



9. RADIATED TEST RESULTS

LIMITS

FCC §15.205 and §15.209

Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
0.009-0.490	2400/F(kHz) @ 300 m	-
0.490-1.705	24000/F(kHz) @ 30 m	-
1.705 - 30	30 @ 30m	-
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane for measurement below 1GHz; 1.5 m above the ground plane for measurement above 1GHz. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For pre-scans above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 30 KHz for peak measurements.

For final measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and as applicable for average measurements.

The spectrum from 1 GHz to 18 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band. Below 1GHz and above 18GHz emissions, the channel with the highest output power was tested.

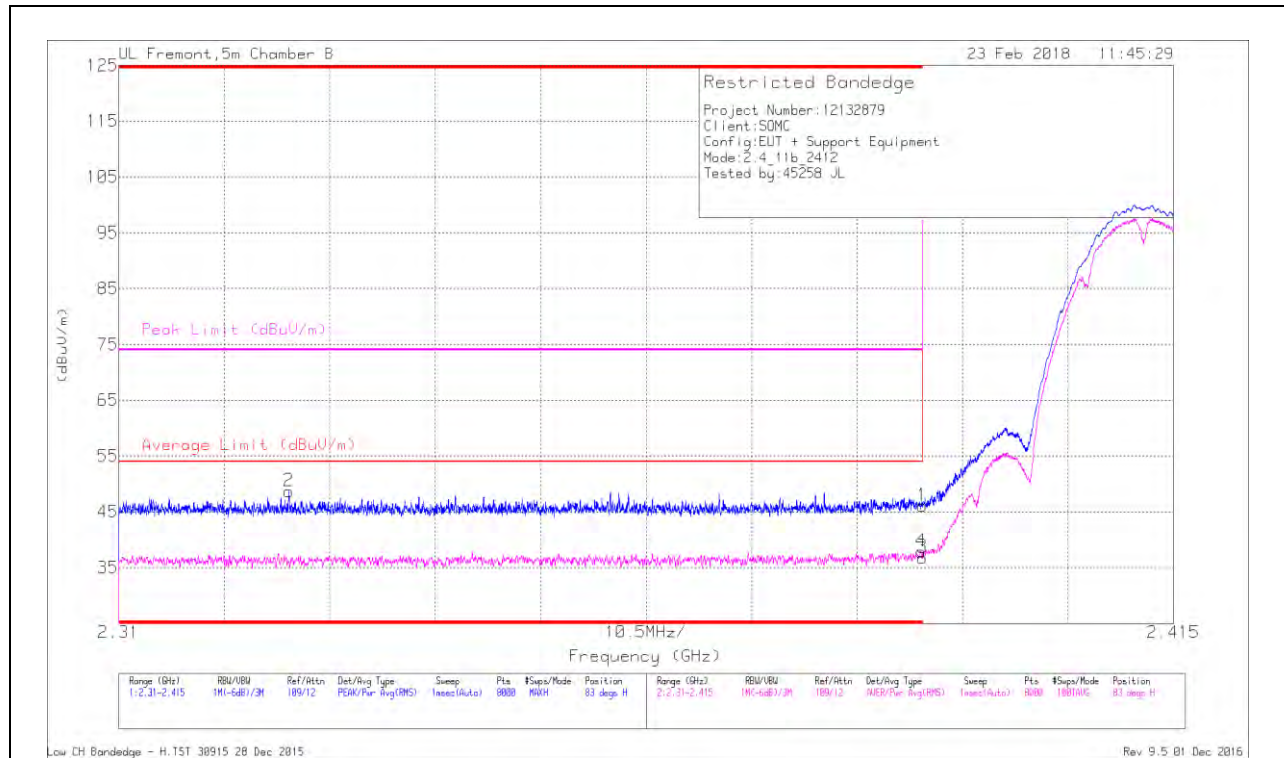
The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions.

9.1. TRANSMITTER ABOVE 1 GHz

9.1.1. TX ABOVE 1 GHz 802.11b MODE IN THE 2.4 GHz BAND

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



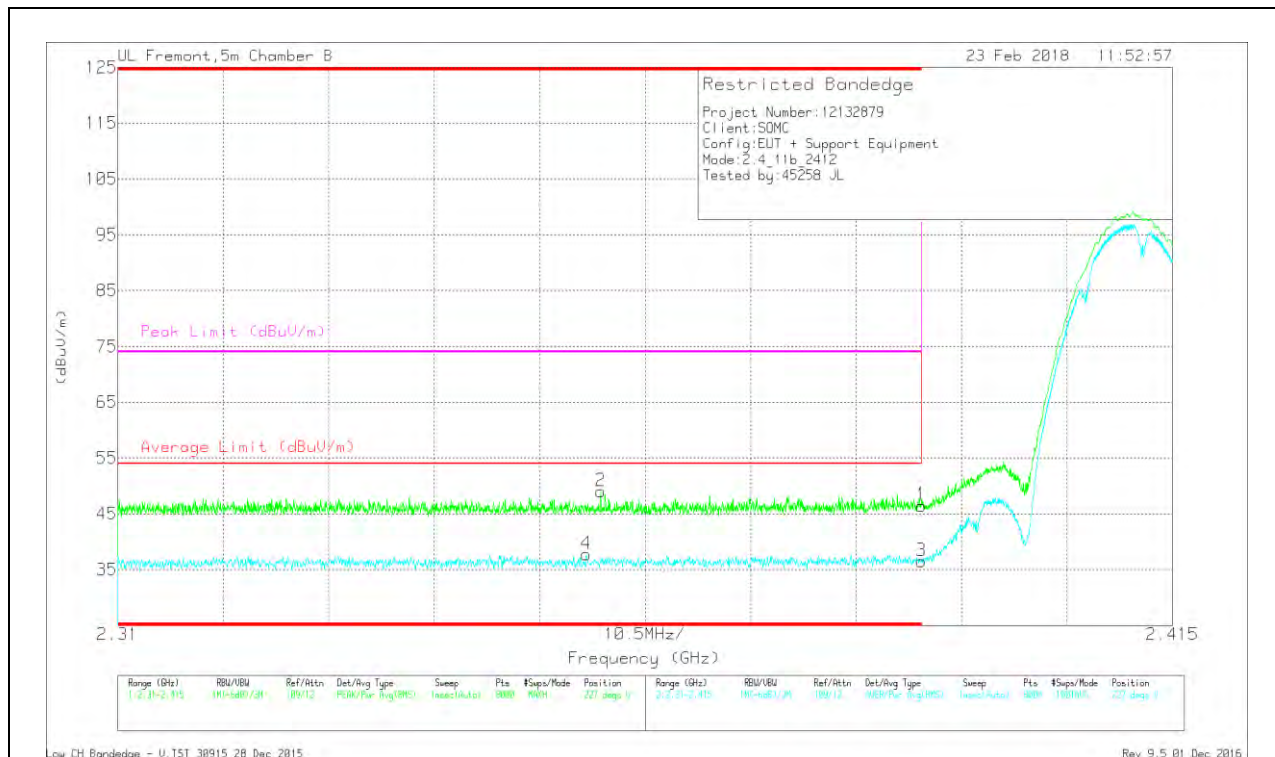
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/Cb/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	35.39	Pk	32	-21.3	0	46.09	-	-	74	-27.91	83	261	H
2	* 2.327	38.08	Pk	31.9	-21.3	0	48.68	-	-	74	-25.32	83	261	H
3	* 2.39	26.12	RMS	32	-21.3	0	36.82	54	-17.18	-	-	83	261	H
4	* 2.39	27.2	RMS	32	-21.3	0	37.9	54	-16.1	-	-	83	261	H

* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/ICbIFtr/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
4	* 2.357	27.12	RMS	31.9	-21.3	0	37.72	54	-16.28	-	-	227	292	V
2	* 2.358	38.43	Pk	31.9	-21.3	0	49.03	-	-	74	-24.97	227	292	V
1	* 2.39	35.8	Pk	32	-21.3	0	46.5	-	-	74	-27.5	227	292	V
3	* 2.39	25.81	RMS	32	-21.3	0	36.51	54	-17.49	-	-	227	292	V

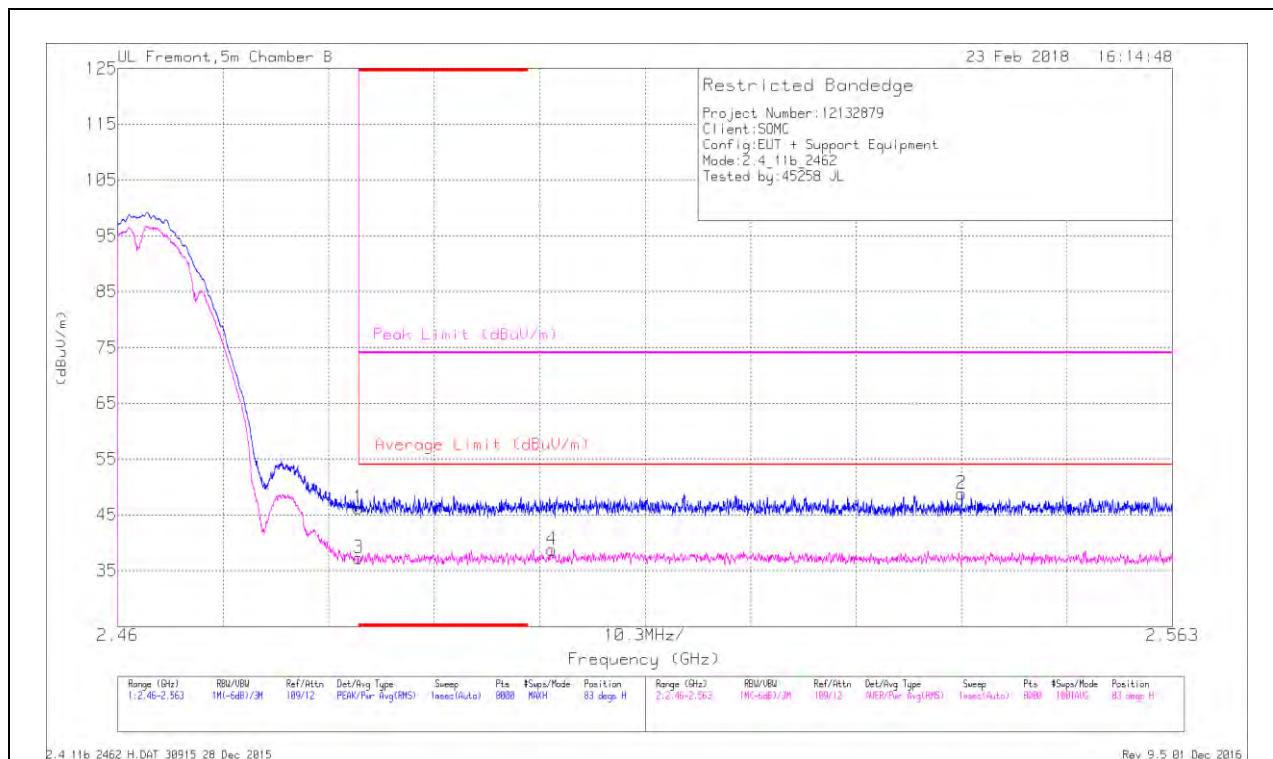
* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT



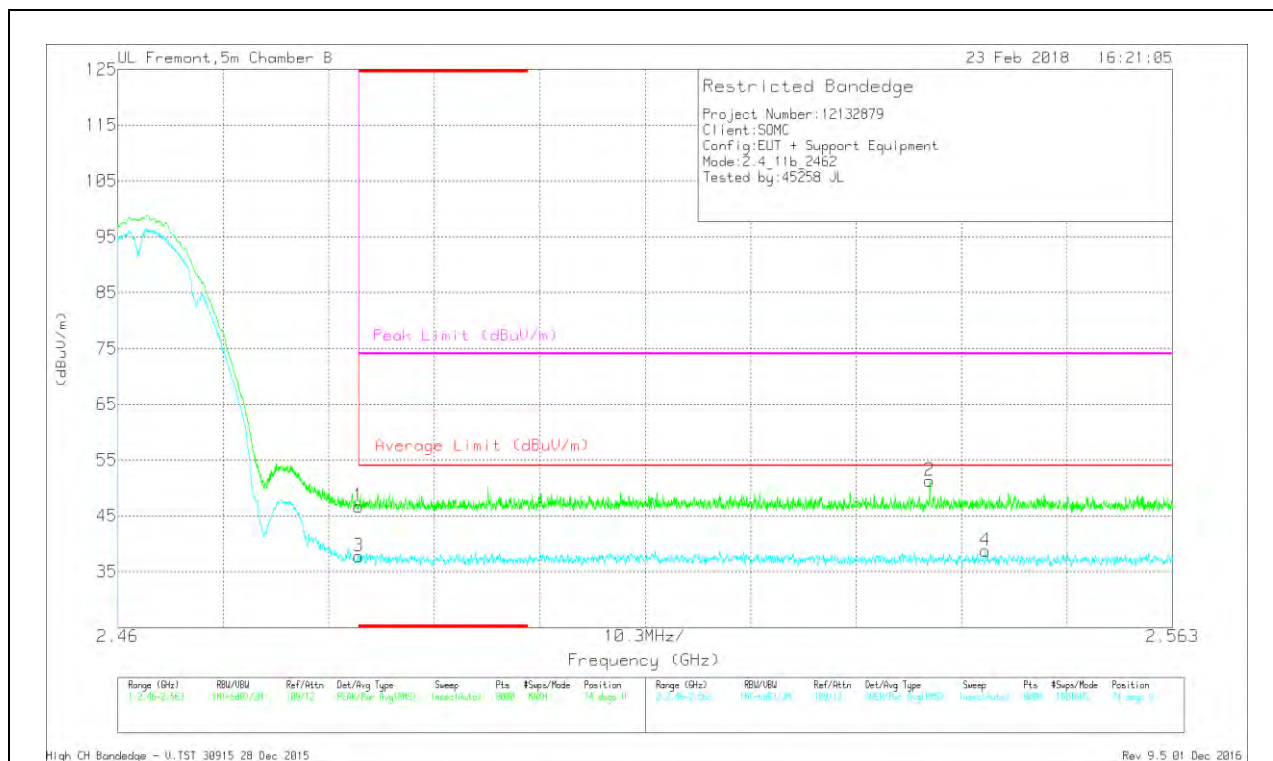
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/Cb/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	34.98	Pk	32.5	-21.3	0	46.18	-	-	74	-27.82	83	176	H
3	* 2.484	26.04	RMS	32.5	-21.3	0	37.24	54	-16.76	-	-	83	176	H
4	2.502	27.2	RMS	32.6	-21.1	0	38.7	54	-15.3	-	-	83	176	H
2	2.542	37.53	Pk	32.5	-21.2	0	48.83	-	-	74	-25.17	83	176	H

* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/CbIFtr/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	* 2.484	35.51	Pk	32.5	-21.3	0	46.71	-	-	74	-27.29	74	184	V
3	* 2.484	26.55	RMS	32.5	-21.3	0	37.75	54	-16.25	-	-	74	184	V
2	2.539	39.88	Pk	32.5	-21.1	0	51.28	-	-	74	-22.72	74	184	V
4	2.545	27.37	RMS	32.5	-21.1	0	38.77	54	-15.23	-	-	74	184	V

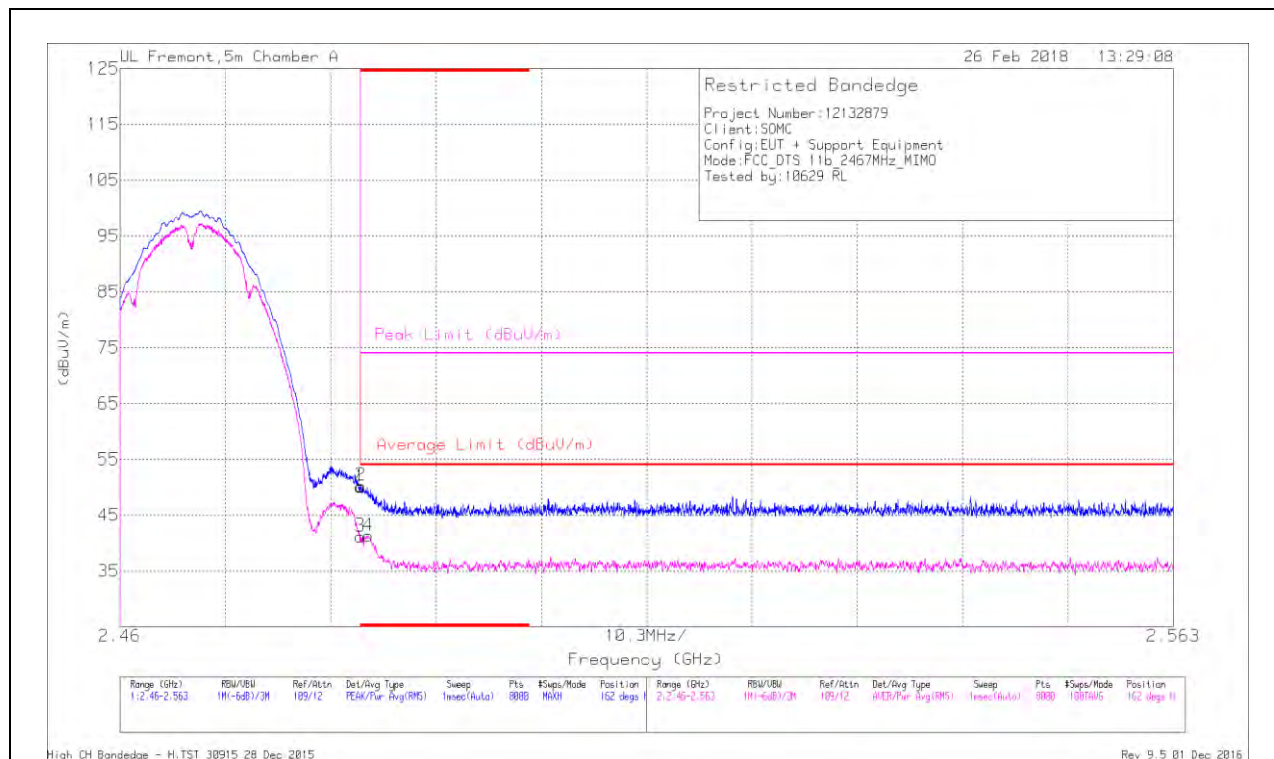
* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEGE (HIGH CHANNEL, CH 12)

HORIZONTAL RESULT



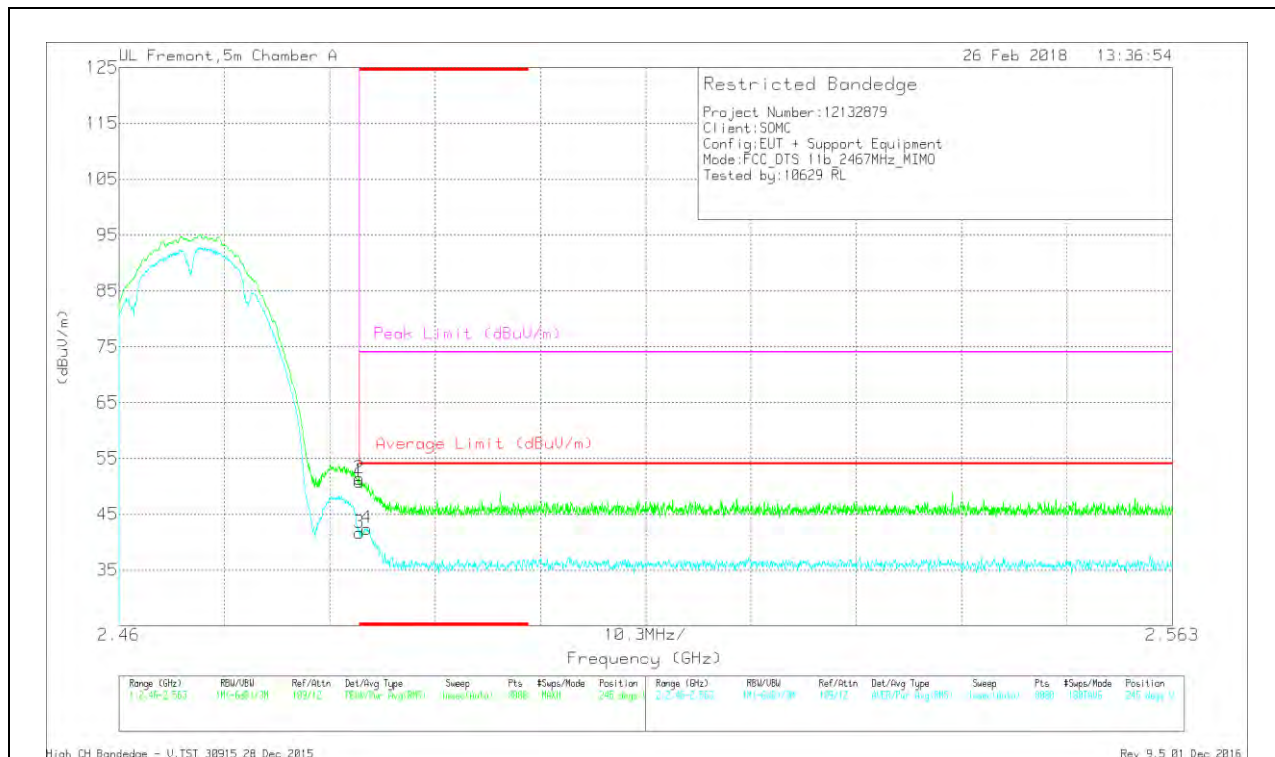
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dBm)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	41.16	Pk	32.3	-23.4	0	50.06	-	-	74	-23.94	162	101	H
2	* 2.484	41.36	Pk	32.3	-23.4	0	50.26	-	-	74	-23.74	162	101	H
3	* 2.484	32.29	RMS	32.3	-23.4	0	41.19	54	-12.81	-	-	162	101	H
4	* 2.484	32.36	RMS	32.3	-23.4	0	41.26	54	-12.74	-	-	162	101	H

* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBUV)	Det	AF T862 (dBm)	Amp/Chl/Ittr/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	* 2.484	41.95	Pk	32.3	-23.4	0	50.85	-	-	74	-23.15	245	130	V
2	* 2.484	42.49	Pk	32.3	-23.4	0	51.39	-	-	74	-22.61	245	130	V
3	* 2.484	32.76	RMS	32.3	-23.4	0	41.66	54	-12.34	-	-	245	130	V
4	* 2.484	33.55	RMS	32.3	-23.4	0	42.45	54	-11.55	-	-	245	130	V

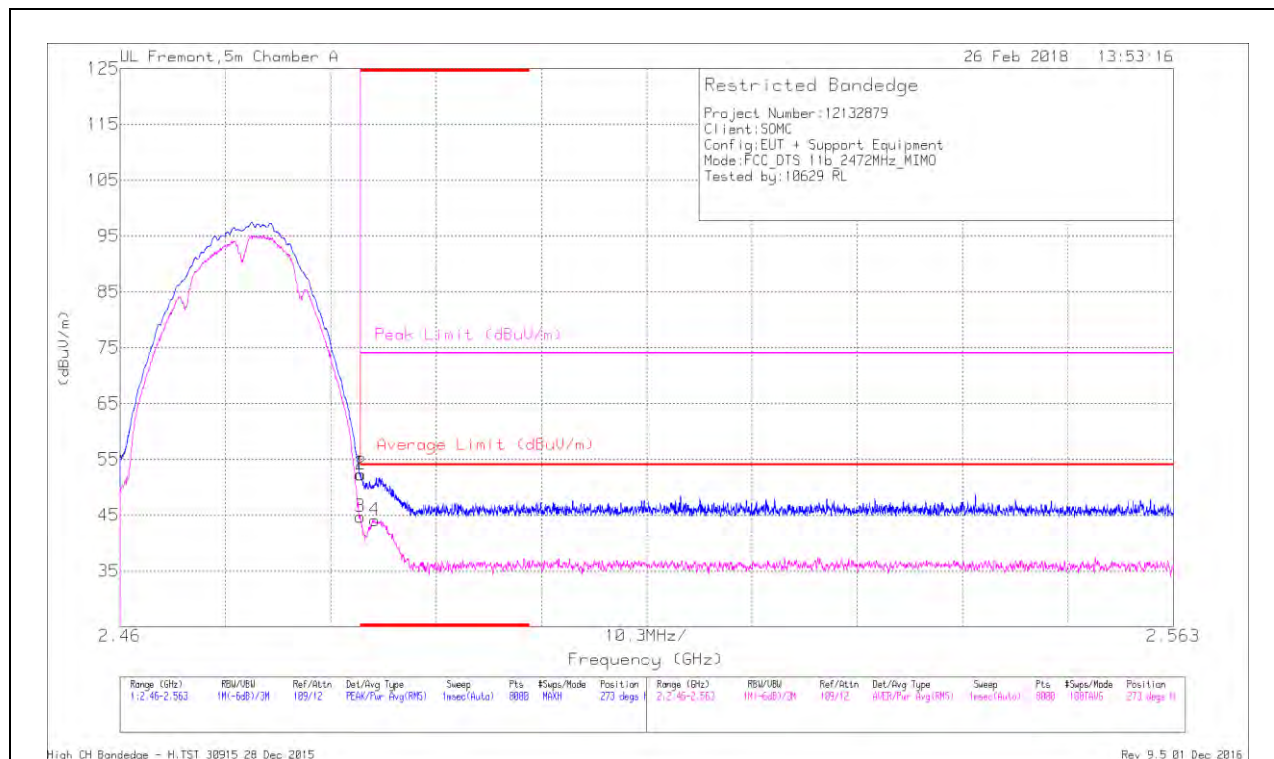
* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEGE (HIGH CHANNEL, CH 13)

HORIZONTAL RESULT



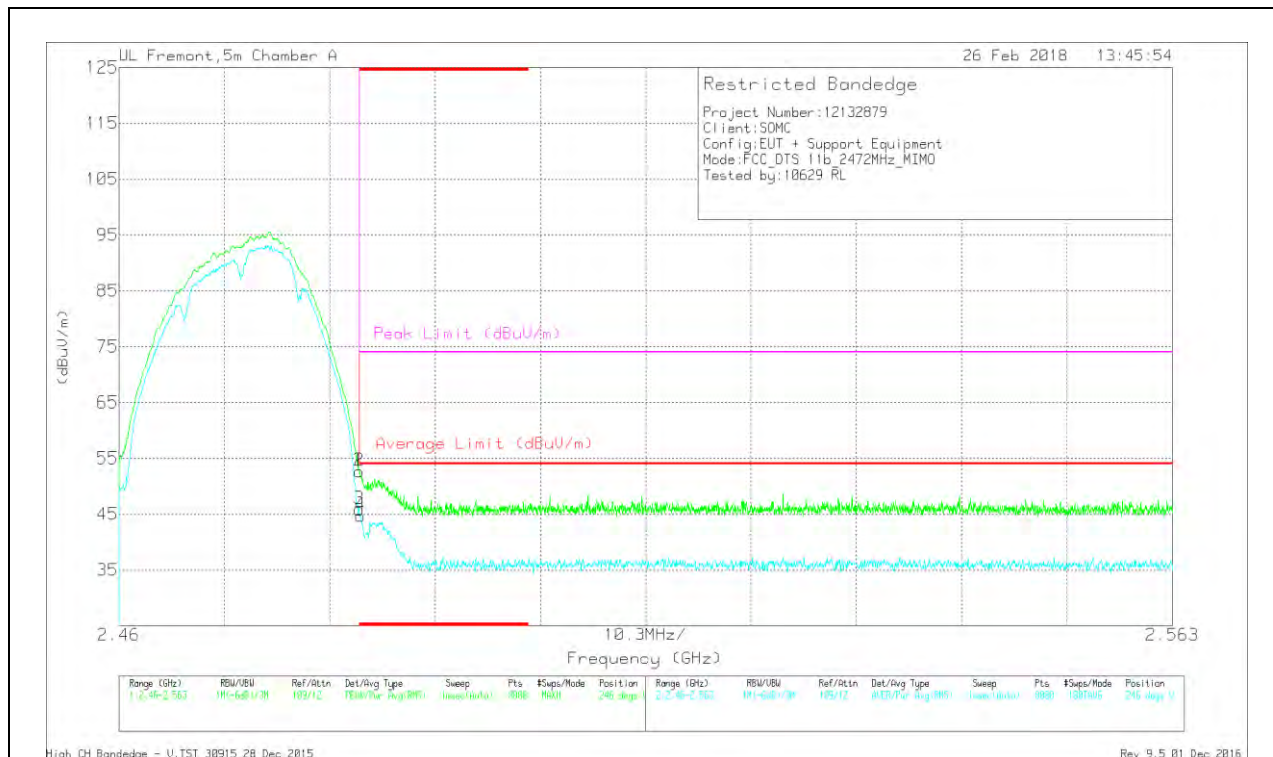
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1	* 2.484	43.42	Pk	32.3	-23.4	0	52.32	-	-	74	-21.68	273	117	H
2	* 2.484	43.43	Pk	32.3	-23.4	0	52.33	-	-	74	-21.67	273	117	H
3	* 2.484	35.78	RMS	32.3	-23.4	0	44.68	54	-9.32	-	-	273	117	H
4	* 2.485	35.18	RMS	32.3	-23.4	0	44.08	54	-9.92	-	-	273	117	H

* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dBm)	Amp/Chl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	43.73	Pk	32.3	-23.4	0	52.63	-	-	74	-21.37	246	131	V
2	* 2.484	43.81	Pk	32.3	-23.4	0	52.71	-	-	74	-21.29	246	131	V
3	* 2.484	36.98	RMS	32.3	-23.4	0	45.88	54	-8.12	-	-	246	131	V
4	* 2.484	35.82	RMS	32.3	-23.4	0	44.72	54	-9.28	-	-	246	131	V

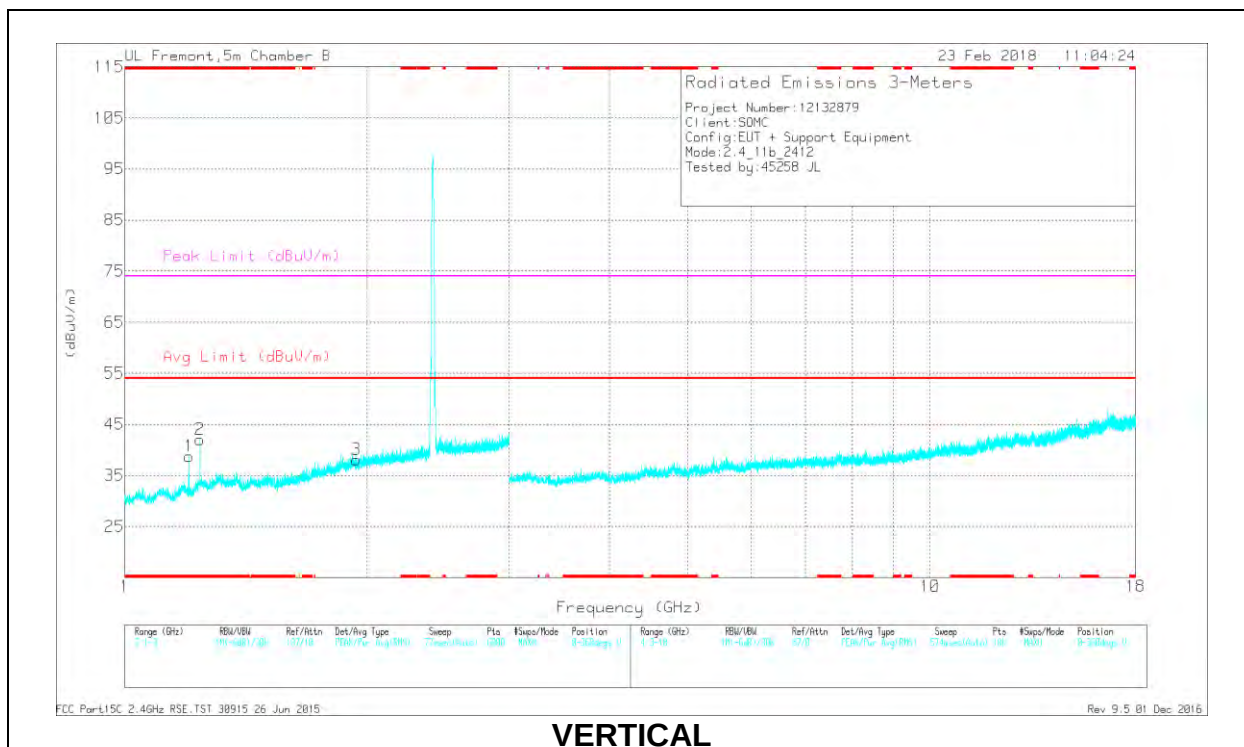
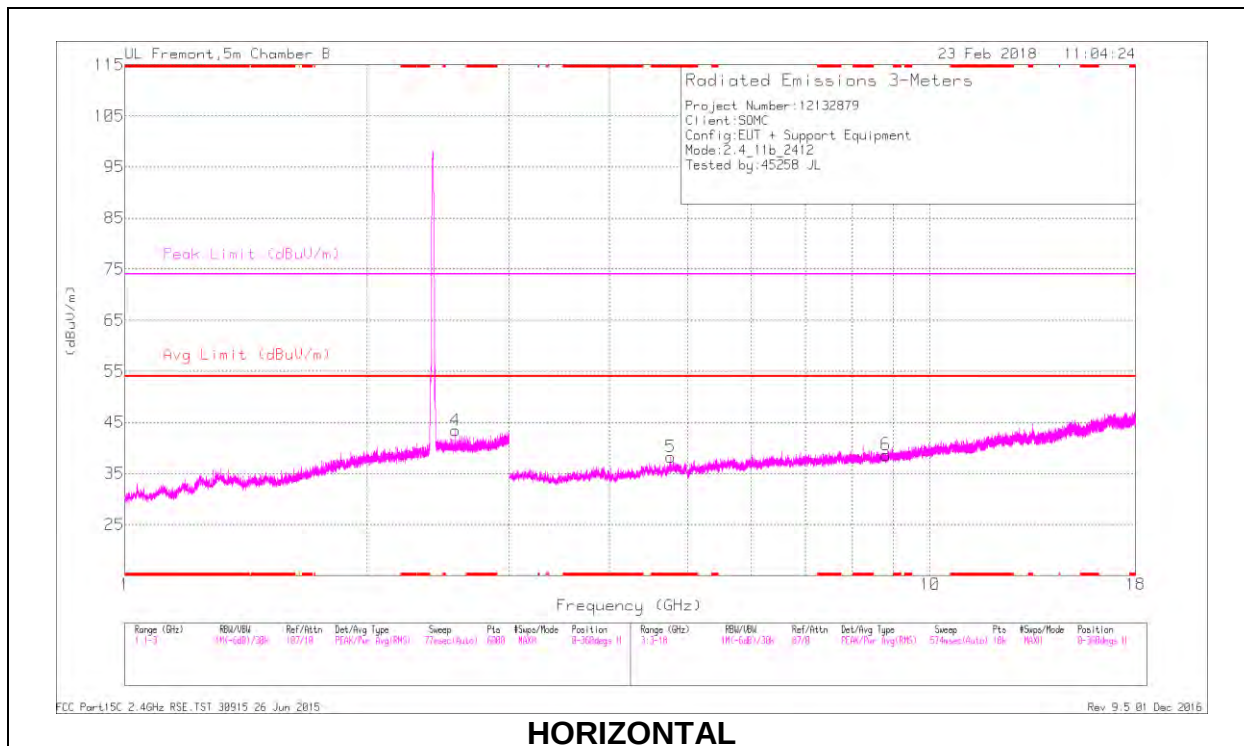
* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, CH 1 RESULTS



RADIATED EMISSIONS

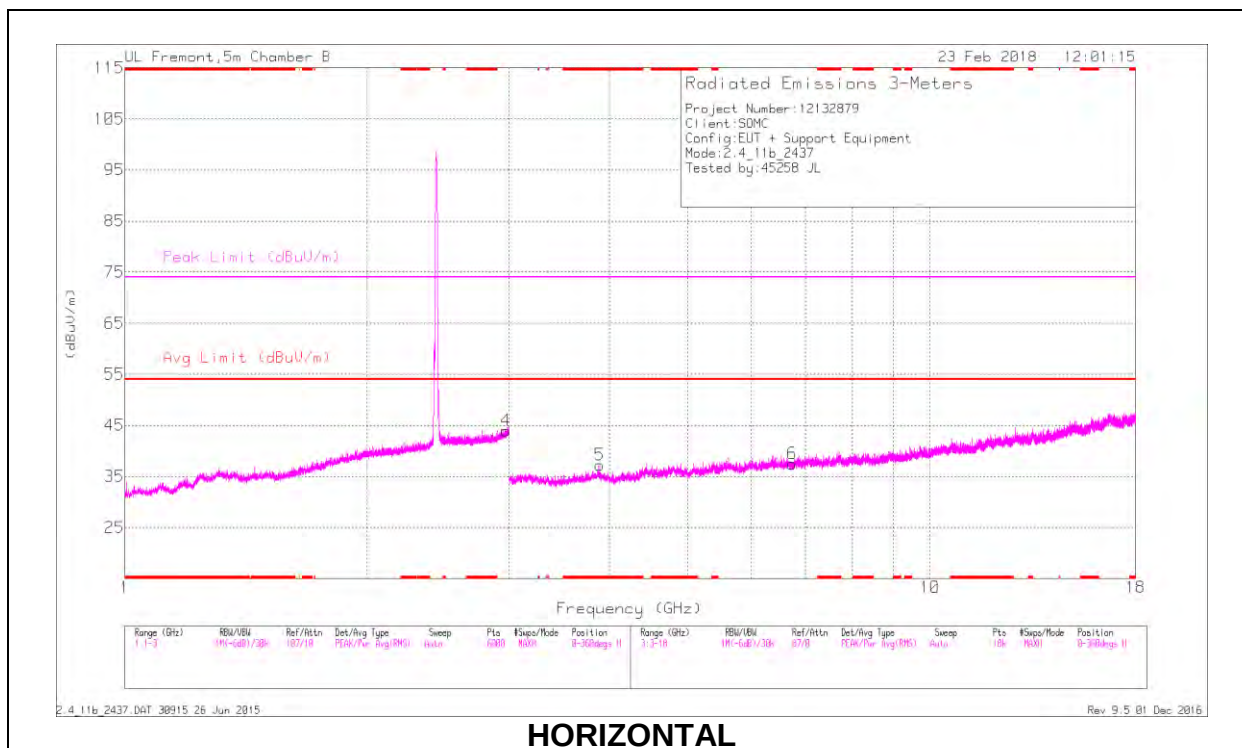
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.2	34.79	PK2	28	-22.5	0	40.29	-	-	74	-33.71	240	159	V
* 1.2	18.93	MAv1	28	-22.5	0	24.43	54	-29.57	-	-	240	159	V
* 1.239	34.79	PK2	28.6	-22.3	0	41.09	-	-	74	-32.91	197	209	V
* 1.241	20.32	MAv1	28.6	-22.2	0	26.72	54	-27.28	-	-	197	209	V
* 4.761	38.62	PK2	34.3	-29.2	0	43.72	-	-	74	-30.28	131	238	H
* 4.763	27.07	MAv1	34.3	-29.3	0	32.07	54	-21.93	-	-	131	238	H
1.934	18.82	MAv1	31	-20.9	0	28.92	-	-	-	-	131	238	V
1.941	34.68	PK2	31.1	-21.1	0	44.68	-	-	-	-	131	238	V
2.573	35.68	PK2	32.6	-21.1	0	47.18	-	-	-	-	131	238	H
2.574	19.55	MAv1	32.6	-21.1	0	31.05	-	-	-	-	131	238	H
8.808	36.54	PK2	36.1	-27.2	0	45.44	-	-	-	-	131	238	H
8.81	24.95	MAv1	36.1	-27.2	0	33.85	-	-	-	-	131	238	H

* - indicates frequency in CFR47 Pt 15 Restricted Band

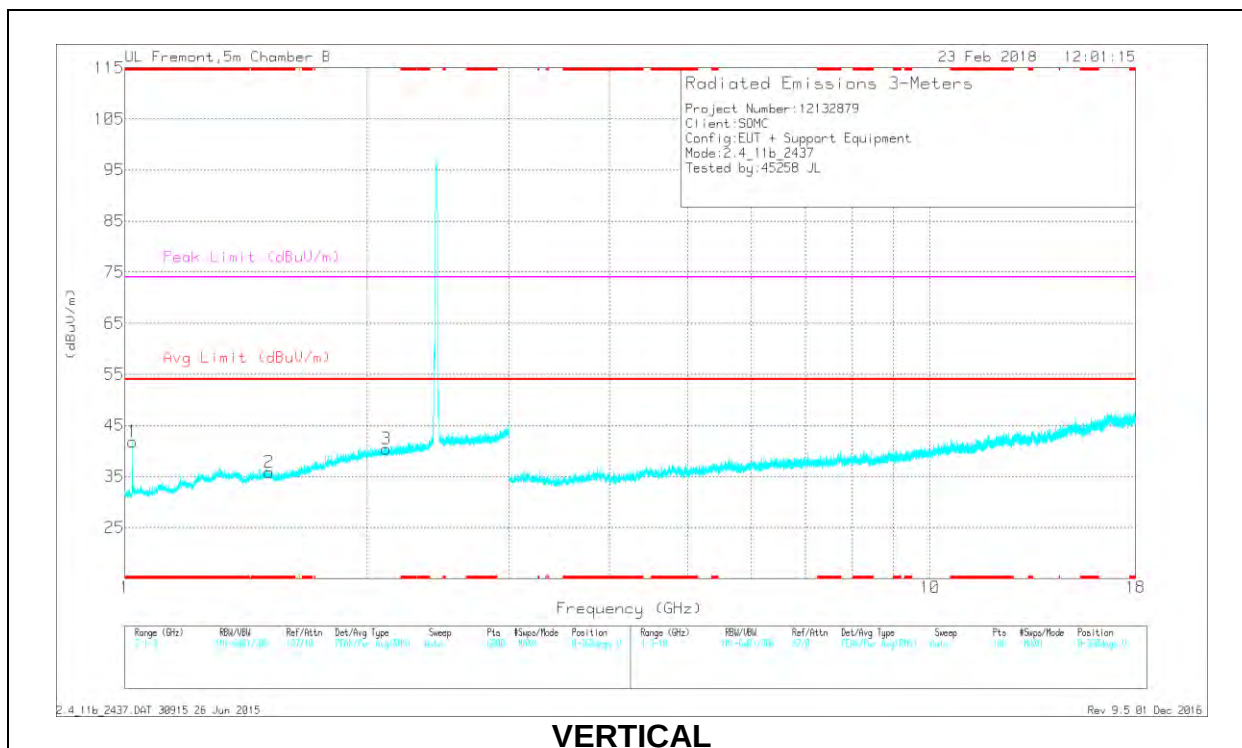
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL, CH 6 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

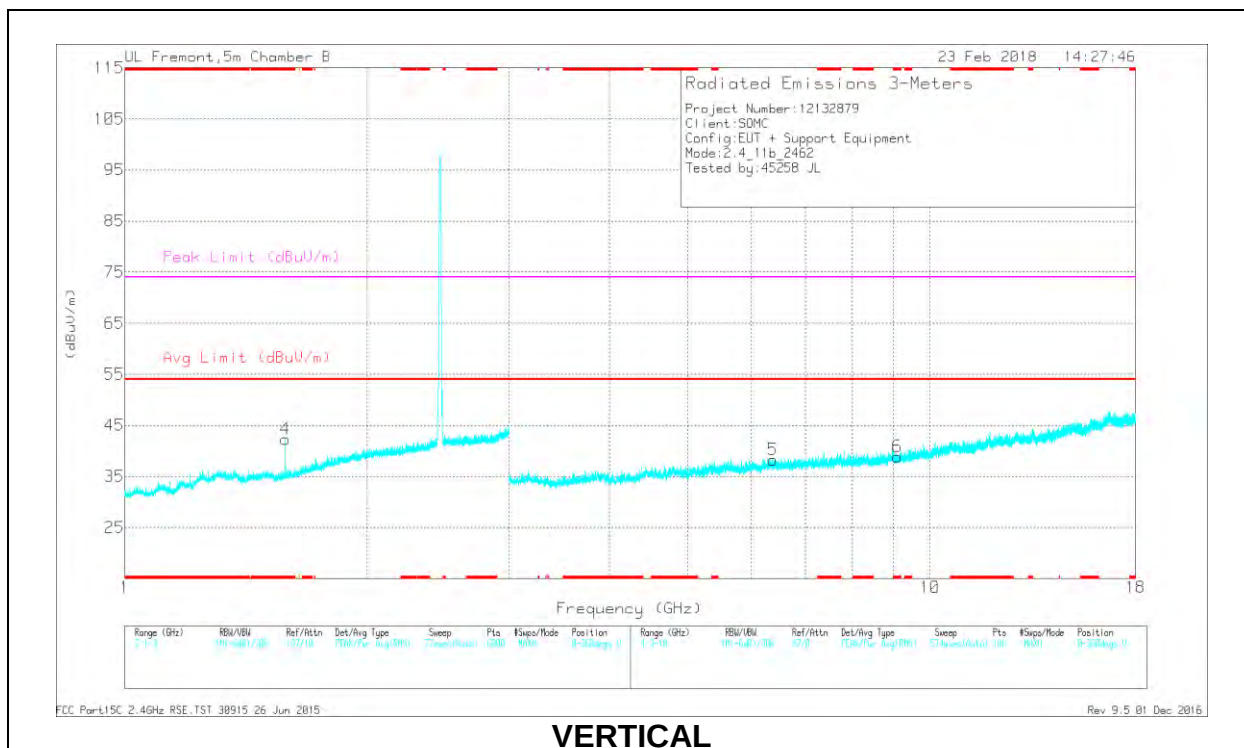
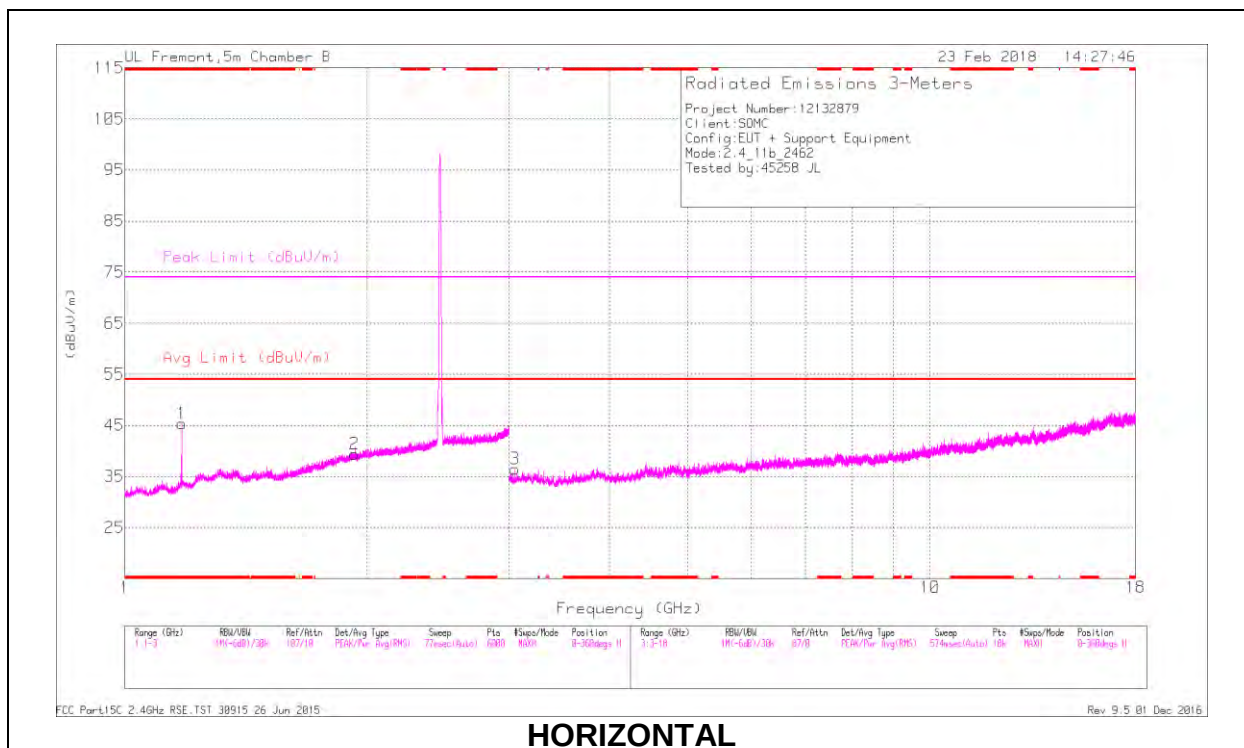
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.023	35.37	PK2	27.3	-23.4	0	39.27	-	-	74	-34.73	310	169	V
* 1.022	23.67	MAv1	27.3	-23.4	0	27.57	54	-26.43	-	-	310	169	V
* 1.511	35.33	PK2	28.1	-21.1	0	42.33	-	-	74	-31.67	270	190	V
* 1.51	23.54	MAv1	28.1	-21.2	0	30.44	54	-23.56	-	-	270	190	V
* 3.89	39.8	PK2	33.5	-30.2	0	43.1	-	-	74	-30.9	176	220	H
* 3.891	28.38	MAv1	33.5	-30.2	0	31.68	54	-22.32	-	-	176	220	H
2.11	24.2	MAv1	31.4	-21.2	0	34.4	-	-	-	-	176	220	V
2.113	35.67	PK2	31.4	-21.2	0	45.87	-	-	-	-	176	220	V
2.974	36.51	PK2	32.7	-19.9	0	49.31	-	-	-	-	176	220	H
2.975	24.91	MAv1	32.7	-19.9	0	37.71	-	-	-	-	176	220	H
6.746	37.67	PK2	35.7	-29.3	0	44.07	-	-	-	-	176	220	H
6.746	26.89	MAv1	35.7	-29.3	0	33.29	-	-	-	-	176	220	H

* - indicates frequency in CFR47 Pt 15 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL, CH 11 RESULTS



RADIATED EMISSIONS

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Fitr/P ad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.178	35.12	PK2	27.8	-22.6	0	40.32	-	-	74	-33.68	319	146	H
* 1.175	23.59	MAv1	27.7	-22.8	0	28.49	54	-25.51	-	-	319	146	H
* 1.583	35.09	PK2	28.1	-21.4	0	41.79	-	-	74	-32.21	296	192	V
* 1.582	23.53	MAv1	28.1	-21.2	0	30.43	54	-23.57	-	-	296	192	V
* 9.114	35.64	PK2	36.3	-26.6	0	45.34	-	-	74	-28.66	259	216	V
* 9.114	24.85	MAv1	36.3	-26.6	0	34.55	54	-19.45	-	-	259	216	V
1.928	35.12	PK2	31	-21.1	0	45.02	-	-	-	-	259	216	H
1.929	23.93	MAv1	31	-21.1	0	33.83	-	-	-	-	259	216	H
3.05	29.06	MAv1	33	-31.7	0	30.36	-	-	-	-	259	216	H
3.052	40.18	PK2	33	-31.7	0	41.48	-	-	-	-	259	216	H
6.38	39.3	PK2	35.7	-30	0	45	-	-	-	-	259	216	V
6.38	28.08	MAv1	35.7	-30	0	33.78	-	-	-	-	259	216	V

* - indicates frequency in CFR47 Pt 15 Restricted Band

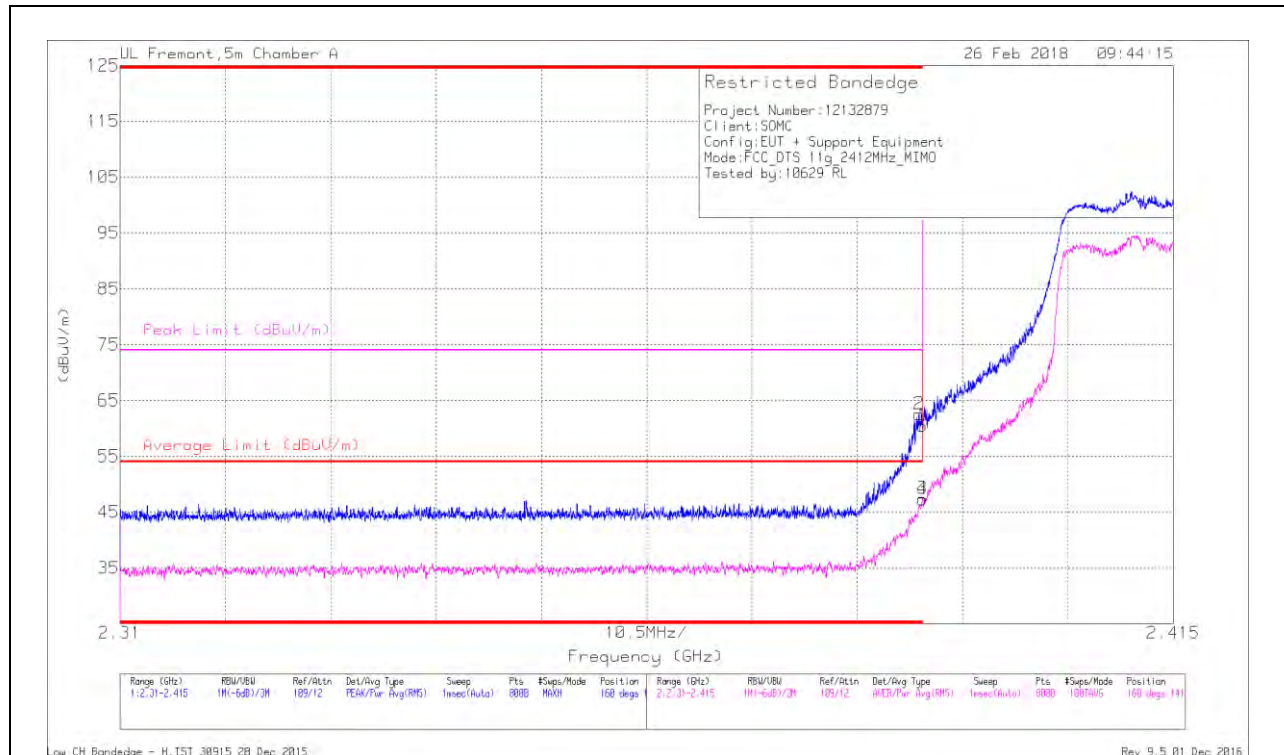
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

9.1.2. TX ABOVE 1 GHz 802.11g MODE IN THE 2.4 GHz BAND

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



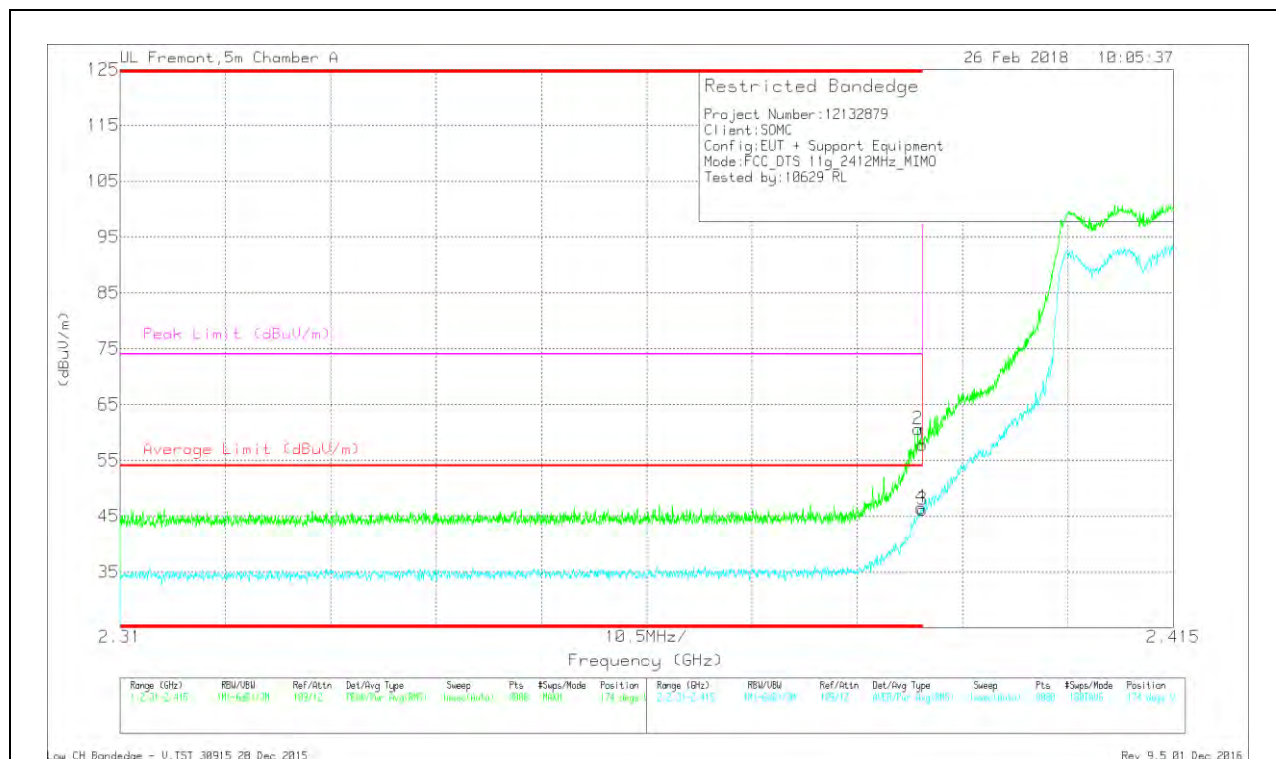
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dBm)	Amp/Chl/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	52.16	Pk	31.8	-23.5	0	60.46	-	-	74	-13.54	160	141	H
2	* 2.39	54.24	Pk	31.8	-23.5	0	62.54	-	-	74	-11.46	160	141	H
3	* 2.39	39.05	RMS	31.8	-23.5	0	47.35	54	-6.65	-	-	160	141	H
4	* 2.39	38.96	RMS	31.8	-23.5	0	47.26	54	-6.74	-	-	160	141	H

* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dBm)	Amp/Chl/Filter/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	* 2.39	49.48	Pk	31.8	-23.5	0	57.78	-	-	74	-16.22	174	165	V
2	* 2.39	52.3	Pk	31.8	-23.5	0	60.6	-	-	74	-13.4	174	165	V
3	* 2.39	37.85	RMS	31.8	-23.5	0	46.15	54	-7.85	-	-	174	165	V
4	* 2.39	38.19	RMS	31.8	-23.5	0	46.49	54	-7.51	-	-	174	165	V

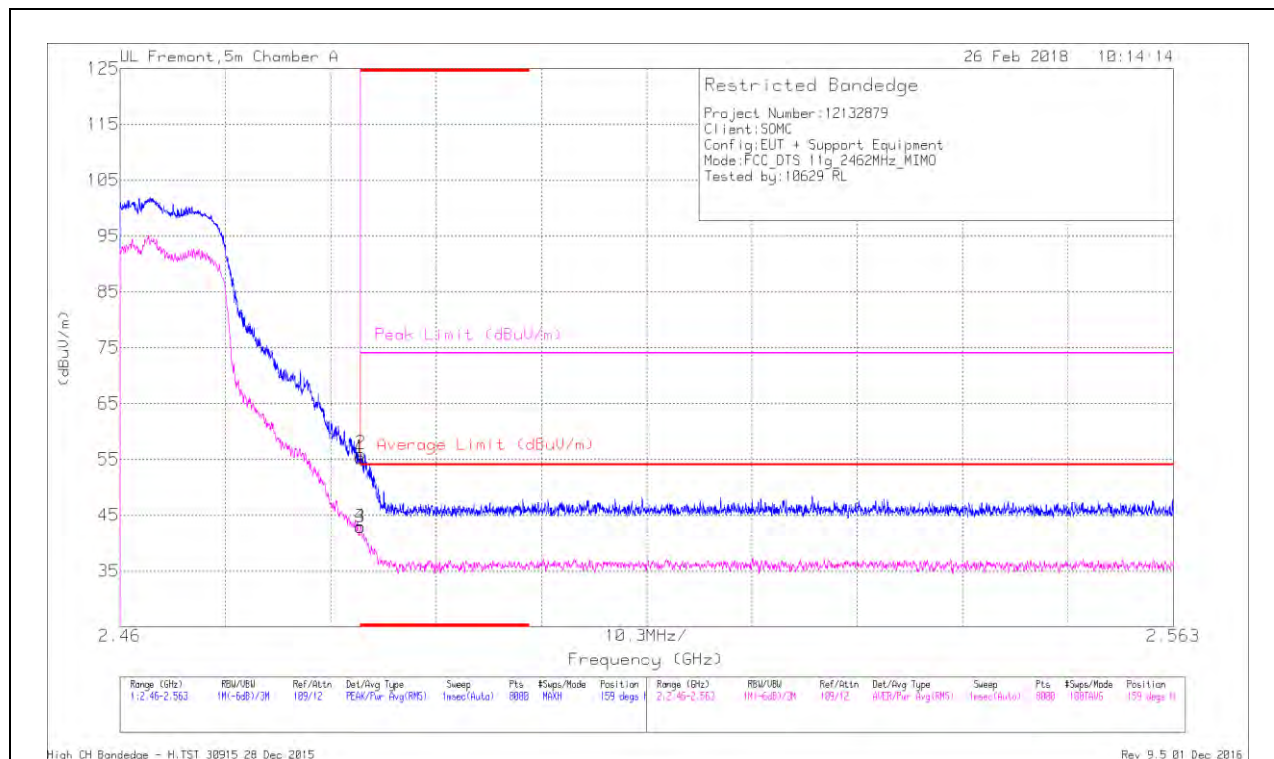
* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT



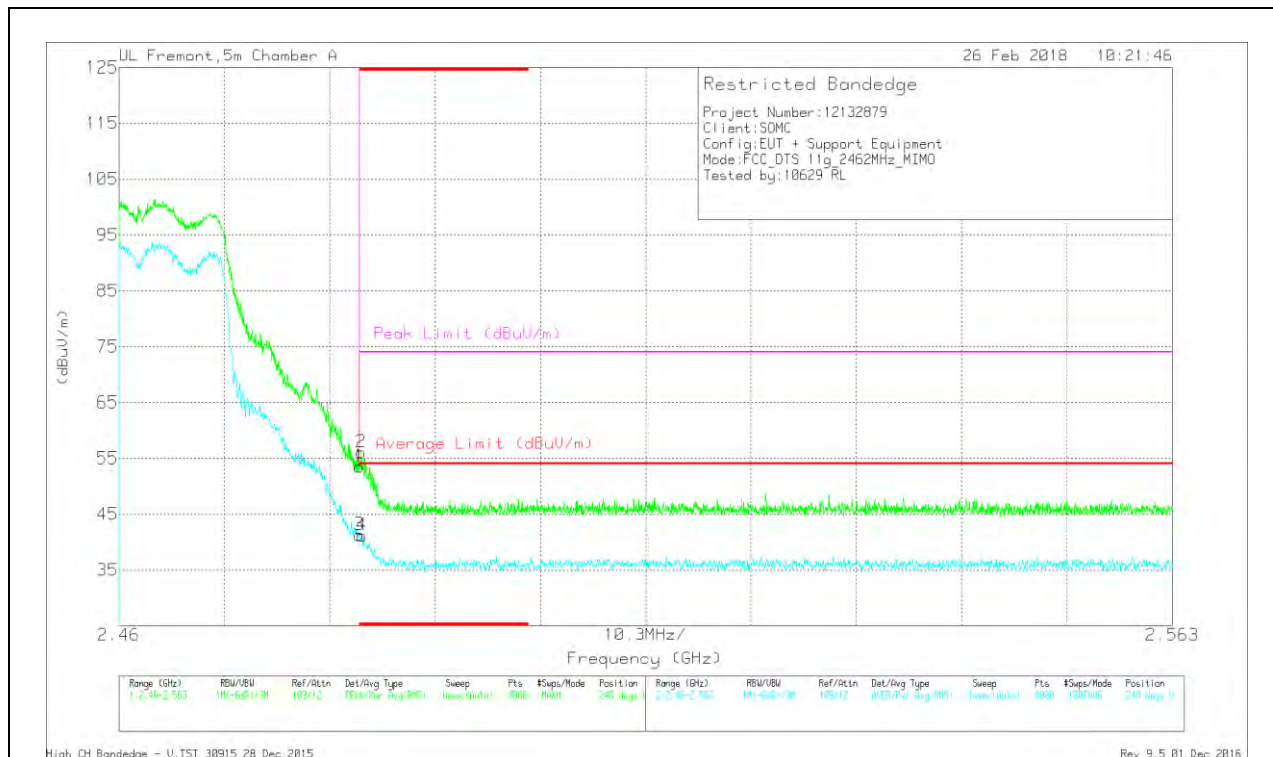
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dBm)	Amp/Chl/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	46.4	Pk	32.3	-23.4	0	55.3	-	-	74	-18.7	159	126	H
2	* 2.484	47.09	Pk	32.3	-23.4	0	55.99	-	-	74	-18.01	159	126	H
3	* 2.484	33.96	RMS	32.3	-23.4	0	42.86	54	-11.14	-	-	159	126	H
4	* 2.484	34.06	RMS	32.3	-23.4	0	42.96	54	-11.04	-	-	159	126	H

* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBUV)	Det	AF T862 (dBm)	Amp/Chl/Ittr/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	* 2.484	44.57	Pk	32.3	-23.4	0	53.47	-	-	74	-20.53	248	115	V
2	* 2.484	47.17	Pk	32.3	-23.4	0	56.07	-	-	74	-17.93	248	115	V
3	* 2.484	32.38	RMS	32.3	-23.4	0	41.28	54	-12.72	-	-	248	115	V
4	* 2.484	32.23	RMS	32.3	-23.4	0	41.13	54	-12.87	-	-	248	115	V

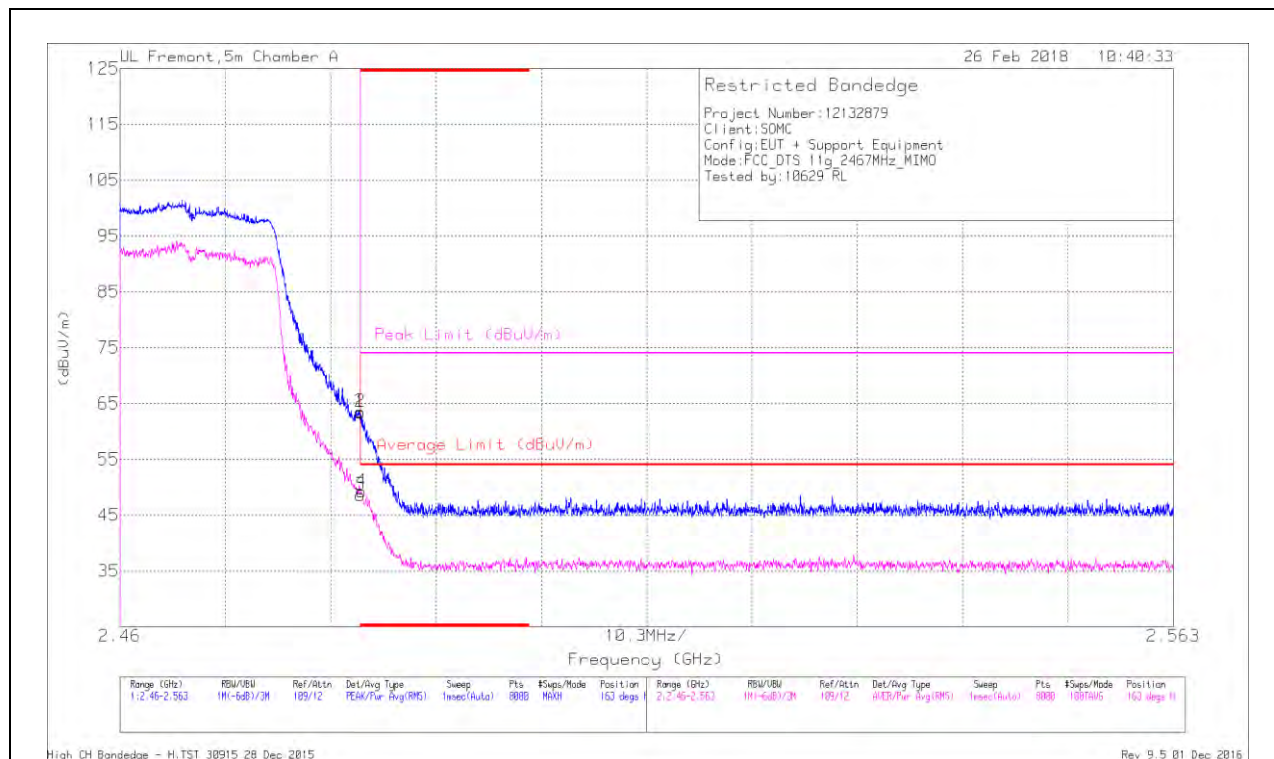
* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 12)

HORIZONTAL RESULT



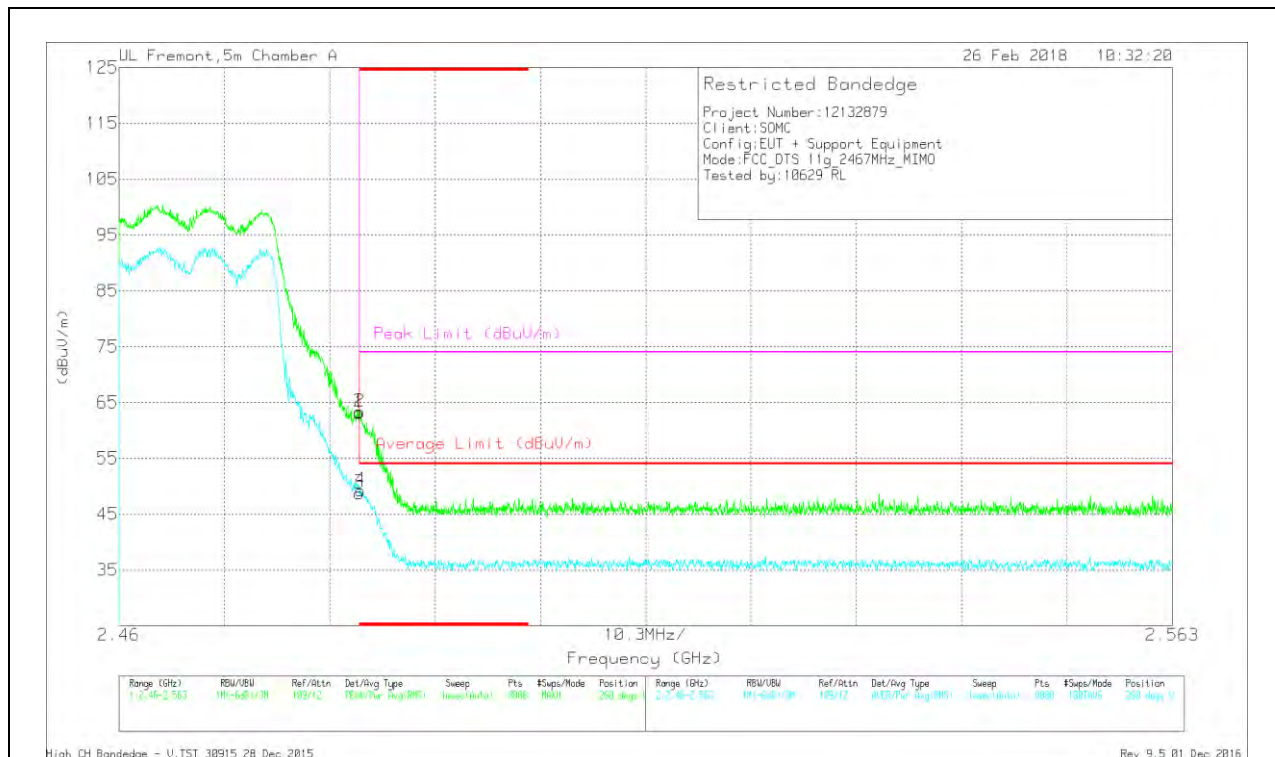
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dBm)	Amp/Chl/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	54.47	Pk	32.3	-23.4	0	63.37	-	-	74	-10.63	163	217	H
2	* 2.484	54.62	Pk	32.3	-23.4	0	63.52	-	-	74	-10.48	163	217	H
3	* 2.484	39.69	RMS	32.3	-23.4	0	48.59	54	-5.41	-	-	163	217	H
4	* 2.484	40.32	RMS	32.3	-23.4	0	49.22	54	-4.78	-	-	163	217	H

* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dBm)	Amp/Chl/Filter/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	* 2.484	54.27	Pk	32.3	-23.4	0	63.17	-	-	74	-10.83	260	154	V
2	* 2.484	54.45	Pk	32.3	-23.4	0	63.35	-	-	74	-10.65	260	154	V
3	* 2.484	39.87	RMS	32.3	-23.4	0	48.77	54	-5.23	-	-	260	154	V
4	* 2.484	40.35	RMS	32.3	-23.4	0	49.25	54	-4.75	-	-	260	154	V

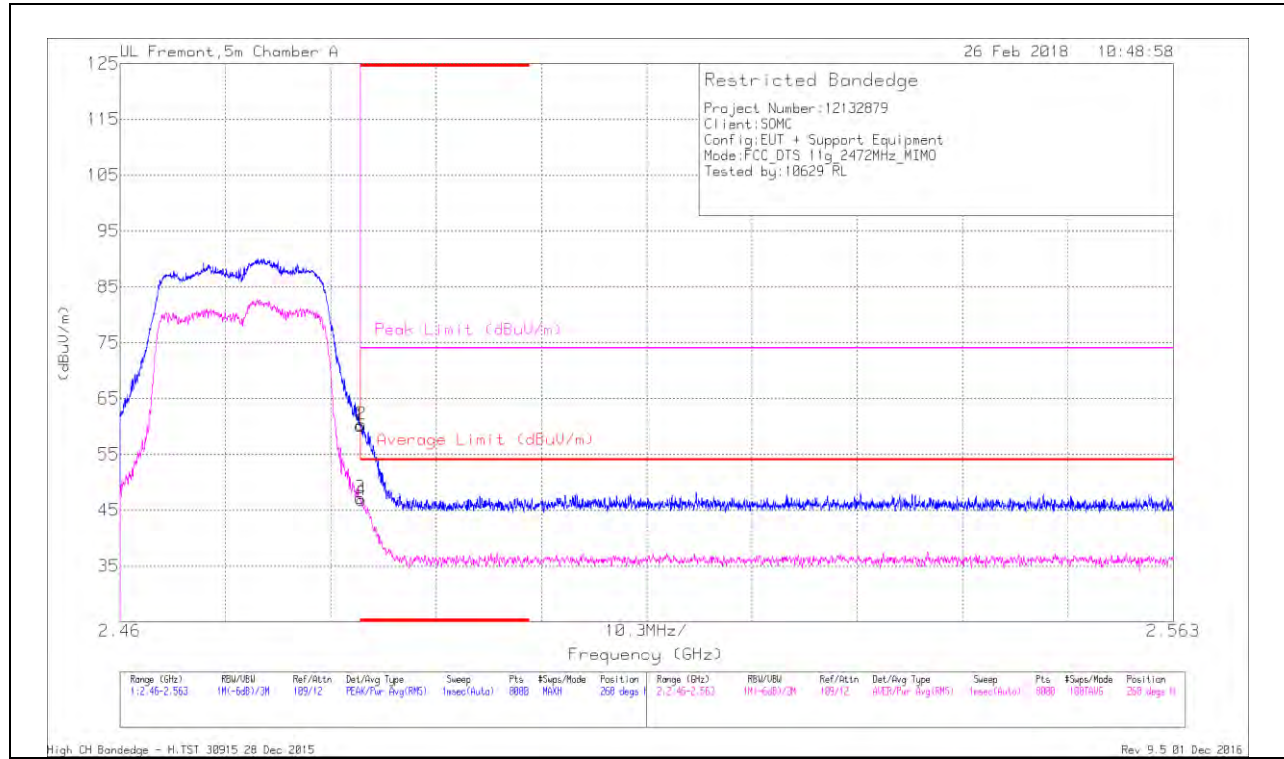
* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 13)

HORIZONTAL RESULT



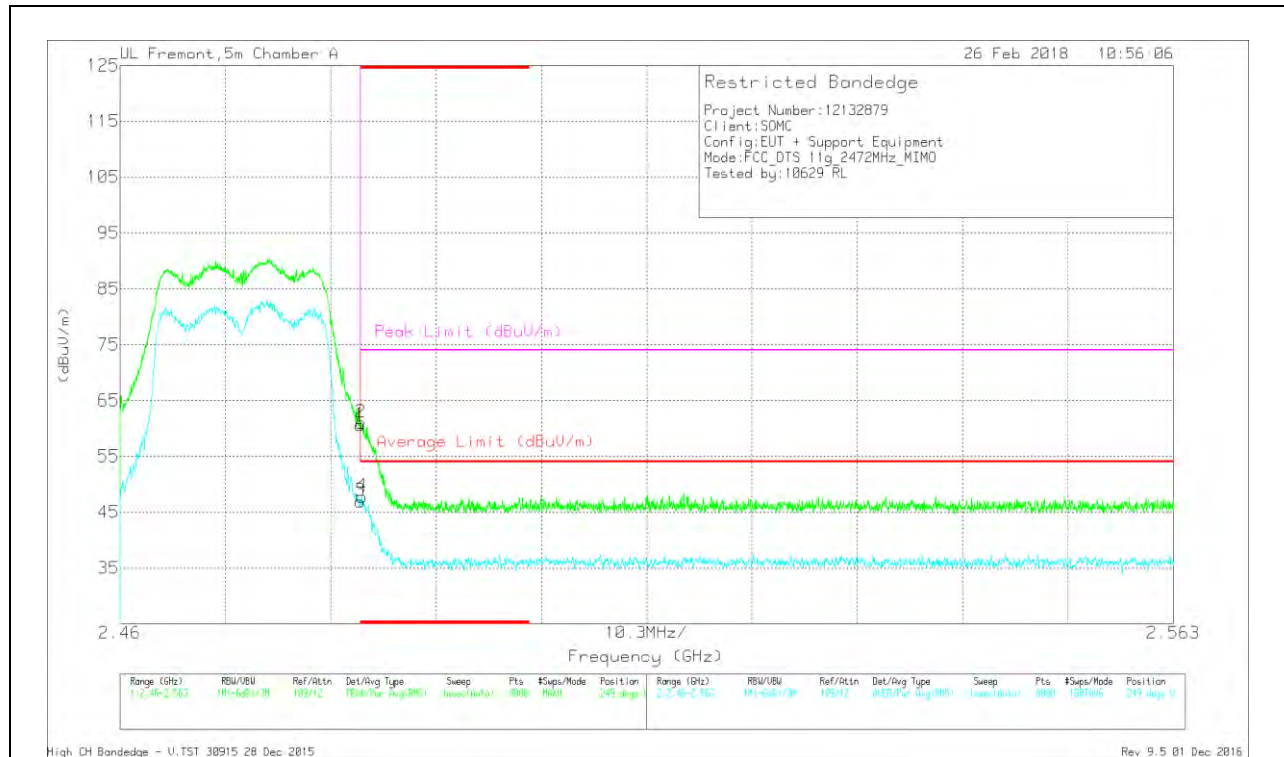
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dBm)	Amp/Chl/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	51.2	Pk	32.3	-23.4	0	60.1	-	-	74	-13.9	268	167	H
2	* 2.484	51.41	Pk	32.3	-23.4	0	60.31	-	-	74	-13.69	268	167	H
3	* 2.484	38.22	RMS	32.3	-23.4	0	47.12	54	-6.88	-	-	268	167	H
4	* 2.484	37.88	RMS	32.3	-23.4	0	46.78	54	-7.22	-	-	268	167	H

* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dBm)	Amp/Chl/Filter/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	* 2.484	51.69	Pk	32.3	-23.4	0	60.59	-	-	74	-13.41	249	117	V
2	* 2.484	52.14	Pk	32.3	-23.4	0	61.04	-	-	74	-12.96	249	117	V
3	* 2.484	38.06	RMS	32.3	-23.4	0	46.96	54	-7.04	-	-	249	117	V
4	* 2.484	38.9	RMS	32.3	-23.4	0	47.8	54	-6.2	-	-	249	117	V

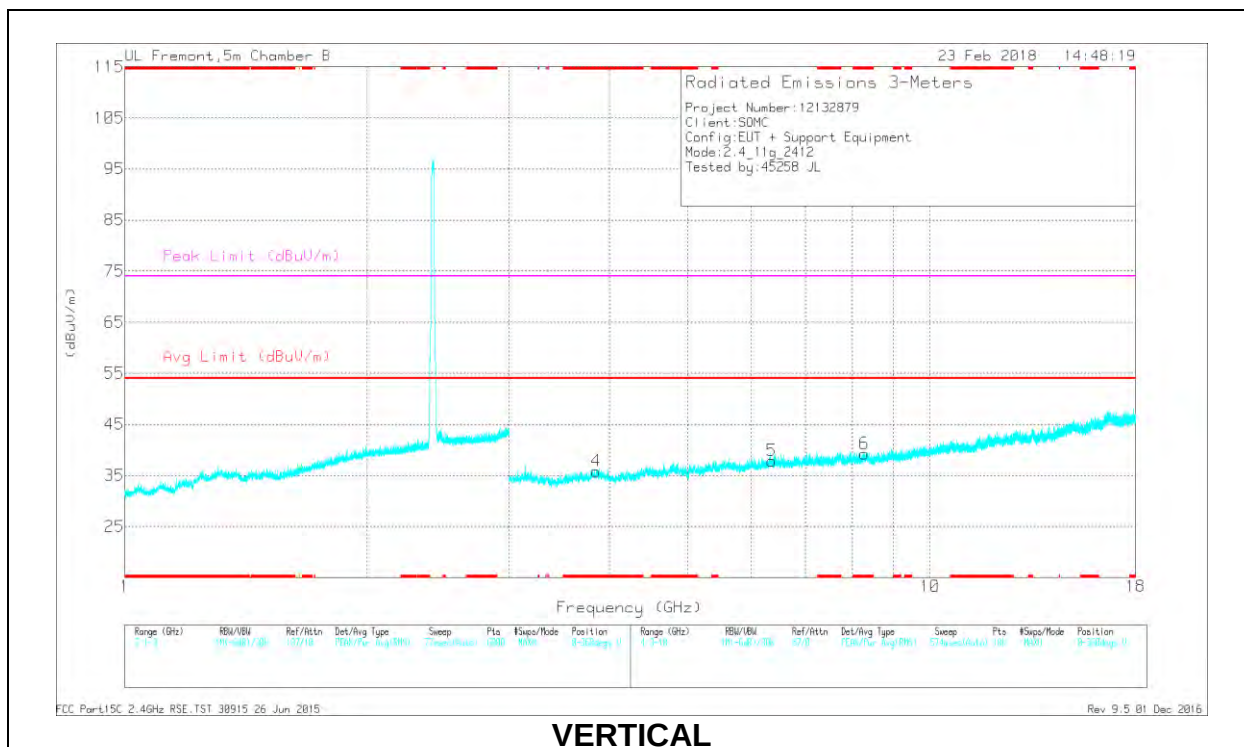
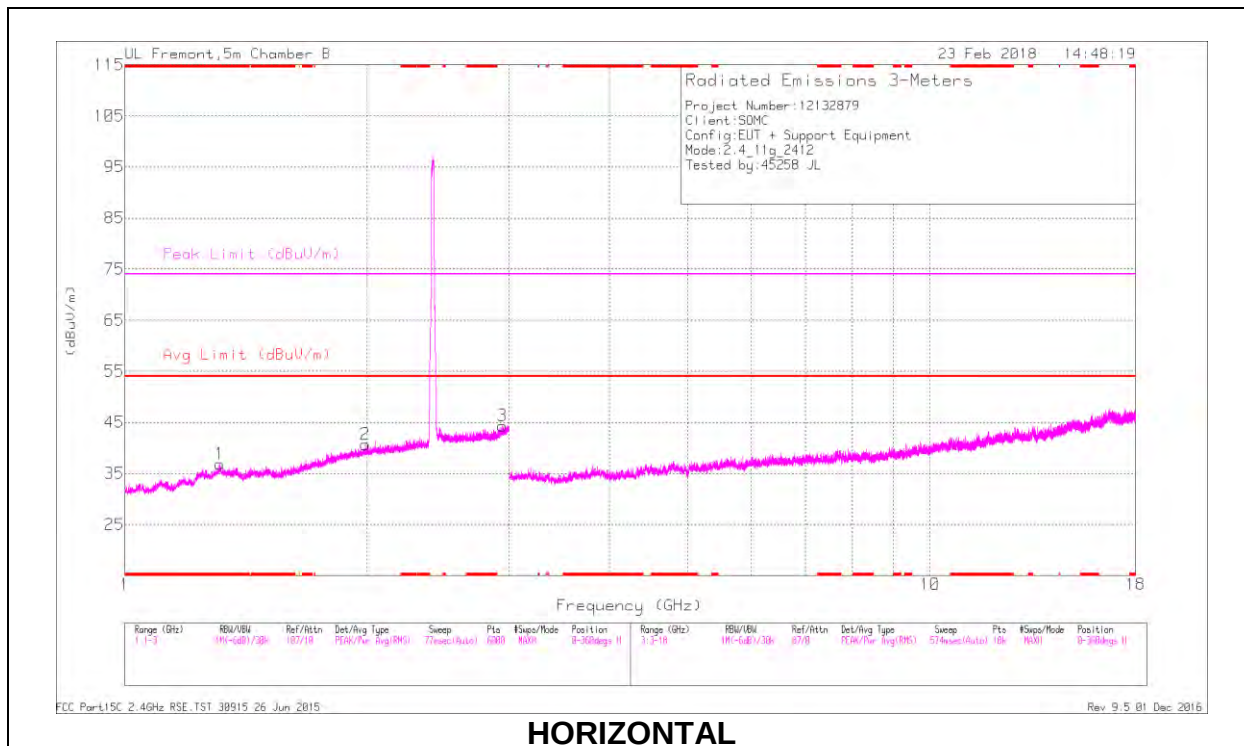
* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, CH 1 RESULTS



RADIATED EMISSIONS

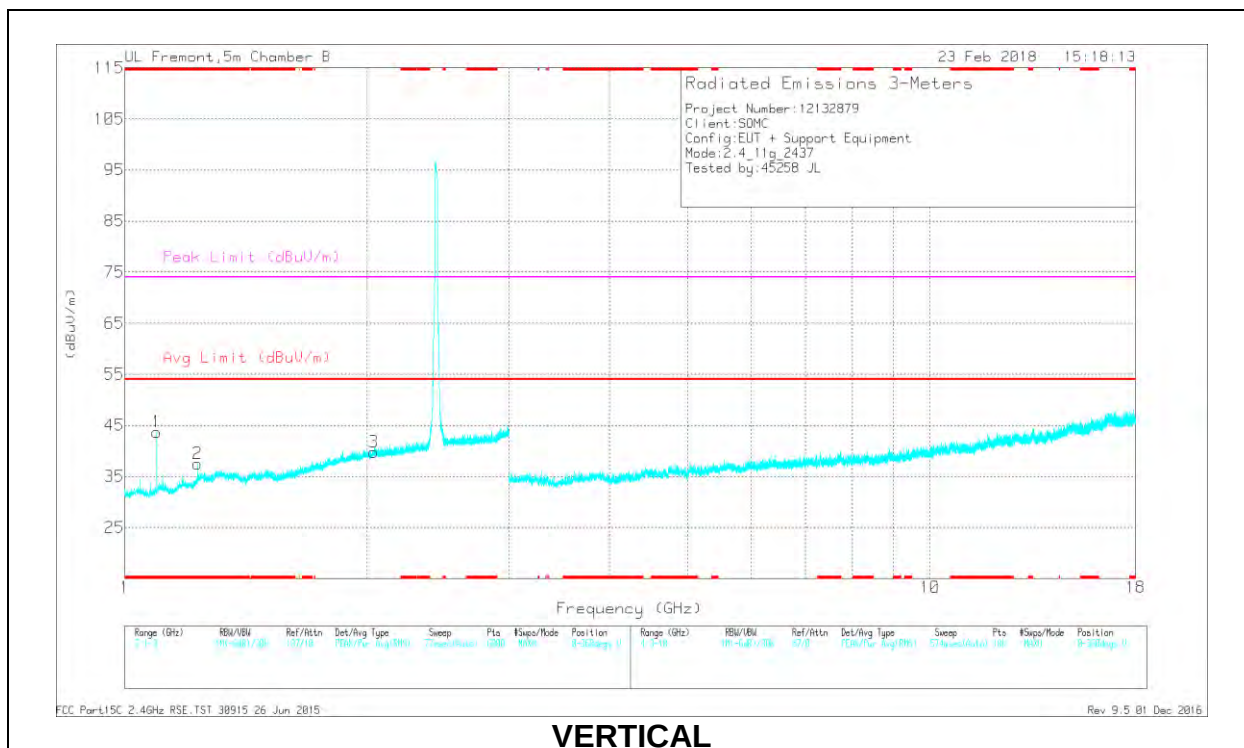
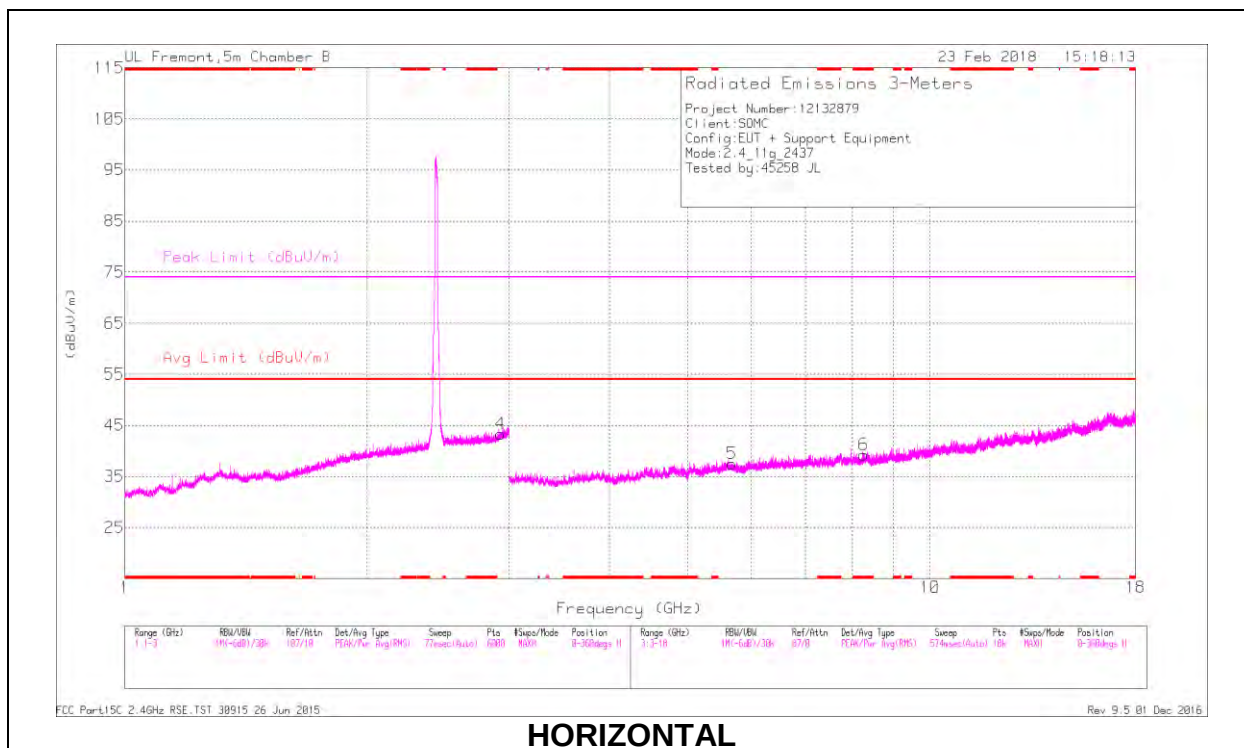
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.313	35.31	PK2	28.9	-21.9	0	42.31	-	-	74	-31.69	319	154	H
* 1.313	23.81	MAv1	28.9	-21.9	0	30.81	54	-23.19	-	-	319	154	H
* 3.847	39.68	PK2	33.5	-30.7	0	42.48	-	-	74	-31.52	283	172	V
* 3.848	28.82	MAv1	33.5	-30.7	0	31.62	54	-22.38	-	-	283	172	V
* 8.285	35.31	PK2	36.1	-26.5	0	44.91	-	-	74	-29.09	256	195	V
* 8.286	24.85	MAv1	36.1	-26.5	0	34.45	54	-19.55	-	-	256	195	V
1.986	24.14	MAv1	31.2	-21.1	0	34.24	-	-	-	-	256	195	H
1.987	35.77	PK2	31.2	-21.1	0	45.87	-	-	-	-	256	195	H
2.943	36.22	PK2	32.6	-20.1	0	48.72	-	-	-	-	256	195	H
2.946	24.75	MAv1	32.6	-20	0	37.35	-	-	-	-	256	195	H
6.357	39.36	PK2	35.7	-29.9	0	45.16	-	-	-	-	256	195	V
6.357	27.9	MAv1	35.7	-29.9	0	33.7	-	-	-	-	256	195	V

* - indicates frequency in CFR47 Pt 15 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL, CH 6 RESULTS



RADIATED EMISSIONS

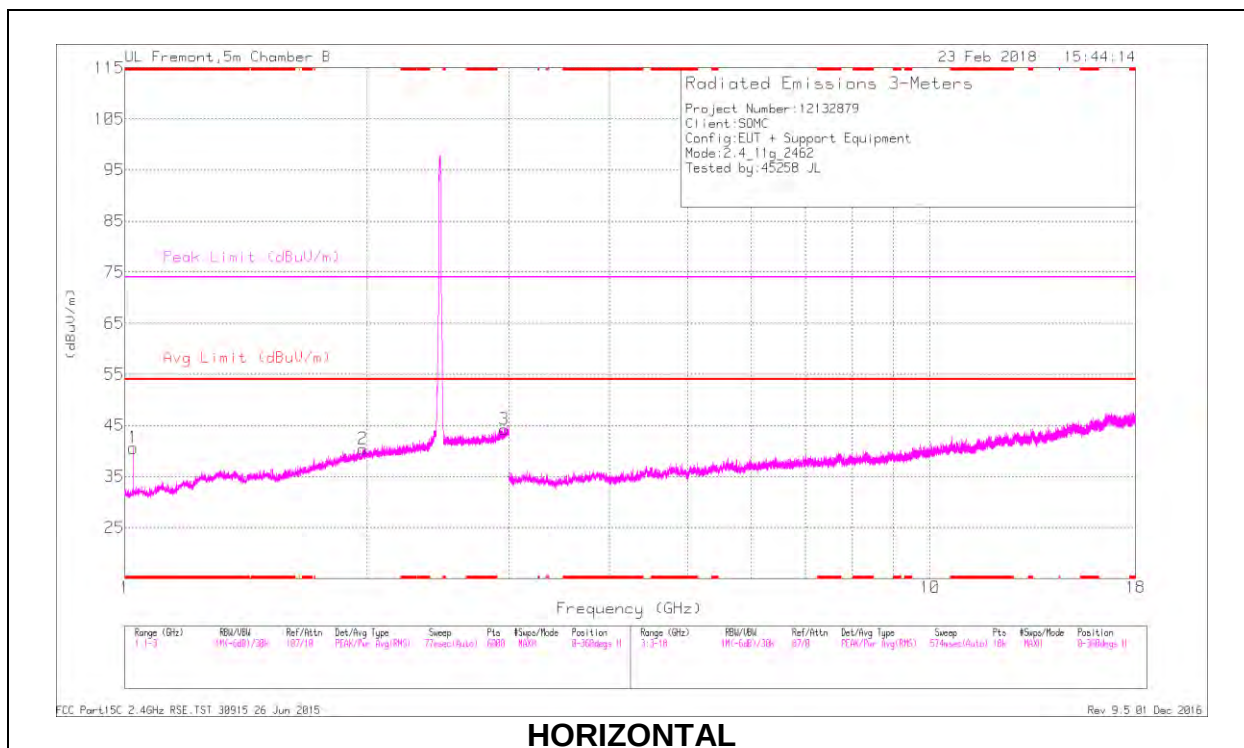
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.095	34.53	PK2	27.6	-23.1	0	39.03	-	-	74	-34.97	321	154	V
* 1.097	23.4	MAv1	27.6	-23	0	28	54	-26	-	-	321	154	V
* 1.23	34.48	PK2	28.5	-22.2	0	40.78	-	-	74	-33.22	293	178	V
* 1.233	23.48	MAv1	28.5	-22.3	0	29.68	54	-24.32	-	-	293	178	V
* 8.276	36.19	PK2	36.1	-26.6	0	45.69	-	-	74	-28.31	247	202	H
* 8.274	25.09	MAv1	36.1	-26.6	0	34.59	54	-19.41	-	-	247	202	H
2.036	35.17	PK2	31.4	-21.1	0	45.47	-	-	-	-	247	202	V
2.036	24.02	MAv1	31.4	-21.1	0	34.32	-	-	-	-	247	202	V
2.928	35.81	PK2	32.6	-20	0	48.41	-	-	-	-	247	202	H
2.928	24.73	MAv1	32.6	-20	0	37.33	-	-	-	-	247	202	H
5.678	38.21	PK2	35.2	-29.6	0	43.81	-	-	-	-	247	202	H
5.678	27.38	MAv1	35.1	-29.6	0	32.88	-	-	-	-	247	202	H

* - indicates frequency in CFR47 Pt 15 Restricted Band

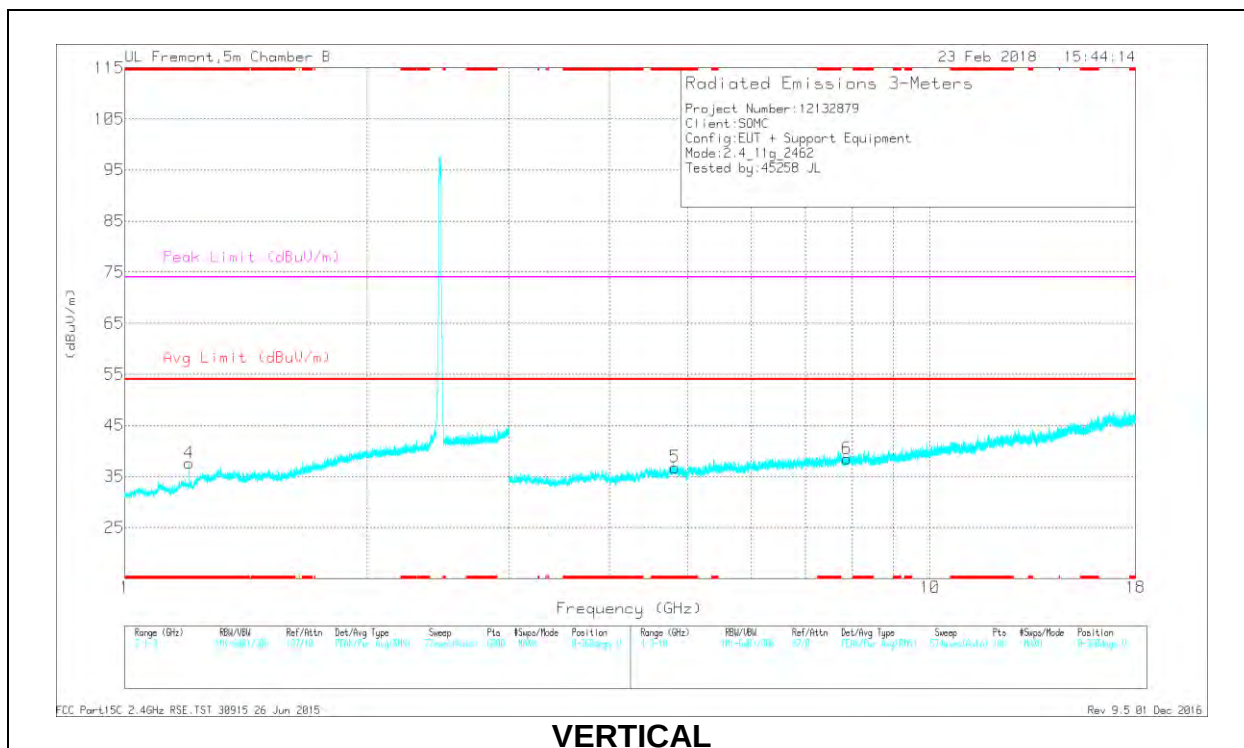
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL, CH 11 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (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)	Azimuth (Degs)	Height (cm)	Polarity
* 1.025	34.74	PK2	27.3	-23.5	0	38.54	-	-	74	-35.46	251	171	H
* 1.025	23.63	MAv1	27.3	-23.5	0	27.43	54	-26.57	-	-	251	171	H
* 1.204	34.72	PK2	28	-22.5	0	40.22	-	-	74	-33.78	234	198	V
* 1.202	23.13	MAv1	28	-22.5	0	28.63	54	-25.37	-	-	234	198	V
* 4.821	38.95	PK2	34.4	-30.4	0	42.95	-	-	74	-31.05	213	183	V
* 4.822	28.33	MAv1	34.4	-30.4	0	32.33	54	-21.67	-	-	213	183	V
1.975	23.96	MAv1	31.2	-21	0	34.16	-	-	-	-	213	183	H
1.976	35.37	PK2	31.2	-21	0	45.57	-	-	-	-	213	183	H
2.957	36.16	PK2	32.6	-20	0	48.76	-	-	-	-	213	183	H
2.961	24.87	MAv1	32.6	-20	0	37.47	-	-	-	-	213	183	H
7.882	37.22	PK2	36	-28.3	0	44.92	-	-	-	-	213	183	V
7.885	26.13	MAv1	36	-28.3	0	33.83	-	-	-	-	213	183	V

* - indicates frequency in CFR47 Pt 15 Restricted Band

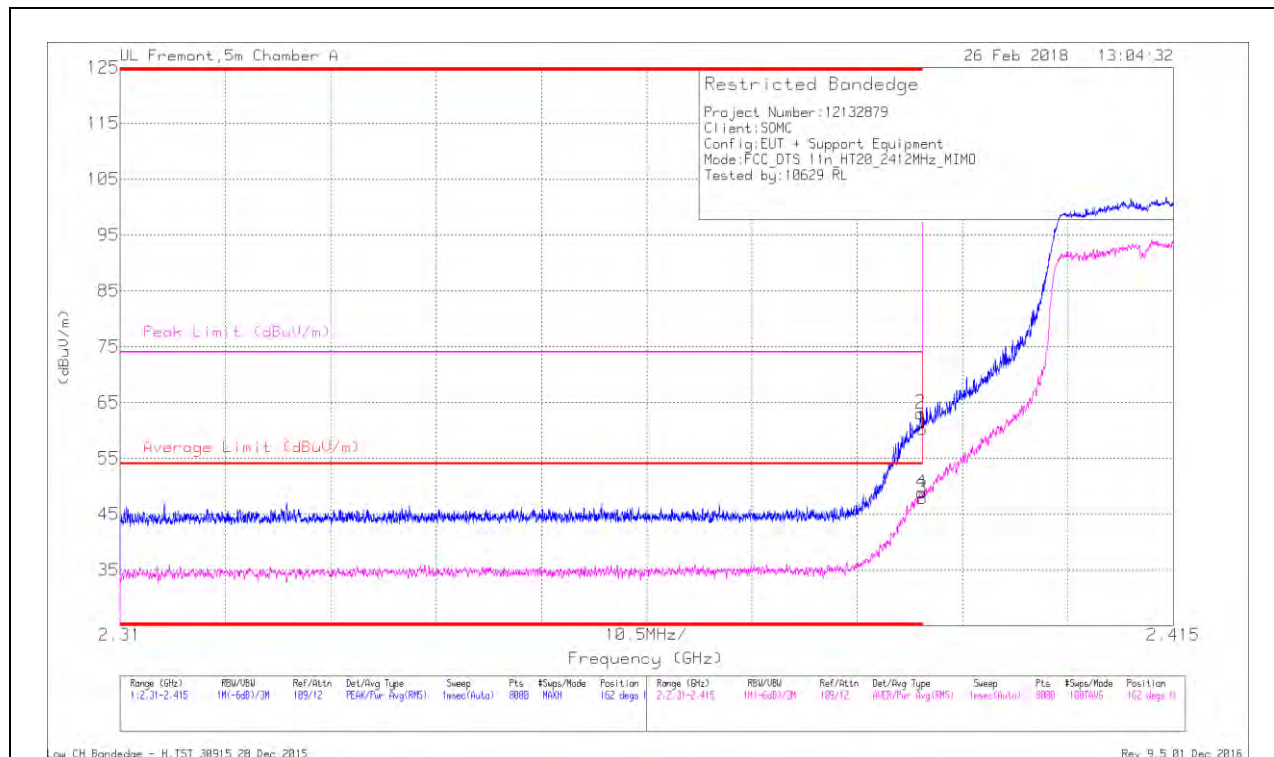
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

9.1.3. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 2.4 GHz BAND

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



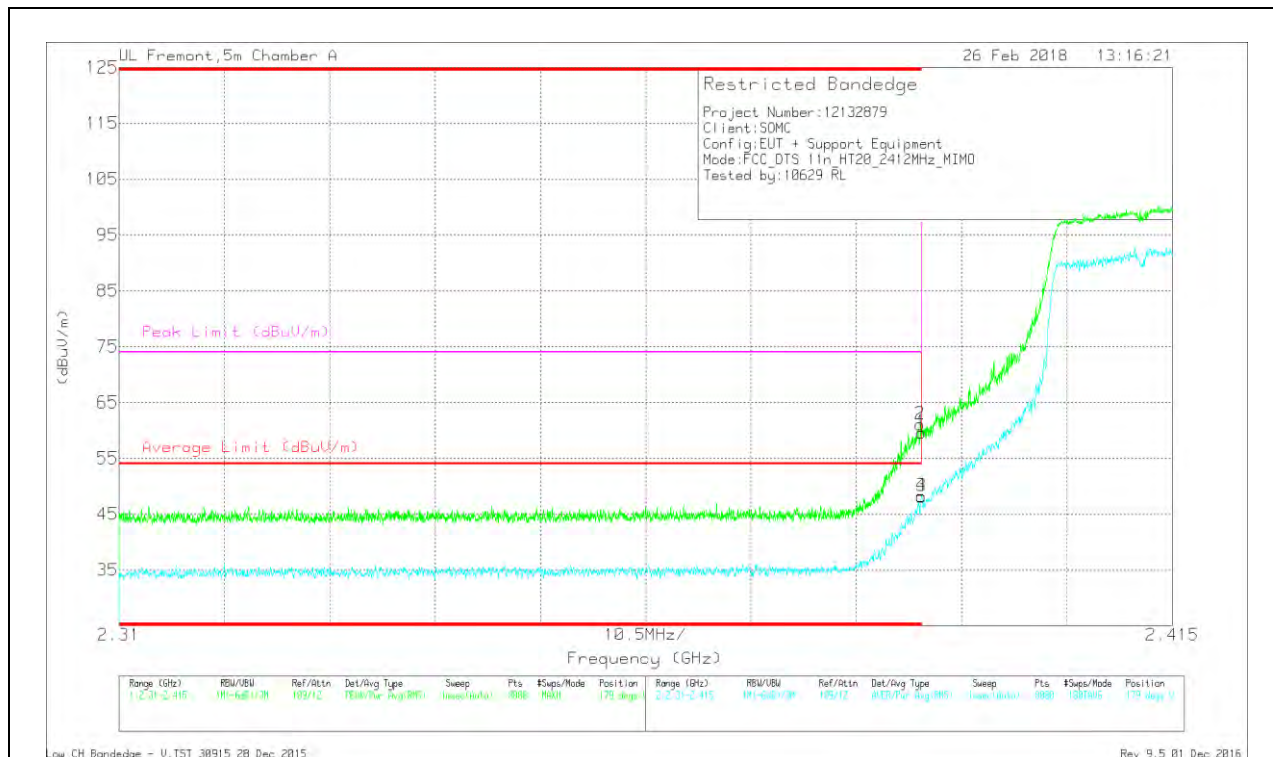
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dBm)	Amp/Chl/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	51.97	Pk	31.8	-23.5	0	60.27	-	-	74	-13.73	162	199	H
2	* 2.39	54.76	Pk	31.8	-23.5	0	63.06	-	-	74	-10.94	162	199	H
3	* 2.39	39.51	RMS	31.8	-23.5	.1	47.91	54	-6.09	-	-	162	199	H
4	* 2.39	40.45	RMS	31.8	-23.5	.1	48.85	54	-5.15	-	-	162	199	H

* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dBm)	Amp/Chl/Filter/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	* 2.39	51.33	Pk	31.8	-23.5	0	59.63	-	-	74	-14.37	179	121	V
2	* 2.39	52.77	Pk	31.8	-23.5	0	61.07	-	-	74	-12.93	179	121	V
3	* 2.39	39.82	RMS	31.8	-23.5	.1	48.22	54	-5.78	-	-	179	121	V
4	* 2.39	39.78	RMS	31.8	-23.5	.1	48.18	54	-5.82	-	-	179	121	V

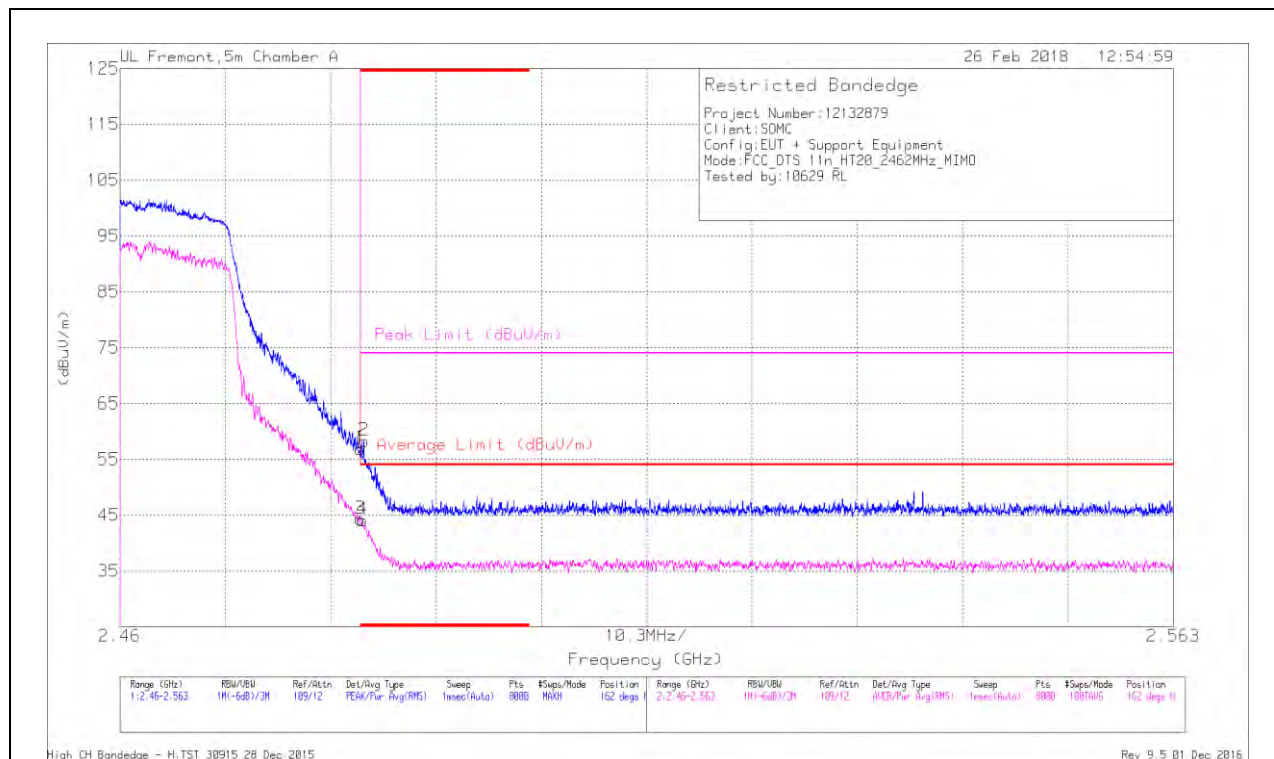
* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT



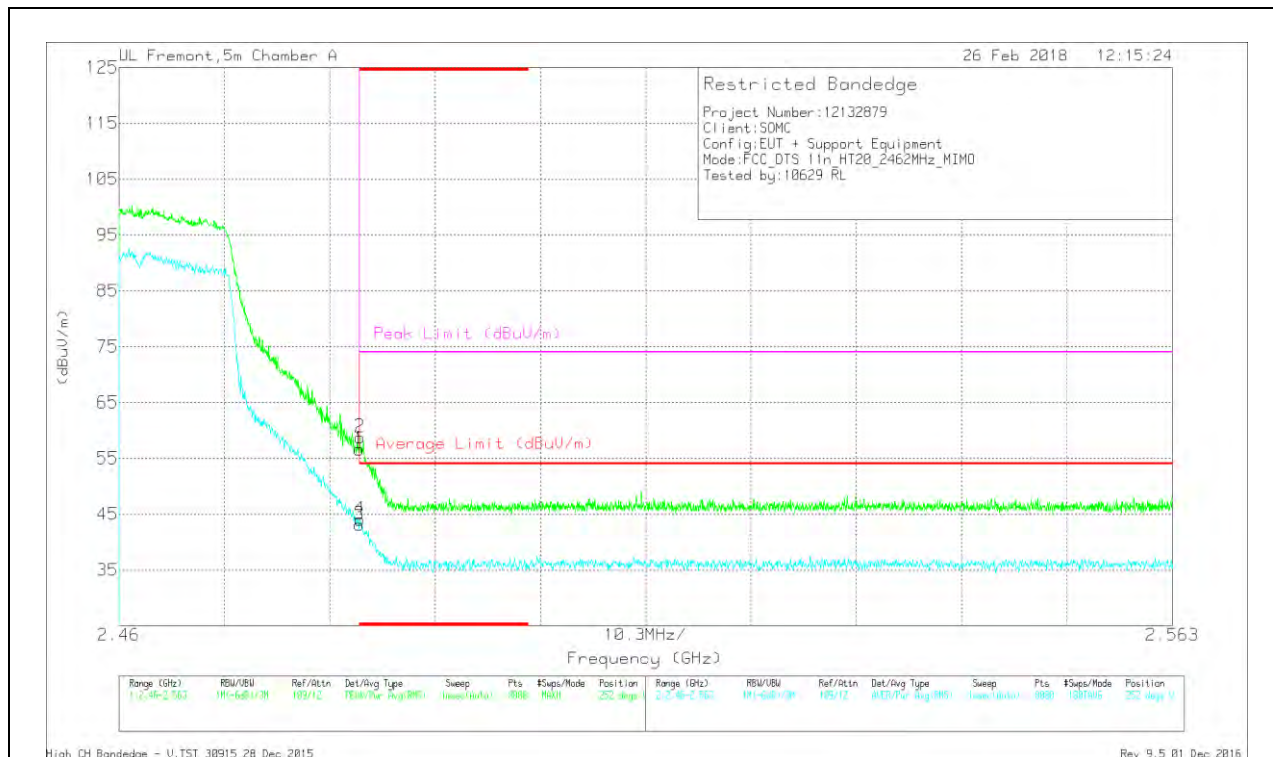
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dBm)	Amp/Chl/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	47.94	Pk	32.3	-23.4	0	58.84	-	-	74	-17.16	162	120	H
2	* 2.484	49.43	Pk	32.3	-23.4	0	58.33	-	-	74	-15.67	162	120	H
3	* 2.484	35.33	RMS	32.3	-23.4	.1	44.33	54	-9.67	-	-	162	120	H
4	* 2.484	35.15	RMS	32.3	-23.4	.1	44.15	54	-9.85	-	-	162	120	H

* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dBm)	Amp/Chl/IFtr/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	* 2.484	47.74	Pk	32.3	-23.4	0	56.64	-	-	74	-17.36	252	154	V
2	* 2.484	49.88	Pk	32.3	-23.4	0	58.78	-	-	74	-15.22	252	154	V
3	* 2.484	34.15	RMS	32.3	-23.4	.1	43.15	54	-10.85	-	-	252	154	V
4	* 2.484	35.06	RMS	32.3	-23.4	.1	44.06	54	-9.94	-	-	252	154	V

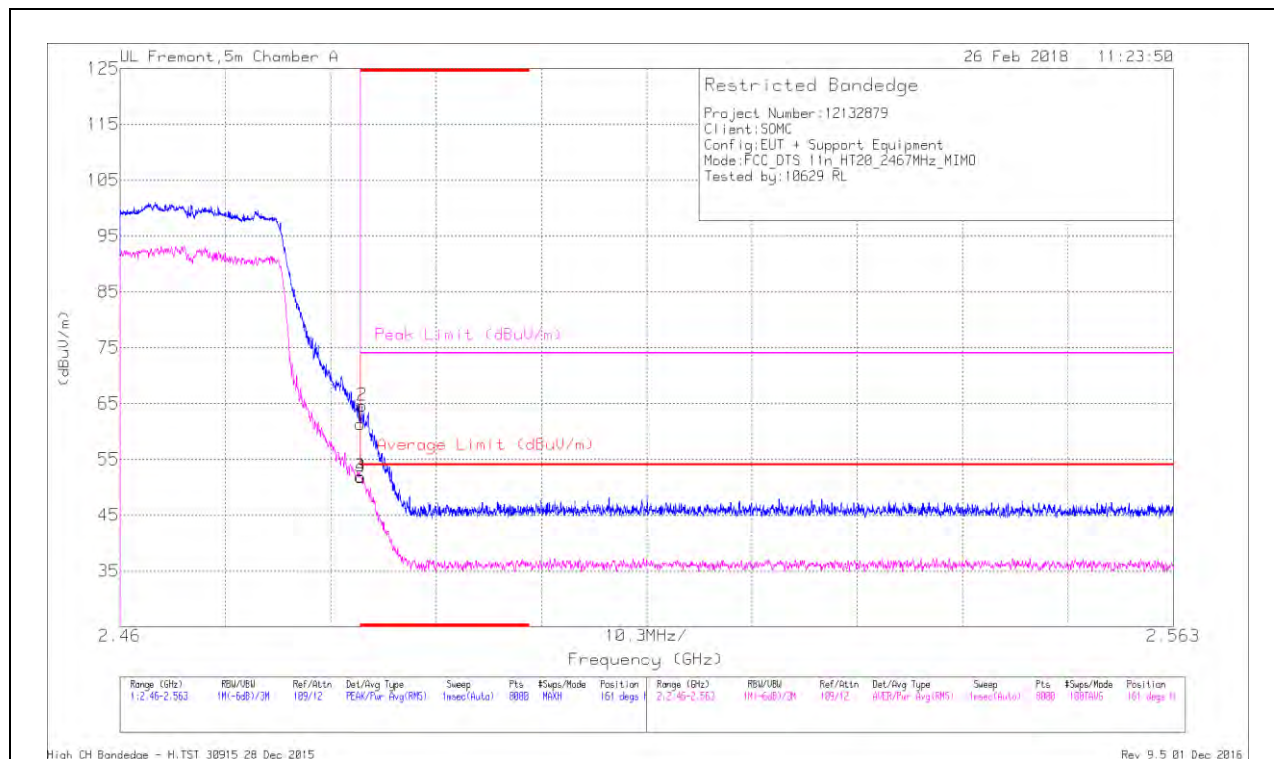
* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEGE (HIGH CHANNEL, CH 12)

HORIZONTAL RESULT



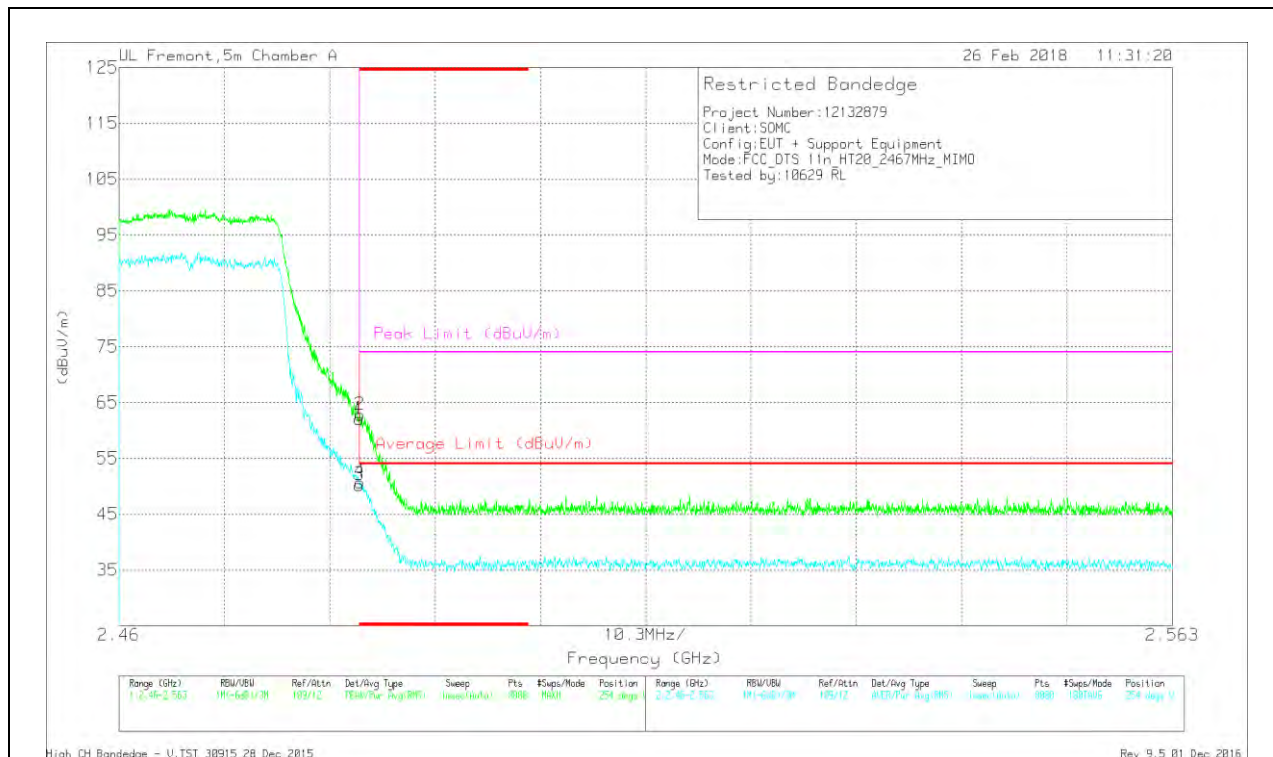
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T662 (dBm)	Amp/Chl/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	52.45	Pk	32.3	-23.4	0	61.35	-	-	74	-12.65	161	119	H
2	* 2.484	55.72	Pk	32.3	-23.4	0	64.62	-	-	74	-9.38	161	119	H
3	* 2.484	42.9	RMS	32.3	-23.4	.1	51.9	54	-2.1	-	-	161	119	H
4	* 2.484	42.79	RMS	32.3	-23.4	.1	51.79	54	-2.21	-	-	161	119	H

* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dBm)	Amp/Chl/Filter/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	* 2.484	53.14	Pk	32.3	-23.4	0	62.04	-	-	74	-11.96	254	154	V
2	* 2.484	53.89	Pk	32.3	-23.4	0	62.79	-	-	74	-11.21	254	154	V
3	* 2.484	41.23	RMS	32.3	-23.4	.1	50.23	54	-3.77	-	-	254	154	V
4	* 2.484	41.74	RMS	32.3	-23.4	.1	50.74	54	-3.26	-	-	254	154	V

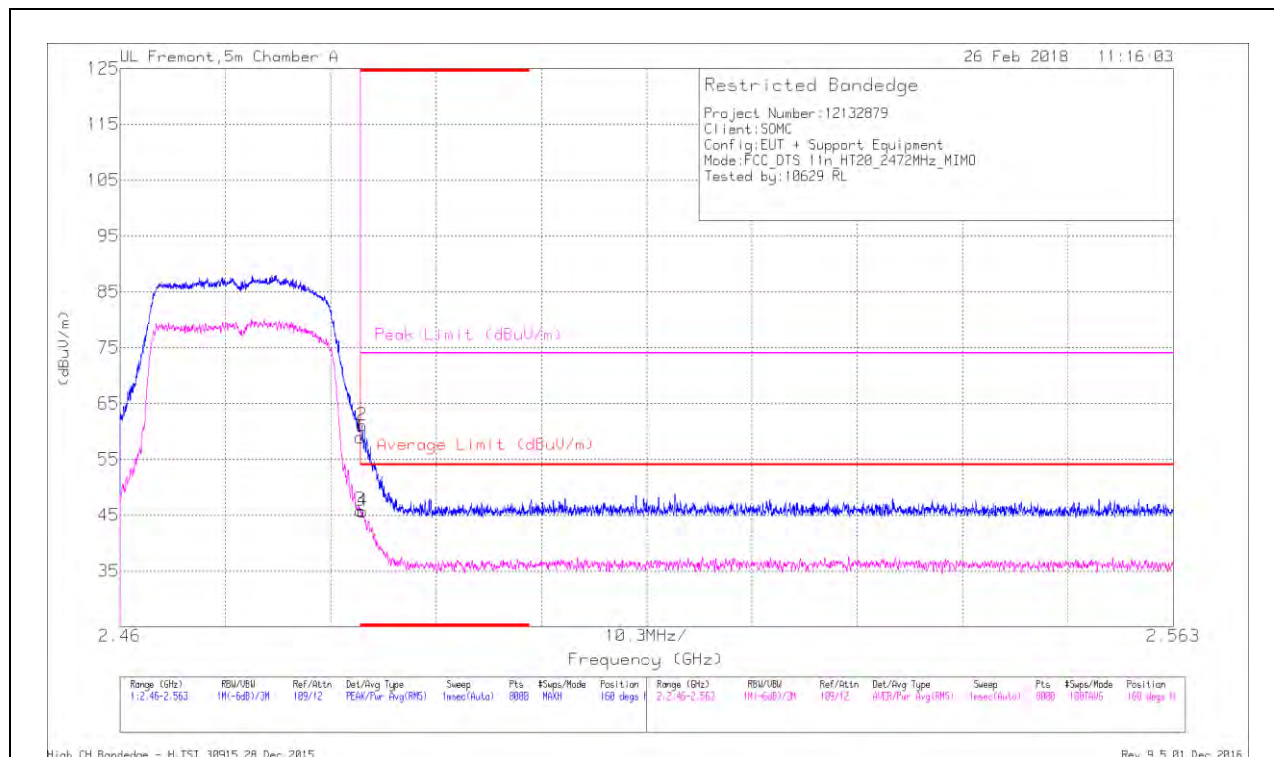
* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEGE (HIGH CHANNEL, CH 13)

HORIZONTAL RESULT



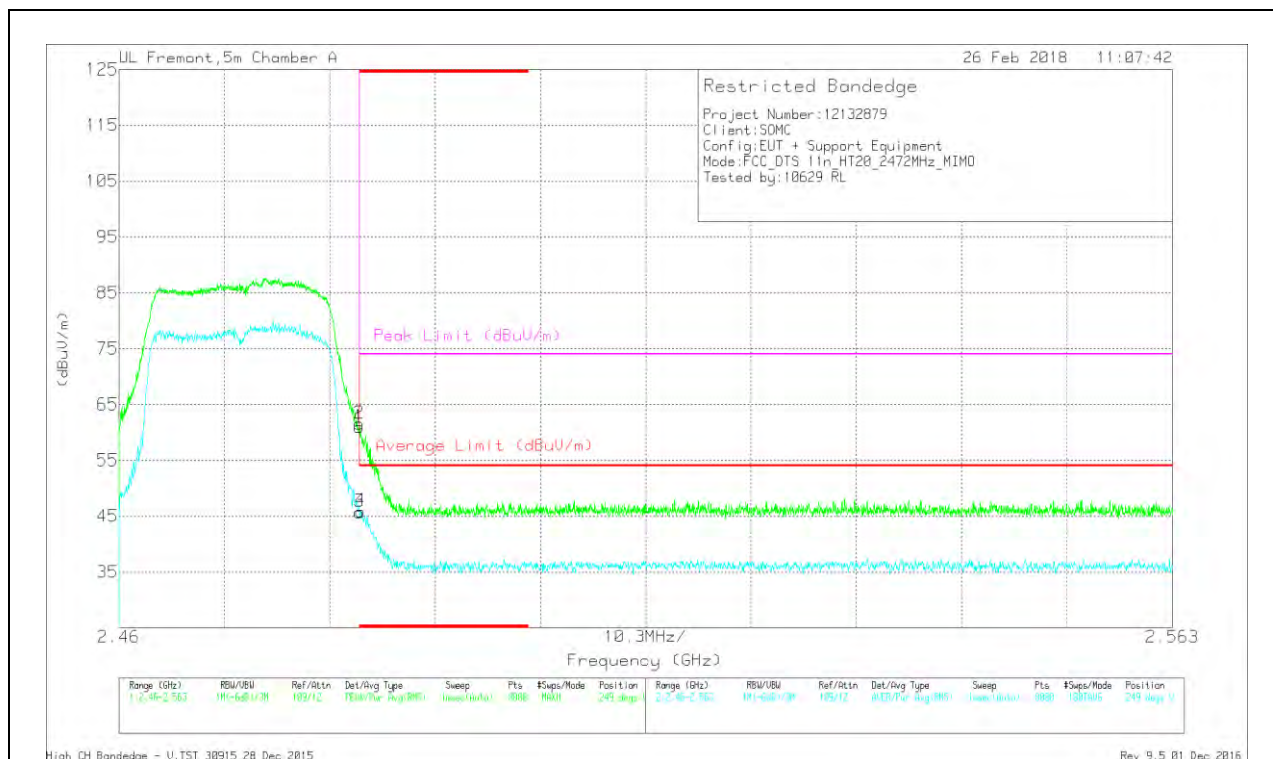
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dBm)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	50.05	Pk	32.3	-23.4	0	58.95	-	-	74	-15.05	160	132	H
2	* 2.484	52.17	Pk	32.3	-23.4	0	61.07	-	-	74	-12.93	160	132	H
3	* 2.484	36.85	RMS	32.3	-23.4	.1	45.85	54	-8.15	-	-	160	132	H
4	* 2.484	36.69	RMS	32.3	-23.4	.1	45.69	54	-8.31	-	-	160	132	H

* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dBm)	Amp/Chl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (m)	Height (cm)	Polarity
1	* 2.484	52.05	Pk	32.3	-23.4	0	60.95	-	-	74	-13.05	249	131	V
2	* 2.484	52.65	Pk	32.3	-23.4	0	61.55	-	-	74	-12.45	249	131	V
3	* 2.484	36.74	RMS	32.3	-23.4	.1	45.74	54	-8.26	-	-	249	131	V
4	* 2.484	36.86	RMS	32.3	-23.4	.1	45.86	54	-8.14	-	-	249	131	V

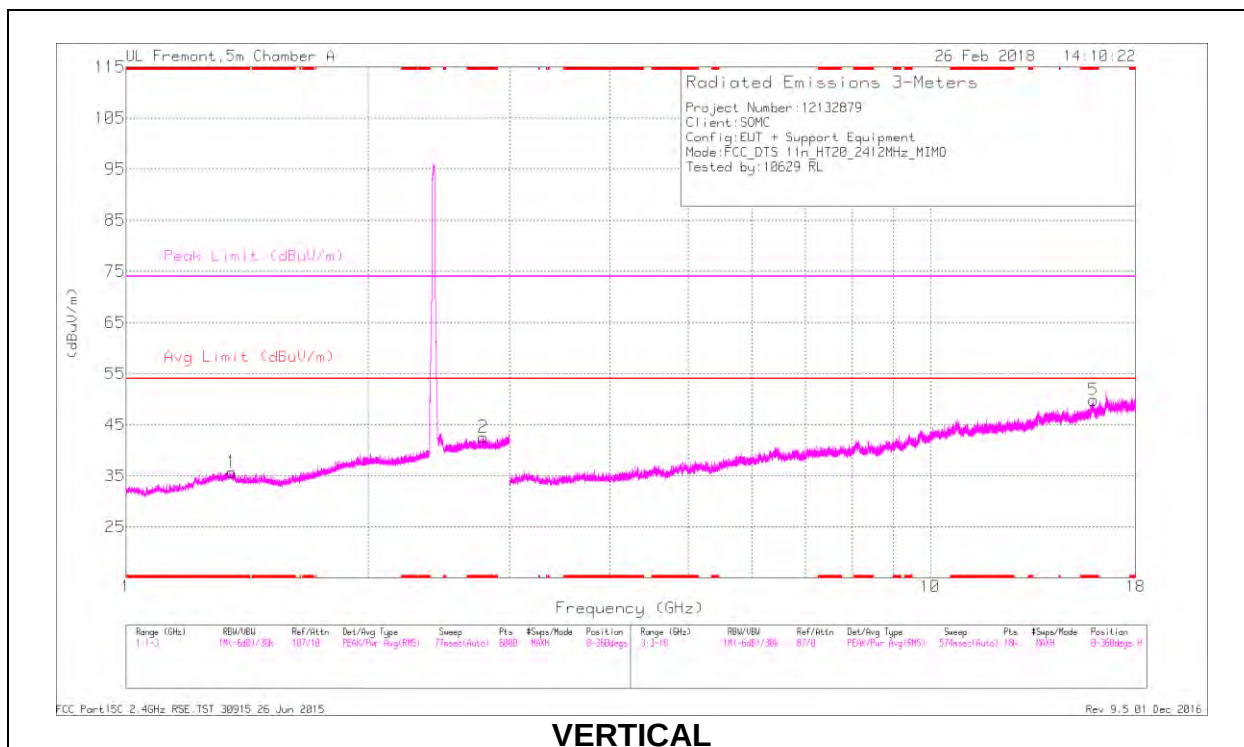
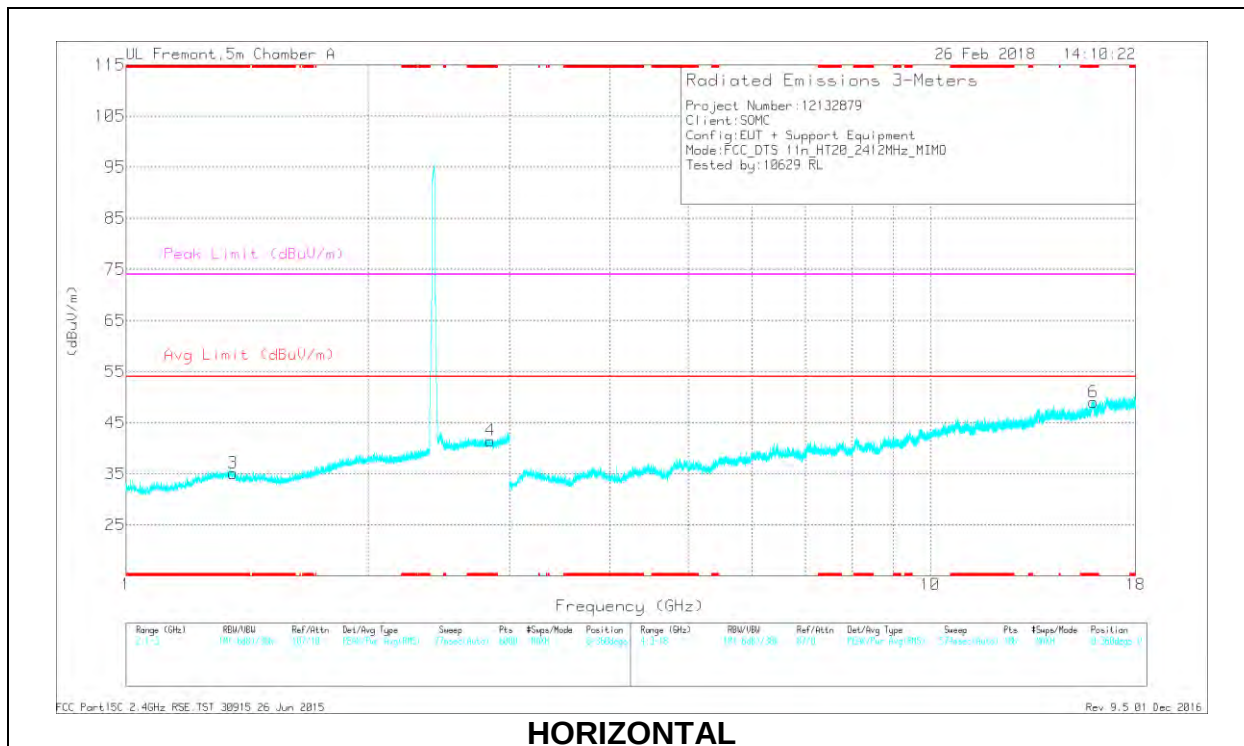
* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, CH 1 RESULTS



RADIATED EMISSIONS

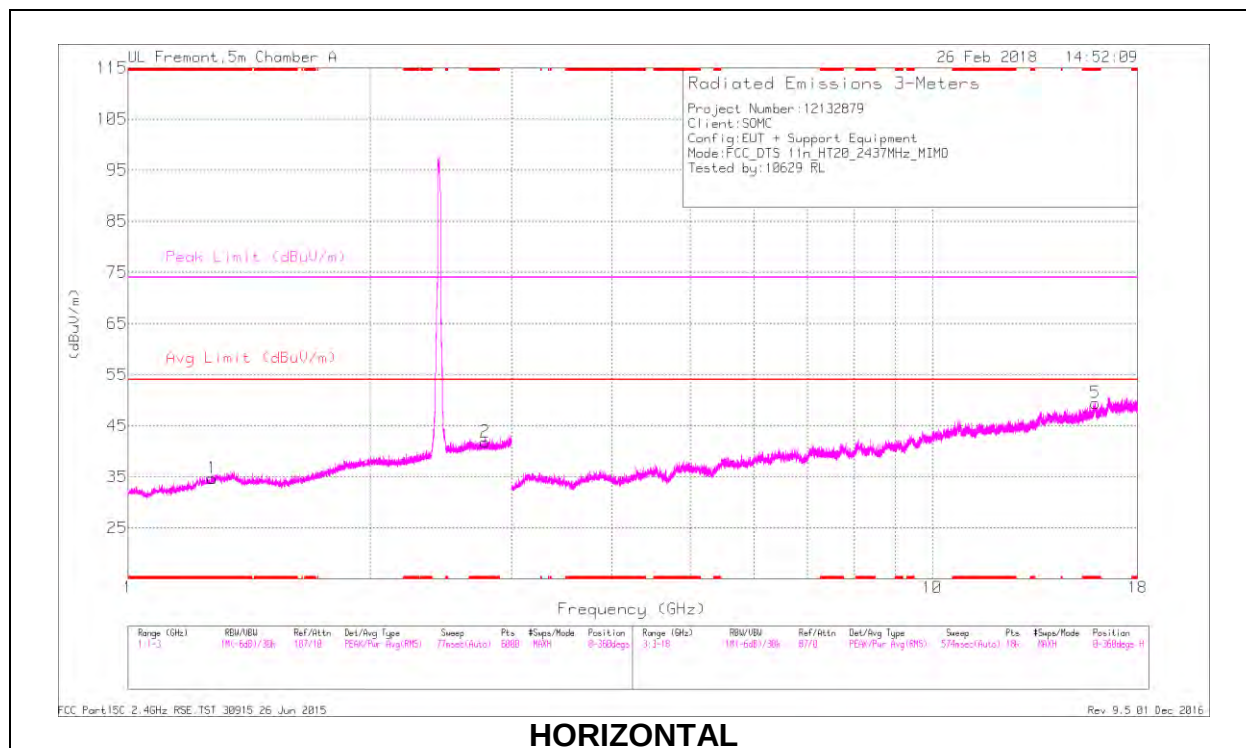
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.355	36.22	PK2	29.4	-23.8	0	41.82	-	-	74	-32.18	258	177	H
	* 1.353	24.88	MAv1	29.5	-23.7	.1	30.68	54	-23.32	-	-	258	177	H
2	* 2.782	37.81	PK2	32.3	-22.5	0	47.61	-	-	74	-26.39	211	247	H
	* 2.782	26.01	MAv1	32.3	-22.5	.1	35.81	54	-18.19	-	-	211	247	H
3	* 1.36	36.17	PK2	29.3	-23.7	0	41.77	-	-	74	-32.23	300	306	V
	* 1.358	24.59	MAv1	29.4	-23.8	.1	30.19	54	-23.81	-	-	300	306	V
4	* 2.839	37.12	PK2	32.2	-22.3	0	47.02	-	-	74	-26.98	319	201	V
	* 2.84	25.96	MAv1	32.2	-22.3	.1	35.86	54	-18.14	-	-	319	201	V
5	* 15.946	31.37	PK2	40.4	-16.6	0	55.17	-	-	74	-18.83	107	338	H
	* 15.95	20.87	MAv1	40.4	-16.7	.1	44.57	54	-9.43	-	-	107	338	H
6	* 15.952	32.35	PK2	40.4	-16.8	0	55.95	-	-	74	-18.05	200	191	V
	* 15.955	21.13	MAv1	40.4	-16.9	.1	44.63	54	-9.37	-	-	200	191	V

* - indicates frequency in CFR47 Pt 15 Restricted Band

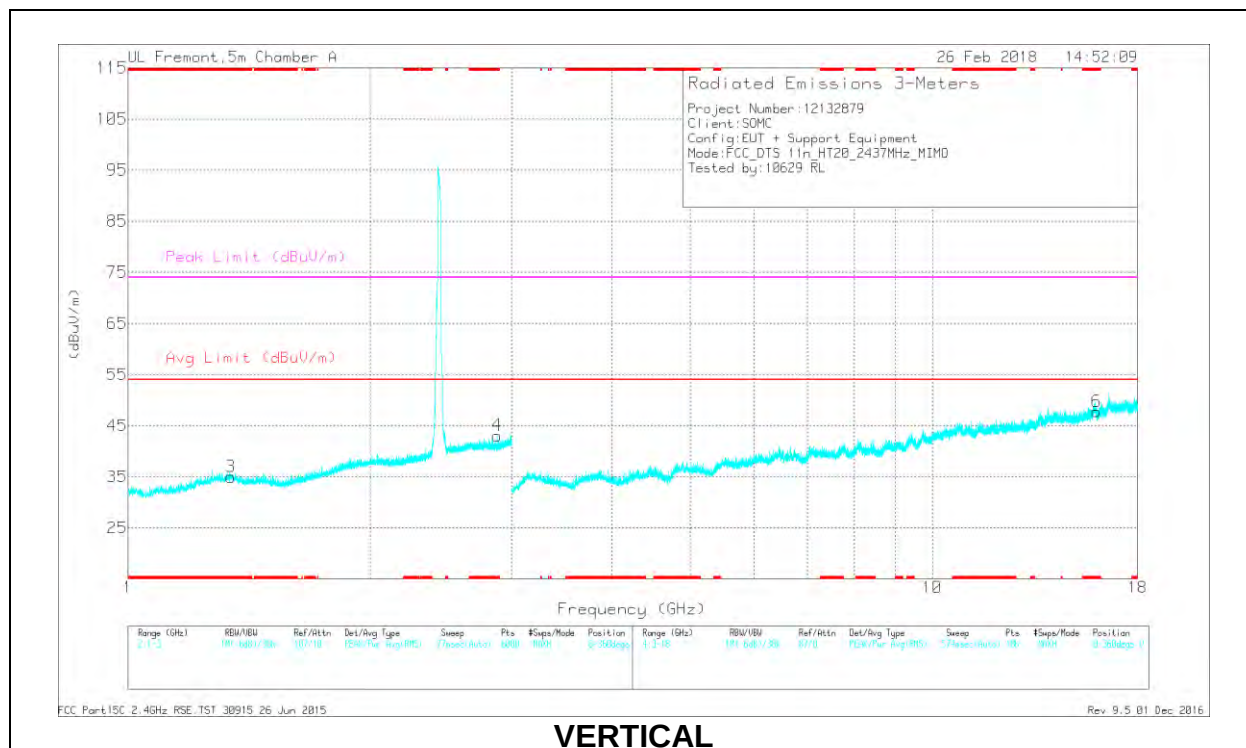
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL, CH 6 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

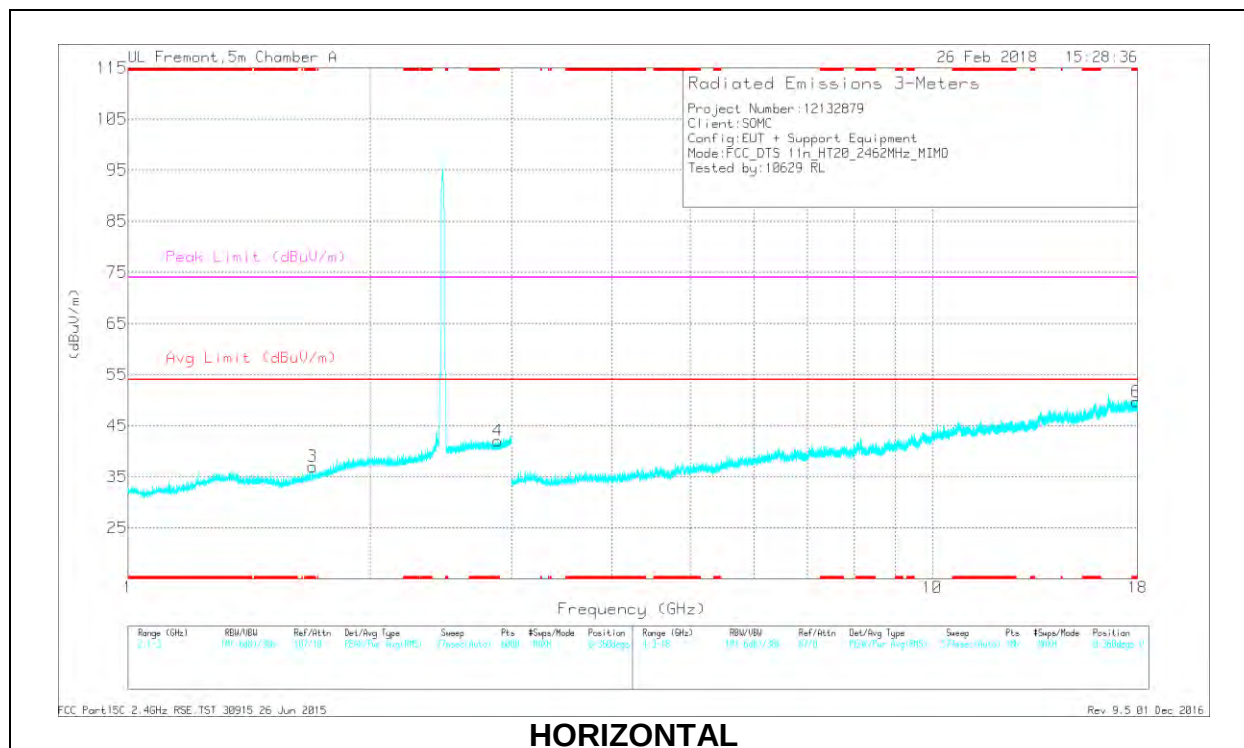
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.272	36.05	PK2	29.3	-23.7	0	41.65	-	-	74	-32.35	12	274	H
	* 1.276	23.92	MAv1	29.3	-23.8	.1	29.42	54	-24.58	-	-	12	274	H
2	* 2.782	37.13	PK2	32.3	-22.5	0	46.93	-	-	74	-27.07	113	136	H
	* 2.784	25.93	MAv1	32.3	-22.5	.1	35.73	54	-18.27	-	-	113	136	H
3	* 1.341	36.32	PK2	29.5	-23.8	0	42.02	-	-	74	-31.98	259	115	V
	* 1.342	24.69	MAv1	29.5	-23.8	.1	30.39	54	-23.61	-	-	259	115	V
4	* 2.878	37.47	PK2	32.2	-22.1	0	47.57	-	-	74	-26.43	335	139	V
	* 2.878	25.82	MAv1	32.2	-22.1	.1	35.92	54	-18.08	-	-	335	139	V
5	* 15.951	31.81	PK2	40.4	-16.7	0	55.51	-	-	74	-18.49	182	239	H
	* 15.949	21.53	MAv1	40.4	-16.6	.1	45.33	54	-8.67	-	-	182	239	H
6	* 16.006	33.36	PK2	40.4	-18.8	0	54.96	-	-	74	-19.04	215	129	V
	* 16.008	21.95	MAv1	40.4	-18.8	.1	43.55	54	-10.45	-	-	215	129	V

* - indicates frequency in CFR47 Pt 15 Restricted Band

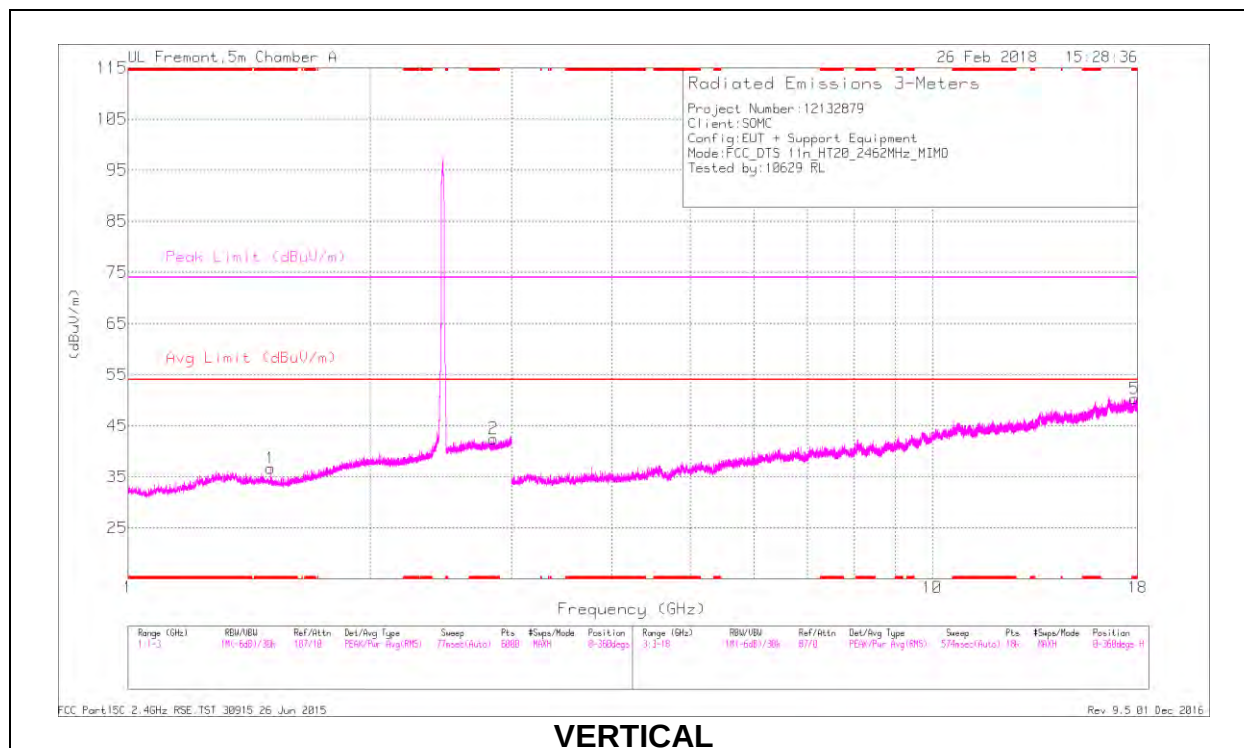
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL, CH 11 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.502	36.92	PK2	28.4	-23.6	0	41.72	-	-	74	-32.28	321	188	H
	* 1.503	24.61	MAv1	28.4	-23.5	.1	29.51	54	-24.49	-	-	321	188	H
2	* 2.845	37.26	PK2	32.1	-22.3	0	47.06	-	-	74	-26.94	200	244	H
	* 2.846	25.86	MAv1	32.1	-22.3	.1	35.66	54	-18.34	-	-	200	244	H
3	* 1.698	36.58	PK2	28.9	-23.5	0	41.98	-	-	74	-32.02	332	155	V
	* 1.699	25	MAv1	29	-23.6	.1	30.4	54	-23.6	-	-	332	155	V
4	* 2.885	36.81	PK2	32.2	-22.2	0	46.81	-	-	74	-27.19	114	239	V
	* 2.885	25.74	MAv1	32.2	-22.2	.1	35.74	54	-18.26	-	-	114	239	V
5	* 17.834	32.87	PK2	41.2	-18.5	0	55.57	-	-	74	-18.43	225	193	H
	* 17.833	22.37	MAv1	41.2	-18.5	.1	45.07	54	-8.93	-	-	225	193	H
6	* 17.942	32.86	PK2	41.2	-17.9	0	56.16	-	-	74	-17.84	195	219	V
	* 17.941	21.33	MAv1	41.2	-17.9	.1	44.63	54	-9.37	-	-	195	219	V

* - indicates frequency in CFR47 Pt 15 Restricted Band

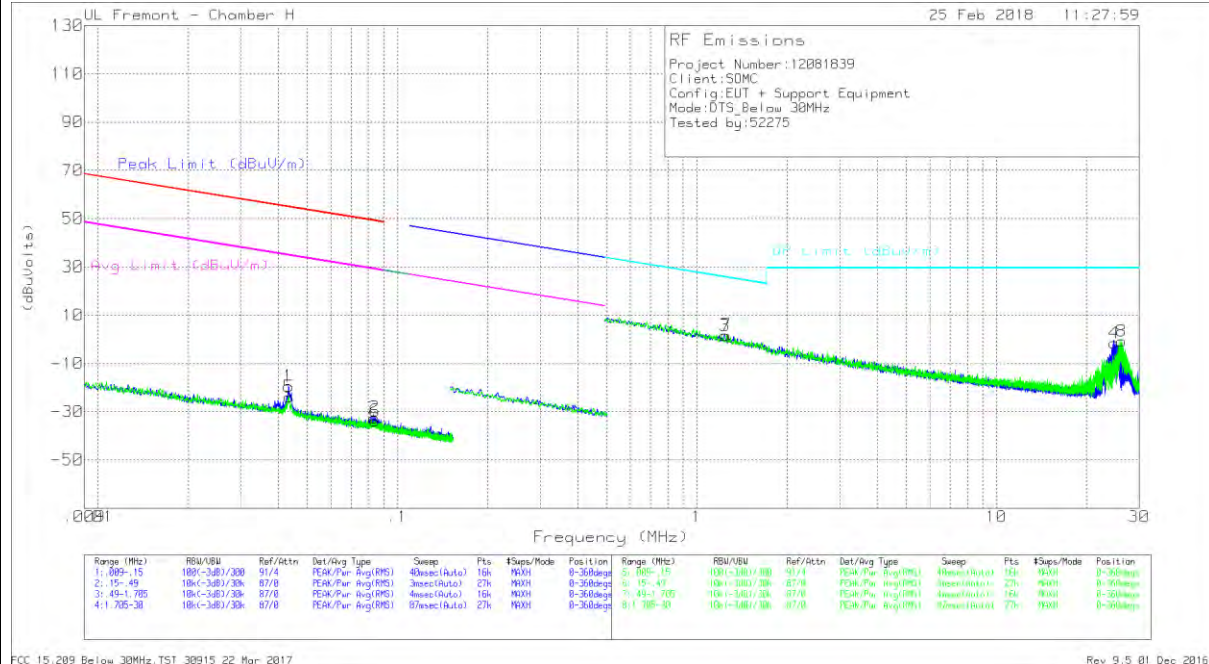
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

9.2. Worst Case Below 30 MHz

SPURIOUS EMISSIONS BELOW 30 MHz (WORST-CASE CONFIGURATION)

HORIZONTAL AND VERTICAL PLOTS



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.

Below 30MHz Data

Trace Markers

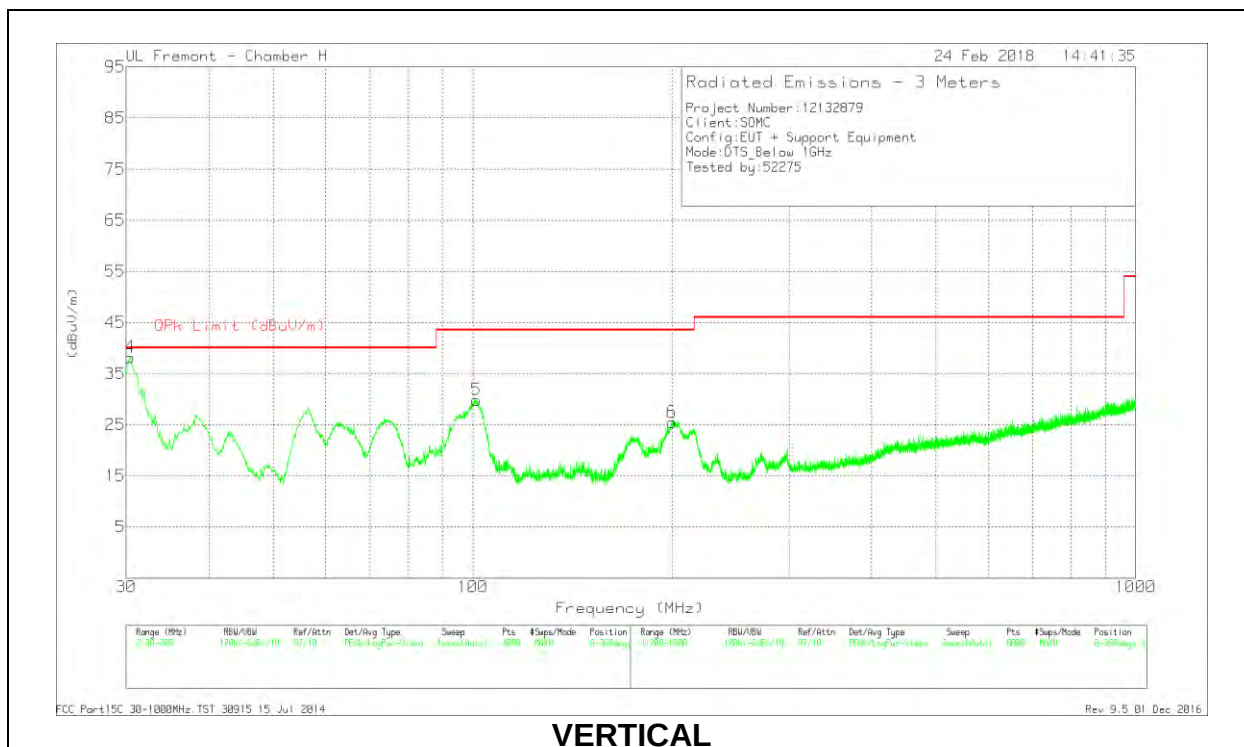
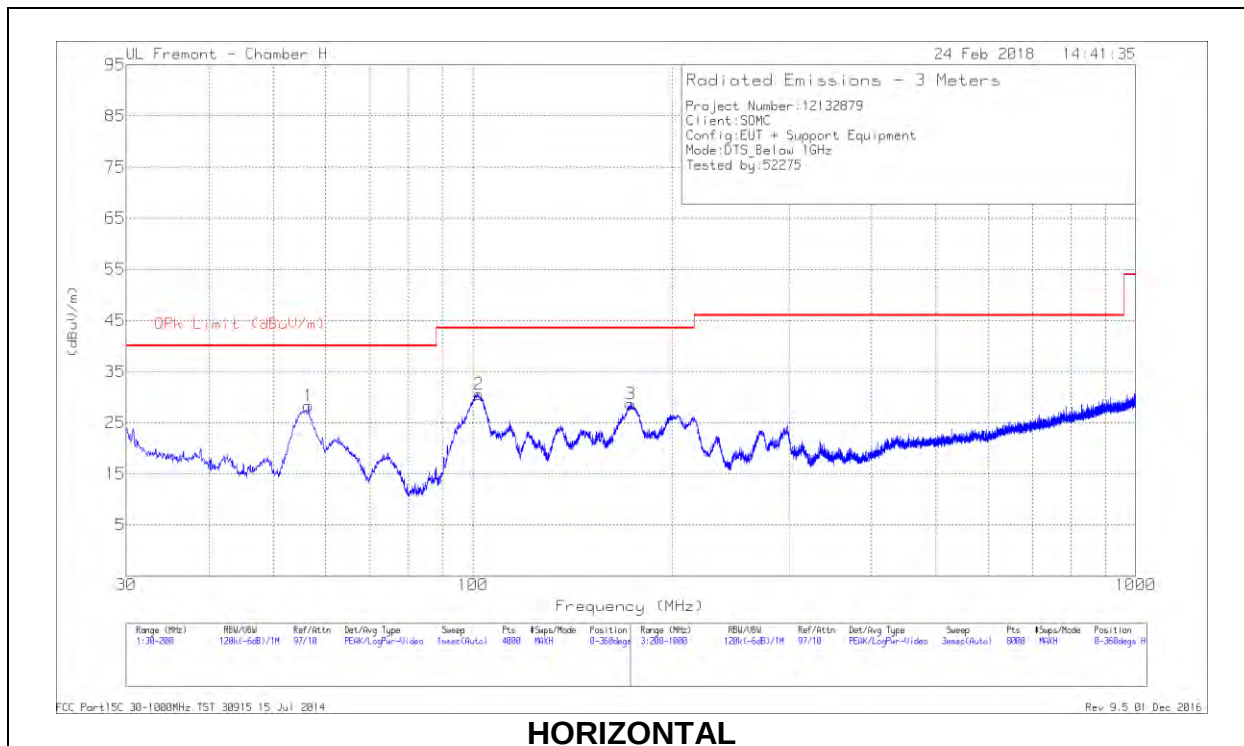
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cables (dB)	Dist Corr 300m	Corrected Reading (dBuVolts)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
1	.0433	47.97	Pk	12.6	0	-80	-19.43	54.86	-74.29	34.86	-54.29	0-360
5	.04338	43.46	Pk	12.6	0	-80	-23.94	54.84	-78.78	34.84	-58.78	0-360
2	.08362	35.75	Pk	11.8	0	-80	-32.45	49.14	-81.59	29.14	-61.59	0-360
6	.08413	34.39	Pk	11.8	0	-80	-33.81	49.09	-82.9	29.09	-62.9	0-360

Pk - Peak detector

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cables (dB)	Dist Corr (dB) 40Log	Corrected Reading (dBuVolts)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
3	1.23852	29.85	Pk	11.6	.1	-40	1.55	25.77	-24.22	0-360
7	1.25581	30	Pk	11.6	.1	-40	1.7	25.65	-23.95	0-360
4	24.68659	28.81	Pk	9	.6	-40	-1.59	29.5	-31.09	0-360
8	26.20829	29.67	Pk	8.9	.6	-40	-.83	29.5	-30.33	0-360

Pk - Peak detector

9.3. Worst Case Below 1 GHz



Below 1GHz DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T185 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* 173.092	43.26	Pk	15.3	-29.9	28.66	43.52	-14.86	0-360	199	H
4	30.4251	46.07	Pk	23.4	-31.3	38.17	40	-1.83	0-360	100	V
1	56.5269	47.68	Pk	11.5	-30.9	28.28	40	-11.72	0-360	399	H
5	101.2484	46.06	Pk	14.3	-30.5	29.86	43.52	-13.66	0-360	100	V
2	102.1837	46.35	Pk	14.6	-30.4	30.55	43.52	-12.97	0-360	299	H
6	199.874	38.79	Pk	16.5	-29.8	25.49	43.52	-18.03	0-360	100	V

* - indicates frequency in CFR47 Pt 15 Restricted Band

Pk - Peak detector

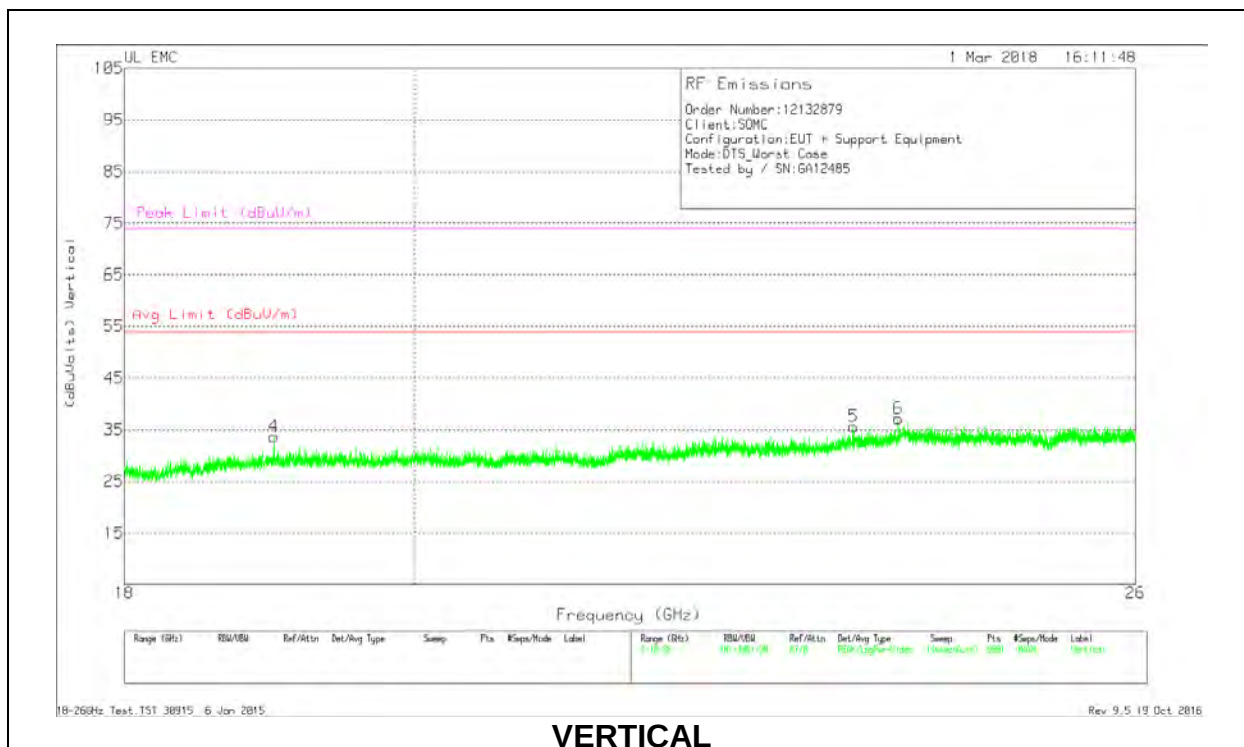
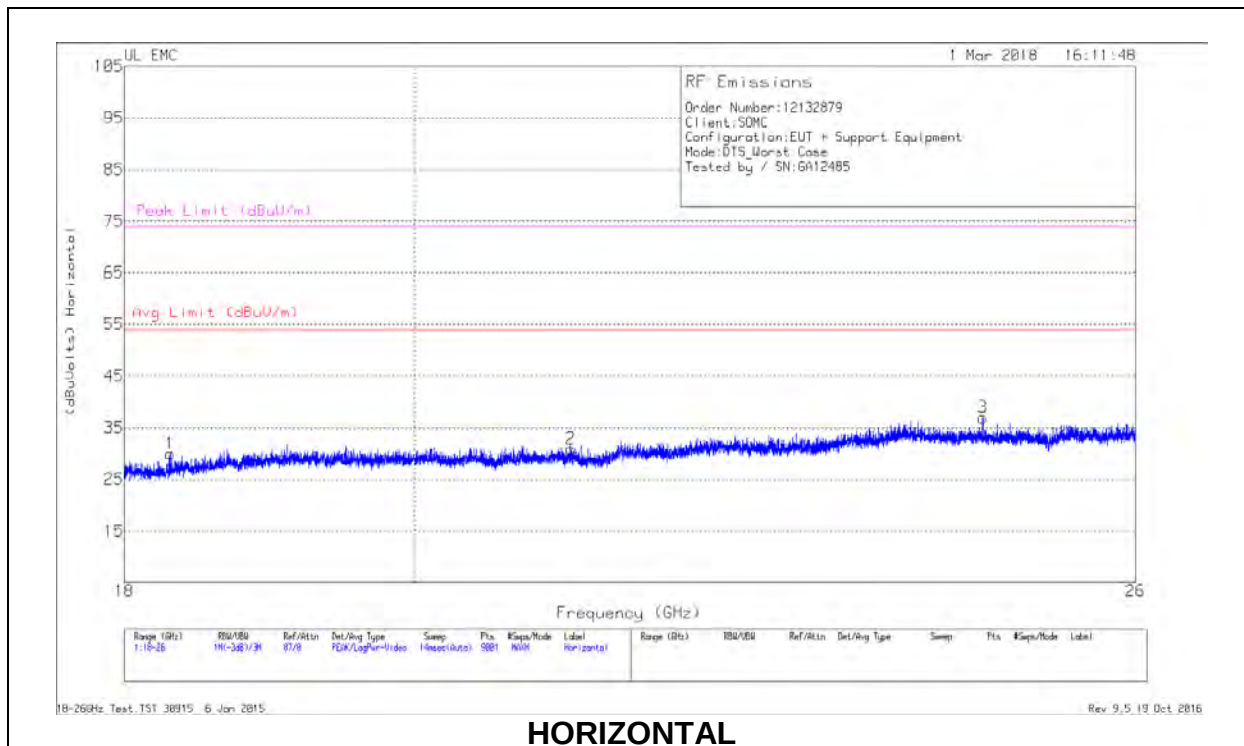
Radiated Emissions

Frequency (MHz)	Meter Reading (dBuV)	Det	AF T185 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
30.2792	36.32	Qp	23.5	-31.3	28.52	40	-11.48	160	158	V

* - indicates frequency in CFR47 Pt 15 Restricted Band

Qp - Quasi-Peak detector

9.4. Worst Case 18-26 GHz



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	T449 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Corrected Reading (dBuVolts)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)
1	18.304	32.49	Pk	32.2	-25.2	-9.5	29.99	54	-24.01	74	-44.01
2	21.174	32.48	Pk	33.1	-25.2	-9.5	30.88	54	-23.12	74	-43.12
3	24.595	36.45	Pk	34.1	-24.1	-9.5	36.95	54	-17.05	74	-37.05
4	19.006	35.52	Pk	32.5	-24.8	-9.5	33.72	54	-20.28	74	-40.28
5	23.465	35.69	Pk	33.9	-24.5	-9.5	35.59	54	-18.41	74	-38.41
6	23.85	36.93	Pk	33.8	-24.1	-9.5	37.13	54	-16.87	74	-36.87

Pk - Peak detector

10. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

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.

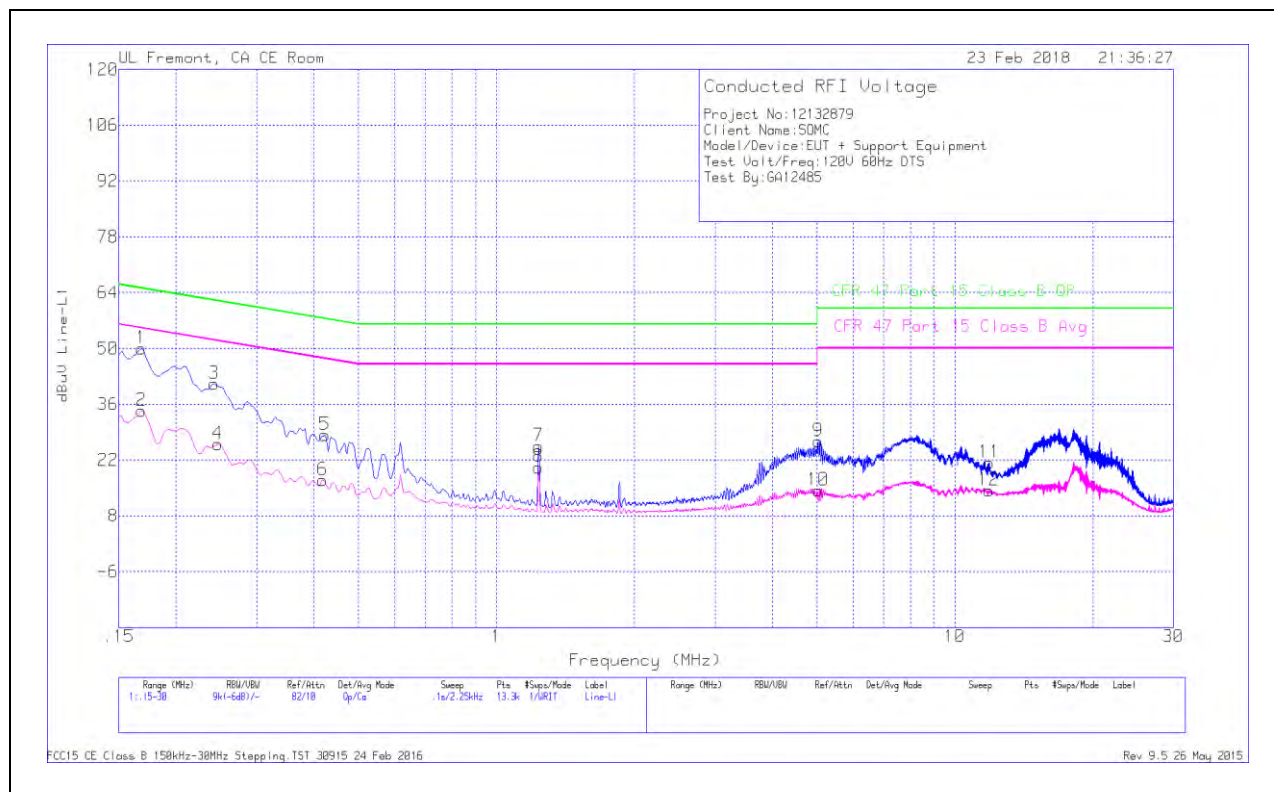
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

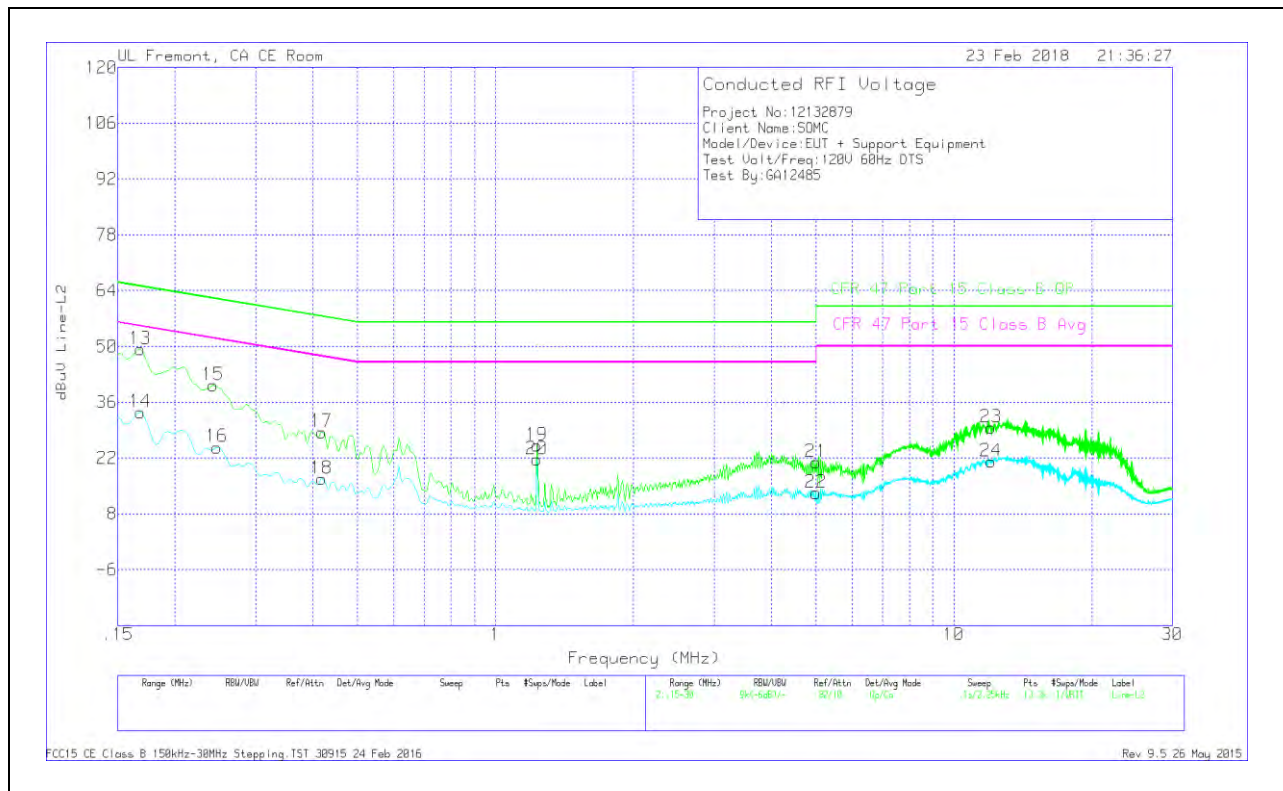
10.1.1. AC Power Line Norm

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	.168	39.76	Qp	.1	0	10.1	49.96	65.06	-15.1	-	-
2	.168	24.08	Ca	.1	0	10.1	34.28	-	-	55.06	-20.78
3	.24225	31.07	Qp	0	0	10.1	41.17	62.02	-20.85	-	-
4	.24675	15.93	Ca	0	0	10.1	26.03	-	-	51.87	-25.84
5	.42225	18.24	Qp	0	0	10.1	28.34	57.4	-29.06	-	-
6	.41775	6.87	Ca	0	0	10.1	16.97	-	-	47.49	-30.52
7	1.23675	15.35	Qp	0	.1	10.1	25.55	56	-30.45	-	-
8	1.23675	9.99	Ca	0	.1	10.1	20.19	-	-	46	-25.81
9	5.03025	16.38	Qp	0	.1	10.2	26.68	60	-33.32	-	-
10	5.0325	4	Ca	0	.1	10.2	14.3	-	-	50	-35.7
11	11.8995	10.81	Qp	.1	.2	10.2	21.31	60	-38.69	-	-
12	11.877	3.92	Ca	.1	.2	10.2	14.42	-	-	50	-35.58

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	.168	39.28	Qp	0	0	10.1	49.38	65.06	-15.68	-	-
14	.168	23.39	Ca	0	0	10.1	33.49	-	-	55.06	-21.57
15	.24225	30.19	Qp	0	0	10.1	40.29	62.02	-21.73	-	-
16	.24675	14.61	Ca	0	0	10.1	24.71	-	-	51.87	-27.16
17	.41775	18.43	Qp	0	0	10.1	28.53	57.49	-28.96	-	-
18	.41775	6.77	Ca	0	0	10.1	16.87	-	-	47.49	-30.62
19	1.23225	14.88	Qp	0	.1	10.1	25.08	56	-30.92	-	-
20	1.23225	11.51	Ca	0	.1	10.1	21.71	-	-	46	-24.29
21	5.001	10.68	Qp	0	.1	10.2	20.98	60	-39.02	-	-
22	4.99875	2.94	Ca	0	.1	10.2	13.24	-	-	46	-32.76
23	12.0435	19.25	Qp	0	.2	10.2	29.65	60	-30.35	-	-
24	12.0435	10.73	Ca	0	.2	10.2	21.13	-	-	50	-28.87