

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.

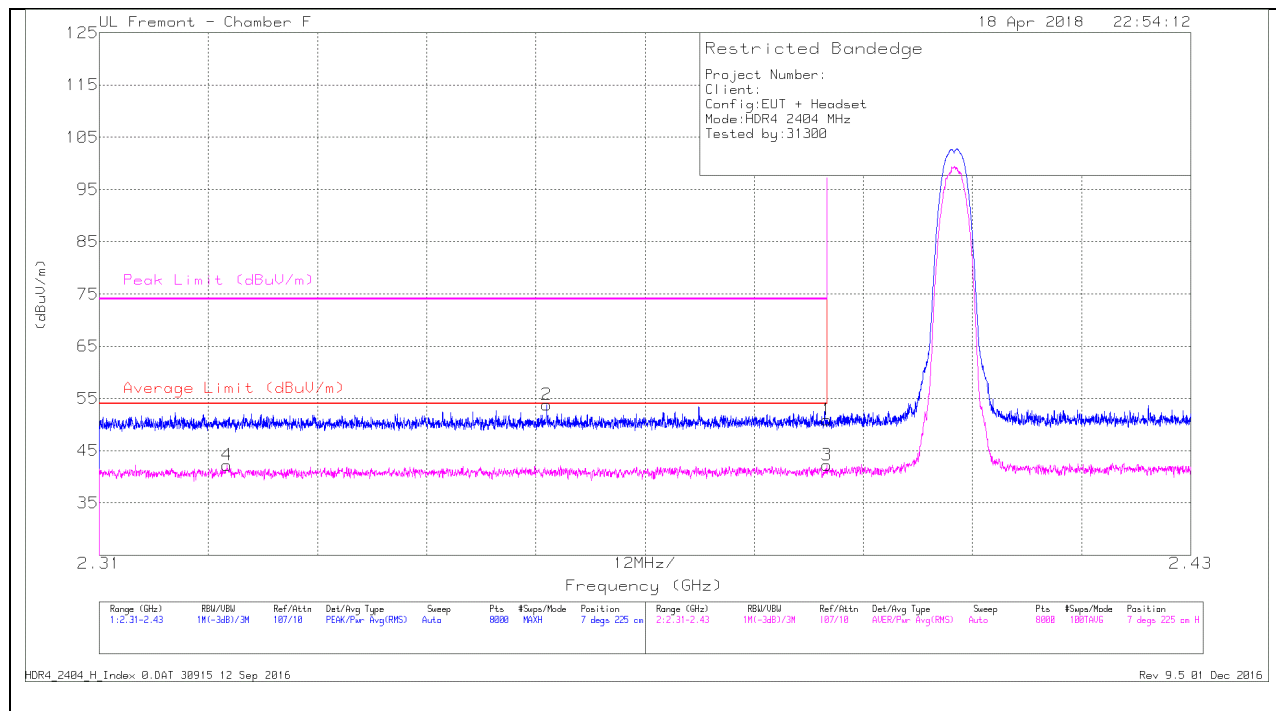
9.2. TRANSMITTER ABOVE 1 GHz

9.2.1. HIGH POWER HDR4

ANT. 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT119 (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
4	* 2.324	31.13	RMS	31.7	-20.6	42.23	54	-11.77	-	-	7	225	H
2	* 2.359	42.7	Pk	31.8	-20.7	53.8	-	-	74	-20.2	7	225	H
1	* 2.39	39.56	Pk	31.9	-20.6	50.86	-	-	74	-23.14	7	225	H
3	* 2.39	30.89	RMS	31.9	-20.6	42.19	54	-11.81	-	-	7	225	H

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

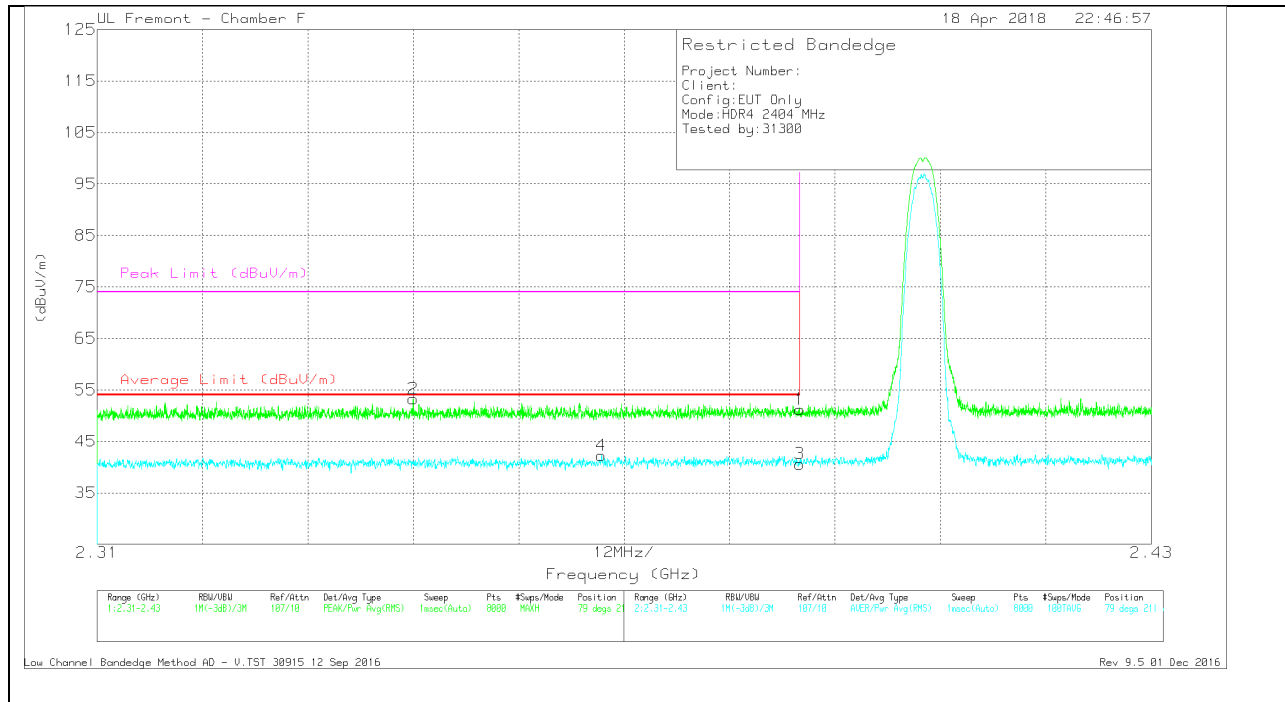
Pk - Peak detector

RMS - RMS detection

HDR4_2404_H_Index 0.DAT 30915 12 Sep 2016

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VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	39.9	Pk	31.9	-20.6	51.2	-	-	74	-22.8	79	211	V
2	* 2.346	42.25	Pk	31.7	-20.7	53.25	-	-	74	-20.75	79	211	V
3	* 2.39	29.32	RMS	31.9	-20.6	40.62	54	-13.38	-	-	79	211	V
4	* 2.367	31.04	RMS	31.8	-20.6	42.24	54	-11.76	-	-	79	211	V

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

Pk - Peak detector

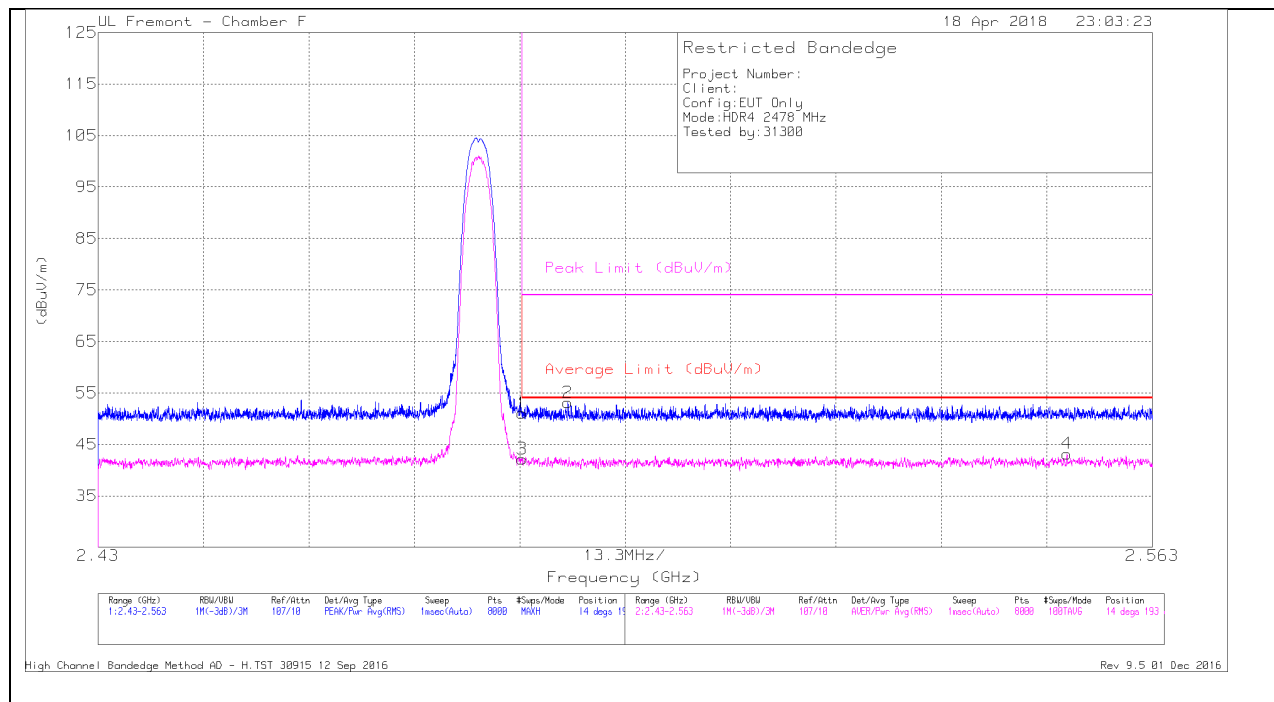
RMS - RMS detection

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

Rev 9.5 01 Dec 2016

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	39.65	Pk	32.1	-20.7	51.05	-	-	74	-22.95	14	193	H
2	* 2.489	41.64	Pk	32.2	-20.7	53.14	-	-	74	-20.86	14	193	H
3	* 2.484	30.76	RMS	32.1	-20.7	42.16	54	-11.84	-	-	14	193	H
4	2.552	31.48	RMS	32.2	-20.5	43.18	54	-10.82	-	-	14	193	H

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

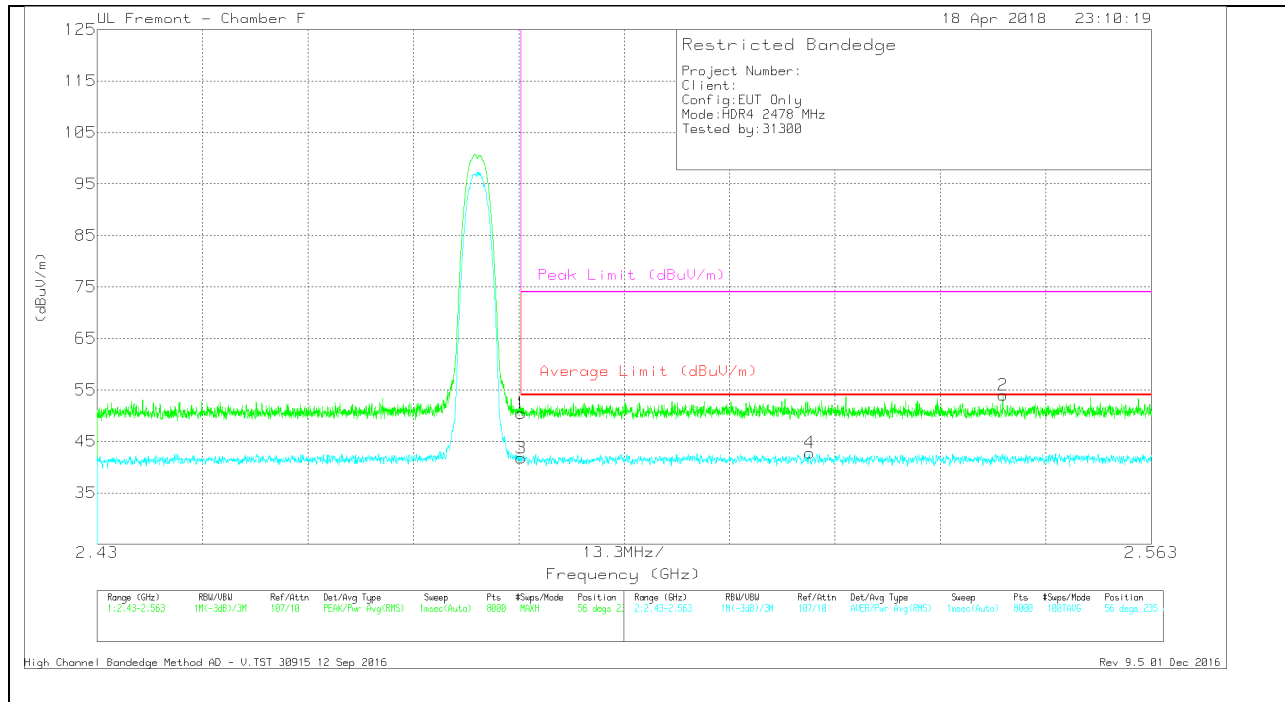
Pk - Peak detector

RMS - RMS detection

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

Rev 9.5 01 Dec 2016

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	39.06	Pk	32.1	-20.7	50.46	-	-	74	-23.54	56	235	V
2	2.544	42.48	Pk	32.2	-20.7	53.98	-	-	74	-20.02	56	235	V
3	* 2.484	30.34	RMS	32.1	-20.7	41.74	54	-12.26	-	-	56	235	V
4	2.52	31.19	RMS	32.2	-20.6	42.79	54	-11.21	-	-	56	235	V

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

Pk - Peak detector

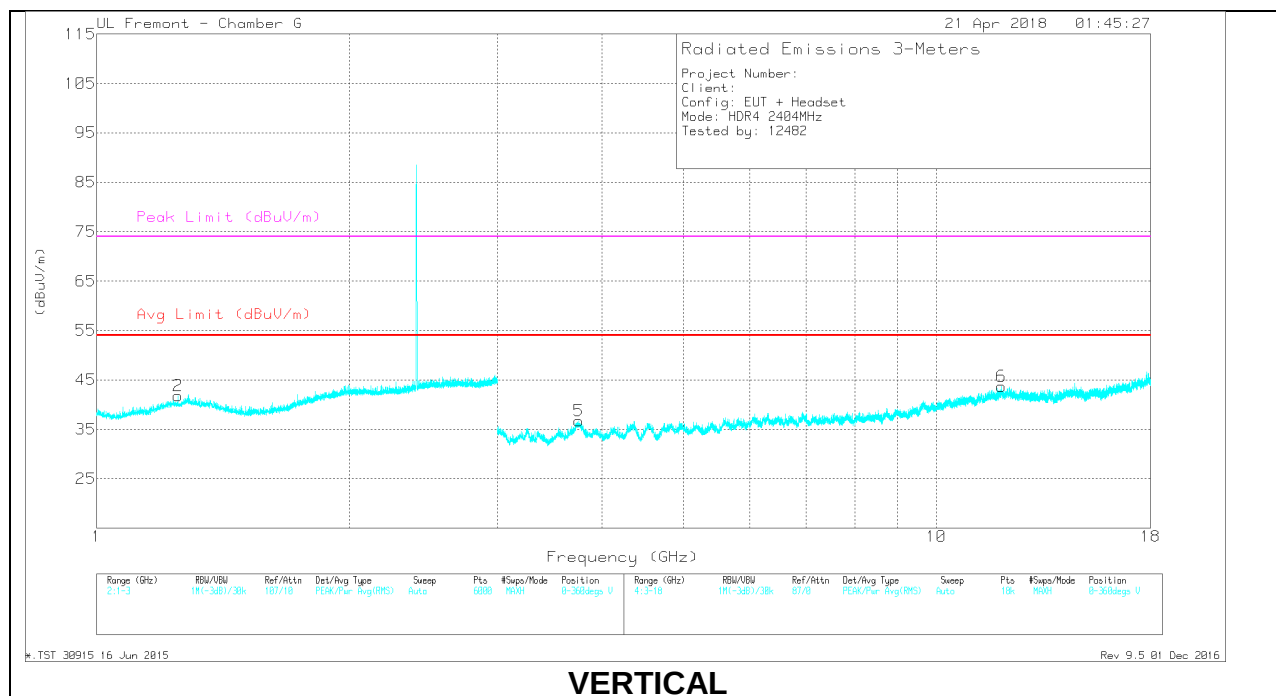
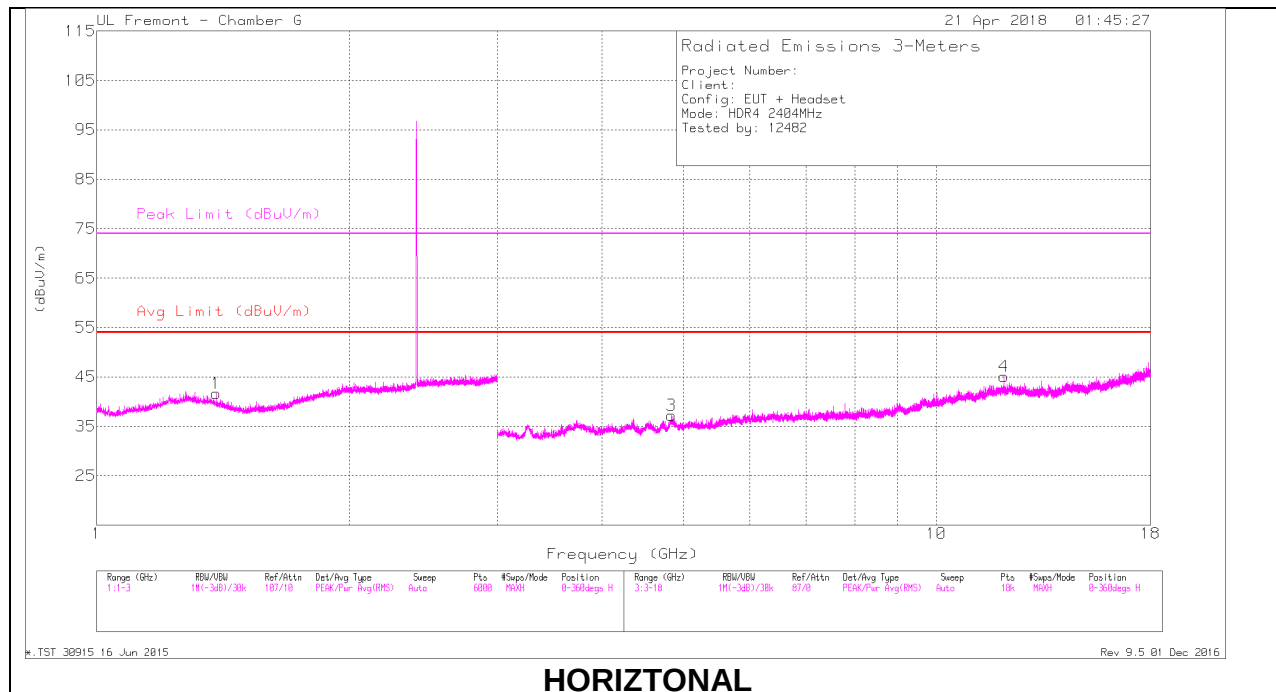
RMS - RMS detection

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

Rev 9.5 01 Dec 2016

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.388	44.32	PK2	29.2	-25.3	48.22	-	-	74	-25.78	192	143	H
	* 1.387	32.15	MAv1	29.2	-25.3	36.05	54	-17.95	-	-	192	143	H
2	* 1.249	44.27	PK2	29.7	-25.5	48.47	-	-	74	-25.53	79	169	V
	* 1.251	32.01	MAv1	29.7	-25.5	36.21	54	-17.79	-	-	79	169	V
3	* 4.834	41.22	PK2	34.3	-32.2	43.32	-	-	74	-30.68	78	390	H
	* 4.838	29.99	MAv1	34.3	-32.2	32.09	54	-21.91	-	-	78	390	H
4	* 12.043	36.58	PK2	39	-25.5	50.08	-	-	74	-23.92	187	159	H
	* 12.043	25.03	MAv1	39	-25.5	38.53	54	-15.47	-	-	187	159	H
5	* 3.756	40.3	PK2	33.9	-31.5	42.7	-	-	74	-31.3	265	162	V
	* 3.756	28.82	MAv1	33.9	-31.5	31.22	54	-22.78	-	-	265	162	V
6	* 11.971	35.73	PK2	39.1	-24.8	50.03	-	-	74	-23.97	338	254	V
	* 11.967	25.01	MAv1	39.1	-24.7	39.41	54	-14.59	-	-	338	254	V

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

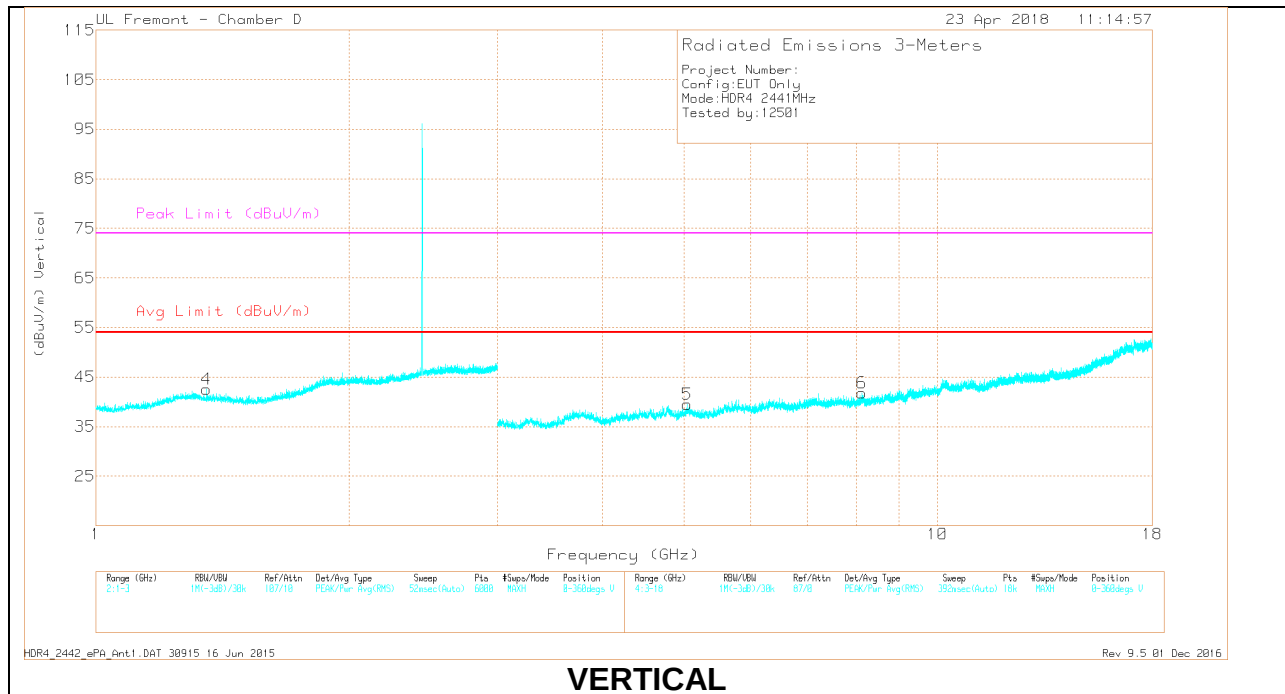
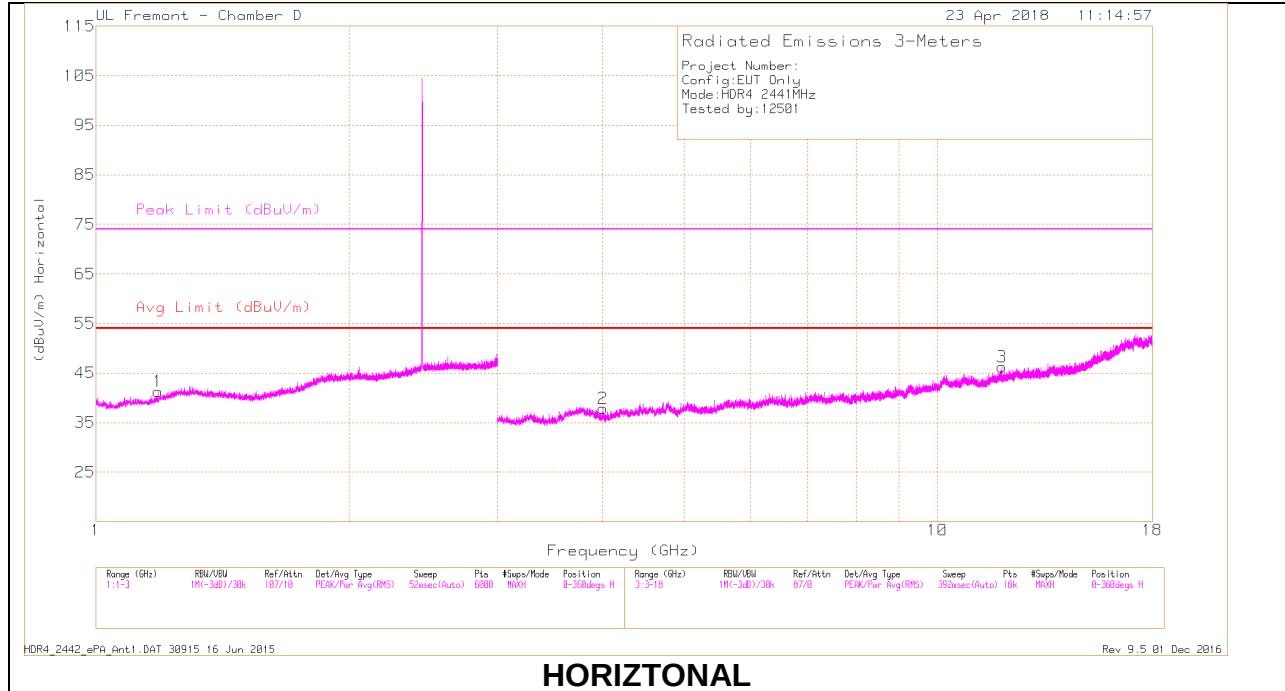
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

*.TST 30915 16 Jun 2015

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MID CHANNEL RESULTS



RADIATED EMISSIONS

Markers	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	* 1.184	41.76	PK2	28	-22.1	47.66	-	-	74	-26.34	151	333	H
	* 1.187	29.96	MAv1	28.1	-22.1	35.96	54	-18.04	-	-	151	333	H
4	* 1.353	43.14	PK2	28.8	-21.9	50.04	-	-	74	-23.96	116	226	V
	* 1.356	29.81	MAv1	28.8	-22	36.61	54	-17.39	-	-	116	226	V
2	* 4.004	37.94	PK2	33.6	-28.3	43.24	-	-	74	-30.76	196	278	H
	* 4.004	26.39	MAv1	33.6	-28.3	31.69	54	-22.31	-	-	196	278	H
3	* 11.936	33.13	PK2	38.7	-20.3	51.53	-	-	74	-22.47	161	212	H
	* 11.937	21.81	MAv1	38.7	-20.3	40.21	54	-13.79	-	-	161	212	H
5	* 5.042	37.45	PK2	34.4	-26.2	45.65	-	-	74	-28.35	297	354	V
	* 5.043	25.32	MAv1	34.4	-26.2	33.52	54	-20.48	-	-	297	354	V
6	* 8.13	34.93	PK2	35.8	-22.3	48.43	-	-	74	-25.57	23	342	V
	* 8.131	22.97	MAv1	35.8	-22.3	36.47	54	-17.53	-	-	23	342	V

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

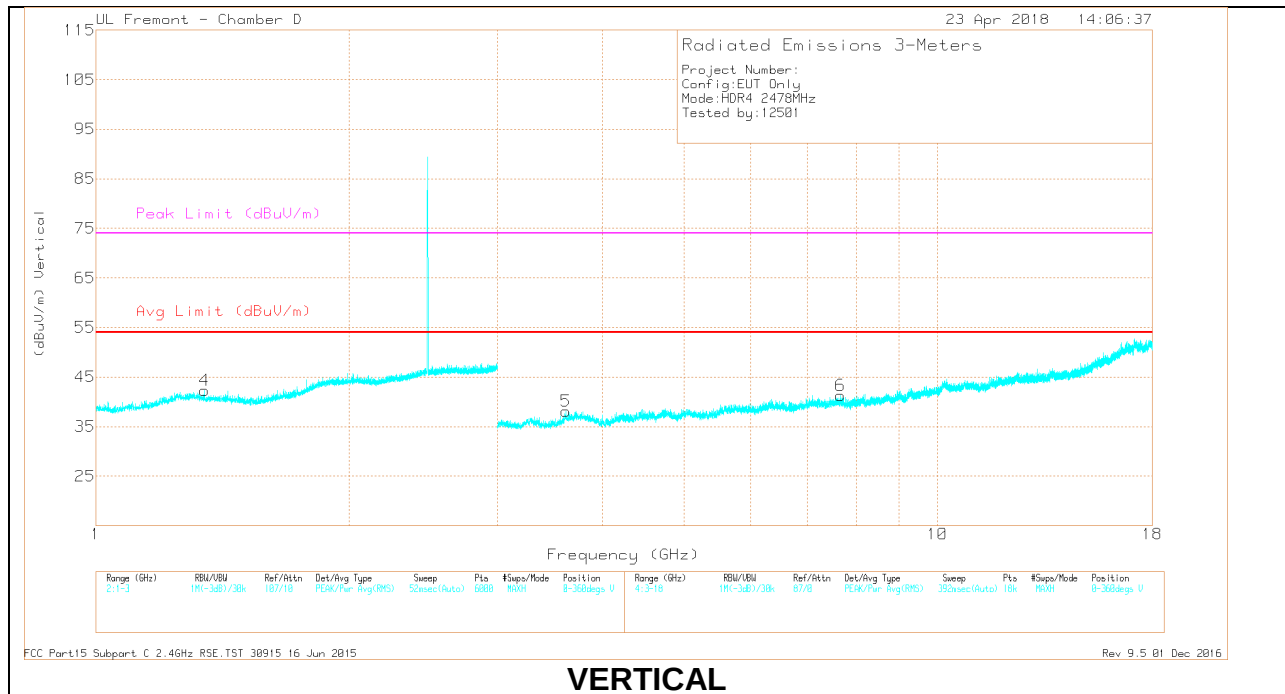
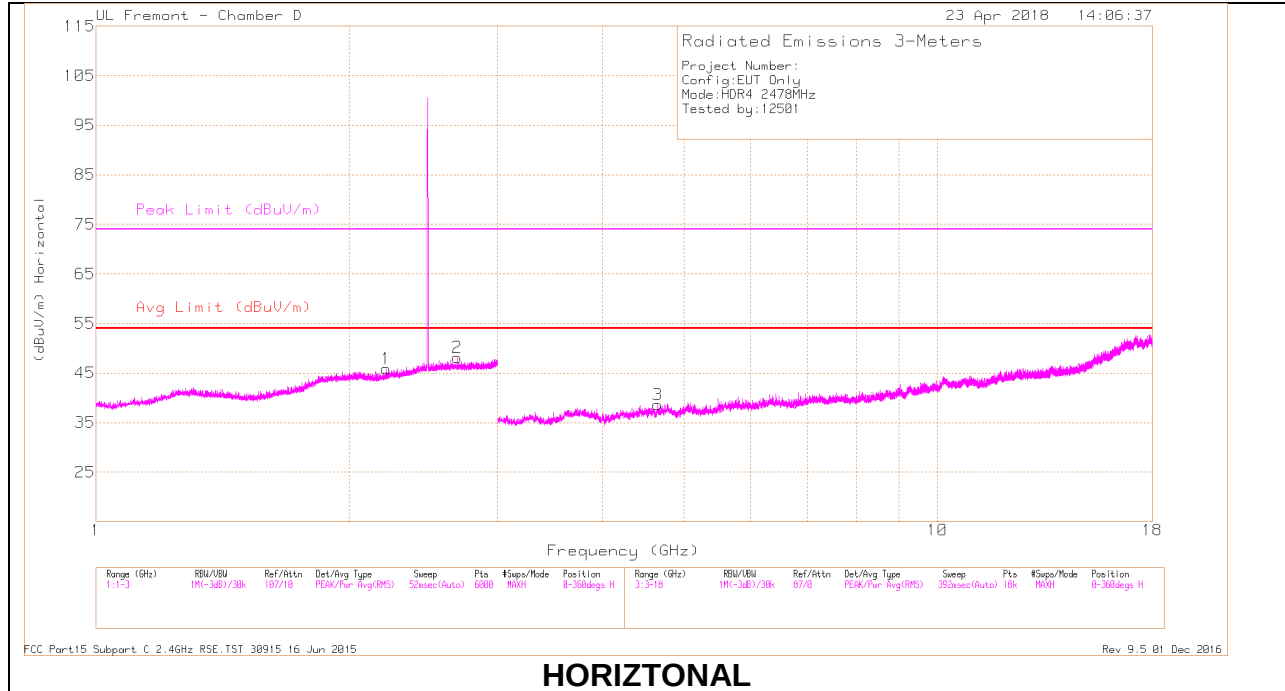
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HDR4_2442_ePA_Ant1.DAT 30915 16 Jun 2015

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HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Markers	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	* 2.212	41.91	PK2	31.2	-20.8	52.31	-	-	74	-21.69	72	306	H
	* 2.212	29.73	MAv1	31.2	-20.7	40.23	54	-13.67	-	-	72	306	H
2	* 2.687	41.79	PK2	32.6	-20.3	54.09	-	-	74	-19.91	49	115	H
	* 2.686	29.64	MAv1	32.6	-20.3	41.94	54	-12.06	-	-	49	115	H
4	* 1.348	41.98	PK2	28.9	-21.9	48.98	-	-	74	-25.02	46	148	V
	* 1.347	29.72	MAv1	28.9	-21.9	36.72	54	-17.28	-	-	46	148	V
3	* 4.653	37.97	PK2	34.6	-27.9	44.67	-	-	74	-29.33	105	192	H
	* 4.653	26.49	MAv1	34.6	-27.9	33.19	54	-20.81	-	-	105	192	H
5	* 3.619	37.96	PK2	33.6	-28.1	43.46	-	-	74	-30.54	265	196	V
	* 3.621	26.13	MAv1	33.6	-28.2	31.53	54	-22.47	-	-	265	196	V
6	* 7.672	35.86	PK2	36.1	-24.1	47.86	-	-	74	-26.14	74	354	V
	* 7.672	23.88	MAv1	36.1	-24.1	35.88	54	-18.12	-	-	74	354	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

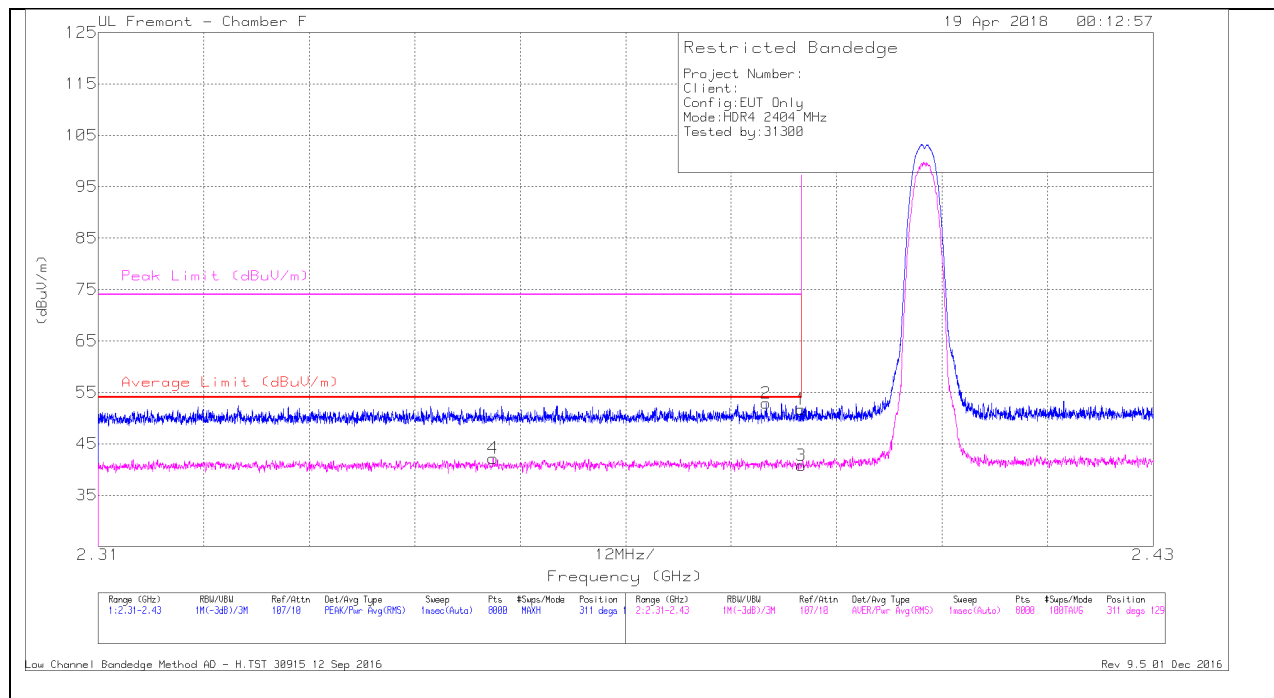
FCC Part15 Subpart C 2.4GHz RSE.TST 30915 16 Jun 2015

Rev 9.5 01 Dec 2016

ANT. 3

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	40.37	Pk	31.9	-20.6	51.67	-	-	74	-22.33	311	129	H
2	* 2.386	41.7	Pk	31.8	-20.6	52.9	-	-	74	-21.1	311	129	H
3	* 2.39	29.51	RMS	31.9	-20.6	40.81	54	-13.19	-	-	311	129	H
4	* 2.355	31.06	RMS	31.8	-20.7	42.16	54	-11.84	-	-	311	129	H

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

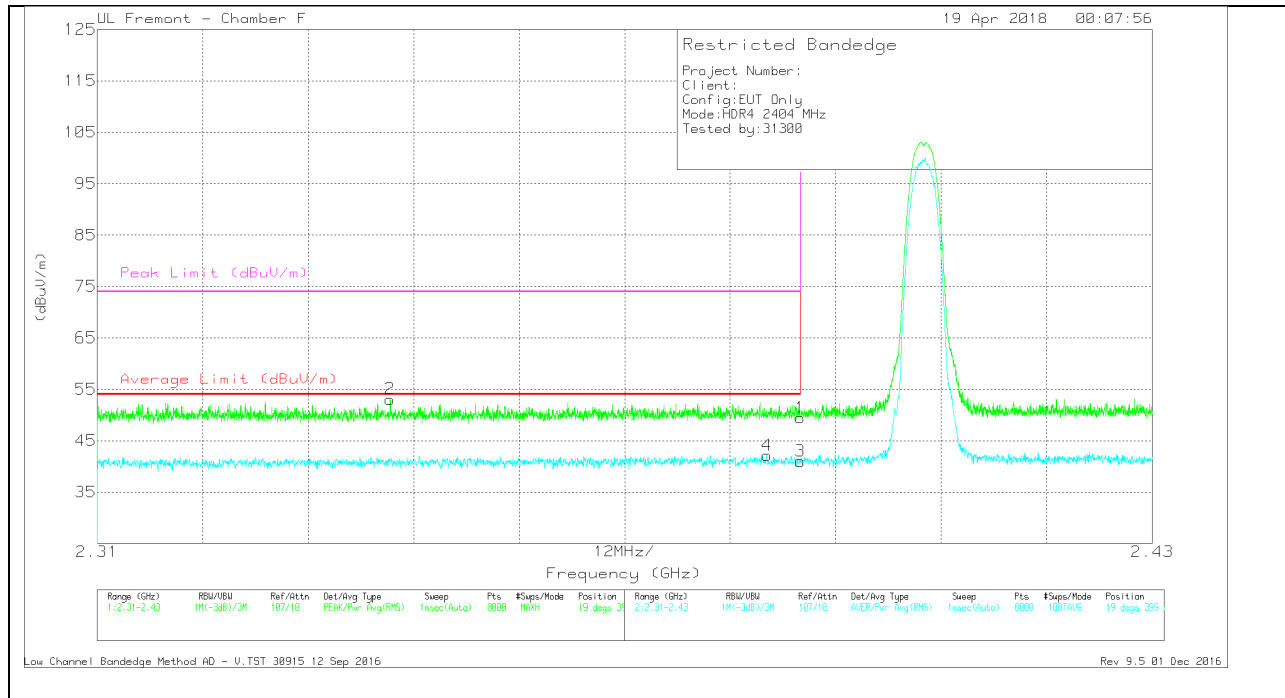
Pk - Peak detector

RMS - RMS detection

Low Channel Bandedge Method AD - H.TST 30915 12 Sep 2016

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VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	38.14	Pk	31.9	-20.6	49.44	-	-	74	-24.56	19	399	V
2	* 2.343	42.07	Pk	31.7	-20.7	53.07	-	-	74	-20.93	19	399	V
3	* 2.39	29.7	RMS	31.9	-20.6	41	54	-13	-	-	19	399	V
4	* 2.386	30.94	RMS	31.8	-20.6	42.14	54	-11.86	-	-	19	399	V

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

Pk - Peak detector

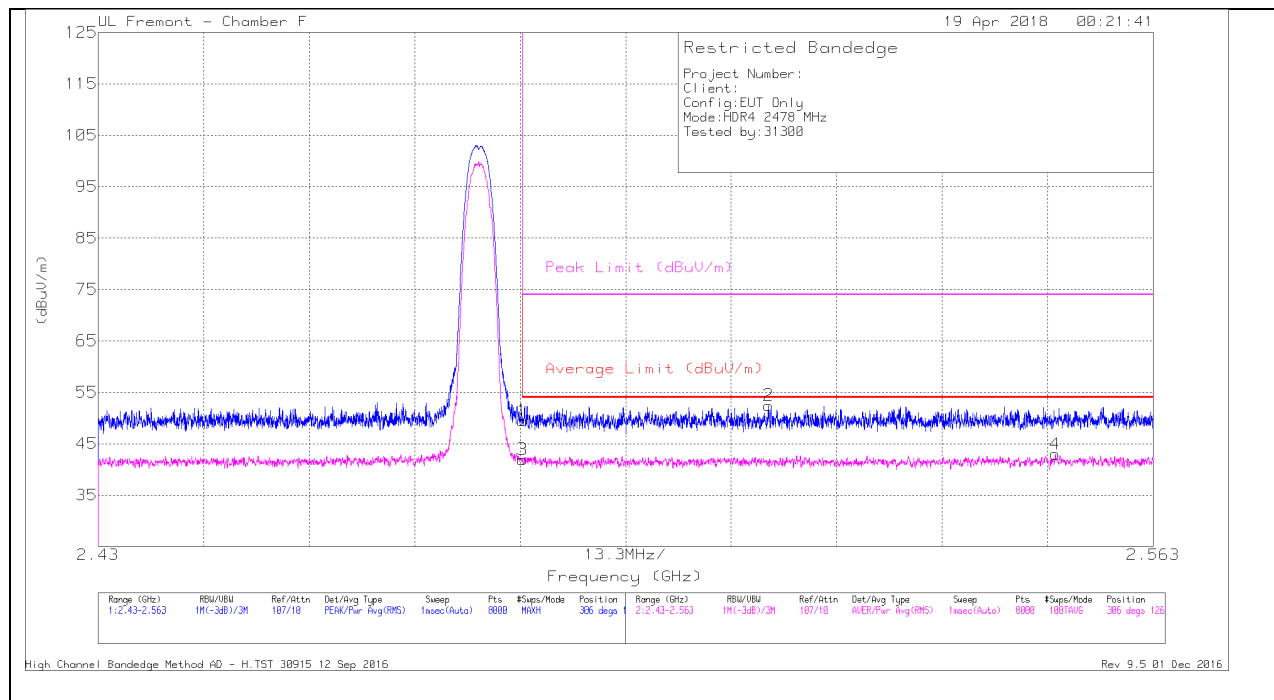
RMS - RMS detection

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BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT119 (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	38.11	Pk	32.1	-20.7	49.51	-	-	74	-24.49	306	126	H
2	2.514	40.93	Pk	32.2	-20.7	52.43	-	-	74	-21.57	306	126	H
3	* 2.484	30.52	RMS	32.1	-20.7	41.92	54	-12.08	-	-	306	126	H
4	2.551	31.26	RMS	32.2	-20.5	42.96	54	-11.04	-	-	306	126	H

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

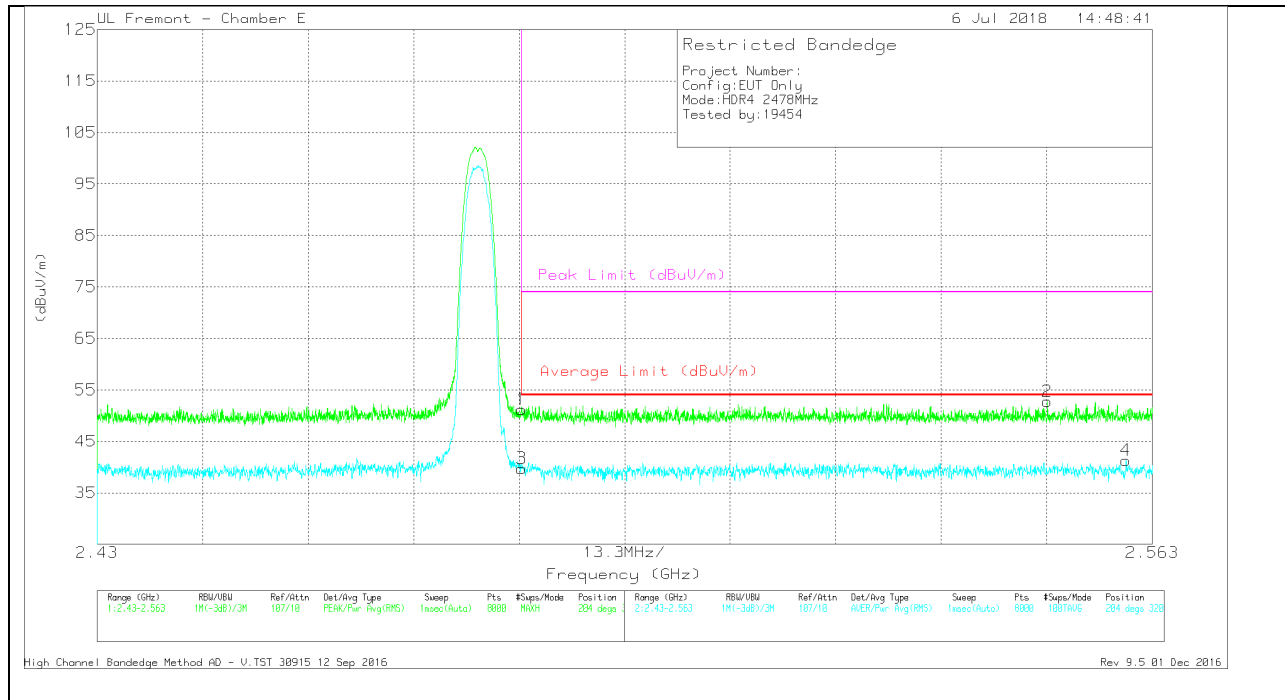
Pk - Peak detector

RMS - RMS detection

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

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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	* 2.484	41.43	Pk	32.1	-22.3	51.23	-	-	74	-22.77	204	320	V
3	* 2.484	29.94	RMS	32.1	-22.3	39.74	54	-14.26	-	-	204	320	V
2	2.55	42.96	Pk	32.1	-22.3	52.76	-	-	74	-21.24	204	320	V
4	2.56	31.5	RMS	32.1	-22.3	41.3	54	-12.7	-	-	204	320	V

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

Pk - Peak detector

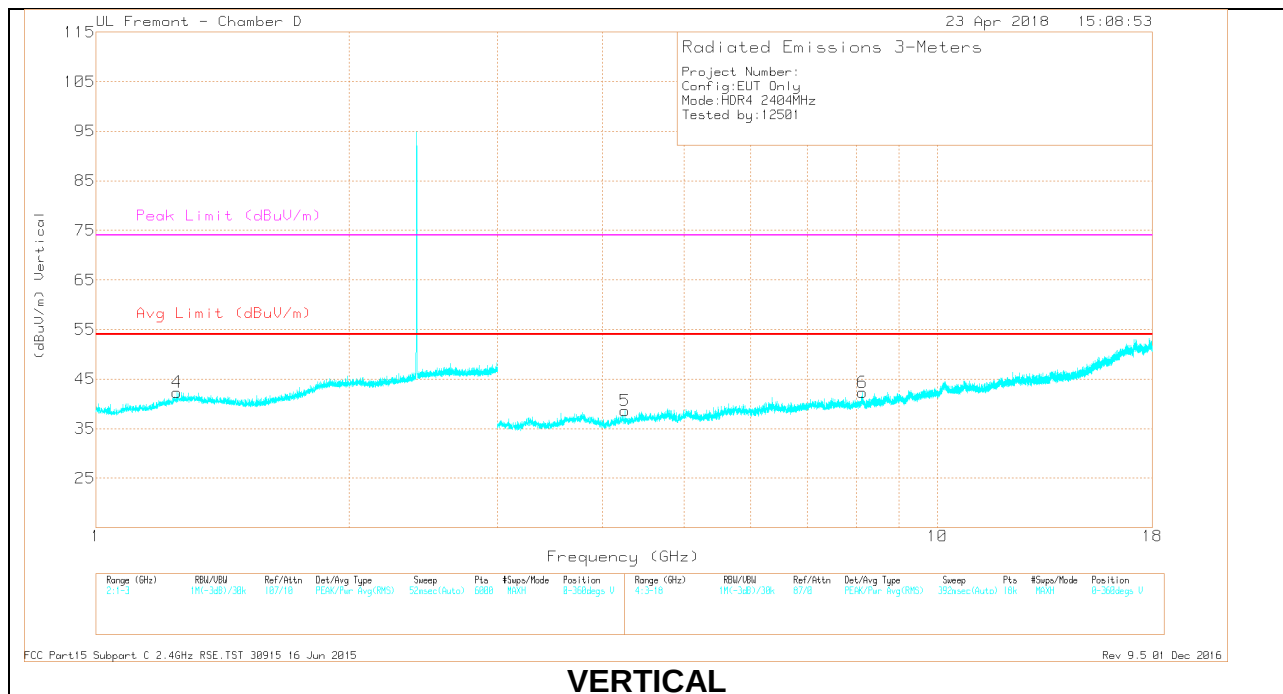
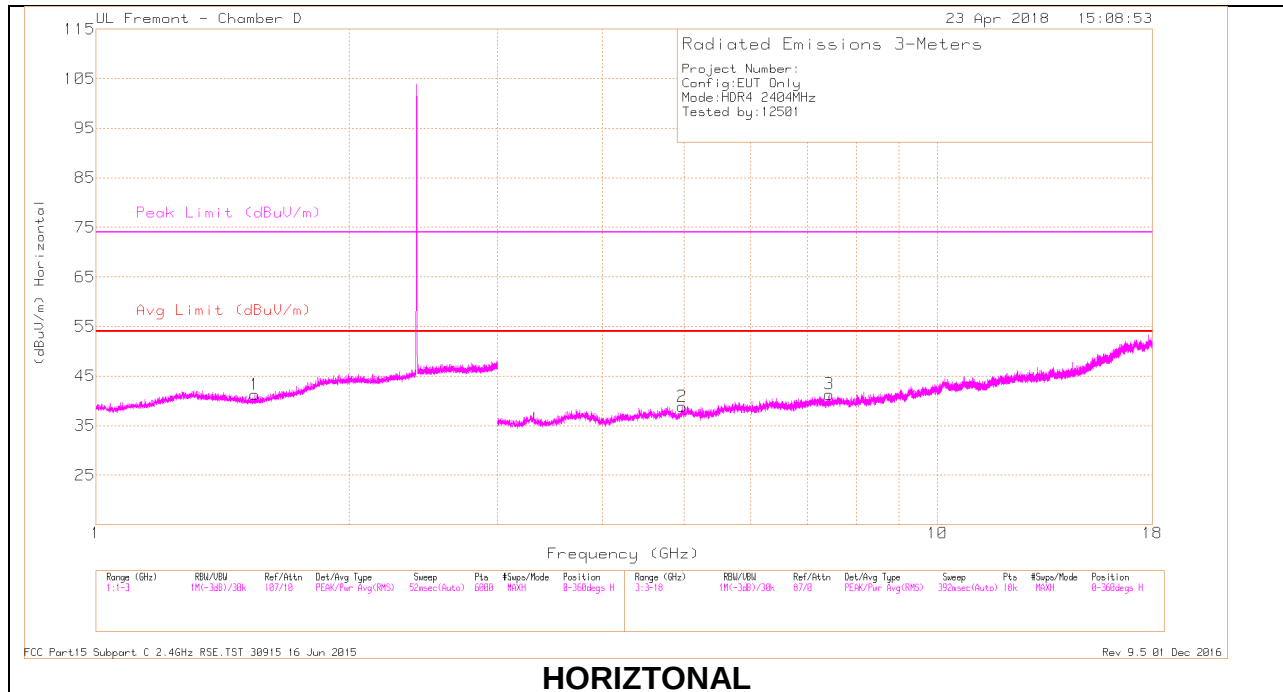
RMS - RMS detection

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HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

markers	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	* 1.542	42.04	PK2	28	-21.6	48.44	-	-	74	-25.56	75	163	H
	* 1.542	29.87	MAv1	28	-21.6	36.27	54	-17.73	-	-	75	163	H
4	* 1.248	42.43	PK2	29	-22	49.43	-	-	74	-24.57	154	323	V
	* 1.249	30.22	MAv1	29.1	-22	37.32	54	-16.68	-	-	154	323	V
2	* 4.97	37.47	PK2	34.3	-27.1	44.67	-	-	74	-29.33	20	357	H
	* 4.971	25.66	MAv1	34.3	-27.1	32.86	54	-21.14	-	-	20	357	H
3	* 7.441	35.48	PK2	36.2	-23.9	47.78	-	-	74	-26.22	334	147	H
	* 7.44	23.44	MAv1	36.2	-24	35.64	54	-18.36	-	-	334	147	H
5	* 4.25	36.94	PK2	33.8	-27.1	43.64	-	-	74	-30.36	221	165	V
	* 4.253	25.5	MAv1	33.8	-27.2	32.1	54	-21.9	-	-	221	165	V
6	* 8.143	35.54	PK2	35.8	-22.5	48.84	-	-	74	-25.16	323	189	V
	* 8.144	23.28	MAv1	35.8	-22.5	36.58	54	-17.42	-	-	323	189	V

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

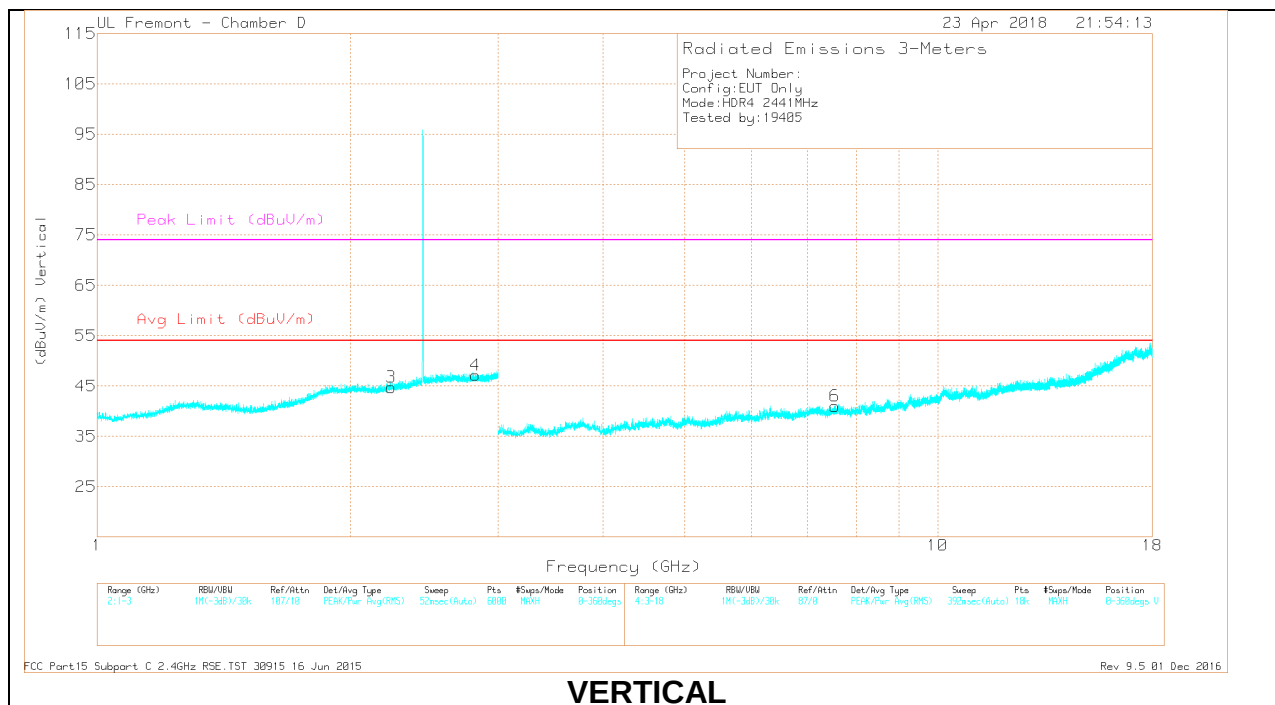
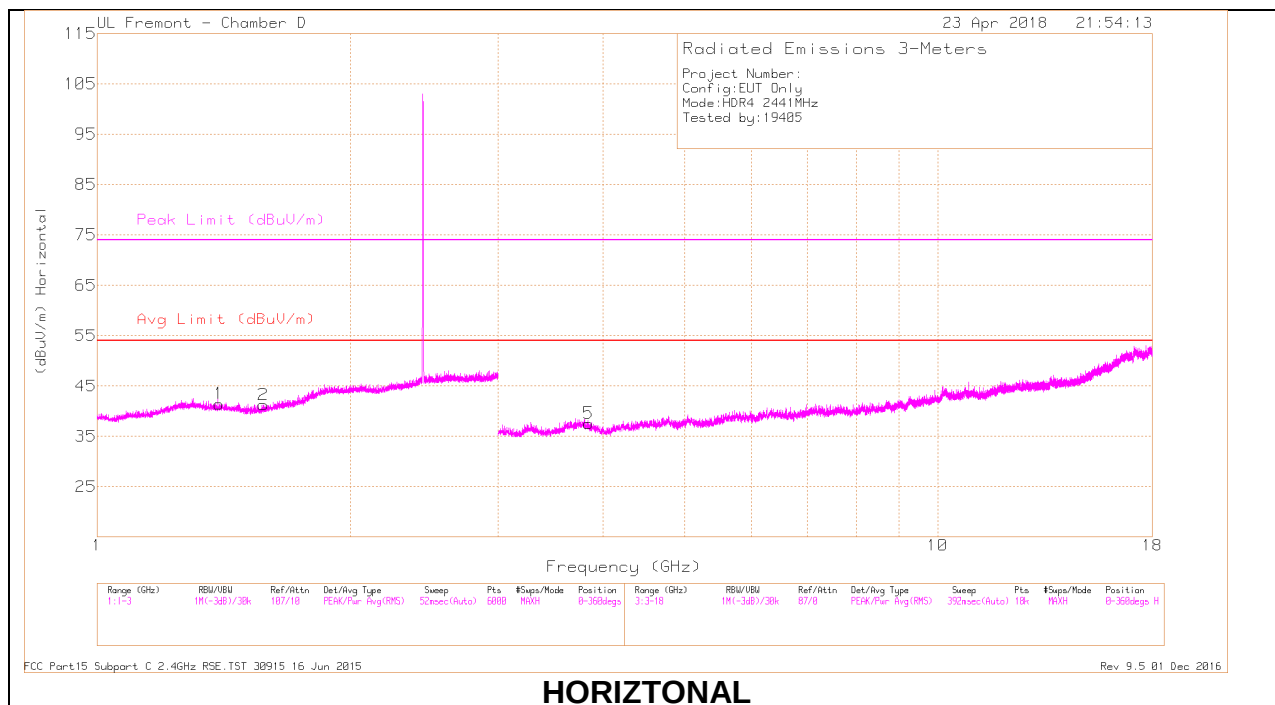
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

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

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MID CHANNEL RESULTS



RADIATED EMISSIONS

Markers	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	* 1.398	42.07	PK2	28.8	-21.9	48.97	-	-	74	-25.03	26	169	H
	* 1.398	30.26	MAv1	28.8	-21.9	37.16	54	-16.84	-	-	26	169	H
2	* 1.578	42.32	PK2	28.2	-21.6	48.92	-	-	74	-25.08	119	217	H
	* 1.578	30.34	MAv1	28.2	-21.6	36.94	54	-17.06	-	-	119	217	H
3	* 2.241	41.74	PK2	31.5	-20.7	52.54	-	-	74	-21.46	163	285	V
	* 2.238	30.16	MAv1	31.4	-20.8	40.76	54	-13.24	-	-	163	285	V
4	* 2.819	41.47	PK2	32.6	-20	54.07	-	-	74	-19.93	292	242	V
	* 2.821	29.97	MAv1	32.6	-20	42.57	54	-11.43	-	-	292	242	V
5	* 3.845	38.68	PK2	33.6	-28.3	43.98	-	-	74	-30.02	247	340	H
	* 3.845	27.6	MAv1	33.6	-28.3	32.9	54	-21.1	-	-	247	340	H
6	* 7.55	35.98	PK2	36.3	-24.6	47.68	-	-	74	-26.32	193	242	V
	* 7.548	24.73	MAv1	36.3	-24.5	36.53	54	-17.47	-	-	193	242	V

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

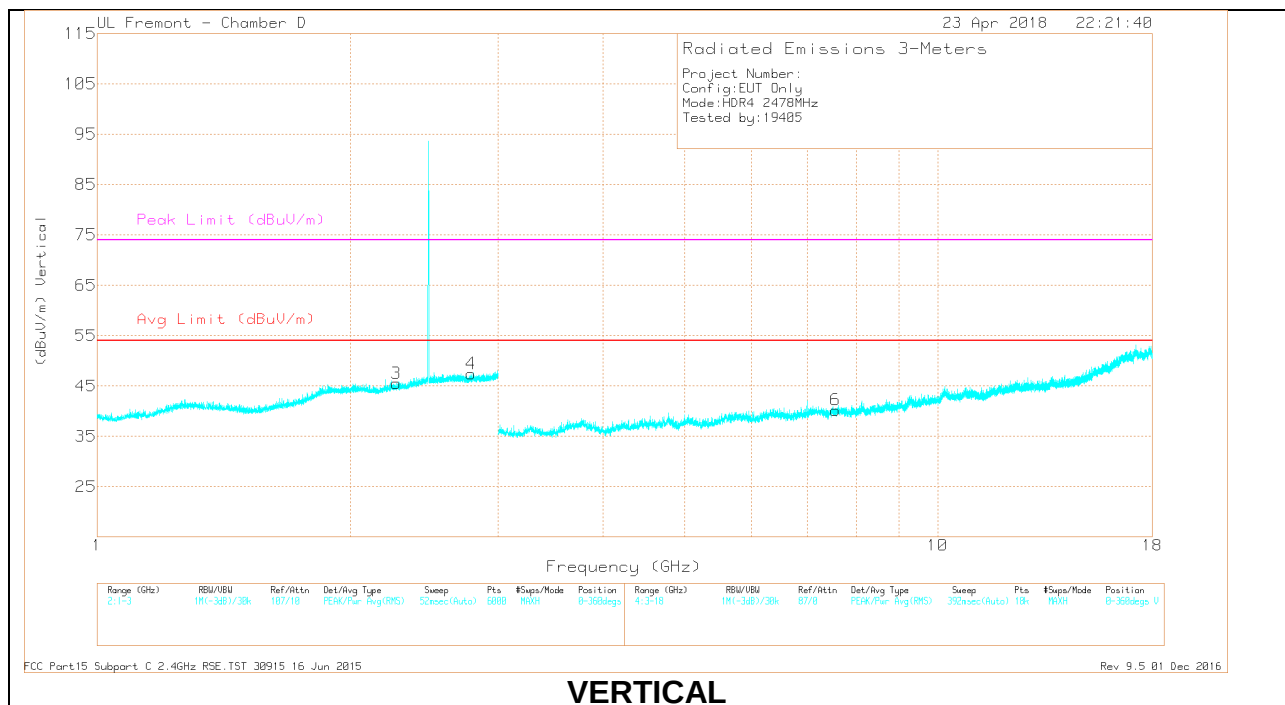
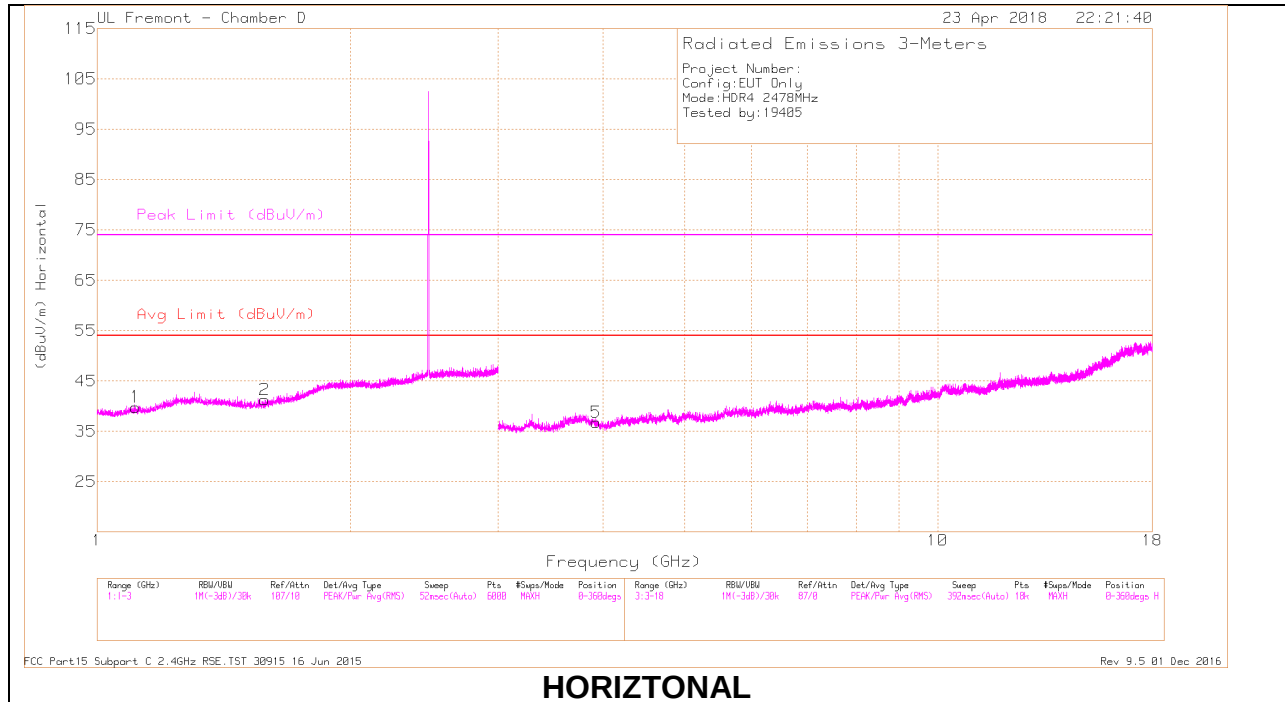
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

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

Rev 9.5 01 Dec 2016

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Markers	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	* 1.11	42.13	PK2	27.4	-22.3	47.23	-	-	74	-26.77	253	318	H
	* 1.111	30.58	MAv1	27.4	-22.3	35.68	54	-18.32	-	-	253	318	H
2	* 1.583	42.12	PK2	28.2	-21.6	48.72	-	-	74	-25.28	164	248	H
	* 1.584	30.25	MAv1	28.2	-21.6	36.85	54	-17.15	-	-	164	248	H
3	* 2.272	42.15	PK2	31.5	-20.7	52.95	-	-	74	-21.05	249	123	V
	* 2.271	30.33	MAv1	31.5	-20.7	41.13	54	-12.87	-	-	249	123	V
4	* 2.786	41.63	PK2	32.6	-20.1	54.13	-	-	74	-19.87	317	207	V
	* 2.788	30.1	MAv1	32.6	-20.1	42.6	54	-11.4	-	-	317	207	V
5	* 3.924	37.29	PK2	33.6	-27.8	43.09	-	-	74	-30.91	348	121	H
	* 3.922	26.54	MAv1	33.6	-27.7	32.44	54	-21.56	-	-	348	121	H
6	* 7.557	35.68	PK2	36.3	-24.4	47.58	-	-	74	-26.42	261	121	V
	* 7.559	24.5	MAv1	36.3	-24.4	36.4	54	-17.6	-	-	261	121	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

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

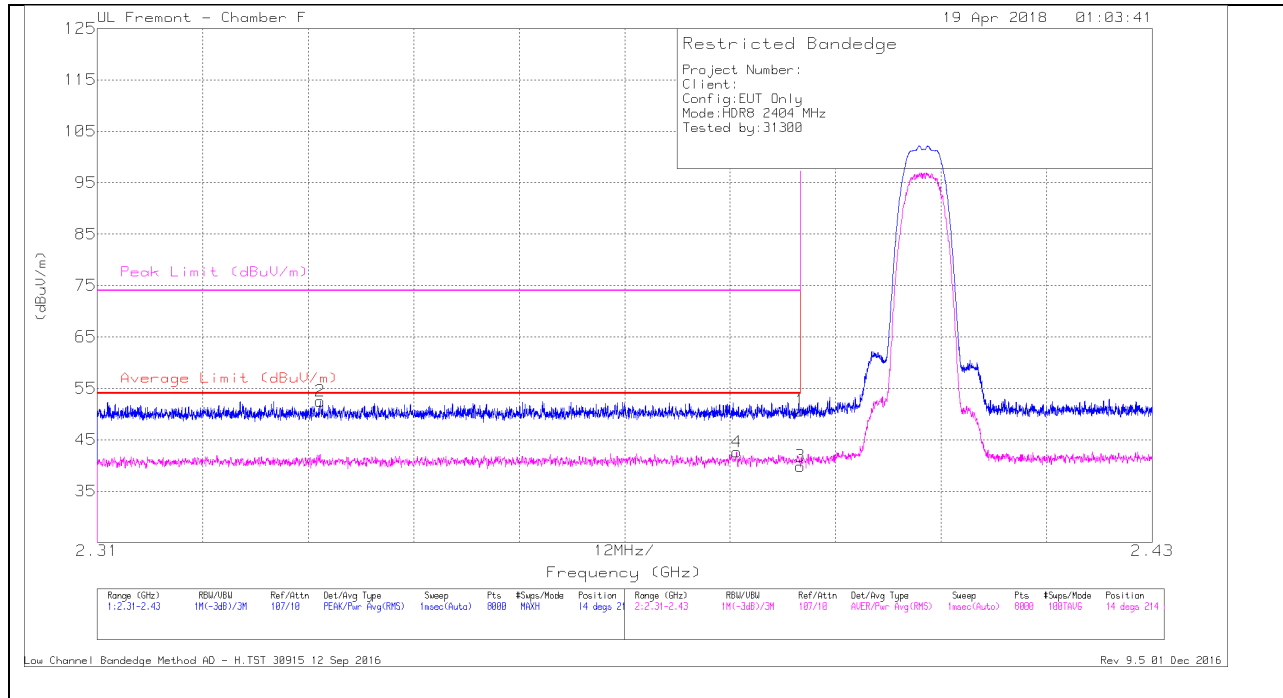
Rev 9.5 01 Dec 2016

9.2.2. HIGH POWER HDR8

ANT. 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	39.34	Pk	31.9	-20.6	50.64	-	-	74	-23.36	14	214	H
2	* 2.335	41.49	Pk	31.7	-20.7	52.49	-	-	74	-21.51	14	214	H
3	* 2.39	28.57	RMS	31.9	-20.6	39.87	54	-14.13	-	-	14	214	H
4	* 2.383	31.44	RMS	31.8	-20.6	42.64	54	-11.36	-	-	14	214	H

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

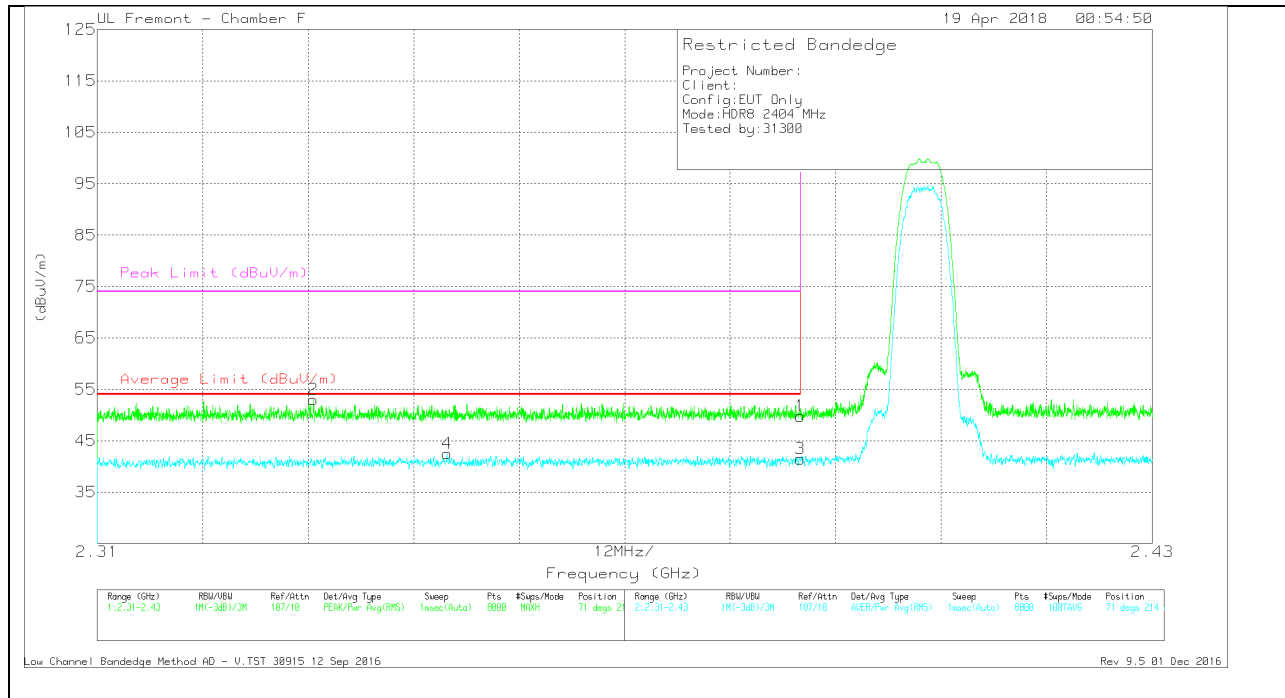
Pk - Peak detector

RMS - RMS detection

Low Channel Bandedge Method AD - H.TST 30915 12 Sep 2016

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VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	38.5	Pk	31.9	-20.6	49.8	-	-	74	-24.2	71	214	V
2	* 2.335	42	Pk	31.7	-20.7	53	-	-	74	-21	71	214	V
3	* 2.39	30.19	RMS	31.9	-20.6	41.49	54	-12.51	-	-	71	214	V
4	* 2.35	31.49	RMS	31.7	-20.7	42.49	54	-11.51	-	-	71	214	V

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

Pk - Peak detector

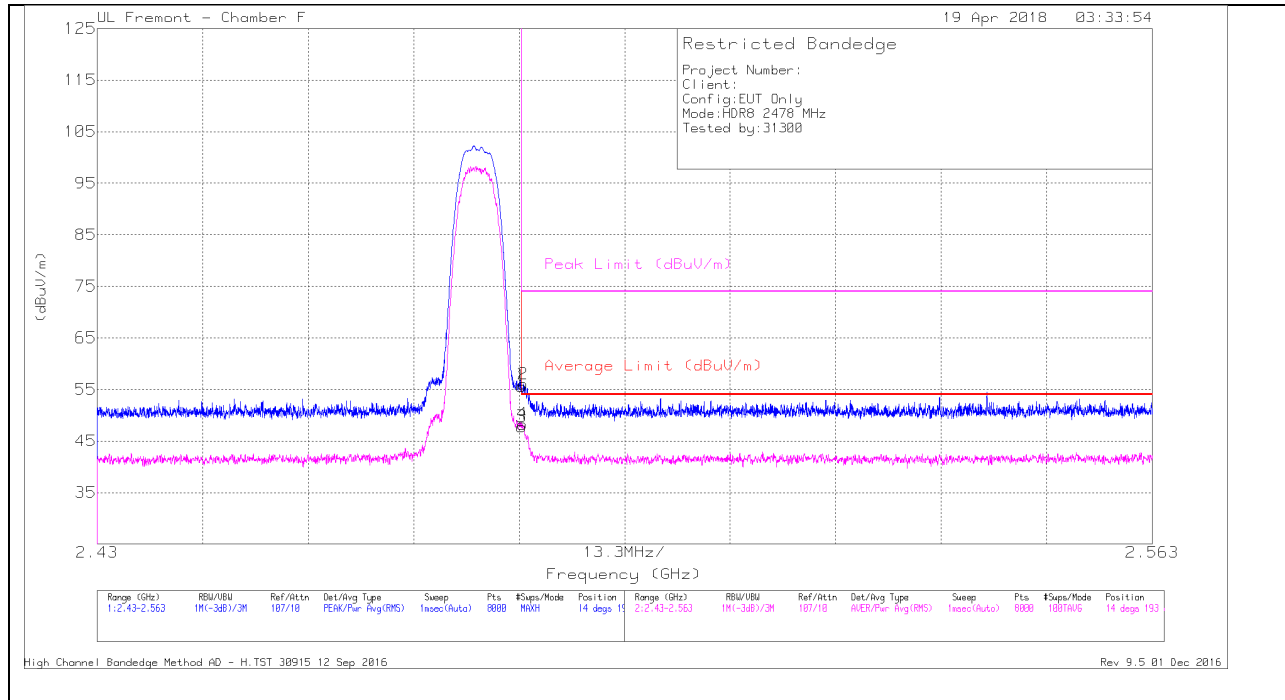
RMS - RMS detection

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

Rev 9.5 01 Dec 2016

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	44.24	Pk	32.1	-20.7	55.64	-	-	74	-18.36	14	193	H
2	* 2.484	44.66	Pk	32.1	-20.7	56.06	-	-	74	-17.94	14	193	H
3	* 2.484	36.38	RMS	32.1	-20.7	47.78	54	-6.22	-	-	14	193	H
4	* 2.484	36.9	RMS	32.1	-20.7	48.3	54	-5.7	-	-	14	193	H

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

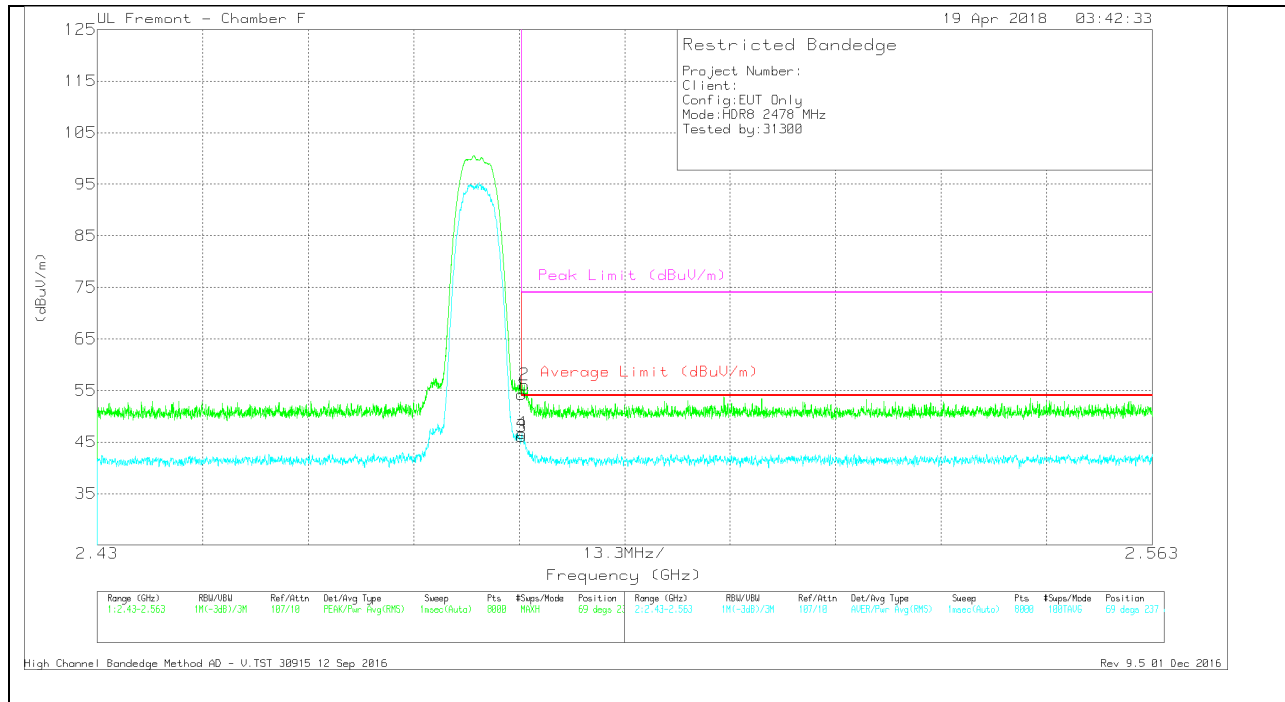
Pk - Peak detector

RMS - RMS detection

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

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VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/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	42.83	Pk	32.1	-20.7	54.23	-	-	74	-19.77	69	237	V
2	* 2.484	44.71	Pk	32.1	-20.7	56.11	-	-	74	-17.89	69	237	V
3	* 2.484	34.67	RMS	32.1	-20.7	46.07	54	-7.93	-	-	69	237	V
4	* 2.484	35.3	RMS	32.1	-20.7	46.7	54	-7.3	-	-	69	237	V

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

Pk - Peak detector

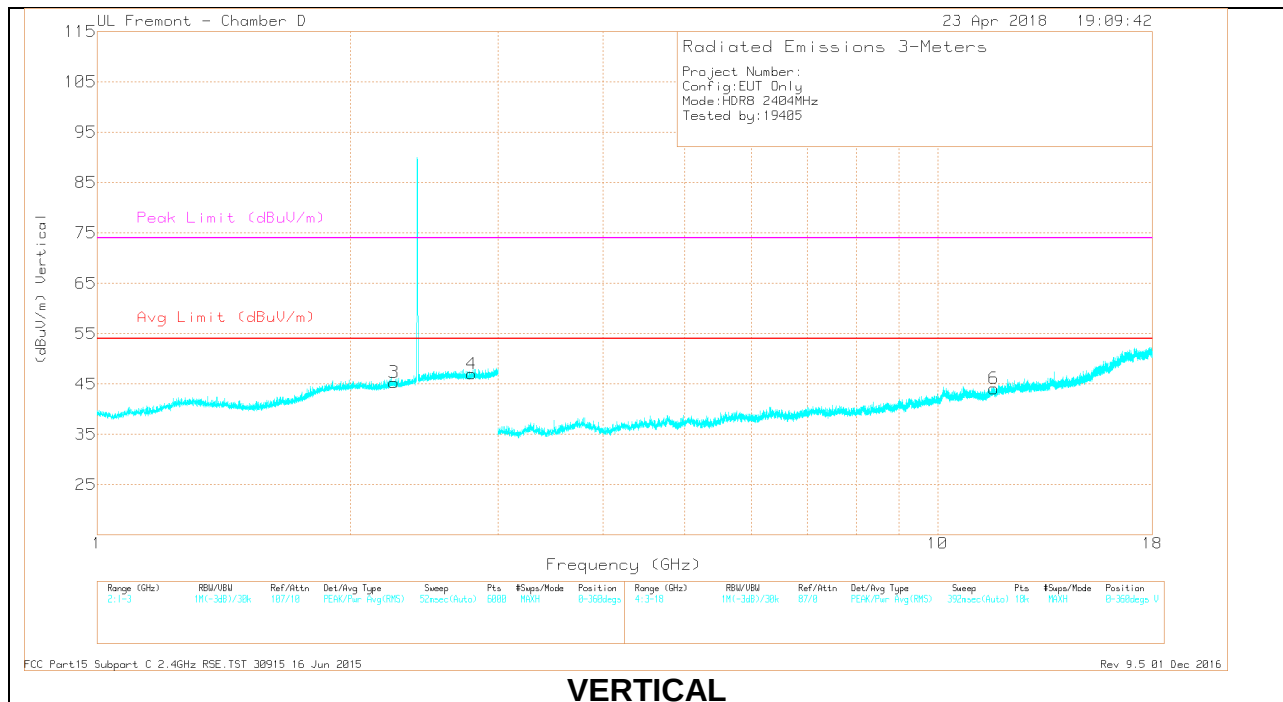
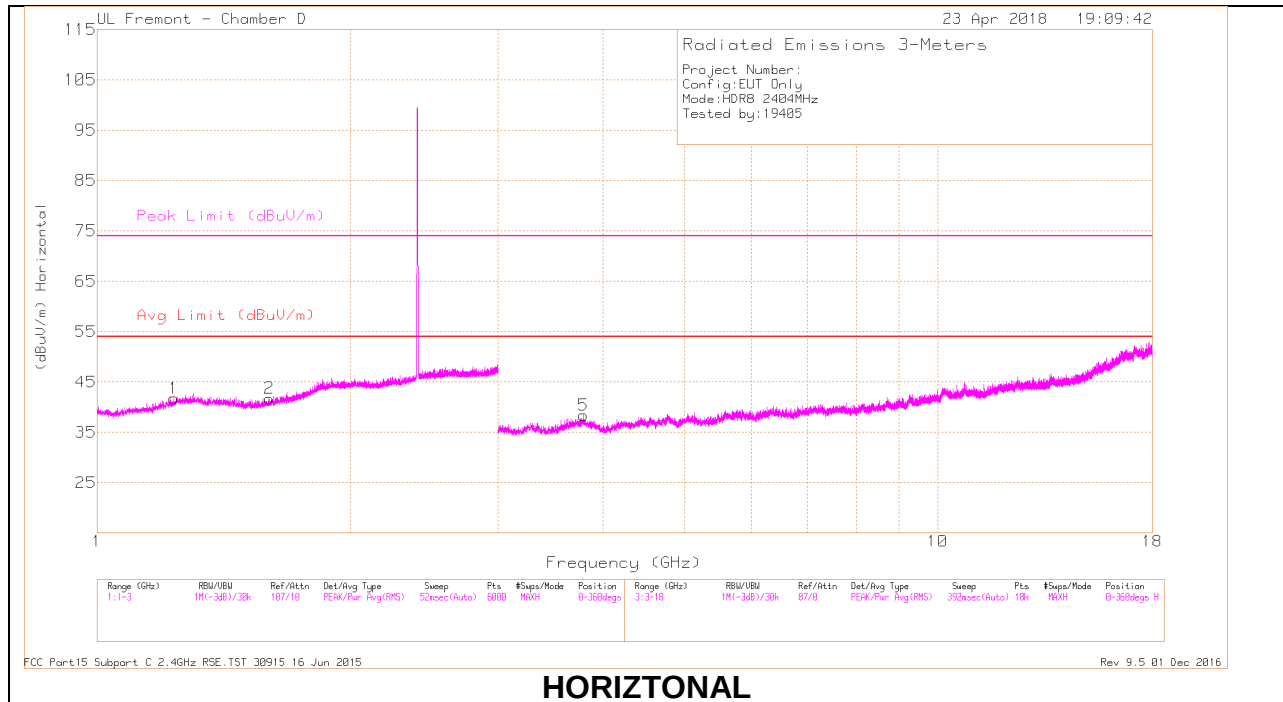
RMS - RMS detection

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

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HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

Markers	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	* 1.234	42.03	PK2	28.8	-22	48.83	-	-	74	-25.17	185	232	H
	* 1.233	30.59	MAv1	28.8	-22	37.39	54	-16.61	-	-	185	232	H
2	* 1.602	43.03	PK2	28.4	-21.5	49.93	-	-	74	-24.07	246	107	H
	* 1.602	30.39	MAv1	28.4	-21.5	37.29	54	-16.71	-	-	246	107	H
3	* 2.255	42.82	PK2	31.5	-20.8	53.52	-	-	74	-20.48	305	211	V
	* 2.256	30.6	MAv1	31.5	-20.8	41.3	54	-12.7	-	-	305	211	V
4	* 2.792	41.95	PK2	32.6	-20	54.55	-	-	74	-19.45	151	293	V
	* 2.791	30.29	MAv1	32.6	-20	42.89	54	-11.11	-	-	151	293	V
5	* 3.789	37.76	PK2	33.6	-28	43.36	-	-	74	-30.64	86	216	H
	* 3.791	26.75	MAv1	33.6	-28	32.35	54	-21.65	-	-	86	216	H
6	* 11.661	32.87	PK2	38.4	-19.7	51.57	-	-	74	-22.43	61	312	V
	* 11.658	21.5	MAv1	38.4	-19.7	40.2	54	-13.8	-	-	61	312	V

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

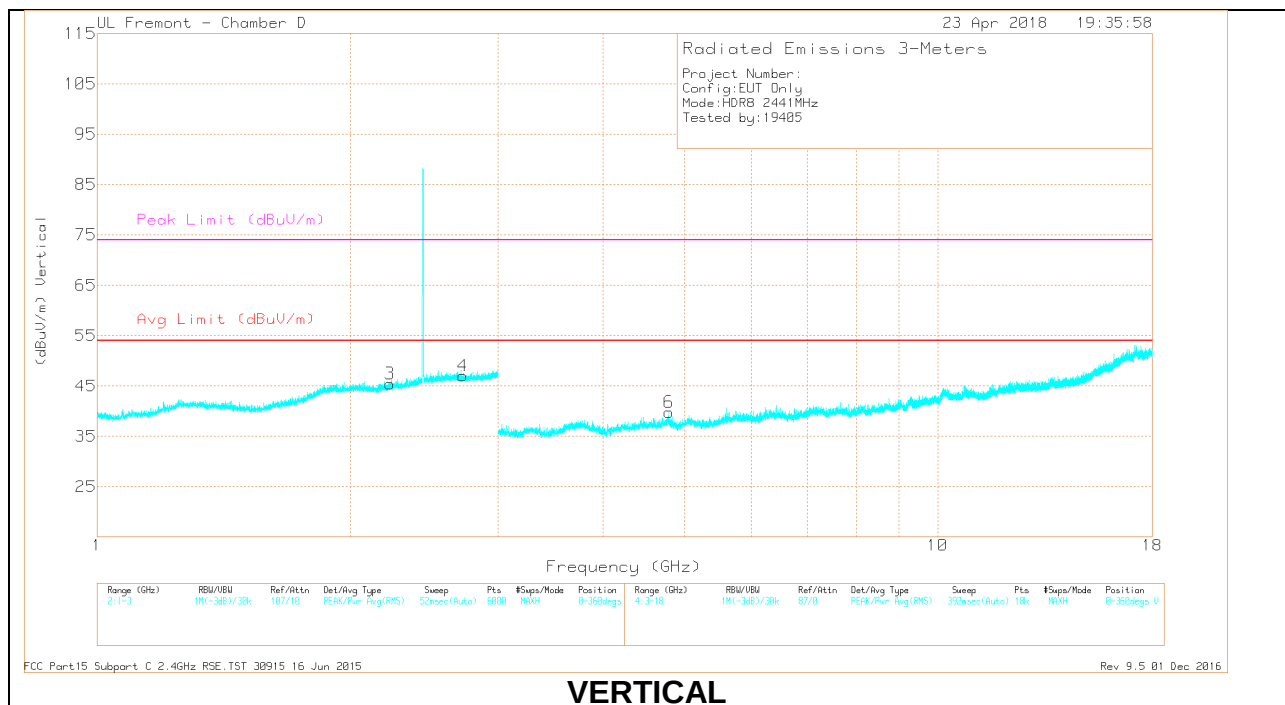
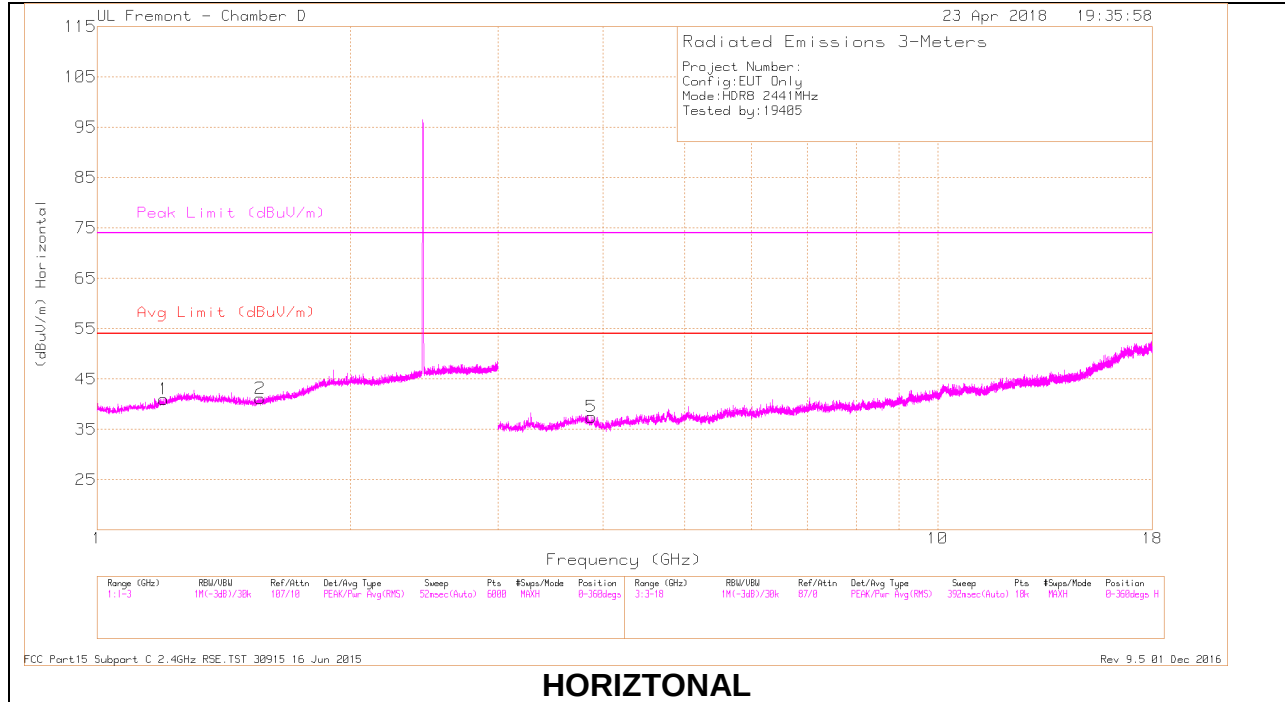
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

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

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MID CHANNEL RESULTS



RADIATED EMISSIONS

Markers	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	* 1.202	41.91	PK2	28.3	-22.2	48.01	-	-	74	-25.99	39	237	H
	* 1.199	30.52	MAv1	28.3	-22.1	36.72	54	-17.28	-	-	39	237	H
2	* 1.565	41.66	PK2	28.1	-21.6	48.16	-	-	74	-25.84	149	307	H
	* 1.564	30.39	MAv1	28.1	-21.6	36.89	54	-17.11	-	-	149	307	H
3	* 2.231	41.79	PK2	31.4	-20.7	52.49	-	-	74	-21.51	106	264	V
	* 2.229	30.25	MAv1	31.4	-20.7	40.95	54	-13.05	-	-	106	264	V
4	* 2.723	42.3	PK2	32.6	-20.2	54.7	-	-	74	-19.3	228	139	V
	* 2.721	30.12	MAv1	32.6	-20.2	42.52	54	-11.48	-	-	228	139	V
5	* 3.873	38.31	PK2	33.6	-28.2	43.71	-	-	74	-30.29	129	295	H
	* 3.874	27.2	MAv1	33.6	-28.1	32.7	54	-21.3	-	-	129	295	H
6	* 4.79	37.16	PK2	34.5	-26.2	45.46	-	-	74	-28.54	282	190	V
	* 4.789	26.19	MAv1	34.5	-26.2	34.49	54	-19.51	-	-	282	190	V

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

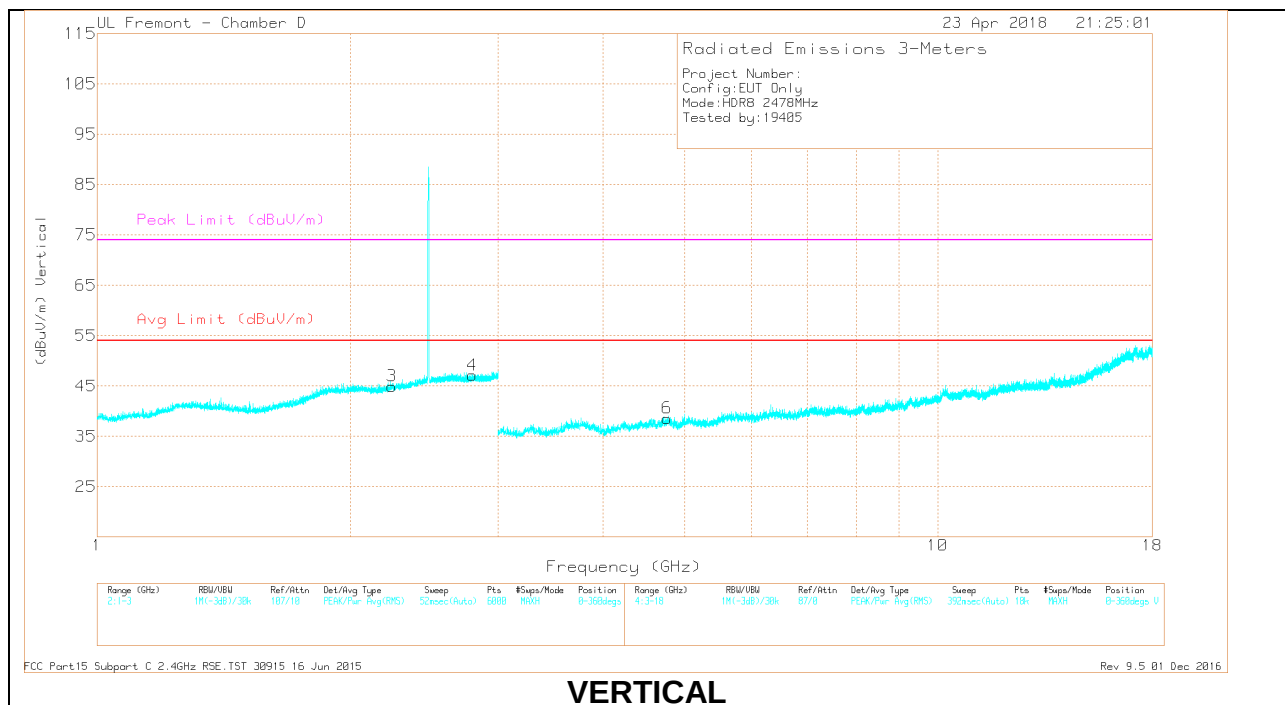
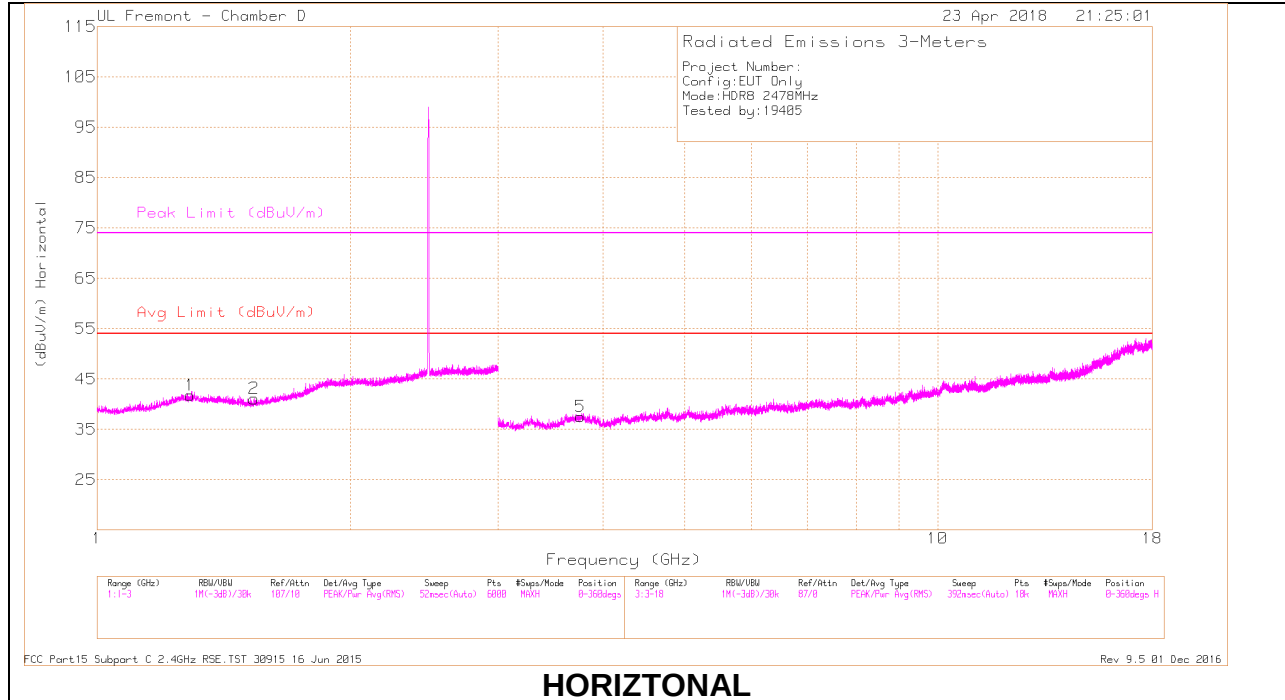
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

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

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HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Markers	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	* 1.291	41.8	PK2	29.3	-22	49.1	-	-	74	-24.9	316	162	H
	* 1.289	30.36	MAv1	29.3	-22	37.66	54	-16.34	-	-	316	162	H
2	* 1.536	42.04	PK2	28	-21.7	48.34	-	-	74	-25.66	277	219	H
	* 1.538	30.27	MAv1	28	-21.7	36.57	54	-17.43	-	-	277	219	H
3	* 2.241	42.48	PK2	31.5	-20.7	53.28	-	-	74	-20.72	226	316	V
	* 2.242	30.22	MAv1	31.5	-20.7	41.02	54	-12.98	-	-	226	316	V
4	* 2.795	41.97	PK2	32.6	-20	54.57	-	-	74	-19.43	170	214	V
	* 2.794	29.97	MAv1	32.6	-20	42.57	54	-11.43	-	-	170	214	V
5	* 3.755	38.29	PK2	33.5	-27.9	43.89	-	-	74	-30.11	246	130	H
	* 3.758	27	MAv1	33.5	-27.9	32.6	54	-21.4	-	-	246	130	H
6	* 4.768	38.48	PK2	34.5	-26.3	46.68	-	-	74	-27.32	146	284	V
	* 4.768	26.9	MAv1	34.5	-26.3	35.1	54	-18.9	-	-	146	284	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

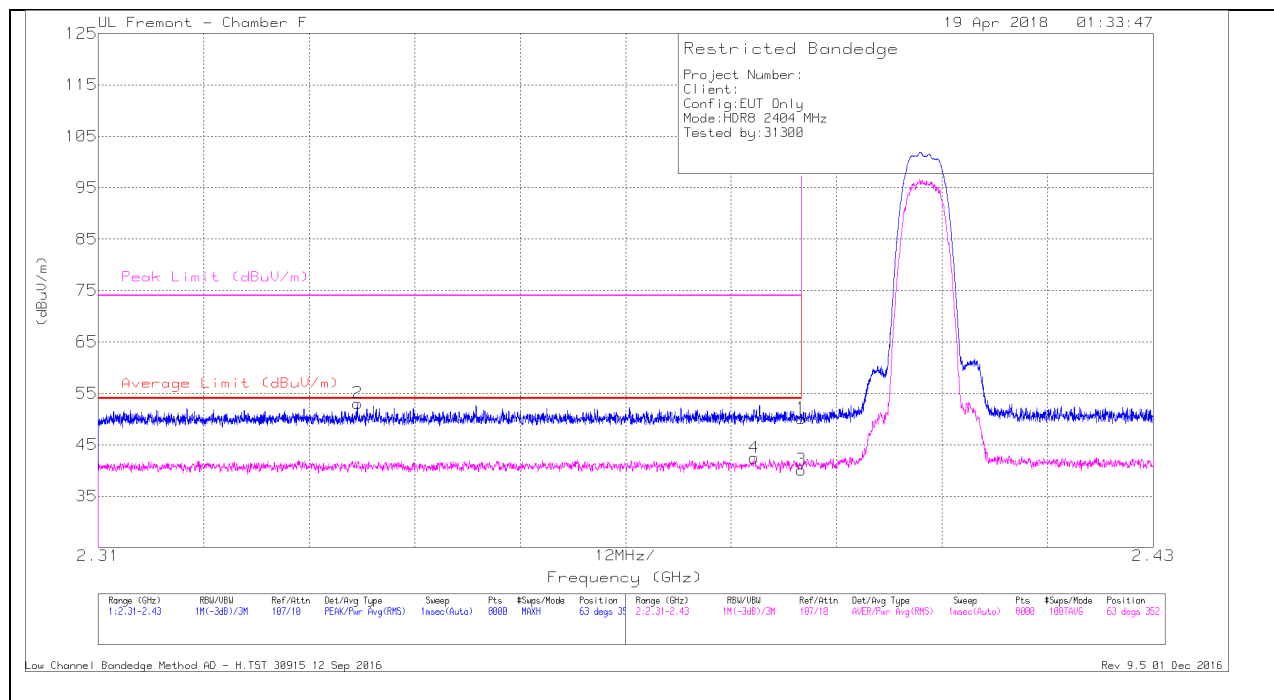
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ANT. 3, HDR8

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT119 (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	38.84	Pk	31.9	-20.6	50.14	-	-	74	-23.86	63	352	H
2	* 2.34	42.07	Pk	31.7	-20.7	53.07	-	-	74	-20.93	63	352	H
3	* 2.39	28.8	RMS	31.9	-20.6	40.1	54	-13.9	-	-	63	352	H
4	* 2.385	31.27	RMS	31.8	-20.6	42.47	54	-11.53	-	-	63	352	H

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

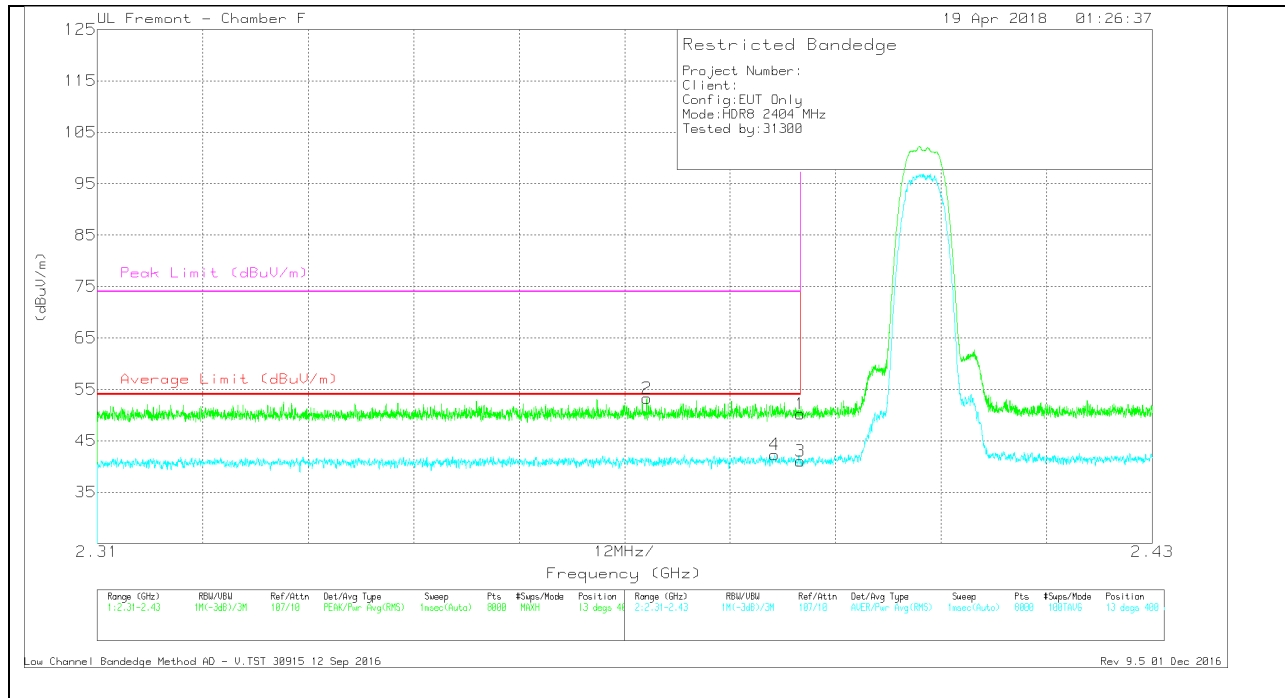
Pk - Peak detector

RMS - RMS detection

Low Channel Bandedge Method AD - H.TST 30915 12 Sep 2016

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VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	38.89	Pk	31.9	-20.6	50.19	-	-	74	-23.81	13	400	V
2	* 2.373	42.07	Pk	31.8	-20.6	53.27	-	-	74	-20.73	13	400	V
3	* 2.39	29.74	RMS	31.9	-20.6	41.04	54	-12.96	-	-	13	400	V
4	* 2.387	30.98	RMS	31.9	-20.6	42.28	54	-11.72	-	-	13	400	V

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

Pk - Peak detector

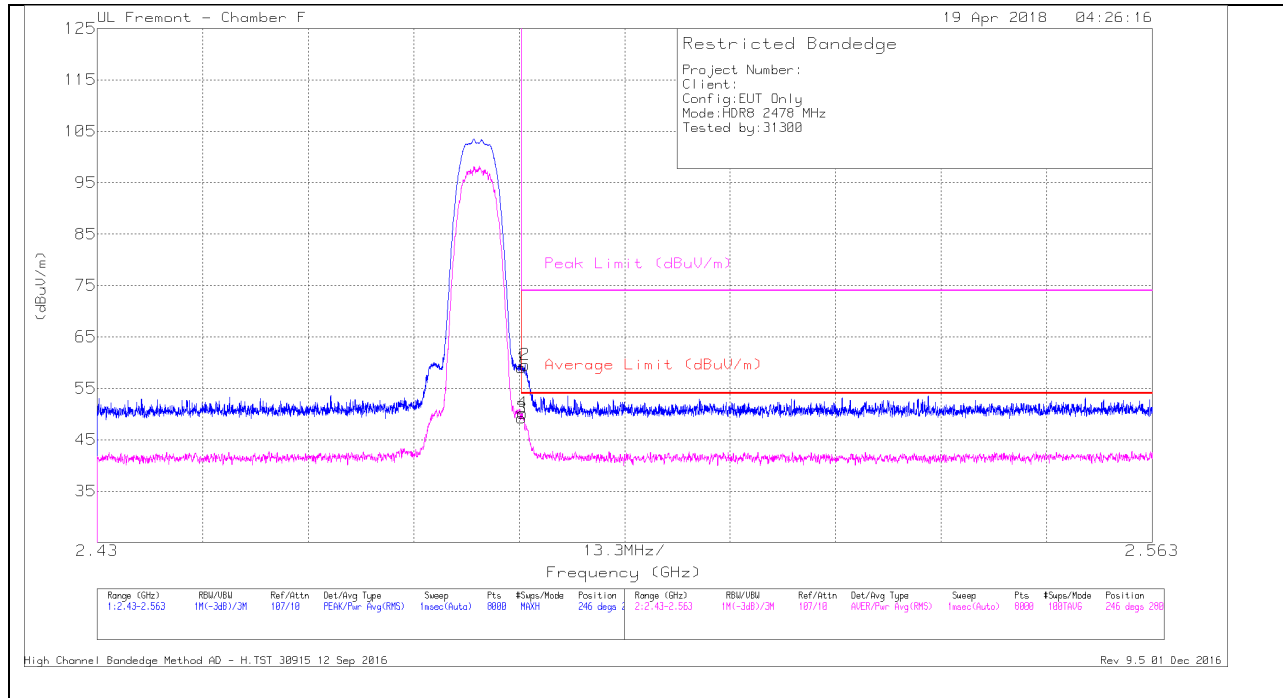
RMS - RMS detection

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

Rev 9.5 01 Dec 2016

BANEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT119 (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	47.57	Pk	32.1	-20.7	58.97	-	-	74	-15.03	246	280	H
2	* 2.484	48.07	Pk	32.2	-20.7	59.57	-	-	74	-14.43	246	280	H
3	* 2.484	37.83	RMS	32.1	-20.7	49.23	54	-4.77	-	-	246	280	H
4	* 2.484	38.76	RMS	32.1	-20.7	50.16	54	-3.84	-	-	246	280	H

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

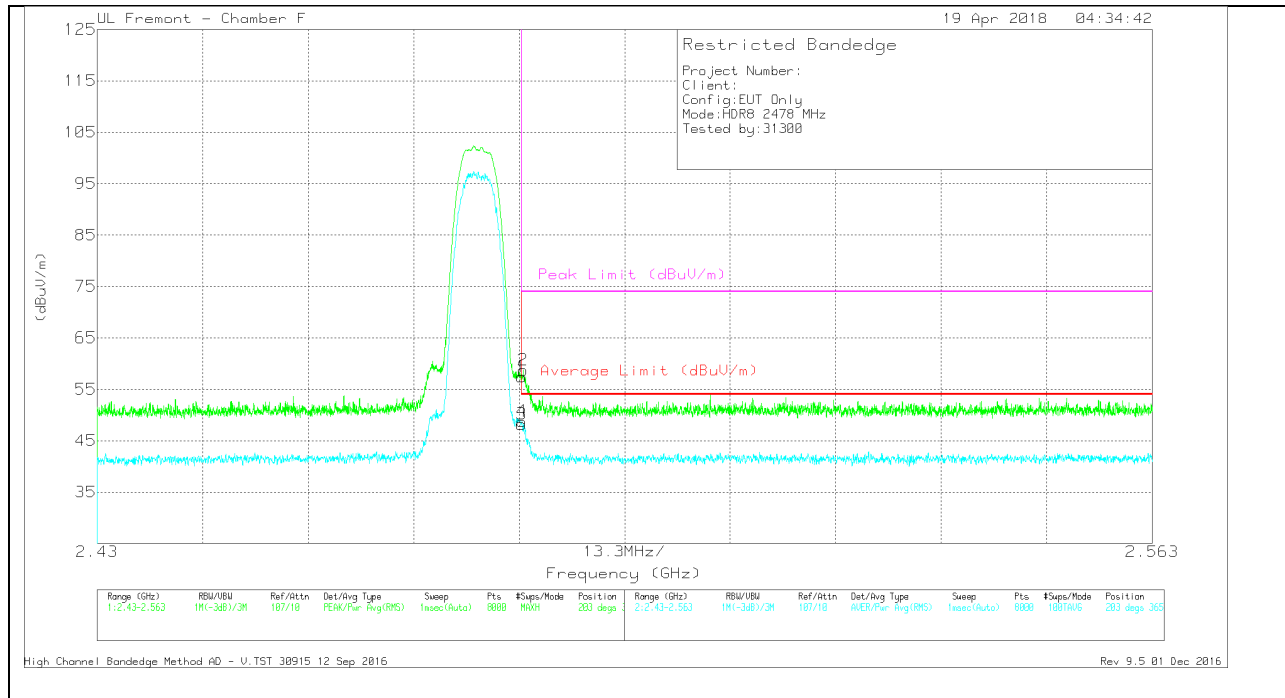
Pk - Peak detector

RMS - RMS detection

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

Rev 9.5 01 Dec 2016

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	46.04	Pk	32.1	-20.7	57.44	-	-	74	-16.56	203	365	V
2	* 2.484	47.32	Pk	32.1	-20.7	58.72	-	-	74	-15.28	203	365	V
3	* 2.484	36.8	RMS	32.1	-20.7	48.2	54	-5.8	-	-	203	365	V
4	* 2.484	37.37	RMS	32.1	-20.7	48.77	54	-5.23	-	-	203	365	V

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

Pk - Peak detector

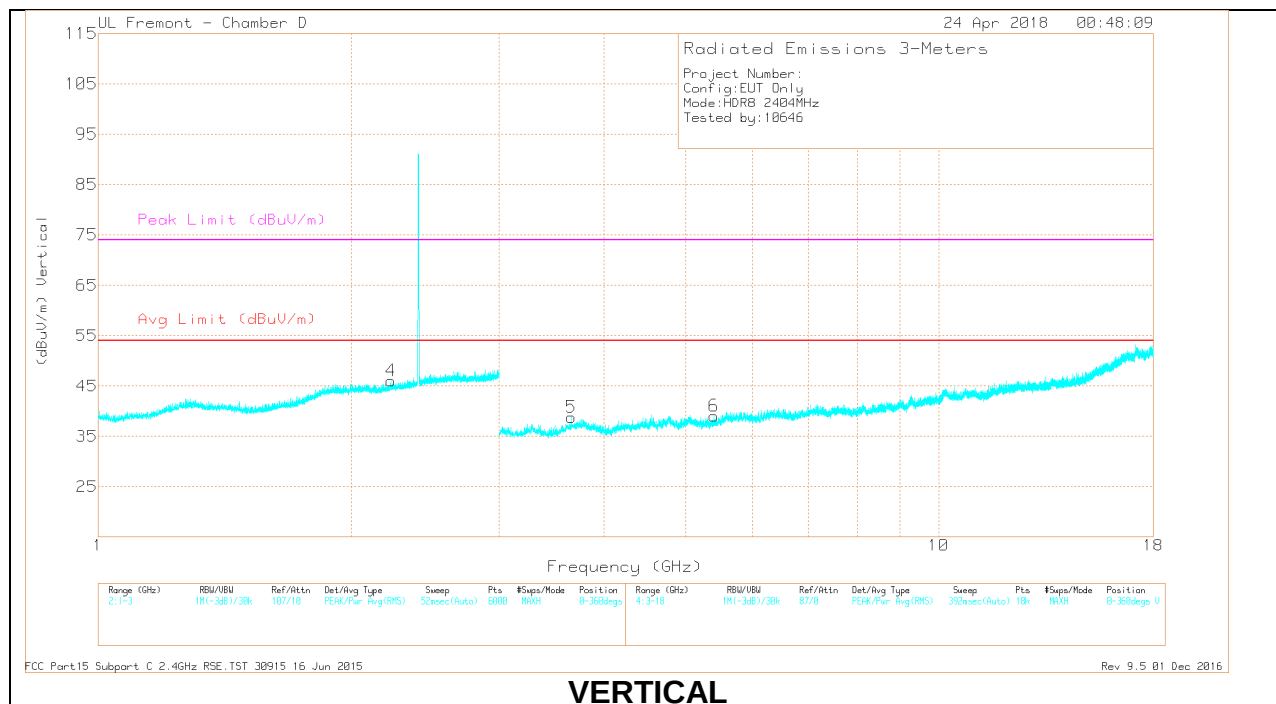
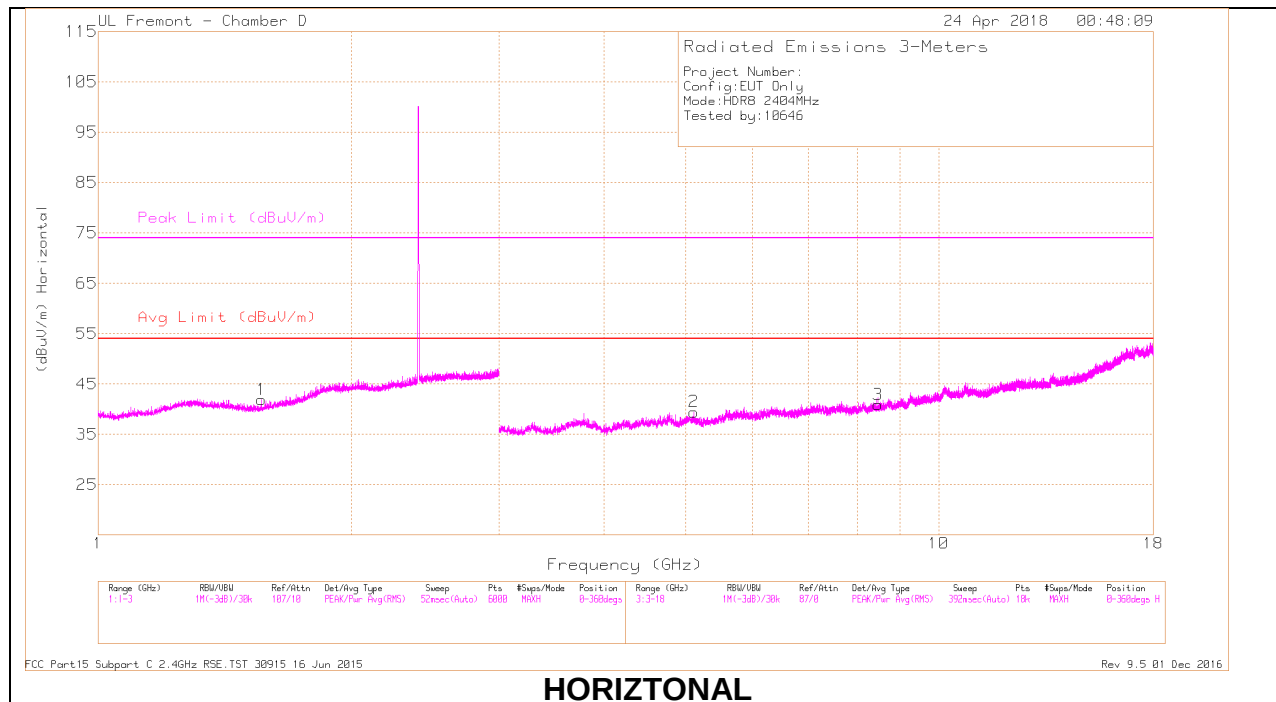
RMS - RMS detection

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

Rev 9.5 01 Dec 2016

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

Markers	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	* 1.566	41.59	PK2	28.1	-21.6	48.09	-	-	74	-25.91	46	191	H
	* 1.565	29.84	MAv1	28.1	-21.6	36.34	54	-17.66	-	-	46	191	H
4	* 2.234	41.63	PK2	31.4	-20.7	52.33	-	-	74	-21.67	8	223	V
	* 2.233	29.71	MAv1	31.4	-20.6	40.51	54	-13.49	-	-	8	223	V
2	* 5.109	37.71	PK2	34.6	-26.9	45.41	-	-	74	-28.59	107	167	H
	* 5.111	25.82	MAv1	34.6	-26.9	33.52	54	-20.48	-	-	107	167	H
3	* 8.468	35.13	PK2	35.9	-23.1	47.93	-	-	74	-26.07	285	232	H
	* 8.472	23.33	MAv1	35.9	-23.1	36.13	54	-17.87	-	-	285	232	H
5	* 3.655	38.25	PK2	33.7	-28.7	43.25	-	-	74	-30.75	329	284	V
	* 3.656	26.61	MAv1	33.7	-28.7	31.61	54	-22.39	-	-	329	284	V
6	* 5.398	37.32	PK2	34.9	-27.3	44.92	-	-	74	-29.08	70	191	V
	* 5.402	25.42	MAv1	34.9	-27.3	33.02	54	-20.98	-	-	70	191	V

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

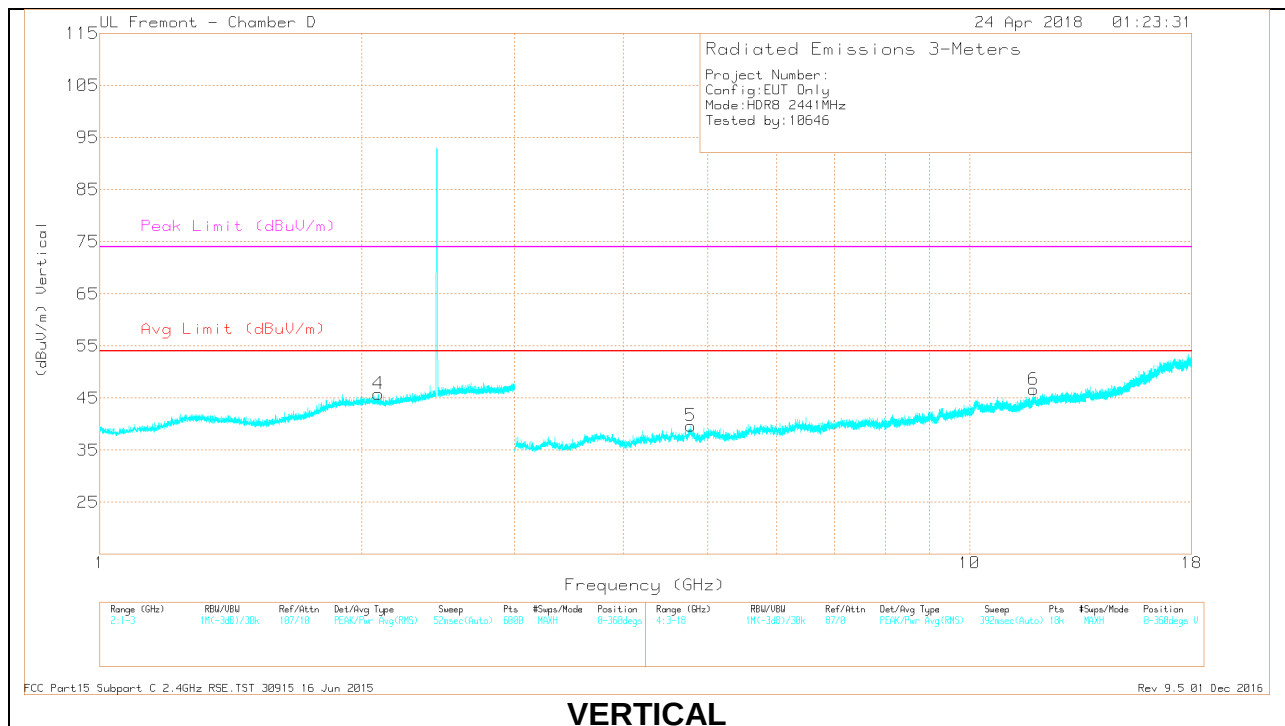
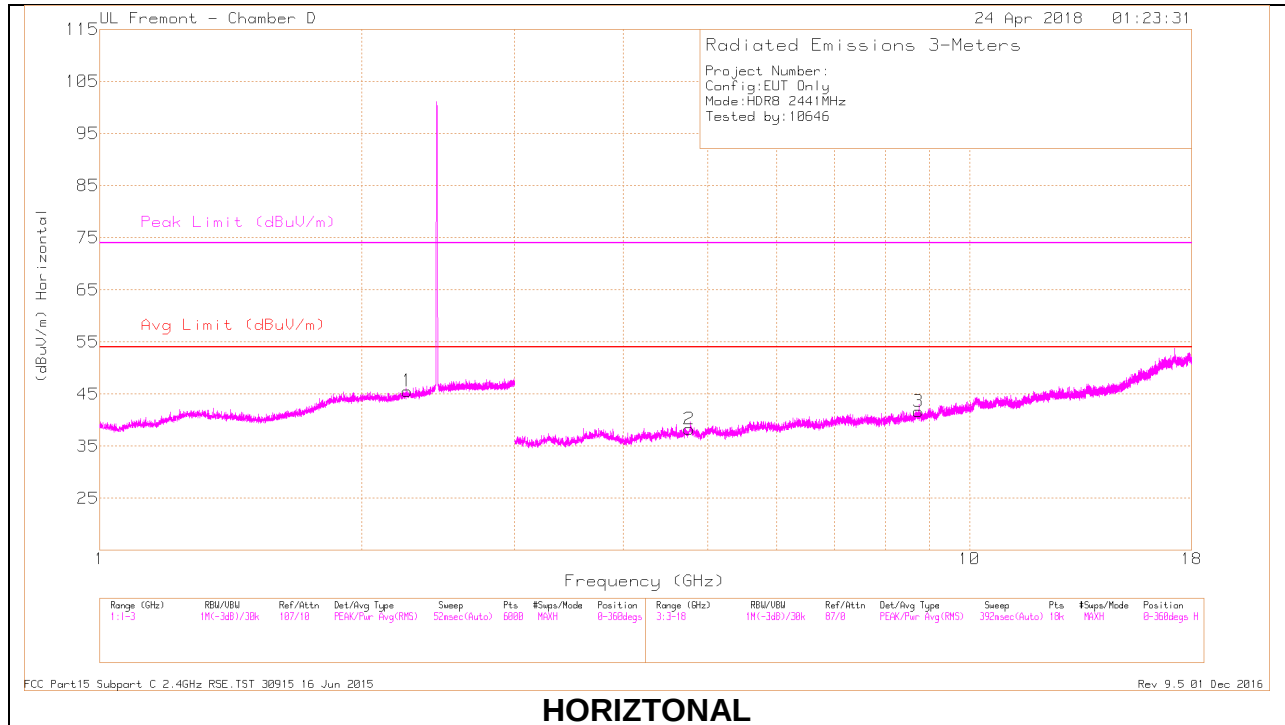
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

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

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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	* 2.258	42.41	PK2	31.5	-20.7	53.21	-	-	74	-20.79	184	217	H
	* 2.258	30.25	MAv1	31.5	-20.7	41.05	54	-12.95	-	-	184	217	H
2	* 4.763	37.47	PK2	34.6	-26.3	45.77	-	-	74	-28.23	346	124	H
	* 4.764	26.58	MAv1	34.6	-26.3	34.88	54	-19.12	-	-	346	124	H
5	* 4.782	37.27	PK2	34.5	-26.2	45.57	-	-	74	-28.43	168	387	V
	* 4.783	25.7	MAv1	34.5	-26.2	34	54	-20	-	-	168	387	V
6	* 11.852	33.28	PK2	38.7	-19.7	52.28	-	-	74	-21.72	167	255	V
	* 11.851	21.75	MAv1	38.6	-19.7	40.65	54	-13.35	-	-	167	255	V
4	2.092	42.51	PK2	31.2	-20.9	52.81	-	-	-	-	25	289	V
3	8.739	34.47	PK2	36	-21.5	48.97	-	-	-	-	205	168	H

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

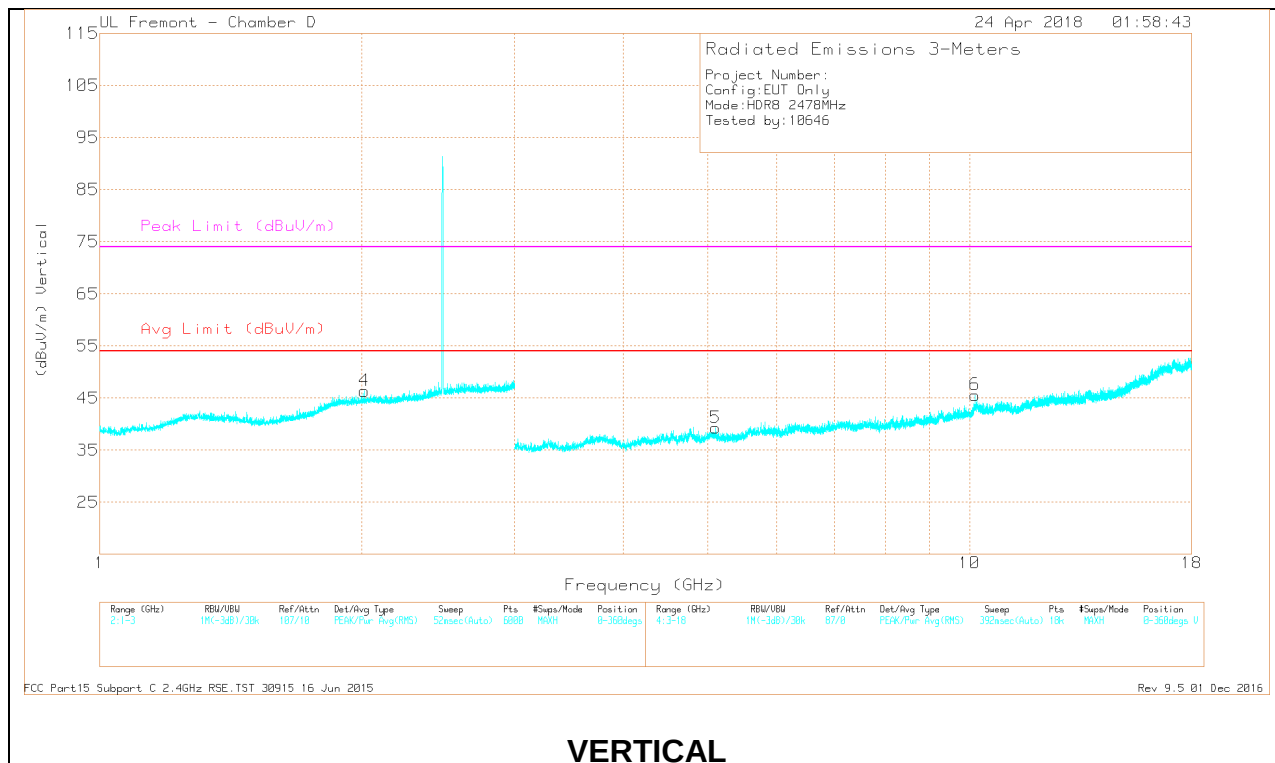
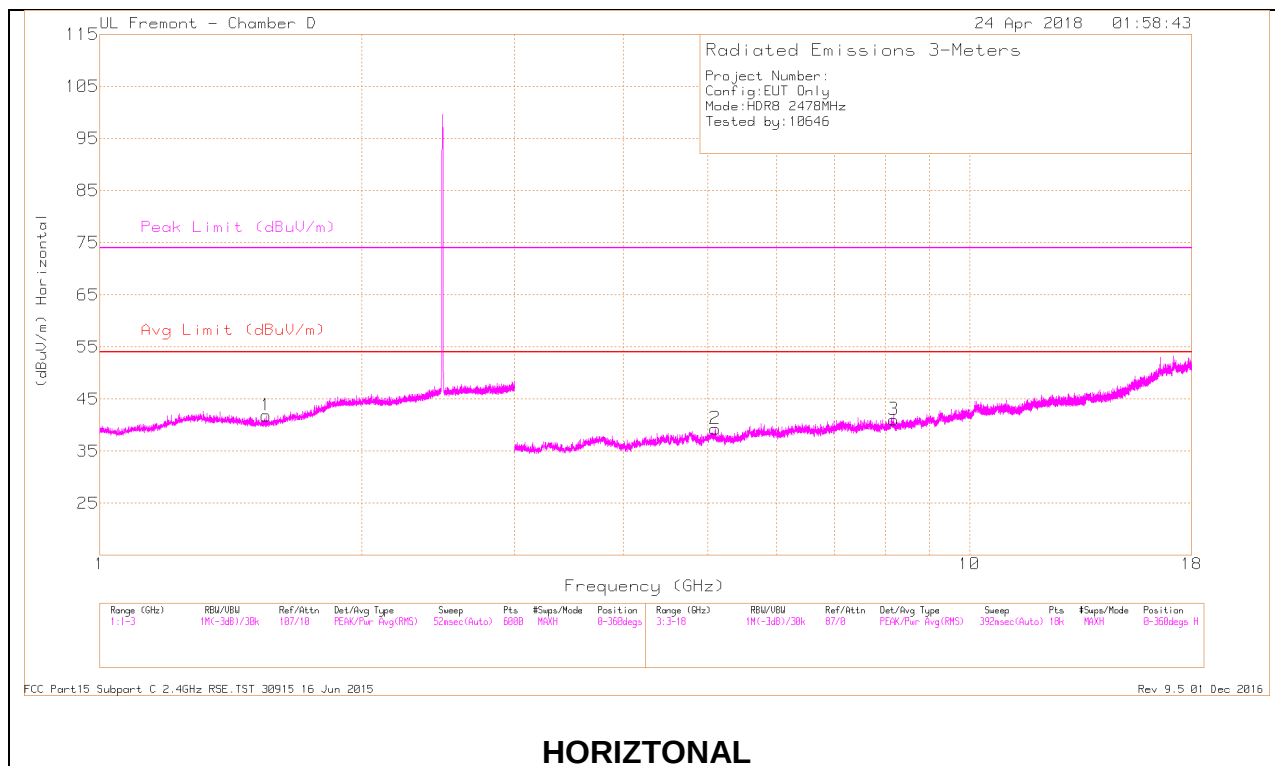
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

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

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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	* 1.555	41.74	PK2	28	-21.6	48.14	-	-	74	-25.86	255	115	H
	* 1.553	30.27	MAv1	28	-21.7	36.57	54	-17.43	-	-	255	115	H
2	* 5.099	36.78	PK2	34.6	-26.6	44.78	-	-	74	-29.22	79	221	H
	* 5.103	25.46	MAv1	34.6	-26.7	33.36	54	-20.64	-	-	79	221	H
3	* 8.187	34.68	PK2	35.8	-23	47.48	-	-	74	-26.52	300	237	H
	* 8.187	22.88	MAv1	35.8	-23	35.68	54	-18.32	-	-	300	237	H
5	* 5.104	37.51	PK2	34.6	-26.7	45.41	-	-	74	-28.59	104	342	V
	* 5.103	26.03	MAv1	34.6	-26.7	33.93	54	-20.07	-	-	104	342	V
4	2.016	41.91	PK2	31.5	-21	52.41	-	-	-	-	57	199	V
6	10.15	32.19	PK2	37.5	-19.4	50.29	-	-	-	-	189	357	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

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

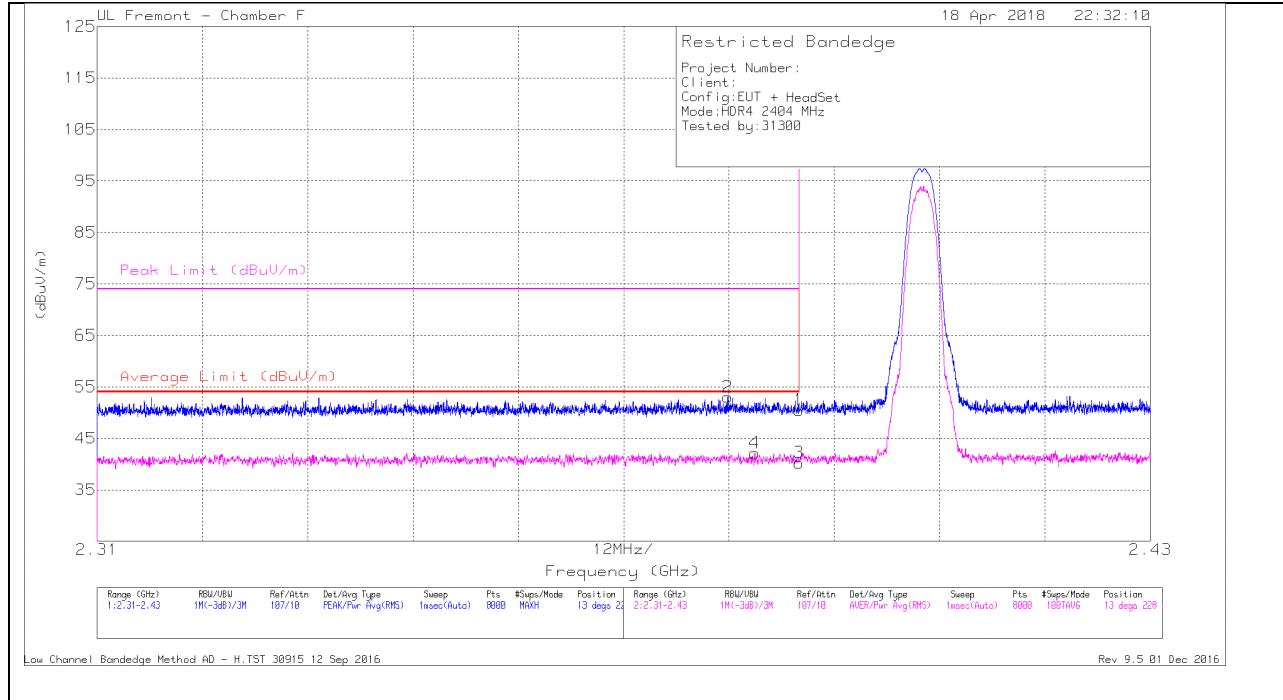
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9.2.3. LOW POWER HDR4

ANT. 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	* 2.39	39.19	Pk	31.9	-20.6	50.49	-	-	74	-23.51	13	228	H
2	* 2.382	41.78	Pk	31.8	-20.6	52.98	-	-	74	-21.02	13	228	H
3	* 2.39	28.96	RMS	31.9	-20.6	40.26	54	-13.74	-	-	13	228	H
4	* 2.385	30.98	RMS	31.8	-20.6	42.18	54	-11.82	-	-	13	228	H

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

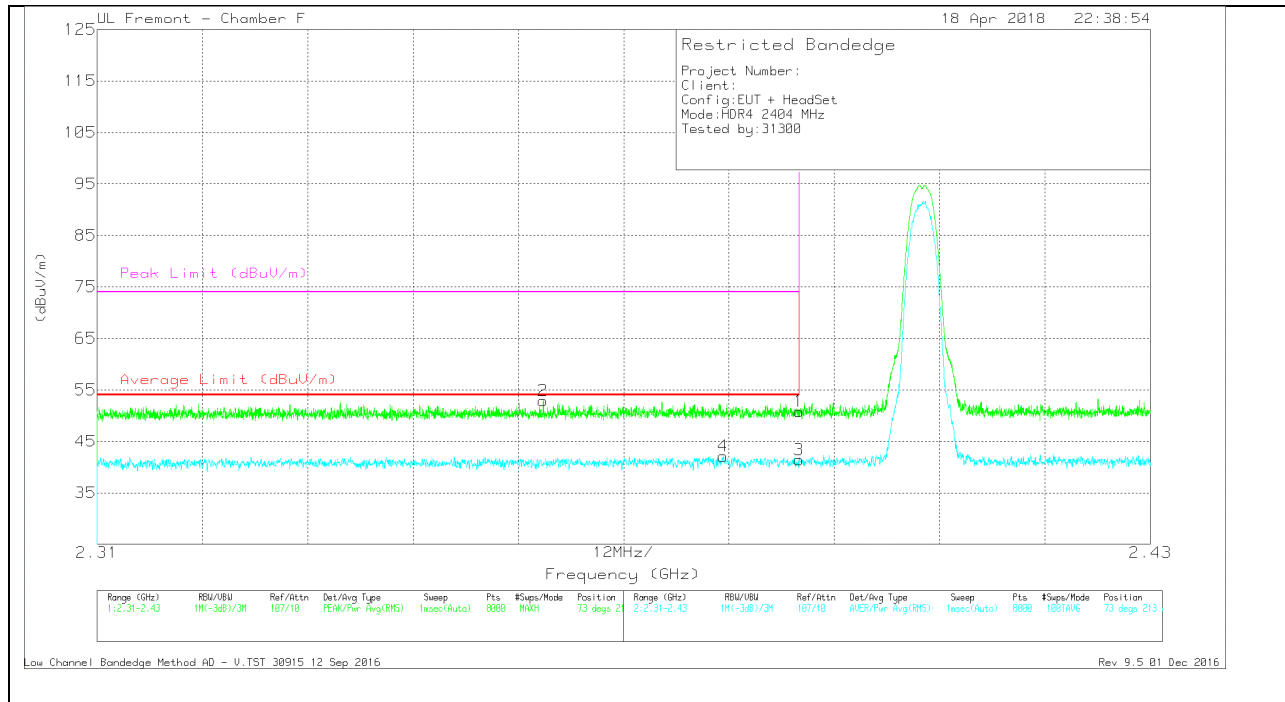
Pk - Peak detector

RMS - RMS detection

Low Channel Bandedge Method AD - H.TST 30915 12 Sep 2016

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VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	39.56	Pk	31.9	-20.6	50.86	-	-	74	-23.14	73	213	V
2	* 2.361	41.79	Pk	31.8	-20.7	52.89	-	-	74	-21.11	73	213	V
3	* 2.39	30.12	RMS	31.9	-20.6	41.42	54	-12.58	-	-	73	213	V
4	* 2.381	30.89	RMS	31.8	-20.6	42.09	54	-11.91	-	-	73	213	V

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

Pk - Peak detector

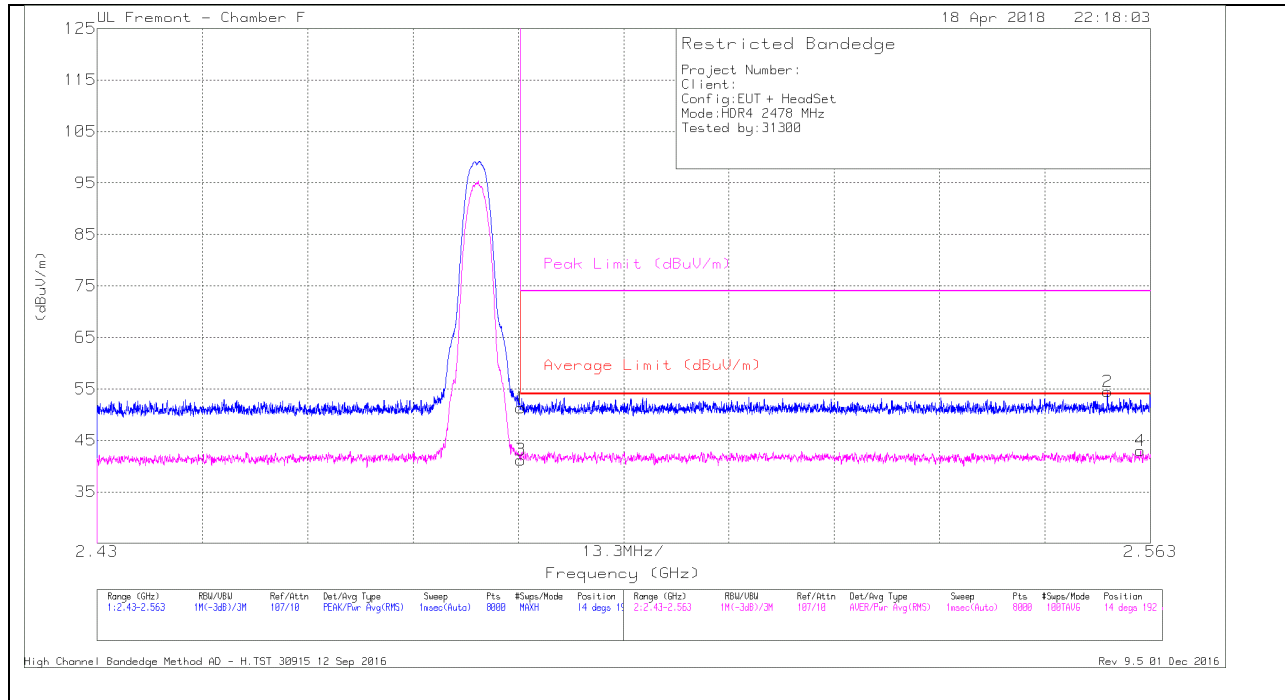
RMS - RMS detection

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

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BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	39.87	Pk	32.1	-20.7	51.27	-	-	74	-22.73	14	192	H
2	2.558	42.95	Pk	32.2	-20.7	54.45	-	-	74	-19.55	14	192	H
3	* 2.484	29.81	RMS	32.1	-20.7	41.21	54	-12.79	-	-	14	192	H
4	2.562	31.37	RMS	32.2	-20.6	42.97	54	-11.03	-	-	14	192	H

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

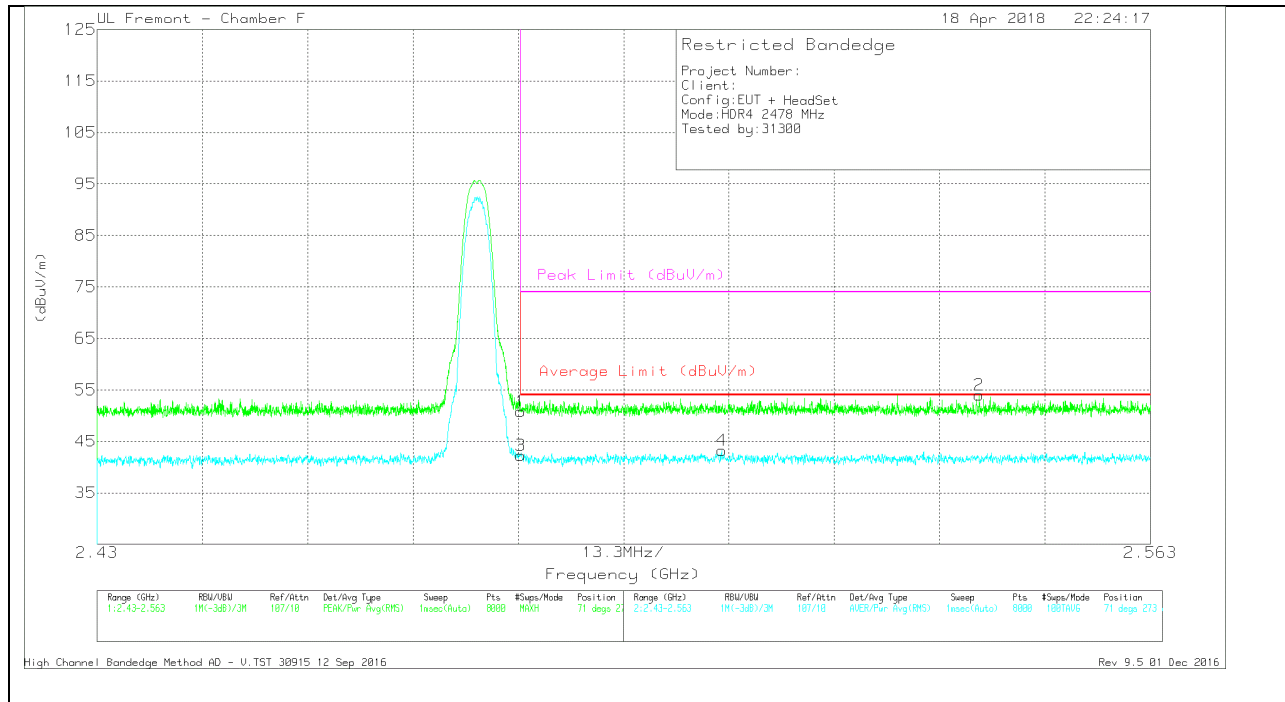
Pk - Peak detector

RMS - RMS detection

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

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VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	39.4	Pk	32.1	-20.7	50.8	-	-	74	-23.2	71	273	V
2	2.541	42.5	Pk	32.2	-20.7	54	-	-	74	-20	71	273	V
3	* 2.484	30.85	RMS	32.1	-20.7	42.25	54	-11.75	-	-	71	273	V
4	2.509	31.62	RMS	32.2	-20.6	43.22	54	-10.78	-	-	71	273	V

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

Pk - Peak detector

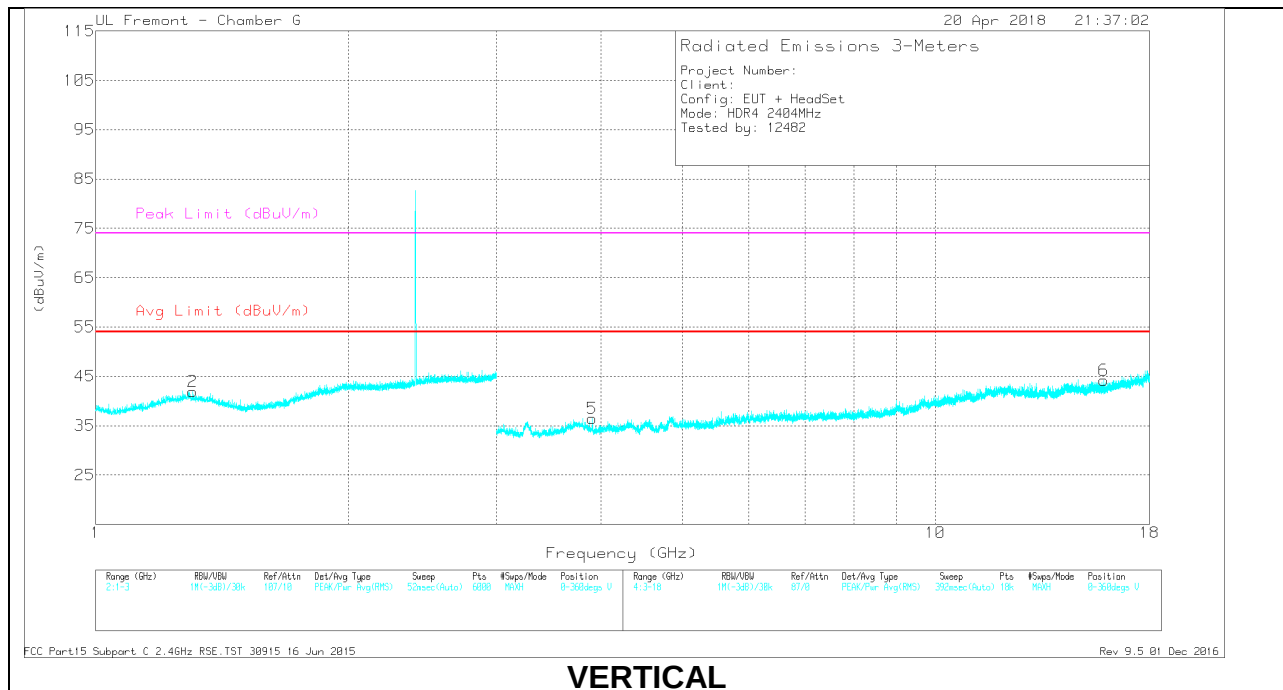
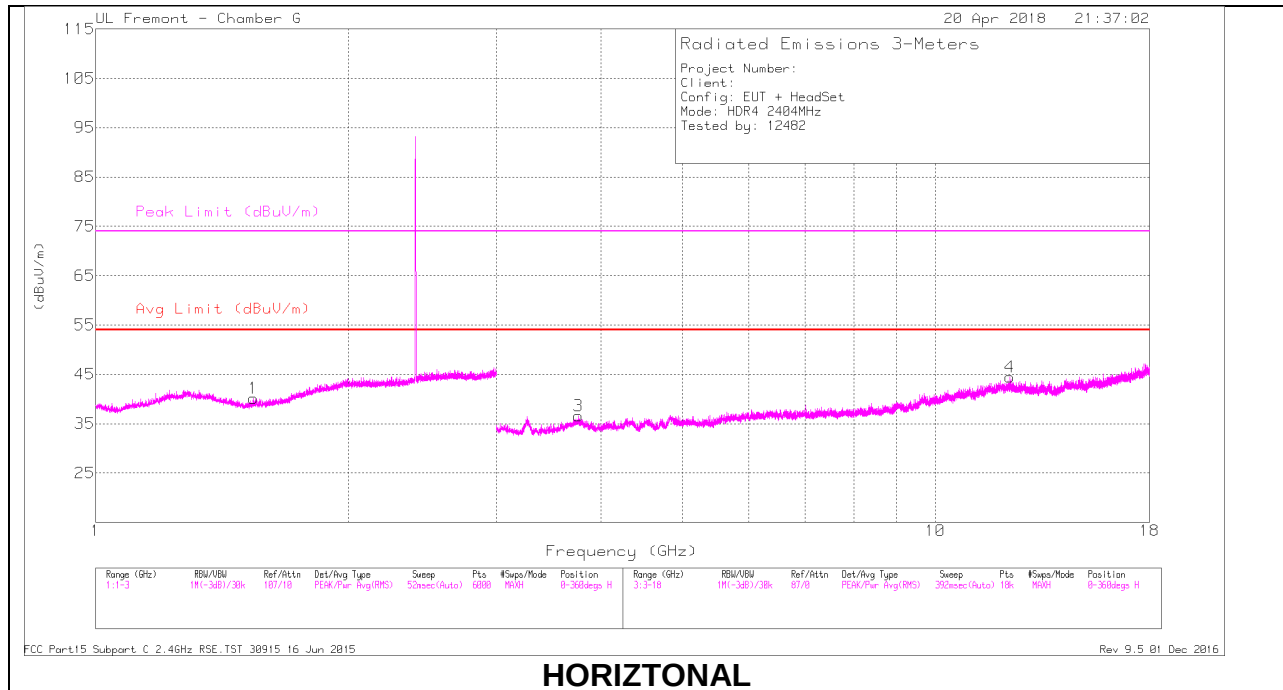
RMS - RMS detection

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

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HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	* 1.542	43.82	PK2	28	-25.1	46.72	-	-	74	-27.28	258	111	H
	* 1.542	31.64	MAv1	28	-25.1	34.54	54	-19.46	-	-	258	111	H
2	* 1.307	44.31	PK2	30	-25.5	48.81	-	-	74	-25.19	119	253	V
	* 1.305	32.29	MAv1	30	-25.5	36.79	54	-17.21	-	-	119	253	V
3	* 3.759	41.08	PK2	33.9	-31.7	43.28	-	-	74	-30.72	235	241	H
	* 3.757	29.6	MAv1	33.9	-31.6	31.9	54	-22.1	-	-	235	241	H
4	* 12.277	37	PK2	39.1	-25.2	50.9	-	-	74	-23.1	68	117	H
	* 12.278	24.98	MAv1	39.1	-25.2	38.88	54	-15.12	-	-	68	117	H
5	* 3.906	41.43	PK2	33.8	-32.9	42.33	-	-	74	-31.67	88	146	V
	* 3.907	29.95	MAv1	33.8	-32.8	30.95	54	-23.05	-	-	88	146	V
6	* 15.881	35.89	PK2	40.3	-26.6	49.59	-	-	74	-24.41	80	257	V
	* 15.877	24.57	MAv1	40.3	-26.5	38.37	54	-15.63	-	-	80	257	V

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

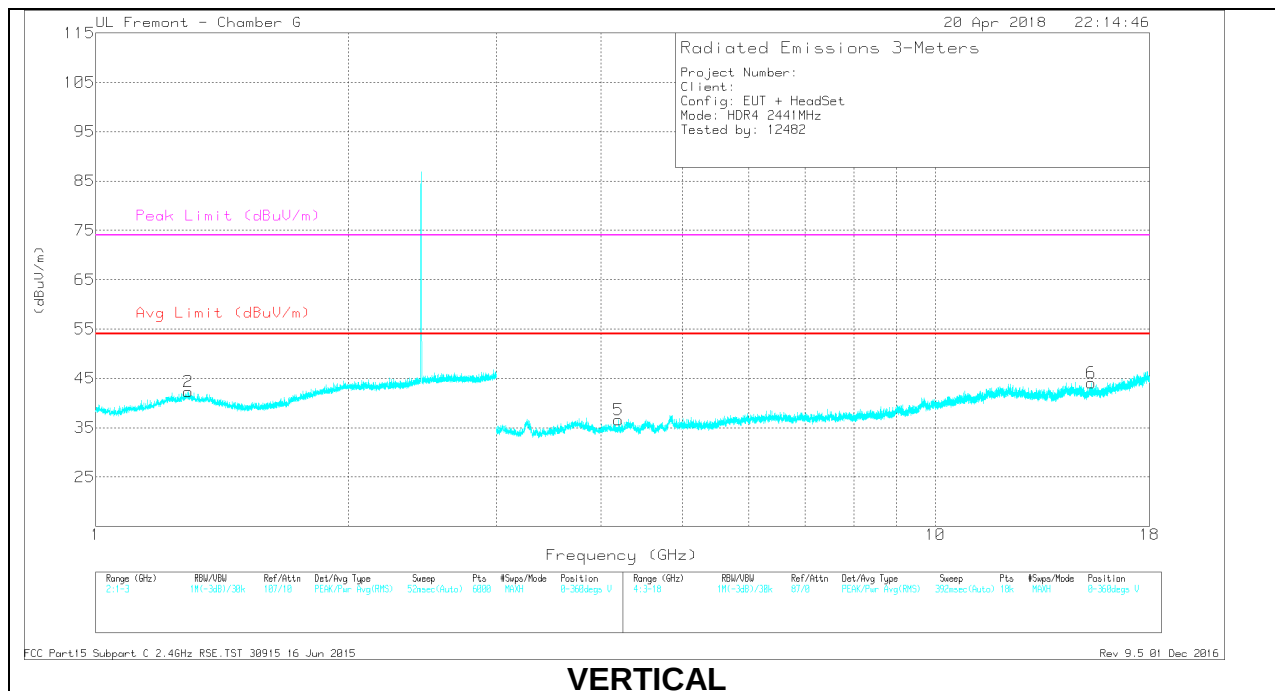
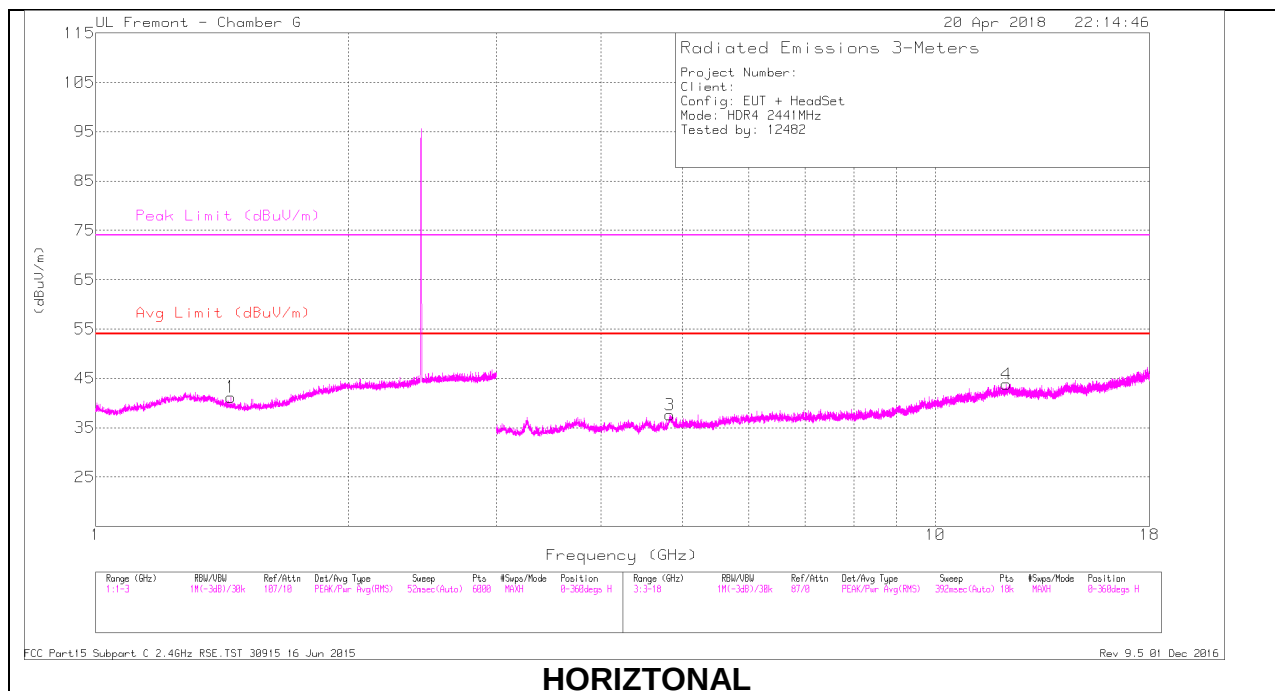
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

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

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MID CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	* 1.451	44.23	PK2	28.3	-25.2	47.33	-	-	74	-26.67	216	236	H
	* 1.451	31.97	MAv1	28.3	-25.2	35.07	54	-18.93	-	-	216	236	H
2	* 1.288	45.79	PK2	30.2	-25.5	50.49	-	-	74	-23.51	0	142	V
	* 1.291	32.55	MAv1	30.2	-25.5	37.25	54	-16.75	-	-	0	142	V
3	* 4.831	42.03	PK2	34.3	-32.2	44.13	-	-	74	-29.87	223	113	H
	* 4.832	30.7	MAv1	34.3	-32.2	32.8	54	-21.2	-	-	223	113	H
4	* 12.156	36.6	PK2	39	-25.5	50.1	-	-	74	-23.9	95	324	H
	* 12.158	25.54	MAv1	39	-25.6	38.94	54	-15.06	-	-	95	324	H
5	* 4.192	41.28	PK2	33.9	-32.7	42.48	-	-	74	-31.52	3	119	V
	* 4.194	29.83	MAv1	33.9	-32.7	31.03	54	-22.97	-	-	3	119	V
6	15.347	36.9	PK2	40.1	-26.8	50.2	-	-	74	-23.80	111	357	V

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

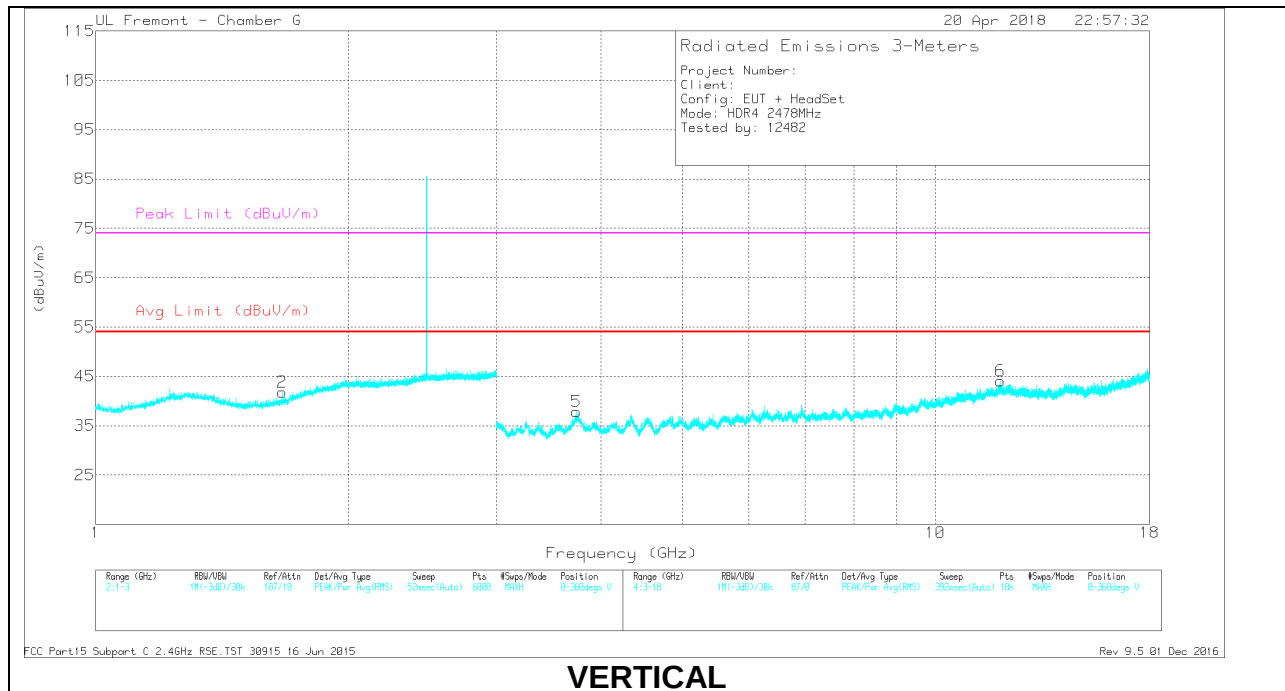
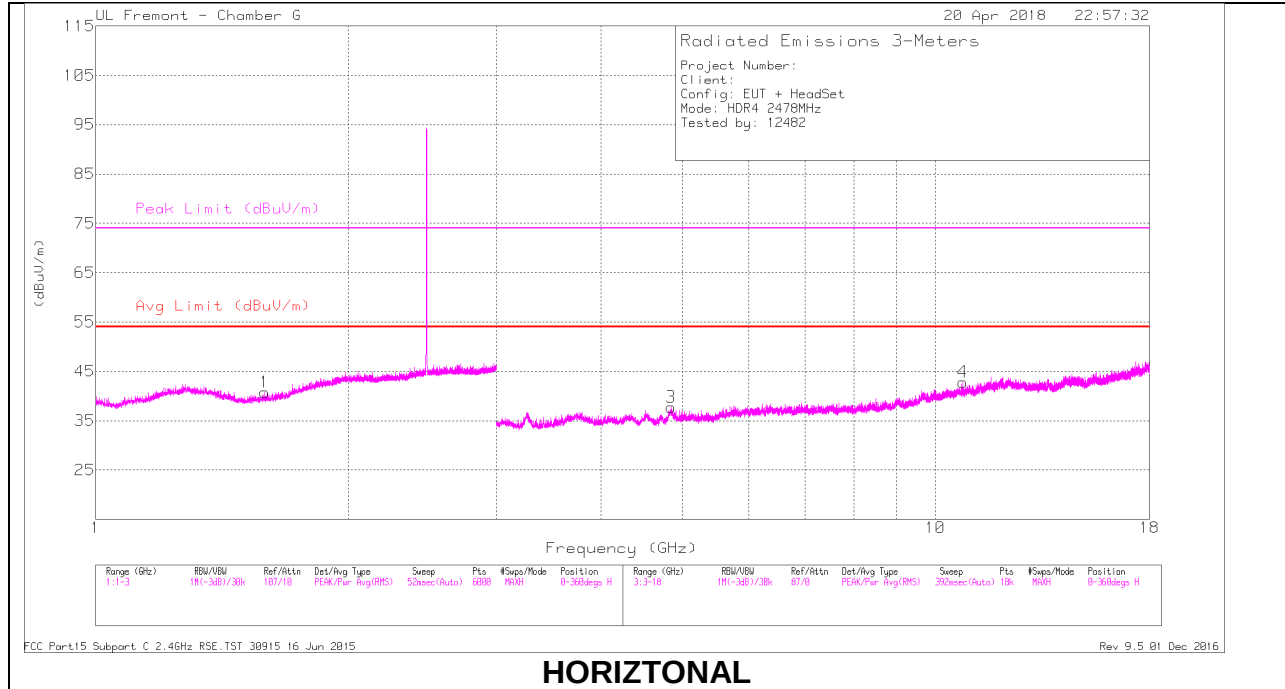
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

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

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HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	* 1.591	44.01	PK2	28	-25	47.01	-	-	74	-26.99	79	244	H
	* 1.59	31.89	MAv1	28	-25	34.89	54	-19.11	-	-	79	244	H
2	* 1.667	44.5	PK2	28.5	-24.9	48.1	-	-	74	-25.9	166	227	V
	* 1.667	31.76	MAv1	28.5	-24.9	35.36	54	-18.64	-	-	166	227	V
3	* 4.849	41.39	PK2	34.3	-32.2	43.49	-	-	74	-30.51	102	308	H
	* 4.847	29.69	MAv1	34.3	-32.2	31.79	54	-22.21	-	-	102	308	H
4	* 10.785	36.93	PK2	38.1	-26.8	48.23	-	-	74	-25.77	174	257	H
	* 10.784	25.55	MAv1	38.1	-26.8	36.85	54	-17.15	-	-	174	257	H
5	* 3.74	40.46	PK2	33.9	-31.2	43.16	-	-	74	-30.84	182	347	V
	* 3.741	29.31	MAv1	33.9	-31.2	32.01	54	-21.99	-	-	182	347	V
6	* 11.964	36.57	PK2	39.1	-24.7	50.97	-	-	74	-23.03	257	285	V
	* 11.966	24.44	MAv1	39.1	-24.7	38.84	54	-15.16	-	-	257	285	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

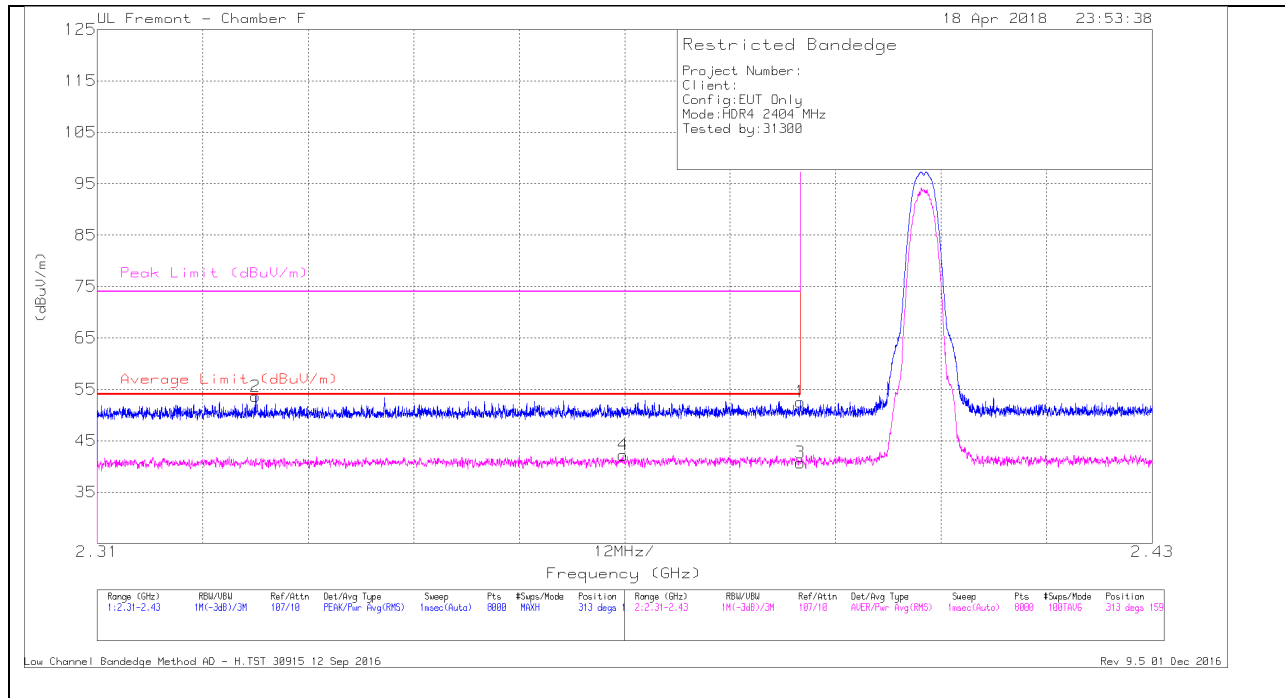
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ANT. 3, HDR4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	41.25	Pk	31.9	-20.6	52.55	-	-	74	-21.45	313	159	H
2	* 2.328	42.62	Pk	31.7	-20.7	53.62	-	-	74	-20.38	313	159	H
3	* 2.39	29.42	RMS	31.9	-20.6	40.72	54	-13.28	-	-	313	159	H
4	* 2.37	31.01	RMS	31.8	-20.6	42.21	54	-11.79	-	-	313	159	H

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

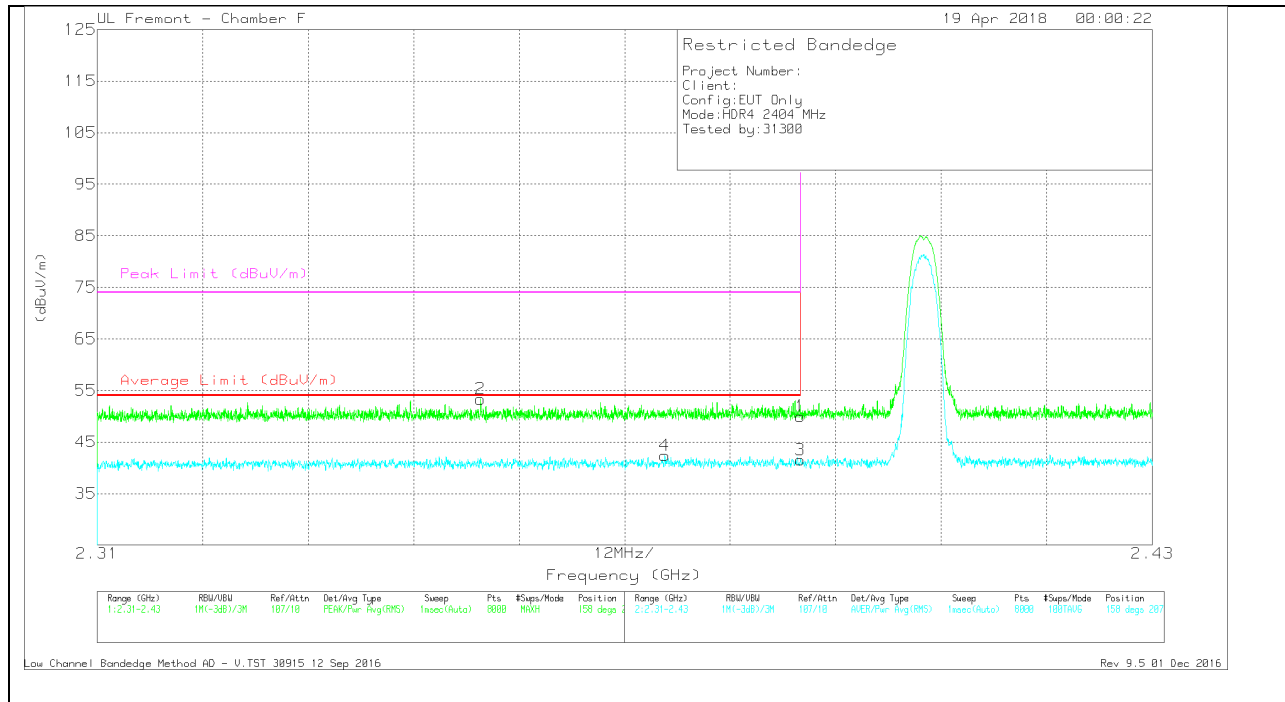
Pk - Peak detector

RMS - RMS detection

Low Channel Bandedge Method AD - H.TST 30915 12 Sep 2016

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VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	38.68	Pk	31.9	-20.6	49.98	-	-	74	-24.02	158	207	V
2	* 2.354	42.23	Pk	31.8	-20.7	53.33	-	-	74	-20.67	158	207	V
3	* 2.39	30.21	RMS	31.9	-20.6	41.51	54	-12.49	-	-	158	207	V
4	* 2.375	31.18	RMS	31.8	-20.6	42.38	54	-11.62	-	-	158	207	V

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

Pk - Peak detector

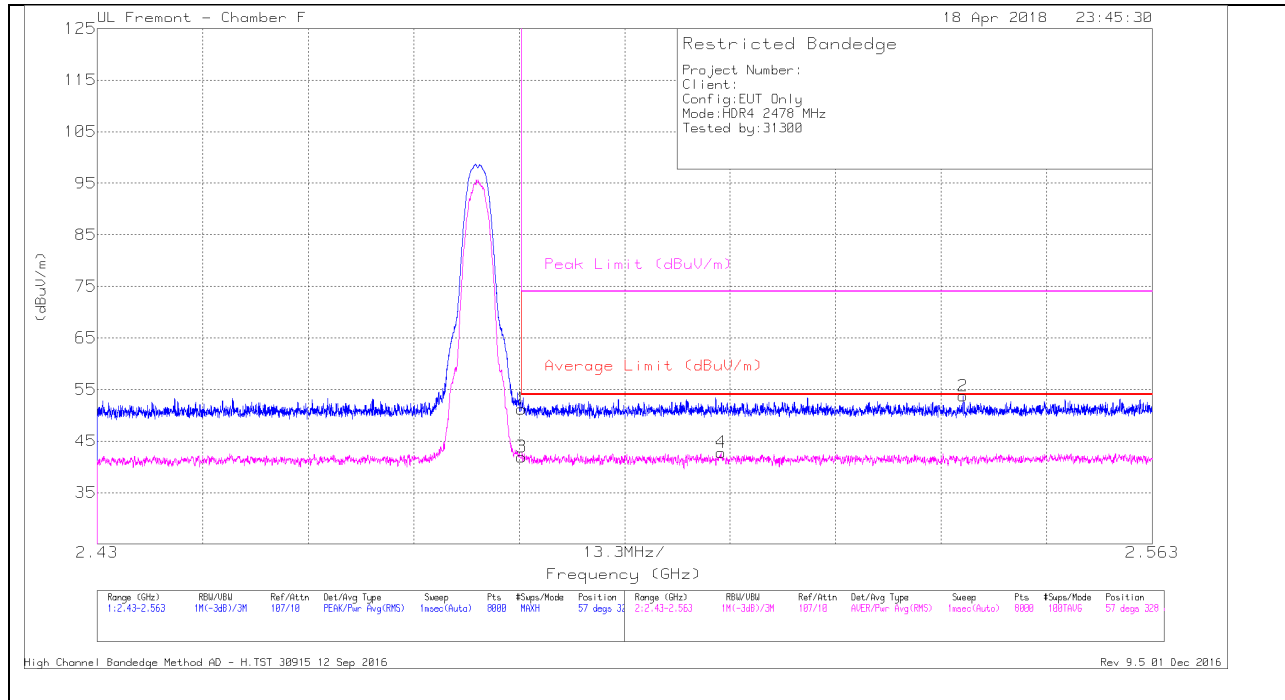
RMS - RMS detection

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

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BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	39.82	Pk	32.1	-20.7	51.22	-	-	74	-22.78	57	328	H
2	2.539	42.25	Pk	32.2	-20.7	53.75	-	-	74	-20.25	57	328	H
3	* 2.484	30.54	RMS	32.1	-20.7	41.94	54	-12.06	-	-	57	328	H
4	2.509	31.19	RMS	32.2	-20.6	42.79	54	-11.21	-	-	57	328	H

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

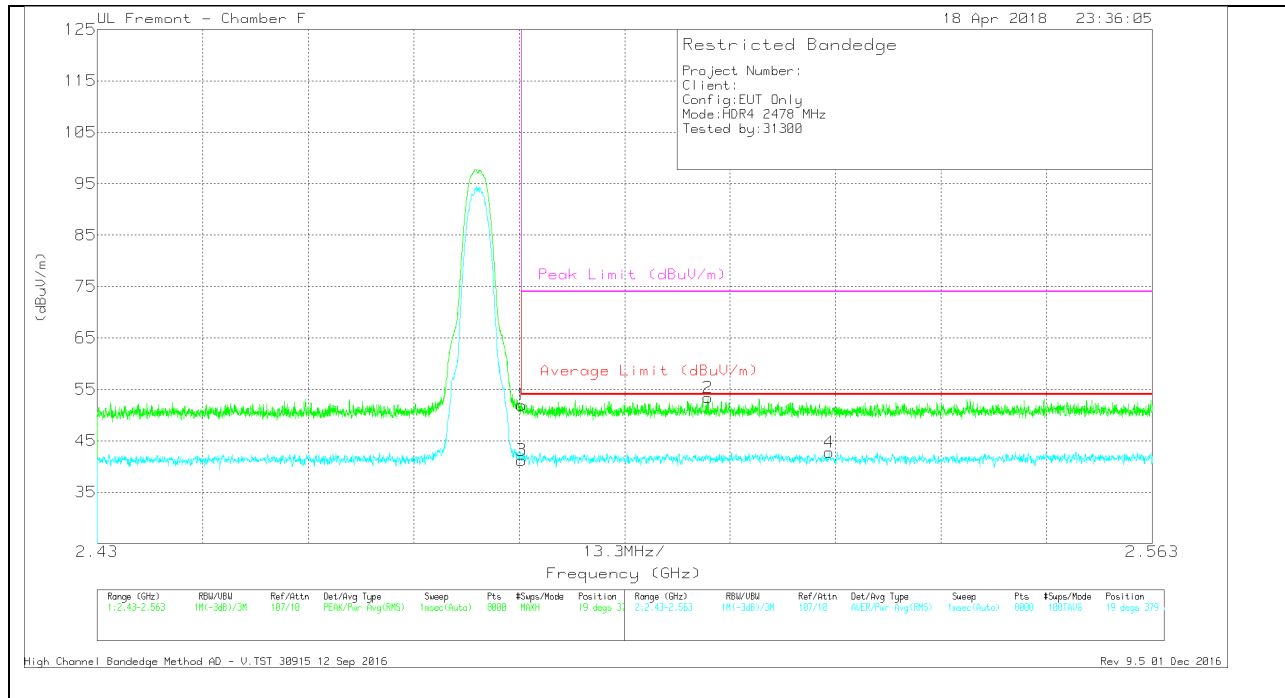
Pk - Peak detector

RMS - RMS detection

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

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VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	40.57	Pk	32.1	-20.7	51.97	-	-	74	-22.03	19	379	V
2	2.507	41.75	Pk	32.2	-20.6	53.35	-	-	74	-20.65	19	379	V
3	* 2.484	29.8	RMS	32.1	-20.7	41.2	54	-12.8	-	-	19	379	V
4	2.522	31.16	RMS	32.2	-20.6	42.76	54	-11.24	-	-	19	379	V

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

Pk - Peak detector

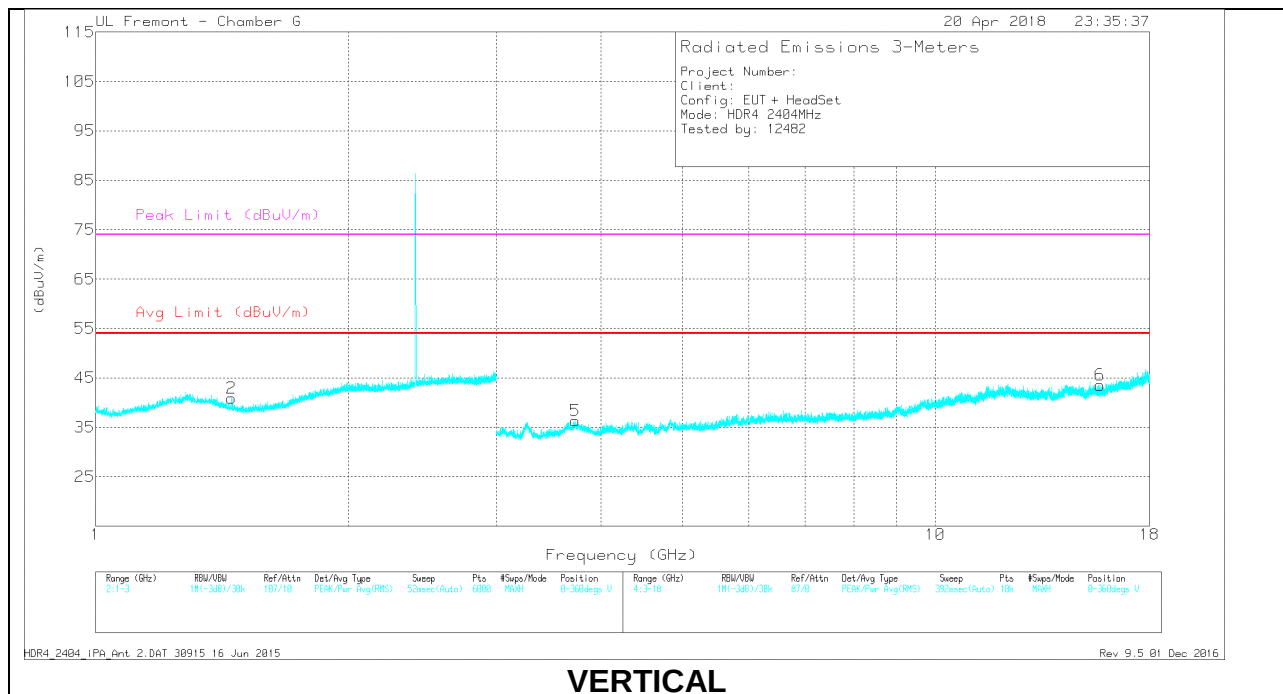
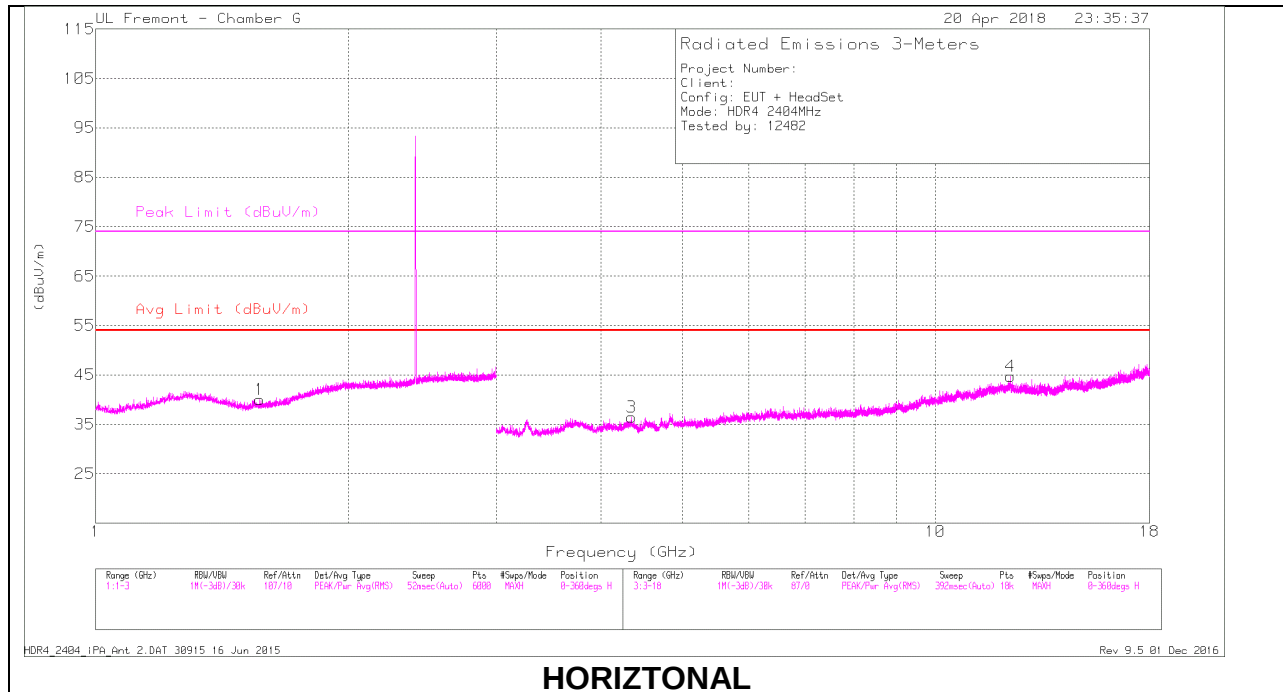
RMS - RMS detection

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

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HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.565	43.66	PK2	27.9	-25	46.56	-	-	74	-27.44	118	165	H
	* 1.568	31.86	MAv1	27.9	-25	34.76	54	-19.24	-	-	118	165	H
2	* 1.451	43.64	PK2	28.3	-25.2	46.74	-	-	74	-27.26	94	257	V
	* 1.454	31.93	MAv1	28.2	-25.2	34.93	54	-19.07	-	-	94	257	V
3	* 4.347	41.21	PK2	34.1	-31.8	43.51	-	-	74	-30.49	85	164	H
	* 4.346	29.75	MAv1	34.1	-31.8	32.05	54	-21.95	-	-	85	164	H
4	* 12.299	36.12	PK2	39	-25.3	49.82	-	-	74	-24.18	347	140	H
	* 12.299	24.99	MAv1	39	-25.3	38.69	54	-15.31	-	-	347	140	H
5	* 3.727	40.35	PK2	33.9	-31.2	43.05	-	-	74	-30.95	307	139	V
	* 3.728	28.58	MAv1	33.9	-31.2	31.28	54	-22.72	-	-	307	139	V
6	* 15.711	36.1	PK2	40.3	-26.6	49.8	-	-	74	-24.2	209	128	V
	* 15.709	24.68	MAv1	40.3	-26.7	38.28	54	-15.72	-	-	209	128	V

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

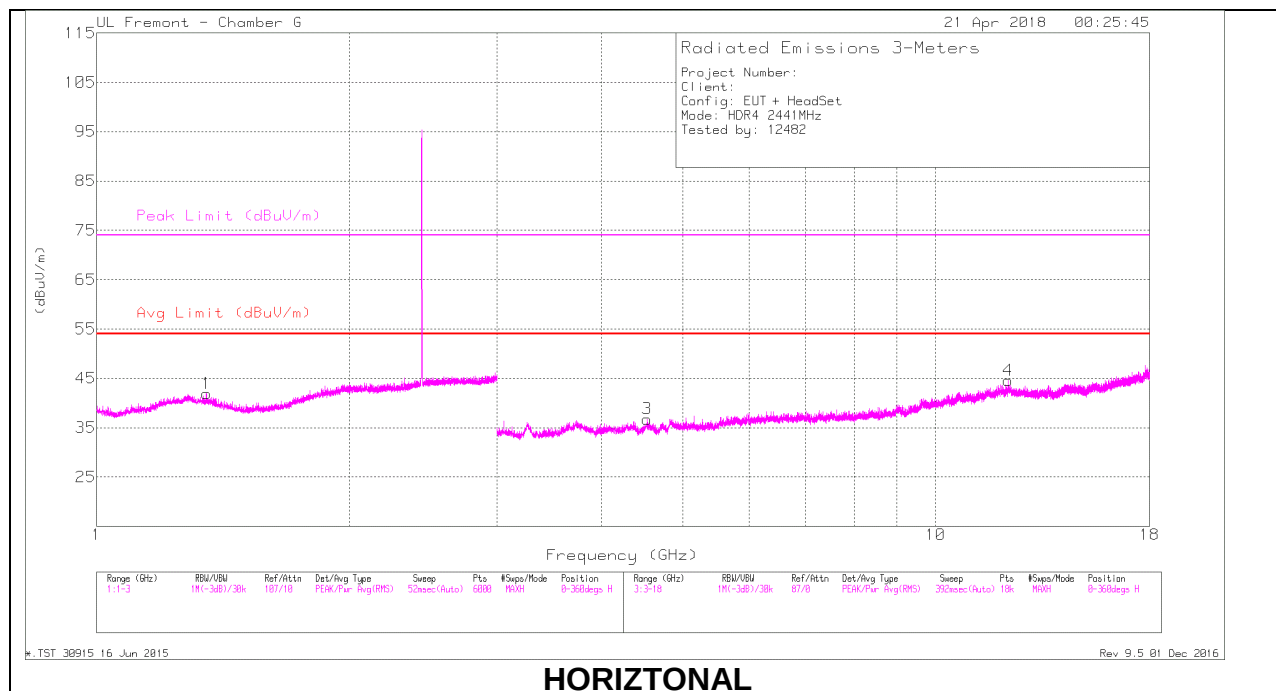
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

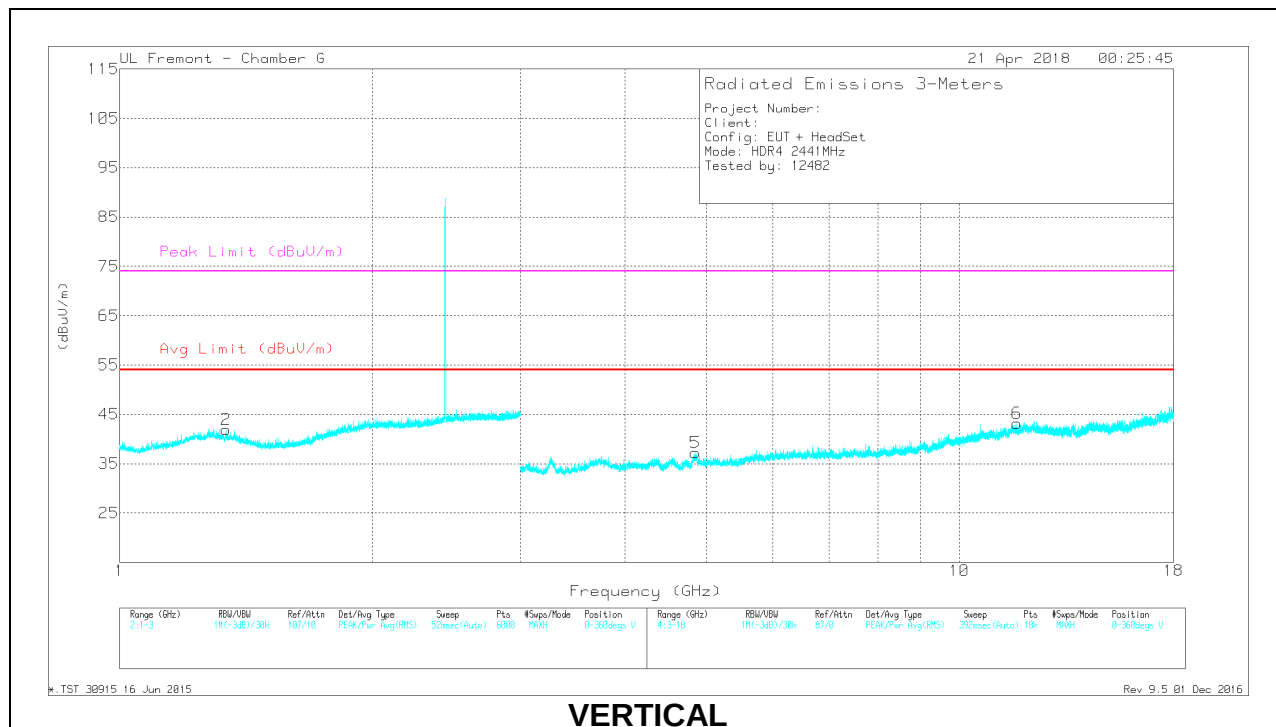
HDR4_2404_iPA_Ant 2.DAT 30915 16 Jun 2015

Rev 9.5 01 Dec 2016

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	* 1.353	44.51	PK2	29.7	-25.4	48.81	-	-	74	-25.19	26	278	H
	* 1.354	32.08	MAv1	29.7	-25.4	36.38	54	-17.62	-	-	26	278	H
2	* 1.336	44.47	PK2	29.8	-25.5	48.77	-	-	74	-25.23	162	396	V
	* 1.337	32.12	MAv1	29.8	-25.5	36.42	54	-17.58	-	-	162	396	V
3	* 4.53	40.82	PK2	34.4	-32.4	42.82	-	-	74	-31.18	88	252	H
	* 4.529	29.68	MAv1	34.4	-32.4	31.68	54	-22.32	-	-	88	252	H
4	* 12.21	36.28	PK2	39	-24.9	50.38	-	-	74	-23.62	227	112	H
	* 12.209	24.71	MAv1	39	-24.9	38.81	54	-15.19	-	-	227	112	H
5	* 4.851	40.21	PK2	34.3	-32.2	42.31	-	-	74	-31.69	308	330	V
	* 4.85	29.32	MAv1	34.3	-32.2	31.42	54	-22.58	-	-	308	330	V
6	* 11.714	36.71	PK2	38.8	-26	49.51	-	-	74	-24.49	355	188	V
	* 11.714	25.03	MAv1	38.8	-26	37.83	54	-16.17	-	-	355	188	V

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

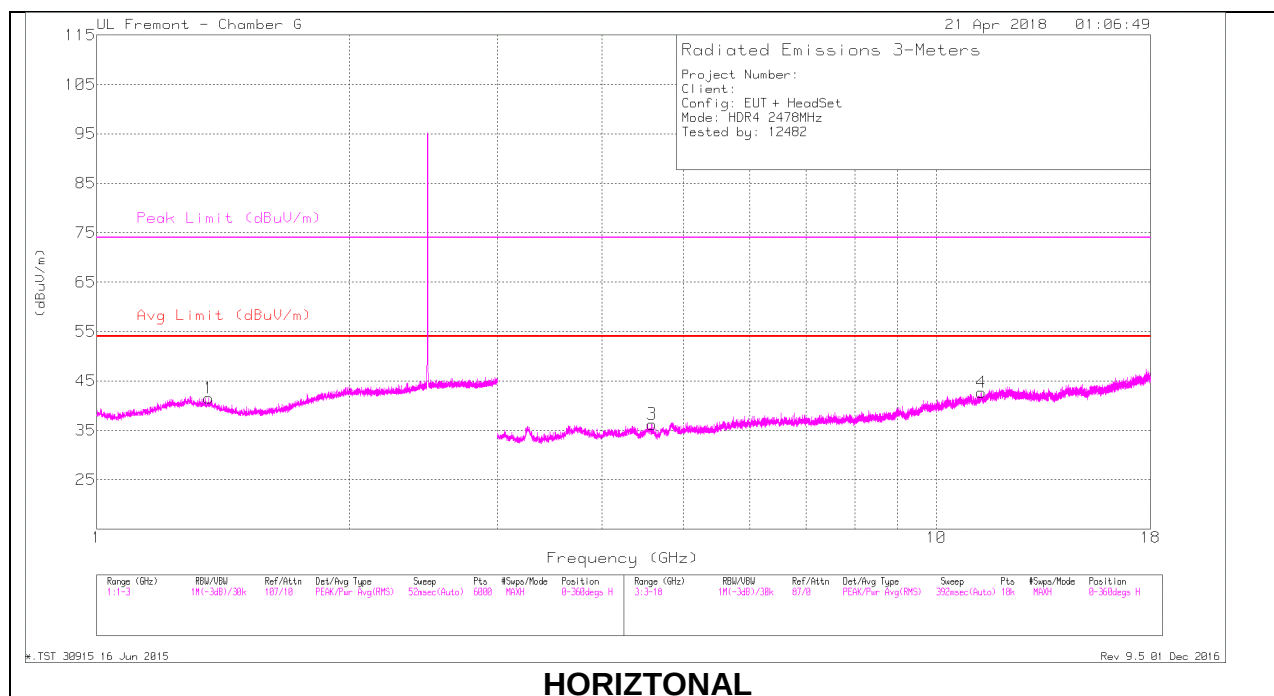
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

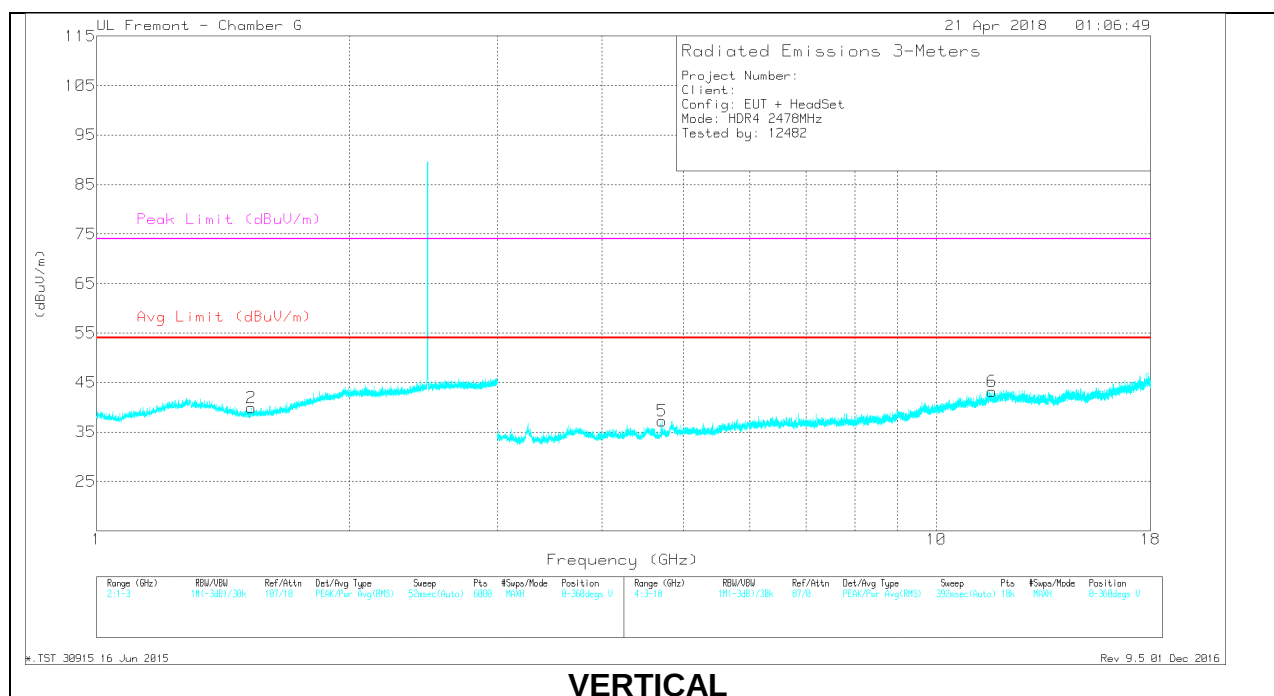
*,TST 30915 16 Jun 2015

Rev 9.5 01 Dec 2016

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	* 1.361	44.02	PK2	29.5	-25.4	48.12	-	-	74	-25.88	158	251	H
	* 1.359	32.1	MAv1	29.5	-25.4	36.2	54	-17.8	-	-	158	251	H
2	* 1.528	43.88	PK2	27.8	-25.1	46.58	-	-	74	-27.42	267	351	V
	* 1.526	31.71	MAv1	27.8	-25.1	34.41	54	-19.59	-	-	267	351	V
3	* 4.582	40.87	PK2	34.4	-32.2	43.07	-	-	74	-30.93	129	400	H
	* 4.584	29.68	MAv1	34.4	-32.2	31.88	54	-22.12	-	-	129	400	H
4	* 11.323	36.34	PK2	38.3	-25.2	49.44	-	-	74	-24.56	142	238	H
	* 11.324	25.15	MAv1	38.3	-25.2	38.25	54	-15.75	-	-	142	238	H
5	* 4.716	41.07	PK2	34.2	-32.1	43.17	-	-	74	-30.83	220	154	V
	* 4.718	29.5	MAv1	34.3	-32.1	31.7	54	-22.3	-	-	220	154	V
6	* 11.65	36.24	PK2	38.8	-25.3	49.74	-	-	74	-24.26	63	172	V
	* 11.65	24.42	MAv1	38.8	-25.3	37.92	54	-16.08	-	-	63	172	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

*.TST 30915 16 Jun 2015

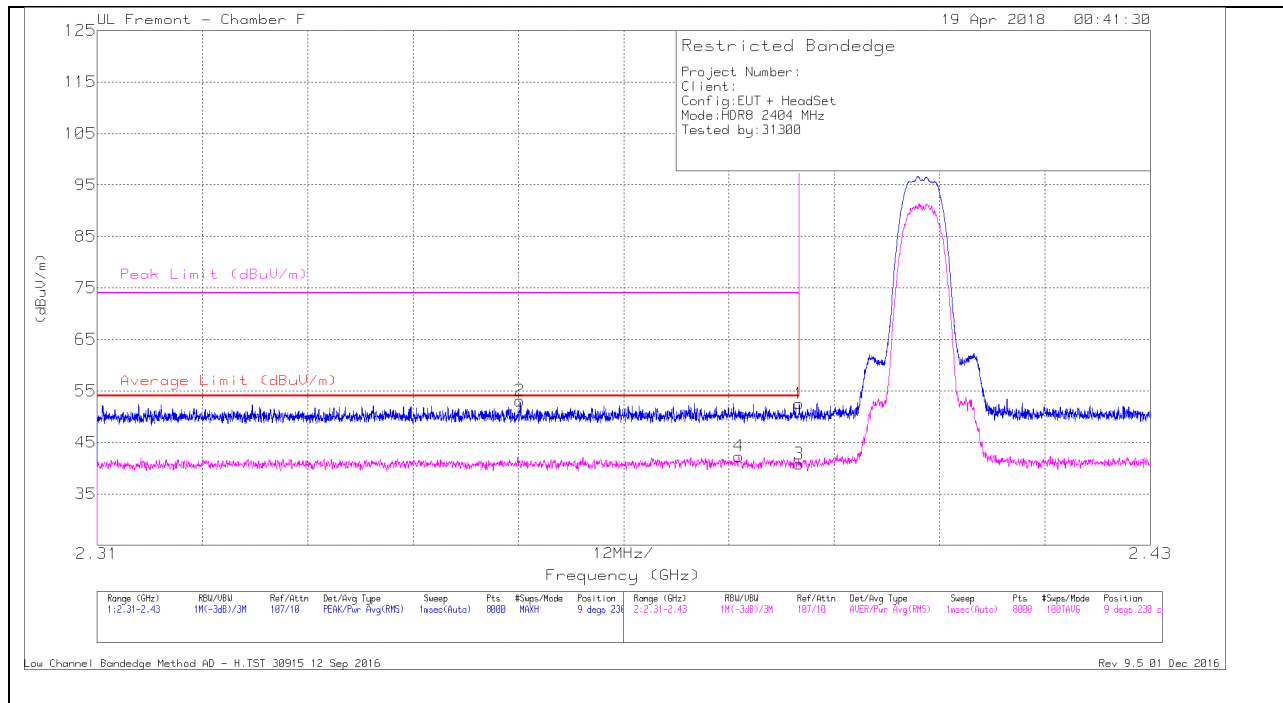
Rev 9.5 01 Dec 2016

9.2.4. LOW POWER HDR8

ANT. 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	41.23	Pk	31.9	-20.6	52.53	-	-	74	-21.47	9	230	H
2	* 2.358	41.98	Pk	31.8	-20.7	53.08	-	-	74	-20.92	9	230	H
3	* 2.39	29.52	RMS	31.9	-20.6	40.82	54	-13.18	-	-	9	230	H
4	* 2.383	31.12	RMS	31.8	-20.6	42.32	54	-11.68	-	-	9	230	H

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

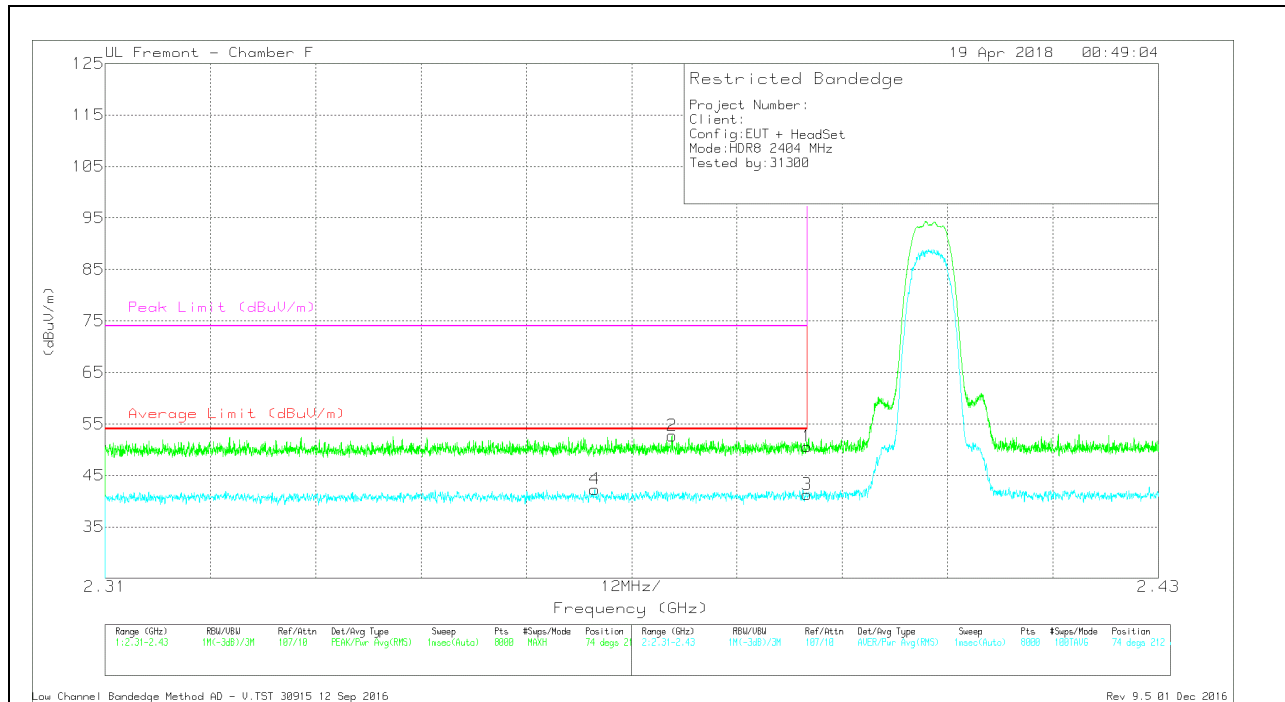
Pk - Peak detector

RMS - RMS detection

Low Channel Bandedge Method AD - H.TST 30915 12 Sep 2016

Rev 9.5 01 Dec 2016

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	39.33	Pk	31.9	-20.6	50.63	-	-	74	-23.37	74	212	V
2	* 2.375	41.52	Pk	31.8	-20.6	52.72	-	-	74	-21.28	74	212	V
3	* 2.39	30	RMS	31.9	-20.6	41.3	54	-12.7	-	-	74	212	V
4	* 2.366	31.22	RMS	31.8	-20.7	42.32	54	-11.68	-	-	74	212	V

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

Pk - Peak detector

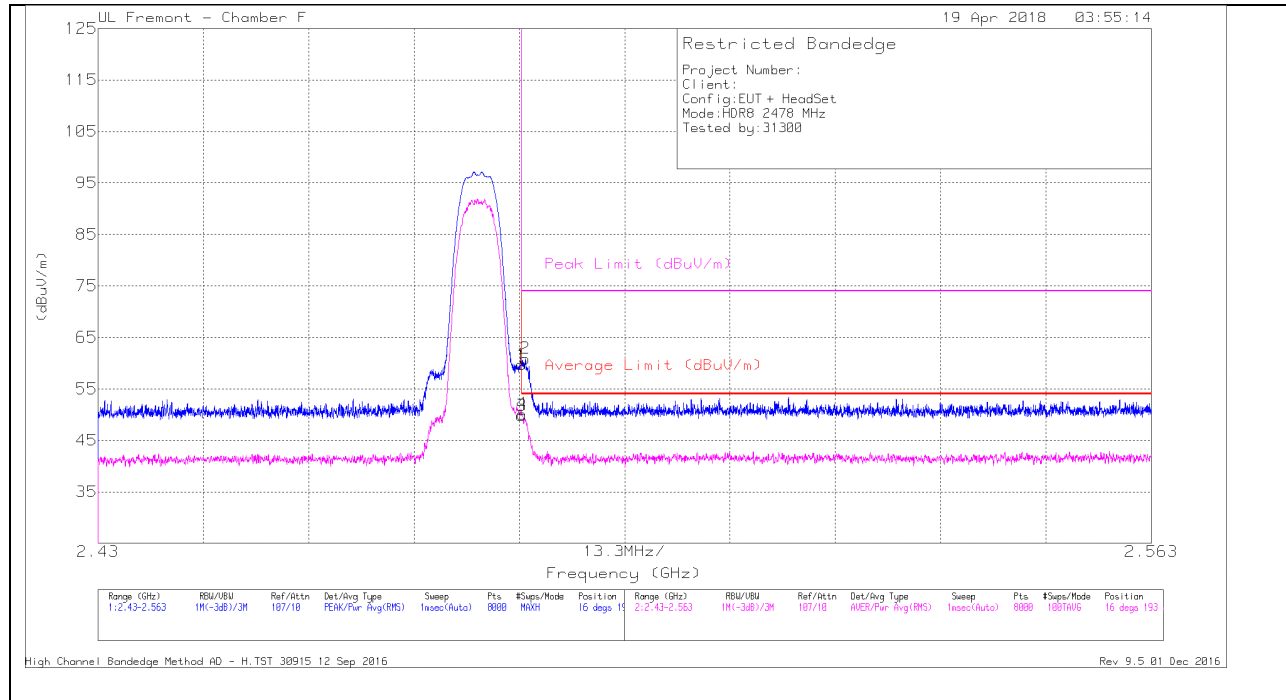
RMS - RMS detection

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

Rev 9.5 01 Dec 2016

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	48.3	Pk	32.1	-20.7	59.7	-	-	74	-14.3	16	193	H
2	* 2.484	49.39	Pk	32.2	-20.7	60.89	-	-	74	-13.11	16	193	H
3	* 2.484	38.41	RMS	32.1	-20.7	49.81	54	-4.19	-	-	16	193	H
4	* 2.484	38.72	RMS	32.1	-20.7	50.12	54	-3.88	-	-	16	193	H

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

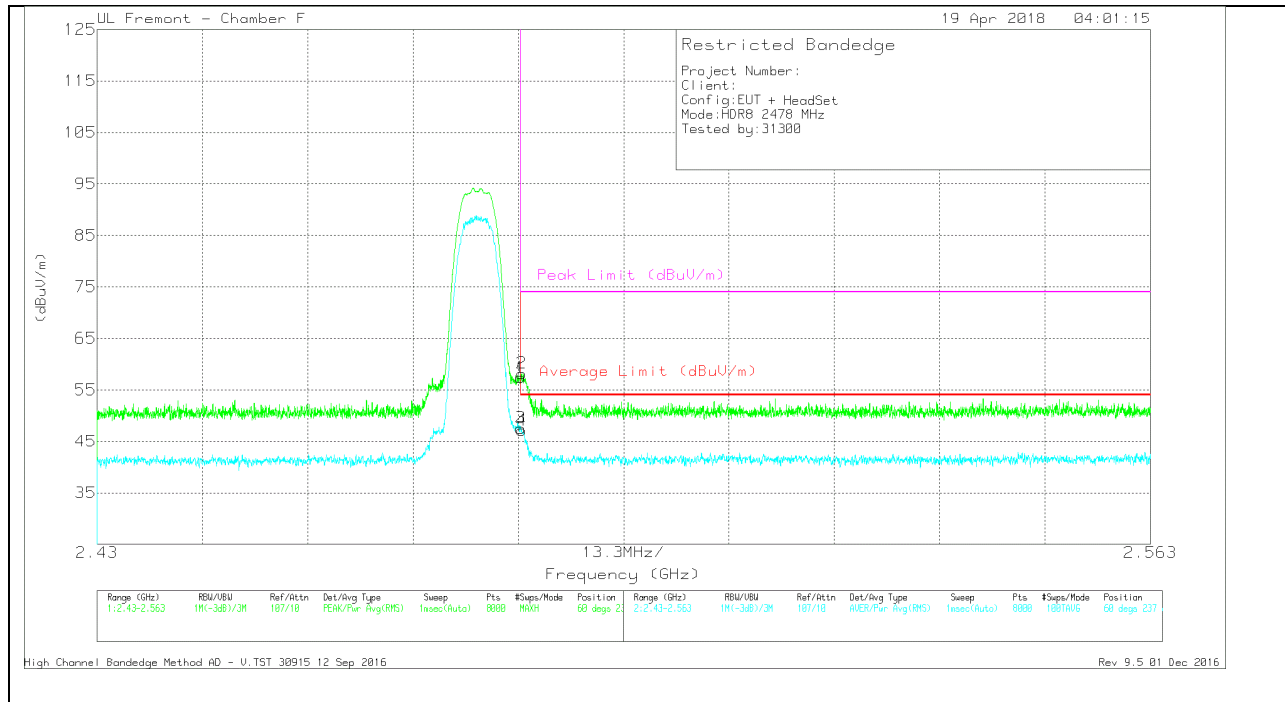
Pk - Peak detector

RMS - RMS detection

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

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VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	45.99	Pk	32.1	-20.7	57.39	-	-	74	-16.61	60	237	V
2	* 2.484	46.8	Pk	32.1	-20.7	58.2	-	-	74	-15.8	60	237	V
3	* 2.484	36.18	RMS	32.1	-20.7	47.58	54	-6.42	-	-	60	237	V
4	* 2.484	35.74	RMS	32.1	-20.7	47.14	54	-6.86	-	-	60	237	V

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

Pk - Peak detector

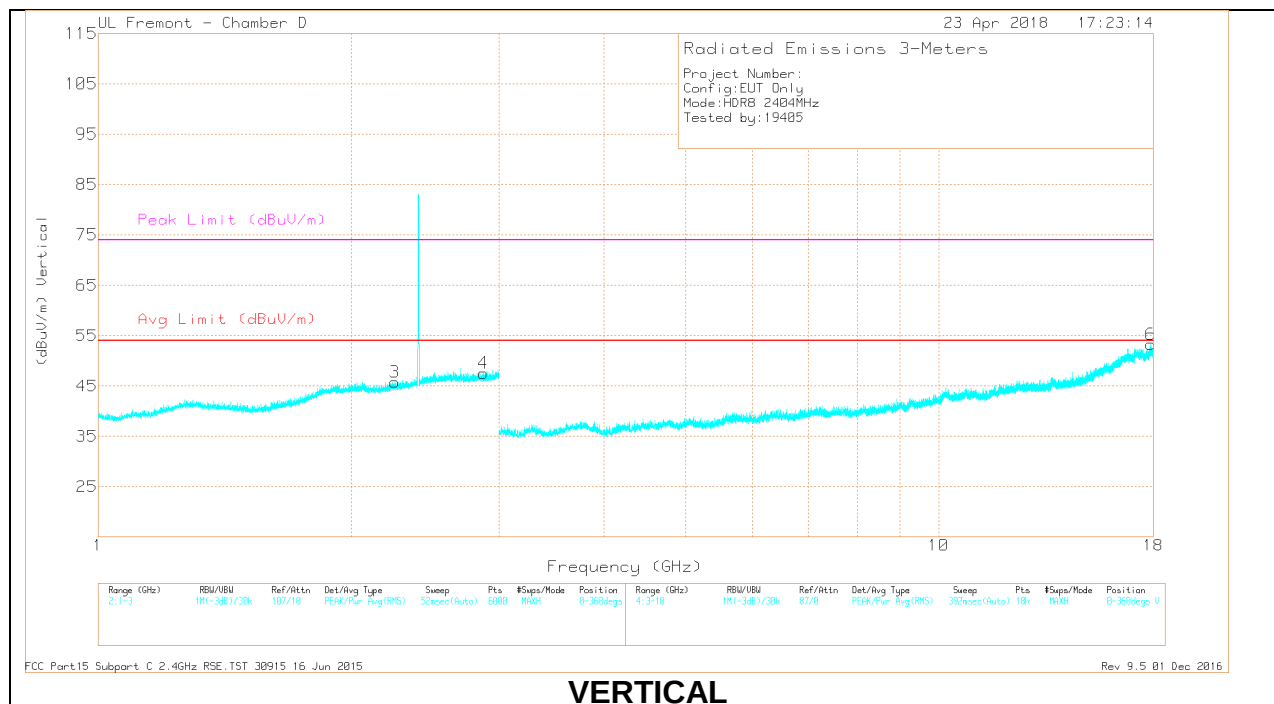
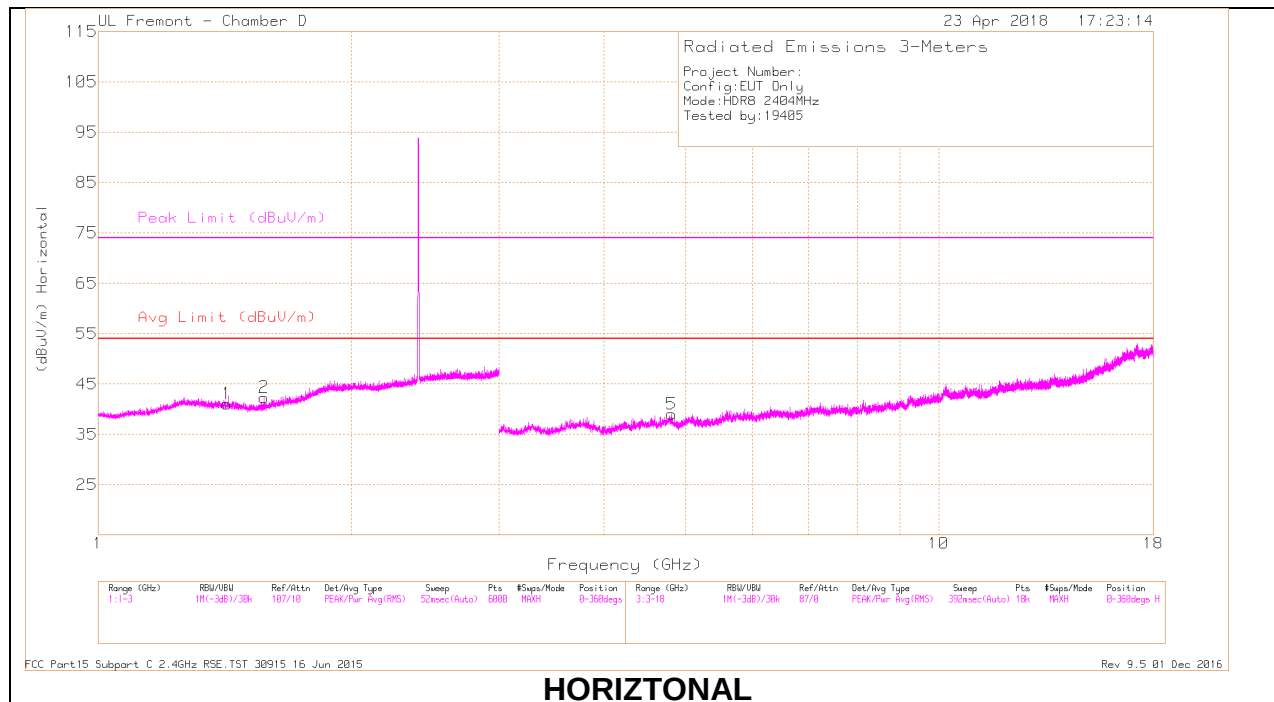
RMS - RMS detection

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

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HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

Markers	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	* 1.424	41.59	PK2	28.6	-21.8	48.39	-	-	74	-25.61	297	134	H
	* 1.422	30.41	MAv1	28.6	-21.8	37.21	54	-16.79	-	-	297	134	H
2	* 1.575	41.96	PK2	28.2	-21.6	48.56	-	-	74	-25.44	212	181	H
	* 1.576	30.28	MAv1	28.2	-21.6	36.88	54	-17.12	-	-	212	181	H
3	* 2.873	41.37	PK2	32.5	-19.9	53.97	-	-	74	-20.03	214	109	V
	* 2.877	30.06	MAv1	32.5	-19.9	42.66	54	-11.34	-	-	214	109	V
4	* 2.253	42.46	PK2	31.5	-20.8	53.16	-	-	74	-20.84	44	238	V
	* 2.254	30.39	MAv1	31.5	-20.8	41.09	54	-12.91	-	-	44	238	V
5	* 4.812	36.89	PK2	34.5	-26.6	44.79	-	-	74	-29.21	326	114	H
	* 4.81	25.88	MAv1	34.5	-26.5	33.88	54	-20.12	-	-	326	114	H
6	* 17.884	32.72	PK2	42	-15.3	59.42	-	-	74	-14.58	262	229	V
	* 17.882	21.82	MAv1	42	-15.3	48.52	54	-5.48	-	-	262	229	V

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

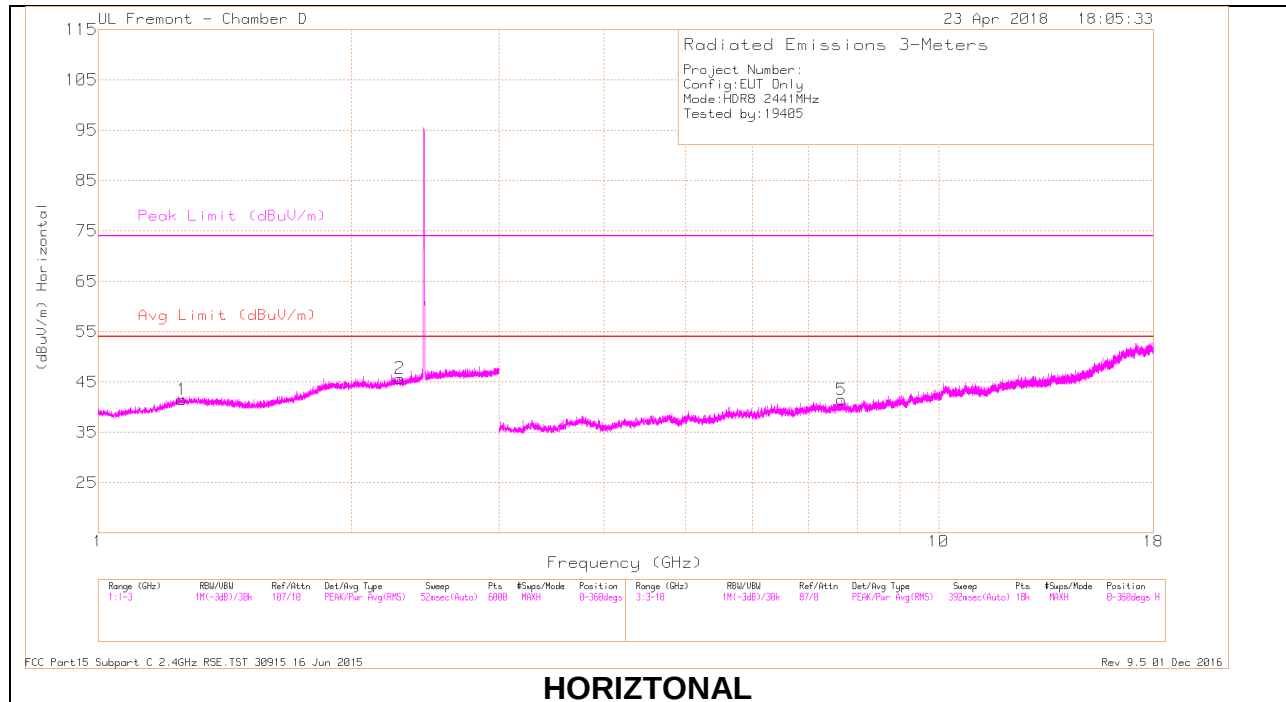
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

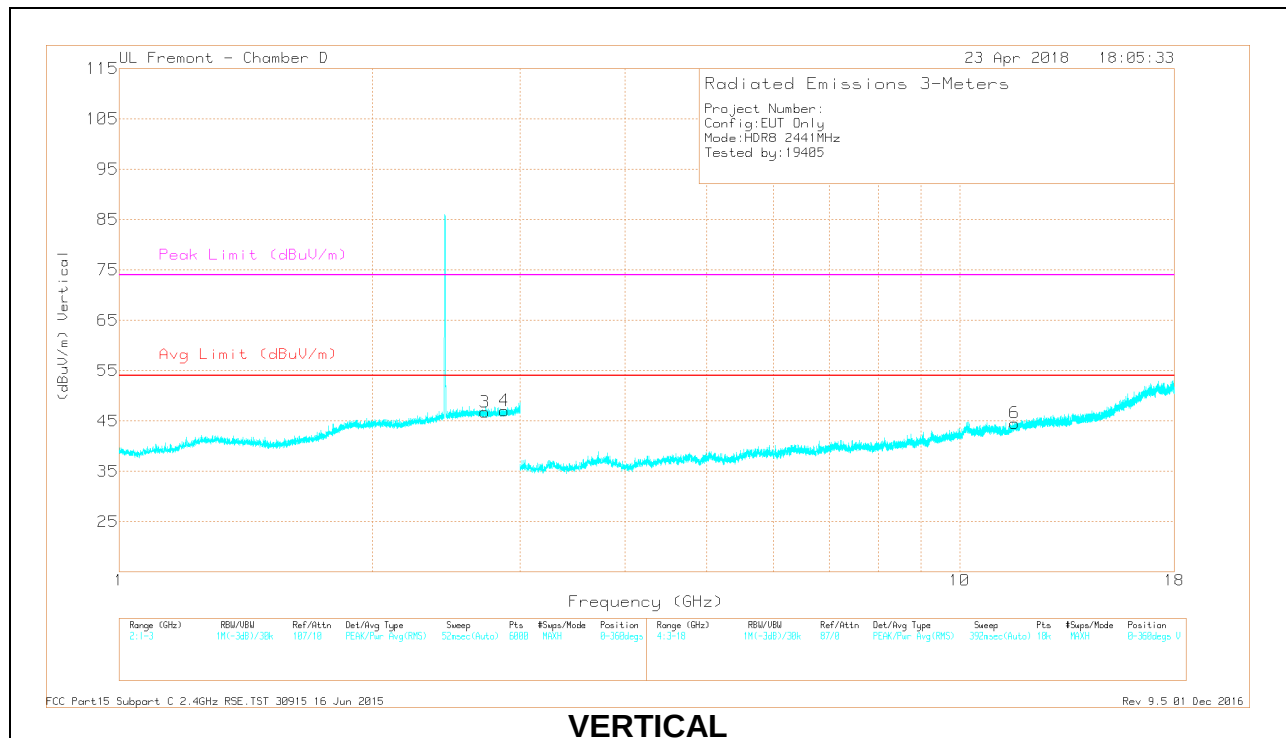
FCC Part15 Subpart C 2.4GHz RSE.TST 30915 16 Jun 2015

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MID CHANNEL RESULTS



HORIZTONTAL



VERTICAL

RADIATED EMISSIONS

Markers	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	* 1.261	42.53	PK2	29.1	-22	49.63	-	-	74	-24.37	301	173	H
	* 1.258	30.77	MAv1	29.1	-22.1	37.77	54	-16.23	-	-	301	173	H
2	* 2.285	42.3	PK2	31.5	-20.7	53.1	-	-	74	-20.9	88	246	H
	* 2.285	30.46	MAv1	31.5	-20.7	41.26	54	-12.74	-	-	88	246	H
3	* 2.723	41.82	PK2	32.6	-20.2	54.22	-	-	74	-19.78	174	320	V
	* 2.724	30.35	MAv1	32.5	-20.2	42.65	54	-11.35	-	-	174	320	V
4	* 2.874	41.54	PK2	32.5	-19.9	54.14	-	-	74	-19.86	66	128	V
	* 2.873	30.17	MAv1	32.5	-19.9	42.77	54	-11.23	-	-	66	128	V
5	* 7.668	35.69	PK2	36.1	-24	47.79	-	-	74	-26.21	189	314	H
	* 7.667	23.93	MAv1	36.1	-24	36.03	54	-17.97	-	-	189	314	H
6	* 11.627	32.74	PK2	38.3	-19.7	51.34	-	-	74	-22.66	189	246	V
	* 11.628	21.46	MAv1	38.3	-19.7	40.06	54	-13.94	-	-	189	246	V

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

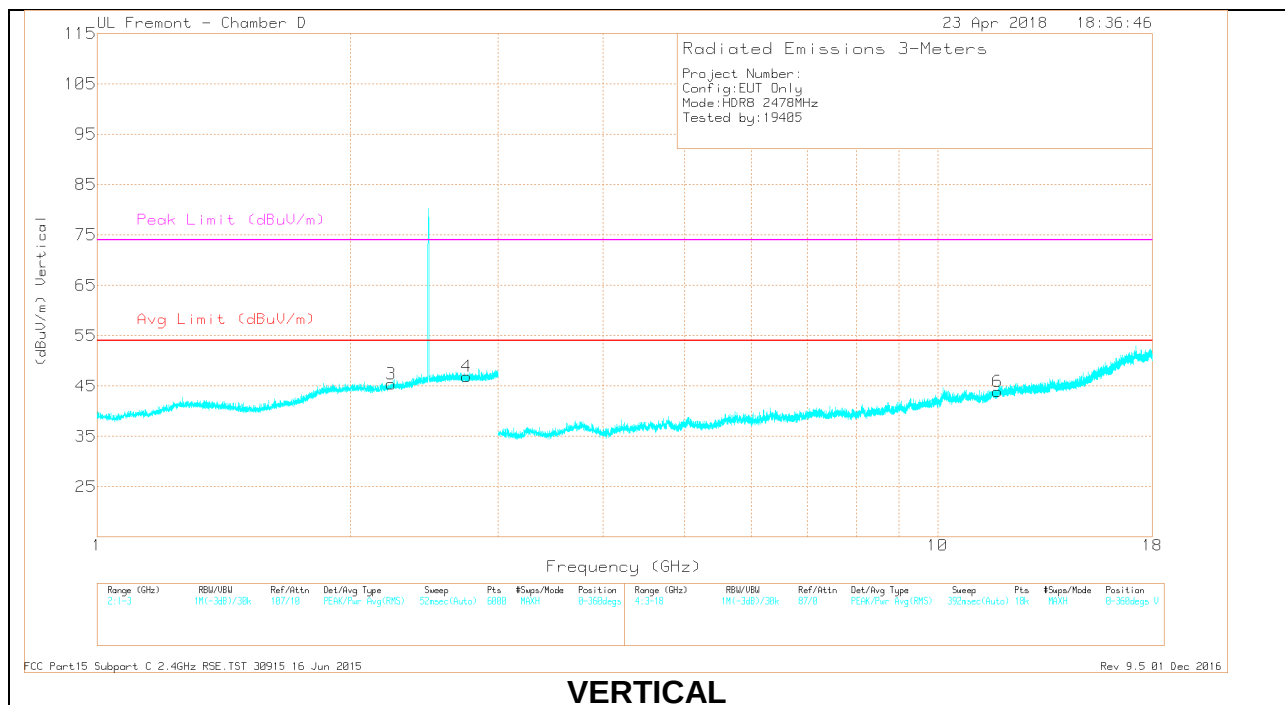
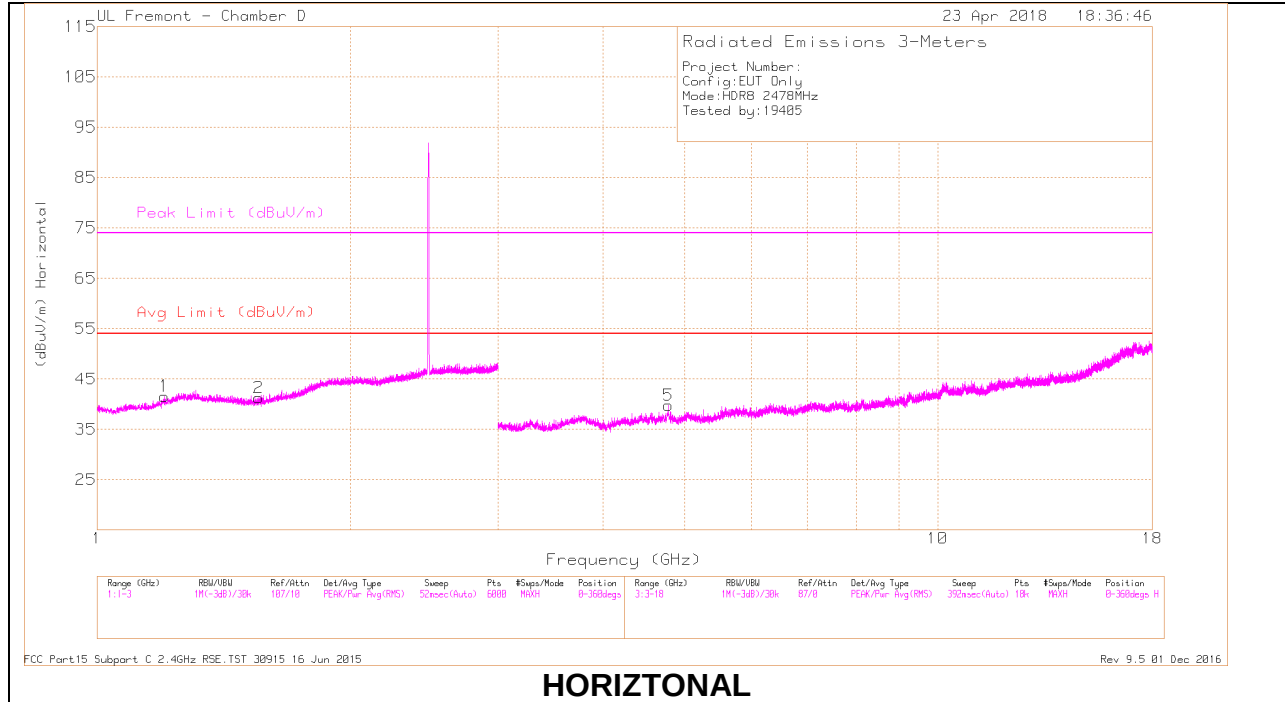
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

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

Rev 9.5 01 Dec 2016

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Markers	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	* 1.202	43.06	PK2	28.3	-22.2	49.16	-	-	74	-24.84	29	176	H
	* 1.204	30.74	MAv1	28.4	-22.1	37.04	54	-16.96	-	-	29	176	H
2	* 1.558	42.12	PK2	28	-21.6	48.52	-	-	74	-25.48	132	239	H
	* 1.555	30.47	MAv1	28	-21.6	36.87	54	-17.13	-	-	132	239	H
3	* 2.24	42.17	PK2	31.5	-20.7	52.97	-	-	74	-21.03	278	285	V
	* 2.239	30.54	MAv1	31.4	-20.7	41.24	54	-12.76	-	-	278	285	V
4	* 2.753	41.64	PK2	32.5	-20.2	53.94	-	-	74	-20.06	319	185	V
	* 2.753	30.26	MAv1	32.5	-20.2	42.56	54	-11.44	-	-	319	185	V
5	* 4.779	37.08	PK2	34.5	-26.2	45.38	-	-	74	-28.62	266	110	H
	* 4.778	26.21	MAv1	34.5	-26.2	34.51	54	-19.49	-	-	266	110	H
6	* 11.79	32.89	PK2	38.6	-20.2	51.29	-	-	74	-22.71	181	237	V
	* 11.791	22	MAv1	38.6	-20.2	40.4	54	-13.6	-	-	181	237	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

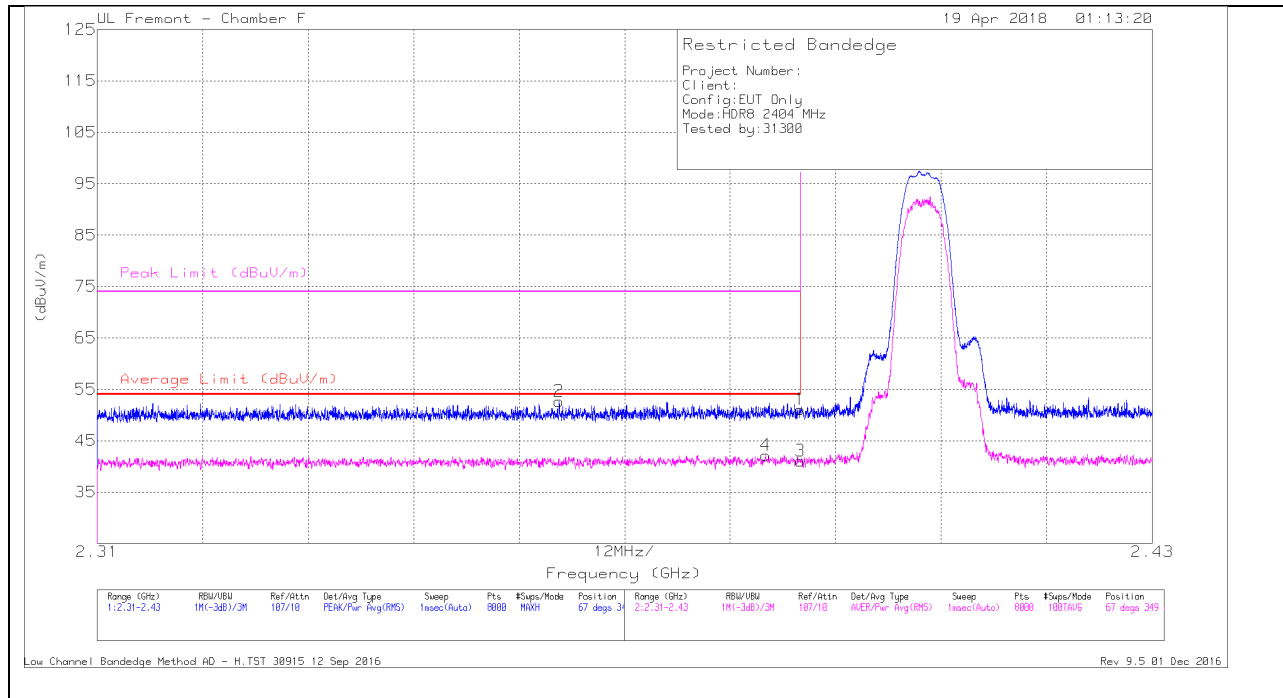
FCC Part15 Subpart C 2.4GHz RSE.TST 30915 16 Jun 2015

Rev 9.5 01 Dec 2016

ANT. 3, HDR8

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT119 (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	39.8	Pk	31.9	-20.6	51.1	-	-	74	-22.9	67	349	H
2	* 2.363	41.6	Pk	31.8	-20.7	52.7	-	-	74	-21.3	67	349	H
3	* 2.39	29.77	RMS	31.9	-20.6	41.07	54	-12.93	-	-	67	349	H
4	* 2.386	30.97	RMS	31.8	-20.6	42.17	54	-11.83	-	-	67	349	H

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

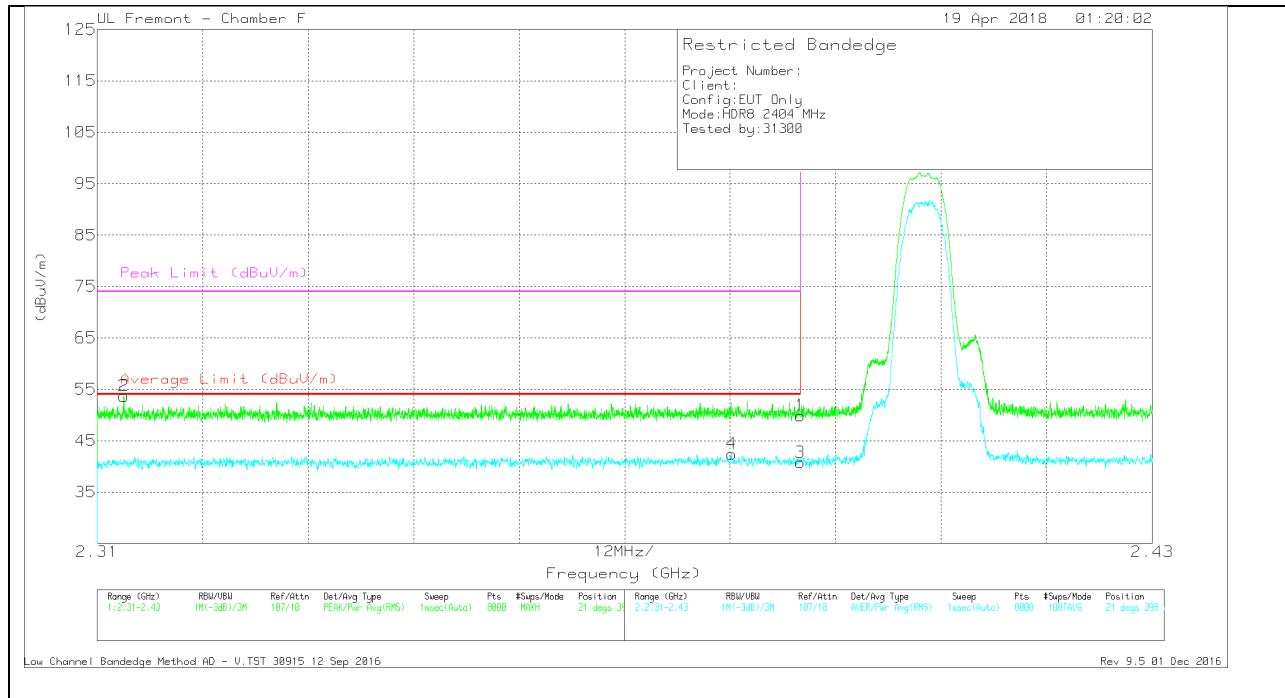
Pk - Peak detector

RMS - RMS detection

Low Channel Bandedge Method AD - H.TST 30915 12 Sep 2016

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VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	38.59	Pk	31.9	-20.6	49.89	-	-	74	-24.11	21	398	V
2	* 2.313	42.81	Pk	31.6	-20.7	53.71	-	-	74	-20.29	21	398	V
3	* 2.39	29.47	RMS	31.9	-20.6	40.77	54	-13.23	-	-	21	398	V
4	* 2.382	31.24	RMS	31.8	-20.6	42.44	54	-11.56	-	-	21	398	V

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

Pk - Peak detector

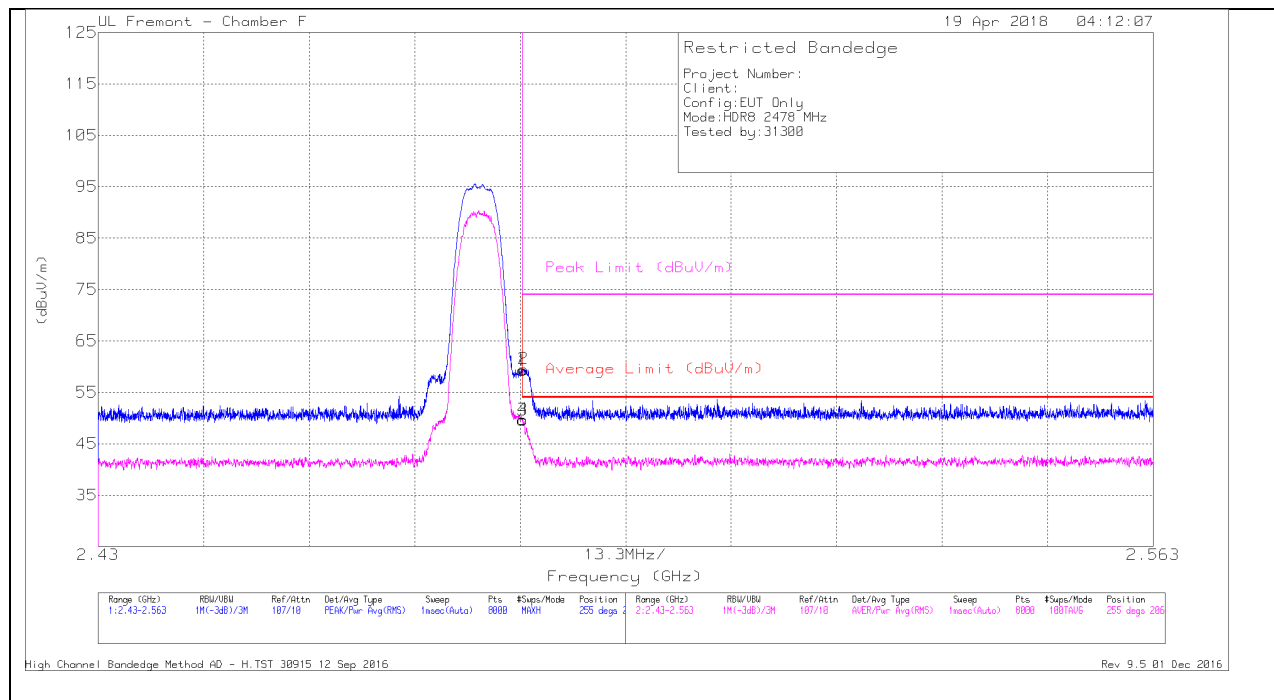
RMS - RMS detection

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

Rev 9.5 01 Dec 2016

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT119 (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	47.85	Pk	32.1	-20.7	59.25	-	-	74	-14.75	255	206	H
2	* 2.484	48.15	Pk	32.1	-20.7	59.55	-	-	74	-14.45	255	206	H
3	* 2.484	38.23	RMS	32.1	-20.7	49.63	54	-4.37	-	-	255	206	H
4	* 2.484	38.35	RMS	32.1	-20.7	49.75	54	-4.25	-	-	255	206	H

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

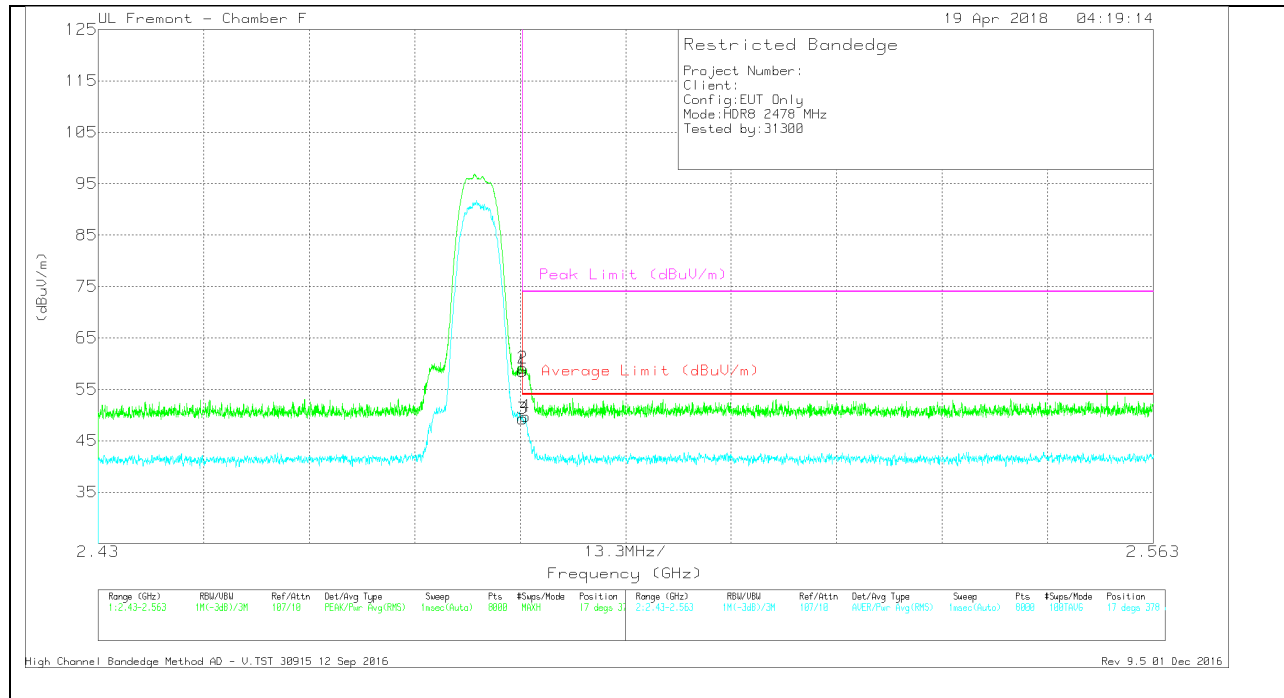
Pk - Peak detector

RMS - RMS detection

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

Rev 9.5 01 Dec 2016

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	47.13	Pk	32.1	-20.7	58.53	-	-	74	-15.47	17	378	V
2	* 2.484	47.74	Pk	32.1	-20.7	59.14	-	-	74	-14.86	17	378	V
3	* 2.484	37.9	RMS	32.1	-20.7	49.3	54	-4.7	-	-	17	378	V
4	* 2.484	38.23	RMS	32.2	-20.7	49.73	54	-4.27	-	-	17	378	V

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

Pk - Peak detector

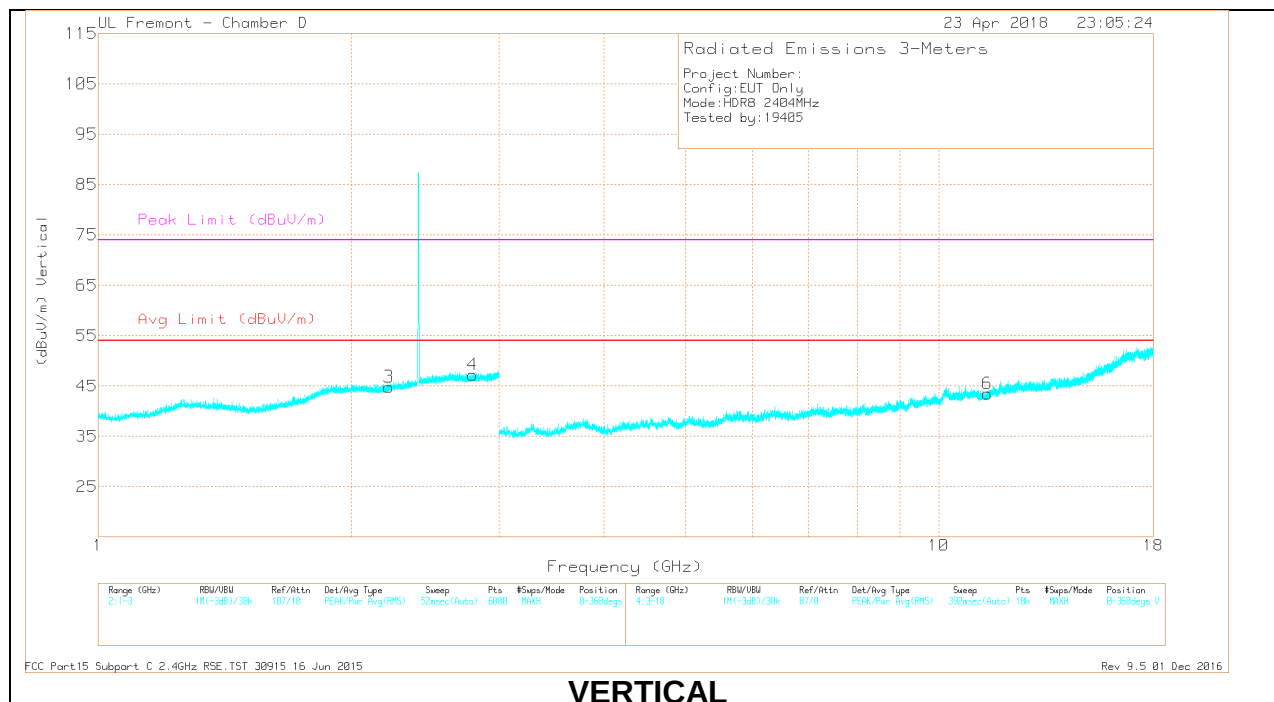
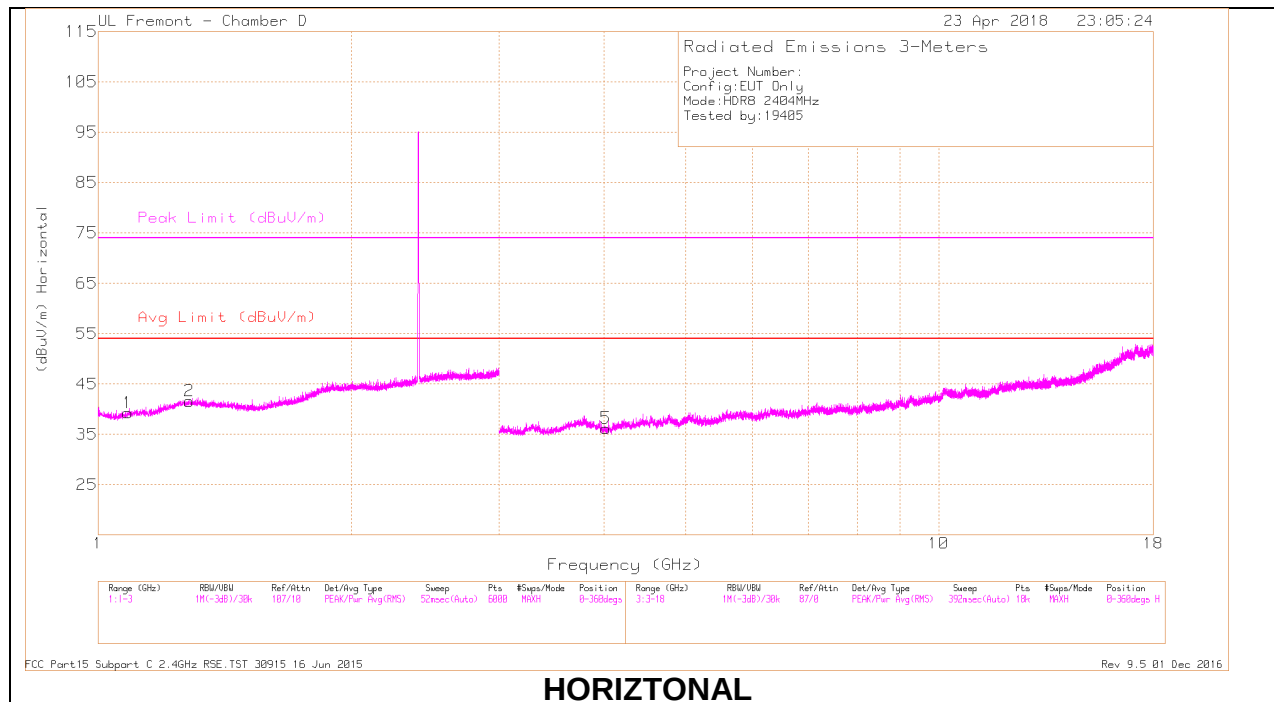
RMS - RMS detection

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

Rev 9.5 01 Dec 2016

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

Markers	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	* 1.086	42.13	PK2	27.2	-22.3	47.03	-	-	74	-26.97	342	190	H
	* 1.084	30.58	MAv1	27.2	-22.3	35.48	54	-18.52	-	-	342	190	H
2	* 1.283	42.09	PK2	29.2	-22.1	49.19	-	-	74	-24.81	296	223	H
	* 1.284	30.45	MAv1	29.2	-22.1	37.55	54	-16.45	-	-	296	223	H
3	* 2.218	41.97	PK2	31.3	-20.7	52.57	-	-	74	-21.43	240	254	V
	* 2.219	30.19	MAv1	31.3	-20.7	40.79	54	-13.21	-	-	240	254	V
4	* 2.79	41.66	PK2	32.6	-20	54.26	-	-	74	-19.74	206	140	V
	* 2.788	30.18	MAv1	32.6	-20.1	42.68	54	-11.32	-	-	206	140	V
5	* 4.019	37.44	PK2	33.6	-28.4	42.64	-	-	74	-31.36	160	243	H
	* 4.018	26.51	MAv1	33.6	-28.4	31.71	54	-22.29	-	-	160	243	H
6	* 11.421	32.83	PK2	37.9	-20.4	50.33	-	-	74	-23.67	59	216	V
	* 11.422	22.2	MAv1	37.9	-20.4	39.7	54	-14.3	-	-	59	216	V

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

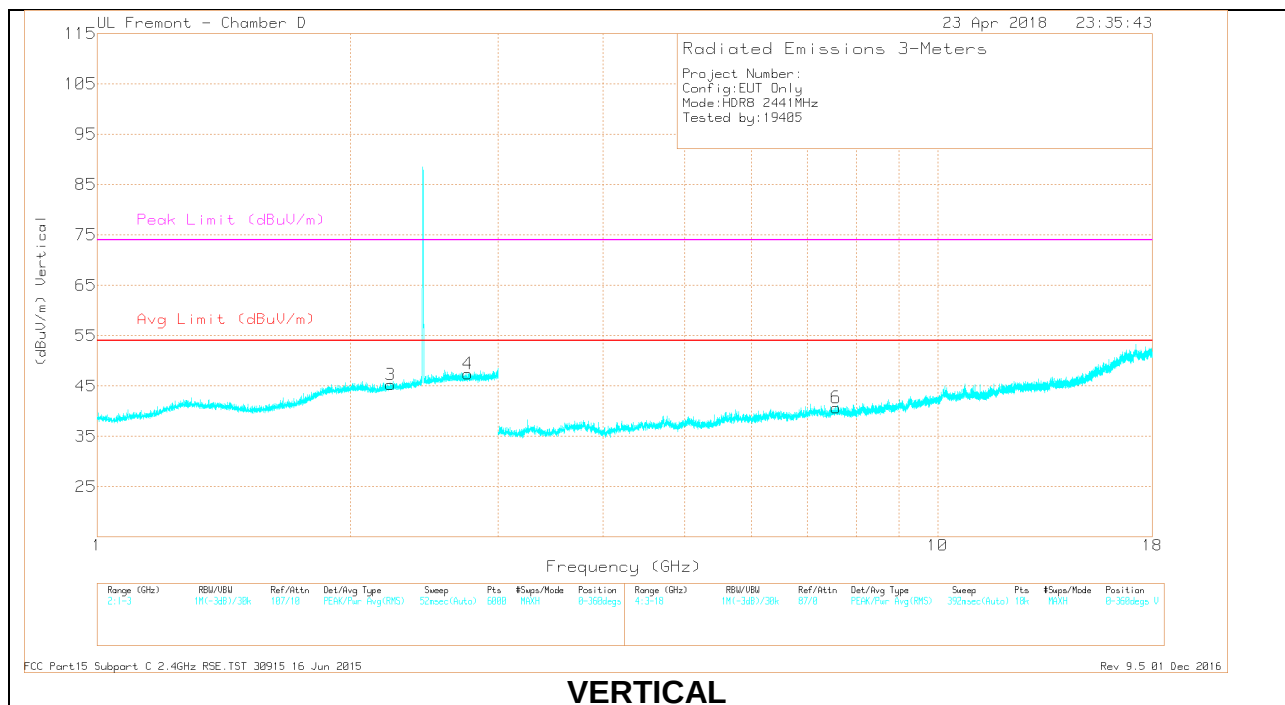
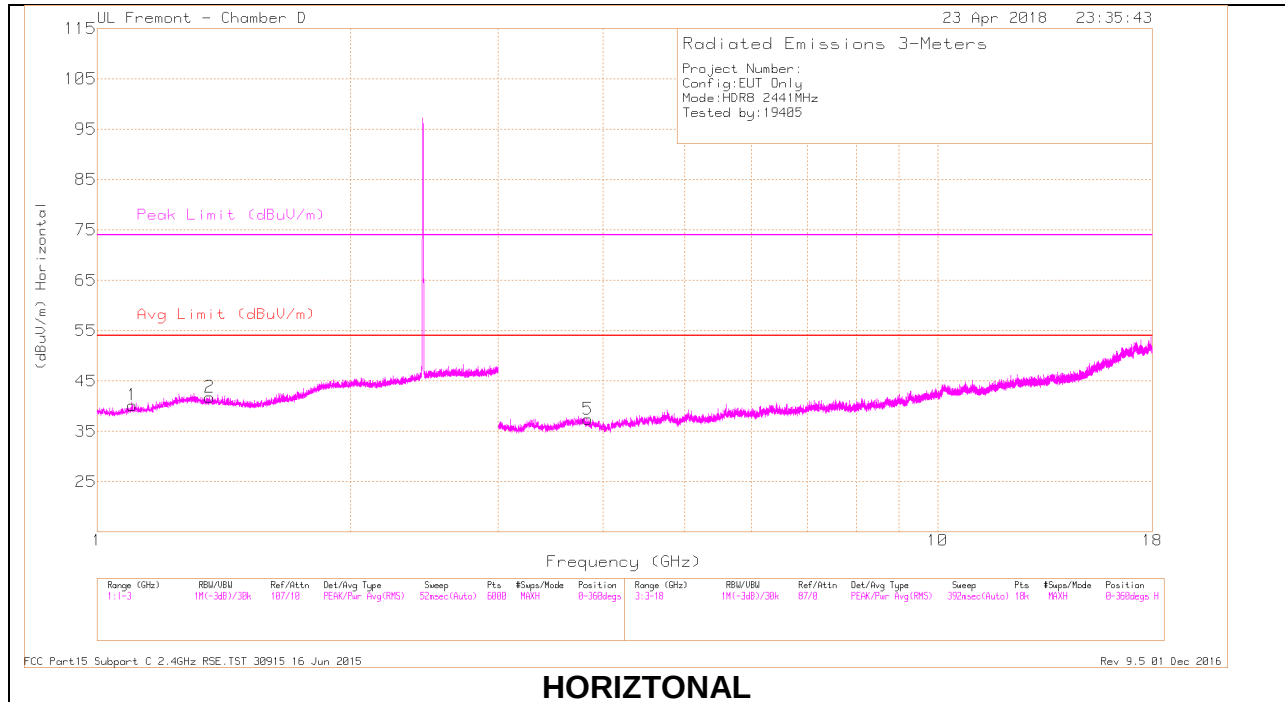
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

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

Rev 9.5 01 Dec 2016

MID CHANNEL RESULTS



RADIATED EMISSIONS

Markers	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	* 1.102	41.99	PK2	27.4	-22.3	47.09	-	-	74	-26.91	34	265	H
	* 1.1	30.57	MAv1	27.4	-22.3	35.67	54	-18.33	-	-	34	265	H
2	* 1.36	41.97	PK2	28.8	-21.9	48.87	-	-	74	-25.13	119	239	H
	* 1.362	30.43	MAv1	28.8	-21.8	37.43	54	-16.57	-	-	119	239	H
3	* 2.235	42.53	PK2	31.4	-20.7	53.23	-	-	74	-20.77	182	368	V
	* 2.233	30.25	MAv1	31.4	-20.6	41.05	54	-12.95	-	-	182	368	V
4	* 2.764	42.39	PK2	32.5	-20.1	54.79	-	-	74	-19.21	226	272	V
	* 2.762	30.04	MAv1	32.5	-20.1	42.44	54	-11.56	-	-	226	272	V
5	* 3.837	38.78	PK2	33.6	-28.3	44.08	-	-	74	-29.92	258	133	H
	* 3.839	27.43	MAv1	33.6	-28.3	32.73	54	-21.27	-	-	258	133	H
6	* 7.571	35.93	PK2	36.3	-24.3	47.93	-	-	74	-26.07	179	194	V
	* 7.572	24.49	MAv1	36.3	-24.3	36.49	54	-17.51	-	-	179	194	V

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

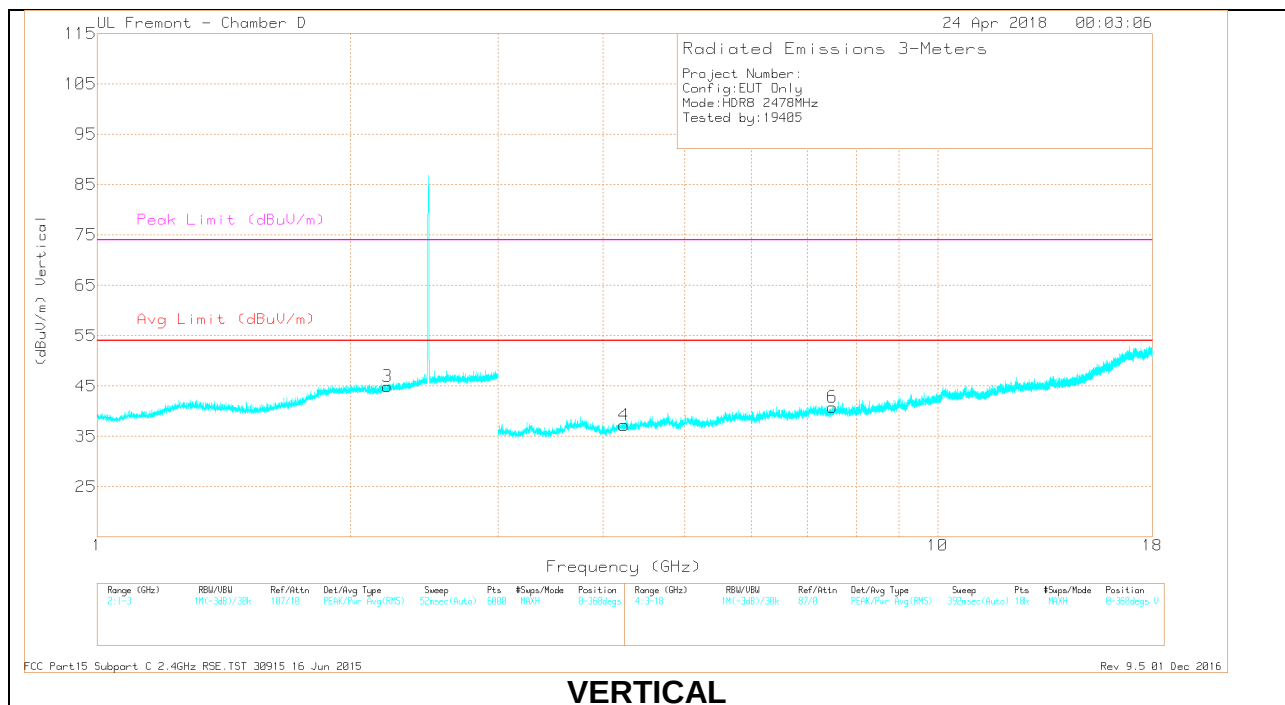
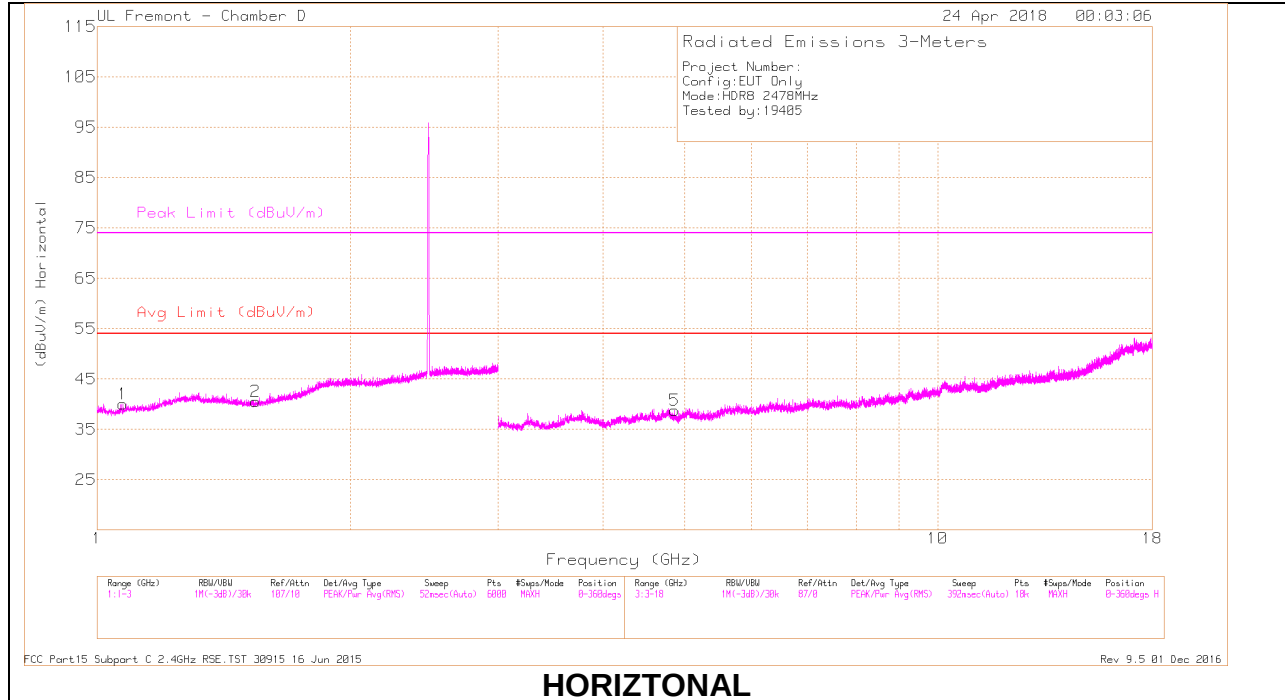
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

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

Rev 9.5 01 Dec 2016

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Markers	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	* 1.074	42.63	PK2	27	-22.4	47.23	-	-	74	-26.77	20	168	H
	* 1.074	30.5	MAv1	27	-22.4	35.1	54	-18.9	-	-	20	168	H
2	* 1.542	42.04	PK2	28	-21.6	48.44	-	-	74	-25.56	127	240	H
	* 1.544	30.14	MAv1	28	-21.6	36.54	54	-17.46	-	-	127	240	H
3	* 2.215	41.78	PK2	31.3	-20.7	52.38	-	-	74	-21.62	217	297	V
	* 2.214	30.11	MAv1	31.3	-20.7	40.71	54	-13.29	-	-	217	297	V
5	* 4.865	36.93	PK2	34.4	-27.6	43.73	-	-	74	-30.27	121	373	H
	* 4.864	26.02	MAv1	34.4	-27.6	32.82	54	-21.18	-	-	121	373	H
4	* 4.235	37.55	PK2	33.8	-27	44.35	-	-	74	-29.65	242	186	V
	* 4.235	26.2	MAv1	33.8	-27.1	32.9	54	-21.1	-	-	242	186	V
6	* 7.492	35.74	PK2	36.3	-24.3	47.74	-	-	74	-26.26	193	270	V
	* 7.491	24.61	MAv1	36.3	-24.3	36.61	54	-17.39	-	-	193	270	V

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

PK2 - KDB558074 Method: Maximum Peak

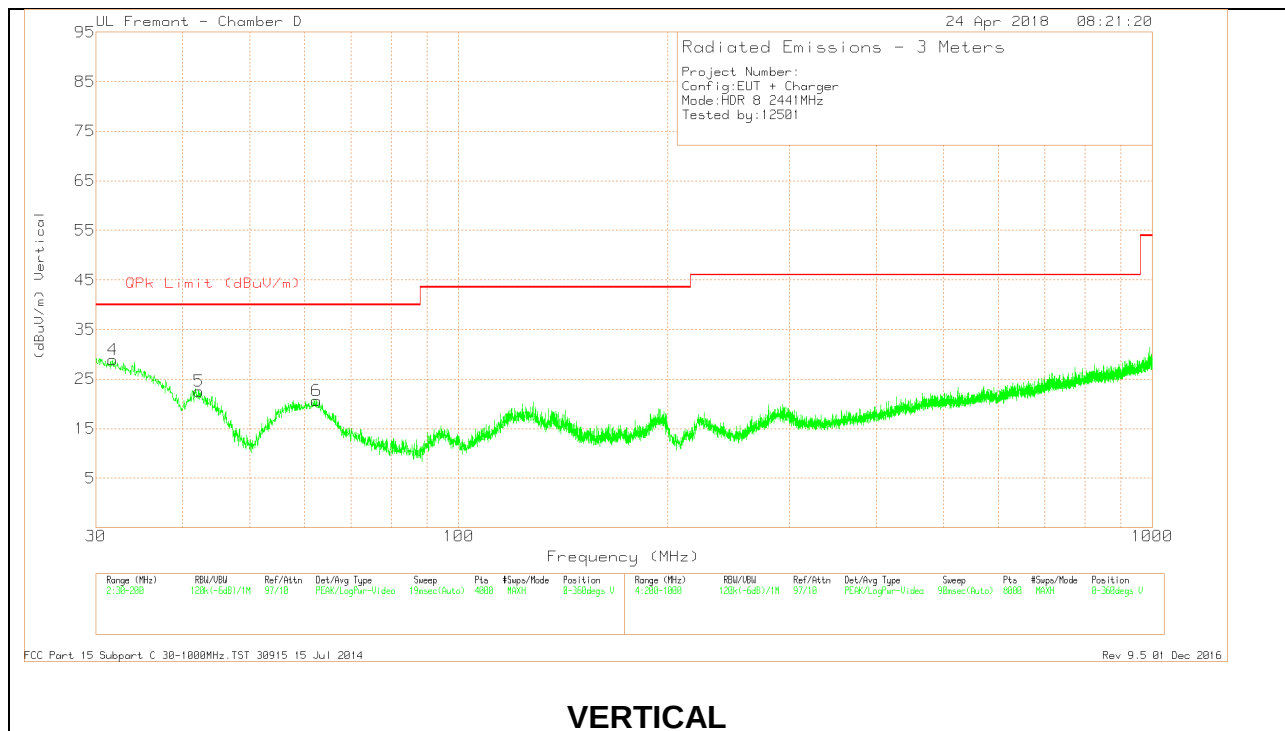
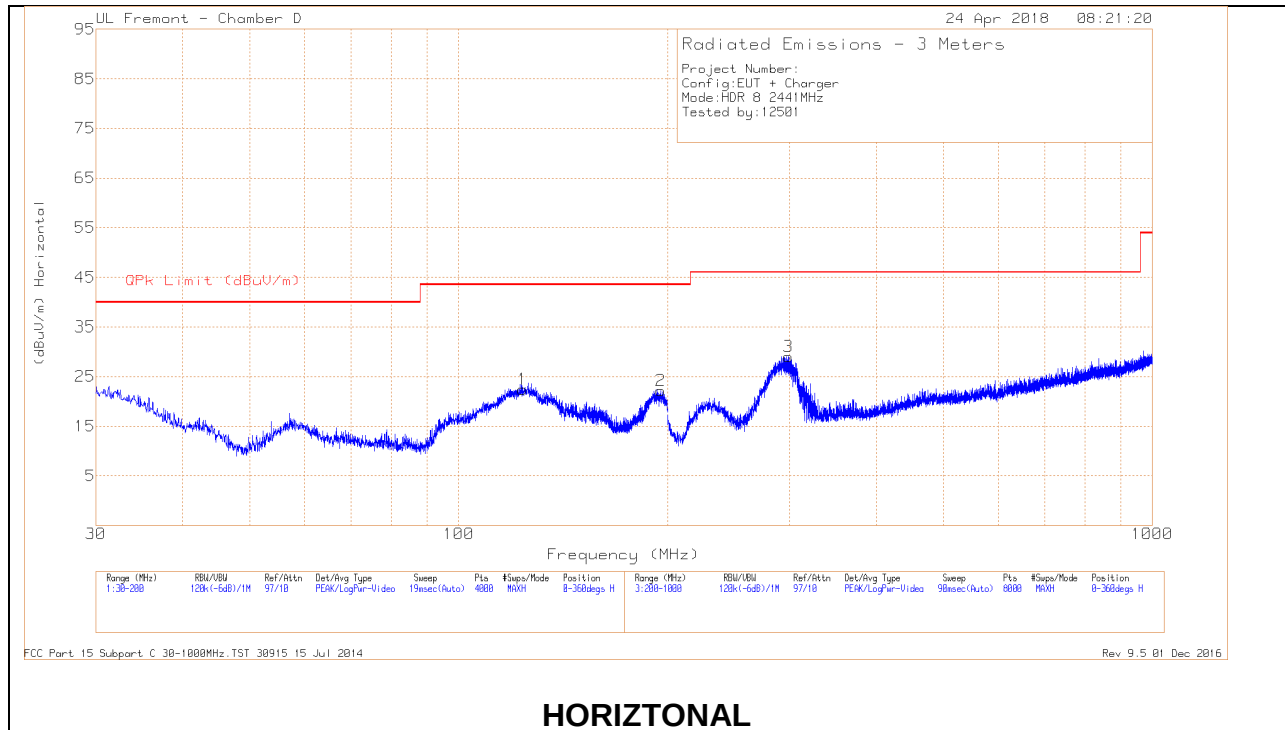
MAv1 - KDB558074 Option 1 Maximum RMS Average

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

Rev 9.5 01 Dec 2016

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	* 123.6942	35.27	Pk	18.4	-31.2	22.47	43.52	-21.05	0-360	199	H
4	31.7004	35.82	Pk	25	-31.9	28.92	40	-11.08	0-360	100	V
5	42.2432	37.5	Pk	16.8	-31.8	22.5	40	-17.5	0-360	100	V
6	62.4359	39.8	Pk	12.4	-31.6	20.6	40	-19.4	0-360	100	V
2	195.7716	36.45	Pk	16.5	-30.8	22.15	43.52	-21.37	0-360	98	H
3	298.5128	41.65	Pk	17.8	-30.4	29.05	46.02	-16.97	0-360	101	H

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

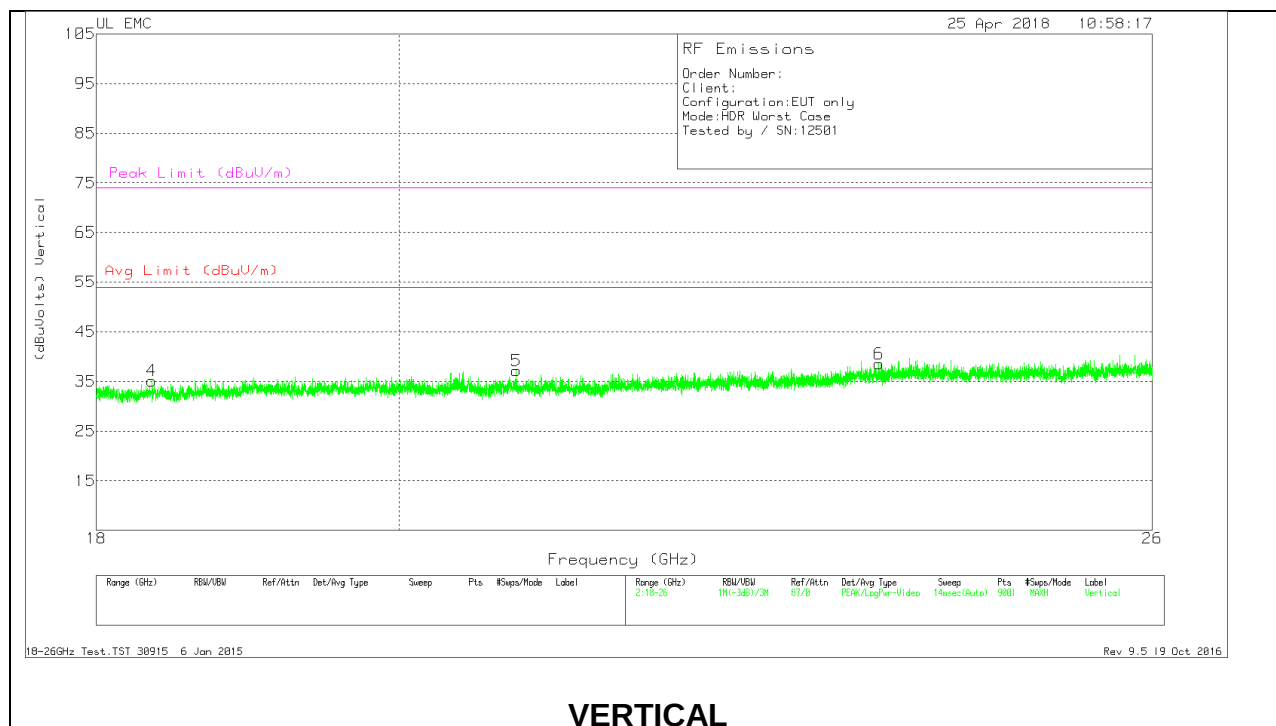
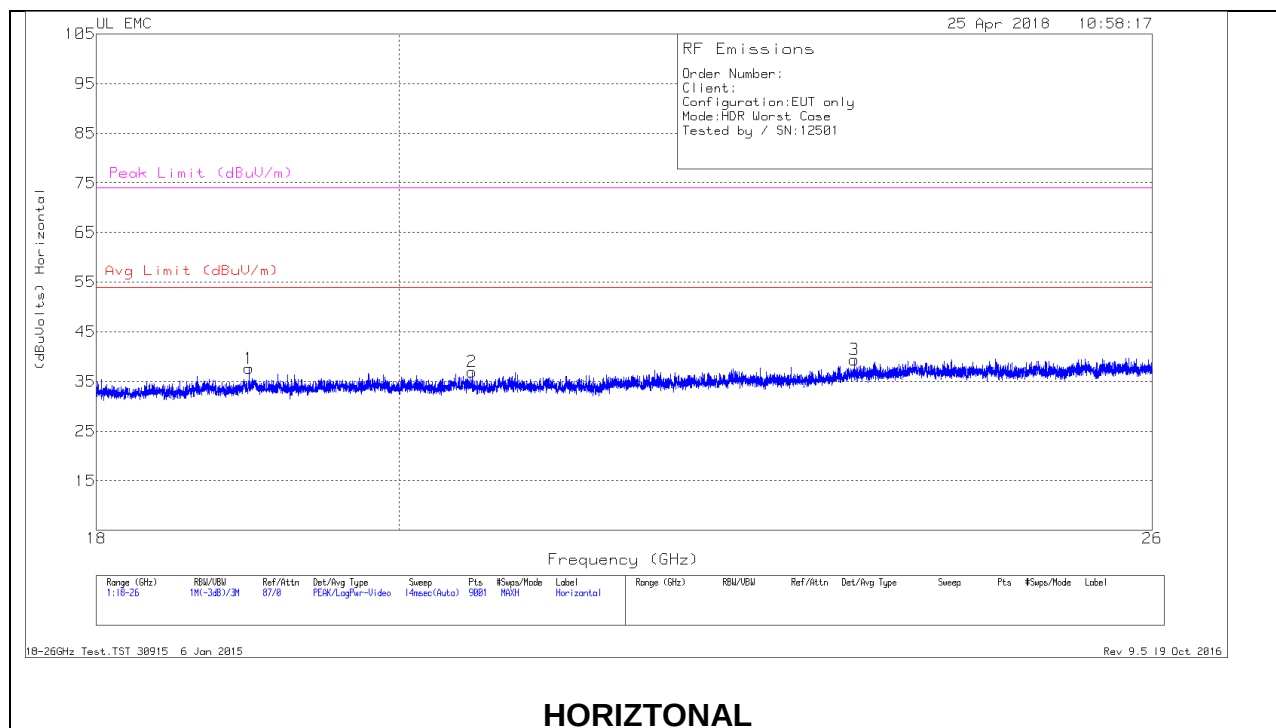
Pk - Peak detector

FCC Part 15 Subpart C 30-1000MHz.TST 30915 15 Jul 2014

Rev 9.5 01 Dec 2016

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	18.982	39.92	Pk	32.4	-25.2	-9.5	37.62	54	-16.38	74	-36.38
2	20.515	38.63	Pk	33.1	-25.3	-9.5	36.93	54	-17.07	74	-37.07
3	23.437	39.48	Pk	33.9	-24.5	-9.5	39.38	54	-14.62	74	-34.62
4	18.35	37.53	Pk	32.3	-25.2	-9.5	35.13	54	-18.87	74	-38.87
5	20.833	38.87	Pk	33.1	-25.3	-9.5	37.17	54	-16.83	74	-36.83
6	23.637	38.75	Pk	33.9	-24.6	-9.5	38.55	54	-15.45	74	-35.45

Pk - Peak detector

18-26GHz Test.TST 30915 6 Jan 2015

Rev 9.5 19 Oct 2016

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.

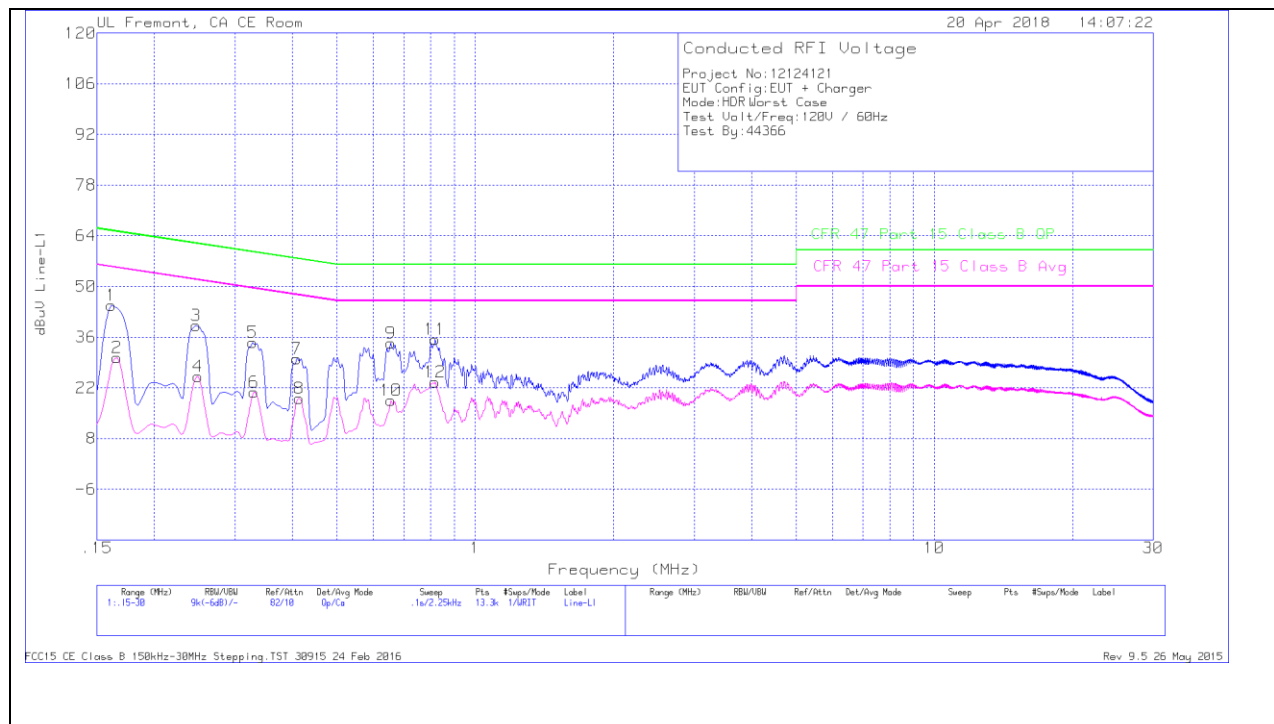
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

10.1.1. AC Power Line with AC Charger

LINE 1 RESULTS



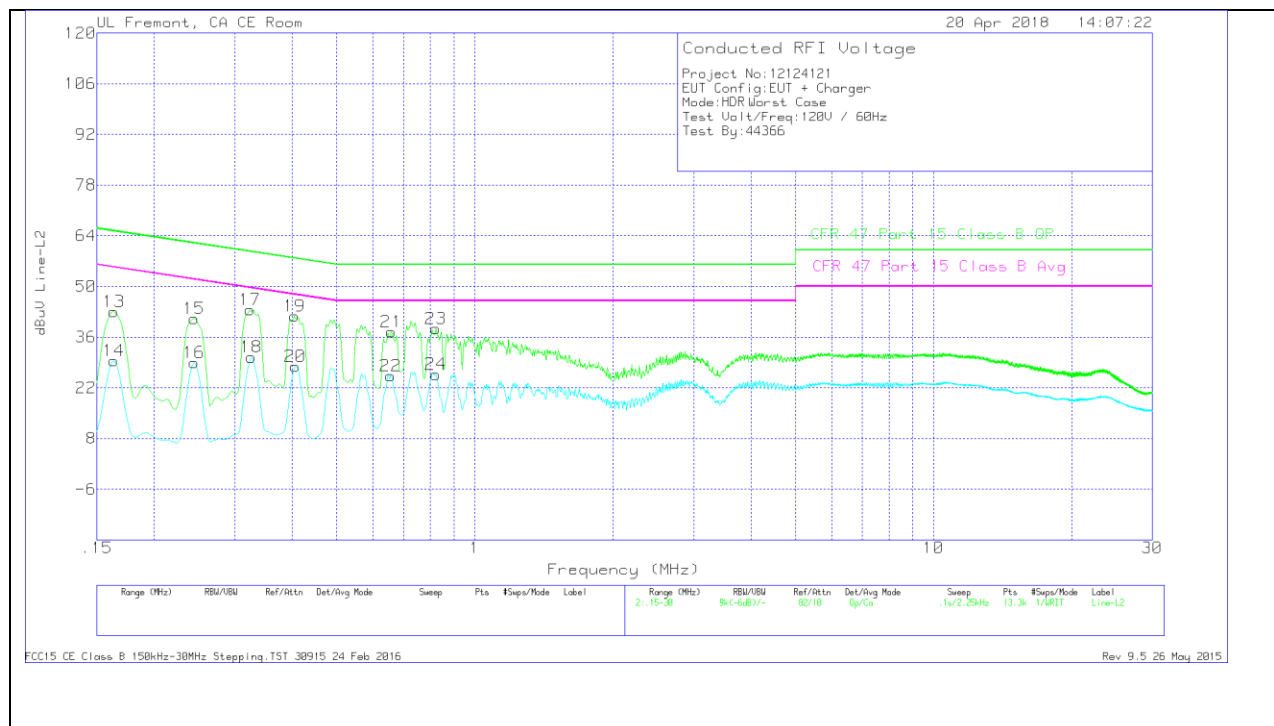
DATA

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	34.56	Qp	.1	0	10.1	44.76	65.4	-20.64	-	-
2	.16575	20.15	Ca	.1	0	10.1	30.35	-	-	55.17	-24.82
3	.24675	29.05	Qp	0	0	10.1	39.15	61.87	-22.72	-	-
4	.249	14.99	Ca	0	0	10.1	25.09	-	-	51.79	-26.7
5	.32775	24.5	Qp	0	0	10.1	34.6	59.51	-24.91	-	-
6	.33	10.74	Ca	0	0	10.1	20.84	-	-	49.45	-28.61
7	.40875	19.91	Qp	0	0	10.1	30.01	57.67	-27.66	-	-
8	.41325	8.95	Ca	0	0	10.1	19.05	-	-	47.58	-28.53
9	.65625	24.19	Qp	0	0	10.1	34.29	56	-21.71	-	-
10	.65625	8.36	Ca	0	0	10.1	18.46	-	-	46	-27.54
11	.81825	25.28	Qp	0	0	10.1	35.38	56	-20.62	-	-
12	.81825	13.48	Ca	0	0	10.1	23.58	-	-	46	-22.42

Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 2 RESULTS



DATA

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	32.99	Qp	0	0	10.1	43.09	65.28	-22.19	-	-
14	.1635	19.33	Ca	0	0	10.1	29.43	-	-	55.28	-25.85
15	.2445	31.02	Qp	0	0	10.1	41.12	61.94	-20.82	-	-
16	.2445	18.8	Ca	0	0	10.1	28.9	-	-	51.94	-23.04
17	.32325	33.44	Qp	0	0	10.1	43.54	59.62	-16.08	-	-
18	.3255	20.35	Ca	0	0	10.1	30.45	-	-	49.57	-19.12
19	.40425	31.75	Qp	0	0	10.1	41.85	57.77	-15.92	-	-
20	.4065	17.78	Ca	0	0	10.1	27.88	-	-	47.72	-19.84
21	.6585	27.46	Qp	0	0	10.1	37.56	56	-18.44	-	-
22	.65625	15.26	Ca	0	0	10.1	25.36	-	-	46	-20.64
23	.82275	28.18	Qp	0	0	10.1	38.28	56	-17.72	-	-
24	.82275	15.65	Ca	0	0	10.1	25.75	-	-	46	-20.25

Qp - Quasi-Peak detector

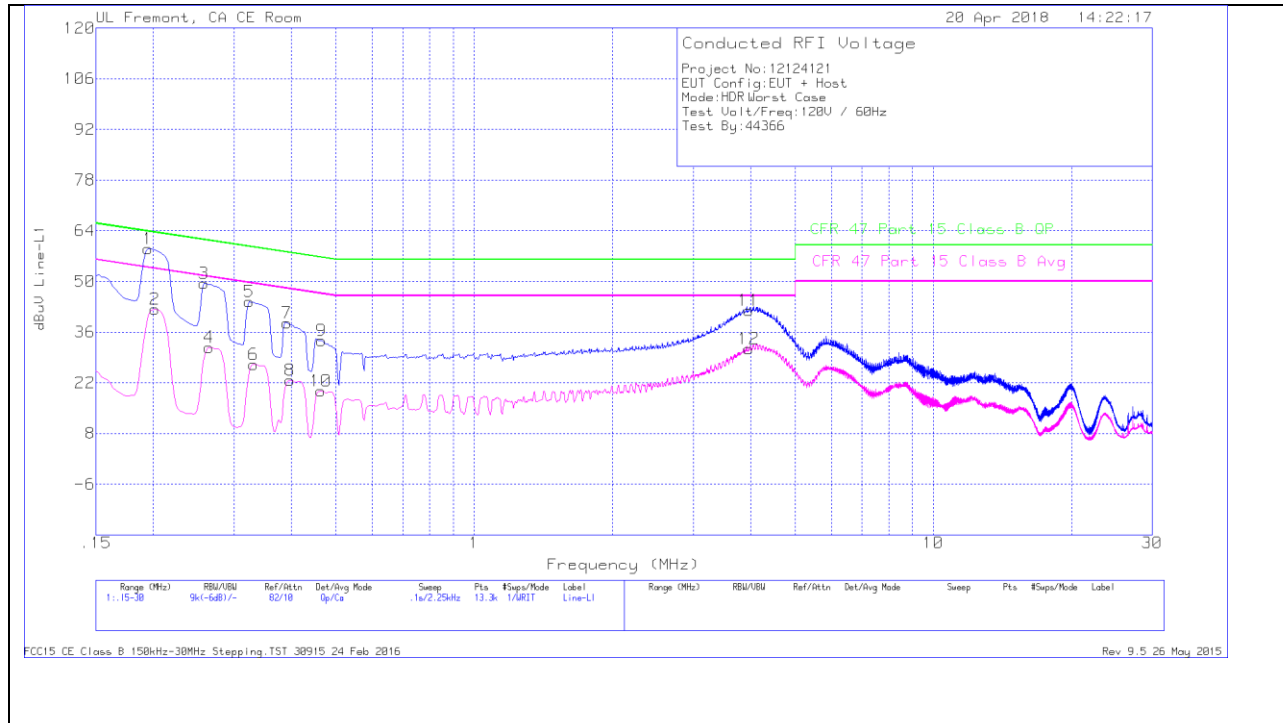
Ca - CISPR average detection

FCC15 CE Class B 150kHz-30MHz Stepping.TST 30915 24 Feb 2016

Rev 9.5 26 May 2015

10.1.2. AC Power Line With Host

LINE 1 RESULTS

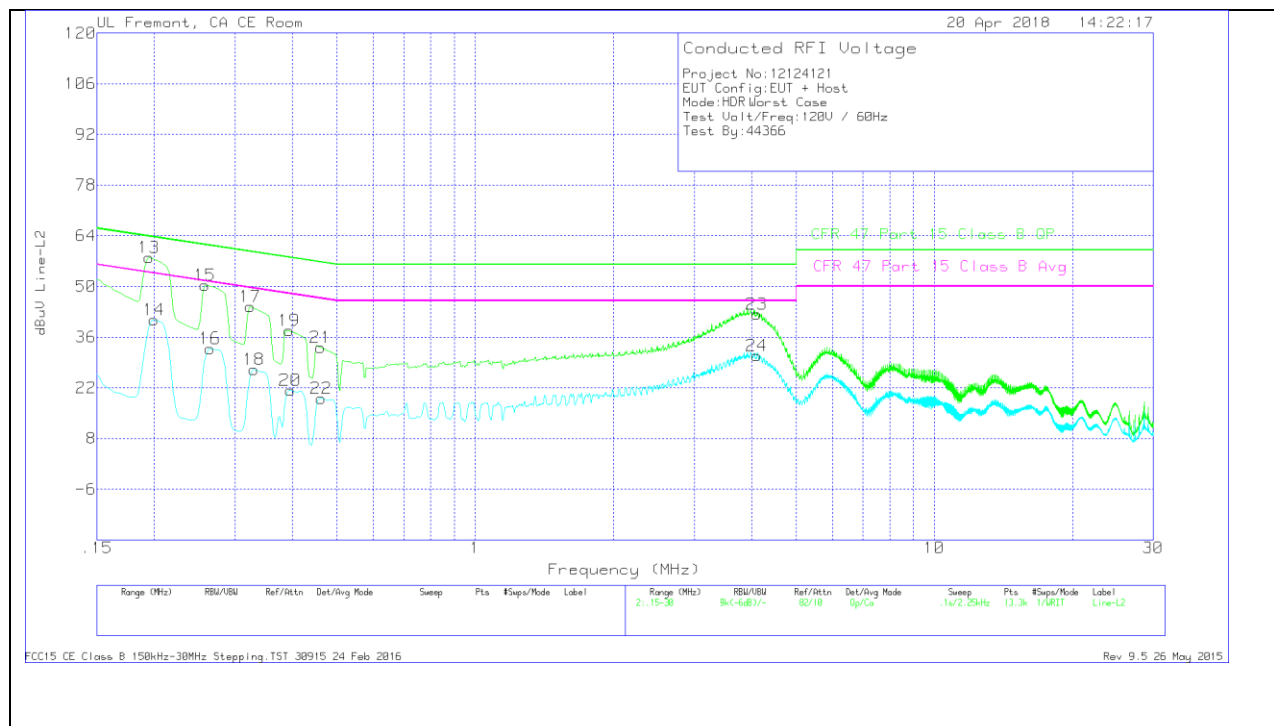


DATA

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	48.96	Qp	0	0	10.1	59.06	63.82	-4.76	-	-
2	.20175	32.21	Ca	0	0	10.1	42.31	-	-	53.54	-11.23
3	.258	39.36	Qp	0	0	10.1	49.46	61.5	-12.04	-	-
4	.26475	21.73	Ca	0	0	10.1	31.83	-	-	51.28	-19.45
5	.32325	34.35	Qp	0	0	10.1	44.45	59.62	-15.17	-	-
6	.33112	17	Ca	0	0	10.1	27.1	-	-	49.42	-22.32
7	.39075	28.35	Qp	0	0	10.1	38.45	58.05	-19.6	-	-
8	.3975	12.54	Ca	0	0	10.1	22.64	-	-	47.91	-25.27
9	.465	23.48	Qp	0	0	10.1	33.58	56.6	-23.02	-	-
10	.46387	9.61	Ca	0	0	10.1	19.71	-	-	46.62	-26.91
11	3.96263	31.86	Qp	0	.1	10.1	42.06	56	-13.94	-	-
12	3.96375	21.22	Ca	0	.1	10.1	31.42	-	-	46	-14.58

Qp - Quasi-Peak detector
Ca - CISPR average detection

LINE 2 RESULTS



DATA

Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L2	LC Cables C2&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
13	.195	47.82	Qp	0	0	10.1	57.92	63.82	-5.9	-	-
14	.1995	30.64	Ca	0	0	10.1	40.74	-	-	53.63	-12.89
15	.258	40.17	Qp	0	0	10.1	50.27	61.5	-11.23	-	-
16	.26475	22.77	Ca	0	0	10.1	32.87	-	-	51.28	-18.41
17	.32325	34.31	Qp	0	0	10.1	44.41	59.62	-15.21	-	-
18	.33	16.96	Ca	0	0	10.1	27.06	-	-	49.45	-22.39
19	.393	27.66	Qp	0	0	10.1	37.76	58	-20.24	-	-
20	.39525	11.22	Ca	0	0	10.1	21.32	-	-	47.95	-26.63
21	.4605	23.06	Qp	0	0	10.1	33.16	56.68	-23.52	-	-
22	.46162	9.01	Ca	0	0	10.1	19.11	-	-	46.66	-27.55
23	4.10325	32.17	Qp	0	.1	10.1	42.37	56	-13.63	-	-
24	4.10325	20.69	Ca	0	.1	10.1	30.89	-	-	46	-15.11

Qp - Quasi-Peak detector
Ca - CISPR average detection

FCC15 CE Class B 150kHz-30MHz Stepping.TST 30915 24 Feb 2016

Rev 9.5 26 May 2015

END OF REPORT

11. SETUP PHOTOS

Please refer to 12124121-EP1V1 for setup photos