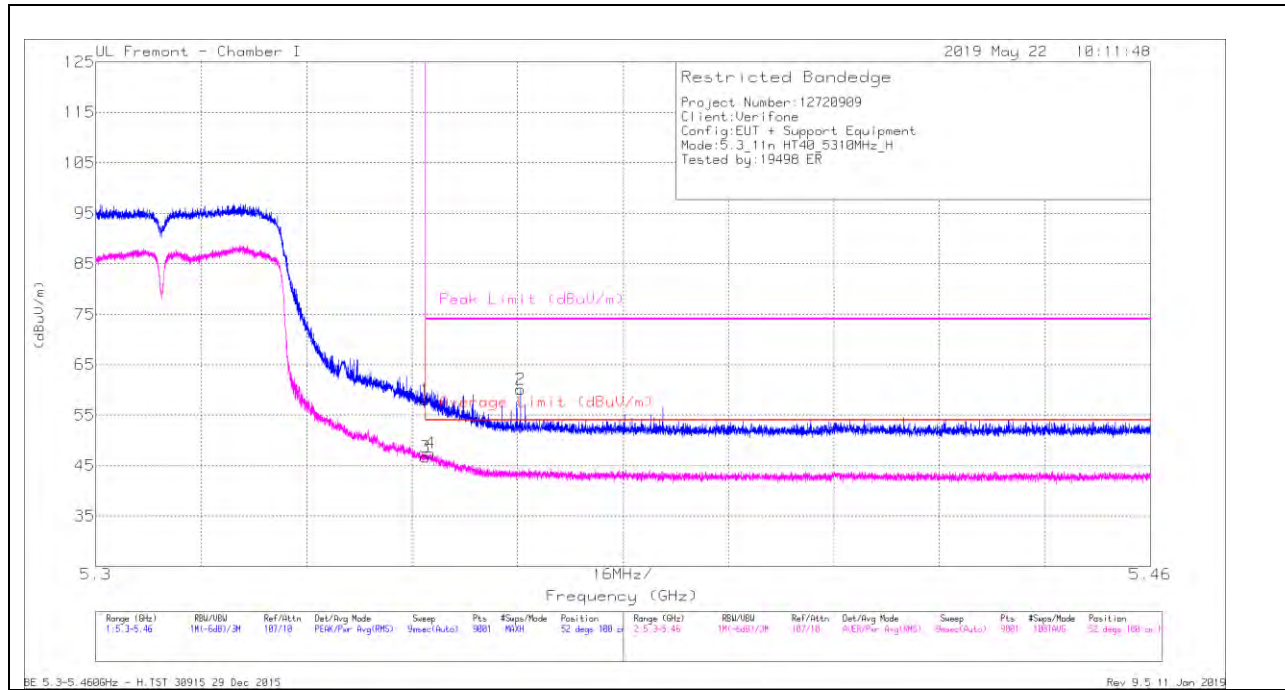


9.1.6. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.3 GHz BAND

1TX Antenna 1 MODE

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT

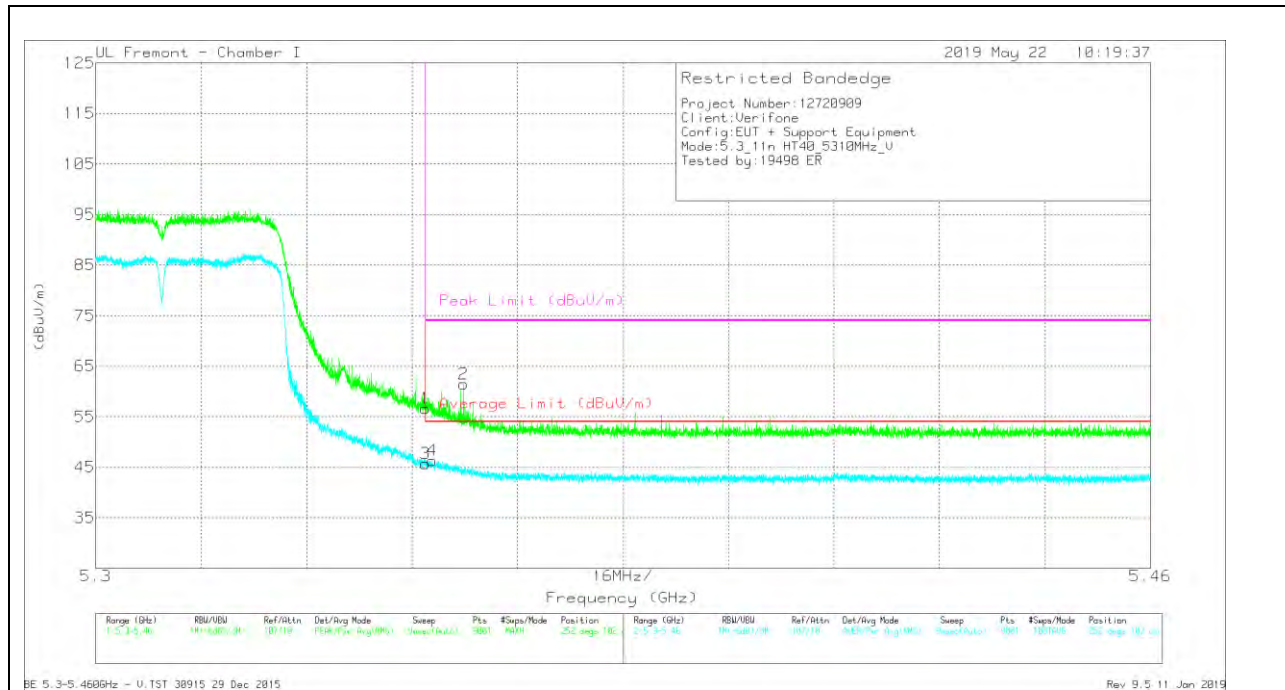


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbi/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	41.76	Pk	34.5	-18.3	0	57.96	-	-	74	-16.04	52	100	H
2	5.364	43.79	Pk	34.5	-18.2	0	60.09	-	-	74	-13.91	52	100	H
3	5.35	29.09	RMS	34.5	-18.3	1.19	46.48	54	-7.52	-	-	52	100	H
4	5.351	29.81	RMS	34.5	-18.3	1.19	47.2	54	-6.8	-	-	52	100	H

PK - Peak detector
 RMS - RMS detection

VERTICAL RESULT



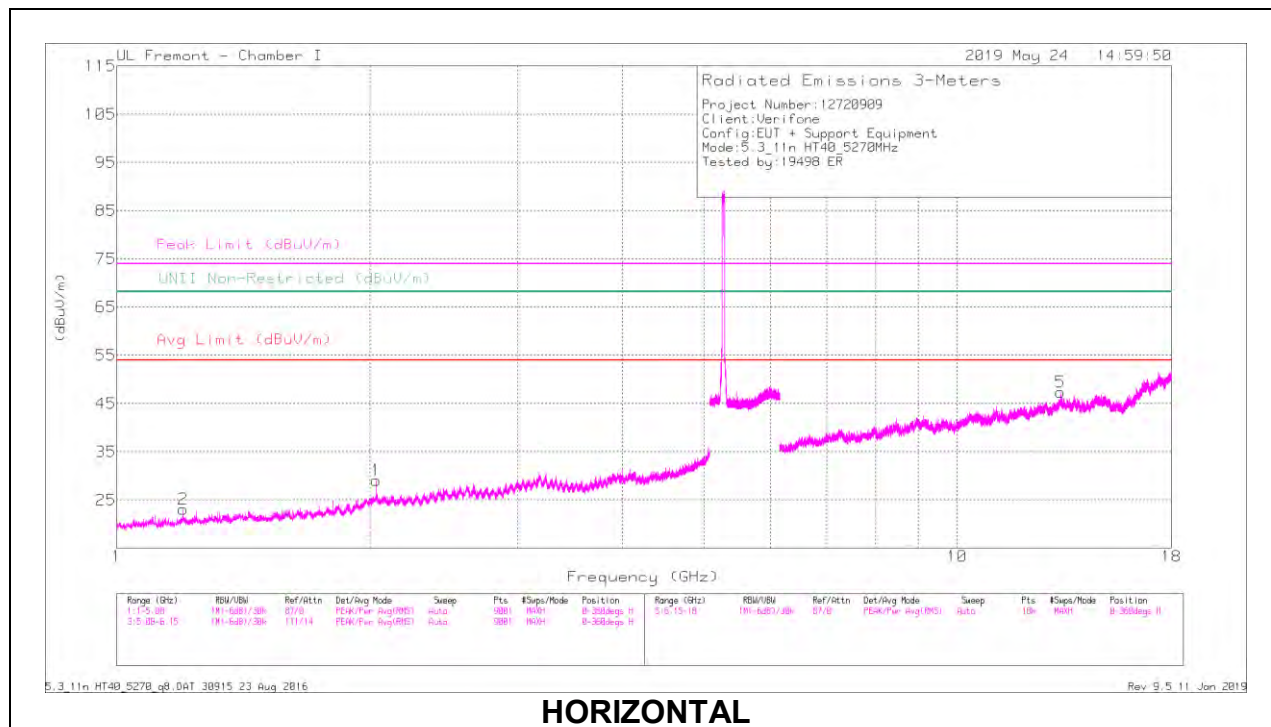
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (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	40.46	PK	34.5	-18.3	0	56.66	-	-	74	-17.34	252	102	V
2	5.356	45.3	PK	34.4	-18.2	0	61.5	-	-	74	-12.5	252	102	V
3	5.35	28.05	RMS	34.5	-18.3	1.19	45.44	54	-8.34	-	-	252	102	V
4	5.351	28.76	RMS	34.5	-18.3	1.19	46.37	54	-7.41	-	-	252	102	V

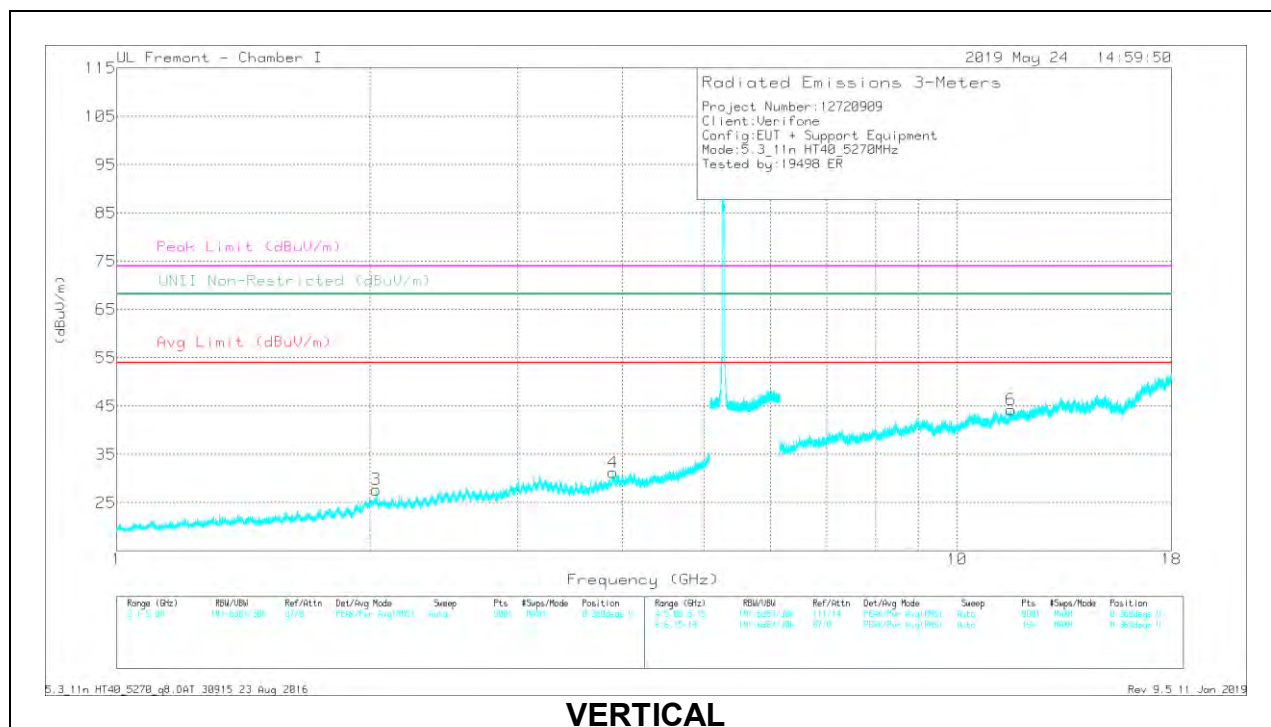
PK - Peak detector
 RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



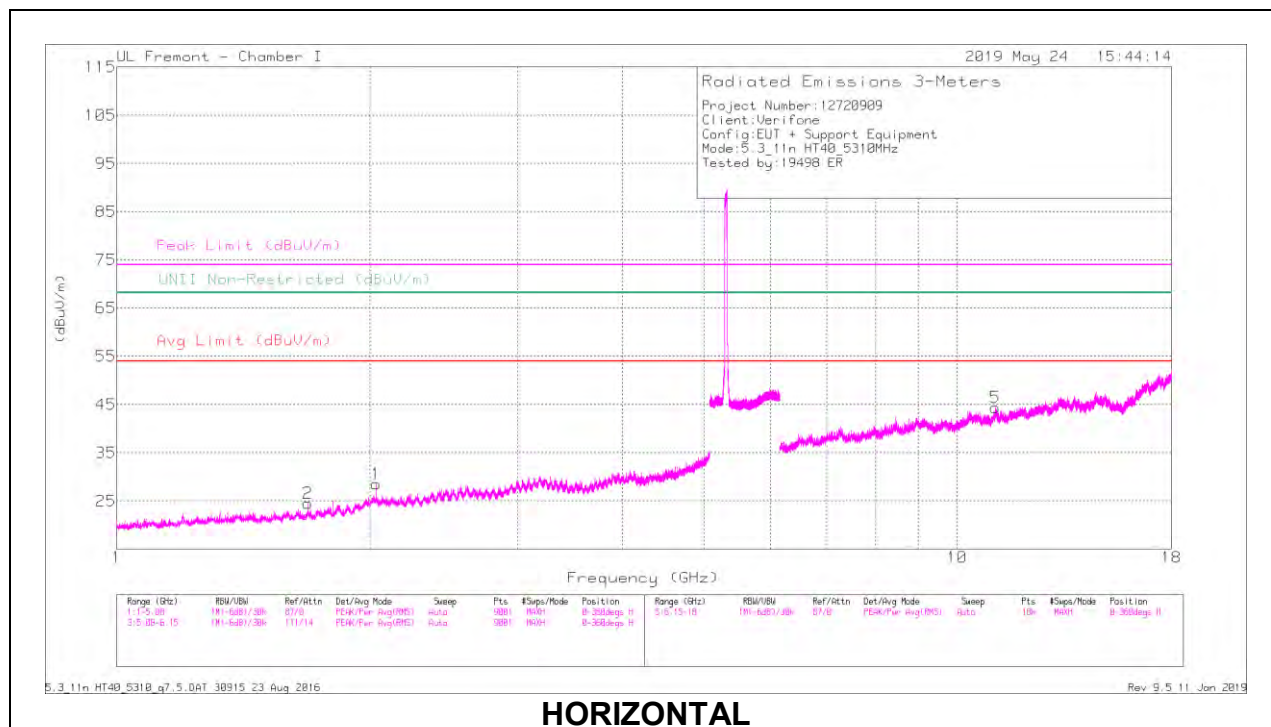
VERTICAL

RADIATED EMISSIONS

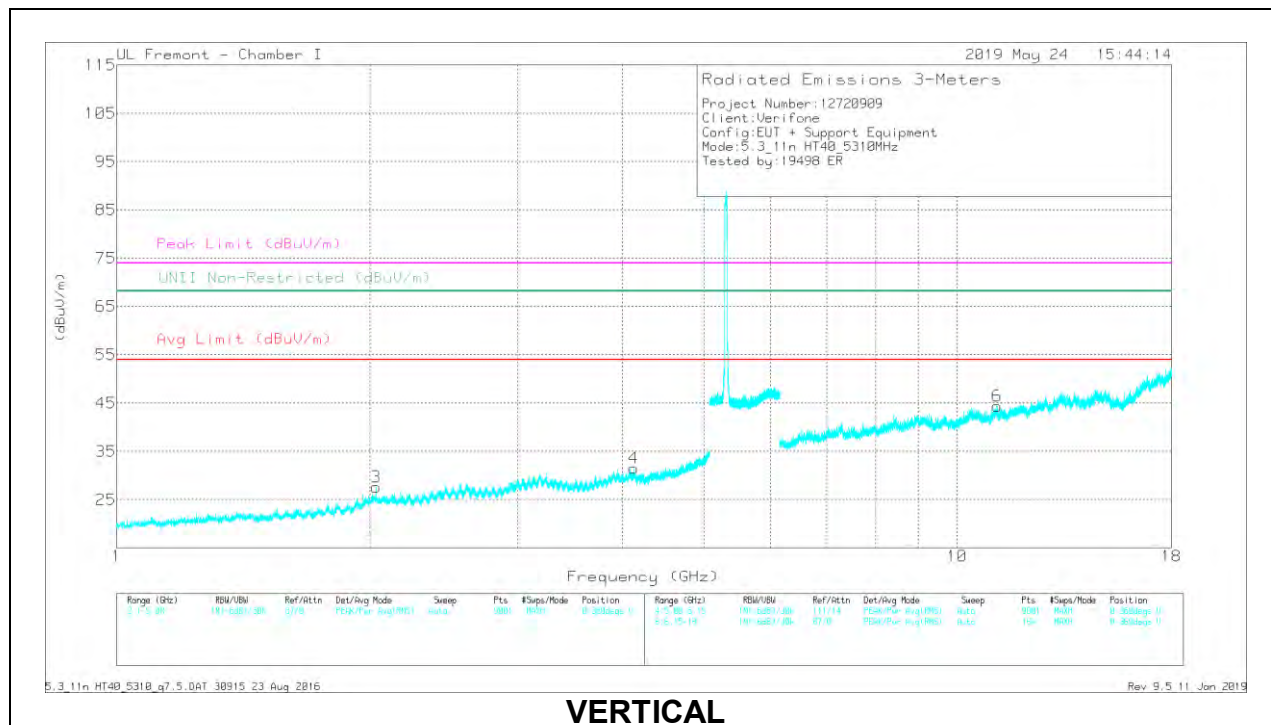
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0190810 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.035	38.91	PK-U	28.2	-32.1	0	35.01	-	-	-	-	68.2	-33.19	316	158	H
2	*1.201	36.97	PK-U	24.2	-34	0	27.17	-	-	74	-46.83	-	-	148	131	H
	*1.204	28.98	ADR	24.2	-34	1.19	20.37	54	-33.63	-	-	-	-	148	131	H
3	2.035	39.67	PK-U	28.2	-32.1	0	35.77	-	-	-	-	68.2	-32.43	85	105	V
4	*3.899	34.76	PK-U	31.7	-28.8	0	37.66	-	-	74	-36.34	-	-	48	189	V
	*3.898	25.06	ADR	31.7	-28.8	1.19	29.15	54	-24.85	-	-	-	-	48	189	V
5	*13.289	26.55	PK-U	41.1	-15.9	0	51.75	-	-	74	-22.25	-	-	284	231	H
	*13.291	18.81	ADR	41.1	-15.9	1.19	45.2	54	-8.8	-	-	-	-	284	231	H
6	*11.591	26.25	PK-U	39.1	-16.6	0	48.75	-	-	74	-25.25	-	-	212	181	V
	*11.588	18.29	ADR	39.1	-16.6	1.19	41.98	54	-12.02	-	-	-	-	212	181	V

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

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0190810 (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	2.035	38.7	PK-U	28.2	-32.1	0	34.8	-	-	-	-	68.2	-33.4	307	165	H
2	*1.691	36.41	PK-U	25.5	-33.1	0	28.81	-	-	74	-45.19	-	-	181	136	H
	*1.691	28.22	ADR	25.5	-33.1	1.19	21.81	54	-32.19	-	-	-	-	181	136	H
3	2.035	37.66	PK-U	28.2	-32.1	0	33.76	-	-	-	-	68.2	-34.44	112	105	V
4	*4.125	33.54	PK-U	31.5	-27.8	0	37.24	-	-	74	-36.76	-	-	284	182	V
	*4.122	24.44	ADR	31.5	-27.8	1.19	29.33	54	-24.67	-	-	-	-	284	182	V
5	*11.104	26.76	PK-U	39.1	-16.9	0	48.96	-	-	74	-25.04	-	-	349	254	H
	*11.103	18.4	ADR	39.1	-16.9	1.19	41.79	54	-12.21	-	-	-	-	349	254	H
6	*11.158	26.38	PK-U	39	-16.5	0	48.88	-	-	74	-25.12	-	-	203	140	V
	*11.157	18.51	ADR	39	-16.5	1.19	42.2	54	-11.8	-	-	-	-	203	140	V

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

PK-U - U-NII: Maximum Peak

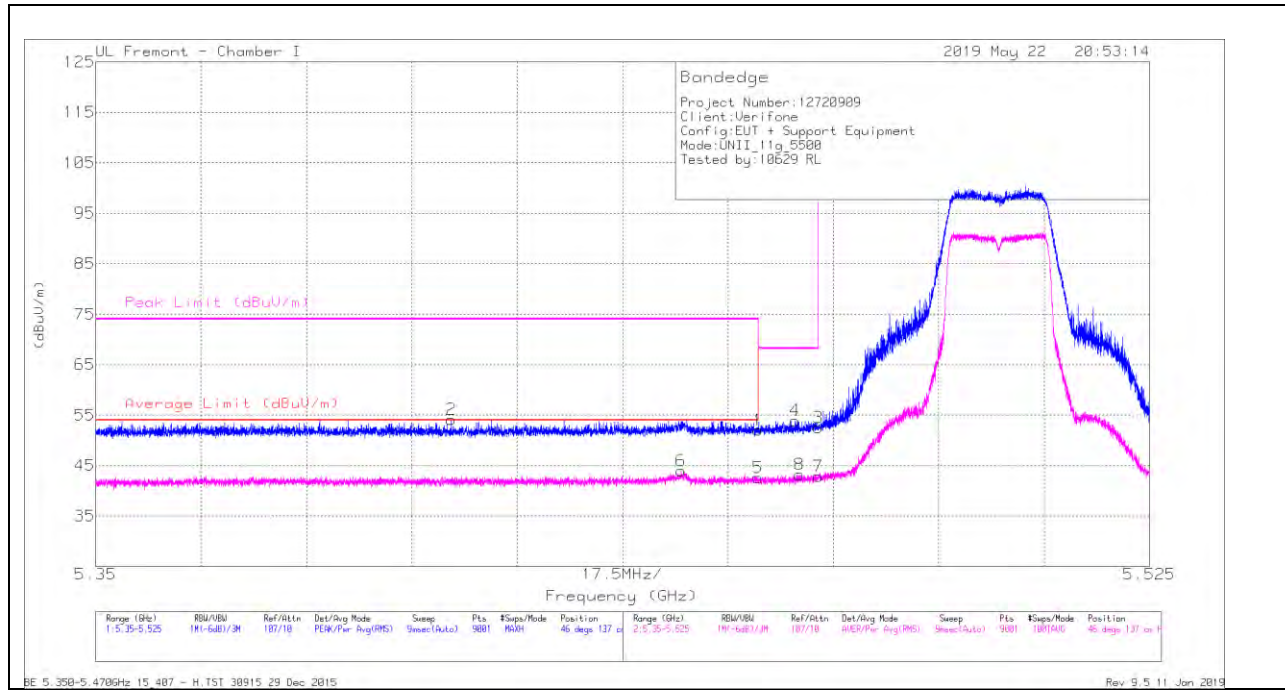
ADR - U-NII AD primary method, RMS average

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

1TX Antenna 1 MODE

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

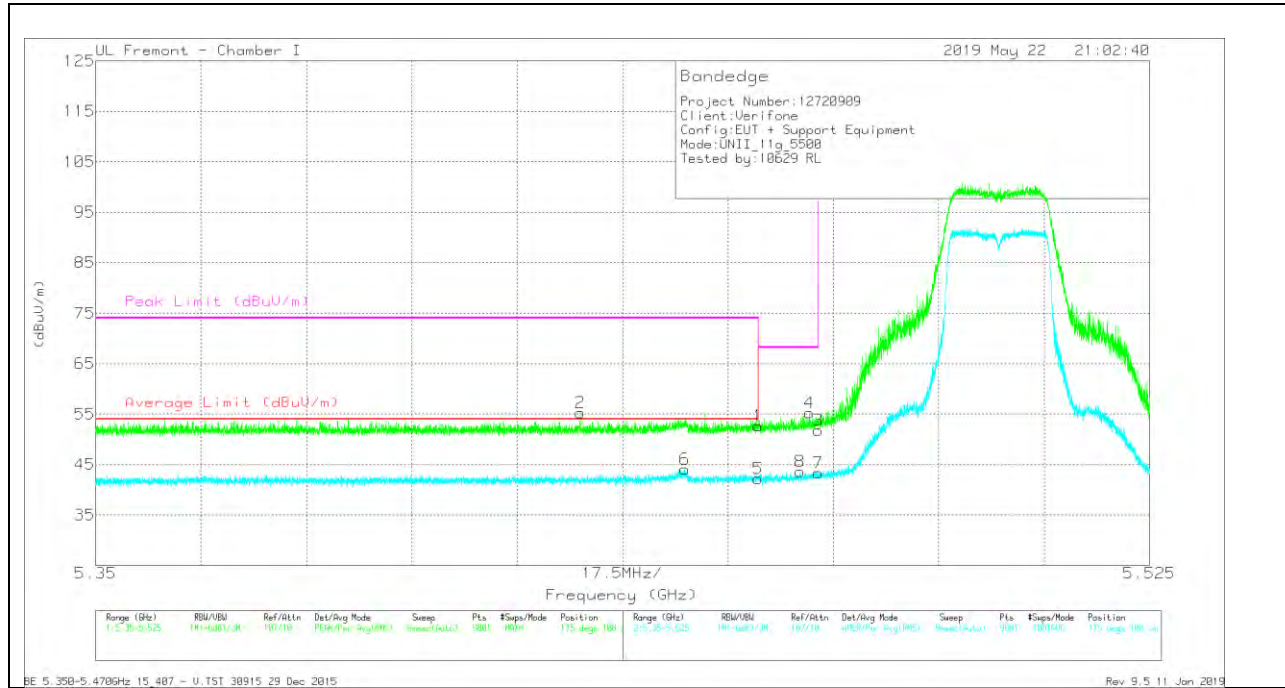


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbi/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	35.31	Pk	34.6	-17.9	0	52.01	-	-	74	-21.99	46	137	H
2	* 5.409	37.71	Pk	34.5	-18.1	0	54.11	-	-	74	-19.89	46	137	H
3	5.47	35.82	Pk	34.6	-17.9	0	52.52	-	-	68.2	-15.68	46	137	H
4	* 5.466	37.45	Pk	34.5	-18	0	53.95	-	-	68.2	-14.25	46	137	H
5	* 5.46	25.3	RMS	34.6	-17.9	.6	42.6	54	-11.4	-	-	46	137	H
6	* 5.447	26.79	RMS	34.5	-17.9	.6	43.99	54	-10.01	-	-	46	137	H
7	5.47	25.58	RMS	34.6	-17.9	.6	42.88	-	-	-	-	46	137	H
8	5.467	26.13	RMS	34.5	-18	.6	43.23	-	-	-	-	46	137	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

VERTICAL RESULT



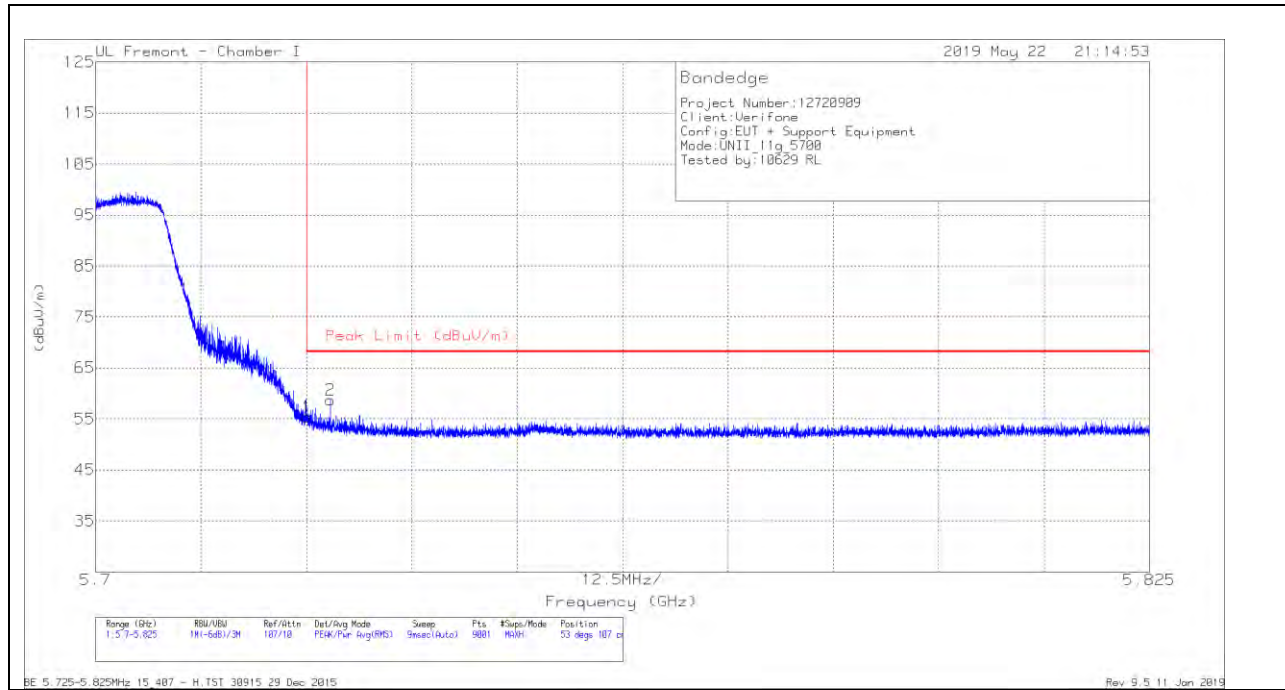
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (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	35.91	Pk	34.6	-17.9	0	52.61	-	-	74	-21.39	175	108	V
2	* 5.43	38.72	Pk	34.5	-18	0	55.22	-	-	74	-18.78	175	108	V
3	5.47	35.07	Pk	34.6	-17.9	0	51.77	-	-	68.2	-16.43	175	108	V
4	5.469	38.7	Pk	34.6	-18	0	55.3	-	-	68.2	-12.9	175	108	V
5	* 5.46	24.97	RMS	34.6	-17.9	.6	42.27	54	-11.73	-	-	175	108	V
6	* 5.448	26.86	RMS	34.5	-17.9	.6	44.06	54	-9.94	-	-	175	108	V
7	5.47	26.07	RMS	34.6	-17.9	.6	43.37	-	-	-	-	175	108	V
8	5.467	26.53	RMS	34.5	-18	.6	43.63	-	-	-	-	175	108	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT

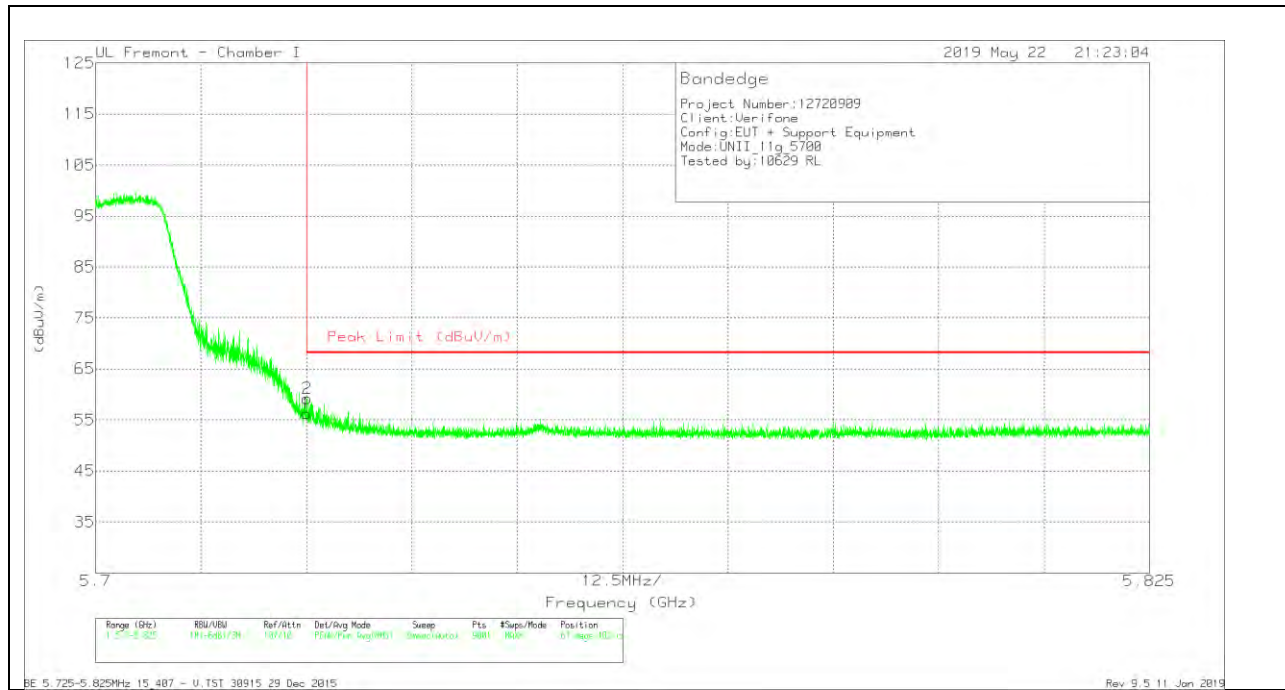


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cb/Filter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	38.94	Pk	35	-18.5	0	55.44	68.2	-12.76	53	107	H
2	5.728	42.2	Pk	35	-18.5	0	58.7	68.2	-9.5	53	107	H

Pk - Peak detector

VERTICAL RESULT



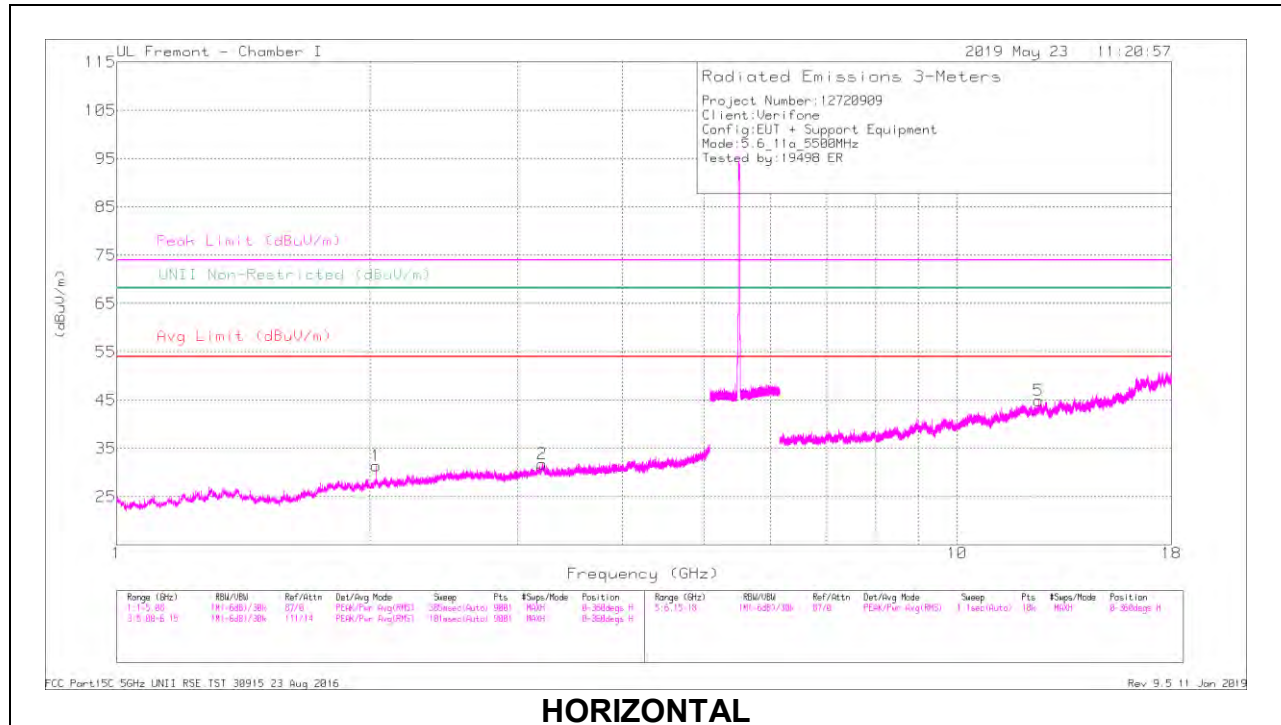
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	39.71	Pk	35	-18.5	0	56.21	68.2	-11.99	67	102	V
2	5.725	42.75	Pk	35	-18.5	0	59.25	68.2	-8.95	67	102	V

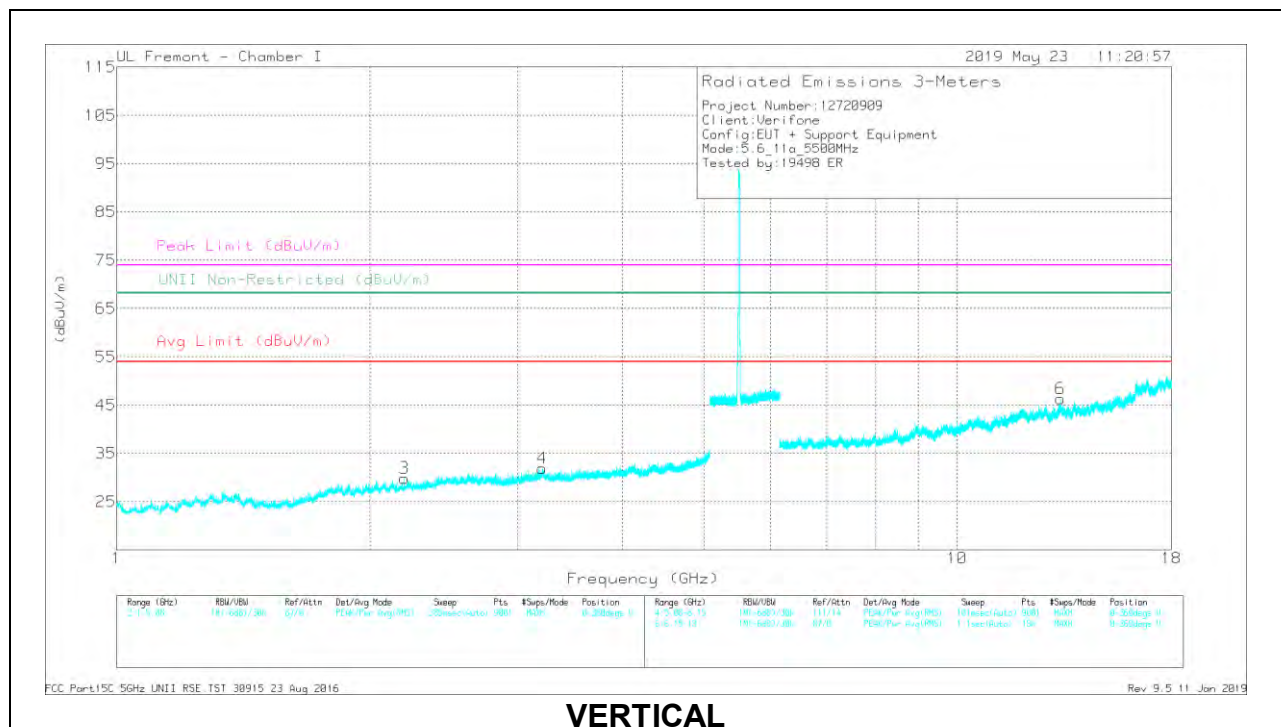
Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

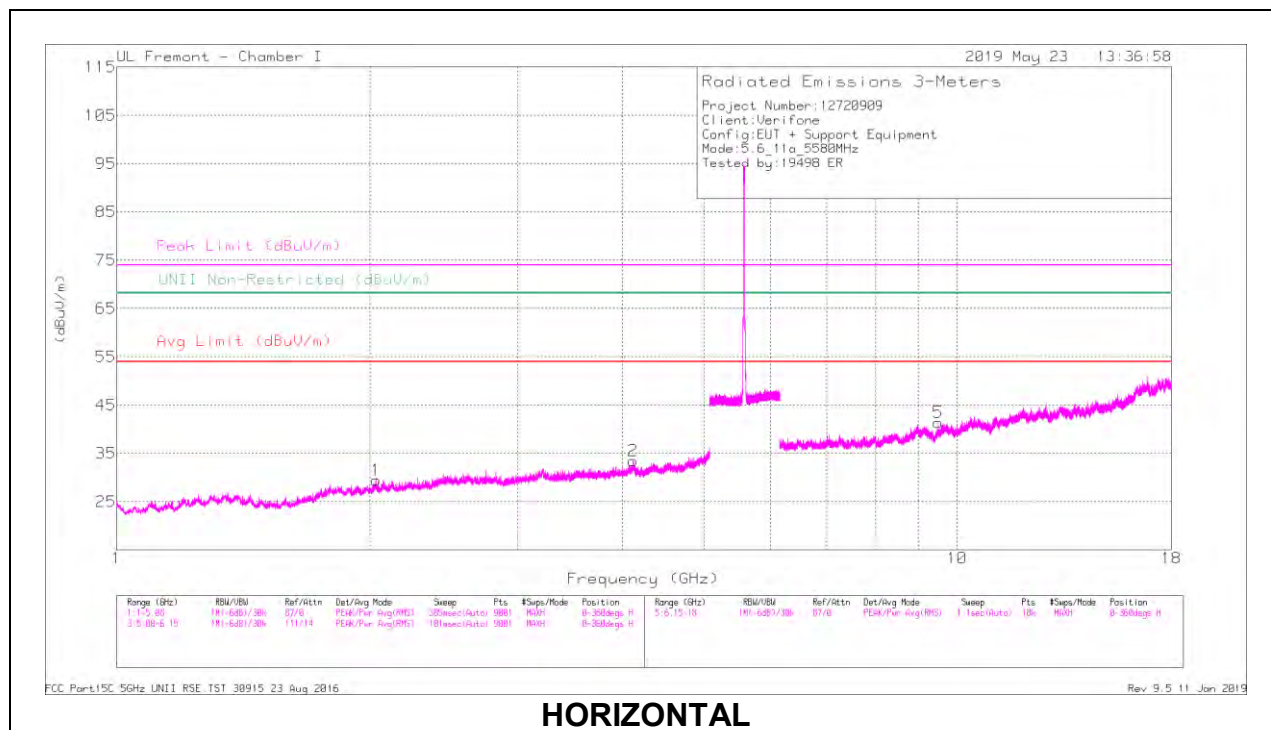
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)
1	2.035	38.69	PK-U	31.1	-32.1	0	37.69	-	-	-	-	68.2	-30.51	39	105
2	3.21	34.49	PK-U	33.6	-29.8	0	36.29	-	-	-	-	68.2	-29.91	148	137
3	2.198	37.64	PK-U	31.3	-32.2	0	36.74	-	-	-	-	68.2	-31.46	37	220
4	3.211	37.9	PK-U	33.7	-29.8	0	41.8	-	-	-	-	68.2	-26.4	287	182
5	* 12.499	27.3	PK-U	39.1	-16.1	0	50.3	-	-	74	-23.7	-	-	189	134
	* 12.498	18.76	ADR	39.1	-16.1	0.6	42.36	54	-11.64	-	-	-	-	189	134
6	* 13.289	28.89	PK-U	39.7	-15.9	0	52.69	-	-	74	-21.31	-	-	93	170
	* 13.291	19.25	ADR	39.7	-15.9	0.6	43.65	54	-10.35	-	-	-	-	93	170

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

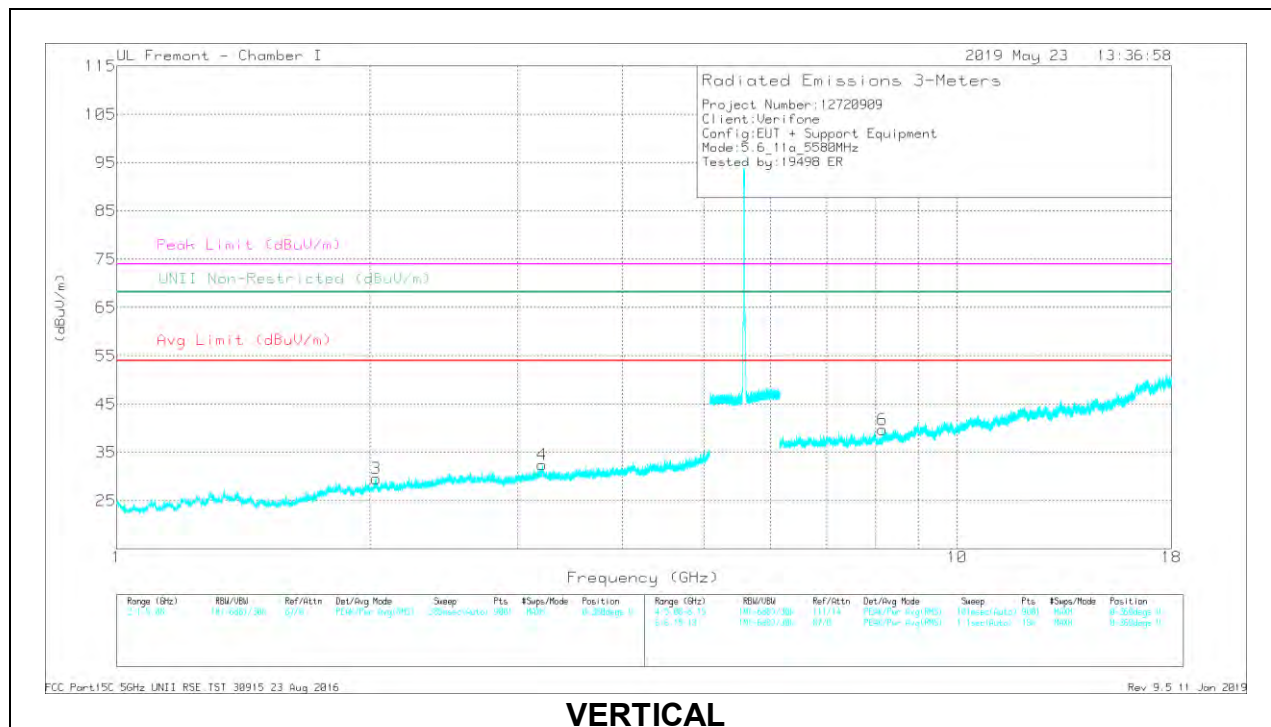
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

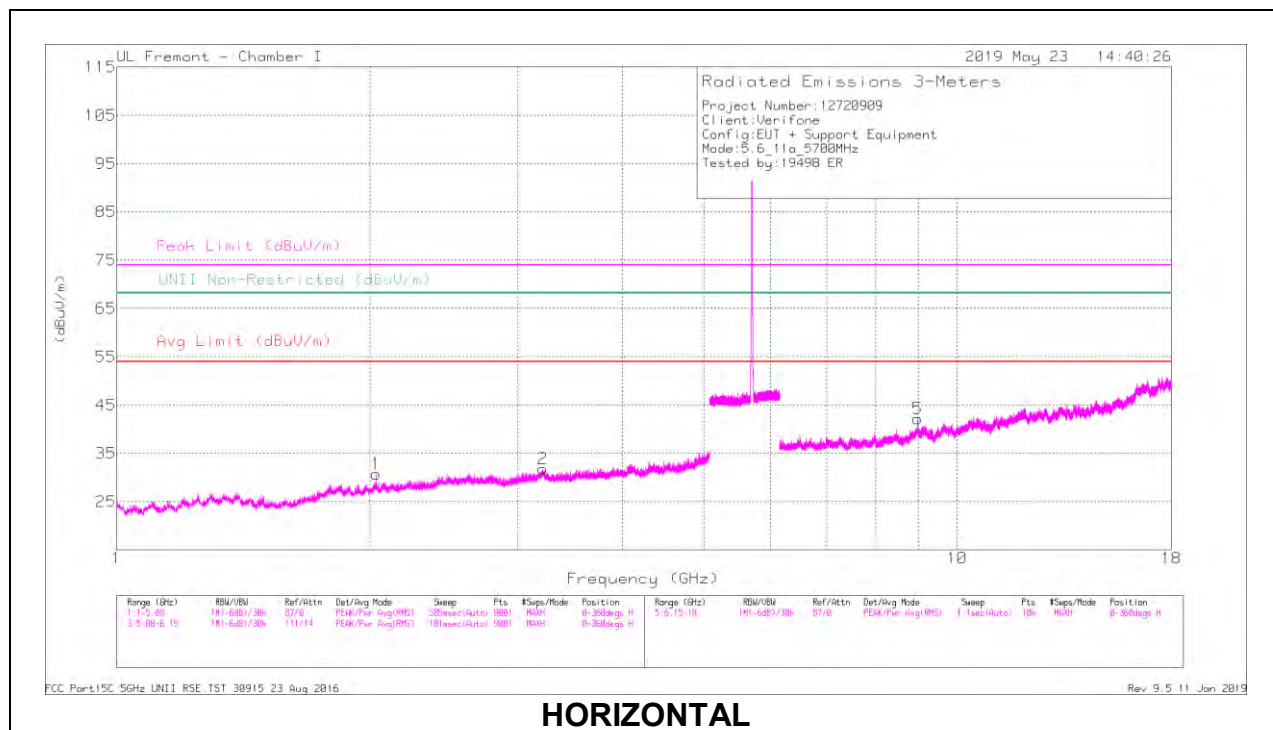
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)
1	2.034	33.23	PK-U	31	-32.1	0	-37.13	-	-	-	-	68.2	-31.07	39	159
2	* 4.12	35.26	PK-U	33.4	-27.8	0	40.86	-	-	74	-33.14	-	-	188	112
	* 4.12	24.1	ADR	33.5	-27.8	0.6	30.4	54	-23.6	-	-	-	-	188	112
3	2.033	37.7	PK-U	31	-32.1	0	36.6	-	-	-	-	68.2	-31.6	326	253
4	3.207	34.75	PK-U	33.5	-29.8	0	38.45	-	-	-	-	68.2	-29.75	179	128
5	9.502	28.67	PK-U	36.6	-17.1	0	48.17	-	-	-	-	68.2	-20.03	72	172
6	* 8.157	26.95	PK-U	35.7	-19.3	0	43.35	-	-	74	-30.65	-	-	59	258
	* 8.158	18.71	ADR	35.7	-19.3	0.6	35.71	54	-18.29	-	-	-	-	59	258

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

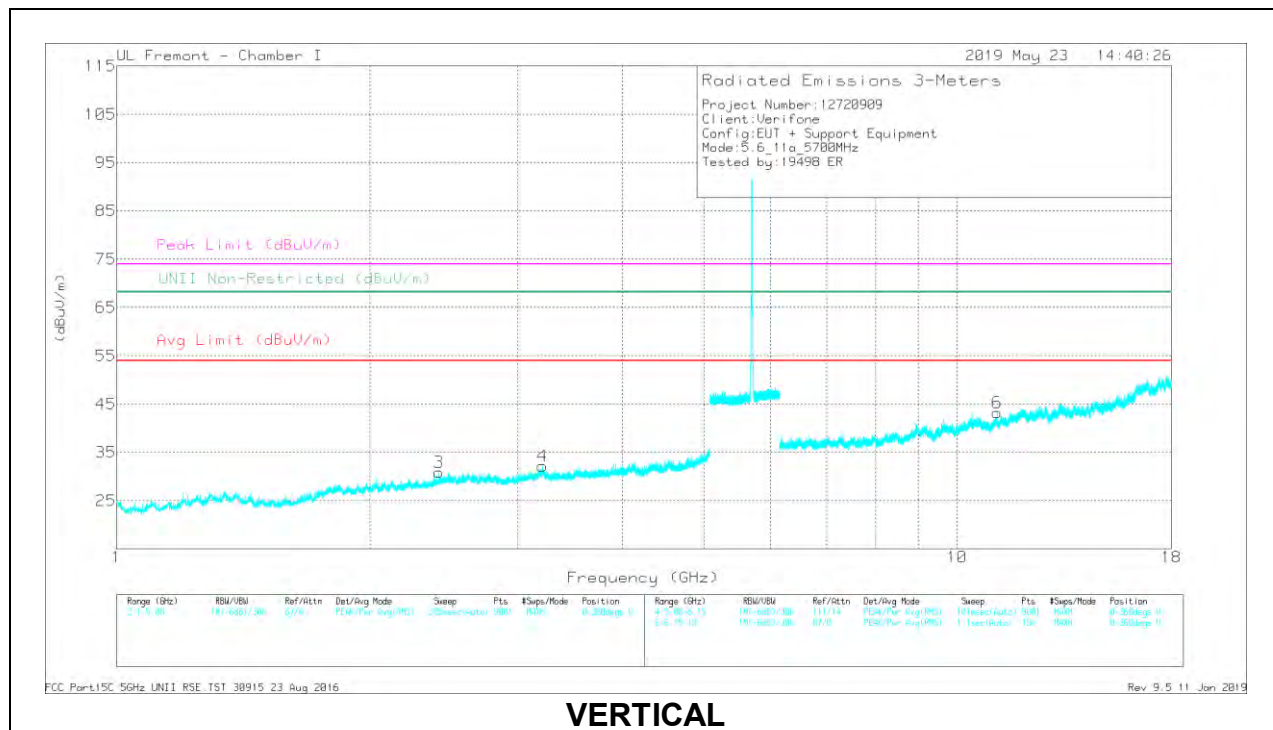
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	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)
1	2.035	33.42	PK-U	31.1	-32.1	0	37.42	-	-	-	-	68.2	-30.78	39	110
2	3.218	33.9	PK-U	33.3	-29.8	0	37.4	-	-	-	-	68.2	-30.8	202	211
3	2.417	34.46	PK-U	32.1	-31.7	0	34.86	-	-	-	-	68.2	-33.34	86	236
4	3.213	33.86	PK-U	33.6	-29.9	0	37.56	-	-	-	-	68.2	-30.64	266	227
5	8.979	26.73	PK-U	36.2	-17.6	0	45.33	-	-	-	-	68.2	-22.87	121	188
6	* 11.163	26.83	PK-U	37.9	-16.6	0	48.13	-	-	74	-25.87	-	-	242	100
	* 11.162	18.7	ADR	37.9	-16.6	0.6	40.6	54	-13.4	-	-	-	-	242	100

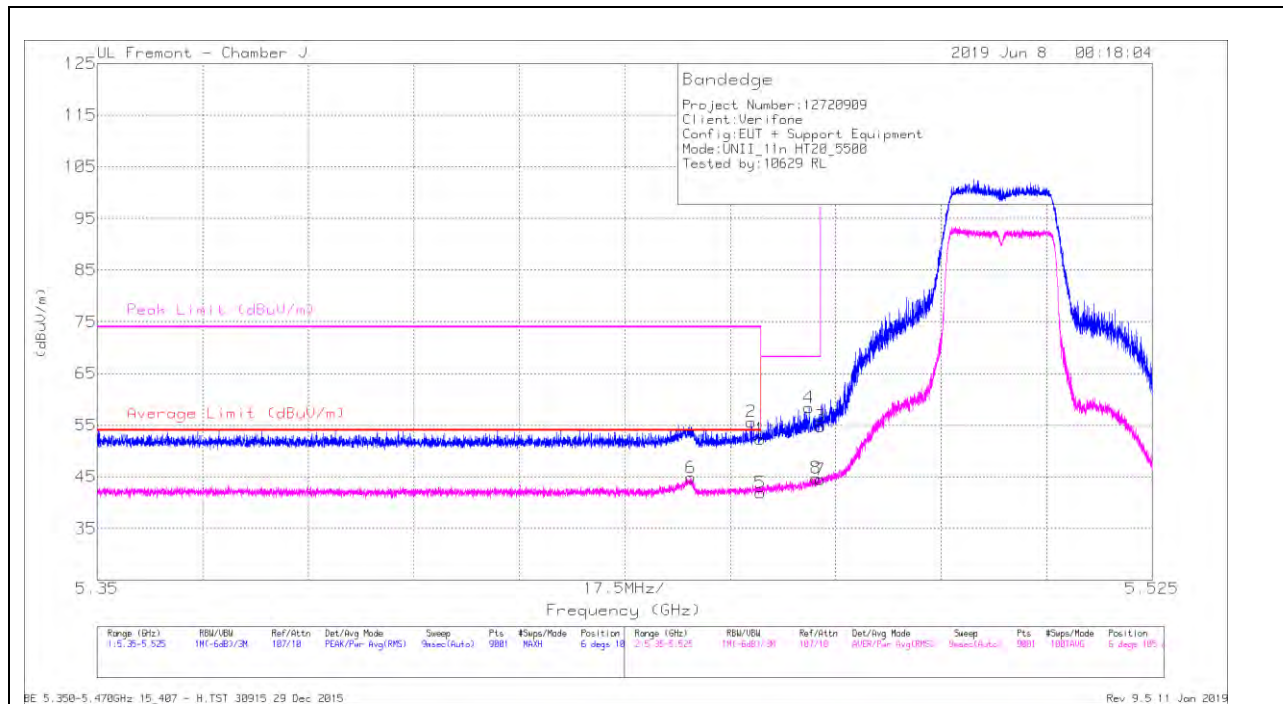
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average

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

1TX Antenna 1 MODE

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Trace Markers

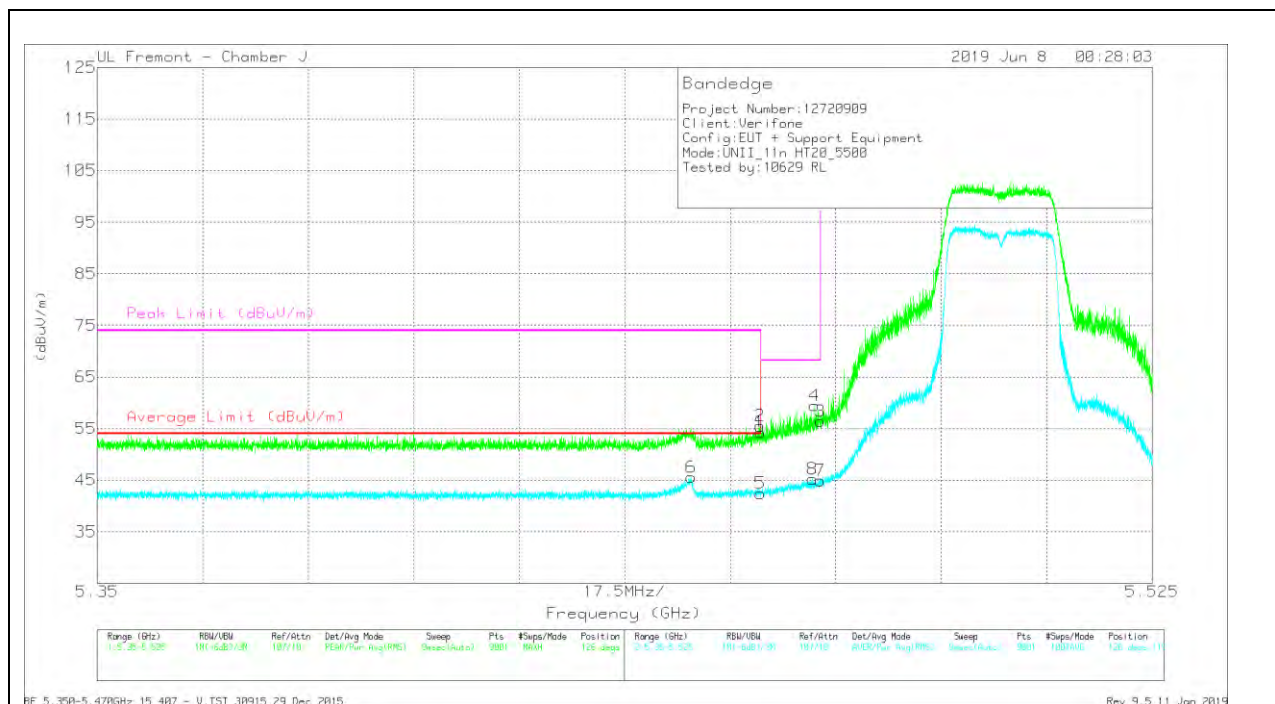
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0189055 (dBm)	Amp/CbI/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	38.59	PK	34.2	-20.5	0	52.29	-	-	74	-21.71	6	105	H
2	* 5.458	41.91	PK	34.2	-20.5	0	55.61	-	-	74	-18.39	6	105	H
3	5.47	41.08	PK	34.2	-20.5	0	54.78	-	-	68.2	-13.42	6	105	H
4	5.468	44.67	PK	34.2	-20.5	0	58.37	-	-	68.2	-9.83	6	105	H
5	* 5.46	27.55	RMS	34.2	-20.5	.64	41.89	54	-12.11	-	-	6	105	H
6	* 5.448	30.49	RMS	34.2	-20.5	.64	44.83	54	-9.17	-	-	6	105	H
7	5.47	30.13	RMS	34.2	-20.5	.64	44.47	-	-	-	-	6	105	H
8	5.469	30.4	RMS	34.2	-20.5	.64	44.74	-	-	-	-	6	105	H

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

PK - Peak detector

RMS - RMS detection

VERTICAL RESULT



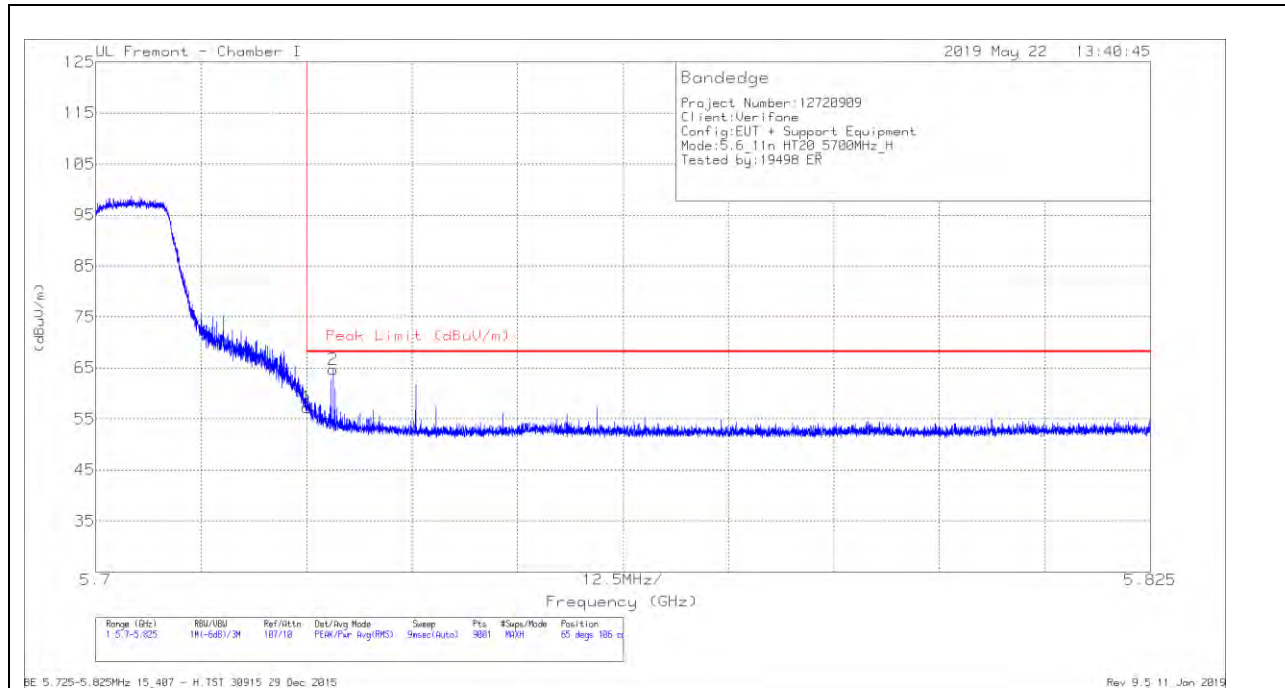
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0189055 (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	40.57	Pk	34.2	-20.5	0	54.27	-	-	74	-19.73	126	119	V
2	* 5.46	41.82	Pk	34.2	-20.5	0	55.52	-	-	74	-18.48	126	119	V
3	5.47	42.71	Pk	34.2	-20.5	0	56.41	-	-	68.2	-11.79	126	119	V
4	5.469	45.73	Pk	34.2	-20.5	0	59.43	-	-	68.2	-8.77	126	119	V
5	* 5.46	28.09	RMS	34.2	-20.5	64	42.43	54	-11.57	-	-	126	119	V
6	* 5.449	31.2	RMS	34.2	-20.5	64	45.54	54	-8.46	-	-	126	119	V
7	5.47	30.58	RMS	34.2	-20.5	64	44.92	-	-	-	-	126	119	V
8	5.469	30.87	RMS	34.2	-20.5	64	45.21	-	-	-	-	126	119	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

BANEDGE (HIGH CHANNEL)

HORIZONTAL RESULT

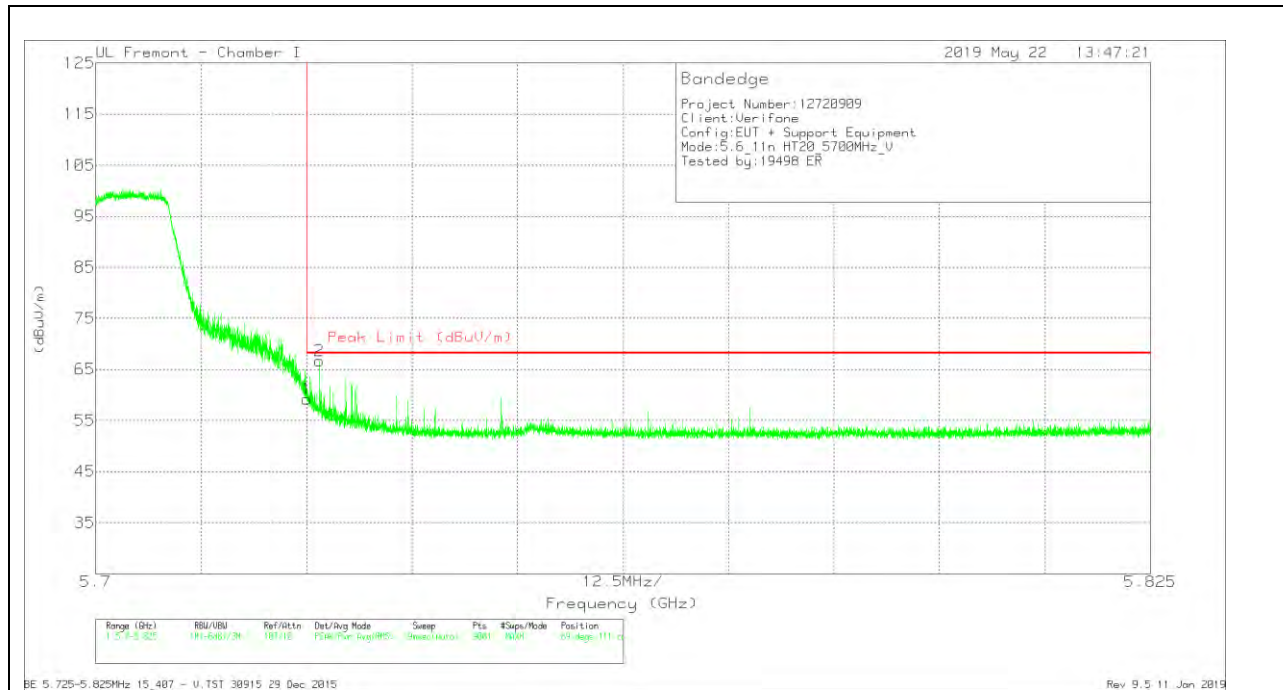


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	40.8	Pk	35	-18.5	57.3	68.2	-10.9	65	106	H
2	5.728	48.25	Pk	35	-18.5	64.75	68.2	-3.45	65	106	H

Pk - Peak detector

VERTICAL RESULT



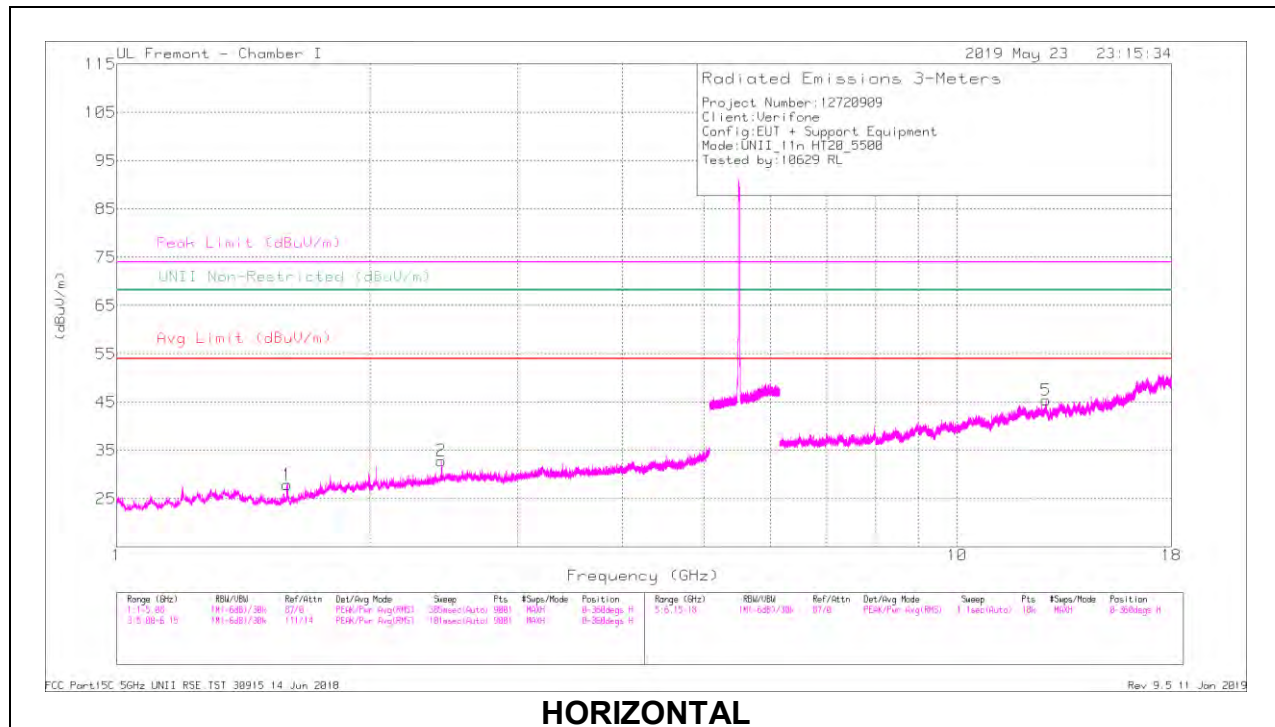
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	42.75	Pk	35	-18.5	59.25	68.2	-8.95	69	111	V
2	5.727	50.23	Pk	35	-18.5	66.73	68.2	-1.47	69	111	V

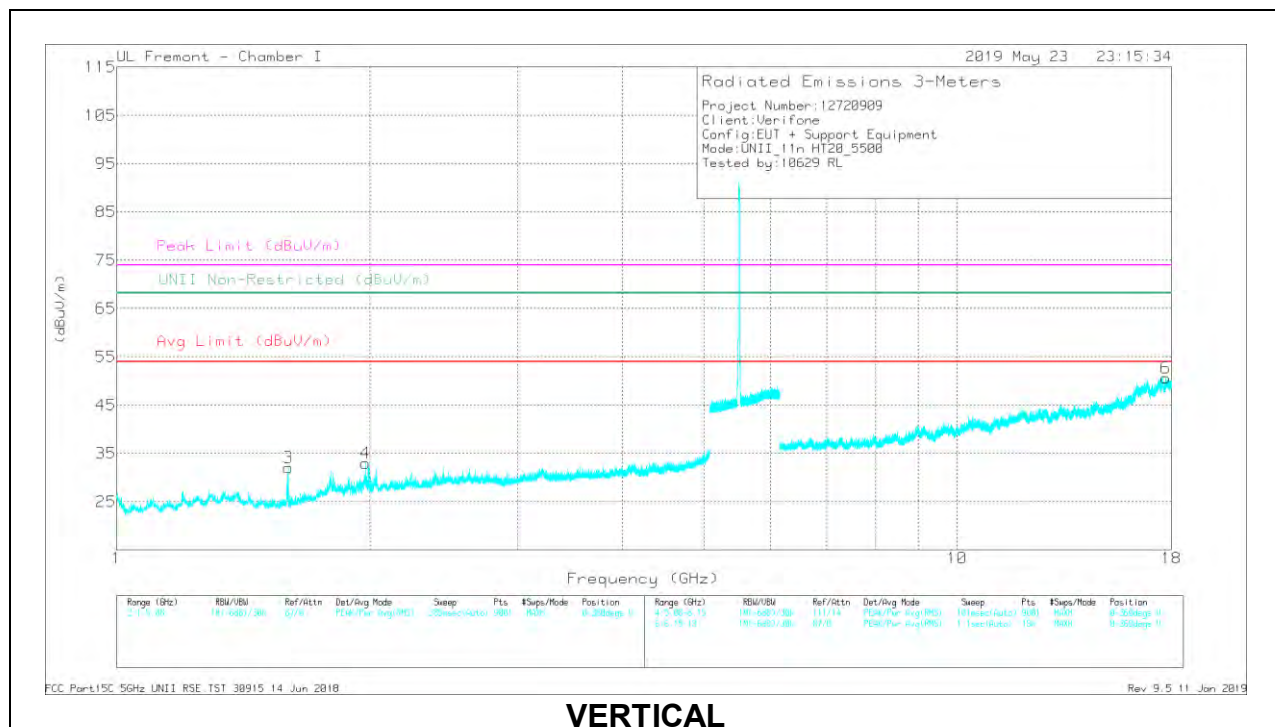
Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



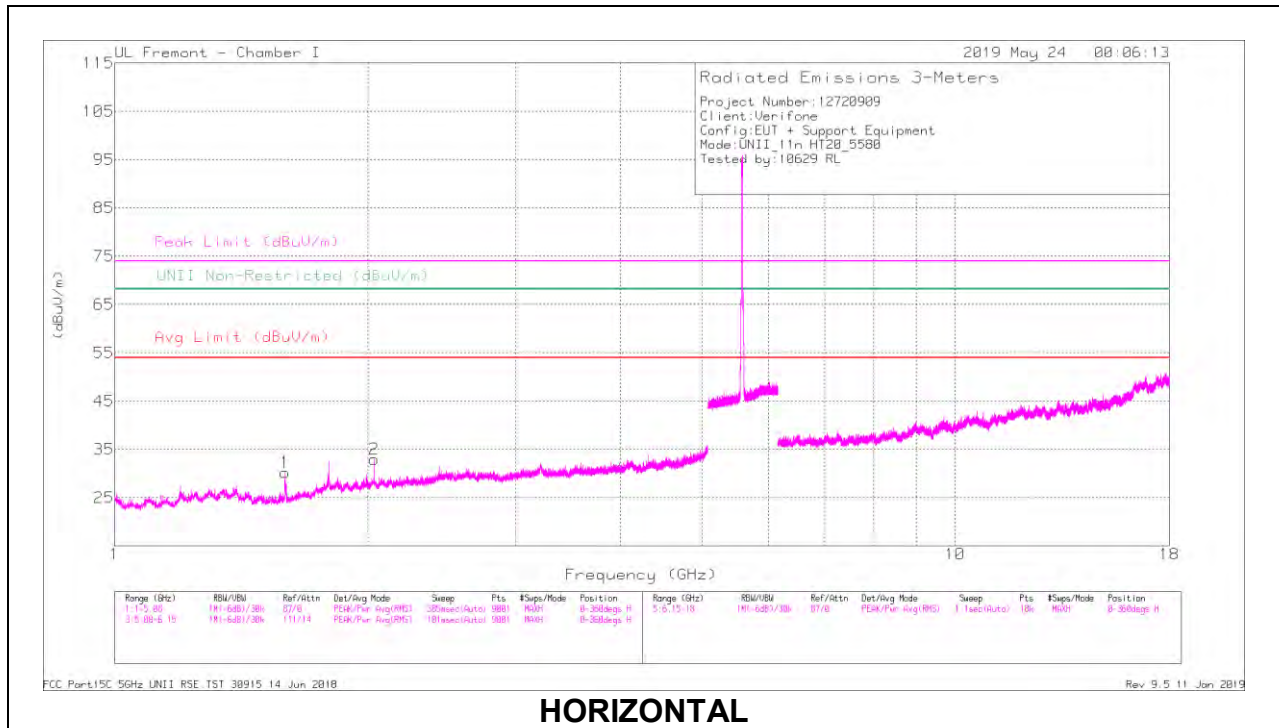
VERTICAL

RADIATED EMISSIONS

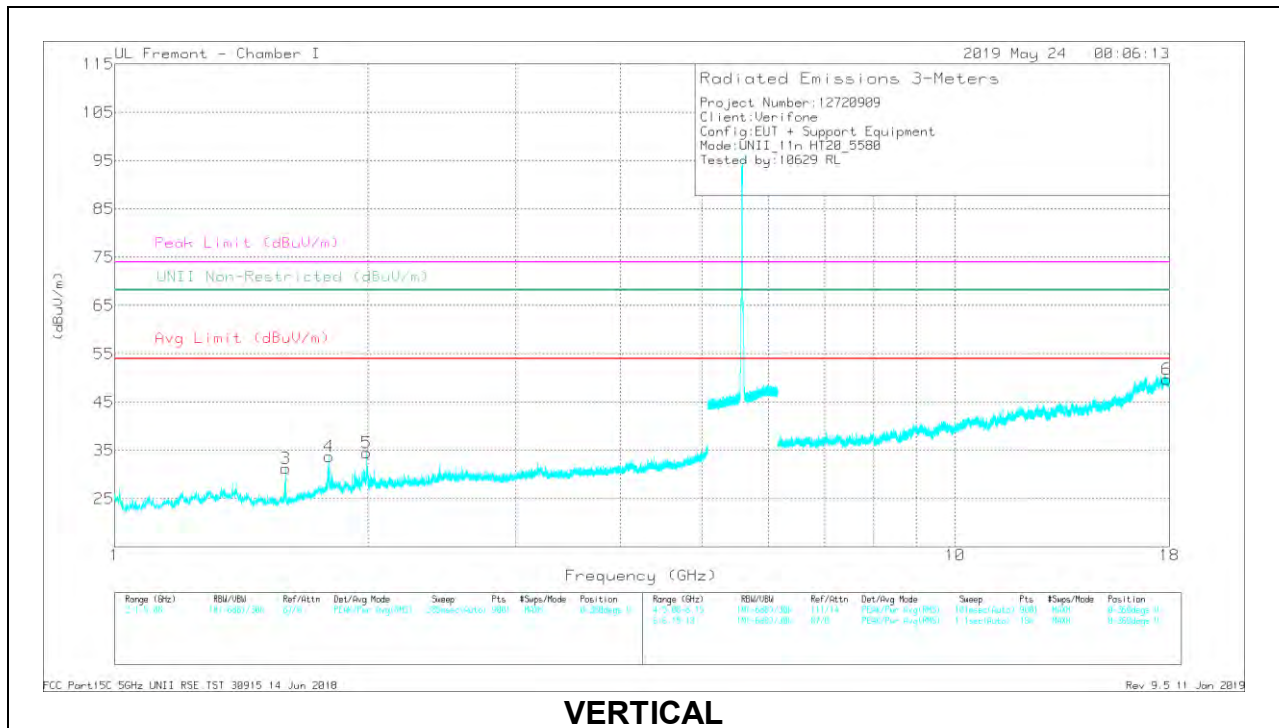
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.597	48.41	PK-U	28	-33.1	0	43.31	-	-	74	-30.69	-	-	309	281	H
	* 1.594	28.8	ADR	28	-33	.64	24.44	54	-29.56	-	-	-	-	309	281	H
2	2.442	39.38	PK-U	32.2	-31.6	0	39.98	-	-	-	-	68.2	-28.22	344	301	H
3	* 1.593	46.98	PK-U	28.1	-33	0	42.08	-	-	74	-31.92	-	-	150	314	V
	* 1.595	29.88	ADR	28	-33	.64	25.52	54	-28.48	-	-	-	-	150	314	V
4	1.973	39.64	PK-U	30.8	-32.4	0	38.04	-	-	-	-	68.2	-30.16	354	180	V
5	12.755	29.98	PK-U	39.1	-15.6	0	53.48	-	-	-	-	68.2	-14.72	209	278	H
6	* 17.727	28.3	PK-U	41.7	-9.9	0	60.1	-	-	74	-13.9	-	-	341	376	V
	* 17.726	16.75	ADR	41.7	-9.9	.64	49.19	54	-4.81	-	-	-	-	341	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

MID CHANNEL RESULTS



HORIZONTAL



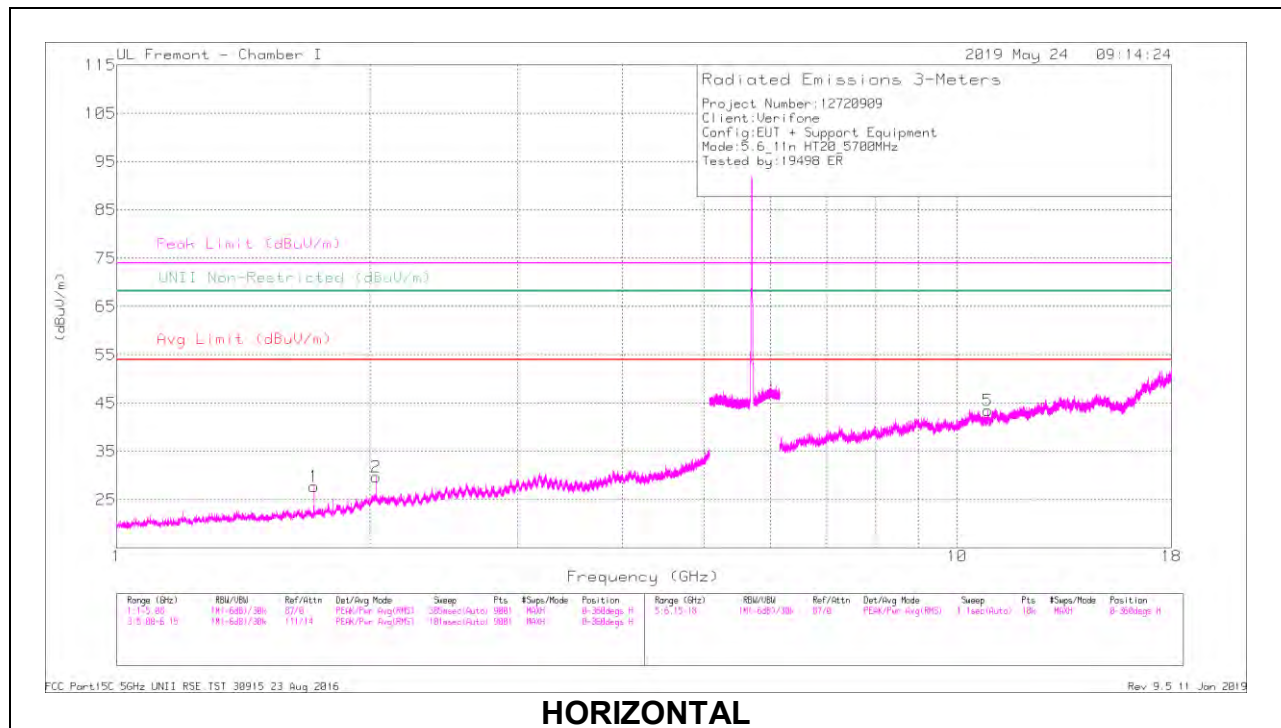
VERTICAL

RADIATED EMISSIONS

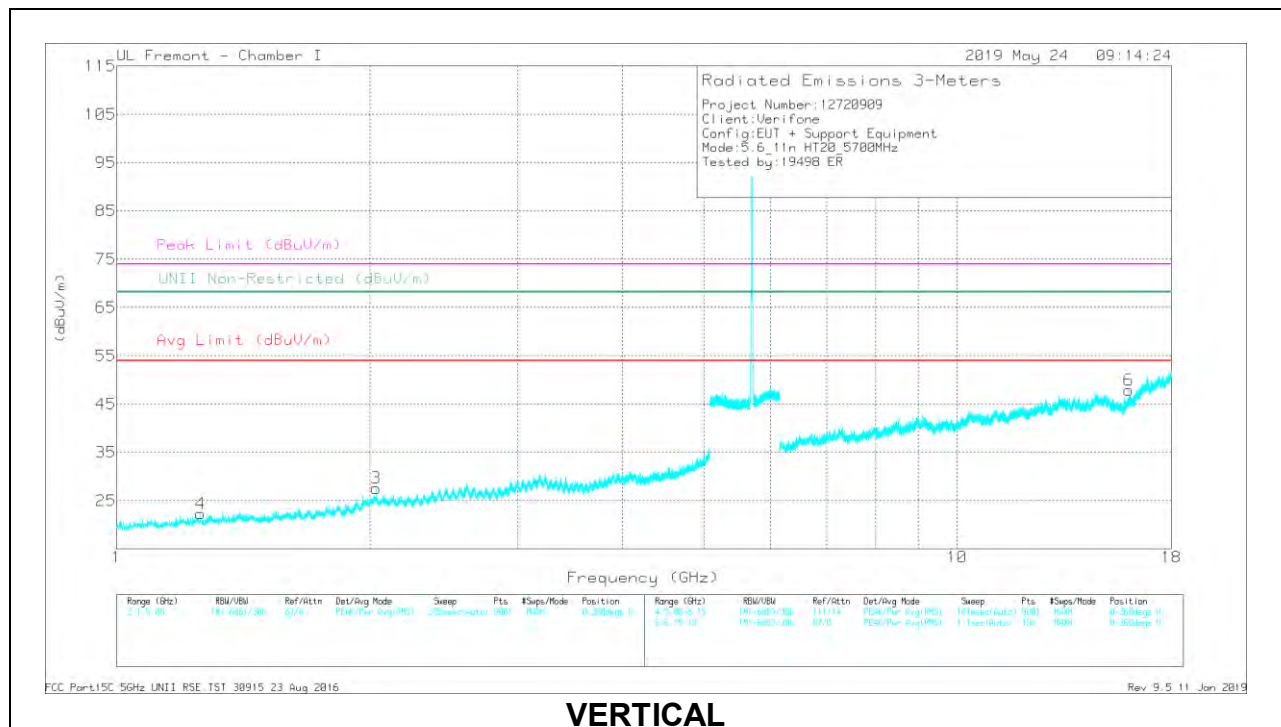
Marker	Frequency (GHz)	Meter Reading (dBµV)	Det	AF T862 (dBm)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBµV/m)	Avg Limit (dBµV/m)	Margin (dB)	Peak Limit (dBµV/m)	PK Margin (dB)	UNII Non-Restricted (dBµV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.598	49.93	PK-U	28	-33.1	0	-44.83	-	-	74	-29.17	-	-	303	182	H
	* 1.593	29.02	ADR	28.1	-33	64	24.76	54	-29.24	-	-	-	-	303	182	H
2	2.035	39.35	PK-U	31.1	-32.1	0	38.35	-	-	-	-	68.2	-29.85	37	133	H
3	* 1.597	50.13	PK-U	28	-33.1	0	45.03	-	-	74	-28.97	-	-	169	181	V
	* 1.594	30.57	ADR	28	-33	64	26.21	54	-27.79	-	-	-	-	169	181	V
4	1.799	45.71	PK-U	30.6	-32.6	0	43.71	-	-	-	-	68.2	-24.49	175	387	V
5	1.991	47.38	PK-U	30.9	-32.4	0	45.88	-	-	-	-	68.2	-22.32	325	268	V
6	* 17.87	24.44	PK-U	41.6	-10.7	0	55.34	-	-	74	-18.66	-	-	159	320	V
	* 17.868	16.04	ADR	41.7	-10.7	64	47.68	54	-6.32	-	-	-	-	159	320	V

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

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0190810 (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)
1	1.717	37.42	PK-U	25.7	-33.1	0	30.02	-	-	-	-	68.2	-38.18	110	134
2	2.035	39.92	PK-U	28.2	-32.1	0	36.02	-	-	-	-	68.2	-32.18	316	157
3	2.035	37.24	PK-U	28.2	-32.1	0	33.34	-	-	-	-	68.2	-34.86	205	232
4	* 1.256	37.05	PK-U	24.4	-34	0	27.45	-	-	74	-46.65	-	-	287	183
	* 1.257	29.14	ADR	24.4	-34	0.64	20.18	54	-33.82	-	-	-	-	287	183
5	* 10.891	25.22	PK-U	39	-16	0	48.22	-	-	74	-25.78	-	-	99	126
	* 10.89	17.45	ADR	39	-16	0.64	41.09	54	-12.91	-	-	-	-	99	126
6	* 16.024	25.99	PK-U	39.7	-12.6	0	53.09	-	-	74	-20.91	-	-	46	102
	* 16.023	16.81	ADR	39.7	-12.6	0.64	44.55	54	-9.45	-	-	-	-	46	102

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

PK-U - U-NII: Maximum Peak

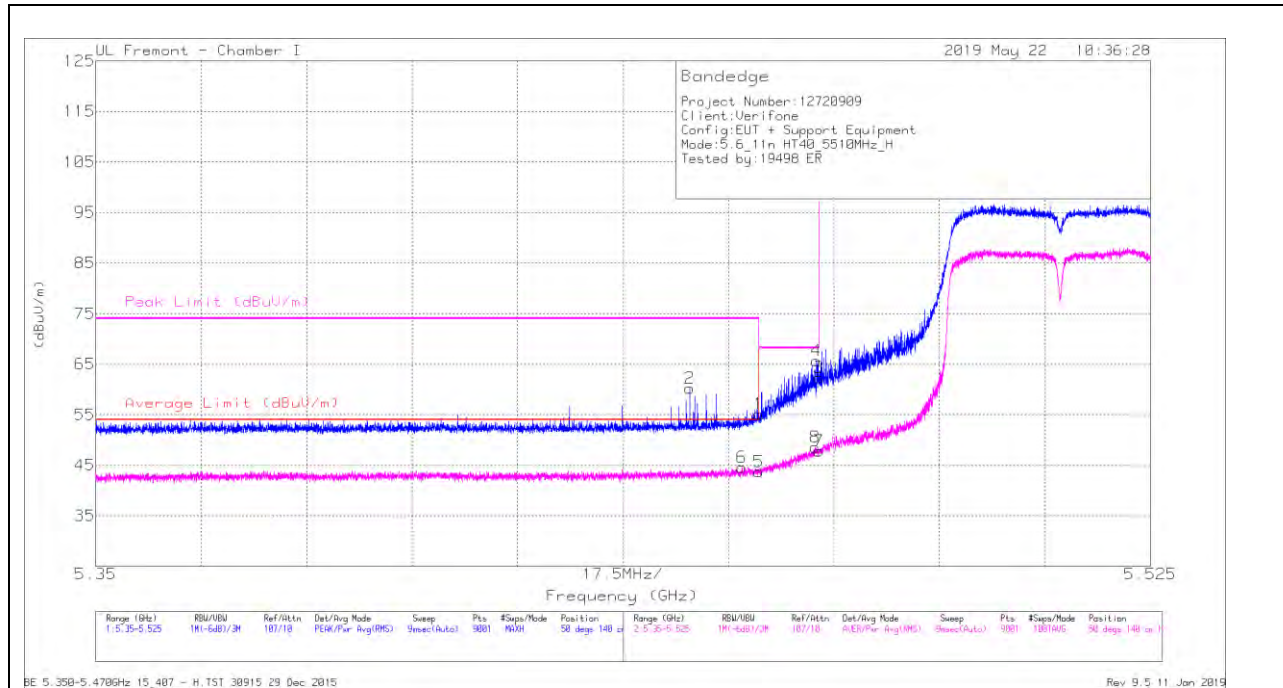
ADR - U-NII AD primary method, RMS average

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

1TX Antenna 1 MODE

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

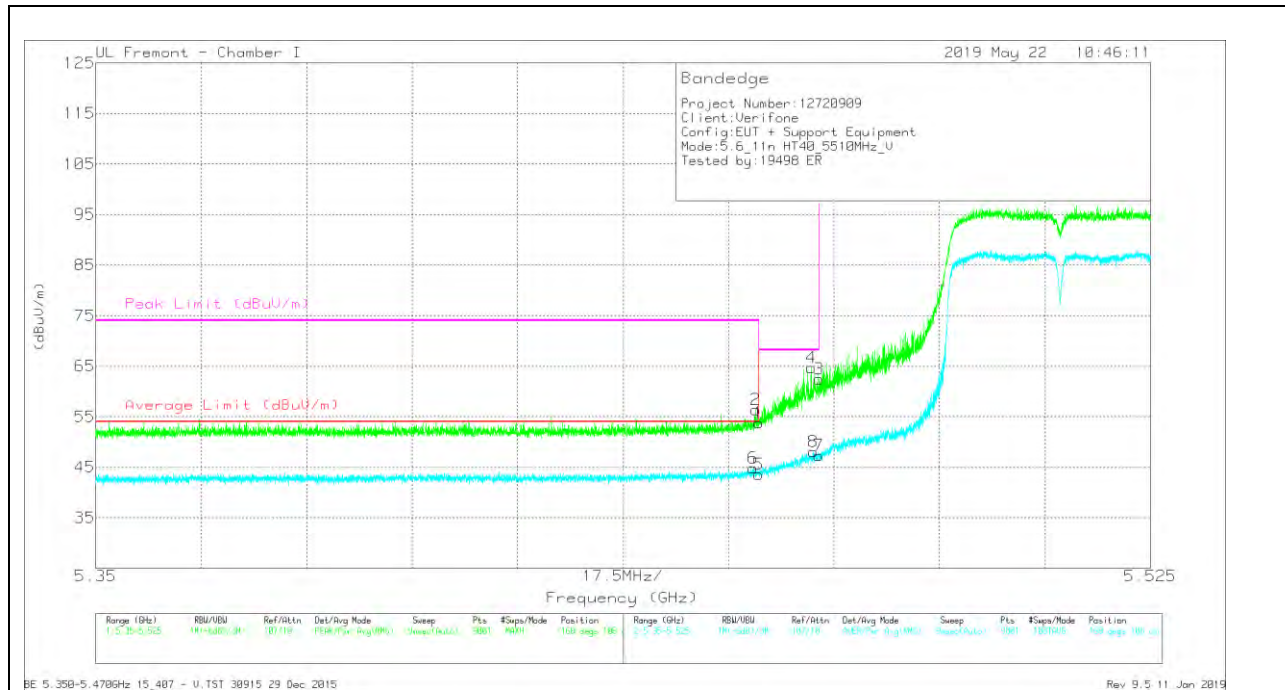


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/CbI/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	38.41	Pk	34.6	-17.9	0	55.11	-	-	74	-18.89	50	140	H
2	5.449	43.64	Pk	34.5	-17.9	0	60.24	-	-	74	-13.76	50	140	H
3	5.47	45.66	Pk	34.6	-17.9	0	62.36	-	-	68.2	-5.84	50	140	H
4	5.47	49.03	Pk	34.6	-18	0	65.63	-	-	68.2	-2.57	50	140	H
5	5.46	25.56	RMS	34.6	-17.9	1.19	43.45	54	-10.55	-	-	50	140	H
6	5.457	26.49	RMS	34.6	-17.9	1.19	44.38	54	-9.62	-	-	50	140	H
7	5.47	29.65	RMS	34.6	-17.9	1.19	47.54	-	-	-	-	50	140	H
8	5.469	30.57	RMS	34.6	-18	1.19	46.36	-	-	-	-	50	140	H

Pk - Peak detector
 RMS - RMS detection

VERTICAL RESULT



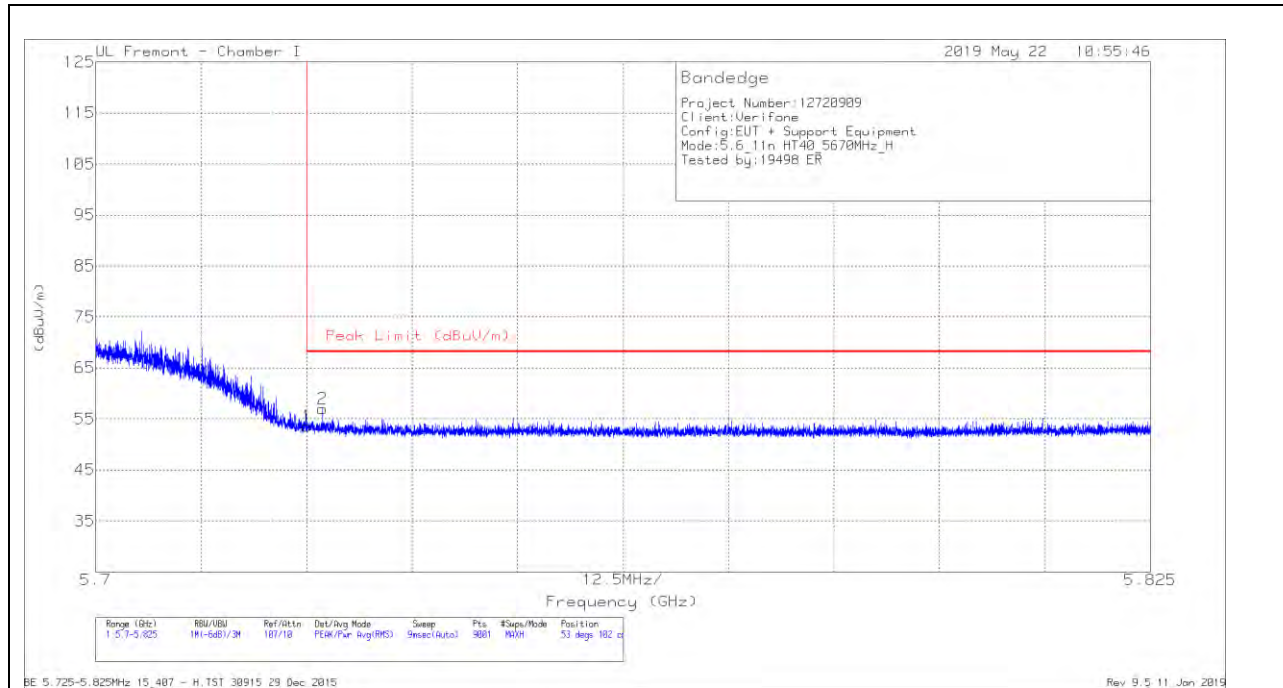
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dBm)	Amp/ChI/FIR/Pa d (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	37.1	PK	34.6	-17.9	0	53.8	-	-	74	-20.2	168	108	V
2	5.46	39.68	PK	34.6	-17.9	0	56.38	-	-	74	-17.62	168	108	V
3	5.47	45.78	PK	34.6	-17.9	0	62.48	-	-	68.2	-5.72	168	108	V
4	5.469	48.05	PK	34.6	-18	0	64.65	-	-	68.2	-3.55	168	108	V
5	5.46	25.48	RMS	34.6	-17.9	1.19	43.37	54	-10.63	-	-	168	108	V
6	5.459	26.72	RMS	34.6	-17.9	1.19	44.61	54	-9.39	-	-	168	108	V
7	5.47	29.25	RMS	34.6	-17.9	1.19	47.14	-	-	-	-	168	108	V
8	5.469	30.05	RMS	34.6	-18	1.19	47.84	-	-	-	-	168	108	V

PK - Peak detector
 RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT

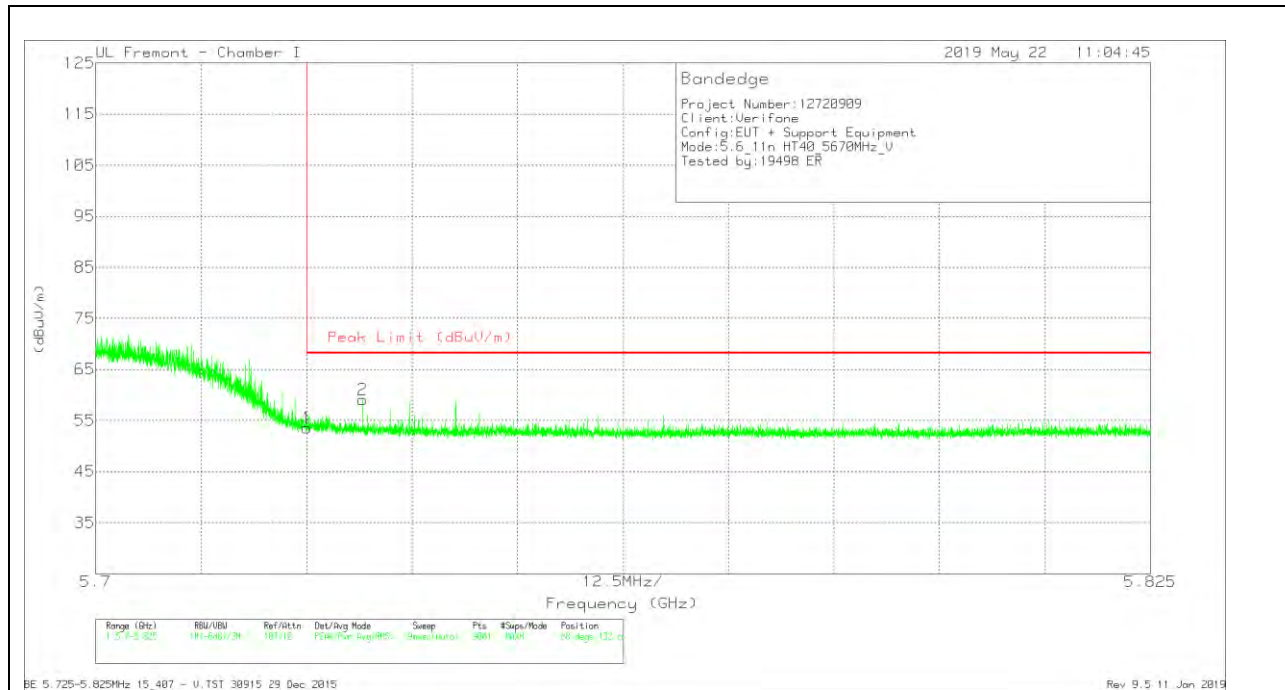


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cb/Filter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	37.09	Pk	35	-18.5	0	53.59	68.2	-14.61	53	102	H
2	5.727	40.46	Pk	35	-18.5	0	56.96	68.2	-11.24	53	102	H

Pk - Peak detector

VERTICAL RESULT



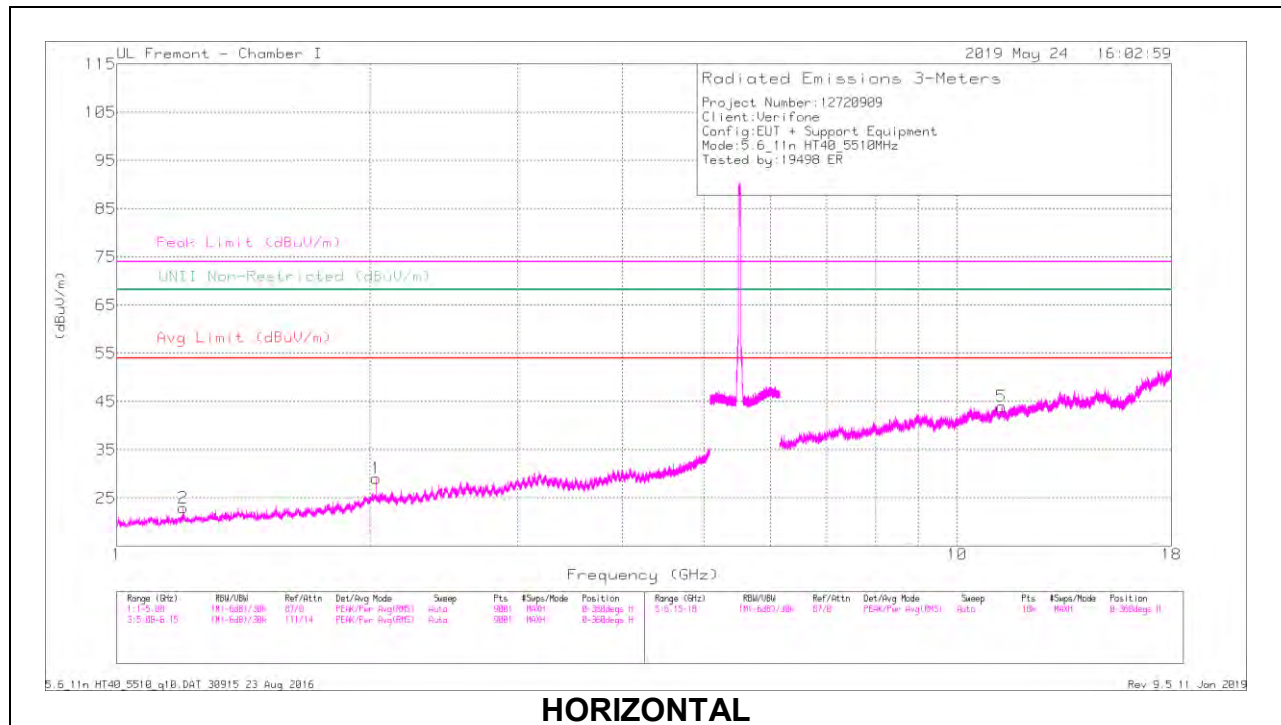
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	37.09	Pk	35	-18.5	0	53.59	68.2	-14.61	68	132	V
2	5.732	42.5	Pk	35	-18.4	0	59.1	68.2	-9.1	68	132	V

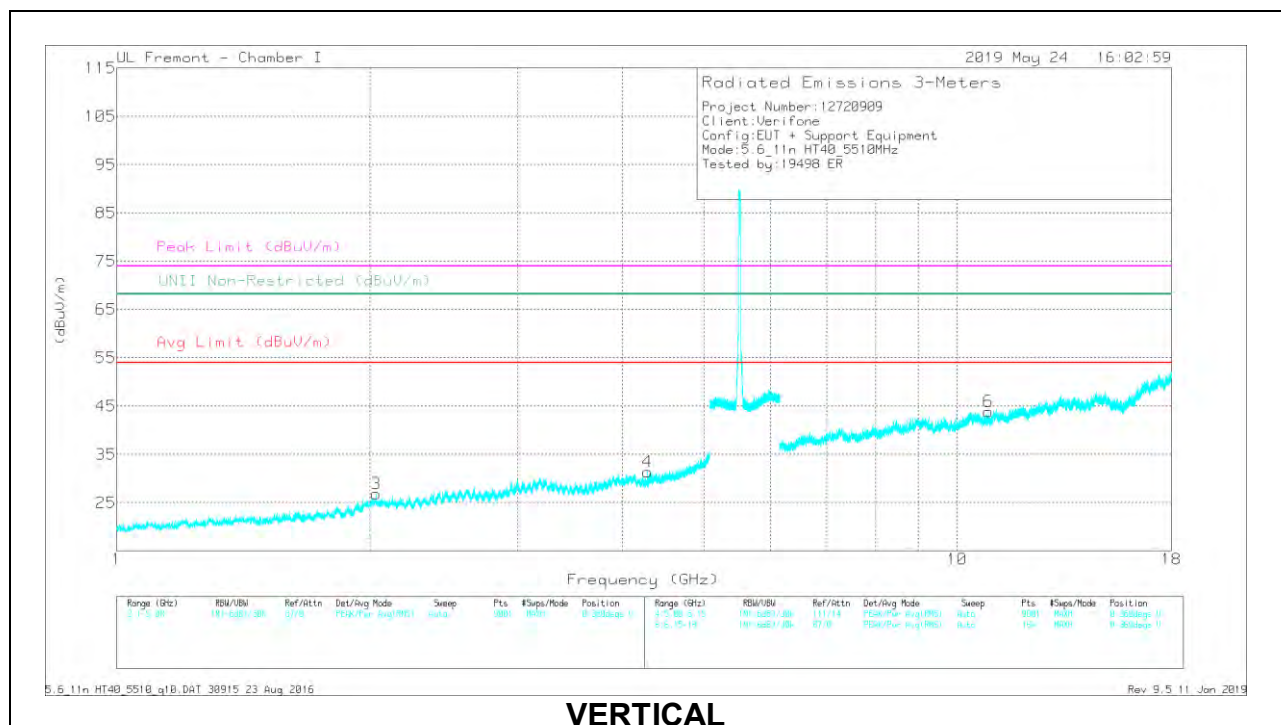
Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



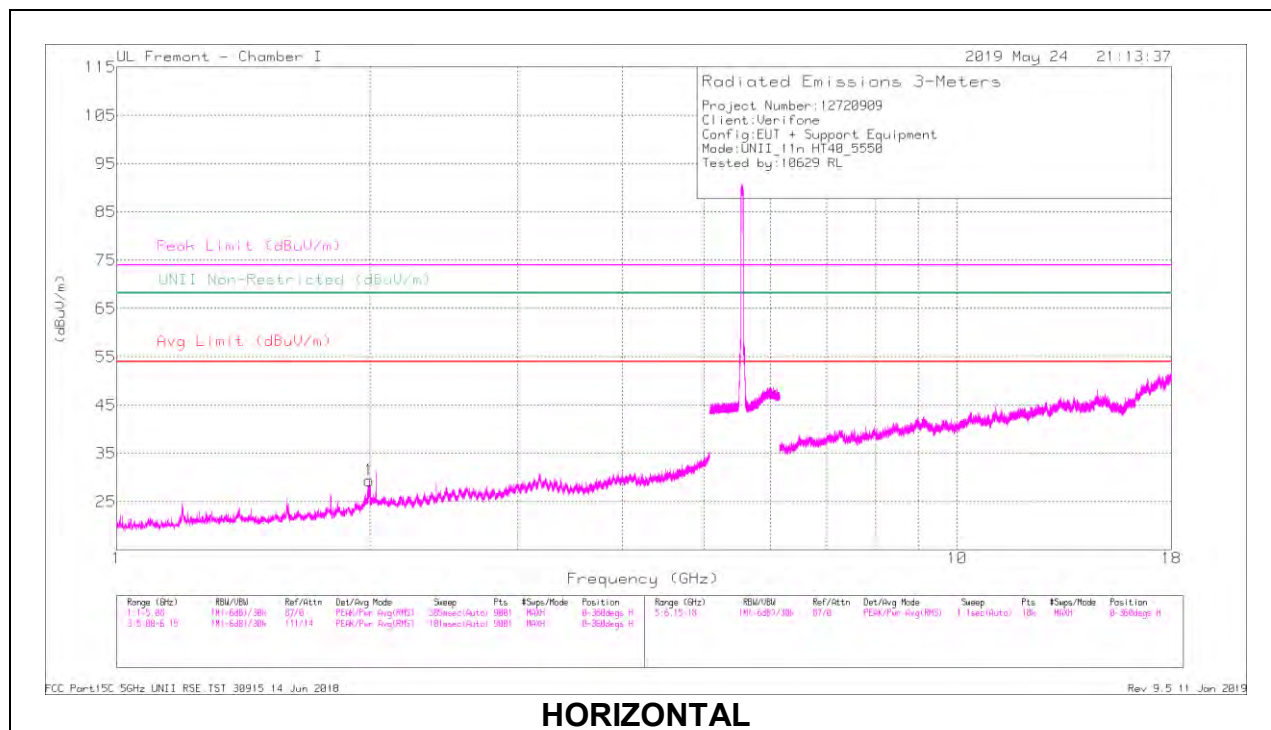
VERTICAL

RADIATED EMISSIONS

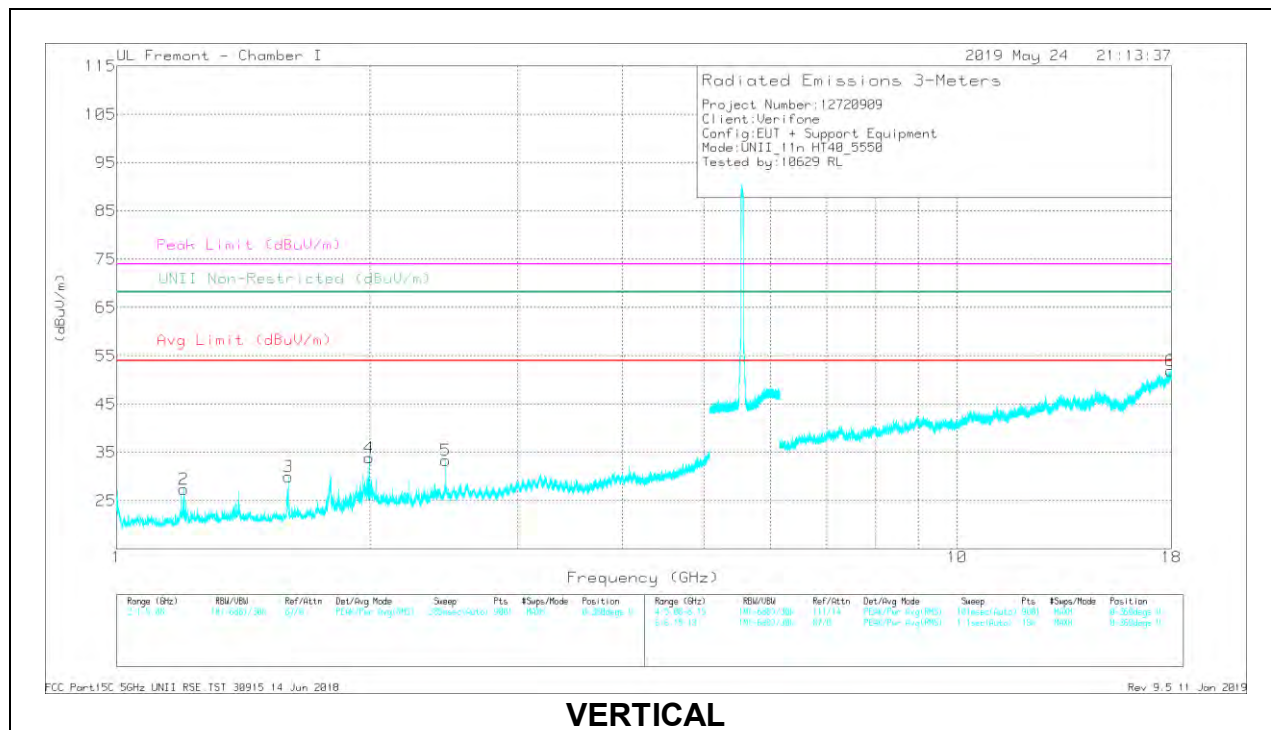
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0190810 (dB/m)	Amp/Cb/Fitr/Pa d (dB)	DC Cor r (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margi n (dB)	Peak Limit (dBuV/m)	PK Margi n (dB)	UNII Non-Restricte d (dBuV/m)	PK Margi n (dB)	Azimet h (Degs)	Heigh t (cm)	Polarit y
1	2.035	38.71	PK-U	28.2	-32.1	0	34.81	-	-	-	-	68.2	-33.39	320	163	H
2	*1.2	41.62	PK-U	24.2	-34	0	31.82	-	-	74	-42.18	-	-	194	199	H
	*1.2	31.24	ADR	24.2	-34	1.19	22.63	54	-31.37	-	-	-	-	194	199	H
3	2.035	37.91	PK-U	28.2	-32.1	0	34.01	-	-	-	-	68.2	-34.19	111	106	V
4	*4.274	37.16	PK-U	31.3	-29	0	39.46	-	-	74	-34.54	-	-	66	115	V
	*4.271	25.53	ADR	31.3	-29.1	1.19	28.92	54	-25.08	-	-	-	-	66	115	V
5	*11.296	29.39	PK-U	38.9	-16.5	0	51.79	-	-	74	-22.21	-	-	101	139	H
	*11.296	18.76	ADR	38.9	-16.5	1.19	42.35	54	-11.65	-	-	-	-	101	139	H
6	*10.897	26.11	PK-U	39	-16	0	49.11	-	-	74	-24.89	-	-	101	198	V
	*10.899	17.7	ADR	39	-16	1.19	41.89	54	-12.11	-	-	-	-	101	198	V

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

MID CHANNEL RESULTS



HORIZONTAL



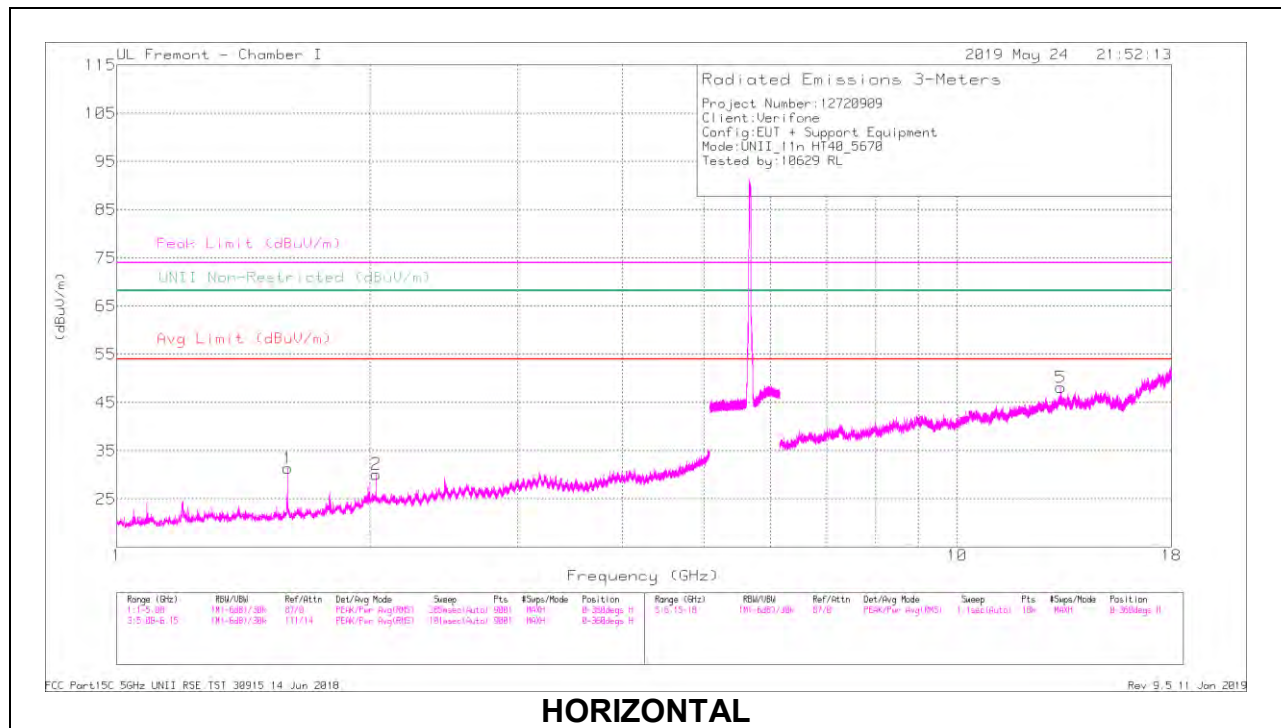
VERTICAL

RADIATED EMISSIONS

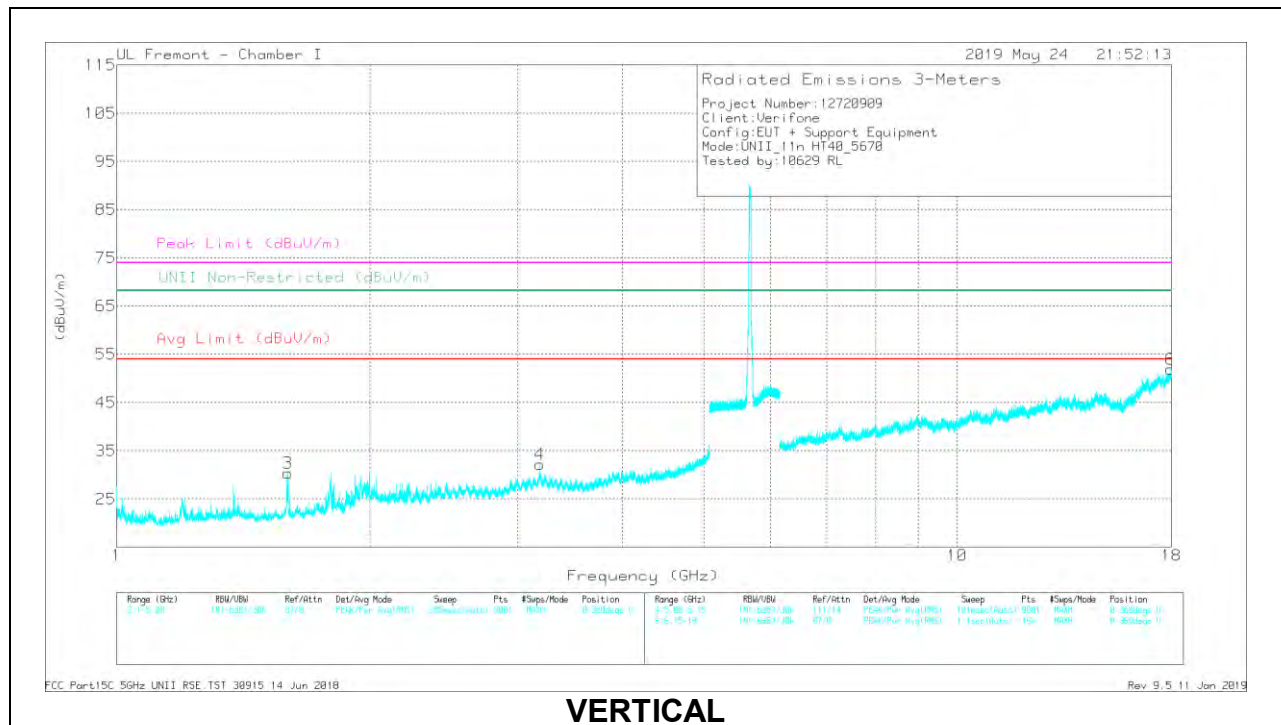
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0190810 (dB/m)	Amp/Cb/Fitr/Pa d (dB)	DC Cor r (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margi n (dB)	Peak Limit (dBuV/m)	PK Margi n (dB)	UNII Non-Restricted (dBuV/m)	PK Margi n (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.994	53.2	PK-U	28	-32.5	0	48.7	-	-	-	-	68.2	-19.5	198	390	H
2	* 1.199	51.95	PK-U	24.2	-34	0	42.15	-	-	74	-31.85	-	-	275	215	V
	* 1.201	30.55	ADR	24.2	-34	1.19	21.94	54	-32.06	-	-	-	-	275	215	V
3	* 1.596	54.04	PK-U	25.2	-33	0	46.24	-	-	74	-27.76	-	-	156	185	V
	* 1.595	31.57	ADR	25.2	-33	1.19	24.96	54	-29.04	-	-	-	-	156	185	V
4	2	46.2	PK-U	28.1	-32.3	0	42	-	-	-	-	68.2	-26.2	136	204	V
5	2.464	40.82	PK-U	29.3	-31.6	0	38.52	-	-	-	-	68.2	-29.68	336	339	V
6	* 17.97	24.93	PK-U	43.2	-10.7	0	57.43	-	-	74	-16.57	-	-	234	267	V
	* 17.971	15.95	ADR	43.2	-10.7	1.19	49.64	54	-4.36	-	-	-	-	234	267	V

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

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0190810 (dB/m)	Amp/Cb/Fitr/Pa d (dB)	DC Cor r (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margi n (dB)	Peak Limit (dBuV/m)	PK Margi n (dB)	UNII Non-Restricted (dBuV/m)	PK Margi n (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.593	50.38	PK-U	25.2	-33	0	42.58	-	-	74	-31.42	-	-	76	359	H
	* 1.595	29.71	ADR	25.2	-33	1.19	23.1	54	-30.9	-	-	-	-	76	359	H
2	2.035	41.86	PK-U	28.2	-32.1	0	37.96	-	-	-	-	68.2	-30.24	38	160	H
3	* 1.593	51.25	PK-U	25.2	-33	0	43.45	-	-	74	-30.55	-	-	89	191	V
	* 1.599	30.37	ADR	25.2	-33.1	1.19	23.66	54	-30.34	-	-	-	-	89	191	V
4	3.194	40.22	PK-U	31.4	-29.7	0	41.92	-	-	-	-	68.2	-26.28	312	352	V
5	* 13.29	29.95	PK-U	41.1	-15.9	0	55.15	-	-	74	-18.85	-	-	161	100	H
	* 13.296	18.75	ADR	41.1	-16	1.19	45.04	54	-8.96	-	-	-	-	161	100	H
6	* 17.971	26.21	PK-U	43.2	-10.7	0	58.71	-	-	74	-15.29	-	-	235	152	V
	* 17.97	16.37	ADR	43.2	-10.7	1.19	50.06	54	-3.94	-	-	-	-	235	152	V

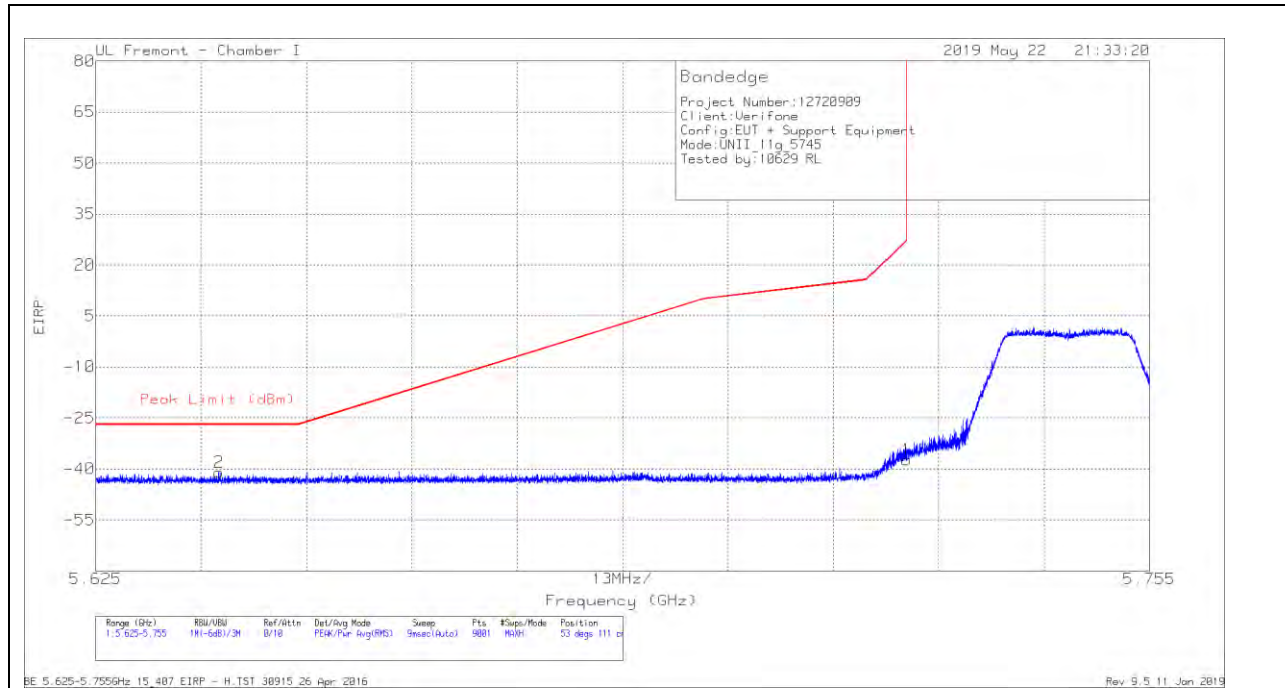
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average

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

1TX Antenna 1 MODE

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

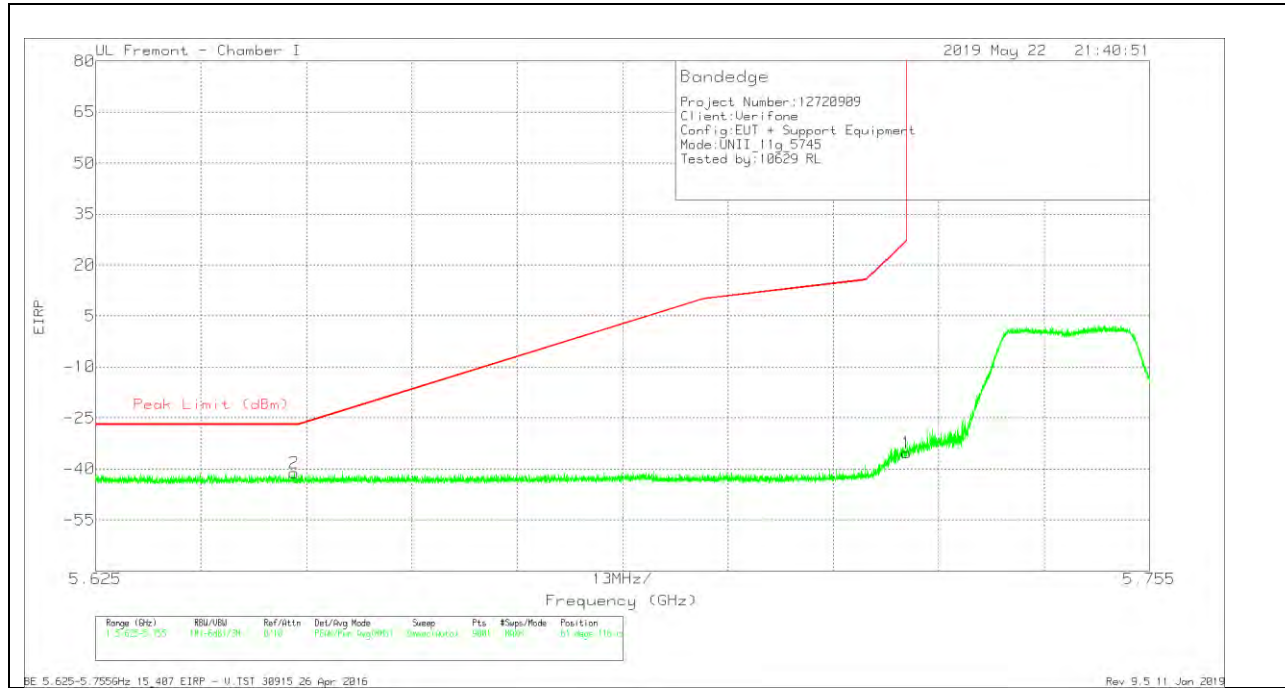


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T862 (dB/m)	Amp/Cb/Filter/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	-65.67	Pk	35	-18.5	11.8	0	-37.37	26.99	-64.36	53	111	H
2	5.64	-69.14	Pk	35	-18.6	11.8	0	-40.94	-27	-13.94	53	111	H

PK - Peak detector

VERTICAL RESULT



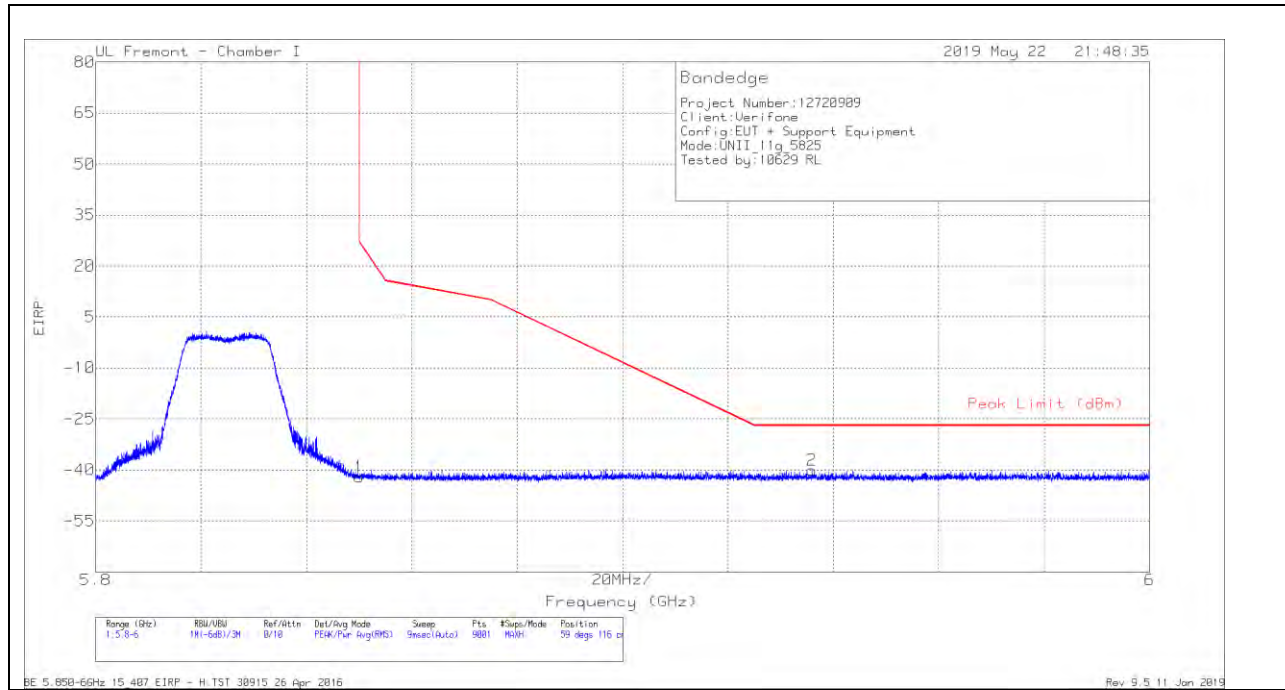
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T862 (dB/m)	Amp/Cbl/Fit r/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	-63.54	Pk	35	-18.5	11.8	0	-35.24	26.99	-62.23	61	116	V
2	5.65	-69.45	Pk	35	-18.6	11.8	0	-41.25	-27	-14.25	61	116	V

Pk - Peak detector

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT

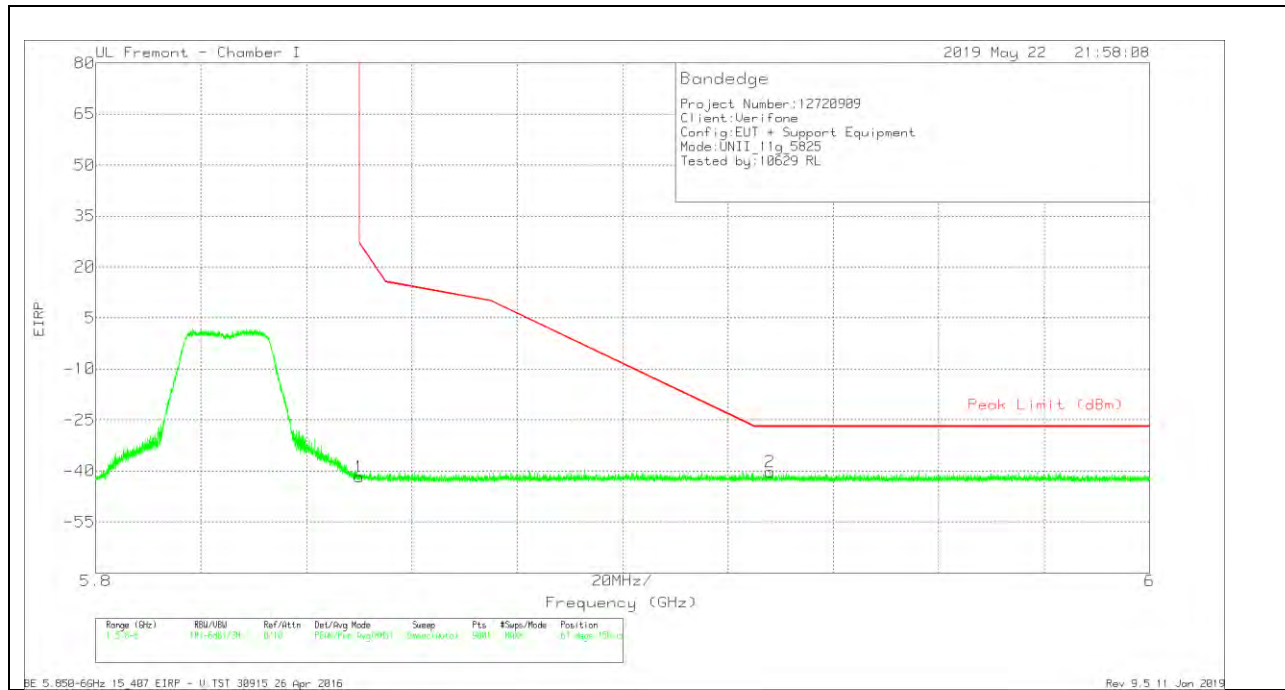


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T862 (dB/m)	Amp/Cbl/Filt r/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	-71.52	Pk	35.1	-17.4	11.8	0	-42.02	26.95	-68.97	59	116	H
2	5.936	-69.52	Pk	35.1	-17.4	11.8	0	-40.02	-27	-13.02	59	116	H

Pk - Peak detector

VERTICAL RESULT



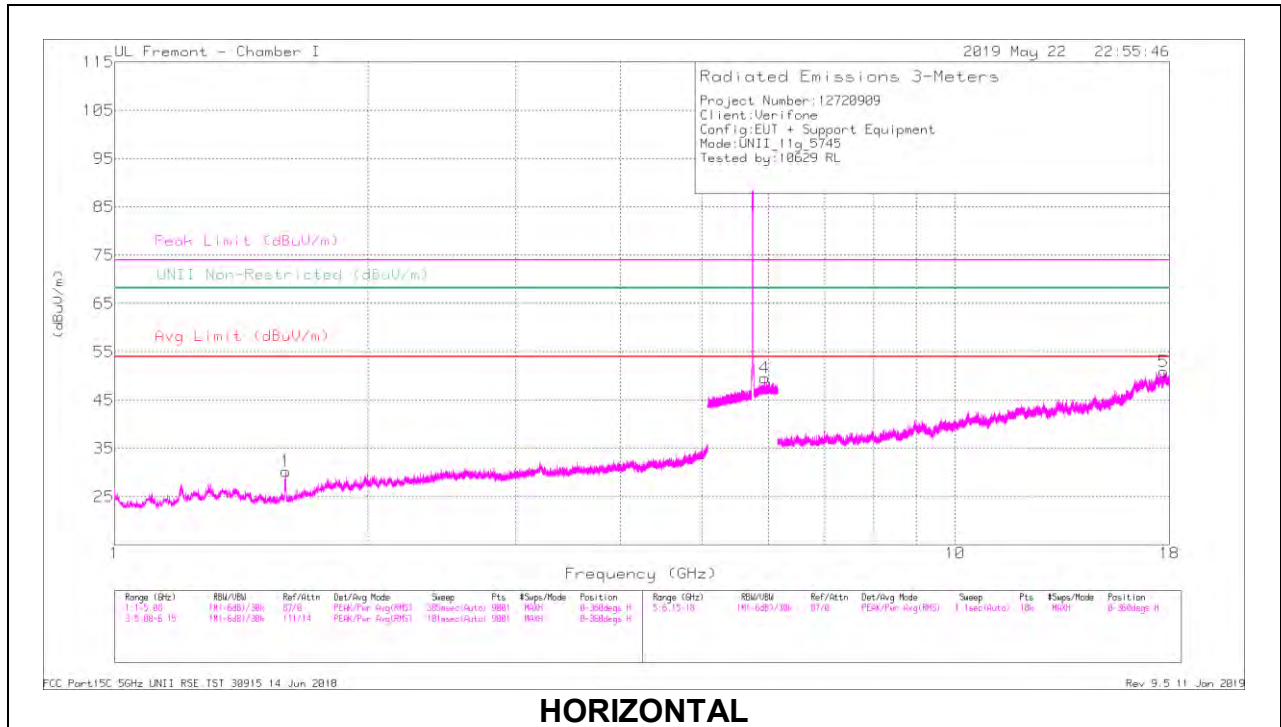
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T862 (dB/m)	Amp/Cbl/Fit r/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	-71.21	Pk	35.1	-17.4	11.8	0	-41.71	26.95	-68.66	67	150	V
2	5.928	-69.91	Pk	35.2	-17.4	11.8	0	-40.31	-27	-13.31	67	150	V

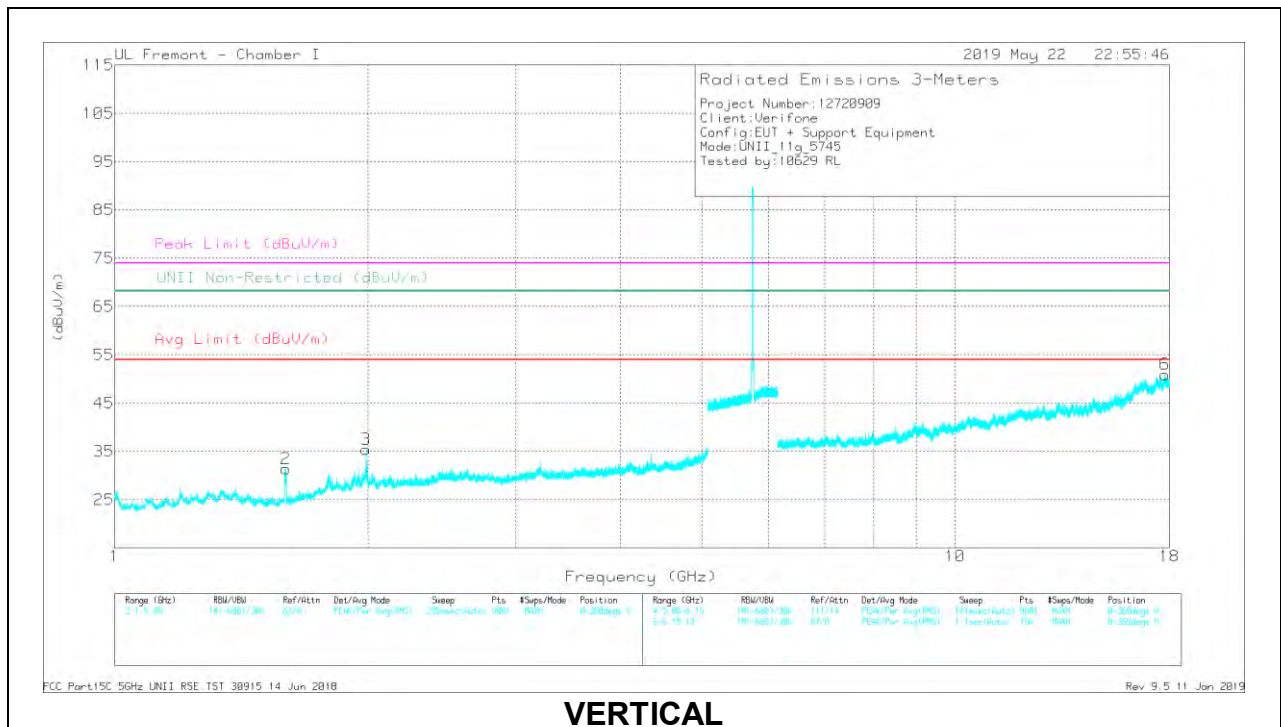
Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



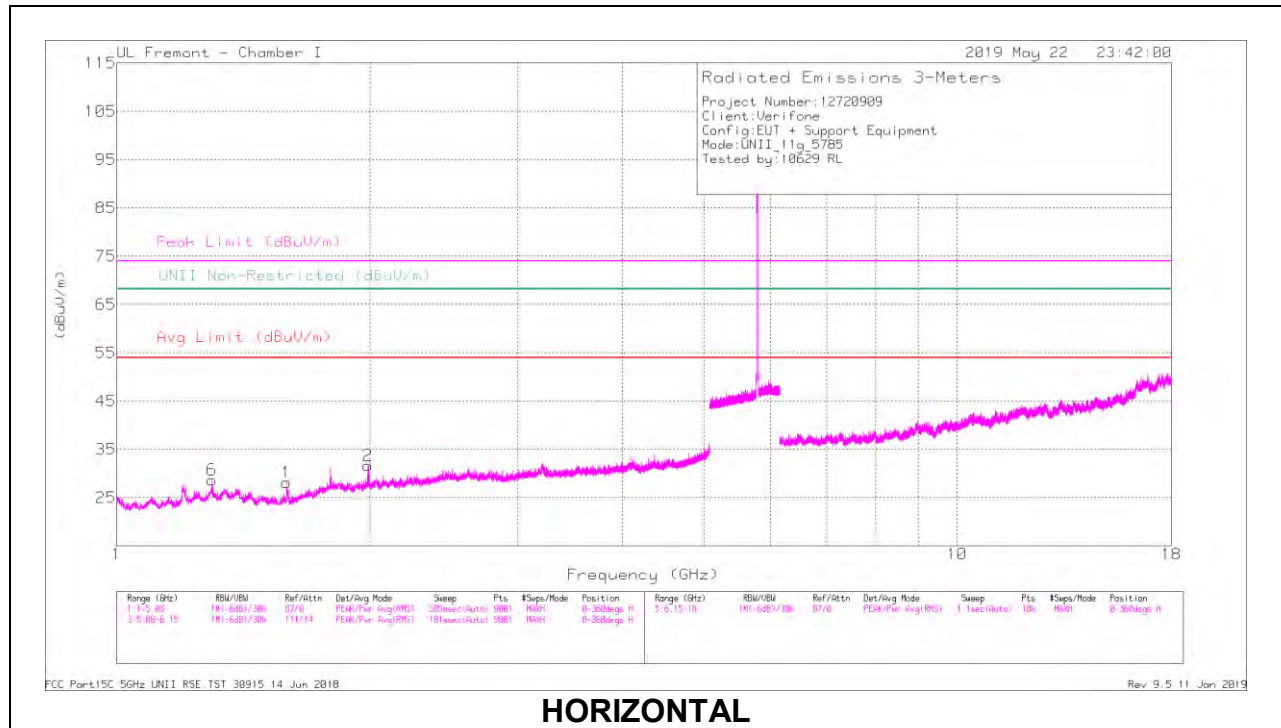
VERTICAL

RADIATED EMISSIONS

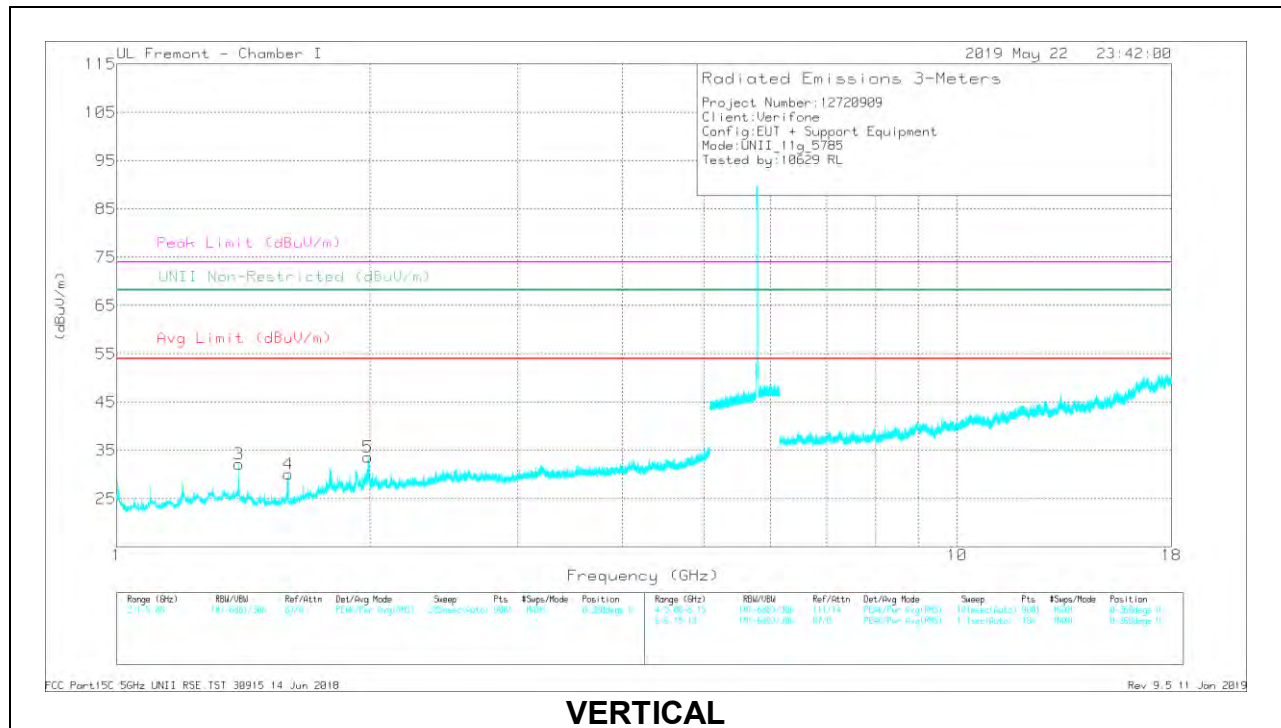
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.596	48.52	PK-U	28	-33	0	43.52	-	-	74	-30.48	-	-	74	364	H
	* 1.596	29.07	ADR	28	-33	6	24.67	54	-29.33	-	-	-	-	74	364	H
	* 1.599	50.16	PK-U	28	-33	0	45.16	-	-	74	-28.84	-	-	170	195	V
2	* 1.598	28.89	ADR	28	-33.1	6	24.39	54	-29.61	-	-	-	-	170	195	V
	* 1.992	56.29	PK-U	30.9	-32.4	0	54.79	-	-	-	-	68.2	-13.41	333	271	V
	5.939	36.85	PK-U	35.2	-17.4	0	54.65	-	-	-	-	68.2	-13.55	143	367	H
4	* 17.735	26.96	PK-U	41.6	-9.9	0	58.66	-	-	74	-15.34	-	-	272	264	H
	* 17.731	16.71	ADR	41.6	-9.9	6	49.01	54	-4.99	-	-	-	-	272	264	H
	* 17.788	25.79	PK-U	41.6	-10.1	0	57.29	-	-	74	-16.71	-	-	220	104	V
6	* 17.786	16.78	ADR	41.7	-10.1	6	48.98	54	-5.02	-	-	-	-	220	104	V

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

MID CHANNEL RESULTS



HORIZONTAL



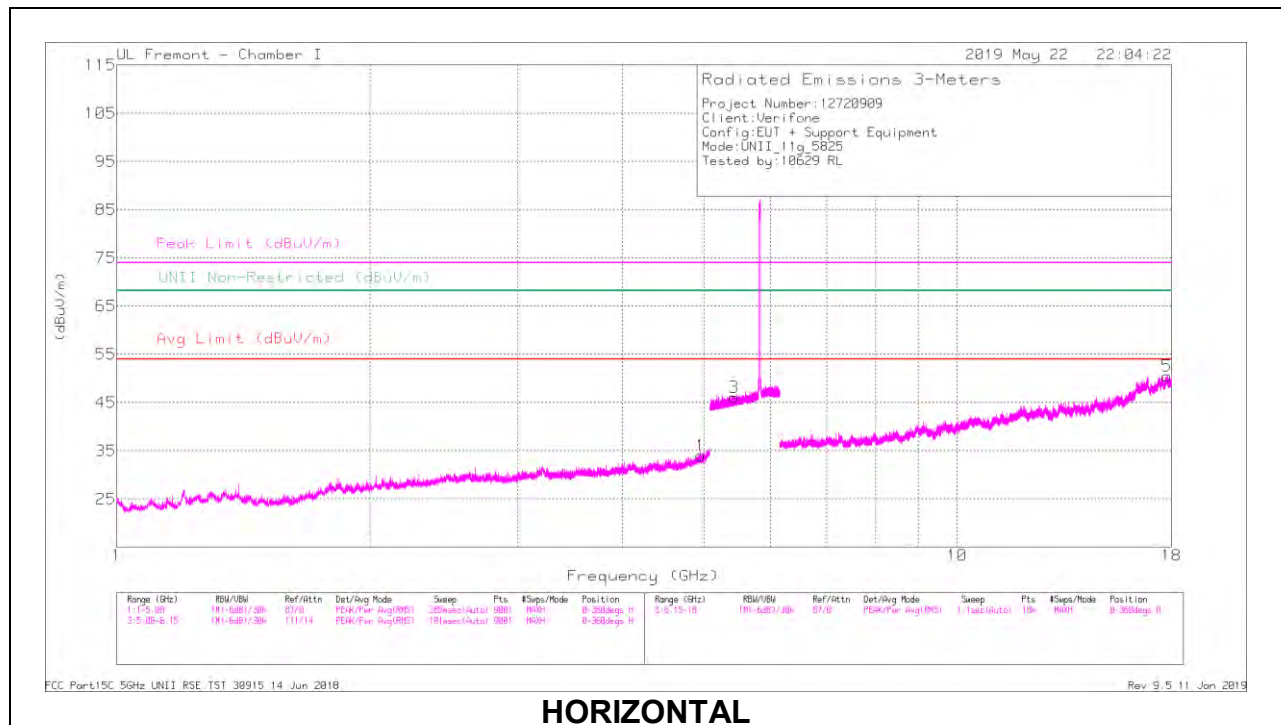
VERTICAL

RADIATED EMISSIONS

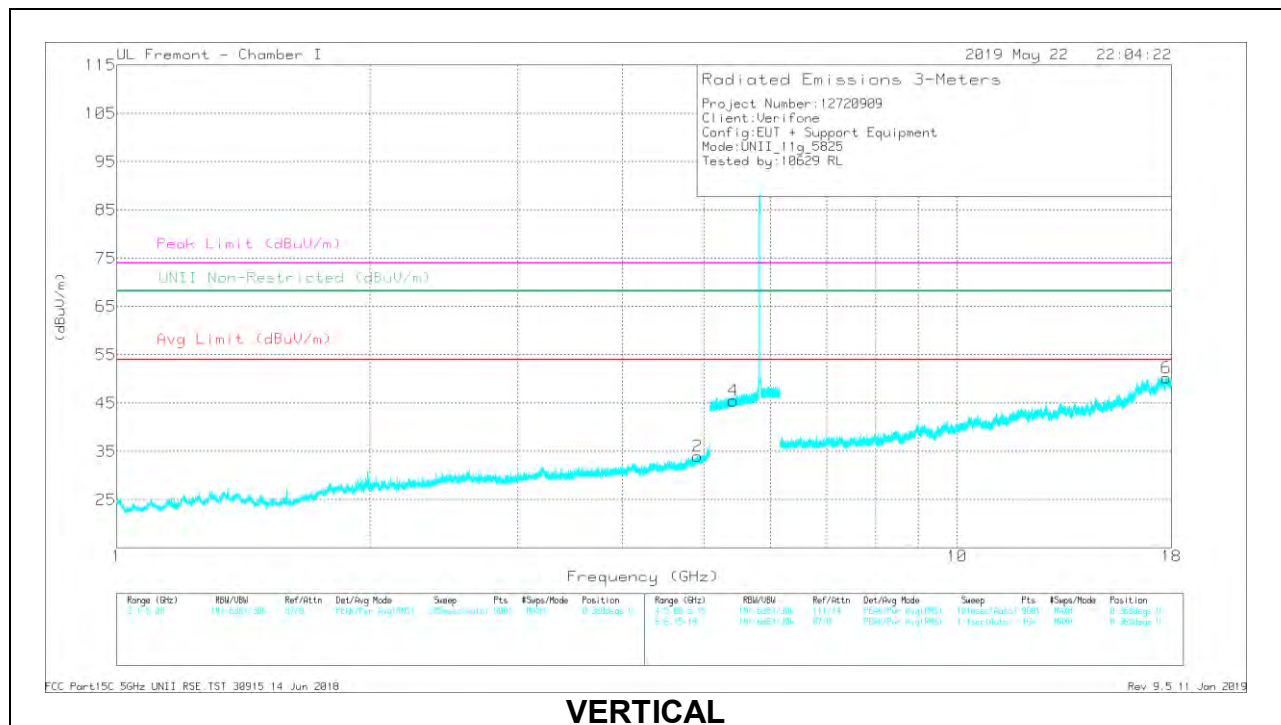
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cb/Filtr/Paid (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.599	46.63	PK-U	28	-33	0	41.63	-	-	74	-32.37	-	-	84	359	H
	* 1.583	28.81	ADR	28	-33	.6	24.41	54	-29.59	-	-	-	-	84	359	H
2	1.997	47.7	PK-U	30.8	-32.4	0	46.1	-	-	-	-	68.2	-22.1	90	276	H
	* 1.299	38.81	PK-U	29.2	-33.8	0	34.21	-	-	74	-39.79	-	-	285	193	H
3	* 1.299	28.04	ADR	29.2	-33.7	.6	24.14	54	-29.86	-	-	-	-	285	193	H
	* 1.391	41.4	PK-U	29.1	-33.5	0	37	-	-	74	-37	-	-	96	117	V
4	* 1.391	29.09	ADR	29.1	-33.5	.6	25.29	54	-28.71	-	-	-	-	96	117	V
	* 1.595	40.05	PK-U	28	-33	0	35.05	-	-	74	-38.95	-	-	199	345	V
5	* 1.59	28.27	ADR	28.1	-33	.6	23.97	54	-30.03	-	-	-	-	199	345	V
	1.98	39.45	PK-U	30.8	-32.4	0	37.85	-	-	-	-	68.2	-30.35	208	216	V

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

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.955	33.34	PK-U	34.2	-27	0	40.54	-	-	74	-33.46	-	-	48	276	H
	* 4.955	24.48	ADR	34.2	-27	.6	32.28	54	-21.72	-	-	-	-	48	276	H
2	* 4.918	34.17	PK-U	34.1	-26.9	0	41.37	-	-	74	-32.63	-	-	254	317	V
	* 4.916	24.07	ADR	34.1	-26.9	.6	31.87	54	-22.13	-	-	-	-	254	317	V
3	* 5.427	34.92	PK-U	34.5	-18.1	0	51.32	-	-	74	-22.68	-	-	212	348	H
	* 5.427	26.32	ADR	34.5	-18.1	.6	43.32	54	-10.68	-	-	-	-	212	348	H
4	* 5.419	35.16	PK-U	34.5	-18	0	51.66	-	-	74	-22.34	-	-	262	367	V
	* 5.419	26.61	ADR	34.5	-18	.6	43.71	54	-10.29	-	-	-	-	262	367	V
5	* 17.79	25.35	PK-U	41.6	-10.1	0	56.85	-	-	74	-17.15	-	-	129	397	H
	* 17.789	15.99	ADR	41.7	-10.1	.6	48.19	54	-5.81	-	-	-	-	129	397	H
6	* 17.761	26.24	PK-U	41.8	-10.1	0	57.94	-	-	74	-16.06	-	-	41	100	V
	* 17.763	16.61	ADR	41.7	-10.1	.6	48.81	54	-5.19	-	-	-	-	41	100	V

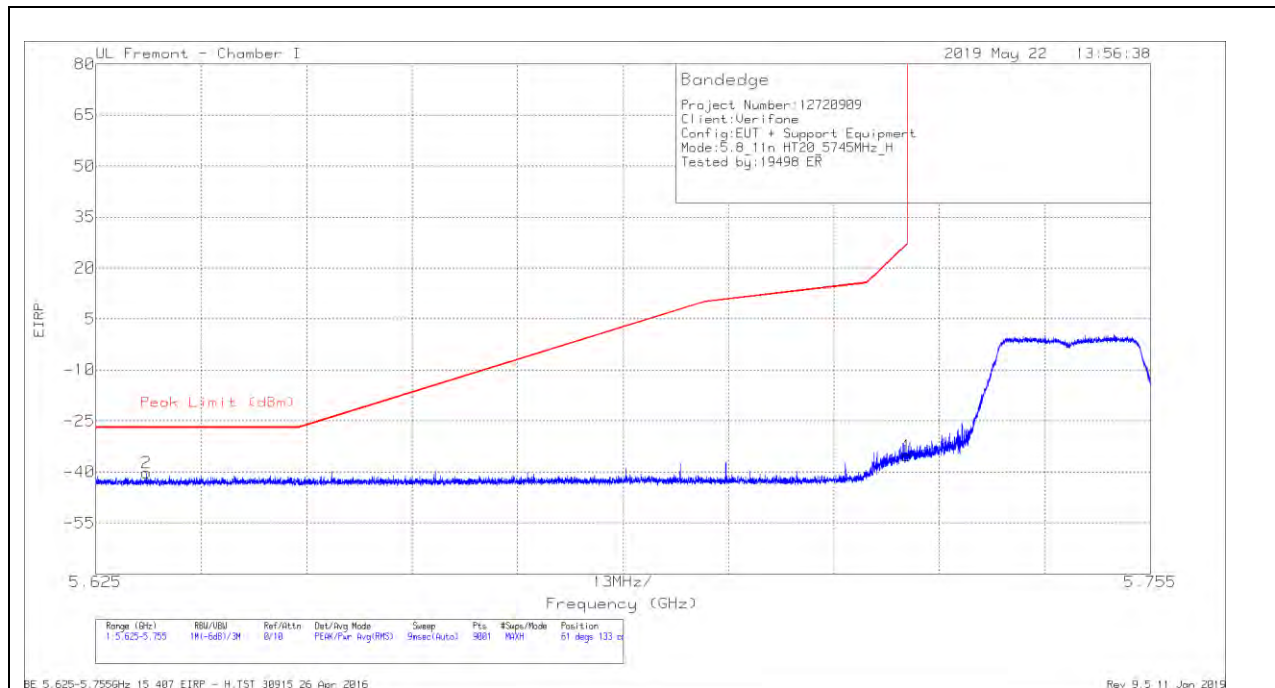
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average

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

1TX Antenna 1 MODE

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

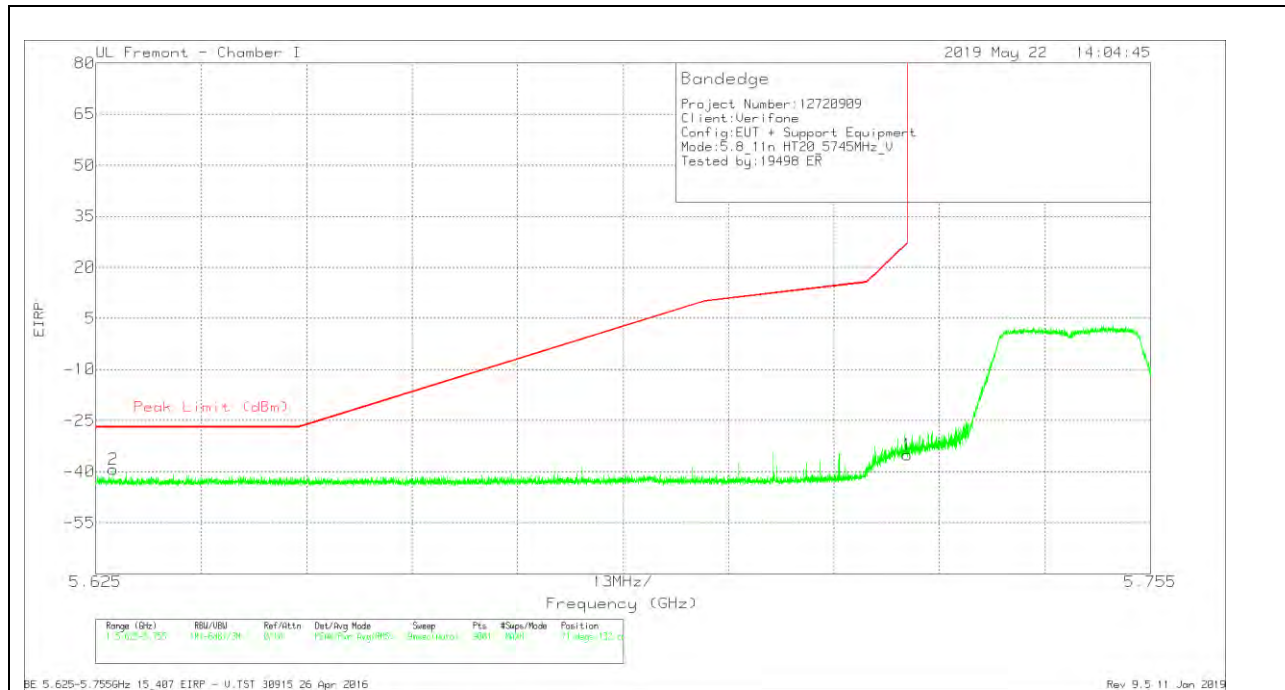


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T862 (dB/m)	Amp/Cb/Fit r/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-63.62	Pk	35	-18.5	11.8	-35.32	26.99	-62.31	61	133	H
2	5.631	-68.41	Pk	35	-18.6	11.8	-40.21	-27	-13.21	61	133	H

Pk - Peak detector

VERTICAL RESULT



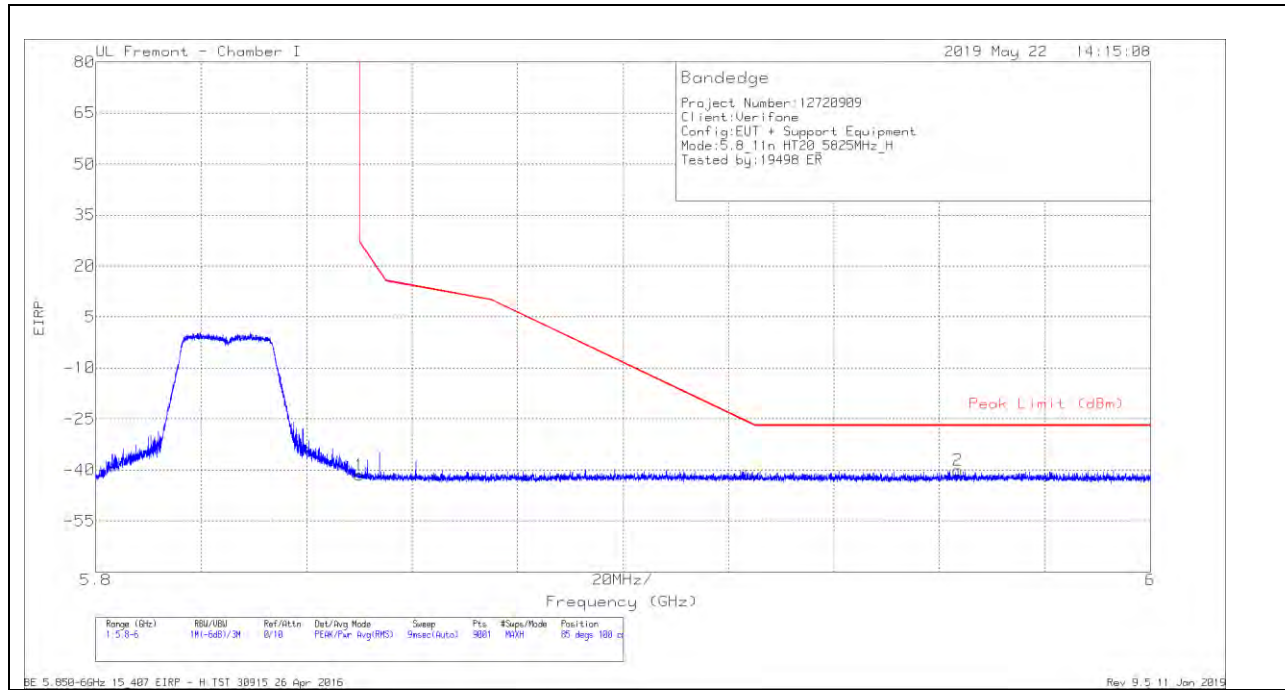
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T862 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-63.45	Pk	35	-18.5	11.8	-35.15	26.99	-62.14	71	132	V
2	5.627	-67.67	Pk	35.1	-18.6	11.8	-39.37	-27	-12.37	71	132	V

Pk - Peak detector

BANEDGE (HIGH CHANNEL)

HORIZONTAL RESULT

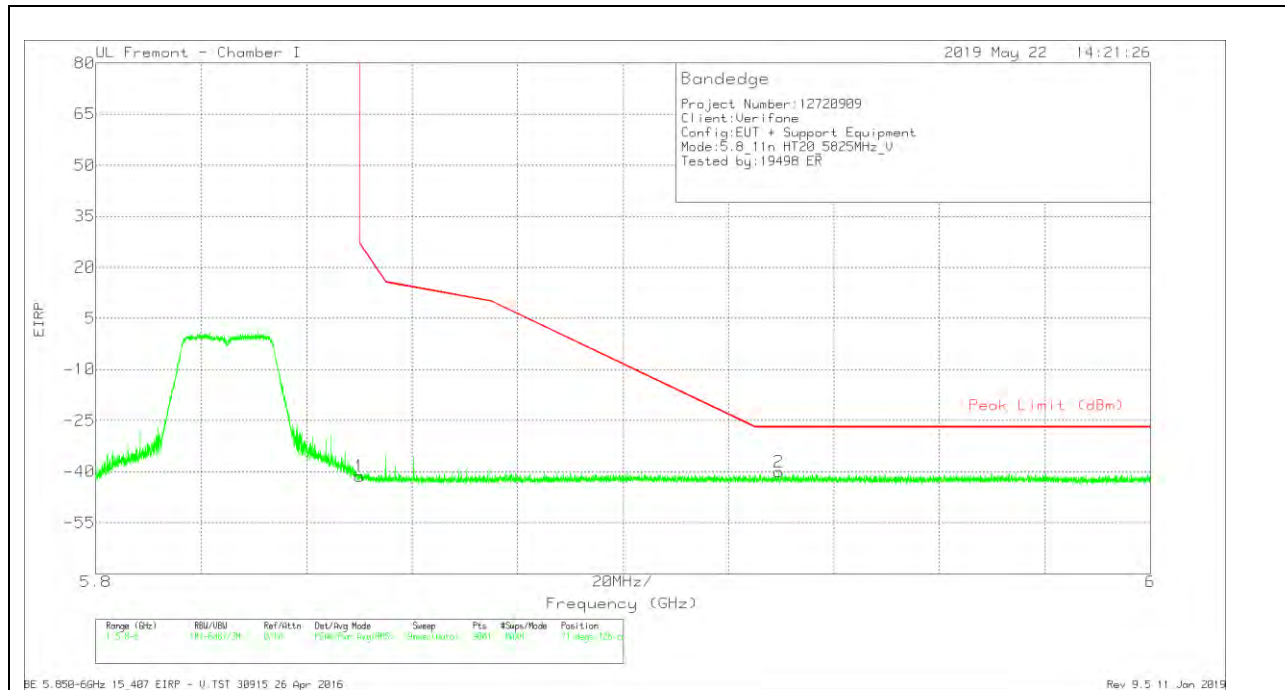


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T862 (dB/m)	Amp/Cb/Fit r/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-71.09	Pk	35.1	-17.4	11.8	-41.59	26.95	-68.54	85	100	H
2	5.964	-69.81	Pk	35.3	-17.4	11.8	-40.11	-27	-13.11	85	100	H

Pk - Peak detector

VERTICAL RESULT



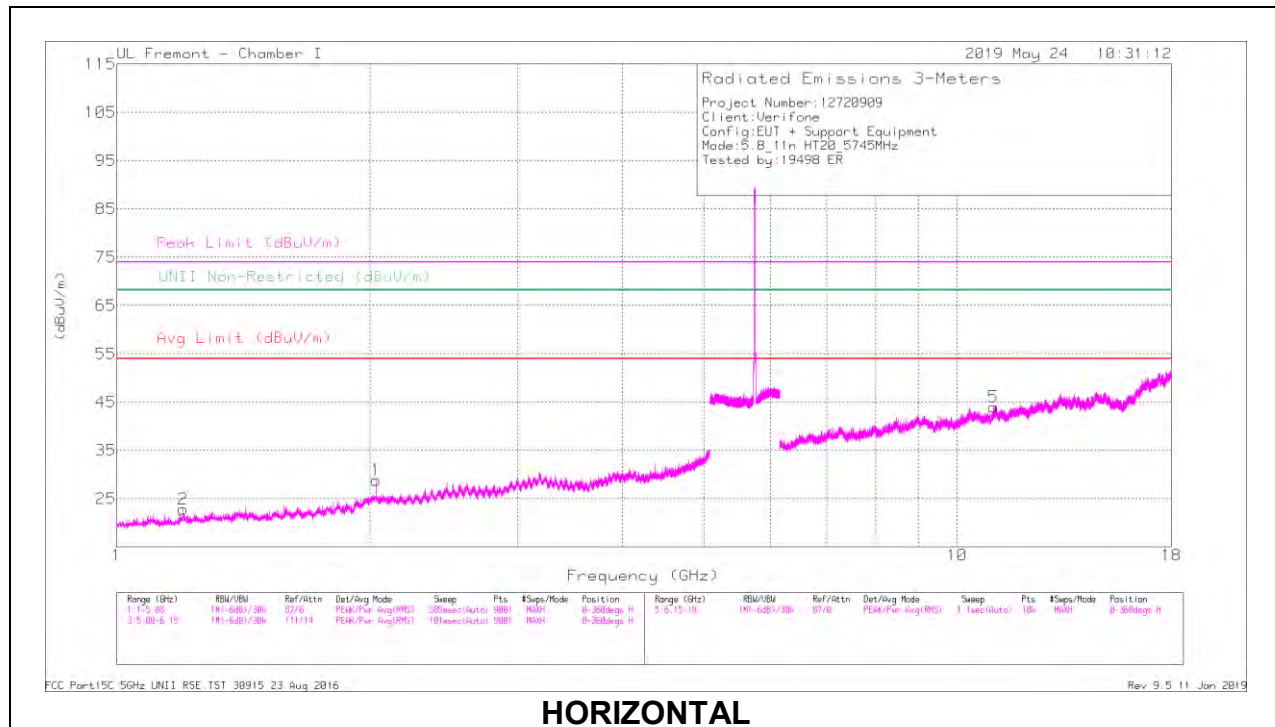
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T862 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-70.91	Pk	35.1	-17.4	11.8	-41.41	26.95	-68.36	71	126	V
2	5.93	-69.6	Pk	35.2	-17.4	11.8	-40	-27	-13	71	126	V

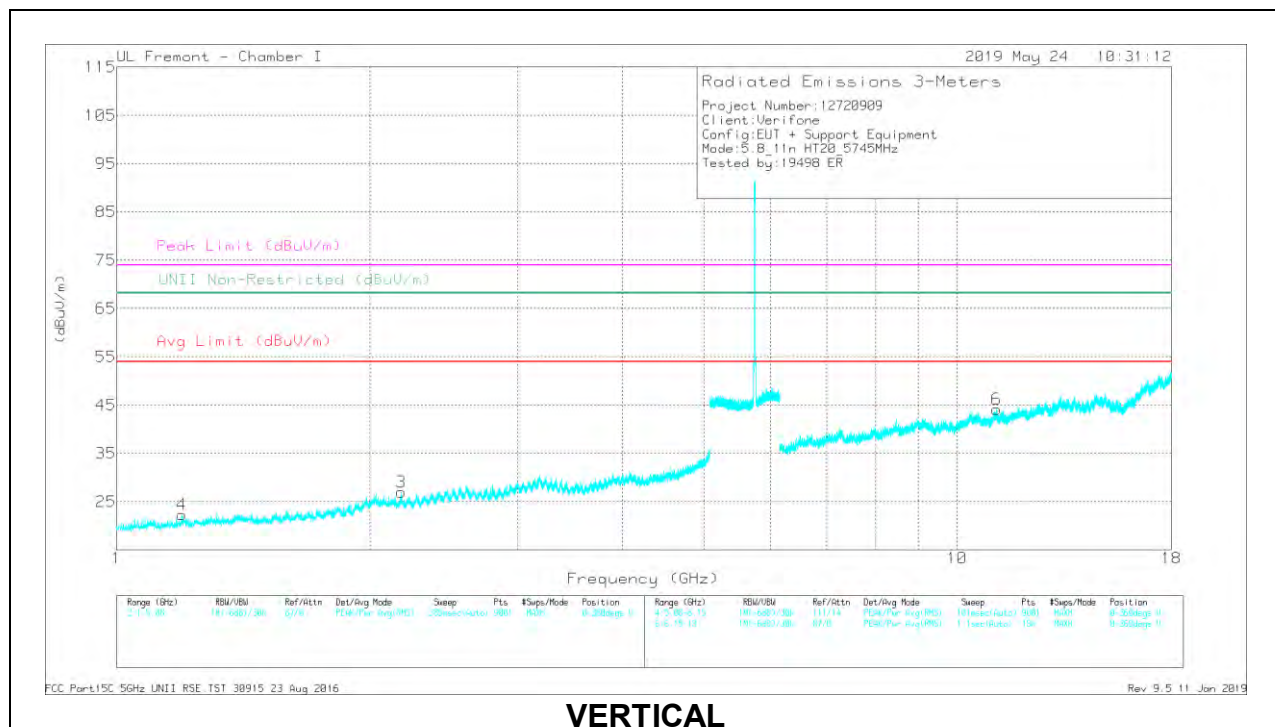
Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



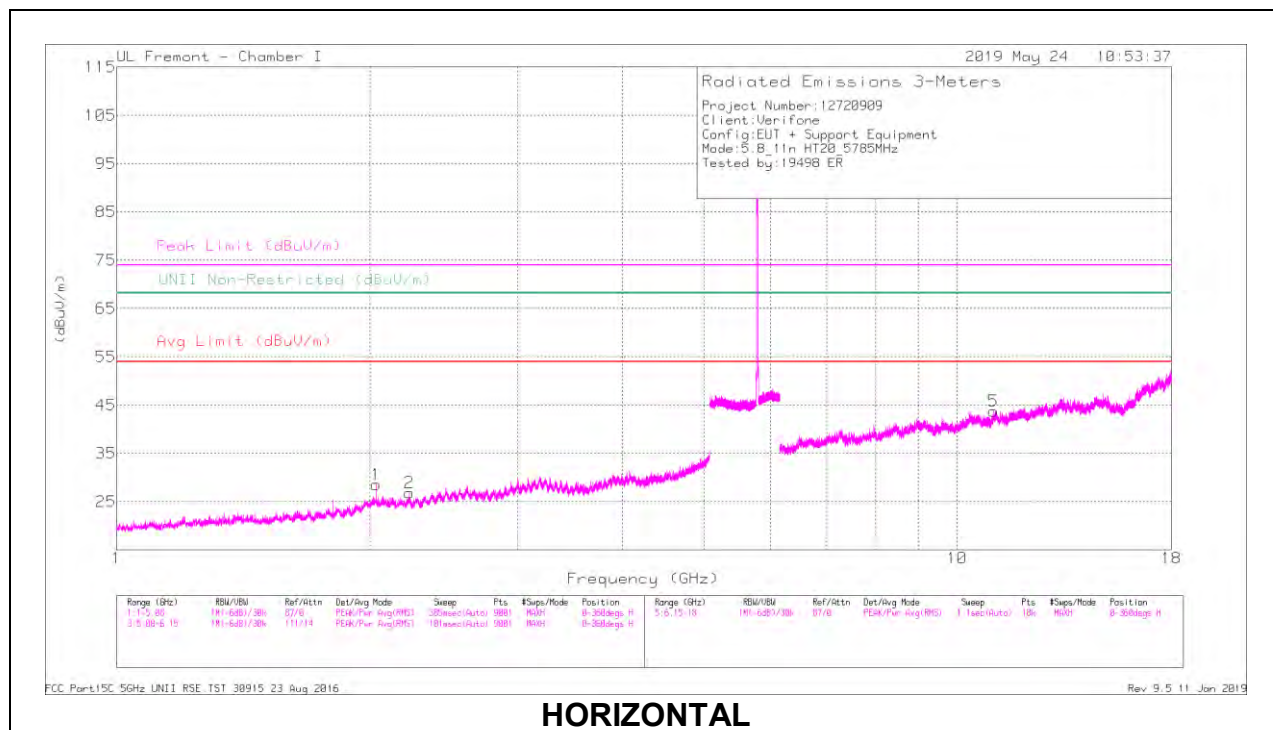
VERTICAL

RADIATED EMISSIONS

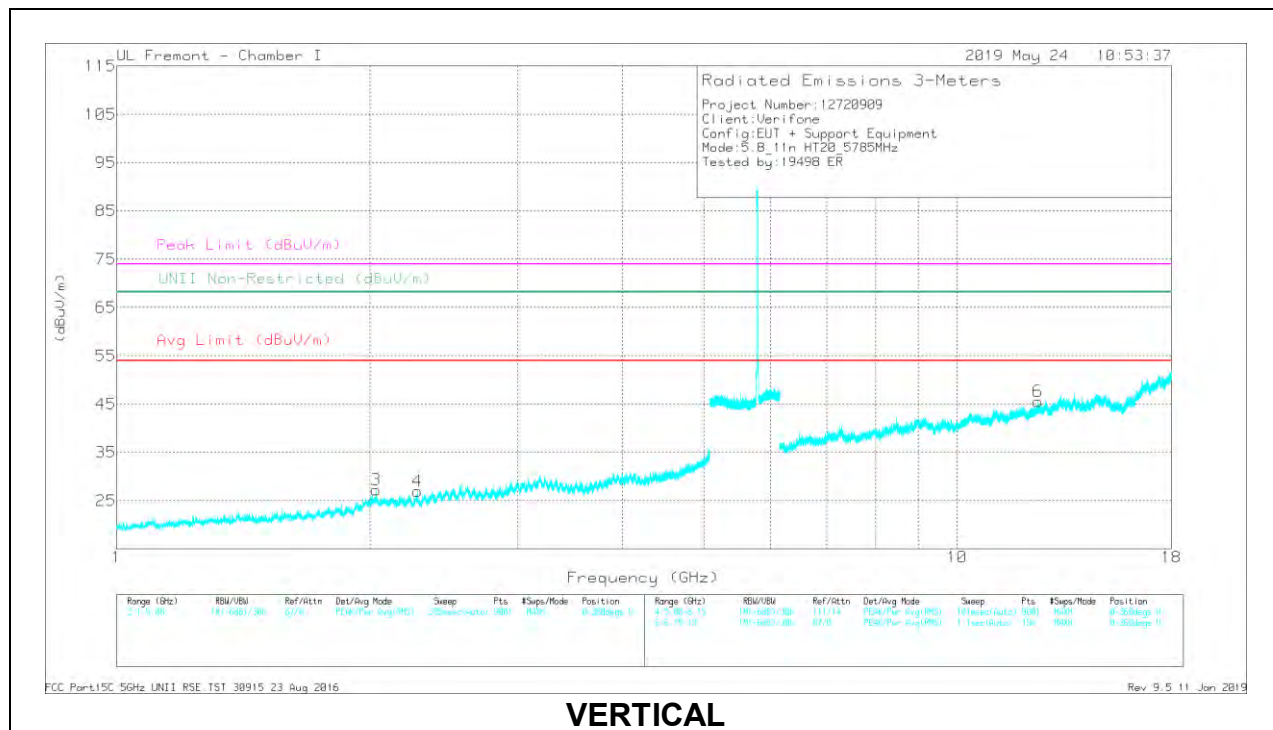
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0190810 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)
1	2.035	40.01	PK-U	28.2	-32.1	0	36.11	-	-	-	-	68.2	-32.09	307	155
2	* 1.2	40.19	PK-U	24.2	-34	0	30.39	-	-	74	-43.61	-	-	176	193
	* 1.2	30.21	ADR	24.2	-34	0.64	21.05	54	-32.95	-	-	-	-	176	193
3	2.179	36.7	PK-U	28	-32.2	0	32.5	-	-	-	-	68.2	-35.7	213	106
4	* 1.196	37.92	PK-U	24.2	-34	0	28.12	-	-	74	-45.88	-	-	297	243
	* 1.196	28.02	ADR	24.2	-34	0.64	18.86	54	-35.14	-	-	-	-	297	243
5	* 11.056	28.65	PK-U	39.2	-16.7	0	51.15	-	-	74	-22.85	-	-	223	265
	* 11.058	18.28	ADR	39.2	-16.8	0.64	41.32	54	-12.68	-	-	-	-	223	265
6	* 11.149	27.13	PK-U	39	-16.4	0	49.73	-	-	74	-24.27	-	-	321	222
	* 11.148	18.21	ADR	39	-16.4	0.64	41.45	54	-12.55	-	-	-	-	321	222

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

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

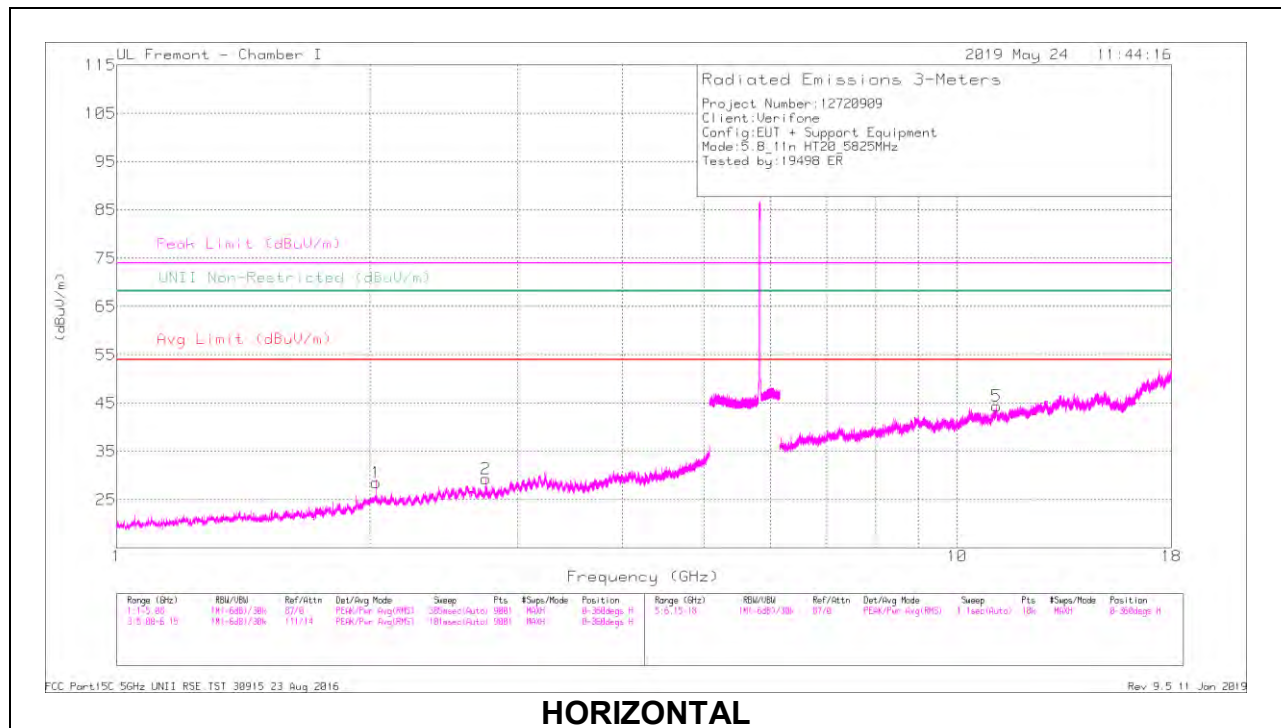
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0190810 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)
1	2.035	39.76	PK-U	28.2	-32.1	0	34.88	-	-	-	-	68.2	-33.32	305	155
2	* 2.23	36.34	PK-U	28	-31.8	0	32.54	-	-	74	-41.46	-	-	274	216
	* 2.232	27.02	ADR	28	-31.9	0.64	23.76	54	-30.24	-	-	-	-	274	216
3	2.035	38.08	PK-U	28.2	-32.1	0	34.18	-	-	-	-	68.2	-34.02	218	344
4	* 2.279	37.53	PK-U	28.1	-31.8	0	33.83	-	-	74	-40.17	-	-	161	168
	* 2.279	27.88	ADR	28.1	-31.8	0.64	24.82	54	-29.18	-	-	-	-	161	168
5	* 11.048	26.54	PK-U	39.2	-16.5	0	49.24	-	-	74	-24.76	-	-	50	209
	* 11.049	18.82	ADR	39.2	-16.5	0.64	42.16	54	-11.84	-	-	-	-	50	209
6	* 12.483	28.7	PK-U	40	-16.6	0	52.1	-	-	74	-21.9	-	-	211	211
	* 12.487	19.35	ADR	40	-16.4	0.64	43.59	54	-10.41	-	-	-	-	211	211

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

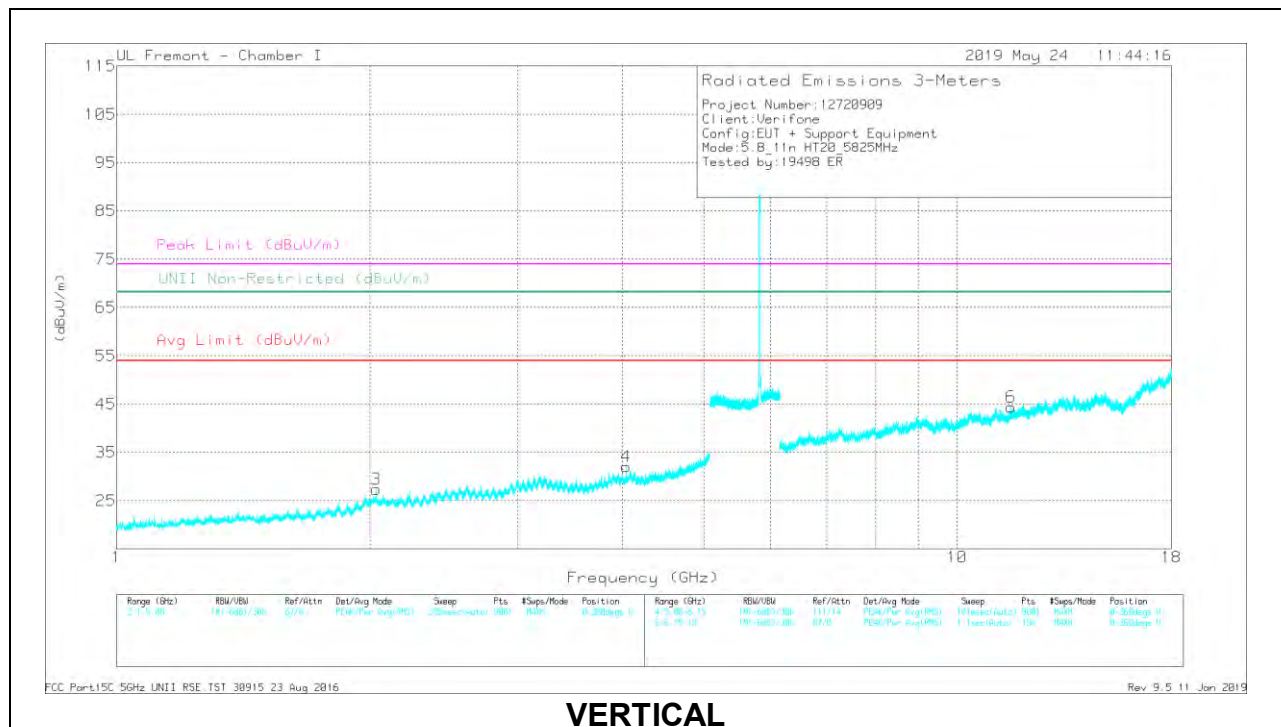
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0190810 (dB/m)	Amp/Cb/Fitr/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)
1	2.035	39.14	PK-U	28.2	-32.1	0	35.24	-	-	-	-	68.2	-32.96	312	161
2	* 2.75	34.02	PK-U	29.3	-30.9	0	32.42	-	-	74	-41.58	-	-	86	102
	* 2.753	26.93	ADR	29.3	-30.9	0.64	25.97	54	-28.03	-	-	-	-	86	102
3	2.035	37.23	PK-U	28.2	-32.1	0	33.33	-	-	-	-	68.2	-34.87	3	126
4	* 4.041	35.69	PK-U	31.7	-29.7	0	37.69	-	-	74	-36.31	-	-	219	174
	* 4.043	26.17	ADR	31.7	-29.7	0.64	28.81	54	-25.19	-	-	-	-	219	174
5	* 11.152	27.39	PK-U	39	-16.4	0	49.99	-	-	74	-24.01	-	-	298	265
	* 11.149	18.33	ADR	39	-16.4	0.64	41.57	54	-12.43	-	-	-	-	298	265
6	* 11.603	27.61	PK-U	39.1	-16.8	0	49.91	-	-	74	-24.09	-	-	160	196
	* 11.601	18.73	ADR	39.1	-16.8	0.64	41.67	54	-12.33	-	-	-	-	160	196

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

PK-U - U-NII: Maximum Peak

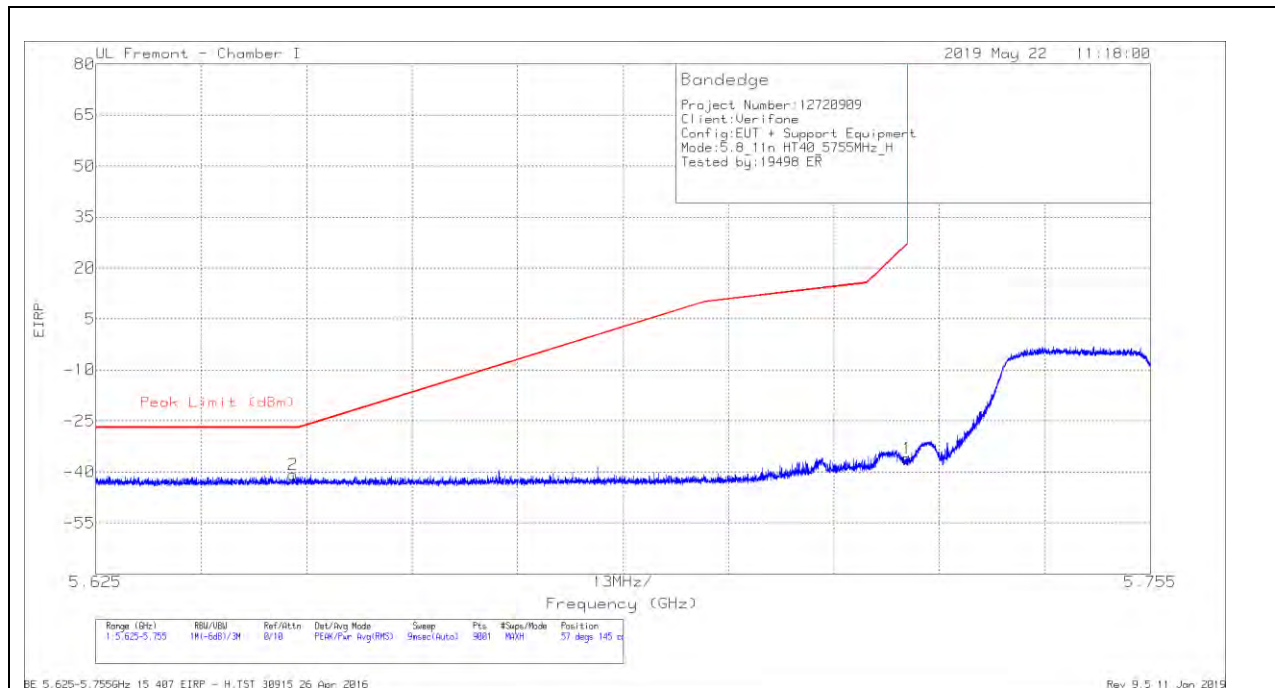
ADR - U-NII AD primary method, RMS average

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

1TX Antenna 1 MODE

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

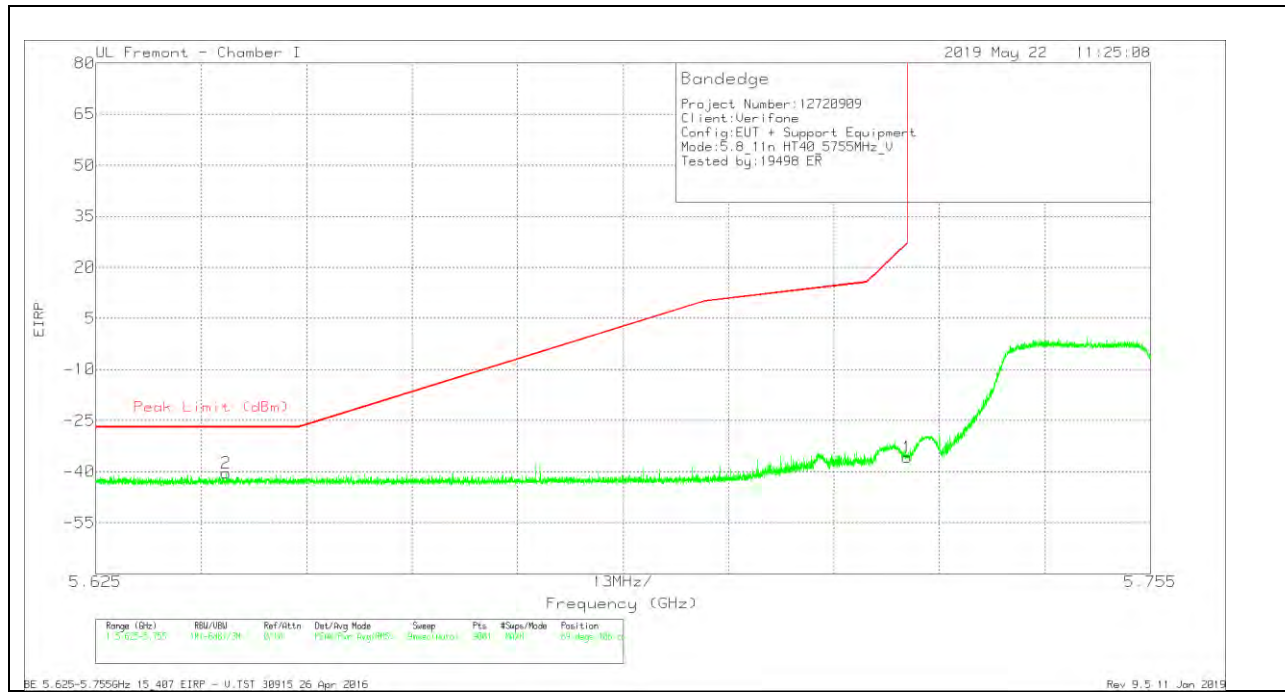


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T862 (dB/m)	Amp/Cb/Filter/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-64.37	Pk	35	-18.5	11.8	-36.07	26.99	-63.06	57	145	H
2	5.649	-69.04	Pk	35	-18.6	11.8	-40.84	-27	-13.84	57	145	H

Pk - Peak detector

VERTICAL RESULT



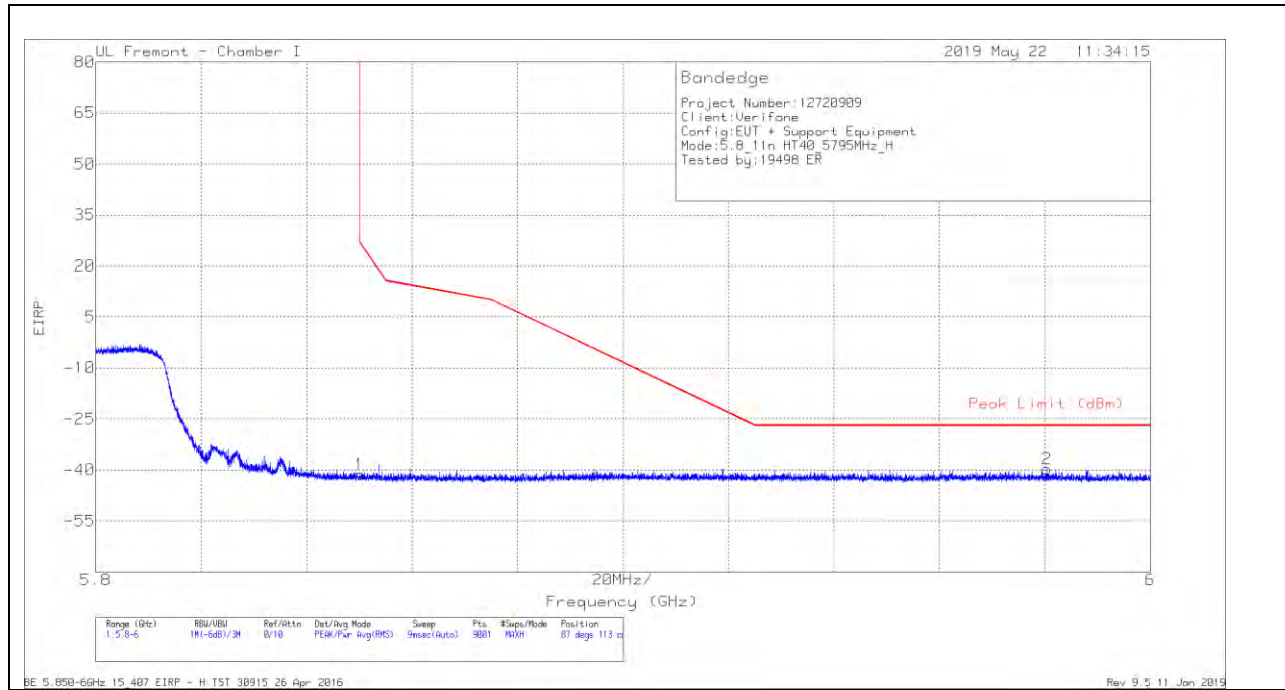
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T862 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-64.11	Pk	35	-18.5	11.8	-35.81	26.99	-62.8	69	106	V
2	5.641	-68.76	Pk	35.1	-18.6	11.8	-40.46	-27	-13.46	69	106	V

Pk - Peak detector

BANEDGE (HIGH CHANNEL)

HORIZONTAL RESULT

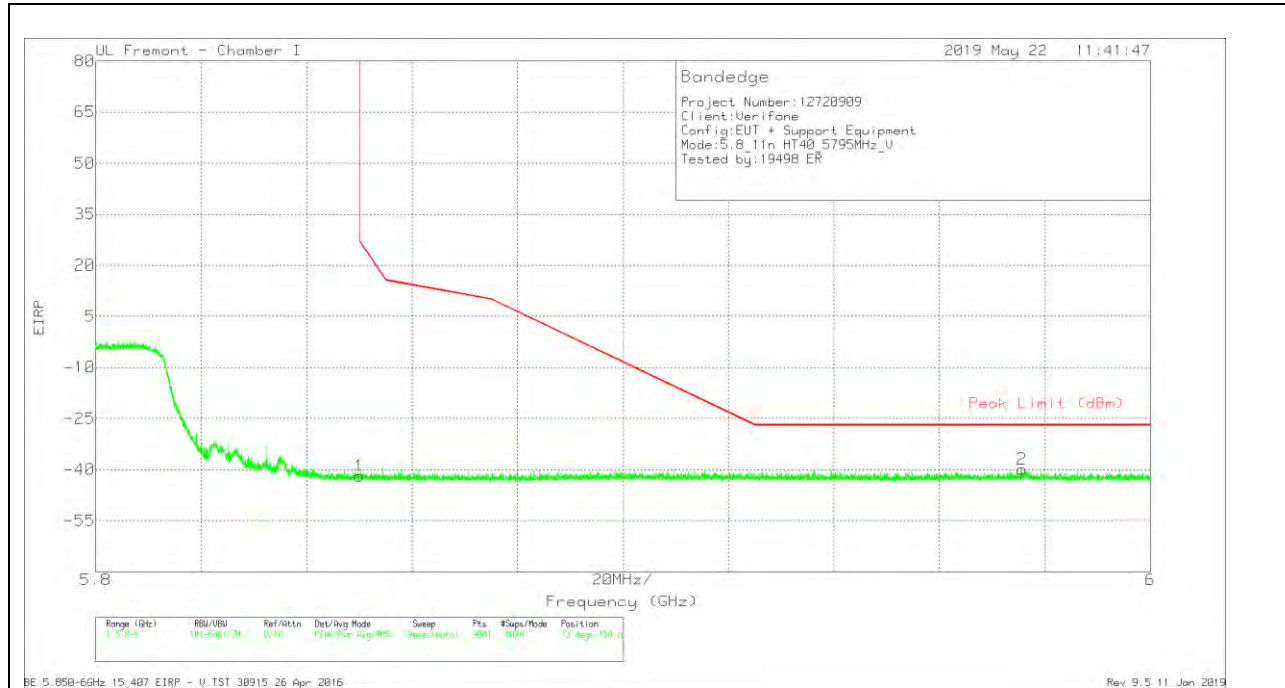


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T862 (dB/m)	Amp/Cb/Fit r/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-70.82	Pk	35.1	-17.4	11.8	-41.32	26.95	-68.27	87	113	H
2	5.98	-69.21	Pk	35.2	-17.5	11.8	-39.71	-27	-12.71	87	113	H

Pk - Peak detector

VERTICAL RESULT



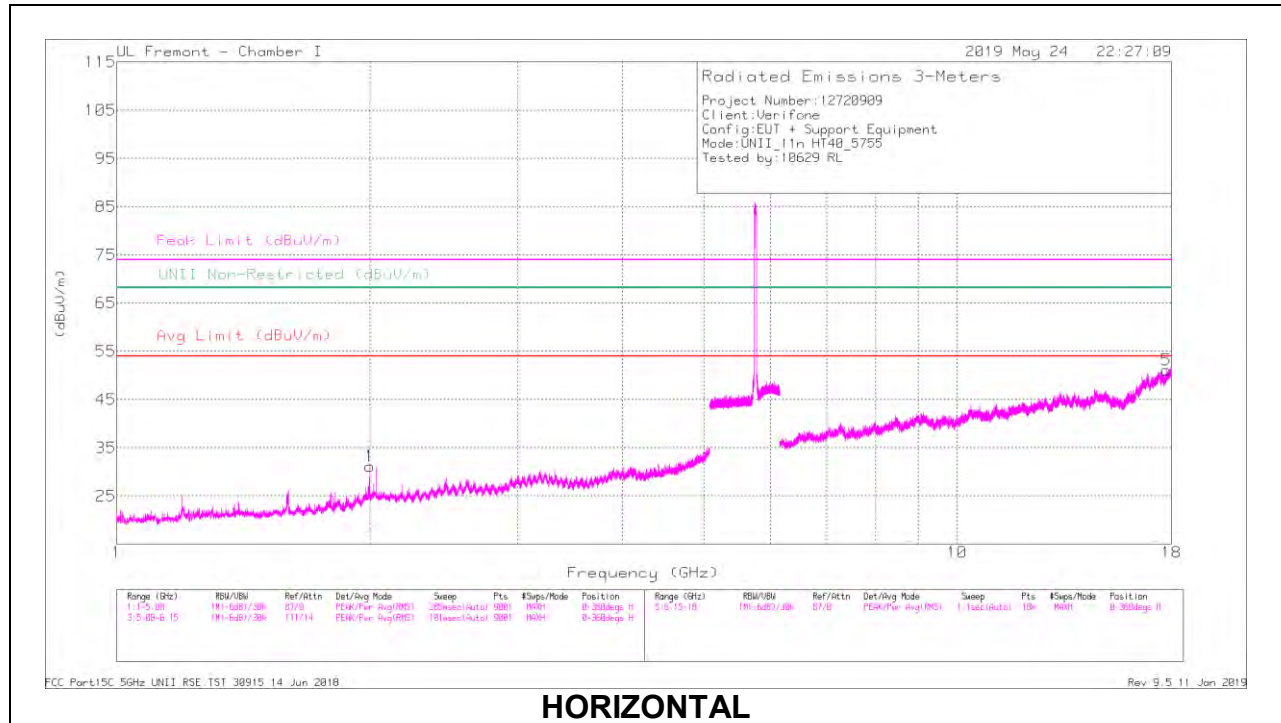
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T862 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-71.42	Pk	35.1	-17.4	11.8	-41.92	26.95	-68.87	73	150	V
2	5.976	-69.53	Pk	35.2	-17.4	11.8	-39.93	-27	-12.93	73	150	V

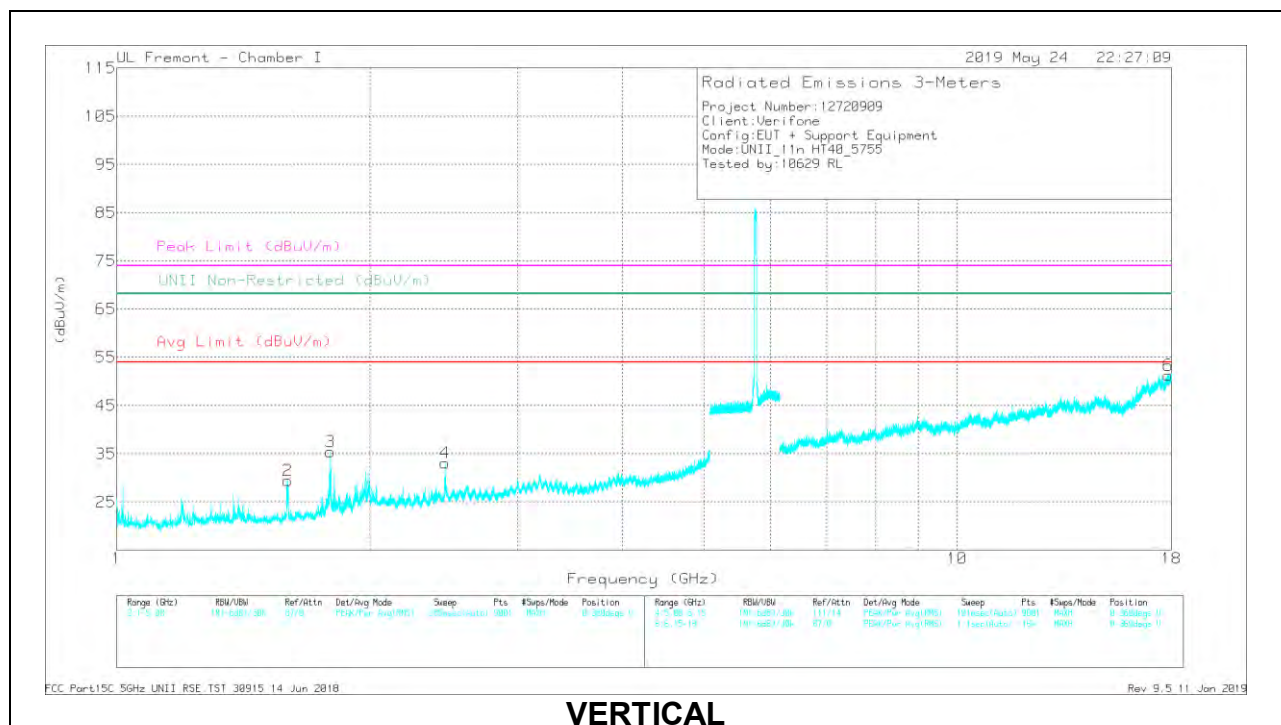
Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

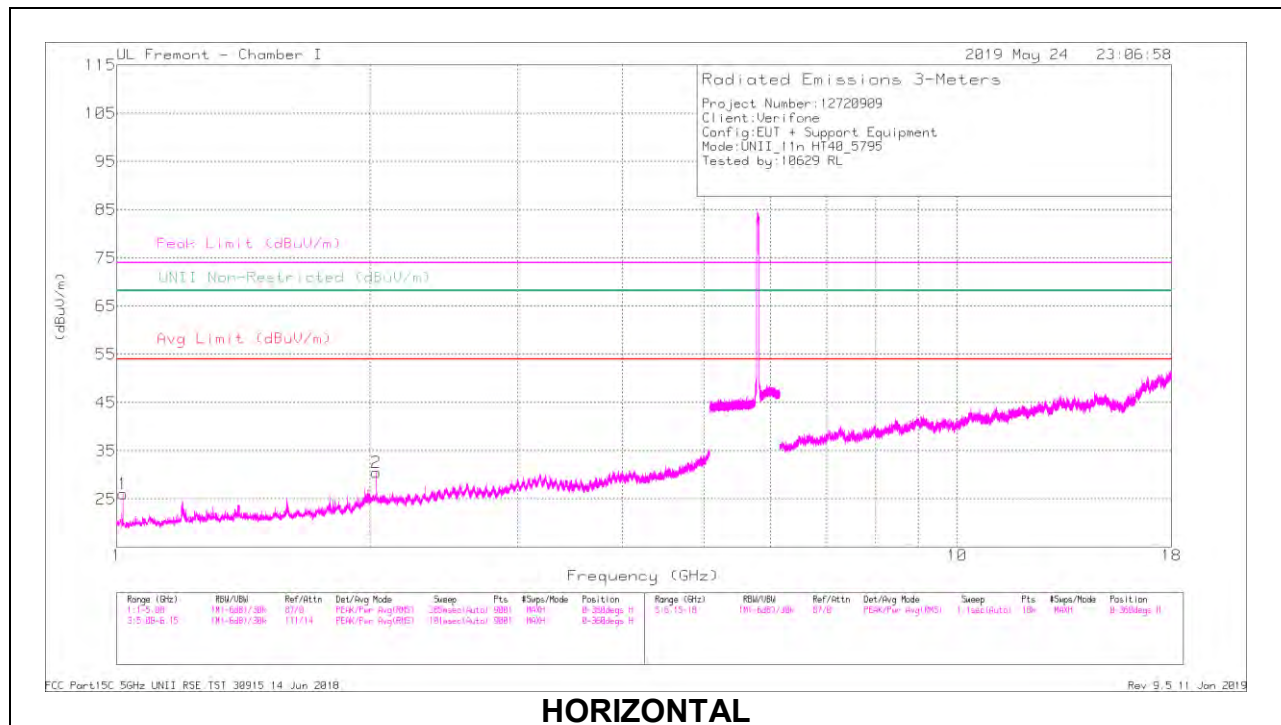
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0190810 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.999	44.71	PK-U	28.1	-32.4	0	40.41	-	-	-	-	68.2	-27.79	37	357	H
2	* 1.593	43.03	PK-U	25.2	-33	0	35.23	-	-	74	-38.77	-	-	86	247	V
	* 1.595	28.56	ADR	25.2	-33	1.19	21.95	54	-32.05	-	-	-	-	86	247	V
3	1.793	53.6	PK-U	26	-32.7	0	48.9	-	-	-	-	68.2	-21.3	2	297	V
4	2.459	46.45	PK-U	29.2	-31.6	0	44.05	-	-	-	-	68.2	-24.15	356	265	V
5	* 17.739	25.14	PK-U	42	-9.9	0	57.24	-	-	74	-16.76	-	-	214	335	H
	* 17.738	16.25	ADR	42	-9.9	1.19	49.54	54	-4.46	-	-	-	-	214	335	H
6	* 17.858	25.13	PK-U	42.6	-10.7	0	57.03	-	-	74	-16.97	-	-	301	383	V
	* 17.861	16.35	ADR	42.7	-10.8	1.19	49.44	54	-4.56	-	-	-	-	301	383	V

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

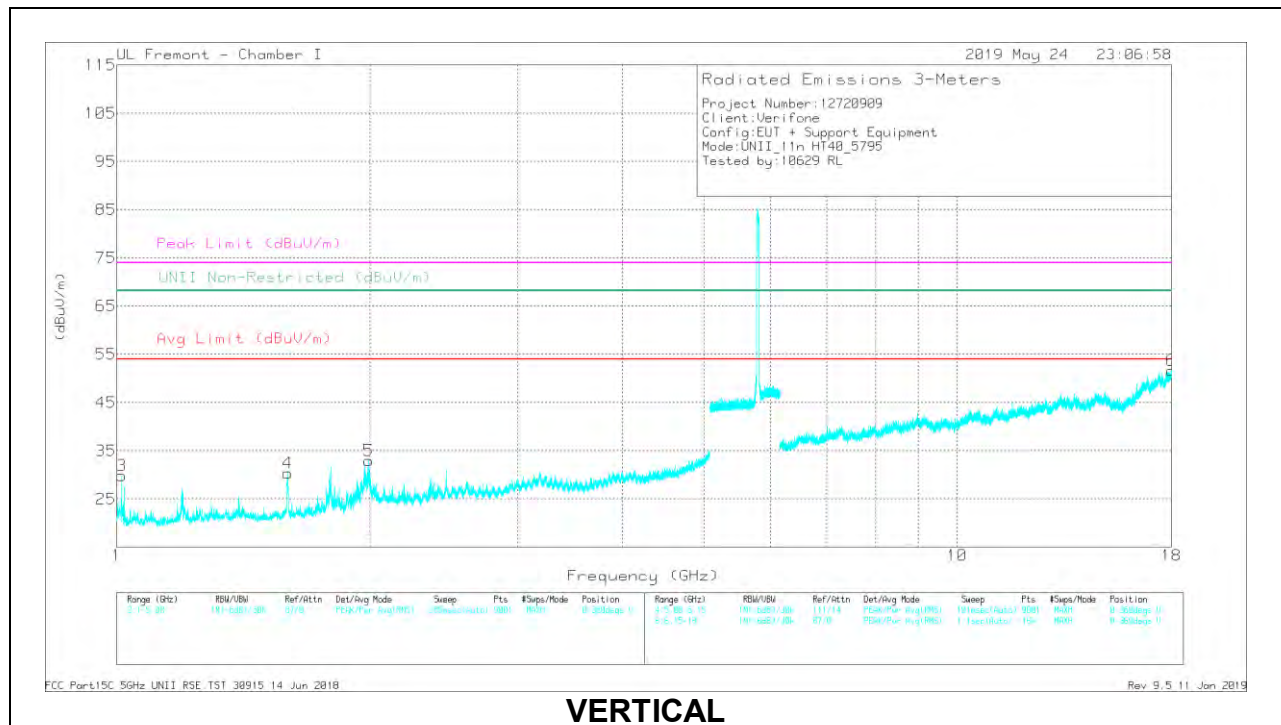
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

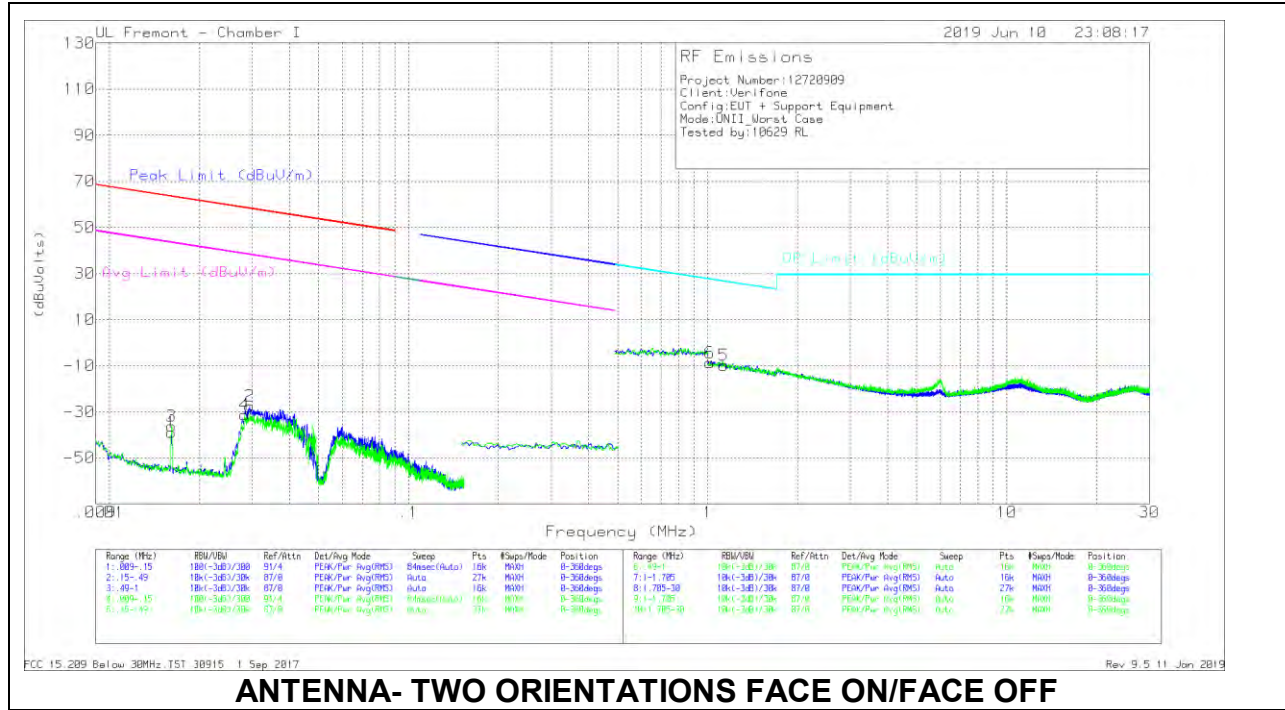
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0190810 (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	45.41	PK-U	23.4	-34.6	0	34.21	-	-	74	-39.79	-	-	264	333	H
	* 1.007	30.01	ADR	23.4	-34.6	1.19	29	54	-34	-	-	-	-	264	333	H
2	2.035	41.75	PK-U	28.2	-32.1	0	37.85	-	-	-	-	68.2	-30.35	36	153	H
3	* 1.003	48.13	PK-U	23.4	-34.6	0	36.93	-	-	74	-37.07	-	-	345	115	V
	* 1.004	33.77	ADR	23.4	-34.6	1.19	23.76	54	-30.24	-	-	-	-	345	115	V
4	* 1.599	48.5	PK-U	25.2	-33	0	40.7	-	-	74	-33.3	-	-	147	216	V
	* 1.596	29.82	ADR	25.2	-33	1.19	23.21	54	-30.79	-	-	-	-	147	216	V
5	1.996	53.31	PK-U	28.1	-32.5	0	48.91	-	-	-	-	68.2	-19.29	326	273	V
6	* 17.984	24.81	PK-U	43.3	-10.6	0	57.51	-	-	74	-16.49	-	-	192	158	V
	* 17.985	16.38	ADR	43.3	-10.6	1.19	50.27	54	-3.73	-	-	-	-	192	158	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 30MHZ

SPURIOUS EMISSIONS BELOW 30 MHz (WORST-CASE CONFIGURATION)



ANTENNA- TWO ORIENTATIONS FACE ON/FACE OFF

Trace Markers

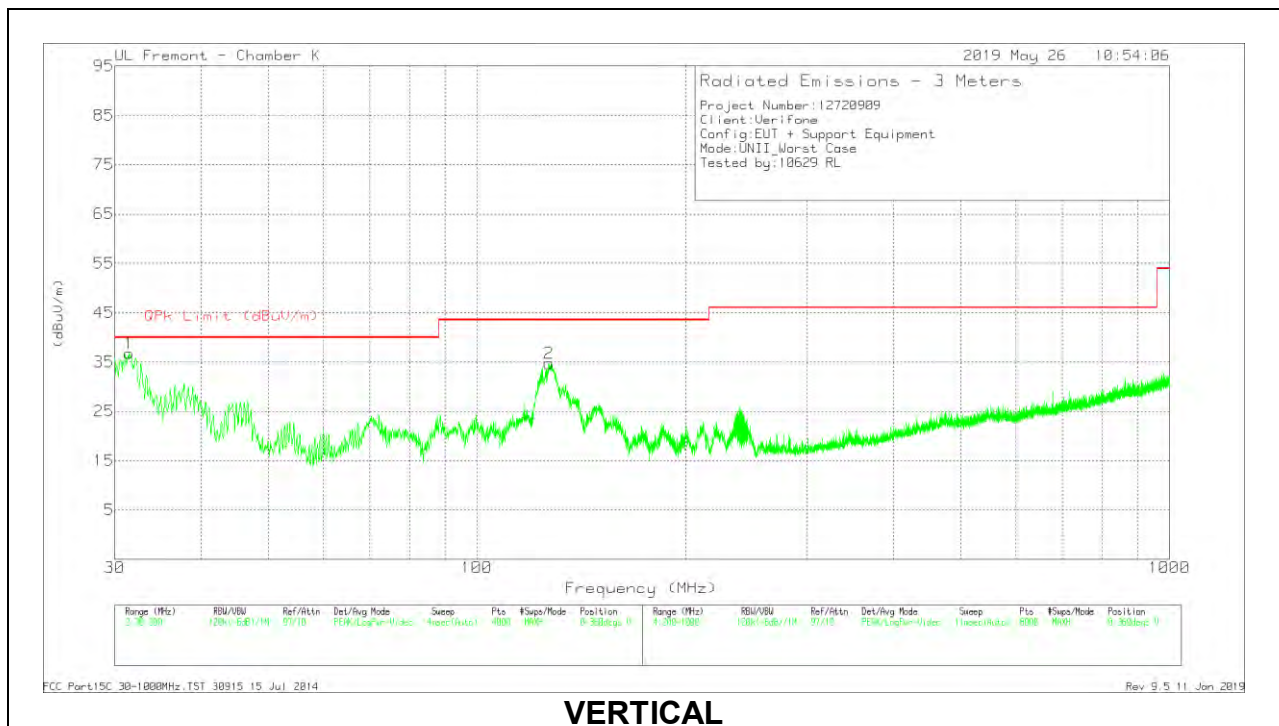
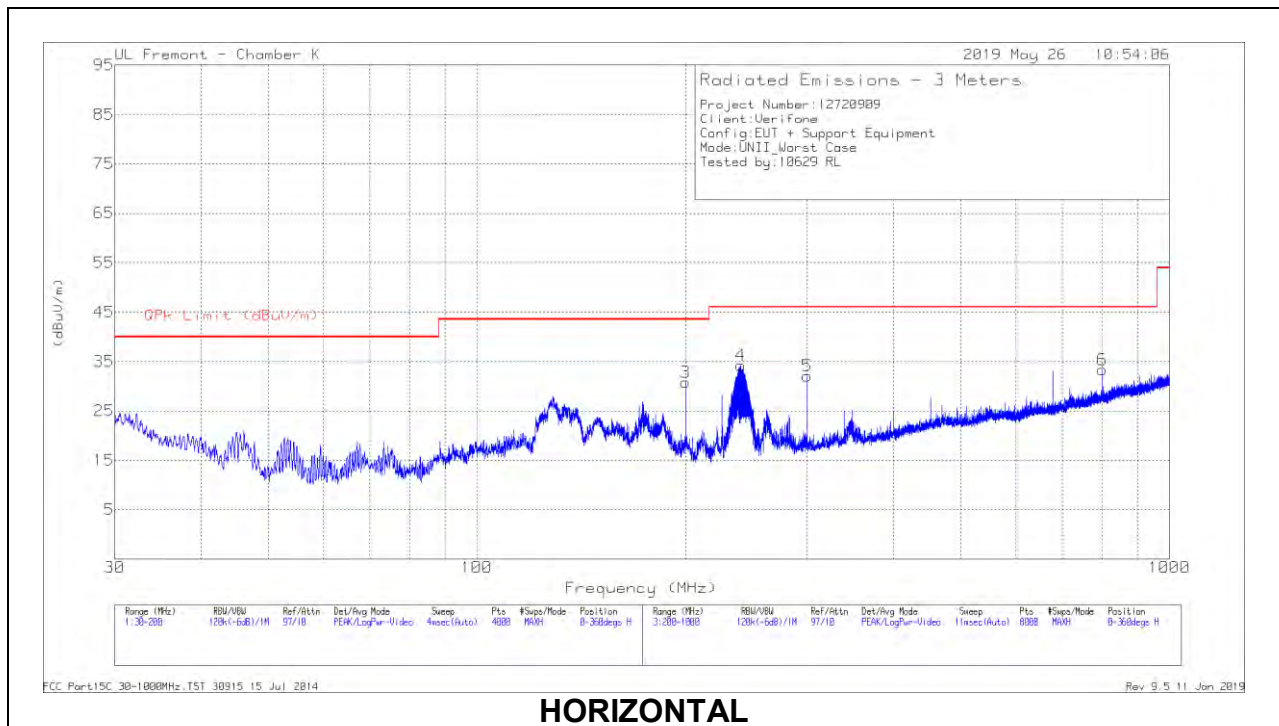
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (ACF)	Cables w/ PRE0180175 (dB)	Dist Corr 300m	Corrected Reading (dBuVolts)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
1	01615	14.15	Pk	59.3	-32.4	-80	-38.95	63.42	-102.37	43.42	-82.37	-	-	0-360
2	0204	26.88	Pk	57.8	-32.3	-80	-27.62	58.22	-85.84	38.22	-65.84	-	-	0-360
3	01615	16.99	Pk	59.3	-32.4	-80	-36.11	63.42	-99.53	43.42	-79.53	-	-	0-360
4	02831	23.18	Pk	57.9	-32.3	-80	-31.22	58.54	-89.76	38.54	-69.76	-	-	0-360

Pk - Peak detector

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (ACF)	Cables w/ PRE0180175 (dB)	Dist Corr 30m (dB) 40Log	Corrected Reading (dBuVolts)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
5	1.13345	15.93	Pk	46.1	-31.8	-40	-9.77	-	-	-	-	26.54	-36.31	0-360
6	1.01542	16.4	Pk	46.7	-31.8	-40	-8.7	-	-	-	-	27.49	-36.19	0-360

Pk - Peak detector

9.3. WORST CASE BELOW 1 GHZ



Below 1GHz DATA

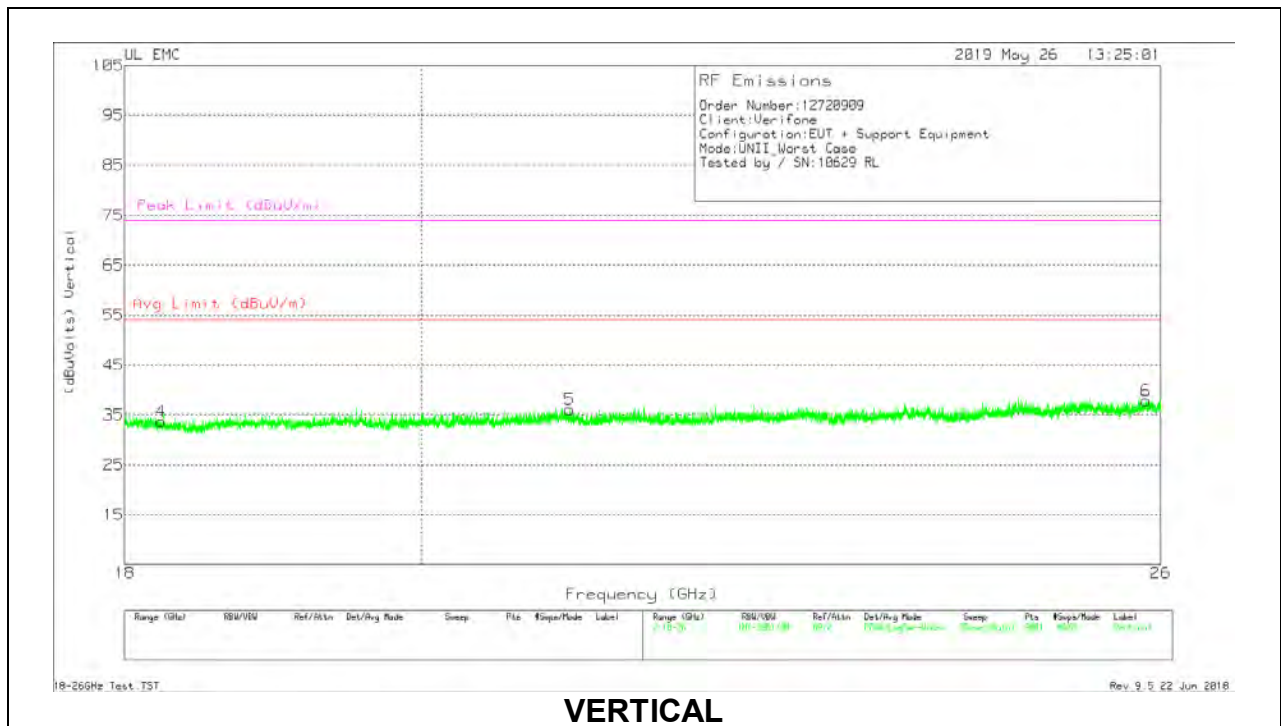
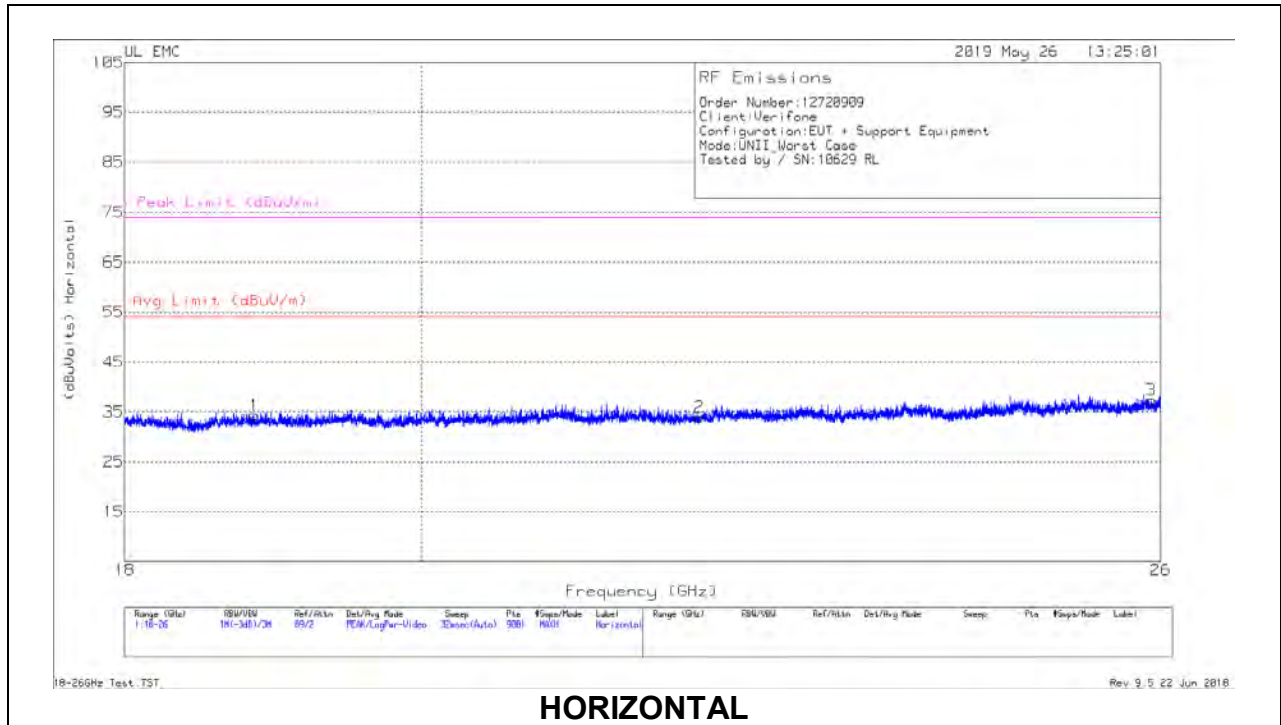
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF PRE0184052 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	31.1119	43.89	Pk	25.8	-31.6	38.09	40	-1.91	12	100	V
	31.1119	39.98	Qp	25.8	-31.6	34.18	40	-5.82	12	100	V
2	* 127.2824	44.74	Pk	19.6	-30.7	33.64	43.52	-9.88	345	103	V
	* 127.2824	42.72	Qp	19.6	-30.7	31.62	43.52	-11.9	345	103	V
3	200.004	36.47	Pk	18.5	-30.3	24.67	43.52	-18.85	198	102	H
	200.004	35.01	Qp	18.5	-30.3	23.21	43.52	-20.31	198	102	H
4	* 240.0101	56.93	Pk	17.5	-30	44.43	46.02	-1.59	94	122	H
	* 240.0101	46.4	Qp	17.5	-30	33.9	46.02	-12.12	94	122	H
5	297.7851	34.36	Pk	19.3	-29.9	23.76	46.02	-22.26	98	130	H
	297.7851	27.81	Qp	19.3	-29.9	17.21	46.02	-28.81	98	130	H
6	799.638	35.27	Pk	27.2	-27.8	34.67	46.02	-11.35	187	100	H
	799.638	30.75	Qp	27.2	-27.8	30.15	46.02	-15.87	187	100	H

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

Pk - Peak detector

Qp - Quasi-Peak detector

9.4. WORST CASE 18-26 GHZ

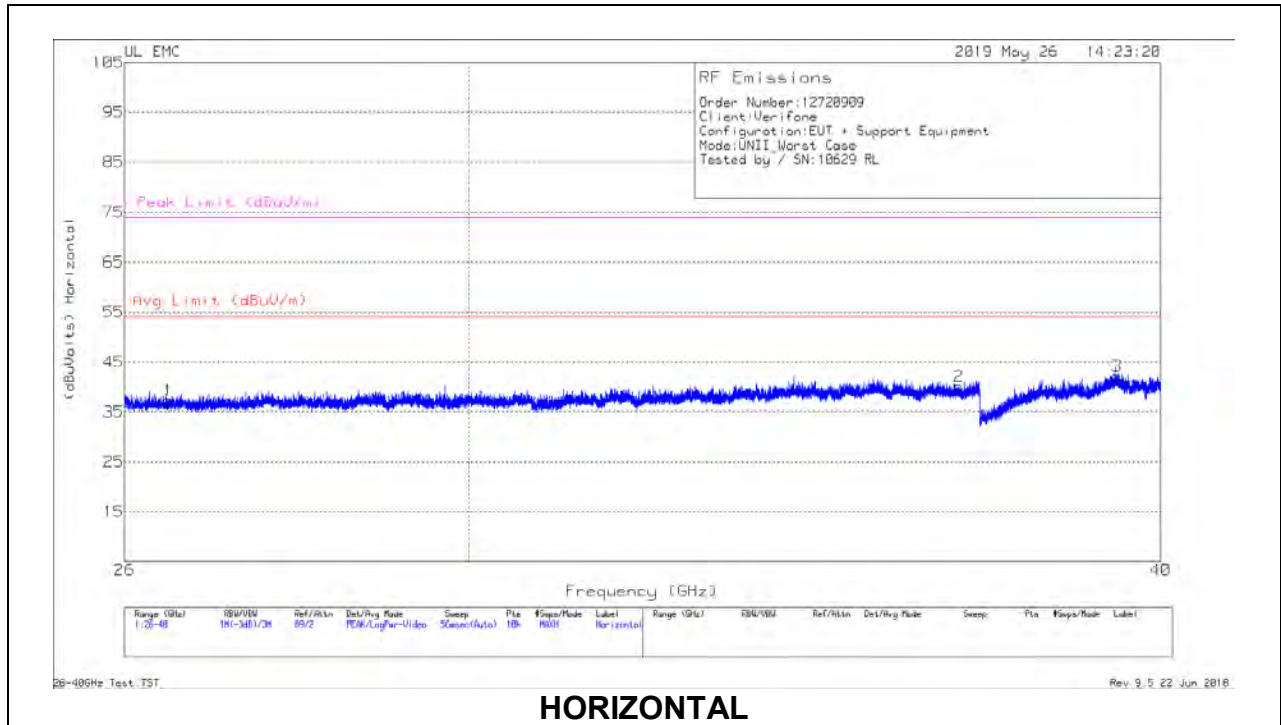


18 – 26GHz DATA

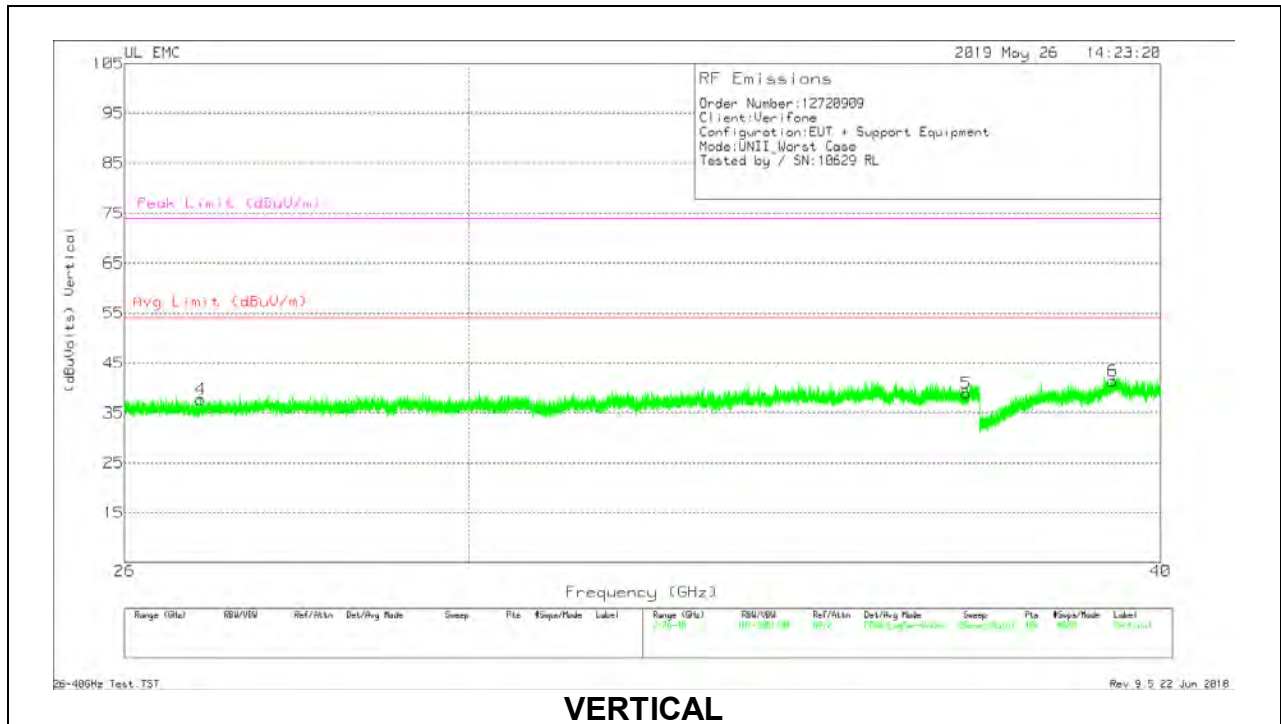
Marker	Frequency (GHz)	Meter Reading (dBUV)	Det	AF PRE0182188 (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Corrected Reading (dBUVolts)	Avg Limit (dBUV/m)	Margin (dB)	Peak Limit (dBUV/m)	PK Margin (dB)
1	18.851	69.2	Pk	32.9	-58.2	-9.5	34.4	54	-19.6	74	-39.6
2	22.073	67.06	Pk	34.1	-57.7	-9.5	33.96	54	-20.04	74	-40.04
3	25.912	67.28	Pk	35.1	-55.5	-9.5	37.38	54	-16.62	74	-36.62
4	18.235	70.49	Pk	32.7	-60	-9.5	33.69	54	-20.31	74	-40.31
5	21.079	69.1	Pk	33.5	-57	-9.5	36.1	54	-17.9	74	-37.9
6	25.866	67.55	Pk	35.1	-55.3	-9.5	37.85	54	-16.15	74	-36.15

Pk - Peak detector

9.5. WORST CASE 26-40 GHZ



HORIZONTAL



VERTICAL

26 – 40GHz DATA

Marker	Frequency (GHz)	Meter Reading (dBUV)	Det	PRE0182201 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	26.475	68.04	Pk	35.5	-56.8	-9.5	37.24	54	-16.76	74	-36.76
2	36.78	68.11	Pk	37.1	-55.6	-9.5	40.11	54	-13.89	74	-33.89
3	39.279	67.8	Pk	38.5	-54.6	-9.5	42.2	54	-11.8	74	-31.8
4	26.835	68.32	Pk	35.3	-56.4	-9.5	37.72	54	-16.28	74	-36.28
5	36.89	67.06	Pk	37.2	-55.8	-9.5	38.96	54	-15.04	74	-35.04
6	39.216	67.12	Pk	38.4	-54.6	-9.5	41.42	54	-12.58	74	-32.58

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.

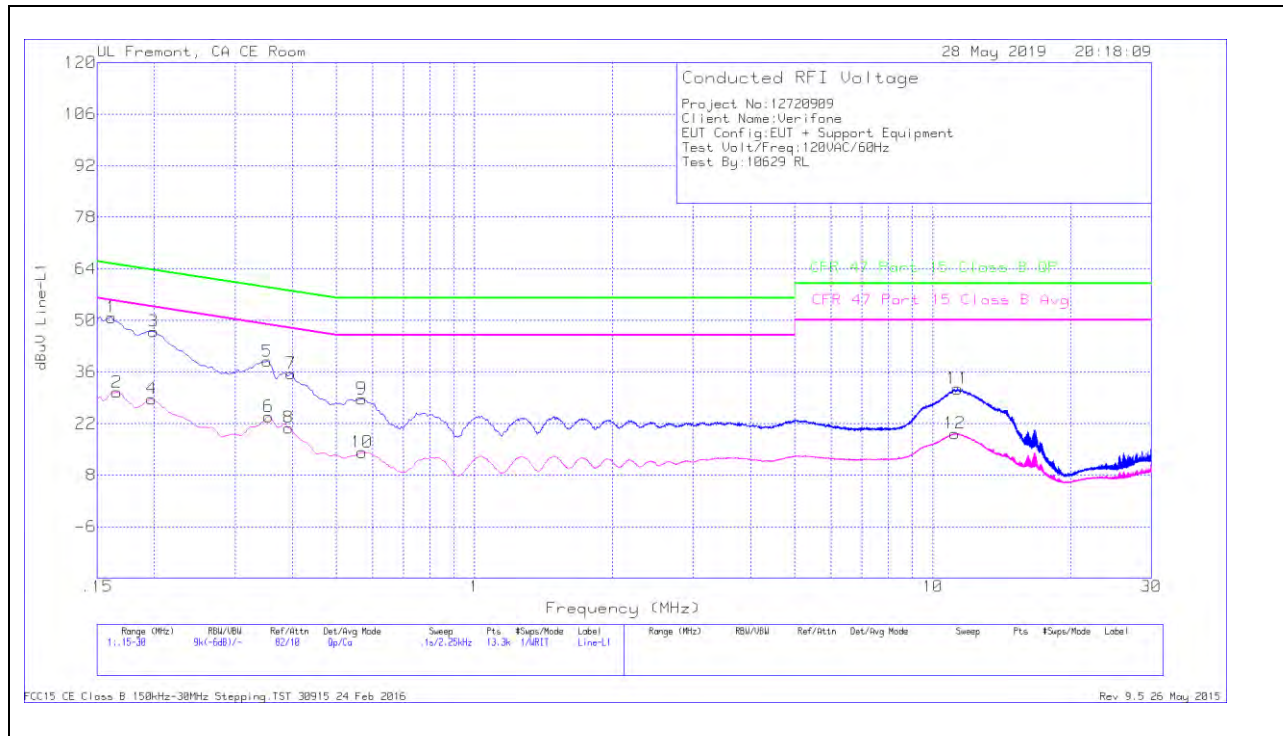
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

10.1.1. AC Power Line Norm

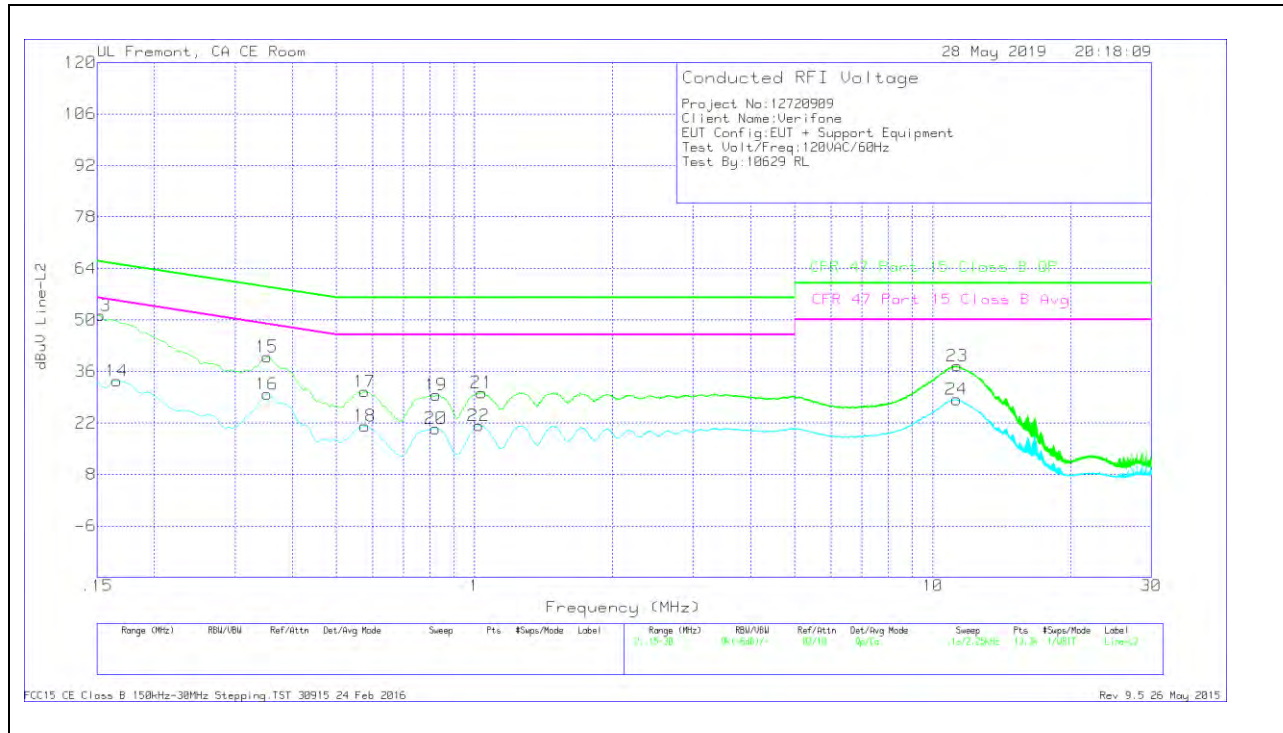
LINE 1 RESULTS



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	.16125	40.61	Qp	.1	0	10.1	50.81	65.4	-14.59	-	-
2	.16575	20.3	Ca	.1	0	10.1	30.5	-	-	55.17	-24.67
3	.1995	36.92	Qp	0	0	10.1	47.02	63.63	-16.61	-	-
4	.19725	18.61	Ca	0	0	10.1	28.71	-	-	53.73	-25.02
5	.3525	28.8	Qp	0	0	10.1	38.9	58.9	-20	-	-
6	.35475	13.8	Ca	0	0	10.1	23.9	-	-	48.85	-24.95
7	.3975	25.46	Qp	0	0	10.1	35.56	57.91	-22.35	-	-
8	.393	10.74	Ca	0	0	10.1	20.84	-	-	48	-27.16
9	.56737	18.59	Qp	0	0	10.1	28.69	56	-27.31	-	-
10	.5685	4.09	Ca	0	0	10.1	14.19	-	-	46	-31.81
11	11.328	20.98	Qp	.1	.2	10.2	31.48	60	-28.52	-	-
12	11.17725	8.81	Ca	.1	.2	10.2	19.31	-	-	50	-30.69

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	.15225	41.02	Qp	.1	0	10.1	51.22	65.88	-14.66	-	-
14	.16575	23.22	Ca	.1	0	10.1	33.42	-	-	55.17	-21.75
15	.3525	29.84	Qp	0	0	10.1	39.94	58.9	-18.96	-	-
16	.3525	19.72	Ca	0	0	10.1	29.82	-	-	48.9	-19.08
17	.57525	20.41	Qp	0	0	10.1	30.51	56	-25.49	-	-
18	.57637	11.04	Ca	0	0	10.1	21.14	-	-	46	-24.86
19	.825	19.5	Qp	0	0	10.1	29.6	56	-26.4	-	-
20	.82275	10.39	Ca	0	0	10.1	20.49	-	-	46	-25.51
21	1.0365	20.02	Qp	0	.1	10.1	30.22	56	-25.78	-	-
22	1.02075	11.05	Ca	0	.1	10.1	21.25	-	-	46	-24.75
23	11.3055	27.02	Qp	.1	.2	10.2	37.52	60	-22.48	-	-
24	11.26613	17.9	Ca	.1	.2	10.2	28.4	-	-	50	-21.6

Qp - Quasi-Peak detector
 Ca - CISPR average detection