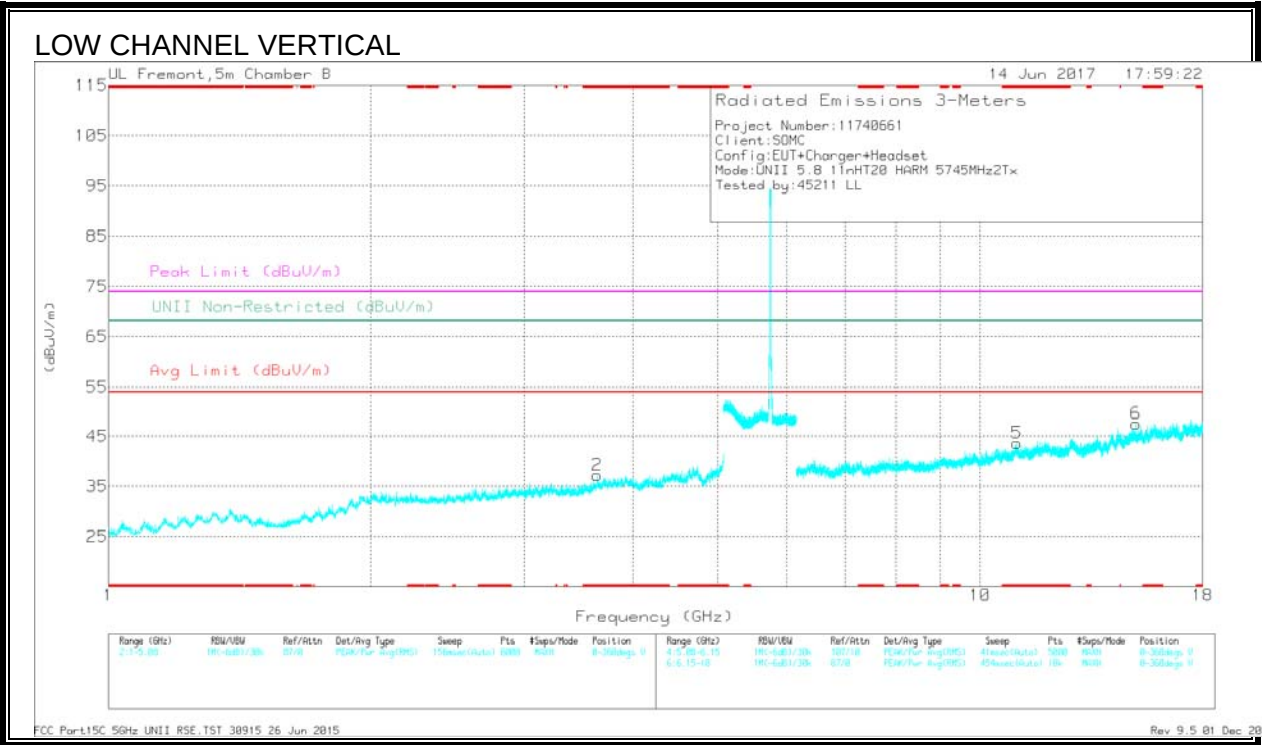
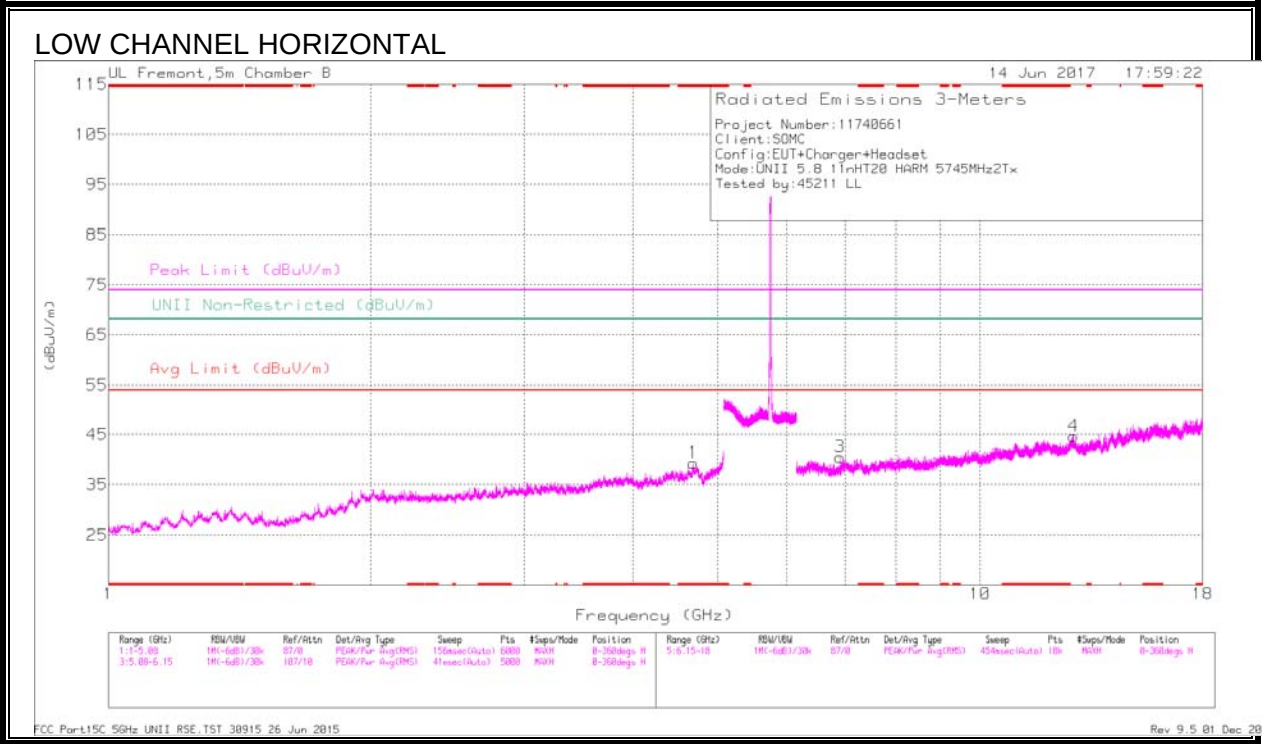


HARMONICS AND SPURIOUS EMISSIONS



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Ch/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	U/NII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.688	34.17	Pk	34.4	-29.2	0	39.37	-	-	74	-34.63	-	-	0-360	102	H
2	* 3.635	35.14	Pk	33.4	-31.3	0	37.24	-	-	74	-36.76	-	-	0-360	102	V
5	* 11.021	27.67	Pk	38.5	-22.6	0	43.57	-	-	74	-30.43	-	-	0-360	102	V
3	6.908	32.86	Pk	36	-28.3	0	40.56	-	-	-	-	68.2	-27.64	0-360	102	H
4	12.801	27.32	Pk	39.9	-22.6	0	44.62	-	-	-	-	68.2	-23.58	0-360	199	H
6	15.101	27.64	Pk	41.1	-21.2	0	47.54	-	-	-	-	68.2	-20.66	0-360	199	V

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

Pk - Peak detector

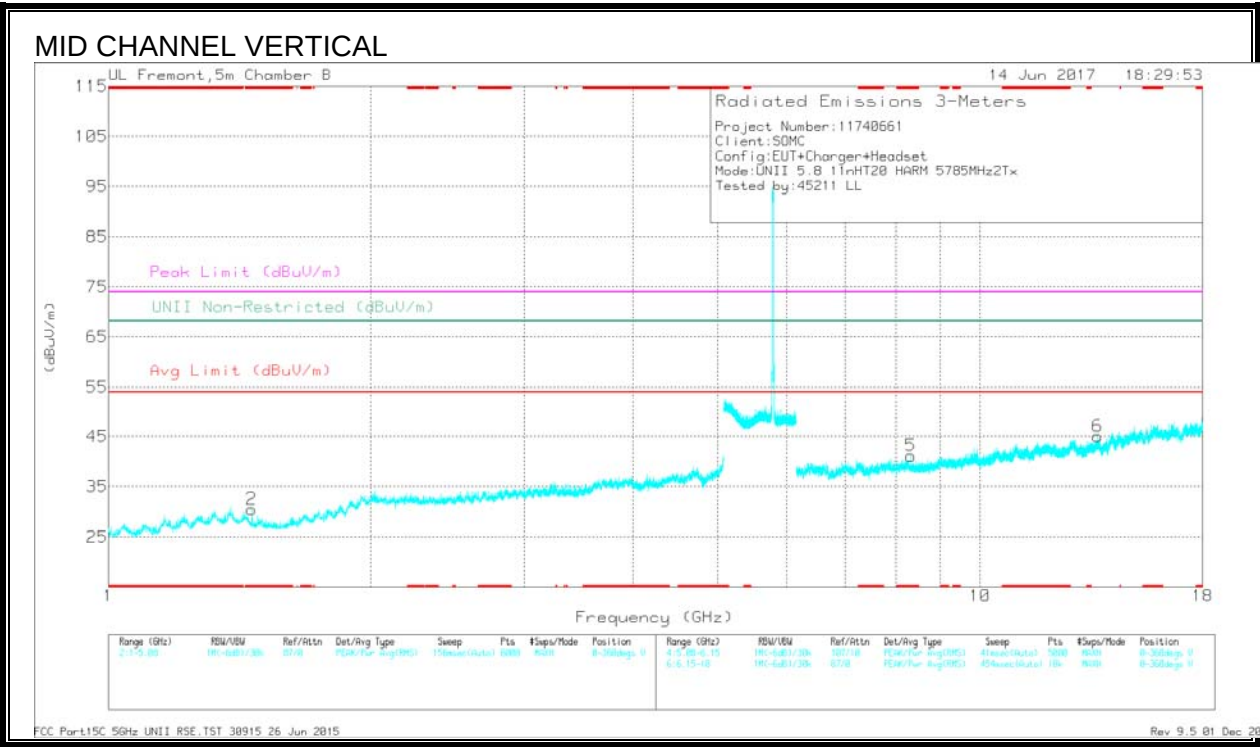
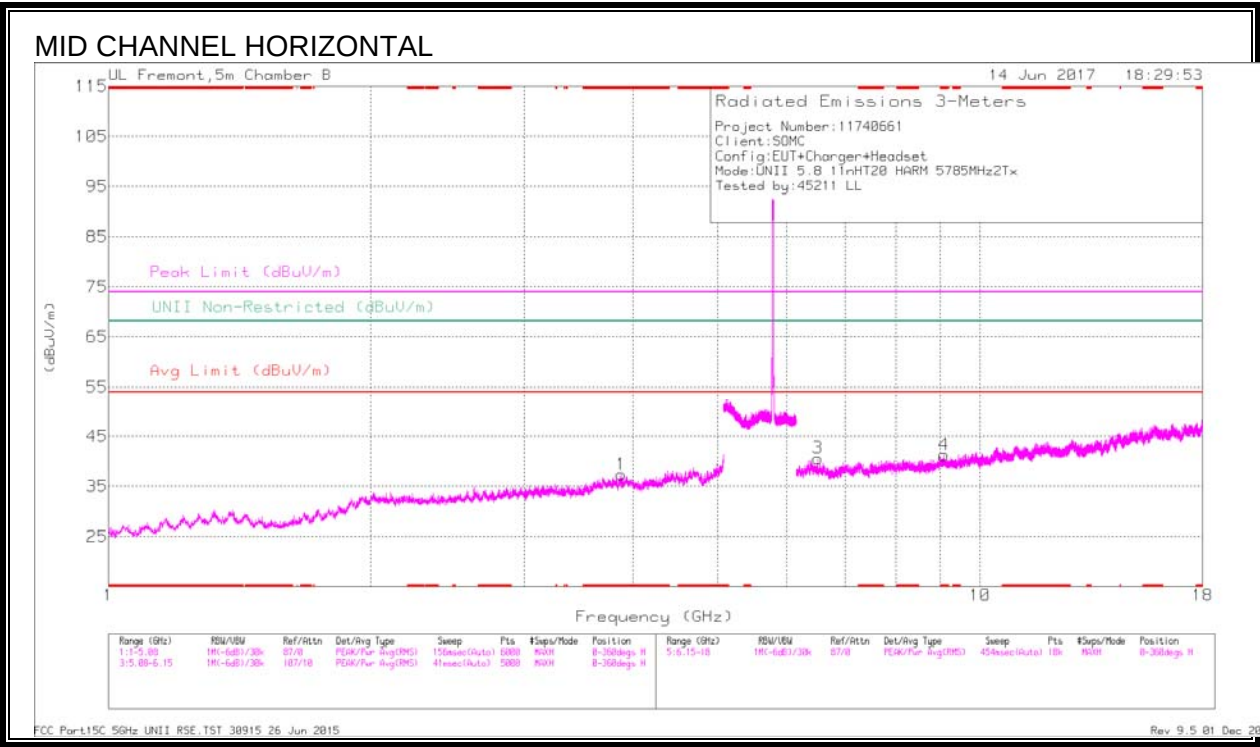
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Ch/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	U/NII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.69	39.39	PK-U	34.4	-29.3	0	44.49	-	-	74	-29.51	-	-	324	101	H
* 4.69	28.7	ADR	34.4	-29.3	-2	34.02	54	-19.98	-	-	-	-	324	101	H
* 3.634	40.28	PK-U	33.4	-31.3	0	42.38	-	-	74	-31.62	-	-	290	101	V
* 3.635	28.71	ADR	33.4	-31.3	-2	31.03	54	-22.97	-	-	-	-	290	101	V
* 11.021	33.18	PK-U	38.5	-22.6	0	49.08	-	-	74	-24.92	-	-	240	104	V
* 11.023	22.45	ADR	38.5	-22.6	-2	38.57	54	-15.43	-	-	-	-	240	104	V
6.908	37.49	PK-U	36	-28.3	0	45.19	-	-	-	-	68.2	-23.01	251	101	H
12.802	32.86	PK-U	39.9	-22.6	0	50.16	-	-	-	-	68.2	-18.04	182	199	H
15.102	31.61	PK-U	41.1	-21.2	0	51.51	-	-	-	-	68.2	-16.69	156	199	V

* - indicates frequency in CFR15.205/IC8.10 RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Ch/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	U/NII Non-Restricted (dBuV/m)	PK Margin (dB)	Altitude (Dops)	Height (m)	Polarity
1	* 3.873	34.29	Pk	33.7	-30.6	0	37.39	-	-	74	-36.61	-	-	0-360	102	H
2	* 1.46	35.89	Pk	28.1	-33.5	0	30.49	-	-	74	-43.51	-	-	0-360	199	V
4	* 9.098	29.76	Pk	37.1	-25.6	0	41.26	-	-	74	-32.74	-	-	0-360	102	H
5	* 8.336	30.81	Pk	36.5	-26.2	0	41.11	-	-	74	-32.89	-	-	0-360	102	V
3	6.514	33.24	Pk	36.1	-28.7	0	40.64	-	-	-	-	68.2	-27.56	0-360	199	H
6	13.646	27.73	Pk	39.6	-22.3	0	45.03	-	-	-	-	68.2	-23.17	0-360	199	V

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

Pk - Peak detector

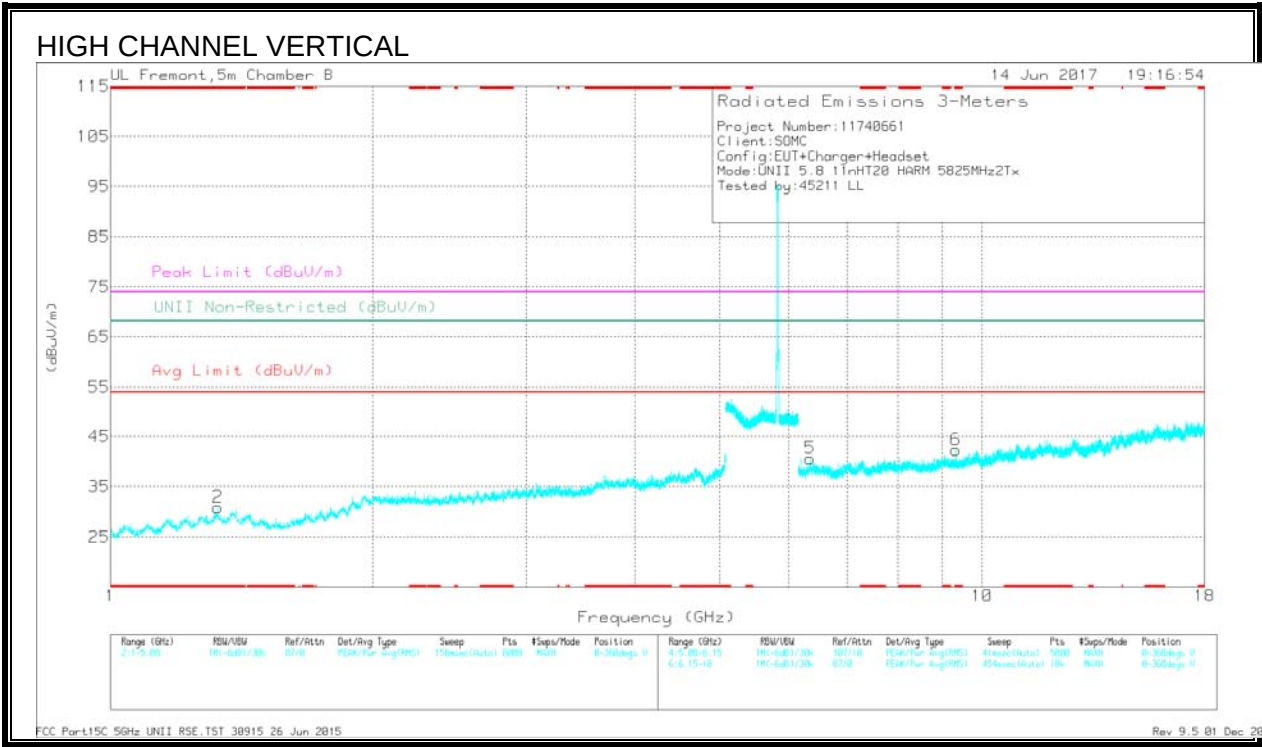
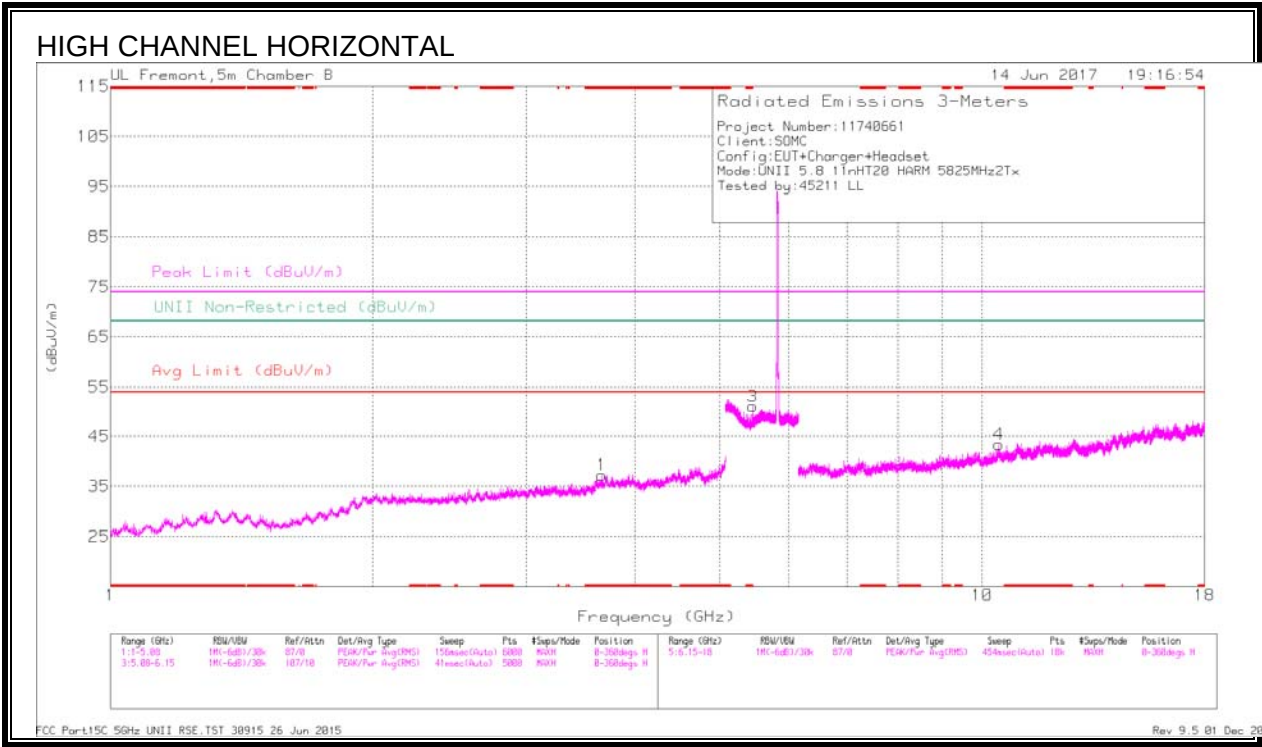
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Ch/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	U/NII Non-Restricted (dBuV/m)	PK Margin (dB)	Altitude (Dops)	Height (m)	Polarity
* 3.872	39.62	PK-U	33.7	-30.6	0	42.72	-	-	74	-31.28	-	-	62	101	H
* 3.872	28.72	ADR	33.7	-30.6	.2	32.04	54	-21.96	-	-	-	-	62	101	H
* 1.461	40.05	PK-U	28.1	-33.5	0	34.65	-	-	74	-39.35	-	-	137	199	V
* 1.46	28.88	ADR	28.1	-33.5	.2	23.7	54	-30.3	-	-	-	-	137	199	V
* 9.098	35.29	PK-U	37.1	-25.6	0	46.79	-	-	74	-27.21	-	-	255	104	H
* 9.099	24.47	ADR	37.1	-25.6	.2	36.19	54	-17.81	-	-	-	-	255	104	H
* 8.337	36.74	PK-U	36.5	-26.2	0	47.04	-	-	74	-26.96	-	-	306	104	V
* 8.335	25.1	ADR	36.5	-26.2	.2	35.62	54	-18.38	-	-	-	-	306	104	V
6.513	39.12	PK-U	36.1	-28.7	0	46.52	-	-	-	-	68.2	-21.68	195	199	H
13.648	33.65	PK-U	39.6	-22.3	0	50.95	-	-	-	-	68.2	-17.25	337	199	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



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Chl/Fbr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Aug Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.661	34.94	Pk	33.4	-31.1	0	37.24	-	-	74	-36.76	-	-	0-360	199	H
2	* 1.328	35.85	Pk	28.9	-33.8	0	30.95	-	-	74	-43.05	-	-	0-360	199	V
6	* 9.335	30.27	Pk	37.2	-25.1	0	42.37	-	-	74	-31.63	-	-	0-360	200	V
3	5.461	34.78	Pk	35.1	-18.9	0	50.98	-	-	-	-	68.2	-17.22	0-360	102	H
5	6.351	32.2	Pk	36.1	-27.7	0	40.6	-	-	-	-	68.2	-27.6	0-360	102	V
4	10.451	28.23	Pk	37.8	-22.7	0	43.33	-	-	-	-	68.2	-24.87	0-360	102	H

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

Pk - Peak detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Chl/Fbr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Aug 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
* 3.663	40.03	PK-U	33.4	-31.1	0	42.33	-	-	74	-31.67	-	-	295	200	H
* 3.661	28.55	ADR	33.4	-31.1	-2	31.07	54	-22.93	-	-	-	-	295	200	H
* 1.327	41.97	PK-U	28.9	-33.8	0	37.07	-	-	74	-36.93	-	-	266	200	V
* 1.326	29.99	ADR	28.9	-33.8	-2	25.31	54	-28.69	-	-	-	-	266	200	V
* 9.334	34.16	PK-U	37.2	-25.1	0	46.26	-	-	74	-27.74	-	-	196	200	V
* 9.336	23.61	ADR	37.2	-25.1	-2	35.93	54	-18.07	-	-	-	-	196	200	V
5.461	38.46	PK-U	35.1	-18.9	0	54.66	-	-	-	-	68.2	-13.54	204	104	H
6.351	37.96	PK-U	36.1	-27.7	0	46.36	-	-	-	-	68.2	-21.84	246	100	V
10.451	33.7	PK-U	37.8	-22.7	0	48.8	-	-	-	-	68.2	-19.4	172	104	H

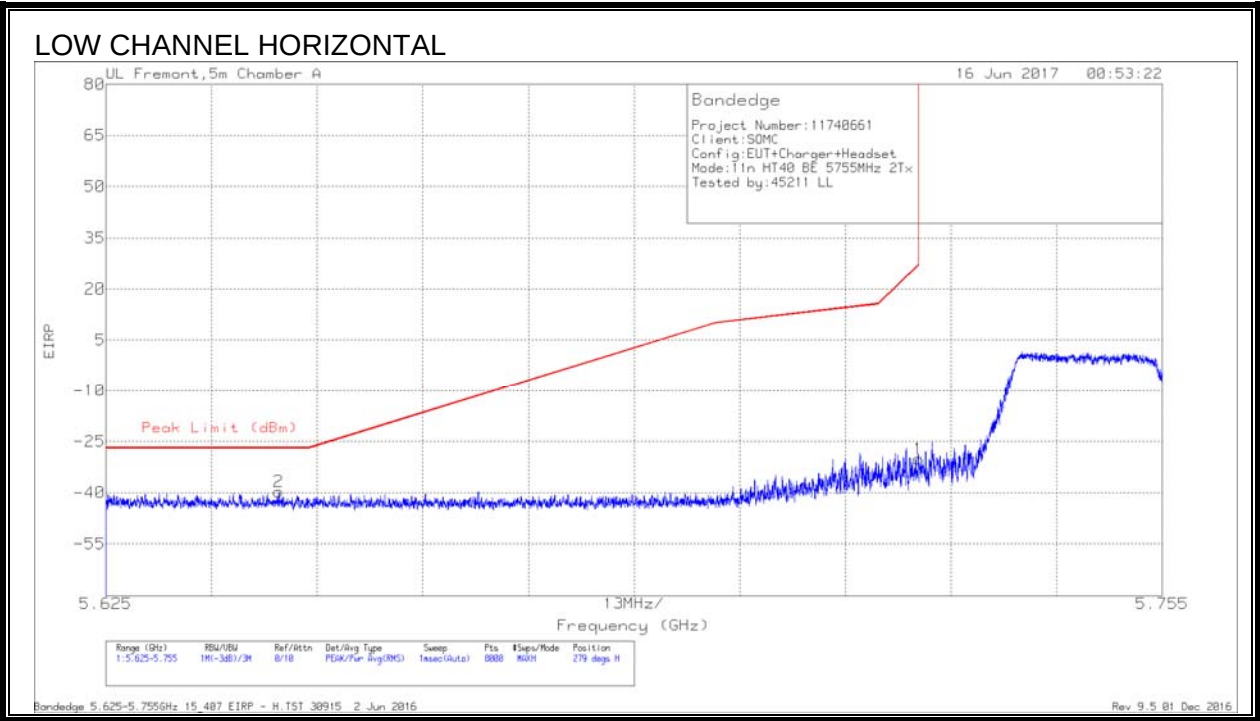
* - indicates frequency in CFR15.205/IC8.10 RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

11.1.15.11n HT40 2TX CDD MIMO MODE IN THE 5.8GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

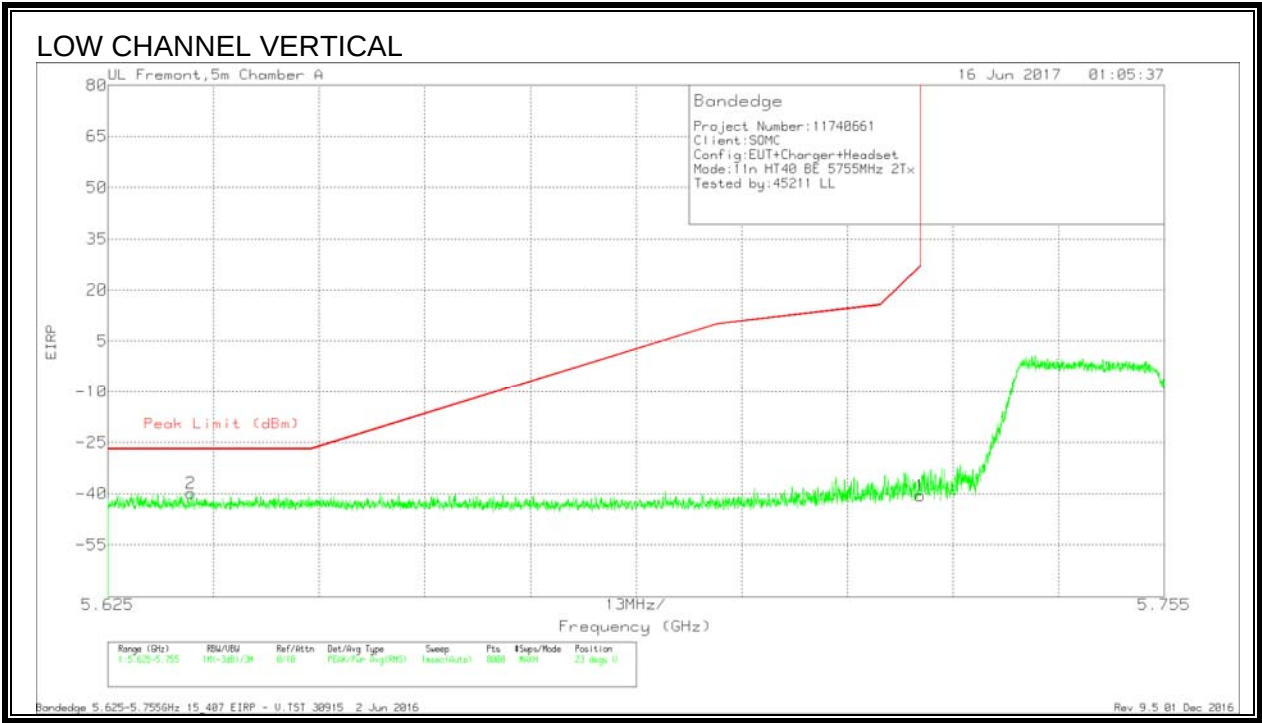


Trace Markers

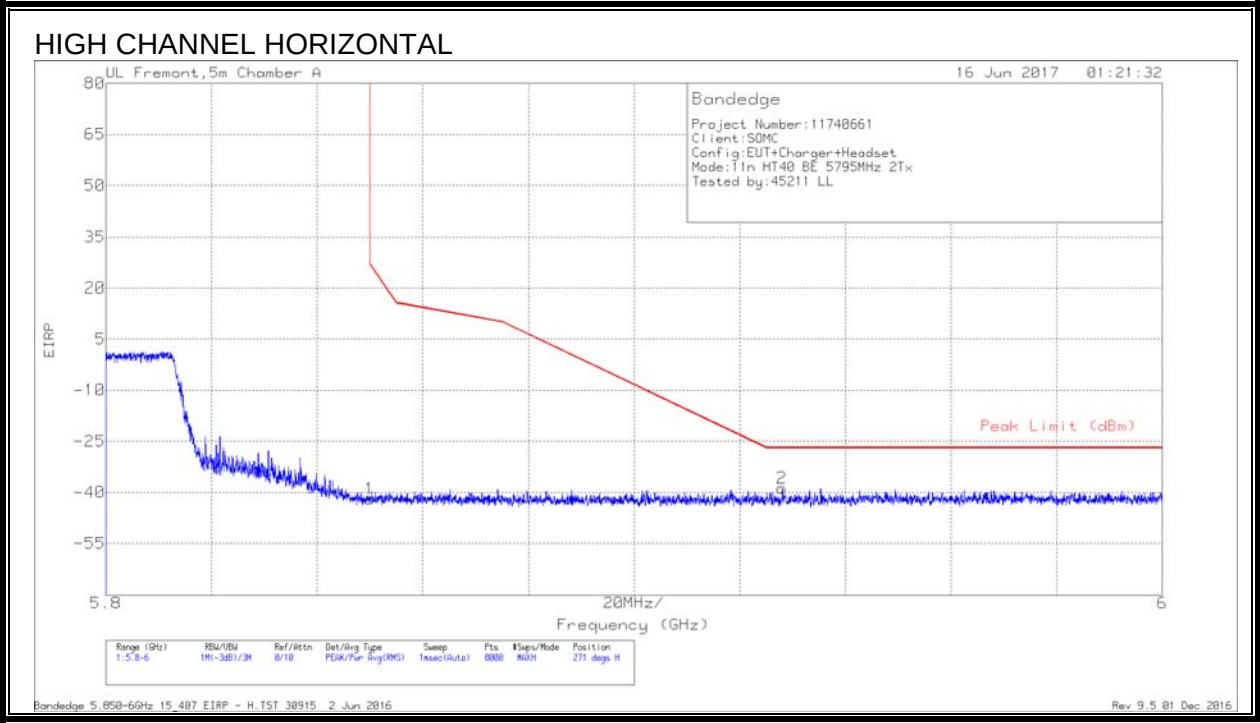
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T711 (dB/m)	Amp/Cb1/Filtr/Par d (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.646	-67.19	Pk	34.7	-19	11.8	-39.69	-27	-12.69	279	103	H
1	5.725	-57.73	Pk	34.8	-19	11.8	-30.13	27	-57.13	279	103	H

* - indicates frequency in CFR15.205/IC8.10 RSS-Restricted Band

Pk - Peak detector



AUTHORIZED BANDEGE (HIGH CHANNEL)

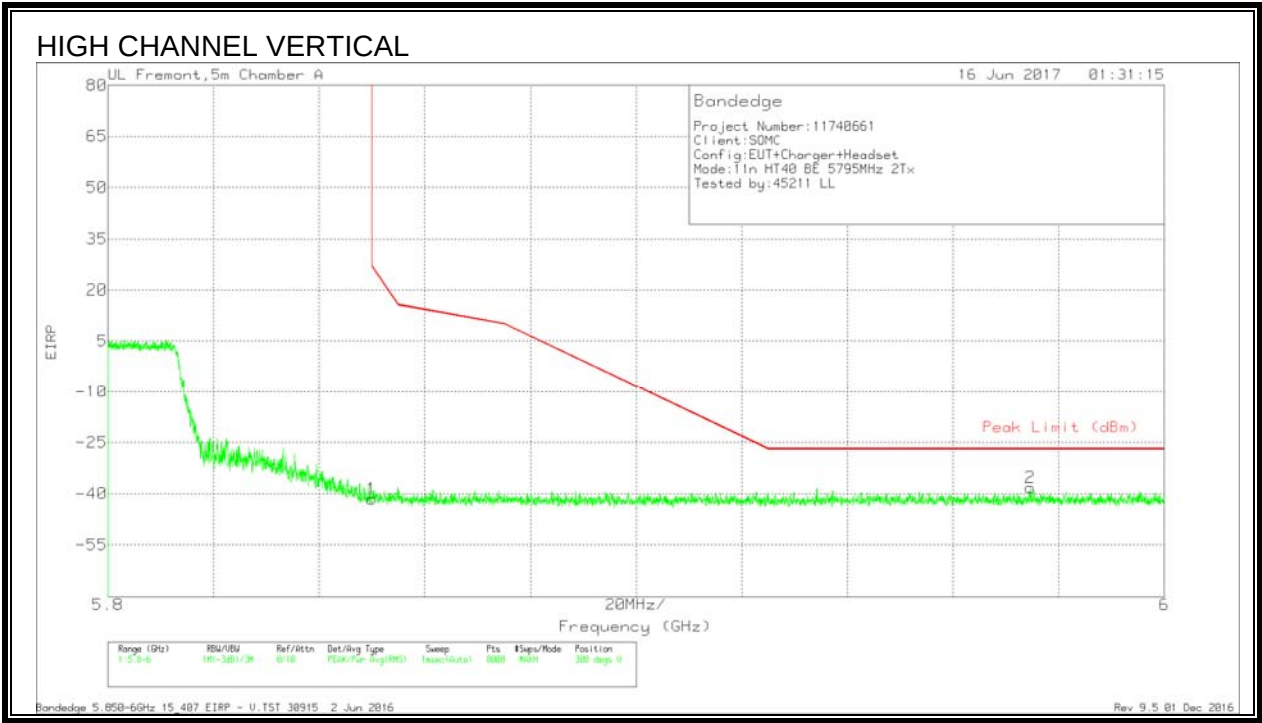


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T711 (dB/m)	Amp/Cb/Fitr/Pa d (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-69.74	Pk	34.8	-18.8	11.8	-41.94	26.99	-68.93	271	104	H
2	5.928	-66.95	Pk	35	-18.7	11.8	-38.85	-27	-11.85	271	104	H

* - indicates frequency in CFR15.205/IC8.10 RSS-Restricted Band

Pk - Peak detector



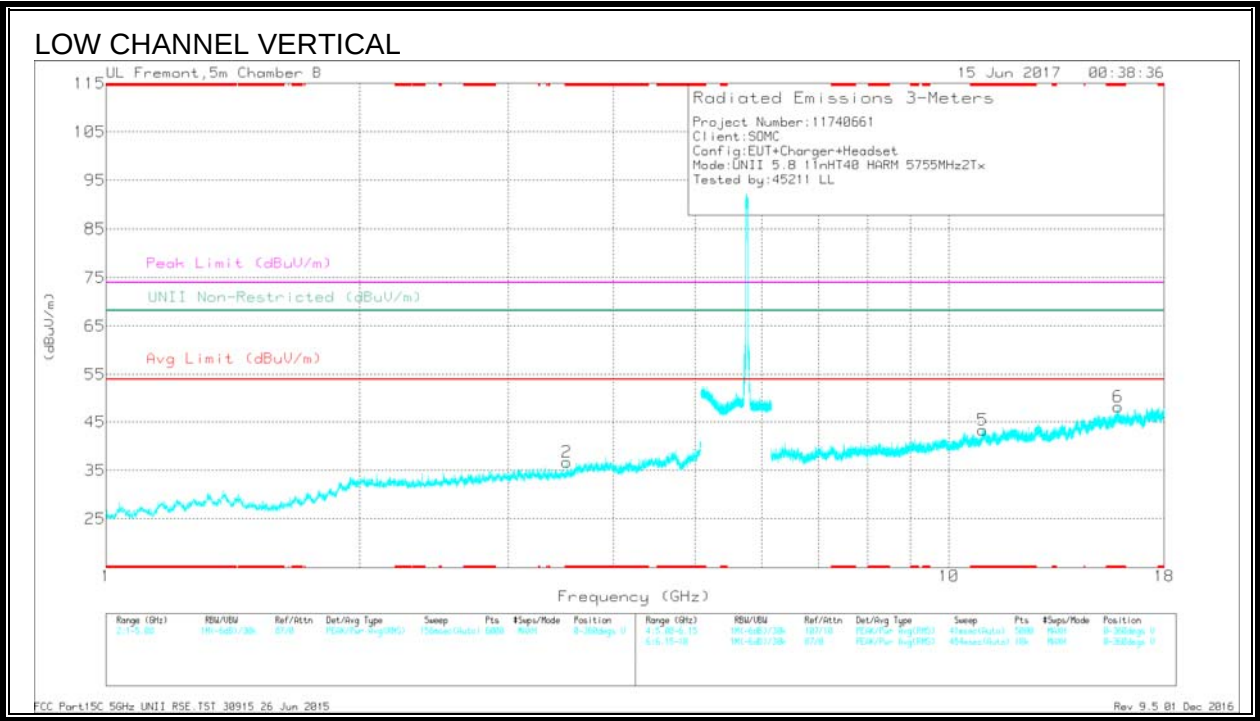
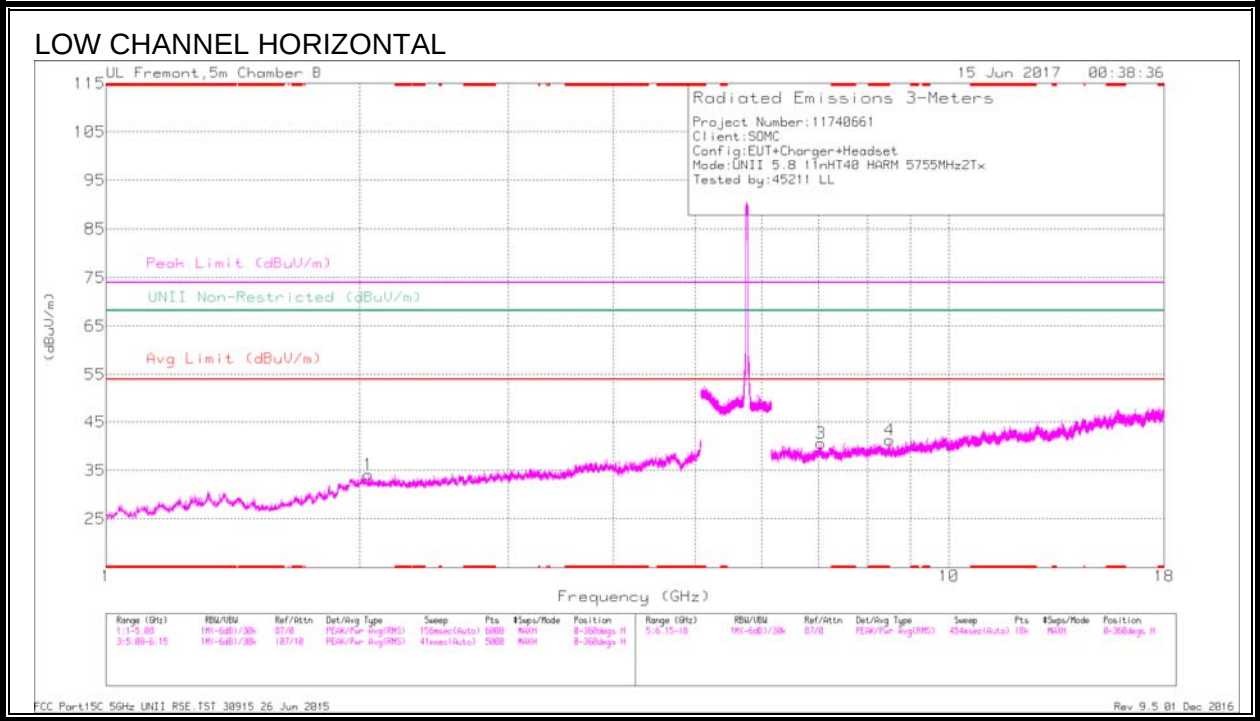
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T711 (dB/m)	Amp/Cbl/Filtr/Par d (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-69.25	Pk	34.8	-18.8	11.8	-41.45	26.99	-68.44	308	291	V
2	5.975	-66.74	Pk	35.2	-18.5	11.8	-38.24	-27	-11.24	308	291	V

* - indicates frequency in CFR15.205/IC8.10 RSS-Restricted Band

Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cb/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)	Altitude (Degr)	Height (cm)	Polarity
2	* 3.518	34.64	Pk	33.1	-31	0	36.74	-	-	74	-37.26	-	-	0-360	200	V
4	* 8.498	30.76	Pk	36.6	-26.1	0	41.26	-	-	74	-32.74	-	-	0-360	199	H
5	* 10.976	27.61	Pk	38.4	-22.6	0	43.41	-	-	74	-30.59	-	-	0-360	199	V
6	* 15.864	26.4	Pk	41.5	-19.7	0	48.2	-	-	74	-25.8	-	-	0-360	199	V
1	2.047	34.69	Pk	32.1	-32.6	0	34.19	-	-	-	-	68.2	-34.01	0-360	102	H
3	7.045	31.8	Pk	36.1	-27.3	0	40.6	-	-	-	-	68.2	-27.6	0-360	102	H

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

Pk - Peak detector

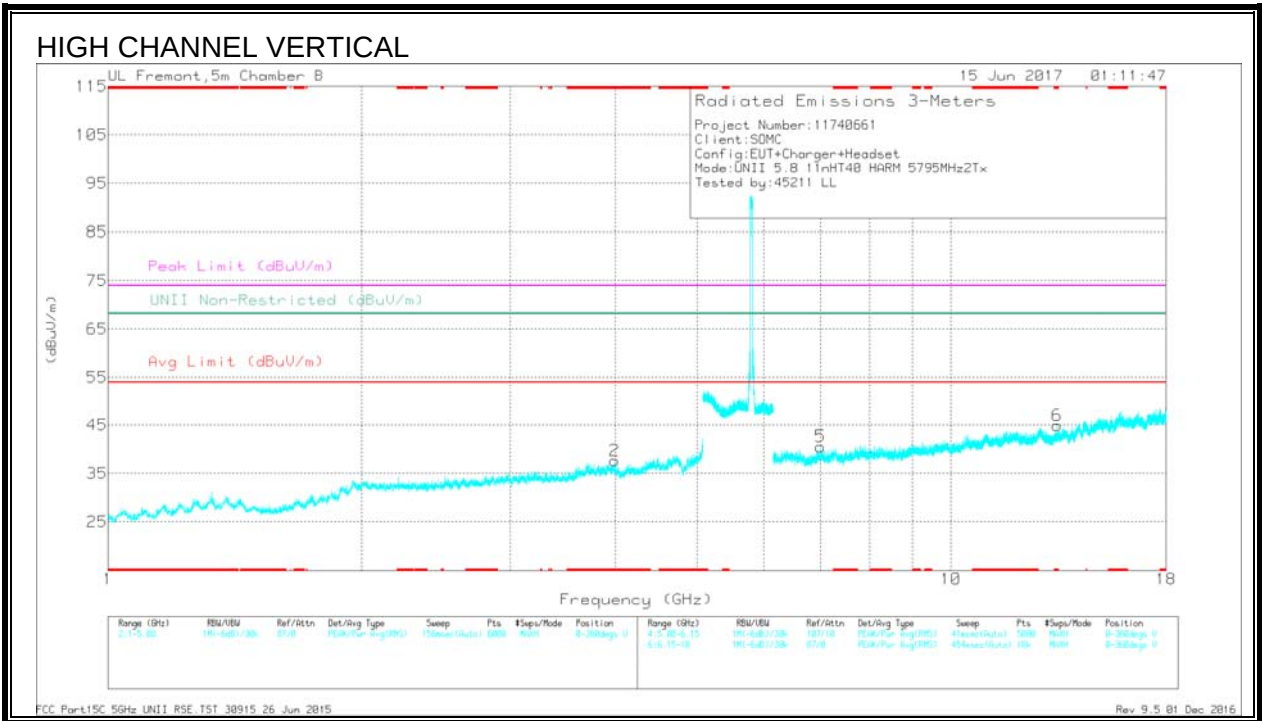
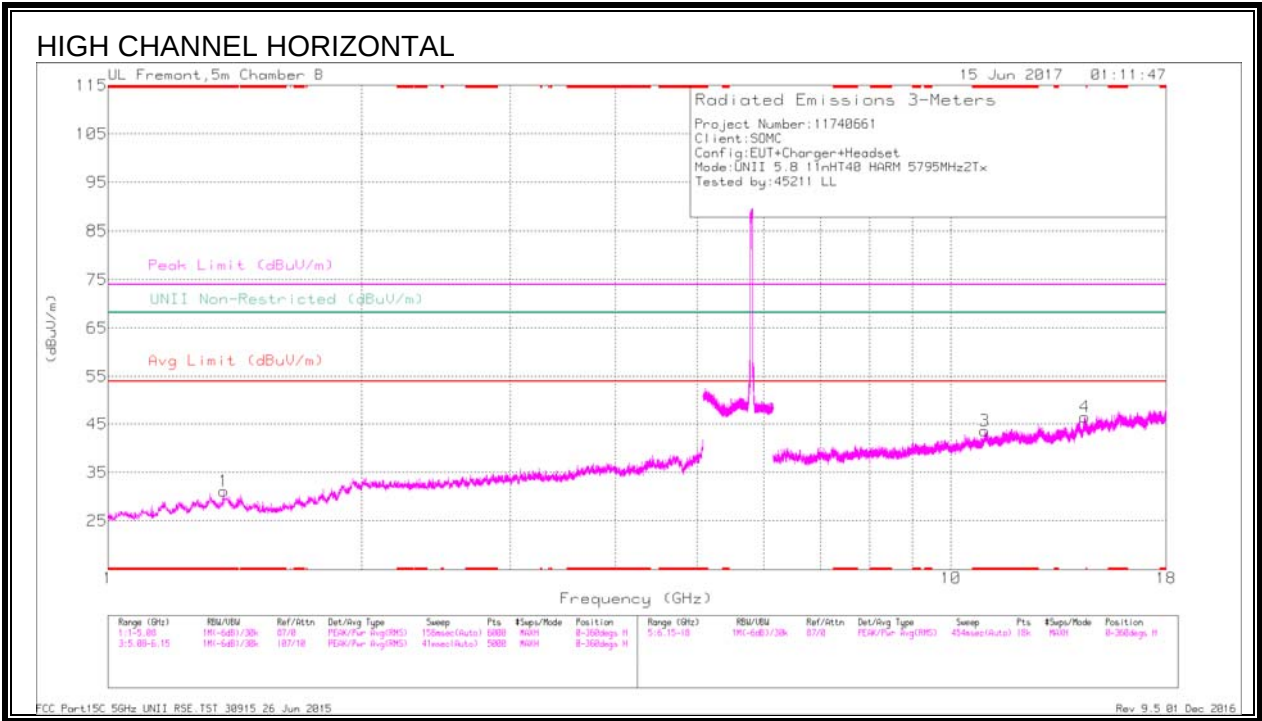
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cb/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)	Altitude (Degr)	Height (cm)	Polarity
* 3.52	39.71	PK-U	33.2	-30.9	0	42.01	-	-	74	-31.99	-	-	352	200	V
* 3.519	27.72	ADR	33.2	-30.9	.4	30.44	54	-23.56	-	-	-	-	352	200	V
* 8.499	35.97	PK-U	36.6	-26.1	0	46.47	-	-	74	-27.53	-	-	194	198	H
* 8.497	24.72	ADR	36.6	-26.1	.4	35.64	54	-18.36	-	-	-	-	194	198	H
* 10.975	33.5	PK-U	38.4	-22.5	0	49.4	-	-	74	-24.6	-	-	129	198	V
* 10.974	22.48	ADR	38.4	-22.5	.4	38.8	54	-15.2	-	-	-	-	129	198	V
* 15.863	31.49	PK-U	41.5	-19.7	0	53.29	-	-	74	-20.71	-	-	214	198	V
* 15.863	20.59	ADR	41.5	-19.7	.4	42.81	54	-11.19	-	-	-	-	214	198	V
2.047	40.35	PK-U	32.1	-32.6	0	39.85	-	-	-	-	68.2	-28.35	296	101	H
7.044	36.92	PK-U	36.1	-27.3	0	45.72	-	-	-	-	68.2	-22.48	266	104	H

* - indicates frequency in CFR15.205/IC8.10 RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cb/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)	Altitude (Deps)	Height (cm)	Polarity
1	* 1.371	35.71	Pk	28.8	-33.3	0	31.21	-	-	74	-42.79	-	-	0-360	199	H
2	* 3.99	33.32	Pk	33.7	-29.4	0	37.62	-	-	74	-36.38	-	-	0-360	200	V
3	* 10.972	27.77	Pk	38.4	-22.5	0	43.67	-	-	74	-30.33	-	-	0-360	199	H
6	* 13.359	27.72	Pk	39.6	-22.4	0	44.92	-	-	74	-29.08	-	-	0-360	200	V
5	7.004	31.47	Pk	36.2	-27.1	0	40.57	-	-	-	-	68.2	-27.63	0-360	102	V
4	14.426	27.43	Pk	40.8	-21.7	0	46.53	-	-	-	-	68.2	-21.67	0-360	199	H

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

Pk - Peak detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cb/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)	Altitude (Deps)	Height (cm)	Polarity
* 1.373	40.89	PK-U	28.8	-33.3	0	36.39	-	-	74	-37.61	-	-	241	199	H
* 1.373	29.71	ADR	28.8	-33.3	.4	25.63	54	-28.37	-	-	-	-	241	199	H
* 3.992	38.62	PK-U	33.7	-29.4	0	42.92	-	-	74	-31.08	-	-	181	199	V
* 3.992	27.51	ADR	33.7	-29.4	.4	32.23	54	-21.77	-	-	-	-	181	199	V
* 10.971	33.38	PK-U	38.4	-22.6	0	49.18	-	-	74	-24.82	-	-	200	199	H
* 10.972	22.5	ADR	38.4	-22.5	.4	38.82	54	-15.18	-	-	-	-	200	199	H
* 13.358	32.03	PK-U	39.6	-22.3	0	49.33	-	-	74	-24.67	-	-	286	200	V
* 13.359	21.43	ADR	39.6	-22.4	.4	39.05	54	-14.95	-	-	-	-	286	200	V
7.002	36.79	PK-U	36.2	-27.2	0	45.79	-	-	-	-	68.2	-22.41	60	104	V
14.424	32.76	PK-U	40.8	-21.7	0	51.86	-	-	-	-	68.2	-16.34	144	199	H

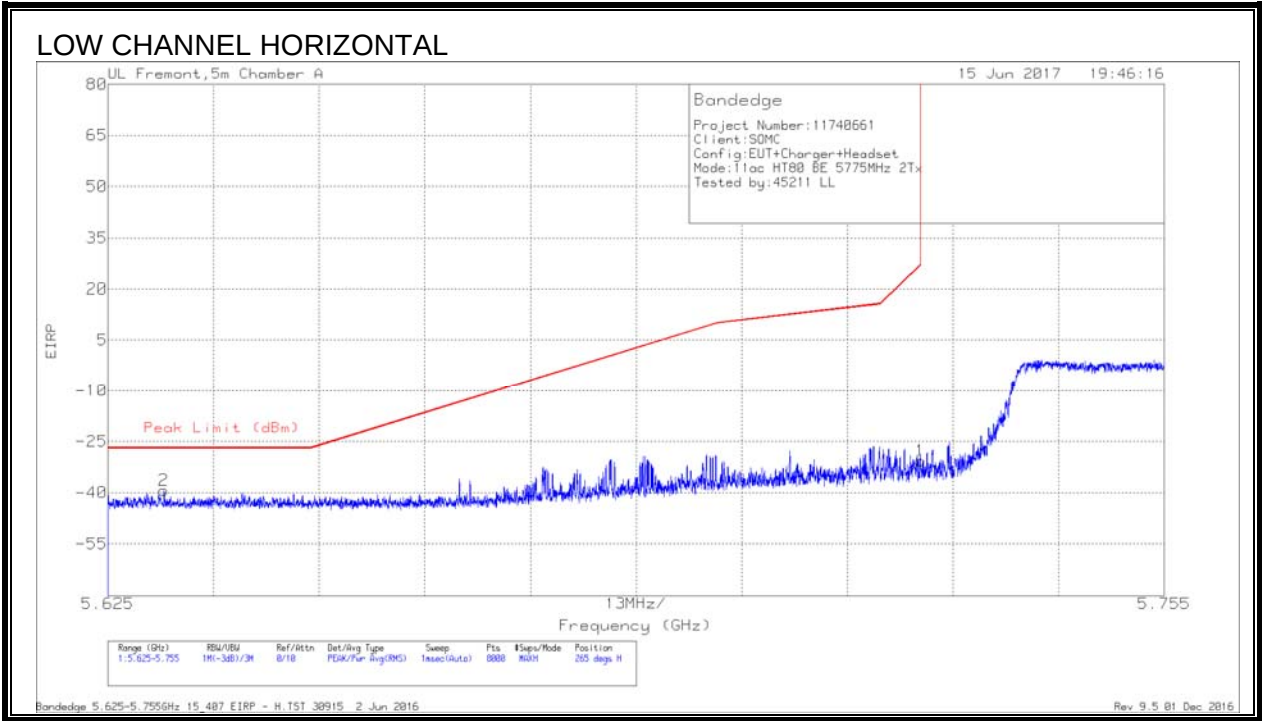
* - indicates frequency in CFR15.205/IC8.10 RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

11.1.16.11ac HT80 2TX CDD MIMO MODE IN THE 5.8GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T711 (dB/m)	Amp/Cbl/Filtr/Par d (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.632	-66.85	Pk	34.7	-19	11.8	-39.35	-27	-12.35	265	123	H
1	5.725	-58.22	Pk	34.8	-19	11.8	-30.62	27	-57.62	265	123	H

* - indicates frequency in CFR15.205/IC8.10 RSS-Restricted Band

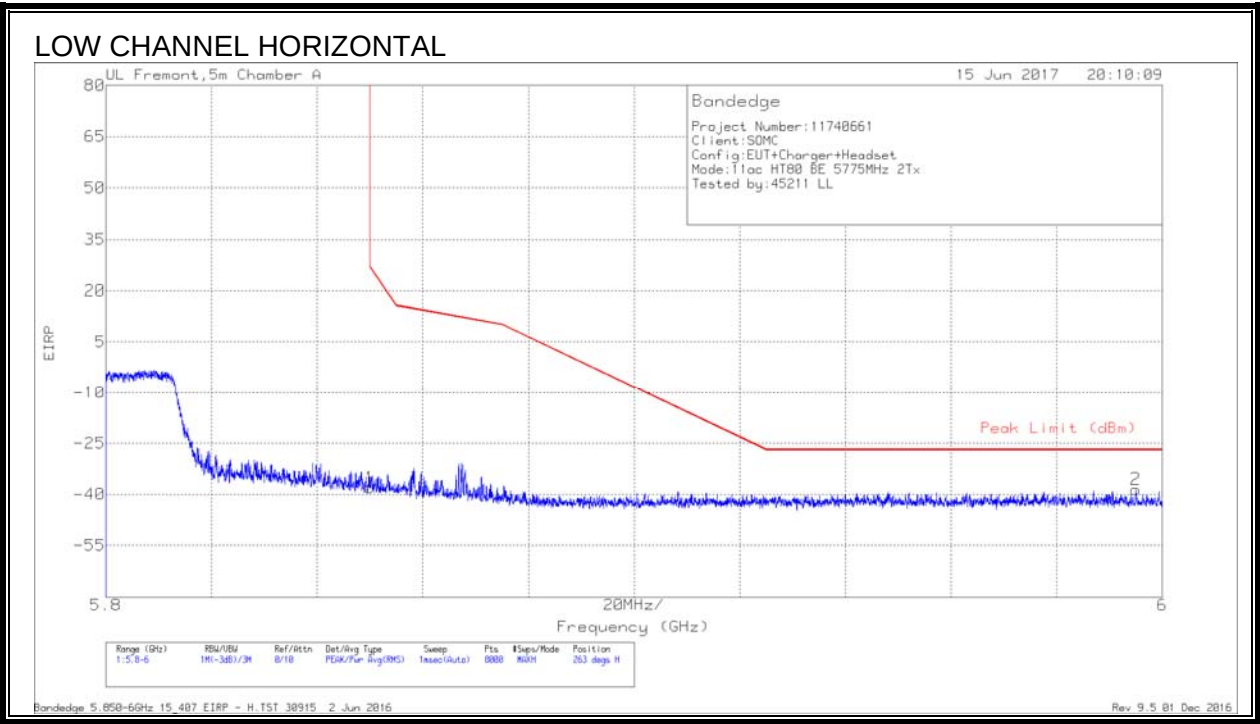
Pk - Peak detector



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T711 (dB/m)	Amp/Cbl/Filtr/Pa d (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.628	-67.56	Pk	34.7	-19	11.8	-40.06	-27	-13.06	313	258	V
1	5.725	-58.06	Pk	34.8	-19	11.8	-30.46	27	-57.46	313	258	V

Pk - Peak detector

AUTHORIZED BANDEDGE (HIGH CHANNEL)

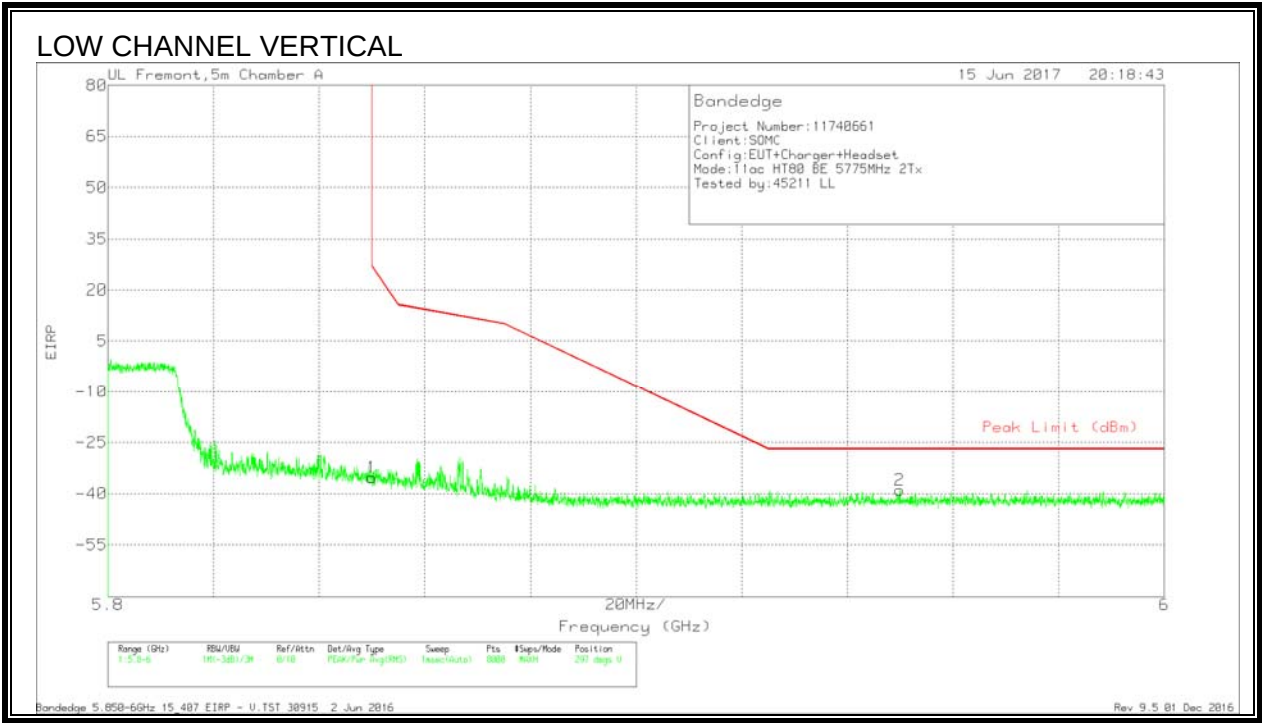


Trace Markers

* - indicates frequency

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T711 (dB/m)	Amp/Cbl/Fitr/Par d (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-65.76	Pk	34.8	-18.8	11.8	-37.96	26.99	-64.95	263	134	H
2	5.995	-66.9	Pk	35.2	-18.6	11.8	-38.5	-27	-11.5	263	134	H

in CFR15.205/IC8.10 RSS-Restricted Band
Pk - Peak detector



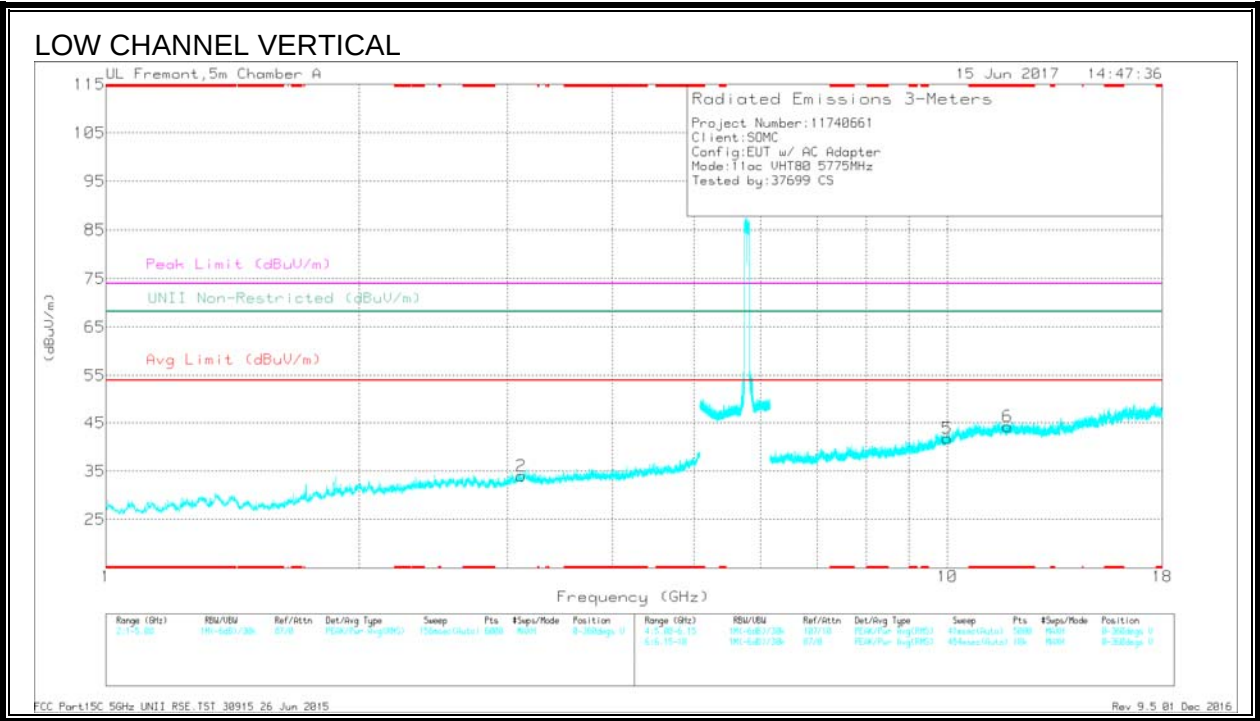
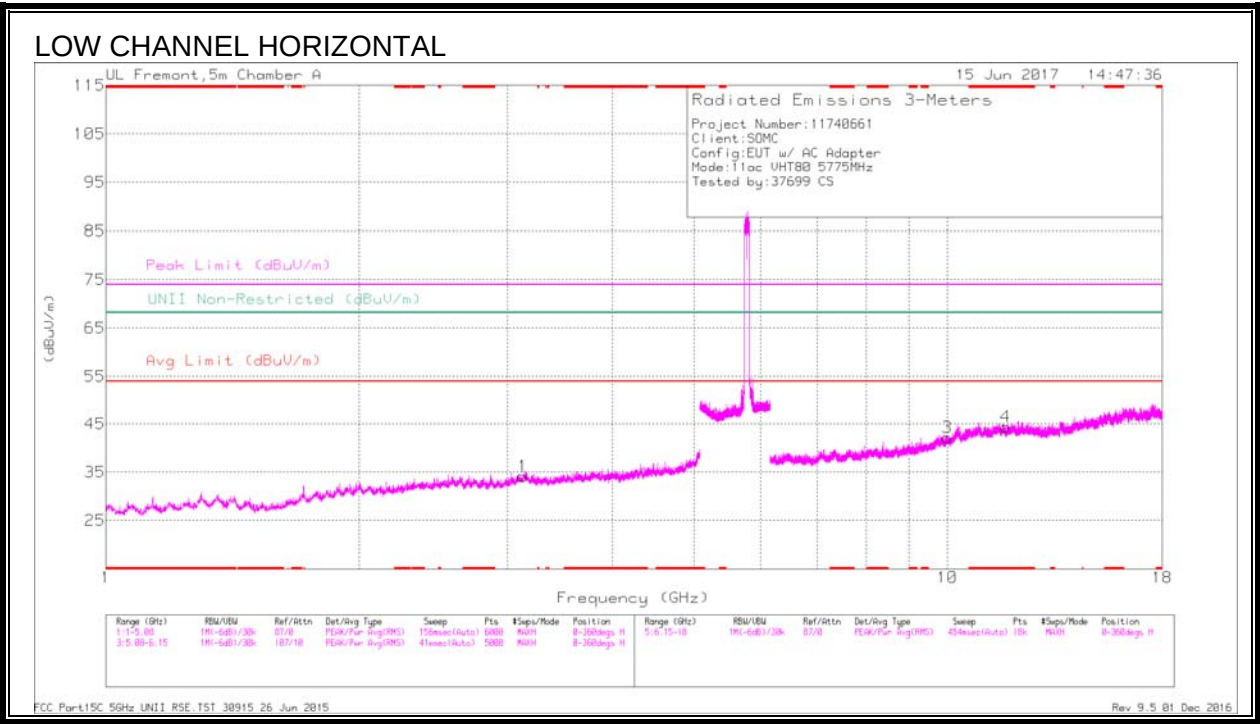
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T711 (dB/m)	Amp/Cbl/Filtr/Par d (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-63.13	Pk	34.8	-18.8	11.8	-35.33	26.99	-62.32	297	250	V
2	5.95	-67.36	Pk	35.1	-18.5	11.8	-38.96	-27	-11.96	297	250	V

* - indicates frequency in CFR15.205/IC8.10 RSS-Restricted Band

Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF1711 (dB/m)	Amp/Cb/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	U-NII Non-Restricted (dBuV/m)	PK Margin (dB)	Altitude (Deps)	Height (cm)	Polarity
4	* 11.731	26.35	Pk	38.3	-20.3	0	44.35	-	-	74	-29.65	-	-	0-360	199	H
6	* 11.786	26.01	Pk	38.4	-20.1	0	44.31	-	-	74	-29.69	-	-	0-360	101	V
2	3.114	31.54	Pk	33	-30.5	0	34.04	-	-	-	-	68.2	-34.16	0-360	200	V
1	3.129	31.52	Pk	33	-30.4	0	34.12	-	-	-	-	68.2	-34.08	0-360	101	H
5	9.992	26.03	Pk	36.9	-21.1	0	41.83	-	-	-	-	68.2	-26.37	0-360	200	V
3	9.995	26.42	Pk	36.9	-21.1	0	42.22	-	-	-	-	68.2	-25.98	0-360	101	H

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

Pk - Peak detector

Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF1711 (dB/m)	Amp/Cb/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	U-NII Non-Restricted (dBuV/m)	PK Margin (dB)	Altitude (Deps)	Height (cm)	Polarity
4	* 11.731	31.99	PK-U	38.3	-20.3	0	49.99	-	-	74	-24.01	-	-	348	287	H
	* 11.73	21	ADR	38.3	-20.3	.75	39.72	54	-14.04	-	-	-	-	348	287	H
6	* 11.786	32.08	PK-U	38.4	-20.1	0	50.38	-	-	74	-23.62	-	-	297	101	V
	* 11.787	21.26	ADR	38.4	-20	.75	40.38	54	-13.38	-	-	-	-	297	101	V
2	3.114	38.56	PK-U	33	-30.5	0	41.06	-	-	-	-	68.2	-27.14	124	234	V
1	3.128	37.88	PK-U	33	-30.4	0	40.48	-	-	-	-	68.2	-27.72	148	115	H
5	9.991	33.05	PK-U	36.9	-21.1	0	48.85	-	-	-	-	68.2	-19.35	302	201	V
3	9.995	32.62	PK-U	36.9	-21.1	0	48.42	-	-	-	-	68.2	-19.78	294	128	H

* - indicates frequency in CFR15.205/IC8.10 RSS-Restricted Band

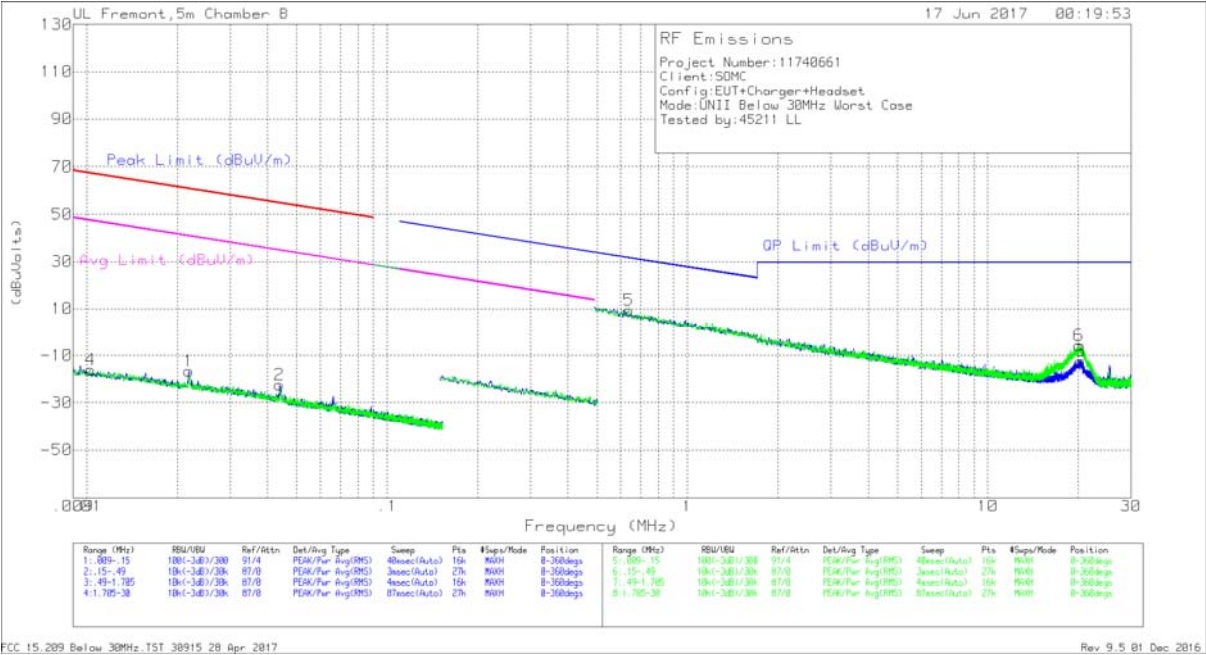
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

11.2. WORST CASE BELOW 30 MHz

SPURIOUS EMISSIONS BELOW 30 MHz (WORST-CASE CONFIGURATION)

HORIZONTAL AND VERTICAL PLOT



NOTE: KDB 414788 OATS and Chamber Correlation Justification

- Based on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field.
- OATs and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

Trace Markers

Marker	Frequency	Meter	Det	Loop Antenna (dB/m)	Cbl (dB)	Dist Corr 300m	Corrected	Peak Limit (dBuV/m)	Margin	Avg Limit (dBuV/m)	Margin	QP Limit (dBuV/m)	Margin	QP Limit (dBuV/m)	Margin	Peak Limit (dBuV/m)	Margin	Avg Limit (dBuV/m)	Margin	Azimuth
4	0.01029	43.1	Pk	19.4	1.4	-80	-16.1	67.34	-83.44	47.34	-63.44	-	-	-	-	-	-	-	-	0-360
1	0.02186	46.84	Pk	15.1	1.4	-80	-16.66	60.79	-77.45	40.79	-57.45	-	-	-	-	-	-	-	-	0-360
2	0.04388	43.01	Pk	13	1.4	-80	-22.59	54.74	-77.33	34.74	-57.33	-	-	-	-	-	-	-	-	0-360

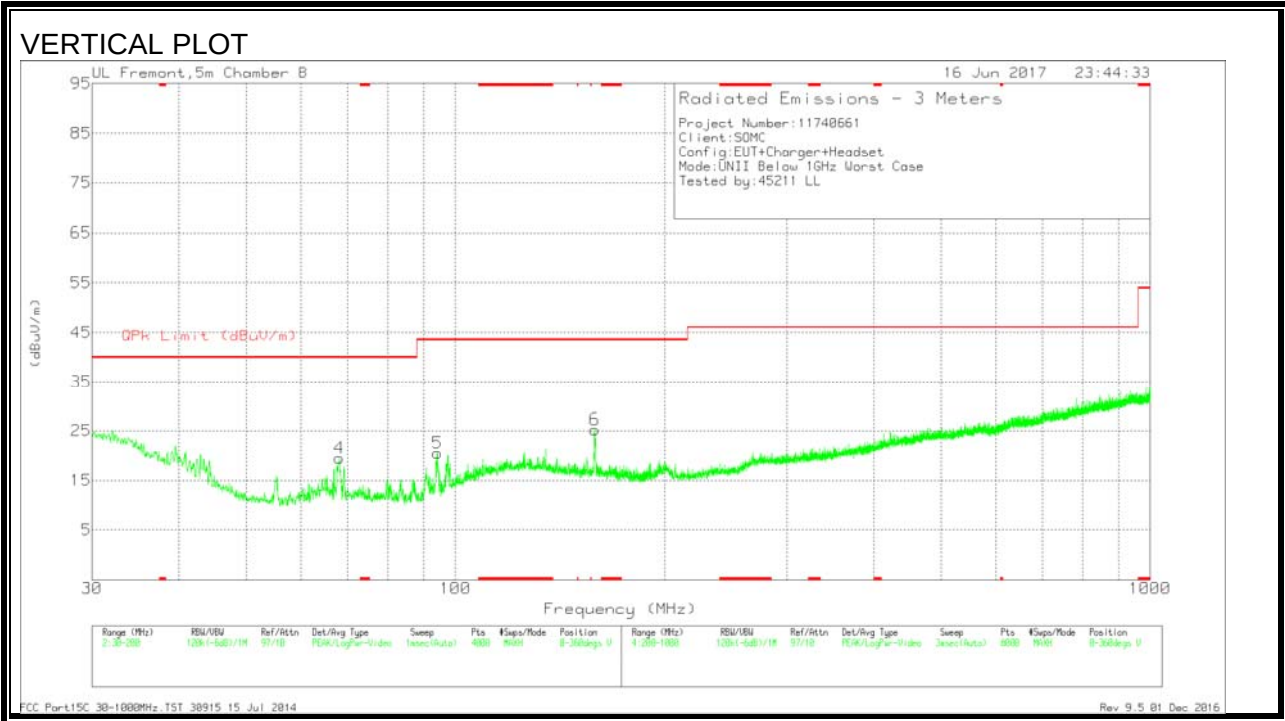
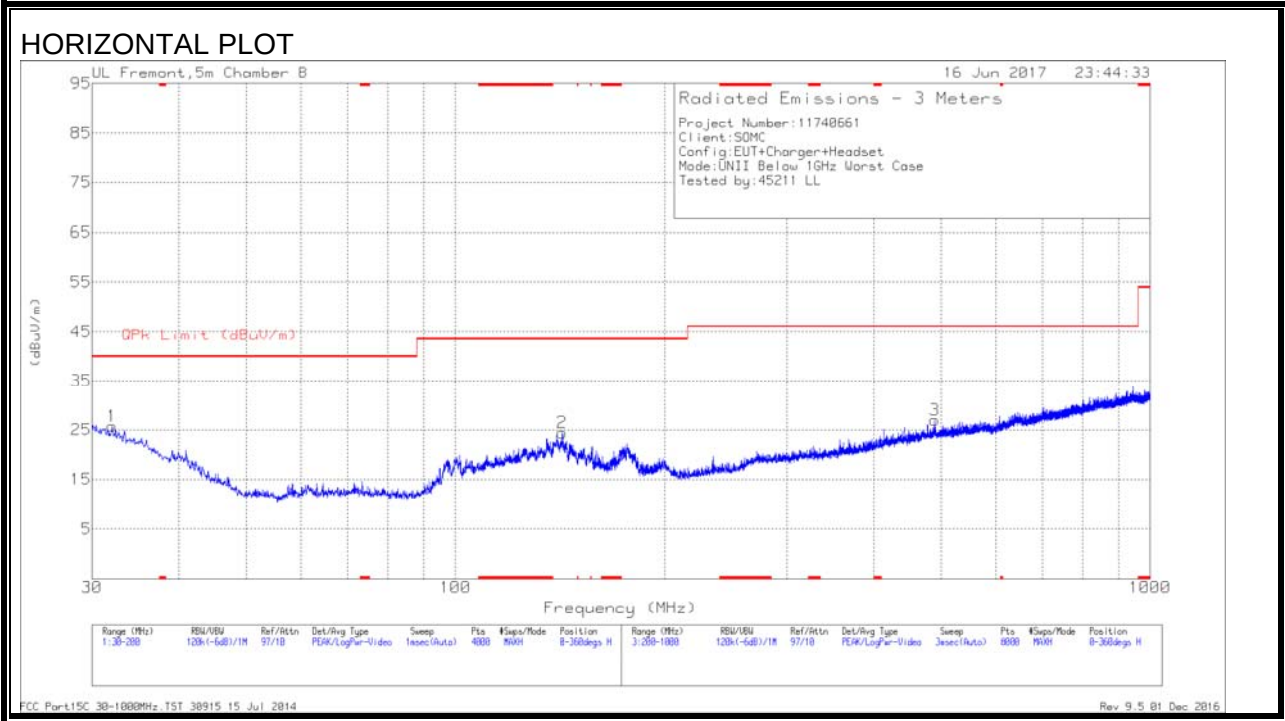
Pk - Peak detector

Marker	Frequency	Meter	Det	Loop Antenna (dB/m)	Cbl (dB)	Dist Corr 300m	Corrected	Peak Limit (dBuV/m)	Margin	Avg Limit (dBuV/m)	Margin	QP Limit (dBuV/m)	Margin	QP Limit (dBuV/m)	Margin	Peak Limit (dBuV/m)	Margin	Avg Limit (dBuV/m)	Margin	Azimuth
5	0.63634	36.48	Pk	11.5	1.5	-40	9.48	-	-	-	-	-	-	31.54	-22.06	-	-	-	-	0-360
6	20.1105	22.77	Pk	9.7	1.7	-40	-5.83	-	-	-	-	-	-	29.5	-35.33	-	-	-	-	0-360
3	20.3615	16.42	Pk	9.6	1.7	-40	-12.28	-	-	-	-	-	-	29.5	-41.78	-	-	-	-	0-360

Pk - Peak detector

11.3. WORST-CASE BELOW 1 GHz

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



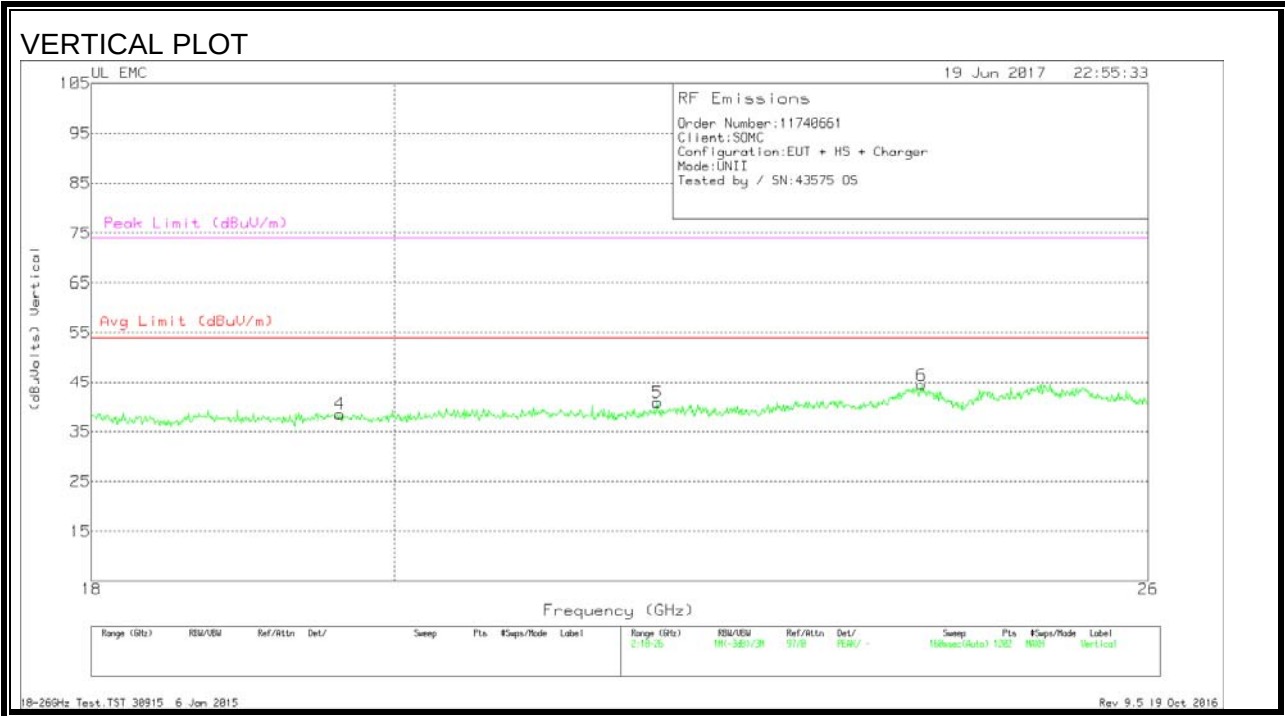
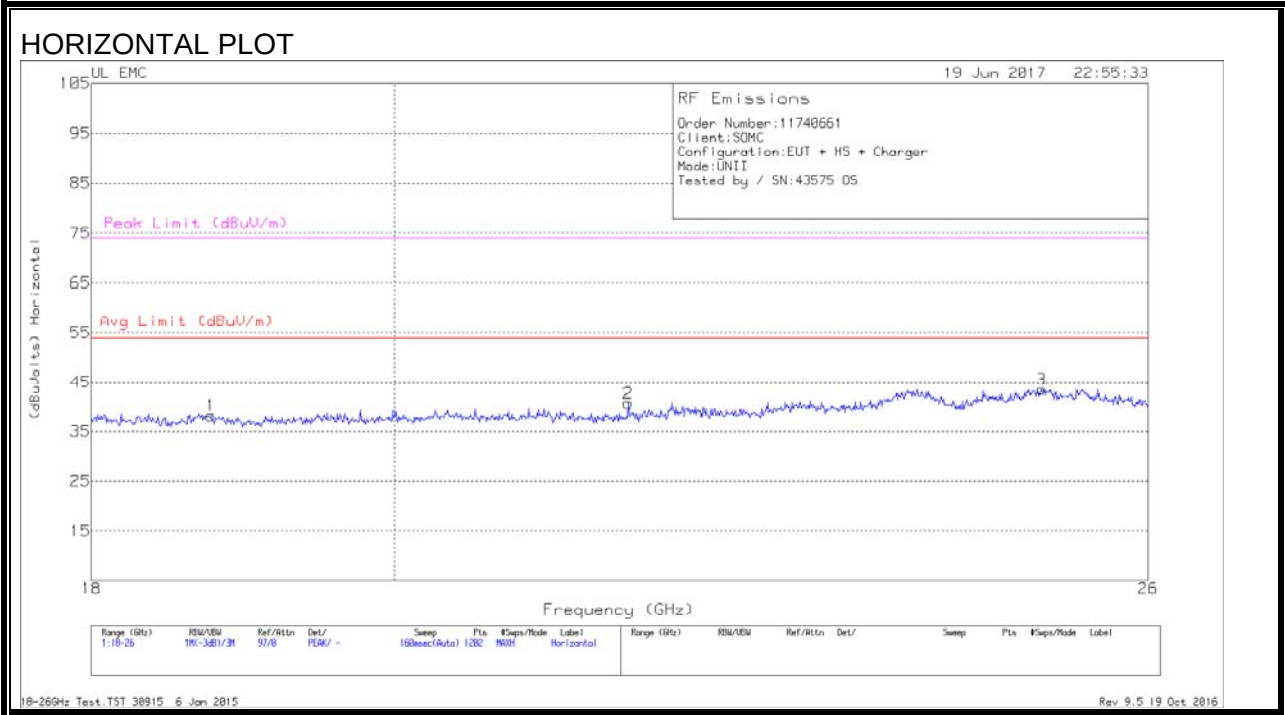
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T477 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	32.083	30.76	Pk	23.8	-28.8	25.76	40	-14.24	0-360	100	H
4	68.1324	35.96	Pk	11.9	-28.3	19.56	40	-20.44	0-360	100	V
5	94.1916	35.94	Pk	12.6	-28	20.54	43.52	-22.98	0-360	100	V
2	142.6116	35.1	Pk	16.7	-27.4	24.4	43.52	-19.12	0-360	100	H
6	158.6808	36.18	Pk	16.3	-27.2	25.28	43.52	-18.24	0-360	100	V
3	489.3376	31.1	Pk	21.7	-25.8	27	46.02	-19.02	0-360	200	H

Pk - Peak detector

11.4. **WORST-CASE 18 to 26 GHz**

SPURIOUS EMISSIONS 18 TO 26 GHz (WORST-CASE CONFIGURATION, HORIZONTAL & VERTICAL)



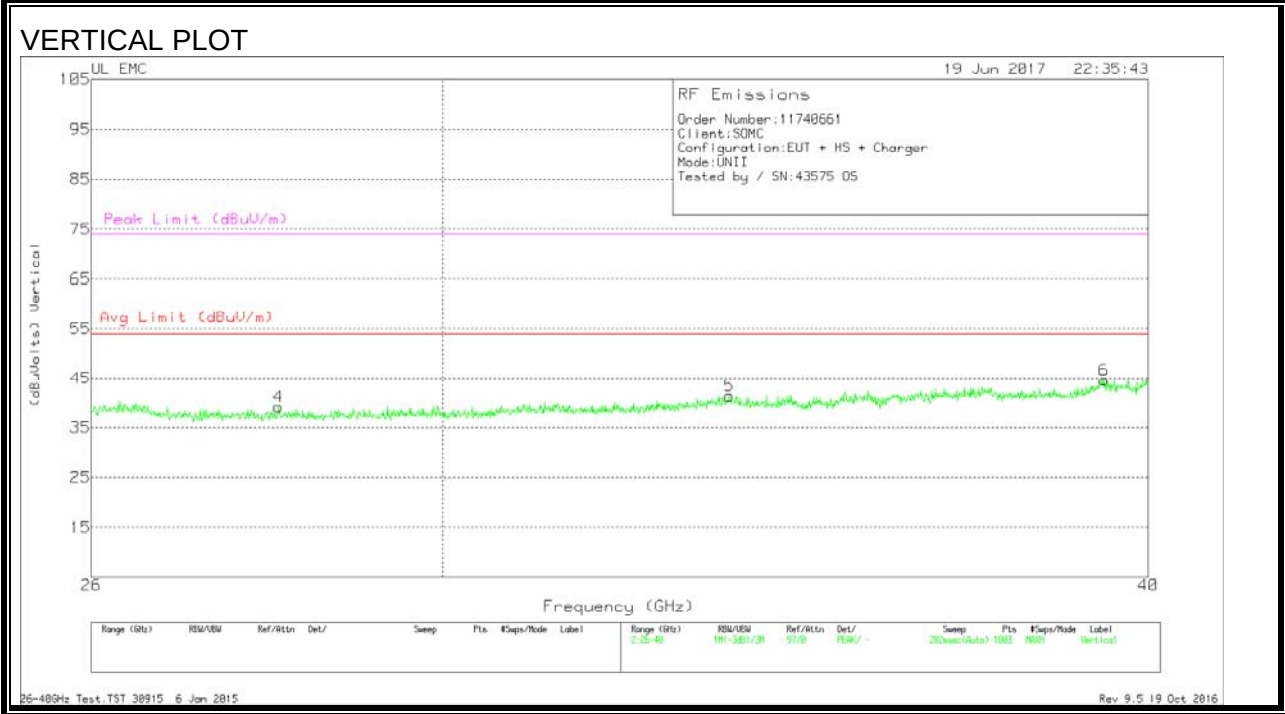
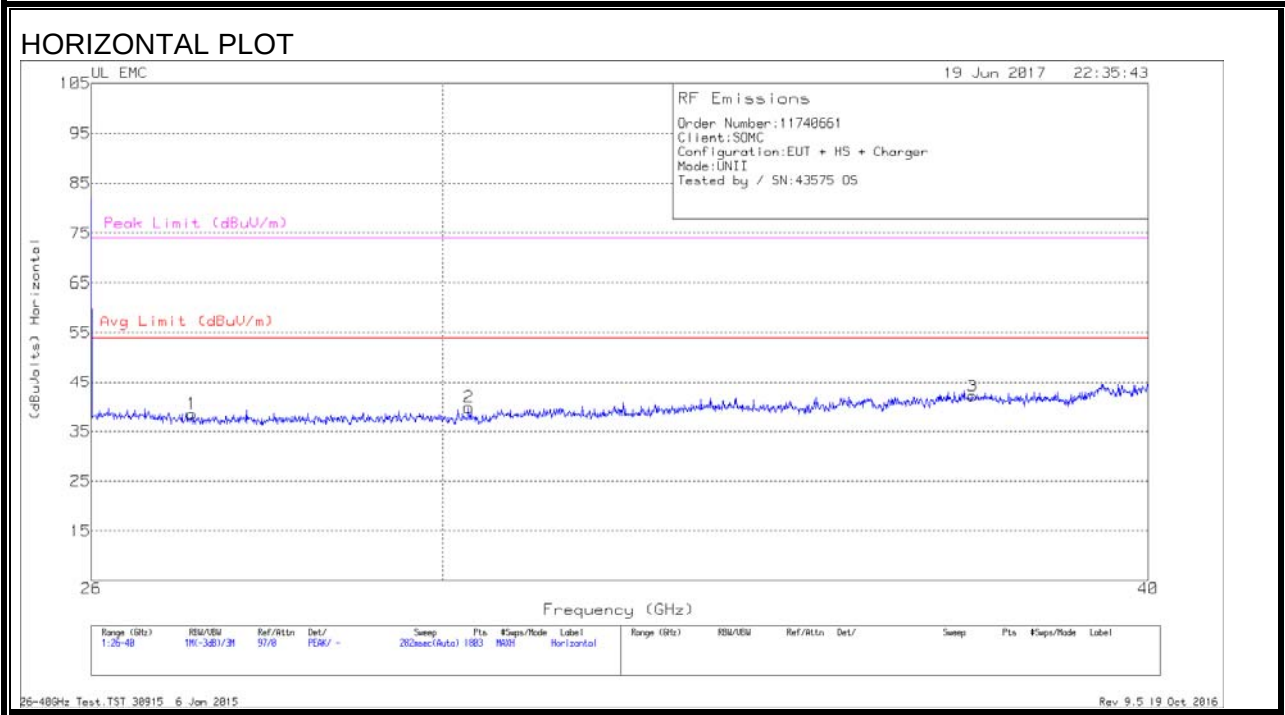
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T449 (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Corrected Reading (dBuVolts)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)
1	18.766	40.27	Pk	32.3	-24.9	-9.5	38.17	54	-15.83	74	-35.83
2	21.697	41.57	Pk	33.2	-24.6	-9.5	40.67	54	-13.33	74	-33.33
3	25.054	43.6	Pk	34.4	-25	-9.5	43.5	54	-10.5	74	-30.5
4	19.625	40.2	Pk	32.7	-24.9	-9.5	38.5	54	-15.5	74	-35.5
5	21.917	42.23	Pk	33.3	-25.2	-9.5	40.83	54	-13.17	74	-33.17
6	24.028	44.2	Pk	33.9	-24.1	-9.5	44.5	54	-9.5	74	-29.5

Pk - Peak detector

11.5. WORST-CASE 26 to 40 GHz

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



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	T90 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Corrected Reading (dBuVolts)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)
1	27.088	44	Pk	35.5	-31.5	-9.5	38.5	54	-15.5	74	-35.5
2	30.32	46.63	Pk	35.9	-33.2	-9.5	39.83	54	-14.17	74	-34.17
3	37.234	48.67	Pk	37.3	-34.3	-9.5	42.17	54	-11.83	74	-31.83
4	28.059	44.87	Pk	35.8	-32	-9.5	39.17	54	-14.83	74	-34.83
5	33.723	47.43	Pk	36.9	-33.5	-9.5	41.33	54	-12.67	74	-32.67
6	39.285	48.27	Pk	38.4	-32.5	-9.5	44.67	54	-9.33	74	-29.33

Pk - Peak detector

12. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

RSS-Gen 8.8

Frequency of Emission (MHz)	Conducted Limit (dB μ V)	
	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

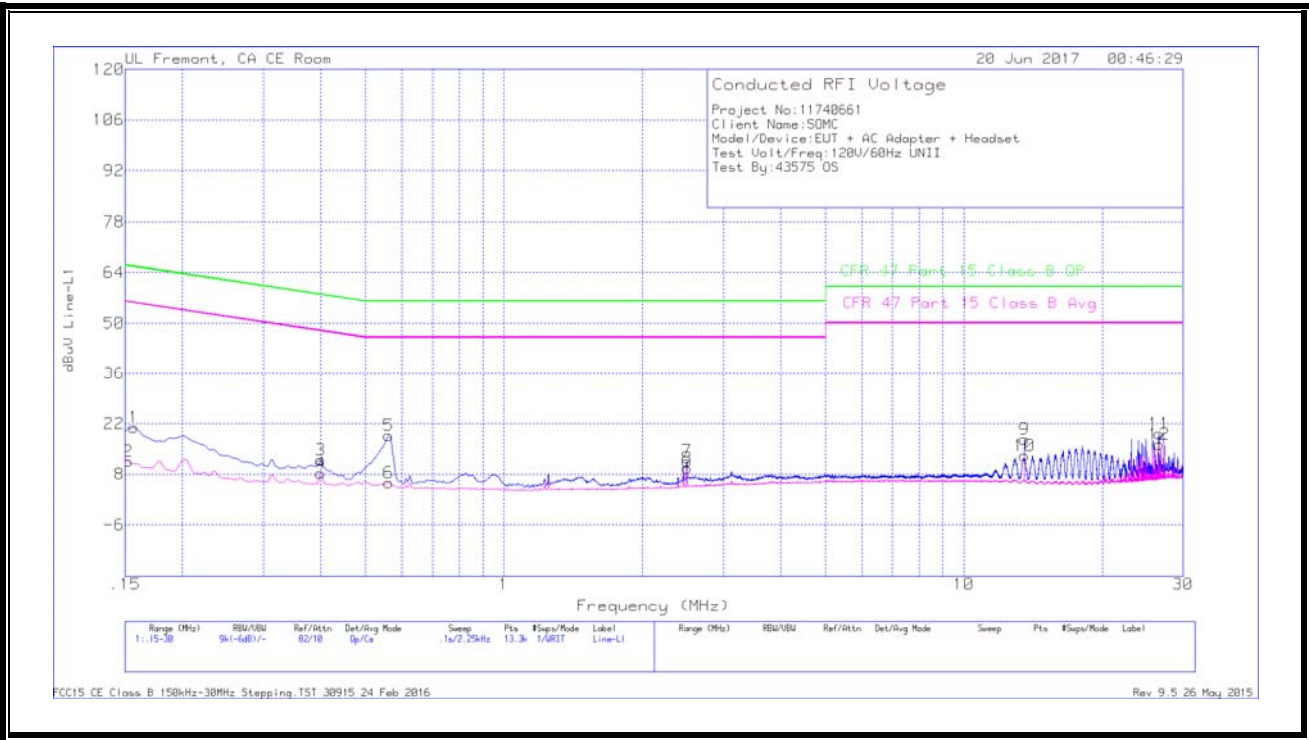
The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.10.

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



WORST EMISSIONS

Trace Markers

Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL 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	9.56	Qp	1.2	.1	10.1	20.96	65.63	-44.67	-	-
2	.15225	.04	Ca	1.3	.1	10.1	11.54	-	-	55.88	-44.34
3	.39975	1.41	Qp	.4	.1	10.1	12.01	57.86	-45.85	-	-
4	.39975	-2.3	Ca	.4	.1	10.1	8.3	-	-	47.86	-39.56
5	.56175	8.2	Qp	.3	.1	10.1	18.7	56	-37.3	-	-
6	.56175	-4.82	Ca	.3	.1	10.1	5.68	-	-	46	-40.32
7	2.499	1.27	Qp	.2	.1	10.1	11.67	56	-44.33	-	-
8	2.499	-.78	Ca	.2	.1	10.1	9.62	-	-	46	-36.38
9	13.56	7.14	Qp	.2	.2	10.2	17.74	60	-42.26	-	-
10	13.56	2.59	Ca	.2	.2	10.2	13.19	-	-	50	-36.81
11	26.61225	8.07	Qp	.3	.3	10.5	19.17	60	-40.83	-	-
12	26.61225	5.11	Ca	.3	.3	10.5	16.21	-	-	50	-33.79

Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 2 RESULTS



WORST EMISSIONS

Trace Markers

Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL 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	.1995	13.64	Qp	1	.1	10.1	24.84	63.63	-38.79	-	-
14	.20175	8.83	Ca	1	.1	10.1	20.03	-	-	53.54	-33.51
15	.39975	10.73	Qp	.4	.1	10.1	21.33	57.86	-36.53	-	-
16	.39975	6.28	Ca	.4	.1	10.1	16.88	-	-	47.86	-30.98
17	.56175	8.16	Qp	.3	.1	10.1	18.66	56	-37.34	-	-
18	.5595	-4	Ca	.3	.1	10.1	6.5	-	-	46	-39.5
19	2.499	9.19	Qp	.2	.1	10.1	19.59	56	-36.41	-	-
20	2.499	7.65	Ca	.2	.1	10.1	18.05	-	-	46	-27.95
21	13.56	6.81	Qp	.3	.2	10.2	17.51	60	-42.49	-	-
22	13.56	1.97	Ca	.3	.2	10.2	12.67	-	-	50	-37.33
23	26.61225	10.09	Qp	.3	.3	10.5	21.19	60	-38.81	-	-
24	26.61225	6.99	Ca	.3	.3	10.5	18.09	-	-	50	-31.91

Qp - Quasi-Peak detector

Ca - CISPR average detection