



## 10. RADIATED TEST RESULTS

### 10.1. LIMITS AND PROCEDURE

#### 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 120 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements for the 30-1000 MHz range, 9 kHz for peak detection measurements or 9 kHz for quasi-peak detection measurements for the 0.15-30 MHz range and 200 Hz for peak detection measurements or 200 Hz for quasi-peak detection measurements for the 9 to 150 kHz range. 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 add duty cycle factor for average measurements.

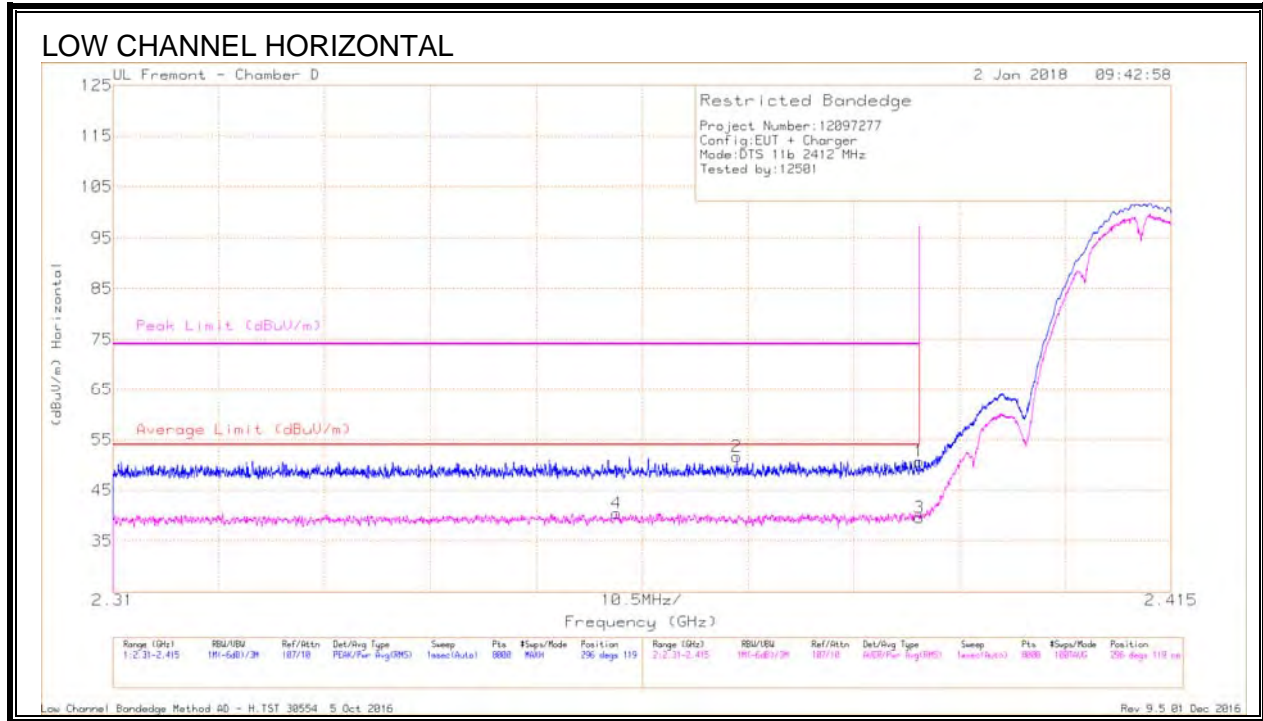
The spectrum from 1 GHz to 18 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band. Below 1GHz and above 18GHz emissions, the channel with the highest output power was tested.

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

## 10.2. TRANSMITTER ABOVE 1 GHz

### 10.2.1 11b MIMO MODE IN THE 2.4GHz BAND

#### AUTHORIZED BANDEGE (LOW CHANNEL, CH 1)



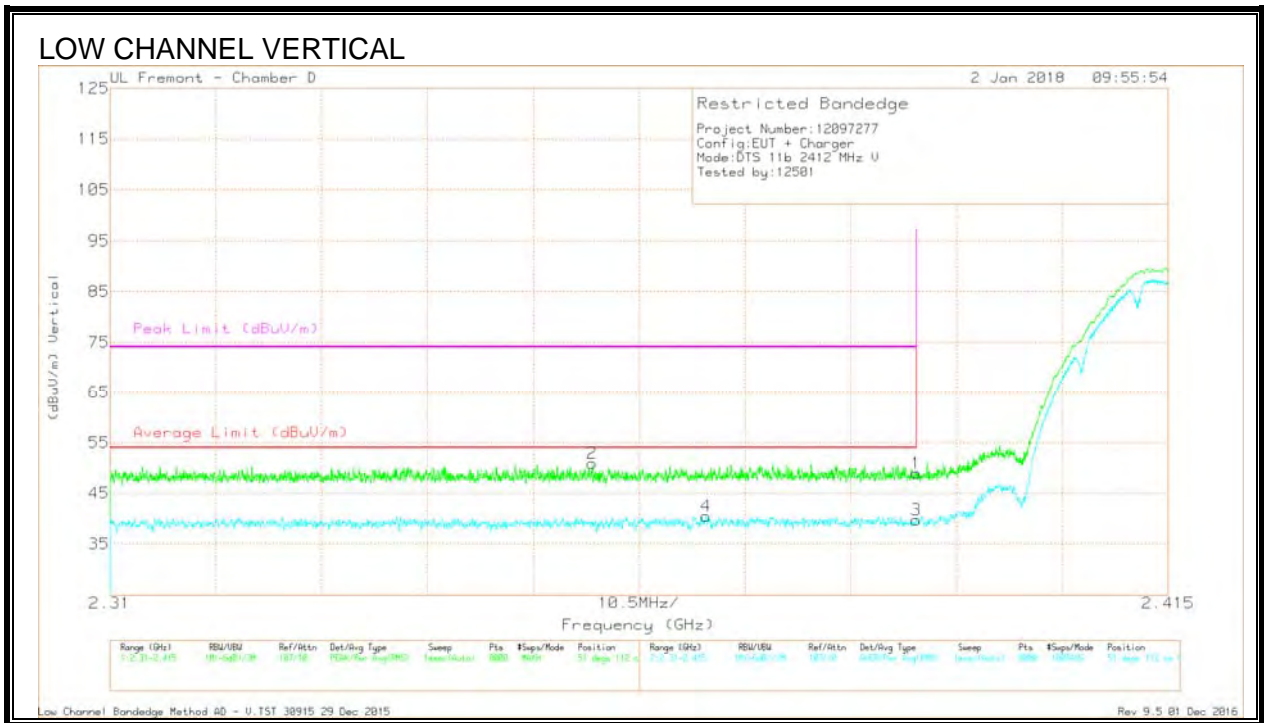
#### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	39.01	Pk	32.1	-20.5	50.61	-	-	74	-23.39	296	119	H
2	* 2.372	40.13	Pk	32.1	-20.6	51.63	-	-	74	-22.37	296	119	H
3	* 2.39	27.96	RMS	32.1	-20.5	39.56	54	-14.44	-	-	296	119	H
4	* 2.36	29.07	RMS	32	-20.6	40.47	54	-13.53	-	-	296	119	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	37.29	Pk	32.1	-20.5	48.89	-	-	74	-25.11	51	112	V
2	* 2.358	39.49	Pk	32	-20.6	50.89	-	-	74	-23.11	51	112	V
3	* 2.39	28.16	RMS	32.1	-20.5	39.76	54	-14.24	-	-	51	112	V
4	* 2.369	28.97	RMS	32.1	-20.6	40.47	54	-13.53	-	-	51	112	V

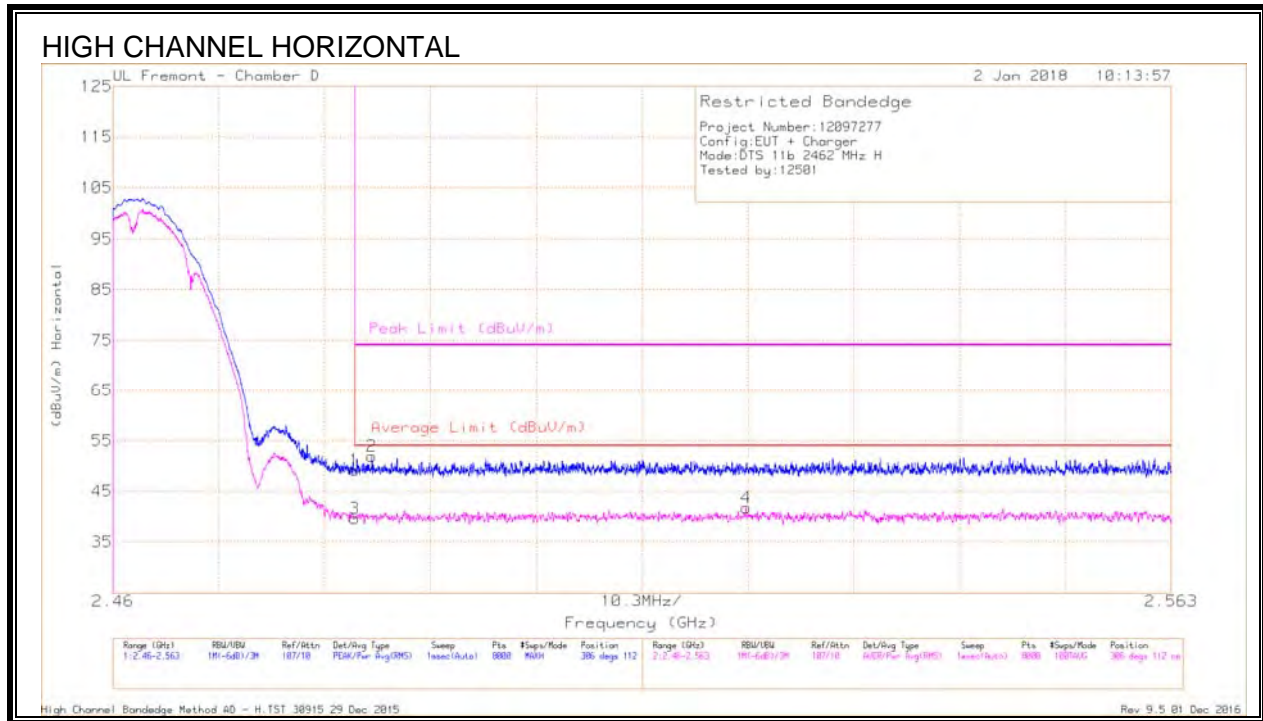
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection



**AUTHORIZED BANDEGE (HIGH CHANNEL, CH 11)**



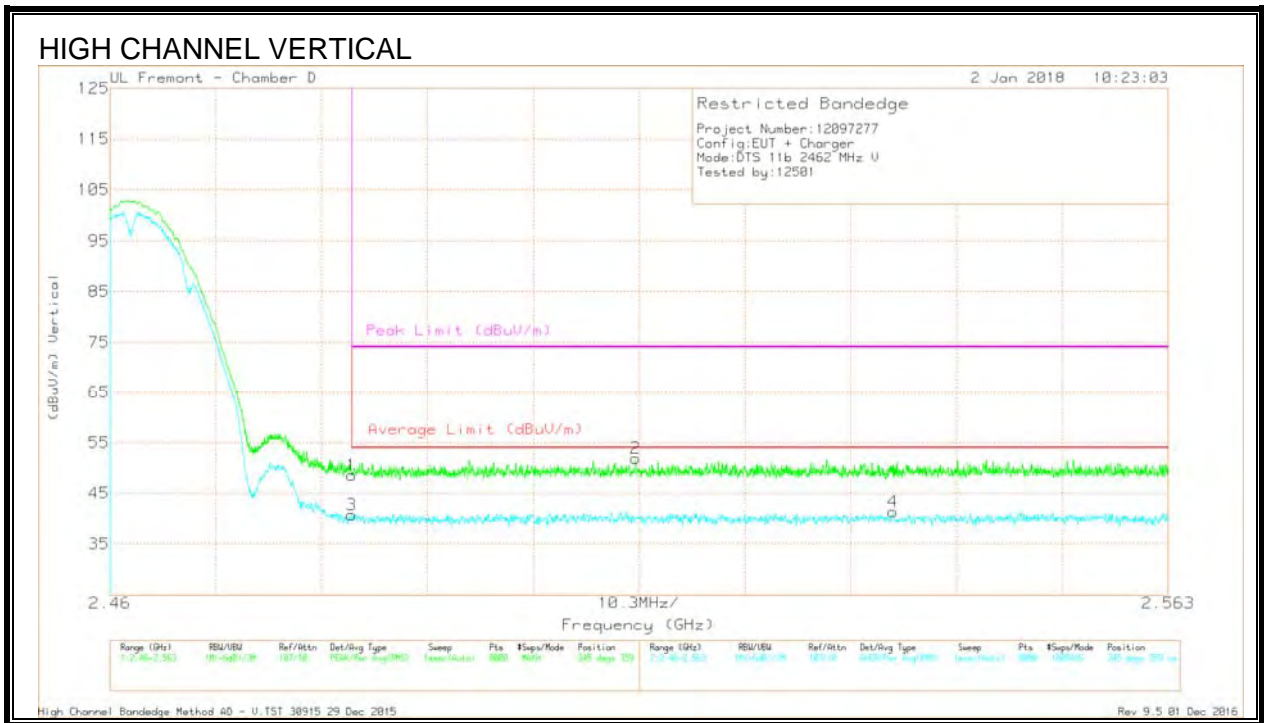
**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cb/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	37.16	Pk	32.5	-20.5	49.16	-	-	74	-24.84	306	112	H
2	* 2.485	39.83	Pk	32.6	-20.5	51.93	-	-	74	-22.07	306	112	H
3	* 2.484	27.56	RMS	32.5	-20.5	39.56	54	-14.44	-	-	306	112	H
4	2.522	29.48	RMS	32.6	-20.4	41.68	54	-12.32	-	-	306	112	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

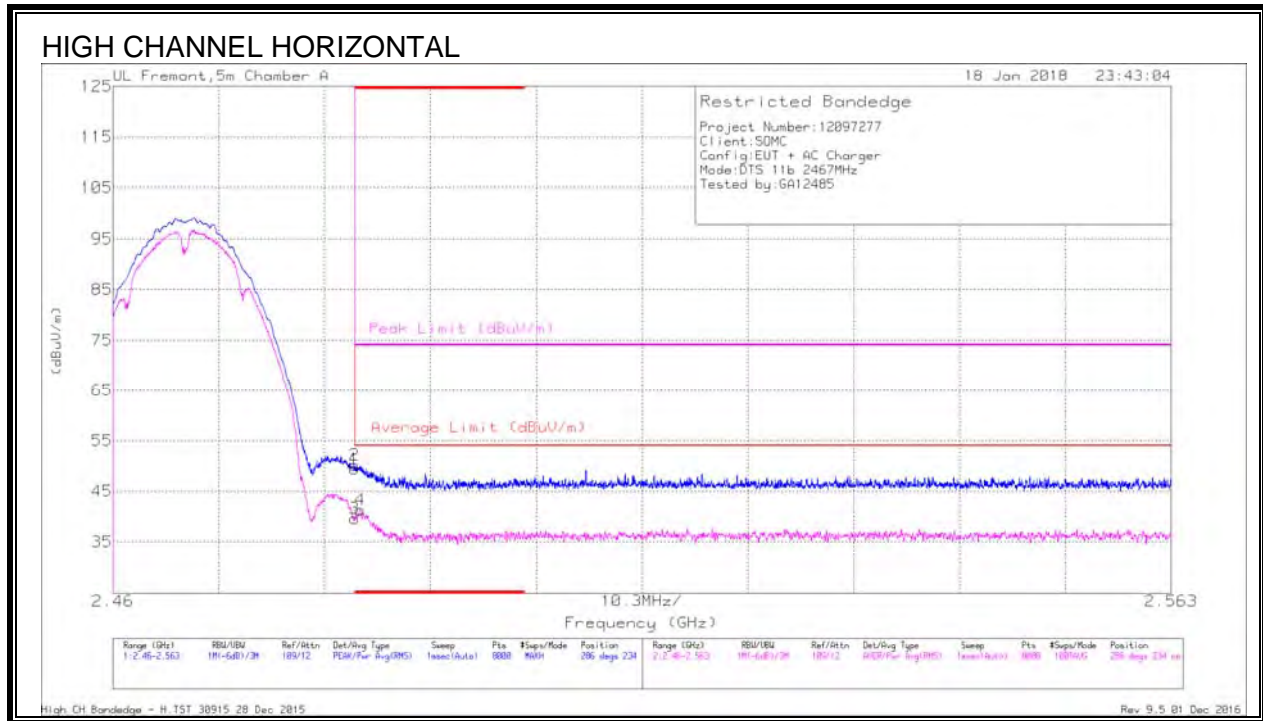
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cb/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	36.6	Pk	32.5	-20.5	48.6	-	-	74	-25.4	345	359	V
3	* 2.484	28.74	RMS	32.5	-20.5	40.74	54	-13.26	-	-	345	359	V
2	2.511	39.56	Pk	32.6	-20.3	51.86	-	-	74	-22.14	345	359	V
4	2.536	29.22	RMS	32.6	-20.5	41.32	54	-12.68	-	-	345	359	V

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

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEGE (HIGH CHANNEL, CH 12)**



**Trace Markers**

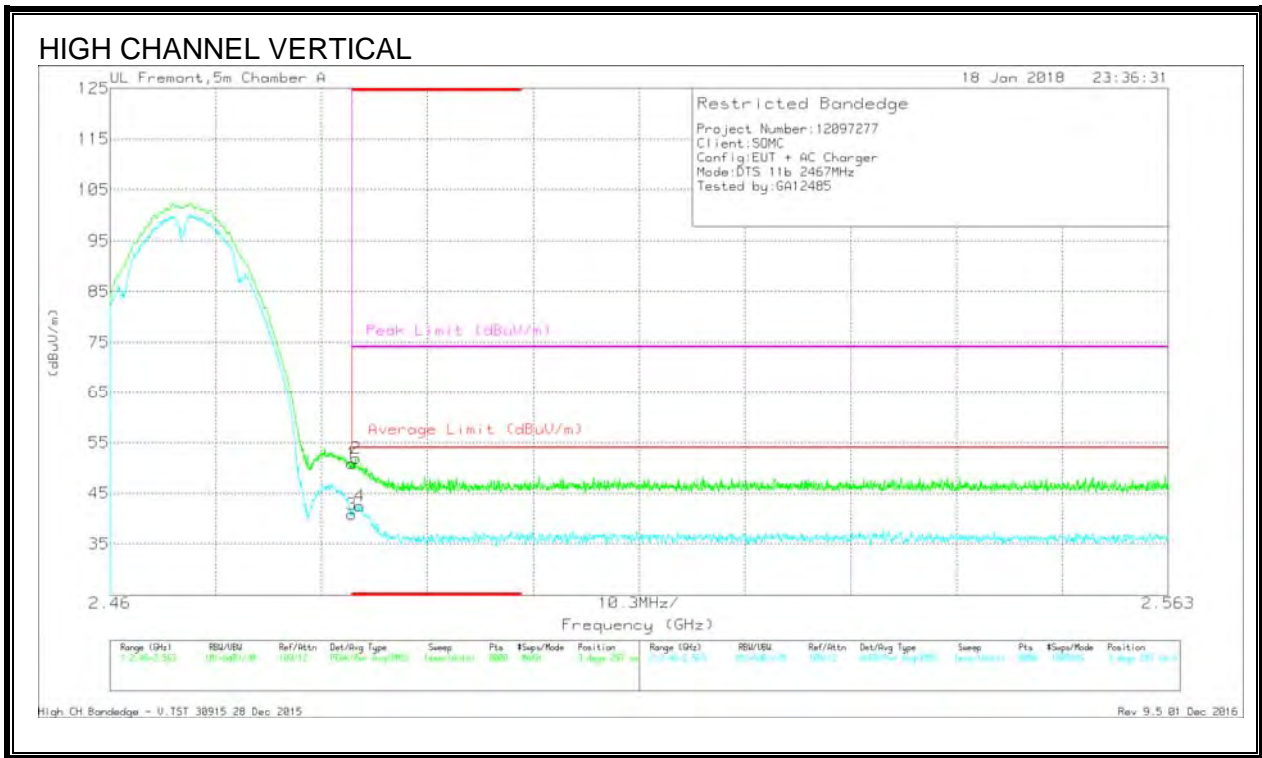
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.34	PK	32.3	-23.2	0	49.44	-	-	74	-24.56	286	234	H
2	* 2.484	41.08	PK	32.3	-23.2	0	50.18	-	-	74	-23.82	286	234	H
3	* 2.484	30.57	RMS	32.3	-23.2	0	39.67	54	-14.33	-	-	286	234	H
4	* 2.484	32.28	RMS	32.3	-23.2	0	41.38	54	-12.62	-	-	286	234	H

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

PK - Peak detector

RMS - RMS detection





Trace Markers

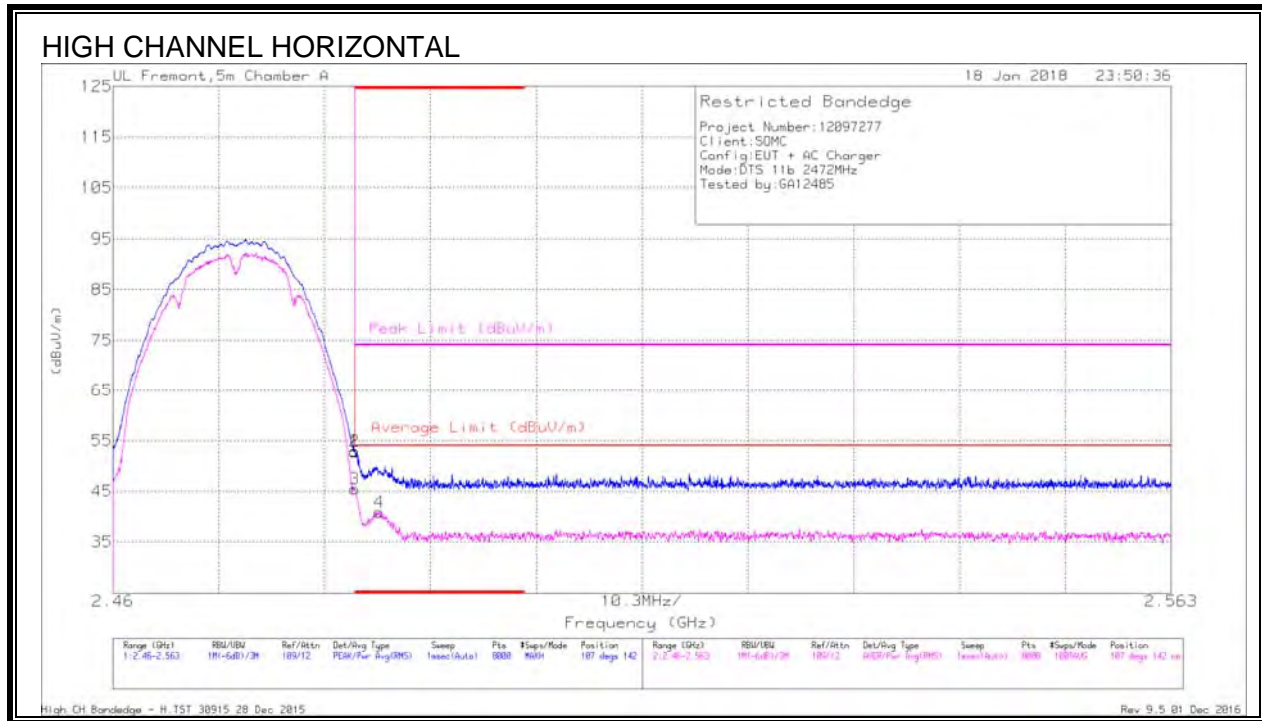
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Chl/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	41.8	Pk	32.3	-23.2	0	50.9	-	-	74	-23.1	3	297	V
2	* 2.484	42.76	Pk	32.3	-23.2	0	51.86	-	-	74	-22.14	3	297	V
3	* 2.484	31.75	RMS	32.3	-23.2	0	40.85	54	-13.15	-	-	3	297	V
4	* 2.484	33.4	RMS	32.3	-23.2	0	42.5	54	-11.5	-	-	3	297	V

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

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEGE (HIGH CHANNEL, CH 13)**



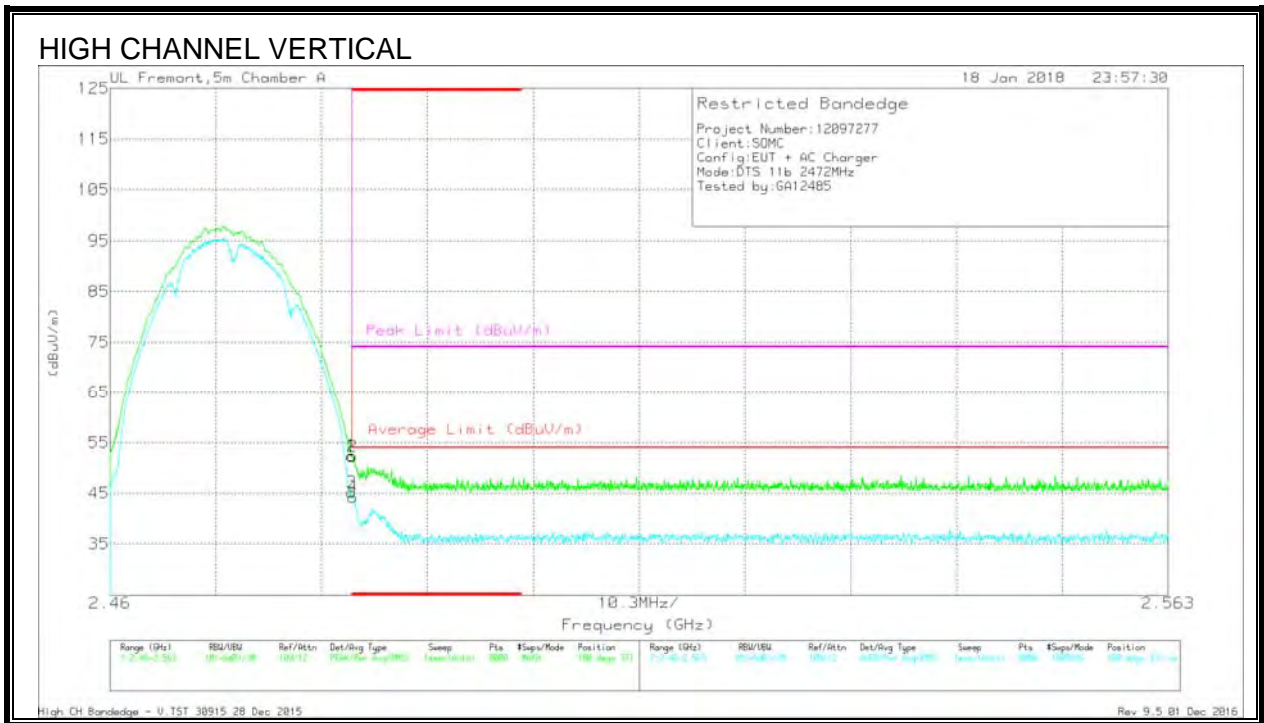
**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	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	43.73	PK	32.3	-23.2	0	52.83	-	-	74	-21.17	107	142	H
2	* 2.484	43.75	PK	32.3	-23.2	0	52.85	-	-	74	-21.15	107	142	H
3	* 2.484	36.38	RMS	32.3	-23.2	0	45.48	54	-8.52	-	-	107	142	H
4	* 2.486	31.81	RMS	32.3	-23.2	0	40.91	54	-13.09	-	-	107	142	H

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

PK - Peak detector

RMS - RMS detection



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Af T862 (dB/m)	Amp/Ch/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	43.28	Pk	32.3	-23.2	0	52.38	-	-	74	-21.62	180	371	V
2	* 2.484	43.17	Pk	32.3	-23.2	0	52.27	-	-	74	-21.73	180	371	V
3	* 2.484	36.1	RMS	32.3	-23.2	0	45.2	54	-8.8	-	-	180	371	V
4	* 2.484	35.07	RMS	32.3	-23.2	0	44.17	54	-9.83	-	-	180	371	V

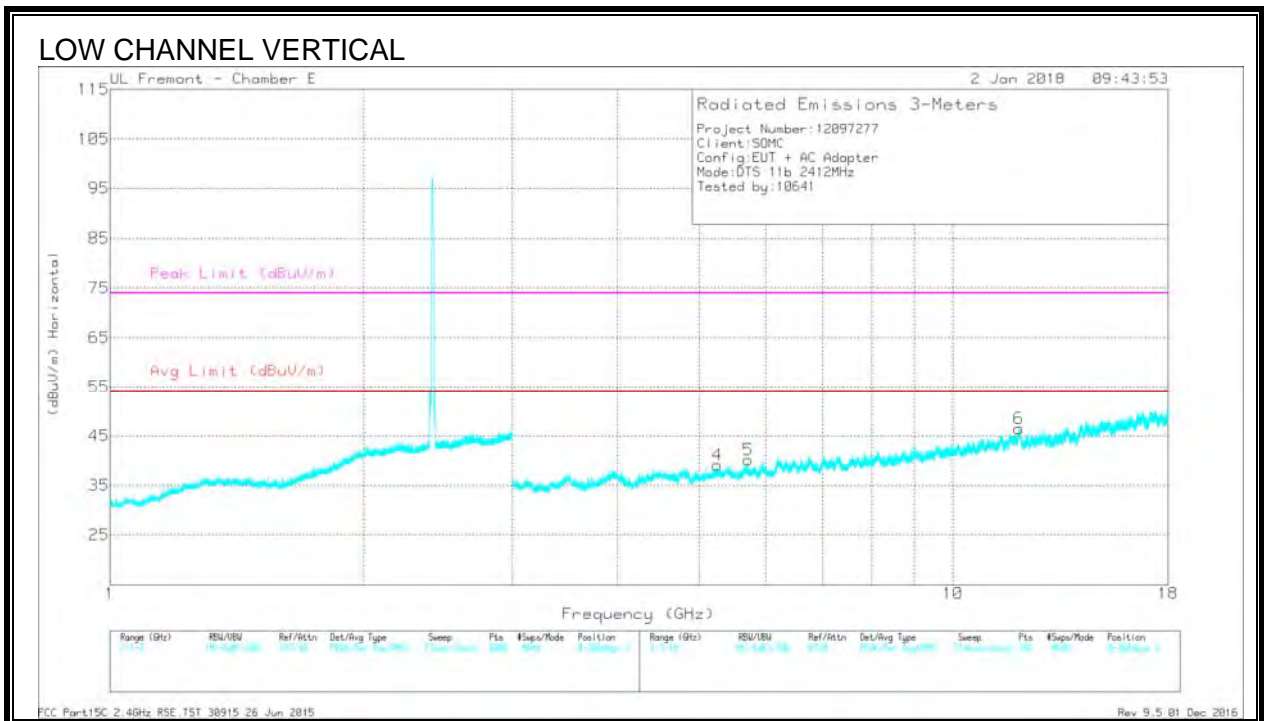
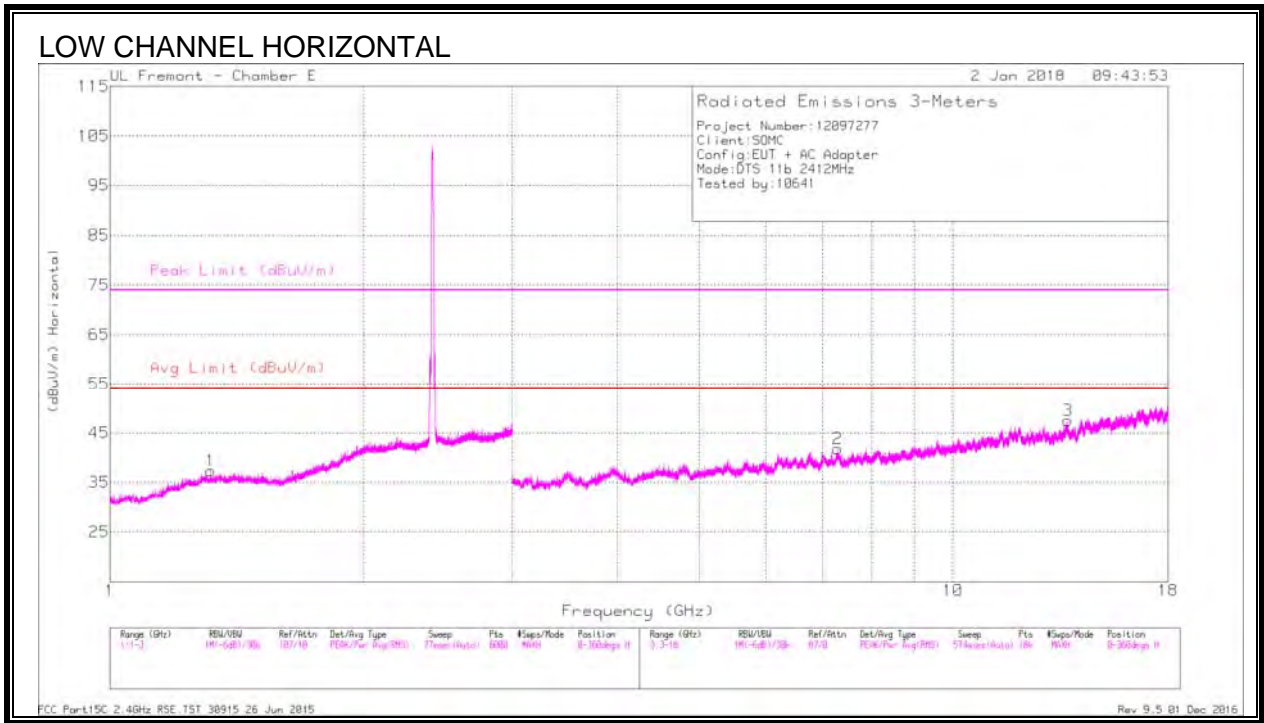
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection



**HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, CH 1)**



Radiated Emissions

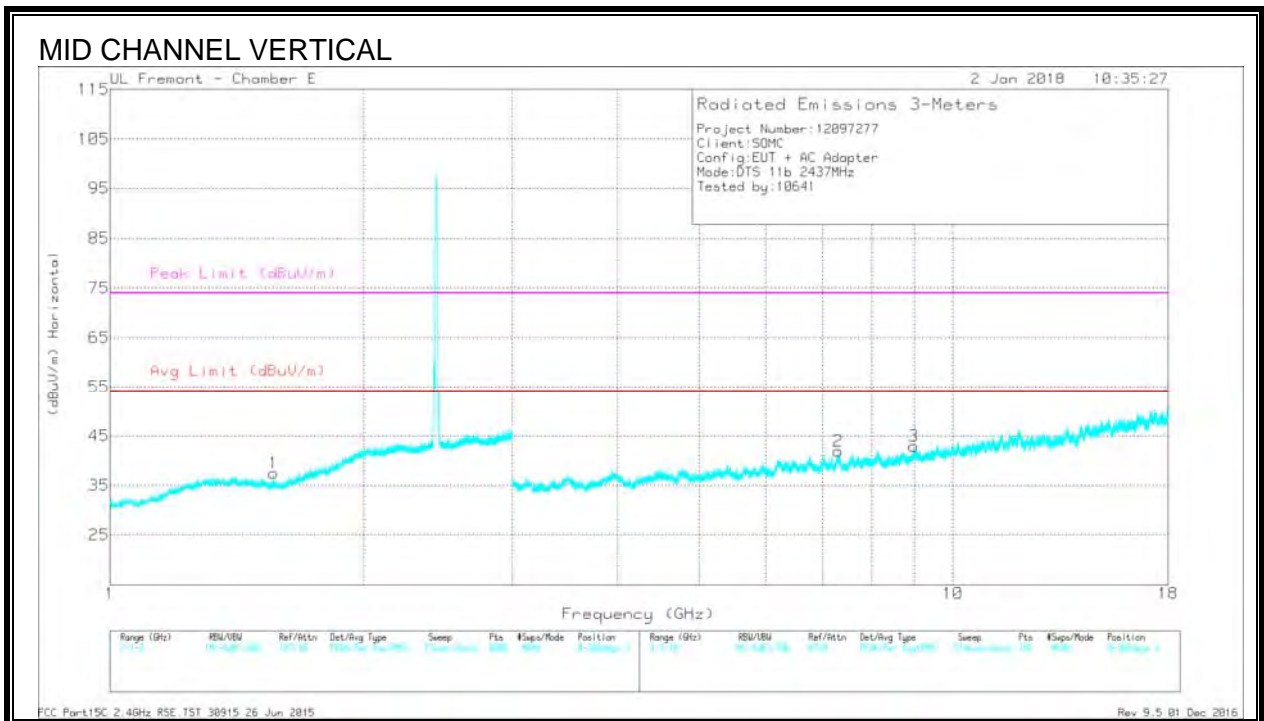
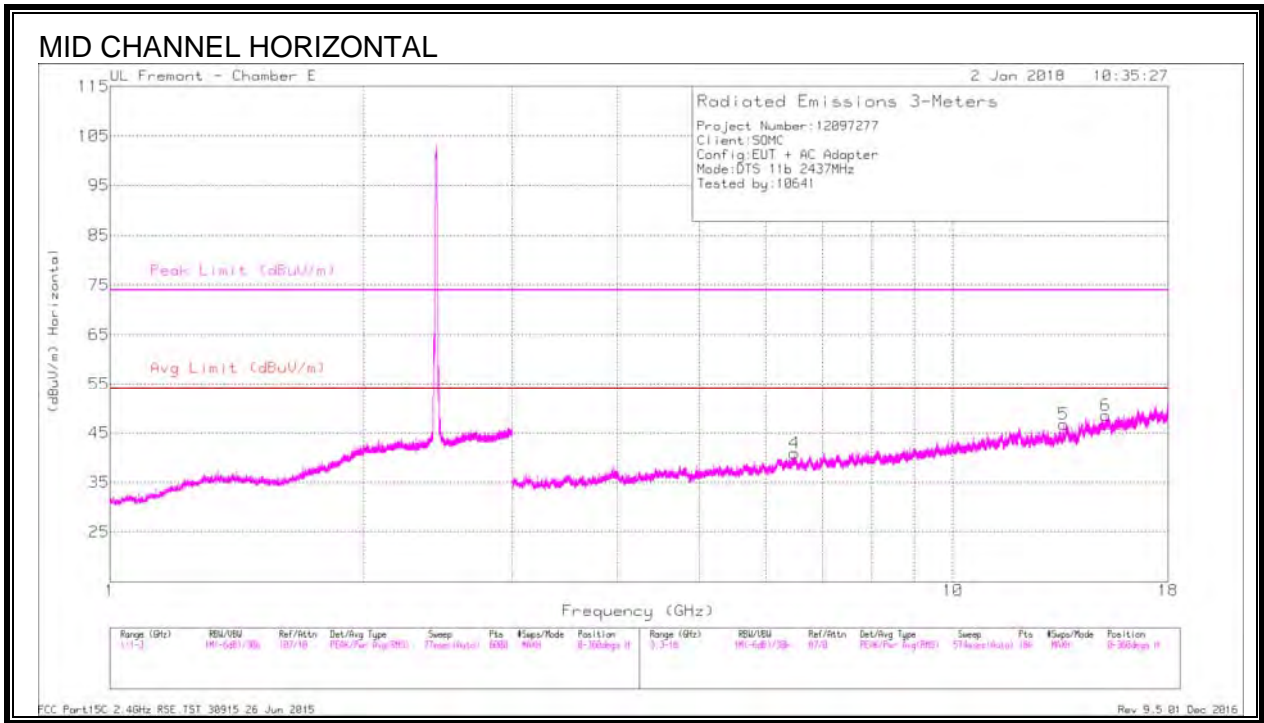
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.314	35.08	PK2	28.9	-21.5	42.48	-	-	74	-31.52	5	227	H
	* 1.316	23.23	MAv1	28.9	-21.5	30.63	54	-23.37	-	-	5	227	H
2	* 7.294	36.62	PK2	36	-25.5	47.12	-	-	74	-26.88	158	140	H
	* 7.295	25.13	MAv1	36	-25.5	35.63	54	-18.37	-	-	158	140	H
6	* 11.979	34.49	PK2	39.7	-22	52.19	-	-	74	-21.81	338	356	V
	* 11.978	22.77	MAv1	39.7	-22	40.47	54	-13.53	-	-	338	356	V
4	5.257	39.4	PK2	35	-29.2	45.2	-	-	-	-	91	301	V
5	5.712	38.8	PK2	35.1	-28.8	45.1	-	-	-	-	153	294	V
3	13.683	35.41	PK2	39.5	-22.9	52.01	-	-	-	-	257	132	H

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, CH 6)**



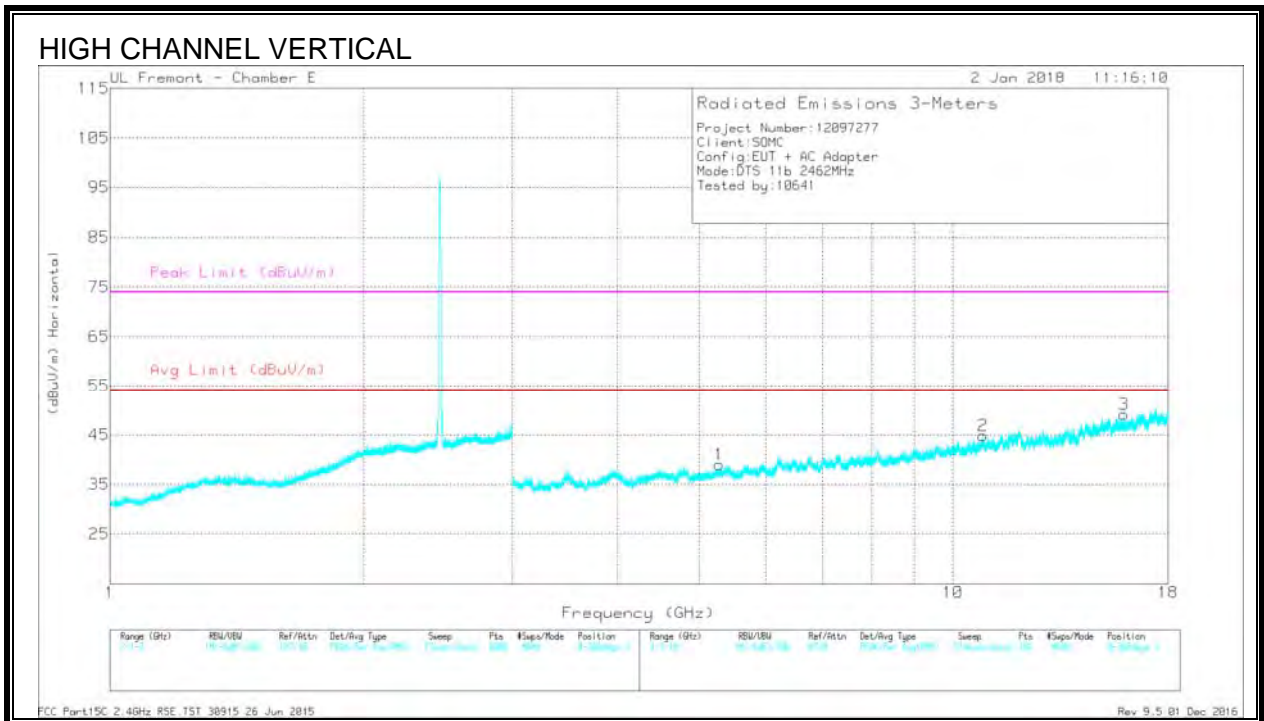
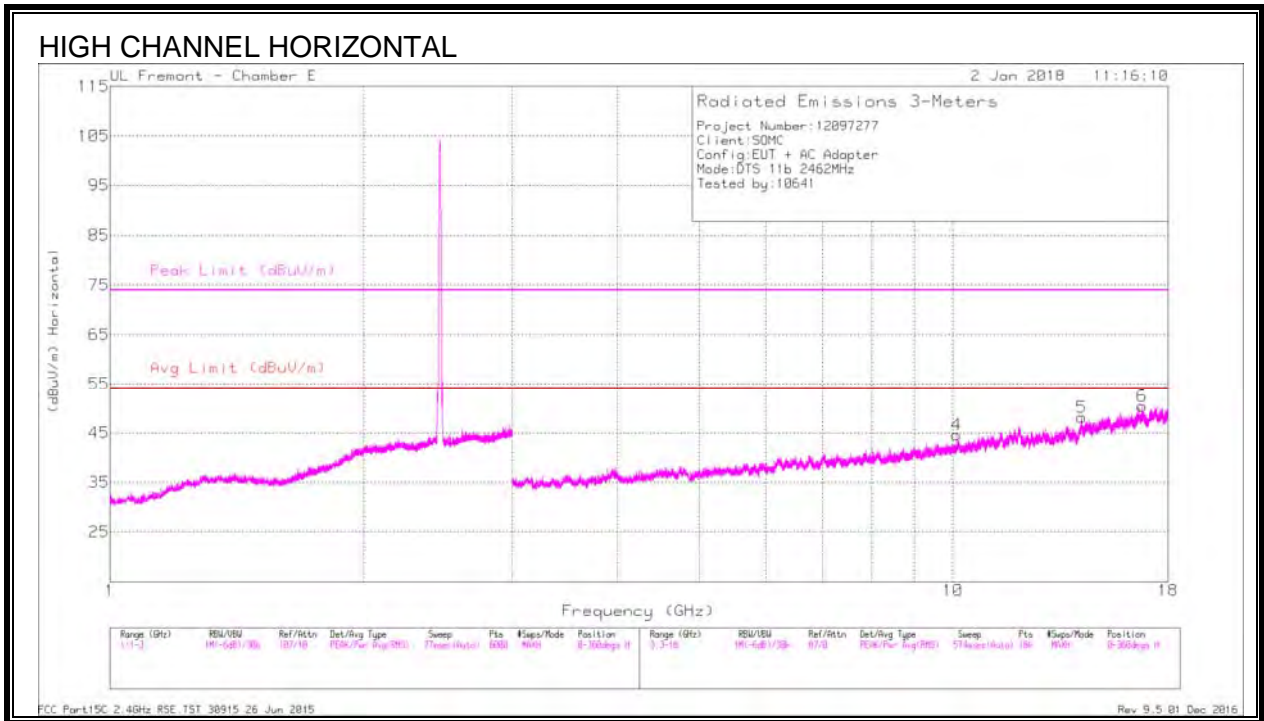
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.561	35.46	PK2	27.3	-20.7	42.06	-	-	74	-31.94	189	202	V
	* 1.565	23.41	MAv1	27.3	-20.6	30.11	54	-23.89	-	-	189	202	V
2	* 7.312	36.16	PK2	36	-25.6	46.56	-	-	74	-27.44	201	379	V
	* 7.312	25.13	MAv1	36	-25.6	35.53	54	-18.47	-	-	201	379	V
4	6.487	37.46	PK2	36.1	-27.2	46.36	-	-	-	-	93	350	H
3	8.98	35.46	PK2	36.9	-24.5	47.86	-	-	-	-	118	184	V
5	13.52	35.8	PK2	39.5	-23.5	51.8	-	-	-	-	143	331	H
6	15.179	34.66	PK2	41.4	-22.7	53.36	-	-	-	-	274	116	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK2 - KDB558074 Method: Maximum Peak  
 MAv1 - KDB558074 Option 1 Maximum RMS Average



**HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, CH 11)**



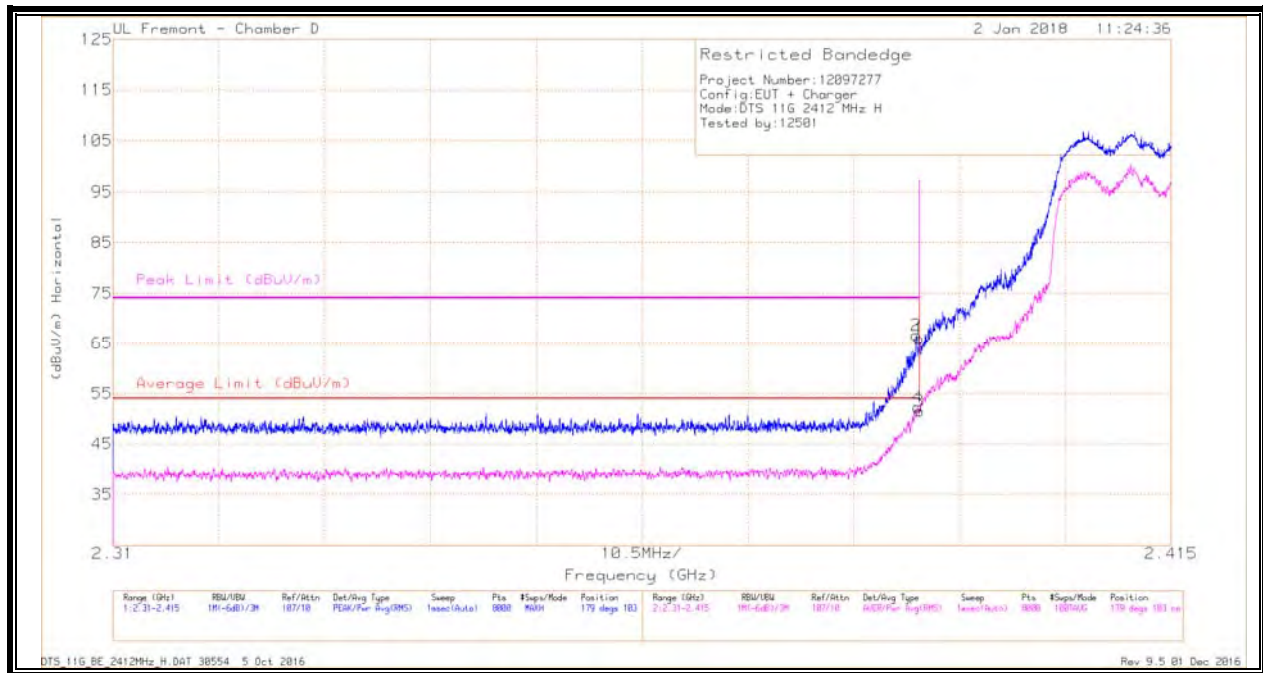
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 10.859	34.37	PK2	38.2	-22.2	50.37	-	-	74	-23.63	360	317	V
	* 10.859	22.54	MAv1	38.2	-22.2	38.54	54	-15.46	-	-	360	317	V
3	* 15.953	34.83	PK2	41.6	-22.4	54.03	-	-	74	-19.97	197	309	V
	* 15.951	23.48	MAv1	41.6	-22.4	42.68	54	-11.32	-	-	197	309	V
1	5.283	38.81	PK2	35	-29	44.81	-	-	-	-	309	118	V
4	10.099	33.86	PK2	37.6	-22.8	48.66	-	-	-	-	45	117	H
5	14.22	35.74	PK2	40.6	-23.1	53.24	-	-	-	-	48	119	H
6	16.78	34.73	PK2	41.8	-21.3	55.23	-	-	-	-	293	303	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK2 - KDB558074 Method: Maximum Peak  
 MAv1 - KDB558074 Option 1 Maximum RMS Average

## 10.2.2 11g MIMO MODE IN THE 2.4GHz BAND

### AUTHORIZED BANDEDGE (LOW CHANNEL, CH 1)



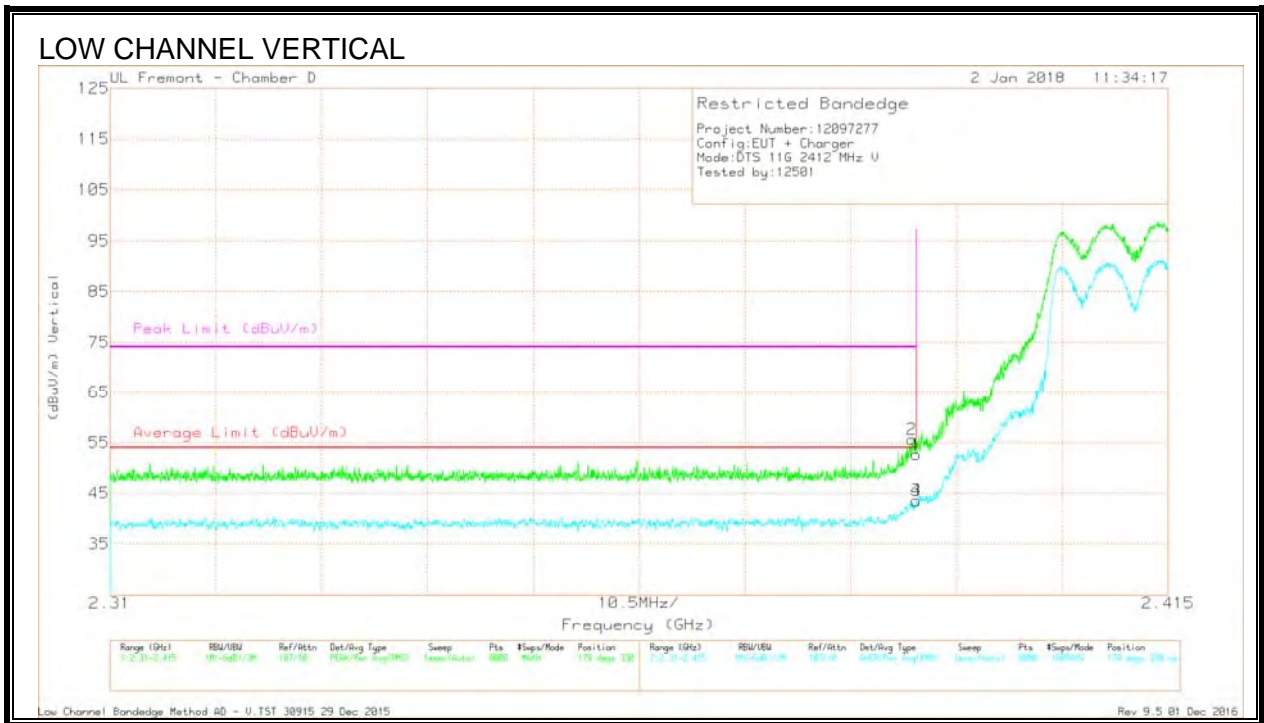
### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	54.28	Pk	32.1	-20.5	65.88	-	-	74	-8.12	179	103	H
2	* 2.39	55.03	Pk	32.1	-20.5	66.63	-	-	74	-7.37	179	103	H
3	* 2.39	39.95	RMS	32.1	-20.5	51.55	54	-2.45	-	-	179	103	H
4	* 2.39	40.71	RMS	32.1	-20.5	52.31	54	-1.69	-	-	179	103	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	41.06	Pk	32.1	-20.5	52.66	-	-	74	-21.34	179	330	V
2	* 2.39	44	Pk	32.1	-20.5	55.6	-	-	74	-18.4	179	330	V
3	* 2.39	31.93	RMS	32.1	-20.5	43.53	54	-10.47	-	-	179	330	V
4	* 2.39	31.93	RMS	32.1	-20.5	43.53	54	-10.47	-	-	179	330	V

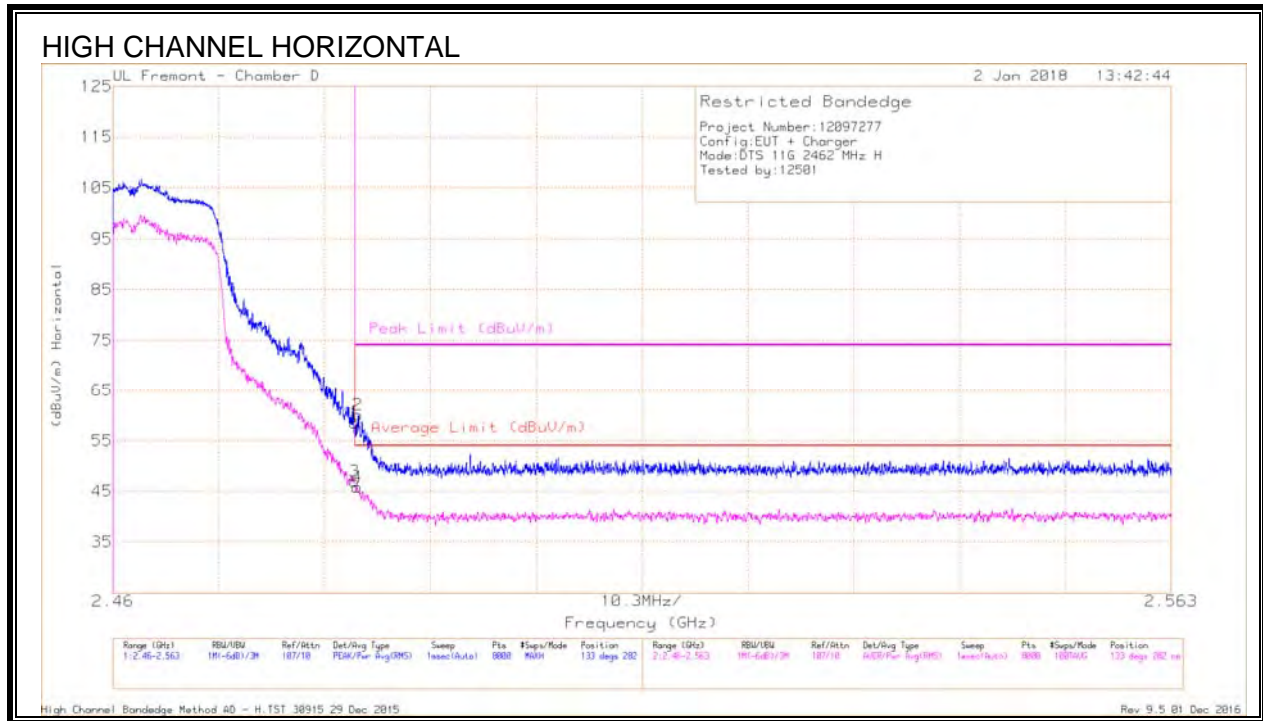
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection



**AUTHORIZED BANDEGE (HIGH CHANNEL, CH 11)**



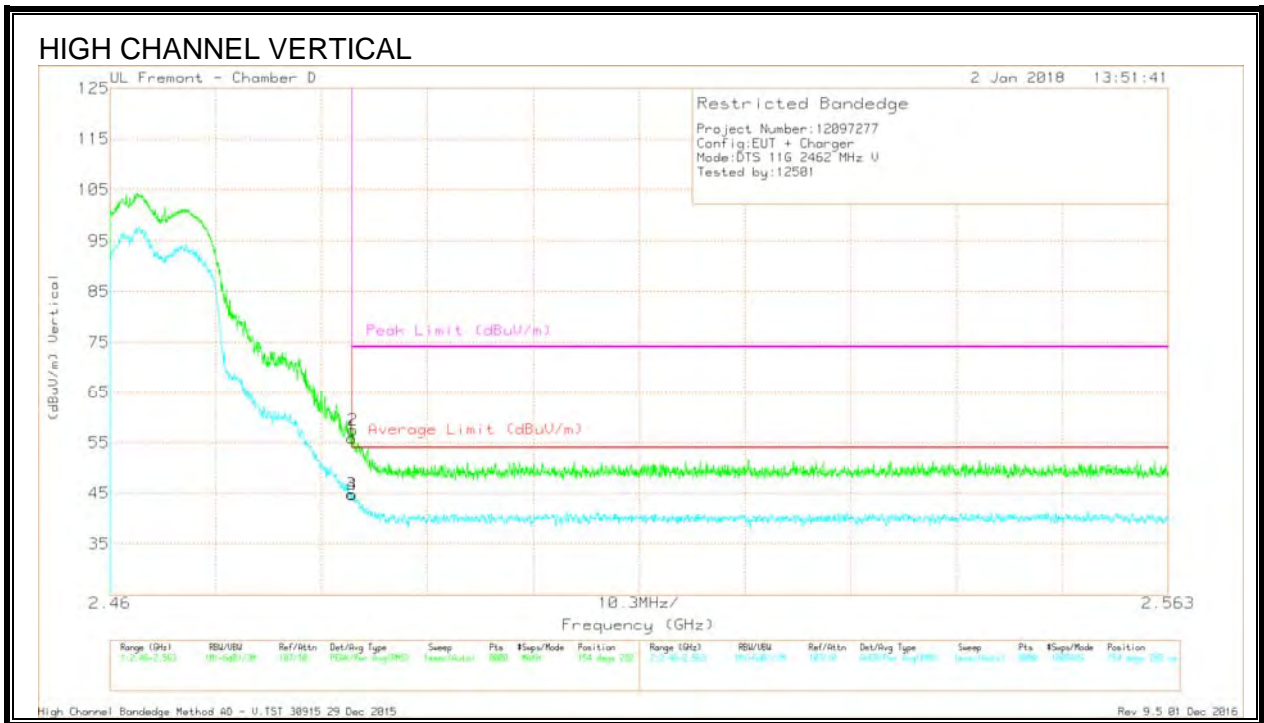
**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cb/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	46.52	Pk	32.5	-20.5	58.52	-	-	74	-15.48	133	282	H
2	* 2.484	48.05	Pk	32.5	-20.5	60.05	-	-	74	-13.95	133	282	H
3	* 2.484	34.92	RMS	32.5	-20.5	46.92	54	-7.08	-	-	133	282	H
4	* 2.484	33.8	RMS	32.5	-20.5	45.8	54	-8.2	-	-	133	282	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

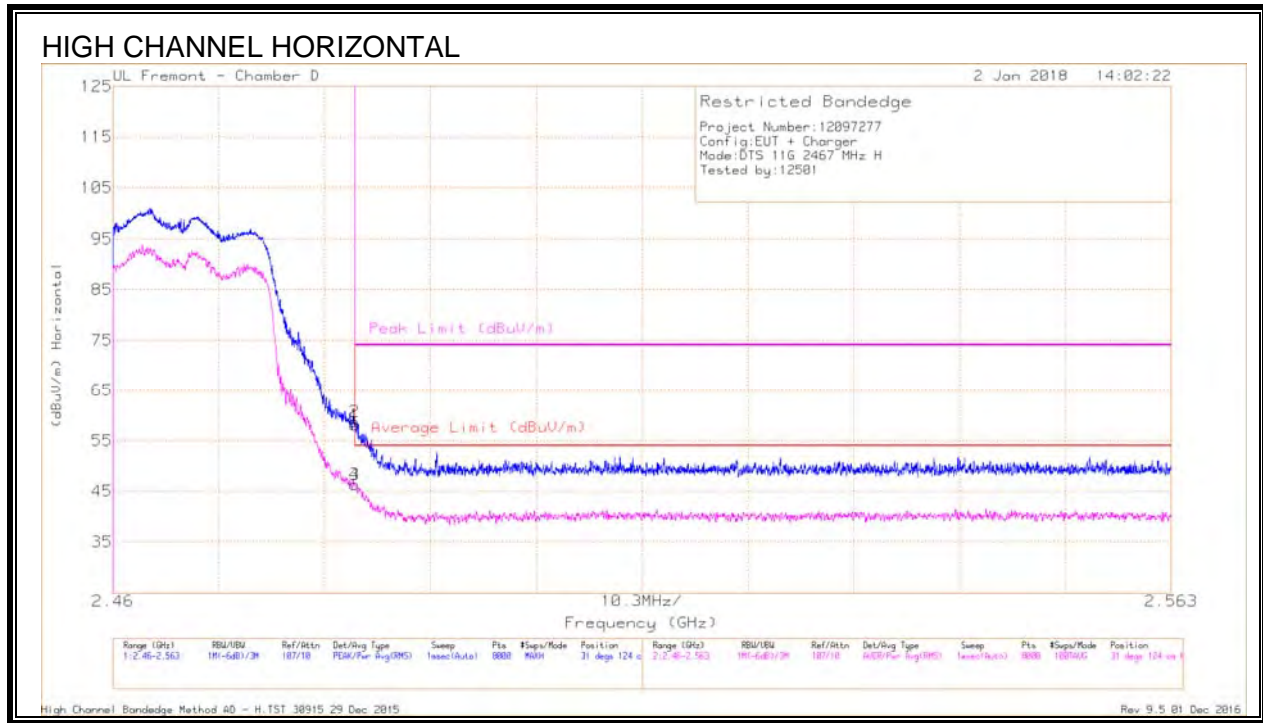
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cb/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	43.94	Pk	32.5	-20.5	55.94	-	-	74	-18.06	154	282	V
2	* 2.484	45.46	Pk	32.5	-20.5	57.46	-	-	74	-16.54	154	282	V
3	* 2.484	32.85	RMS	32.5	-20.5	44.85	54	-9.15	-	-	154	282	V
4	* 2.484	32.72	RMS	32.5	-20.5	44.72	54	-9.28	-	-	154	282	V

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

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEGE (HIGH CHANNEL, CH 12)**



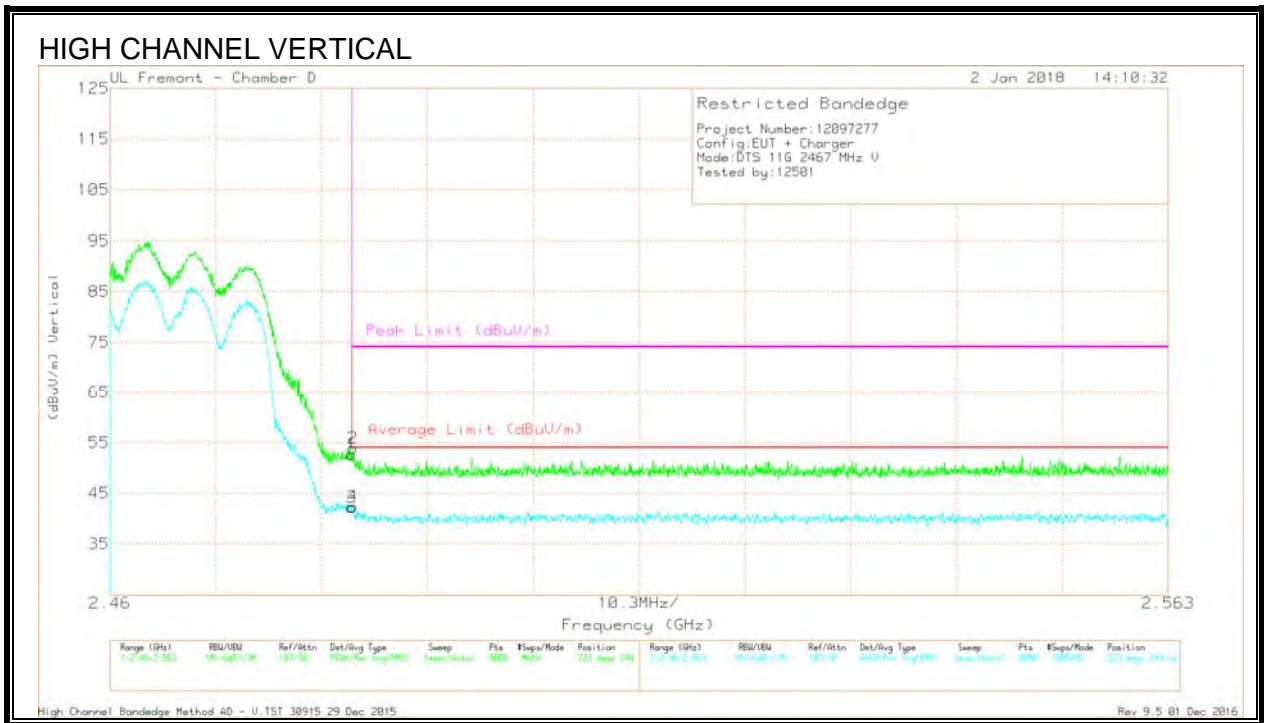
**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cb/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	46.1	Pk	32.5	-20.5	58.1	-	-	74	-15.9	31	124	H
2	* 2.484	46.71	Pk	32.5	-20.5	58.71	-	-	74	-15.29	31	124	H
3	* 2.484	34.34	RMS	32.5	-20.5	46.34	54	-7.66	-	-	31	124	H
4	* 2.484	34.36	RMS	32.5	-20.5	46.36	54	-7.64	-	-	31	124	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cb/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.69	Pk	32.5	-20.5	52.69	-	-	74	-21.31	223	244	V
2	* 2.484	41.91	Pk	32.5	-20.5	53.91	-	-	74	-20.09	223	244	V
3	* 2.484	30.21	RMS	32.5	-20.5	42.21	54	-11.79	-	-	223	244	V
4	* 2.484	30.4	RMS	32.5	-20.5	42.4	54	-11.6	-	-	223	244	V

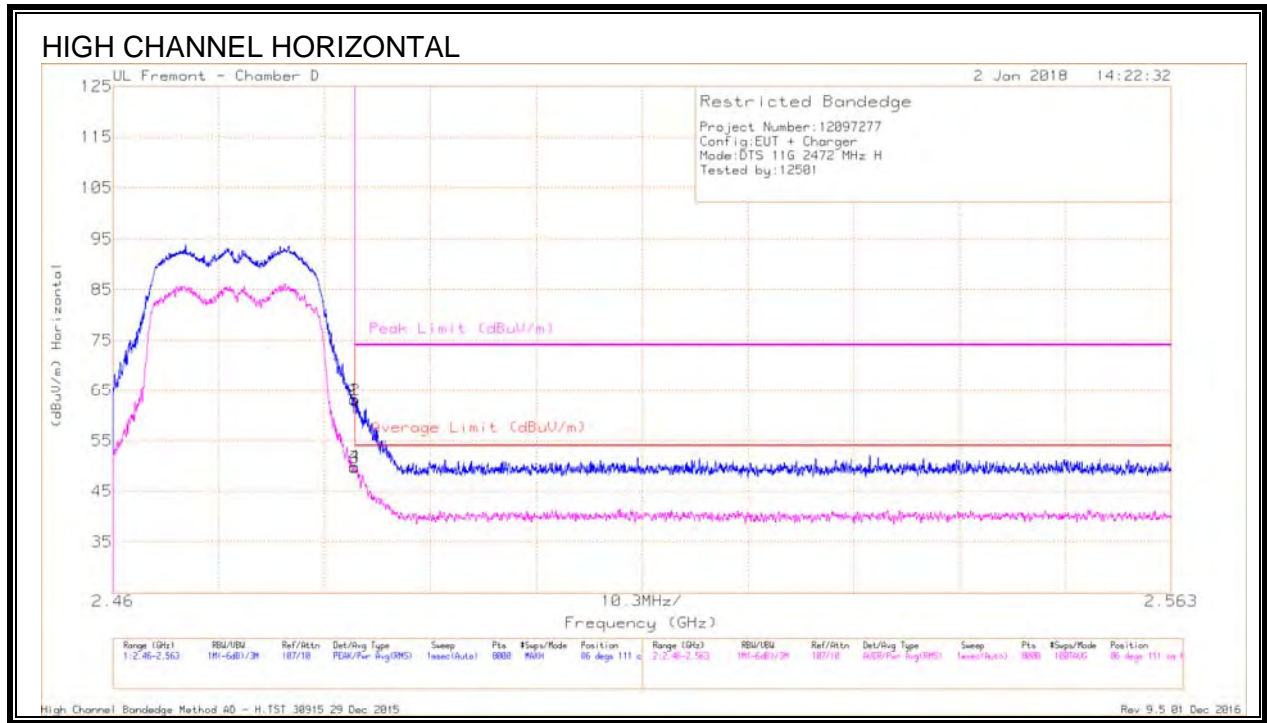
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection



**AUTHORIZED BANDEGE (HIGH CHANNEL, CH 13)**



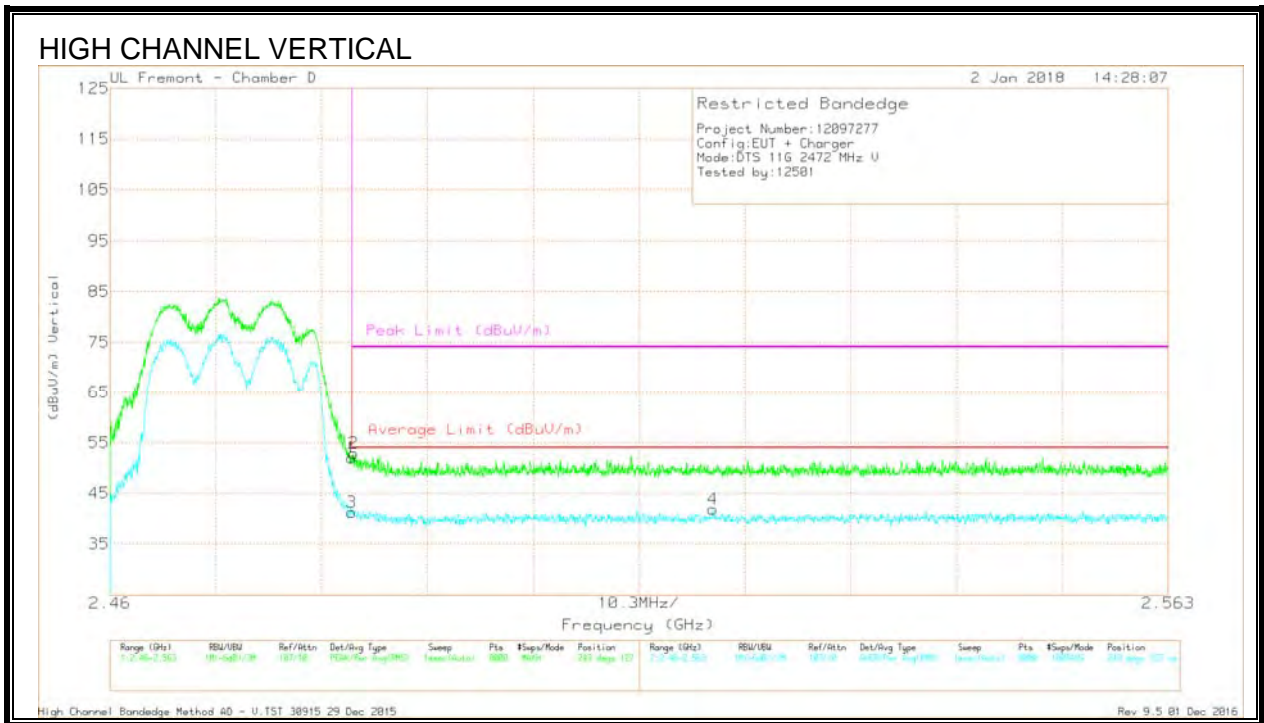
**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	51.19	Pk	32.5	-20.5	63.19	-	-	74	-10.81	86	111	H
2	* 2.484	51.11	Pk	32.5	-20.5	63.11	-	-	74	-10.89	86	111	H
3	* 2.484	37.65	RMS	32.5	-20.5	49.65	54	-4.35	-	-	86	111	H
4	* 2.484	37.92	RMS	32.5	-20.5	49.92	54	-4.08	-	-	86	111	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

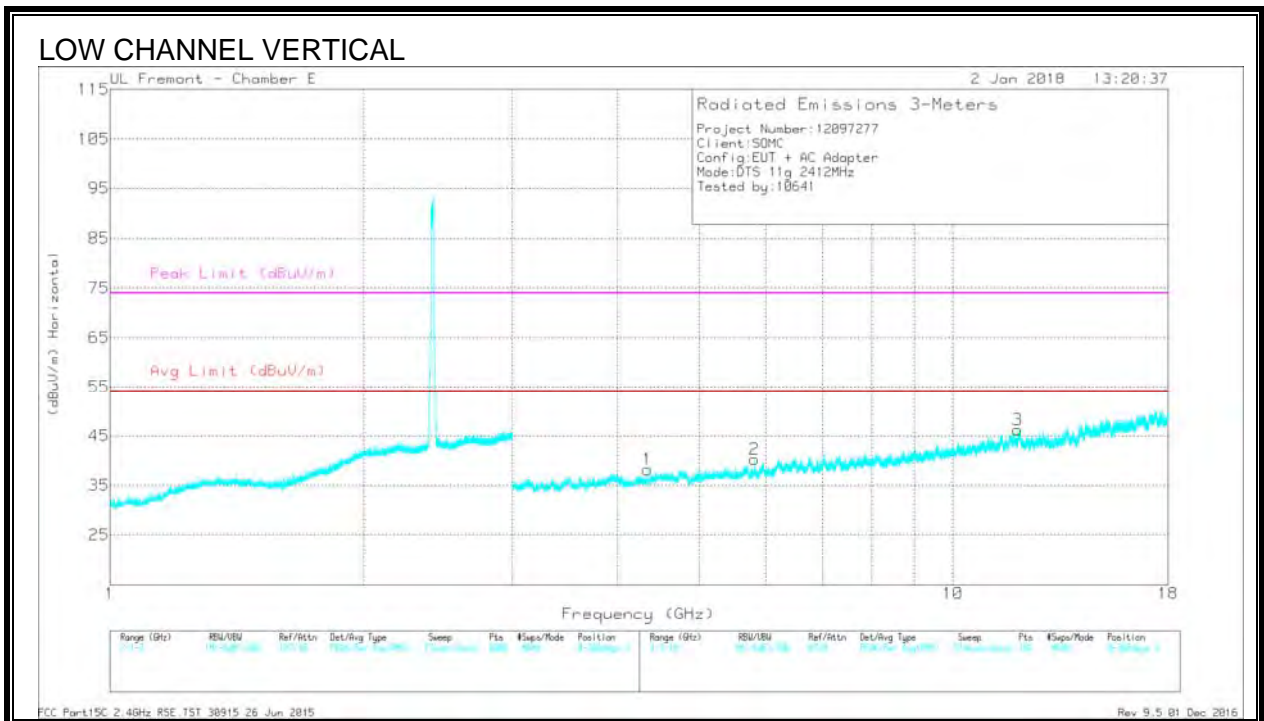
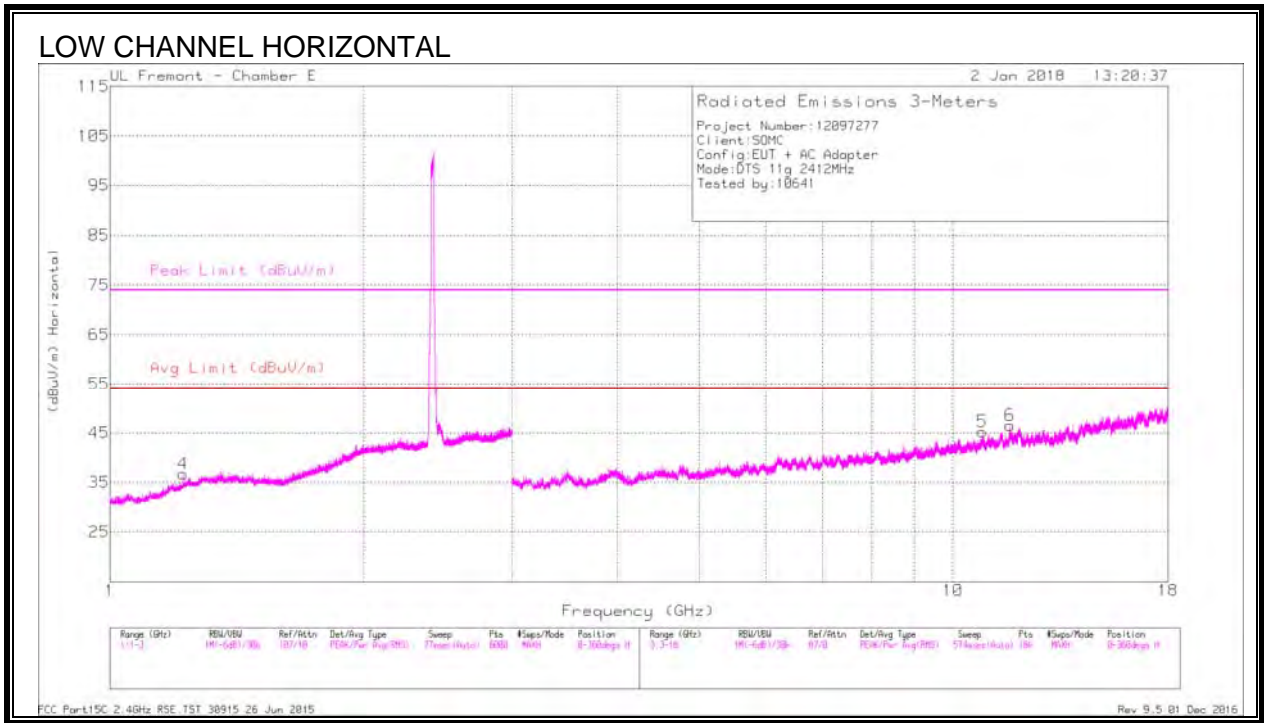
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cb/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.07	Pk	32.5	-20.5	52.07	-	-	74	-21.93	243	127	V
2	* 2.484	40.86	Pk	32.5	-20.5	52.86	-	-	74	-21.14	243	127	V
3	* 2.484	29.24	RMS	32.5	-20.5	41.24	54	-12.76	-	-	243	127	V
4	2.519	29.65	RMS	32.6	-20.4	41.85	54	-12.15	-	-	243	127	V

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

Pk - Peak detector

RMS - RMS detection

**HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, CH 1)**



Radiated Emissions

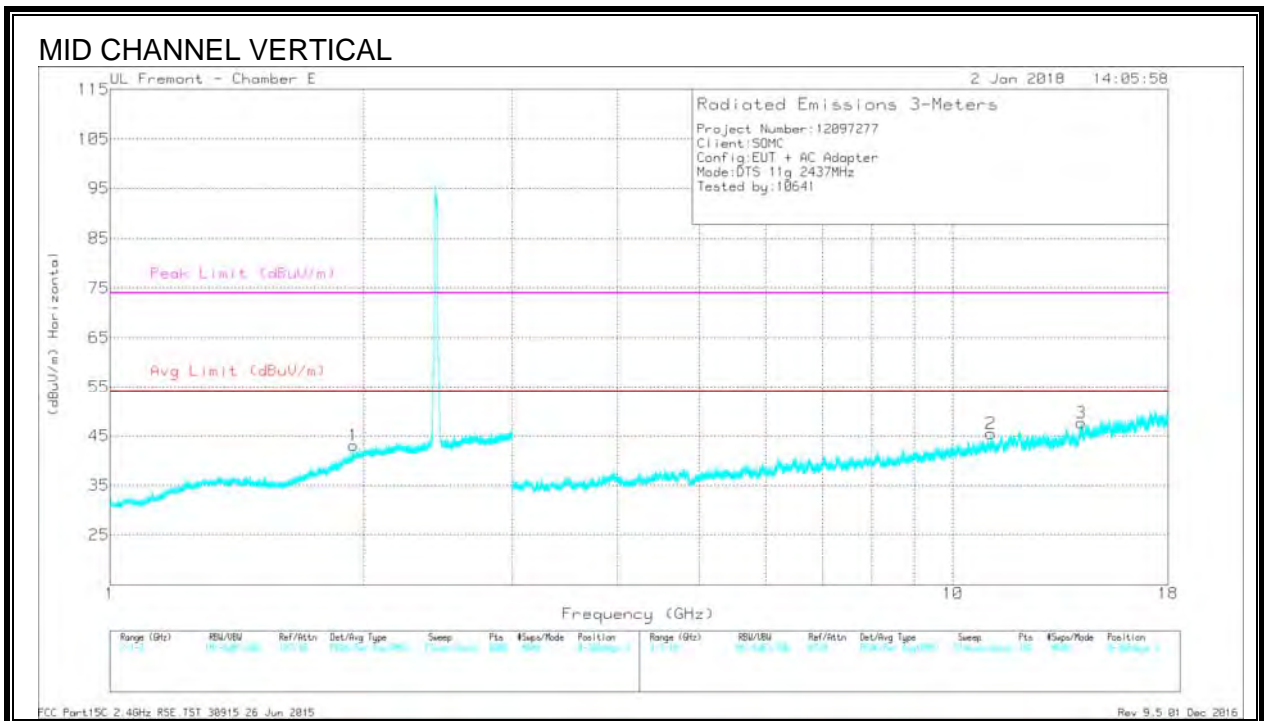
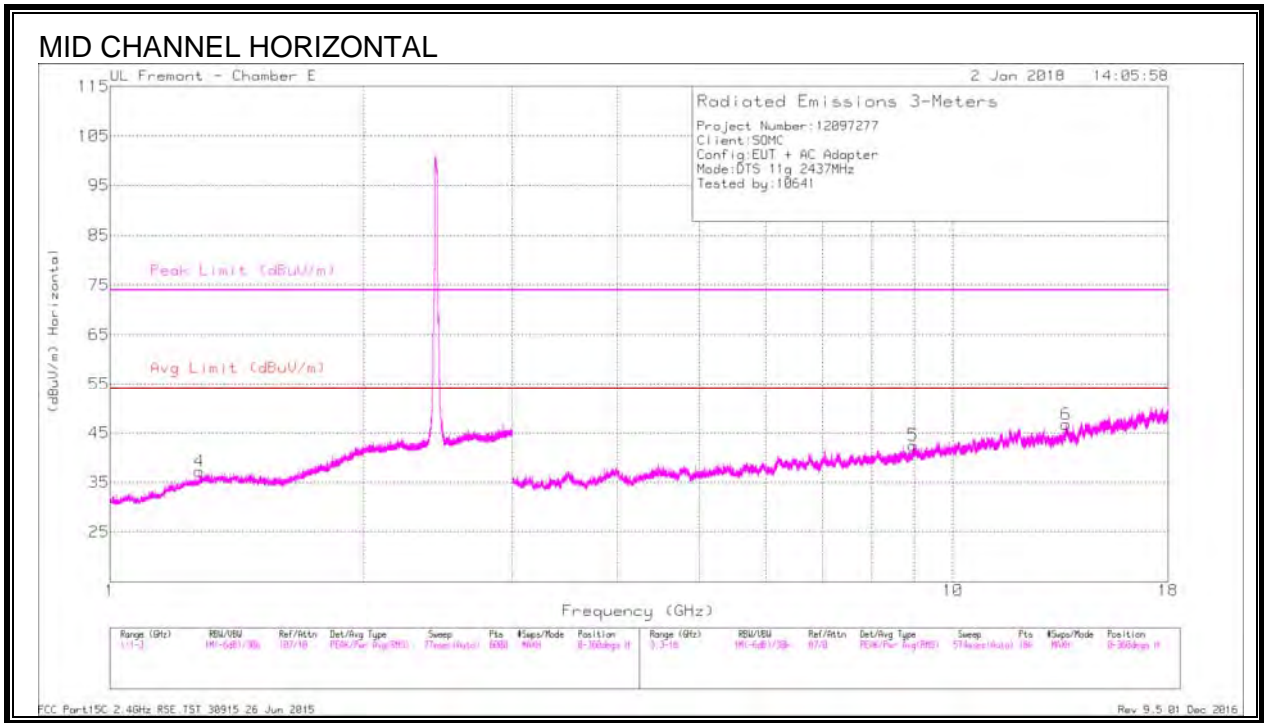
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 1.222	35.52	PK2	28.2	-22.1	41.62	-	-	74	-32.38	50	248	H
	* 1.221	23.5	MAv1	28.2	-22.1	29.6	54	-24.4	-	-	50	248	H
5	* 10.832	34.65	PK2	38.1	-22.2	50.55	-	-	74	-23.45	8	304	H
	* 10.834	22.74	MAv1	38.1	-22.2	38.64	54	-15.36	-	-	8	304	H
6	* 11.688	34.2	PK2	39.1	-21.9	51.4	-	-	74	-22.6	194	245	H
	* 11.691	22.64	MAv1	39.1	-21.9	39.84	54	-14.16	-	-	194	245	H
1	* 4.339	39.76	PK2	34	-30.2	43.56	-	-	74	-30.44	355	229	V
	* 4.34	28.41	MAv1	34	-30.1	32.31	54	-21.69	-	-	355	229	V
3	* 11.94	34.35	PK2	39.5	-22.3	51.55	-	-	74	-22.45	19	328	V
	* 11.94	22.8	MAv1	39.5	-22.3	40	54	-14	-	-	19	328	V
2	5.815	38.61	PK2	35.2	-29	44.81	-	-	-	-	360	157	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, CH 6)**



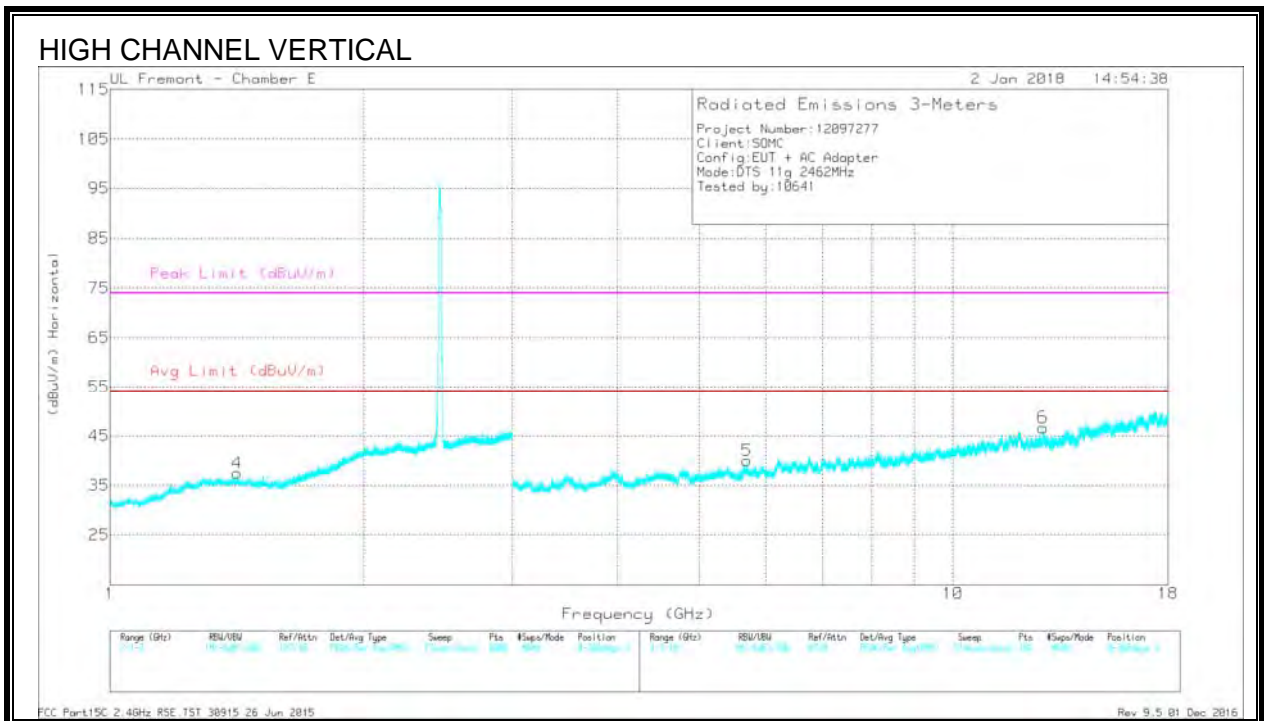
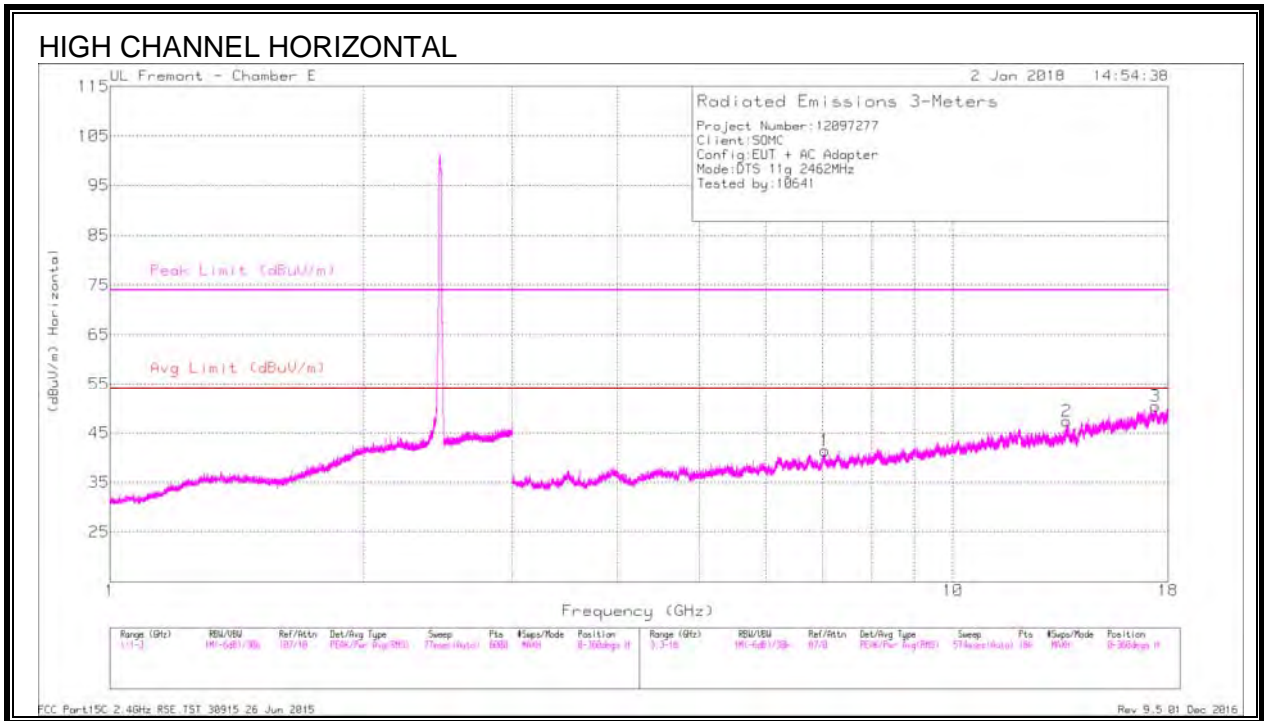


Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 1.275	35.27	PK2	28.7	-21.7	42.27	-	-	74	-31.73	102	219	H
	* 1.276	23.38	MAv1	28.7	-21.7	30.38	54	-23.62	-	-	102	219	H
2	* 11.092	34.66	PK2	38.5	-23.2	49.96	-	-	74	-24.04	33	334	V
	* 11.092	23.33	MAv1	38.5	-23.2	38.63	54	-15.37	-	-	33	334	V
1	1.944	35.55	PK2	31.4	-19.7	47.25	-	-	-	-	210	357	V
5	8.966	35.54	PK2	36.9	-24.8	47.64	-	-	-	-	126	381	H
6	13.614	36.29	PK2	39.6	-23.5	52.39	-	-	-	-	240	400	H
3	14.197	35.8	PK2	40.8	-23.6	53	-	-	-	-	214	273	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK2 - KDB558074 Method: Maximum Peak  
 MAv1 - KDB558074 Option 1 Maximum RMS Average

**HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, CH 11)**



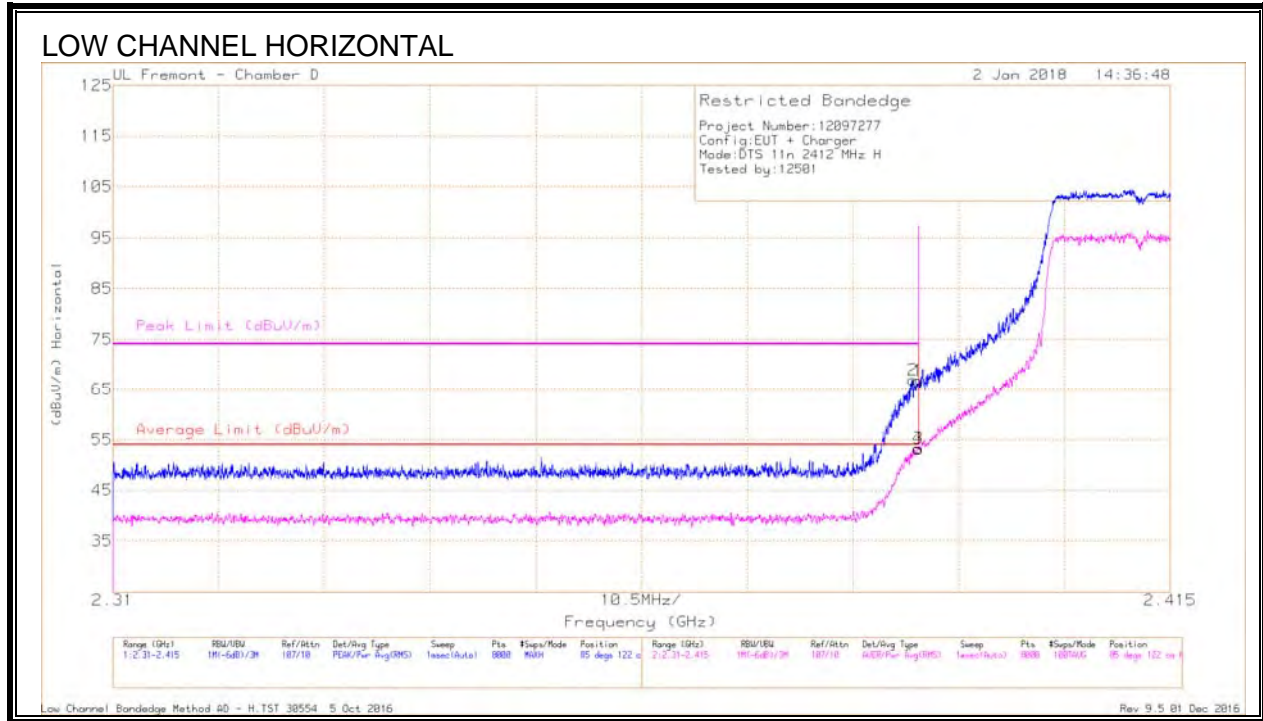
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 1.415	36.3	PK2	28.6	-21.2	43.7	-	-	74	-30.3	264	379	V
	* 1.413	23.48	MAv1	28.6	-21.2	30.88	54	-23.12	-	-	264	379	V
5	5.693	38.85	PK2	35.1	-28.5	45.45	-	-	-	-	199	362	V
1	7.046	36.74	PK2	36.1	-26.3	46.54	-	-	-	-	50	117	H
6	12.791	35.2	PK2	39.9	-23.4	51.7	-	-	-	-	7	129	V
2	13.641	36.71	PK2	39.6	-22.9	53.41	-	-	-	-	120	115	H
3	17.382	33.88	PK2	41.6	-19.7	55.78	-	-	-	-	0	173	H

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK2 - KDB558074 Method: Maximum Peak  
 MAv1 - KDB558074 Option 1 Maximum RMS Average

### 10.2.3 11n HT20 MIMO MODE IN THE 2.4GHz BAND

#### AUTHORIZED BANDEDGE (LOW CHANNEL, CH 1)



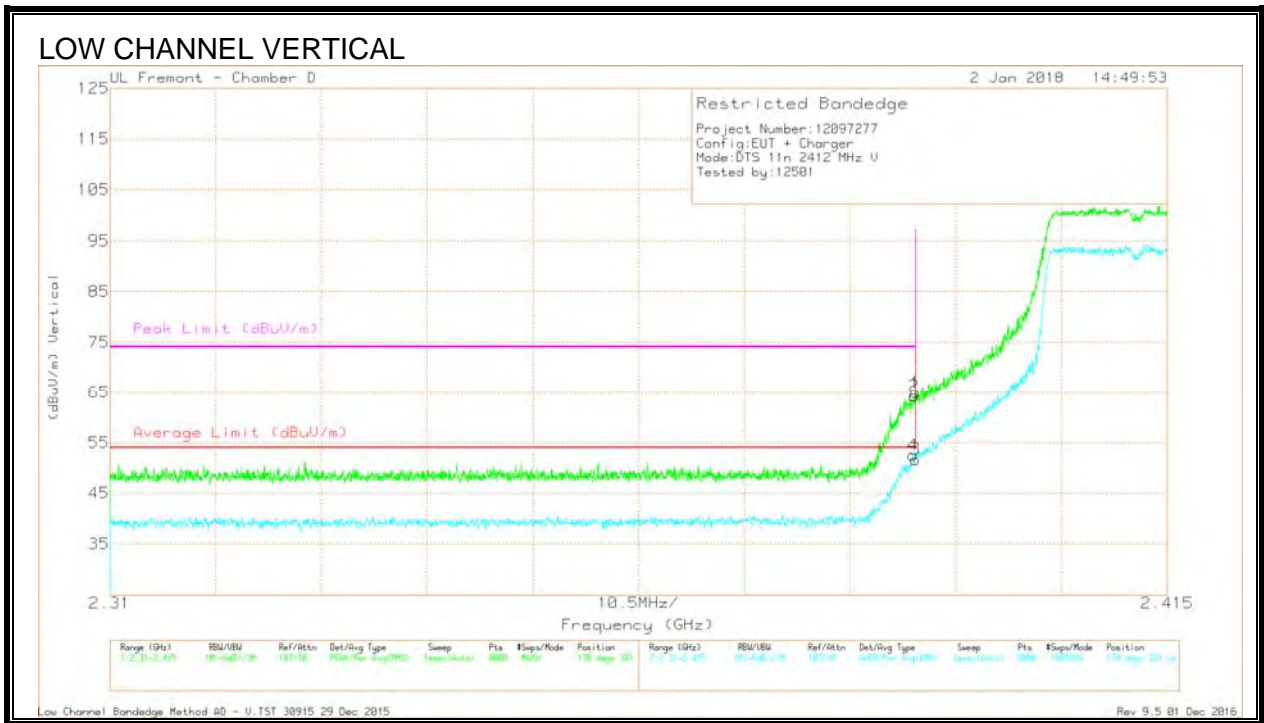
#### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	55.26	Pk	32.1	-20.5	0	66.86	-	-	74	-7.14	85	122	H
2	* 2.389	55.36	Pk	32.1	-20.5	0	66.96	-	-	74	-7.04	85	122	H
3	* 2.39	41.61	RMS	32.1	-20.5	.13	53.34	54	-66	-	-	85	122	H
4	* 2.39	41.66	RMS	32.1	-20.5	.13	53.39	54	-61	-	-	85	122	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	53.34	Pk	32.1	-20.5	0	64.94	-	-	74	-9.06	178	391	V
2	* 2.39	52.71	Pk	32.1	-20.5	0	64.31	-	-	74	-9.69	178	391	V
3	* 2.39	40.12	RMS	32.1	-20.5	.13	51.85	54	-2.15	-	-	178	391	V
4	* 2.39	40.88	RMS	32.1	-20.5	.13	52.61	54	-1.39	-	-	178	391	V

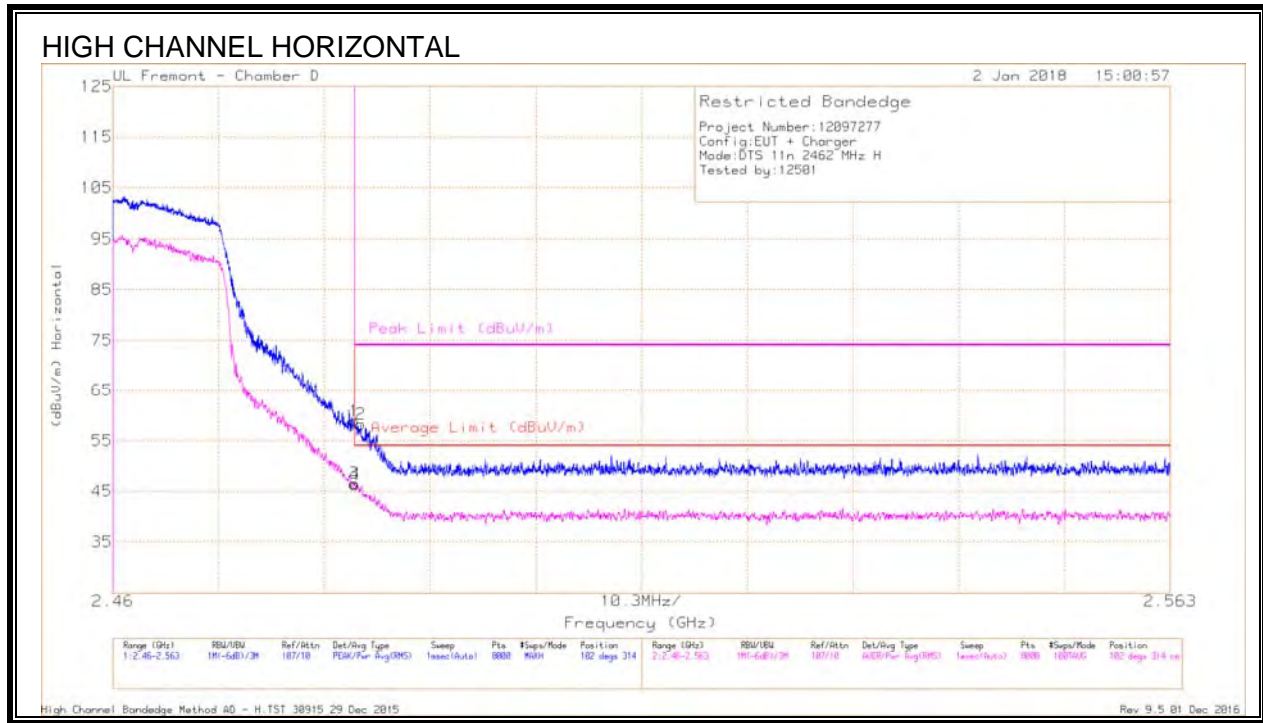
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection



**AUTHORIZED BANDEGE (HIGH CHANNEL, CH 11)**



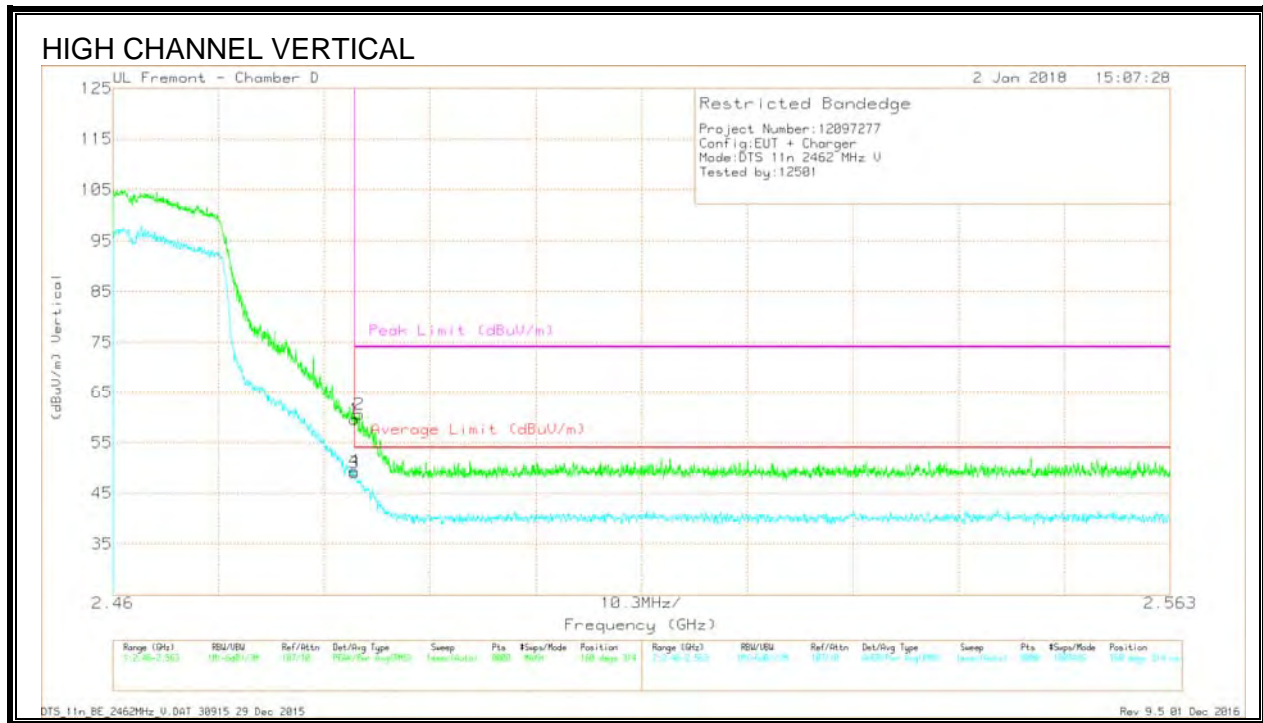
**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cb1/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	46.81	Pk	32.5	-20.5	0	58.81	-	-	74	-15.19	102	314	H
2	* 2.484	46.21	Pk	32.5	-20.5	0	58.21	-	-	74	-15.79	102	314	H
3	* 2.484	34.41	RMS	32.5	-20.5	.13	46.54	54	-7.46	-	-	102	314	H
4	* 2.484	34.22	RMS	32.5	-20.5	.13	46.35	54	-7.65	-	-	102	314	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

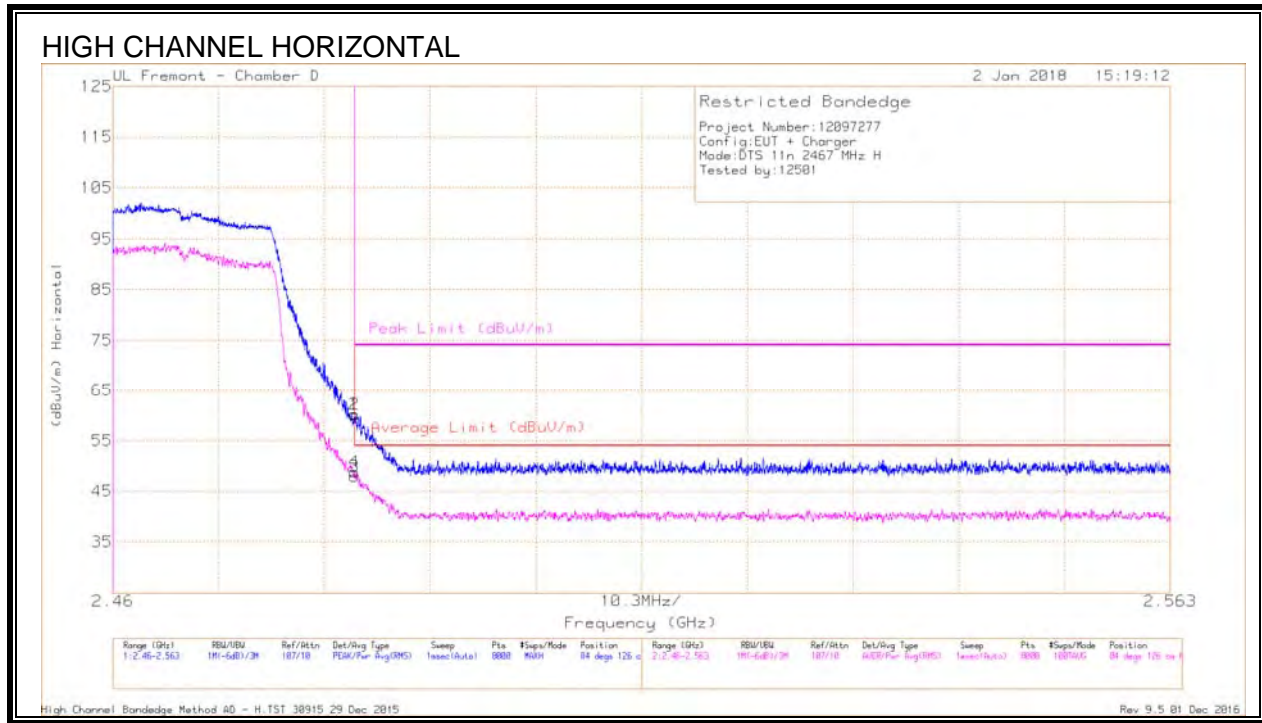
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	47.65	Pk	32.5	-20.5	0	59.65	-	-	74	-14.35	160	314	V
2	* 2.484	48.55	Pk	32.5	-20.5	0	60.55	-	-	74	-13.45	160	314	V
3	* 2.484	36.94	RMS	32.5	-20.5	.13	49.07	54	-4.93	-	-	160	314	V
4	* 2.484	37.25	RMS	32.5	-20.5	.13	49.38	54	-4.62	-	-	160	314	V

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

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEGE (HIGH CHANNEL, CH 12)**



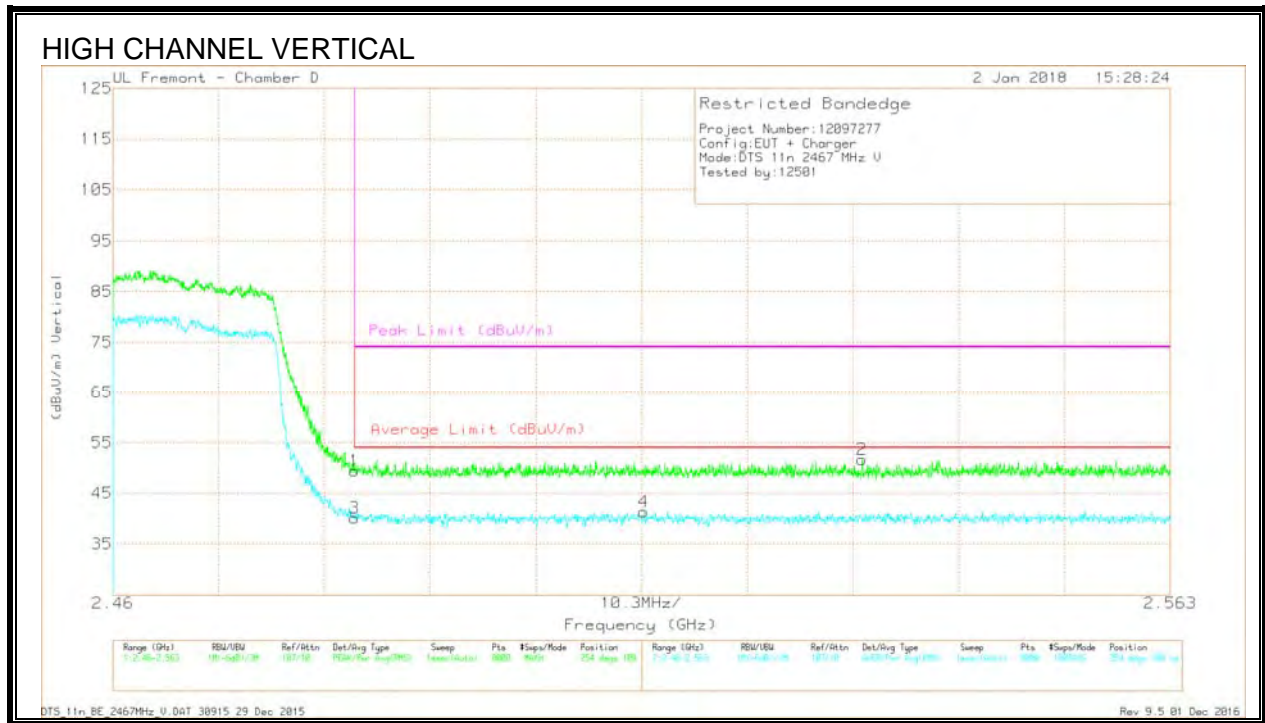
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	48.05	Pk	32.5	-20.5	0	60.05	-	-	74	-13.95	84	126	H
2	* 2.484	48.2	Pk	32.5	-20.5	0	60.2	-	-	74	-13.8	84	126	H
3	* 2.484	35.82	RMS	32.5	-20.5	.13	47.95	54	-6.05	-	-	84	126	H
4	* 2.484	36.62	RMS	32.5	-20.5	.13	48.75	54	-5.25	-	-	84	126	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

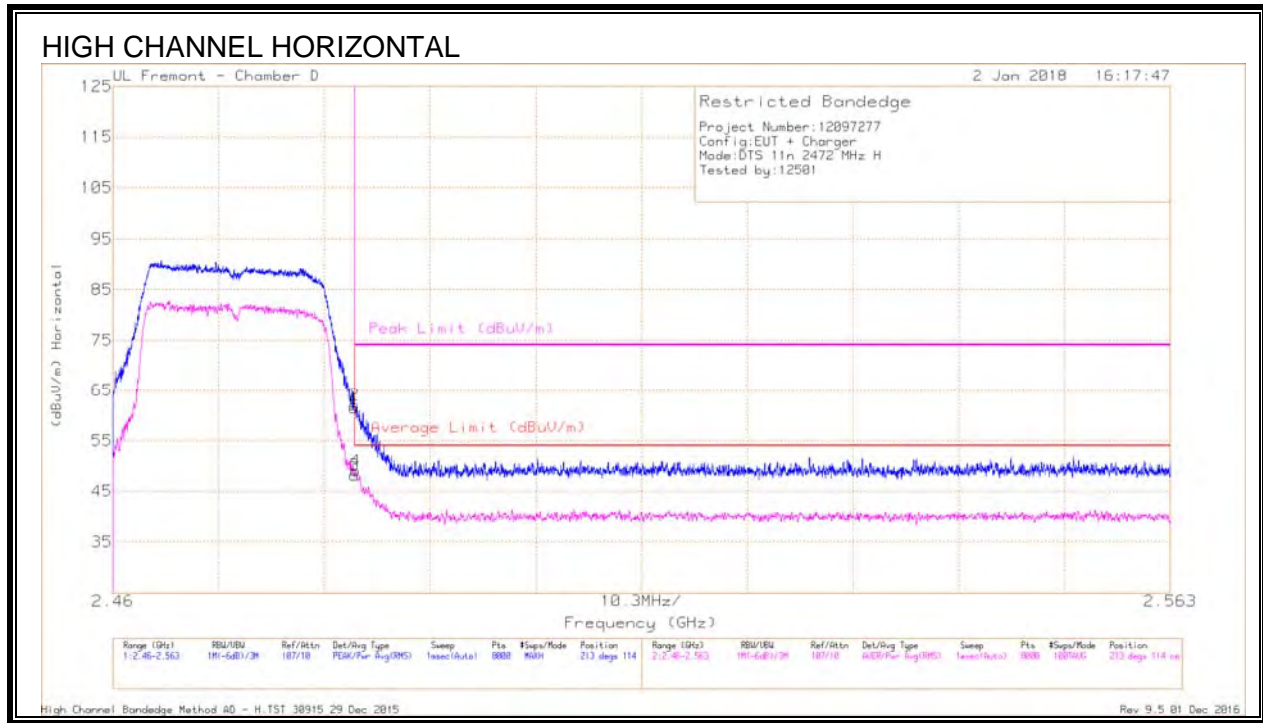
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cb/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	37.46	Pk	32.5	-20.5	0	49.46	-	-	74	-24.54	254	109	V
3	* 2.484	27.98	RMS	32.5	-20.5	.13	40.11	54	-13.89	-	-	254	109	V
4	2.512	28.93	RMS	32.6	-20.3	.13	41.36	54	-12.64	-	-	254	109	V
2	2.533	39.5	Pk	32.6	-20.4	0	51.7	-	-	74	-22.3	254	109	V

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

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEGE (HIGH CHANNEL, CH 13)**

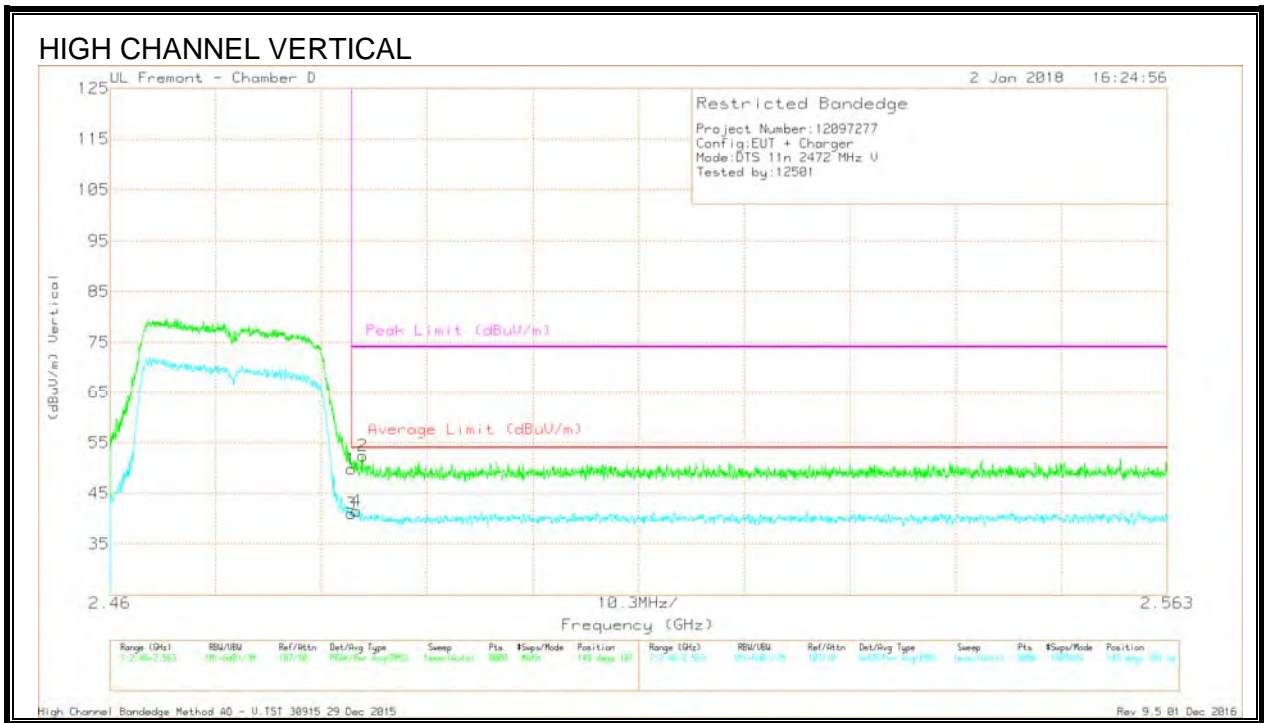


**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	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	49.49	Pk	32.5	-20.5	0	61.49	-	-	74	-12.51	213	114	H
2	* 2.484	50.05	Pk	32.5	-20.5	0	62.05	-	-	74	-11.95	213	114	H
3	* 2.484	36.08	RMS	32.5	-20.5	.13	48.21	54	-5.79	-	-	213	114	H
4	* 2.484	36.9	RMS	32.5	-20.5	.13	49.03	54	-4.97	-	-	213	114	H

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





Trace Markers

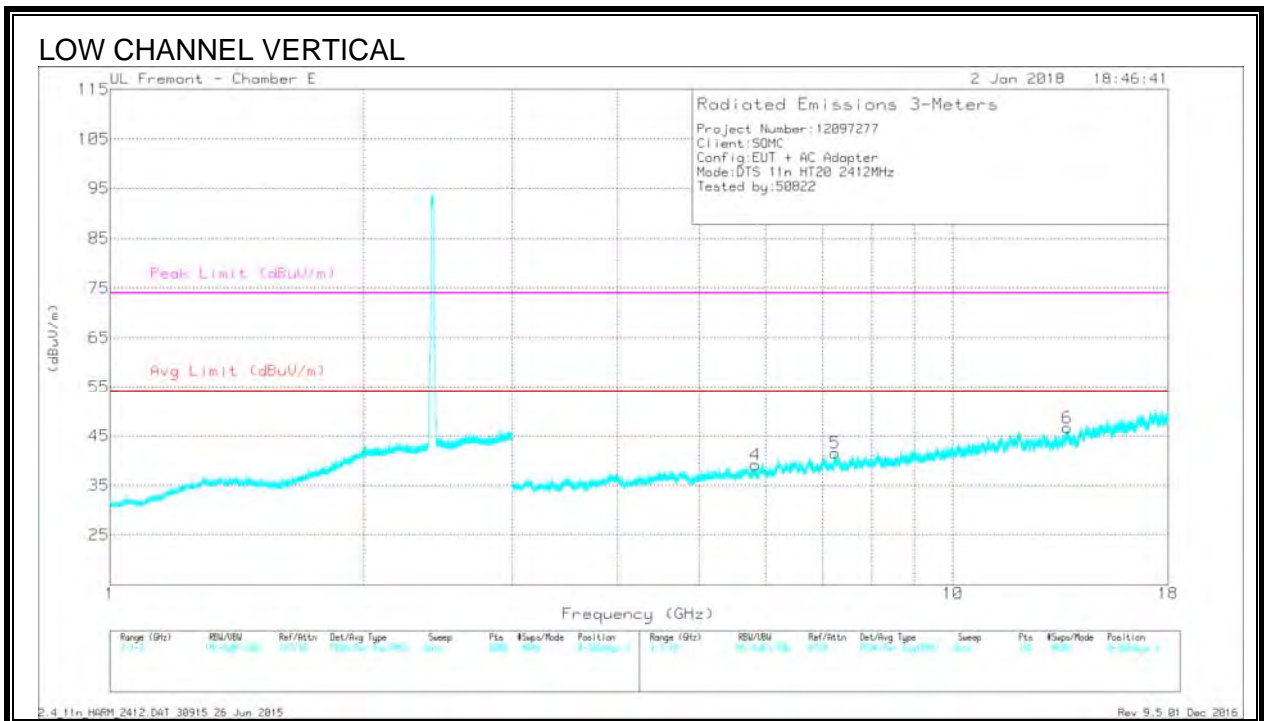
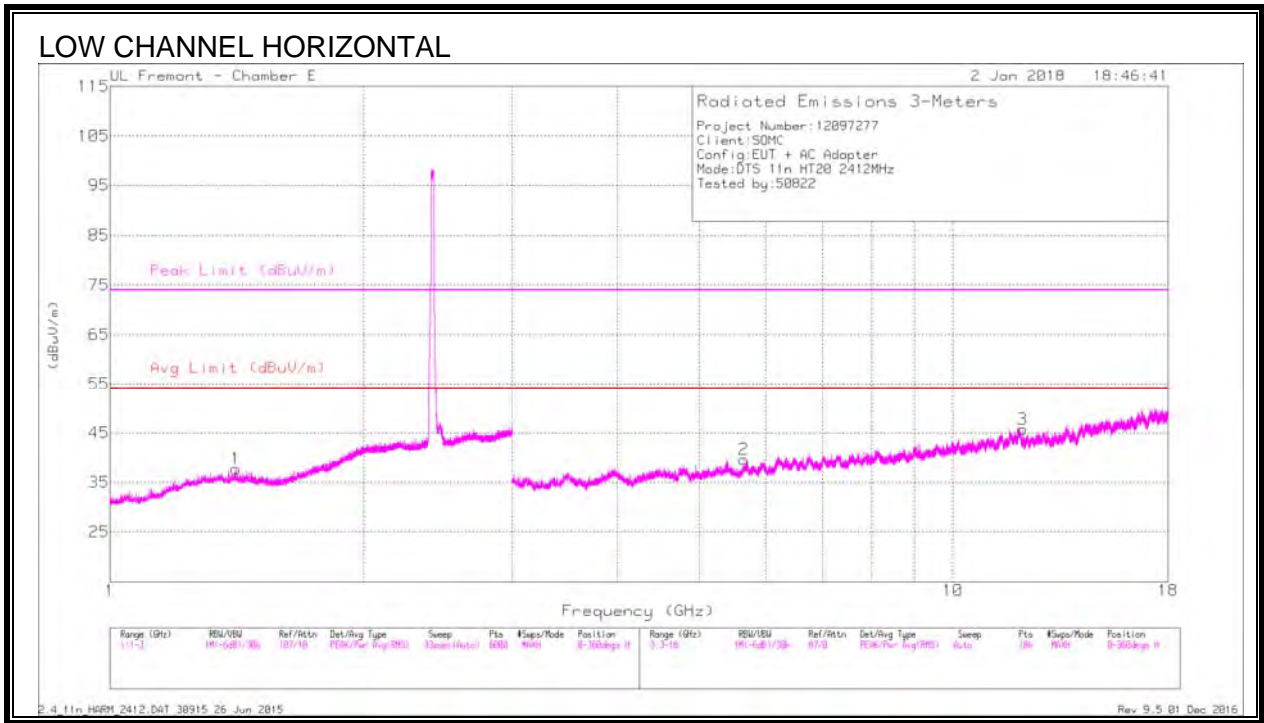
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cb/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	37.77	Pk	32.5	-20.5	0	49.77	-	-	74	-24.23	149	101	V
2	* 2.485	40.28	Pk	32.6	-20.5	0	52.38	-	-	74	-21.62	149	101	V
3	* 2.484	28.82	RMS	32.5	-20.5	.13	40.95	54	-13.05	-	-	149	101	V
4	* 2.484	29.35	RMS	32.5	-20.5	.13	41.48	54	-12.52	-	-	149	101	V

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

Pk - Peak detector

RMS - RMS detection

**HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, CH 1)**



Radiated Emissions

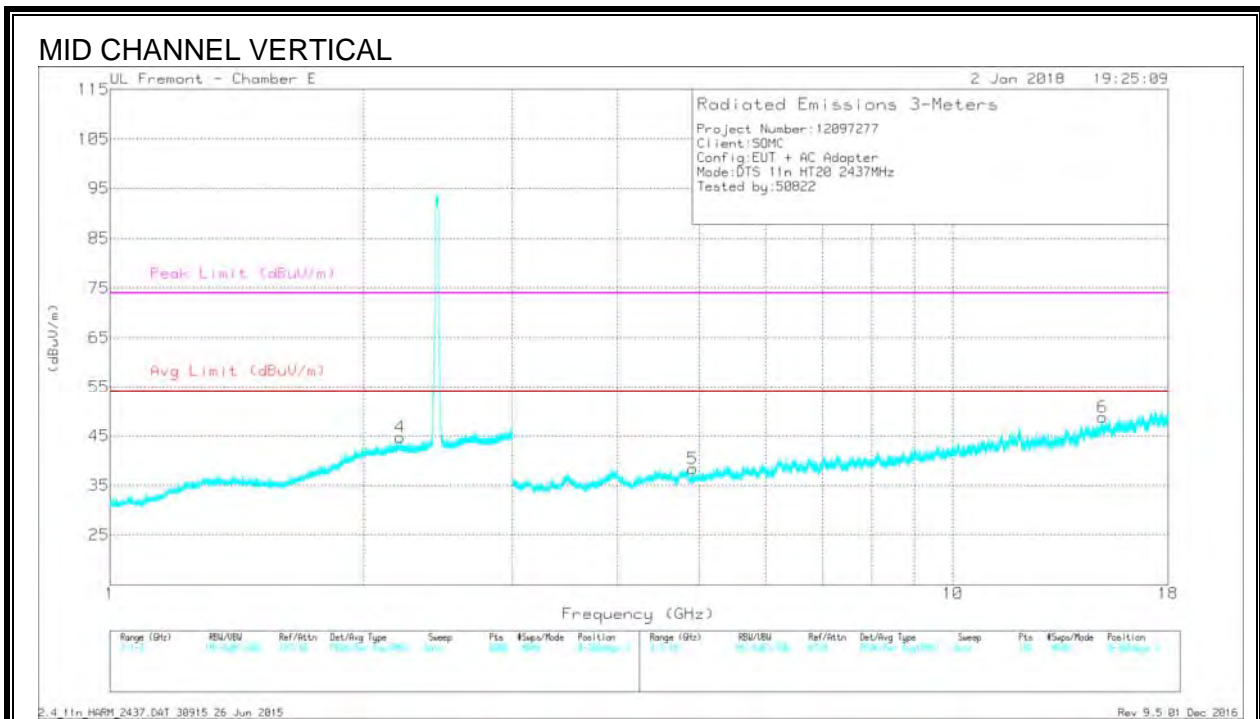
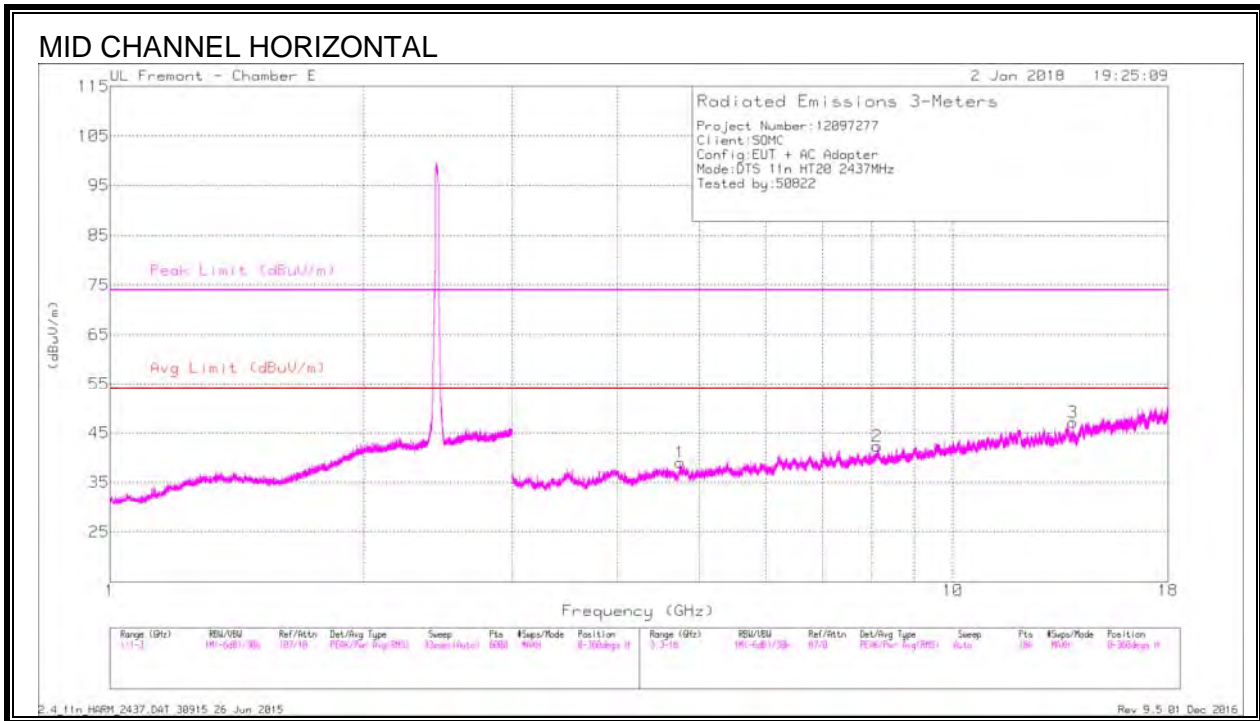
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.408	35.48	PK2	28.7	-21.2	0	42.98	-	-	74	-31.02	32	129	H
	* 1.41	23.49	MAv1	28.7	-21.3	.13	31.02	54	-22.98	-	-	32	129	H
3	* 12.101	34.73	PK2	39.2	-23.9	0	50.03	-	-	74	-23.97	336	220	H
	* 12.101	23.34	MAv1	39.2	-23.9	.13	38.77	54	-15.23	-	-	336	220	H
2	5.648	38.73	PK2	35	-28.4	0	45.33	-	-	-	-	70	242	H
4	5.831	39.14	PK2	35.2	-29.1	0	45.24	-	-	-	-	164	110	V
5	7.249	37.14	PK2	36	-26.6	0	46.54	-	-	-	-	43	120	V
6	13.658	35.74	PK2	39.5	-23.2	0	52.04	-	-	-	-	356	121	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

**HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, CH 6)**



Radiated Emissions

Marker	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
4	* 2.211	35.74	PK2	32	-19.2	0	48.54	-	-	74	-25.46	119	113	V
	* 2.211	24.29	MAv1	32	-19.2	.13	37.22	54	-16.78	-	-	119	113	V
1	* 4.743	39.17	PK2	34.4	-28.8	0	44.77	-	-	74	-29.23	315	102	H
	* 4.744	27.2	MAv1	34.4	-28.8	.13	32.93	54	-21.07	-	-	315	102	H
2	* 8.128	35.59	PK2	36.5	-24.7	0	47.39	-	-	74	-26.61	192	131	H
	* 8.129	24.35	MAv1	36.5	-24.7	.13	36.28	54	-17.72	-	-	192	131	H
5	* 4.912	37.77	PK2	34.5	-29.7	0	42.57	-	-	74	-31.43	98	110	V
	* 4.914	26.38	MAv1	34.5	-29.7	.13	31.31	54	-22.69	-	-	98	110	V
3	13.881	35.75	PK2	39.6	-23.4	0	51.95	-	-	-	-	17	126	H
6	15.051	34.7	PK2	41.2	-22.5	0	53.4	-	-	-	-	236	343	V

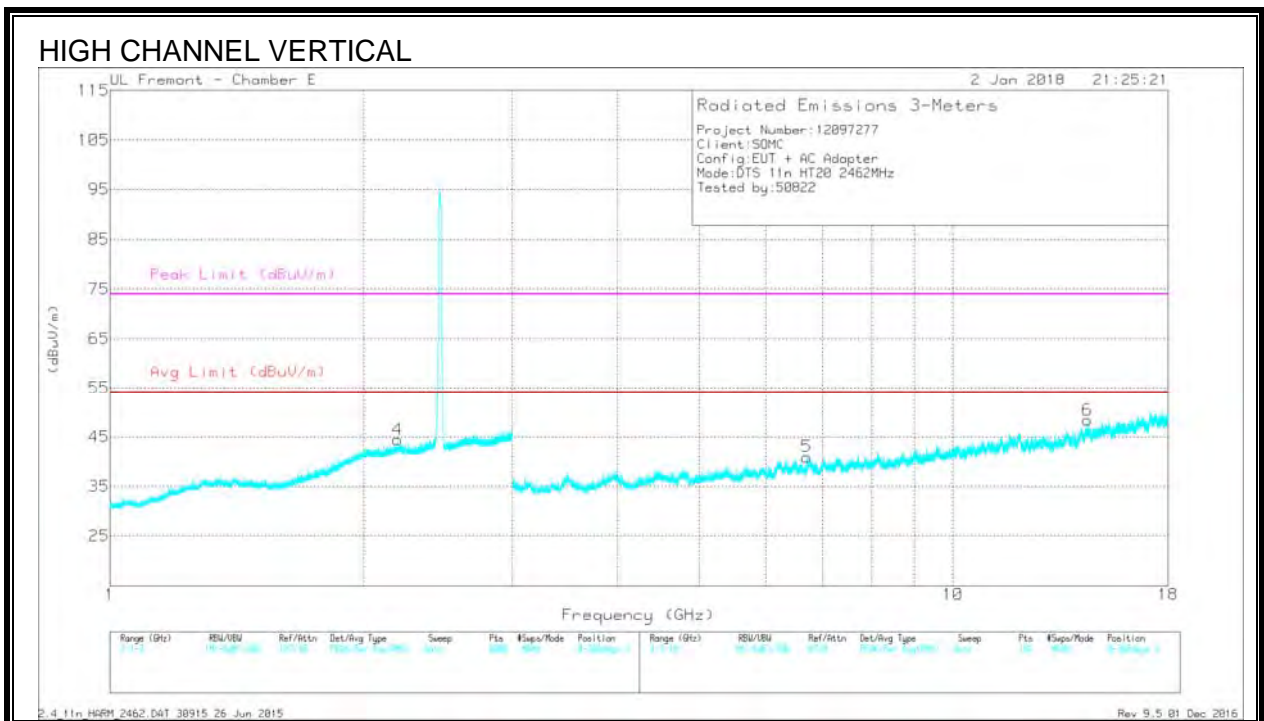
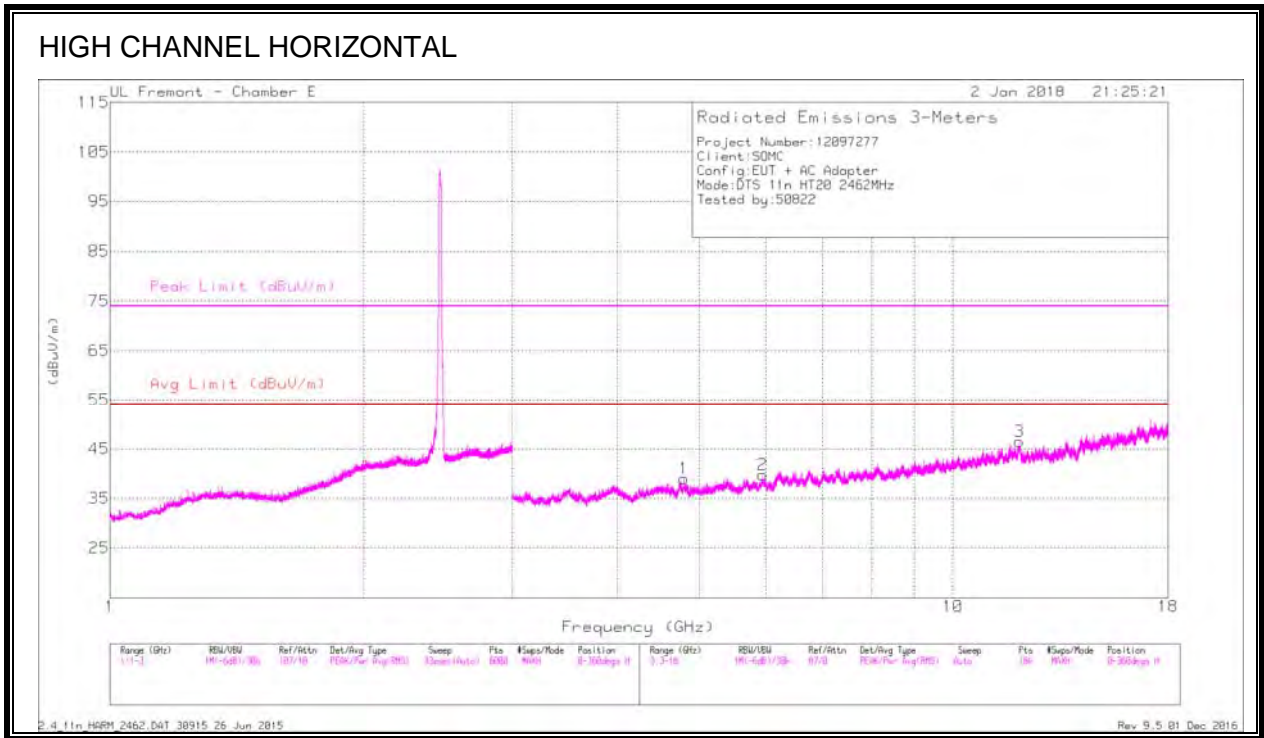
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average



**HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, CH 11)**



Radiated Emissions

Marker	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	* 4.797	39.42	PK2	34.4	-29	0	44.82	-	-	74	-29.18	11	112	H
	* 4.797	28.2	MAv1	34.4	-29.1	.13	33.63	54	-20.37	-	-	11	112	H
3	* 12	35.14	PK2	39.8	-22.2	0	52.74	-	-	74	-21.26	14	113	H
	* 12	23.22	MAv1	39.8	-22.2	.13	40.95	54	-13.05	-	-	14	113	H
4	2.195	36.4	PK2	32.1	-19.3	0	49.2	-	-	-	-	233	297	V
2	5.947	38.17	PK2	35.3	-28.1	0	45.37	-	-	-	-	93	121	H
5	6.708	37.04	PK2	35.9	-26.6	0	46.34	-	-	-	-	211	224	V
6	14.438	35.5	PK2	40.7	-23	0	53.2	-	-	-	-	218	128	V

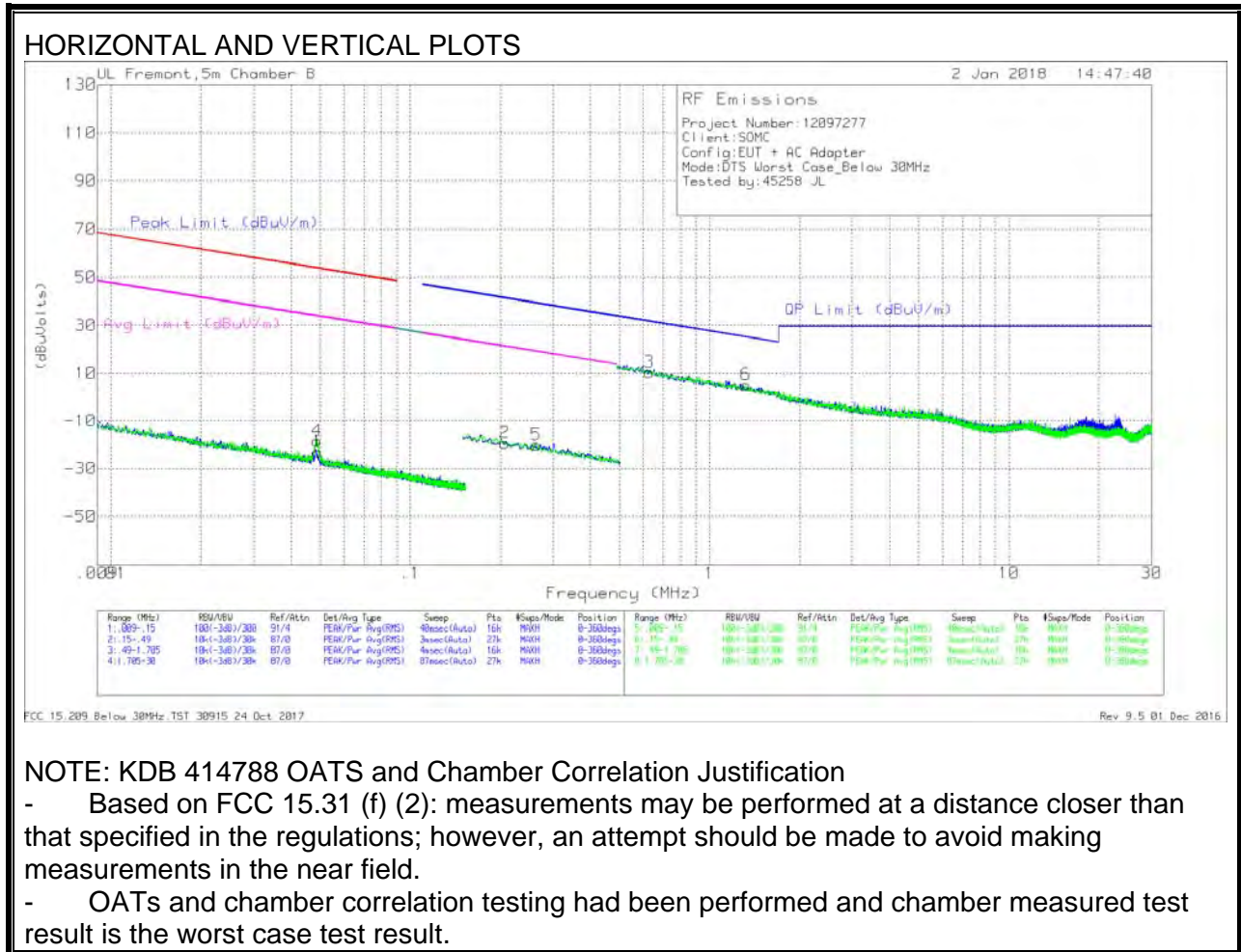
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

### 10.3 WORST-CASE BELOW 30 MHz

#### SPURIOUS EMISSIONS BELOW 30 MHz (WORST-CASE CONFIGURATION)



**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 (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cbl (dB)	Dist Corr 300m	Corrected Reading (dBuVolts)	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)
4	.04882	45.7	Pk	14.4	1.4	-80	-18.5	53.81	-72.31	33.81	-52.31	-	-	-	-	0-360
1	.04904	41.3	Pk	14.4	1.4	-80	-22.9	53.77	-76.67	33.77	-56.67	-	-	-	-	0-360
2	.20712	45.35	Pk	13.9	1.5	-80	-19.25	-	-	-	-	41.29	-60.54	21.29	-40.54	0-360
5	.26356	44.6	Pk	13.8	1.5	-80	-20.1	-	-	-	-	39.2	-59.3	19.2	-39.3	0-360

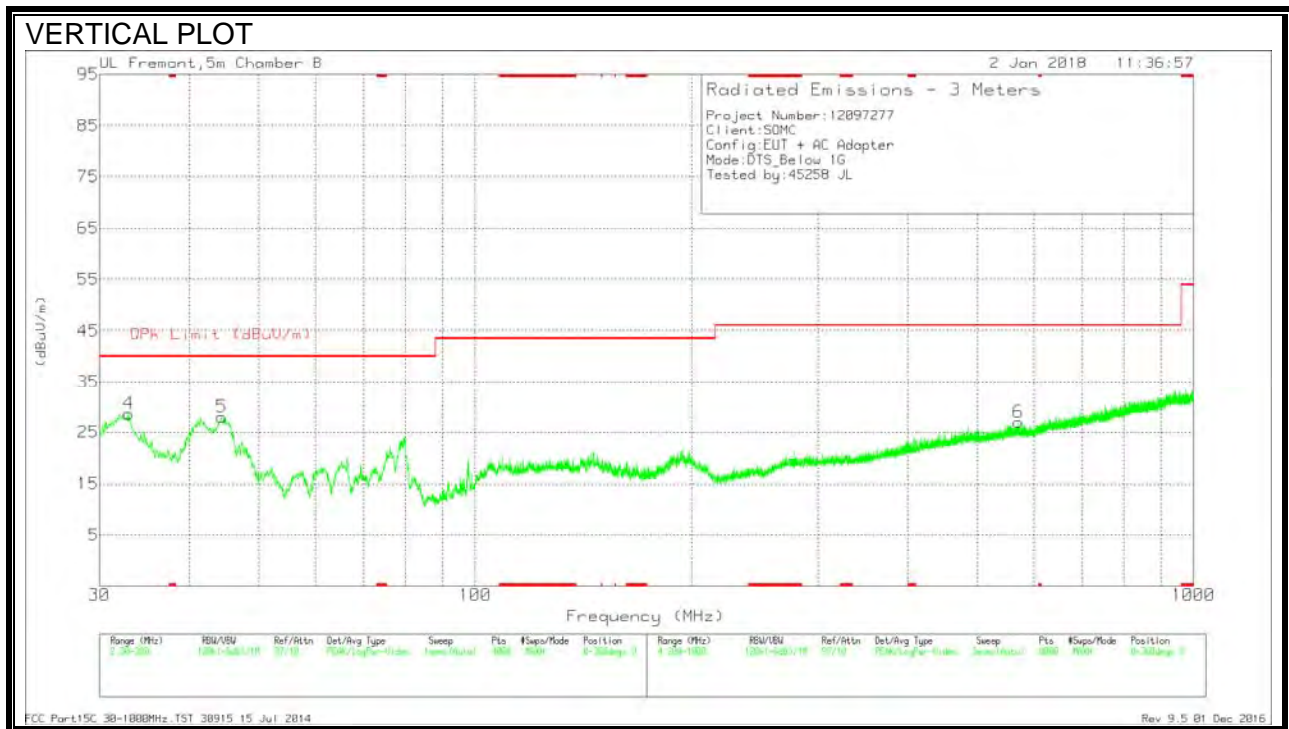
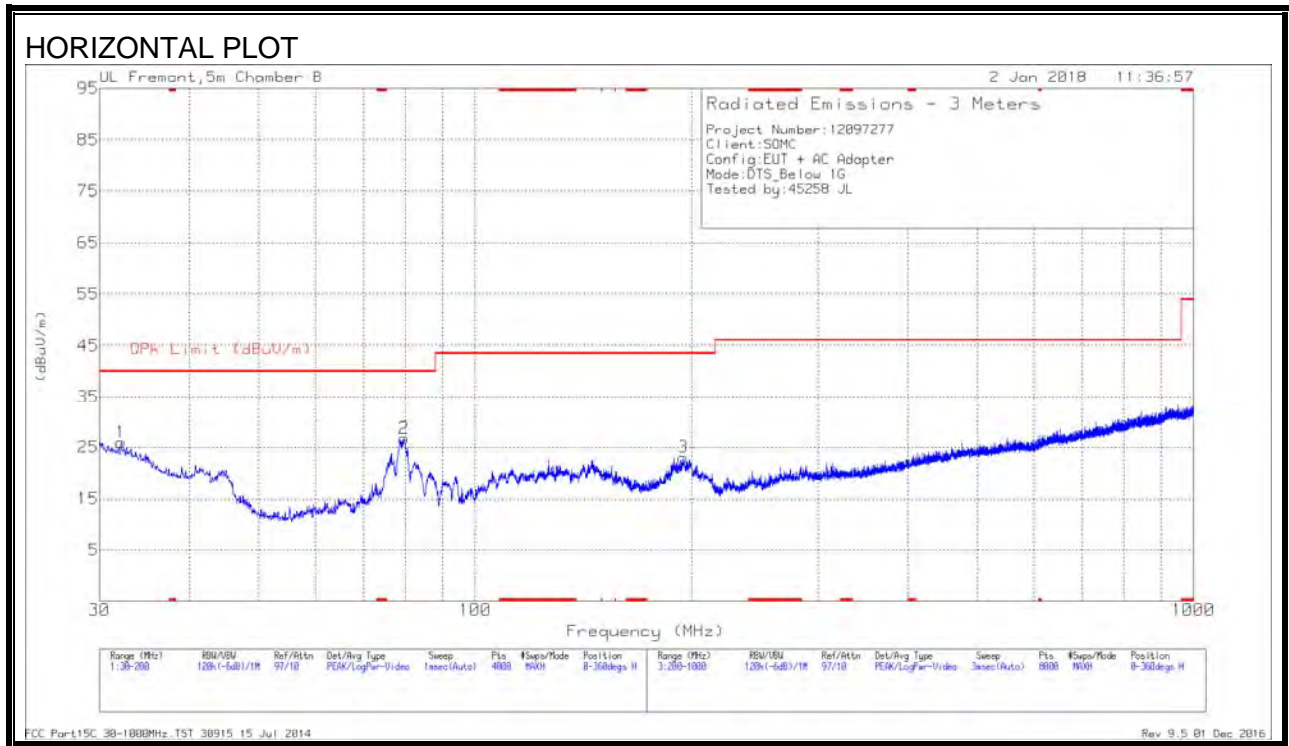
#### Pk - Peak detector

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cbl (dB)	Dist Corr (dB) 40Log	Corrected Reading (dBuVolts)	QP Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
3	.62931	35.02	Pk	14	1.5	-40	10.52	31.63	-21.11	-	-	-	-	0-360
6	1.32315	29.53	Pk	14.3	1.5	-40	5.33	25.2	-19.87	-	-	-	-	0-360

#### Pk - Peak detector

### 10.4 WORST-CASE BELOW 1 GHz

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



Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T899 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	32.1256	31.02	Pk	23.8	-28.8	26.02	40	-13.98	0-360	200	H
4	32.9333	34	Pk	23.4	-28.8	28.6	40	-11.4	0-360	100	V
5	44.3687	41.81	Pk	14.8	-28.6	28.01	40	-11.99	0-360	100	V
2	79.5678	43.79	Pk	11.2	-28.2	26.79	40	-13.21	0-360	400	H
3	194.9852	34.1	Pk	15.8	-26.9	23	43.52	-20.52	0-360	200	H
6	570.1481	30.18	Pk	22.5	-25.7	26.98	46.02	-19.04	0-360	200	V

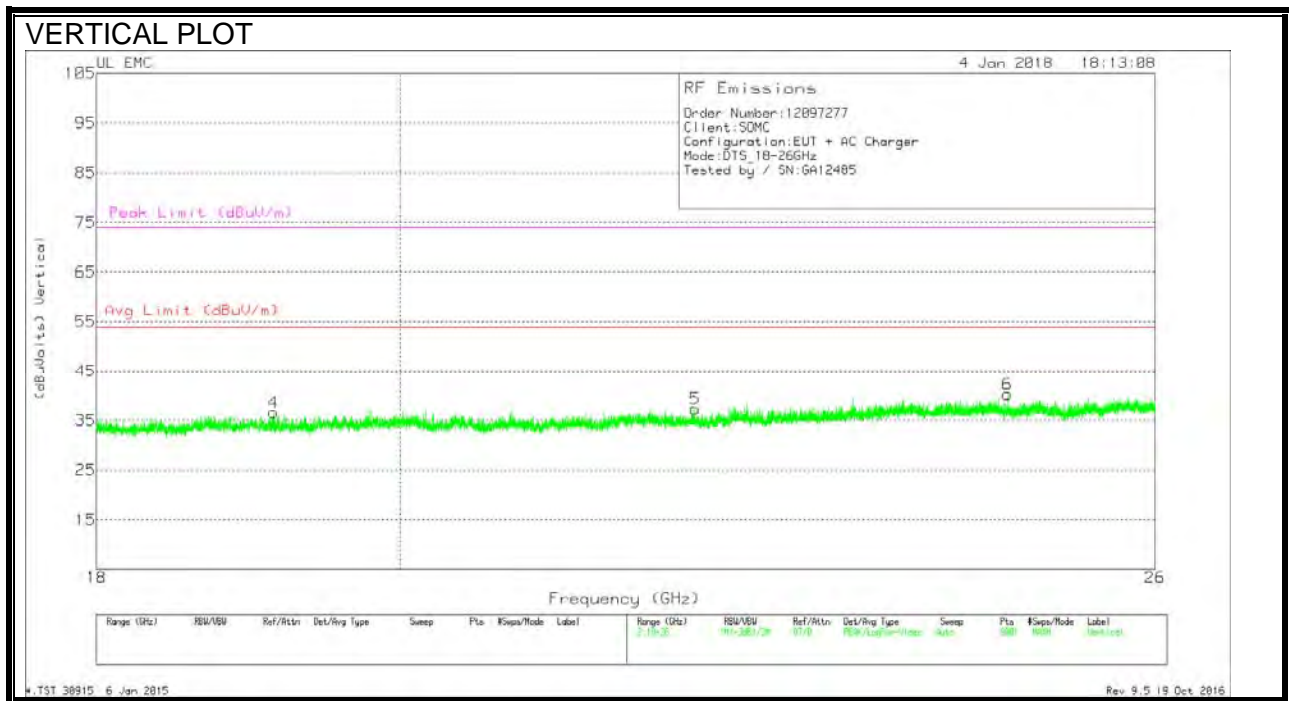
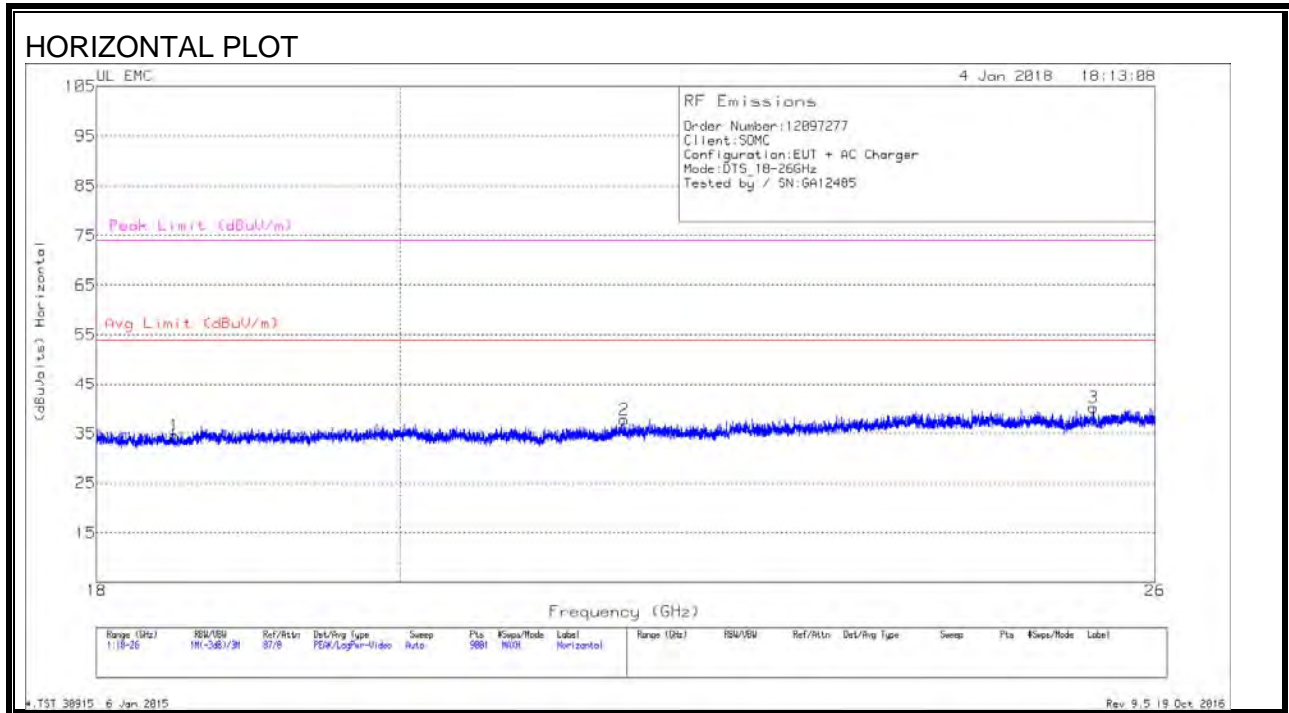
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector



### 10.5. 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	T89 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	18.494	37.37	Pk	32.4	-25.7	-9.5	34.57	54	-19.43	74	-39.43
2	21.619	39.23	Pk	33.2	-25.2	-9.5	37.73	54	-16.27	74	-36.27
3	25.448	40.33	Pk	33.8	-24.4	-9.5	40.23	54	-13.77	74	-33.77
4	19.141	38.61	Pk	32.2	-24.7	-9.5	36.61	54	-17.39	74	-37.39
5	22.159	38.6	Pk	32.9	-24.7	-9.5	37.3	54	-16.7	74	-36.7
6	24.701	40.56	Pk	33.8	-24.6	-9.5	40.26	54	-13.74	74	-33.74

Pk - Peak detector

## 11. AC POWER LINE CONDUCTED EMISSIONS

### LIMITS

FCC §15.207 (a)

Frequency of Emission (MHz)	Conducted Limit (dB $\mu$ 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.

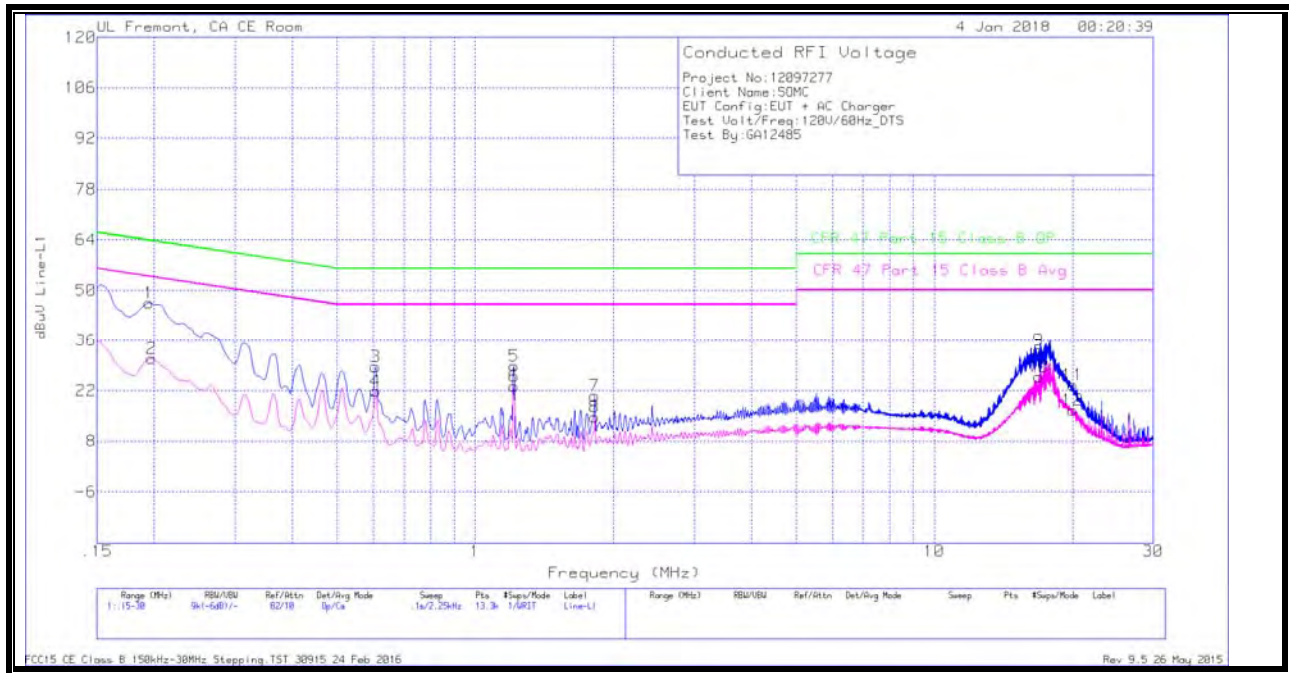
### TEST PROCEDURE

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.

**LINE 1 RESULTS**



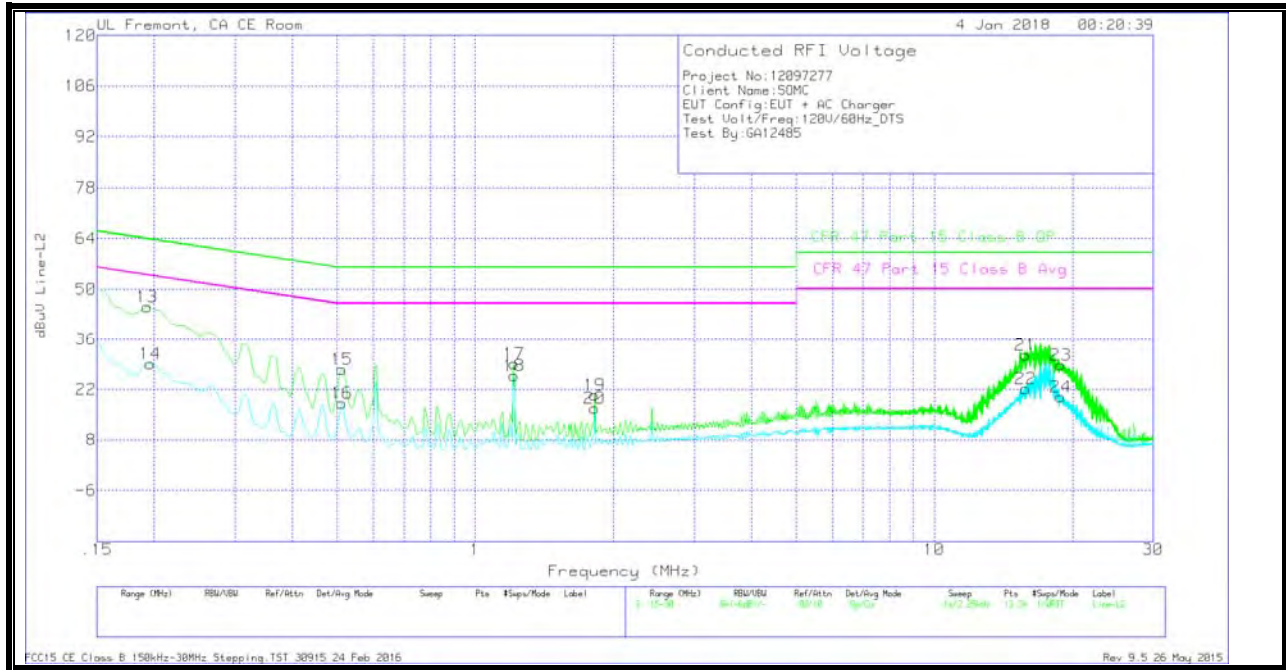
**WORST EMISSIONS**

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	.195	36.37	Qp	0	0	10.1	46.47	63.82	-17.35	-	-
2	.19725	20.85	Ca	0	0	10.1	30.95	-	-	53.73	-22.78
3	.60675	18.56	Qp	0	0	10.1	28.66	56	-27.34	-	-
4	.60675	11.74	Ca	0	0	10.1	21.84	-	-	46	-24.16
5	1.21425	18.67	Qp	0	.1	10.1	28.87	56	-27.13	-	-
6	1.21425	12.98	Ca	0	.1	10.1	23.18	-	-	46	-22.82
7	1.8195	10.34	Qp	0	.1	10.1	20.54	56	-35.46	-	-
8	1.8195	4.53	Ca	0	.1	10.1	14.73	-	-	46	-31.27
9	16.88775	22.76	Qp	0	.3	10.3	33.36	60	-26.64	-	-
10	16.8855	15.28	Ca	0	.3	10.3	25.88	-	-	50	-24.12
11	20.04225	12.88	Qp	.1	.3	10.3	23.58	60	-36.42	-	-
12	20.04225	5.87	Ca	.1	.3	10.3	16.57	-	-	50	-33.43

Qp - Quasi-Peak detector

Ca - CISPR average detection

**LINE 2 RESULTS**



**WORST EMISSIONS**

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	.19275	35.04	Qp	0	0	10.1	45.14	63.92	-18.78	-	-
14	.19613	19.06	Ca	0	0	10.1	29.16	-	-	53.77	-24.61
15	.51225	17.5	Qp	0	0	10.1	27.6	56	-28.4	-	-
16	.51225	8.01	Ca	0	0	10.1	18.11	-	-	46	-27.89
17	1.21425	18.9	Qp	0	.1	10.1	29.1	56	-26.9	-	-
18	1.21425	15.56	Ca	0	.1	10.1	25.76	-	-	46	-20.24
19	1.82175	10.23	Qp	0	.1	10.1	20.43	56	-35.57	-	-
20	1.82175	6.63	Ca	0	.1	10.1	16.83	-	-	46	-29.17
21	15.80325	21.04	Qp	0	.3	10.3	31.64	60	-28.36	-	-
22	15.80325	11.61	Ca	0	.3	10.3	22.21	-	-	50	-27.79
23	18.85425	18.26	Qp	0	.3	10.3	28.86	60	-31.14	-	-
24	18.85425	9.25	Ca	0	.3	10.3	19.85	-	-	50	-30.15

Qp - Quasi-Peak detector

Ca - CISPR average detection