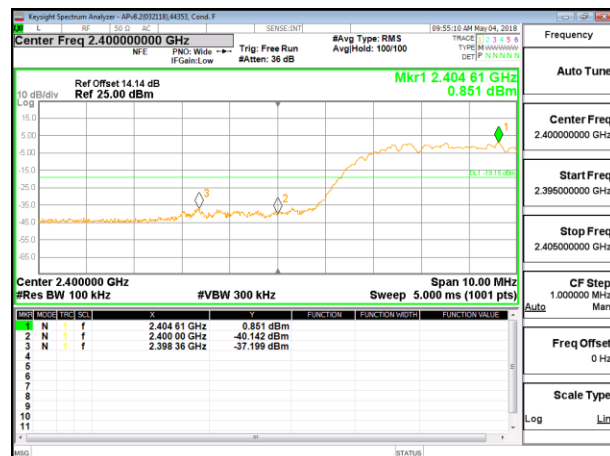
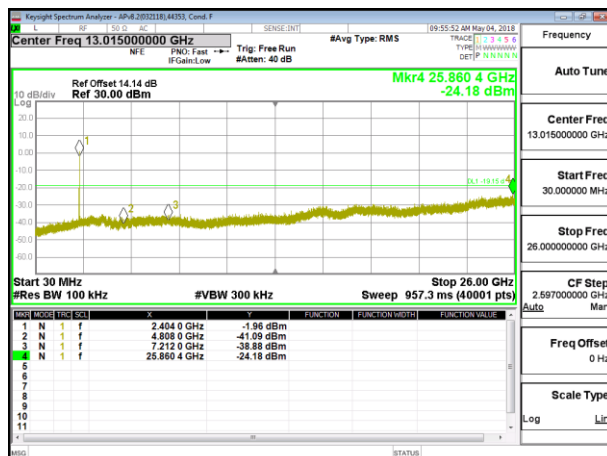


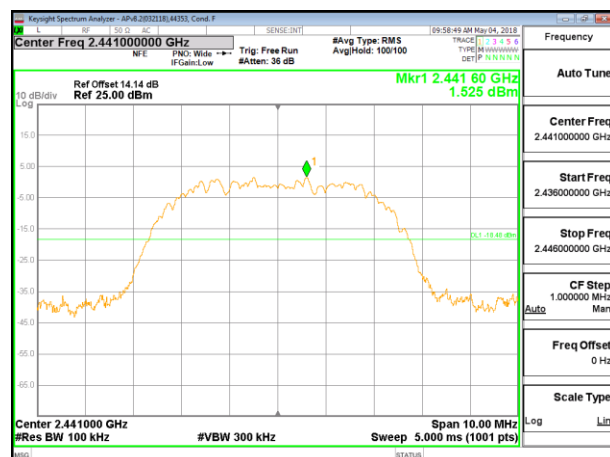
Antenna 3



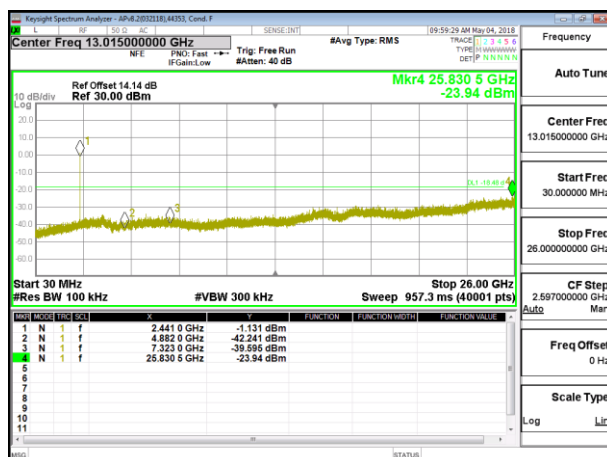
LOW CHANNEL BANDEDGE



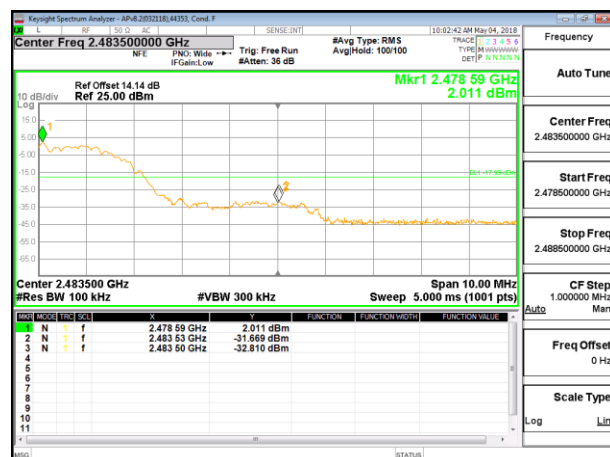
OUT-OF-BAND LOW CHANNEL



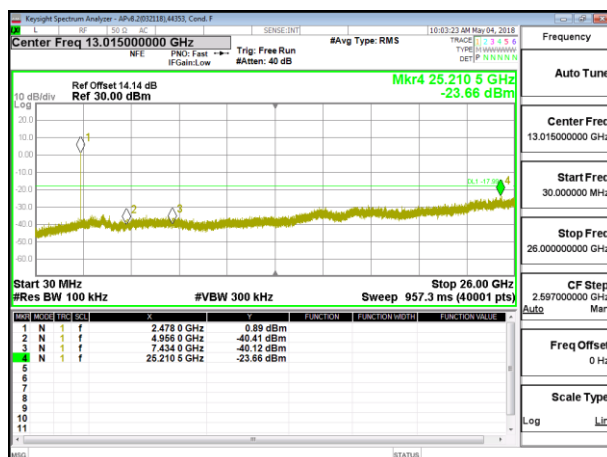
IN-BAND REFERENCE LEVEL



OUT-OF-BAND MID CHANNEL



HIGH CHANNEL BANDEDGE



OUT-OF-BAND HIGH CHANNEL

9. RADIATED TEST RESULTS

9.1. LIMITS AND PROCEDURE

LIMITS

FCC §15.205 and §15.209

RSS-GEN, Section 8.9 and 8.10.

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.

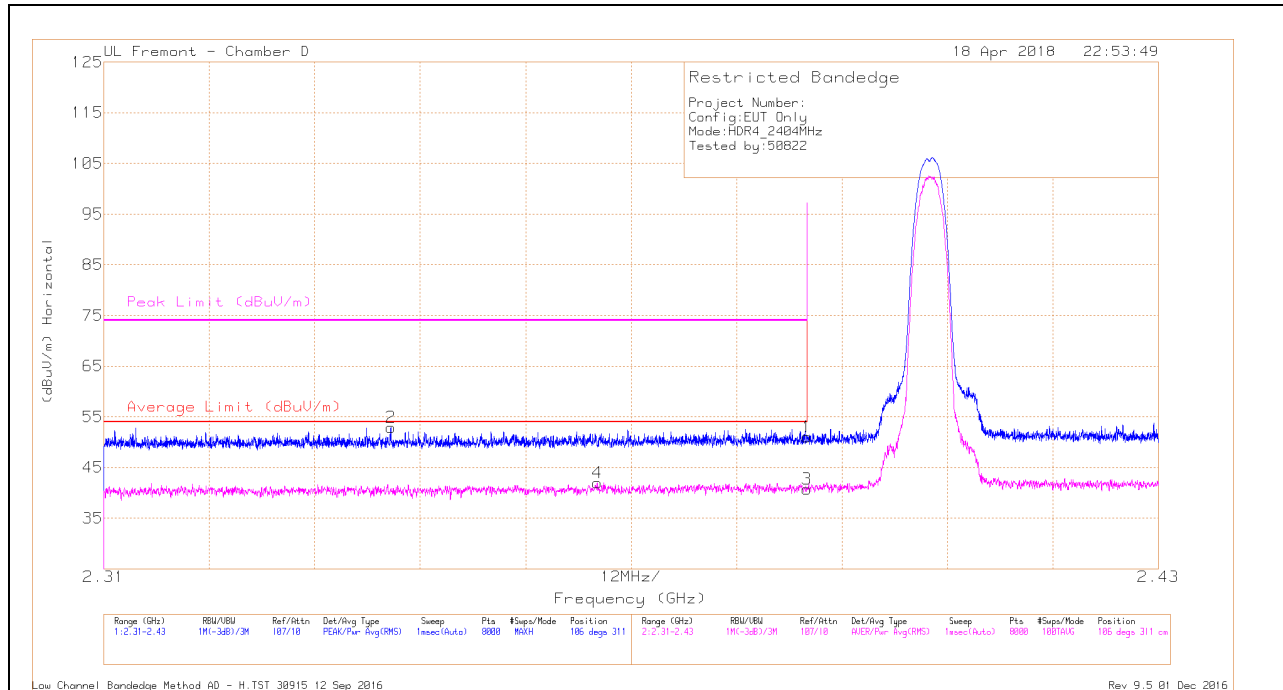
9.2. TRANSMITTER ABOVE 1 GHz

9.2.1. HIGH POWER HDR4

Antenna 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



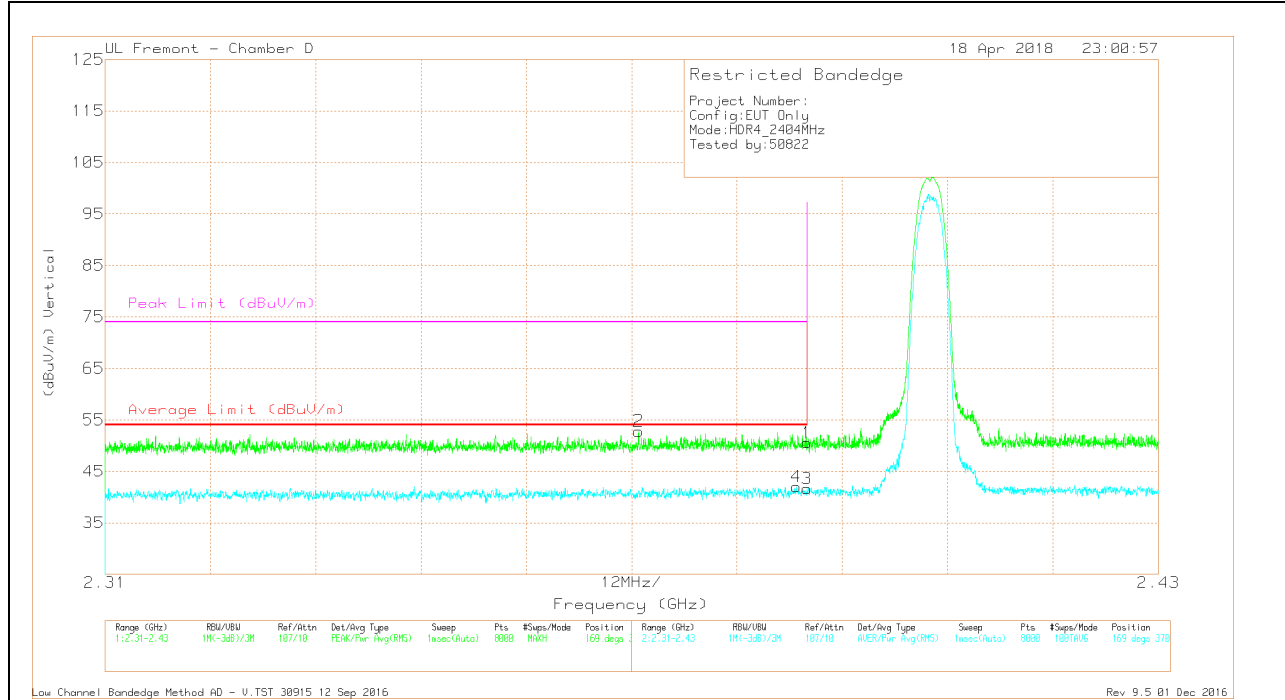
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	39.68	Pk	31.9	-20.5	51.08	-	-	74	-22.92	106	311	H
2	* 2.343	41.85	Pk	31.6	-20.6	52.85	-	-	74	-21.15	106	311	H
3	* 2.39	29.36	RMS	31.9	-20.5	40.76	54	-13.24	-	-	106	311	H
4	* 2.366	30.75	RMS	31.7	-20.5	41.95	54	-12.05	-	-	106	311	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filter/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	39.14	Pk	31.9	-20.5	50.54	-	-	74	-23.46	169	370	V
2	* 2.371	41.6	Pk	31.8	-20.6	52.8	-	-	74	-21.2	169	370	V
3	* 2.39	30.23	RMS	31.9	-20.5	41.63	54	-12.37	-	-	169	370	V
4	* 2.389	30.63	RMS	31.9	-20.5	42.03	54	-11.97	-	-	169	370	V

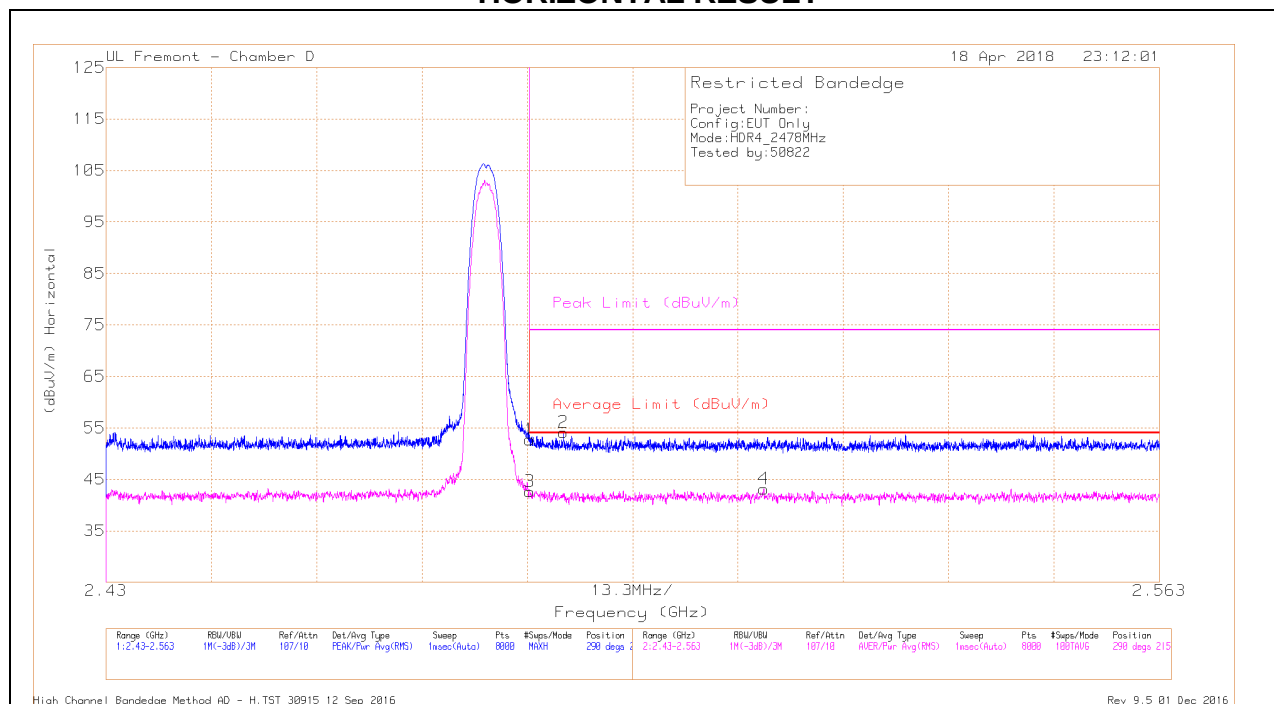
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



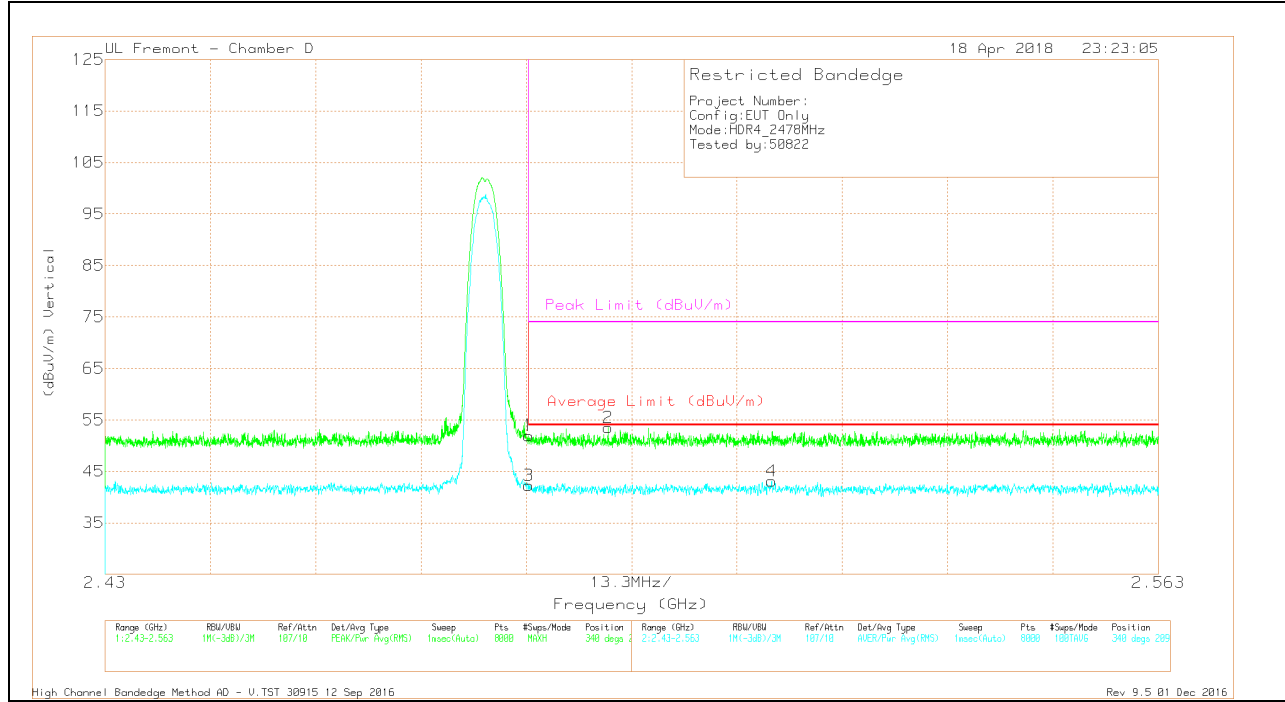
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/r/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.73	Pk	32.4	-20.4	52.73	-	-	74	-21.27	290	215	H
2	* 2.488	42.24	Pk	32.4	-20.5	54.14	-	-	74	-19.86	290	215	H
3	* 2.484	30.66	RMS	32.4	-20.4	42.66	54	-11.34	-	-	290	215	H
4	2.513	31.06	RMS	32.4	-20.3	43.16	54	-10.84	-	-	290	215	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filter/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	39.94	Pk	32.4	-20.4	51.94	-	-	74	-22.06	340	209	V
3	* 2.484	30.25	RMS	32.4	-20.4	42.25	54	-11.75	-	-	340	209	V
2	* 2.494	41.59	Pk	32.4	-20.5	53.49	-	-	74	-20.51	340	209	V
4	2.514	31.01	RMS	32.4	-20.3	43.11	54	-10.89	-	-	340	209	V

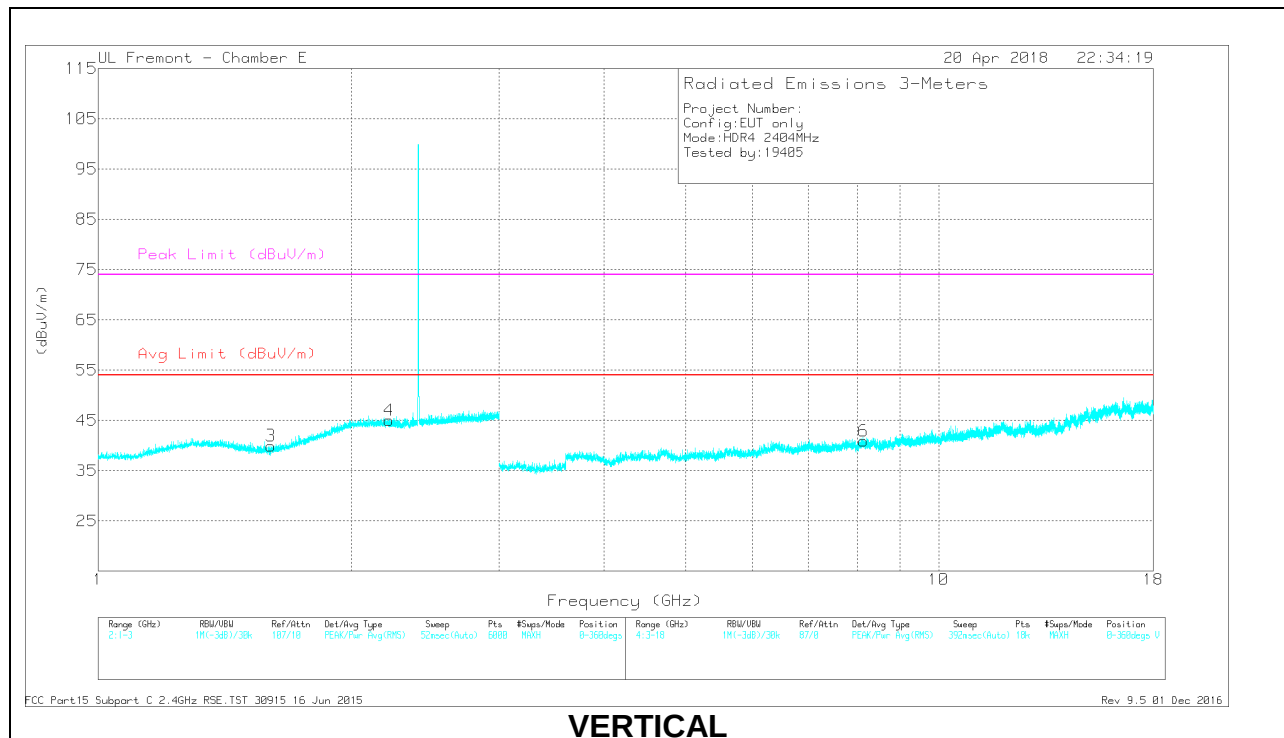
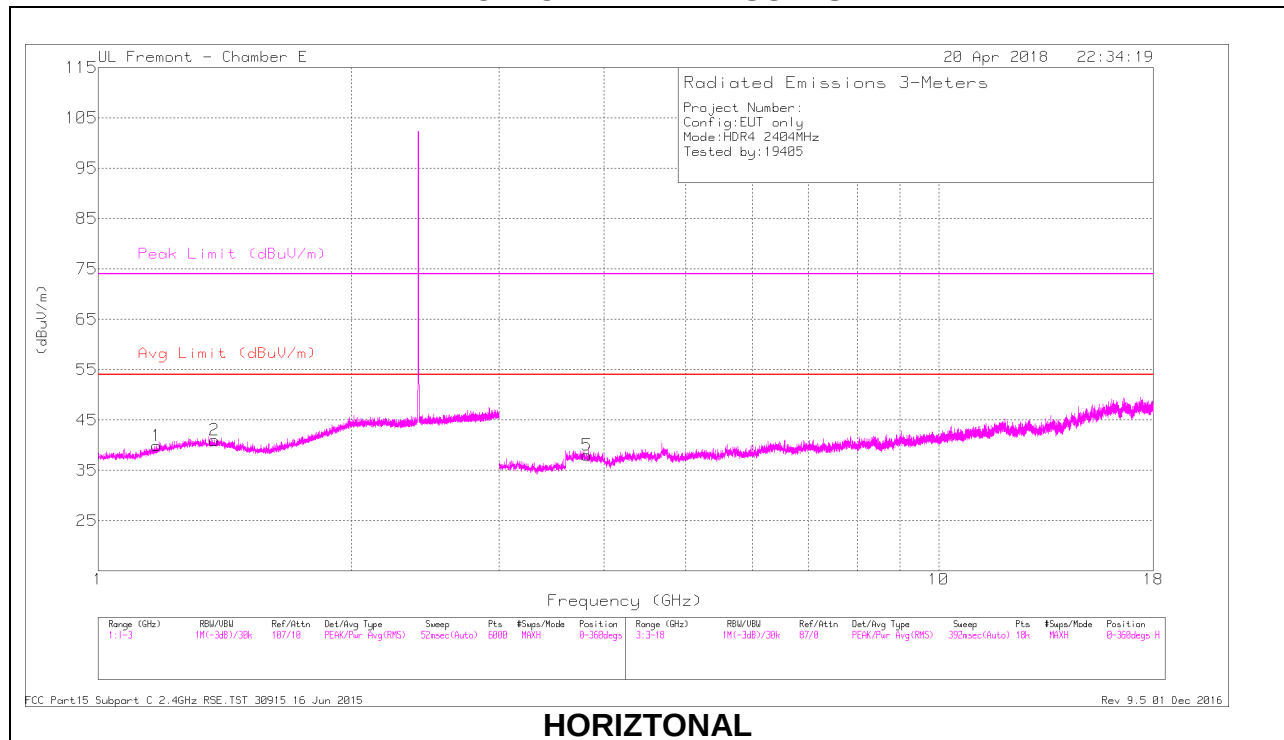
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

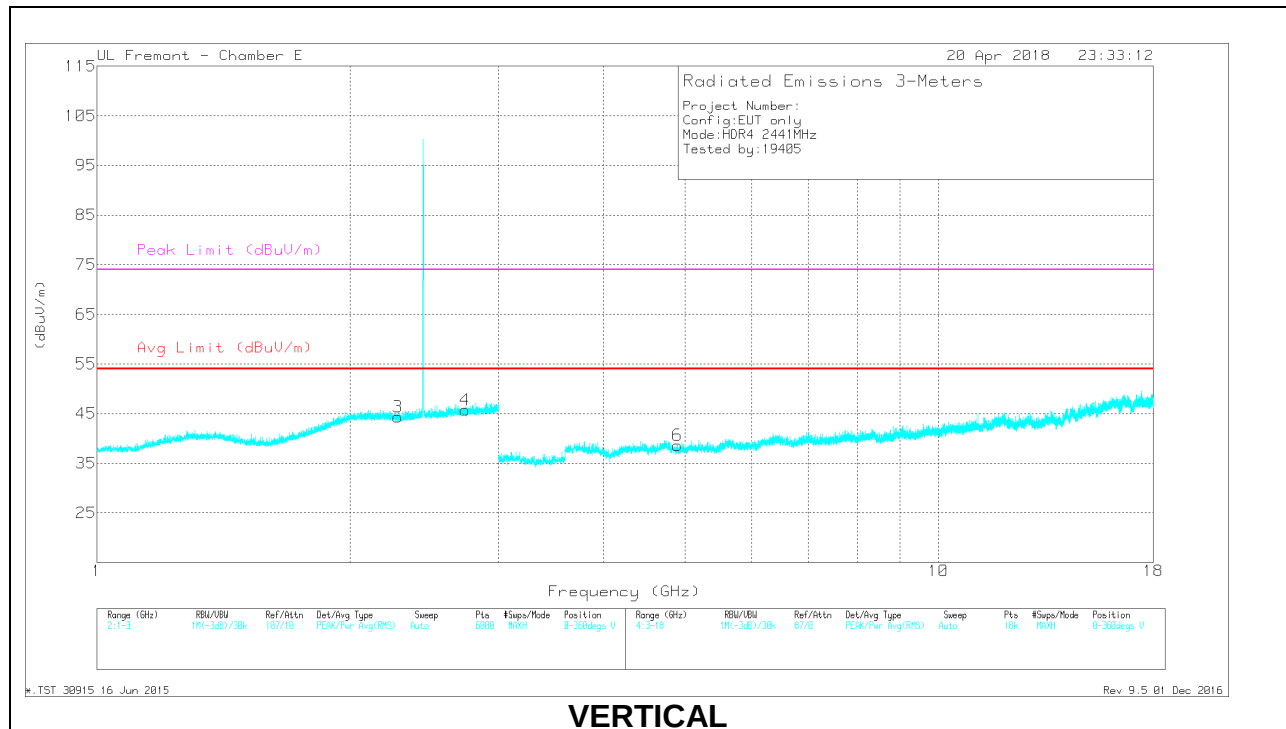
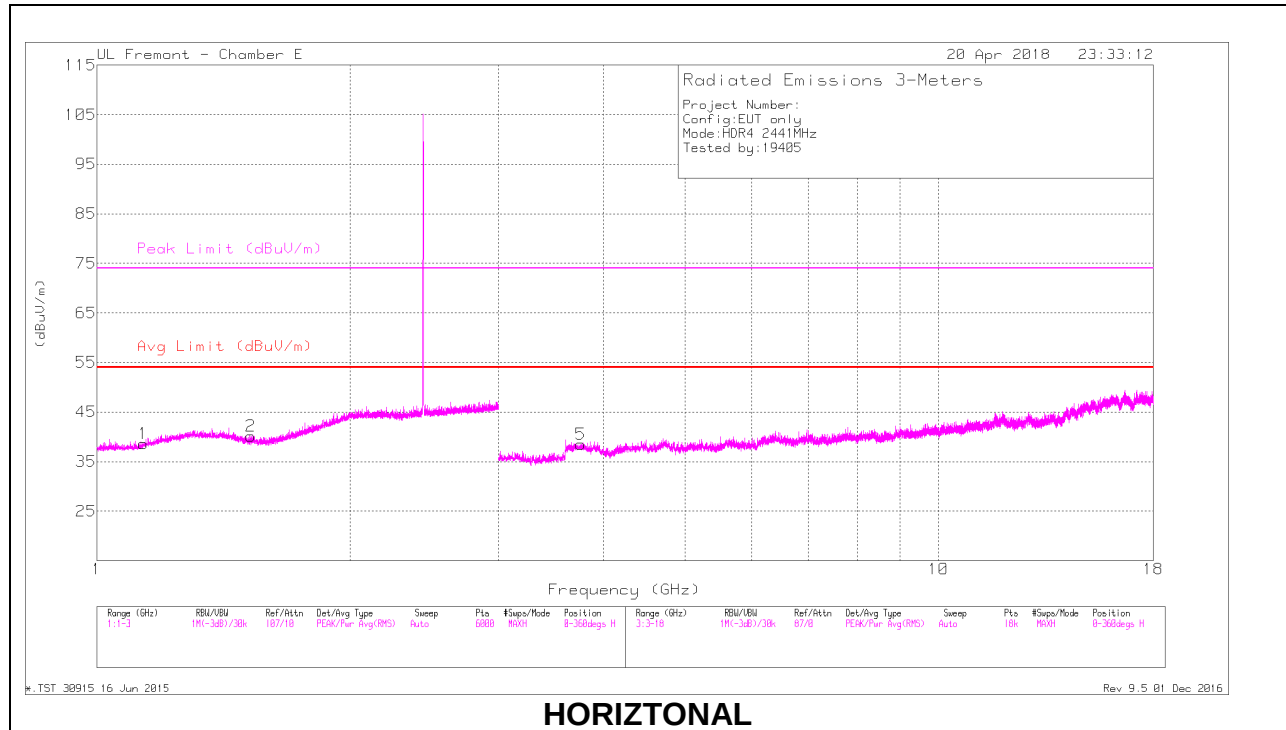
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.175	45.89	PK2	27.5	-25.6	47.79	-	-	74	-26.21	342	122	H
	* 1.172	33.04	MAv1	27.5	-25.6	34.94	54	-19.06	-	-	342	122	H
2	* 1.377	44.82	PK2	28.8	-25.1	48.52	-	-	74	-25.48	316	148	H
	* 1.375	32.53	MAv1	28.8	-25.1	36.23	54	-17.77	-	-	316	148	H
3	* 1.605	44.49	PK2	27.2	-24.4	47.29	-	-	74	-26.71	276	163	V
	* 1.606	32.02	MAv1	27.2	-24.4	34.82	54	-19.18	-	-	276	163	V
4	* 2.219	43.75	PK2	32	-23	52.75	-	-	74	-21.25	241	194	V
	* 2.217	30.82	MAv1	32	-23	39.82	54	-14.18	-	-	241	194	V
5	* 3.815	42.31	PK2	33.7	-30.2	45.81	-	-	74	-28.19	229	206	H
	* 3.817	30.35	MAv1	33.7	-30.3	33.75	54	-20.25	-	-	229	206	H
6	* 8.14	37.61	PK2	36.5	-25.2	48.91	-	-	74	-25.09	167	233	V
	* 8.139	25.57	MAv1	36.5	-25.2	36.87	54	-17.13	-	-	167	233	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS



RADIATED EMISSIONS

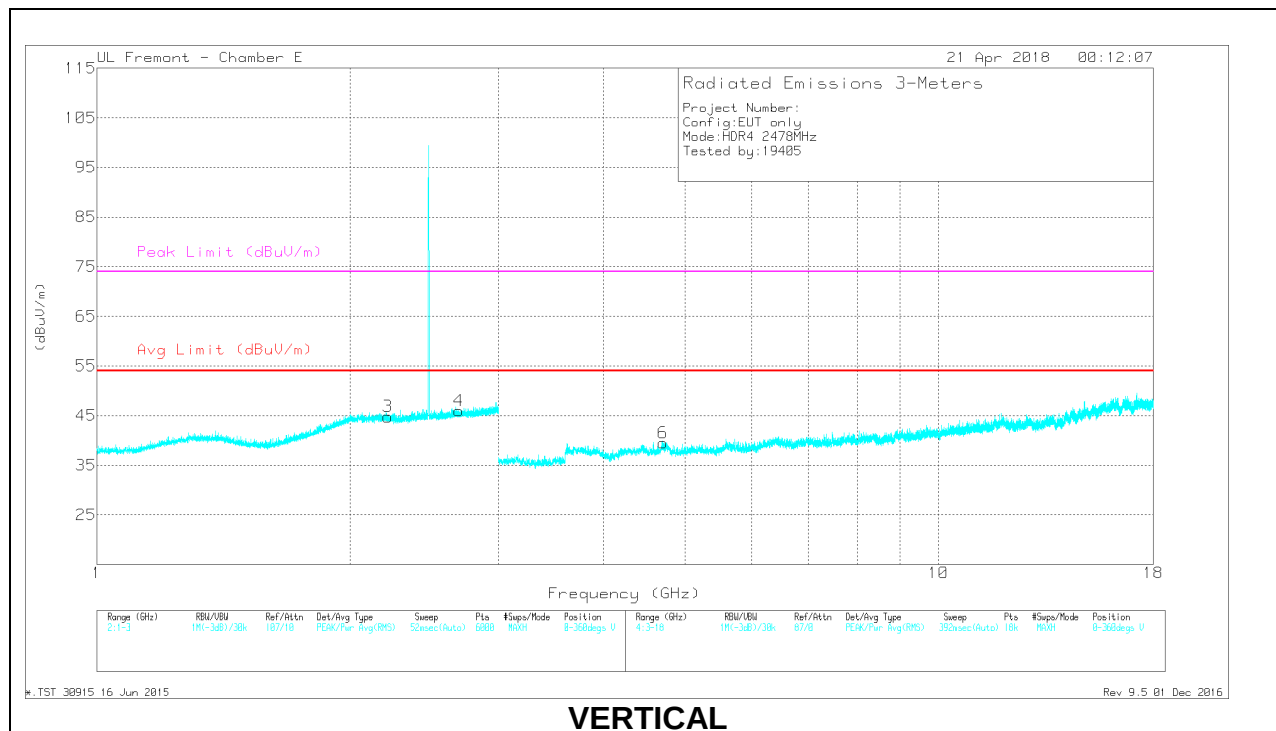
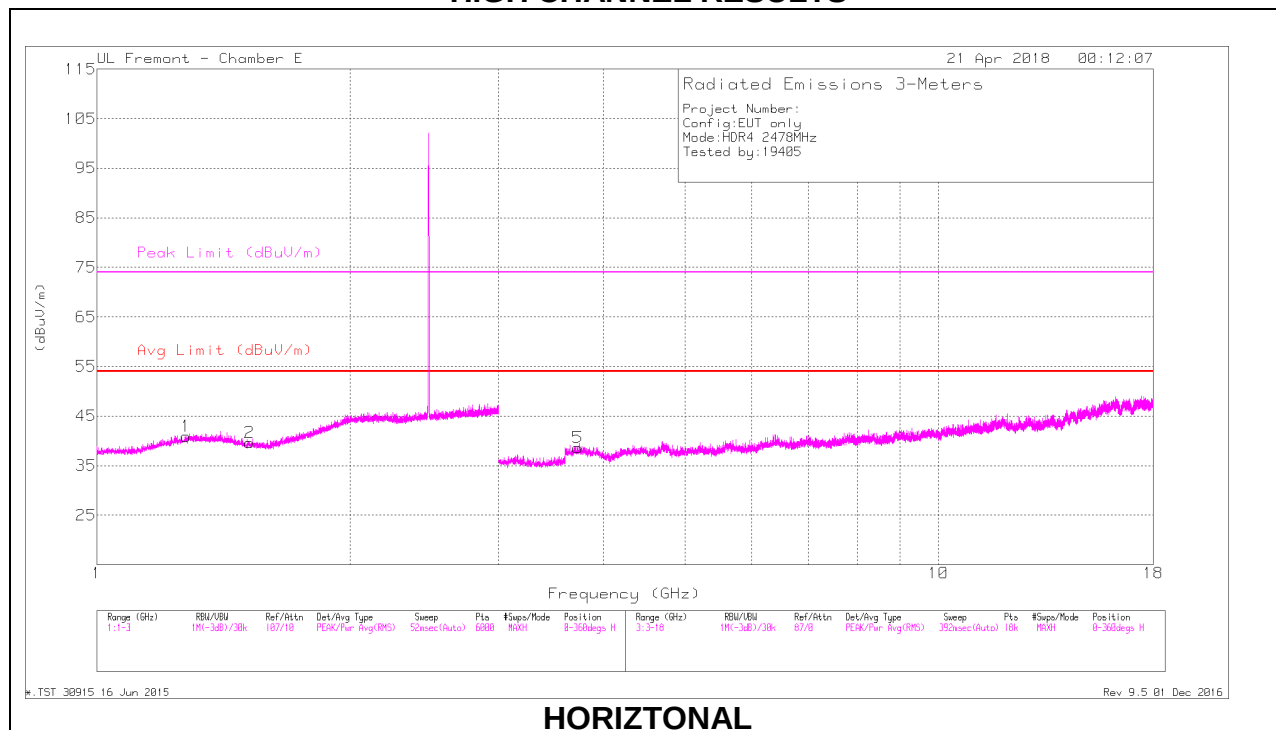
Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cb/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.136	45.48	PK2	26.9	-25.6	0	46.78	-	-	74	-27.22	238	145	H
	* 1.136	33.15	MAv1	26.9	-25.6	0	34.45	54	-19.55	-	-	238	145	H
2	* 1.529	44.52	PK2	27.5	-24.7	0	47.32	-	-	74	-26.68	228	112	H
	* 1.521	32.29	MAv1	27.5	-24.7	0	35.09	54	-18.91	-	-	228	112	H
3	* 2.278	43.82	PK2	31.8	-22.8	0	52.82	-	-	74	-21.18	305	184	V
	* 2.279	30.78	MAv1	31.8	-22.8	0	39.78	54	-14.22	-	-	305	184	V
4	* 2.737	43.06	PK2	32.5	-22	0	53.56	-	-	74	-20.44	346	229	V
	* 2.736	30.04	MAv1	32.5	-22	0	40.54	54	-13.46	-	-	346	229	V
5	* 3.757	41.37	PK2	33.6	-29.6	0	45.37	-	-	74	-28.63	307	184	H
	* 3.756	29.42	MAv1	33.6	-29.6	0	33.42	54	-20.58	-	-	307	184	H
6	* 4.894	40.75	PK2	34.5	-29.8	0	45.45	-	-	74	-28.55	269	148	V
	* 4.895	29.29	MAv1	34.5	-29.8	0	33.99	54	-20.01	-	-	269	148	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Fitr/ 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	* 1.277	45.06	PK2	28.7	-25.3	48.46	-	-	74	-25.54	311	146	H
	* 1.276	32.79	MAv1	28.7	-25.3	36.19	54	-17.81	-	-	311	146	H
2	* 1.521	44.27	PK2	27.5	-24.7	47.07	-	-	74	-26.93	274	132	H
	* 1.519	32.33	MAv1	27.5	-24.7	35.13	54	-18.87	-	-	274	132	H
3	* 2.218	43.99	PK2	32	-23	52.99	-	-	74	-21.01	244	191	V
	* 2.22	30.83	MAv1	32	-23	39.83	54	-14.17	-	-	244	191	V
4	* 2.691	43.02	PK2	32.4	-22	53.42	-	-	74	-20.58	304	217	V
	* 2.691	29.99	MAv1	32.4	-22	40.39	54	-13.61	-	-	304	217	V
5	* 3.728	41.09	PK2	33.6	-29.7	44.99	-	-	74	-29.01	351	248	H
	* 3.73	29.88	MAv1	33.6	-29.7	33.78	54	-20.22	-	-	351	248	H
6	* 4.709	41.21	PK2	34.4	-28.7	46.91	-	-	74	-27.09	291	219	V
	* 4.709	29.48	MAv1	34.4	-28.7	35.18	54	-18.82	-	-	291	219	V

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

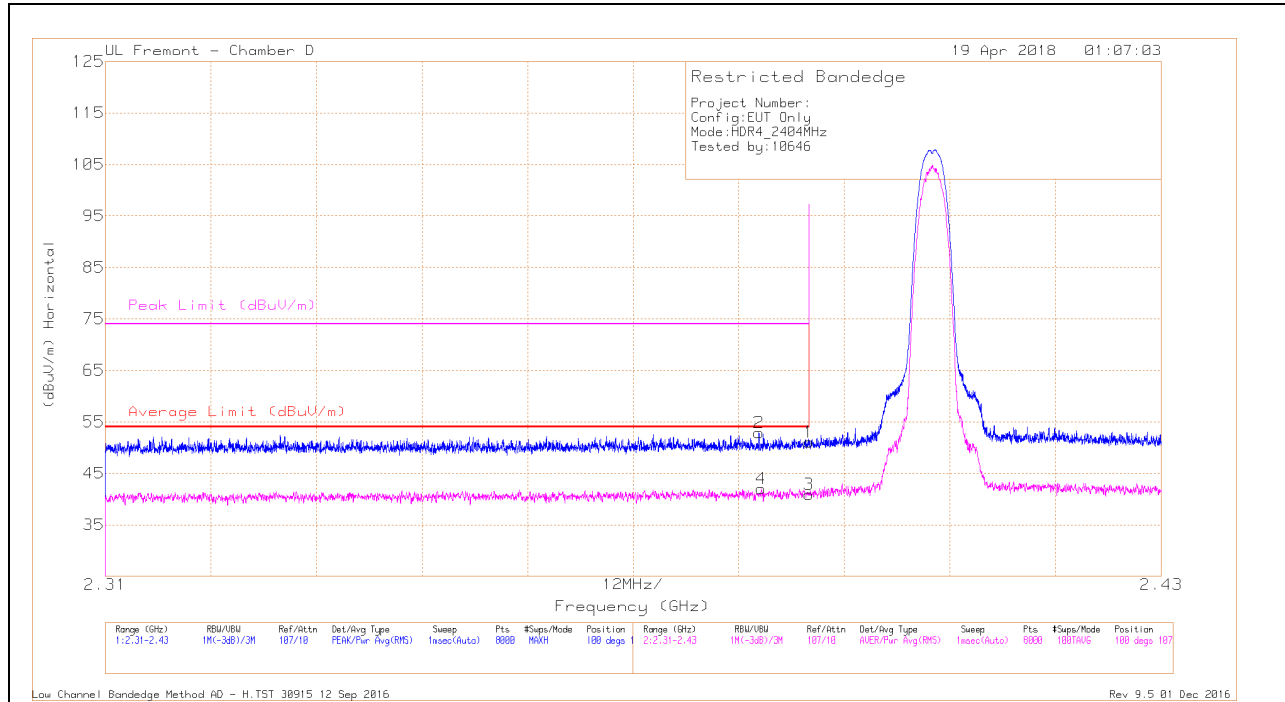
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

Antenna 3

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



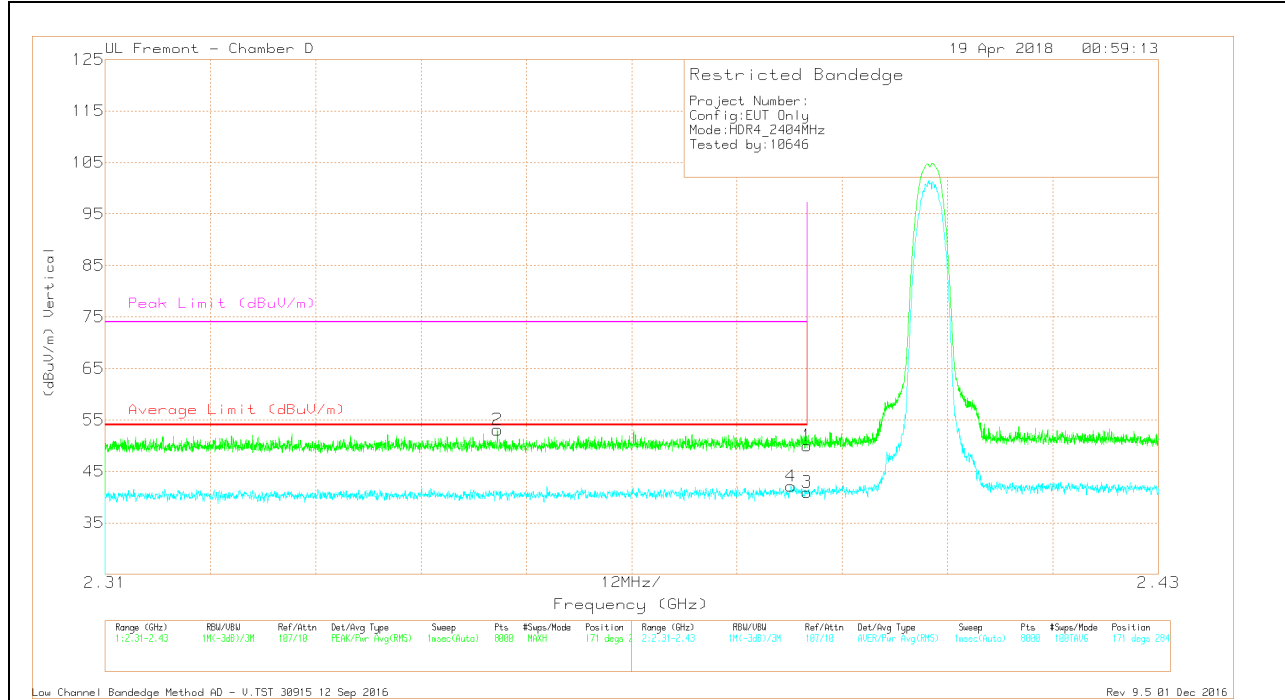
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filt/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.384	41.49	Pk	31.9	-20.5	52.89	-	-	74	-21.11	100	107	H
4	* 2.385	30.63	RMS	31.9	-20.5	42.03	54	-11.97	-	-	100	107	H
1	* 2.39	39.65	Pk	31.9	-20.5	51.05	-	-	74	-22.95	100	107	H
3	* 2.39	29.51	RMS	31.9	-20.5	40.91	54	-13.09	-	-	100	107	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filter/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.355	41.99	Pk	31.7	-20.6	53.09	-	-	74	-20.91	171	284	V
4	* 2.388	30.74	RMS	31.9	-20.5	42.14	54	-11.86	-	-	171	284	V
1	* 2.39	38.59	Pk	31.9	-20.5	49.99	-	-	74	-24.01	171	284	V
3	* 2.39	29.57	RMS	31.9	-20.5	40.97	54	-13.03	-	-	171	284	V

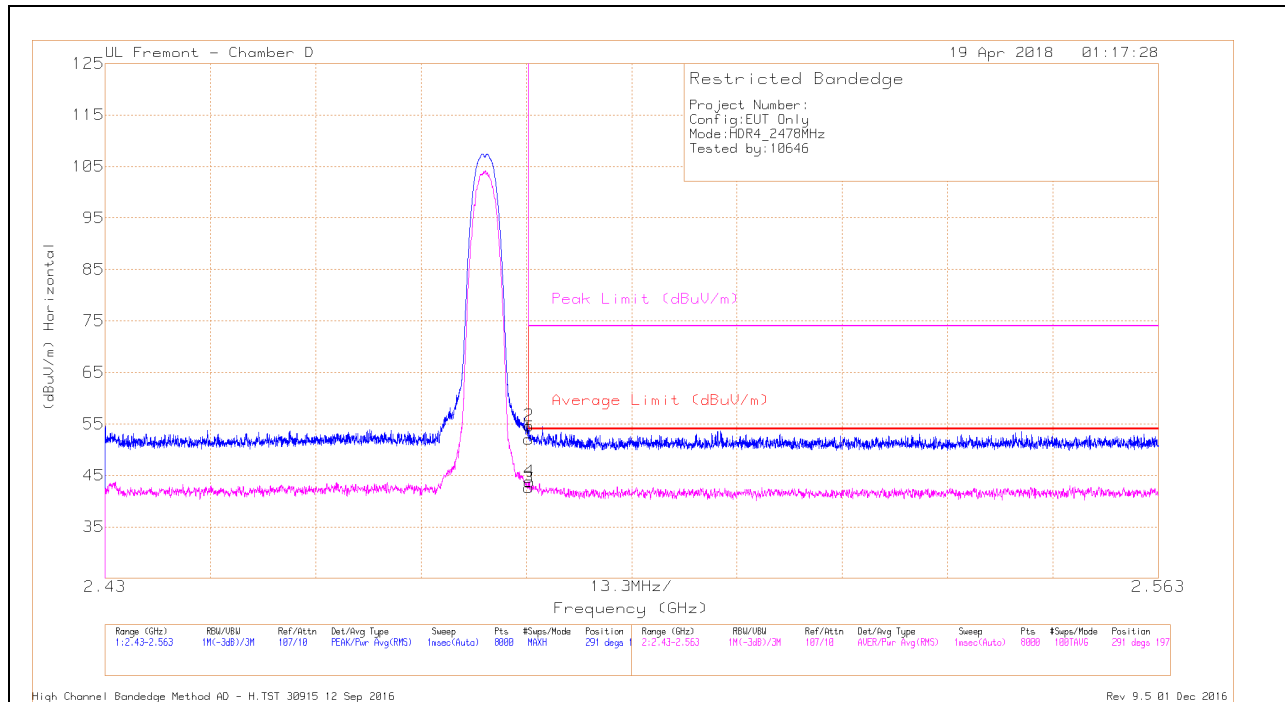
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



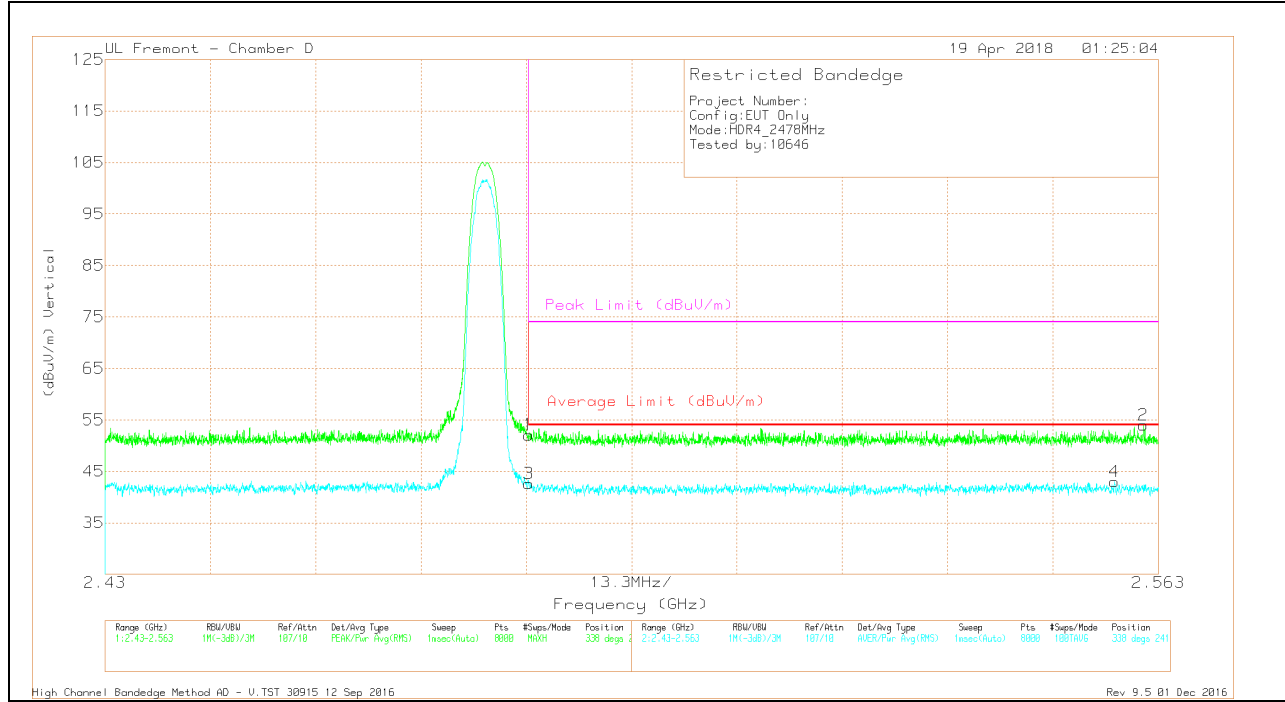
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filter/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.06	Pk	32.4	-20.4	52.06	-	-	74	-21.94	291	197	H
2	* 2.484	42.72	Pk	32.4	-20.5	54.62	-	-	74	-19.38	291	197	H
3	* 2.484	30.61	RMS	32.4	-20.4	42.61	54	-11.39	-	-	291	197	H
4	* 2.484	31.9	RMS	32.4	-20.5	43.8	54	-10.2	-	-	291	197	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filter/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	40.06	Pk	32.4	-20.4	52.06	-	-	74	-21.94	338	241	V
3	* 2.484	30.63	RMS	32.4	-20.4	42.63	54	-11.37	-	-	338	241	V
4	2.557	30.79	RMS	32.5	-20.3	42.99	54	-11.01	-	-	338	241	V
2	2.561	41.88	Pk	32.5	-20.4	53.98	-	-	74	-20.02	338	241	V

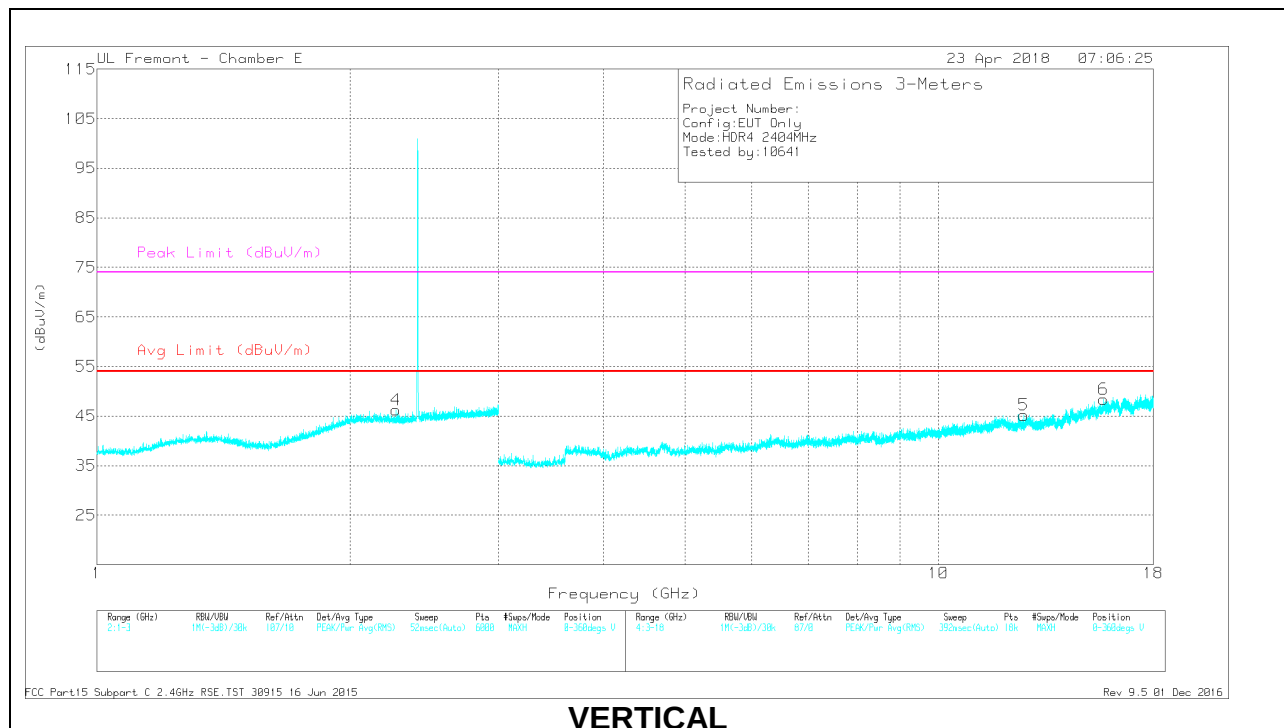
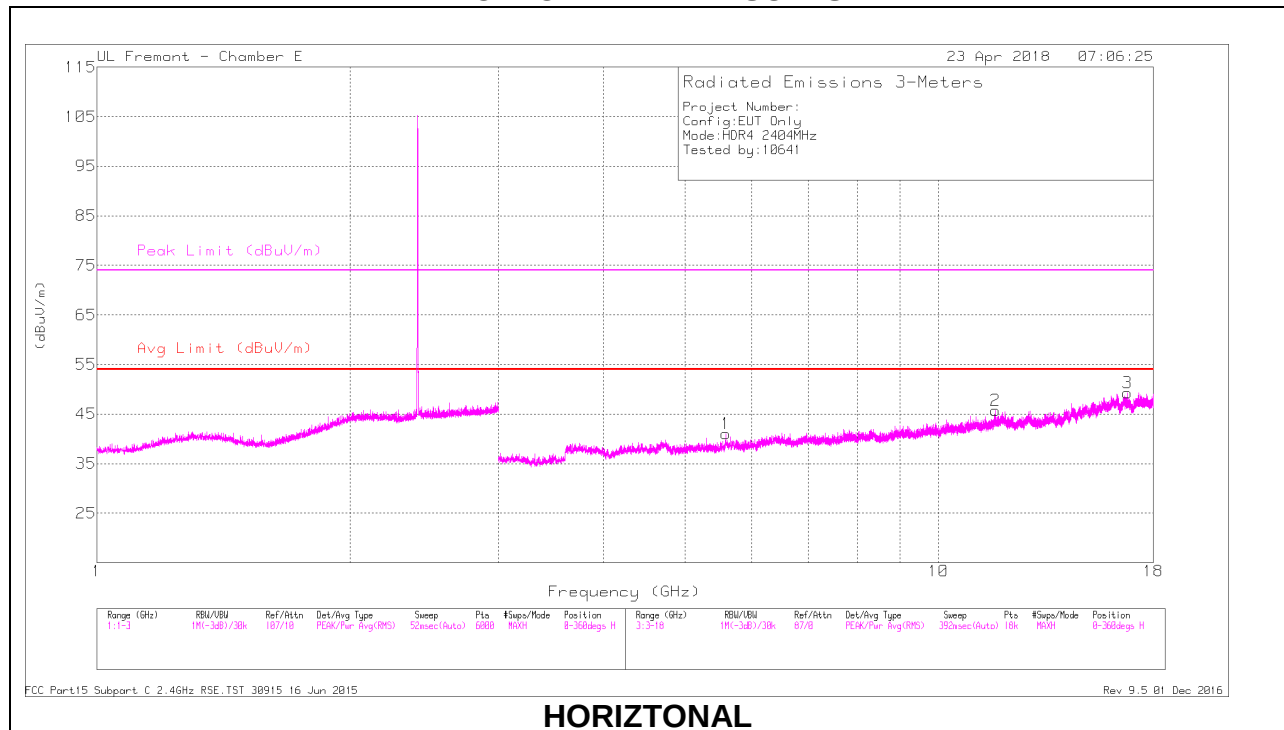
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

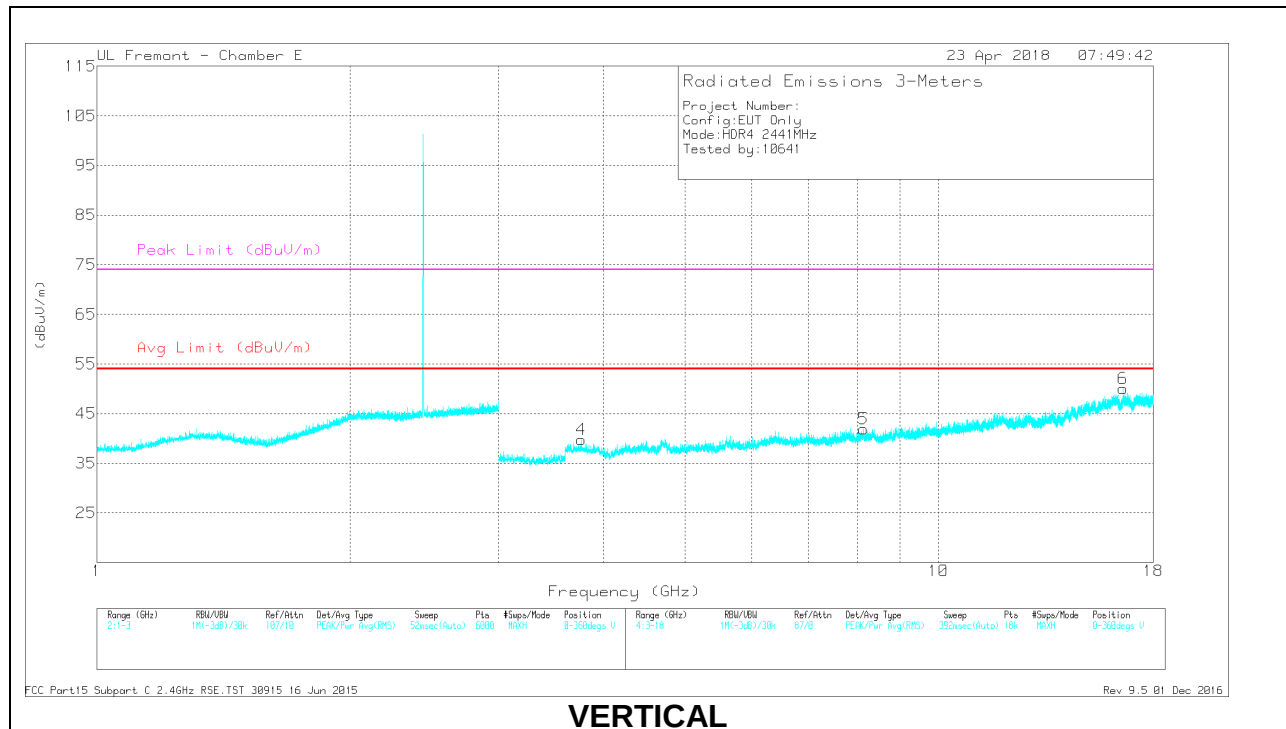
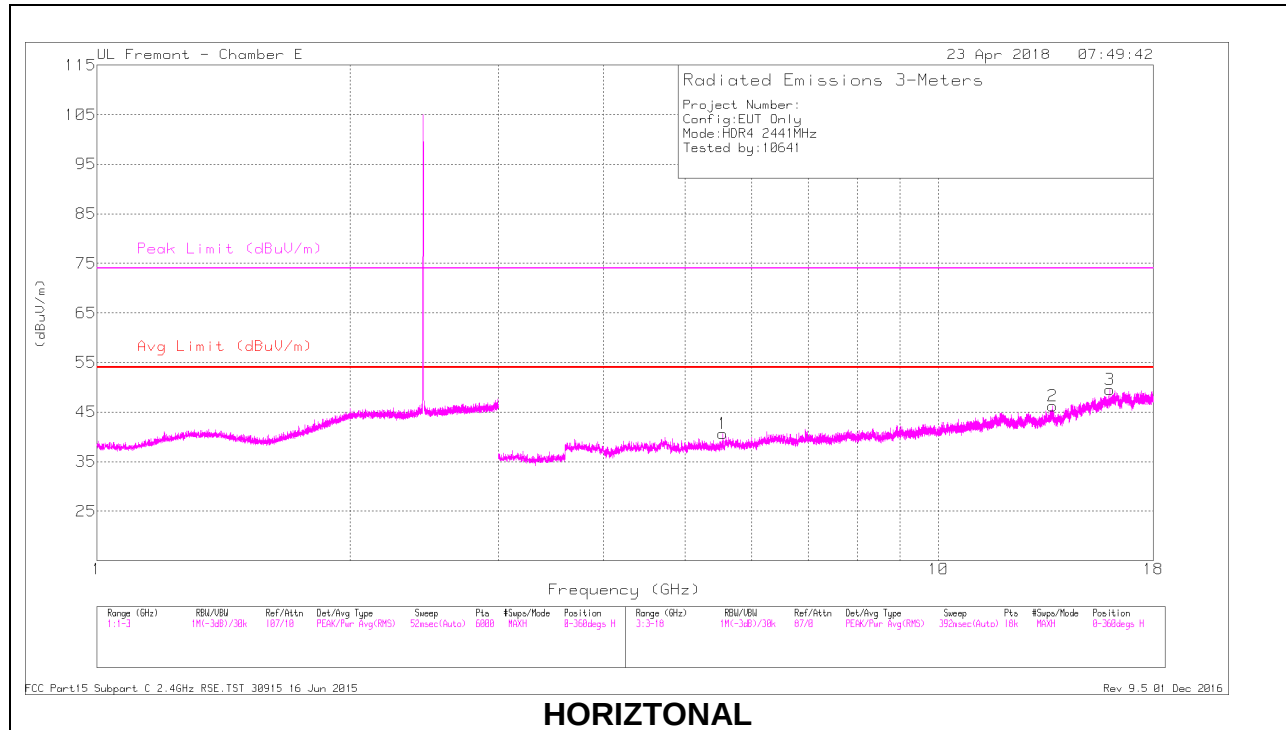
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 2.267	43.91	PK2	31.8	-23	52.71	-	-	74	-21.29	167	365	V
	* 2.272	30.46	MAv1	31.8	-22.9	39.36	54	-14.64	-	-	167	365	V
2	* 11.685	34.79	PK2	39.1	-22.1	51.79	-	-	74	-22.21	281	118	H
	* 11.688	21.81	MAv1	39.1	-22.2	38.71	54	-15.29	-	-	281	118	H
5	* 12.618	36.21	PK2	39.1	-24.3	51.01	-	-	74	-22.99	149	112	V
	* 12.623	23.7	MAv1	39.2	-24.4	38.5	54	-15.5	-	-	149	112	V
6	* 15.713	36.03	PK2	41.7	-22	55.73	-	-	74	-18.27	282	124	V
	* 15.709	23.05	MAv1	41.7	-21.8	42.95	54	-11.05	-	-	282	124	V
1	5.582	41.73	PK2	35	-28.6	48.13	-	-	-	-	37	400	H
3	16.776	35.58	PK2	41.8	-21.3	56.08	-	-	-	-	231	241	H

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS



RADIATED EMISSIONS

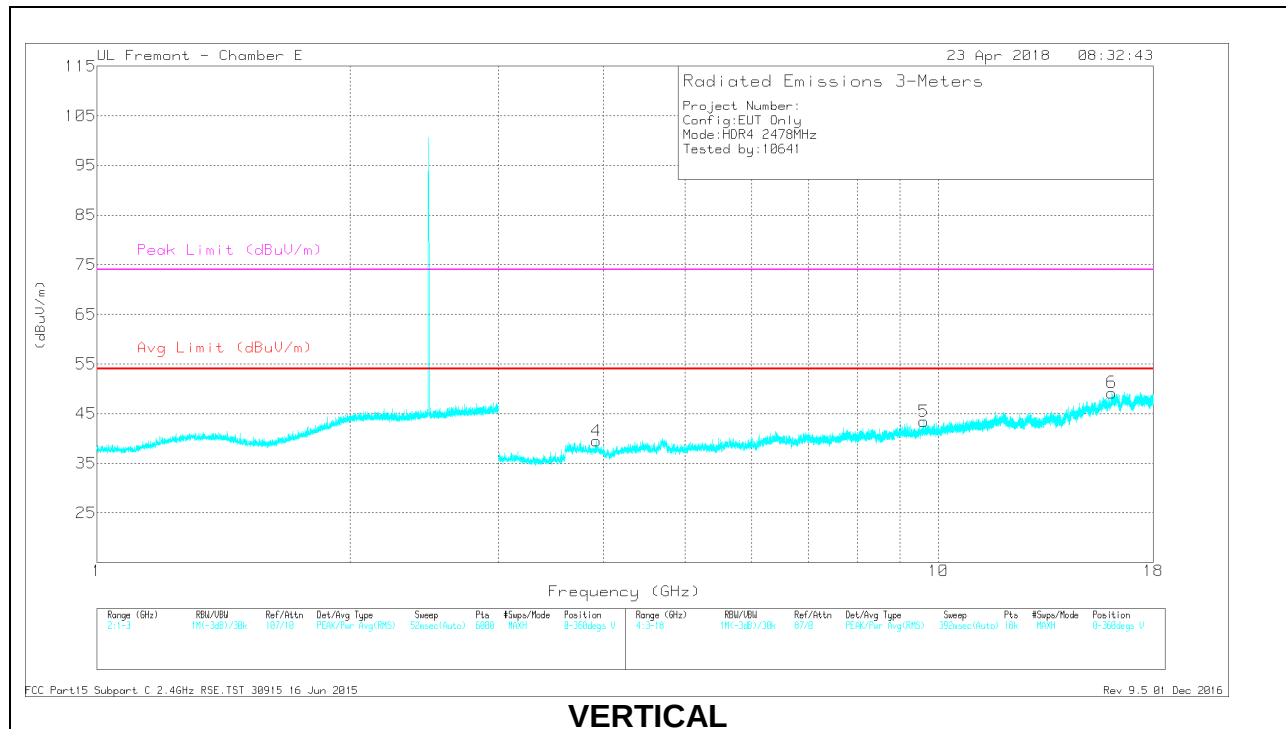
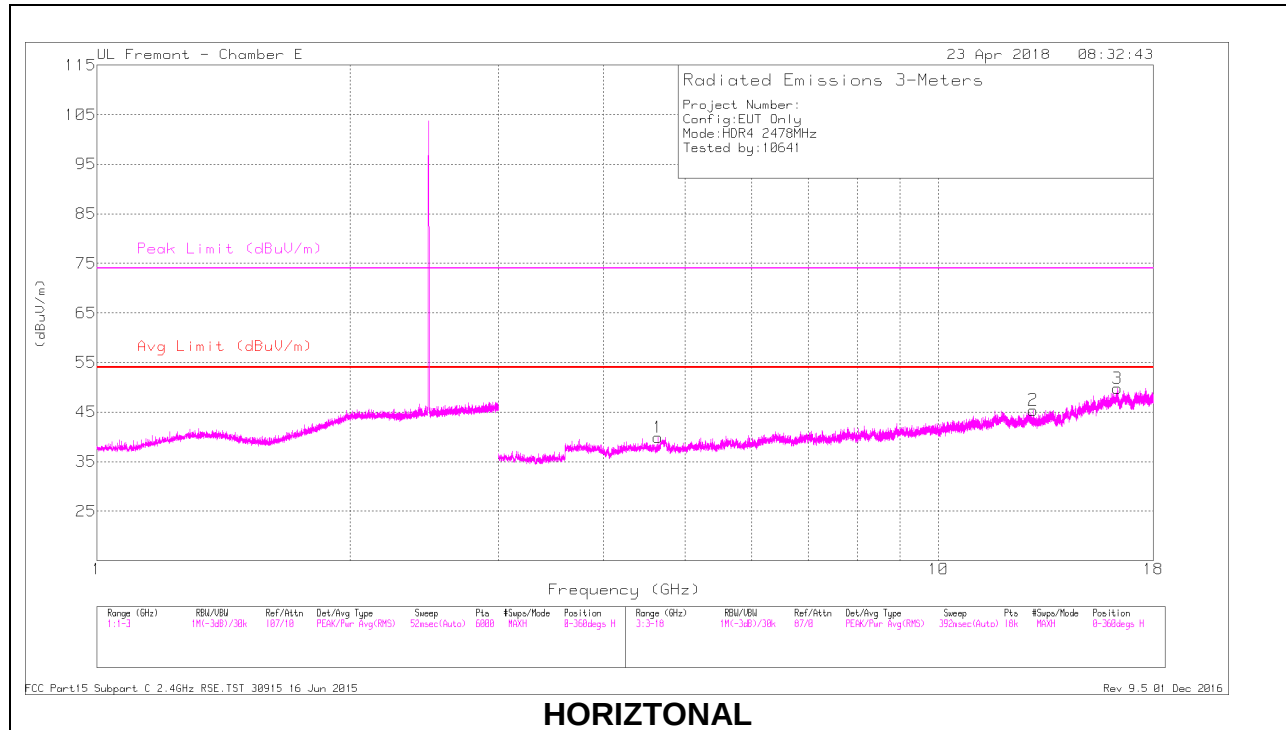
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* 15.99	35.73	PK2	41.7	-22.2	55.23	-	-	74	-18.77	270	216	H
	* 15.99	22.81	MAv1	41.7	-22.2	42.31	54	-11.69	-	-	270	216	H
4	* 3.759	41.27	PK2	33.6	-29.5	45.37	-	-	74	-28.63	233	154	V
	* 3.754	28.79	MAv1	33.6	-29.6	32.79	54	-21.21	-	-	233	154	V
5	* 8.151	38.71	PK2	36.5	-25.1	50.11	-	-	74	-23.89	247	310	V
	* 8.149	25.01	MAv1	36.5	-25.2	36.31	54	-17.69	-	-	247	310	V
1	5.54	40.8	PK2	35.1	-29.1	46.8	-	-	-	-	36	358	H
2	13.665	36.73	PK2	39.5	-23.5	52.73	-	-	-	-	319	242	H
6	16.568	34.59	PK2	41.7	-20.8	55.49	-	-	-	-	271	254	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.644	41.5	PK2	34.4	-30	45.9	-	-	74	-28.1	108	150	H
	* 4.646	29.44	MAv1	34.4	-29.9	33.94	54	-20.06	-	-	108	150	H
4	* 3.931	41.26	PK2	33.7	-28.9	46.06	-	-	74	-27.94	298	234	V
	* 3.921	28.85	MAv1	33.7	-29	33.55	54	-20.45	-	-	298	234	V
6	* 16.06	35.59	PK2	41.6	-21.9	55.29	-	-	74	-18.71	244	114	V
	* 16.059	22.71	MAv1	41.6	-22	42.31	54	-11.69	-	-	244	114	V
5	9.62	37.17	PK2	37.3	-24.2	50.27	-	-	-	-	174	165	V
2	12.952	35.56	PK2	39.4	-24	50.96	-	-	-	-	181	318	H
3	16.332	36	PK2	41.4	-21.3	56.1	-	-	-	-	228	200	H

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

PK2 - KDB558074 Method: Maximum Peak

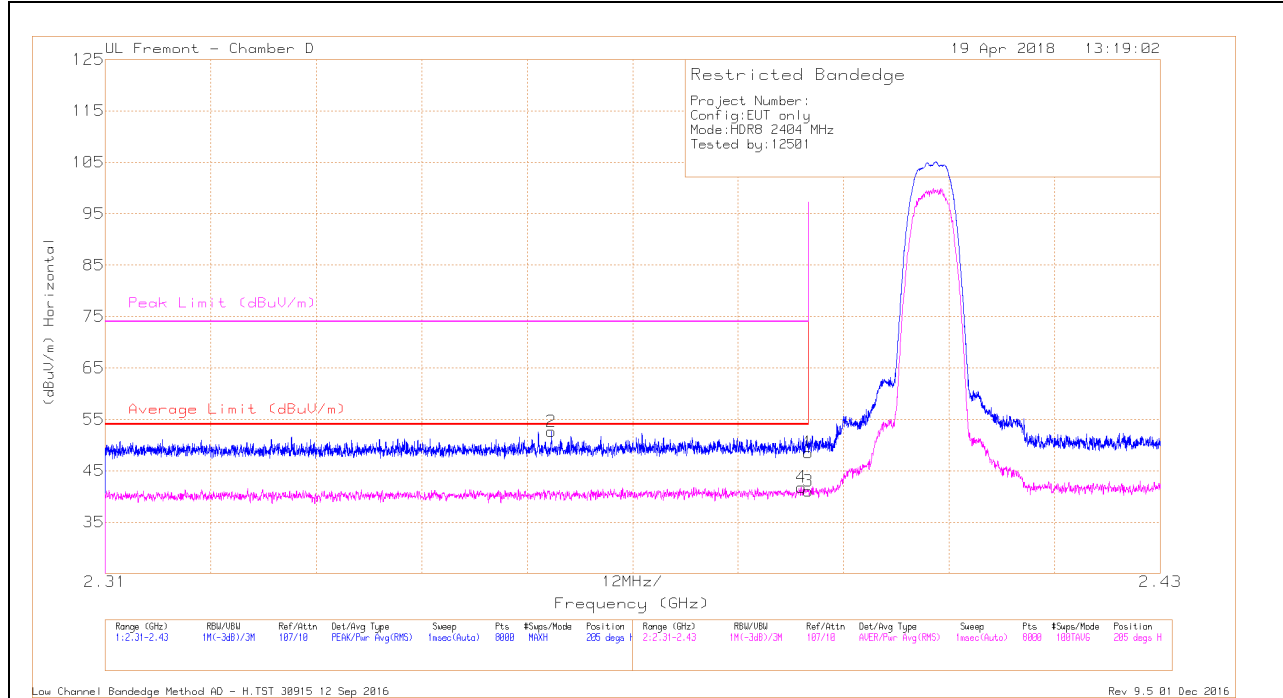
MAv1 - KDB558074 Option 1 Maximum RMS Average

9.2.2. HIGH POWER HDR8

Antenna 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



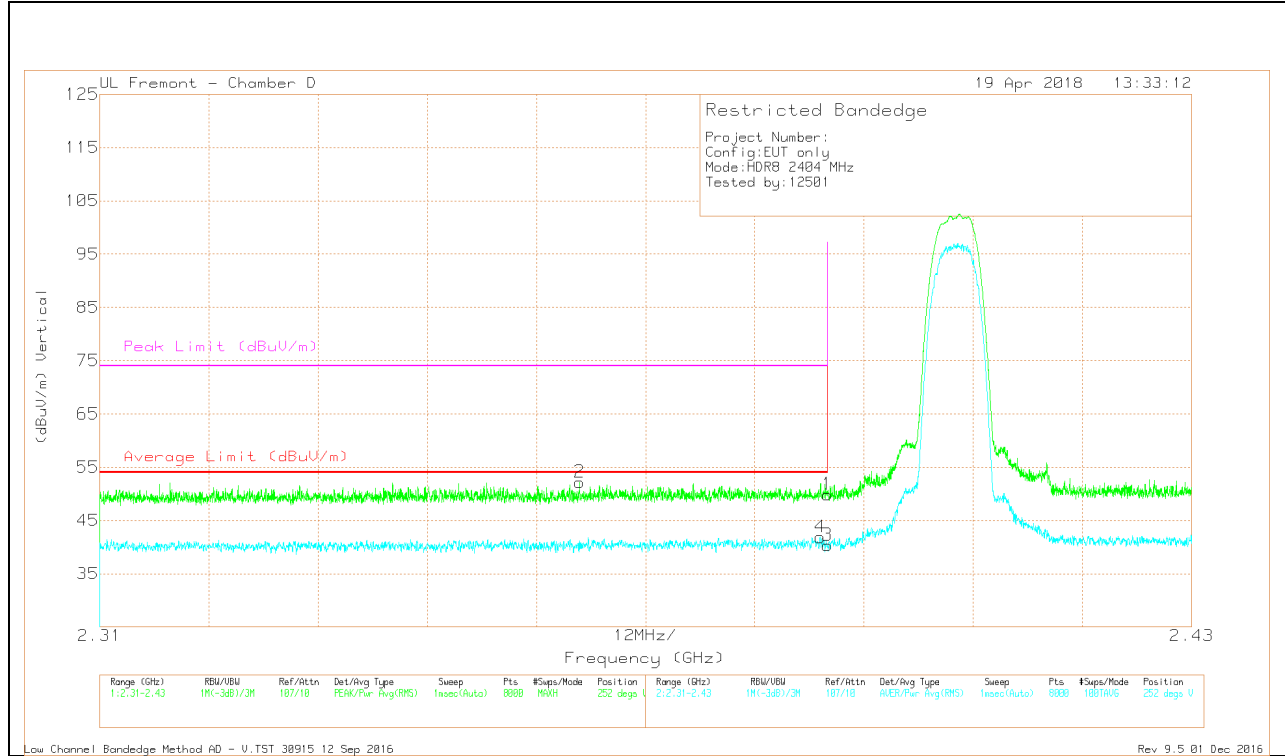
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	37.13	Pk	31.9	-20.5	48.53	-	-	74	-25.47	205	232	H
2	* 2.361	41.53	Pk	31.7	-20.6	52.63	-	-	74	-21.37	205	232	H
3	* 2.39	29.64	RMS	31.9	-20.5	41.04	54	-12.96	-	-	205	232	H
4	* 2.389	30.4	RMS	31.9	-20.5	41.8	54	-12.2	-	-	205	232	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filt/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.363	41.09	Pk	31.7	-20.6	52.19	-	-	74	-21.81	252	371	V
4	* 2.389	30.46	RMS	31.9	-20.5	41.86	54	-12.14	-	-	252	371	V
1	* 2.39	38.49	Pk	31.9	-20.5	49.89	-	-	74	-24.11	252	371	V
3	* 2.39	28.95	RMS	31.9	-20.5	40.35	54	-13.65	-	-	252	371	V

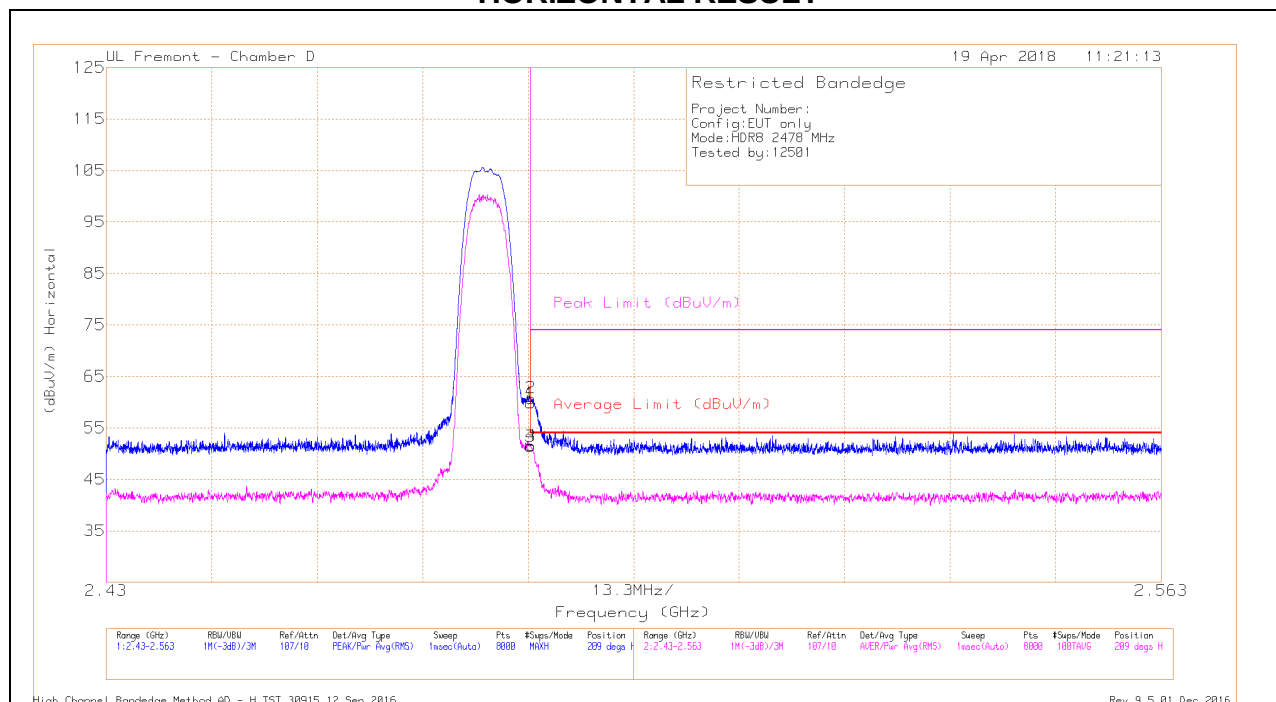
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



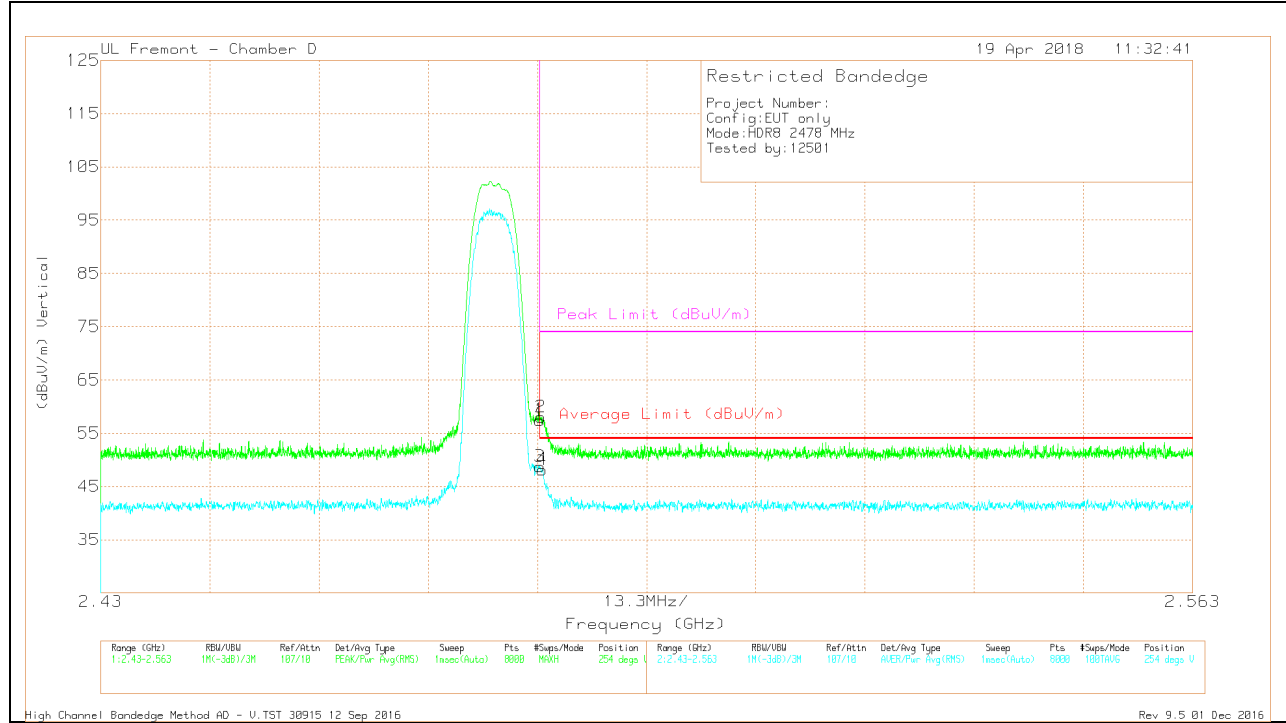
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/r/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	47.85	Pk	32.4	-20.4	59.85	-	-	74	-14.15	209	147	H
2	* 2.484	48.87	Pk	32.4	-20.5	60.77	-	-	74	-13.23	209	147	H
3	* 2.484	39.43	RMS	32.4	-20.4	51.43	54	-2.57	-	-	209	147	H
4	* 2.484	39.65	RMS	32.4	-20.5	51.55	54	-2.45	-	-	209	147	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fit r/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	45.46	Pk	32.4	-20.4	57.46	-	-	74	-16.54	254	243	V
2	* 2.484	46.1	Pk	32.4	-20.5	58	-	-	74	-16	254	243	V
3	* 2.484	36.71	RMS	32.4	-20.4	48.71	54	-5.29	-	-	254	243	V
4	* 2.484	36.25	RMS	32.4	-20.5	48.15	54	-5.85	-	-	254	243	V

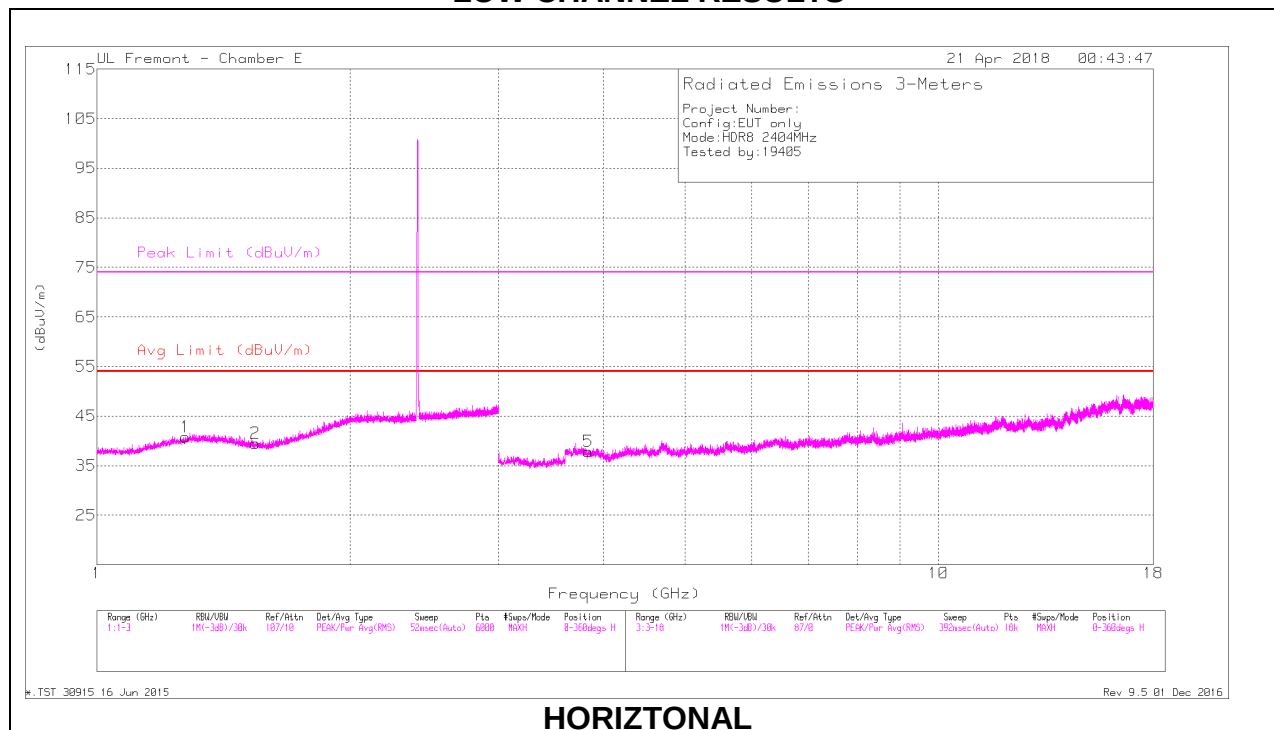
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

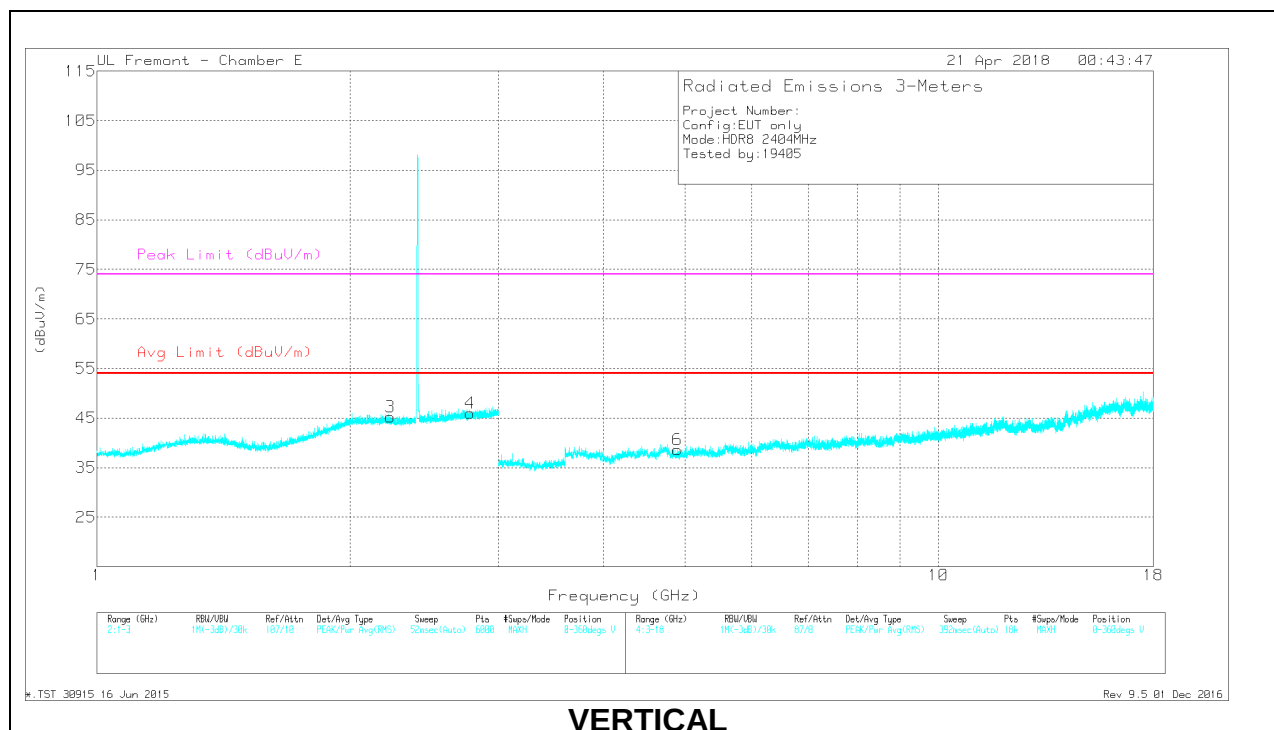
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

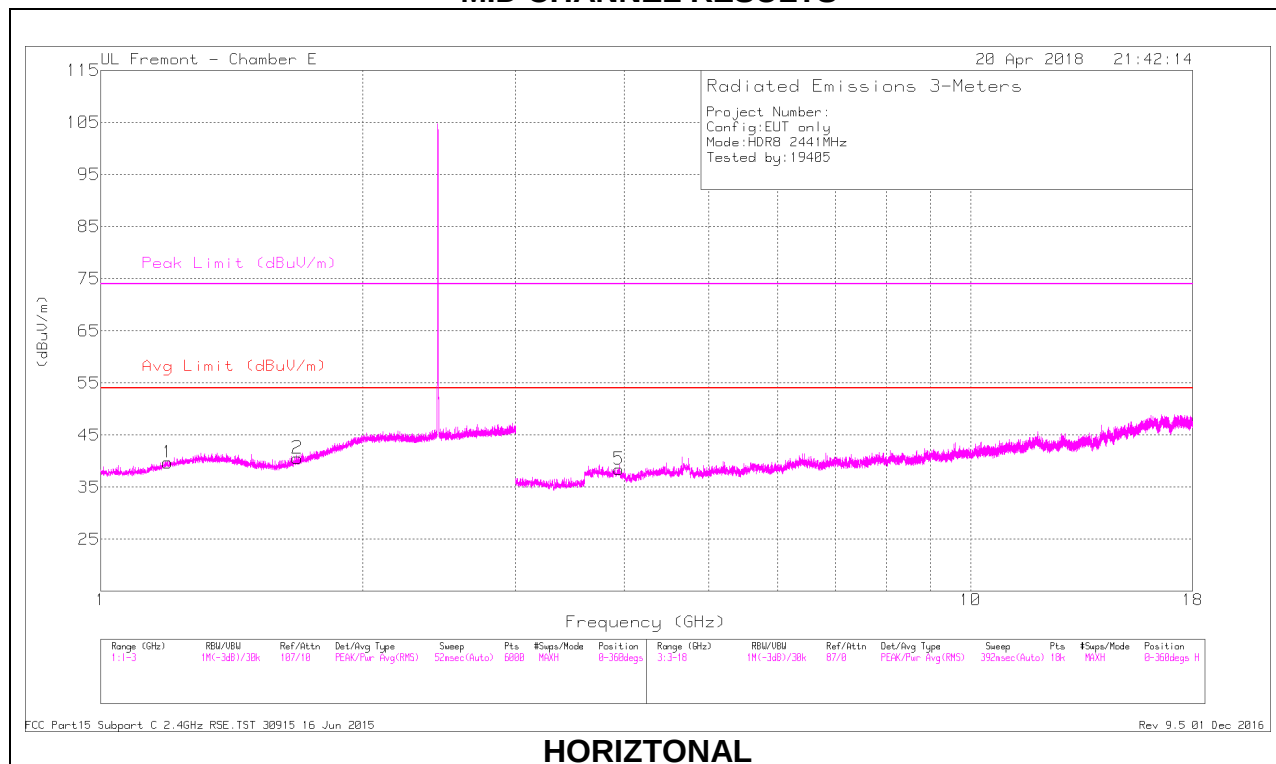
Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Fitr/ Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.276	44.67	PK2	28.7	-25.3	0	48.07	-	-	74	-25.93	338	212	H
	* 1.273	32.81	MAv1	28.7	-25.3	0	36.21	54	-17.79	-	-	338	212	H
2	* 1.544	44.43	PK2	27.4	-24.6	0	47.23	-	-	74	-26.77	298	176	H
	* 1.541	32.36	MAv1	27.4	-24.6	0	35.16	54	-18.84	-	-	298	176	H
3	* 2.234	43.45	PK2	31.9	-23	0	52.35	-	-	74	-21.65	224	149	V
	* 2.232	30.95	MAv1	32	-23	0	39.95	54	-14.05	-	-	224	149	V
4	* 2.775	43.92	PK2	32.6	-22	0	54.52	-	-	74	-19.48	248	271	V
	* 2.778	30.16	MAv1	32.6	-22	0	40.76	54	-13.24	-	-	248	271	V
5	* 3.836	43.15	PK2	33.7	-30.6	0	46.25	-	-	74	-27.75	72	198	H
	* 3.834	30.82	MAv1	33.7	-30.6	0	33.92	54	-20.08	-	-	72	198	H
6	* 4.894	41.3	PK2	34.5	-29.8	0	46	-	-	74	-28	129	165	V
	* 4.893	29.45	MAv1	34.5	-29.8	0	34.15	54	-19.85	-	-	129	165	V

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

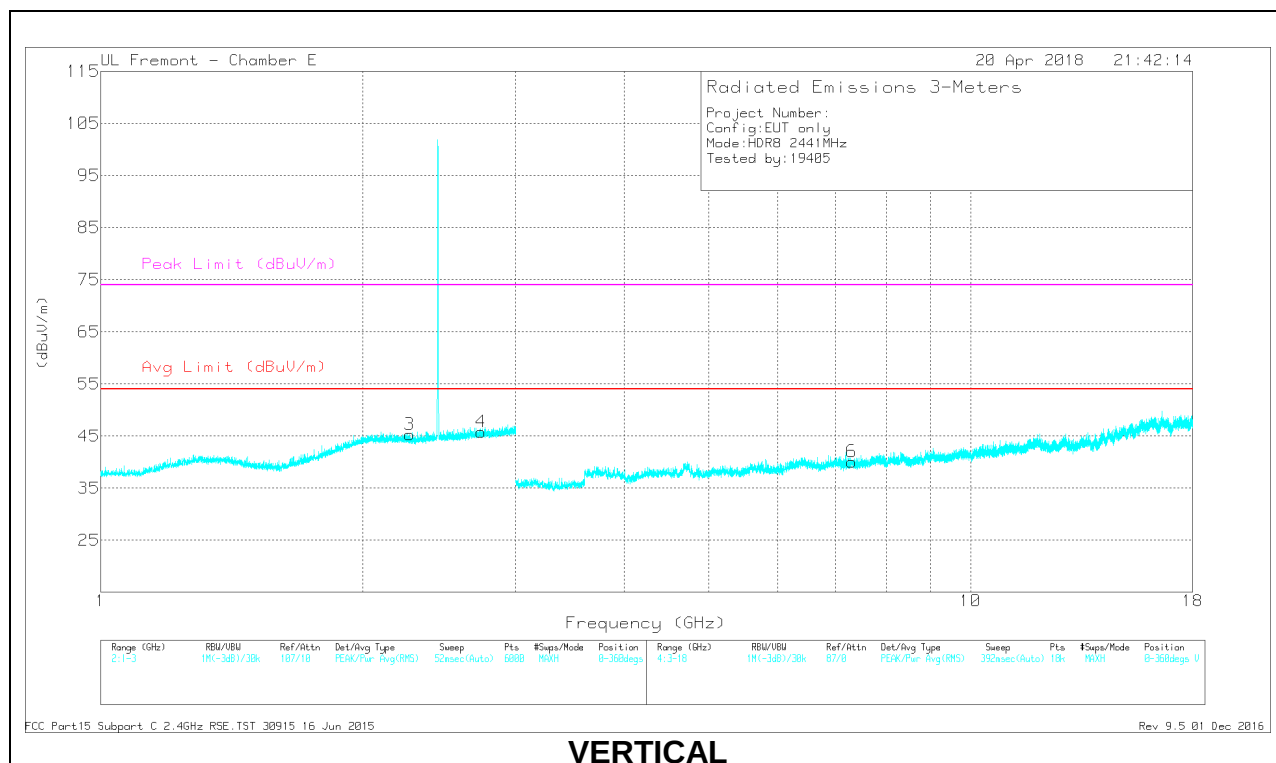
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

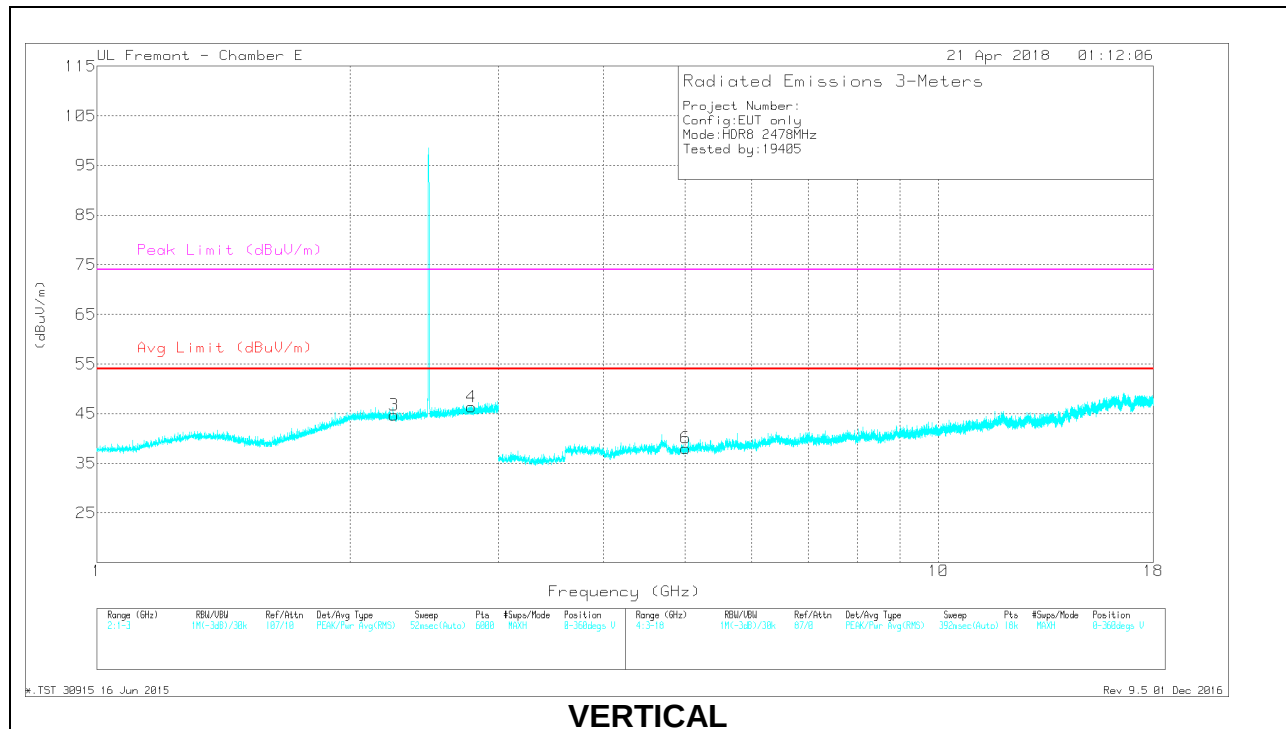
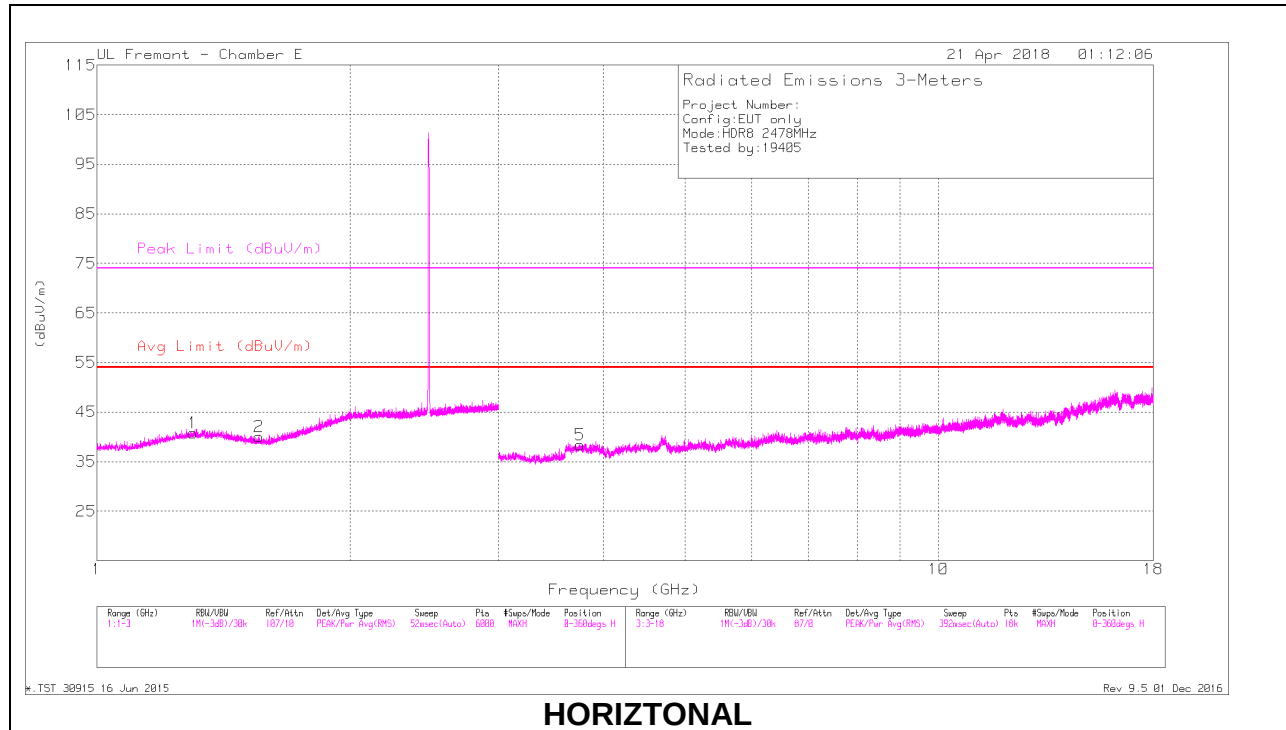
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cb/Filt/Pa d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.195	45.2	PK2	27.9	-25.5	0	47.6	-	-	74	-26.4	230	117	H
	* 1.195	33.06	MAv1	27.9	-25.5	0	35.46	54	-18.54	-	-	230	117	H
2	* 1.682	44.5	PK2	28.1	-24.3	0	48.3	-	-	74	-25.7	238	147	H
	* 1.684	31.9	MAv1	28.1	-24.2	0	35.8	54	-18.2	-	-	238	147	H
3	* 2.263	43.51	PK2	31.8	-23	0	52.31	-	-	74	-21.69	231	162	V
	* 2.264	31.04	MAv1	31.8	-23	0	39.84	54	-14.16	-	-	231	162	V
4	* 2.735	43.59	PK2	32.5	-22	0	54.09	-	-	74	-19.91	193	172	V
	* 2.738	30.02	MAv1	32.5	-22	0	40.52	54	-13.48	-	-	193	172	V
5	* 3.944	41	PK2	33.7	-28.9	0	45.8	-	-	74	-28.2	237	194	H
	* 3.945	29.52	MAv1	33.7	-29	0	34.22	54	-19.78	-	-	237	194	H
6	* 7.298	38.4	PK2	36	-26.1	0	48.3	-	-	74	-25.7	307	211	V
	* 7.297	25.98	MAv1	36	-26.1	0	35.88	54	-18.12	-	-	307	211	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (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	* 1.3	44.84	PK2	28.9	-25.3	0	48.44	-	-	74	-25.56	46	182	H
	* 1.301	32.83	MAv1	28.9	-25.3	0	36.43	54	-17.57	-	-	46	182	H
2	* 1.558	44.4	PK2	27.3	-24.5	0	47.2	-	-	74	-26.8	228	171	H
	* 1.556	32.25	MAv1	27.4	-24.6	0	35.05	54	-18.95	-	-	228	171	H
3	* 2.255	43.51	PK2	31.9	-22.9	0	52.51	-	-	74	-21.49	193	266	V
	* 2.254	30.9	MAv1	31.9	-22.9	0	39.9	54	-14.1	-	-	193	266	V
4	* 2.787	42.83	PK2	32.6	-21.9	0	53.53	-	-	74	-20.47	146	251	V
	* 2.788	30.02	MAv1	32.6	-22	0	40.62	54	-13.38	-	-	146	251	V
5	* 3.753	41.81	PK2	33.6	-29.5	0	45.91	-	-	74	-28.09	311	172	H
	* 3.753	29.88	MAv1	33.6	-29.5	0	33.98	54	-20.02	-	-	311	172	H
6	* 5.005	40.68	PK2	34.5	-29.6	0	45.58	-	-	74	-28.42	265	118	V
	* 5.004	29.32	MAv1	34.5	-29.5	0	34.32	54	-19.68	-	-	265	118	V

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

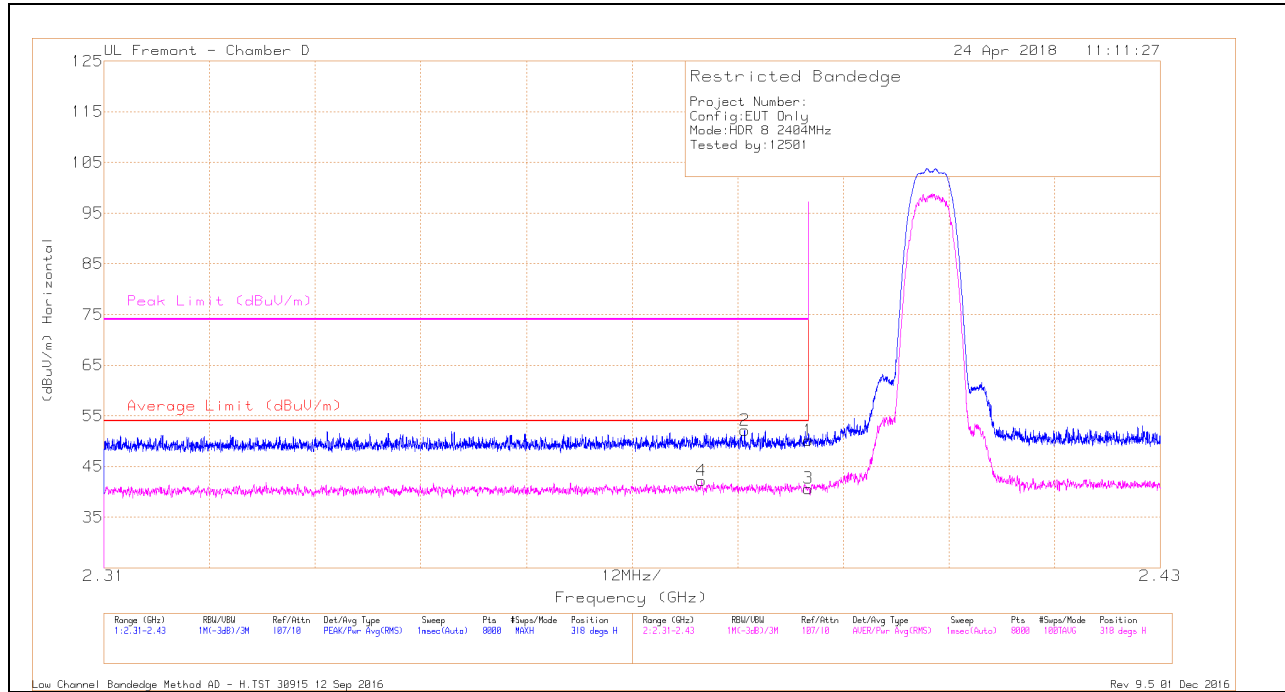
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

Antenna 3

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



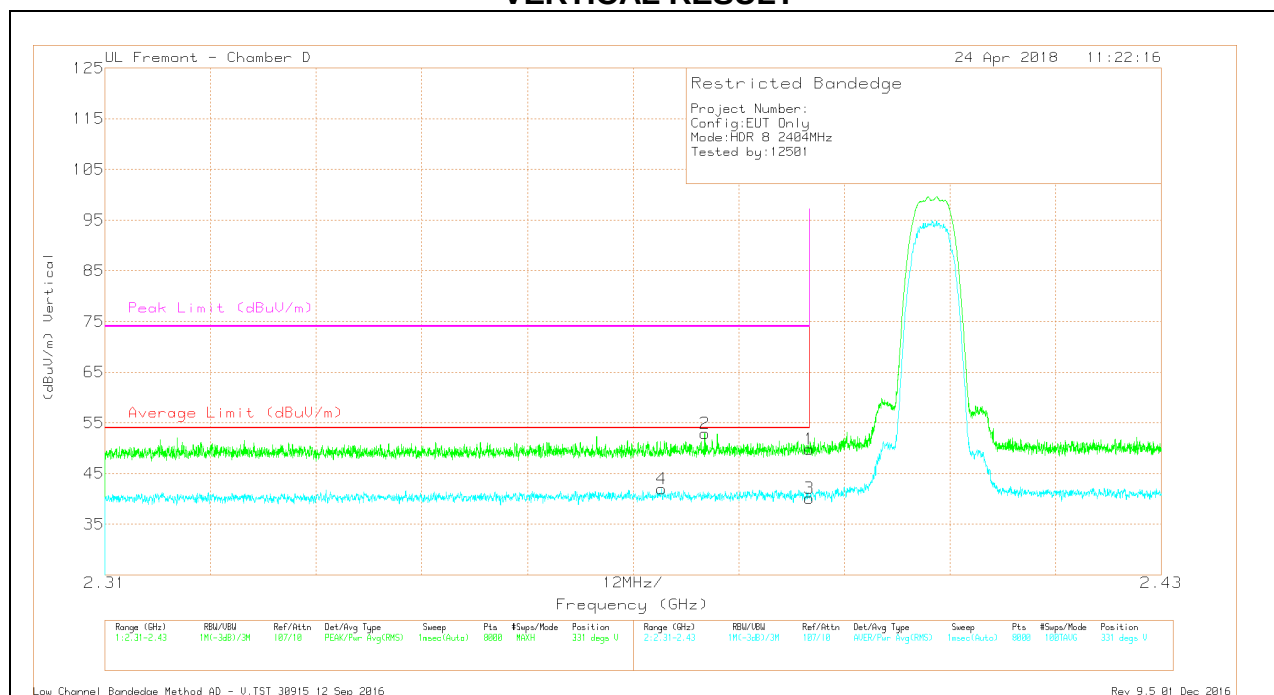
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	38.74	Pk	31.9	-20.5	50.14	-	-	74	-23.86	318	109	H
2	* 2.383	40.83	Pk	31.8	-20.5	52.13	-	-	74	-21.87	318	109	H
3	* 2.39	29.27	RMS	31.9	-20.5	40.67	54	-13.33	-	-	318	109	H
4	* 2.378	30.77	RMS	31.8	-20.4	42.17	54	-11.83	-	-	318	109	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/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	* 2.39	38.38	Pk	31.9	-20.5	49.78	-	-	74	-24.22	331	391	V
2	* 2.378	41.54	Pk	31.8	-20.4	52.94	-	-	74	-21.06	331	391	V
3	* 2.39	28.73	RMS	31.9	-20.5	40.13	54	-13.87	-	-	331	391	V
4	* 2.373	30.62	RMS	31.8	-20.5	41.92	54	-12.08	-	-	331	391	V

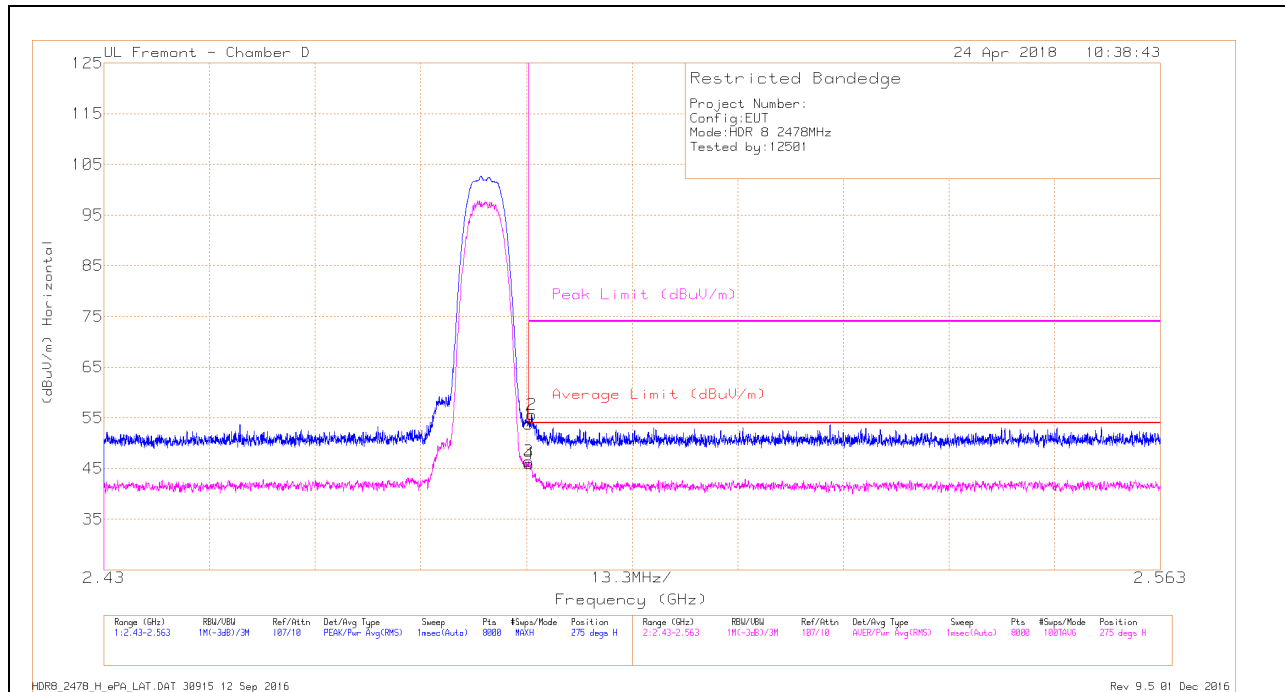
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



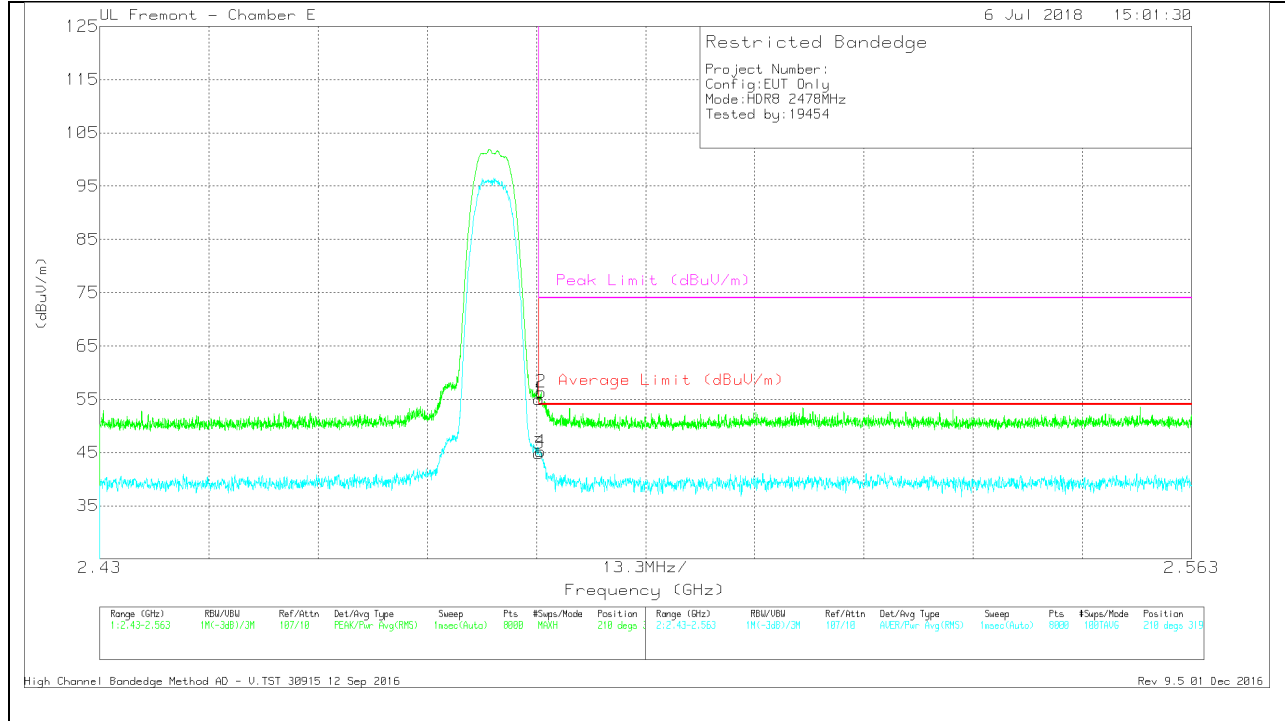
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filt/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	41.82	Pk	32.4	-20.4	53.82	-	-	74	-20.18	275	139	H
2	* 2.484	43.77	Pk	32.4	-20.5	55.67	-	-	74	-18.33	275	139	H
3	* 2.484	34.47	RMS	32.4	-20.4	46.47	54	-7.53	-	-	275	139	H
4	* 2.484	34.09	RMS	32.4	-20.5	45.99	54	-8.01	-	-	275	139	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (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	45.19	Pk	32.1	-22.3	54.99	-	-	74	-19.01	210	319	V
2	* 2.484	46.56	Pk	32.1	-22.3	56.36	-	-	74	-17.64	210	319	V
3	* 2.484	35.03	RMS	32.1	-22.3	44.83	54	-9.17	-	-	210	319	V
4	* 2.484	35.39	RMS	32.1	-22.3	45.19	54	-8.81	-	-	210	319	V

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

Pk - Peak detector

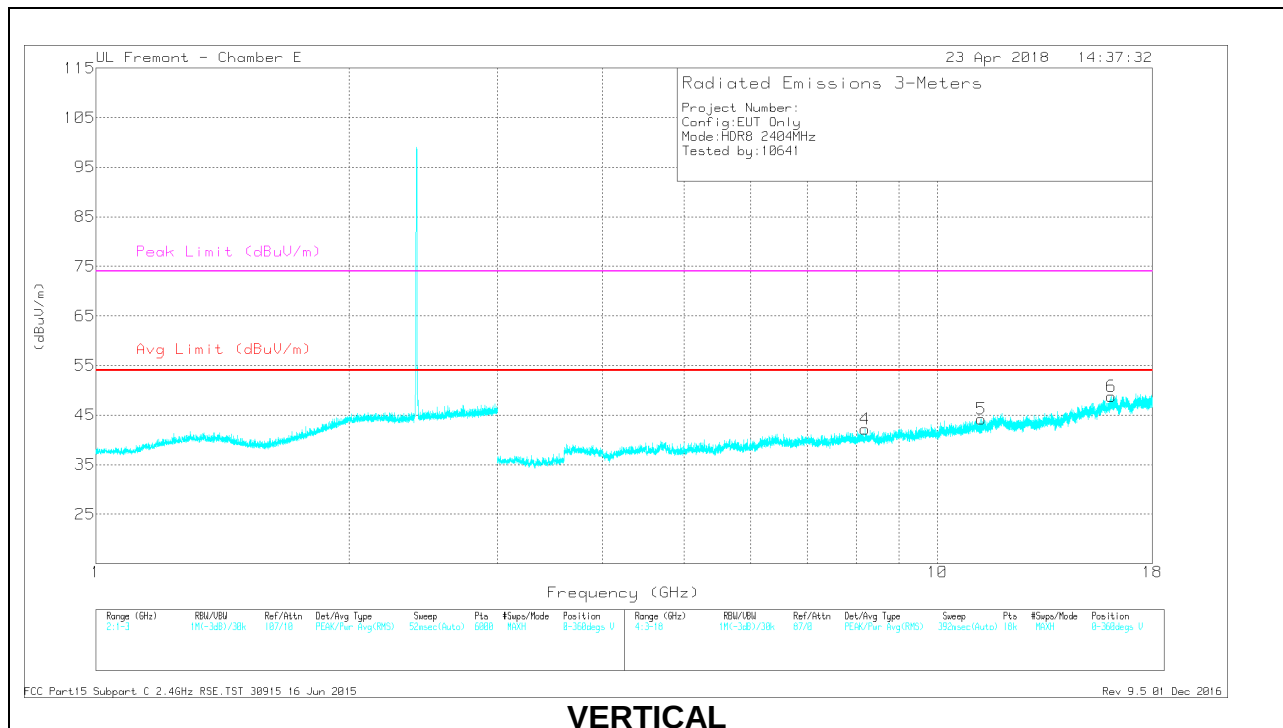
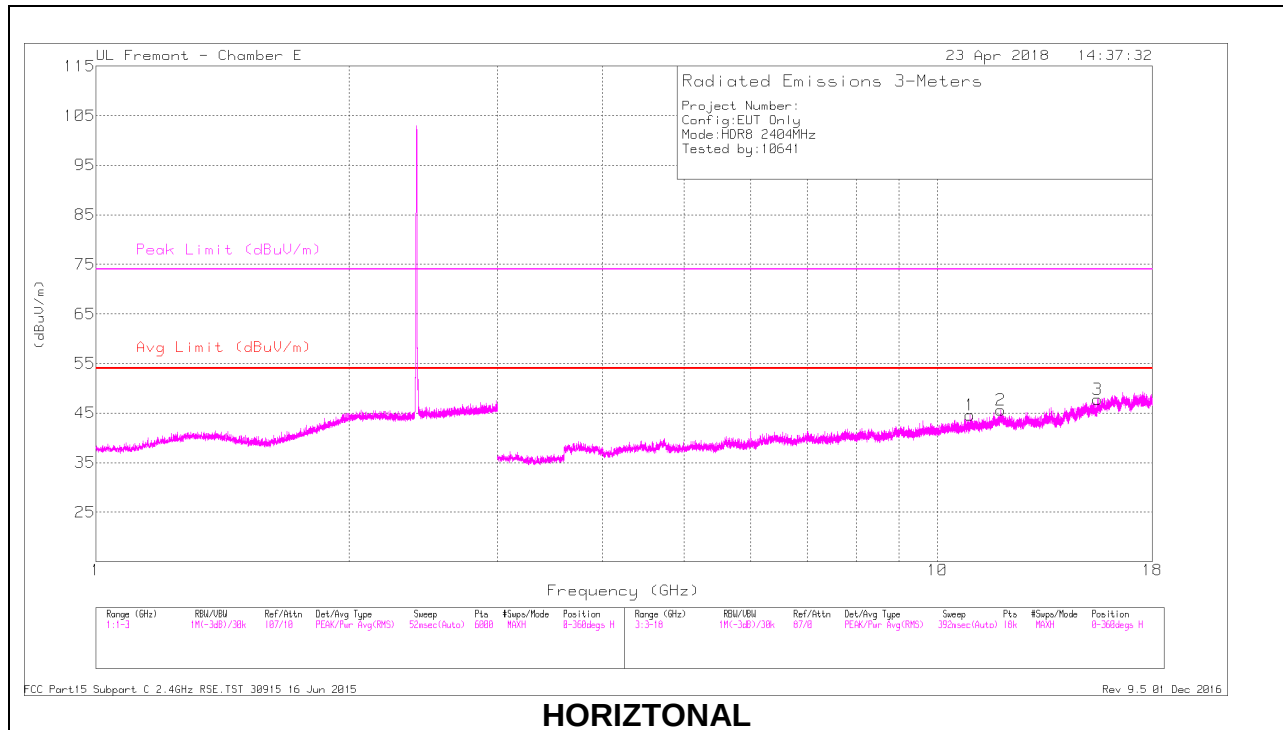
RMS - RMS detection

High Channel Bandedge Method AD - V.TST 30915 12 Sep 2016

Rev 9.5 01 Dec 2016

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

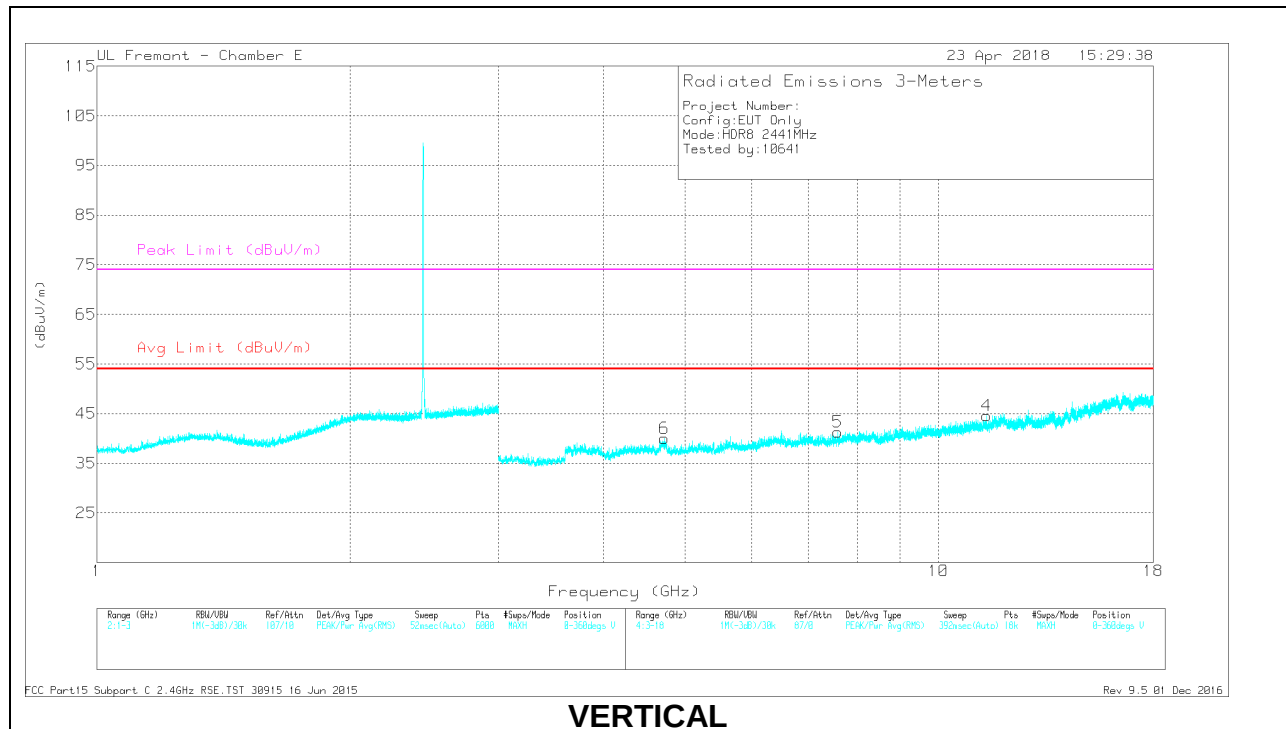
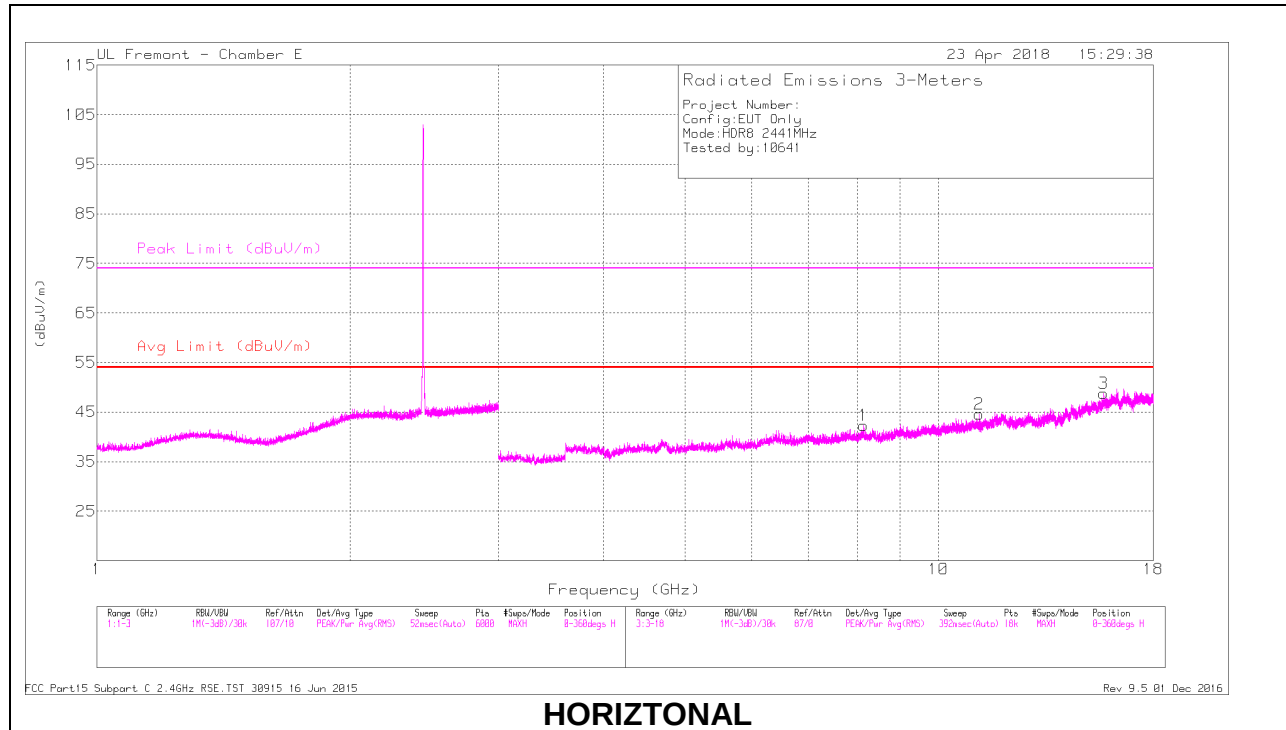
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 10.928	34.95	PK2	38.3	-22.7	50.55	-	-	74	-23.45	13	360	H
	* 10.926	21.66	MAv1	38.3	-22.7	37.26	54	-16.74	-	-	13	360	H
2	* 11.899	35.01	PK2	39.4	-22.3	52.11	-	-	74	-21.89	40	250	H
	* 11.897	21.82	MAv1	39.4	-22.4	38.82	54	-15.18	-	-	40	250	H
3	* 15.506	35	PK2	41	-21.4	54.6	-	-	74	-19.4	70	392	H
	* 15.505	21.85	MAv1	41.1	-21.4	41.55	54	-12.45	-	-	70	392	H
4	* 8.197	37.58	PK2	36.5	-25.6	48.48	-	-	74	-25.52	95	355	V
	* 8.199	25.3	MAv1	36.5	-25.6	36.2	54	-17.8	-	-	95	355	V
5	* 11.272	35.06	PK2	38.7	-23.2	50.56	-	-	74	-23.44	0	315	V
	* 11.273	21.71	MAv1	38.7	-23.2	37.21	54	-16.79	-	-	0	315	V
6	* 16.082	34.91	PK2	41.6	-21.3	55.21	-	-	74	-18.79	15	287	V
	* 16.085	21.97	MAv1	41.6	-21.3	42.27	54	-11.73	-	-	15	287	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS



RADIATED EMISSIONS

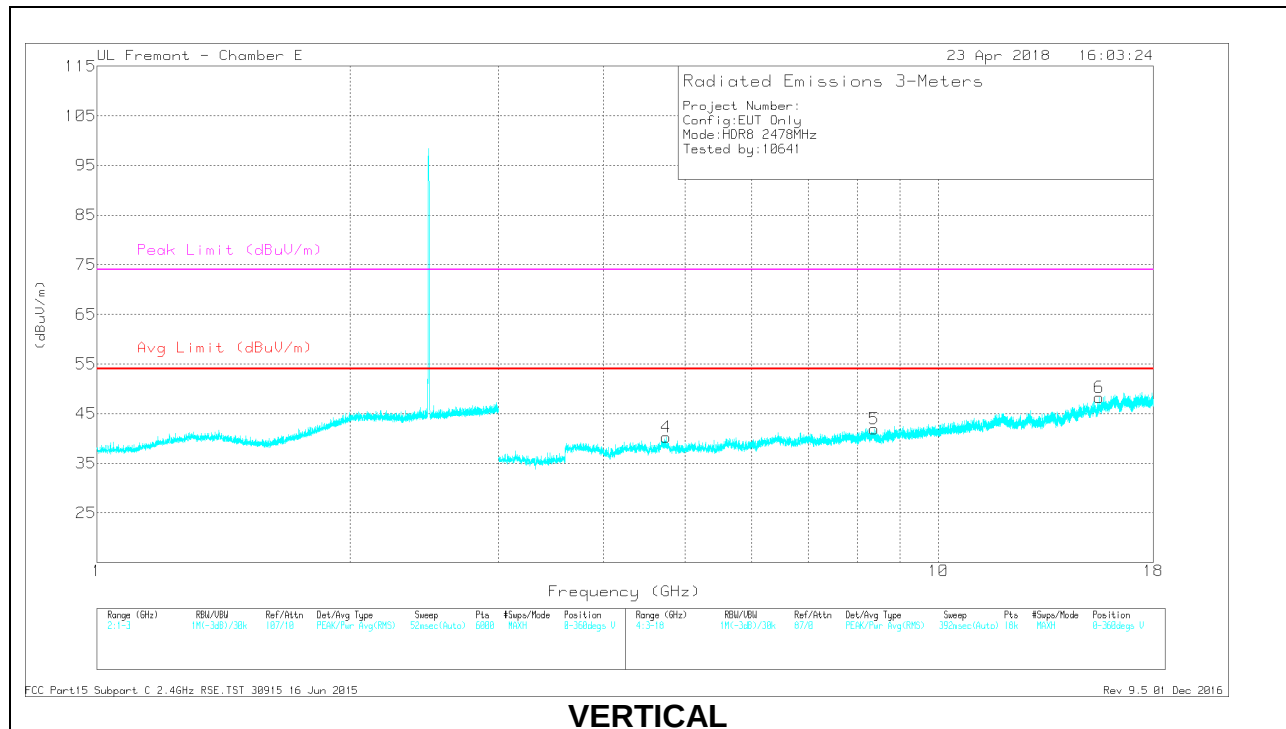
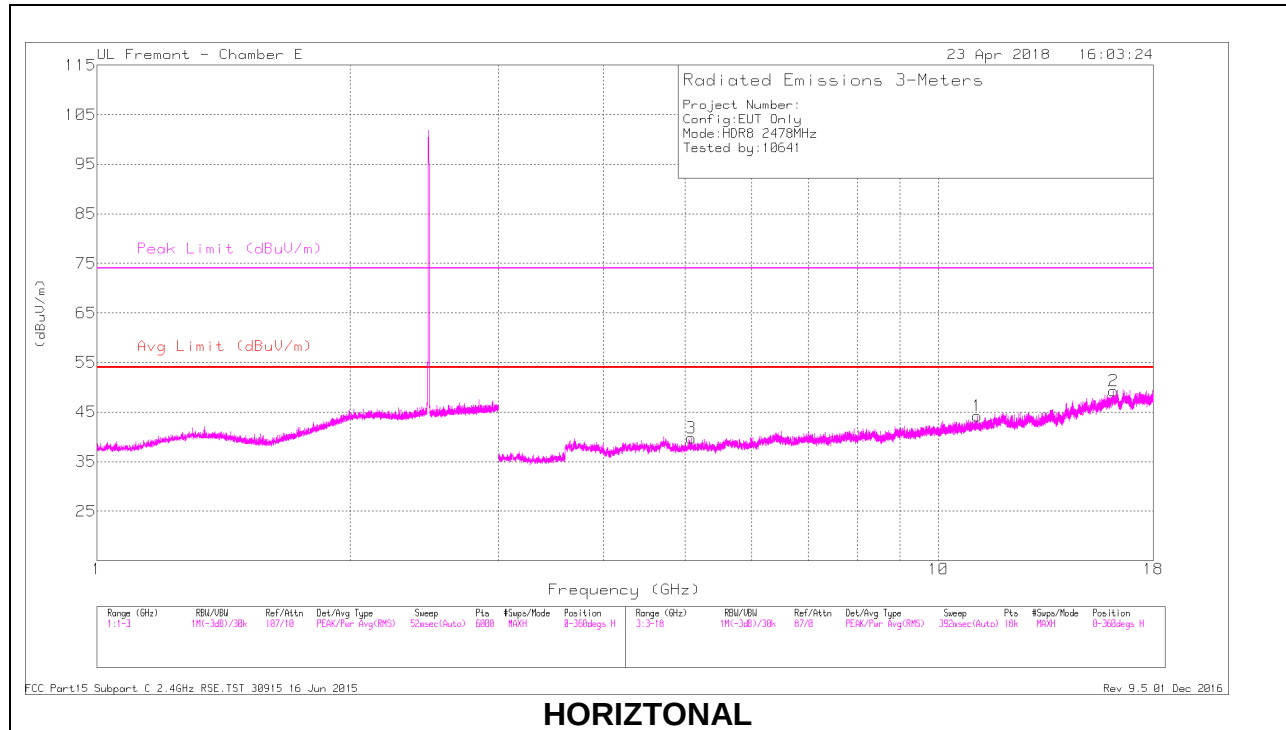
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 8.151	38.15	PK2	36.5	-25.2	49.45	-	-	74	-24.55	328	221	H
	* 8.15	25.39	MAv1	36.5	-25.1	36.79	54	-17.21	-	-	328	221	H
2	* 11.18	35.2	PK2	38.5	-22.9	50.8	-	-	74	-23.2	234	257	H
	* 11.18	22.38	MAv1	38.5	-22.9	37.98	54	-16.02	-	-	234	257	H
3	* 15.705	35.33	PK2	41.7	-21.7	55.33	-	-	74	-18.67	150	320	H
	* 15.708	23.27	MAv1	41.7	-21.8	43.17	54	-10.83	-	-	150	320	H
4	* 11.412	34.43	PK2	38.5	-22.3	50.63	-	-	74	-23.37	132	293	V
	* 11.413	22.1	MAv1	38.5	-22.3	38.3	54	-15.7	-	-	132	293	V
5	* 7.594	37.66	PK2	36.3	-25.7	48.26	-	-	74	-25.74	119	312	V
	* 7.592	25.79	MAv1	36.3	-25.7	36.39	54	-17.61	-	-	119	312	V
6	* 4.719	40.78	PK2	34.4	-28.4	46.78	-	-	74	-27.22	140	257	V
	* 4.72	29.37	MAv1	34.4	-28.4	35.37	54	-18.63	-	-	140	257	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (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	* 11.124	35.06	PK2	38.5	-22.8	50.76	-	-	74	-23.24	35	200	H
	* 11.124	22.32	MAv1	38.5	-22.8	38.02	54	-15.98	-	-	35	200	H
2	* 16.148	34.93	PK2	41.1	-20.4	55.63	-	-	74	-18.37	100	231	H
	* 16.147	22.78	MAv1	41.1	-20.4	43.48	54	-10.52	-	-	100	231	H
3	* 5.086	40.45	PK2	34.6	-28.9	46.15	-	-	74	-27.85	115	198	H
	* 5.088	28.84	MAv1	34.6	-28.9	34.54	54	-19.46	-	-	115	198	H
4	* 4.744	41.29	PK2	34.4	-28.6	47.09	-	-	74	-26.91	160	142	V
	* 4.744	29.86	MAv1	34.4	-28.6	35.66	54	-18.34	-	-	160	142	V
5	* 8.388	37.1	PK2	36.5	-24.8	48.8	-	-	74	-25.2	213	126	V
	* 8.388	24.96	MAv1	36.5	-24.8	36.66	54	-17.34	-	-	213	126	V
6	* 15.53	35.71	PK2	41	-21.6	55.11	-	-	74	-18.89	231	263	V
	* 15.527	23.15	MAv1	41	-21.6	42.55	54	-11.45	-	-	231	263	V

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

PK2 - KDB558074 Method: Maximum Peak

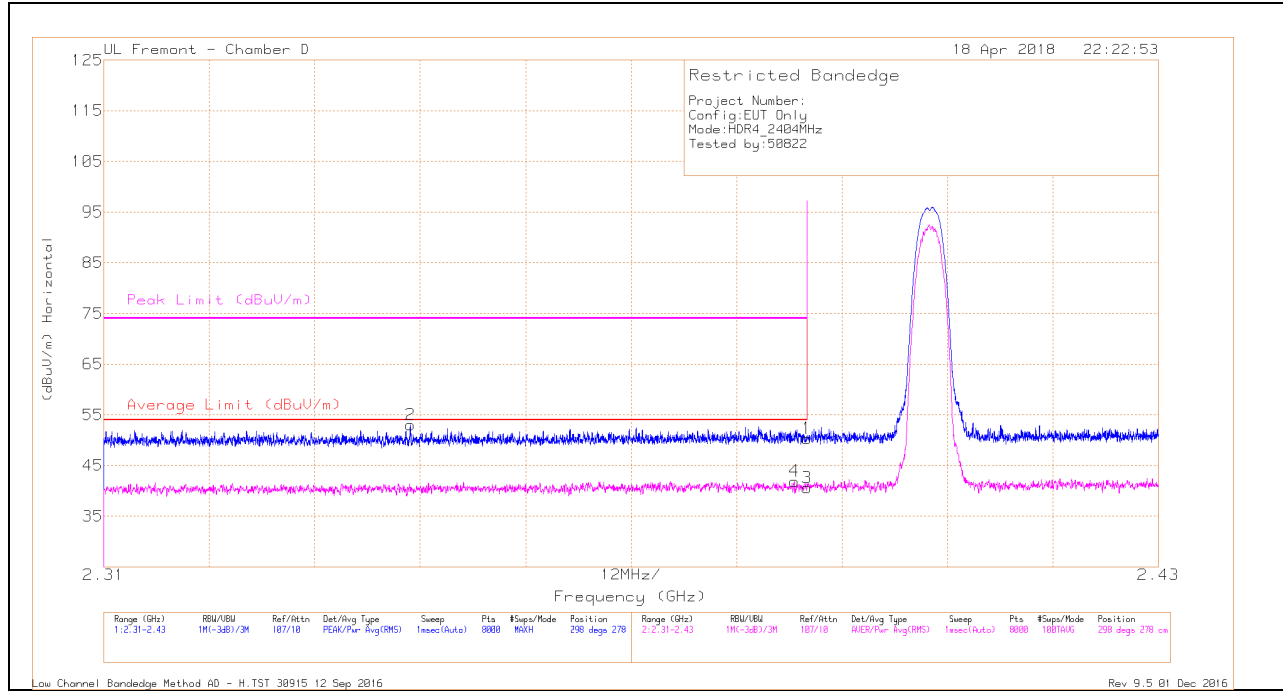
MAv1 - KDB558074 Option 1 Maximum RMS Average

9.2.3. LOW POWER HDR4

Antenna 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



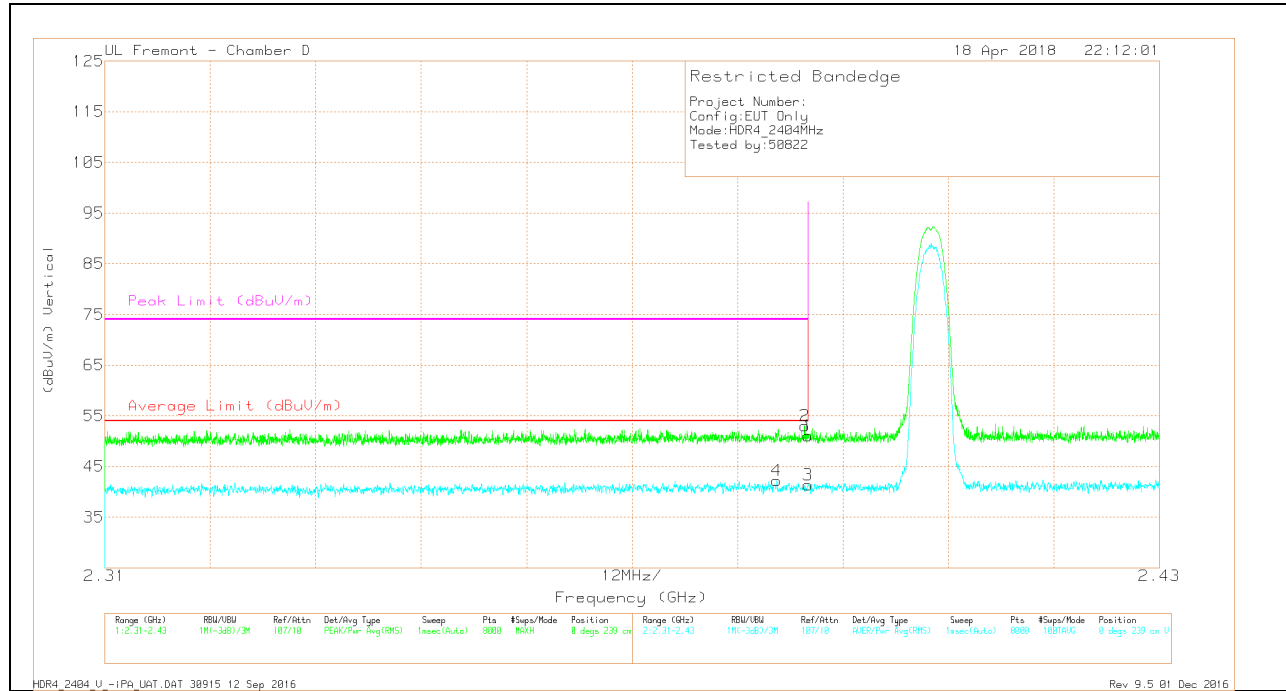
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	38.95	Pk	31.9	-20.5	50.35	-	-	74	-23.65	298	278	H
2	* 2.345	41.99	Pk	31.6	-20.6	52.99	-	-	74	-21.01	298	278	H
3	* 2.39	29.16	RMS	31.9	-20.5	40.56	54	-13.44	-	-	298	278	H
4	* 2.389	30.51	RMS	31.9	-20.5	41.91	54	-12.09	-	-	298	278	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/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	* 2.39	39.66	Pk	31.9	-20.5	51.06	-	-	74	-22.94	0	239	V
2	* 2.39	41.66	Pk	31.9	-20.5	53.06	-	-	74	-20.94	0	239	V
3	* 2.39	29.9	RMS	31.9	-20.5	41.3	54	-12.7	-	-	0	239	V
4	* 2.386	30.8	RMS	31.9	-20.5	42.2	54	-11.8	-	-	0	239	V

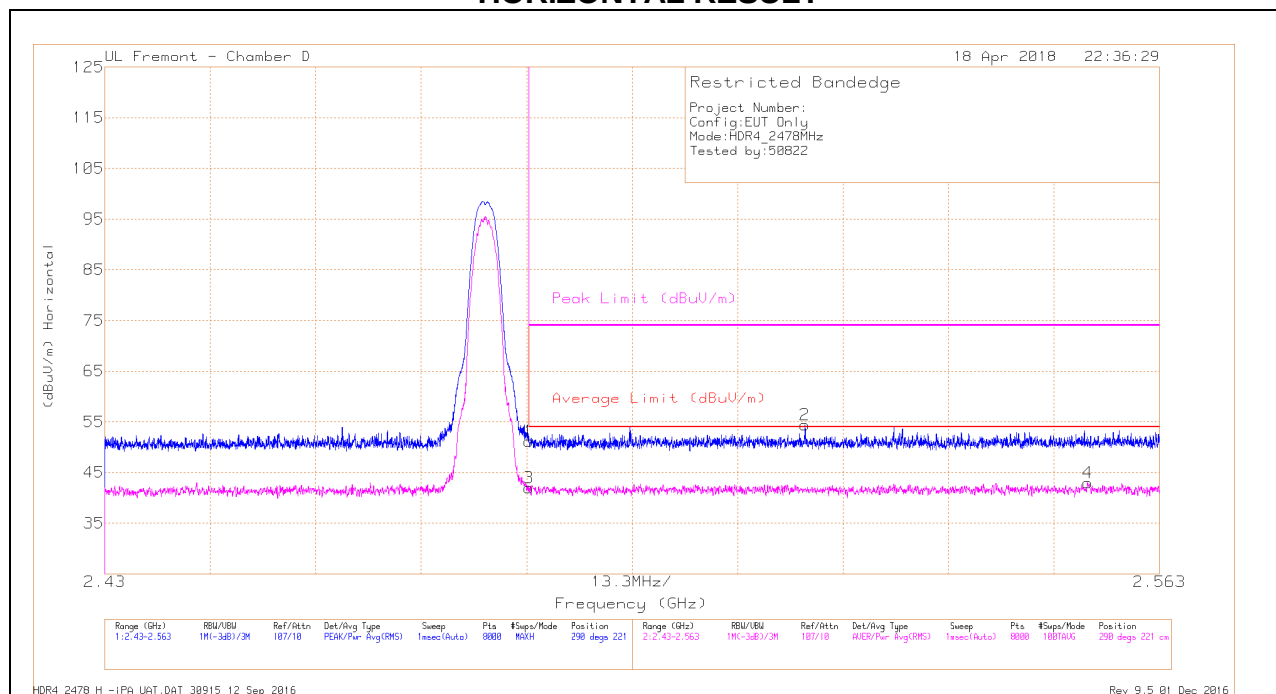
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



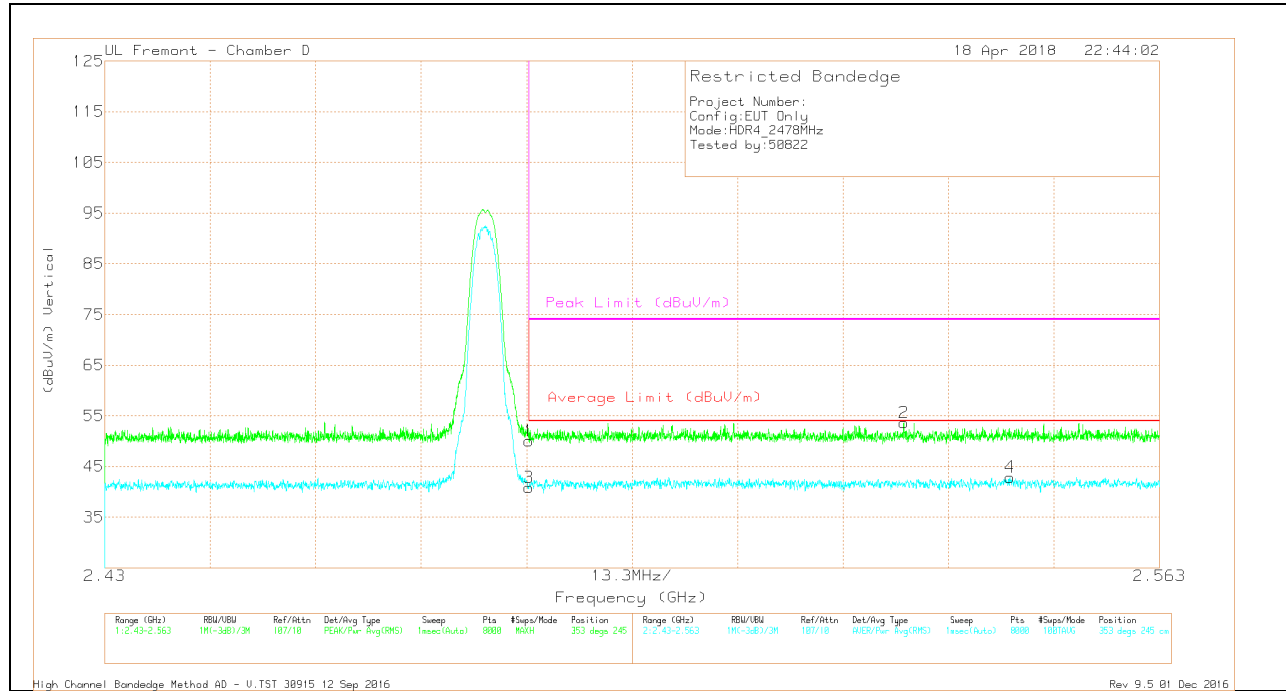
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1	* 2.484	39.14	Pk	32.4	-20.4	51.14	-	-	74	-22.86	290	221	H
3	* 2.484	29.97	RMS	32.4	-20.4	41.97	54	-12.03	-	-	290	221	H
2	2.518	42.43	Pk	32.4	-20.4	54.43	-	-	74	-19.57	290	221	H
4	2.554	30.82	RMS	32.5	-20.3	43.02	54	-10.98	-	-	290	221	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/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	38.06	Pk	32.4	-20.4	50.06	-	-	74	-23.94	353	245	V
3	* 2.484	28.87	RMS	32.4	-20.4	40.87	54	-13.13	-	-	353	245	V
2	2.531	41.5	Pk	32.4	-20.3	53.6	-	-	74	-20.4	353	245	V
4	2.544	30.8	RMS	32.4	-20.3	42.9	54	-11.1	-	-	353	245	V

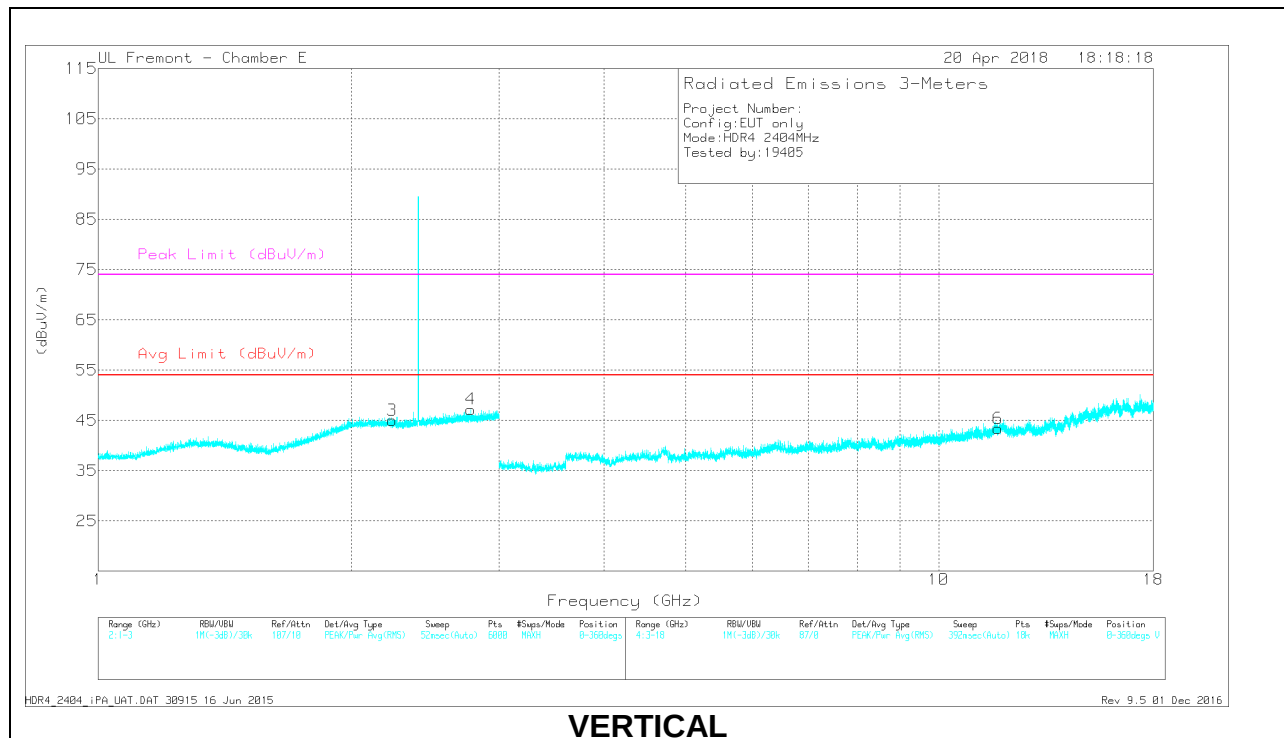
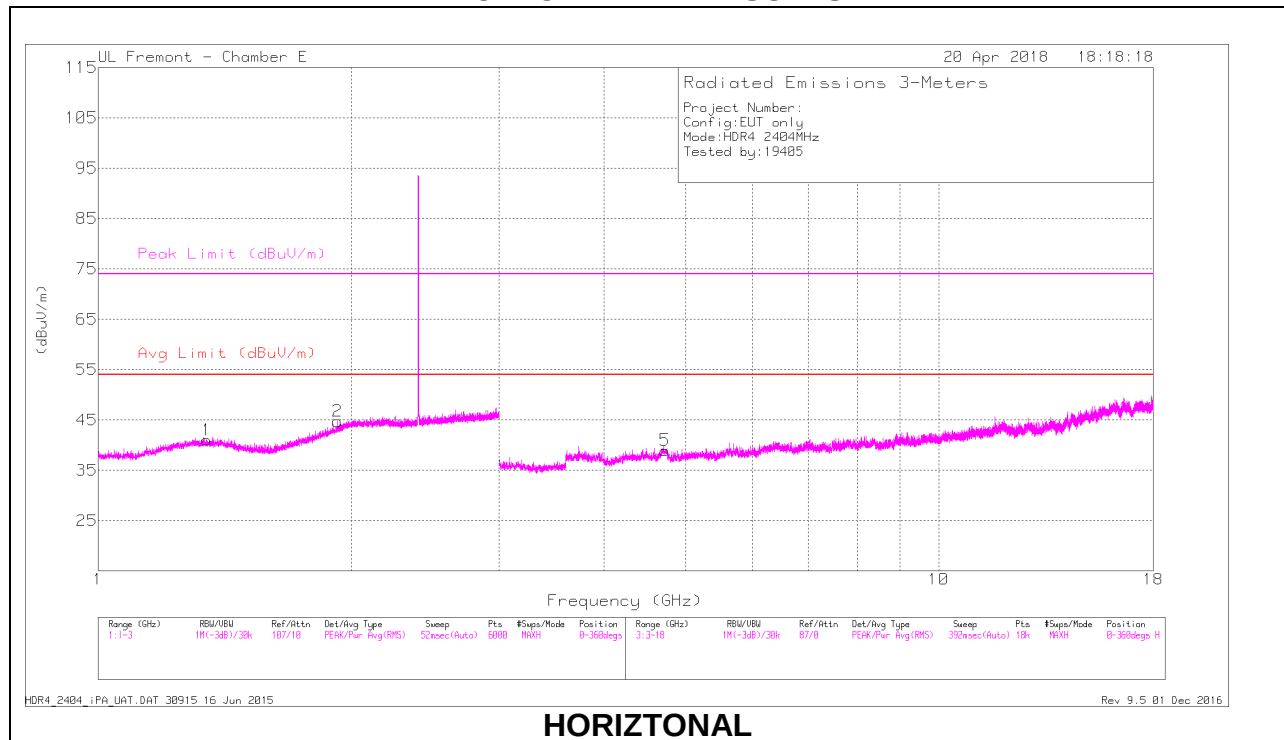
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

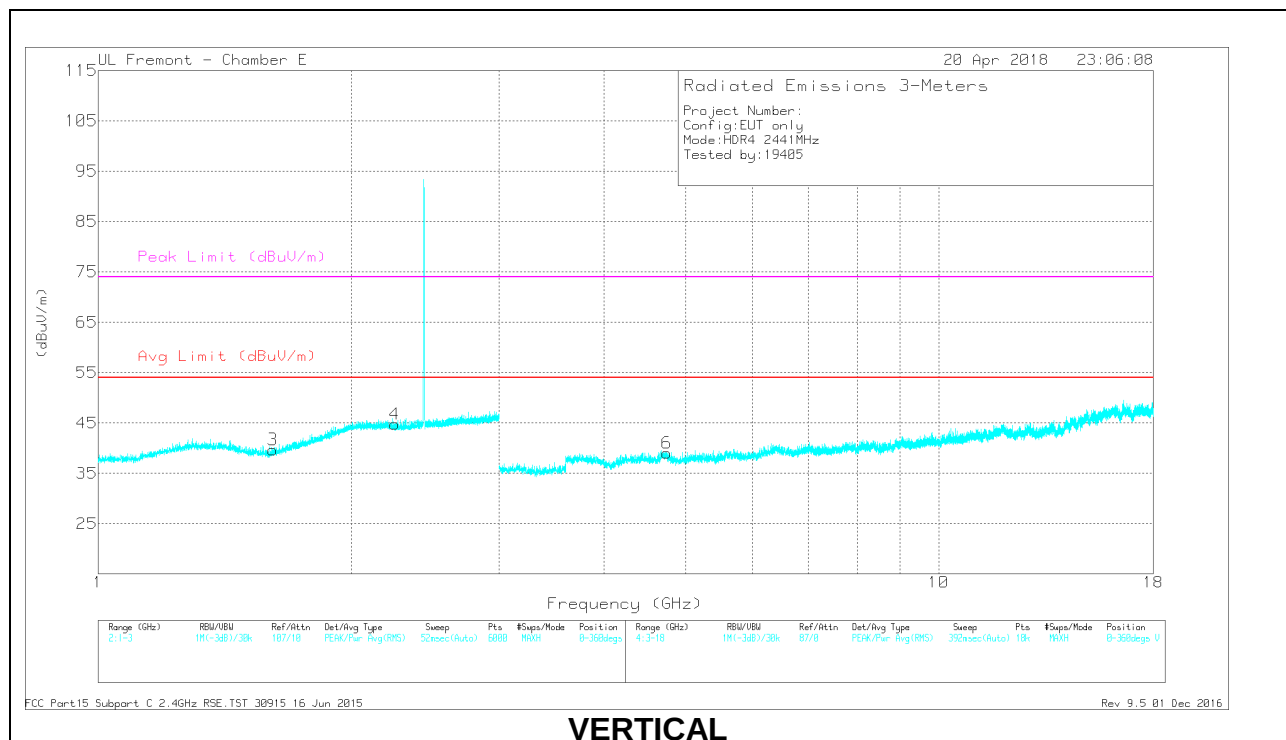
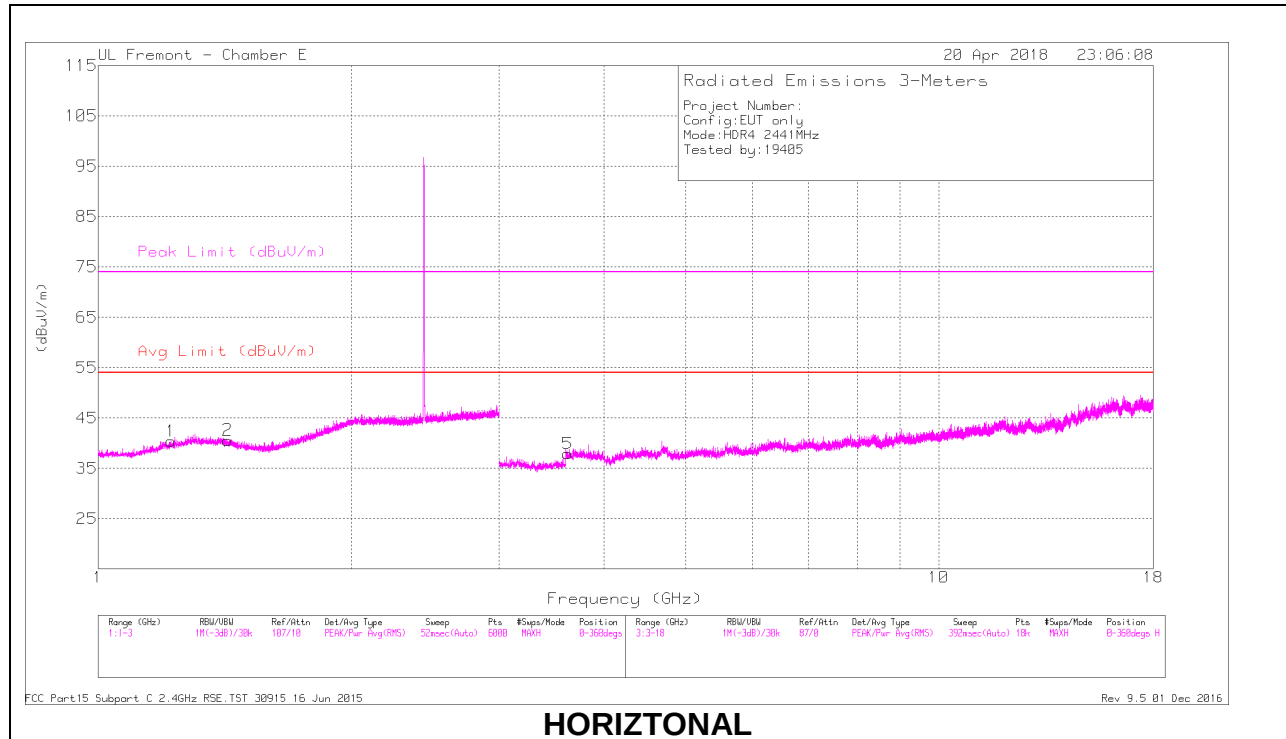
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Fitr/ Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.349	44.82	PK2	28.8	-25.2	48.42	-	-	74	-25.58	181	335	H
	* 1.35	32.43	MAv1	28.8	-25.2	36.03	54	-17.97	-	-	181	335	H
3	* 2.237	43.78	PK2	31.9	-23	52.68	-	-	74	-21.32	236	184	V
	* 2.238	31.03	MAv1	31.9	-23	39.93	54	-14.07	-	-	236	184	V
4	* 2.776	42.87	PK2	32.6	-22	53.47	-	-	74	-20.53	167	211	V
	* 2.775	30.09	MAv1	32.6	-22	40.69	54	-13.31	-	-	167	211	V
5	* 4.724	41.45	PK2	34.4	-28.4	47.45	-	-	74	-26.55	199	237	H
	* 4.723	29.37	MAv1	34.4	-28.4	35.37	54	-18.63	-	-	199	237	H
6	* 11.759	36.06	PK2	39.3	-23.4	51.96	-	-	74	-22.04	144	211	V
	* 11.758	23.8	MAv1	39.3	-23.4	39.7	54	-14.3	-	-	144	211	V
2	1.927	43.59	PK2	31.2	-23.6	51.19	-	-	-	-	181	201	H

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS



RADIATED EMISSIONS

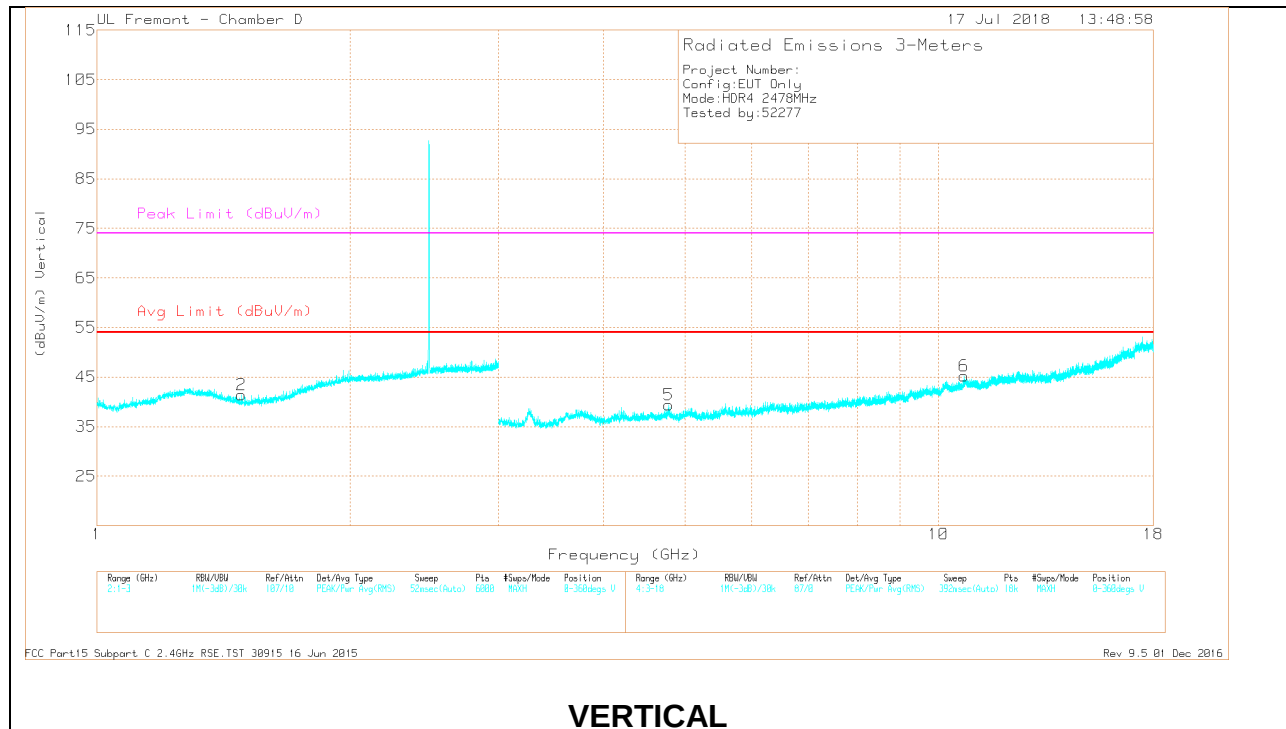
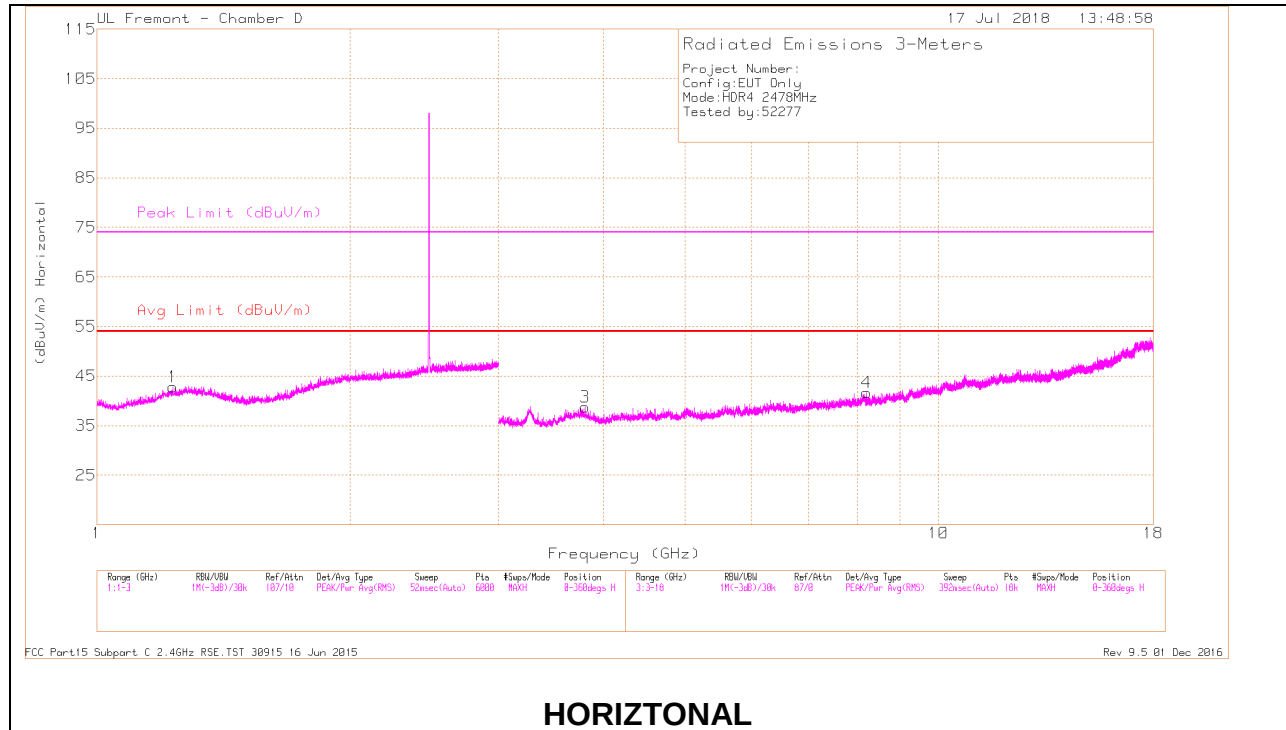
Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cb/Ftr/ Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.22	44.85	PK2	28.1	-25.5	47.45	-	-	74	-26.55	224	102	H
	* 1.221	32.79	MAv1	28.2	-25.5	35.49	54	-18.51	-	-	224	102	H
2	* 1.427	44.72	PK2	28.5	-24.9	48.32	-	-	74	-25.68	248	144	H
	* 1.427	32.47	MAv1	28.5	-24.9	36.07	54	-17.93	-	-	248	144	H
3	* 1.614	44.28	PK2	27.3	-24.4	47.18	-	-	74	-26.82	223	181	V
	* 1.613	32.15	MAv1	27.3	-24.4	35.05	54	-18.95	-	-	223	181	V
4	* 2.253	43.58	PK2	31.9	-22.9	52.58	-	-	74	-21.42	196	231	V
	* 2.253	30.94	MAv1	31.9	-22.9	39.94	54	-14.06	-	-	196	231	V
5	* 3.623	40.78	PK2	33.4	-29.7	44.48	-	-	74	-29.52	176	251	H
	* 3.619	29.48	MAv1	33.4	-29.7	33.18	54	-20.82	-	-	176	251	H
6	* 4.747	41.63	PK2	34.4	-28.6	47.43	-	-	74	-26.57	154	277	V
	* 4.746	29.78	MAv1	34.4	-28.6	35.58	54	-18.42	-	-	154	277	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fitr/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	* 1.232	42.4	PK2	29.8	-22.1	50.1	-	-	74	-23.9	36	147	H
	* 1.232	29.86	MAv1	29.8	-22.1	37.56	54	-16.44	-	-	36	147	H
2	* 1.483	41.78	PK2	27.9	-21.6	48.08	-	-	74	-25.92	105	200	V
	* 1.482	29.68	MAv1	27.9	-21.6	35.98	54	-18.02	-	-	105	200	V
3	* 3.805	38.87	PK2	34	-28.1	44.77	-	-	74	-29.23	179	378	H
	* 3.806	26.32	MAv1	34	-28	32.32	54	-21.68	-	-	179	378	H
4	* 8.213	35.38	PK2	35.9	-23.5	47.78	-	-	74	-26.22	103	136	H
	* 8.213	23.38	MAv1	35.9	-23.5	35.78	54	-18.22	-	-	103	136	H
5	* 4.778	37.49	PK2	34.3	-26.2	45.59	-	-	74	-28.41	93	314	V
	* 4.776	26.02	MAv1	34.3	-26.2	34.12	54	-19.88	-	-	93	314	V
6	* 10.727	33.1	PK2	38	-19.9	51.2	-	-	74	-22.8	174	223	V
	* 10.726	21.42	MAv1	38	-19.9	39.52	54	-14.48	-	-	174	223	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

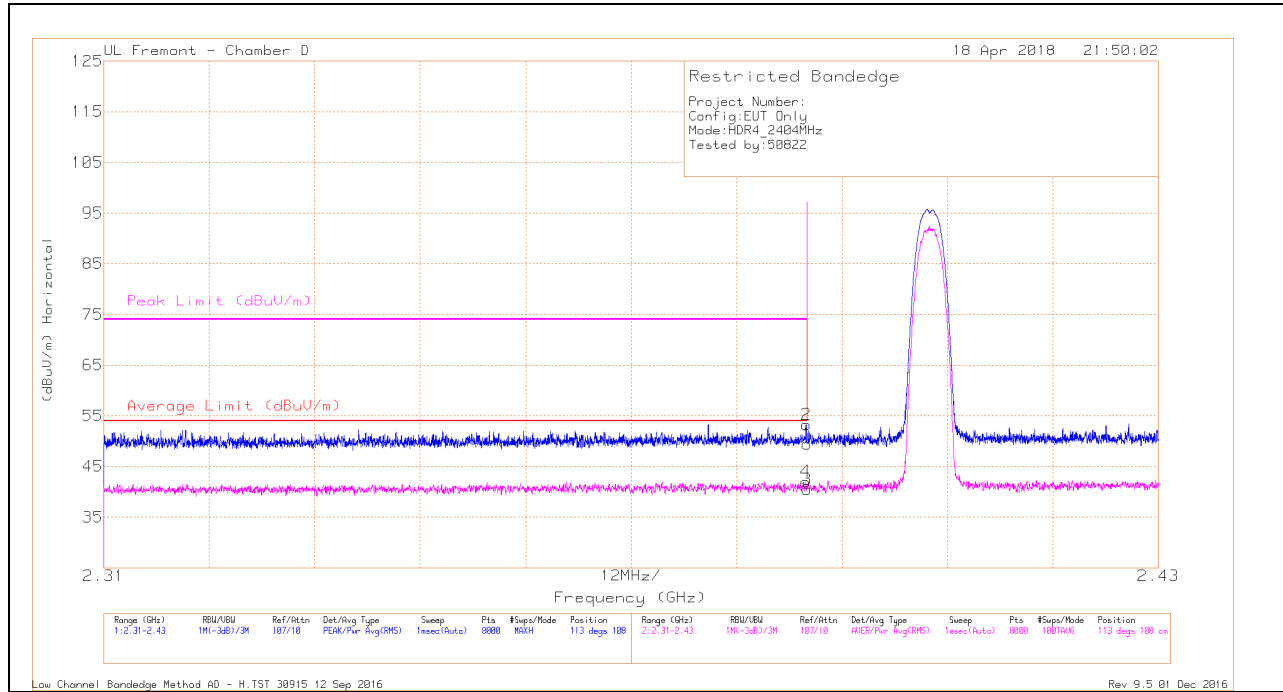
FCC Part15 Subpart C 2.4GHz RSE.TST 30915 16 Jun 2015

Rev 9.5 01 Dec 2016

Antenna 3

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



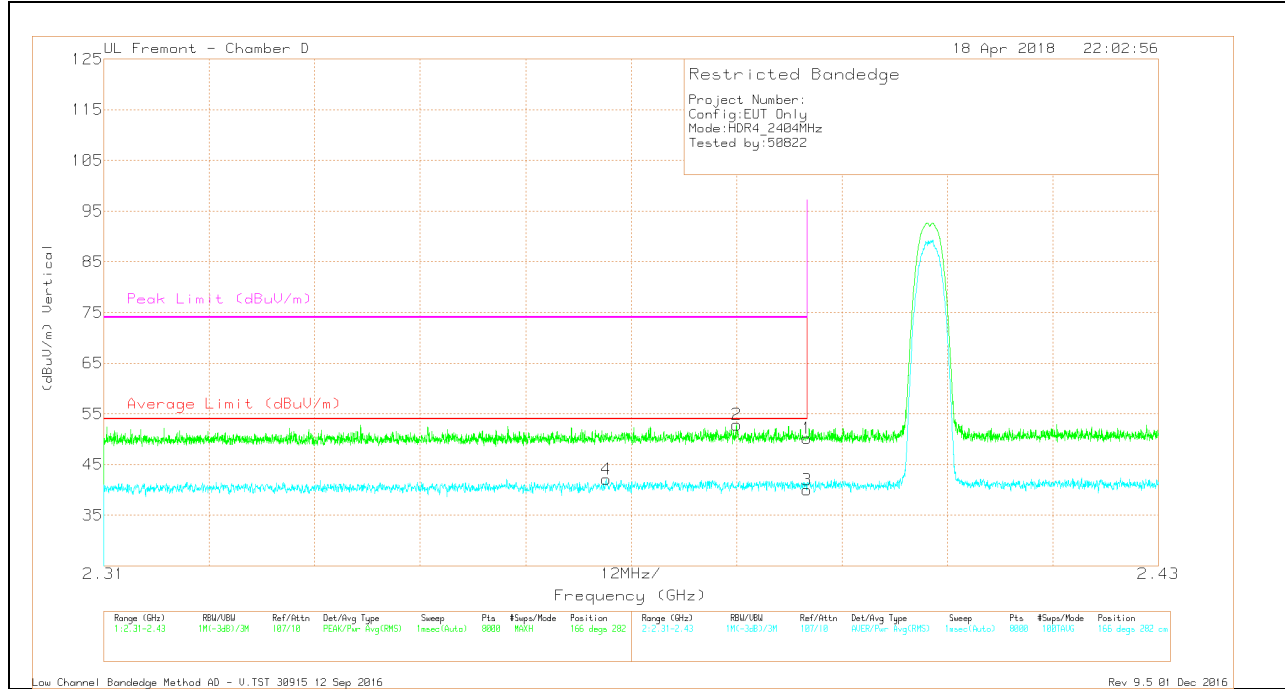
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	38.01	Pk	31.9	-20.5	49.41	-	-	74	-24.59	113	108	H
2	* 2.39	41.88	Pk	31.9	-20.5	53.28	-	-	74	-20.72	113	108	H
3	* 2.39	29.03	RMS	31.9	-20.5	40.43	54	-13.57	-	-	113	108	H
4	* 2.39	30.63	RMS	31.9	-20.5	42.03	54	-11.97	-	-	113	108	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Ftr/Pa d (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	38.74	Pk	31.9	-20.5	50.14	-	-	74	-23.86	166	282	V
2	* 2.382	41.54	Pk	31.8	-20.5	52.84	-	-	74	-21.16	166	282	V
3	* 2.39	28.59	RMS	31.9	-20.5	39.99	54	-14.01	-	-	166	282	V
4	* 2.367	31.02	RMS	31.7	-20.6	42.12	54	-11.88	-	-	166	282	V

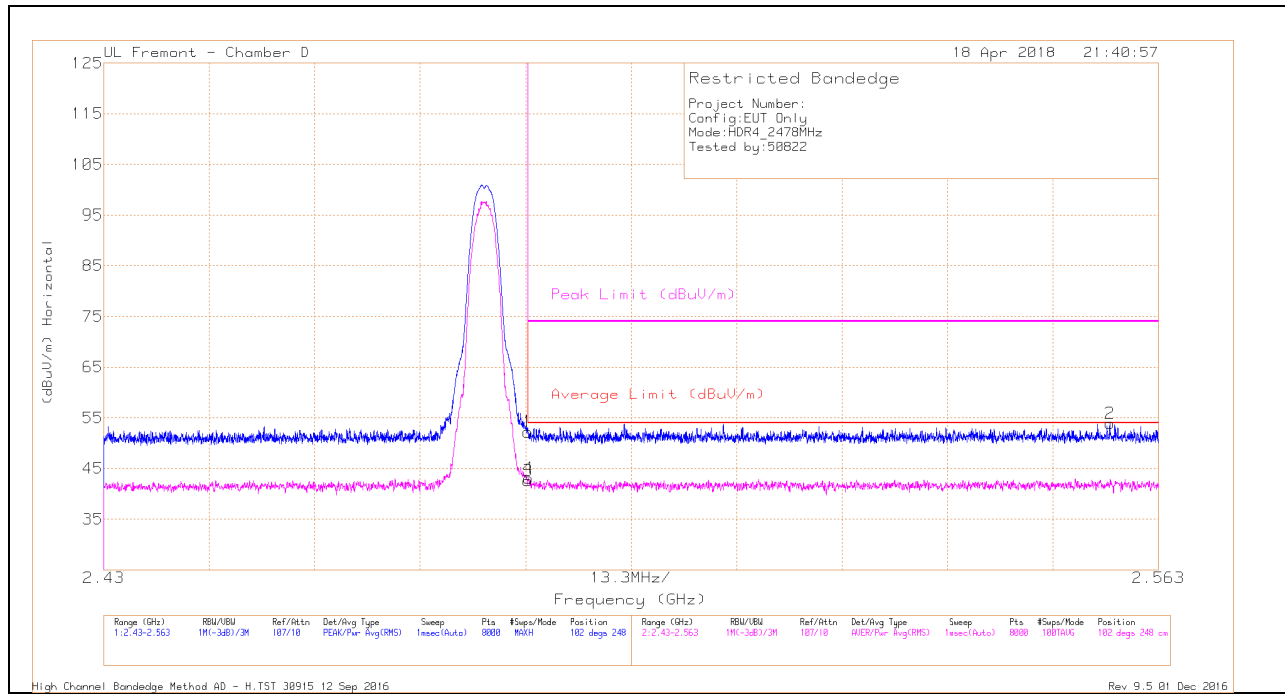
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



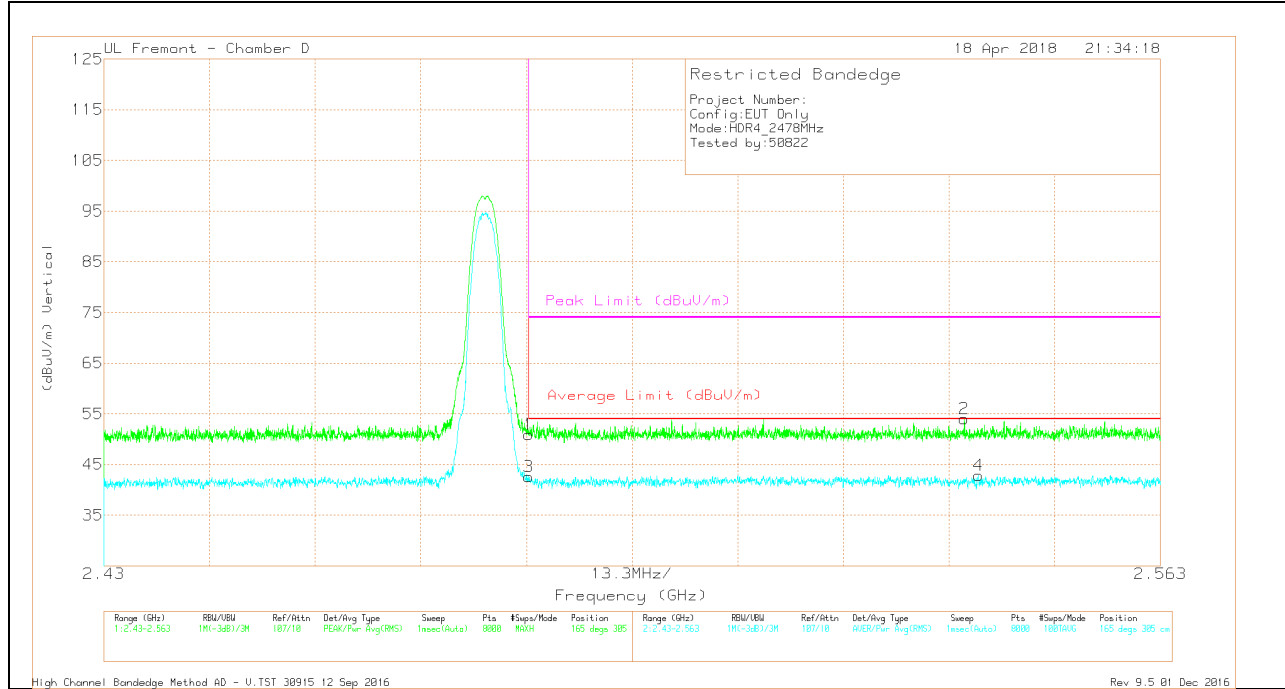
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1	* 2.484	40.22	Pk	32.4	-20.4	52.22	-	-	74	-21.78	102	248	H
3	* 2.484	30.63	RMS	32.4	-20.4	42.63	54	-11.37	-	-	102	248	H
4	* 2.484	31.17	RMS	32.4	-20.5	43.07	54	-10.93	-	-	102	248	H
2	2.557	41.63	Pk	32.5	-20.2	53.93	-	-	74	-20.07	102	248	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/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	38.92	Pk	32.4	-20.4	50.92	-	-	74	-23.08	165	305	V
3	* 2.484	30.63	RMS	32.4	-20.4	42.63	54	-11.37	-	-	165	305	V
2	2.538	42.02	Pk	32.4	-20.4	54.02	-	-	74	-19.98	165	305	V
4	2.54	30.77	RMS	32.4	-20.3	42.87	54	-11.13	-	-	165	305	V

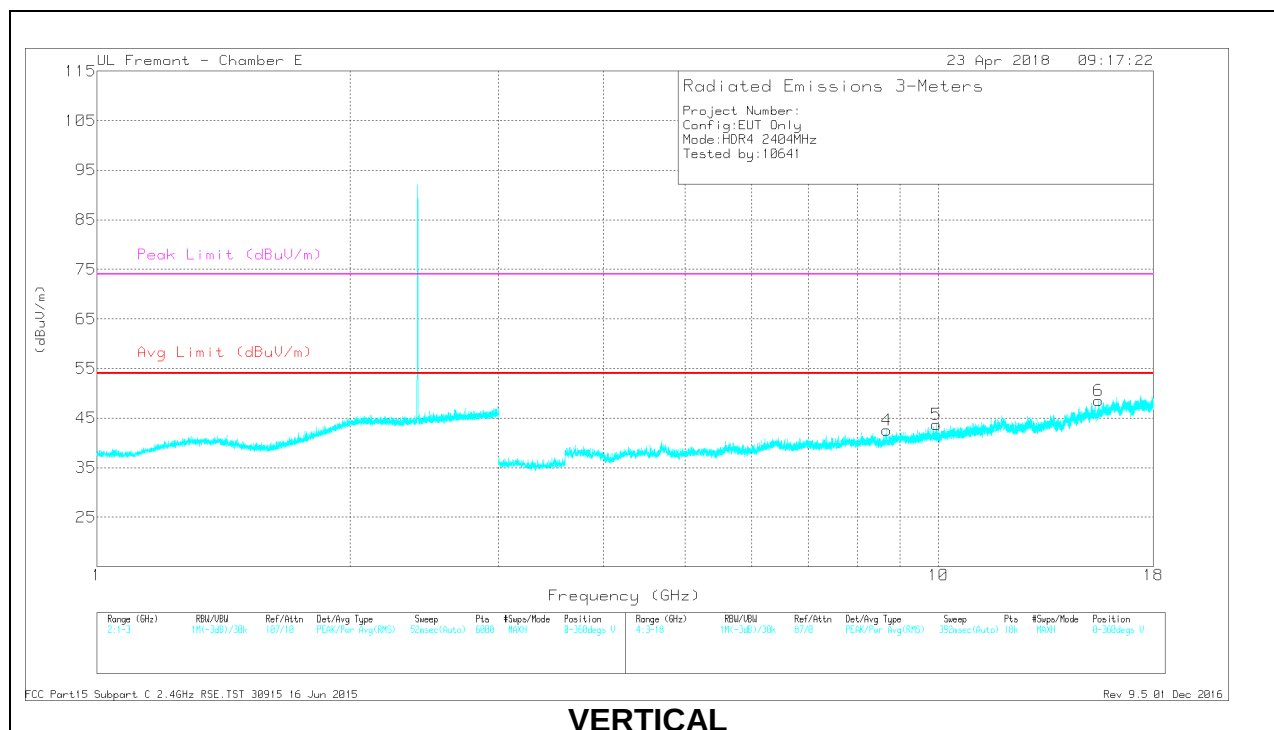
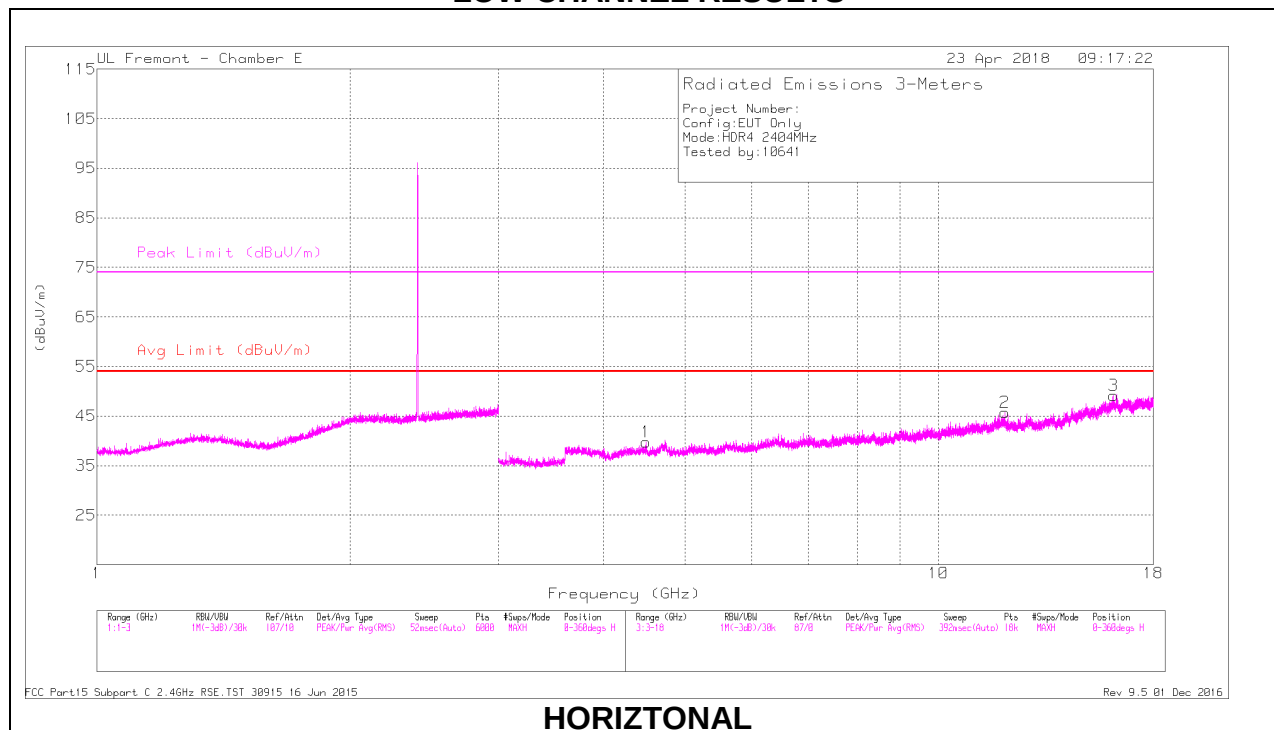
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

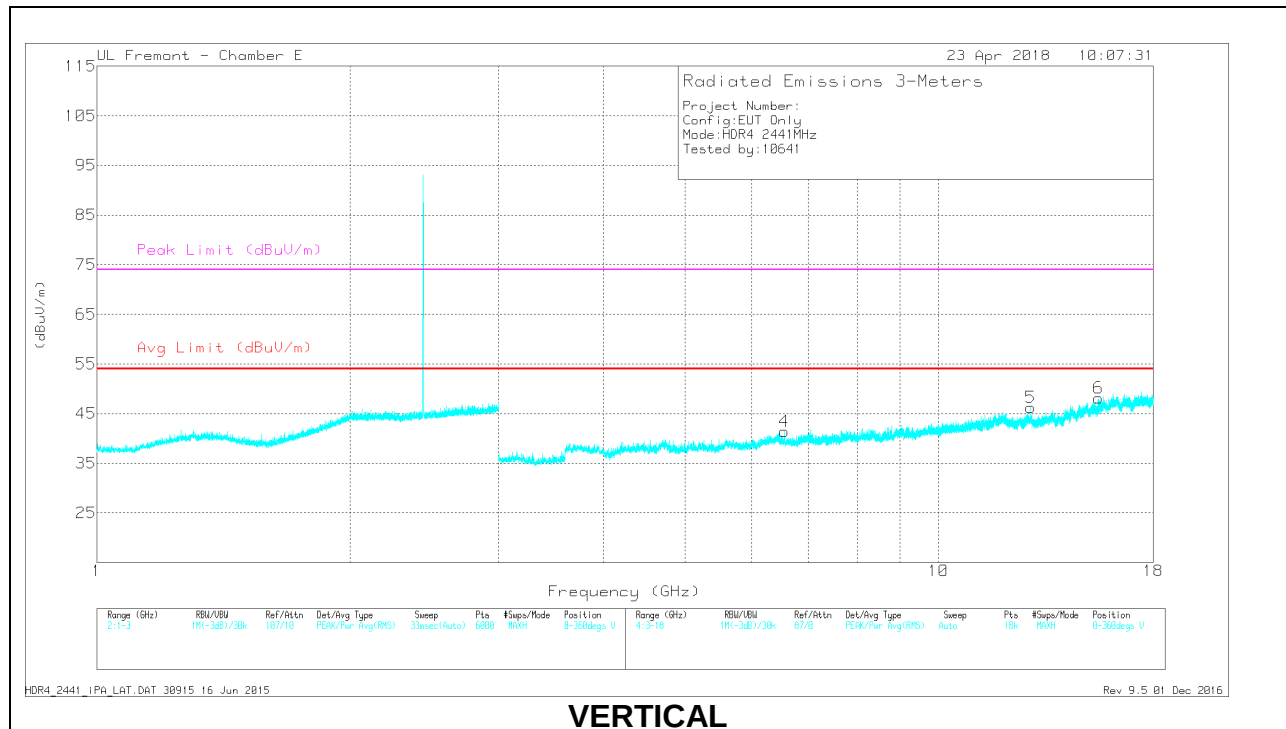
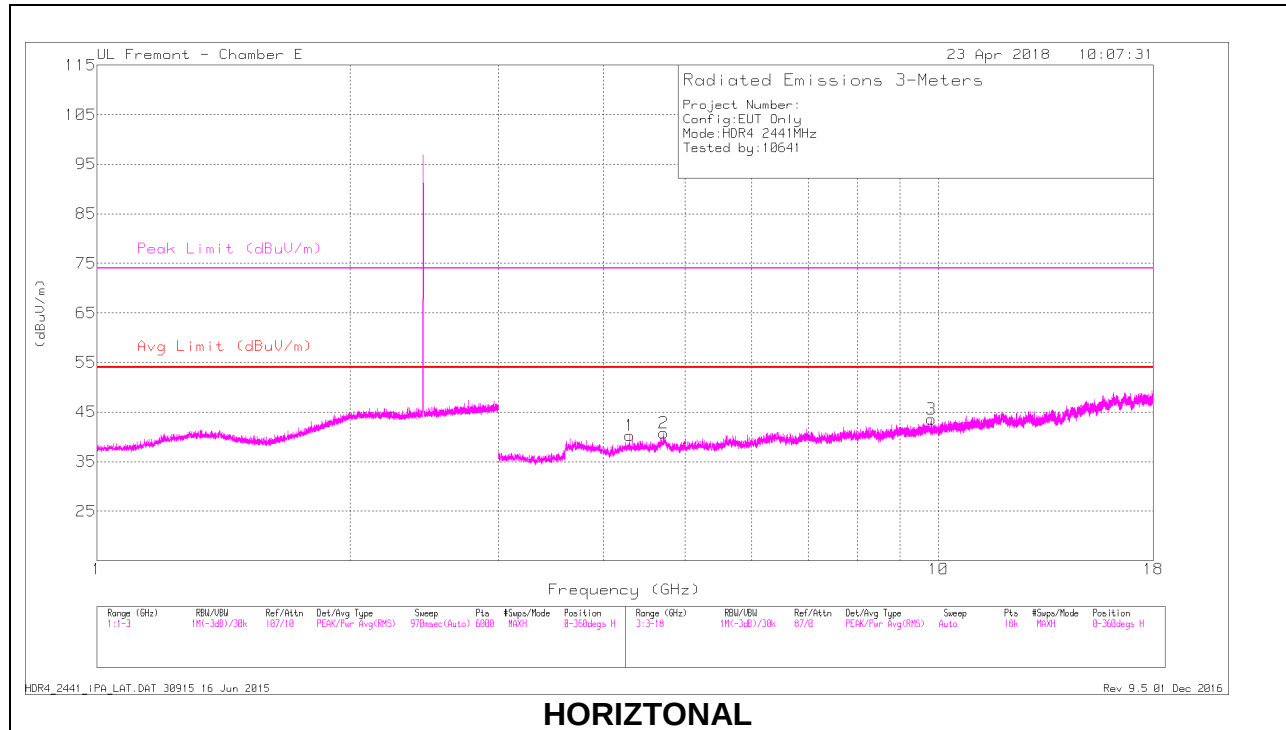
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 11.981	34.98	PK2	39.7	-22.6	52.08	-	-	74	-21.92	356	113	H
	* 11.993	22.29	MAv1	39.8	-22.9	39.19	54	-14.81	-	-	356	113	H
3	* 16.154	35.49	PK2	41	-20.6	55.89	-	-	74	-18.11	259	200	H
	* 16.158	22.54	MAv1	41	-20.8	42.74	54	-11.26	-	-	259	200	H
6	* 15.491	35.84	PK2	41	-22.2	54.64	-	-	74	-19.36	147	307	V
	* 15.489	22.18	MAv1	41	-22.2	40.98	54	-13.02	-	-	147	307	V
1	4.494	41.44	PK2	34.5	-29.3	46.64	-	-	-	-	83	307	H
4	8.678	37.11	PK2	36.6	-24.6	49.11	-	-	-	-	114	399	V
5	9.95	35.45	PK2	37.6	-24	49.05	-	-	-	-	257	172	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS



RADIATED EMISSIONS

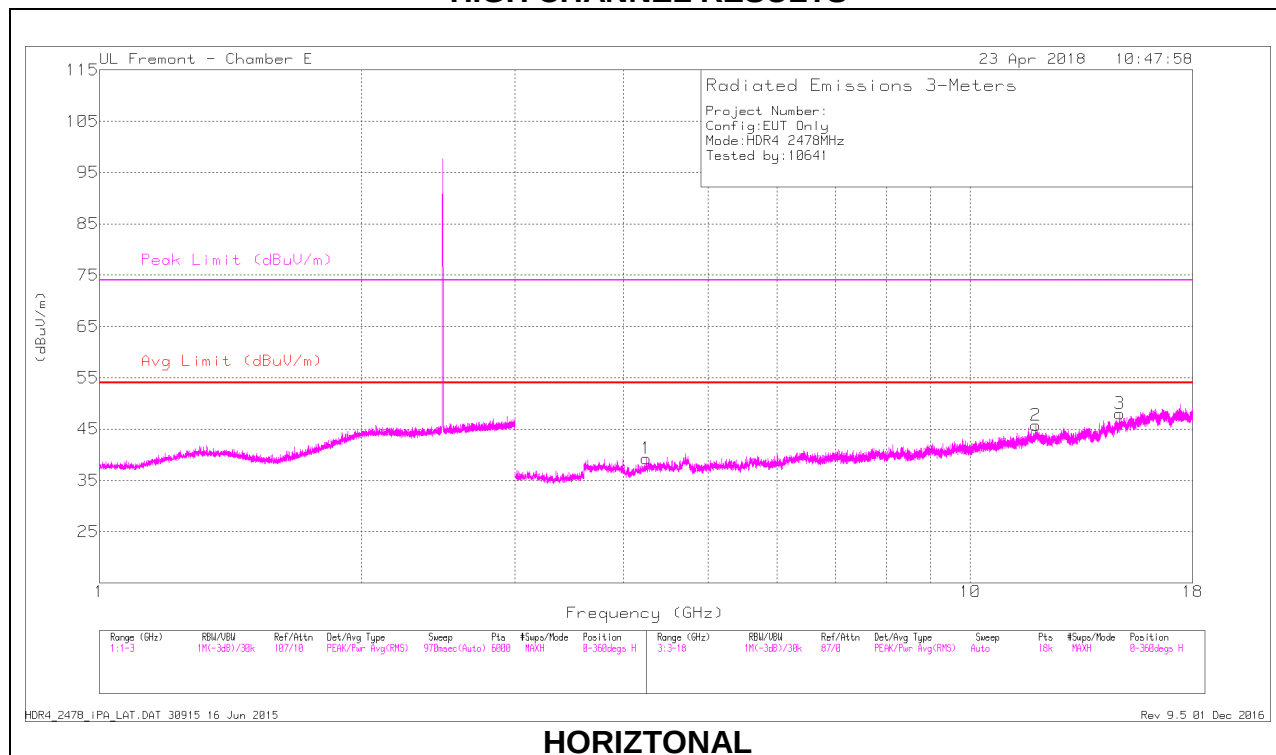
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.305	40.9	PK2	33.9	-29.5	45.3	-	-	74	-28.7	264	281	H
	* 4.307	28.9	MAv1	33.9	-29.5	33.3	54	-20.7	-	-	264	281	H
2	* 4.71	41.46	PK2	34.4	-28.6	47.26	-	-	74	-26.74	339	379	H
	* 4.71	28.98	MAv1	34.4	-28.6	34.78	54	-19.22	-	-	339	379	H
6	* 15.498	34.86	PK2	41.1	-21.7	54.26	-	-	74	-19.74	233	246	V
	* 15.497	21.88	MAv1	41	-21.8	41.08	54	-12.92	-	-	233	246	V
4	6.559	39.3	PK2	36	-28	47.3	-	-	-	-	47	101	V
3	9.81	35.74	PK2	37.5	-23.7	49.54	-	-	-	-	47	122	H
5	12.863	36.08	PK2	39.7	-23.9	51.88	-	-	-	-	275	173	V

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

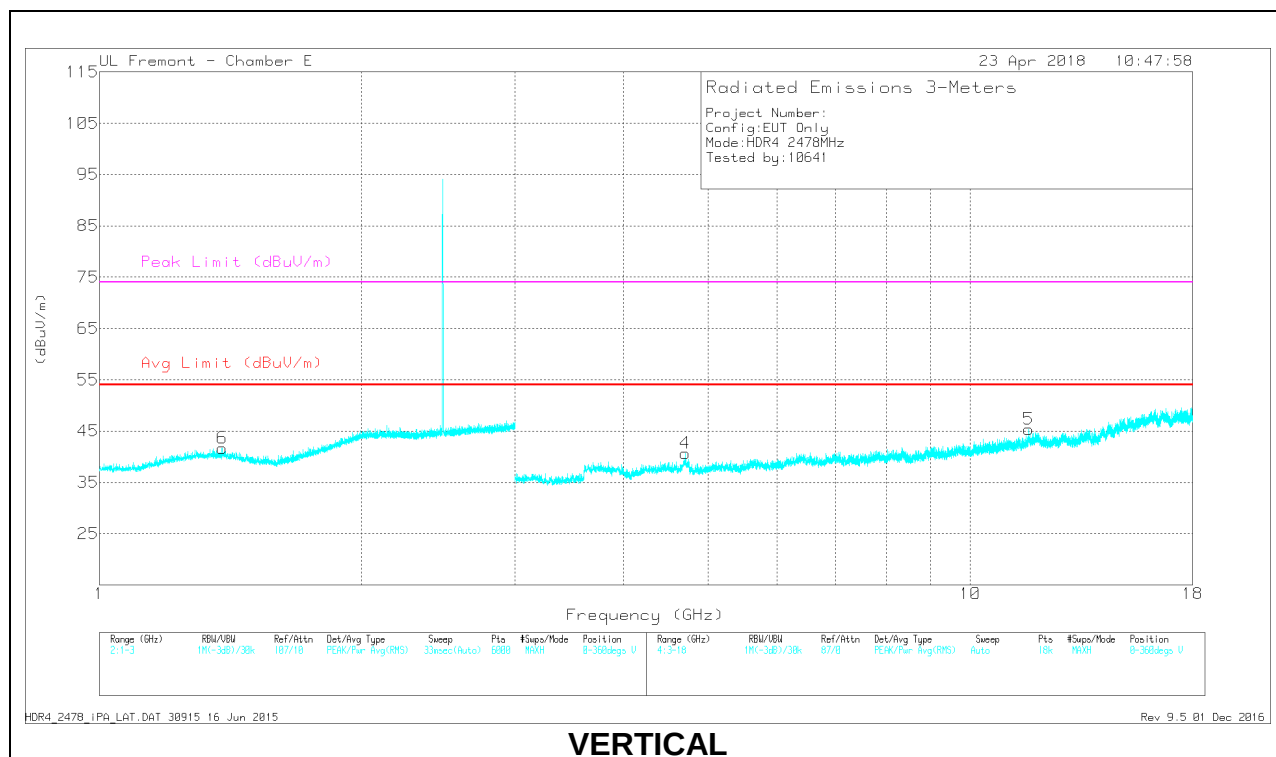
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (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
6	* 1.381	44.76	PK2	28.8	-25.1	48.46	-	-	74	-25.54	34	332	V
	* 1.383	32.17	MAv1	28.8	-25.1	35.87	54	-18.13	-	-	34	332	V
1	* 4.246	40.43	PK2	33.8	-28.5	45.73	-	-	74	-28.27	214	381	H
	* 4.245	28.39	MAv1	33.8	-28.5	33.69	54	-20.31	-	-	214	381	H
2	* 11.887	34.67	PK2	39.4	-22.3	51.77	-	-	74	-22.23	274	400	H
	* 11.889	22.09	MAv1	39.4	-22.3	39.19	54	-14.81	-	-	274	400	H
4	* 4.705	41.93	PK2	34.4	-28.7	47.63	-	-	74	-26.37	200	302	V
	* 4.706	29.08	MAv1	34.4	-28.7	34.78	54	-19.22	-	-	200	302	V
5	* 11.676	34.5	PK2	39	-22	51.5	-	-	74	-22.5	122	196	V
	* 11.676	21.07	MAv1	39	-22	38.07	54	-15.93	-	-	122	196	V
3	14.837	35.34	PK2	40.3	-21.8	53.84	-	-	-	-	215	120	H

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

PK2 - KDB558074 Method: Maximum Peak

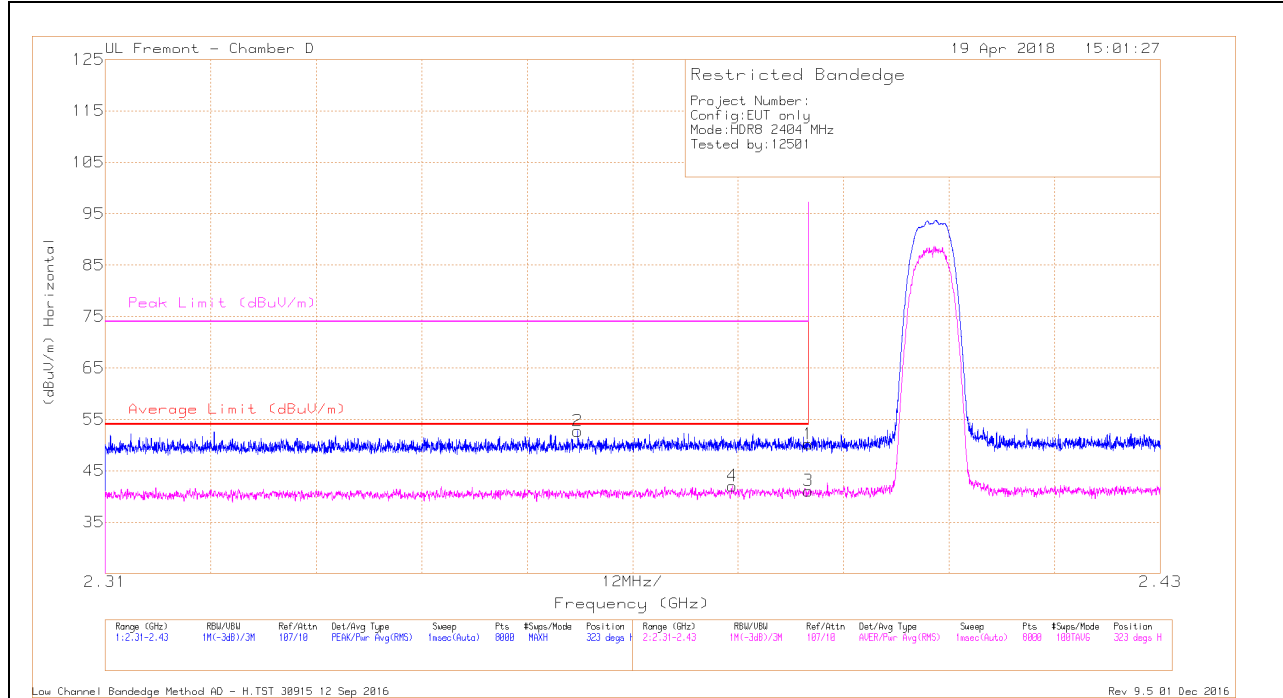
MAv1 - KDB558074 Option 1 Maximum RMS Average

9.2.4. LOW POWER HDR8

Antenna 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



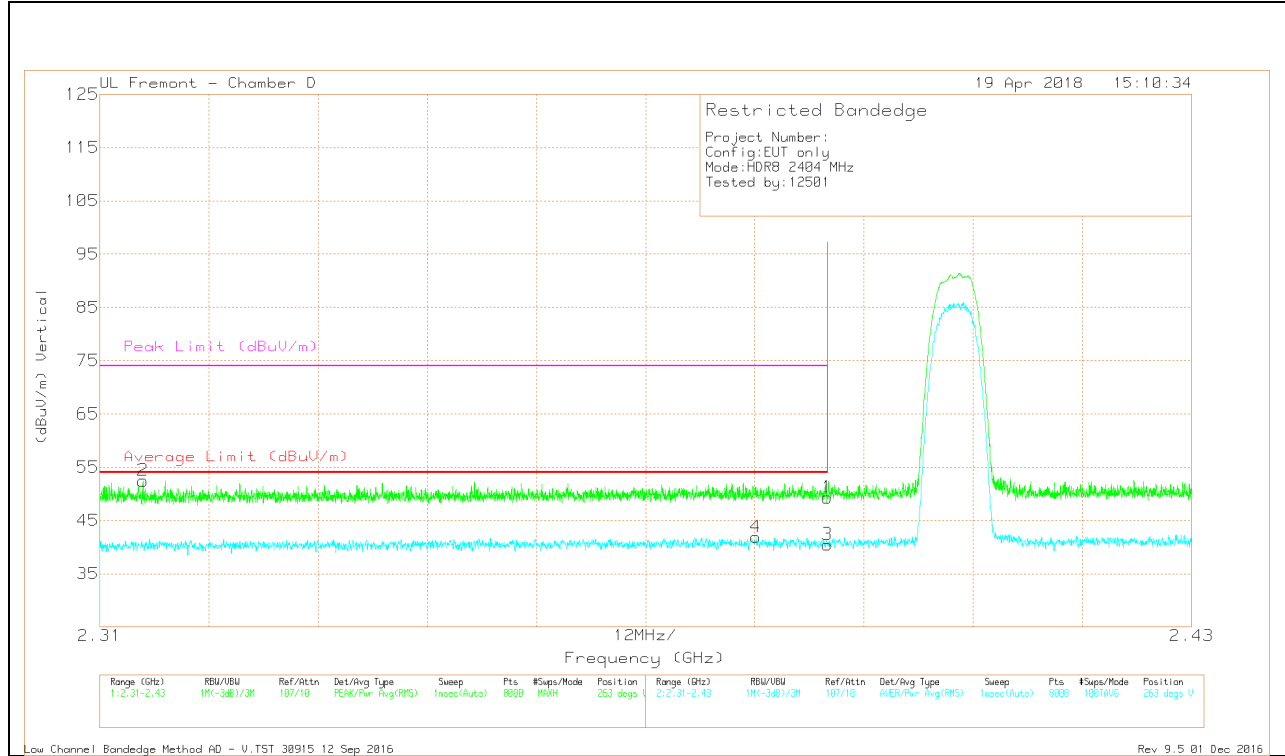
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	38.77	Pk	31.9	-20.5	50.17	-	-	74	-23.83	323	200	H
2	* 2.364	41.62	Pk	31.7	-20.6	52.72	-	-	74	-21.28	323	200	H
3	* 2.39	29.7	RMS	31.9	-20.5	41.1	54	-12.9	-	-	323	200	H
4	* 2.381	30.65	RMS	31.8	-20.4	42.05	54	-11.95	-	-	323	200	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filt/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.315	41.57	Pk	31.5	-20.6	52.47	-	-	74	-21.53	263	371	V
4	* 2.382	30.6	RMS	31.8	-20.5	41.9	54	-12.1	-	-	263	371	V
1	* 2.39	37.91	Pk	31.9	-20.5	49.31	-	-	74	-24.69	263	371	V
3	* 2.39	29.05	RMS	31.9	-20.5	40.45	54	-13.55	-	-	263	371	V

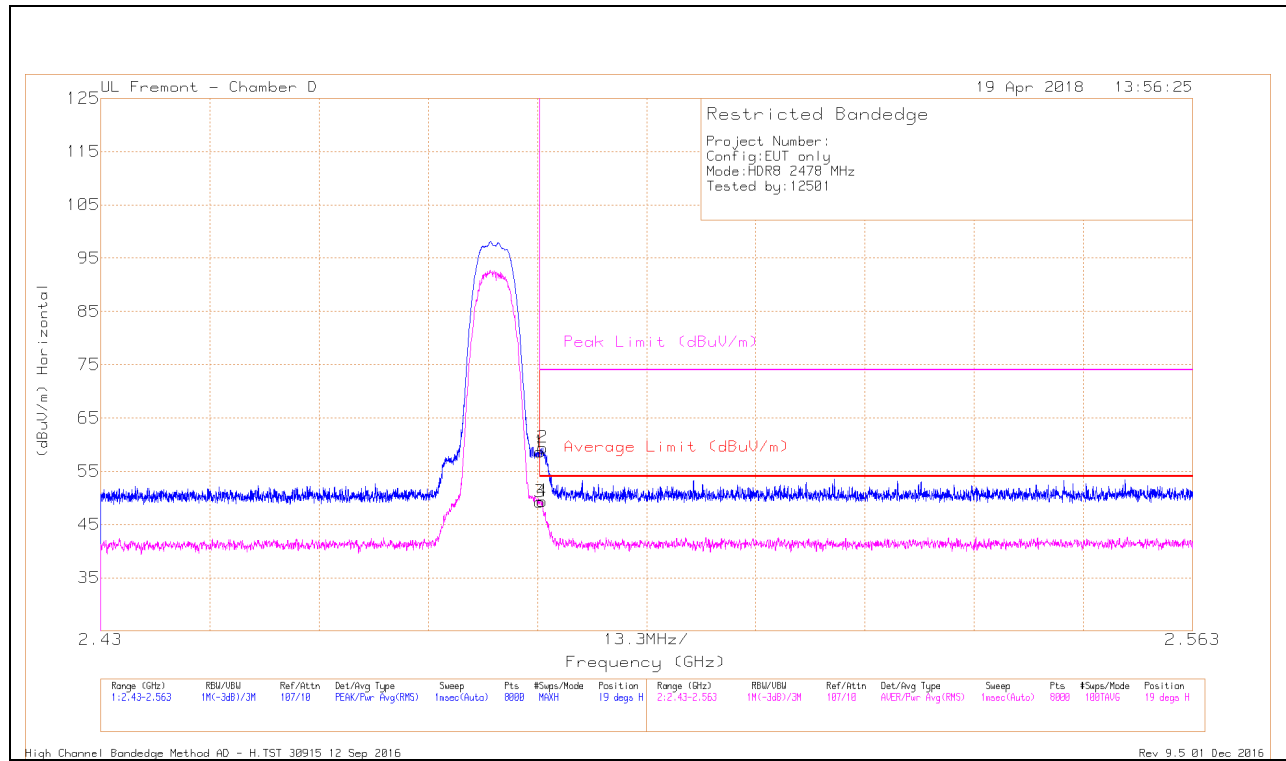
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



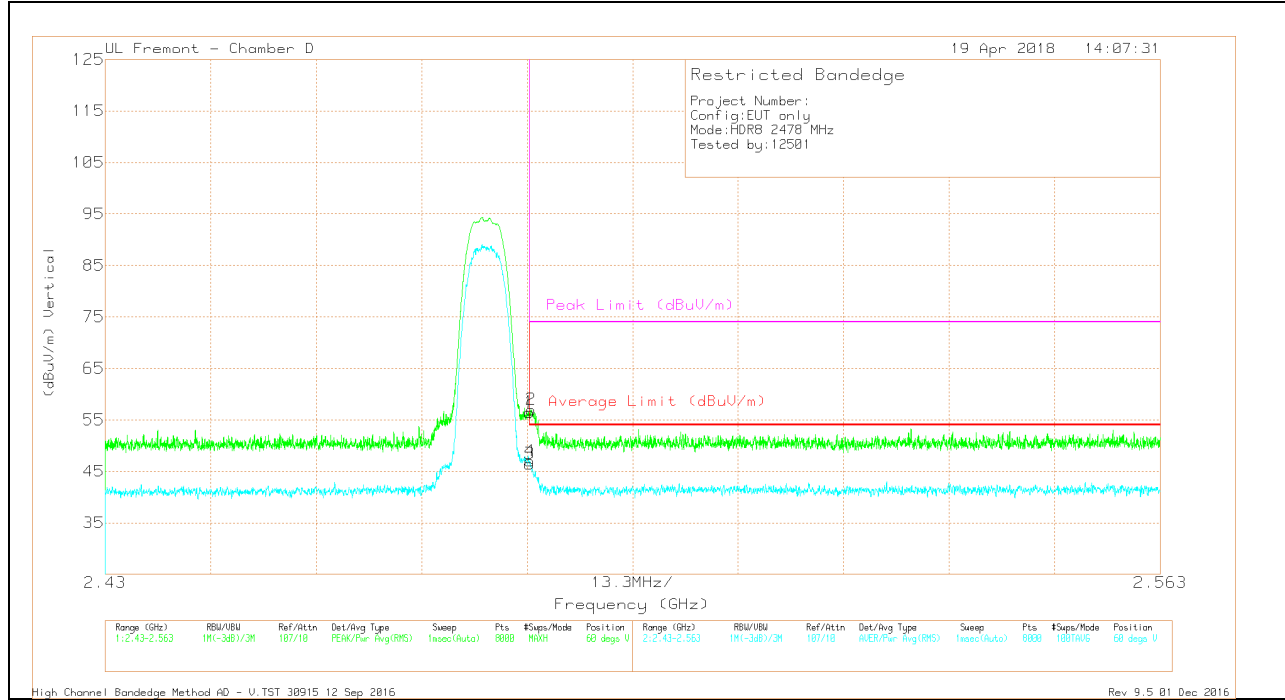
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filt/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	46.62	Pk	32.4	-20.4	58.62	-	-	74	-15.38	19	147	H
2	* 2.484	47.53	Pk	32.4	-20.5	59.43	-	-	74	-14.57	19	147	H
3	* 2.484	37.26	RMS	32.4	-20.4	49.26	54	-4.74	-	-	19	147	H
4	* 2.484	37.47	RMS	32.4	-20.5	49.37	54	-4.63	-	-	19	147	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/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	44.46	Pk	32.4	-20.4	56.46	-	-	74	-17.54	60	222	V
2	* 2.484	45.08	Pk	32.4	-20.5	56.98	-	-	74	-17.02	60	222	V
3	* 2.484	34.48	RMS	32.4	-20.4	46.48	54	-7.52	-	-	60	222	V
4	* 2.484	35.12	RMS	32.4	-20.5	47.02	54	-6.98	-	-	60	222	V

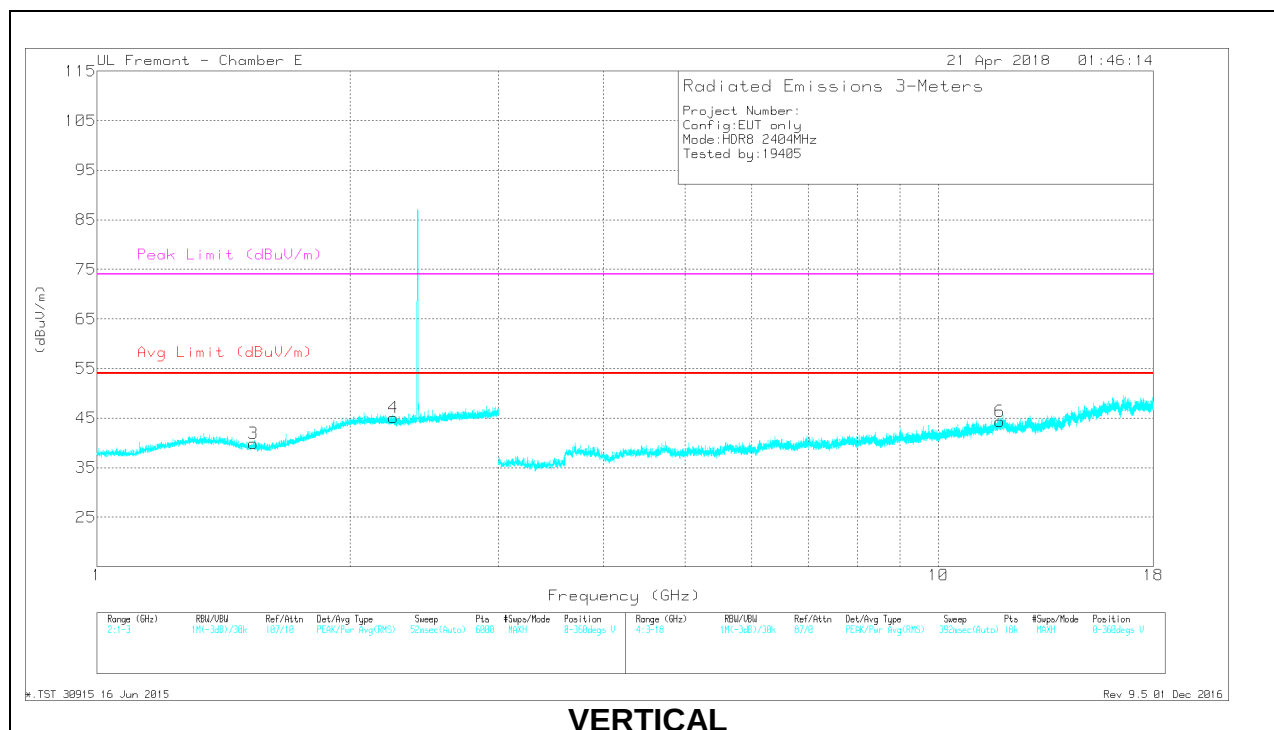
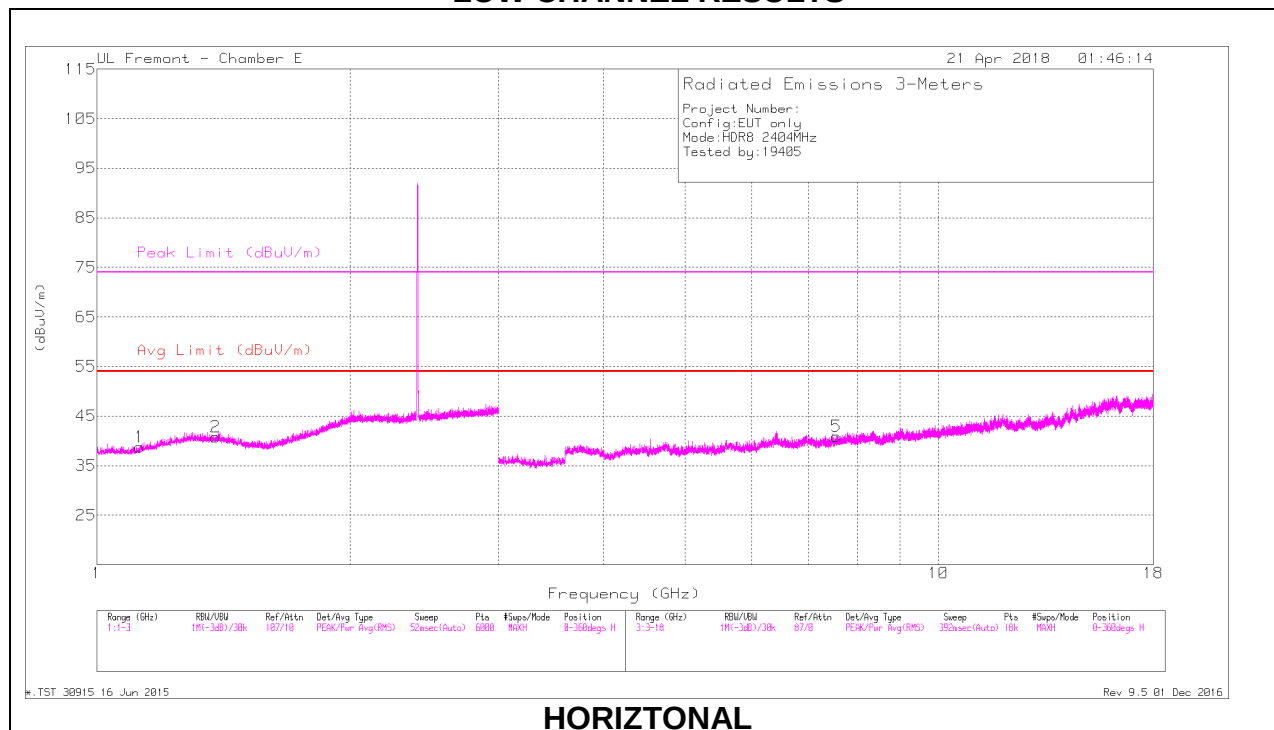
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

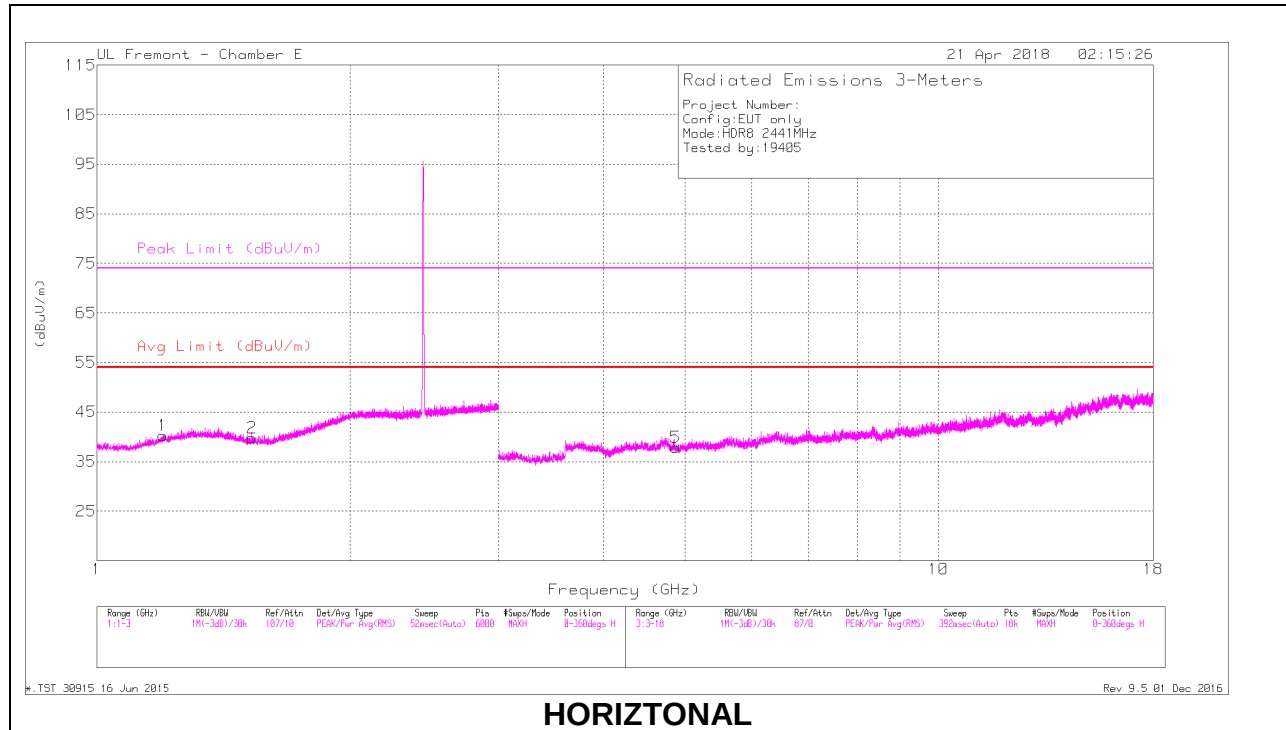
Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Ftr/ Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.125	45.12	PK2	26.7	-25.6	46.22	-	-	74	-27.78	341	219	H
	* 1.125	33.07	MAv1	26.7	-25.6	34.17	54	-19.83	-	-	341	219	H
2	* 1.382	44.77	PK2	28.8	-25.1	48.47	-	-	74	-25.53	278	154	H
	* 1.382	32.72	MAv1	28.8	-25.1	36.42	54	-17.58	-	-	278	154	H
3	* 1.535	44.6	PK2	27.5	-24.7	47.4	-	-	74	-26.6	240	137	V
	* 1.535	32.44	MAv1	27.5	-24.7	35.24	54	-18.76	-	-	240	137	V
4	* 2.25	43.99	PK2	31.9	-22.9	52.99	-	-	74	-21.01	279	193	V
	* 2.251	30.89	MAv1	31.9	-22.9	39.89	54	-14.11	-	-	279	193	V
5	* 7.563	37.68	PK2	36.2	-25.6	48.28	-	-	74	-25.72	214	126	H
	* 7.562	25.36	MAv1	36.2	-25.6	35.96	54	-18.04	-	-	214	126	H
6	* 11.83	35.49	PK2	39.4	-23.5	51.39	-	-	74	-22.61	187	143	V
	* 11.83	23.52	MAv1	39.4	-23.5	39.42	54	-14.58	-	-	187	143	V

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

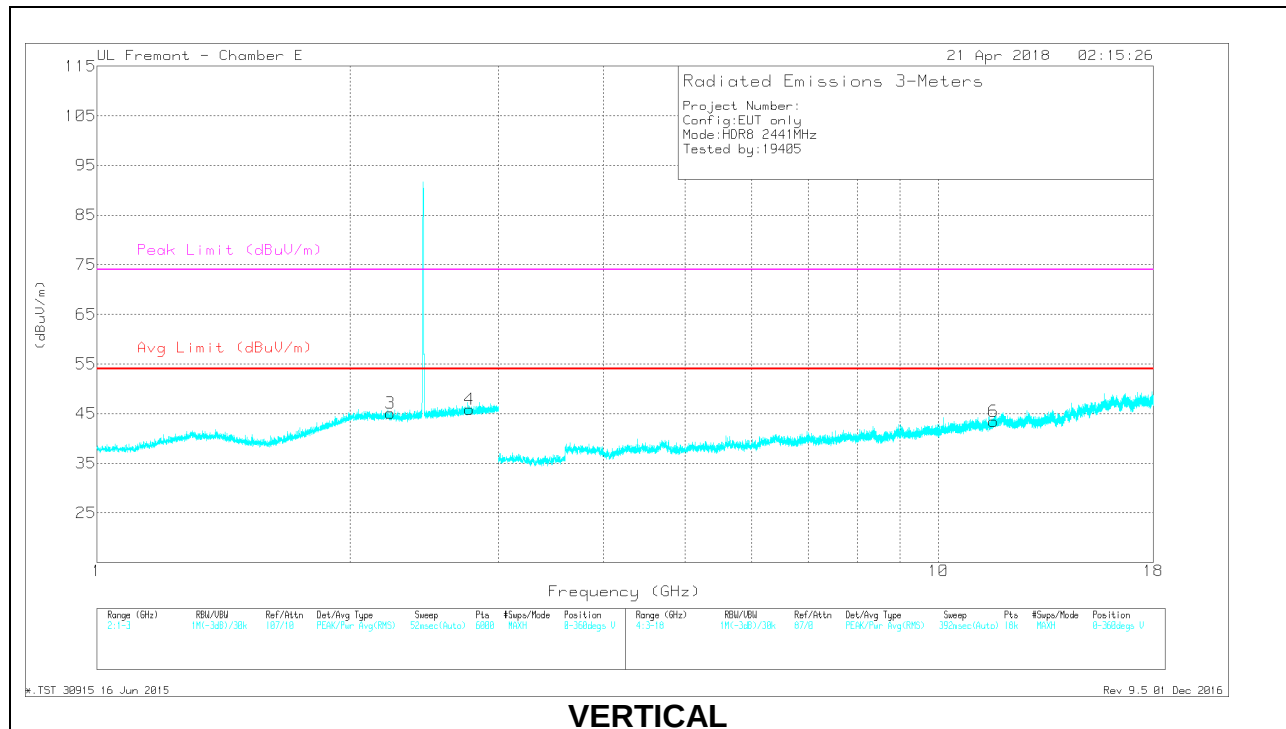
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

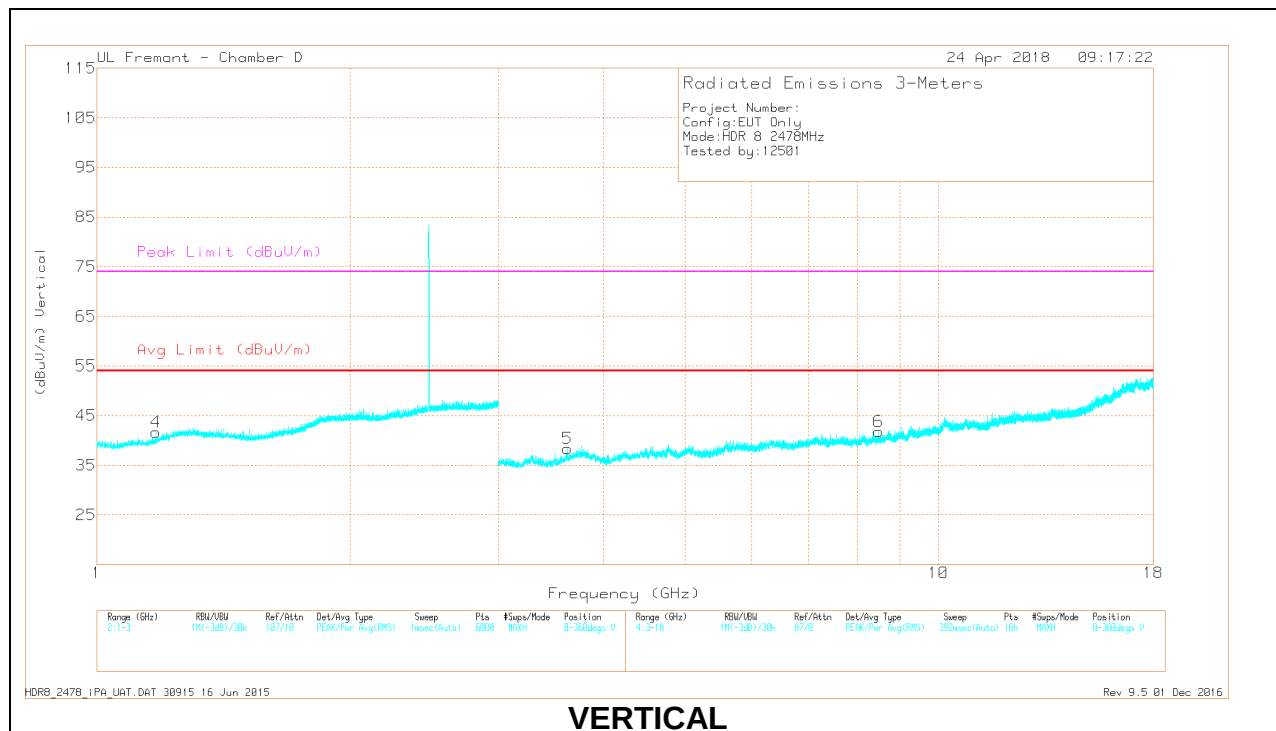
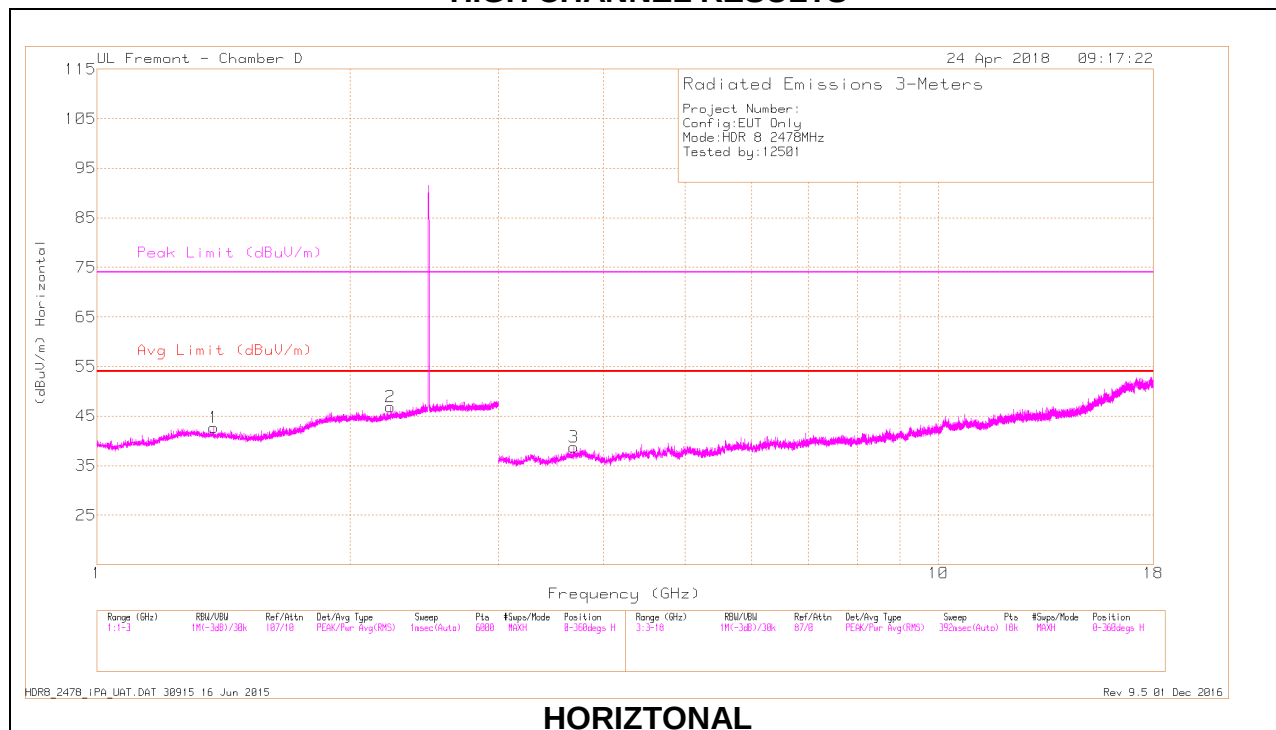
Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Fitr/ Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.199	46.03	PK2	27.9	-25.5	48.43	-	-	74	-25.57	353	231	H
	* 1.199	33.2	MAv1	27.9	-25.5	35.6	54	-18.4	-	-	353	231	H
2	* 1.529	44.98	PK2	27.5	-24.7	47.78	-	-	74	-26.22	296	116	H
	* 1.53	32.33	MAv1	27.5	-24.7	35.13	54	-18.87	-	-	296	116	H
3	* 2.229	43.77	PK2	32	-23.1	52.67	-	-	74	-21.33	250	214	V
	* 2.229	30.79	MAv1	32	-23	39.79	54	-14.21	-	-	250	214	V
4	* 2.773	43.2	PK2	32.6	-22	53.8	-	-	74	-20.2	309	167	V
	* 2.77	30.16	MAv1	32.6	-22	40.76	54	-13.24	-	-	309	167	V
5	* 4.873	39.95	PK2	34.5	-29.6	44.85	-	-	74	-29.15	341	163	H
	* 4.872	28.31	MAv1	34.5	-29.6	33.21	54	-20.79	-	-	341	163	H
6	* 11.624	34.48	PK2	38.8	-22.6	50.68	-	-	74	-23.32	218	204	V
	* 11.625	22.15	MAv1	38.8	-22.6	38.35	54	-15.65	-	-	218	204	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.378	42.05	PK2	28.8	-21.8	49.05	-	-	74	-24.95	162	216	H
* 1.375	29.83	MAv1	28.8	-21.9	36.73	54	-17.27	-	-	162	216	H
* 2.23	41.65	PK2	31.4	-20.7	52.35	-	-	74	-21.65	344	335	H
* 2.232	29.77	MAv1	31.4	-20.6	40.57	54	-13.43	-	-	344	335	H
* 1.177	42.06	PK2	27.9	-22.2	47.76	-	-	74	-26.24	123	140	V
* 1.175	29.92	MAv1	27.9	-22.2	35.62	54	-18.38	-	-	123	140	V
* 3.687	38.23	PK2	33.5	-28.8	42.93	-	-	74	-31.07	255	229	H
* 3.684	26.77	MAv1	33.5	-28.7	31.57	54	-22.43	-	-	255	229	H
* 3.624	38.22	PK2	33.6	-28.3	43.52	-	-	74	-30.48	70	188	V
* 3.621	26.23	MAv1	33.6	-28.2	31.63	54	-22.37	-	-	70	188	V
* 8.494	34.72	PK2	35.9	-23.1	47.52	-	-	74	-26.48	141	346	V
* 8.492	23.33	MAv1	35.9	-23.2	36.03	54	-17.97	-	-	141	346	V

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

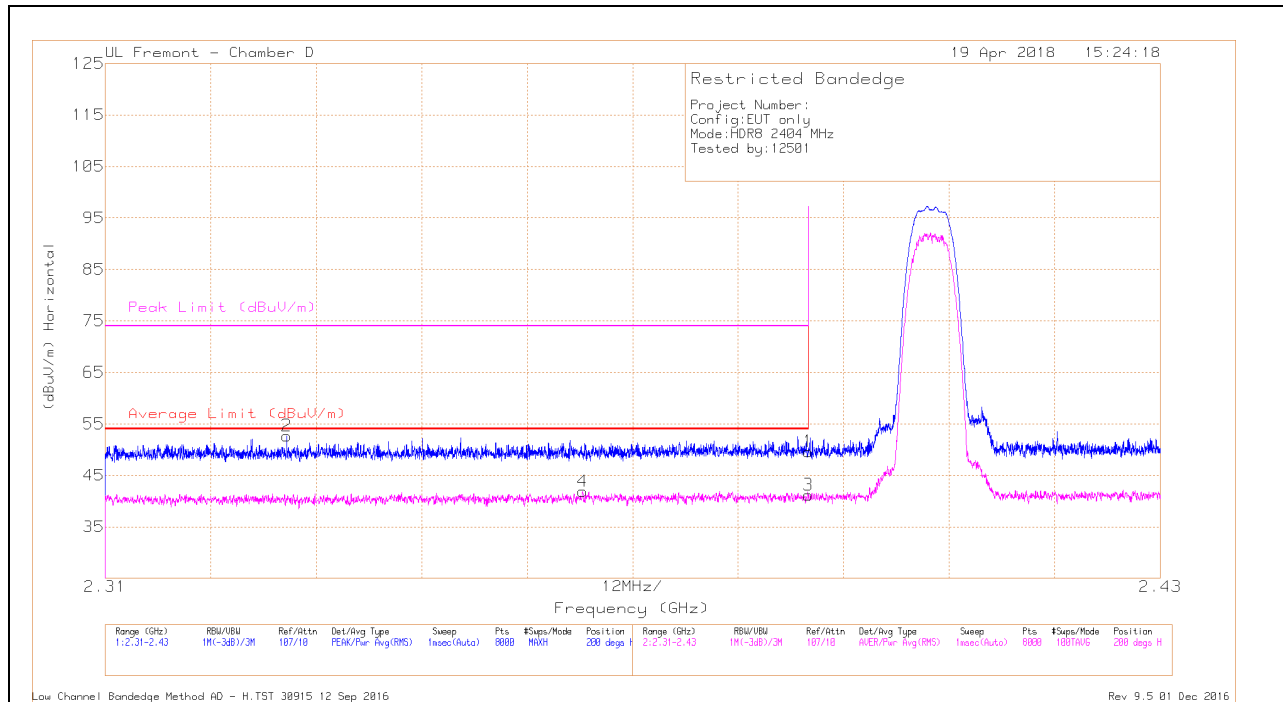
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

Antenna 3

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



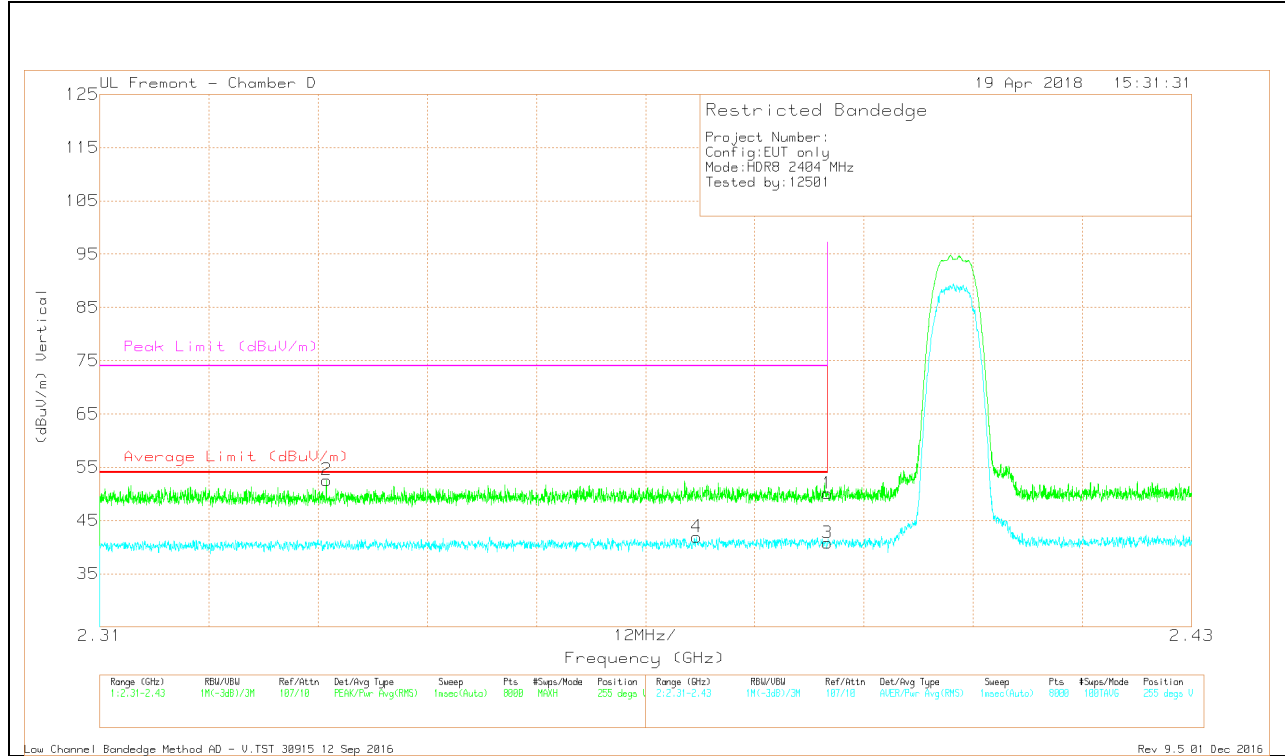
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	38.24	Pk	31.9	-20.5	49.64	-	-	74	-24.36	200	229	H
2	* 2.331	41.67	Pk	31.6	-20.6	52.67	-	-	74	-21.33	200	229	H
3	* 2.39	29.78	RMS	31.9	-20.5	41.18	54	-12.82	-	-	200	229	H
4	* 2.364	30.69	RMS	31.7	-20.5	41.89	54	-12.11	-	-	200	229	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filt/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.335	41.59	Pk	31.6	-20.6	52.59	-	-	74	-21.41	255	286	V
4	* 2.376	30.62	RMS	31.8	-20.5	41.92	54	-12.08	-	-	255	286	V
1	* 2.39	38.67	Pk	31.9	-20.5	50.07	-	-	74	-23.93	255	286	V
3	* 2.39	29.41	RMS	31.9	-20.5	40.81	54	-13.19	-	-	255	286	V

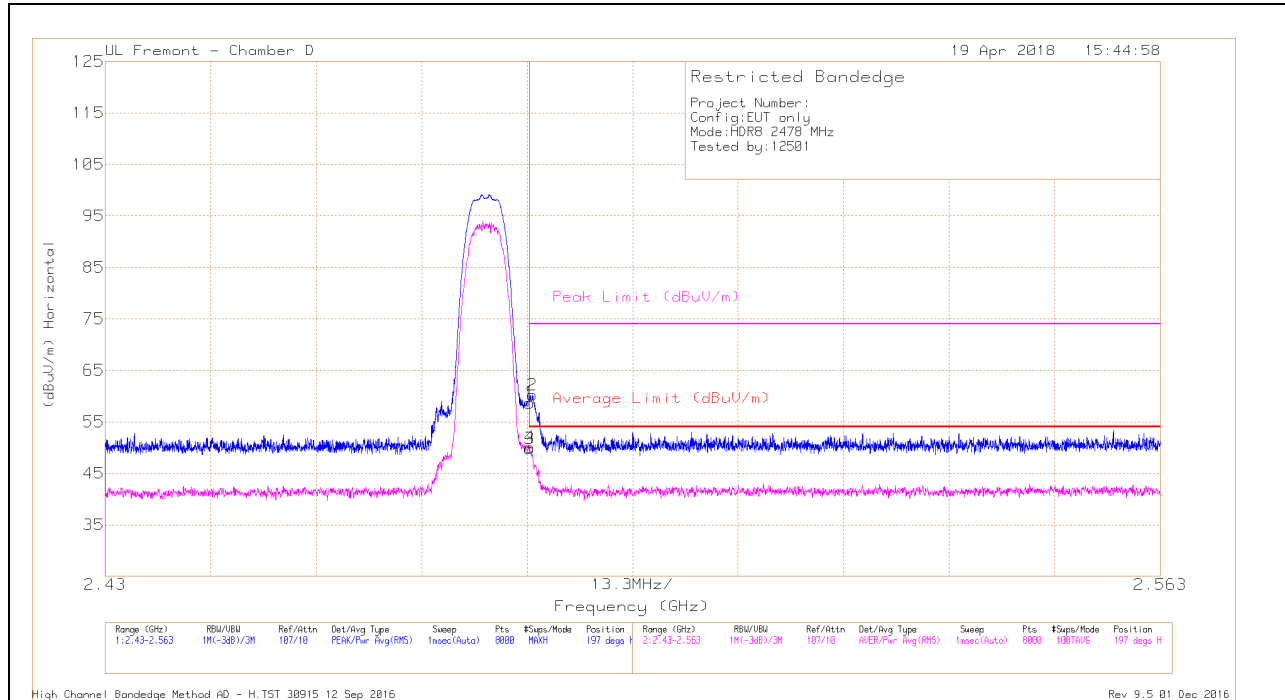
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



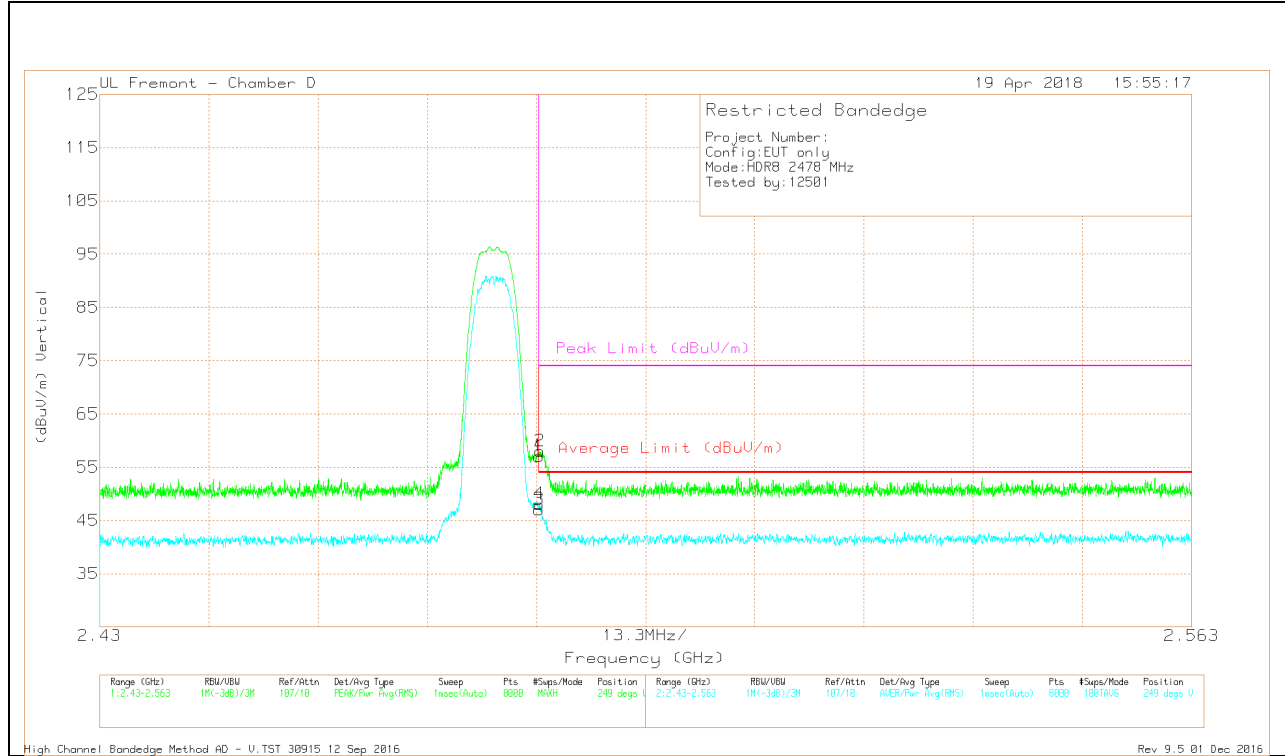
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filtz/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	46.71	Pk	32.4	-20.4	58.71	-	-	74	-15.29	197	217	H
2	* 2.484	48.31	Pk	32.4	-20.5	60.21	-	-	74	-13.79	197	217	H
3	* 2.484	37.82	RMS	32.4	-20.4	49.82	54	-4.18	-	-	197	217	H
4	* 2.484	38.18	RMS	32.4	-20.5	50.08	54	-3.92	-	-	197	217	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/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	45.1	Pk	32.4	-20.4	57.1	-	-	74	-16.9	249	272	V
2	* 2.484	46.11	Pk	32.4	-20.5	58.01	-	-	74	-15.99	249	272	V
3	* 2.484	35.07	RMS	32.4	-20.4	47.07	54	-6.93	-	-	249	272	V
4	* 2.484	36.15	RMS	32.4	-20.5	48.05	54	-5.95	-	-	249	272	V

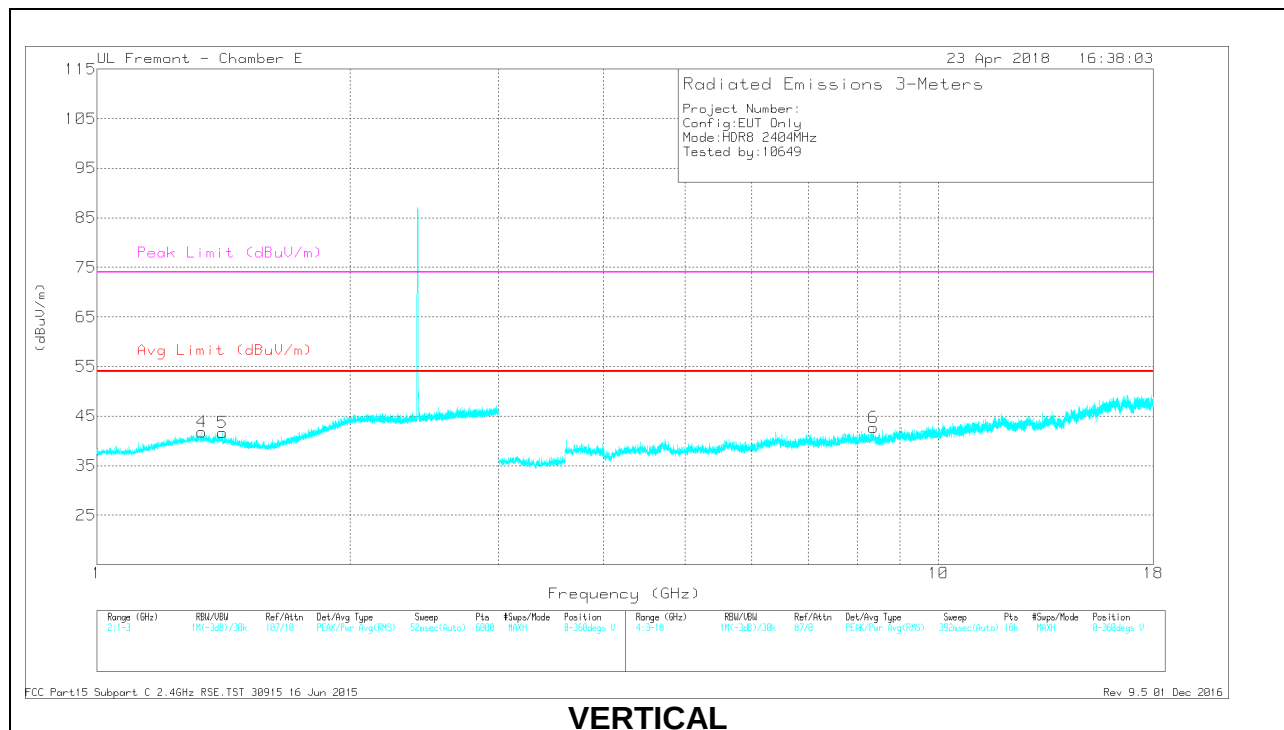
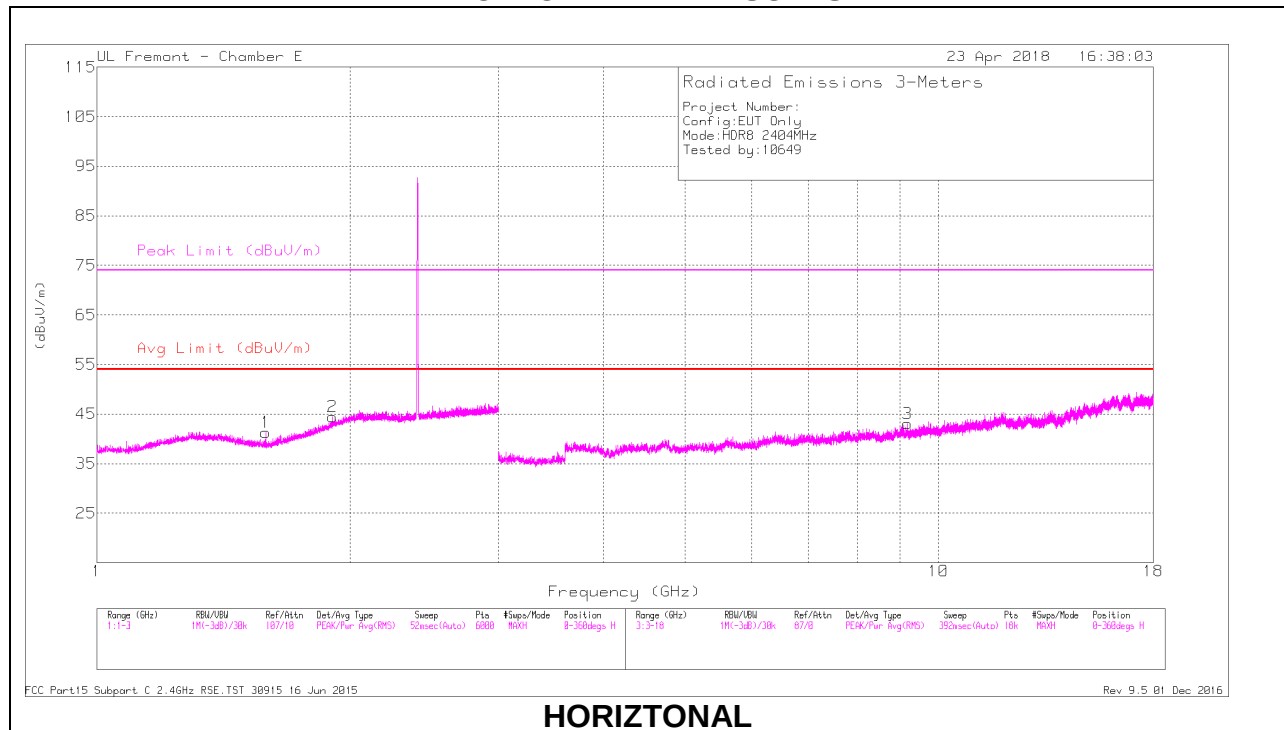
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

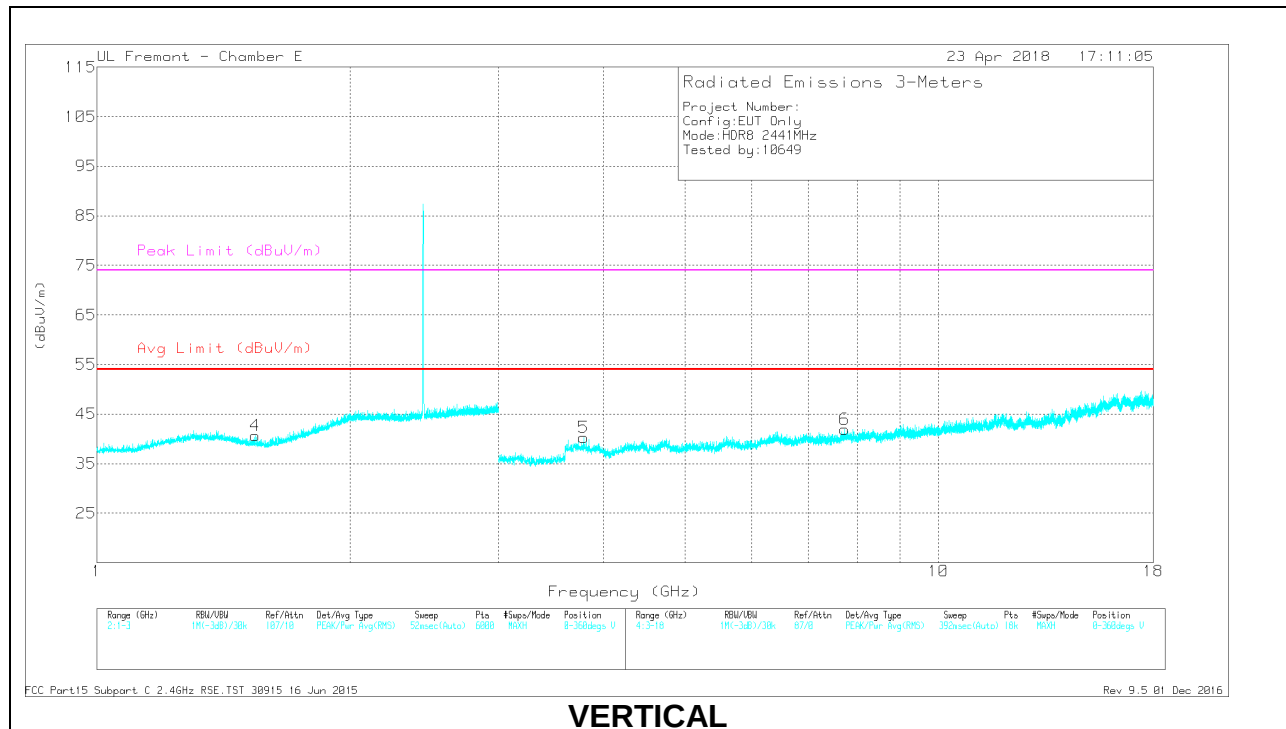
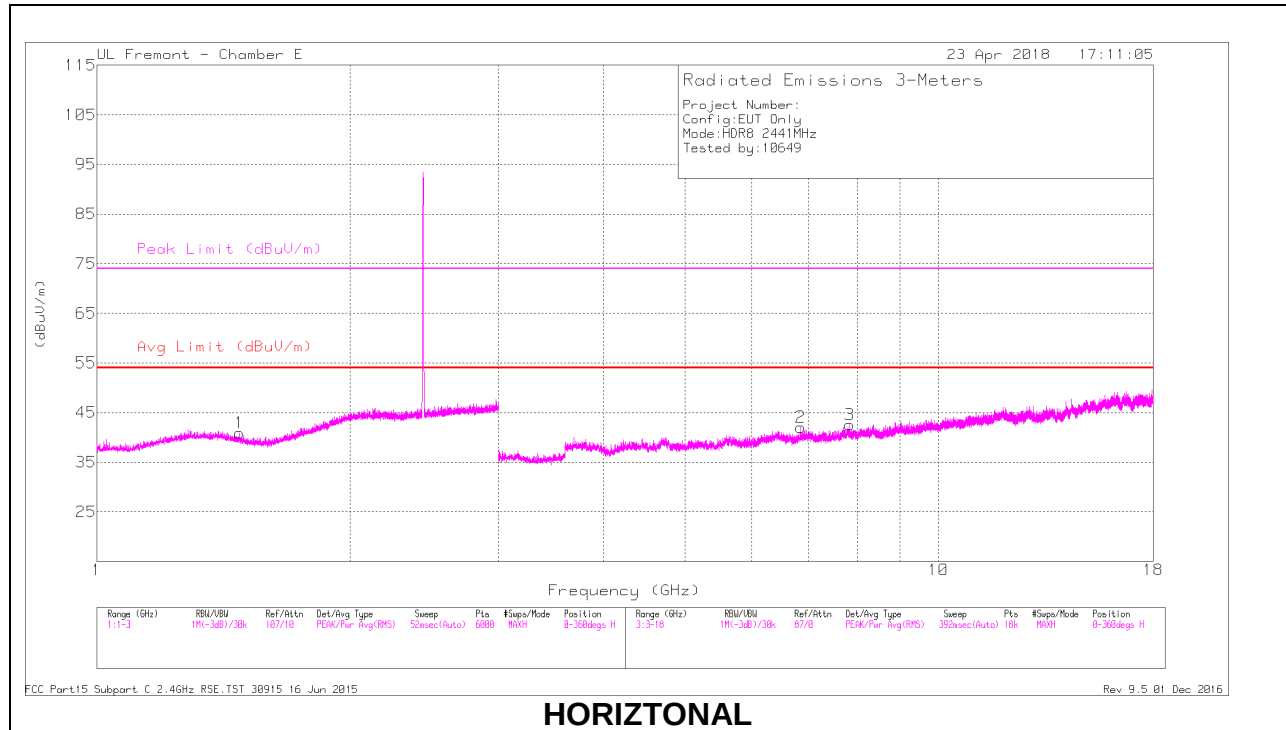
Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.585	44.3	PK2	27.2	-24.5	47	-	-	74	-27	0	126	H
	* 1.586	31.62	MAv1	27.2	-24.5	34.32	54	-19.68	-	-	0	126	H
4	* 1.331	44.65	PK2	28.9	-25.2	48.35	-	-	74	-25.65	27	153	V
	* 1.333	32.65	MAv1	28.9	-25.2	36.35	54	-17.65	-	-	27	153	V
5	* 1.405	44.43	PK2	28.7	-25	48.13	-	-	74	-25.87	94	114	V
	* 1.41	32.58	MAv1	28.7	-25	36.28	54	-17.72	-	-	94	114	V
3	* 9.187	36.22	PK2	37.1	-24.5	48.82	-	-	74	-25.18	49	188	H
	* 9.186	24.19	MAv1	37.1	-24.5	36.79	54	-17.21	-	-	49	188	H
6	* 8.371	37.07	PK2	36.5	-24.7	48.87	-	-	74	-25.13	79	108	V
	* 8.371	25.55	MAv1	36.5	-24.7	37.35	54	-16.65	-	-	79	108	V
2	1.905	43.88	PK2	30.9	-23.8	50.98	-	-	-	-	53	103	H

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS



RADIATED EMISSIONS

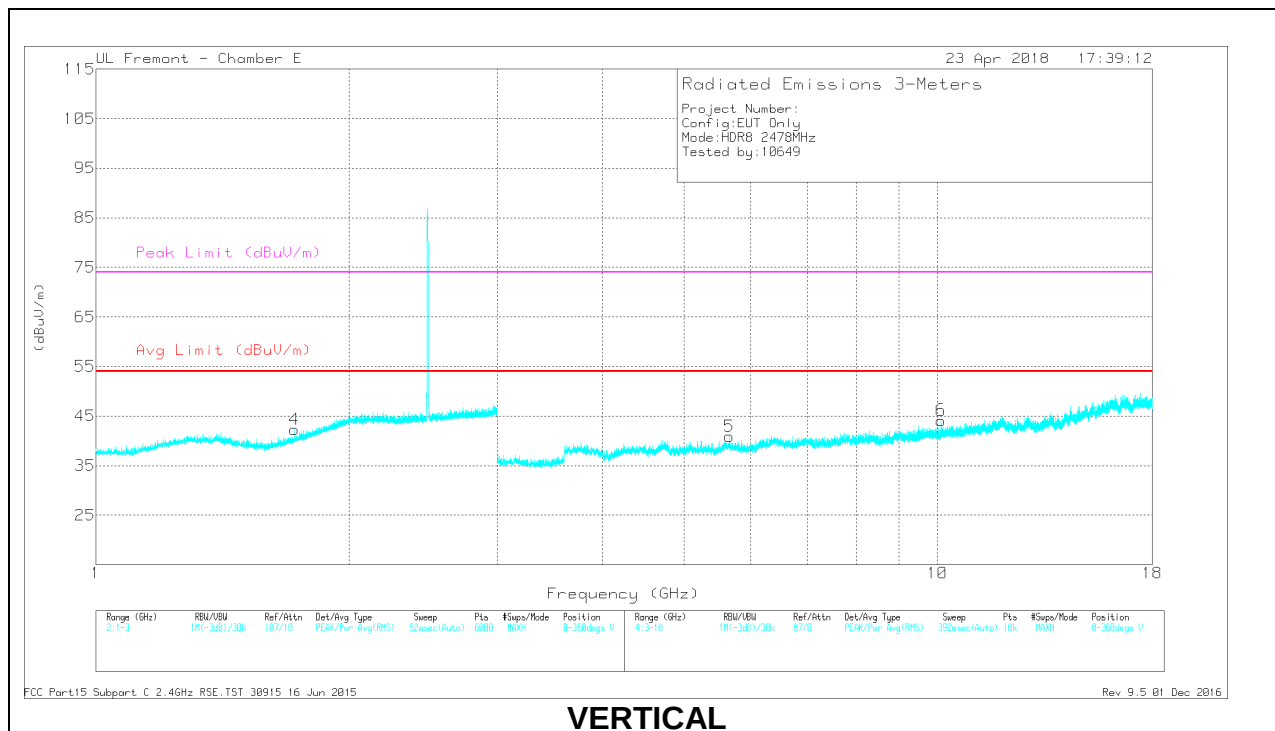
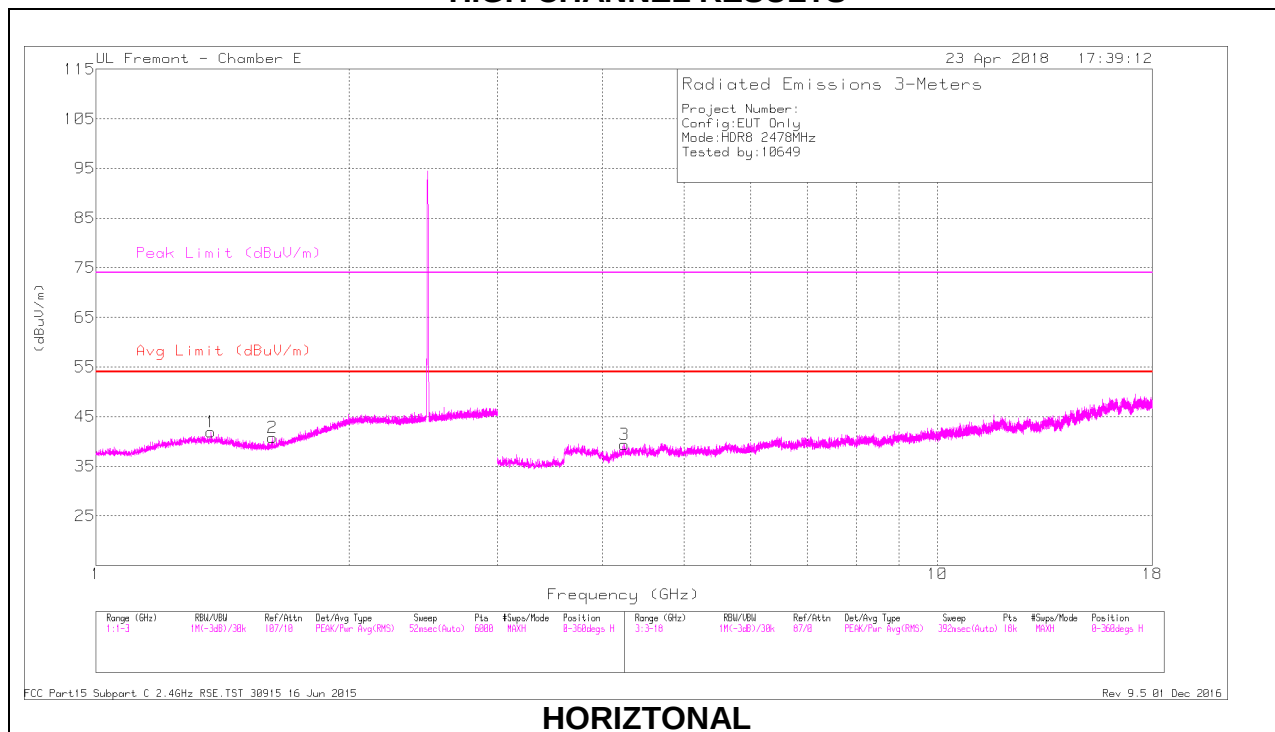
Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.477	44.9	PK2	27.9	-24.8	48	-	-	74	-26	183	388	H
	* 1.479	32.01	MAv1	27.9	-24.8	35.11	54	-18.89	-	-	183	388	H
4	* 1.541	44.19	PK2	27.4	-24.6	46.99	-	-	74	-27.01	144	393	V
	* 1.54	32.16	MAv1	27.4	-24.7	34.86	54	-19.14	-	-	144	393	V
5	* 3.786	41.53	PK2	33.6	-29.7	45.43	-	-	74	-28.57	161	378	V
	* 3.789	29.55	MAv1	33.6	-29.7	33.45	54	-20.55	-	-	161	378	V
6	* 7.732	38.62	PK2	36.5	-26.7	48.42	-	-	74	-25.58	213	309	V
	* 7.734	26.73	MAv1	36.5	-26.7	36.53	54	-17.47	-	-	213	309	V
2	6.855	39.74	PK2	35.9	-27.6	48.04	-	-	-	-	203	361	H
3	7.846	37.65	PK2	36.5	-25.4	48.75	-	-	-	-	196	327	H

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Fitr/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	* 1.368	45.05	PK2	28.8	-25.2	48.65	-	-	74	-25.35	265	208	H
	* 1.372	32.1	MAv1	28.8	-25.2	35.7	54	-18.3	-	-	265	208	H
2	* 1.623	44.84	PK2	27.4	-24.4	47.84	-	-	74	-26.16	286	224	H
	* 1.622	31.97	MAv1	27.4	-24.4	34.97	54	-19.03	-	-	286	224	H
4	* 1.721	44.02	PK2	28.5	-24.2	48.32	-	-	74	-25.68	218	193	V
	* 1.722	31.78	MAv1	28.5	-24.2	36.08	54	-17.92	-	-	218	193	V
3	* 4.241	40.33	PK2	33.8	-28.6	45.53	-	-	74	-28.47	149	260	H
	* 4.243	28.83	MAv1	33.8	-28.5	34.13	54	-19.87	-	-	149	260	H
5	5.654	39.78	PK2	35.1	-28	46.88	-	-	-	-	233	218	V
6	10.101	35.5	PK2	37.6	-22.6	50.5	-	-	-	-	277	255	V

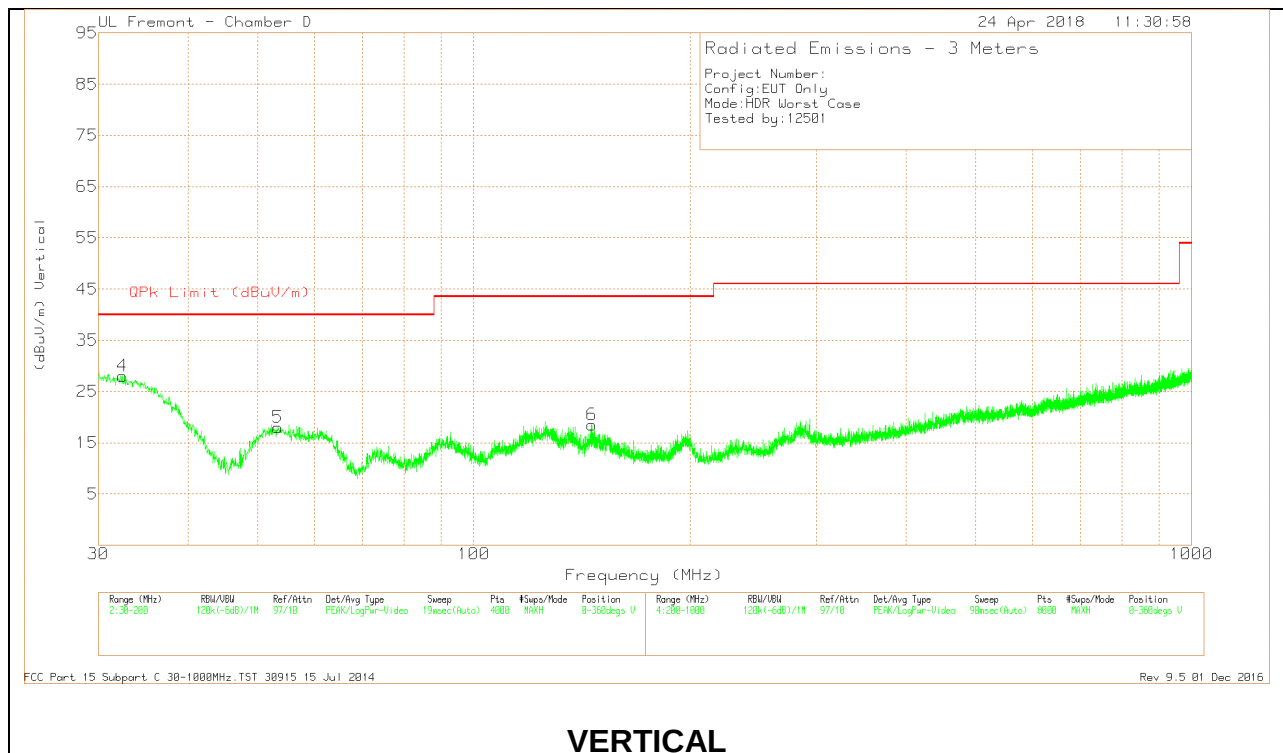
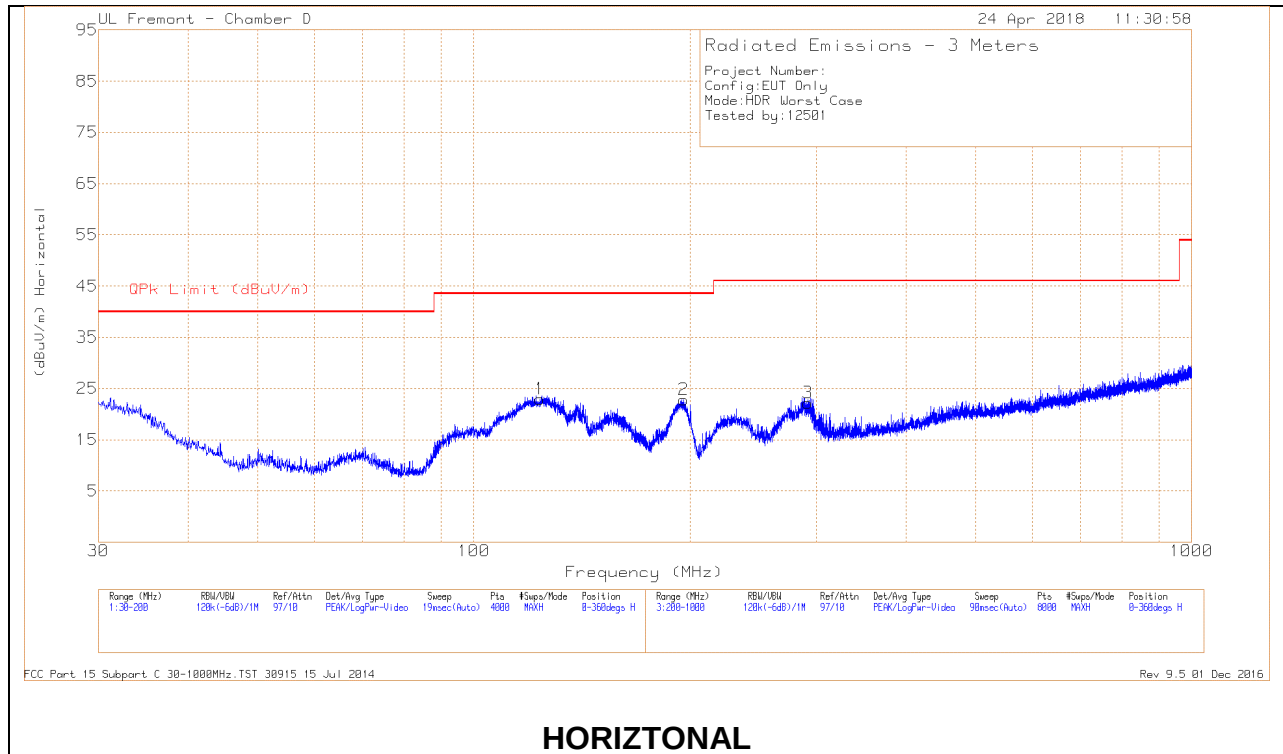
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

9.3. Worst Case below 1 GHz

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



Below 1GHz Data

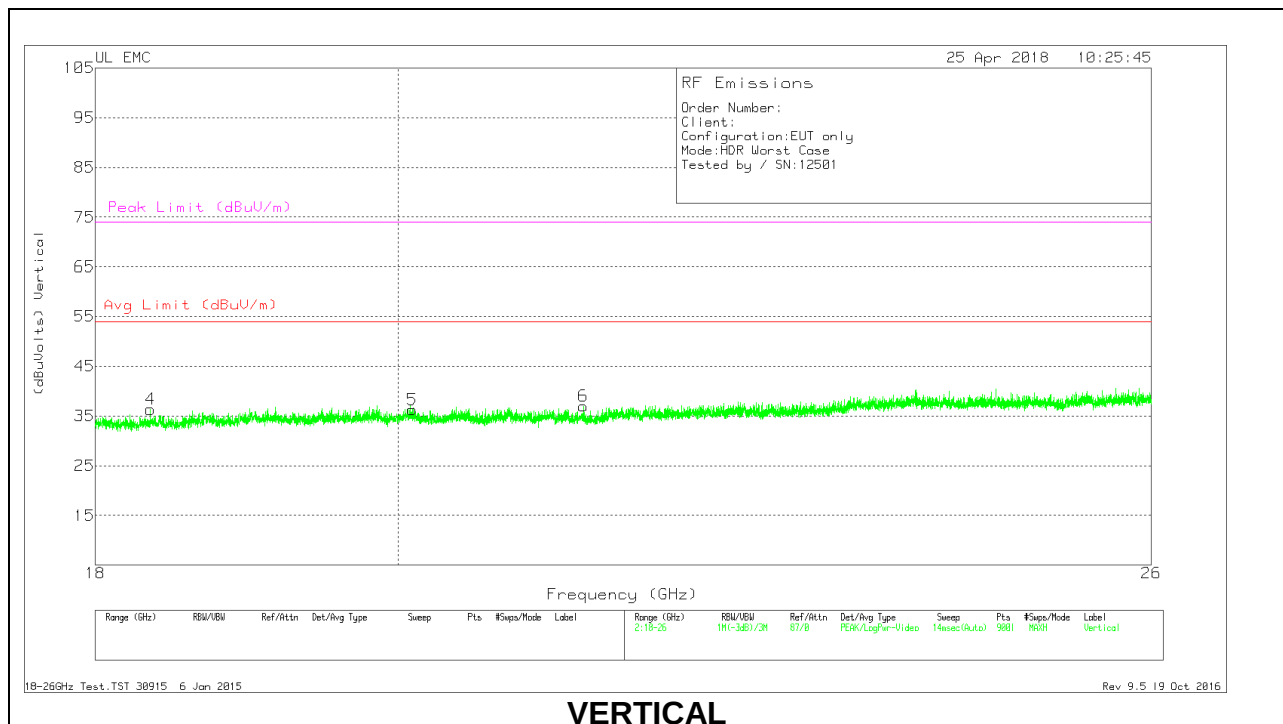
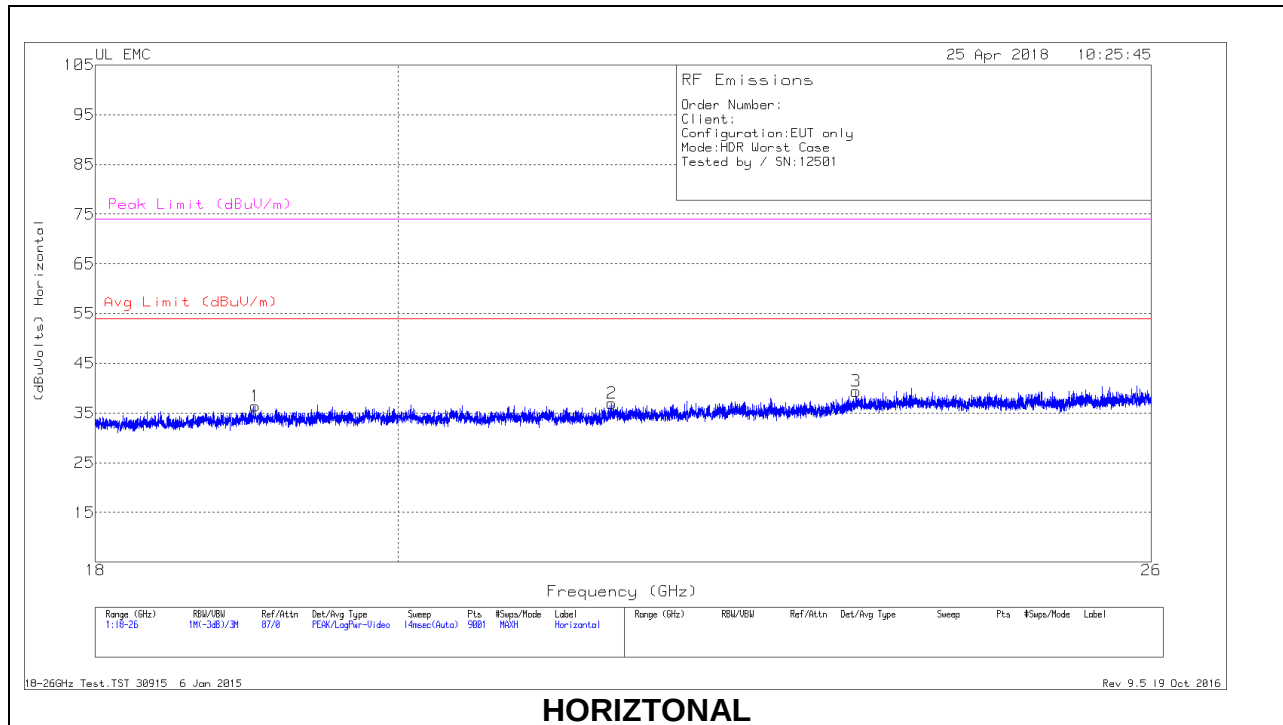
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T477 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 123.6942	35.69	Pk	18.4	-31.2	22.89	43.52	-20.63	0-360	199	H
4	32.3806	35.56	Pk	24.4	-31.9	28.06	40	-11.94	0-360	100	V
5	53.3811	37.61	Pk	12.1	-31.7	18.01	40	-21.99	0-360	100	V
6	145.97	32.63	Pk	17	-31.1	18.53	43.52	-24.99	0-360	100	V
2	196.218	37.04	Pk	16.6	-30.8	22.84	43.52	-20.68	0-360	100	H
3	291.7119	34.92	Pk	17.7	-30.4	22.22	46.02	-23.8	0-360	101	H

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

Pk - Peak detector

9.4. Worst Case 18-26 GHz

SPURIOUS EMISSIONS 18-26 GHz (WORST-CASE CONFIGURATION)



18 – 26GHz DATA

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	19.029	38.2	Pk	32.5	-24.8	-9.5	36.4	54	-17.6	74	-37.6
2	21.545	38.55	Pk	33.2	-25.3	-9.5	36.95	54	-17.05	74	-37.05
3	23.459	39.66	Pk	33.9	-24.7	-9.5	39.36	54	-14.64	74	-34.64
4	18.348	38.73	Pk	32.3	-25.2	-9.5	36.33	54	-17.67	74	-37.67
5	20.1	38.09	Pk	32.8	-25.1	-9.5	36.29	54	-17.71	74	-37.71
6	21.333	38.69	Pk	33.1	-25.3	-9.5	36.99	54	-17.01	74	-37.01

Pk - Peak detector

10. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

RSS-Gen 8.8

Frequency of Emission (MHz)	Conducted Limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

* Decreases with the logarithm of the frequency.

TEST PROCEDURE

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

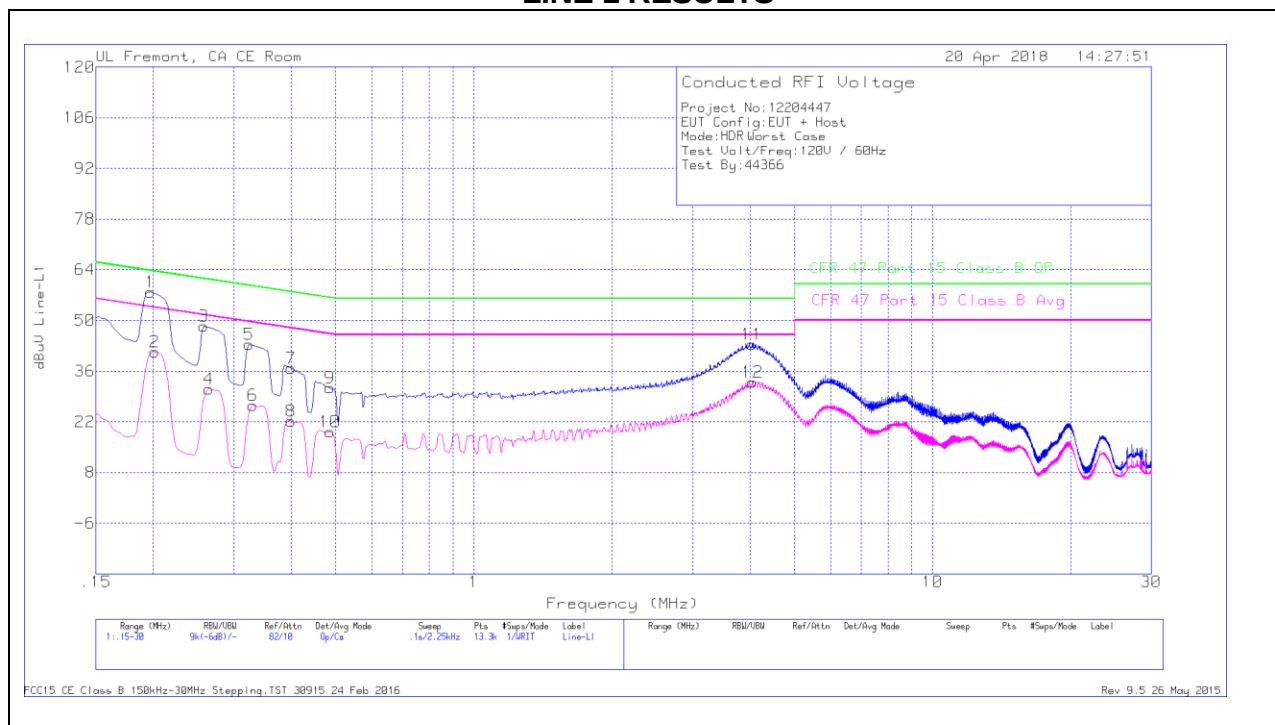
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

10.1.1. AC Power Line Host

LINE 1 RESULTS

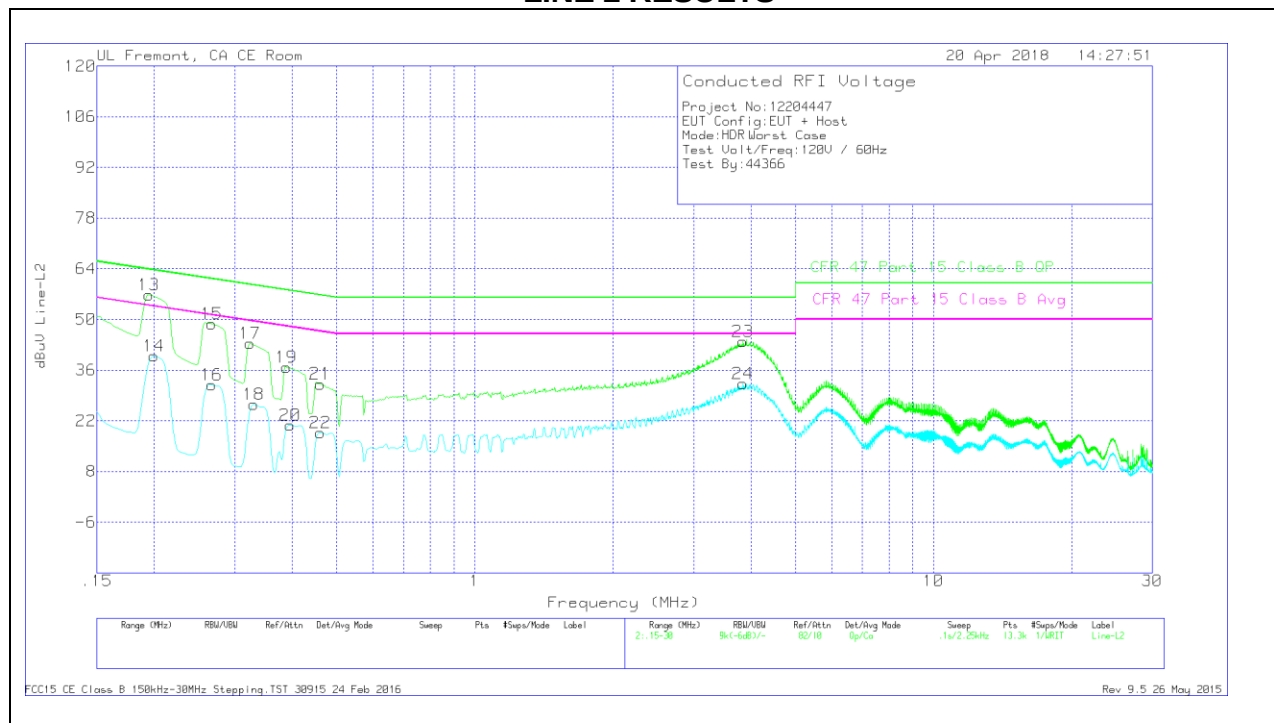


Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L1	LC Cables C1&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
1	.19725	47.72	Qp	0	0	10.1	57.82	63.73	-5.91	-	-
2	.20175	31.27	Ca	0	0	10.1	41.37	-	-	53.54	-12.17
3	.258	38.35	Qp	0	0	10.1	48.45	61.5	-13.05	-	-
4	.26475	21.02	Ca	0	0	10.1	31.12	-	-	51.28	-20.16
5	.32325	33.3	Qp	0	0	10.1	43.4	59.62	-16.22	-	-
6	.33	16.47	Ca	0	0	10.1	26.57	-	-	49.45	-22.88
7	.39975	26.65	Qp	0	0	10.1	36.75	57.86	-21.11	-	-
8	.39975	12.07	Ca	0	0	10.1	22.17	-	-	47.86	-25.69
9	.48525	21.32	Qp	0	0	10.1	31.42	56.25	-24.83	-	-
10	.48525	9.16	Ca	0	0	10.1	19.26	-	-	46.25	-26.99
11	4.0425	33.17	Qp	0	.1	10.1	43.37	56	-12.63	-	-
12	4.047	22.8	Ca	0	.1	10.1	33	-	-	46	-13

Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 2 RESULTS



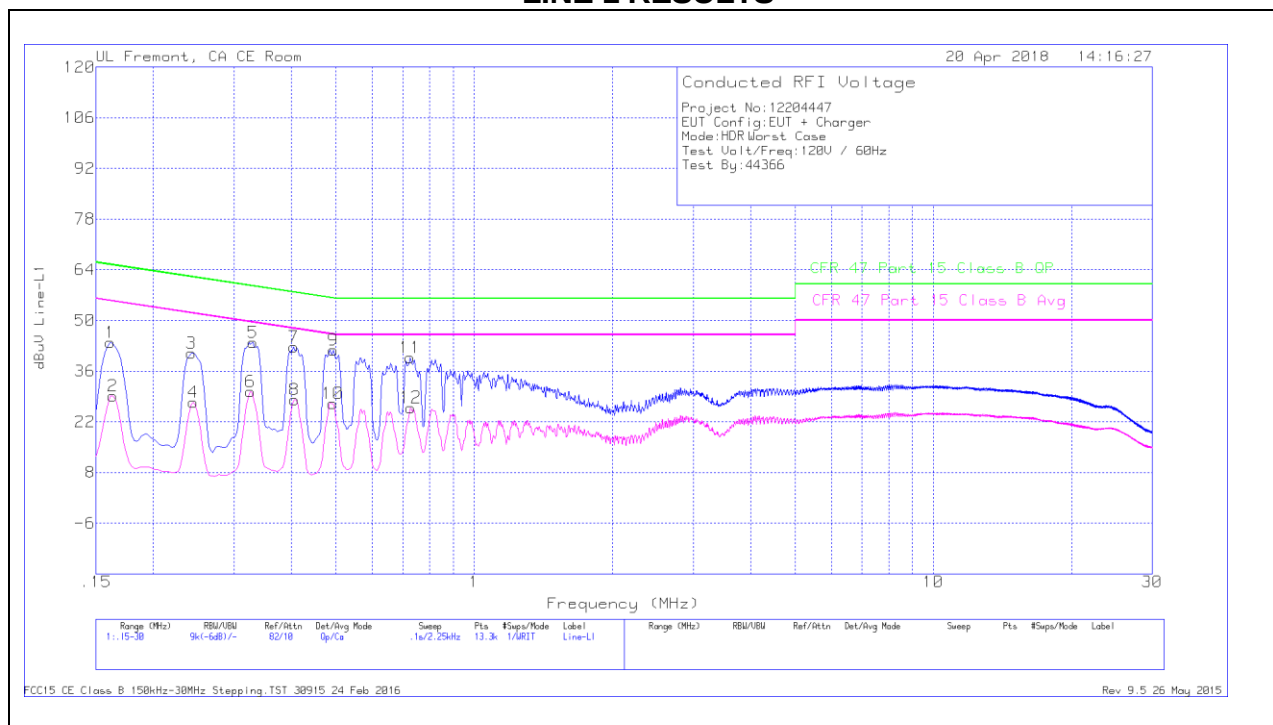
Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L2	LC Cables C2&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
13	.195	46.68	Qp	0	0	10.1	56.78	63.82	-7.04	-	-
14	.1995	29.76	Ca	0	0	10.1	39.86	-	-	53.63	-13.77
15	.267	38.73	Qp	0	0	10.1	48.83	61.21	-12.38	-	-
16	.267	21.87	Ca	0	0	10.1	31.97	-	-	51.21	-19.24
17	.32325	33.25	Qp	0	0	10.1	43.35	59.62	-16.27	-	-
18	.33	16.37	Ca	0	0	10.1	26.47	-	-	49.45	-22.98
19	.3885	26.73	Qp	0	0	10.1	36.83	58.1	-21.27	-	-
20	.39637	10.76	Ca	0	0	10.1	20.86	-	-	47.93	-27.07
21	.4605	22.08	Qp	0	0	10.1	32.18	56.68	-24.5	-	-
22	.4605	8.64	Ca	0	0	10.1	18.74	-	-	46.68	-27.94
23	3.8445	33.7	Qp	0	.1	10.1	43.9	56	-12.1	-	-
24	3.8445	21.99	Ca	0	.1	10.1	32.19	-	-	46	-13.81

Qp - Quasi-Peak detector

Ca - CISPR average detection

10.1.2. AC Power Line Norm

LINE 1 RESULTS

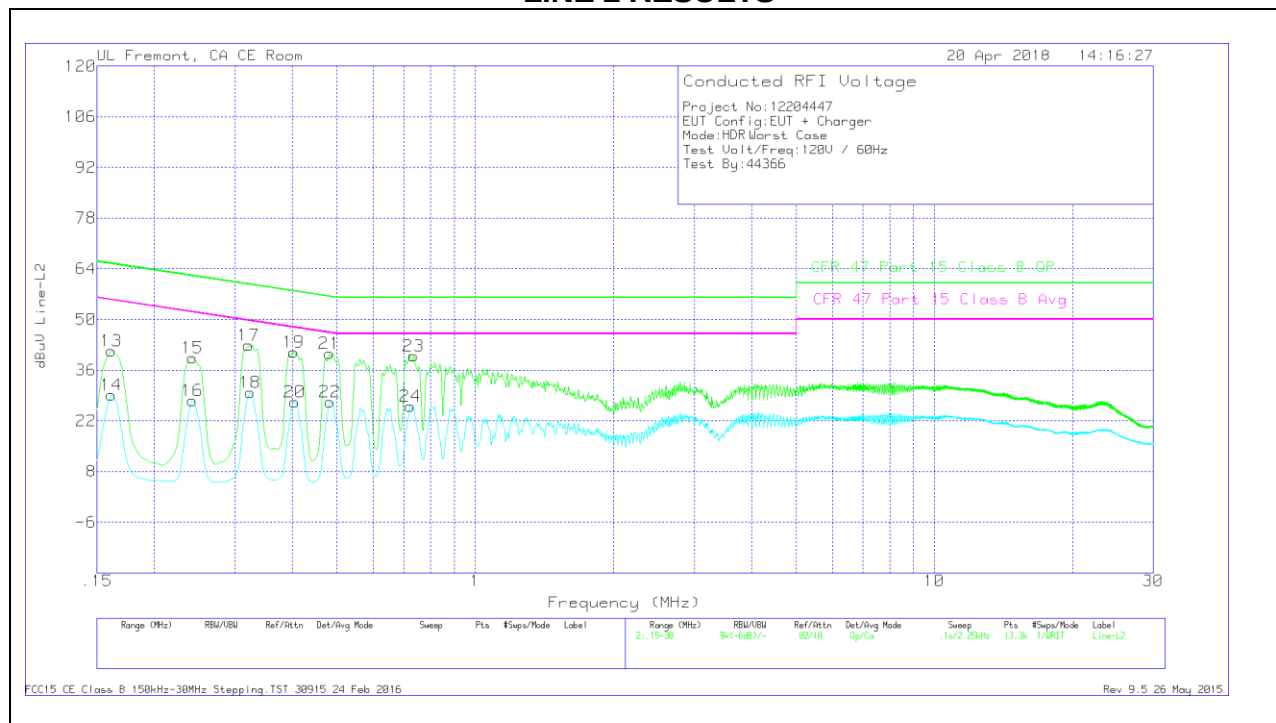


Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L1	LC Cables C1&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
1	.16125	33.75	Qp	.1	0	10.1	43.95	65.4	-21.45	-	-
2	.1635	18.95	Ca	.1	0	10.1	29.15	-	-	55.28	-26.13
3	.24225	30.86	Qp	0	0	10.1	40.96	62.02	-21.06	-	-
4	.2445	17.31	Ca	0	0	10.1	27.41	-	-	51.94	-24.53
5	.33	33.8	Qp	0	0	10.1	43.9	59.45	-15.55	-	-
6	.3255	20.27	Ca	0	0	10.1	30.37	-	-	49.57	-19.2
7	.40425	32.53	Qp	0	0	10.1	42.63	57.77	-15.14	-	-
8	.4065	18.07	Ca	0	0	10.1	28.17	-	-	47.72	-19.55
9	.49425	31.65	Qp	0	0	10.1	41.75	56.1	-14.35	-	-
10	.492	17	Ca	0	0	10.1	27.1	-	-	46.13	-19.03
11	.726	29.66	Qp	0	0	10.1	39.76	56	-16.24	-	-
12	.72825	15.82	Ca	0	0	10.1	25.92	-	-	46	-20.08

Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 2 RESULTS



Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L2	LC Cables C2&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
13	.16125	31.26	Qp	0	0	10.1	41.36	65.4	-24.04	-	-
14	.16125	19.07	Ca	0	0	10.1	29.17	-	-	55.4	-26.23
15	.24225	29.32	Qp	0	0	10.1	39.42	62.02	-22.6	-	-
16	.24225	17.53	Ca	0	0	10.1	27.63	-	-	52.02	-24.39
17	.321	32.73	Qp	0	0	10.1	42.83	59.68	-16.85	-	-
18	.32325	19.69	Ca	0	0	10.1	29.79	-	-	49.62	-19.83
19	.402	30.93	Qp	0	0	10.1	41.03	57.81	-16.78	-	-
20	.40425	17.18	Ca	0	0	10.1	27.28	-	-	47.77	-20.49
21	.48075	30.44	Qp	0	0	10.1	40.54	56.33	-15.79	-	-
22	.483	17.07	Ca	0	0	10.1	27.17	-	-	46.29	-19.12
23	.735	29.78	Qp	0	0	10.1	39.88	56	-16.12	-	-
24	.72375	15.97	Ca	0	0	10.1	26.07	-	-	46	-19.93

Qp - Quasi-Peak detector

Ca - CISPR average detection

END OF REPORT

11. SETUP PHOTOS

Please refer to 12204447-EP1V1 for setup photos