

9. RADIATED TEST RESULTS

9.1. LIMITS AND PROCEDURE

LIMITS

FCC §15.205 and §15.209

RSS-GEN, Section 8.9 and 8.10.

Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
0.009-0.490	2400/F(kHz) @ 300 m	-
0.490-1.705	24000/F(kHz) @ 30 m	-
1.705 - 30	30 @ 30m	-
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane for measurement below 1GHz; 1.5 m above the ground plane for measurement above 1GHz. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For pre-scans above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 30 KHz for peak measurements.

For final measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and as applicable for average measurements.

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

The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions.

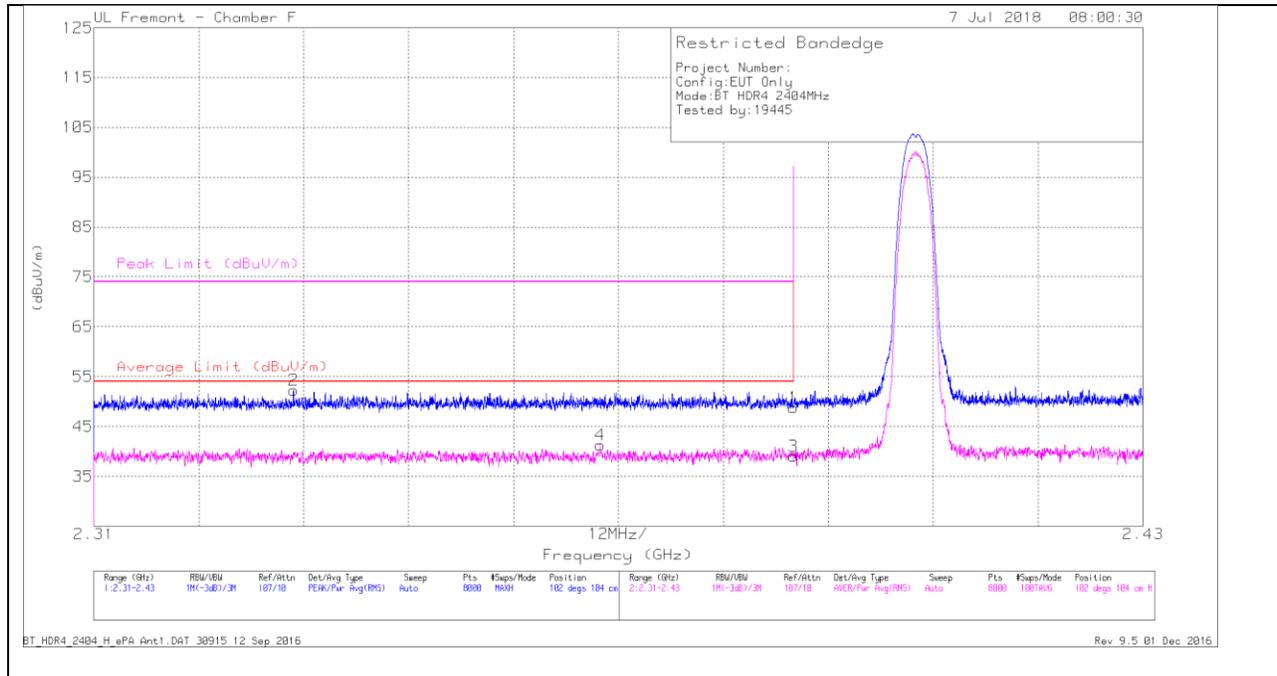
9.2. TRANSMITTER ABOVE 1 GHz

9.2.1. HIGH POWER HDR4

Antenna 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



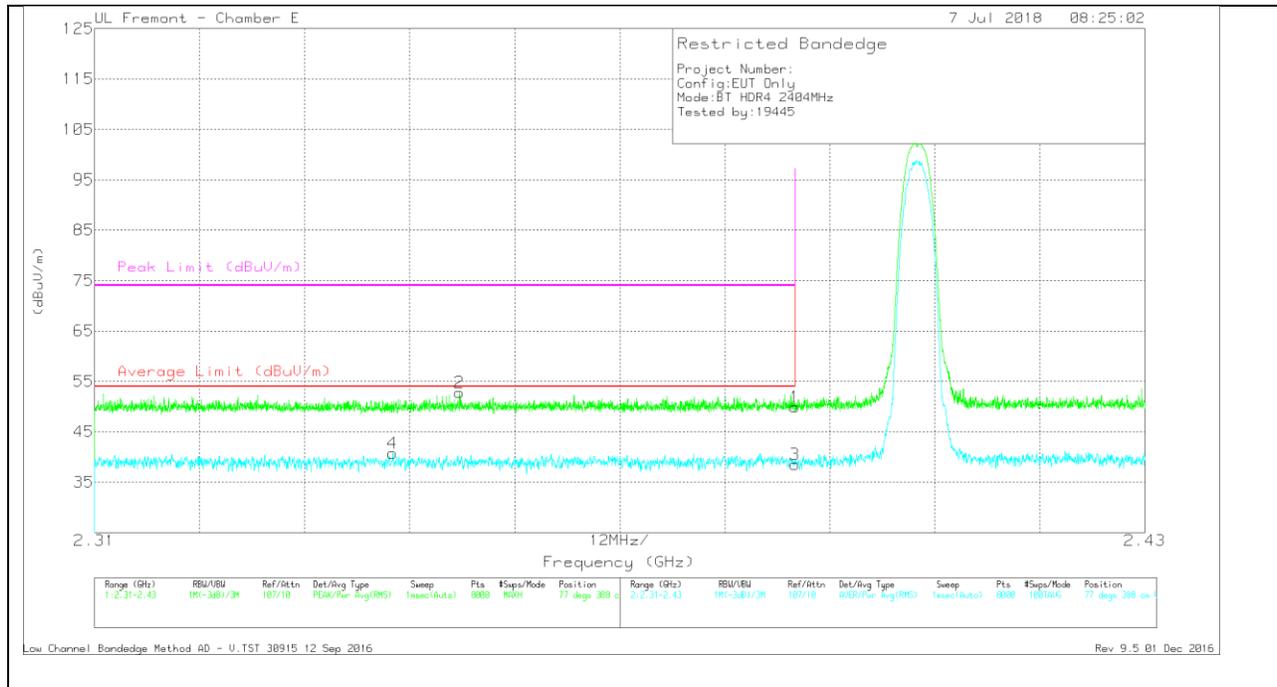
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	39.37	Pk	32	-22.6	48.77	-	-	74	-25.23	102	104	H
2	* 2.333	43.15	Pk	31.8	-22.7	52.25	-	-	74	-21.75	102	104	H
3	* 2.39	29.61	RMS	32	-22.6	39.01	54	-14.99	-	-	102	104	H
4	* 2.368	32.03	RMS	31.9	-22.7	41.23	54	-12.77	-	-	102	104	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

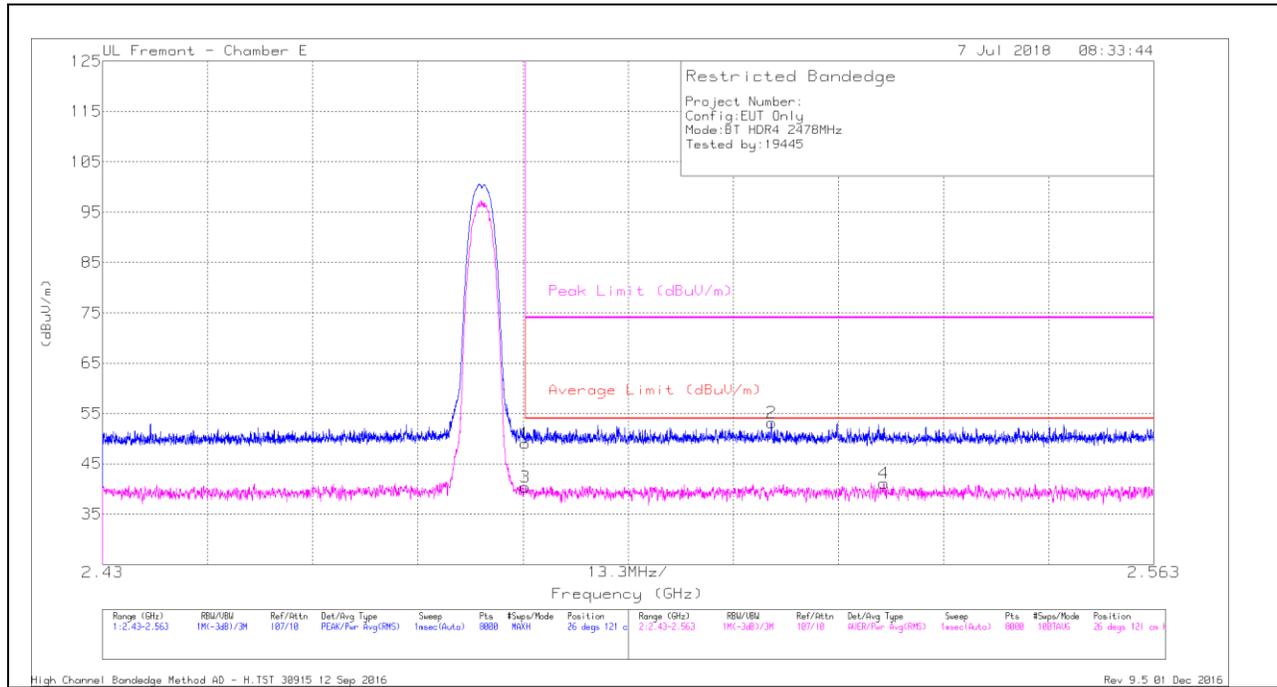


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cb/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	40.55	Pk	32	-22.6	49.95	-	-	74	-24.05	77	388	V
2	* 2.352	43.68	Pk	31.8	-22.7	52.78	-	-	74	-21.22	77	388	V
3	* 2.39	29.15	RMS	32	-22.6	38.55	54	-15.45	-	-	77	388	V
4	* 2.344	31.66	RMS	31.8	-22.7	40.76	54	-13.24	-	-	77	388	V

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 Pk - Peak detector
 RMS - RMS detection

BANEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



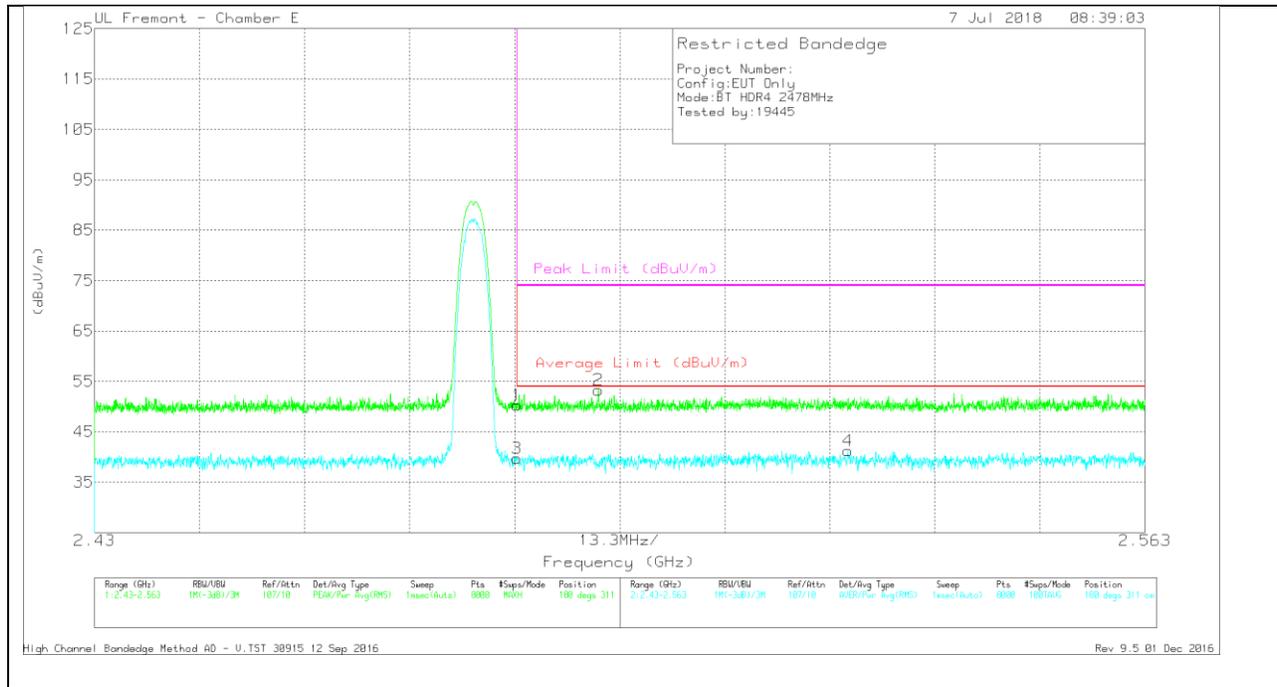
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	39.28	Pk	32.1	-22.3	49.05	-	-	74	-24.92	26	121	H
3	* 2.484	30.57	RMS	32.1	-22.3	40.37	54	-13.63	-	-	26	121	H
2	2.515	43.26	Pk	32.1	-22.2	53.16	-	-	74	-20.84	26	121	H
4	2.529	31.31	RMS	32.1	-22.3	41.11	54	-12.89	-	-	26	121	H

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Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

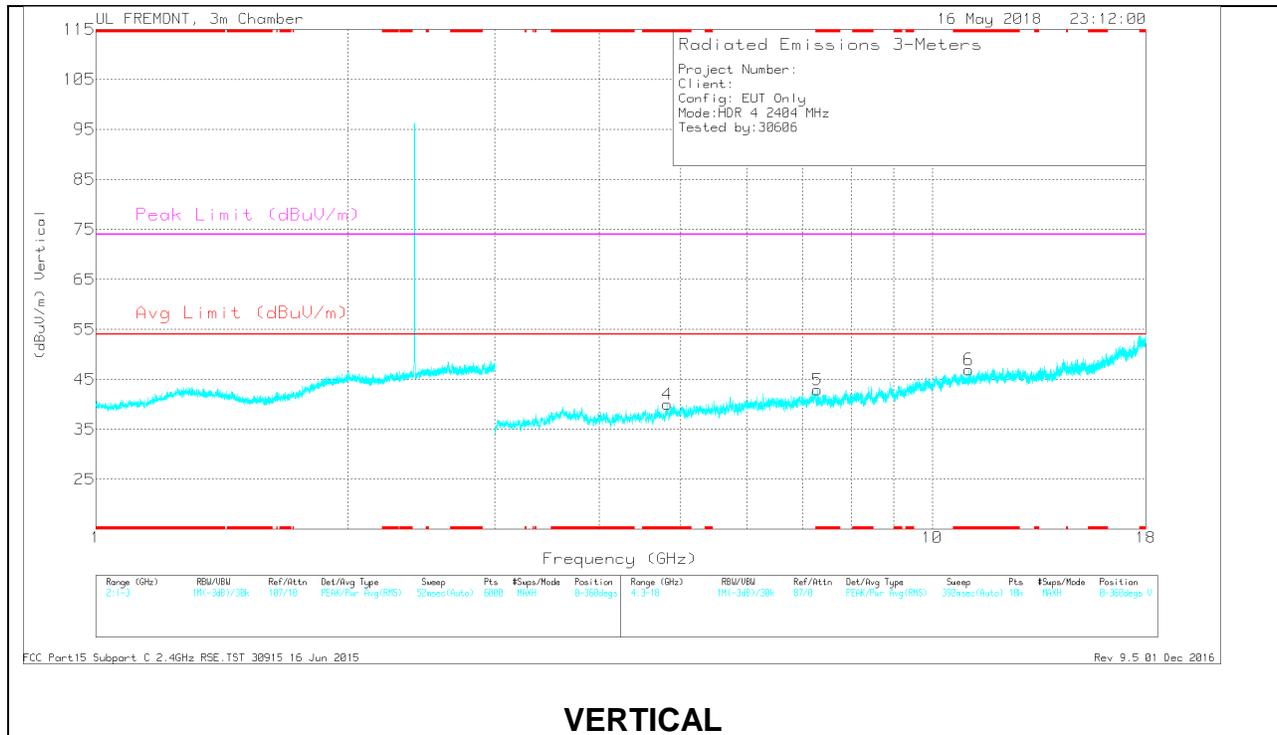
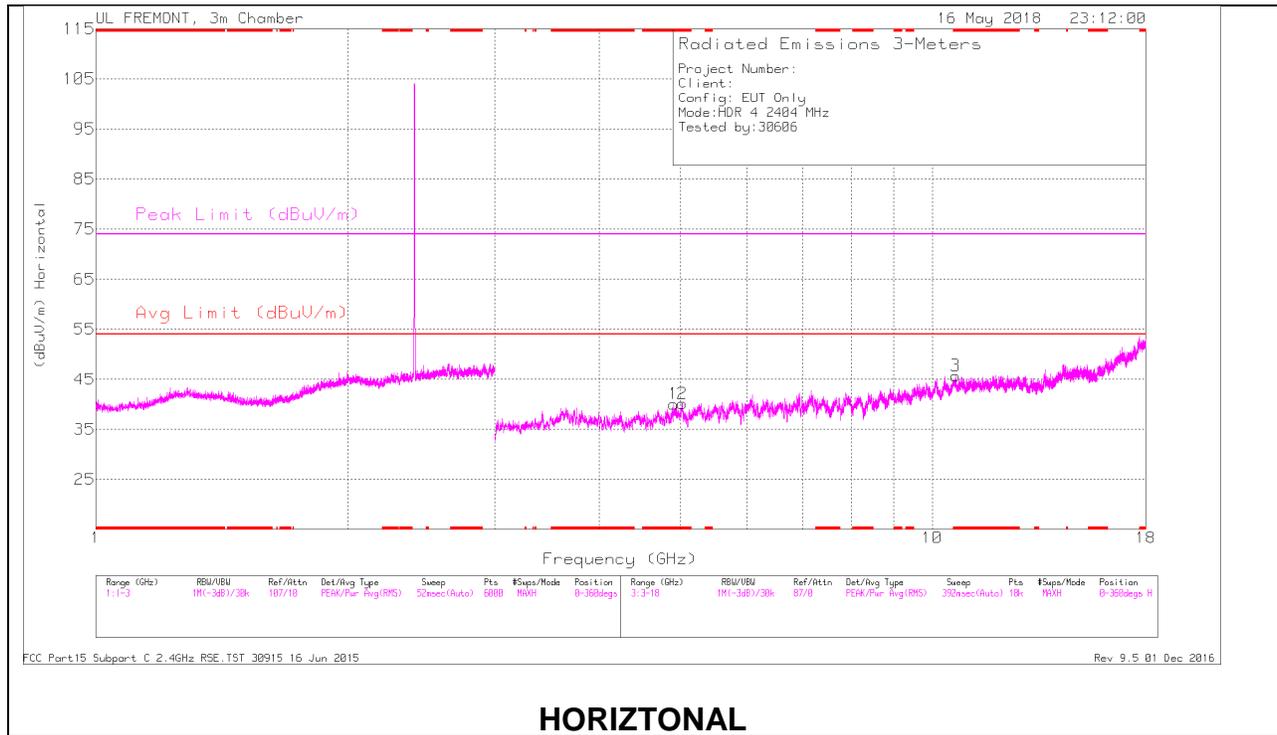


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cb/Fltr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.45	Pk	32.1	-22.3	50.25	-	-	74	-23.75	180	311	V
2	* 2.494	43.64	Pk	32.1	-22.5	53.24	-	-	74	-20.76	180	311	V
3	* 2.484	29.9	RMS	32.1	-22.3	39.7	54	-14.3	-	-	180	311	V
4	2.525	31.42	RMS	32.1	-22.3	41.22	54	-12.78	-	-	180	311	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

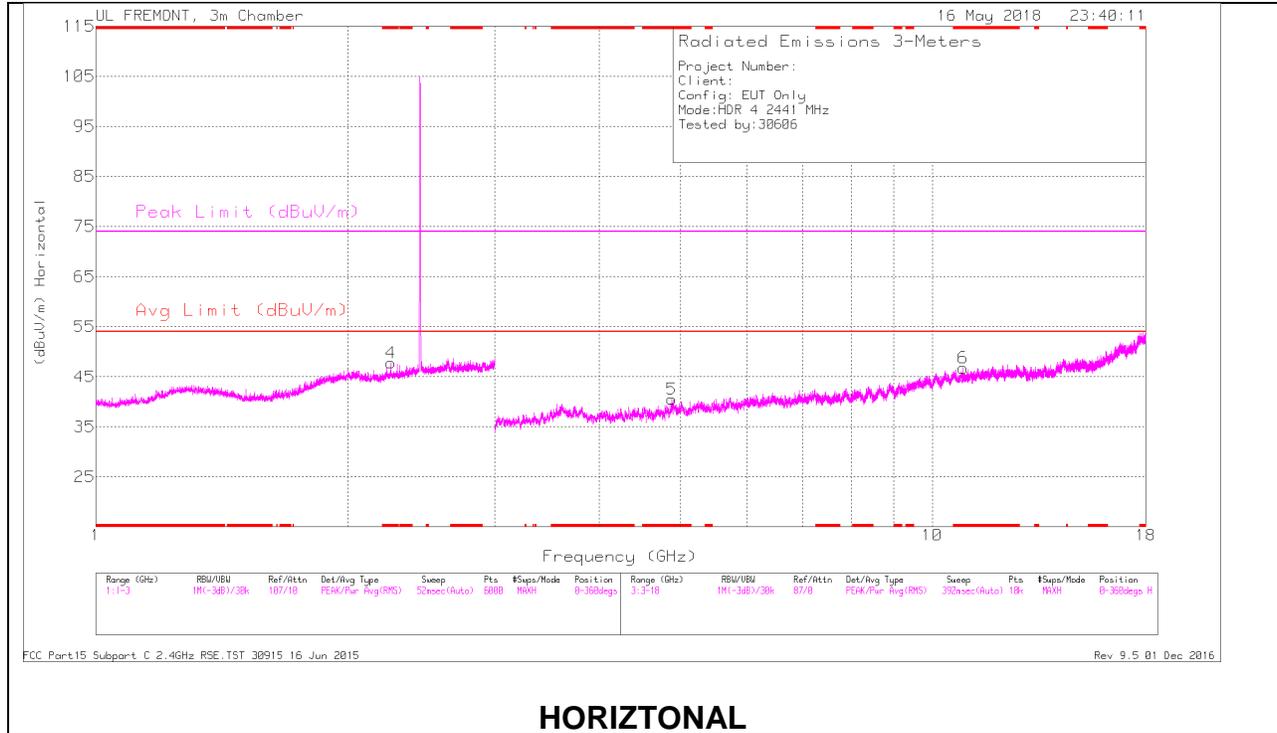
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cb/Fitr/P ad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.906	39.82	PK2	34	-26.5	47.32	-	-	74	-26.68	139	115	H
	* 4.908	27.62	MAv1	34	-27	34.62	54	-19.38	-	-	139	115	H
2	* 5.022	32.53	PK2	34.2	-24.4	42.33	-	-	74	-31.67	153	149	H
	* 5.021	21.15	MAv1	34.2	-24.3	31.05	54	-22.95	-	-	153	149	H
3	* 10.658	34.27	PK2	37.8	-20.4	51.67	-	-	74	-22.33	207	151	H
	* 10.658	22.65	MAv1	37.8	-20.4	40.05	54	-13.95	-	-	207	151	H
4	* 4.821	39.68	PK2	34.1	-26.5	47.28	-	-	74	-26.72	150	114	V
	* 4.823	28.11	MAv1	34.1	-26.5	35.71	54	-18.29	-	-	150	114	V
5	* 7.288	37.52	PK2	35.7	-24.3	48.92	-	-	74	-25.08	157	133	V
	* 7.288	26.61	MAv1	35.7	-24.3	38.01	54	-15.99	-	-	157	133	V
6	* 11.054	35.43	PK2	38.1	-20.5	53.03	-	-	74	-20.97	195	166	V
	* 11.052	24.63	MAv1	38.1	-20.4	42.33	54	-11.67	-	-	195	166	V

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

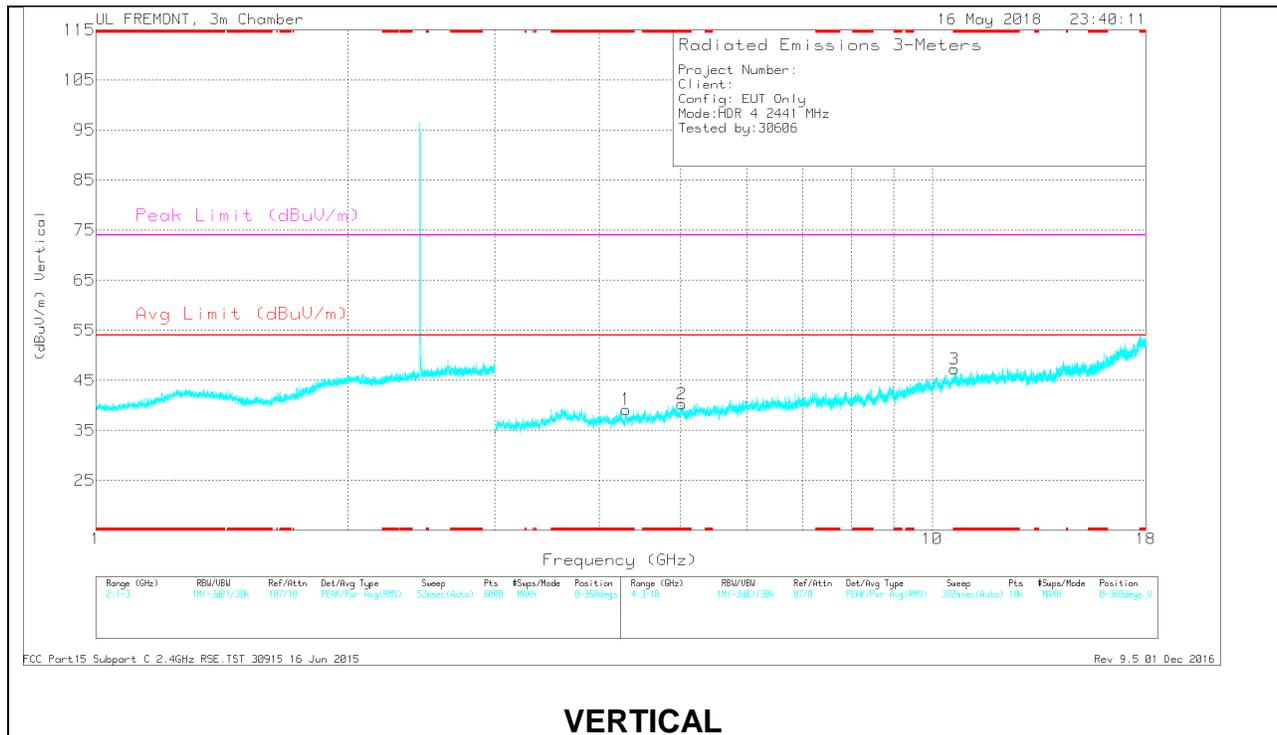
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

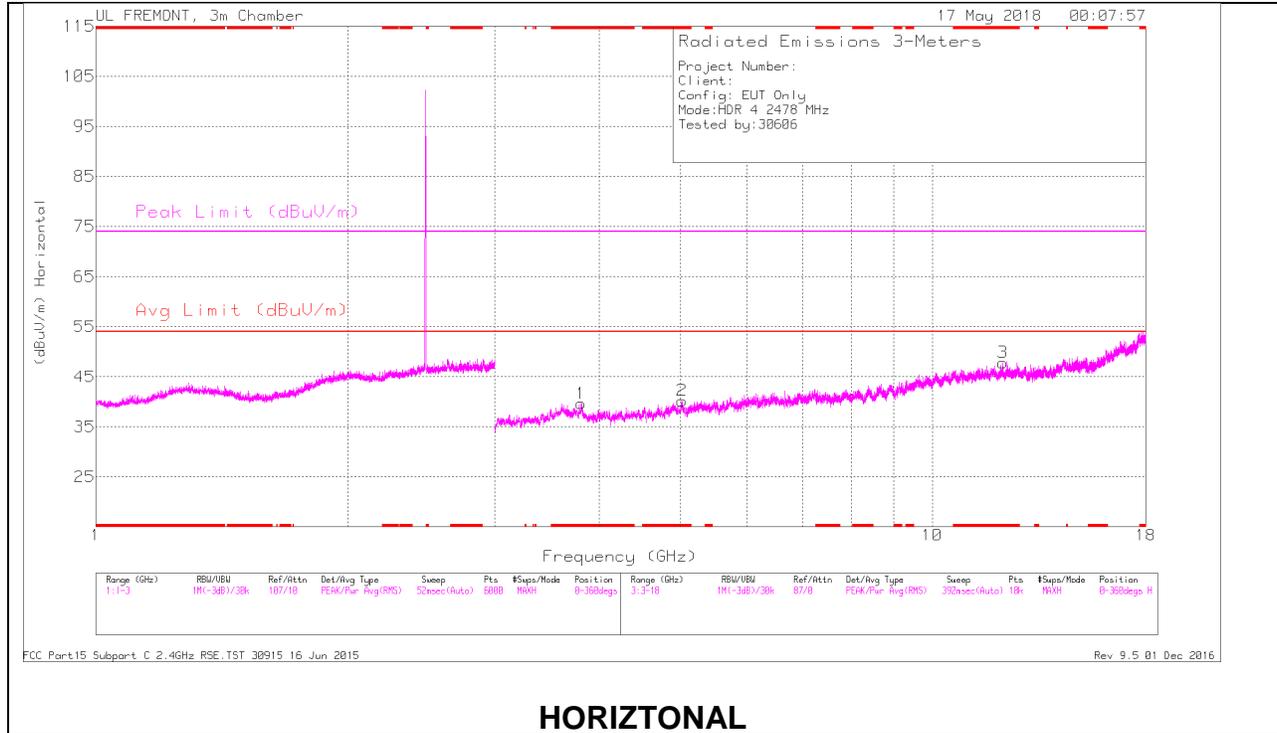
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cb/Fitr/P ad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.308	40.19	PK2	33.5	-27.6	46.09	-	-	74	-27.91	280	192	V
	* 4.309	28.2	MAv1	33.5	-27.6	34.1	54	-19.9	-	-	280	192	V
2	* 5.022	37.71	PK2	34.2	-24.3	47.61	-	-	74	-26.39	360	173	V
	* 5.02	25.96	MAv1	34.2	-24.2	35.96	54	-18.04	-	-	360	173	V
3	* 10.627	36.33	PK2	37.8	-20.9	53.23	-	-	74	-20.77	229	153	V
	* 10.63	24.77	MAv1	37.8	-21	41.57	54	-12.43	-	-	229	153	V
4	* 2.256	42.03	PK2	31.9	-20.7	53.23	-	-	74	-20.77	168	130	H
	* 2.257	30.7	MAv1	31.9	-20.8	41.8	54	-12.2	-	-	168	130	H
5	* 4.884	38.95	PK2	34	-26.4	46.55	-	-	74	-27.45	211	117	H
	* 4.885	27.94	MAv1	34	-26.5	35.44	54	-18.56	-	-	211	117	H
6	* 10.891	35.26	PK2	37.9	-20.6	52.56	-	-	74	-21.44	243	160	H
	* 10.888	24.49	MAv1	37.9	-20.6	41.79	54	-12.21	-	-	243	160	H

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

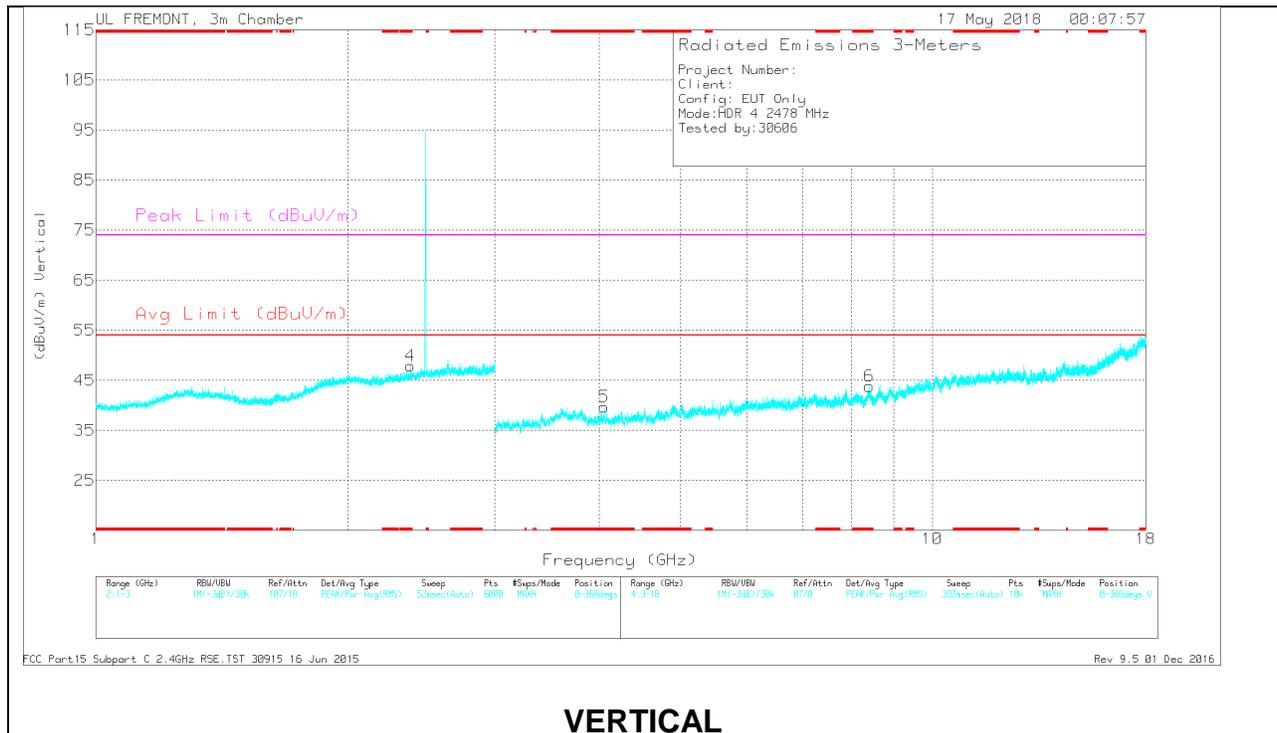
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cb/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	* 3.802	40.91	PK2	33.7	-27.6	47.01	-	-	74	-26.99	98	219	H
	* 3.801	29.08	MAv1	33.7	-27.6	35.18	54	-18.82	-	-	98	219	H
2	* 5.024	38.56	PK2	34.2	-24.7	48.06	-	-	74	-25.94	142	174	H
	* 5.023	26.5	MAv1	34.2	-24.7	36	54	-18	-	-	142	174	H
3	* 12.145	36.2	PK2	39.1	-20.9	54.4	-	-	74	-19.6	191	158	H
	* 12.144	25.14	MAv1	39.1	-20.9	43.34	54	-10.66	-	-	191	158	H
4	* 2.378	42.38	PK2	31.8	-20.6	53.58	-	-	74	-20.42	189	132	V
	* 2.377	30.4	MAv1	31.8	-20.6	41.6	54	-12.4	-	-	189	132	V
5	* 4.054	40.48	PK2	33.5	-28.4	45.58	-	-	74	-28.42	147	216	V
	* 4.054	29.41	MAv1	33.5	-28.5	34.41	54	-19.59	-	-	147	216	V
6	* 8.406	35.76	PK2	35.7	-22.1	49.36	-	-	74	-24.64	146	206	V
	* 8.406	24.98	MAv1	35.7	-22	38.68	54	-15.32	-	-	146	206	V

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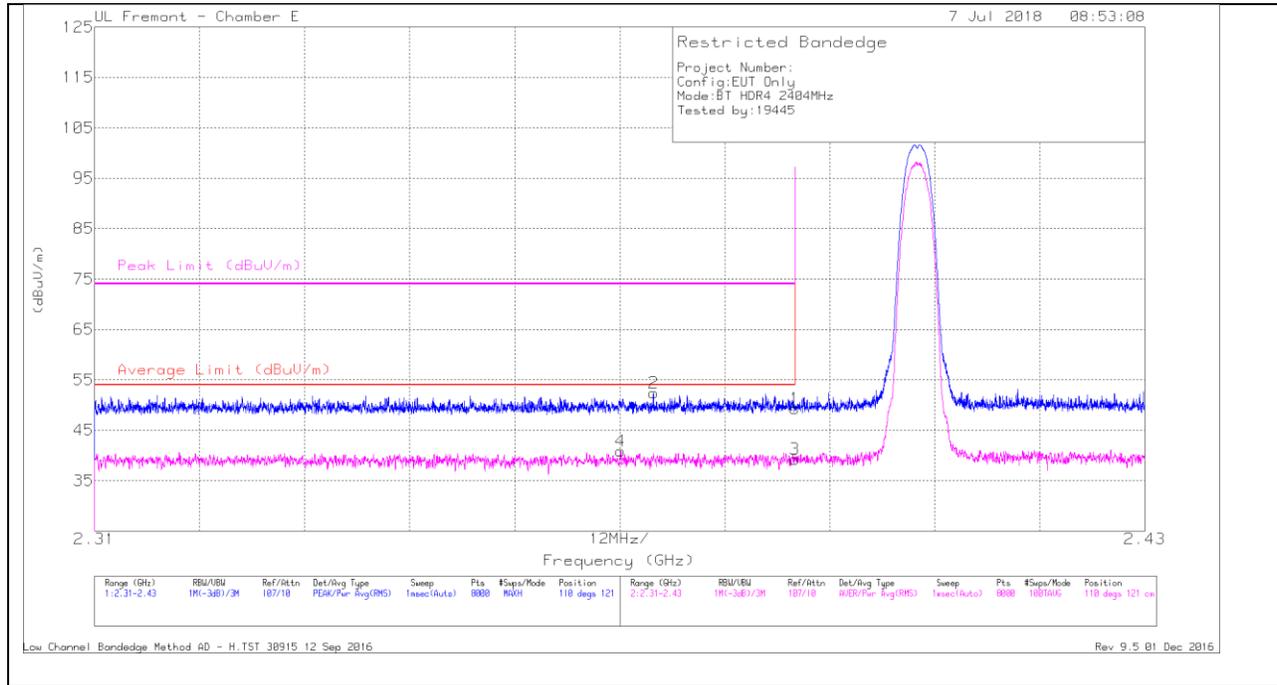
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

Antenna 3

BANDEDGE (LOW CHANNEL)

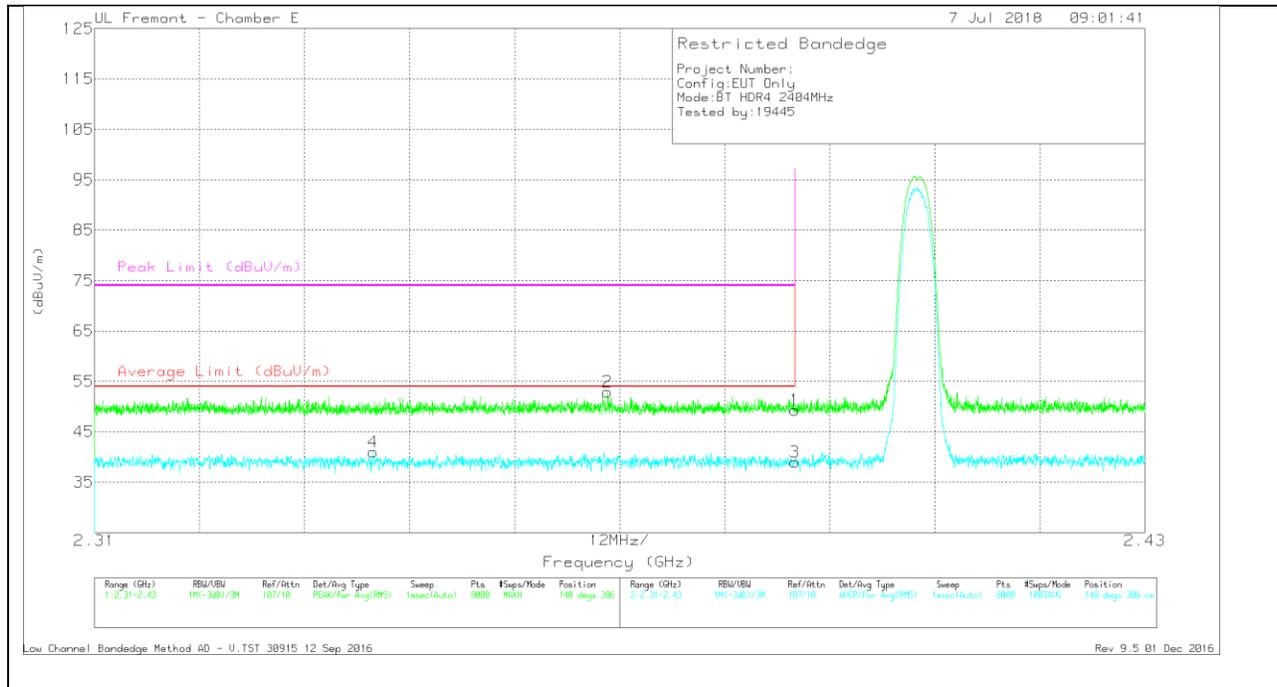
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	39.88	Pk	32	-22.6	49.28	-	-	74	-24.72	110	121	H
2	* 2.374	43.15	Pk	31.9	-22.7	52.35	-	-	74	-21.65	110	121	H
3	* 2.39	29.82	RMS	32	-22.6	39.22	54	-14.78	-	-	110	121	H
4	* 2.37	31.65	RMS	31.9	-22.7	40.85	54	-13.15	-	-	110	121	H

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 Pk - Peak detector
 RMS - RMS detection

VERTICAL RESULT

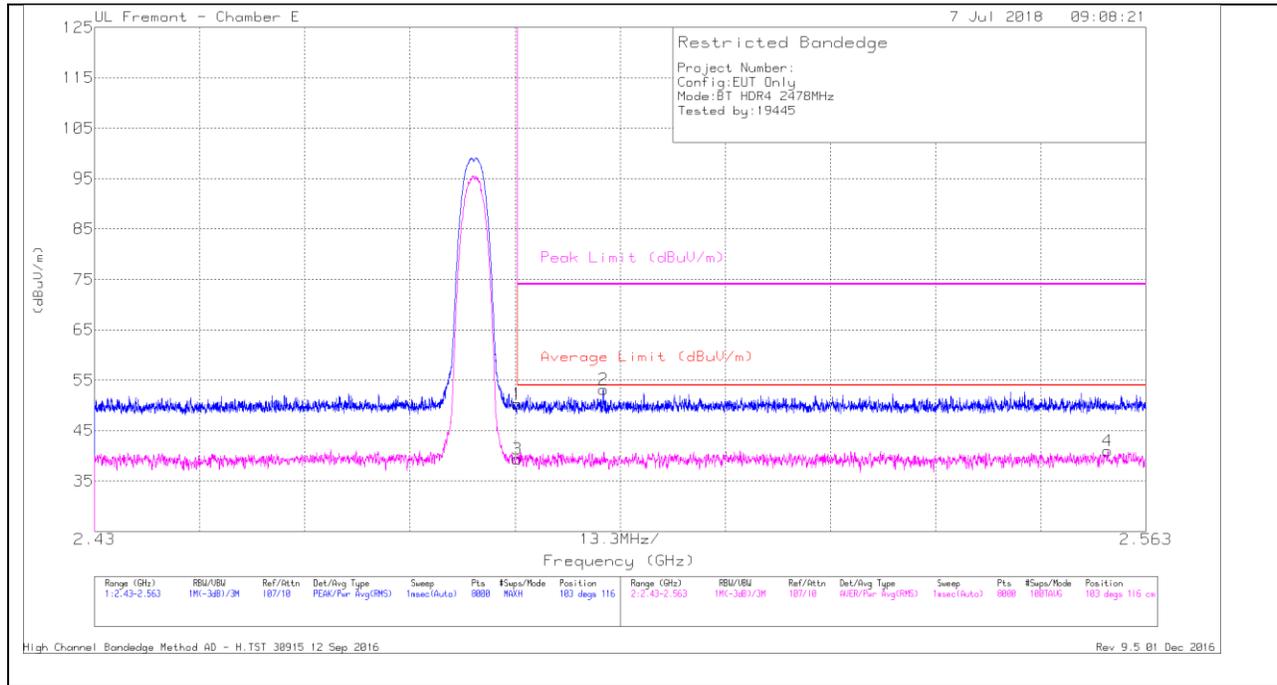


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cb/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	39.89	Pk	32	-22.6	49.29	-	-	74	-24.71	148	386	V
2	* 2.369	43.72	Pk	31.9	-22.7	52.92	-	-	74	-21.08	148	386	V
3	* 2.39	29.57	RMS	32	-22.6	38.97	54	-15.03	-	-	148	386	V
4	* 2.342	31.9	RMS	31.8	-22.7	41	54	-13	-	-	148	386	V

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 Pk - Peak detector
 RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

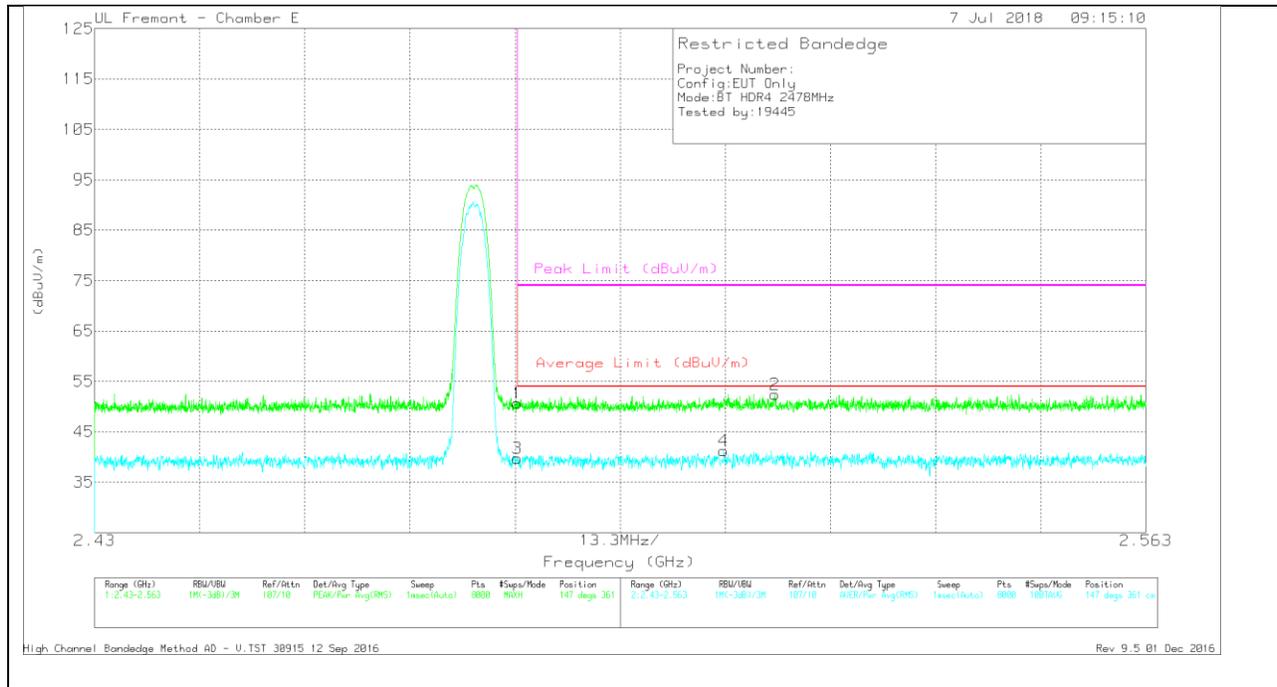
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.46	Pk	32.1	-22.3	50.26	-	-	74	-23.74	103	116	H
2	* 2.494	43.51	Pk	32.1	-22.5	53.11	-	-	74	-20.89	103	116	H
3	* 2.484	29.57	RMS	32.1	-22.3	39.37	54	-14.63	-	-	103	116	H
4	2.558	31.19	RMS	32.1	-22.3	40.99	54	-13.01	-	-	103	116	H

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 Pk - Peak detector
 RMS - RMS detection

VERTICAL RESULT

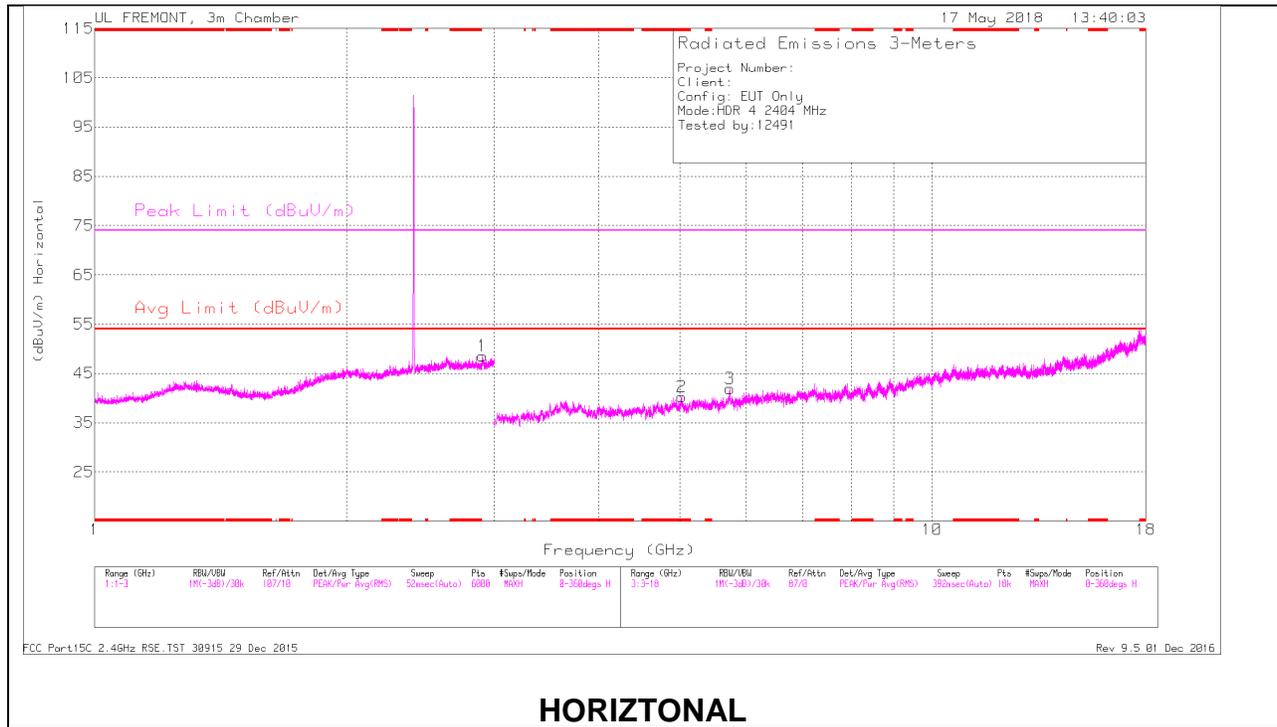


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cb/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.91	Pk	32.1	-22.3	50.71	-	-	74	-23.29	147	361	V
3	* 2.484	29.96	RMS	32.1	-22.3	39.76	54	-14.24	-	-	147	361	V
4	2.51	31.44	RMS	32.1	-22.3	41.24	54	-12.76	-	-	147	361	V
2	2.516	42.51	Pk	32.1	-22.2	52.41	-	-	74	-21.59	147	361	V

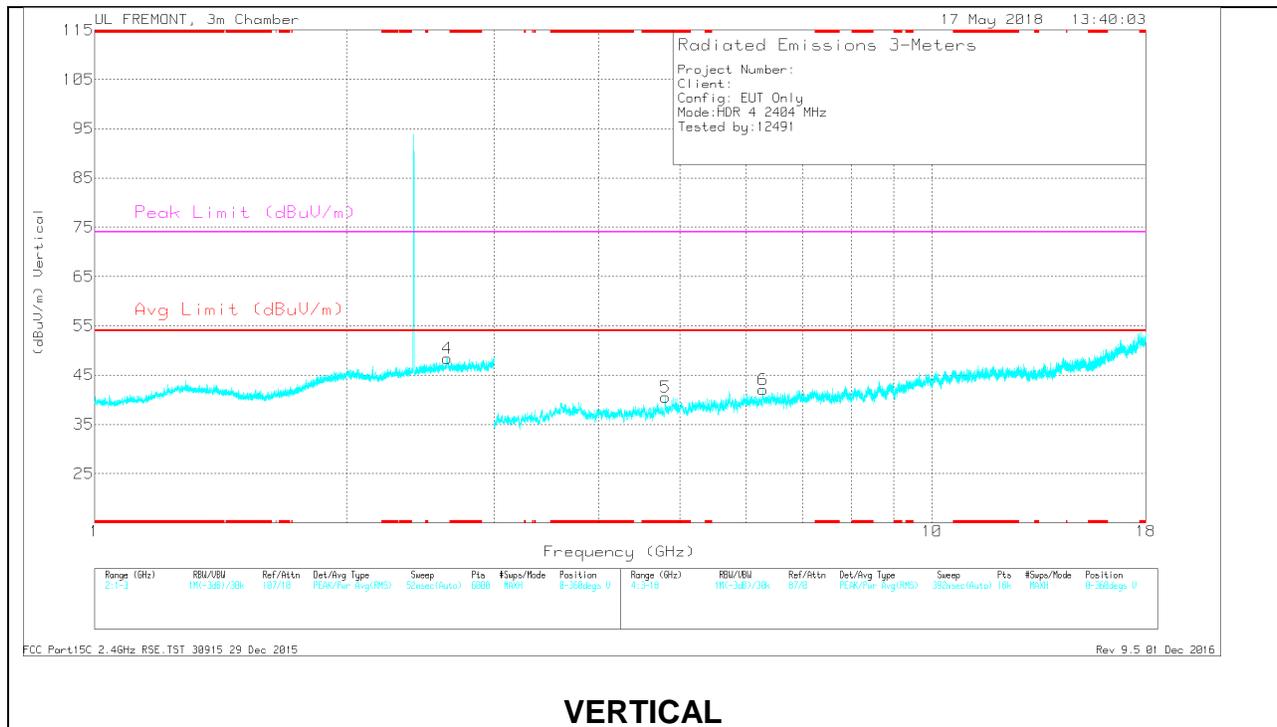
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 RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

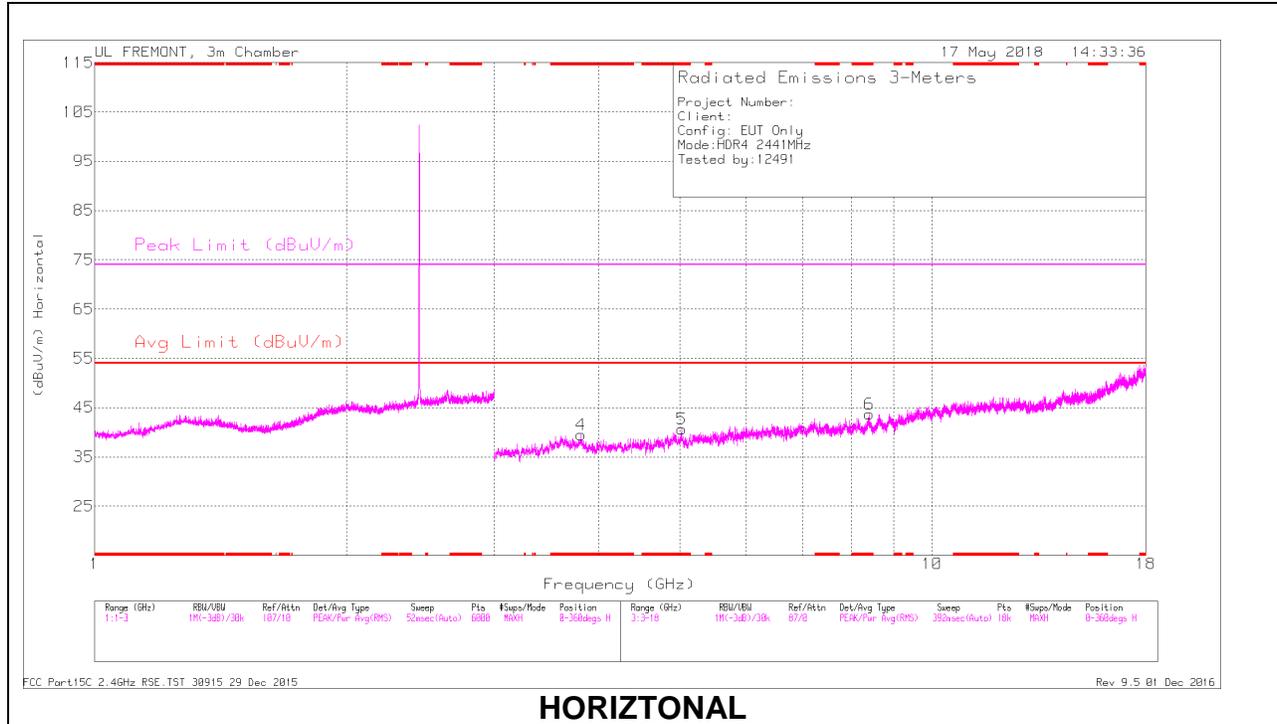
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fitr/Padded (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.031	37.23	PK2	34.2	-26.6	44.83	-	-	74	-29.17	274	172	H
	* 5.003	25.81	MAv1	34.2	-27.8	32.21	54	-21.79	-	-	274	172	H
5	* 4.802	37.11	PK2	34.1	-27.1	44.11	-	-	74	-29.89	6	207	V
	* 4.782	26.19	MAv1	34.1	-27	33.29	54	-20.71	-	-	6	207	V
4	2.637	41.63	PK2	32.6	-18.6	55.63	-	-	-	-	197	261	V
1	2.904	42.15	PK2	32.8	-20	54.95	-	-	-	-	241	400	H
3	5.723	37.28	PK2	34.9	-26.4	45.78	-	-	-	-	152	125	H
6	6.265	36.41	PK2	35.5	-26	45.91	-	-	-	-	105	274	V

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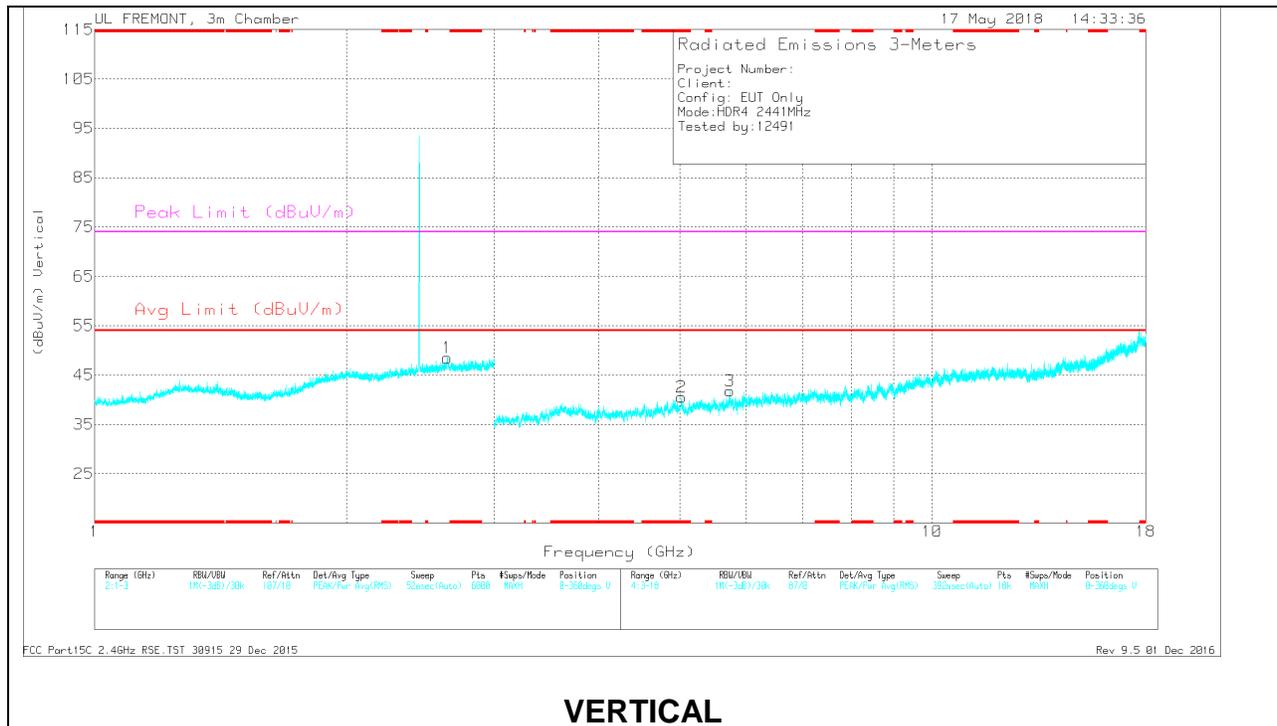
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

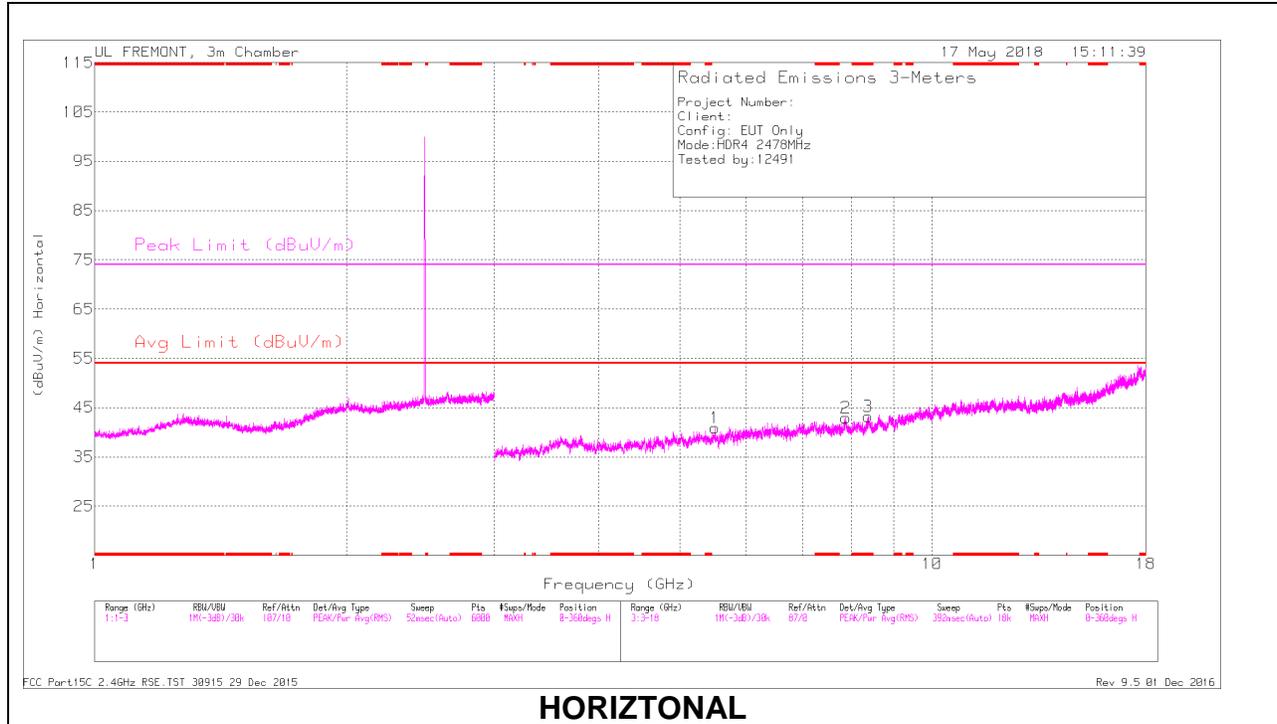
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 3.821	38.27	PK2	33.6	-28.2	43.67	-	-	74	-30.33	204	155	H
	* 3.824	27.22	MAv1	33.6	-28.4	32.42	54	-21.58	-	-	204	155	H
5	* 5.024	37.22	PK2	34.2	-24.8	46.62	-	-	74	-27.38	242	104	H
	* 5.003	25.84	MAv1	34.2	-27.7	32.34	54	-21.66	-	-	242	104	H
6	* 8.412	34.22	PK2	35.7	-22.5	47.42	-	-	74	-26.58	183	156	H
	* 8.394	22.87	MAv1	35.7	-22.3	36.27	54	-17.73	-	-	183	156	H
2	* 5.011	37.2	PK2	34.2	-25.4	46	-	-	74	-28	224	254	V
	* 5.001	25.82	MAv1	34.2	-27.8	32.22	54	-21.78	-	-	224	254	V
1	2.637	41.73	PK2	32.6	-18.6	55.73	-	-	-	-	105	255	V
3	5.751	36.9	PK2	34.9	-26.2	45.6	-	-	-	-	332	374	V

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

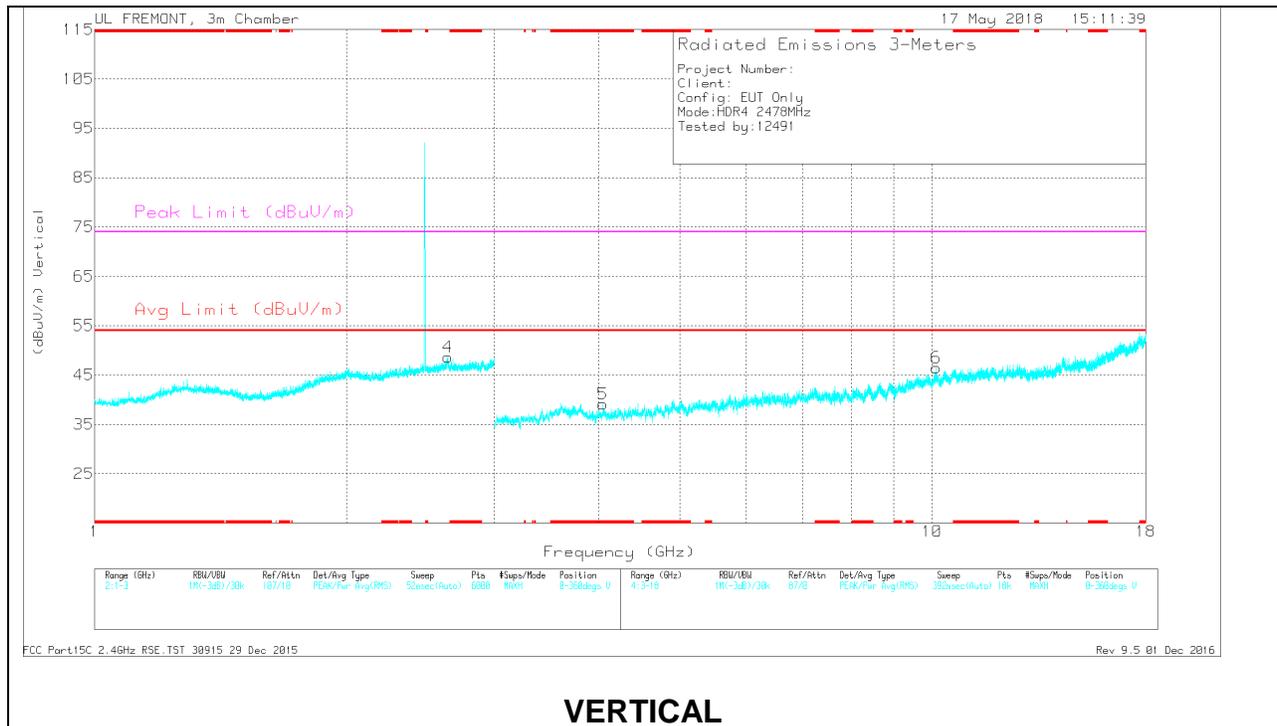
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Filtr/Padded (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* 8.362	34.38	PK2	35.8	-23.5	46.68	-	-	74	-27.32	218	171	H
	* 8.396	23.53	MAv1	35.7	-22	37.23	54	-16.77	-	-	218	171	H
5	* 4.049	37.47	PK2	33.5	-27.9	43.07	-	-	74	-30.93	162	233	V
	* 4.047	26.63	MAv1	33.5	-28.3	31.83	54	-22.17	-	-	162	233	V
4	2.641	41.92	PK2	32.6	-19.4	55.12	-	-	-	-	177	160	V
1	5.51	37.61	PK2	34.7	-26.5	45.81	-	-	-	-	247	283	H
2	7.879	36.11	PK2	35.8	-22.1	49.81	-	-	-	-	312	341	H
6	10.138	33.16	PK2	37.4	-21	49.56	-	-	-	-	24	167	V

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

PK2 - KDB558074 Method: Maximum Peak

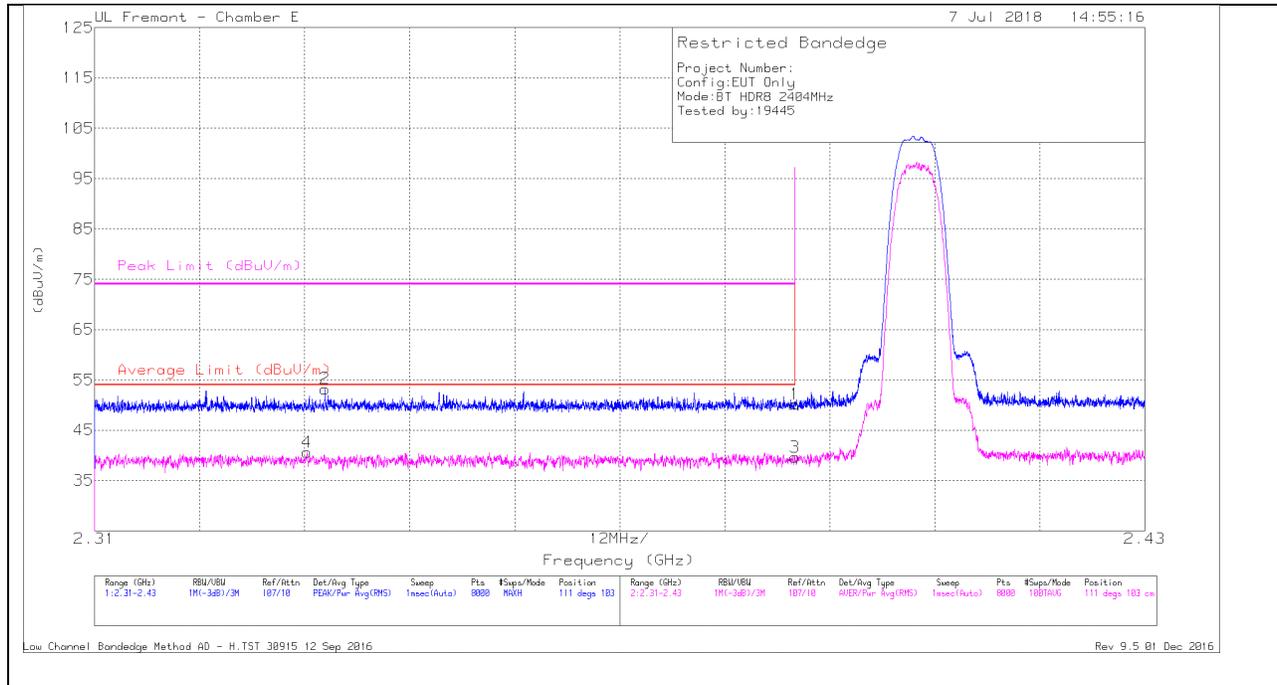
MAv1 - KDB558074 Option 1 Maximum RMS Average

9.2.2. HIGH POWER HDR8

Antenna 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



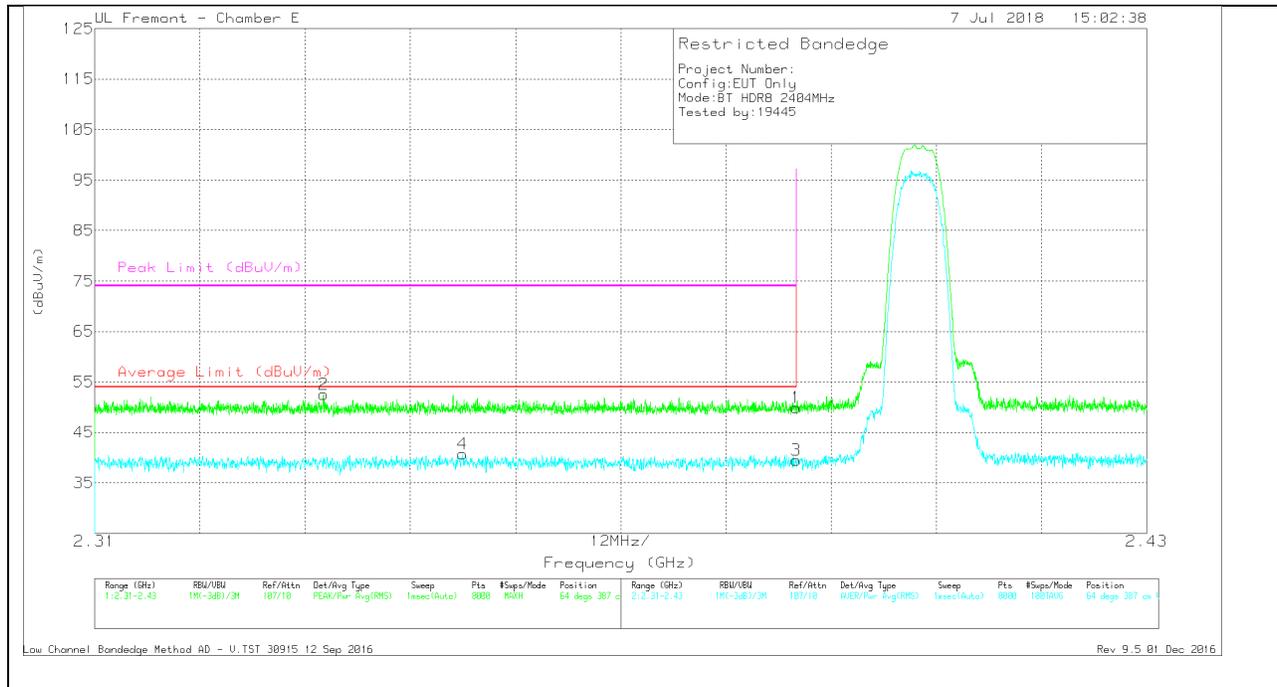
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	40.75	Pk	32	-22.6	50.15	-	-	74	-23.85	111	103	H
2	* 2.336	44.11	Pk	31.8	-22.7	53.21	-	-	74	-20.79	111	103	H
3	* 2.39	30.21	RMS	32	-22.6	39.61	54	-14.39	-	-	111	103	H
4	* 2.334	31.51	RMS	31.8	-22.7	40.61	54	-13.39	-	-	111	103	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

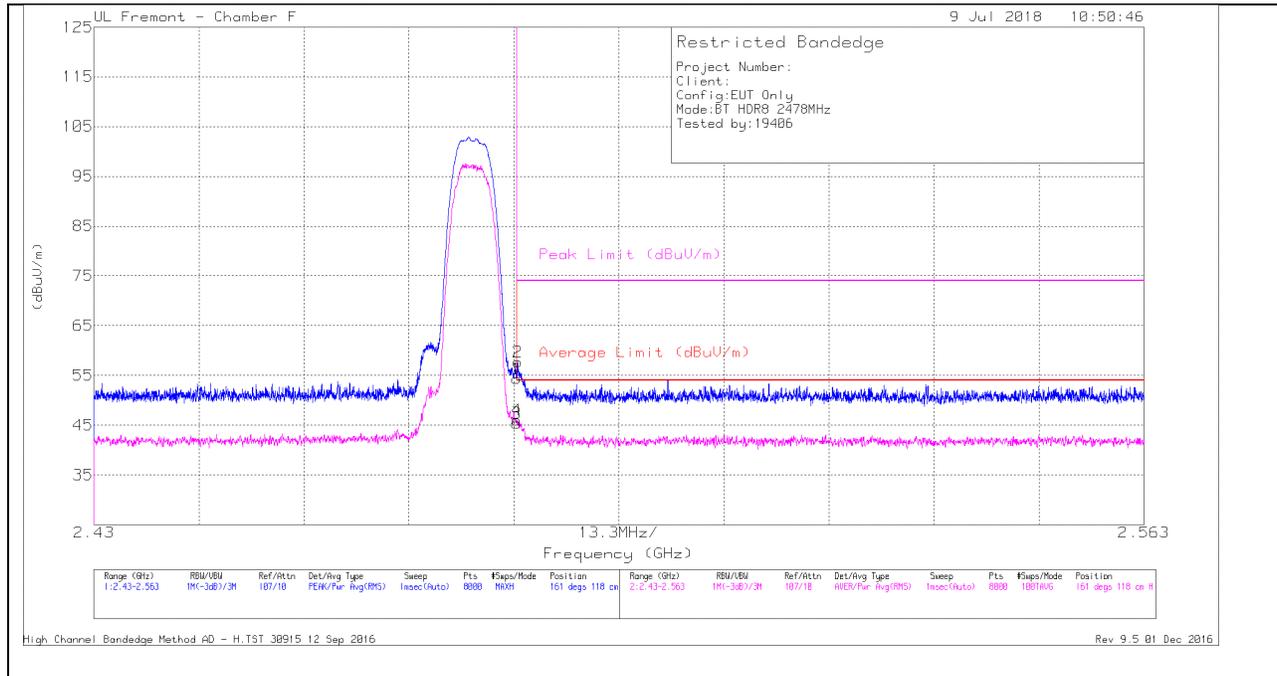


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbi/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	40.48	Pk	32	-22.6	49.88	-	-	74	-24.12	64	387	V
2	* 2.336	43.39	Pk	31.8	-22.7	52.49	-	-	74	-21.51	64	387	V
3	* 2.39	30.11	RMS	32	-22.6	39.51	54	-14.49	-	-	64	387	V
4	* 2.352	31.63	RMS	31.8	-22.7	40.73	54	-13.27	-	-	64	387	V

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

BANDEDGE (HIGH CHANNEL)

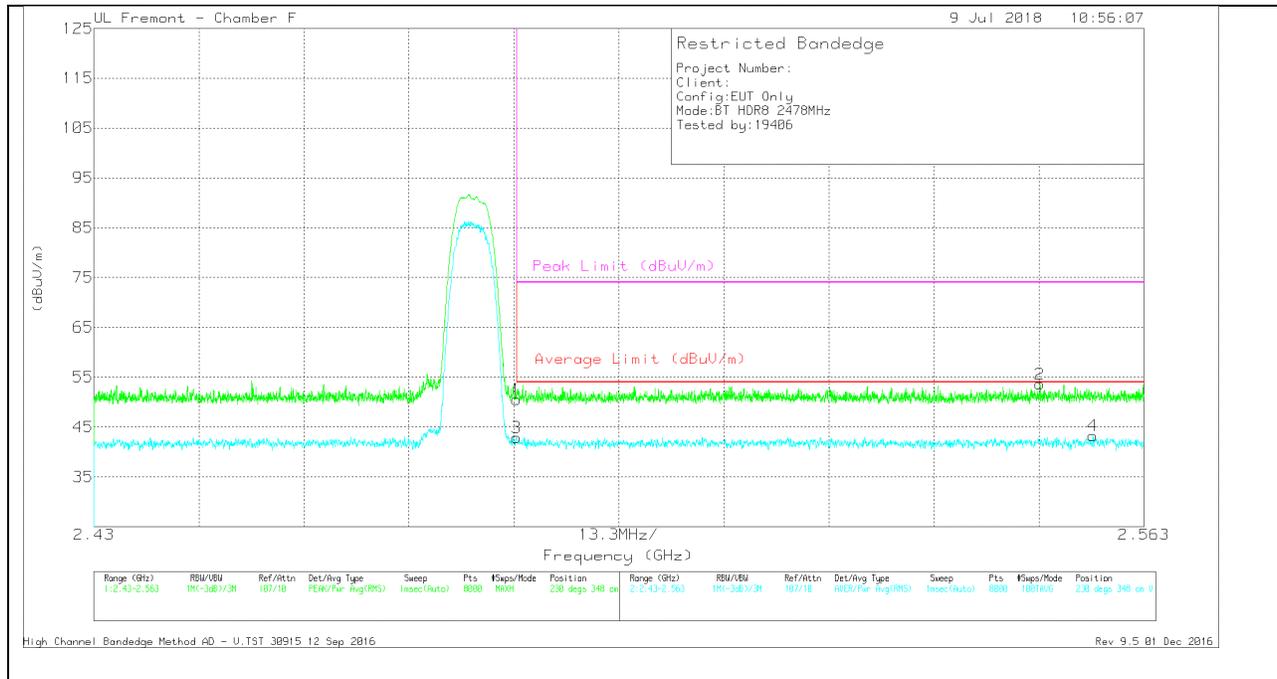
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	42.64	Pk	32.4	-20.7	54.34	-	-	74	-19.66	161	118	H
2	* 2.484	46.02	Pk	32.4	-20.7	57.72	-	-	74	-16.28	161	118	H
3	* 2.484	33.7	RMS	32.4	-20.7	45.4	54	-8.6	-	-	161	118	H
4	* 2.484	34.29	RMS	32.4	-20.7	45.99	54	-8.01	-	-	161	118	H

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

VERTICAL RESULT

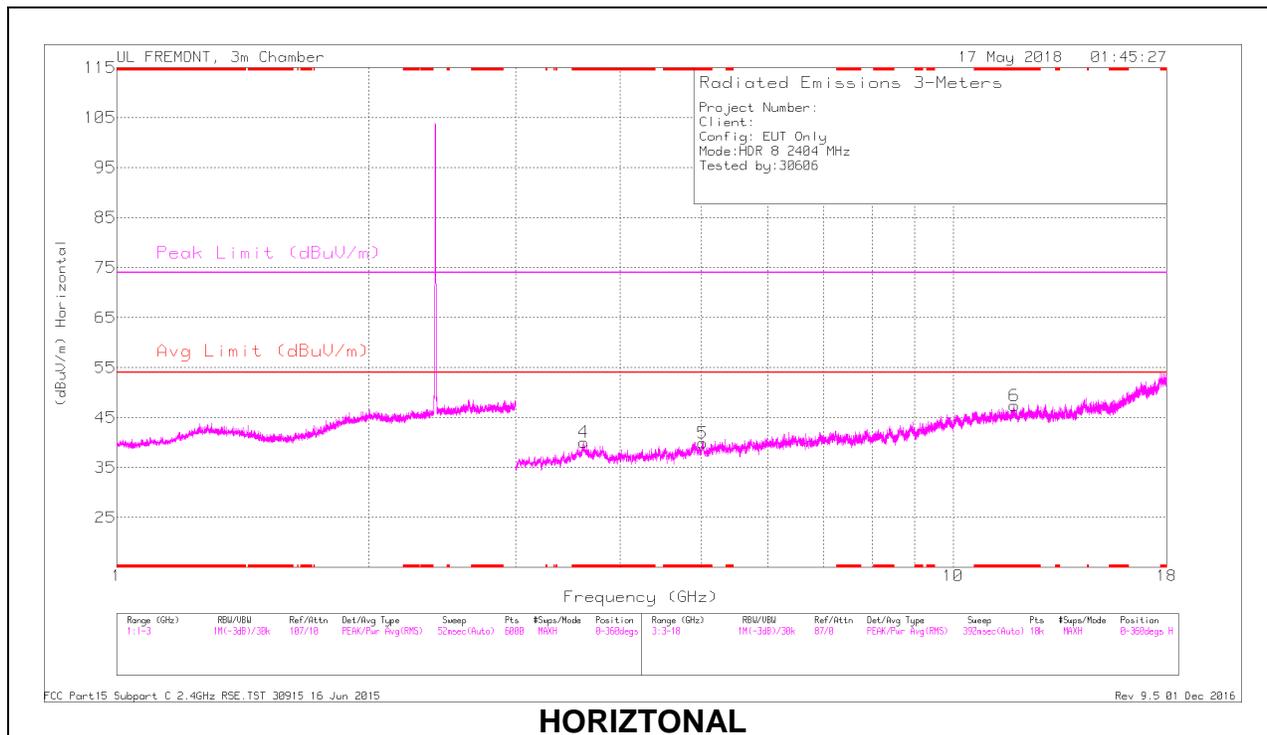


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cbl/Fitr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	38.86	Pk	32.4	-20.7	50.56	-	-	74	-23.44	230	348	V
2	2.55	41.8	Pk	32.4	-20.6	53.6	-	-	74	-20.4	230	348	V
3	* 2.484	31.2	RMS	32.4	-20.7	42.9	54	-11.1	-	-	230	348	V
4	2.557	31.6	RMS	32.4	-20.7	43.3	54	-10.7	-	-	230	348	V

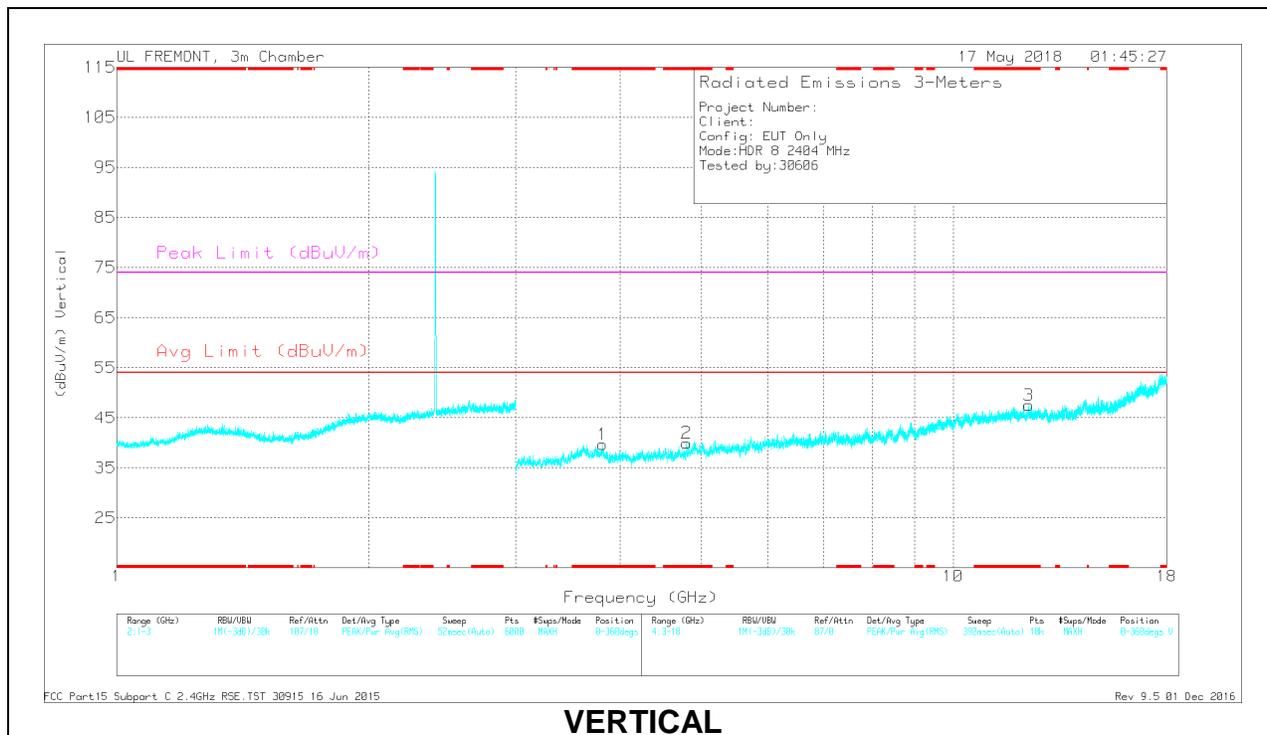
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



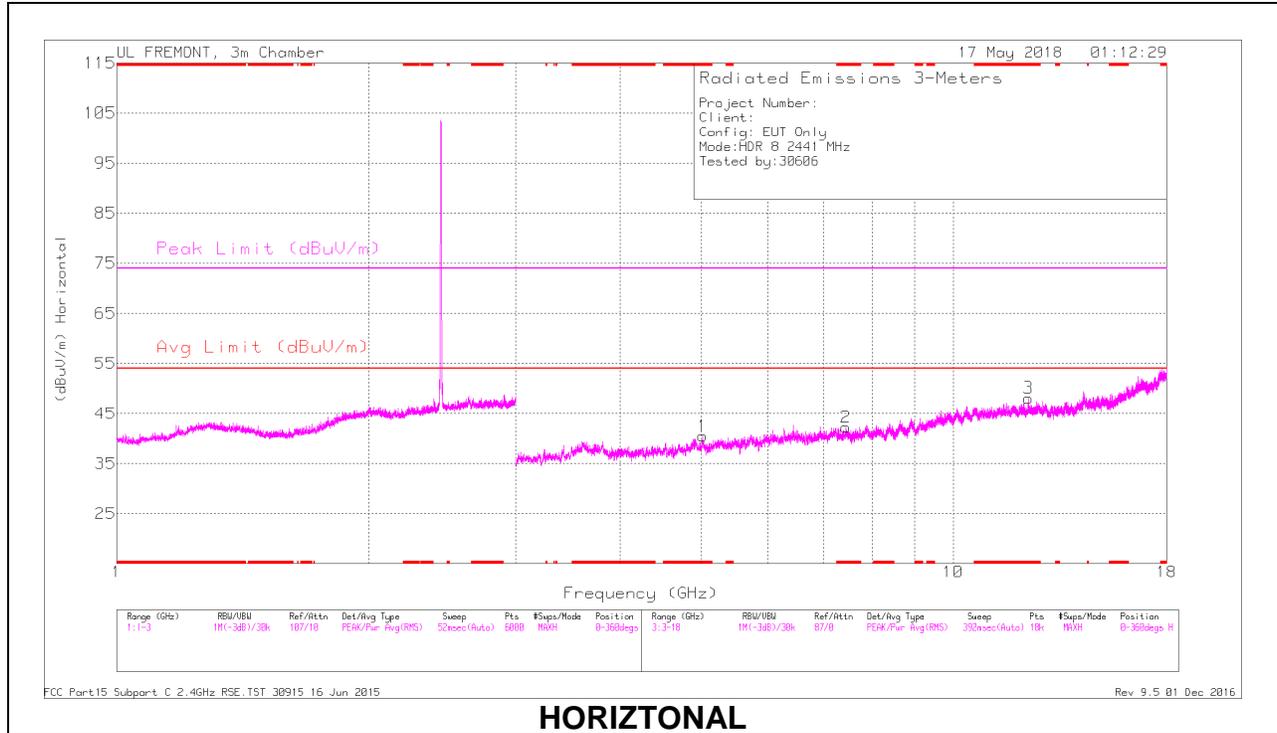
VERTICAL

RADIATED EMISSIONS

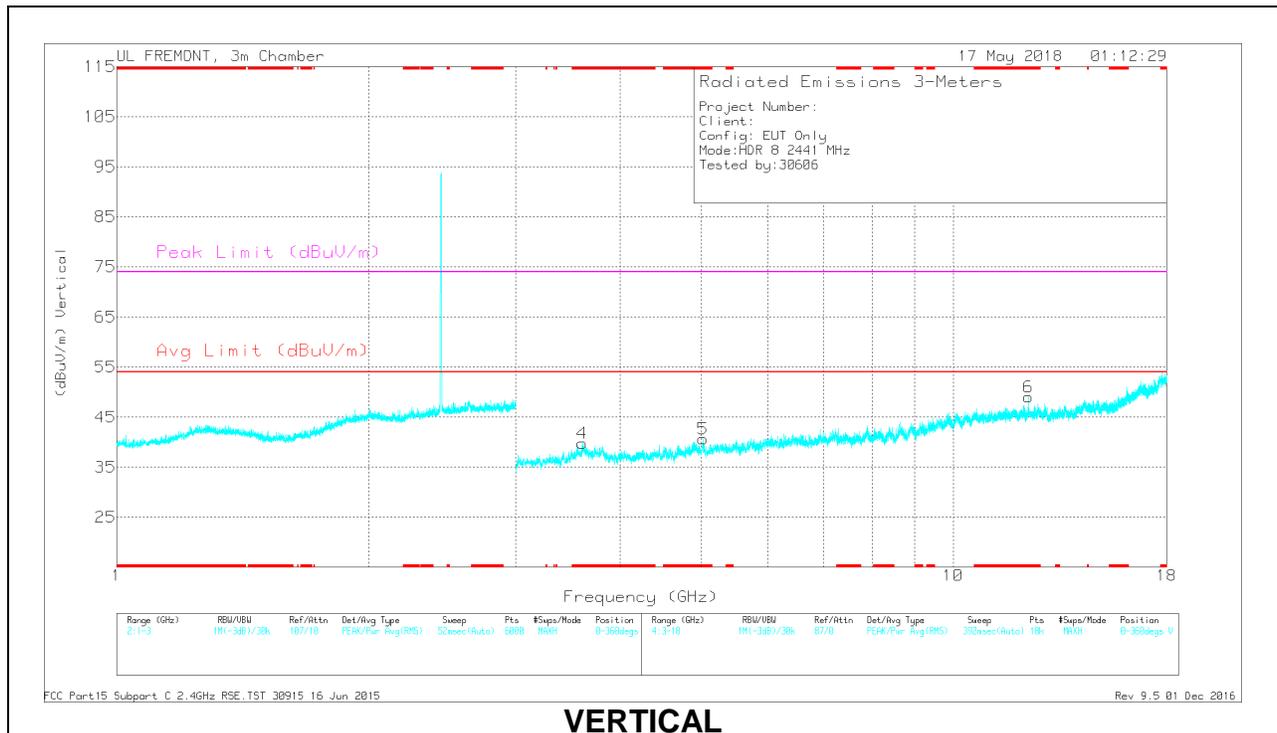
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cb/Filtr/ Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 3.617	40.99	PK2	34.7	-28.6	47.09	-	-	74	-26.91	263	175	H
	* 3.619	28.78	MAv1	34.6	-28.5	34.88	54	-19.12	-	-	263	175	H
5	* 5.018	38.16	PK2	34.2	-24.4	47.96	-	-	74	-26.04	236	190	H
	* 5.016	26.68	MAv1	34.2	-24.7	36.18	54	-17.82	-	-	236	190	H
6	* 11.836	36.52	PK2	38.9	-21.7	53.72	-	-	74	-20.28	250	208	H
	* 11.833	25.33	MAv1	38.9	-21.6	42.63	54	-11.37	-	-	250	208	H
1	* 3.812	40.26	PK2	33.7	-26.9	47.06	-	-	74	-26.94	284	213	V
	* 3.812	28.44	MAv1	33.7	-26.9	35.24	54	-18.76	-	-	284	213	V
2	* 4.801	40.05	PK2	34.1	-27	47.15	-	-	74	-26.85	114	226	V
	* 4.803	28.79	MAv1	34.1	-27.1	35.79	54	-18.21	-	-	114	226	V
3	* 12.312	36.05	PK2	39.1	-21.6	53.55	-	-	74	-20.45	131	246	V
	* 12.311	24.96	MAv1	39.1	-21.6	42.46	54	-11.54	-	-	131	246	V

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

MID CHANNEL RESULTS



HORIZONTAL



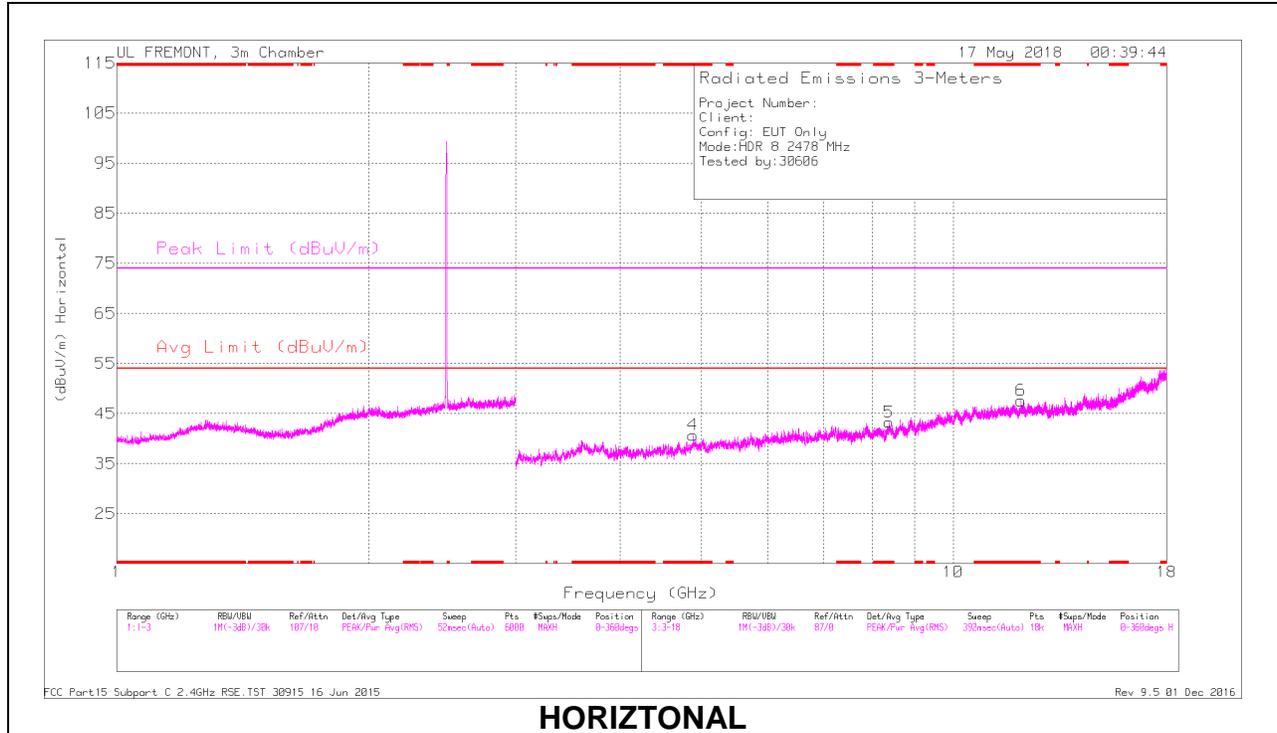
VERTICAL

RADIATED EMISSIONS

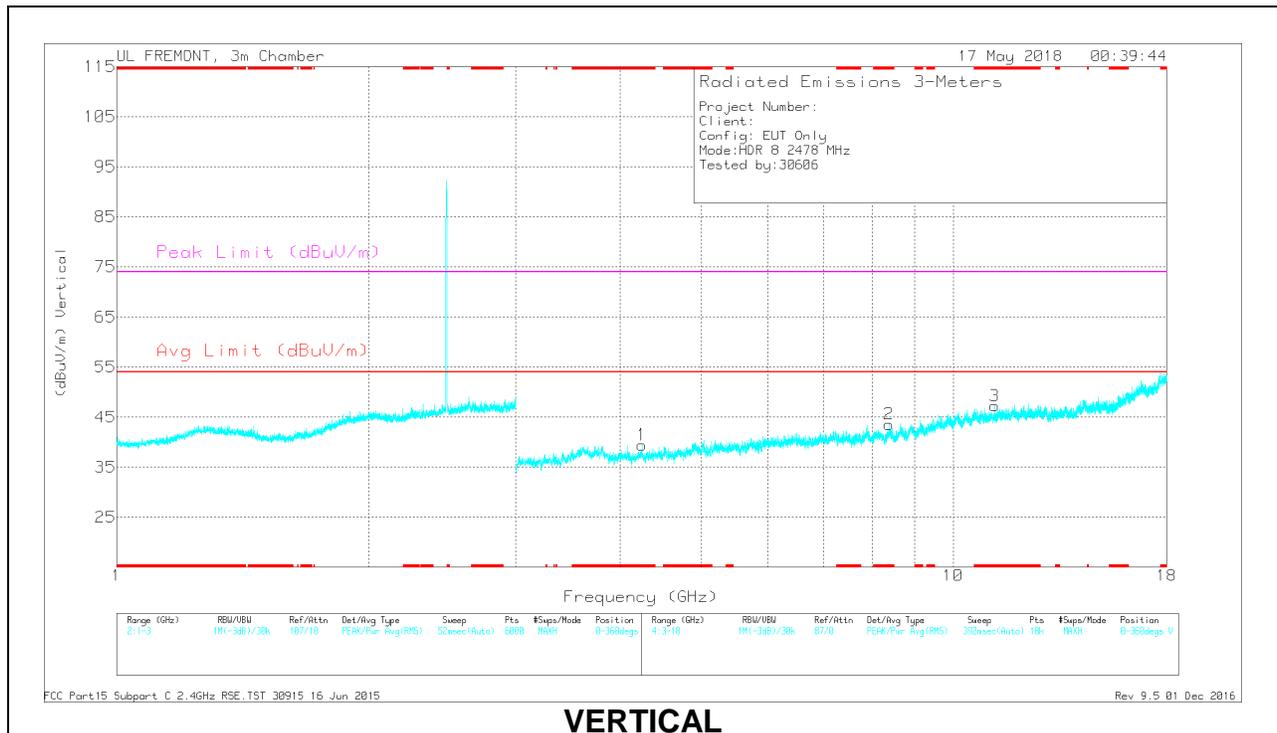
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cb/Fltr/ Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.022	37.39	PK2	34.2	-24.3	47.29	-	-	74	-26.71	174	397	H
	* 5.023	26.03	MAv1	34.2	-24.4	35.83	54	-18.17	-	-	174	397	H
2	* 7.445	37.53	PK2	35.7	-23.8	49.43	-	-	74	-24.57	129	174	H
	* 7.442	25.86	MAv1	35.7	-24.1	37.46	54	-16.54	-	-	129	174	H
3	* 12.296	36.1	PK2	39.1	-20.7	54.5	-	-	74	-19.5	54	266	H
	* 12.298	24.39	MAv1	39.1	-20.7	42.79	54	-11.21	-	-	54	266	H
4	* 3.605	40.85	PK2	34.7	-29.1	46.45	-	-	74	-27.55	147	160	V
	* 3.603	29.25	MAv1	34.7	-29.2	34.75	54	-19.25	-	-	147	160	V
5	* 5.024	38.03	PK2	34.2	-25	47.23	-	-	74	-26.77	128	193	V
	* 5.024	26.54	MAv1	34.2	-24.7	36.04	54	-17.96	-	-	128	193	V
6	* 12.301	36.28	PK2	39.1	-20.9	54.48	-	-	74	-19.52	136	132	V
	* 12.299	24.56	MAv1	39.1	-20.7	42.96	54	-11.04	-	-	136	132	V

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

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

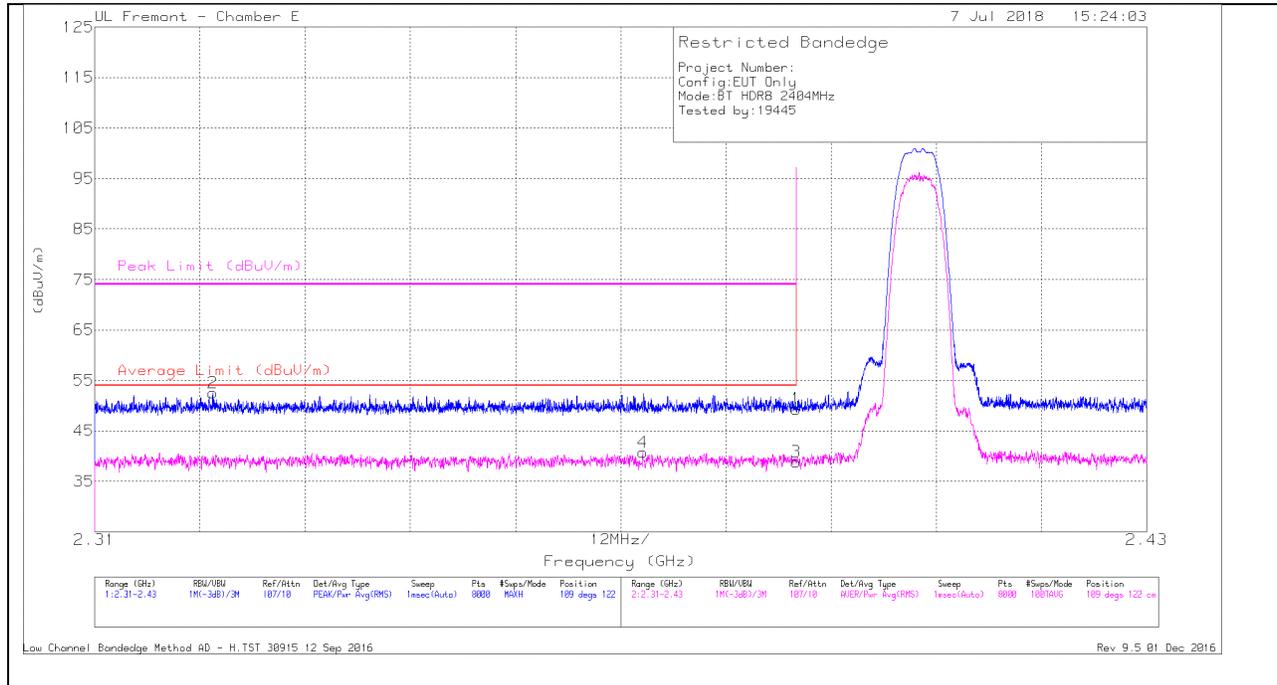
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cb/Filtr/ Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 4.888	39.42	PK2	34	-26.9	46.52	-	-	74	-27.48	167	148	H
	* 4.888	28.49	MAv1	34	-26.9	35.59	54	-18.41	-	-	167	148	H
5	* 8.388	36.26	PK2	35.7	-22.1	49.86	-	-	74	-24.14	199	180	H
	* 8.388	25.1	MAv1	35.7	-22.1	38.7	54	-15.3	-	-	199	180	H
6	* 12.059	36	PK2	39.1	-21.7	53.4	-	-	74	-20.6	231	165	H
	* 12.058	25.05	MAv1	39.1	-21.7	42.45	54	-11.55	-	-	231	165	H
1	* 4.246	41.1	PK2	33.4	-28.1	46.4	-	-	74	-27.6	73	244	V
	* 4.245	28.94	MAv1	33.4	-28.2	34.14	54	-19.86	-	-	73	244	V
2	* 8.385	36.15	PK2	35.7	-21.5	50.35	-	-	74	-23.65	138	130	V
	* 8.388	24.49	MAv1	35.7	-22.1	38.09	54	-15.91	-	-	138	130	V
3	* 11.217	35.98	PK2	38.2	-21.3	52.88	-	-	74	-21.12	169	163	V
	* 11.215	25.14	MAv1	38.2	-21.3	42.04	54	-11.96	-	-	169	163	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



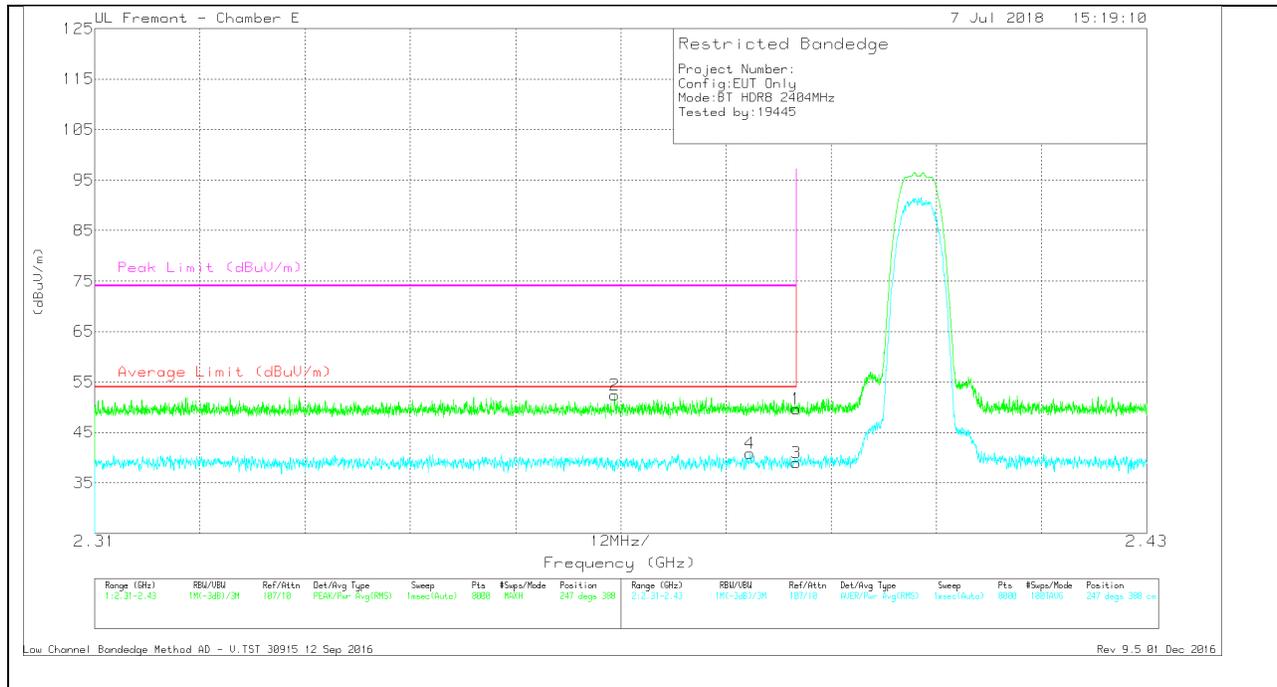
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	39.96	Pk	32	-22.6	49.36	-	-	74	-24.64	109	122	H
2	* 2.323	43.44	Pk	31.8	-22.7	52.54	-	-	74	-21.46	109	122	H
3	* 2.39	29.46	RMS	32	-22.6	38.86	54	-15.14	-	-	109	122	H
4	* 2.373	31.51	RMS	31.9	-22.7	40.71	54	-13.29	-	-	109	122	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

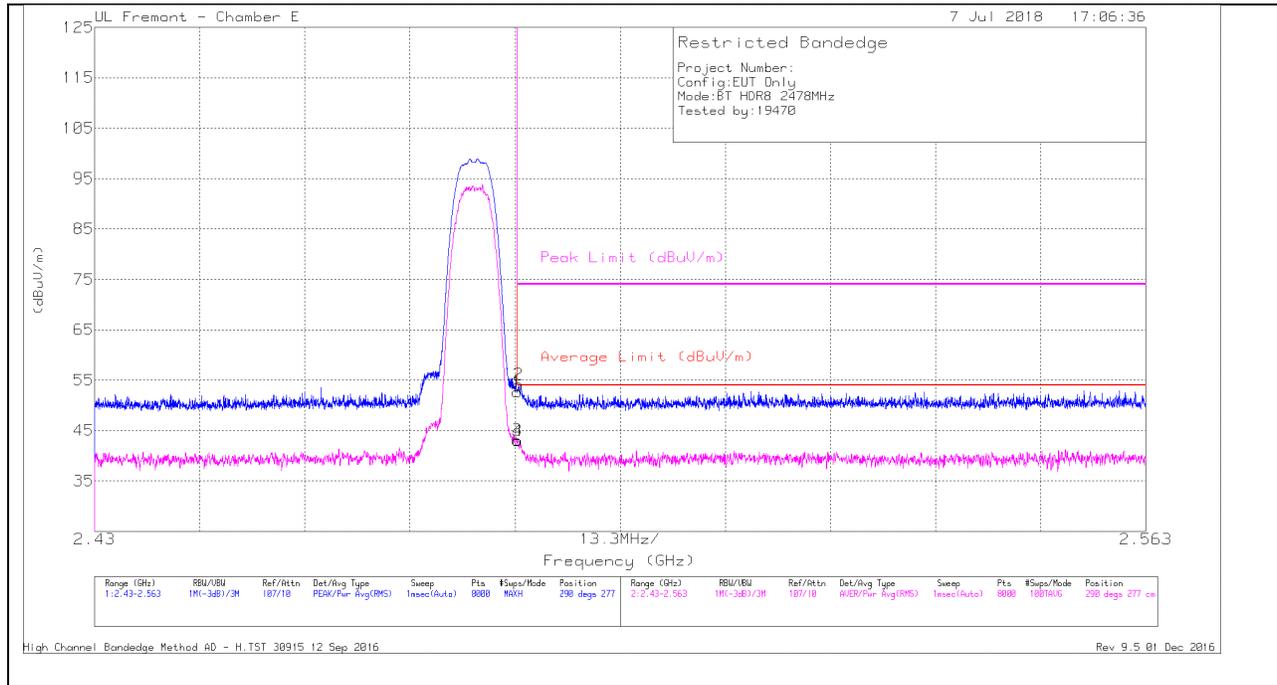


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbi/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	40.32	Pk	32	-22.6	49.72	-	-	74	-24.28	247	388	V
2	* 2.369	43.18	Pk	31.9	-22.7	52.38	-	-	74	-21.62	247	388	V
3	* 2.39	29.62	RMS	32	-22.6	39.02	54	-14.98	-	-	247	388	V
4	* 2.385	31.52	RMS	31.9	-22.6	40.82	54	-13.18	-	-	247	388	V

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

BANEDGE (HIGH CHANNEL)

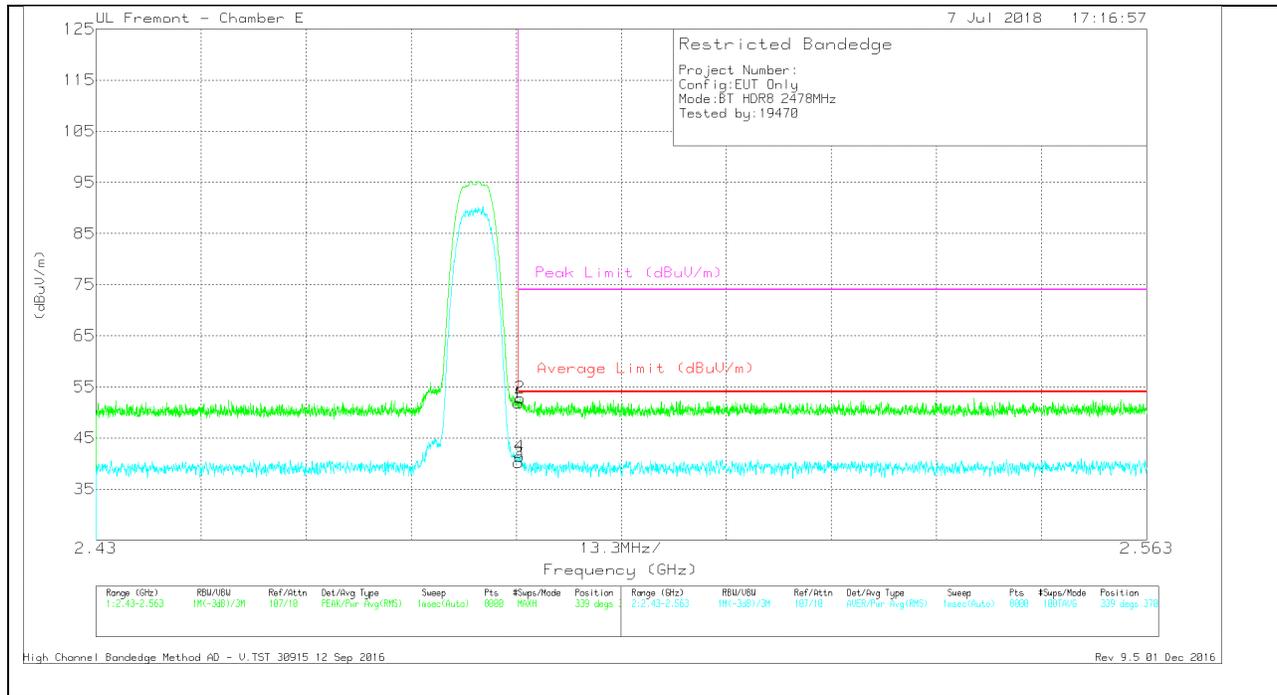
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	42.84	Pk	32.1	-22.3	52.64	-	-	74	-21.36	290	277	H
2	* 2.484	44.32	Pk	32.1	-22.3	54.12	-	-	74	-19.88	290	277	H
3	* 2.484	33.33	RMS	32.1	-22.3	43.13	54	-10.87	-	-	290	277	H
4	* 2.484	33.16	RMS	32.1	-22.3	42.96	54	-11.04	-	-	290	277	H

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

VERTICAL RESULT

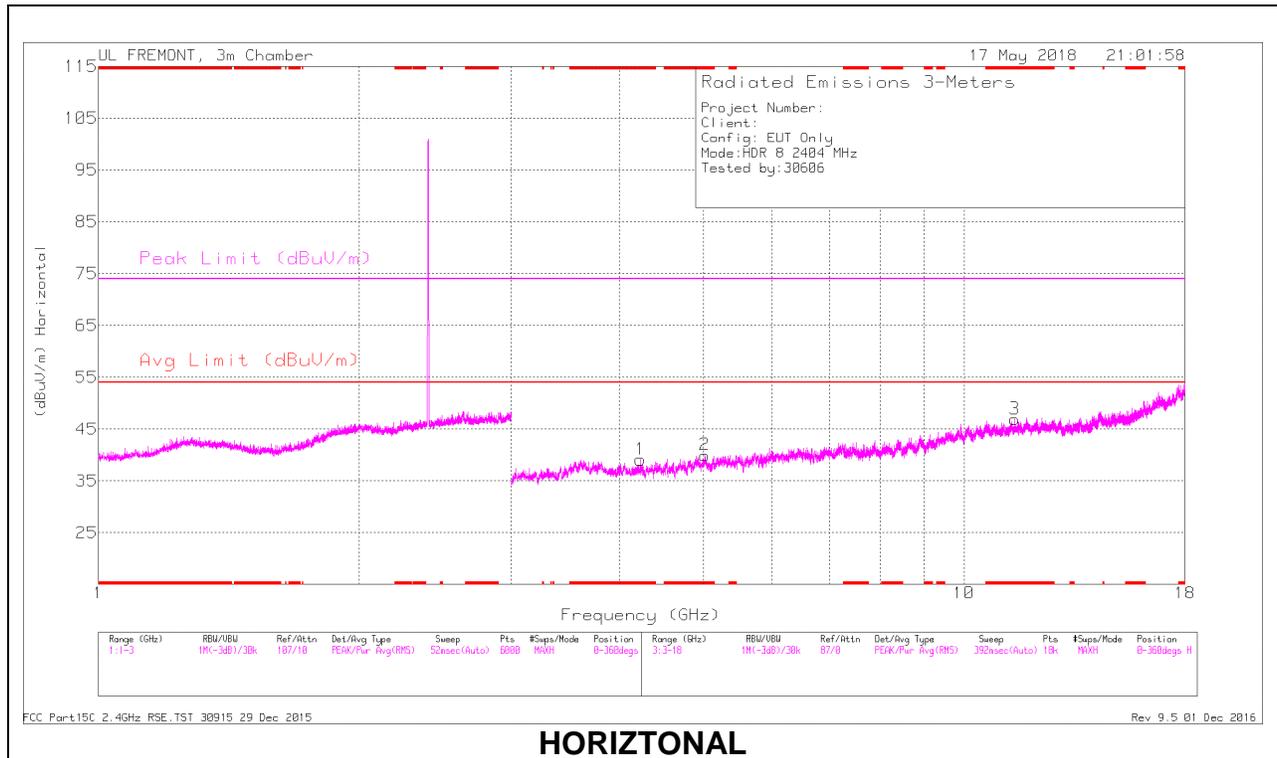


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	41.98	Pk	32.1	-22.3	51.78	-	-	74	-22.22	339	370	V
2	* 2.484	43.02	Pk	32.1	-22.3	52.82	-	-	74	-21.18	339	370	V
3	* 2.484	30.39	RMS	32.1	-22.3	40.19	54	-13.81	-	-	339	370	V
4	* 2.484	31.59	RMS	32.1	-22.3	41.39	54	-12.61	-	-	339	370	V

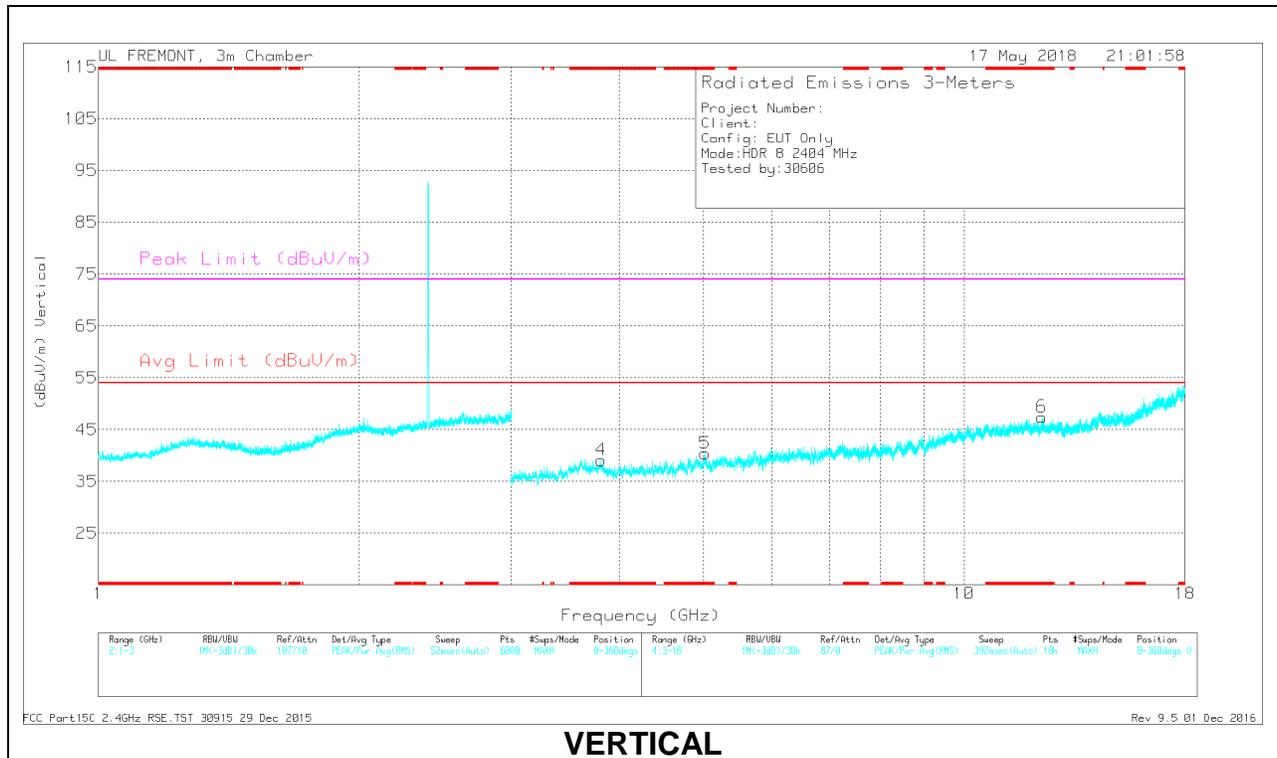
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



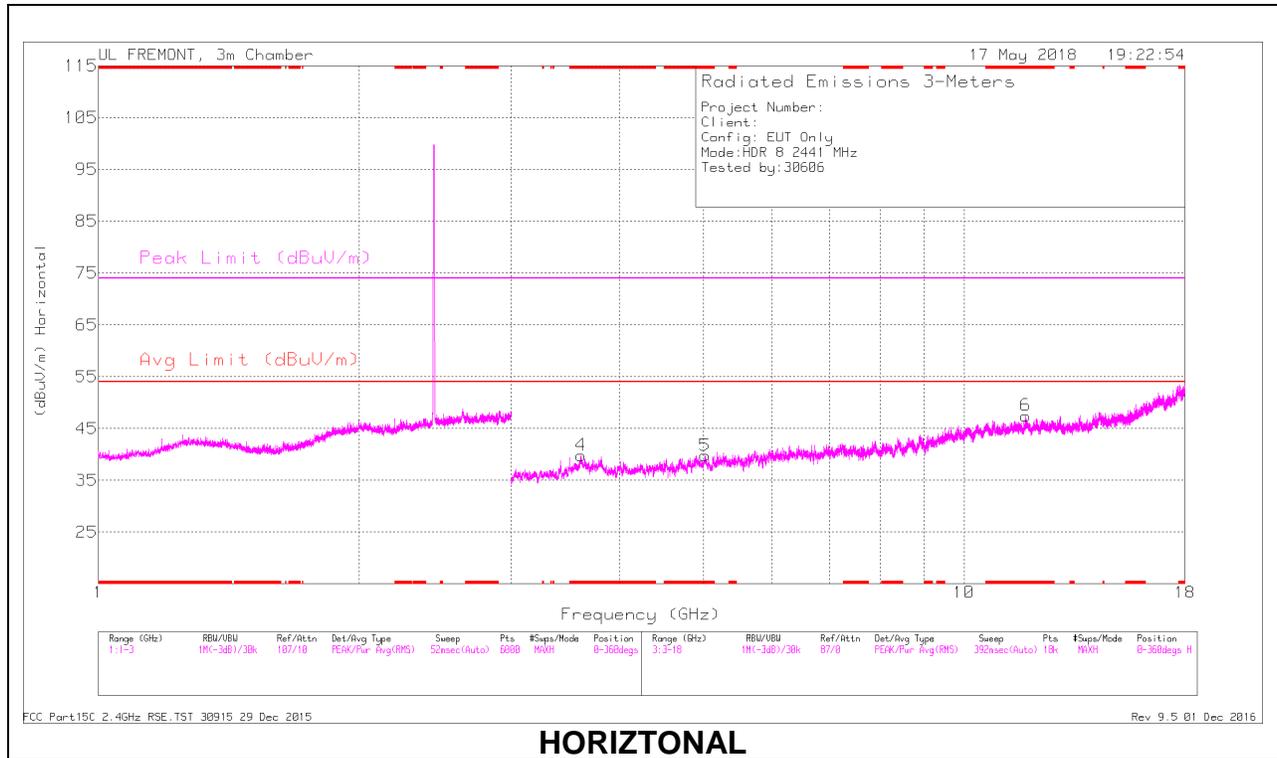
VERTICAL

RADIATED EMISSIONS

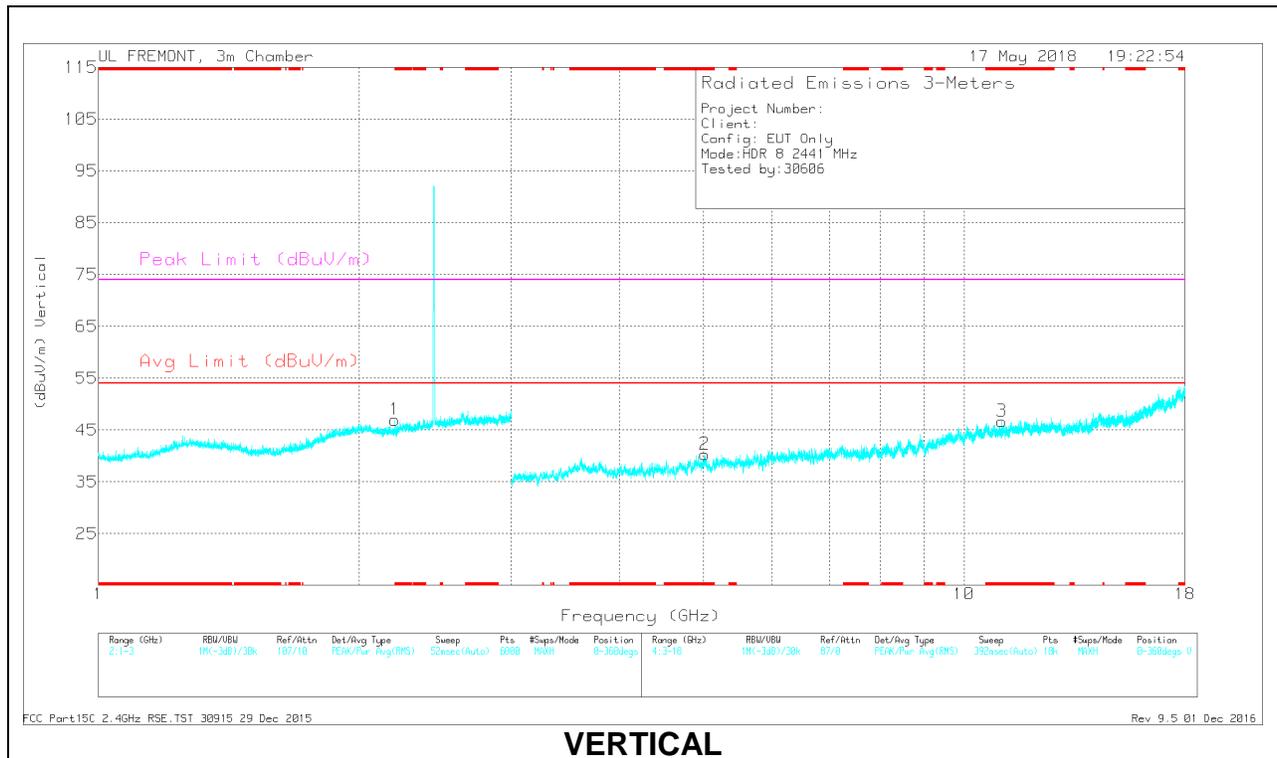
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fitr/PA d (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.23	40.95	PK2	33.4	-28.3	46.05	-	-	74	-27.95	303	170	H
	* 4.23	28.63	MAv1	33.4	-28.4	33.63	54	-20.37	-	-	303	170	H
2	* 5.02	37.06	PK2	34.2	-24.2	47.06	-	-	74	-26.94	345	240	H
	* 5.019	25.88	MAv1	34.2	-24.3	35.78	54	-18.22	-	-	345	240	H
3	* 11.44	35.85	PK2	38.5	-21.5	52.85	-	-	74	-21.15	48	129	H
	* 11.441	24.34	MAv1	38.5	-21.6	41.24	54	-12.76	-	-	48	129	H
4	* 3.809	39.42	PK2	33.7	-26.8	46.32	-	-	74	-27.68	55	341	V
	* 3.81	28.17	MAv1	33.7	-26.7	35.17	54	-18.83	-	-	55	341	V
5	* 5.024	37.59	PK2	34.2	-25	46.79	-	-	74	-27.21	63	390	V
	* 5.024	26.33	MAv1	34.2	-25	35.53	54	-18.47	-	-	63	390	V
6	* 12.295	35.61	PK2	39.1	-20.9	53.81	-	-	74	-20.19	26	135	V
	* 12.294	24.13	MAv1	39.1	-21	42.23	54	-11.77	-	-	26	135	V

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

MID CHANNEL RESULTS



HORIZONTAL



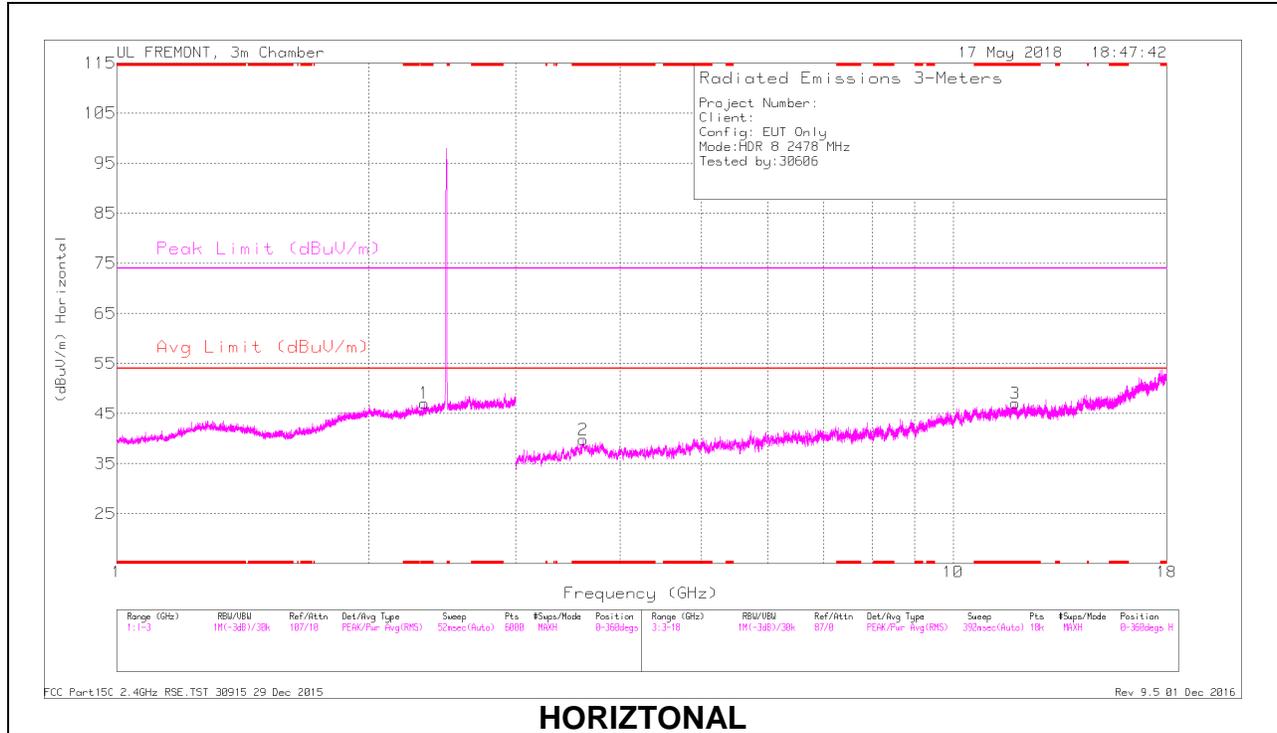
VERTICAL

RADIATED EMISSIONS

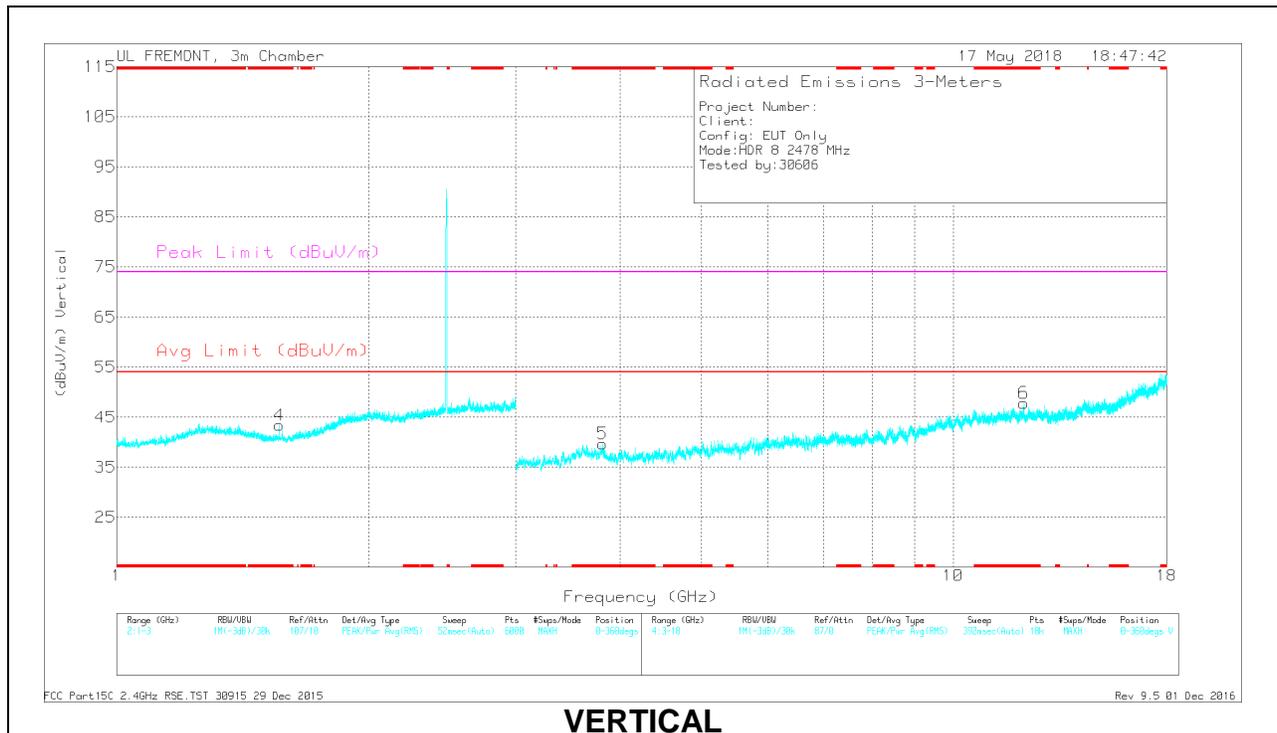
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fitr/PA d (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.229	41.98	PK2	31.8	-21	52.78	-	-	74	-21.22	287	289	V
	* 2.28	30.19	MAv1	31.8	-20.9	41.09	54	-12.91	-	-	287	289	V
4	* 3.611	41.26	PK2	34.7	-29	46.96	-	-	74	-27.04	7	109	H
	* 3.611	29.16	MAv1	34.7	-28.9	34.96	54	-19.04	-	-	7	109	H
5	* 5.021	37.97	PK2	34.2	-24.2	47.97	-	-	74	-26.03	258	244	H
	* 5.023	26.1	MAv1	34.2	-24.6	35.7	54	-18.3	-	-	258	244	H
6	* 11.791	36.04	PK2	38.9	-21.5	53.44	-	-	74	-20.56	85	268	H
	* 11.791	24.48	MAv1	38.9	-21.5	41.88	54	-12.12	-	-	85	268	H
2	* 5.021	37.2	PK2	34.2	-24.2	47.2	-	-	74	-26.8	10	220	V
	* 5.02	25.9	MAv1	34.2	-24.2	35.9	54	-18.1	-	-	10	220	V
3	* 11.053	35.58	PK2	38.1	-20.5	53.18	-	-	74	-20.82	136	213	V
	* 11.054	23.97	MAv1	38.1	-20.5	41.57	54	-12.43	-	-	136	213	V

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

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cb/Fltr/ Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.335	41.53	PK2	31.7	-20.3	52.93	-	-	74	-21.07	248	388	H
	* 2.335	29.72	MAv1	31.7	-20.2	41.22	54	-12.78	-	-	248	388	H
4	* 1.563	42.62	PK2	28	-21.4	49.22	-	-	74	-24.78	248	378	V
	* 1.565	30.29	MAv1	28	-21.4	36.89	54	-17.11	-	-	248	378	V
2	* 3.608	40.76	PK2	34.7	-28.9	46.56	-	-	74	-27.44	135	400	H
	* 3.611	29.04	MAv1	34.7	-29	34.74	54	-19.26	-	-	135	400	H
3	* 11.87	36.51	PK2	39	-22	53.51	-	-	74	-20.49	149	155	H
	* 11.871	25.3	MAv1	39	-22.1	42.2	54	-11.8	-	-	149	155	H
5	* 3.81	40.26	PK2	33.7	-26.7	47.26	-	-	74	-26.74	81	338	V
	* 3.814	28.96	MAv1	33.7	-27.4	35.26	54	-18.74	-	-	81	338	V
6	* 12.146	36.46	PK2	39.1	-21	54.56	-	-	74	-19.44	131	303	V
	* 12.145	25.1	MAv1	39.1	-20.9	43.3	54	-10.7	-	-	131	303	V

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

PK2 - KDB558074 Method: Maximum Peak

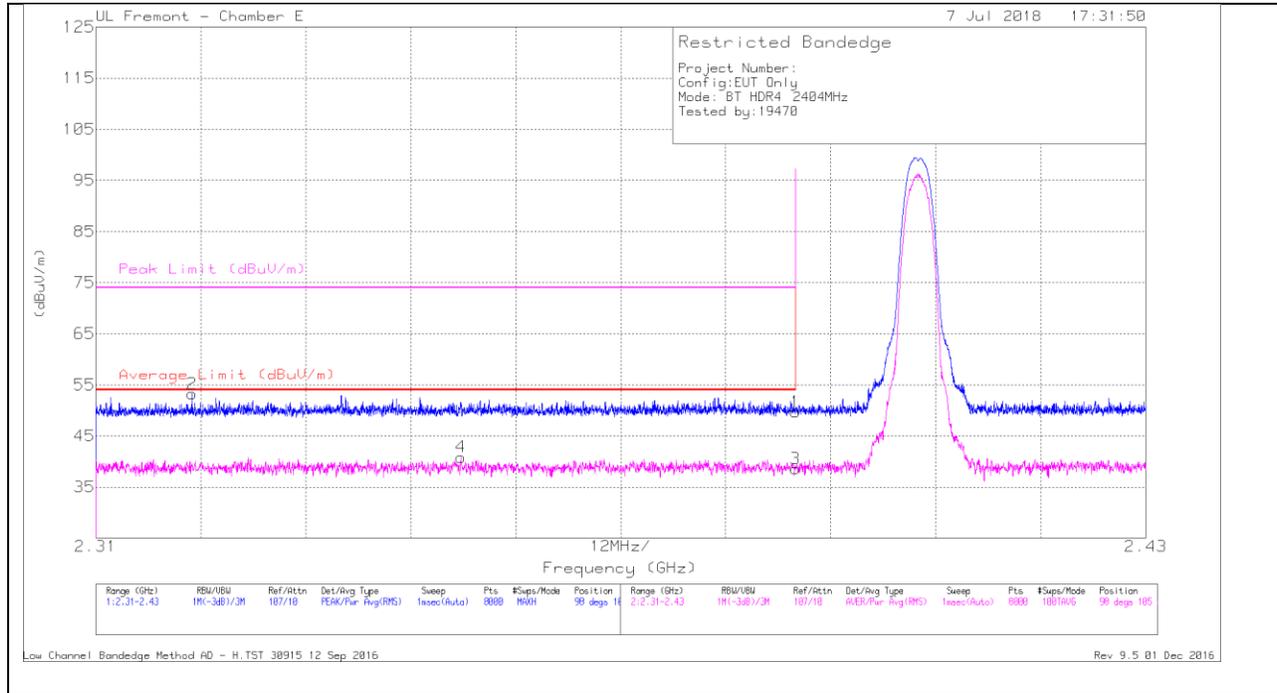
MAv1 - KDB558074 Option 1 Maximum RMS Average

9.2.3. LOW POWER HDR4

Antenna 4

BANDEDGE (LOW CHANNEL)

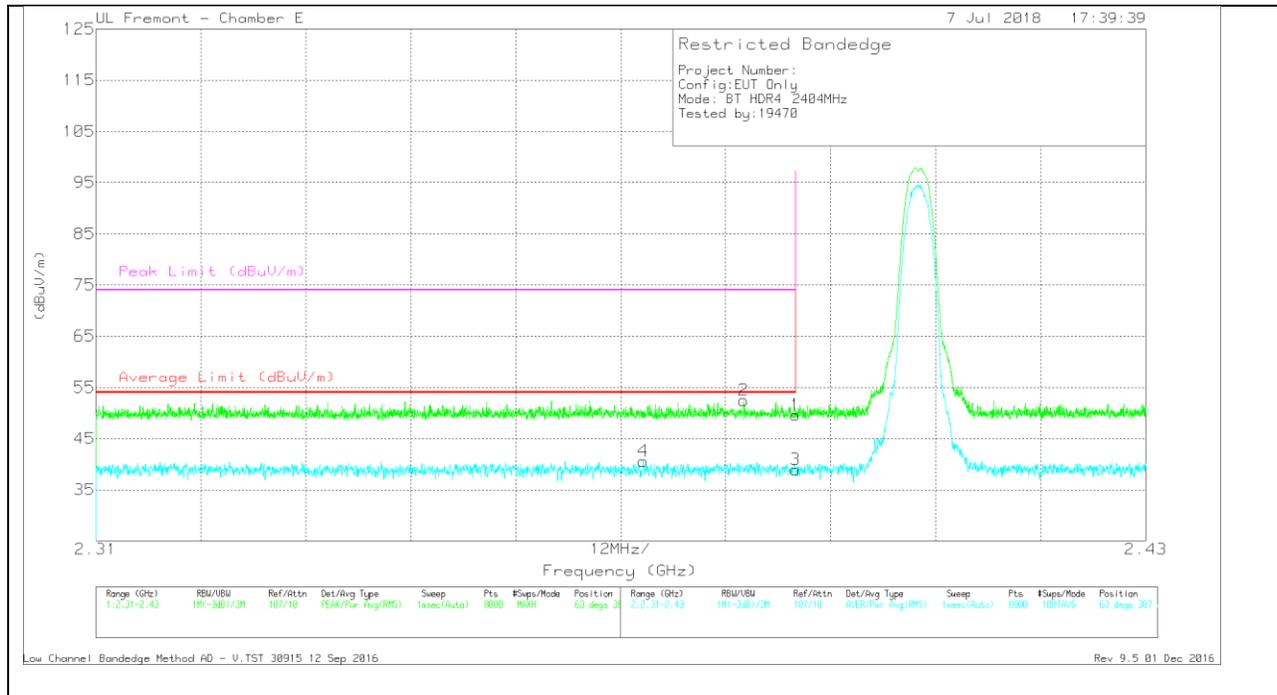
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	40.32	Pk	32	-22.6	49.72	-	-	74	-24.28	98	105	H
2	* 2.321	44.14	Pk	31.8	-22.7	53.24	-	-	74	-20.76	98	105	H
3	* 2.39	29.19	RMS	32	-22.6	38.59	54	-15.41	-	-	98	105	H
4	* 2.352	31.75	RMS	31.8	-22.7	40.85	54	-13.15	-	-	98	105	H

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

VERTICAL RESULT

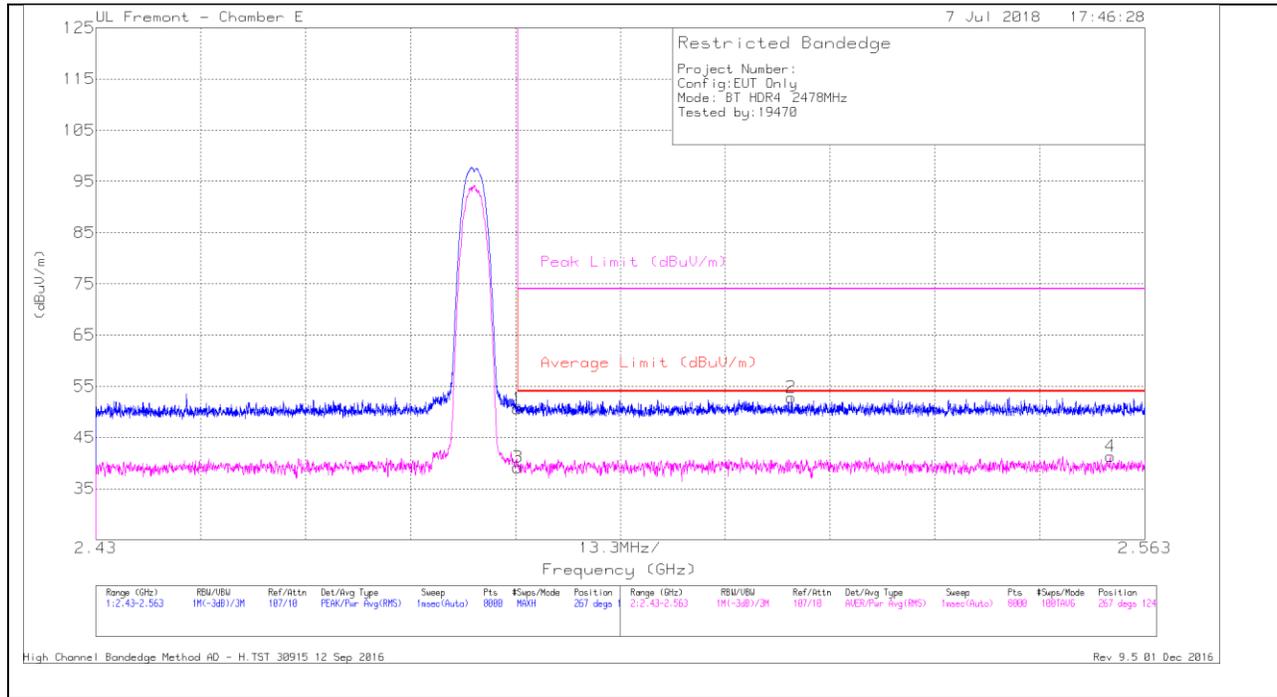


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/CbI/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	40.21	Pk	32	-22.6	49.61	-	-	74	-24.39	63	387	V
2	* 2.384	43.17	Pk	31.9	-22.6	52.47	-	-	74	-21.53	63	387	V
3	* 2.39	29.52	RMS	32	-22.6	38.92	54	-15.08	-	-	63	387	V
4	* 2.373	31.4	RMS	31.9	-22.7	40.6	54	-13.4	-	-	63	387	V

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

BANDEDGE (HIGH CHANNEL)

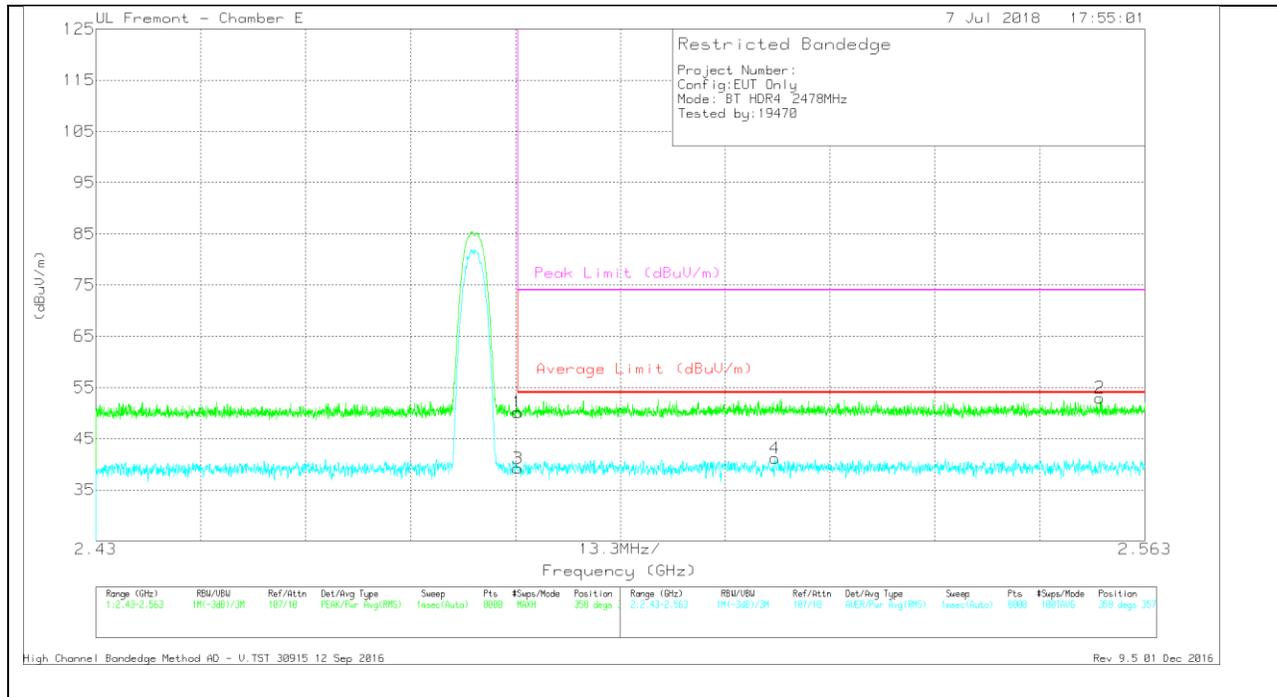
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.84	Pk	32.1	-22.3	50.64	-	-	74	-23.36	267	124	H
3	* 2.484	29.37	RMS	32.1	-22.3	39.17	54	-14.83	-	-	267	124	H
2	2.518	42.92	Pk	32.1	-22.2	52.82	-	-	74	-21.18	267	124	H
4	2.559	31.51	RMS	32.1	-22.3	41.31	54	-12.69	-	-	267	124	H

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

VERTICAL RESULT

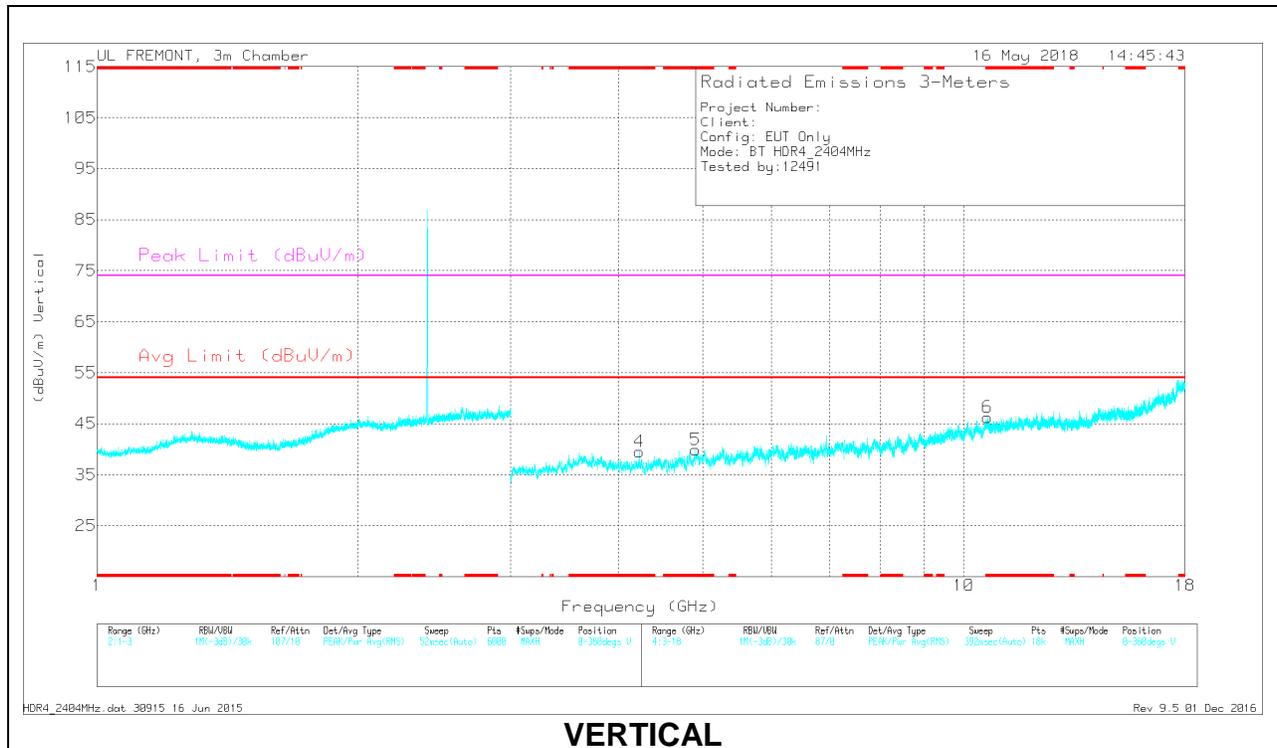
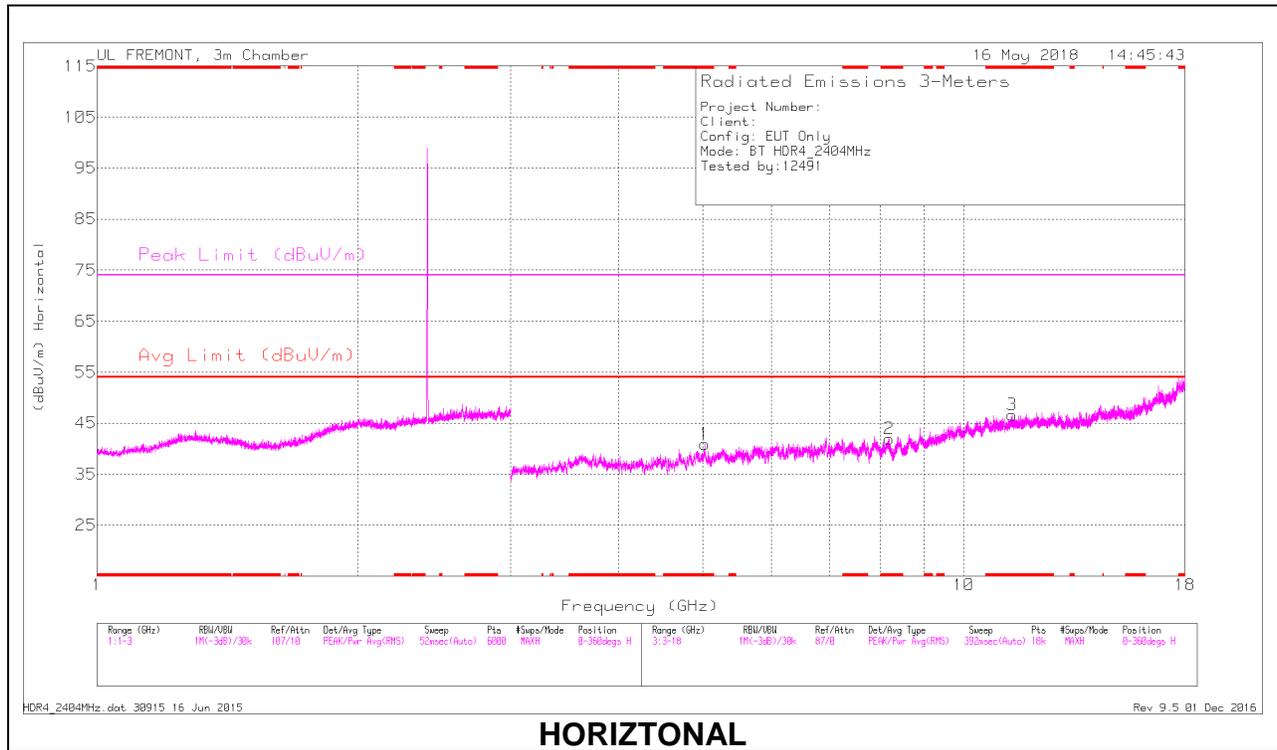


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/CbI/Filt/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.35	Pk	32.1	-22.3	50.15	-	-	74	-23.85	358	357	V
3	* 2.484	29.38	RMS	32.1	-22.3	39.18	54	-14.82	-	-	358	357	V
4	2.516	31.24	RMS	32.1	-22.2	41.14	54	-12.86	-	-	358	357	V
2	2.557	43.12	Pk	32.1	-22.3	52.92	-	-	74	-21.08	358	357	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

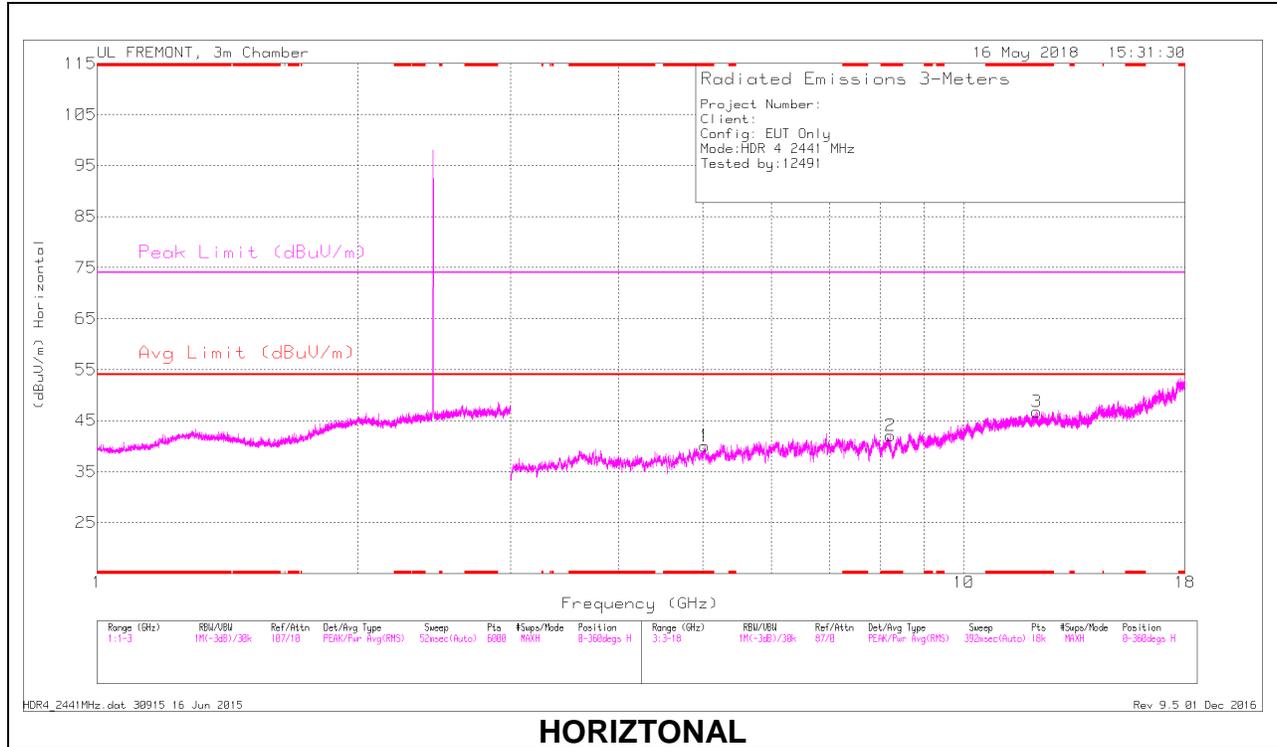
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.021	38.16	PK2	34.2	-24.2	48.16	-	-	74	-25.84	148	166	H
	* 5.023	27.14	MAv1	34.2	-24.7	36.64	54	-17.36	-	-	148	166	H
2	* 8.195	35.74	PK2	35.8	-23	48.54	-	-	74	-25.46	115	216	H
	* 8.194	24.92	MAv1	35.8	-23	37.72	54	-16.28	-	-	115	216	H
3	* 11.368	35.29	PK2	38.4	-21.4	52.29	-	-	74	-21.71	93	170	H
	* 11.367	23.53	MAv1	38.4	-21.4	40.53	54	-13.47	-	-	93	170	H
4	* 4.225	40.99	PK2	33.4	-27.7	46.69	-	-	74	-27.31	159	219	V
	* 4.226	28.77	MAv1	33.4	-27.8	34.37	54	-19.63	-	-	159	219	V
5	* 4.904	39.18	PK2	34	-26.3	46.88	-	-	74	-27.12	190	252	V
	* 4.905	28.32	MAv1	34	-26.4	35.92	54	-18.08	-	-	190	252	V
6	* 10.66	36.27	PK2	37.8	-20.3	53.77	-	-	74	-20.23	140	205	V
	* 10.659	24.9	MAv1	37.8	-20.4	42.3	54	-11.7	-	-	140	205	V

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

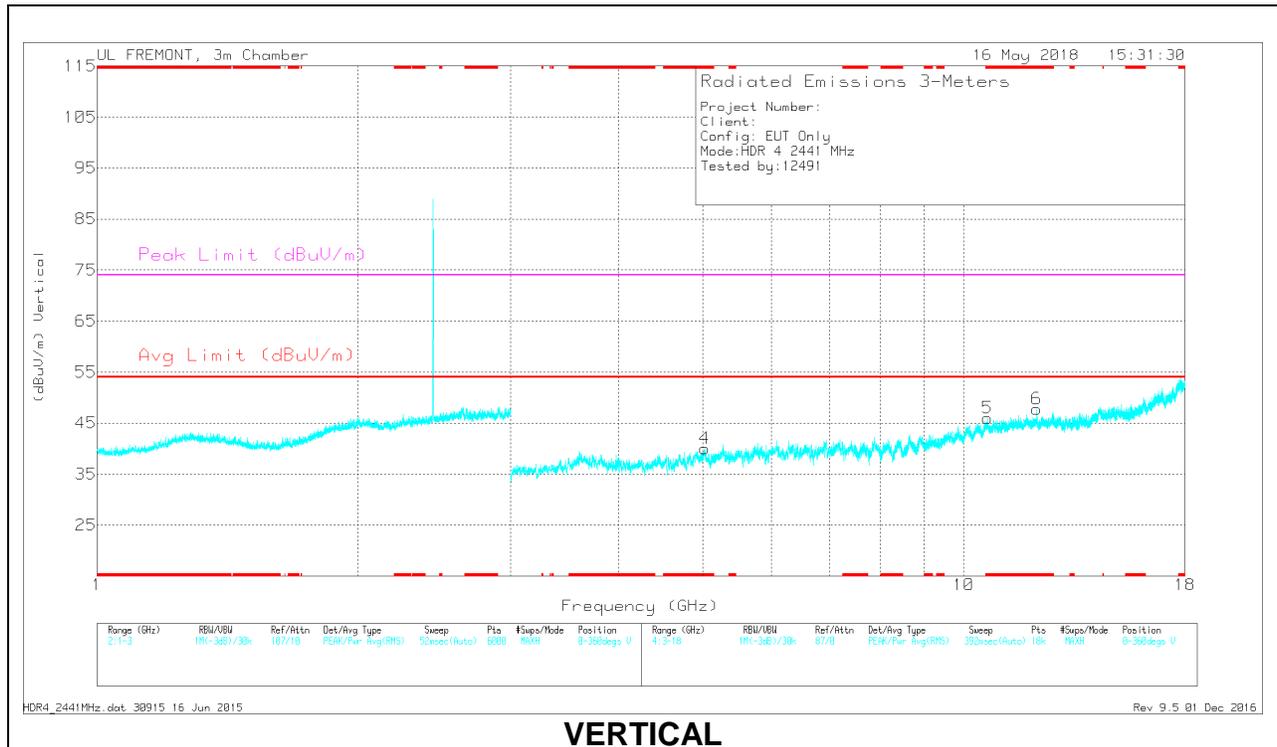
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS



HORIZONTAL



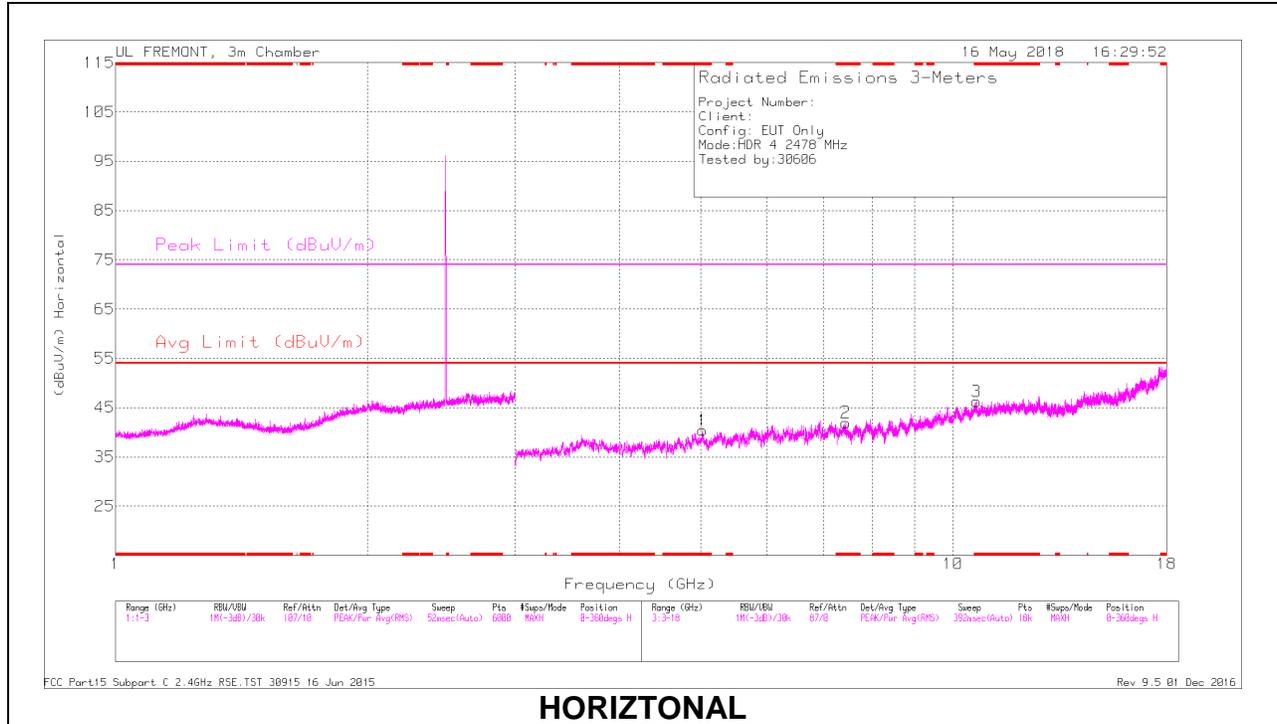
VERTICAL

RADIATED EMISSIONS

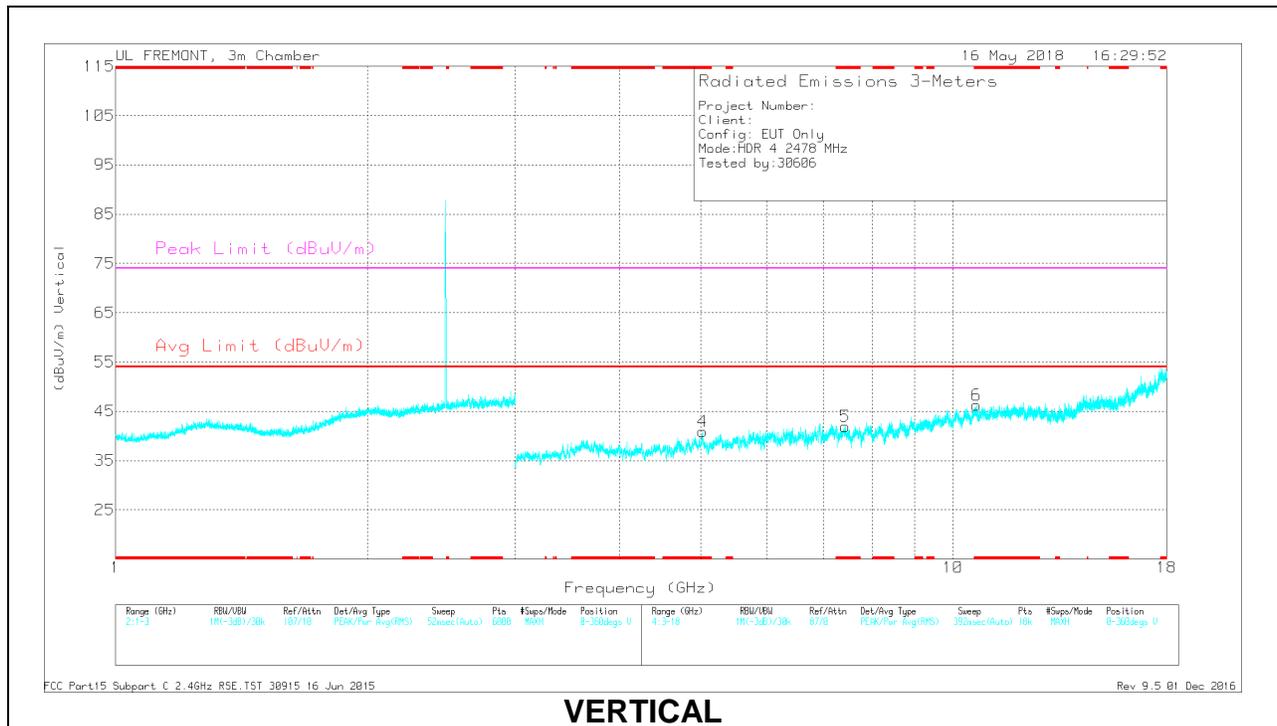
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fitr/Padded (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.024	38.17	PK2	34.2	-24.9	47.47	-	-	74	-26.53	214	147	H
	* 5.023	27.1	MAv1	34.2	-24.5	36.8	54	-17.2	-	-	214	147	H
2	* 8.223	36.52	PK2	35.8	-23.9	48.42	-	-	74	-25.58	247	180	H
	* 8.224	25.42	MAv1	35.8	-23.9	37.32	54	-16.68	-	-	247	180	H
3	* 12.144	33.51	PK2	39.1	-20.9	51.71	-	-	74	-22.29	197	211	H
	* 12.142	23.05	MAv1	39.1	-21	41.15	54	-12.85	-	-	197	211	H
4	* 5.024	38.61	PK2	34.2	-24.7	48.11	-	-	74	-25.89	164	195	V
	* 5.024	27.3	MAv1	34.2	-24.9	36.6	54	-17.4	-	-	164	195	V
5	* 10.66	35.78	PK2	37.8	-20.3	53.28	-	-	74	-20.72	148	244	V
	* 10.657	24.83	MAv1	37.8	-20.6	42.03	54	-11.97	-	-	148	244	V
6	* 12.144	35.38	PK2	39.1	-20.9	53.58	-	-	74	-20.42	196	277	V
	* 12.145	23.99	MAv1	39.1	-20.9	42.19	54	-11.81	-	-	196	277	V

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

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cb/Filtr/ Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.024	38.64	PK2	34.2	-24.8	48.04	-	-	74	-25.96	306	394	H
	* 5.025	27.59	MAv1	34.2	-25.2	36.59	54	-17.41	-	-	306	394	H
2	* 7.447	36.21	PK2	35.7	-23.7	48.21	-	-	74	-25.79	243	148	H
	* 7.444	25.68	MAv1	35.7	-23.9	37.48	54	-16.52	-	-	243	148	H
3	* 10.665	35.28	PK2	37.8	-20.6	52.48	-	-	74	-21.52	195	133	H
	* 10.663	23.88	MAv1	37.8	-20.4	41.28	54	-12.72	-	-	195	133	H
4	* 5.023	38.25	PK2	34.2	-24.4	48.05	-	-	74	-25.95	187	114	V
	* 5.023	27.24	MAv1	34.2	-24.5	36.94	54	-17.06	-	-	187	114	V
5	* 7.443	37.38	PK2	35.7	-24	49.08	-	-	74	-24.92	228	163	V
	* 7.443	26.22	MAv1	35.7	-24	37.92	54	-16.08	-	-	228	163	V
6	* 10.663	35.01	PK2	37.8	-20.4	52.41	-	-	74	-21.59	180	135	V
	* 10.662	24.1	MAv1	37.8	-20.4	41.5	54	-12.5	-	-	180	135	V

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

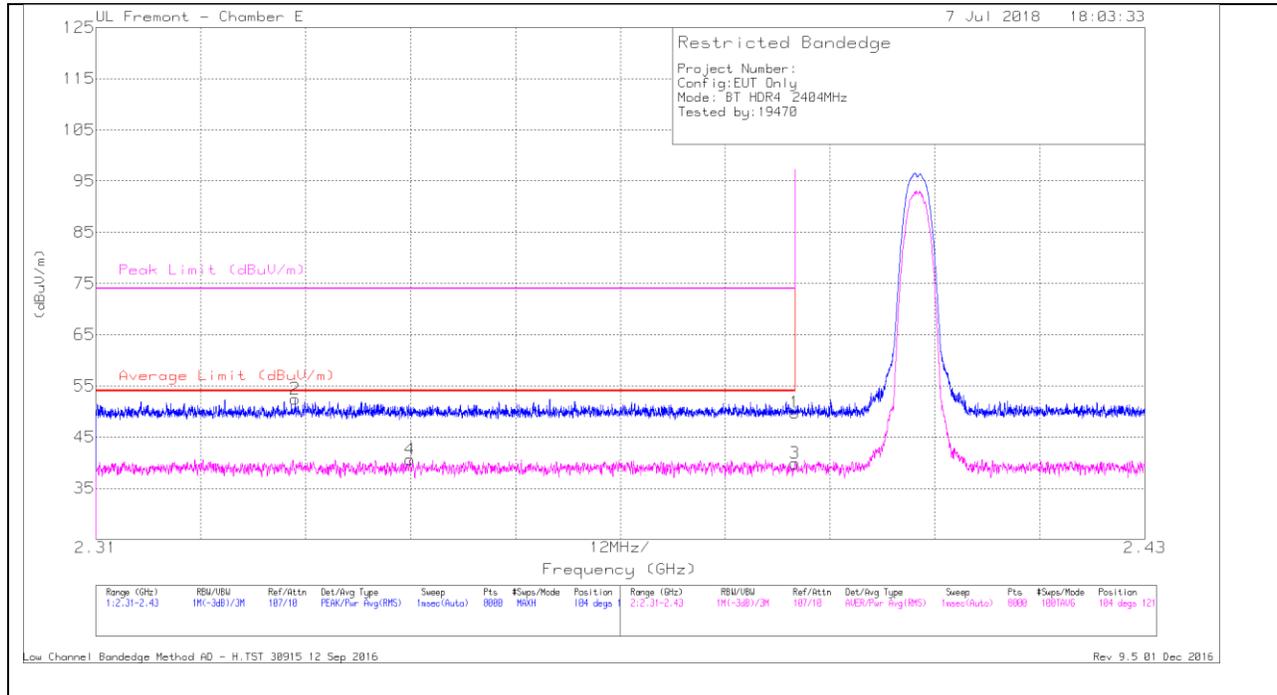
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

Antenna 3

BANEDGE (LOW CHANNEL)

HORIZONTAL RESULT



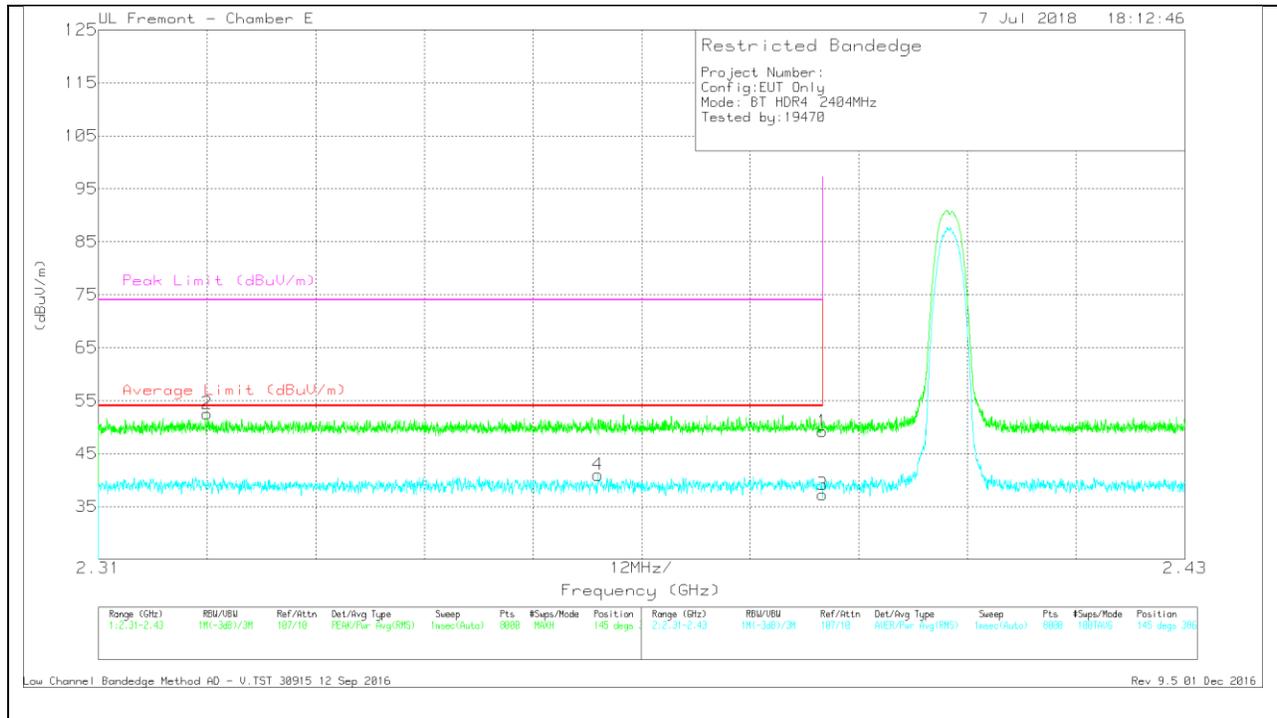
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbi/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	40.38	Pk	32	-22.6	49.78	-	-	74	-24.22	104	121	H
2	* 2.333	43.33	Pk	31.8	-22.7	52.43	-	-	74	-21.57	104	121	H
3	* 2.39	30.5	RMS	32	-22.6	39.9	54	-14.1	-	-	104	121	H
4	* 2.346	31.52	RMS	31.8	-22.7	40.62	54	-13.38	-	-	104	121	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.322	43.46	Pk	31.8	-22.7	52.56	-	-	74	-21.44	145	386	V
4	* 2.365	31.8	RMS	31.9	-22.7	41	54	-13	-	-	145	386	V
1	* 2.39	39.83	Pk	32	-22.6	49.23	-	-	74	-24.77	145	386	V
3	* 2.39	27.87	RMS	32	-22.6	37.27	54	-16.73	-	-	145	386	V

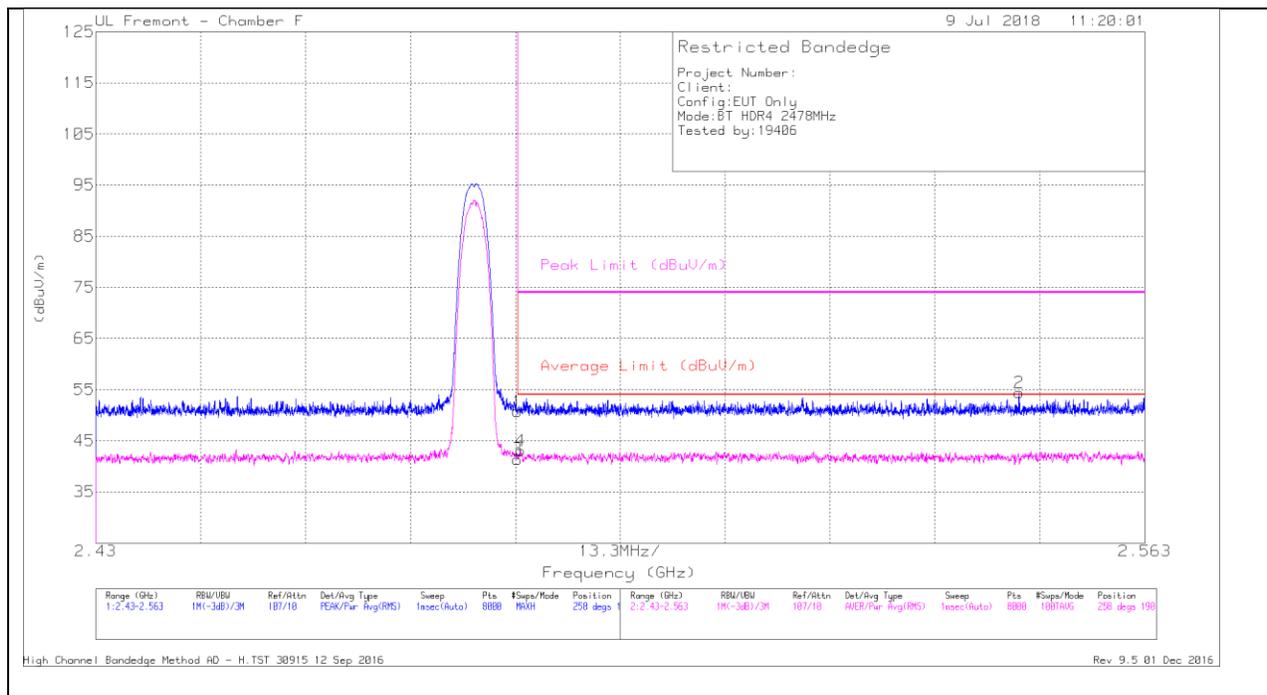
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



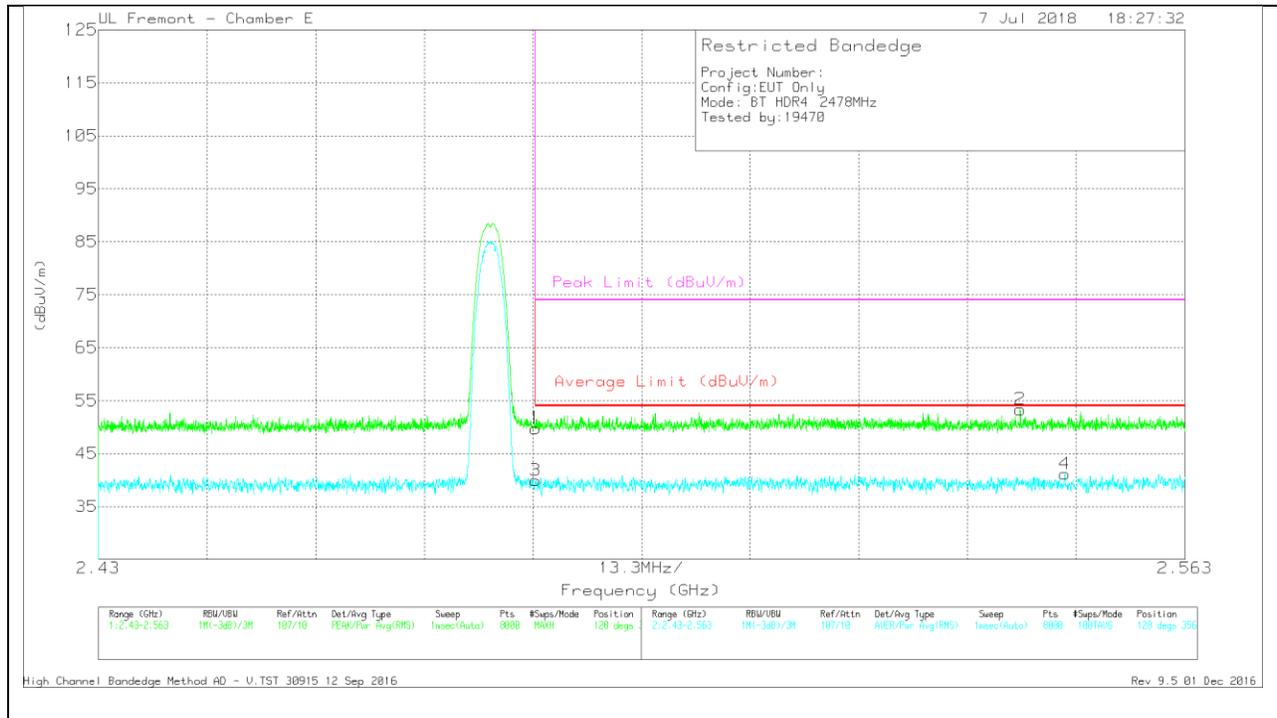
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1	* 2.484	39.04	Pk	32.4	-20.7	50.74	-	-	74	-23.26	258	190	H
2	2.547	42.6	Pk	32.4	-20.6	54.4	-	-	74	-19.6	258	190	H
3	* 2.484	29.66	RMS	32.4	-20.7	41.36	54	-12.64	-	-	258	190	H
4	* 2.484	31.32	RMS	32.4	-20.7	43.02	54	-10.98	-	-	258	190	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	39.95	Pk	32.1	-22.3	49.75	-	-	74	-24.25	128	356	V
3	* 2.484	30.13	RMS	32.1	-22.3	39.93	54	-14.07	-	-	128	356	V
2	2.543	43.63	Pk	32.1	-22.4	53.33	-	-	74	-20.67	128	356	V
4	2.548	31.33	RMS	32.1	-22.3	41.13	54	-12.87	-	-	128	356	V

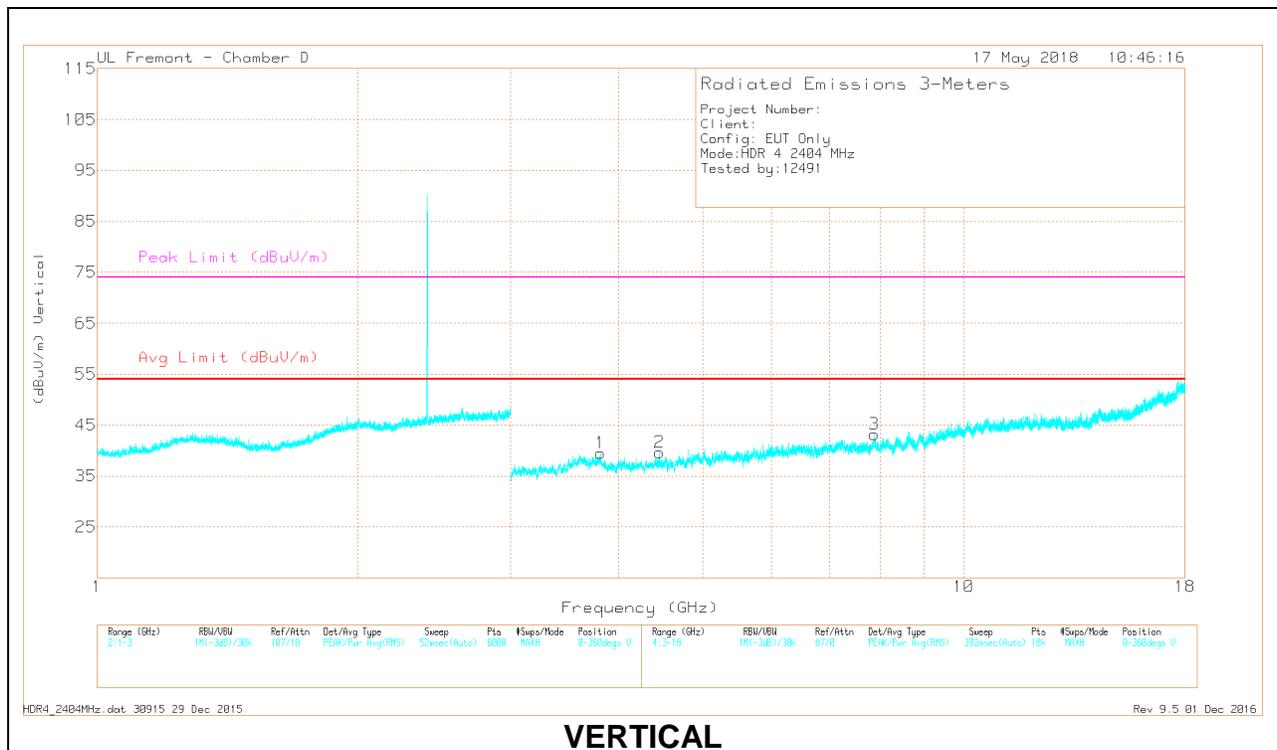
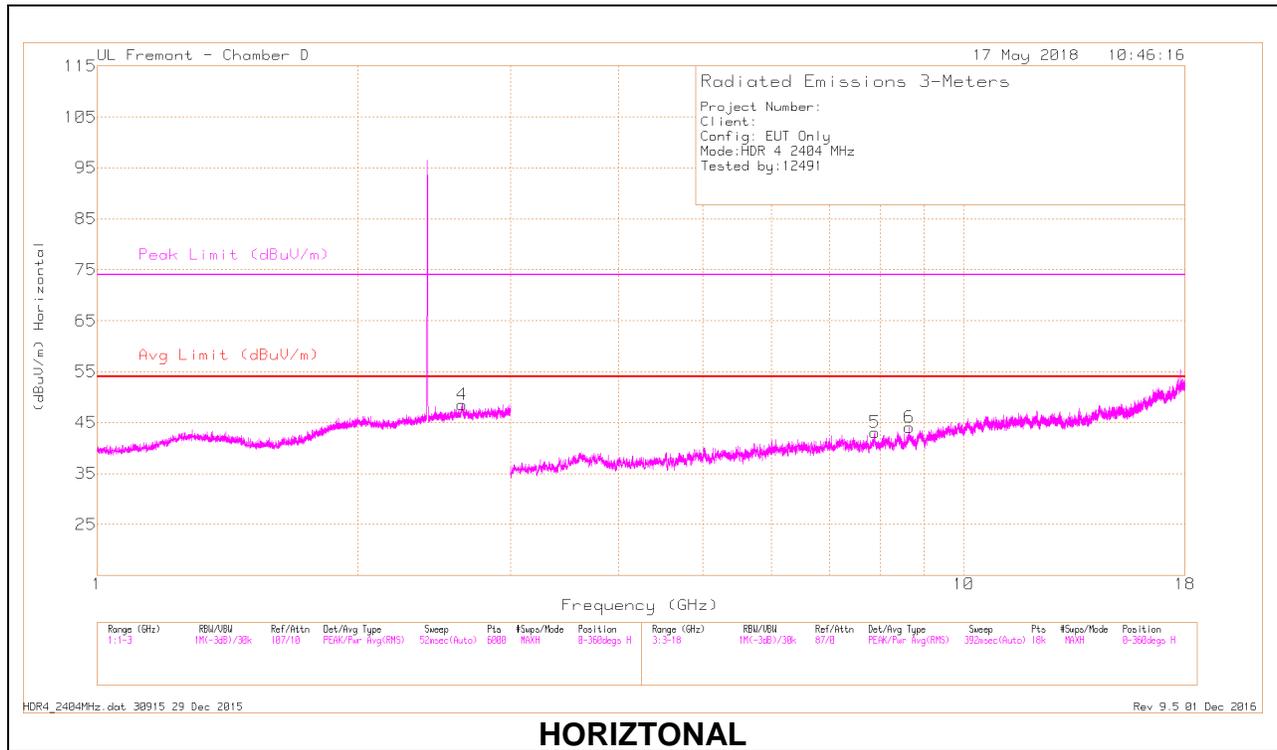
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS

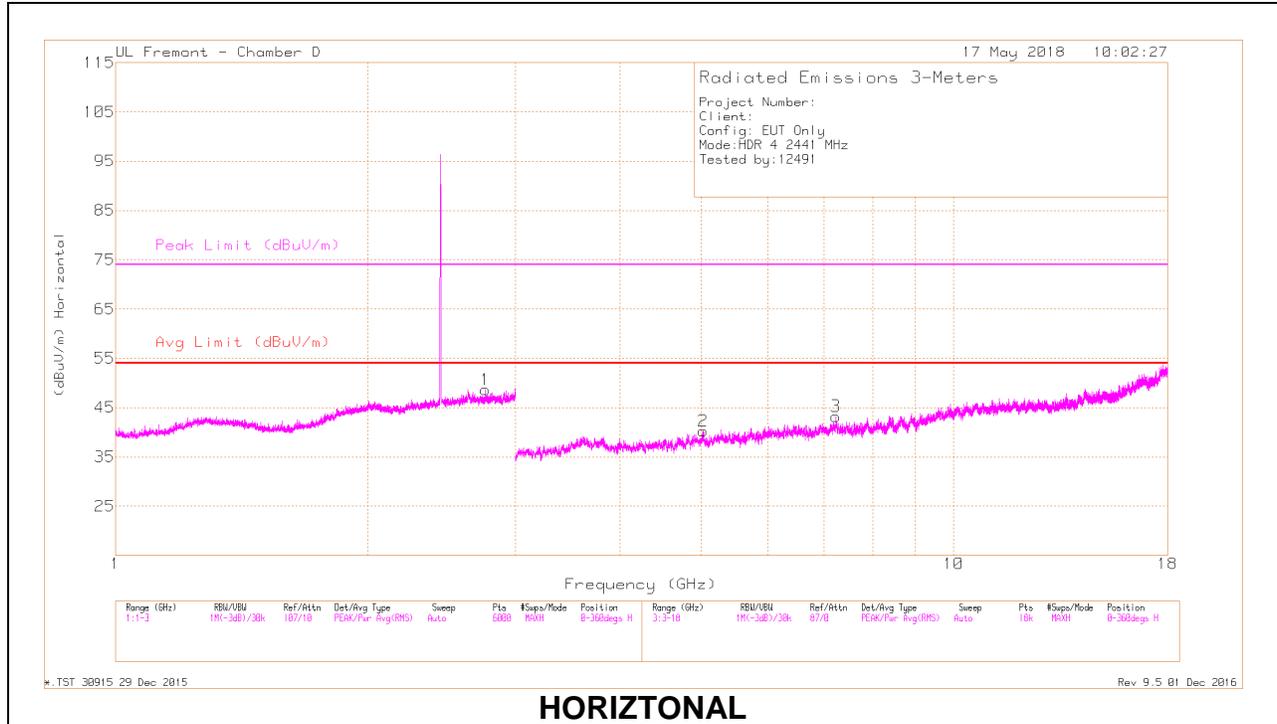


RADIATED EMISSIONS

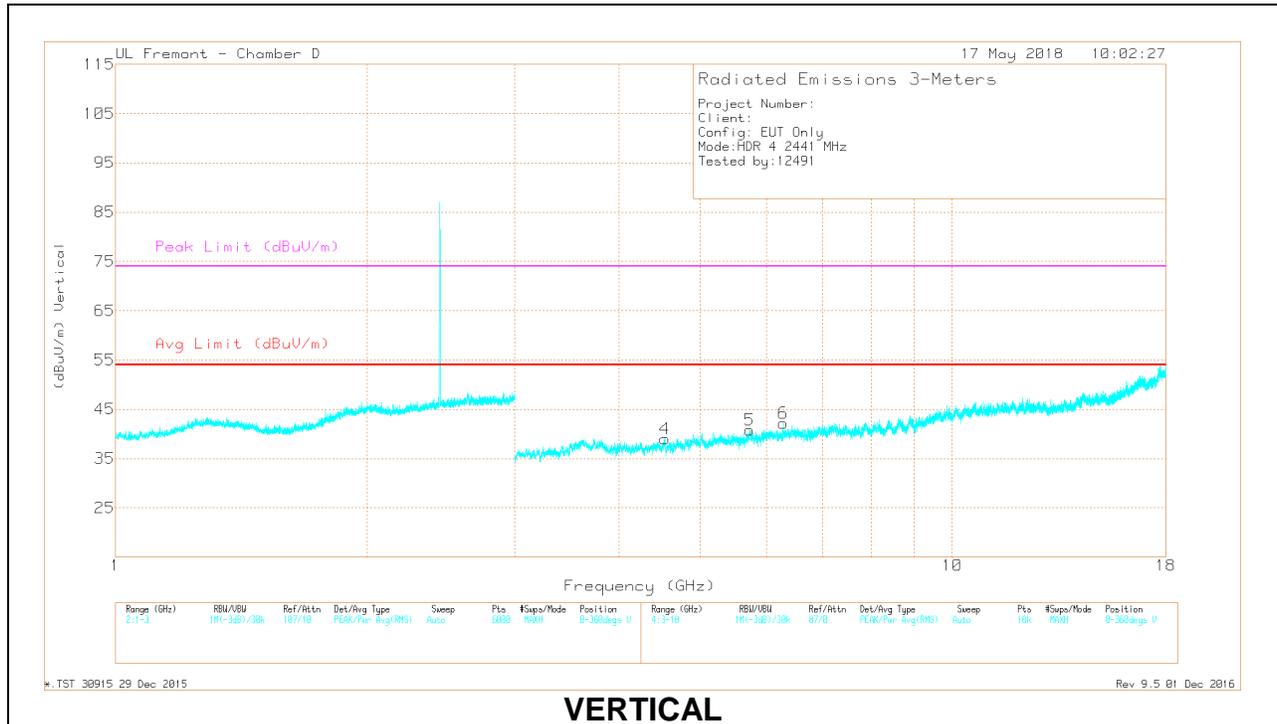
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cb/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.805	37.76	PK2	33.7	-27.2	44.26	-	-	74	-29.74	350	163	V
	* 3.826	27.16	MAv1	33.6	-28.6	32.16	54	-21.84	-	-	350	163	V
4	2.636	41.98	PK2	32.6	-18.6	55.98	-	-	-	-	253	159	H
2	4.438	38.32	PK2	33.7	-28.1	43.92	-	-	-	-	232	214	V
3	7.88	34.82	PK2	35.8	-22.2	48.42	-	-	-	-	130	253	V
5	7.909	35.45	PK2	35.8	-24	47.25	-	-	-	-	166	220	H
6	8.643	34.18	PK2	35.9	-21.1	48.98	-	-	-	-	245	220	H

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

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

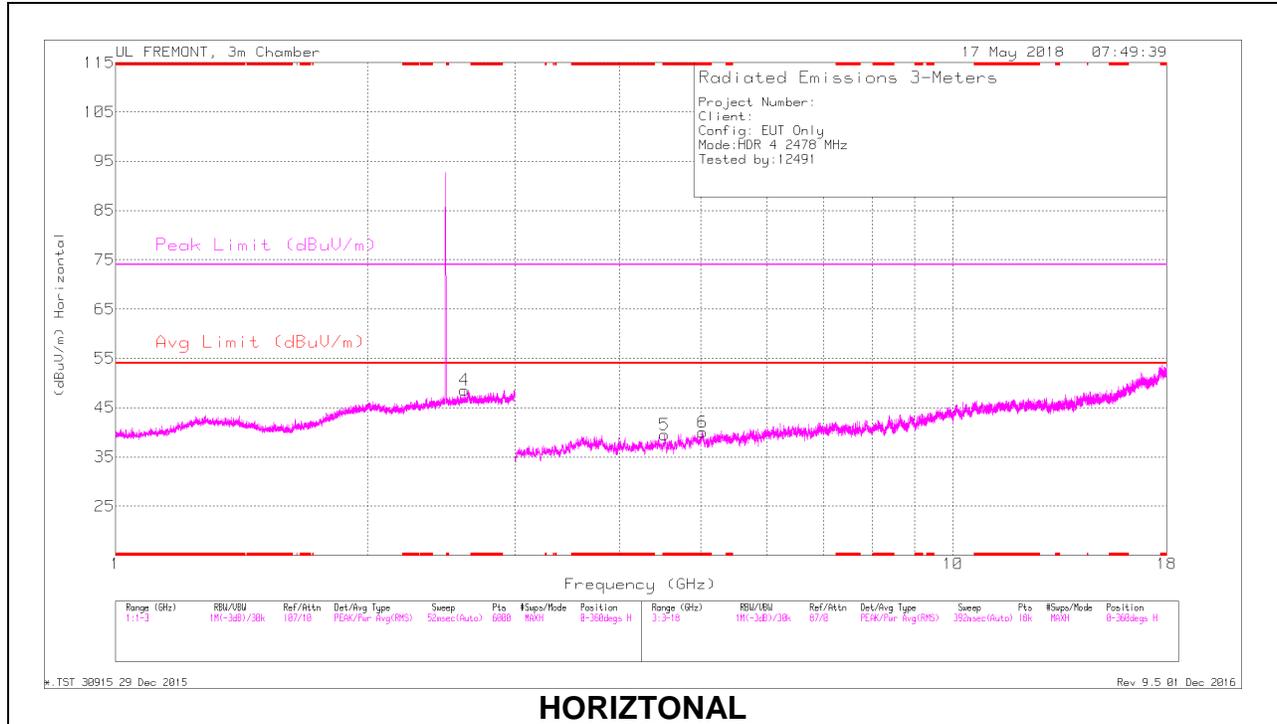
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cb/Fltr/ Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.741	41.59	PK2	32.5	-20.5	53.59	-	-	74	-20.41	208	273	H
	* 2.754	29.94	MAv1	32.5	-20.5	41.94	54	-12.06	-	-	208	273	H
2	* 5.029	37.39	PK2	34.2	-26.5	45.09	-	-	74	-28.91	276	367	H
	* 5.01	25.72	MAv1	34.2	-25.7	34.22	54	-19.78	-	-	276	367	H
4	* 4.54	37.77	PK2	34	-28.3	43.47	-	-	74	-30.53	229	304	V
	* 4.546	26.62	MAv1	34.1	-28.1	32.62	54	-21.38	-	-	229	304	V
5	5.729	37.36	PK2	34.9	-25.7	46.56	-	-	-	-	319	366	V
6	6.271	36.21	PK2	35.5	-25.1	46.61	-	-	-	-	195	366	V
3	7.238	35.23	PK2	35.7	-23.8	47.13	-	-	-	-	323	246	H

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

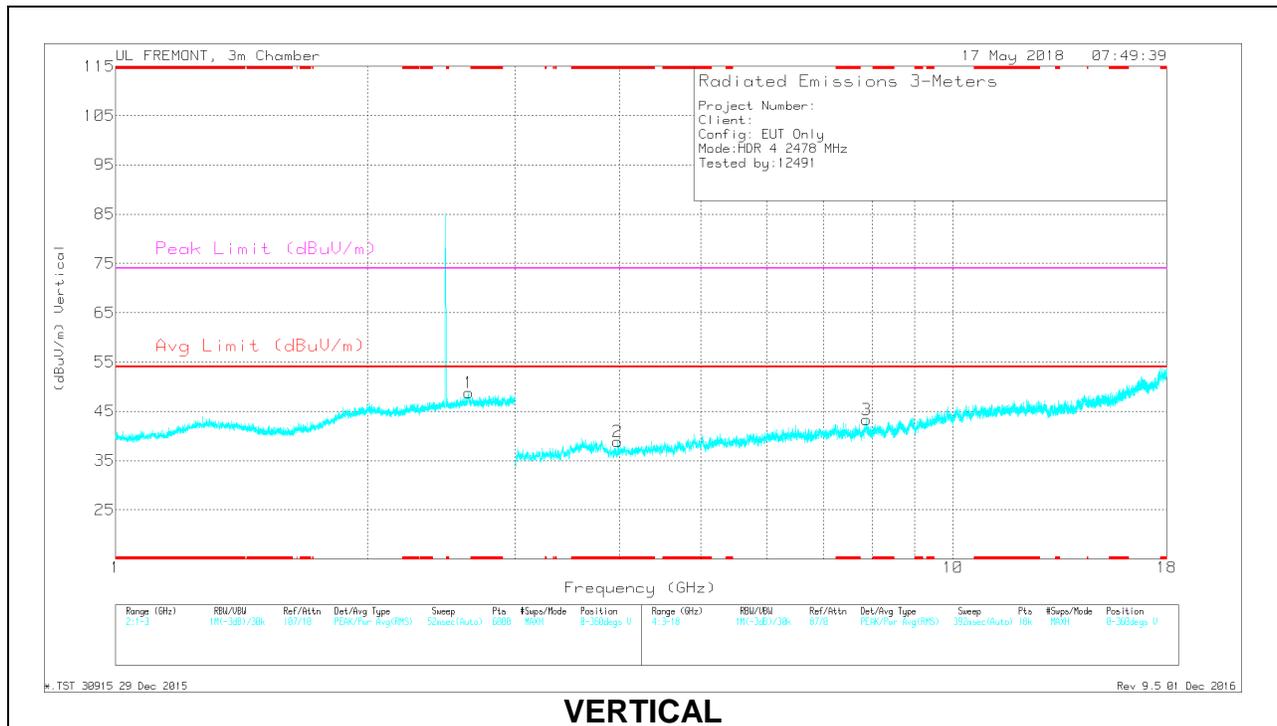
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (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
5	* 4.527	39.55	PK2	34	-27.9	45.65	-	-	74	-28.35	37	320	H
	* 4.524	27.73	MAv1	34	-28.2	33.53	54	-20.47	-	-	37	320	H
6	* 5.023	36.83	PK2	34.2	-24.4	46.63	-	-	74	-27.37	283	198	H
	* 5.024	24.99	MAv1	34.2	-24.8	34.39	54	-19.61	-	-	283	198	H
2	* 3.98	40.52	PK2	33.5	-28.6	45.42	-	-	74	-28.58	121	392	V
	* 3.979	27.81	MAv1	33.5	-28.7	32.61	54	-21.39	-	-	121	392	V
4	2.612	41.02	PK2	32.5	-20.7	52.82	-	-	-	-	125	365	H
1	2.64	40.47	PK2	32.6	-19.2	53.87	-	-	-	-	242	376	V
3	7.887	36.27	PK2	35.8	-22.9	49.17	-	-	-	-	179	202	V

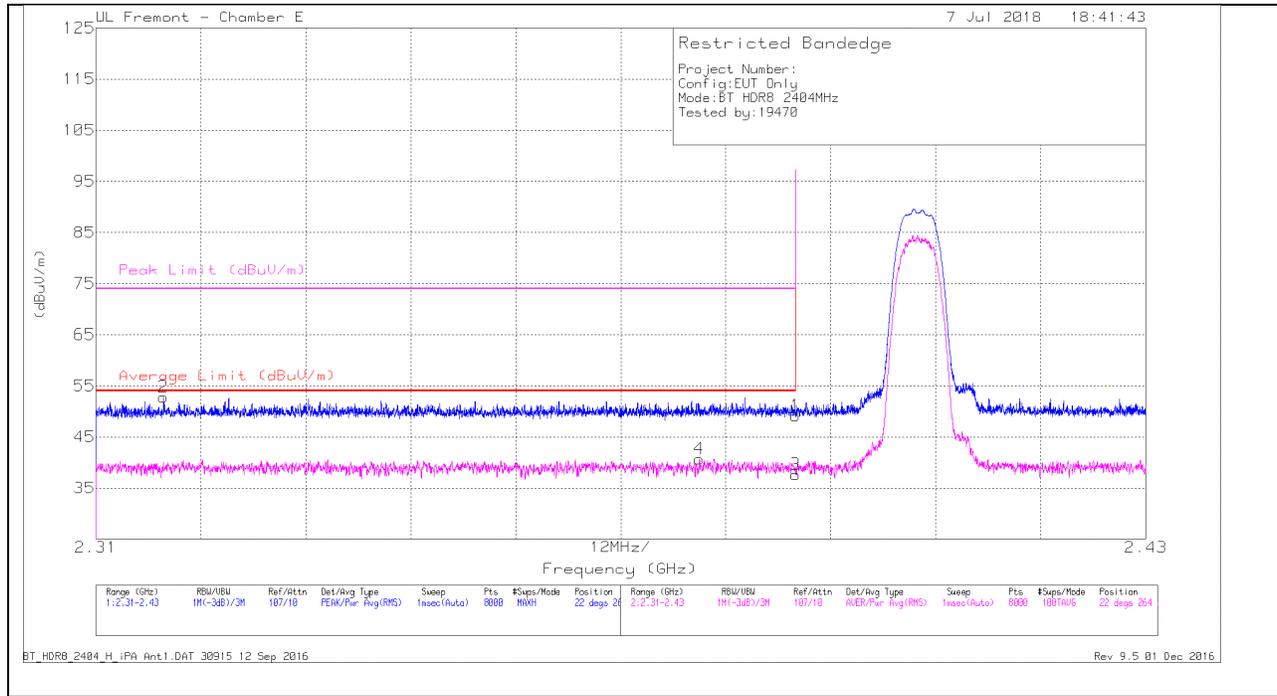
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average

9.2.4. LOW POWER HDR8

Antenna 4

BANDEDGE (LOW CHANNEL)

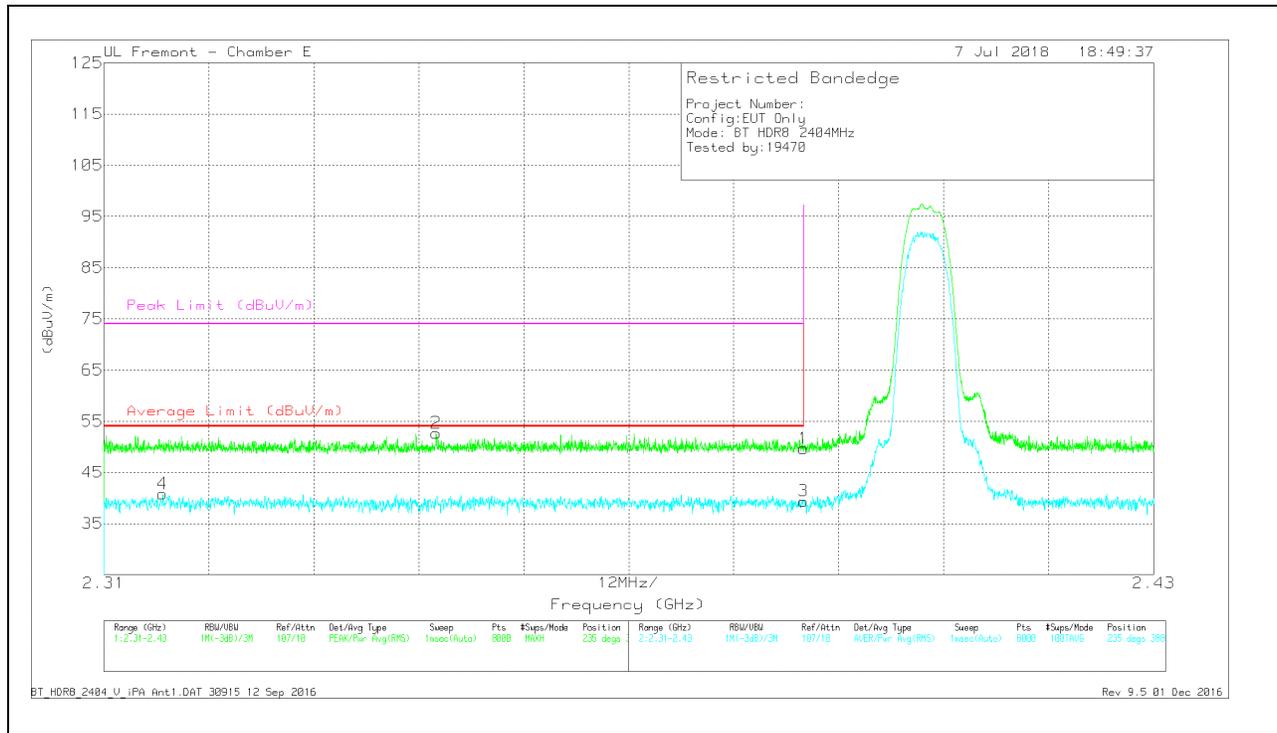
HORIZONTAL RESULT



Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	39.77	Pk	32	-22.6	49.17	-	-	74	-24.83	22	264	H
2	* 2.318	43.79	Pk	31.7	-22.7	52.79	-	-	74	-21.21	22	264	H
3	* 2.39	28.24	RMS	32	-22.6	37.64	54	-16.36	-	-	22	264	H
4	* 2.379	31.42	RMS	31.9	-22.6	40.72	54	-13.28	-	-	22	264	H

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

VERTICAL RESULT

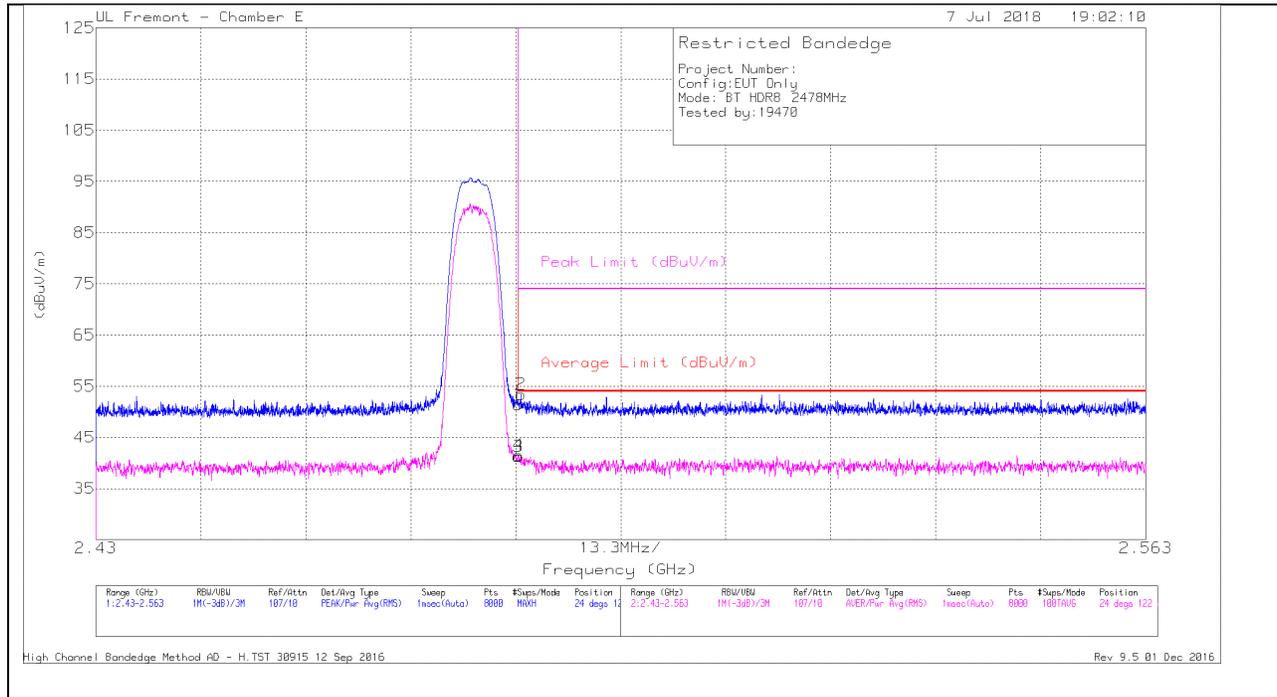


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cb1/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	40.27	Pk	32	-22.6	49.67	-	-	74	-24.33	235	388	V
2	* 2.348	43.57	Pk	31.8	-22.7	52.67	-	-	74	-21.33	235	388	V
3	* 2.39	29.99	RMS	32	-22.6	39.39	54	-14.61	-	-	235	388	V
4	* 2.317	31.82	RMS	31.7	-22.7	40.82	54	-13.18	-	-	235	388	V

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

BANDEDGE (HIGH CHANNEL)

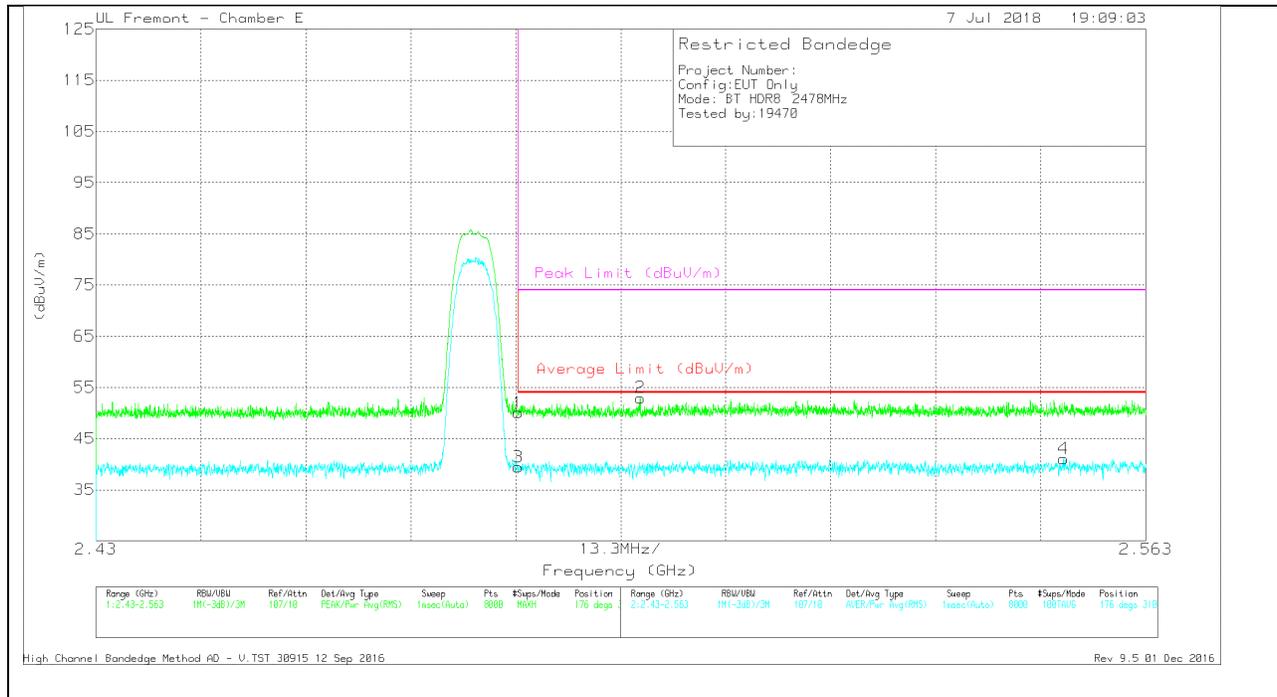
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	41.65	Pk	32.1	-22.3	51.45	-	-	74	-22.55	24	122	H
2	* 2.484	43.63	Pk	32.1	-22.3	53.43	-	-	74	-20.57	24	122	H
3	* 2.484	31.49	RMS	32.1	-22.3	41.29	54	-12.71	-	-	24	122	H
4	* 2.484	31.68	RMS	32.1	-22.3	41.48	54	-12.52	-	-	24	122	H

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

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbi/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.29	Pk	32.1	-22.3	50.09	-	-	74	-23.91	176	310	V
2	* 2.499	43.25	Pk	32.1	-22.4	52.95	-	-	74	-21.05	176	310	V
3	* 2.484	29.65	RMS	32.1	-22.3	39.45	54	-14.55	-	-	176	310	V
4	2.553	31.28	RMS	32.1	-22.3	41.08	54	-12.92	-	-	176	310	V

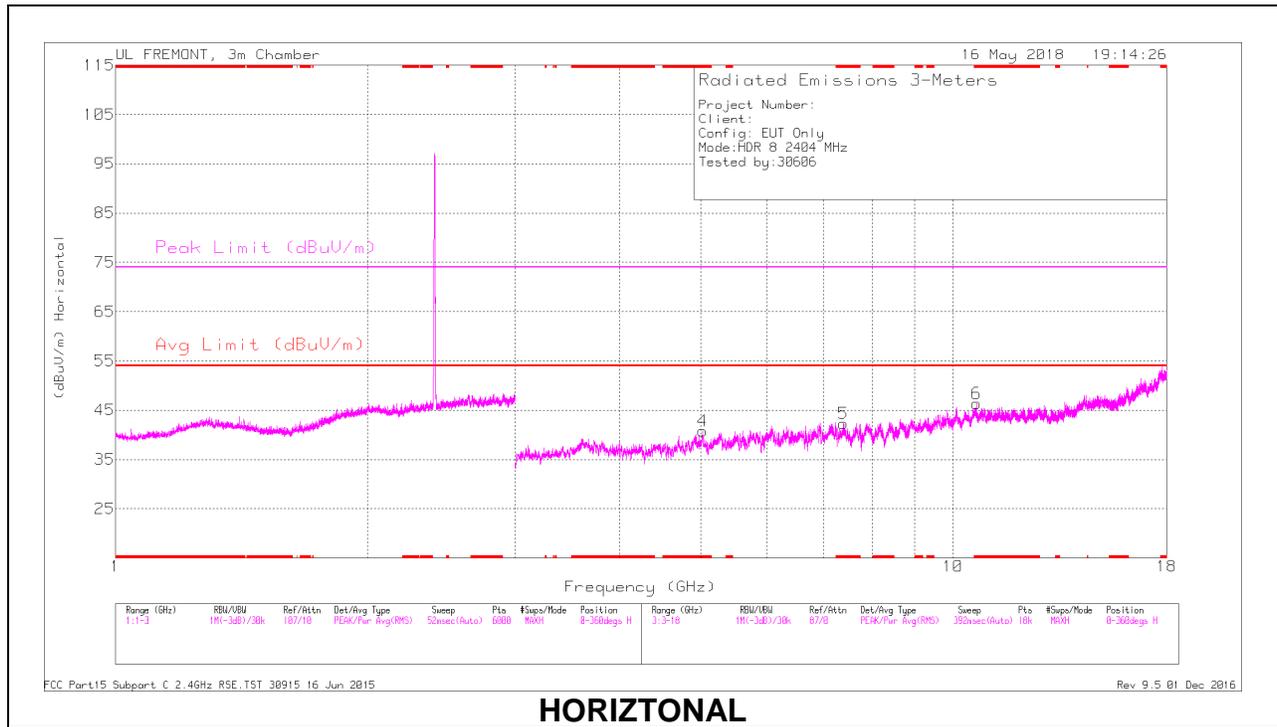
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

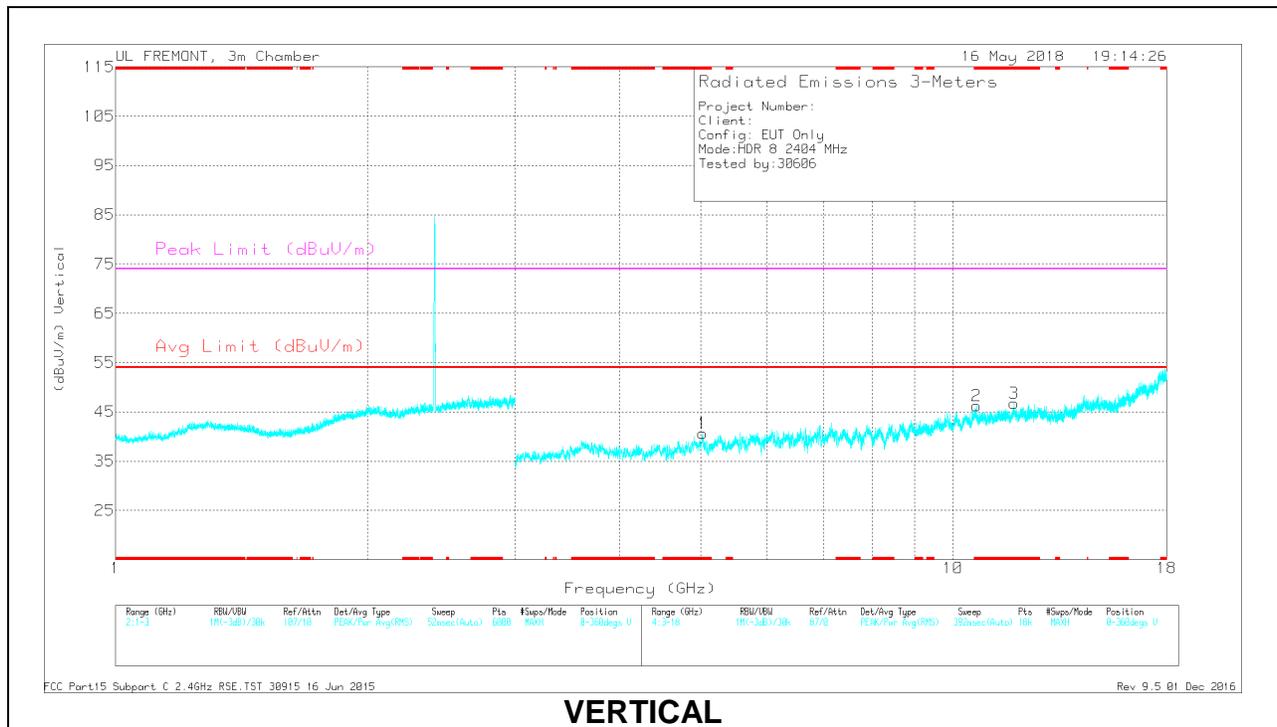
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



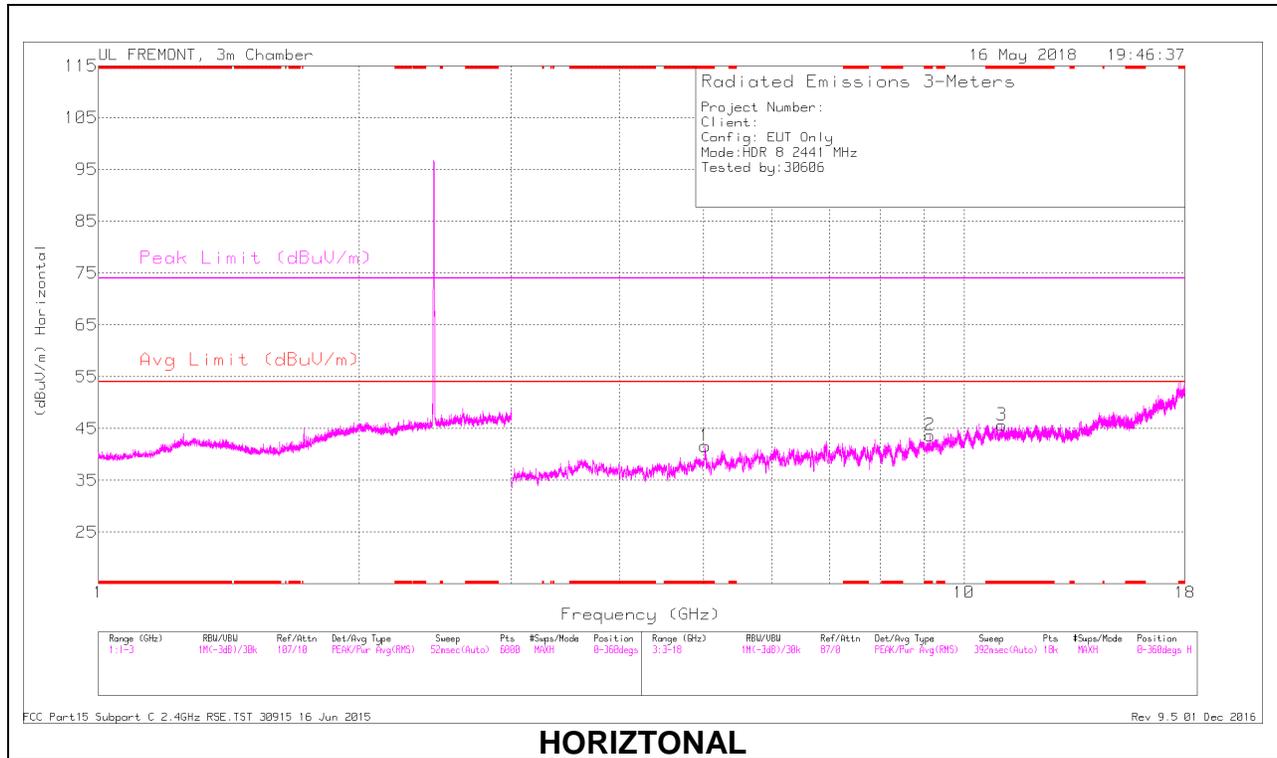
VERTICAL

RADIATED EMISSIONS

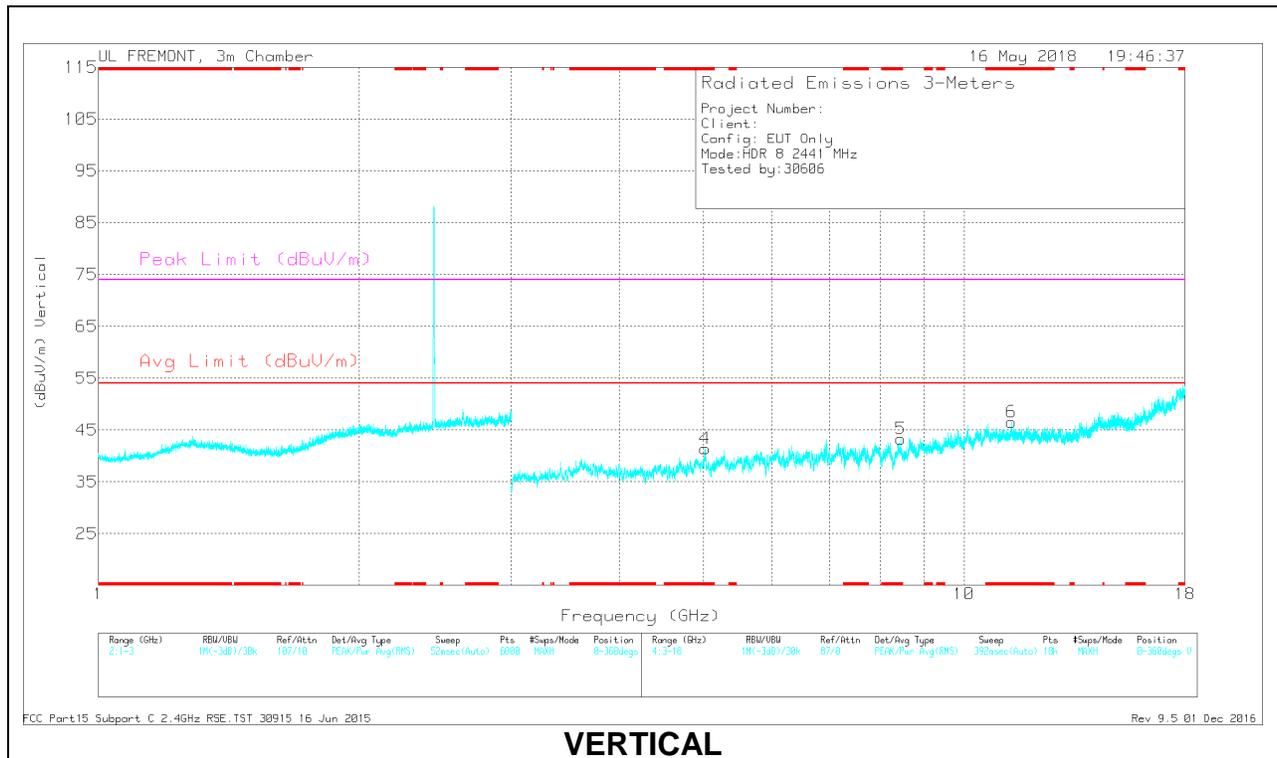
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 5.023	38.51	PK2	34.2	-24.4	48.31	-	-	74	-25.69	86	161	H
	* 5.022	27.34	MAv1	34.2	-24.3	37.24	54	-16.76	-	-	86	161	H
5	* 7.396	36.76	PK2	35.7	-23.7	48.76	-	-	74	-25.24	86	195	H
	* 7.396	25.85	MAv1	35.7	-23.7	37.85	54	-16.15	-	-	86	195	H
6	* 10.661	35.63	PK2	37.8	-20.3	53.13	-	-	74	-20.87	87	147	H
	* 10.662	24.74	MAv1	37.8	-20.4	42.14	54	-11.86	-	-	87	147	H
1	* 5.022	38.64	PK2	34.2	-24.4	48.44	-	-	74	-25.56	195	177	V
	* 5.023	26.65	MAv1	34.2	-24.4	36.45	54	-17.55	-	-	195	177	V
2	* 10.662	36.17	PK2	37.8	-20.3	53.67	-	-	74	-20.33	84	227	V
	* 10.661	24.62	MAv1	37.8	-20.3	42.12	54	-11.88	-	-	84	227	V
3	* 11.83	36.01	PK2	38.9	-21.6	53.31	-	-	74	-20.69	87	180	V
	* 11.829	24.22	MAv1	38.9	-21.6	41.52	54	-12.48	-	-	87	180	V

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

MID CHANNEL RESULTS



HORIZONTAL



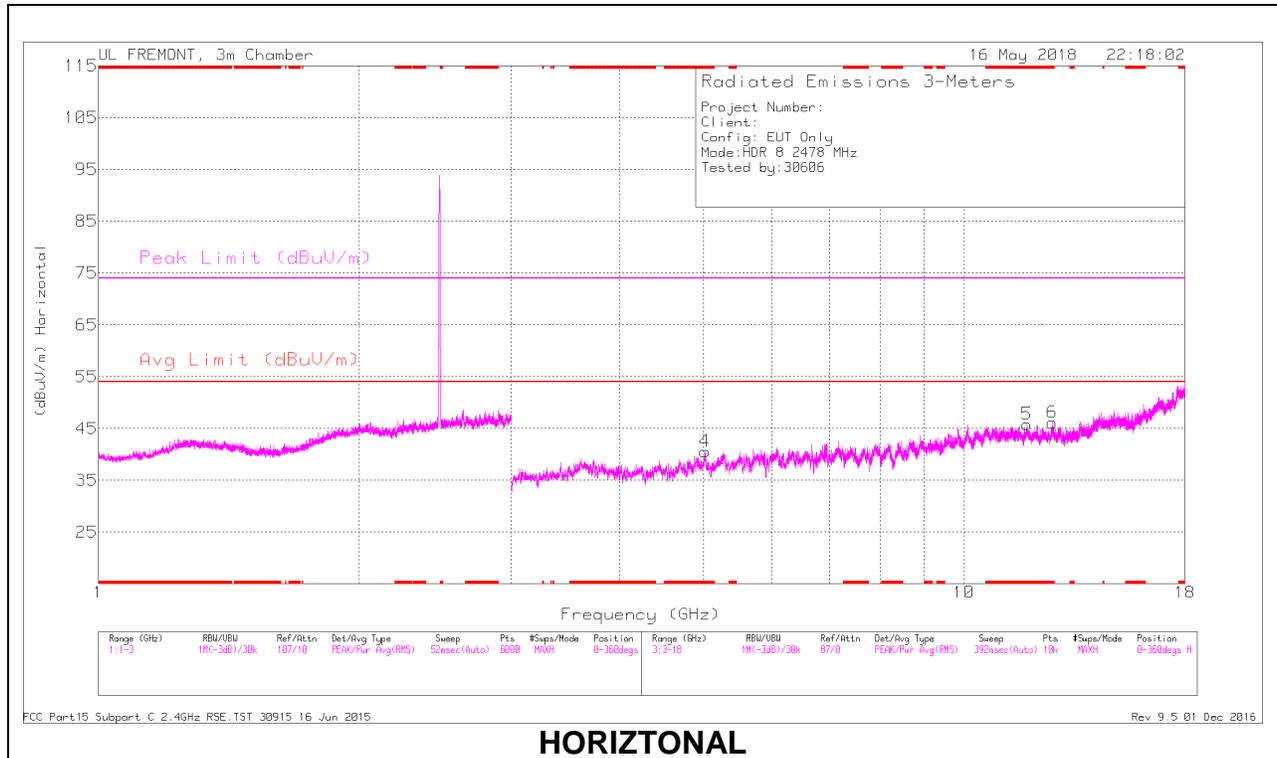
VERTICAL

RADIATED EMISSIONS

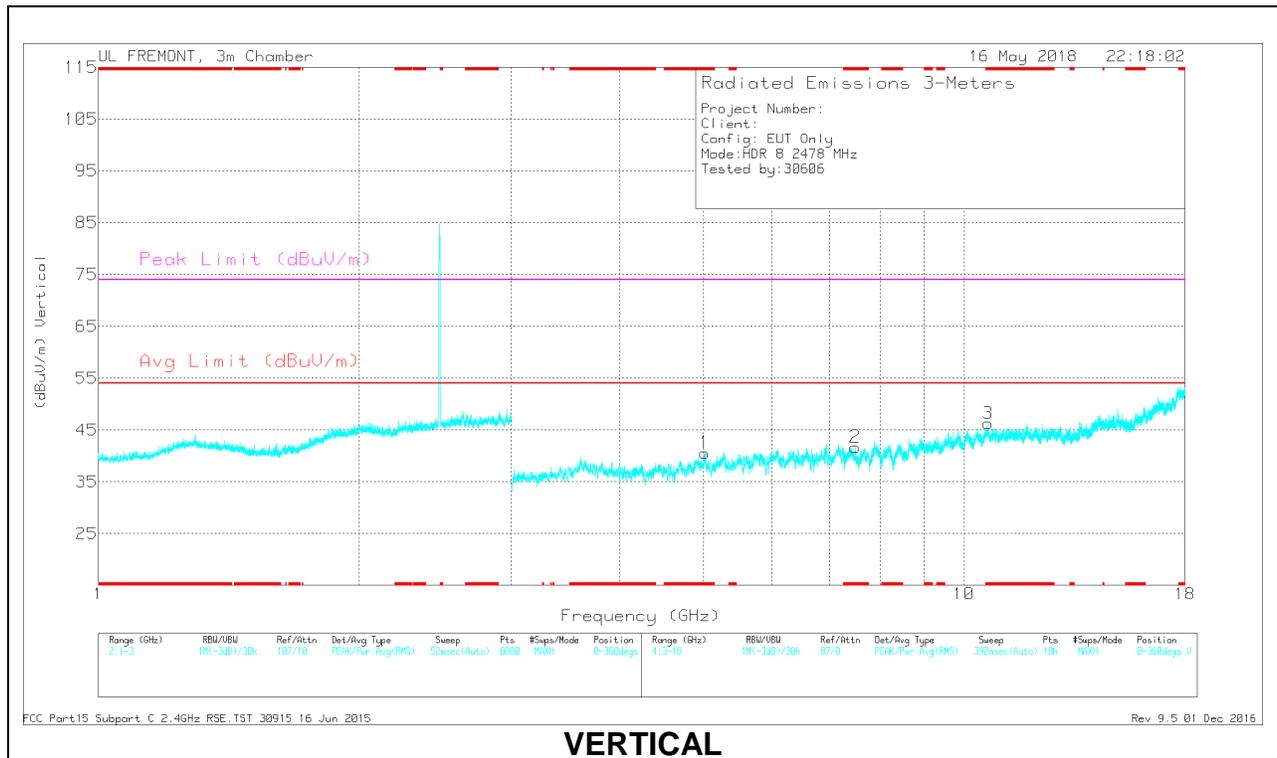
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.021	38.2	PK2	34.2	-24.2	48.2	-	-	74	-25.8	358	179	H
	* 5.022	26.67	MAv1	34.2	-24.4	36.47	54	-17.53	-	-	358	179	H
2	* 9.141	35.08	PK2	36.2	-21.3	49.98	-	-	74	-24.02	84	229	H
	* 9.14	24.02	MAv1	36.2	-21.2	39.02	54	-14.98	-	-	84	229	H
3	* 11.057	34.97	PK2	38.1	-20.8	52.27	-	-	74	-21.73	85	154	H
	* 11.054	23.93	MAv1	38.1	-20.5	41.53	54	-12.47	-	-	85	154	H
4	* 5.024	39.04	PK2	34.2	-24.9	48.34	-	-	74	-25.66	86	149	V
	* 5.024	27.42	MAv1	34.2	-24.9	36.72	54	-17.28	-	-	86	149	V
5	* 8.451	36.29	PK2	35.8	-22.2	49.89	-	-	74	-24.11	85	137	V
	* 8.451	25.14	MAv1	35.8	-22.3	38.64	54	-15.36	-	-	85	137	V
6	* 11.344	34.99	PK2	38.3	-21.3	51.99	-	-	74	-22.01	87	146	V
	* 11.345	24.42	MAv1	38.3	-21.2	41.52	54	-12.48	-	-	87	146	V

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

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

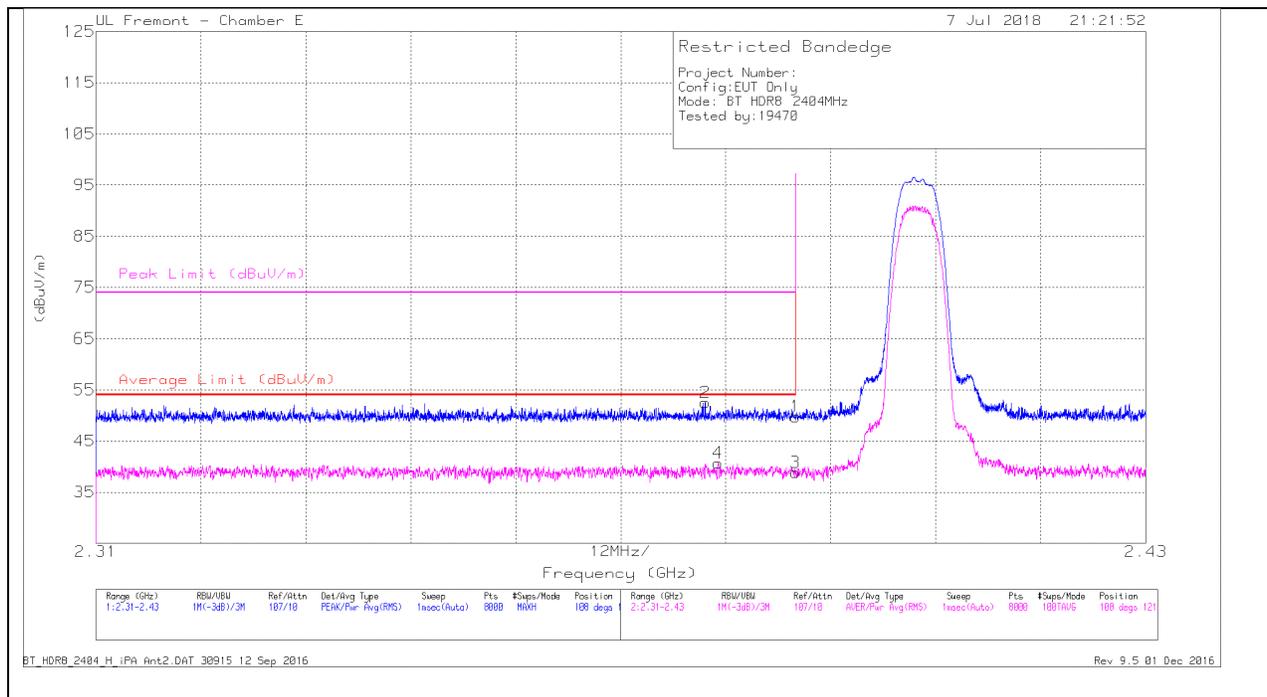
Maker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fitr/Pa d (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 5.022	38.82	PK2	34.2	-24.3	48.72	-	-	74	-25.28	266	173	H
	* 5.024	26.89	MAv1	34.2	-24.7	36.39	54	-17.61	-	-	266	173	H
5	* 11.821	34.39	PK2	38.9	-21.8	51.49	-	-	74	-22.51	111	156	H
	* 11.82	23.48	MAv1	38.9	-21.8	40.58	54	-13.42	-	-	111	156	H
6	* 12.65	34.69	PK2	39.3	-22.1	51.89	-	-	74	-22.11	126	152	H
	* 12.648	23.38	MAv1	39.3	-22.1	40.58	54	-13.42	-	-	126	152	H
1	* 5.019	33.79	PK2	34.2	-24.3	43.69	-	-	74	-30.31	173	205	V
	* 5.018	21.77	MAv1	34.2	-24.4	31.57	54	-22.43	-	-	173	205	V
2	* 7.49	37	PK2	35.7	-23.9	48.8	-	-	74	-25.2	188	371	V
	* 7.49	25.55	MAv1	35.7	-24	37.25	54	-16.75	-	-	188	371	V
3	* 10.659	34.17	PK2	37.8	-20.4	51.57	-	-	74	-22.43	198	122	V
	* 10.658	22.89	MAv1	37.8	-20.4	40.29	54	-13.71	-	-	198	122	V

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

Antenna 3

BANEDGE (LOW CHANNEL)

HORIZONTAL RESULT



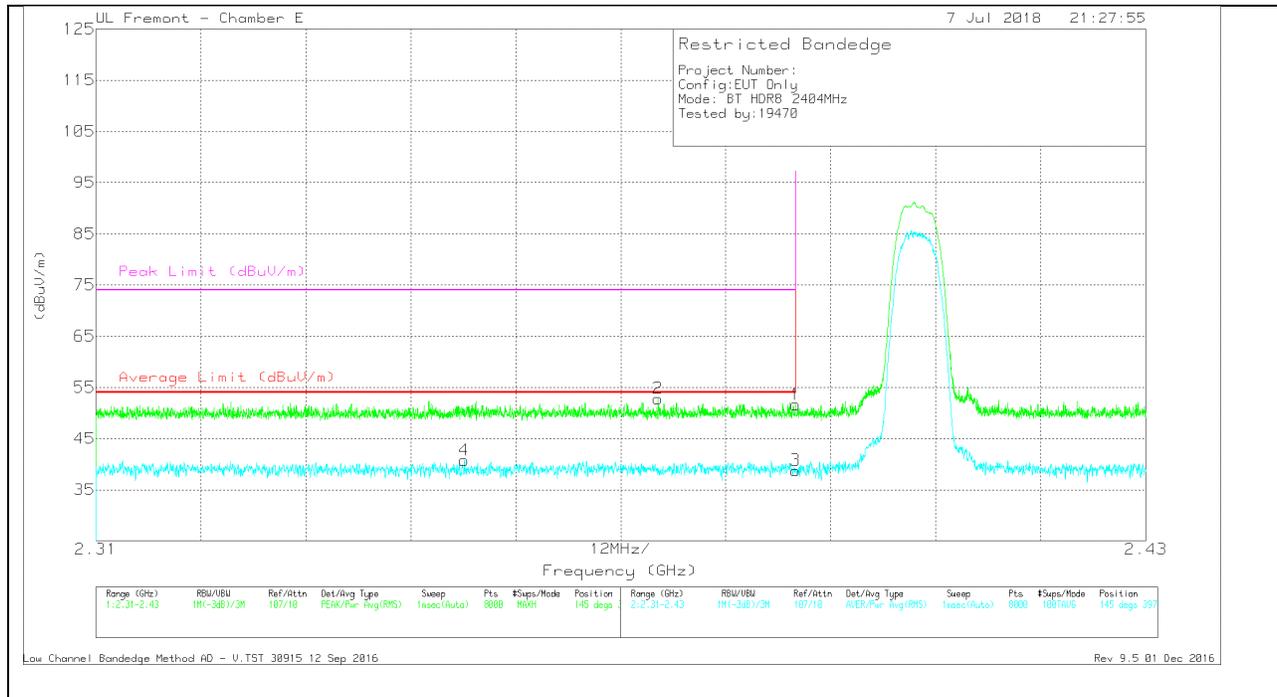
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1	* 2.39	40.39	Pk	32	-22.6	49.79	-	-	74	-24.21	108	121	H
2	* 2.38	43.23	Pk	31.9	-22.6	52.53	-	-	74	-21.47	108	121	H
3	* 2.39	29.43	RMS	32	-22.6	38.83	54	-15.17	-	-	108	121	H
4	* 2.381	31.39	RMS	31.9	-22.6	40.69	54	-13.31	-	-	108	121	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbi/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	42.23	Pk	32	-22.6	51.63	-	-	74	-22.37	145	397	V
2	* 2.374	43.63	Pk	31.9	-22.7	52.83	-	-	74	-21.17	145	397	V
3	* 2.39	29.37	RMS	32	-22.6	38.77	54	-15.23	-	-	145	397	V
4	* 2.352	31.66	RMS	31.8	-22.7	40.76	54	-13.24	-	-	145	397	V

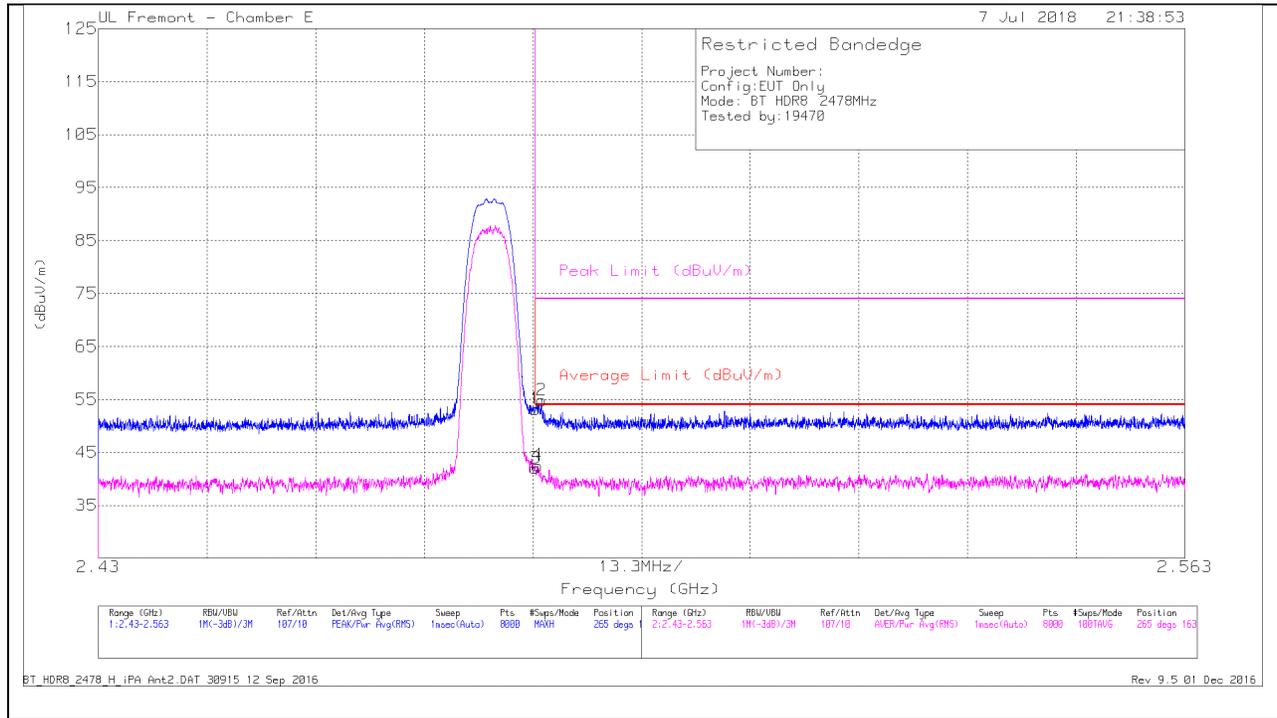
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

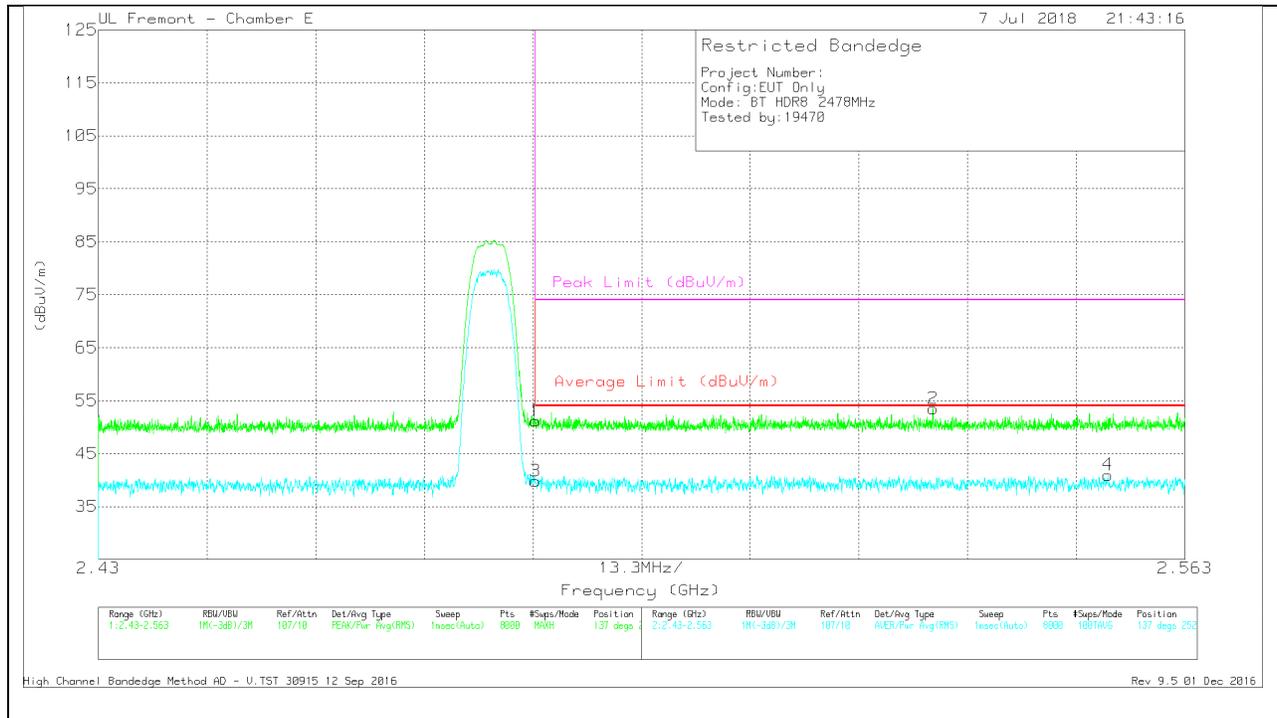
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/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	43.42	Pk	32.1	-22.3	53.22	-	-	74	-20.78	265	163	H
2	* 2.484	45.01	PK	32.1	-22.3	54.81	-	-	74	-19.19	265	163	H
3	* 2.484	32.22	RMS	32.1	-22.3	42.02	54	-11.98	-	-	265	163	H
4	* 2.484	32.74	RMS	32.1	-22.3	42.54	54	-11.46	-	-	265	163	H

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

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	41.39	Pk	32.1	-22.3	51.19	-	-	74	-22.81	137	252	V
3	* 2.484	30.01	RMS	32.1	-22.3	39.81	54	-14.19	-	-	137	252	V
2	2.532	43.67	Pk	32.1	-22.3	53.47	-	-	74	-20.53	137	252	V
4	2.554	31.17	RMS	32.1	-22.3	40.97	54	-13.03	-	-	137	252	V

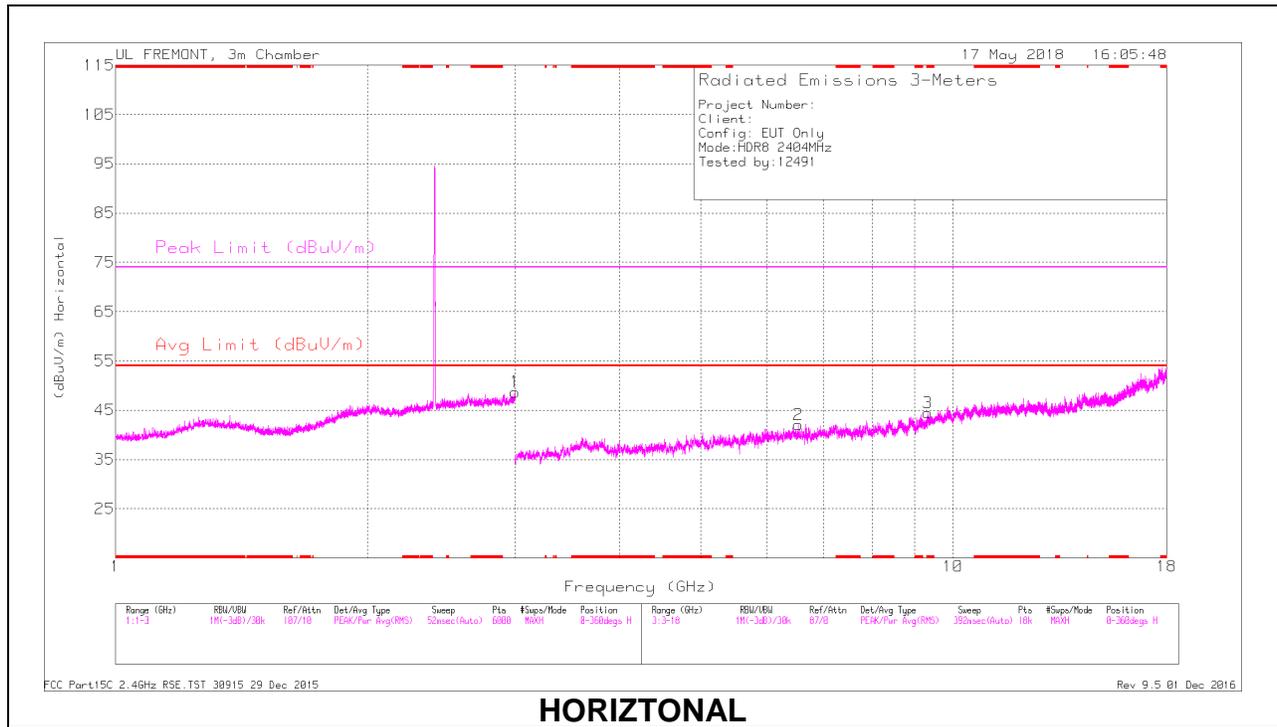
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

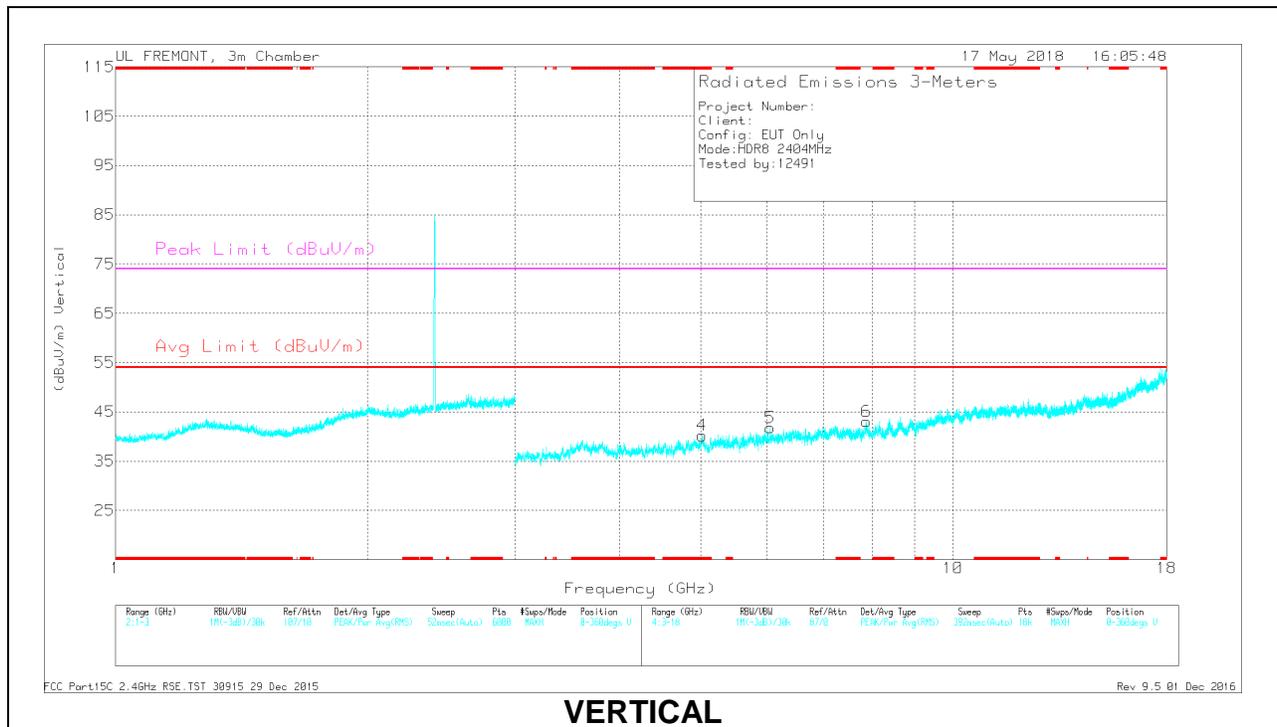
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



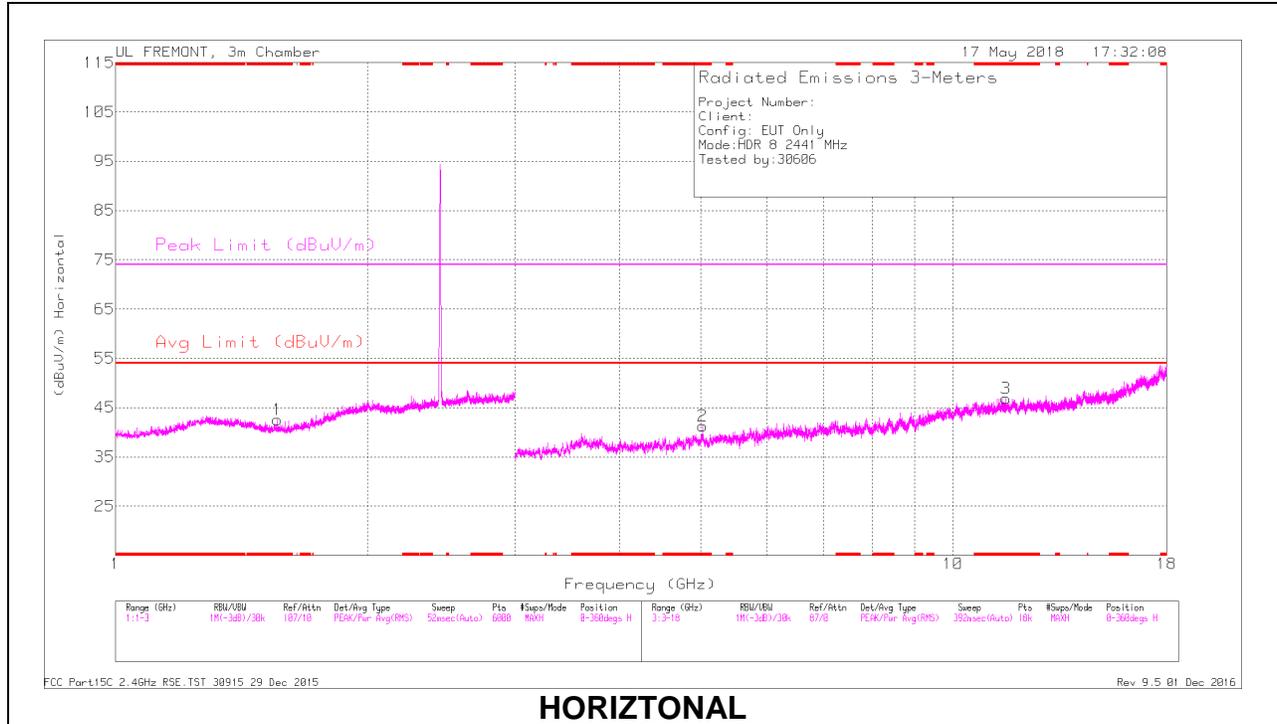
VERTICAL

RADIATED EMISSIONS

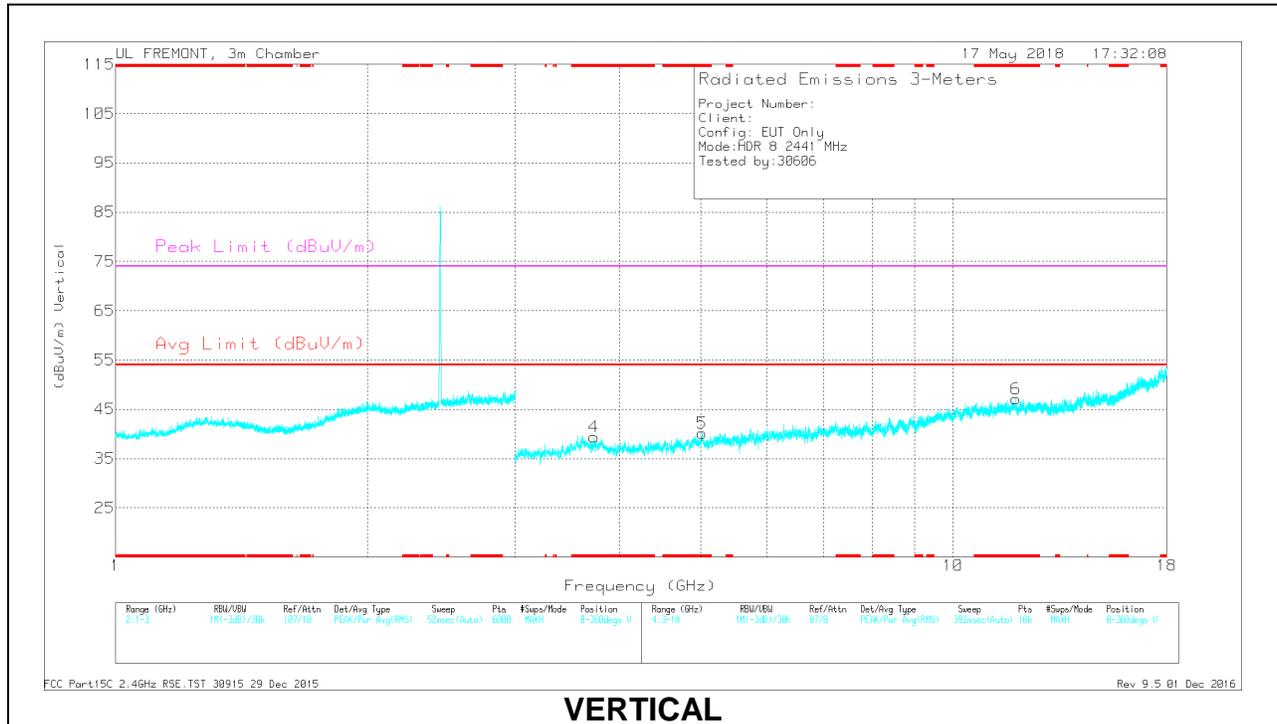
Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cb/Fitr/P ad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* 9.33	34.81	PK2	36.5	-21.2	50.11	-	-	74	-23.89	305	189	H
	* 9.327	22.74	MAv1	36.5	-21.3	37.94	54	-16.06	-	-	305	189	H
4	* 5.018	36.25	PK2	34.2	-24.5	45.95	-	-	74	-28.05	343	202	V
	* 5.02	24.66	MAv1	34.2	-24.3	34.56	54	-19.44	-	-	343	202	V
1	2.999	40.56	PK2	33.1	-19.2	54.46	-	-	-	-	332	175	H
5	6.051	38.14	PK2	35.4	-26.5	47.04	-	-	-	-	62	100	V
2	6.534	36.49	PK2	35.7	-24.8	47.39	-	-	-	-	58	140	H
6	7.889	36.3	PK2	35.8	-22.8	49.3	-	-	-	-	110	219	V

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

MID CHANNEL RESULTS



HORIZONTAL



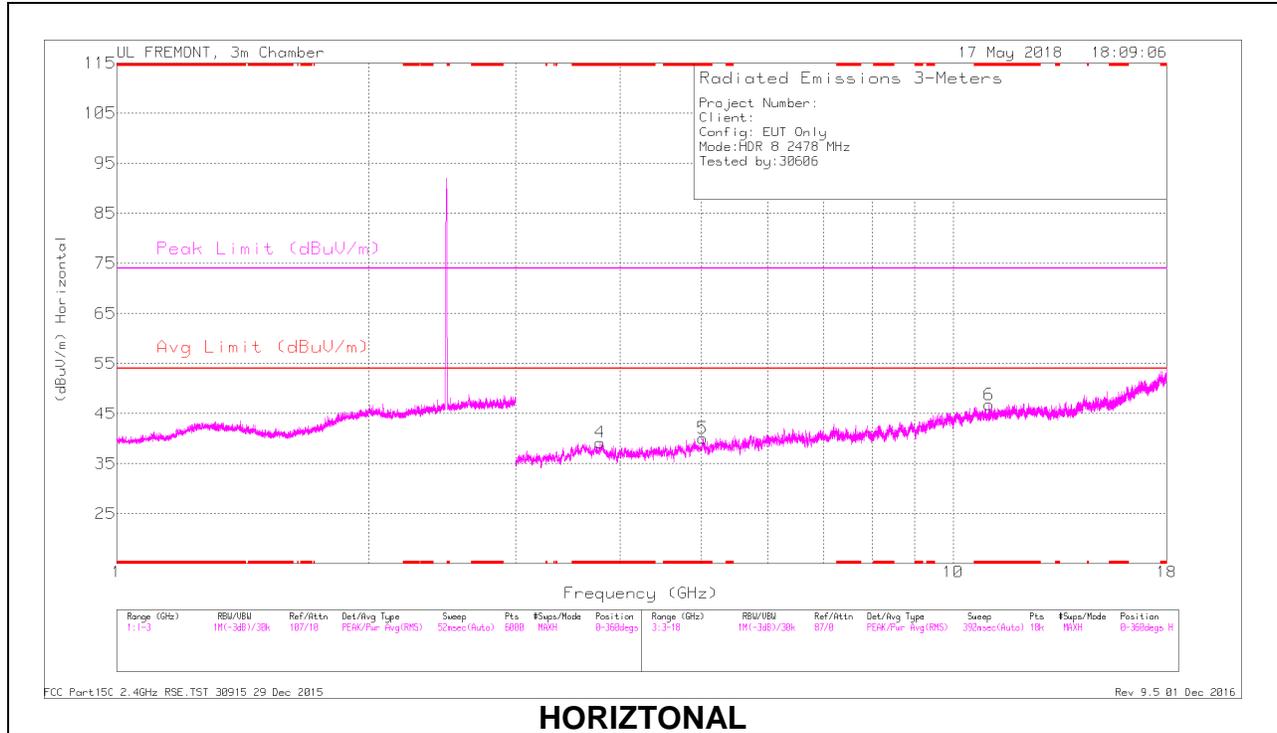
VERTICAL

RADIATED EMISSIONS

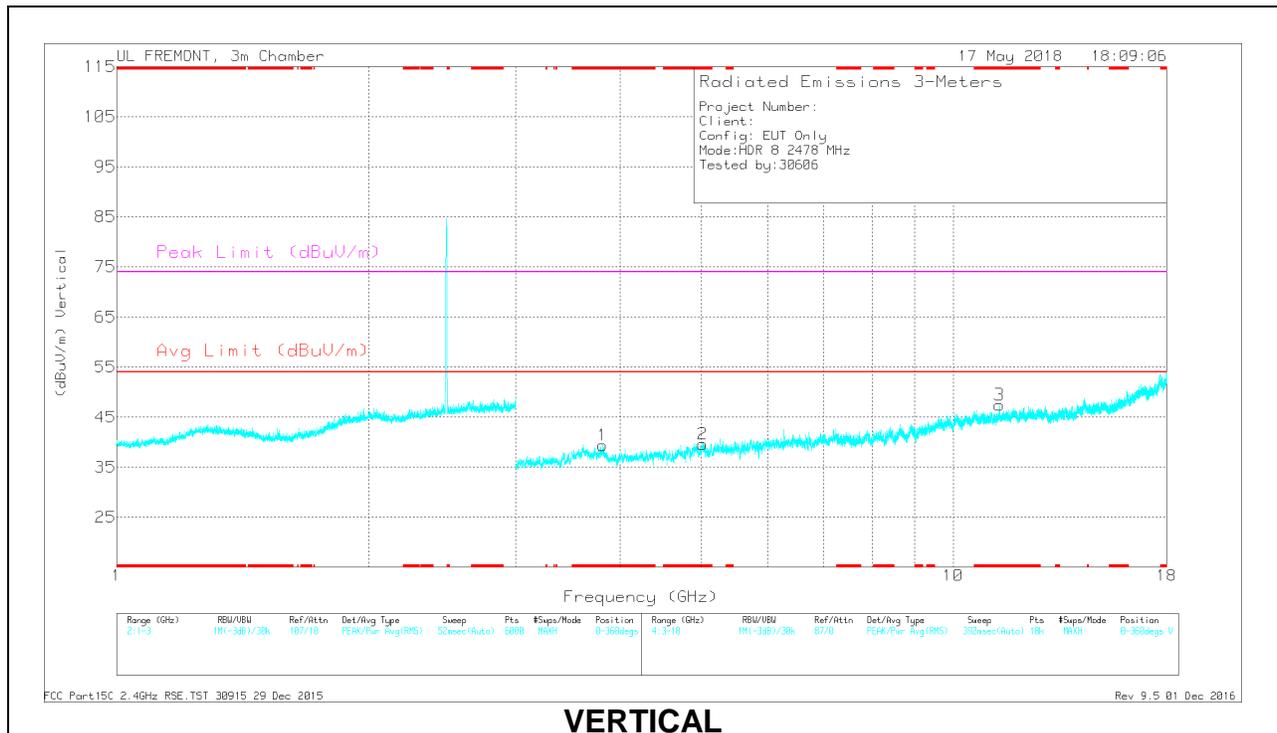
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cb/Fltr/ Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.561	42.59	PK2	28	-21.5	49.09	-	-	74	-24.91	129	399	H
	* 1.561	30.38	MAv1	28	-21.5	36.88	54	-17.12	-	-	129	399	H
2	* 5.022	37.41	PK2	34.2	-24.4	47.21	-	-	74	-26.79	313	187	H
	* 5.022	26	MAv1	34.2	-24.3	35.9	54	-18.1	-	-	313	187	H
3	* 11.572	36.21	PK2	38.7	-20.9	54.01	-	-	74	-19.99	138	162	H
	* 11.571	24.06	MAv1	38.7	-20.9	41.86	54	-12.14	-	-	138	162	H
4	* 3.727	40.23	PK2	34	-27.3	46.93	-	-	74	-27.07	81	285	V
	* 3.727	27.86	MAv1	34	-27.3	34.56	54	-19.44	-	-	81	285	V
5	* 5.018	37.71	PK2	34.2	-24.5	47.41	-	-	74	-26.59	315	321	V
	* 5.02	26.01	MAv1	34.2	-24.2	36.01	54	-17.99	-	-	315	321	V
6	* 11.898	36.42	PK2	39	-21.7	53.72	-	-	74	-20.28	356	308	V
	* 11.897	24.49	MAv1	39	-21.8	41.69	54	-12.31	-	-	356	308	V

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

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cb/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	* 3.783	40.67	PK2	33.8	-27.5	46.97	-	-	74	-27.03	204	209	H
	* 3.786	28.61	MAv1	33.8	-28	34.41	54	-19.59	-	-	204	209	H
5	* 5.02	37.52	PK2	34.2	-24.2	47.52	-	-	74	-26.48	113	307	H
	* 5.02	25.98	MAv1	34.2	-24.2	35.98	54	-18.02	-	-	113	307	H
6	* 11.043	35.38	PK2	38.1	-20.9	52.58	-	-	74	-21.42	354	123	H
	* 11.047	23.73	MAv1	38.1	-20.6	41.23	54	-12.77	-	-	354	123	H
1	* 3.812	40.83	PK2	33.7	-26.9	47.63	-	-	74	-26.37	151	226	V
	* 3.812	28.32	MAv1	33.7	-26.9	35.12	54	-18.88	-	-	151	226	V
2	* 5.016	37.37	PK2	34.2	-24.7	46.87	-	-	74	-27.13	109	175	V
	* 5.016	25.75	MAv1	34.2	-24.7	35.25	54	-18.75	-	-	109	175	V
3	* 11.355	36.63	PK2	38.3	-21.2	53.73	-	-	74	-20.27	258	207	V
	* 11.358	24.52	MAv1	38.3	-21.3	41.52	54	-12.48	-	-	258	207	V

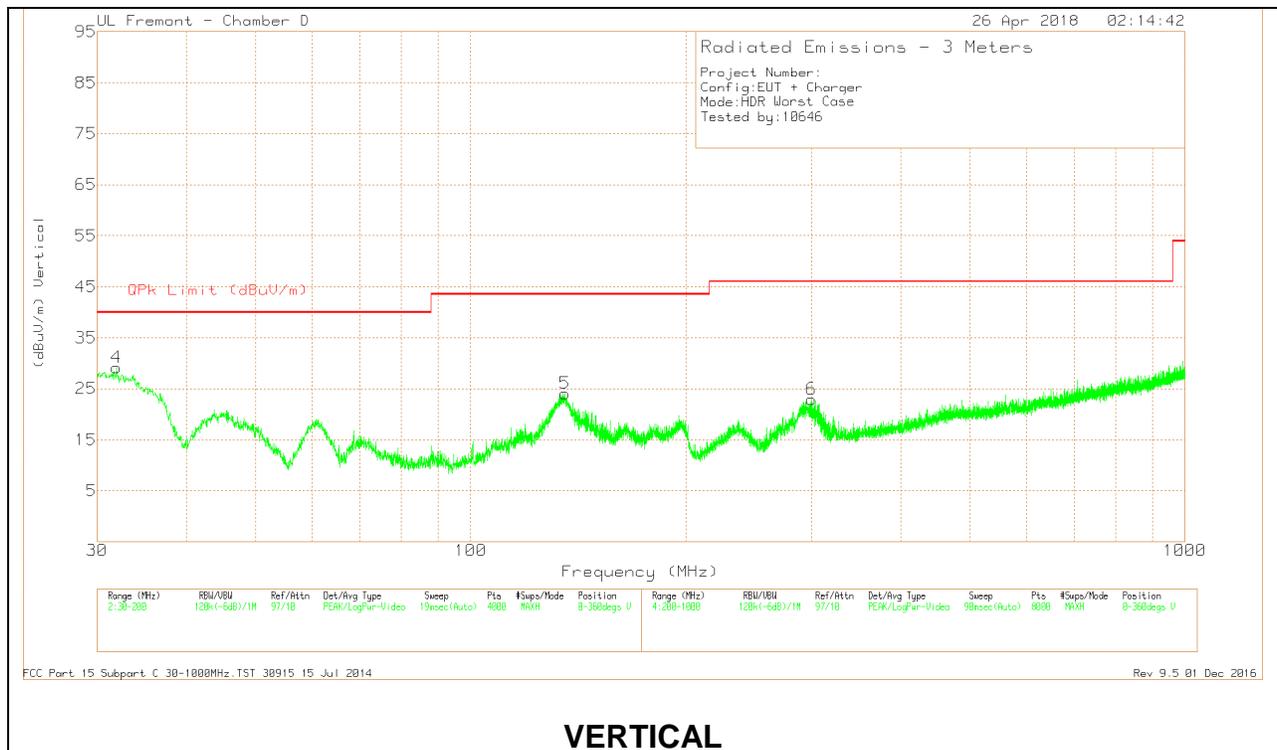
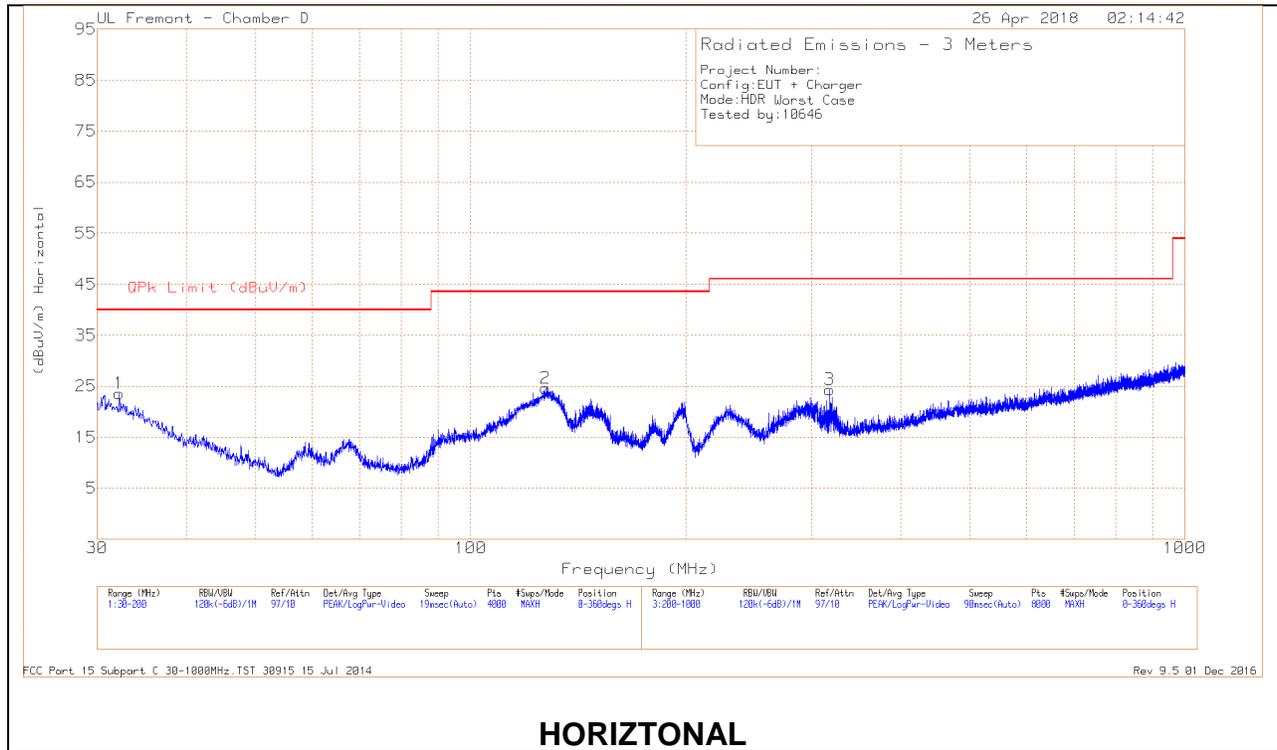
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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
2	* 127.3502	37.52	Pk	18.3	-31.2	24.62	43.52	-18.9	0-360	199	H
5	* 135.4698	37.32	Pk	17.9	-31.1	24.12	43.52	-19.4	0-360	100	V
4	31.9555	36.2	Pk	24.9	-31.9	29.2	40	-10.8	0-360	100	V
1	32.2106	30.85	Pk	24.6	-31.9	23.55	40	-16.45	0-360	99	H
6	299.813	35.48	Pk	17.8	-30.3	22.98	46.02	-23.04	0-360	101	V
3	318.0153	36.29	Pk	18.3	-30.3	24.29	46.02	-21.73	0-360	100	H

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

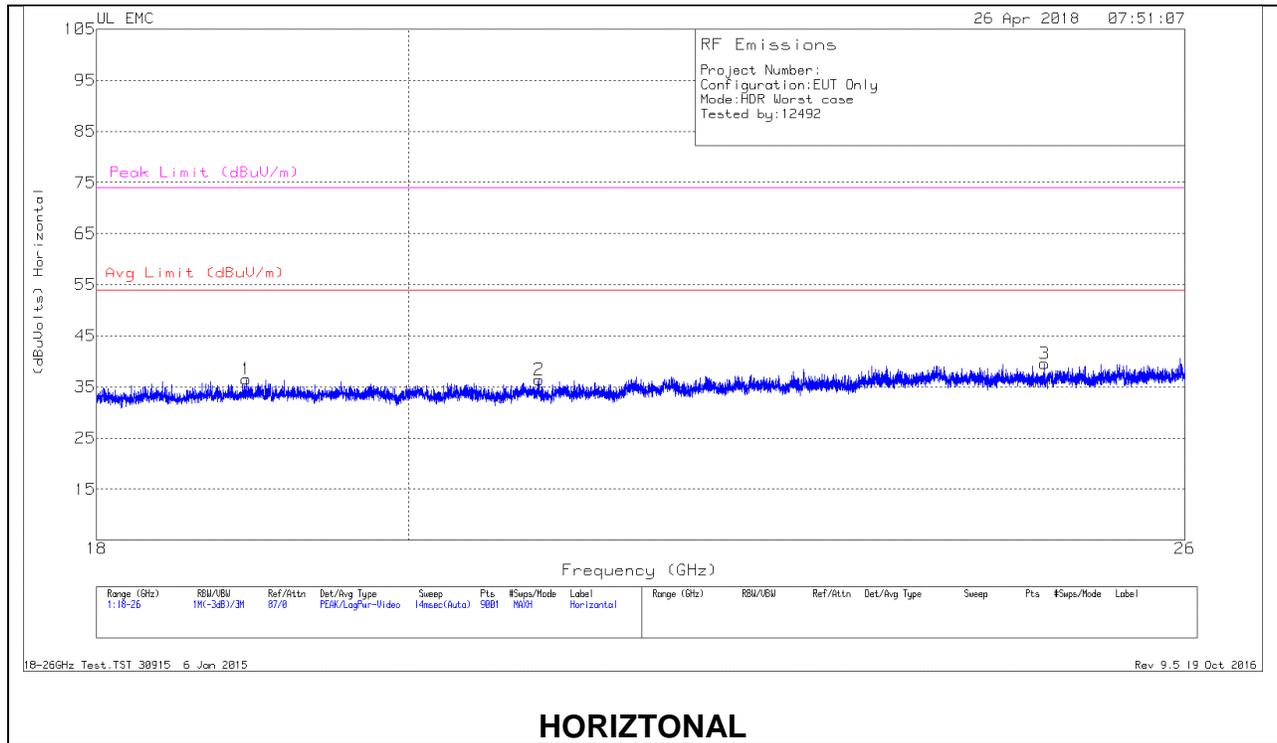
Pk - Peak detector

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

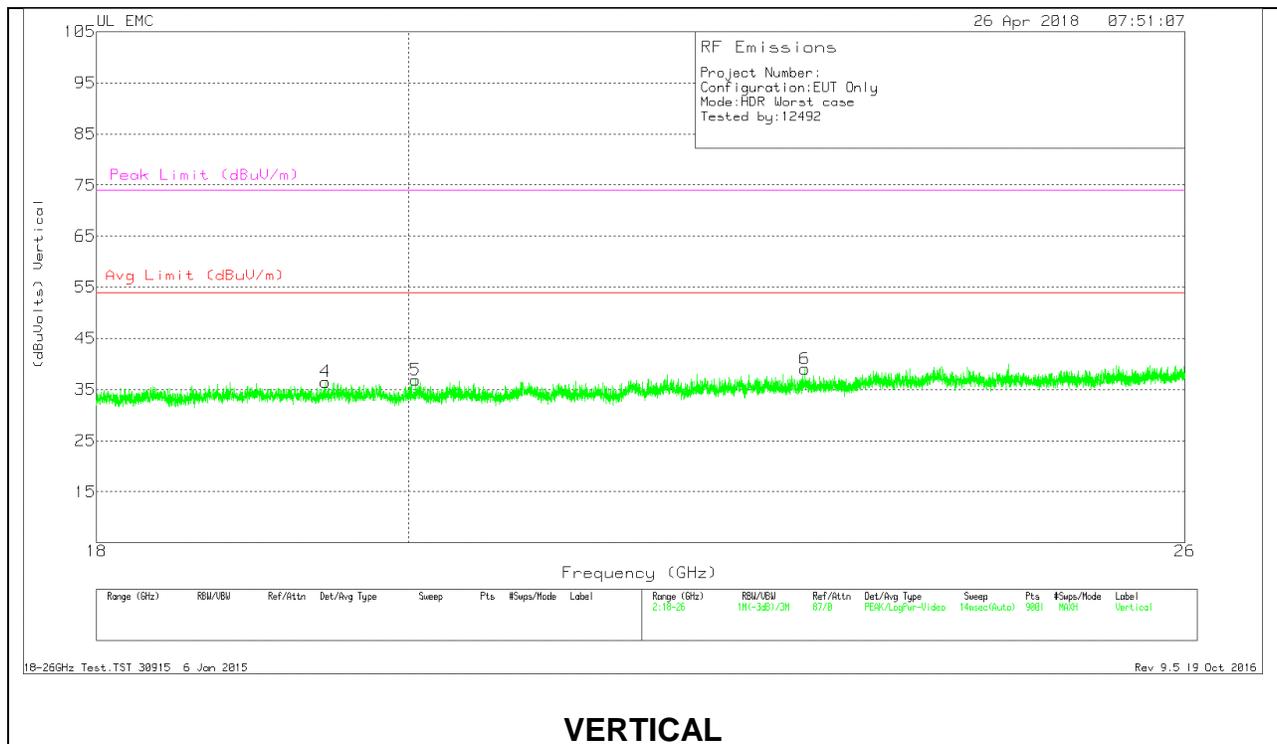
Rev 9.5 01 Dec 2016

9.4. Worst Case 18-26 GHz

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



HORIZONTAL



VERTICAL

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	18.934	38.82	Pk	32.4	-25.2	-9.5	36.52	54	-17.48	74	-37.48
2	20.902	38.05	Pk	33.1	-25.2	-9.5	36.45	54	-17.55	74	-37.55
3	24.793	39.35	Pk	34.2	-24.5	-9.5	39.55	54	-14.45	74	-34.45
4	19.447	37.99	Pk	32.7	-24.7	-9.5	36.49	54	-17.51	74	-37.51
5	20.049	38.69	Pk	32.8	-25.1	-9.5	36.89	54	-17.11	74	-37.11
6	22.866	39.95	Pk	33.5	-24.9	-9.5	39.05	54	-14.95	74	-34.95

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.

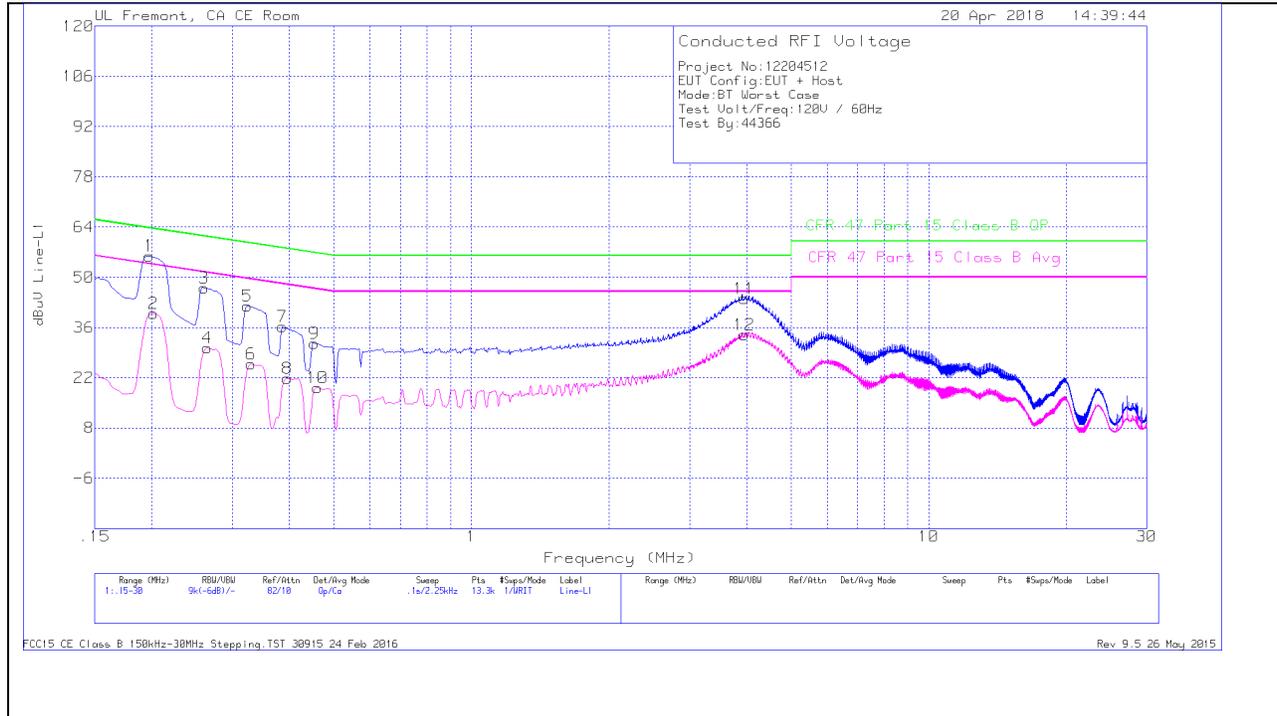
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

10.1.1. AC Power Line Host

LINE 1 RESULTS



Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L1	LC Cables C1&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
1	.19725	45.89	Qp	0	0	10.1	55.99	63.73	-7.74	-	-
2	.20175	29.78	Ca	0	0	10.1	39.88	-	-	53.54	-13.66
3	.26025	36.94	Qp	0	0	10.1	47.04	61.42	-14.38	-	-
4	.26475	20.18	Ca	0	0	10.1	30.28	-	-	51.28	-21
5	.32325	31.89	Qp	0	0	10.1	41.99	59.62	-17.63	-	-
6	.33	15.7	Ca	0	0	10.1	25.8	-	-	49.45	-23.65
7	.38625	26.09	Qp	0	0	10.1	36.19	58.14	-21.95	-	-
8	.39525	11.73	Ca	0	0	10.1	21.83	-	-	47.95	-26.12
9	.45375	21.55	Qp	0	0	10.1	31.65	56.81	-25.16	-	-
10	.4605	9.11	Ca	0	0	10.1	19.21	-	-	46.68	-27.47
11	3.95025	33.84	Qp	0	.1	10.1	44.04	56	-11.96	-	-
12	3.95025	23.73	Ca	0	.1	10.1	33.93	-	-	46	-12.07

Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 2 RESULTS



Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L2	LC Cables C2&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
13	.19275	44.92	Qp	0	0	10.1	55.02	63.92	-8.9	-	-
14	.1995	28.13	Ca	0	0	10.1	38.23	-	-	53.63	-15.4
15	.258	37.42	Qp	0	0	10.1	47.52	61.5	-13.98	-	-
16	.26475	20.71	Ca	0	0	10.1	30.81	-	-	51.28	-20.47
17	.32325	31.59	Qp	0	0	10.1	41.69	59.62	-17.93	-	-
18	.32775	15.34	Ca	0	0	10.1	25.44	-	-	49.51	-24.07
19	.38625	25.28	Qp	0	0	10.1	35.38	58.14	-22.76	-	-
20	.39525	10.14	Ca	0	0	10.1	20.24	-	-	47.95	-27.71
21	.456	20.7	Qp	0	0	10.1	30.8	56.77	-25.97	-	-
22	.4605	8.23	Ca	0	0	10.1	18.33	-	-	46.68	-28.35
23	3.96375	33.91	Qp	0	.1	10.1	44.11	56	-11.89	-	-
24	3.957	22.27	Ca	0	.1	10.1	32.47	-	-	46	-13.53

Qp - Quasi-Peak detector

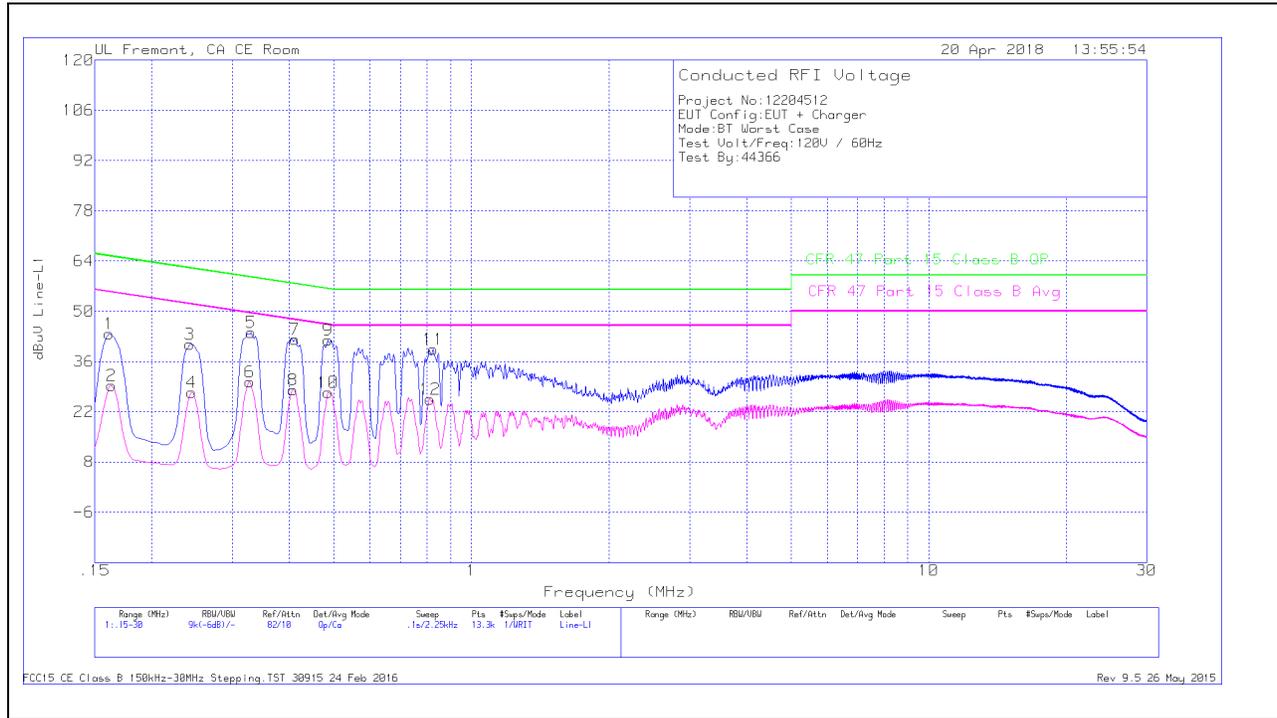
Ca - CISPR average detection

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

Rev 9.5 26 May 2015

10.1.2. AC Power Line Norm

LINE 1 RESULTS

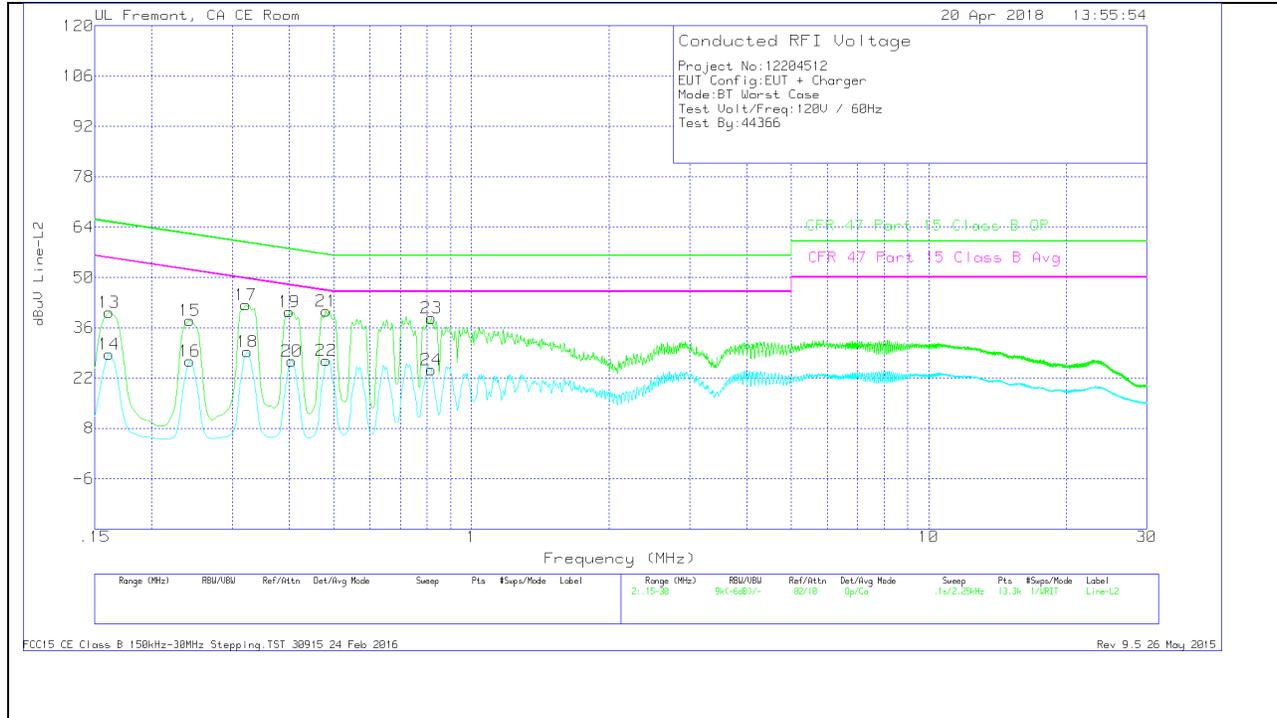


Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L1	LC Cables C1&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
1	.16125	33.56	Qp	.1	0	10.1	43.76	65.4	-21.64	-	-
2	.1635	19.04	Ca	.1	0	10.1	29.24	-	-	55.28	-26.04
3	.24225	30.68	Qp	0	0	10.1	40.78	62.02	-21.24	-	-
4	.2445	17.34	Ca	0	0	10.1	27.44	-	-	51.94	-24.5
5	.33	33.95	Qp	0	0	10.1	44.05	59.45	-15.4	-	-
6	.32775	20.24	Ca	0	0	10.1	30.34	-	-	49.51	-19.17
7	.411	32.1	Qp	0	0	10.1	42.2	57.63	-15.43	-	-
8	.40762	18	Ca	0	0	10.1	28.1	-	-	47.7	-19.6
9	.48525	31.83	Qp	0	0	10.1	41.93	56.25	-14.32	-	-
10	.48525	17.35	Ca	0	0	10.1	27.45	-	-	46.25	-18.8
11	.825	29.37	Qp	0	0	10.1	39.47	56	-16.53	-	-
12	.8115	15.37	Ca	0	0	10.1	25.47	-	-	46	-20.53

Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 2 RESULTS



Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L2	LC Cables C2&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
13	.16125	30.11	Qp	0	0	10.1	40.21	65.4	-25.19	-	-
14	.16125	18.57	Ca	0	0	10.1	28.67	-	-	55.4	-26.73
15	.24225	27.88	Qp	0	0	10.1	37.98	62.02	-24.04	-	-
16	.24225	16.55	Ca	0	0	10.1	26.65	-	-	52.02	-25.37
17	.321	32.21	Qp	0	0	10.1	42.31	59.68	-17.37	-	-
18	.32325	19.18	Ca	0	0	10.1	29.28	-	-	49.62	-20.34
19	.39975	30.28	Qp	0	0	10.1	40.38	57.86	-17.48	-	-
20	.40425	16.58	Ca	0	0	10.1	26.68	-	-	47.77	-21.09
21	.48075	30.57	Qp	0	0	10.1	40.67	56.33	-15.66	-	-
22	.48075	16.74	Ca	0	0	10.1	26.84	-	-	46.33	-19.49
23	.81825	28.52	Qp	0	0	10.1	38.62	56	-17.38	-	-
24	.81825	14.18	Ca	0	0	10.1	24.28	-	-	46	-21.72

Qp - Quasi-Peak detector

Ca - CISPR average detection

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

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END OF REPORT

11. SETUP PHOTOS

Please refer to 12204512-EP1V1 for setup photos