

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.

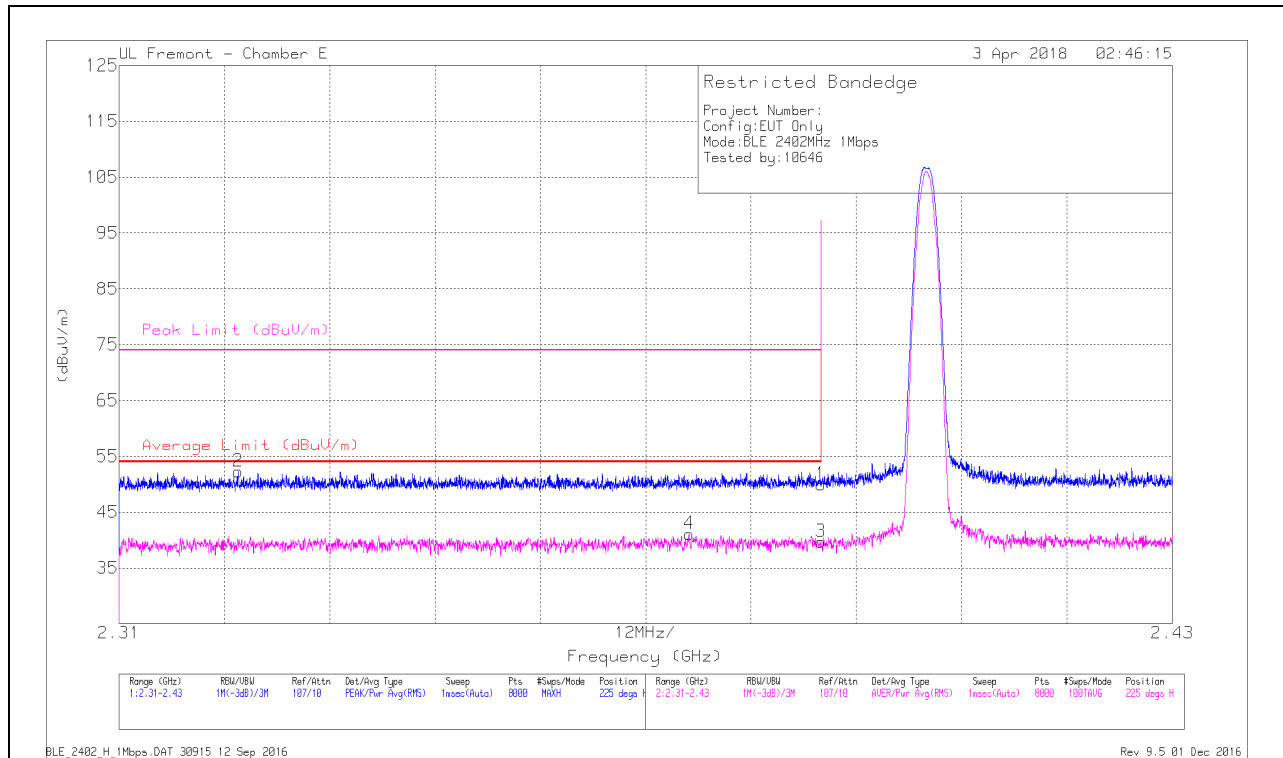
9.2.TRANSMITTER ABOVE 1 GHz

9.2.1. HIGH POWER BLE (1Mbps)

Antenna 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



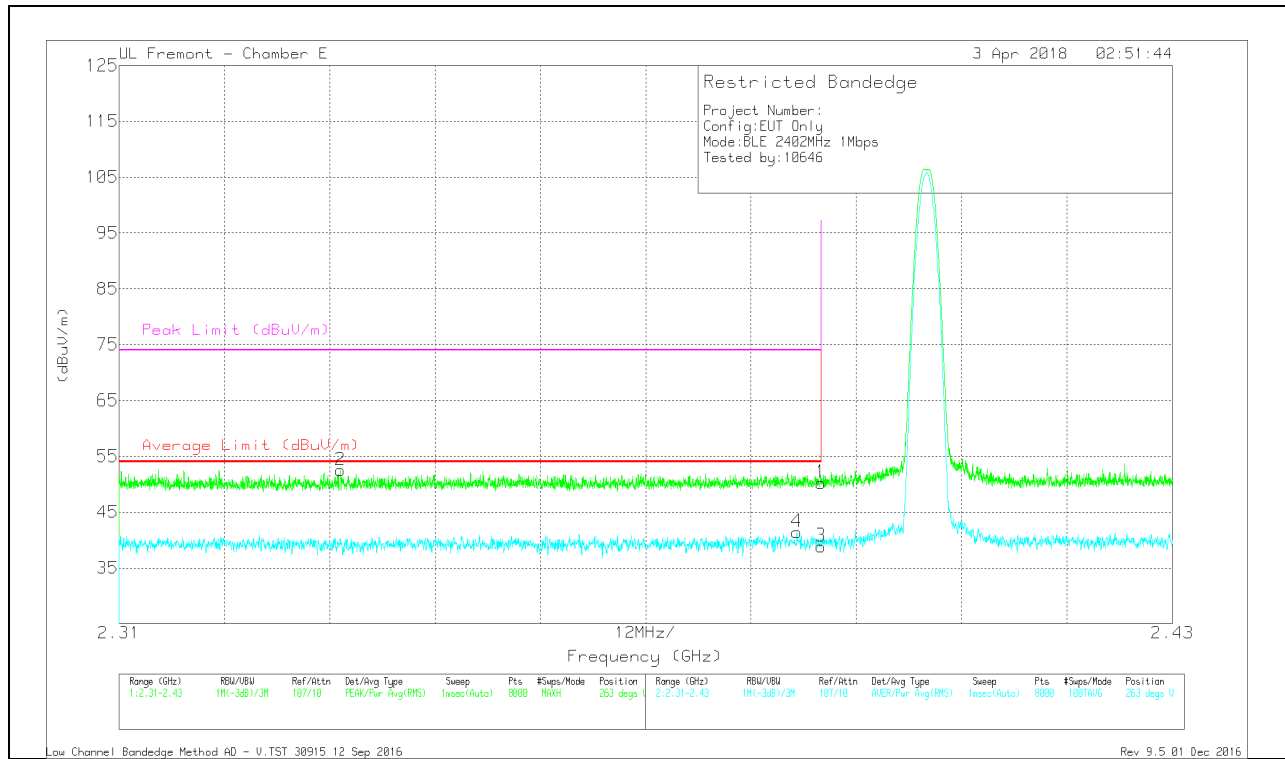
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.324	43.15	Pk	31.8	-22.7	52.25	-	-	74	-21.75	225	136	H
4	* 2.375	31.87	RMS	31.9	-22.7	41.07	54	-12.93	-	-	225	136	H
1	* 2.39	40.53	Pk	32	-22.6	49.93	-	-	74	-24.07	225	136	H
3	* 2.39	30.31	RMS	32	-22.6	39.71	54	-14.29	-	-	225	136	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	40.84	Pk	32	-22.6	50.24	-	-	74	-23.76	263	180	V
2	* 2.335	43.41	Pk	31.8	-22.7	52.51	-	-	74	-21.49	263	180	V
3	* 2.39	29.47	RMS	32	-22.6	38.87	54	-15.13	-	-	263	180	V
4	* 2.387	32.14	RMS	31.9	-22.6	41.44	54	-12.56	-	-	263	180	V

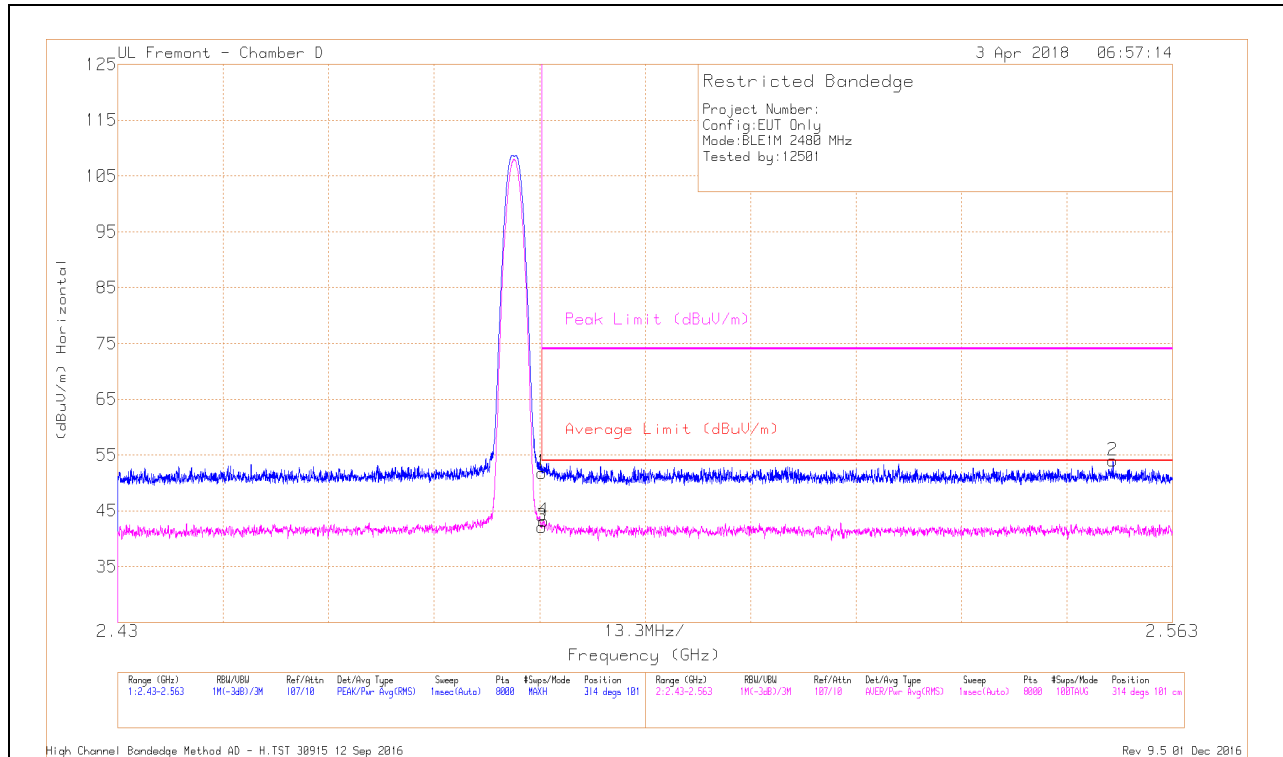
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Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

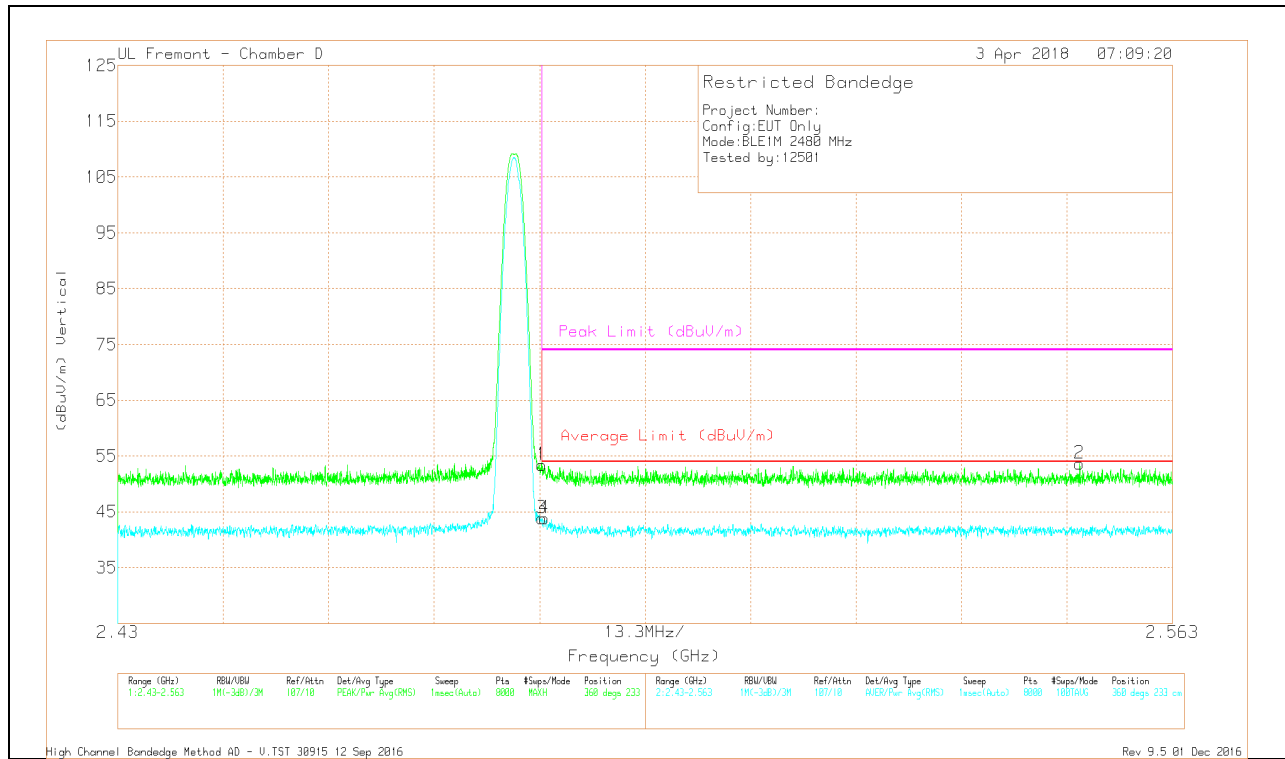
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	39.84	Pk	32.4	-20.4	51.84	-	-	74	-22.16	314	101	H
3	* 2.484	30.16	RMS	32.4	-20.4	42.16	54	-11.84	-	-	314	101	H
4	* 2.484	31.3	RMS	32.4	-20.5	43.2	54	-10.8	-	-	314	101	H
2	2.556	41.86	Pk	32.5	-20.3	54.06	-	-	74	-19.94	314	101	H

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

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	41.38	Pk	32.4	-20.4	53.38	-	-	74	-20.62	360	233	V
3	* 2.484	31.85	RMS	32.4	-20.4	43.85	54	-10.15	-	-	360	233	V
4	* 2.484	31.98	RMS	32.4	-20.5	43.88	54	-10.12	-	-	360	233	V
2	2.551	41.67	Pk	32.4	-20.4	53.67	-	-	74	-20.33	360	233	V

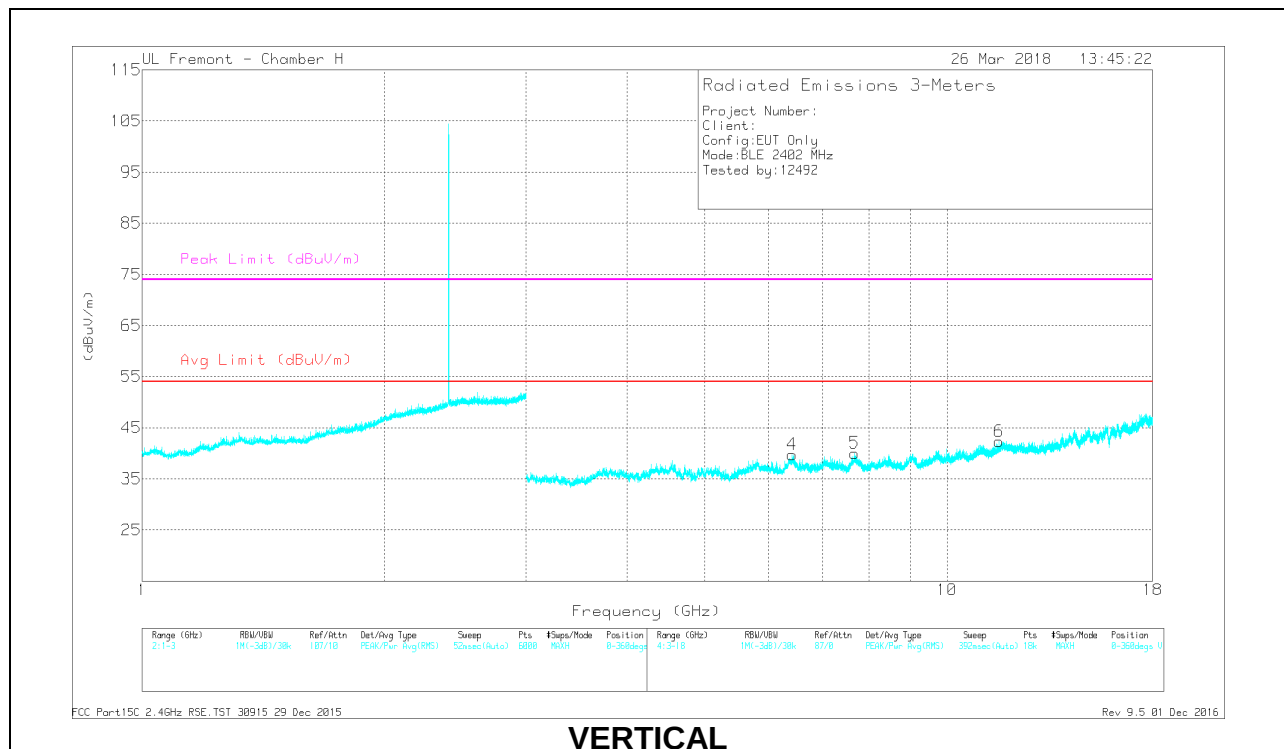
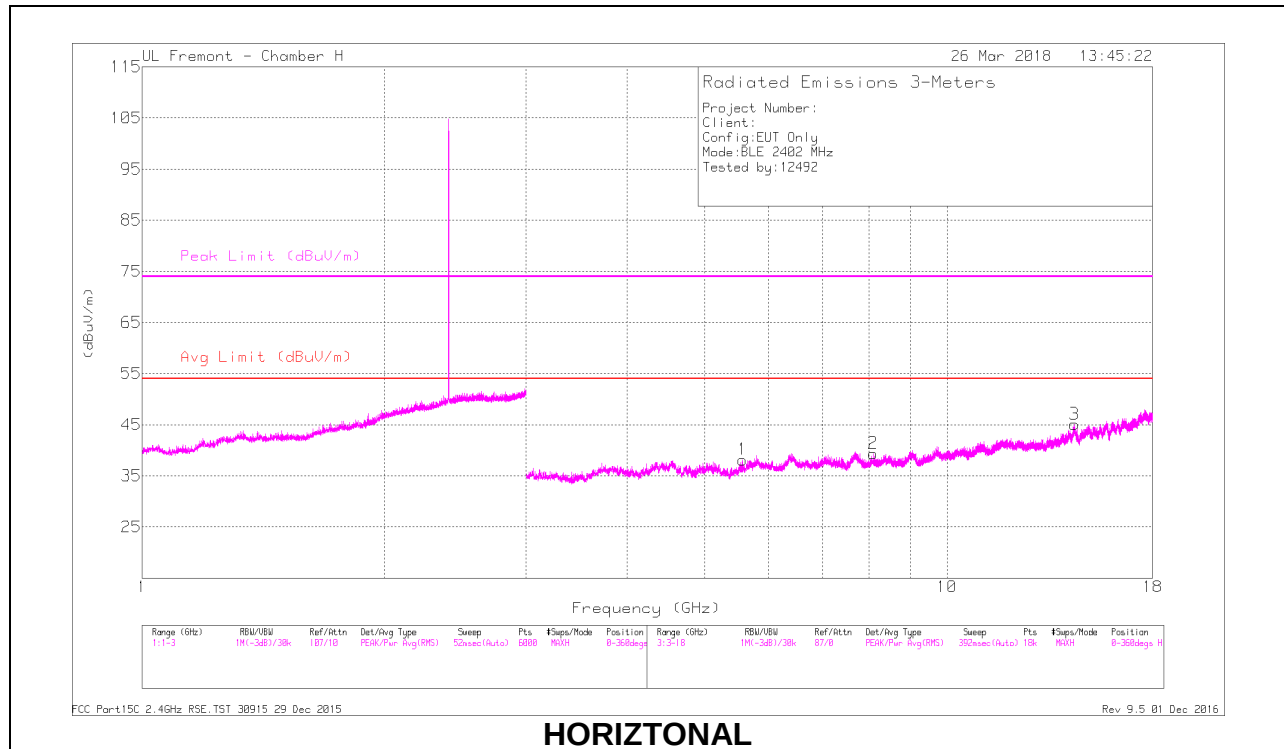
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

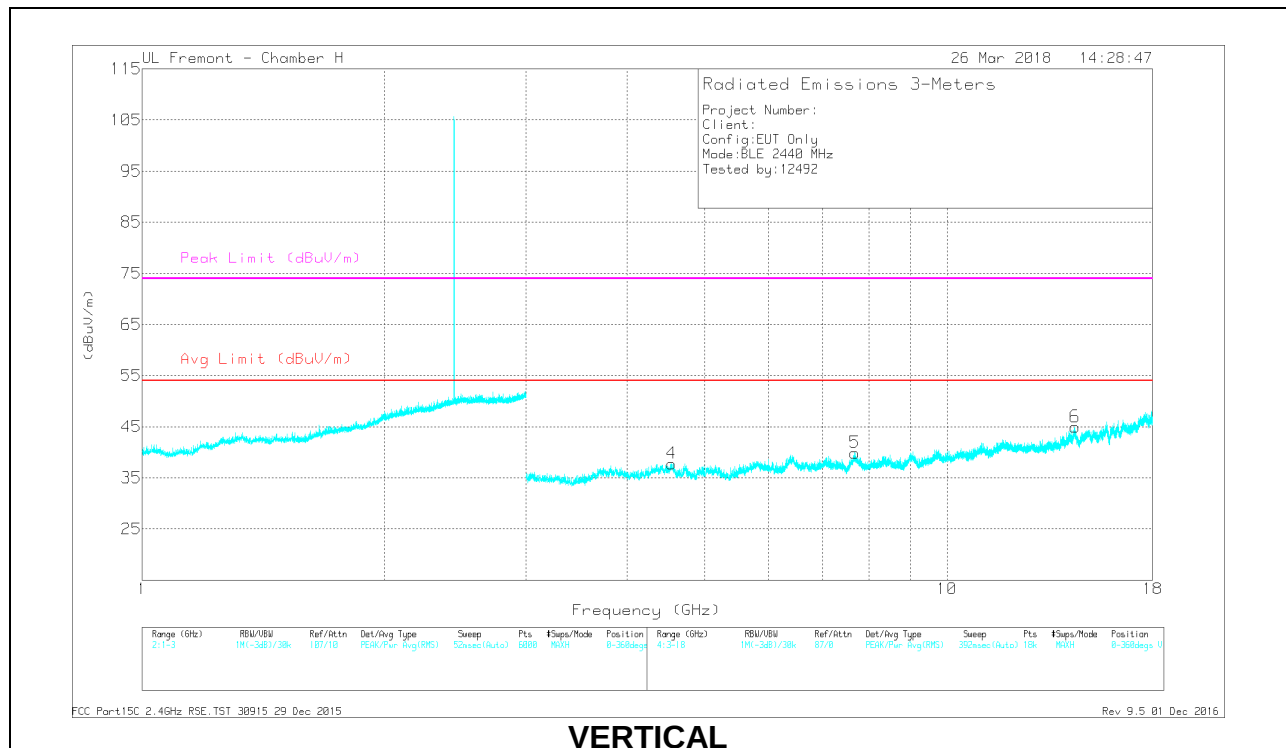
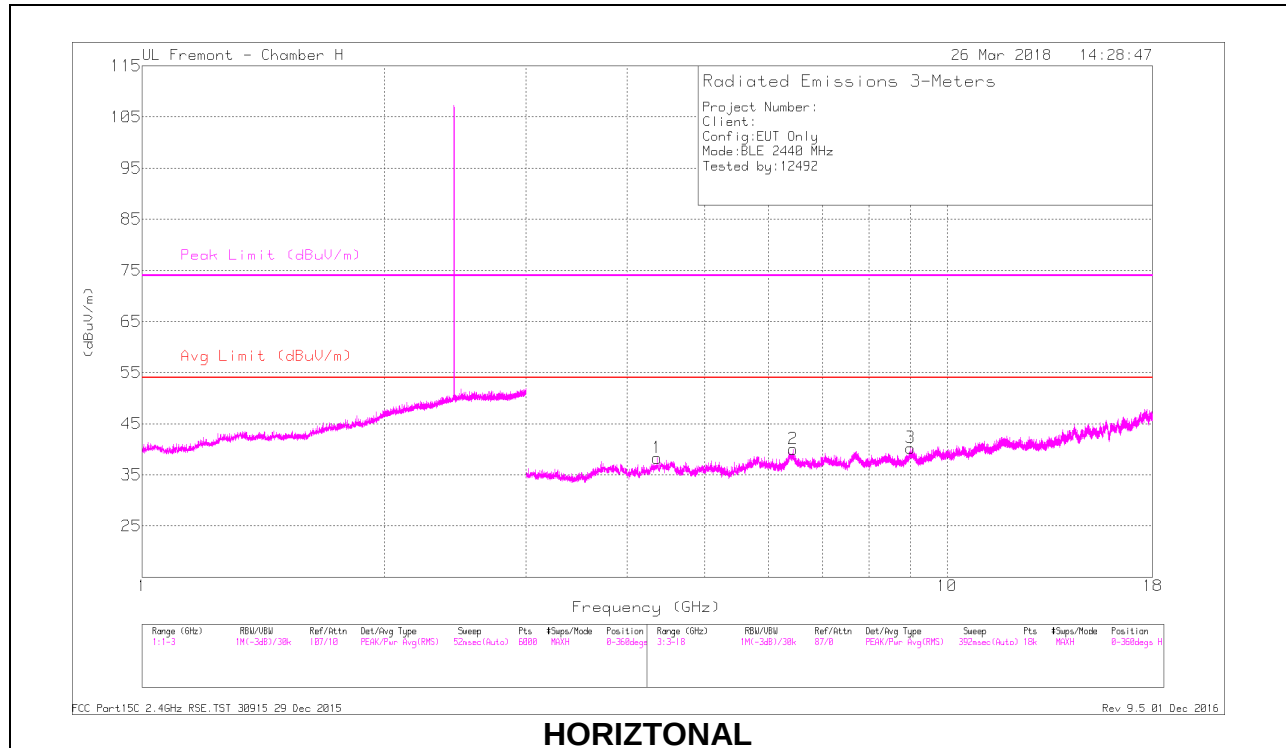
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 8.1	39.78	PK2	36.2	-29.9	46.08	-	-	74	-27.92	207	220	H
	* 8.1	27.46	MAv1	36.2	-29.9	33.76	54	-20.24	-	-	207	220	H
5	* 7.679	39.53	PK2	36.2	-29.6	46.13	-	-	74	-27.87	247	272	V
	* 7.677	27.97	MAv1	36.2	-29.5	34.67	54	-19.33	-	-	247	272	V
6	* 11.595	36.14	PK2	38.3	-26	48.44	-	-	74	-25.56	172	313	V
	* 11.598	24.63	MAv1	38.3	-26	36.93	54	-17.07	-	-	172	313	V
1	5.574	42.31	PK2	34.8	-33	44.11	-	-	-	-	1	361	H
4	6.422	41.13	PK2	35.5	-30.8	45.83	-	-	-	-	57	163	V
3	14.399	34.68	PK2	40.7	-23.9	51.48	-	-	-	-	16	134	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

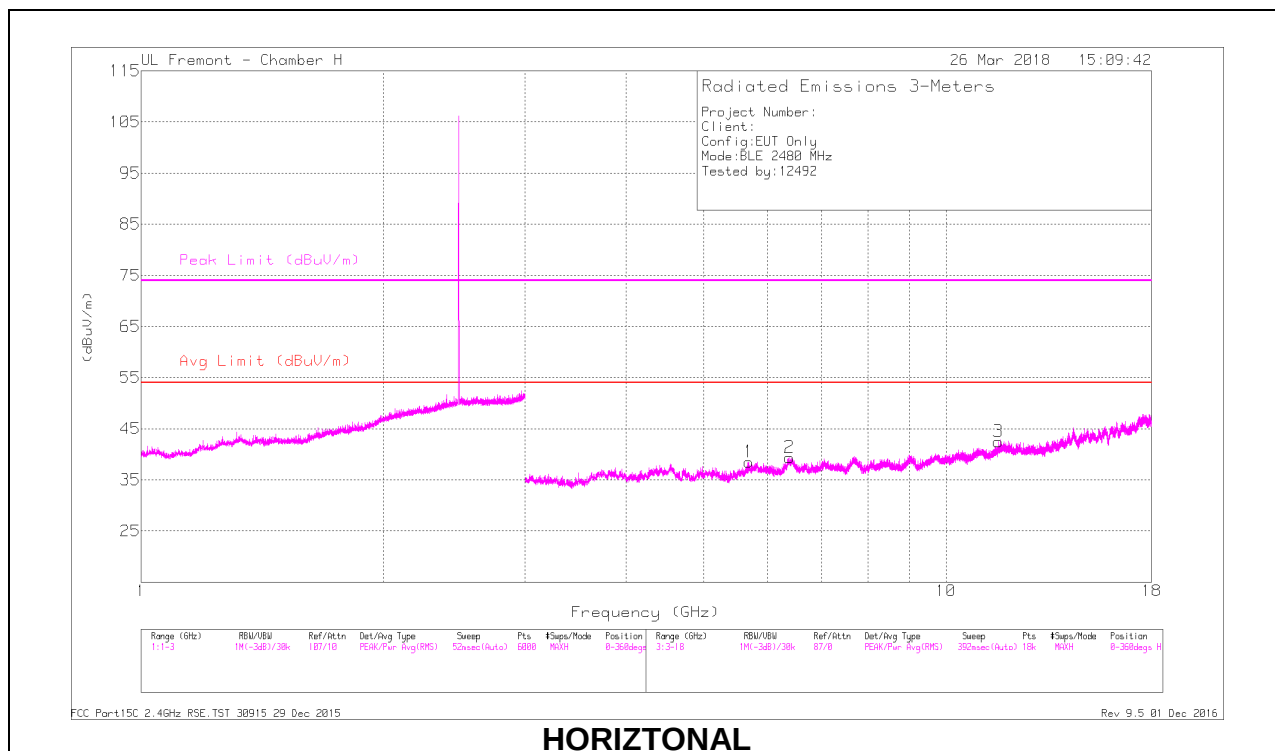
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.364	44.24	PK2	33.9	-34.1	44.04	-	-	74	-29.96	8	100	H
	* 4.363	32.65	MAv1	33.9	-34.1	32.45	54	-21.55	-	-	8	100	H
3	* 9.01	38.22	PK2	36.5	-28.4	46.32	-	-	74	-27.68	70	266	H
	* 9.01	26.53	MAv1	36.5	-28.4	34.63	54	-19.37	-	-	70	266	H
4	* 4.548	44.54	PK2	34.3	-34.7	44.14	-	-	74	-29.86	178	100	V
	* 4.546	33.33	MAv1	34.3	-34.7	32.93	54	-21.07	-	-	178	100	V
5	* 7.683	40.04	PK2	36.2	-29.6	46.64	-	-	74	-27.36	318	182	V
	* 7.681	27.86	MAv1	36.2	-29.6	34.46	54	-19.54	-	-	318	182	V
2	6.437	40.81	PK2	35.5	-30.6	45.71	-	-	-	-	204	381	H
6	14.423	35.48	PK2	40.5	-24.4	51.58	-	-	-	-	141	302	V

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

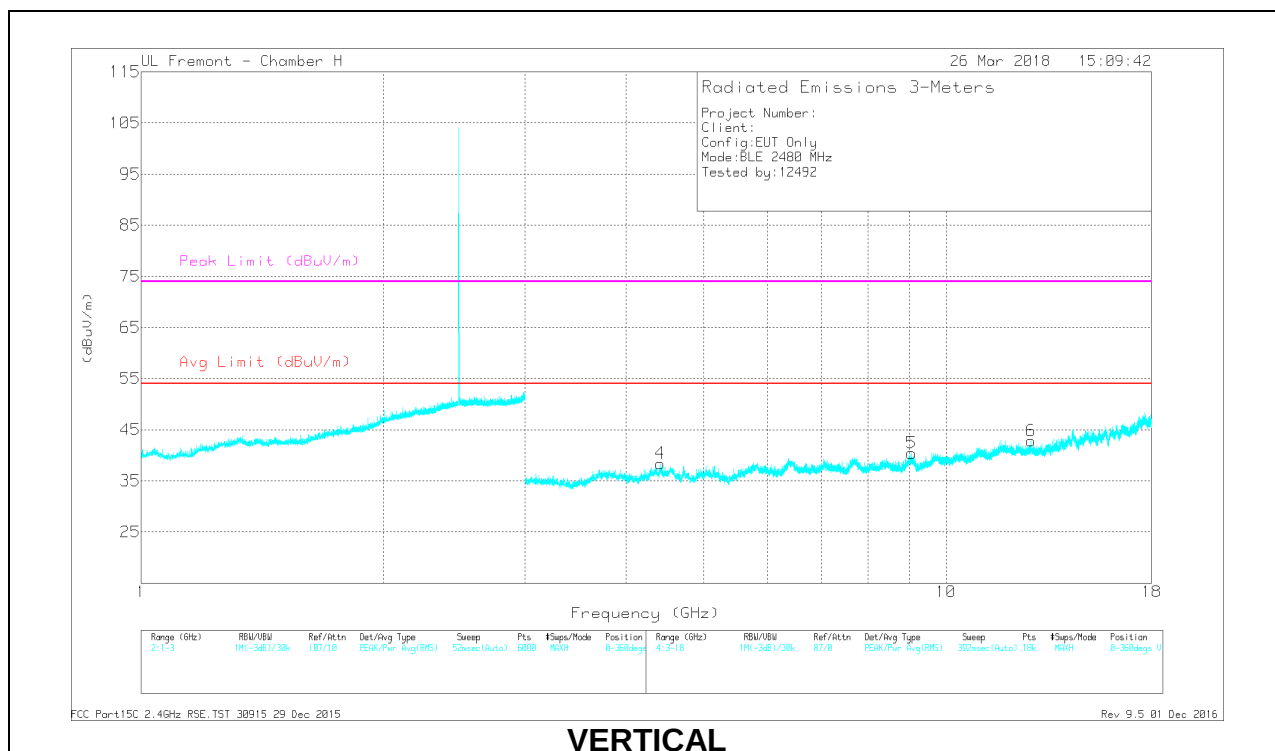
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (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	* 11.615	35.86	PK2	38.4	-25.9	48.36	-	-	74	-25.64	293	147	H
	* 11.614	24.48	MAv1	38.4	-25.9	36.98	54	-17.02	-	-	293	147	H
5	* 9.06	37.94	PK2	36.6	-28.3	46.24	-	-	74	-27.76	315	275	V
	* 9.06	26.31	MAv1	36.6	-28.3	34.61	54	-19.39	-	-	315	275	V
4	4.413	44.33	PK2	34.1	-33.9	44.53	-	-	-	-	131	134	V
1	5.687	42.72	PK2	35	-32.9	44.82	-	-	-	-	278	353	H
2	6.387	41.04	PK2	35.5	-30.7	45.84	-	-	-	-	145	379	H
6	12.763	36.33	PK2	39.3	-25.9	49.73	-	-	-	-	228	342	V

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

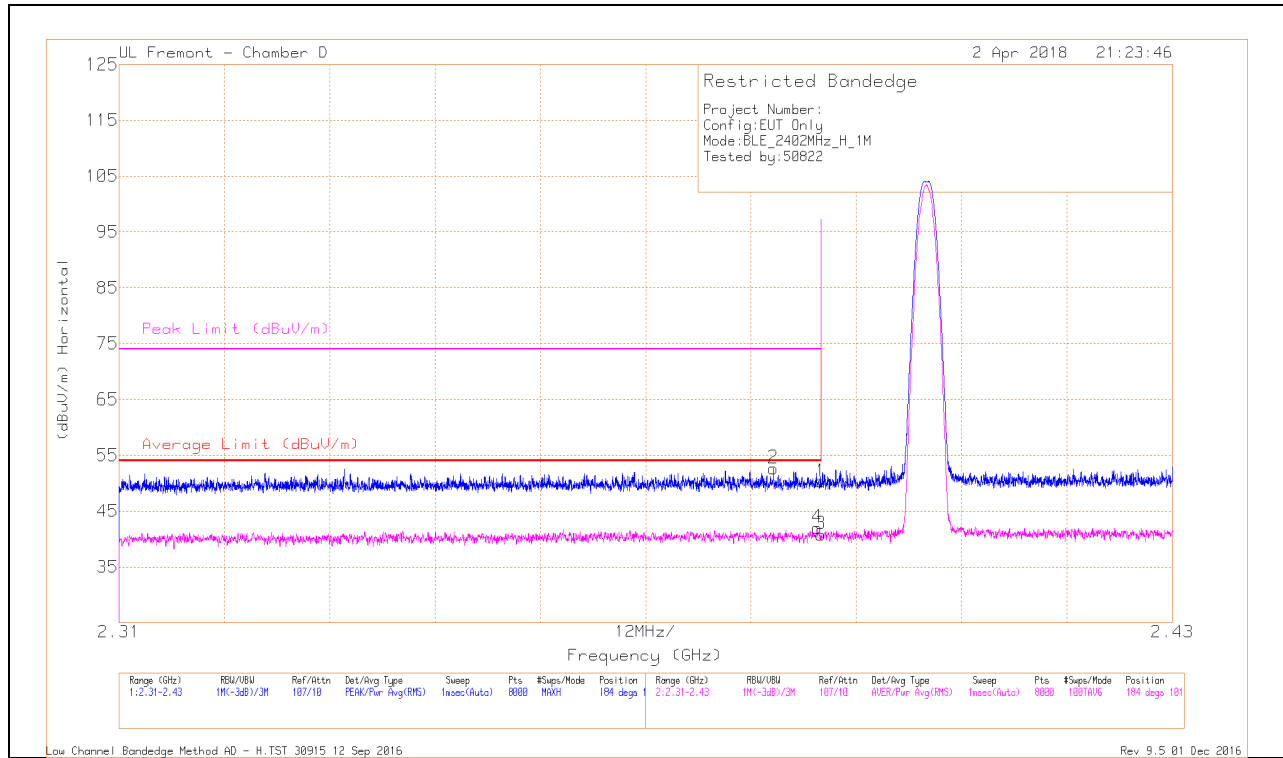
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

Antenna 3

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



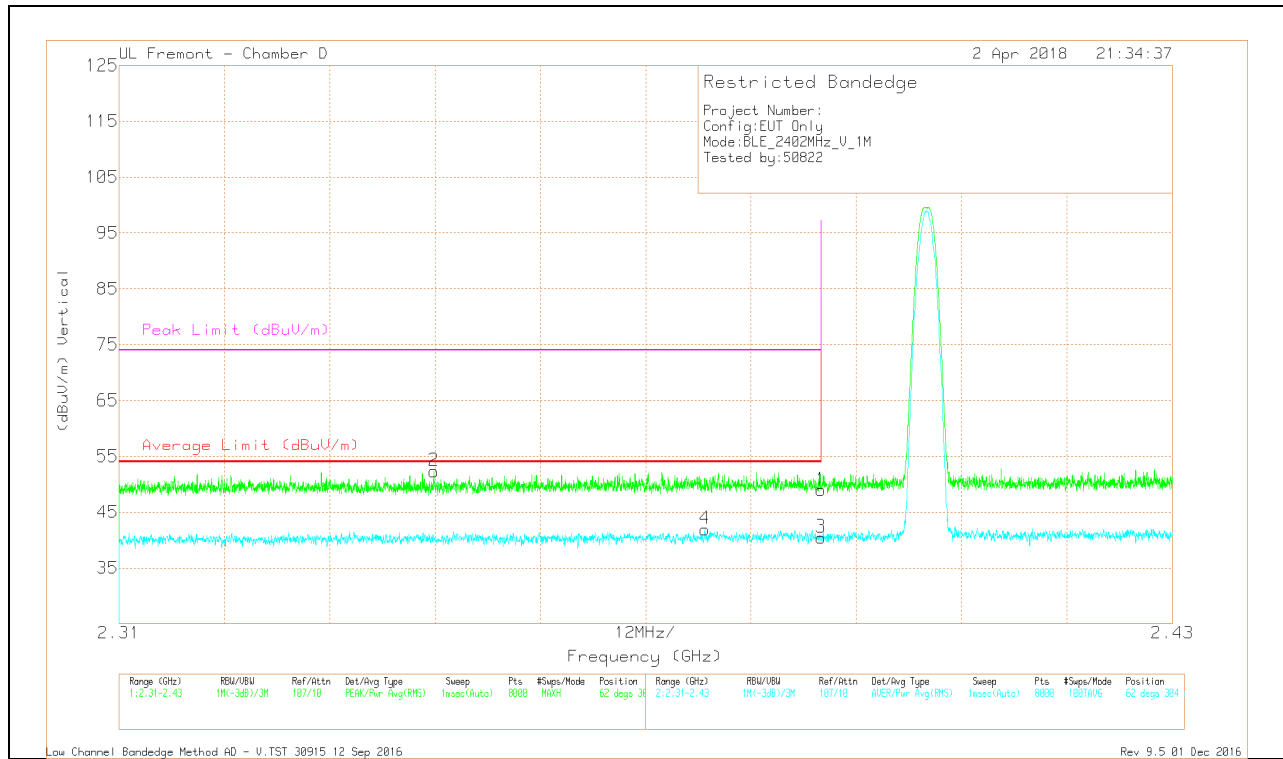
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.385	41.28	Pk	31.9	-20.5	52.68	-	-	74	-21.32	184	101	H
1	* 2.39	38.9	Pk	31.9	-20.5	50.3	-	-	74	-23.7	184	101	H
3	* 2.39	29.46	RMS	31.9	-20.5	40.86	54	-13.14	-	-	184	101	H
4	* 2.39	30.65	RMS	31.9	-20.5	42.05	54	-11.95	-	-	184	101	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	37.55	Pk	31.9	-20.5	48.95	-	-	74	-25.05	62	304	V
2	* 2.346	41.35	Pk	31.6	-20.6	52.35	-	-	74	-21.65	62	304	V
3	* 2.39	29.07	RMS	31.9	-20.5	40.47	54	-13.53	-	-	62	304	V
4	* 2.377	30.56	RMS	31.8	-20.4	41.96	54	-12.04	-	-	62	304	V

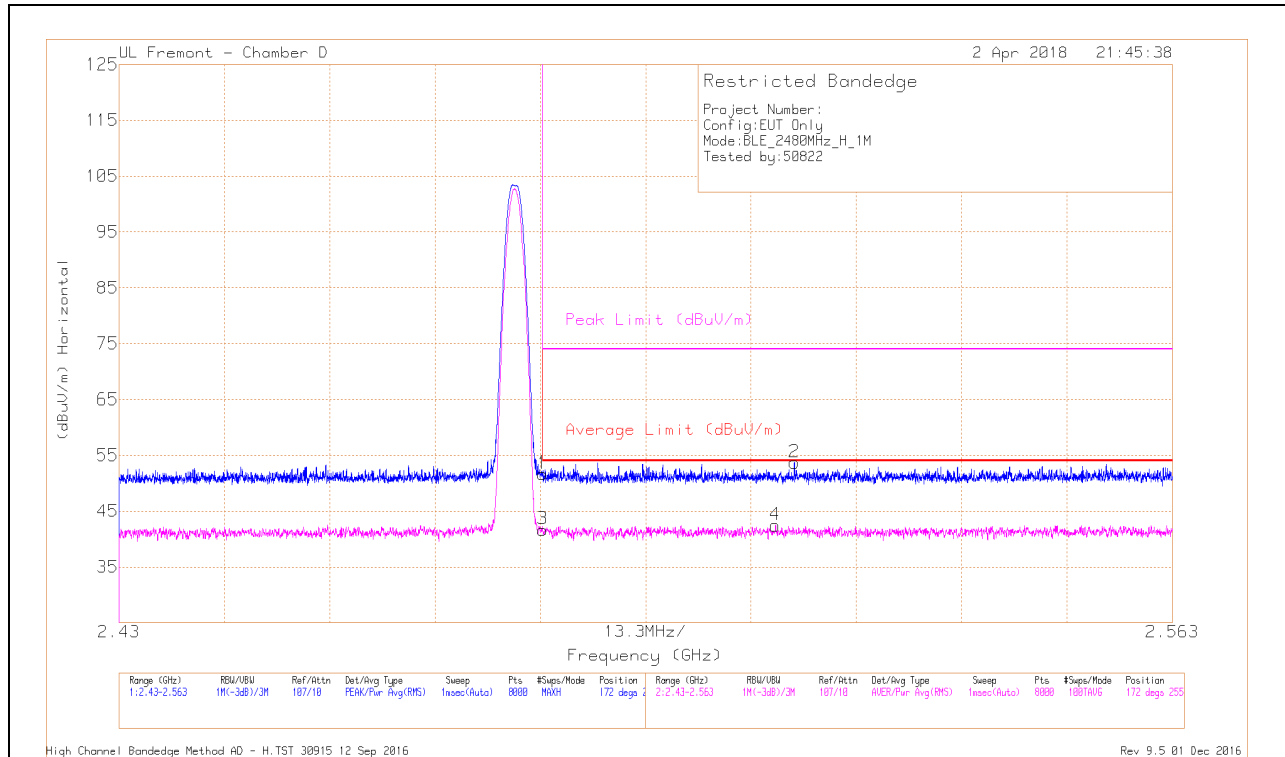
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



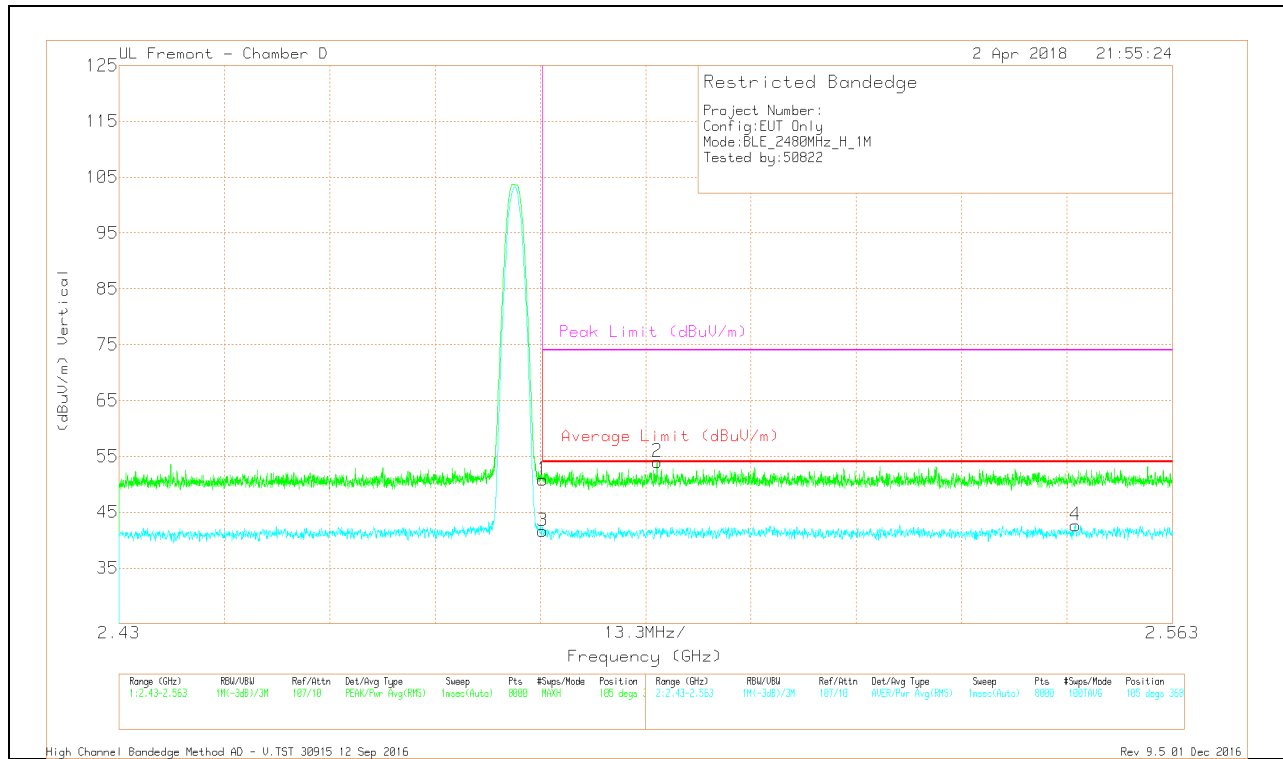
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1	* 2.484	39.69	Pk	32.4	-20.4	51.69	-	-	74	-22.31	172	255	H
3	* 2.484	29.71	RMS	32.4	-20.4	41.71	54	-12.29	-	-	172	255	H
4	2.513	30.36	RMS	32.4	-20.3	42.46	54	-11.54	-	-	172	255	H
2	2.515	41.61	Pk	32.4	-20.3	53.71	-	-	74	-20.29	172	255	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	38.85	Pk	32.4	-20.4	50.85	-	-	74	-23.15	105	368	V
2	* 2.498	42.03	Pk	32.4	-20.4	54.03	-	-	74	-19.97	105	368	V
3	* 2.484	29.63	RMS	32.4	-20.4	41.63	54	-12.37	-	-	105	368	V
4	2.551	30.66	RMS	32.4	-20.4	42.66	54	-11.34	-	-	105	368	V

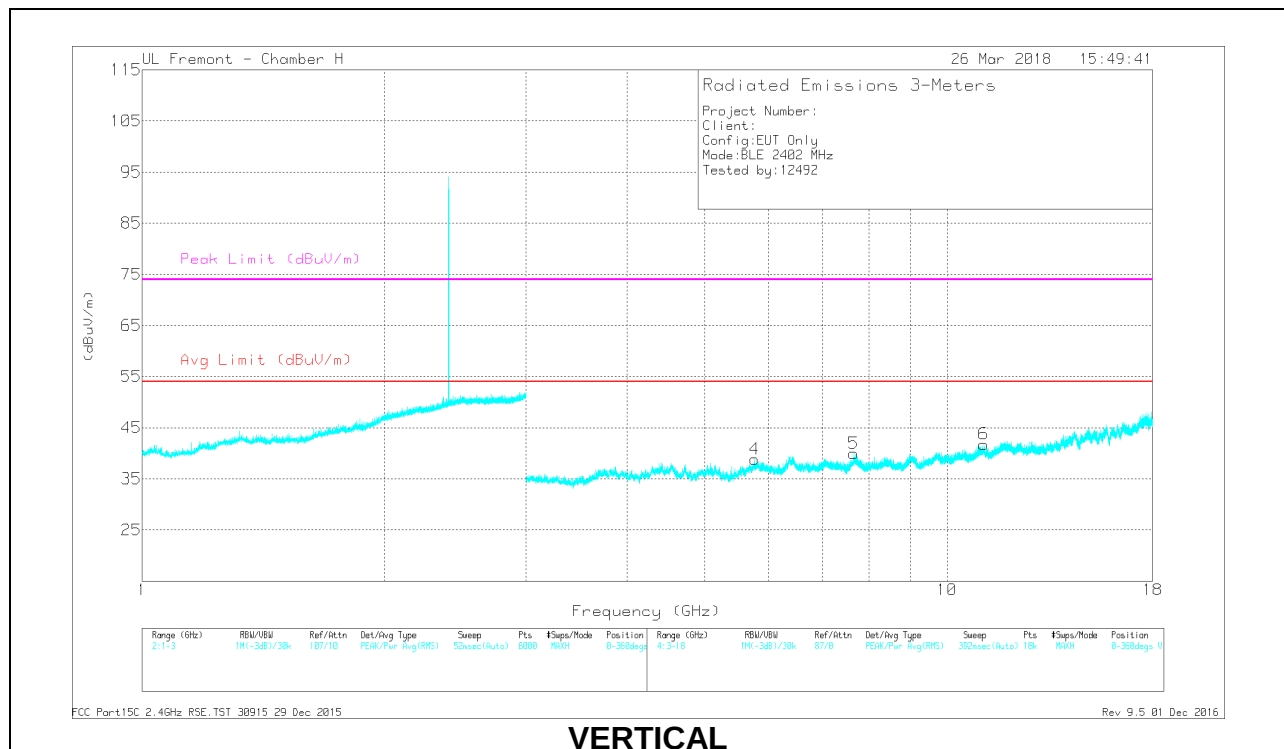
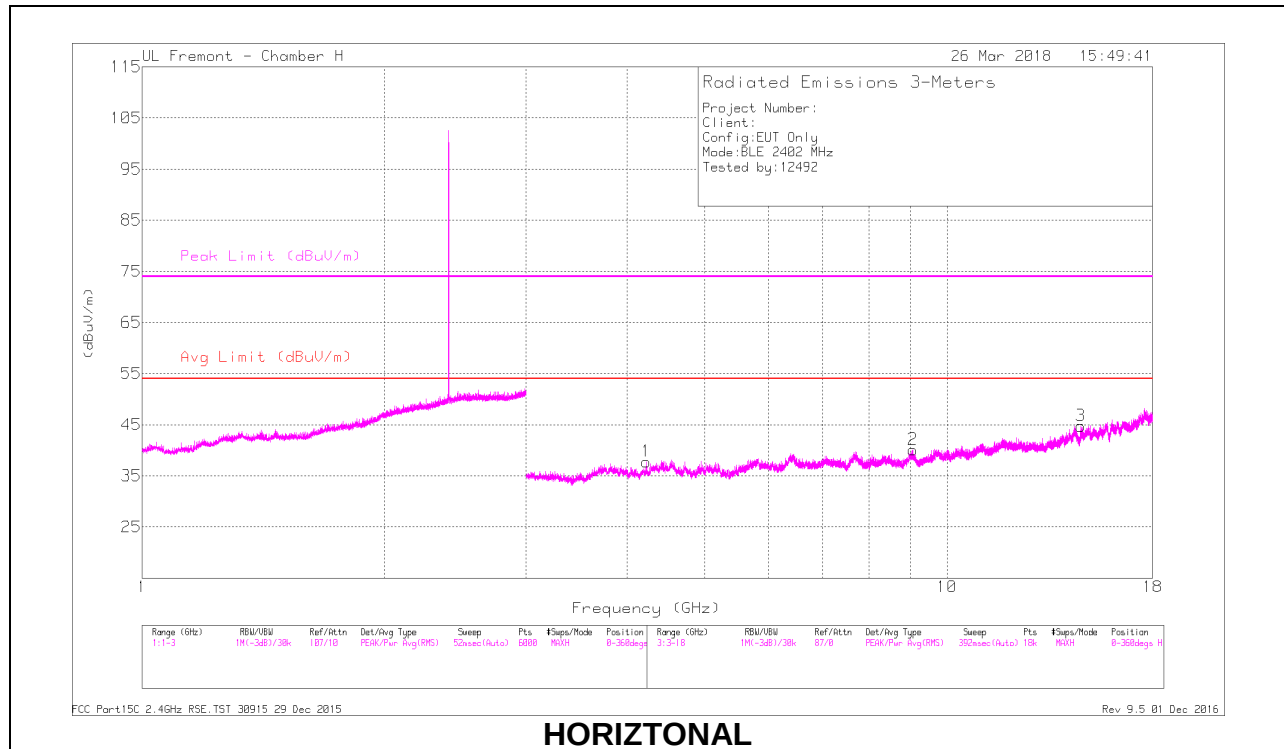
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

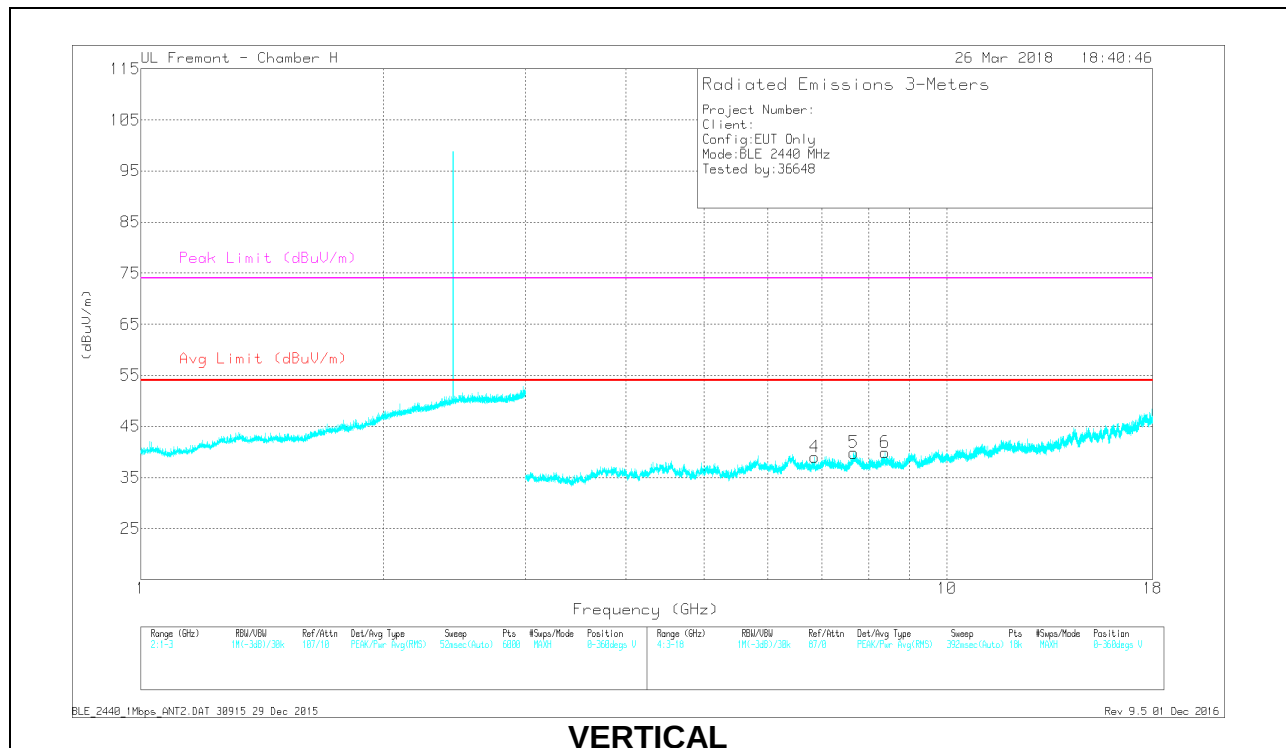
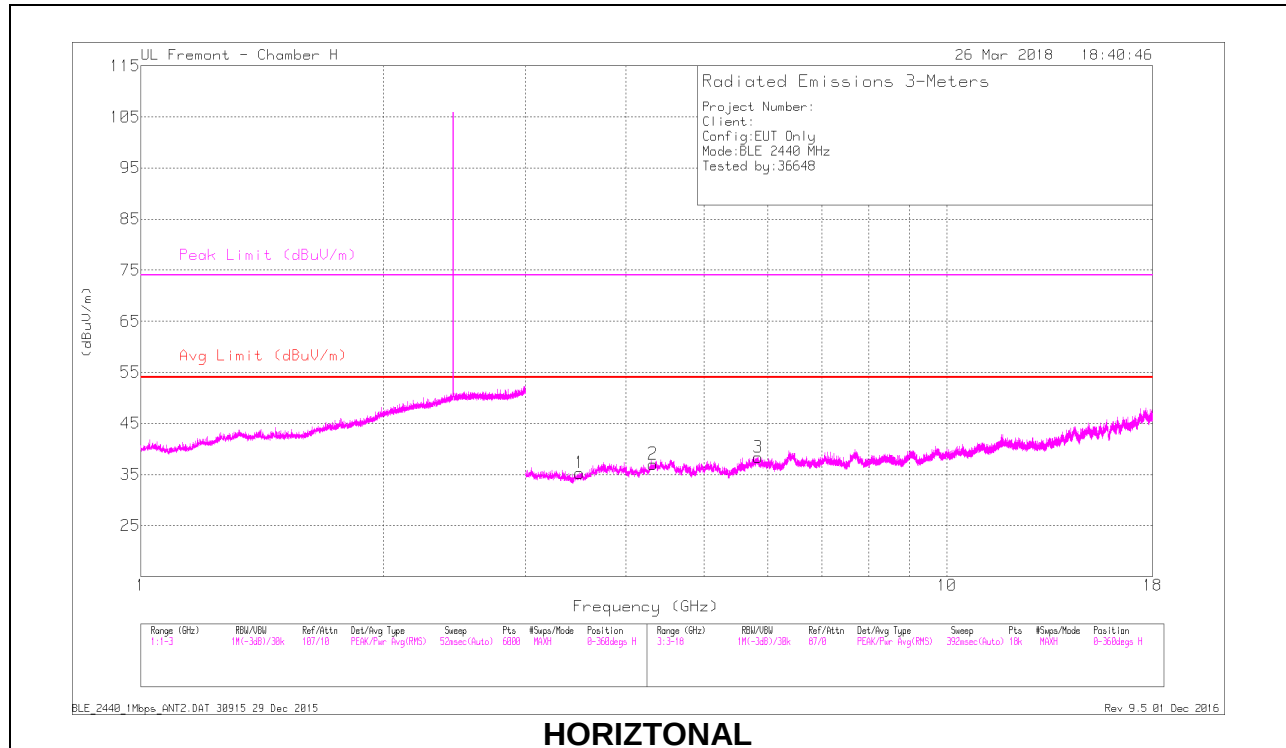
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.234	44.73	PK2	33.5	-35	43.23	-	-	74	-30.77	252	151	H
	* 4.231	33.14	MAv1	33.5	-35	31.64	54	-22.36	-	-	252	151	H
2	* 9.064	38.06	PK2	36.6	-28.3	46.36	-	-	74	-27.64	304	164	H
	* 9.065	26.38	MAv1	36.6	-28.3	34.68	54	-19.32	-	-	304	164	H
5	* 7.657	39.72	PK2	36.2	-29.5	46.42	-	-	74	-27.58	255	255	V
	* 7.656	27.7	MAv1	36.2	-29.5	34.4	54	-19.6	-	-	255	255	V
6	* 11.106	36.97	PK2	38.3	-26.9	48.37	-	-	74	-25.63	69	377	V
	* 11.104	25.1	MAv1	38.3	-26.9	36.5	54	-17.5	-	-	69	377	V
4	5.77	42.05	PK2	35.2	-32.2	45.05	-	-	-	-	0	152	V
3	14.659	35.34	PK2	40.1	-24.4	51.04	-	-	-	-	209	335	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

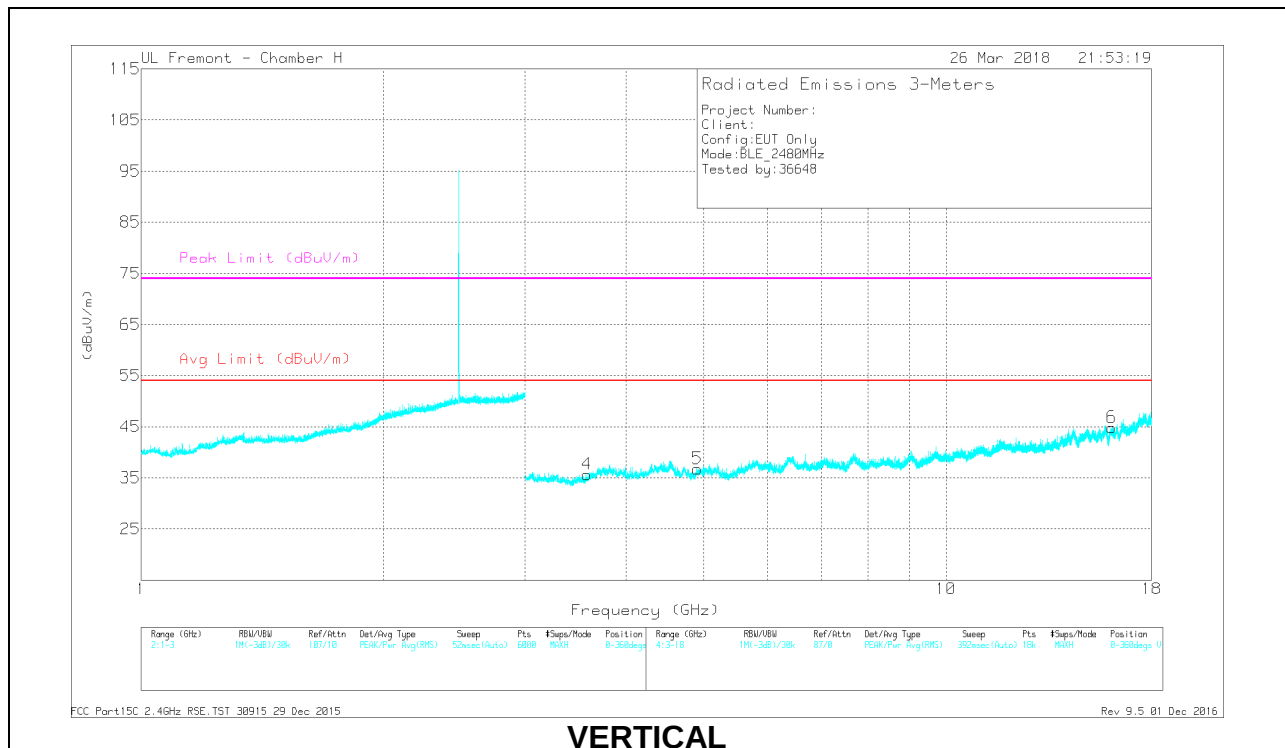
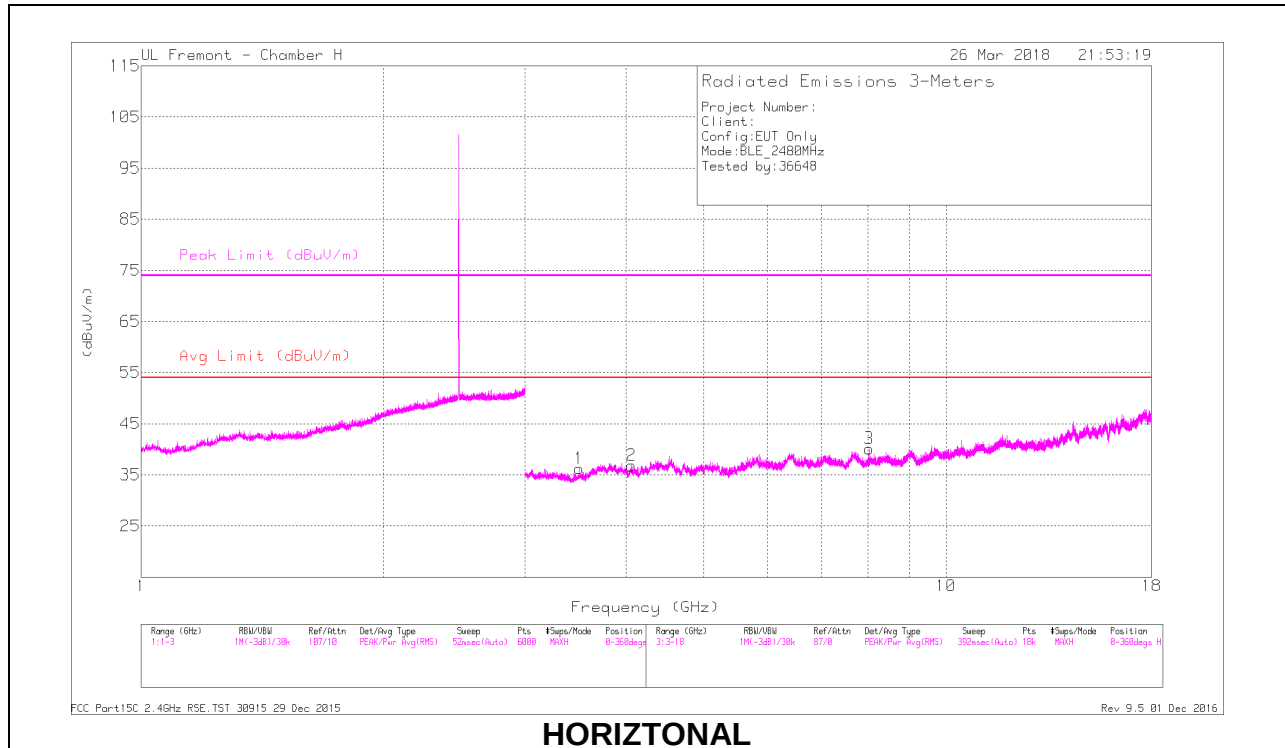
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.505	45.64	PK2	32.9	-35.6	42.94	-	-	74	-31.06	207	196	H
	* 3.505	33.39	MAv1	32.9	-35.6	30.69	54	-23.31	-	-	207	196	H
2	* 4.315	45.53	PK2	33.8	-34.6	44.73	-	-	74	-29.27	48	132	H
	* 4.317	33.61	MAv1	33.8	-34.6	32.81	54	-21.19	-	-	48	132	H
5	* 7.665	39.39	PK2	36.2	-29.6	45.99	-	-	74	-28.01	92	390	V
	* 7.667	28.08	MAv1	36.2	-29.6	34.68	54	-19.32	-	-	92	390	V
6	* 8.375	39.2	PK2	36	-29.3	45.9	-	-	74	-28.1	165	338	V
	* 8.375	27.16	MAv1	36	-29.3	33.86	54	-20.14	-	-	165	338	V
3	5.836	40.79	PK2	35.4	-31.9	44.29	-	-	-	-	159	123	H
4	6.848	40.13	PK2	35.6	-31.2	44.53	-	-	-	-	282	365	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

Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (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	* 4.066	44.12	PK2	33.5	-34.2	43.42	-	-	74	-30.58	253	338	H
	* 4.066	32.28	MAv1	33.5	-34.3	31.48	54	-22.52	-	-	253	338	H
3	* 8.109	38.79	PK2	36.2	-29.8	45.19	-	-	74	-28.81	154	346	H
	* 8.143	27.53	MAv1	36.2	-30	33.73	54	-20.27	-	-	154	346	H
4	* 3.578	44.71	PK2	33.1	-35	42.81	-	-	74	-31.19	295	334	V
	* 3.579	32.85	MAv1	33.1	-35.1	30.85	54	-23.15	-	-	295	334	V
5	* 4.908	43.41	PK2	34.2	-34.1	43.51	-	-	74	-30.49	85	207	V
	* 4.907	31.86	MAv1	34.2	-34.1	31.96	54	-22.04	-	-	85	207	V
6	* 16.054	35.64	PK2	41.7	-23.6	53.74	-	-	74	-20.26	27	320	V
	* 16.056	23.42	MAv1	41.7	-23.6	41.52	54	-12.48	-	-	27	320	V

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

PK2 - KDB558074 Method: Maximum Peak

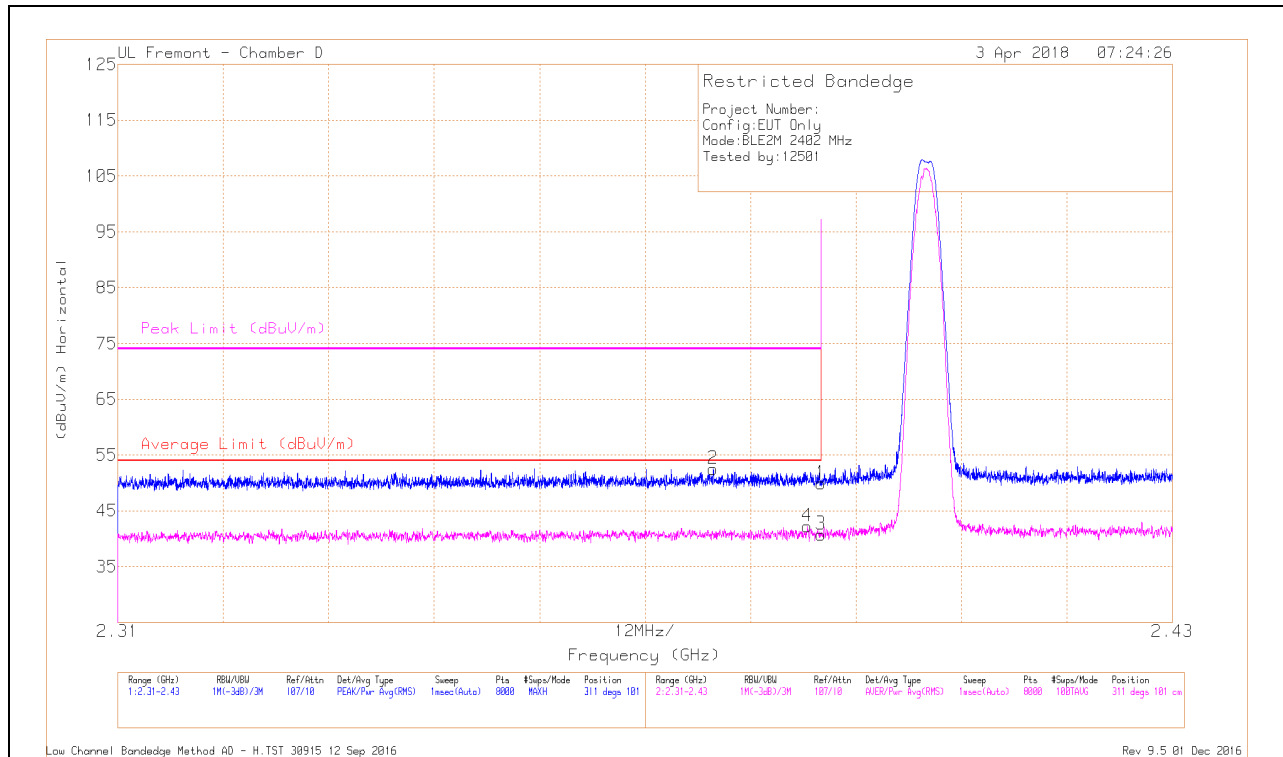
MAv1 - KDB558074 Option 1 Maximum RMS Average

9.2.2. HIGH POWER BLE (2Mbps)

Antenna 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



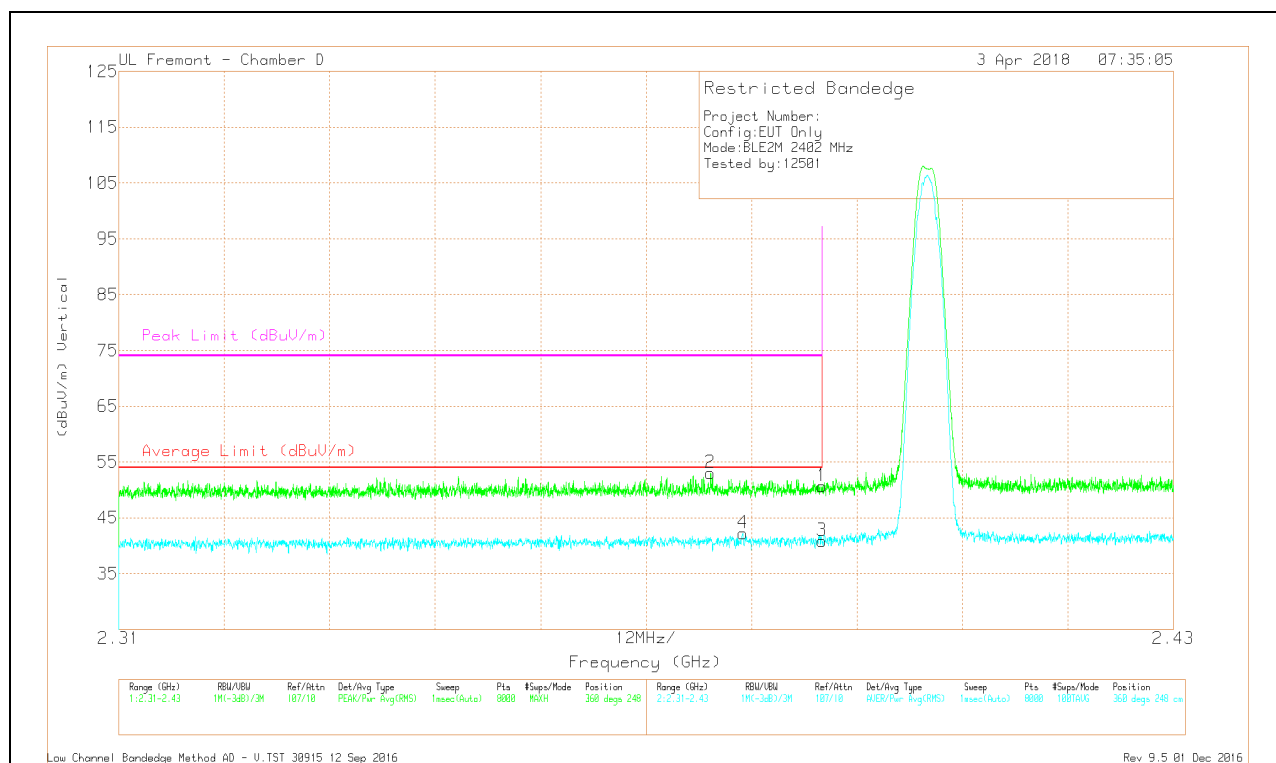
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	38.56	Pk	31.9	-20.5	49.96	-	-	74	-24.04	311	101	H
2	* 2.378	41.16	Pk	31.8	-20.4	52.56	-	-	74	-21.44	311	101	H
3	* 2.39	29.39	RMS	31.9	-20.5	40.79	54	-13.21	-	-	311	101	H
4	* 2.388	30.79	RMS	31.9	-20.5	42.19	54	-11.81	-	-	311	101	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	39.24	Pk	31.9	-20.5	50.64	-	-	74	-23.36	360	248	V
2	* 2.377	41.61	Pk	31.8	-20.4	53.01	-	-	74	-20.99	360	248	V
3	* 2.39	29.47	RMS	31.9	-20.5	40.87	54	-13.13	-	-	360	248	V
4	* 2.381	30.78	RMS	31.8	-20.4	42.18	54	-11.82	-	-	360	248	V

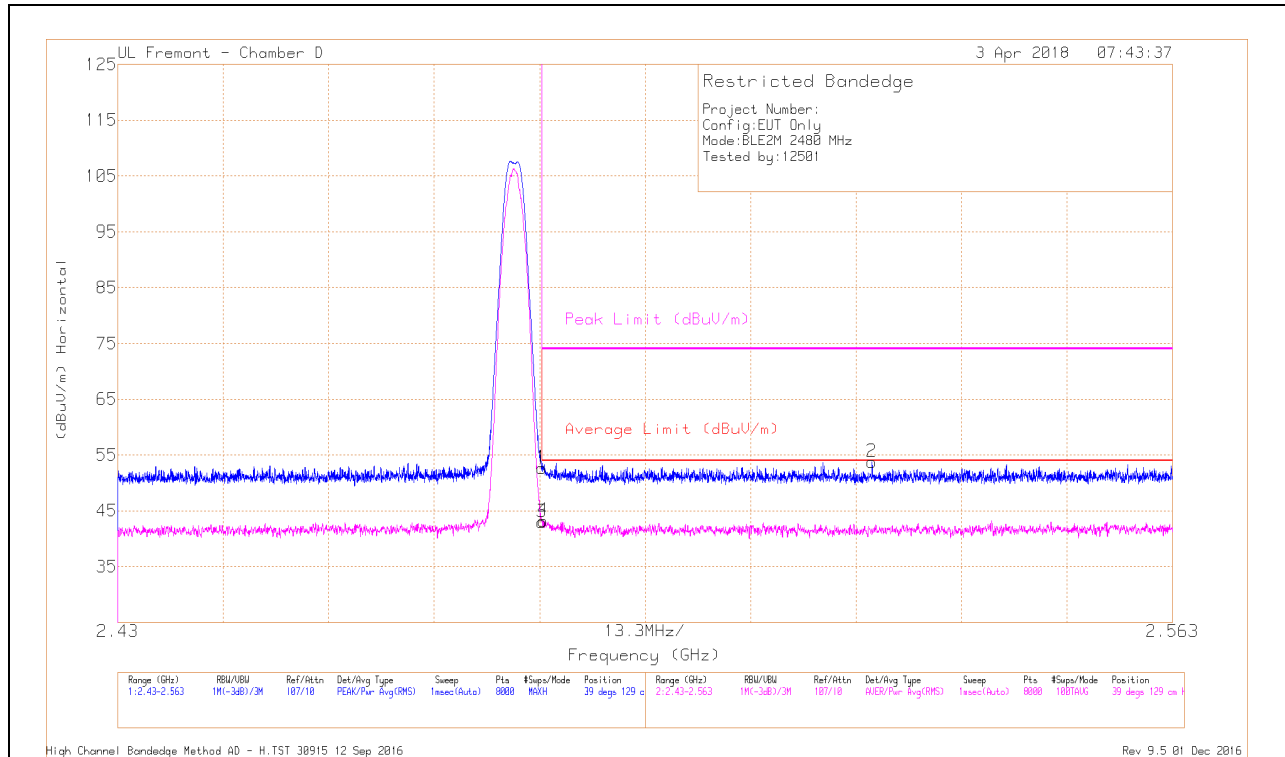
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

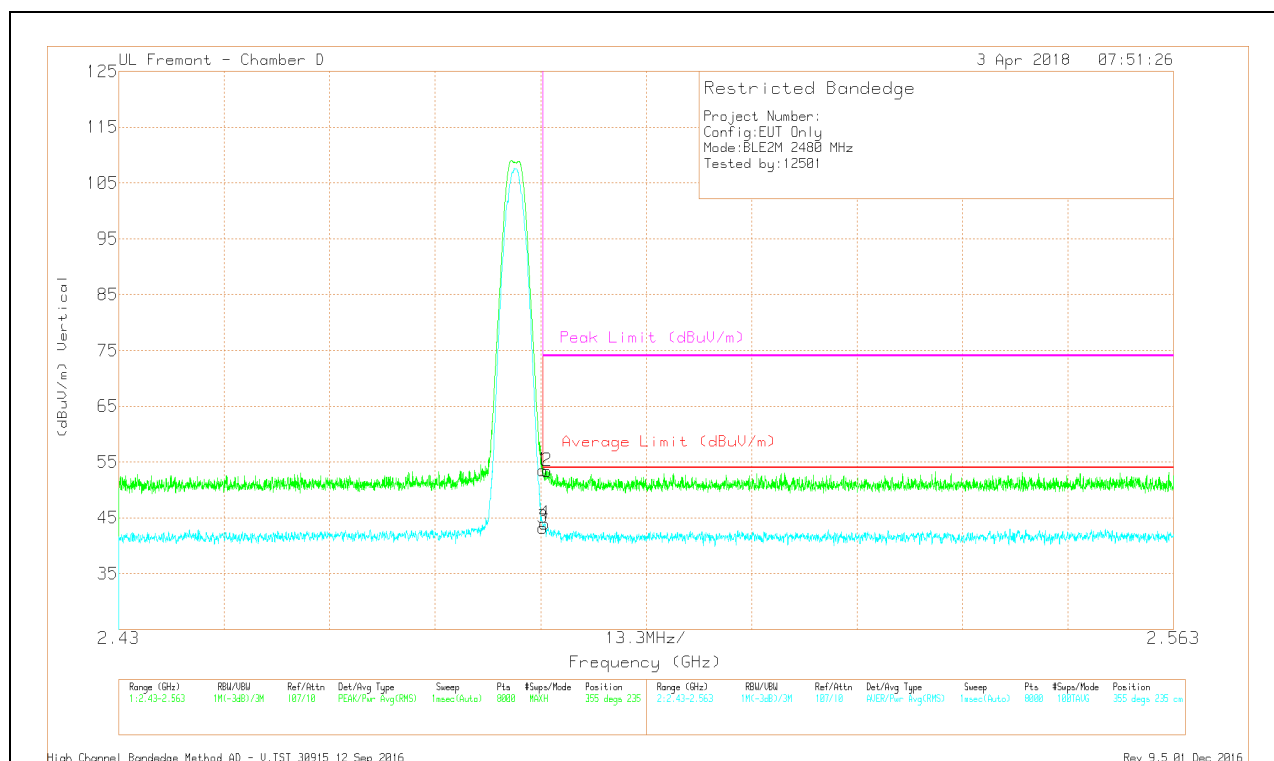
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBUV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBUV/m)	Average Limit (dBUV/m)	Margin (dB)	Peak Limit (dBUV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.65	Pk	32.4	-20.4	52.65	-	-	74	-21.35	39	129	H
3	* 2.484	30.92	RMS	32.4	-20.4	42.92	54	-11.08	-	-	39	129	H
4	* 2.484	31.35	RMS	32.4	-20.5	43.25	54	-10.75	-	-	39	129	H
2	2.525	41.76	Pk	32.4	-20.4	53.76	-	-	74	-20.24	39	129	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
1	* 2.484	41.48	Pk	32.4	-20.4	53.48	-	-	74	-20.52	355	235	V
2	* 2.484	41.55	Pk	32.4	-20.5	53.45	-	-	74	-20.55	355	235	V
3	* 2.484	31.27	RMS	32.4	-20.4	43.27	54	-10.73	-	-	355	235	V
4	* 2.484	32.07	RMS	32.4	-20.5	43.97	54	-10.03	-	-	355	235	V

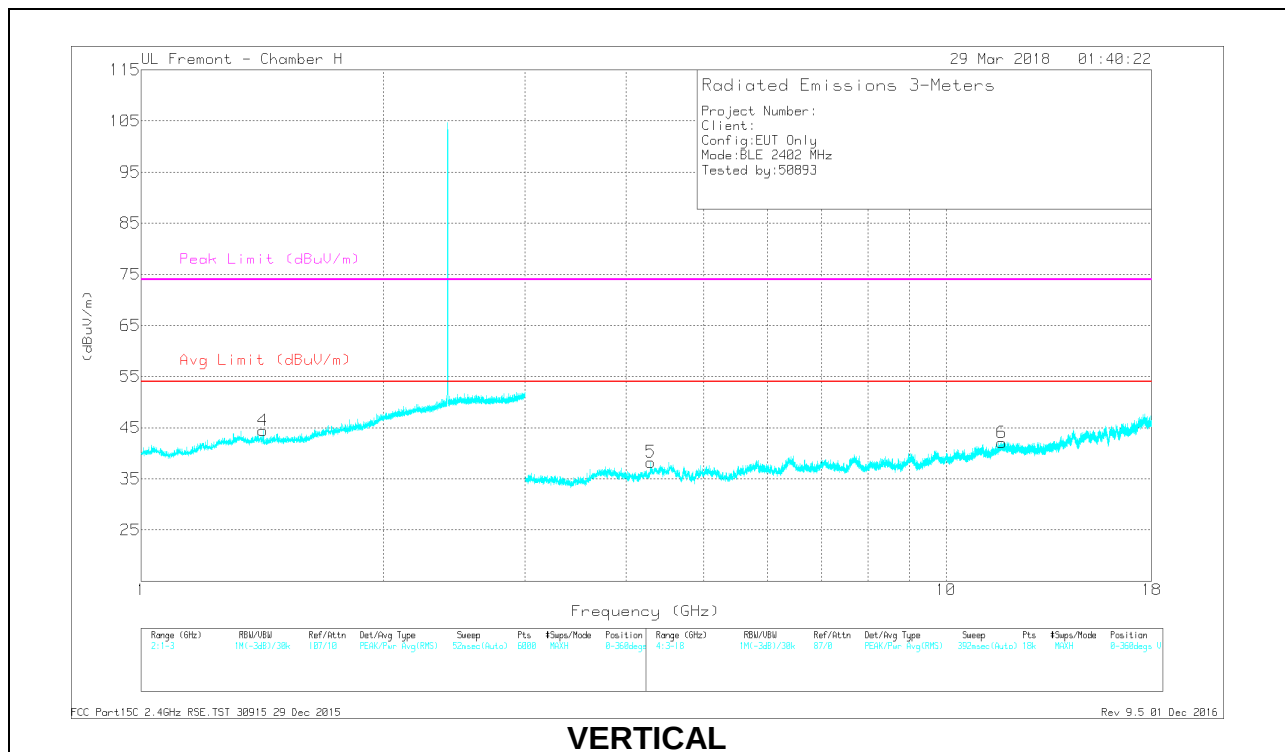
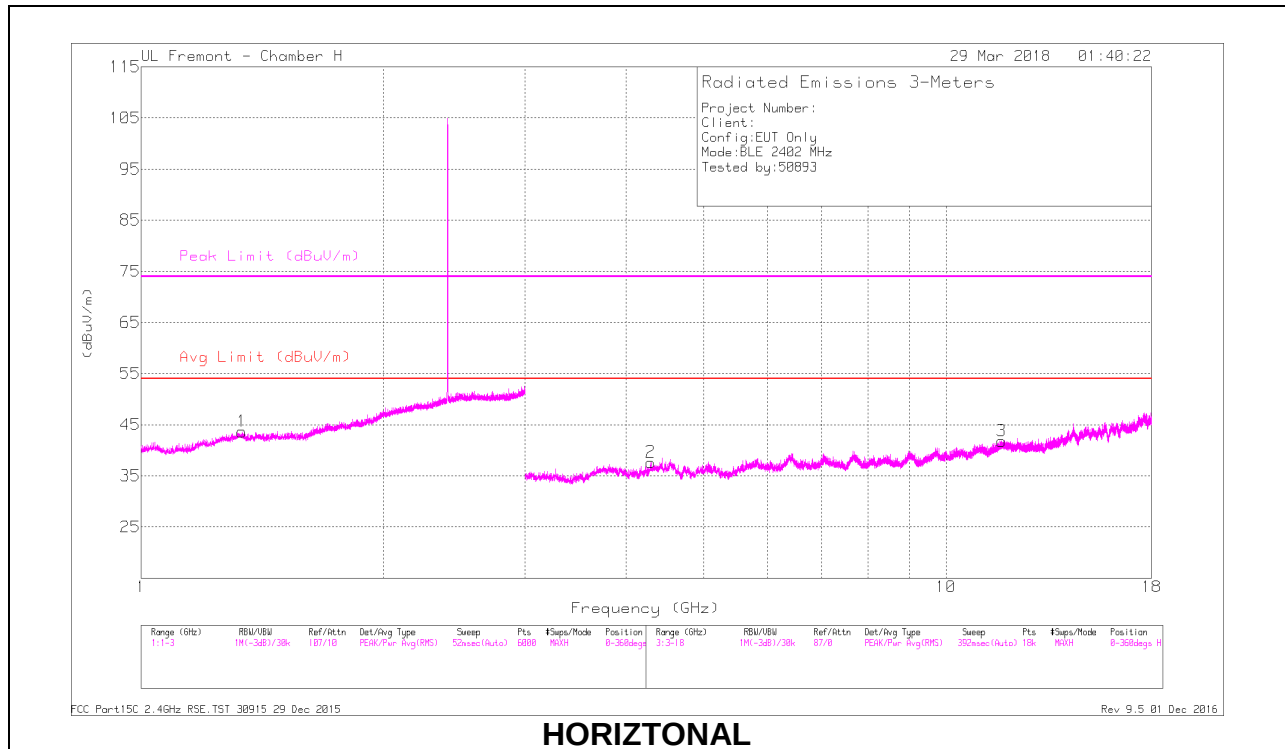
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

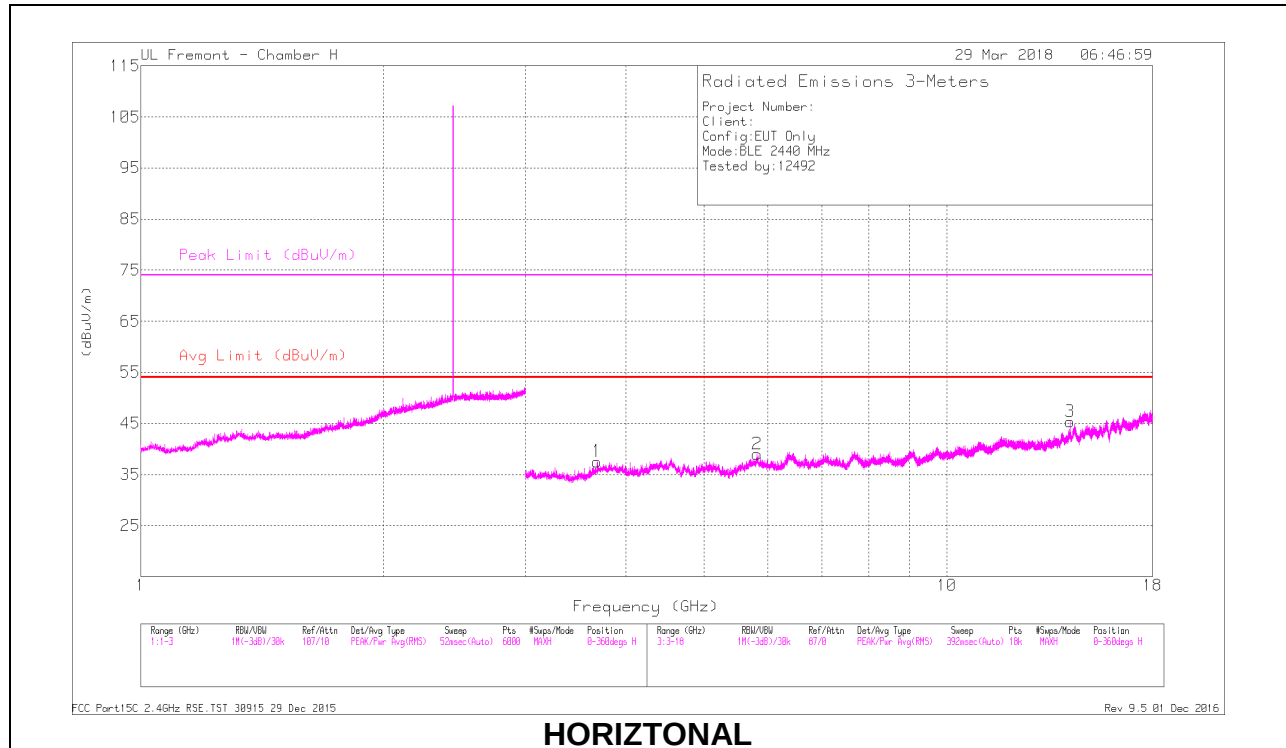
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.335	35.47	PK2	29.1	-15.8	48.77	-	-	74	-25.23	138	205	H
	* 1.332	23.98	MAv1	29.1	-15.8	37.28	54	-16.72	-	-	138	205	H
4	* 1.416	35.23	PK2	28.7	-15.5	48.43	-	-	74	-25.57	294	133	V
	* 1.415	23.56	MAv1	28.7	-15.5	36.76	54	-17.24	-	-	294	133	V
2	* 4.299	43.75	PK2	33.7	-34.7	42.75	-	-	74	-31.25	102	378	H
	* 4.298	32.22	MAv1	33.7	-34.7	31.22	54	-22.78	-	-	102	378	H
3	* 11.721	35.78	PK2	38.8	-26	48.58	-	-	74	-25.42	307	384	H
	* 11.72	23.28	MAv1	38.8	-26	36.08	54	-17.92	-	-	307	384	H
5	* 4.298	43.35	PK2	33.7	-34.7	42.35	-	-	74	-31.65	138	132	V
	* 4.297	32.16	MAv1	33.7	-34.7	31.16	54	-22.84	-	-	138	132	V
6	* 11.73	35.46	PK2	38.8	-26	48.26	-	-	74	-25.74	213	330	V
	* 11.729	23.26	MAv1	38.8	-26	36.06	54	-17.94	-	-	213	330	V

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

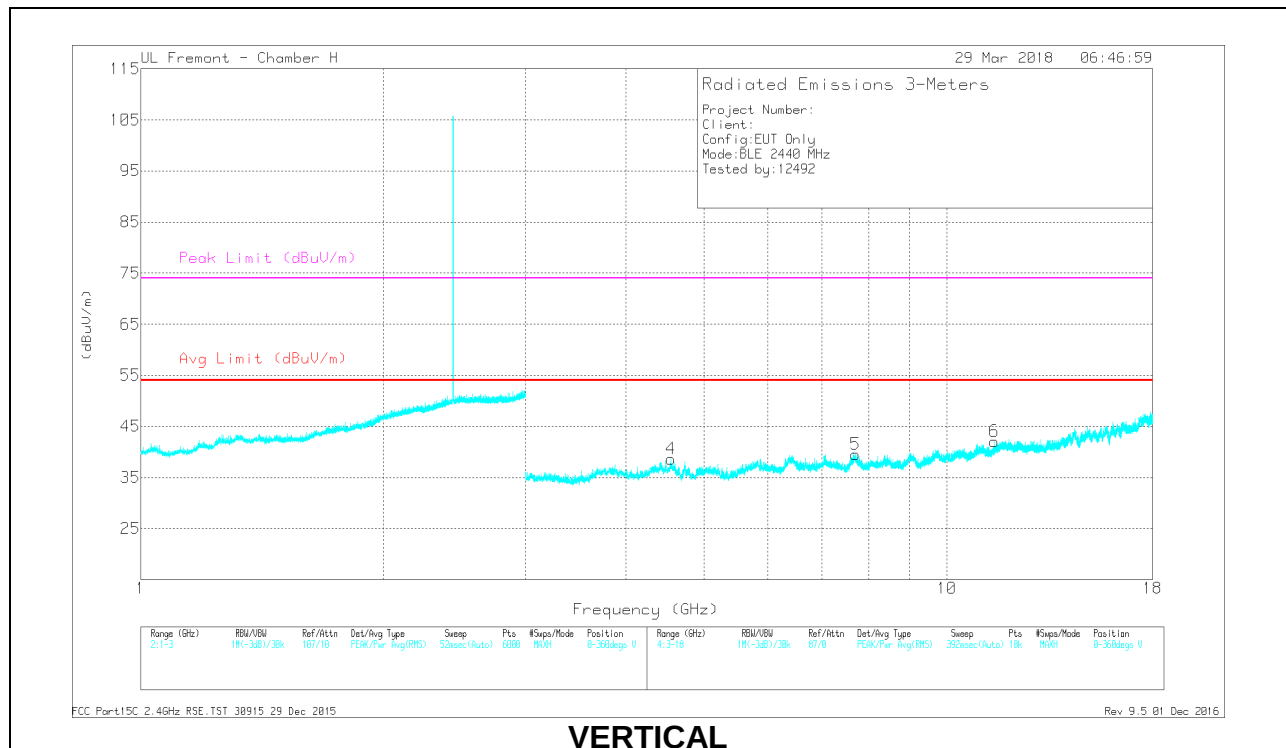
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS



HORIZTONTAL



VERTICAL

RADIATED EMISSIONS

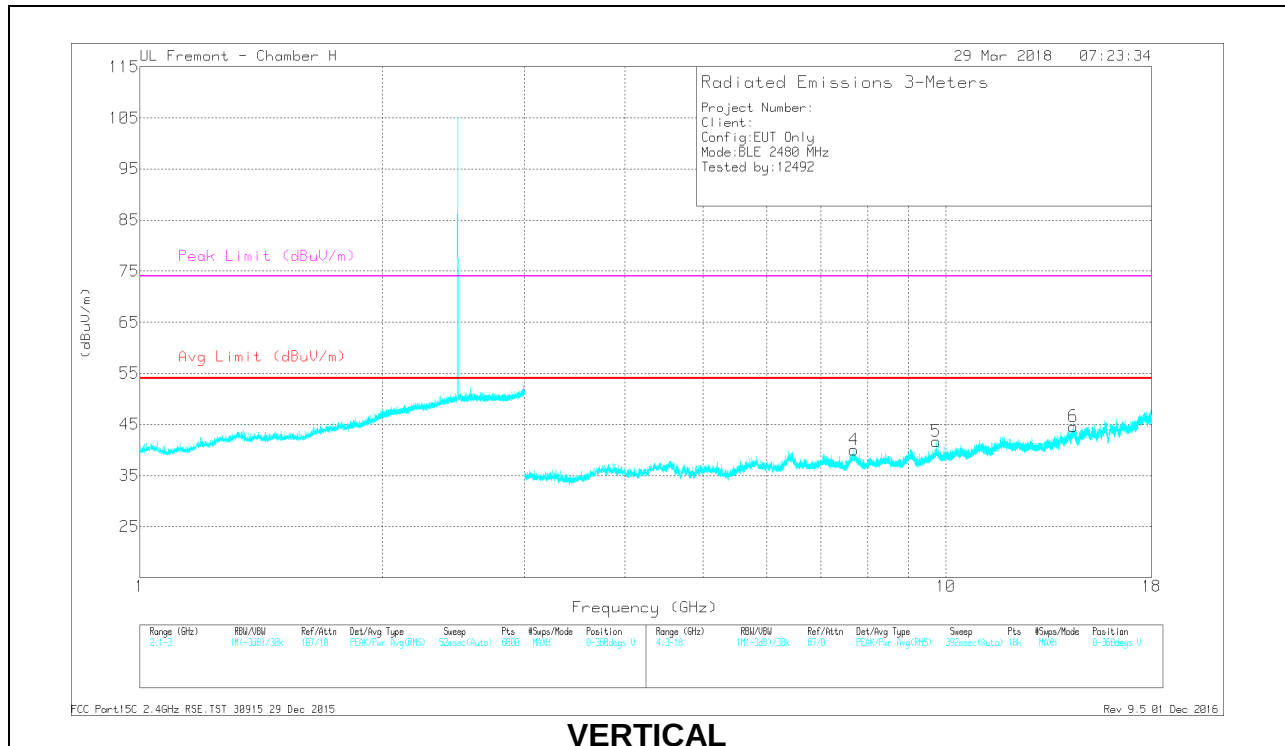
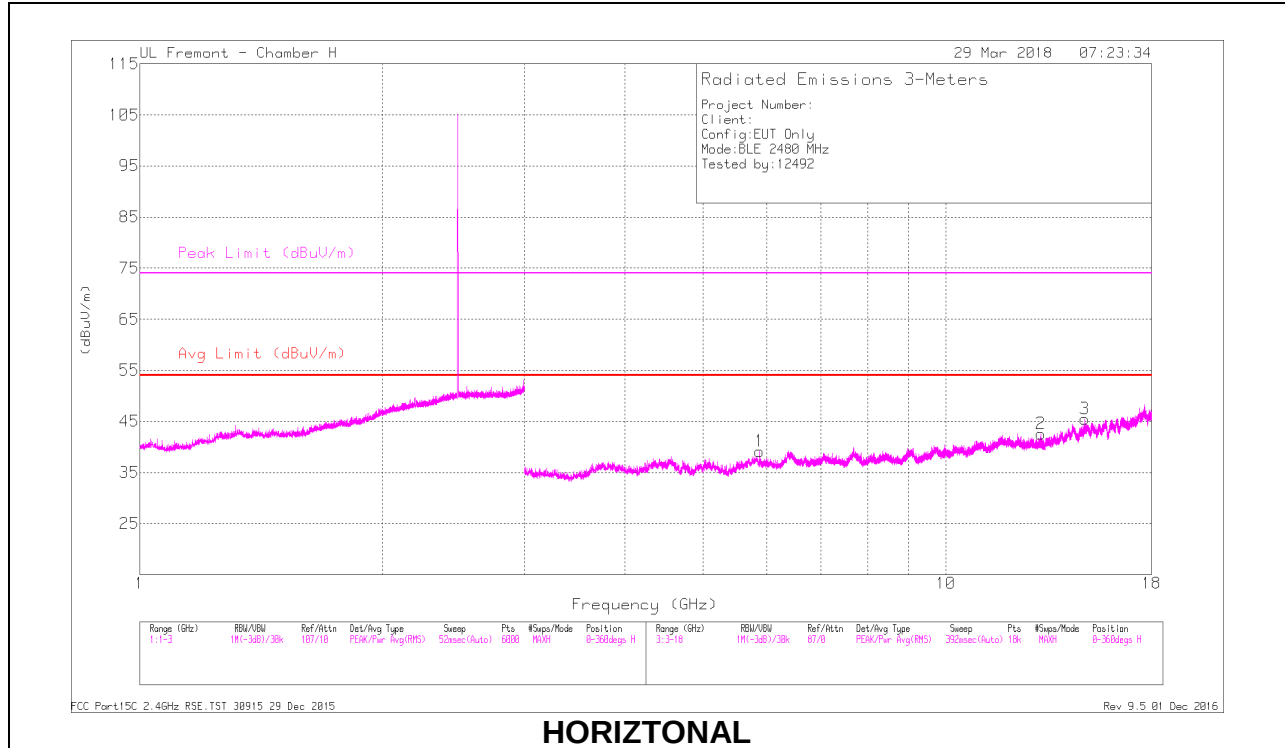
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.679	45.27	PK2	33	-35.5	42.77	-	-	74	-31.23	331	266	H
	* 3.681	33.99	MAv1	33	-35.5	31.49	54	-22.51	-	-	331	266	H
4	* 4.545	44.65	PK2	34.3	-34.7	44.25	-	-	74	-29.75	7	295	V
	* 4.545	33.41	MAv1	34.3	-34.7	33.01	54	-20.99	-	-	7	295	V
5	* 7.702	39.41	PK2	36.2	-30	45.61	-	-	74	-28.39	0	144	V
	* 7.702	27.88	MAv1	36.2	-30	34.08	54	-19.92	-	-	0	144	V
6	* 11.452	36.14	PK2	38.3	-26.3	48.14	-	-	74	-25.86	168	348	V
	* 11.454	24.49	MAv1	38.3	-26.3	36.49	54	-17.51	-	-	168	348	V
2	5.818	41.25	PK2	35.4	-31.8	44.85	-	-	-	-	264	143	H
3	14.223	35.09	PK2	40.5	-24.9	50.69	-	-	-	-	0	316	H

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 7.687	40.55	PK2	36.2	-29.7	47.05	-	-	74	-26.95	7	110	V
	* 7.689	27.85	MAv1	36.2	-29.7	34.35	54	-19.65	-	-	7	110	V
1	5.879	41.01	PK2	35.5	-32.3	44.21	-	-	-	-	232	306	H
5	9.731	37.95	PK2	37.3	-28.3	46.95	-	-	-	-	173	320	V
2	13.122	35.36	PK2	39	-26.1	48.26	-	-	-	-	34	300	H
6	14.396	35.42	PK2	40.6	-23.8	52.22	-	-	-	-	48	330	V
3	14.885	35.63	PK2	40.3	-24.2	51.73	-	-	-	-	134	335	H

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

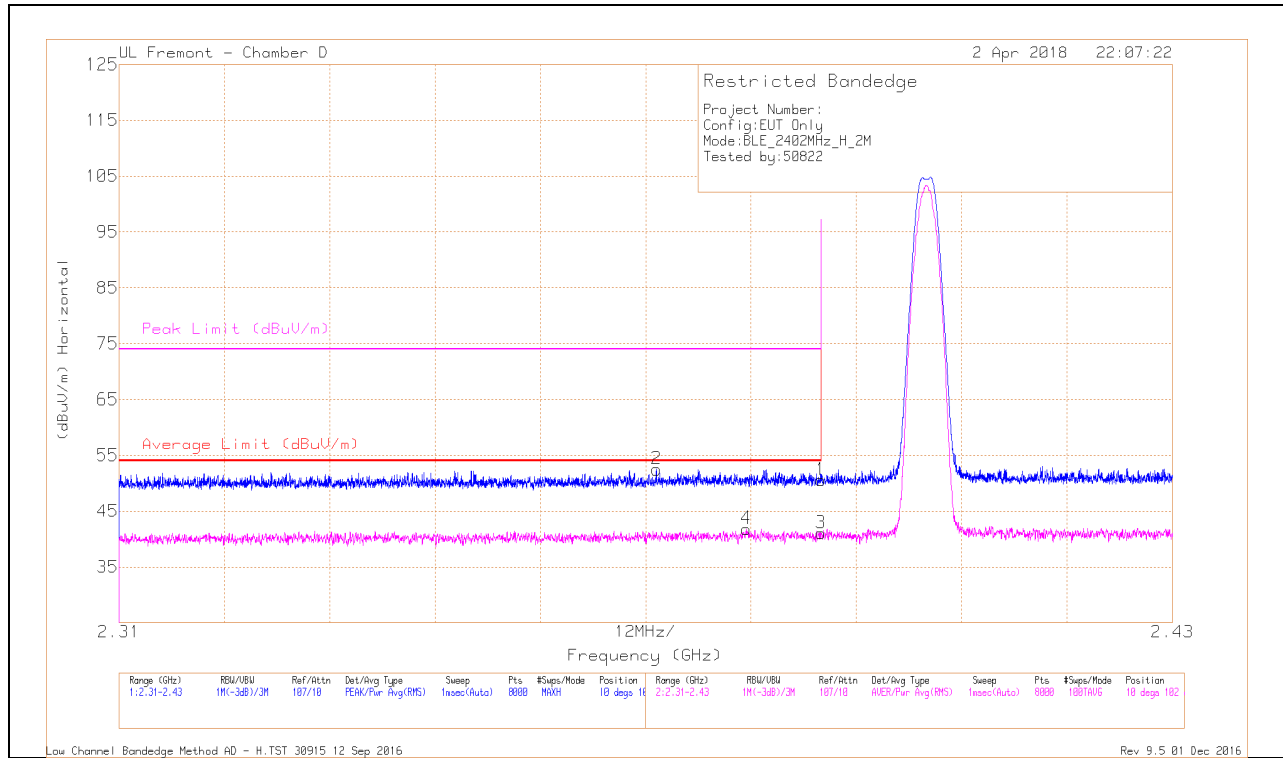
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

Antenna 3

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



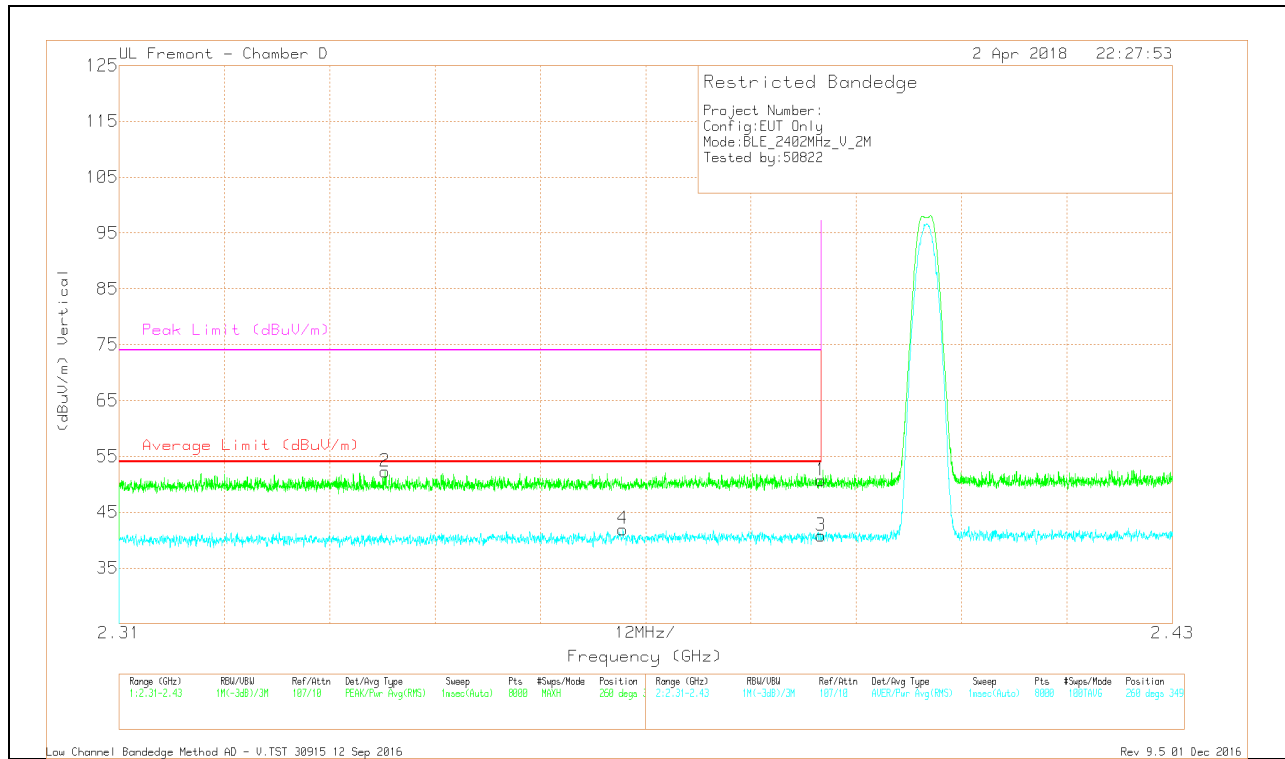
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	39.16	Pk	31.9	-20.5	50.56	-	-	74	-23.44	10	102	H
2	* 2.371	41.29	Pk	31.8	-20.6	52.49	-	-	74	-21.51	10	102	H
3	* 2.39	29.63	RMS	31.9	-20.5	41.03	54	-12.97	-	-	10	102	H
4	* 2.381	30.5	RMS	31.8	-20.5	41.8	54	-12.2	-	-	10	102	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	39.31	Pk	31.9	-20.5	50.71	-	-	74	-23.29	260	349	V
2	* 2.34	41.28	Pk	31.6	-20.6	52.28	-	-	74	-21.72	260	349	V
3	* 2.39	29.37	RMS	31.9	-20.5	40.77	54	-13.23	-	-	260	349	V
4	* 2.367	30.86	RMS	31.7	-20.6	41.96	54	-12.04	-	-	260	349	V

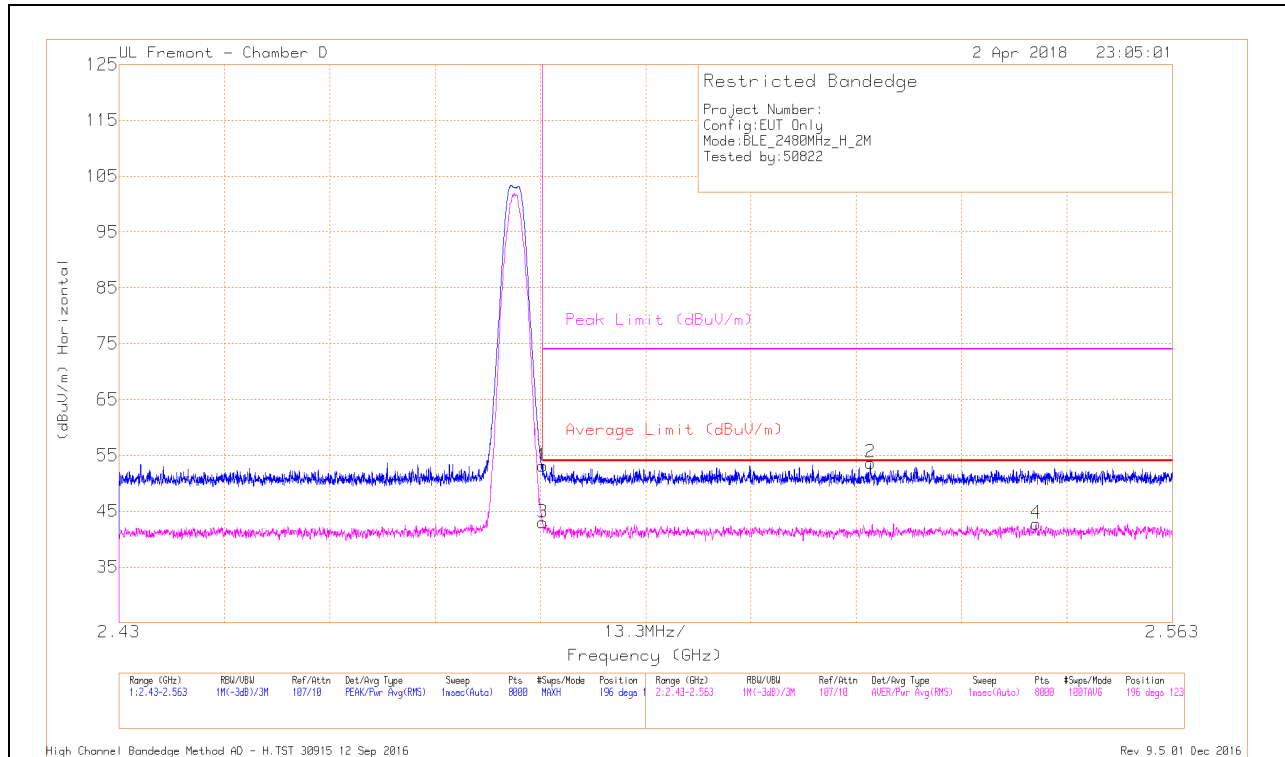
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

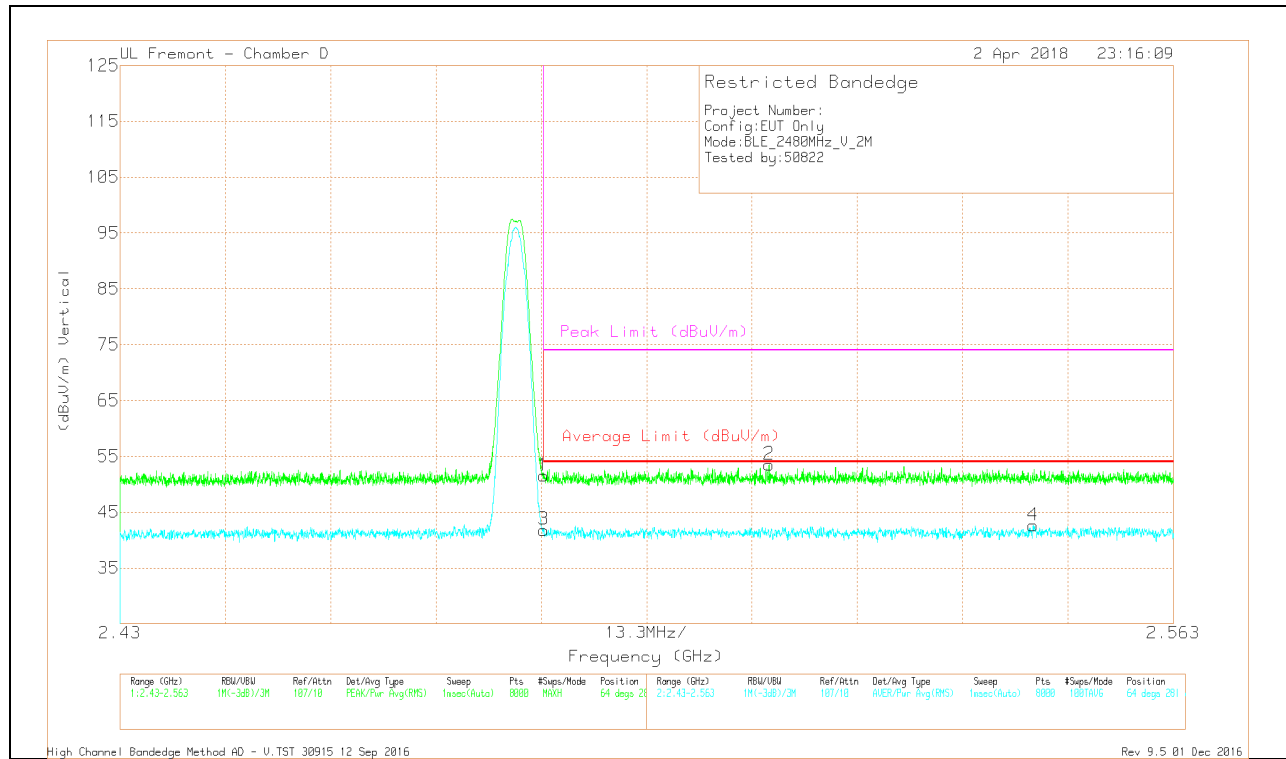
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	41.12	Pk	32.4	-20.4	53.12	-	-	74	-20.88	196	123	H
3	* 2.484	30.98	RMS	32.4	-20.4	42.98	54	-11.02	-	-	196	123	H
2	2.525	41.68	Pk	32.4	-20.4	53.68	-	-	74	-20.32	196	123	H
4	2.546	30.7	RMS	32.4	-20.3	42.8	54	-11.2	-	-	196	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 T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	39.53	Pk	32.4	-20.4	51.53	-	-	74	-22.47	64	281	V
3	* 2.484	29.84	RMS	32.4	-20.4	41.84	54	-12.16	-	-	64	281	V
2	2.512	41.42	Pk	32.4	-20.3	53.52	-	-	74	-20.48	64	281	V
4	2.545	30.53	RMS	32.4	-20.3	42.63	54	-11.37	-	-	64	281	V

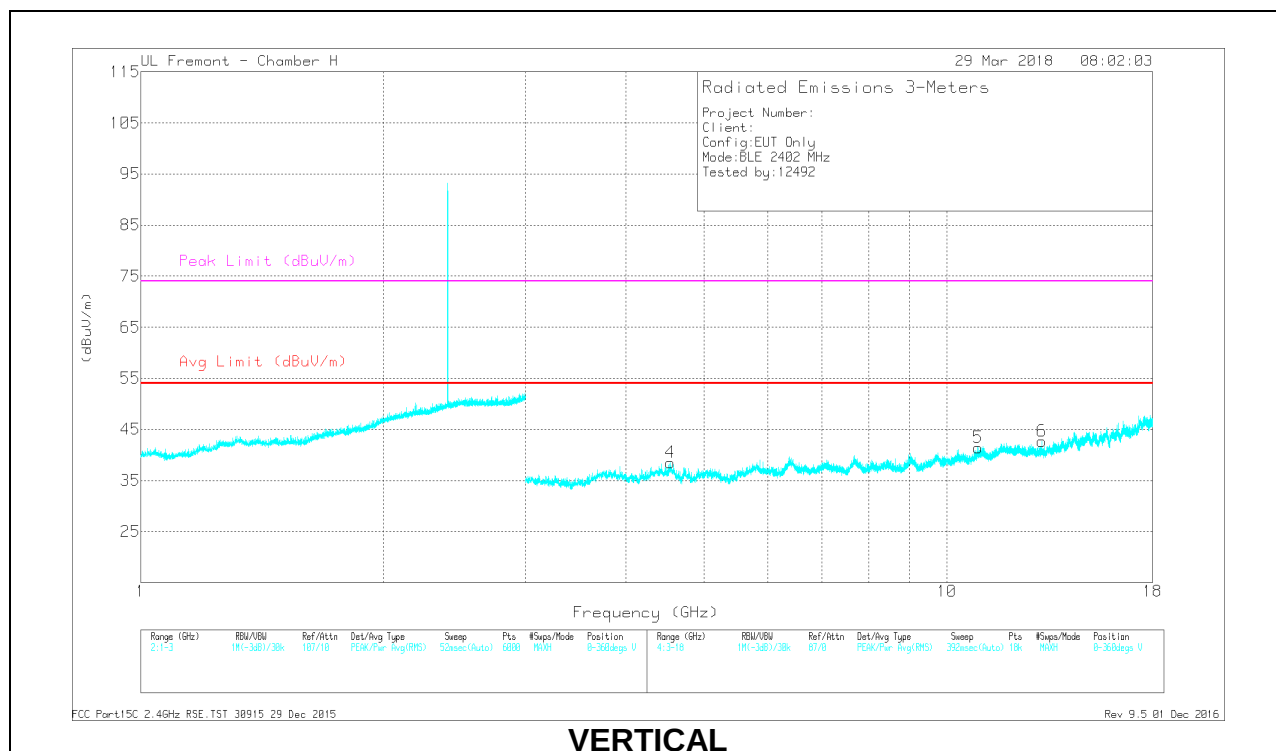
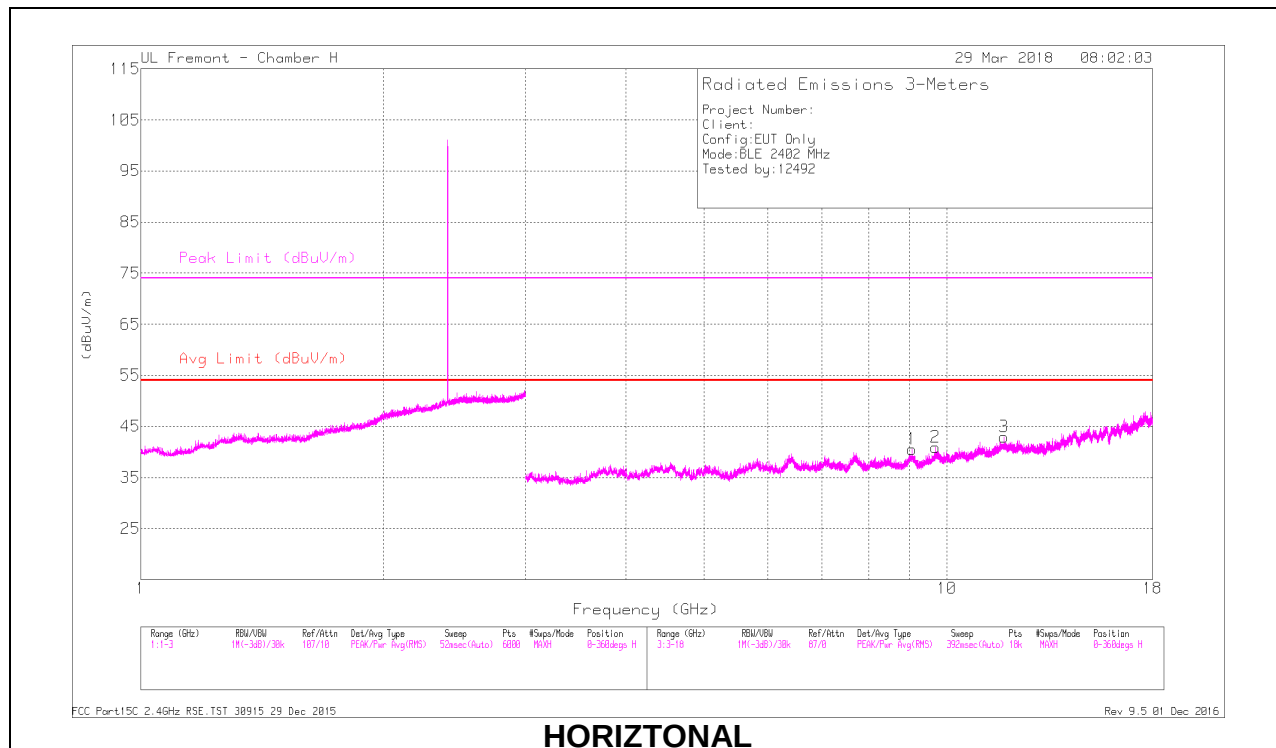
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

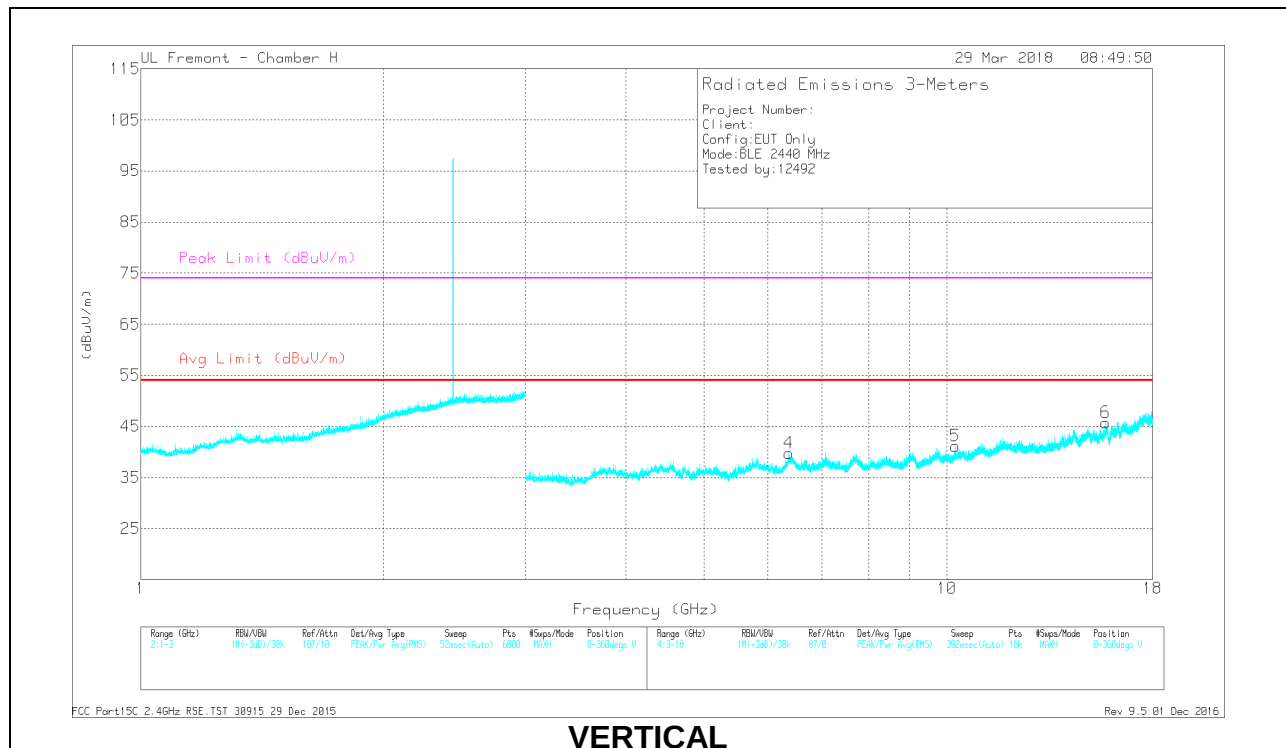
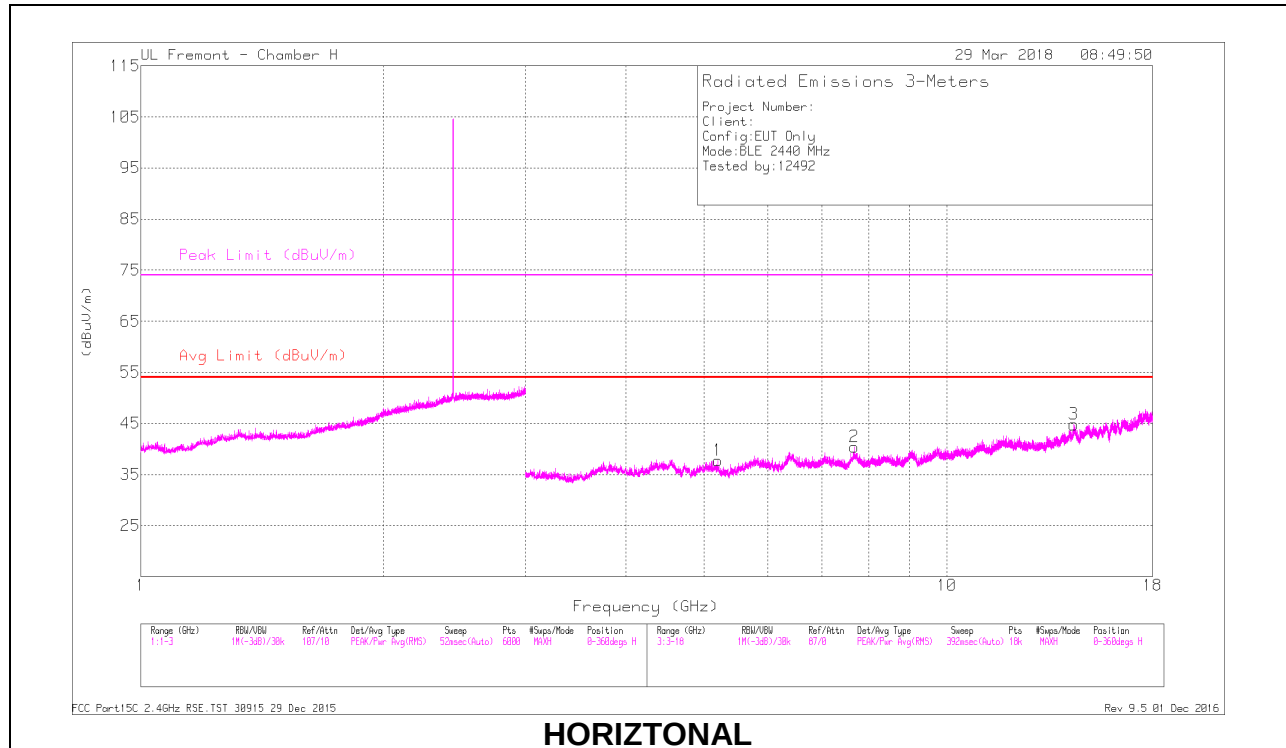
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 9.052	38.01	PK2	36.6	-28.3	46.31	-	-	74	-27.69	175	240	H
	* 9.053	26.28	MAv1	36.6	-28.3	34.58	54	-19.42	-	-	175	240	H
3	* 11.776	36.7	PK2	38.9	-26	49.6	-	-	74	-24.4	181	339	H
	* 11.775	24.44	MAv1	38.9	-26	37.34	54	-16.66	-	-	181	339	H
4	* 4.54	45.27	PK2	34.3	-34.7	44.87	-	-	74	-29.13	291	201	V
	* 4.54	33.28	MAv1	34.3	-34.7	32.88	54	-21.12	-	-	291	201	V
5	* 10.934	36.74	PK2	37.8	-27.1	47.44	-	-	74	-26.56	82	133	V
	* 10.936	25.45	MAv1	37.8	-27.1	36.15	54	-17.85	-	-	82	133	V
2	9.686	37.41	PK2	37.2	-28	46.61	-	-	-	-	116	225	H
6	13.115	35.15	PK2	39	-26.2	47.95	-	-	-	-	126	125	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

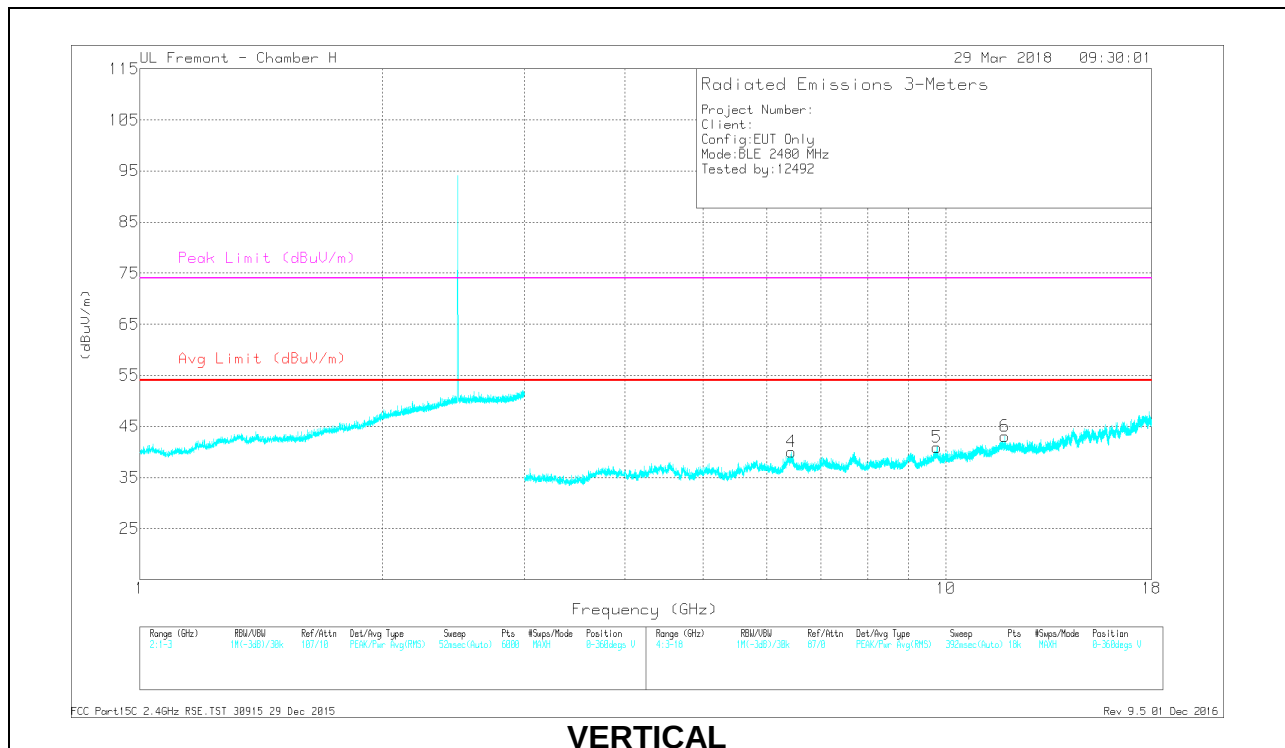
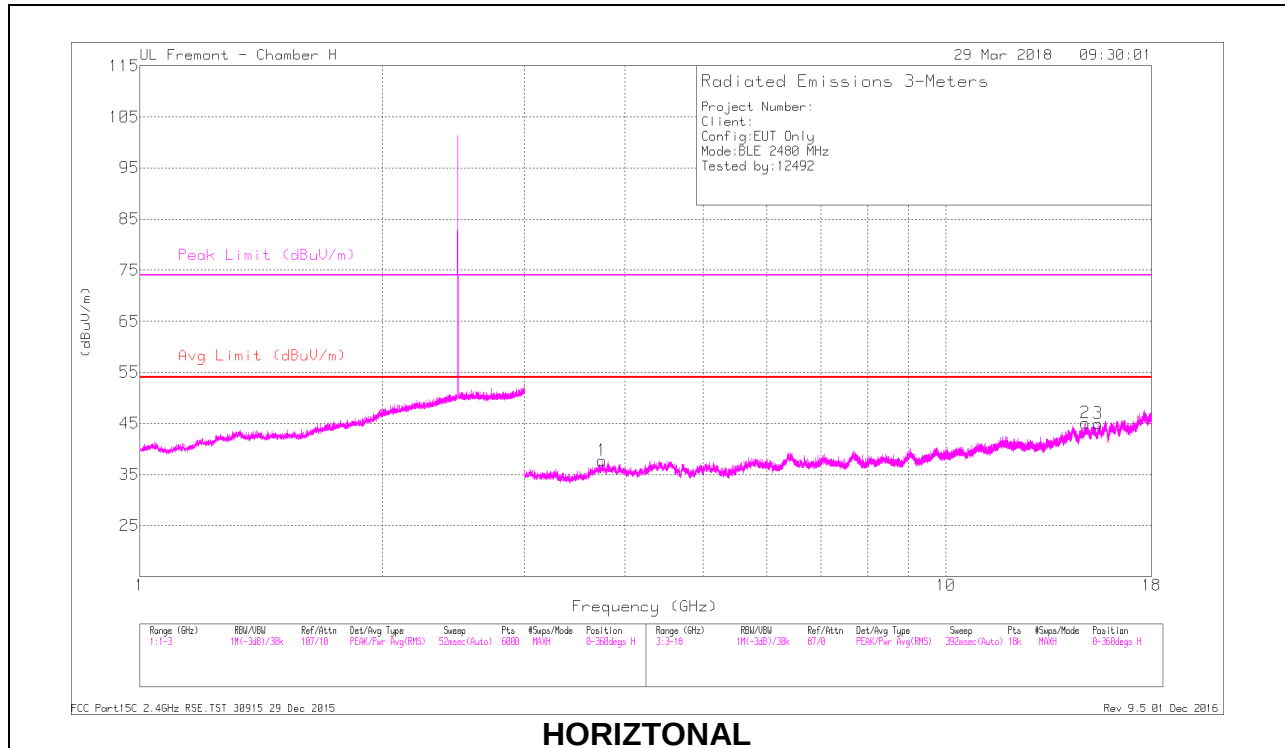
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 7.683	39.52	PK2	36.2	-29.6	46.12	-	-	74	-27.88	157	181	H
	* 7.68	27.81	MAv1	36.2	-29.6	34.41	54	-19.59	-	-	157	181	H
6	* 15.753	34.74	PK2	41.6	-24	52.34	-	-	74	-21.66	344	369	V
	* 15.752	23.36	MAv1	41.6	-24	40.96	54	-13.04	-	-	344	369	V
1	5.201	42.54	PK2	34.3	-33.4	43.44	-	-	-	-	206	334	H
4	6.372	41.07	PK2	35.4	-30.8	45.67	-	-	-	-	279	304	V
5	10.24	37.53	PK2	37.3	-28.1	46.73	-	-	-	-	250	111	V
3	14.384	34.73	PK2	40.5	-23.7	51.53	-	-	-	-	261	362	H

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (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	* 3.747	46.12	PK2	33.1	-35.2	44.02	-	-	74	-29.98	300	280	H
	* 3.746	34.11	MAv1	33.1	-35.2	32.01	54	-21.99	-	-	300	280	H
3	* 15.458	35.27	PK2	40.9	-24.4	51.77	-	-	74	-22.23	65	351	H
	* 15.46	23.98	MAv1	40.9	-24.4	40.48	54	-13.52	-	-	65	351	H
6	* 11.828	35.16	PK2	38.9	-25.8	48.26	-	-	74	-25.74	95	279	V
	* 11.828	23.61	MAv1	38.9	-25.8	36.71	54	-17.29	-	-	95	279	V
4	6.429	40.7	PK2	35.5	-30.7	45.5	-	-	-	-	205	280	V
5	9.748	39.03	PK2	37.2	-28.3	47.93	-	-	-	-	104	351	V
2	14.897	35.49	PK2	40.4	-24.1	51.79	-	-	-	-	12	349	H

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

PK2 - KDB558074 Method: Maximum Peak

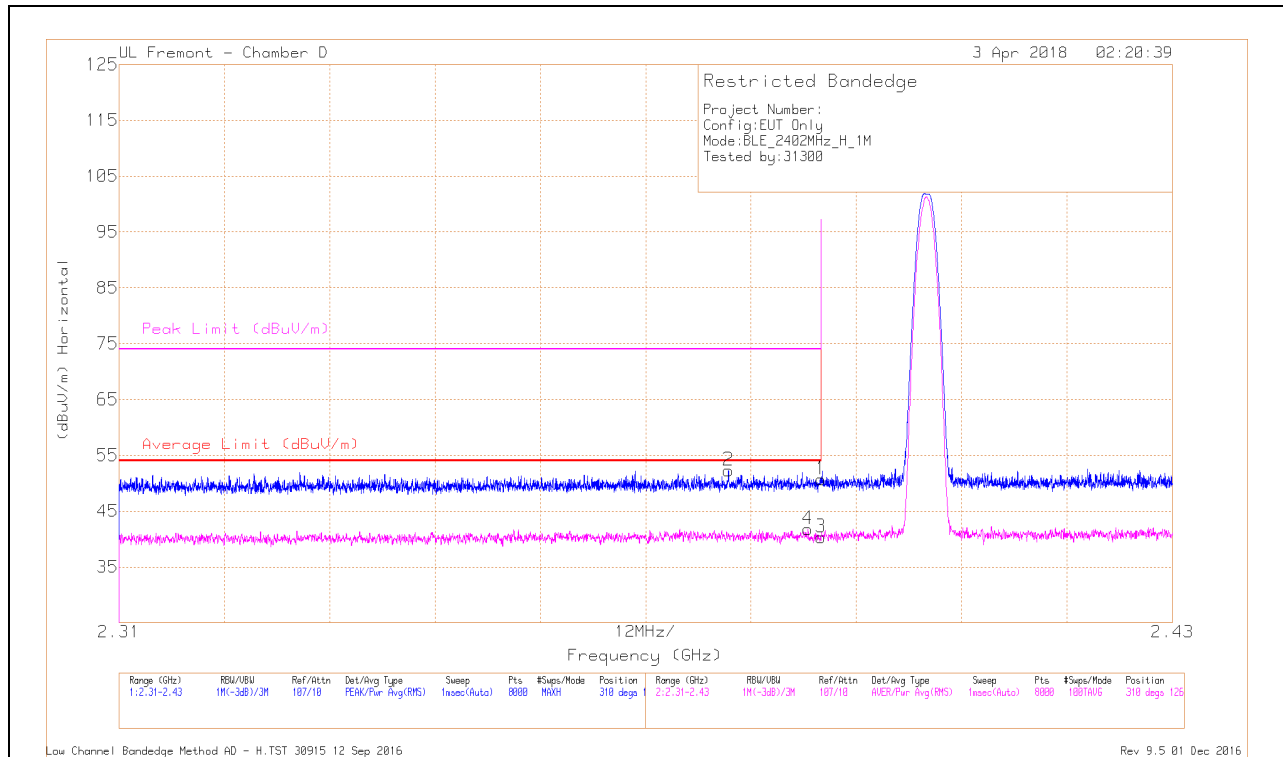
MAv1 - KDB558074 Option 1 Maximum RMS Average

9.2.3. LOW POWER BLE (1Mbps)

Antenna 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



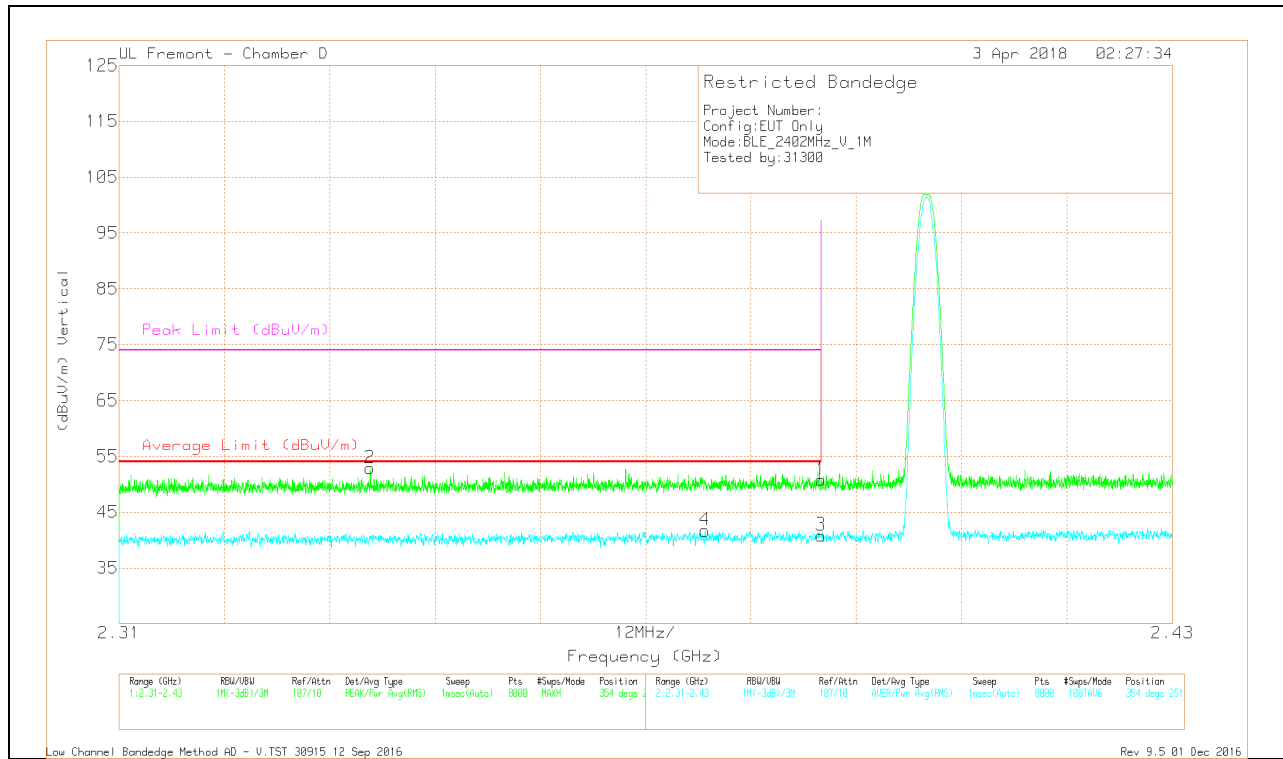
Marker	Frequency (GHz)	Meter Reading (dBUV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBUV/m)	Average Limit (dBUV/m)	Margin (dB)	Peak Limit (dBUV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.379	40.9	Pk	31.8	-20.4	52.3	-	-	74	-21.7	310	126	H
4	* 2.388	30.4	RMS	31.9	-20.5	41.8	54	-12.2	-	-	310	126	H
1	* 2.39	39.32	Pk	31.9	-20.5	50.72	-	-	74	-23.28	310	126	H
3	* 2.39	28.95	RMS	31.9	-20.5	40.35	54	-13.65	-	-	310	126	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.339	41.86	Pk	31.6	-20.6	52.86	-	-	74	-21.14	354	251	V
4	* 2.377	30.32	RMS	31.8	-20.4	41.72	54	-12.28	-	-	354	251	V
1	* 2.39	39.4	Pk	31.9	-20.5	50.8	-	-	74	-23.2	354	251	V
3	* 2.39	29.43	RMS	31.9	-20.5	40.83	54	-13.17	-	-	354	251	V

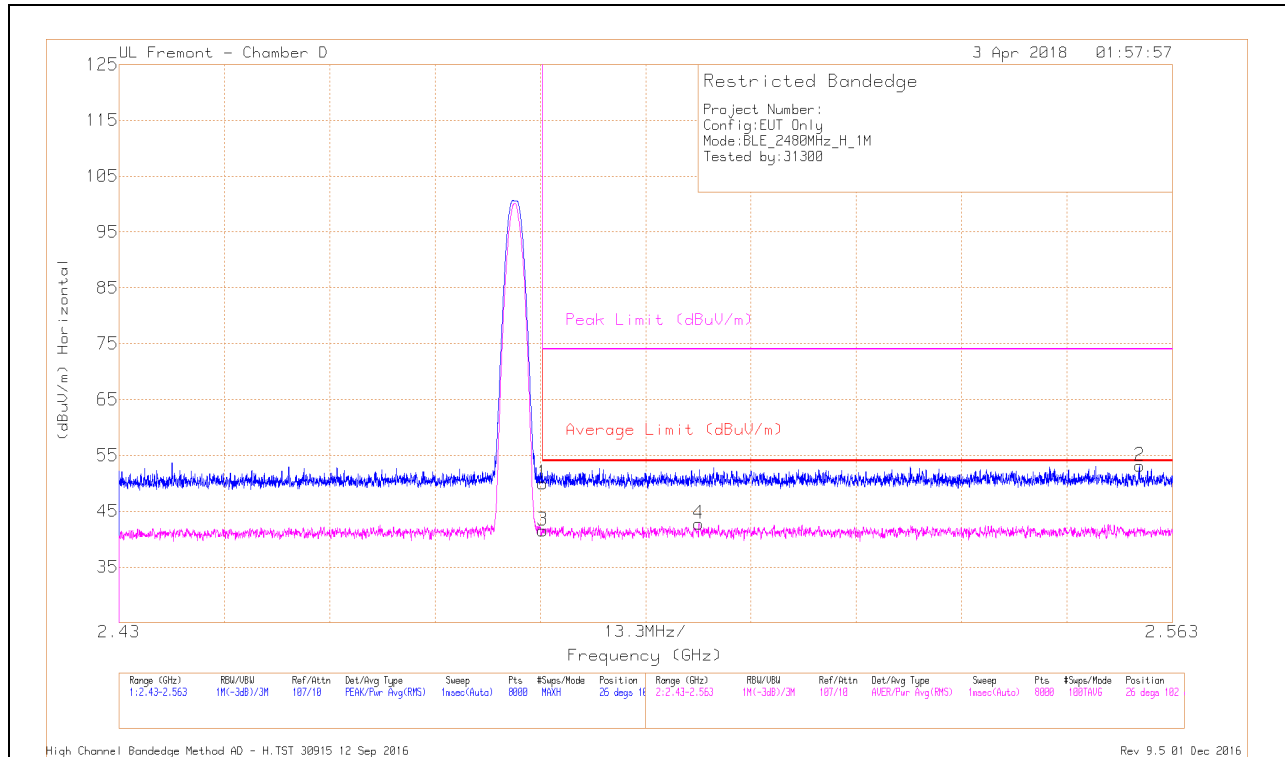
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



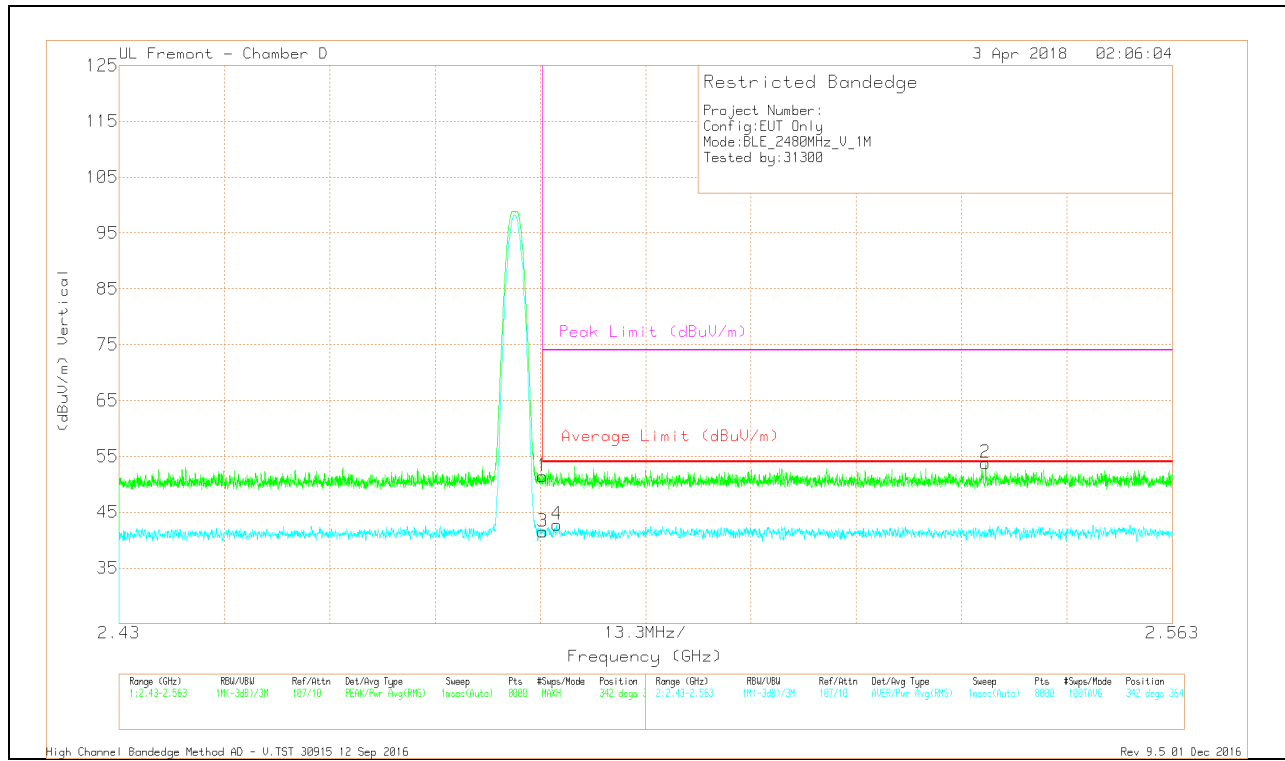
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	37.99	Pk	32.4	-20.4	49.99	-	-	74	-24.01	26	102	H
3	* 2.484	29.58	RMS	32.4	-20.4	41.58	54	-12.42	-	-	26	102	H
4	2.503	30.79	RMS	32.4	-20.4	42.79	54	-11.21	-	-	26	102	H
2	2.559	40.95	Pk	32.5	-20.3	53.15	-	-	74	-20.85	26	102	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	39.44	Pk	32.4	-20.4	51.44	-	-	74	-22.56	342	364	V
3	* 2.484	29.52	RMS	32.4	-20.4	41.52	54	-12.48	-	-	342	364	V
4	* 2.485	30.88	RMS	32.4	-20.5	42.78	54	-11.22	-	-	342	364	V
2	2.539	41.8	Pk	32.4	-20.4	53.8	-	-	74	-20.2	342	364	V

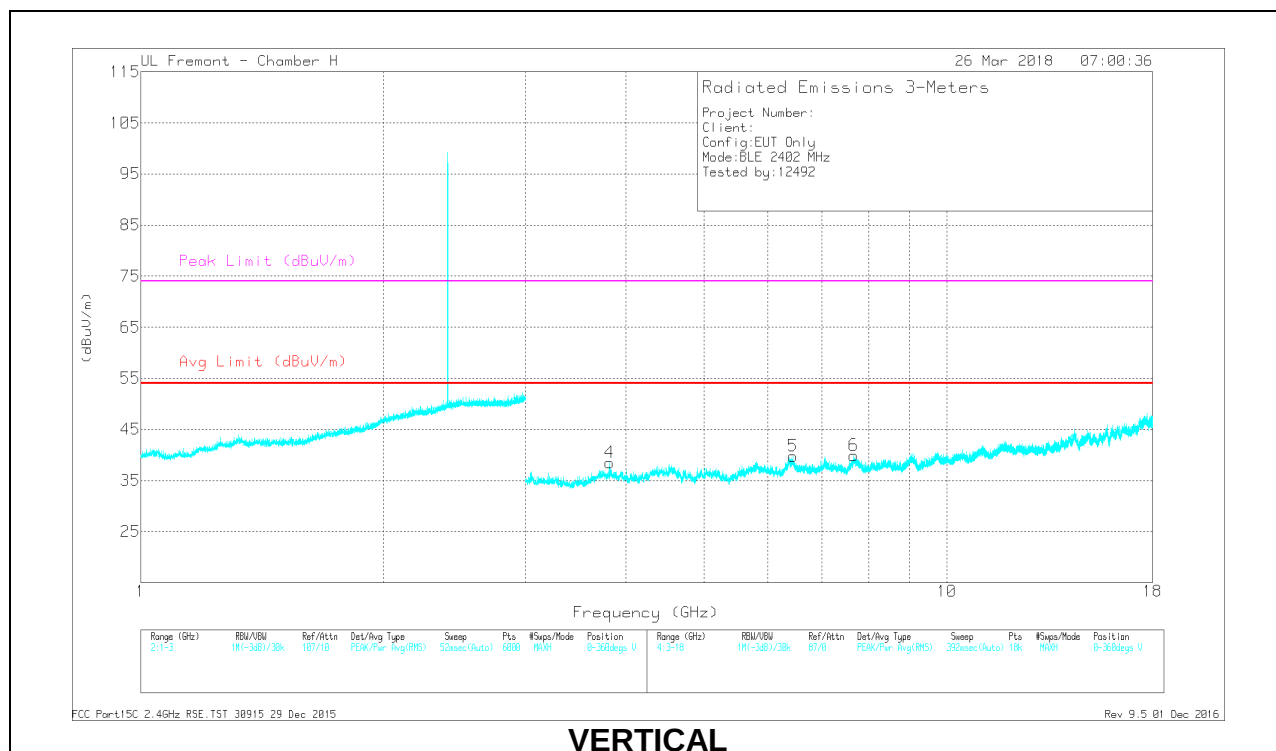
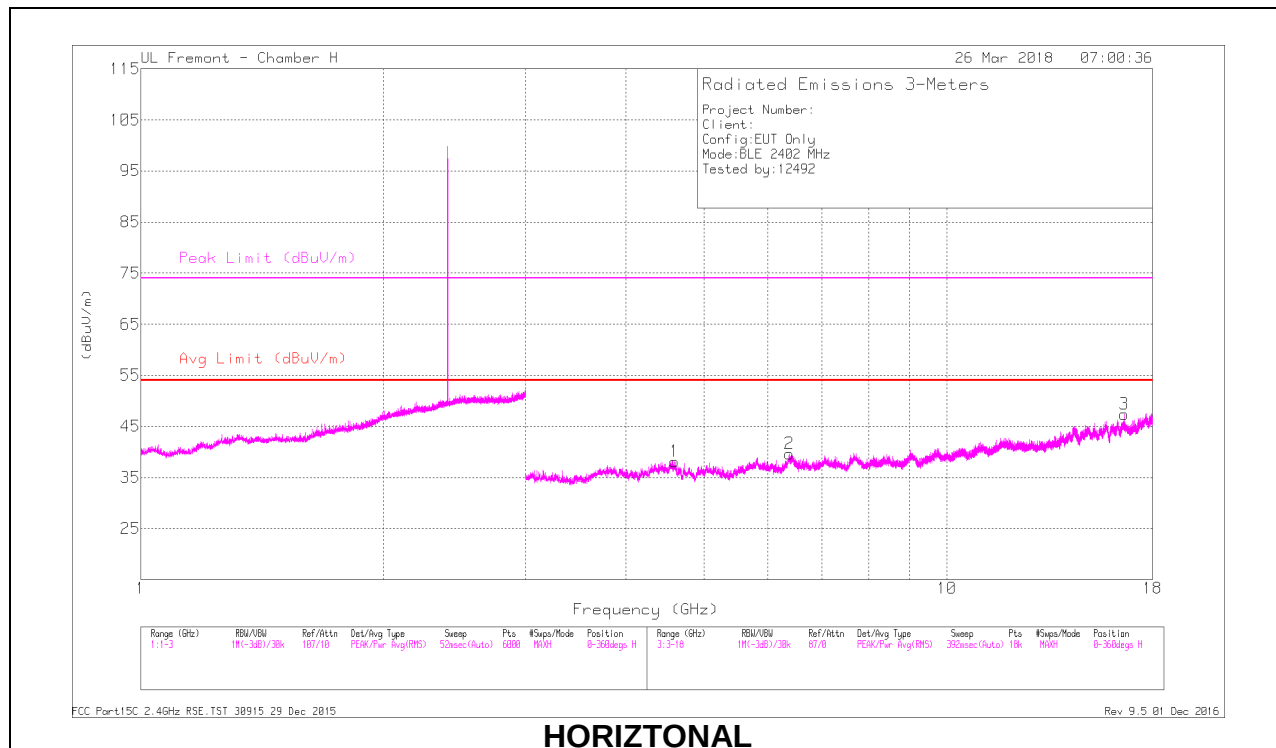
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

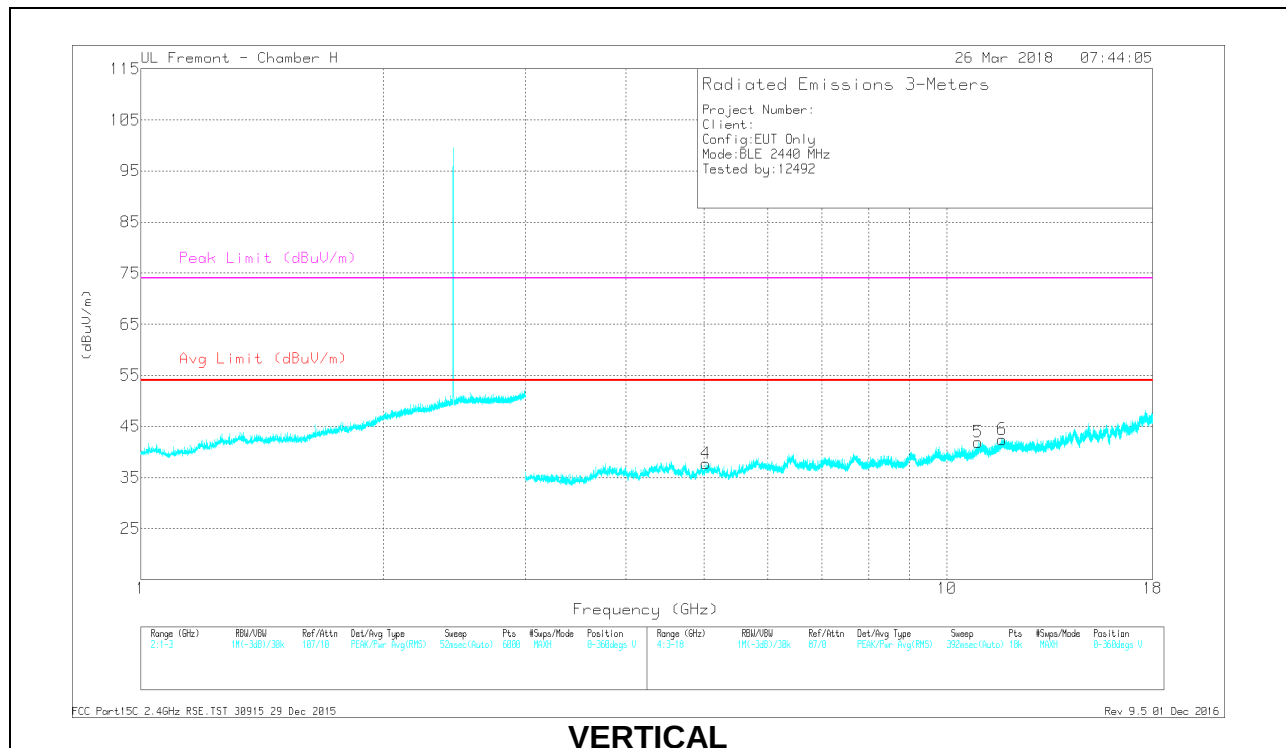
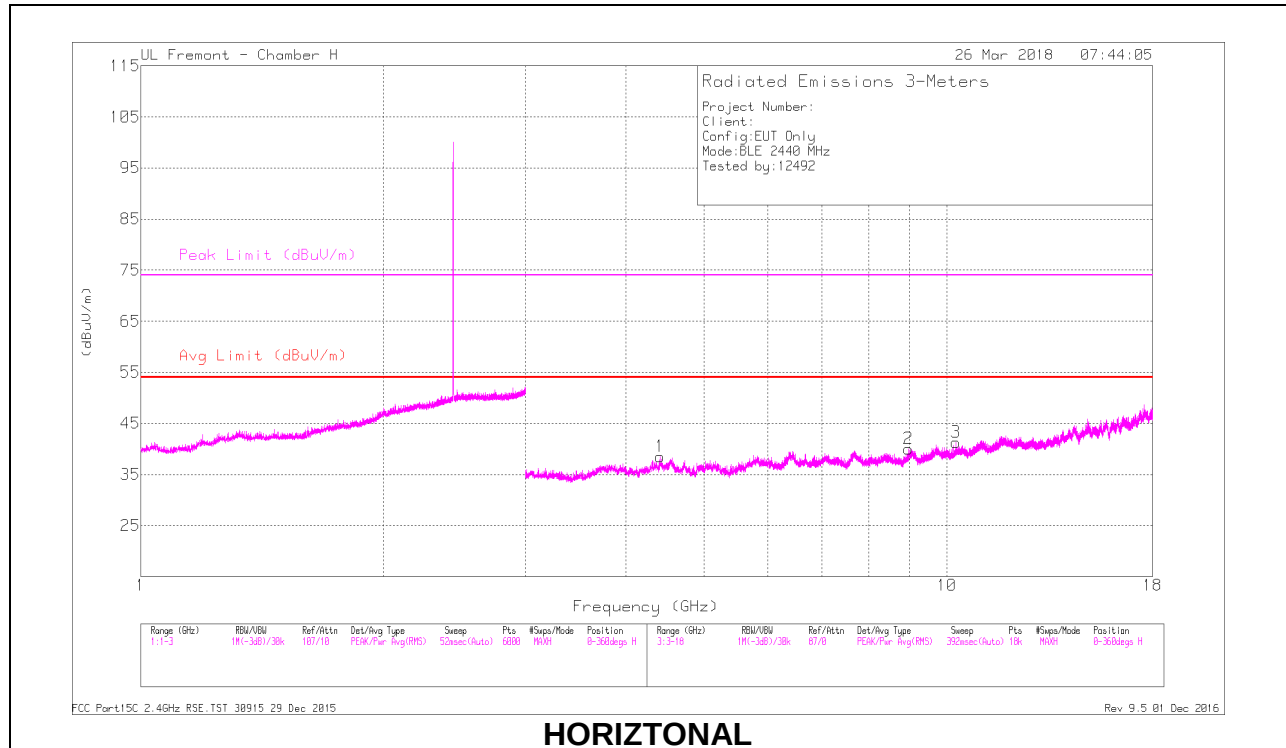
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.595	44.24	PK2	34.3	-34.3	44.24	-	-	74	-29.76	29	294	H
	* 4.595	32.8	MAv1	34.3	-34.3	32.8	54	-21.2	-	-	29	294	H
2	* 3.817	45.02	PK2	33.2	-34.8	43.42	-	-	74	-30.58	260	201	V
	* 3.816	33.77	MAv1	33.2	-34.8	32.17	54	-21.83	-	-	260	201	V
3	* 7.668	39.59	PK2	36.2	-29.6	46.19	-	-	74	-27.81	323	273	V
	* 7.667	27.91	MAv1	36.2	-29.6	34.51	54	-19.49	-	-	323	273	V
4	6.374	42.28	PK2	35.4	-30.8	46.88	-	-	-	-	337	103	H
5	6.438	40.95	PK2	35.5	-30.6	45.85	-	-	-	-	208	250	V
6	16.593	34.63	PK2	41.9	-23	53.53	-	-	-	-	106	298	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

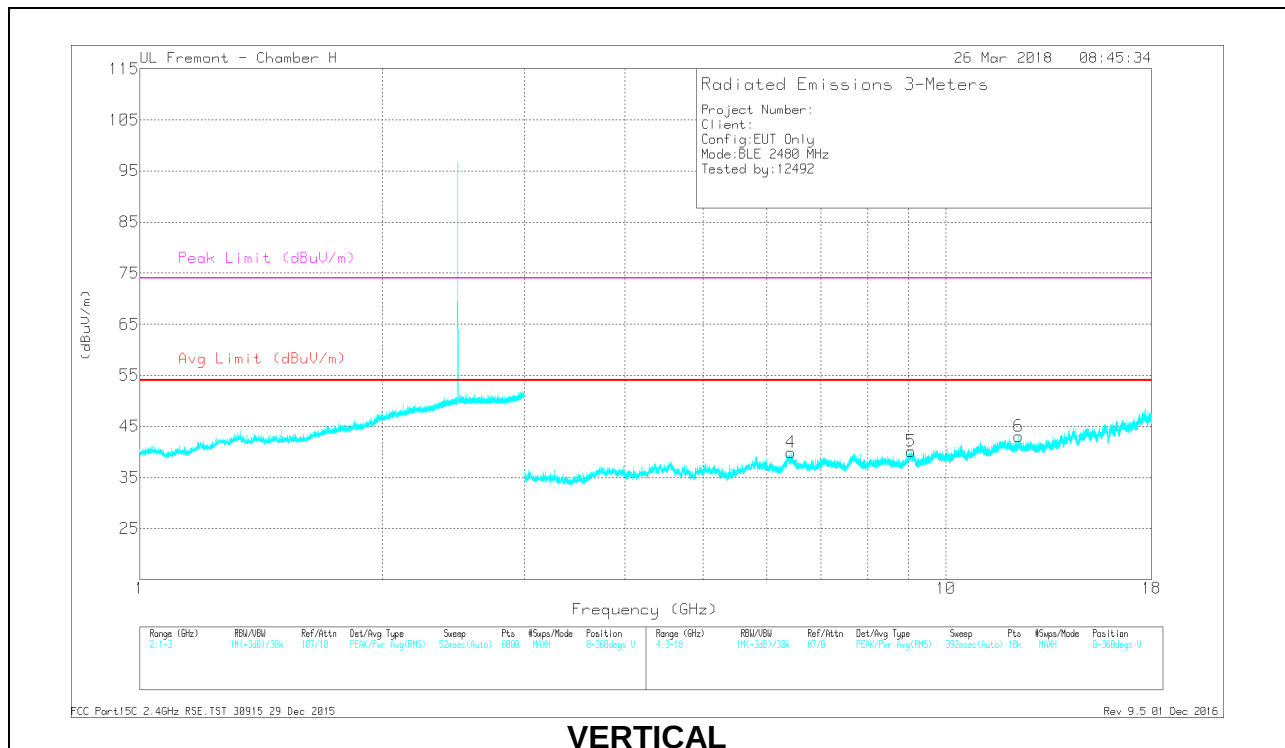
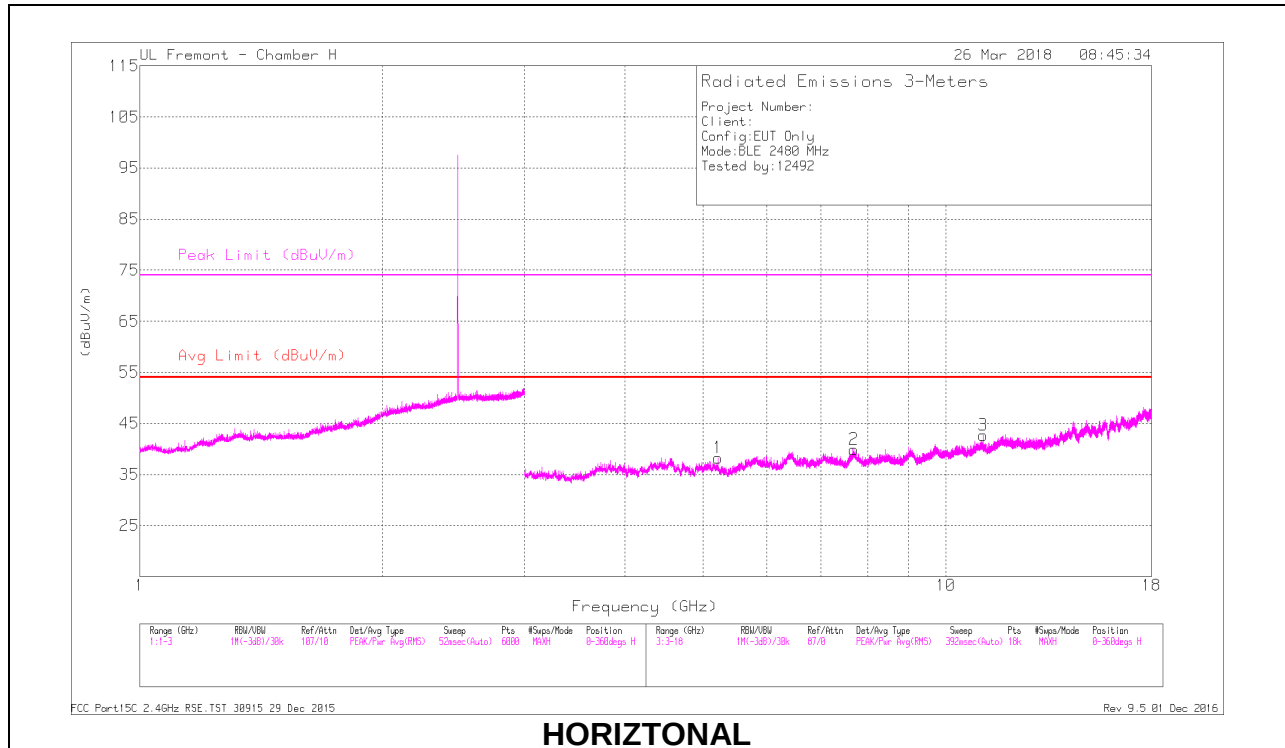
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.026	44.04	PK2	34.1	-33.5	44.64	-	-	74	-29.36	82	320	V
	* 5.028	31.69	MAv1	34.1	-33.5	32.29	54	-21.71	-	-	82	320	V
2	* 10.938	37.4	PK2	37.8	-27.1	48.1	-	-	74	-25.9	140	333	V
	* 10.94	25.73	MAv1	37.9	-27.1	36.53	54	-17.47	-	-	140	333	V
3	* 11.71	36.5	PK2	38.8	-25.9	49.4	-	-	74	-24.6	122	153	V
	* 11.71	24.48	MAv1	38.8	-26	37.28	54	-16.72	-	-	122	153	V
4	4.409	44.42	PK2	34.1	-33.9	44.62	-	-	-	-	360	311	H
5	8.964	39.19	PK2	36.5	-28.8	46.89	-	-	-	-	260	313	H
6	10.275	37.59	PK2	37.4	-28.1	46.89	-	-	-	-	293	365	H

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (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	* 7.69	39.83	PK2	36.2	-29.7	46.33	-	-	74	-27.67	340	334	H
	* 7.688	28.33	MAv1	36.2	-29.7	34.83	54	-19.17	-	-	340	334	H
3	* 11.123	37.11	PK2	38.3	-26.8	48.61	-	-	74	-25.39	205	349	H
	* 11.125	25.27	MAv1	38.3	-26.8	36.77	54	-17.23	-	-	205	349	H
5	* 9.051	38.65	PK2	36.6	-28.3	46.95	-	-	74	-27.05	263	270	V
	* 9.05	26.53	MAv1	36.5	-28.3	34.73	54	-19.27	-	-	263	270	V
6	* 12.313	37.05	PK2	38.8	-25.7	50.15	-	-	74	-23.85	61	385	V
	* 12.312	24.49	MAv1	38.8	-25.7	37.59	54	-16.41	-	-	61	385	V
1	5.218	42.37	PK2	34.3	-33.3	43.37	-	-	-	-	48	400	H
4	6.428	41.86	PK2	35.5	-30.7	46.66	-	-	-	-	153	229	V

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

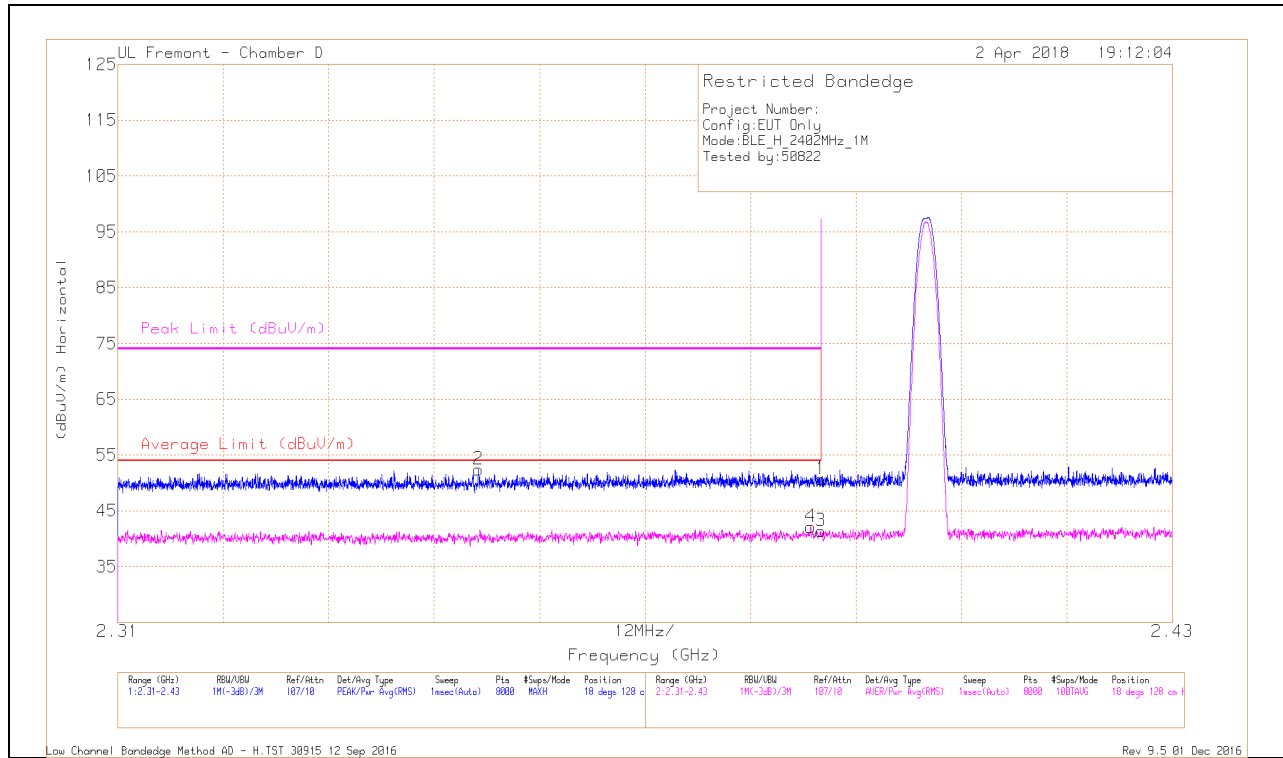
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

Antenna 3

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



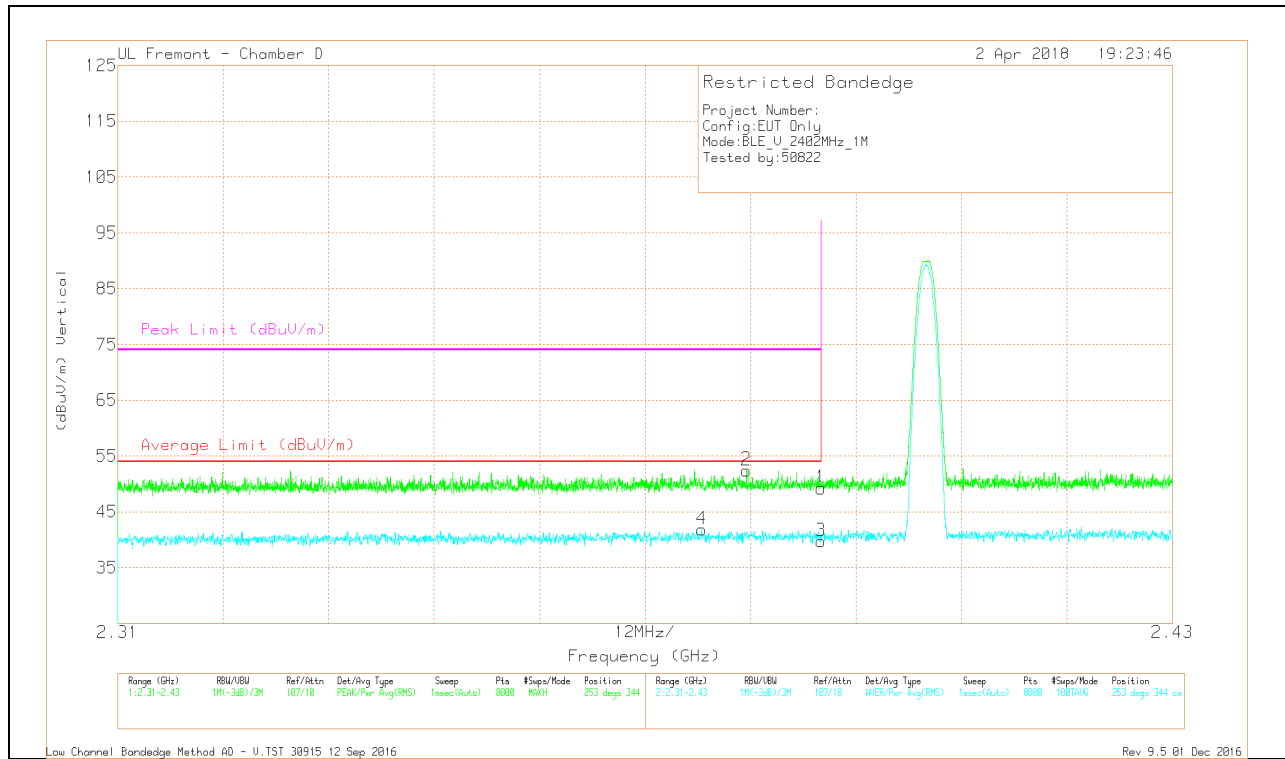
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	39.21	Pk	31.9	-20.5	50.61	-	-	74	-23.39	18	128	H
2	* 2.351	41.43	Pk	31.6	-20.6	52.43	-	-	74	-21.57	18	128	H
3	* 2.39	29.94	RMS	31.9	-20.5	41.34	54	-12.66	-	-	18	128	H
4	* 2.389	30.71	RMS	31.9	-20.5	42.11	54	-11.89	-	-	18	128	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	37.84	Pk	31.9	-20.5	49.24	-	-	74	-24.76	253	344	V
2	* 2.382	41.16	Pk	31.8	-20.5	52.46	-	-	74	-21.54	253	344	V
3	* 2.39	28.36	RMS	31.9	-20.5	39.76	54	-14.24	-	-	253	344	V
4	* 2.376	30.4	RMS	31.8	-20.4	41.8	54	-12.2	-	-	253	344	V

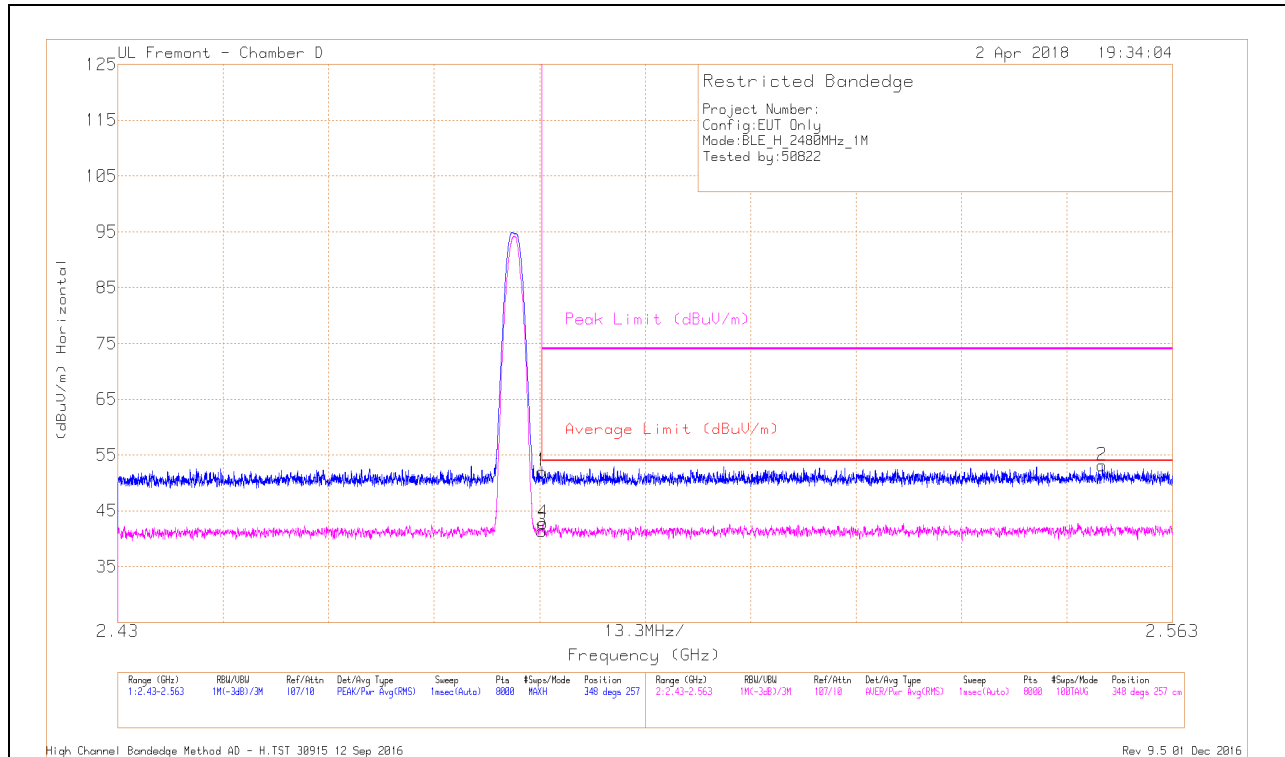
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

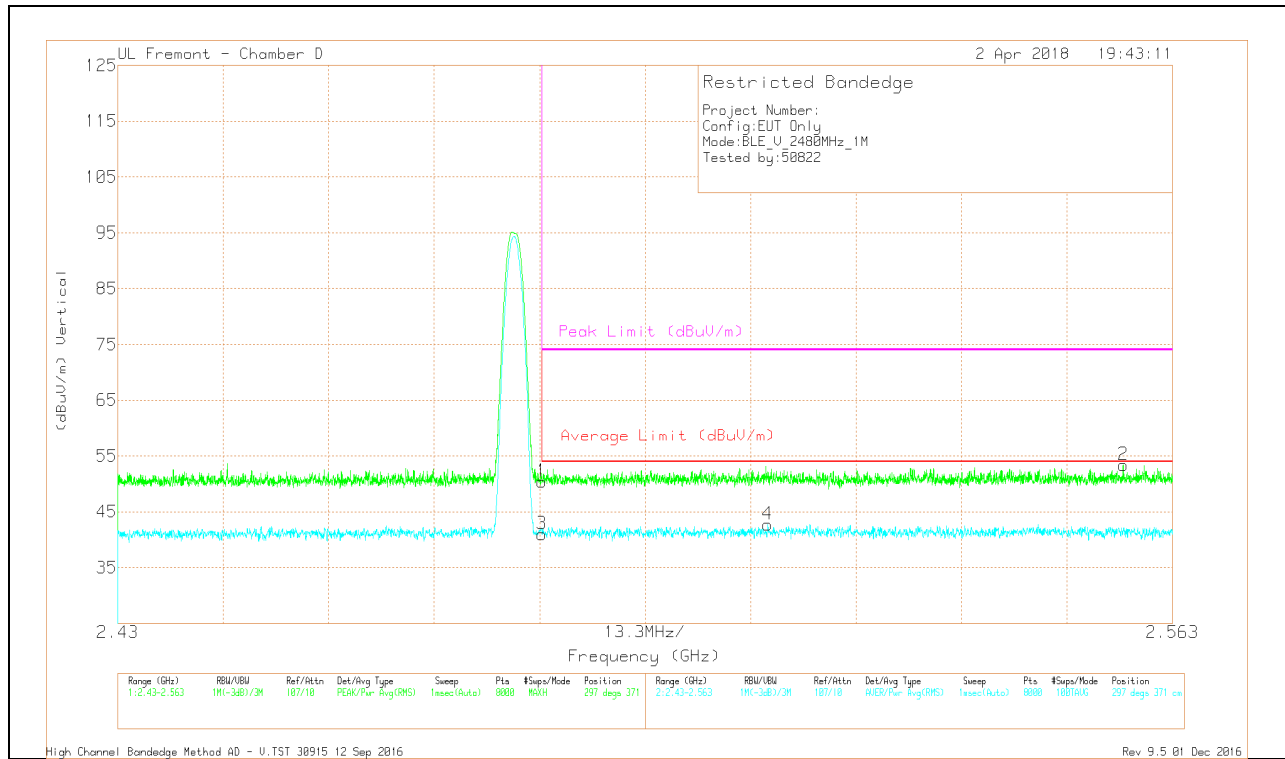
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.09	Pk	32.4	-20.4	52.09	-	-	74	-21.91	348	257	H
3	* 2.484	29.41	RMS	32.4	-20.4	41.41	54	-12.59	-	-	348	257	H
4	* 2.484	30.99	RMS	32.4	-20.5	42.89	54	-11.11	-	-	348	257	H
2	2.554	40.91	Pk	32.5	-20.3	53.11	-	-	74	-20.89	348	257	H

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

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	38.44	Pk	32.4	-20.4	50.44	-	-	74	-23.56	297	371	V
3	* 2.484	29	RMS	32.4	-20.4	41	54	-13	-	-	297	371	V
4	2.512	30.63	RMS	32.4	-20.3	42.73	54	-11.27	-	-	297	371	V
2	2.557	41.15	Pk	32.5	-20.2	53.45	-	-	74	-20.55	297	371	V

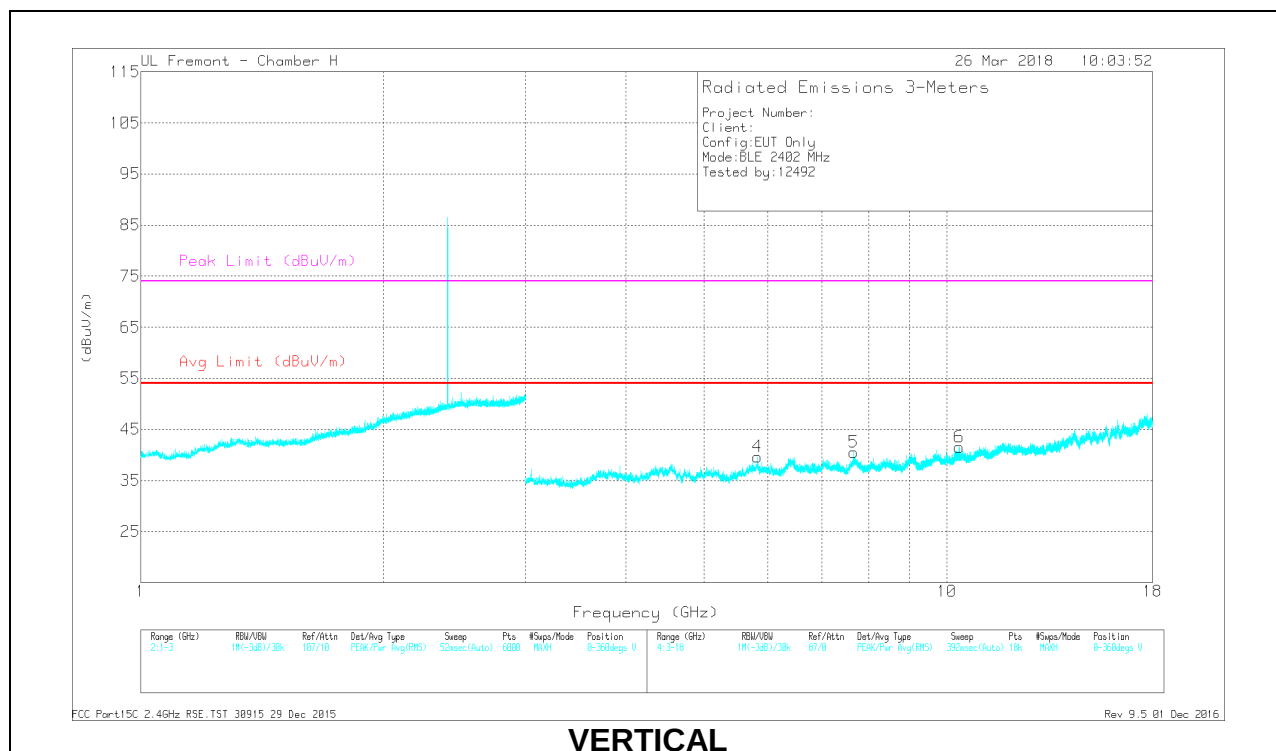
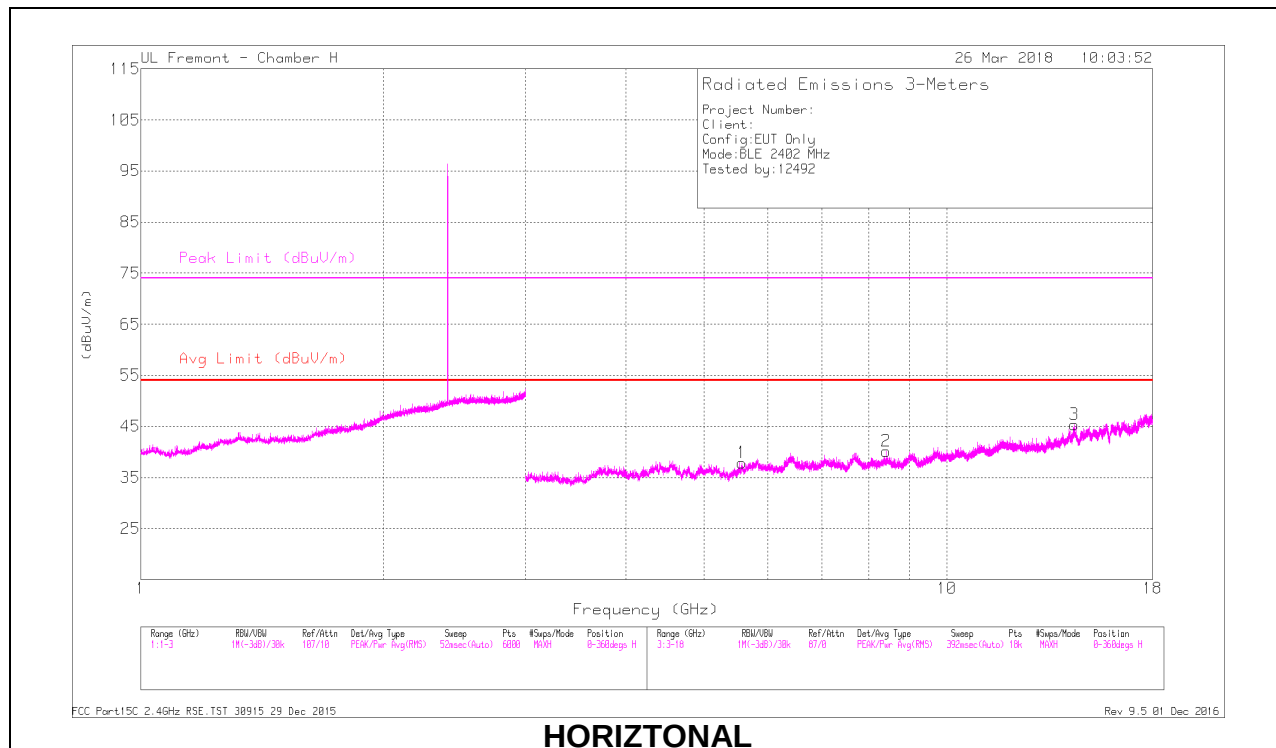
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

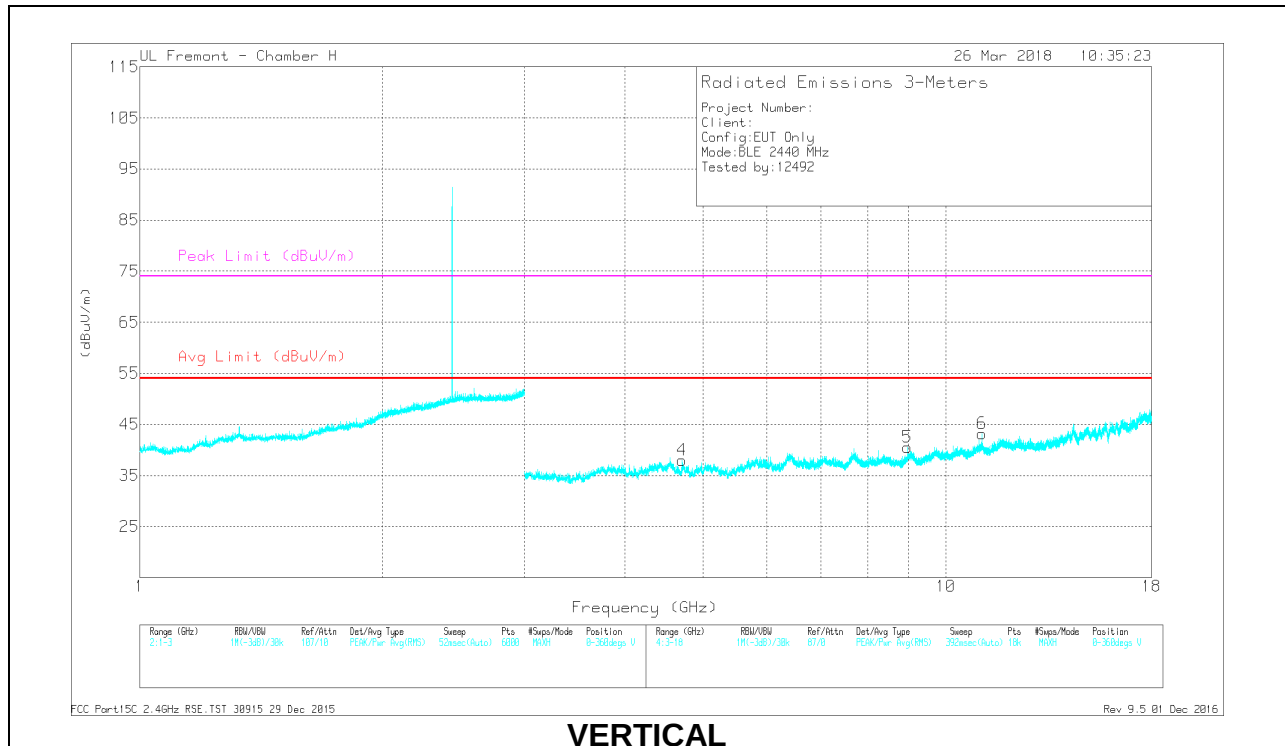
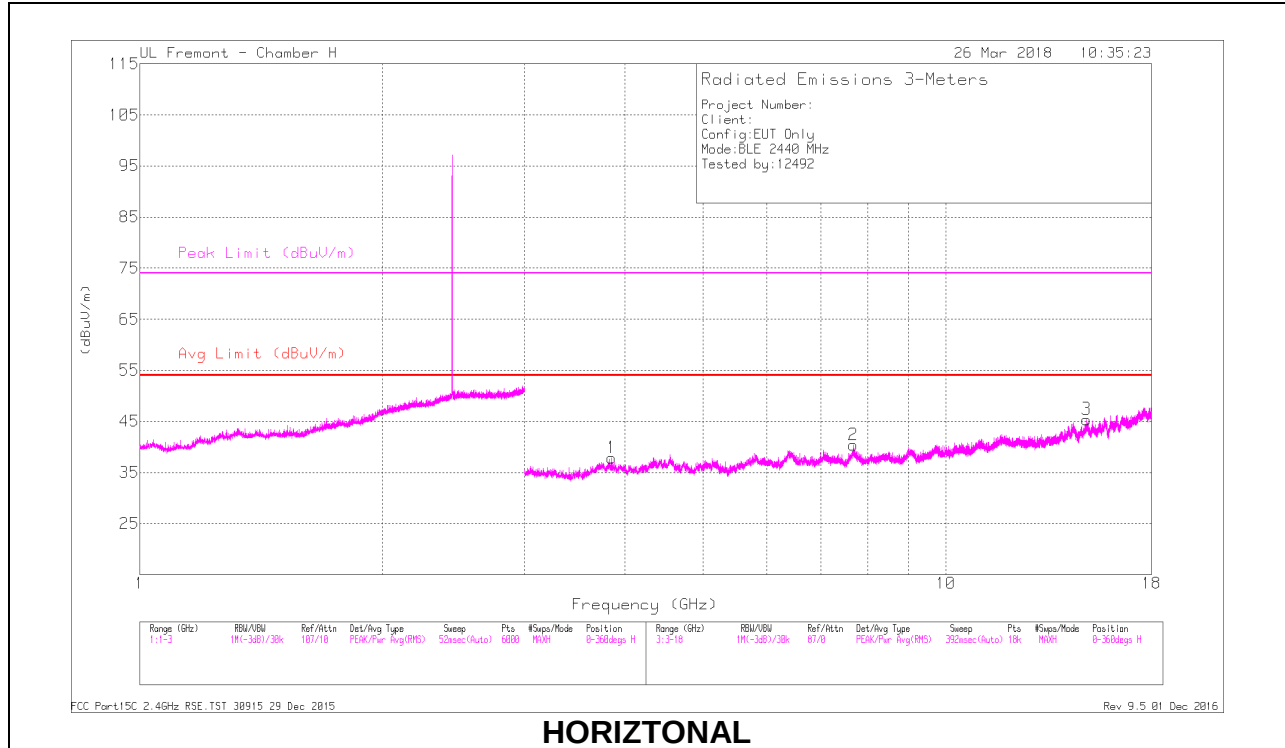
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 8.412	38.72	PK2	36	-29.4	45.32	-	-	74	-28.68	112	153	H
	* 8.411	26.99	MAv1	36	-29.4	33.59	54	-20.41	-	-	112	153	H
5	* 7.671	39.75	PK2	36.2	-29.5	46.45	-	-	74	-27.55	13	165	V
	* 7.67	28.01	MAv1	36.2	-29.5	34.71	54	-19.29	-	-	13	165	V
1	5.571	42.2	PK2	34.8	-32.9	44.1	-	-	-	-	213	327	H
4	5.82	41.58	PK2	35.4	-31.8	45.18	-	-	-	-	203	286	V
5	10.363	37.9	PK2	37.5	-28.3	47.1	-	-	-	-	75	392	V
6	14.393	34.74	PK2	40.6	-23.7	51.64	-	-	-	-	203	155	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

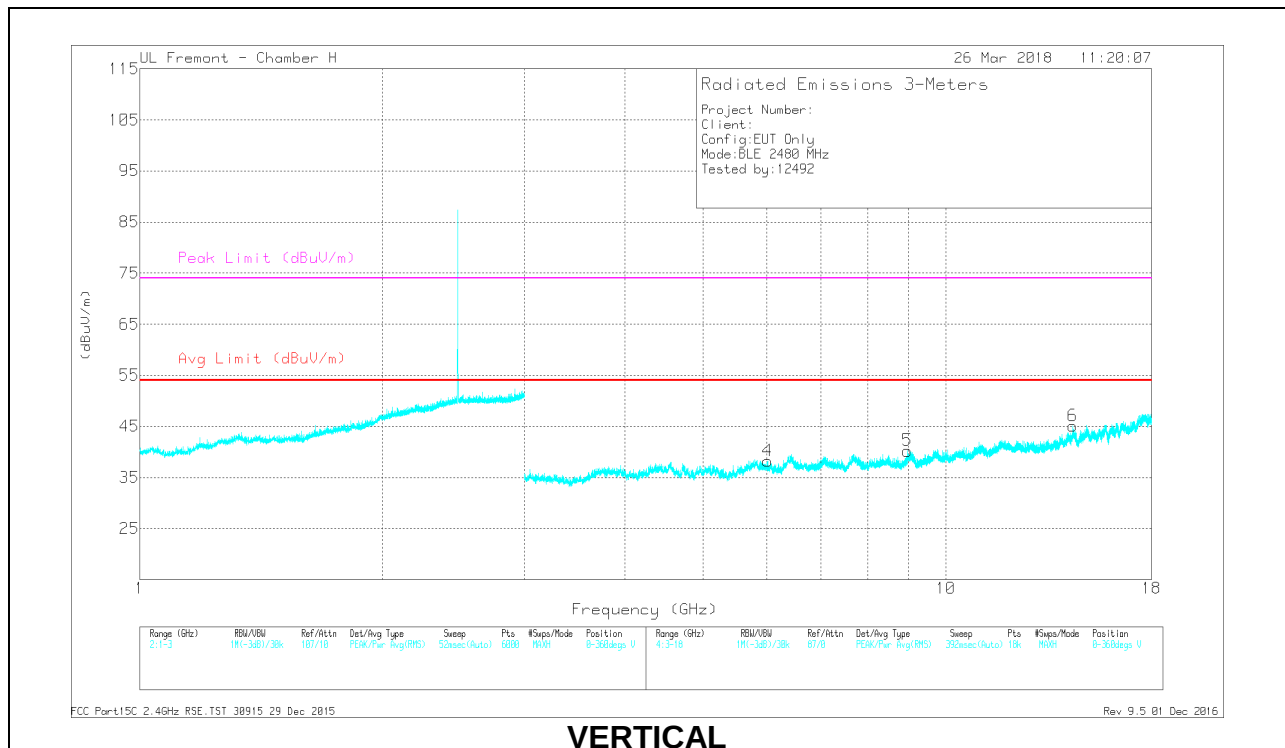
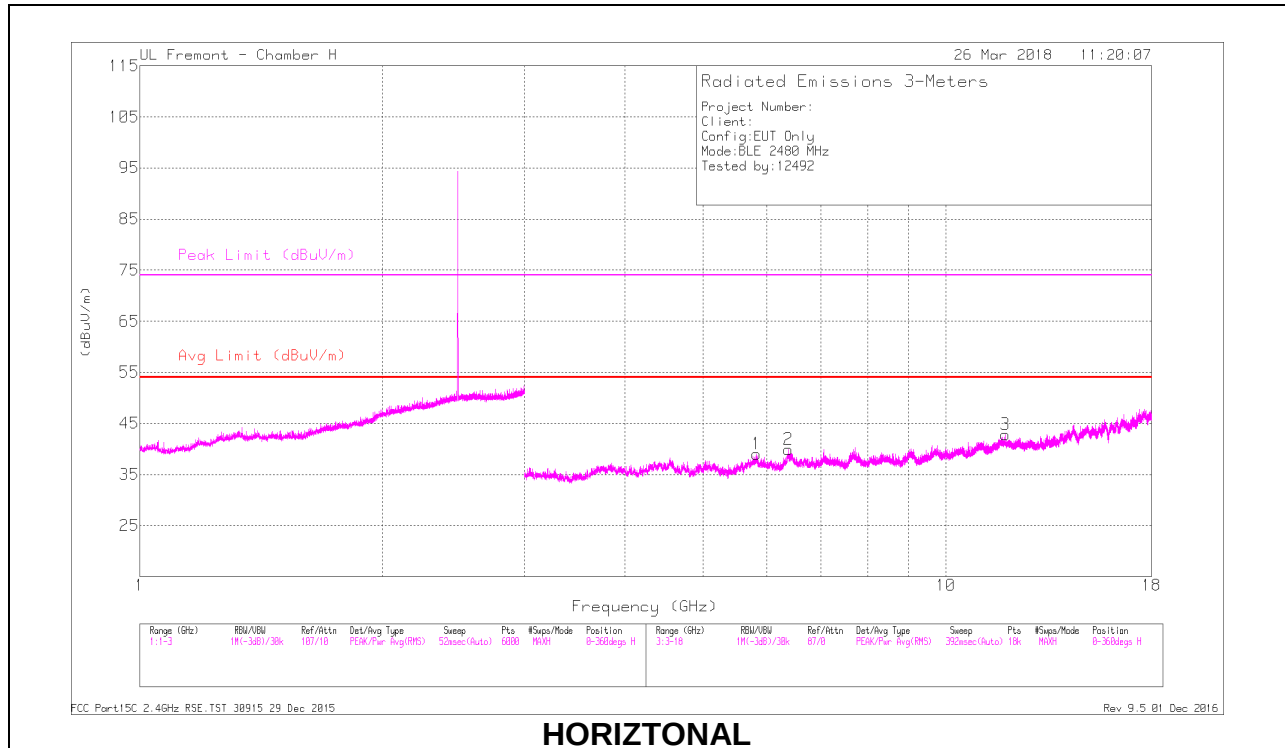
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.848	45.21	PK2	33.3	-34.8	43.71	-	-	74	-30.29	11	146	H
	* 3.847	33.49	MAv1	33.3	-34.8	31.99	54	-22.01	-	-	11	146	H
2	* 7.674	39.86	PK2	36.2	-29.5	46.56	-	-	74	-27.44	227	399	H
	* 7.676	28.13	MAv1	36.2	-29.5	34.83	54	-19.17	-	-	227	399	H
4	* 4.707	42.11	PK2	34.1	-33.8	42.41	-	-	74	-31.59	5	135	V
	* 4.707	30.84	MAv1	34.1	-33.8	31.14	54	-22.86	-	-	5	135	V
6	* 11.089	36.76	PK2	38.3	-26.9	48.16	-	-	74	-25.84	196	358	V
	* 11.089	25.29	MAv1	38.3	-26.9	36.69	54	-17.31	-	-	196	358	V
5	8.968	39.22	PK2	36.5	-28.7	47.02	-	-	-	-	307	218	V
3	14.959	35.53	PK2	40.8	-23.9	52.43	-	-	-	-	93	331	H

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (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	* 11.866	35.23	PK2	39	-25.9	48.33	-	-	74	-25.67	24	115	H
	* 11.866	24.05	MAv1	39	-25.9	37.15	54	-16.85	-	-	24	115	H
1	5.822	41.6	PK2	35.4	-31.8	45.2	-	-	-	-	73	184	H
4	6.013	40.15	PK2	35.4	-31.9	43.65	-	-	-	-	321	300	V
2	6.38	41.64	PK2	35.5	-30.7	46.44	-	-	-	-	9	291	H
5	8.964	38.88	PK2	36.5	-28.8	46.58	-	-	-	-	327	345	V
6	14.382	34.85	PK2	40.5	-23.6	51.75	-	-	-	-	151	108	V

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

PK2 - KDB558074 Method: Maximum Peak

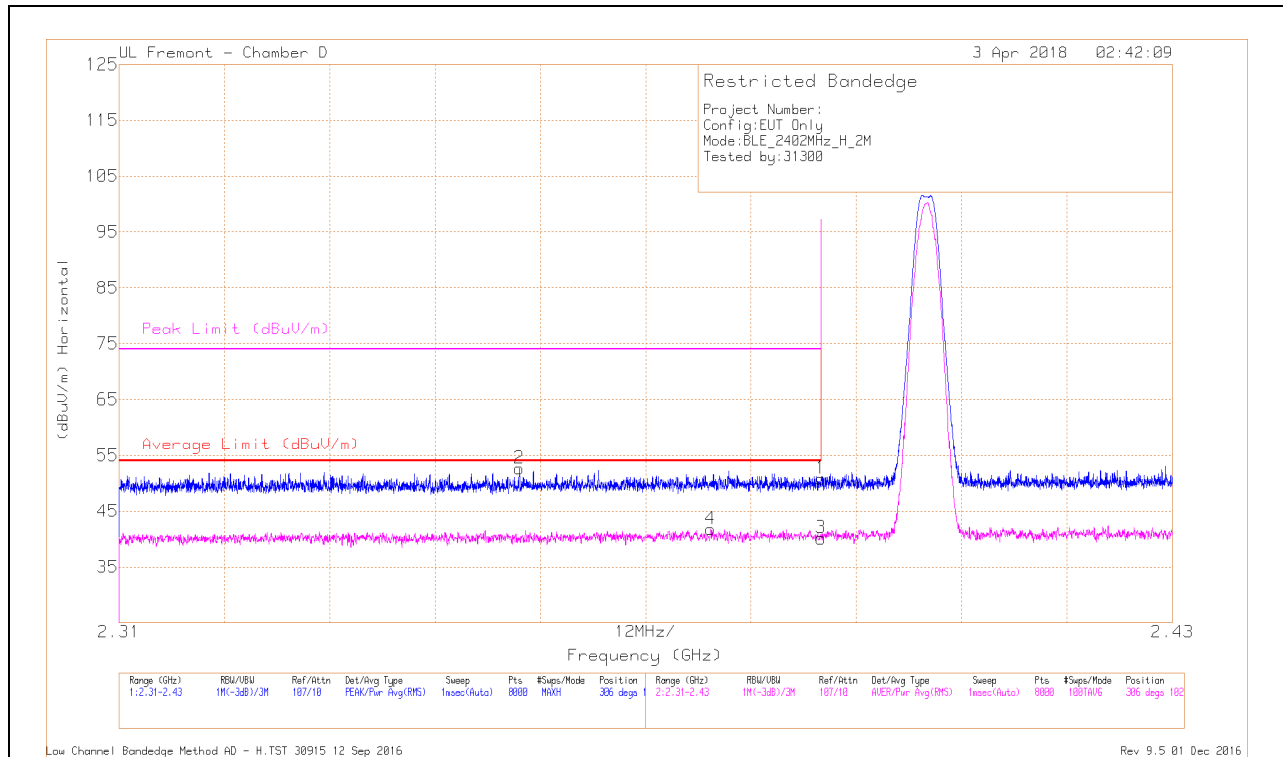
MAv1 - KDB558074 Option 1 Maximum RMS Average

9.2.4. LOW POWER BLE (2Mbps)

Antenna 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



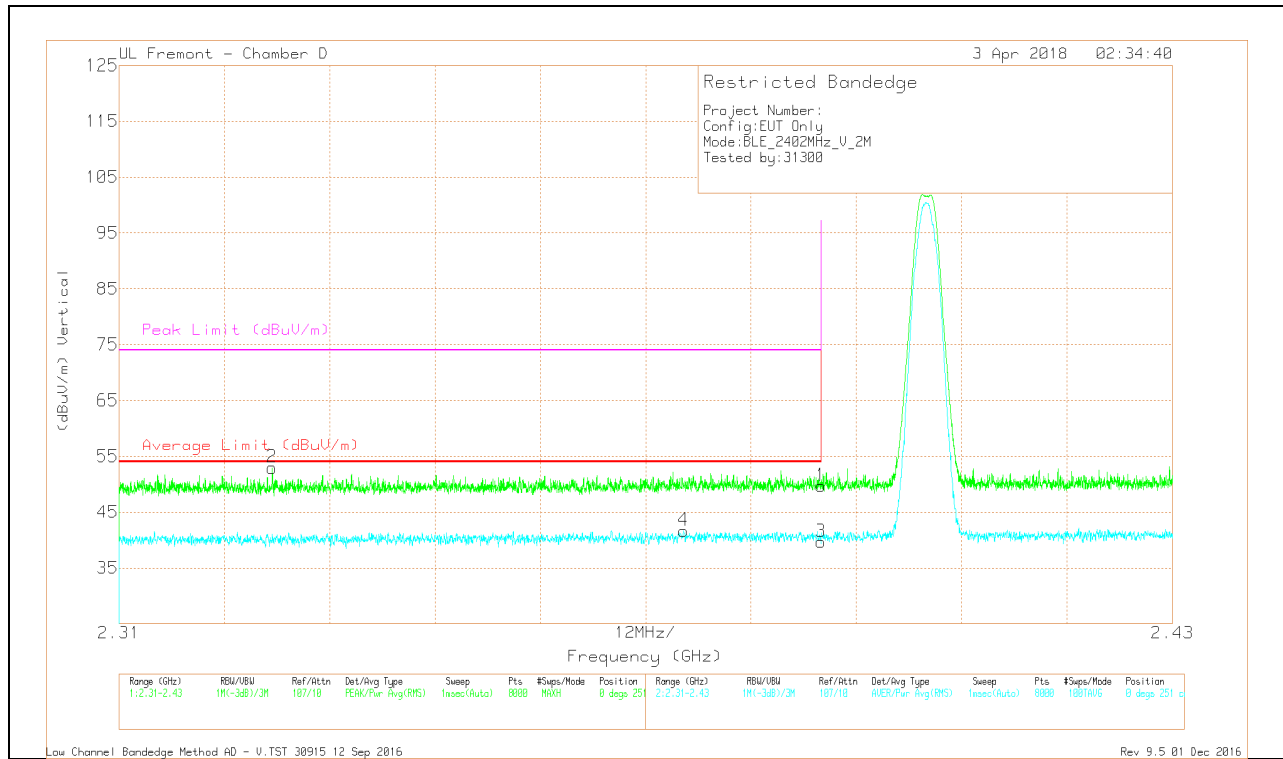
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.356	41.56	Pk	31.7	-20.6	52.66	-	-	74	-21.34	306	102	H
4	* 2.377	30.35	RMS	31.8	-20.4	41.75	54	-12.25	-	-	306	102	H
1	* 2.39	39.46	Pk	31.9	-20.5	50.86	-	-	74	-23.14	306	102	H
3	* 2.39	28.73	RMS	31.9	-20.5	40.13	54	-13.87	-	-	306	102	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.327	42.06	Pk	31.5	-20.6	52.96	-	-	74	-21.04	0	251	V
4	* 2.374	30.39	RMS	31.8	-20.5	41.69	54	-12.31	-	-	0	251	V
1	* 2.39	38.31	Pk	31.9	-20.5	49.71	-	-	74	-24.29	0	251	V
3	* 2.39	28.3	RMS	31.9	-20.5	39.7	54	-14.3	-	-	0	251	V

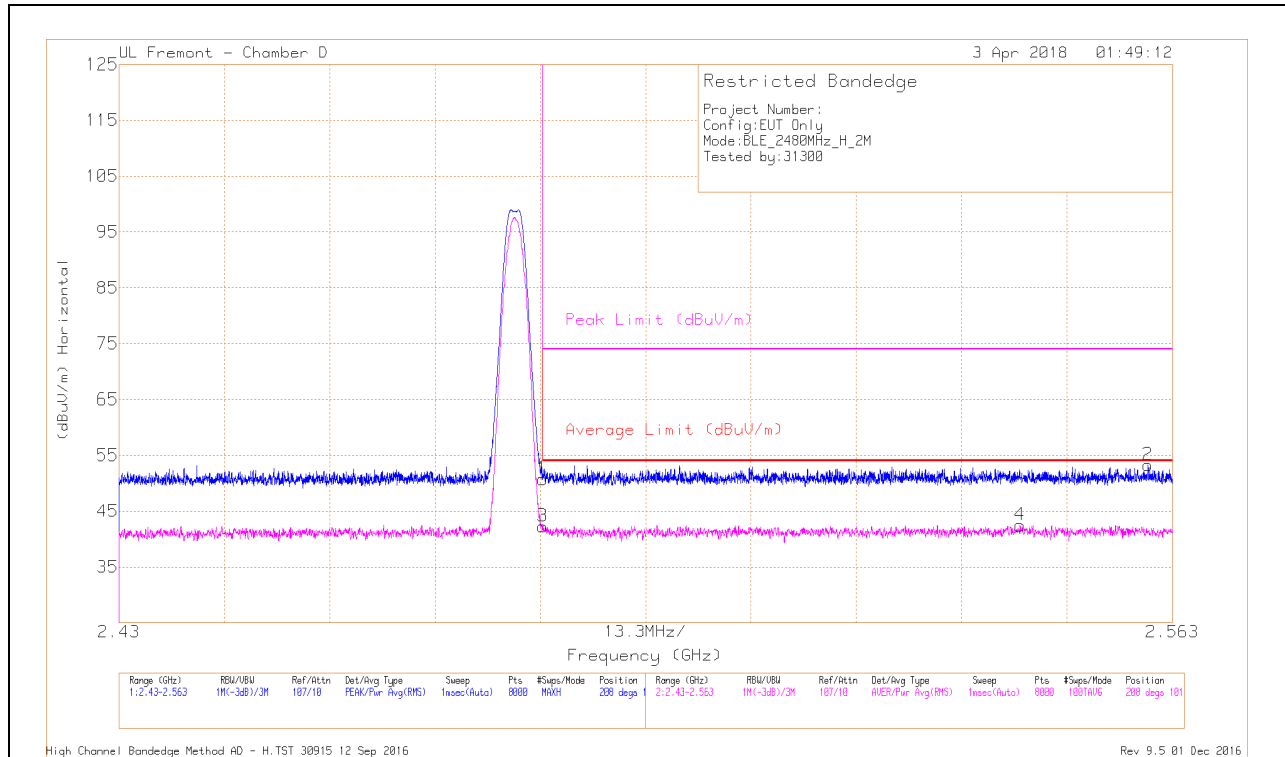
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

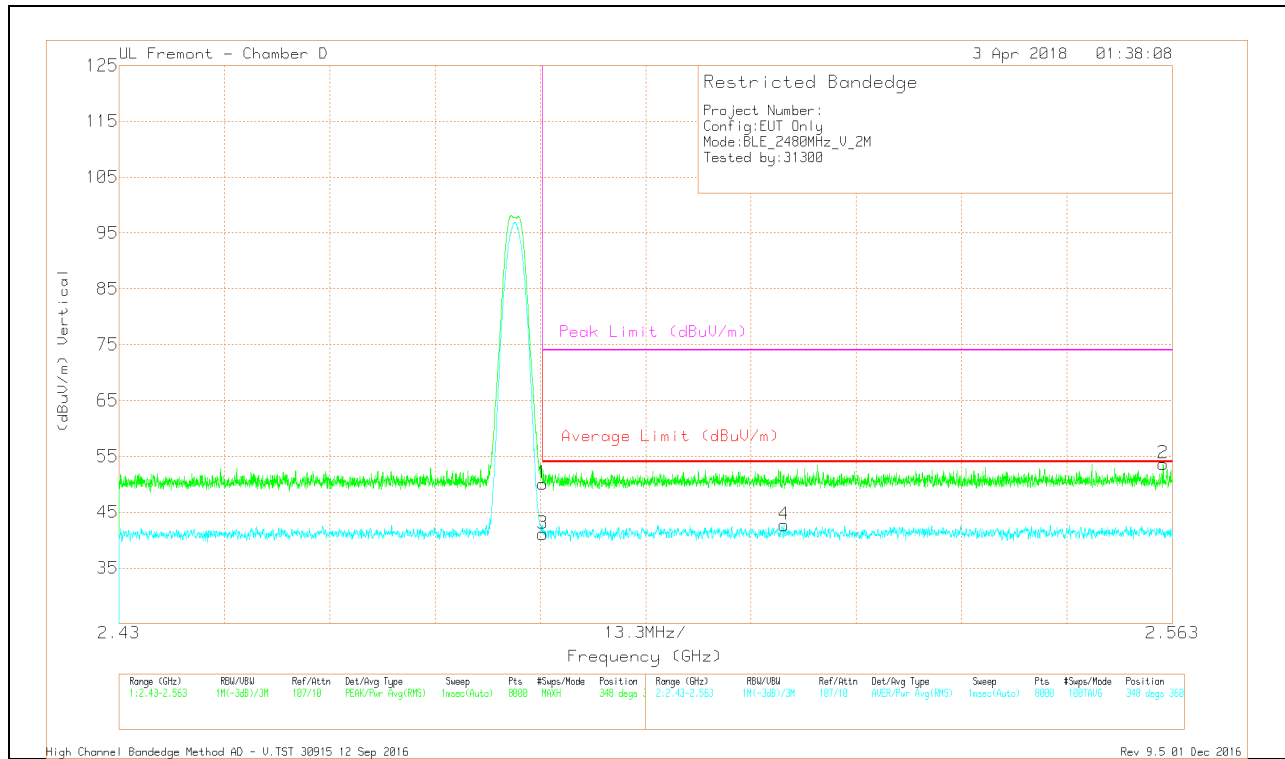
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	38.76	Pk	32.4	-20.4	50.76	-	-	74	-23.24	208	101	H
3	* 2.484	30.26	RMS	32.4	-20.4	42.26	54	-11.74	-	-	208	101	H
4	2.544	30.36	RMS	32.4	-20.3	42.46	54	-11.54	-	-	208	101	H
2	2.56	41.06	Pk	32.5	-20.3	53.26	-	-	74	-20.74	208	101	H

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

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	38.14	Pk	32.4	-20.4	50.14	-	-	74	-23.86	348	360	V
3	* 2.484	29.12	RMS	32.4	-20.4	41.12	54	-12.88	-	-	348	360	V
4	2.514	30.6	RMS	32.4	-20.3	42.7	54	-11.3	-	-	348	360	V
2	2.562	41.59	Pk	32.5	-20.4	53.69	-	-	74	-20.31	348	360	V

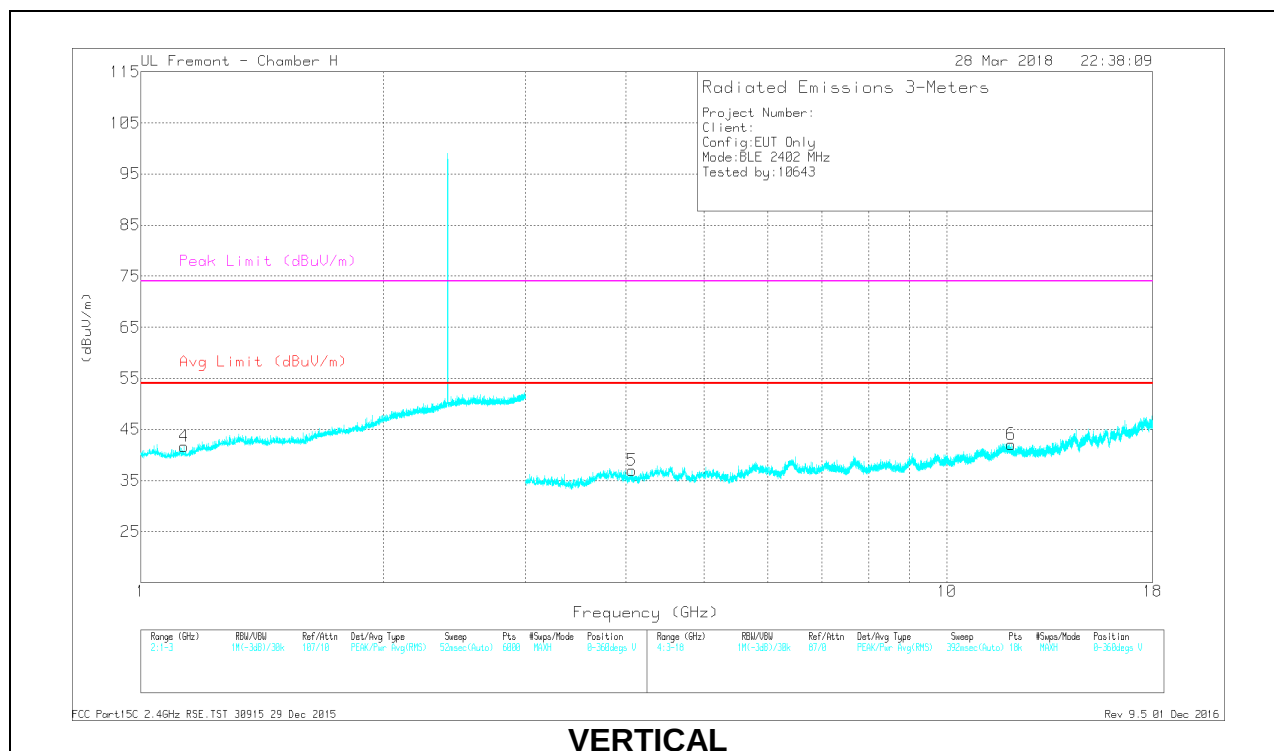
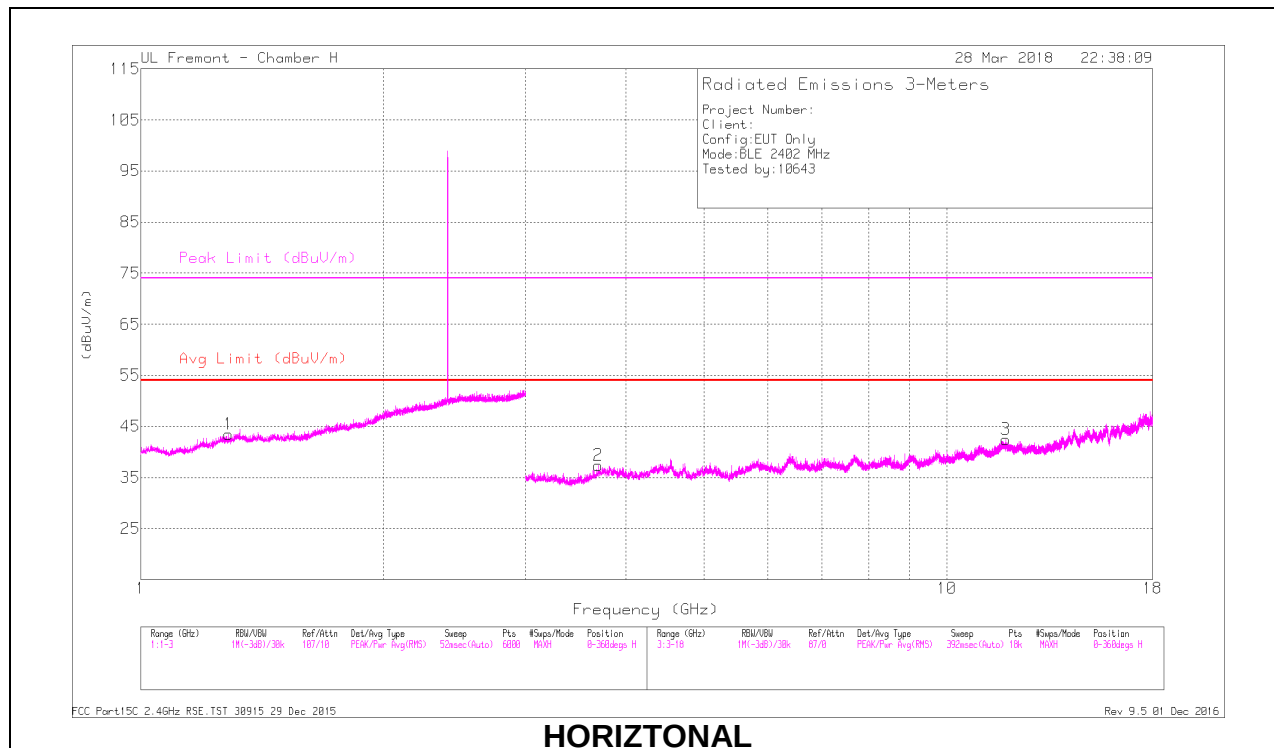
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

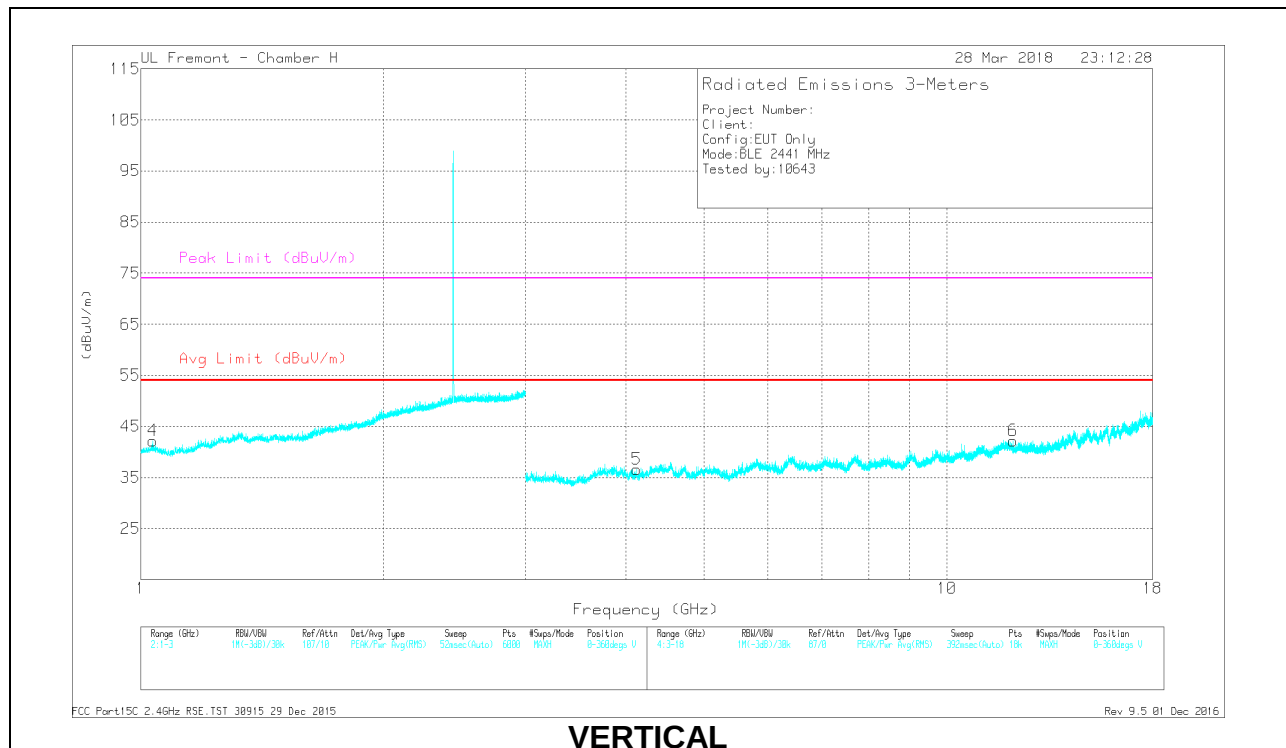
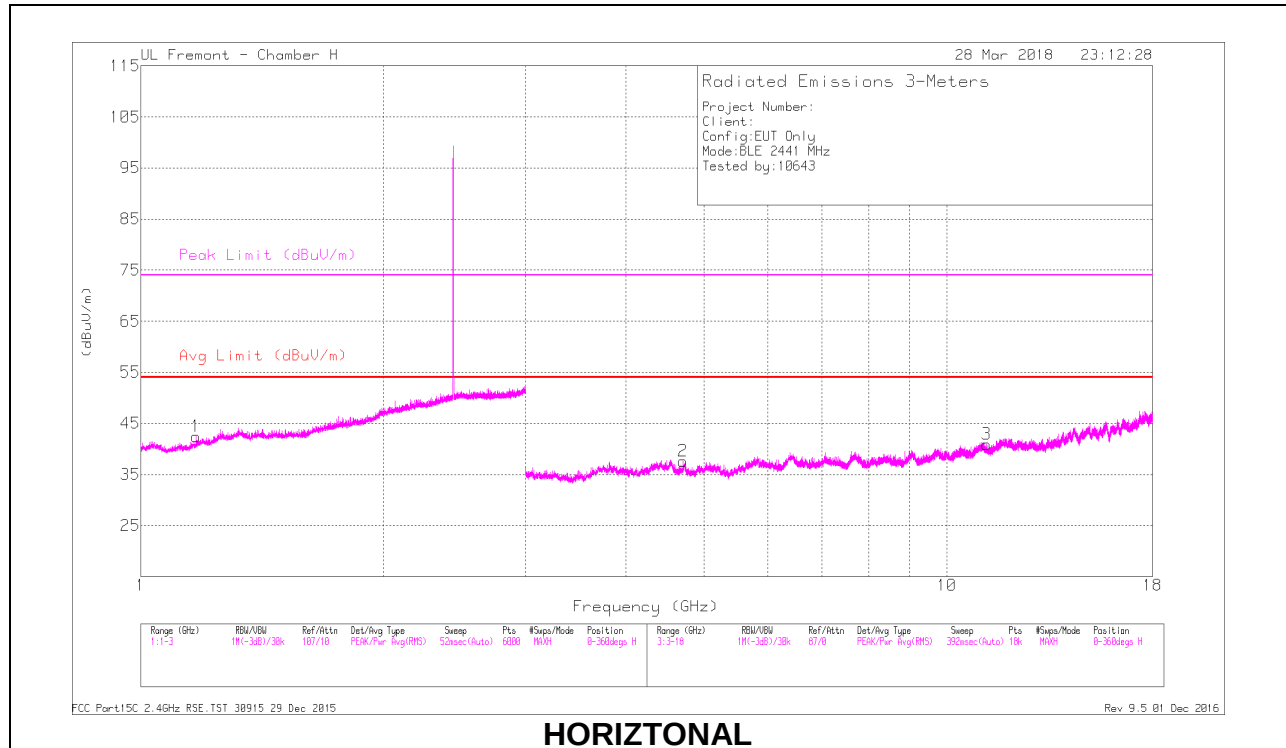
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.284	35.24	PK2	29	-15.9	48.34	-	-	74	-25.66	9	177	H
	* 1.283	23.41	MAv1	29	-15.8	36.61	54	-17.39	-	-	9	177	H
4	* 1.132	35.96	PK2	27.2	-16	47.16	-	-	74	-26.84	170	183	V
	* 1.13	23.65	MAv1	27.2	-16	34.85	54	-19.15	-	-	170	183	V
2	* 3.696	45.8	PK2	33	-35.5	43.3	-	-	74	-30.7	18	350	H
	* 3.695	33.34	MAv1	33	-35.5	30.84	54	-23.16	-	-	18	350	H
3	* 11.846	34.89	PK2	39	-25.8	48.09	-	-	74	-25.91	354	329	H
	* 11.845	23.07	MAv1	39	-25.8	36.27	54	-17.73	-	-	354	329	H
5	* 4.07	41.95	PK2	33.5	-34.2	41.25	-	-	74	-32.75	105	187	V
	* 4.068	30.68	MAv1	33.5	-34.2	29.98	54	-24.02	-	-	105	187	V
6	* 12.02	34.17	PK2	39.4	-26	47.57	-	-	74	-26.43	105	187	V
	* 12.019	22.31	MAv1	39.4	-26	35.71	54	-18.29	-	-	105	187	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

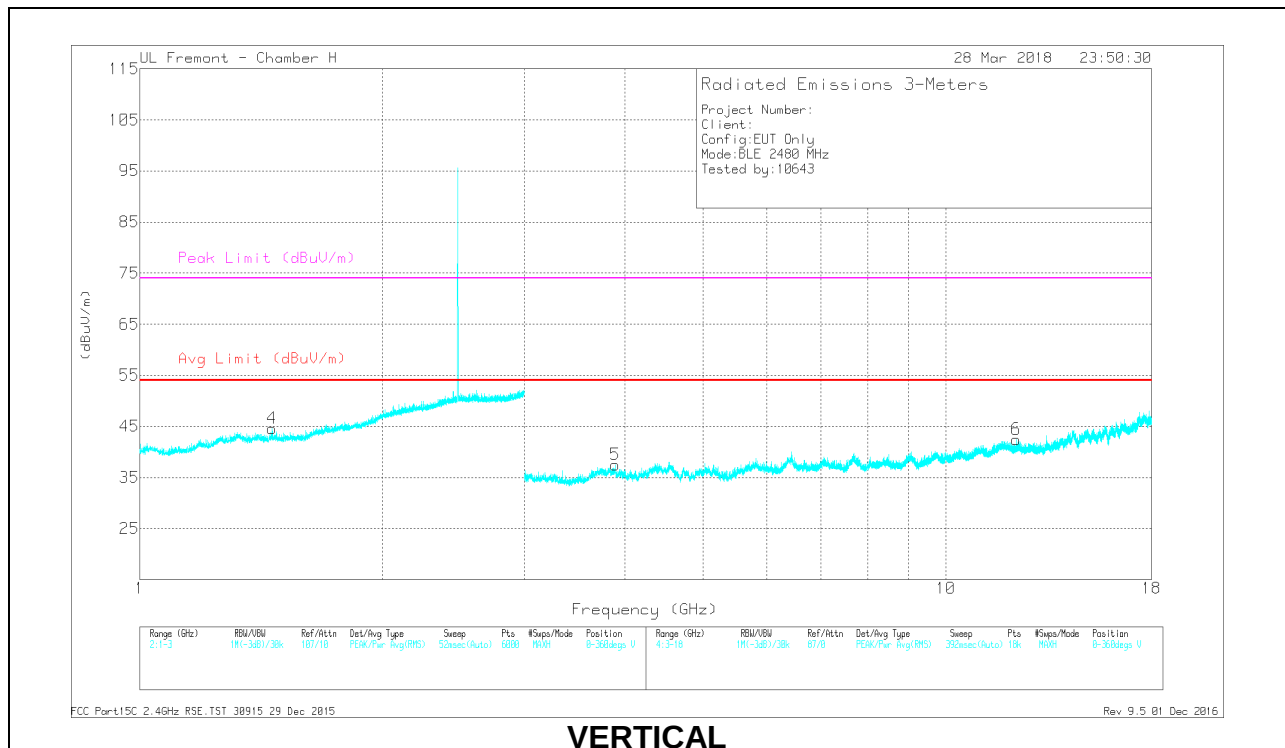
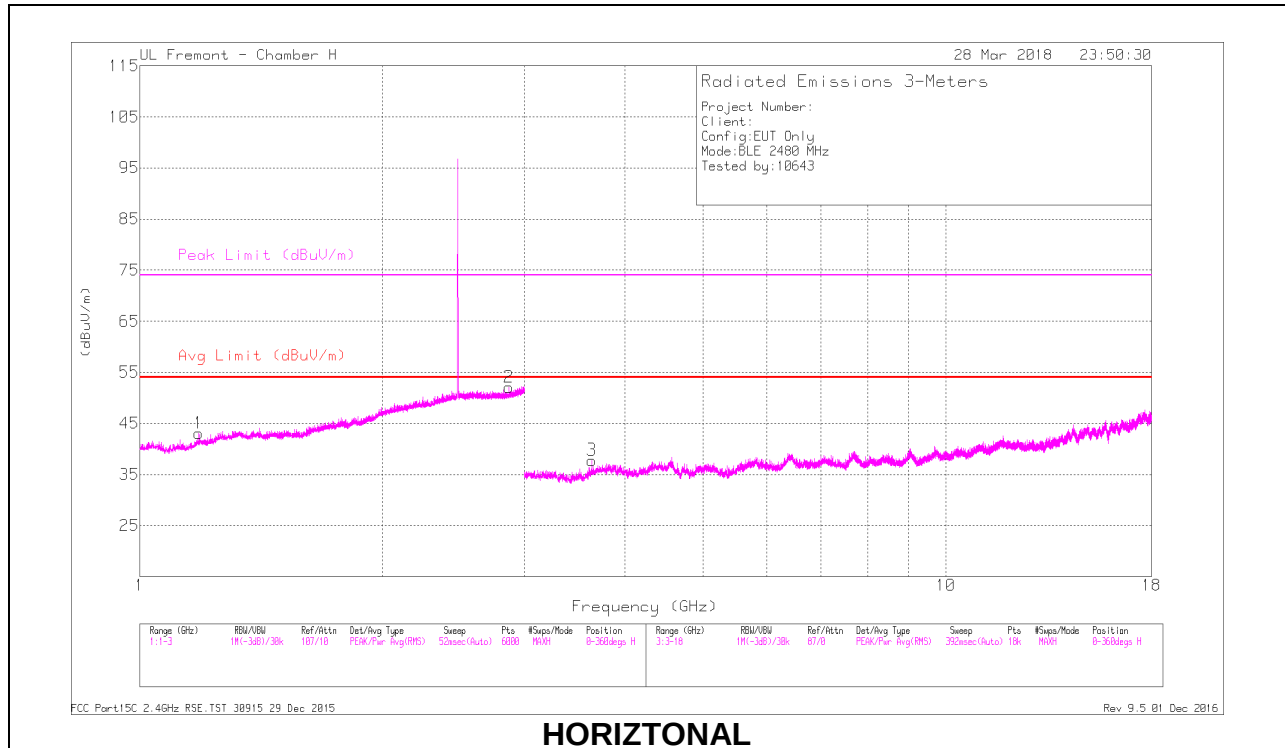
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.172	35.47	PK2	27.6	-16	47.07	-	-	74	-26.93	268	358	H
	* 1.173	23.86	MAv1	27.6	-15.9	35.56	54	-18.44	-	-	268	358	H
4	* 1.033	35.43	PK2	27.4	-16.2	46.63	-	-	74	-27.37	143	324	V
	* 1.036	24.09	MAv1	27.3	-16.2	35.19	54	-18.81	-	-	143	324	V
2	* 4.709	41.09	PK2	34.1	-33.8	41.39	-	-	74	-32.61	243	287	H
	* 4.708	29.27	MAv1	34.1	-33.8	29.57	54	-24.43	-	-	243	287	H
3	* 11.195	35.06	PK2	38.2	-26.4	46.86	-	-	74	-27.14	356	385	H
	* 11.194	23.17	MAv1	38.2	-26.4	34.97	54	-19.03	-	-	356	385	H
5	* 4.127	42.08	PK2	33.5	-34.1	41.48	-	-	74	-32.52	222	111	V
	* 4.125	30.45	MAv1	33.5	-34.2	29.75	54	-24.25	-	-	222	111	V
6	* 12.084	34.93	PK2	39	-26	47.93	-	-	74	-26.07	222	111	V
	* 12.083	22.43	MAv1	39	-26	35.43	54	-18.57	-	-	222	111	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 T344 (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	* 1.184	36.62	PK2	27.7	-15.9	48.42	-	-	74	-25.58	289	320	H
	* 1.186	24.17	MAv1	27.7	-15.9	35.97	54	-18.03	-	-	289	320	H
2	* 2.869	36.67	PK2	32.6	-13.6	55.67	-	-	74	-18.33	218	291	H
	* 2.87	24.98	MAv1	32.6	-13.6	43.98	54	-10.02	-	-	218	291	H
4	* 1.461	35.7	PK2	28.6	-15.5	48.8	-	-	74	-25.2	342	165	V
	* 1.461	24.03	MAv1	28.6	-15.5	37.13	54	-16.87	-	-	342	165	V
3	* 3.637	44.01	PK2	33.1	-35.3	41.81	-	-	74	-32.19	299	237	H
	* 3.636	32.55	MAv1	33.1	-35.3	30.35	54	-23.65	-	-	299	237	H
5	* 3.887	43.62	PK2	33.4	-34.7	42.32	-	-	74	-31.68	43	222	V
	* 3.885	31.87	MAv1	33.4	-34.7	30.57	54	-23.43	-	-	43	222	V
6	* 12.239	34.99	PK2	38.7	-25.8	47.89	-	-	74	-26.11	301	382	V
	* 12.238	23.07	MAv1	38.7	-25.8	35.97	54	-18.03	-	-	301	382	V

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

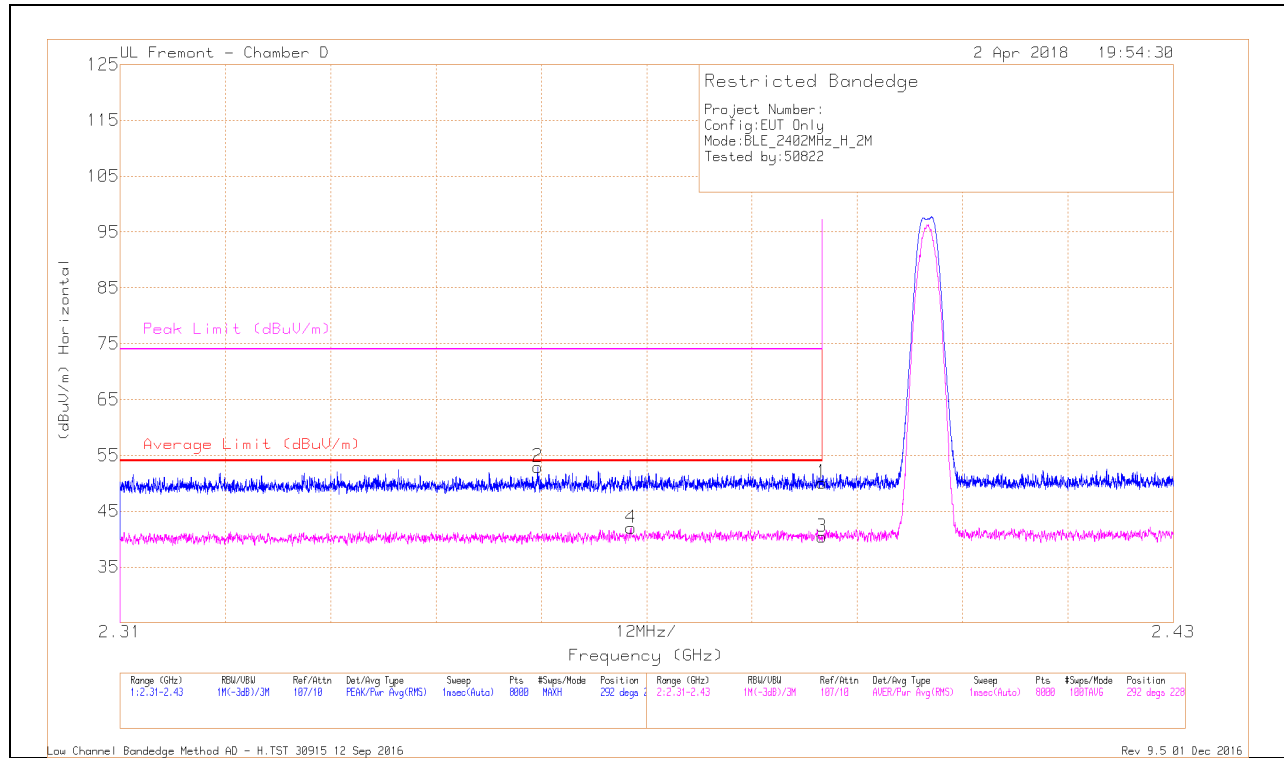
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

Antenna 3

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



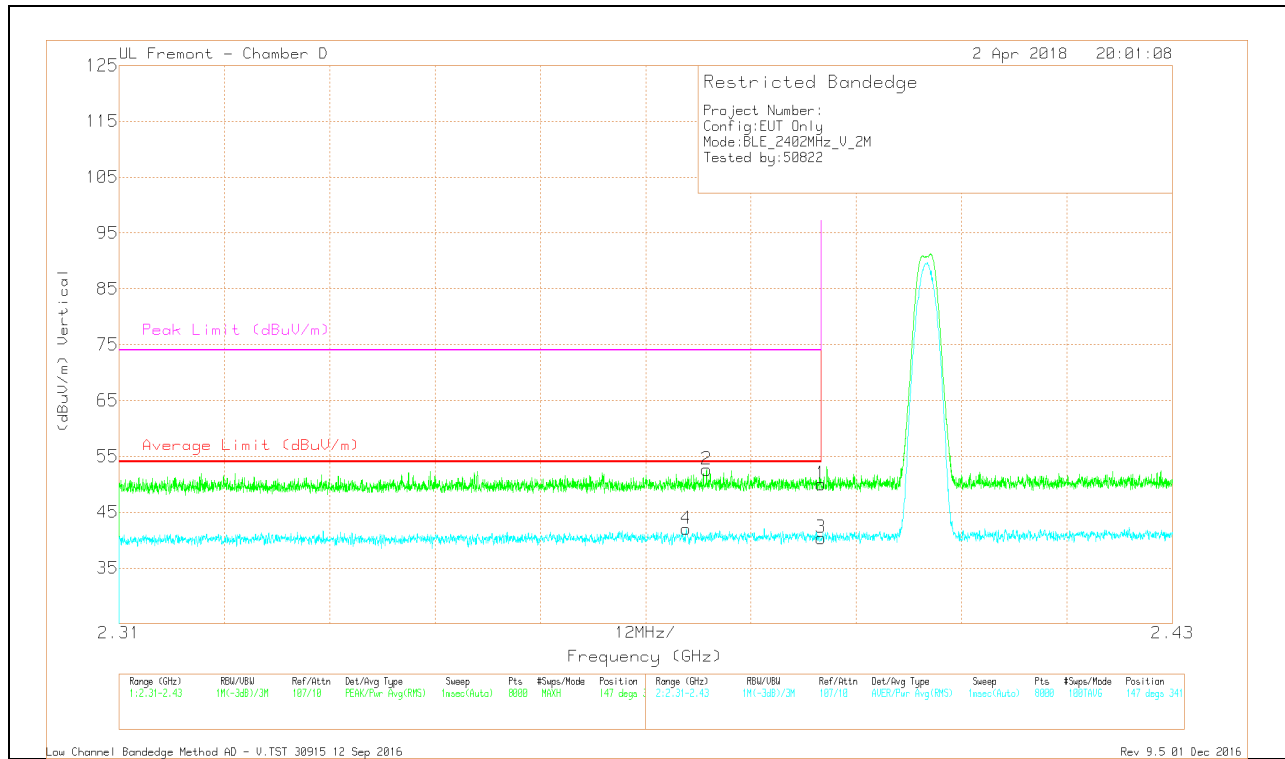
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.358	41.84	Pk	31.7	-20.6	52.94	-	-	74	-21.06	292	228	H
4	* 2.368	30.93	RMS	31.7	-20.6	42.03	54	-11.97	-	-	292	228	H
1	* 2.39	38.72	Pk	31.9	-20.5	50.12	-	-	74	-23.88	292	228	H
3	* 2.39	29	RMS	31.9	-20.5	40.4	54	-13.6	-	-	292	228	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 2.375	30.73	RMS	31.8	-20.5	42.03	54	-11.97	-	-	147	341	V
2	* 2.377	41.21	Pk	31.8	-20.4	52.61	-	-	74	-21.39	147	341	V
1	* 2.39	38.63	Pk	31.9	-20.5	50.03	-	-	74	-23.97	147	341	V
3	* 2.39	28.99	RMS	31.9	-20.5	40.39	54	-13.61	-	-	147	341	V

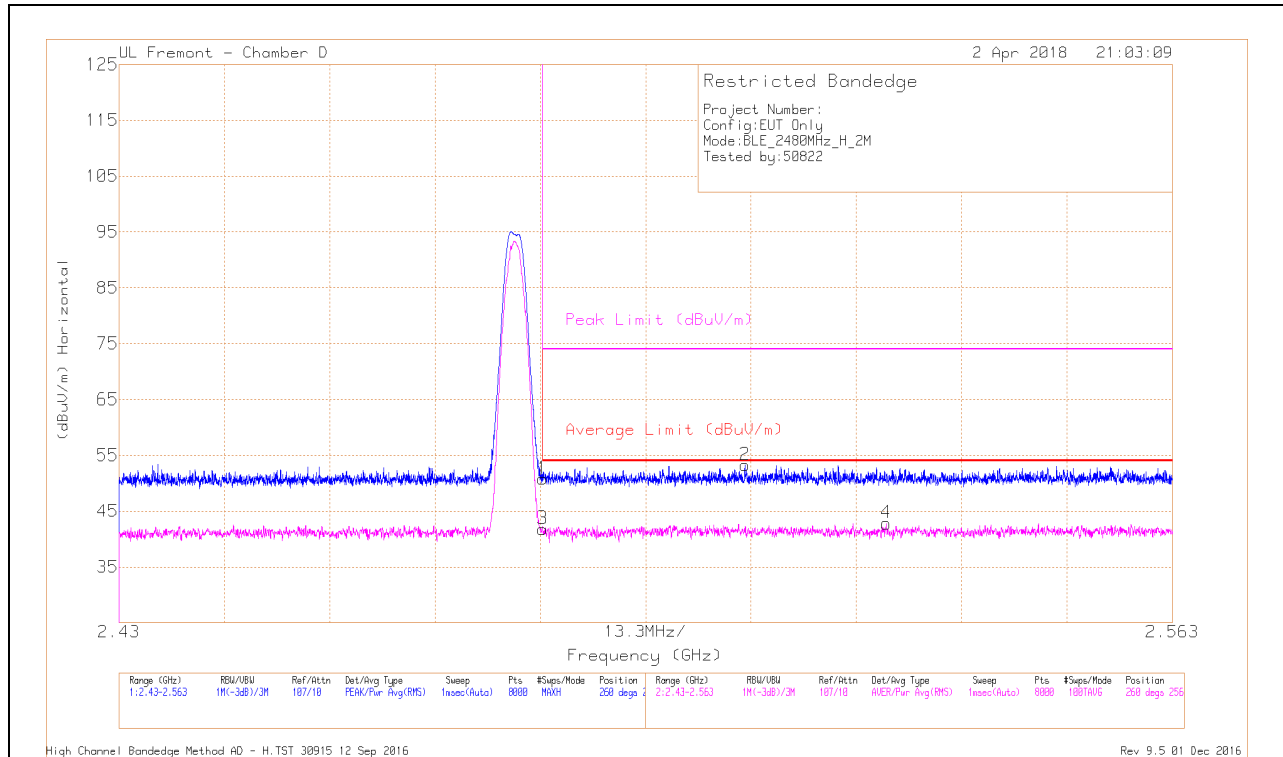
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

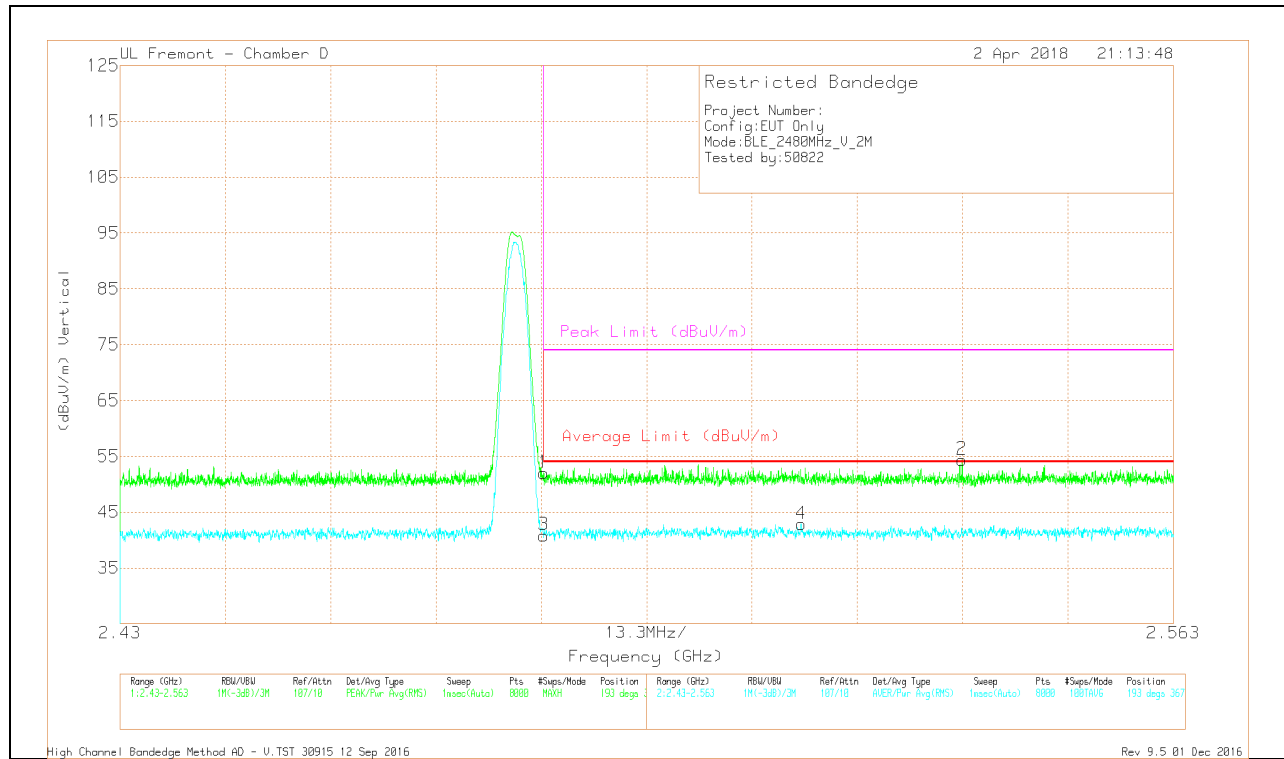
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	38.79	Pk	32.4	-20.4	50.79	-	-	74	-23.21	260	256	H
3	* 2.484	29.79	RMS	32.4	-20.4	41.79	54	-12.21	-	-	260	256	H
2	2.509	41.13	Pk	32.4	-20.3	53.23	-	-	74	-20.77	260	256	H
4	2.527	30.82	RMS	32.4	-20.4	42.82	54	-11.18	-	-	260	256	H

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

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.01	Pk	32.4	-20.4	52.01	-	-	74	-21.99	193	367	V
3	* 2.484	28.85	RMS	32.4	-20.4	40.85	54	-13.15	-	-	193	367	V
4	2.516	30.75	RMS	32.4	-20.3	42.85	54	-11.15	-	-	193	367	V
2	2.536	42.41	Pk	32.4	-20.4	54.41	-	-	74	-19.59	193	367	V

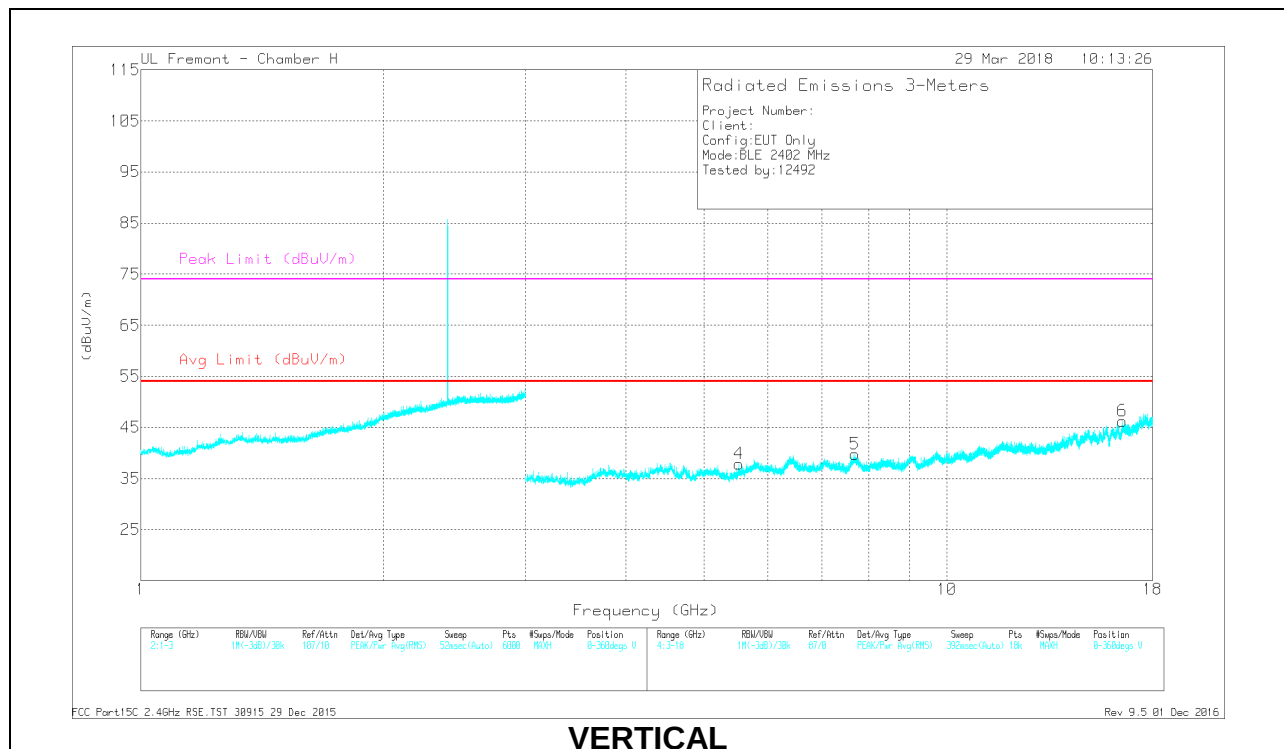
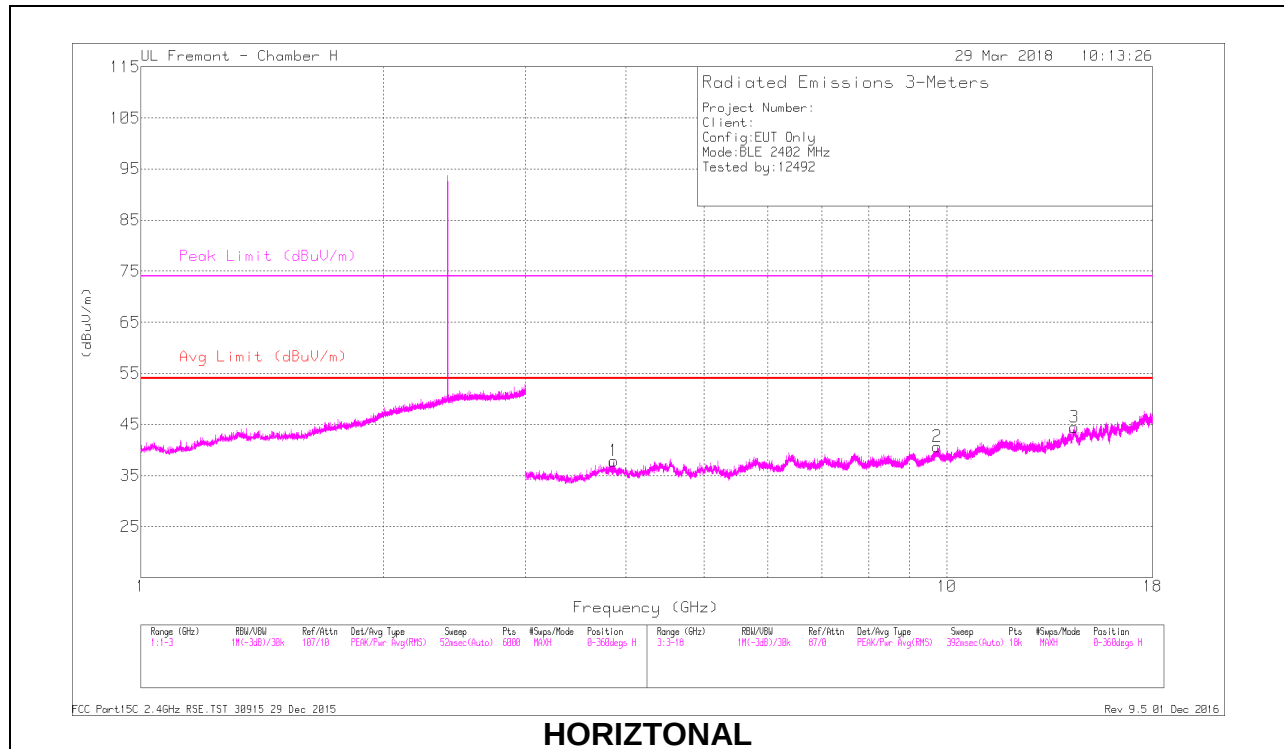
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

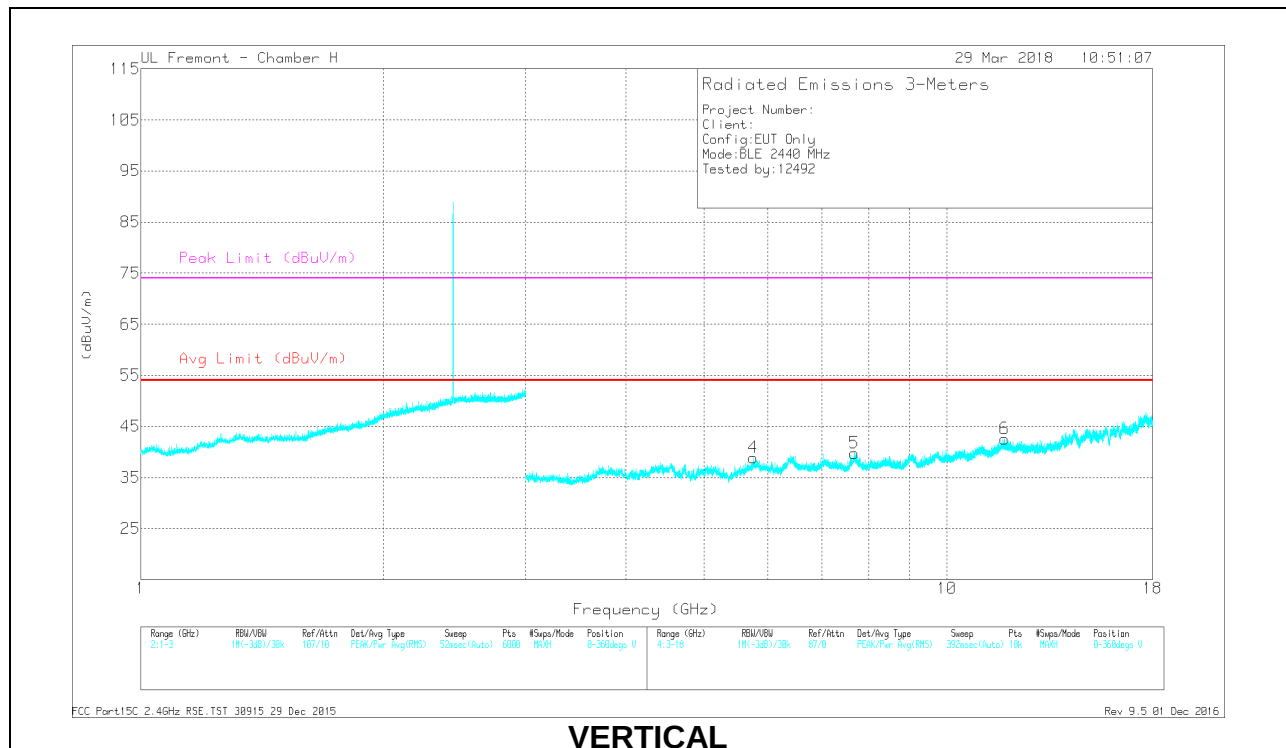
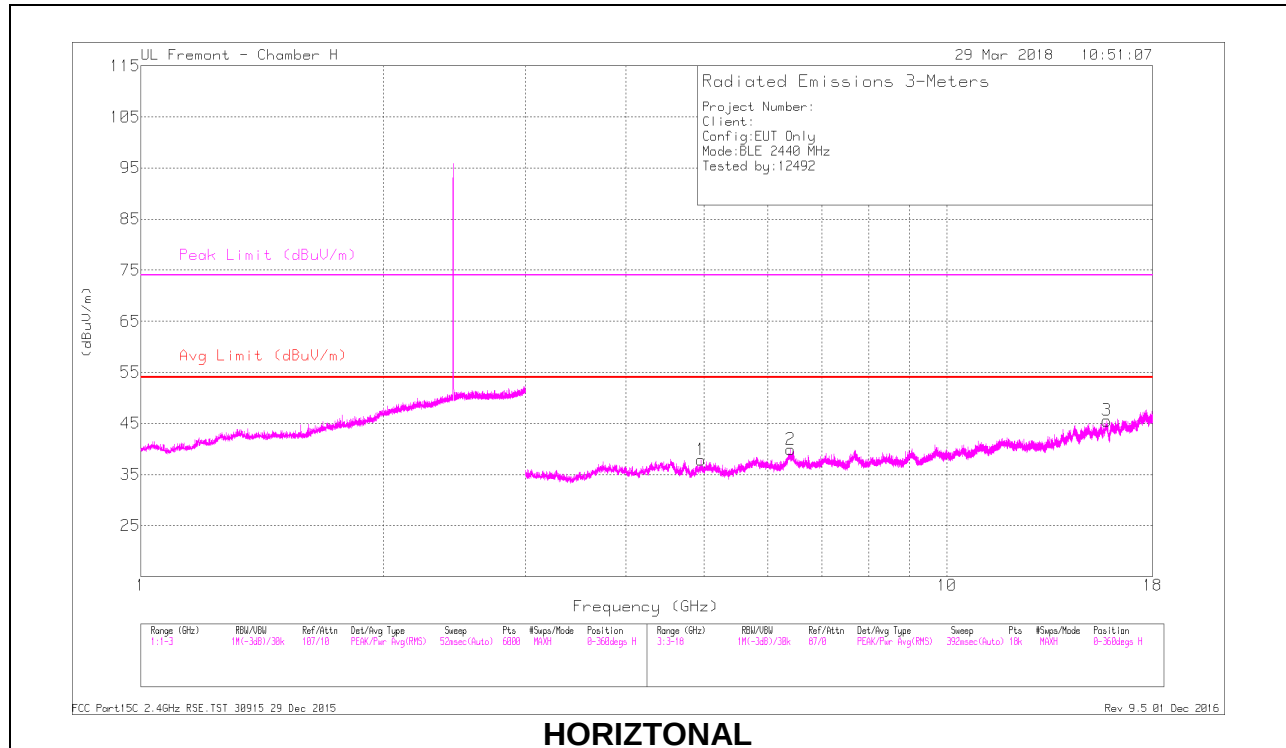
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.862	44.67	PK2	33.3	-34.8	43.17	-	-	74	-30.83	300	135	H
	* 3.858	33.28	MAv1	33.3	-34.8	31.78	54	-22.22	-	-	300	135	H
5	* 7.688	39.67	PK2	36.2	-29.7	46.17	-	-	74	-27.83	139	364	V
	* 7.688	28.09	MAv1	36.2	-29.7	34.59	54	-19.41	-	-	139	364	V
4	5.525	41.7	PK2	34.8	-32.7	43.8	-	-	-	-	352	245	V
2	9.728	38.37	PK2	37.3	-28.3	47.37	-	-	-	-	52	343	H
3	14.394	35.09	PK2	40.6	-23.8	51.89	-	-	-	-	221	296	H
6	16.504	34.75	PK2	41.7	-23.3	53.15	-	-	-	-	96	372	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

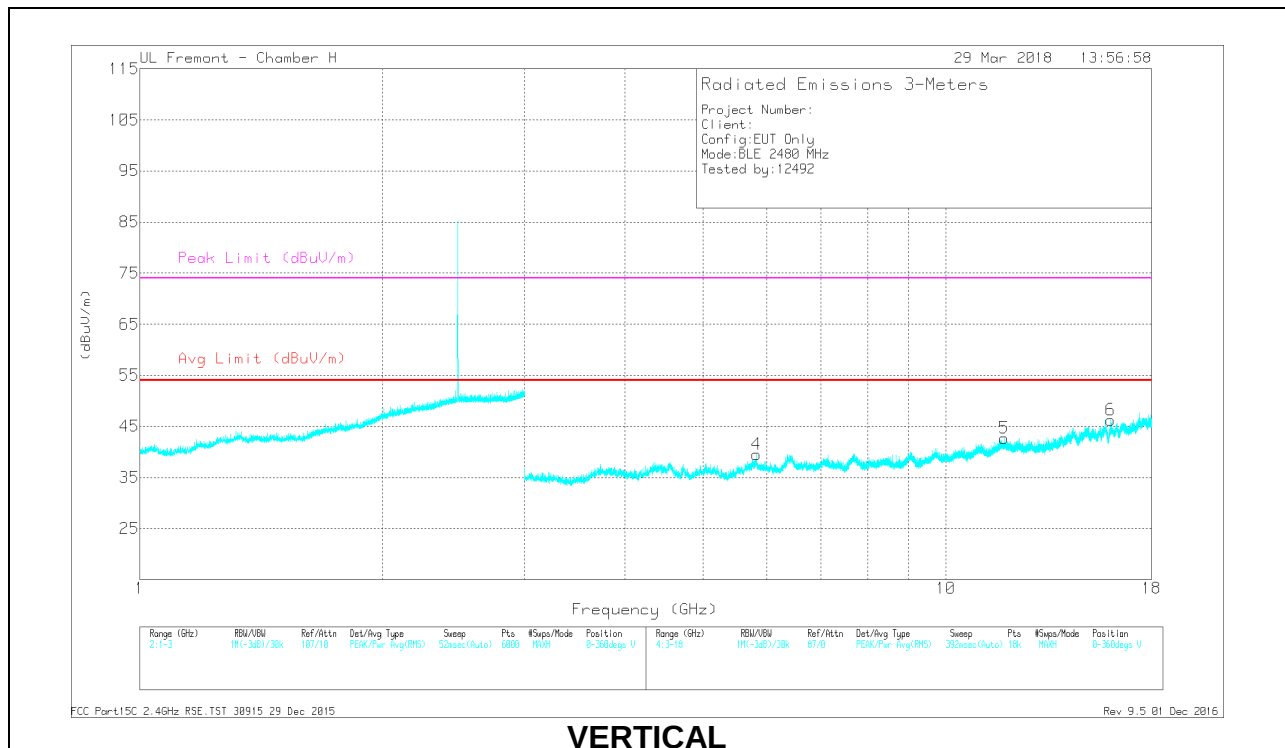
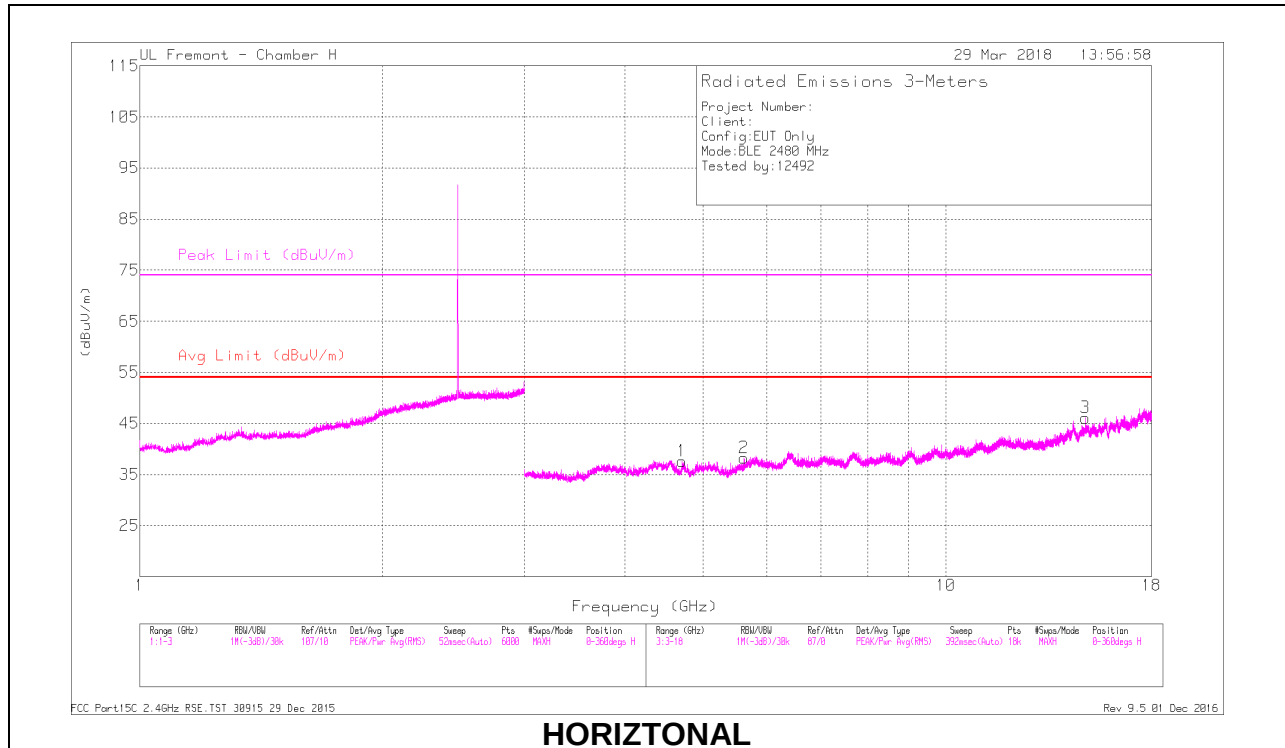
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.957	43.37	PK2	34.2	-33.7	43.87	-	-	74	-30.13	10	358	H
	* 4.955	31.64	MAv1	34.2	-33.8	32.04	54	-21.96	-	-	10	358	H
3	* 15.808	34.75	PK2	42.2	-24	52.95	-	-	74	-21.05	1	318	H
	* 15.806	22.92	MAv1	42.2	-24	41.12	54	-12.88	-	-	1	318	H
5	* 7.681	39.2	PK2	36.2	-29.6	45.8	-	-	74	-28.2	41	195	V
	* 7.683	27.88	MAv1	36.2	-29.6	34.48	54	-19.52	-	-	41	195	V
6	* 11.791	35.47	PK2	38.9	-26	48.37	-	-	74	-25.63	82	287	V
	* 11.79	23.97	MAv1	38.9	-26	36.87	54	-17.13	-	-	82	287	V
4	5.759	42.29	PK2	35.2	-32.2	45.29	-	-	-	-	127	398	V
2	6.405	41.17	PK2	35.5	-30.9	45.77	-	-	-	-	9	379	H

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.711	42.64	PK2	34.1	-33.8	42.94	-	-	74	-31.06	355	347	H
	* 4.709	30.49	MAv1	34.1	-33.8	30.79	54	-23.21	-	-	355	347	H
5	* 11.815	35.29	PK2	38.9	-25.9	48.29	-	-	74	-25.71	339	176	V
	* 11.814	23.83	MAv1	38.9	-25.9	36.83	54	-17.17	-	-	339	176	V
6	* 16.026	34.91	PK2	41.8	-23.6	53.11	-	-	74	-20.89	315	376	V
	* 16.025	23.17	MAv1	41.9	-23.6	41.47	54	-12.53	-	-	315	376	V
2	5.618	42.74	PK2	34.9	-33.2	44.44	-	-	-	-	124	288	H
4	5.825	41.31	PK2	35.4	-31.8	44.91	-	-	-	-	208	275	V
3	14.894	35.41	PK2	40.4	-24.1	51.71	-	-	-	-	355	369	H

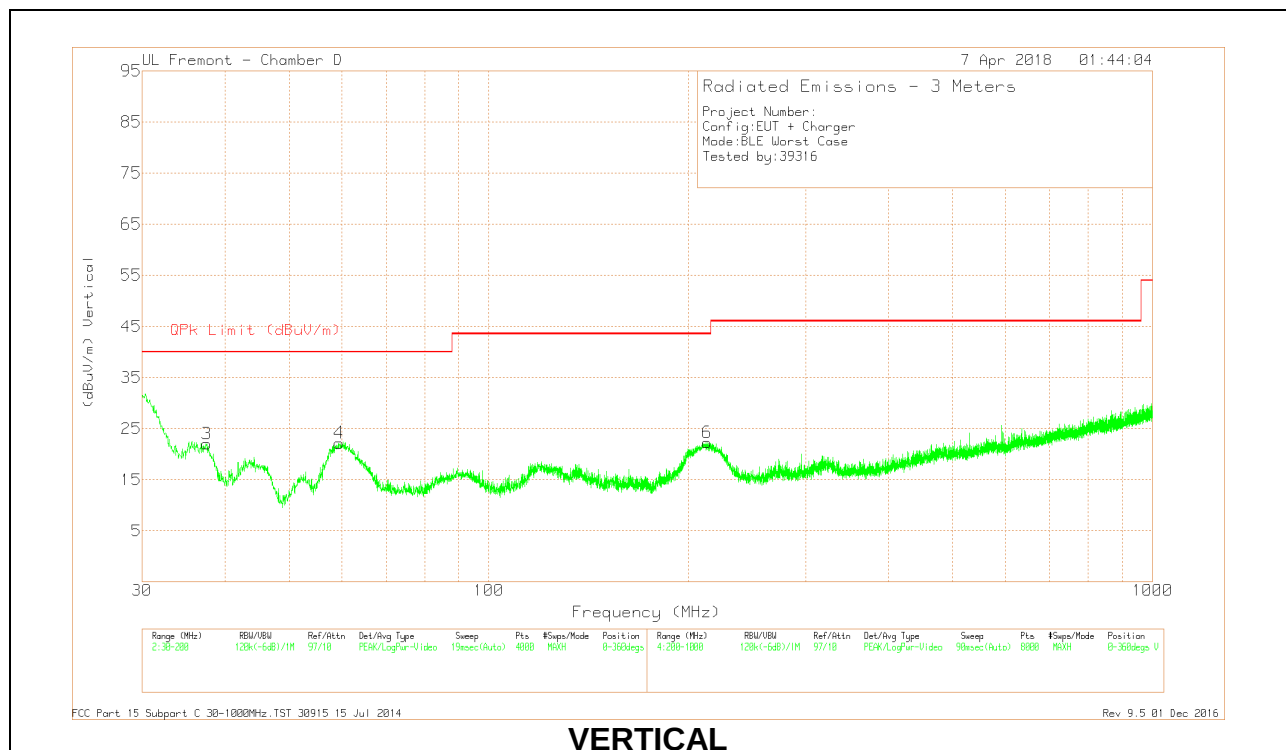
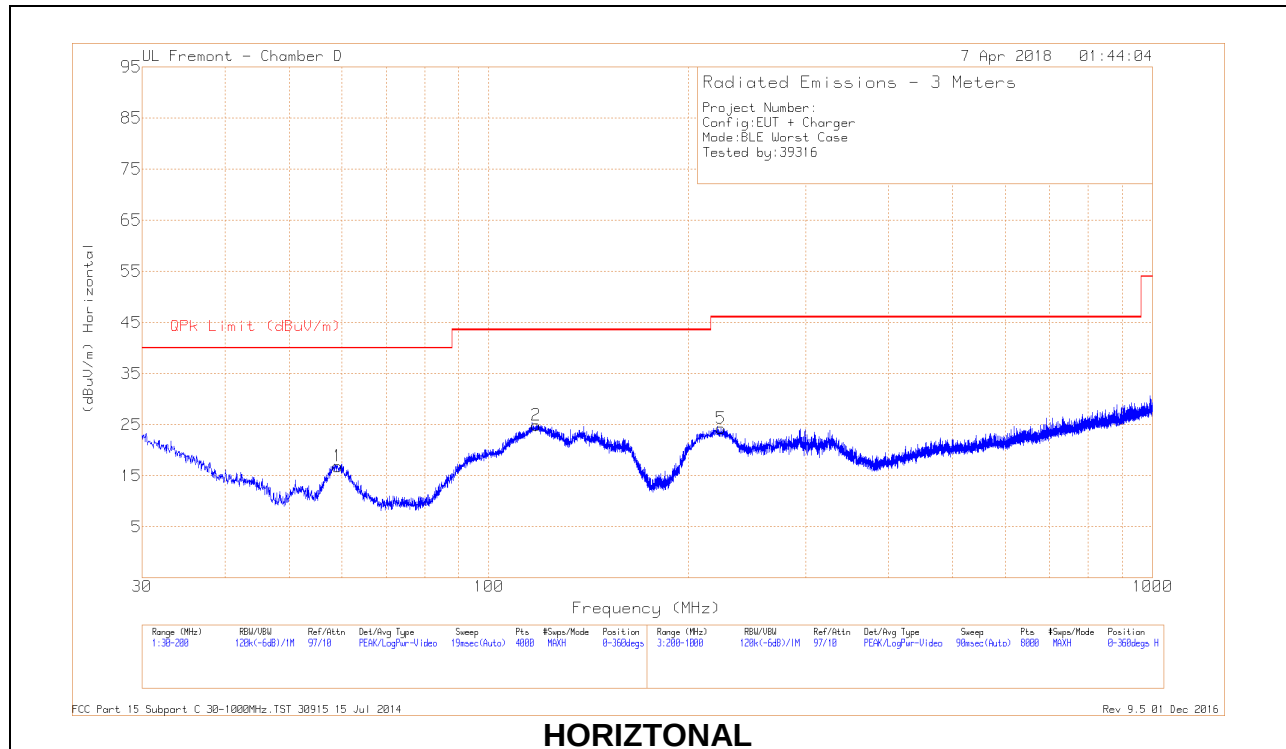
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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 T477 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 117.7852	37.98	Pk	18.2	-31.3	24.88	43.52	-18.64	0-360	299	H
3	* 37.567	33.61	Pk	20.2	-31.8	22.01	40	-17.99	0-360	100	V
1	59.2051	36.36	Pk	12.2	-31.7	16.86	40	-23.14	0-360	399	H
4	59.4601	41.67	Pk	12.2	-31.7	22.17	40	-17.83	0-360	100	V
6	213.3017	38.19	Pk	14.9	-30.8	22.29	43.52	-21.23	0-360	101	V
5	223.8031	39.68	Pk	15.3	-30.7	24.28	46.02	-21.74	0-360	101	H

9.4. Worst Case 18-26 GHz

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

HORIZONTAL & VERTICAL



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)
4	18.658	38.98	Pk	32.5	-24.9	-9.5	37.08	54	-16.92	74	-36.92
1	20.078	38.47	Pk	32.9	-25	-9.5	36.87	54	-17.13	74	-37.13
5	20.337	38.9	Pk	32.6	-25.4	-9.5	36.6	54	-17.4	74	-37.4
2	21.328	38.6	Pk	33.1	-25.2	-9.5	37	54	-17	74	-37
3	23.603	39.7	Pk	33.4	-24.1	-9.5	39.5	54	-14.5	74	-34.5
6	23.822	39.93	Pk	33.6	-24.1	-9.5	39.93	54	-14.07	74	-34.07

Pk - Peak detector

18-26GHz.DAT 30915 6 Jan 2015

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10. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

RSS-Gen 8.8

Frequency of Emission (MHz)	Conducted Limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

* Decreases with the logarithm of the frequency.

TEST PROCEDURE

The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.10.

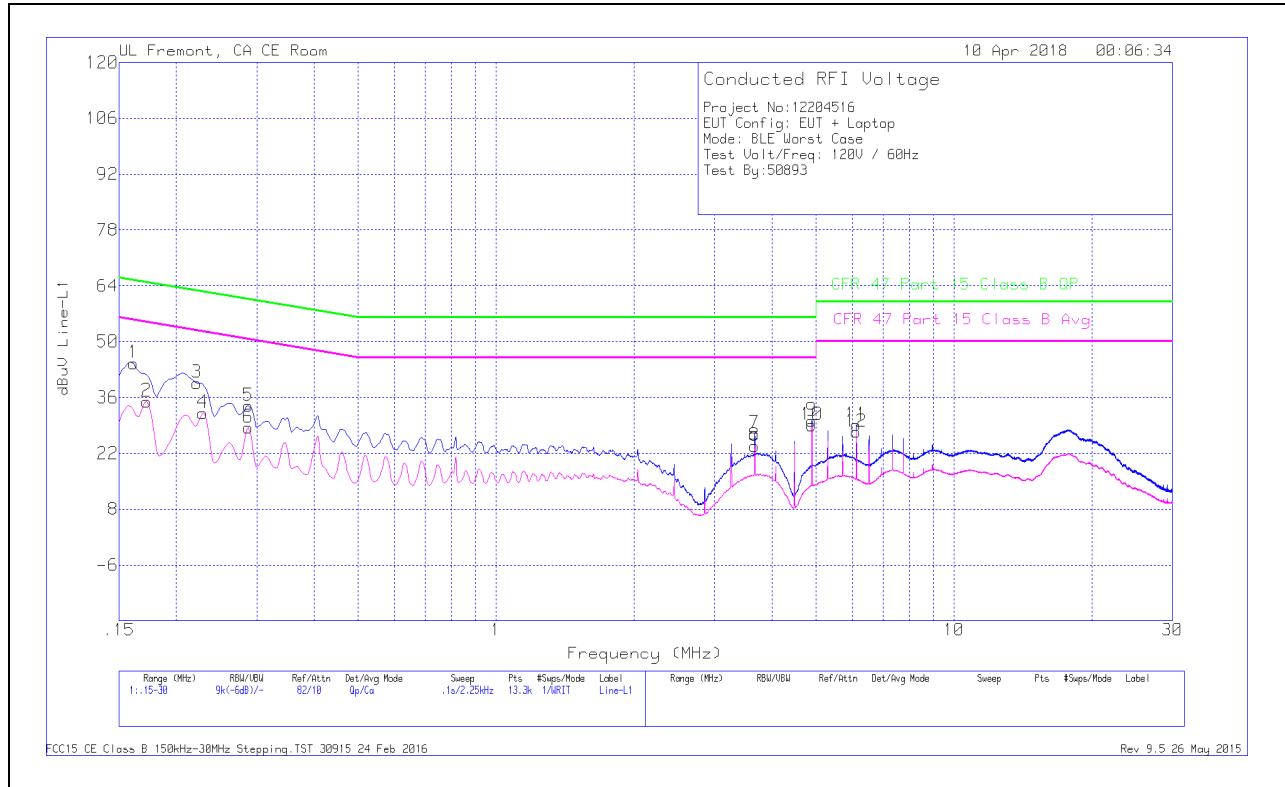
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

10.1.1. AC Power Line Host

LINE 1 RESULTS

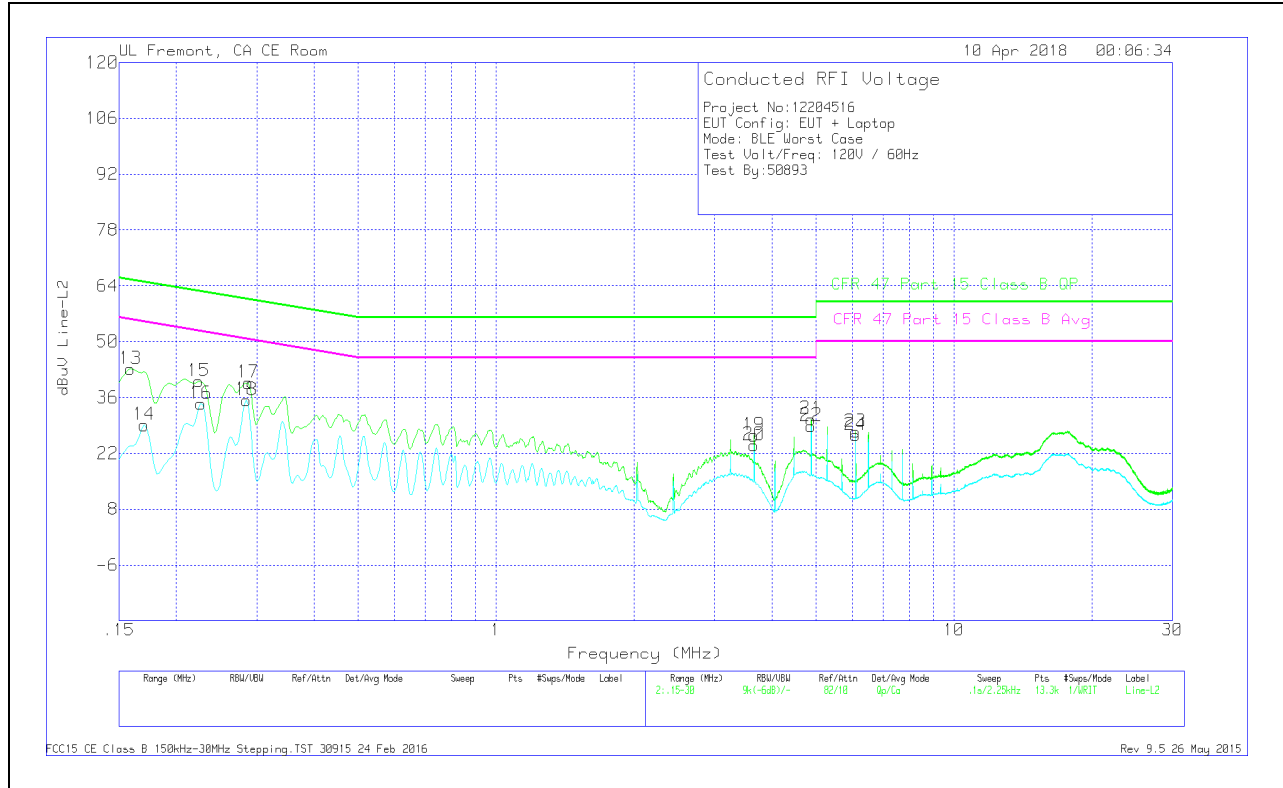


Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L1	LC Cables C1&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
1	.16125	34.41	Qp	.1	0	10.1	44.61	65.4	-20.79	-	-
2	.1725	24.92	Ca	0	0	10.1	35.02	-	-	54.84	-19.82
3	.222	29.56	Qp	0	0	10.1	39.66	62.74	-23.08	-	-
4	.22875	22.01	Ca	0	0	10.1	32.11	-	-	52.49	-20.38
5	.28725	23.79	Qp	0	0	10.1	33.89	60.6	-26.71	-	-
6	.28725	18.38	Ca	0	0	10.1	28.48	-	-	50.6	-22.12
7	3.67125	16.83	Qp	0	.1	10.1	27.03	56	-28.97	-	-
8	3.67125	13.7	Ca	0	.1	10.1	23.9	-	-	46	-22.1
9	4.893	20.03	Qp	0	.1	10.1	30.23	56	-25.77	-	-
10	4.893	18.89	Ca	0	.1	10.1	29.09	-	-	46	-16.91
11	6.117	18.7	Qp	0	.2	10.2	29.1	60	-30.9	-	-
12	6.117	16.99	Ca	0	.2	10.2	27.39	-	-	50	-22.61

Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 2 RESULTS



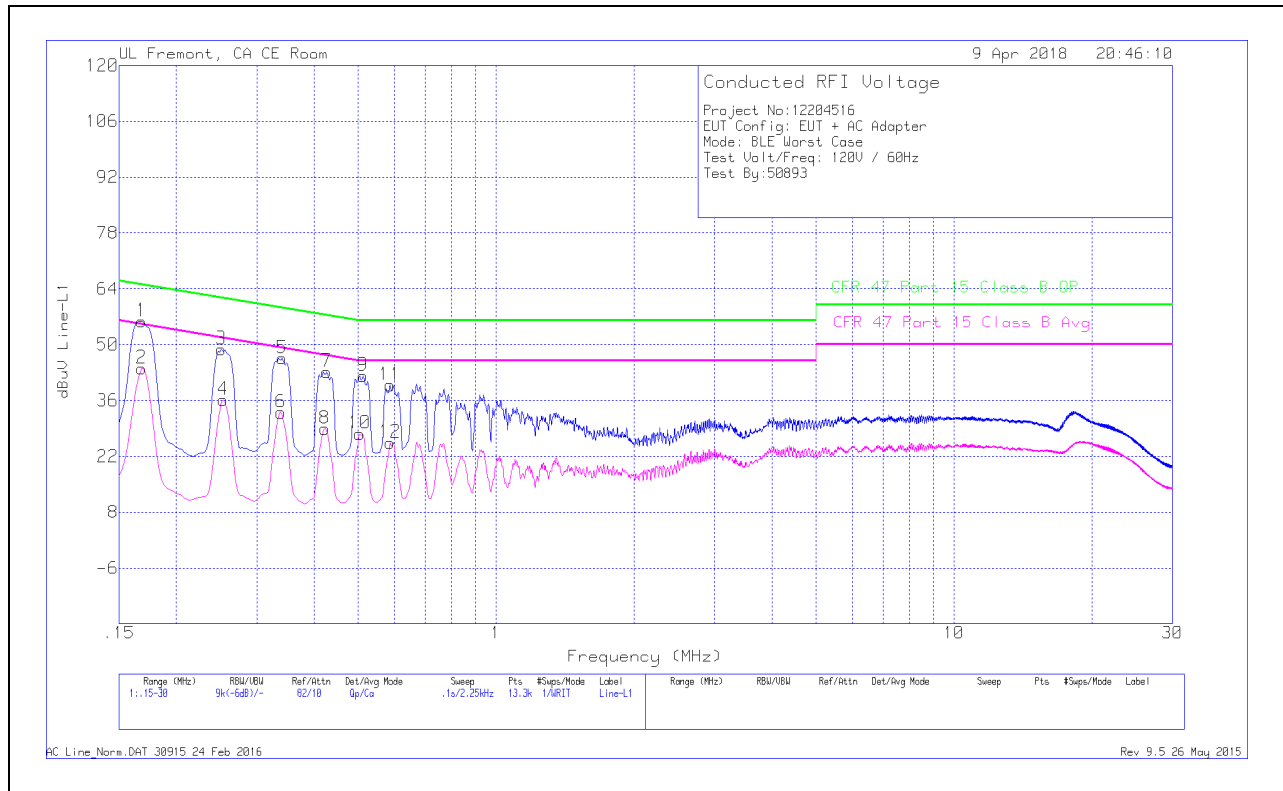
Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L2	LC Cables C2&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
13	.159	33.06	Qp	0	0	10.1	43.16	65.52	-22.36	-	-
14	.17025	18.99	Ca	0	0	10.1	29.09	-	-	54.95	-25.86
15	.22425	29.94	Qp	0	0	10.1	40.04	62.66	-22.62	-	-
16	.2265	24.35	Ca	0	0	10.1	34.45	-	-	52.58	-18.13
17	.28725	29.57	Qp	0	0	10.1	39.67	60.6	-20.93	-	-
18	.285	25.23	Ca	0	0	10.1	35.33	-	-	50.67	-15.34
19	3.65775	16.31	Qp	0	.1	10.1	26.51	56	-29.49	-	-
20	3.65775	13.87	Ca	0	.1	10.1	24.07	-	-	46	-21.93
21	4.87725	20.4	Qp	0	.1	10.1	30.6	56	-25.4	-	-
22	4.87725	18.65	Ca	0	.1	10.1	28.85	-	-	46	-17.15
23	6.09675	17	Qp	0	.2	10.2	27.4	60	-32.6	-	-
24	6.09675	16.19	Ca	0	.2	10.2	26.59	-	-	50	-23.41

Qp - Quasi-Peak detector

Ca - CISPR average detection

10.1.2. AC Power Line Norm

LINE 1 RESULTS

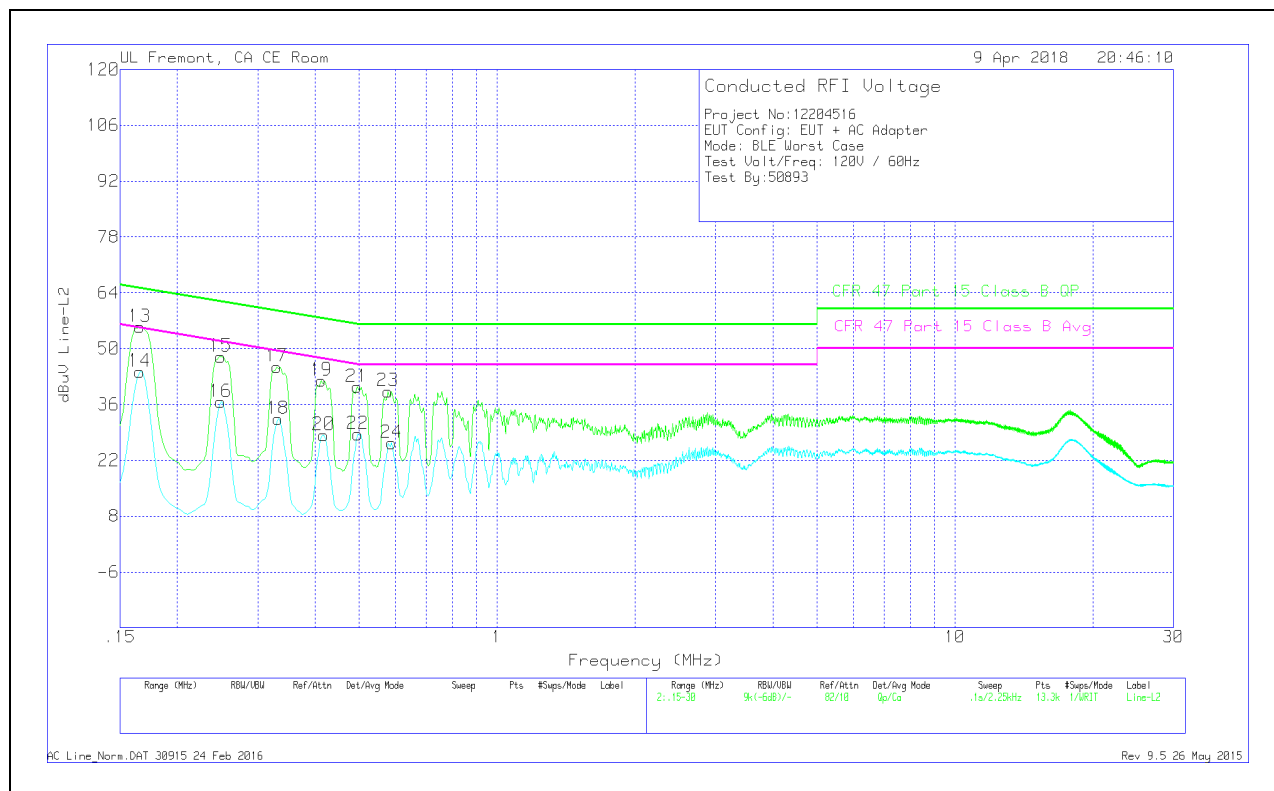


Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L1	LC Cables C1&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
1	.168	45.67	Qp	.1	0	10.1	55.87	65.06	-9.19	-	-
2	.168	33.86	Ca	.1	0	10.1	44.06	-	-	55.06	-11
3	.25125	38.74	Qp	0	0	10.1	48.84	61.72	-12.88	-	-
4	.2535	26.1	Ca	0	0	10.1	36.2	-	-	51.64	-15.44
5	.34125	36.48	Qp	0	0	10.1	46.58	59.17	-12.59	-	-
6	.339	22.91	Ca	0	0	10.1	33.01	-	-	49.23	-16.22
7	.42675	33.1	Qp	0	0	10.1	43.2	57.32	-14.12	-	-
8	.42225	18.82	Ca	0	0	10.1	28.92	-	-	47.4	-18.48
9	.51225	32.09	Qp	0	0	10.1	42.19	56	-13.81	-	-
10	.50325	17.58	Ca	0	0	10.1	27.68	-	-	46	-18.32
11	.5865	29.76	Qp	0	0	10.1	39.86	56	-16.14	-	-
12	.5865	15.33	Ca	0	0	10.1	25.43	-	-	46	-20.57

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	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	.16575	45.36	Qp	0	0	10.1	55.46	65.17	-9.71	-	-
14	.16575	34.13	Ca	0	0	10.1	44.23	-	-	55.17	-10.94
15	.249	37.92	Qp	0	0	10.1	48.02	61.79	-13.77	-	-
16	.249	26.54	Ca	0	0	10.1	36.64	-	-	51.79	-15.15
17	.33	35.38	Qp	0	0	10.1	45.48	59.45	-13.97	-	-
18	.33225	22.26	Ca	0	0	10.1	32.36	-	-	49.39	-17.03
19	.41325	31.89	Qp	0	0	10.1	41.99	57.58	-15.59	-	-
20	.41775	18.24	Ca	0	0	10.1	28.34	-	-	47.49	-19.15
21	.49425	30.29	Qp	0	0	10.1	40.39	56.1	-15.71	-	-
22	.4965	18.46	Ca	0	0	10.1	28.56	-	-	46.06	-17.5
23	.5775	29.21	Qp	0	0	10.1	39.31	56	-16.69	-	-
24	.58875	16.25	Ca	0	0	10.1	26.35	-	-	46	-19.65

Qp - Quasi-Peak detector

Ca - CISPR average detection

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END OF REPORT

11. SETUP PHOTOS

Please refer to 12204512-EP1V1 for setup photos