

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.

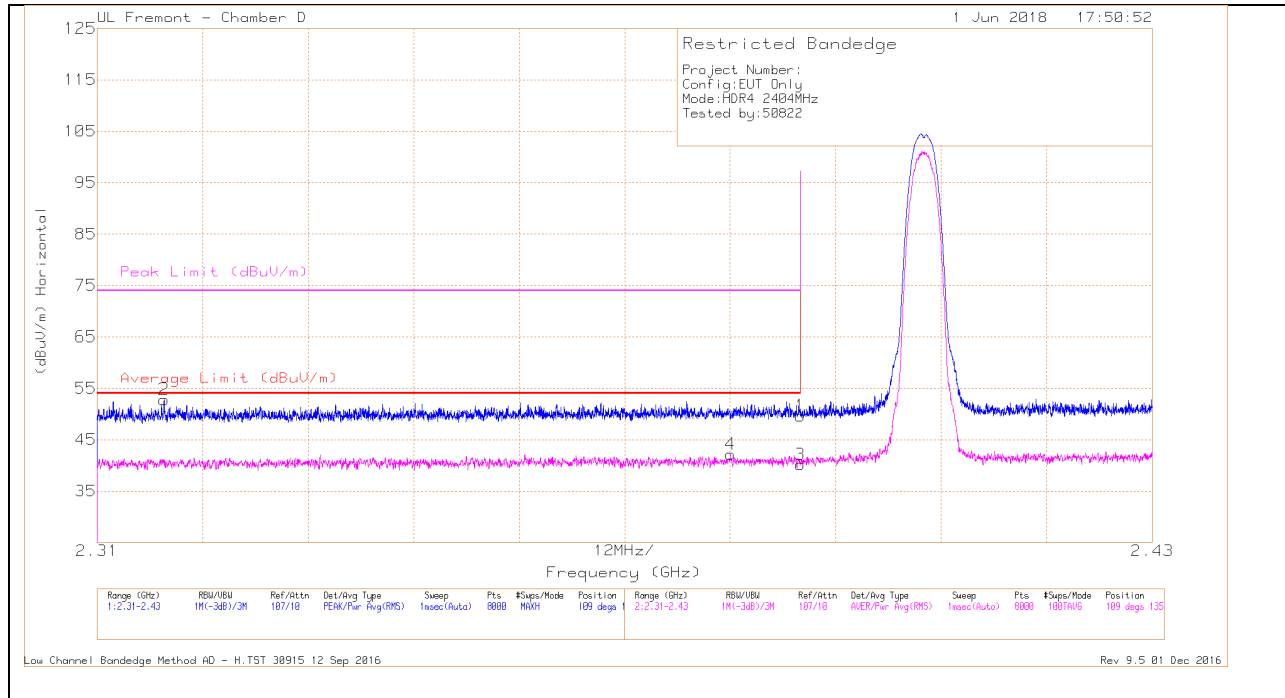
9.2. TRANSMITTER ABOVE 1 GHz

9.2.1. HIGH POWER HDR4

Antenna 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



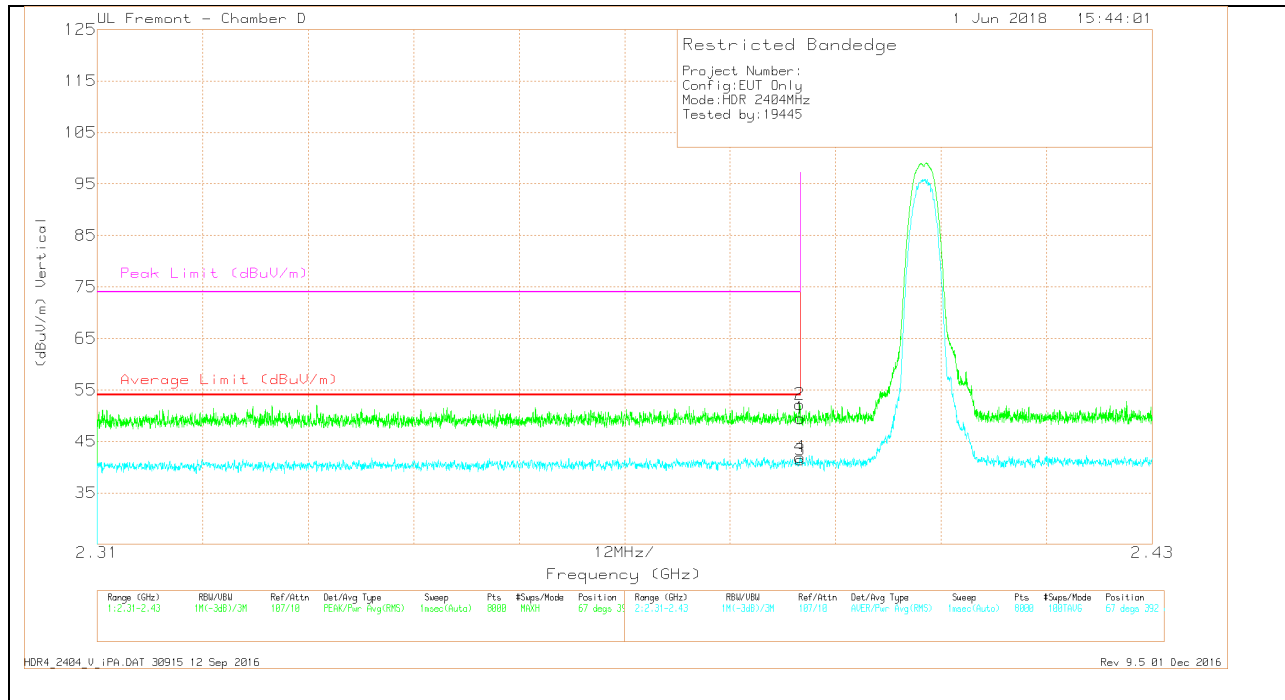
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	38.26	Pk	31.9	-20.5	49.66	-	-	74	-24.34	109	135	H
2	* 2.318	41.89	Pk	31.5	-20.6	52.79	-	-	74	-21.21	109	135	H
3	* 2.39	28.76	RMS	31.9	-20.5	40.16	54	-13.84	-	-	109	135	H
4	* 2.382	30.86	RMS	31.8	-20.5	42.16	54	-11.84	-	-	109	135	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/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	* 2.39	38.12	Pk	31.9	-20.5	49.52	-	-	74	-24.48	67	392	V
2	* 2.39	40.8	Pk	31.9	-20.5	52.2	-	-	74	-21.8	67	392	V
3	* 2.39	29.98	RMS	31.9	-20.5	41.38	54	-12.62	-	-	67	392	V
4	* 2.39	30.55	RMS	31.9	-20.5	41.95	54	-12.05	-	-	67	392	V

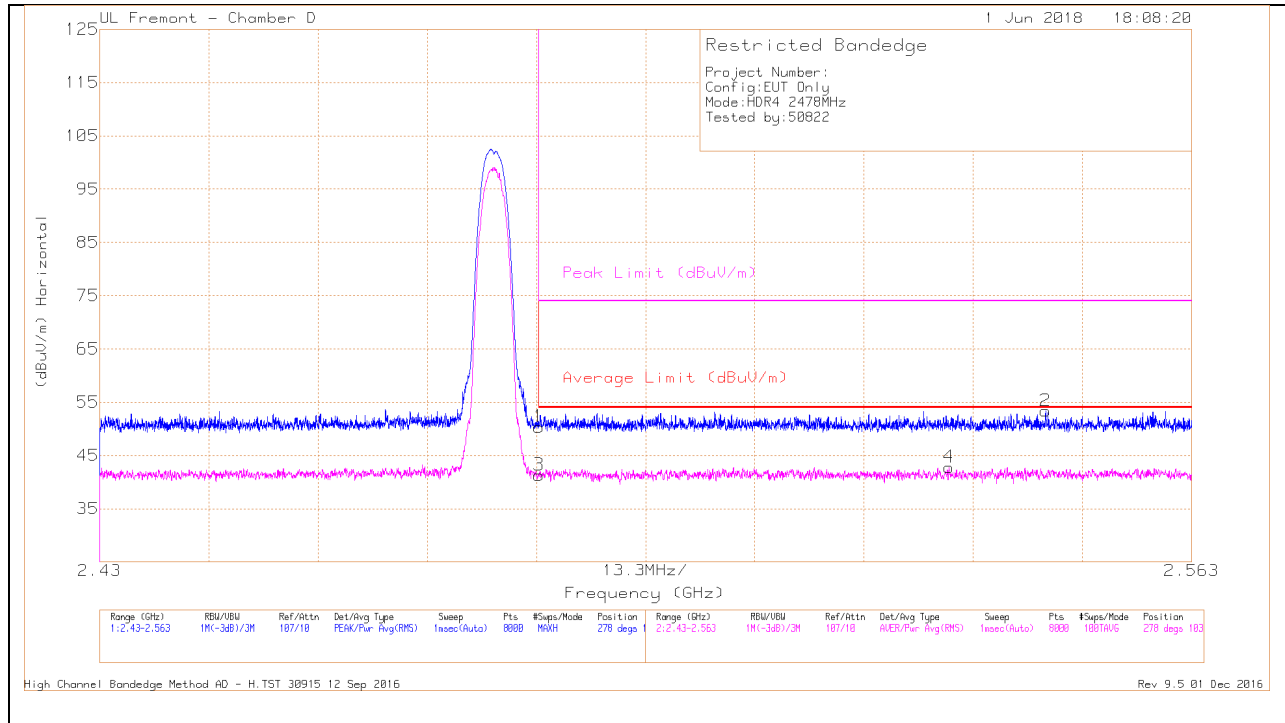
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Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



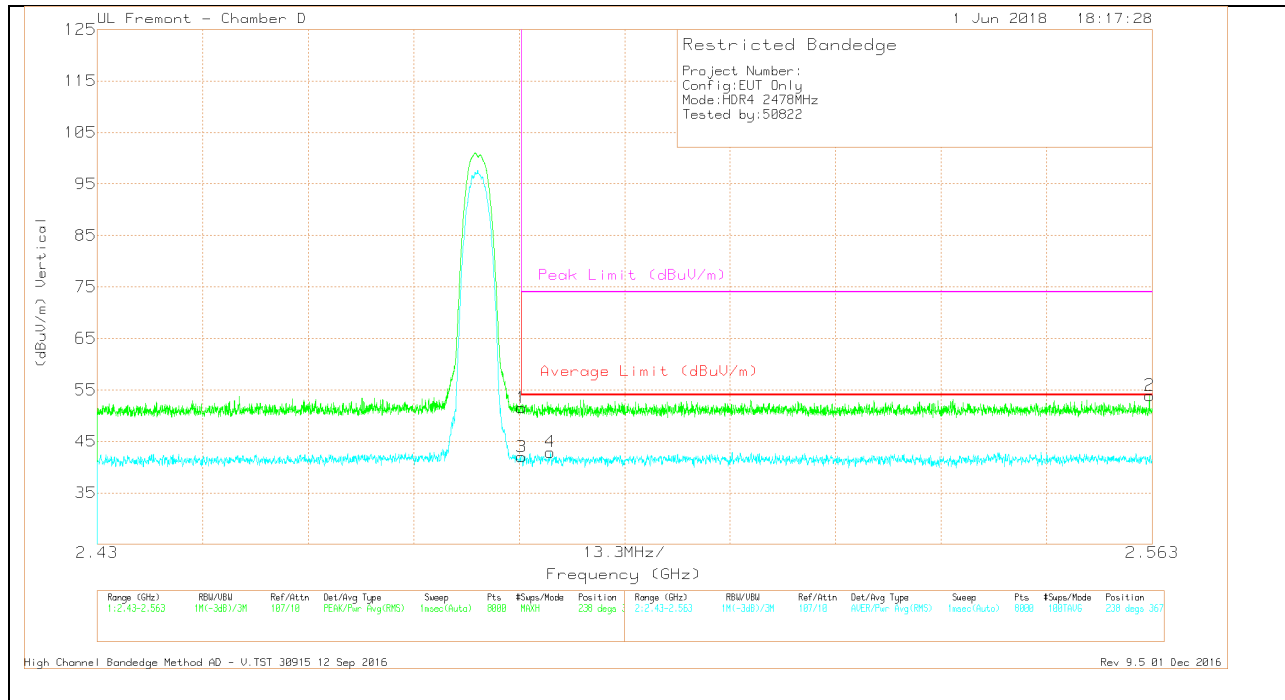
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	38.37	Pk	32.4	-20.4	50.37	-	-	74	-23.63	278	103	H
3	* 2.484	29.32	RMS	32.4	-20.4	41.32	54	-12.68	-	-	278	103	H
4	2.533	30.8	RMS	32.4	-20.4	42.8	54	-11.2	-	-	278	103	H
2	2.545	41.26	Pk	32.4	-20.3	53.36	-	-	74	-20.64	278	103	H

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Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (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	39.52	Pk	32.4	-20.4	51.52	-	-	74	-22.48	238	367	V
3	* 2.484	30.02	RMS	32.4	-20.4	42.02	54	-11.98	-	-	238	367	V
4	* 2.487	31.03	RMS	32.4	-20.5	42.93	54	-11.07	-	-	238	367	V
2	2.563	41.82	Pk	32.5	-20.4	53.92	-	-	74	-20.08	238	367	V

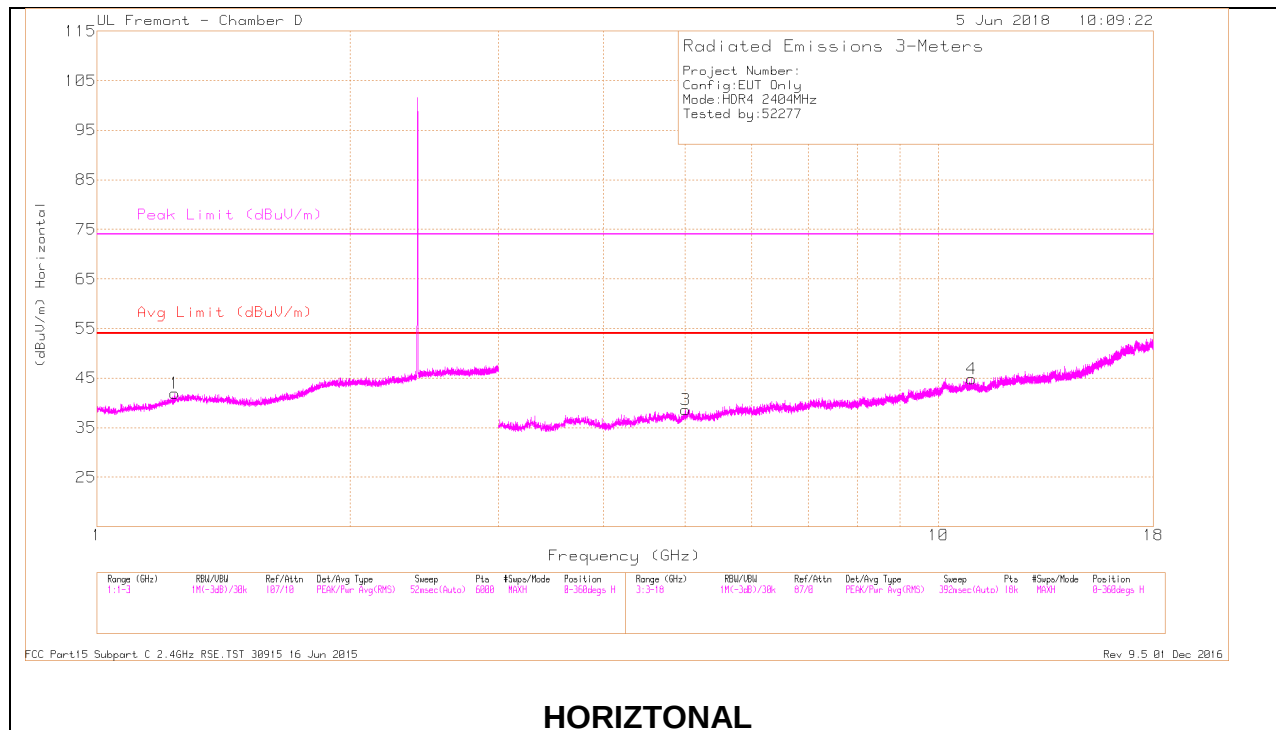
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

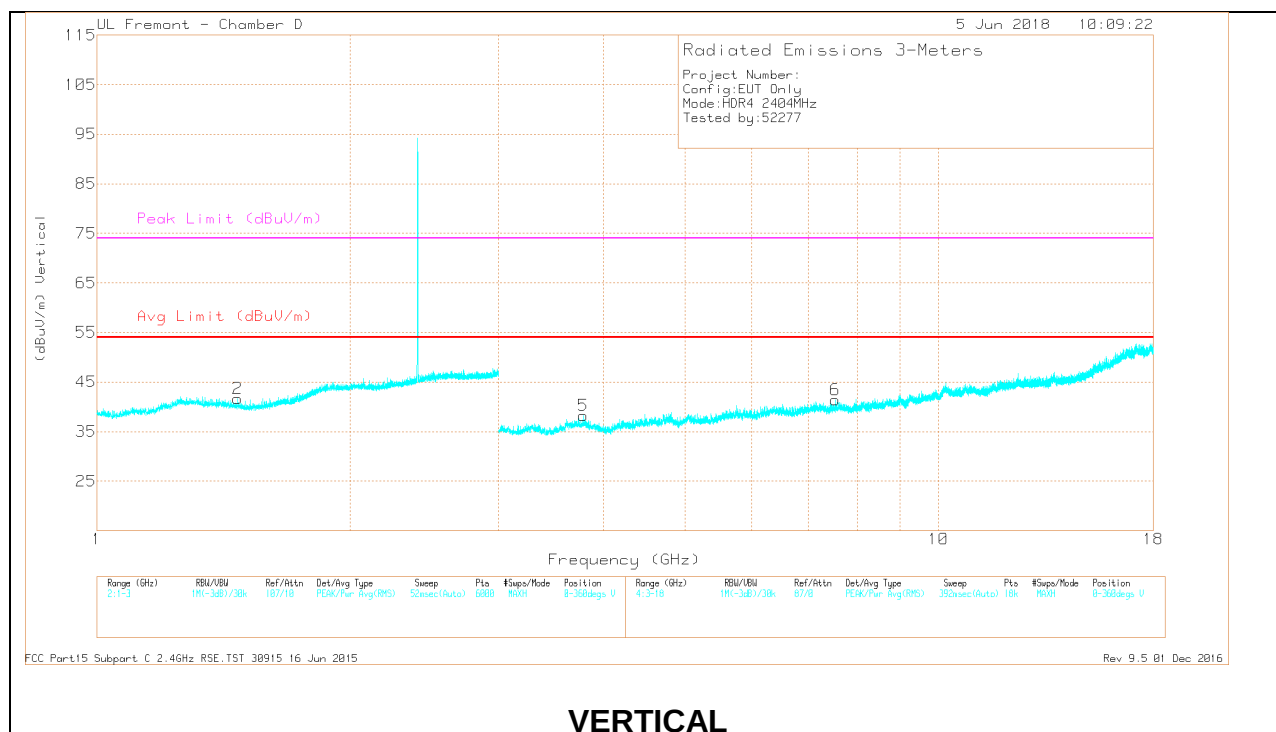
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZTONAL



VERTICAL

RADIATED EMISSIONS

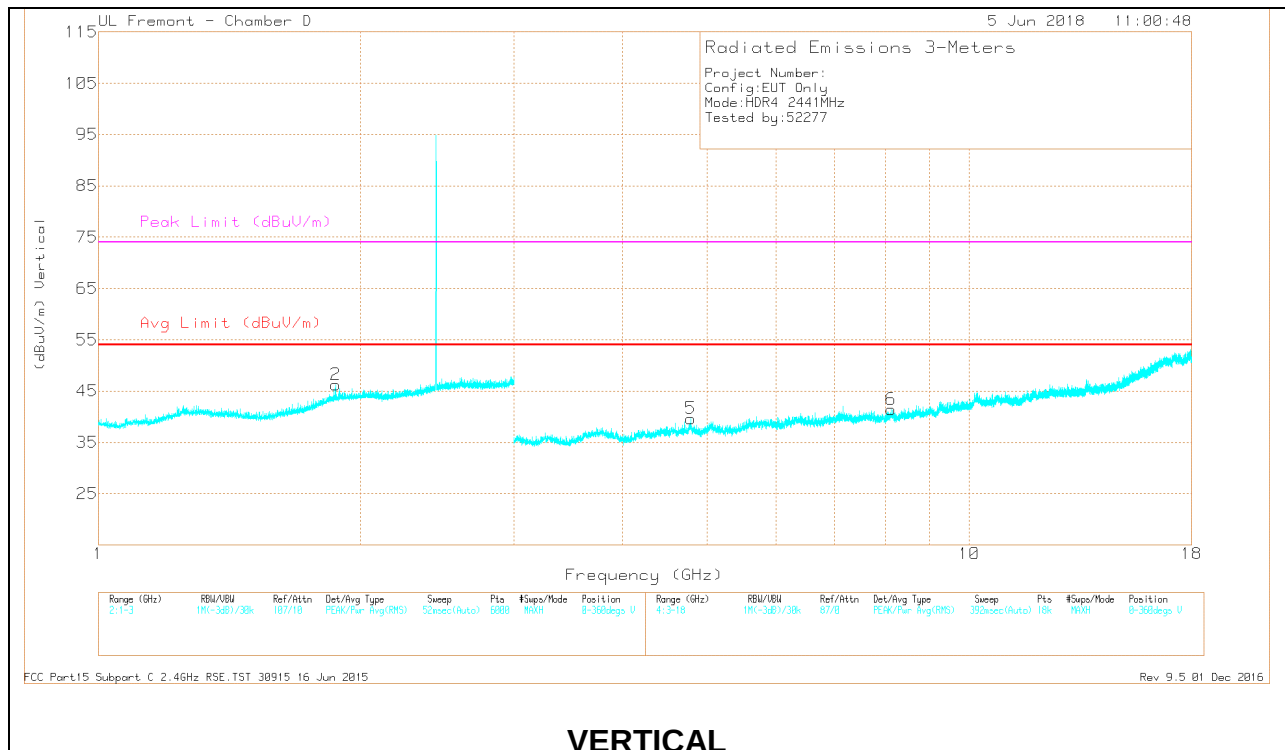
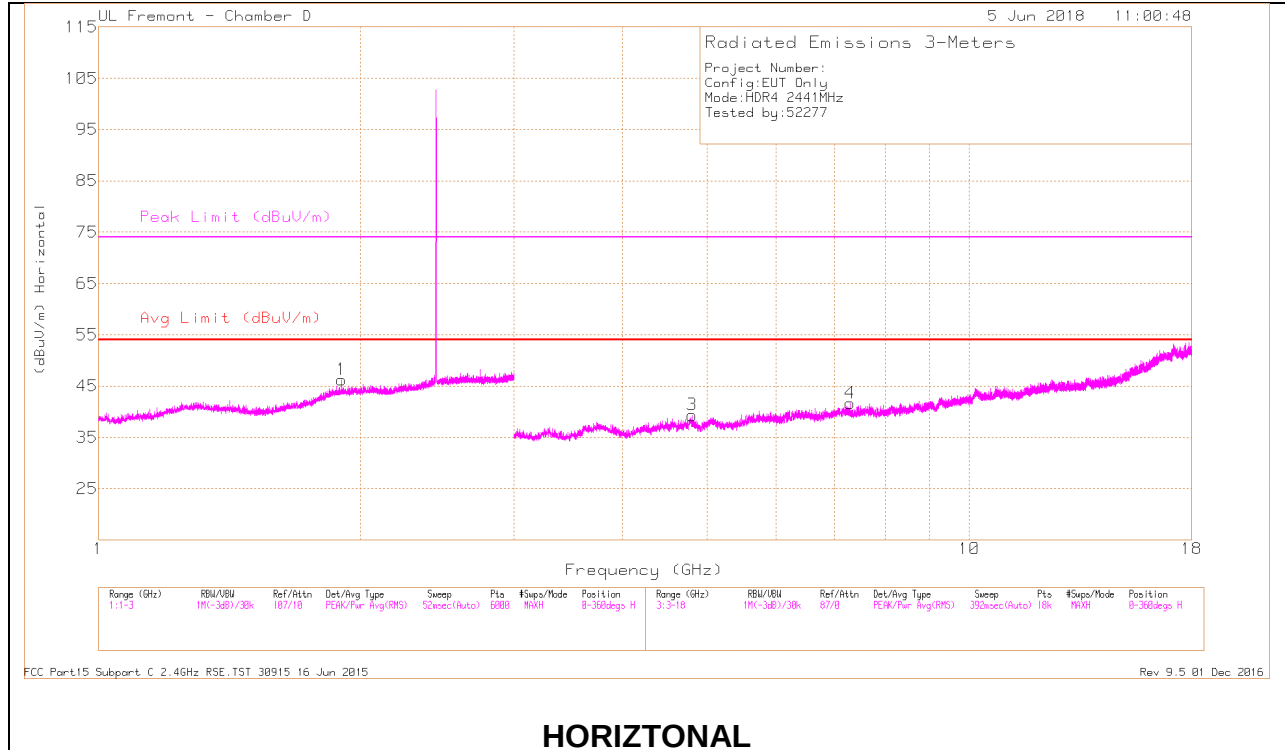
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.235	42.22	PK2	28.8	-22	49.02	-	-	74	-24.98	5	211	H
	* 1.238	29.74	MAv1	28.9	-22	36.64	54	-17.36	-	-	5	211	H
2	* 1.468	42.13	PK2	28.3	-21.7	48.73	-	-	74	-25.27	90	206	V
	* 1.469	29.61	MAv1	28.3	-21.7	36.21	54	-17.79	-	-	90	206	V
3	* 5.003	37.16	PK2	34.3	-26.5	44.96	-	-	74	-29.04	30	254	H
	* 5.001	25.45	MAv1	34.3	-26.5	33.25	54	-20.75	-	-	30	254	H
4	* 10.95	33.24	PK2	37.7	-20.1	50.84	-	-	74	-23.16	340	152	H
	* 10.95	22.1	MAv1	37.7	-20.1	39.7	54	-14.3	-	-	340	152	H
5	* 3.785	37.76	PK2	33.6	-27.9	43.46	-	-	74	-30.54	46	345	V
	* 3.783	26.27	MAv1	33.6	-27.9	31.97	54	-22.03	-	-	46	345	V
6	* 7.534	35.84	PK2	36.3	-24.5	47.64	-	-	74	-26.36	285	241	V
	* 7.532	24.17	MAv1	36.3	-24.5	35.97	54	-18.03	-	-	285	241	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

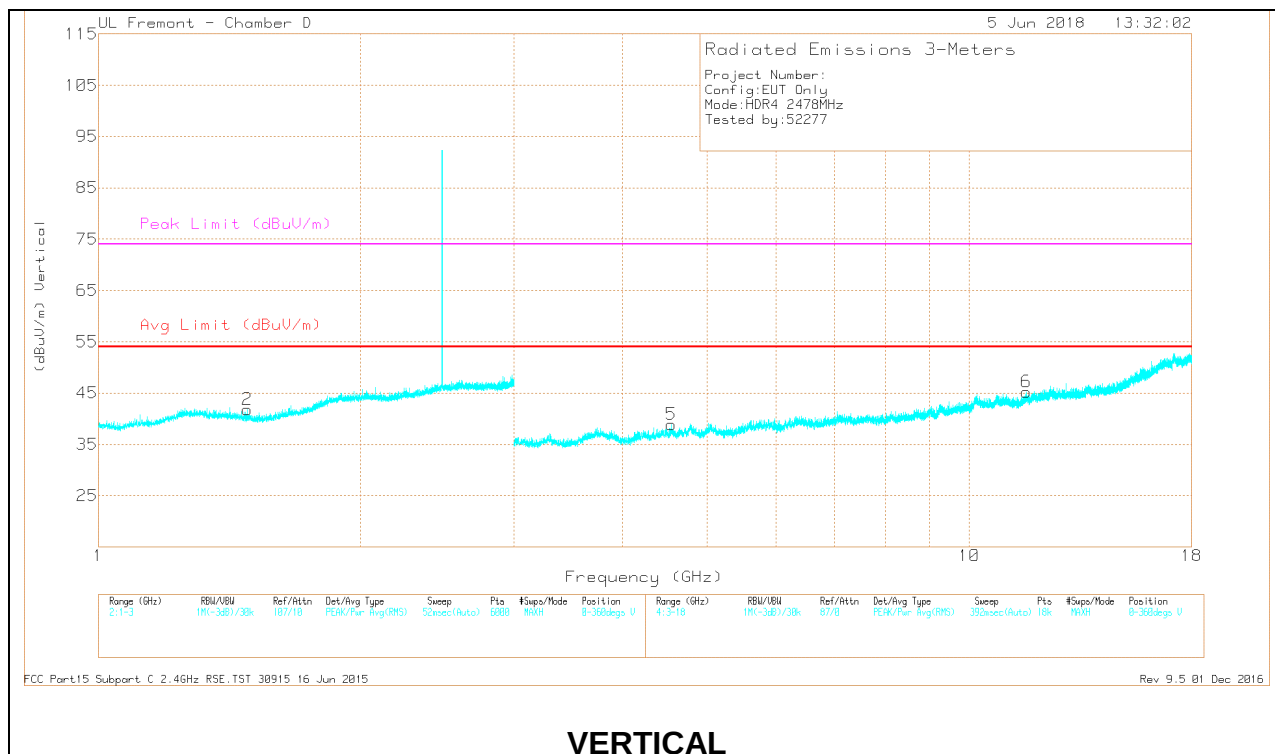
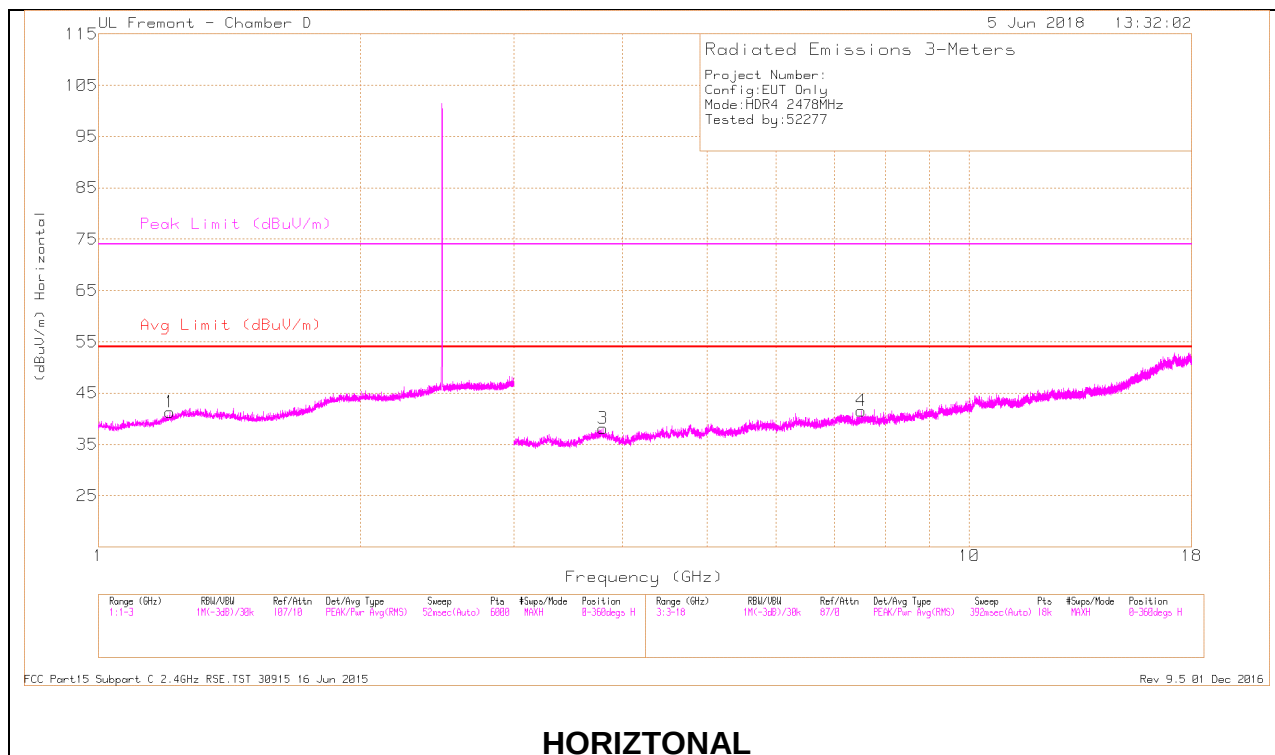
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* 4.808	37.1	PK2	34.5	-26.5	45.1	-	-	74	-28.9	350	195	H
	* 4.809	25.08	MAv1	34.5	-26.5	33.08	54	-20.92	-	-	350	195	H
4	* 7.292	36.3	PK2	36.1	-24.2	48.2	-	-	74	-25.8	183	203	H
	* 7.292	23.97	MAv1	36.1	-24.2	35.87	54	-18.13	-	-	183	203	H
5	* 4.787	36.78	PK2	34.5	-26.2	45.08	-	-	74	-28.92	35	232	V
	* 4.788	25.57	MAv1	34.5	-26.2	33.87	54	-20.13	-	-	35	232	V
6	* 8.136	34.29	PK2	35.8	-22.2	47.89	-	-	74	-26.11	39	400	V
	* 8.135	23.11	MAv1	35.8	-22.2	36.71	54	-17.29	-	-	39	400	V
2	1.872	41.93	PK2	31.4	-21.2	52.13	-	-	-	-	31	247	V
1	1.903	42.32	PK2	31.5	-21.1	52.72	-	-	-	-	300	258	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/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	* 1.209	42.12	PK2	28.4	-22.1	48.42	-	-	74	-25.58	8	376	H
	* 1.209	29.97	MAv1	28.4	-22.1	36.27	54	-17.73	-	-	8	376	H
2	* 1.484	42.93	PK2	28.2	-21.6	49.53	-	-	74	-24.47	102	238	V
	* 1.484	29.69	MAv1	28.2	-21.6	36.29	54	-17.71	-	-	102	238	V
3	* 3.796	37.66	PK2	33.6	-28	43.26	-	-	74	-30.74	334	291	H
	* 3.794	26.08	MAv1	33.6	-28	31.68	54	-22.32	-	-	334	291	H
4	* 7.509	35.28	PK2	36.3	-24.4	47.18	-	-	74	-26.82	279	262	H
	* 7.508	23.93	MAv1	36.3	-24.3	35.93	54	-18.07	-	-	279	262	H
5	* 4.548	37.95	PK2	34.6	-27.6	44.95	-	-	74	-29.05	253	240	V
	* 4.549	25.94	MAv1	34.6	-27.6	32.94	54	-21.06	-	-	253	240	V
6	* 11.636	33.04	PK2	38.3	-19.8	51.54	-	-	74	-22.46	0	235	V
	* 11.636	21.4	MAv1	38.3	-19.8	39.9	54	-14.1	-	-	0	235	V

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

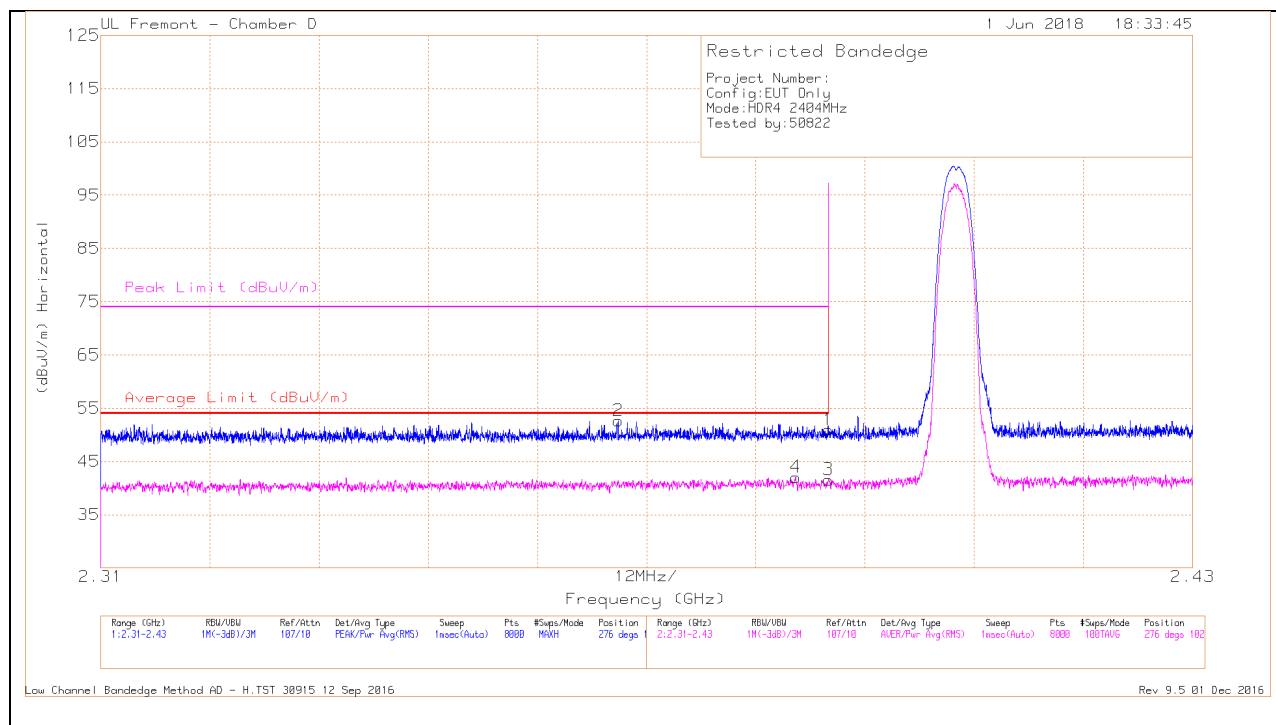
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

Antenna 3

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



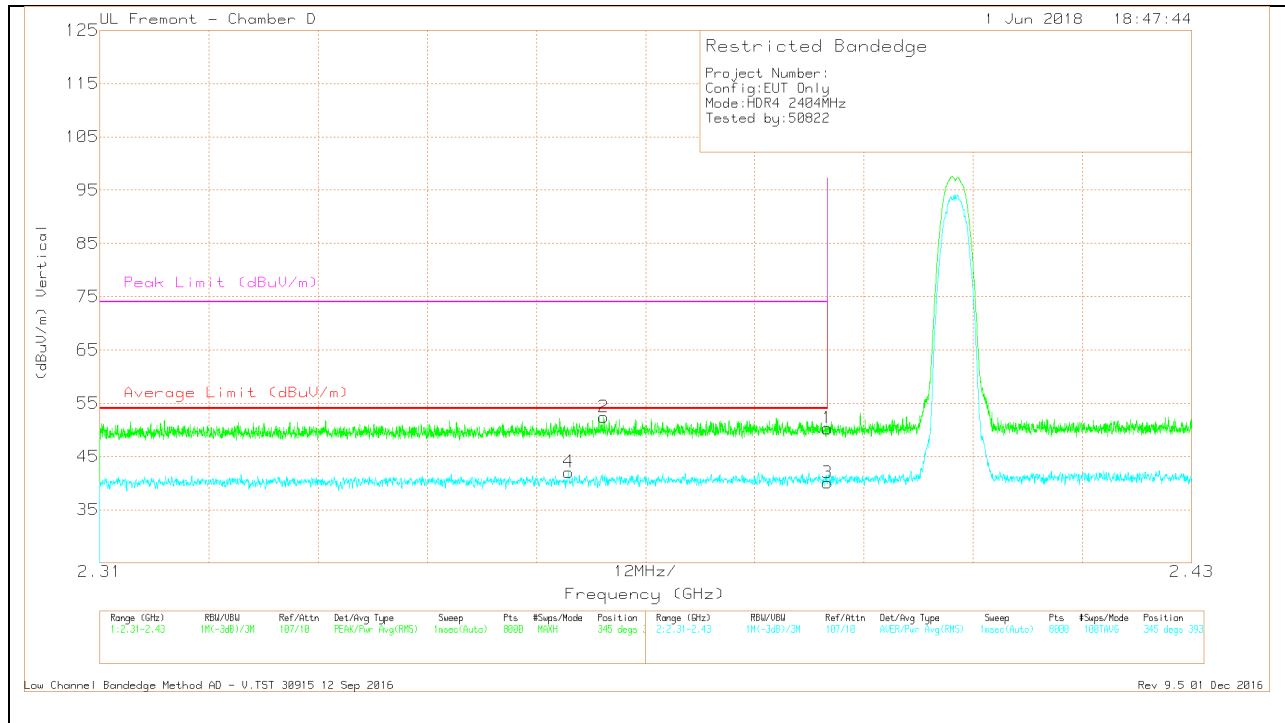
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filt/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.367	41.55	Pk	31.7	-20.6	52.65	-	-	74	-21.35	276	102	H
4	* 2.386	30.64	RMS	31.9	-20.5	42.04	54	-11.96	-	-	276	102	H
1	* 2.39	39.51	Pk	31.9	-20.5	50.91	-	-	74	-23.09	276	102	H
3	* 2.39	30.17	RMS	31.9	-20.5	41.57	54	-12.43	-	-	276	102	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
4	* 2.362	30.97	RMS	31.7	-20.6	42.07	54	-11.93	-	-	345	393	V
2	* 2.365	41.21	Pk	31.7	-20.5	52.41	-	-	74	-21.59	345	393	V
1	* 2.39	38.88	Pk	31.9	-20.5	50.28	-	-	74	-23.72	345	393	V
3	* 2.39	28.64	RMS	31.9	-20.5	40.04	54	-13.96	-	-	345	393	V

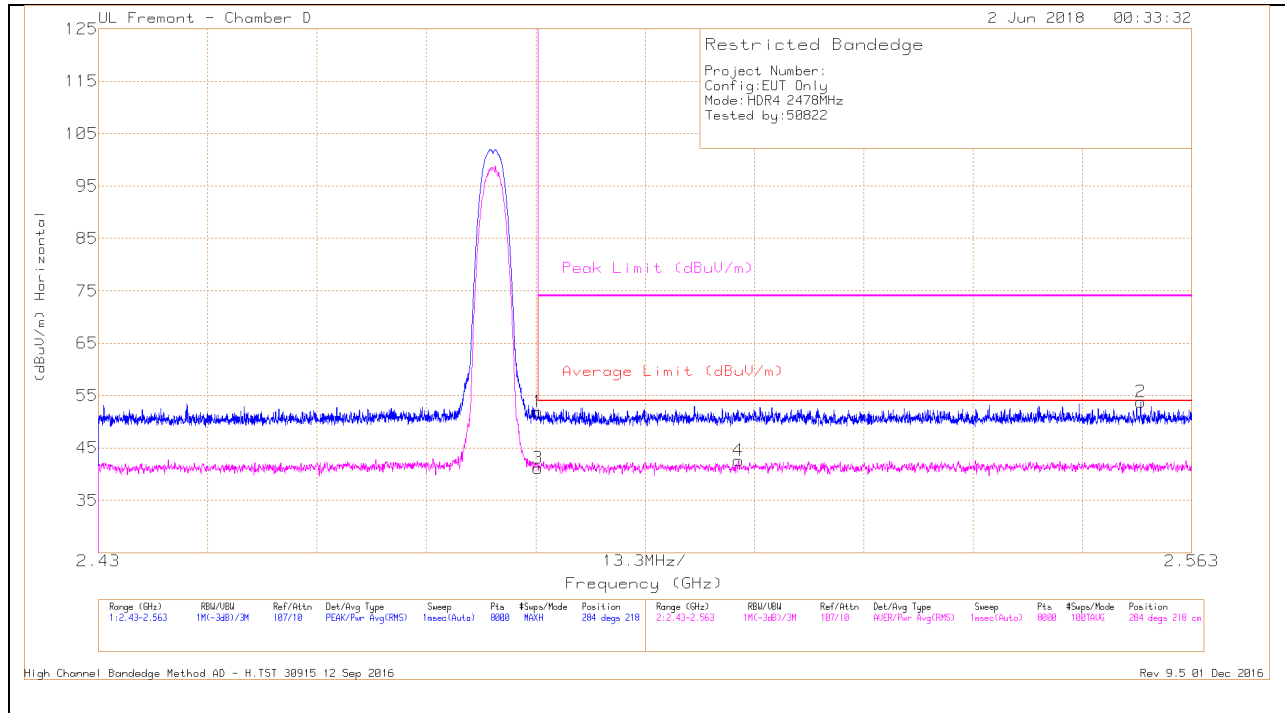
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



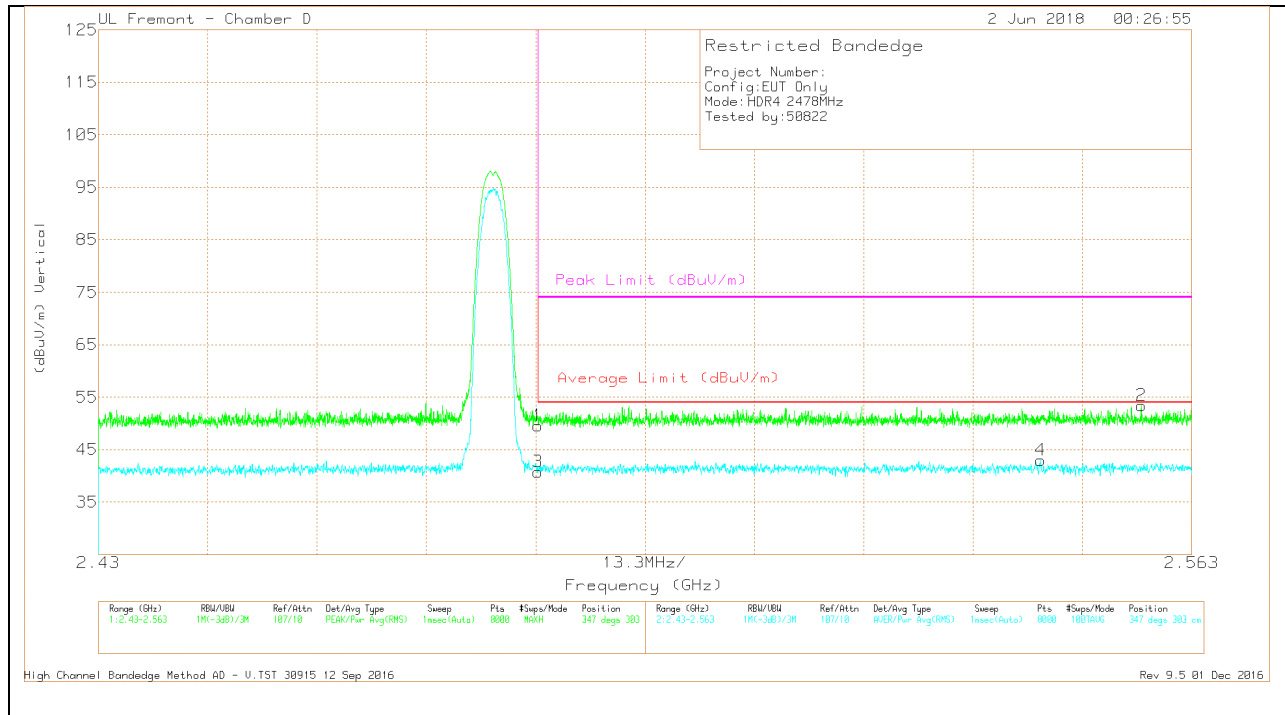
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1	* 2.484	39.86	Pk	32.4	-20.4	51.86	-	-	74	-22.14	284	218	H
3	* 2.484	29.05	RMS	32.4	-20.4	41.05	54	-12.95	-	-	284	218	H
4	2.508	30.53	RMS	32.4	-20.3	42.63	54	-11.37	-	-	284	218	H
2	2.557	41.45	Pk	32.5	-20.2	53.75	-	-	74	-20.25	284	218	H

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Pk - Peak detector

RMS - RMS detection

VERTICAL 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	* 2.484	37.58	Pk	32.4	-20.4	49.58	-	-	74	-24.42	347	303	V
3	* 2.484	28.75	RMS	32.4	-20.4	40.75	54	-13.25	-	-	347	303	V
4	2.545	30.86	RMS	32.4	-20.3	42.96	54	-11.04	-	-	347	303	V
2	2.557	41.13	Pk	32.5	-20.2	53.43	-	-	74	-20.57	347	303	V

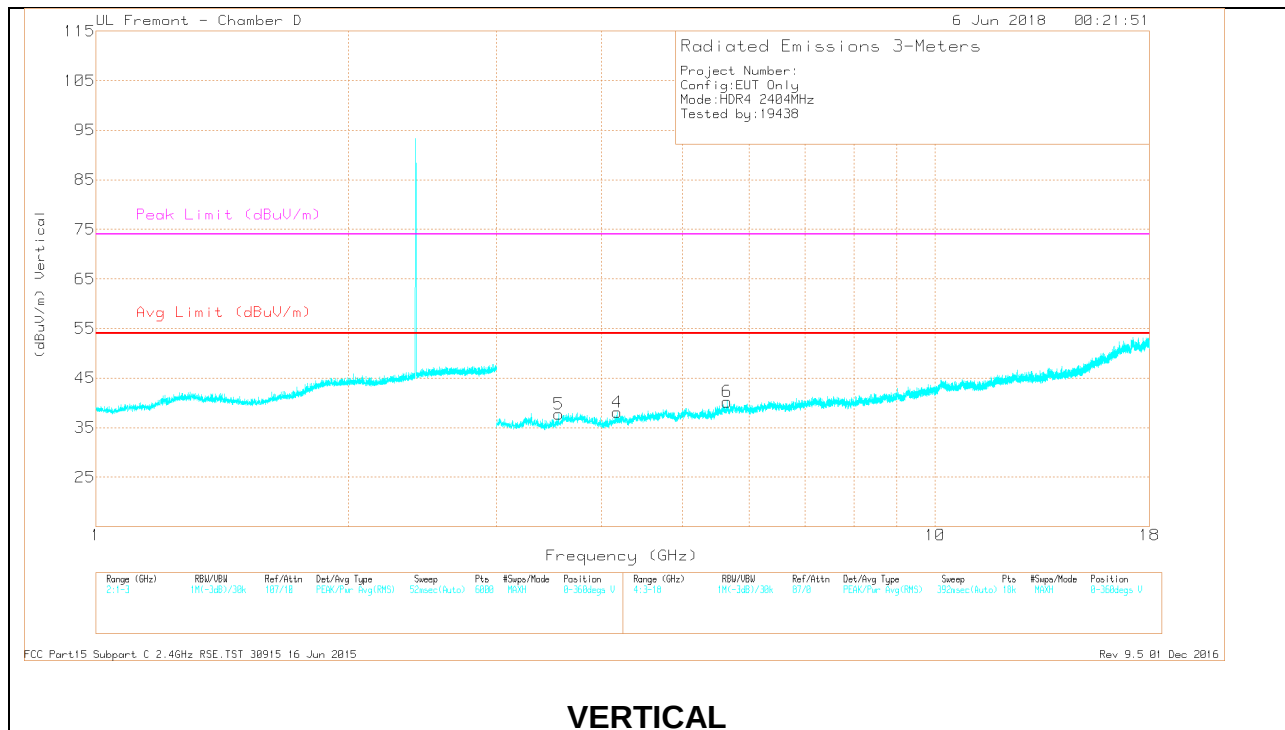
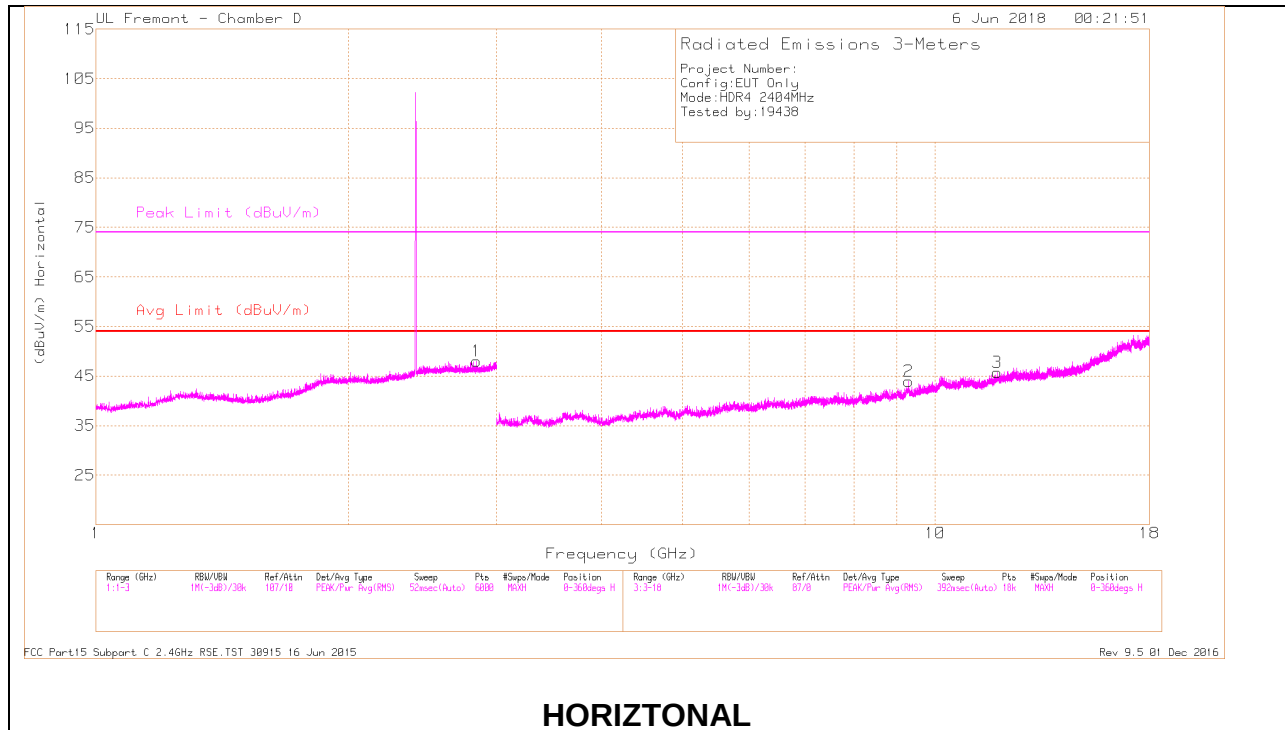
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Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

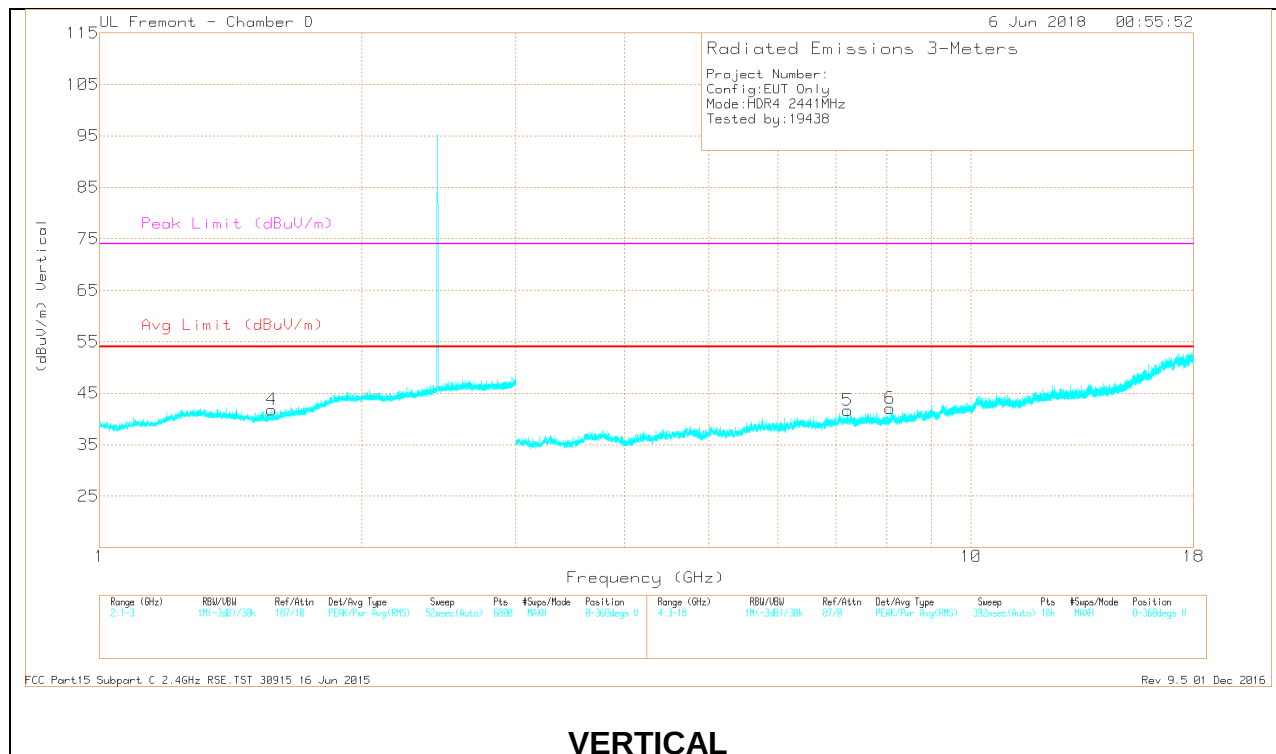
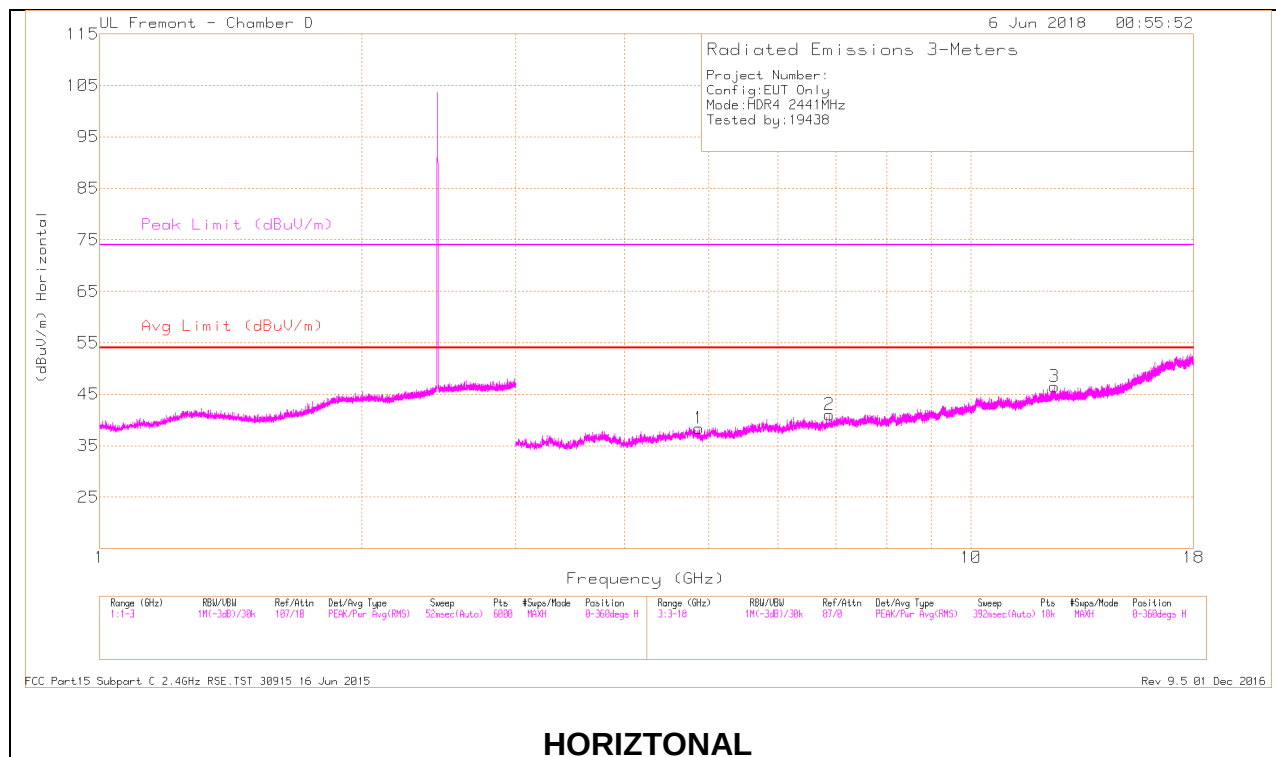
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.847	41.7	PK2	32.5	-19.9	54.3	-	-	74	-19.7	346	222	H
	* 2.827	29.42	MAv1	32.6	-19.9	42.12	54	-11.88	-	-	346	222	H
2	* 9.301	34.38	PK2	36.4	-20.4	50.38	-	-	74	-23.62	172	385	H
	* 9.301	22.64	MAv1	36.4	-20.4	38.64	54	-15.36	-	-	172	385	H
3	* 11.848	34.65	PK2	38.6	-19.8	53.45	-	-	74	-20.55	243	256	H
	* 11.845	22.53	MAv1	38.6	-19.8	41.33	54	-12.67	-	-	243	256	H
4	* 4.173	38.4	PK2	33.7	-27.6	44.5	-	-	74	-29.5	90	337	V
	* 4.17	26.84	MAv1	33.7	-27.6	32.94	54	-21.06	-	-	90	337	V
5	* 3.577	39.01	PK2	33.4	-28	44.41	-	-	74	-29.59	48	371	V
	* 3.564	27.42	MAv1	33.4	-28	32.82	54	-21.18	-	-	48	371	V
6	5.643	37.38	PK2	35.3	-26.3	46.38	-	-	-	-	151	134	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

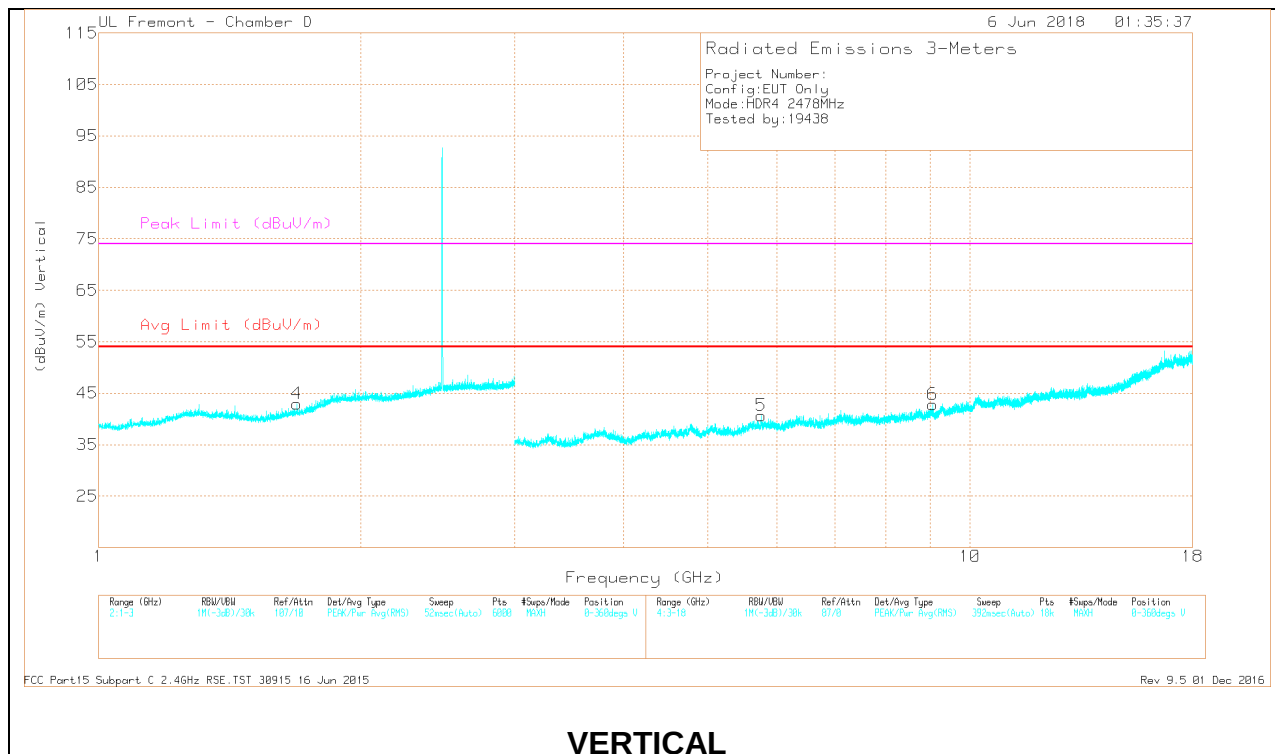
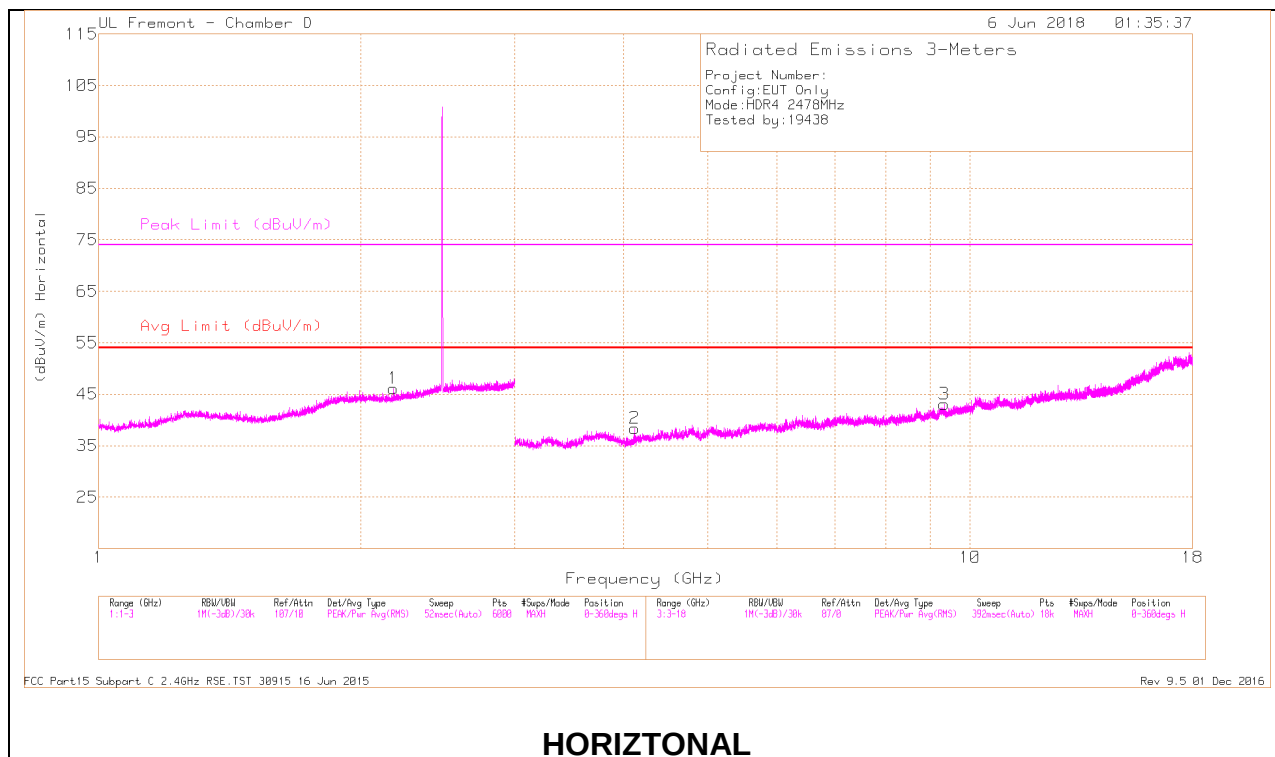
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 1.556	42.3	PK2	28	-21.6	48.7	-	-	74	-25.3	230	177	V
	* 1.58	30.12	MAv1	28.2	-21.6	36.72	54	-17.28	-	-	230	177	V
1	* 4.884	37.34	PK2	34.4	-27.7	44.04	-	-	74	-29.96	149	238	H
	* 4.885	25.45	MAv1	34.4	-27.7	32.15	54	-21.85	-	-	149	238	H
3	* 12.474	33.49	PK2	39	-20.1	52.39	-	-	74	-21.61	273	343	H
	* 12.476	22.39	MAv1	39	-20.2	41.19	54	-12.81	-	-	273	343	H
6	* 8.072	35.28	PK2	35.8	-23.3	47.78	-	-	74	-26.22	227	282	V
	* 8.068	24.09	MAv1	35.8	-23.3	36.59	54	-17.41	-	-	227	282	V
2	6.854	36.06	PK2	36.1	-25.3	46.86	-	-	-	-	203	130	H
5	7.214	36.15	PK2	36.3	-24.5	47.95	-	-	-	-	283	194	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
4	* 1.694	41.7	PK2	29	-21.4	49.3	-	-	74	-24.7	187	285	V
	* 1.679	29.66	MAv1	28.9	-21.5	37.06	54	-16.94	-	-	187	285	V
2	* 4.112	37.77	PK2	33.6	-27.7	43.67	-	-	74	-30.33	242	126	H
	* 4.108	26.16	MAv1	33.6	-27.8	31.96	54	-22.04	-	-	242	126	H
3	* 9.354	33.52	PK2	36.4	-21.1	48.82	-	-	74	-25.18	186	111	H
	* 9.353	21.96	MAv1	36.4	-21.1	37.26	54	-16.74	-	-	186	111	H
6	* 9.053	34.33	PK2	36.2	-21.4	49.13	-	-	74	-24.87	189	274	V
	* 9.08	22.84	MAv1	36.3	-21.7	37.44	54	-16.56	-	-	189	274	V
1	2.16	42.01	PK2	31	-20.7	52.31	-	-	-	-	34	121	H
5	5.749	36.96	PK2	35.7	-26.7	45.96	-	-	-	-	255	214	V

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

PK2 - KDB558074 Method: Maximum Peak

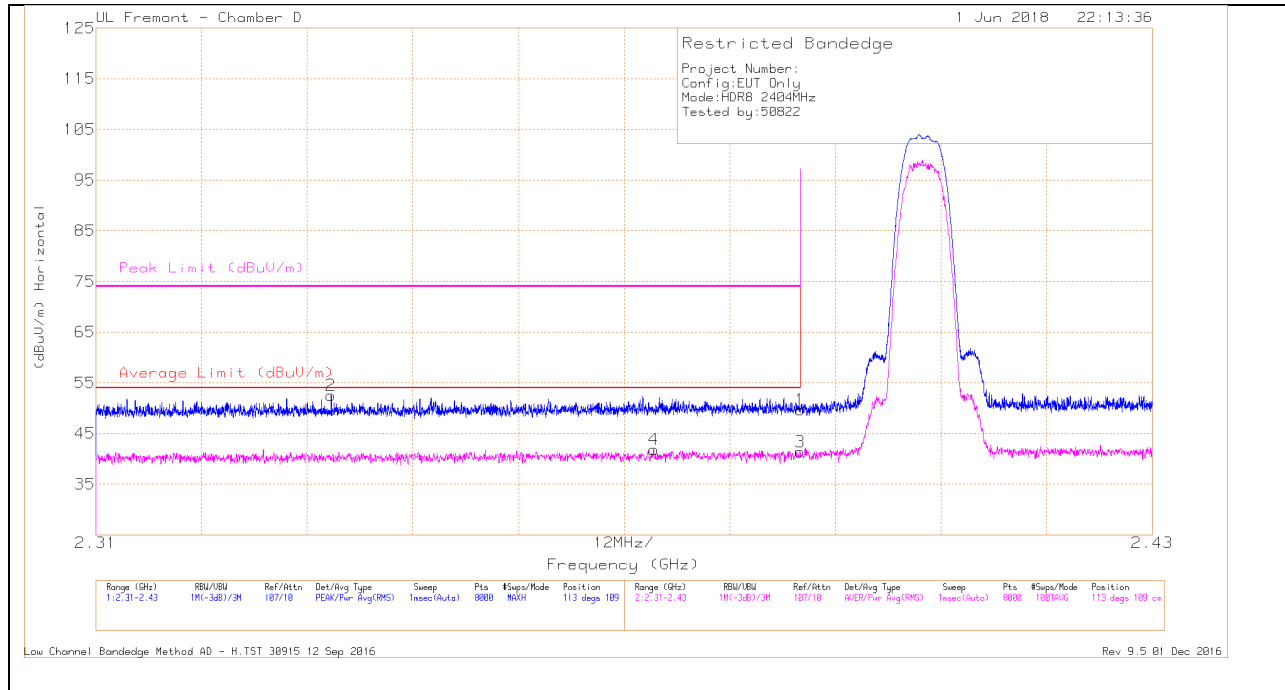
MAv1 - KDB558074 Option 1 Maximum RMS Average

9.2.2. HIGH POWER HDR8

Antenna 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



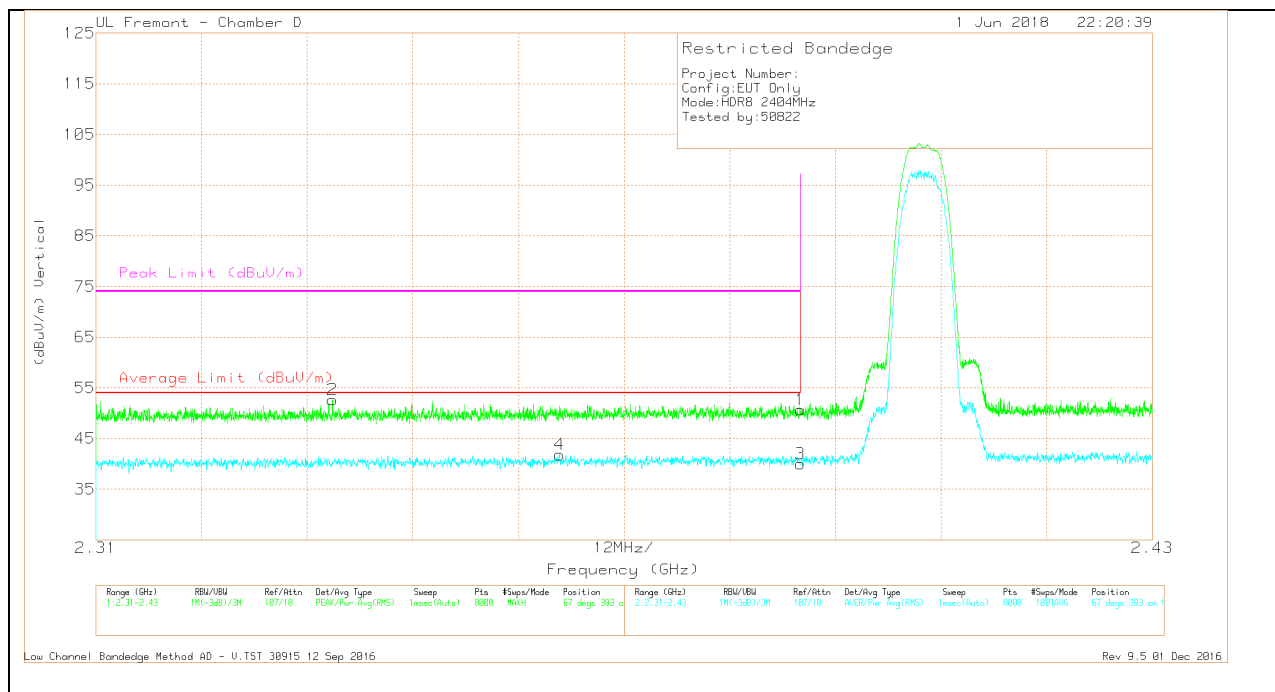
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Ftr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	38.27	Pk	31.9	-20.5	49.67	-	-	74	-24.33	113	109	H
2	* 2.337	41.5	Pk	31.6	-20.6	52.5	-	-	74	-21.5	113	109	H
3	* 2.39	29.97	RMS	31.9	-20.5	41.37	54	-12.63	-	-	113	109	H
4	* 2.373	30.57	RMS	31.8	-20.5	41.87	54	-12.13	-	-	113	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/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	* 2.39	39.25	Pk	31.9	-20.5	50.65	-	-	74	-23.35	67	393	V
2	* 2.337	41.65	Pk	31.6	-20.6	52.65	-	-	74	-21.35	67	393	V
3	* 2.39	28.62	RMS	31.9	-20.5	40.02	54	-13.98	-	-	67	393	V
4	* 2.363	30.69	RMS	31.7	-20.6	41.79	54	-12.21	-	-	67	393	V

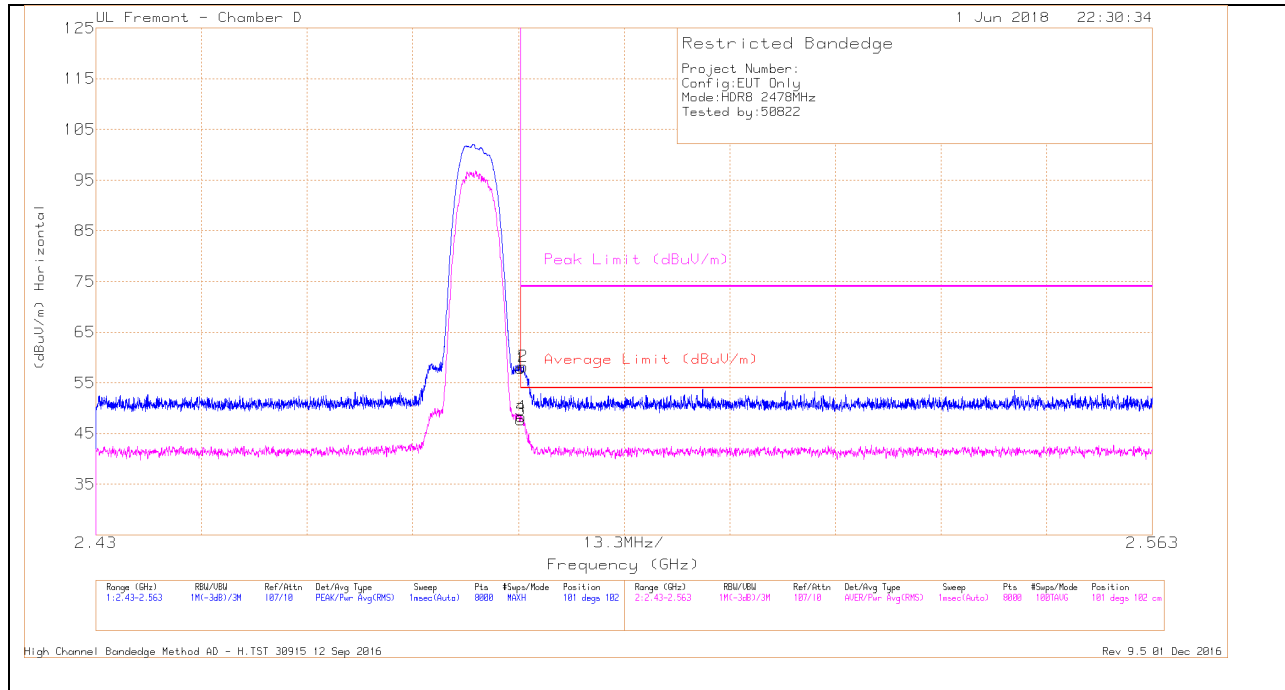
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



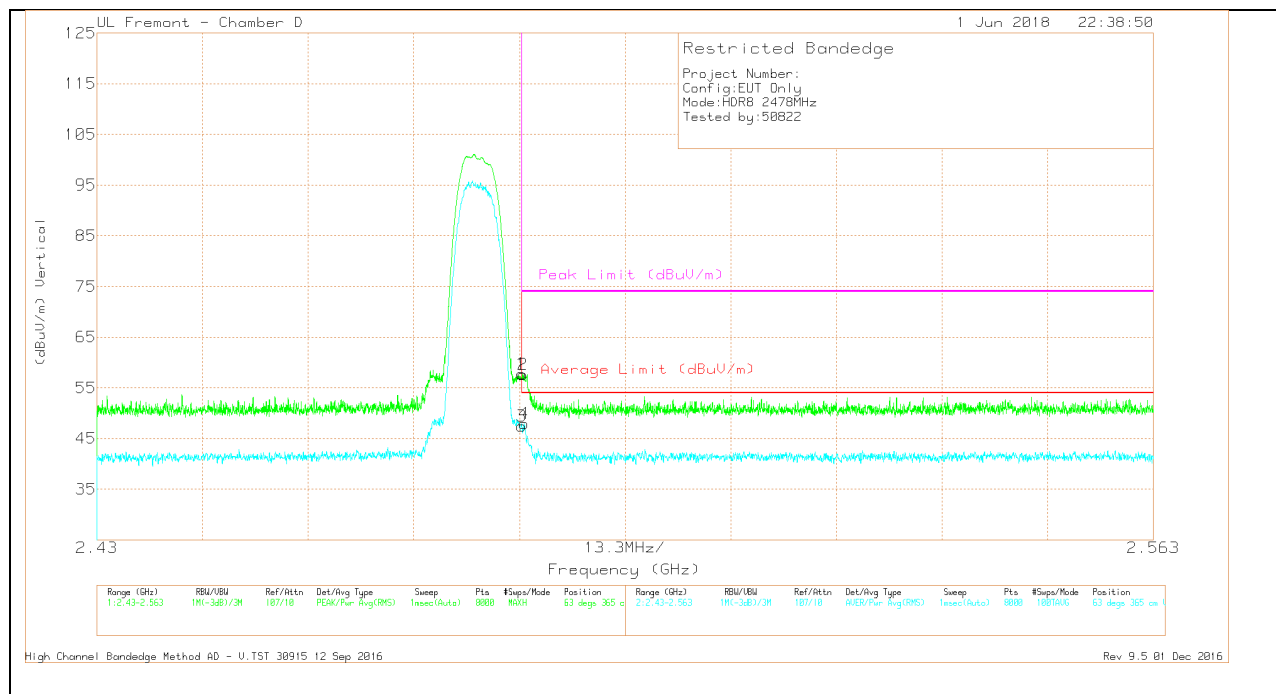
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Ftr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	45.87	Pk	32.4	-20.4	57.87	-	-	74	-16.13	101	102	H
2	* 2.484	46.28	Pk	32.4	-20.5	58.18	-	-	74	-15.82	101	102	H
3	* 2.484	35.63	RMS	32.4	-20.4	47.63	54	-6.37	-	-	101	102	H
4	* 2.484	36.43	RMS	32.4	-20.5	48.33	54	-5.67	-	-	101	102	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/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	45.7	Pk	32.4	-20.4	57.7	-	-	74	-16.3	63	365	V
2	* 2.484	45.7	Pk	32.4	-20.5	57.6	-	-	74	-16.4	63	365	V
3	* 2.484	35.39	RMS	32.4	-20.4	47.39	54	-6.61	-	-	63	365	V
4	* 2.484	35.98	RMS	32.4	-20.5	47.88	54	-6.12	-	-	63	365	V

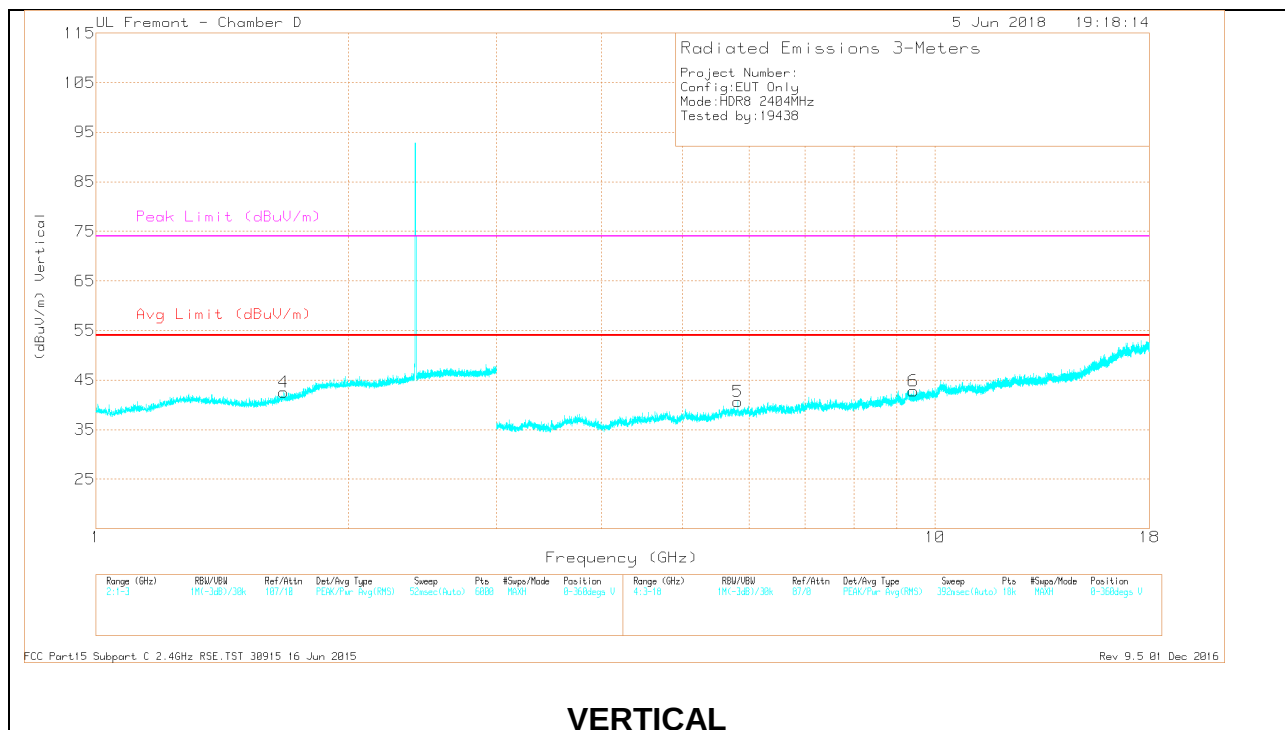
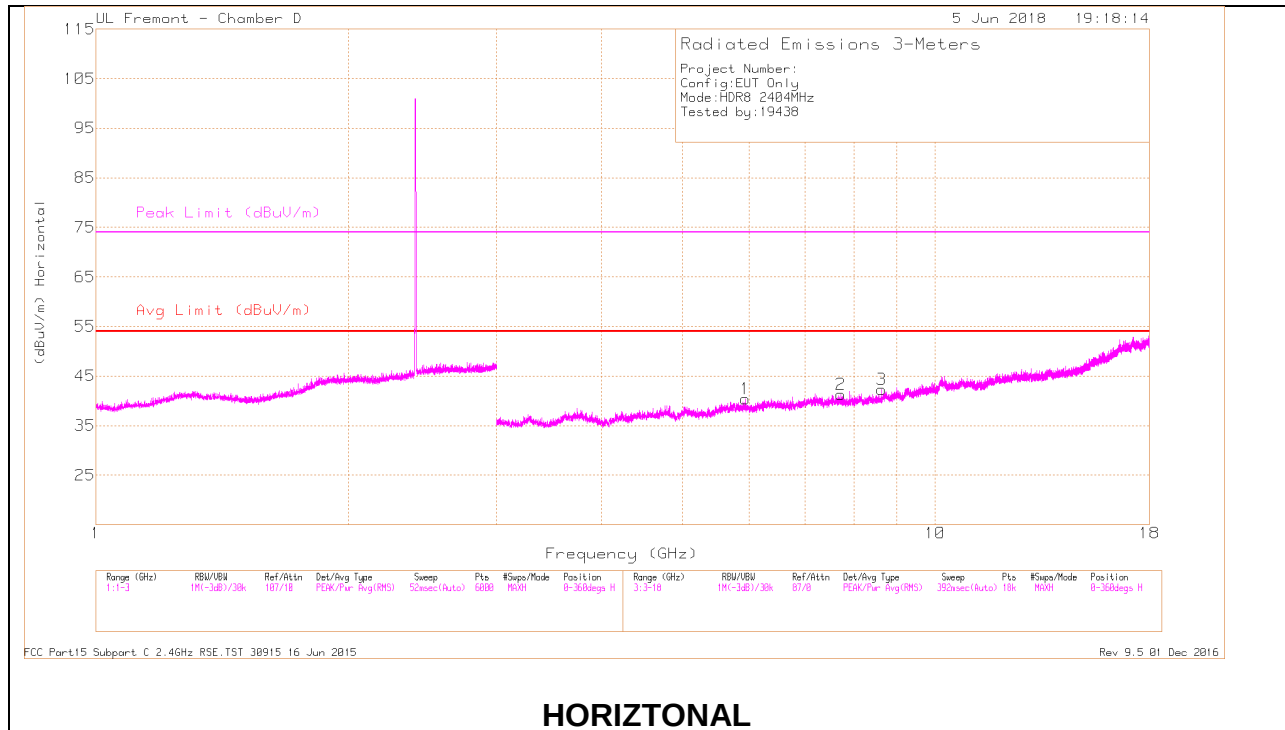
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

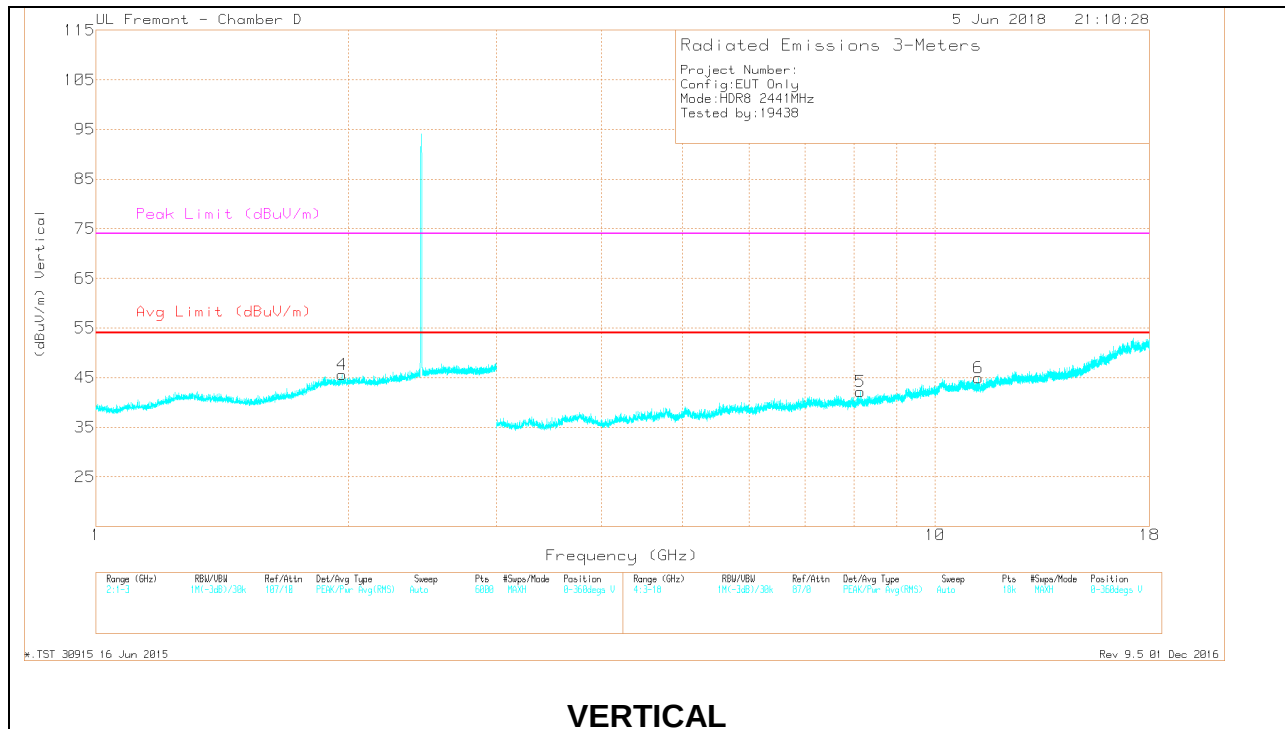
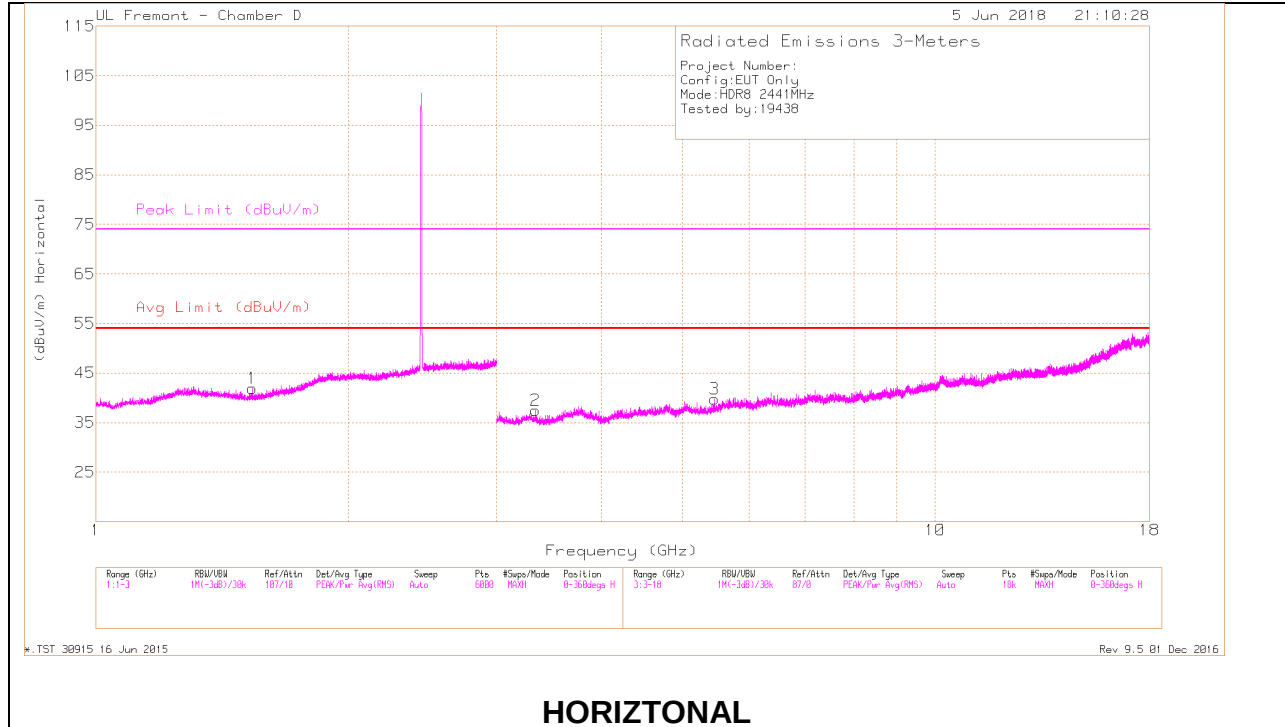
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 1.677	42.26	PK2	28.9	-21.4	49.76	-	-	74	-24.24	209	368	V
	* 1.675	30.14	MAv1	28.9	-21.4	37.64	54	-16.36	-	-	209	368	V
2	* 7.716	35.83	PK2	36	-24.3	47.53	-	-	74	-26.47	182	305	H
	* 7.716	24.54	MAv1	36	-24.3	36.24	54	-17.76	-	-	182	305	H
6	* 9.421	33.95	PK2	36.6	-21.3	49.25	-	-	74	-24.75	39	349	V
	* 9.41	22.55	MAv1	36.6	-21.3	37.85	54	-16.15	-	-	39	349	V
5	5.821	36.92	PK2	35.8	-26.6	46.12	-	-	-	-	127	181	V
1	5.924	36.79	PK2	35.8	-26.2	46.39	-	-	-	-	289	218	H
3	8.622	34.25	PK2	35.9	-22.3	47.85	-	-	-	-	269	321	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

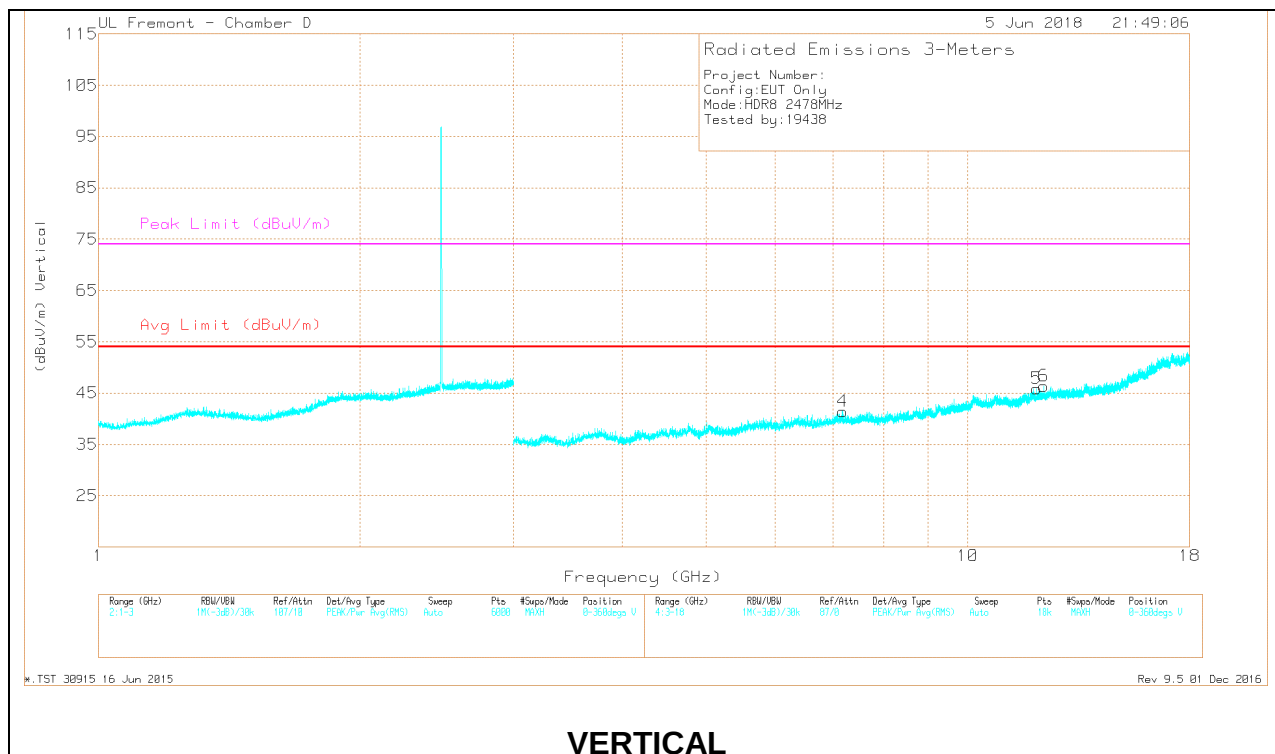
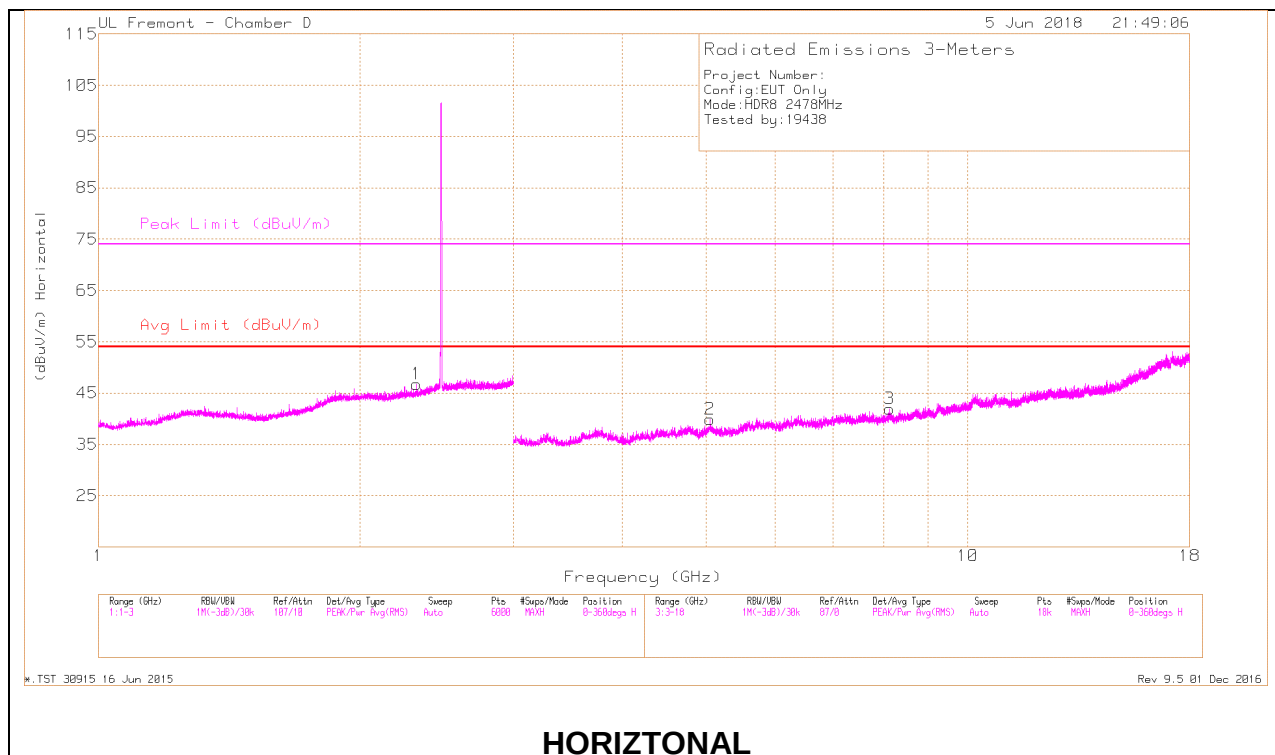
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.536	43.11	PK2	28	-21.7	49.41	-	-	74	-24.59	195	375	H
	* 1.524	30.2	MAv1	28	-21.6	36.6	54	-17.4	-	-	195	375	H
3	* 5.455	36.85	PK2	34.9	-27.2	44.55	-	-	74	-29.45	290	131	H
	* 5.455	25.85	MAv1	34.9	-27.2	33.55	54	-20.45	-	-	290	131	H
5	* 8.134	34.89	PK2	35.8	-22.2	48.49	-	-	74	-25.51	177	261	V
	* 8.139	23.75	MAv1	35.8	-22.5	37.05	54	-16.95	-	-	177	261	V
6	* 11.257	33.46	PK2	37.8	-20.2	51.06	-	-	74	-22.94	265	336	V
	* 11.247	22.15	MAv1	37.8	-20.4	39.55	54	-14.45	-	-	265	336	V
4	1.972	42.06	PK2	31.4	-21.1	52.36	-	-	-	-	354	220	V
2	3.341	39.32	PK2	33.2	-28.2	44.32	-	-	-	-	231	160	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
1	* 2.323	41.7	PK2	31.5	-20.6	52.6	-	-	74	-21.4	310	400	H
	* 2.32	29.69	MAv1	31.5	-20.6	40.59	54	-13.41	-	-	310	400	H
2	* 5.067	36.86	PK2	34.5	-26.2	45.16	-	-	74	-28.84	131	318	H
	* 5.051	25.94	MAv1	34.5	-26.2	34.24	54	-19.76	-	-	131	318	H
3	* 8.128	34.96	PK2	35.8	-22.4	48.36	-	-	74	-25.64	223	181	H
	* 8.117	23.86	MAv1	35.8	-22.5	37.16	54	-16.84	-	-	223	181	H
5	* 12.009	33.54	PK2	38.8	-20.5	51.84	-	-	74	-22.16	100	215	V
	* 11.996	22.05	MAv1	38.8	-20.5	40.35	54	-13.65	-	-	100	215	V
6	* 12.215	33.97	PK2	38.9	-20.1	52.77	-	-	74	-21.23	213	400	V
	* 12.224	22.46	MAv1	38.9	-20.1	41.26	54	-12.74	-	-	213	400	V
4	7.183	36.44	PK2	36.3	-24.6	48.14	-	-	-	-	280	287	V

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

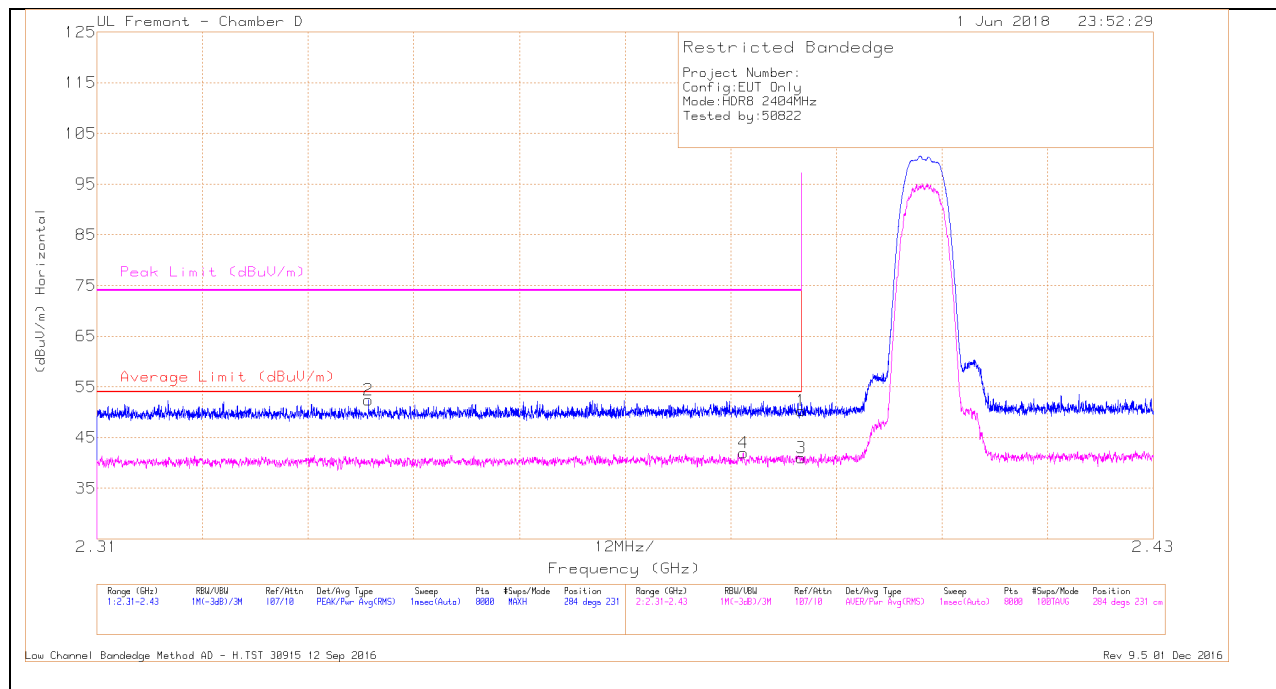
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

Antenna 3

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



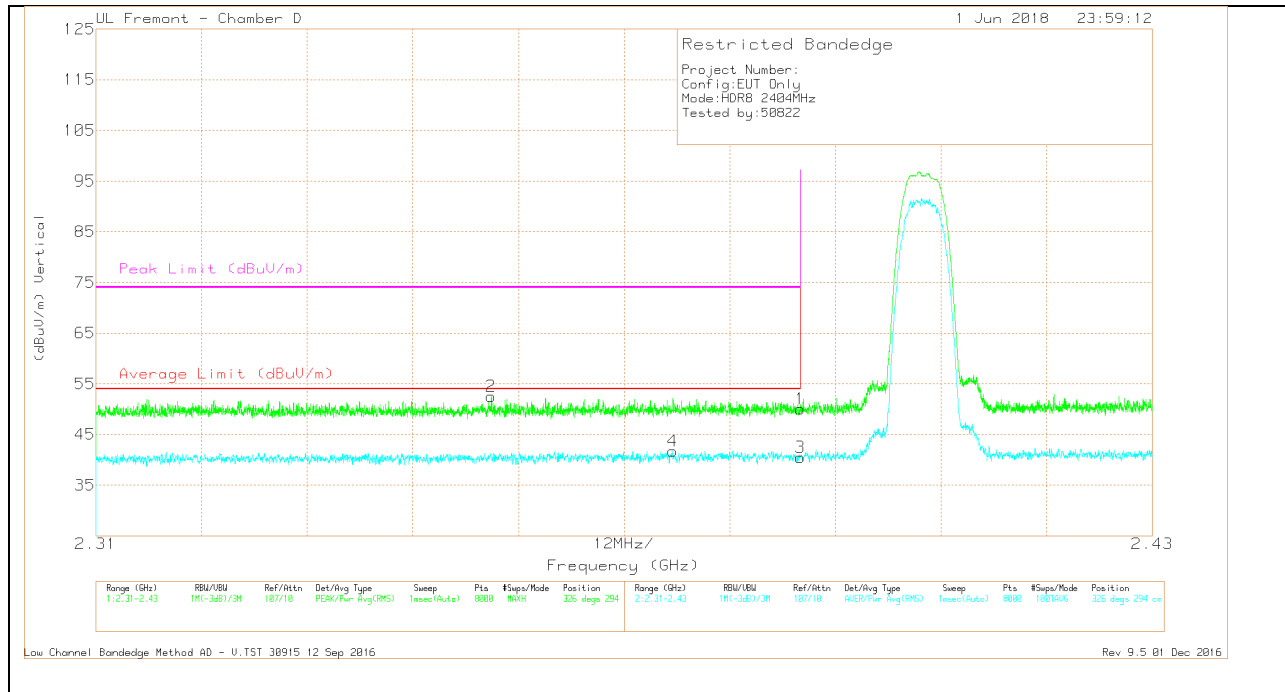
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	38.84	Pk	31.9	-20.5	50.24	-	-	74	-23.76	284	231	H
2	* 2.341	41.37	Pk	31.6	-20.6	52.37	-	-	74	-21.63	284	231	H
3	* 2.39	29.61	RMS	31.9	-20.5	41.01	54	-12.99	-	-	284	231	H
4	* 2.383	30.63	RMS	31.8	-20.5	41.93	54	-12.07	-	-	284	231	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	38.7	Pk	31.9	-20.5	50.1	-	-	74	-23.9	326	294	V
2	* 2.355	41.4	Pk	31.7	-20.6	52.5	-	-	74	-21.5	326	294	V
3	* 2.39	29.1	RMS	31.9	-20.5	40.5	54	-13.5	-	-	326	294	V
4	* 2.376	30.46	RMS	31.8	-20.5	41.76	54	-12.24	-	-	326	294	V

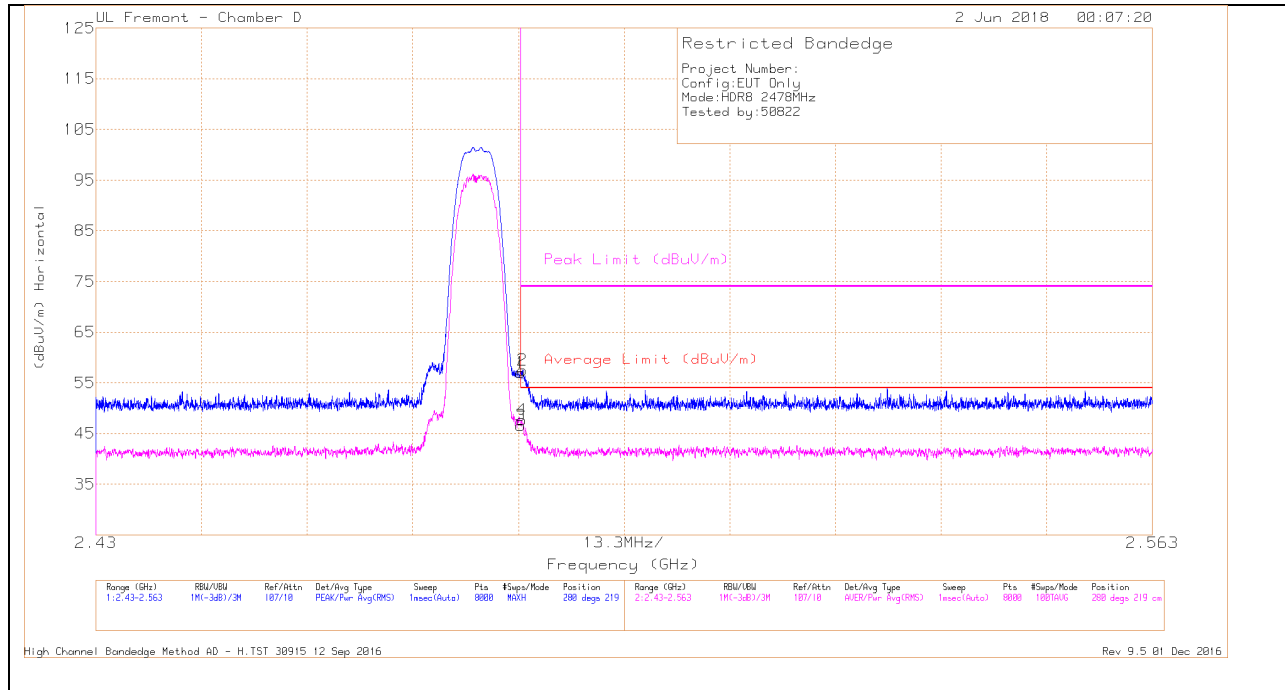
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



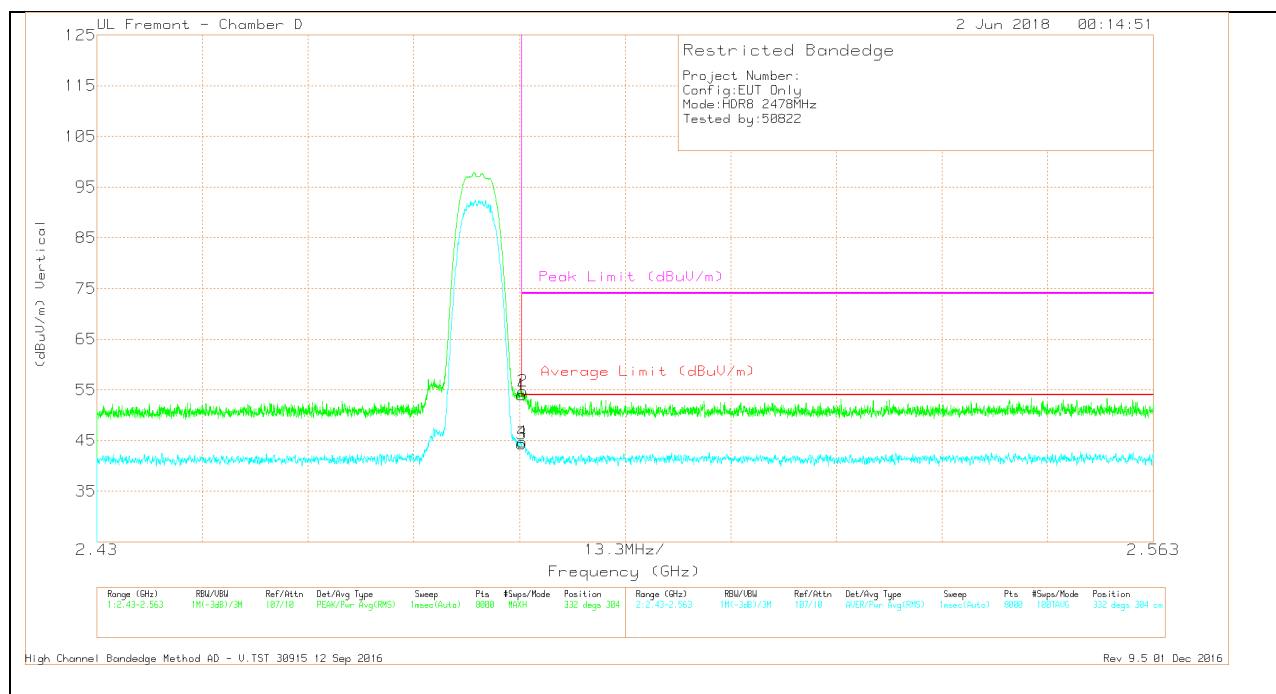
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	45.01	Pk	32.4	-20.4	57.01	-	-	74	-16.99	280	219	H
2	* 2.484	45.62	Pk	32.4	-20.5	57.52	-	-	74	-16.48	280	219	H
3	* 2.484	34.59	RMS	32.4	-20.4	46.59	54	-7.41	-	-	280	219	H
4	* 2.484	35.83	RMS	32.4	-20.5	47.73	54	-6.27	-	-	280	219	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/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	42.07	Pk	32.4	-20.4	54.07	-	-	74	-19.93	332	304	V
2	* 2.484	42.83	Pk	32.4	-20.5	54.73	-	-	74	-19.27	332	304	V
3	* 2.484	32.39	RMS	32.4	-20.4	44.39	54	-9.61	-	-	332	304	V
4	* 2.484	32.82	RMS	32.4	-20.5	44.72	54	-9.28	-	-	332	304	V

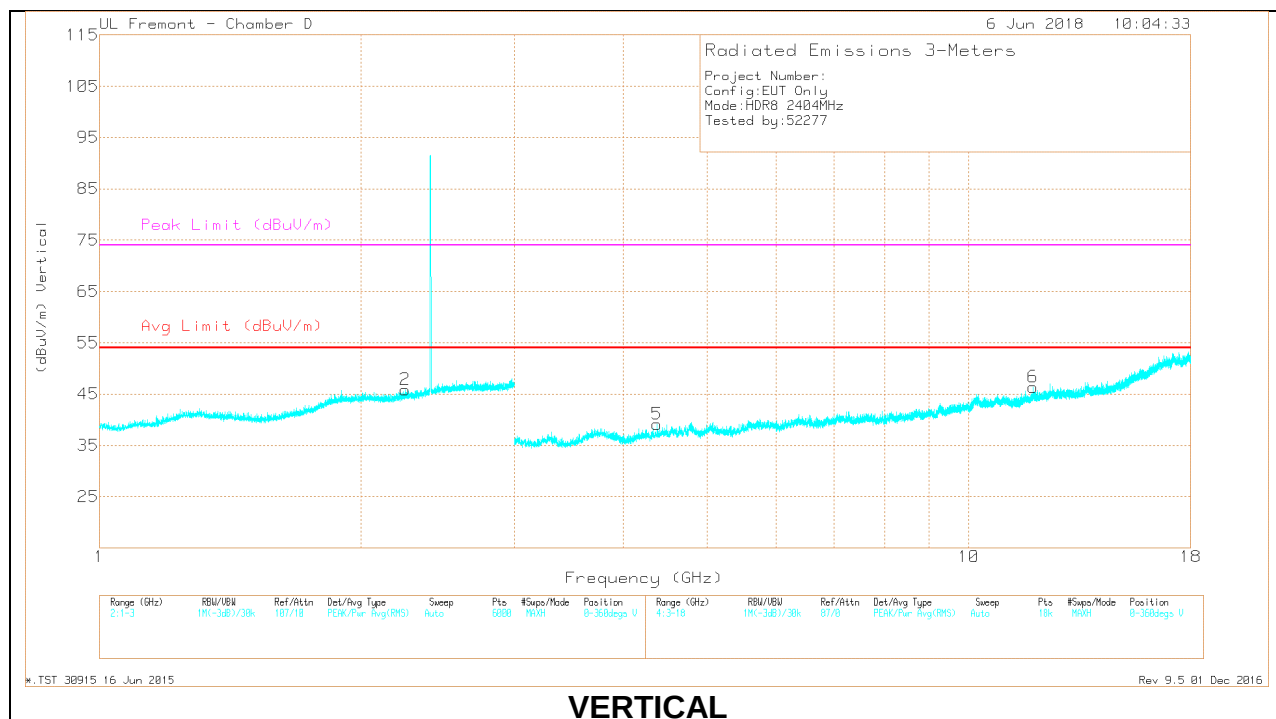
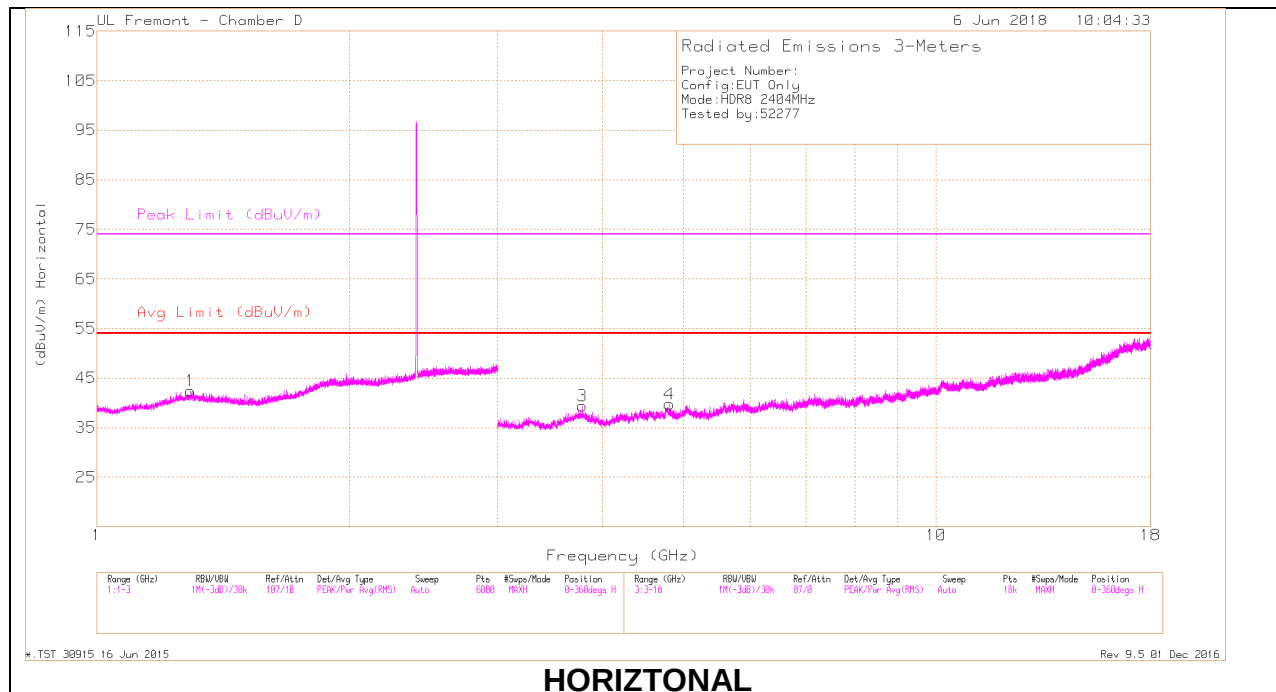
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

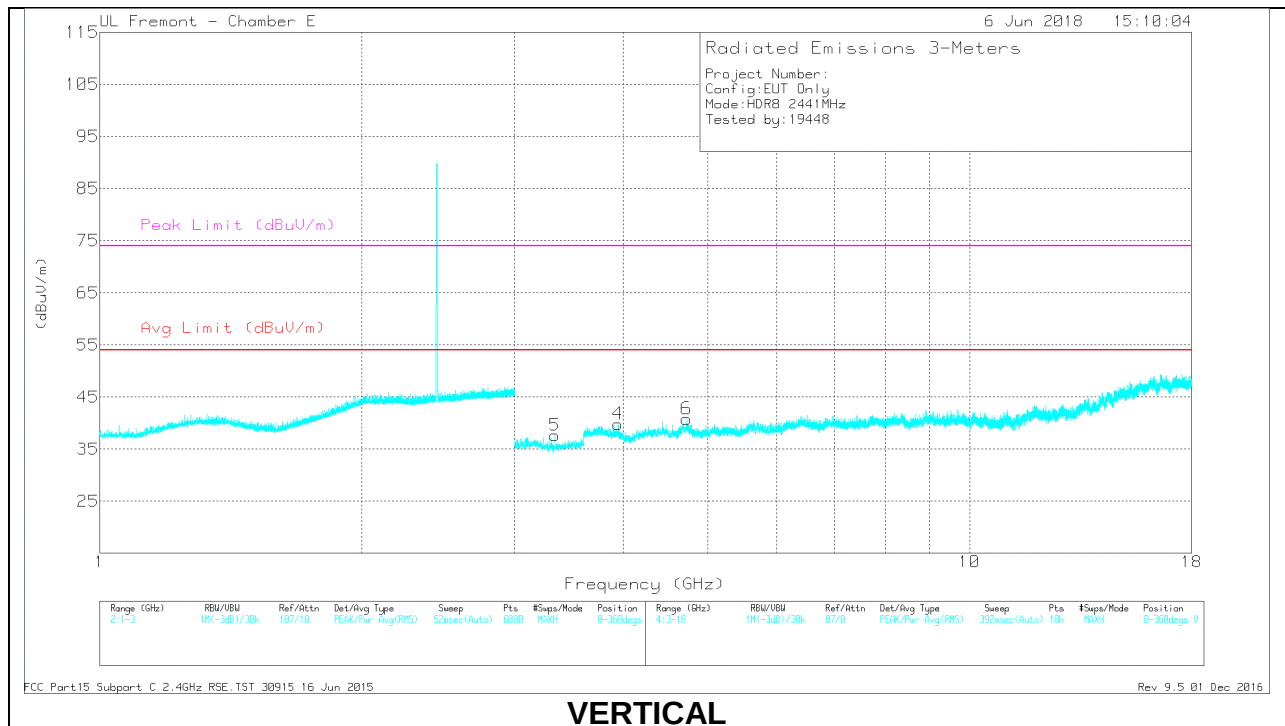
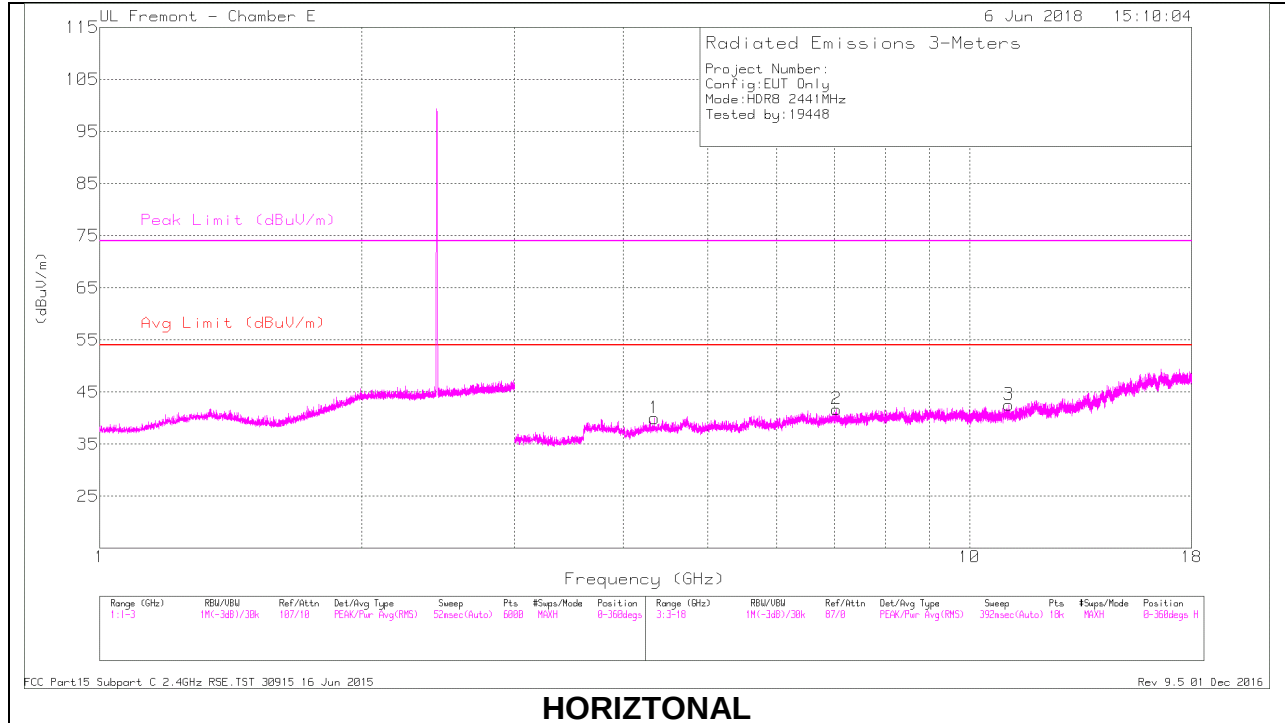
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.291	41.57	PK2	29.3	-22	48.87	-	-	74	-25.13	49	159	H
	* 1.291	29.74	MAv1	29.3	-22	37.04	54	-16.96	-	-	49	159	H
2	* 2.247	42.07	PK2	31.5	-20.7	52.87	-	-	74	-21.13	0	145	V
	* 2.246	29.71	MAv1	31.5	-20.7	40.51	54	-13.49	-	-	0	145	V
3	* 3.792	37.85	PK2	33.6	-28	43.45	-	-	74	-30.55	0	116	H
	* 3.788	26.21	MAv1	33.6	-27.9	31.91	54	-22.09	-	-	0	116	H
4	* 4.81	36.89	PK2	34.5	-26.5	44.89	-	-	74	-29.11	97	173	H
	* 4.81	25.18	MAv1	34.5	-26.5	33.18	54	-20.82	-	-	97	173	H
5	* 4.382	38.5	PK2	34.1	-27.9	44.7	-	-	74	-29.3	340	339	V
	* 4.383	26.24	MAv1	34.1	-27.9	32.44	54	-21.56	-	-	340	339	V
6	* 11.845	33.67	PK2	38.6	-19.8	52.47	-	-	74	-21.53	117	127	V
	* 11.844	21.74	MAv1	38.6	-19.9	40.44	54	-13.56	-	-	117	127	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

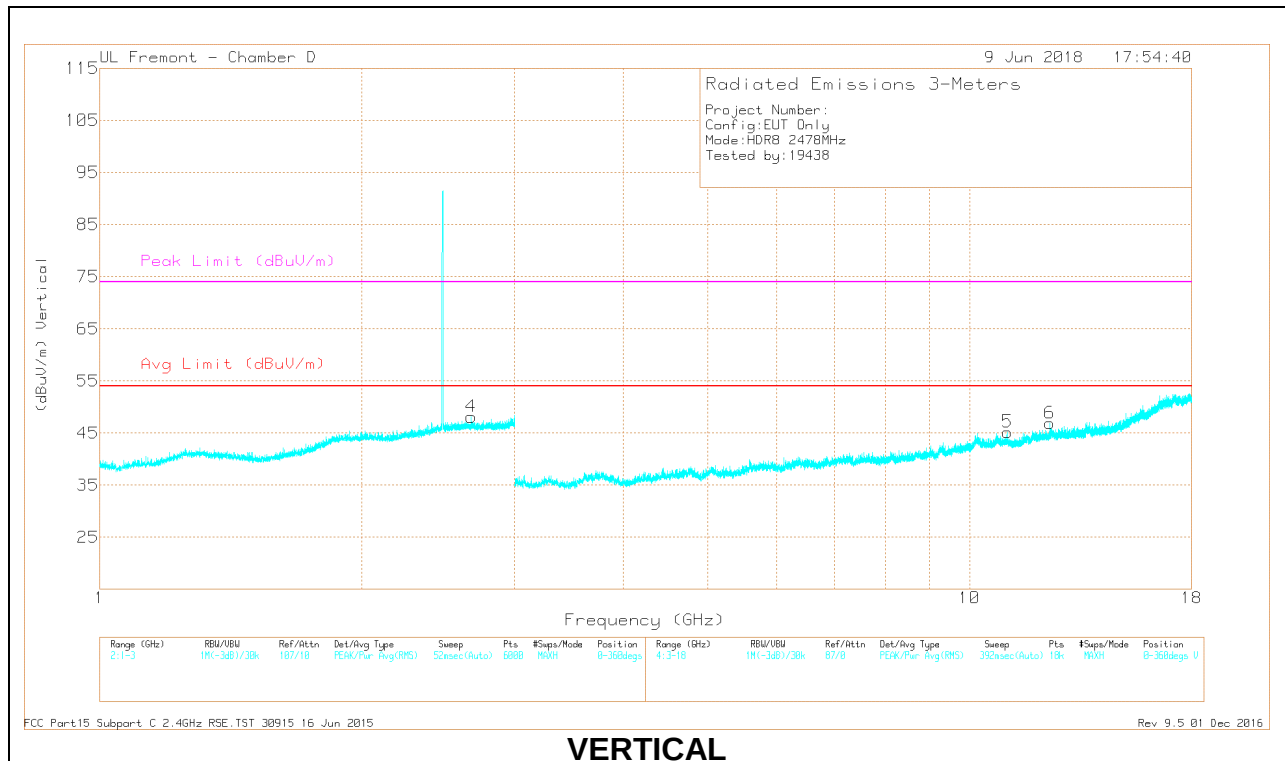
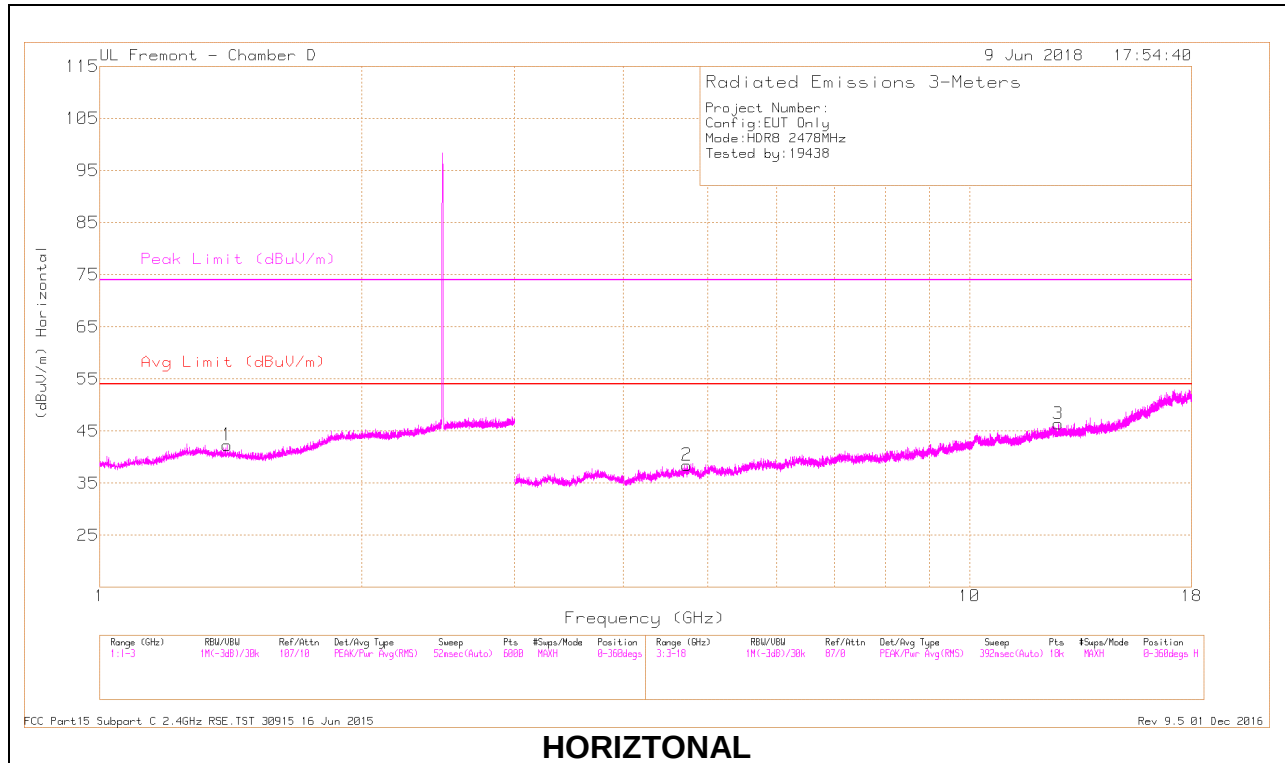
Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.342	42.18	PK2	34	-30.1	46.08	-	-	74	-27.92	41	259	H
	* 4.342	30.13	MAv1	34	-30.1	34.03	54	-19.97	-	-	41	259	H
3	* 11.092	31.93	PK2	38.5	-23	47.43	-	-	74	-26.57	253	200	H
	* 11.092	17.06	MAv1	38.5	-23	32.56	54	-21.44	-	-	253	200	H
4	* 3.947	41.62	PK2	33.7	-29	46.32	-	-	74	-27.68	86	297	V
	* 3.946	29.2	MAv1	33.7	-29	33.9	54	-20.1	-	-	86	297	V
5	* 3.337	41.46	PK2	32.9	-30.4	43.96	-	-	74	-30.04	295	366	V
	* 3.337	29.01	MAv1	32.9	-30.4	31.51	54	-22.49	-	-	295	366	V
6	* 4.729	41.38	PK2	34.4	-28.2	47.58	-	-	74	-26.42	228	177	V
	* 4.73	29.26	MAv1	34.4	-28.2	35.46	54	-18.54	-	-	228	177	V
2	7.028	39.28	PK2	36.2	-26.4	49.08	-	-	-	-	91	128	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
1	* 1.395	41.92	PK2	28.8	-21.8	48.92	-	-	74	-25.08	39	263	H
	* 1.419	29.71	MAv1	28.7	-21.8	36.61	54	-17.39	-	-	39	263	H
4	* 2.674	41.31	PK2	32.7	-20.3	53.71	-	-	74	-20.29	356	205	V
	* 2.675	29.27	MAv1	32.7	-20.3	41.67	54	-12.33	-	-	356	205	V
2	* 4.724	37.46	PK2	34.6	-26.9	45.16	-	-	74	-28.84	141	299	H
	* 4.716	26.39	MAv1	34.6	-26.9	34.09	54	-19.91	-	-	141	299	H
3	* 12.652	33.83	PK2	39.2	-20.3	52.73	-	-	74	-21.27	223	195	H
	* 12.654	22.19	MAv1	39.2	-20.4	40.99	54	-13.01	-	-	223	195	H
5	* 11.051	33.12	PK2	37.8	-19.9	51.02	-	-	74	-22.98	290	210	V
	* 11.053	21.79	MAv1	37.8	-19.9	39.69	54	-14.31	-	-	290	210	V
6	* 12.357	33.98	PK2	38.9	-20	52.88	-	-	74	-21.12	93	102	V
	* 12.361	22.12	MAv1	38.9	-20.1	40.92	54	-13.08	-	-	93	102	V

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

PK2 - KDB558074 Method: Maximum Peak

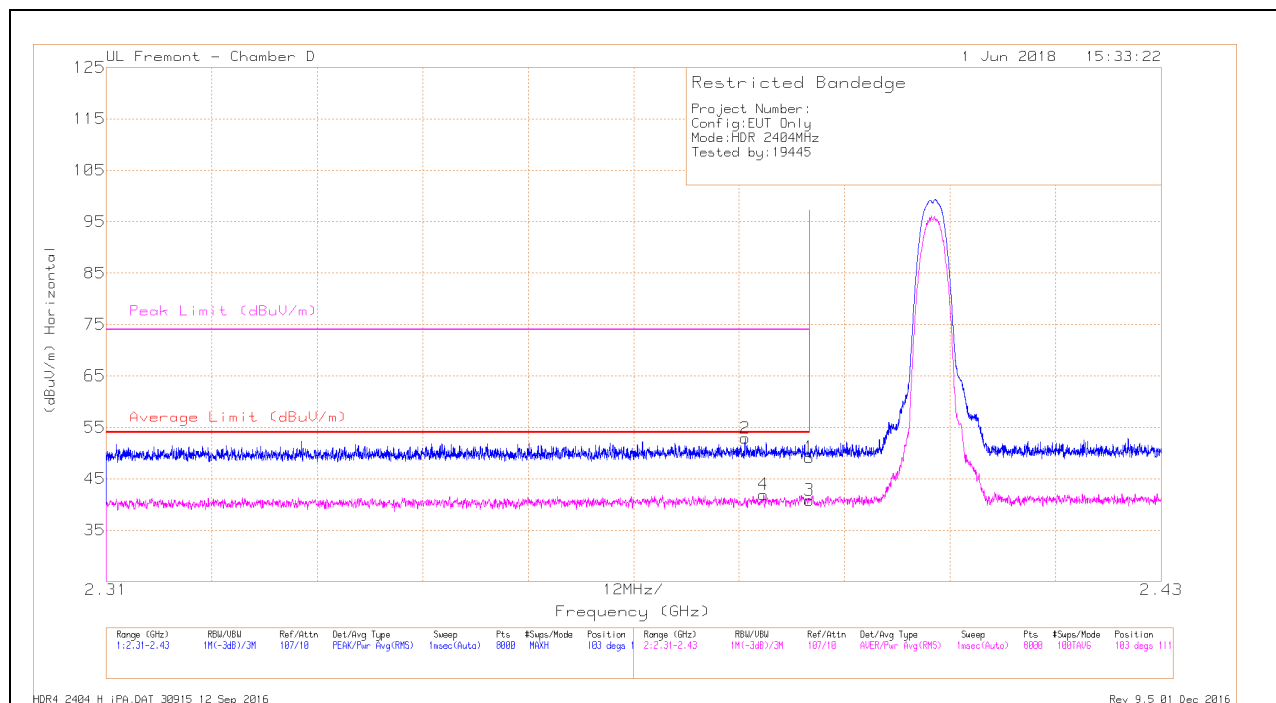
MAv1 - KDB558074 Option 1 Maximum RMS Average

9.2.3. LOW POWER HDR4

Antenna 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



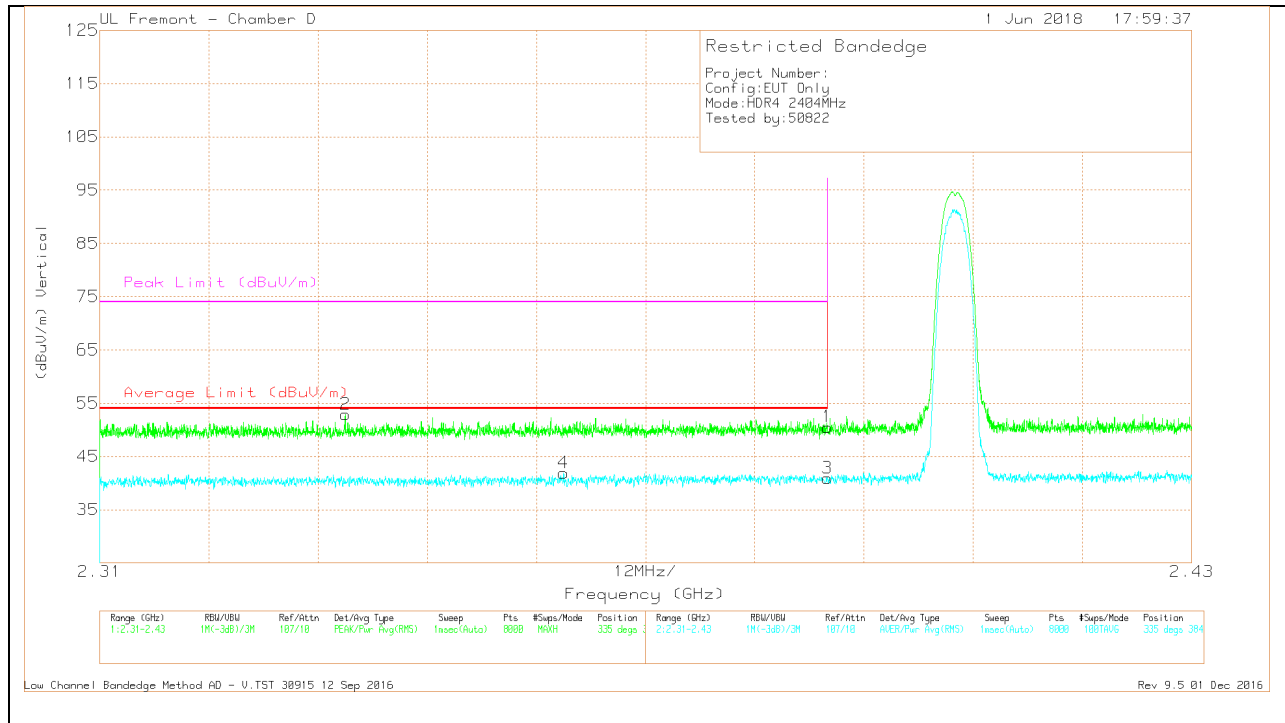
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filt/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	37.74	Pk	31.9	-20.5	49.14	-	-	74	-24.86	103	111	H
2	* 2.383	41.56	Pk	31.8	-20.5	52.86	-	-	74	-21.14	103	111	H
3	* 2.39	29.43	RMS	31.9	-20.5	40.83	54	-13.17	-	-	103	111	H
4	* 2.385	30.54	RMS	31.9	-20.5	41.94	54	-12.06	-	-	103	111	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	* 2.337	41.86	Pk	31.6	-20.6	52.86	-	-	74	-21.14	335	384	V
4	* 2.361	30.79	RMS	31.7	-20.6	41.89	54	-12.11	-	-	335	384	V
1	* 2.39	39.11	Pk	31.9	-20.5	50.51	-	-	74	-23.49	335	384	V
3	* 2.39	29.49	RMS	31.9	-20.5	40.89	54	-13.11	-	-	335	384	V

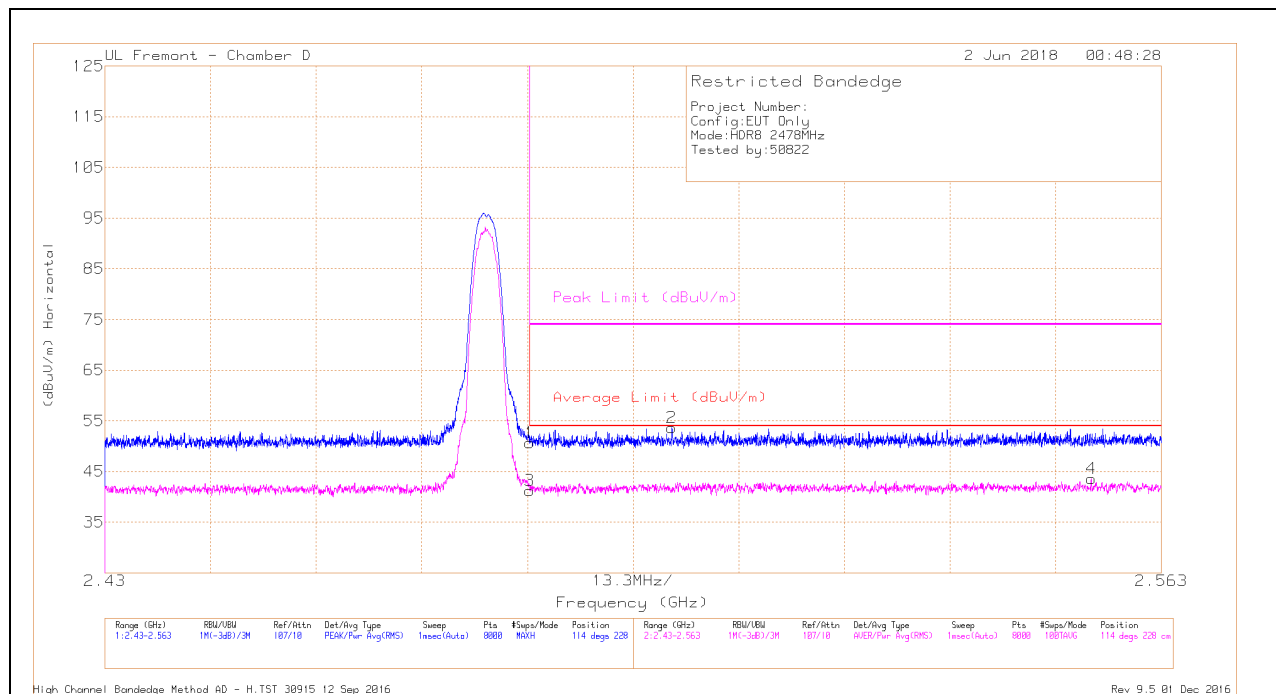
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



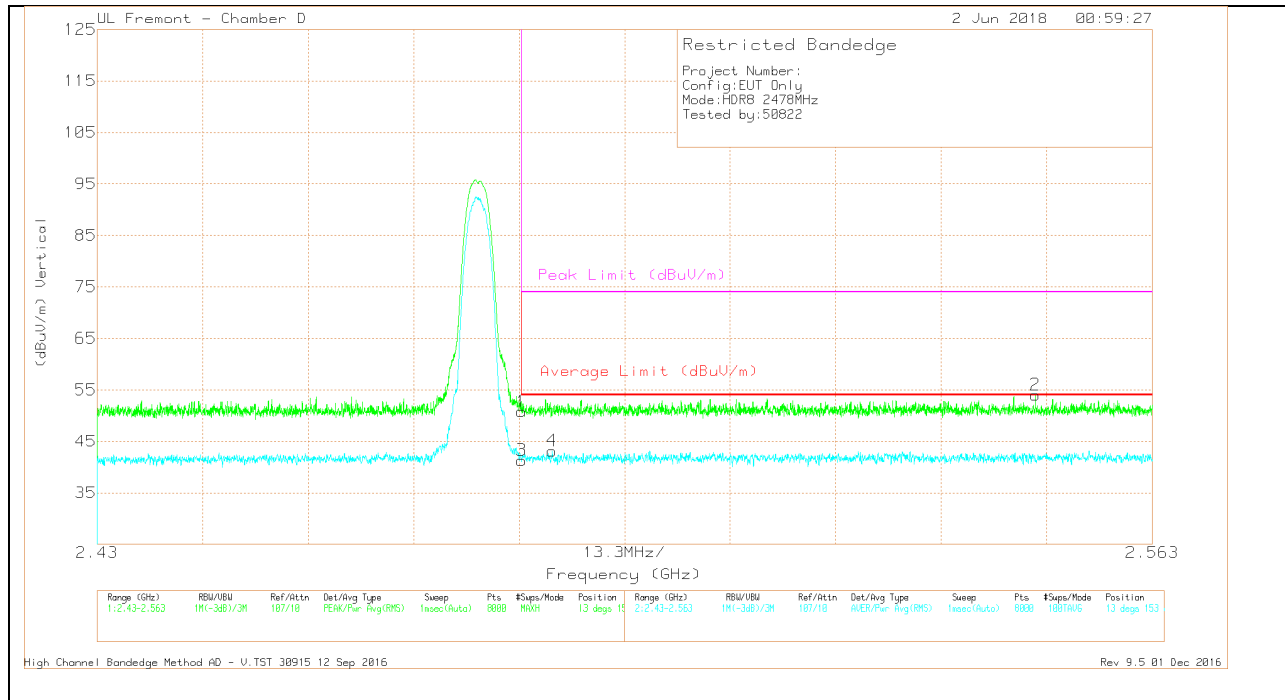
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Fltr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	38.67	Pk	32.4	-20.4	50.67	-	-	74	-23.33	114	228	H
3	* 2.484	29.2	RMS	32.4	-20.4	41.2	54	-12.8	-	-	114	228	H
2	2.501	41.59	Pk	32.4	-20.4	53.59	-	-	74	-20.41	114	228	H
4	2.554	31.43	RMS	32.5	-20.3	43.63	54	-10.37	-	-	114	228	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/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	38.8	Pk	32.4	-20.4	50.8	-	-	74	-23.2	13	153	V
3	* 2.484	29.33	RMS	32.4	-20.4	41.33	54	-12.67	-	-	13	153	V
4	* 2.487	31.27	RMS	32.4	-20.5	43.17	54	-10.83	-	-	13	153	V
2	2.548	41.93	Pk	32.4	-20.3	54.03	-	-	74	-19.97	13	153	V

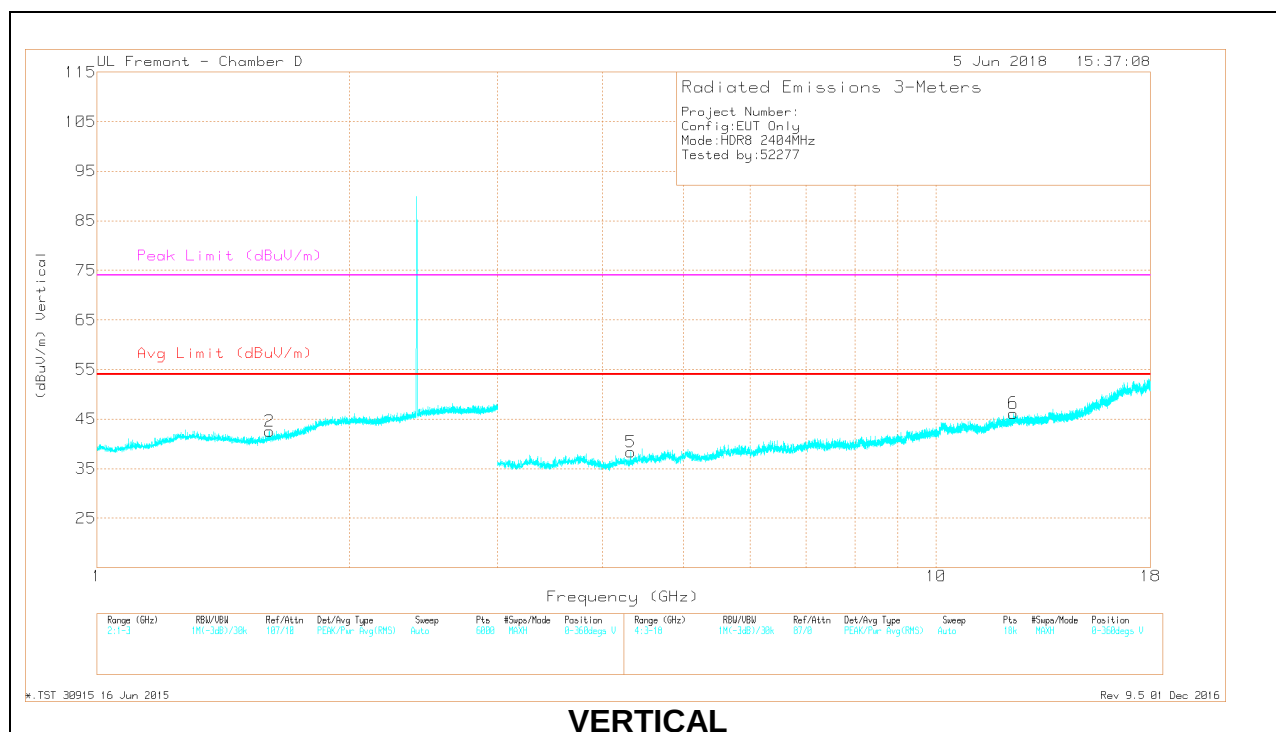
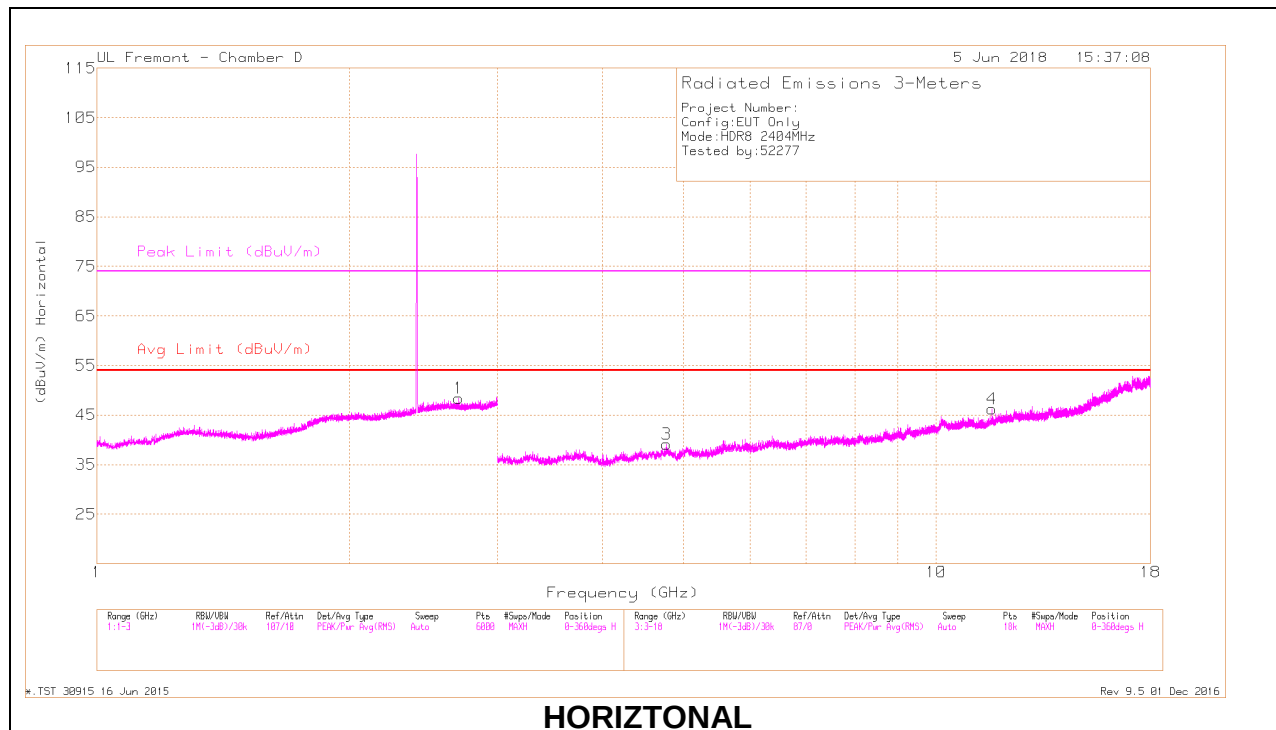
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

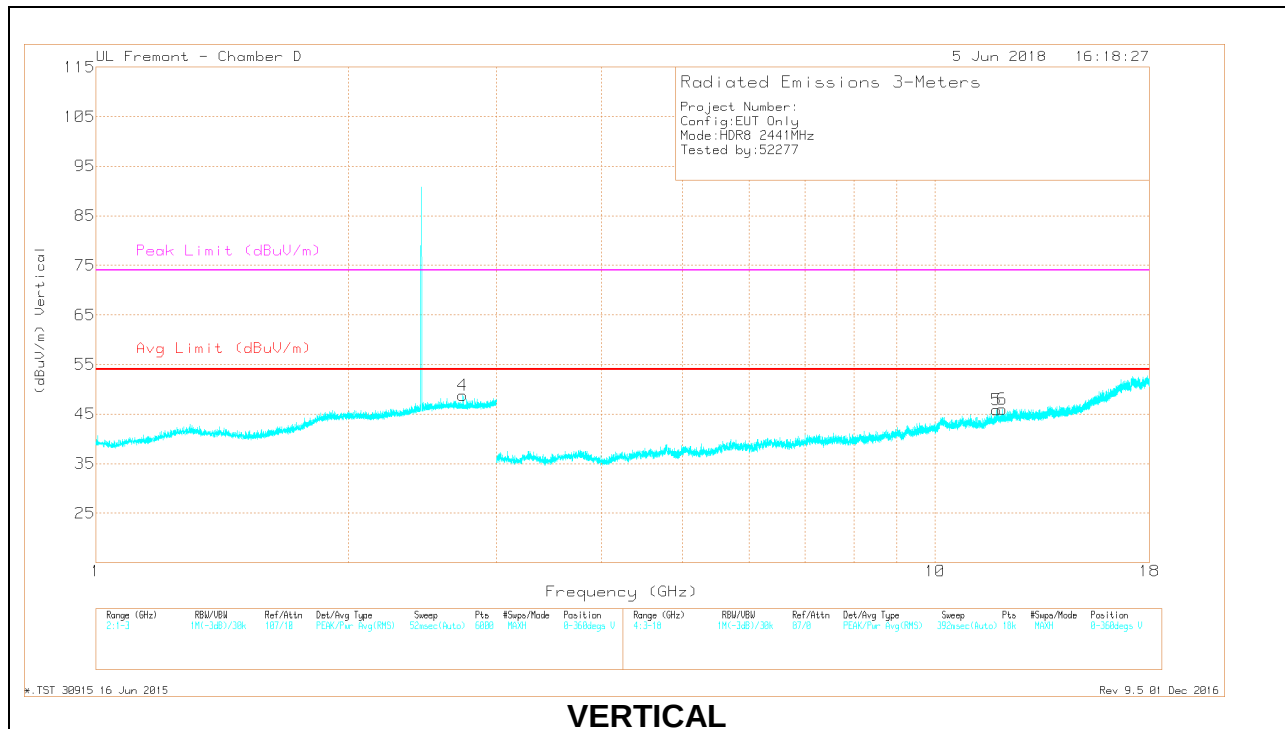
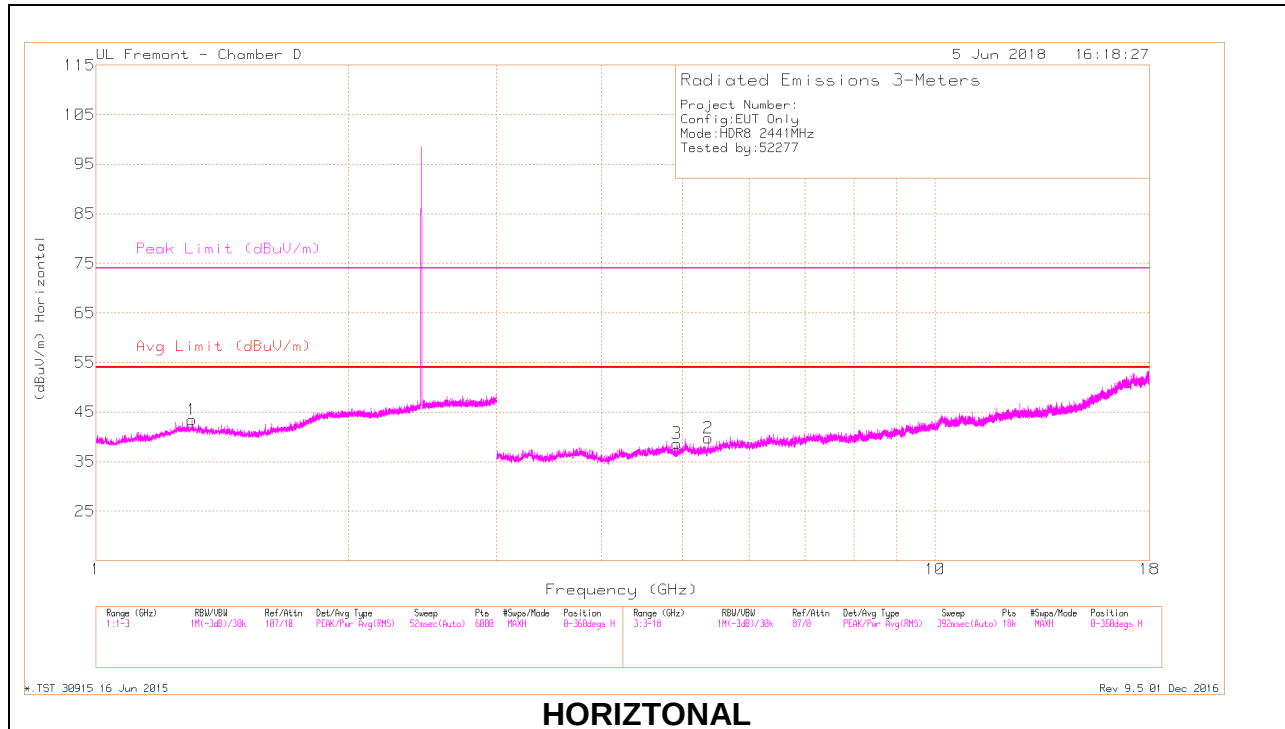
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.698	42.66	PK2	32.6	-20.2	55.06	-	-	74	-18.94	48	212	H
	* 2.697	30.1	MAv1	32.6	-20.3	42.4	54	-11.6	-	-	48	212	H
2	* 1.606	42.11	PK2	28.4	-21.5	49.01	-	-	74	-24.99	236	400	V
	* 1.606	30.16	MAv1	28.4	-21.5	37.06	54	-16.94	-	-	236	400	V
3	* 4.77	38.06	PK2	34.5	-26.3	46.26	-	-	74	-27.74	229	242	H
	* 4.769	25.89	MAv1	34.5	-26.3	34.09	54	-19.91	-	-	229	242	H
4	* 11.656	33.06	PK2	38.4	-19.7	51.76	-	-	74	-22.24	222	366	H
	* 11.656	21.4	MAv1	38.4	-19.7	40.1	54	-13.9	-	-	222	366	H
5	* 4.325	38.8	PK2	34	-28.2	44.6	-	-	74	-29.4	35	312	V
	* 4.328	26.3	MAv1	34	-28.2	32.1	54	-21.9	-	-	35	312	V
6	* 12.352	34.35	PK2	38.9	-20.1	53.15	-	-	74	-20.85	20	352	V
	* 12.351	22	MAv1	38.9	-20.1	40.8	54	-13.2	-	-	20	352	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

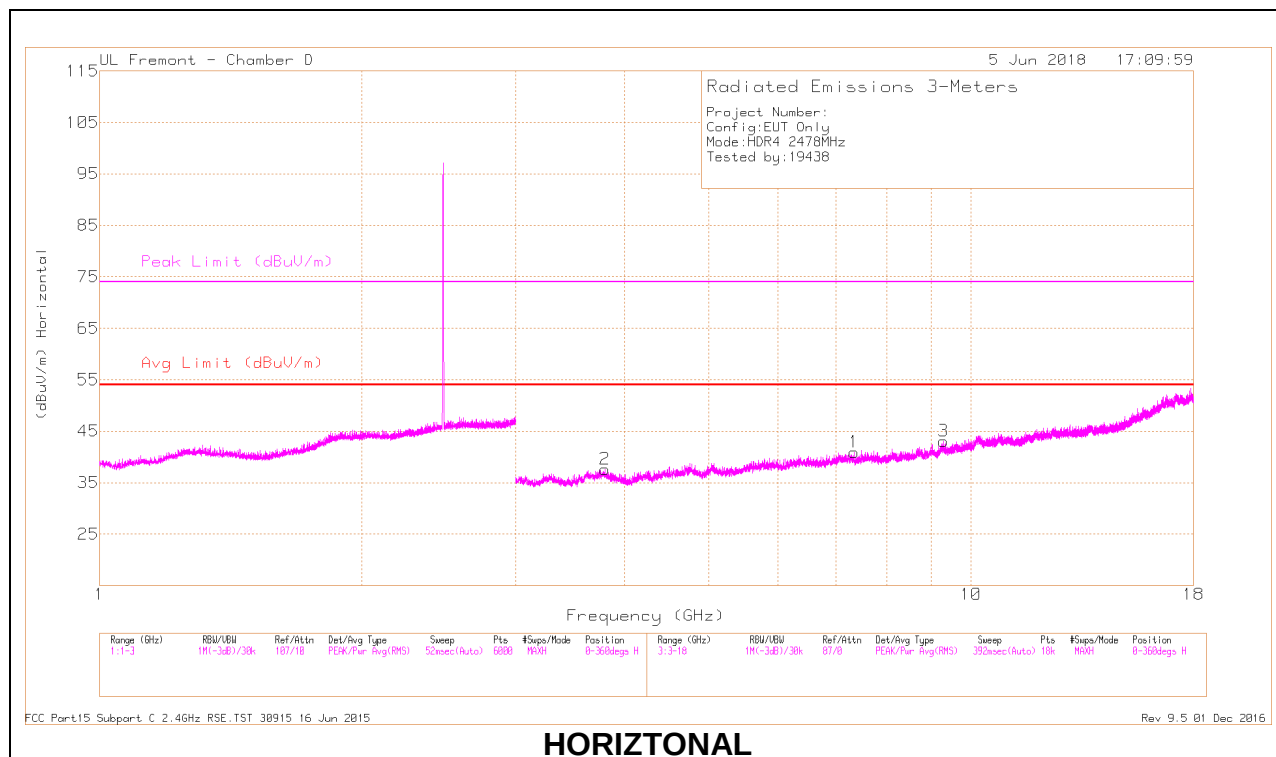
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.302	42.83	PK2	29.3	-22	50.13	-	-	74	-23.87	191	328	H
	* 1.304	30.42	MAv1	29.3	-22	37.72	54	-16.28	-	-	191	328	H
4	* 2.735	42.69	PK2	32.5	-20.2	54.99	-	-	74	-19.01	282	253	V
	* 2.724	30.18	MAv1	32.6	-20.2	42.58	54	-11.42	-	-	282	253	V
2	* 5.366	37.45	PK2	34.9	-27	45.35	-	-	74	-28.65	125	316	H
	* 5.368	26.09	MAv1	34.9	-27	33.99	54	-20.01	-	-	125	316	H
3	* 4.935	37.64	PK2	34.3	-27.6	44.34	-	-	74	-29.66	247	171	H
	* 4.928	26.56	MAv1	34.3	-27.6	33.26	54	-20.74	-	-	247	171	H
5	* 11.843	33.06	PK2	38.6	-19.9	51.76	-	-	74	-22.24	4	118	V
	* 11.847	21.63	MAv1	38.6	-19.8	40.43	54	-13.57	-	-	4	118	V
6	* 12.021	34.04	PK2	38.8	-20.5	52.34	-	-	74	-21.66	224	288	V
	* 12.026	22.6	MAv1	38.8	-20.5	40.9	54	-13.1	-	-	224	288	V

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

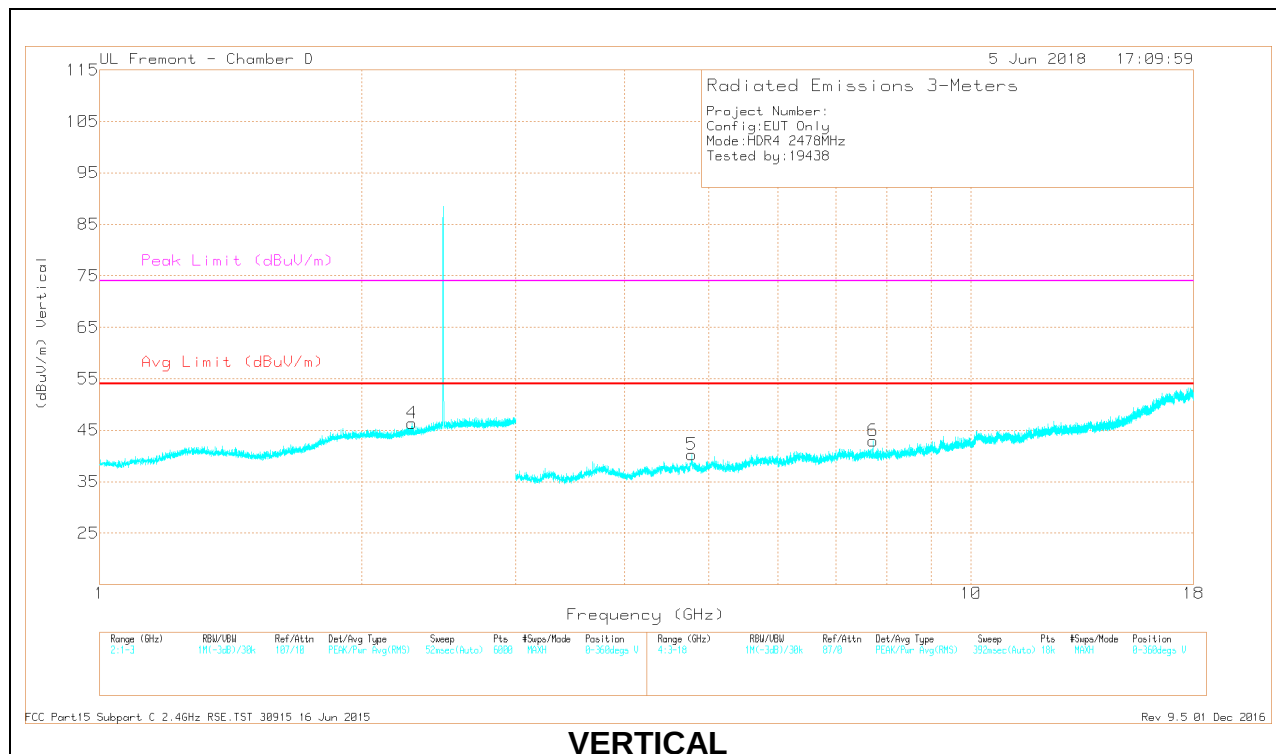
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



HORIZTONTAL



VERTICAL

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	* 2.282	41.43	PK2	31.5	-20.7	52.23	-	-	74	-21.77	275	173	V
	* 2.283	30.1	MAv1	31.5	-20.7	40.9	54	-13.1	-	-	275	173	V
1	* 7.338	36.6	PK2	36.1	-24.4	48.3	-	-	74	-25.7	157	284	H
	* 7.337	25.06	MAv1	36.1	-24.5	36.66	54	-17.34	-	-	157	284	H
2	* 3.795	38.36	PK2	33.6	-28	43.96	-	-	74	-30.04	20	239	H
	* 3.822	26.49	MAv1	33.6	-28.1	31.99	54	-22.01	-	-	20	239	H
5	* 4.777	37.96	PK2	34.5	-26.2	46.26	-	-	74	-27.74	38	343	V
	* 4.778	26.17	MAv1	34.5	-26.2	34.47	54	-19.53	-	-	38	343	V
6	* 7.727	36.01	PK2	35.9	-24.1	47.81	-	-	74	-26.19	154	238	V
	* 7.718	24.34	MAv1	36	-24.2	36.14	54	-17.86	-	-	154	238	V
3	9.3	34.36	PK2	36.4	-20.4	50.36	-	-	-	-	219	381	H

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

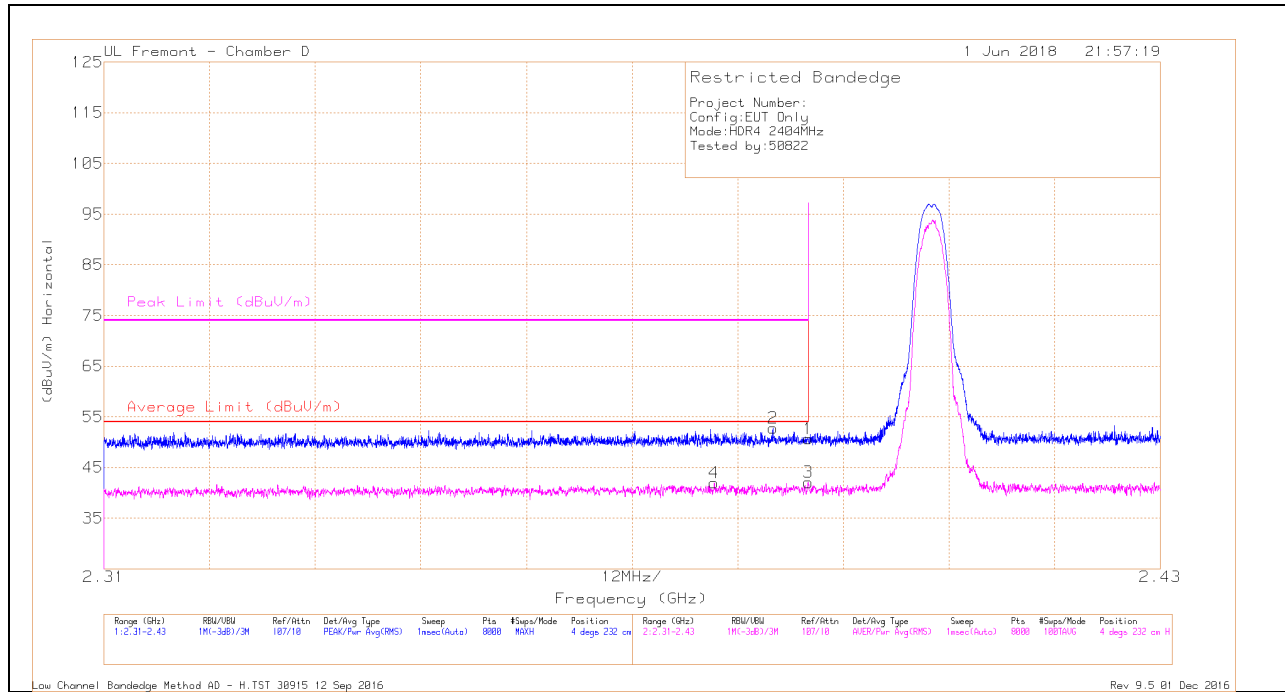
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

Antenna 3

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



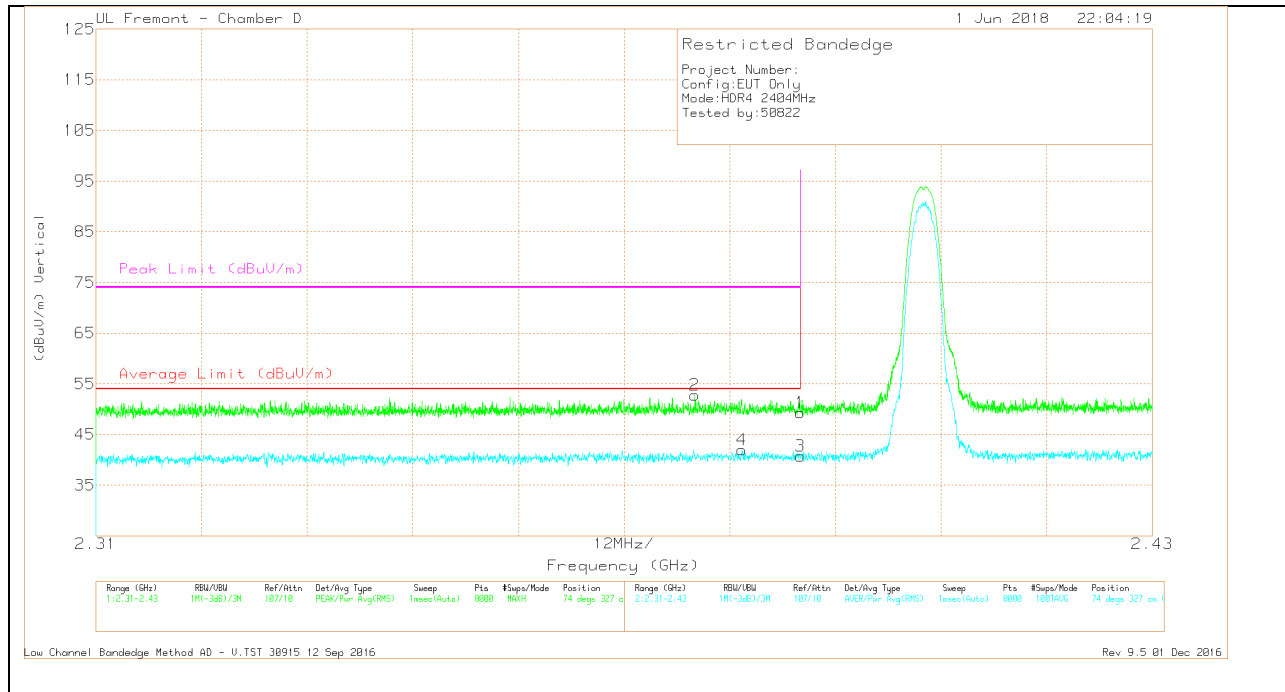
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	39.22	Pk	31.9	-20.5	50.62	-	-	74	-23.38	4	232	H
2	* 2.386	41.41	Pk	31.9	-20.5	52.81	-	-	74	-21.19	4	232	H
3	* 2.39	30.64	RMS	31.9	-20.5	42.04	54	-11.96	-	-	4	232	H
4	* 2.379	30.6	RMS	31.8	-20.4	42	54	-12	-	-	4	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/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	* 2.39	37.85	Pk	31.9	-20.5	49.25	-	-	74	-24.75	74	327	V
2	* 2.378	41.36	Pk	31.8	-20.4	52.76	-	-	74	-21.24	74	327	V
3	* 2.39	29.35	RMS	31.9	-20.5	40.75	54	-13.25	-	-	74	327	V
4	* 2.383	30.63	RMS	31.8	-20.5	41.93	54	-12.07	-	-	74	327	V

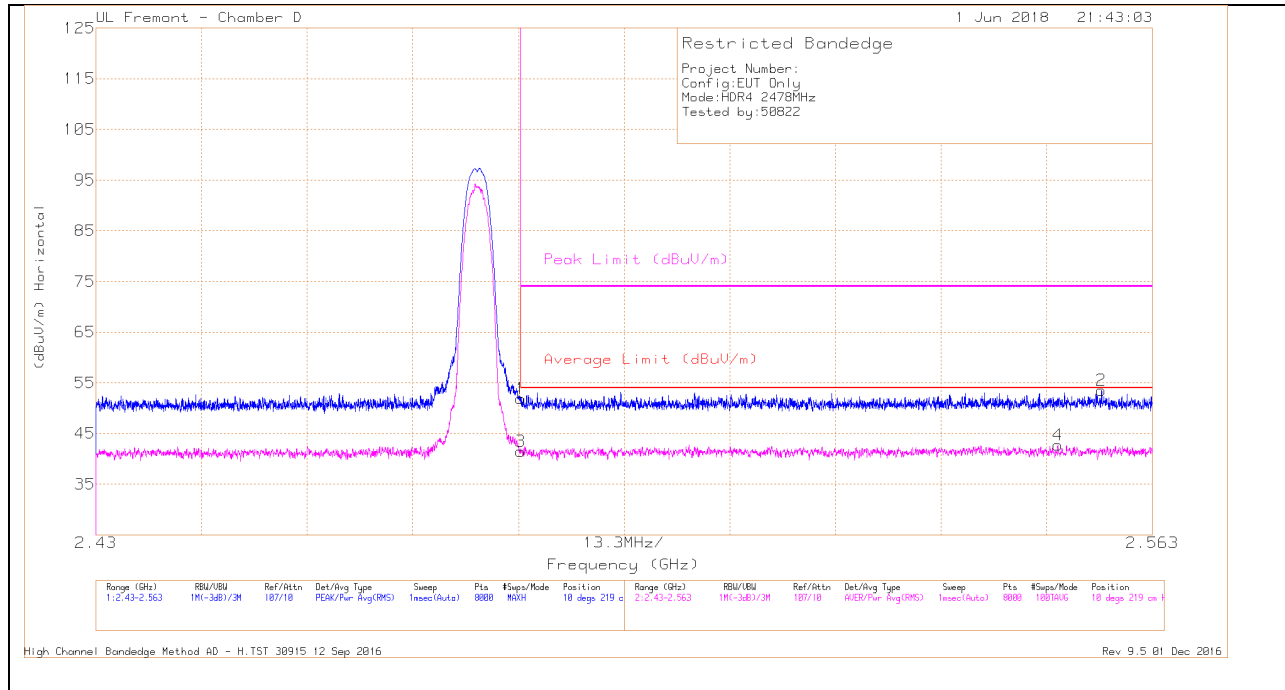
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



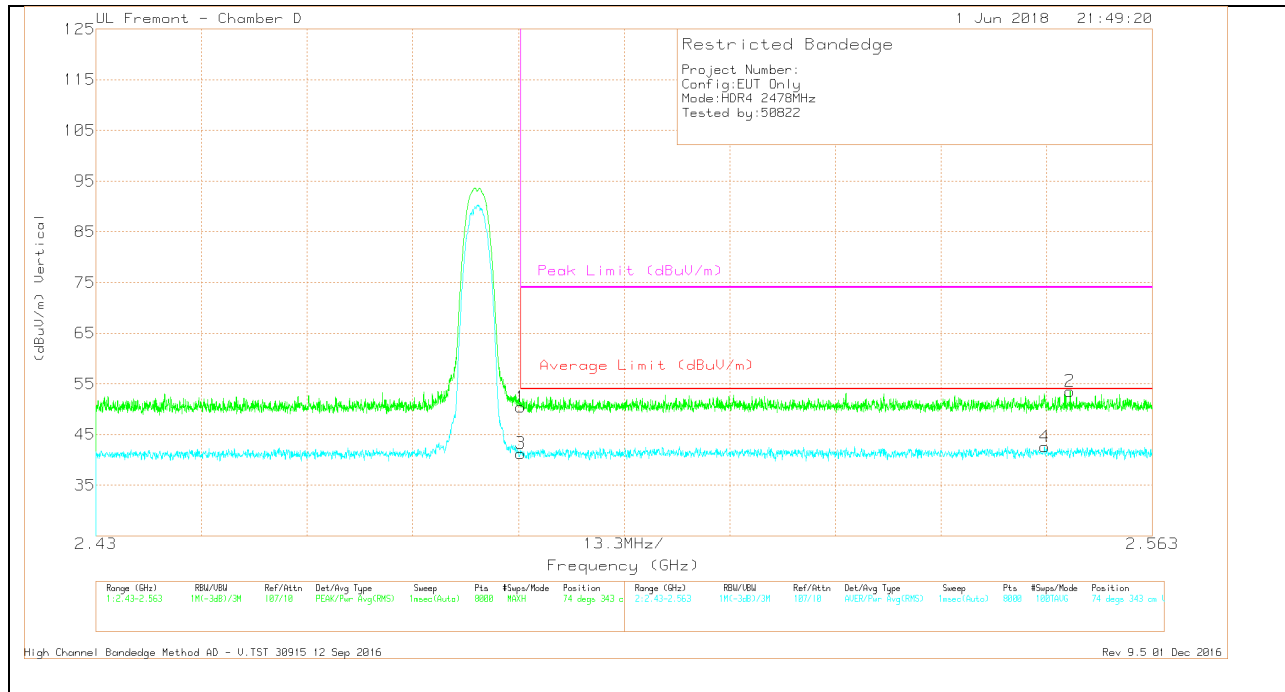
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Fltr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	39.91	Pk	32.4	-20.4	51.91	-	-	74	-22.09	10	219	H
3	* 2.484	29.53	RMS	32.4	-20.4	41.53	54	-12.47	-	-	10	219	H
4	2.551	30.7	RMS	32.4	-20.4	42.7	54	-11.3	-	-	10	219	H
2	2.557	41.22	Pk	32.5	-20.2	53.52	-	-	74	-20.48	10	219	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/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	38.45	Pk	32.4	-20.4	50.45	-	-	74	-23.55	74	343	V
3	* 2.484	29.29	RMS	32.4	-20.4	41.29	54	-12.71	-	-	74	343	V
4	2.549	30.54	RMS	32.4	-20.3	42.64	54	-11.36	-	-	74	343	V
2	2.553	41.48	Pk	32.4	-20.3	53.58	-	-	74	-20.42	74	343	V

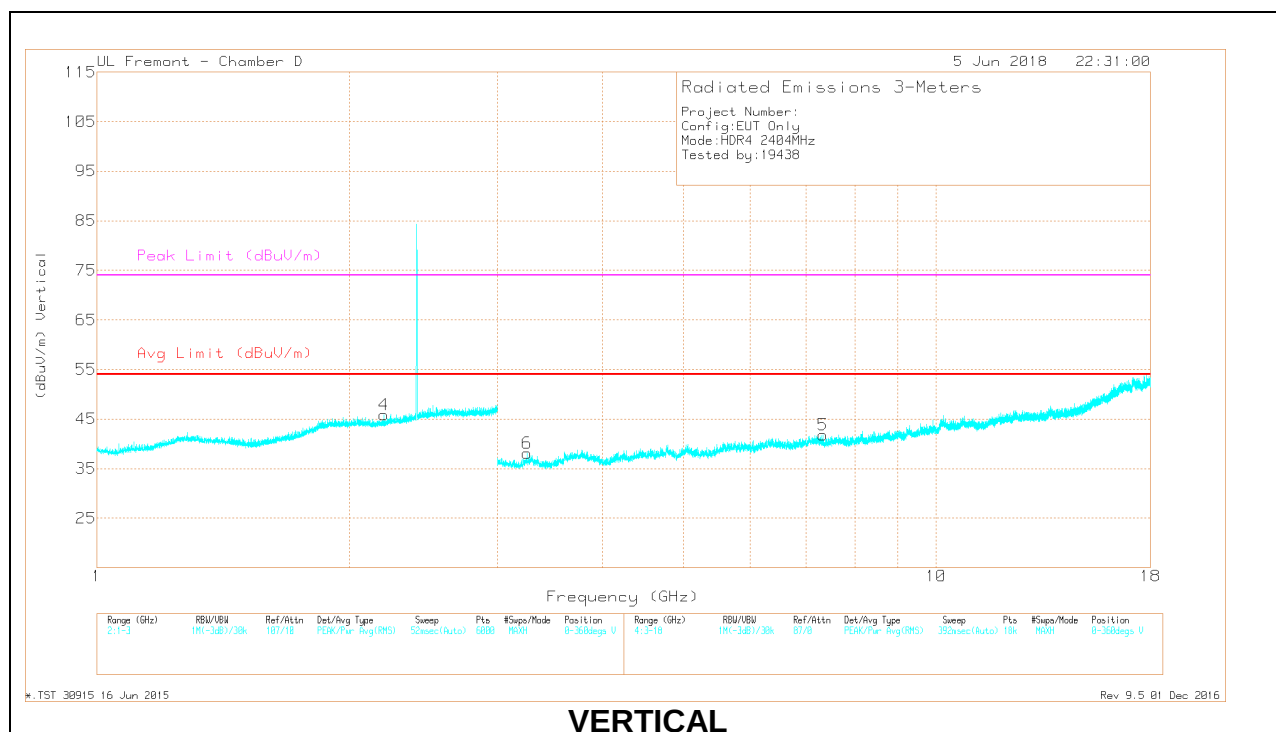
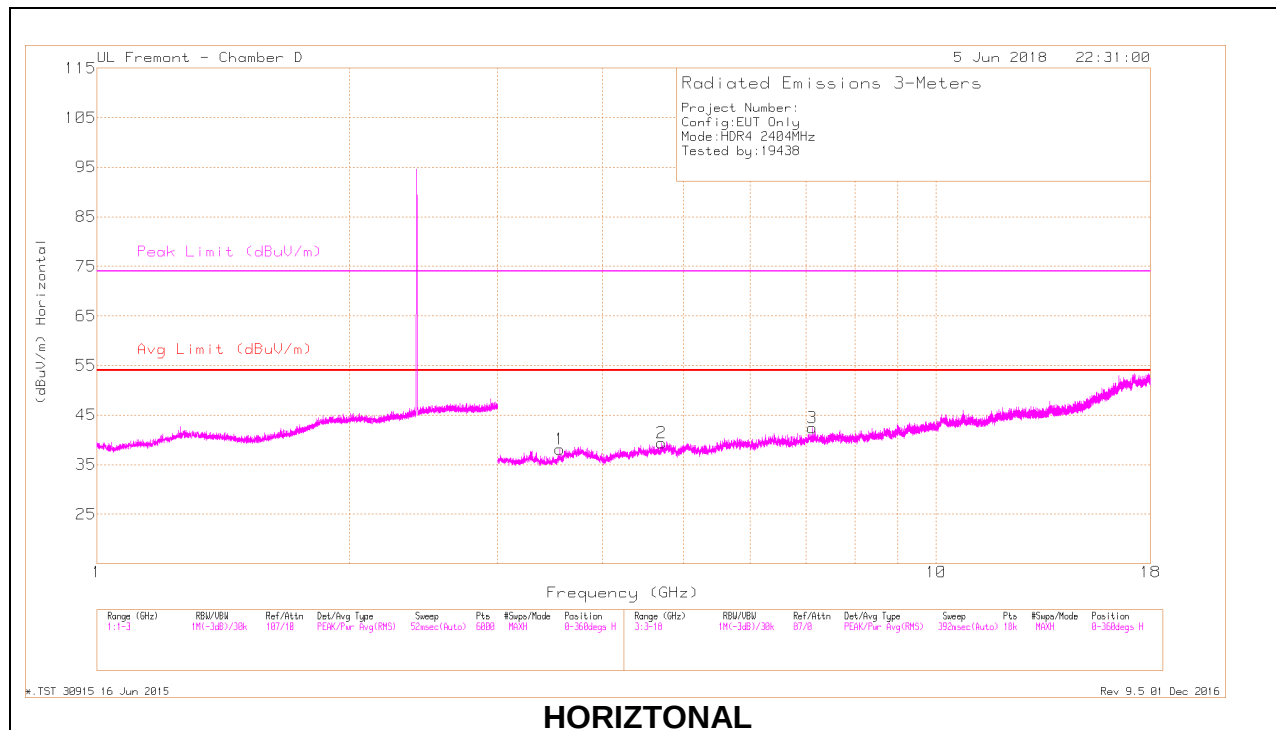
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

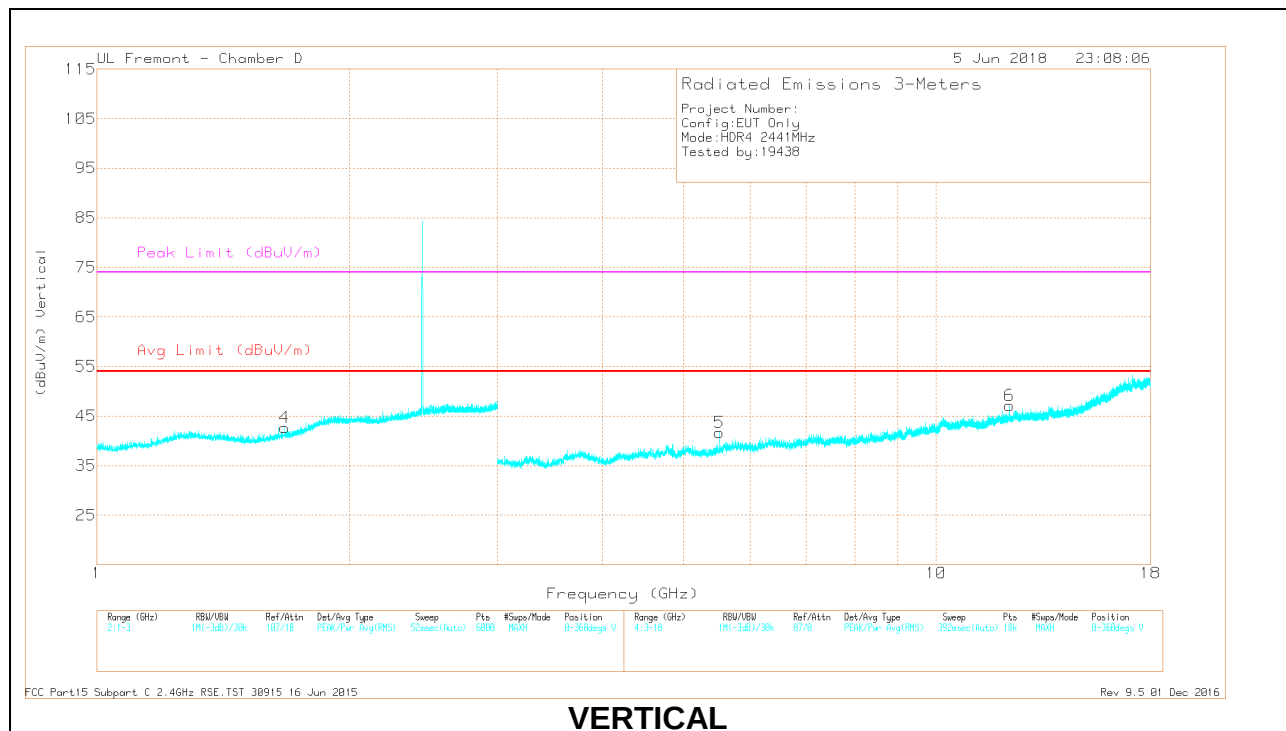
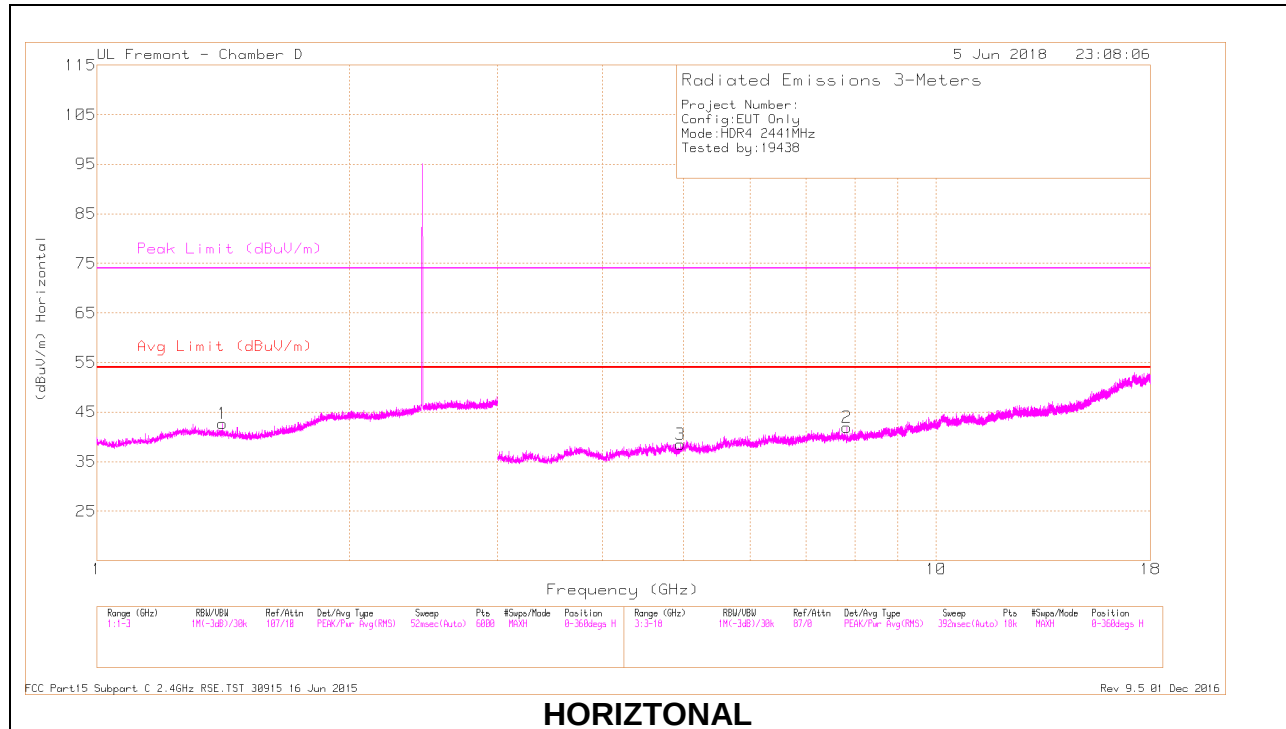
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.56	39.5	PK2	33.4	-27.9	45	-	-	74	-29	236	184	H
	* 3.558	27.84	MAv1	33.4	-27.9	33.34	54	-20.66	-	-	236	184	H
2	* 4.719	38.26	PK2	34.6	-26.8	46.06	-	-	74	-27.94	282	103	H
	* 4.708	27.22	MAv1	34.6	-27.1	34.72	54	-19.28	-	-	282	103	H
5	* 7.353	36.84	PK2	36.1	-24.6	48.34	-	-	74	-25.66	312	249	V
	* 7.326	25.48	MAv1	36.1	-24.5	37.08	54	-16.92	-	-	312	249	V
4	2.199	42.28	PK2	31.2	-20.8	52.68	-	-	-	-	172	276	V
6	3.237	39.61	PK2	33.2	-28.3	44.51	-	-	-	-	31	191	V
3	7.133	36.37	PK2	36.3	-24.7	47.97	-	-	-	-	197	209	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

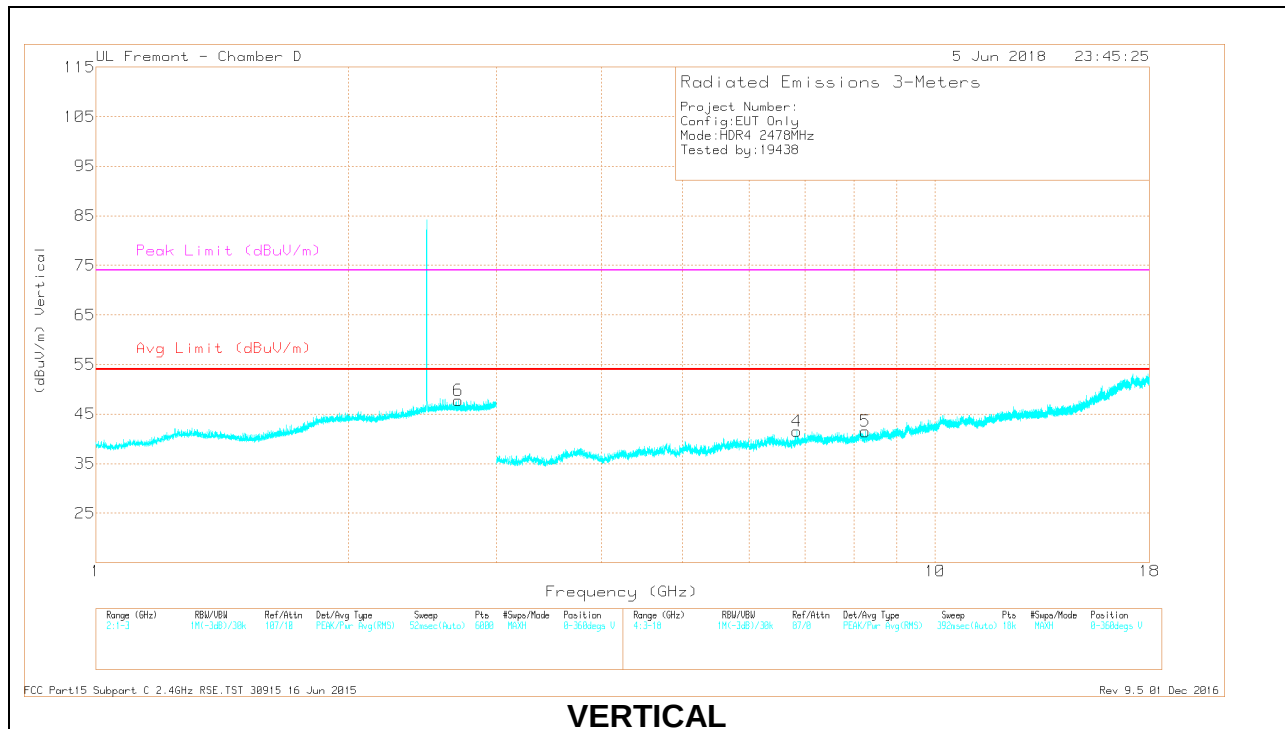
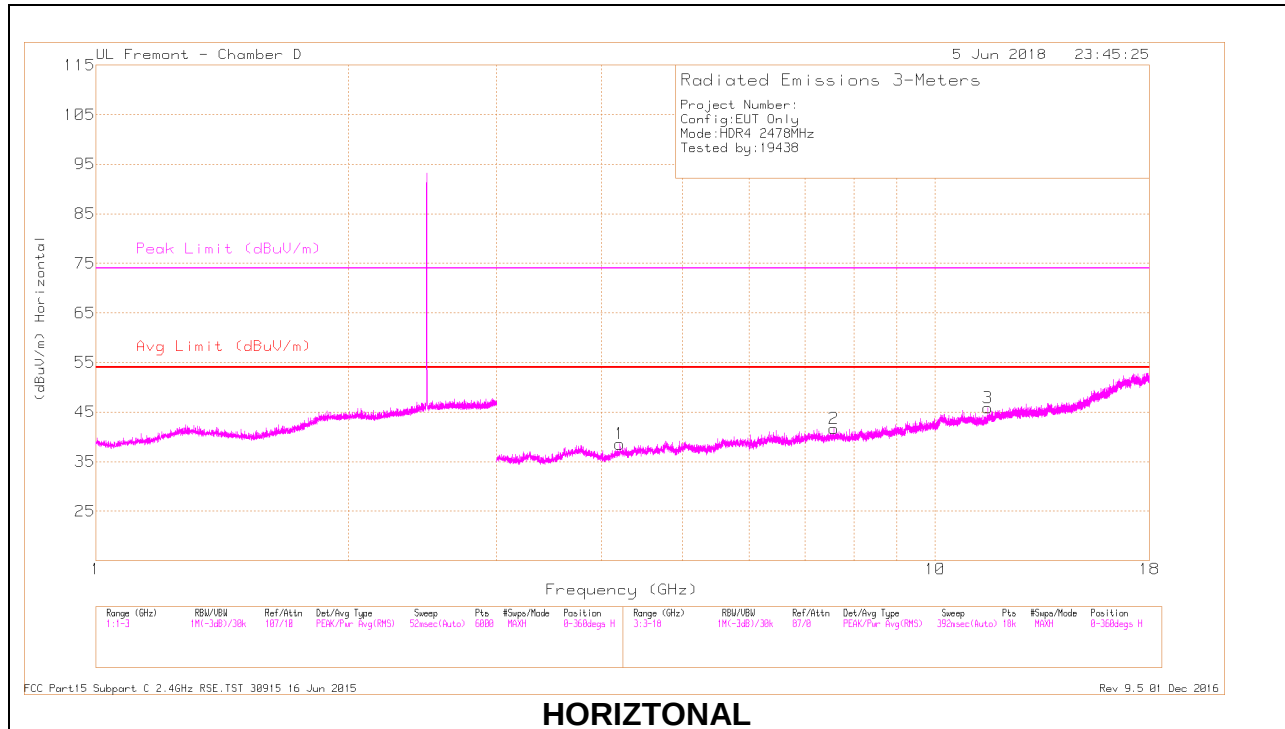
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.41	42.05	PK2	28.7	-21.8	48.95	-	-	74	-25.05	109	361	H
	* 1.412	29.77	MAv1	28.7	-21.8	36.67	54	-17.33	-	-	109	361	H
4	* 1.674	41.74	PK2	28.9	-21.4	49.24	-	-	74	-24.76	207	309	V
	* 1.673	30.21	MAv1	28.9	-21.4	37.71	54	-16.29	-	-	207	309	V
3	* 4.961	37.44	PK2	34.3	-27.1	44.64	-	-	74	-29.36	28	102	H
	* 4.937	26.46	MAv1	34.3	-27.6	33.16	54	-20.84	-	-	28	102	H
6	* 12.249	33.9	PK2	38.9	-20.3	52.5	-	-	74	-21.5	342	105	V
	* 12.25	22.19	MAv1	38.9	-20.3	40.79	54	-13.21	-	-	342	105	V
5	5.517	37.36	PK2	35	-27	45.36	-	-	-	-	143	249	V
2	7.821	35.19	PK2	35.8	-23.8	47.19	-	-	-	-	127	230	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
6	* 2.703	41.69	PK2	32.6	-20.3	53.99	-	-	74	-20.01	307	284	V
	* 2.701	29.53	MAv1	32.6	-20.2	41.93	54	-12.07	-	-	307	284	V
1	* 4.197	37.16	PK2	33.7	-27.3	43.56	-	-	74	-30.44	150	352	H
	* 4.216	26.2	MAv1	33.8	-27.3	32.7	54	-21.3	-	-	150	352	H
2	* 7.584	35.64	PK2	36.3	-24.5	47.44	-	-	74	-26.56	263	269	H
	* 7.563	24.12	MAv1	36.3	-24.3	36.12	54	-17.88	-	-	263	269	H
3	* 11.544	33.38	PK2	38.1	-19.9	51.58	-	-	74	-22.42	308	111	H
	* 11.564	21.78	MAv1	38.2	-19.9	40.08	54	-13.92	-	-	308	111	H
5	* 8.251	35.71	PK2	35.9	-23.6	48.01	-	-	74	-25.99	245	327	V
	* 8.259	24.63	MAv1	35.9	-23.8	36.73	54	-17.27	-	-	245	327	V
4	6.845	36.48	PK2	36.1	-25.4	47.18	-	-	-	-	147	158	V

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

PK2 - KDB558074 Method: Maximum Peak

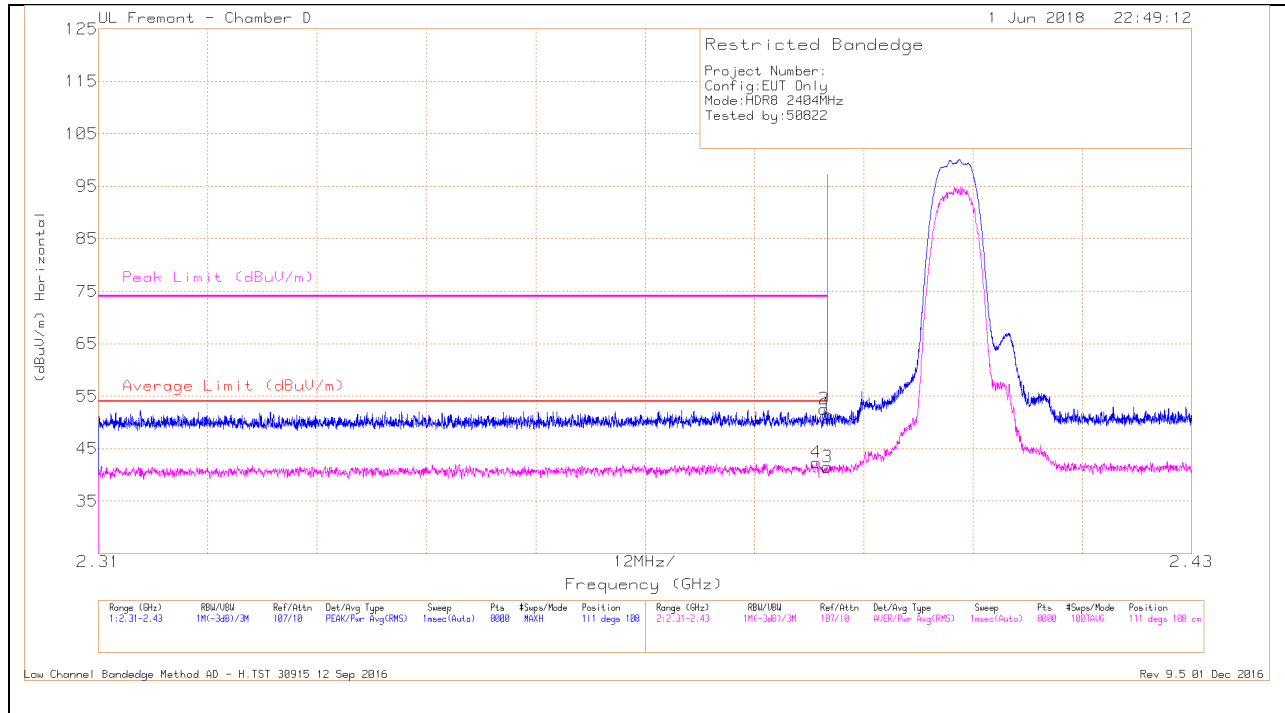
MAv1 - KDB558074 Option 1 Maximum RMS Average

9.2.4. LOW POWER HDR8

Antenna 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



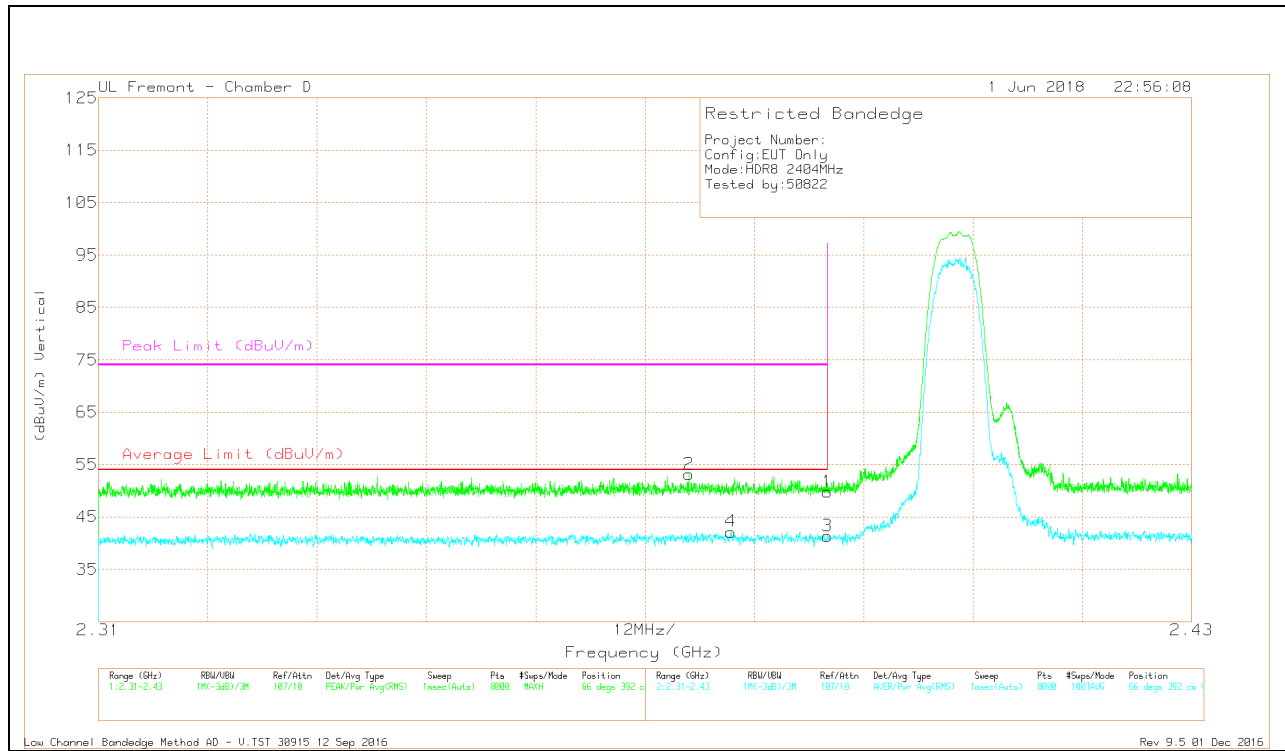
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 2.389	30.95	RMS	31.9	-20.5	42.35	54	-11.65	-	-	111	108	H
1	* 2.39	40.19	Pk	31.9	-20.5	51.59	-	-	74	-22.41	111	108	H
2	* 2.39	41.09	Pk	31.9	-20.5	52.49	-	-	74	-21.51	111	108	H
3	* 2.39	30.03	RMS	31.9	-20.5	41.43	54	-12.57	-	-	111	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/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	* 2.375	41.86	Pk	31.8	-20.5	53.16	-	-	74	-20.84	66	392	V
4	* 2.379	30.76	RMS	31.8	-20.4	42.16	54	-11.84	-	-	66	392	V
1	* 2.39	38.39	Pk	31.9	-20.5	49.79	-	-	74	-24.21	66	392	V
3	* 2.39	29.93	RMS	31.9	-20.5	41.33	54	-12.67	-	-	66	392	V

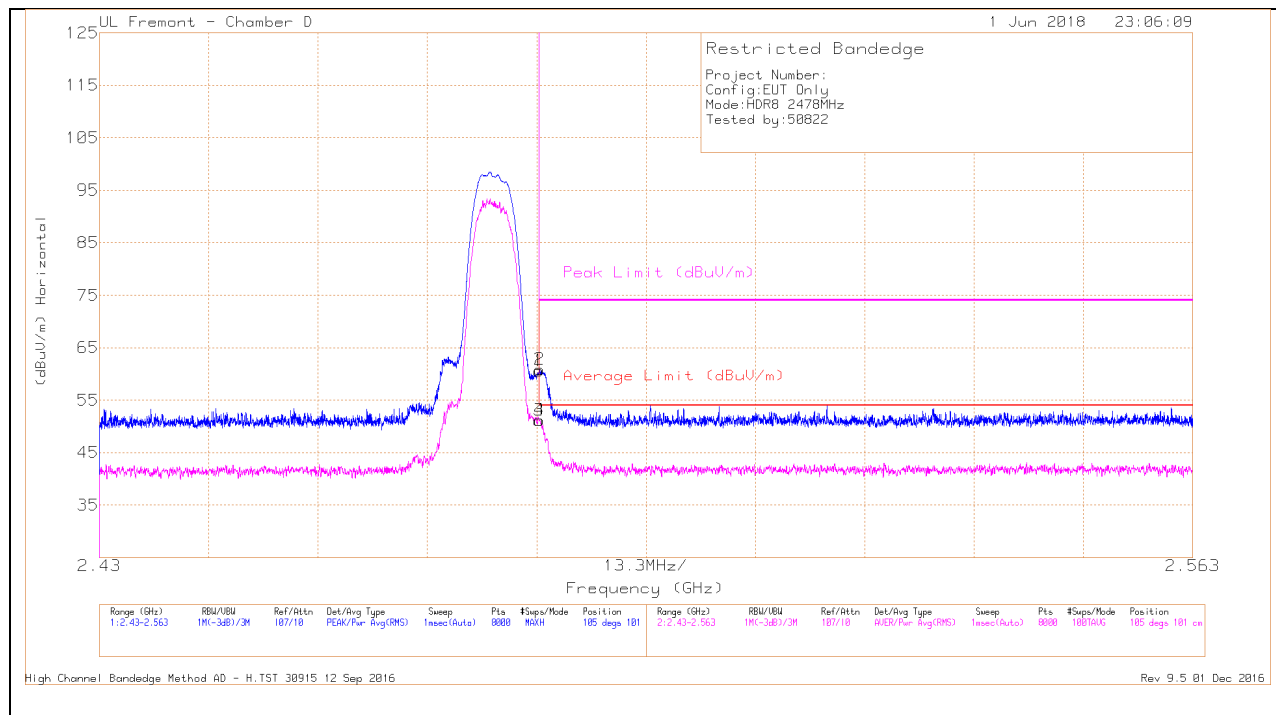
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



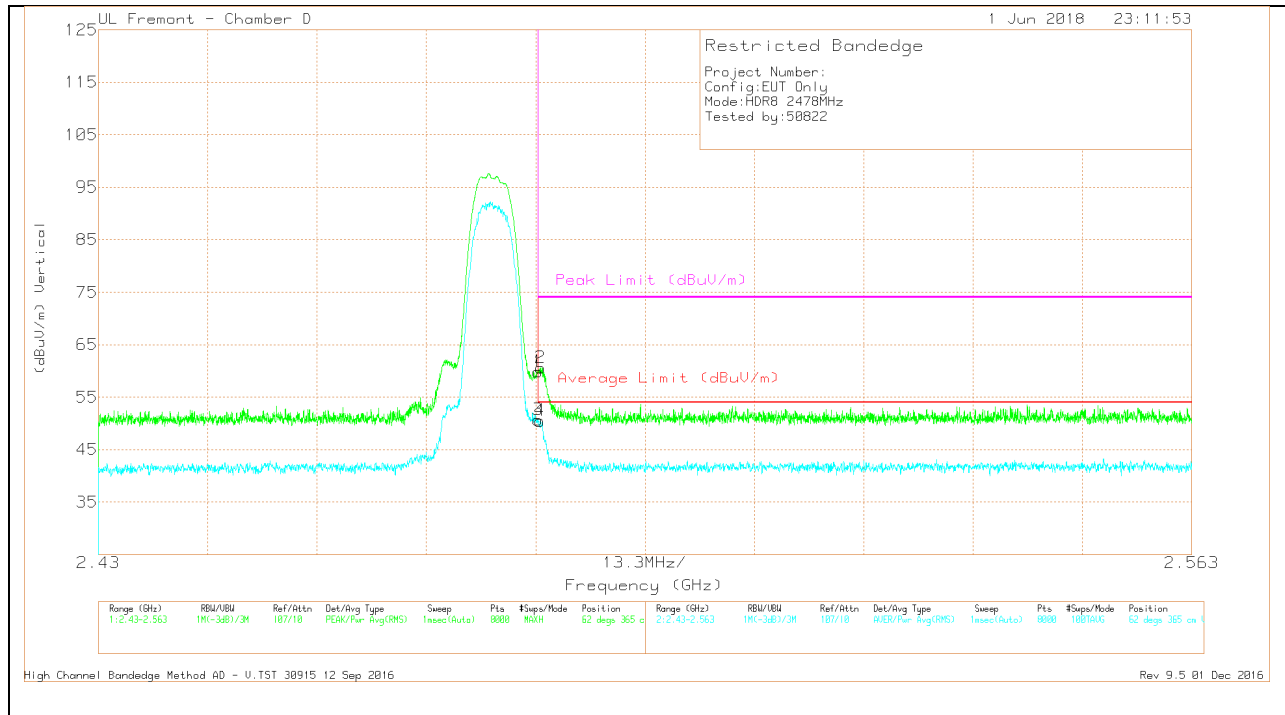
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	48.59	Pk	32.4	-20.4	60.59	-	-	74	-13.41	105	101	H
2	* 2.484	48.9	Pk	32.4	-20.5	60.8	-	-	74	-13.2	105	101	H
3	* 2.484	39.13	RMS	32.4	-20.4	51.13	54	-2.87	-	-	105	101	H
4	* 2.484	39.23	RMS	32.4	-20.5	51.13	54	-2.87	-	-	105	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/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	47.9	Pk	32.4	-20.4	59.9	-	-	74	-14.1	62	365	V
2	* 2.484	48.66	Pk	32.4	-20.5	60.56	-	-	74	-13.44	62	365	V
3	* 2.484	38.67	RMS	32.4	-20.4	50.67	54	-3.33	-	-	62	365	V
4	* 2.484	38.58	RMS	32.4	-20.5	50.48	54	-3.52	-	-	62	365	V

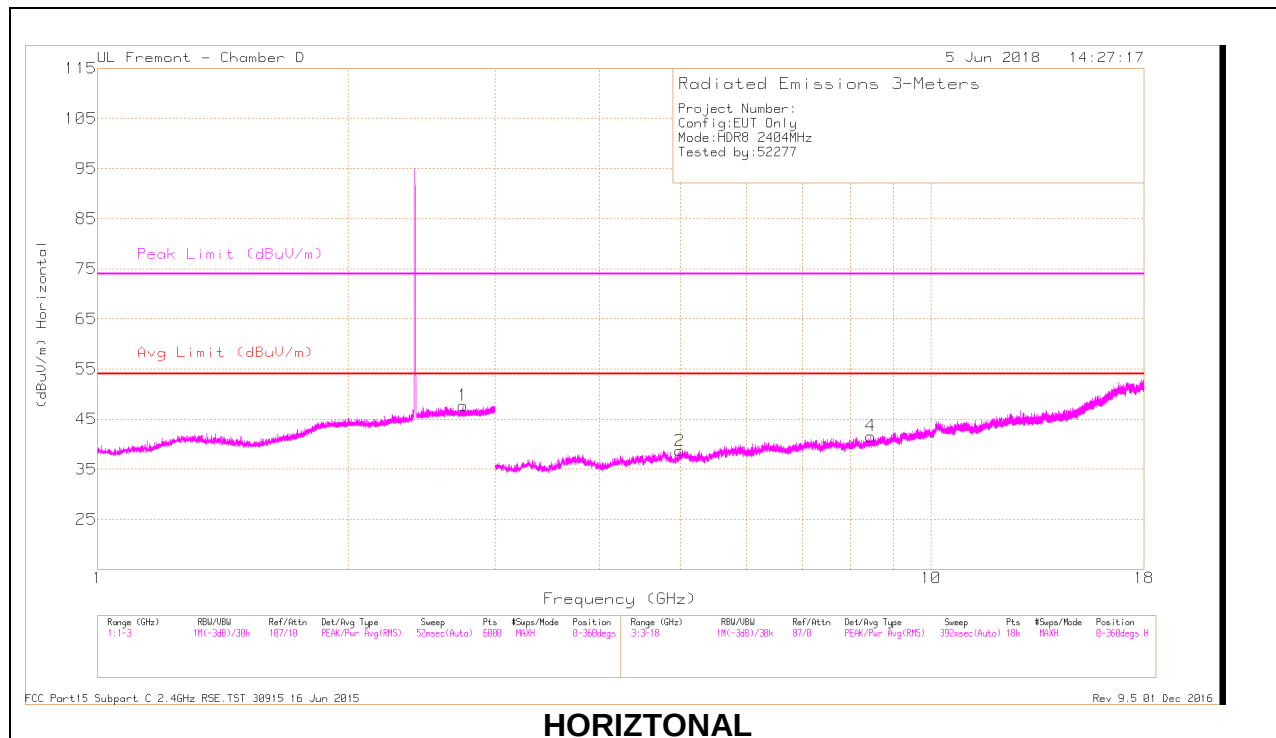
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

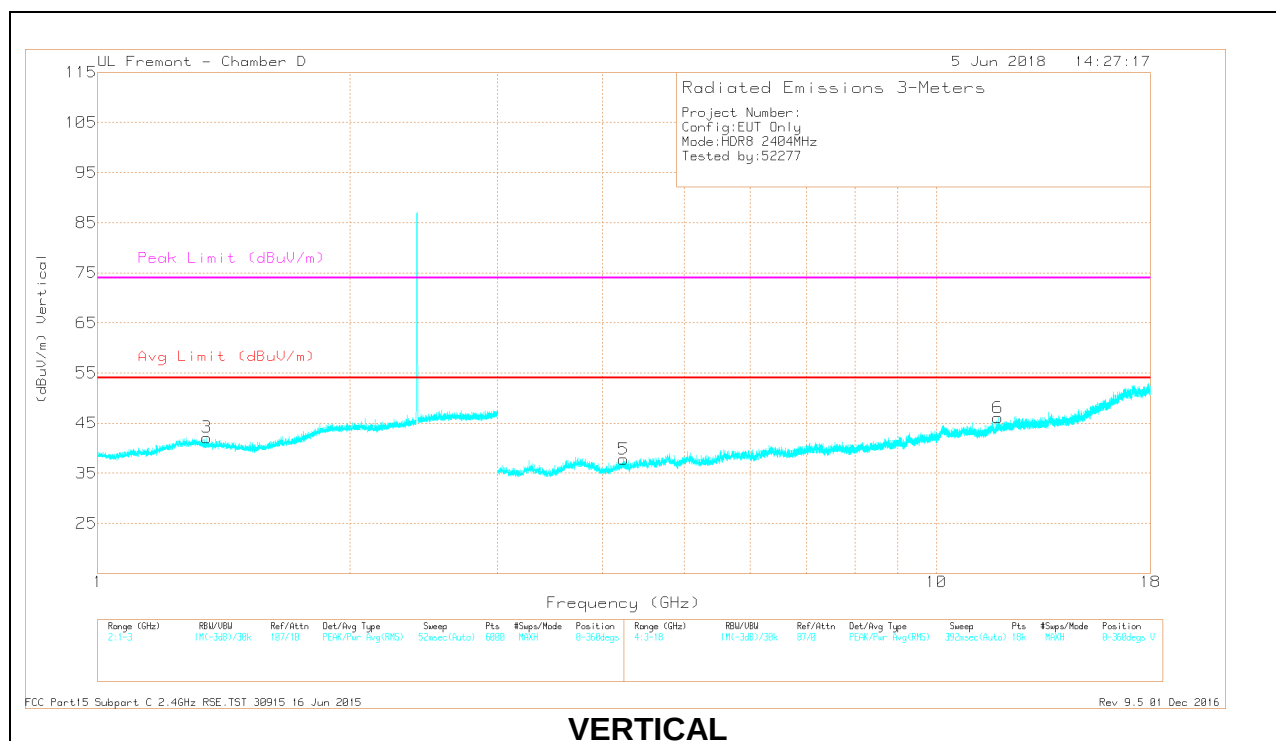
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

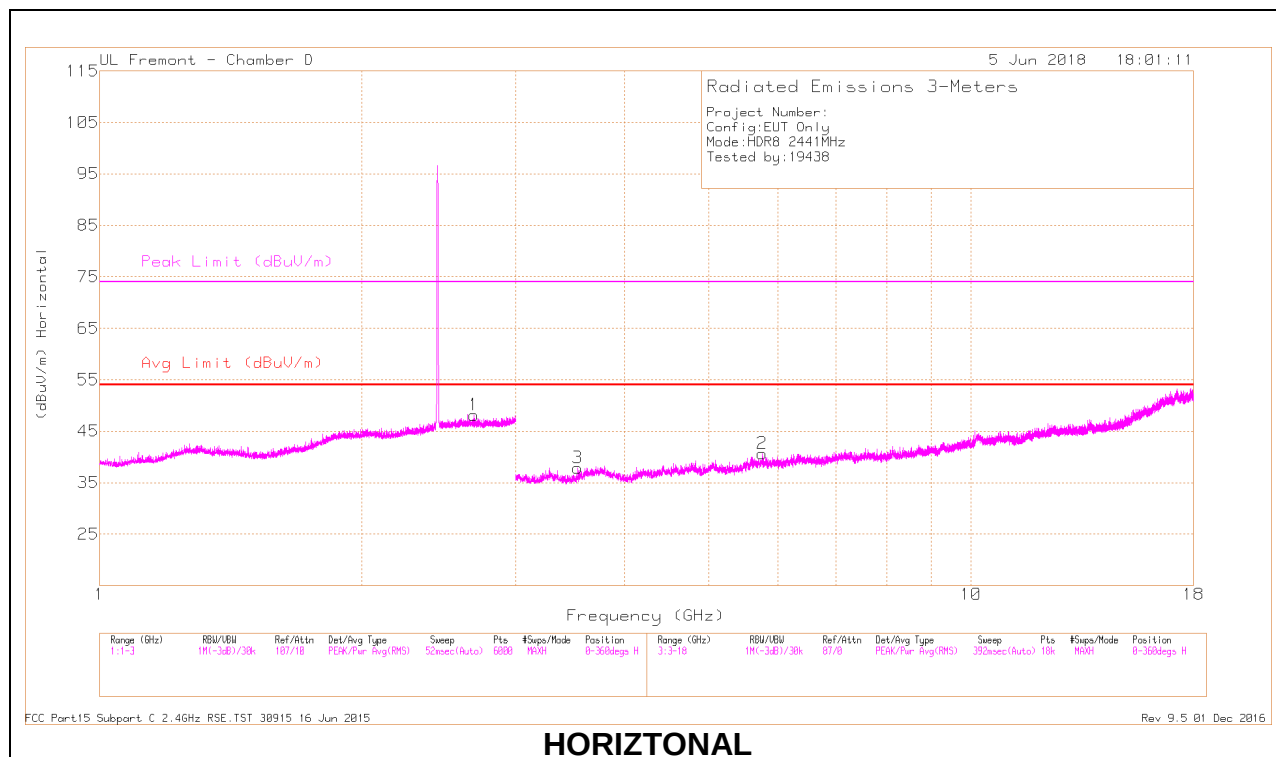
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.747	41.66	PK2	32.5	-20.1	54.06	-	-	74	-19.94	248	286	H
	* 2.744	29.46	MAv1	32.5	-20.1	41.86	54	-12.14	-	-	248	286	H
3	* 1.348	42.16	PK2	28.9	-21.9	49.16	-	-	74	-24.84	142	149	V
	* 1.348	29.73	MAv1	28.9	-21.9	36.73	54	-17.27	-	-	142	149	V
2	* 4.999	37.26	PK2	34.3	-26.6	44.96	-	-	74	-29.04	21	329	H
	* 4.999	25.37	MAv1	34.3	-26.5	33.17	54	-20.83	-	-	21	329	H
4	* 8.467	36.19	PK2	35.9	-23.1	48.99	-	-	74	-25.01	30	319	H
	* 8.466	24.15	MAv1	35.9	-23.1	36.95	54	-17.05	-	-	30	319	H
5	* 4.235	37.86	PK2	33.8	-27.1	44.56	-	-	74	-29.44	286	338	V
	* 4.235	26.27	MAv1	33.8	-27	33.07	54	-20.93	-	-	286	338	V
6	* 11.84	33.91	PK2	38.6	-19.9	52.61	-	-	74	-21.39	15	110	V
	* 11.84	22.61	MAv1	38.6	-19.9	41.31	54	-12.69	-	-	15	110	V

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

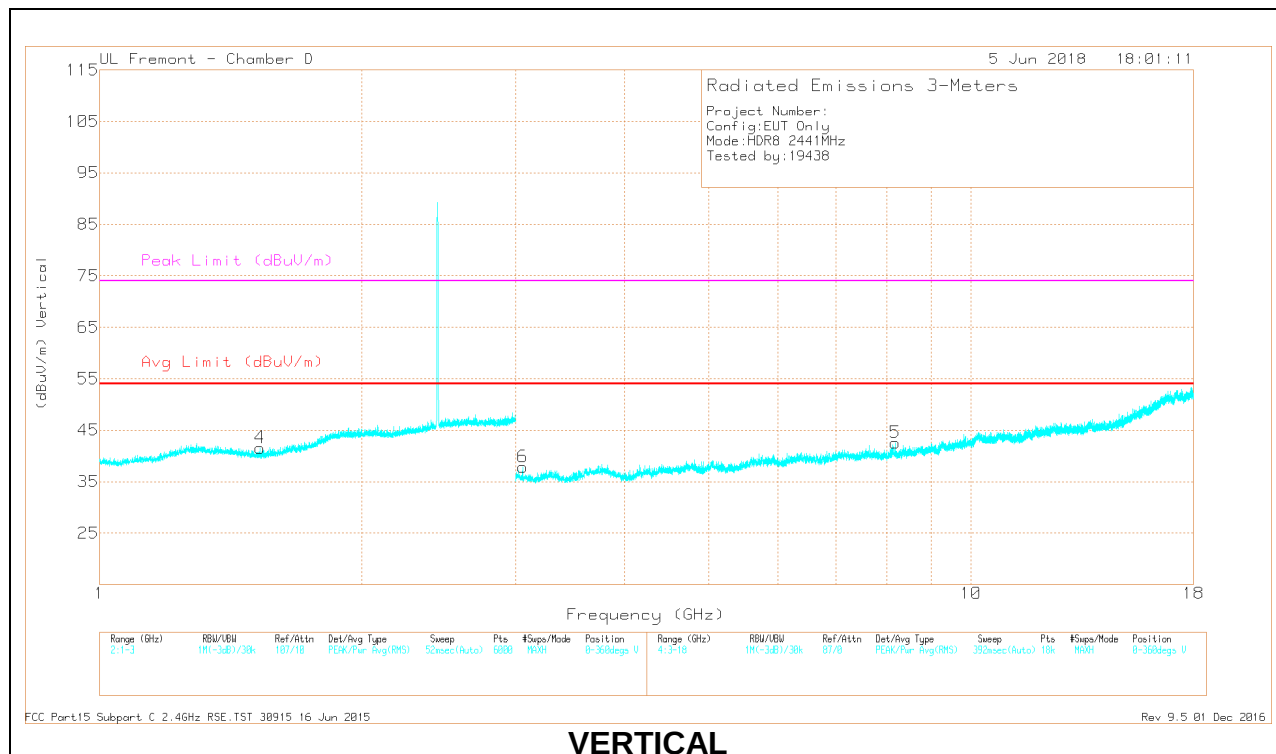
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS



HORIZTONTAL



VERTICAL

RADIATED EMISSIONS

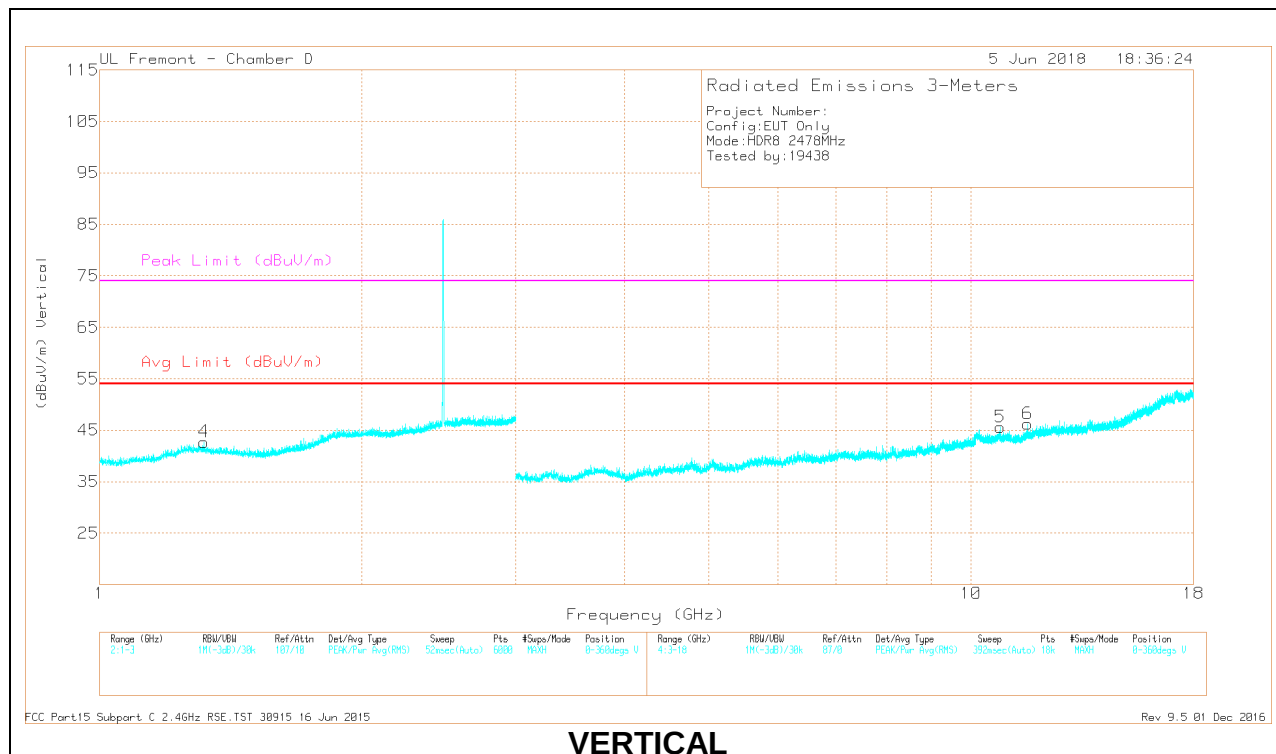
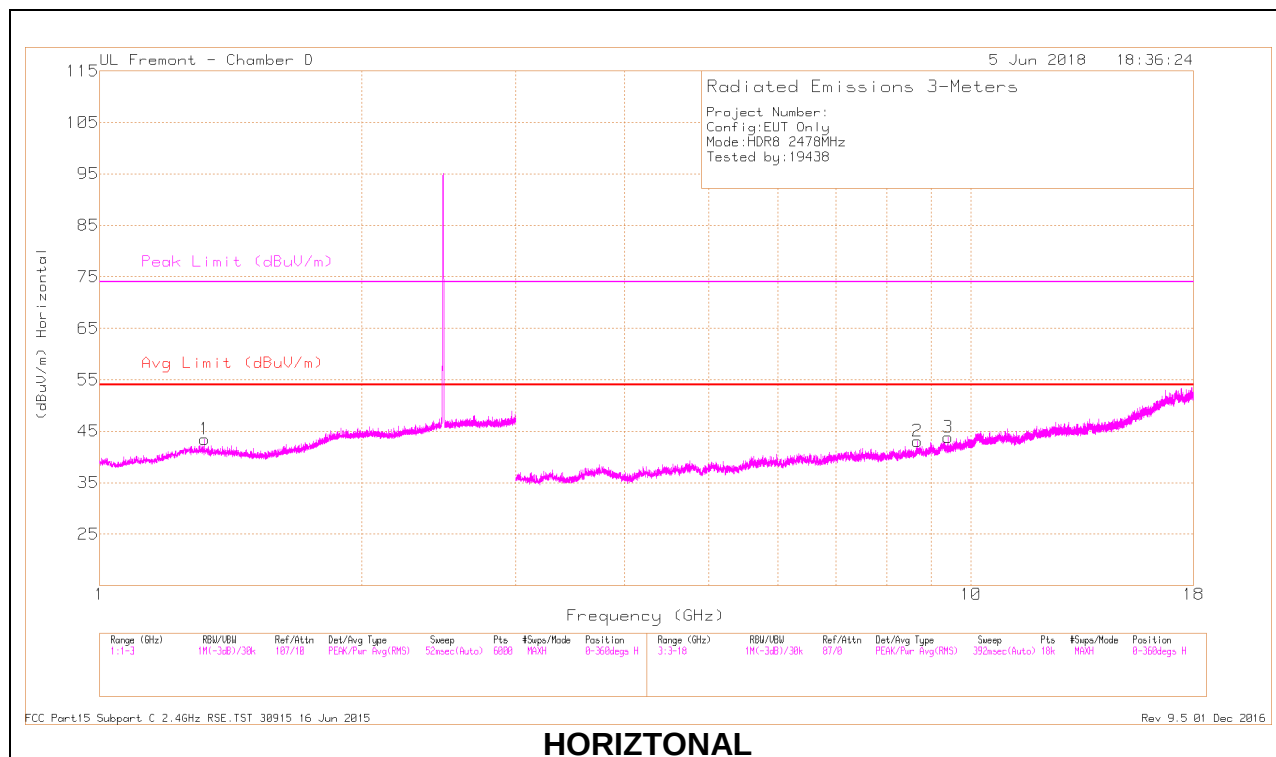
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.688	41.43	PK2	32.6	-20.3	53.73	-	-	74	-20.27	47	356	H
	* 2.688	29.58	MAv1	32.6	-20.3	41.88	54	-12.12	-	-	47	356	H
4	* 1.53	42.1	PK2	28	-21.6	48.5	-	-	74	-25.5	244	176	V
	* 1.52	29.69	MAv1	28	-21.6	36.09	54	-17.91	-	-	244	176	V
3	* 3.542	38.92	PK2	33.3	-28	44.22	-	-	74	-29.78	277	391	H
	* 3.524	27.44	MAv1	33.3	-28.2	32.54	54	-21.46	-	-	277	391	H
5	* 8.208	34.82	PK2	35.8	-23.4	47.22	-	-	74	-26.78	176	198	V
	* 8.191	24.12	MAv1	35.8	-23	36.92	54	-17.08	-	-	176	198	V
6	3.066	39.73	PK2	33	-28.4	44.33	-	-	-	-	352	116	V
2	5.765	38.12	PK2	35.7	-26.8	47.02	-	-	-	-	149	331	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
1	* 1.317	42.06	PK2	29.2	-21.9	49.36	-	-	74	-24.64	314	169	H
	* 1.319	29.95	MAv1	29.1	-21.9	37.15	54	-16.85	-	-	314	169	H
4	* 1.317	41.94	PK2	29.2	-21.9	49.24	-	-	74	-24.76	179	308	V
	* 1.317	30.37	MAv1	29.2	-21.9	37.67	54	-16.33	-	-	179	308	V
3	* 9.398	33.78	PK2	36.5	-21.3	48.98	-	-	74	-25.02	77	305	H
	* 9.407	22.55	MAv1	36.6	-21.3	37.85	54	-16.15	-	-	77	305	H
5	* 10.781	33.11	PK2	37.7	-19.6	51.21	-	-	74	-22.79	227	224	V
	* 10.813	21.92	MAv1	37.7	-19.9	39.72	54	-14.28	-	-	227	224	V
6	* 11.6	32.6	PK2	38.3	-19.9	51	-	-	74	-23	283	141	V
	* 11.619	21.99	MAv1	38.3	-19.8	40.49	54	-13.51	-	-	283	141	V
2	8.686	34.85	PK2	36	-21.5	49.35	-	-	-	-	233	244	H

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

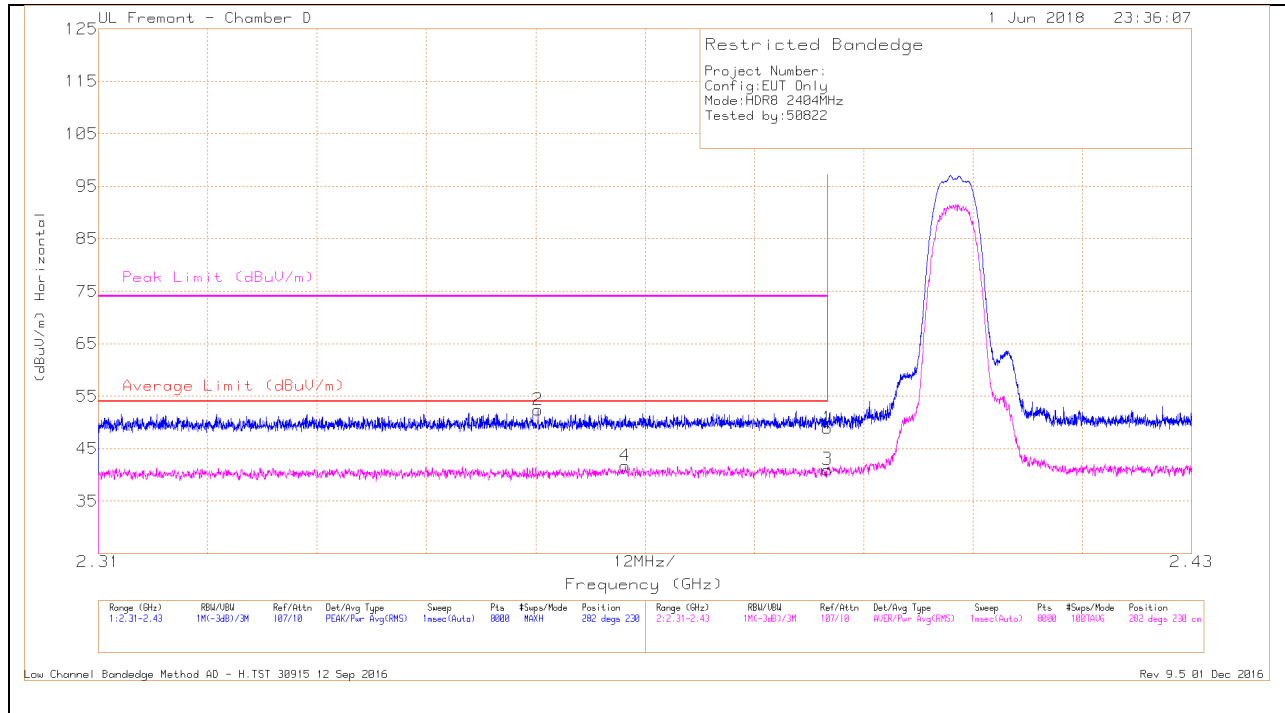
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

Antenna 3

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



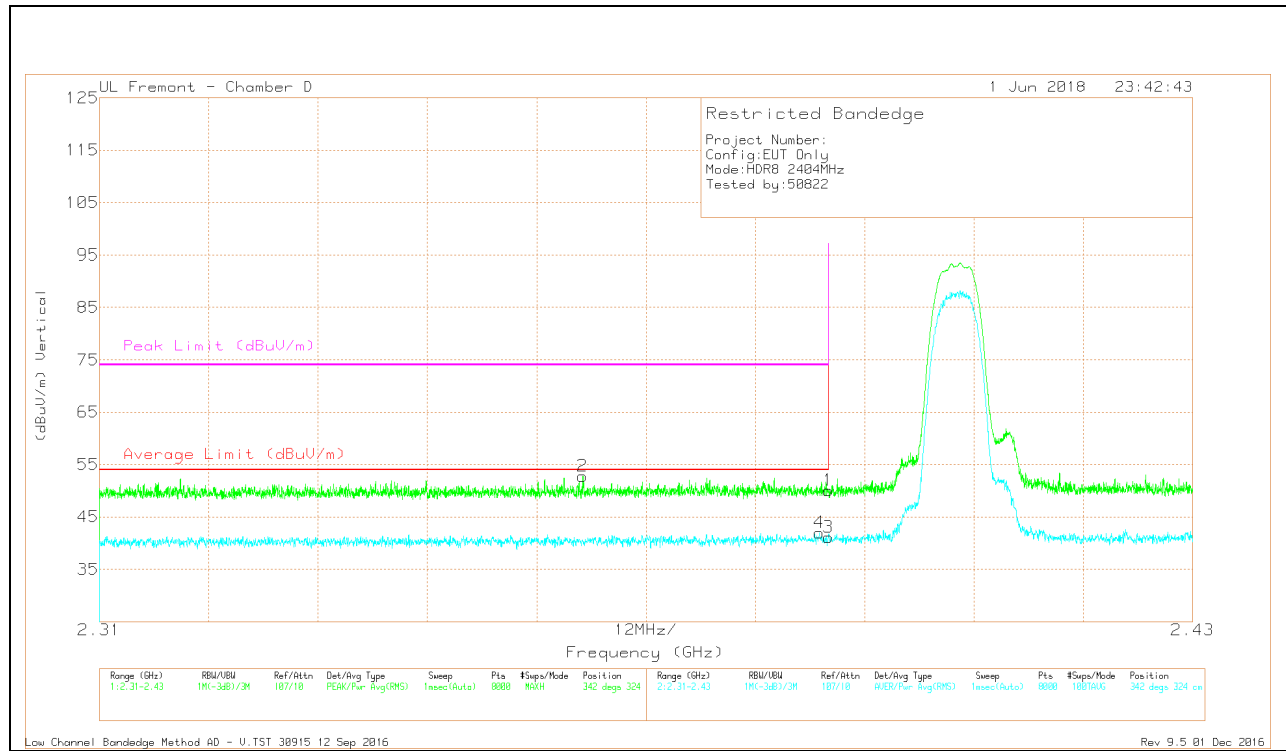
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filt/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.358	41.33	Pk	31.7	-20.6	52.43	-	-	74	-21.57	282	230	H
4	* 2.368	30.59	RMS	31.7	-20.6	41.69	54	-12.31	-	-	282	230	H
1	* 2.39	37.47	Pk	31.9	-20.5	48.87	-	-	74	-25.13	282	230	H
3	* 2.39	29.64	RMS	31.9	-20.5	41.04	54	-12.96	-	-	282	230	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/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	* 2.363	41.67	Pk	31.7	-20.6	52.77	-	-	74	-21.23	342	324	V
4	* 2.389	30.61	RMS	31.9	-20.5	42.01	54	-11.99	-	-	342	324	V
1	* 2.39	38.7	Pk	31.9	-20.5	50.1	-	-	74	-23.9	342	324	V
3	* 2.39	29.67	RMS	31.9	-20.5	41.07	54	-12.93	-	-	342	324	V

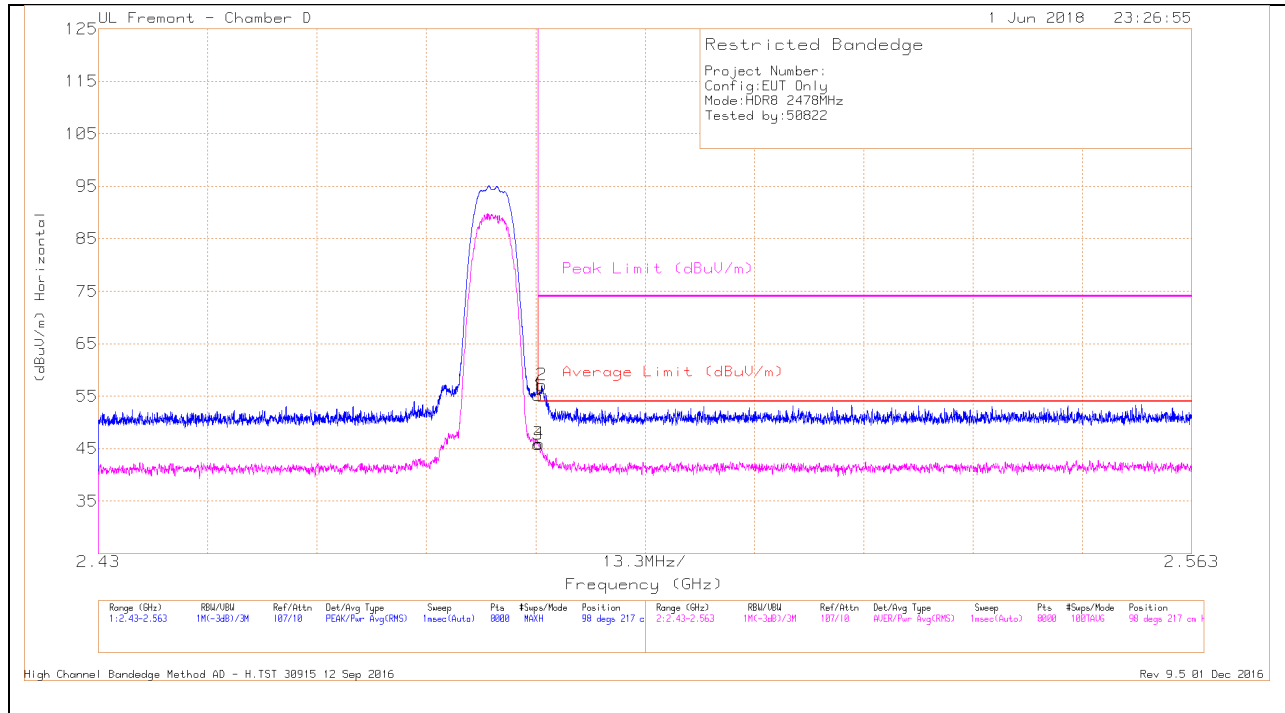
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



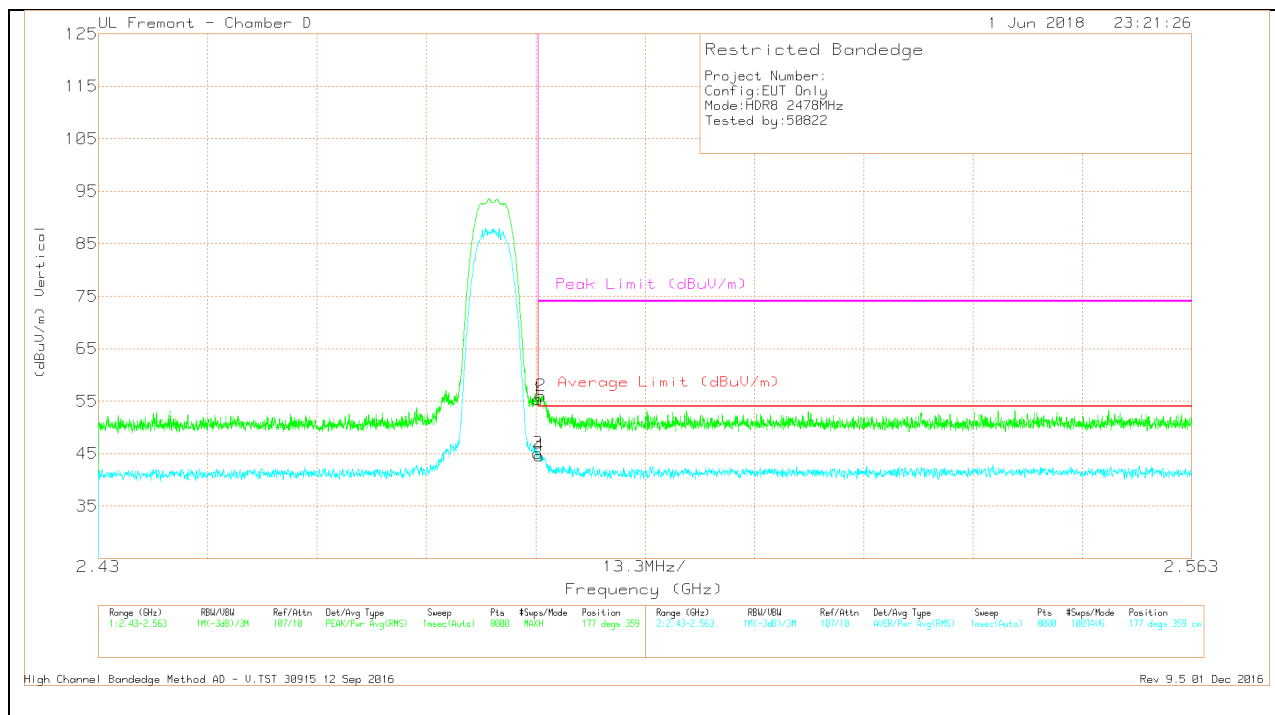
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	43.11	Pk	32.4	-20.4	55.11	-	-	74	-18.89	98	217	H
2	* 2.484	45.26	Pk	32.4	-20.5	57.16	-	-	74	-16.84	98	217	H
3	* 2.484	33.88	RMS	32.4	-20.4	45.88	54	-8.12	-	-	98	217	H
4	* 2.484	34	RMS	32.4	-20.5	45.9	54	-	-	-	98	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/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	43.44	Pk	32.4	-20.4	55.44	-	-	74	-18.56	177	359	V
2	* 2.484	44.07	Pk	32.4	-20.5	55.97	-	-	74	-18.03	177	359	V
3	* 2.484	33.04	RMS	32.4	-20.4	45.04	54	-8.96	-	-	177	359	V
4	* 2.484	32.66	RMS	32.4	-20.5	44.56	54	-9.44	-	-	177	359	V

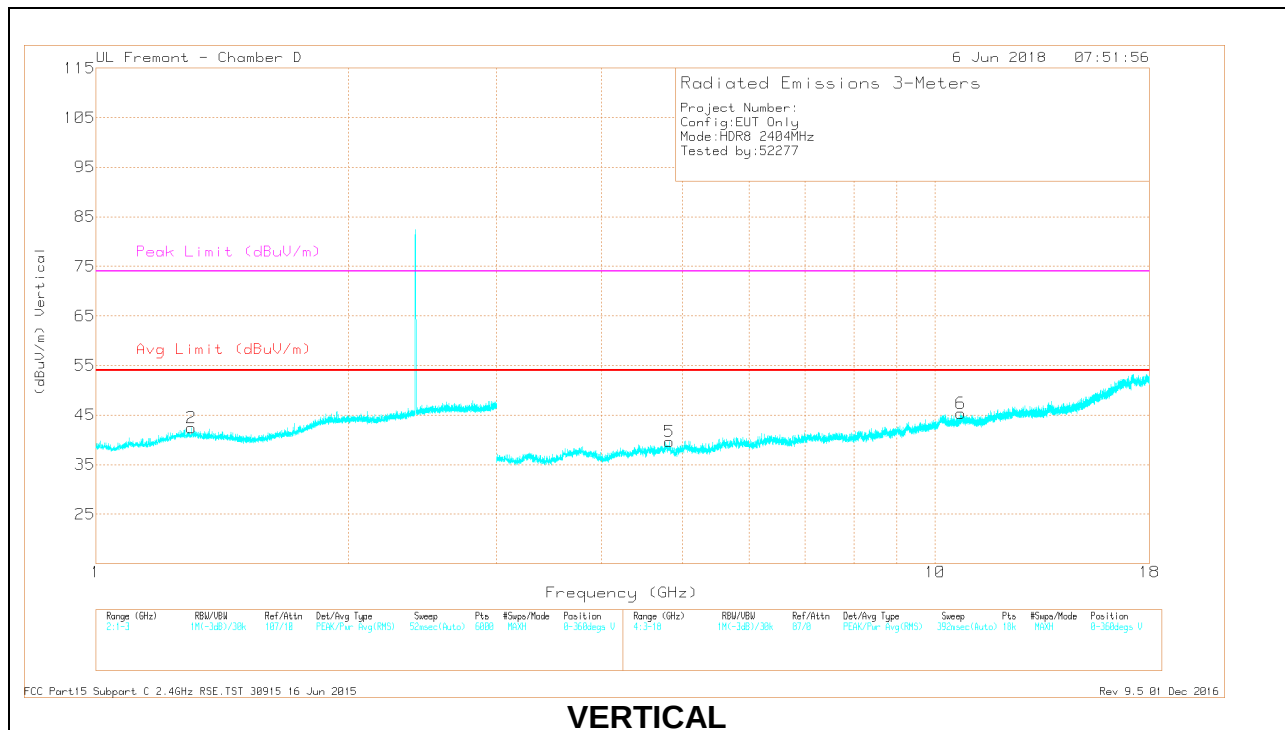
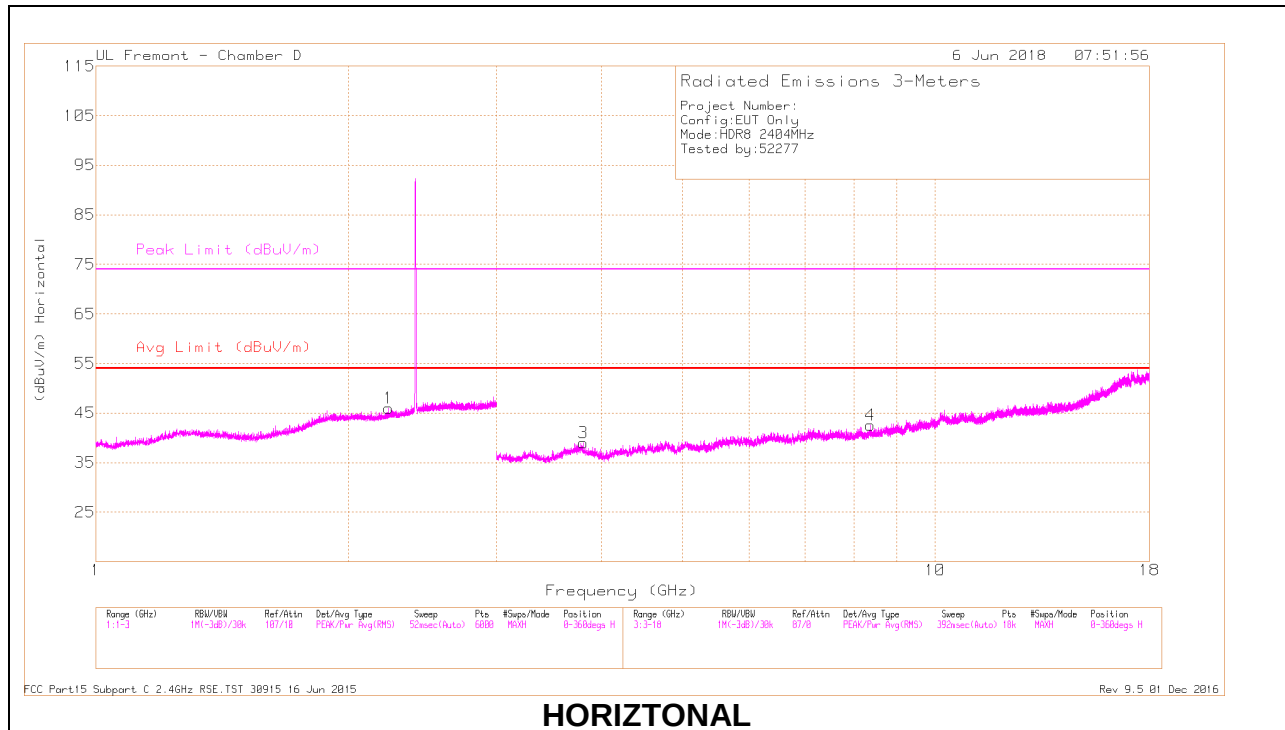
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

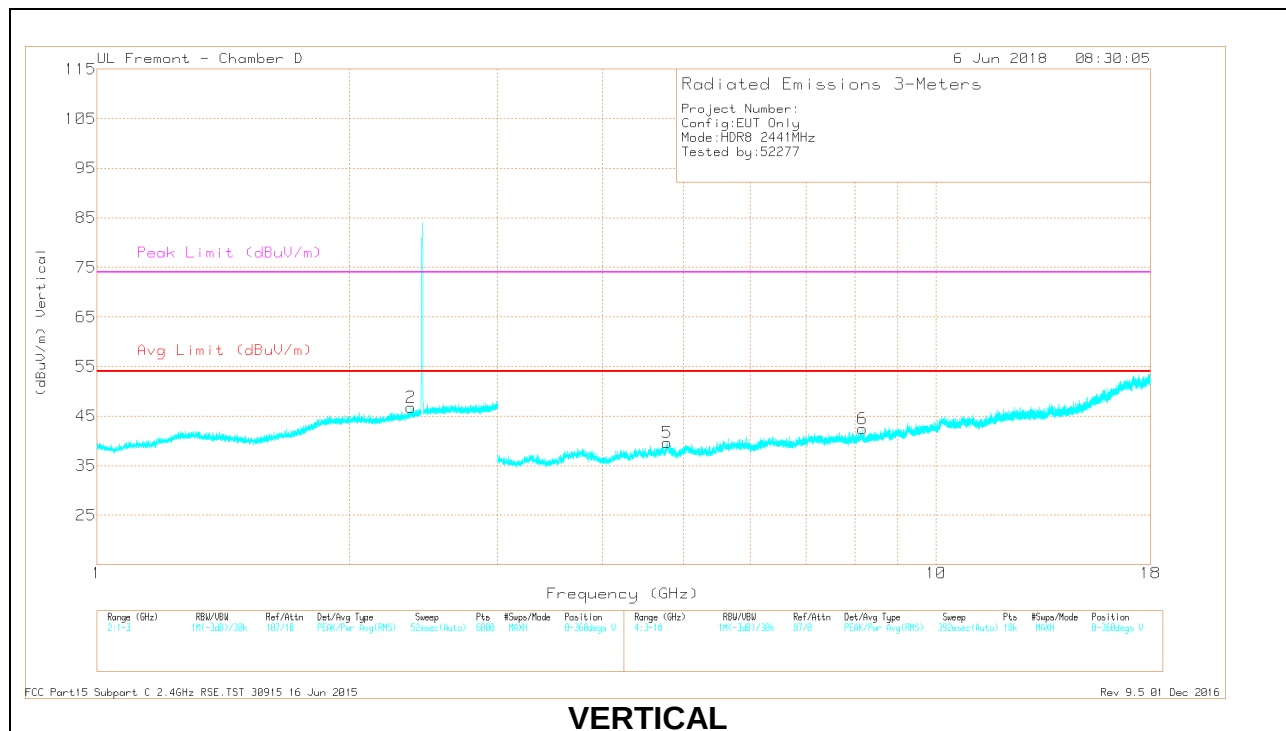
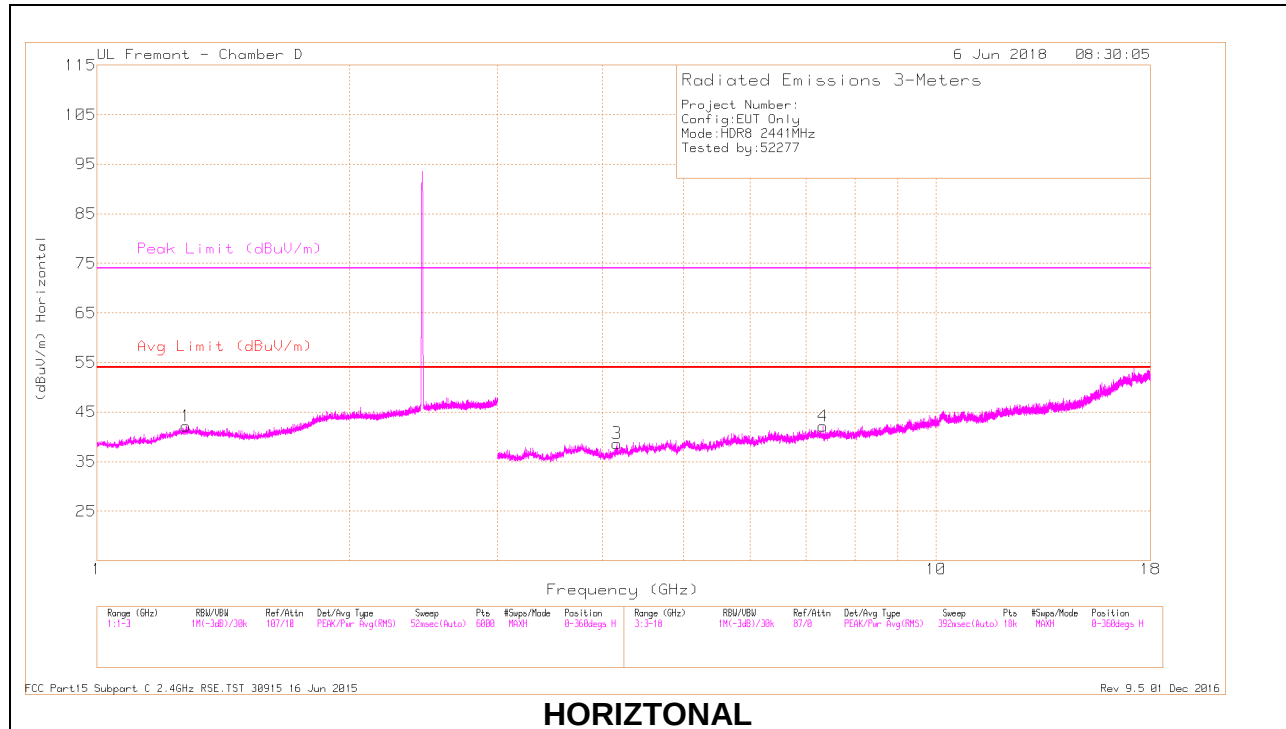
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.232	41.68	PK2	31.4	-20.6	52.48	-	-	74	-21.52	138	210	H
	* 2.229	29.6	MAv1	31.4	-20.7	40.3	54	-13.7	-	-	138	210	H
2	* 1.298	42.22	PK2	29.3	-22	49.52	-	-	74	-24.48	137	106	V
	* 1.298	29.81	MAv1	29.3	-22	37.11	54	-16.89	-	-	137	106	V
3	* 3.806	38.5	PK2	33.7	-28.1	44.1	-	-	74	-29.9	248	245	H
	* 3.809	26.82	MAv1	33.6	-28	32.42	54	-21.58	-	-	248	245	H
4	* 8.366	35.07	PK2	35.8	-22.6	48.27	-	-	74	-25.73	254	378	H
	* 8.365	23.57	MAv1	35.8	-22.6	36.77	54	-17.23	-	-	254	378	H
5	* 4.823	37.37	PK2	34.5	-27	44.87	-	-	74	-29.13	29	267	V
	* 4.821	26.01	MAv1	34.5	-26.8	33.71	54	-20.29	-	-	29	267	V
6	* 10.73	33.81	PK2	37.7	-19.9	51.61	-	-	74	-22.39	197	218	V
	* 10.73	22.21	MAv1	37.7	-19.9	40.01	54	-13.99	-	-	197	218	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

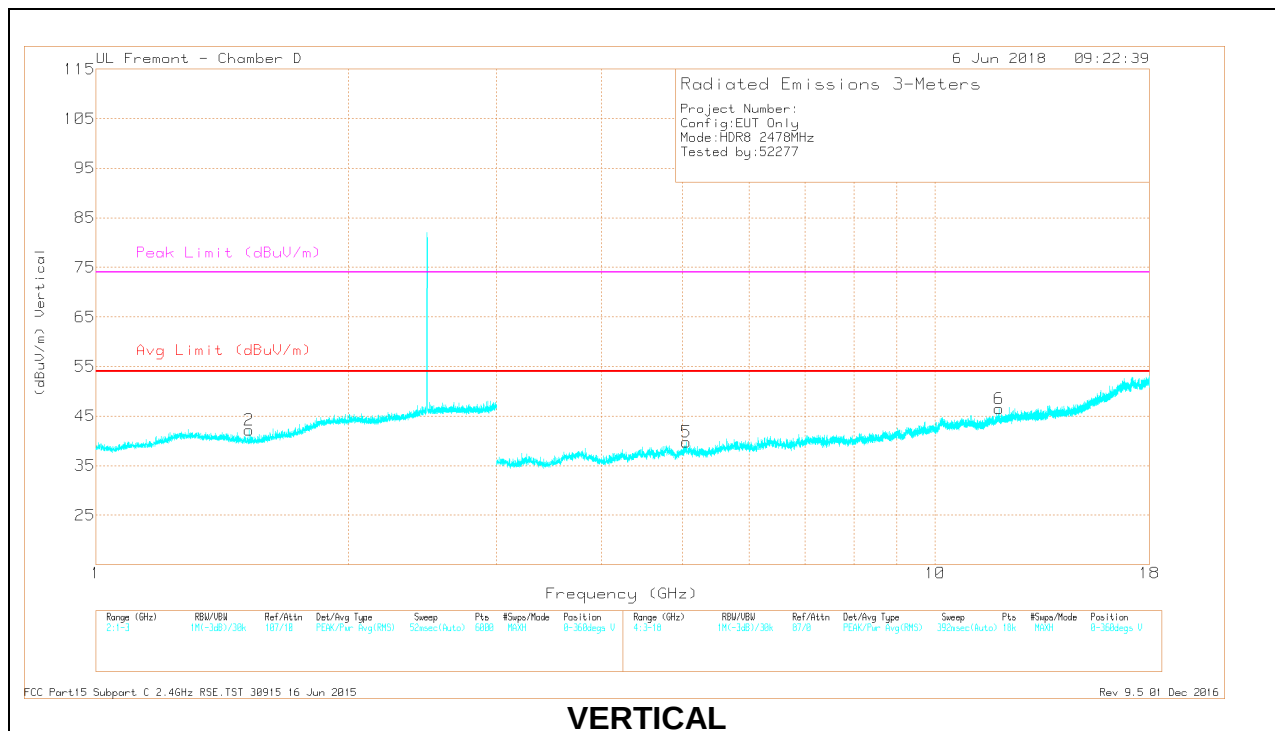
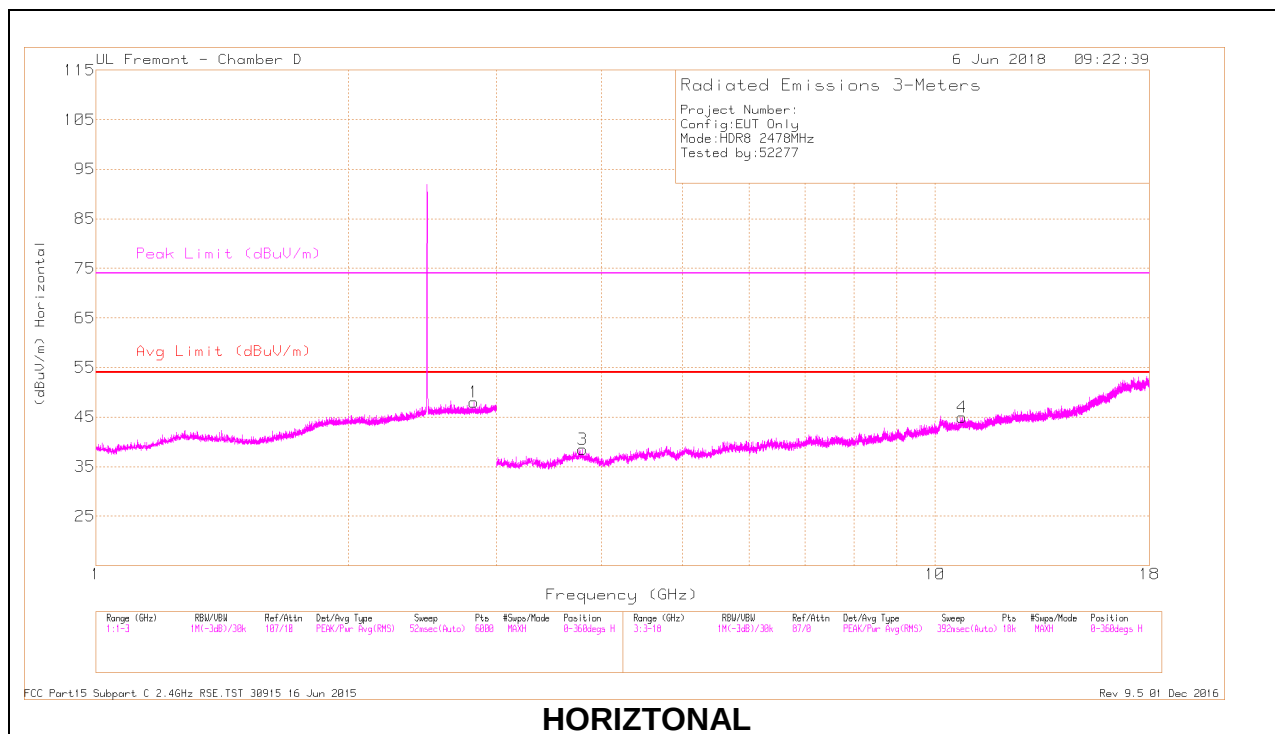
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.278	41.82	PK2	29.2	-22	49.02	-	-	74	-24.98	171	158	H
	* 1.276	29.92	MAv1	29.2	-22	37.12	54	-16.88	-	-	171	158	H
2	* 2.365	41.89	PK2	31.7	-20.5	53.09	-	-	74	-20.91	269	255	V
	* 2.364	29.7	MAv1	31.7	-20.5	40.9	54	-13.1	-	-	269	255	V
3	* 4.166	38.05	PK2	33.6	-27.8	43.85	-	-	74	-30.15	12	212	H
	* 4.163	25.98	MAv1	33.6	-27.7	31.88	54	-22.12	-	-	12	212	H
4	* 7.328	35.79	PK2	36.1	-24.4	47.49	-	-	74	-26.51	184	223	H
	* 7.329	24.22	MAv1	36.1	-24.5	35.82	54	-18.18	-	-	184	223	H
5	* 4.778	38.82	PK2	34.5	-26.2	47.12	-	-	74	-26.88	61	234	V
	* 4.777	26.25	MAv1	34.5	-26.2	34.55	54	-19.45	-	-	61	234	V
6	* 8.173	35.04	PK2	35.8	-22.7	48.14	-	-	74	-25.86	140	181	V
	* 8.176	23.4	MAv1	35.8	-22.7	36.5	54	-17.5	-	-	140	181	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/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	* 2.823	41.79	PK2	32.6	-20	54.39	-	-	74	-19.61	0	268	H
	* 2.823	29.36	MAv1	32.6	-20	41.96	54	-12.04	-	-	0	268	H
2	* 1.523	41.68	PK2	28	-21.6	48.08	-	-	74	-25.92	224	182	V
	* 1.523	29.7	MAv1	28	-21.6	36.1	54	-17.9	-	-	224	182	V
3	* 3.804	39.44	PK2	33.7	-28	45.14	-	-	74	-28.86	141	167	H
	* 3.802	26.35	MAv1	33.7	-28	32.05	54	-21.95	-	-	141	167	H
4	* 10.77	34.52	PK2	37.7	-19.4	52.82	-	-	74	-21.18	224	190	H
	* 10.768	21.7	MAv1	37.7	-19.4	40	54	-14	-	-	224	190	H
5	* 5.054	37.03	PK2	34.5	-26.2	45.33	-	-	74	-28.67	138	163	V
	* 5.052	25.61	MAv1	34.5	-26.2	33.91	54	-20.09	-	-	138	163	V
6	* 11.91	34.13	PK2	38.7	-20	52.83	-	-	74	-21.17	142	321	V
	* 11.908	21.95	MAv1	38.7	-20	40.65	54	-13.35	-	-	142	321	V

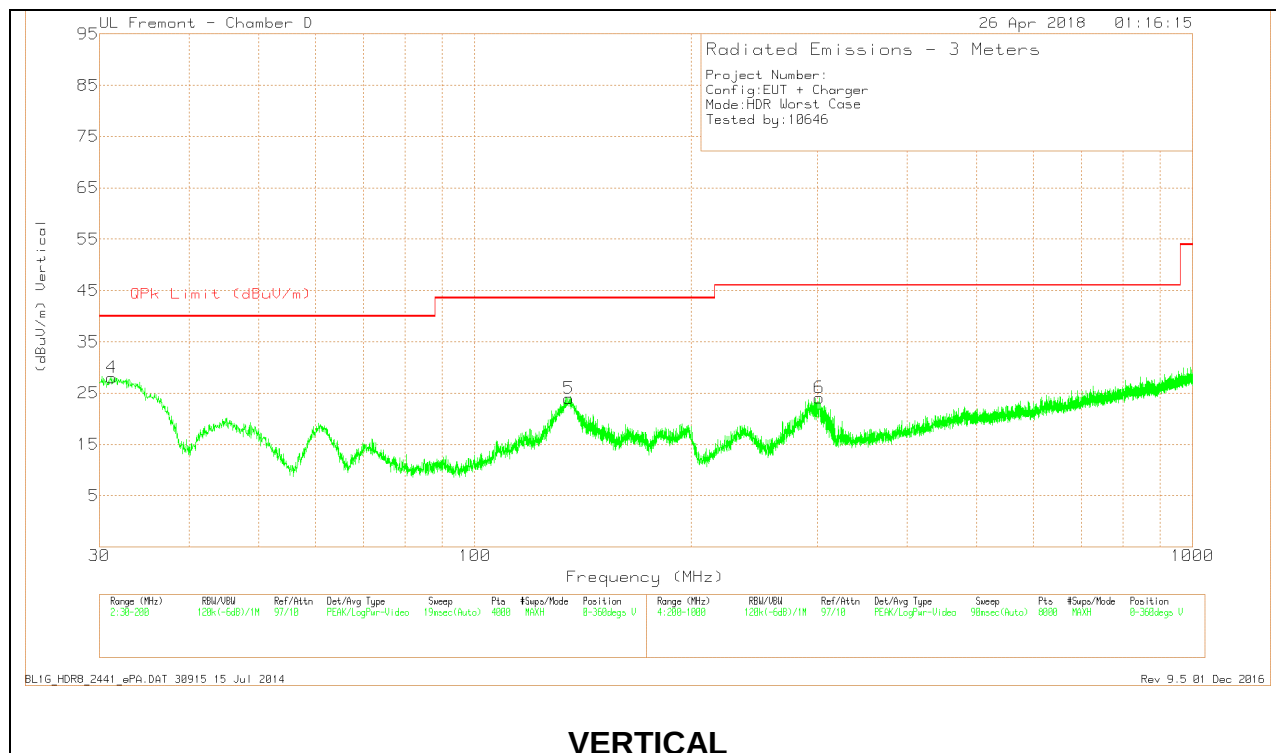
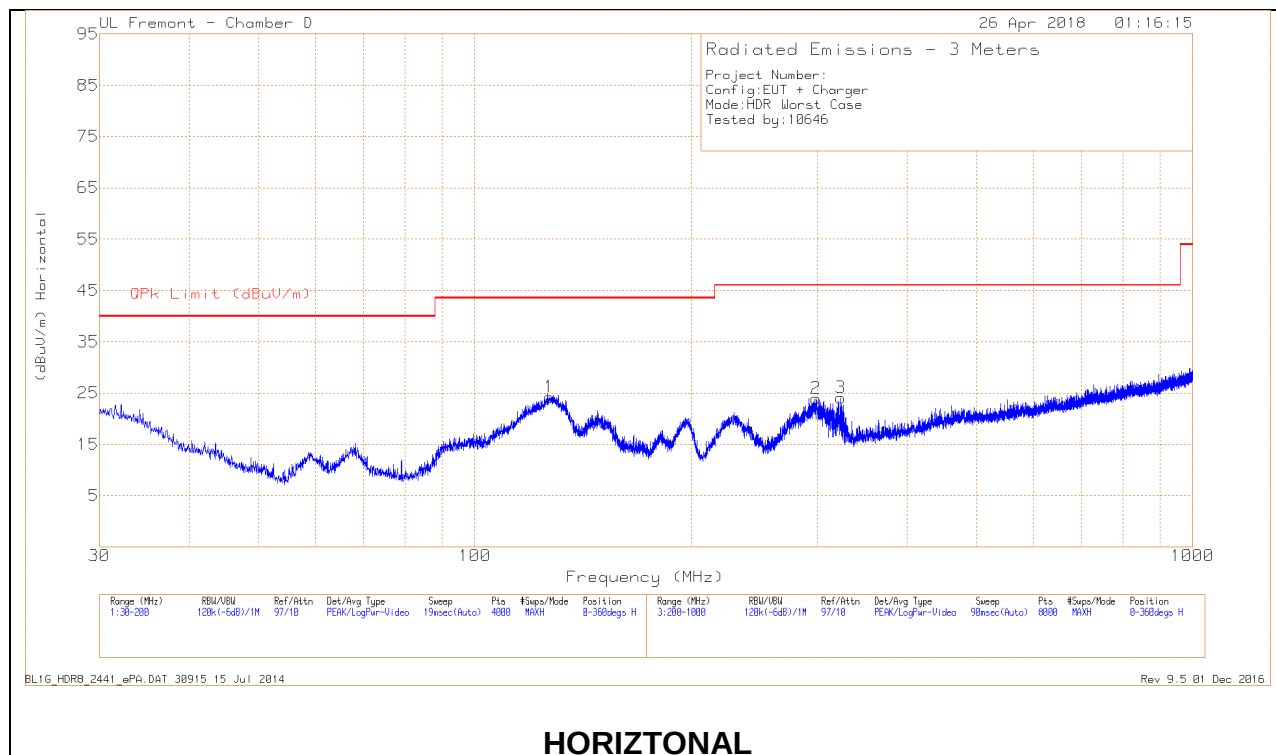
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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)



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	* 127.0526	37.14	Pk	18.3	-31.2	24.24	43.52	-19.28	0-360	199	H
5	* 135.1722	37.2	Pk	17.9	-31.1	24	43.52	-19.52	0-360	100	V
3	* 323.416	35.92	Pk	18.4	-30.3	24.02	46.02	-22	0-360	101	H
2	298.8128	36.53	Pk	17.8	-30.4	23.93	46.02	-22.09	0-360	101	H
6	301.6132	36.52	Pk	17.9	-30.3	24.12	46.02	-21.9	0-360	101	V
4	31.1903	34.76	Pk	25.2	-31.9	28.06	40	-11.94	0-360	100	V

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

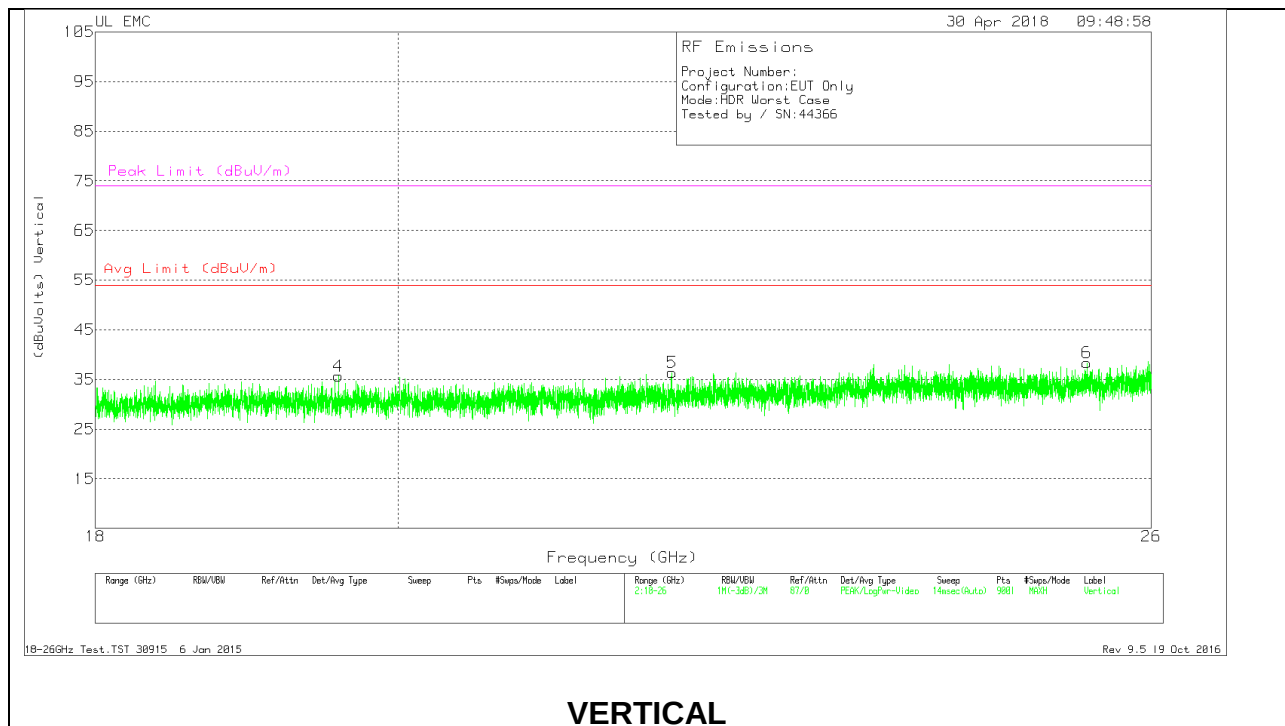
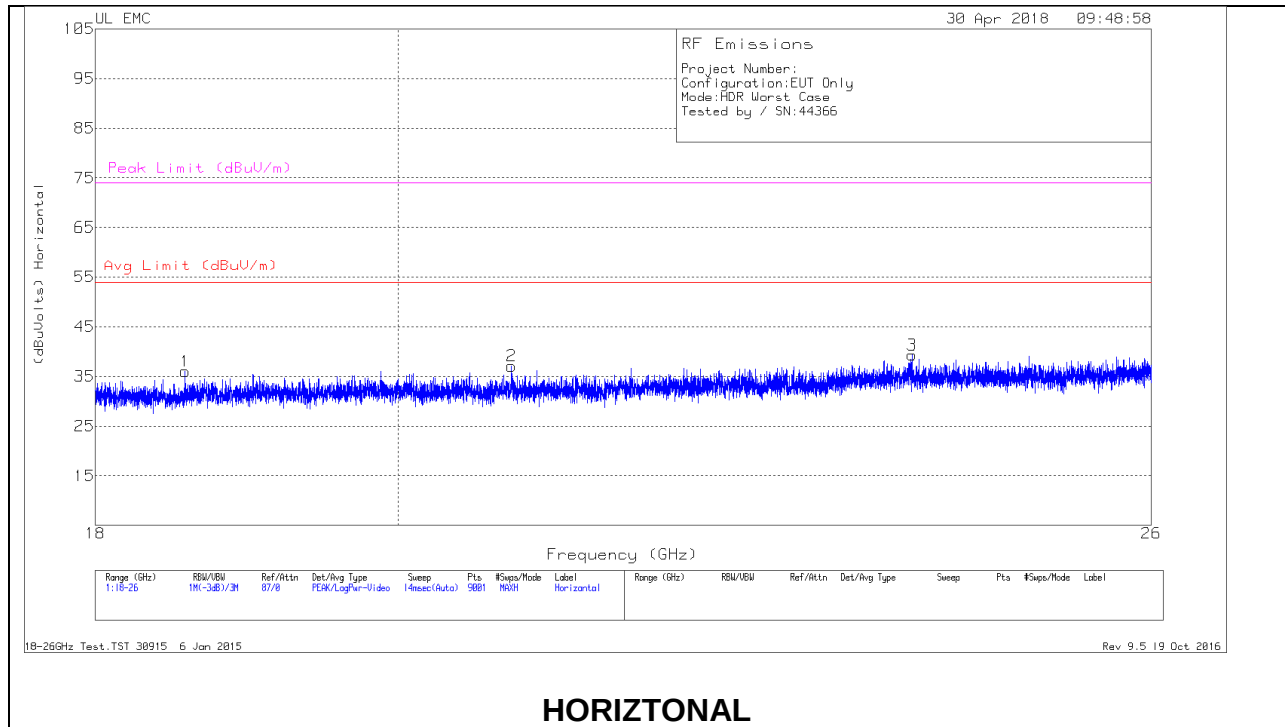
Pk - Peak detector

BL1G_HDR8_2441_ePA.DAT 30915 15 Jul 2014

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9.4. Worst Case 18-26 GHz

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



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	18.572	38.51	Pk	32.3	-25.3	-9.5	36.01	54	-17.99	74	-37.99
2	20.807	38.8	Pk	33	-25.2	-9.5	37.1	54	-16.9	74	-36.9
3	23.923	38.81	Pk	33.9	-23.9	-9.5	39.31	54	-14.69	74	-34.69
4	19.589	37.75	Pk	32.7	-25.3	-9.5	35.65	54	-18.35	74	-38.35
5	22.003	37.66	Pk	33.4	-25.2	-9.5	36.36	54	-17.64	74	-37.64
6	25.421	37.76	Pk	34.4	-24.3	-9.5	38.36	54	-15.64	74	-35.64

Pk - Peak detector

18-26GHz Test.TST 30915 6 Jan 2015

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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.

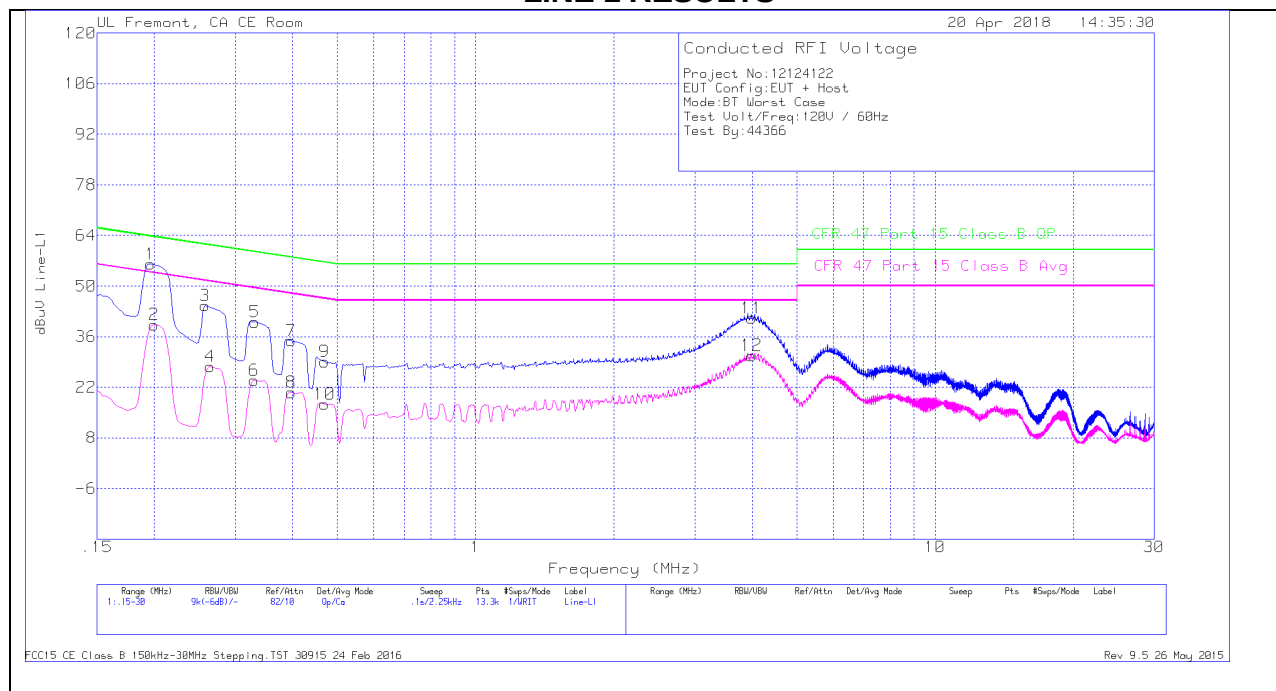
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

10.1.1. AC Power Line Host

LINE 1 RESULTS

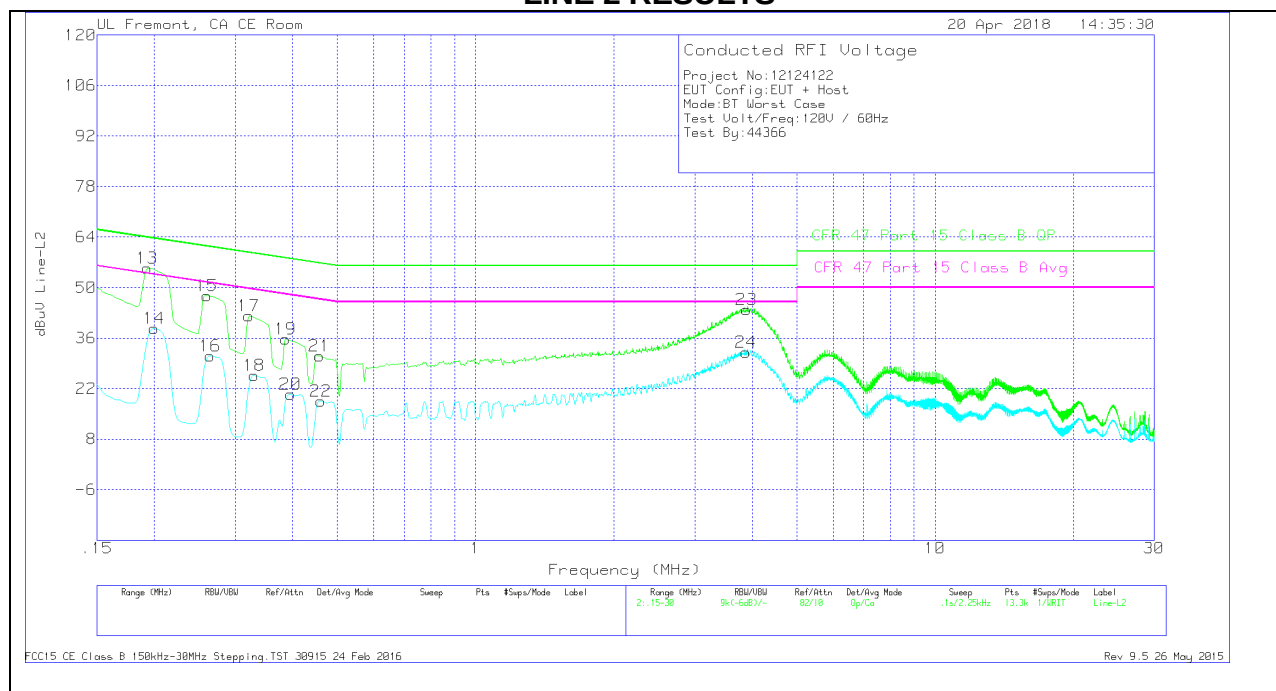


Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L1	LC Cables C1&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
1	.19613	46.06	Qp	0	0	10.1	56.16	63.77	-7.61	-	-
2	.1995	29.21	Ca	0	0	10.1	39.31	-	-	53.63	-14.32
3	.258	34.53	Qp	0	0	10.1	44.63	61.5	-16.87	-	-
4	.26475	17.63	Ca	0	0	10.1	27.73	-	-	51.28	-23.55
5	.33112	29.91	Qp	0	0	10.1	40.01	59.42	-19.41	-	-
6	.33	13.82	Ca	0	0	10.1	23.92	-	-	49.45	-25.53
7	.3975	24.82	Qp	0	0	10.1	34.92	57.91	-22.99	-	-
8	.3975	10.44	Ca	0	0	10.1	20.54	-	-	47.91	-27.37
9	.4695	18.96	Qp	0	0	10.1	29.06	56.52	-27.46	-	-
10	.4695	7.17	Ca	0	0	10.1	17.27	-	-	46.52	-29.25
11	3.99075	31.01	Qp	0	.1	10.1	41.21	56	-14.79	-	-
12	3.99075	20.59	Ca	0	.1	10.1	30.79	-	-	46	-15.21

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	45.34	Qp	0	0	10.1	55.44	63.92	-8.48	-	-
14	.1995	28.55	Ca	0	0	10.1	38.65	-	-	53.63	-14.98
15	.26025	37.65	Qp	0	0	10.1	47.75	61.42	-13.67	-	-
16	.26475	21.01	Ca	0	0	10.1	31.11	-	-	51.28	-20.17
17	.321	32.01	Qp	0	0	10.1	42.11	59.68	-17.57	-	-
18	.33	15.58	Ca	0	0	10.1	25.68	-	-	49.45	-23.77
19	.38625	25.69	Qp	0	0	10.1	35.79	58.14	-22.35	-	-
20	.39525	10.28	Ca	0	0	10.1	20.38	-	-	47.95	-27.57
21	.45825	20.9	Qp	0	0	10.1	31	56.72	-25.72	-	-
22	.4605	8.38	Ca	0	0	10.1	18.48	-	-	46.68	-28.2
23	3.8895	33.64	Qp	0	.1	10.1	43.84	56	-12.16	-	-
24	3.87825	21.89	Ca	0	.1	10.1	32.09	-	-	46	-13.91

Qp - Quasi-Peak detector

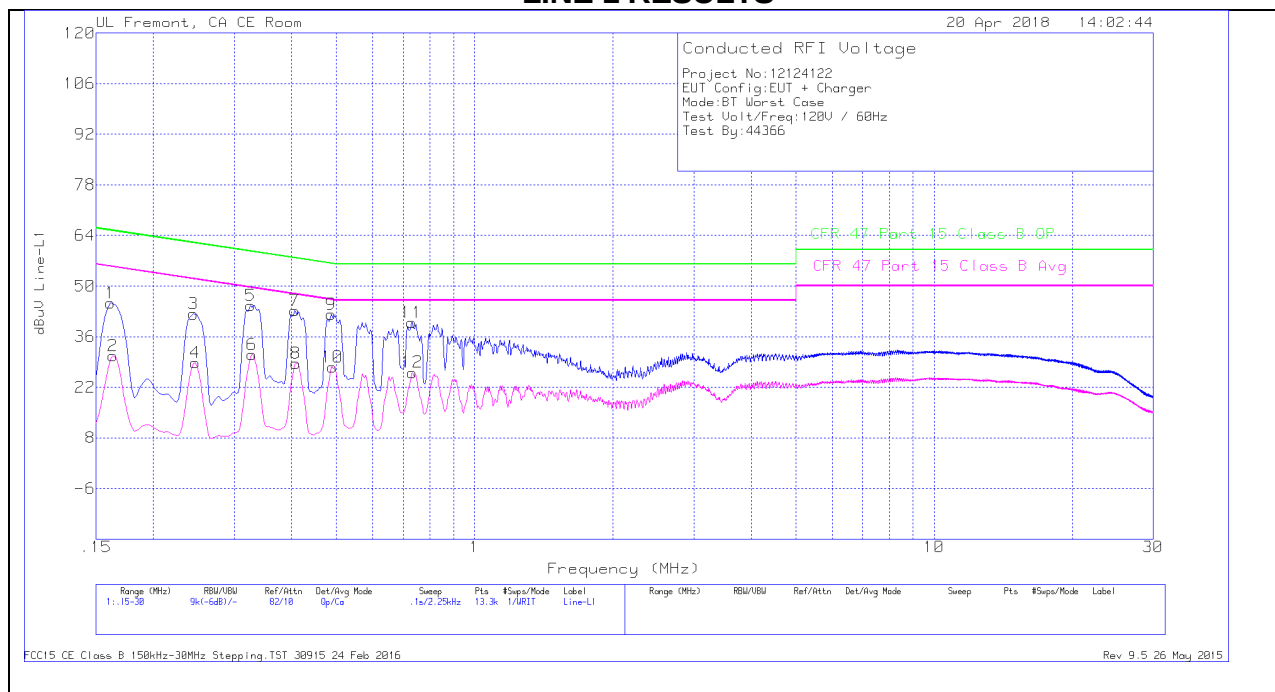
Ca - CISPR average detection

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10.1.2. AC Power Line Norm

LINE 1 RESULTS

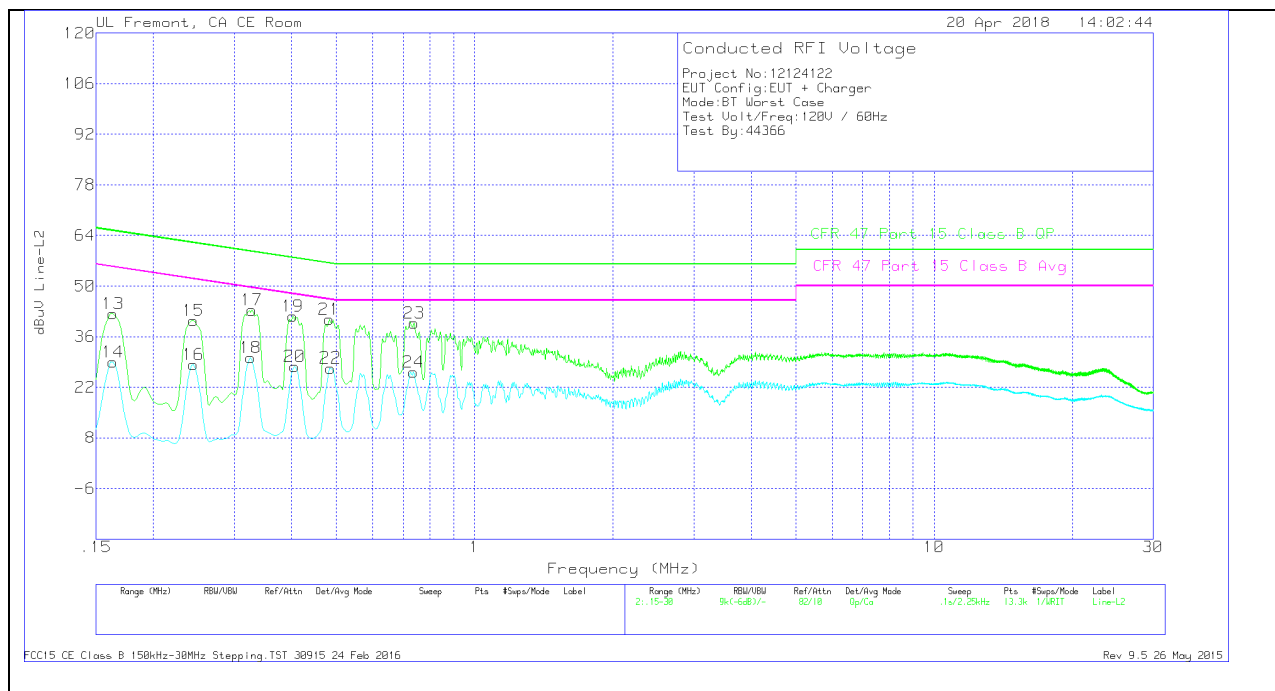


Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L1	LC Cables C1&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
1	.16125	35.11	Qp	.1	0	10.1	45.31	65.4	-20.09	-	-
2	.1635	20.47	Ca	.1	0	10.1	30.67	-	-	55.28	-24.61
3	.2445	32.17	Qp	0	0	10.1	42.27	61.94	-19.67	-	-
4	.24675	18.74	Ca	0	0	10.1	28.84	-	-	51.87	-23.03
5	.3255	34.54	Qp	0	0	10.1	44.64	59.57	-14.93	-	-
6	.32775	20.96	Ca	0	0	10.1	31.06	-	-	49.51	-18.45
7	.4065	33.13	Qp	0	0	10.1	43.23	57.72	-14.49	-	-
8	.40875	18.49	Ca	0	0	10.1	28.59	-	-	47.67	-19.08
9	.4875	32.08	Qp	0	0	10.1	42.18	56.21	-14.03	-	-
10	.48975	17.45	Ca	0	0	10.1	27.55	-	-	46.17	-18.62
11	.7305	29.88	Qp	0	0	10.1	39.98	56	-16.02	-	-
12	.73275	16	Ca	0	0	10.1	26.1	-	-	46	-19.9

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	.1635	32.22	Qp	0	0	10.1	42.32	65.28	-22.96	-	-
14	.1635	18.93	Ca	0	0	10.1	29.03	-	-	55.28	-26.25
15	.2445	30.4	Qp	0	0	10.1	40.5	61.94	-21.44	-	-
16	.2445	18.16	Ca	0	0	10.1	28.26	-	-	51.94	-23.68
17	.32775	33.21	Qp	0	0	10.1	43.31	59.51	-16.2	-	-
18	.3255	20.16	Ca	0	0	10.1	30.26	-	-	49.57	-19.31
19	.402	31.49	Qp	0	0	10.1	41.59	57.81	-16.22	-	-
20	.4065	17.64	Ca	0	0	10.1	27.74	-	-	47.72	-19.98
21	.483	30.65	Qp	0	0	10.1	40.75	56.29	-15.54	-	-
22	.48525	17.21	Ca	0	0	10.1	27.31	-	-	46.25	-18.94
23	.7395	29.7	Qp	0	0	10.1	39.8	56	-16.2	-	-
24	.73725	16.01	Ca	0	0	10.1	26.11	-	-	46	-19.89

Qp - Quasi-Peak detector

Ca - CISPR average detection

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END OF REPORT

11. SETUP PHOTOS

Please refer to 12124122-EP1V1 for setup photos