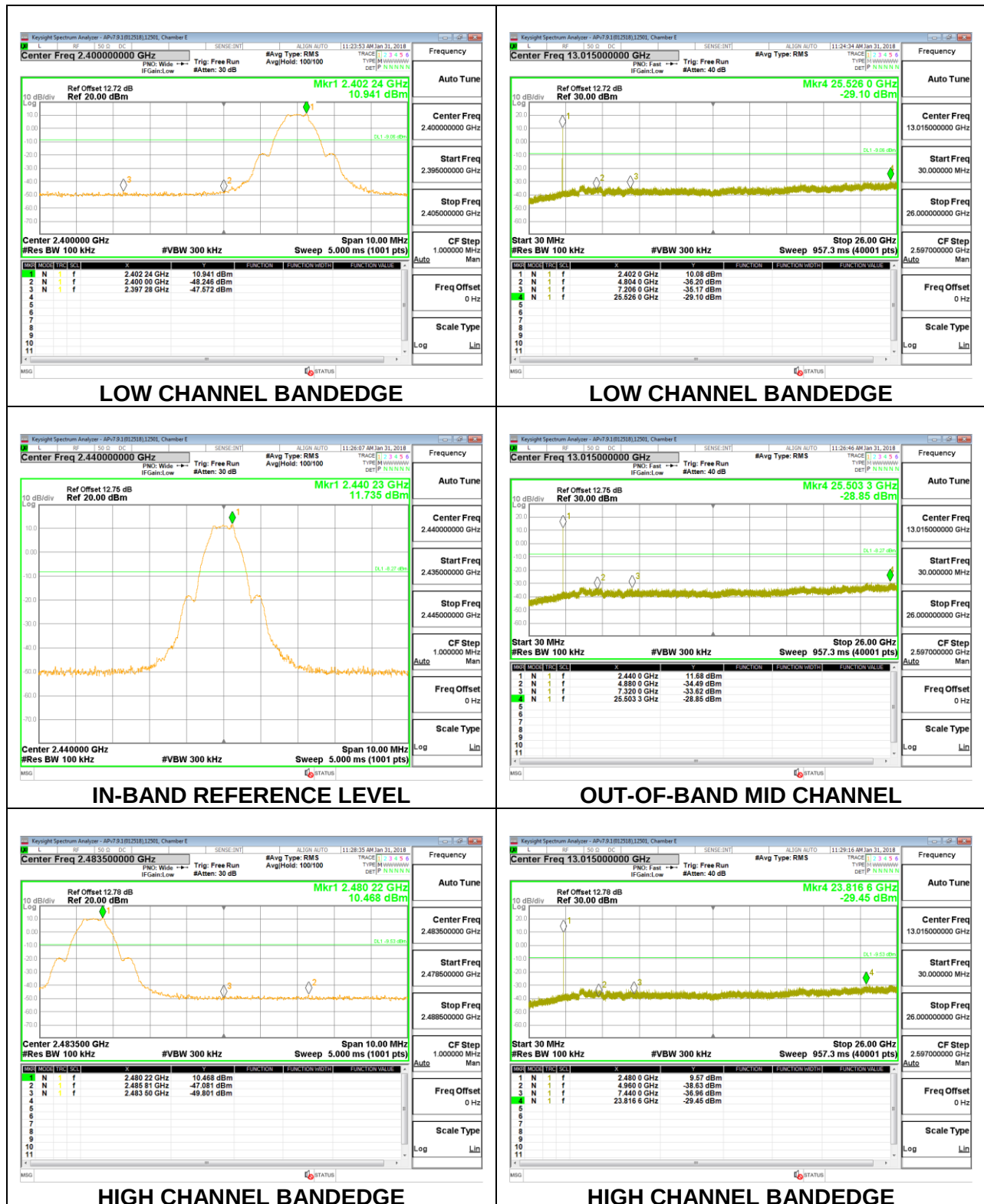
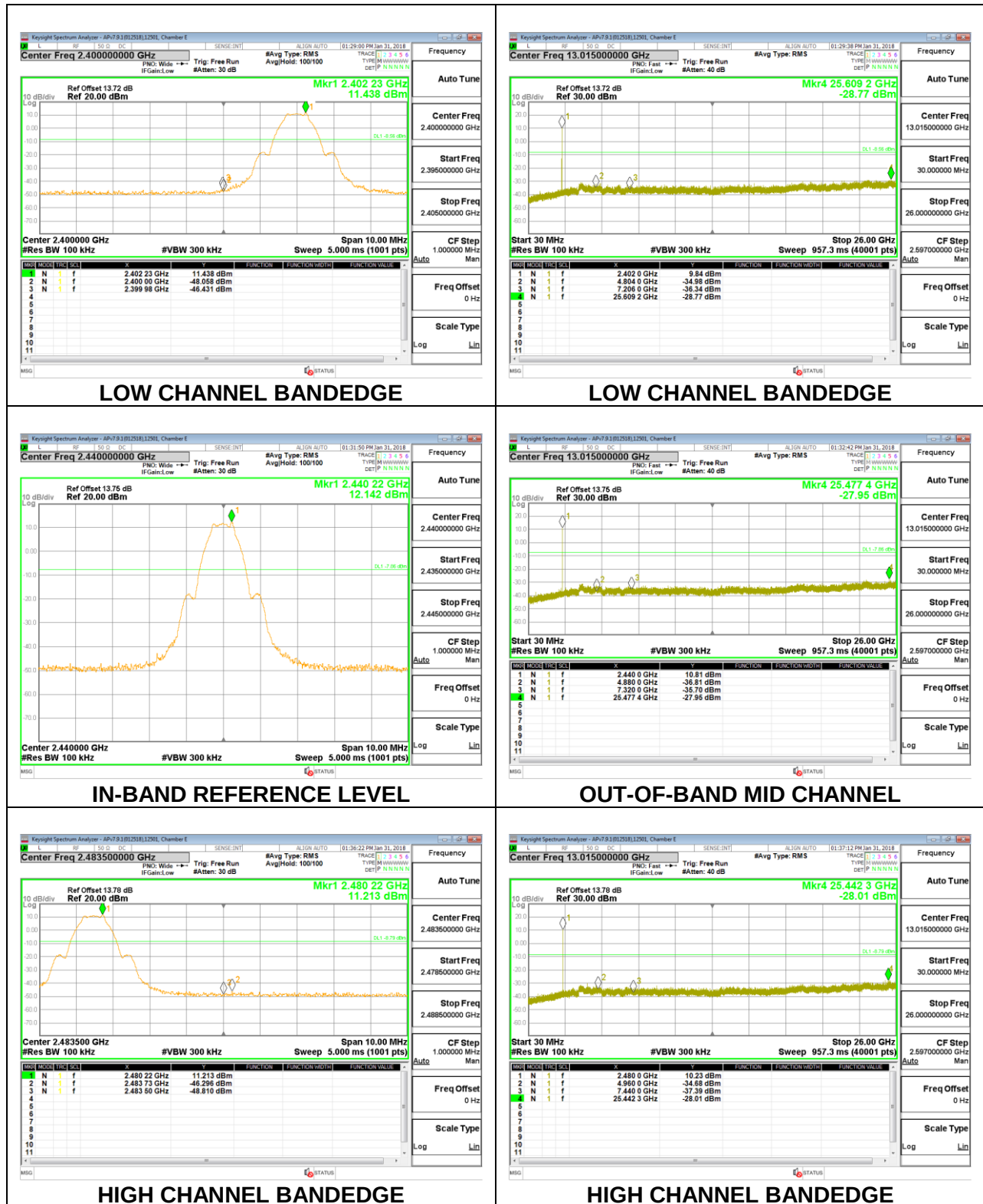


8.7.3. LOW POWER BLE (1Mbps)

ANTENNA 4

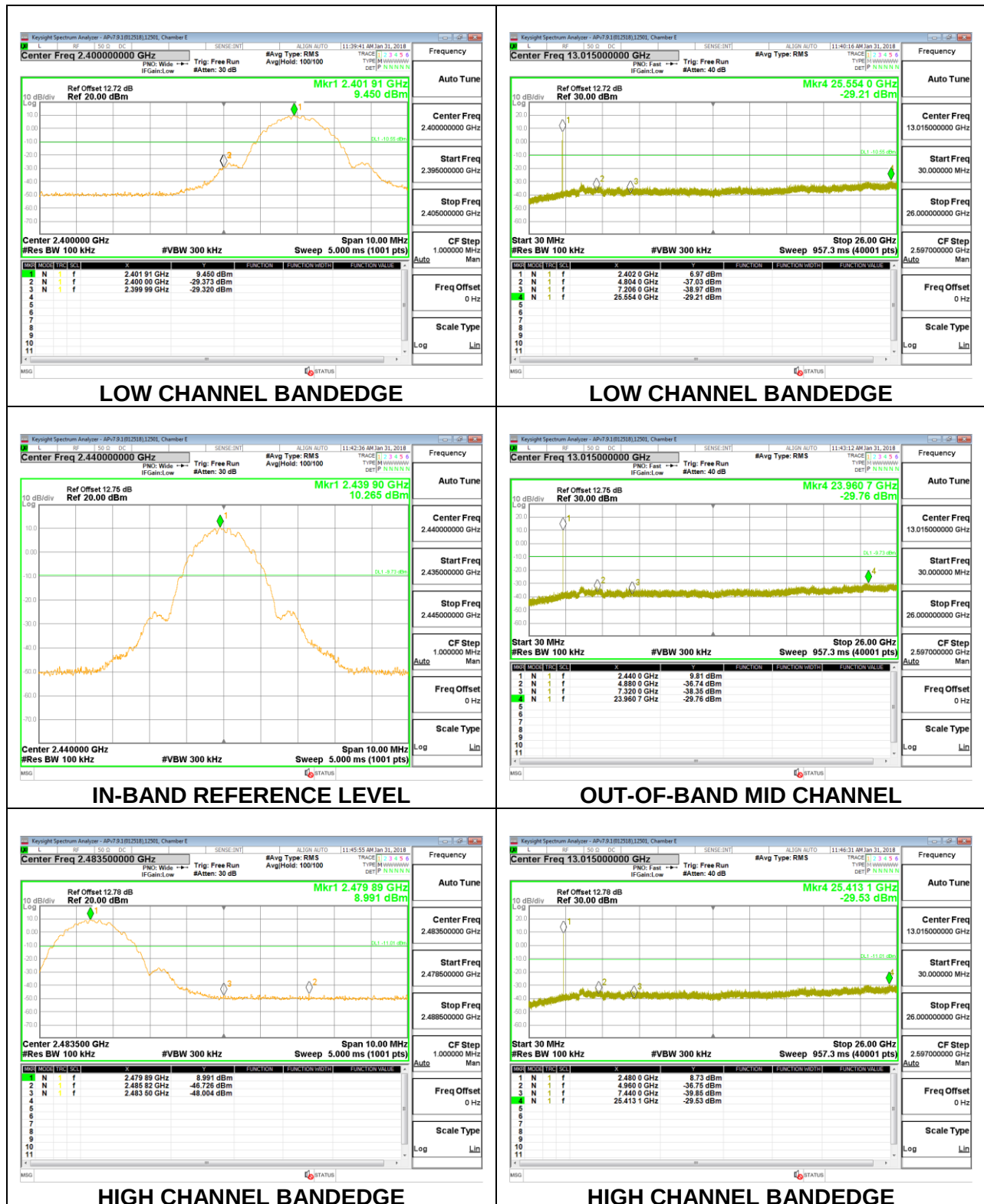


ANTENNA 3

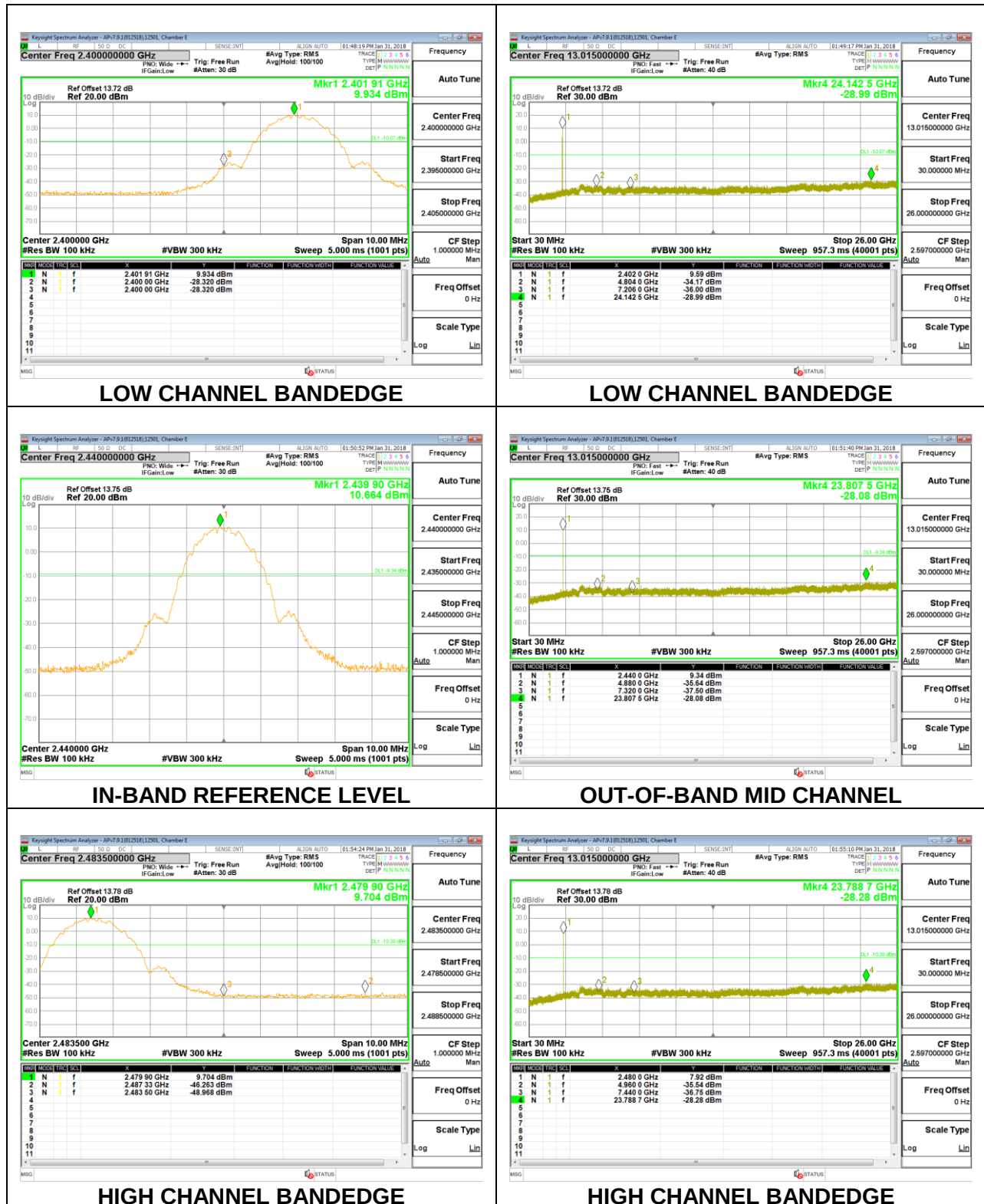


8.7.4. LOW POWER BLE (2Mbps)

ANTENNA 4



ANTENNA 3



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.

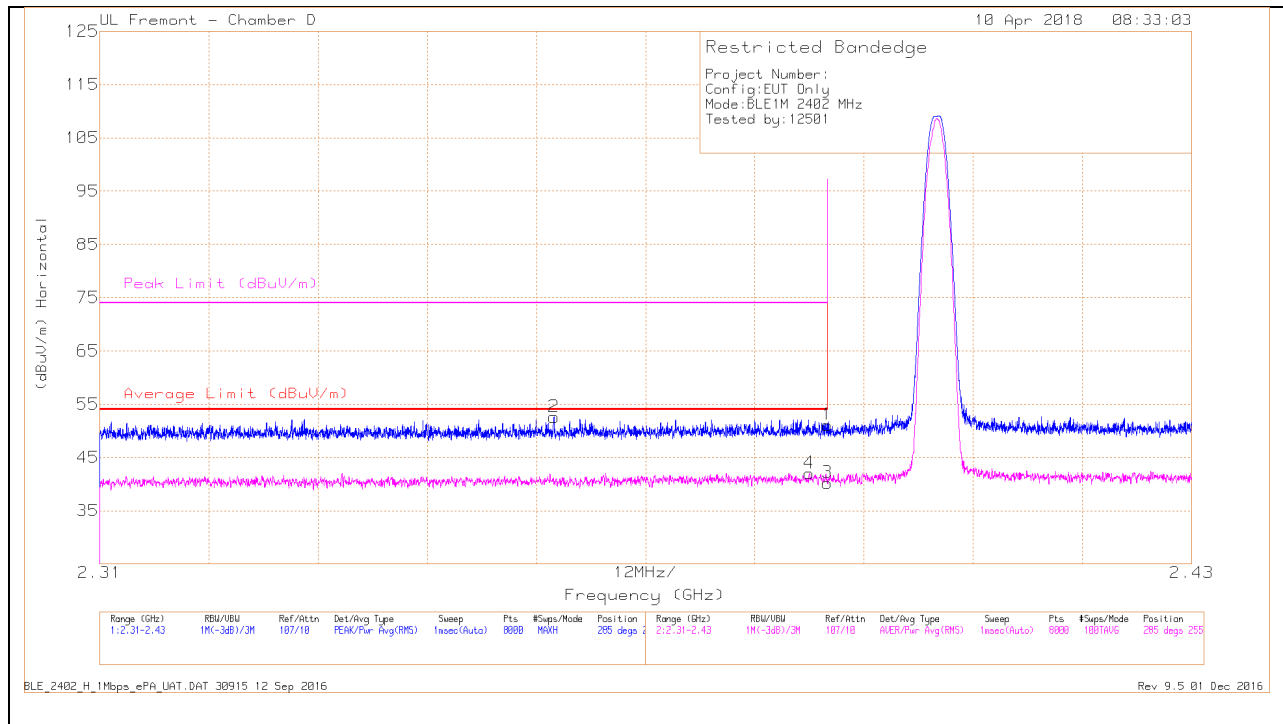
9.2. TRANSMITTER ABOVE 1 GHz

9.2.1. HIGH POWER BLE (1Mbps)

ANTENNA 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



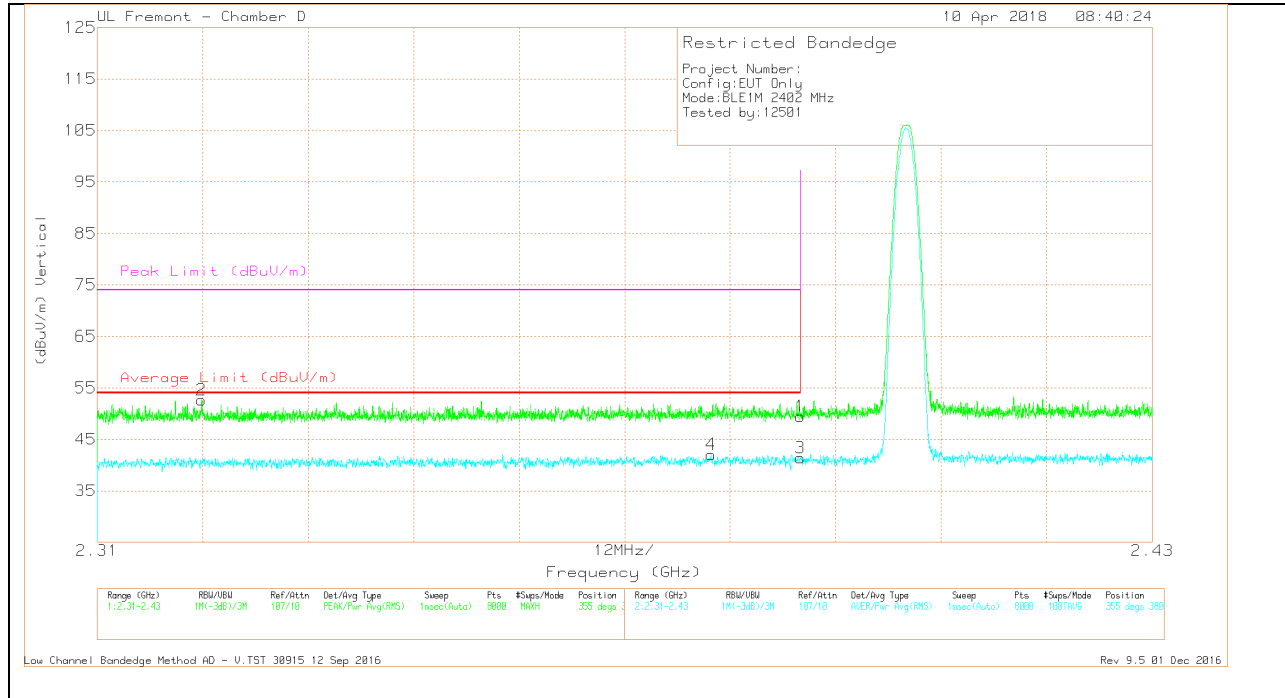
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl /Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.36	41.5	Pk	31.7	-20.6	52.6	-	-	74	-21.4	285	255	H
4	* 2.388	30.65	RMS	31.9	-20.5	42.05	54	-11.95	-	-	285	255	H
1	* 2.39	39.72	Pk	31.9	-20.5	51.12	-	-	-	-22.88	285	255	H
3	* 2.39	28.85	RMS	31.9	-20.5	40.25	54	-13.75	-	-	285	255	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl /Fitr/Pad (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	38.05	Pk	31.9	-20.5	49.45	-	-	74	-24.55	355	380	V
2	* 2.322	41.73	Pk	31.5	-20.6	52.63	-	-	74	-21.37	355	380	V
3	* 2.39	29.98	RMS	31.9	-20.5	41.38	54	-12.62	-	-	355	380	V
4	* 2.38	30.64	RMS	31.8	-20.4	42.04	54	-11.96	-	-	355	380	V

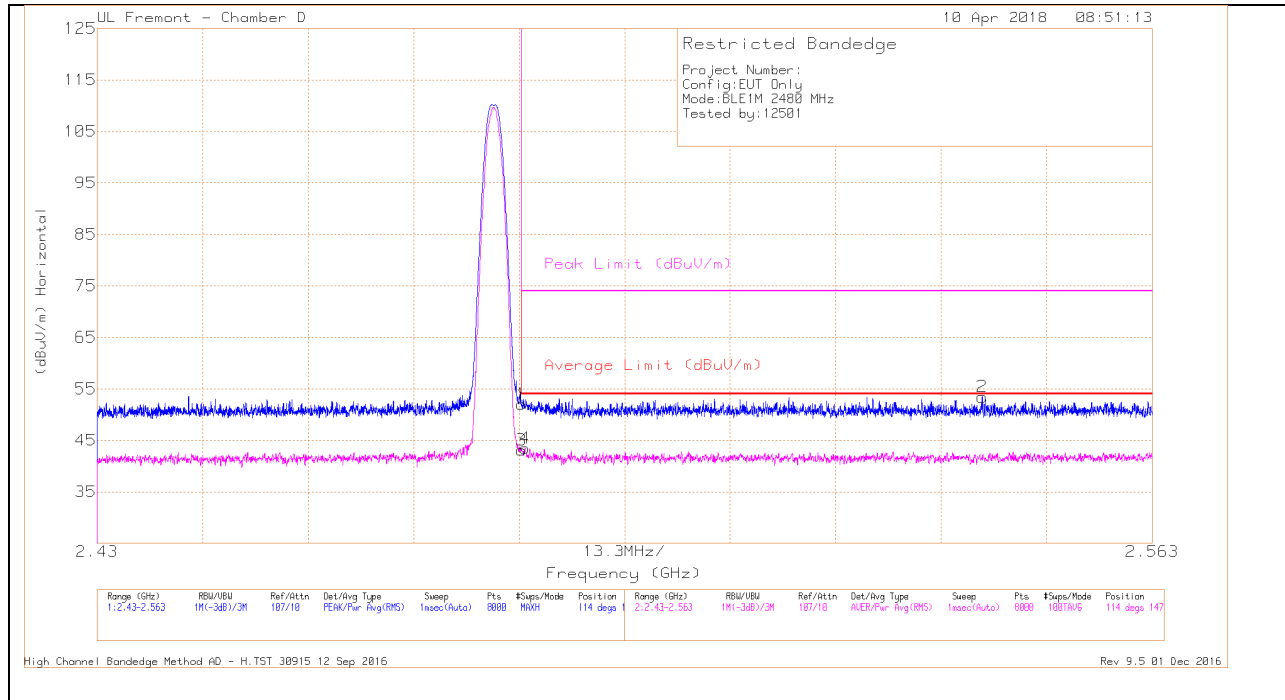
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



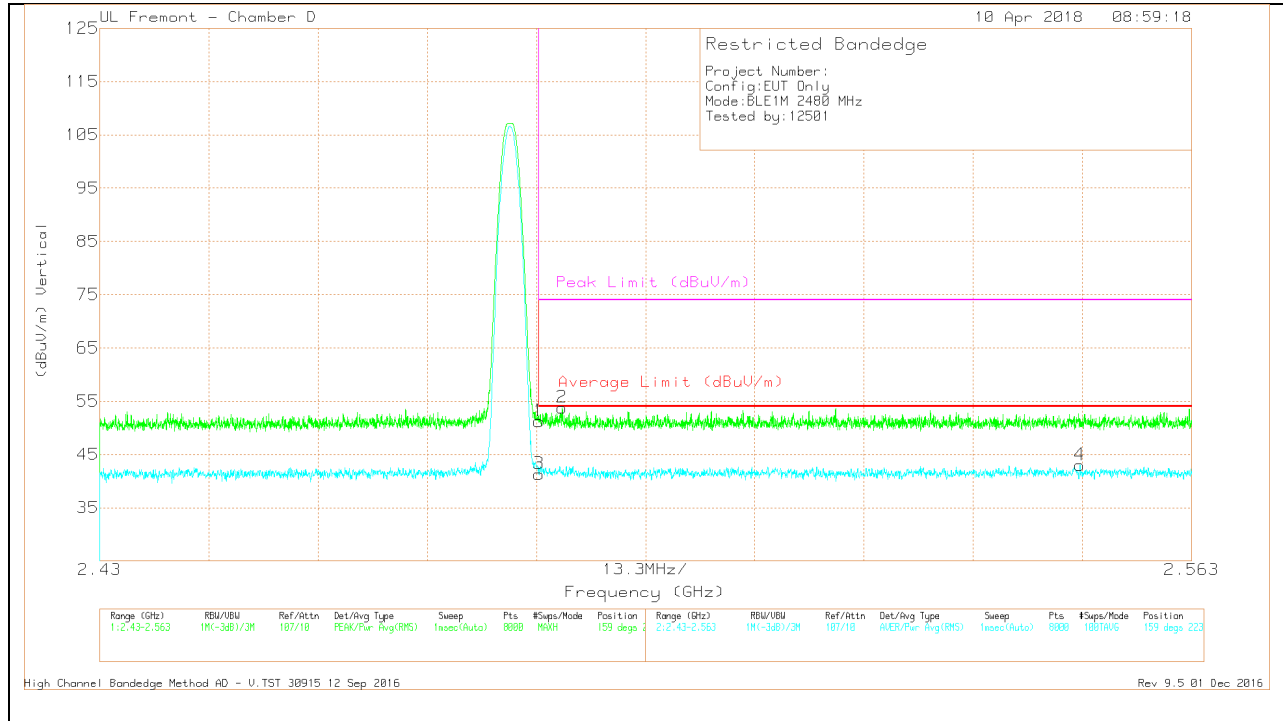
Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.01	Pk	32.4	-20.4	52.01	-	-	74	-21.99	114	147	H
3	* 2.484	31.12	RMS	32.4	-20.4	43.12	54	-10.88	-	-	114	147	H
4	* 2.484	31.59	RMS	32.4	-20.5	43.49	54	-10.51	-	-	114	147	H
2	2.542	41.36	Pk	32.4	-20.3	53.46	-	-	74	-20.54	114	147	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	39.26	Pk	32.4	-20.4	51.26	-	-	74	-22.74	159	223	V
3	* 2.484	29.34	RMS	32.4	-20.4	41.34	54	-12.66	-	-	159	223	V
2	* 2.486	41.9	Pk	32.4	-20.5	53.8	-	-	74	-20.2	159	223	V
4	2.549	30.93	RMS	32.4	-20.3	43.03	54	-10.97	-	-	159	223	V

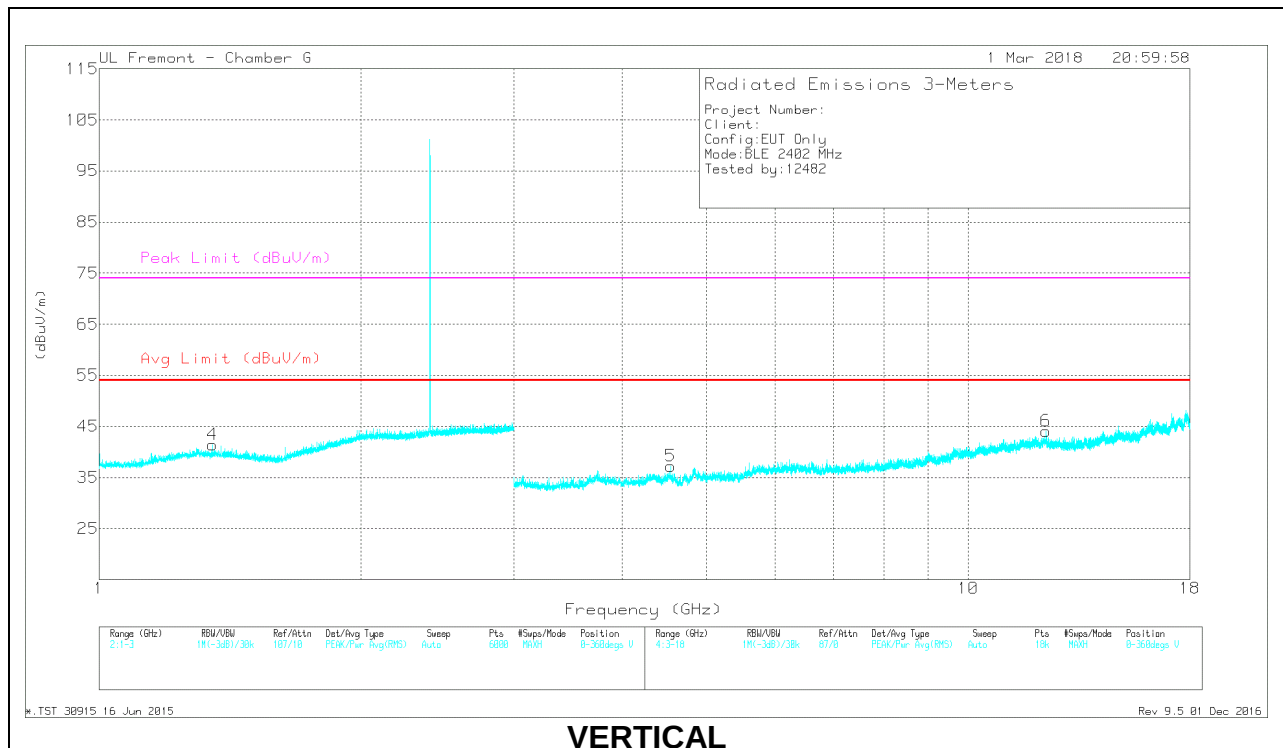
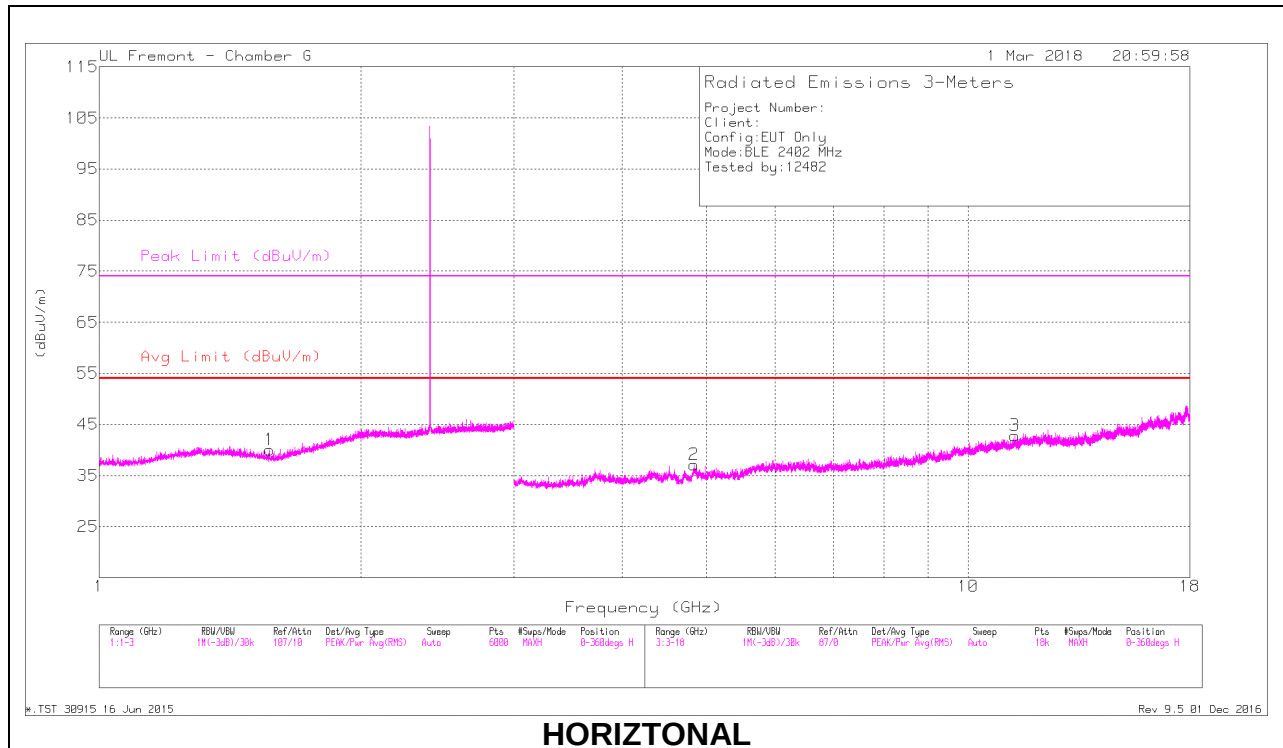
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

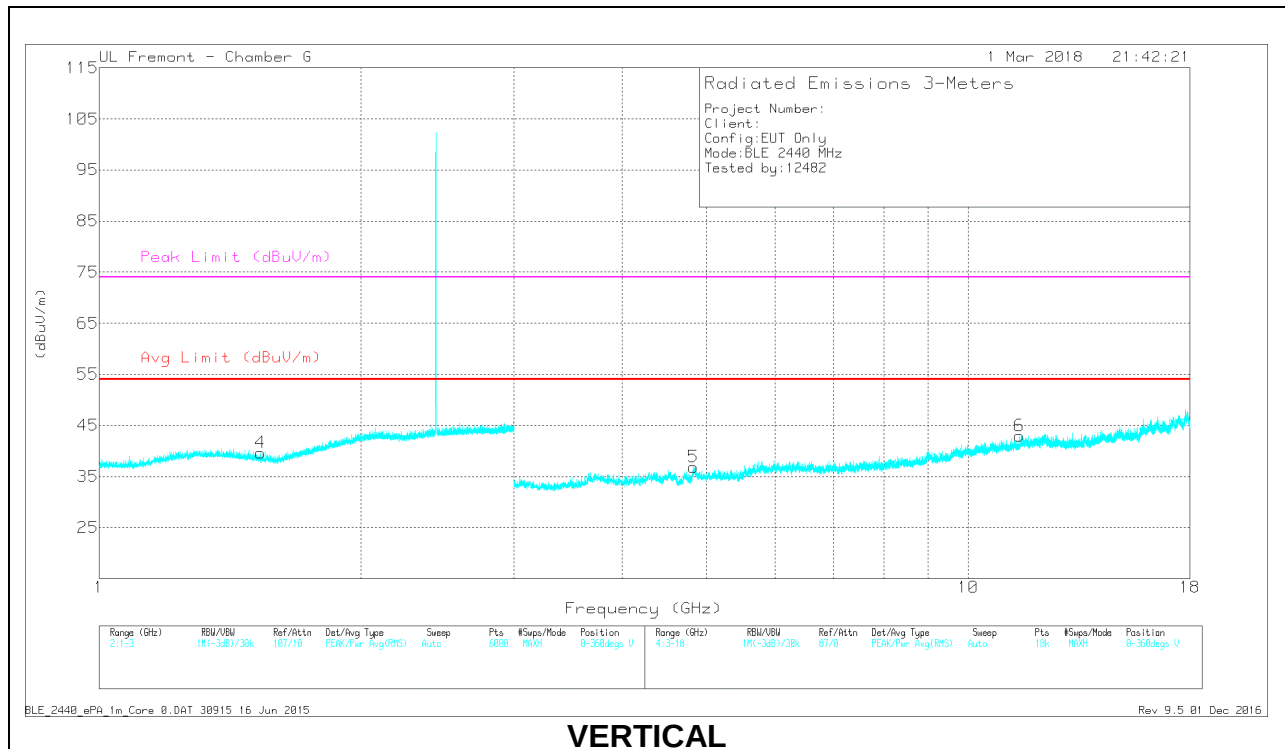
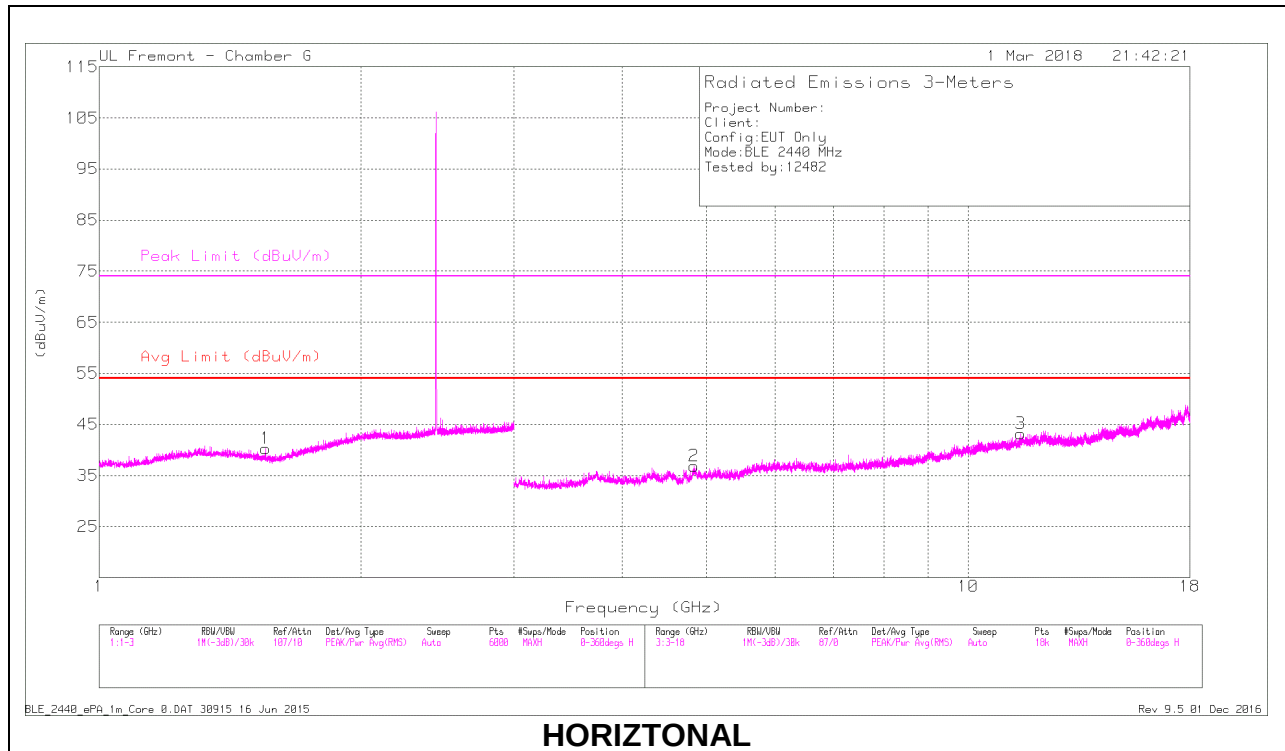
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.568	43.63	PK2	27.6	-25	46.23	-	-	74	-27.77	304	290	H
	* 1.569	31.9	MAv1	27.6	-25	34.5	54	-19.5	-	-	304	290	H
4	* 1.352	44.28	PK2	28.8	-25.4	47.68	-	-	74	-26.32	331	319	V
	* 1.351	32.07	MAv1	28.8	-25.5	35.37	54	-18.63	-	-	331	319	V
2	* 4.839	41.92	PK2	34.1	-32.2	43.82	-	-	74	-30.18	42	187	H
	* 4.841	30.37	MAv1	34.1	-32.2	32.27	54	-21.73	-	-	42	187	H
3	* 11.311	36.31	PK2	38.1	-25.1	49.31	-	-	74	-24.69	42	314	H
	* 11.312	24.56	MAv1	38.1	-25.1	37.56	54	-16.44	-	-	42	314	H
5	* 4.547	40.22	PK2	34.2	-32.3	42.12	-	-	74	-31.88	356	218	V
	* 4.546	28.76	MAv1	34.2	-32.3	30.66	54	-23.34	-	-	356	218	V
6	* 12.303	36.21	PK2	38.7	-25.4	49.51	-	-	74	-24.49	106	251	V
	* 12.302	24.57	MAv1	38.7	-25.4	37.87	54	-16.13	-	-	106	251	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

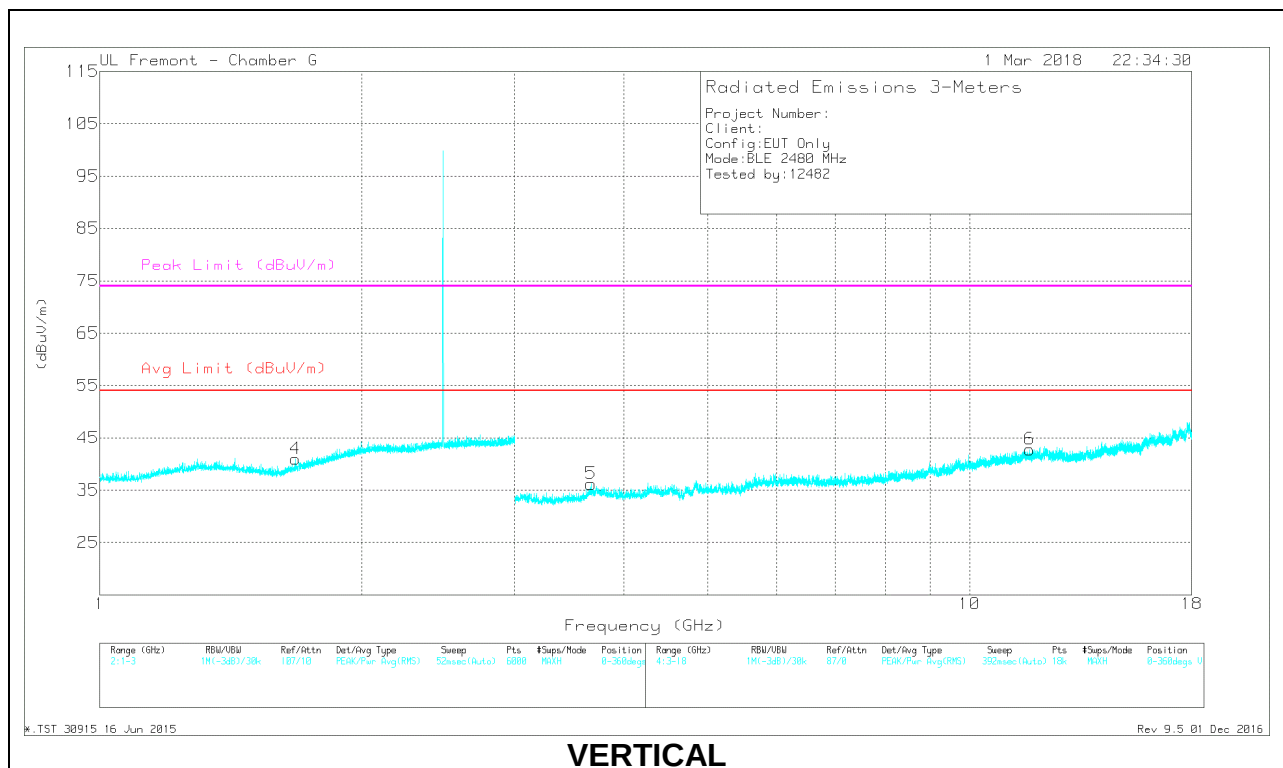
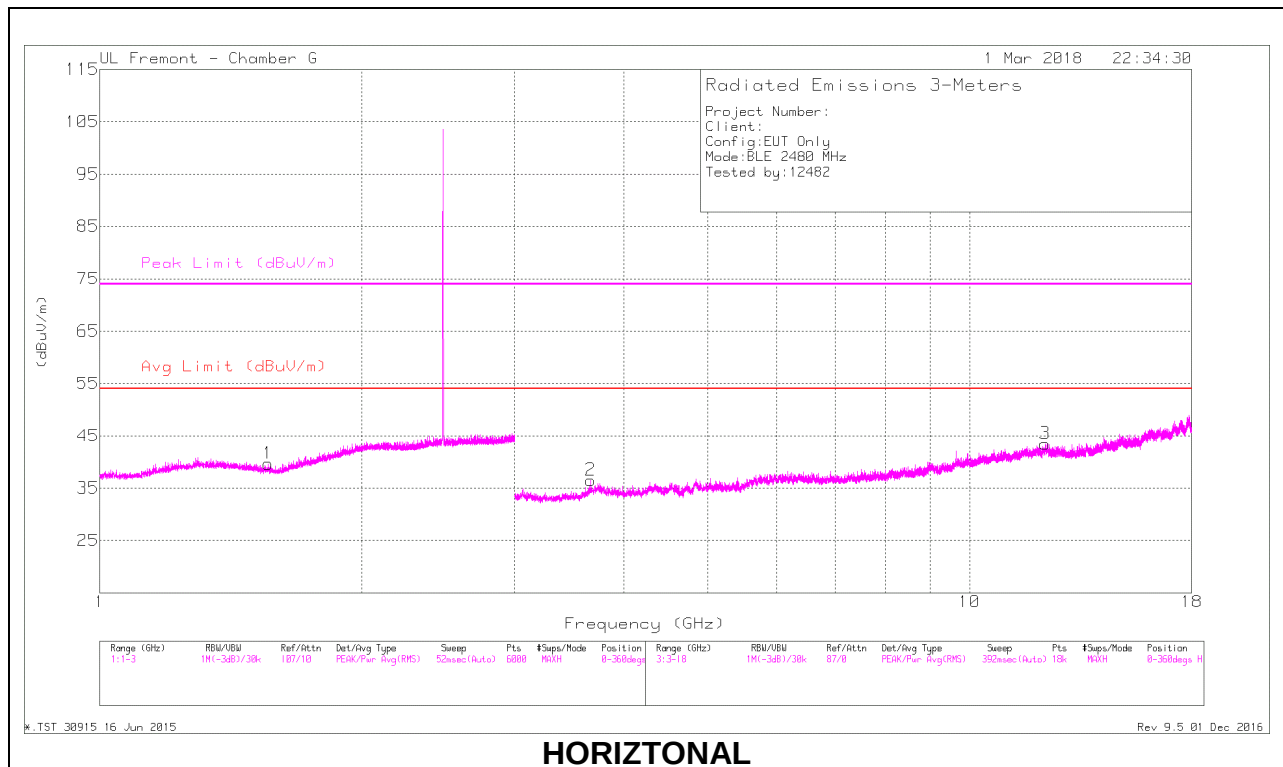
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.554	43.92	PK2	27.7	-25	46.62	-	-	74	-27.38	349	211	H
	* 1.552	31.97	MAv1	27.7	-25	34.67	54	-19.33	-	-	349	211	H
4	* 1.533	43.39	PK2	27.8	-25.1	46.09	-	-	74	-27.91	127	247	V
	* 1.534	31.76	MAv1	27.8	-25.1	34.46	54	-19.54	-	-	127	247	V
2	* 4.841	41.67	PK2	34.1	-32.2	43.57	-	-	74	-30.43	102	306	H
	* 4.841	30.32	MAv1	34.1	-32.2	32.22	54	-21.78	-	-	102	306	H
3	* 11.501	36.8	PK2	38.4	-25.6	49.6	-	-	74	-24.4	93	311	H
	* 11.5	25.1	MAv1	38.4	-25.7	37.8	54	-16.2	-	-	93	311	H
5	* 4.831	41.41	PK2	34.1	-32.2	43.31	-	-	74	-30.69	356	119	V
	* 4.832	29.86	MAv1	34.1	-32.2	31.76	54	-22.24	-	-	356	119	V
6	* 11.455	38.16	PK2	38.3	-26.4	50.06	-	-	74	-23.94	127	398	V
	* 11.456	26.15	MAv1	38.3	-26.4	38.05	54	-15.95	-	-	127	398	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	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.564	44.49	PK2	27.6	-25	47.09	-	-	74	-26.91	114	400	H
	* 1.563	31.97	MAv1	27.6	-25	34.57	54	-19.43	-	-	114	400	H
4	* 1.678	43.84	PK2	28.4	-24.9	47.34	-	-	74	-26.66	7	160	V
	* 1.679	31.94	MAv1	28.4	-24.9	35.44	54	-18.56	-	-	7	160	V
2	* 3.665	40.66	PK2	33.3	-31.4	42.56	-	-	74	-31.44	175	289	H
	* 3.666	29.06	MAv1	33.3	-31.4	30.96	54	-23.04	-	-	175	289	H
3	* 12.208	36.73	PK2	38.7	-25	50.43	-	-	74	-23.57	176	392	H
	* 12.207	24.93	MAv1	38.7	-25	38.63	54	-15.37	-	-	176	392	H
5	* 3.671	40.95	PK2	33.3	-31.4	42.85	-	-	74	-31.15	320	180	V
	* 3.67	28.52	MAv1	33.3	-31.4	30.42	54	-23.58	-	-	320	180	V
6	* 11.72	37.41	PK2	38.6	-26	50.01	-	-	74	-23.99	207	224	V
	* 11.72	25.04	MAv1	38.6	-26	37.64	54	-16.36	-	-	207	224	V

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

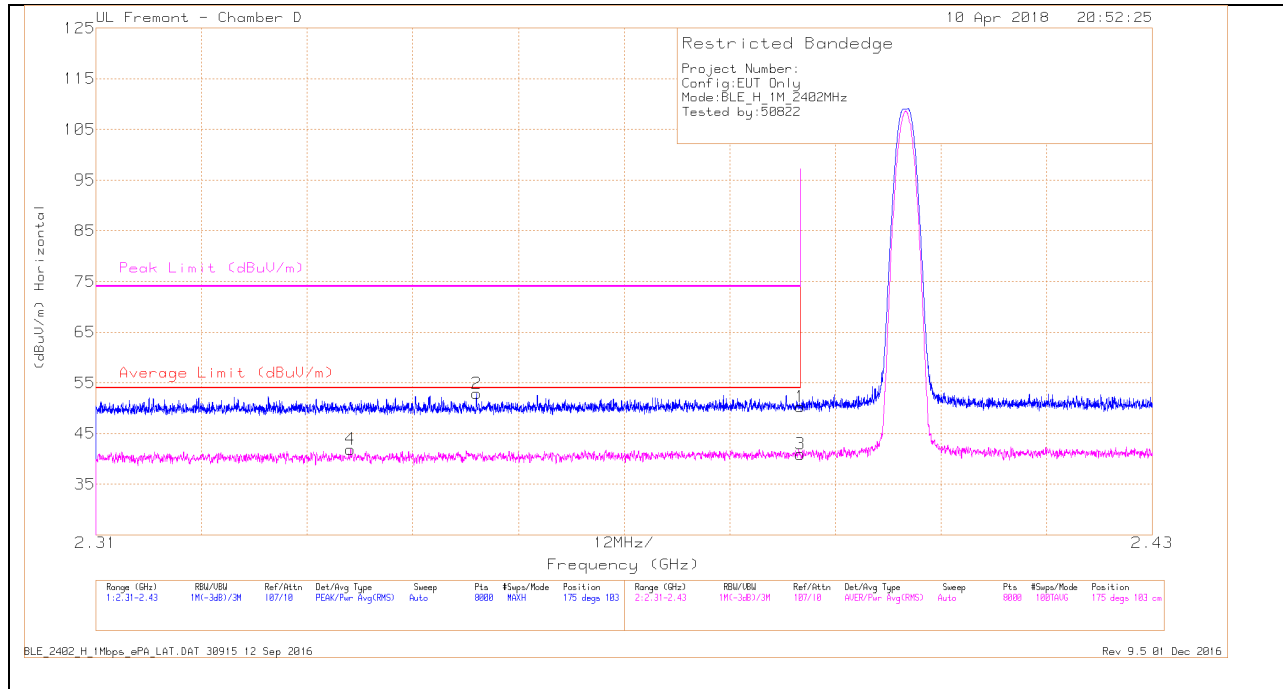
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

ANTENNA 3

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



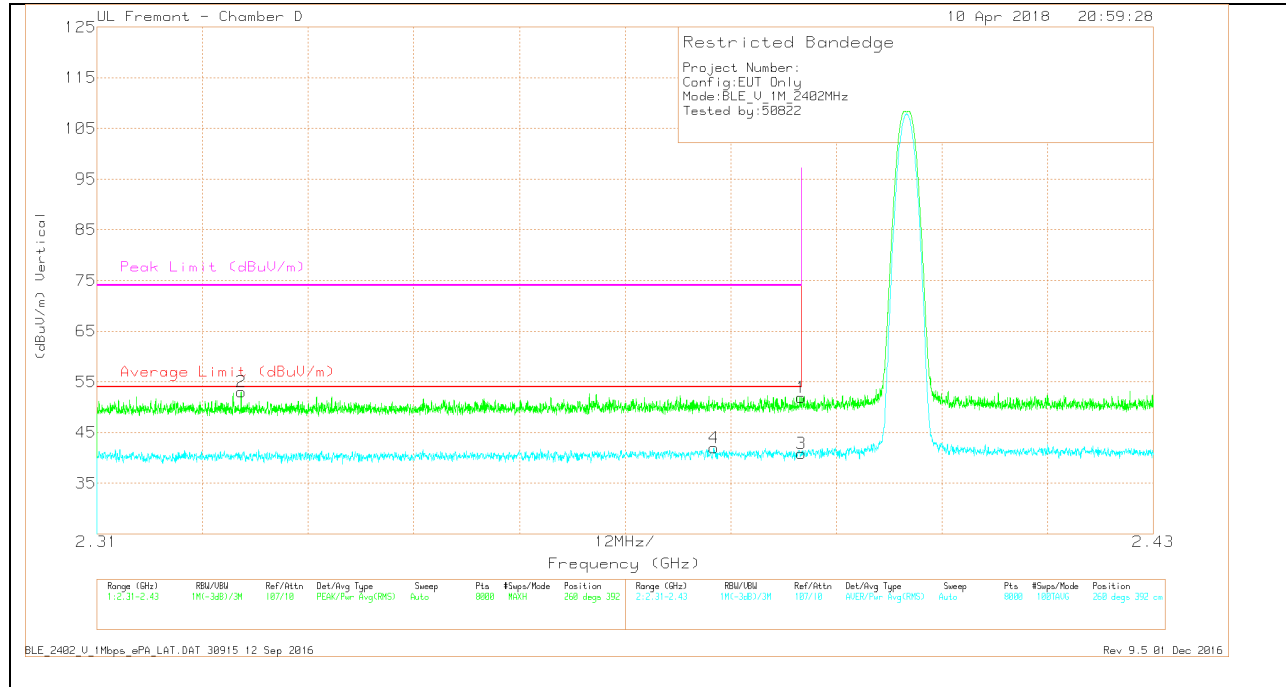
Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	38.88	Pk	31.9	-20.5	50.28	-	-	74	-23.72	175	103	H
2	* 2.353	41.92	Pk	31.6	-20.6	52.92	-	-	74	-21.08	175	103	H
3	* 2.39	29.52	RMS	31.9	-20.5	40.92	54	-13.08	-	-	175	103	H
4	* 2.339	30.91	RMS	31.6	-20.6	41.91	54	-12.09	-	-	175	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 T136 (dB/m)	Amp/Cbl /Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.326	42.16	Pk	31.5	-20.6	53.06	-	-	74	-20.94	260	392	V
4	* 2.38	30.53	RMS	31.8	-20.4	41.93	54	-12.07	-	-	260	392	V
1	* 2.39	40.46	Pk	31.9	-20.5	51.86	-	-	74	-22.14	260	392	V
3	* 2.39	29.42	RMS	31.9	-20.5	40.82	54	-13.18	-	-	260	392	V

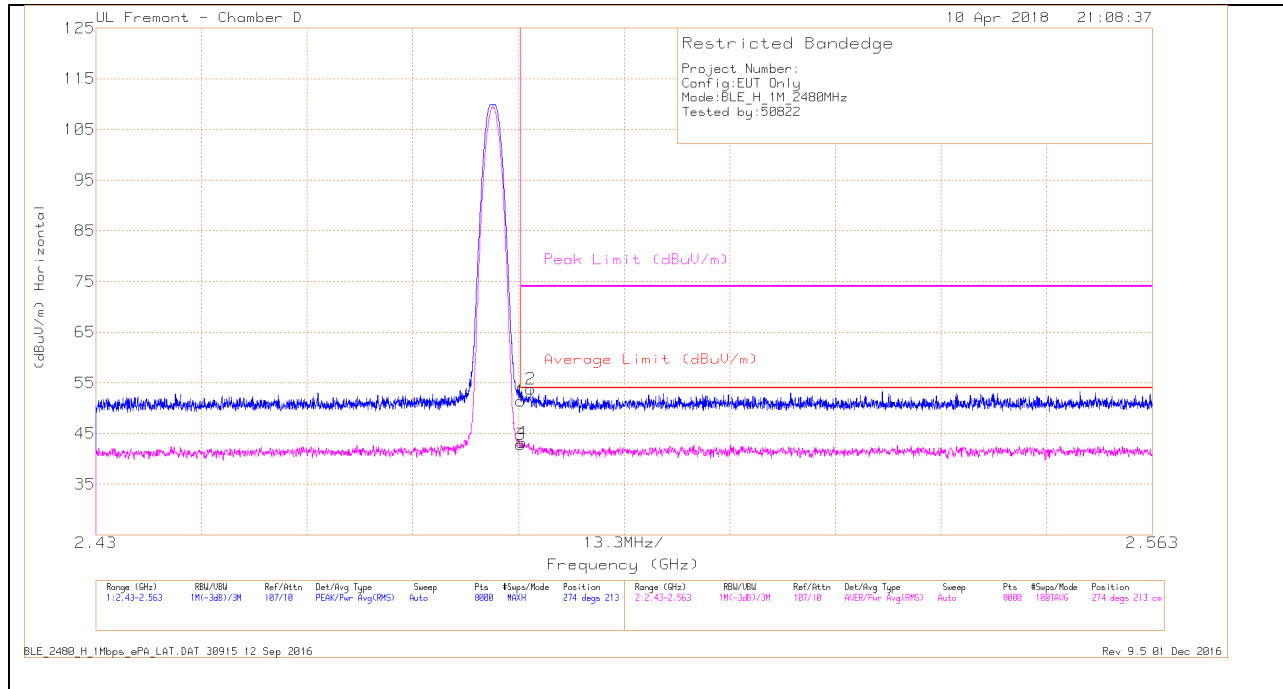
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



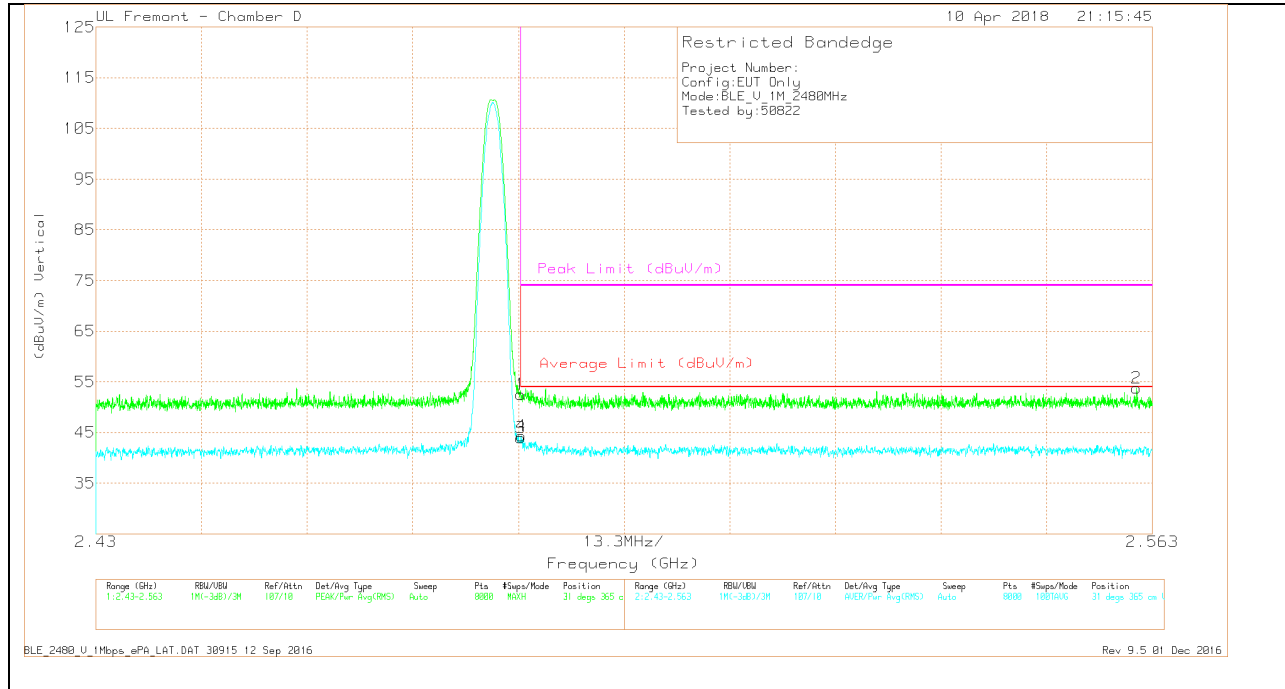
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	39.41	Pk	32.4	-20.4	51.41	-	-	74	-22.59	274	213	H
3	* 2.484	30.82	RMS	32.4	-20.4	42.82	54	-11.18	-	-	274	213	H
4	* 2.484	31.31	RMS	32.4	-20.5	43.21	54	-10.79	-	-	274	213	H
2	* 2.485	41.85	Pk	32.4	-20.5	53.75	-	-	74	-20.25	274	213	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.5	Pk	32.4	-20.4	52.5	-	-	74	-21.5	31	365	V
3	* 2.484	31.97	RMS	32.4	-20.4	43.97	54	-10.03	-	-	31	365	V
4	* 2.484	32.38	RMS	32.4	-20.5	44.28	54	-9.72	-	-	31	365	V
2	2.561	41.63	Pk	32.5	-20.4	53.73	-	-	74	-20.27	31	365	V

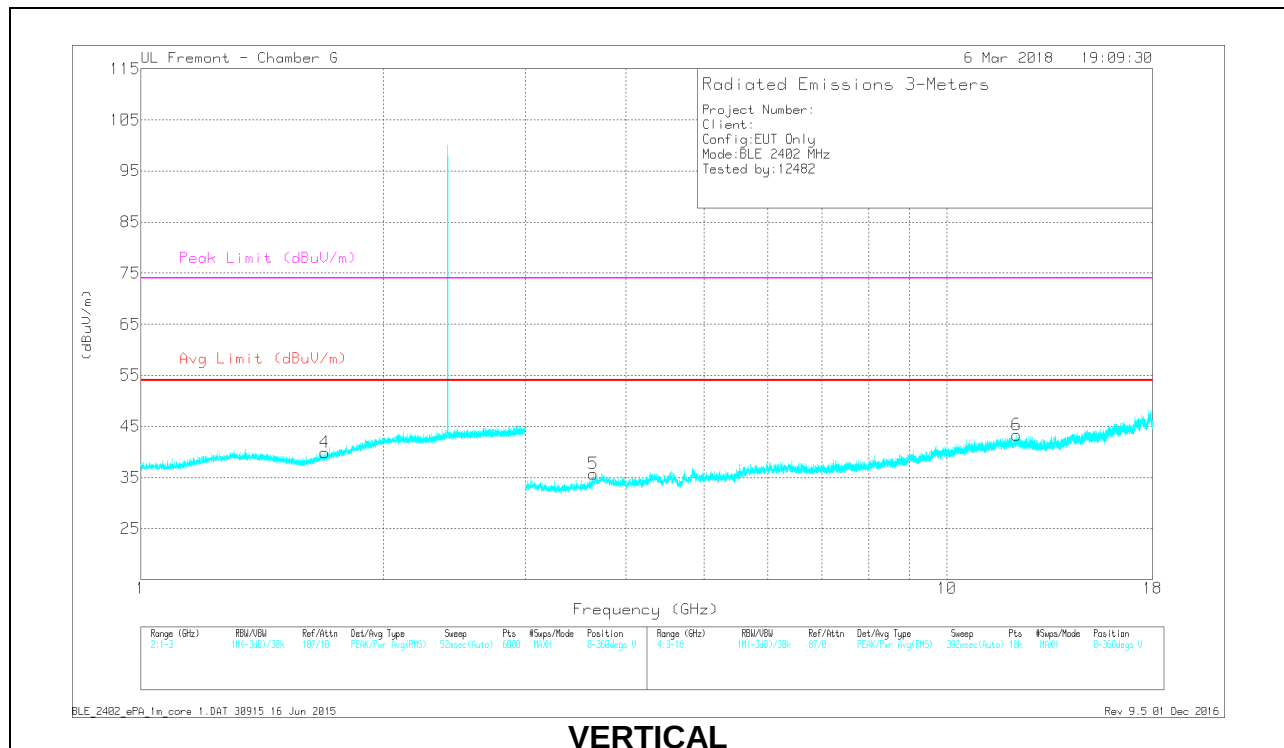
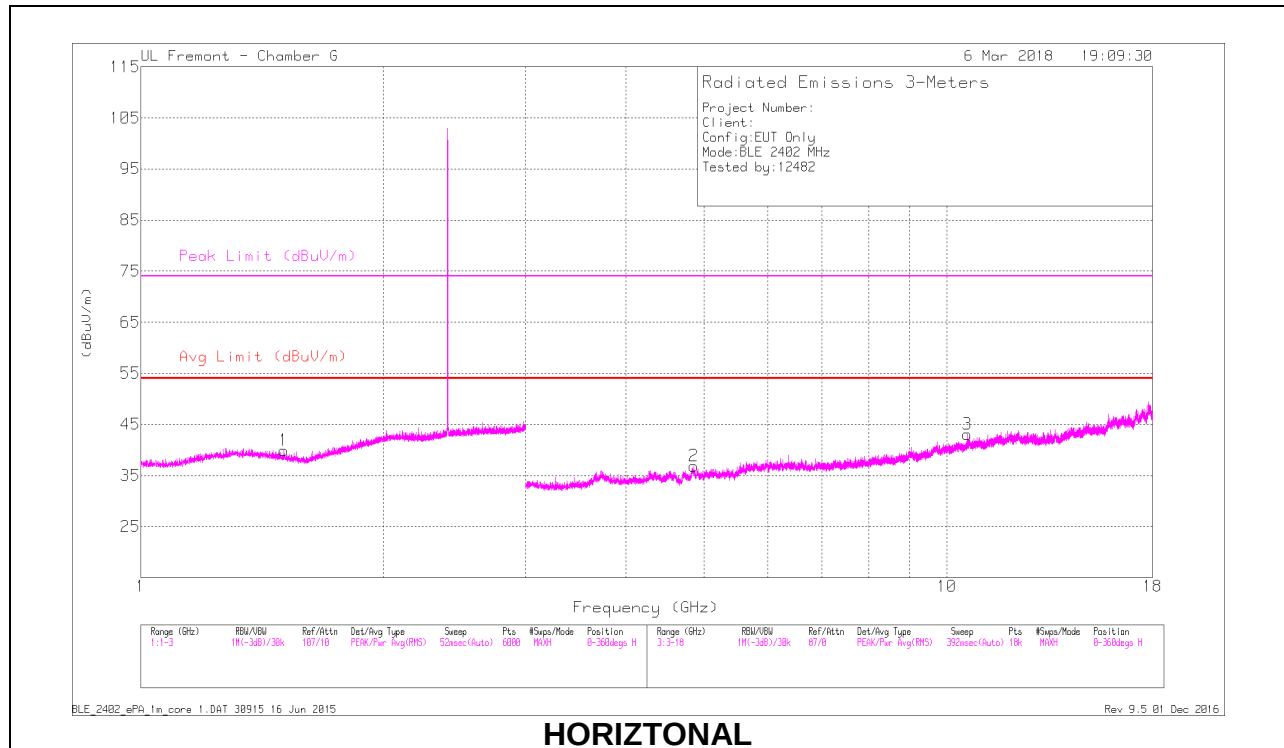
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

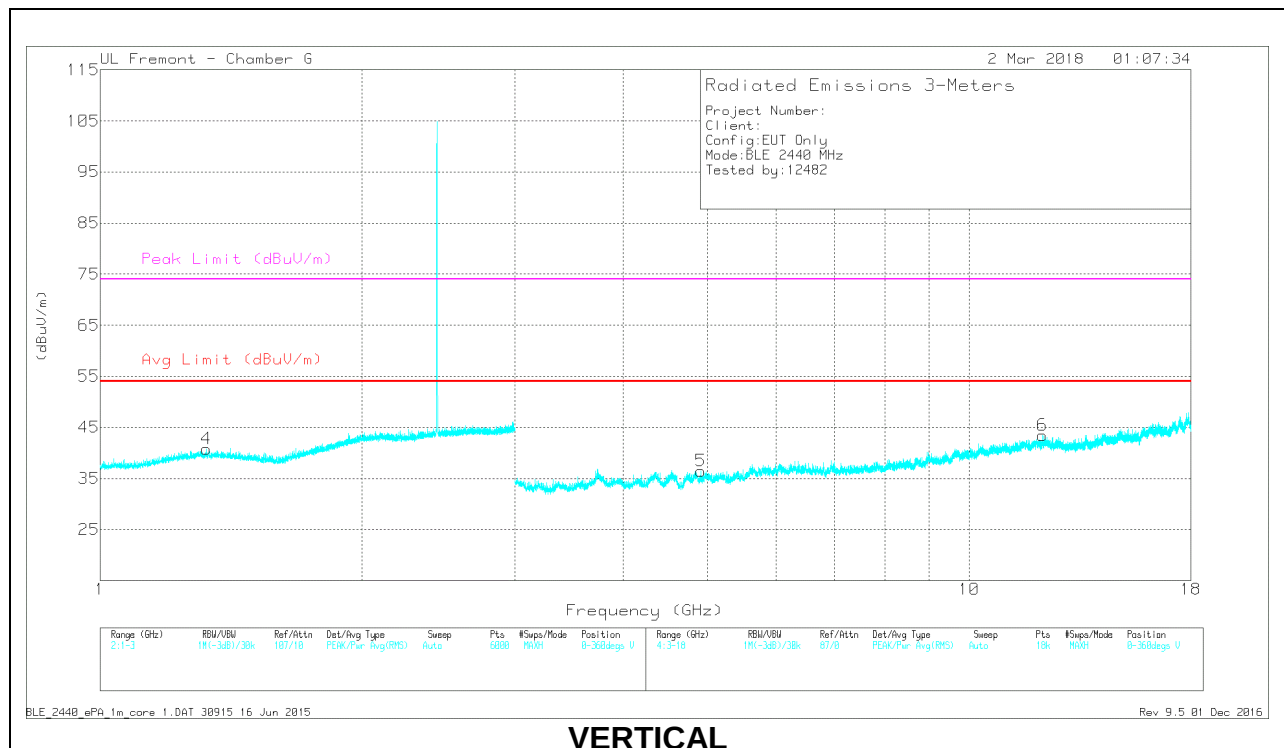
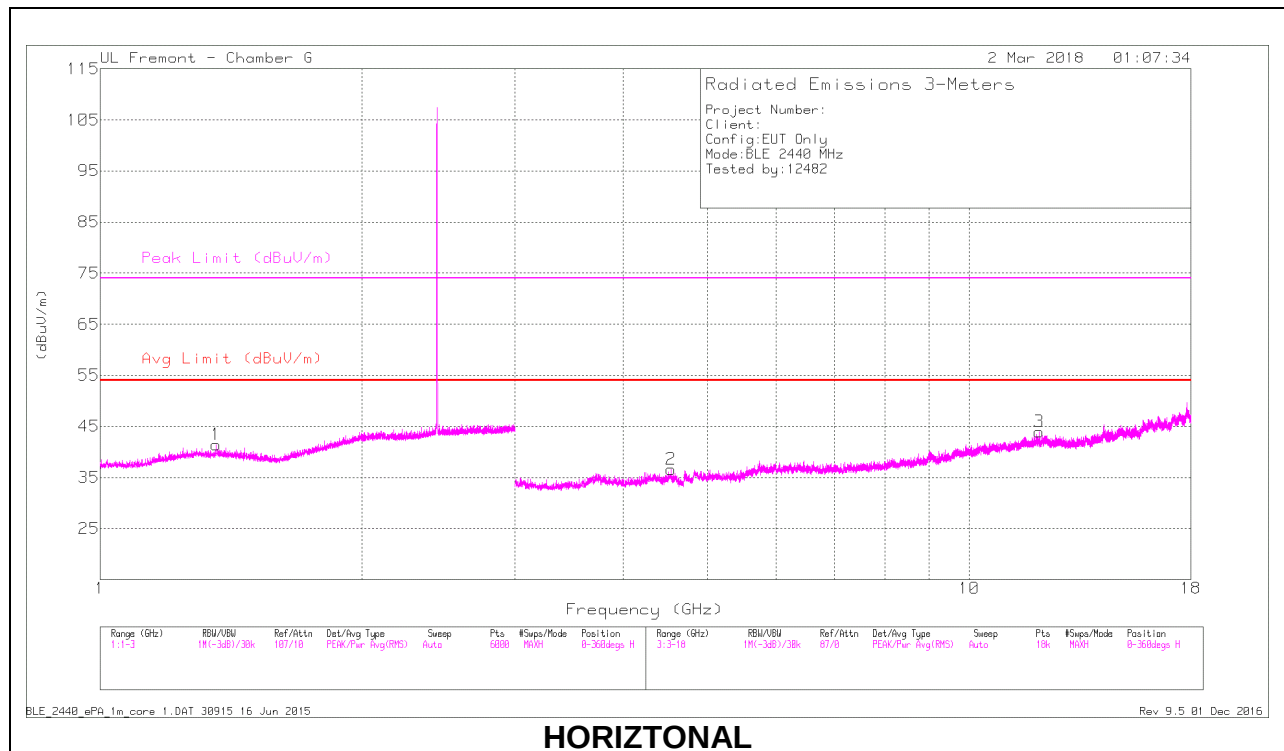
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.505	43.54	PK2	28	-25.1	46.44	-	-	74	-27.56	319	300	H
	* 1.504	31.27	MAv1	28	-25.1	34.17	54	-19.83	-	-	319	300	H
4	* 1.691	43.15	PK2	28.6	-24.9	46.85	-	-	74	-27.15	49	197	V
	* 1.692	31.28	MAv1	28.6	-24.9	34.98	54	-19.02	-	-	49	197	V
2	* 4.857	40.67	PK2	34.1	-32.2	42.57	-	-	74	-31.43	275	182	H
	* 4.853	28.9	MAv1	34.1	-32.2	30.8	54	-23.2	-	-	275	182	H
3	* 10.607	36.74	PK2	37.9	-26.1	48.54	-	-	74	-25.46	133	180	H
	* 10.608	25.34	MAv1	37.9	-26.1	37.14	54	-16.86	-	-	133	180	H
5	* 3.645	40.4	PK2	33.2	-32	41.6	-	-	74	-32.4	144	160	V
	* 3.642	28.55	MAv1	33.2	-32.1	29.65	54	-24.35	-	-	144	160	V
6	* 12.215	36.34	PK2	38.7	-24.9	50.14	-	-	74	-23.86	233	143	V
	* 12.217	24.55	MAv1	38.7	-24.9	38.35	54	-15.65	-	-	233	143	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

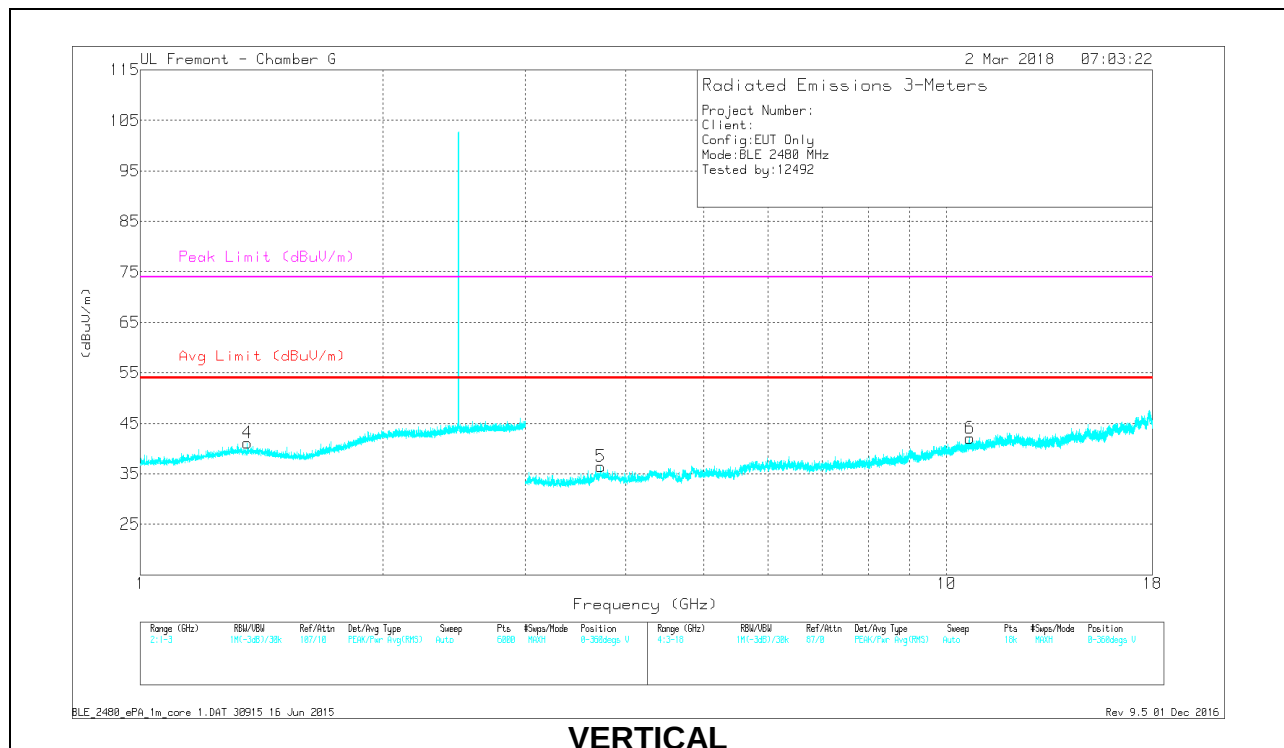
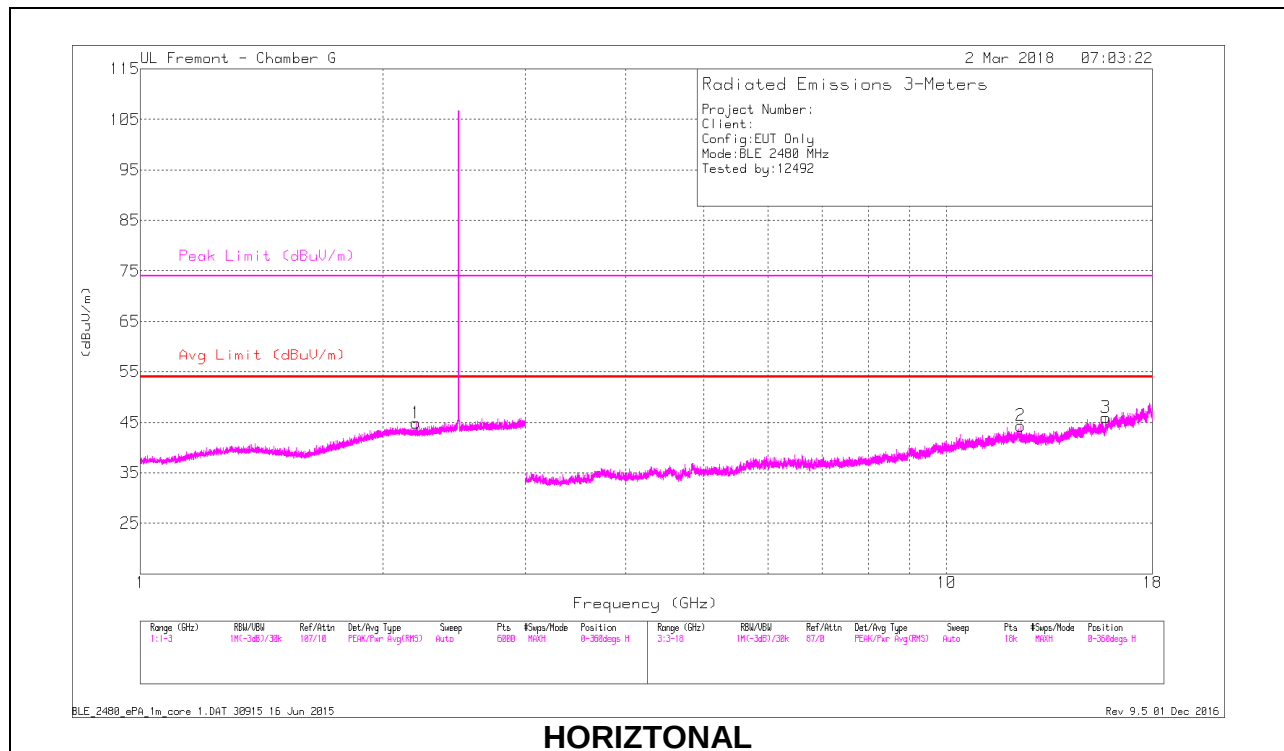
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.358	44.44	PK2	28.8	-25.4	47.84	-	-	74	-26.16	78	317	H
	* 1.357	32.11	MAv1	28.8	-25.4	35.51	54	-18.49	-	-	78	317	H
4	* 1.325	44.09	PK2	28.8	-25.5	47.39	-	-	74	-26.61	128	315	V
	* 1.324	32.09	MAv1	28.8	-25.5	35.39	54	-18.61	-	-	128	315	V
2	* 4.539	41.31	PK2	34.2	-32.3	43.21	-	-	74	-30.79	180	203	H
	* 4.539	29.09	MAv1	34.2	-32.3	30.99	54	-23.01	-	-	180	203	H
3	* 12.038	36.83	PK2	38.7	-25.3	50.23	-	-	74	-23.77	85	385	H
	* 12.038	25.66	MAv1	38.7	-25.3	39.06	54	-14.94	-	-	85	385	H
5	* 4.915	40.89	PK2	34.1	-32.1	42.89	-	-	74	-31.11	88	316	V
	* 4.916	29.73	MAv1	34.1	-32.1	31.73	54	-22.27	-	-	88	316	V
6	* 12.146	37.15	PK2	38.7	-25.5	50.35	-	-	74	-23.65	360	165	V
	* 12.144	25.07	MAv1	38.7	-25.6	38.17	54	-15.83	-	-	360	165	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	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T345 (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	* 1.356	43.98	PK2	28.8	-25.4	47.38	-	-	74	-26.62	91	271	V
	* 1.356	32.08	MAv1	28.8	-25.4	35.48	54	-18.52	-	-	91	271	V
2	* 12.344	36.82	PK2	38.7	-26	49.52	-	-	74	-24.48	306	137	H
	* 12.343	25.26	MAv1	38.7	-26	37.96	54	-16.04	-	-	306	137	H
3	* 15.741	37.23	PK2	40.9	-26.7	51.43	-	-	74	-22.57	4	372	H
	* 15.743	25.6	MAv1	40.9	-26.7	39.8	54	-14.2	-	-	4	372	H
5	* 3.723	40.46	PK2	33.3	-31.2	42.56	-	-	74	-31.44	151	294	V
	* 3.724	29.04	MAv1	33.3	-31.2	31.14	54	-22.86	-	-	151	294	V
6	* 10.679	37.51	PK2	38	-26.2	49.31	-	-	74	-24.69	33	212	V
	* 10.676	25.35	MAv1	38	-26.1	37.25	54	-16.75	-	-	33	212	V
1	2.198	43.29	PK2	31.6	-24.5	50.39	-	-	-	-	79	282	H

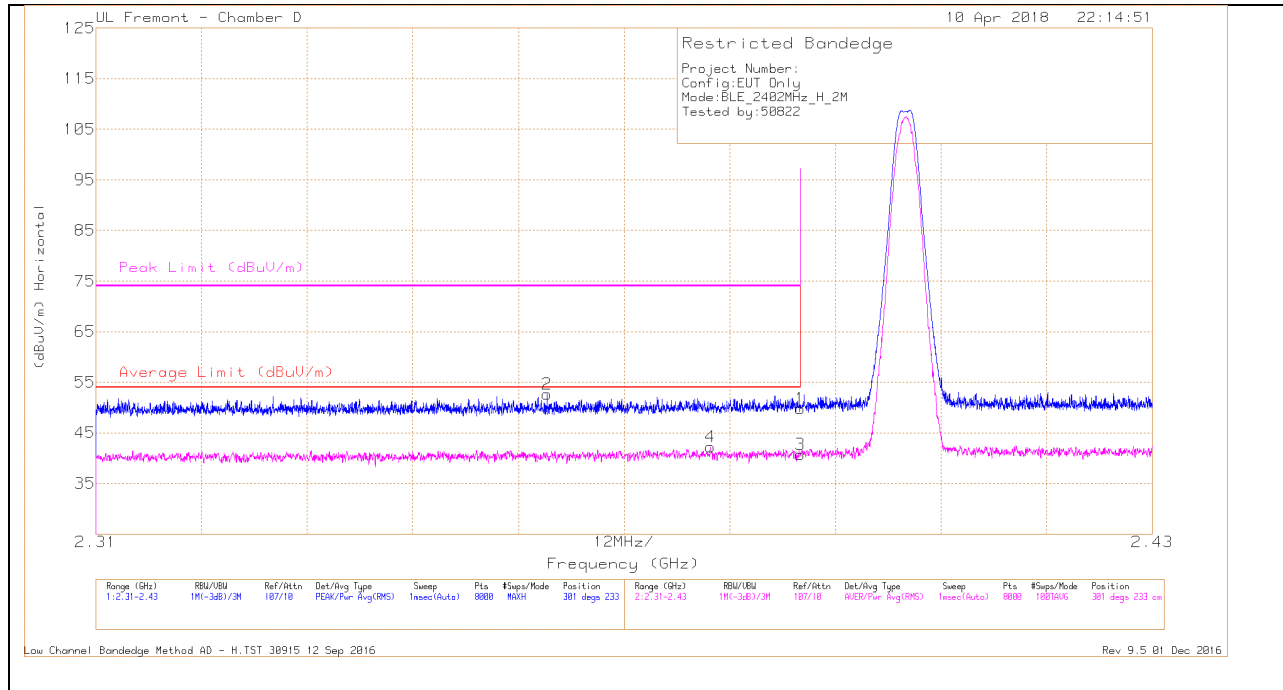
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK2 - KDB558074 Method: Maximum Peak
MAv1 - KDB558074 Option 1 Maximum RMS Average

9.2.2. HIGH POWER BLE (2Mbps)

ANTENNA 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



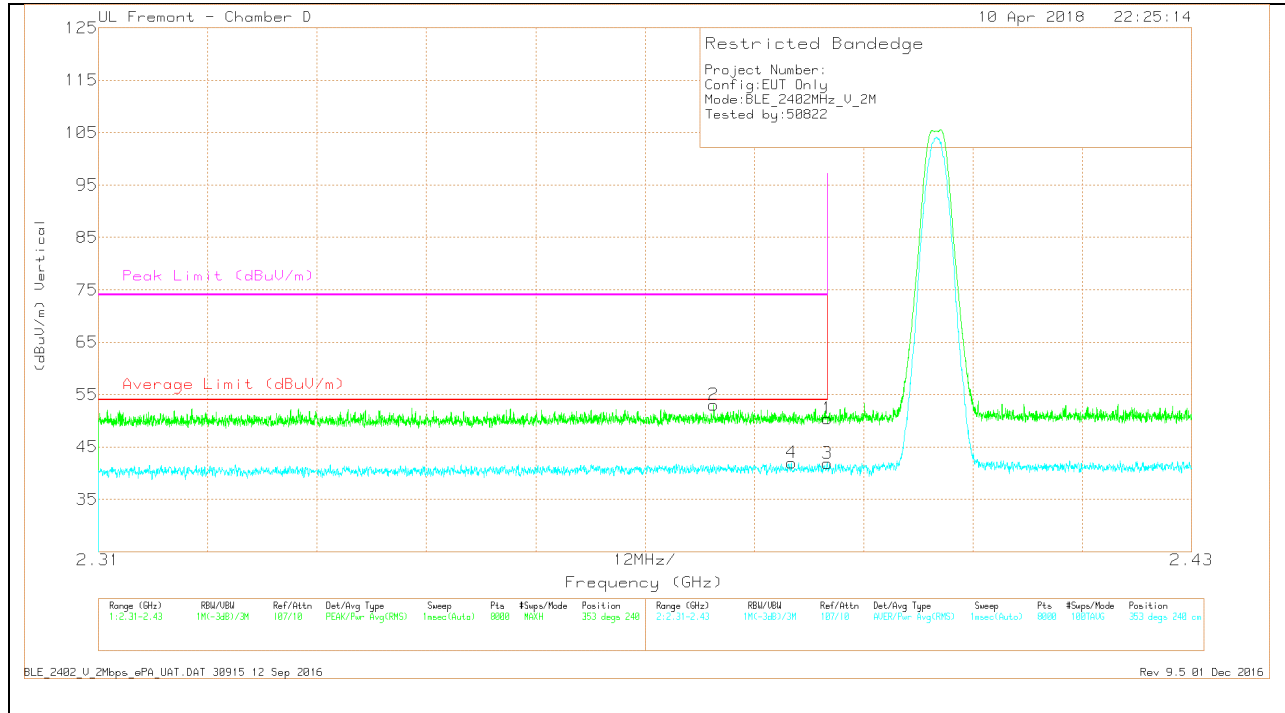
Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	38.4	Pk	31.9	-20.5	49.8	-	-	74	-24.2	301	233	H
2	* 2.361	41.57	Pk	31.7	-20.6	52.67	-	-	74	-21.33	301	233	H
3	* 2.39	29.32	RMS	31.9	-20.5	40.72	54	-13.28	-	-	301	233	H
4	* 2.38	30.8	RMS	31.8	-20.4	42.2	54	-11.8	-	-	301	233	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.378	41.65	Pk	31.8	-20.4	53.05	-	-	74	-20.95	353	240	V
4	* 2.386	30.58	RMS	31.9	-20.5	41.98	54	-12.02	-	-	353	240	V
1	* 2.39	39.07	Pk	31.9	-20.5	50.47	-	-	74	-23.53	353	240	V
3	* 2.39	30.42	RMS	31.9	-20.5	41.82	54	-12.18	-	-	353	240	V

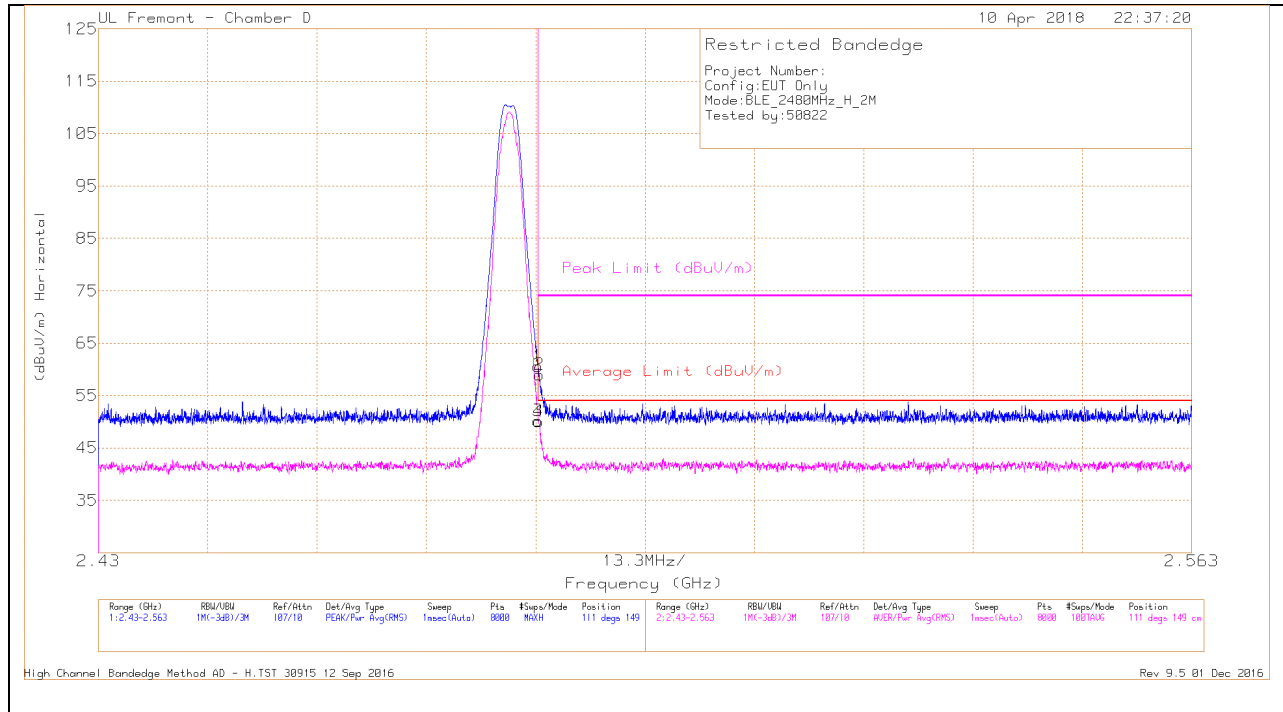
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



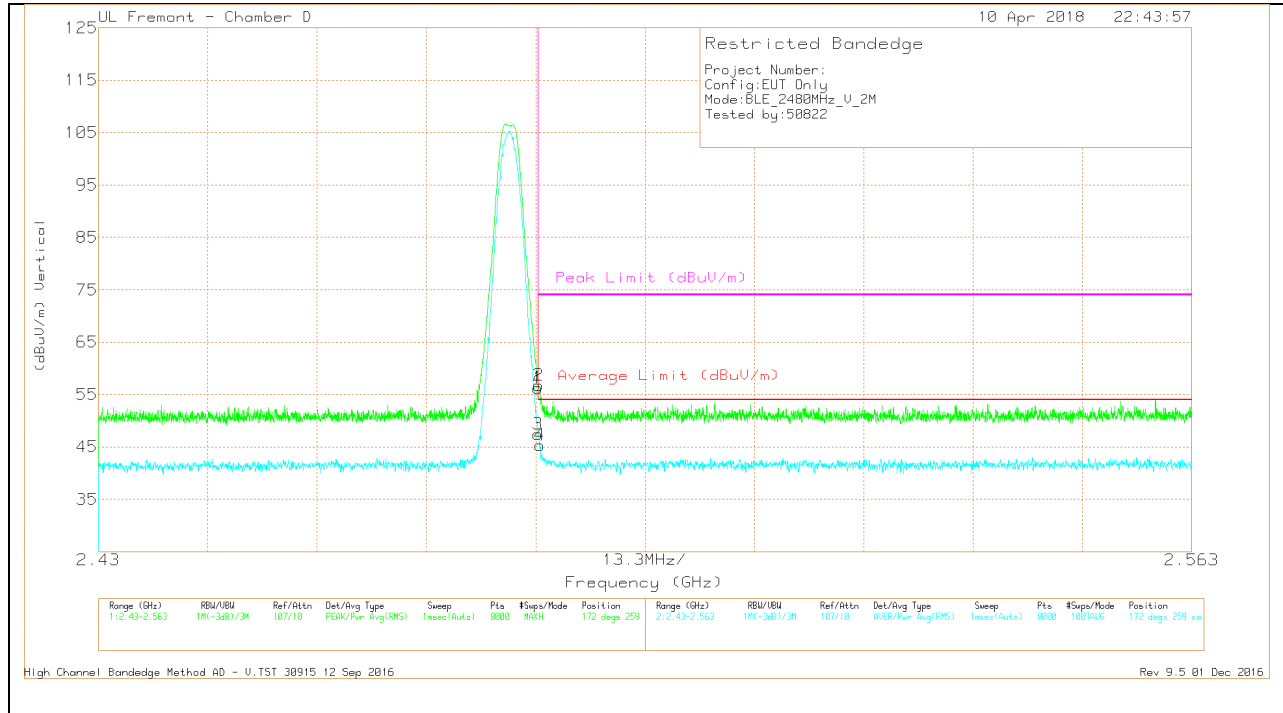
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	48.55	Pk	32.4	-20.4	60.55	-	-	74	-13.45	111	149	H
2	* 2.484	47.04	Pk	32.4	-20.5	58.94	-	-	74	-15.06	111	149	H
3	* 2.484	38.21	RMS	32.4	-20.4	50.21	54	-3.79	-	-	111	149	H
4	* 2.484	38.09	RMS	32.4	-20.5	49.99	54	-4.01	-	-	111	149	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	44.27	Pk	32.4	-20.4	56.27	-	-	74	-17.73	172	259	V
2	* 2.484	44.87	Pk	32.4	-20.5	56.77	-	-	74	-17.23	172	259	V
3	* 2.484	35.48	RMS	32.4	-20.4	47.48	54	-6.52	-	-	172	259	V
4	* 2.484	33.39	RMS	32.4	-20.5	45.29	54	-8.71	-	-	172	259	V

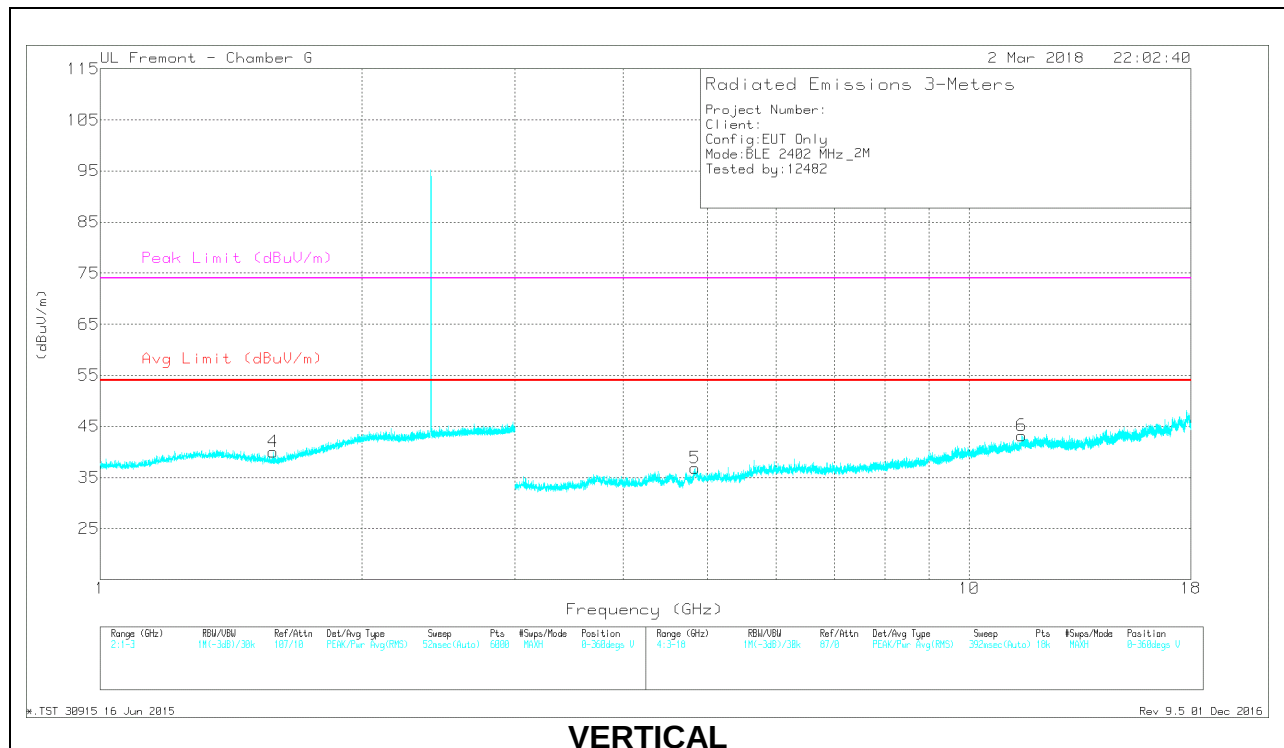
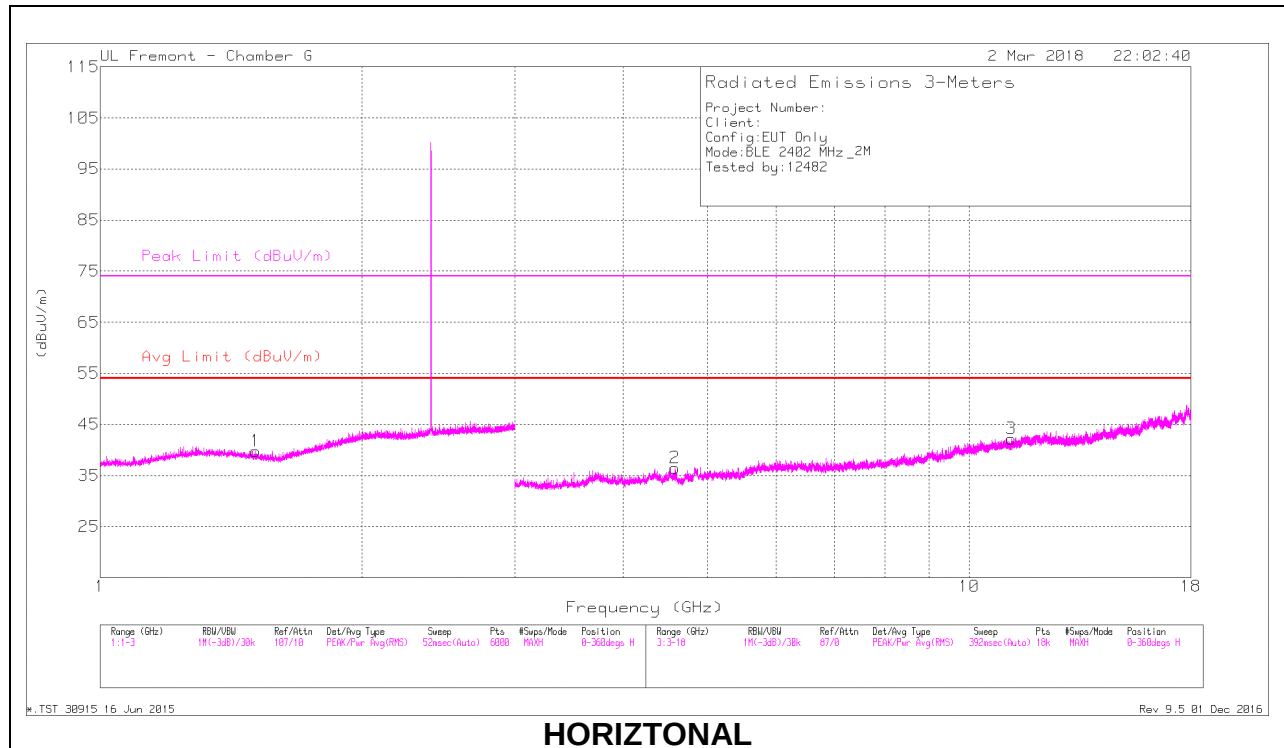
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

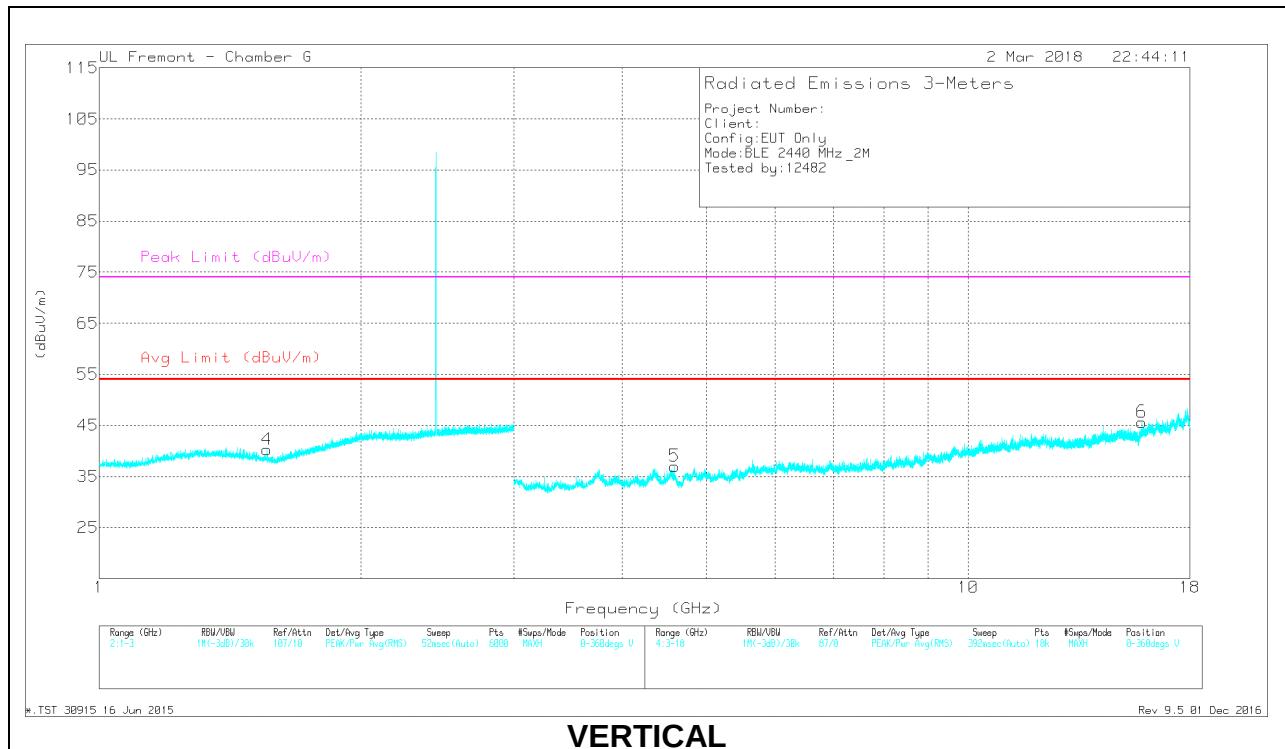
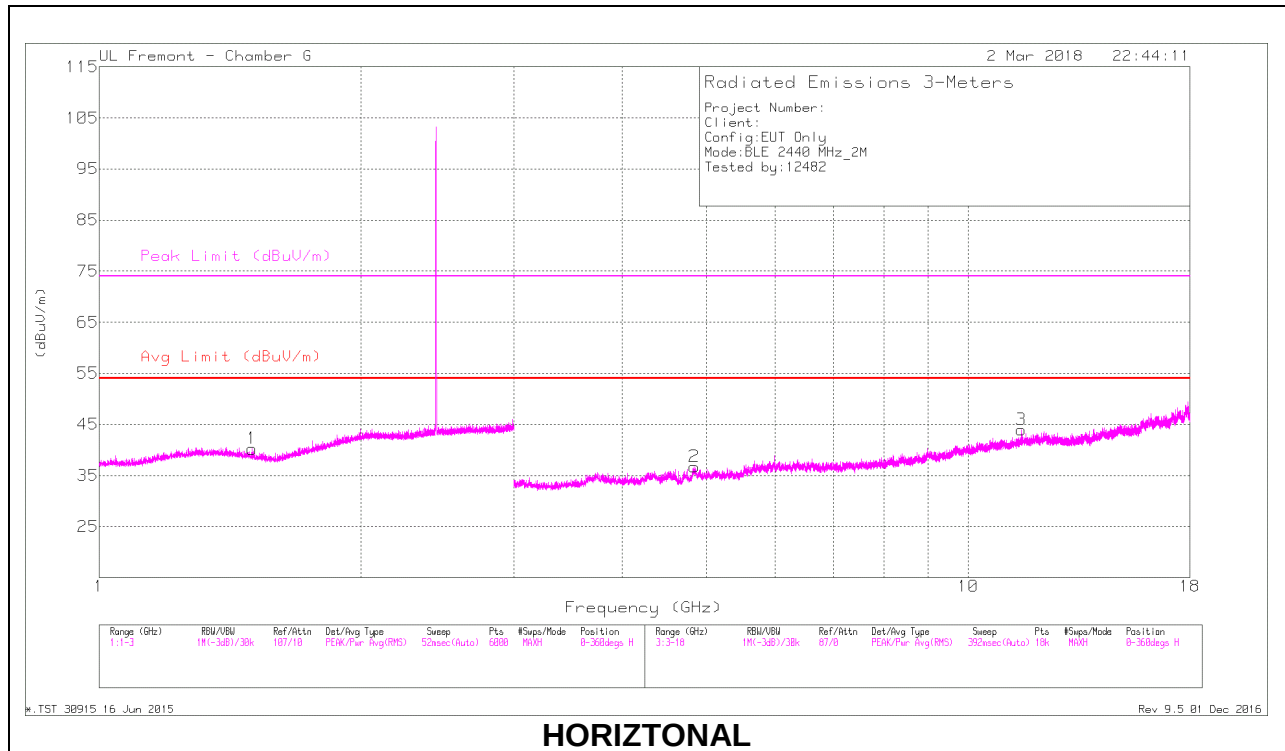
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.508	43.9	PK2	28	-25.1	46.8	-	-	74	-27.2	71	311	H
	* 1.507	31.71	MAv1	28	-25.1	34.61	54	-19.39	-	-	71	311	H
4	* 1.582	43.83	PK2	27.5	-25	46.33	-	-	74	-27.67	69	397	V
	* 1.582	31.82	MAv1	27.5	-25	34.32	54	-19.68	-	-	69	397	V
2	* 4.588	40.09	PK2	34.2	-32.2	42.09	-	-	74	-31.91	22	104	H
	* 4.59	28.77	MAv1	34.2	-32.2	30.77	54	-23.23	-	-	22	104	H
3	* 11.19	36.56	PK2	38.1	-26.1	48.56	-	-	74	-25.44	200	337	H
	* 11.191	24.96	MAv1	38.1	-26.1	36.96	54	-17.04	-	-	200	337	H
5	* 4.836	41.66	PK2	34.1	-32.2	43.56	-	-	74	-30.44	257	326	V
	* 4.836	29.94	MAv1	34.1	-32.2	31.84	54	-22.16	-	-	257	326	V
6	* 11.496	36.82	PK2	38.4	-25.8	49.42	-	-	74	-24.58	170	209	V
	* 11.494	25.04	MAv1	38.4	-25.8	37.64	54	-16.36	-	-	170	209	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

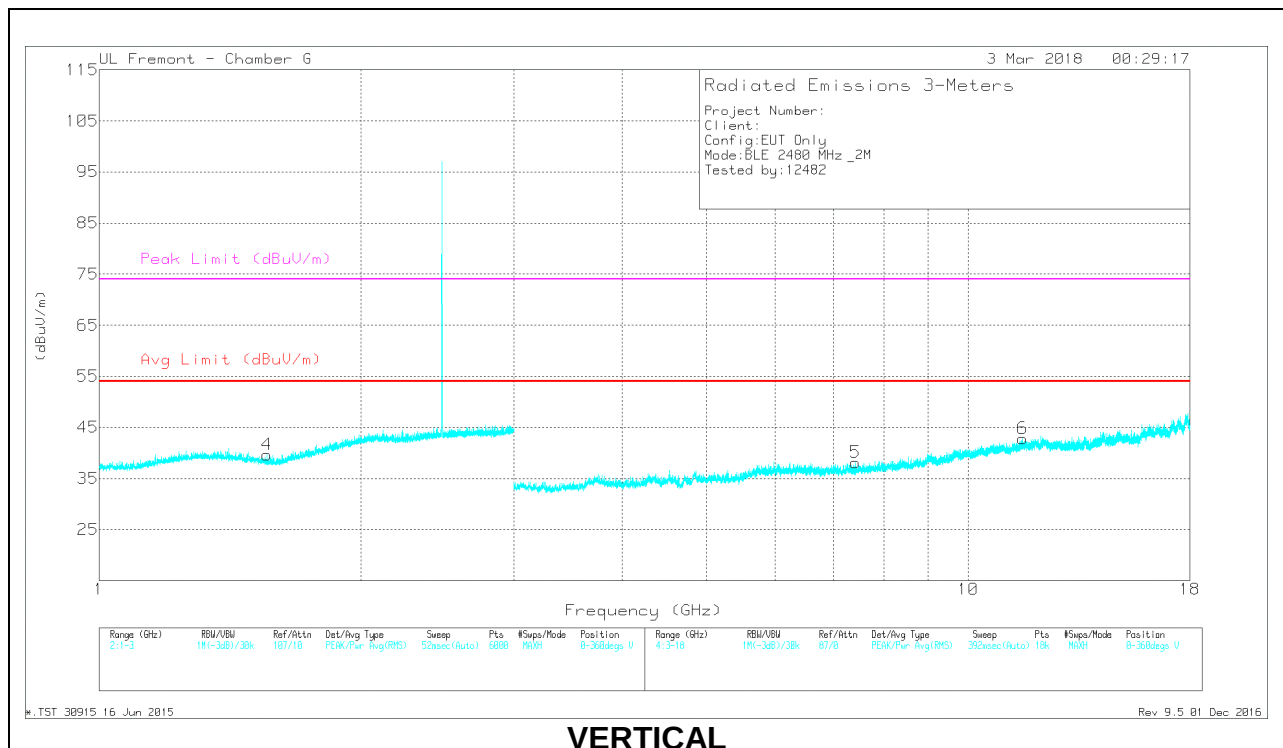
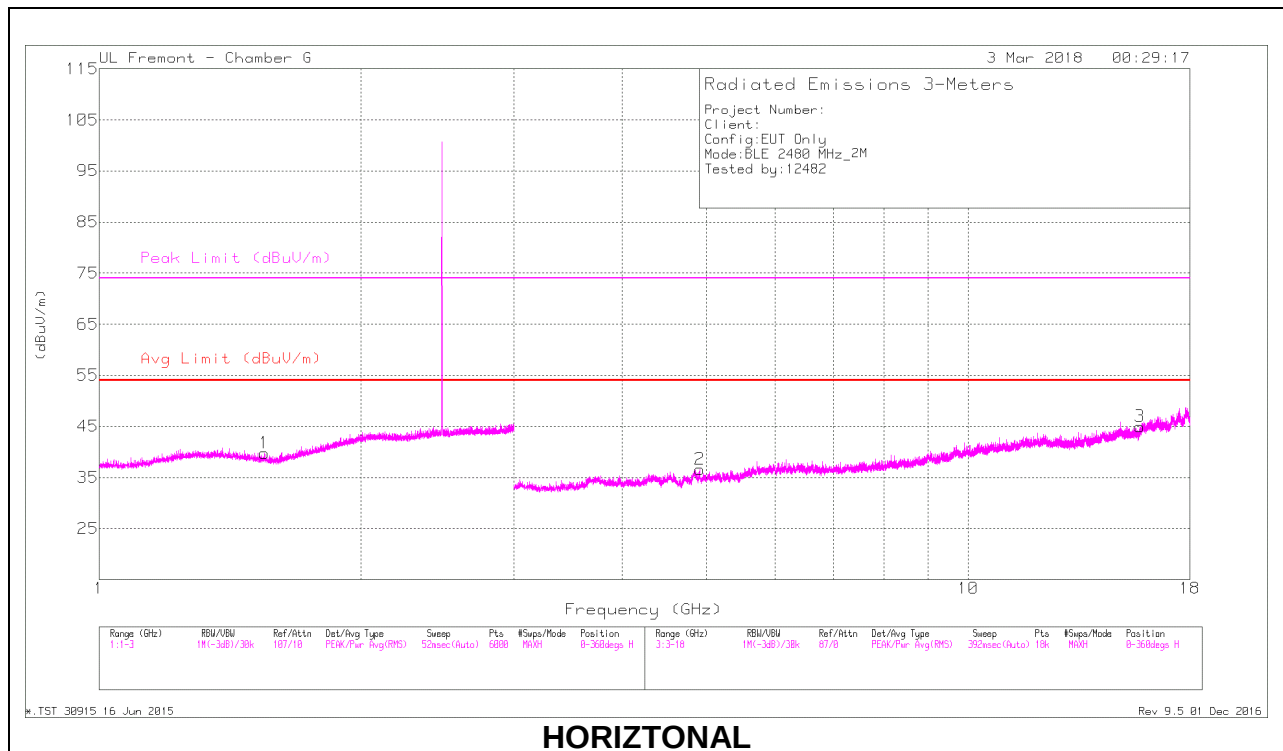
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.496	43.36	PK2	28	-25.1	46.26	-	-	74	-27.74	287	313	H
	* 1.499	31.78	MAv1	28	-25.1	34.68	54	-19.32	-	-	287	313	H
4	* 1.562	43.17	PK2	27.7	-25	45.87	-	-	74	-28.13	46	181	V
	* 1.562	31.4	MAv1	27.7	-25	34.1	54	-19.9	-	-	46	181	V
2	* 4.841	42.36	PK2	34.1	-32.2	44.26	-	-	74	-29.74	55	384	H
	* 4.842	30.51	MAv1	34.1	-32.2	32.41	54	-21.59	-	-	55	384	H
3	* 11.51	36.63	PK2	38.4	-25.6	49.43	-	-	74	-24.57	94	264	H
	* 11.509	25.09	MAv1	38.4	-25.6	37.89	54	-16.11	-	-	94	264	H
5	* 4.594	41.05	PK2	34.2	-32.2	43.05	-	-	74	-30.95	121	252	V
	* 4.592	29.01	MAv1	34.2	-32.2	31.01	54	-22.99	-	-	121	252	V
6	* 15.861	36.55	PK2	41.8	-26.4	51.95	-	-	74	-22.05	79	207	V
	* 15.86	24.74	MAv1	41.8	-26.3	40.24	54	-13.76	-	-	79	207	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	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.549	43.44	PK2	27.7	-25	46.14	-	-	74	-27.86	167	372	H
	* 1.551	31.57	MAv1	27.7	-25	34.27	54	-19.73	-	-	167	372	H
4	* 1.558	44.15	PK2	27.7	-25	46.85	-	-	74	-27.15	303	139	V
	* 1.558	31.75	MAv1	27.7	-25	34.45	54	-19.55	-	-	303	139	V
2	* 4.916	40.04	PK2	34.1	-32.1	42.04	-	-	74	-31.96	217	288	H
	* 4.916	28.59	MAv1	34.1	-32.1	30.59	54	-23.41	-	-	217	288	H
3	* 15.765	36.98	PK2	41.1	-26.7	51.38	-	-	74	-22.62	344	144	H
	* 15.766	25.59	MAv1	41.1	-26.7	39.99	54	-14.01	-	-	344	144	H
5	* 7.423	39.29	PK2	35.6	-30.8	44.09	-	-	74	-29.91	341	321	V
	* 7.424	27.75	MAv1	35.6	-30.8	32.55	54	-21.45	-	-	341	321	V
6	* 11.564	36.31	PK2	38.5	-25.3	49.51	-	-	74	-24.49	277	355	V
	* 11.564	24.58	MAv1	38.5	-25.3	37.78	54	-16.22	-	-	277	355	V

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

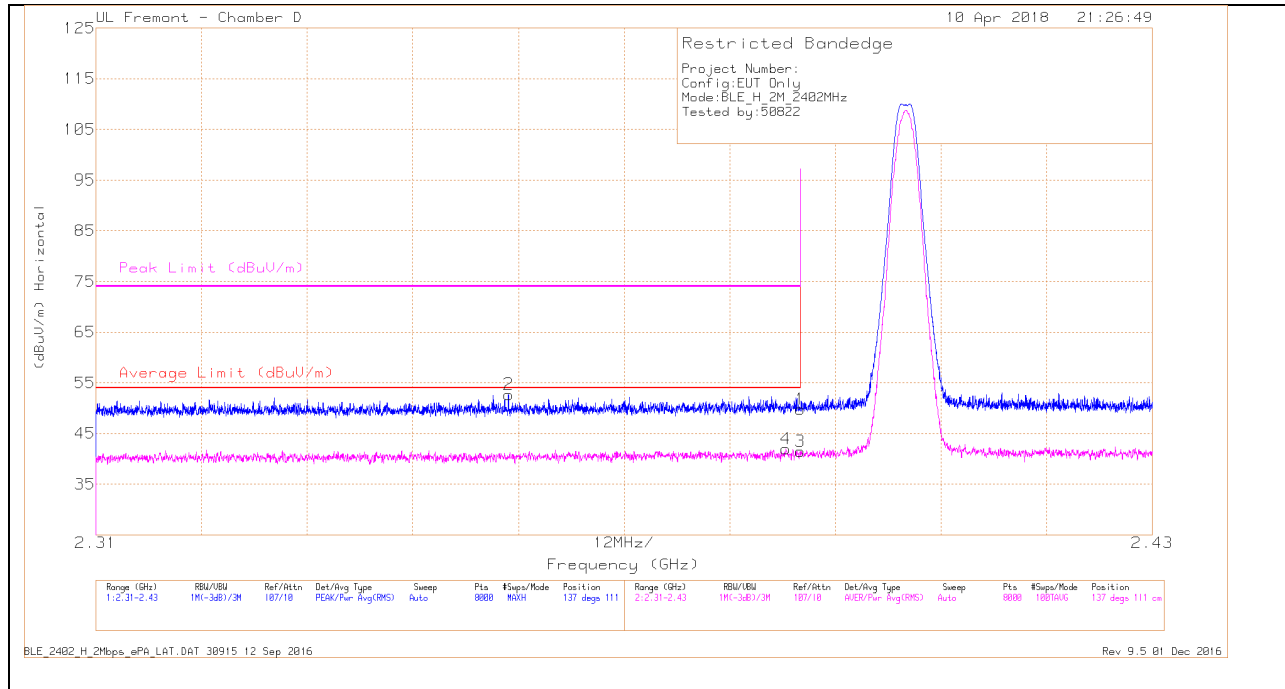
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

ANTENNA 3

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



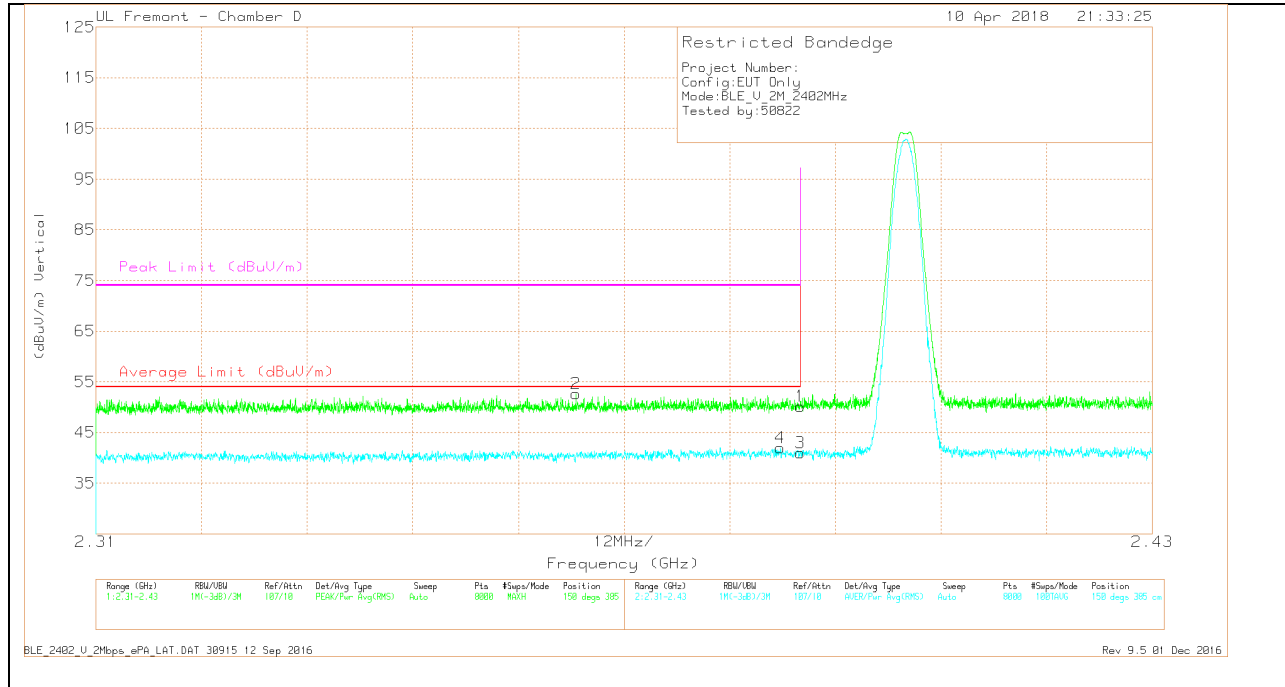
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.357	41.61	Pk	31.7	-20.6	52.71	-	-	74	-21.29	137	111	H
4	* 2.388	30.6	RMS	31.9	-20.5	42	54	-12	-	-	137	111	H
1	* 2.39	38.44	Pk	31.9	-20.5	49.84	-	-	74	-24.16	137	111	H
3	* 2.39	30.07	RMS	31.9	-20.5	41.47	54	-12.53	-	-	137	111	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	38.75	Pk	31.9	-20.5	50.15	-	-	74	-23.85	150	385	V
2	* 2.365	41.4	Pk	31.7	-20.5	52.6	-	-	74	-21.4	150	385	V
3	* 2.39	29.6	RMS	31.9	-20.5	41	54	-13	-	-	150	385	V
4	* 2.388	30.57	RMS	31.9	-20.5	41.97	54	-12.03	-	-	150	385	V

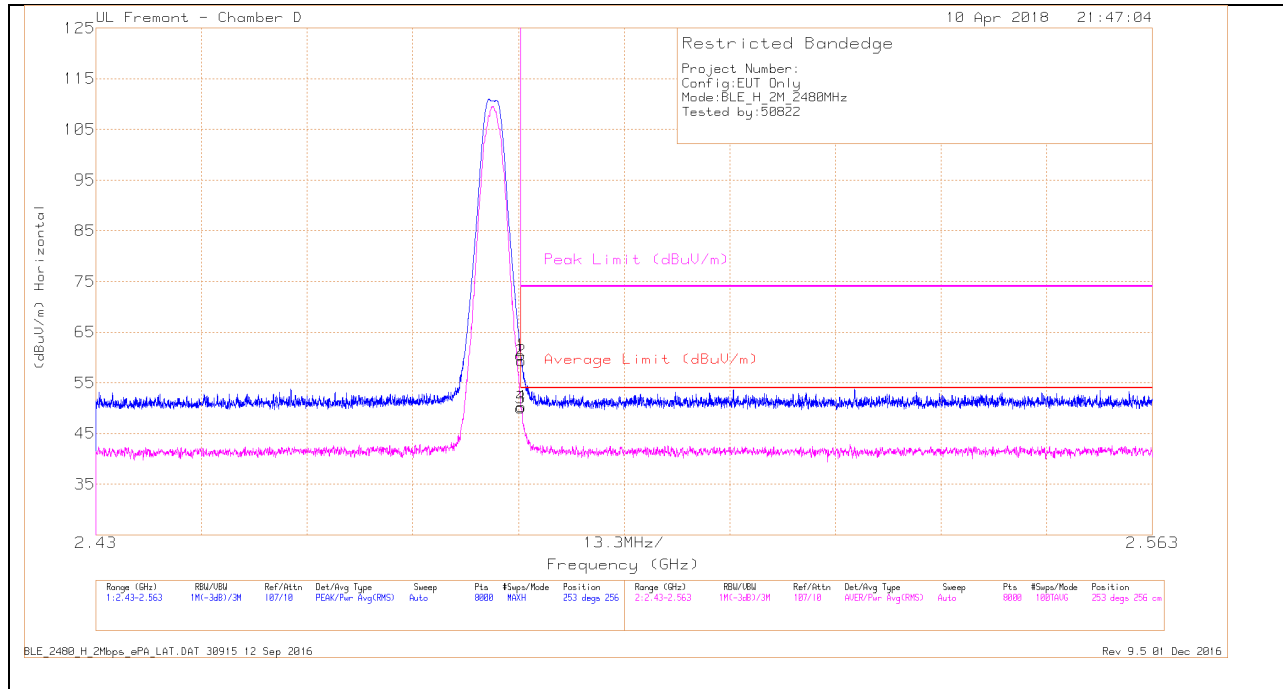
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



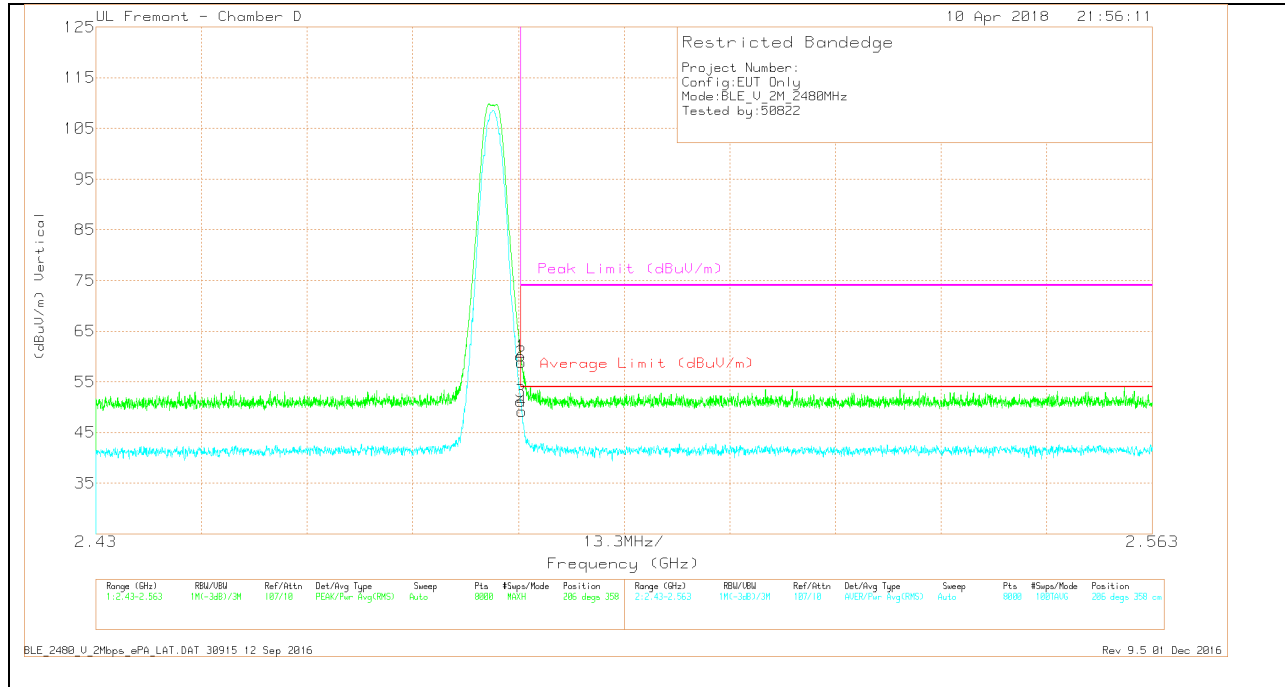
Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	48.43	Pk	32.4	-20.4	60.43	-	-	74	-13.57	253	256	H
2	* 2.484	47.5	Pk	32.4	-20.5	59.4	-	-	74	-14.6	253	256	H
3	* 2.484	38.1	RMS	32.4	-20.4	50.1	54	-3.9	-	-	253	256	H
4	* 2.484	38.35	RMS	32.4	-20.5	50.25	54	-3.75	-	-	253	256	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	48.05	Pk	32.4	-20.4	60.05	-	-	74	-13.95	206	358	V
2	* 2.484	46.95	Pk	32.4	-20.5	58.85	-	-	74	-15.15	206	358	V
3	* 2.484	39.22	RMS	32.4	-20.4	51.22	54	-2.78	-	-	206	358	V
4	* 2.484	37.29	RMS	32.4	-20.5	49.19	54	-4.81	-	-	206	358	V

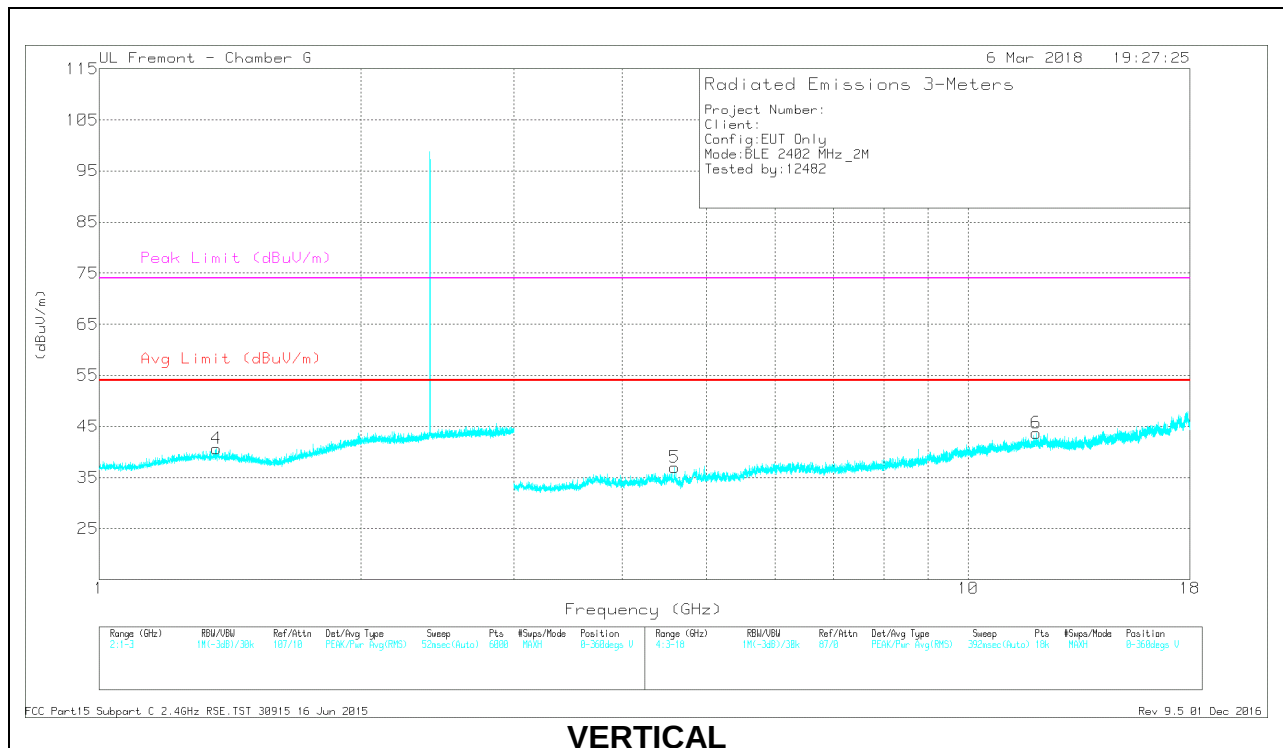
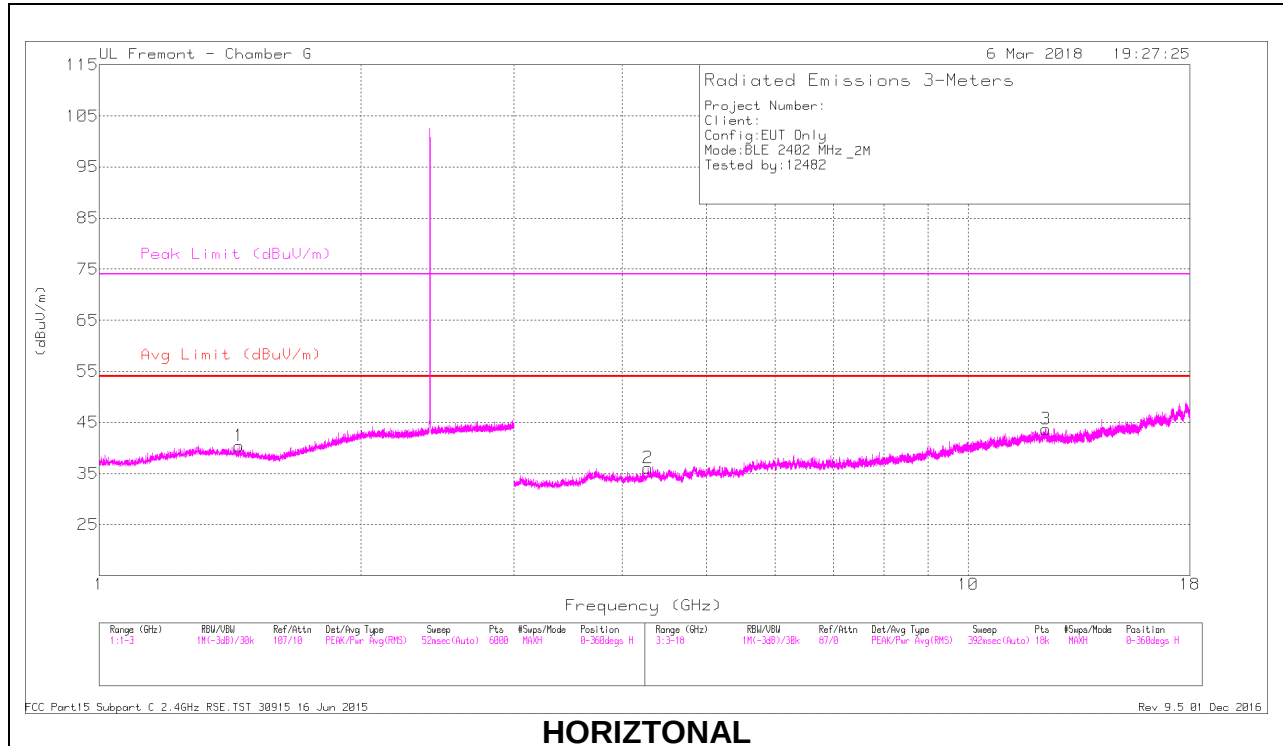
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

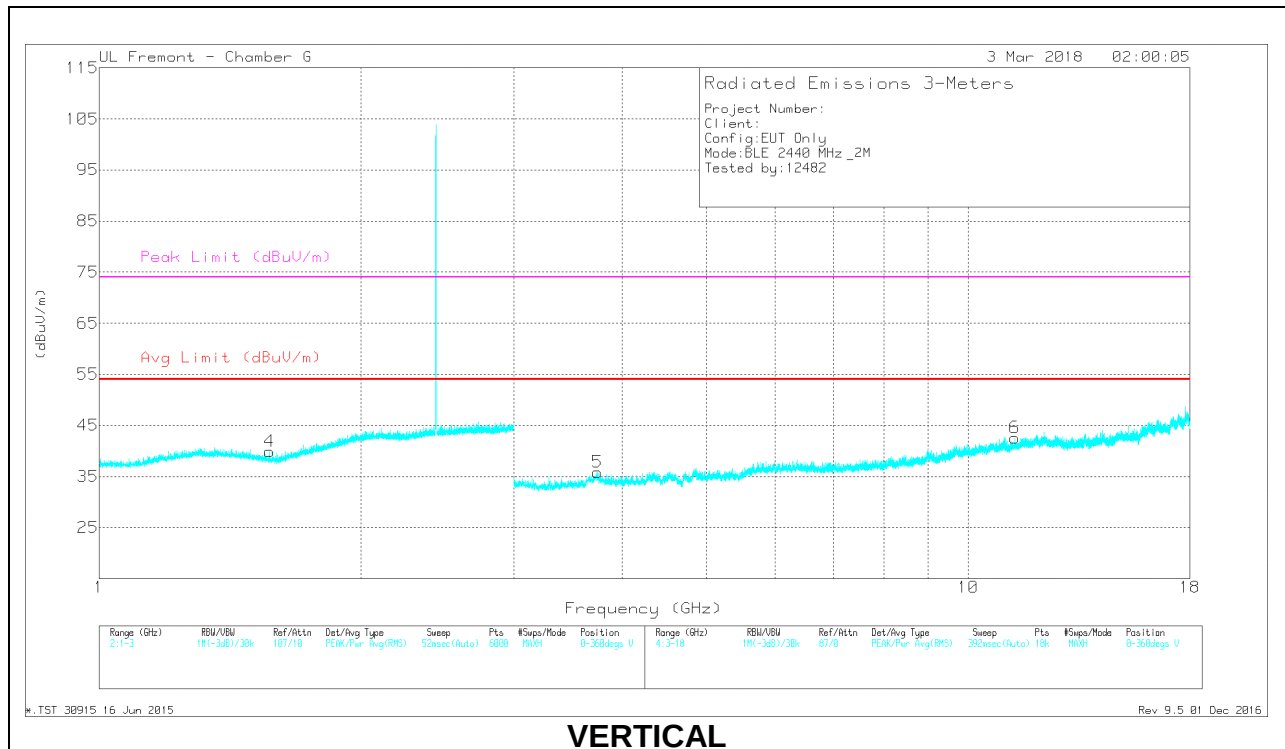
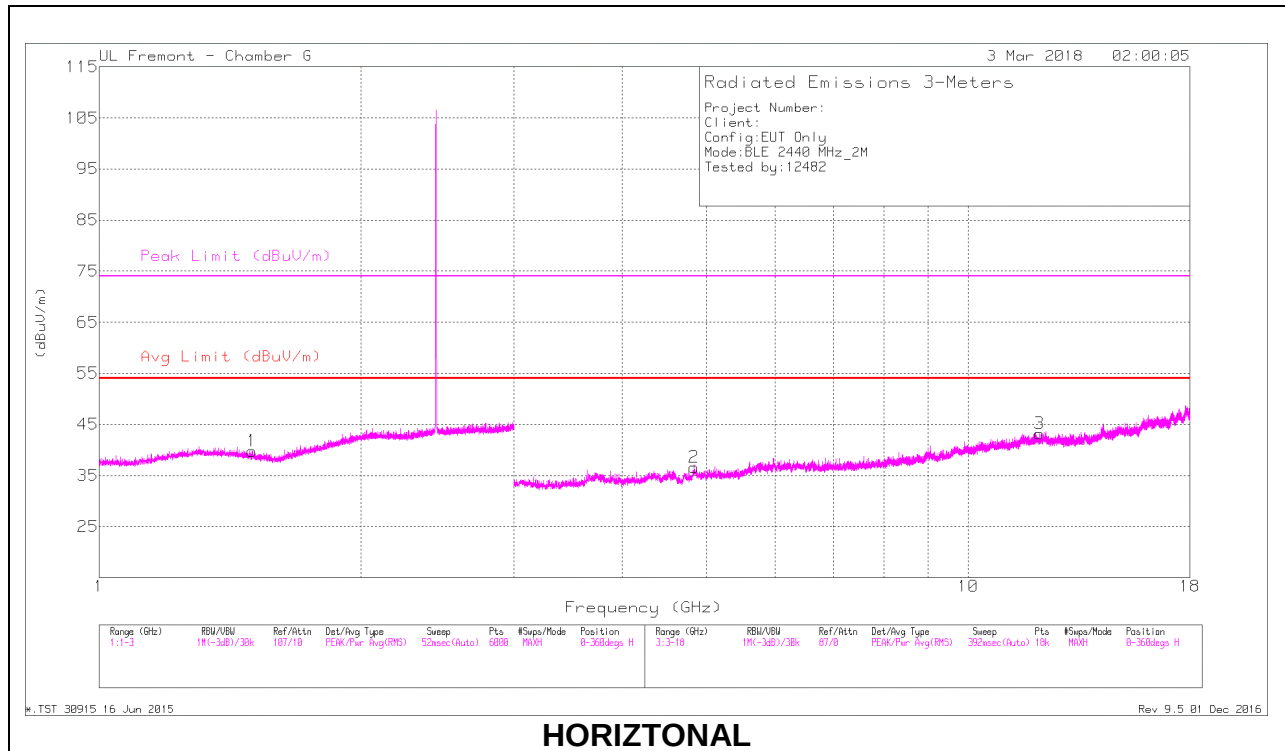
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.451	43.99	PK2	28.4	-25.2	47.19	-	-	74	-26.81	138	154	H
	* 1.452	31.7	MAv1	28.3	-25.2	34.8	54	-19.2	-	-	138	154	H
4	* 1.364	44.06	PK2	28.8	-25.4	47.46	-	-	74	-26.54	356	198	V
	* 1.362	31.89	MAv1	28.8	-25.4	35.29	54	-18.71	-	-	356	198	V
2	* 4.283	40.45	PK2	33.8	-31.7	42.55	-	-	74	-31.45	150	274	H
	* 4.283	28.83	MAv1	33.8	-31.7	30.93	54	-23.07	-	-	150	274	H
3	* 12.287	36.89	PK2	38.7	-25.1	50.49	-	-	74	-23.51	187	367	H
	* 12.287	25.05	MAv1	38.7	-25.1	38.65	54	-15.35	-	-	187	367	H
5	* 4.594	40.29	PK2	34.2	-32.2	42.29	-	-	74	-31.71	247	312	V
	* 4.595	28.89	MAv1	34.2	-32.2	30.89	54	-23.11	-	-	247	312	V
6	* 11.973	35.84	PK2	38.7	-24.8	49.74	-	-	74	-24.26	15	375	V
	* 11.97	24.28	MAv1	38.7	-24.8	38.18	54	-15.82	-	-	15	375	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

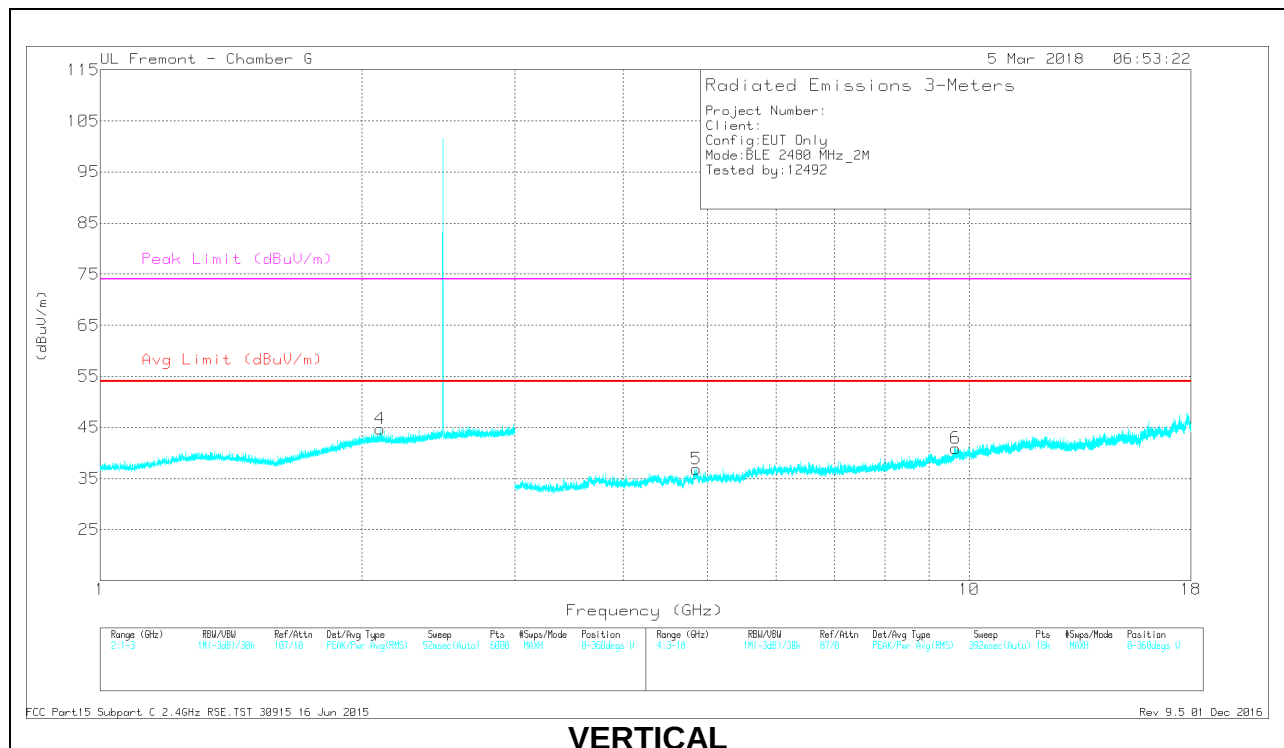
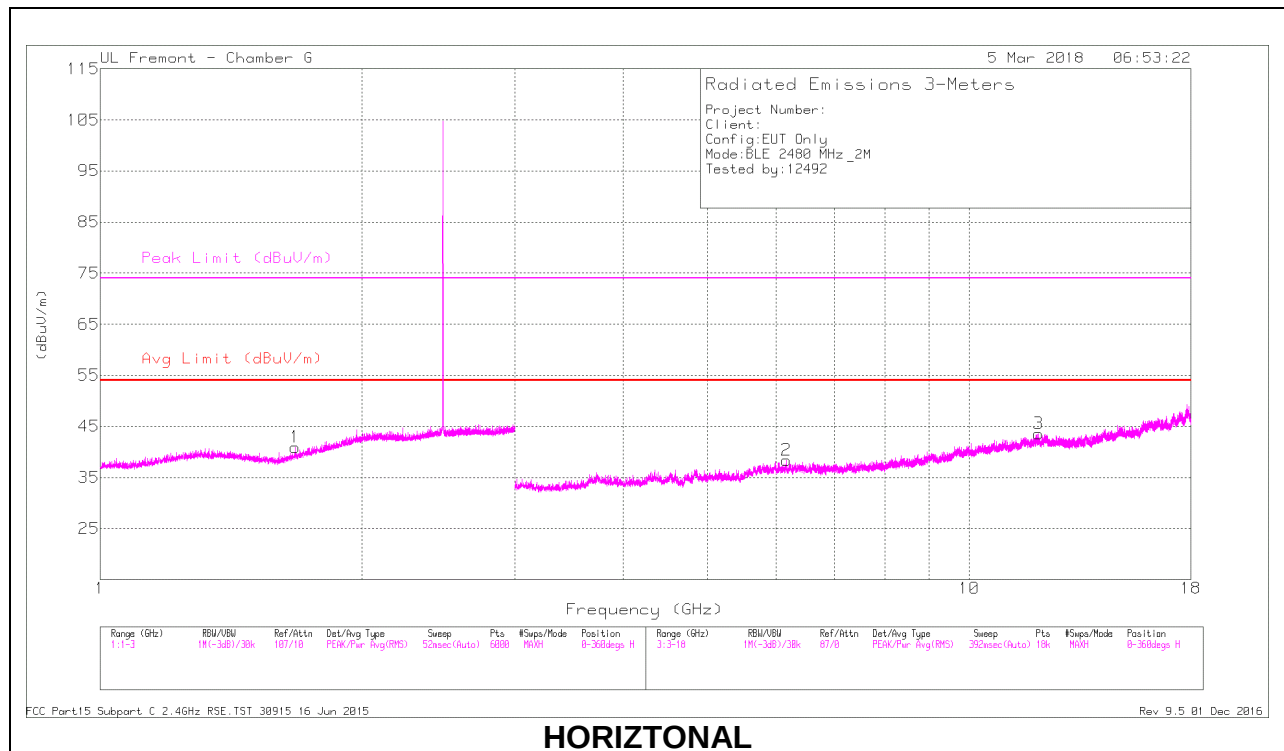
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.498	43.95	PK2	28	-25.1	46.85	-	-	74	-27.15	270	317	H
	* 1.501	31.7	MAv1	28	-25.1	34.6	54	-19.4	-	-	270	317	H
4	* 1.568	43.4	PK2	27.6	-25	46	-	-	74	-28	259	115	V
	* 1.57	31.59	MAv1	27.6	-25	34.19	54	-19.81	-	-	259	115	V
2	* 4.834	42.05	PK2	34.1	-32.2	43.95	-	-	74	-30.05	325	318	H
	* 4.837	31.08	MAv1	34.1	-32.2	32.98	54	-21.02	-	-	325	318	H
3	* 12.075	36.77	PK2	38.6	-26	49.37	-	-	74	-24.63	102	213	H
	* 12.076	25.95	MAv1	38.6	-26	38.55	54	-15.45	-	-	102	213	H
5	* 3.742	41.98	PK2	33.3	-31.2	44.08	-	-	74	-29.92	89	306	V
	* 3.743	30	MAv1	33.3	-31.3	32	54	-22	-	-	89	306	V
6	* 11.322	36.21	PK2	38.1	-25.2	49.11	-	-	74	-24.89	78	177	V
	* 11.321	24.45	MAv1	38.1	-25.2	37.35	54	-16.65	-	-	78	177	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	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.675	43.33	PK2	28.4	-24.9	46.83	-	-	74	-27.17	237	305	H
	* 1.675	31.69	MAv1	28.4	-24.9	35.19	54	-18.81	-	-	237	305	H
3	* 12.019	36.32	PK2	38.7	-25.3	49.72	-	-	74	-24.28	123	178	H
	* 12.02	25.01	MAv1	38.7	-25.3	38.41	54	-15.59	-	-	123	178	H
5	* 4.856	41.03	PK2	34.1	-32.2	42.93	-	-	74	-31.07	256	191	V
	* 4.854	29.37	MAv1	34.1	-32.2	31.27	54	-22.73	-	-	256	191	V
4	2.1	43.12	PK2	31.9	-24.5	50.52	-	-	-	-	94	304	V
2	6.164	41.05	PK2	35.5	-31.9	44.65	-	-	-	-	47	388	H
6	9.652	37.68	PK2	37.1	-27	47.78	-	-	-	-	348	214	V

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

PK2 - KDB558074 Method: Maximum Peak

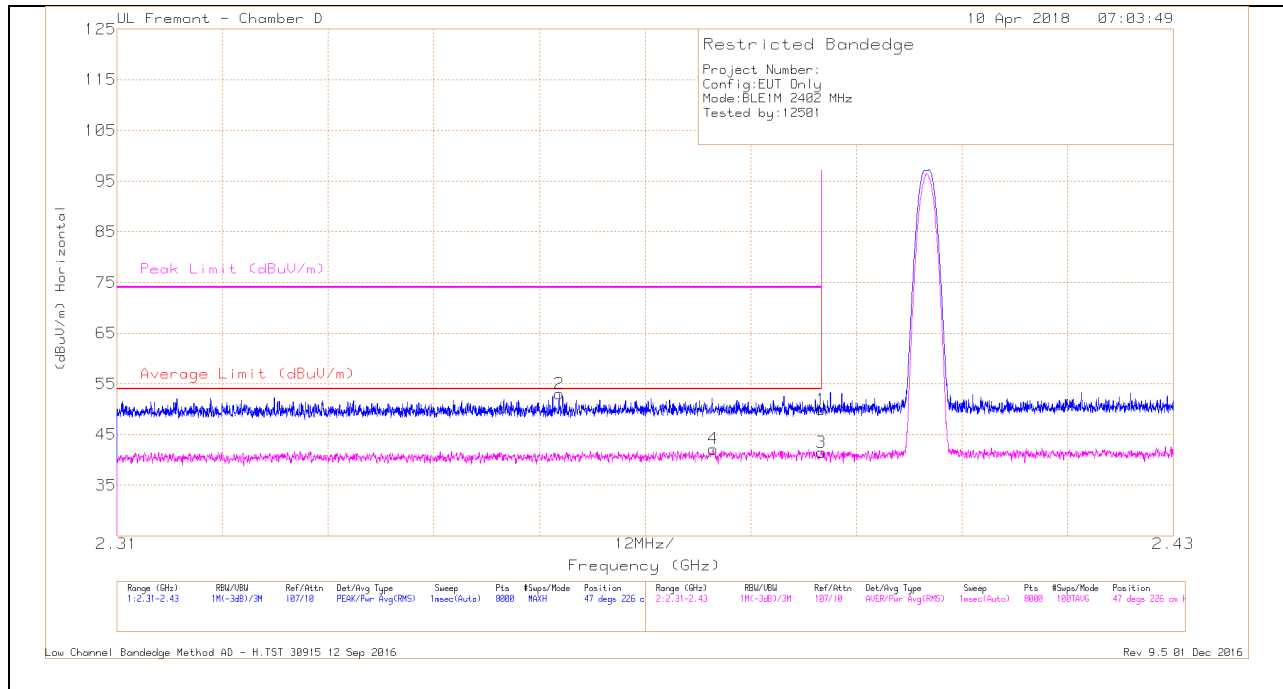
MAv1 - KDB558074 Option 1 Maximum RMS Average

9.2.3. LOW POWER BLE (1Mbps)

ANTENNA 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



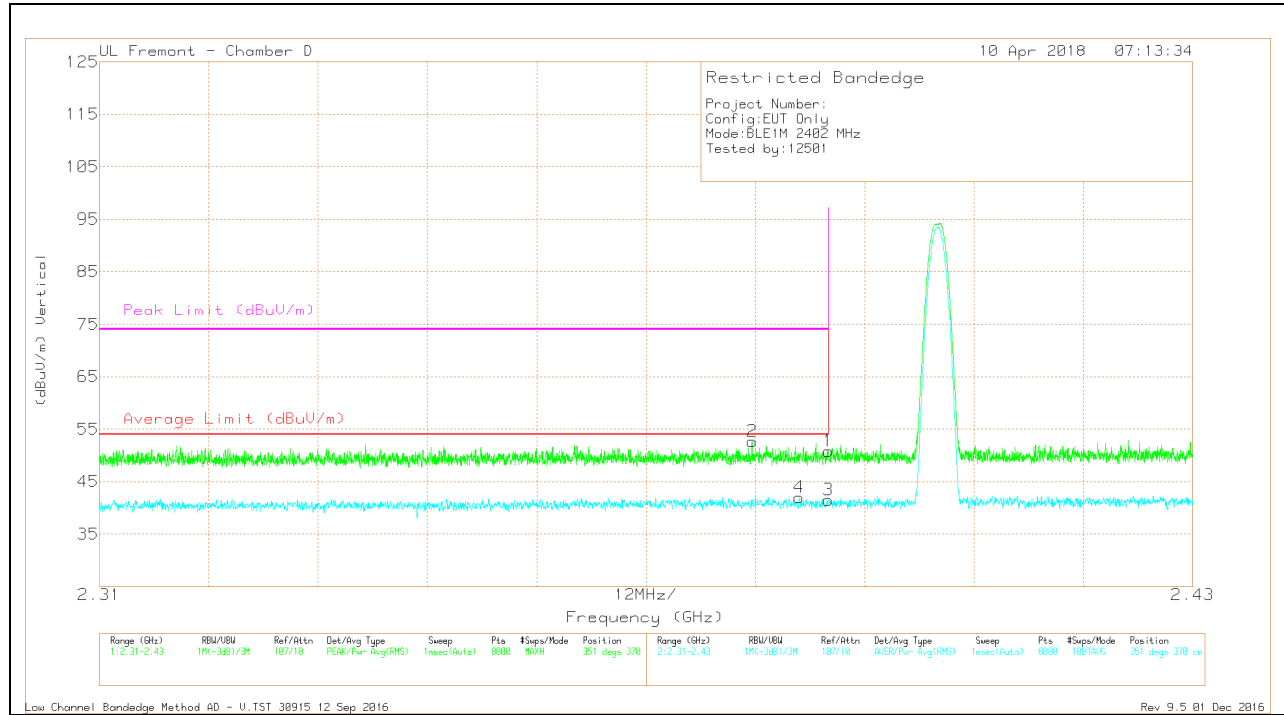
Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl /Ftr/Pa d (dB)	Correcte d Reading (dBuV/ m)	Average Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	38.56	Pk	31.9	-20.5	49.96	-	-	74	-24.04	47	226	H
2	* 2.36	41.87	Pk	31.7	-20.6	52.97	-	-	74	-21.03	47	226	H
3	* 2.39	30.05	RMS	31.9	-20.5	41.45	54	-12.55	-	-	47	226	H
4	* 2.378	30.76	RMS	31.8	-20.4	42.16	54	-11.84	-	-	47	226	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl /Ftr/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	* 2.382	41.31	Pk	31.8	-20.5	52.61	-	-	74	-21.39	351	370	V
4	* 2.387	30.55	RMS	31.9	-20.5	41.95	54	-12.05	-	-	351	370	V
1	* 2.39	39.37	Pk	31.9	-20.5	50.77	-	-	74	-23.23	351	370	V
3	* 2.39	30.04	RMS	31.9	-20.5	41.44	54	-12.56	-	-	351	370	V

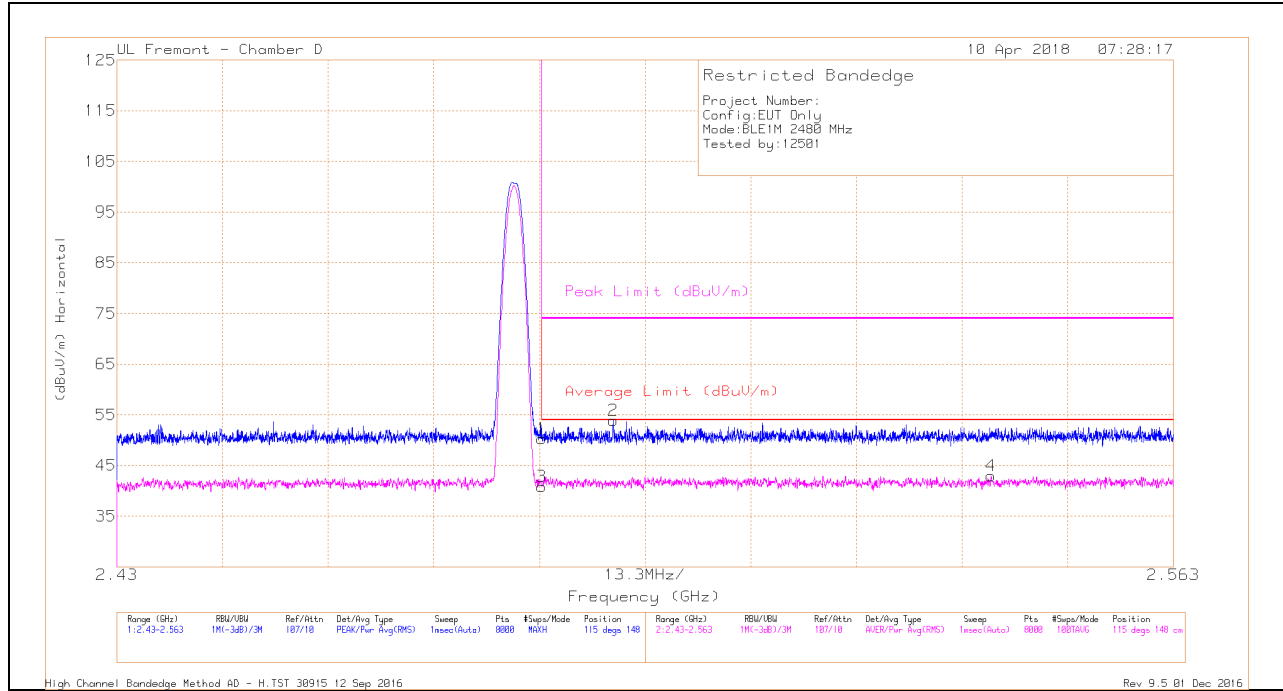
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



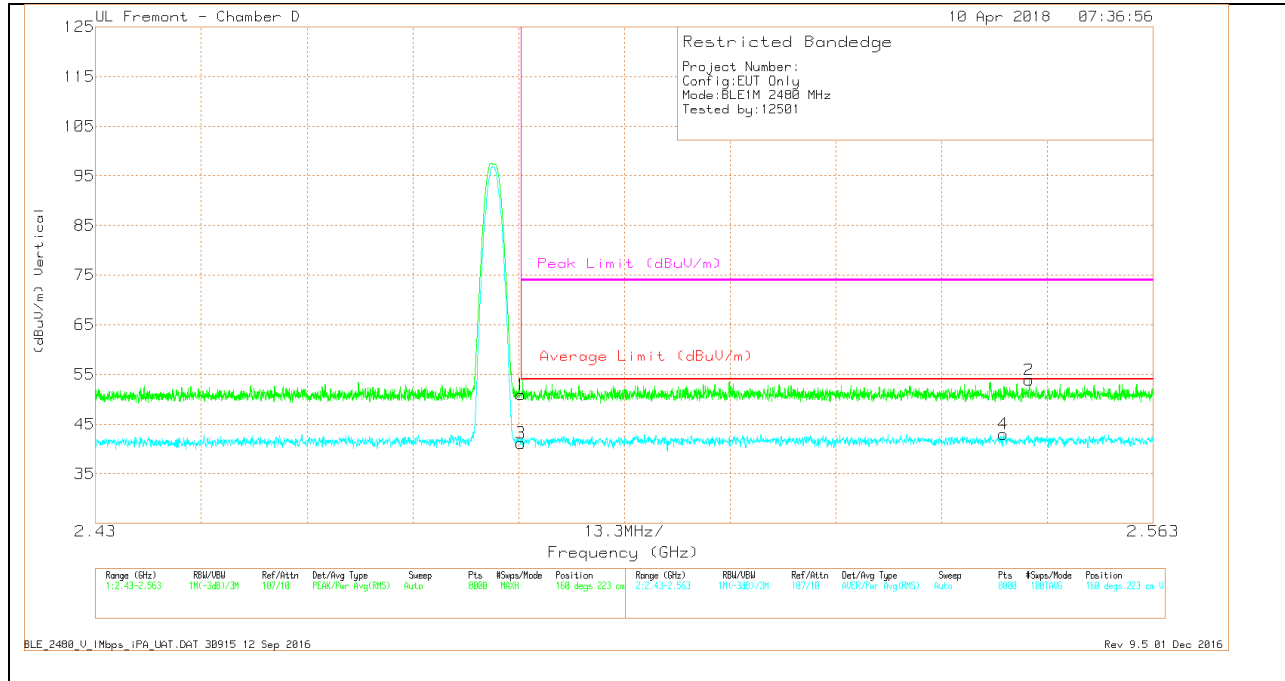
Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl /Fitr/Pad (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	38.34	Pk	32.4	-20.4	50.34	-	-	74	-23.66	115	148	H
2	* 2.492	42.02	Pk	32.4	-20.5	53.92	-	-	74	-20.08	115	148	H
3	* 2.484	28.82	RMS	32.4	-20.4	40.82	54	-13.18	-	-	115	148	H
4	2.54	30.82	RMS	32.4	-20.3	42.92	54	-11.08	-	-	115	148	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	38.92	Pk	32.4	-20.4	50.92	-	-	74	-23.08	160	223	V
3	* 2.484	29.13	RMS	32.4	-20.4	41.13	54	-12.87	-	-	160	223	V
4	2.544	30.87	RMS	32.4	-20.3	42.97	54	-11.03	-	-	160	223	V
2	2.547	41.79	Pk	32.4	-20.3	53.89	-	-	74	-20.11	160	223	V

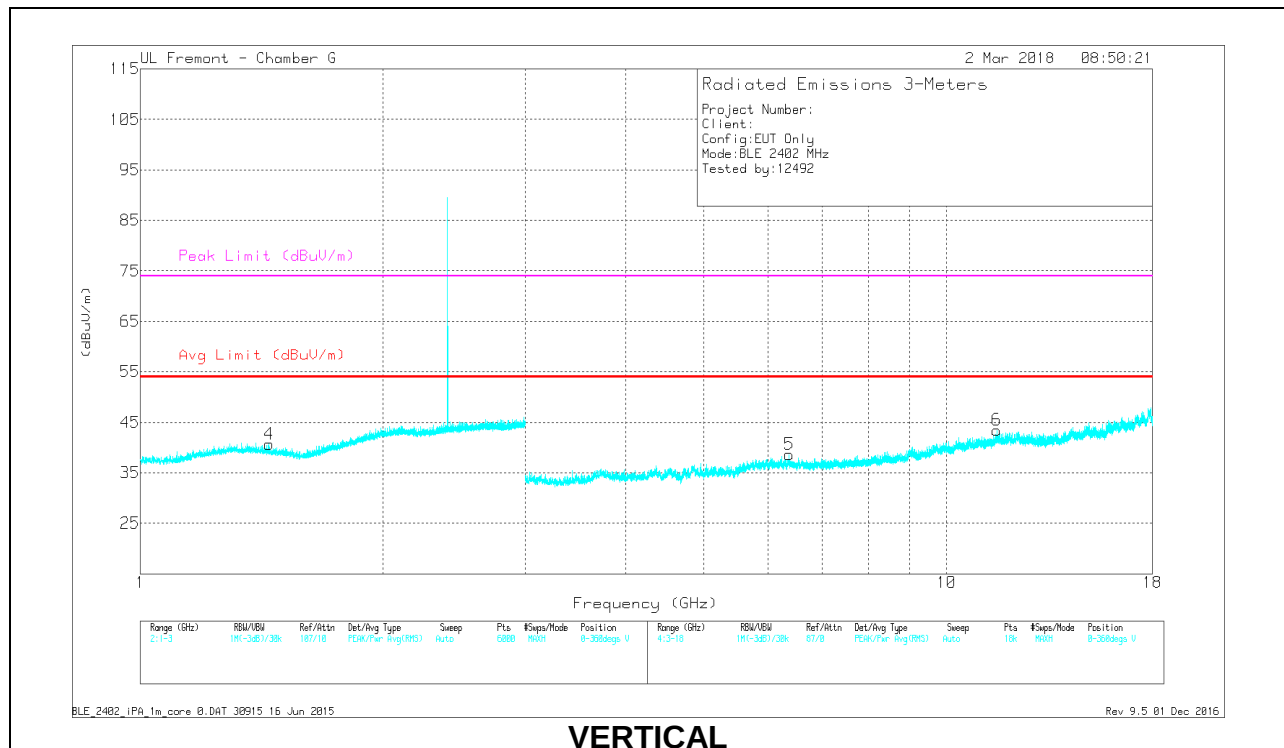
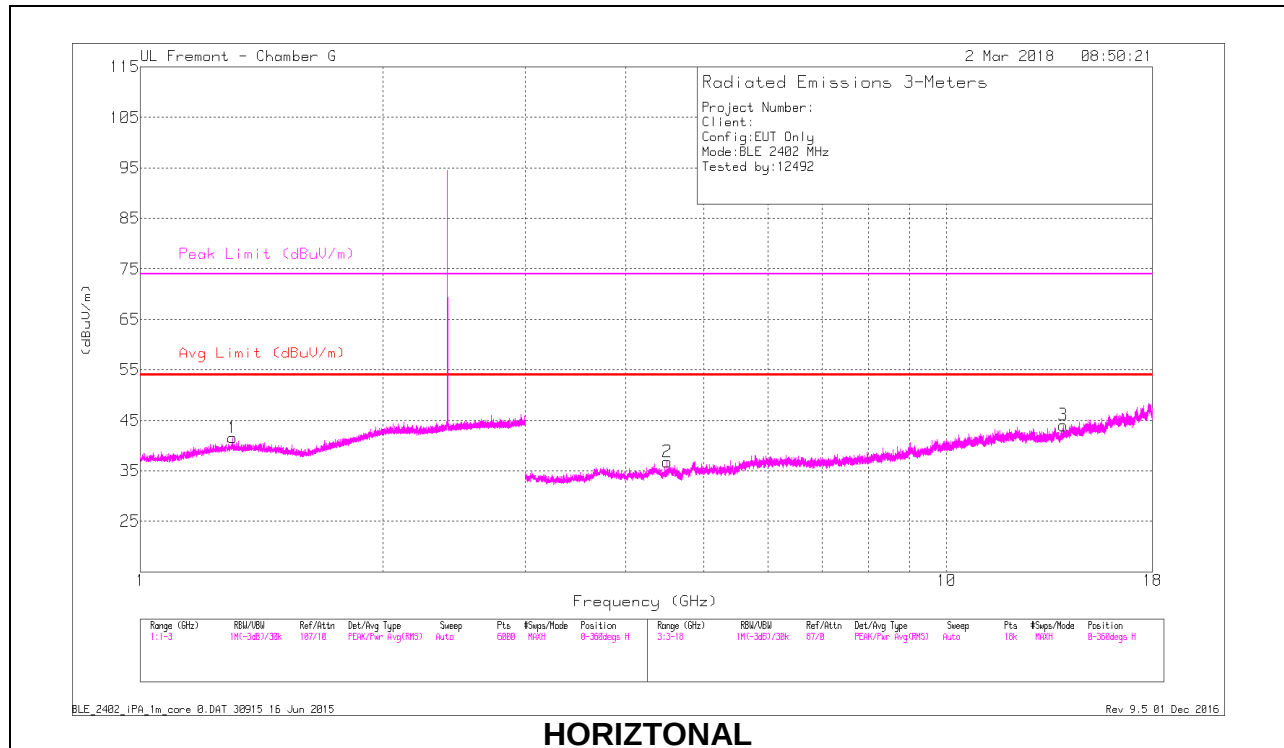
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS

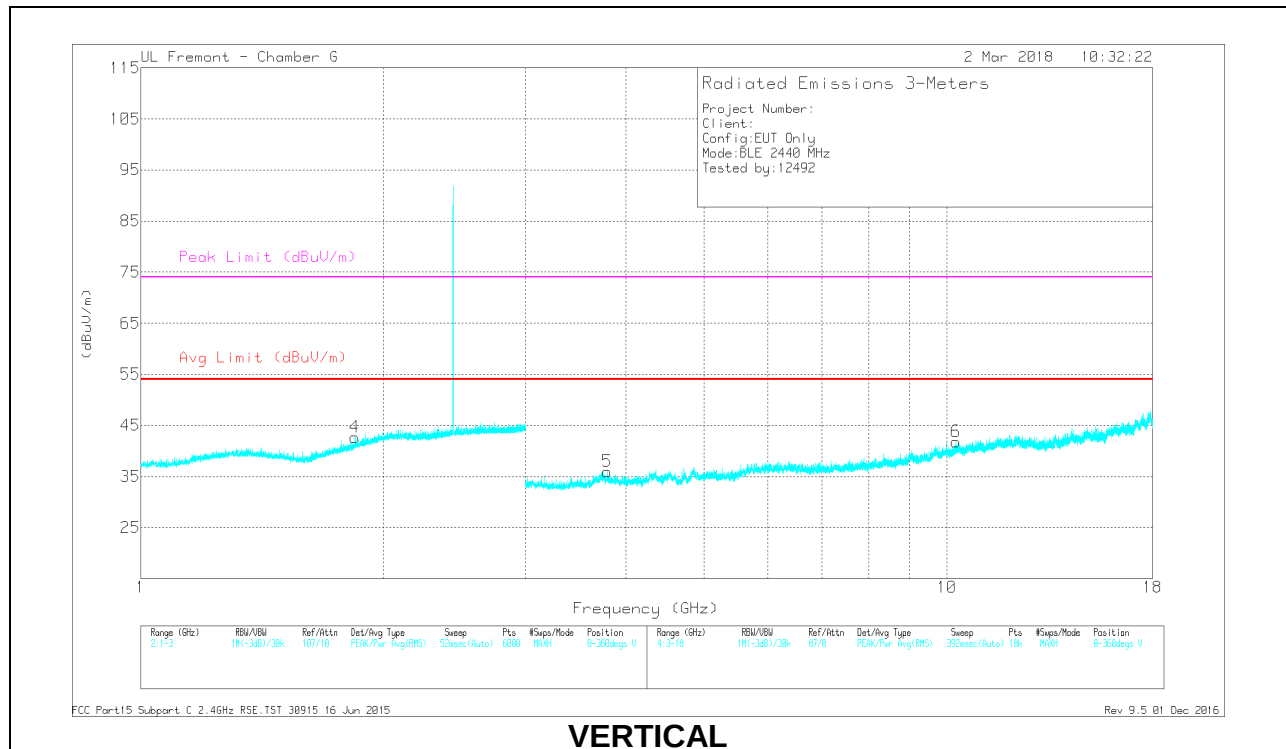
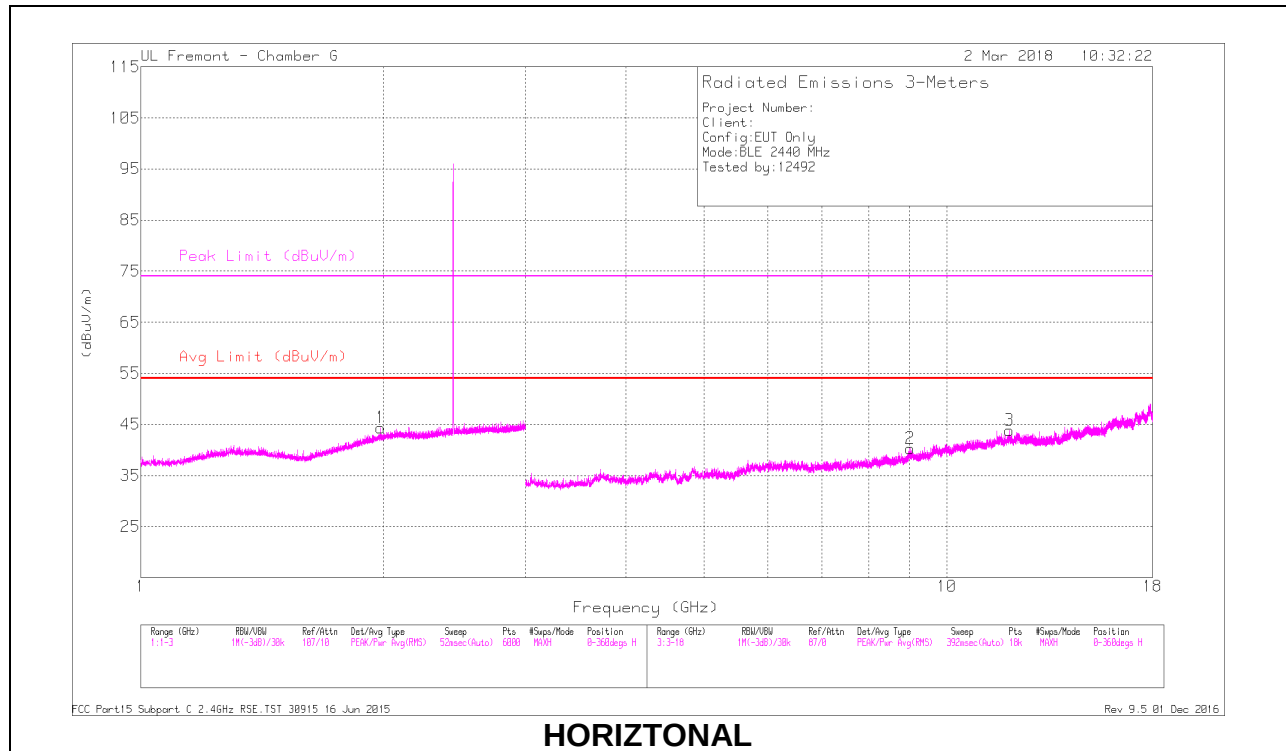


RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl /Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.302	44.32	PK2	28.9	-25.5	47.72	-	-	74	-26.28	360	315	H
	* 1.301	32.17	MAv1	28.9	-25.5	35.57	54	-18.43	-	-	360	315	H
4	* 1.442	43.64	PK2	28.4	-25.2	46.84	-	-	74	-27.16	142	243	V
	* 1.442	31.78	MAv1	28.4	-25.2	34.98	54	-19.02	-	-	142	243	V
2	* 4.853	41.79	PK2	34.1	-32.2	43.69	-	-	74	-30.31	307	303	H
	* 4.84	30.29	MAv1	34.1	-32.2	32.19	54	-21.81	-	-	307	303	H
6	* 11.536	36.51	PK2	38.4	-25.6	49.31	-	-	74	-24.69	121	148	V
	* 11.533	24.95	MAv1	38.4	-25.6	37.75	54	-16.25	-	-	121	148	V
5	6.376	41.18	PK2	35.5	-30.8	45.88	-	-	-	-	144	206	V
3	13.944	37.84	PK2	39.2	-26.8	50.24	-	-	-	-	187	110	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

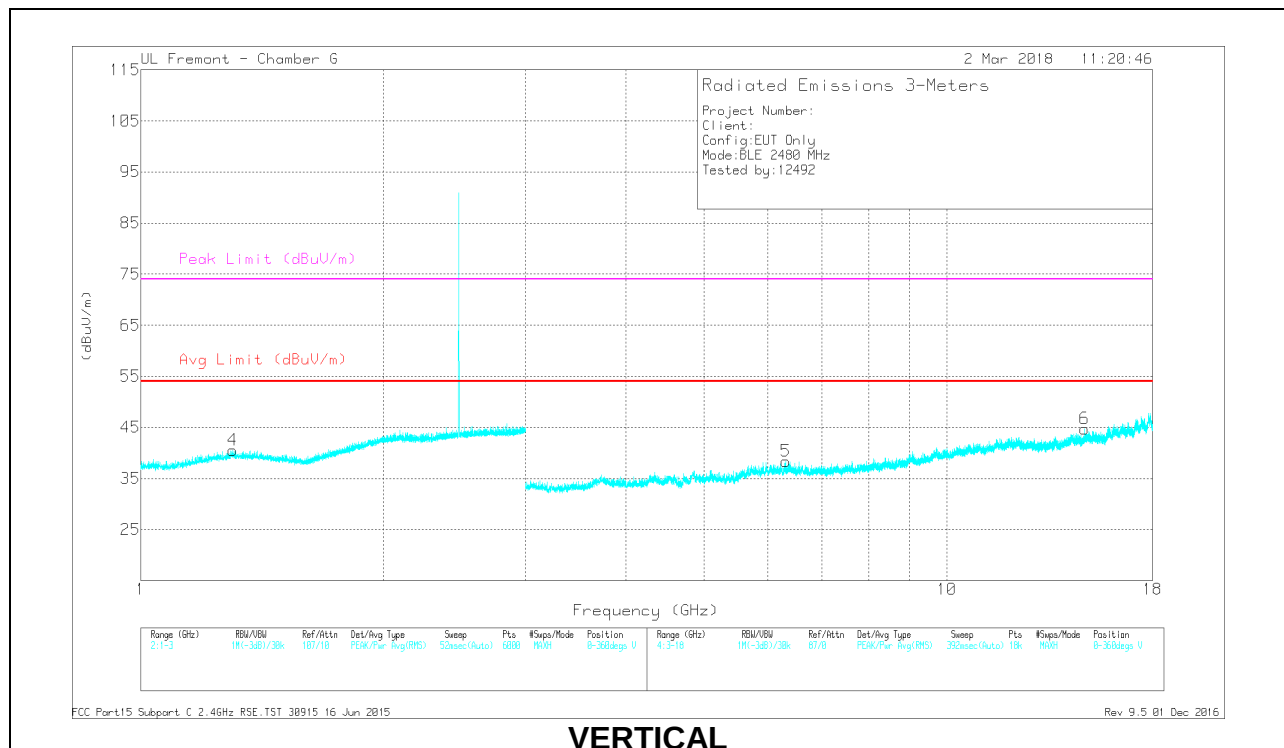
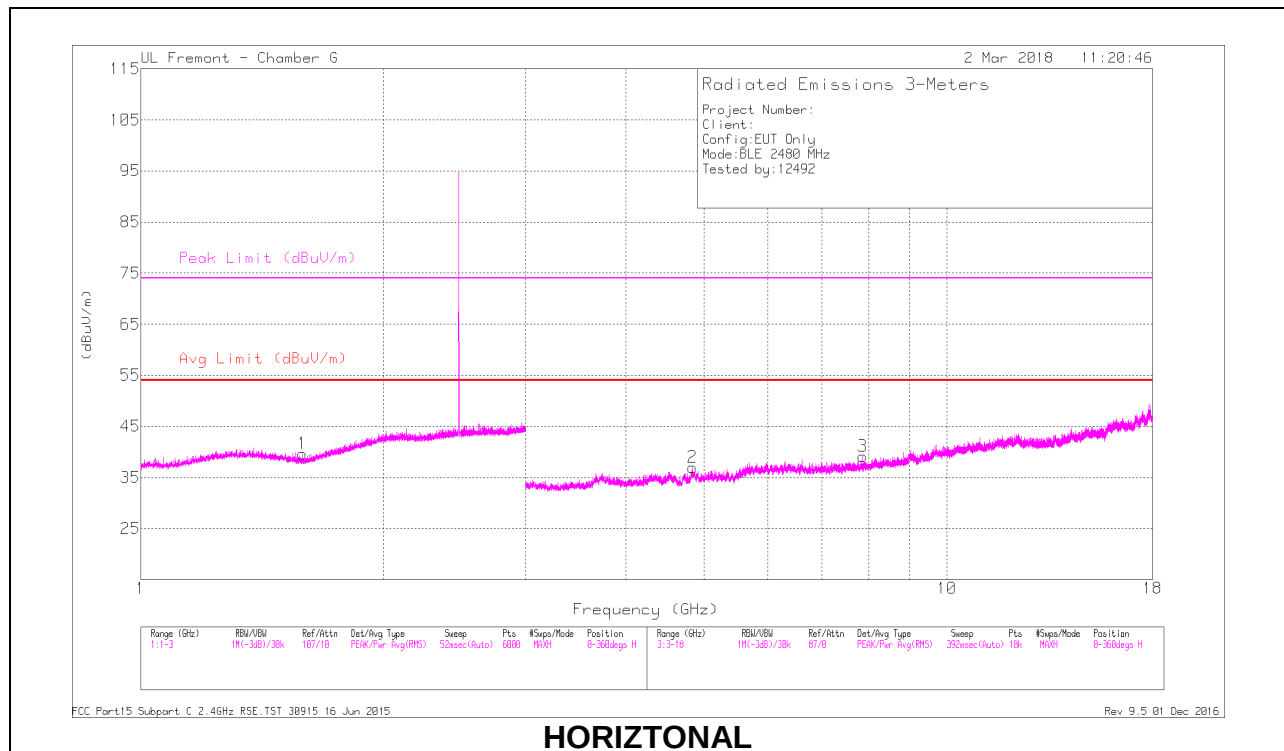
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 9.006	38.4	PK2	36.6	-28	47	-	-	74	-27	270	106	H
	* 9.003	26.57	MAv1	36.6	-27.9	35.27	54	-18.73	-	-	270	106	H
3	* 11.959	36.56	PK2	38.7	-24.7	50.56	-	-	74	-23.44	155	161	H
	* 11.956	24.52	MAv1	38.7	-24.7	38.52	54	-15.48	-	-	155	161	H
5	* 3.787	41.75	PK2	33.3	-32.1	42.95	-	-	74	-31.05	68	141	V
	* 3.789	29.38	MAv1	33.3	-32.1	30.58	54	-23.42	-	-	68	141	V
4	1.845	43.73	PK2	30.3	-24.9	49.13	-	-	-	-	264	309	V
1	1.983	44.31	PK2	31.6	-24.8	51.11	-	-	-	-	338	311	H
6	10.267	36.97	PK2	37.5	-26.7	47.77	-	-	-	-	0	160	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	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.588	44.62	PK2	27.5	-25	47.12	-	-	74	-26.88	282	195	H
	* 1.587	31.62	MAv1	27.5	-25	34.12	54	-19.88	-	-	282	195	H
4	* 1.3	44.39	PK2	28.9	-25.5	47.79	-	-	74	-26.21	207	155	V
	* 1.301	32.12	MAv1	28.9	-25.5	35.52	54	-18.48	-	-	207	155	V
2	* 4.837	41.57	PK2	34.1	-32.2	43.47	-	-	74	-30.53	98	369	H
	* 4.838	30.33	MAv1	34.1	-32.2	32.23	54	-21.77	-	-	98	369	H
5	6.308	39.76	PK2	35.6	-30.6	44.76	-	-	-	-	46	292	V
3	7.871	38.62	PK2	35.9	-29.9	44.62	-	-	-	-	57	274	H
6	14.827	37.09	PK2	40.5	-27.1	50.49	-	-	-	-	14	193	V

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

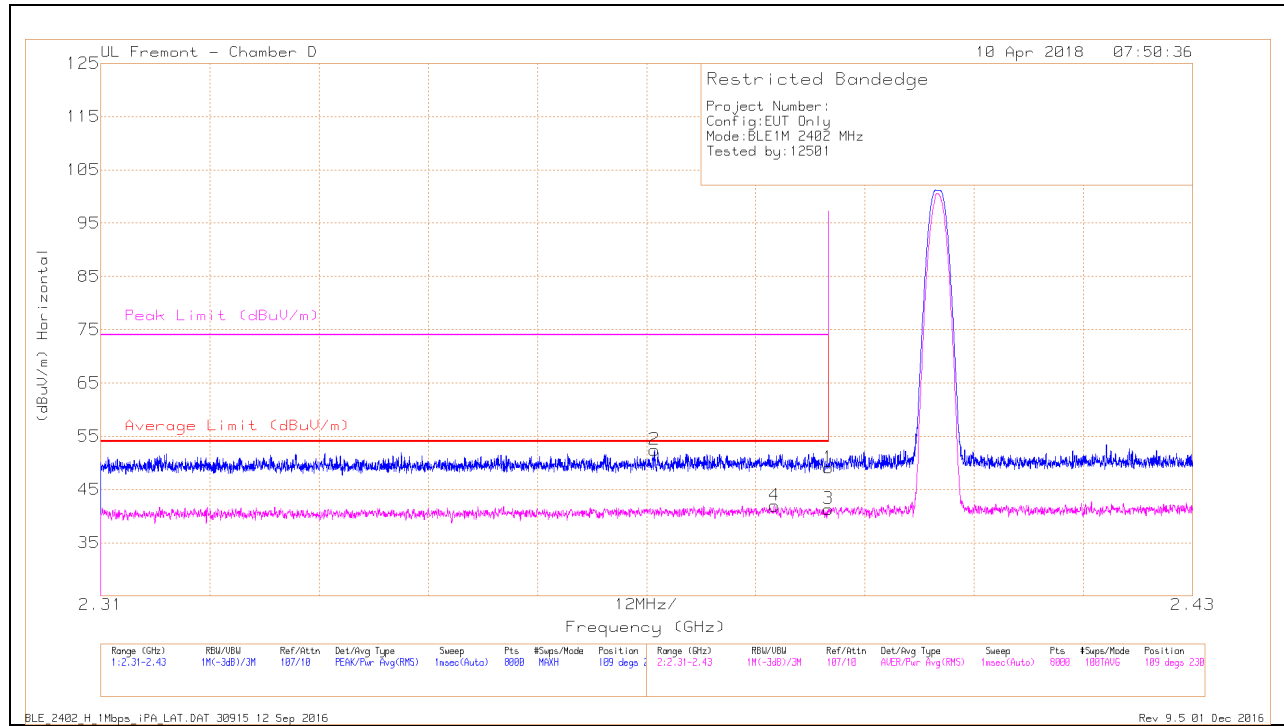
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

ANTENNA 3

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



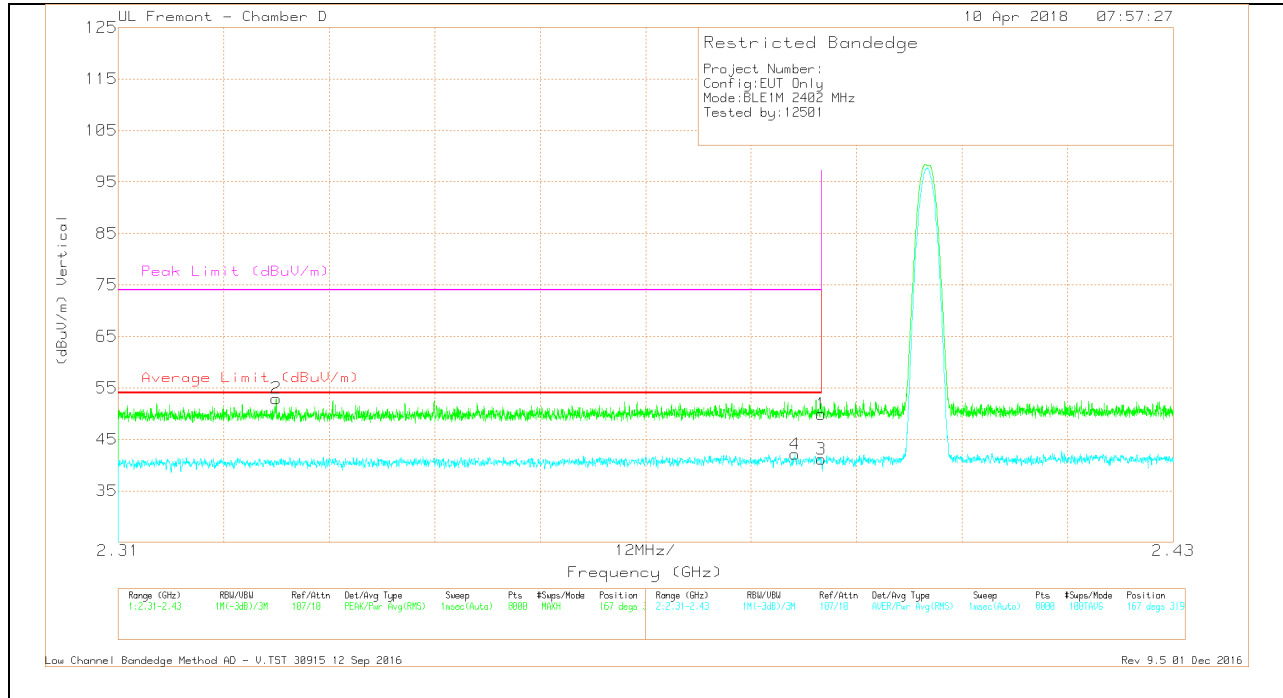
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.371	41.26	Pk	31.8	-20.6	52.46	-	-	74	-21.54	109	230	H
4	* 2.384	30.57	RMS	31.9	-20.5	41.97	54	-12.03	-	-	109	230	H
1	* 2.39	37.68	Pk	31.9	-20.5	49.08	-	-	74	-24.92	109	230	H
3	* 2.39	29.95	RMS	31.9	-20.5	41.35	54	-12.65	-	-	109	230	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl /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	38.51	Pk	31.9	-20.5	49.91	-	-	74	-24.09	167	319	V
2	* 2.328	41.95	Pk	31.6	-20.6	52.95	-	-	74	-21.05	167	319	V
3	* 2.39	29.74	RMS	31.9	-20.5	41.14	54	-12.86	-	-	167	319	V
4	* 2.387	30.73	RMS	31.9	-20.5	42.13	54	-11.87	-	-	167	319	V

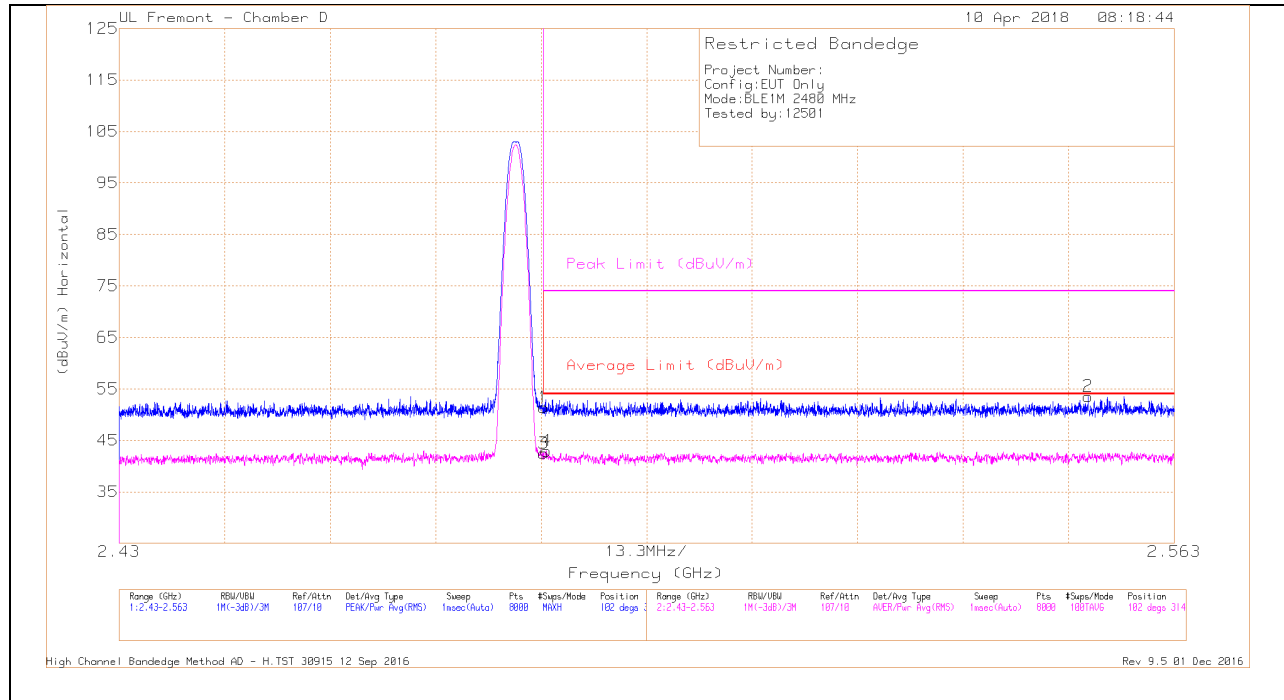
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



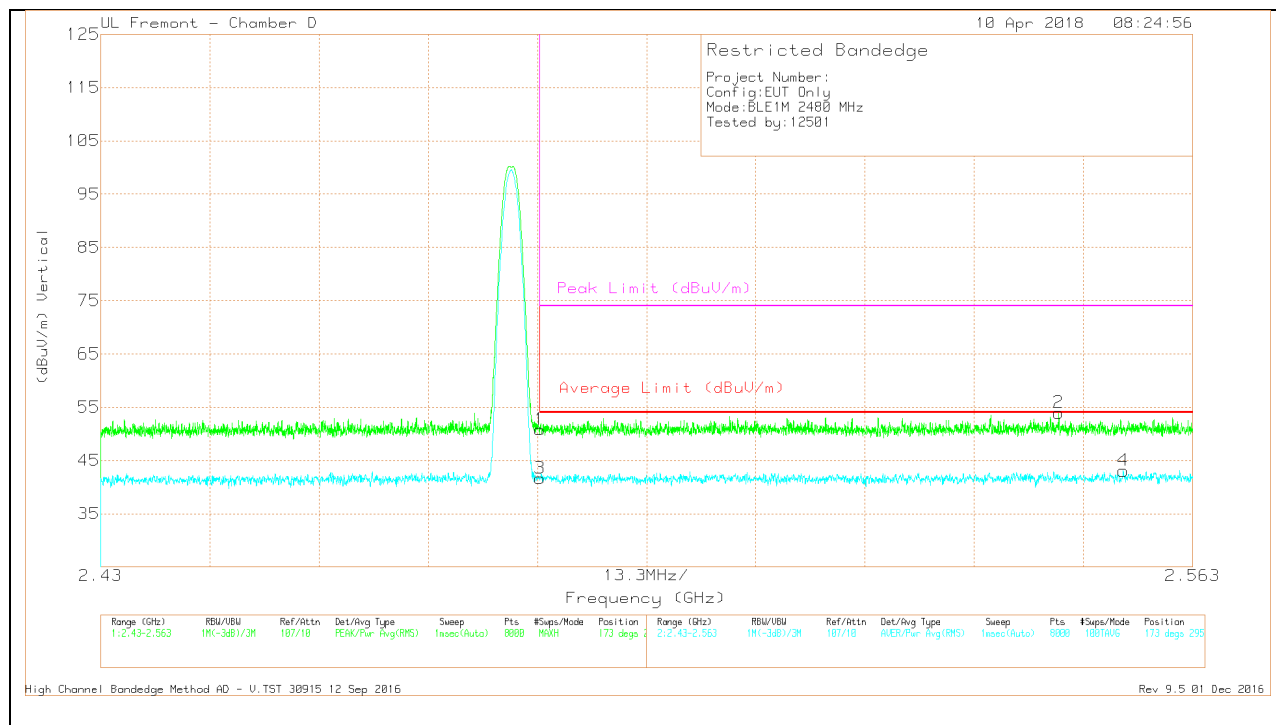
Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	39.43	Pk	32.4	-20.4	51.43	-	-	74	-22.57	102	314	H
3	* 2.484	30.5	RMS	32.4	-20.4	42.5	54	-11.5	-	-	102	314	H
4	* 2.484	31.06	RMS	32.4	-20.5	42.96	54	-11.04	-	-	102	314	H
2	2.552	41.45	Pk	32.4	-20.3	53.55	-	-	74	-20.45	102	314	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	38.79	Pk	32.4	-20.4	50.79	-	-	74	-23.21	173	295	V
3	* 2.484	29.65	RMS	32.4	-20.4	41.65	54	-12.35	-	-	173	295	V
2	2.547	41.84	Pk	32.4	-20.3	53.94	-	-	74	-20.06	173	295	V
4	2.555	30.87	RMS	32.5	-20.3	43.07	54	-10.93	-	-	173	295	V

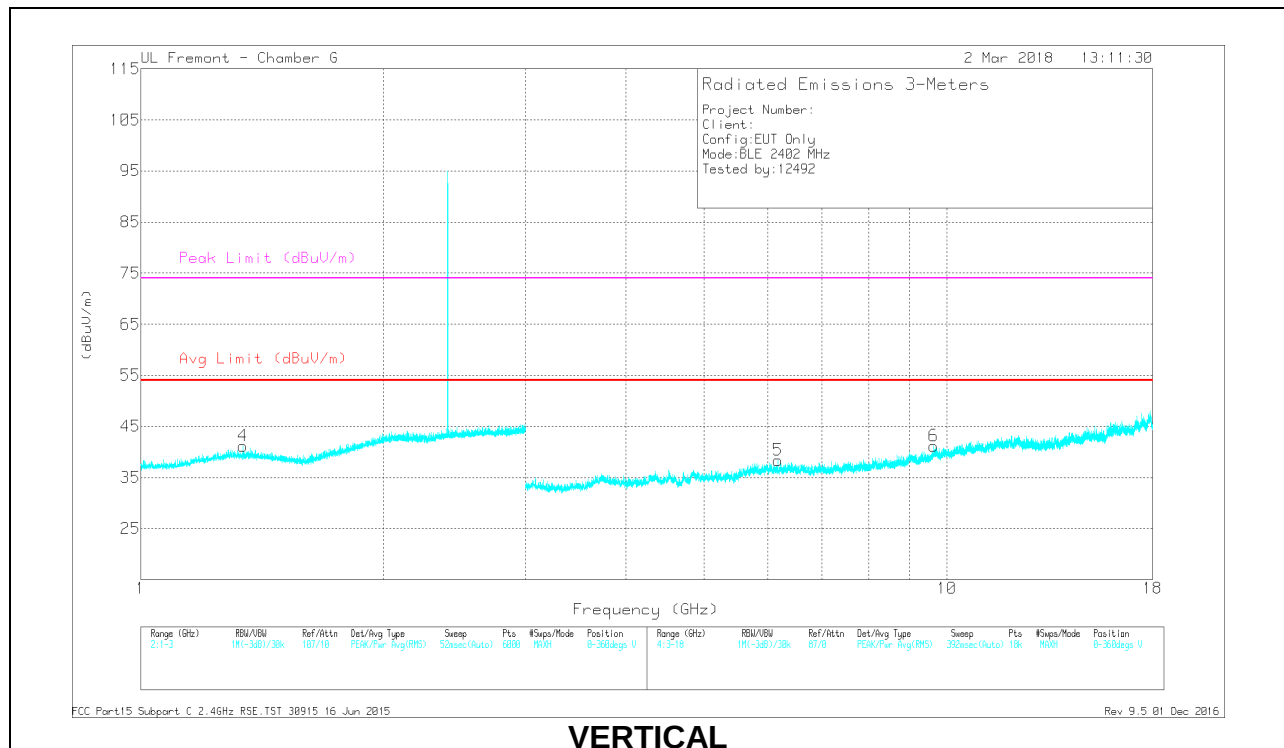
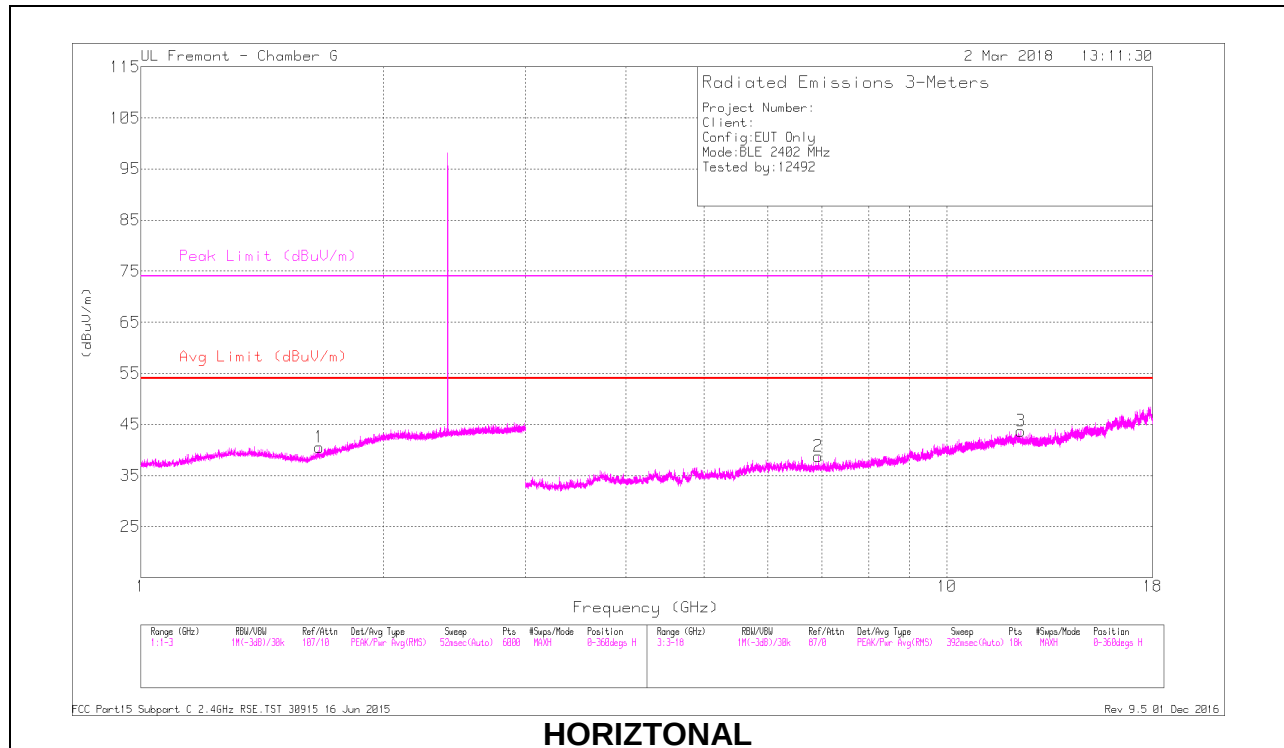
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

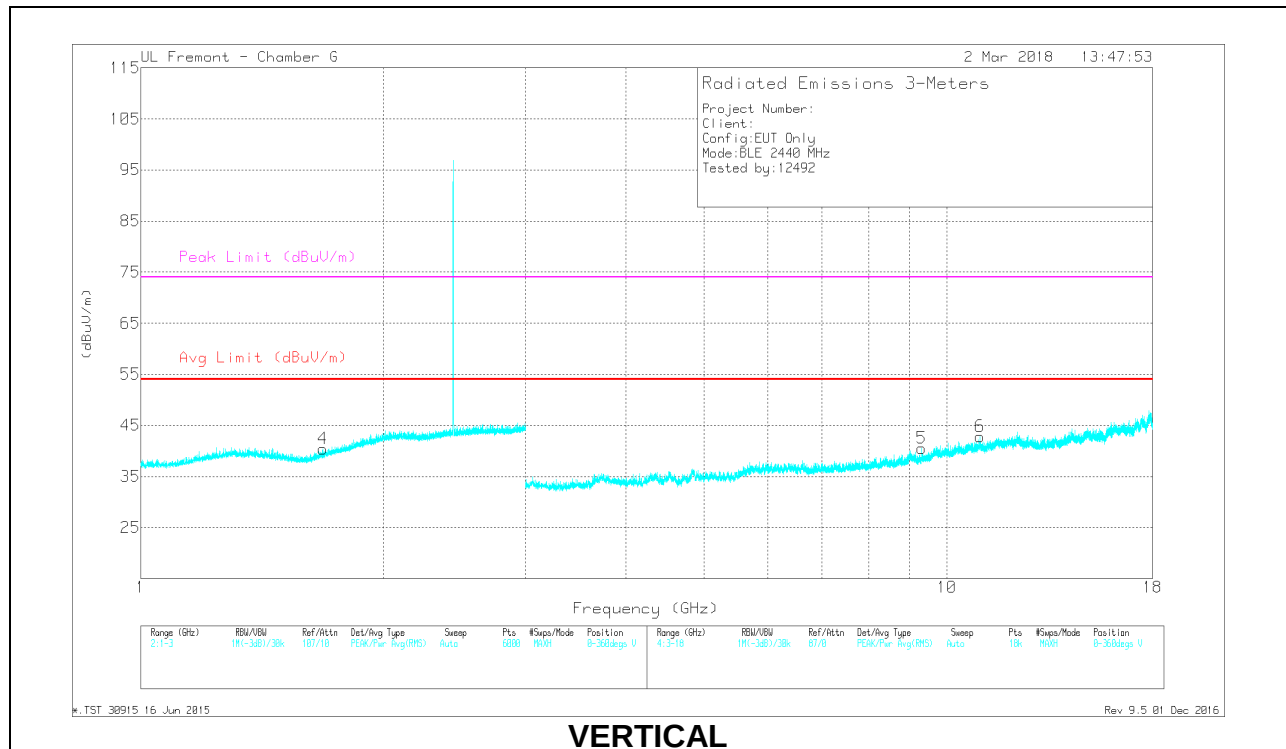
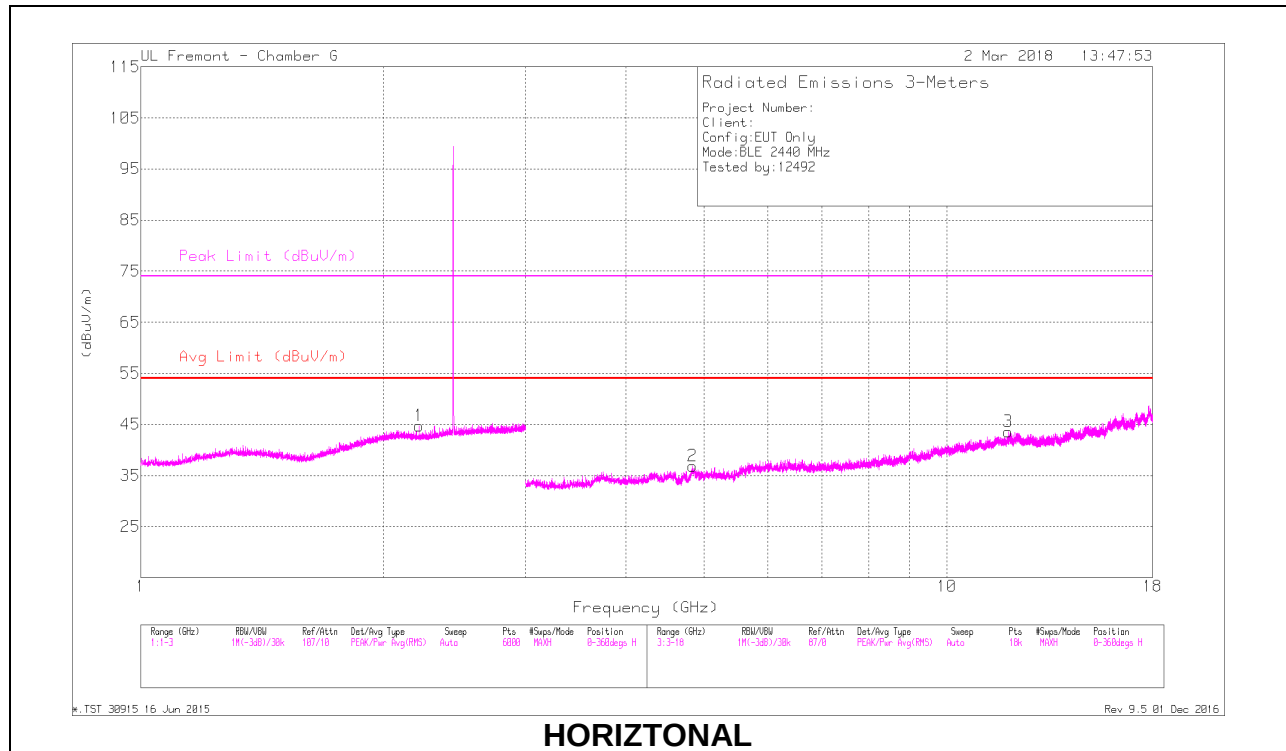
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.665	43.74	PK2	28.2	-24.9	47.04	-	-	74	-26.96	55	292	H
	* 1.664	31.66	MAv1	28.2	-24.9	34.96	54	-19.04	-	-	55	292	H
4	* 1.339	44.17	PK2	28.8	-25.5	47.47	-	-	74	-26.53	267	314	V
	* 1.34	31.99	MAv1	28.8	-25.5	35.29	54	-18.71	-	-	267	314	V
3	* 12.363	36.63	PK2	38.7	-26	49.33	-	-	74	-24.67	356	235	H
	* 12.364	25.11	MAv1	38.7	-26	37.81	54	-16.19	-	-	356	235	H
5	6.169	41.01	PK2	35.5	-31.9	44.61	-	-	-	-	224	160	V
2	6.927	39.68	PK2	35.4	-30.5	44.58	-	-	-	-	38	191	H
6	9.629	37.93	PK2	37	-27.1	47.83	-	-	-	-	138	214	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

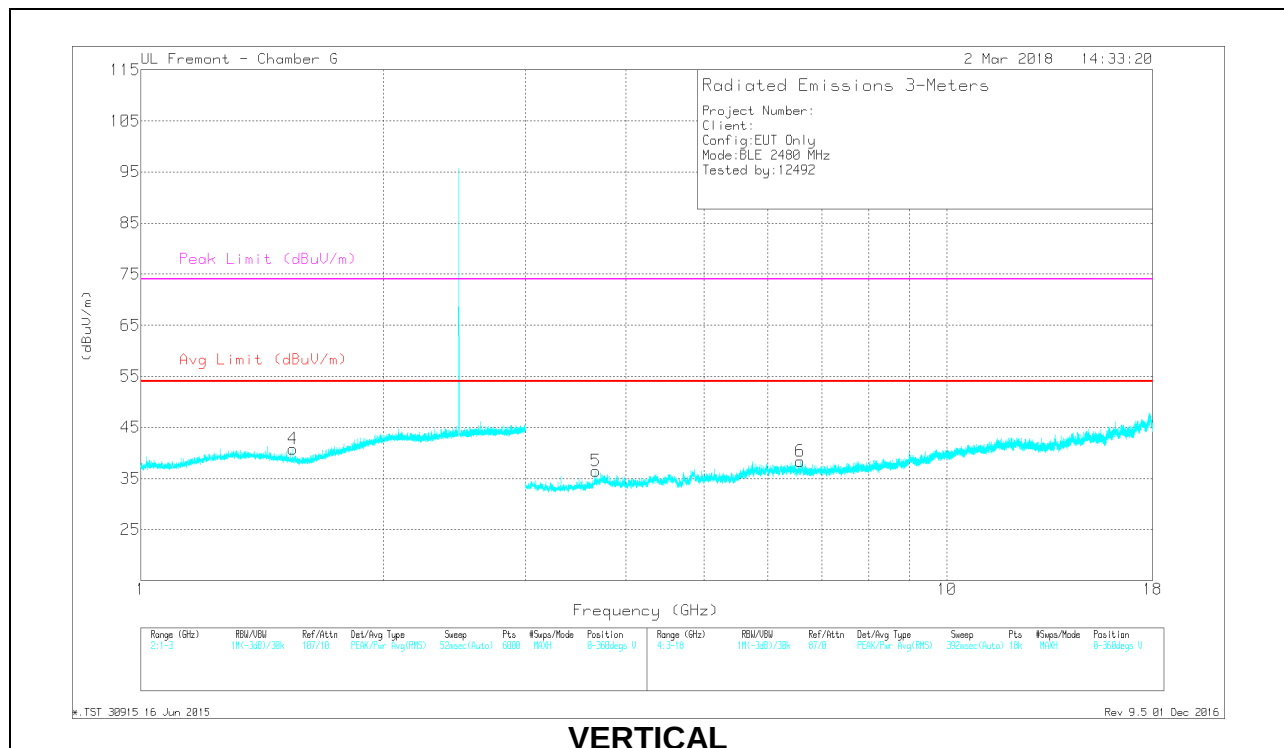
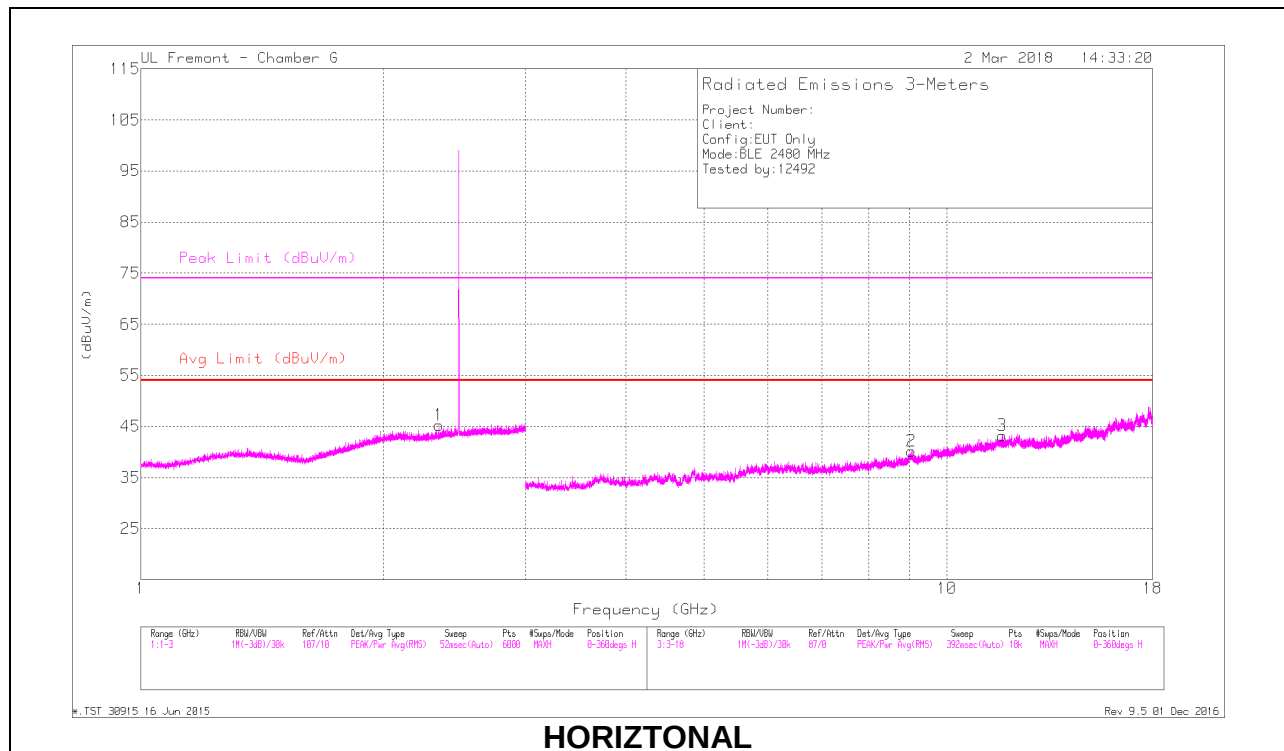


RADIATED EMISSIONS

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.214	44.33	PK2	31.6	-24.5	51.43	-	-	74	-22.57	189	268	H
	* 2.214	31.75	MAv1	31.6	-24.5	38.85	54	-15.15	-	-	189	268	H
4	* 1.682	43.81	PK2	28.5	-24.9	47.41	-	-	74	-26.59	141	179	V
	* 1.683	31.37	MAv1	28.5	-24.9	34.97	54	-19.03	-	-	141	179	V
2	* 4.843	42.78	PK2	34.1	-32.2	44.68	-	-	74	-29.32	329	264	H
	* 4.841	30.57	MAv1	34.1	-32.2	32.47	54	-21.53	-	-	329	264	H
3	* 11.913	37.24	PK2	38.7	-25.4	50.54	-	-	74	-23.46	240	106	H
	* 11.91	24.8	MAv1	38.7	-25.4	38.1	54	-15.9	-	-	240	106	H
5	* 9.313	37.85	PK2	36.7	-27.8	46.75	-	-	74	-27.25	256	171	V
	* 9.313	26.16	MAv1	36.7	-27.8	35.06	54	-18.94	-	-	256	171	V
6	* 10.996	36.32	PK2	38	-25.9	48.42	-	-	74	-25.58	320	320	V
	* 10.993	24.83	MAv1	38	-25.8	37.03	54	-16.97	-	-	320	320	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	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.344	43.96	PK2	31.8	-24.3	51.46	-	-	74	-22.54	276	308	H
	* 2.343	31.52	MAv1	31.8	-24.3	39.02	54	-14.98	-	-	276	308	H
4	* 1.546	44.06	PK2	27.7	-25	46.76	-	-	74	-27.24	168	139	V
	* 1.545	31.95	MAv1	27.8	-25	34.75	54	-19.25	-	-	168	139	V
2	* 9.039	38.09	PK2	36.6	-27.9	46.79	-	-	74	-27.21	65	119	H
	* 9.039	26.34	MAv1	36.6	-27.9	35.04	54	-18.96	-	-	65	119	H
3	* 11.724	36.4	PK2	38.6	-26	49	-	-	74	-25	211	174	H
	* 11.721	25.1	MAv1	38.6	-26	37.7	54	-16.3	-	-	211	174	H
5	* 3.666	39.95	PK2	33.3	-31.4	41.85	-	-	74	-32.15	213	149	V
	* 3.666	28.76	MAv1	33.3	-31.4	30.66	54	-23.34	-	-	213	149	V
6	6.582	39.61	PK2	35.5	-30.7	44.41	-	-	-	-	227	391	V

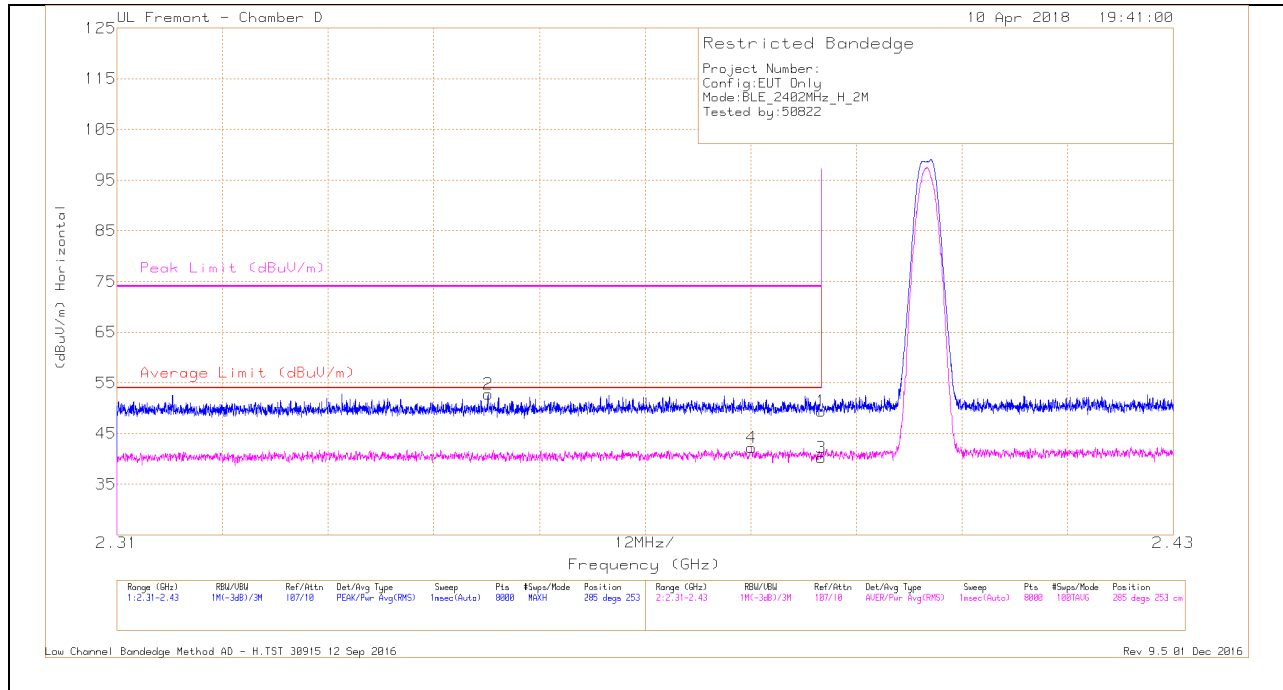
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average

9.2.4. LOW POWER BLE (2Mbps)

ANTENNA 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



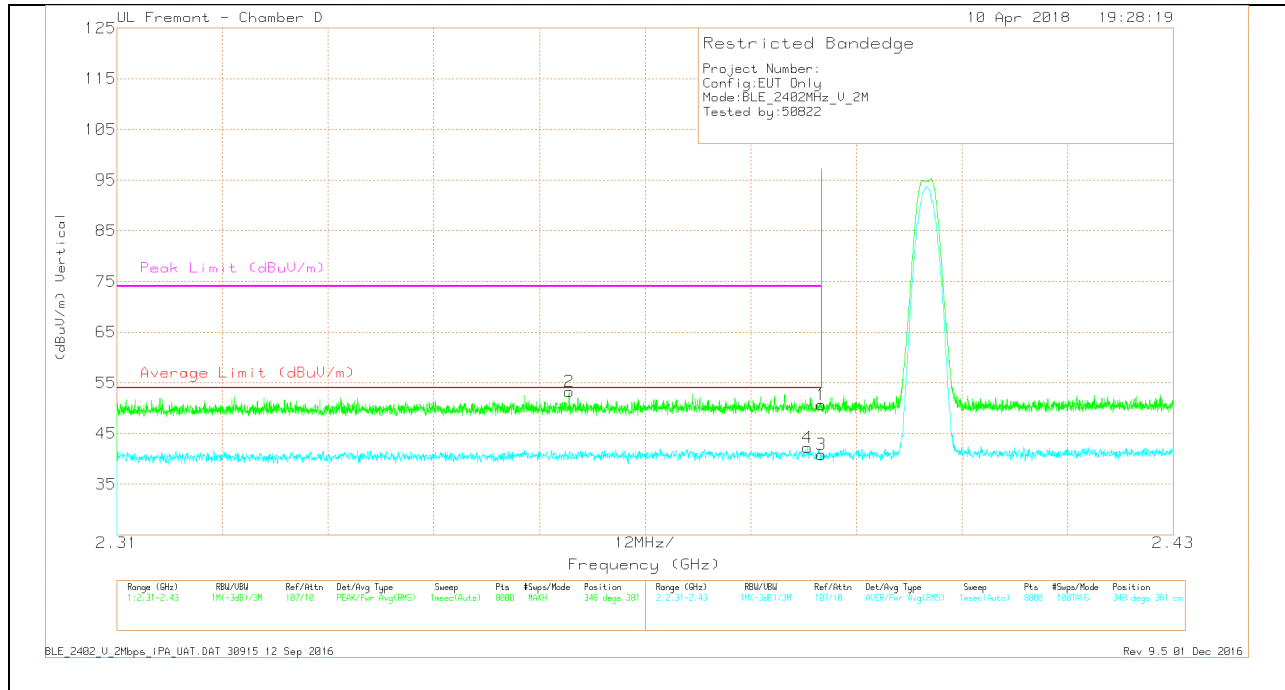
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	37.99	Pk	31.9	-20.5	49.39	-	-	74	-24.61	285	253	H
2	* 2.352	41.81	Pk	31.6	-20.6	52.81	-	-	74	-21.19	285	253	H
3	* 2.39	28.81	RMS	31.9	-20.5	40.21	54	-13.79	-	-	285	253	H
4	* 2.382	30.91	RMS	31.8	-20.5	42.21	54	-11.79	-	-	285	253	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



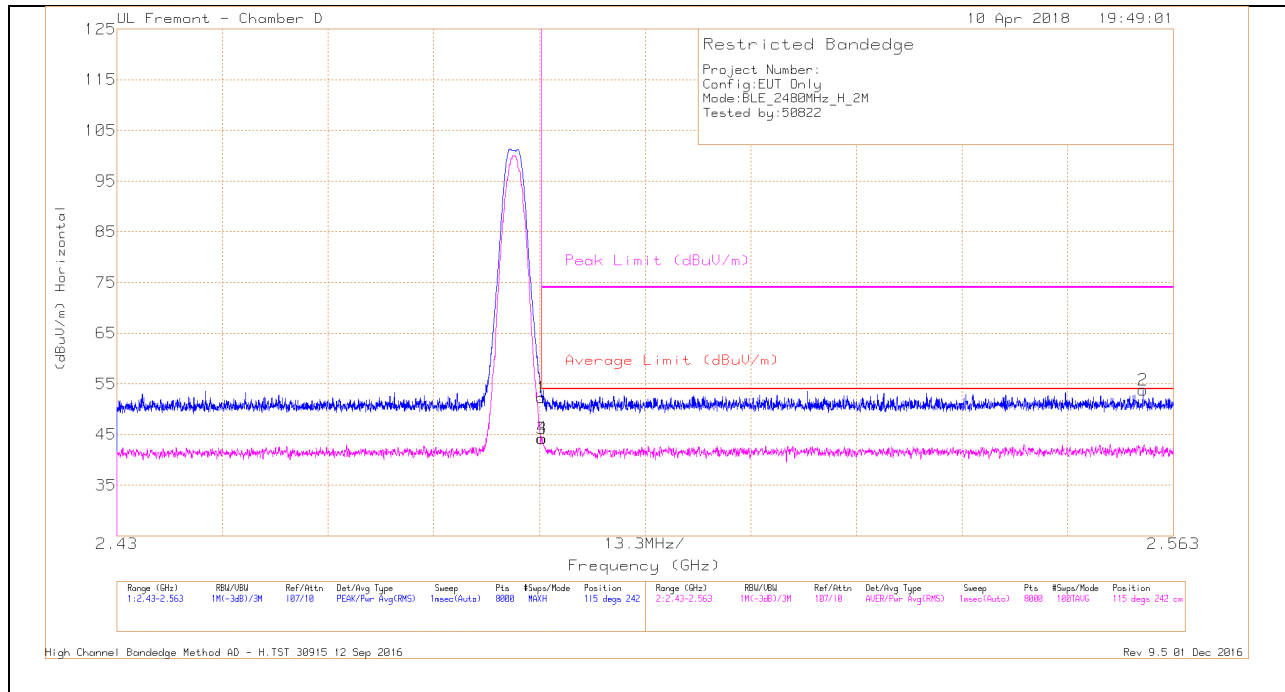
Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	39.29	Pk	31.9	-20.5	50.69	-	-	74	-23.31	348	381	V
2	* 2.361	42.18	Pk	31.7	-20.6	53.28	-	-	74	-20.72	348	381	V
3	* 2.39	29.42	RMS	31.9	-20.5	40.82	54	-13.18	-	-	348	381	V
4	* 2.388	30.87	RMS	31.9	-20.5	42.27	54	-11.73	-	-	348	381	V

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

Pk - Peak detector

RMS - RMS detection

HORIZONTAL RESULT



Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl /Fitr/Pad (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.33	Pk	32.4	-20.4	52.33	-	-	74	-21.67	115	242	H
3	* 2.484	32.19	RMS	32.4	-20.4	44.19	54	-9.81	-	-	115	242	H
4	* 2.484	32.27	RMS	32.4	-20.4	44.27	54	-9.73	-	-	115	242	H
2	2.559	41.52	Pk	32.5	-20.3	53.72	-	-	74	-20.28	115	242	H

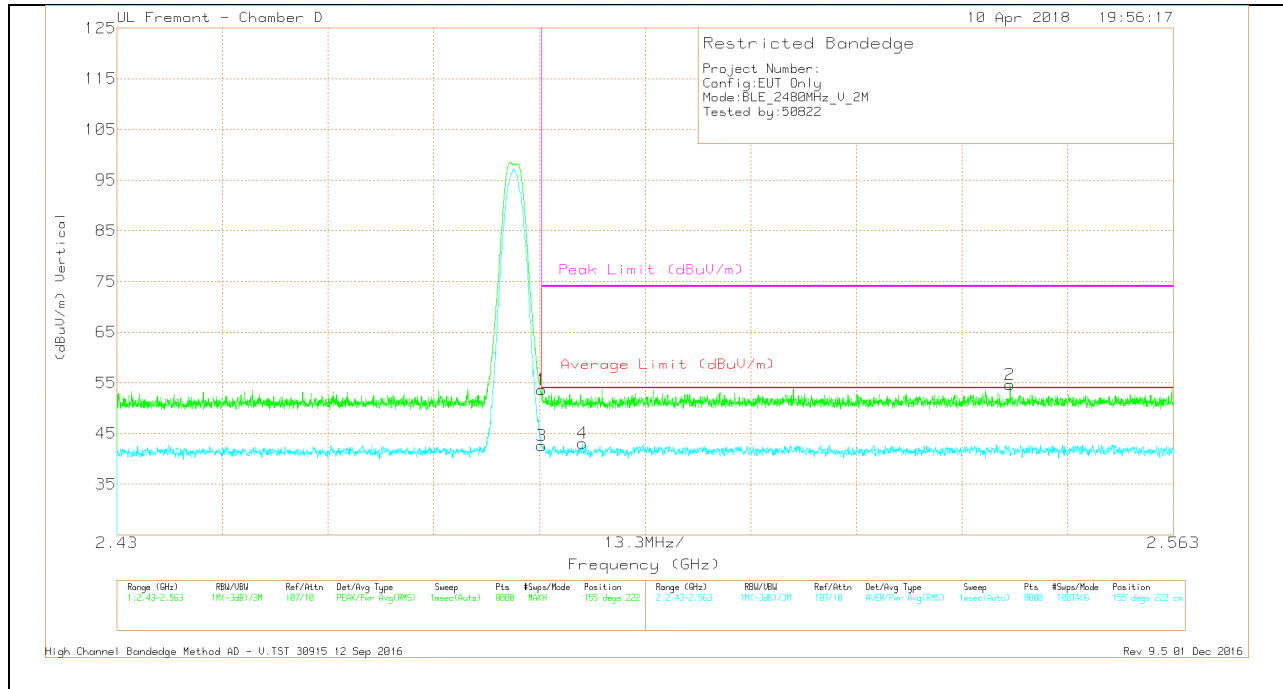
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

VERTICAL RESULT



Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	41.66	Pk	32.4	-20.4	53.66	-	-	74	-20.34	155	222	V
3	* 2.484	30.56	RMS	32.4	-20.4	42.56	54	-11.44	-	-	155	222	V
4	* 2.489	31.19	RMS	32.4	-20.5	43.09	54	-10.91	-	-	155	222	V
2	2.542	42.48	Pk	32.4	-20.3	54.58	-	-	74	-19.42	155	222	V

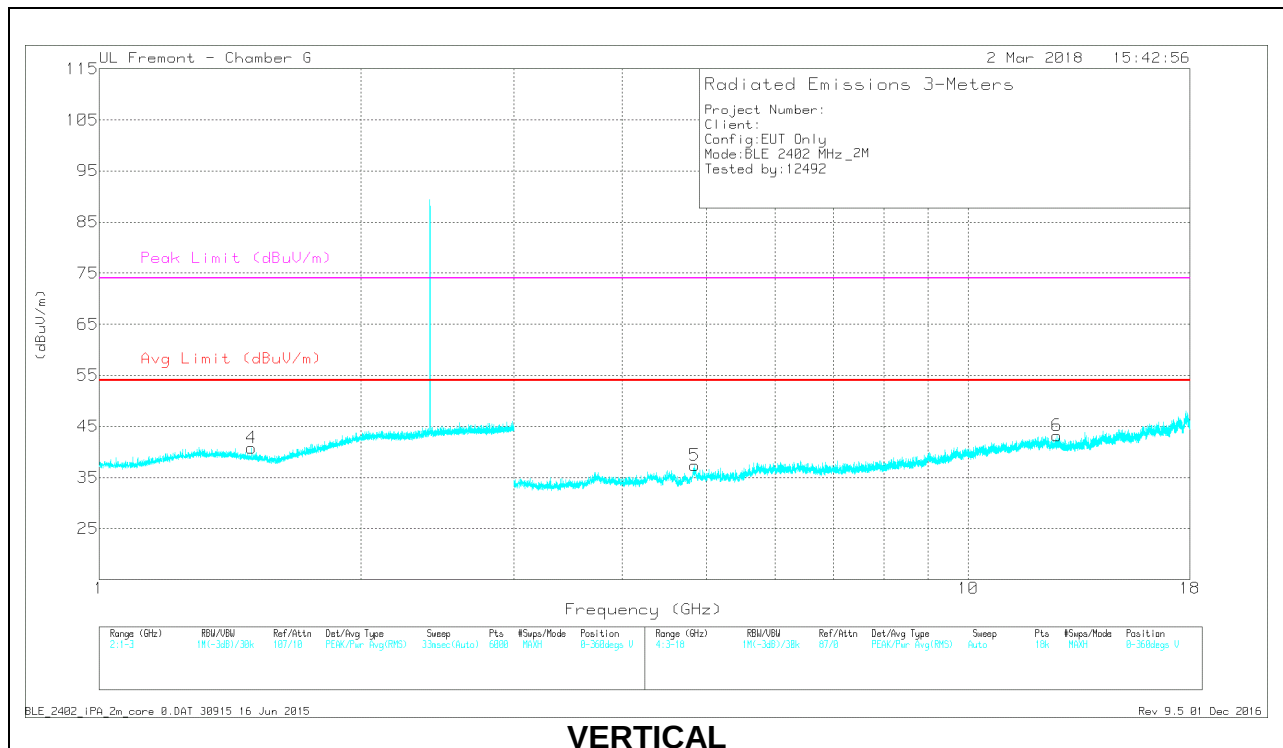
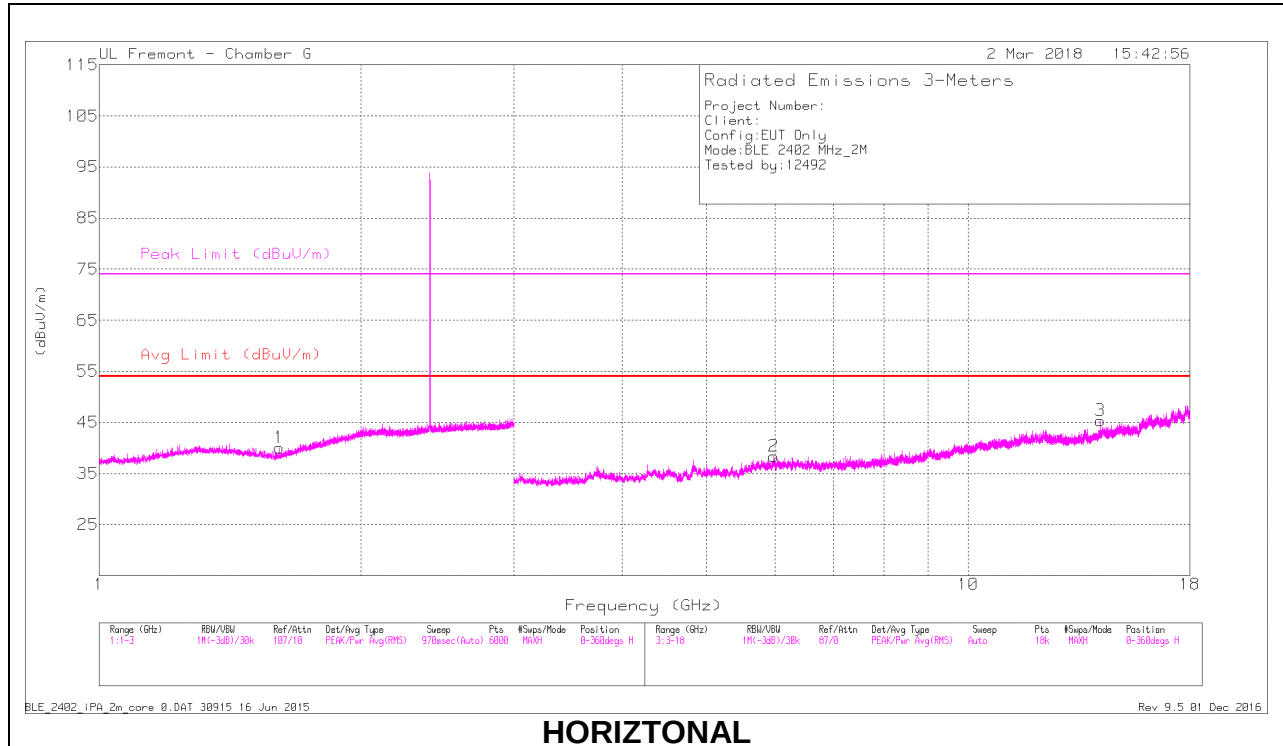
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS

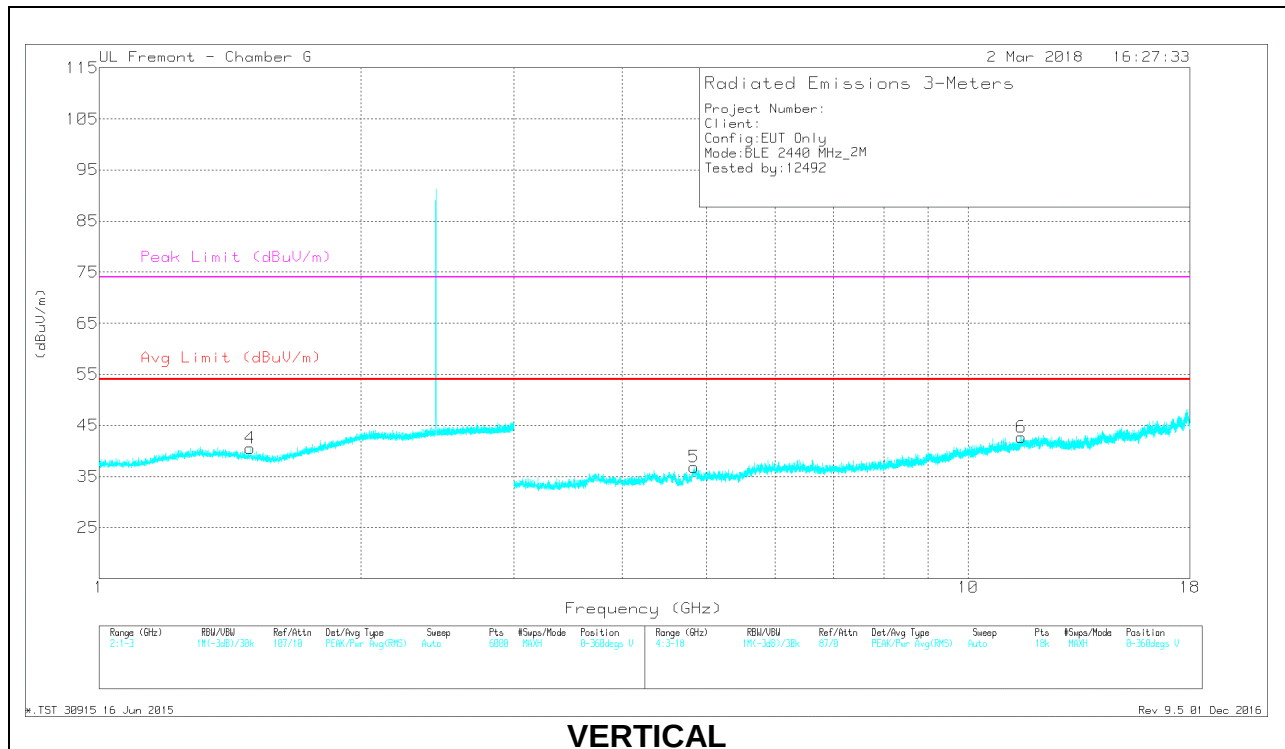
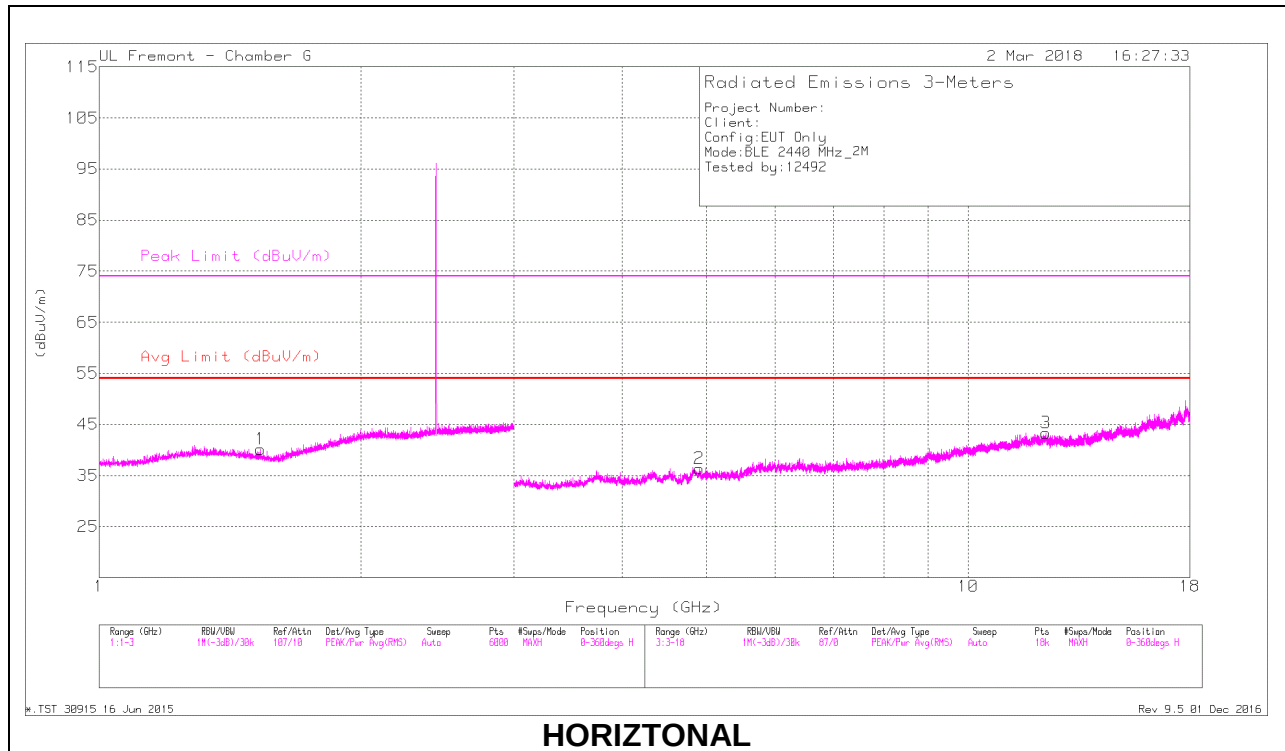


RADIATED EMISSIONS

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.611	43.84	PK2	27.6	-25	46.44	-	-	74	-27.56	86	284	H
	* 1.611	31.68	MAv1	27.6	-25	34.28	54	-19.72	-	-	86	284	H
4	* 1.499	44.35	PK2	28	-25.1	47.25	-	-	74	-26.75	272	149	V
	* 1.497	31.95	MAv1	28	-25.1	34.85	54	-19.15	-	-	272	149	V
5	* 4.849	40.78	PK2	34.1	-32.2	42.68	-	-	74	-31.32	70	188	V
	* 4.847	29.25	MAv1	34.1	-32.2	31.15	54	-22.85	-	-	70	188	V
6	* 12.663	36.12	PK2	38.8	-25.8	49.12	-	-	74	-24.88	305	266	V
	* 12.663	24.61	MAv1	38.8	-25.8	37.61	54	-16.39	-	-	305	266	V
2	5.979	39.71	PK2	35.5	-30.5	44.71	-	-	-	-	231	110	H
	5.981	28.08	MAv1	35.5	-30.5	33.08	-	-	-	-	231	110	H
3	14.21	37.17	PK2	39.5	-26.5	50.17	-	-	-	-	19	172	H
	14.21	25.93	MAv1	39.5	-26.5	38.93	-	-	-	-	19	172	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

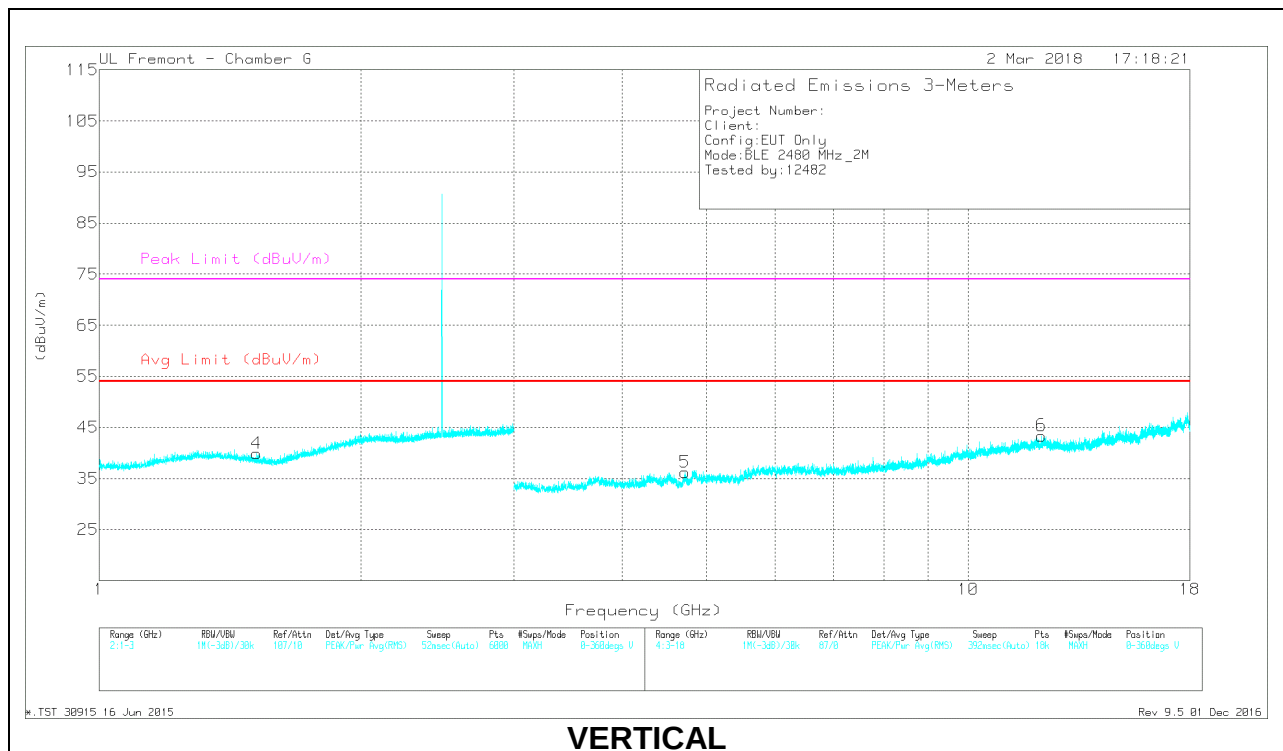
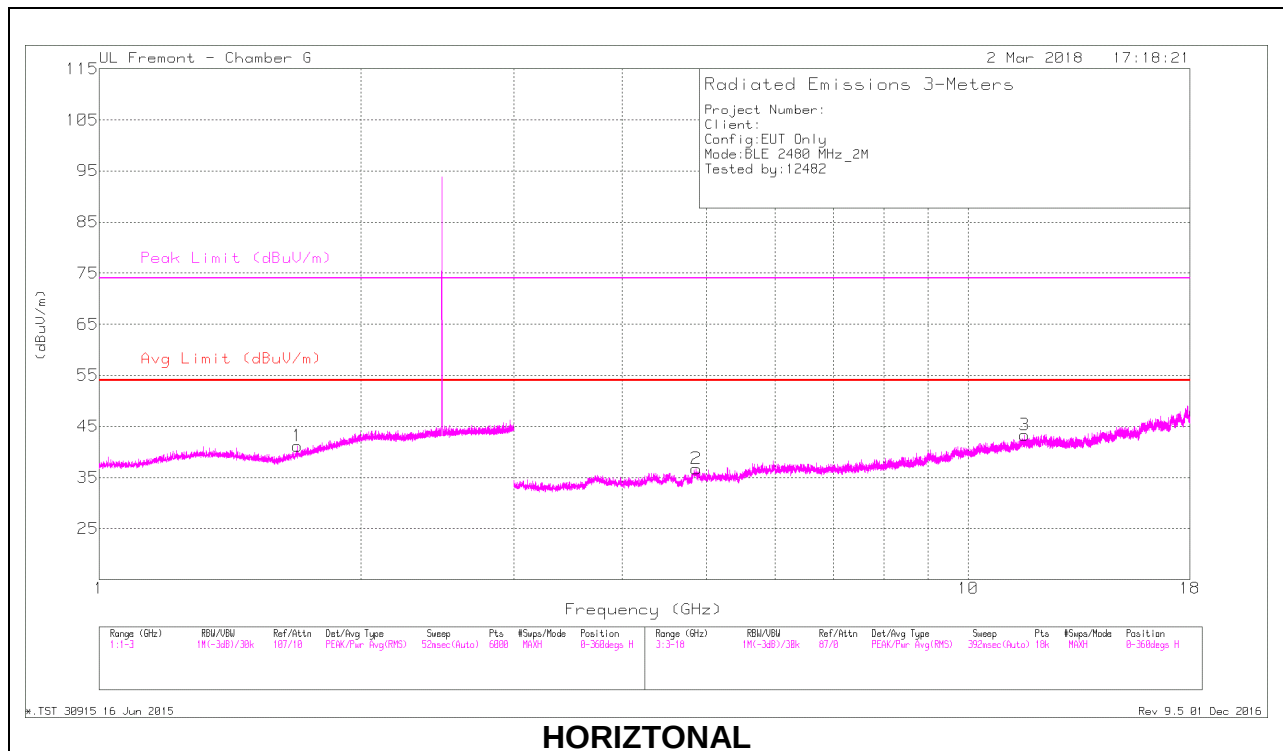


RADIATED EMISSIONS

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.532	43.73	PK2	27.8	-25.1	46.43	-	-	74	-27.57	0	314	H
	* 1.53	31.72	MAv1	27.8	-25.1	34.42	54	-19.58	-	-	0	314	H
4	* 1.493	43.72	PK2	28.1	-25.1	46.72	-	-	74	-27.28	163	319	V
	* 1.493	31.83	MAv1	28.1	-25.1	34.83	54	-19.17	-	-	163	319	V
2	* 4.905	40.49	PK2	34.1	-32.1	42.49	-	-	74	-31.51	216	296	H
	* 4.904	28.71	MAv1	34.1	-32.1	30.71	54	-23.29	-	-	216	296	H
3	* 12.284	36.07	PK2	38.7	-25.1	49.67	-	-	74	-24.33	15	194	H
	* 12.284	24.88	MAv1	38.7	-25.1	38.48	54	-15.52	-	-	15	194	H
5	* 4.839	41.79	PK2	34.1	-32.2	43.69	-	-	74	-30.31	51	305	V
	* 4.841	30.12	MAv1	34.1	-32.2	32.02	54	-21.98	-	-	51	305	V
6	* 11.525	36.53	PK2	38.4	-25.7	49.23	-	-	74	-24.77	177	183	V
	* 11.525	24.97	MAv1	38.4	-25.7	37.67	54	-16.33	-	-	177	183	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

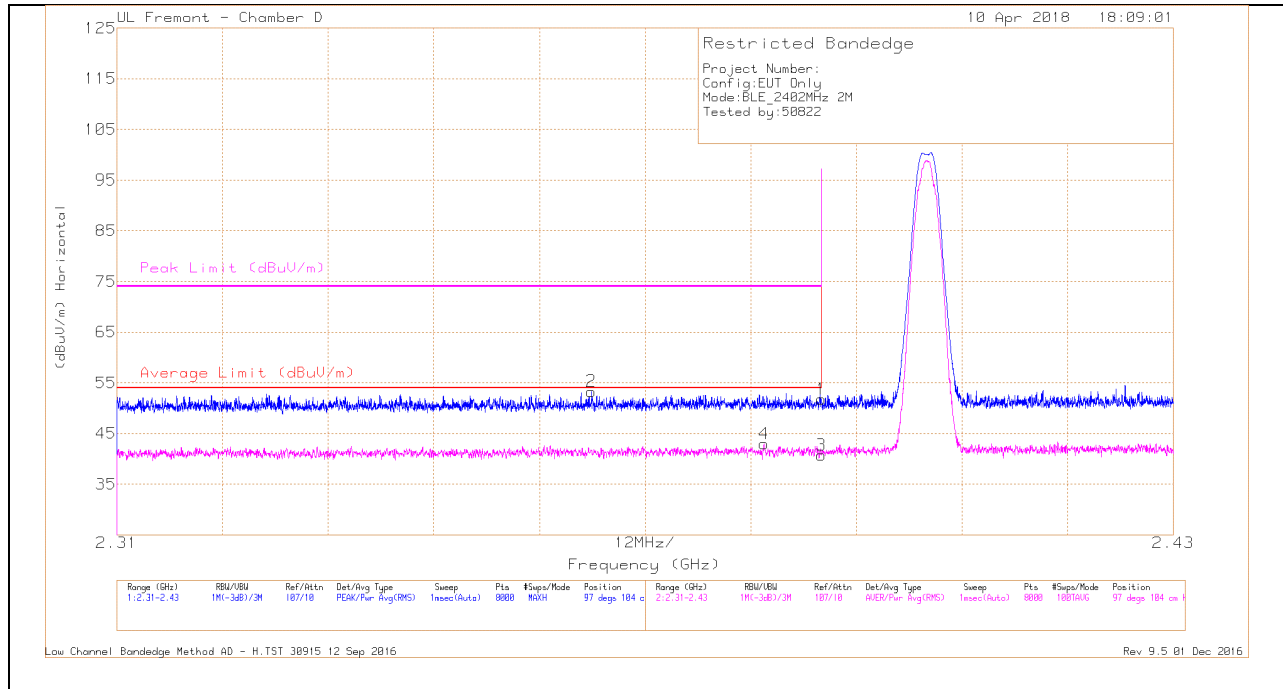
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.691	44.48	PK2	28.6	-24.9	48.18	-	-	74	-25.82	253	315	H
	* 1.689	31.56	MAv1	28.6	-24.9	35.26	54	-18.74	-	-	253	315	H
4	* 1.516	43.84	PK2	27.9	-25.1	46.64	-	-	74	-27.36	42	307	V
	* 1.516	31.82	MAv1	27.9	-25.1	34.62	54	-19.38	-	-	42	307	V
2	* 4.869	40.36	PK2	34.1	-32.1	42.36	-	-	74	-31.64	286	299	H
	* 4.867	28.94	MAv1	34.1	-32.1	30.94	54	-23.06	-	-	286	299	H
3	* 11.617	36.57	PK2	38.5	-25.5	49.57	-	-	74	-24.43	56	271	H
	* 11.619	24.68	MAv1	38.5	-25.5	37.68	54	-16.32	-	-	56	271	H
5	* 4.728	40.91	PK2	34	-32	42.91	-	-	74	-31.09	37	291	V
	* 4.728	29.22	MAv1	34	-32	31.22	54	-22.78	-	-	37	291	V
6	* 12.141	36.31	PK2	38.7	-25.6	49.41	-	-	74	-24.59	323	322	V
	* 12.141	24.71	MAv1	38.7	-25.6	37.81	54	-16.19	-	-	323	322	V

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

ANTENNA 3

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



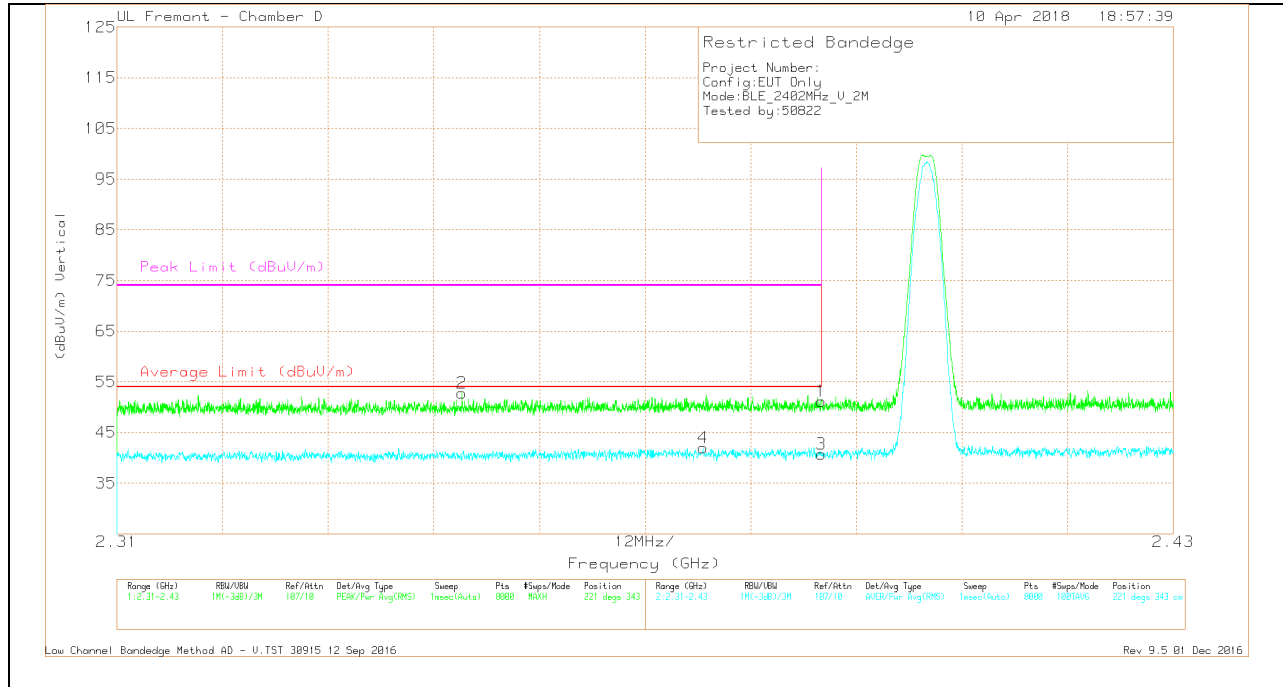
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	40.35	Pk	31.9	-20.5	51.75	-	-	74	-22.25	97	104	H
2	* 2.364	42.23	Pk	31.7	-20.6	53.33	-	-	74	-20.67	97	104	H
3	* 2.39	29.3	RMS	31.9	-20.5	40.7	54	-13.3	-	-	97	104	H
4	* 2.384	31.68	RMS	31.8	-20.5	42.98	54	-11.02	-	-	97	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 T136 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	39.78	Pk	31.9	-20.5	51.18	-	-	74	-22.82	221	343	V
2	* 2.349	41.72	Pk	31.6	-20.6	52.72	-	-	74	-21.28	221	343	V
3	* 2.39	29.29	RMS	31.9	-20.5	40.69	54	-13.31	-	-	221	343	V
4	* 2.377	30.62	RMS	31.8	-20.4	42.02	54	-11.98	-	-	221	343	V

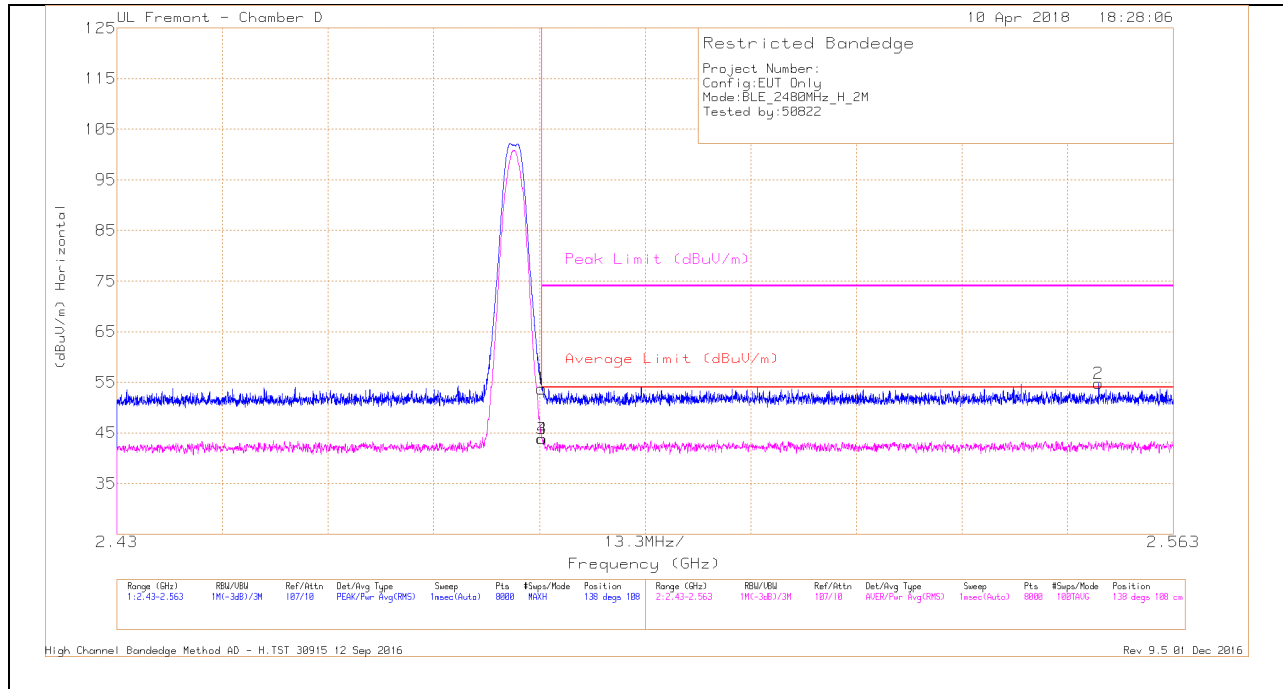
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



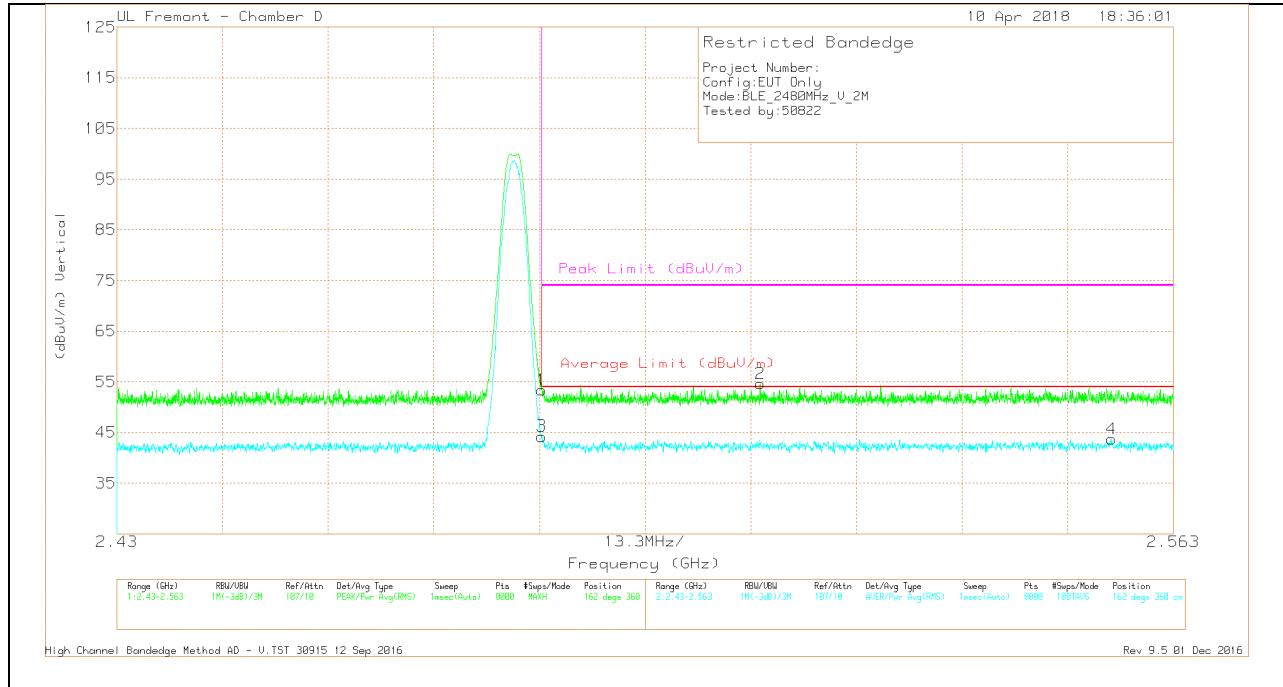
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1	* 2.484	41.71	Pk	32.4	-20.4	53.71	-	-	74	-20.29	138	108	H
3	* 2.484	31.8	RMS	32.4	-20.4	43.8	54	-10.2	-	-	138	108	H
4	* 2.484	31.87	RMS	32.4	-20.4	43.87	54	-10.13	-	-	138	108	H
2	2.554	42.6	Pk	32.5	-20.3	54.8	-	-	74	-19.2	138	108	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	41.44	Pk	32.4	-20.4	53.44	-	-	74	-20.56	162	360	V
3	* 2.484	32.27	RMS	32.4	-20.4	44.27	54	-9.73	-	-	162	360	V
2	2.511	42.53	Pk	32.4	-20.3	54.63	-	-	74	-19.37	162	360	V
4	2.555	31.49	RMS	32.5	-20.3	43.69	54	-10.31	-	-	162	360	V

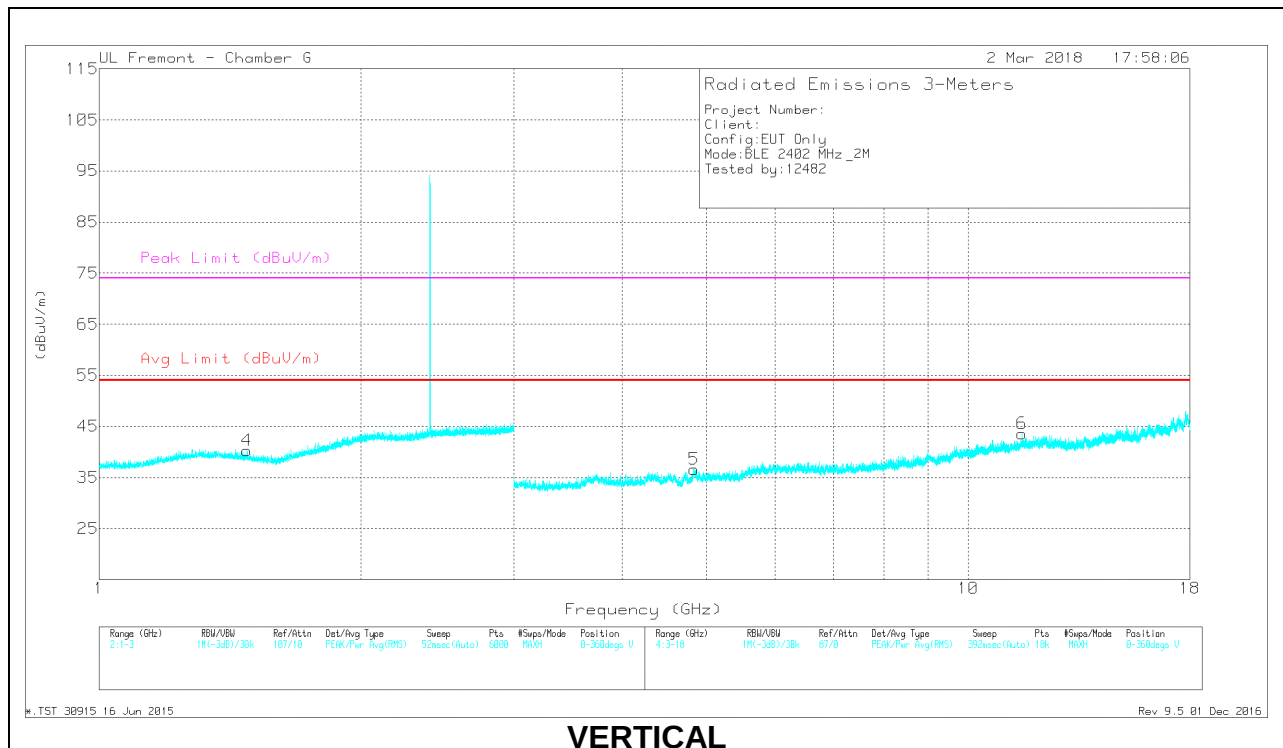
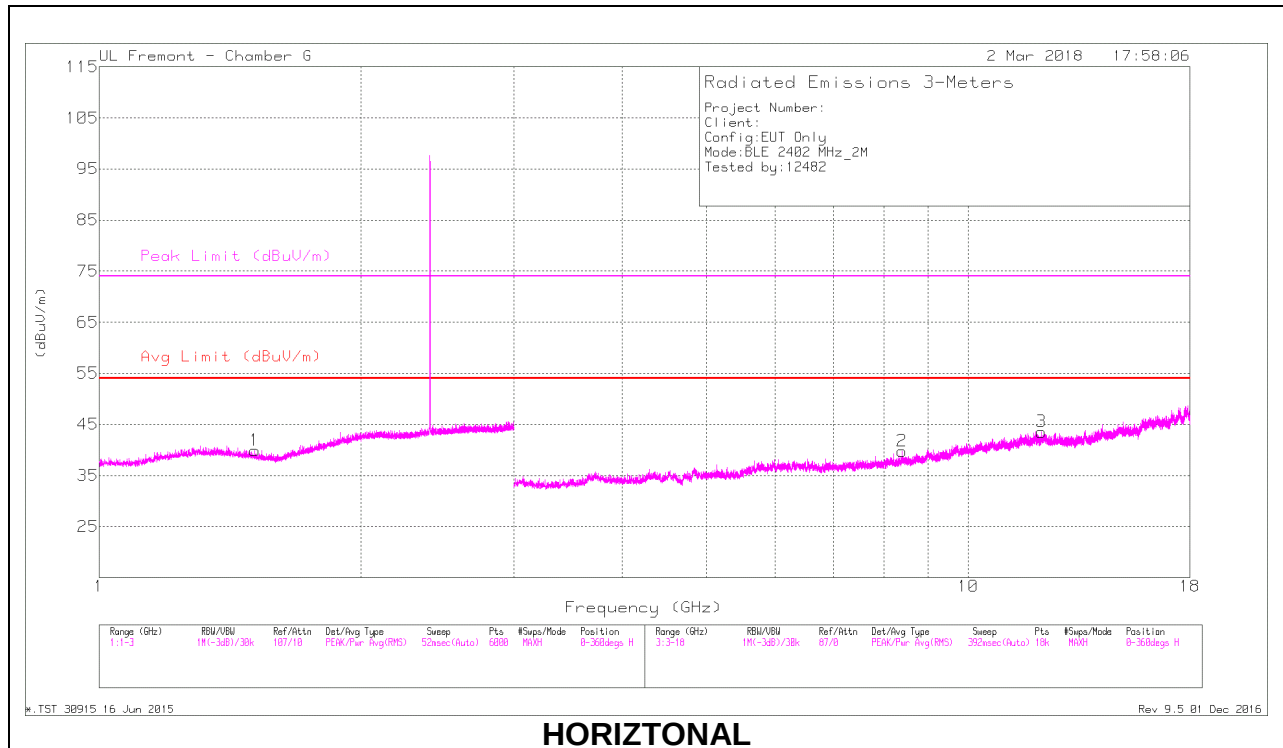
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS

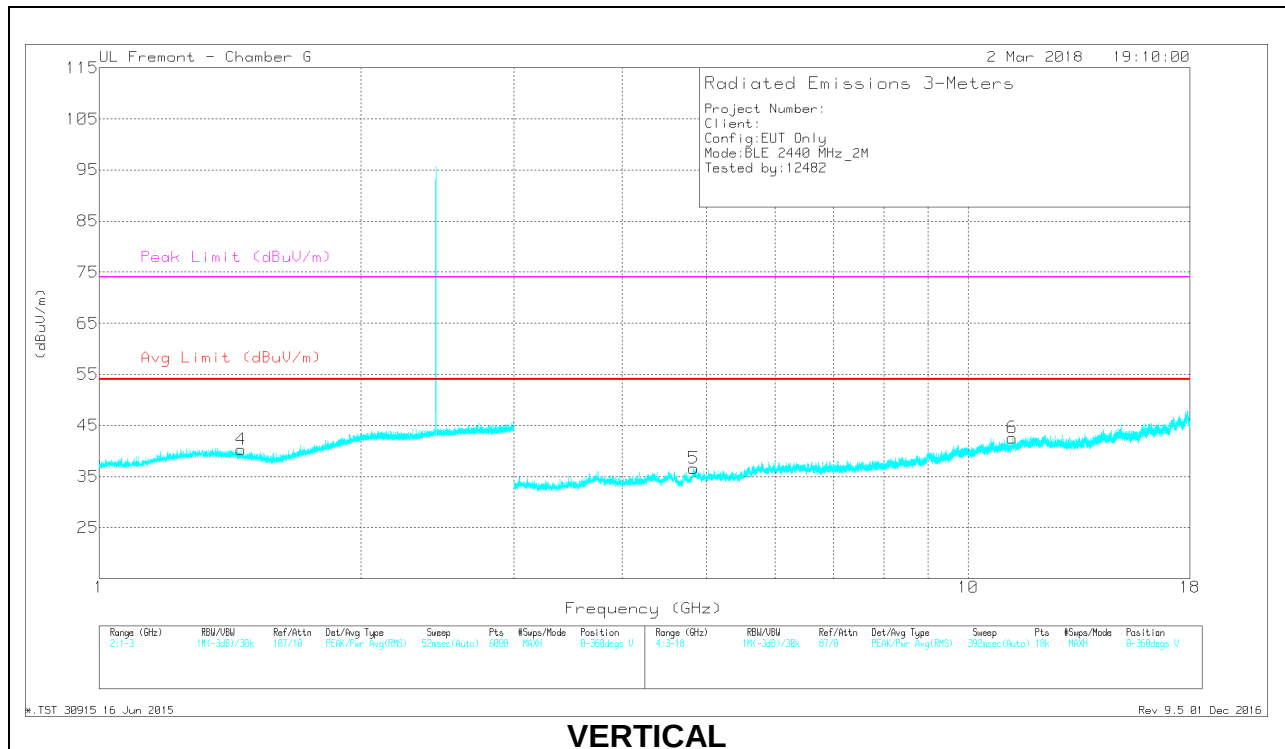
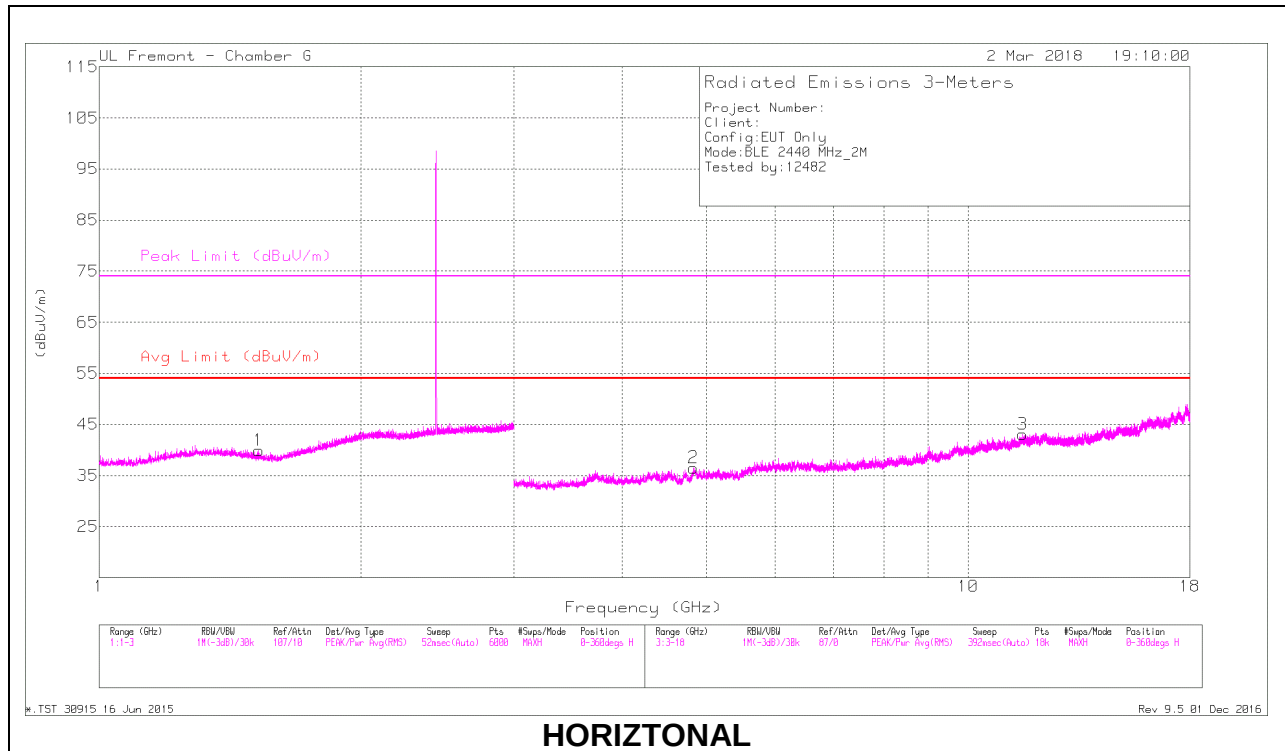


RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (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	* 1.51	43.77	PK2	28	-25.1	46.67	-	-	74	-27.33	143	301	H
	* 1.512	31.53	MAv1	27.9	-25.1	34.33	54	-19.67	-	-	143	301	H
4	* 1.478	43.49	PK2	28.2	-25.1	46.59	-	-	74	-27.41	63	313	V
	* 1.48	31.73	MAv1	28.2	-25.1	34.83	54	-19.17	-	-	63	313	V
2	* 8.402	38.17	PK2	36.2	-28.7	45.67	-	-	74	-28.33	288	142	H
	* 8.403	26.77	MAv1	36.2	-28.7	34.27	54	-19.73	-	-	288	142	H
3	* 12.148	36.52	PK2	38.7	-25.5	49.72	-	-	74	-24.28	117	181	H
	* 12.147	25.05	MAv1	38.7	-25.5	38.25	54	-15.75	-	-	117	181	H
5	* 4.841	41.41	PK2	34.1	-32.2	43.31	-	-	74	-30.69	308	175	V
	* 4.841	30.08	MAv1	34.1	-32.2	31.98	54	-22.02	-	-	308	175	V
6	* 11.532	36.21	PK2	38.4	-25.6	49.01	-	-	74	-24.99	308	175	V
	* 11.532	25.41	MAv1	38.4	-25.6	38.21	54	-15.79	-	-	308	175	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

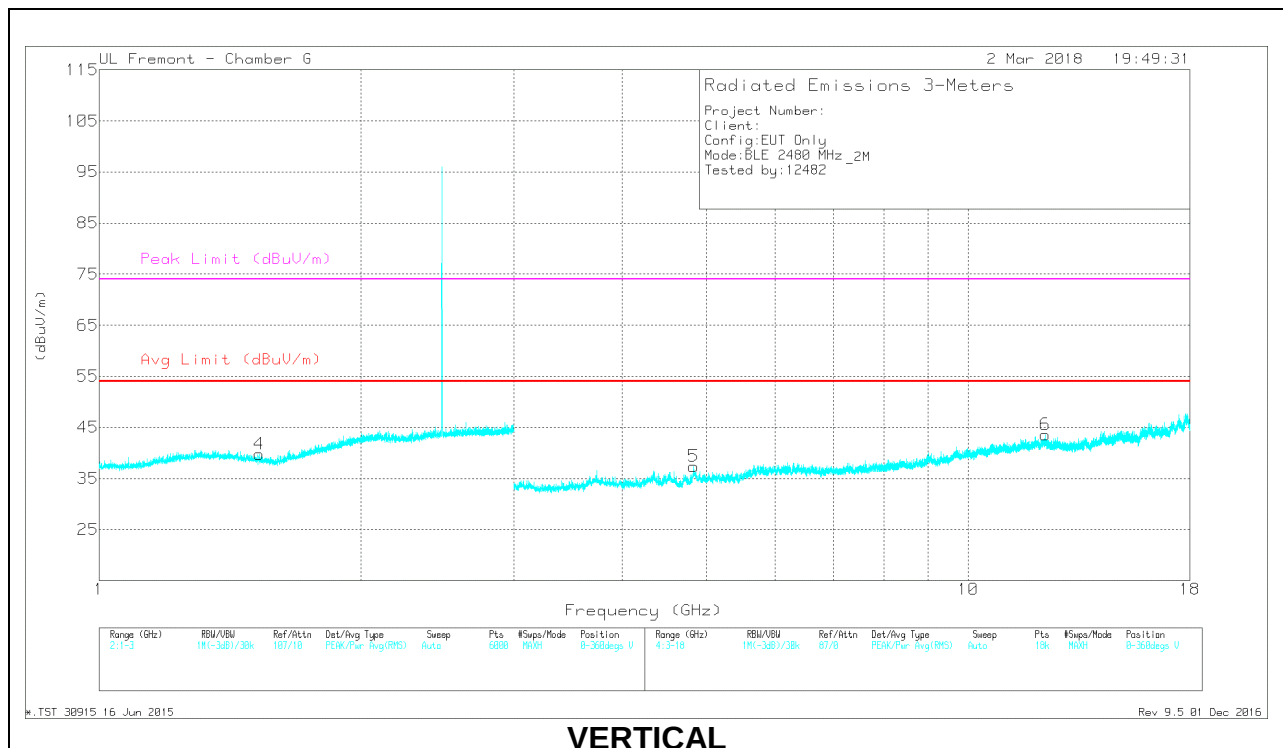
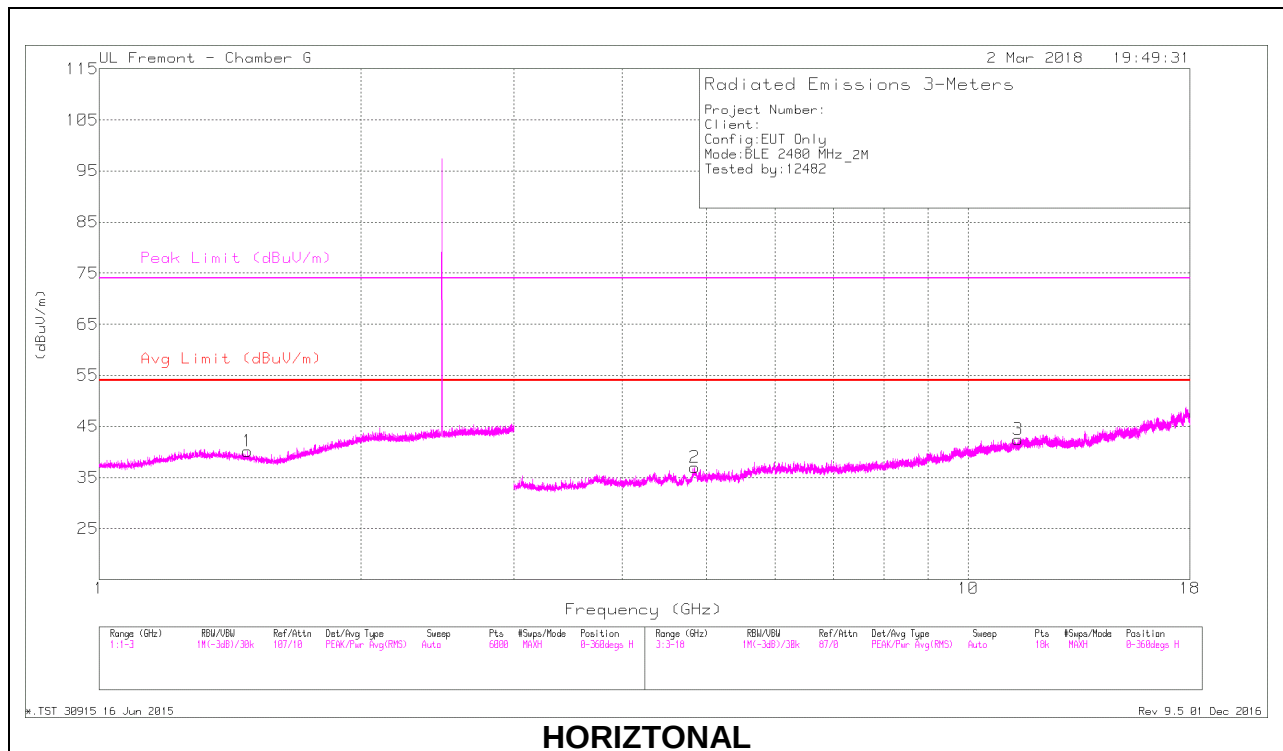


RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (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	* 1.528	43.77	PK2	27.9	-25.1	46.57	-	-	74	-27.43	20	150	H
	* 1.528	31.86	MAv1	27.9	-25.1	34.66	54	-19.34	-	-	20	150	H
4	* 1.458	44.01	PK2	28.3	-25.1	47.21	-	-	74	-26.79	278	303	V
	* 1.459	31.68	MAv1	28.3	-25.1	34.88	54	-19.12	-	-	278	303	V
2	* 4.828	42.11	PK2	34.1	-32.2	44.01	-	-	74	-29.99	222	101	H
	* 4.83	29.98	MAv1	34.1	-32.2	31.88	54	-22.12	-	-	222	101	H
3	* 11.553	36.54	PK2	38.5	-25.4	49.64	-	-	74	-24.36	141	101	H
	* 11.55	25.06	MAv1	38.5	-25.4	38.16	54	-15.84	-	-	141	101	H
5	* 4.832	41.02	PK2	34.1	-32.2	42.92	-	-	74	-31.08	336	112	V
	* 4.833	29.69	MAv1	34.1	-32.2	31.59	54	-22.41	-	-	336	112	V
6	* 11.246	35.83	PK2	38.1	-25.4	48.53	-	-	74	-25.47	0	314	V
	* 11.247	24.27	MAv1	38.1	-25.4	36.97	54	-17.03	-	-	0	314	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



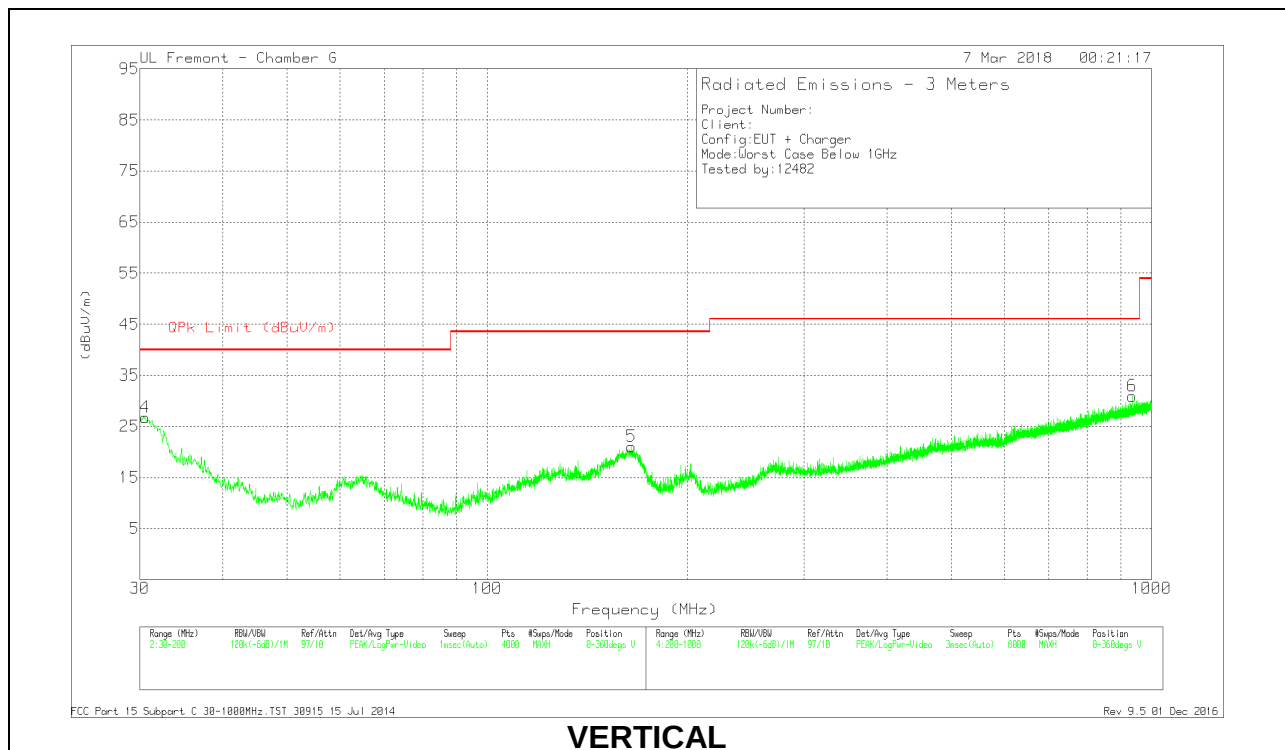
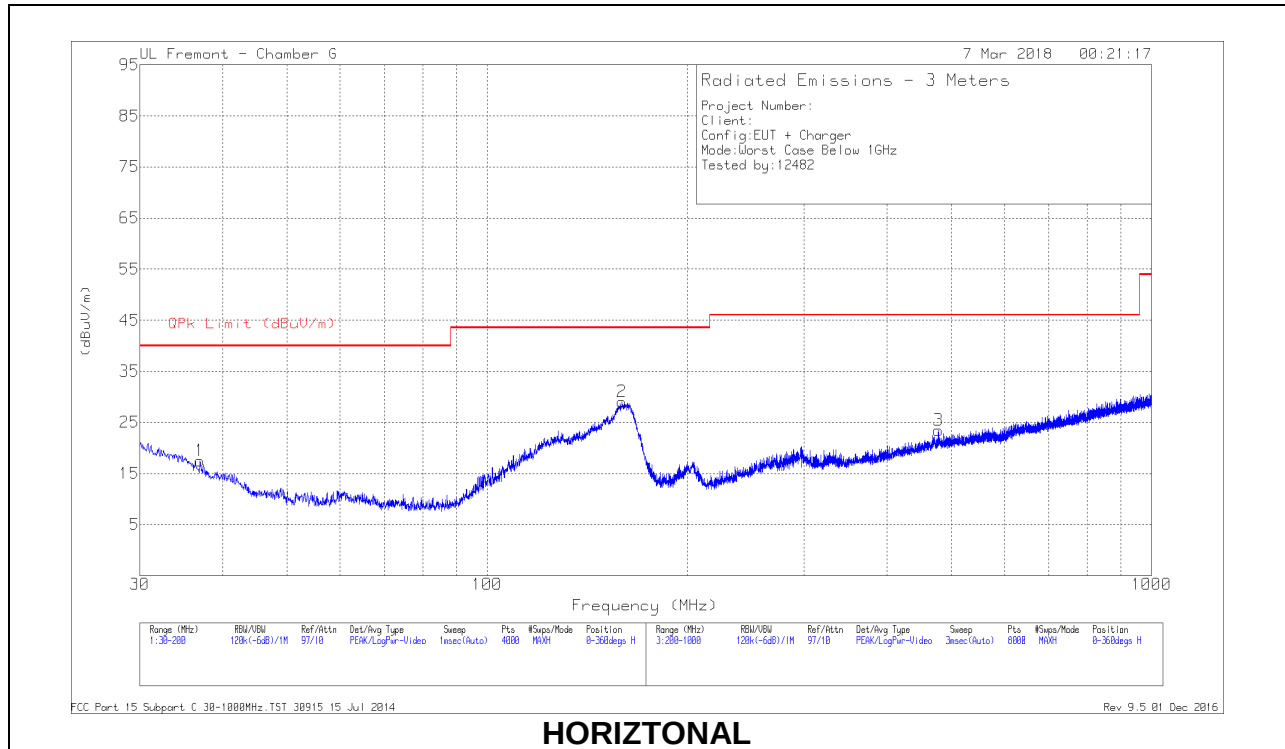
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (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	* 1.481	44.01	PK2	28.1	-25.1	47.01	-	-	74	-26.99	91	373	H
	* 1.483	31.73	MAv1	28.1	-25.1	34.73	54	-19.27	-	-	91	373	H
4	* 1.529	44	PK2	27.8	-25.1	46.7	-	-	74	-27.3	335	395	V
	* 1.527	31.8	MAv1	27.9	-25.1	34.6	54	-19.4	-	-	335	395	V
2	* 4.85	41.32	PK2	34.1	-32.2	43.22	-	-	74	-30.78	26	292	H
	* 4.848	29.76	MAv1	34.1	-32.2	31.66	54	-22.34	-	-	26	292	H
3	* 11.412	36.76	PK2	38.3	-26.2	48.86	-	-	74	-25.14	127	153	H
	* 11.409	25.28	MAv1	38.3	-26.2	37.38	54	-16.62	-	-	127	153	H
5	* 4.835	41.58	PK2	34.1	-32.2	43.48	-	-	74	-30.52	325	381	V
	* 4.835	29.96	MAv1	34.1	-32.2	31.86	54	-22.14	-	-	325	381	V
6	* 12.282	36.89	PK2	38.7	-25.1	50.49	-	-	74	-23.51	333	258	V
	* 12.279	24.77	MAv1	38.7	-25.2	38.27	54	-15.73	-	-	333	258	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)

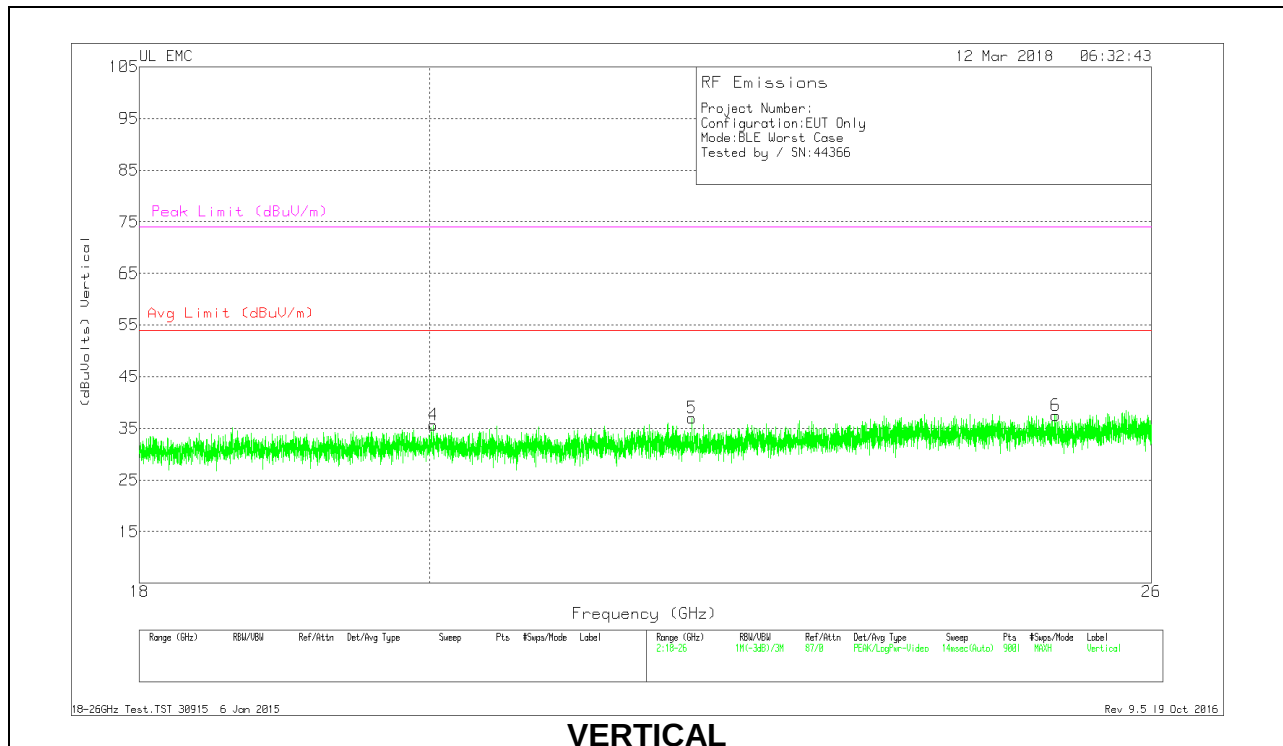
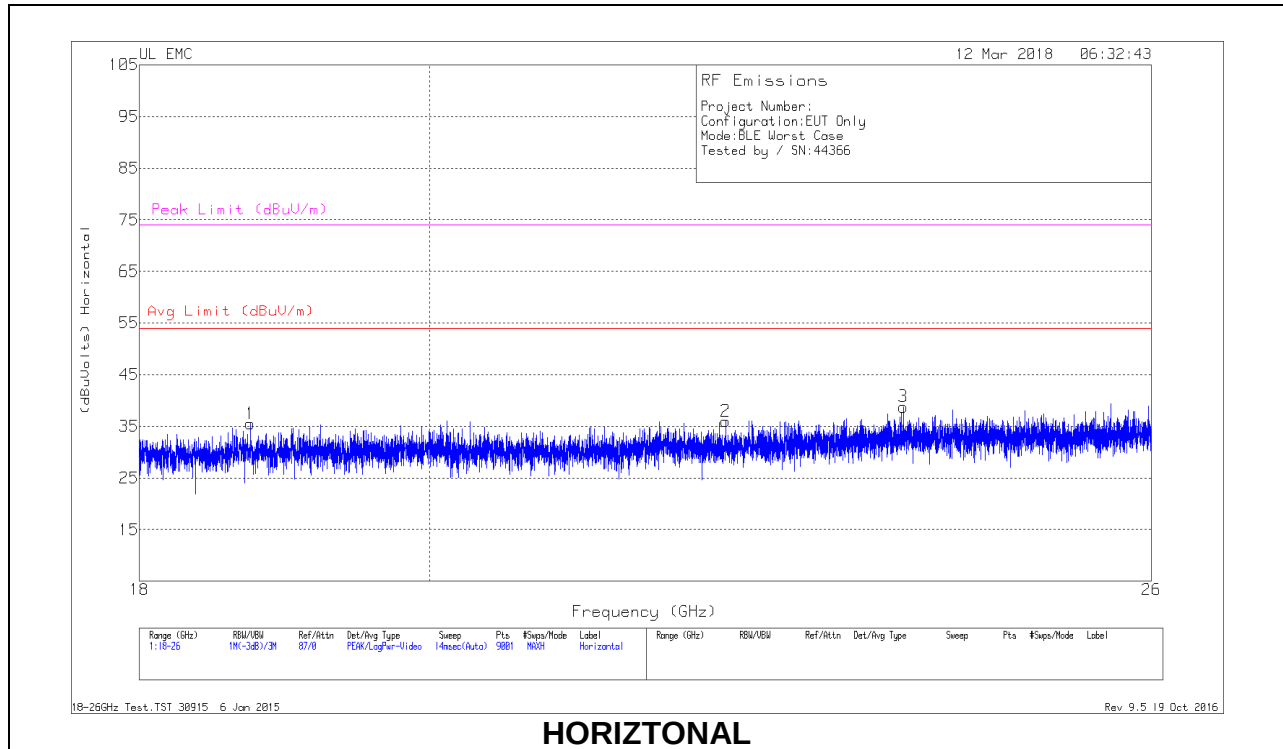


Below 1GHz Data

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T407 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	* 164.8874	35.06	Pk	15.9	-29.9	21.06	43.52	-22.46	0-360	100	V
4	30.5526	34.09	Pk	23.8	-31.2	26.69	40	-13.31	0-360	100	V
1	36.9718	29.07	Pk	19.5	-31.1	17.47	40	-22.53	0-360	99	H
2	159.4885	42.71	Pk	16.2	-29.9	29.01	43.52	-14.51	0-360	200	H
3	477.7361	29.8	Pk	21.6	-28	23.4	46.02	-22.62	0-360	100	H
6	935.9957	29.99	Pk	26.4	-25.5	30.89	46.02	-15.13	0-360	300	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	T89 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	18.74	37.03	Pk	32.6	-24.6	-9.5	35.53	54	-18.47	74	-38.47
2	22.273	37.39	Pk	32.8	-24.7	-9.5	35.99	54	-18.01	74	-38.01
3	23.757	38.66	Pk	33.8	-24.2	-9.5	38.76	54	-15.24	74	-35.24
4	20.028	37.32	Pk	33	-25.2	-9.5	35.62	54	-18.38	74	-38.38
5	22.002	38.5	Pk	33.2	-25.2	-9.5	37	54	-17	74	-37
6	25.111	37.58	Pk	33.9	-24.5	-9.5	37.48	54	-16.52	74	-36.52

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.

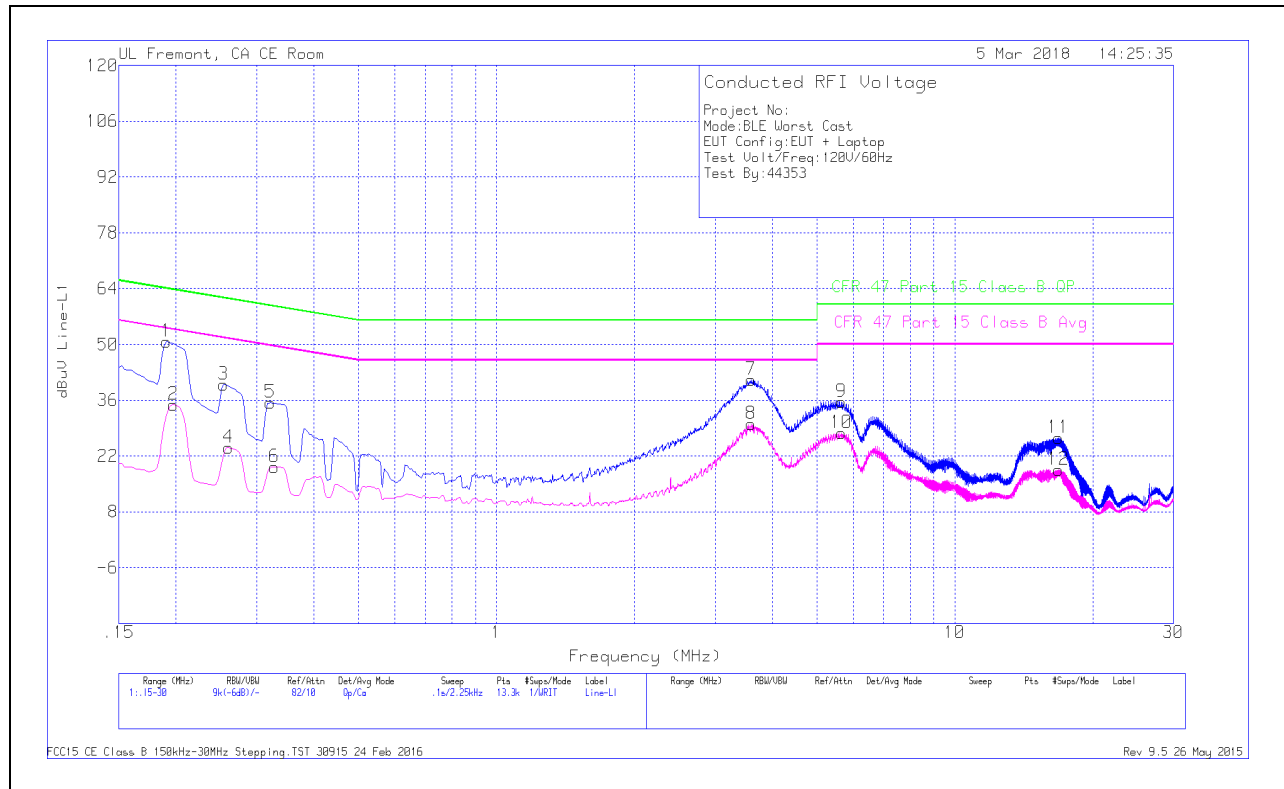
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

10.1.1. AC Power Line Host

LINE 1 RESULTS



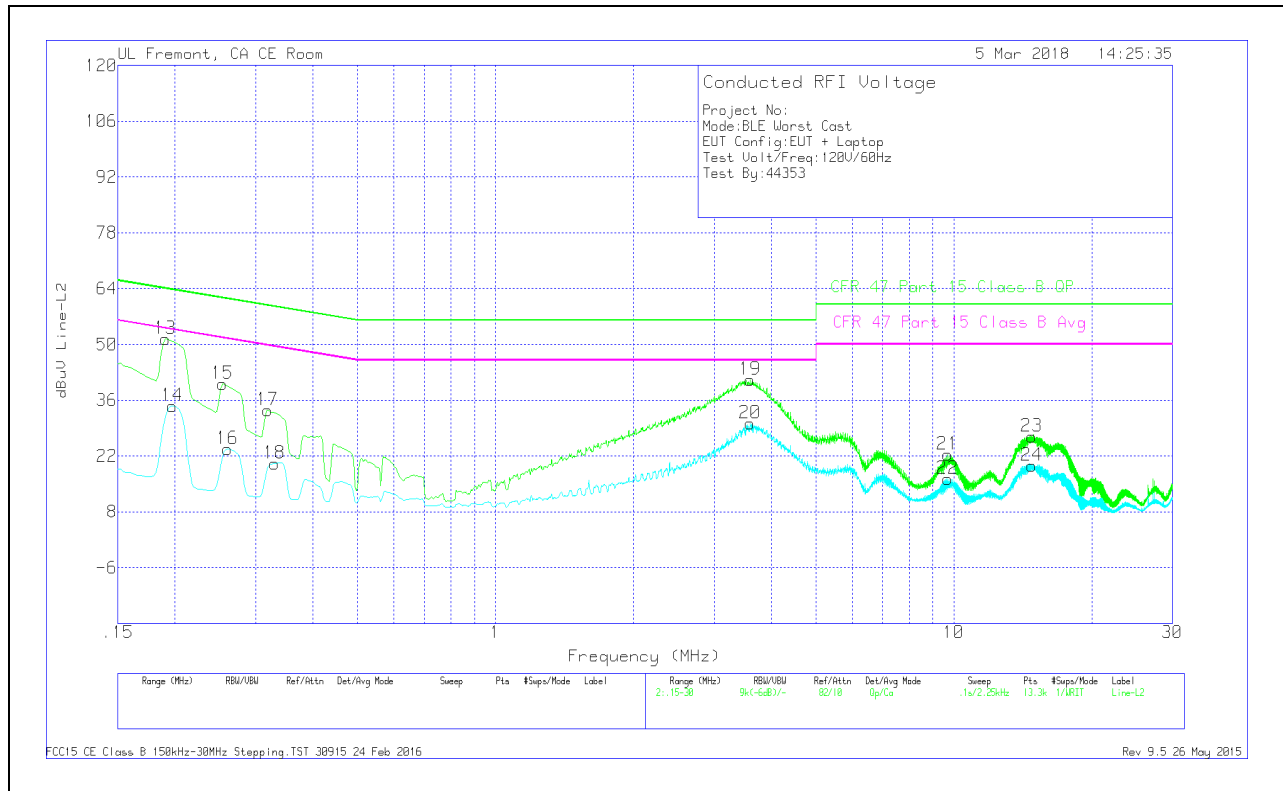
Range 1: Line-L1 .15 - 30MHz

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	.1905	40.57	Qp	0	0	10.1	50.67	64.01	-13.34	-	-
2	.19725	24.85	Ca	0	0	10.1	34.95	-	-	53.73	-18.78
3	.2535	29.8	Qp	0	0	10.1	39.9	61.64	-21.74	-	-
4	.26025	14.06	Ca	0	0	10.1	24.16	-	-	51.42	-27.26
5	.321	25.23	Qp	0	0	10.1	35.33	59.68	-24.35	-	-
6	.32775	9.19	Ca	0	0	10.1	19.29	-	-	49.51	-30.22
7	3.5925	31.01	Qp	0	.1	10.1	41.21	56	-14.79	-	-
8	3.5925	19.85	Ca	0	.1	10.1	30.05	-	-	46	-15.95
9	5.6535	25.19	Qp	0	.2	10.2	35.59	60	-24.41	-	-
10	5.6535	17.39	Ca	0	.2	10.2	27.79	-	-	50	-22.21
11	16.8315	15.89	Qp	0	.3	10.3	26.49	60	-33.51	-	-
12	16.8315	7.9	Ca	0	.3	10.3	18.5	-	-	50	-31.5

Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 2 RESULTS



Range 2: Line-L2 .15 - 30MHz

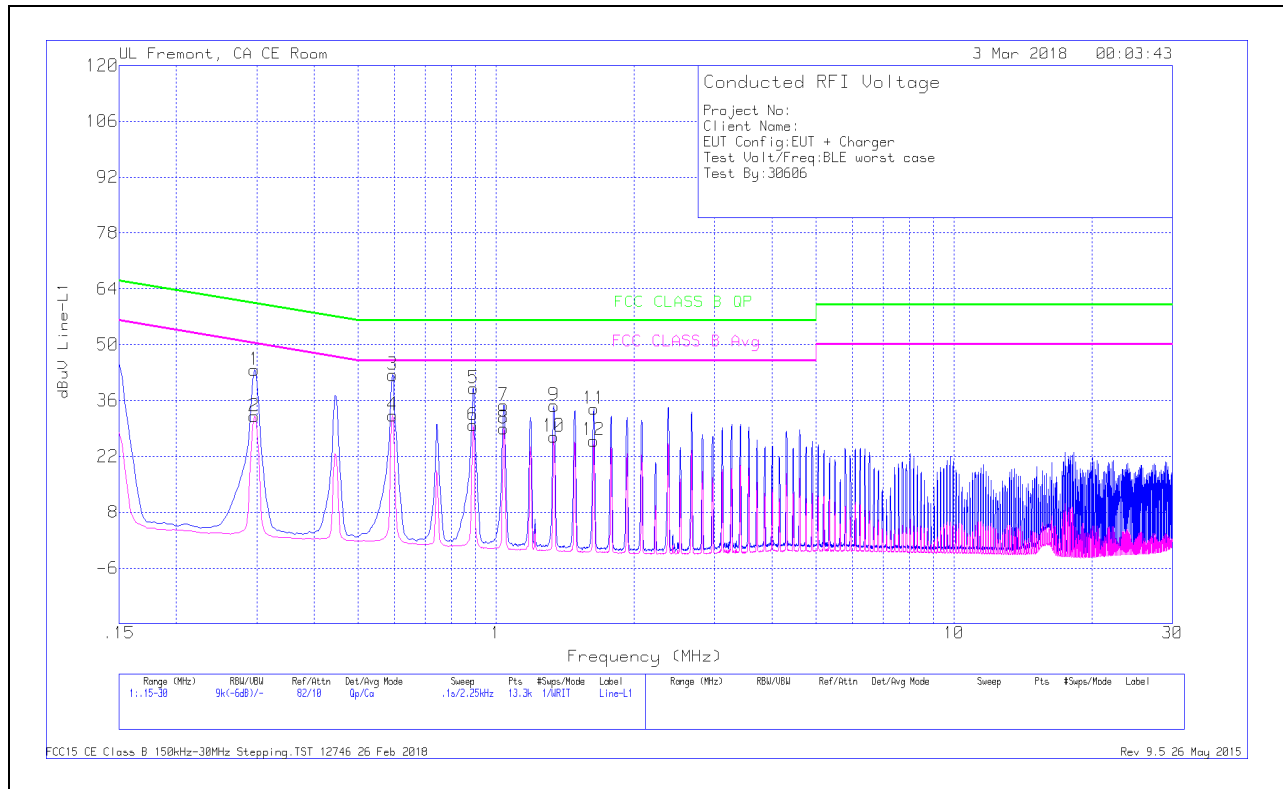
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L2	LC Cables C2&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
13	.1905	41.23	Qp	0	0	10.1	51.33	64.01	-12.68	-	-
14	.19725	24.48	Ca	0	0	10.1	34.58	-	-	53.73	-19.15
15	.2535	30.04	Qp	0	0	10.1	40.14	61.64	-21.5	-	-
16	.26025	13.62	Ca	0	0	10.1	23.72	-	-	51.42	-27.7
17	.31875	23.39	Qp	0	0	10.1	33.49	59.74	-26.25	-	-
18	.33	10.04	Ca	0	0	10.1	20.14	-	-	49.45	-29.31
19	3.5925	30.89	Qp	0	.1	10.1	41.09	56	-14.91	-	-
20	3.5925	19.99	Ca	0	.1	10.1	30.19	-	-	46	-15.81
21	9.70575	12.01	Qp	0	.2	10.2	22.41	60	-37.59	-	-
22	9.70125	5.9	Ca	0	.2	10.2	16.3	-	-	50	-33.7
23	14.802	16.26	Qp	.1	.3	10.2	26.86	60	-33.14	-	-
24	14.80425	9.03	Ca	.1	.3	10.2	19.63	-	-	50	-30.37

Qp - Quasi-Peak detector

Ca - CISPR average detection

10.1.2. AC Power Line Norm

LINE 1 RESULTS



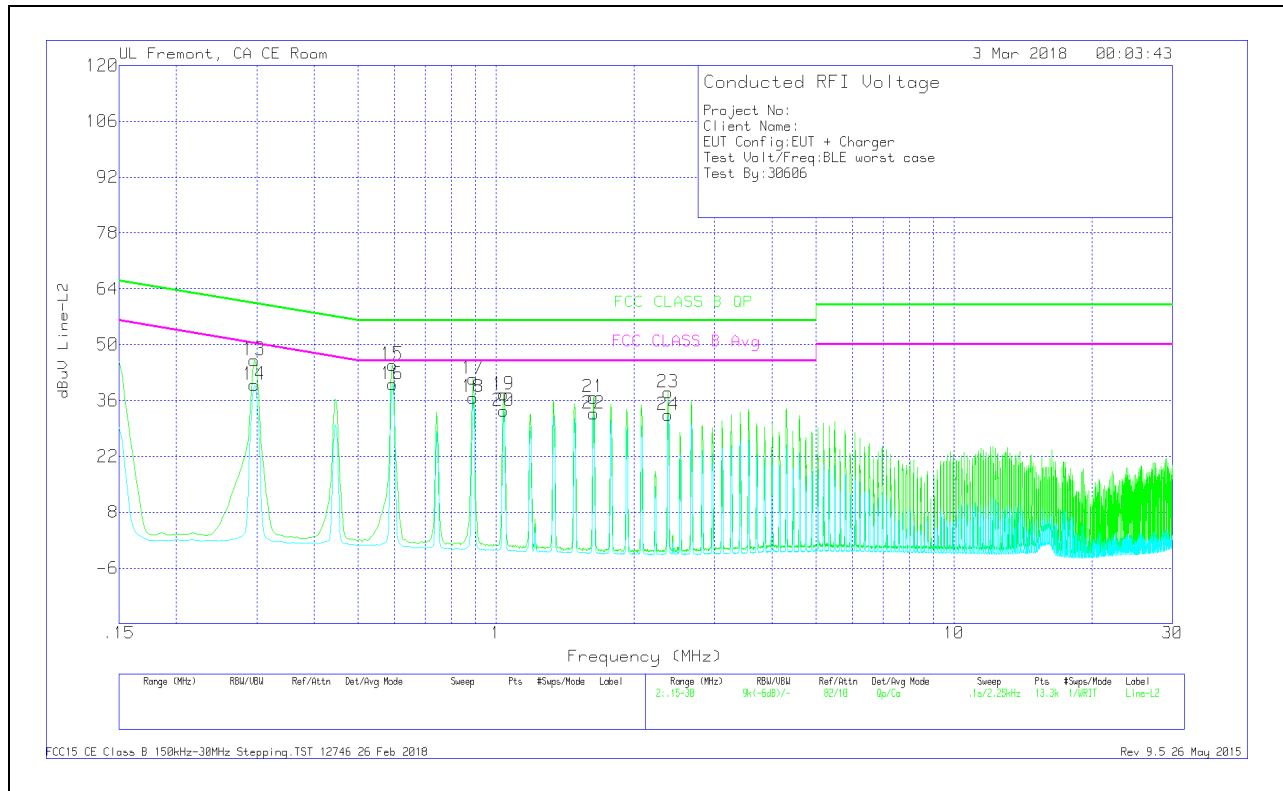
Range 1: Line-L1 .15 - 30MHz

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	.29625	43.65	Qp	0	0	43.65	60.35	-16.7	-	-
2	.29625	32.02	Ca	0	0	32.02	-	-	50.35	-18.33
3	.59325	42.42	Qp	0	0	42.42	56	-13.58	-	-
4	.59325	32.24	Ca	0	0	32.24	-	-	46	-13.76
5	.8925	39.04	Qp	0	0	39.04	56	-16.96	-	-
6	.89025	29.78	Ca	0	0	29.78	-	-	46	-16.22
7	1.03875	34.68	Qp	0	.1	34.78	56	-21.22	-	-
8	1.03875	28.9	Ca	0	.1	29	-	-	46	-17
9	1.338	34.61	Qp	0	.1	34.71	56	-21.29	-	-
10	1.33575	26.84	Ca	0	.1	26.94	-	-	46	-19.06
11	1.635	33.84	Qp	0	.1	33.94	56	-22.06	-	-
12	1.63275	25.88	Ca	0	.1	25.98	-	-	46	-20.02

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	.29625	46.13	Qp	0	0	46.13	60.35	-14.22	-	-
14	.29625	39.94	Ca	0	0	39.94	-	-	50.35	-10.41
15	.59325	44.92	Qp	0	0	44.92	56	-11.08	-	-
16	.59325	40.09	Ca	0	0	40.09	-	-	46	-5.91
17	.89025	41.5	Qp	0	0	41.5	56	-14.5	-	-
18	.89025	36.75	Ca	0	0	36.75	-	-	46	-9.25
19	1.03875	37.4	Qp	0	.1	37.5	56	-18.5	-	-
20	1.03875	33.32	Ca	0	.1	33.42	-	-	46	-12.58
21	1.6305	36.67	Qp	0	.1	36.77	56	-19.23	-	-
22	1.63275	32.62	Ca	0	.1	32.72	-	-	46	-13.28
23	2.373	37.94	Qp	0	.1	38.04	56	-17.96	-	-
24	2.37525	32.29	Ca	0	.1	32.39	-	-	46	-13.61

Qp - Quasi-Peak detector

Ca - CISPR average detection

BT_EUT with Laptop_Worst Case.DAT 30915 24 Feb 2016

Rev 9.5 26 May 2015

END OF REPORT

11. SETUP PHOTOS

Please refer to 12204447-EP1V1 for setup photos