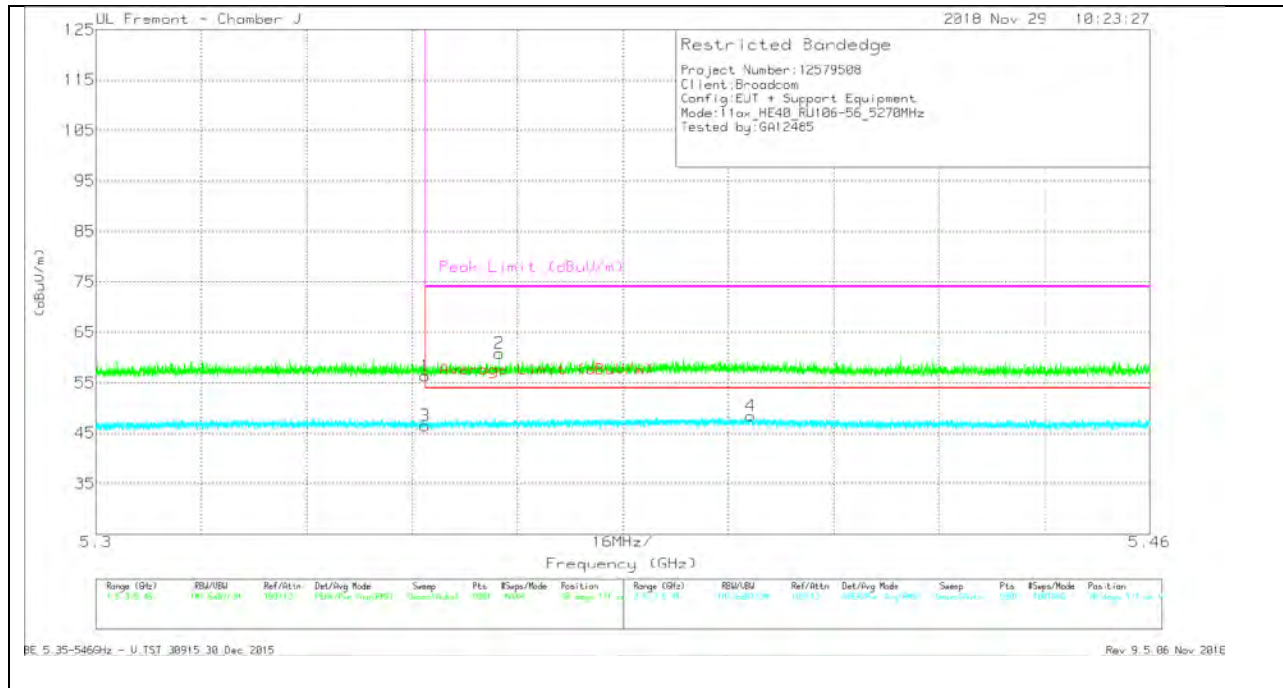
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dB/m)	Ampl/Cbl/Ftr /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	36.56	Pk	34.3	-8.7	62.16	-	-	74	-11.84	67	285	H
2	* 5.383	37.59	Pk	34.4	-8.4	63.59	-	-	74	-10.41	67	285	H
3	* 5.35	24.92	RMS	34.3	-8.7	50.52	54	-3.48	-	-	67	285	H
4	* 5.355	25.67	RMS	34.4	-8.7	51.37	54	-2.63	-	-	67	285	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dB/m)	Amp/Cbl/Ftr /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	30.82	Pk	34.3	-8.7	56.42	-	-	74	-17.58	78	171	V
2	* 5.361	35.1	Pk	34.4	-8.7	60.8	-	-	74	-13.2	78	171	V
3	* 5.35	20.9	RMS	34.3	-8.7	46.5	54	-7.5	-	-	78	171	V
4	* 5.399	22.29	RMS	34.4	-8.3	48.39	54	-5.61	-	-	78	171	V

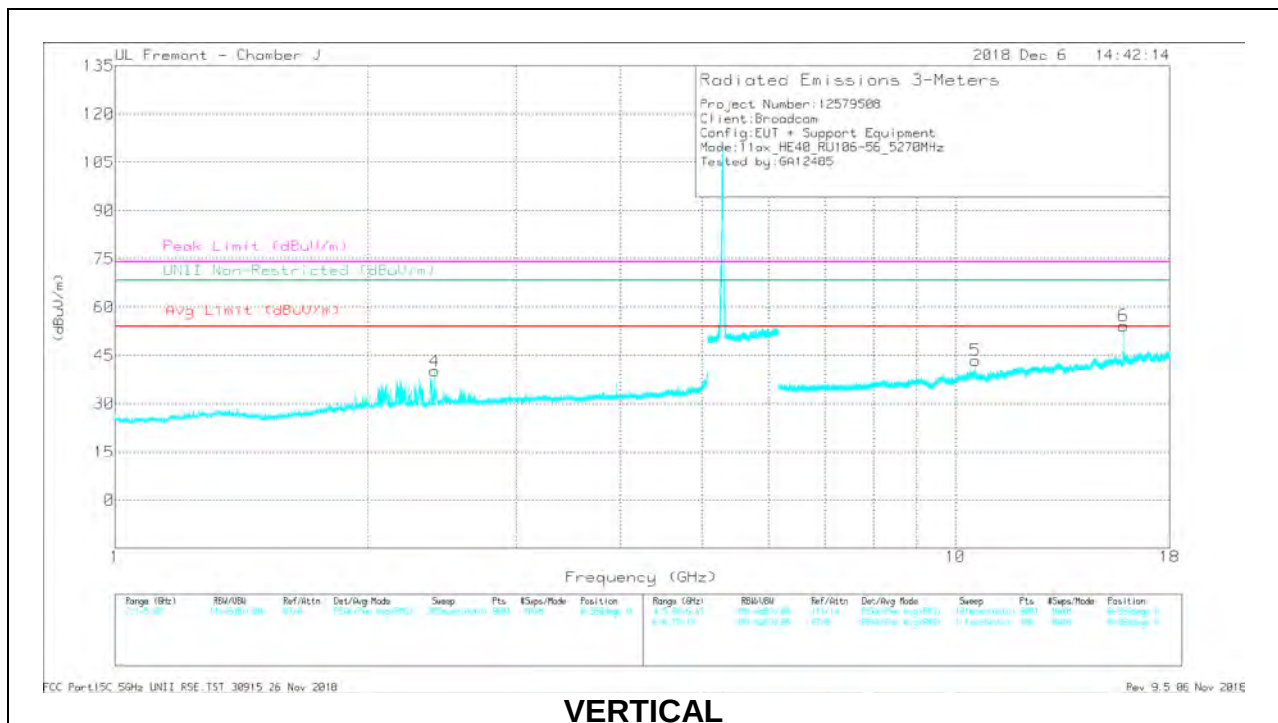
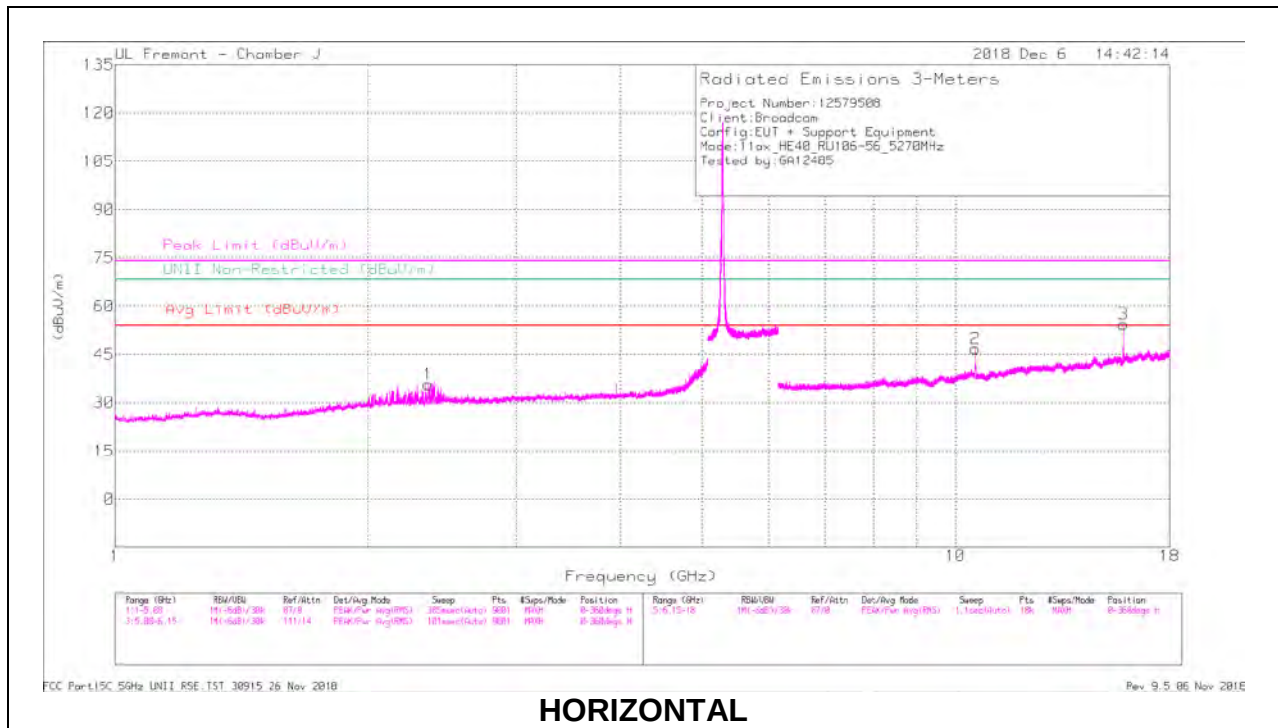
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dBm)	Amp/Cbl/Ftr/Pa d (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNI Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.358	47.72	PK-U	31.9	-35.4	44.22	-	-	74	-29.78	-	-	223	250	H
	* 2.359	32.51	ADR	31.9	-35.4	29.01	54	-24.99	-	-	-	-	223	250	H
4	2.401	48.39	PK-U	32.1	-35.5	44.99	-	-	-	-	68.2	-23.21	260	353	V
3	* 15.852	42.13	PK-U	40.5	-20	62.63	-	-	74	-11.37	-	-	38	195	H
	* 15.854	32.99	ADR	40.5	-20	53.49	54	-51	-	-	-	-	38	195	H
2	10.57	44.87	PK-U	37.5	-25.3	57.07	-	-	-	-	68.2	-11.13	67	154	H
5	10.573	39.77	PK-U	37.5	-25.3	51.97	-	-	-	-	68.2	-16.23	228	385	V
6	* 15.856	42.09	PK-U	40.4	-20	62.49	-	-	74	-11.51	-	-	219	218	V
	* 15.855	32.92	ADR	40.4	-20	53.32	54	-68	-	-	-	-	219	218	V

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

PK-U - U-NII: Maximum Peak

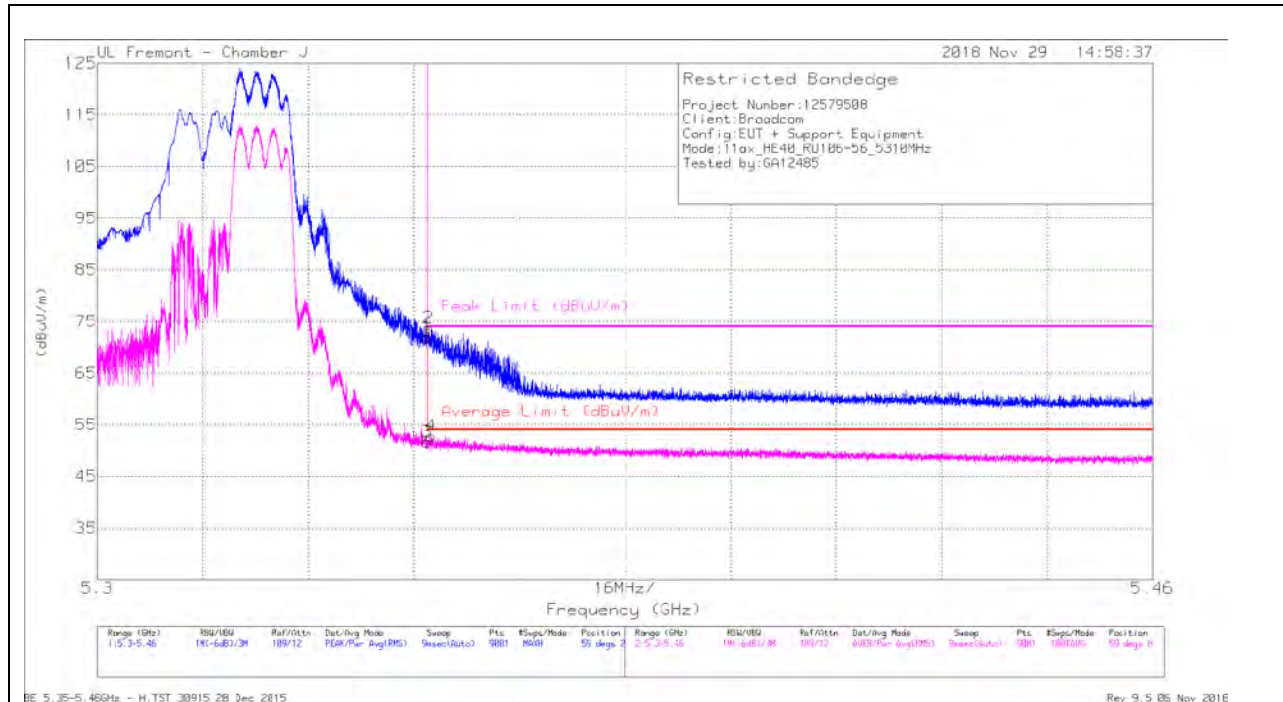
ADR - U-NII AD primary method, RMS average

9.1.12. TX ABOVE 1 GHz 802.11ax HE40 MODE IN THE 5.3 GHz BAND CHANNEL 62 RU106 INDEX 56

2TX Antenna 1 + Antenna 2 CDD MODE

BANDEDGE

HORIZONTAL RESULT



Trace Markers

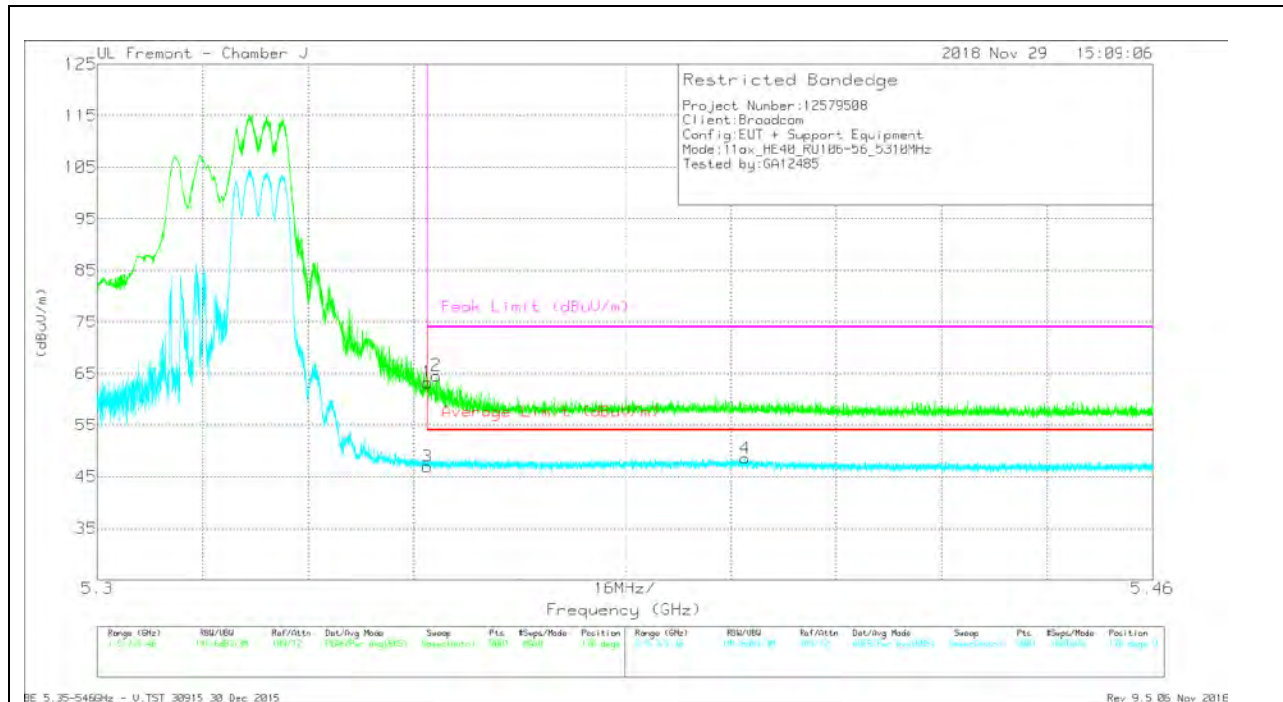
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dBm)	Ampl/Cbl/Ftr /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	46.35	Pk	34.3	-8.7	71.95	-	-	74	-2.05	59	285	H
2	* 5.35	48.12	Pk	34.3	-8.7	73.72	-	-	74	-2.28	59	285	H
3	* 5.35	26.03	RMS	34.3	-8.7	51.63	54	-2.37	-	-	59	285	H
4	* 5.351	27.21	RMS	34.3	-8.7	52.81	54	-1.19	-	-	59	285	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dBm)	Amp/Cbl/Ftr /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	37.72	Pk	34.3	-8.7	63.32	-	-	74	-10.68	170	275	V
2	* 5.351	39	Pk	34.3	-8.7	64.6	-	-	74	-9.4	170	275	V
3	* 5.35	21.38	RMS	34.3	-8.7	46.98	54	-7.02	-	-	170	275	V
4	* 5.398	22.49	RMS	34.4	-8.3	48.59	54	-5.41	-	-	170	275	V

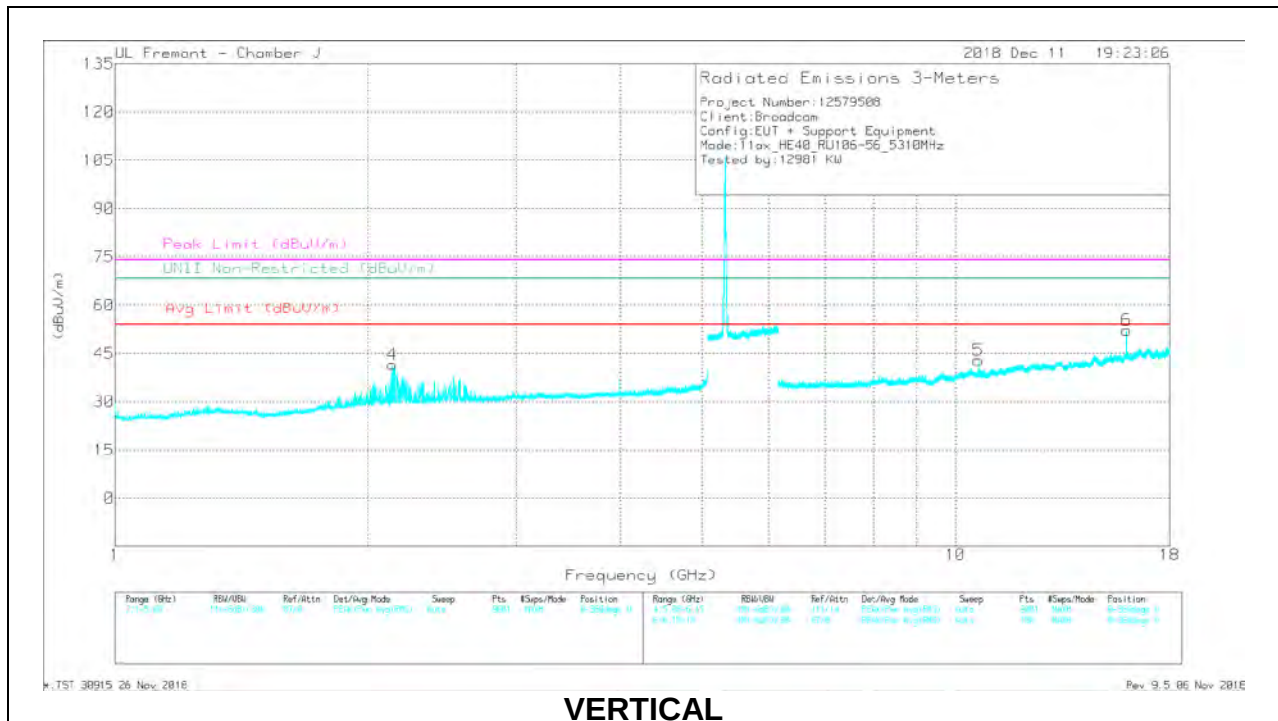
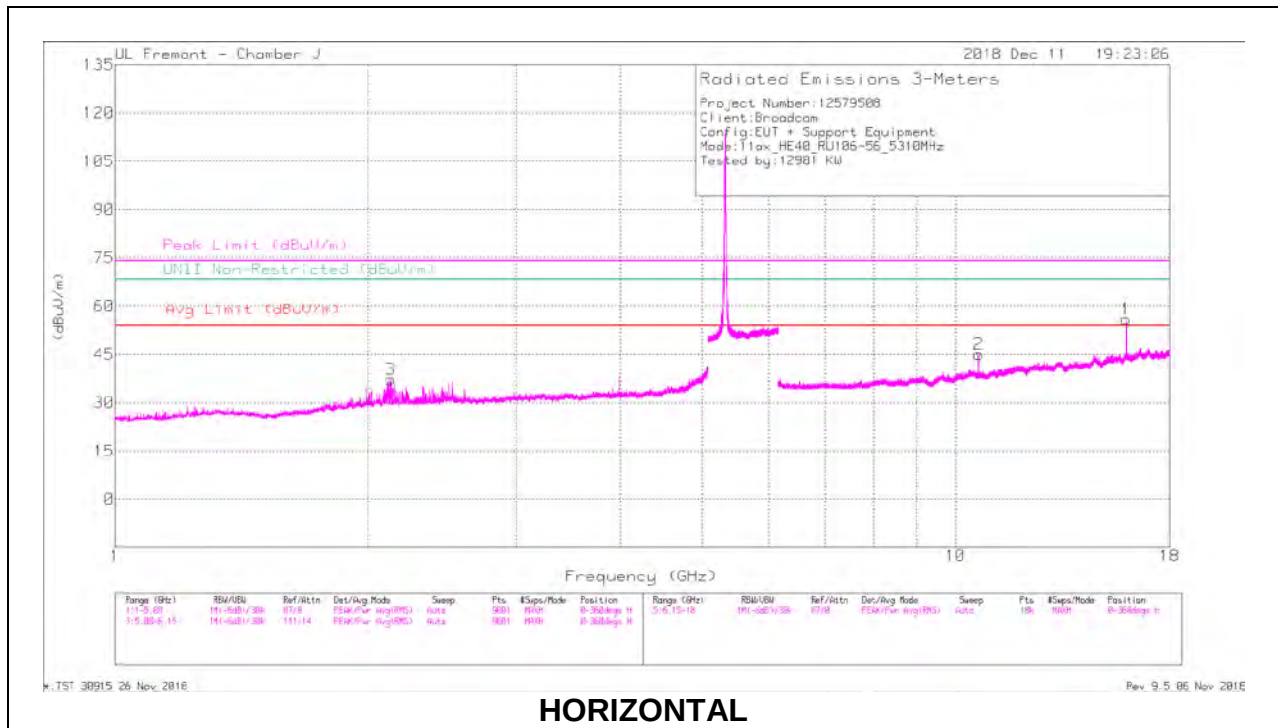
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

RESULTS



RADIATED EMISSIONS

Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dB/m)	Amp/Cbl/FitriPa d (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.126	49.2	PK-U	31.8	-35.5	45.5	-	-	-	-	68.2	-22.7	331	267	H
2.141	50.2	PK-U	31.8	-35.5	46.5	-	-	-	-	68.2	-21.7	246	241	V
* 15.975	45.66	PK-U	40.5	-20	66.16	-	-	74	-7.84	-	-	42	145	H
* 15.973	33.04	ADR	40.5	-20	53.54	54	-46	-	-	-	-	42	145	H
* 10.651	43.16	PK-U	37.6	-25	55.76	-	-	74	-18.24	-	-	187	209	H
* 10.651	32.59	ADR	37.6	-25	45.19	54	-8.81	-	-	-	-	187	209	H
* 15.979	43.13	PK-U	40.5	-20.1	63.53	-	-	74	-10.47	-	-	250	198	V
* 15.974	30.44	ADR	40.5	-20	50.94	54	-3.06	-	-	-	-	250	198	V
* 10.651	42.04	PK-U	37.6	-25.1	54.54	-	-	74	-19.46	-	-	192	236	V
* 10.65	30.23	ADR	37.6	-25.1	42.73	54	-11.27	-	-	-	-	192	236	V

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

PK-U - U-NII: Maximum Peak

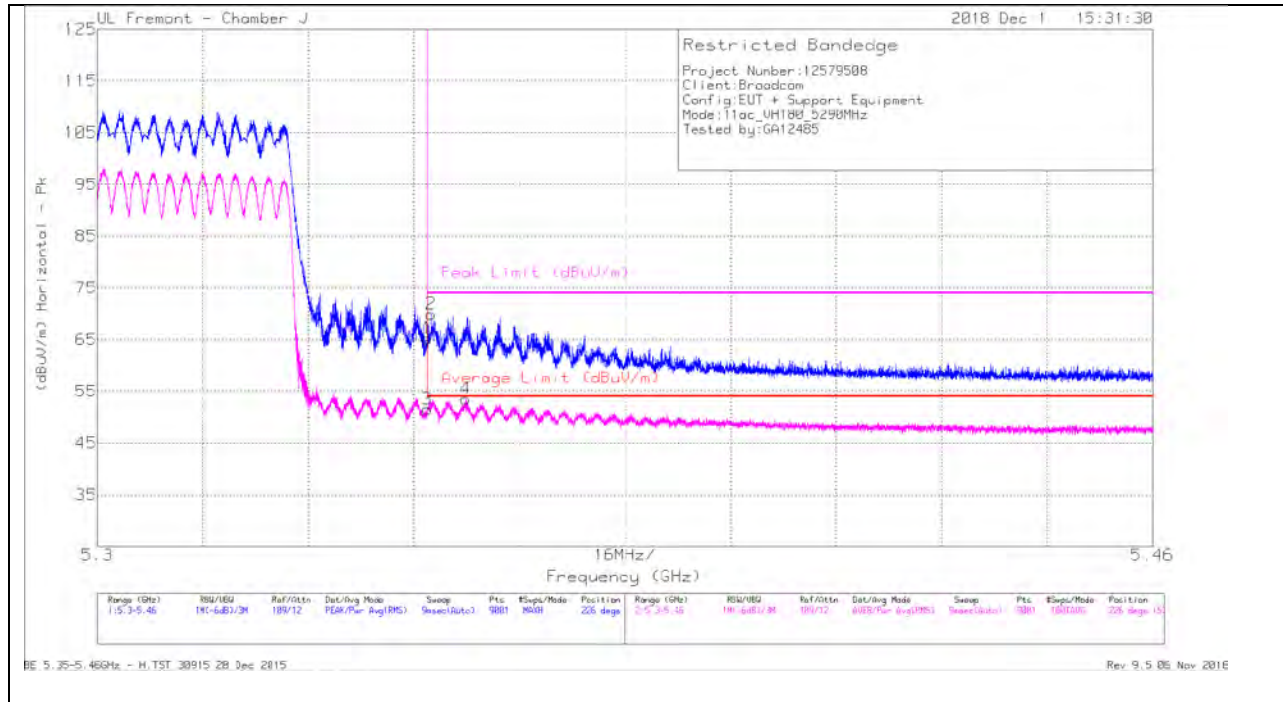
ADR - U-NII AD primary method, RMS average

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

2TX Antenna 1 + Antenna 2 CDD MODE

BANDEDGE (CHANNEL 58)

HORIZONTAL RESULT



Trace Markers

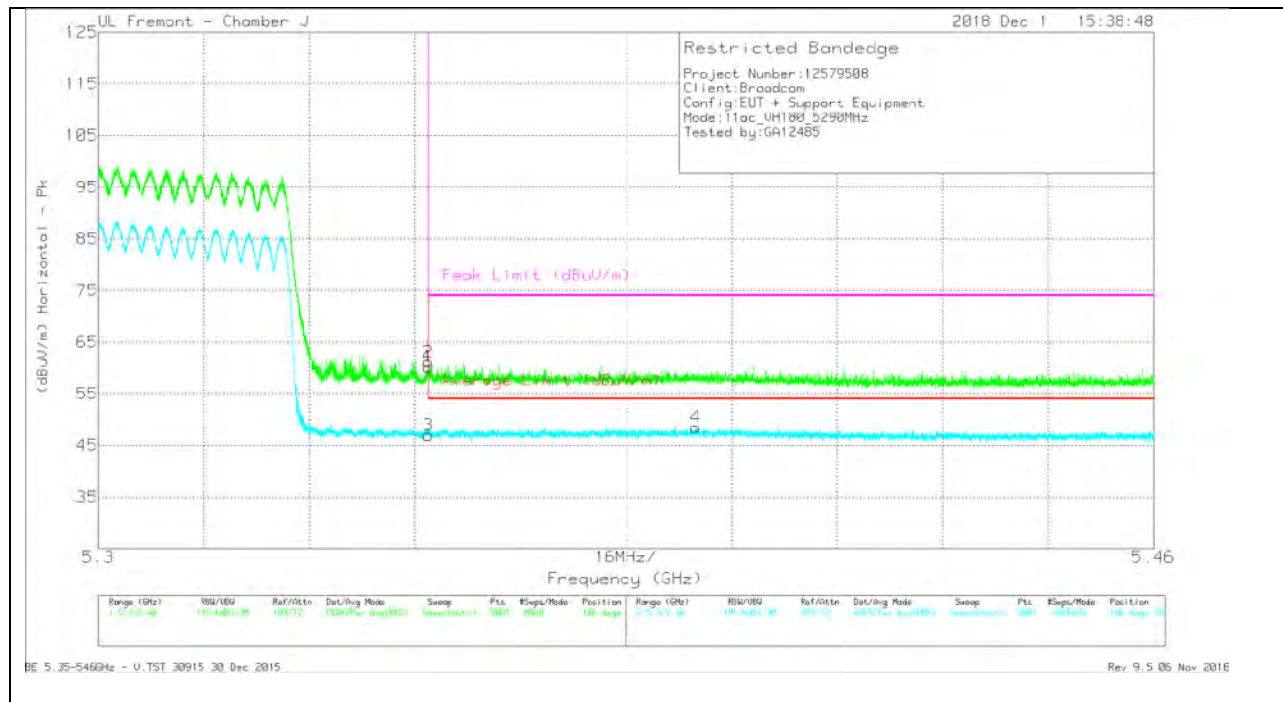
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dBm)	Amp/Cbl/Filtr /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	39.64	Pk	34.3	-8.7	65.24	-	-	74	-8.76	226	157	H
2	* 5.351	44.36	Pk	34.3	-8.7	69.96	-	-	74	-4.04	226	157	H
3	* 5.35	25.92	RMS	34.3	-8.7	51.52	54	-2.48	-	-	226	157	H
4	* 5.356	27.84	RMS	34.4	-8.7	53.54	54	-4.6	-	-	226	157	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dBm)	Ampl/Chl/Filt /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	34.64	Pk	34.3	-8.7	60.24	-	-	74	-13.76	186	276	V
2	* 5.35	35.56	Pk	34.3	-8.7	61.16	-	-	74	-12.84	186	276	V
3	* 5.35	21.38	RMS	34.3	-8.7	46.98	54	-7.02	-	-	186	276	V
4	* 5.391	22.41	RMS	34.4	-8.3	48.51	54	-5.49	-	-	186	276	V

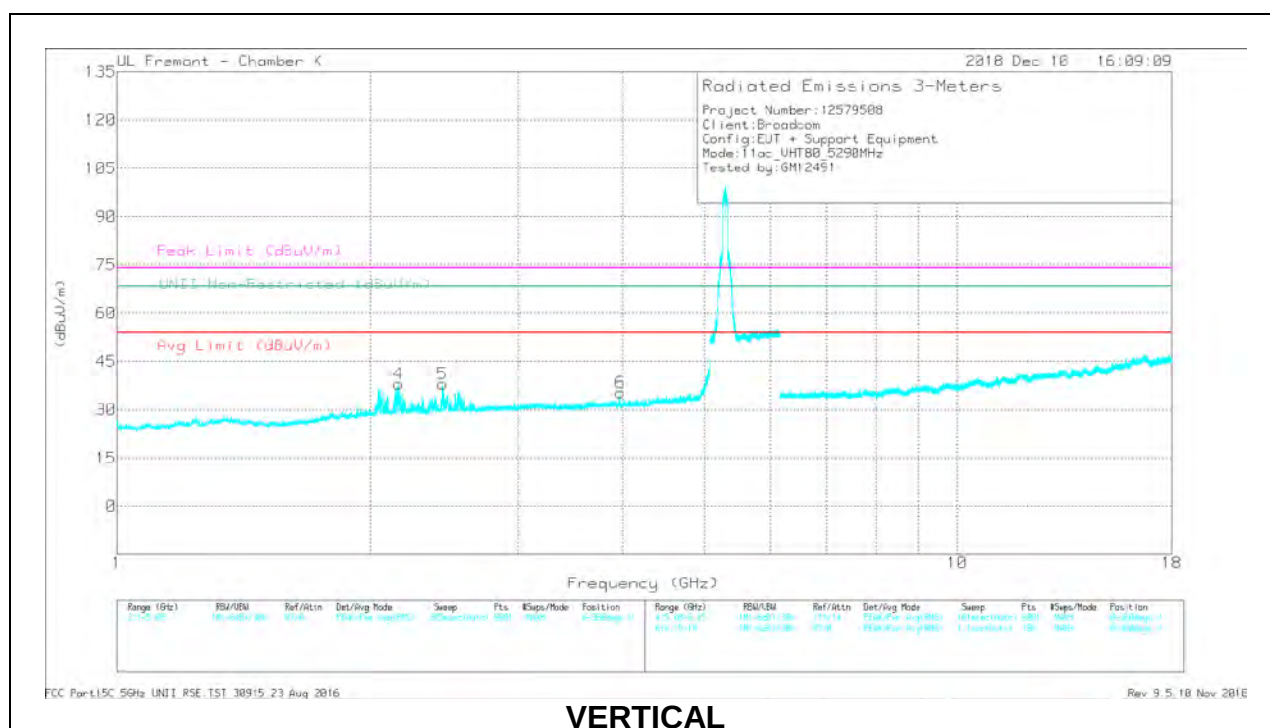
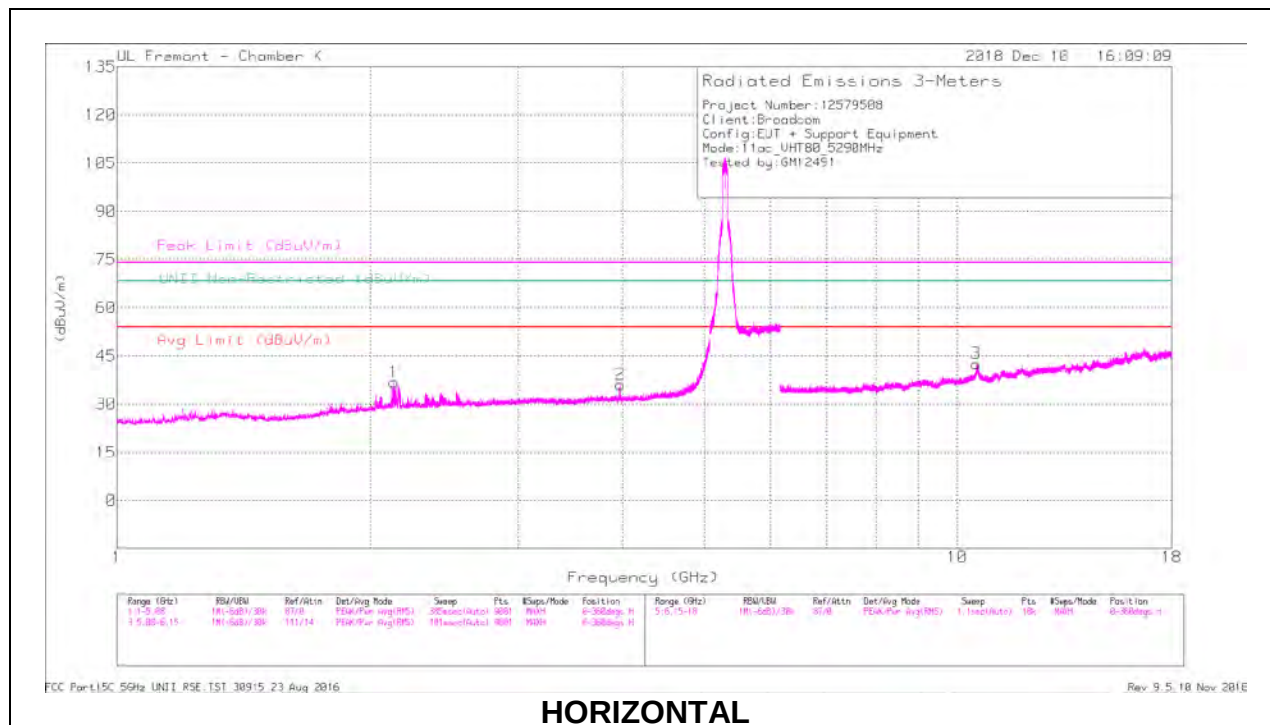
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

CHANNEL 58 RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Ftr/Pa d (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	2.134	48.45	PK-U	31.6	-35.1	44.95	-	-	-	-	68.2	-23.25	203	176	H
	2.136	31.61	ADR	31.6	-35.1	28.11	-	-	-	-	-	-	203	176	H
2	* 3.967	39.66	PK-U	33.4	-31.4	41.66	-	-	74	-32.34	-	-	320	102	H
	* 3.967	33.6	ADR	33.4	-31.4	35.6	54	-18.4	-	-	-	-	320	102	H
4	2.162	48.01	PK-U	31.6	-35.2	44.41	-	-	-	-	68.2	-23.79	150	261	V
	2.161	31.3	ADR	31.6	-35.2	27.7	-	-	-	-	-	-	150	261	V
5	2.441	45.69	PK-U	32.2	-34.9	42.99	-	-	-	-	68.2	-25.21	67	206	V
	2.441	31.45	ADR	32.2	-34.9	28.75	-	-	-	-	-	-	67	206	V
6	* 3.967	39.55	PK-U	33.4	-31.4	41.55	-	-	74	-32.45	-	-	228	166	V
	* 3.967	32.89	ADR	33.4	-31.4	34.89	54	-19.11	-	-	-	-	228	166	V
3	10.533	33.25	PK-U	37.6	-22.4	48.45	-	-	-	-	68.2	-19.75	356	127	H
	10.534	24.92	ADR	37.6	-22.4	40.12	-	-	-	-	-	-	356	127	H

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

PK-U - U-NII: Maximum Peak

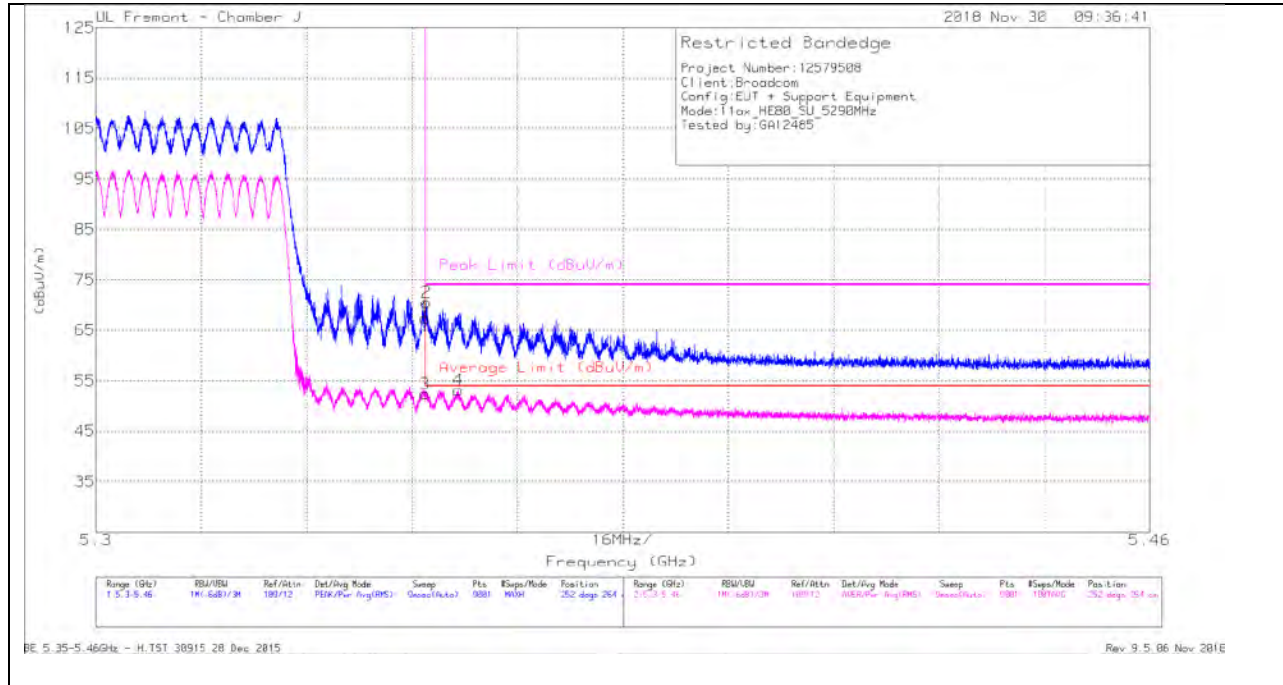
ADR - U-NII AD primary method, RMS average

9.1.14. TX ABOVE 1 GHz 802.11ax HE80 MODE IN THE 5.3 GHz BAND

2TX Antenna 1 + Antenna 2 CDD MODE

BANDEDGE (CHANNEL 58)

HORIZONTAL RESULT



Trace Markers

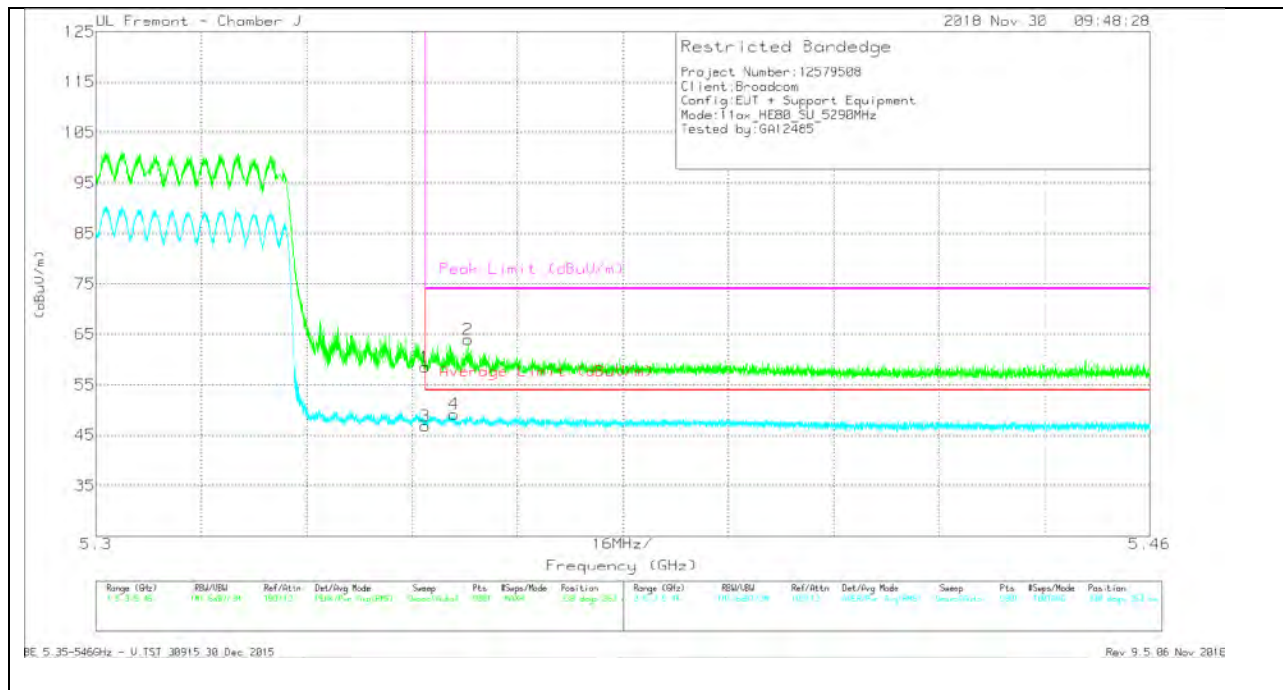
Marker	Frequency (GHz)	Meter Reading (dBUV)	Det	AF AT0067 (dBm)	AmplChl/Ftr /Pad (dB)	Corrected Reading (dBUV/m)	Average Limit (dBUV/m)	Margin (dB)	Peak Limit (dBUV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	41.84	Pk	34.3	-8.7	67.44	-	-	74	-6.56	252	264	H
2	* 5.35	44.89	Pk	34.3	-8.7	70.49	-	-	74	-3.51	252	264	H
3	* 5.35	26.84	RMS	34.3	-8.7	52.44	54	-1.56	-	-	252	264	H
4	* 5.355	27.44	RMS	34.4	-8.7	53.14	54	-0.86	-	-	252	264	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dBm)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	32.91	PK	34.3	-8.7	58.51	-	-	74	-15.49	338	263	V
2	* 5.356	38.25	PK	34.4	-8.7	63.95	-	-	74	-10.05	338	263	V
3	* 5.35	21.19	RMS	34.3	-8.7	46.79	54	-7.21	-	-	338	263	V
4	* 5.354	23.43	RMS	34.4	-8.7	49.13	54	-4.87	-	-	338	263	V

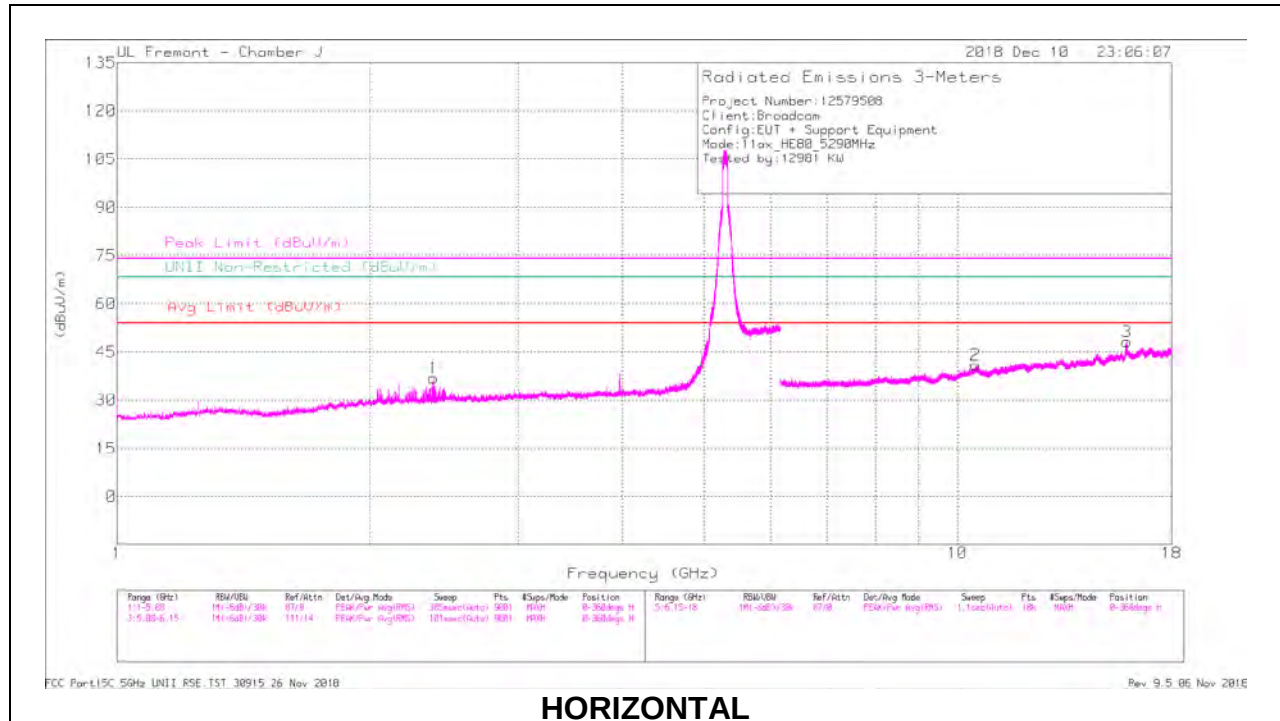
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

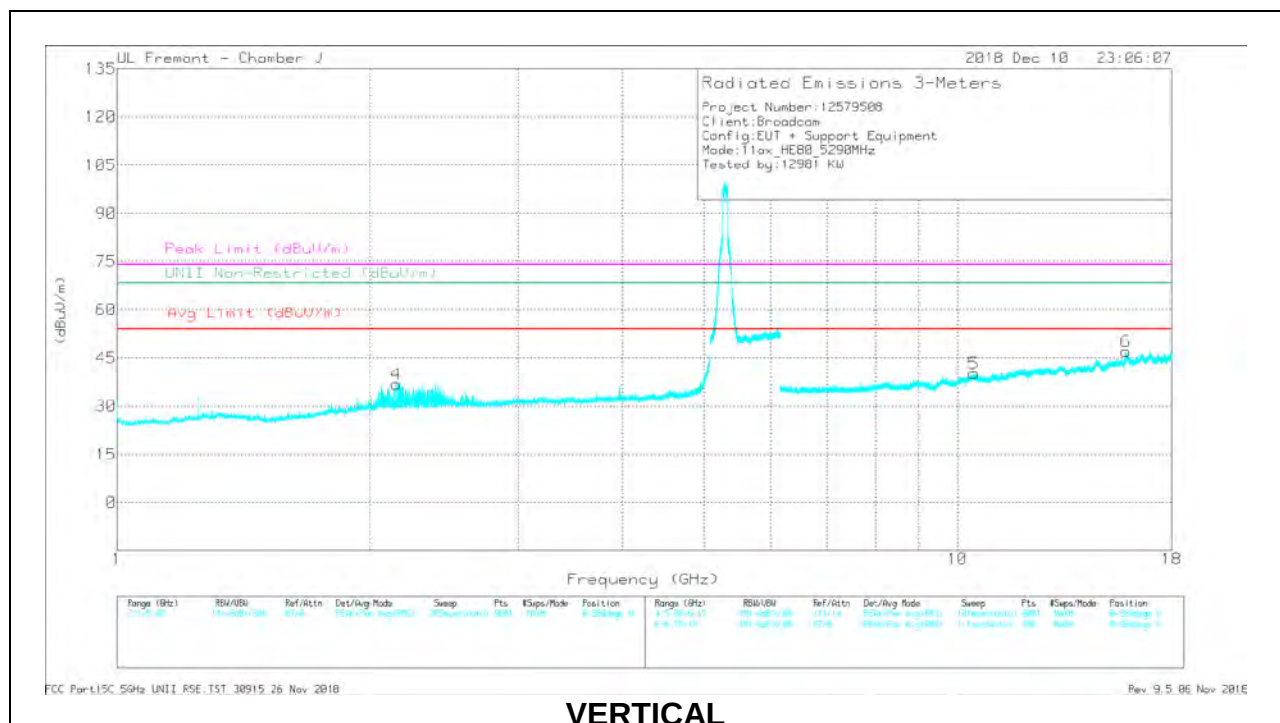
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

CHANNEL 58 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.38	48.52	PK-U	32	-35.5	45.02	-	-	74	-28.98	-	-	349	153	H
* 2.378	31.72	ADR	32	-35.5	28.22	54	-25.78	-	-	-	-	349	153	H
2.151	40.78	PK-U	31.8	-35.5	37.08	-	-	-	-	68.2	-31.12	105	162	V
* 15.895	37.35	PK-U	40.4	-19.7	58.05	-	-	74	-15.95	-	-	38	232	H
* 15.895	26.29	ADR	40.4	-19.7	46.99	54	-7.01	-	-	-	-	38	232	H
10.514	33.28	PK-U	37.5	-25.3	45.48	-	-	-	-	68.2	-22.72	215	138	H
* 15.87	34.87	PK-U	40.4	-20	55.27	-	-	74	-18.73	-	-	206	203	V
* 15.868	25.88	ADR	40.4	-20	46.28	54	-7.72	-	-	-	-	206	203	V
10.465	34.32	PK-U	37.5	-25.2	46.62	-	-	-	-	68.2	-21.58	109	166	V

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

PK-U - U-NII: Maximum Peak

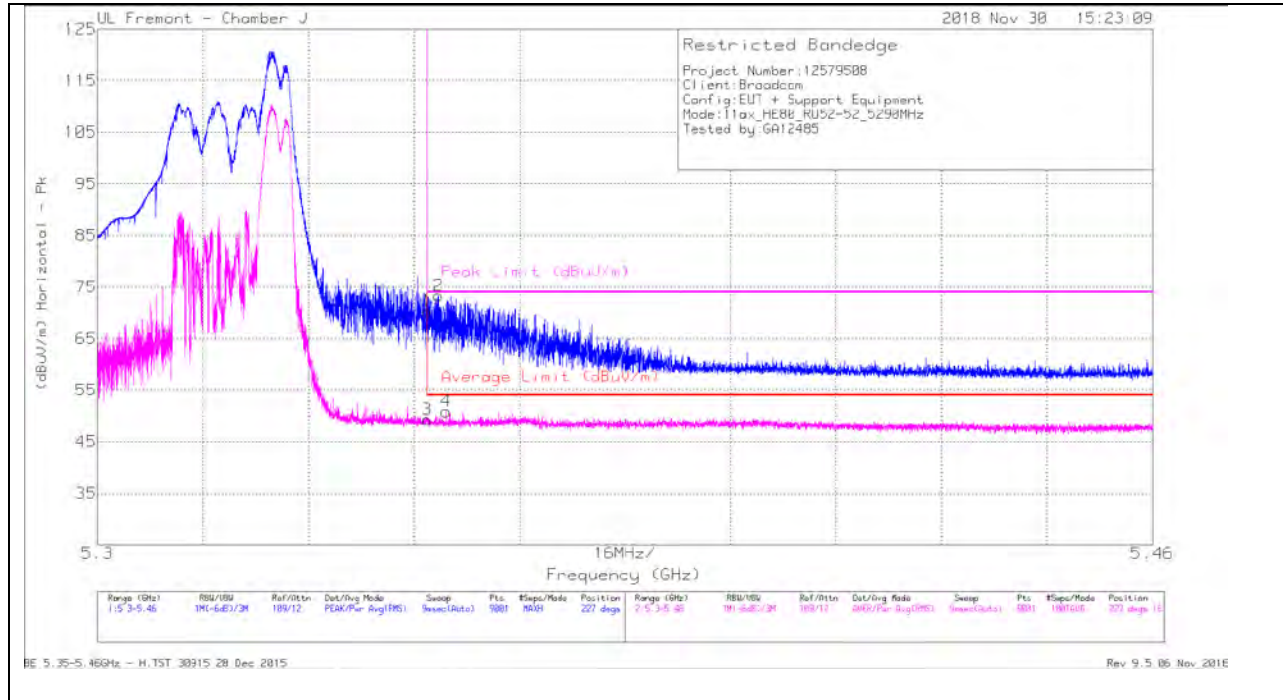
ADR - U-NII AD primary method, RMS average

**9.1.15. TX ABOVE 1 GHz 802.11ax HE80 MODE IN THE 5.3 GHz BAND
CHANNEL 58 RU52 INDEX 52**

2TX Antenna 1 + Antenna 2 CDD MODE

BANDEDGE (CHANNEL 58)

HORIZONTAL RESULT



Trace Markers

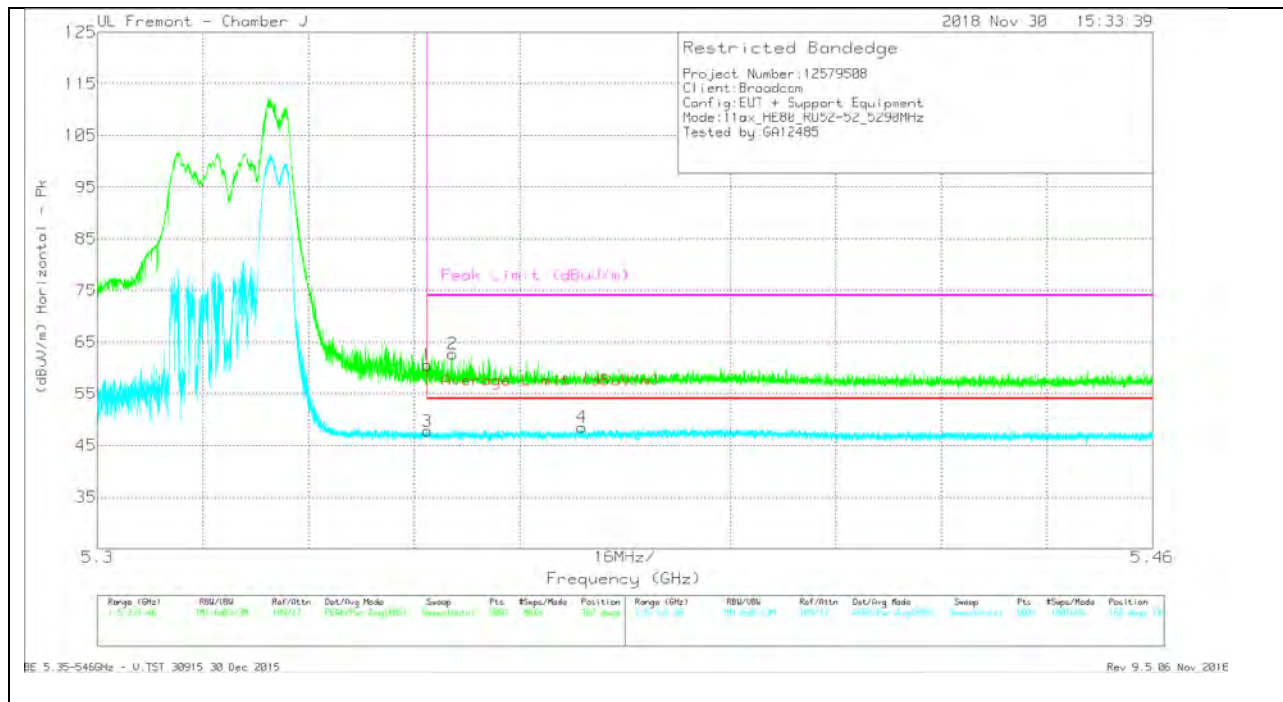
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dBm)	Amp/Cbl/Ftr /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	44.72	Pk	34.3	-8.7	70.32	-	-	74	-3.68	227	163	H
2	* 5.352	47.61	Pk	34.4	-8.7	73.31	-	-	74	-6.69	227	163	H
3	* 5.35	23.69	RMS	34.3	-8.7	49.29	54	-4.71	-	-	227	163	H
4	* 5.353	25.19	RMS	34.4	-8.7	50.89	54	-3.11	-	-	227	163	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dBm)	Amp/Cbl/Ftr /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	34.9	Pk	34.3	-8.7	60.5	-	-	74	-13.5	162	104	V
2	* 5.354	37	Pk	34.4	-8.7	62.7	-	-	74	-11.3	162	104	V
3	* 5.35	22.13	RMS	34.3	-8.7	47.73	54	-6.27	-	-	162	104	V
4	* 5.373	22.74	RMS	34.4	-8.6	48.54	54	-5.46	-	-	162	104	V

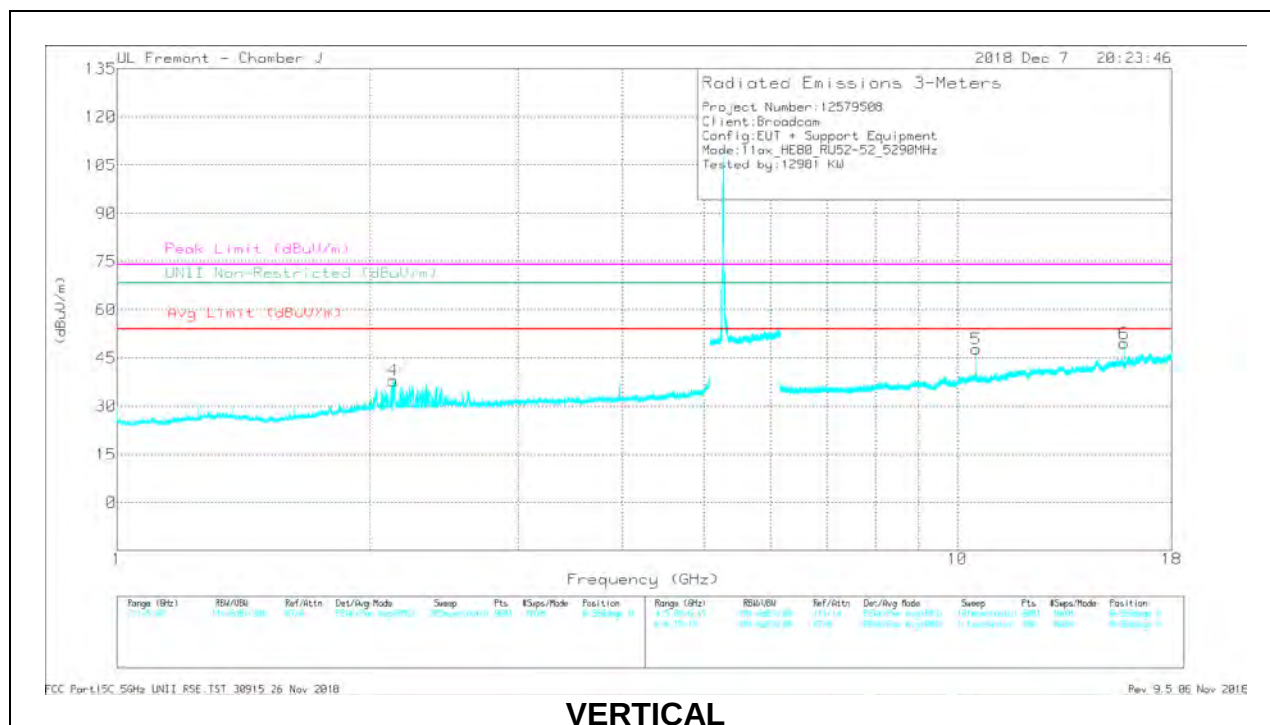
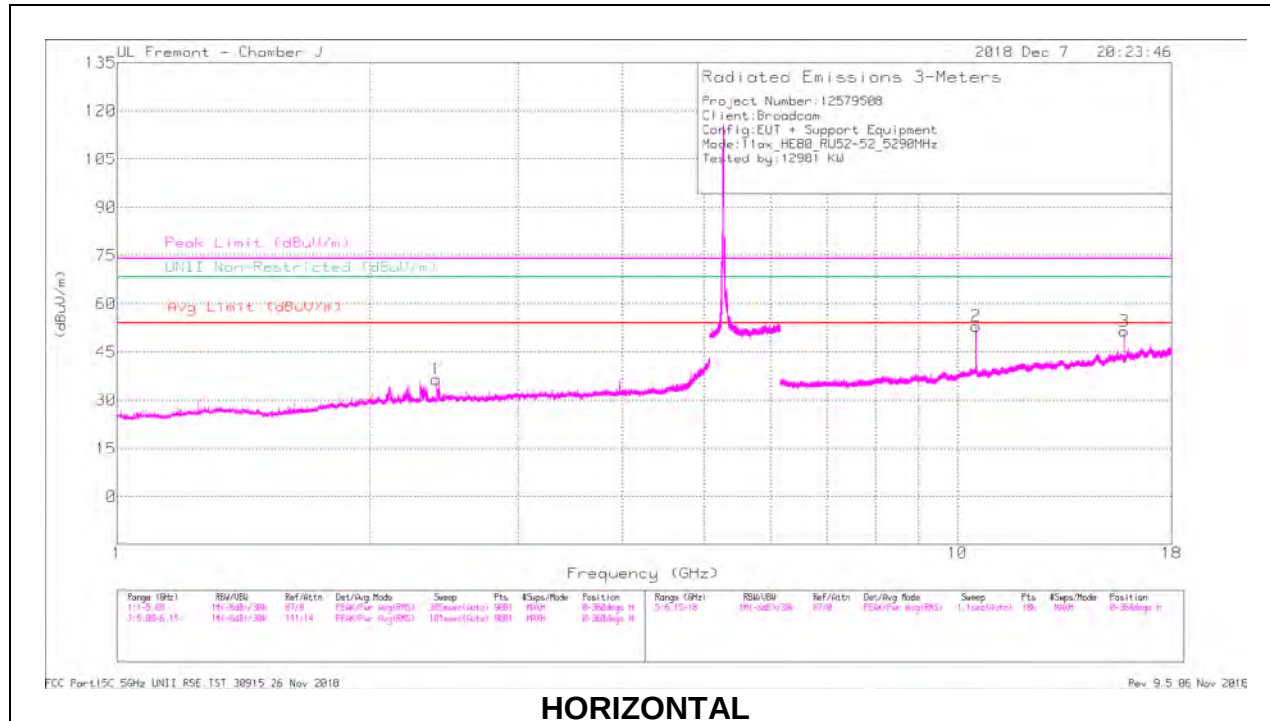
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL RESULTS



RADIATED EMISSIONS

Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.394	48.95	PK-U	32	-35.5	45.45	-	-	-	-	68.2	-22.75	346	131	H
2.132	49.7	PK-U	31.8	-35.6	45.9	-	-	-	-	68.2	-22.3	251	280	V
* 15.803	46.68	PK-U	40.4	-20.3	66.78	-	-	74	-7.22	-	-	214	137	H
* 15.802	33.38	ADR	40.4	-20.3	53.48	54	-52	-	-	-	-	214	137	H
10.537	49.51	PK-U	37.5	-25.4	61.61	-	-	-	-	68.2	-6.59	226	176	H
* 15.805	41.26	PK-U	40.4	-20.2	61.46	-	-	74	-12.54	-	-	13	281	V
* 15.803	30.62	ADR	40.4	-20.3	50.72	54	-3.28	-	-	-	-	13	281	V
10.534	45.99	PK-U	37.5	-25.4	58.09	-	-	-	-	68.2	-10.11	334	340	V

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

PK-U - U-NII: Maximum Peak

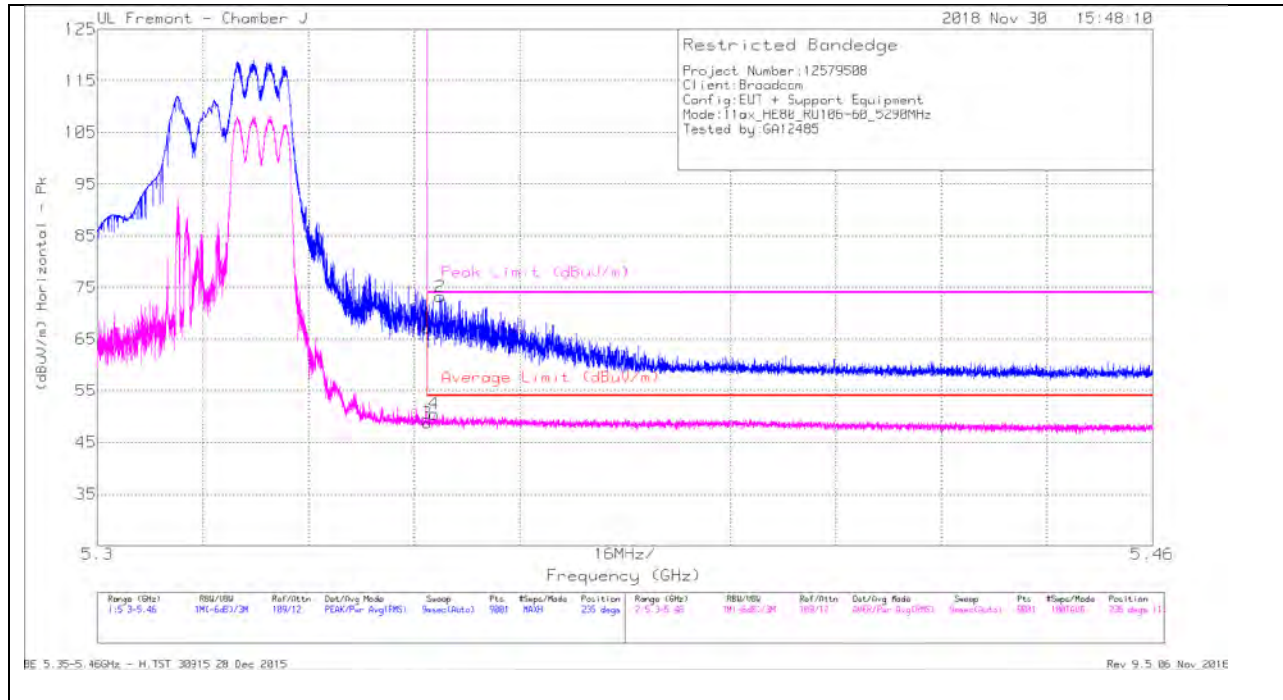
ADR - U-NII AD primary method, RMS average

9.1.16. TX ABOVE 1 GHz 802.11ax HE80 MODE IN THE 5.3 GHz BAND CHANNEL 58 RU106 INDEX 60

2TX Antenna 1 + Antenna 2 CDD MODE

BANDEDGE (CHANNEL 58)

HORIZONTAL RESULT



Trace Markers

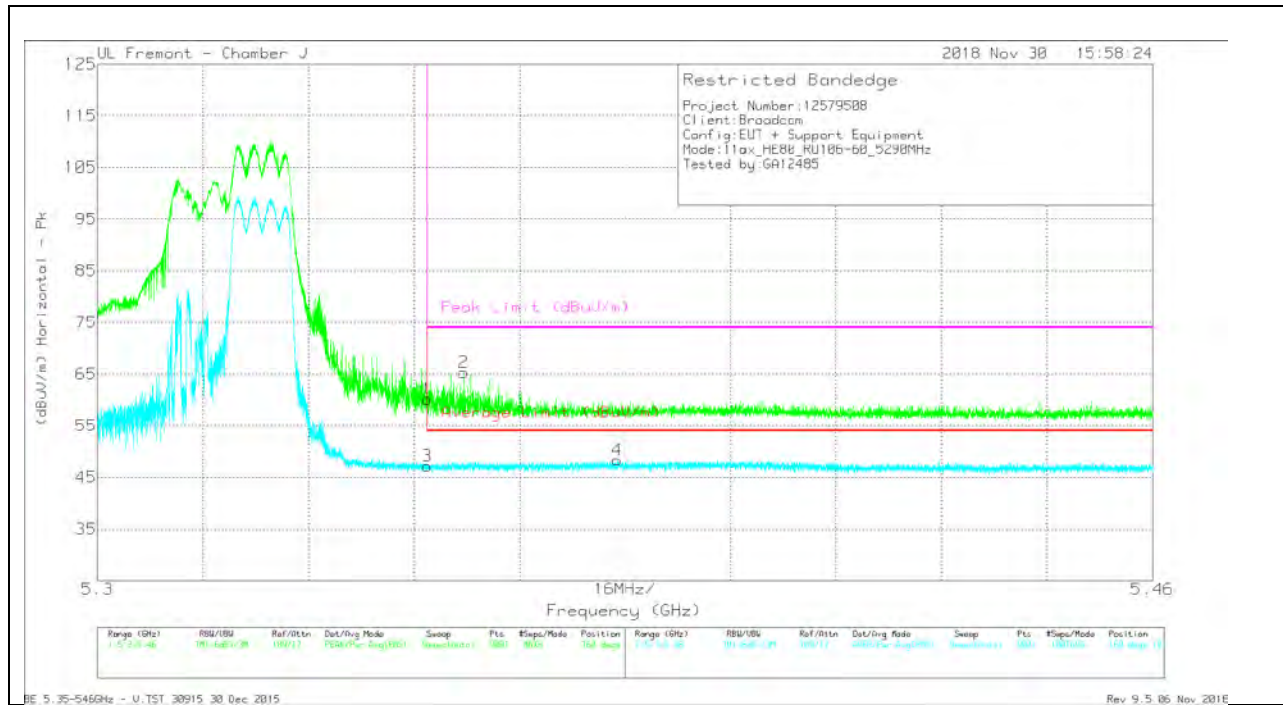
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dBm)	Amp/Cbl/Ftr /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	41.51	Pk	34.3	-8.7	67.11	-	-	74	-6.89	235	117	H
2	* 5.352	47.49	Pk	34.4	-8.7	73.19	-	-	74	-8.81	235	117	H
3	* 5.35	23.11	RMS	34.3	-8.7	48.71	54	-5.29	-	-	235	117	H
4	* 5.351	24.91	RMS	34.3	-8.7	50.51	54	-3.49	-	-	235	117	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dBm)	Amp/Cbl/Ftr /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	34.54	Pk	34.3	-8.7	60.14	-	-	74	-13.86	160	103	V
2	* 5.356	39.58	Pk	34.4	-8.7	65.28	-	-	74	-8.72	160	103	V
3	* 5.35	21.59	RMS	34.3	-8.7	47.19	54	-6.81	-	-	160	103	V
4	* 5.379	22.45	RMS	34.4	-8.5	48.35	54	-5.65	-	-	160	103	V

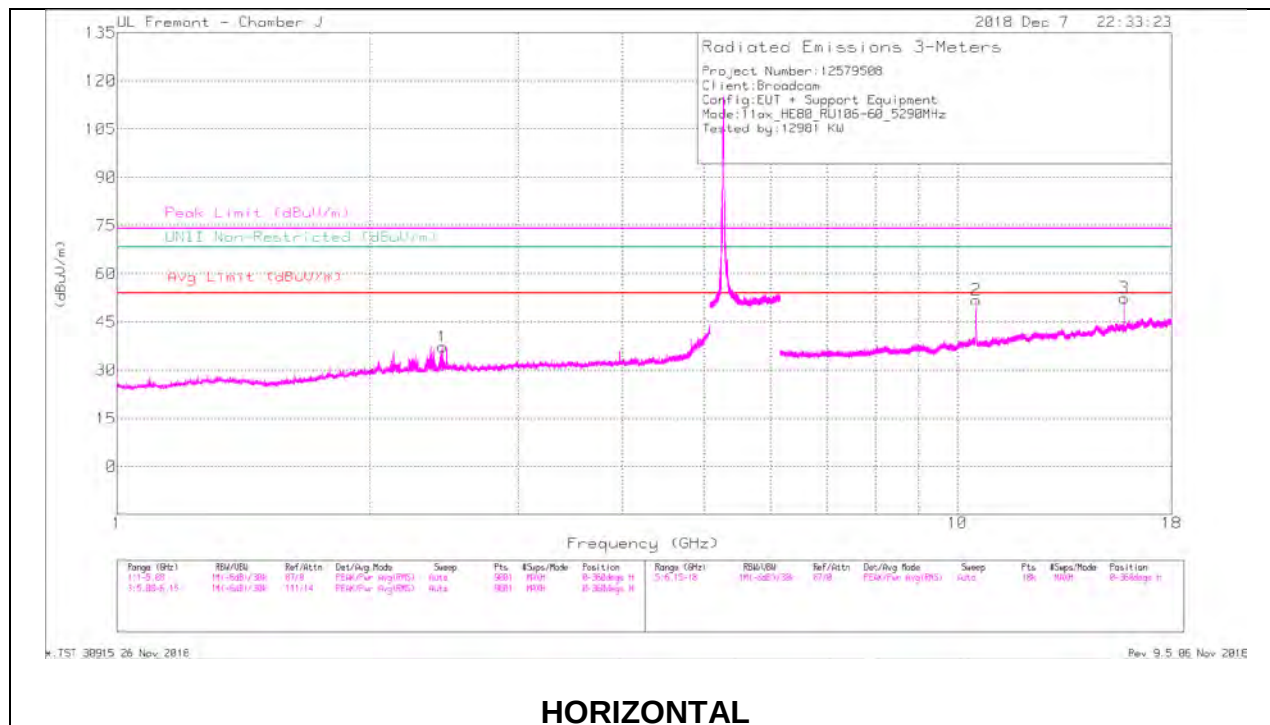
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

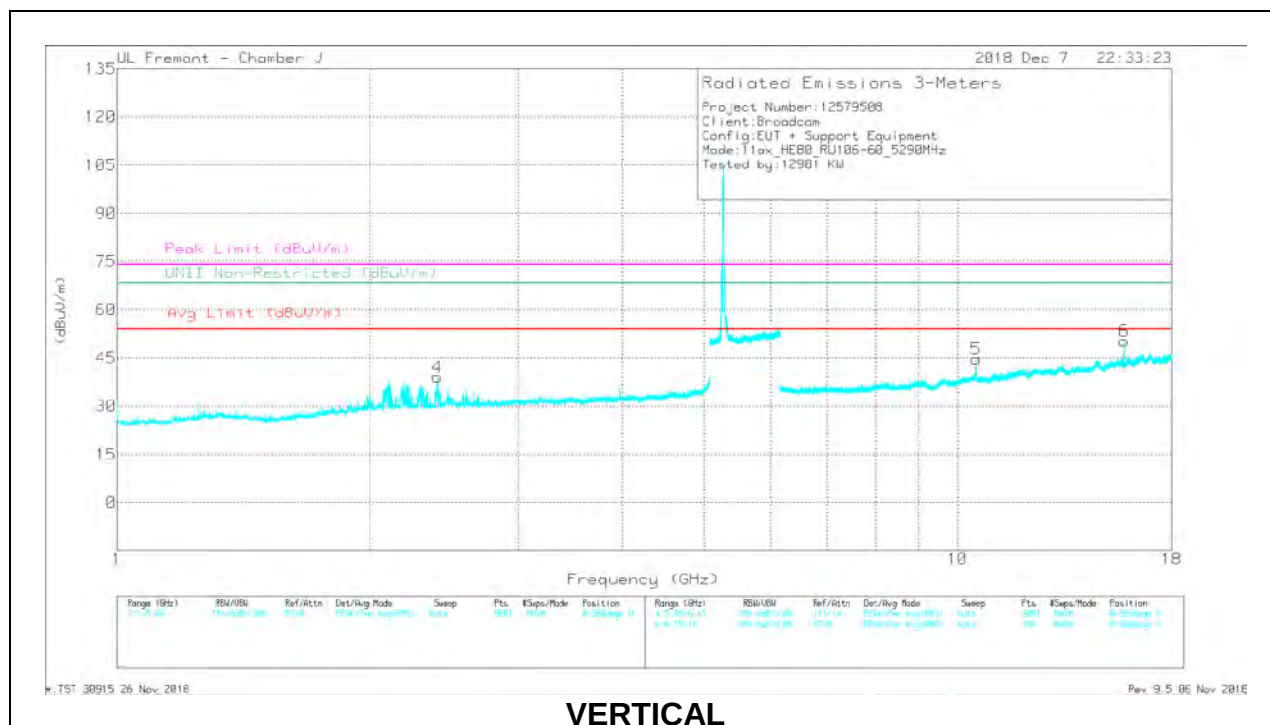
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

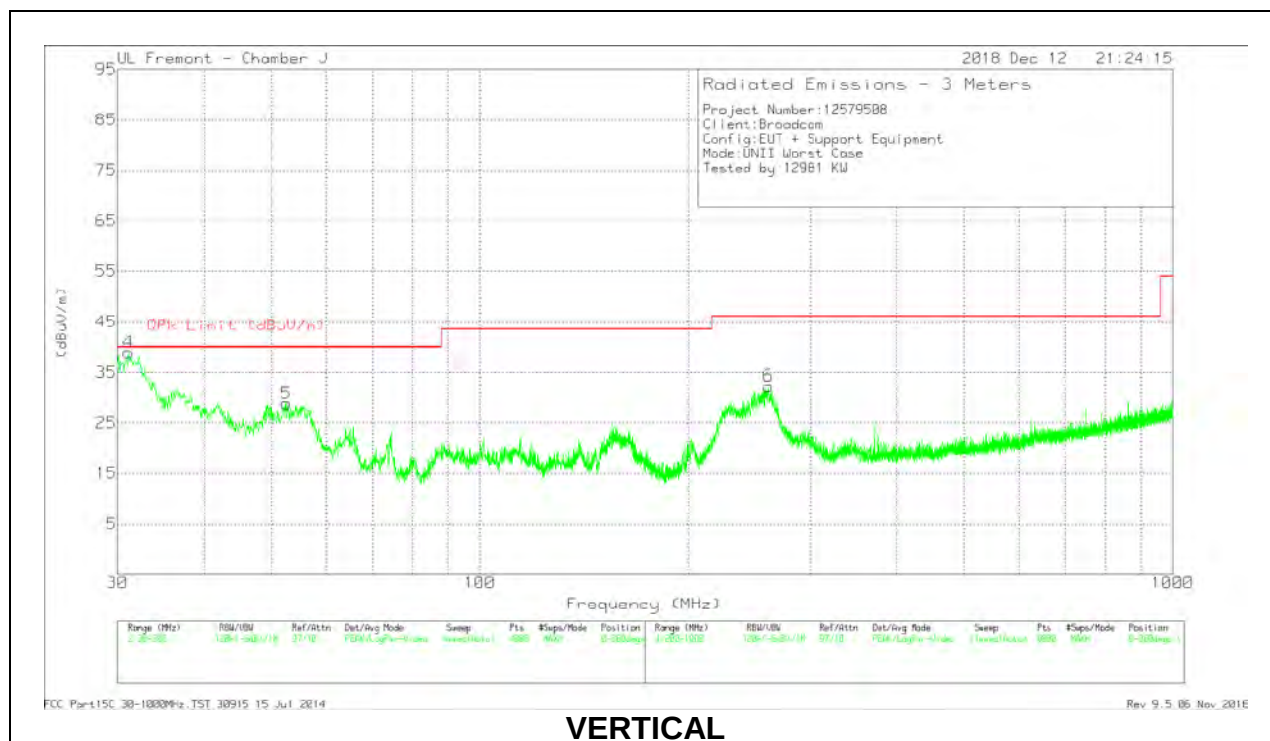
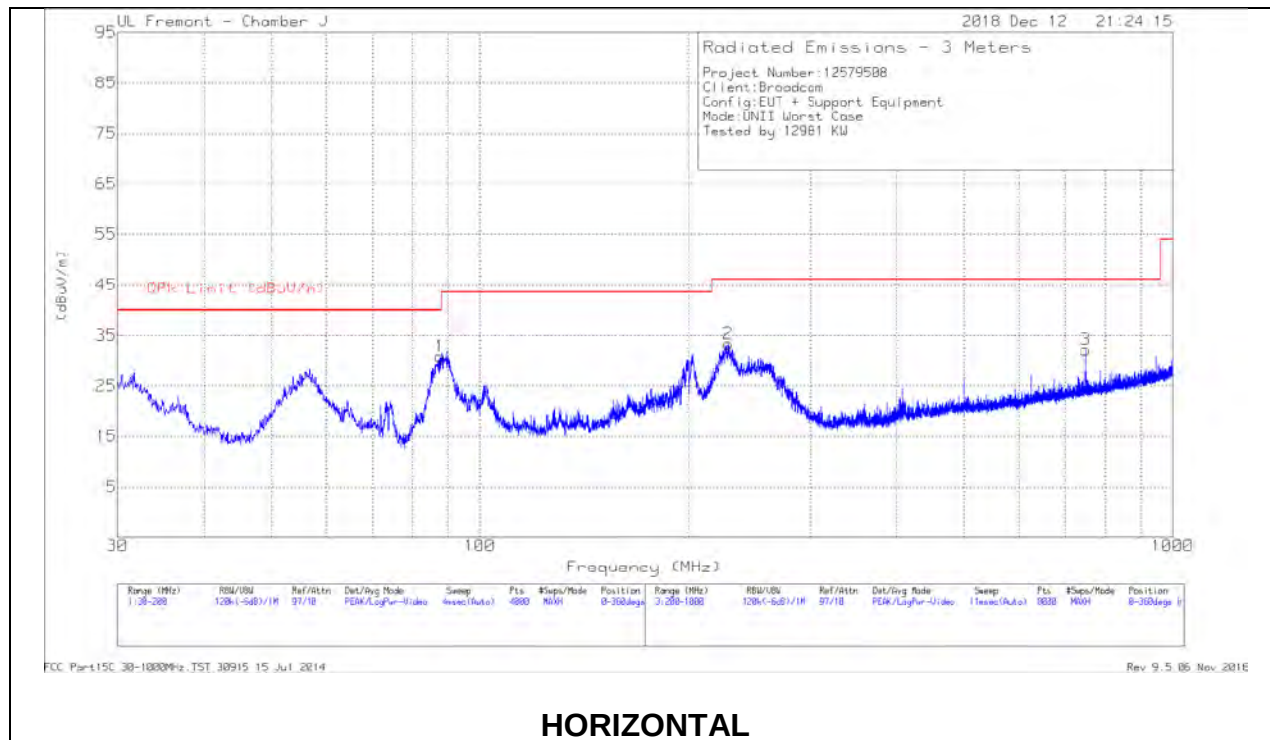
Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0067 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.436	46.25	PK-U	32.3	-35.5	43.05	-	-	-	-	68.2	-25.15	278	283	H
2.406	49.55	PK-U	32.1	-35.5	46.15	-	-	-	-	68.2	-22.05	97	272	V
* 15.797	44.08	PK-U	40.4	-20.3	64.18	-	-	74	-9.82	-	-	214	143	H
* 15.795	33.14	ADR	40.4	-20.3	53.24	54	-76	-	-	-	-	214	143	H
10.531	46.87	PK-U	37.5	-25.4	58.97	-	-	-	-	68.2	-9.23	228	184	H
* 15.792	41.46	PK-U	40.4	-20.3	61.56	-	-	74	-12.44	-	-	49	198	V
* 15.797	31.17	ADR	40.4	-20.3	51.27	54	-2.73	-	-	-	-	49	198	V
10.528	42.99	PK-U	37.5	-25.4	55.09	-	-	-	-	68.2	-13.11	340	225	V
10.529	40.76	PK-U	37.5	-25.4	52.86	-	-	-	-	68.2	-15.34	281	271	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

9.2. Worst Case Below 1 GHz



Below 1GHz DATA

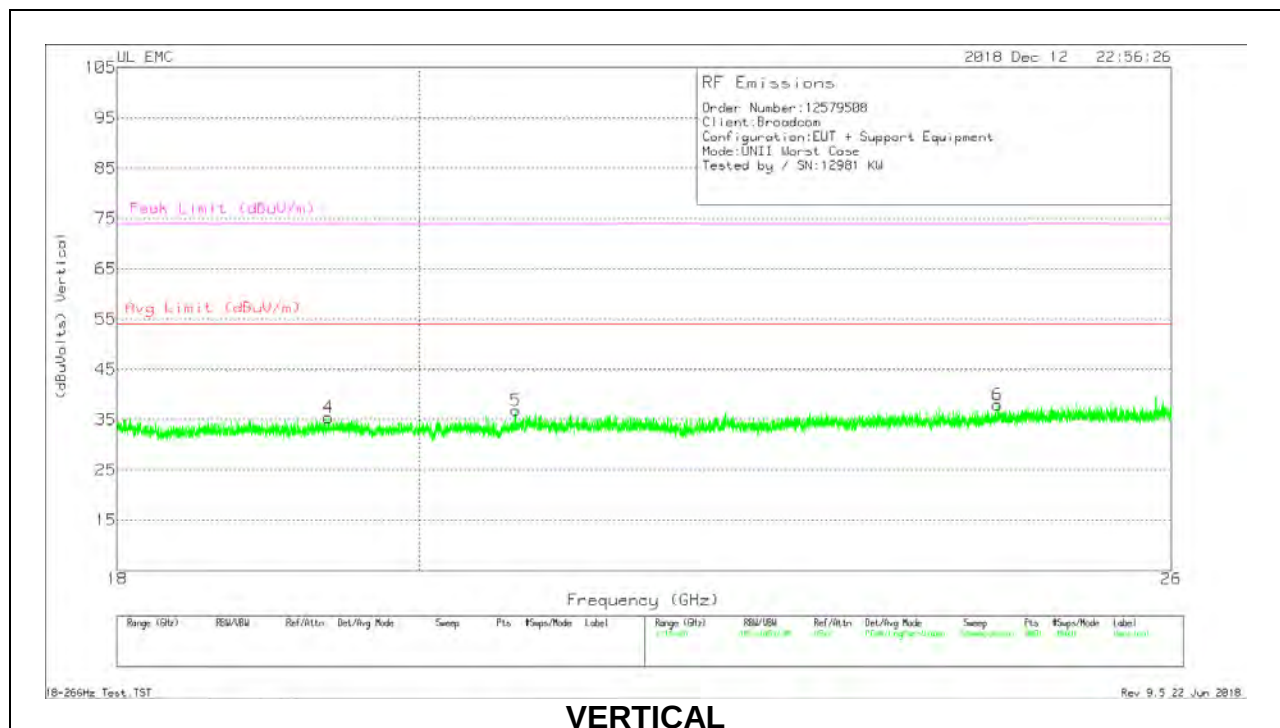
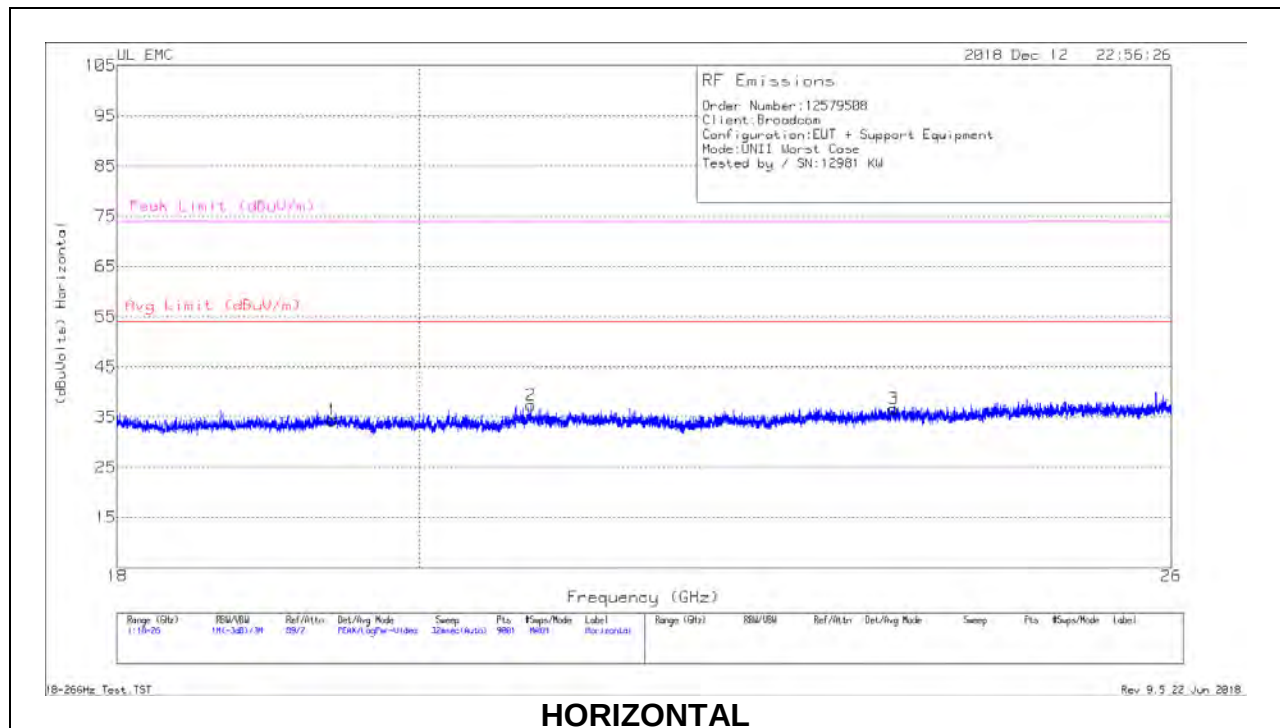
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF PRE018157 5 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	87.695	50.68	Pk	13.4	-31	33.08	40	-6.92	225	208	H
4	31.2479	40.91	Qp	25.9	-31.5	35.31	40	-4.69	288	104	V
5	52.8096	48.36	Pk	13.2	-31.3	30.26	40	-9.74	102	114	V
2	228.1783	47.81	Pk	16.9	-30.3	34.41	46.02	-11.61	319	105	H
3	749.9878	34.66	Pk	26.6	-28.5	32.76	46.02	-13.26	116	210	H
6	* 260.6921	47.32	Pk	18.2	-30.1	35.42	46.02	-10.6	87	114	V

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

Pk - Peak detector

Qp - Quasi-Peak detector

9.3. Worst Case 18-26 GHz

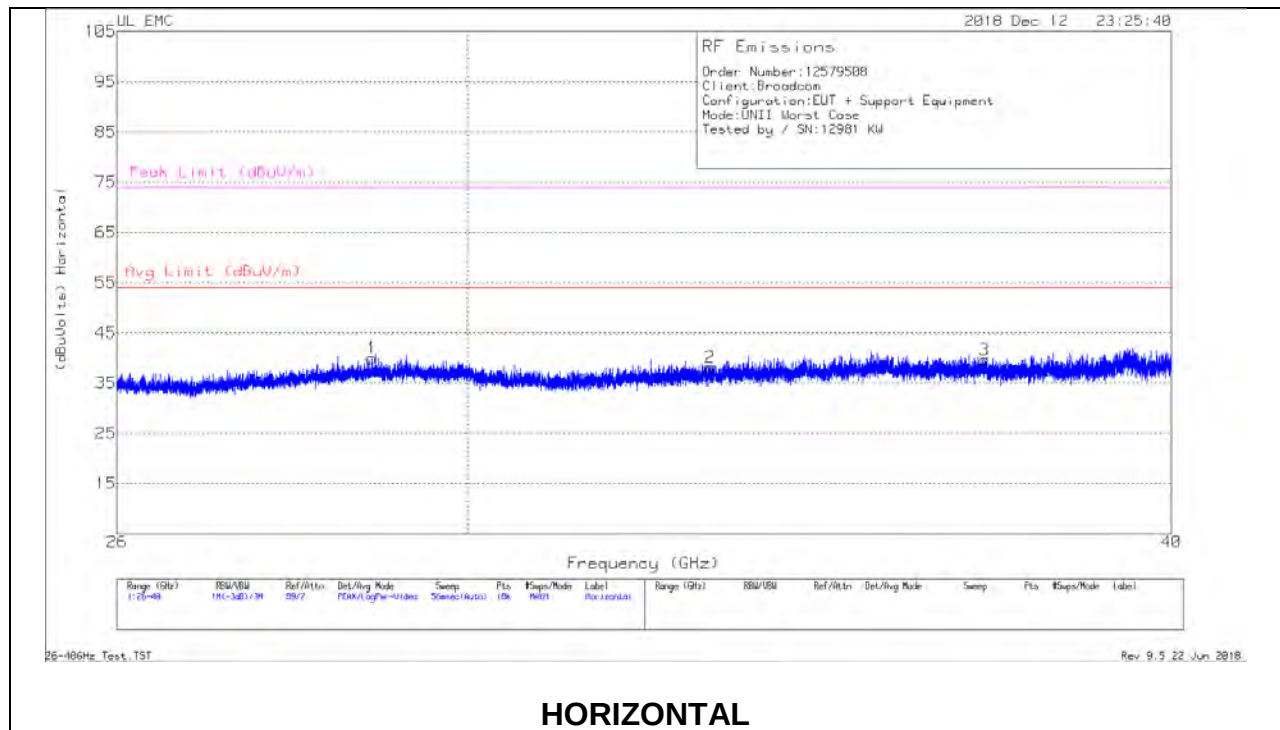


18 – 26GHz DATA

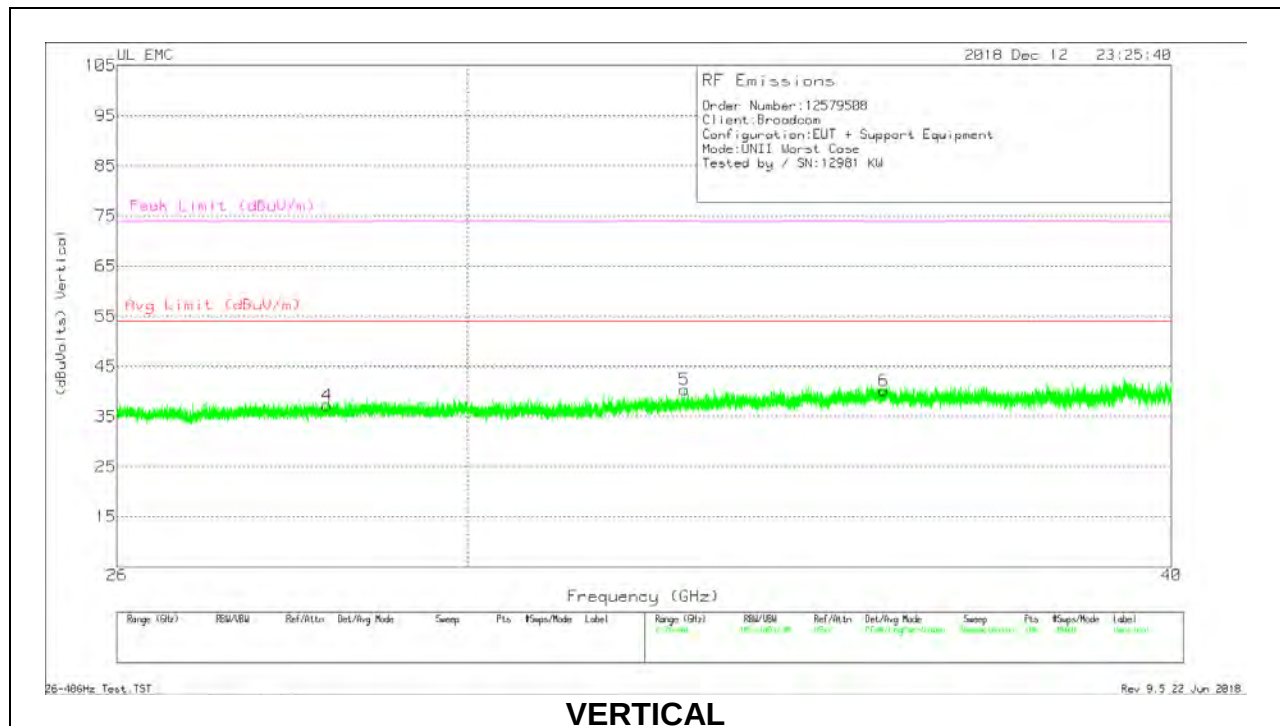
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	T448 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Corrected Reading (dBuVolts)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)
1	19.406	67.88	Pk	32.6	-56.6	-9.5	34.38	54	-19.62	74	-39.62
2	20.796	70.49	Pk	33.1	-56.7	-9.5	37.39	54	-16.61	74	-36.61
3	23.601	69.4	Pk	33.9	-57.1	-9.5	36.7	54	-17.3	74	-37.3
4	19.377	69.11	Pk	32.7	-56.9	-9.5	35.41	54	-18.59	74	-38.59
5	20.687	70.06	Pk	33	-56.7	-9.5	36.86	54	-17.14	74	-37.14
6	24.47	69.77	Pk	34.1	-56.4	-9.5	37.97	54	-16.03	74	-36.03

Pk - Peak detector

9.4. Worst Case 26-40 GHz



HORIZONTAL



VERTICAL

26 – 40GHz DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	T90 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Corrected Reading (dBuVolts)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)
1	28.853	67.6	Pk	35.8	-54	-9.5	39.9	54	-14.1	74	-34.1
2	33.131	65.61	Pk	36.8	-54.8	-9.5	38.11	54	-15.89	74	-35.89
3	37.059	67.5	Pk	37.2	-55.6	-9.5	39.6	54	-14.4	74	-34.4
4	28.332	65.28	Pk	35.8	-54.3	-9.5	37.28	54	-16.72	74	-36.72
5	32.787	67.76	Pk	36.6	-54.5	-9.5	40.36	54	-13.64	74	-33.64
6	35.564	67.97	Pk	37.7	-56	-9.5	40.17	54	-13.83	74	-33.83

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

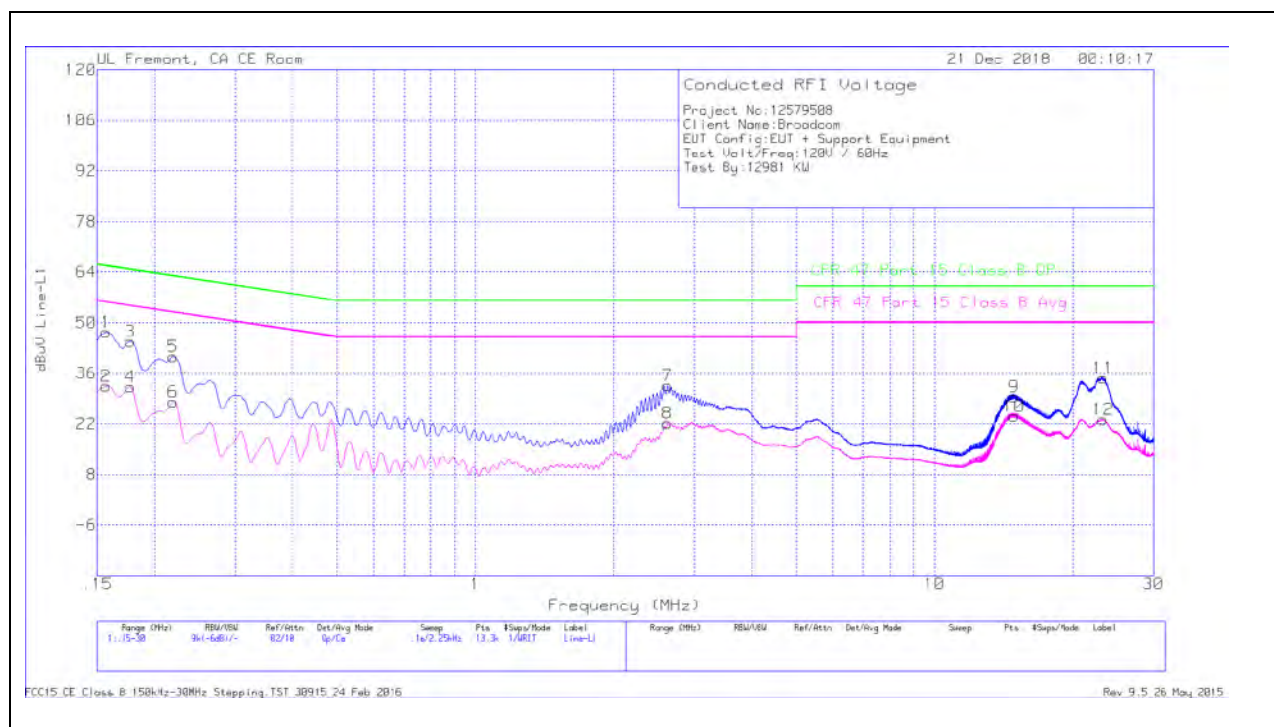
The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.10.

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

LINE 1 RESULTS

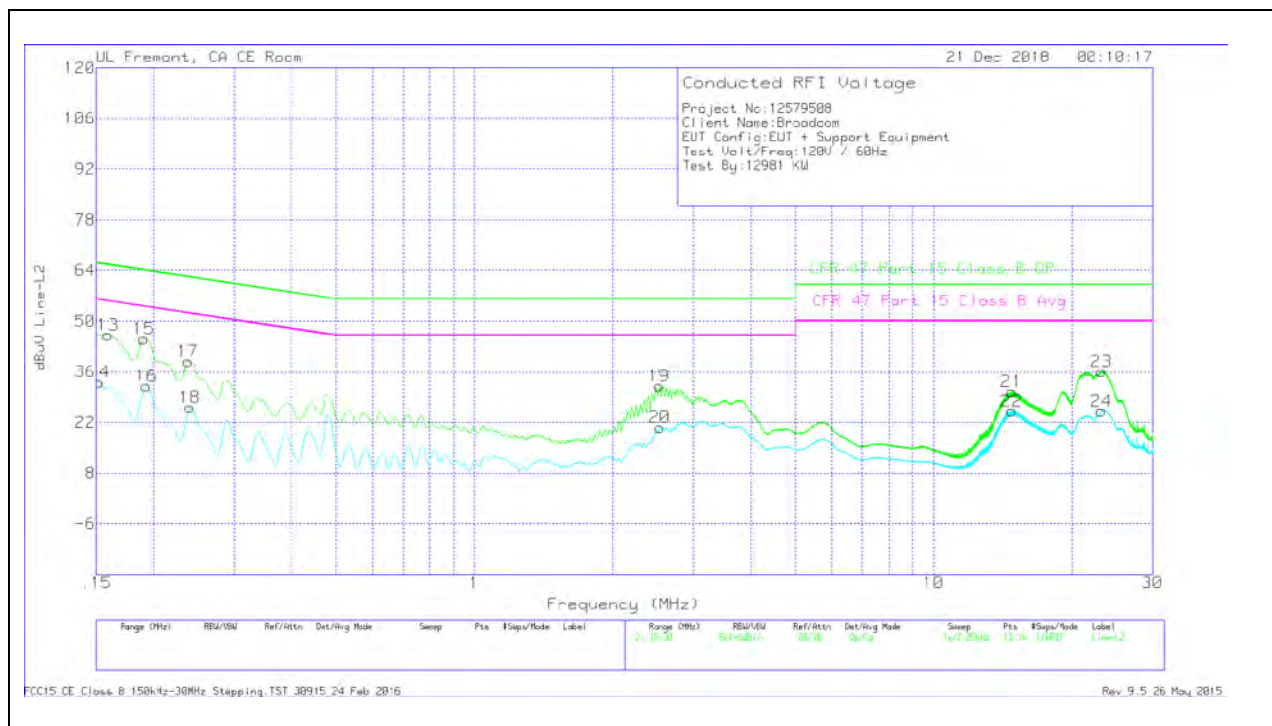


Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L1	LC Cables C1&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
1	.15675	37.13	Qp	.1	0	10.1	47.33	65.63	-18.3	-	-
2	.15675	22.21	Ca	.1	0	10.1	32.41	-	-	55.63	-23.22
3	.177	34.71	Qp	0	0	10.1	44.81	64.63	-19.82	-	-
4	.177	22.21	Ca	0	0	10.1	32.31	-	-	54.63	-22.32
5	.21975	30.49	Qp	0	0	10.1	40.59	62.83	-22.24	-	-
6	.21975	17.95	Ca	0	0	10.1	28.05	-	-	52.83	-24.78
7	2.62275	22.47	Qp	0	.1	10.1	32.67	56	-23.33	-	-
8	2.625	11.97	Ca	0	.1	10.1	22.17	-	-	46	-23.83
9	14.883	18.84	Qp	.1	.3	10.2	29.44	60	-30.56	-	-
10	14.892	13.56	Ca	.1	.3	10.2	24.16	-	-	50	-25.84
11	23.30025	23.89	Qp	.1	.3	10.4	34.69	60	-25.31	-	-
12	23.29575	12.37	Ca	.1	.3	10.4	23.17	-	-	50	-26.83

Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 2 RESULTS



Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L2	LC Cables 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	.159	36.02	Qp	.1	0	10.1	46.22	65.52	-19.3	-	-
14	.15225	22.97	Ca	.1	0	10.1	33.17	-	-	55.88	-22.71
15	.1905	35.02	Qp	0	0	10.1	45.12	64.01	-18.89	-	-
16	.19275	22.05	Ca	0	0	10.1	32.15	-	-	53.92	-21.77
17	.23775	28.83	Qp	0	0	10.1	38.93	62.17	-23.24	-	-
18	.24	16.11	Ca	0	0	10.1	26.21	-	-	52.1	-25.89
19	2.52825	21.96	Qp	0	.1	10.1	32.16	56	-23.84	-	-
20	2.53163	10.49	Ca	0	.1	10.1	20.69	-	-	46	-25.31
21	14.80425	19.87	Qp	.1	.3	10.2	30.47	60	-29.53	-	-
22	14.80425	14.56	Ca	.1	.3	10.2	25.16	-	-	50	-24.84
23	23.2395	25.29	Qp	.1	.3	10.4	36.09	60	-23.91	-	-
24	23.2395	14.29	Ca	.1	.3	10.4	25.09	-	-	50	-24.91

Qp - Quasi-Peak detector

Ca - CISPR average detection