

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.

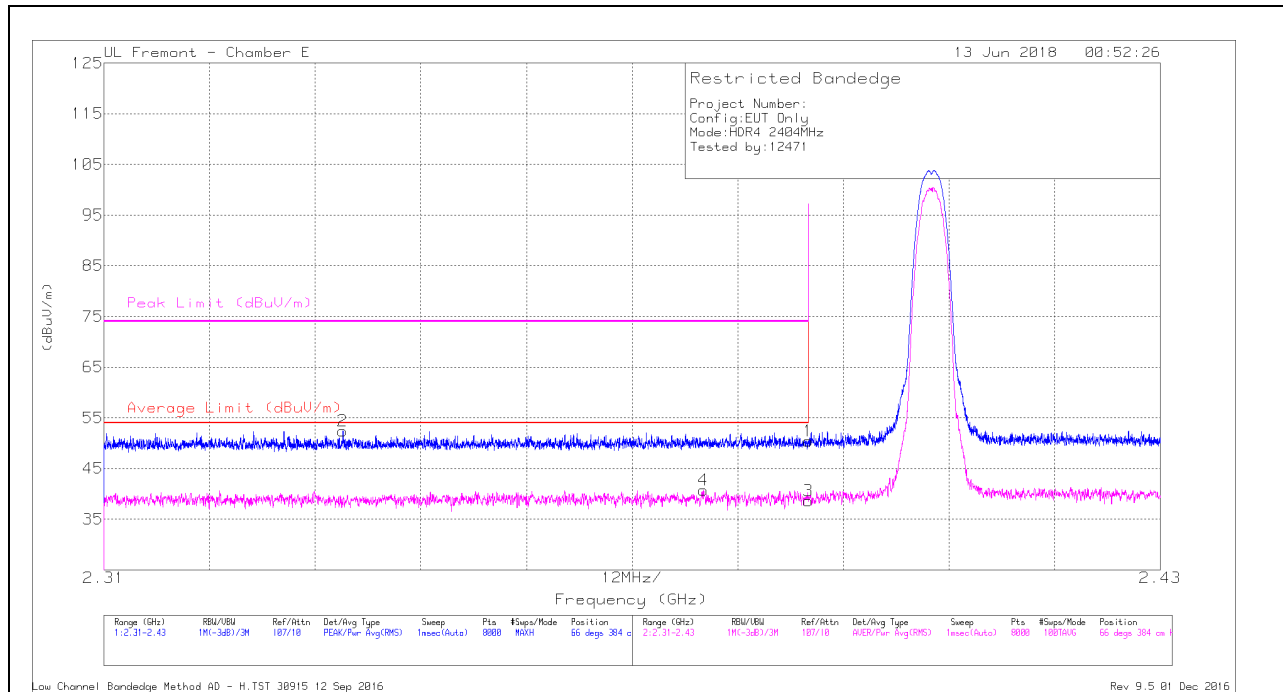
9.2. TRANSMITTER ABOVE 1 GHz

9.2.1. HIGH POWER HDR4

Antenna 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



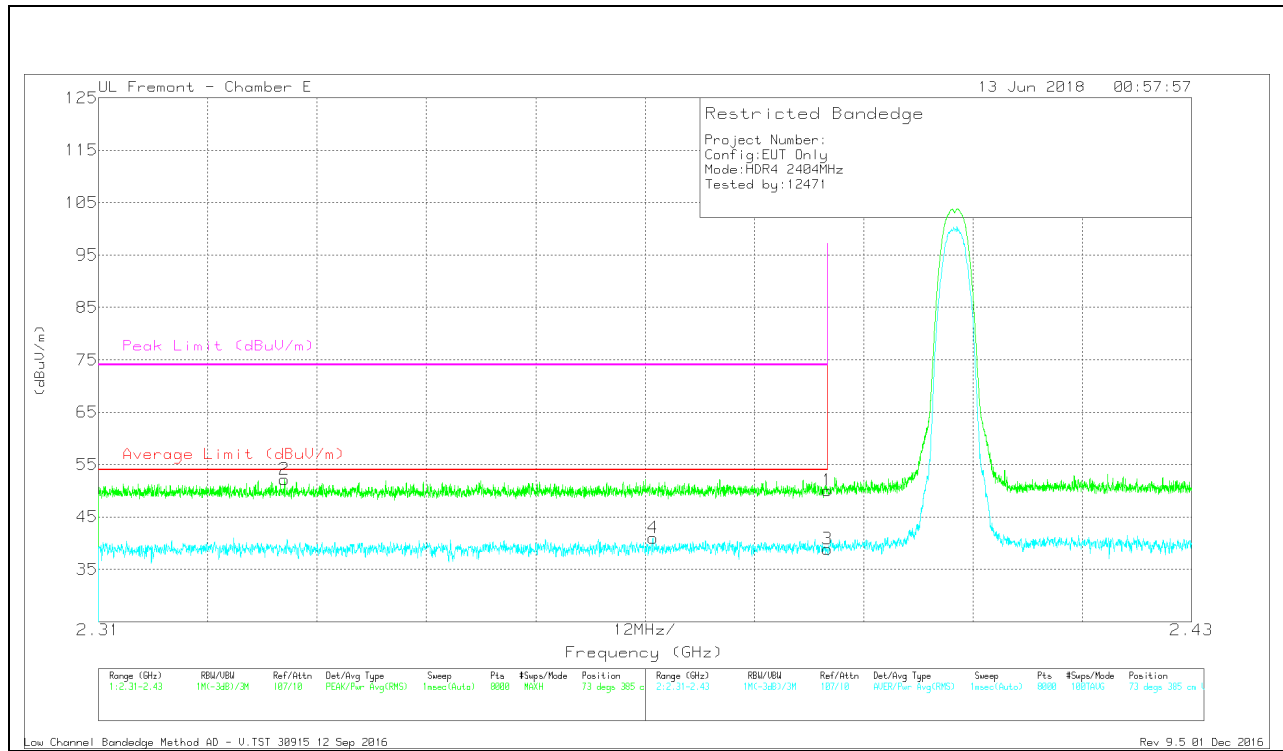
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filt/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	41.01	Pk	32	-22.6	50.41	-	-	74	-23.59	66	384	H
2	* 2.337	43.3	Pk	31.8	-22.7	52.4	-	-	74	-21.6	66	384	H
3	* 2.39	29.23	RMS	32	-22.6	38.63	54	-15.37	-	-	66	384	H
4	* 2.378	31.46	RMS	31.9	-22.6	40.76	54	-13.24	-	-	66	384	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/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
2	* 2.33	43.08	Pk	31.8	-22.7	52.18	-	-	74	-21.82	73	385	V
4	* 2.371	31.82	RMS	31.9	-22.7	41.02	54	-12.98	-	-	73	385	V
1	* 2.39	40.68	Pk	32	-22.6	50.08	-	-	74	-23.92	73	385	V
3	* 2.39	29.44	RMS	32	-22.6	38.84	54	-15.16	-	-	73	385	V

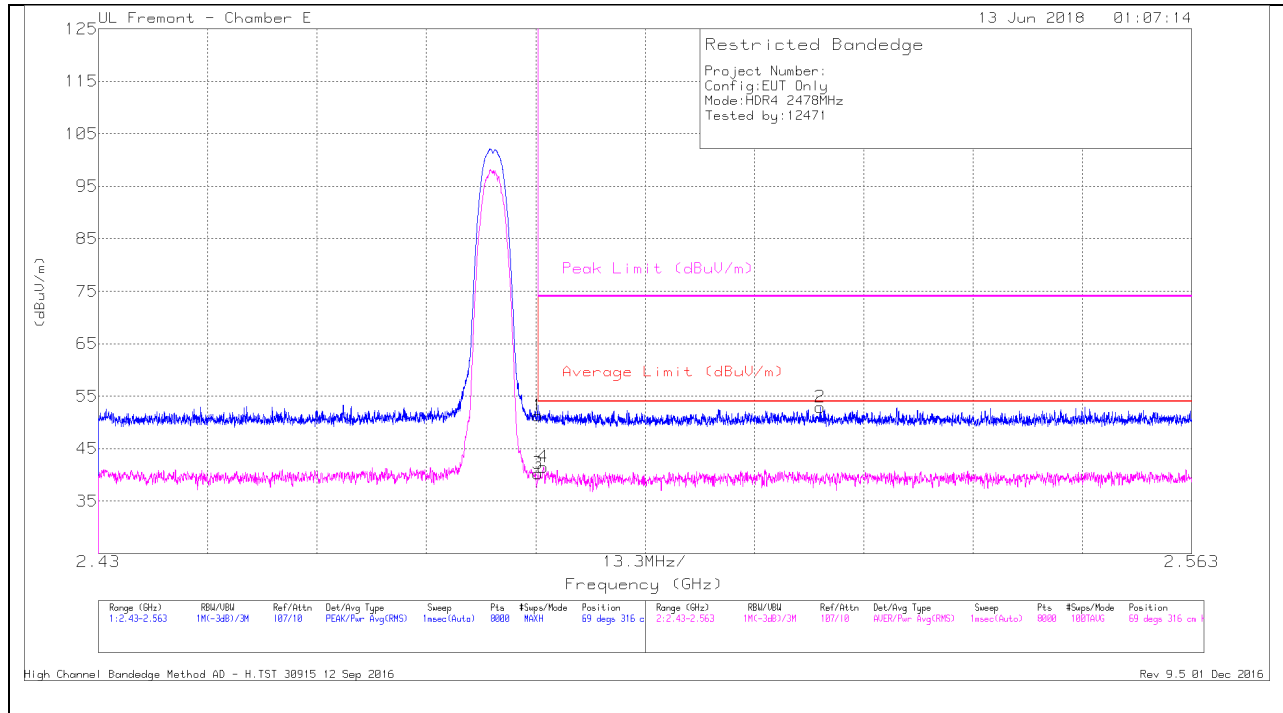
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



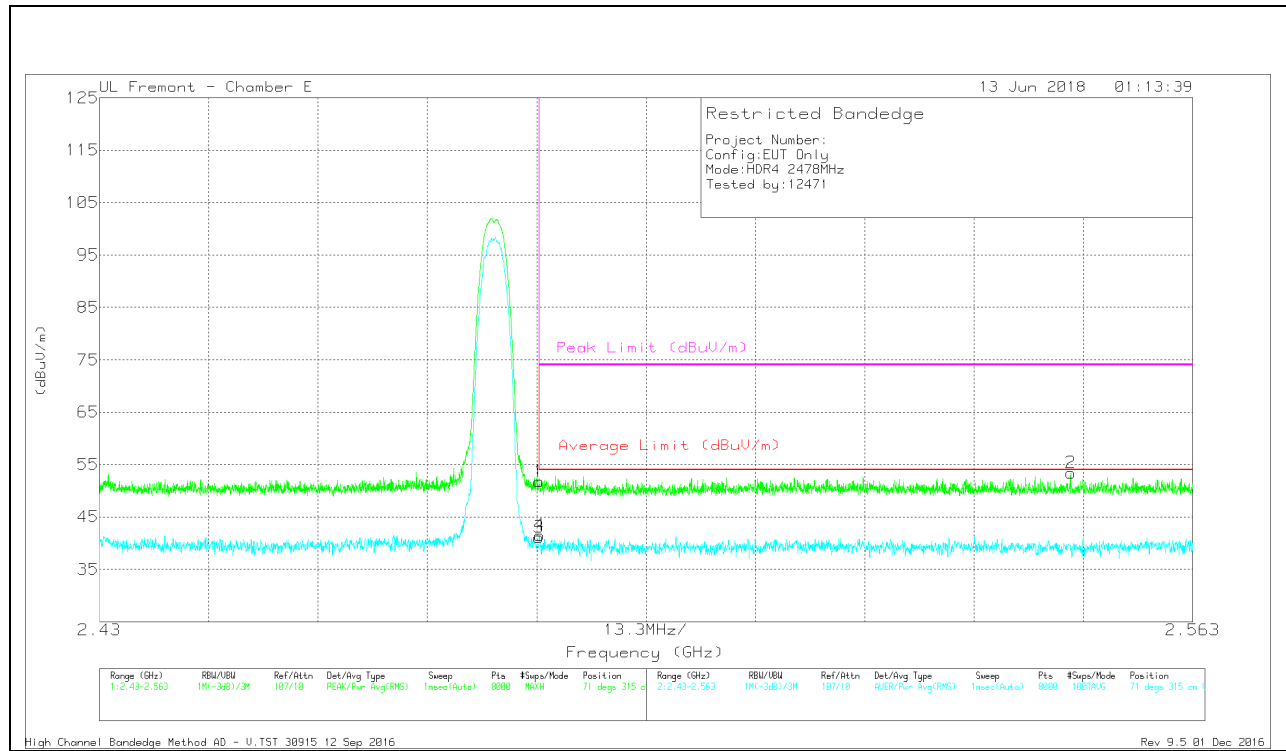
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filt/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	41.54	Pk	32.1	-22.3	51.34	-	-	74	-22.66	69	316	H
3	* 2.484	30.46	RMS	32.1	-22.3	40.26	54	-13.74	-	-	69	316	H
4	* 2.484	31.63	RMS	32.1	-22.3	41.43	54	-12.57	-	-	69	316	H
2	2.518	43.03	Pk	32.1	-22.2	52.93	-	-	74	-21.07	69	316	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	42.02	Pk	32.1	-22.3	51.82	-	-	74	-22.18	71	315	V
3	* 2.484	31.29	RMS	32.1	-22.3	41.09	54	-12.91	-	-	71	315	V
4	* 2.484	31.65	RMS	32.1	-22.3	41.45	54	-12.55	-	-	71	315	V
2	2.548	43.6	Pk	32.1	-22.3	53.4	-	-	74	-20.6	71	315	V

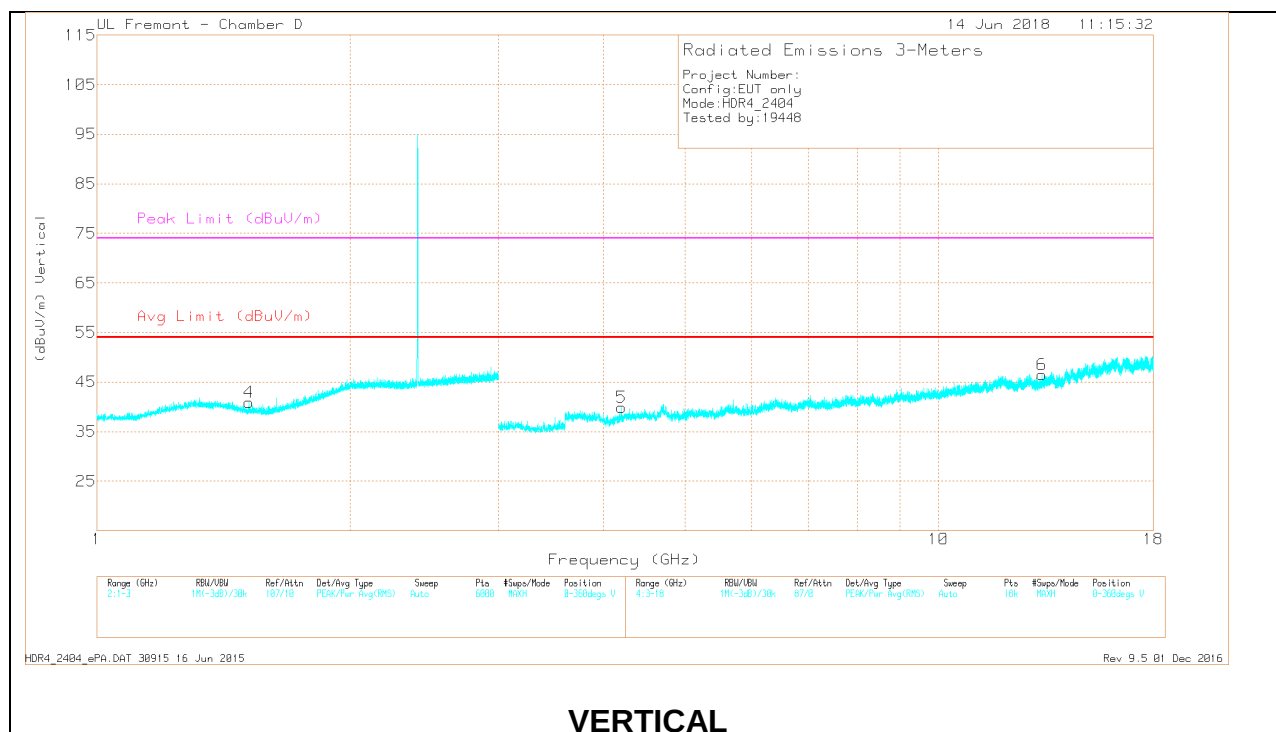
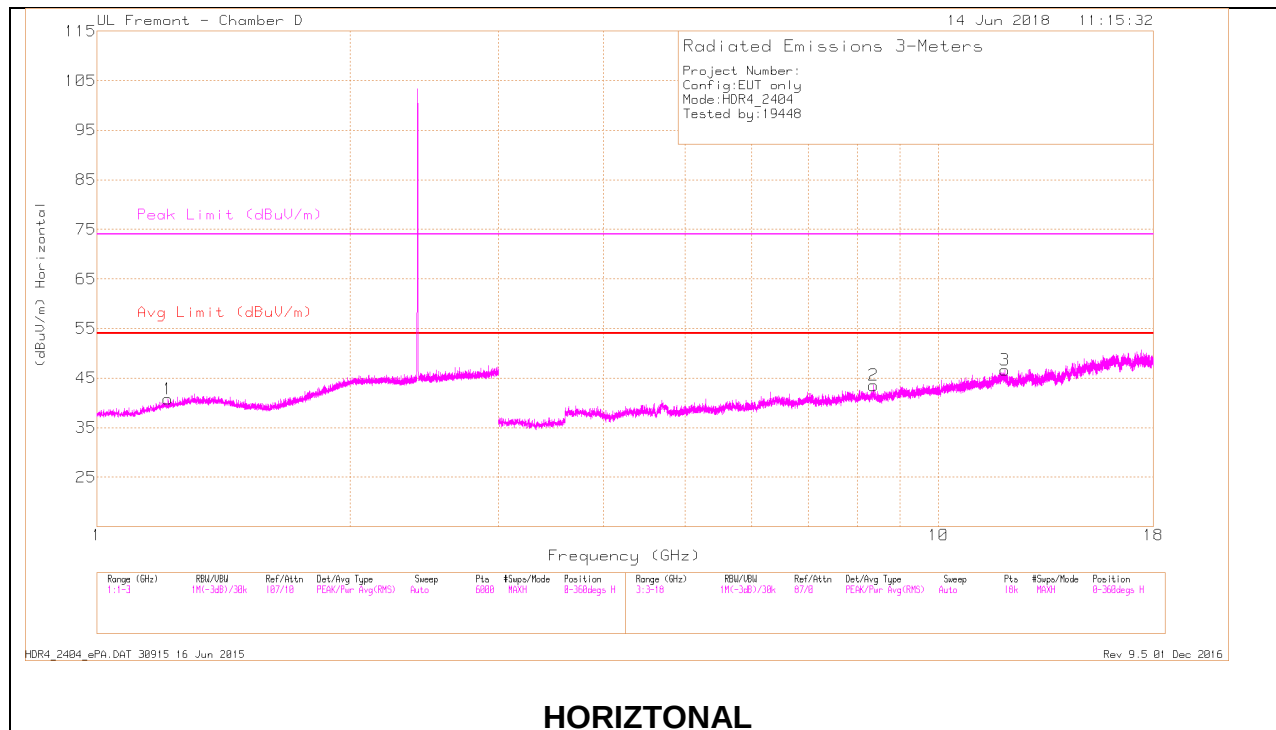
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

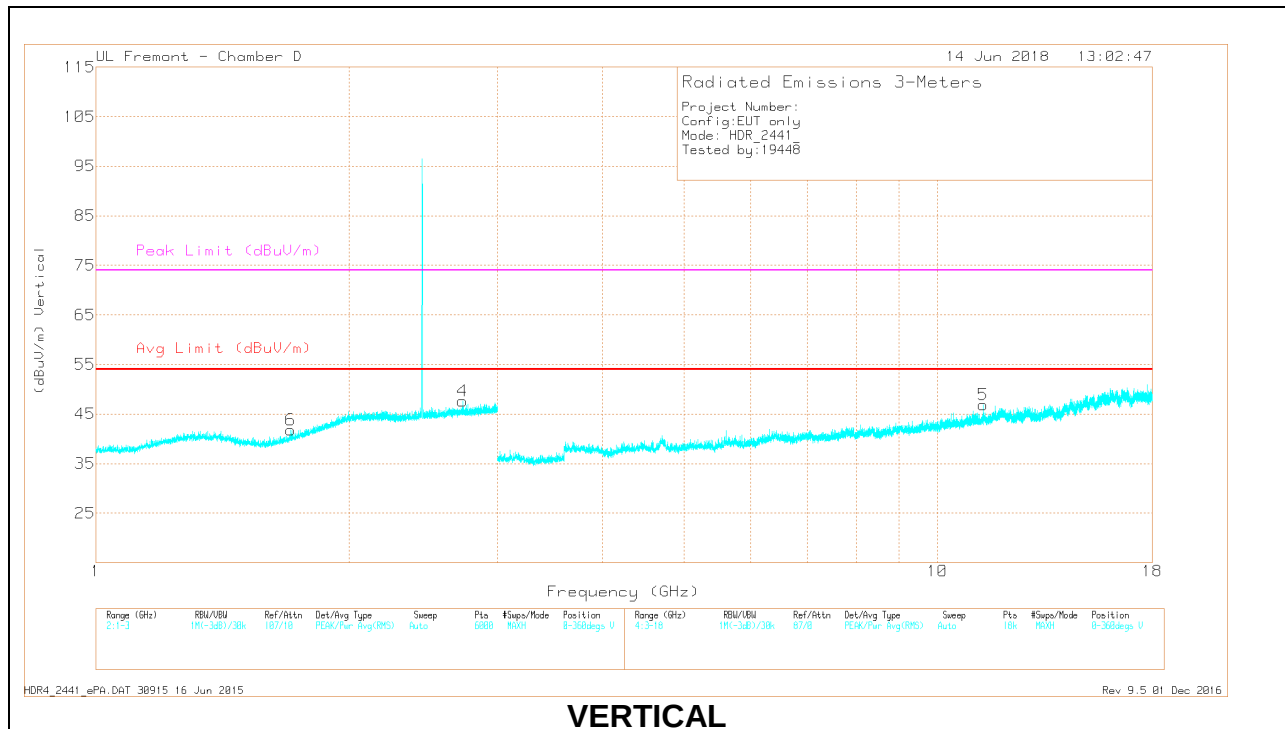
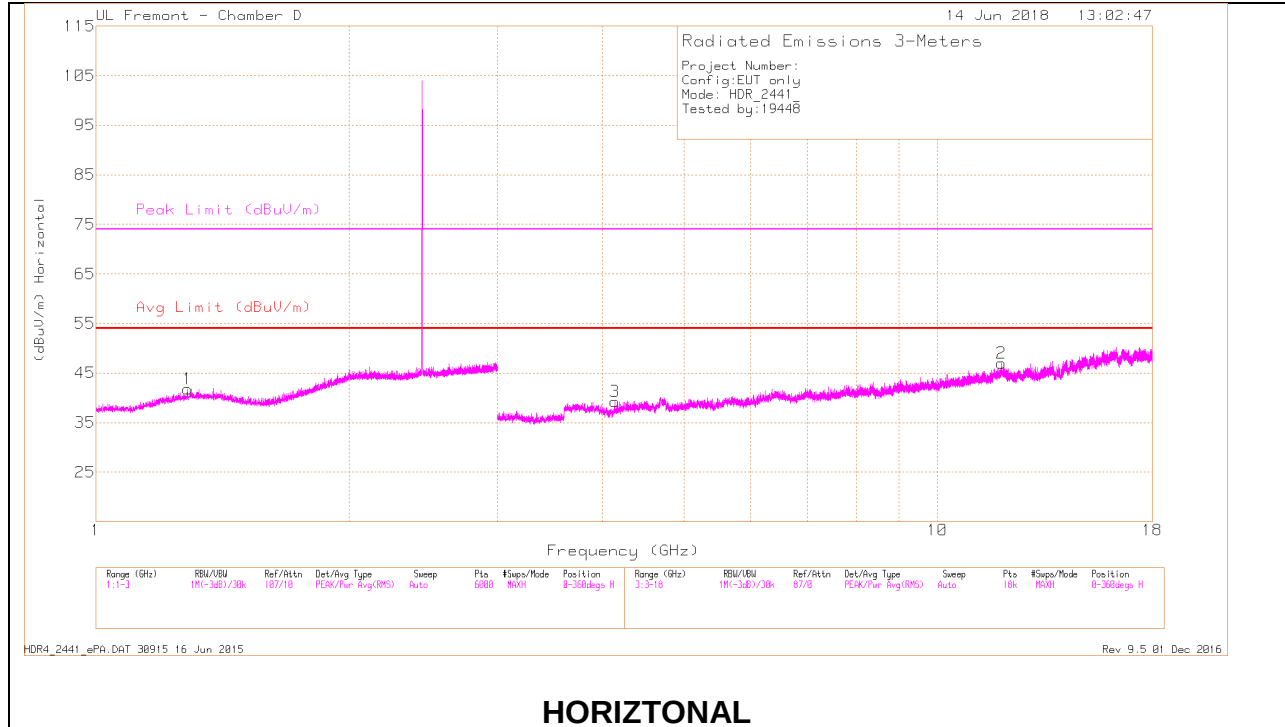
Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.213	45.08	PK2	28.1	-25.5	47.68	-	-	74	-26.32	360	100	H
	* 1.216	33.09	MAv1	28.1	-25.5	35.69	54	-18.31	-	-	360	100	H
4	* 1.518	44.35	PK2	27.5	-24.7	47.15	-	-	74	-26.85	360	100	V
	* 1.516	32.49	MAv1	27.5	-24.7	35.29	54	-18.71	-	-	360	100	V
2	* 8.373	38.1	PK2	36.5	-24.7	49.9	-	-	74	-24.1	360	100	H
	* 8.373	26.53	MAv1	36.5	-24.7	38.33	54	-15.67	-	-	360	100	H
3	* 11.986	37.65	PK2	39.7	-22.8	54.55	-	-	74	-19.45	360	100	H
	* 11.987	24.69	MAv1	39.8	-22.8	41.69	54	-12.31	-	-	360	100	H
5	* 4.2	41.46	PK2	33.7	-29.1	46.06	-	-	74	-27.94	360	100	V
	* 4.198	29.54	MAv1	33.7	-29.1	34.14	54	-19.86	-	-	360	100	V
6	* 13.282	38.12	PK2	39.2	-24.2	53.12	-	-	74	-20.88	360	100	V
	* 13.284	26.62	MAv1	39.2	-24.2	41.62	54	-12.38	-	-	360	100	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

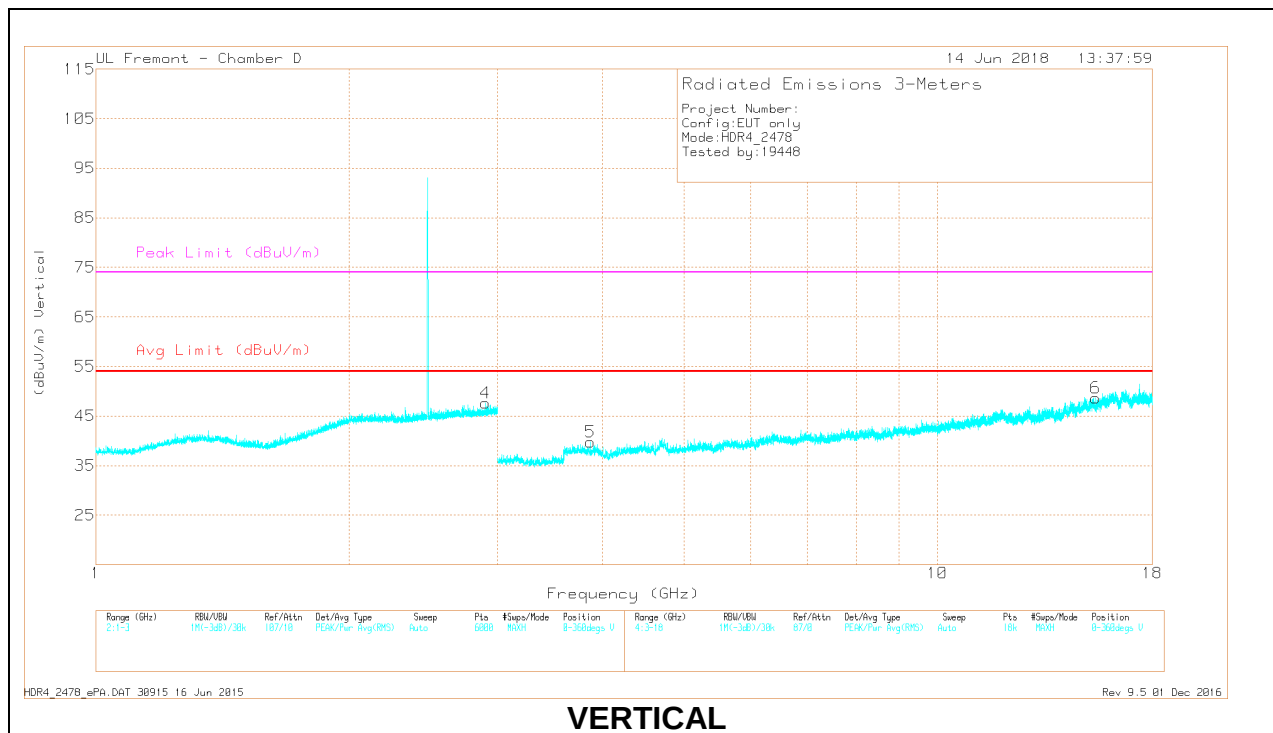
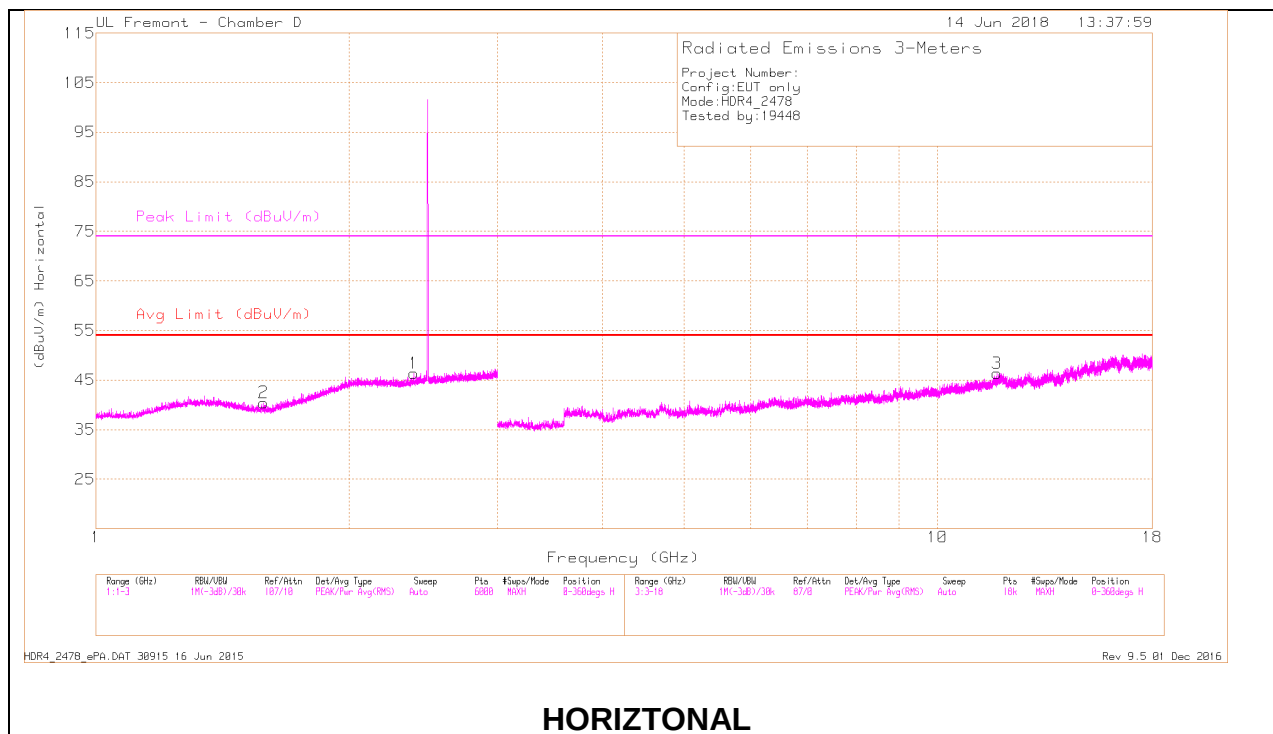
Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.284	44.83	PK2	28.8	-25.3	48.33	-	-	74	-25.67	0	100	H
	* 1.284	32.96	MAv1	28.8	-25.3	36.46	54	-17.54	-	-	0	100	H
4	* 2.728	44.23	PK2	32.5	-22	54.73	-	-	74	-19.27	0	100	V
	* 2.728	30.48	MAv1	32.5	-22	40.98	54	-13.02	-	-	0	100	V
6	* 1.705	44.68	PK2	28.3	-24.2	48.78	-	-	74	-25.22	0	200	V
	* 1.704	32.07	MAv1	28.3	-24.2	36.17	54	-17.83	-	-	0	200	V
2	* 11.913	36.36	PK2	39.4	-22.1	53.66	-	-	74	-20.34	0	100	H
	* 11.911	24.53	MAv1	39.4	-22.1	41.83	54	-12.17	-	-	0	100	H
3	* 4.135	41.72	PK2	33.6	-30	45.32	-	-	74	-28.68	0	200	H
	* 4.134	30.28	MAv1	33.6	-30	33.88	54	-20.12	-	-	0	200	H
5	* 11.337	36.44	PK2	38.6	-22.6	52.44	-	-	74	-21.56	0	100	V
	* 11.337	24.57	MAv1	38.6	-22.6	40.57	54	-13.43	-	-	0	100	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	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.384	44.55	PK2	31.9	-22.6	53.85	-	-	74	-20.15	0	200	H
	* 2.386	30.79	MAv1	31.9	-22.6	40.09	54	-13.91	-	-	0	200	H
2	* 1.581	44.21	PK2	27.2	-24.5	46.91	-	-	74	-27.09	0	101	H
	* 1.581	32.22	MAv1	27.2	-24.5	34.92	54	-19.08	-	-	0	101	H
3	* 11.768	37.06	PK2	39.4	-23.5	52.96	-	-	74	-21.04	0	100	H
	* 11.769	25.25	MAv1	39.4	-23.5	41.15	54	-12.85	-	-	0	100	H
5	* 3.871	42.98	PK2	33.7	-30.2	46.48	-	-	74	-27.52	0	100	V
	* 3.87	30.78	MAv1	33.7	-30.2	34.28	54	-19.72	-	-	0	100	V
6	* 15.417	36.79	PK2	40.3	-21.9	55.19	-	-	74	-18.81	0	100	V
	* 15.418	24.98	MAv1	40.3	-21.9	43.38	54	-10.62	-	-	0	100	V
4	2.903	43.04	PK2	32.8	-21.8	54.04	-	-	-	-	0	200	V
	2.905	29.94	MAv1	32.8	-21.8	40.94	-	-	-	-	0	200	V

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

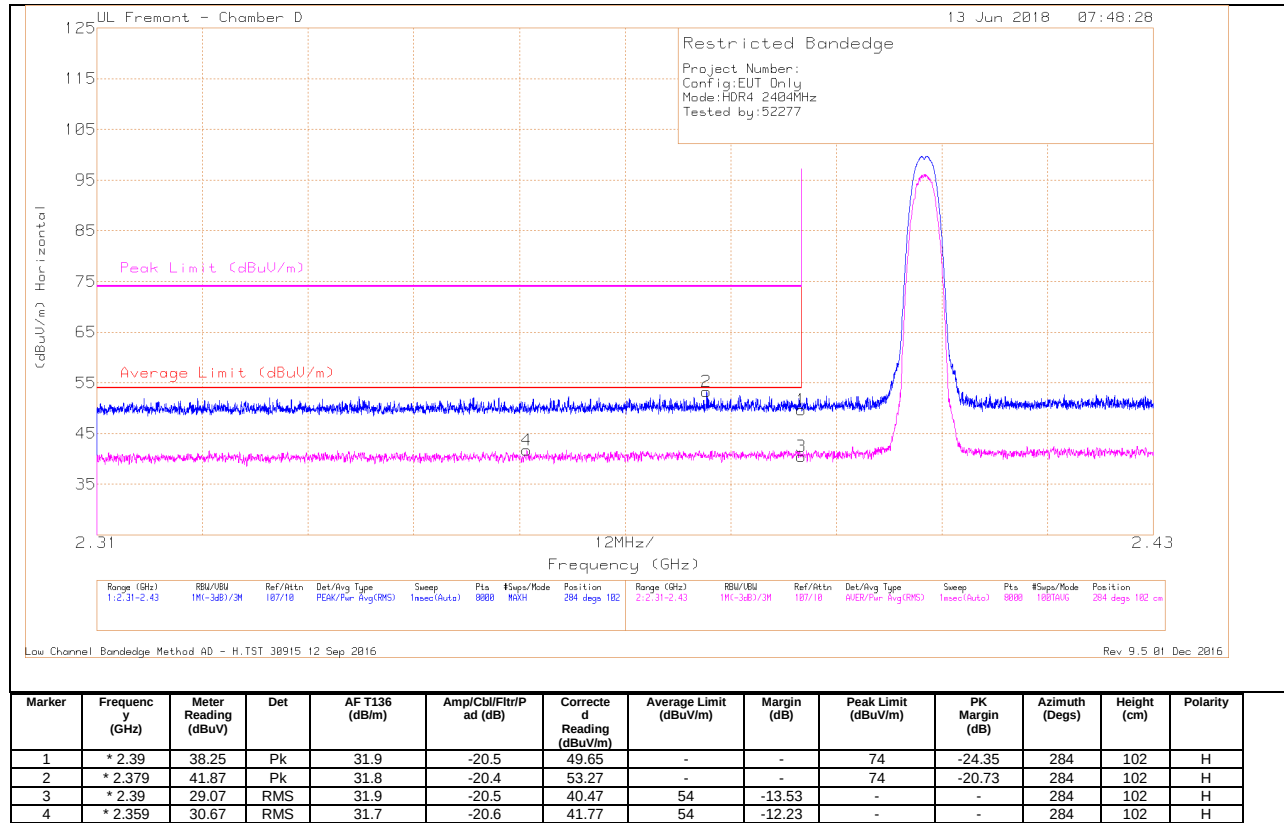
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

Antenna 3

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

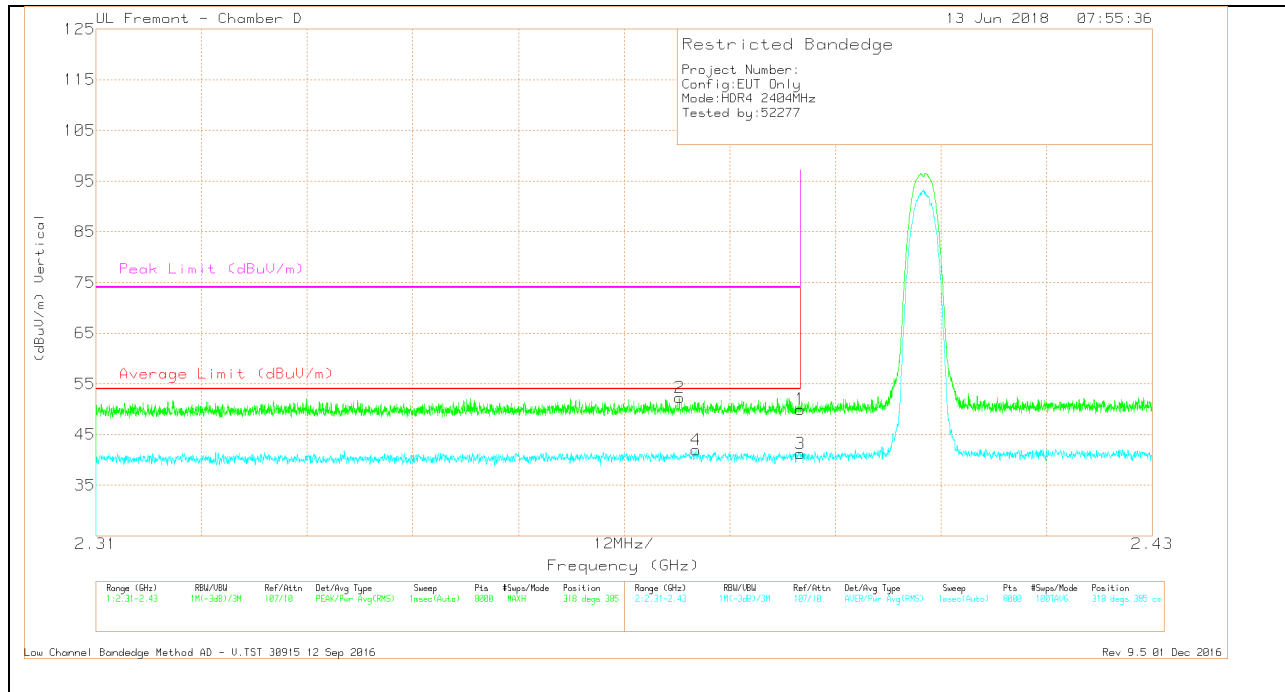


* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	38.58	Pk	31.9	-20.5	49.98	-	-	74	-24.02	318	385	V
2	* 2.376	40.86	Pk	31.8	-20.4	52.26	-	-	74	-21.74	318	385	V
3	* 2.39	29.83	RMS	31.9	-20.5	41.23	54	-12.77	-	-	318	385	V
4	* 2.378	30.56	RMS	31.8	-20.4	41.96	54	-12.04	-	-	318	385	V

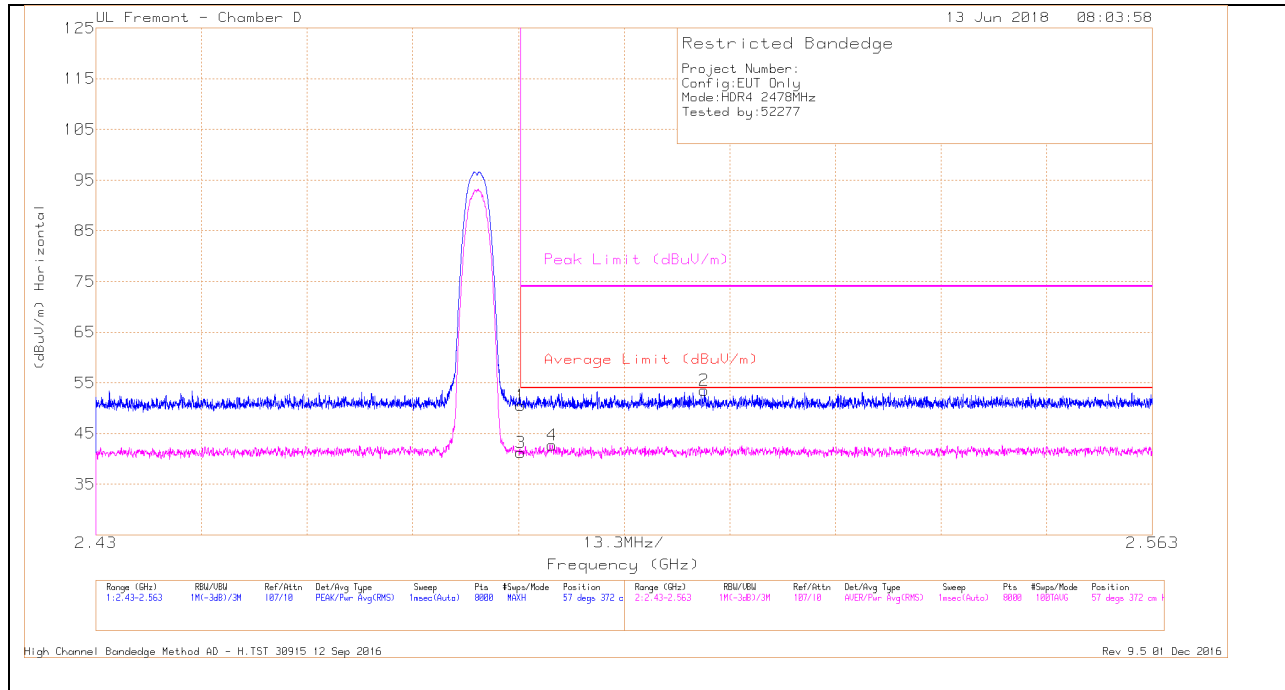
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANEDGE (HIGH CHANNEL)

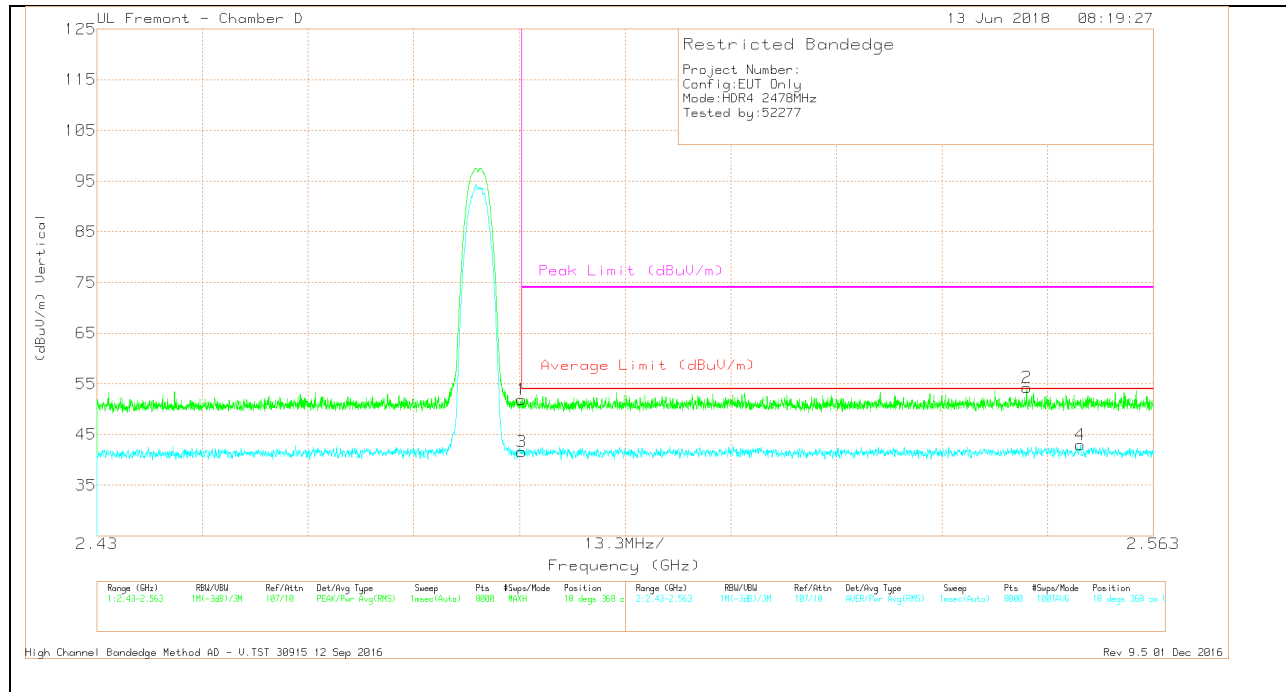
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dBm)	Amp/Cbl/Filtr/P ad (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	38.53	Pk	32.4	-20.4	50.53	-	-	74	-23.47	57	372	H
3	* 2.484	29.26	RMS	32.4	-20.4	41.26	54	-12.74	-	-	57	372	H
4	* 2.487	30.82	RMS	32.4	-20.5	42.72	54	-11.28	-	-	57	372	H
2	2.507	41.56	PK	32.4	-20.4	53.56	-	-	74	-20.44	57	372	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/TP ad (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	39.89	Pk	32.4	-20.4	51.89	-	-	74	-22.11	18	368	V
3	* 2.484	29.59	RMS	32.4	-20.4	41.59	54	-12.41	-	-	18	368	V
2	2.547	42.15	Pk	32.4	-20.3	54.25	-	-	74	-19.75	18	368	V
4	2.554	30.79	RMS	32.5	-20.3	42.99	54	-11.01	-	-	18	368	V

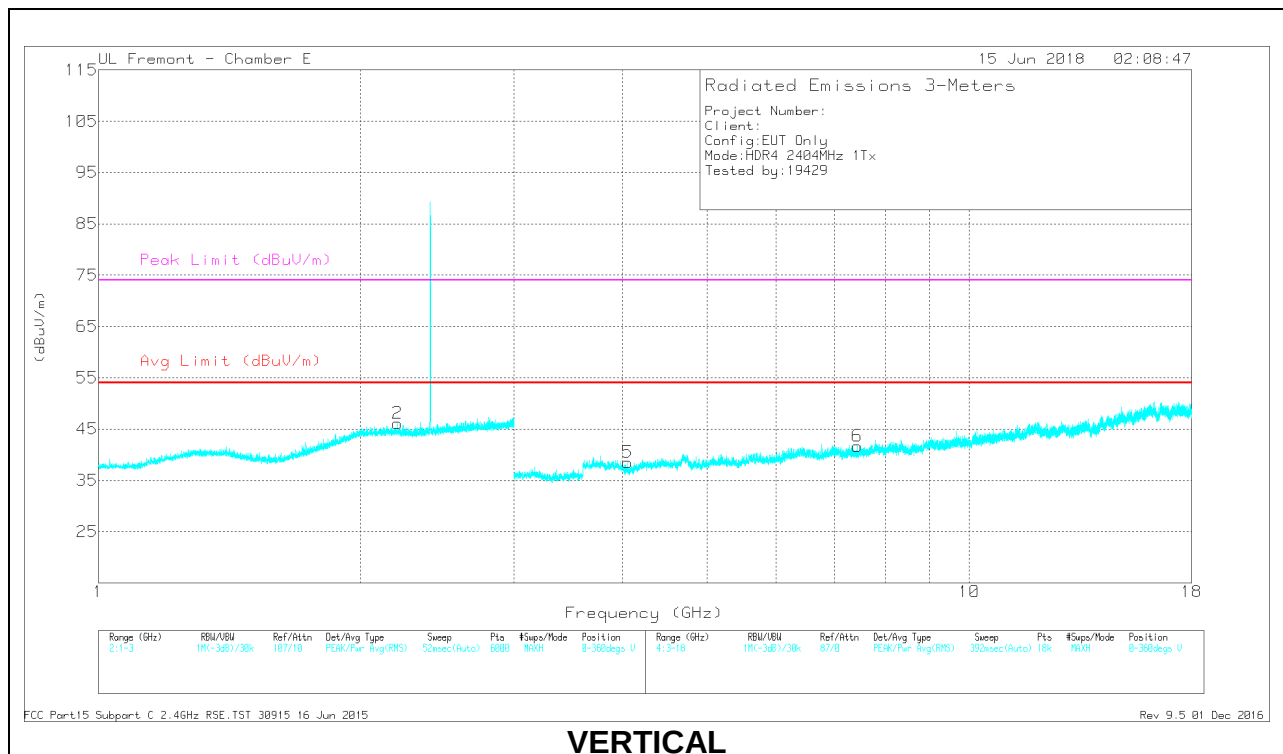
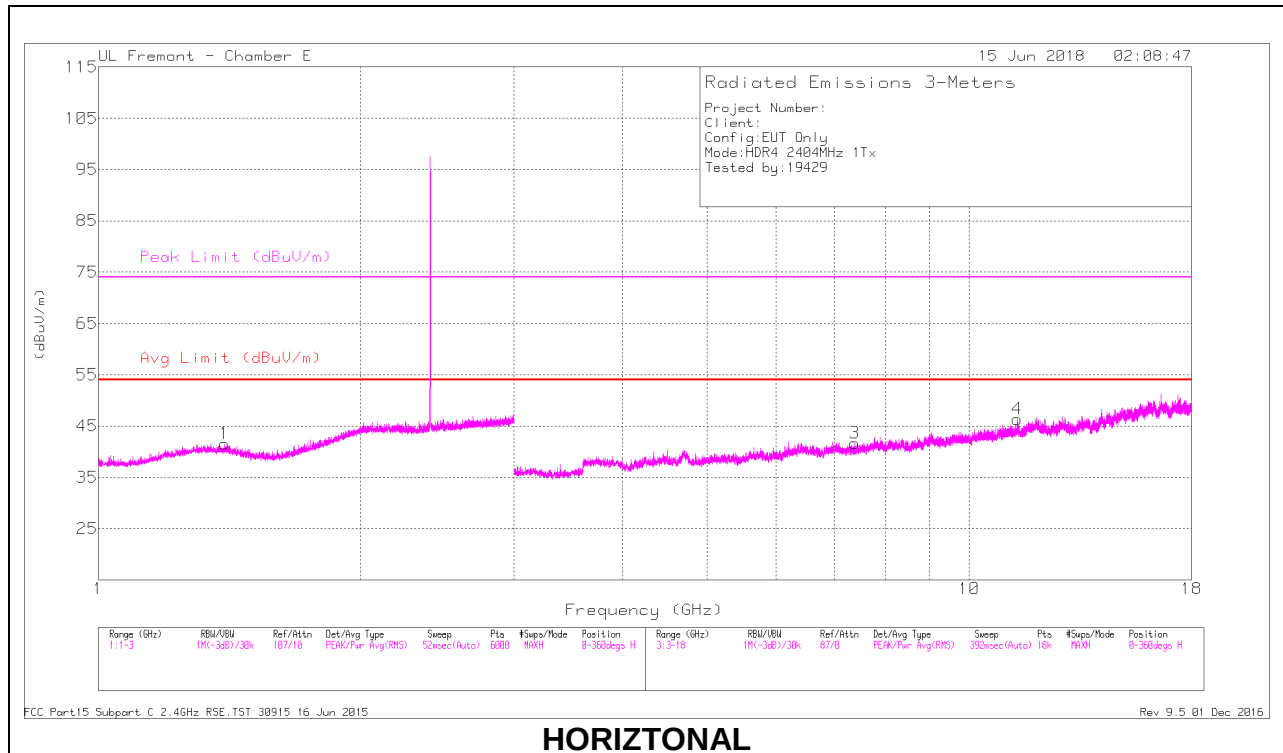
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

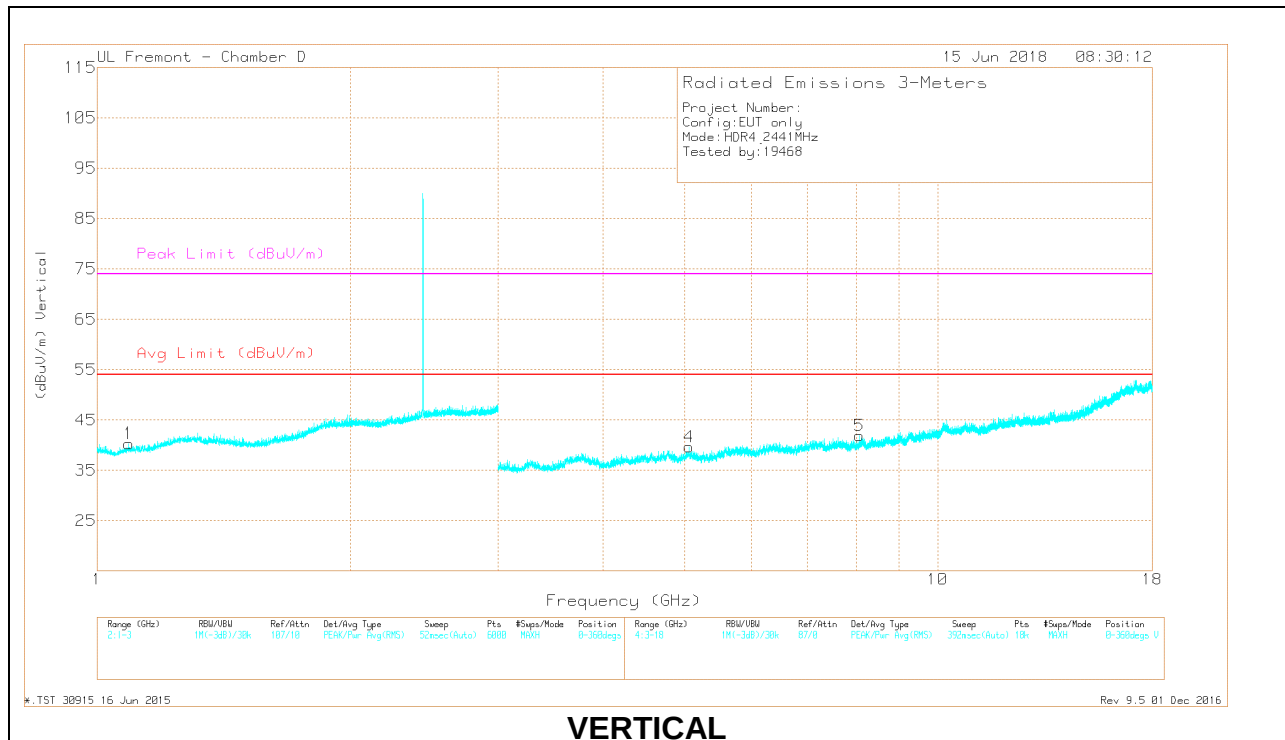
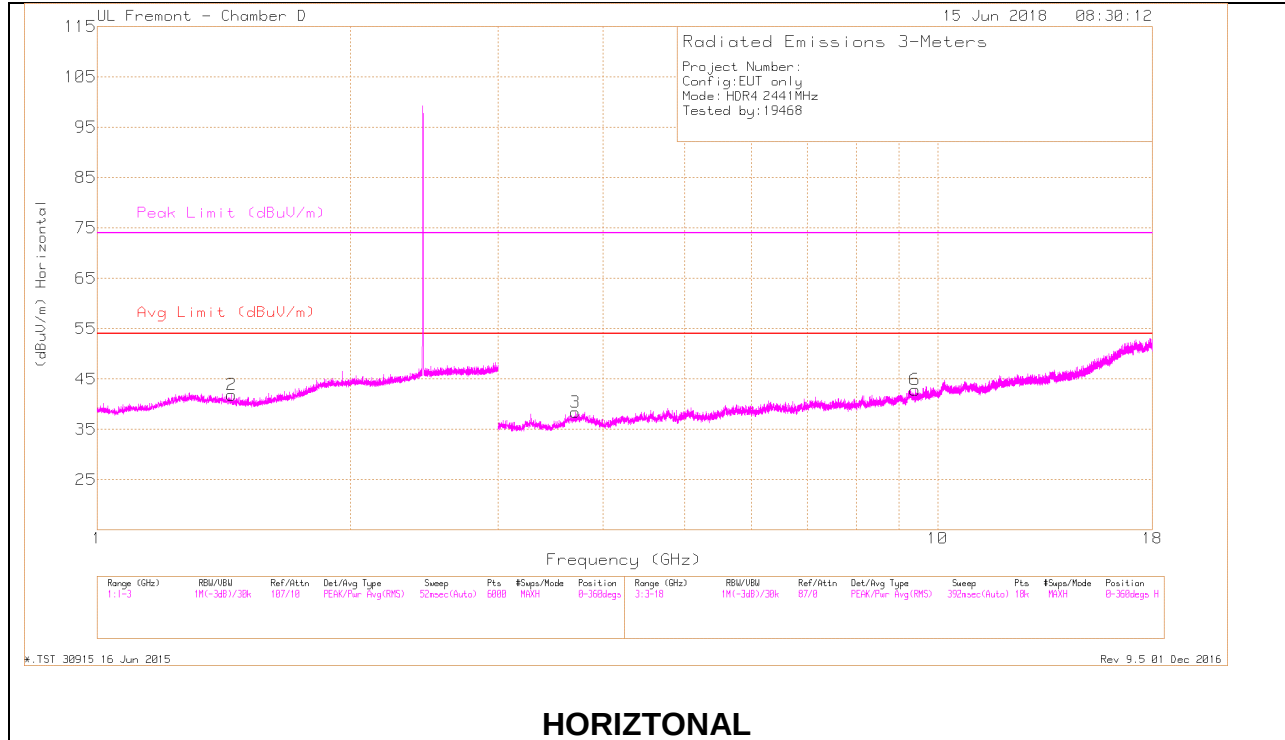
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.395	44.96	PK2	28.8	-25.1	48.66	-	-	74	-25.34	105	189	H
	* 1.395	32.27	MAv1	28.8	-25.1	35.97	54	-18.03	-	-	105	189	H
2	* 2.205	44.2	PK2	32.1	-23	53.3	-	-	74	-20.7	105	189	V
	* 2.204	31.07	MAv1	32.1	-23	40.17	54	-13.83	-	-	105	189	V
3	* 7.392	39.3	PK2	36	-26.8	48.5	-	-	74	-25.5	265	133	H
	* 7.393	26.85	MAv1	36	-26.8	36.05	54	-17.95	-	-	265	133	H
4	* 11.344	36.78	PK2	38.6	-22.4	52.98	-	-	74	-21.02	265	133	H
	* 11.344	24.42	MAv1	38.6	-22.4	40.62	54	-13.38	-	-	265	133	H
5	* 4.056	41.07	PK2	33.6	-30	44.67	-	-	74	-29.33	265	133	V
	* 4.054	29.74	MAv1	33.6	-30	33.34	54	-20.66	-	-	265	133	V
6	* 7.436	39.62	PK2	36.1	-26.8	48.92	-	-	74	-25.08	265	133	V
	* 7.437	27.62	MAv1	36.1	-26.8	36.92	54	-17.08	-	-	265	133	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

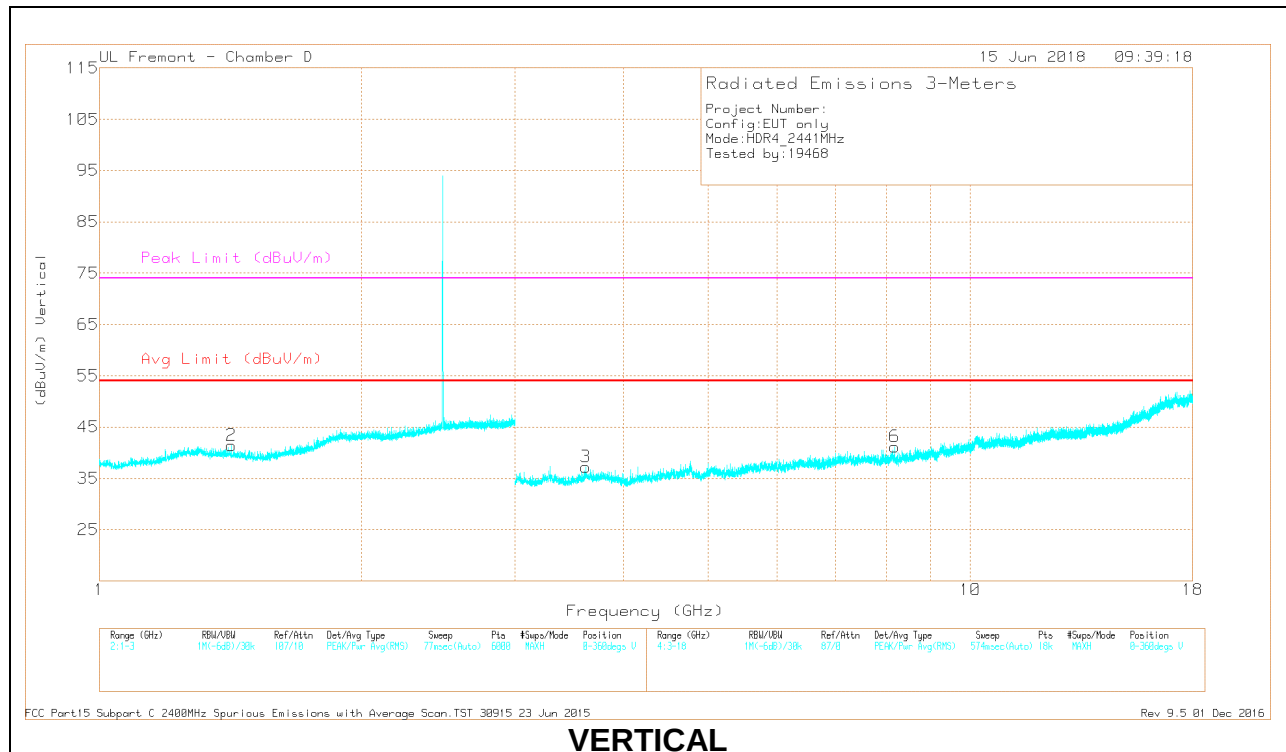
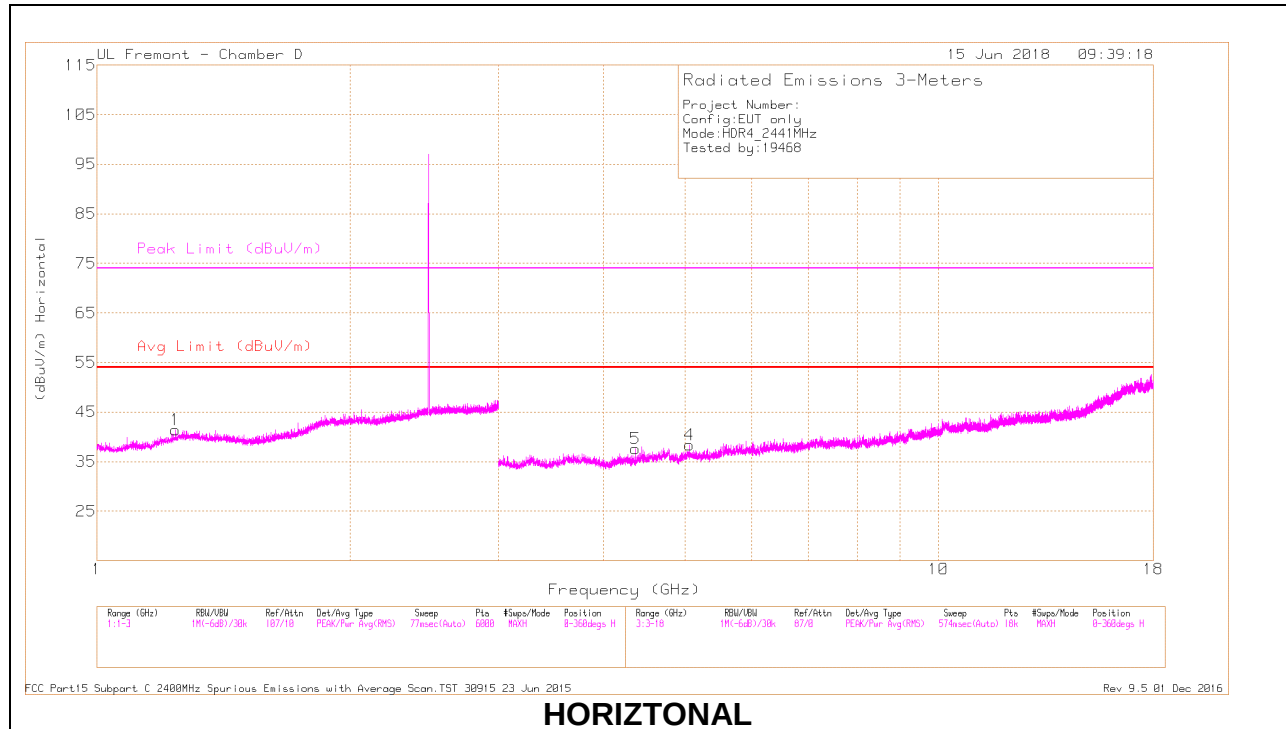
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 1.446	41.47	PK2	28.5	-21.7	48.27	-	-	74	-25.73	27	364	H
	* 1.444	29.62	MAv1	28.5	-21.7	36.42	54	-17.58	-	-	27	364	H
1	* 1.085	42.4	PK2	27.2	-22.3	47.3	-	-	74	-26.7	215	143	V
	* 1.095	29.95	MAv1	27.4	-22.3	35.05	54	-18.95	-	-	215	143	V
3	* 3.715	38.49	PK2	33.4	-28.5	43.39	-	-	74	-30.61	114	322	H
	* 3.705	26.67	MAv1	33.4	-28.5	31.57	54	-22.43	-	-	114	322	H
6	* 9.396	33.42	PK2	36.5	-21.3	48.62	-	-	74	-25.38	192	360	H
	* 9.399	21.92	MAv1	36.5	-21.3	37.12	54	-16.88	-	-	192	360	H
4	* 5.051	36.93	PK2	34.5	-26.2	45.23	-	-	74	-28.77	4	254	V
	* 5.05	25.27	MAv1	34.5	-26.2	33.57	54	-20.43	-	-	4	254	V
5	* 8.07	35.04	PK2	35.8	-23.4	47.44	-	-	74	-26.56	269	262	V
	* 8.066	23.55	MAv1	35.8	-23.3	36.05	54	-17.95	-	-	269	262	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 T136 (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	* 1.249	40.3	PK2	29.1	-22	47.4	-	-	74	-26.6	31	261	H
	* 1.248	28.26	MAv1	29	-22	35.26	54	-18.74	-	-	31	261	H
2	* 1.42	40.16	PK2	28.7	-21.8	47.06	-	-	74	-26.94	224	391	V
	* 1.418	28.19	MAv1	28.7	-21.8	35.09	54	-18.91	-	-	224	391	V
4	* 5.052	35.19	PK2	34.5	-26.2	43.49	-	-	74	-30.51	278	192	H
	* 5.052	23.7	MAv1	34.5	-26.2	32	54	-22	-	-	278	192	H
5	* 4.357	36.33	PK2	34	-28.1	42.23	-	-	74	-31.77	181	117	H
	* 4.373	24.61	MAv1	34.1	-28	30.71	54	-23.29	-	-	181	117	H
3	* 3.621	36.53	PK2	33.6	-28.2	41.93	-	-	74	-32.07	218	373	V
	* 3.618	24.67	MAv1	33.6	-28.1	30.17	54	-23.83	-	-	218	373	V
6	* 8.189	32.81	PK2	35.8	-23	45.61	-	-	74	-28.39	278	237	V
	* 8.189	21.44	MAv1	35.8	-23	34.24	54	-19.76	-	-	278	237	V

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

PK2 - KDB558074 Method: Maximum Peak

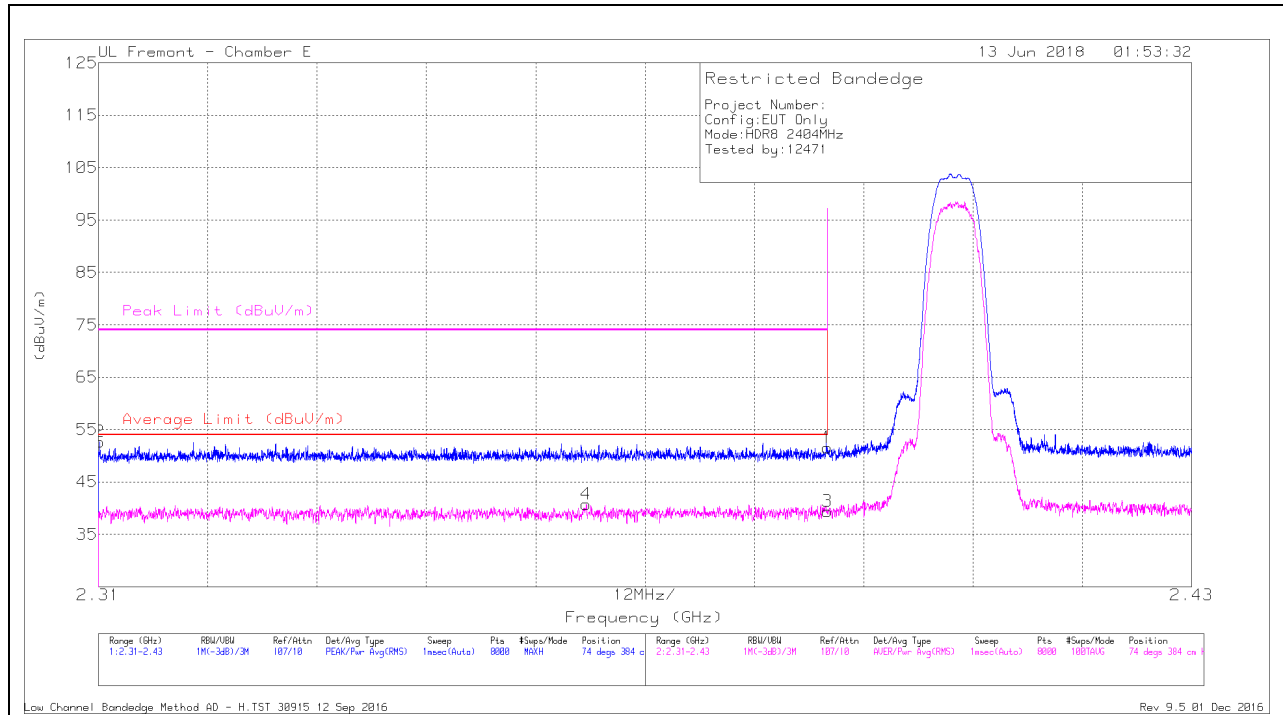
MAv1 - KDB558074 Option 1 Maximum RMS Average

9.2.2. HIGH POWER HDR8

Antenna 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



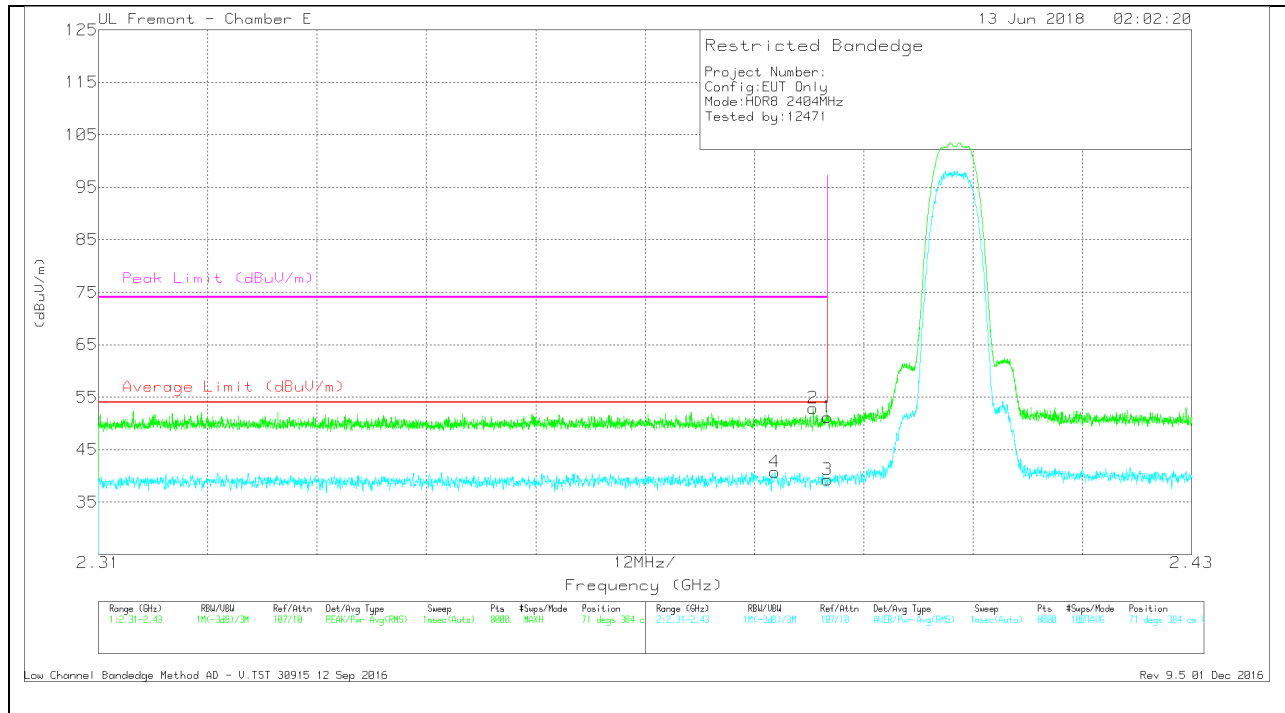
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dBm)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.31	43.78	Pk	31.7	-22.8	52.68	-	-	74	-21.32	74	384	H
4	* 2.364	31.52	RMS	31.9	-22.7	40.72	54	-13.28	-	-	74	384	H
1	* 2.39	42.16	Pk	32	-22.6	51.56	-	-	74	-22.44	74	384	H
3	* 2.39	30.01	RMS	32	-22.6	39.41	54	-14.59	-	-	74	384	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 (dBm)	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
4	* 2.384	31.48	RMS	31.9	-22.6	40.78	54	-13.22	-	-	71	384	V
2	* 2.388	43.55	Pk	31.9	-22.6	52.85	-	-	74	-21.15	71	384	V
1	* 2.39	41.72	Pk	32	-22.6	51.12	-	-	74	-22.88	71	384	V
3	* 2.39	29.88	RMS	32	-22.6	39.28	54	-14.72	-	-	71	384	V

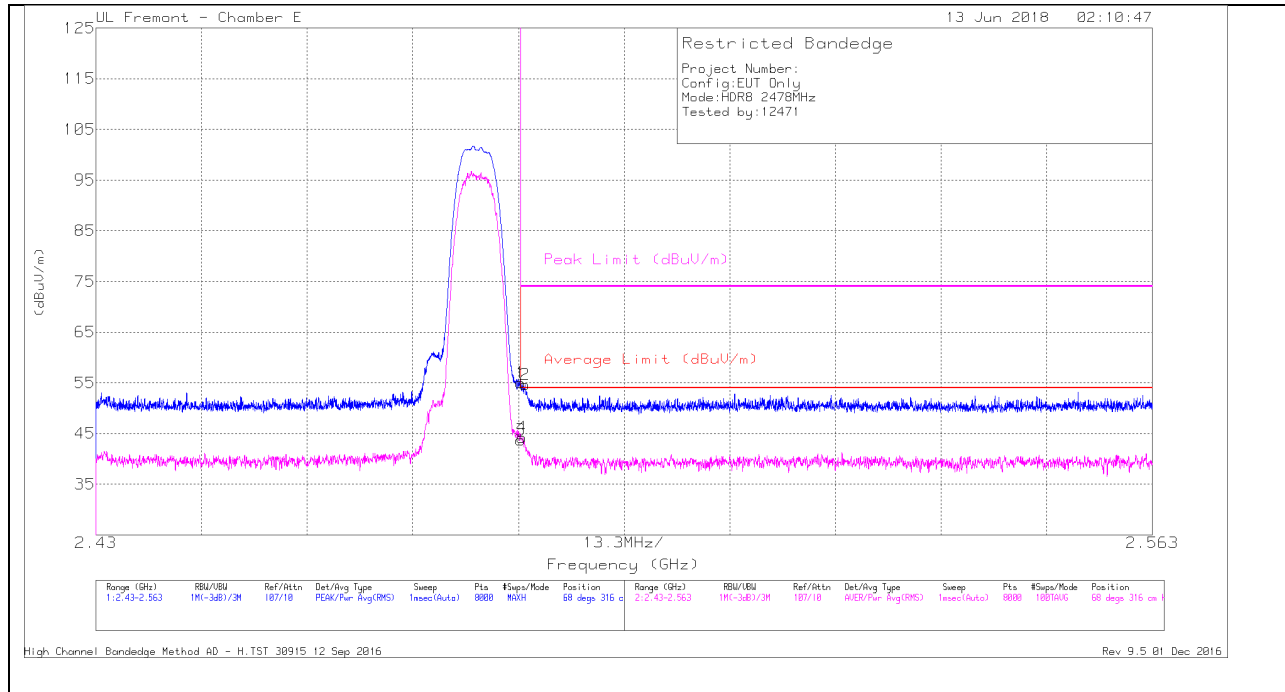
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



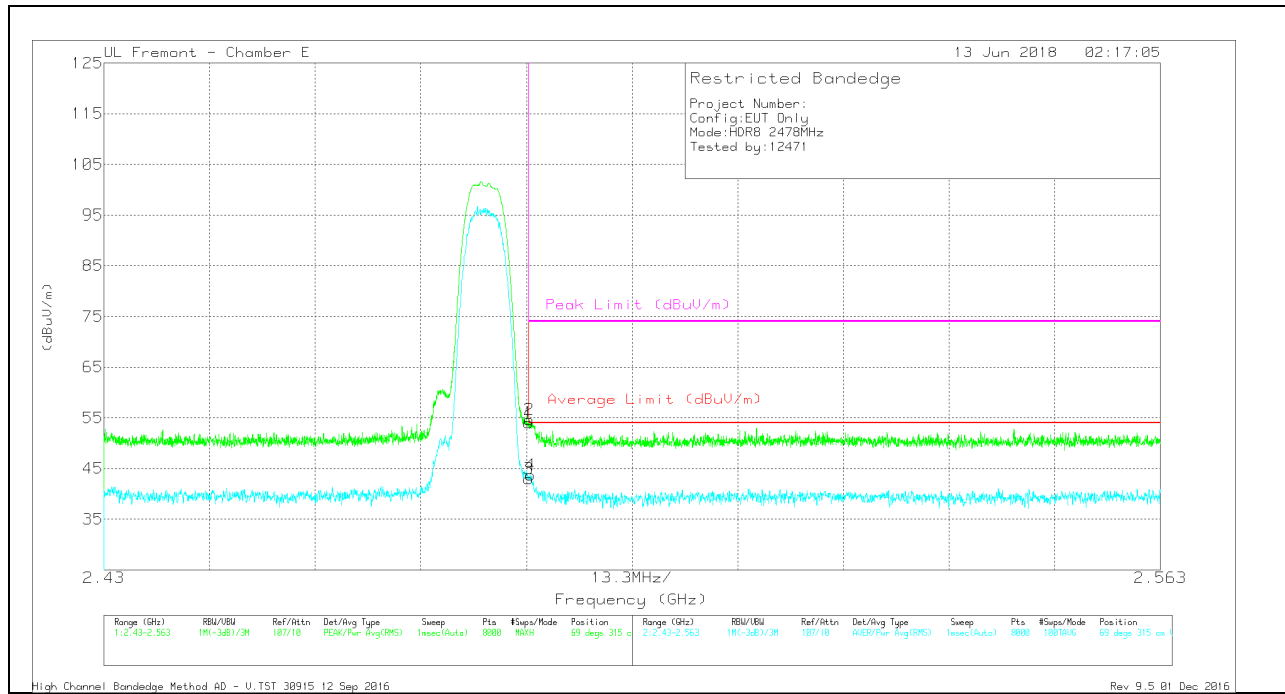
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	45.17	Pk	32.1	-22.3	54.97	-	-	74	-19.03	68	316	H
2	* 2.484	44.85	Pk	32.1	-22.3	54.65	-	-	74	-19.35	68	316	H
3	* 2.484	33.89	RMS	32.1	-22.3	43.69	54	-10.31	-	-	68	316	H
4	* 2.484	34.4	RMS	32.1	-22.3	44.2	54	-9.8	-	-	68	316	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/CbI/FilrIP ad (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	44.16	Pk	32.1	-22.3	53.96	-	-	74	-20.04	69	315	V
2	* 2.484	44.87	Pk	32.1	-22.3	54.67	-	-	74	-19.33	69	315	V
3	* 2.484	33.2	RMS	32.1	-22.3	43	54	-11	-	-	69	315	V
4	* 2.484	33.88	RMS	32.1	-22.3	43.68	54	-10.32	-	-	69	315	V

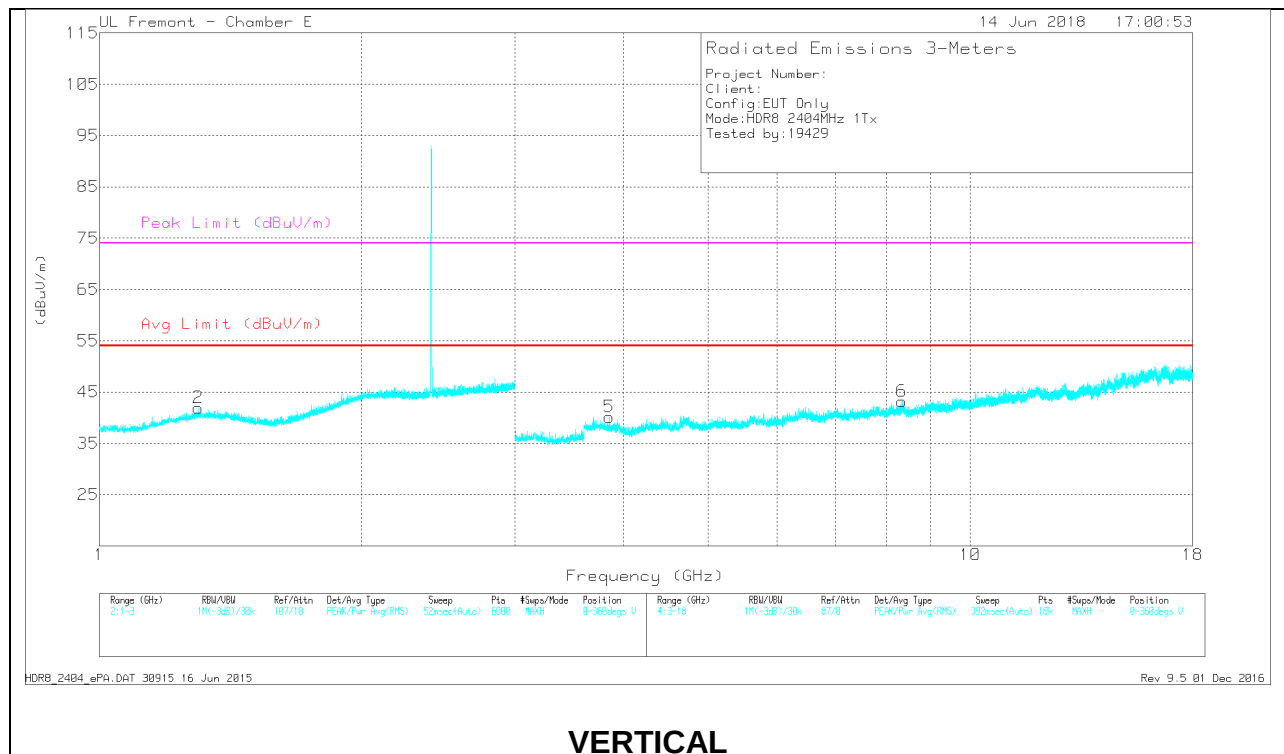
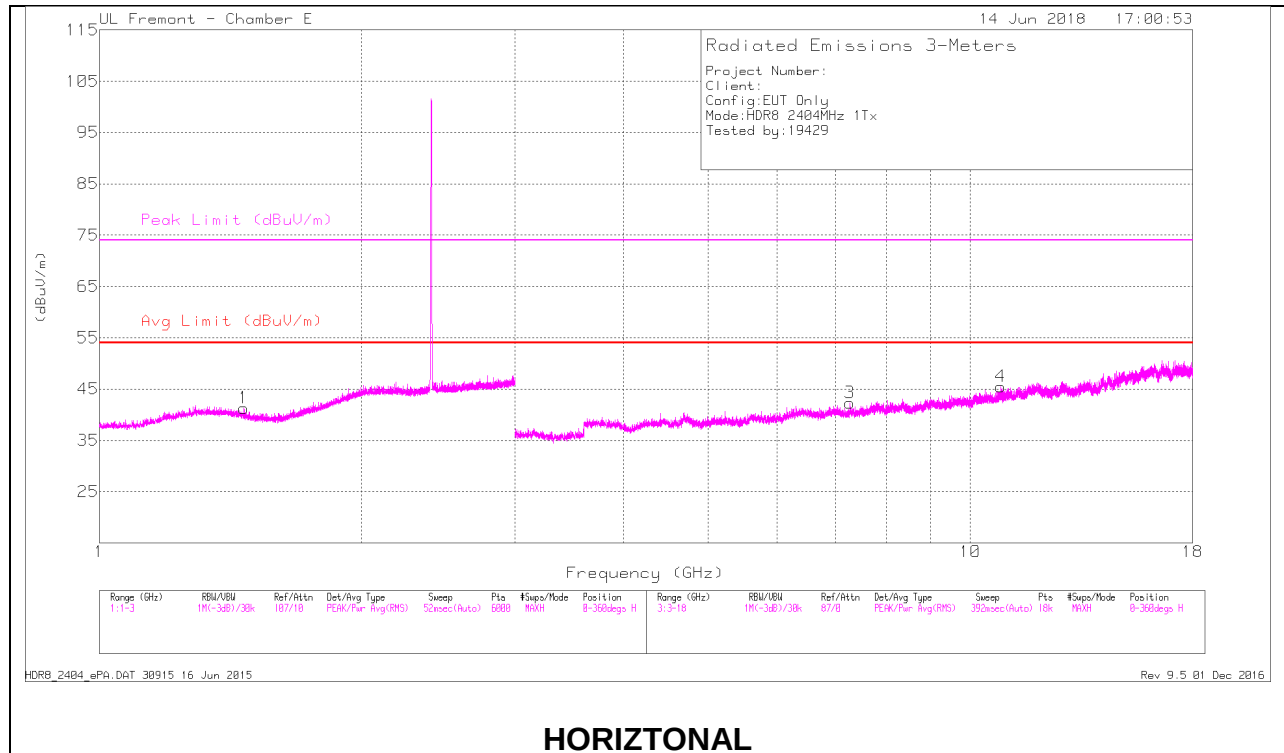
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

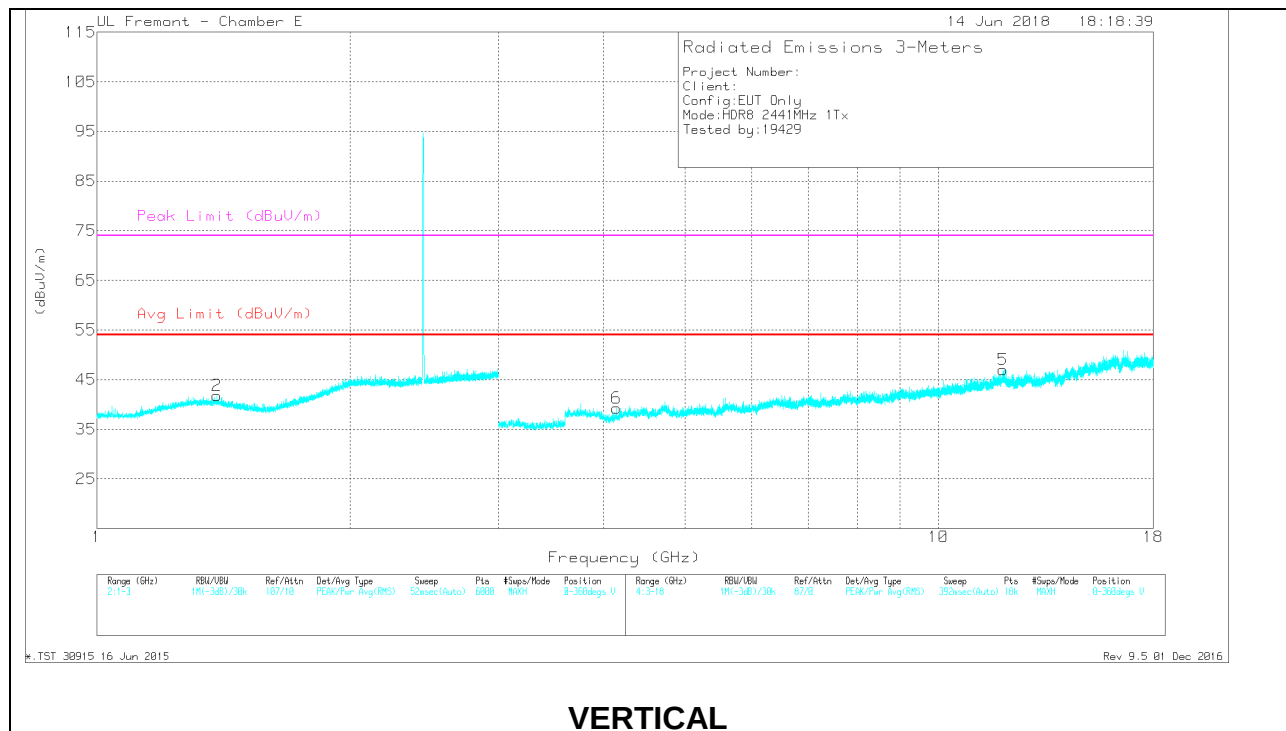
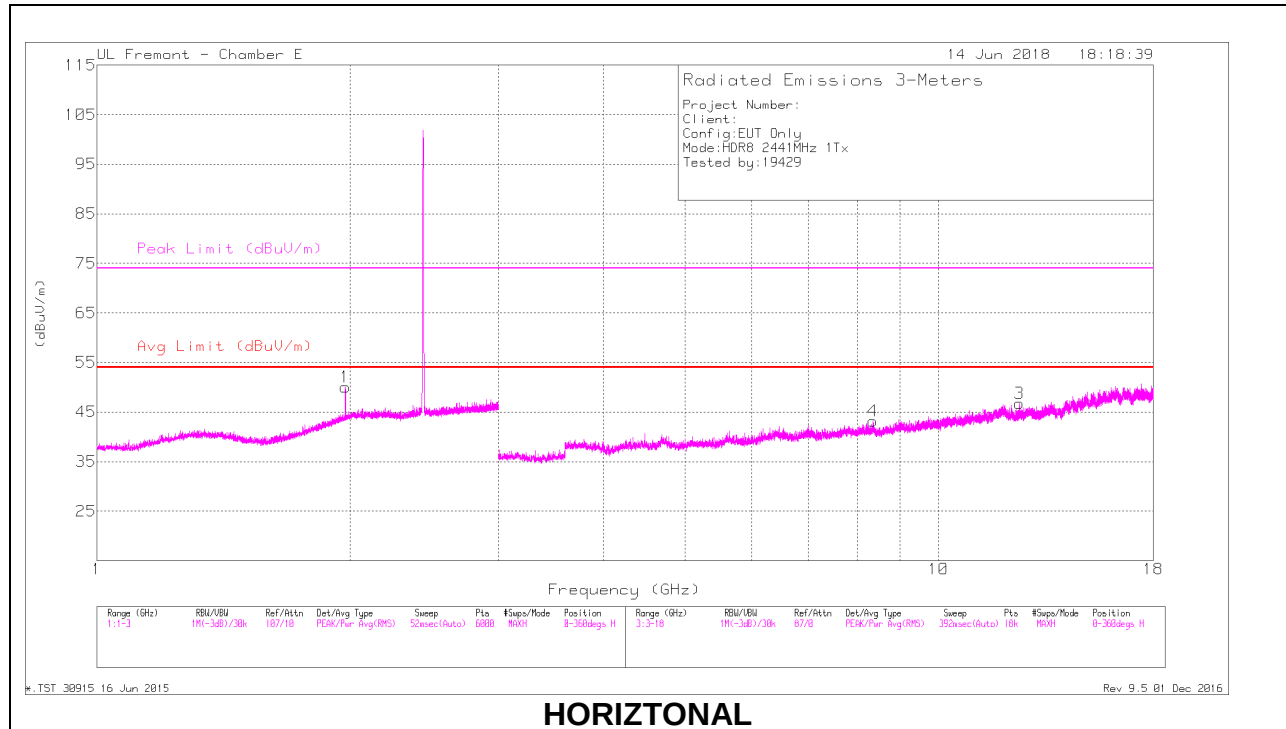
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.465	44.53	PK2	28	-24.9	47.63	-	-	74	-26.37	352	311	H
	* 1.465	31.96	MAv1	28	-24.9	35.06	54	-18.94	-	-	352	311	H
2	* 1.296	45.21	PK2	28.9	-25.3	48.81	-	-	74	-25.19	200	160	V
	* 1.296	32.38	MAv1	28.9	-25.3	35.98	54	-18.02	-	-	200	160	V
3	* 7.268	38.32	PK2	36	-26.3	48.02	-	-	74	-25.98	338	245	H
	* 7.269	26	MAv1	36	-26.2	35.8	54	-18.2	-	-	338	245	H
4	* 10.83	35.63	PK2	38.1	-22.6	51.13	-	-	74	-22.87	338	245	H
	* 10.83	22.71	MAv1	38.1	-22.7	38.11	54	-15.89	-	-	338	245	H
5	* 3.847	42.64	PK2	33.7	-30.6	45.74	-	-	74	-28.26	338	245	V
	* 3.847	30.93	MAv1	33.7	-30.6	34.03	54	-19.97	-	-	338	245	V
6	* 8.342	38.43	PK2	36.5	-25.4	49.53	-	-	74	-24.47	338	245	V
	* 8.346	26.48	MAv1	36.5	-25.1	37.88	54	-16.12	-	-	338	245	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

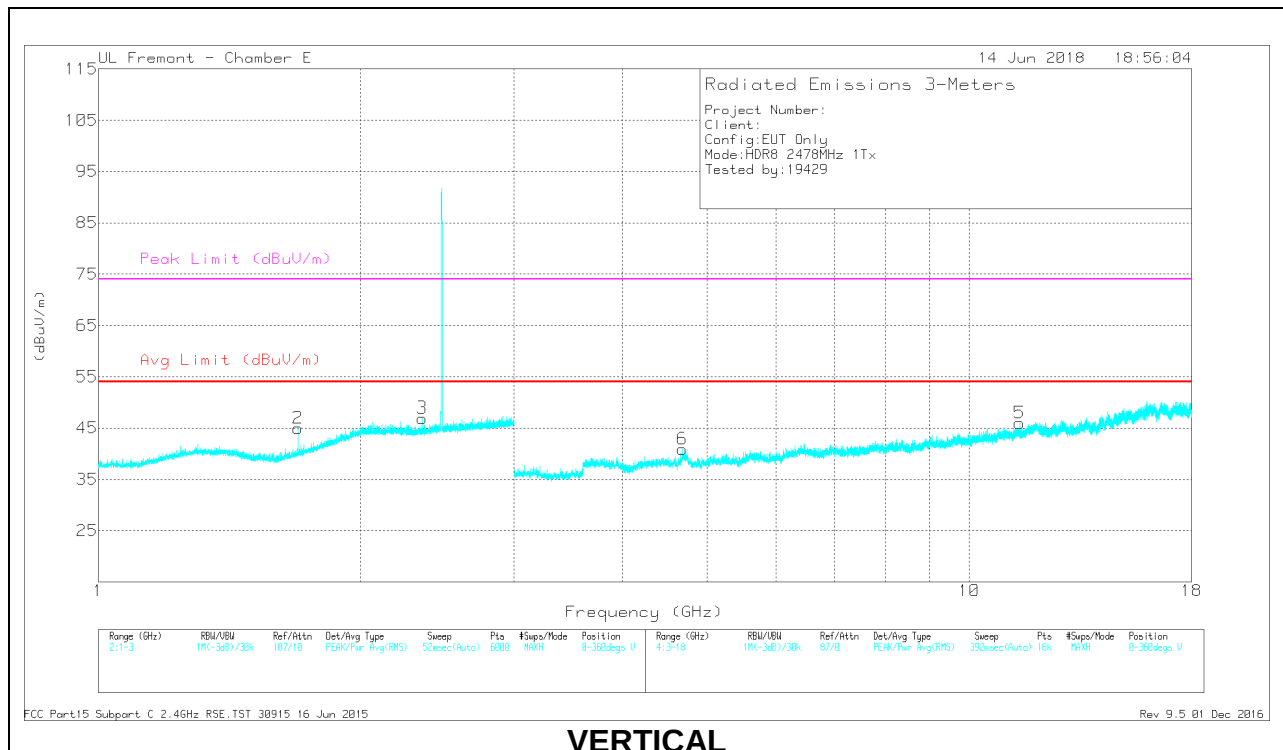
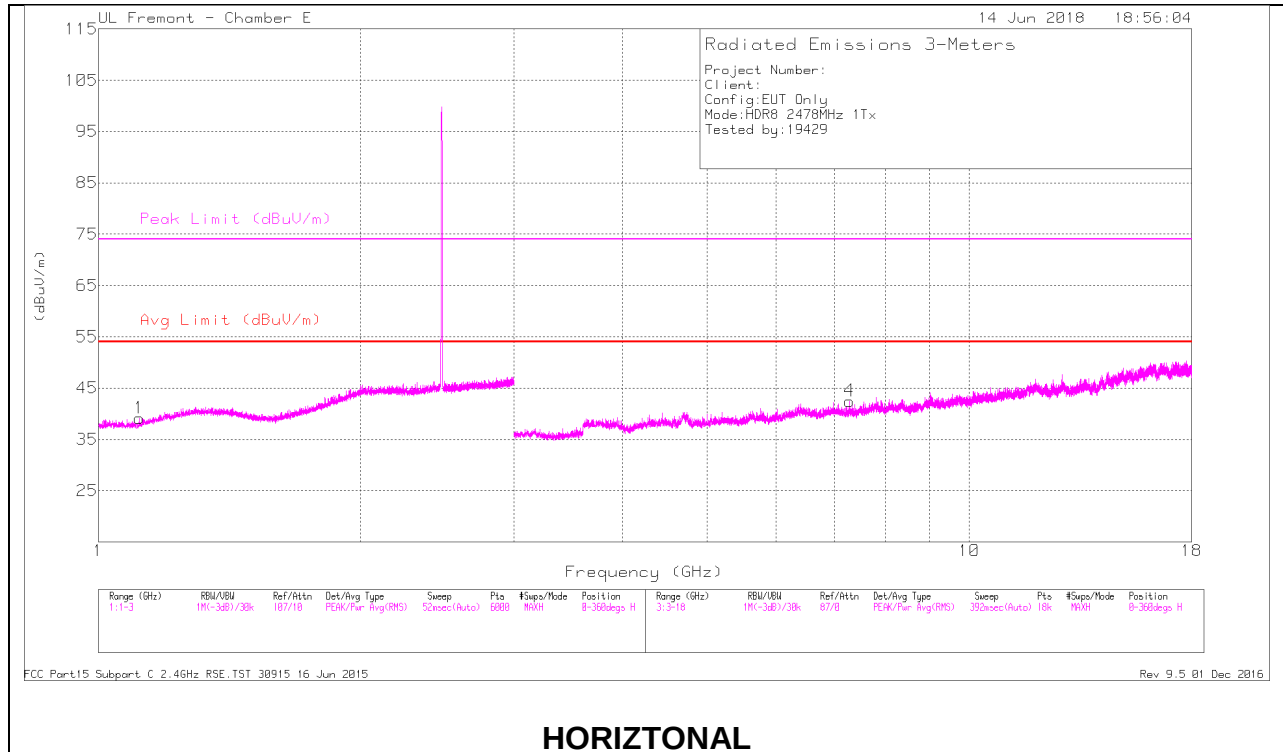
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 1.391	44.83	PK2	28.8	-25.1	48.53	-	-	74	-25.47	0	267	V
	* 1.39	32.18	MAv1	28.8	-25.1	35.88	54	-18.12	-	-	0	267	V
3	* 12.481	37.08	PK2	38.9	-22.5	53.48	-	-	74	-20.52	296	101	H
	* 12.479	24.19	MAv1	38.9	-22.5	40.59	54	-13.41	-	-	296	101	H
4	* 8.359	38.17	PK2	36.5	-24.8	49.87	-	-	74	-24.13	296	101	H
	* 8.358	26.73	MAv1	36.5	-24.9	38.33	54	-15.67	-	-	296	101	H
5	* 11.926	35.87	PK2	39.5	-21.9	53.47	-	-	74	-20.53	296	101	V
	* 11.925	24.64	MAv1	39.5	-22	42.14	54	-11.86	-	-	296	101	V
6	* 4.142	41.43	PK2	33.6	-30	45.03	-	-	74	-28.97	296	101	V
	* 4.145	30.29	MAv1	33.6	-29.9	33.99	54	-20.01	-	-	296	101	V
1	1.975	43.92	PK2	31.8	-23.5	52.22	-	-21.78	74	-	63	159	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/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	* 1.116	44.92	PK2	26.6	-25.7	45.82	-	-	74	-28.18	230	356	H
	* 1.116	32.67	MAv1	26.6	-25.7	33.57	54	-20.43	-	-	230	356	H
2	* 1.695	44.54	PK2	28.2	-24.2	48.54	-	-	74	-25.46	113	190	V
	* 1.696	31.51	MAv1	28.2	-24.2	35.51	54	-18.49	-	-	113	190	V
3	* 2.355	43.19	PK2	31.9	-22.7	52.39	-	-	74	-21.61	209	383	V
	* 2.355	30.24	MAv1	31.9	-22.7	39.44	54	-14.56	-	-	209	383	V
4	* 7.283	39.61	PK2	36	-26	49.61	-	-	74	-24.39	66	141	H
	* 7.285	26.43	MAv1	36	-25.9	36.53	54	-17.47	-	-	66	141	H
5	* 11.42	35.72	PK2	38.5	-22.3	51.92	-	-	74	-22.08	66	141	V
	* 11.419	23.86	MAv1	38.5	-22.3	40.06	54	-13.94	-	-	66	141	V
6	* 4.683	41.89	PK2	34.4	-29.2	47.09	-	-	74	-26.91	66	141	V
	* 4.686	30.25	MAv1	34.4	-29.1	35.55	54	-18.45	-	-	66	141	V

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

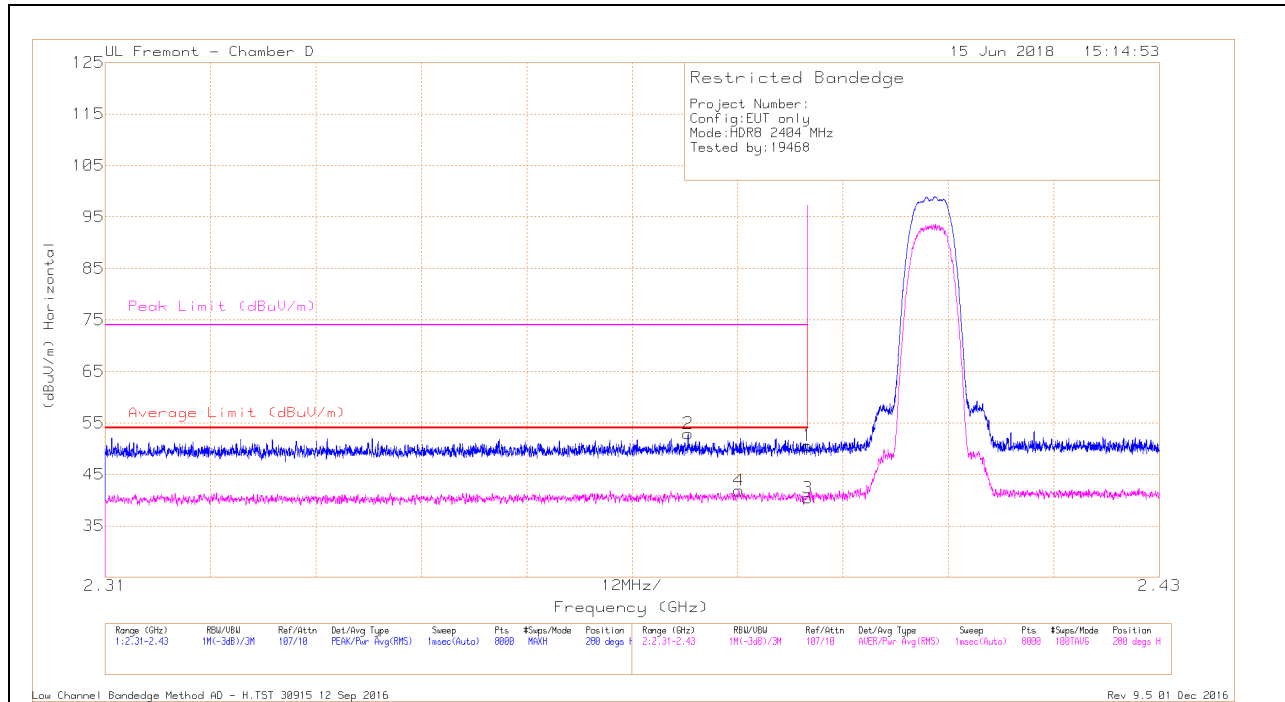
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

Antenna 3

BANEDGE (LOW CHANNEL)

HORIZONTAL RESULT



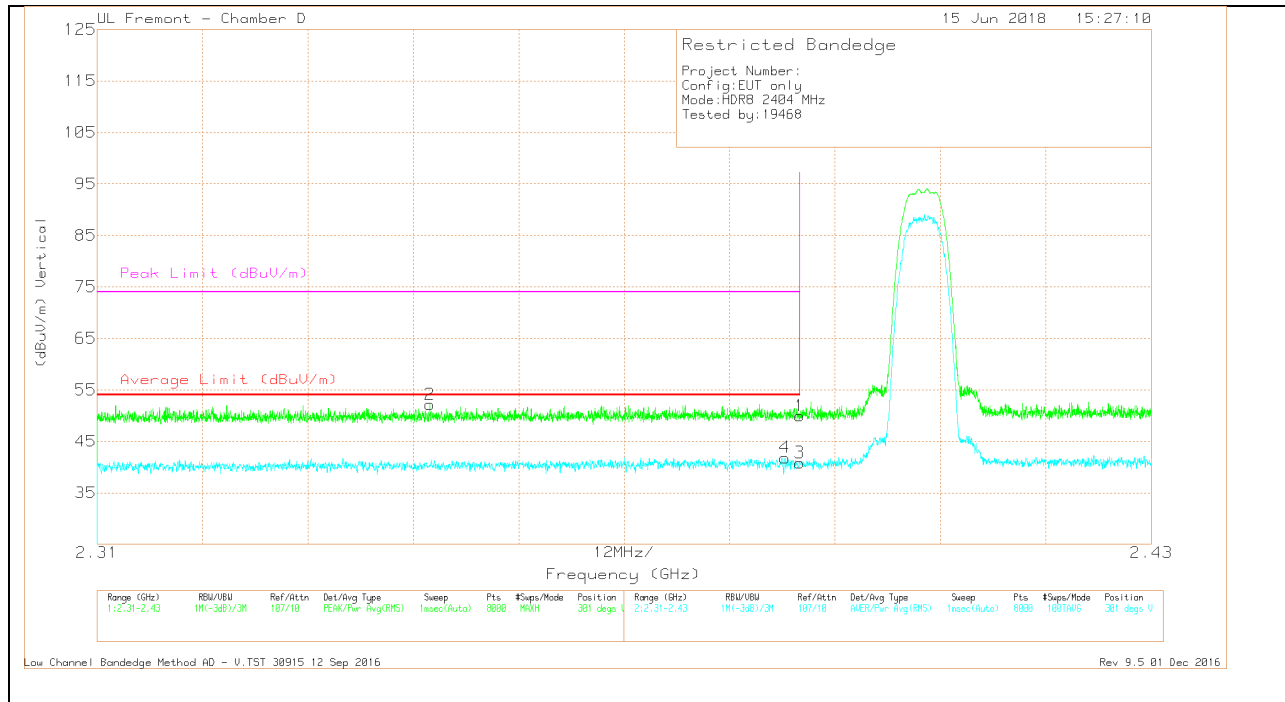
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/CbI/Filr/P ad (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	39.2	Pk	31.9	-20.5	50.6	-	-	74	-23.4	280	101	H
2	* 2.376	41.51	Pk	31.8	-20.4	52.91	-	-	74	-21.09	280	101	H
3	* 2.39	29	RMS	31.9	-20.5	40.4	54	-13.6	-	-	280	101	H
4	* 2.382	30.56	RMS	31.8	-20.5	41.86	54	-12.14	-	-	280	101	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

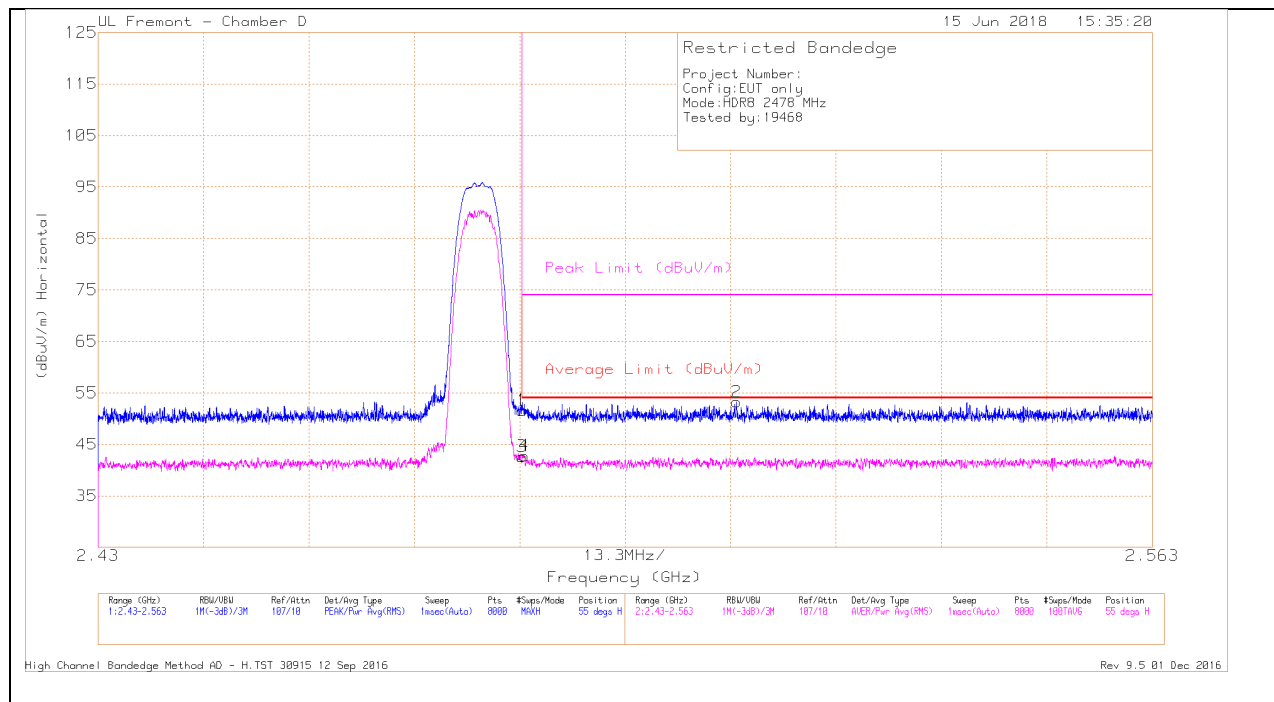


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/FiltriP ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.348	41.14	Pk	31.6	-20.6	52.14	-	-	74	-21.86	301	386	V
4	* 2.388	30.44	RMS	31.9	-20.5	41.84	54	-12.16	-	-	301	386	V
1	* 2.39	38.57	Pk	31.9	-20.5	49.97	-	-	74	-24.03	301	386	V
3	* 2.39	29.44	RMS	31.9	-20.5	40.84	54	-13.16	-	-	301	386	V

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

BANEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



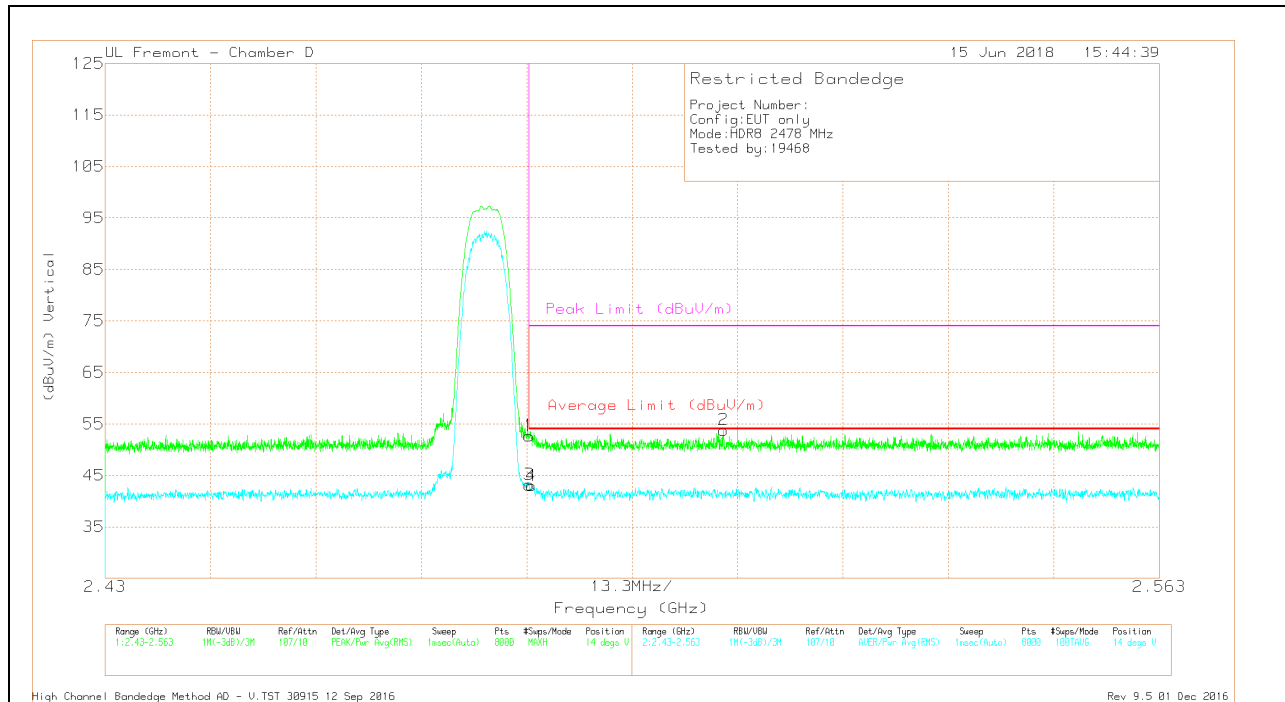
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	39.59	Pk	32.4	-20.4	51.59	-	-	74	-22.41	55	256	H
3	* 2.484	30.67	RMS	32.4	-20.4	42.67	54	-11.33	-	-	55	256	H
4	* 2.484	30.9	RMS	32.4	-20.5	42.8	54	-11.2	-	-	55	256	H
2	2.511	41.17	Pk	32.4	-20.3	53.27	-	-	74	-20.73	55	256	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

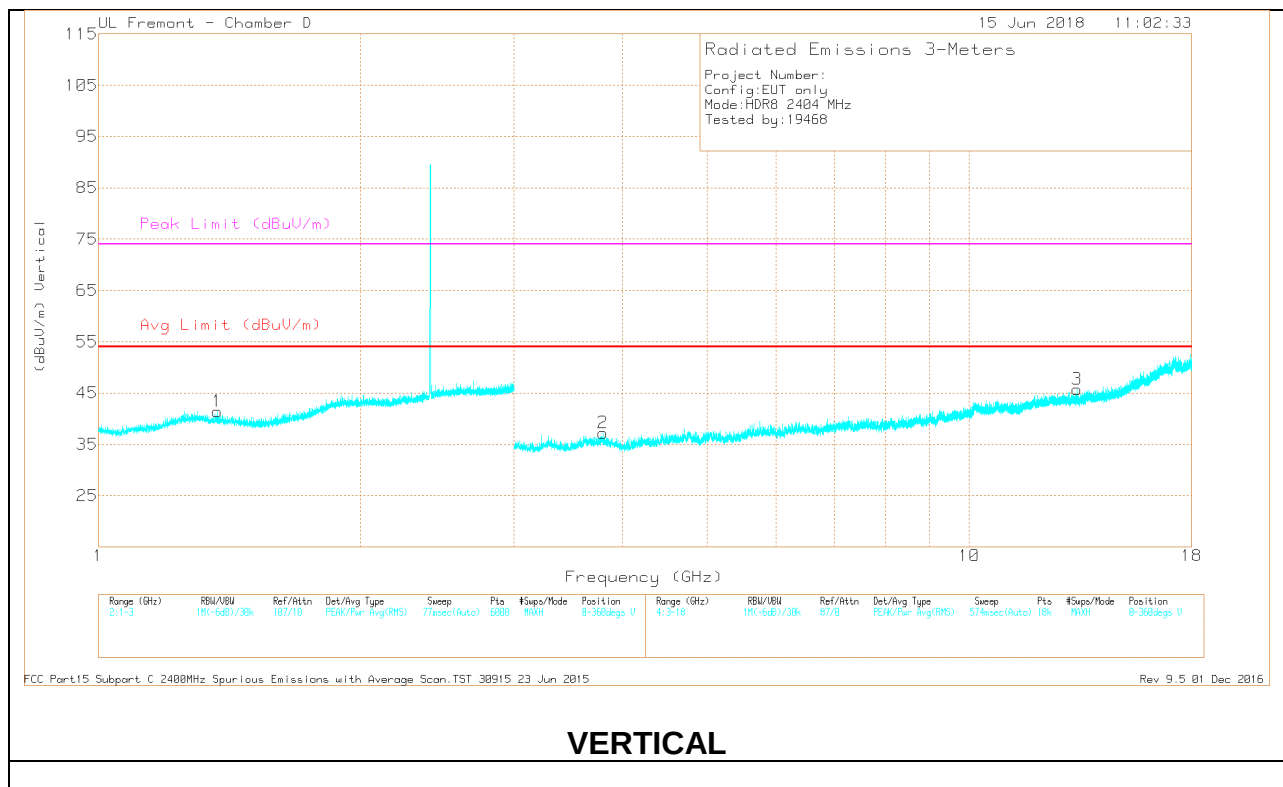
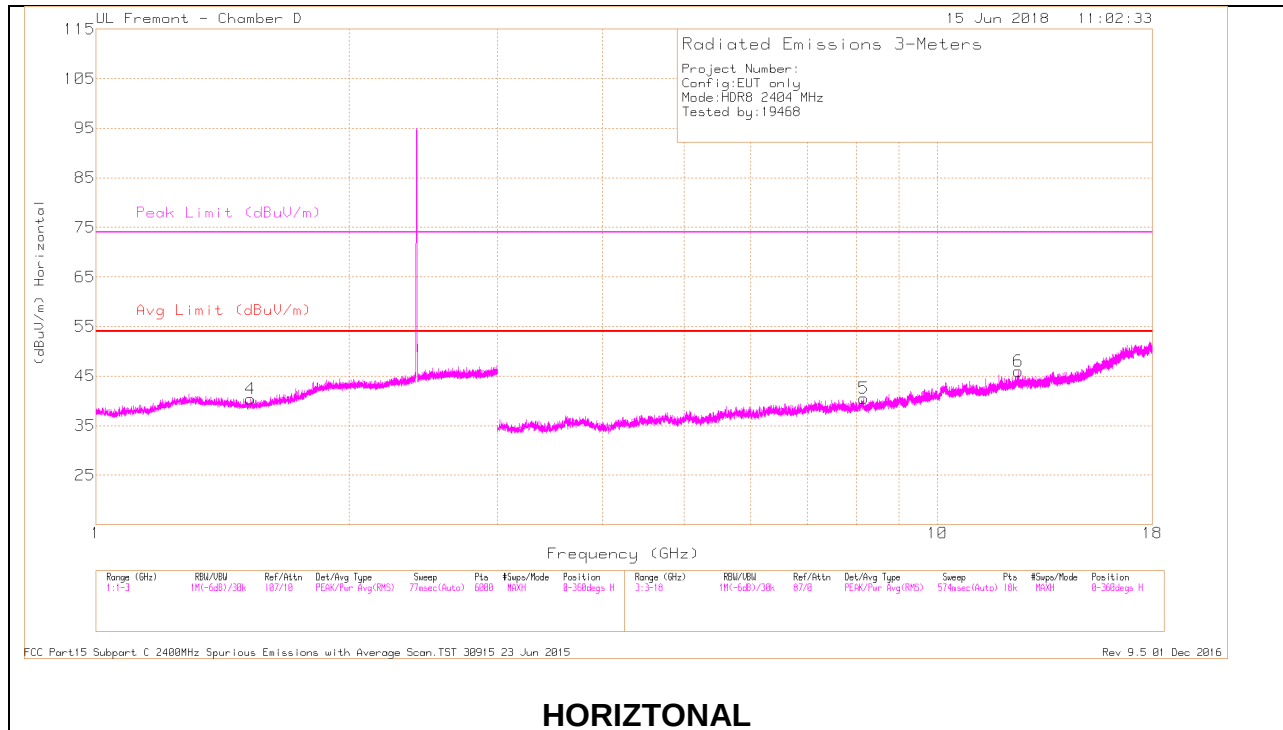


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fittr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.7	Pk	32.4	-20.4	52.7	-	-	74	-21.3	14	368	V
3	* 2.484	31.19	RMS	32.4	-20.4	43.19	54	-10.81	-	-	14	368	V
4	* 2.484	31.09	RMS	32.4	-20.5	42.99	54	-11.01	-	-	14	368	V
2	2.508	41.71	Pk	32.4	-20.3	53.81	-	-	74	-20.19	14	368	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

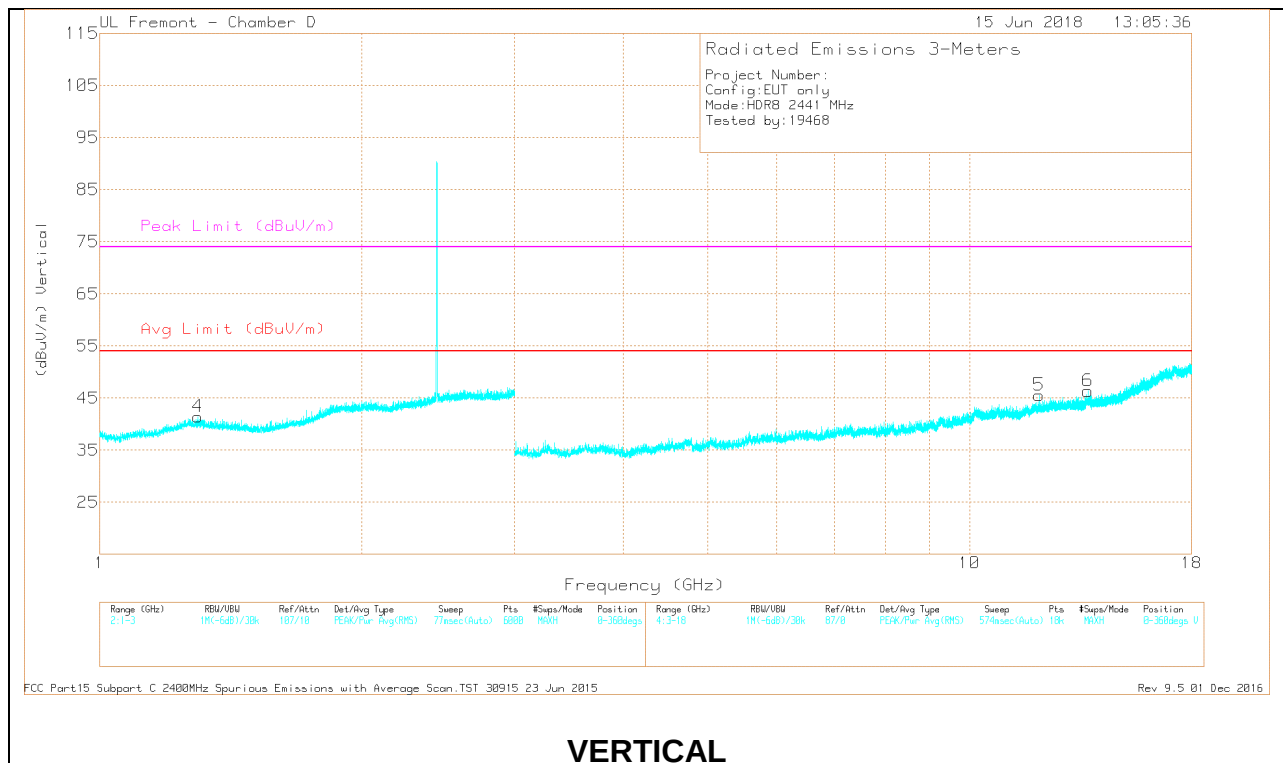
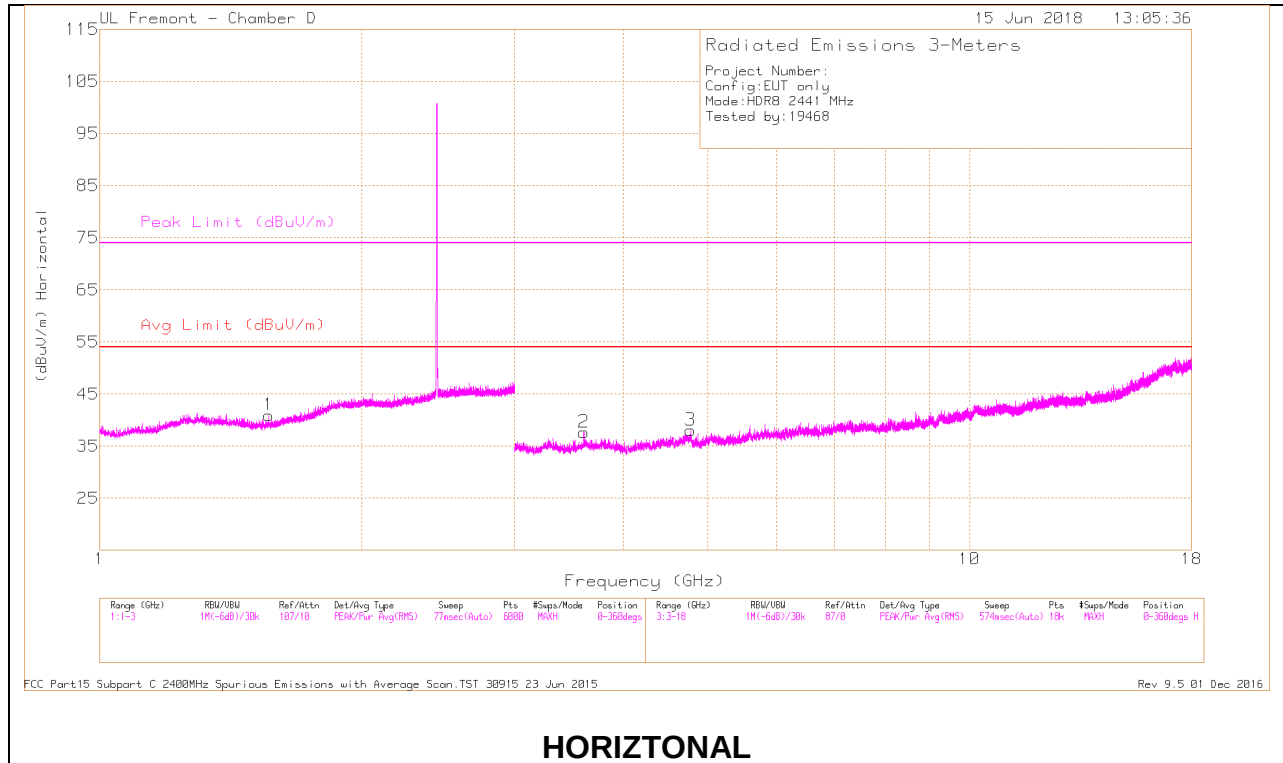
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 1.519	39.87	PK2	28	-21.6	46.27	-	-	74	-27.73	327	228	H
	* 1.529	28.03	MAv1	28	-21.6	34.43	54	-19.57	-	-	327	228	H
1	* 1.362	40.21	PK2	28.8	-21.8	47.21	-	-	74	-26.79	125	190	V
	* 1.361	28.19	MAv1	28.8	-21.8	35.19	54	-18.81	-	-	125	190	V
5	* 8.168	33.09	PK2	35.8	-22.5	46.39	-	-	74	-27.61	349	140	H
	* 8.175	21.54	MAv1	35.8	-22.7	34.64	54	-19.36	-	-	349	140	H
6	* 12.475	31.87	PK2	39	-20.1	50.77	-	-	74	-23.23	360	237	H
	* 12.481	20.32	MAv1	39	-20.2	39.12	54	-14.88	-	-	360	237	H
2	* 3.796	36.85	PK2	33.6	-28	42.45	-	-	74	-31.55	289	224	V
	* 3.79	24.94	MAv1	33.6	-28	30.54	54	-23.46	-	-	289	224	V
3	* 13.281	32.55	PK2	39.2	-21.2	50.55	-	-	74	-23.45	129	341	V
	* 13.3	21.42	MAv1	39.2	-21.2	39.42	54	-14.58	-	-	129	341	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

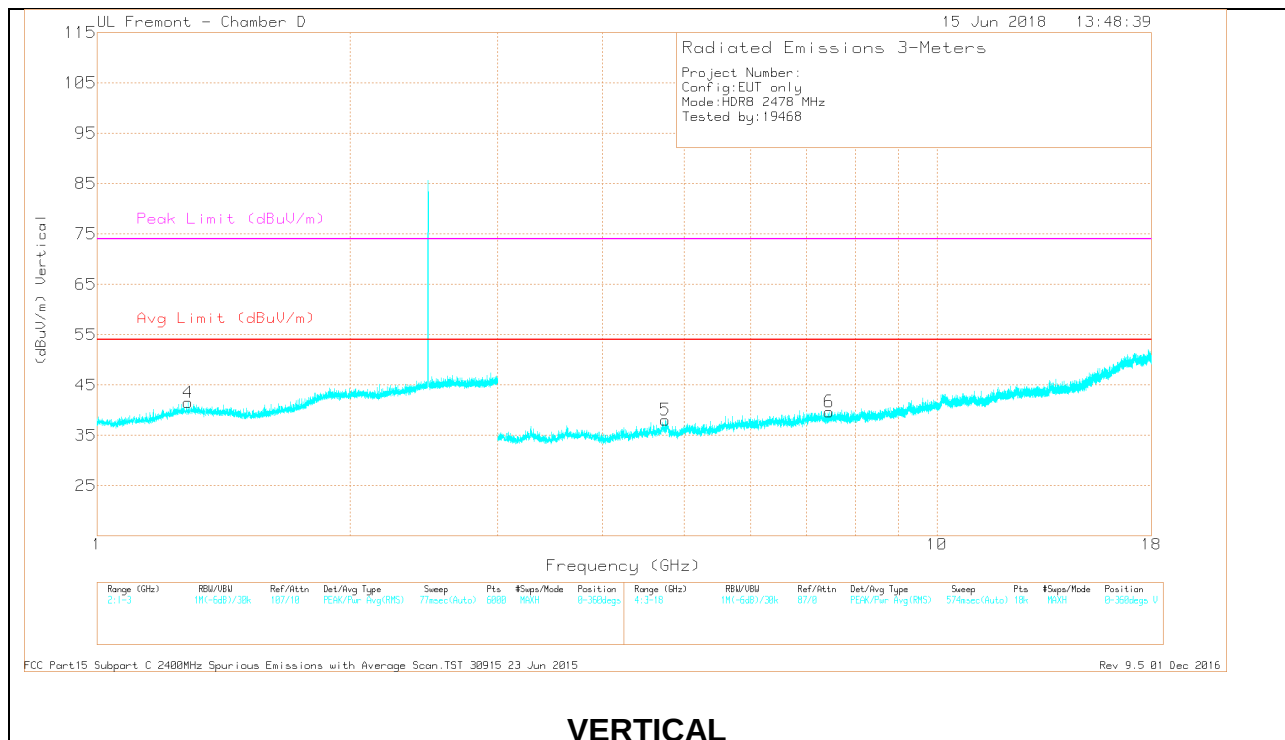
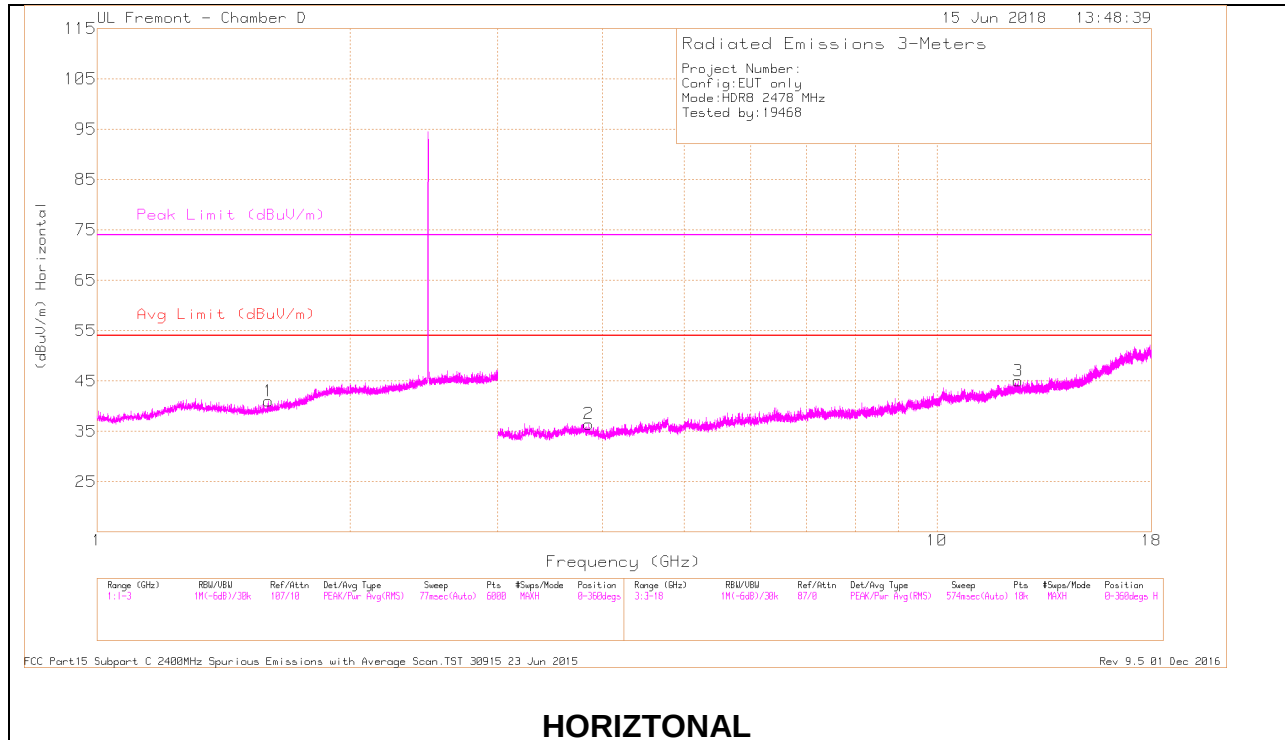
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.568	40.7	PK2	28.1	-21.6	47.2	-	-	74	-26.8	9	314	H
	* 1.564	27.99	MAv1	28.1	-21.6	34.49	54	-19.51	-	-	9	314	H
4	* 1.299	40.39	PK2	29.3	-22	47.69	-	-	74	-26.31	148	399	V
	* 1.299	28.16	MAv1	29.3	-22	35.46	54	-18.54	-	-	148	399	V
2	* 3.602	35.55	PK2	33.5	-27.9	41.15	-	-	74	-32.85	16	362	H
	* 3.601	24.22	MAv1	33.5	-27.8	29.92	54	-24.08	-	-	16	362	H
3	* 4.773	35.97	PK2	34.5	-26.3	44.17	-	-	74	-29.83	329	166	H
	* 4.776	24.34	MAv1	34.5	-26.2	32.64	54	-21.36	-	-	329	166	H
5	* 12.019	32.04	PK2	38.8	-20.5	50.34	-	-	74	-23.66	227	218	V
	* 12.015	20.35	MAv1	38.8	-20.5	38.65	54	-15.35	-	-	227	218	V
6	13.684	33.54	PK2	39	-21.3	51.24	-	-	74	-22.76	86	364	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 T136 (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	* 1.594	40	PK2	28.3	-21.6	46.7	-	-	74	-27.3	244	232	H
	* 1.594	28	MAv1	28.3	-21.6	34.7	54	-19.3	-	-	244	232	H
4	* 1.292	40.12	PK2	29.3	-22	47.42	-	-	74	-26.58	360	299	V
	* 1.277	28.17	MAv1	29.2	-22	35.37	54	-18.63	-	-	360	299	V
2	* 3.86	36.88	PK2	33.6	-28.3	42.18	-	-	74	-31.82	193	256	H
	* 3.844	25.15	MAv1	33.6	-28.3	30.45	54	-23.55	-	-	193	256	H
3	* 12.5	31.87	PK2	39	-19.8	51.07	-	-	74	-22.93	201	120	H
	* 12.488	20.08	MAv1	39	-20	39.08	54	-14.92	-	-	201	120	H
5	* 4.752	35.72	PK2	34.6	-26.4	43.92	-	-	74	-30.08	229	215	V
	* 4.757	24.02	MAv1	34.6	-26.2	32.42	54	-21.58	-	-	229	215	V
6	* 7.438	33.57	PK2	36.2	-24	45.77	-	-	74	-28.23	329	389	V
	* 7.437	21.82	MAv1	36.2	-24.1	33.92	54	-20.08	-	-	329	389	V

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

PK2 - KDB558074 Method: Maximum Peak

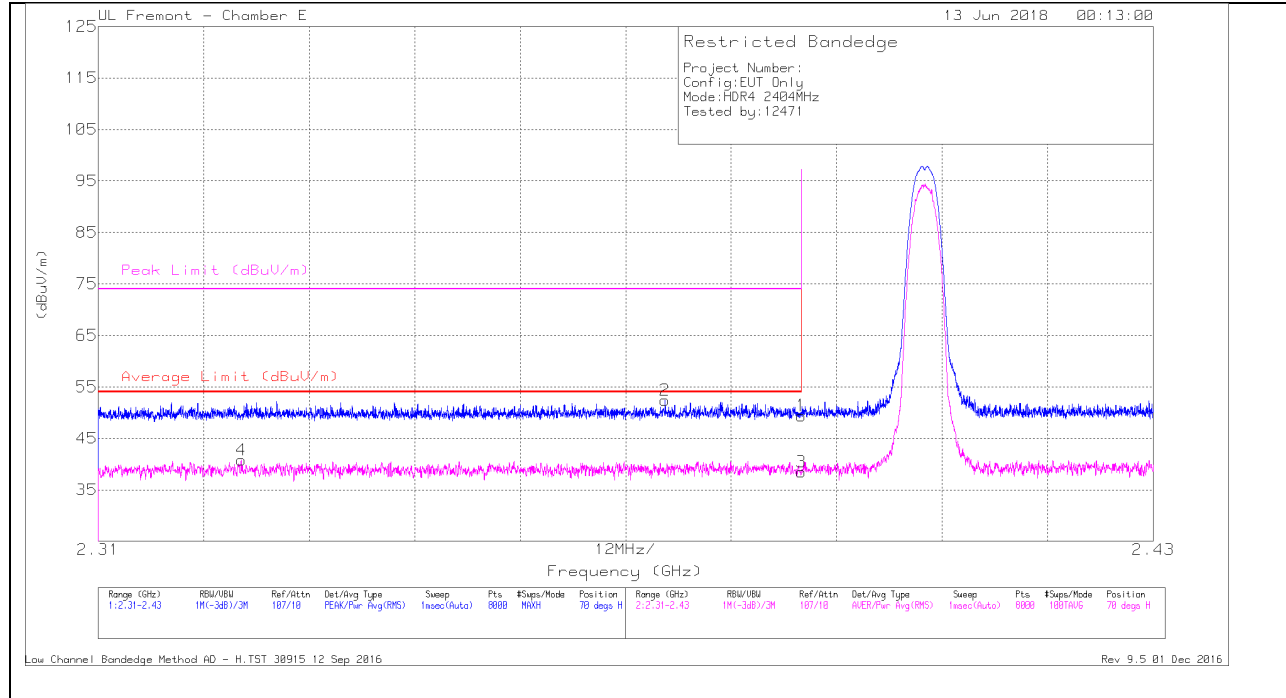
MAv1 - KDB558074 Option 1 Maximum RMS Average

9.2.3. LOW POWER HDR4

Antenna 4

BANDEDGE (LOW CHANNEL)

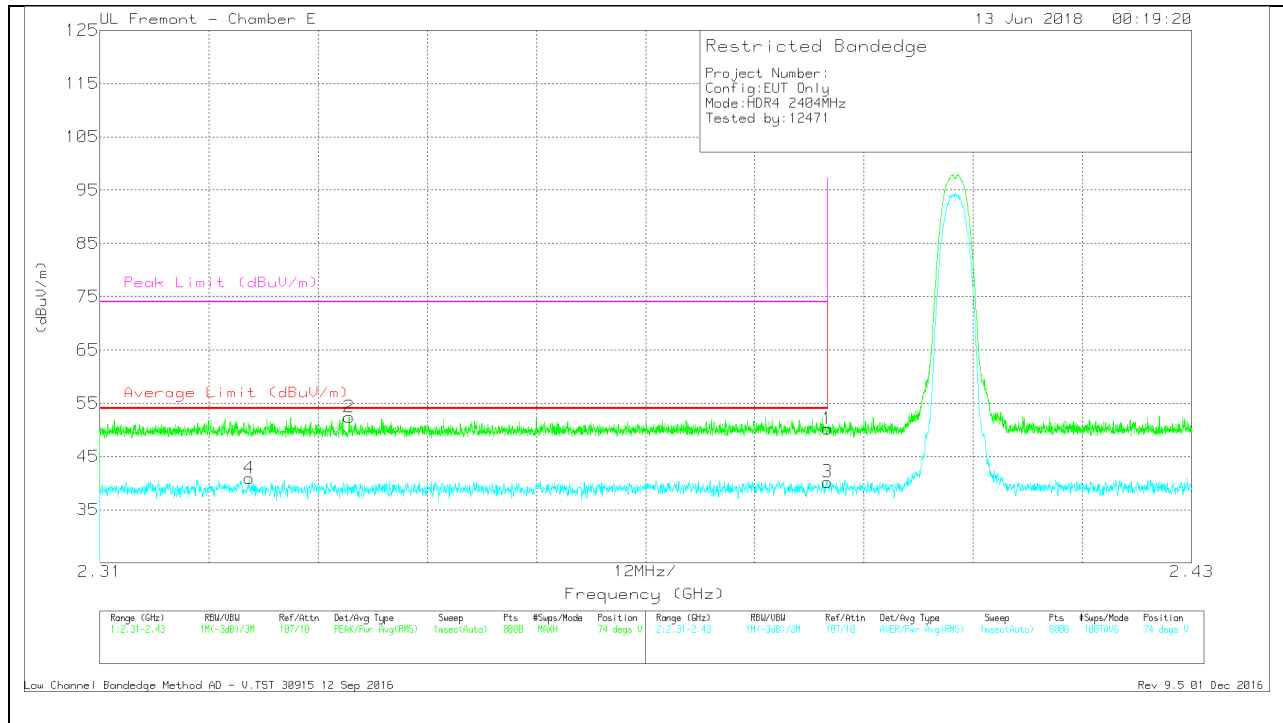
HORIZONTAL RESULT



Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	39.98	Pk	32	-22.6	49.38	-	-	74	-24.62	70	385	H
2	* 2.374	43.18	Pk	31.9	-22.7	52.38	-	-	74	-21.62	70	385	H
3	* 2.39	29.06	RMS	32	-22.6	38.46	54	-15.54	-	-	70	385	H
4	* 2.326	31.67	RMS	31.8	-22.7	40.77	54	-13.23	-	-	70	385	H

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

VERTICAL RESULT

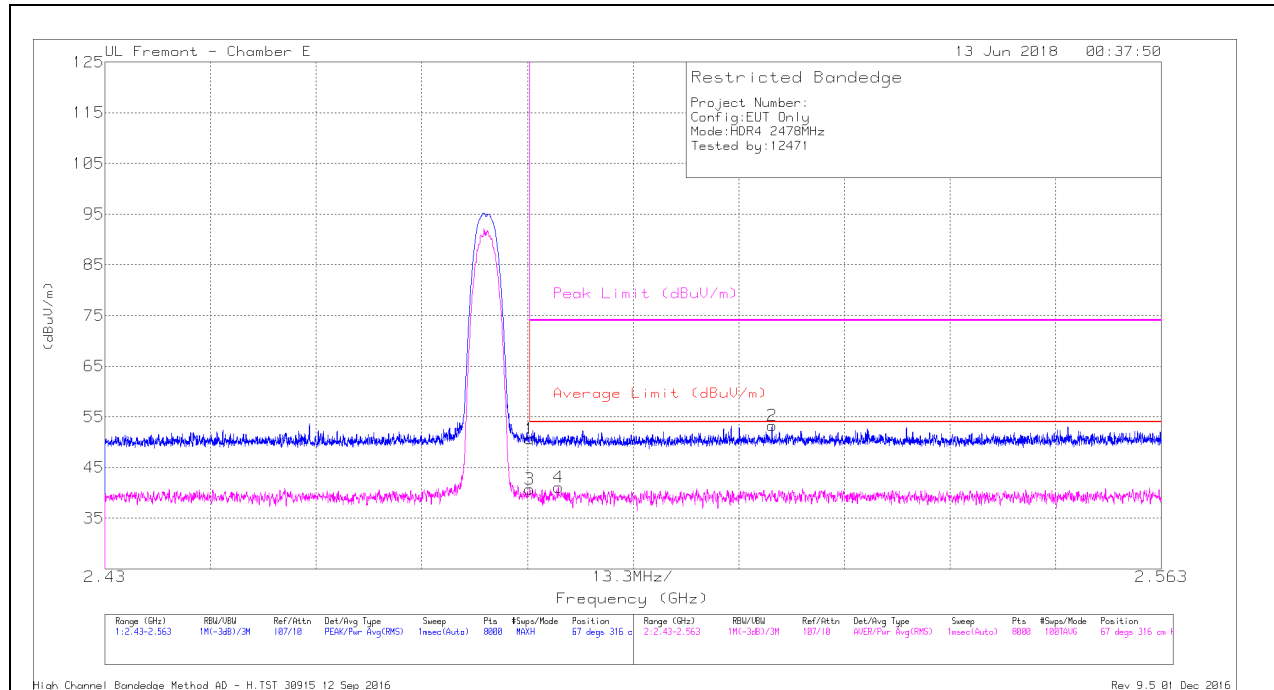


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dBm)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 2.326	31.79	RMS	31.8	-22.7	40.89	54	-13.11	-	-	74	383	V
2	* 2.337	43.31	Pk	31.8	-22.7	52.41	-	-	74	-21.59	74	383	V
1	* 2.39	40.8	Pk	32	-22.6	50.2	-	-	74	-23.8	74	383	V
3	* 2.39	30.81	RMS	32	-22.6	40.21	54	-13.79	-	-	74	383	V

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

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



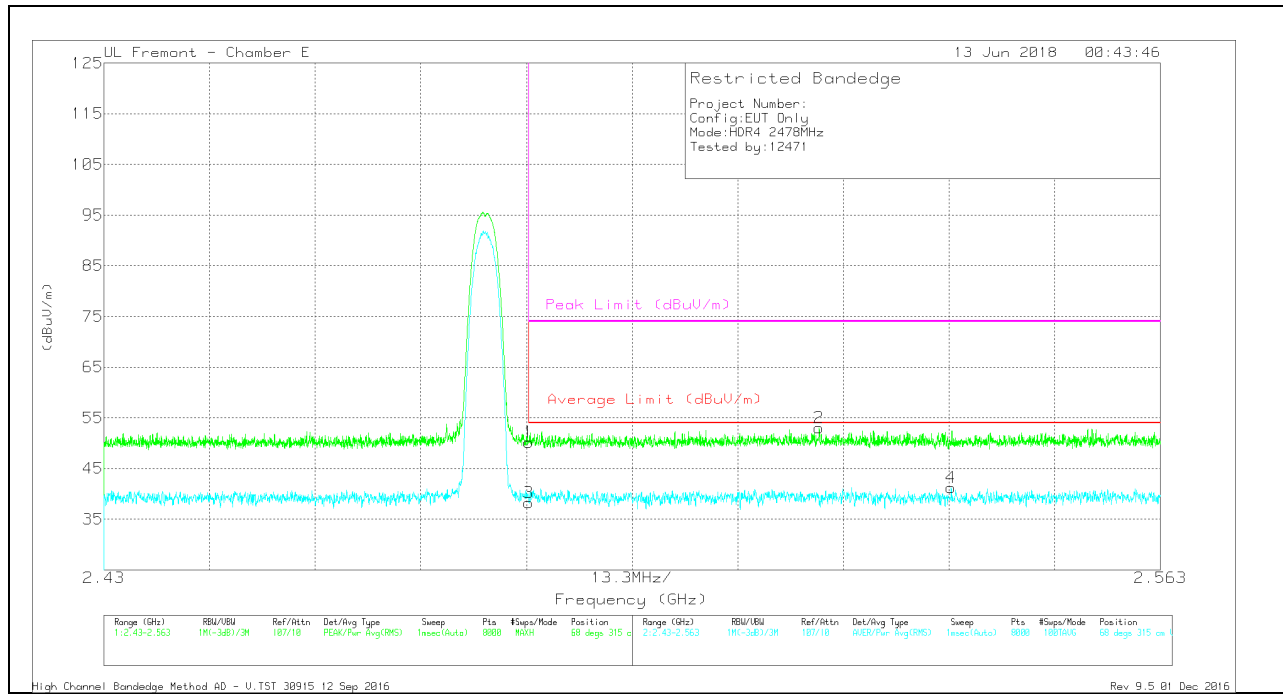
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dBm)	Amp/Cbl/FiltriP ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.84	Pk	32.1	-22.3	50.64	-	-	74	-23.36	67	316	H
3	* 2.484	30.95	RMS	32.1	-22.3	40.75	54	-13.25	-	-	67	316	H
4	* 2.487	31.37	RMS	32.1	-22.4	41.07	54	-12.93	-	-	67	316	H
2	2.514	43.34	Pk	32.1	-22.2	53.24	-	-	74	-20.76	67	316	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/Filtrip ad (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	40.37	PK	32.1	-22.3	50.17	-	-	74	-23.83	68	315	V
3	* 2.484	28.47	RMS	32.1	-22.3	38.27	54	-15.73	-	-	68	315	V
2	2.52	43.24	PK	32.1	-22.3	53.04	-	-	74	-20.96	68	315	V
4	2.537	31.54	RMS	32.1	-22.4	41.24	54	-12.76	-	-	68	315	V

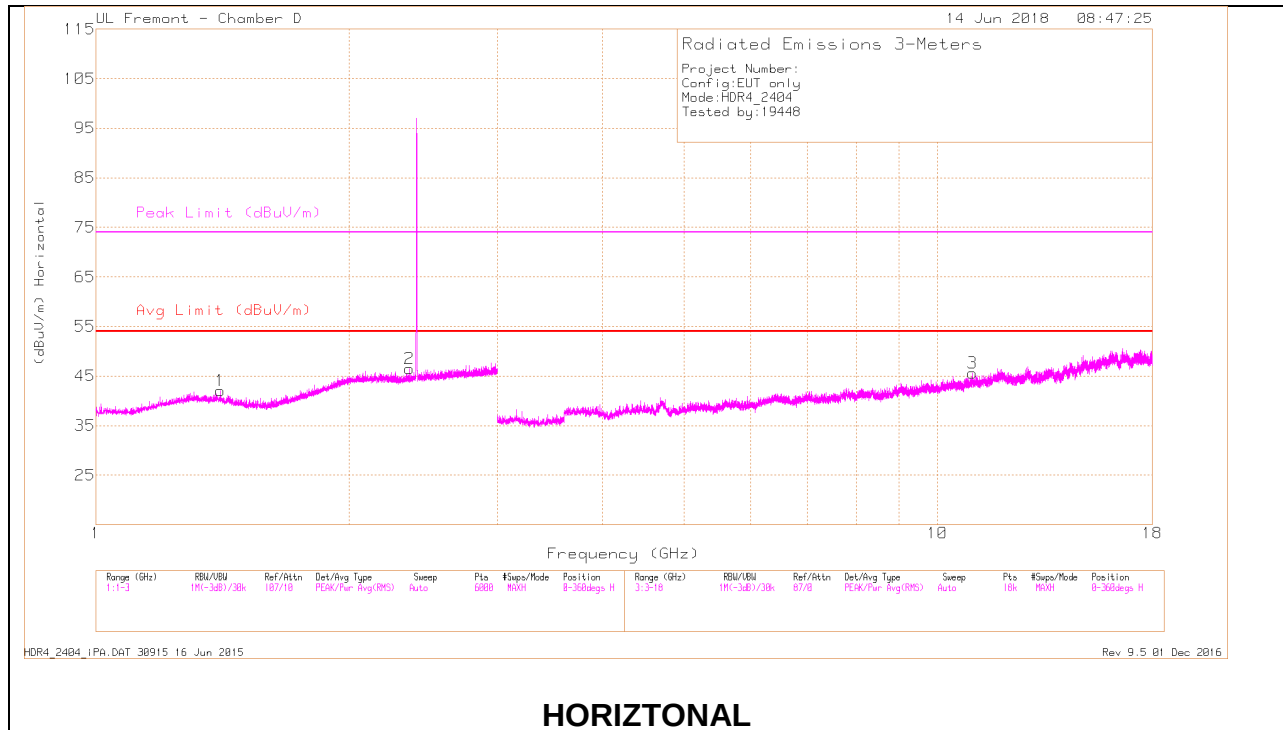
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

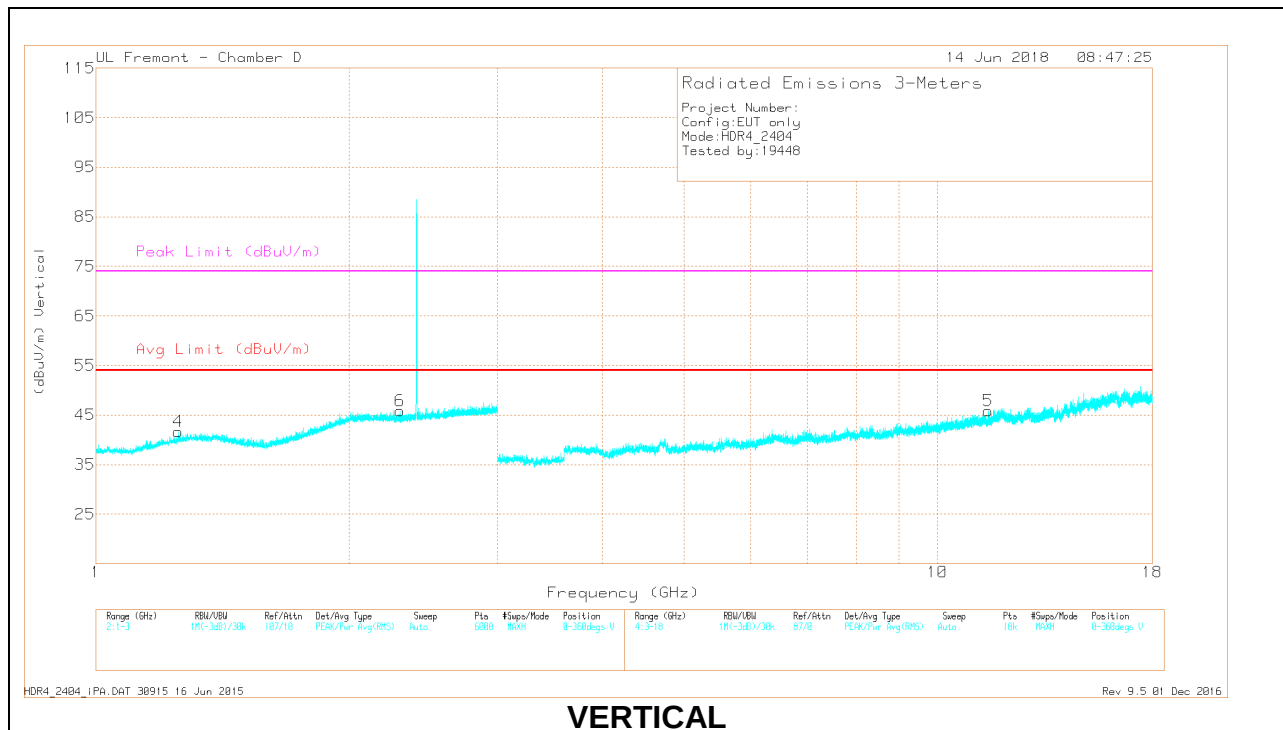
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZTONTAL



VERTICAL

RADIATED EMISSIONS

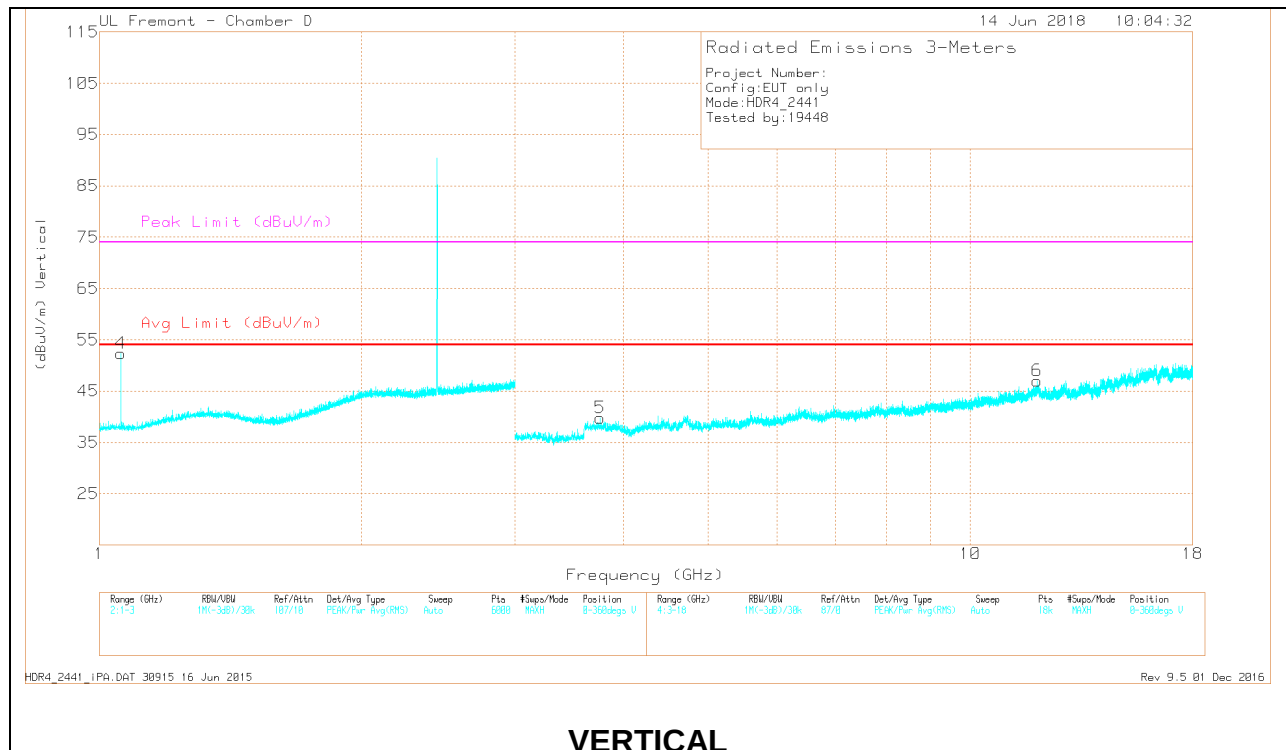
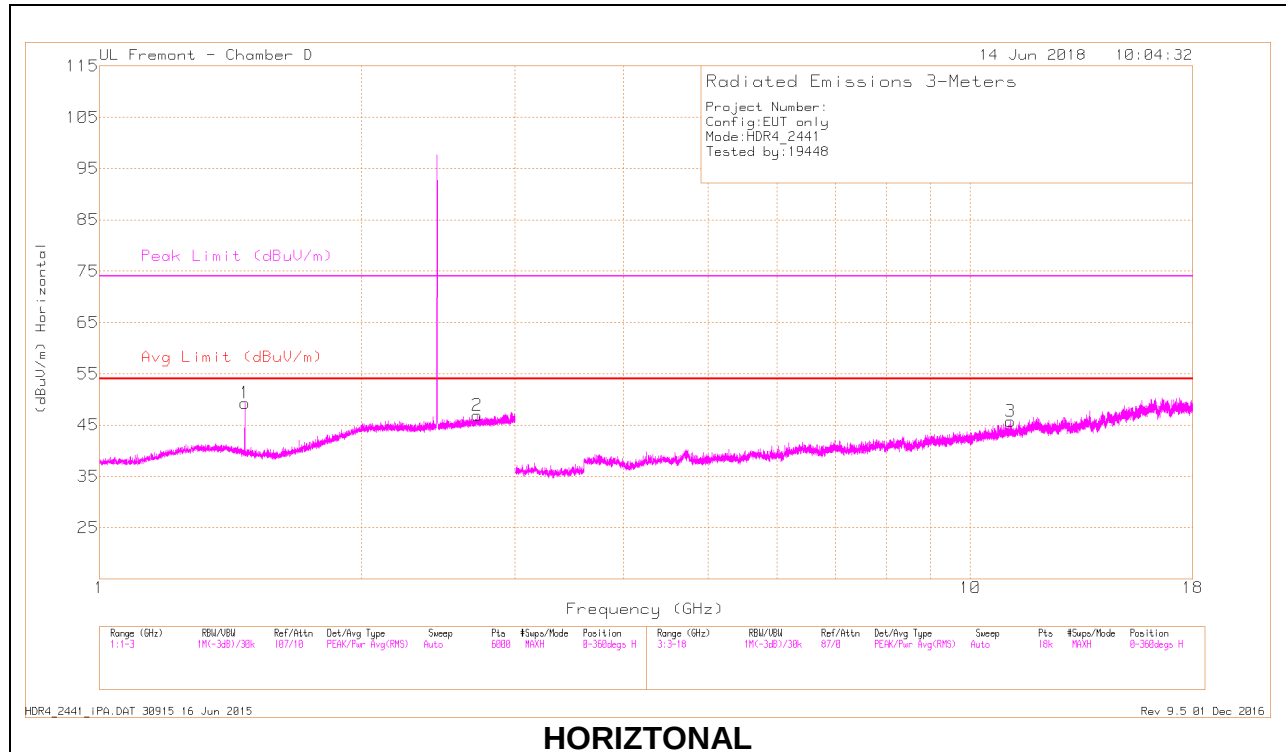
Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.355	43.83	PK2	31.9	-22.7	53.03	-	-	74	-20.97	6	320	H
	* 2.358	30.25	MAV1	31.9	-22.7	39.45	54	-14.55	-	-	6	320	H
2	* 1.406	44.57	PK2	28.7	-25	48.27	-	-	74	-25.73	349	169	H
	* 1.403	32.18	MAV1	28.7	-25	35.88	54	-18.12	-	-	349	169	H
4	* 1.255	45.25	PK2	28.5	-25.3	48.45	-	-	74	-25.55	164	189	V
	* 1.253	32.38	MAV1	28.5	-25.4	35.48	54	-18.52	-	-	164	189	V
6	* 2.218	44.1	PK2	32	-23	53.1	-	-	74	-20.9	71	269	V
	* 2.2	30.43	MAV1	32.1	-23.1	39.43	54	-14.57	-	-	71	269	V
3	* 10.999	35.75	PK2	38.5	-22.7	51.55	-	-	74	-22.45	310	370	H
	* 10.998	23.09	MAV1	38.5	-22.7	38.89	54	-15.11	-	-	310	370	H
5	* 11.492	35.94	PK2	38.7	-22.9	51.74	-	-	74	-22.26	3	328	V
	* 11.495	23.16	MAV1	38.7	-22.9	38.96	54	-15.04	-	-	3	328	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

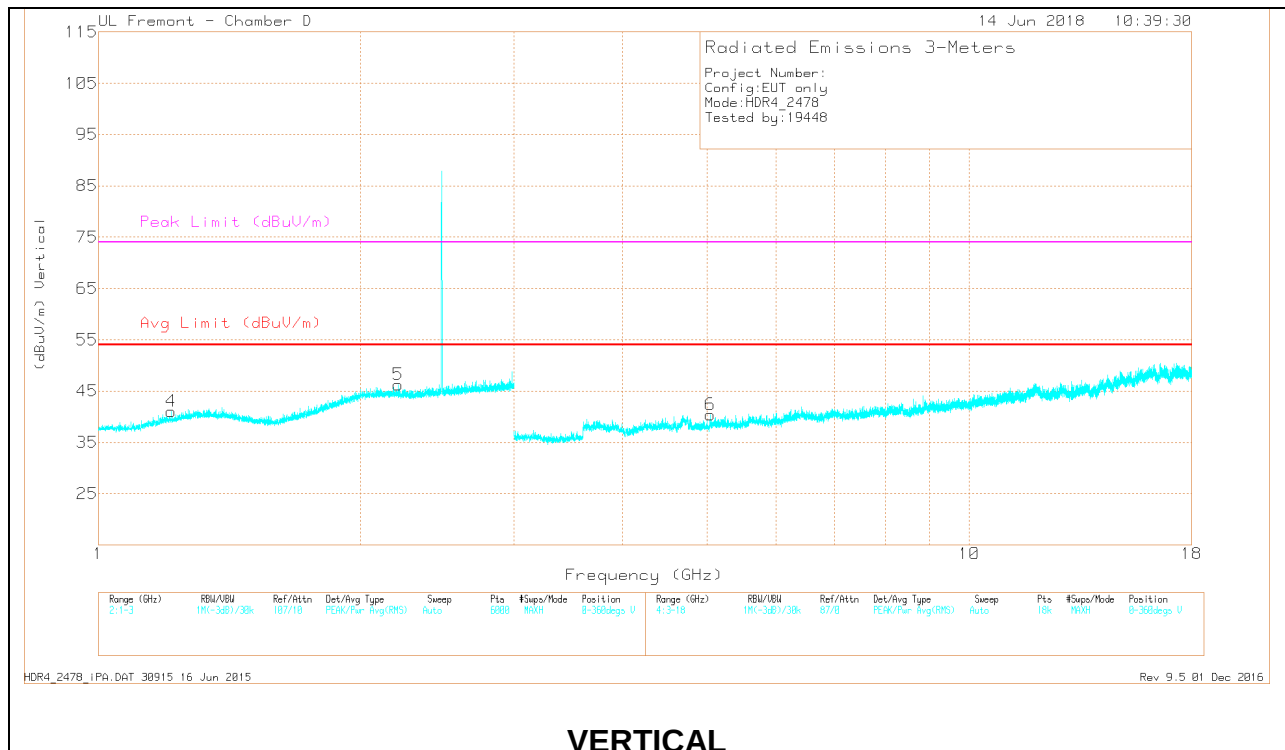
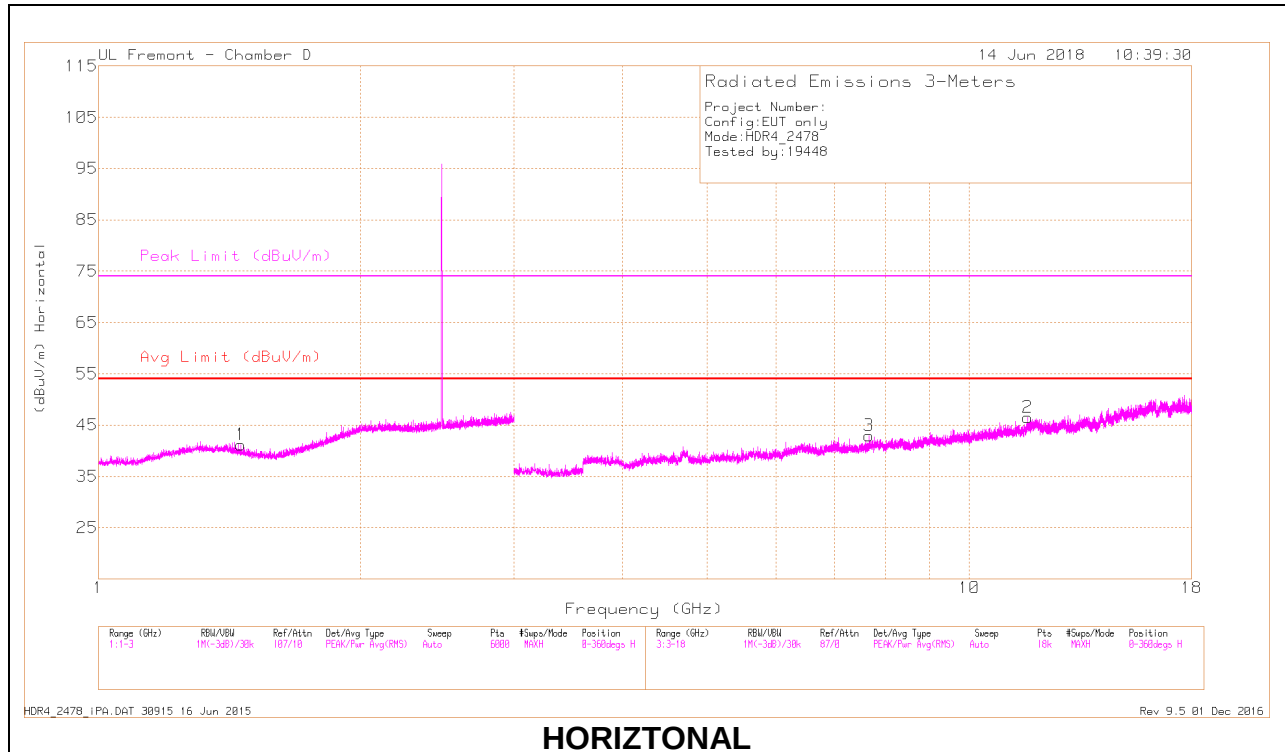
Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.47	45.23	PK2	28	-24.8	48.43			74	-25.57	255	233	H
	* 1.469	31.86	MAv1	28	-24.8	35.06	54	-18.94	-	-	255	233	H
2	* 2.714	43.11	PK2	32.5	-22	53.61			74	-20.39	255	201	H
	* 2.716	30.15	MAv1	32.5	-22	40.65	54	-13.35	-	-	255	201	H
4	* 1.06	45.08	PK2	26.4	-25.8	45.68			74	-28.32	255	100	V
	* 1.058	33.33	MAv1	26.4	-25.8	33.93	54	-20.07	-	-	255	100	V
3	* 11.114	36.32	PK2	38.5	-22.7	52.12			74	-21.88	255	100	H
	* 11.117	24.58	MAv1	38.5	-22.7	40.38	54	-13.62	-	-	255	100	H
5	* 3.759	41.58	PK2	33.6	-29.5	45.68			74	-28.32	255	100	V
	* 3.758	29.61	MAv1	33.6	-29.6	33.61	54	-20.39	-	-	255	100	V
6	* 11.929	36.7	PK2	39.5	-21.9	54.3			74	-19.7	255	100	V
	* 11.926	24.45	MAv1	39.5	-21.9	42.05	54	-11.95	-	-	255	100	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/F ltr/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	* 1.458	44.02	PK2	28.1	-24.9	47.22			74	-26.78	360	200	H
	* 1.453	32.63	MAv1	28.2	-24.9	35.93	54	-18.07	-	-	360	200	H
4	* 1.211	45.11	PK2	28.1	-25.5	47.71			74	-26.29	360	101	V
	* 1.21	32.99	MAv1	28.1	-25.5	35.59	54	-18.41	-	-	360	101	V
5	* 2.21	43.42	PK2	32	-23	52.42			74	-21.58	360	101	V
	* 2.209	31.02	MAv1	32	-23	40.02	54	-13.98	-	-	360	101	V
2	* 11.667	36.6	PK2	39	-22.1	53.5			74	-20.5	360	101	H
	* 11.666	24.48	MAv1	39	-22.2	41.28	54	-12.72	-	-	360	101	H
3	* 7.673	38.66	PK2	36.5	-26.4	48.76			74	-25.24	360	101	H
	* 7.674	27.25	MAv1	36.5	-26.4	37.35	54	-16.65	-	-	360	101	H
5	* 5.045	41.57	PK2	34.6	-29.1	47.07			74	-26.93	360	101	V
	* 5.044	29.52	MAv1	34.6	-29.1	35.02	54	-18.98	-	-	360	101	V

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

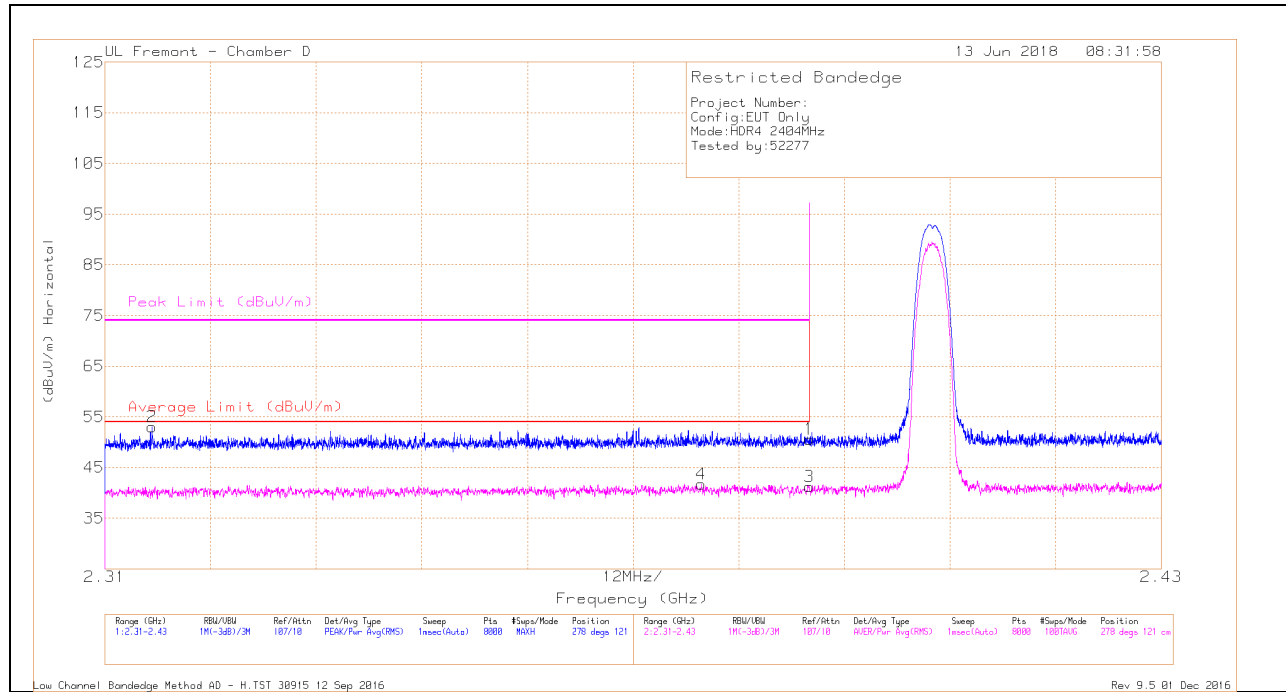
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

Antenna 3

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



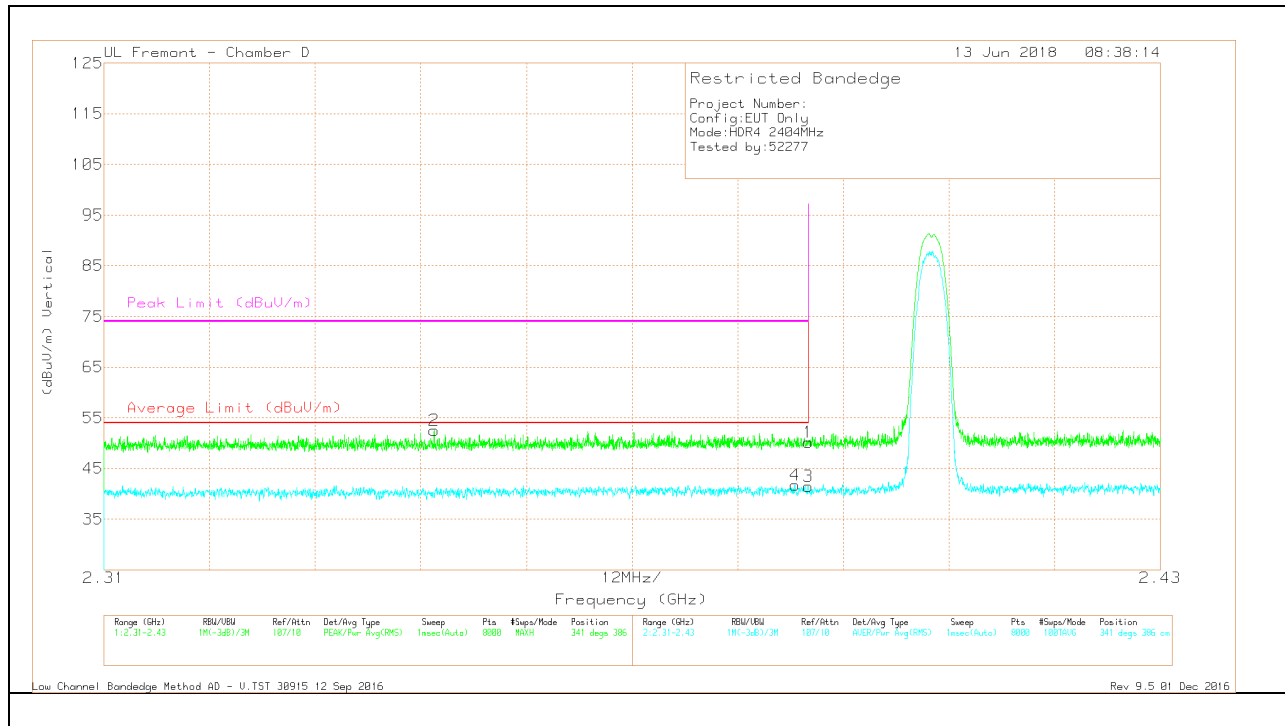
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dBm)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	39.2	Pk	31.9	-20.5	50.6	-	-	74	-23.4	278	121	H
2	* 2.315	42.09	Pk	31.5	-20.6	52.99	-	-	74	-21.01	278	121	H
3	* 2.39	29.82	RMS	31.9	-20.5	41.22	54	-12.78	-	-	278	121	H
4	* 2.378	30.33	RMS	31.8	-20.4	41.73	54	-12.27	-	-	278	121	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

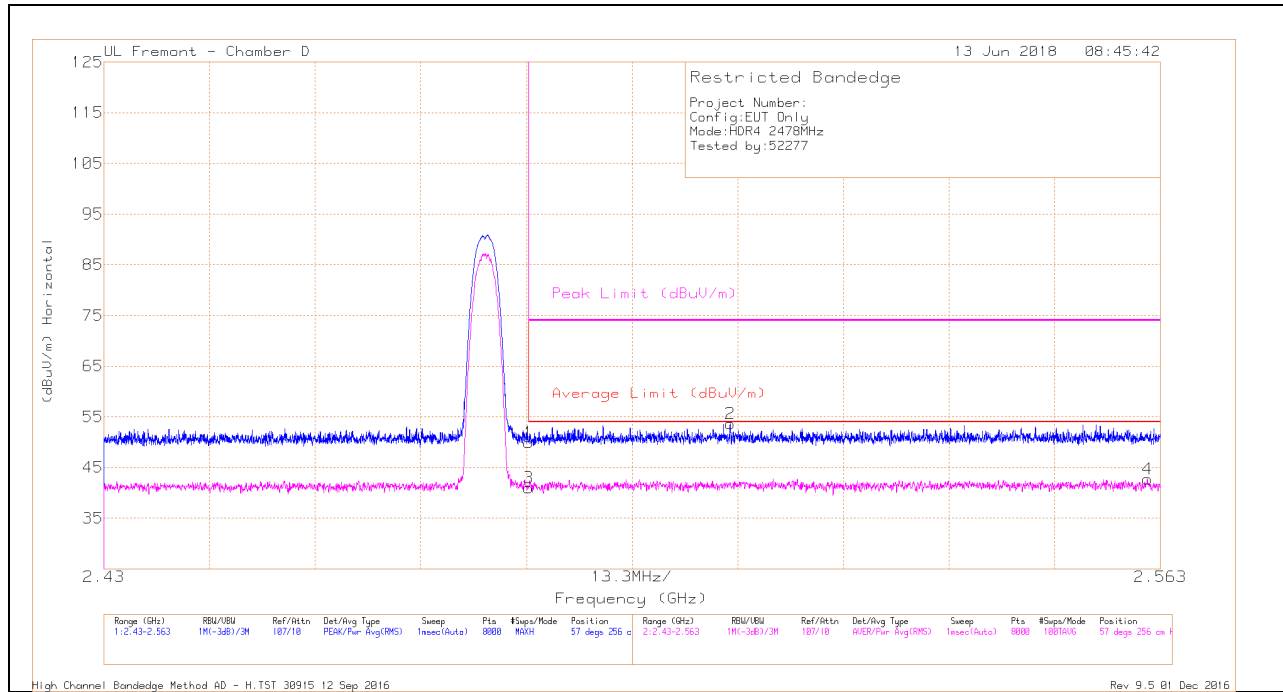


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dBm)	Amp/CbI/Filt/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	38.82	Pk	31.9	-20.5	50.22	-	-	74	-23.78	341	386	V
2	* 2.348	41.52	Pk	31.6	-20.6	52.52	-	-	74	-21.48	341	386	V
3	* 2.39	30.12	RMS	31.9	-20.5	41.52	54	-12.48	-	-	341	386	V
4	* 2.388	30.37	RMS	31.9	-20.5	41.77	54	-12.23	-	-	341	386	V

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

BANEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



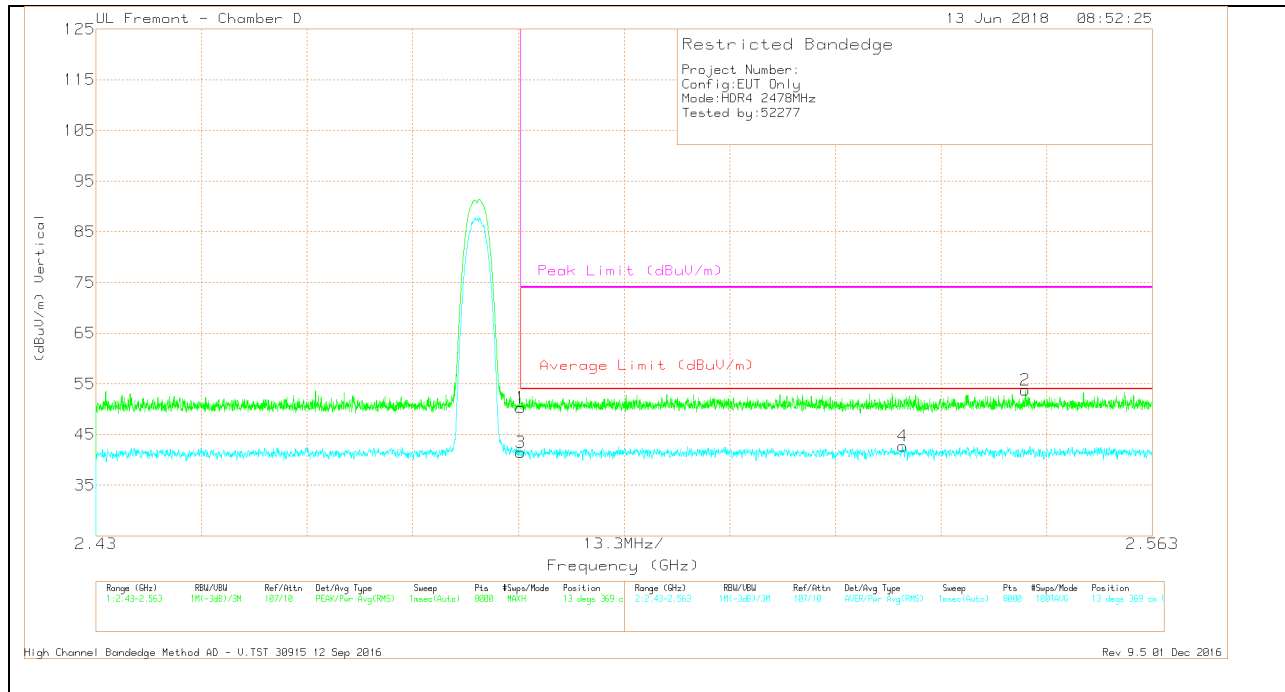
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1	* 2.484	37.96	Pk	32.4	-20.4	49.96	-	-	74	-24.04	57	256	H
3	* 2.484	28.99	RMS	32.4	-20.4	40.99	54	-13.01	-	-	57	256	H
2	2.509	41.59	Pk	32.4	-20.3	53.69	-	-	74	-20.31	57	256	H
4	2.561	30.63	RMS	32.5	-20.4	42.73	54	-11.27	-	-	57	256	H

* - 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/Cb1/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	38.34	Pk	32.4	-20.4	50.34	-	-	74	-23.66	13	369	V
3	* 2.484	29.5	RMS	32.4	-20.4	41.5	54	-12.5	-	-	13	369	V
4	2.532	30.76	RMS	32.4	-20.4	42.76	54	-11.24	-	-	13	369	V
2	2.547	41.65	Pk	32.4	-20.3	53.75	-	-	74	-20.25	13	369	V

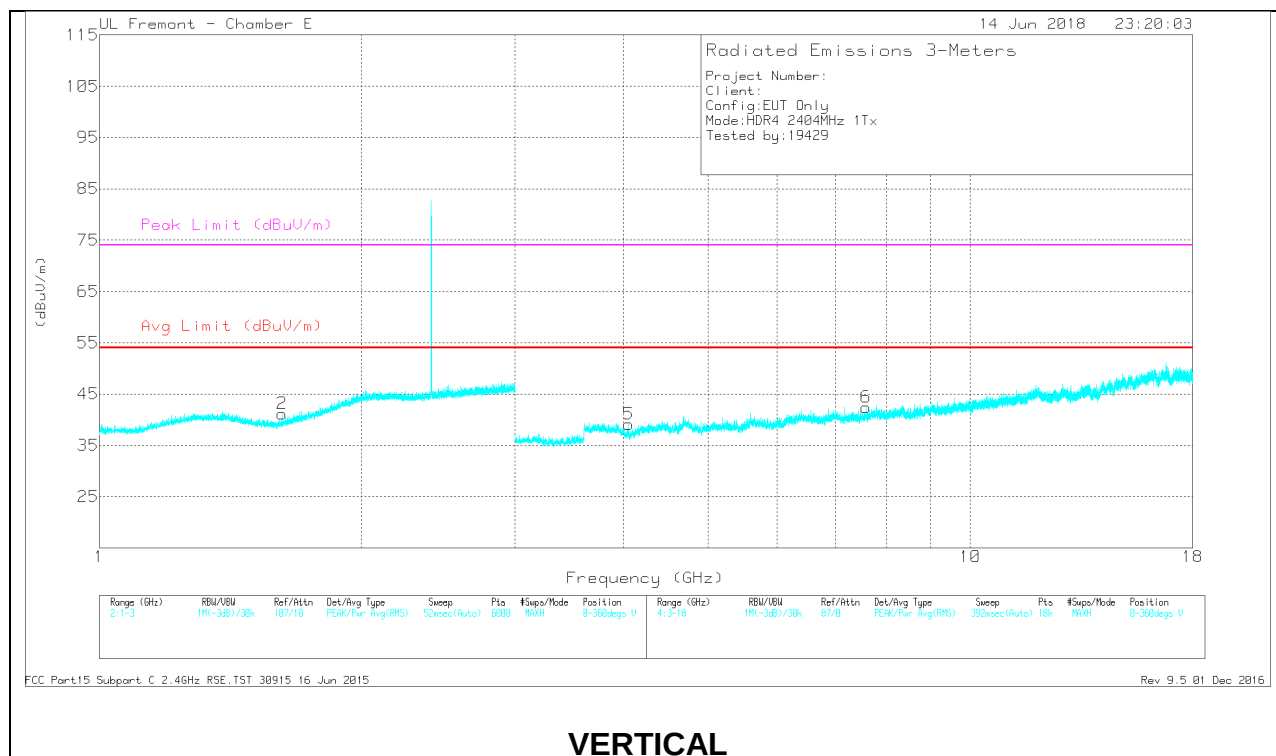
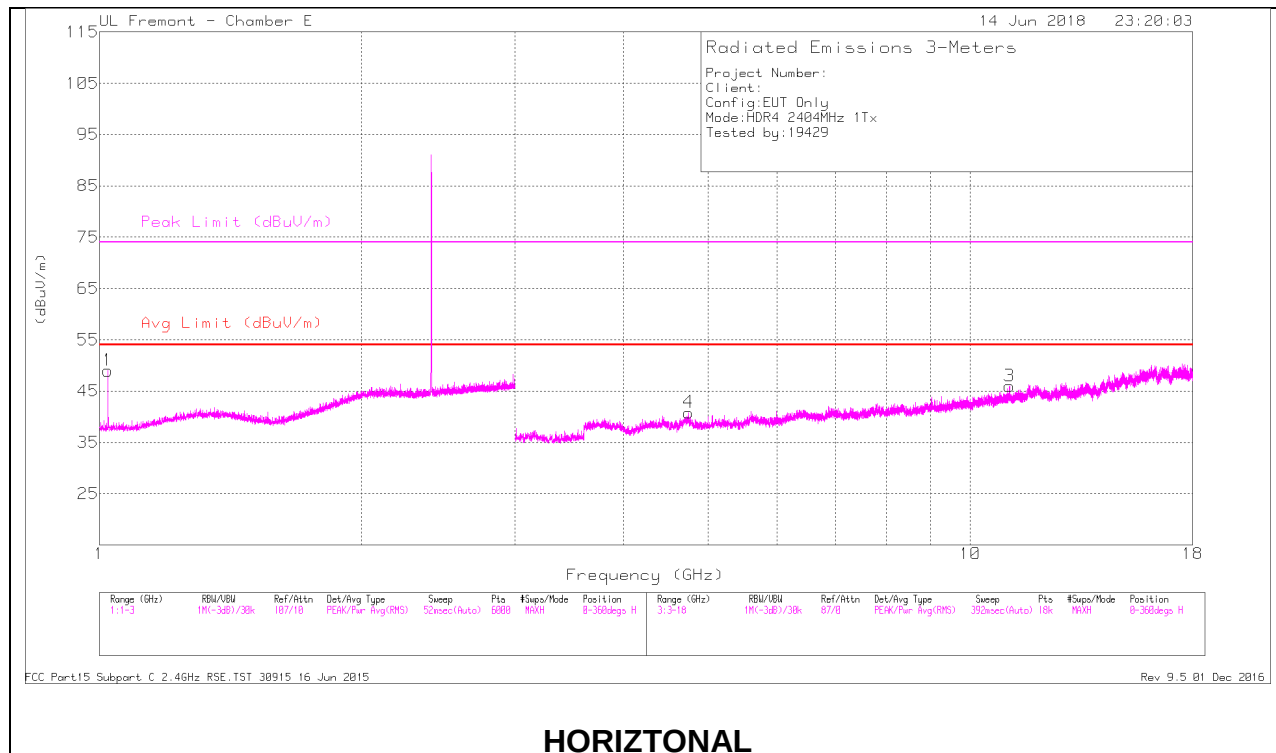
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

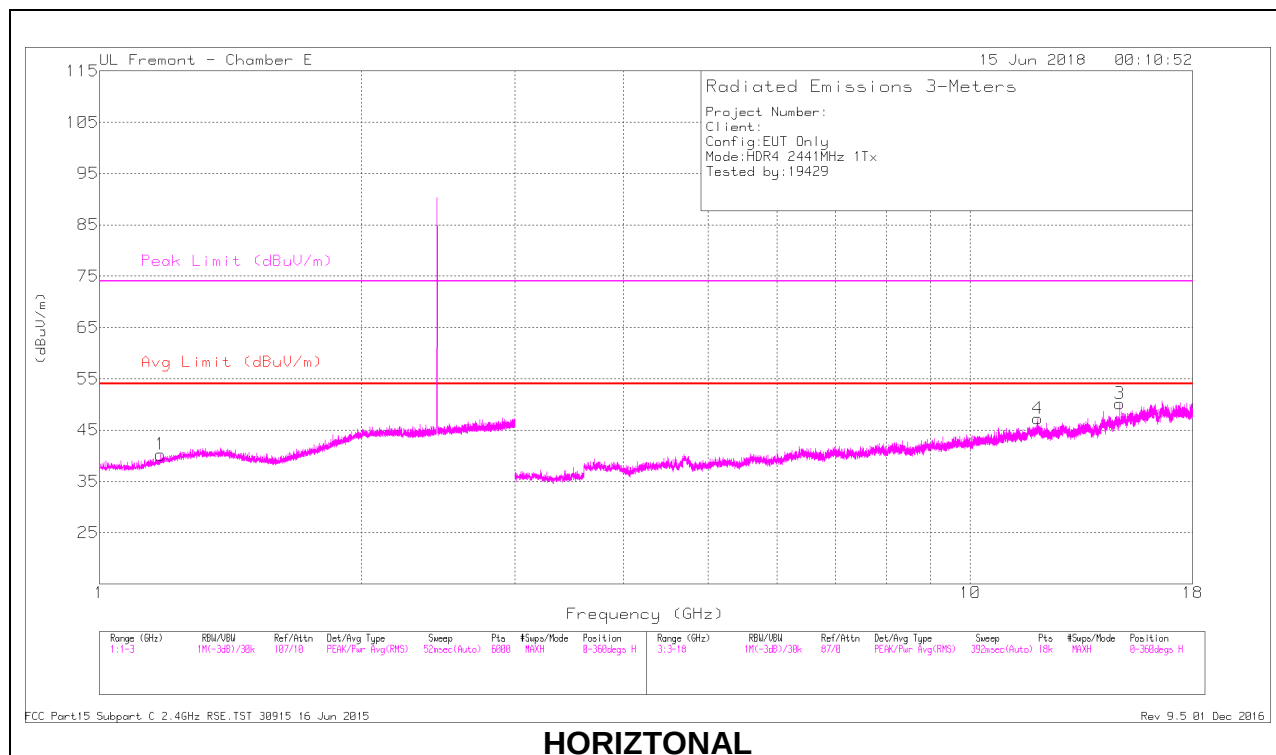
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Ampl/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.023	45.7	PK2	26.5	-25.9	46.3	-	-	74	-27.7	285	186	H
	* 1.023	33.04	MAv1	26.5	-25.9	33.64	54	-20.36	-	-	285	186	H
2	* 1.621	44.65	PK2	27.4	-24.4	47.65	-	-	74	-26.35	162	156	V
	* 1.622	31.59	MAv1	27.4	-24.4	34.59	54	-19.41	-	-	162	156	V
3	* 11.09	36.37	PK2	38.5	-23	51.87	-	-	74	-22.13	169	351	H
	* 11.088	23.67	MAv1	38.5	-23	39.17	54	-14.83	-	-	169	351	H
4	* 4.746	42.9	PK2	34.4	-28.6	48.7	-	-	74	-25.3	169	351	H
	* 4.747	30.29	MAv1	34.4	-28.6	36.09	54	-17.91	-	-	169	351	H
5	* 4.051	41.24	PK2	33.6	-29.9	44.94	-	-	74	-29.06	169	351	V
	* 4.051	30.02	MAv1	33.6	-29.9	33.72	54	-20.28	-	-	169	351	V
6	* 7.589	38.61	PK2	36.3	-25.7	49.21	-	-	74	-24.79	169	351	V
	* 7.588	26.37	MAv1	36.3	-25.7	36.97	54	-17.03	-	-	169	351	V

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

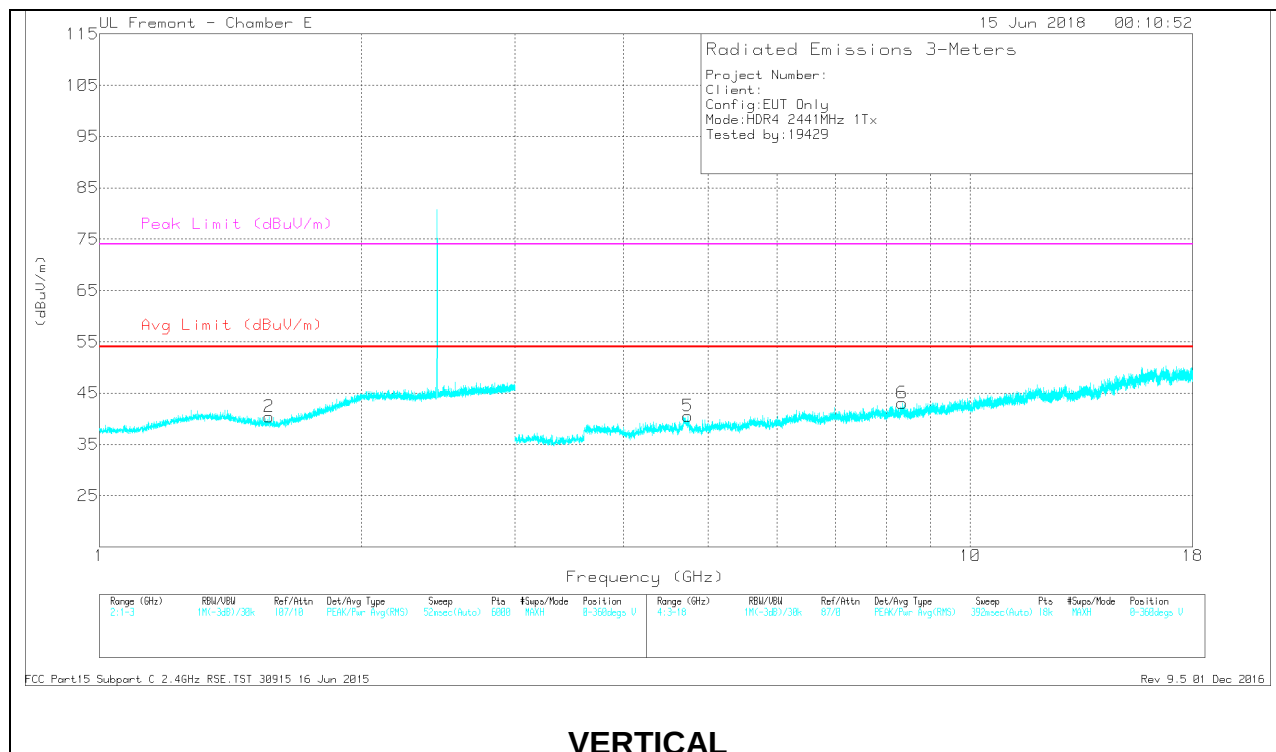
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

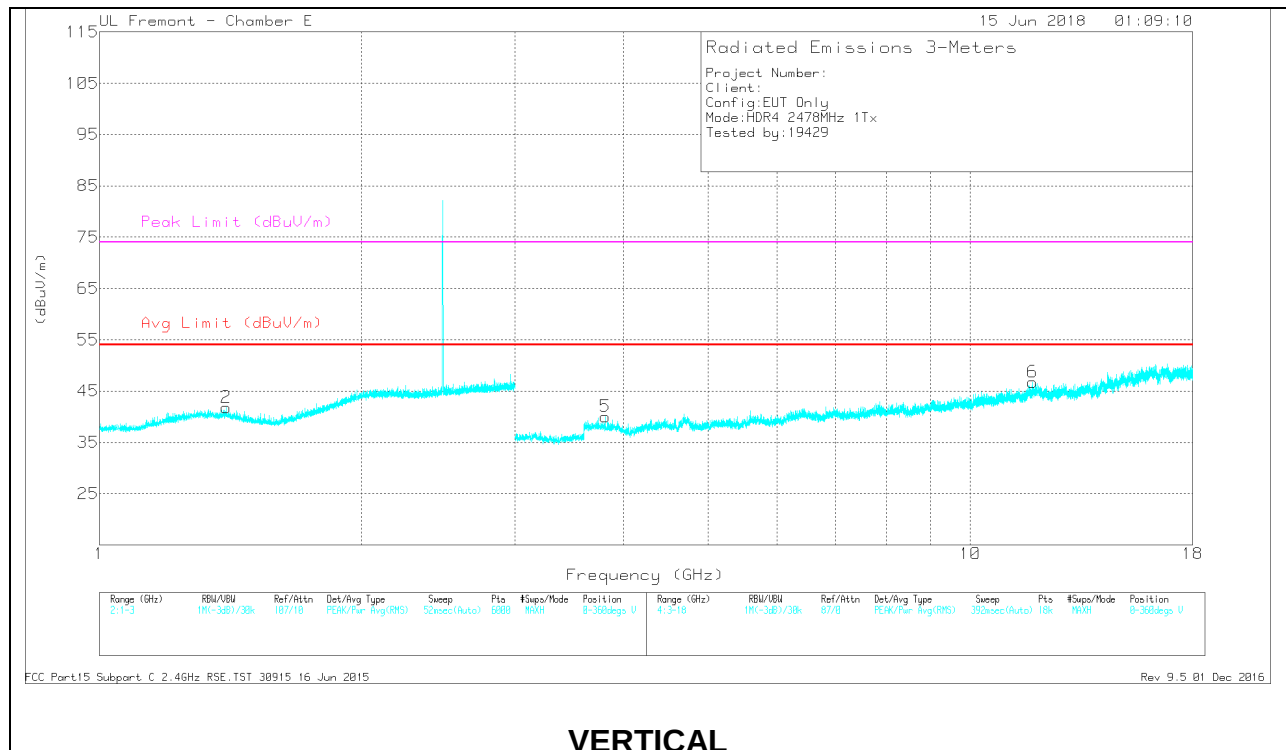
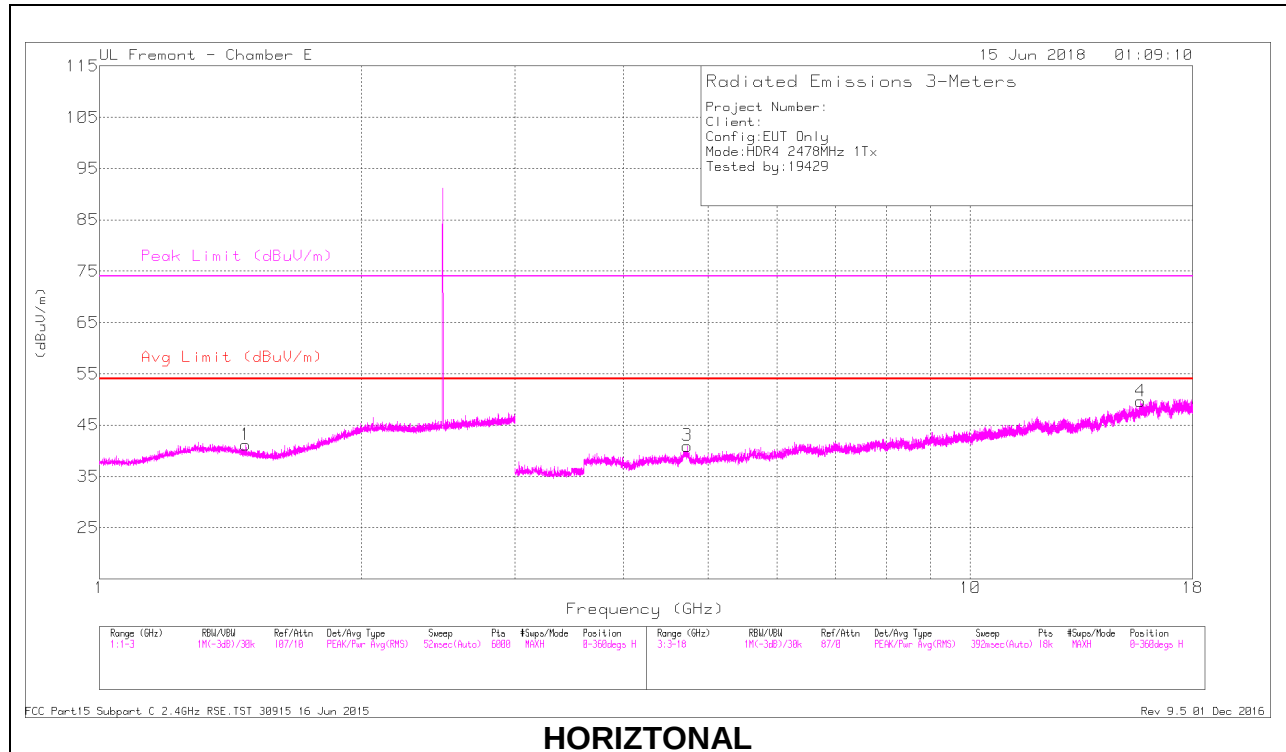
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Ampl/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.174	45.49	PK2	27.5	-25.6	47.39	-	-	74	-26.61	128	250	H
	* 1.173	32.49	MAv1	27.5	-25.6	34.39	54	-19.61	-	-	128	250	H
2	* 1.566	44.21	PK2	27.3	-24.5	47.01	-	-	74	-26.99	119	294	V
	* 1.567	31.76	MAv1	27.3	-24.5	34.56	54	-19.44	-	-	119	294	V
4	* 11.959	36.33	PK2	39.6	-22.5	53.43	-	-	74	-20.57	340	377	H
	* 11.963	22.99	MAv1	39.6	-22.5	40.09	54	-13.91	-	-	340	377	H
5	* 4.742	42.96	PK2	34.4	-28.5	48.86	-	-	74	-25.14	340	377	V
	* 4.742	30.39	MAv1	34.4	-28.5	36.29	54	-17.71	-	-	340	377	V
6	* 8.353	38.93	PK2	36.5	-25	50.43	-	-	74	-23.57	340	377	V
	* 8.35	26.29	MAv1	36.5	-25	37.79	54	-16.21	-	-	340	377	V
3	14.841	37.33	PK2	40.4	-21.9	55.83	-	-	-	-	329	119	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/F ltr/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	* 1.47	44.54	PK2	28	-24.8	47.74	-	-	74	-26.26	80	100	H
	* 1.473	31.97	MAv1	27.9	-24.8	35.07	54	-18.93	-	-	80	100	H
2	* 1.4	44.36	PK2	28.8	-25.1	48.06	-	-	74	-25.94	80	100	V
	* 1.396	32.74	MAv1	28.8	-25.1	36.44	54	-17.56	-	-	80	100	V
3	* 4.731	41.86	PK2	34.4	-28.3	47.96	-	-	74	-26.04	56	215	H
	* 4.731	29.14	MAv1	34.4	-28.3	35.24	54	-18.76	-	-	56	215	H
4	* 15.694	35.78	PK2	41.6	-21.4	55.98	-	-	74	-18.02	56	215	H
	* 15.695	22.96	MAv1	41.6	-21.4	43.16	54	-10.84	-	-	56	215	H
5	* 3.808	42.18	PK2	33.7	-30.1	45.78	-	-	74	-28.22	56	215	V
	* 3.807	30.73	MAv1	33.7	-30.1	34.33	54	-19.67	-	-	56	215	V
6	* 11.794	35.38	PK2	39.4	-23.5	51.28	-	-	74	-22.72	56	215	V
	* 11.792	22.59	MAv1	39.4	-23.5	38.49	54	-15.51	-	-	56	215	V

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

PK2 - KDB558074 Method: Maximum Peak

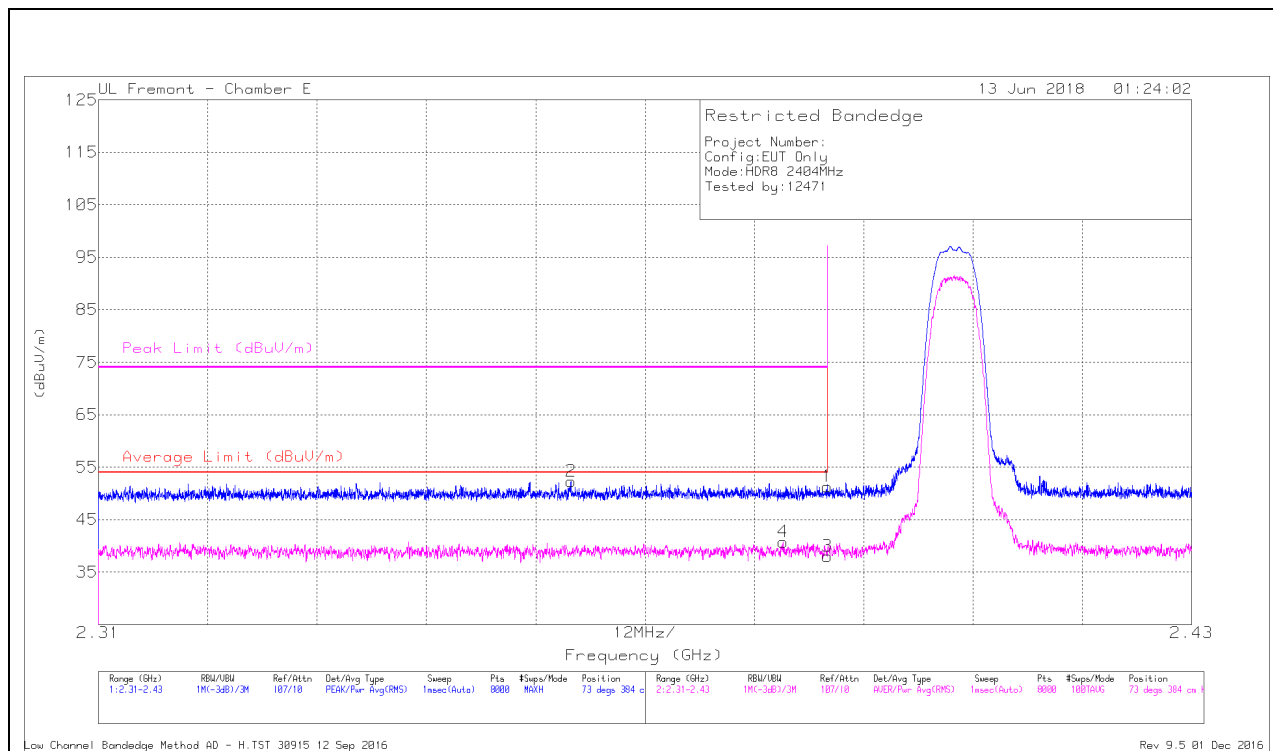
MAv1 - KDB558074 Option 1 Maximum RMS Average

9.2.4. LOW POWER HDR8

Antenna 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



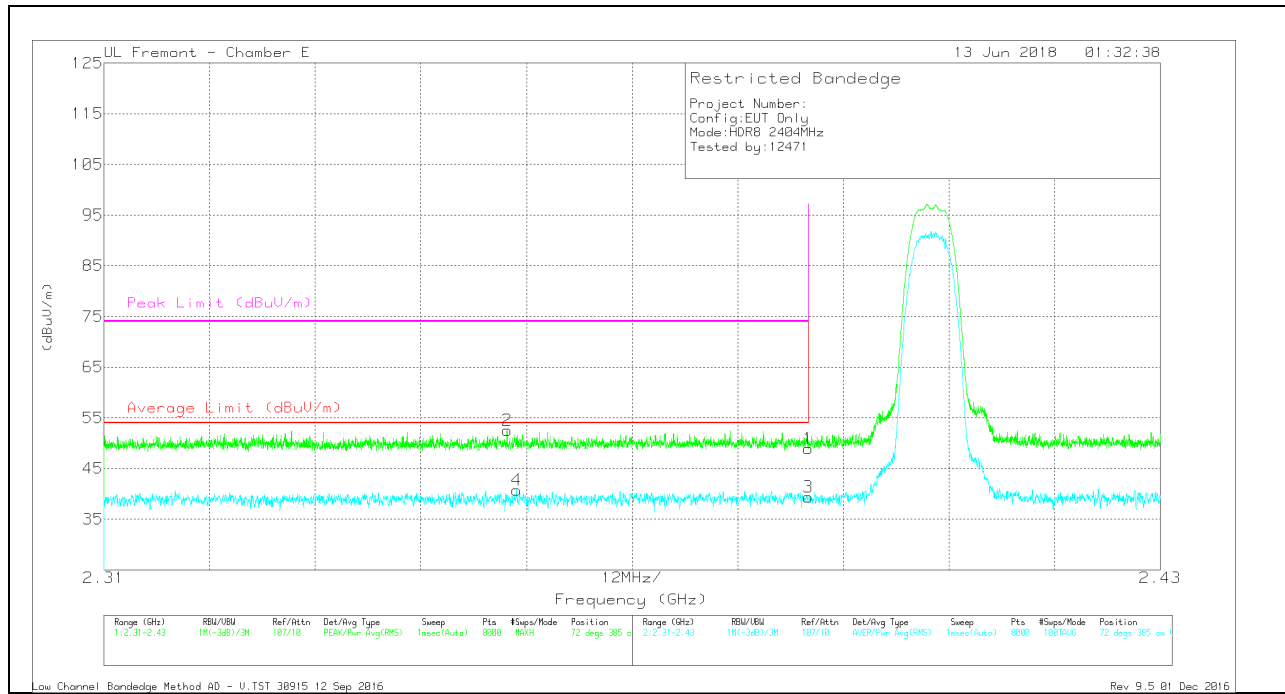
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.362	43.11	Pk	31.9	-22.7	52.31	-	-	74	-21.69	73	384	H
4	* 2.385	31.41	RMS	31.9	-22.6	40.71	54	-13.29	-	-	73	384	H
1	* 2.39	41.89	Pk	32	-22.6	51.29	-	-	74	-22.71	73	384	H
3	* 2.39	28.62	RMS	32	-22.6	38.02	54	-15.98	-	-	73	384	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/Cb/Fltr/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	39.53	Pk	32	-22.6	48.93	-	-	74	-25.07	72	385	V
2	* 2.356	43.27	Pk	31.9	-22.7	52.47	-	-	74	-21.53	72	385	V
3	* 2.39	29.92	RMS	32	-22.6	39.32	54	-14.68	-	-	72	385	V
4	* 2.357	31.52	RMS	31.9	-22.7	40.72	54	-13.28	-	-	72	385	V

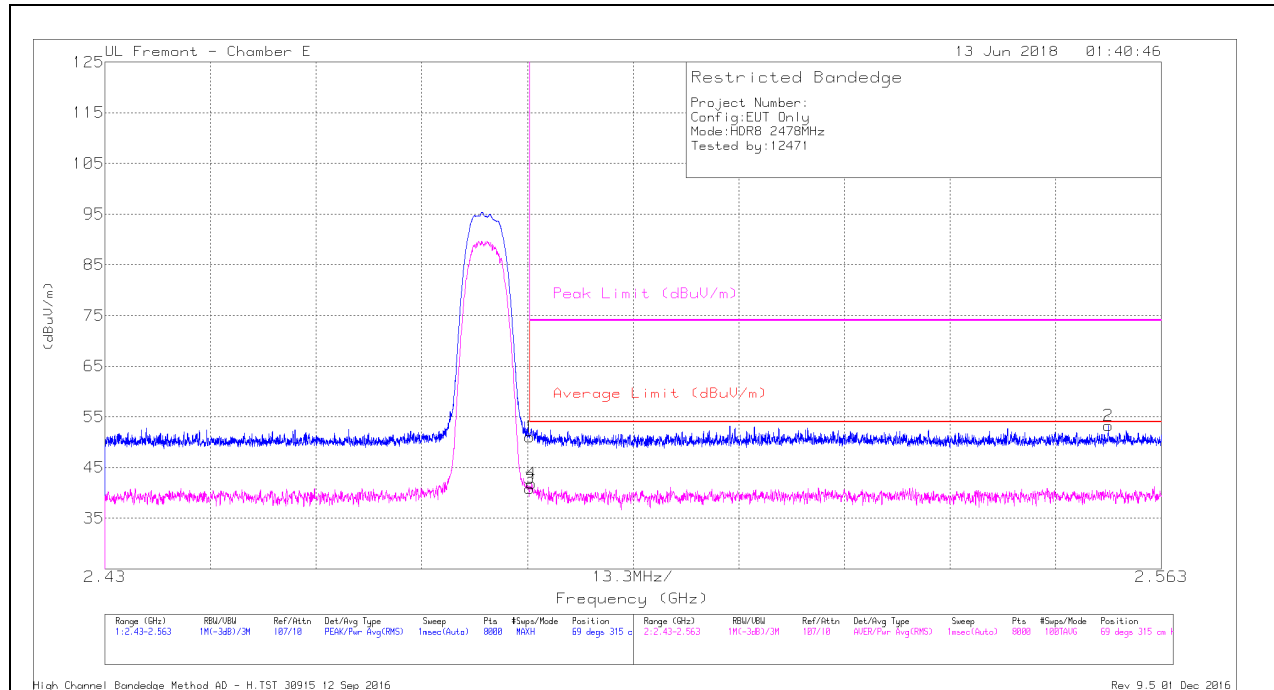
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



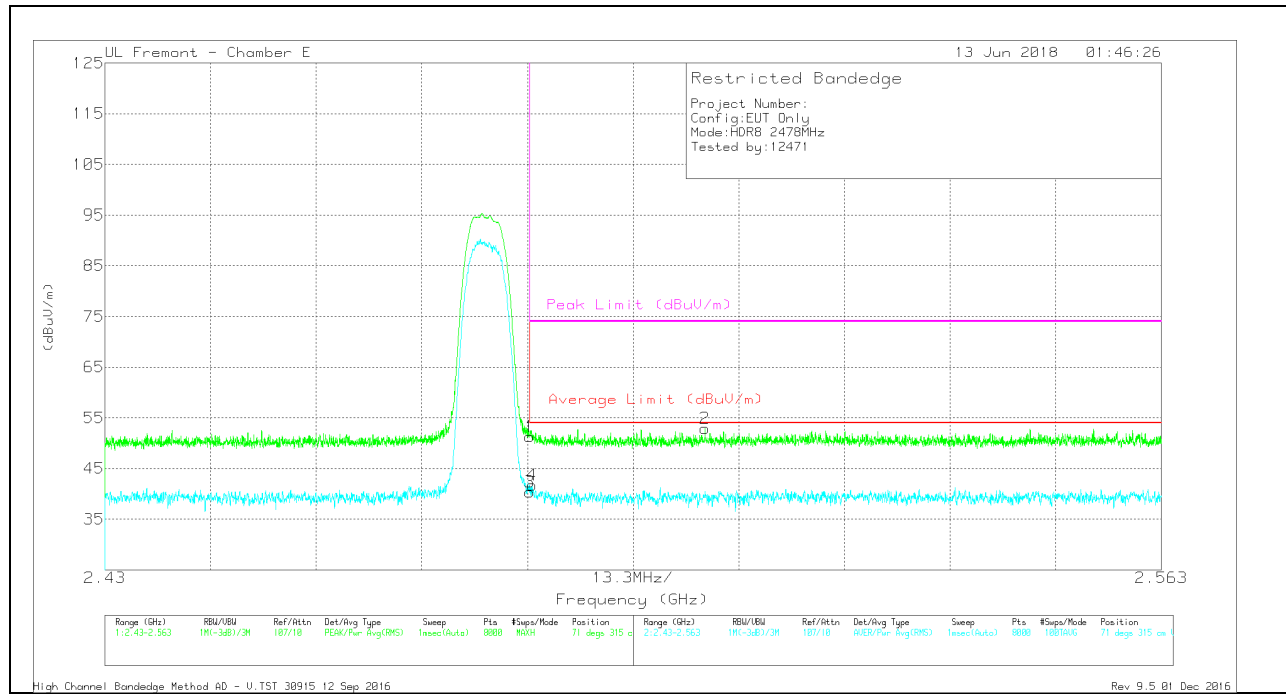
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cb/Fltr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	41.24	Pk	32.1	-22.3	51.04	-	-	74	-22.96	69	315	H
3	* 2.484	31.08	RMS	32.1	-22.3	40.88	54	-13.12	-	-	69	315	H
4	* 2.484	32.07	RMS	32.1	-22.3	41.87	54	-12.13	-	-	69	315	H
2	2.556	43.47	Pk	32.1	-22.3	53.27	-	-	74	-20.73	69	315	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/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	* 2.484	41.44	Pk	32.1	-22.3	51.24	-	-	74	-22.76	71	315	V
3	* 2.484	30.57	RMS	32.1	-22.3	40.37	54	-13.63	-	-	71	315	V
4	* 2.484	31.88	RMS	32.1	-22.3	41.68	54	-12.32	-	-	71	315	V
2	2.506	43.14	Pk	32.1	-22.3	52.94	-	-	74	-21.06	71	315	V

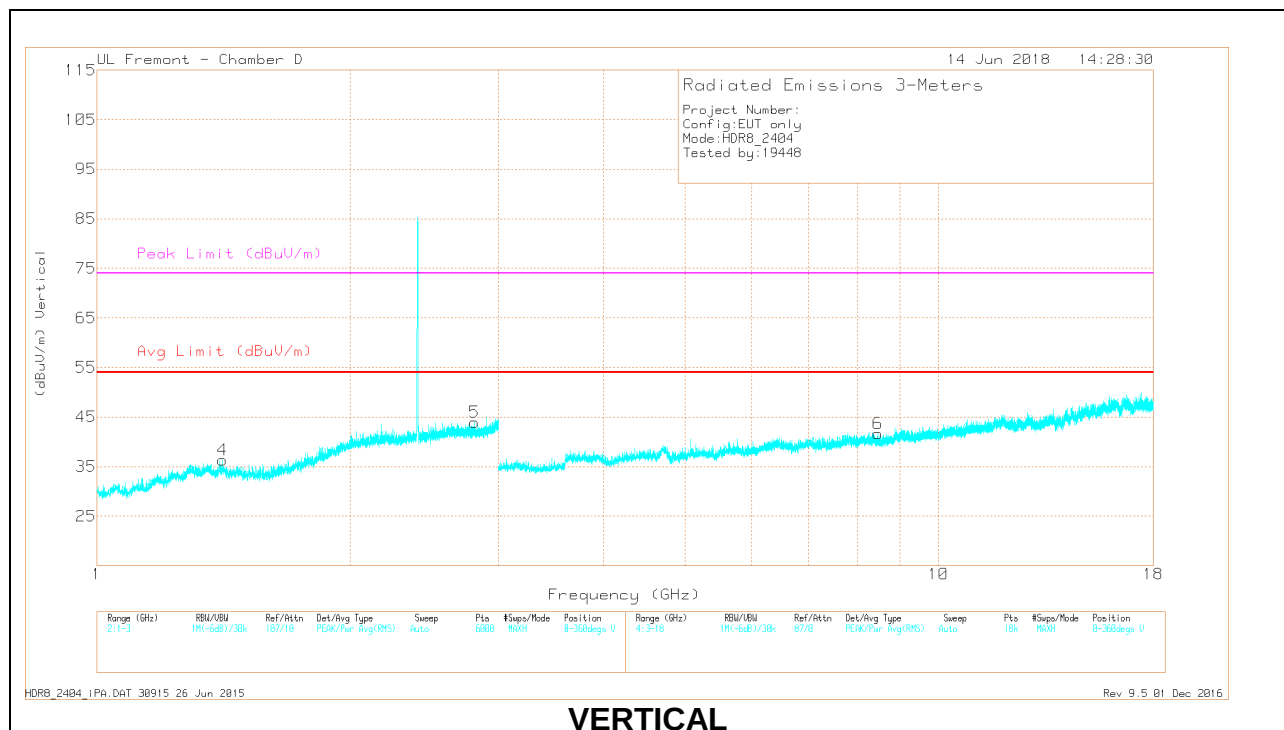
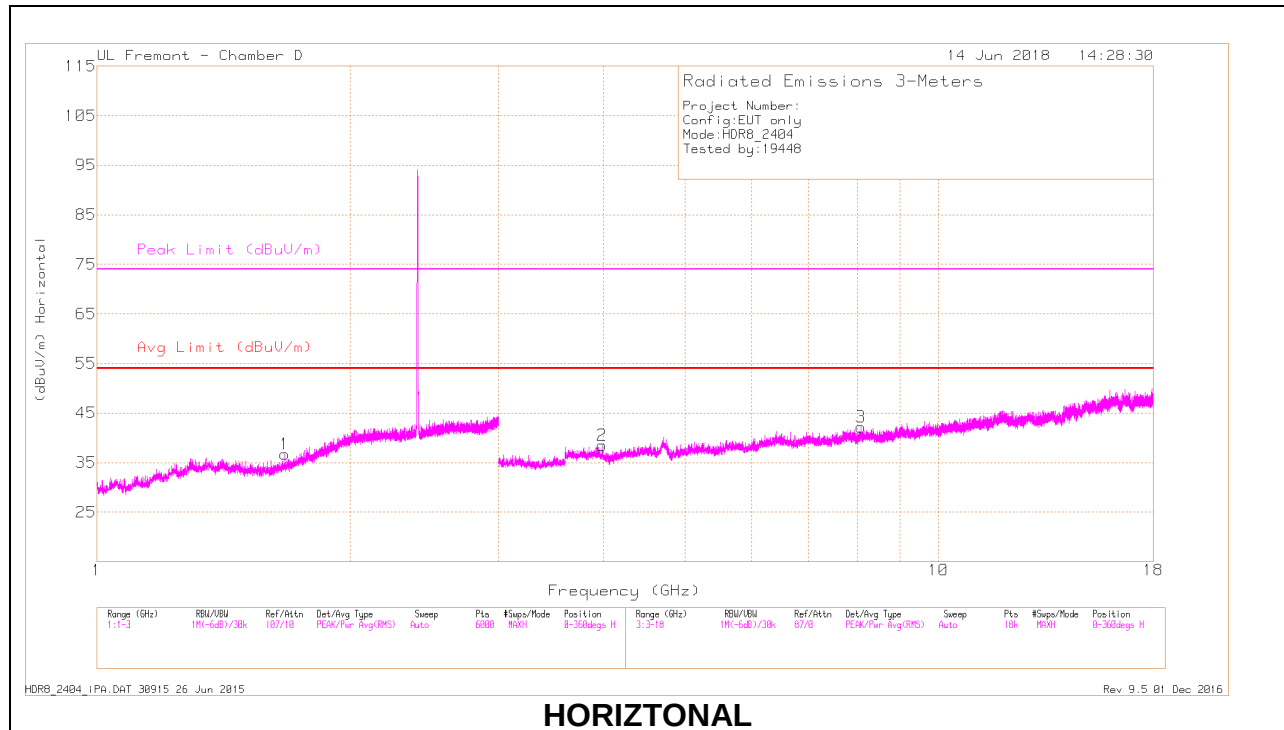
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

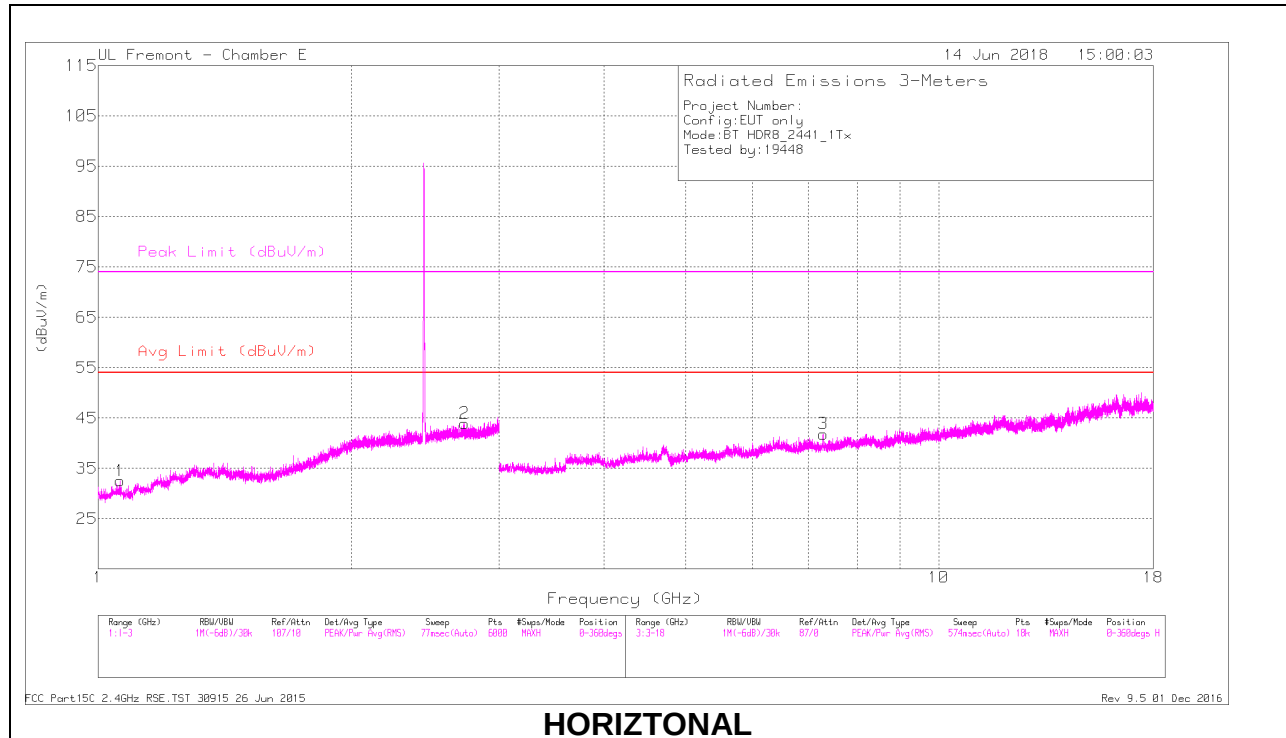
Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.673	34.58	PK2	28	-20.4	42.18	-	-	74	-31.82	0	201	H
	* 1.671	19.09	MAv1	28	-20.4	26.69	54	-27.31	-	-	0	201	H
4	* 1.411	34.64	PK2	28.6	-21.2	42.04	-	-	74	-31.96	0	101	V
	* 1.411	19.82	MAv1	28.6	-21.2	27.22	54	-26.78	-	-	0	101	V
5	* 2.81	36.06	PK2	32.6	-19.3	49.36	-	-	74	-24.64	0	200	V
	* 2.808	19.68	MAv1	32.6	-19.3	32.98	54	-21.02	-	-	0	200	V
2	* 3.987	39.69	PK2	33.7	-29.2	44.19	-	-	74	-29.81	0	200	H
	* 3.985	28.01	MAv1	33.7	-29.2	32.51	54	-21.49	-	-	0	200	H
3	* 8.091	36.51	PK2	36.5	-25.2	47.81	-	-	74	-26.19	0	100	H
	* 8.092	24.98	MAv1	36.5	-25.3	36.18	54	-17.82	-	-	0	100	H
6	* 8.48	35.8	PK2	36.6	-25.8	46.6	-	-	74	-27.4	0	200	V
	* 8.479	24.58	MAv1	36.6	-25.8	35.38	54	-18.62	-	-	0	200	V

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

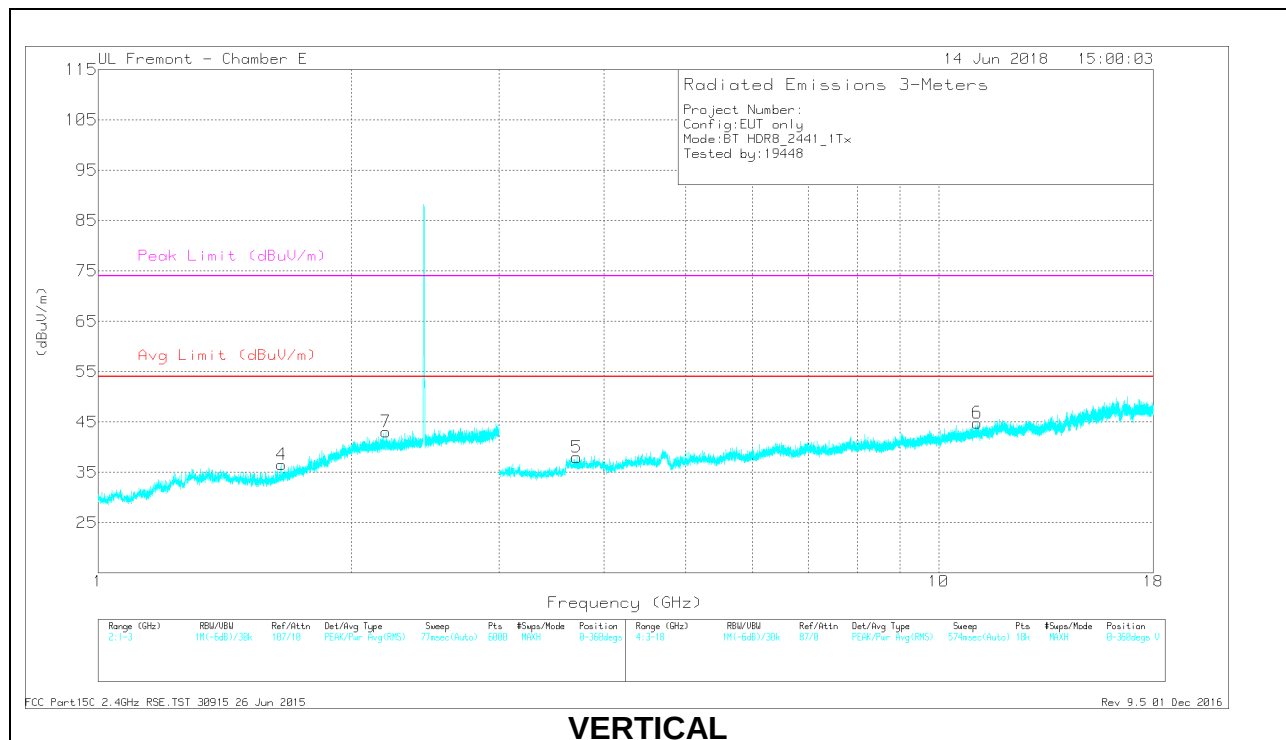
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

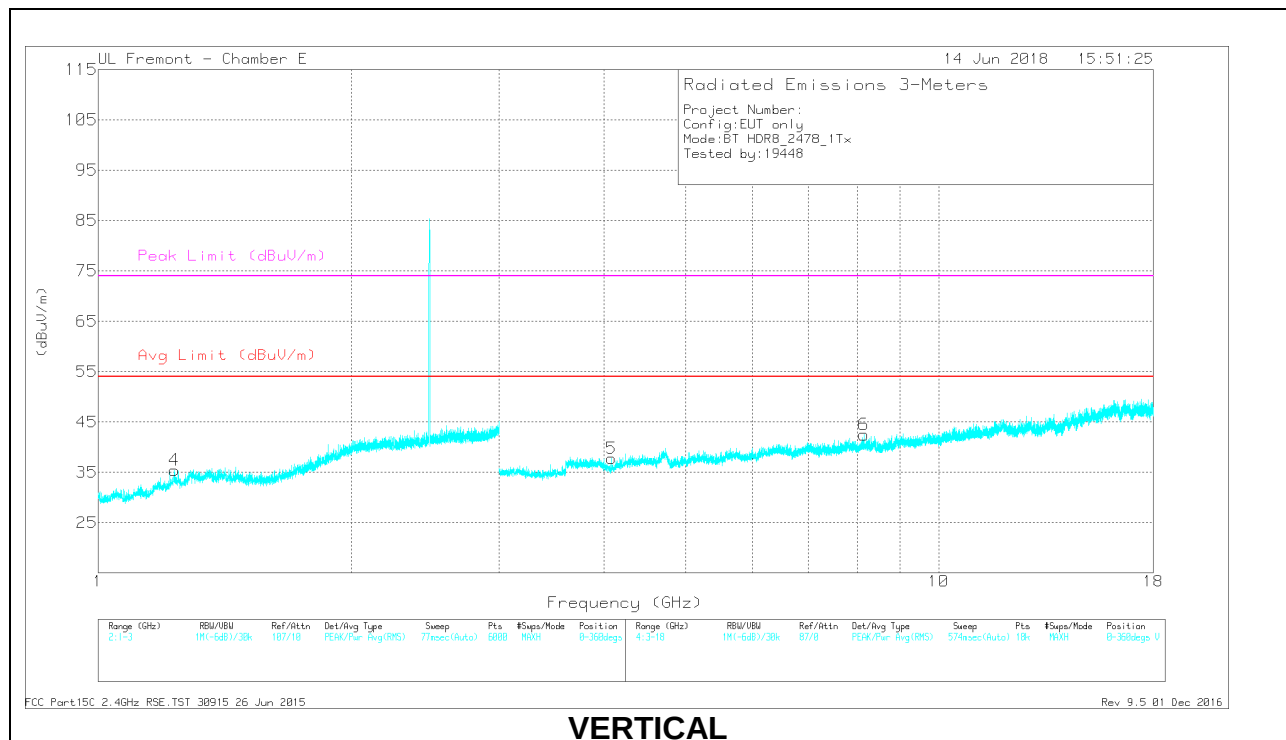
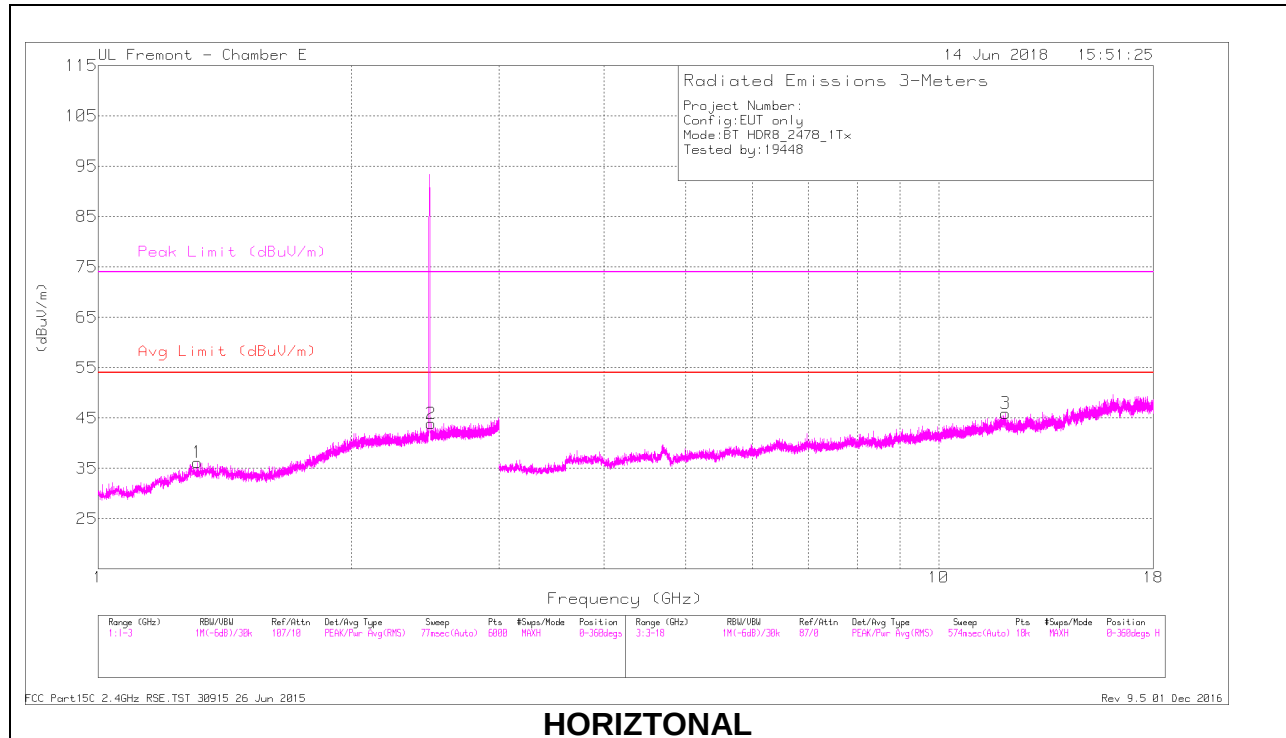
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.061	35.51	PK2	26.4	-22.9	39.01	-	-	74	-34.99	0	100	H
	* 1.06	20.71	MAv1	26.4	-22.9	24.21	54	-29.79	-	-	0	100	H
2	* 2.729	37.16	PK2	32.5	-19.3	50.36	-	-	74	-23.64	0	100	H
	* 2.728	19.84	MAv1	32.5	-19.3	33.04	54	-20.96	-	-	0	100	H
4	* 2.251	36.2	PK2	31.9	-19.3	48.8	-	-	74	-25.2	0	200	V
	* 2.274	18.9	MAv1	31.8	-19.5	31.2	54	-22.8	-	-	0	200	V
3	* 7.285	37.4	PK2	36	-25.9	47.5	-	-	74	-26.5	0	200	H
	* 7.286	25.57	MAv1	36	-25.9	35.67	54	-18.33	-	-	0	200	H
5	* 3.709	39.89	PK2	33.5	-29.9	43.49	-	-	74	-30.51	0	200	V
	* 3.712	28.64	MAv1	33.5	-29.9	32.24	54	-21.76	-	-	0	200	V
6	* 11.117	34.74	PK2	38.5	-22.7	50.54	-	-	74	-23.46	0	101	V
	* 11.115	23.01	MAv1	38.5	-22.7	38.81	54	-15.19	-	-	0	101	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	* 1.315	34.55	PK2	28.9	-21.6	41.85	-	-	74	-32.15	0	201	H
	* 1.312	18.77	MAv1	28.9	-21.5	26.17	54	-27.83	-	-	0	201	H
2	* 2.493	35.68	PK2	32.1	-19.6	48.18	-	-	74	-25.82	0	201	H
	* 2.492	19.19	MAv1	32.1	-19.6	31.69	54	-22.31	-	-	0	201	H
4	* 1.232	35.12	PK2	28.3	-21.9	41.52	-	-	74	-32.48	0	100	V
	* 1.234	20.57	MAv1	28.3	-21.9	26.97	54	-27.03	-	-	0	100	V
3	* 12.009	35.47	PK2	39.7	-23.3	51.87	-	-	74	-22.13	0	100	H
	* 12.011	23.49	MAv1	39.7	-23.4	39.79	54	-14.21	-	-	0	100	H
5	* 4.084	40.11	PK2	33.6	-30.1	43.61	-	-	74	-30.39	0	200	V
	* 4.084	28.47	MAv1	33.6	-30.1	31.97	54	-22.03	-	-	0	200	V
6	* 8.145	36.81	PK2	36.5	-25.2	48.11	-	-	74	-25.89	0	101	V
	* 8.146	25.31	MAv1	36.5	-25.2	36.61	54	-17.39	-	-	0	101	V

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

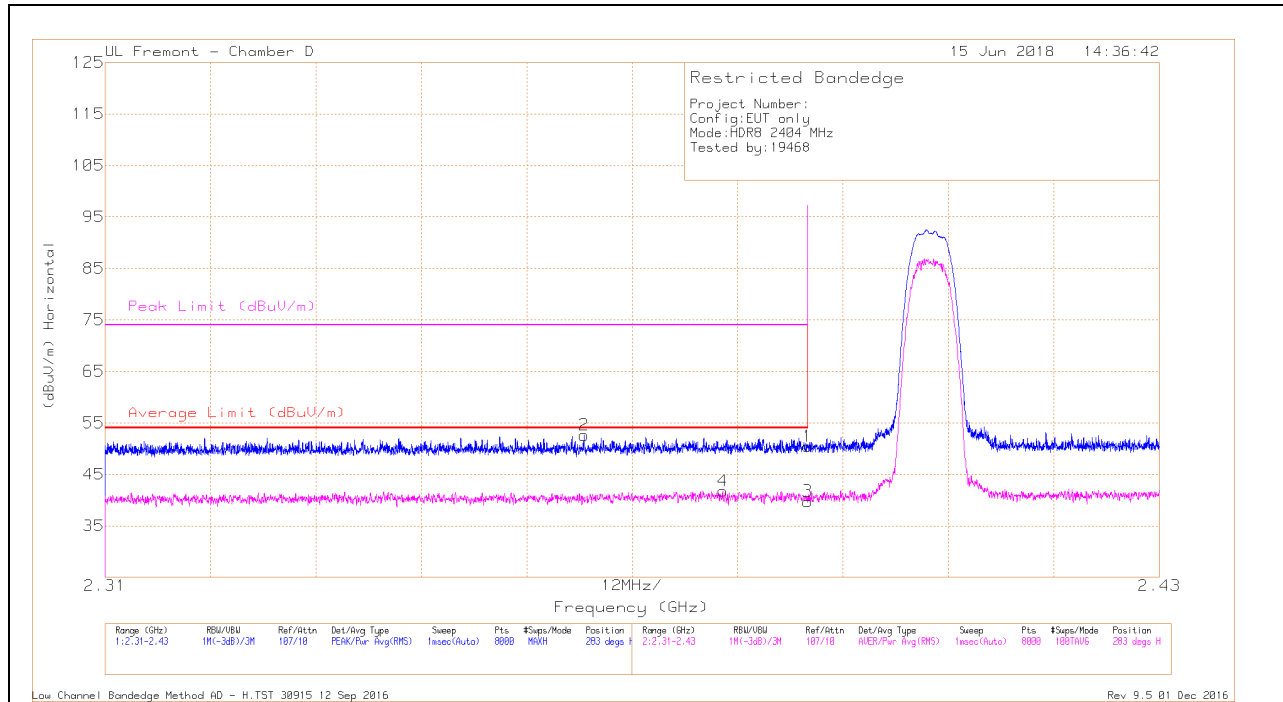
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

Antenna 3

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



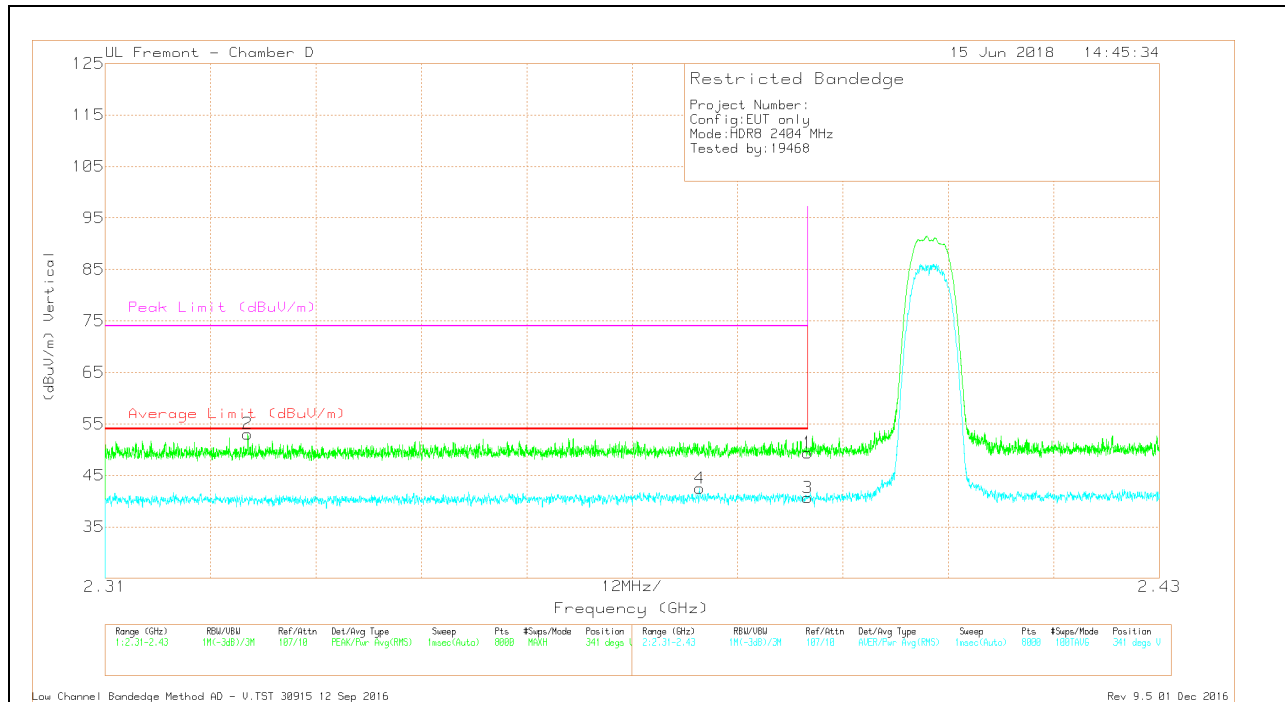
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT136 (dB/m)	Amp/Cb/Fltr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	39.05	Pk	31.9	-20.5	50.45	-	-	74	-23.55	283	100	H
2	* 2.365	41.41	Pk	31.7	-20.5	52.61	-	-	74	-21.39	283	100	H
3	* 2.39	28.33	RMS	31.9	-20.5	39.73	54	-14.27	-	-	283	100	H
4	* 2.38	30.37	RMS	31.8	-20.4	41.77	54	-12.23	-	-	283	100	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/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
2	* 2.326	42.17	Pk	31.5	-20.6	53.07	-	-	74	-20.93	341	393	V
4	* 2.378	31.12	RMS	31.8	-20.4	42.52	54	-11.48	-	-	341	393	V
1	* 2.39	37.97	Pk	31.9	-20.5	49.37	-	-	74	-24.63	341	393	V
3	* 2.39	29.27	RMS	31.9	-20.5	40.67	54	-13.33	-	-	341	393	V

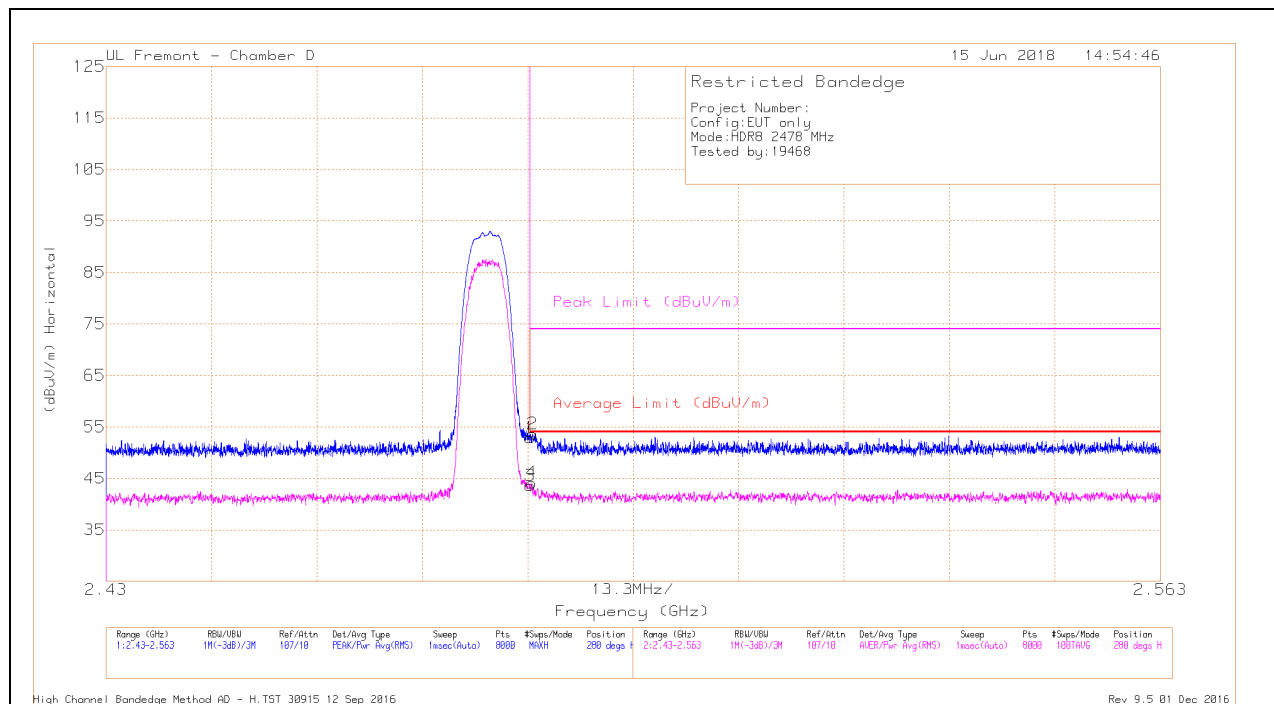
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



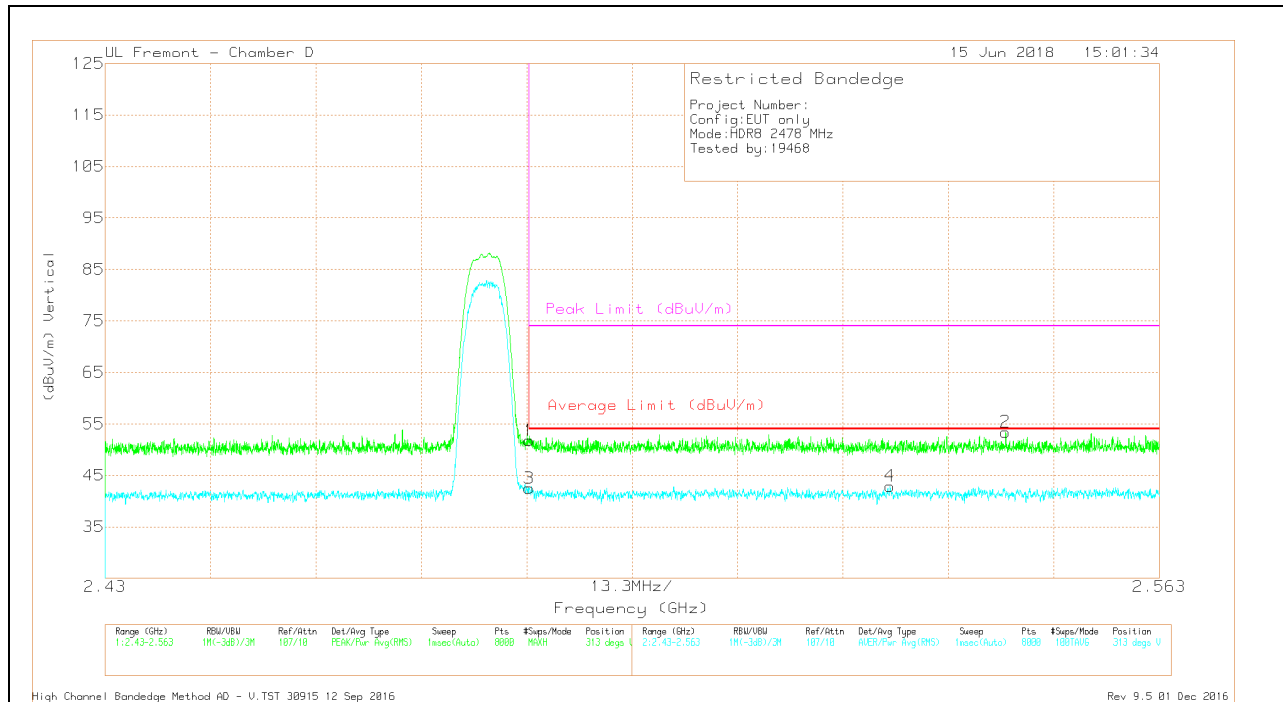
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filt/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.89	Pk	32.4	-20.4	52.89	-	-	74	-21.11	280	98	H
2	* 2.484	41.74	Pk	32.4	-20.5	53.64	-	-	74	-20.36	280	98	H
3	* 2.484	31.62	RMS	32.4	-20.4	43.62	54	-10.38	-	-	280	98	H
4	* 2.484	32.26	RMS	32.4	-20.5	44.16	54	-9.84	-	-	280	98	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/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	* 2.484	39.76	Pk	32.4	-20.4	51.76	-	-	74	-22.24	313	360	V
3	* 2.484	30.51	RMS	32.4	-20.4	42.51	54	-11.49	-	-	313	360	V
4	2.529	30.82	RMS	32.4	-20.3	42.92	54	-11.08	-	-	313	360	V
2	2.544	41.32	Pk	32.4	-20.3	53.42	-	-	74	-20.58	313	360	V

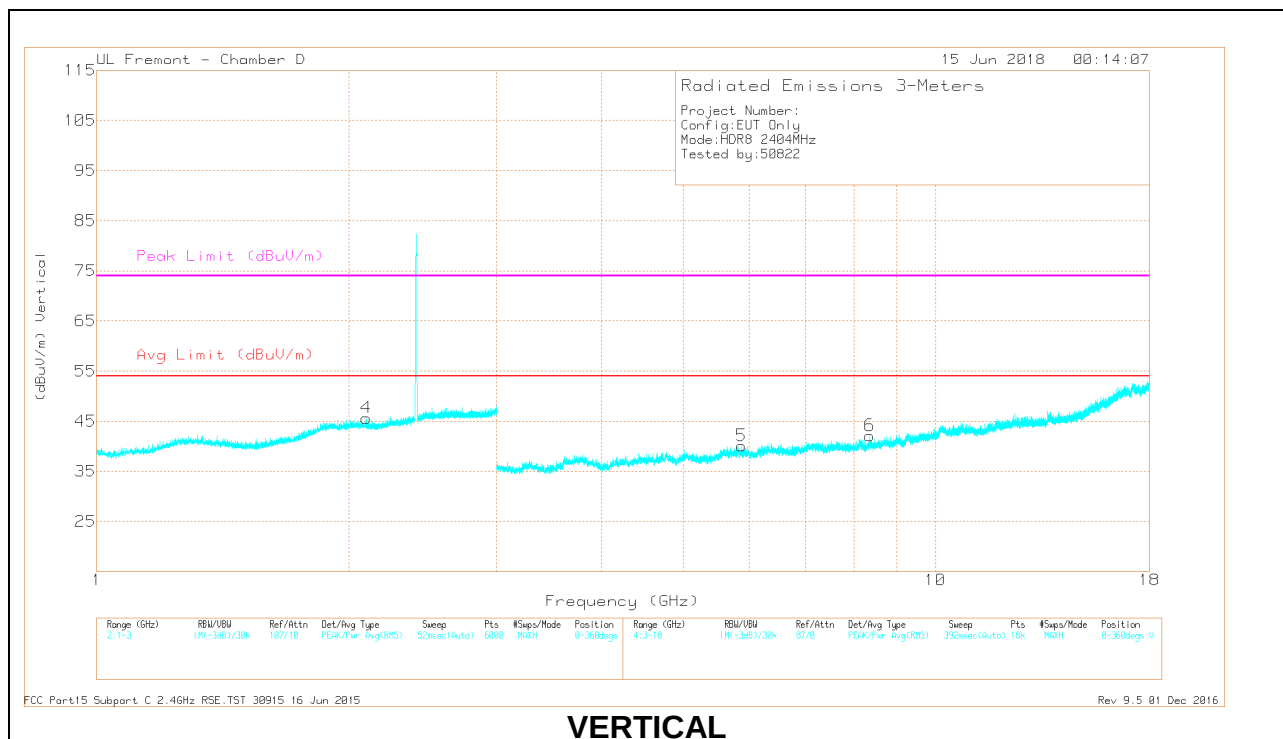
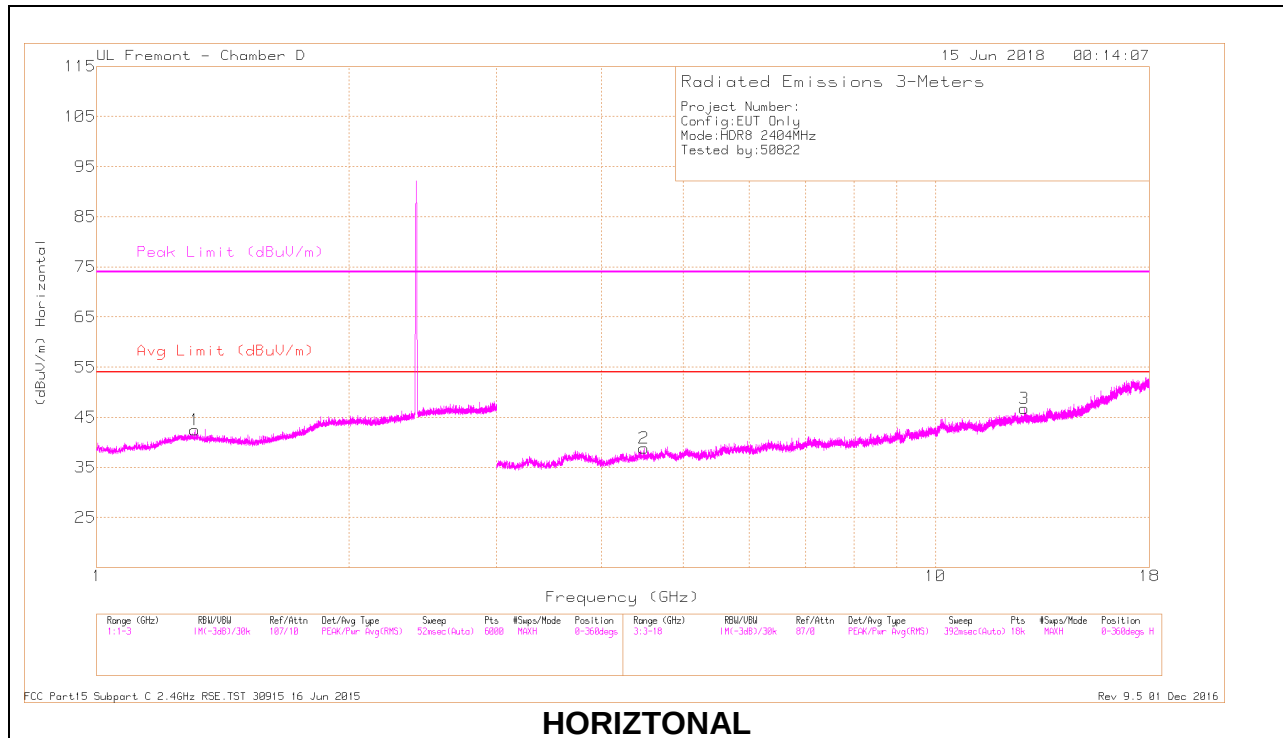
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

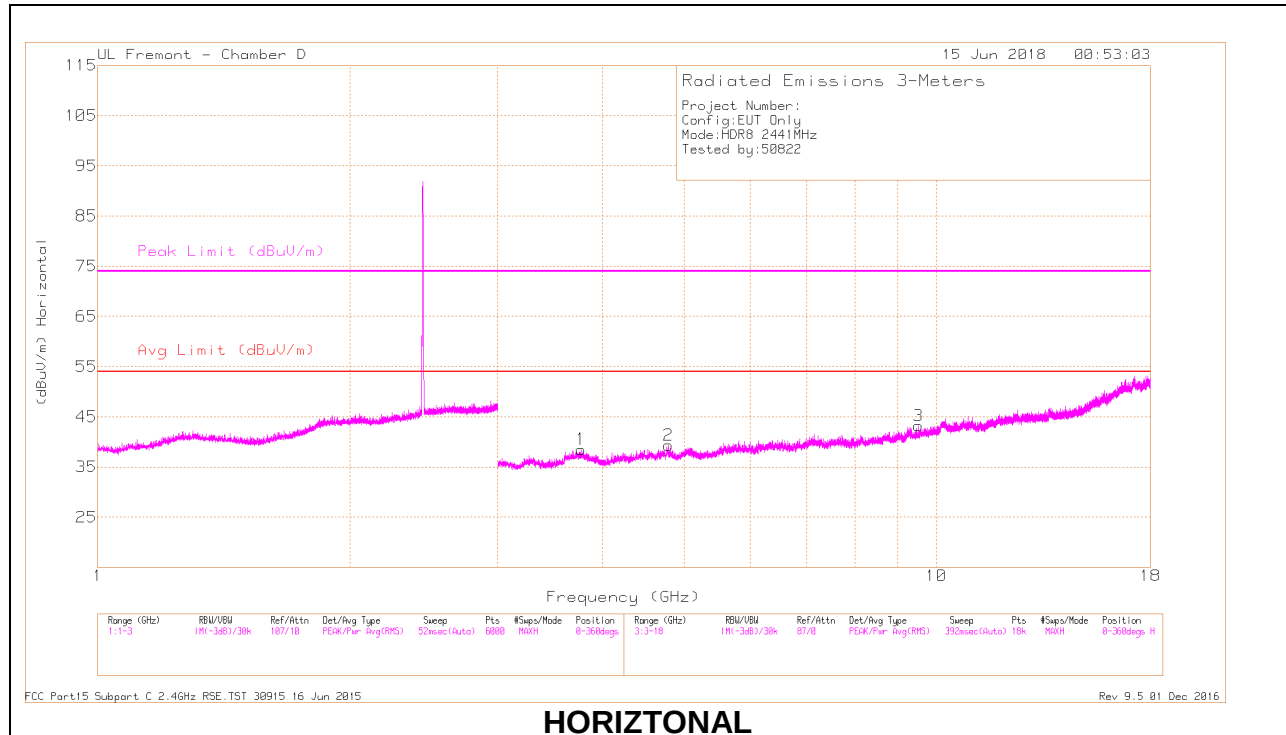
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/Prod (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.311	41.8	PK2	29.2	-22	49	-	-	74	-25	191	111	H
	* 1.31	29.79	MAv1	29.2	-22	36.99	54	-17.01	-	-	191	111	H
6	* 8.349	34.4	PK2	35.8	-22.7	47.5	-	-	74	-26.5	80	212	V
	* 8.351	23.61	MAv1	35.8	-22.6	36.81	54	-17.19	-	-	80	212	V
4	2.096	41.33	PK2	31.2	-20.9	51.63	-	-	-	-	81	212	V
2	4.491	37.32	PK2	34.4	-27.4	44.32	-	-	-	-	127	105	H
5	5.869	37.36	PK2	35.8	-26.5	46.66	-	-	-	-	285	105	V
3	12.764	33.86	PK2	39.2	-20.6	52.46	-	-	-	-	226	105	H

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

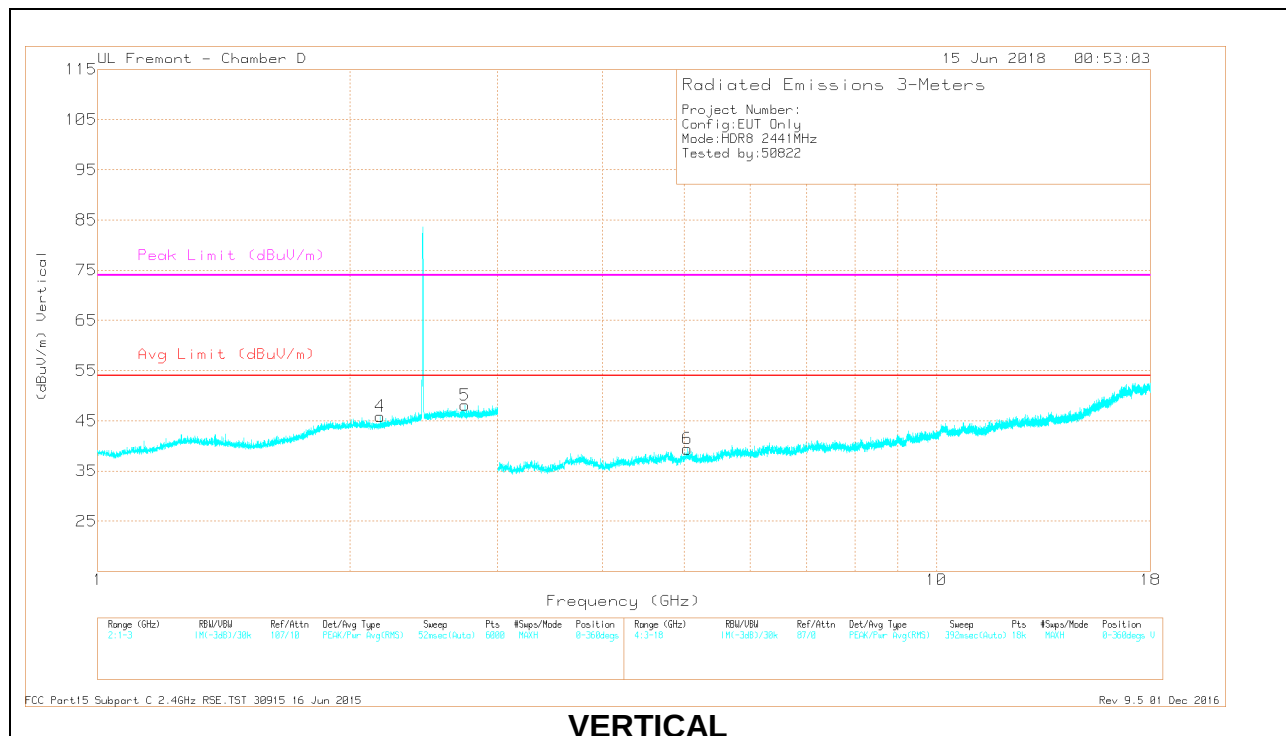
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

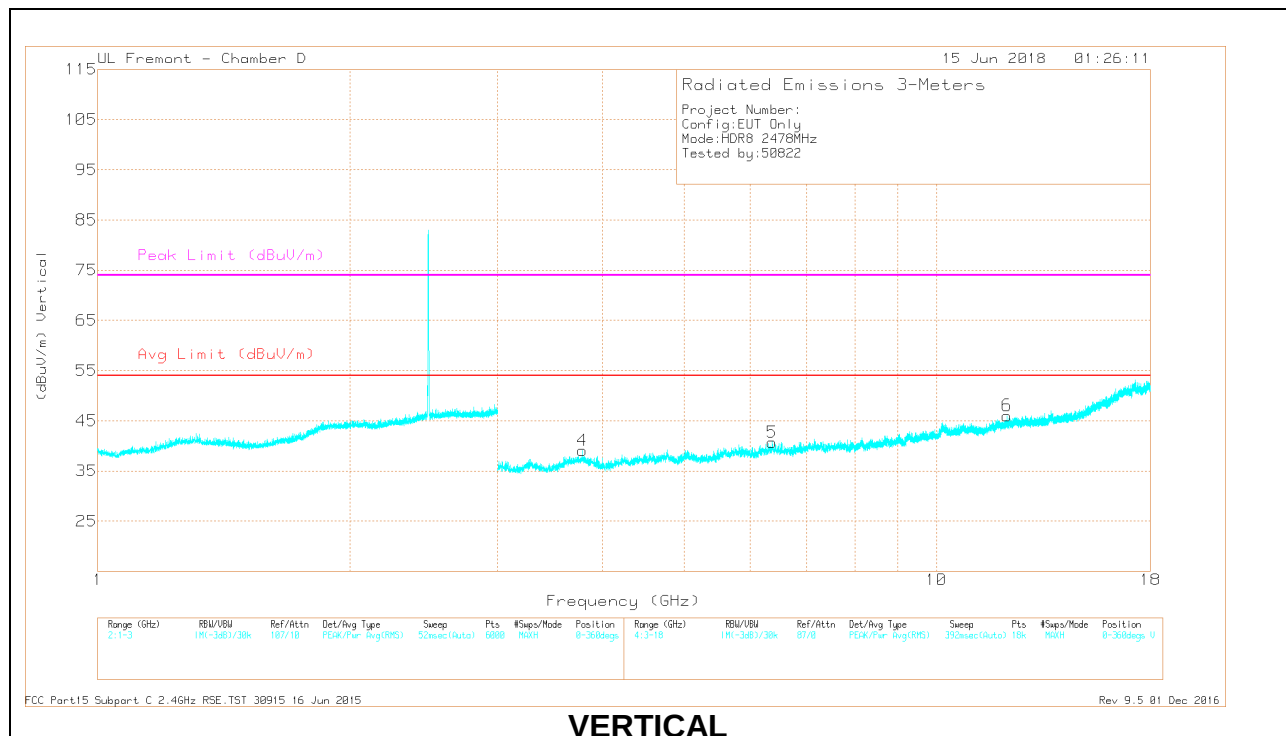
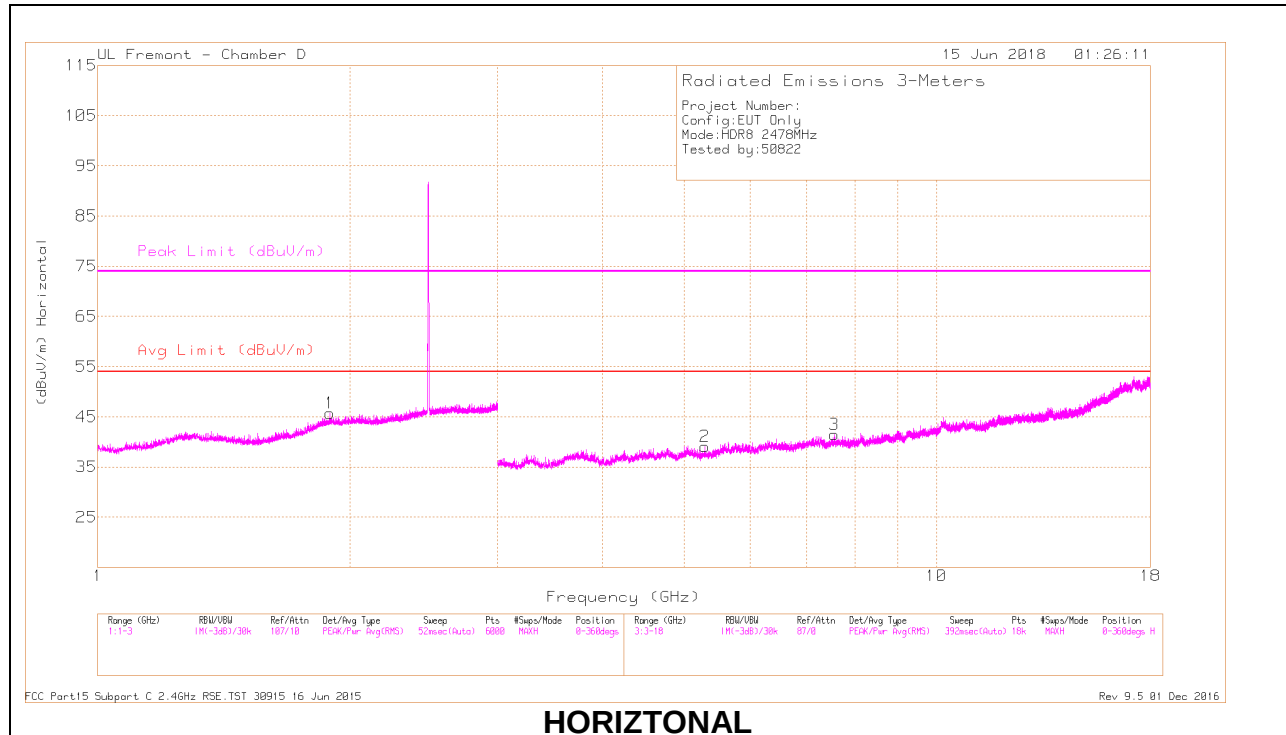
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	* 2.743	41.83	PK2	32.5	-20.1	54.23	-	-	74	-19.77	97	206	V
	* 2.742	30	MAv1	32.5	-20.1	42.4	54	-11.6	-	-	97	206	V
1	* 3.769	37.83	PK2	33.5	-27.9	43.43	-	-	74	-30.57	102	108	H
	* 3.77	26.82	MAv1	33.5	-27.9	32.42	54	-21.58	-	-	102	108	H
2	* 4.788	37.16	PK2	34.5	-26.2	45.46	-	-	74	-28.54	221	106	H
	* 4.789	26.06	MAv1	34.5	-26.2	34.36	54	-19.64	-	-	221	106	H
6	* 5.045	37.48	PK2	34.5	-26.2	45.78	-	-	74	-28.22	224	103	V
	* 5.045	26.13	MAv1	34.5	-26.2	34.43	54	-19.57	-	-	224	103	V
4	2.173	41.78	PK2	31	-20.7	52.08	-	-	-	-	126	102	V
3	9.526	33.63	PK2	36.7	-20.9	49.43	-	-	-	-	354	210	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 T136 (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
3	* 7.561	35.22	PK2	36.3	-24.3	47.22	-	-	74	-26.78	178	209	H
	* 7.56	24.45	MAv1	36.3	-24.3	36.45	54	-17.55	-	-	178	209	H
4	* 3.786	37.95	PK2	33.6	-27.9	43.65	-	-	74	-30.35	269	200	V
	* 3.783	26.98	MAv1	33.6	-27.9	32.68	54	-21.32	-	-	269	200	V
6	* 12.133	33.85	PK2	38.9	-20.3	52.45	-	-	74	-21.55	221	110	V
	* 12.132	22.29	MAv1	38.9	-20.3	40.89	54	-13.11	-	-	221	110	V
1	1.893	42.37	PK2	31.5	-21.1	52.77	-	-	-	-	32	200	H
2	5.3	36.43	PK2	34.8	-26.5	44.73	-	-	-	-	19	106	H
5	6.371	36.42	PK2	35.9	-25.6	46.72	-	-	-	-	191	106	V

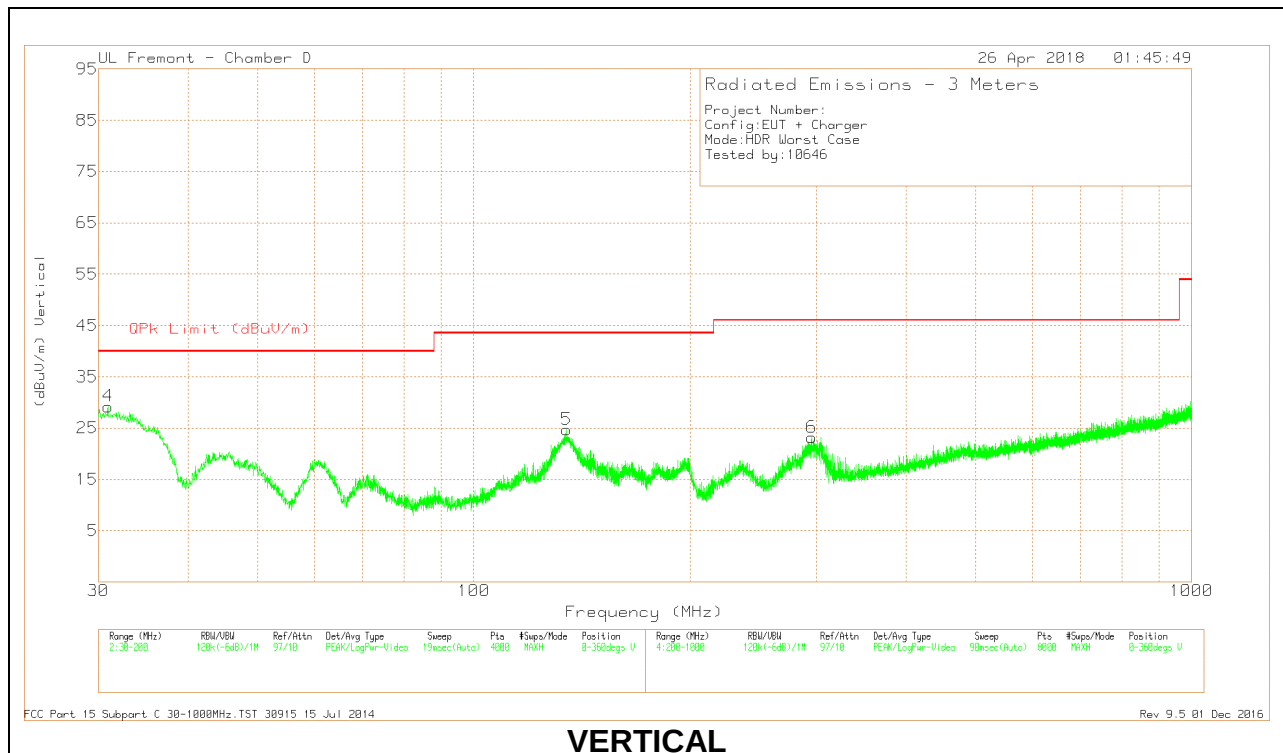
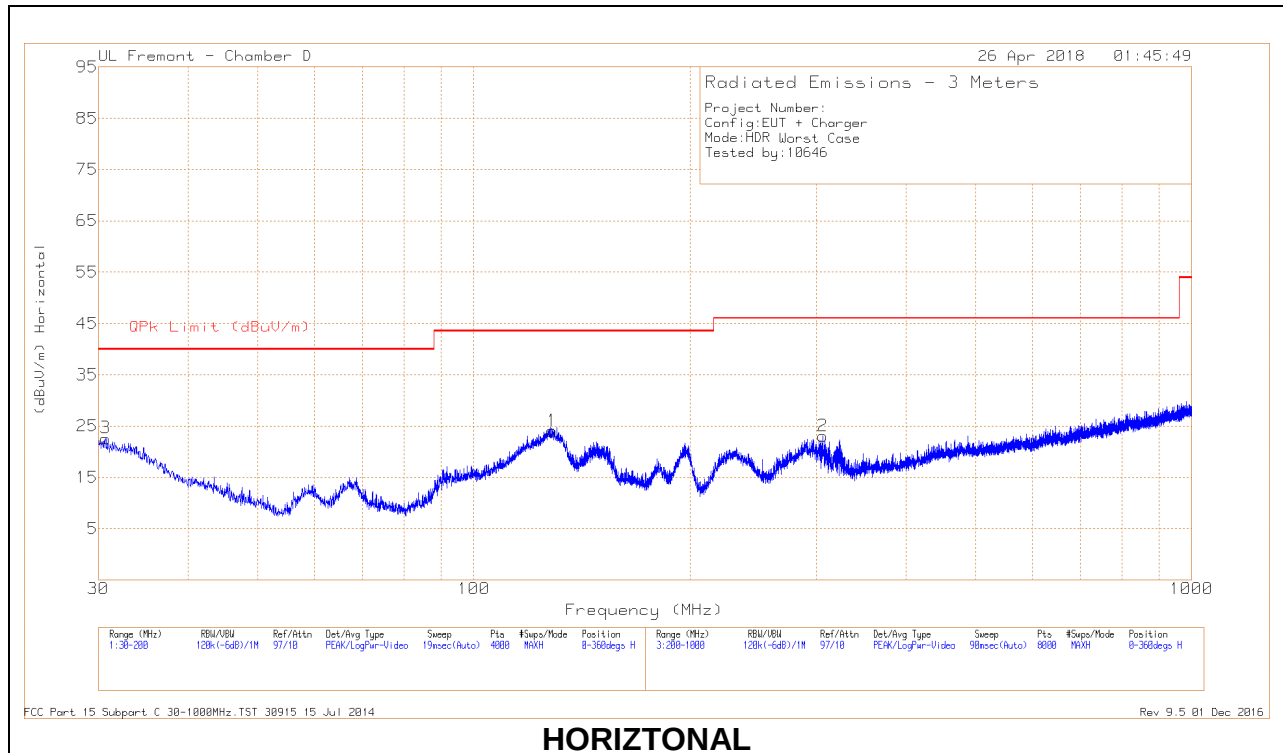
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

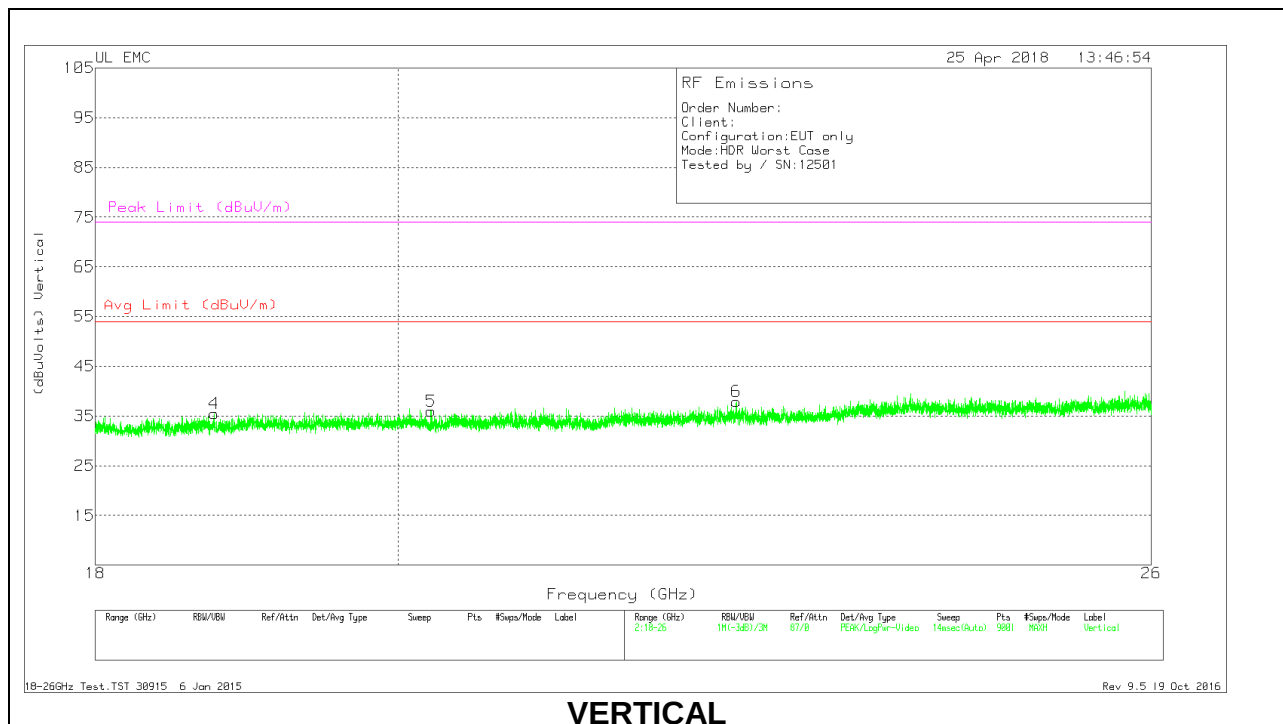
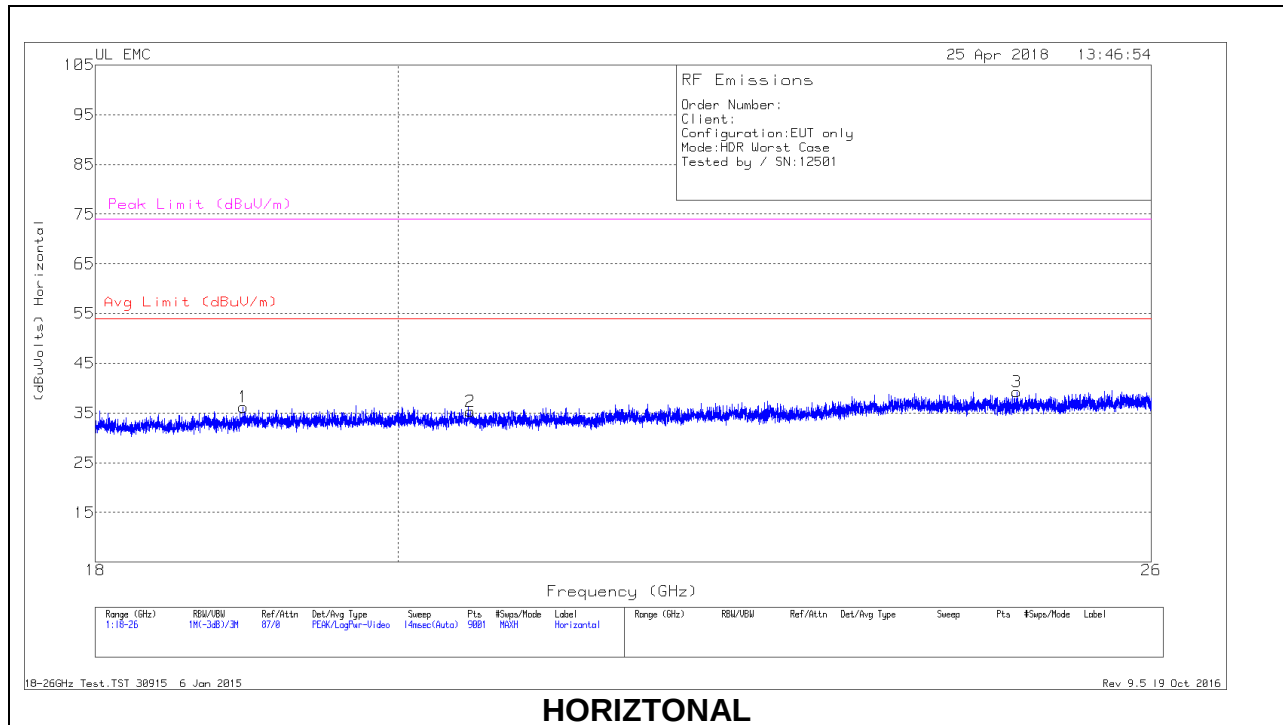
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T477 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 128.498	36.88	Pk	18.3	-31.1	24.08	43.52	-19.44	0-360	199	H
5	* 134.6196	37.96	Pk	17.9	-31.2	24.66	43.52	-18.86	0-360	100	V
6	295.8125	35.93	Pk	17.7	-30.4	23.23	46.02	-22.79	0-360	101	V
3	30.6802	29.02	Pk	25.5	-31.9	22.62	40	-17.38	0-360	98	H
4	30.9352	35.72	Pk	25.4	-31.9	29.22	40	-10.78	0-360	100	V
2	306.4138	35.3	Pk	18.1	-30.3	23.1	46.02	-22.92	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	18.951	38.18	Pk	32.4	-24.9	-9.5	36.18	54	-17.82	74	-37.82
2	20.511	36.9	Pk	33.1	-25.2	-9.5	35.3	54	-18.7	74	-38.7
3	24.808	39.26	Pk	34.2	-24.7	-9.5	39.26	54	-14.74	74	-34.74
4	18.76	37.37	Pk	32.3	-24.7	-9.5	35.47	54	-18.53	74	-38.53
5	20.231	38.09	Pk	32.8	-25.4	-9.5	35.99	54	-18.01	74	-38.01
6	22.5	38.71	Pk	33.5	-24.8	-9.5	37.91	54	-16.09	74	-36.09

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.

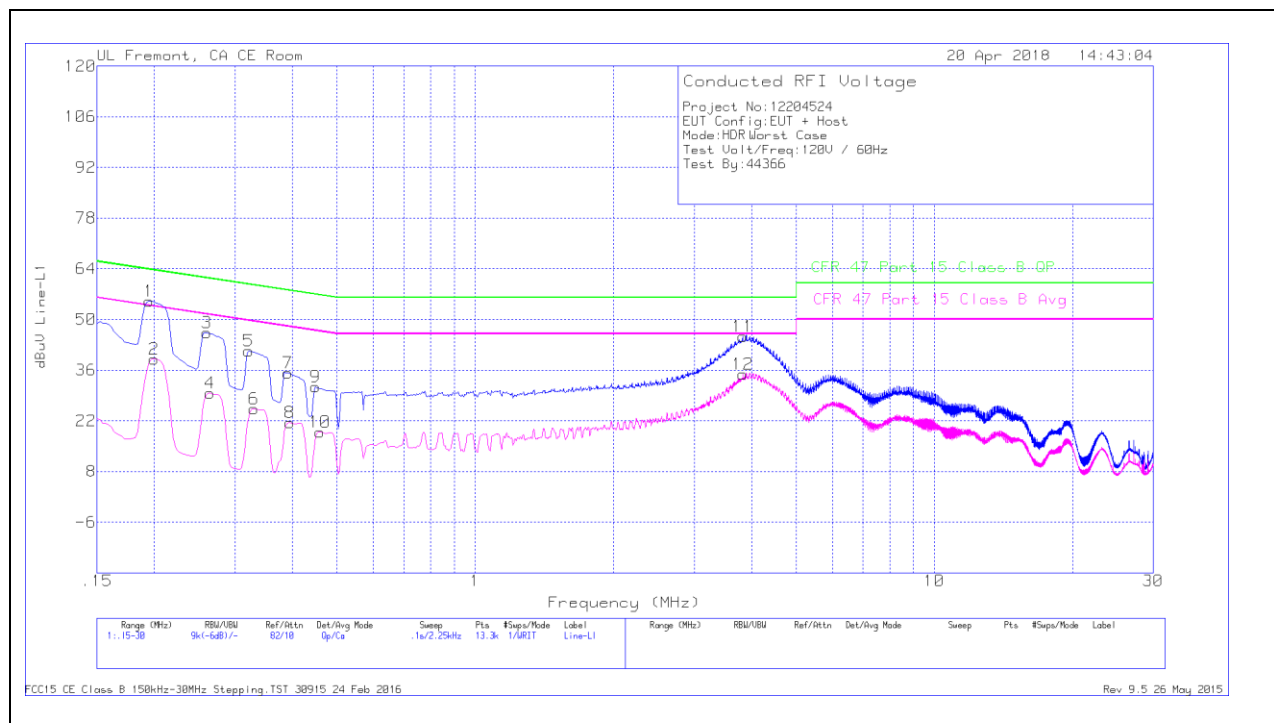
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

10.1.1. AC Power Line Host

LINE 1 RESULTS

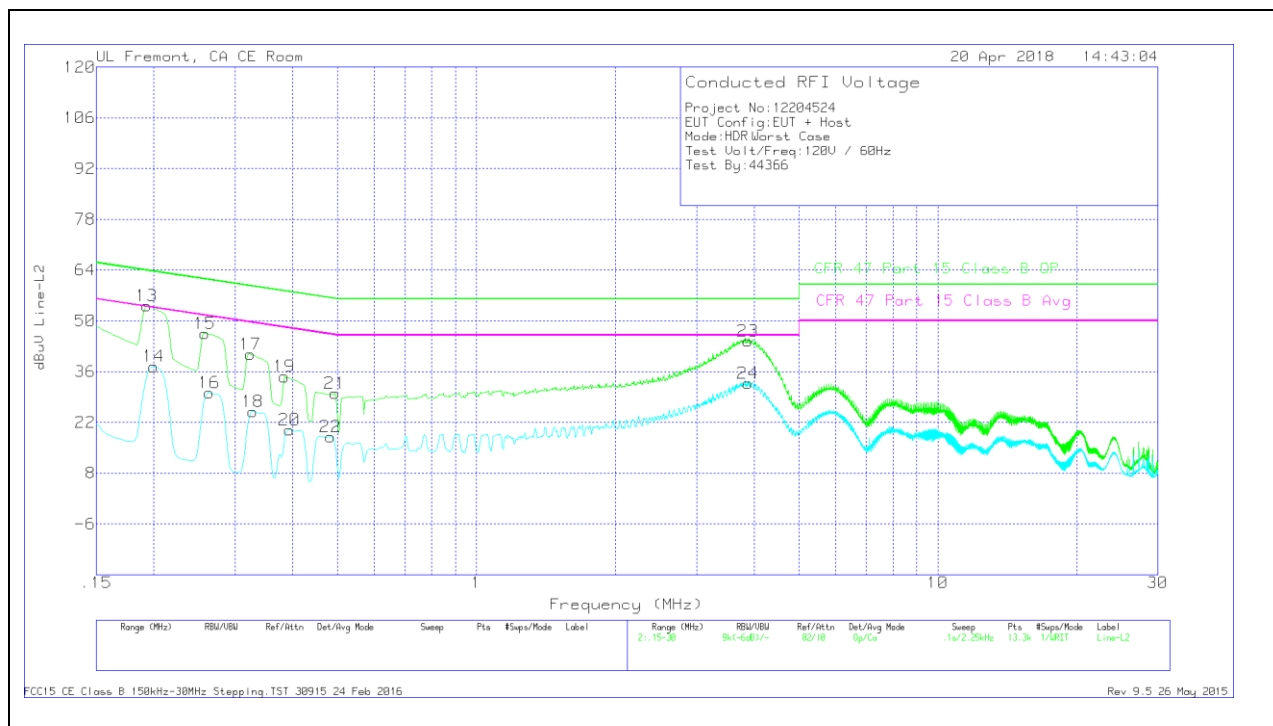


Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L1	LC Cables C1&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
1	.195	44.91	Qp	0	0	10.1	55.01	63.82	-8.81	-	-
2	.1995	29.02	Ca	0	0	10.1	39.12	-	-	53.63	-14.51
3	.26025	36.27	Qp	0	0	10.1	46.37	61.42	-15.05	-	-
4	.26475	19.51	Ca	0	0	10.1	29.61	-	-	51.28	-21.67
5	.321	31.21	Qp	0	0	10.1	41.31	59.68	-18.37	-	-
6	.33	15.26	Ca	0	0	10.1	25.36	-	-	49.45	-24.09
7	.39075	25.2	Qp	0	0	10.1	35.3	58.05	-22.75	-	-
8	.39412	11.33	Ca	0	0	10.1	21.43	-	-	47.98	-26.55
9	.44925	21.31	Qp	0	0	10.1	31.41	56.89	-25.48	-	-
10	.45937	8.81	Ca	0	0	10.1	18.91	-	-	46.7	-27.79
11	3.8265	35.07	Qp	0	.1	10.1	45.27	56	-10.73	-	-
12	3.82875	24.65	Ca	0	.1	10.1	34.85	-	-	46	-11.15

Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 2 RESULTS



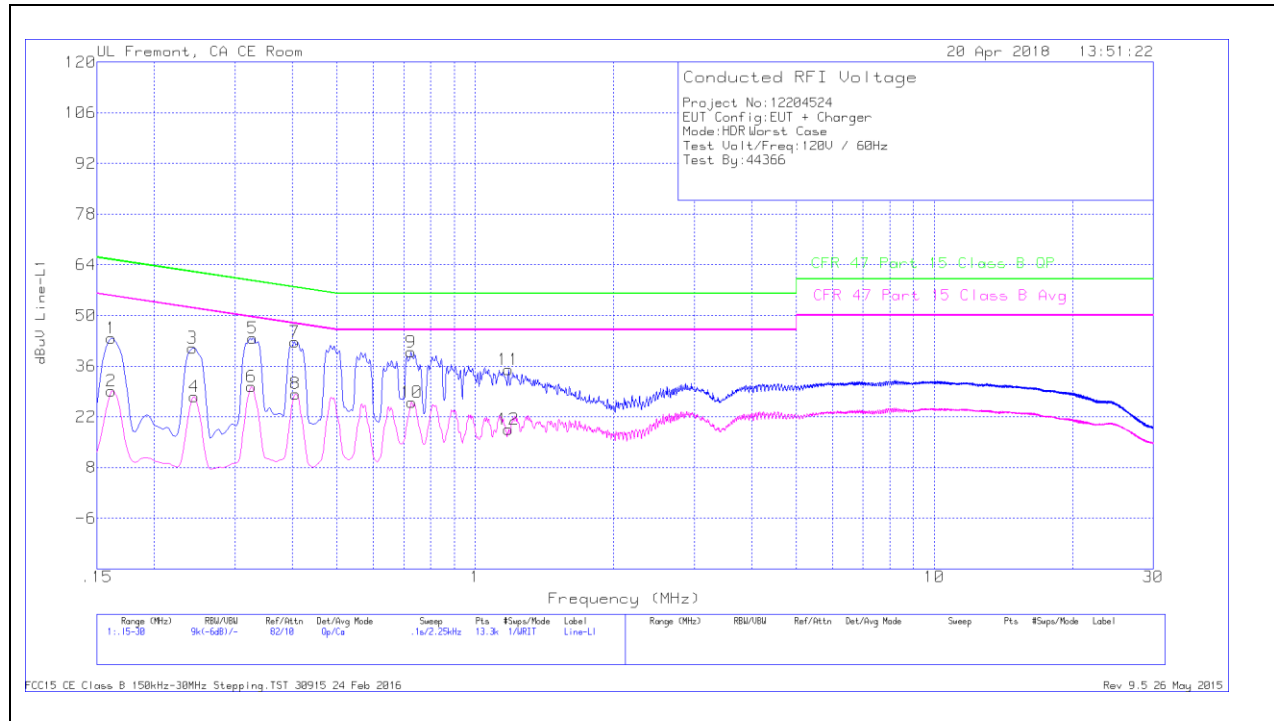
Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L2	LC Cables C2&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
13	.19275	44	Qp	0	0	10.1	54.1	63.92	-9.82	-	-
14	.1995	27.3	Ca	0	0	10.1	37.4	-	-	53.63	-16.23
15	.258	36.45	Qp	0	0	10.1	46.55	61.5	-14.95	-	-
16	.26363	20.05	Ca	0	0	10.1	30.15	-	-	51.32	-21.17
17	.32325	30.67	Qp	0	0	10.1	40.77	59.62	-18.85	-	-
18	.32775	14.93	Ca	0	0	10.1	25.03	-	-	49.51	-24.48
19	.384	24.52	Qp	0	0	10.1	34.62	58.19	-23.57	-	-
20	.393	9.88	Ca	0	0	10.1	19.98	-	-	48	-28.02
21	.49425	19.83	Qp	0	0	10.1	29.93	56.1	-26.17	-	-
22	.483	7.98	Ca	0	0	10.1	18.08	-	-	46.29	-28.21
23	3.876	34.27	Qp	0	.1	10.1	44.47	56	-11.53	-	-
24	3.876	22.63	Ca	0	.1	10.1	32.83	-	-	46	-13.17

Qp - Quasi-Peak detector

Ca - CISPR average detection

10.1.2. AC Power Line Norm

LINE 1 RESULTS

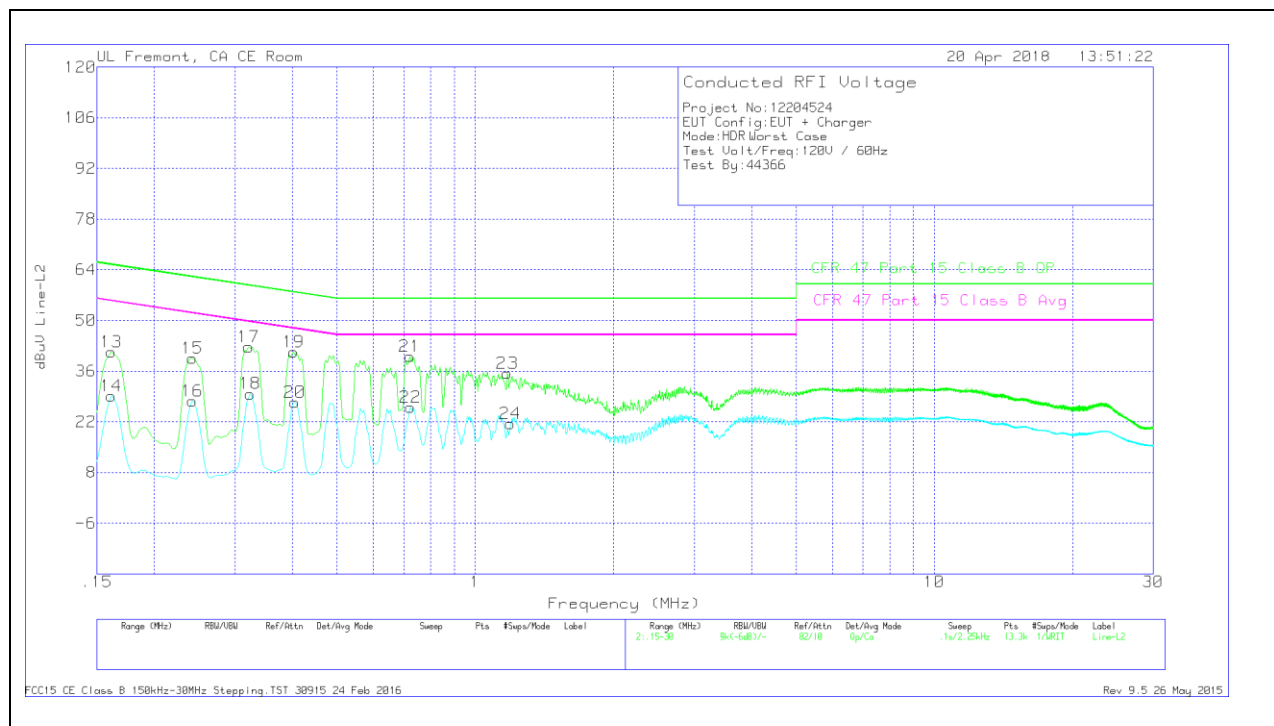


Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L1	LC Cables C1&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
1	.16125	33.59	Qp	.1	0	10.1	43.79	65.4	-21.61	-	-
2	.16125	18.96	Ca	.1	0	10.1	29.16	-	-	55.4	-26.24
3	.24225	30.94	Qp	0	0	10.1	41.04	62.02	-20.98	-	-
4	.2445	17.45	Ca	0	0	10.1	27.55	-	-	51.94	-24.39
5	.32775	33.67	Qp	0	0	10.1	43.77	59.51	-15.74	-	-
6	.3255	20.29	Ca	0	0	10.1	30.39	-	-	49.57	-19.18
7	.40425	32.58	Qp	0	0	10.1	42.68	57.77	-15.09	-	-
8	.4065	18.26	Ca	0	0	10.1	28.36	-	-	47.72	-19.36
9	.726	29.85	Qp	0	0	10.1	39.95	56	-16.05	-	-
10	.72825	15.97	Ca	0	0	10.1	26.07	-	-	46	-19.93
11	1.18275	24.8	Qp	0	.1	10.1	35	56	-21	-	-
12	1.18275	8.29	Ca	0	.1	10.1	18.49	-	-	46	-27.51

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	31.16	Qp	0	0	10.1	41.26	65.4	-24.14	-	-
14	.16125	18.97	Ca	0	0	10.1	29.07	-	-	55.4	-26.33
15	.24225	29.52	Qp	0	0	10.1	39.62	62.02	-22.4	-	-
16	.24225	17.58	Ca	0	0	10.1	27.68	-	-	52.02	-24.34
17	.321	32.62	Qp	0	0	10.1	42.72	59.68	-16.96	-	-
18	.32325	19.65	Ca	0	0	10.1	29.75	-	-	49.62	-19.87
19	.402	31.14	Qp	0	0	10.1	41.24	57.81	-16.57	-	-
20	.40425	17.34	Ca	0	0	10.1	27.44	-	-	47.77	-20.33
21	.7215	30.02	Qp	0	0	10.1	40.12	56	-15.88	-	-
22	.72375	15.89	Ca	0	0	10.1	25.99	-	-	46	-20.01
23	1.176	25.26	Qp	0	.1	10.1	35.46	56	-20.54	-	-
24	1.194	11.22	Ca	0	.1	10.1	21.42	-	-	46	-24.58

Qp - Quasi-Peak detector

Ca - CISPR average detection

END OF REPORT

11. SETUP PHOTOS

Please refer to 12204524-EP1V1 for setup photos