

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.

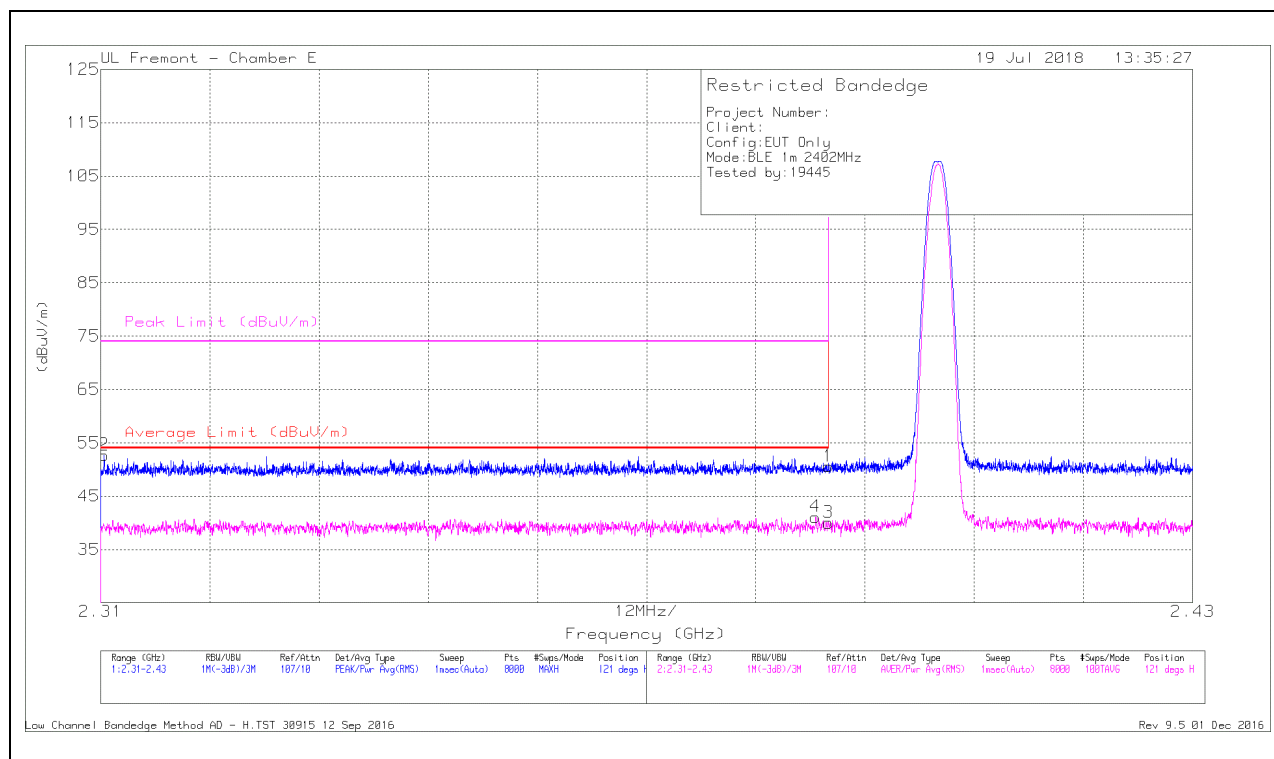
9.2. TRANSMITTER ABOVE 1 GHz

9.2.1. HIGH POWER BLE (1Mbps)

Antenna 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



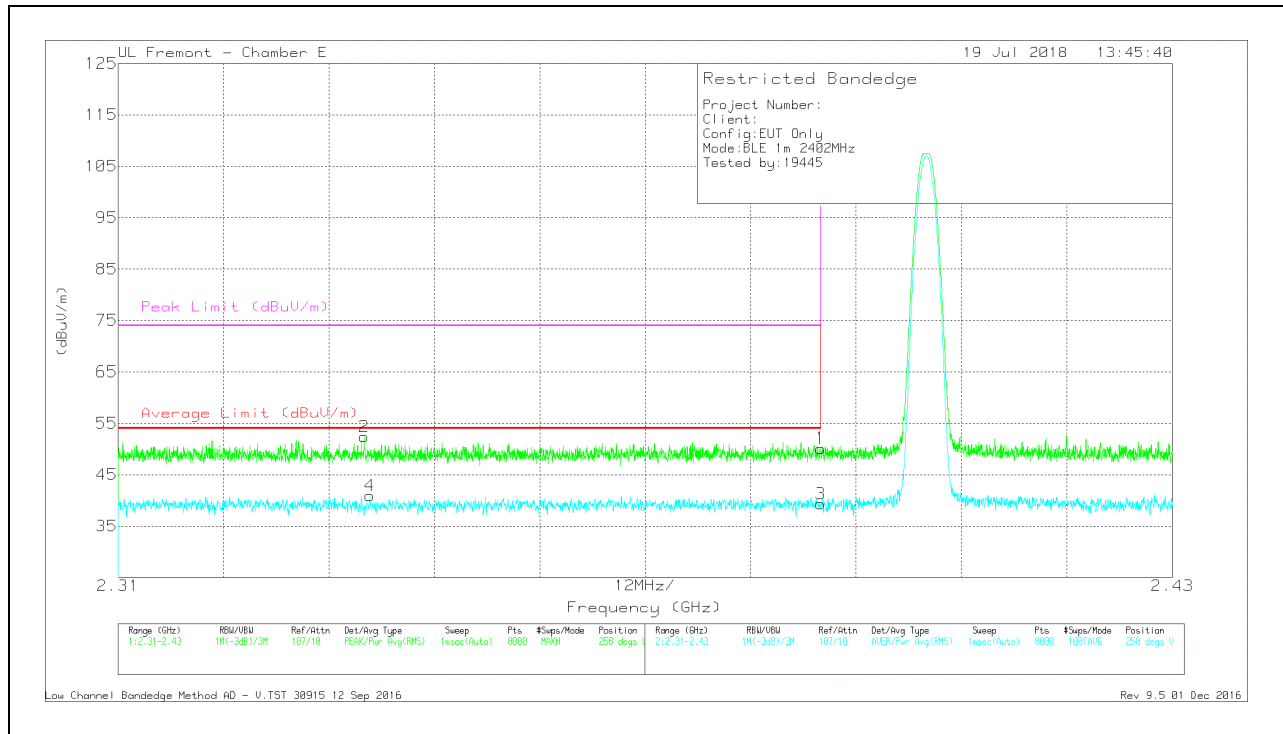
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	41.19	Pk	32	-22.6	50.59	-	-	74	-23.41	121	307	H
2	* 2.31	43.77	Pk	31.7	-22.8	52.67	-	-	74	-21.33	121	307	H
3	* 2.39	30.61	RMS	32	-22.6	40.01	54	-13.99	-	-	121	307	H
4	* 2.389	31.8	RMS	31.9	-22.6	41.1	54	-12.9	-	-	121	307	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

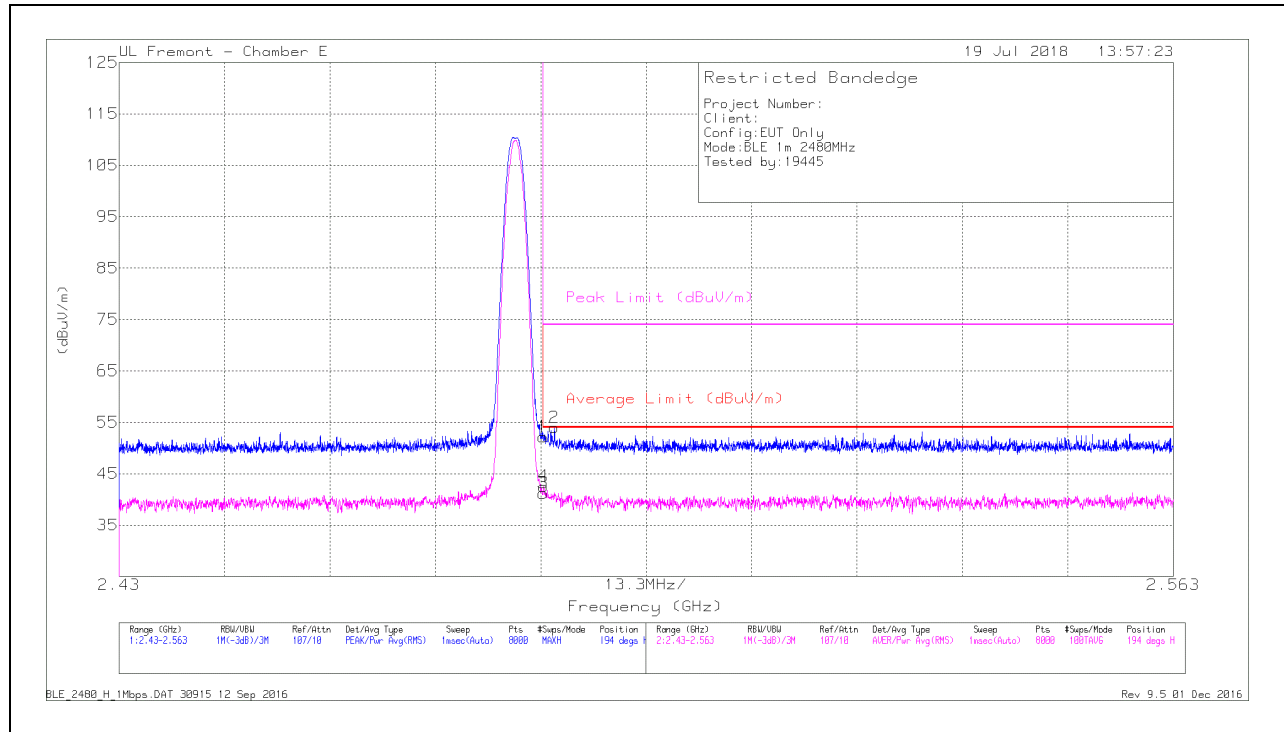


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cb/Fltr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	40.71	Pk	32	-22.6	50.11	-	-	74	-23.89	258	263	V
2	* 2.338	43.3	Pk	31.8	-22.7	52.4	-	-	74	-21.6	258	263	V
3	* 2.39	29.91	RMS	32	-22.6	39.31	54	-14.69	-	-	258	263	V
4	* 2.339	31.8	RMS	31.8	-22.7	40.9	54	-13.1	-	-	258	263	V

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Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

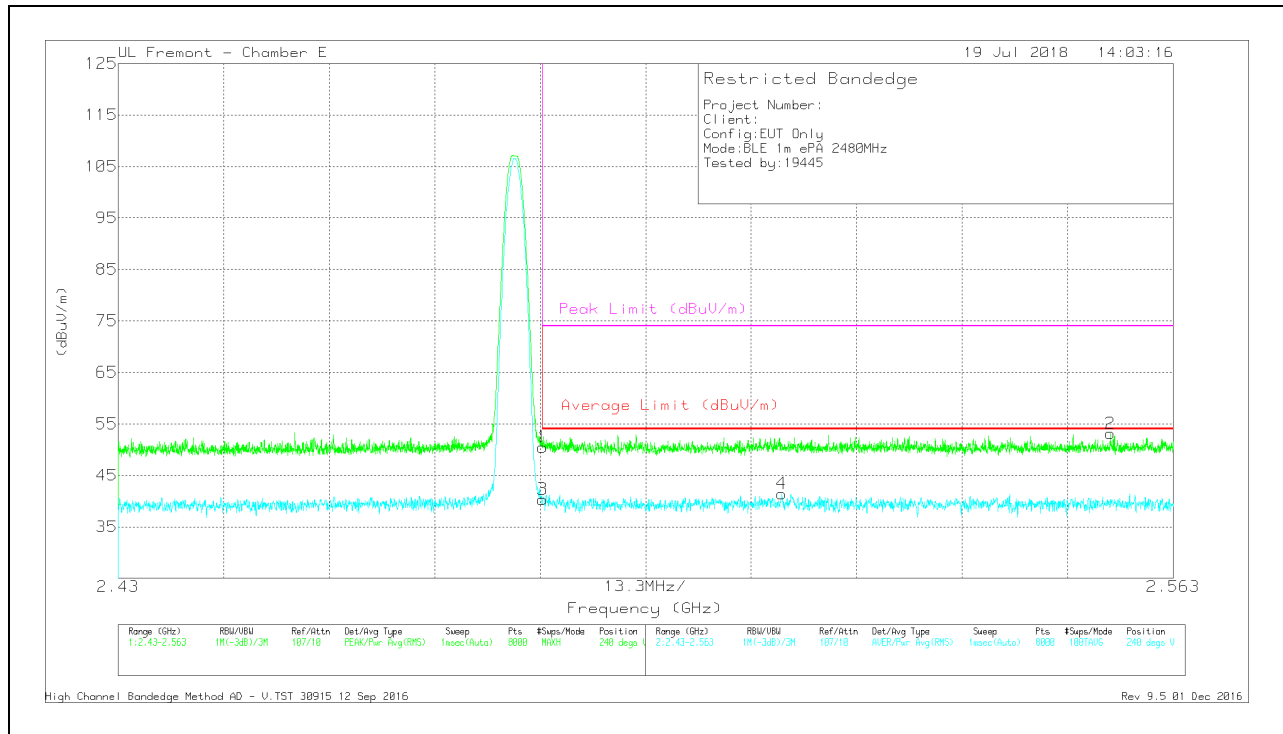
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Ftr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	42.4	Pk	32.1	-22.3	52.2	-	-	74	-21.8	194	230	H
2	* 2.485	44.26	Pk	32.1	-22.4	53.96	-	-	74	-20.04	194	230	H
3	* 2.484	31.43	RMS	32.1	-22.3	41.23	54	-12.77	-	-	194	230	H
4	* 2.484	32.75	RMS	32.1	-22.3	42.55	54	-11.45	-	-	194	230	H

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Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT346 (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	40.71	Pk	32.1	-22.3	50.51	-	-	74	-23.49	240	218	V
3	* 2.484	30.55	RMS	32.1	-22.3	40.35	54	-13.65	-	-	240	218	V
4	2.514	31.55	RMS	32.1	-22.2	41.45	54	-12.55	-	-	240	218	V
2	2.555	43.34	Pk	32.1	-22.3	53.14	-	-	74	-20.86	240	218	V

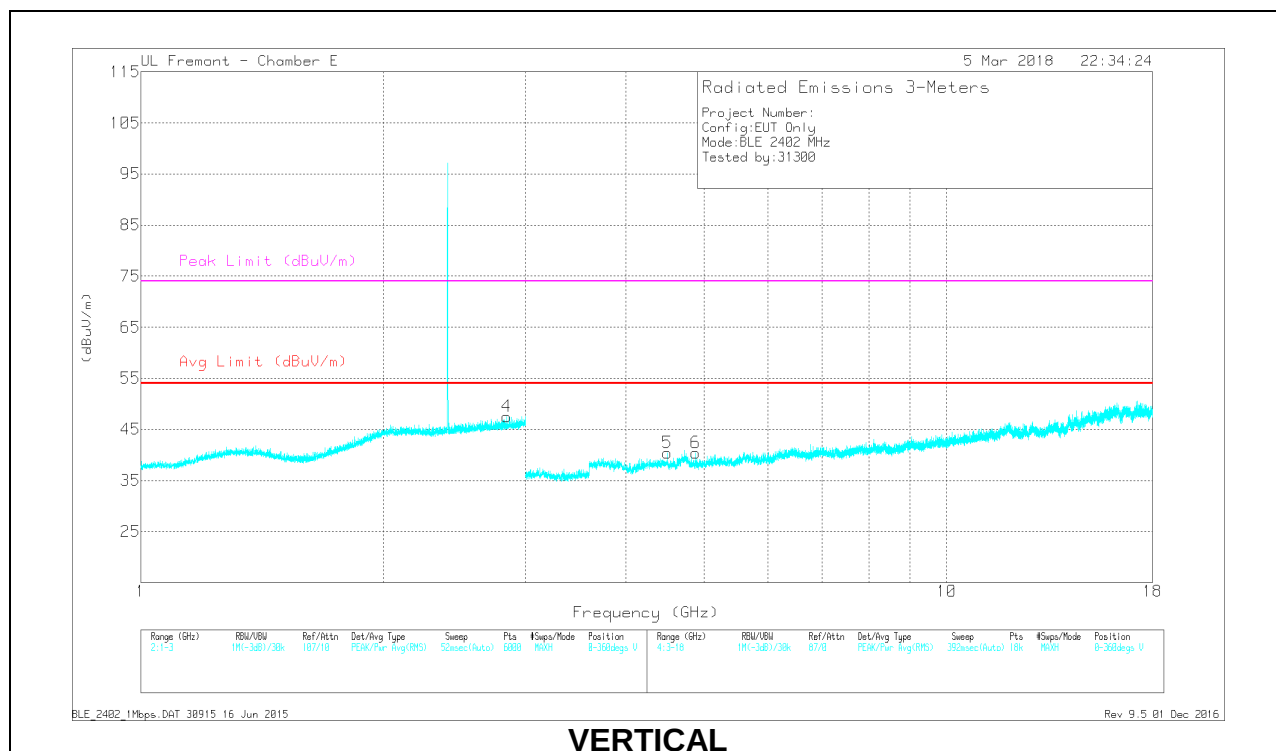
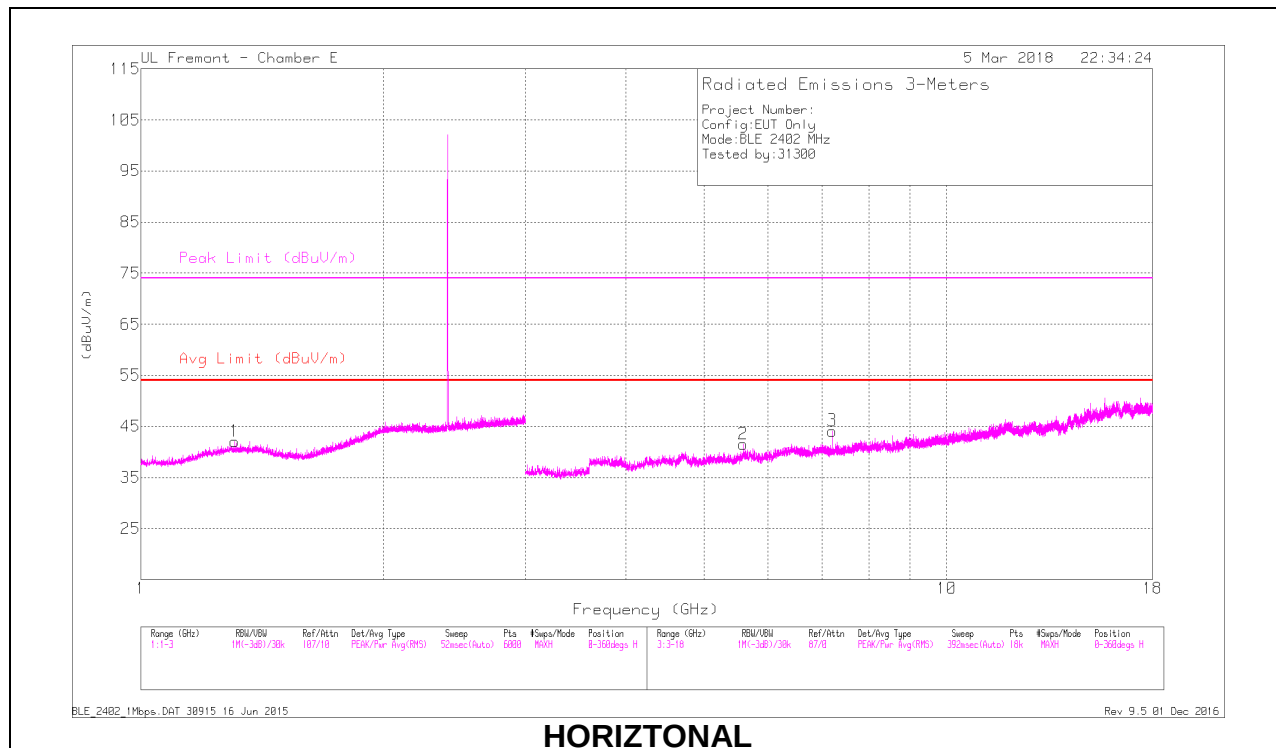
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

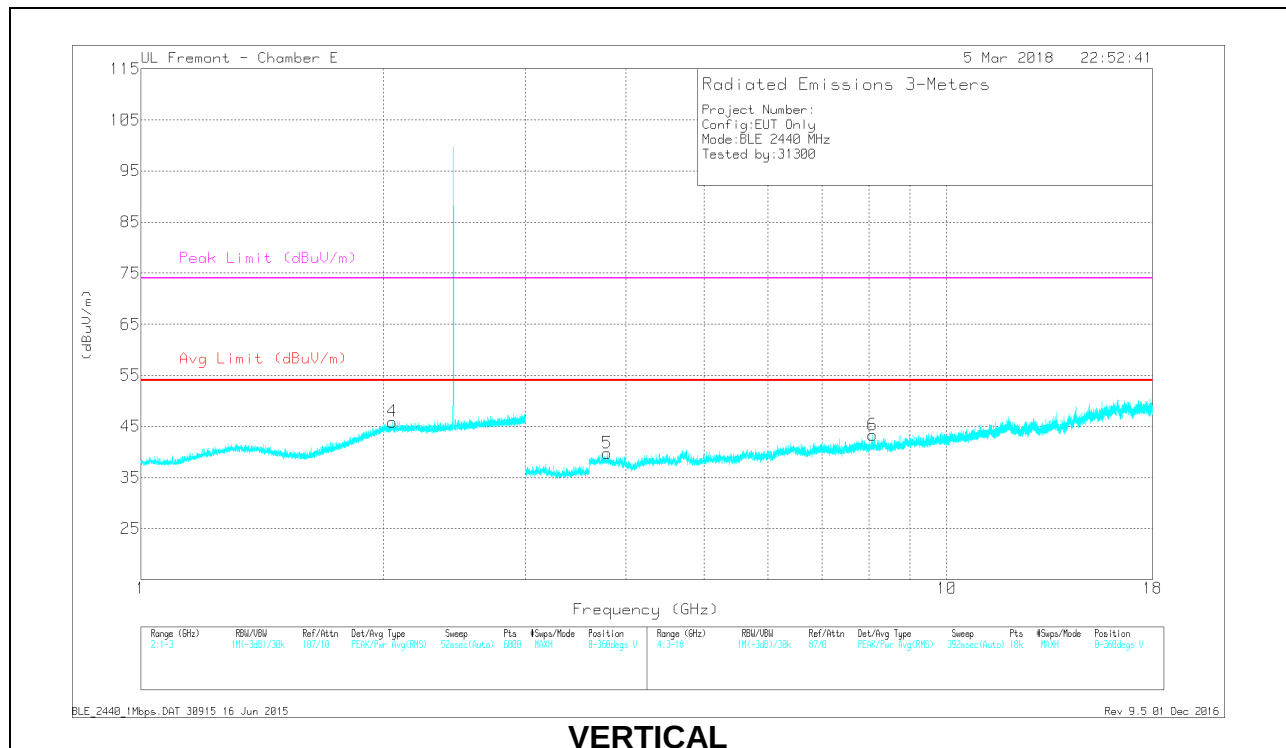
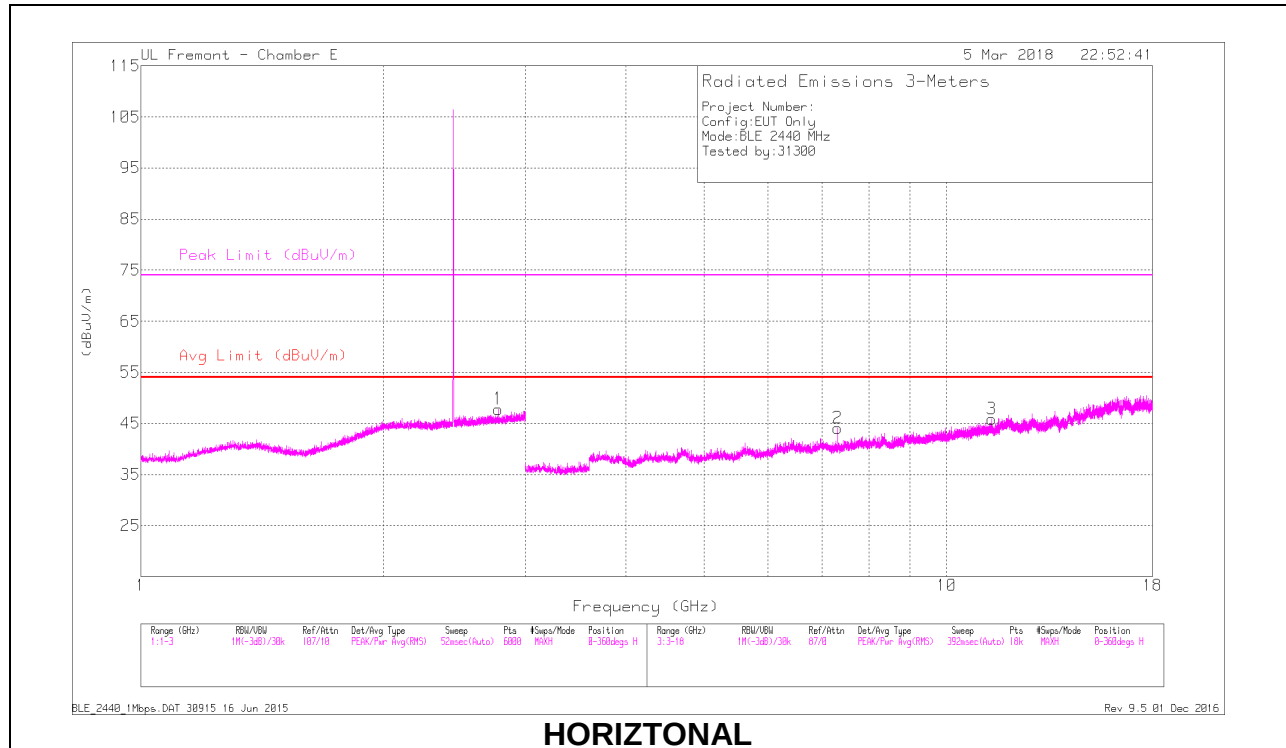
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.306	44.66	PK2	28.9	-25.2	48.36	-	-	74	-25.64	96	182	H
	* 1.309	32.37	MAV1	28.9	-25.2	36.07	54	-17.93	-	-	96	182	H
2	5.59	41.4	PK2	35	-28.5	47.9	-	-	-	-	360	147	H
3	7.205	42.1	PK2	36.1	-26.8	51.4	-	-	-	-	298	219	H
4	* 2.845	43.19	PK2	32.7	-21.9	53.99	-	-	74	-20.01	232	202	V
	* 2.848	29.68	MAV1	32.7	-21.9	40.48	54	-13.52	-	-	232	202	V
5	* 4.504	40.92	PK2	34.5	-29.2	46.22	-	-	74	-27.78	7	100	V
	* 4.503	29.06	MAV1	34.5	-29.2	34.36	54	-19.64	-	-	7	100	V
6	* 4.878	40.64	PK2	34.5	-29.6	45.54	-	-	74	-28.46	29	122	V
	* 4.878	28.42	MAV1	34.5	-29.6	33.32	54	-20.68	-	-	29	122	V

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

PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS



RADIATED EMISSIONS

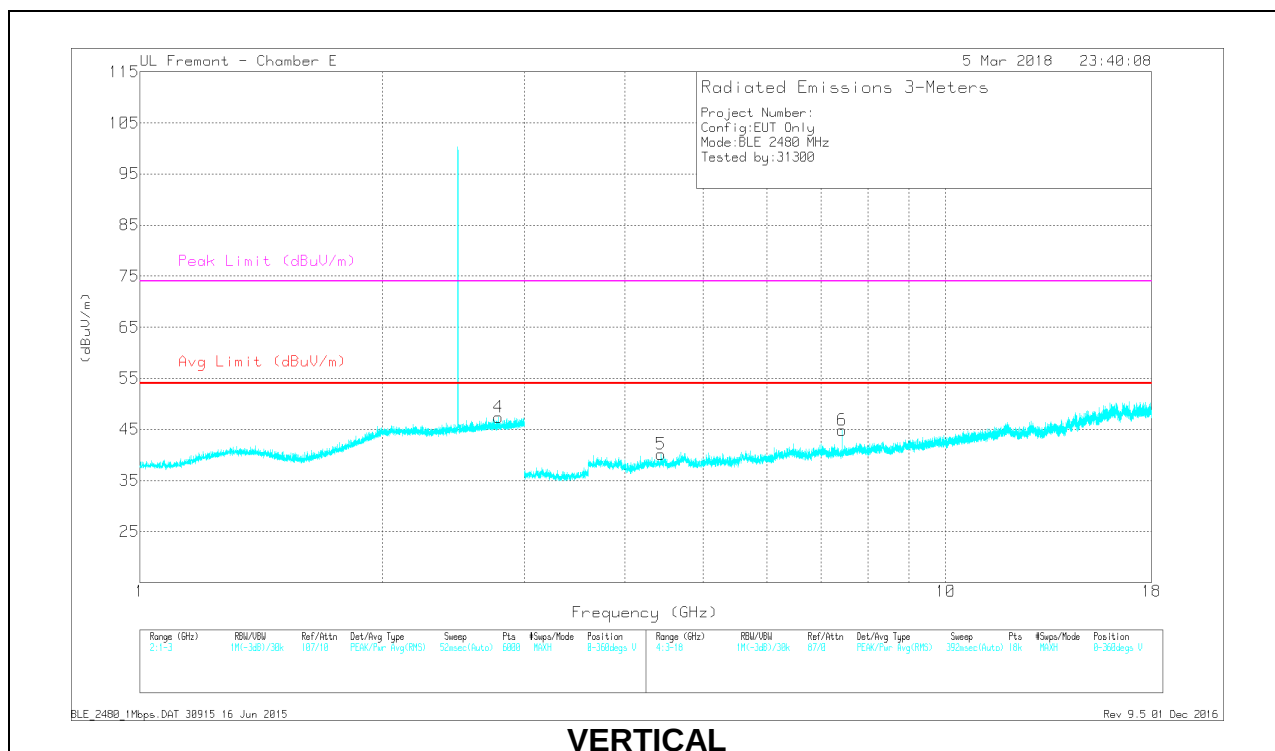
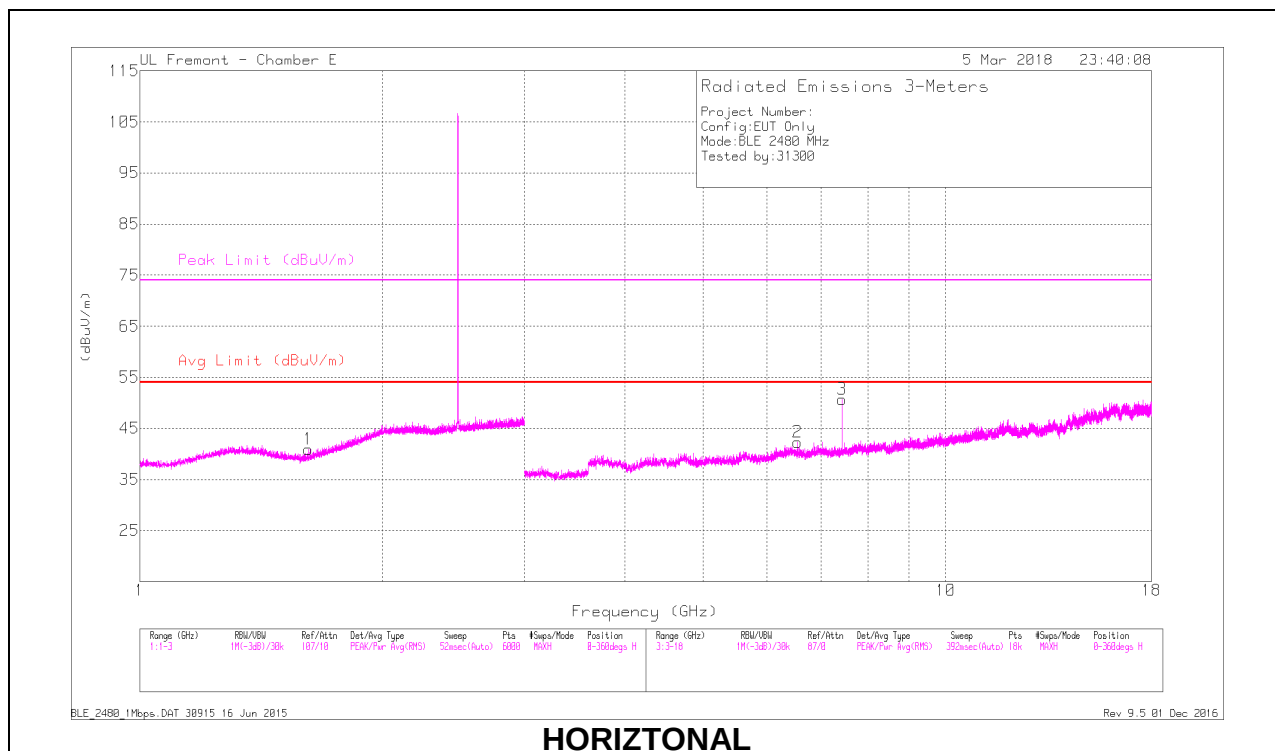
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.773	42.81	PK2	32.6	-22	53.41	-	-	74	-20.59	196	135	H
	* 2.774	29.91	MAv1	32.6	-22	40.51	54	-13.49	-	-	196	135	H
2	* 7.324	41.4	PK2	36	-26.1	51.3	-	-	74	-22.7	328	104	H
	* 7.324	31.26	MAv1	36	-26.1	41.16	54	-12.84	-	-	328	104	H
3	* 11.361	36.22	PK2	38.6	-22.2	52.62	-	-	74	-21.38	249	140	H
	* 11.363	23.38	MAv1	38.6	-22.1	39.88	54	-14.12	-	-	249	140	H
4	2.05	43.69	PK2	32.1	-23.2	52.59	-	-	-	-	264	390	V
5	* 3.794	42.29	PK2	33.6	-29.9	45.99	-	-	74	-28.01	9	222	V
	* 3.794	29.55	MAv1	33.6	-29.9	33.25	54	-20.75	-	-	9	222	V
6	* 8.086	38.16	PK2	36.5	-25.2	49.46	-	-	74	-24.54	253	133	V
	* 8.085	25.79	MAv1	36.5	-25.2	37.09	54	-16.91	-	-	253	133	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.617	44.31	PK2	27.4	-24.4	47.31	-	-	74	-26.69	64	400	H
	* 1.616	31.85	MAv1	27.3	-24.4	34.75	54	-19.25	-	-	64	400	H
2	6.551	40.37	PK2	36	-27.7	48.67	-	-	-	-	346	107	H
3	* 7.441	45.59	PK2	36.1	-26.8	54.89	-	-	74	-19.11	116	192	H
	* 7.44	38.92	MAv1	36.1	-26.8	48.22	54	-5.78	-	-	116	192	H
4	* 2.787	43.58	PK2	32.6	-21.9	54.28	-	-	74	-19.72	300	369	V
	* 2.789	29.81	MAv1	32.6	-22	40.41	54	-13.59	-	-	300	369	V
5	4.432	41.26	PK2	34.2	-29.3	46.16	-	-	-	-	222	140	V
6	* 7.439	42.42	PK2	36.1	-26.8	51.72	-	-	74	-22.28	149	308	V
	* 7.439	33.32	MAv1	36.1	-26.8	42.62	54	-11.38	-	-	149	308	V

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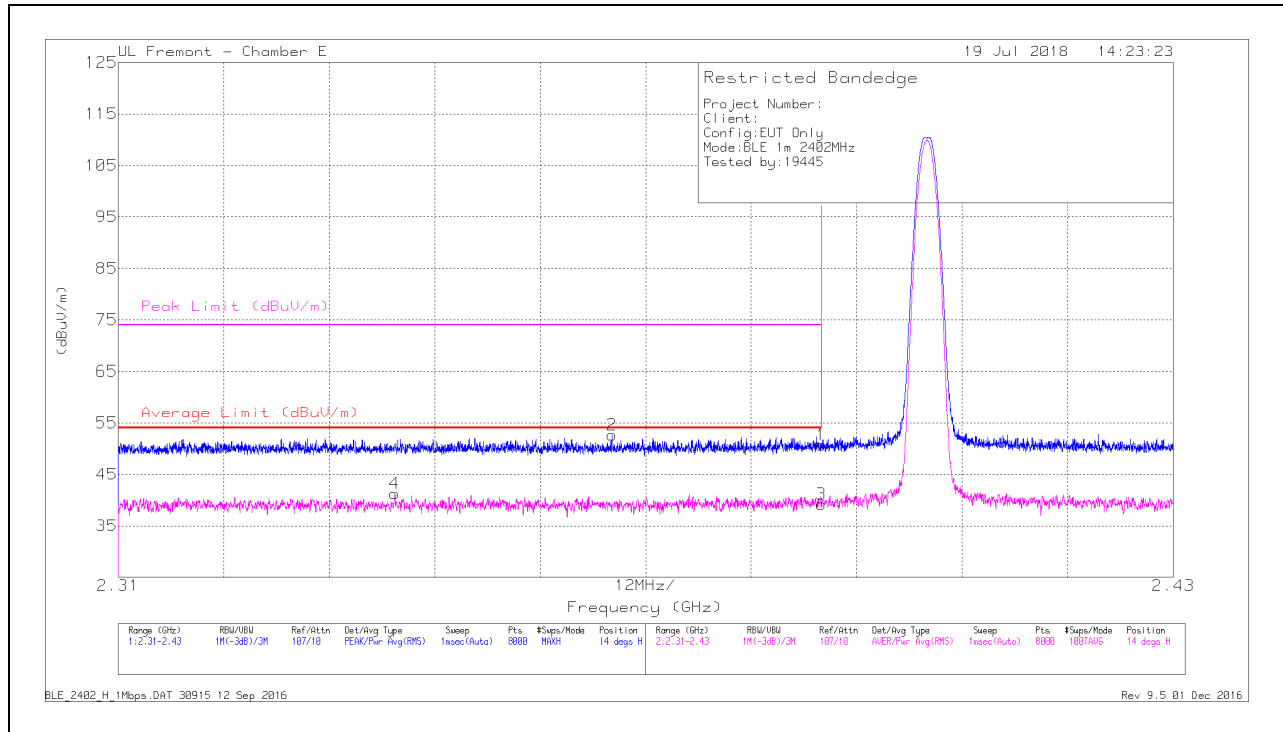
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

Antenna 3

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



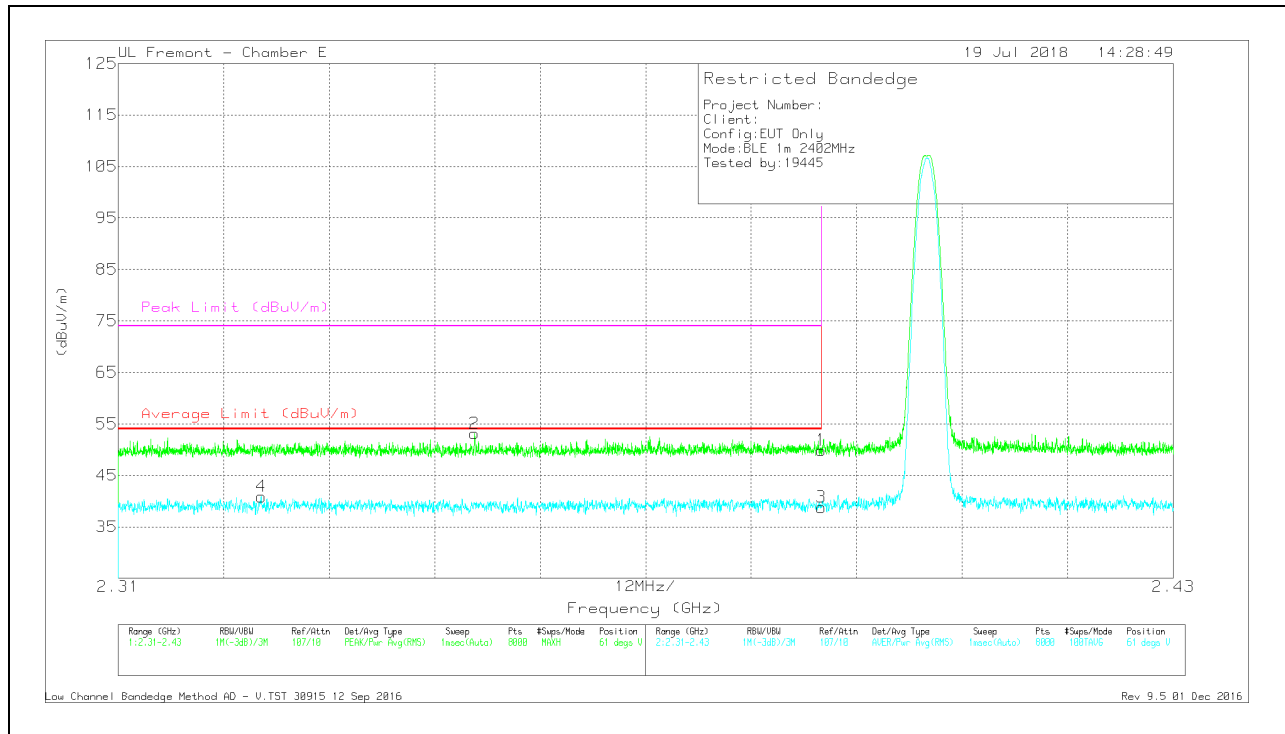
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degr)	Height (cm)	Polarity
1	* 2.39	41.31	Pk	32	-22.6	50.71	-	-	74	-23.29	14	151	H
2	* 2.366	43.42	Pk	31.9	-22.7	52.62	-	-	74	-21.38	14	151	H
3	* 2.39	29.82	RMS	32	-22.6	39.22	54	-14.78	-	-	14	151	H
4	* 2.341	32.17	RMS	31.8	-22.7	41.27	54	-12.73	-	-	14	151	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/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	40.46	Pk	32	-22.6	49.86	-	-	74	-24.14	61	282	V
2	* 2.351	44.04	Pk	31.8	-22.7	53.14	-	-	74	-20.86	61	282	V
3	* 2.39	29.39	RMS	32	-22.6	38.79	54	-15.21	-	-	61	282	V
4	* 2.326	31.77	RMS	31.8	-22.7	40.87	54	-13.13	-	-	61	282	V

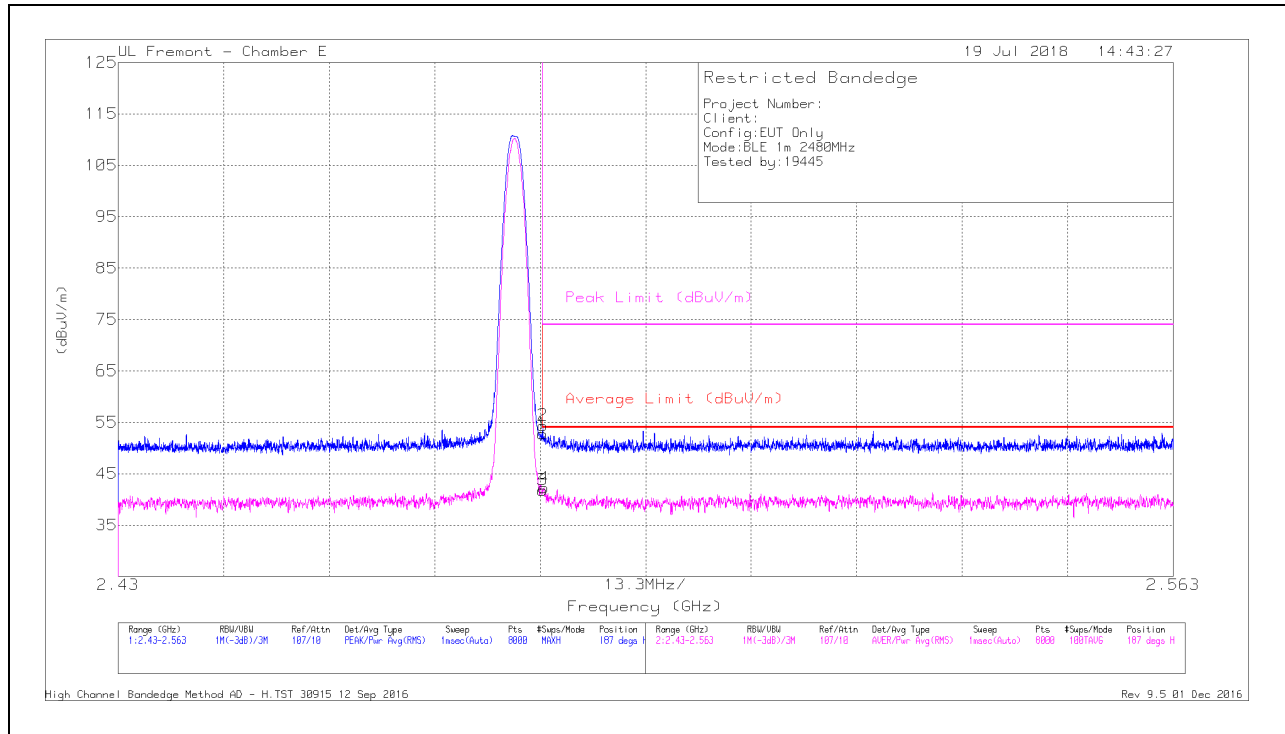
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Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



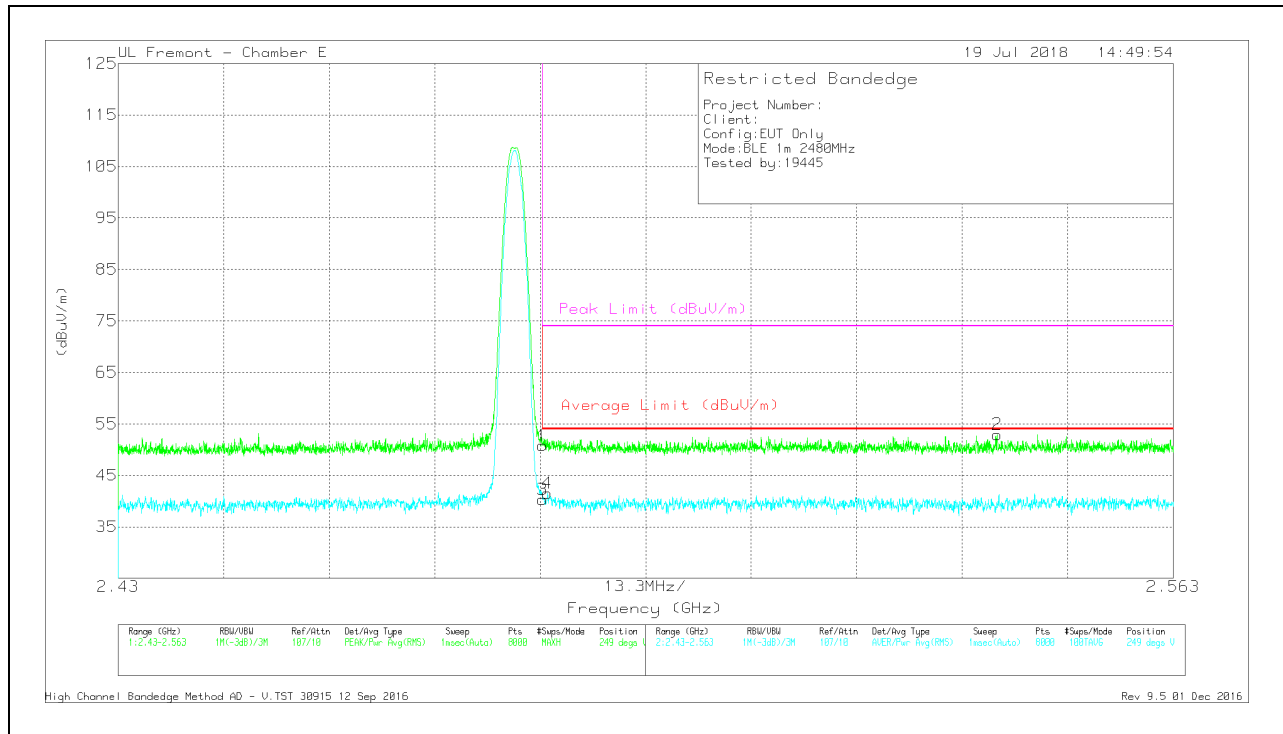
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cb/Fltr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	42.98	Pk	32.1	-22.3	52.78	-	-	74	-21.22	187	188	H
2	* 2.484	44.59	Pk	32.1	-22.3	54.39	-	-	74	-19.61	187	188	H
3	* 2.484	32.04	RMS	32.1	-22.3	41.84	54	-12.16	-	-	187	188	H
4	* 2.484	32.44	RMS	32.1	-22.3	42.24	54	-11.76	-	-	187	188	H

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Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbtl/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	* 2.484	41.01	Pk	32.1	-22.3	50.81	-	-	74	-23.19	249	302	V
3	* 2.484	30.52	RMS	32.1	-22.3	40.32	54	-13.68	-	-	249	302	V
4	* 2.484	31.73	RMS	32.1	-22.3	41.53	54	-12.47	-	-	249	302	V
2	2.541	43.23	Pk	32.1	-22.4	52.93	-	-	74	-21.07	249	302	V

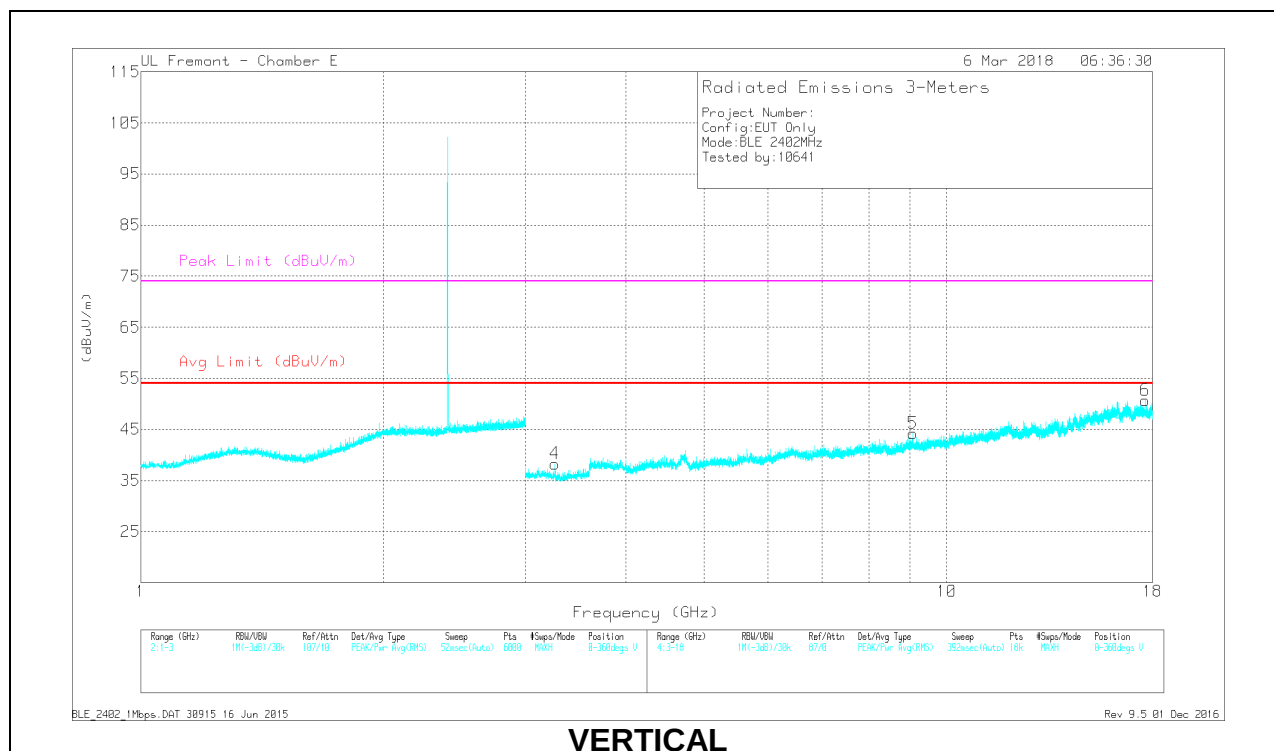
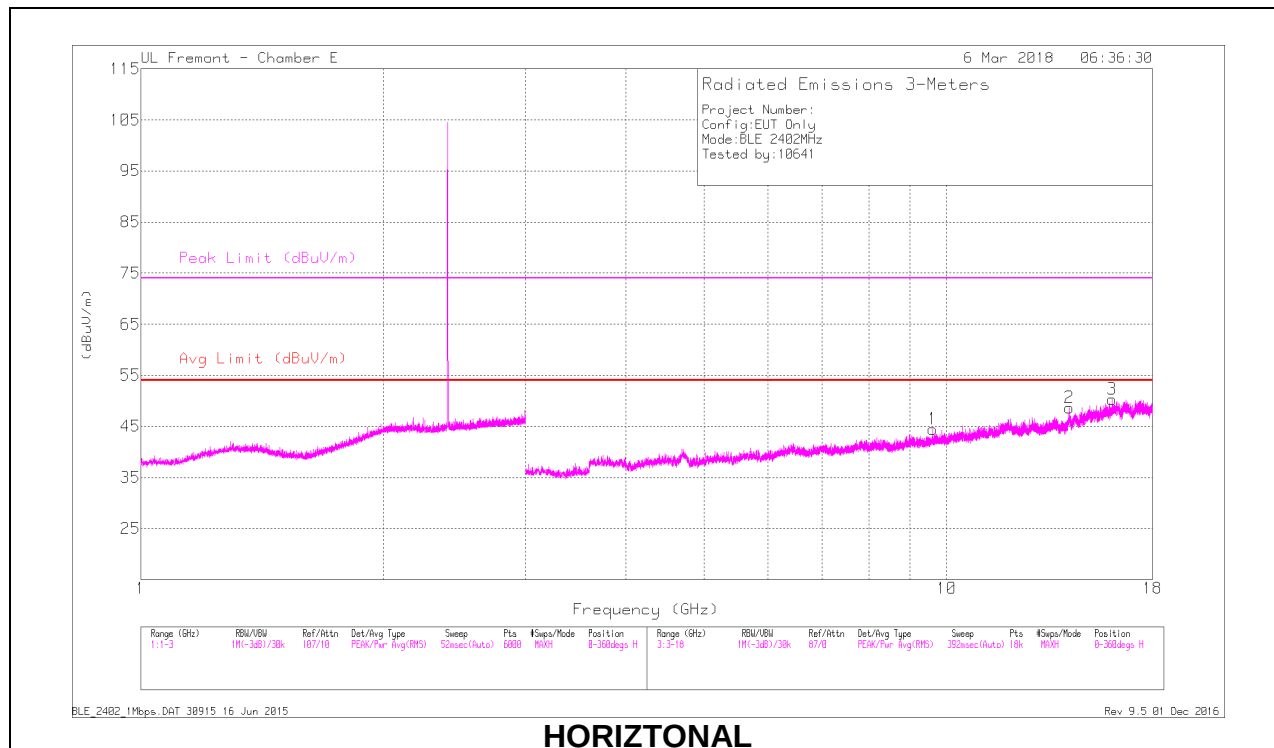
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Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

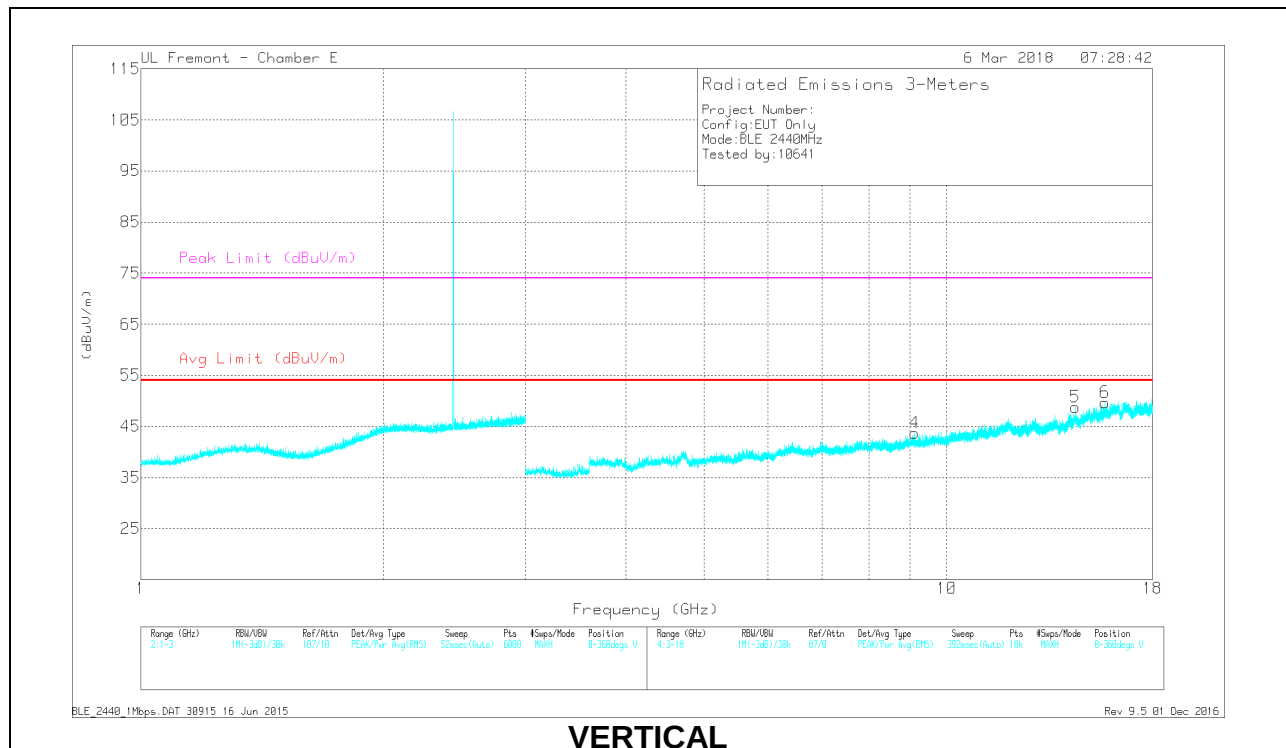
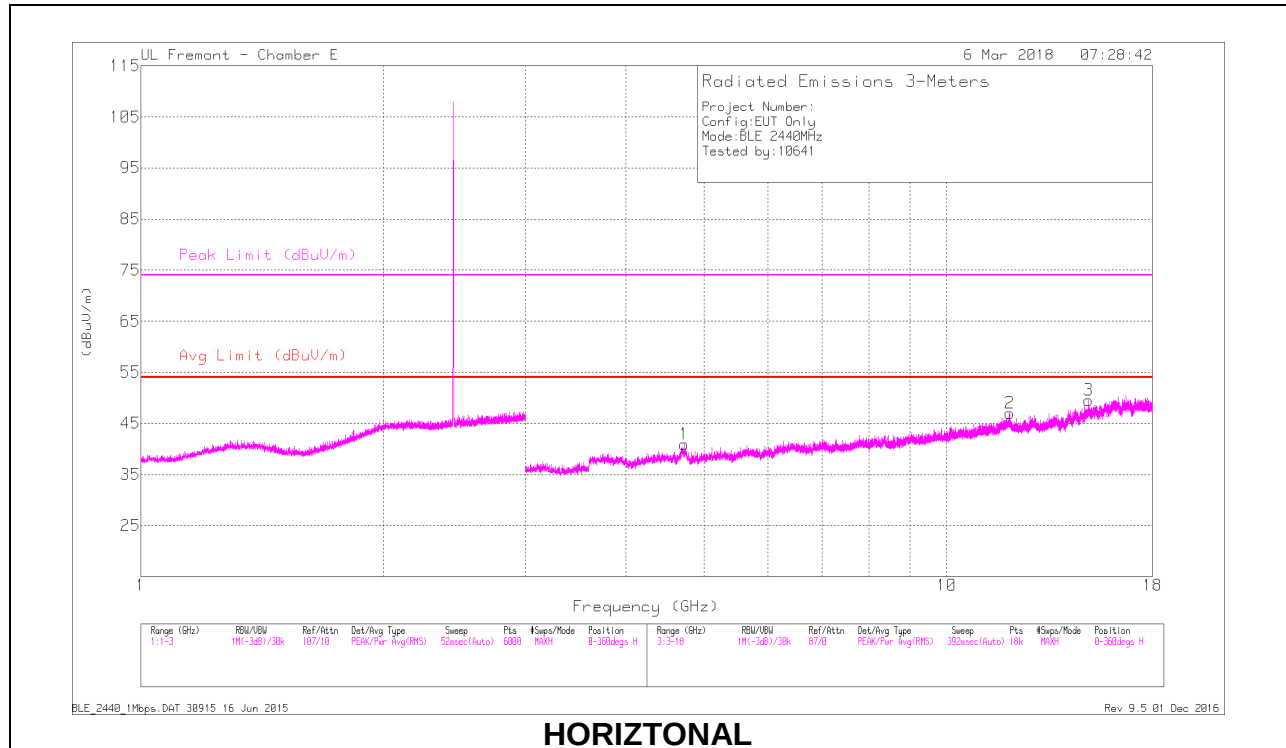
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	9.615	38.1	PK2	37.3	-24.1	51.3	-	-	-	-	128	152	H
2	14.195	36.48	PK2	40.8	-24	53.28	-	-	-	-	298	134	H
3	* 16.042	37.33	PK2	41.6	-21.9	57.03	-	-	74	-16.97	136	118	H
	* 16.043	24.29	MAV1	41.6	-21.9	43.99	54	-10.01	-	-	136	118	H
4	* 3.265	42.24	PK2	32.9	-30.8	44.34	-	-	74	-29.66	67	329	V
	* 3.266	29.7	MAV1	32.9	-30.8	31.8	54	-22.2	-	-	67	329	V
5	* 9.083	38.1	PK2	37.1	-25	50.2	-	-	74	-23.8	20	366	V
	* 9.081	25.67	MAV1	37.1	-25	37.77	54	-16.23	-	-	20	366	V
6	17.632	35.97	PK2	41.8	-20.5	57.27	-	-	-	-	56	105	V

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PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS



RADIATED EMISSIONS

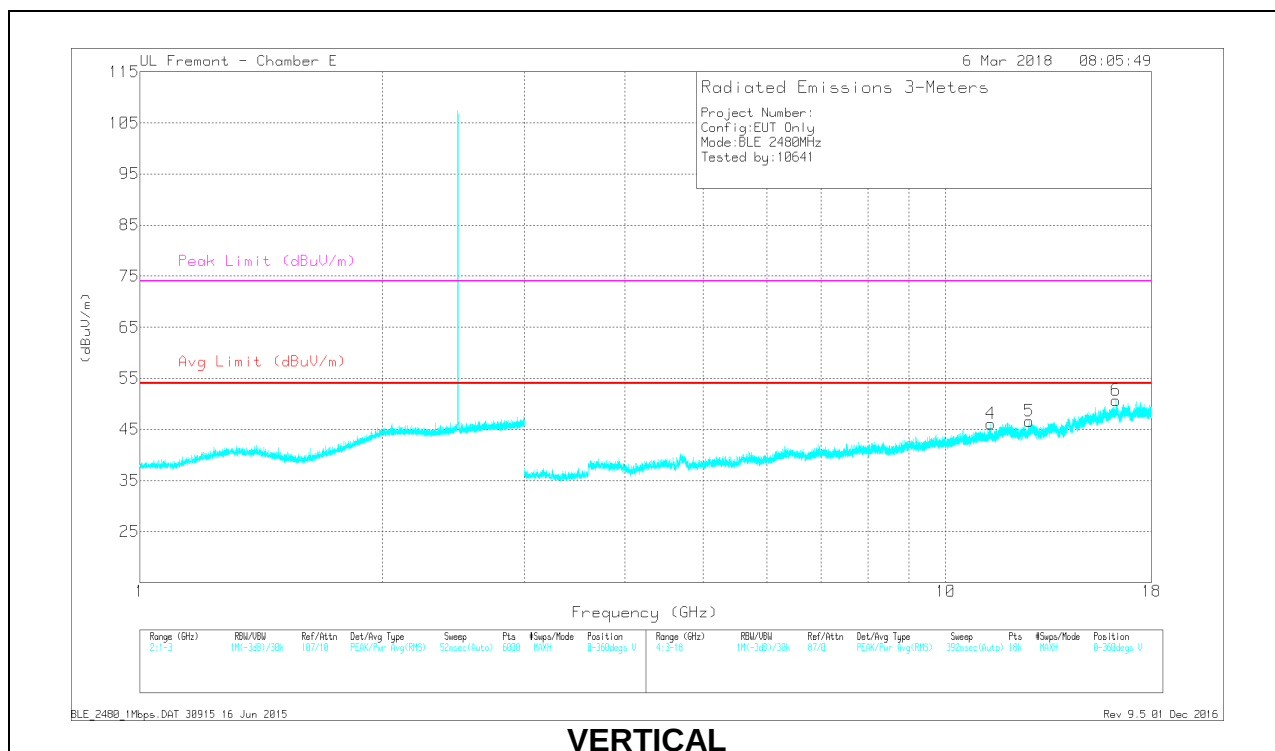
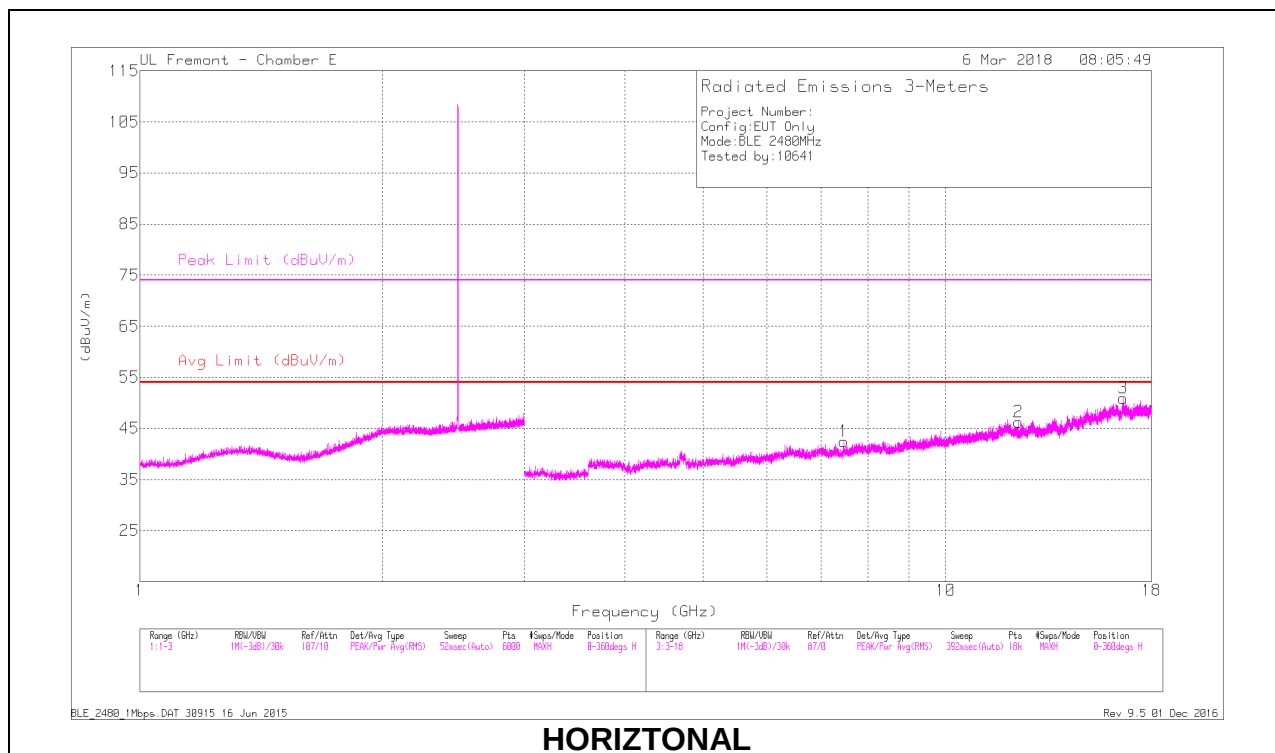
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Fitr /Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.72	42.42	PK2	34.4	-28.4	48.42	-	-	74	-25.58	174	342	H
	* 4.73	29.19	MAv1	34.4	-28.2	35.39	54	-18.61	-	-	174	342	H
2	* 11.963	36.8	PK2	39.6	-22.5	53.9	-	-	74	-20.1	316	124	H
	* 11.963	23.61	MAv1	39.6	-22.5	40.71	54	-13.29	-	-	316	124	H
3	14.994	36.77	PK2	41.3	-22.7	55.37	-	-	-	-	118	119	H
4	* 9.128	38.26	PK2	37.1	-25.5	49.86	-	-	74	-24.14	34	183	V
	* 9.115	25.9	MAv1	37.1	-25.5	37.5	54	-16.5	-	-	34	183	V
5	14.423	37.68	PK2	40.8	-23.1	55.38	-	-	-	-	111	130	V
6	* 15.71	36.24	PK2	41.7	-21.8	56.14	-	-	74	-17.86	323	303	V
	* 15.713	23.17	MAv1	41.7	-22	42.87	54	-11.13	-	-	323	303	V

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PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ Filt/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	* 7.461	39.14	PK2	36.1	-26.6	48.64	-	-	74	-25.36	201	102	H
	* 7.475	26.55	MAv1	36.1	-26.1	36.55	54	-17.45	-	-	201	102	H
2	* 12.314	37	PK2	38.9	-24	51.9	-	-	74	-22.1	80	131	H
	* 12.312	24.84	MAv1	38.9	-24	39.74	54	-14.26	-	-	80	131	H
3	16.594	35.6	PK2	41.9	-20.2	57.3	-	-	-	-	151	118	H
4	* 11.356	36.62	PK2	38.6	-22.3	52.92	-	-	74	-21.08	164	107	V
	* 11.366	23.53	MAv1	38.6	-22.1	40.03	54	-13.97	-	-	164	107	V
5	12.703	38.47	PK2	39.5	-23.6	54.37	-	-	-	-	360	119	V
6	16.256	37.35	PK2	41.2	-20.5	58.05	-	-	-	-	255	109	V

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

PK2 - KDB558074 Method: Maximum Peak

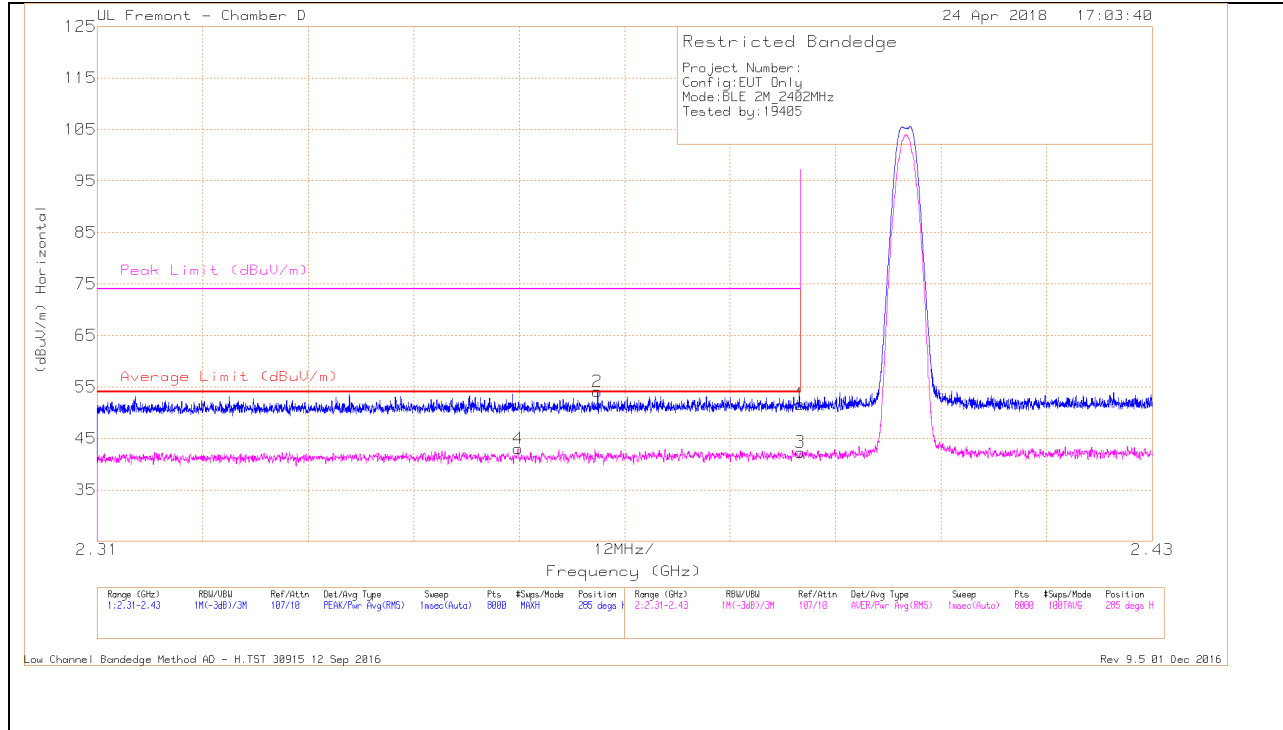
MAv1 - KDB558074 Option 1 Maximum RMS Average

9.2.2. HIGH POWER BLE (2Mbps)

Antenna 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/FI tr/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	40.23	Pk	31.9	-20.5	51.63	-	-	74	-22.37	285	172	H
2	* 2.367	42.98	Pk	31.7	-20.6	54.08	-	-	74	-19.92	285	172	H
3	* 2.39	30.9	RMS	31.9	-20.5	42.3	54	-11.7	-	-	285	172	H
4	* 2.358	31.89	RMS	31.7	-20.6	42.99	54	-11.01	-	-	285	172	H

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

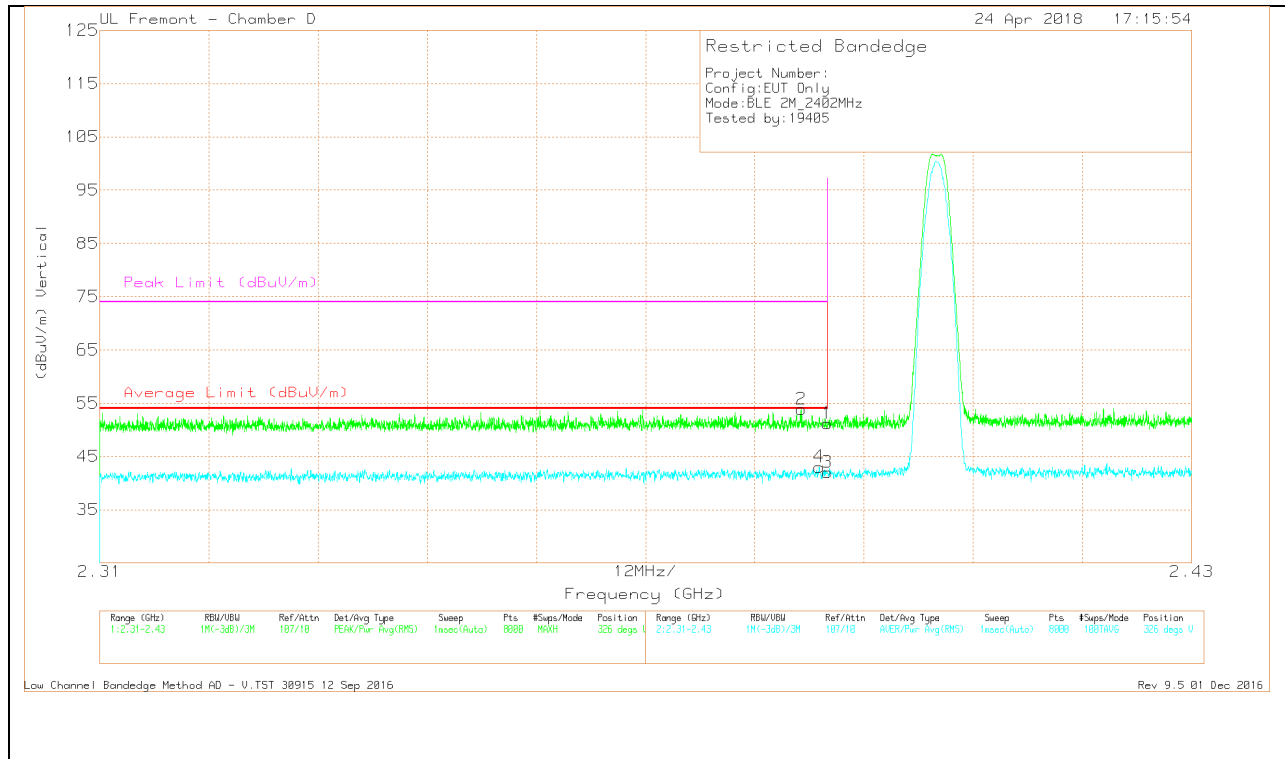
Pk - Peak detector

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 T136 (dB/m)	Amp/Cbl/Fitter/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	* 2.387	42.47	Pk	31.9	-20.5	53.87	-	-	74	-20.13	326	370	V
4	* 2.389	31.62	RMS	31.9	-20.5	43.02	54	-10.98	-	-	326	370	V
1	* 2.39	39.8	Pk	31.9	-20.5	51.2	-	-	74	-22.8	326	370	V
3	* 2.39	30.61	RMS	31.9	-20.5	42.01	54	-11.99	-	-	326	370	V

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

Pk - Peak detector

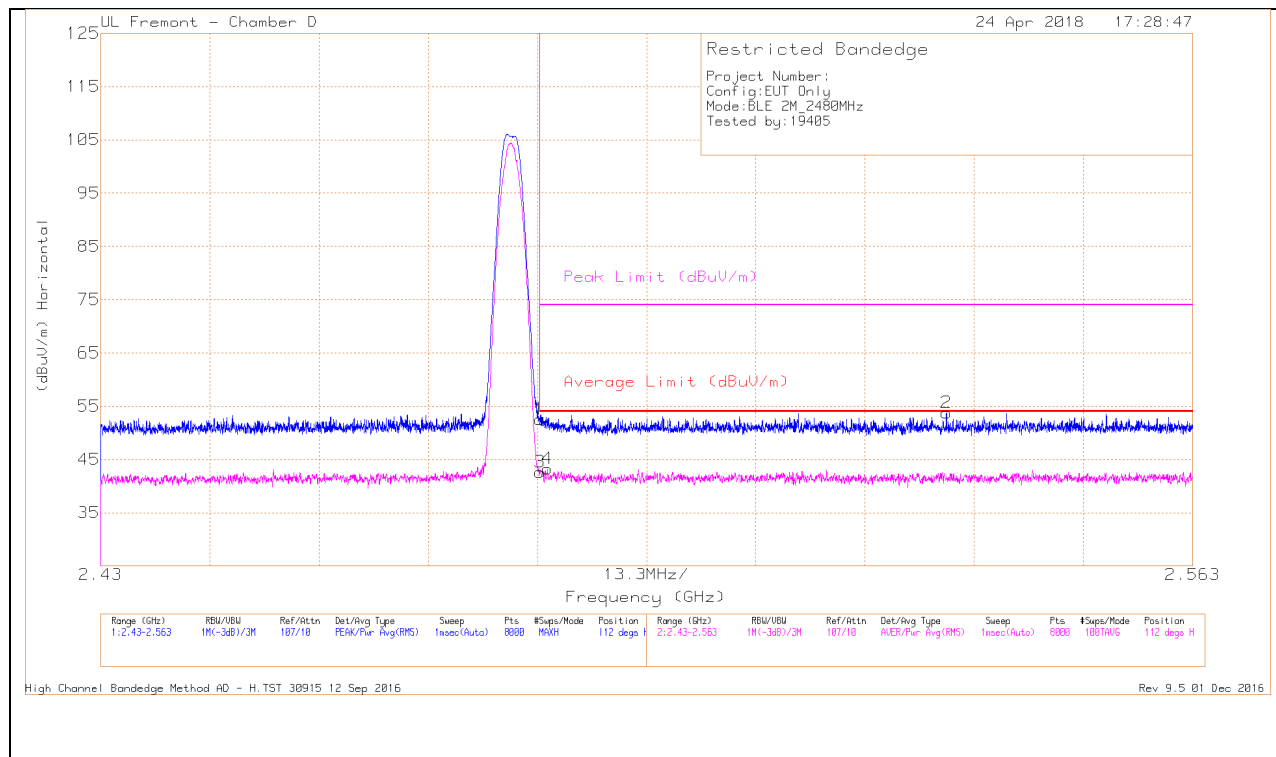
RMS - RMS detection

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

Rev 9.5 01 Dec 2016

BANDEGE (HIGH CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filter/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.52	Pk	32.4	-20.4	52.52	-	-	74	-21.48	112	165	H
3	* 2.484	30.63	RMS	32.4	-20.4	42.63	54	-11.37	-	-	112	165	H
4	* 2.484	31.32	RMS	32.4	-20.5	43.22	54	-10.78	-	-	112	165	H
2	2.533	41.74	Pk	32.4	-20.4	53.74	-	-	74	-20.26	112	165	H

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

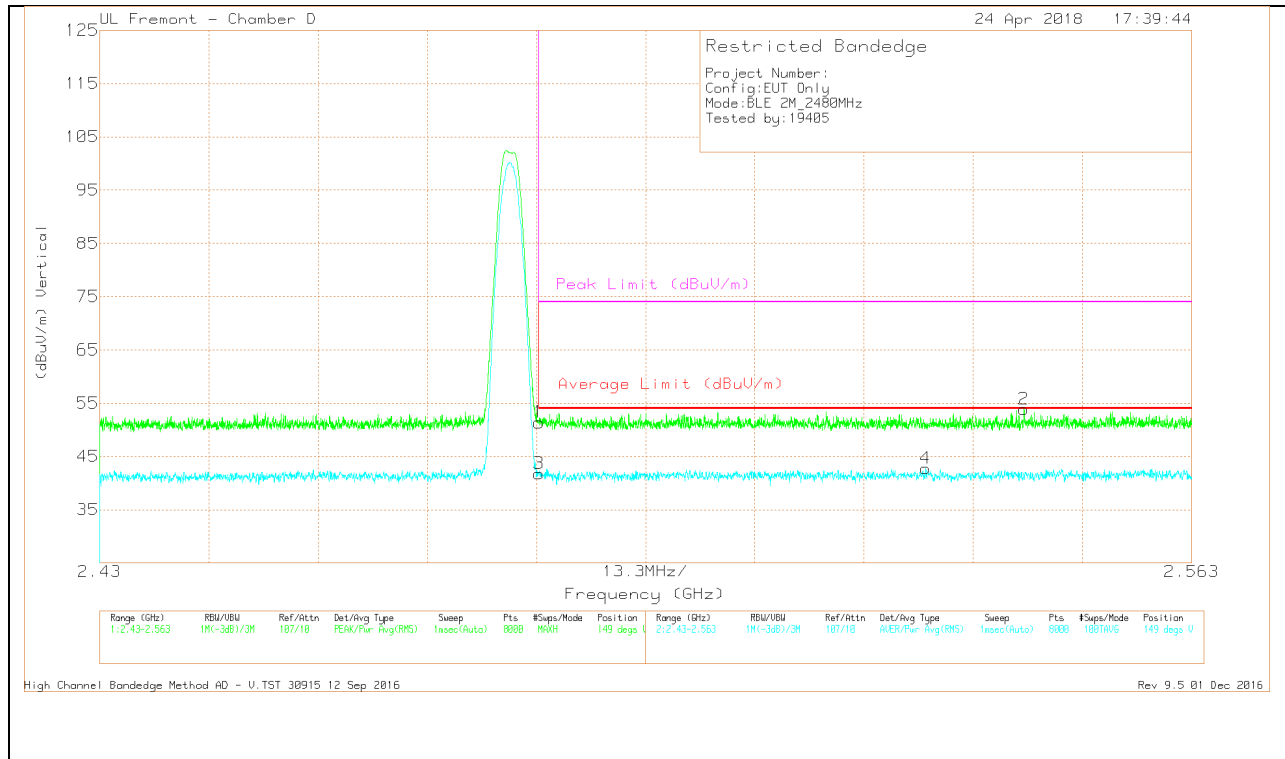
Pk - Peak detector

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 T136 (dB/m)	Amp/Cbl/Fitter/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	39.38	Pk	32.4	-20.4	51.38	-	-	74	-22.62	149	224	V
3	* 2.484	29.76	RMS	32.4	-20.4	41.76	54	-12.24	-	-	149	224	V
4	2.531	30.66	RMS	32.4	-20.3	42.76	54	-11.24	-	-	149	224	V
2	2.543	41.75	Pk	32.4	-20.3	53.85	-	-	74	-20.15	149	224	V

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

Pk - Peak detector

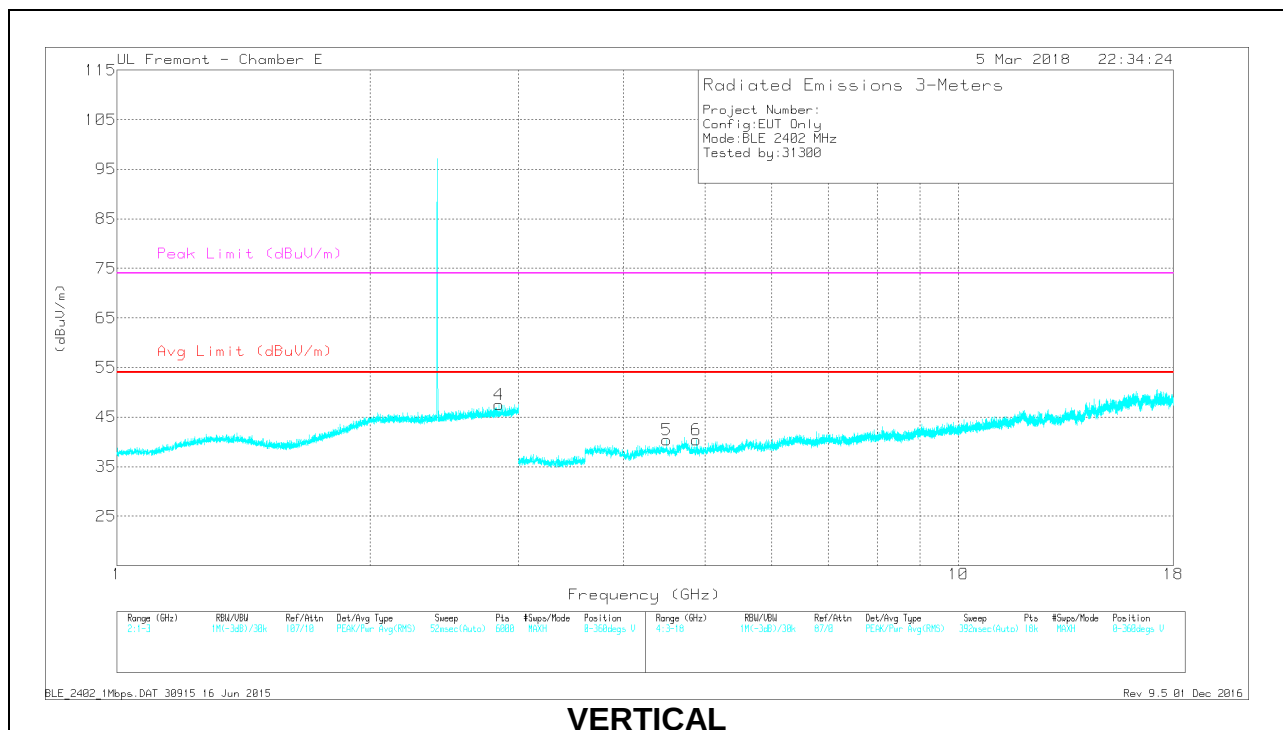
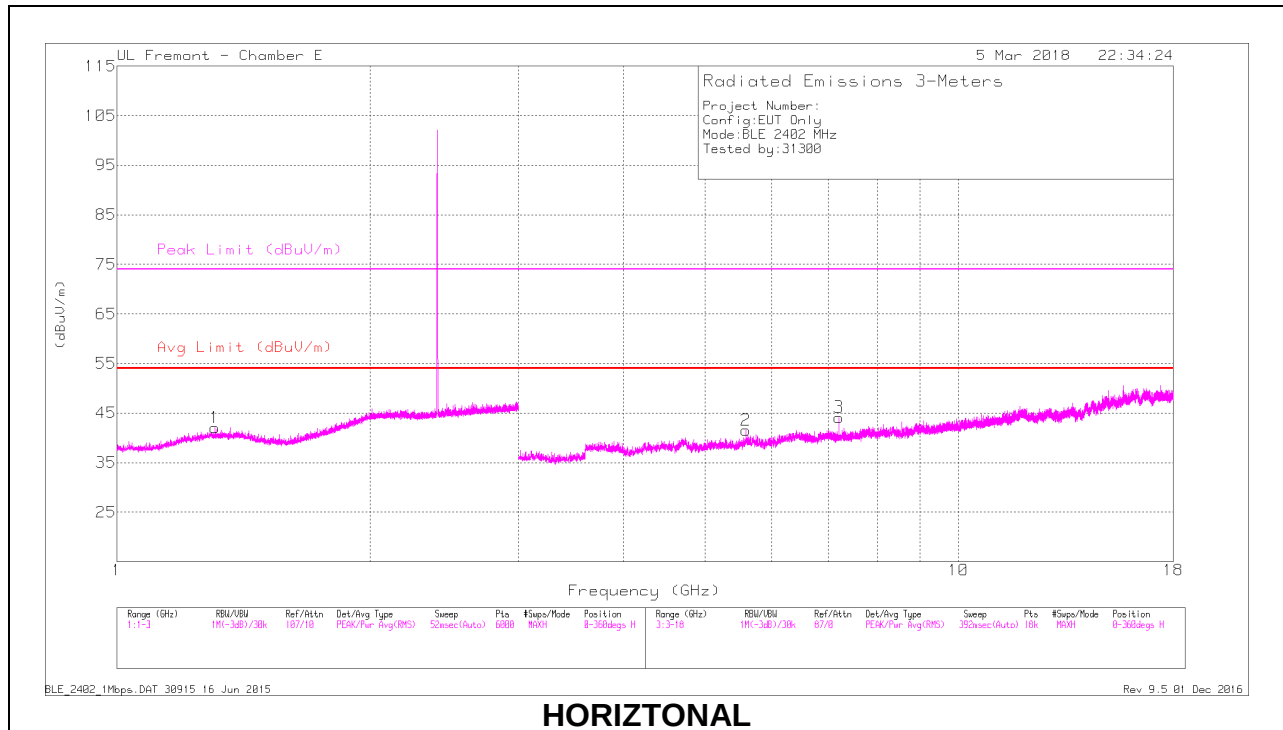
RMS - RMS detection

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

Rev 9.5 01 Dec 2016

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

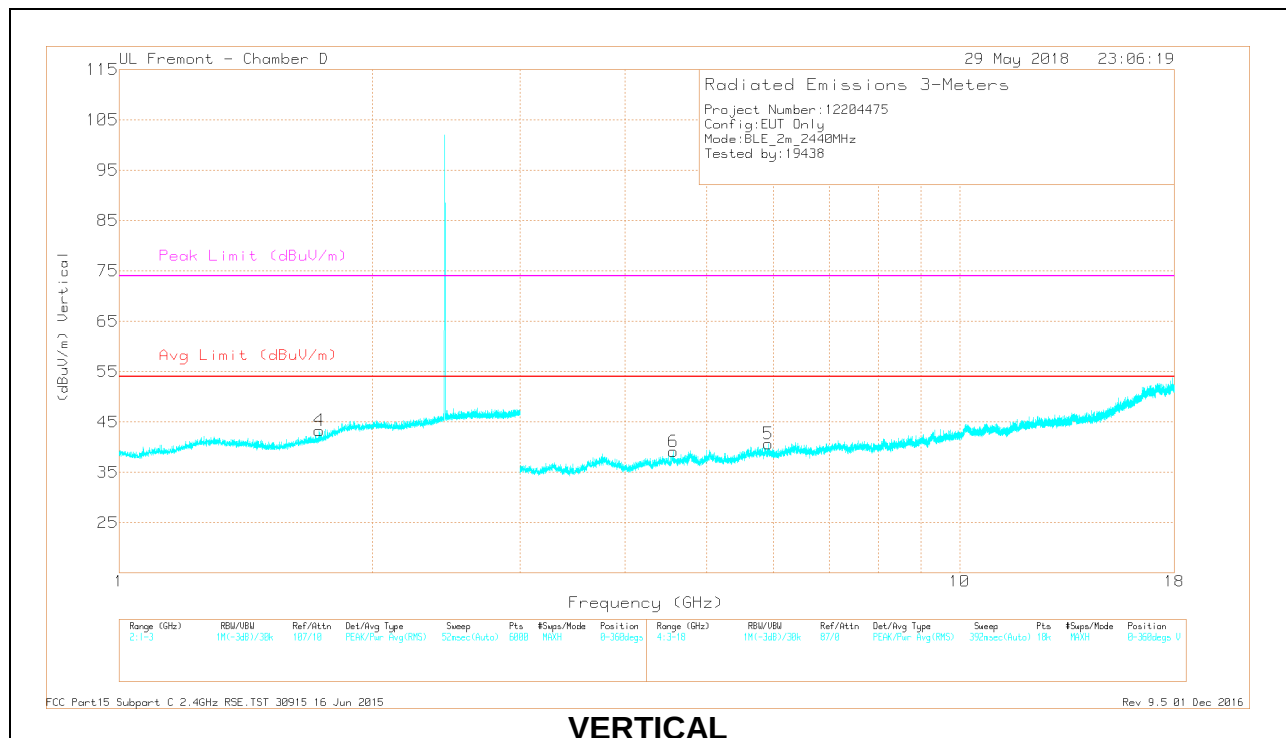
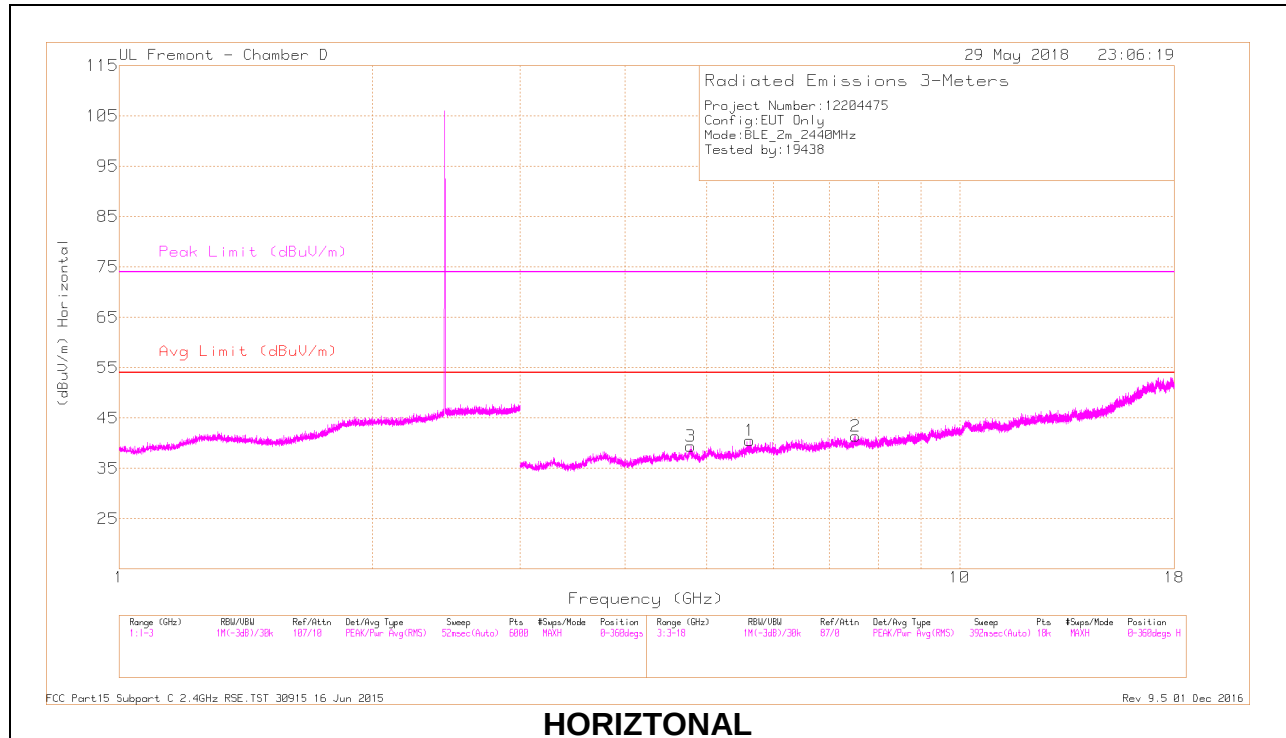
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.306	44.66	PK2	28.9	-25.2	48.36	-	-	74	-25.64	96	182	H
	* 1.309	32.37	MAv1	28.9	-25.2	36.07	54	-17.93	-	-	96	182	H
4	* 2.845	43.19	PK2	32.7	-21.9	53.99	-	-	74	-20.01	232	202	V
	* 2.848	29.68	MAv1	32.7	-21.9	40.48	54	-13.52	-	-	232	202	V
5	* 4.504	40.92	PK2	34.5	-29.2	46.22	-	-	74	-27.78	7	100	V
	* 4.503	29.06	MAv1	34.5	-29.2	34.36	54	-19.64	-	-	7	100	V
6	* 4.878	40.64	PK2	34.5	-29.6	45.54	-	-	74	-28.46	29	122	V
	* 4.878	28.42	MAv1	34.5	-29.6	33.32	54	-20.68	-	-	29	122	V
2	5.59	41.4	PK2	35	-28.5	47.9	-	-	-	-	360	147	H
	5.592	29.02	MAv1	35	-28.5	35.52	-	-	-	-	360	147	H
3	7.205	42.1	PK2	36.1	-26.8	51.4	-	-	-	-	298	219	H
	7.207	32.61	MAv1	36.1	-26.8	41.91	-	-	-	-	298	219	H

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS



RADIATED EMISSIONS

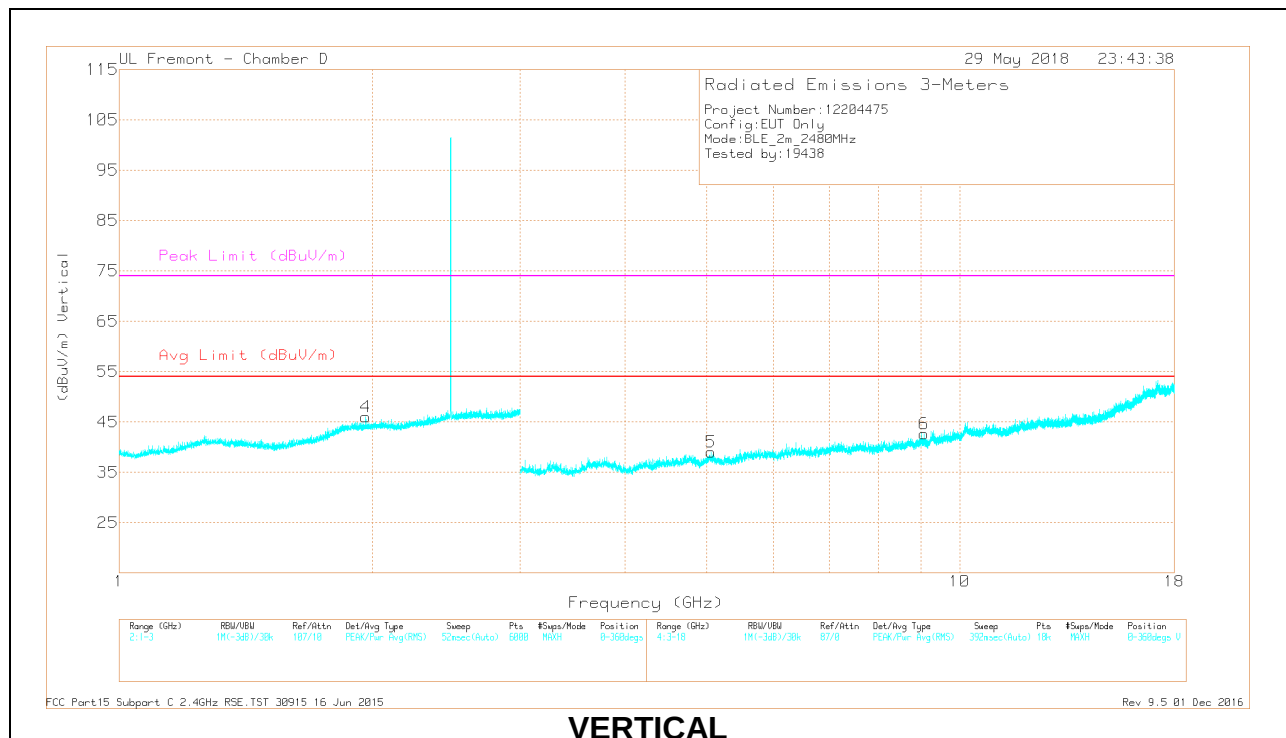
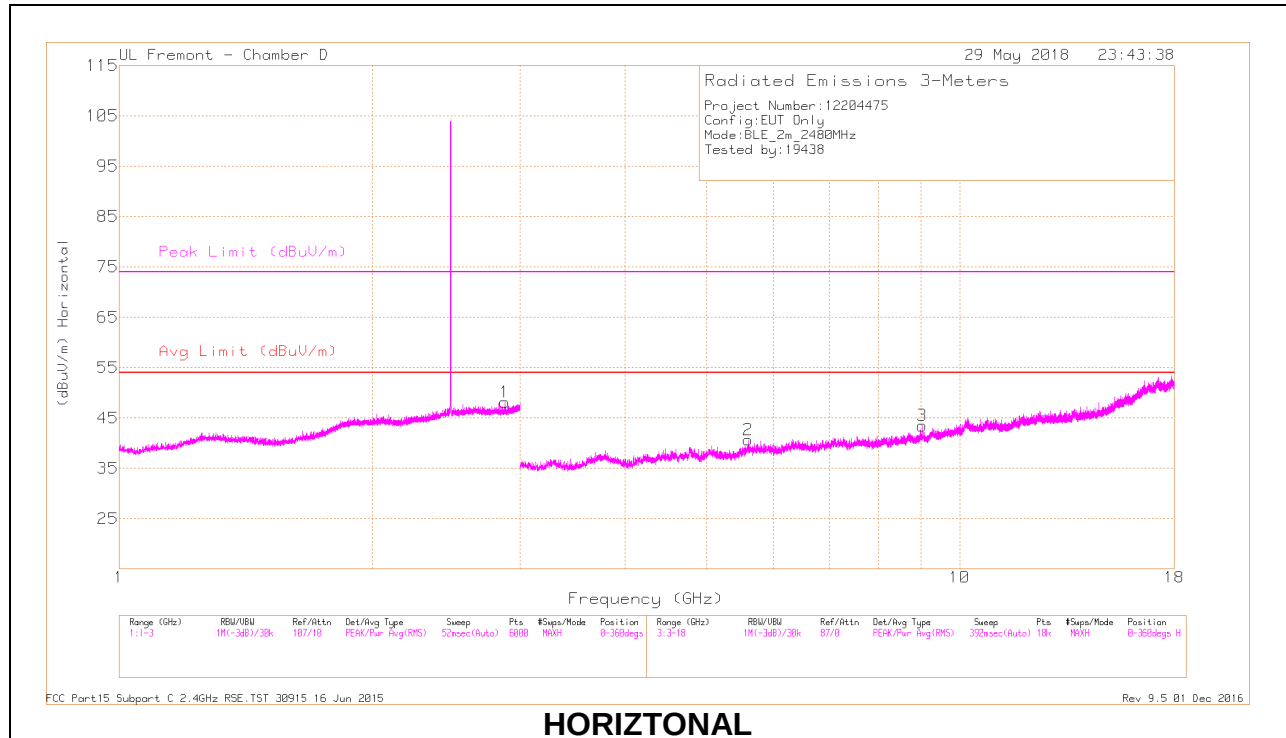
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 7.536	35.8	PK2	36.3	-24.5	47.6	-	-	74	-26.4	309	388	H
	* 7.512	24.61	MAv1	36.3	-24.4	36.51	54	-17.49	-	-	309	388	H
3	* 4.777	37.41	PK2	34.5	-26.2	45.71	-	-	74	-28.29	175	323	H
	* 4.767	25.78	MAv1	34.5	-26.3	33.98	54	-20.02	-	-	175	323	H
6	* 4.576	38.63	PK2	34.6	-27.7	45.53	-	-	74	-28.47	311	153	V
	* 4.55	26.56	MAv1	34.6	-27.6	33.56	54	-20.44	-	-	311	153	V
4	1.716	41.96	PK2	29.2	-21.4	49.76	-	-	-	-	339	151	V
1	5.643	36.86	PK2	35.3	-26.3	45.86	-	-	-	-	258	209	H
5	5.934	36.86	PK2	35.8	-26.2	46.46	-	-	-	-	244	360	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.894	41.3	PK2	32.5	-19.9	53.9	-	-	74	-20.1	168	329	H
	* 2.868	29.73	MAv1	32.5	-19.9	42.33	54	-11.67	-	-	168	329	H
3	* 9.018	33.9	PK2	36.2	-21	49.1	-	-	74	-24.9	173	342	H
	* 9.009	22.79	MAv1	36.2	-21.4	37.59	54	-16.41	-	-	173	342	H
5	* 5.046	37.55	PK2	34.5	-26.2	45.85	-	-	74	-28.15	177	234	V
	* 5.043	25.4	MAv1	34.4	-26.2	33.6	54	-20.4	-	-	177	234	V
6	* 9.05	33.99	PK2	36.2	-21.3	48.89	-	-	74	-25.11	12	132	V
	* 9.08	22.23	MAv1	36.3	-21.7	36.83	54	-17.17	-	-	12	132	V
4	1.949	41.88	PK2	31.4	-21.1	52.18	-	-	-	-	96	228	V
2	5.605	37.76	PK2	35.2	-26.2	46.76	-	-	-	-	96	285	H

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

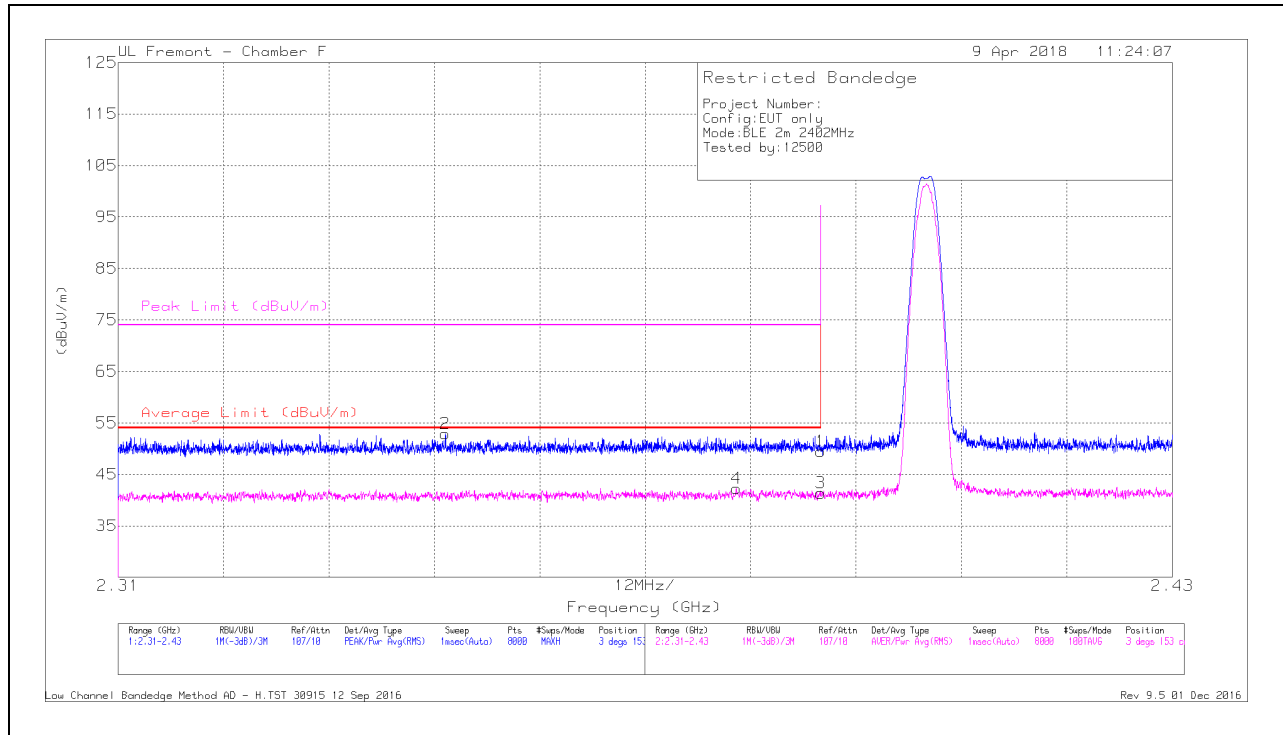
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

Antenna 3

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



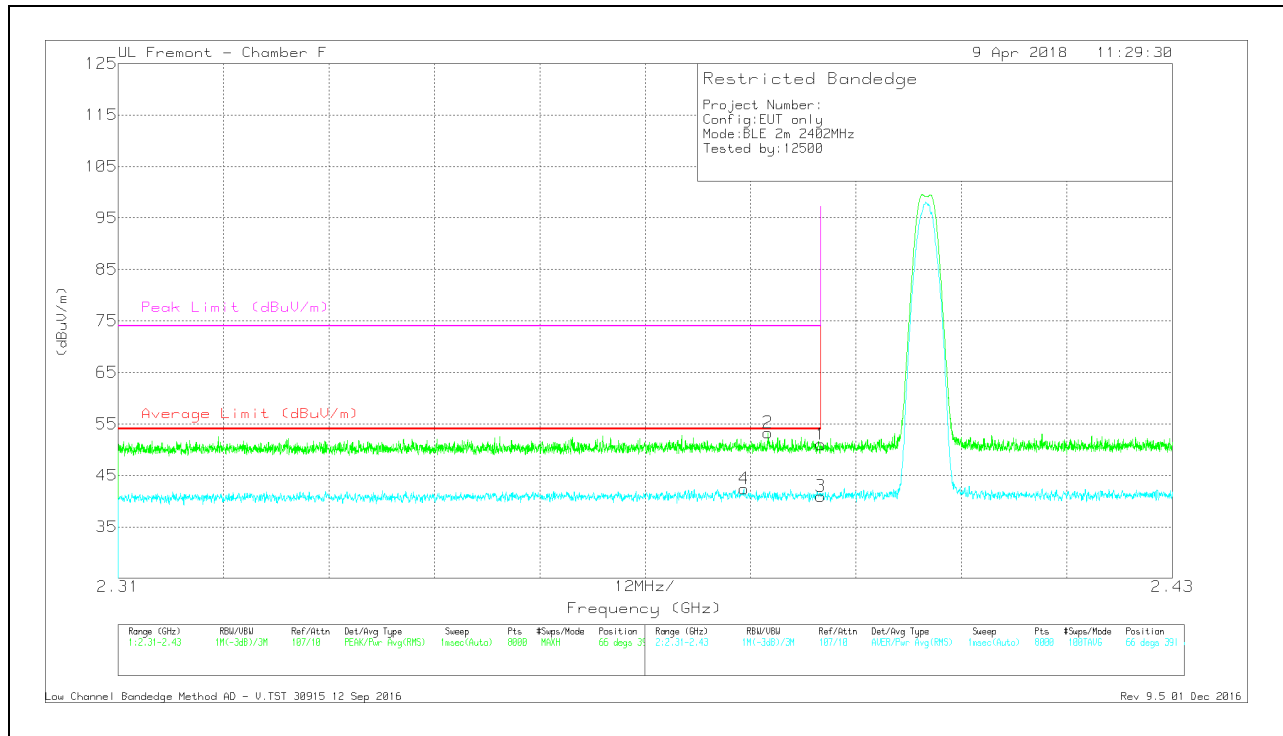
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/Fl tr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	38.17	Pk	31.9	-20.6	49.47	-	-	74	-24.53	3	153	H
2	* 2.347	41.87	Pk	31.7	-20.7	52.87	-	-	74	-21.13	3	153	H
3	* 2.39	30.06	RMS	31.9	-20.6	41.36	54	-12.64	-	-	3	153	H
4	* 2.38	31.07	RMS	31.8	-20.6	42.27	54	-11.73	-	-	3	153	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 T119 (dB/m)	Amp/Cb/Fl tr/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	39.72	Pk	31.9	-20.6	51.02	-	-	74	-22.98	66	391	V
2	* 2.384	42.08	Pk	31.8	-20.6	53.28	-	-	74	-20.72	66	391	V
3	* 2.39	29.65	RMS	31.9	-20.6	40.95	54	-13.05	-	-	66	391	V
4	* 2.381	31.21	RMS	31.8	-20.6	42.41	54	-11.59	-	-	66	391	V

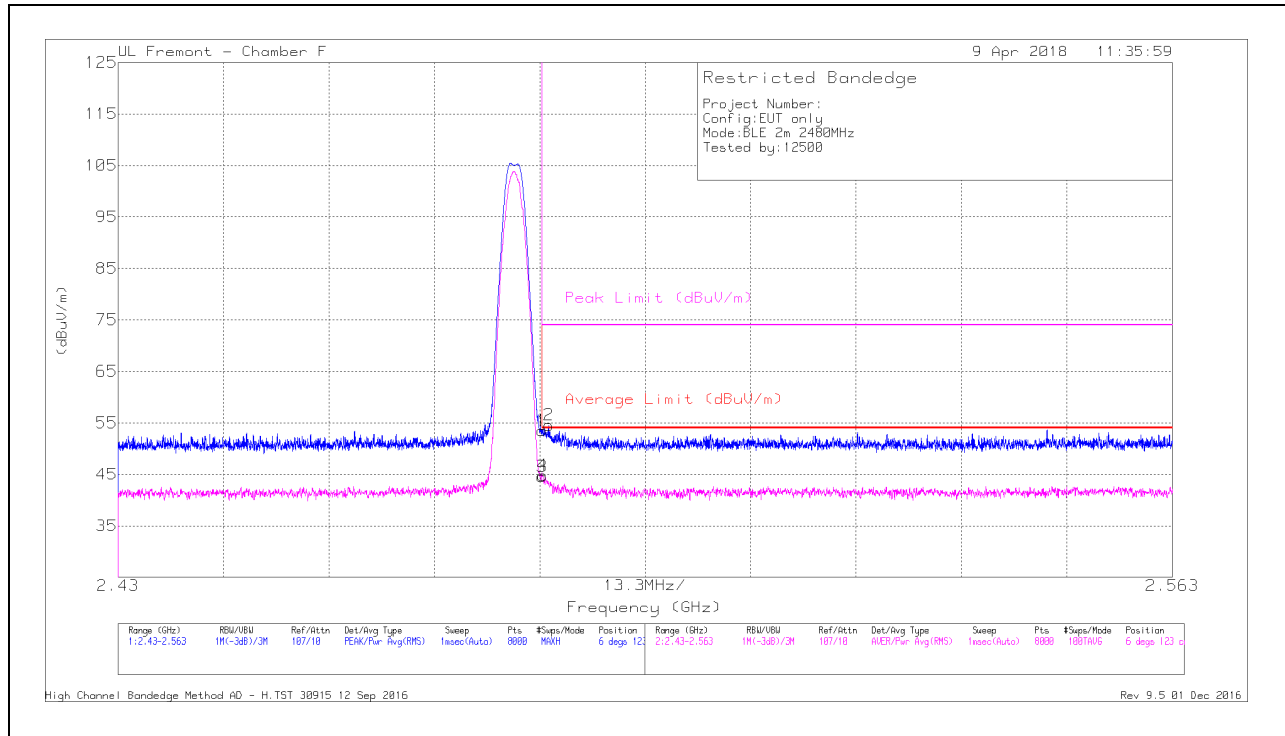
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



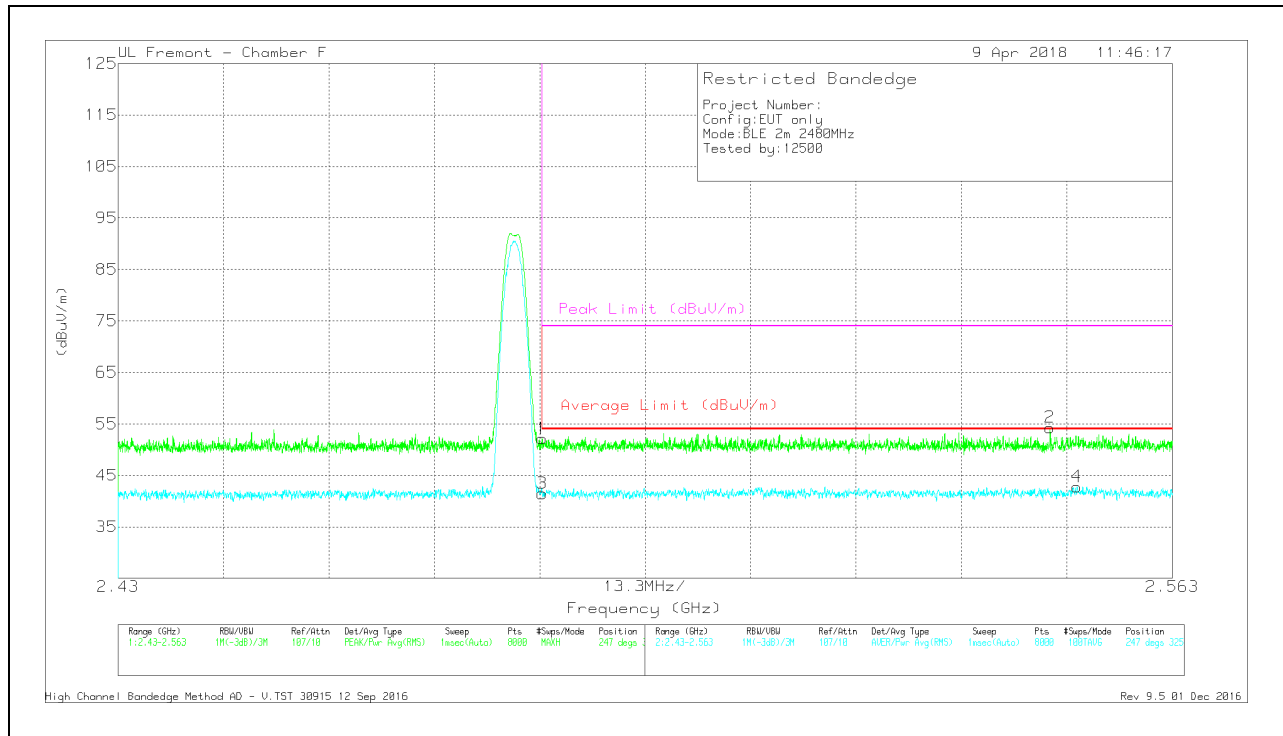
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	42.08	Pk	32.1	-20.7	53.48	-	-	74	-20.52	6	123	H
2	* 2.484	43.05	Pk	32.2	-20.7	54.55	-	-	74	-19.45	6	123	H
3	* 2.484	33.19	RMS	32.1	-20.7	44.59	54	-9.41	-	-	6	123	H
4	* 2.484	33.44	RMS	32.1	-20.7	44.84	54	-9.16	-	-	6	123	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 T119 (dB/m)	Amp/Cbl/Fr tr/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	40.77	Pk	32.1	-20.7	52.17	-	-	74	-21.83	247	325	V
2	2.548	42.7	Pk	32.2	-20.6	54.3	-	-	74	-19.7	247	325	V
3	* 2.484	30.09	RMS	32.1	-20.7	41.49	54	-12.51	-	-	247	325	V
4	2.551	31.1	RMS	32.2	-20.5	42.8	54	-11.2	-	-	247	325	V

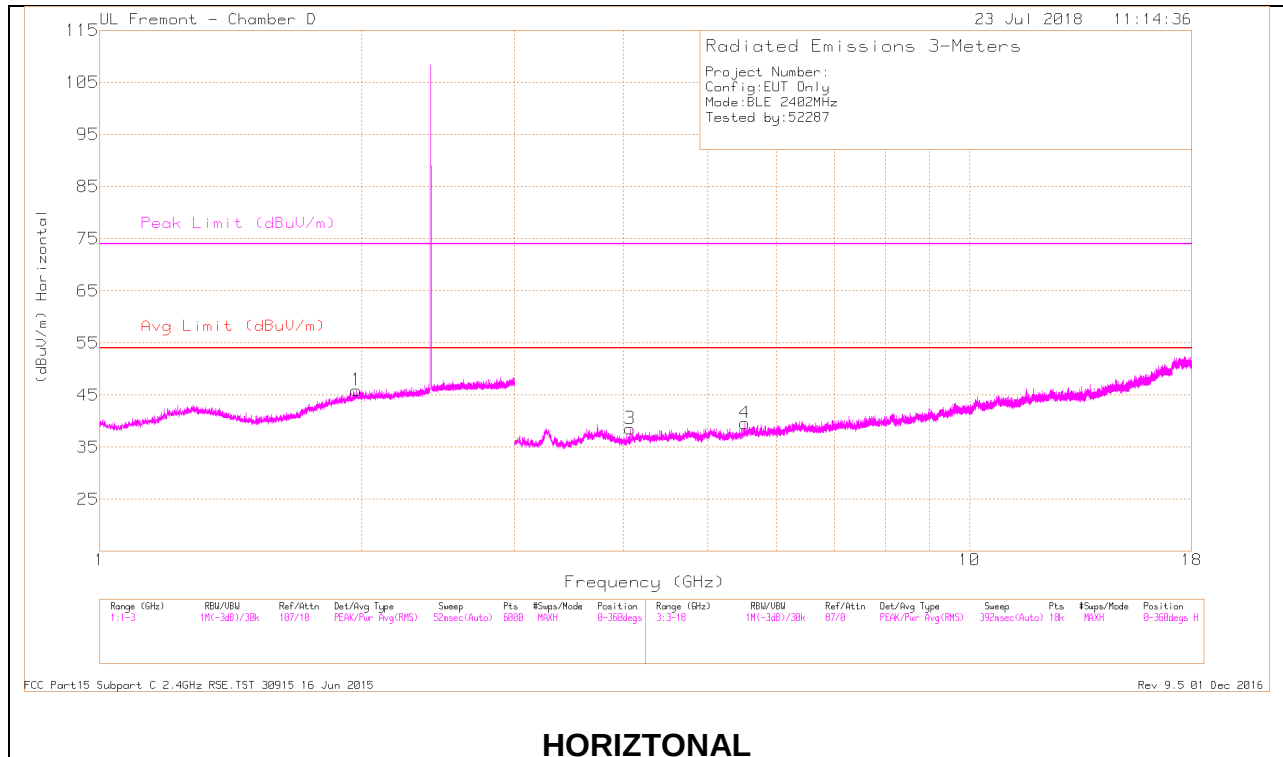
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

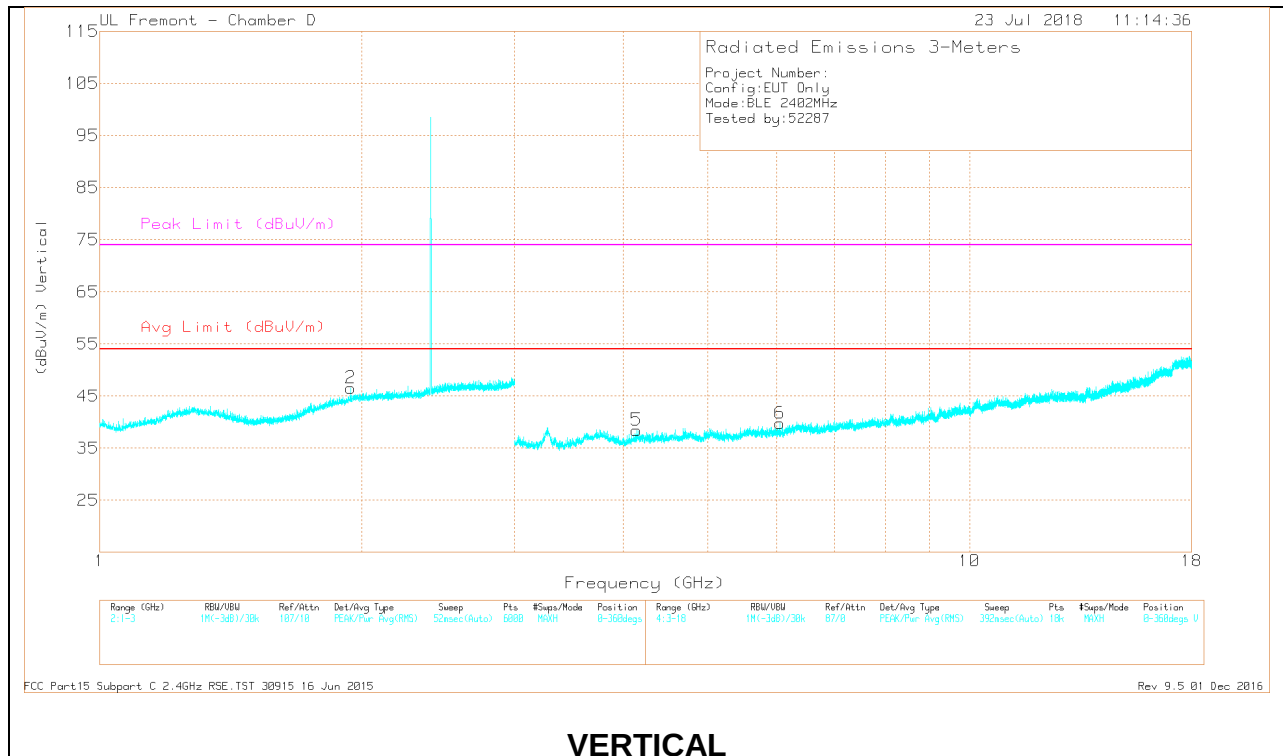
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 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
3	* 4.072	37.35	PK2	34.1	-28	43.45	-	-	74	-30.55	156	154	H
	* 4.073	25.65	MAv1	34.1	-28	31.75	54	-22.25	-	-	156	154	H
5	* 4.142	37.92	PK2	34	-27.7	44.22			74	-29.78	57	383	V
	* 4.142	25.94	MAv1	34	-27.7	32.24	54	-21.76	-	-	57	383	V
2	1.943	41.23	PK2	31.6	-21.1	51.73			74	-22.27	170	123	V
	1.945	29.68	MAv1	31.6	-21.2	40.08	54	-13.92			170	123	V
1	1.974	41.58	PK2	32	-21.1	52.48			74	-21.52	303	180	H
	1.972	29.74	MAv1	31.9	-21.1	40.54	54	-13.46			303	180	H
4	5.515	37.94	PK2	34.6	-27	45.54			74	-28.46	125	161	H
	5.513	25.58	MAv1	34.6	-27	33.18	54	-20.82			125	161	H
6	6.053	37.04	PK2	35.3	-26.7	45.64			74	-28.36	171	139	V
	6.056	25.11	MAv1	35.3	-26.7	33.71	54	-20.29			171	139	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

RADIATED EMISSIONS

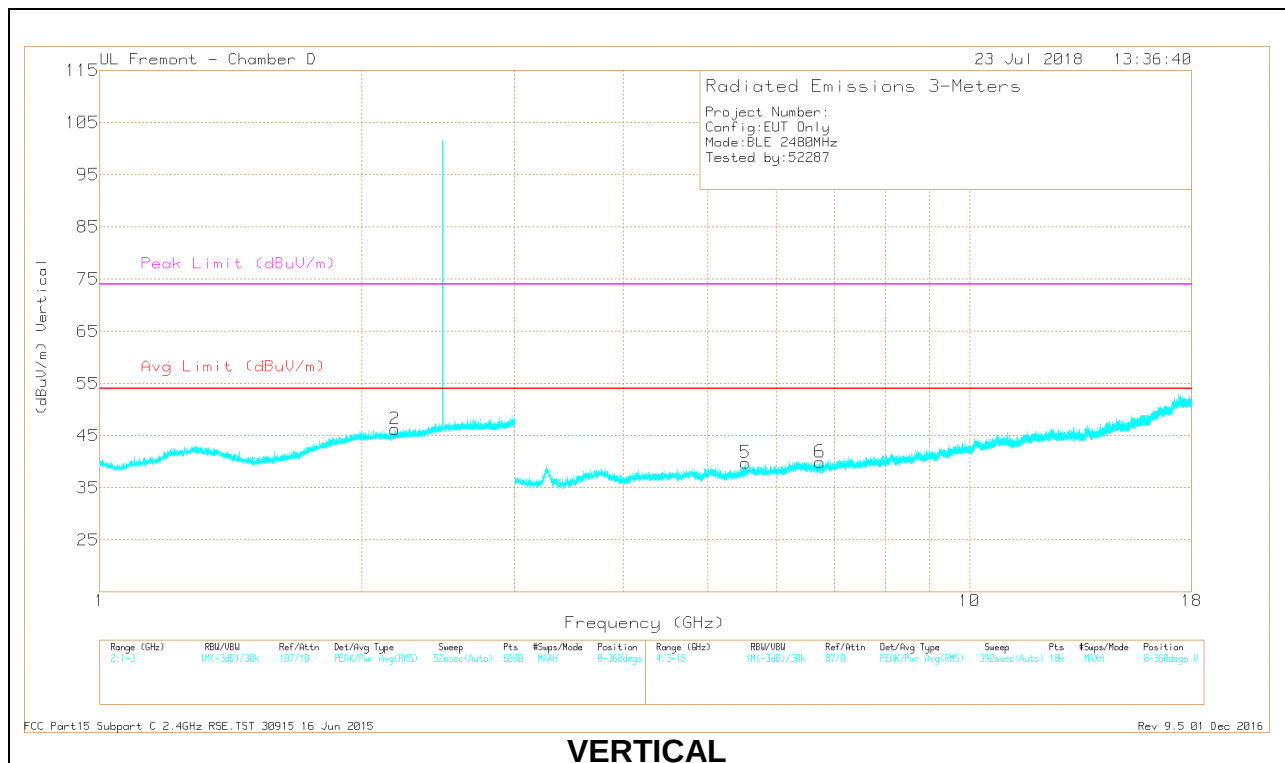
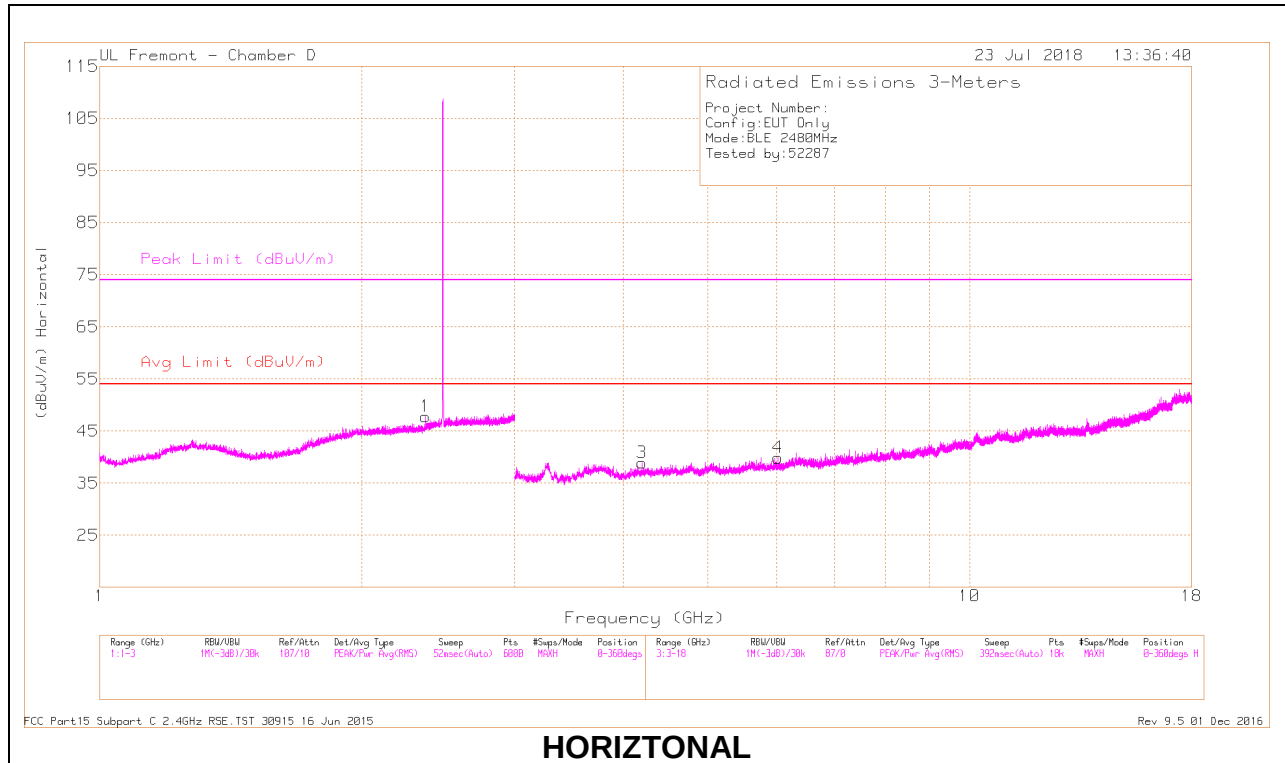
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* 4.766	37.4	PK2	34.3	-26.3	45.4			74	-28.6	87	399	H
	* 4.768	26.17	MAv1	34.3	-26.3	34.17	54	-19.83			87	399	H
2	1.902	41.41	PK2	31.3	-21.1	51.61			74	-23.39	182	346	V
	1.904	29.71	MAv1	31.3	-21.1	39.91	54	-14.09			182	346	V
1	2.075	41.72	PK2	31.7	-20.9	52.52			74	-21.48	354	123	H
	2.078	29.75	MAv1	31.8	-20.9	40.65	54	-13.35			354	123	H
5	3.258	39.21	PK2	35.1	-27.8	46.51			74	-27.49	302	321	V
	3.256	27.25	MAv1	34.9	-27.9	34.25	54	-19.75			302	321	V
4	5.616	37.25	PK2	34.7	-26.2	45.75			74	-28.25	161	176	H
	5.618	25.26	MAv1	34.7	-26.2	33.76	54	-20.24			161	176	H
6	6.363	36.86	PK2	35.5	-25.8	46.56			74	-27.44	264	118	V
	6.362	25.09	MAv1	35.5	-25.8	34.79	54	-19.21			264	118	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fit r/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	* 2.372	41.68	PK2	32	-20.5	53.18			74	-20.82	13	295	H
	* 2.371	29.8	MAv1	32	-20.6	41.2	54	-12.8	-	-	13	295	H
3	* 4.203	37.68	PK2	33.9	-27.2	44.38			74	-29.62	123	181	H
	* 4.204	25.93	MAv1	33.9	-27.2	32.63	54	-21.37	-	-	123	181	H
2	2.184	39.32	PK2	31.7	-20.8	50.22			74	-23.78	175	101	V
	2.185	28.45	MAv1	31.7	-20.8	39.35	54	-14.64			175	126	V
5	5.524	37.81	PK2	34.6	-26.9	45.51			74	-28.49	228	323	V
	5.525	25.87	MAv1	34.6	-26.9	33.57	54	-20.43			228	323	V
4	6.024	36.84	PK2	35.3	-26.5	45.64			74	-28.36	70	146	H
	6.026	25.55	MAv1	35.2	-26.6	34.15	54	-19.85			70	146	H
6	6.728	35.45	PK2	35.6	-25.5	45.55			74	-28.45	320	203	V
	6.732	24.41	MAv1	35.6	-25.5	34.51	54	-19.49			320	203	V

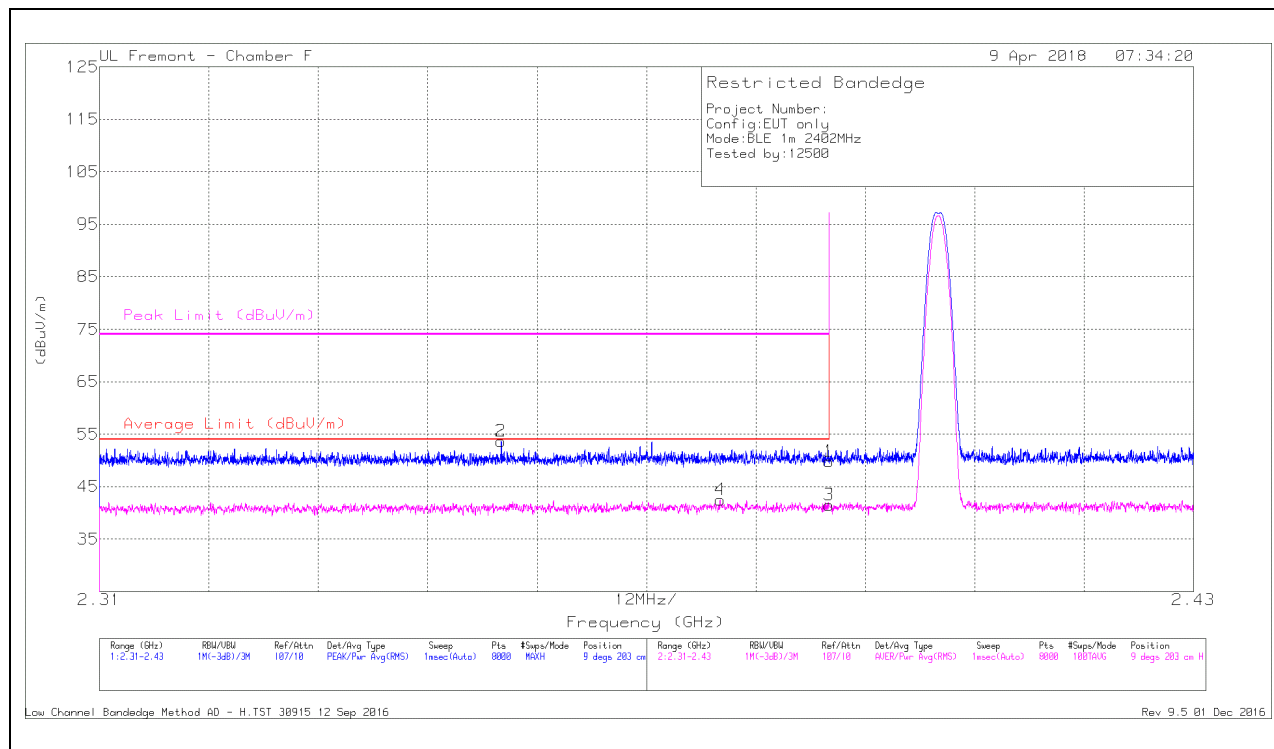
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average

9.2.3. LOW POWER BLE (1Mbps)

Antenna 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



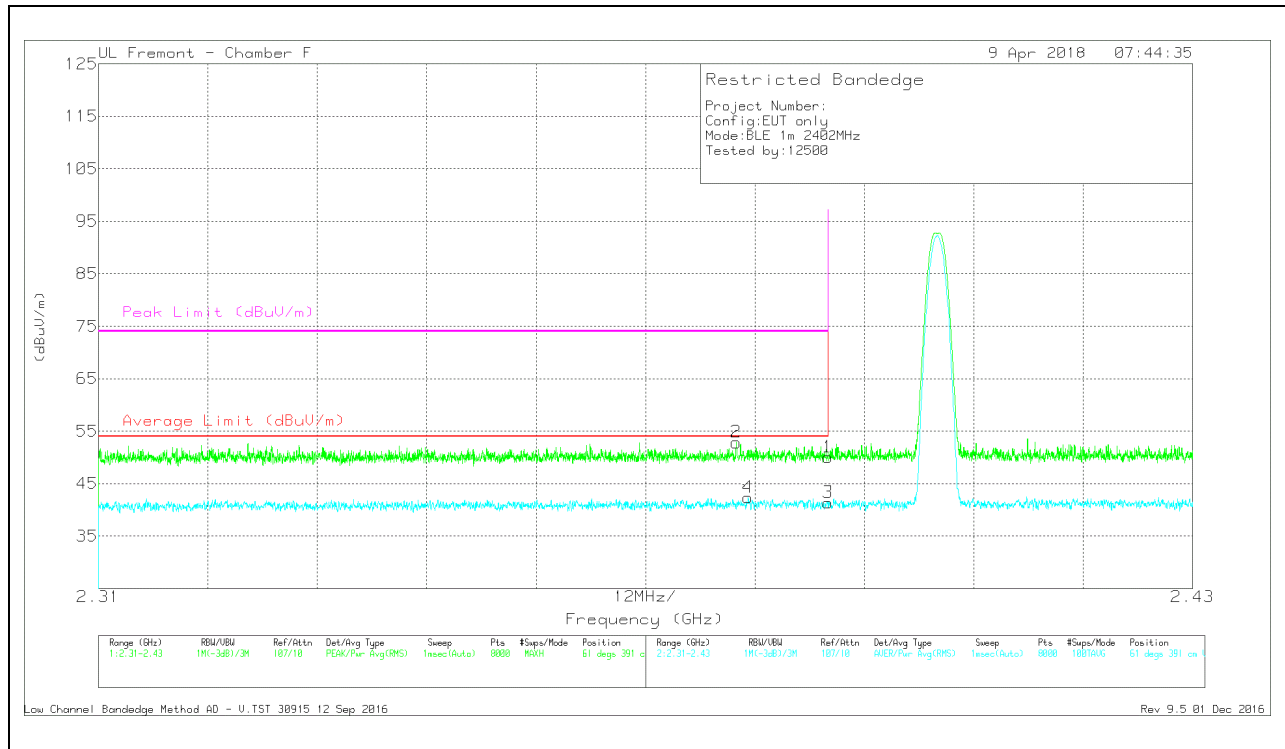
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	38.46	Pk	31.9	-20.6	49.76	-	-	74	-24.24	9	203	H
2	* 2.354	42.53	Pk	31.8	-20.7	53.63	-	-	74	-20.37	9	203	H
3	* 2.39	30.13	RMS	31.9	-20.6	41.43	54	-12.57	-	-	9	203	H
4	* 2.378	31.22	RMS	31.8	-20.6	42.42	54	-11.58	-	-	9	203	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 T119 (dB/m)	Amp/Cb/Fl tr/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	38.72	Pk	31.9	-20.6	50.02	-	-	74	-23.98	61	391	V
2	* 2.38	41.64	Pk	31.8	-20.6	52.84	-	-	74	-21.16	61	391	V
3	* 2.39	30	RMS	31.9	-20.6	41.3	54	-12.7	-	-	61	391	V
4	* 2.381	31.16	RMS	31.8	-20.6	42.36	54	-11.64	-	-	61	391	V

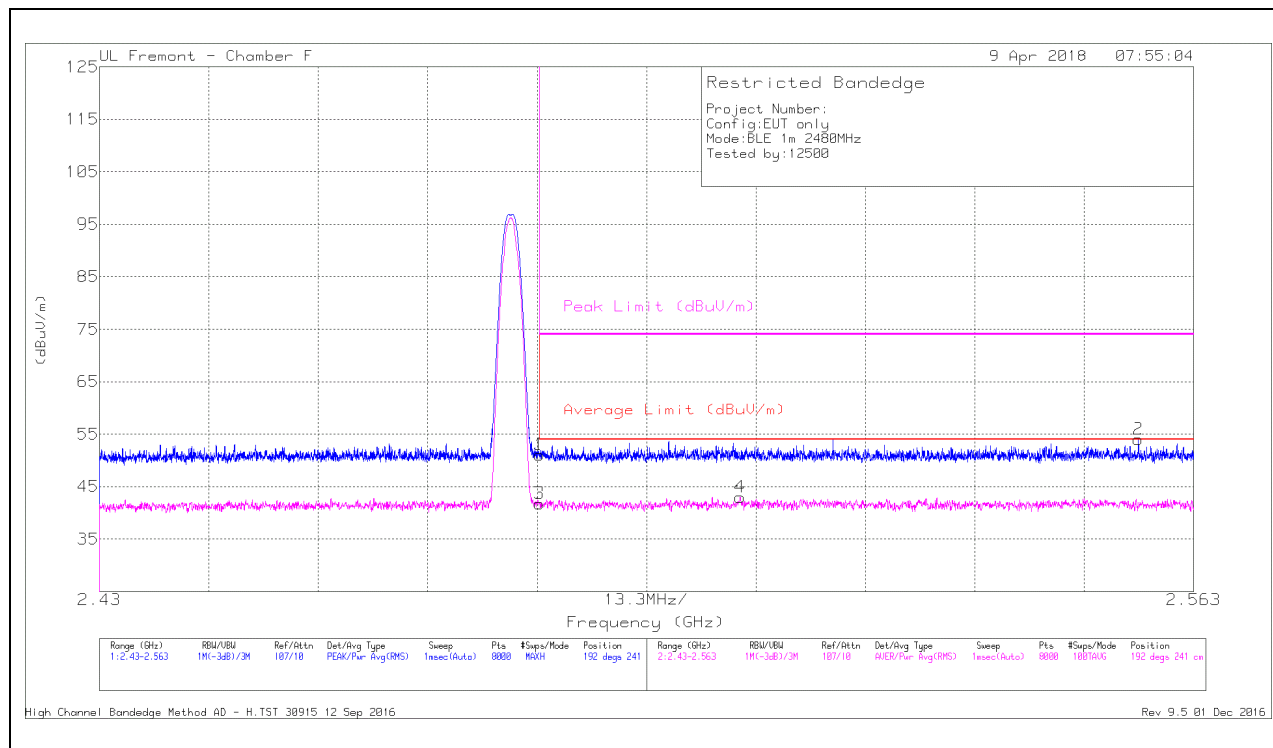
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



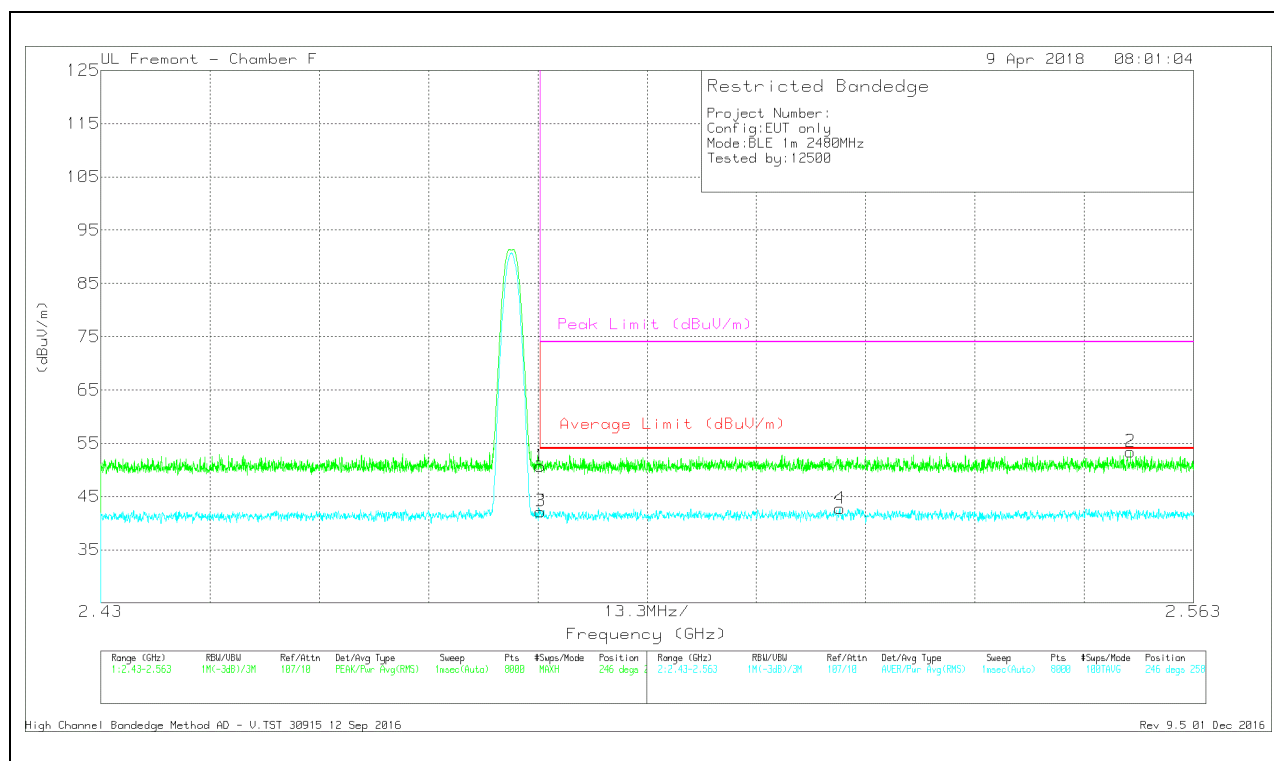
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	39.61	Pk	32.1	-20.7	51.01	-	-	74	-22.99	192	241	H
2	2.556	42.51	Pk	32.2	-20.7	54.01	-	-	74	-19.99	192	241	H
3	* 2.484	30.34	RMS	32.1	-20.7	41.74	54	-12.26	-	-	192	241	H
4	2.508	31.39	RMS	32.2	-20.6	42.99	54	-11.01	-	-	192	241	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 T119 (dB/m)	Amp/Cb/FI tr/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	39.27	Pk	32.1	-20.7	50.67	-	-	74	-23.33	246	258	V
2	2.555	41.81	Pk	32.2	-20.6	53.41	-	-	74	-20.59	246	258	V
3	* 2.484	30.8	RMS	32.1	-20.7	42.2	54	-11.8	-	-	246	258	V
4	2.52	31.13	RMS	32.2	-20.6	42.73	54	-11.27	-	-	246	258	V

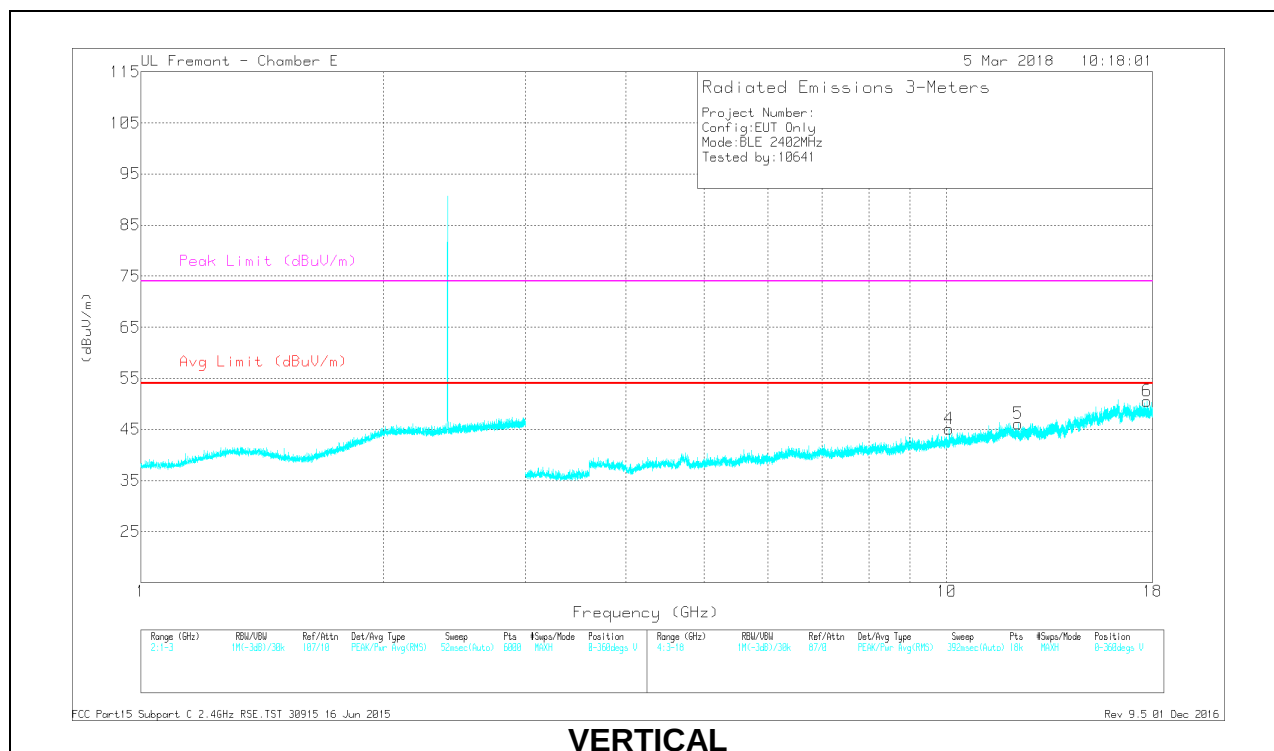
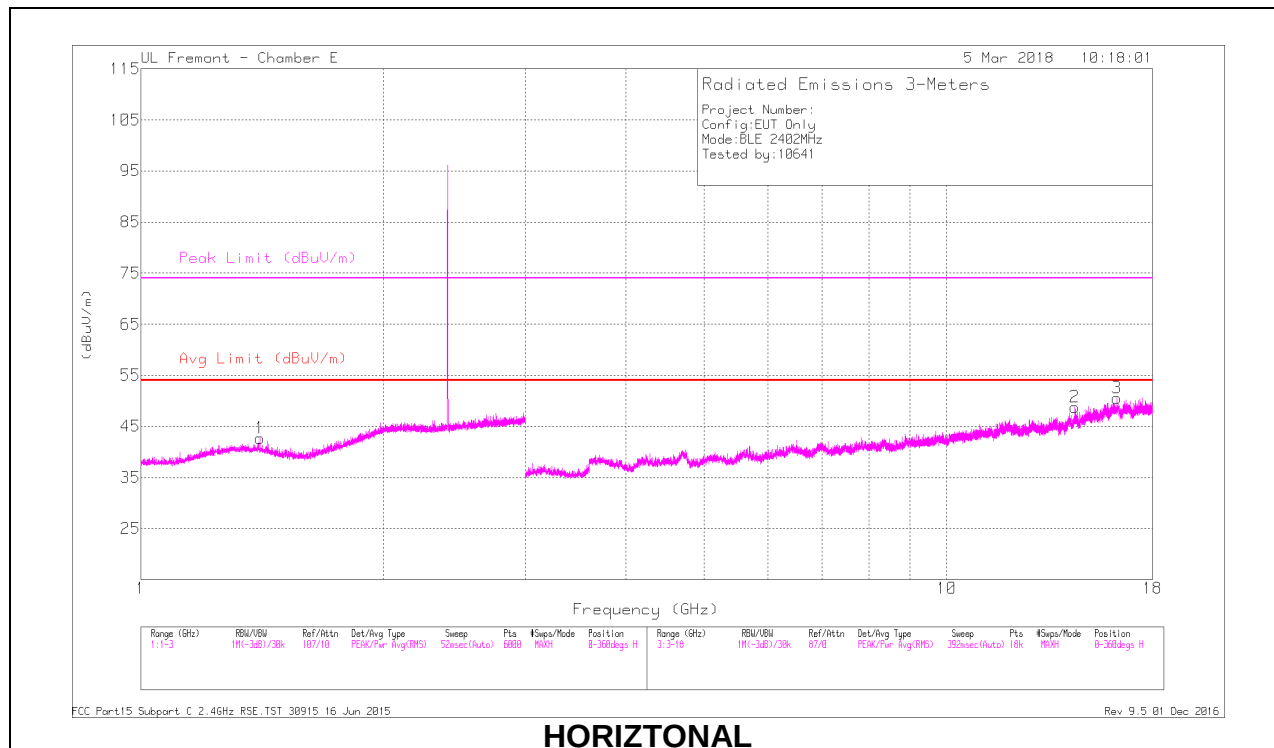
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

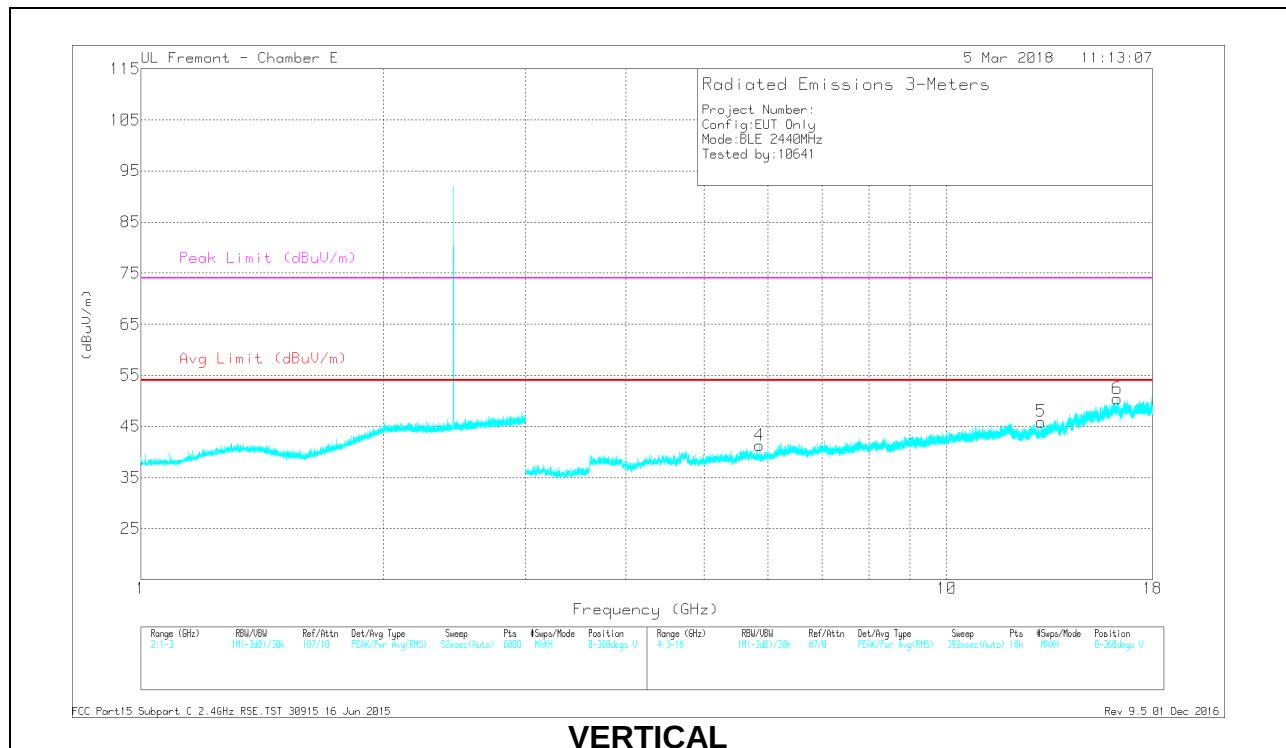
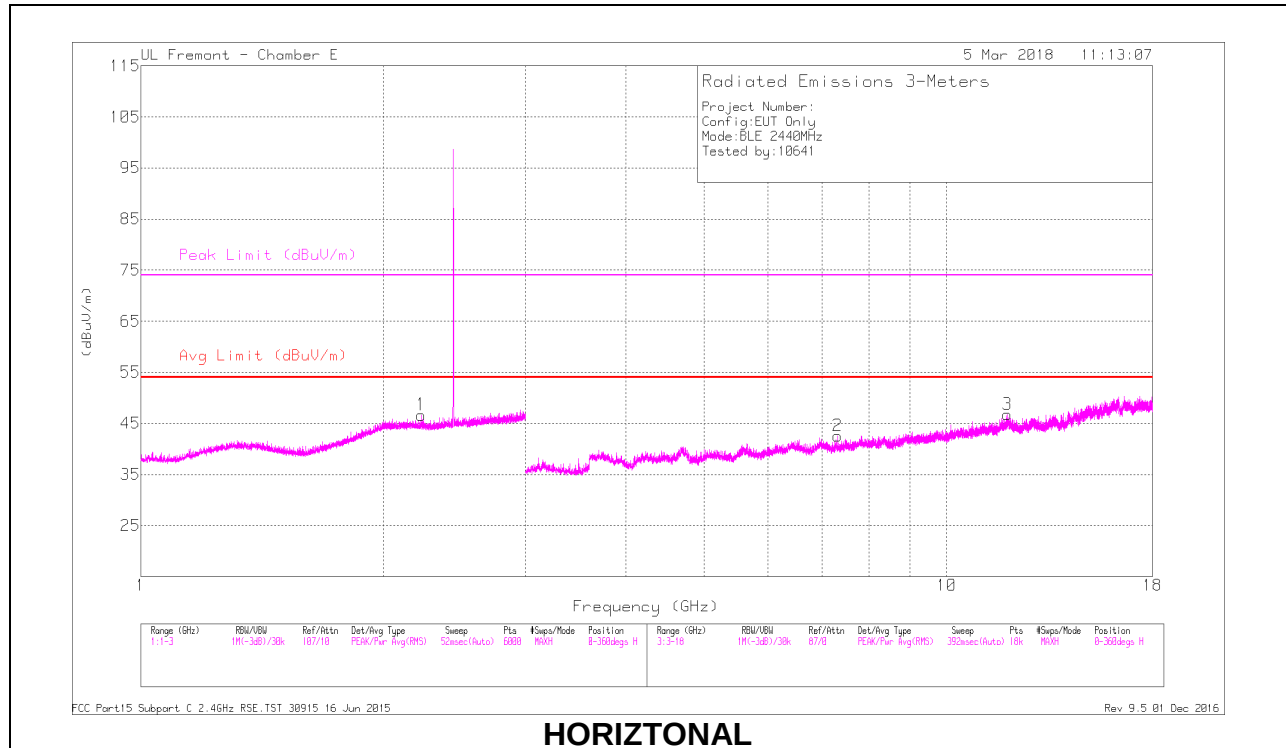
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.41	45.3	PK2	28.7	-25	49	-	-	74	-25	259	372	H
	* 1.397	32.33	MAv1	28.8	-25.1	36.03	54	-17.97	-	-	259	372	H
2	14.425	39	PK2	40.8	-23.1	56.7	-	-	-	-	250	106	H
3	16.257	35.94	PK2	41.2	-20.5	56.64	-	-	-	-	360	357	H
4	10.078	36.12	PK2	37.6	-22.6	51.12	-	-	-	-	358	128	V
5	* 12.268	36.42	PK2	39	-23.7	51.72	-	-	74	-22.28	255	159	V
	* 12.279	24.52	MAv1	38.9	-23.7	39.72	54	-14.28	-	-	255	159	V
6	* 17.706	36.25	PK2	41.9	-20.9	57.25	-	-	74	-16.75	175	131	V
	* 17.709	23.23	MAv1	41.9	-21	44.13	54	-9.87	-	-	175	131	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS



RADIATED EMISSIONS

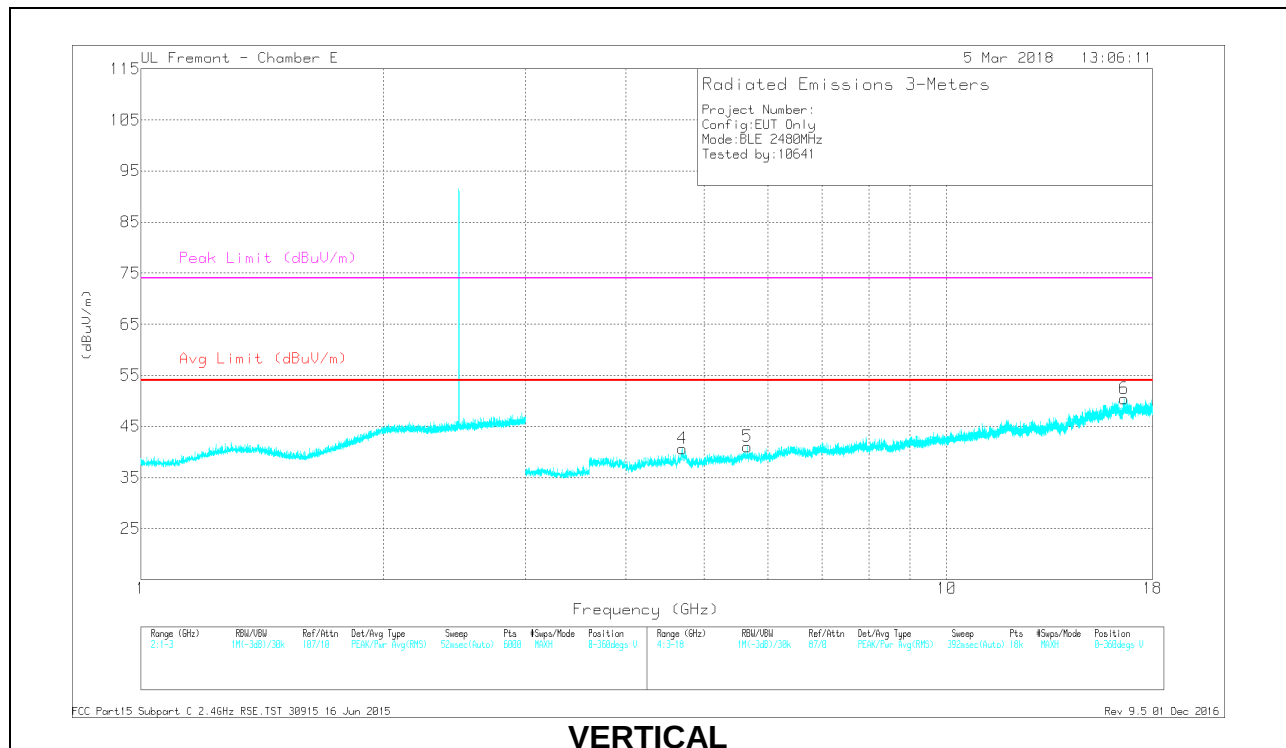
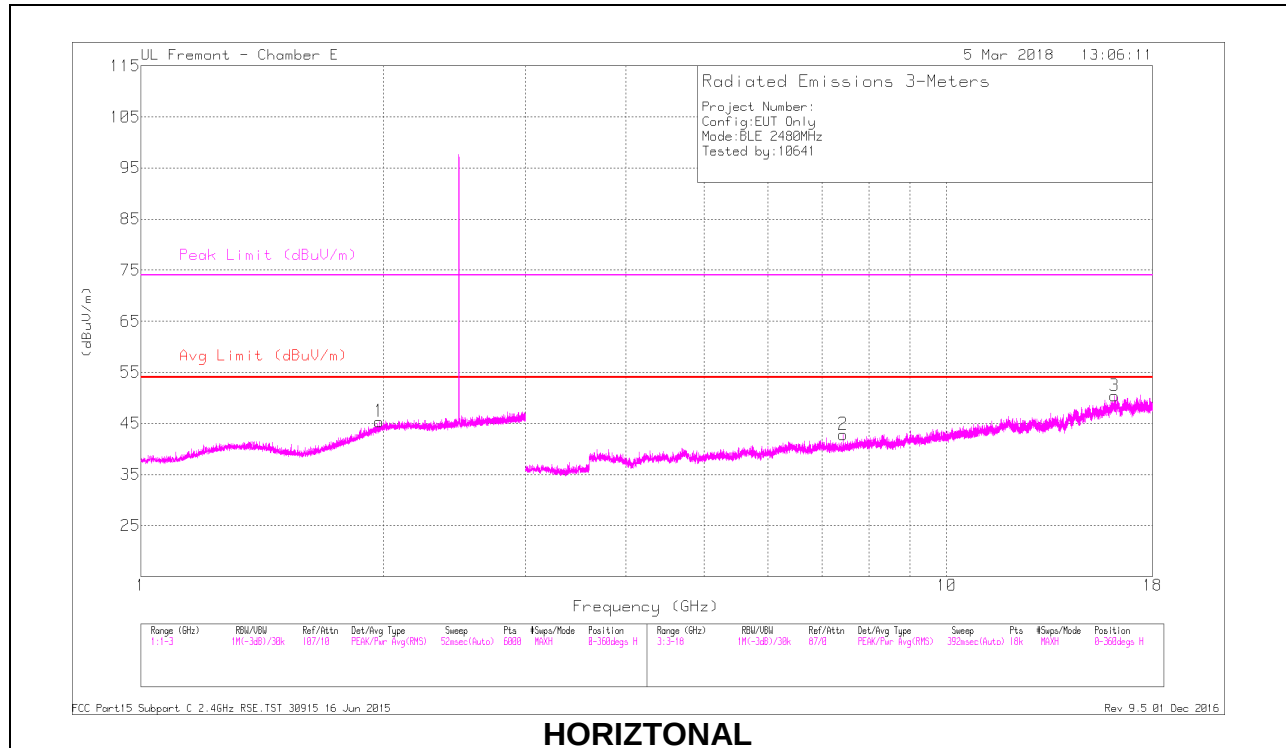
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.229	44.09	PK2	32	-23	53.09	-	-	74	-20.91	344	221	H
	* 2.221	30.6	MAv1	32	-23	39.6	54	-14.4	-	-	344	221	H
2	* 7.324	40.81	PK2	36	-26.1	50.71	-	-	74	-23.29	114	199	H
	* 7.323	30.8	MAv1	36	-26.2	40.6	54	-13.4	-	-	114	199	H
3	* 11.881	37.12	PK2	39.4	-22.5	54.02	-	-	74	-19.98	236	350	H
	* 11.878	23.41	MAv1	39.4	-22.6	40.21	54	-13.79	-	-	236	350	H
4	5.85	40.93	PK2	35.2	-28.8	47.33	-	-	-	-	312	331	V
5	13.093	38.33	PK2	39.1	-24.5	52.93	-	-	-	-	278	110	V
6	16.283	36.35	PK2	41.4	-21.4	56.35	-	-	-	-	23	129	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.978	43.79	PK2	31.8	-23.5	52.09	-	-	-	-	226	127	H
2	* 7.439	40.89	PK2	36.1	-26.8	50.19	-	-	74	-23.81	338	195	H
	* 7.439	29.89	MAv1	36.1	-26.8	39.19	54	-14.81	-	-	338	195	H
3	* 16.147	35.33	PK2	41.1	-20.4	56.03	-	-	74	-17.97	43	326	H
	* 16.148	22.63	MAv1	41.1	-20.5	43.23	54	-10.77	-	-	43	326	H
4	* 4.7	42.6	PK2	34.4	-28.9	48.1	-	-	74	-25.9	60	113	V
	* 4.699	29.97	MAv1	34.4	-29	35.37	54	-18.63	-	-	60	113	V
5	5.654	41.68	PK2	35.1	-28	48.78	-	-	-	-	210	159	V
6	16.584	35.77	PK2	41.8	-20.5	57.07	-	-	-	-	360	101	V

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

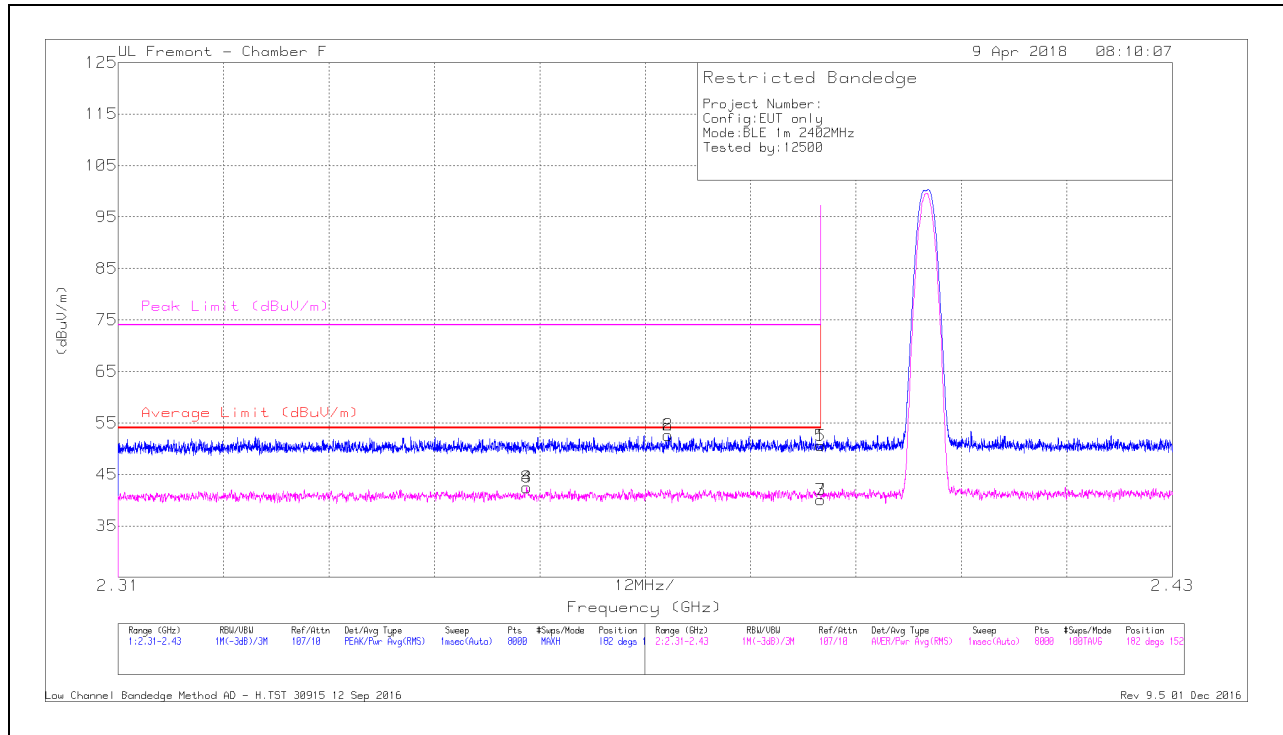
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

Antenna 3

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



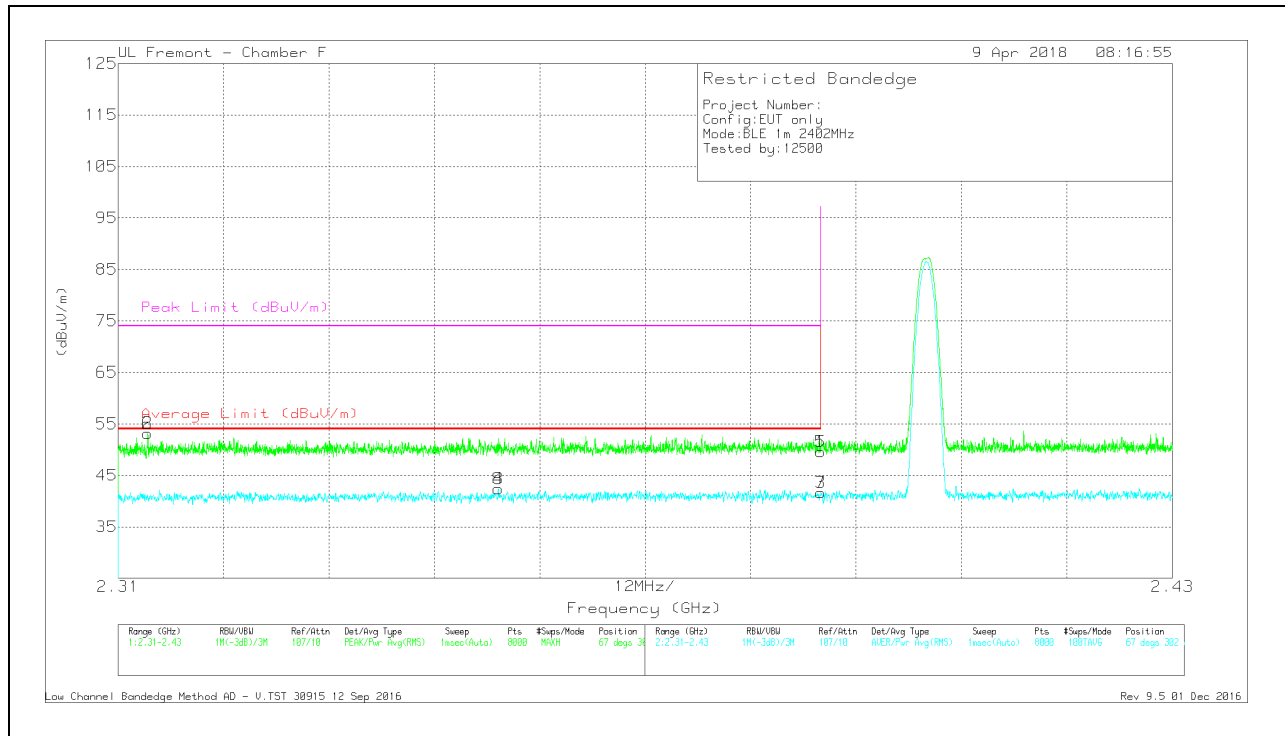
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	39.24	Pk	31.9	-20.6	50.54	-	-	74	-23.46	182	152	H
2	* 2.373	41.4	Pk	31.8	-20.6	52.6	-	-	74	-21.4	182	152	H
3	* 2.39	28.77	RMS	31.9	-20.6	40.07	54	-13.93	-	-	182	152	H
4	* 2.357	31.36	RMS	31.8	-20.7	42.46	54	-11.54	-	-	182	152	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 T119 (dB/m)	Amp/Cbl/Fi tr/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	38.26	Pk	31.9	-20.6	49.56	-	-	74	-24.44	67	302	V
2	* 2.313	42.26	Pk	31.6	-20.7	53.16	-	-	74	-20.84	67	302	V
3	* 2.39	30.33	RMS	31.9	-20.6	41.63	54	-12.37	-	-	67	302	V
4	* 2.353	31.27	RMS	31.8	-20.7	42.37	54	-11.63	-	-	67	302	V

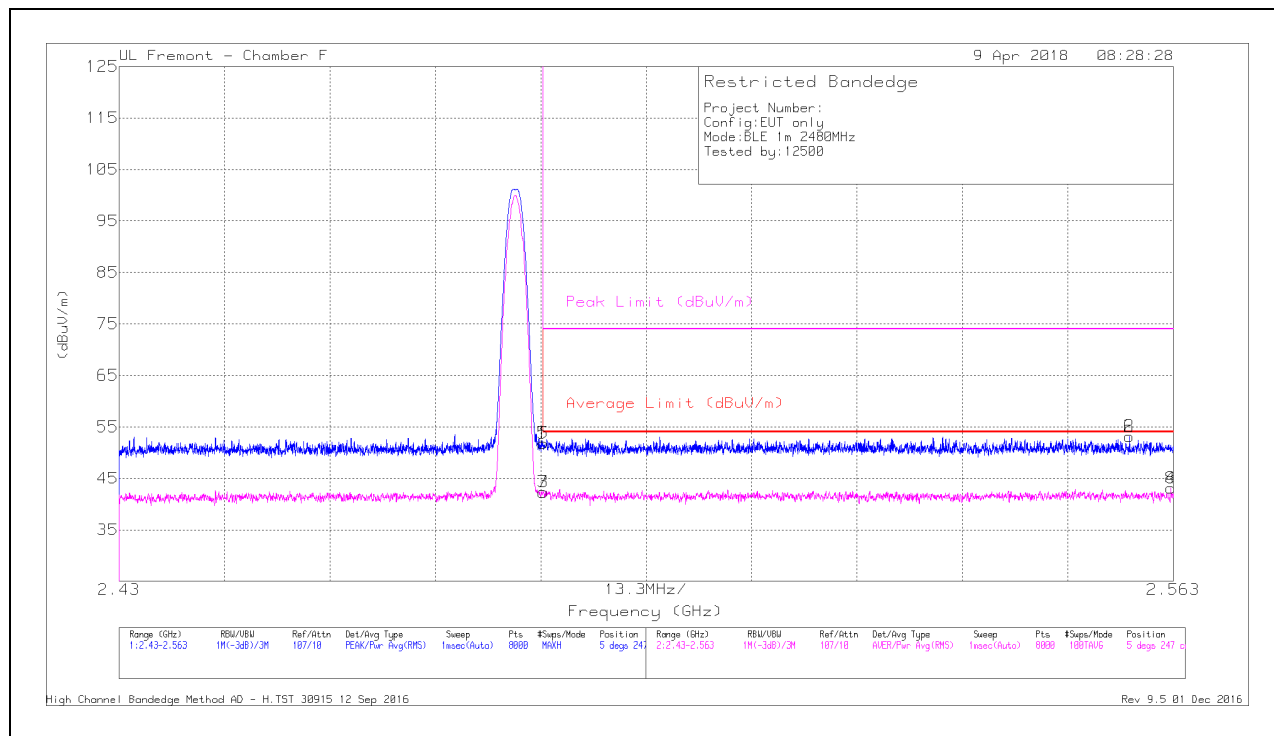
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



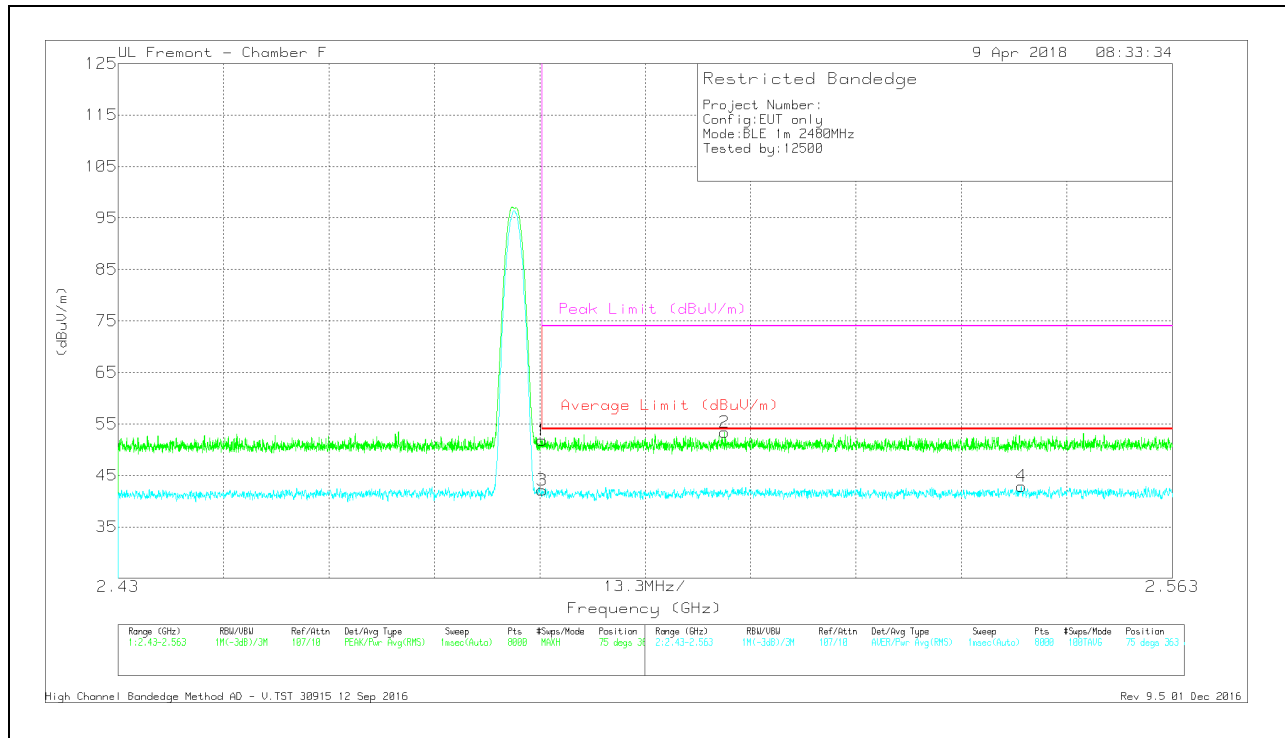
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/Fl tr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.43	Pk	32.1	-20.7	51.83	-	-	74	-22.17	5	247	H
2	2.557	41.66	Pk	32.2	-20.7	53.16	-	-	74	-20.84	5	247	H
3	* 2.484	30.94	RMS	32.1	-20.7	42.34	54	-11.66	-	-	5	247	H
4	2.563	31.52	RMS	32.2	-20.6	43.12	54	-10.88	-	-	5	247	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 T119 (dB/m)	Amp/Cb/Fl tr/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	40.38	Pk	32.1	-20.7	51.78	-	-	74	-22.22	75	363	V
2	2.507	41.78	Pk	32.2	-20.6	53.38	-	-	74	-20.62	75	363	V
3	* 2.484	30.74	RMS	32.1	-20.7	42.14	54	-11.86	-	-	75	363	V
4	2.544	31.41	RMS	32.2	-20.7	42.91	54	-11.09	-	-	75	363	V

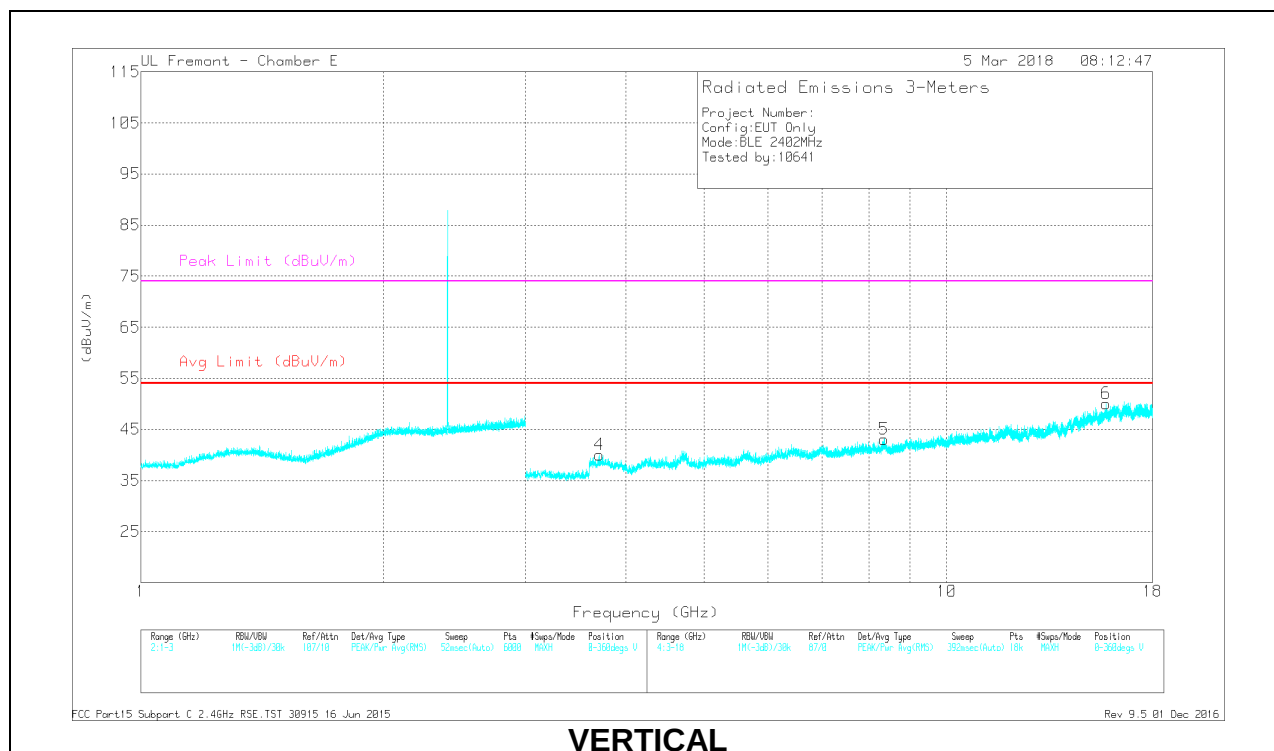
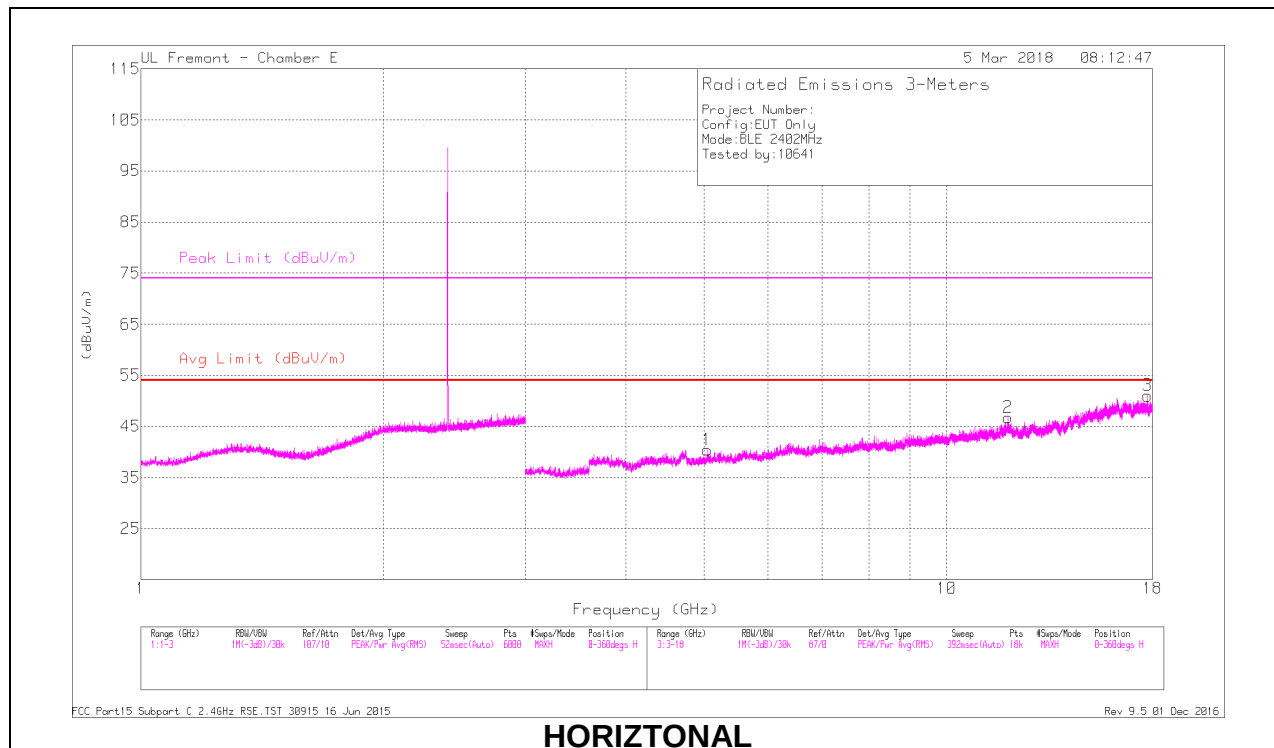
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

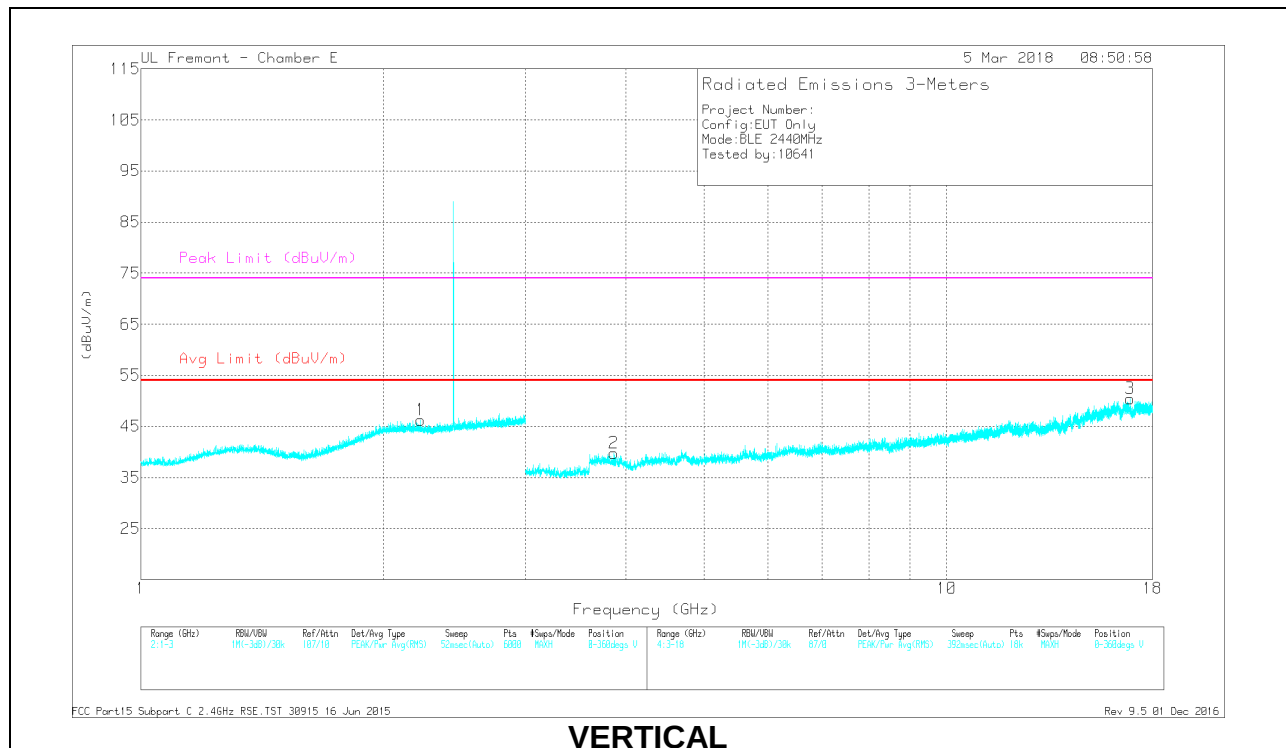
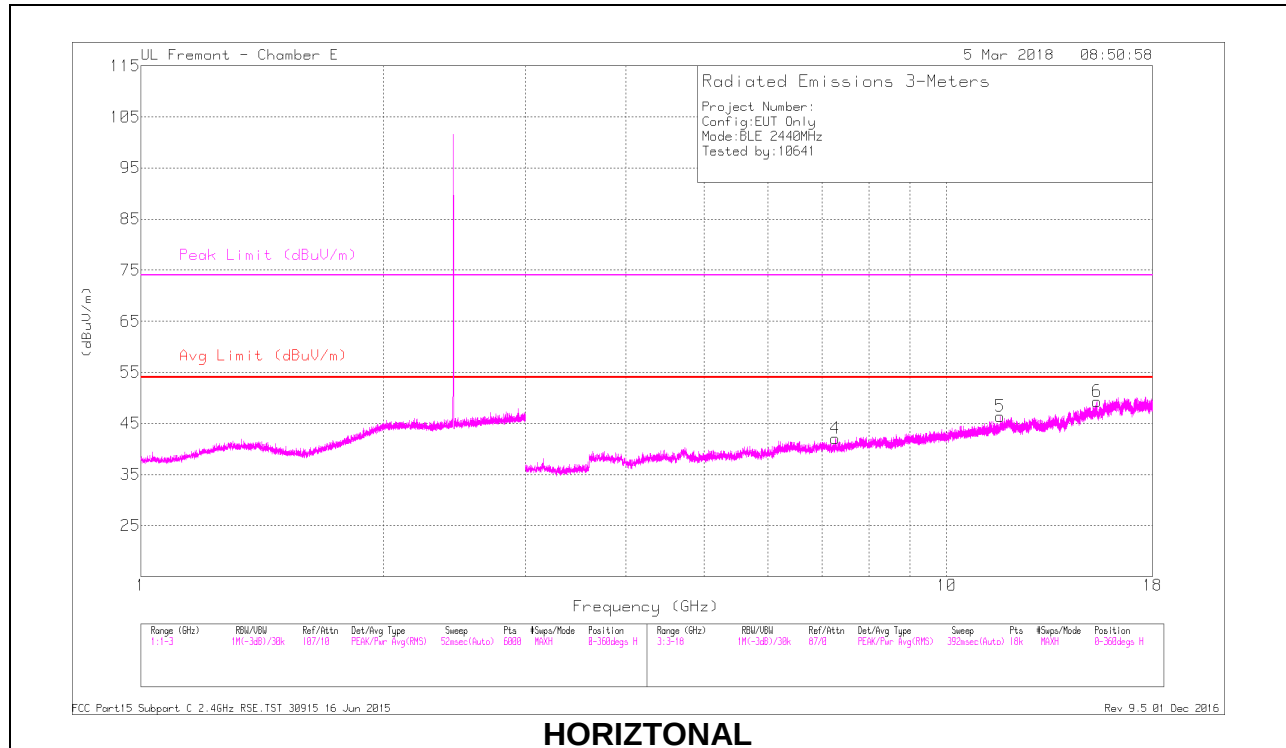
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.046	40.92	PK2	34.6	-29.1	46.42	-	-	74	-27.58	125	379	H
	* 5.044	28.99	MAv1	34.6	-29.1	34.49	54	-19.51	-	-	125	379	H
2	* 11.92	34.78	PK2	39.5	-22.1	52.18	-	-	74	-21.82	328	110	H
	* 11.911	20.51	MAv1	39.4	-22.1	37.81	54	-16.19	-	-	328	110	H
3	* 17.753	35.5	PK2	41.6	-20.8	56.3	-	-	74	-17.7	157	168	H
	* 17.752	22.86	MAv1	41.6	-20.8	43.66	54	-10.34	-	-	157	168	H
4	* 3.706	42.08	PK2	33.5	-29.9	45.68	-	-	74	-28.32	230	196	V
	* 3.698	29.68	MAv1	33.5	-30	33.18	54	-20.82	-	-	230	196	V
5	* 8.355	38.83	PK2	36.5	-24.9	50.43	-	-	74	-23.57	338	350	V
	* 8.356	26.04	MAv1	36.5	-24.9	37.64	54	-16.36	-	-	338	350	V
6	* 15.747	36.16	PK2	41.7	-21.9	55.96	-	-	74	-18.04	275	328	V
	* 15.762	23.81	MAv1	41.7	-22.3	43.21	54	-10.79	-	-	275	328	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS



RADIATED EMISSIONS

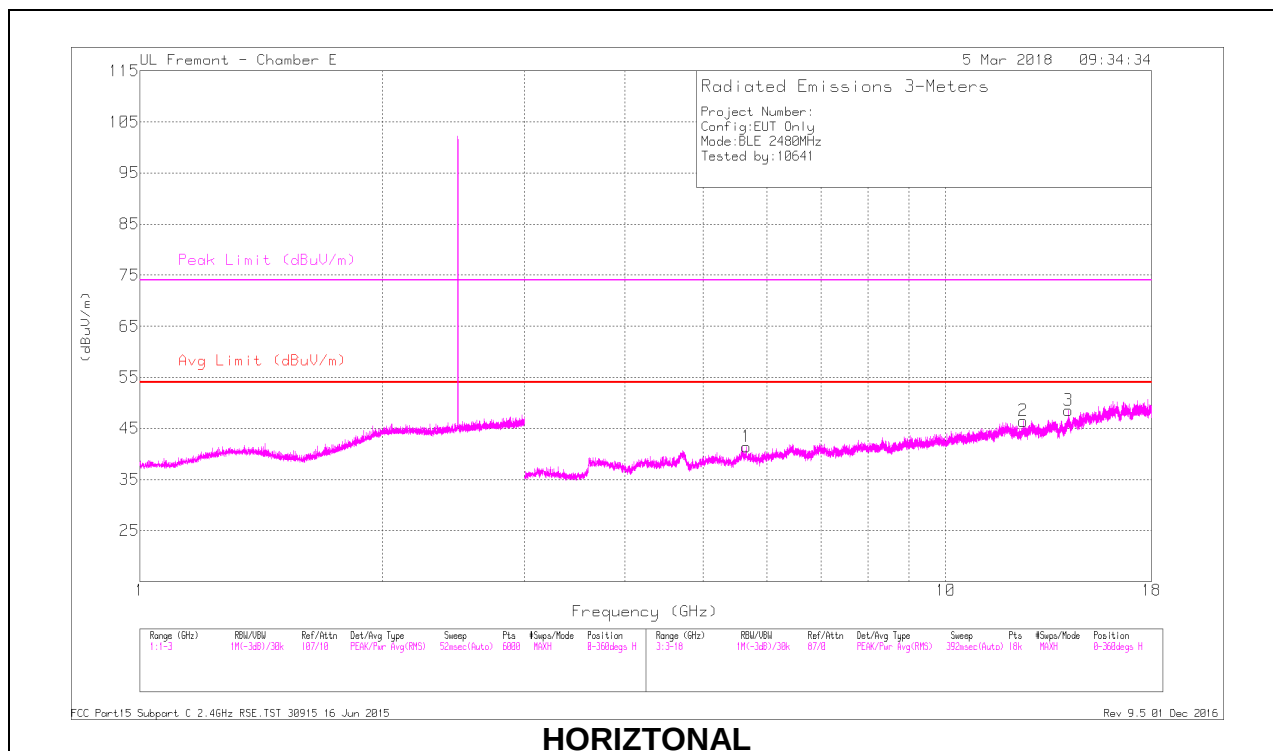
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.228	44.03	PK2	32	-23.1	52.93	-	-	74	-21.07	5	343	V
	* 2.229	30.63	MAv1	32	-23.1	39.53	54	-14.47	-	-	5	343	V
2	* 3.857	42.78	PK2	33.7	-30.5	45.98	-	-	74	-28.02	134	102	V
	* 3.85	30.38	MAv1	33.7	-30.5	33.58	54	-20.42	-	-	134	102	V
3	16.866	36.37	PK2	41.7	-21.2	56.87	-	-	-	-	37	150	V
4	* 7.271	39.47	PK2	36	-26.2	49.27	-	-	74	-24.73	106	127	H
	* 7.275	26.63	MAv1	36	-26.1	36.53	54	-17.47	-	-	106	127	H
5	* 11.644	36.52	PK2	38.9	-22.5	52.92	-	-	74	-21.08	165	289	H
	* 11.637	22.84	MAv1	38.9	-22.5	39.24	54	-14.76	-	-	165	289	H
6	* 15.372	36.32	PK2	40.5	-21.5	55.32	-	-	74	-18.68	356	115	H
	* 15.374	23.62	MAv1	40.4	-21.5	42.52	54	-11.48	-	-	356	115	H

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

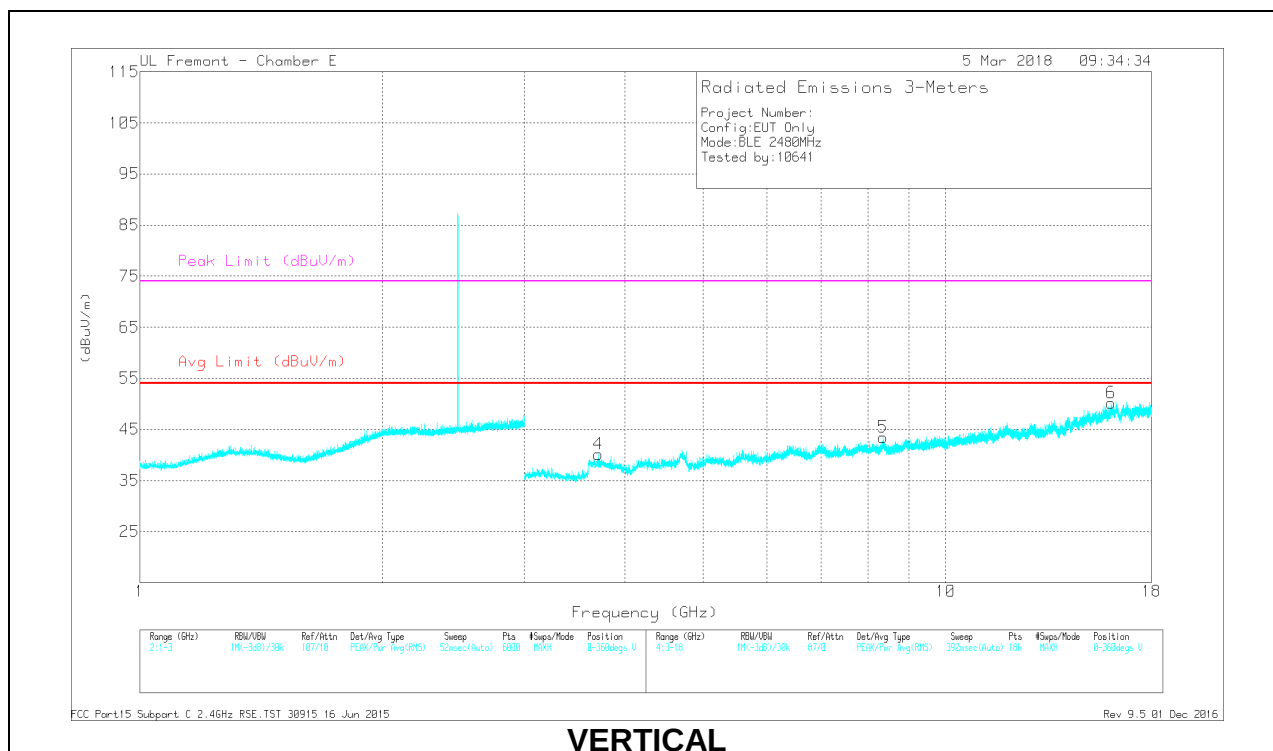
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBUV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Corrected Reading (dBUV/m)	Avg Limit (dBUV/m)	Margin (dB)	Peak Limit (dBUV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.666	41.09	PK2	35.1	-28.3	47.89	-	-	-	-	320	212	H
2	* 12.487	36.21	PK2	39	-22.4	52.81	-	-	74	-21.19	249	102	H
	* 12.476	23.83	MAv1	38.9	-22.6	40.13	54	-13.87	-	-	249	102	H
3	14.199	37.91	PK2	40.8	-24	54.71	-	-	-	-	251	112	H
4	* 3.694	42.31	PK2	33.5	-29.9	45.91	-	-	74	-28.09	21	288	V
	* 3.7	29.83	MAv1	33.5	-30	33.33	54	-20.67	-	-	21	288	V
5	* 8.345	38.63	PK2	36.5	-25.1	50.03	-	-	74	-23.97	237	209	V
	* 8.343	25.93	MAv1	36.5	-25.3	37.13	54	-16.87	-	-	237	209	V
6	* 16.044	36.77	PK2	41.6	-21.9	56.47	-	-	74	-17.53	9	182	V
	* 16.058	24.07	MAv1	41.6	-22	43.67	54	-10.33	-	-	9	182	V

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

PK2 - KDB558074 Method: Maximum Peak

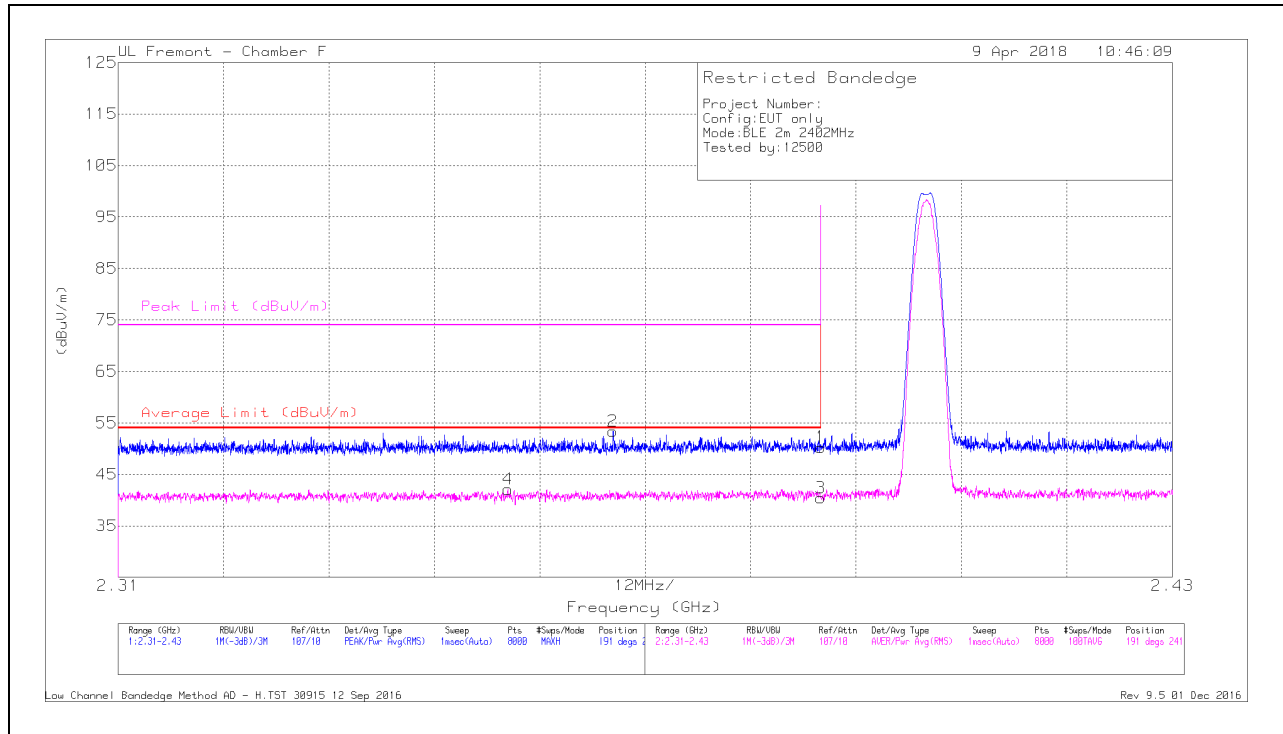
MAv1 - KDB558074 Option 1 Maximum RMS Average

9.2.4. LOW POWER BLE (2Mbps)

Antenna 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



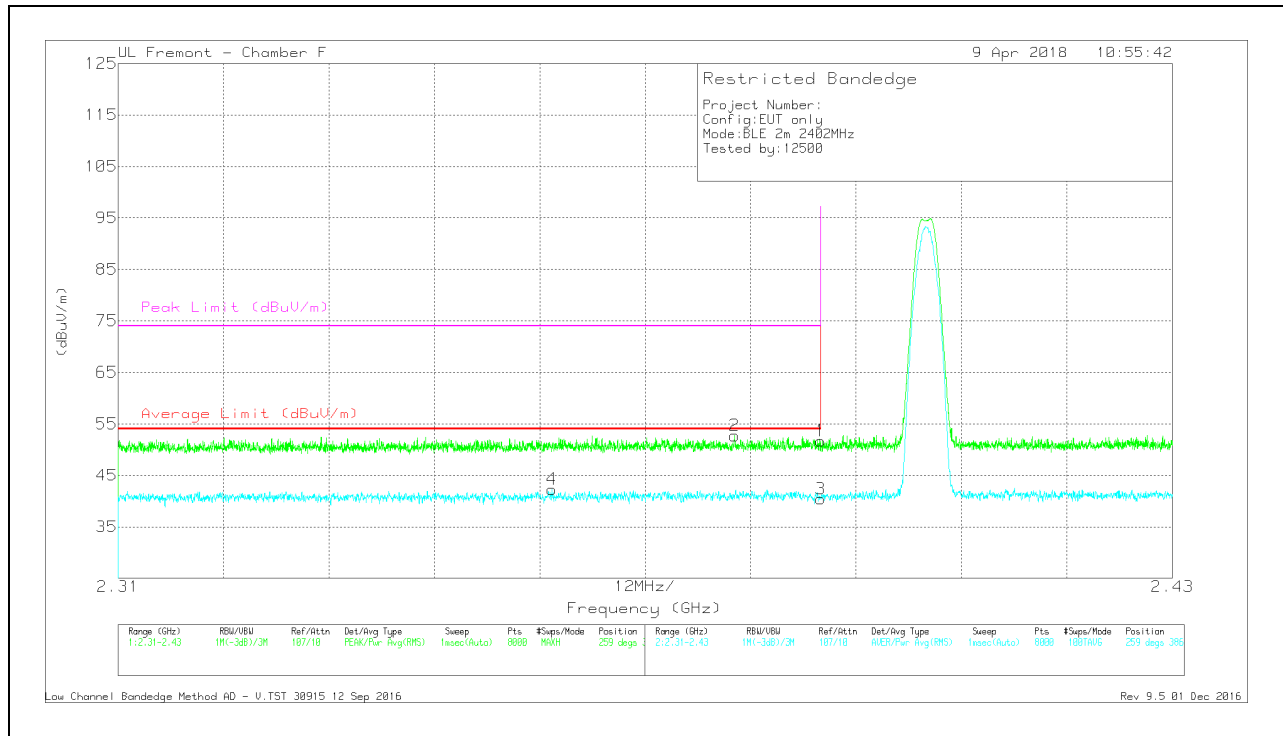
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT119 (dB/m)	Amp/Cb/Fl tr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	38.94	Pk	31.9	-20.6	50.24	-	-	74	-23.76	191	241	H
2	* 2.366	42.29	Pk	31.8	-20.7	53.39	-	-	74	-20.61	191	241	H
3	* 2.39	29.13	RMS	31.9	-20.6	40.43	54	-13.57	-	-	191	241	H
4	* 2.354	30.99	RMS	31.8	-20.7	42.09	54	-11.91	-	-	191	241	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 T119 (dB/m)	Amp/Cbl/Fi tr/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	40.42	Pk	31.9	-20.6	51.72	-	-	74	-22.28	259	386	V
2	* 2.38	41.53	Pk	31.8	-20.6	52.73	-	-	74	-21.27	259	386	V
3	* 2.39	29.13	RMS	31.9	-20.6	40.43	54	-13.57	-	-	259	386	V
4	* 2.359	31.2	RMS	31.8	-20.7	42.3	54	-11.7	-	-	259	386	V

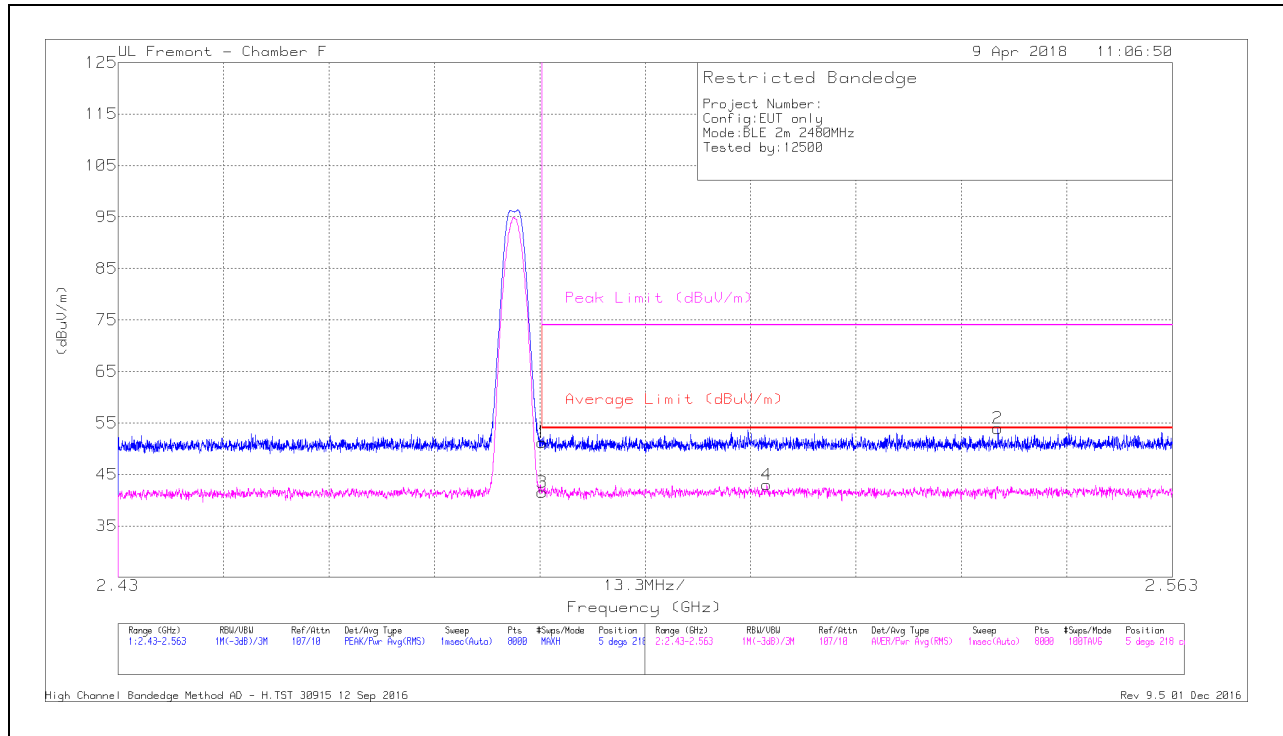
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



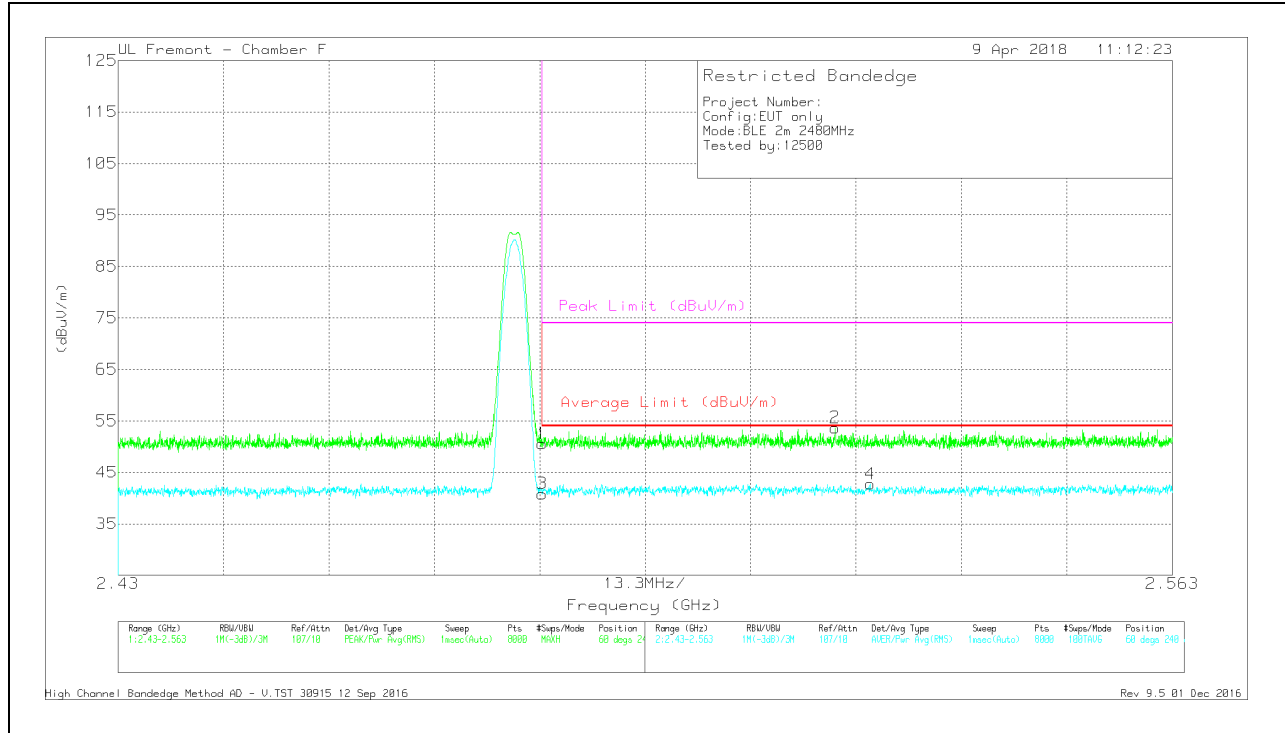
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	39.8	Pk	32.1	-20.7	51.2	-	-	74	-22.8	5	218	H
2	2.541	42.45	Pk	32.2	-20.7	53.95	-	-	74	-20.05	5	218	H
3	* 2.484	30.1	RMS	32.1	-20.7	41.5	54	-12.5	-	-	5	218	H
4	2.512	31.4	RMS	32.2	-20.6	43	54	-11	-	-	5	218	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 T119 (dB/m)	Amp/Cb/Fi tr/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	39.17	Pk	32.1	-20.7	50.57	-	-	74	-23.43	60	240	V
2	2.52	42.07	Pk	32.2	-20.6	53.67	-	-	74	-20.33	60	240	V
3	* 2.484	29.46	RMS	32.1	-20.7	40.86	54	-13.14	-	-	60	240	V
4	2.525	31.26	RMS	32.2	-20.7	42.76	54	-11.24	-	-	60	240	V

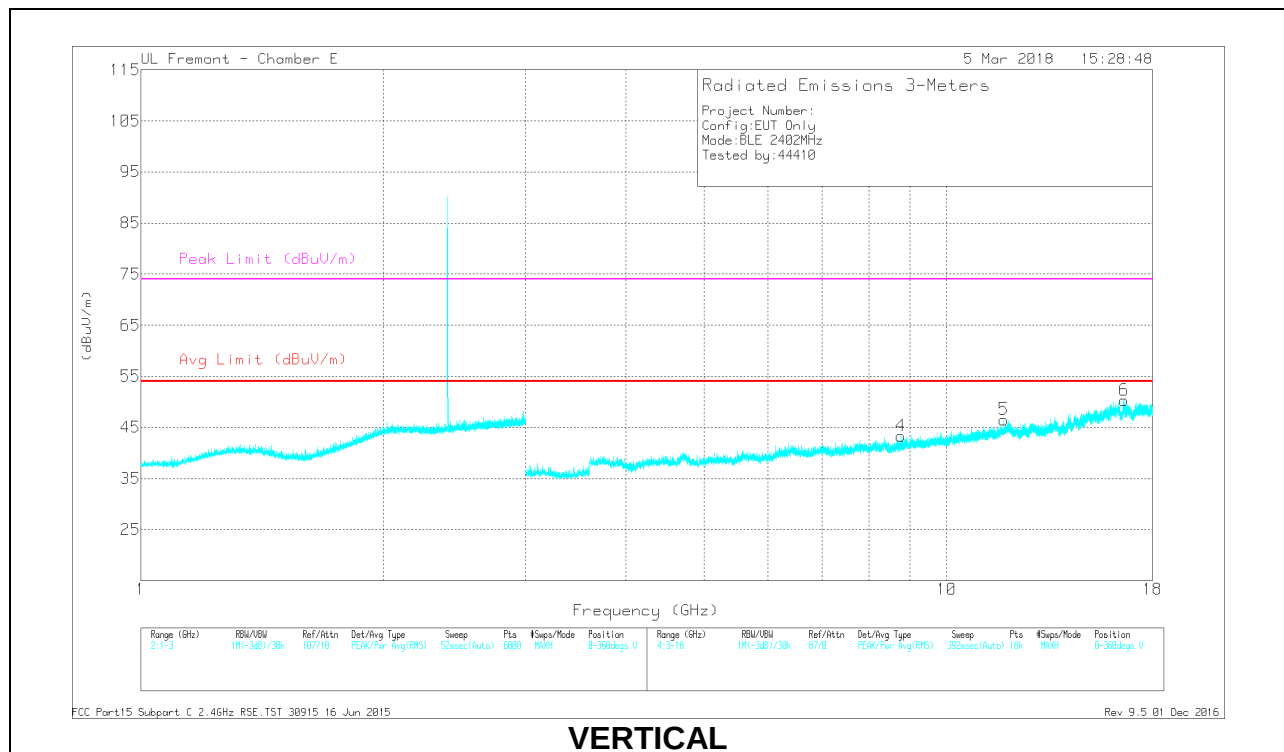
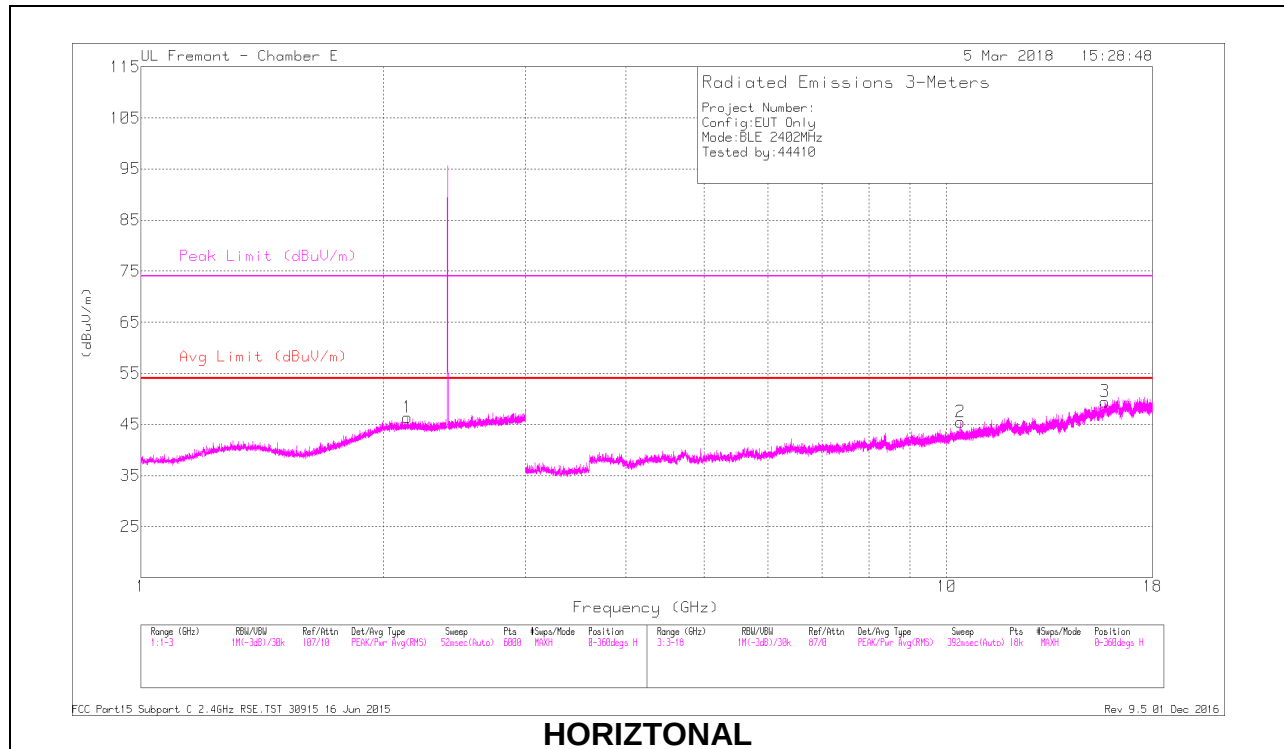
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

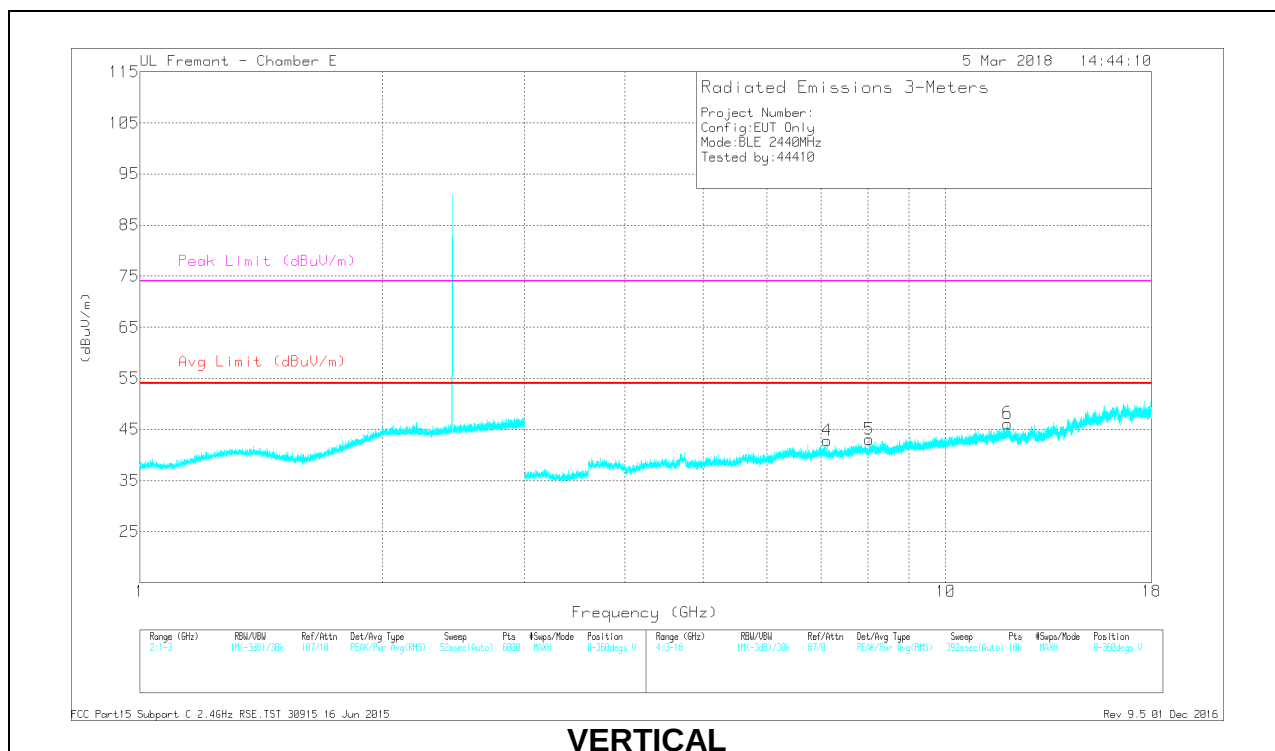
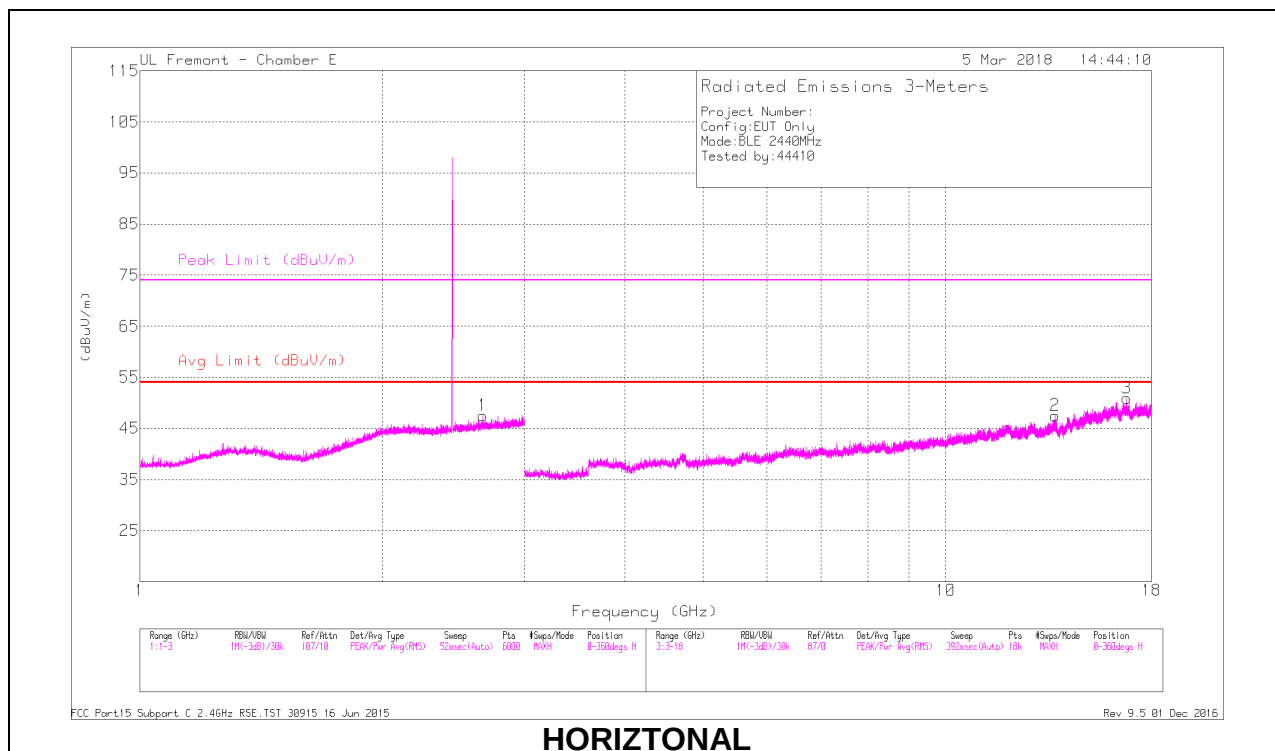
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.143	44.46	PK2	32.1	-23	53.56	-	-	-	-	231	263	H
2	10.407	36.81	PK2	37.7	-22.7	51.81	-	-	-	-	116	138	H
3	* 15.699	36.54	PK2	41.7	-21.6	56.64	-	-	74	-17.36	216	108	H
	* 15.7	23.85	MAV1	41.7	-21.6	43.95	54	-10.05	-	-	216	108	H
4	8.775	38.68	PK2	36.7	-25.4	49.98	-	-	-	-	233	112	V
5	* 11.761	36.7	PK2	39.3	-23.4	52.6	-	-	74	-21.4	174	101	V
	* 11.764	24.09	MAV1	39.4	-23.4	40.09	54	-13.91	-	-	174	101	V
6	16.6	34.68	PK2	41.9	-20.1	56.48	-	-	-	-	4	157	V

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

PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS



RADIATED EMISSIONS

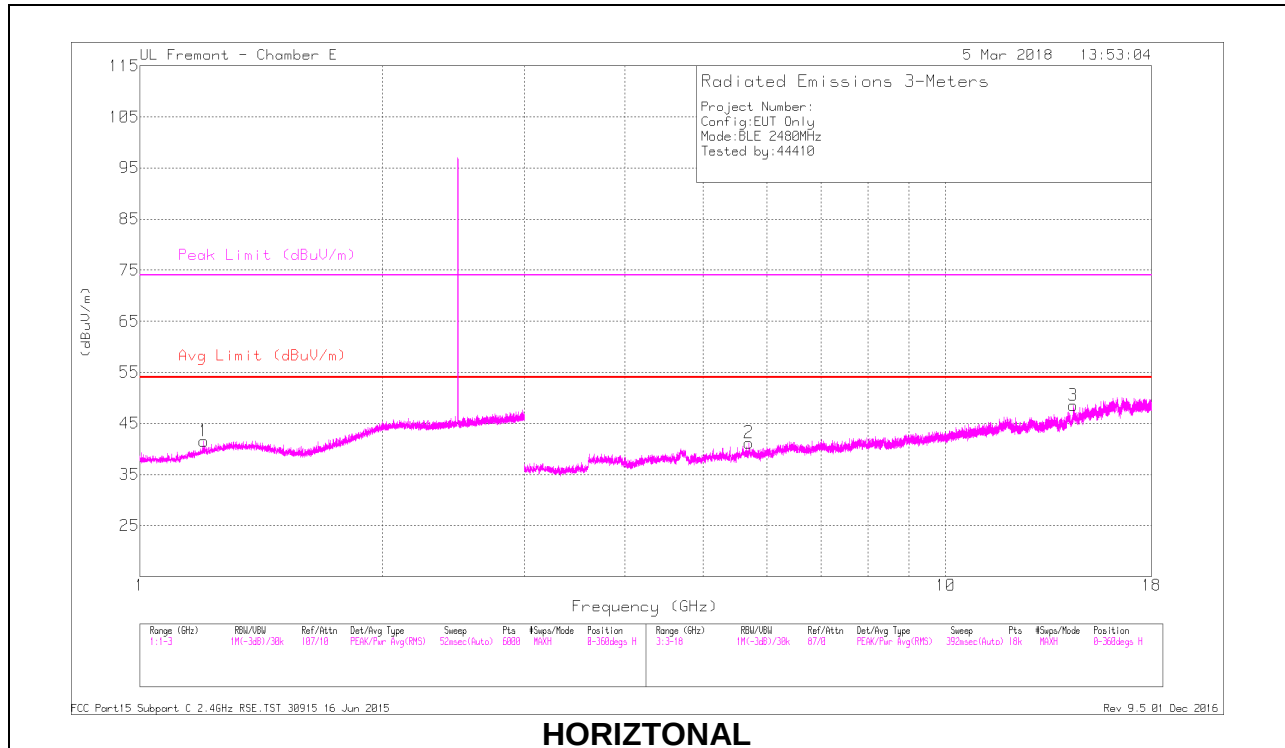
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.662	43.21	PK2	32.3	-22	53.51	-	-	74	-20.49	281	305	H
	* 2.662	29.78	MAv1	32.3	-22	40.08	54	-13.92	-	-	281	305	H
2	13.677	37.23	PK2	39.5	-23.2	53.53	-	-	-	-	8	119	H
3	16.777	35.19	PK2	41.8	-21.3	55.69	-	-	-	-	103	375	H
5	* 8.039	38.05	PK2	36.5	-25.8	48.75	-	-	74	-25.25	199	265	V
	* 8.039	25.98	MAv1	36.5	-25.8	36.68	54	-17.32	-	-	199	265	V
6	* 11.934	35.5	PK2	39.5	-22	53	-	-	74	-21	335	363	V
	* 11.933	22.6	MAv1	39.5	-22	40.1	54	-13.9	-	-	335	363	V
4	7.12	39.34	PK2	36.1	-27.3	48.14	-	-	-	-	6	200	V

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

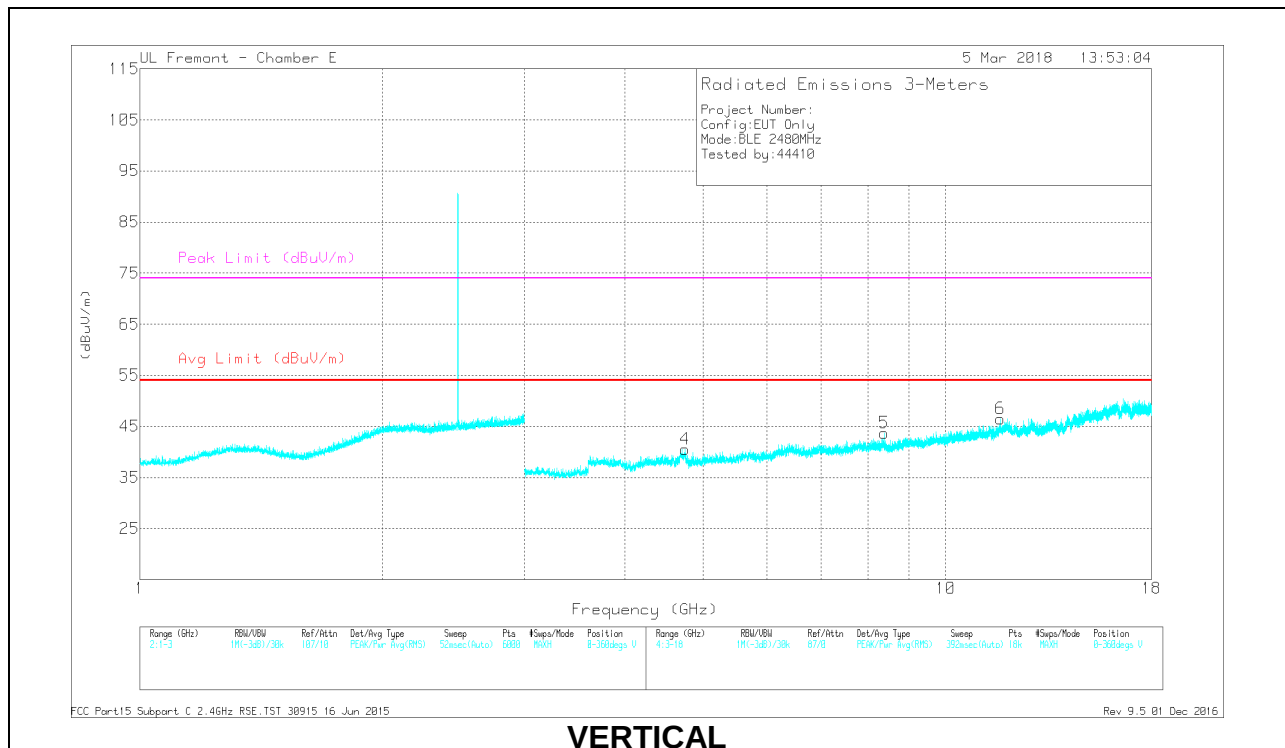
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.2	45.14	PK2	28	-25.5	47.64	-	-	74	-26.36	344	315	H
	* 1.2	32.56	MAv1	28	-25.5	35.06	54	-18.94	-	-	344	315	H
2	5.703	41.42	PK2	35.1	-28.5	48.02	-	-	-	-	96	200	H
3	14.395	36.96	PK2	40.9	-23.6	54.26	-	-	-	-	77	126	H
4	* 4.75	42.34	PK2	34.4	-28.5	48.24	-	-	74	-25.76	263	308	V
	* 4.747	29.74	MAv1	34.4	-28.6	35.54	54	-18.46	-	-	263	308	V
5	* 8.386	37.83	PK2	36.5	-24.8	49.53	-	-	74	-24.47	257	123	V
	* 8.384	25.56	MAv1	36.5	-24.7	37.36	54	-16.64	-	-	257	123	V
6	* 11.679	36.02	PK2	39.1	-22	53.12	-	-	74	-20.88	119	111	V
	* 11.681	23.09	MAv1	39.1	-22	40.19	54	-13.81	-	-	119	111	V

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

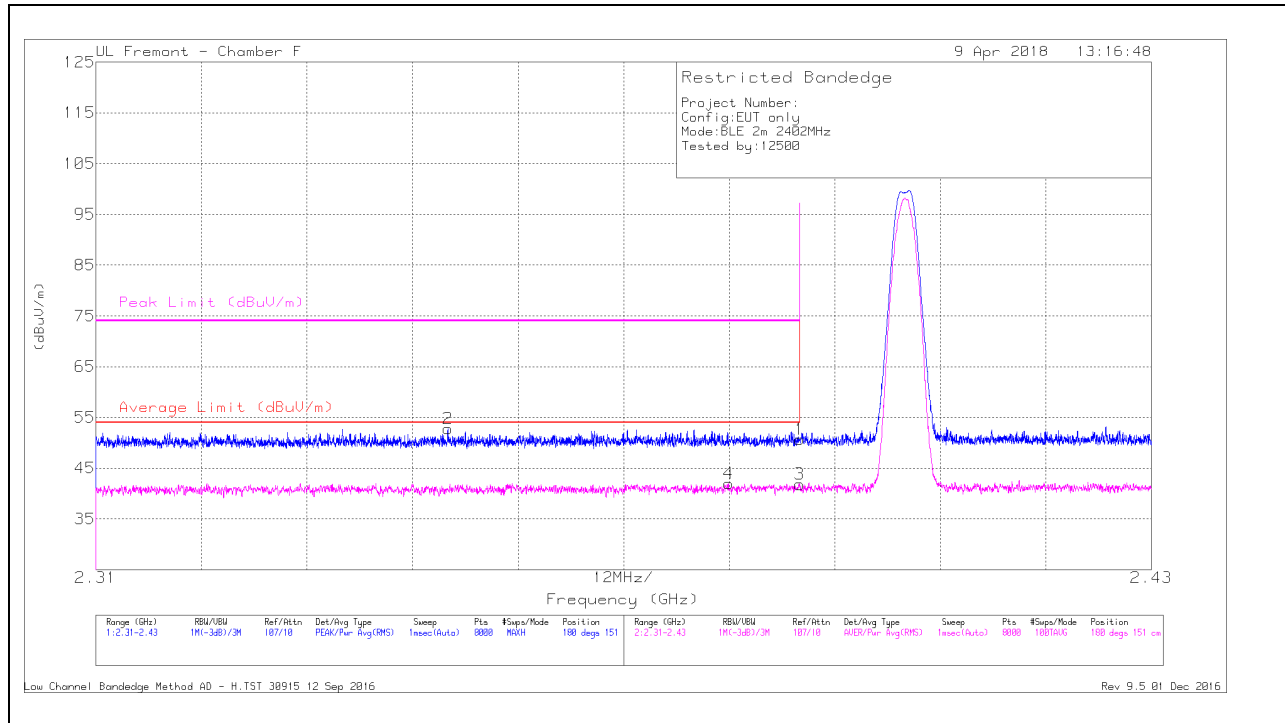
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

Antenna 3

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



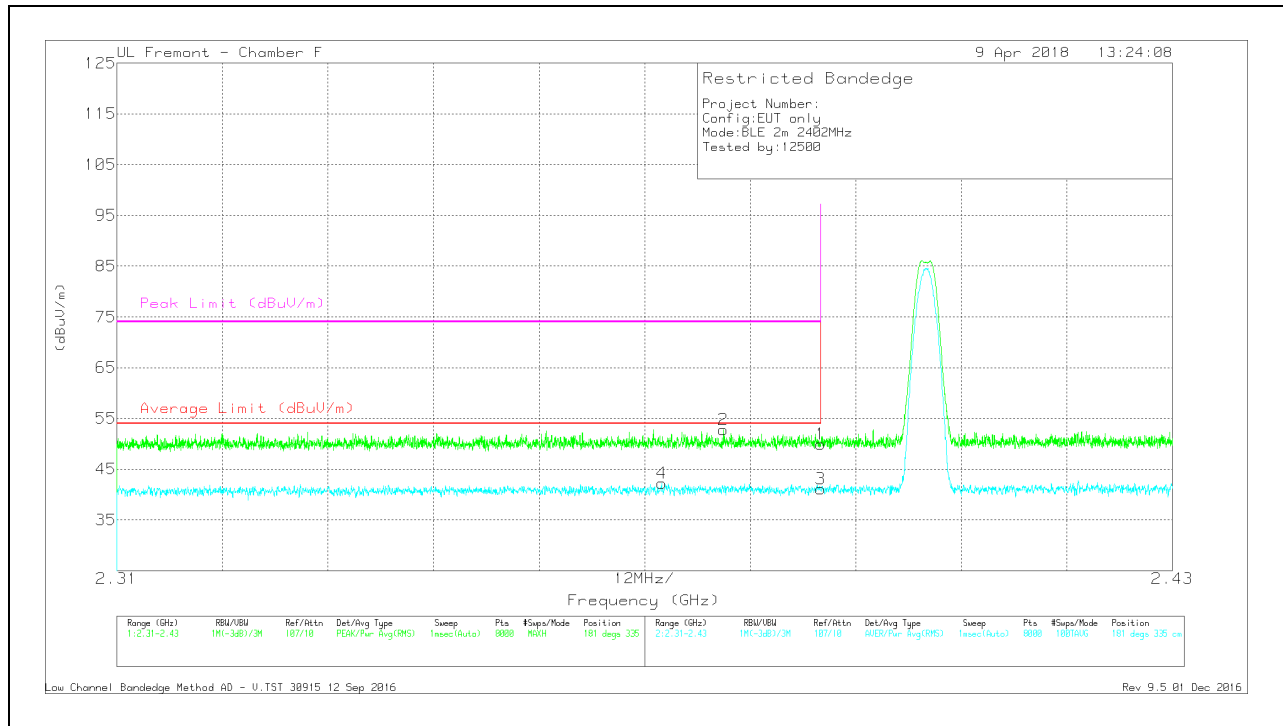
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/Fl tr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	39.31	Pk	31.9	-20.6	50.61	-	-	74	-23.39	180	151	H
2	* 2.35	41.76	Pk	31.7	-20.7	52.76	-	-	74	-21.24	180	151	H
3	* 2.39	30.49	RMS	31.9	-20.6	41.79	54	-12.21	-	-	180	151	H
4	* 2.382	30.78	RMS	31.8	-20.6	41.98	54	-12.02	-	-	180	151	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

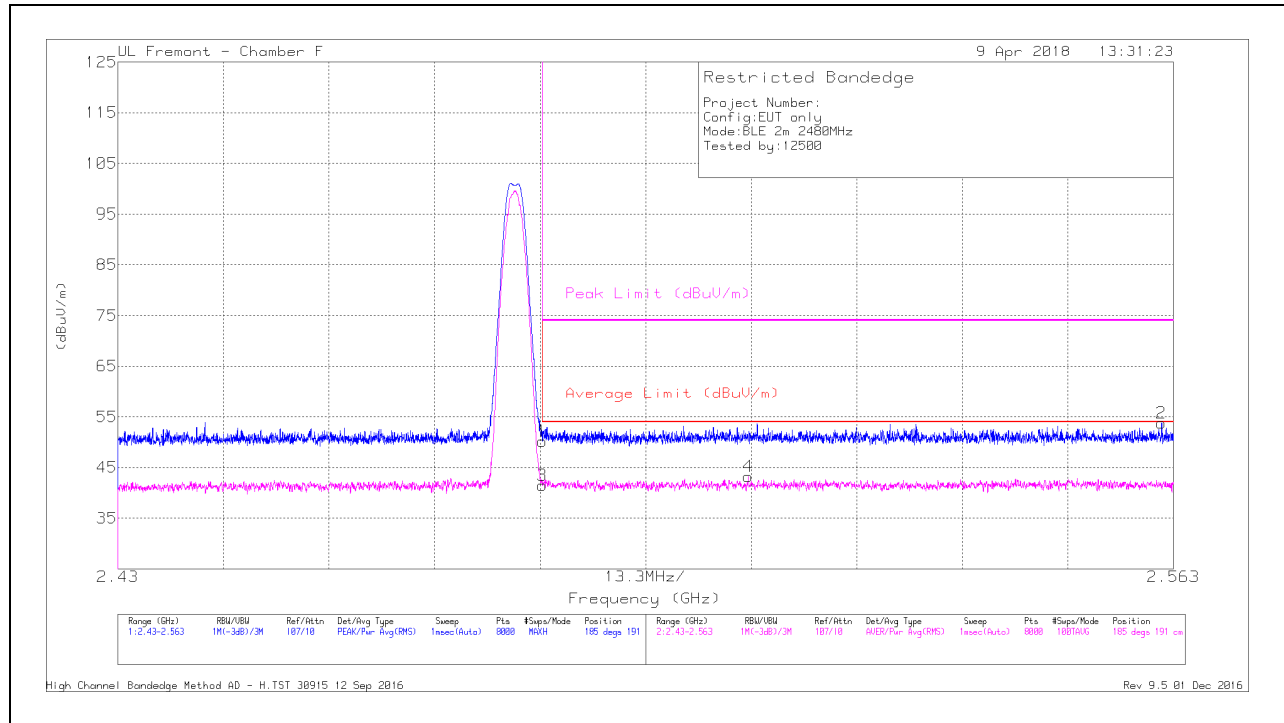


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fl tr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	38.59	Pk	31.9	-20.6	49.89	-	-	74	-24.11	181	335	V
2	* 2.379	41.62	Pk	31.8	-20.6	52.82	-	-	74	-21.18	181	335	V
3	* 2.39	29.79	RMS	31.9	-20.6	41.09	54	-12.91	-	-	181	335	V
4	* 2.372	30.97	RMS	31.8	-20.6	42.17	54	-11.83	-	-	181	335	V

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

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

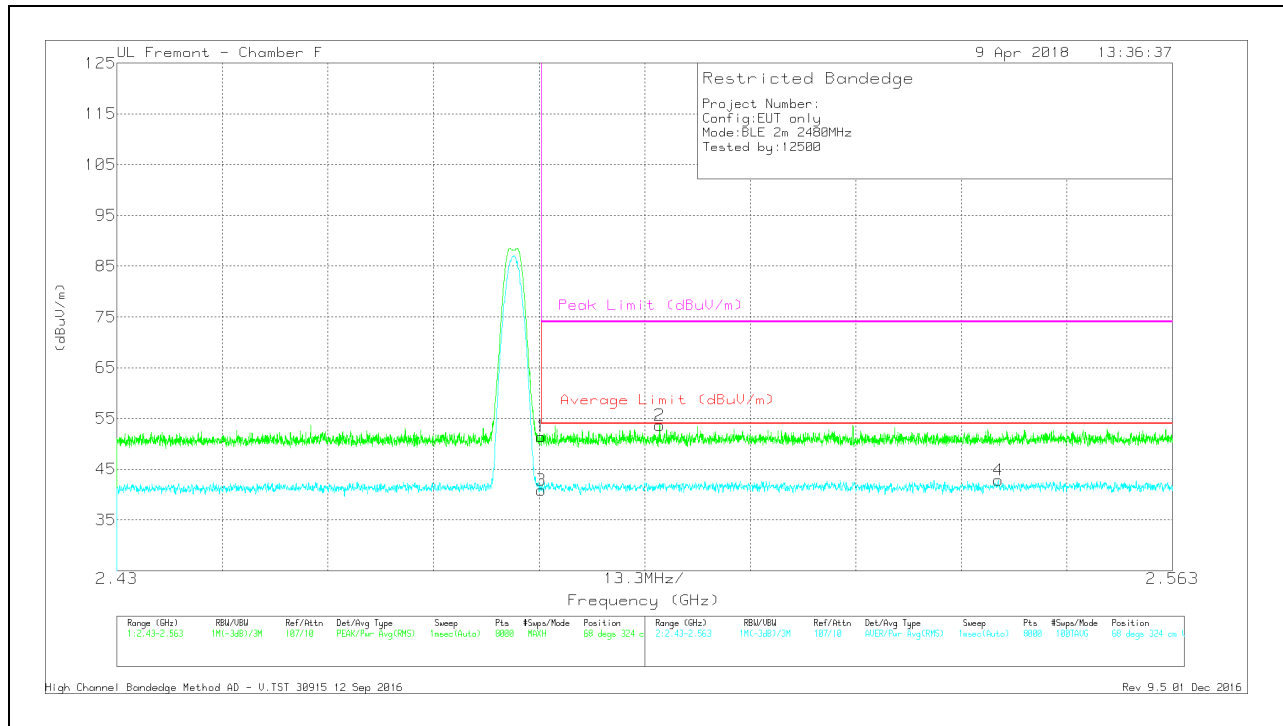
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/R tr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	38.8	Pk	32.1	-20.7	50.2	-	-	74	-23.8	185	191	H
2	2.562	42.21	Pk	32.2	-20.6	53.81	-	-	74	-20.19	185	191	H
3	* 2.484	30.12	RMS	32.1	-20.7	41.52	54	-12.48	-	-	185	191	H
4	2.509	31.6	RMS	32.2	-20.6	43.2	54	-10.8	-	-	185	191	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 T119 (dB/m)	Amp/Cbl/rl tr/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	40.07	Pk	32.1	-20.7	51.47	-	-	74	-22.53	68	324	V
2	* 2.498	42.18	Pk	32.2	-20.7	53.68	-	-	74	-20.32	68	324	V
3	* 2.484	29.43	RMS	32.1	-20.7	40.83	54	-13.17	-	-	68	324	V
4	2.541	31.35	RMS	32.2	-20.7	42.85	54	-11.15	-	-	68	324	V

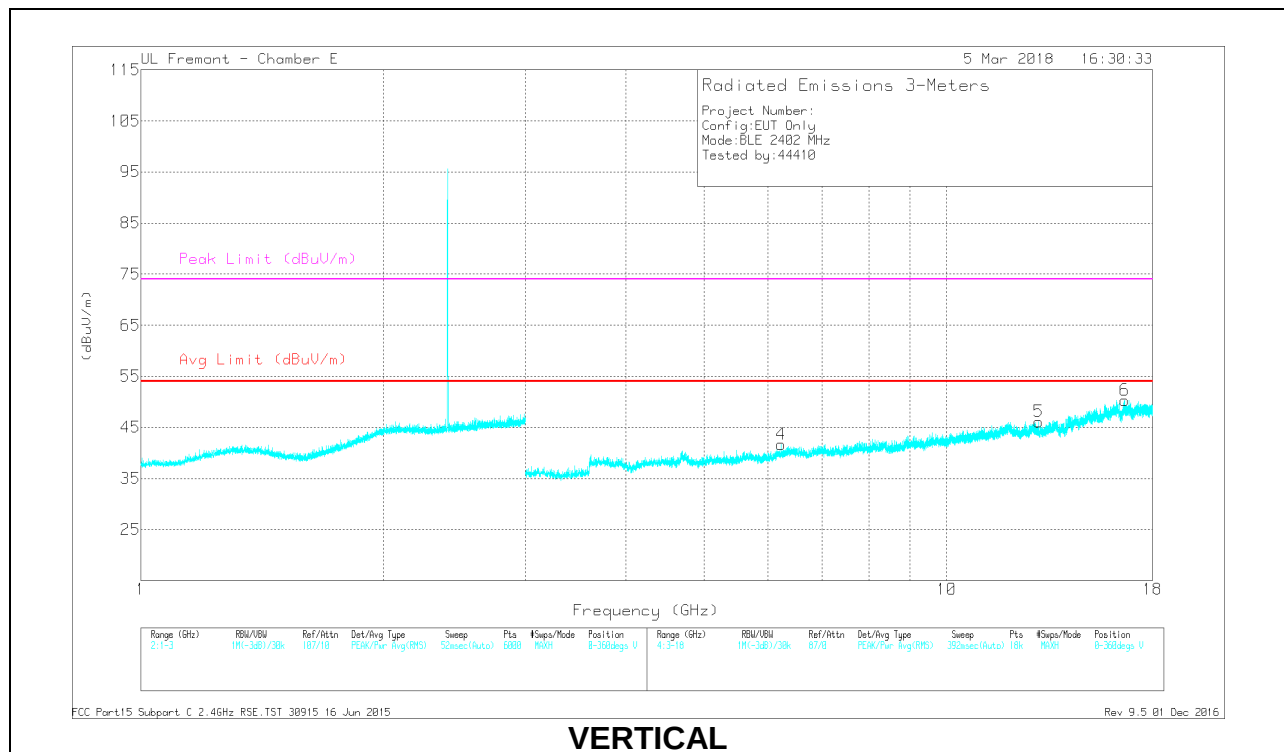
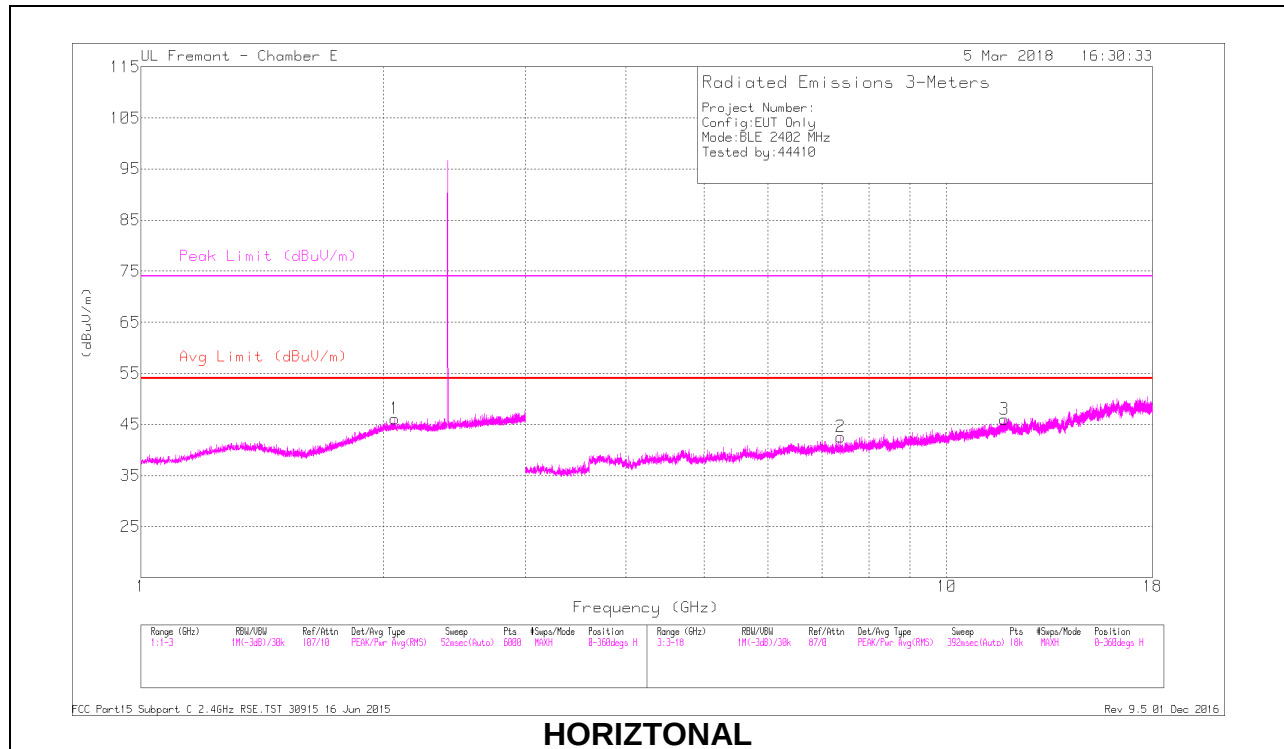
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

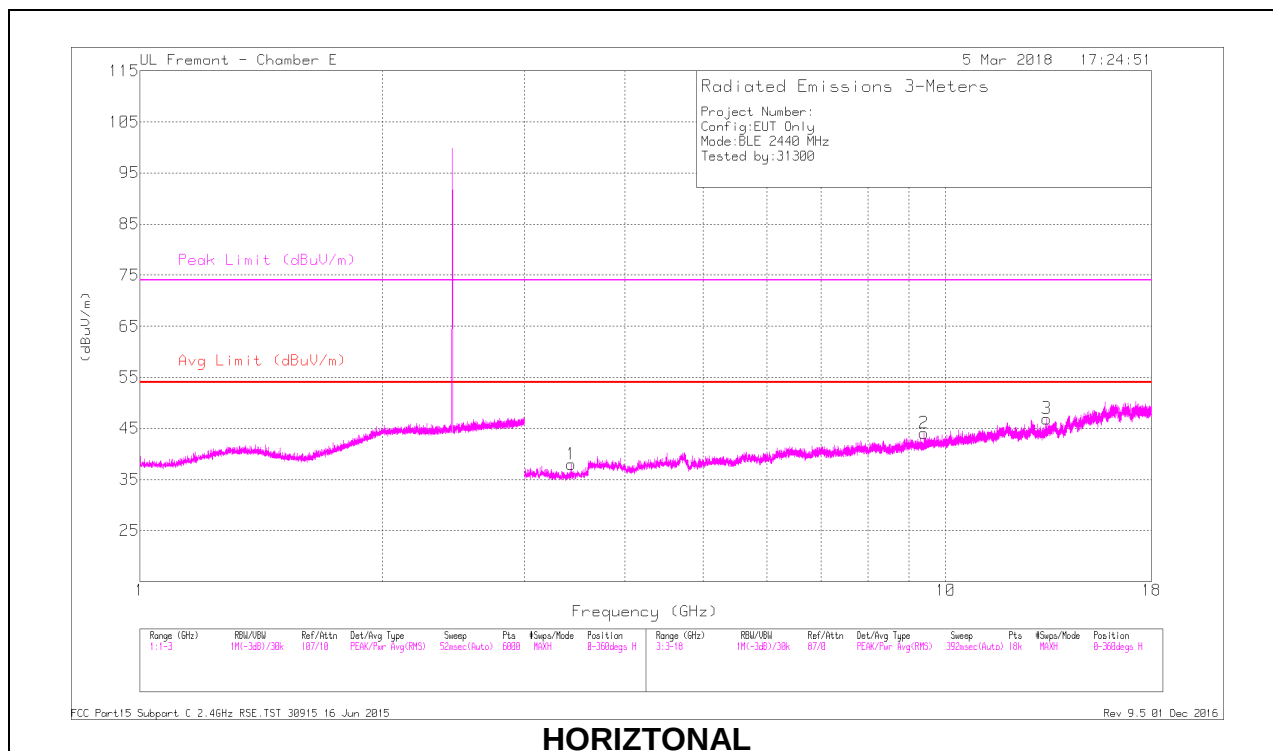
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 7.384	39.85	PK2	36	-26.9	48.95	-	-	74	-25.05	183	391	H
	* 7.384	26.65	MAv1	36	-26.9	35.75	54	-18.25	-	-	183	391	H
3	* 11.791	37.09	PK2	39.4	-23.5	52.99	-	-	74	-21.01	345	136	H
	* 11.794	24.15	MAv1	39.4	-23.5	40.05	54	-13.95	-	-	345	136	H
1	2.066	37.35	PK2	32.1	-23.3	46.15	-	-	-	-	237	118	H
4	6.228	39.5	PK2	35.9	-27.3	48.1	-	-	-	-	124	300	V
5	12.997	36.29	PK2	39.2	-23.4	52.09	-	-	-	-	226	117	V
6	16.616	35.89	PK2	41.9	-20.3	57.49	-	-	-	-	262	100	V

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

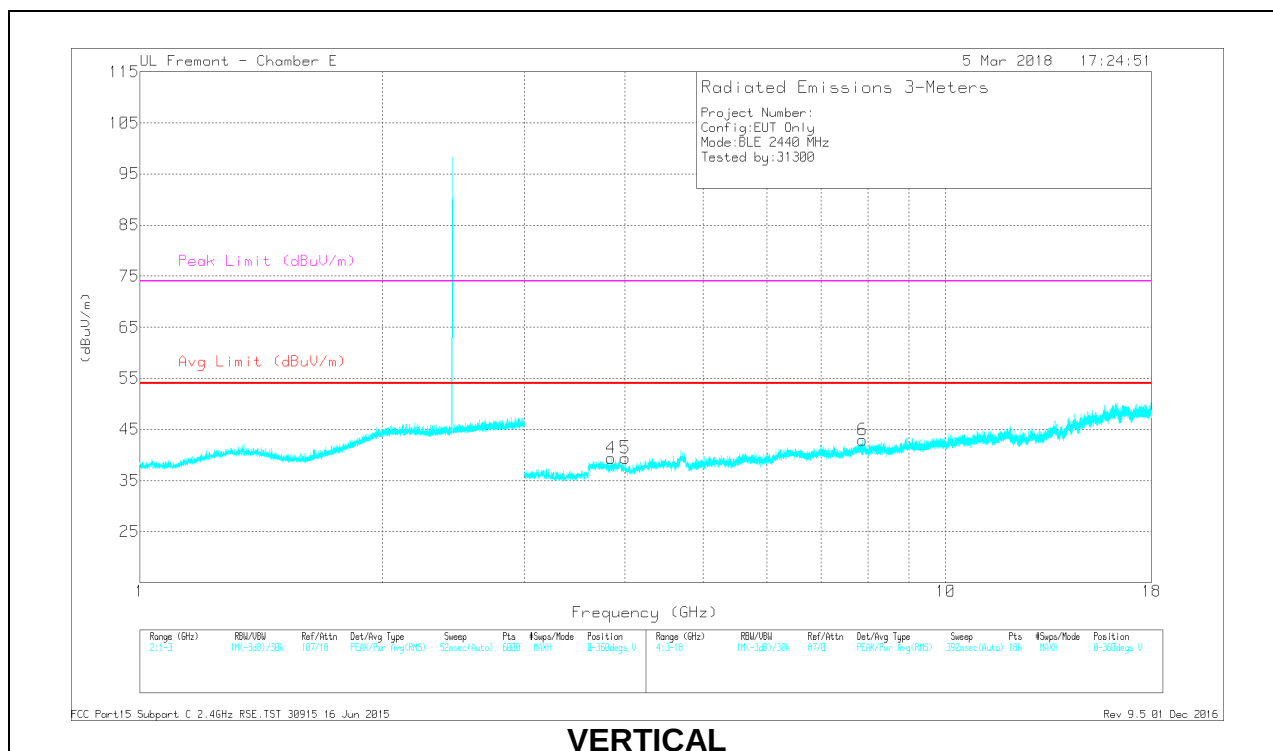
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS



HORIZTONTAL



VERTICAL

RADIATED EMISSIONS

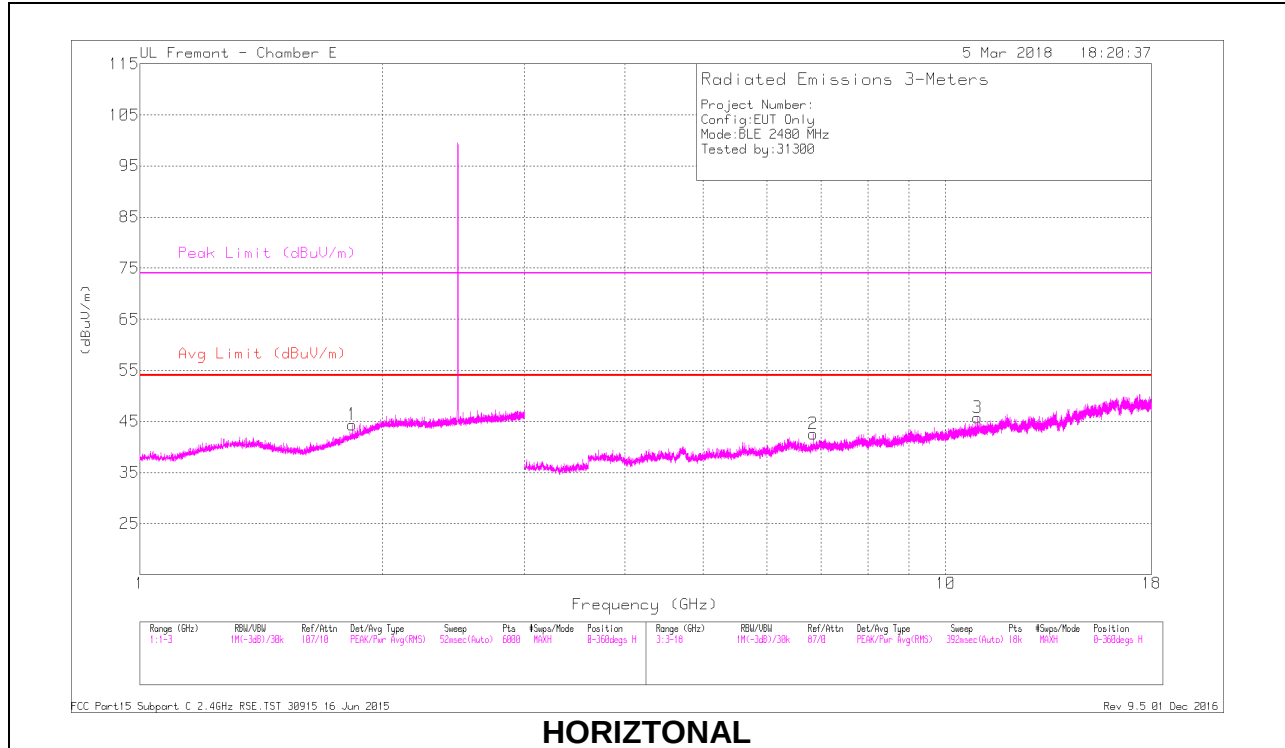
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 9.388	37.36	PK2	37.2	-25.2	49.36	-	-	74	-24.64	353	131	H
	* 9.389	25.19	MAv1	37.2	-25.2	37.19	54	-16.81	-	-	353	131	H
3	* 13.342	37.6	PK2	39.5	-24.1	53	-	-	74	-21	49	106	H
	* 13.343	25.15	MAv1	39.5	-24.1	40.55	54	-13.45	-	-	49	106	H
4	* 3.842	43.27	PK2	33.7	-30.6	46.37	-	-	74	-27.63	242	315	V
	* 3.844	30.9	MAv1	33.7	-30.6	34	54	-20	-	-	242	315	V
5	* 4.003	41.32	PK2	33.7	-29.4	45.62	-	-	74	-28.38	100	124	V
	* 4	29.11	MAv1	33.7	-29.4	33.41	54	-20.59	-	-	100	124	V
1	3.428	34.99	PK2	33	-30	37.99	-	-	-	-	101	272	H
6	7.887	38.4	PK2	36.6	-26	49	-	-	-	-	235	113	V

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

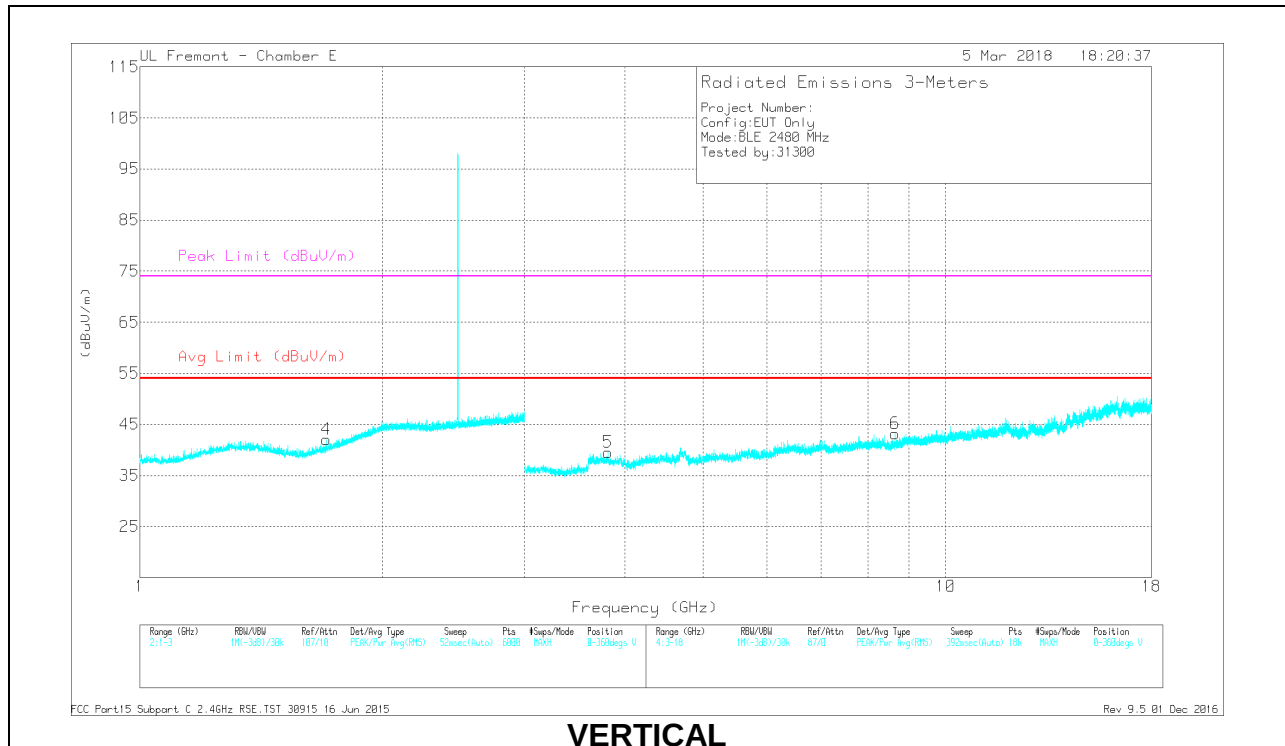
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/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	* 1.705	44.62	PK2	28.3	-24.2	48.72	-	-	74	-25.28	67	199	V
	* 1.703	31.67	MAv1	28.3	-24.2	35.77	54	-18.23	-	-	67	199	V
3	* 10.952	36.65	PK2	38.3	-22.8	52.15	-	-	74	-21.85	293	119	H
	* 10.948	23.56	MAv1	38.3	-22.7	39.16	54	-14.84	-	-	293	119	H
5	* 3.808	42.14	PK2	33.7	-30.1	45.74	-	-	74	-28.26	55	354	V
	* 3.809	30.07	MAv1	33.7	-30.2	33.57	54	-20.43	-	-	55	354	V
1	1.834	38.29	PK2	30	-23.9	44.39	-	-	-	-	352	289	H
2	6.852	40	PK2	35.9	-27.6	48.3	-	-	-	-	253	172	H
6	8.648	37.49	PK2	36.6	-24.6	49.49	-	-	-	-	325	328	V

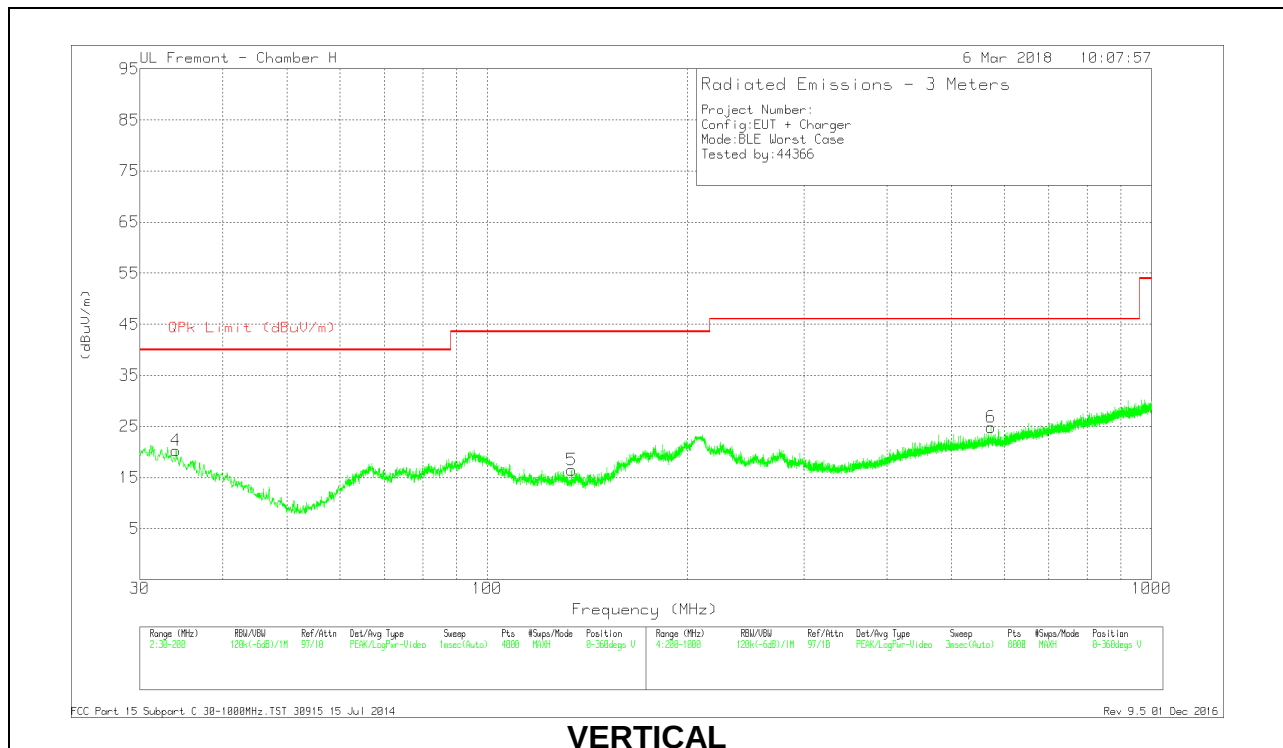
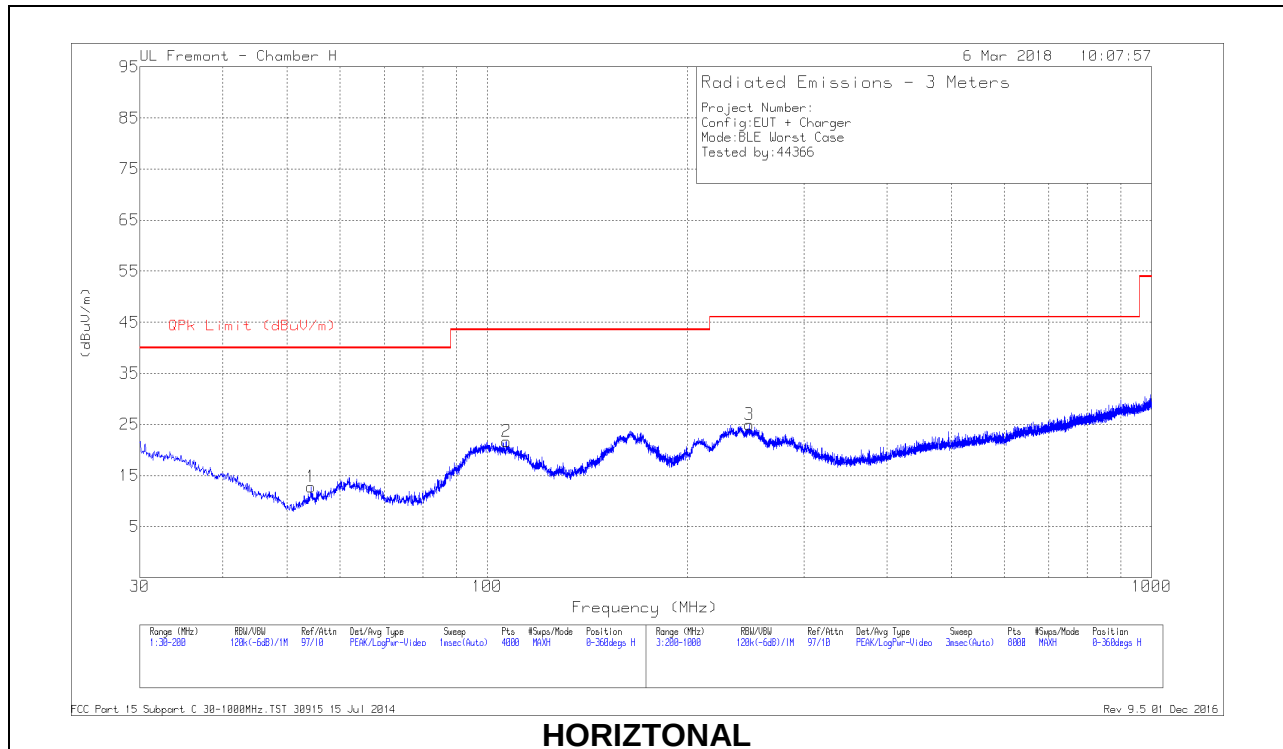
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

9.3. Worst Case Below 1 GHz

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

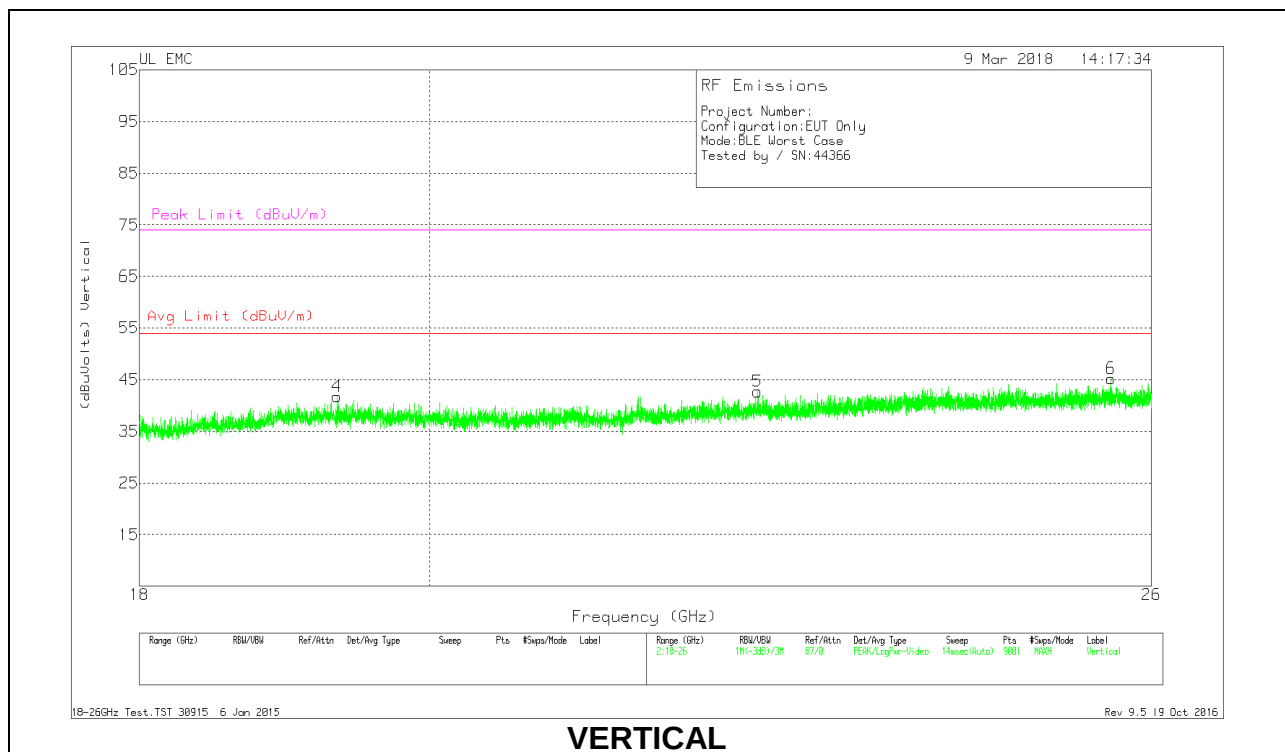
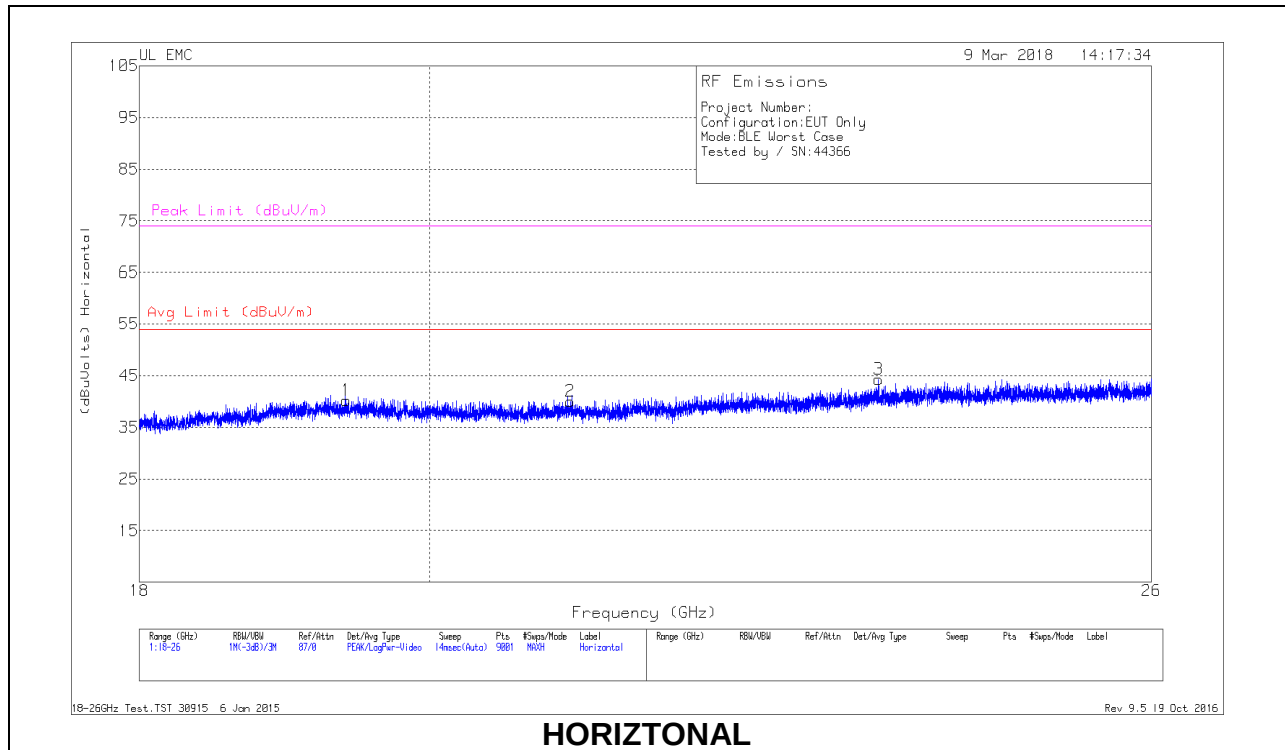


Below 1GHz Data

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T185 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	* 134.0244	29.17	Pk	17.5	-30.2	16.47	43.52	-27.05	0-360	100	V
3	* 248.2063	38.87	Pk	15.5	-29.4	24.97	46.02	-21.05	0-360	101	H
4	33.996	30.22	Pk	21.4	-31.3	20.32	40	-19.68	0-360	100	V
1	54.3163	32.13	Pk	11.6	-31	12.73	40	-27.27	0-360	299	H
2	106.8174	36.37	Pk	15.8	-30.5	21.67	43.52	-21.85	0-360	299	H
6	573.6486	30.29	Pk	22.5	-28	24.79	46.02	-21.23	0-360	199	V

9.4. Worst Case 18-26 GHz

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



18 – 26GHz DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	T449 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Corrected Reading (dBuVolts)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)
1	19.403	37.25	Pk	32.6	-20.1	-9.5	40.25	54	-13.75	74	-33.75
2	21.051	37.71	Pk	33.2	-21.4	-9.5	40.01	54	-13.99	74	-33.99
3	23.545	40.19	Pk	33.9	-20.3	-9.5	44.29	54	-9.71	74	-29.71
4	19.34	38.73	Pk	32.6	-20.1	-9.5	41.73	54	-12.27	74	-32.27
5	22.532	39.29	Pk	33.5	-20.6	-9.5	42.69	54	-11.31	74	-31.31
6	25.62	40.67	Pk	34.3	-20.3	-9.5	45.17	54	-8.83	74	-28.83

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.

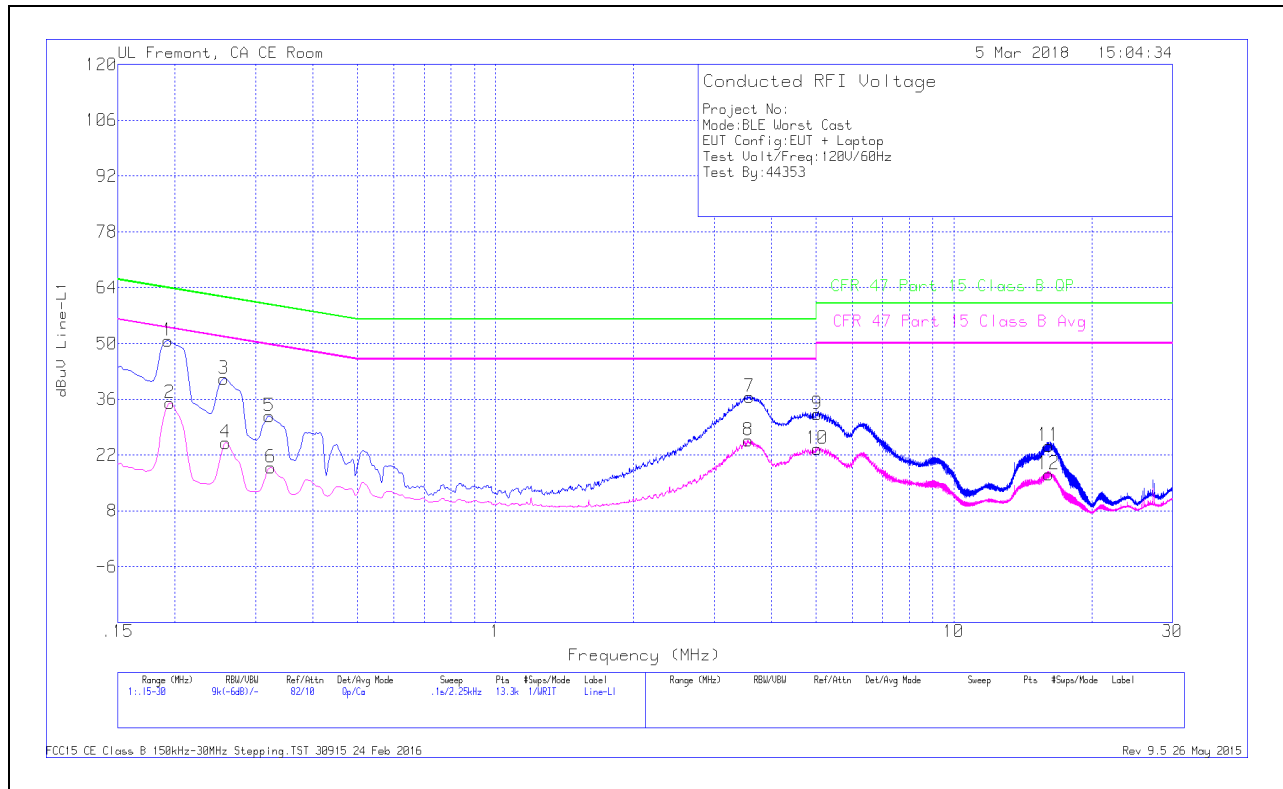
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

10.1.1. AC Power Line Host

LINE 1 RESULTS



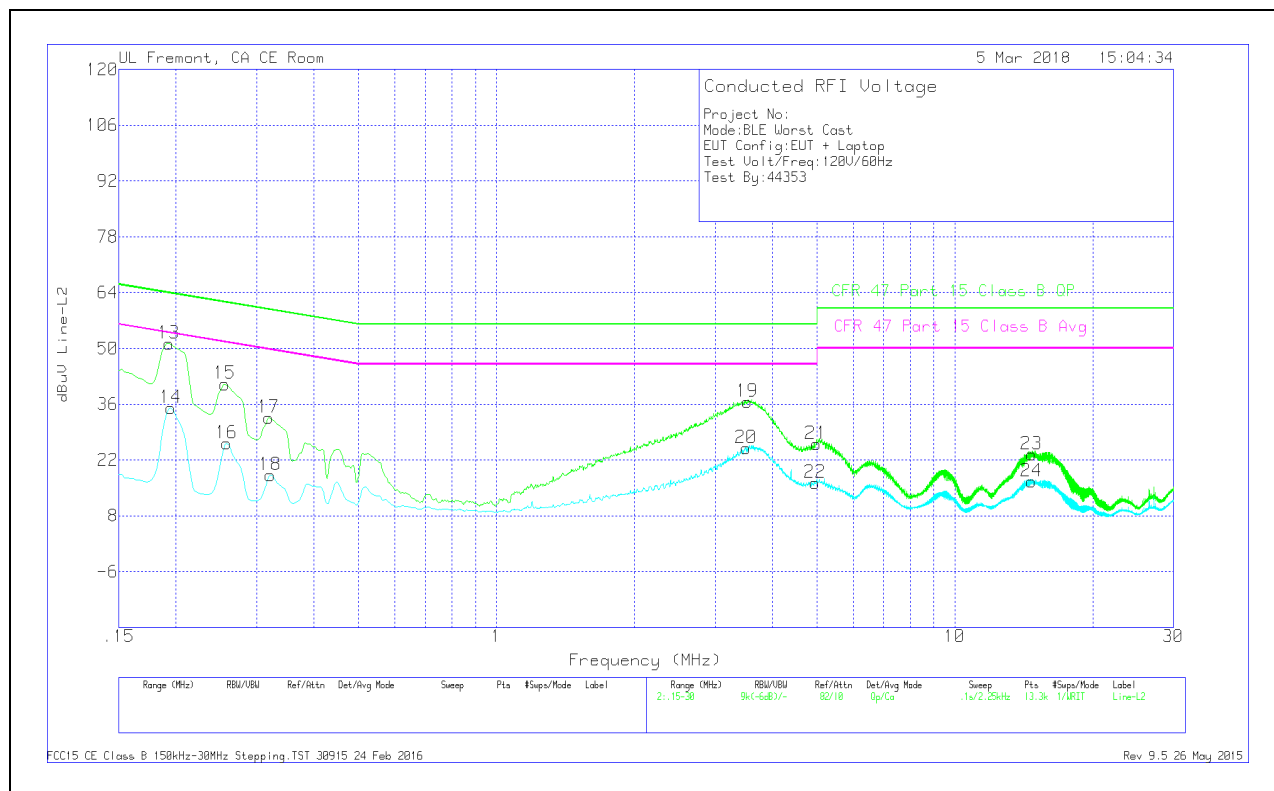
Range 1: Line-L1 .15 - 30MHz

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	.19275	40.59	Qp	0	0	10.1	50.69	63.92	-13.23	-	-
2	.195	25.02	Ca	0	0	10.1	35.12	-	-	53.82	-18.7
3	.25575	31.11	Qp	0	0	10.1	41.21	61.57	-20.36	-	-
4	.258	14.96	Ca	0	0	10.1	25.06	-	-	51.5	-26.44
5	.321	21.61	Qp	0	0	10.1	31.71	59.68	-27.97	-	-
6	.32325	8.81	Ca	0	0	10.1	18.91	-	-	49.62	-30.71
7	3.5835	26.48	Qp	0	.1	10.1	36.68	56	-19.32	-	-
8	3.561	15.51	Ca	0	.1	10.1	25.71	-	-	46	-20.29
9	5.03025	22.02	Qp	0	.1	10.1	32.22	60	-27.78	-	-
10	5.0325	13.3	Ca	0	.1	10.1	23.5	-	-	50	-26.5
11	16.1048	13.76	Qp	0	.3	10.3	24.36	60	-35.64	-	-
12	16.1273	6.63	Ca	0	.3	10.3	17.23	-	-	50	-32.77

Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 2 RESULTS



Range 2: Line-L2 .15 - 30MHz

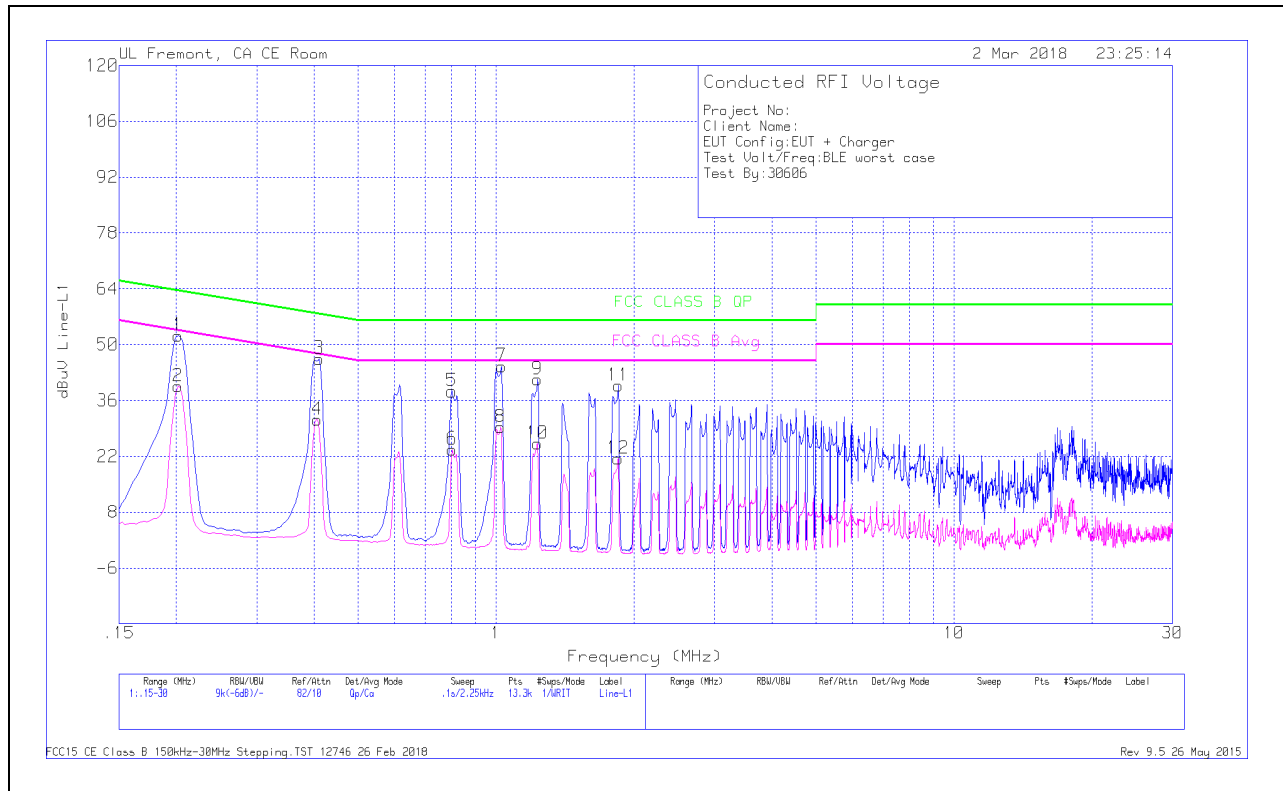
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L2	LC Cables C2&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
13	.19275	41.16	Qp	0	0	10.1	51.26	63.92	-12.66	-	-
14	.195	24.91	Ca	0	0	10.1	35.01	-	-	53.82	-18.81
15	.25575	30.95	Qp	0	0	10.1	41.05	61.57	-20.52	-	-
16	.258	16.1	Ca	0	0	10.1	26.2	-	-	51.5	-25.3
17	.31875	22.48	Qp	0	0	10.1	32.58	59.74	-27.16	-	-
18	.321	8.08	Ca	0	0	10.1	18.18	-	-	49.68	-31.5
19	3.52725	26.34	Qp	0	.1	10.1	36.54	56	-19.46	-	-
20	3.50475	14.78	Ca	0	.1	10.1	24.98	-	-	46	-21.02
21	4.98188	15.85	Qp	0	.1	10.1	26.05	56	-29.95	-	-
22	4.965	6.09	Ca	0	.1	10.1	16.29	-	-	46	-29.71
23	14.7165	12.75	Qp	.1	.3	10.2	23.35	60	-36.65	-	-
24	14.6963	5.97	Ca	.1	.3	10.2	16.57	-	-	50	-33.43

Qp - Quasi-Peak detector

Ca - CISPR average detection

10.1.2. AC Power Line Norm

LINE 1 RESULTS



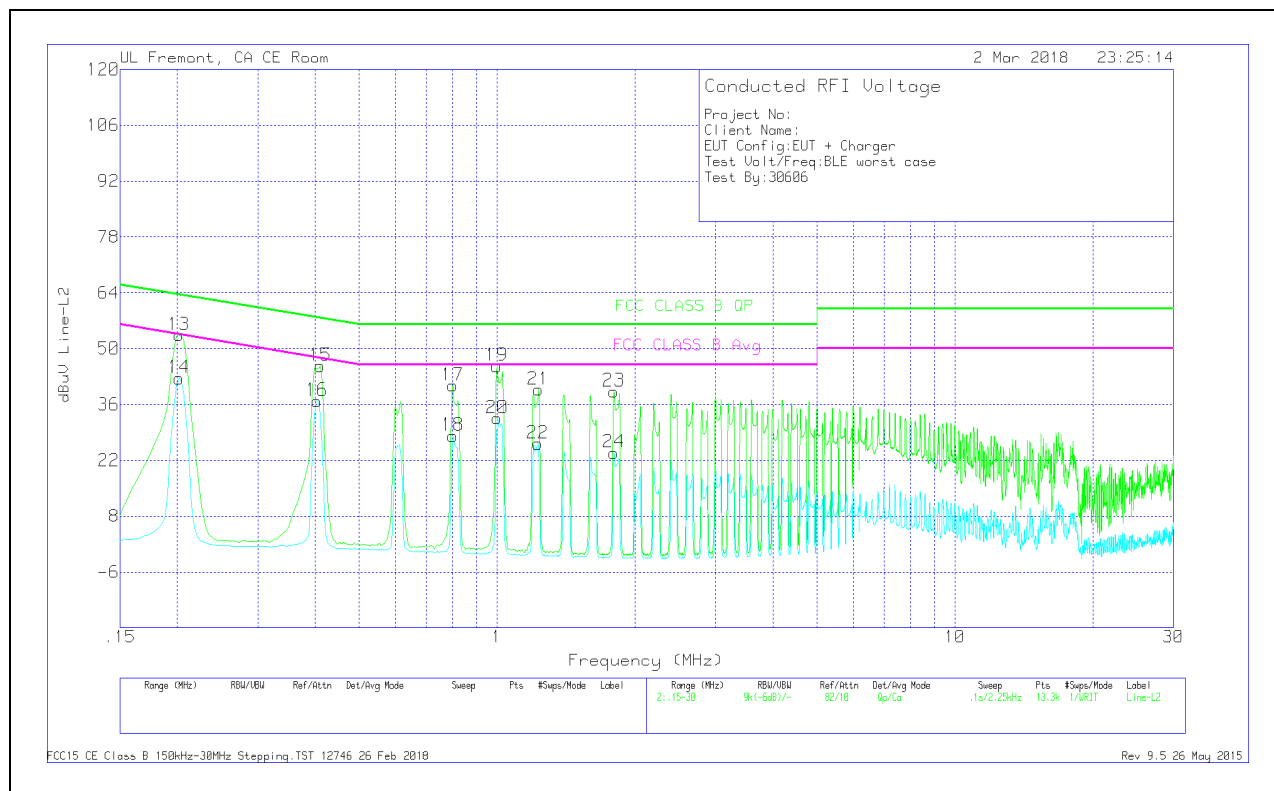
Range 1: Line-L1 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L1	LC Cables C1&C3	Corrected Reading dBuV	FCC CLASS B QP	Margin (dB)	FCC CLASS B Avg	Margin (dB)
1	.20175	52.29	Qp	0	0	52.29	63.54	-11.25	-	-
2	.20175	39.53	Ca	0	0	39.53	-	-	53.54	-14.01
3	.411	46.44	Qp	0	0	46.44	57.63	-11.19	-	-
4	.4065	31.2	Ca	0	0	31.2	-	-	47.72	-16.52
5	.80025	38.31	Qp	0	0	38.31	56	-17.69	-	-
6	.8025	23.74	Ca	0	0	23.74	-	-	46	-22.26
7	1.0275	44.5	Qp	0	.1	44.6	56	-11.4	-	-
8	1.023	29.18	Ca	0	.1	29.28	-	-	46	-16.72
9	1.23225	41.19	Qp	0	.1	41.29	56	-14.71	-	-
10	1.23	25.1	Ca	0	.1	25.2	-	-	46	-20.8
11	1.84875	39.65	Qp	0	.1	39.75	56	-16.25	-	-
12	1.8465	21.33	Ca	0	.1	21.43	-	-	46	-24.57

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	Corrected Reading dBuV	FCC CLASS B QP	Margin (dB)	FCC CLASS B Avg	Margin (dB)
13	.20175	53.38	Qp	0	0	53.38	63.54	-10.16	-	-
14	.20175	42.58	Ca	0	0	42.58	-	-	53.54	-10.96
15	.411	45.66	Qp	0	0	45.66	57.63	-11.97	-	-
16	.40425	36.88	Ca	0	0	36.88	-	-	47.77	-10.89
17	.80025	40.78	Qp	0	0	40.78	56	-15.22	-	-
18	.80025	28.18	Ca	0	0	28.18	-	-	46	-17.82
19	.99825	45.56	Qp	0	.1	45.66	56	-10.34	-	-
20	1.0005	32.47	Ca	0	.1	32.57	-	-	46	-13.43
21	1.23225	39.6	Qp	0	.1	39.7	56	-16.3	-	-
22	1.22775	26.08	Ca	0	.1	26.18	-	-	46	-19.82
23	1.79925	39.2	Qp	0	.1	39.3	56	-16.7	-	-
24	1.79925	23.82	Ca	0	.1	23.92	-	-	46	-22.08

Qp - Quasi-Peak detector
Ca - CISPR average detection

END OF REPORT

11. SETUP PHOTOS

Please refer to 12204475-EP1V1 for setup photos