

RADIATED EMISSIONS

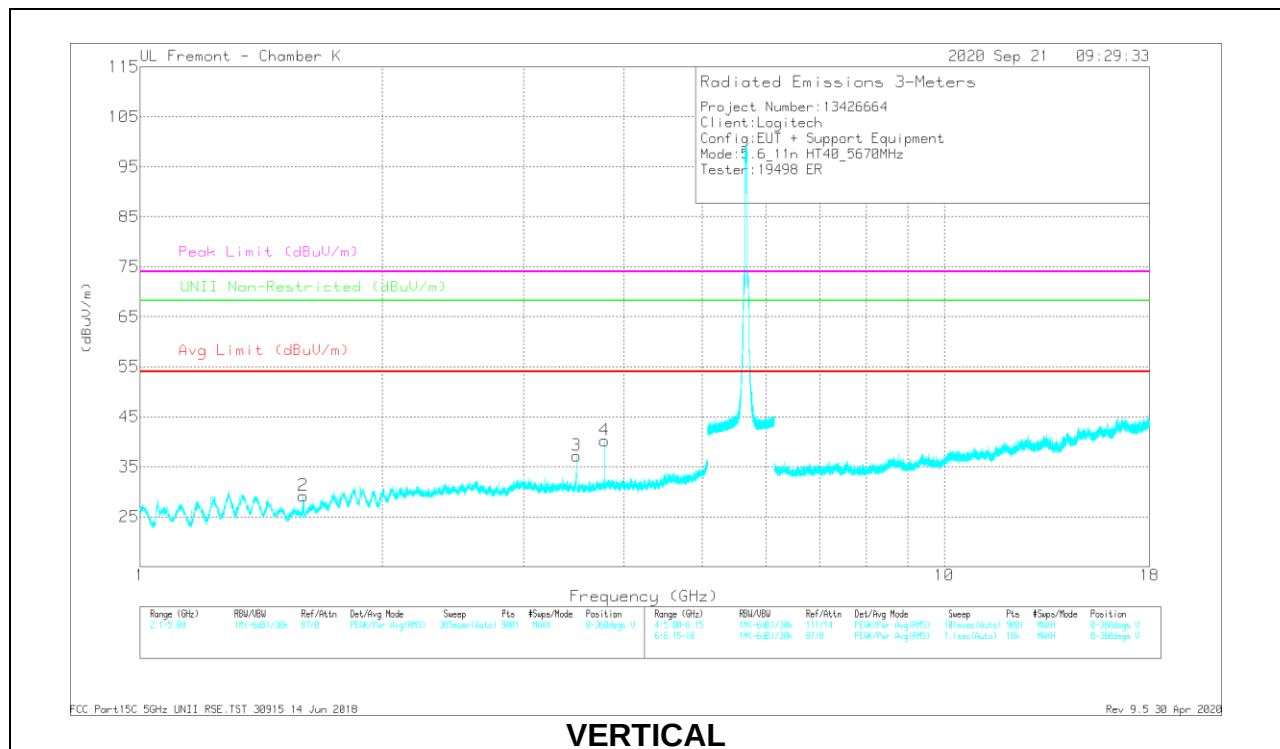
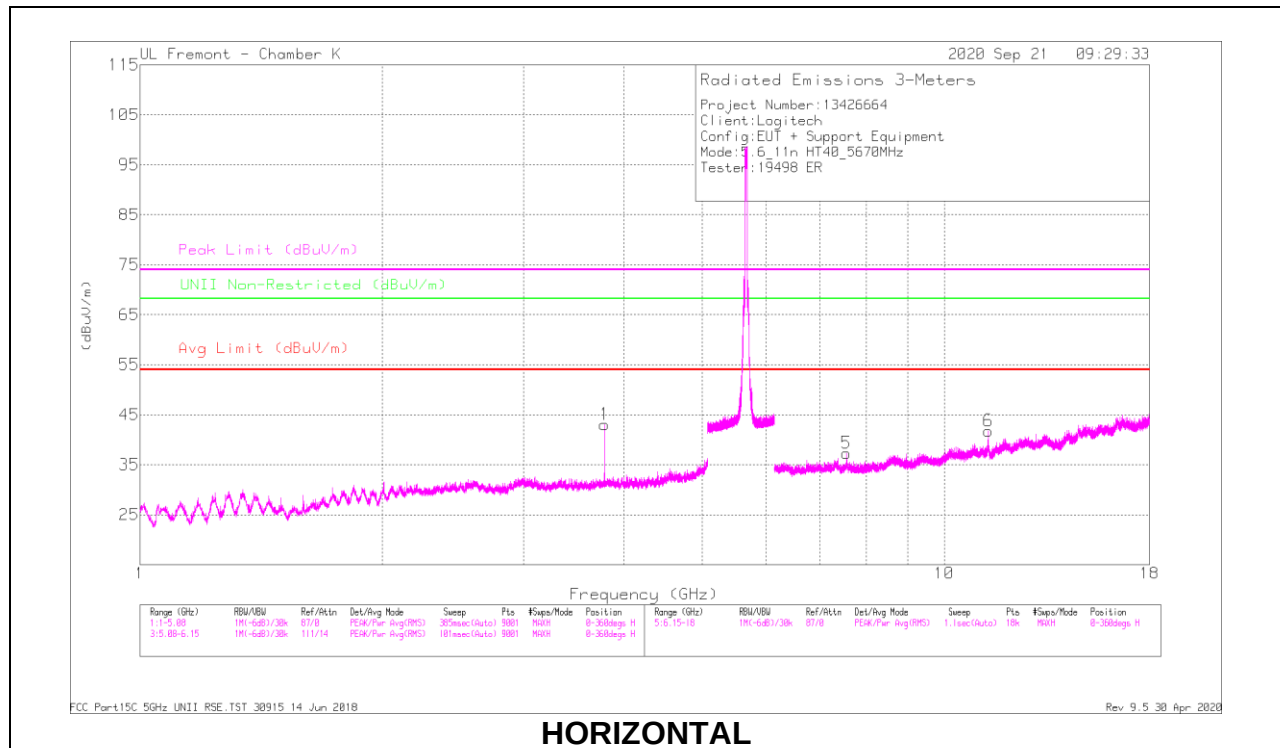
Marker	Frequency (GHz)	Meas Reading (dBm)	Det	AF 1583 (dBm)	Amp/Cat/Flt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBm)	Avg Limit (dBm)	Margin (dB)	Peak Limit (dBm)	PK Margin (dB)	ULR Non-Restricted (dBm)	PK Margin (dB)	Altitude (m)	Height (m)	Polarity
1	* 1.59468	60.71	PK-U	29.1	-46.2	0	42.61	-	-	74	-31.39	-	-	241	303	H
	* 1.59294	43.38	ADR	28.1	-46.1	.44	25.82	54	-28.18	-	-	-	-	241	303	H
2	* 3.69999	55.59	PK-U	33.6	-42.1	0	47.09	-	-	74	-26.91	-	-	24	182	H
	* 3.70003	51.26	ADR	33.6	-42.1	.44	43.2	54	-10.8	-	-	-	-	24	182	H
6	* 7.39113	46.35	PK-U	36	-38	0	44.35	-	-	74	-29.65	-	-	227	101	H
	* 7.40009	34.59	ADR	36.1	-38.1	.44	33.03	54	-20.97	-	-	-	-	227	101	H
3	* 1.59276	65.86	PK-U	29.1	-46.1	0	47.86	-	-	74	-26.14	-	-	147	346	V
	* 1.5956	46.52	ADR	28.1	-46.2	.44	28.86	54	-25.14	-	-	-	-	147	346	V
4	3.48399	56.83	PK-U	32.9	-42.2	0	47.43	-	-	74	-27.57	68.2	-20.77	360	217	V
	* 3.7	54.57	PK-U	33.6	-42.1	0	46.07	-	-	74	-27.93	-	-	9	242	V
5	* 3.70003	49.22	ADR	33.6	-42.1	.44	41.16	54	-12.84	-	-	-	-	9	242	V
7	* 7.39988	46.07	PK-U	36.1	-38.1	0	44.07	-	-	74	-29.93	-	-	326	205	V
	* 7.4001	35.44	ADR	36.1	-38.1	.44	33.88	54	-20.12	-	-	-	-	326	205	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



RADIATED EMISSIONS

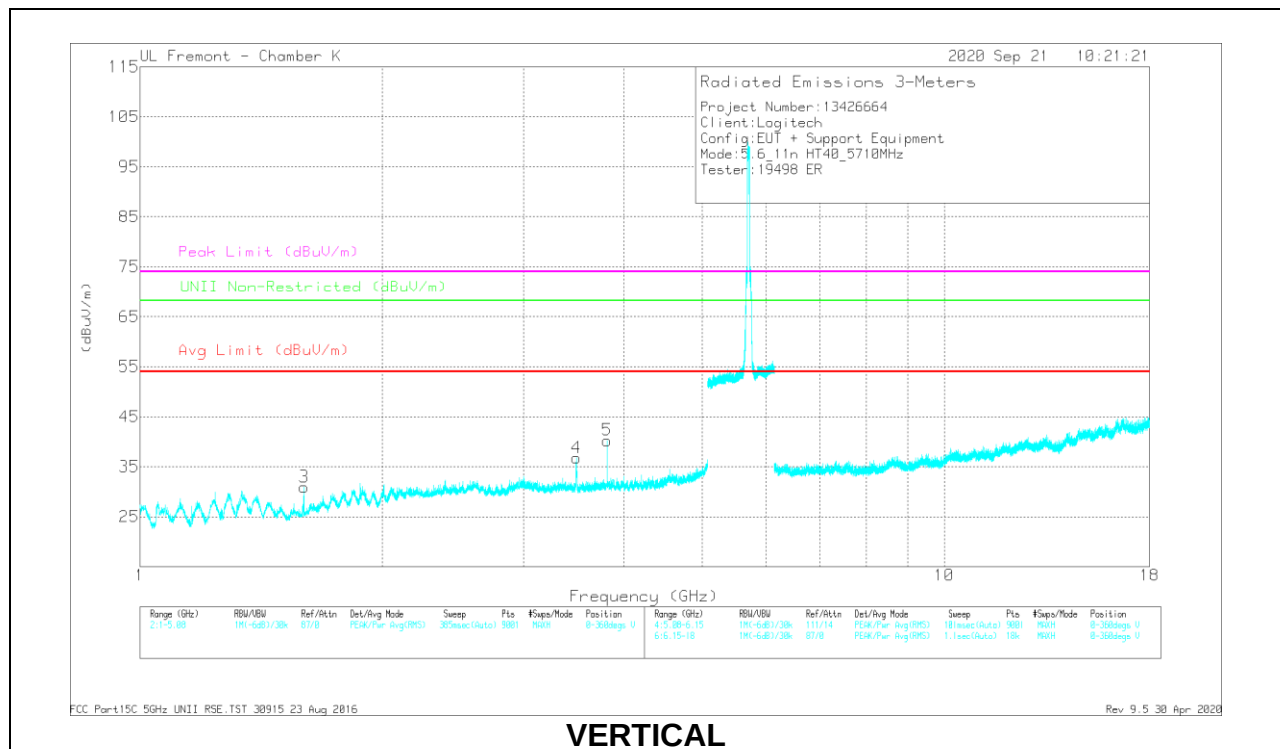
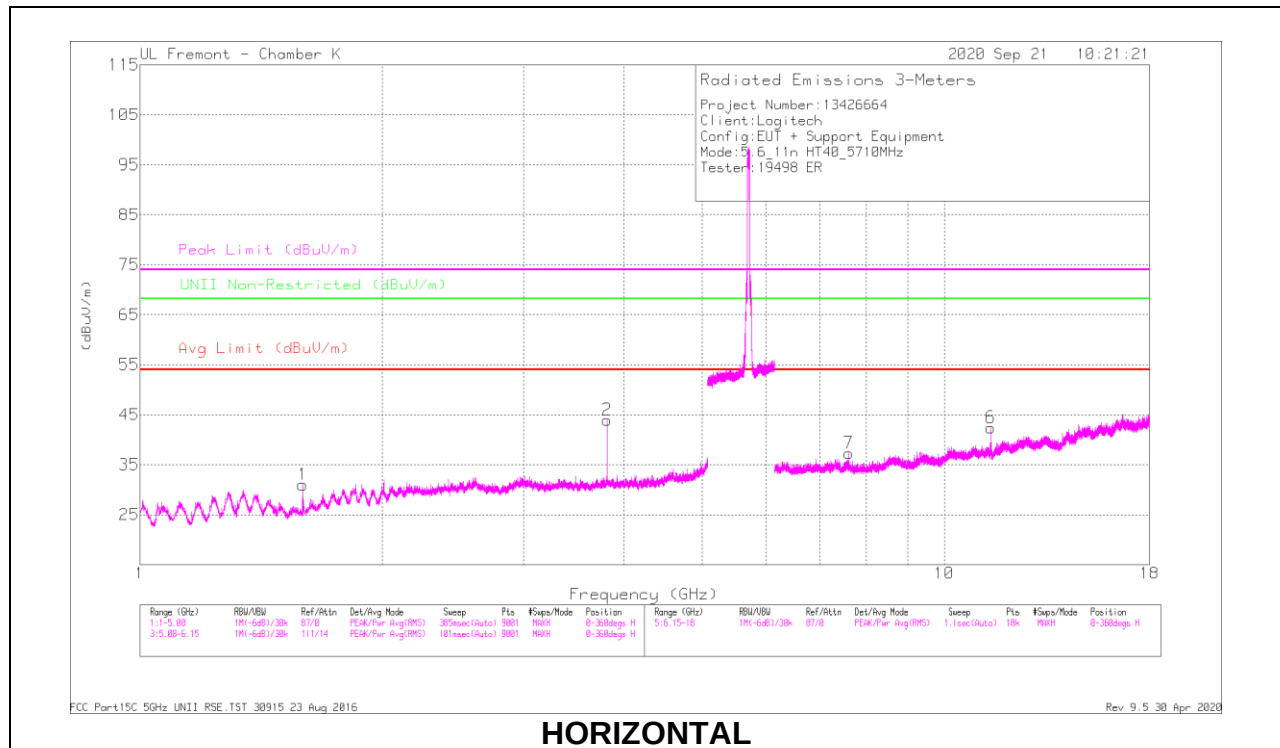
Marker	Frequency (MHz)	Meas Reading (dBuV)	Det	AF 1503 (dBm)	AmpCofFmPad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNE Non-Restricted (dBuV/m)	PK Margin (dB)	Altitude (Feet)	Height (m)	Polarity
1	* 3.78009	54.66	PK-U	33.6	-42	0	46.26	-	-	74	-27.74	-	-	21	176	H
	* 3.78006	51.13	ADR	33.6	-42	.44	43.17	54	-10.83	-	-	-	-	21	176	H
5	* 7.55989	47.84	PK-U	36	-37.6	0	46.24	-	-	74	-27.76	-	-	338	199	H
	* 7.56003	38.47	ADR	36	-37.6	.44	37.31	54	-16.69	-	-	-	-	338	199	H
6	* 11.33989	49.88	PK-U	38	-36.1	0	50.58	-	-	74	-23.42	-	-	112	167	H
	* 11.33902	36.8	ADR	38	-36.1	.44	39.14	54	-14.86	-	-	-	-	112	167	H
2	* 1.59292	64.26	PK-U	28.1	-46.1	0	46.26	-	-	74	-27.74	-	-	67	290	V
	* 1.59412	44.94	ADR	28.1	-46.2	.44	27.28	54	-26.72	-	-	-	-	67	290	V
3	* 3.78007	52.82	PK-U	33.6	-42	0	44.22	-	-	74	-29.78	-	-	326	176	V
	* 3.78006	47.05	ADR	33.6	-42	.44	39.09	54	-14.91	-	-	-	-	326	176	V
4	3.48943	57.52	PK-U	32.8	-42.2	0	48.12	-	-	-	-	68.2	-20.08	355	276	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 142 RESULTS



RADIATED EMISSIONS

Marker	Frequency (MHz)	Meas Reading (dBuV)	Det	AF 1502 (dBm)	AmpCoeffInPad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNE Non-Restricted (dBuV/m)	PK Margin (dB)	Altitude (ft/m)	Height (m)	Polarity
1	* 1.59059	54.37	PK-U	29.1	-46.2	0	46.27	-	-	74	-27.73	-	-	298	294	H
	* 1.59952	46.7	ADR	29.1	-46.2	.44	29.04	54	-24.96	-	-	-	-	298	294	H
2	* 3.80686	55.87	PK-U	33.5	-42	0	47.37	-	-	74	-26.63	-	-	21	170	H
	* 3.8067	51.86	ADR	33.5	-42	.44	43.8	54	-10.2	-	-	-	-	21	170	H
7	* 7.61325	46.88	PK-U	36.1	-37.2	0	44.18	-	-	74	-29.22	-	-	331	183	H
	* 7.61348	37.03	ADR	36.1	-38.2	.44	35.37	54	-18.63	-	-	-	-	331	183	H
6	* 11.41681	48.92	PK-U	38.1	-36.3	0	50.72	-	-	74	-23.28	-	-	31	193	H
	* 11.41953	36.73	ADR	38.1	-36.3	.44	38.97	54	-15.03	-	-	-	-	31	193	H
3	* 1.59542	63.75	PK-U	28.1	-46.2	0	45.65	-	-	74	-28.35	-	-	347	375	V
	* 1.59552	45.4	ADR	28.1	-46.2	.44	27.74	54	-26.26	-	-	-	-	347	375	V
4	* 3.8068	52.9	PK-U	33.5	-42	0	44.4	-	-	74	-29.6	-	-	7	184	V
	* 3.80672	45.86	ADR	33.5	-42	.44	37.8	54	-16.2	-	-	-	-	7	184	V
5	3.46292	57.75	PK-U	32.8	-42.1	0	48.45	-	-	-	-	60.2	-19.75	358	214	V

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

PK-U - U-NII: Maximum Peak

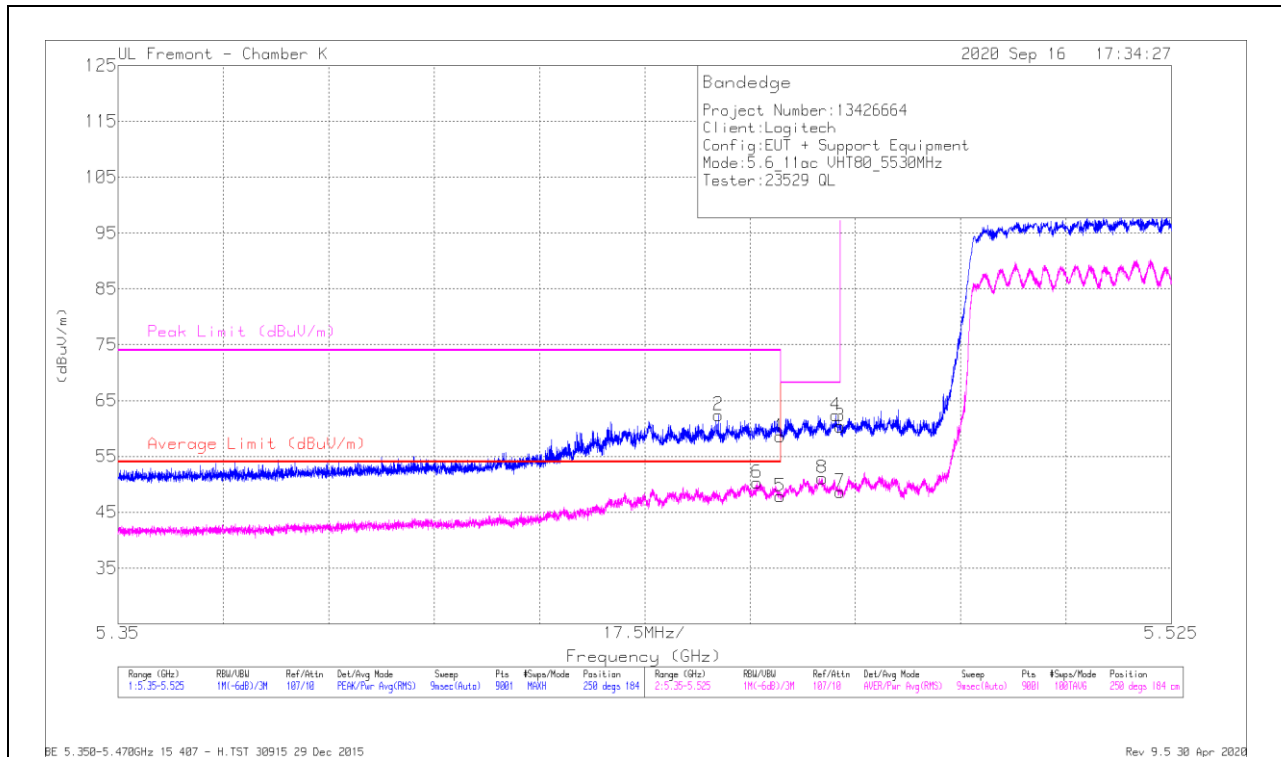
ADR - U-NII AD primary method, RMS average

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

2TX Antenna 1 + Antenna 2 CDD MODE

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



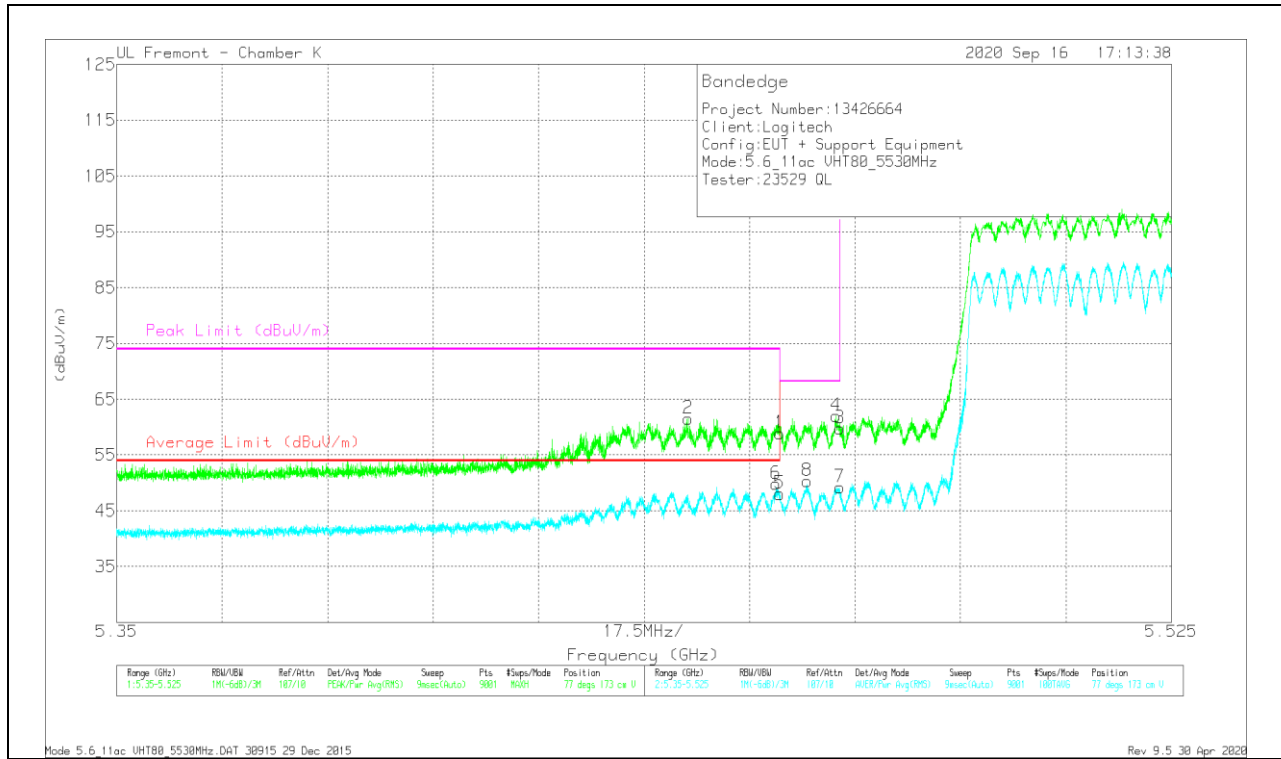
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	AmprCM/FIT/Pd (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 5.45999	53.69	Pk	35.6	-30.7	0	58.59	-	-	74	-15.41	250	184	H
2	* 5.44971	57.62	Pk	35.5	-30.7	0	62.42	-	-	74	-11.58	250	184	H
3	5.46999	55.38	Pk	35.7	-30.7	0	60.38	-	-	68.2	-7.82	250	184	H
4	5.46921	57.37	Pk	35.7	-30.7	0	62.37	-	-	68.2	-5.83	250	184	H
5	* 5.45999	42.12	RMS	35.6	-30.7	.85	47.86	54	-6.14	-	-	250	184	H
6	* 5.45614	44.47	RMS	35.7	-30.7	.85	50.31	54	-3.69	-	-	250	184	H
7	5.46999	42.78	RMS	35.7	-30.7	.85	48.62	-	-	-	-	250	184	H
8	5.46698	45.39	RMS	35.6	-30.7	.85	51.13	-	-	-	-	250	184	H

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

Pk - Peak detector

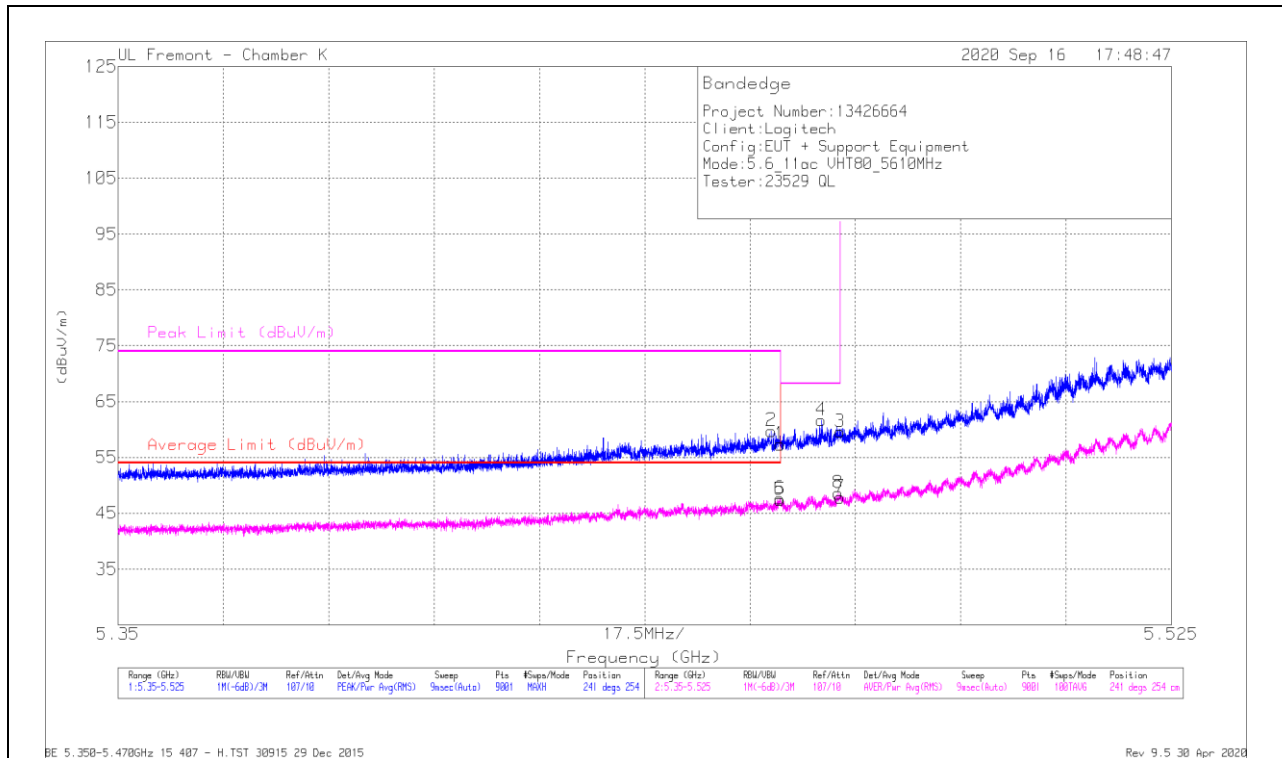
RMS - RMS detection

VERTICAL RESULT



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

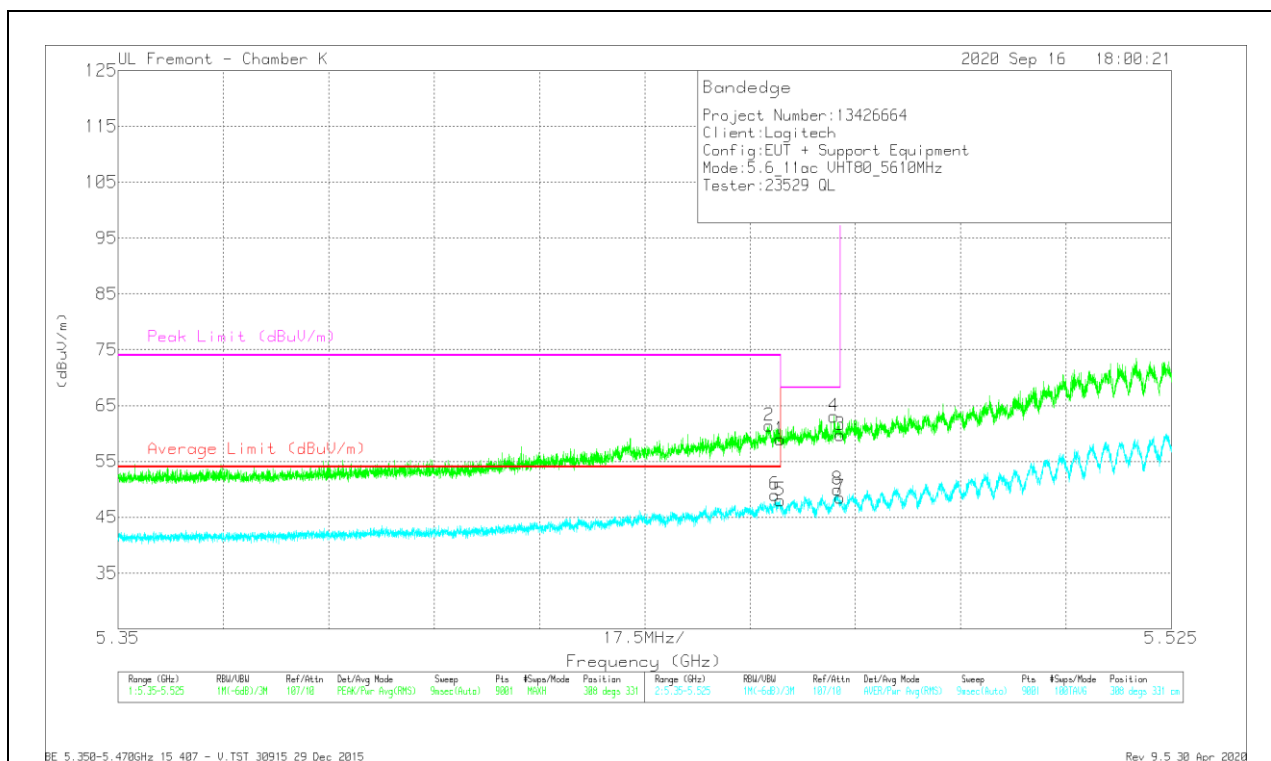
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meas Reading (dBuV)	Det	AF 1963 (dBm)	Amp/Chl/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (feet)	Height (m)	Polarity
1	* 5.45999	52.43	Pk	35.6	-30.7	0	57.33	-	-	74	-16.67	241	254	H
2	* 5.45954	54.74	Pk	35.7	-30.7	0	59.74	-	-	74	-14.26	241	254	H
3	5.46999	54.57	Pk	35.7	-30.7	0	59.57	-	-	68.2	-8.63	241	254	H
4	5.46996	56.73	Pk	35.6	-30.7	0	61.63	-	-	68.2	-6.57	241	254	H
5	* 5.45999	41.64	RMS	35.6	-30.7	85	47.39	54	-6.61	-	-	241	254	H
6	* 5.45996	41.88	RMS	35.6	-30.7	85	47.63	54	-6.37	-	-	241	254	H
7	5.46999	42.01	RMS	35.7	-30.7	85	47.86	-	-	-	-	241	254	H
8	5.46994	42.74	RMS	35.7	-30.7	85	48.59	-	-	-	-	241	254	H

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

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1963 (dBm)	Amp/CMIF/In/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Acimuth (Degs)	Height (cm)	Polarity
1	* 5.45999	54.06	Pk	35.6	-30.7	0	58.96	-	-	74	-15.04	308	331	V
2	* 5.45817	56.39	Pk	35.7	-30.7	0	61.39	-	-	74	-12.61	308	331	V
3	5.46999	54.73	Pk	35.7	-30.7	0	59.73	-	-	68.2	-8.47	308	331	V
4	5.46892	58.07	Pk	35.7	-30.7	0	63.07	-	-	68.2	-5.13	308	331	V
5	* 5.45999	42.27	RMS	35.6	-30.7	85	48.02	54	-5.98	-	-	308	331	V
6	* 5.45908	43.2	RMS	35.7	-30.7	85	49.05	54	-4.95	-	-	308	331	V
7	5.46999	42.68	RMS	35.7	-30.7	85	48.53	-	-	-	-	308	331	V
8	5.46952	44.12	RMS	35.7	-30.7	85	49.97	-	-	-	-	308	331	V

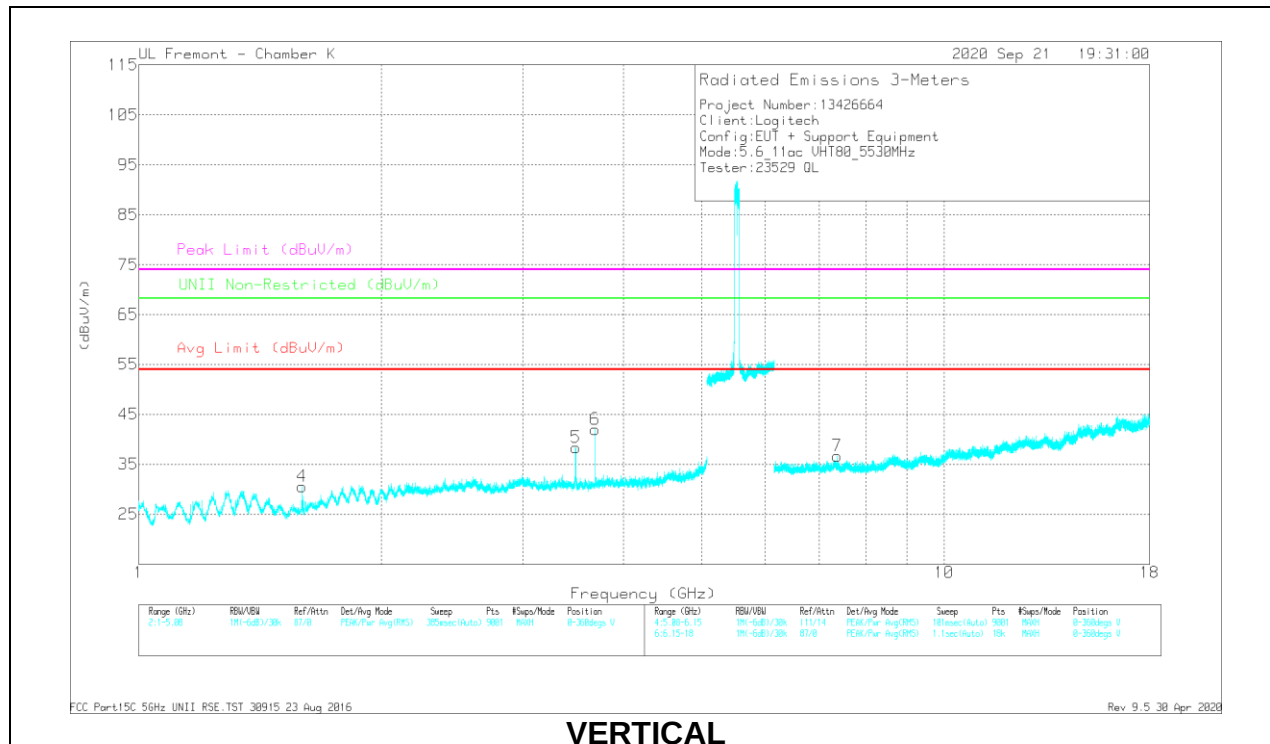
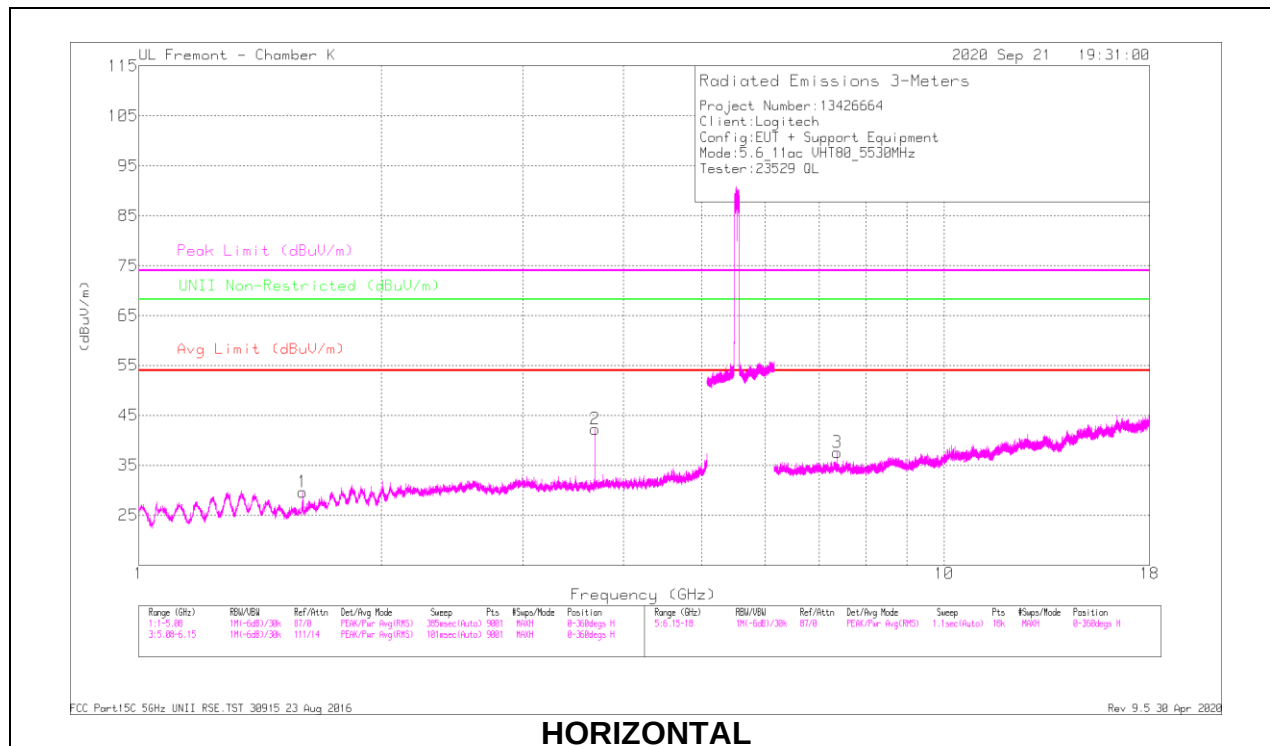
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

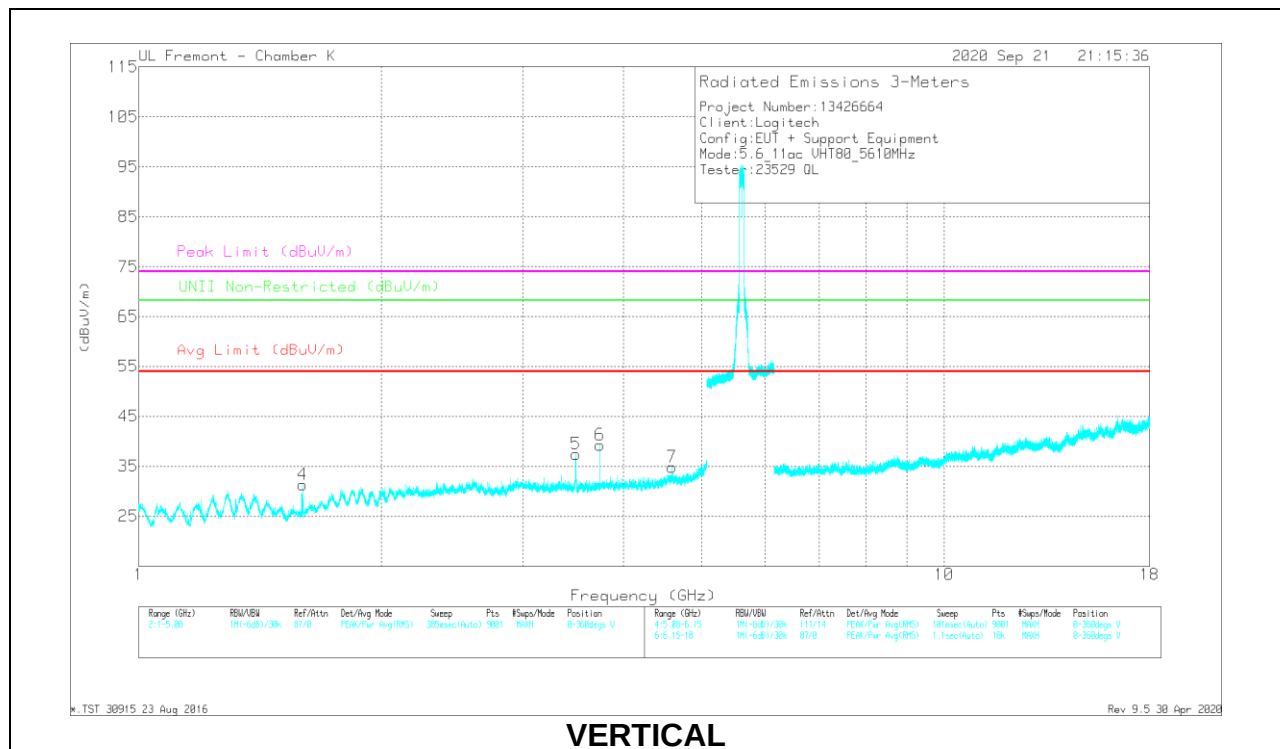
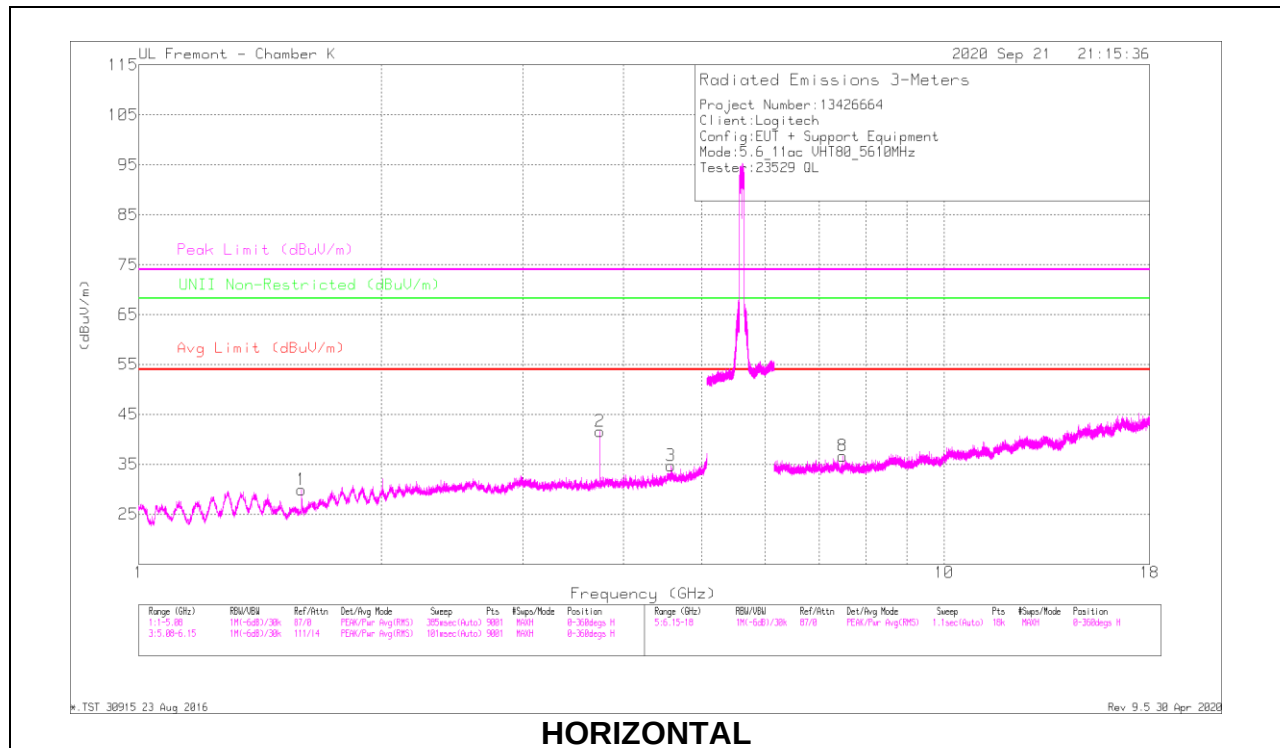
Marker	Frequency (GHz)	Meas Reading (dBm)	Det	AF 1583 (dBm)	Amp/Cat/HPad (dB)	DC Corr (dB)	Corrected Reading (dBm)	Avg Limit (dBm)	Margin (dB)	Peak Limit (dBm)	PK Margin (dB)	ULR Non-Restricted (dBm)	PK Margin (dB)	Altitude (m)	Height (m)	Polarity
1	* 1.59317	66.26	PK-U	28.1	-46.1	0	48.26	-	-	74	-25.74	-	-	87	298	H
	* 1.59403	45.72	ADR	28.1	-46.2	85	28.46	54	-25.54	-	-	-	-	87	298	H
2	* 3.69667	53.53	PK-U	33.5	-42.1	0	44.93	-	-	74	-29.07	-	-	16	183	H
	* 3.69669	48.8	ADR	33.5	-42.1	85	41.04	54	-12.96	-	-	-	-	16	183	H
3	* 7.37255	45.25	PK-U	35.9	-37.8	0	43.35	-	-	74	-30.65	-	-	226	104	H
	* 7.37349	34.51	ADR	35.9	-37.8	85	33.45	54	-20.55	-	-	-	-	226	104	H
4	* 1.59295	64.24	PK-U	28.1	-46.1	0	46.24	-	-	74	-27.76	-	-	323	101	V
	* 1.59771	44.61	ADR	28.1	-46.2	85	27.35	54	-26.65	-	-	-	-	323	101	V
5	3.48205	57.24	PK-U	32.9	-42.2	0	47.84	-	-	74	-29.17	68.2	-20.36	353	267	V
	* 3.69667	53.43	PK-U	33.5	-42.1	0	44.83	-	-	74	-29.17	-	-	10	198	V
	* 3.69668	48.42	ADR	33.5	-42.1	85	40.66	54	-13.34	-	-	-	-	10	198	V
7	* 7.37335	45.28	PK-U	35.9	-37.8	0	43.38	-	-	74	-30.62	-	-	284	348	V
	* 7.37339	34.63	ADR	35.9	-37.8	85	33.57	54	-20.43	-	-	-	-	284	348	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



RADIATED EMISSIONS

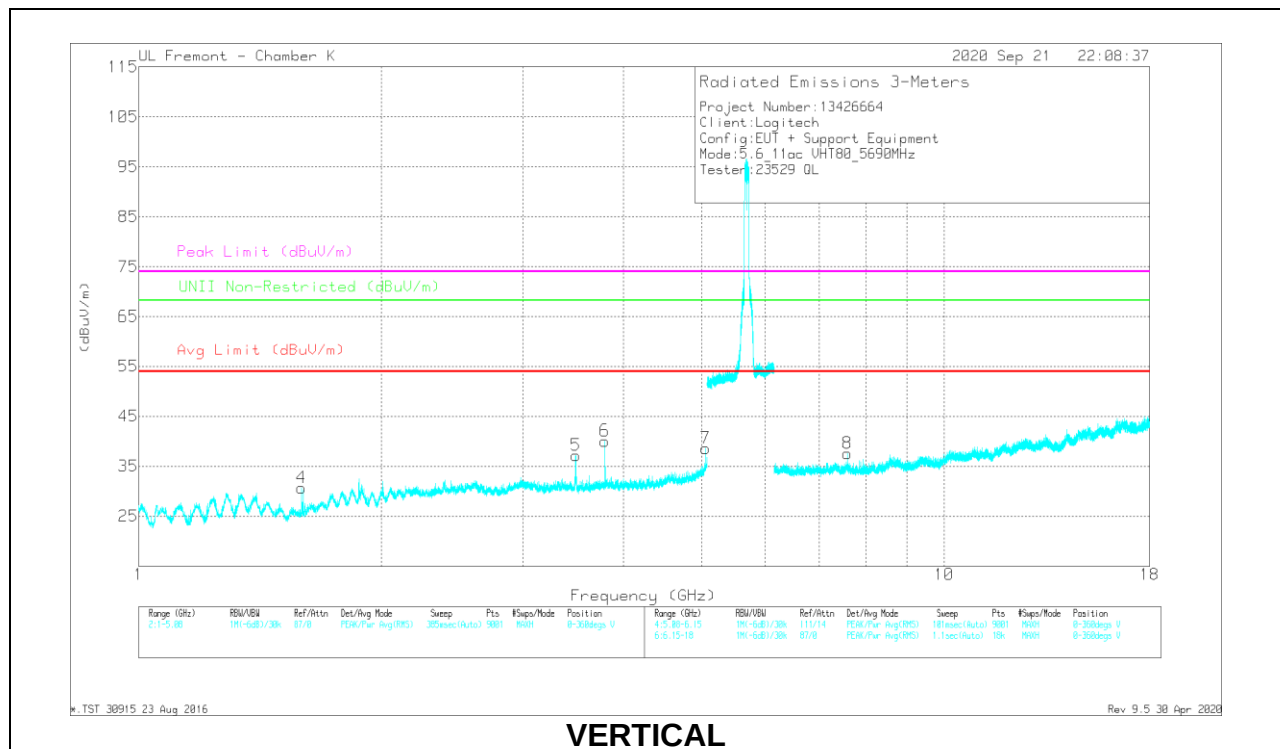
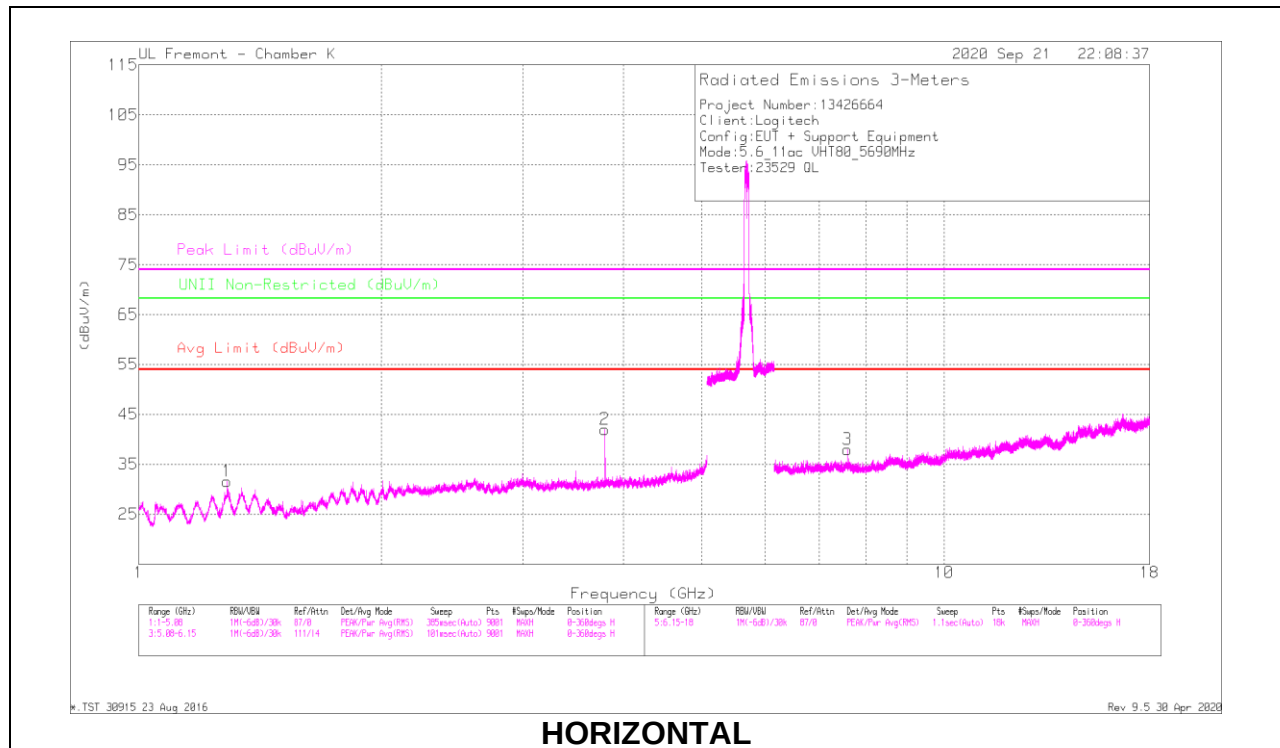
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1	* 1.59281	65.49	PK-U	28.1	-46.1	0	-47.49	-	-	74	-26.52	-	-	90	172	H
	* 1.59653	46.84	ADR	28.1	-46.2	.85	-29.58	54	-24.42	-	-	-	-	90	172	H
2	* 3.74003	53.47	PK-U	33.6	-42.1	0	44.97	-	-	74	-29.03	-	-	14	221	H
	* 3.74003	48.53	ADR	33.6	-42.1	.85	40.87	54	-13.13	-	-	-	-	14	221	H
3	* 4.5797	50.11	PK-U	34.3	-41.3	0	43.11	-	-	74	-30.89	-	-	235	336	H
	* 4.57623	38.08	ADR	34.3	-41.3	.85	31.92	54	-22.08	-	-	-	-	295	336	H
8	* 7.48006	46.58	PK-U	36	-38.2	0	44.38	-	-	74	-29.62	-	-	324	166	H
	* 7.48006	37.19	ADR	36	-38.2	.85	35.83	54	-18.17	-	-	-	-	324	166	H
4	* 1.59777	64.46	PK-U	28.1	-46.2	0	-46.36	-	-	74	-27.64	-	-	236	115	V
	* 1.59381	44.89	ADR	28.1	-46.2	.85	-27.63	54	-26.37	-	-	-	-	296	115	V
5	* 3.48778	55.62	PK-U	32.8	-42.1	0	46.32	-	-	-	-	68.2	-21.88	353	217	V
	* 3.73997	51.66	PK-U	33.6	-42.1	0	43.16	-	-	74	-30.84	-	-	339	186	V
6	* 3.74005	44.96	ADR	33.6	-42.1	.85	37.3	54	-16.7	-	-	-	-	339	186	V
	* 4.58924	49.76	PK-U	34.2	-41.3	0	42.66	-	-	74	-31.34	-	-	236	321	V
7	* 4.58184	39.45	ADR	34.3	-41.3	.85	32.29	54	-21.71	-	-	-	-	236	321	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 138 RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meas Reading (dBm)	Det	AF 1583 (dBm)	Ampl/Cat/HotPad (dB)	DC Corr (dB)	Corrected Reading (dBm)	Avg Limit (dBm)	Margin (dB)	Peak Limit (dBm)	PK Margin (dB)	Limit Non-Restricted (dBm)	PK Margin (dB)	Altitude (m)	Height (m)	Polarity
1	* 1.28923	56.64	PK-U	29.5	-46.6	0	29.54	-	-	74	-34.46	-	-	72	399	H
	* 1.28911	44.81	ADR	29.5	-46.6	.85	28.55	54	-25.45	-	-	-	-	72	399	H
2	* 3.79342	52.95	PK-U	33.6	-42.1	0	44.45	-	-	74	-29.55	-	-	237	99	H
	* 3.79338	46.54	ADR	33.6	-42.1	.85	38.88	54	-15.12	-	-	-	-	237	99	H
3	* 7.58685	46.09	PK-U	36.1	-37.9	0	44.29	-	-	74	-28.71	-	-	228	112	H
	* 7.58674	35.22	ADR	36.1	-37.9	.85	34.26	54	-19.74	-	-	-	-	228	112	H
4	* 1.59525	64.08	PK-U	28.1	-46.2	0	45.98	-	-	74	-28.02	-	-	327	98	V
	* 1.59283	44.85	ADR	28.1	-46.1	.85	27.69	54	-26.31	-	-	-	-	327	98	V
5	* 3.48553	57.49	PK-U	32.9	-42.1	0	48.19	-	-	74	-30.57	68.2	-20.01	355	215	V
6	* 3.7934	51.93	PK-U	33.6	-42.1	0	43.43	-	-	74	-30.57	-	-	340	366	V
	* 3.79339	45.11	ADR	33.6	-42.1	.85	37.45	54	-16.55	-	-	-	-	340	366	V
7	* 5.05771	48.93	PK-U	34.3	-38.2	0	45.03	-	-	74	-28.97	-	-	320	97	V
	* 5.05764	38.51	ADR	34.3	-38.2	.85	35.45	54	-18.55	-	-	-	-	320	97	V
8	* 7.58701	46.46	PK-U	36.1	-37.9	0	44.66	-	-	74	-29.34	-	-	234	135	V
	* 7.58677	34.15	ADR	36.1	-37.9	.85	33.19	54	-20.81	-	-	-	-	234	135	V

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

PK-U - U-NII: Maximum Peak

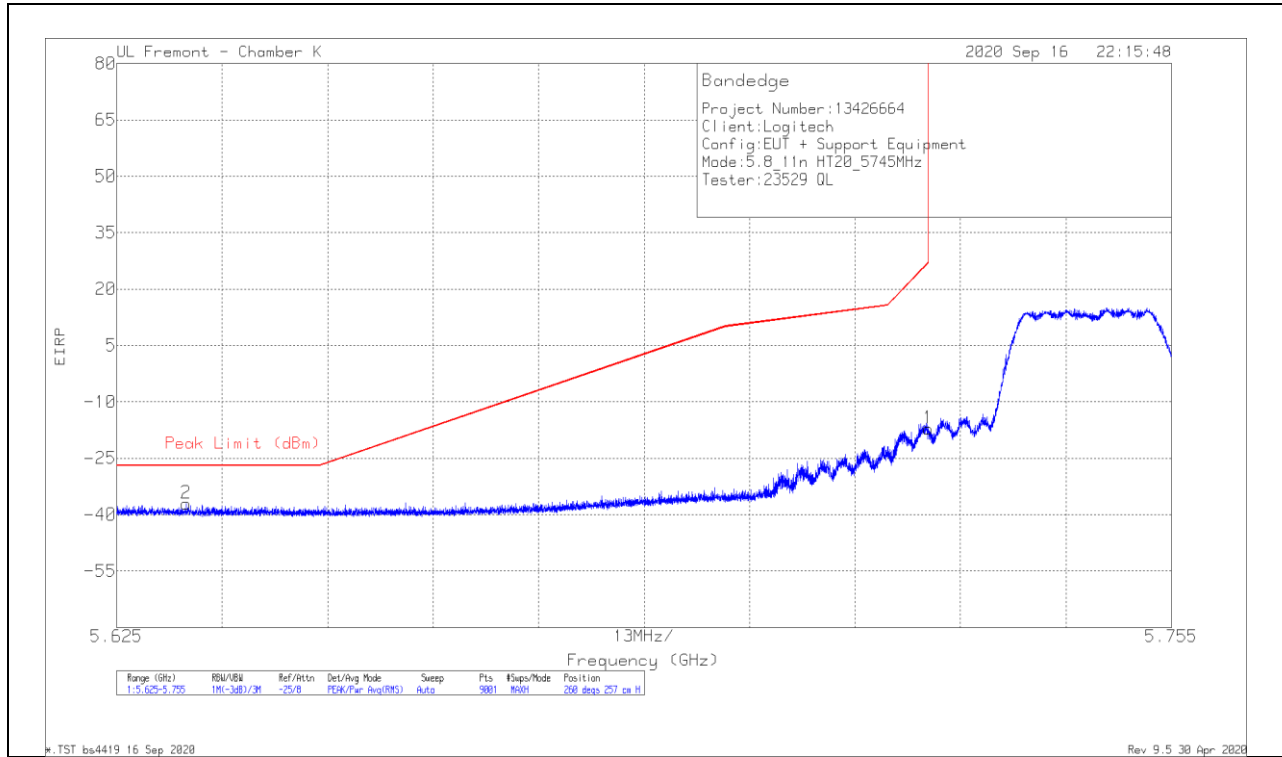
ADR - U-NII AD primary method, RMS average

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

2TX Antenna 1 + Antenna 2 CDD MODE

BANDEDGE (LOW CHANNEL)

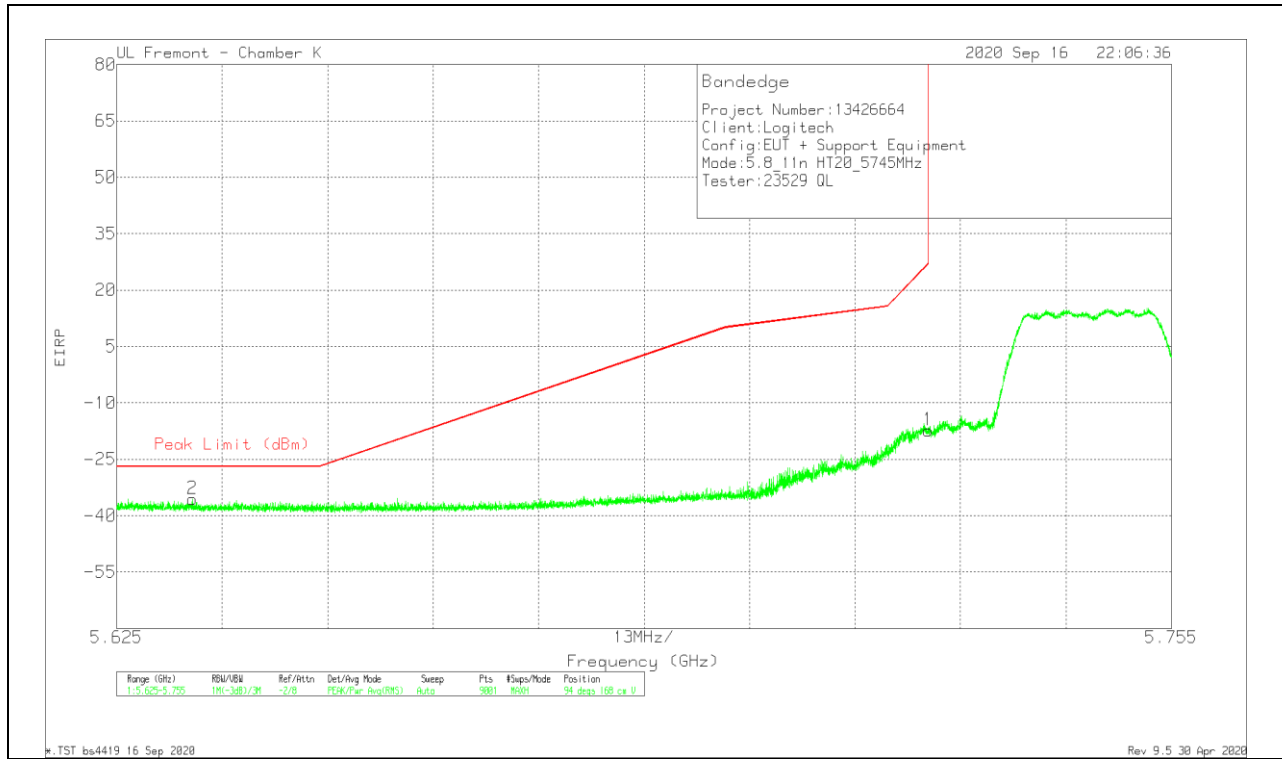
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T863 (dB/m)	Amp/Cb/Filter/Par d (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-57.22	Pk	35.1	-6.8	11.8	-17.12	26.99	-44.11	260	257	H
2	5.63358	-77.43	Pk	35.3	-6.8	11.8	-37.13	-27	-10.13	260	257	H

Pk - Peak detector

VERTICAL RESULT

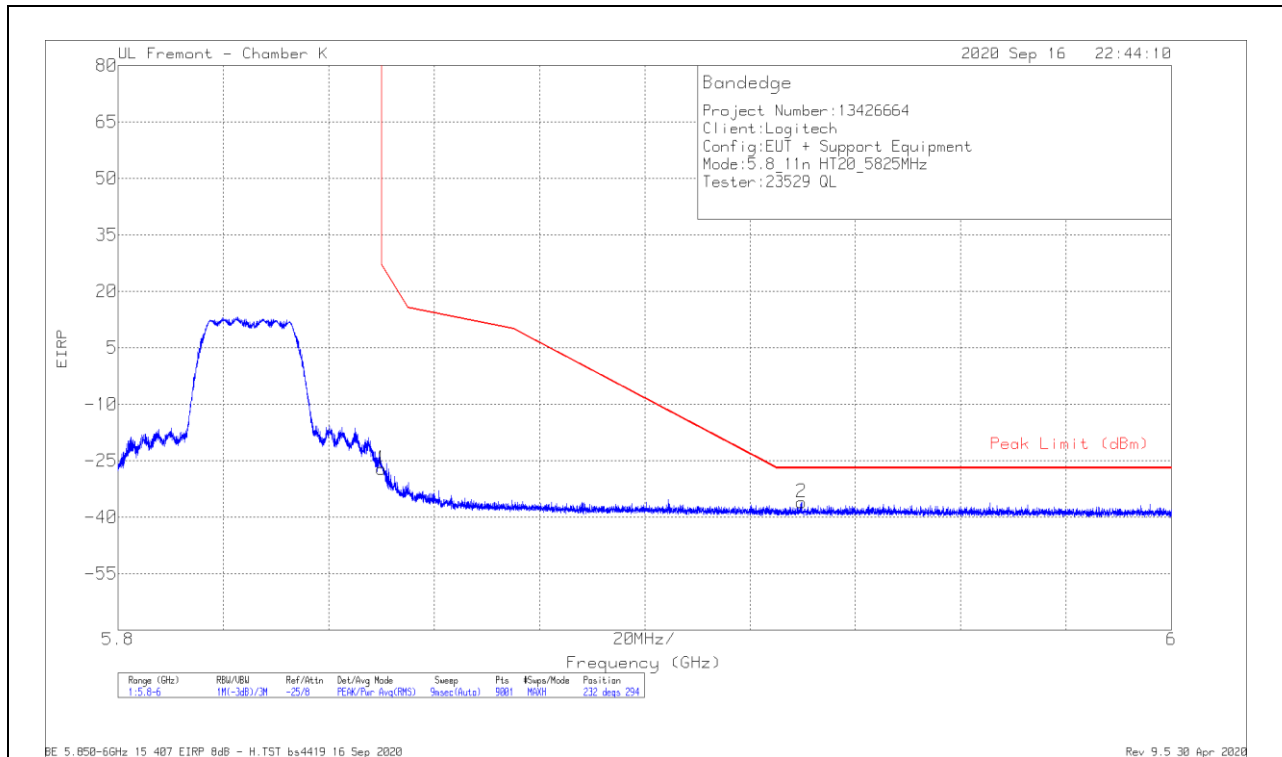


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T863 (dB/m)	Amp/Cbl/Fitr/P ad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-57.47	Pk	35.1	-6.8	11.8	0	-17.37	26.99	-44.36	94	168	V
2	5.63432	-75.89	Pk	35.3	-6.8	11.8	0	-35.59	-27	-8.59	94	168	V

Pk - Peak detector

BANDEDGE (HIGH CHANNEL)

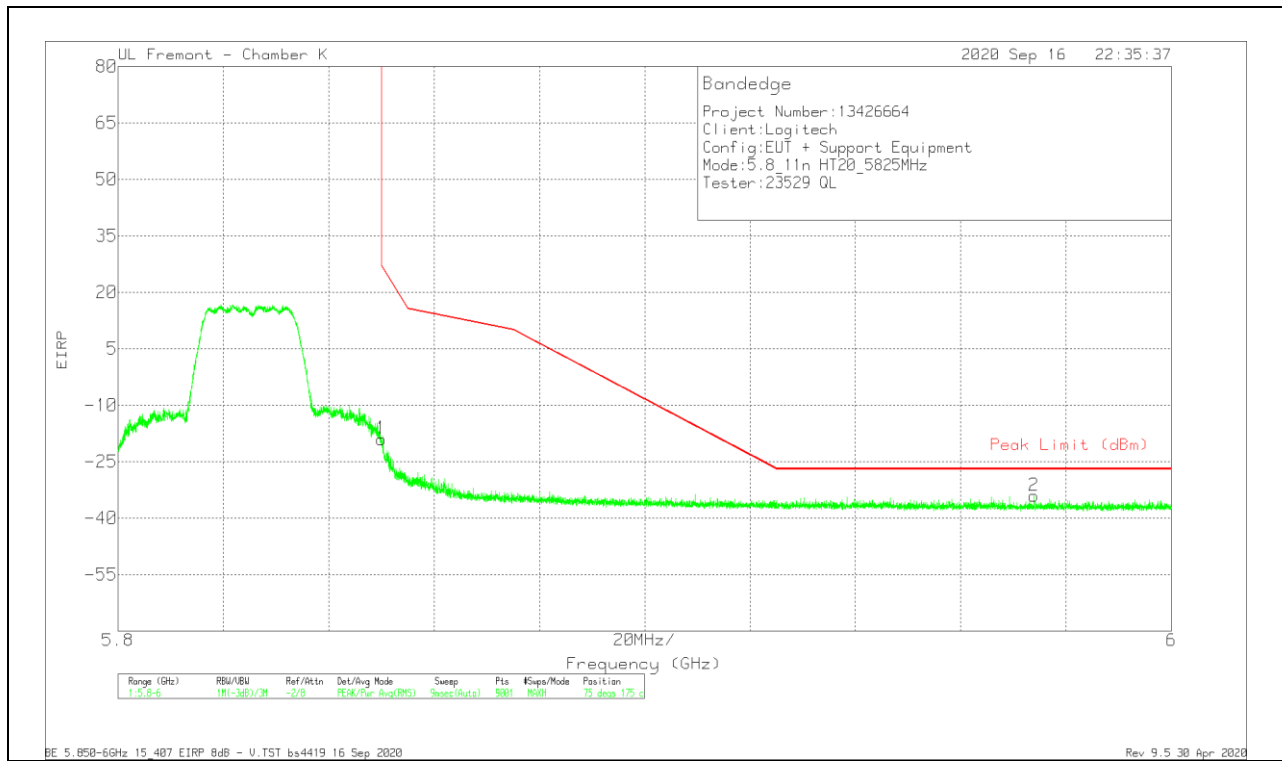
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T863 (dB/m)	Amp/Cbl/Filt/P ad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85002	-67.55	Pk	35.1	-6.5	11.8	0	-27.15	26.95	-54.1	232	294	H
2	5.92978	-76.81	Pk	35.4	-6.4	11.8	0	-36.01	-27	-9.01	232	294	H

Pk - Peak detector

VERTICAL RESULT

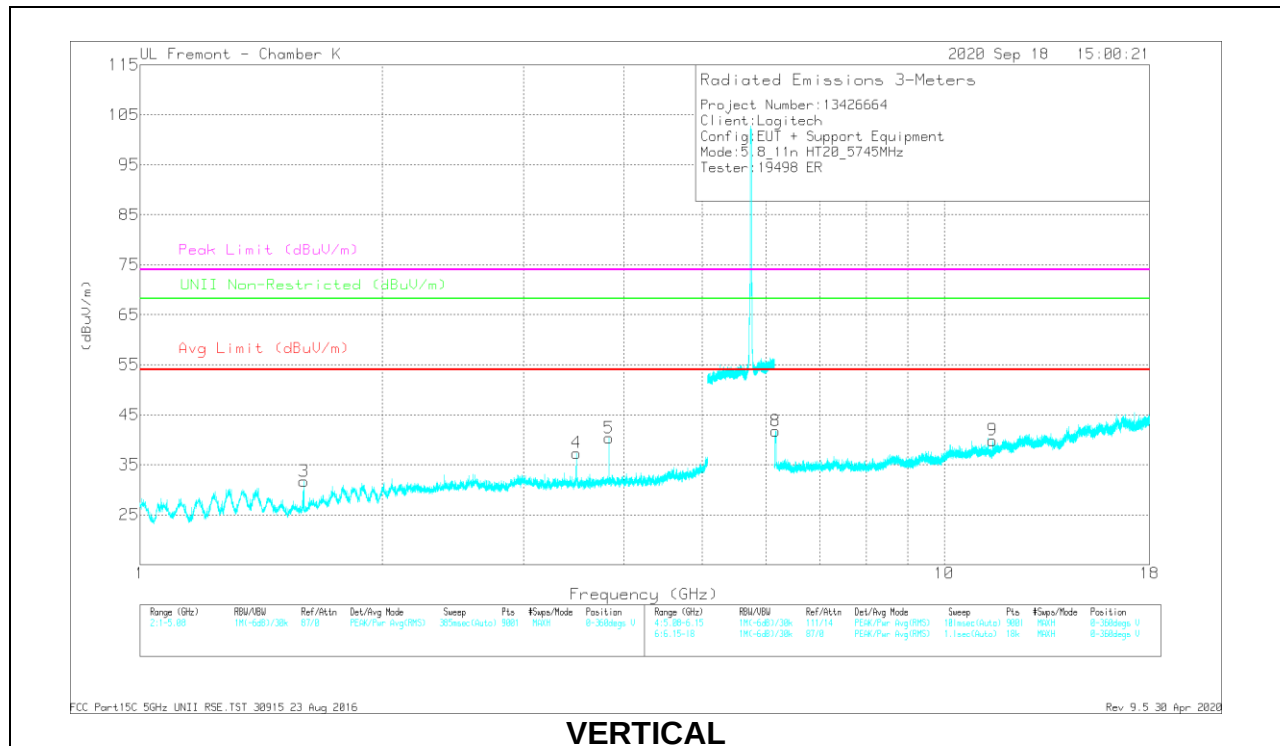
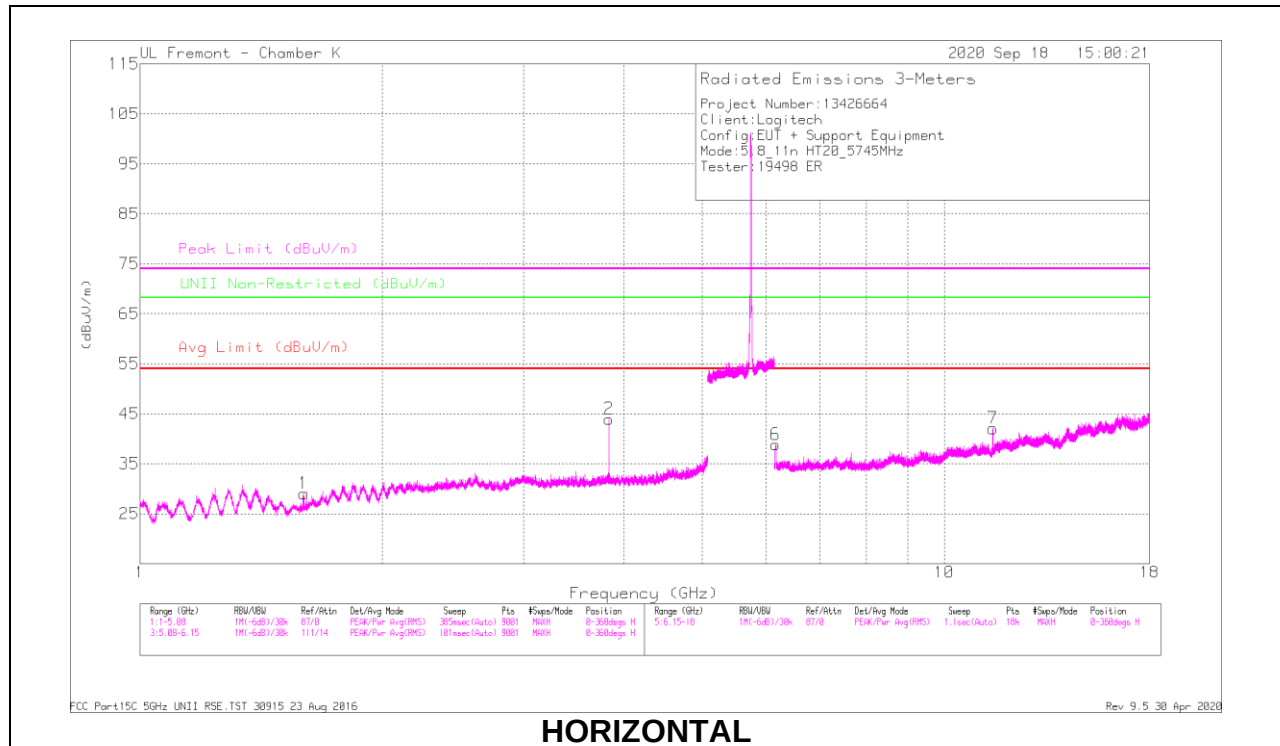


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T863 (dB/m)	Amp/Cbl/Filt/P ad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85002	-59.39	Pk	35.1	-6.5	11.8	0	-18.99	26.95	-45.94	75	175	V
2	5.97391	-74.88	Pk	35.4	-6.4	11.8	0	-34.08	-27	-7.08	75	175	V

Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

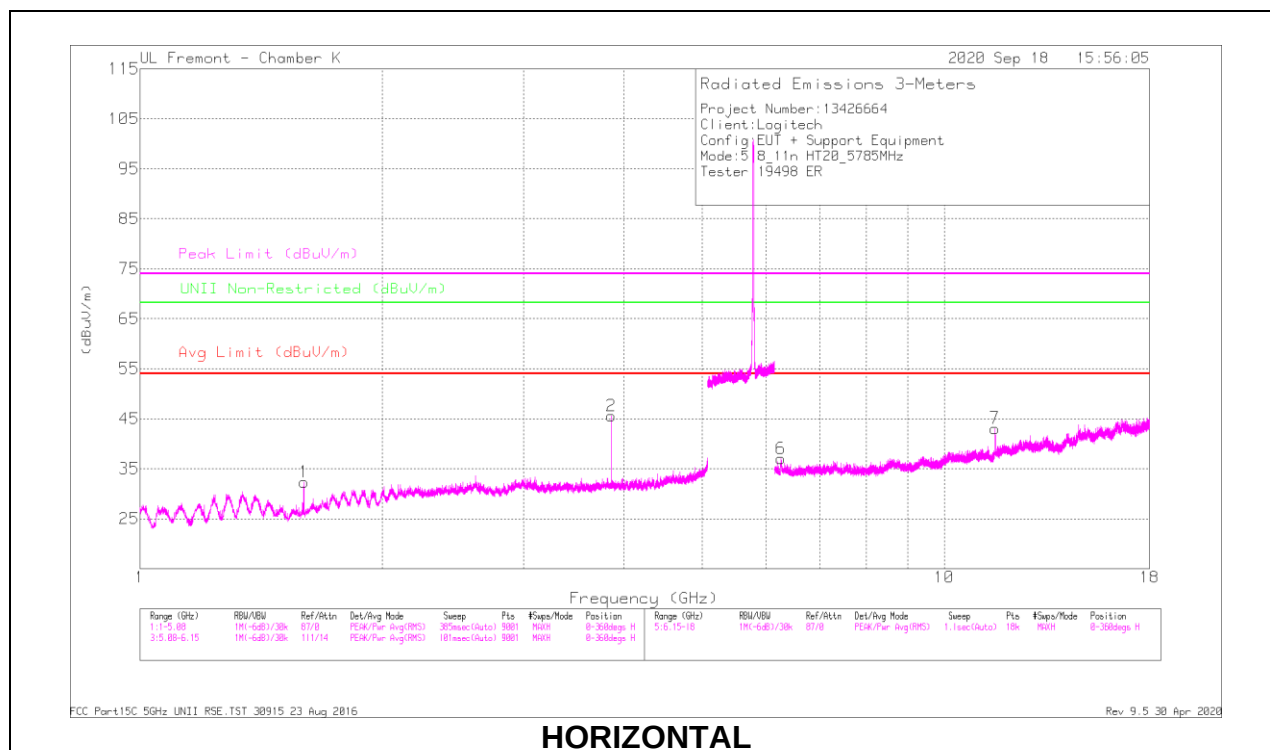
Marker	Frequency (MHz)	Meas Reading (dBuV)	Det	AF 1503 (dBm)	AmpCofrInPsd (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNE Non-Restricted (dBuV/m)	PK Margin (dB)	Altitude (Feet)	Height (m)	Polarity
1	* 1.59203	54.77	PK-U	29.1	-46.1	0	46.77	-	-	74	-27.23	-	-	291	279	H
	* 1.59801	45.05	ADR	29.1	-46.2	-22	27.78	54	-26.22	-	-	-	-	291	279	H
2	* 3.83004	54.43	PK-U	33.5	-42	0	45.93	-	-	74	-28.07	-	-	41	181	H
	* 3.83007	50.46	ADR	33.5	-42	-22	42.19	54	-11.81	-	-	-	-	41	181	H
6	6.17192	52.55	PK-U	35.8	-38.8	0	49.55	-	-	-	-	69.2	-18.66	47	113	H
7	* 11.49411	49.59	PK-U	38.2	-36.4	0	51.39	-	-	74	-22.61	-	-	61	204	H
	* 11.4994	38.94	ADR	38.2	-36.4	-22	40.97	54	-13.03	-	-	-	-	61	204	H
3	* 1.5969	65.11	PK-U	28.1	-46.2	0	47.01	-	-	74	-26.99	-	-	76	206	V
	* 1.59209	44.9	ADR	28.1	-46.1	-22	27.13	54	-26.87	-	-	-	-	76	206	V
4	* 3.88886	57.44	PK-U	32.8	-42.1	0	48.14	-	-	-	-	68.2	-20.06	3	269	V
5	* 3.82986	53.37	PK-U	33.5	-42	0	44.87	-	-	74	-29.13	-	-	10	200	V
	* 3.83006	45.61	ADR	33.5	-42	-22	37.34	54	-16.66	-	-	-	-	10	200	V
8	6.16759	55.04	PK-U	35.8	-38.8	0	52.04	-	-	-	-	69.2	-16.16	63	182	V
9	* 11.49445	48.23	PK-U	38.2	-36.4	0	50.03	-	-	74	-23.97	-	-	354	264	V
	* 11.49945	37.14	ADR	38.2	-36.5	-22	39.07	54	-14.93	-	-	-	-	354	264	V

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

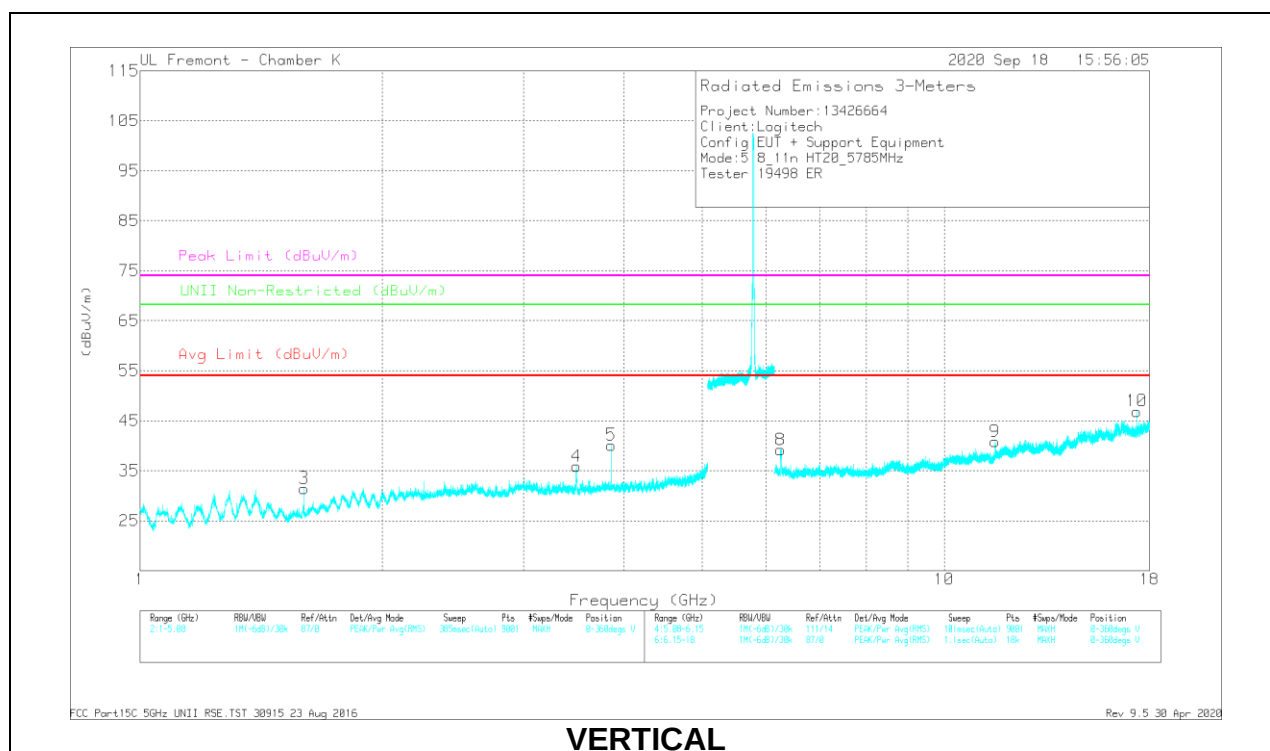
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

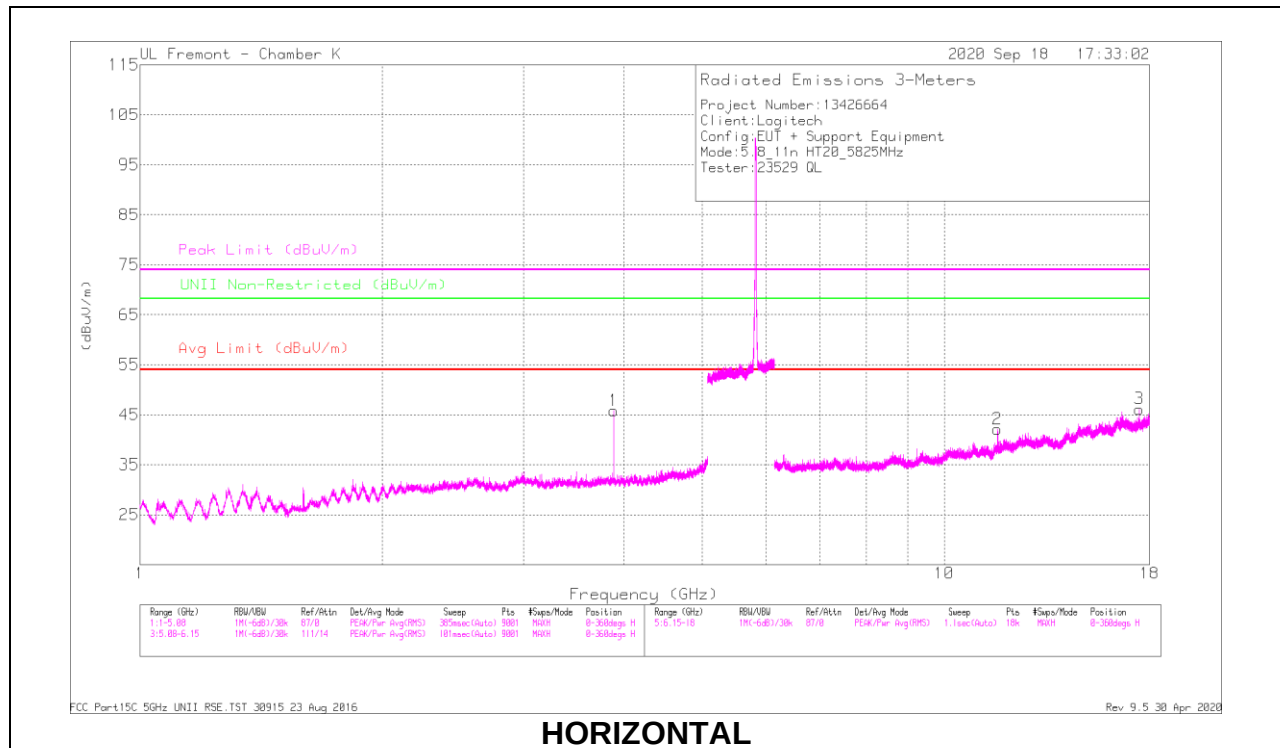
Marker	Frequency (GHz)	Meter Read (µV/dBm)	Det	AF 158.3 (dBm)	Amplitude (µV)	DC Corr (dB)	Corrected Read (µV/dBm)	Avg Limit (dBm)	Margin (dB)	Peak Limit (dBm)	PK Margin (dB)	Unit Read (µV/dBm)	PK Margin (dB)	Antenna (dBi)	Height (m)	Polarity
1	* 1.59676	66.45	PK-U	28.1	-46.2	0	48.35	-	-	74	-25.65	-	-	283	268	H
	* 1.59338	46.9	ADR	28.1	-46.1	22	29.13	54	-24.87	-	-	-	-	283	268	H
2	* 3.85675	55.79	PK-U	33.6	-41.9	0	44.89	-	-	74	-26.51	-	-	21	181	H
	* 3.85673	52.94	ADR	33.6	-41.9	22	44.87	54	-9.13	-	-	-	-	21	181	H
6	6.2614	49.63	PK-U	35.8	-39	0	48.43	-	-	-	-	68.2	-21.77	274	175	H
7	* 11.56949	50.24	PK-U	38.3	-36.2	0	52.34	-	-	74	-21.66	-	-	68	225	H
	* 11.57219	38.03	ADR	38.4	-36.2	22	40.46	54	-13.54	-	-	-	-	68	225	H
3	* 1.59475	66.79	PK-U	28.1	-46.2	0	48.69	-	-	74	-25.31	-	-	0	195	V
	* 1.59729	44.01	ADR	28.1	-46.2	22	26.14	54	-27.86	-	-	-	-	0	195	V
4	3.48748	54.77	PK-U	32.8	-42.1	0	45.47	-	-	-	-	68.2	-22.73	300	325	V
5	* 3.85677	52.62	PK-U	33.6	-41.9	0	44.32	-	-	74	-29.68	-	-	6	404	V
	* 3.85673	47.66	ADR	33.6	-41.9	22	39.59	54	-14.41	-	-	-	-	6	404	V
8	6.26236	52.82	PK-U	35.8	-39	0	49.62	-	-	-	-	68.2	-16.58	335	196	V
9	* 11.57213	48.35	PK-U	38.4	-36.2	0	50.56	-	-	74	-23.45	-	-	124	238	V
	* 11.5724	36.45	ADR	38.3	-36.2	22	38.78	54	-15.22	-	-	-	-	124	238	V
10	17.35653	47.47	PK-U	41.7	-32.3	0	56.87	-	-	-	-	68.2	-11.33	136	150	V

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

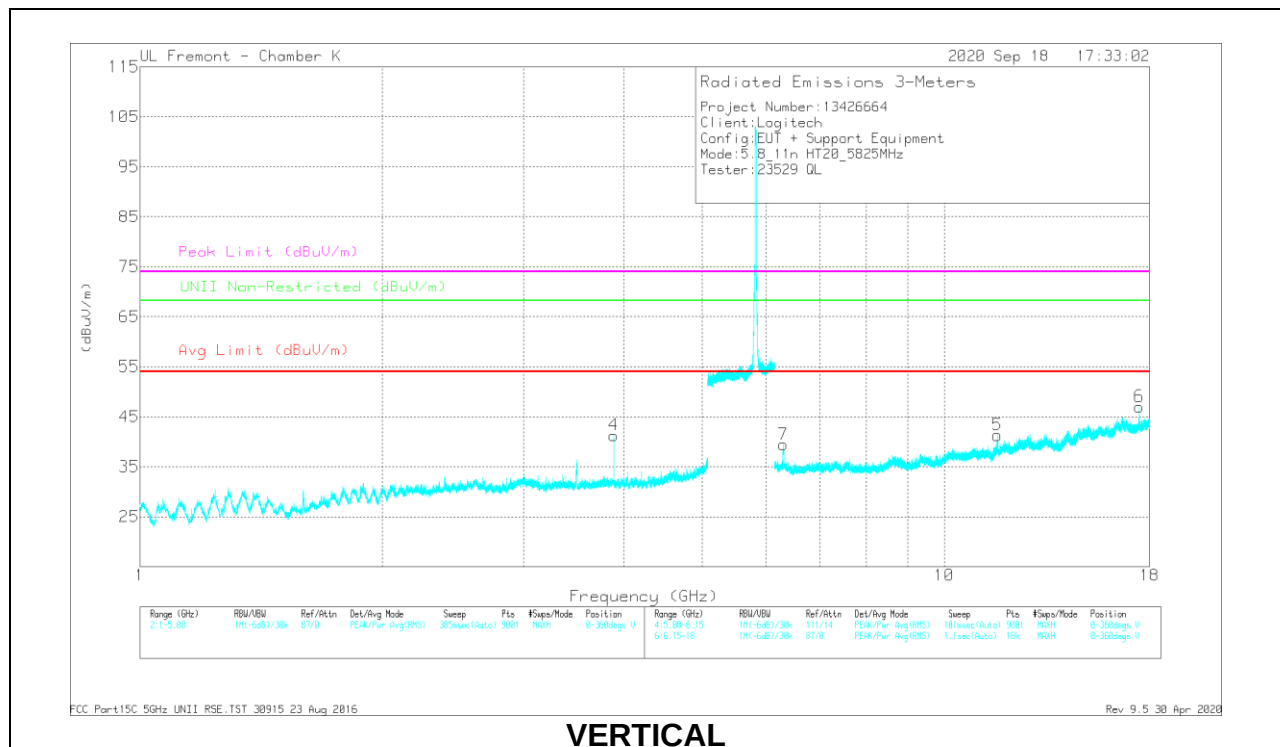
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meas Reading (dBuV)	Det	AF 1503 (dBm)	AmpCofFmPsd (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNE Non-Restricted (dBuV/m)	PK Margin (dB)	Altitude (Feet)	Height (m)	Polarity
1	* 3.88235	56.53	PK-U	33.6	-41.8	0	49.33	-	-	74	-25.67	-	-	18	196	H
	* 3.8834	52.9	ADR	33.6	-41.8	-22	44.93	54	-9.07	-	-	-	-	18	196	H
2	* 11.64938	49	PK-U	38.5	-35.7	0	51.8	-	-	74	-22.2	-	-	17	189	H
	* 11.64941	37.77	ADR	38.5	-35.7	-22	40.8	54	-13.2	-	-	-	-	17	189	H
3	17.4716	43.19	PK-U	42	-32	0	53.19	-	-	-	-	68.2	-14.41	142	109	H
4	* 3.88348	53.06	PK-U	33.6	-41.8	0	45.46	-	-	74	-28.54	-	-	327	145	V
	* 3.8834	50.26	ADR	33.6	-41.8	-22	42.29	54	-11.71	-	-	-	-	327	145	V
7	6.3131	51.87	PK-U	35.8	-38.8	0	48.87	-	-	-	-	68.2	-19.33	334	187	V
5	* 11.64951	49.07	PK-U	38.5	-35.7	0	51.87	-	-	74	-22.13	-	-	251	224	V
	* 11.65235	36.39	ADR	38.4	-35.8	-22	39.22	54	-14.78	-	-	-	-	251	224	V
6	17.47409	47.24	PK-U	42	-32	0	57.24	-	-	-	-	68.2	-10.96	126	177	V

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

PK-U - U-NII: Maximum Peak

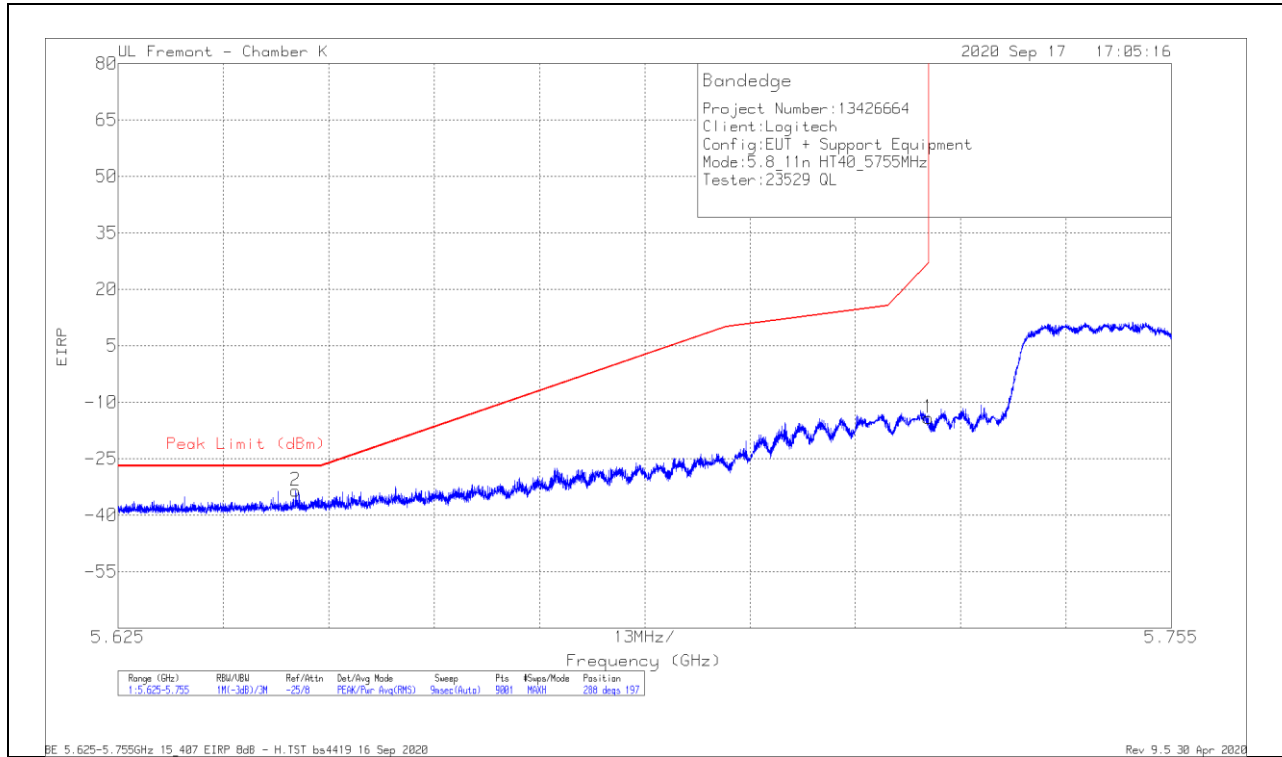
ADR - U-NII AD primary method, RMS average

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

2TX Antenna 1 + Antenna 2 CDD MODE

BANDEDGE (LOW CHANNEL)

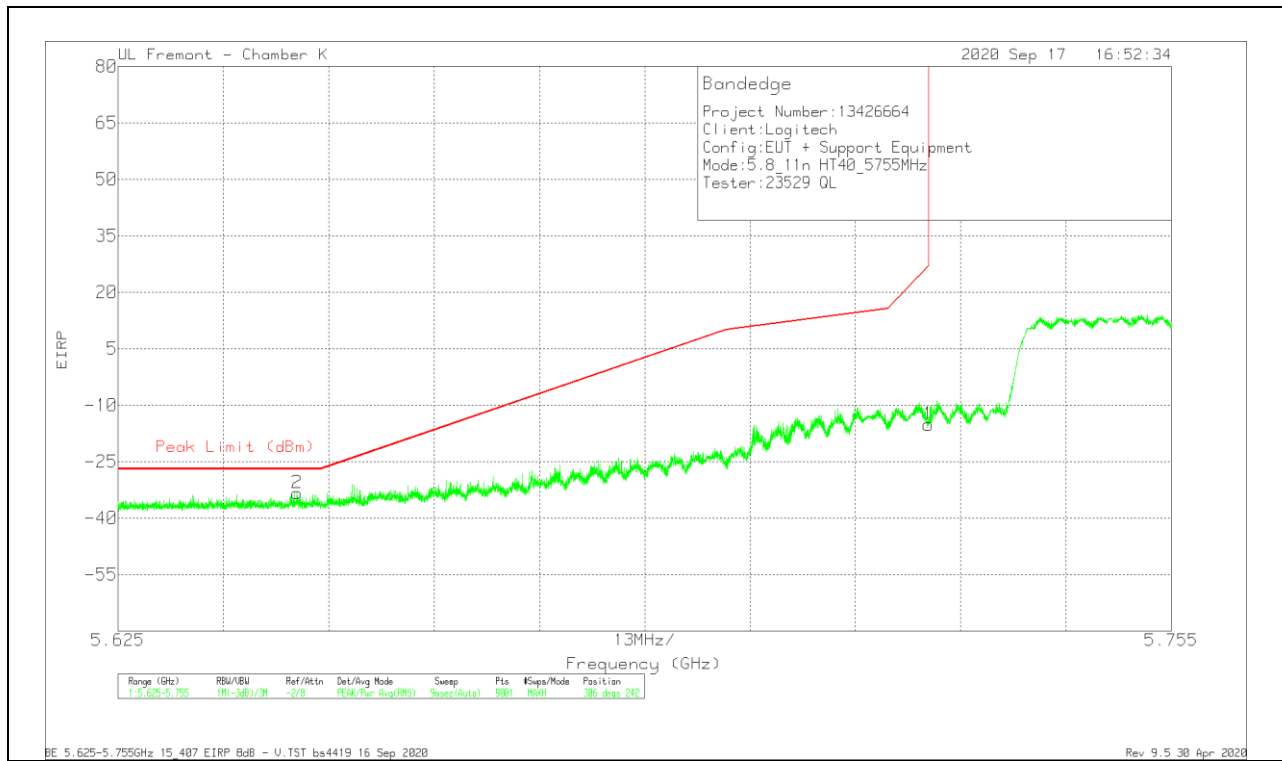
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-54.24	Pk	35.1	-6.8	11.8	0	-14.14	26.99	-41.13	288	197	H
2	5.6469	-73.79	Pk	35.3	-6.8	11.8	0	-33.49	-27	-6.49	288	197	H

Pk - Peak detector

VERTICAL RESULT

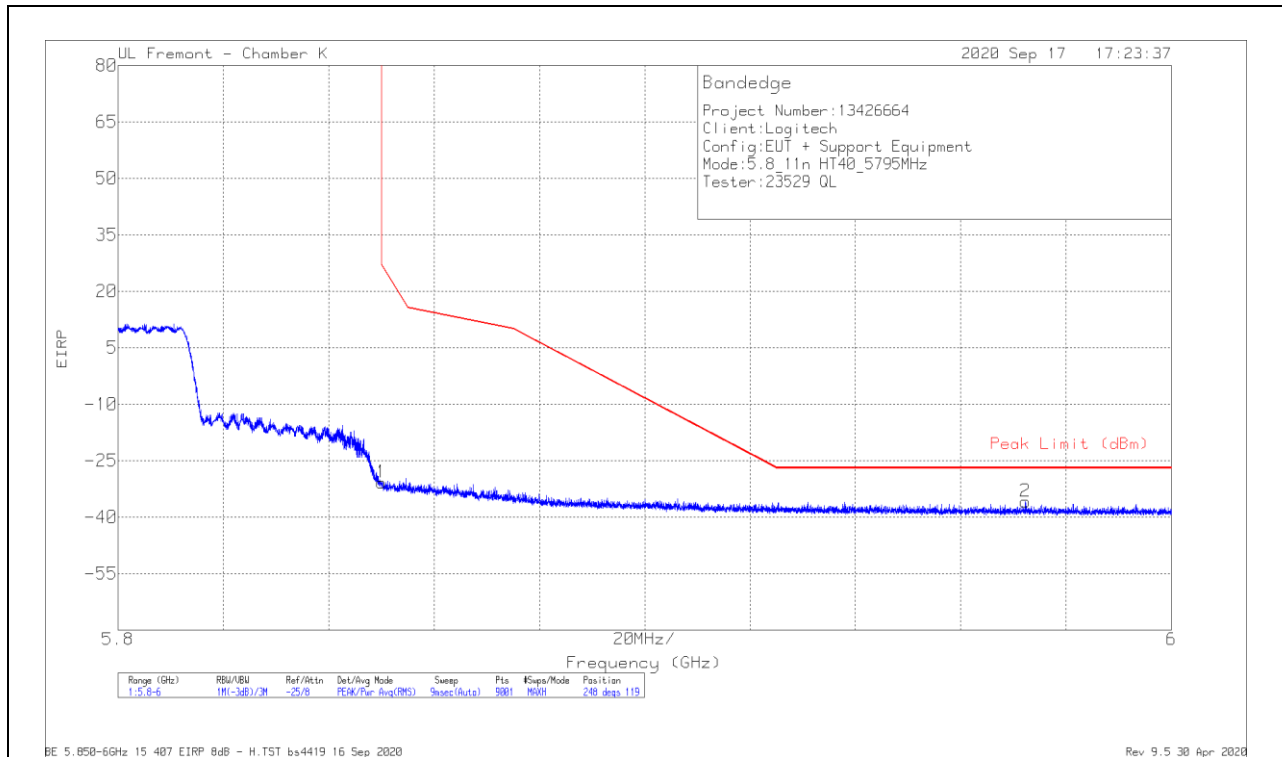


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T863 (dB/m)	Amp/Cbl/Filr/P ad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-55.25	Pk	35.1	-6.8	11.8	0	-15.15	26.99	-42.14	306	242	V
2	5.64708	-73.68	Pk	35.3	-6.8	11.8	0	-33.38	-27	-6.38	306	242	V

Pk - Peak detector

BANDEDGE (HIGH CHANNEL)

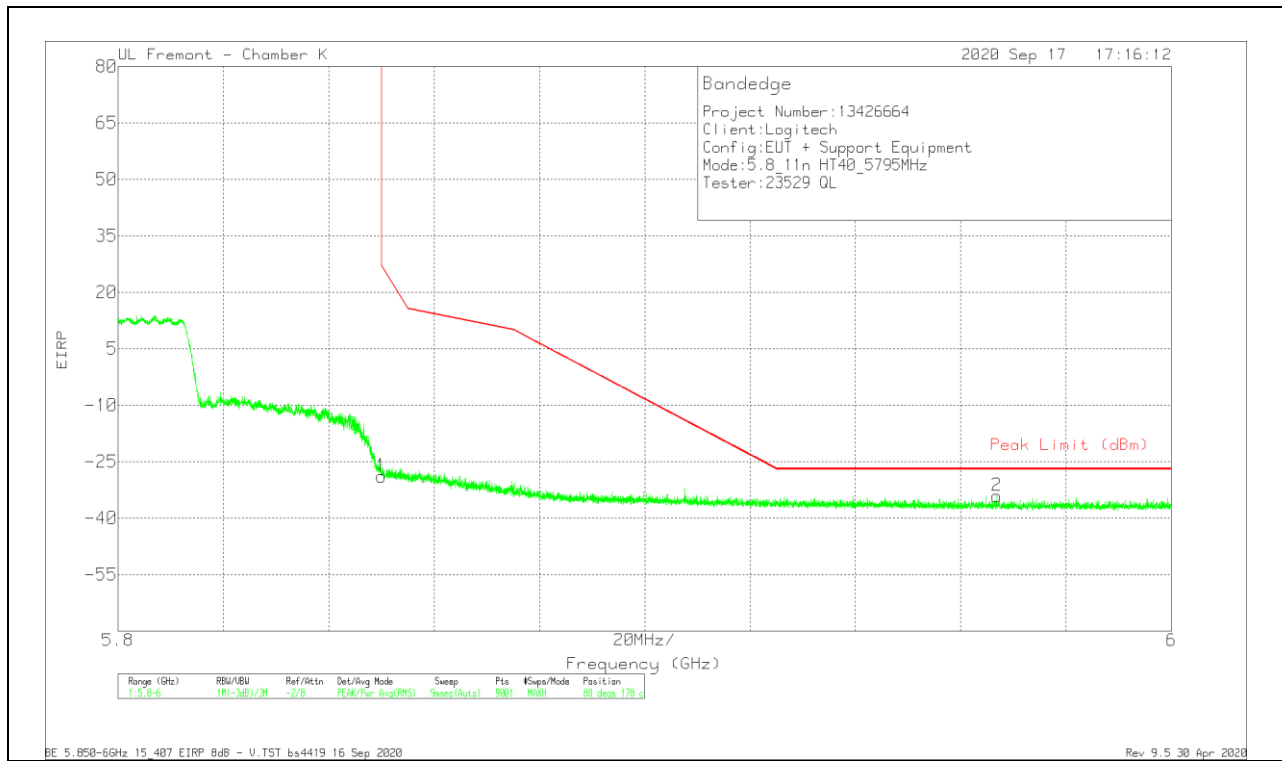
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T863 (dB/m)	Amp/Cbl/Ftr/P ad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85002	-71.25	Pk	35.1	-6.5	11.8	0	-30.85	26.95	-57.8	248	119	H
2	5.97229	-76.68	Pk	35.3	-6.3	11.8	0	-35.88	-27	-8.88	248	119	H

Pk - Peak detector

VERTICAL RESULT

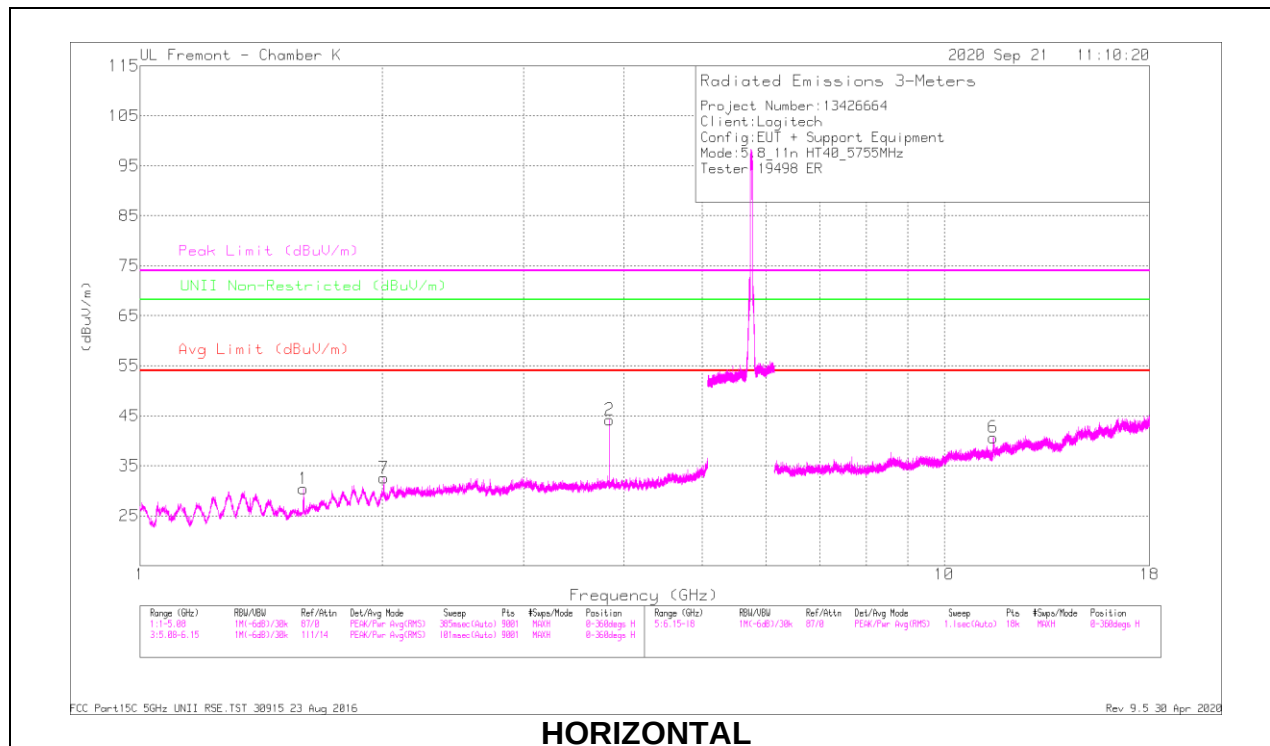


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T863 (dBm)	Ampl/Cbl/Fitr /Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degrees)	Height (cm)	Polarity
1	5.85002	-69.27	Pk	35.1	-6.5	11.8	0	-28.87	26.95	-55.82	88	178	V
2	5.96684	-74.94	Pk	35.4	-6.4	11.8	0	-34.14	-27	-7.14	88	178	V

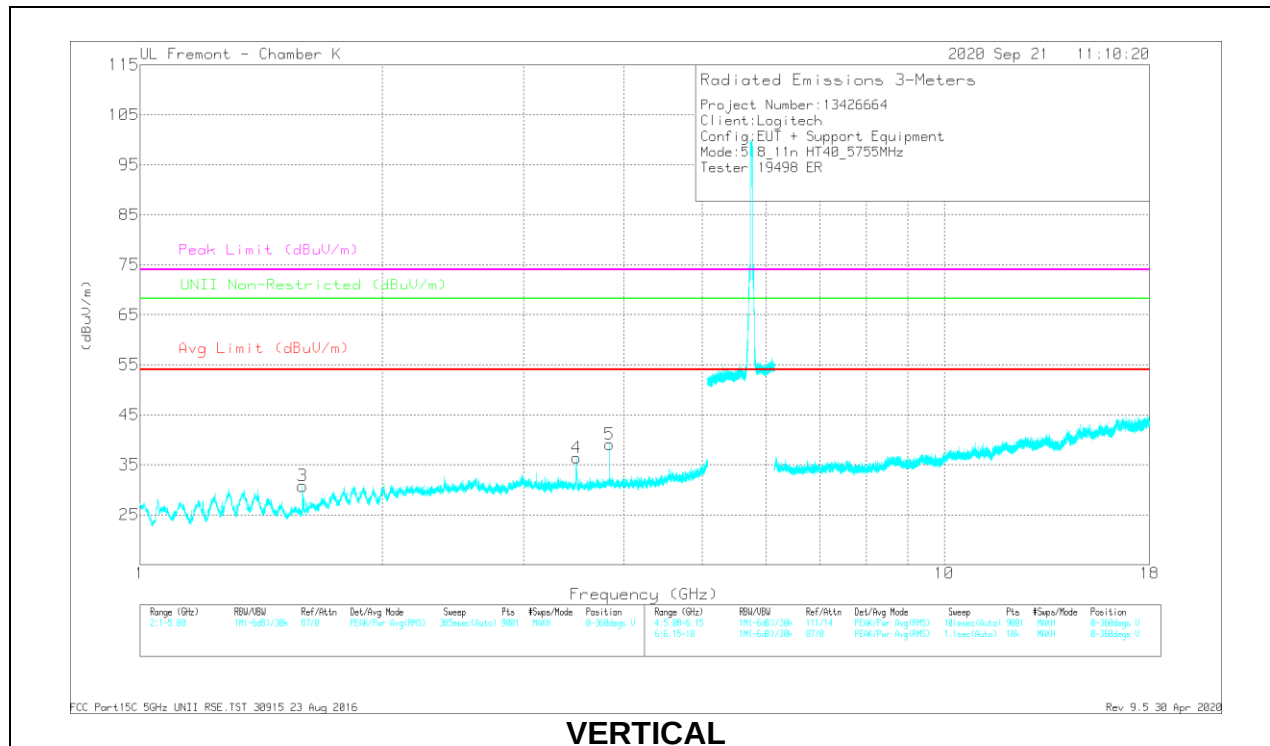
Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

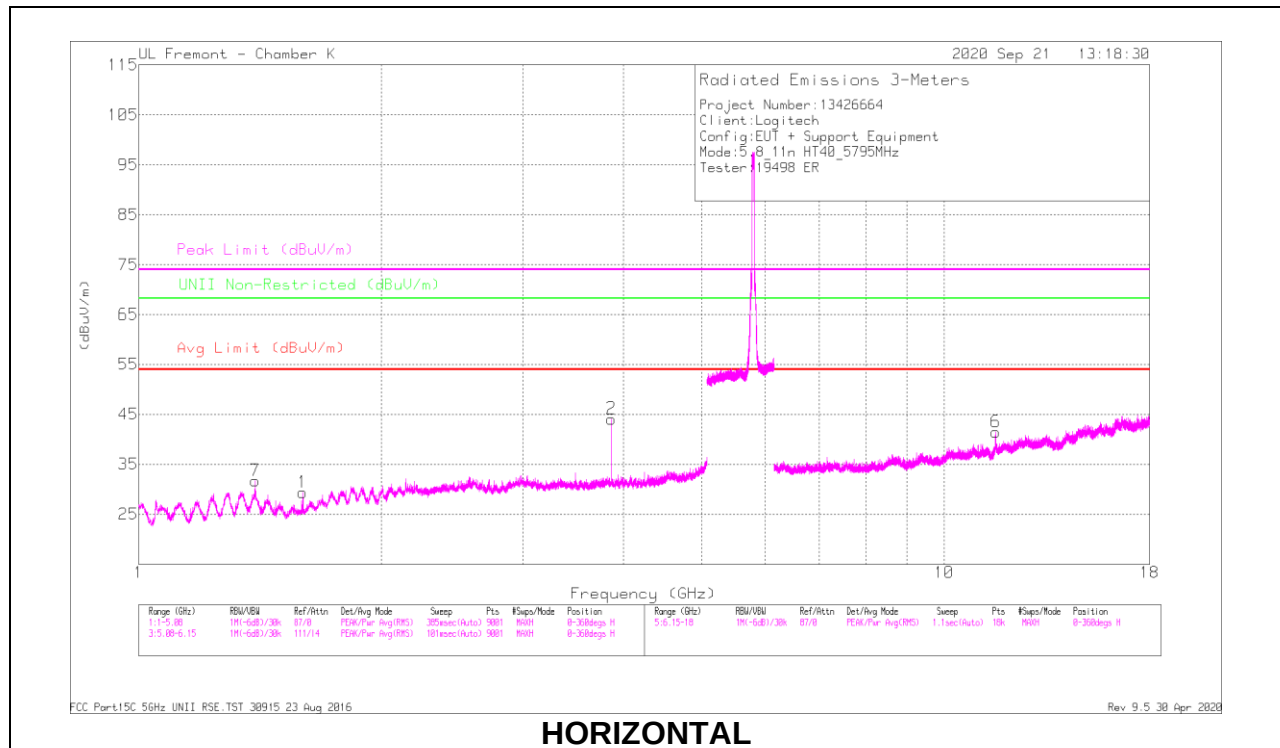
Marker	Frequency (GHz)	Meas Reading (dBm)	Det	AF 1583 (dBm)	AmpCdnFtrPad (dB)	DC Corr (dB)	Corrected Reading (dBm)	Avg Limit (dBm)	Margin (dB)	Peak Limit (dBm)	PK Margin (dB)	UNE Non-Restricted (dBm)	PK Margin (dB)	Altitude (Feet)	Height (m)	Polarity
1	* 1.59053	63.21	PK-U	29.1	-46.2	0	45.11	-	-	74	-28.89	-	-	21	143	H
	* 1.59814	44.44	ADR	29.1	-46.2	.44	26.78	54	-27.22	-	-	-	-	21	143	H
7	2.00962	53.5	PK-U	31.3	-45.9	0	38.9	-	-	-	-	68.2	-29.3	35	103	H
2	* 3.83668	54.97	PK-U	33.5	-42	0	46.47	-	-	74	-27.53	-	-	19	195	H
	* 3.83673	51.32	ADR	33.5	-42	.44	43.26	54	-30.74	-	-	-	-	19	195	H
6	* 11.50988	48.8	PK-U	38.2	-36.4	0	50.6	-	-	74	-23.4	-	-	102	100	H
	* 11.51207	36.94	ADR	38.3	-36.4	.44	39.28	54	-14.72	-	-	-	-	102	100	H
3	* 1.59307	63.97	PK-U	28.1	-46.1	0	45.97	-	-	74	-28.03	-	-	349	400	V
	* 1.59504	44.81	ADR	28.1	-46.2	.44	27.15	54	-26.85	-	-	-	-	349	400	V
4	3.48459	54.24	PK-U	32.8	-42.1	0	44.94	-	-	-	-	68.2	-23.26	360	218	V
5	* 3.83672	52.36	PK-U	33.5	-42	0	43.86	-	-	74	-30.14	-	-	12	385	V
	* 3.83672	47.21	ADR	33.5	-42	.44	39.15	54	-14.85	-	-	-	-	12	385	V

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

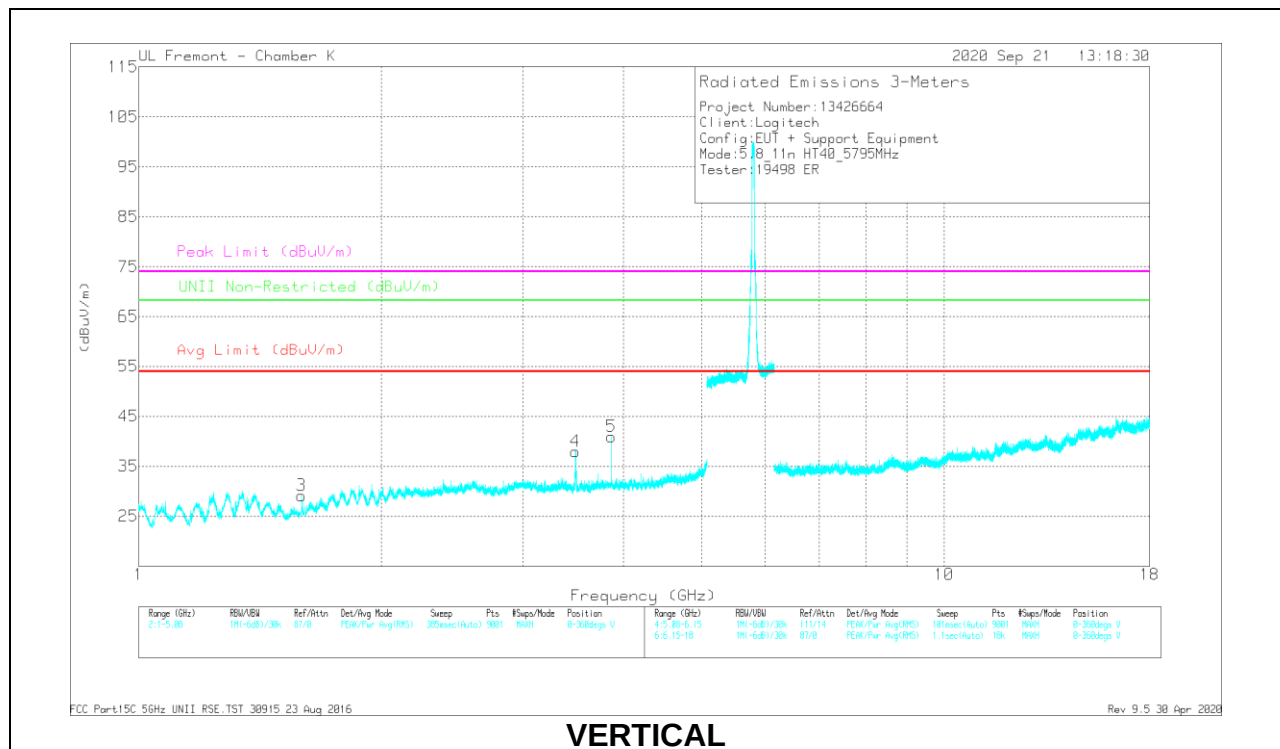
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

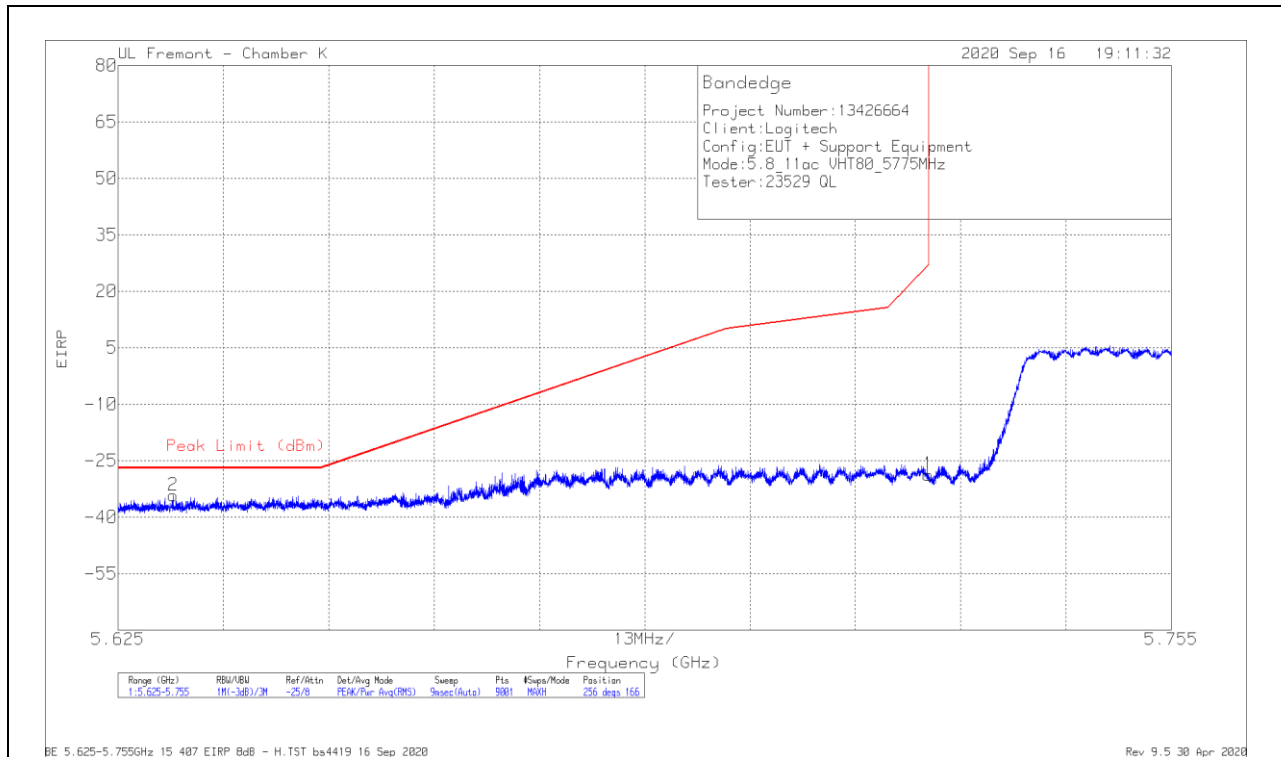
Marker	Frequency (GHz)	Meas Reading (dBµV)	Det	AF 1003 (dBm)	AmpCoef(Peak) (dB)	DC Corr (dB)	Corrected Reading (dBµV/m)	Avg Limit (dBµV/m)	Margin (dB)	Peak Limit (dBµV/m)	PK Margin (dB)	UNE Non-Restricted (dBµV/m)	PK Margin (dB)	Altitude (Feet)	Height (m)	Polarity
7	* 1.99272	52.54	PK-U	29	-46.4	0	45.14	-	-	74	-28.86	-	-	93	306	H
	* 1.99432	45.12	ADR	29	-46.4	.44	28.16	54	-25.84	-	-	-	-	93	306	H
1	* 1.594	66.16	PK-U	28.1	-46.2	0	48.06	-	-	74	-25.94	-	-	106	296	H
	* 1.59448	45.98	ADR	28.1	-46.2	.44	28.32	54	-25.68	-	-	-	-	106	296	H
2	* 3.8634	55.01	PK-U	33.5	-41.8	0	46.71	-	-	74	-27.29	-	-	61	179	H
	* 3.86339	51.64	ADR	33.5	-41.8	.44	43.78	54	-10.22	-	-	-	-	61	179	H
6	* 11.59135	48.02	PK-U	38.3	-36.1	0	50.22	-	-	74	-23.78	-	-	50	189	H
	* 11.5969	36.52	ADR	38.3	-36.1	.44	39.16	54	-14.84	-	-	-	-	50	189	H
3	* 1.59487	65.05	PK-U	28.1	-46.2	0	46.85	-	-	74	-27.05	-	-	267	238	V
	* 1.59484	46.26	ADR	28.1	-46.2	.44	28.6	54	-25.4	-	-	-	-	267	238	V
4	3.4852	56.41	PK-U	32.8	-42.1	0	47.11	-	-	-	-	68.2	-21.09	352	269	V
5	* 3.8634	53.96	PK-U	33.5	-41.8	0	45.66	-	-	74	-28.34	-	-	328	164	V
	* 3.8634	49.28	ADR	33.5	-41.8	.44	41.42	54	-12.58	-	-	-	-	328	164	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

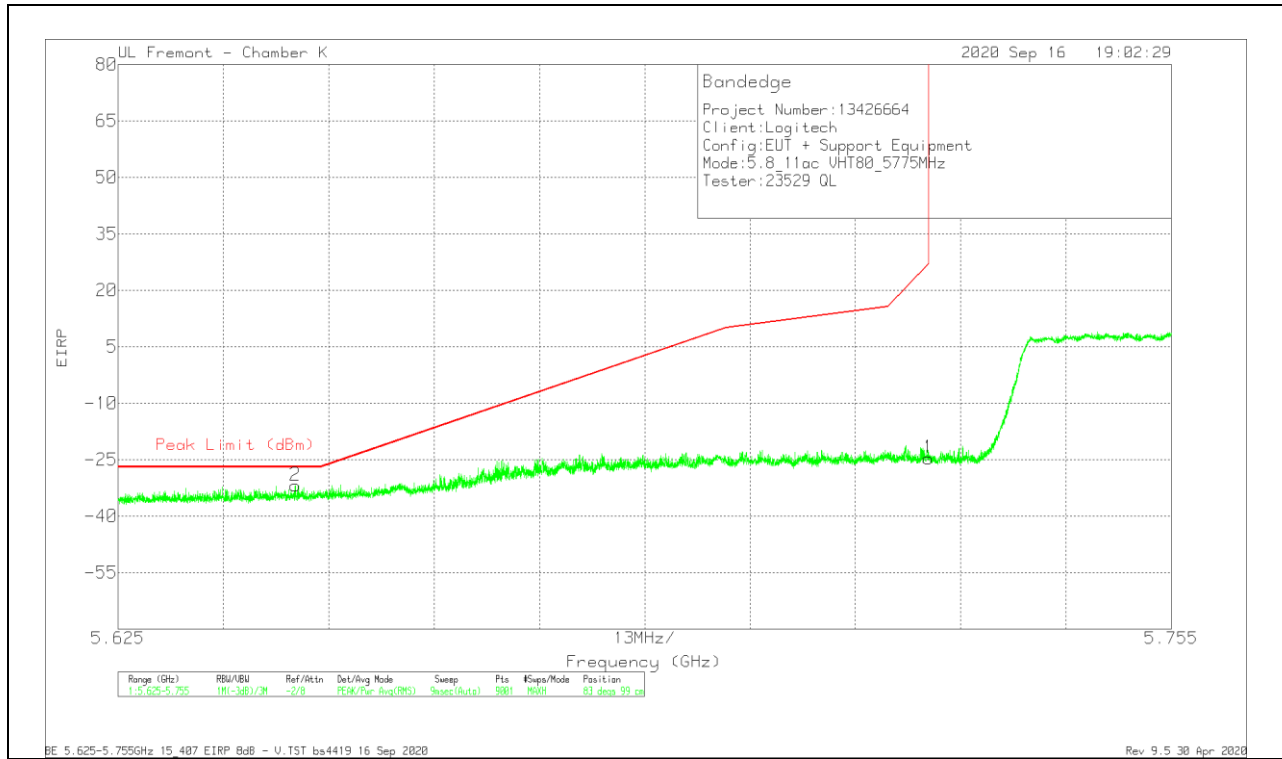
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-68.86	Pk	35.1	-6.8	11.8	0	-28.76	26.99	-55.75	256	166	H
2	5.63179	-74.56	Pk	35.3	-6.8	11.8	0	-34.26	-27	-7.26	256	166	H

Pk - Peak detector

VERTICAL RESULT

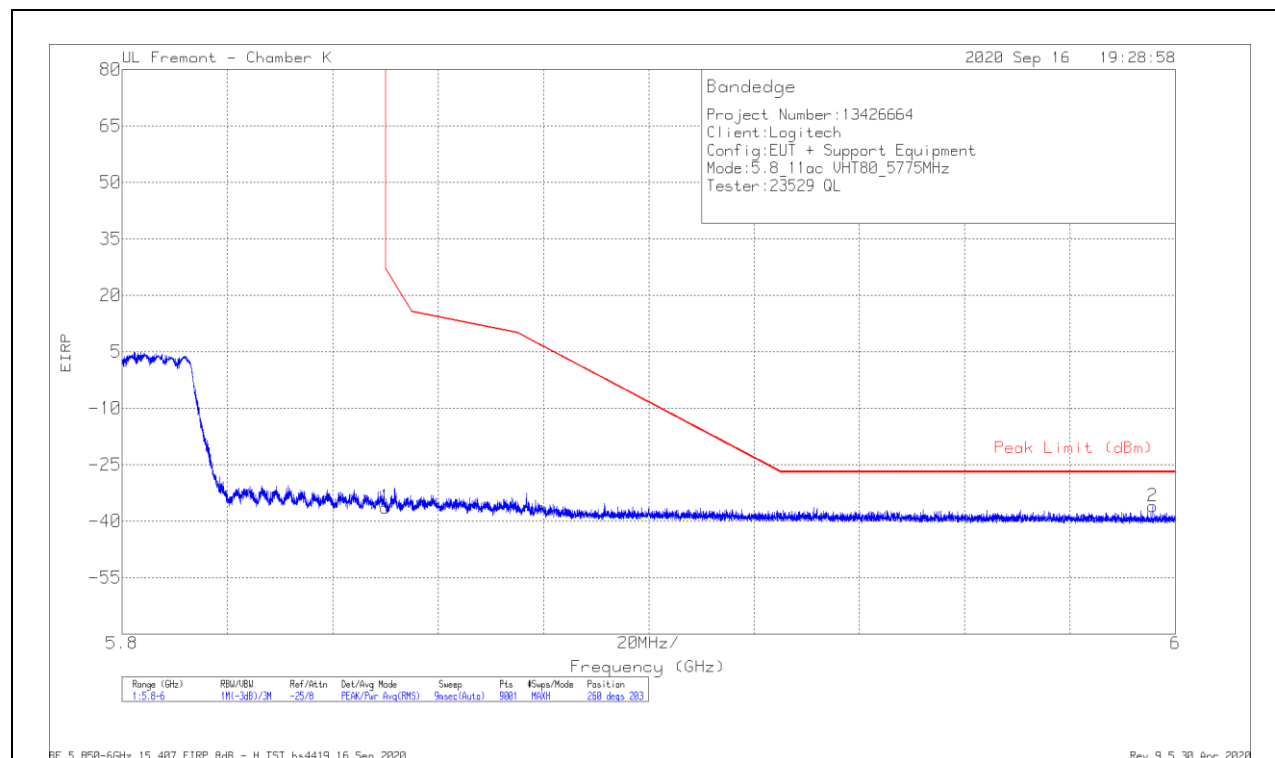


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T863 (dB/m)	Amp/Cbl/Filt/P ad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-64.68	Pk	35.1	-6.8	11.8	0	-24.58	26.99	-51.57	83	99	V
2	5.64687	-72.18	Pk	35.3	-6.8	11.8	0	-31.88	-27	-4.88	83	99	V

Pk - Peak detector

BANDEDGE (CHANNEL 155 HIGH EDGE)

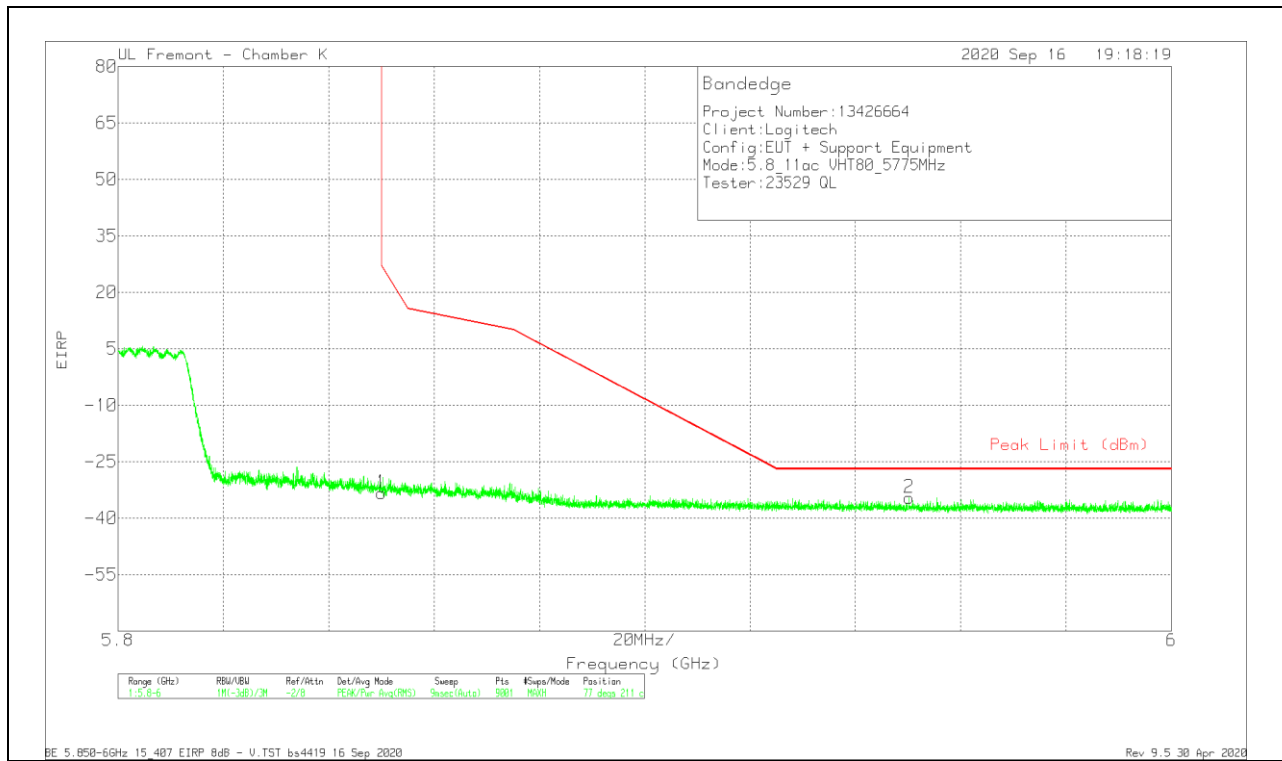
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T863 (dB/m)	Amp/Cbl/Filt/P ad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85002	-76.77	Pk	35.1	-6.5	11.8	0	-36.37	26.95	-63.32	260	203	H
2	5.99571	-77.06	Pk	35.4	-6.2	11.8	0	-36.06	-27	-9.06	260	203	H

Pk - Peak detector

VERTICAL RESULT

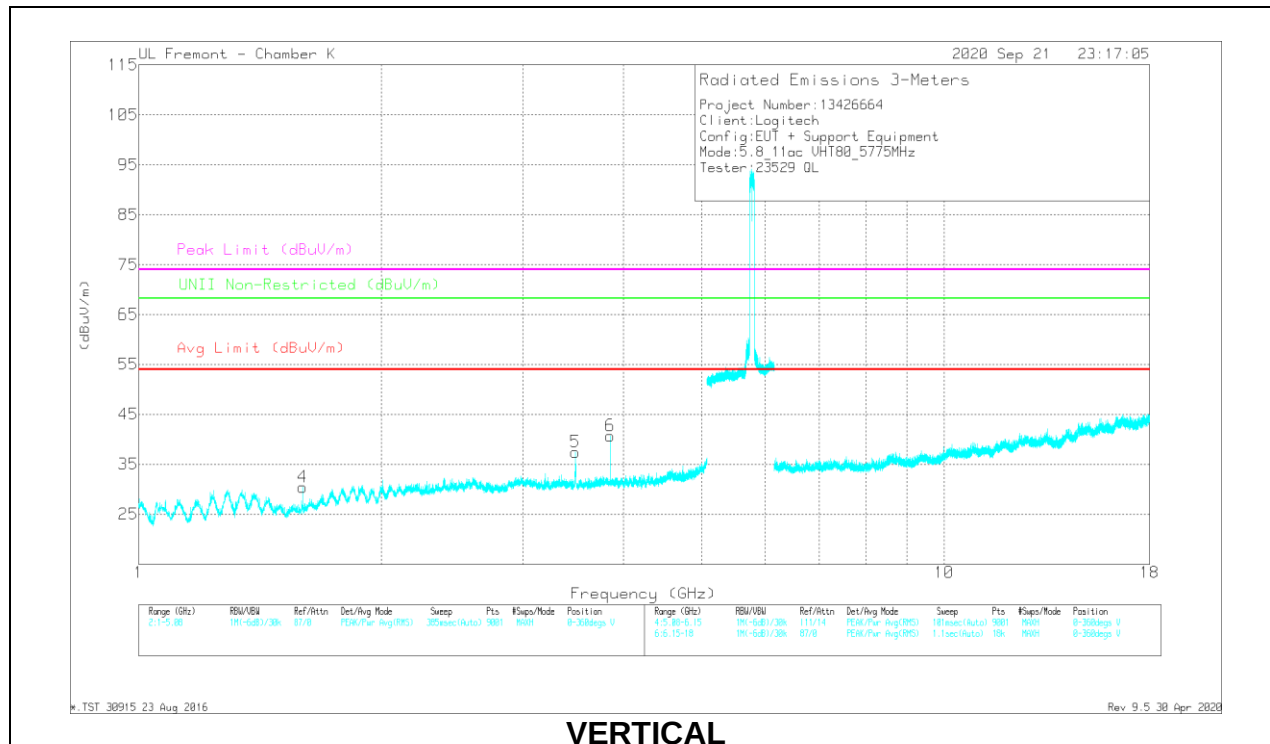
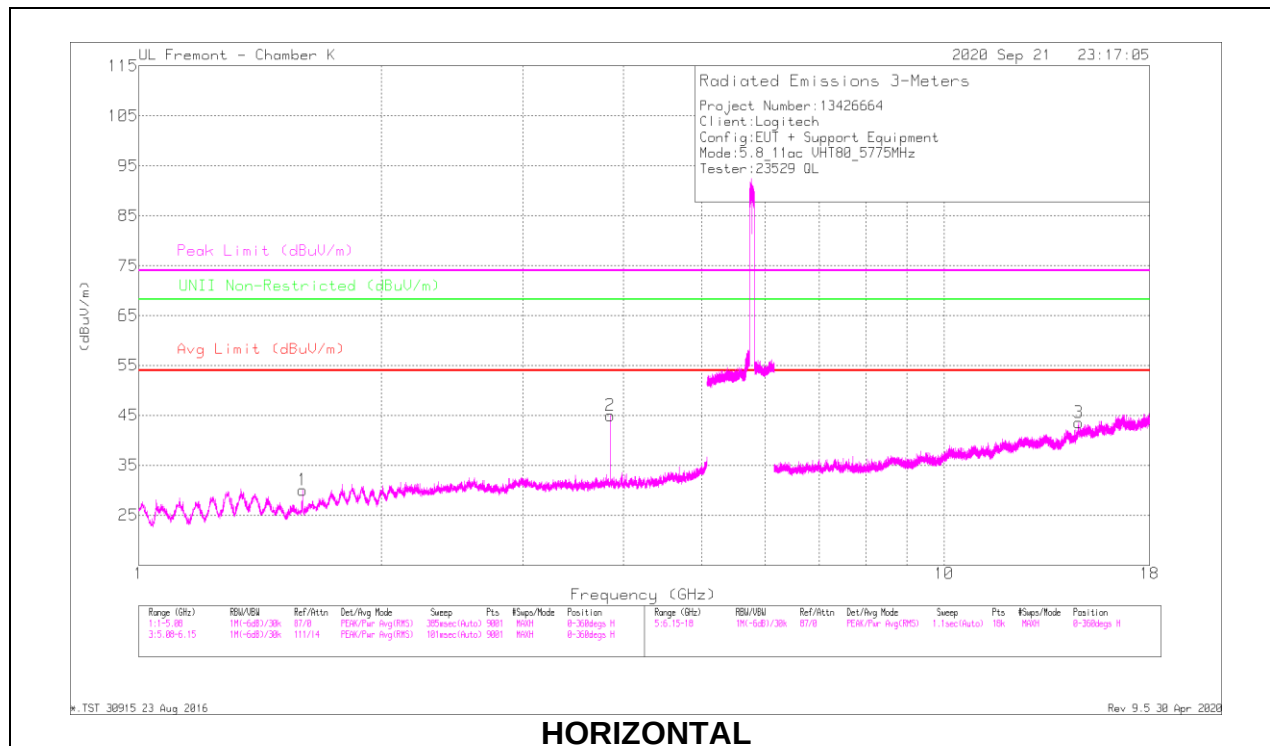


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T863 (dB/m)	Amp/Cbl/Filt/P ad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85002	-73.7	Pk	35.1	-6.5	11.8	0	-33.3	26.95	-60.25	77	211	V
2	5.95018	-75.39	Pk	35.3	-6.3	11.8	0	-34.59	-27	-7.59	77	211	V

Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meas Reading (dBm)	Det	AP 15B3 (dBm)	Ampl/Cat/HPad (dB)	DC Corr (dB)	Corrected Reading (dBm)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	ULN Non-Restricted (dBuV/m)	PK Margin (dB)	Altitude (m)	Height (m)	Polarity
1	* 1.59696	60.46	PK-U	28.1	-46.2	0	42.36	-	-	74	-31.64	-	-	109	286	H
	* 1.59647	41.06	ADR	28.1	-46.2	.85	23.8	54	-30.2	-	-	-	-	109	286	H
2	* 3.84996	55.16	PK-U	33.5	-41.9	0	46.76	-	-	74	-27.24	-	-	35	157	H
	* 3.85003	51.06	ADR	33.5	-41.9	.85	43.5	54	-10.5	-	-	-	-	35	157	H
3	14.69773	44.3	PK-U	40.6	-33.3	0	51	-	-	-	-	68.2	-17.2	45	307	H
4	* 1.59395	63.88	PK-U	28.1	-46.2	0	45.78	-	-	74	-28.22	-	-	303	114	V
	* 1.59467	45.04	ADR	28.1	-46.2	.85	27.78	54	-26.22	-	-	-	-	303	114	V
5	3.48729	57.35	PK-U	32.8	-42.1	0	48.05	-	-	-	-	68.2	-20.15	354	208	V
	* 3.85006	52.93	PK-U	33.5	-41.9	0	44.53	-	-	74	-29.47	-	-	5	331	V
6	* 3.85003	48.05	ADR	33.5	-41.9	.85	40.49	54	-13.51	-	-	-	-	5	331	V

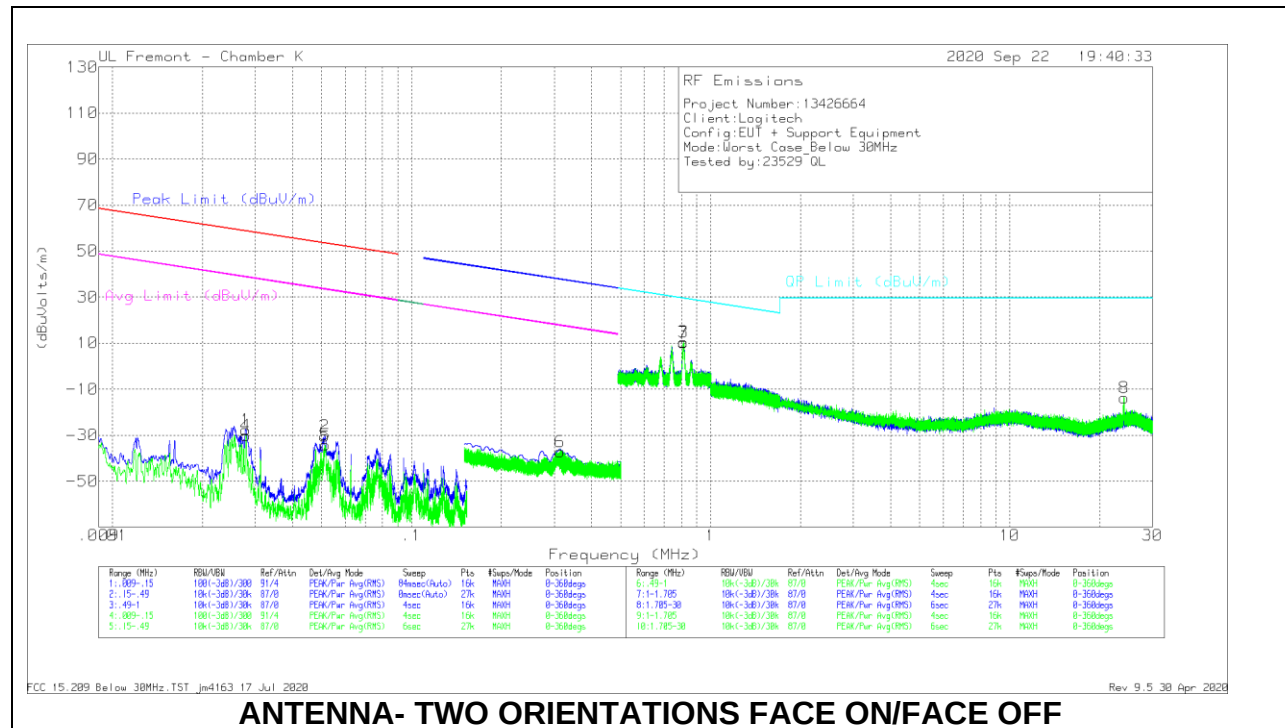
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

10.2. WORST CASE BELOW 30MHZ

SPURIOUS EMISSIONS BELOW 30 MHz (WORST-CASE CONFIGURATION)



Below 30MHz Data

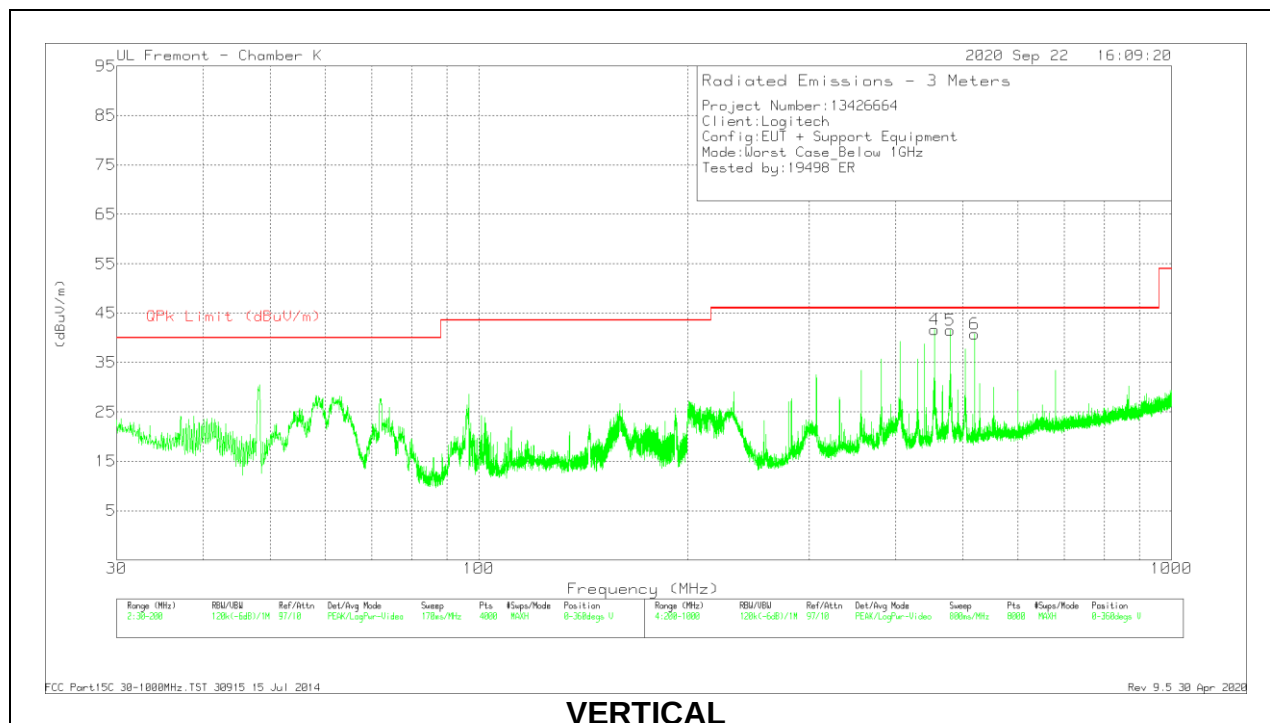
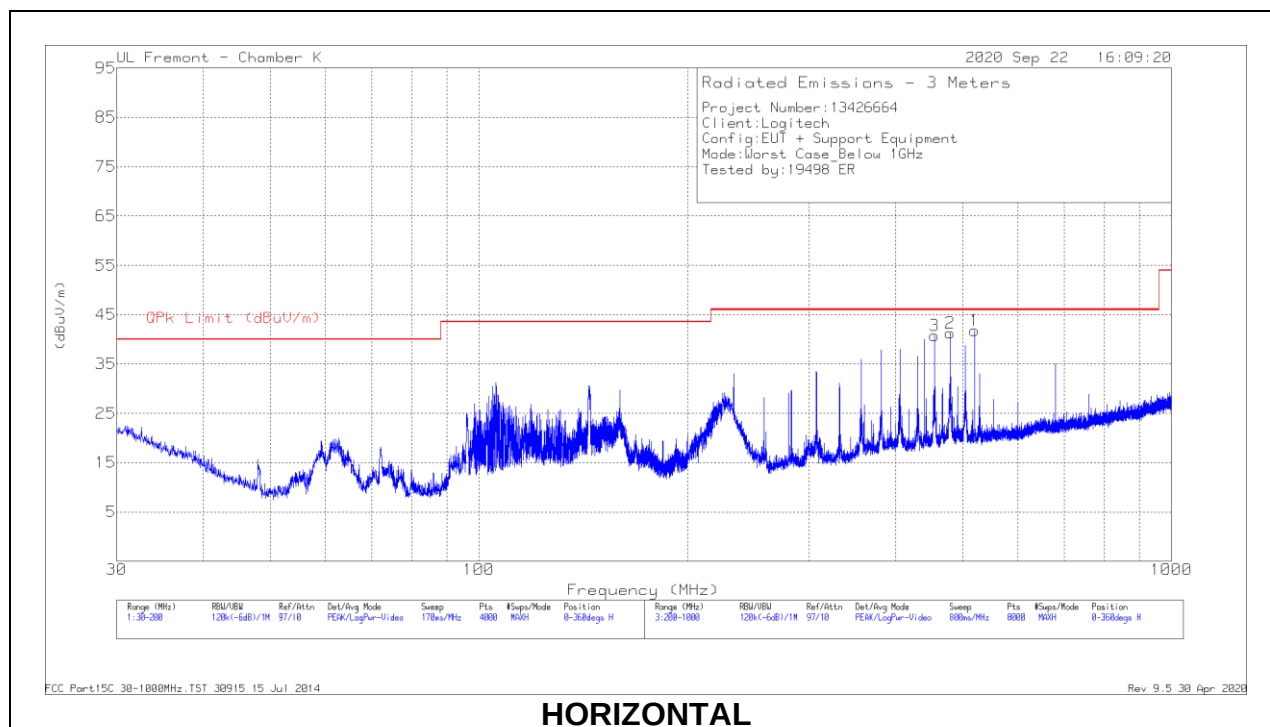
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (E ACF)	Amp/Cbl (dB)	Dist Corr 300m	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
1	.02797	26.55	Pk	57.9	-32.2	-80	-27.75	58.65	-96.4	38.65	-66.4	-	-	-	-	0-360
2	.05138	25.04	Pk	56.8	-32.3	-80	-30.46	53.37	-83.83	33.37	-63.83	-	-	-	-	0-360
4	.02798	24.22	Pk	57.9	-32.2	-80	-30.08	58.65	-88.73	38.65	-68.73	-	-	-	-	0-360
5	.05144	21.2	Pk	56.8	-32.3	-80	-34.3	53.36	-87.66	33.36	-67.66	-	-	-	-	0-360
6	.31346	19.21	Pk	55.9	-32.2	-80	-37.09	-	-	-	-	37.69	-74.78	17.69	-54.78	0-360

Pk - Peak detector

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (E ACF)	Amp/Cbl (dB)	Dist Corr 30m (dB)	Corrected Reading (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
3	.8116	26.76	Pk	56	-32.2	-40	10.56	29.43	-18.87	0-360
7	.81042	26.48	Pk	56	-32.2	-40	10.28	29.44	-19.16	0-360
8	24.13849	23.8	Pk	34.1	-31.6	-40	-13.7	29.5	-43.2	0-360

Pk - Peak detector

10.3. WORST CASE BELOW 1 GHZ



Below 1GHz DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF PRE0181574 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	519.9416	47.42	Pk	23.6	-29.2	41.82	46.02	-4.2	0-360	201	H
2	479.2363	46.86	Pk	23.6	-29.2	41.26	46.02	-4.76	0-360	201	H
3	454.6331	47.25	Pk	22.8	-29.3	40.75	46.02	-5.27	0-360	201	H
4	454.6331	48.21	Pk	22.8	-29.3	41.71	46.02	-4.31	0-360	201	V
5	479.2363	47.14	Pk	23.6	-29.2	41.54	46.02	-4.48	0-360	201	V
6	519.9416	46.34	Pk	23.6	-29.2	40.74	46.02	-5.28	0-360	100	V

Pk - Peak detector

Radiated Emissions

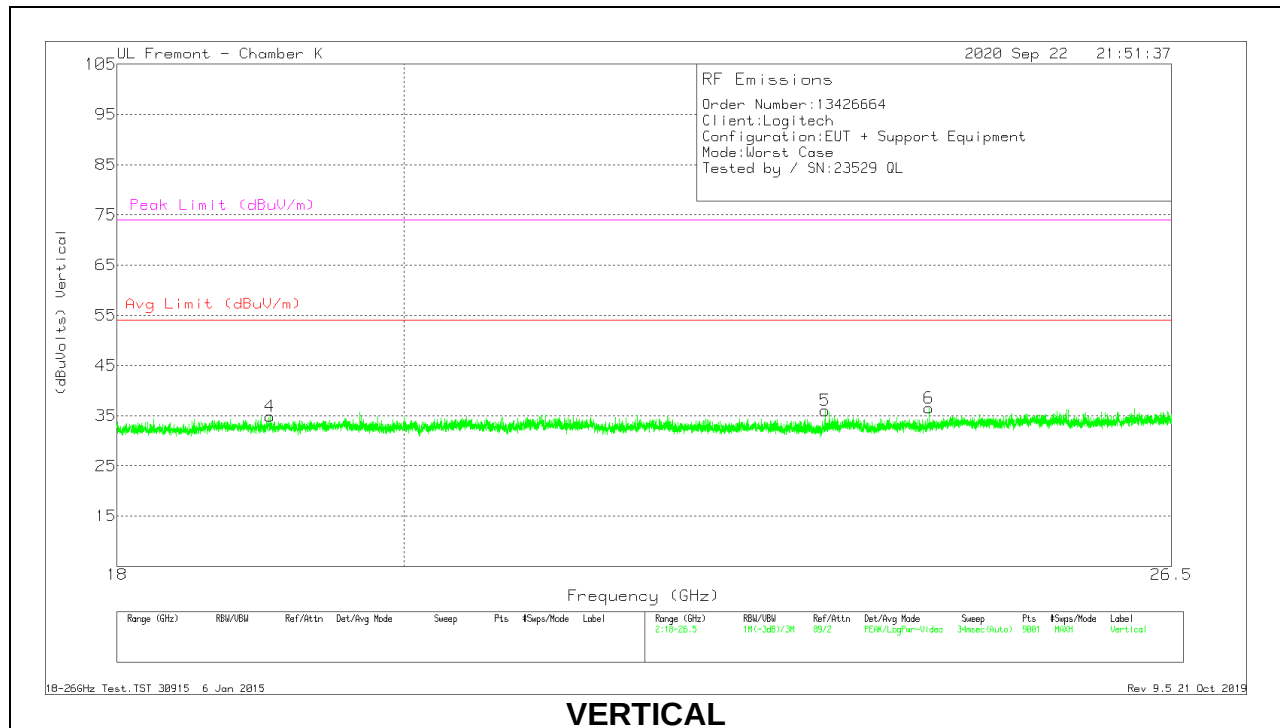
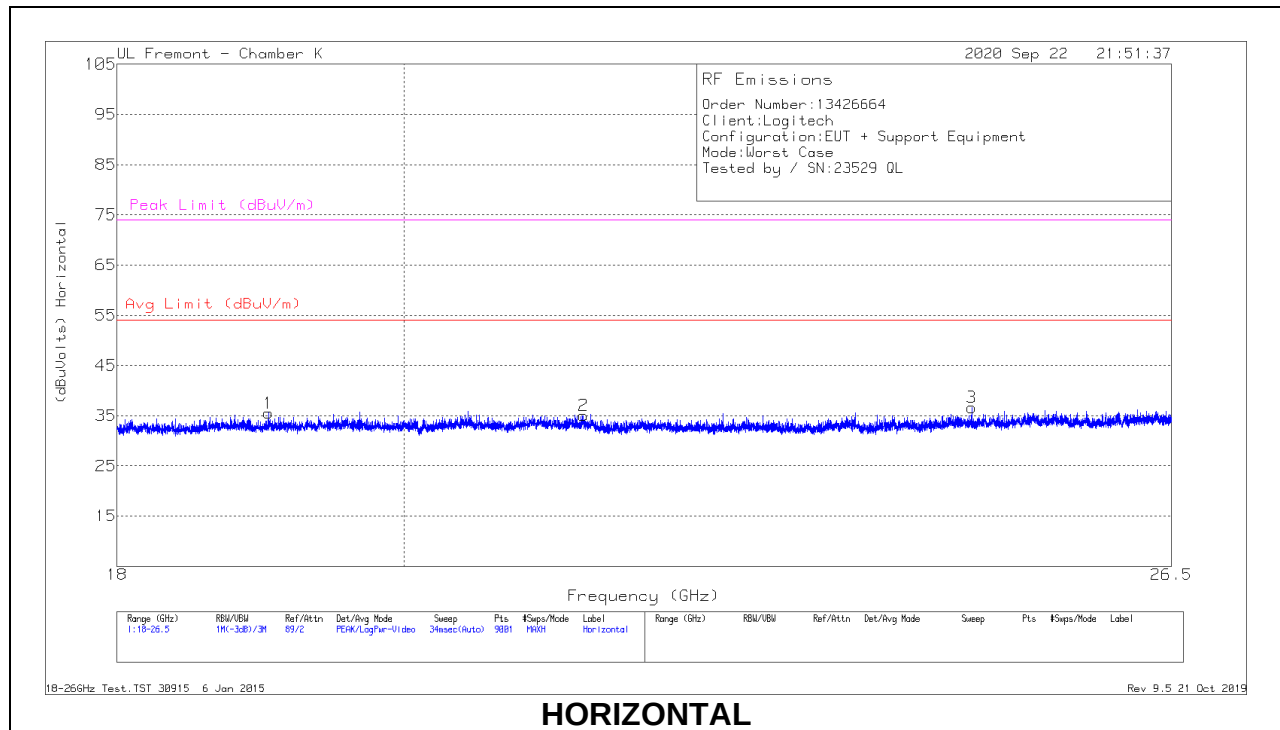
Frequency (MHz)	Meter Reading (dBuV)	Det	AF PRE0181574 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
*519.9979	49.76	Pk	23.6	-29.2	44.16	46.02	-1.86	317	159	H
*519.9979	49.15	Qp	23.6	-29.2	43.55	46.02	-2.47	317	159	H
479.2327	47.65	Pk	23.6	-29.2	42.05	46.02	-3.97	327	190	H
479.2327	46.73	Qp	23.6	-29.2	41.13	46.02	-4.89	327	190	H
454.6571	47.52	Pk	22.8	-29.3	41.02	46.02	-5	318	216	H
454.6571	46.46	Qp	22.8	-29.3	39.96	46.02	-6.06	318	216	H
454.6439	48.15	Pk	22.8	-29.3	41.65	46.02	-4.37	272	198	V
454.6439	47.19	Qp	22.8	-29.3	40.69	46.02	-5.33	272	198	V
479.2212	47.54	Pk	23.6	-29.2	41.94	46.02	-4.08	275	191	V
479.2212	46.63	Qp	23.6	-29.2	41.03	46.02	-4.99	275	191	V
*519.9931	45.63	Pk	23.6	-29.2	40.03	46.02	-5.99	213	114	V
*519.9931	44.64	Qp	23.6	-29.2	39.04	46.02	-6.98	213	114	V

Pk - Peak detector

Qp - Quasi-Peak detector

* verification testing has been performed, this signal is not coming from radio.

10.4. WORST CASE 18-26 GHZ

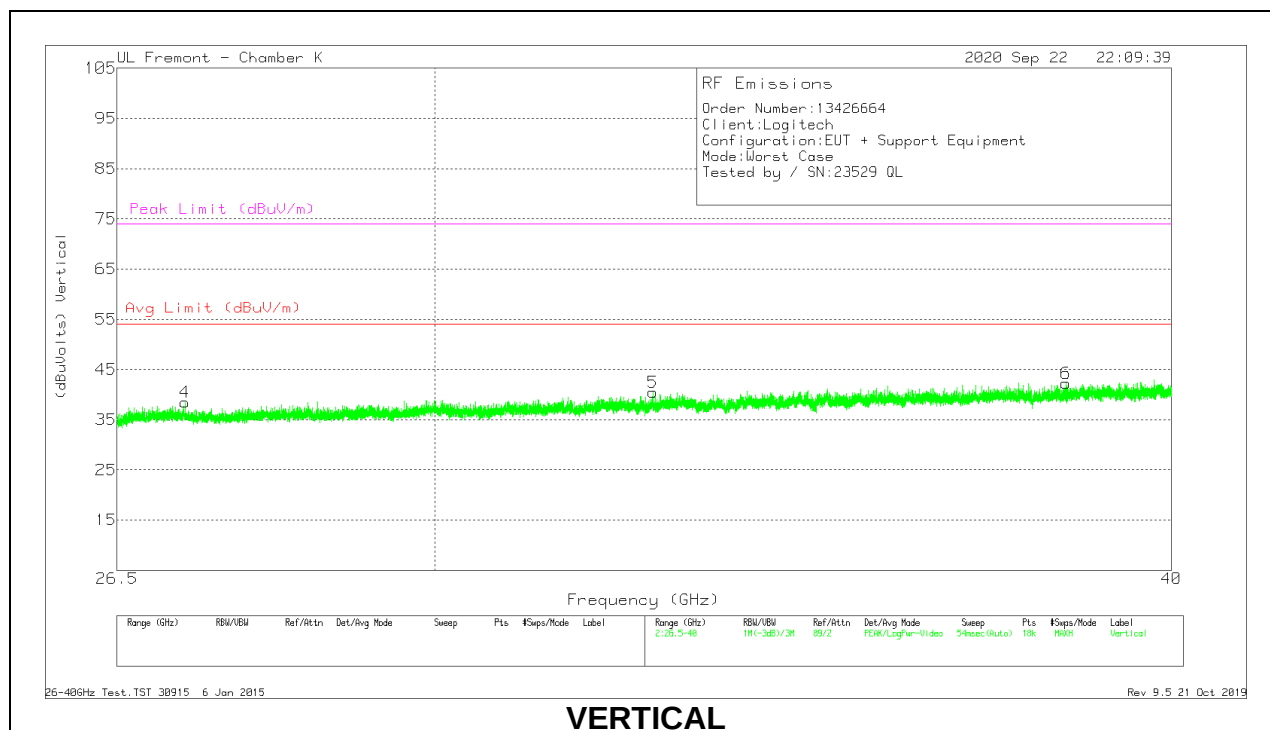
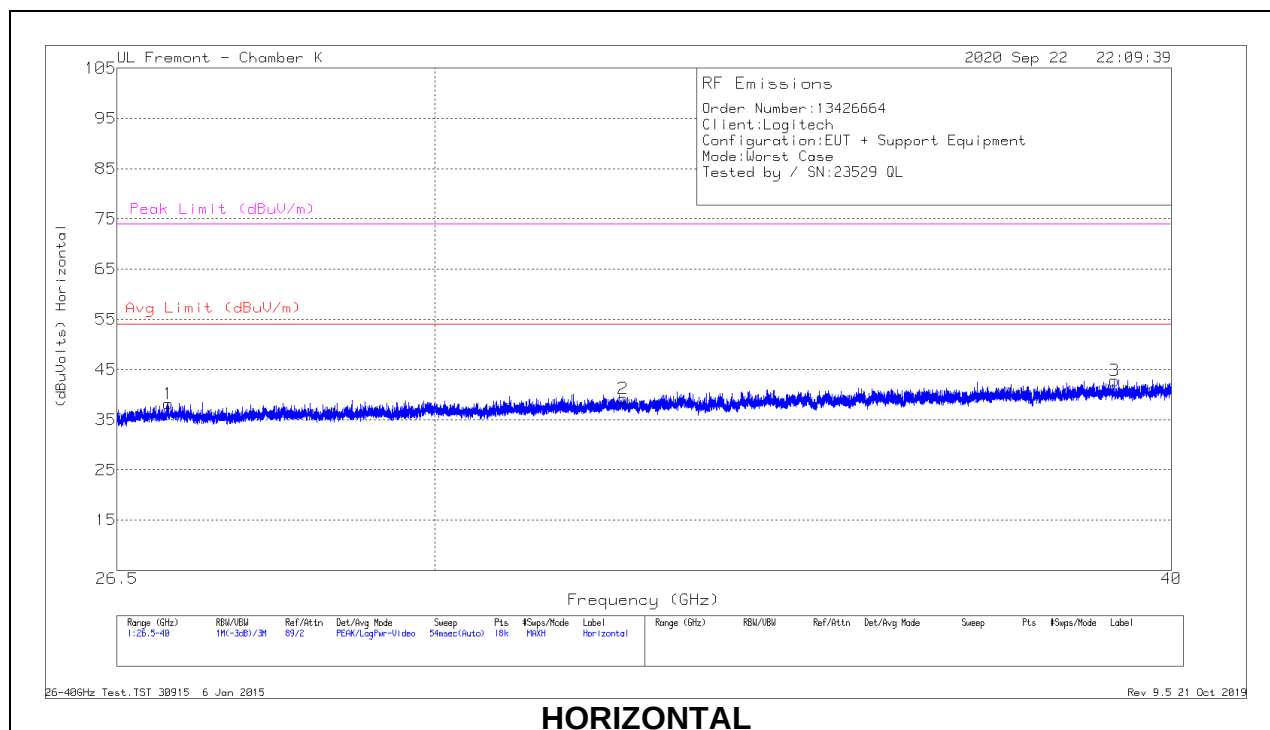


18 – 26GHz DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	T448 AF (dB/m)	AmplCbl (dB)	Dist Corr (dB)	Corrected Reading (dBuVolts)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)
1	19.02756	69.81	Pk	32.5	-57.3	-9.5	35.51	54	-18.49	74	-38.49
2	21.3575	68.74	Pk	33.1	-57.3	-9.5	35.04	54	-18.96	74	-38.96
3	24.62716	67.61	Pk	34.4	-55.9	-9.5	36.61	54	-17.39	74	-37.39
4	19.03794	69.29	Pk	32.5	-57.4	-9.5	34.89	54	-19.11	74	-39.11
5	23.33705	68.73	Pk	34	-57.2	-9.5	36.03	54	-17.97	74	-37.97
6	24.24466	68.43	Pk	34.2	-56.6	-9.5	36.53	54	-17.47	74	-37.47

Pk - Peak detector

10.5. WORST CASE 26-40 GHZ



26 – 40GHz DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	T445 AF (dB/m)	AmplCbl (dB)	Dist Corr (dB)	Corrected Reading (dBuVolts)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)
1	27.03475	67.92	Pk	36.2	-56.4	-9.5	38.22	54	-15.78	74	-35.78
2	32.29	64.93	Pk	37.3	-53.5	-9.5	39.23	54	-14.77	74	-34.77
3	39.118	67.89	Pk	38.9	-54.5	-9.5	42.79	54	-11.21	74	-31.21
4	27.21175	67.87	Pk	36.3	-56.2	-9.5	38.47	54	-15.53	74	-35.53
5	32.67025	66.27	Pk	37.5	-53.8	-9.5	40.47	54	-13.53	74	-33.53
6	38.3875	68.05	Pk	38.8	-55.1	-9.5	42.25	54	-11.75	74	-31.75

Pk - Peak detector

11. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

Frequency of Emission (MHz)	Conducted Limit (dBμV)	
	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

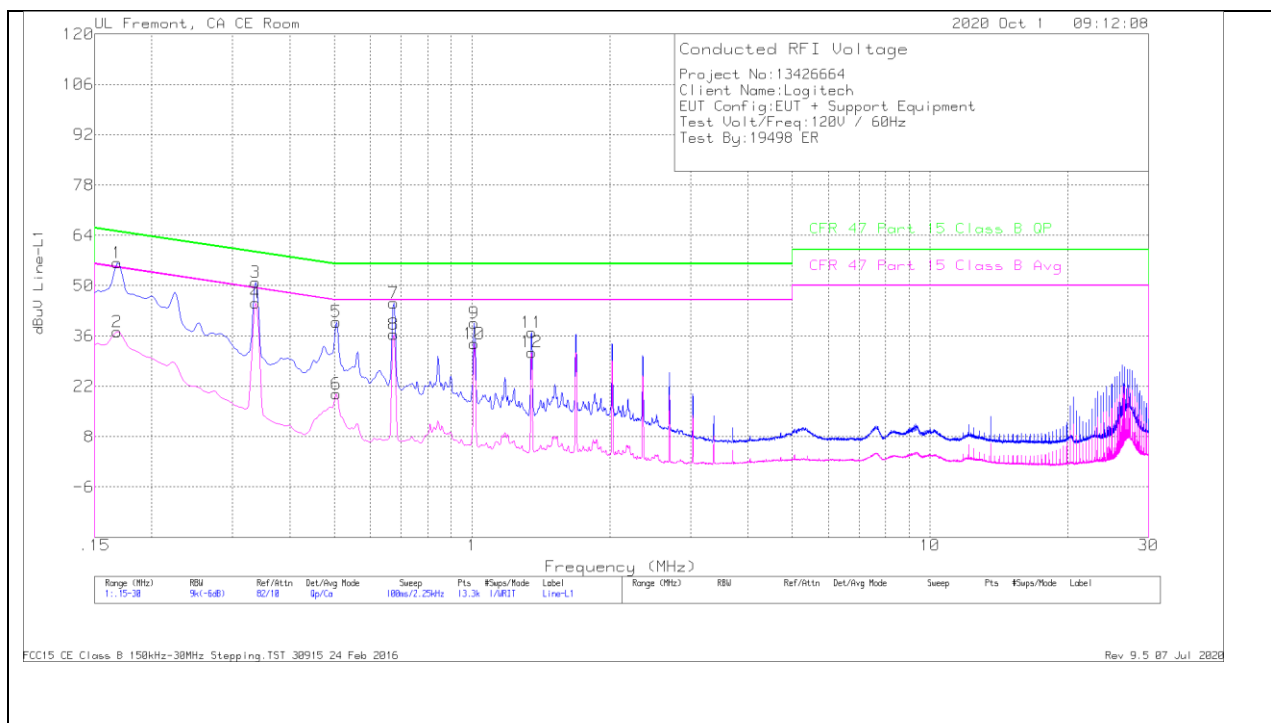
The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.10.

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



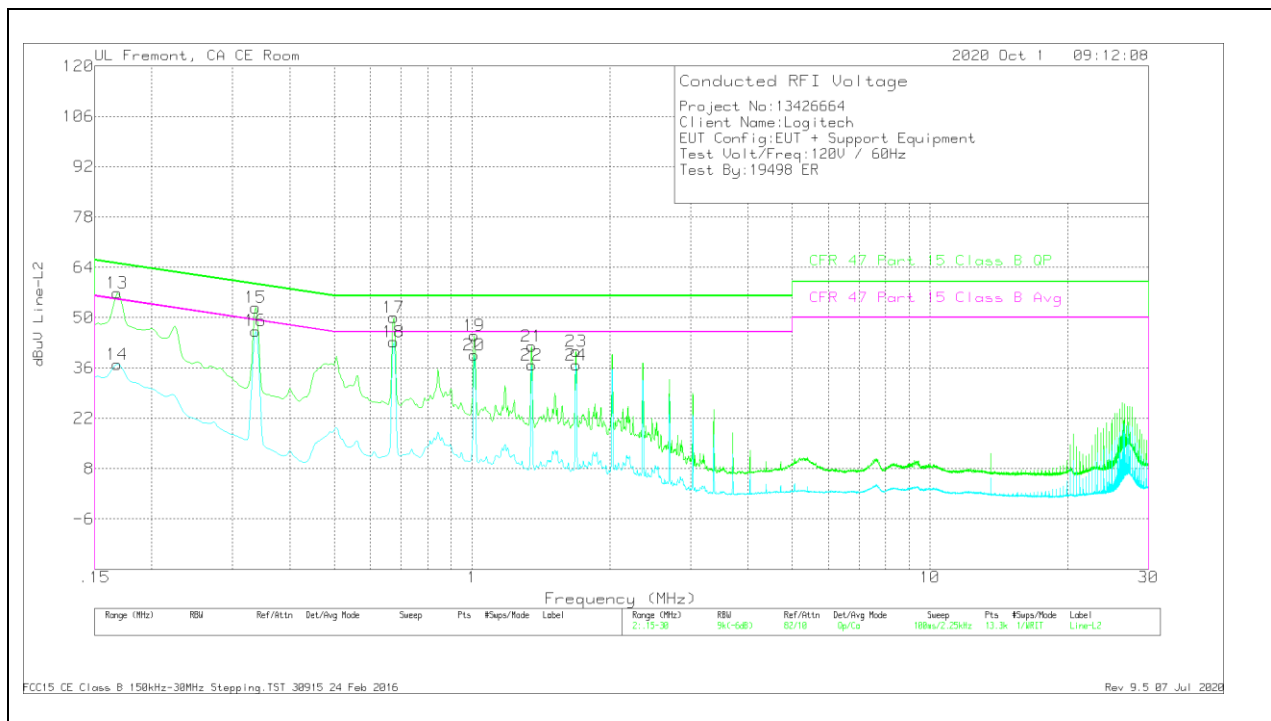
Range 1: Line-L1 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	PRE018644 6 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	.168	46.44	Qp	0	0	10	56.44	65.06	-8.62	-	-
2	.168	27.18	Ca	0	0	10	37.18	-	-	55.06	-17.88
3	.33675	40.91	Qp	0	0	10	50.91	59.28	-8.37	-	-
4	.33675	35.13	Ca	0	0	10	45.13	-	-	49.28	-4.15
5	.5055	29.88	Qp	0	0	10	39.88	56	-16.12	-	-
6	.5055	9.85	Ca	0	0	10	19.85	-	-	46	-26.15
7	.67425	35.22	Qp	0	0	10	45.22	56	-10.78	-	-
8	.67425	26.43	Ca	0	0	10	36.43	-	-	46	-9.57
9	1.01175	29.46	Qp	0	.1	10	39.56	56	-16.44	-	-
10	1.01175	23.75	Ca	0	.1	10	33.85	-	-	46	-12.15
11	1.34925	26.84	Qp	0	.1	10	36.94	56	-19.06	-	-
12	1.34925	21.4	Ca	0	.1	10	31.5	-	-	46	-14.5

Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 2 RESULTS



Range 2: Line-L2 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	PRE018644 6 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)M argin (dB)
13	.168	46.9	Qp	0	0	10	56.9	65.06	-8.16	-	-
14	.168	26.99	Ca	0	0	10	36.99	-	-	55.06	-18.07
15	.33675	42.79	Qp	0	0	10	52.79	59.28	-6.49	-	-
16	.33675	36.33	Ca	0	0	10	46.33	-	-	49.28	-2.95
17	.67425	40.08	Qp	0	0	10	50.08	56	-5.92	-	-
18	.67425	33.33	Ca	0	0	10	43.33	-	-	46	-2.67
19	1.01175	34.91	Qp	0	.1	10	45.01	56	-10.99	-	-
20	1.01175	29.53	Ca	0	.1	10	39.63	-	-	46	-6.37
21	1.34925	31.95	Qp	0	.1	10	42.05	56	-13.95	-	-
22	1.34925	26.77	Ca	0	.1	10	36.87	-	-	46	-9.13
23	1.68675	30.54	Qp	0	.1	10	40.64	56	-15.36	-	-
24	1.68675	26.69	Ca	0	.1	10	36.79	-	-	46	-9.21

Qp - Quasi-Peak detector

Ca - CISPR average detection