

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.

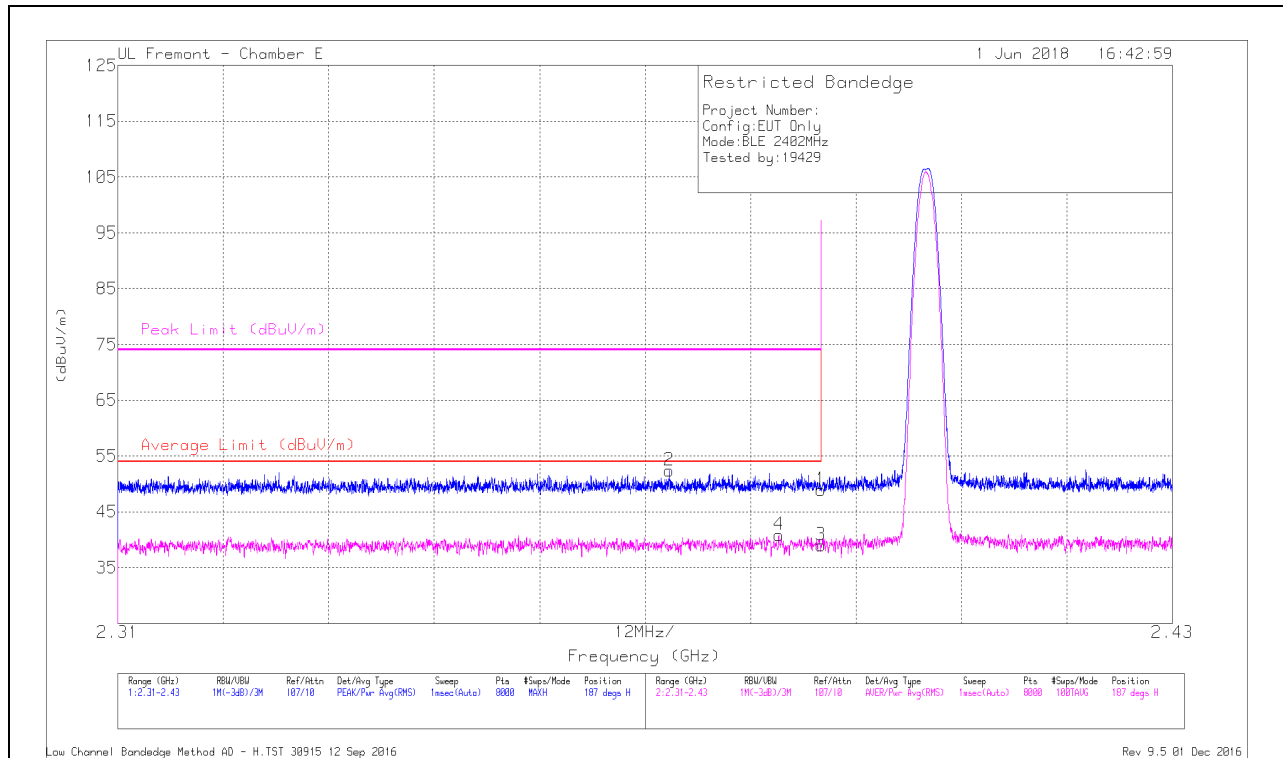
9.2. TRANSMITTER ABOVE 1 GHz

9.2.1. HIGH POWER BLE (1Mbps)

Antenna 2

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



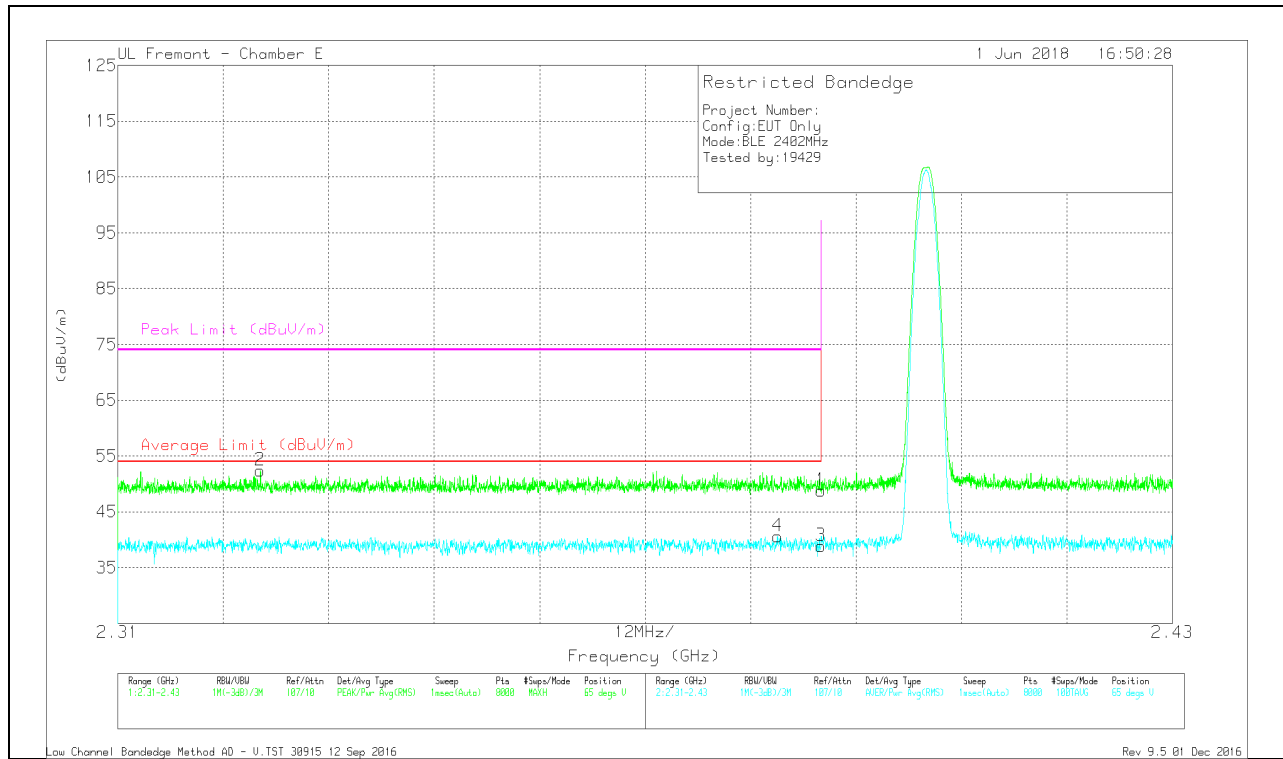
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dBm)	Amp/Cbl/FiltriP ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	39.56	Pk	32	-22.6	48.96	-	-	74	-25.04	187	119	H
2	* 2.373	43.19	Pk	31.9	-22.7	52.39	-	-	74	-21.61	187	119	H
3	* 2.39	29.58	RMS	32	-22.6	38.98	54	-15.02	-	-	187	119	H
4	* 2.385	31.5	RMS	31.9	-22.6	40.8	54	-13.2	-	-	187	119	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 (dBm)	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	39.36	Pk	32	-22.6	48.76	-	-	74	-25.24	65	383	V
2	* 2.326	43.3	Pk	31.8	-22.7	52.4	-	-	74	-21.6	65	383	V
3	* 2.39	29.43	RMS	32	-22.6	38.83	54	-15.17	-	-	65	383	V
4	* 2.385	31.32	RMS	31.9	-22.6	40.62	54	-13.38	-	-	65	383	V

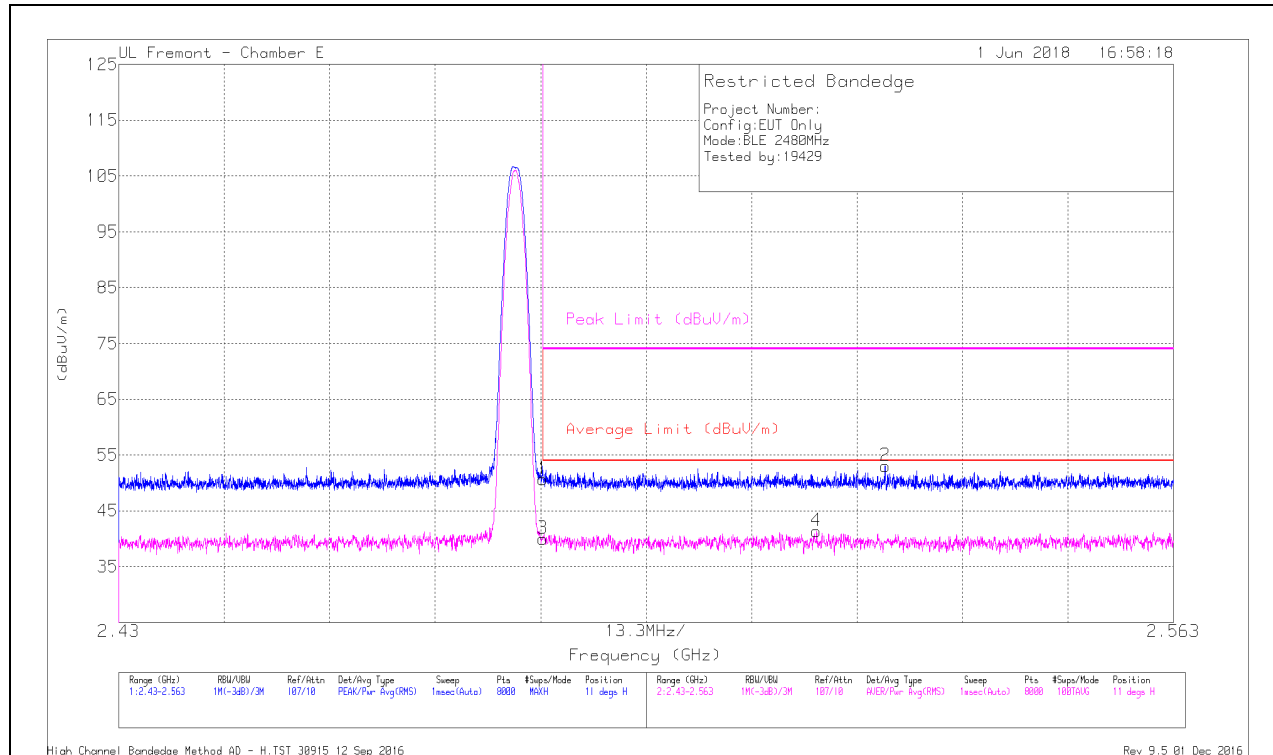
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



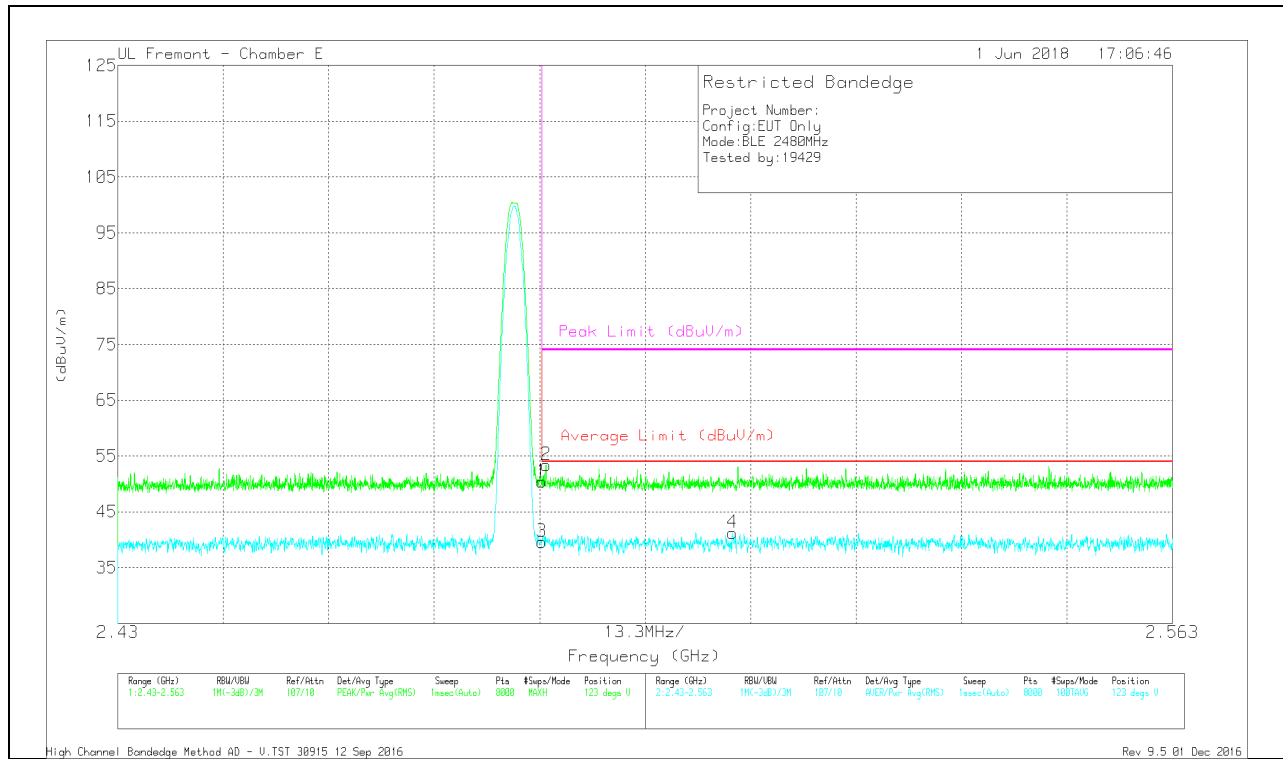
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1	* 2.484	40.87	Pk	32.1	-22.3	50.67	-	-	74	-23.33	11	113	H
3	* 2.484	30.18	RMS	32.1	-22.3	39.98	54	-14.02	-	-	11	113	H
4	2.518	31.44	RMS	32.1	-22.2	41.34	54	-12.66	-	-	11	113	H
2	2.527	43.21	Pk	32.1	-22.3	53.01	-	-	74	-20.99	11	113	H

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Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dBm)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.62	Pk	32.1	-22.3	50.42	-	-	74	-23.58	123	396	V
2	* 2.484	43.54	Pk	32.1	-22.3	53.34	-	-	74	-20.66	123	396	V
3	* 2.484	29.85	RMS	32.1	-22.3	39.65	54	-14.35	-	-	123	396	V
4	2.508	31.43	RMS	32.1	-22.3	41.23	54	-12.77	-	-	123	396	V

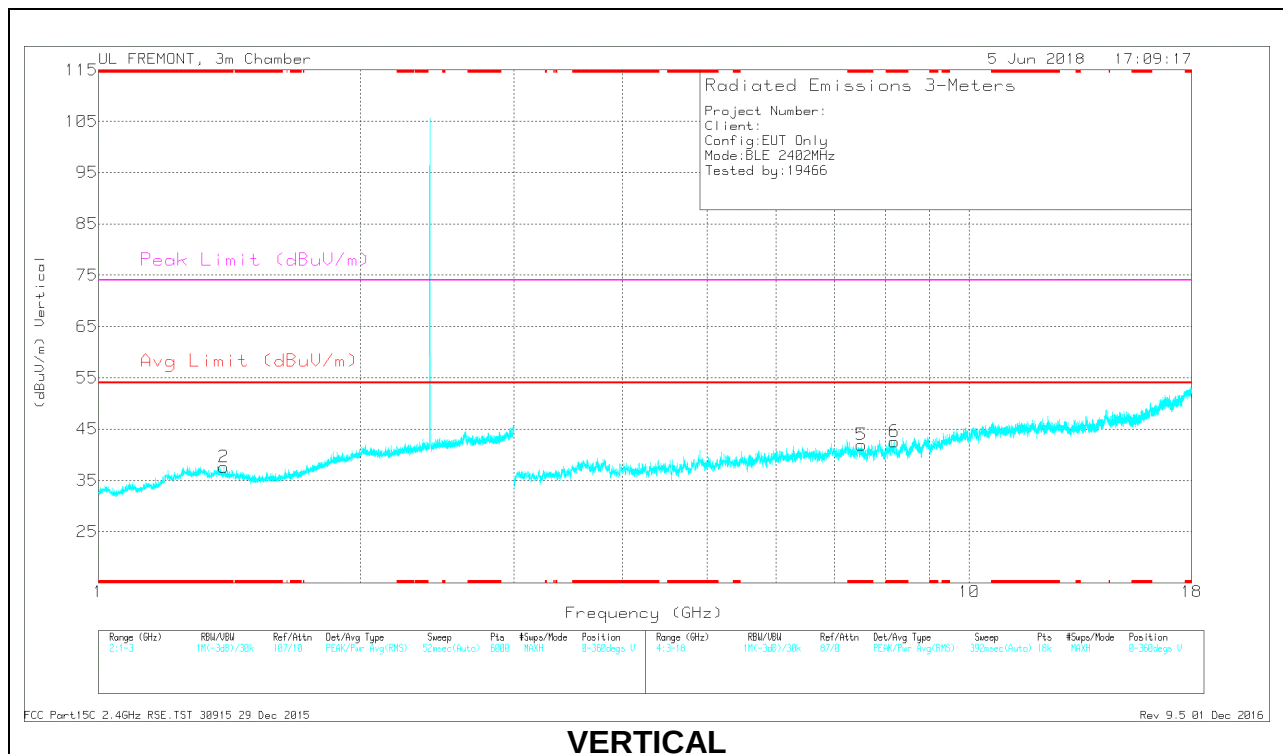
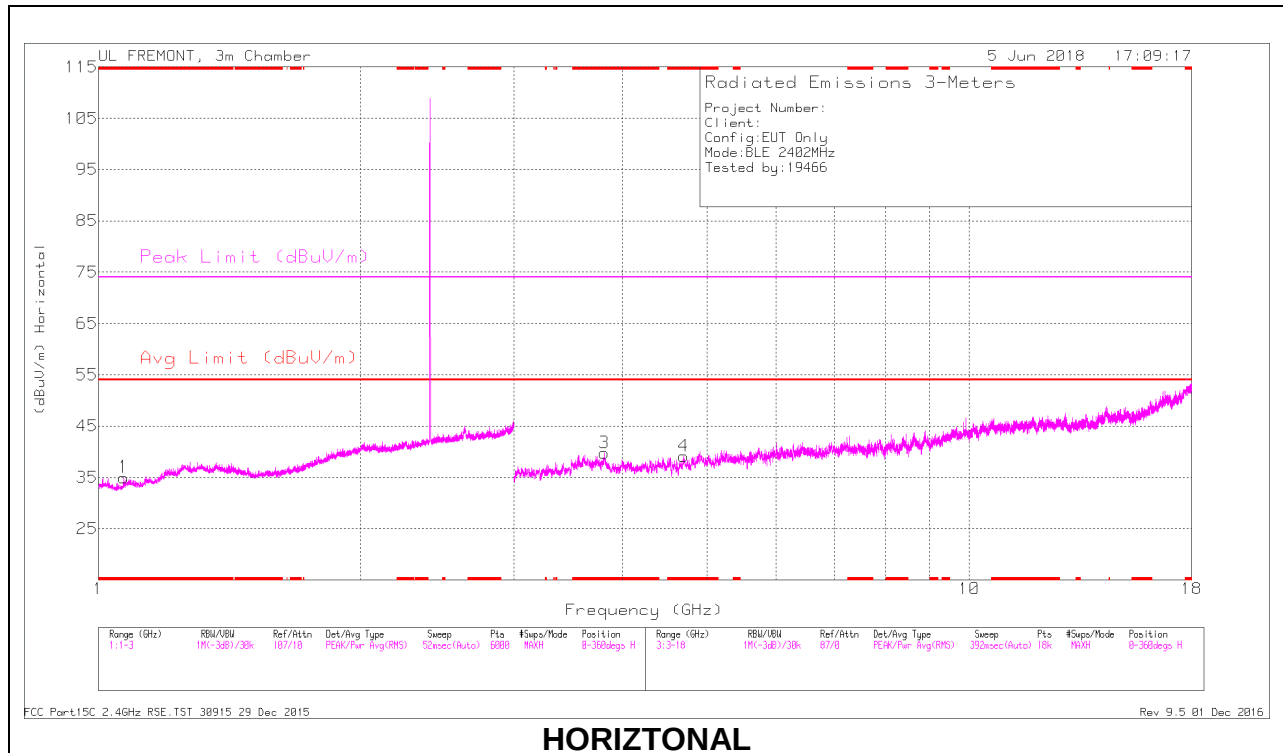
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

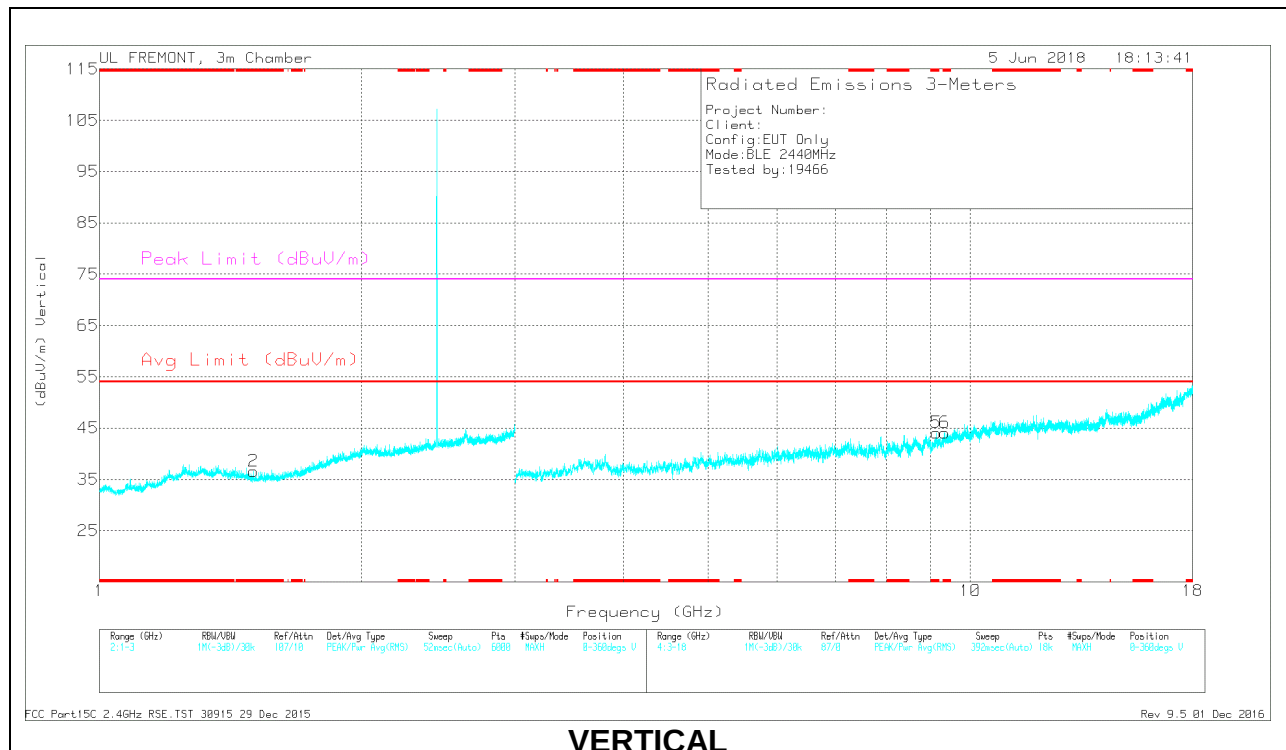
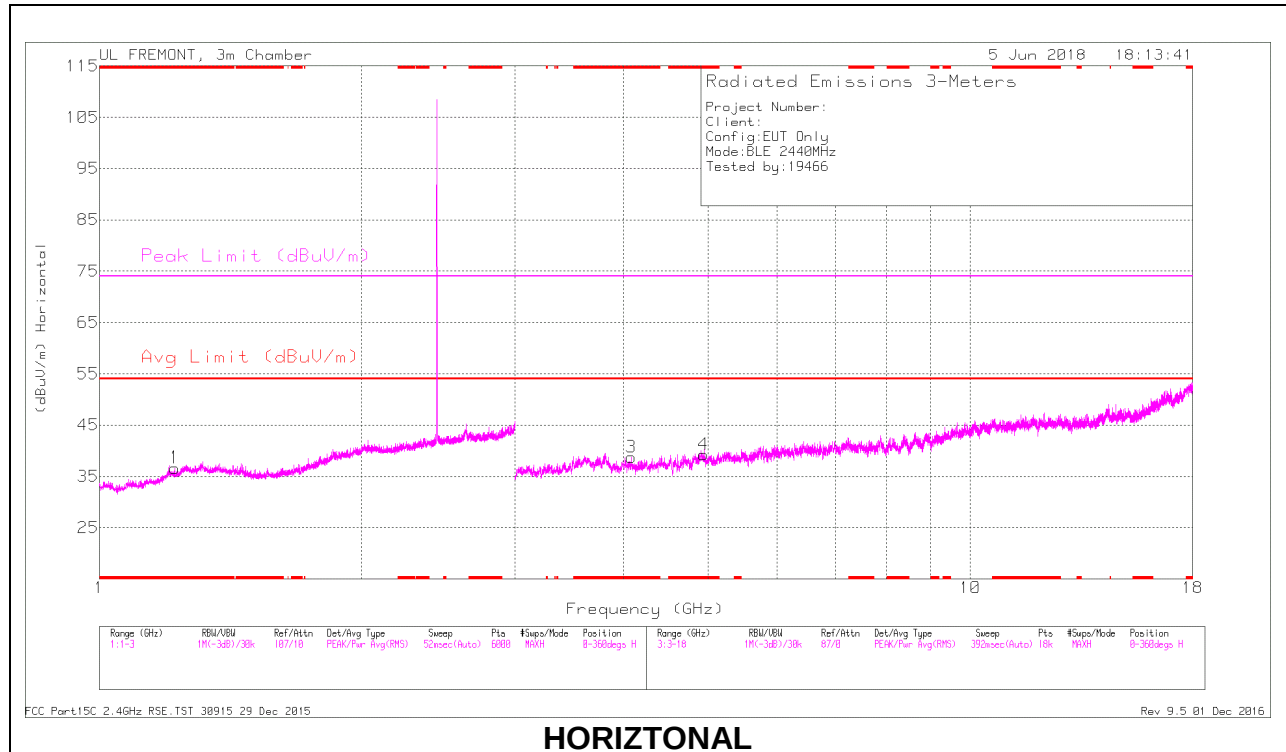
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.071	37.81	PK2	27.5	-23.5	41.81	-	-	74	-32.19	99	399	H
	* 1.072	25.27	MAv1	27.5	-23.5	29.27	54	-24.73	-	-	99	399	H
2	* 1.393	36.88	PK2	29.3	-22.1	44.08	-	-	74	-29.92	107	266	V
	* 1.391	24.87	MAv1	29.3	-22.2	31.97	54	-22.03	-	-	107	266	V
3	* 3.811	40.25	PK2	33.7	-26.8	47.15	-	-	74	-26.85	39	155	H
	* 3.812	28.81	MAv1	33.7	-27	35.51	54	-18.49	-	-	39	155	H
4	* 4.702	39.75	PK2	34	-27.4	46.35	-	-	74	-27.65	57	200	H
	* 4.701	28.48	MAv1	34	-27.3	35.18	54	-18.82	-	-	57	200	H
5	* 7.521	38.51	PK2	35.7	-25.2	49.01	-	-	74	-24.99	155	366	V
	* 7.518	26.28	MAv1	35.7	-25.1	36.88	54	-17.12	-	-	155	366	V
6	* 8.2	36.25	PK2	35.8	-22.8	49.25	-	-	74	-24.75	179	124	V
	* 8.201	24.46	MAv1	35.8	-23	37.26	54	-16.74	-	-	179	124	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

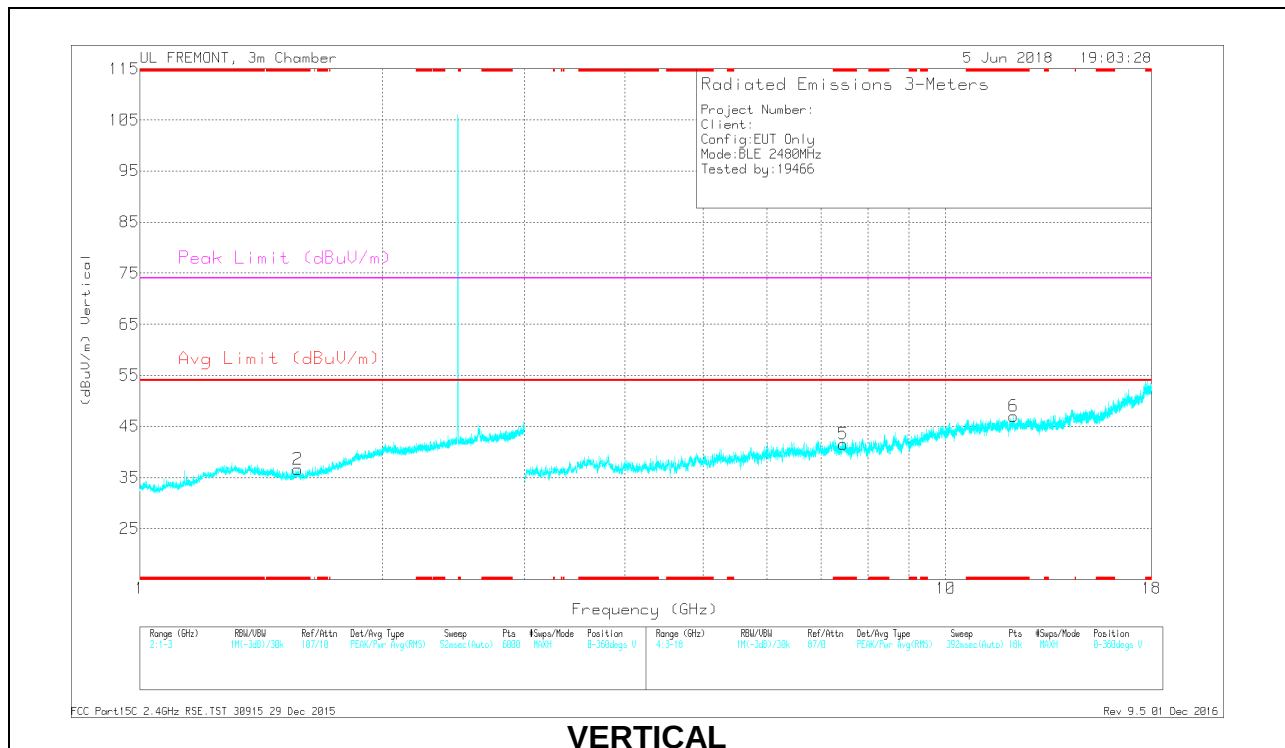
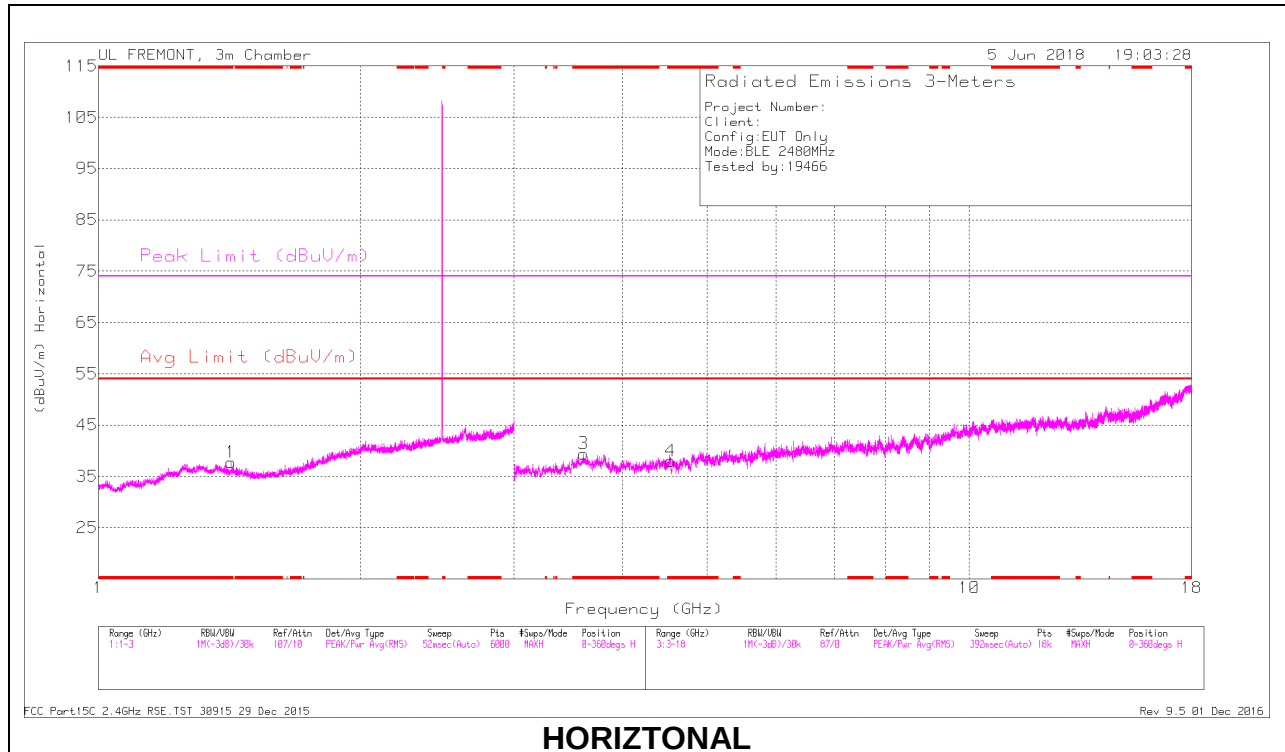
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.219	36.97	PK2	29.3	-22.8	43.47	-	-	74	-30.53	80	207	H
	* 1.219	24.69	MAv1	29.3	-22.8	31.19	54	-22.81	-	-	80	207	H
2	* 1.504	37	PK2	28.1	-22.3	42.8	-	-	74	-31.2	12	399	V
	* 1.502	25.06	MAv1	28.1	-22.3	30.86	54	-23.14	-	-	12	399	V
3	* 4.079	40.9	PK2	33.5	-28.2	46.2	-	-	74	-27.8	121	271	H
	* 4.081	29.02	MAv1	33.5	-28.3	34.22	54	-19.78	-	-	121	271	H
4	* 4.943	39.94	PK2	34.1	-28.1	45.94	-	-	74	-28.06	145	213	H
	* 4.944	28.24	MAv1	34.1	-28.2	34.14	54	-19.86	-	-	145	213	H
5	* 9.135	35.45	PK2	36.2	-20.5	51.15	-	-	74	-22.85	350	236	V
	* 9.139	23.4	MAv1	36.2	-20.9	38.7	54	-15.3	-	-	350	236	V
6	* 9.349	35.57	PK2	36.5	-21.4	50.67	-	-	74	-23.33	170	333	V
	* 9.349	23.92	MAv1	36.5	-21.4	39.02	54	-14.98	-	-	170	333	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 T120 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.421	37.1	PK2	29.1	-22.3	43.9	-	-	74	-30.1	144	383	H
	* 1.419	25.15	MAv1	29.1	-22.4	31.85	54	-22.15	-	-	144	383	H
2	* 1.57	37.58	PK2	28	-22	43.58	-	-	74	-30.42	301	348	V
	* 1.57	25.24	MAv1	28	-22	31.24	54	-22.76	-	-	301	348	V
3	* 3.609	40.62	PK2	34.7	-28.9	46.42	-	-	74	-27.58	45	103	H
	* 3.607	29.01	MAv1	34.7	-28.9	34.81	54	-19.19	-	-	45	103	H
4	* 4.536	39.94	PK2	34	-27.9	46.04	-	-	74	-27.96	47	358	H
	* 4.536	28.25	MAv1	34	-27.9	34.35	54	-19.65	-	-	47	358	H
5	* 7.461	37.23	PK2	35.7	-24.4	48.53	-	-	74	-25.47	283	236	V
	* 7.461	25.8	MAv1	35.7	-24.5	37	54	-17	-	-	283	236	V
6	* 12.145	36.04	PK2	39.1	-20.9	54.24	-	-	74	-19.76	257	372	V
	* 12.146	24.47	MAv1	39.1	-21	42.57	54	-11.43	-	-	257	372	V

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

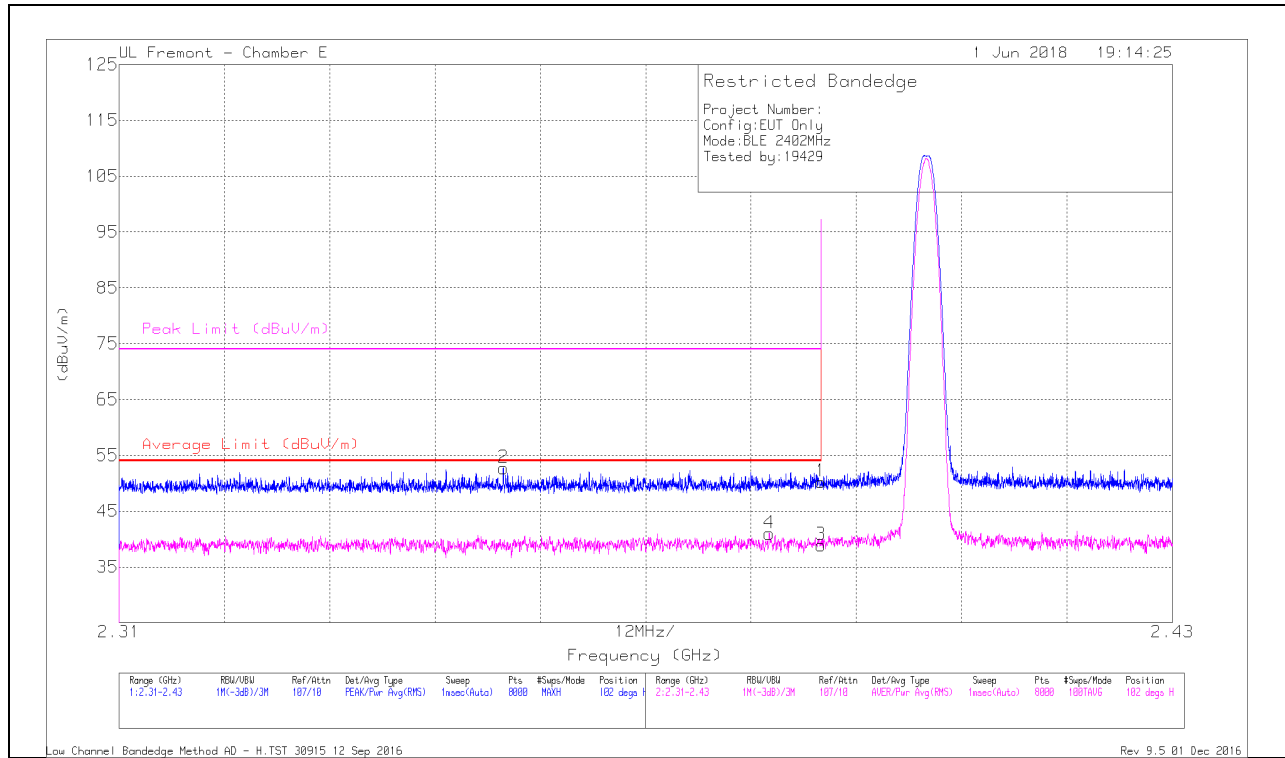
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

Antenna 5

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



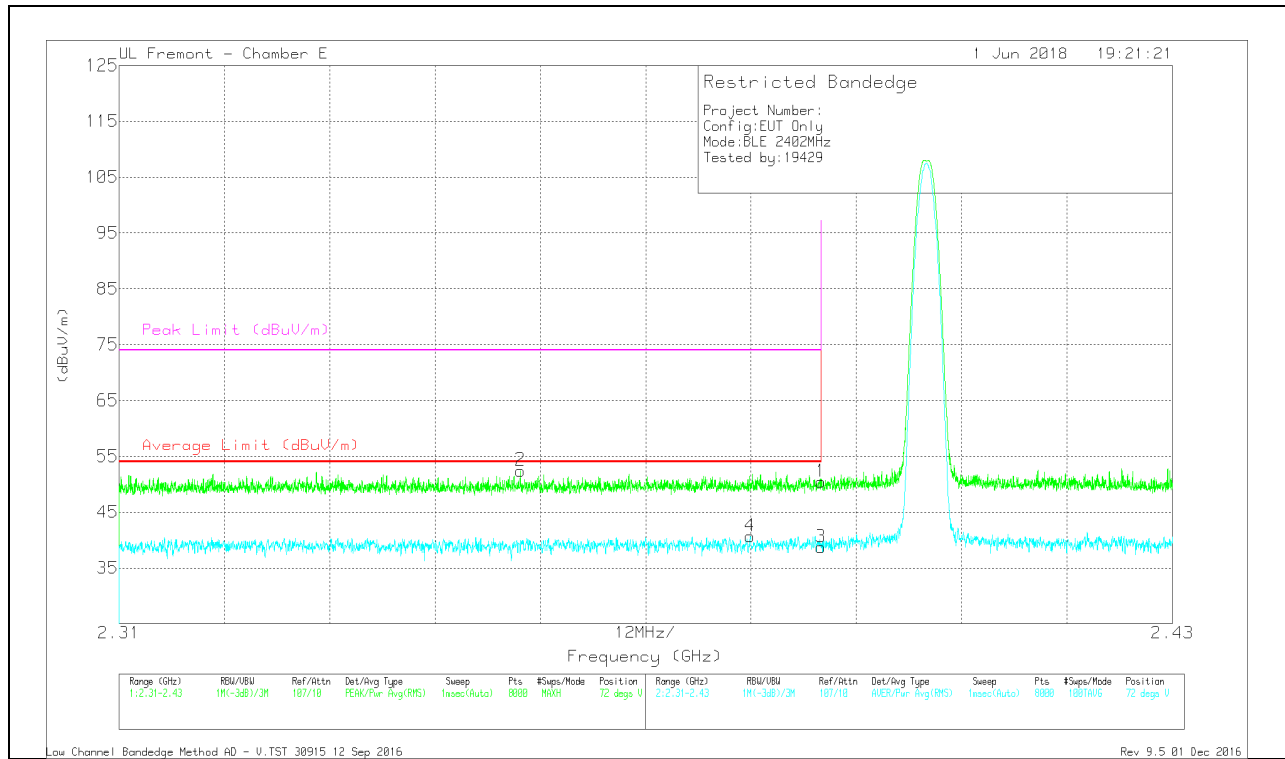
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	40.86	Pk	32	-22.6	50.26	-	-	74	-23.74	102	124	H
2	* 2.354	43.52	Pk	31.9	-22.7	52.72	-	-	74	-21.28	102	124	H
3	* 2.39	29.51	RMS	32	-22.6	38.91	54	-15.09	-	-	102	124	H
4	* 2.384	31.7	RMS	31.9	-22.6	41	54	-13	-	-	102	124	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dBm)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	41.02	Pk	32	-22.6	50.42	-	-	74	-23.58	72	391	V
2	* 2.356	43.24	Pk	31.9	-22.7	52.44	-	-	74	-21.56	72	391	V
3	* 2.39	29.33	RMS	32	-22.6	38.73	54	-15.27	-	-	72	391	V
4	* 2.382	31.38	RMS	31.9	-22.6	40.68	54	-13.32	-	-	72	391	V

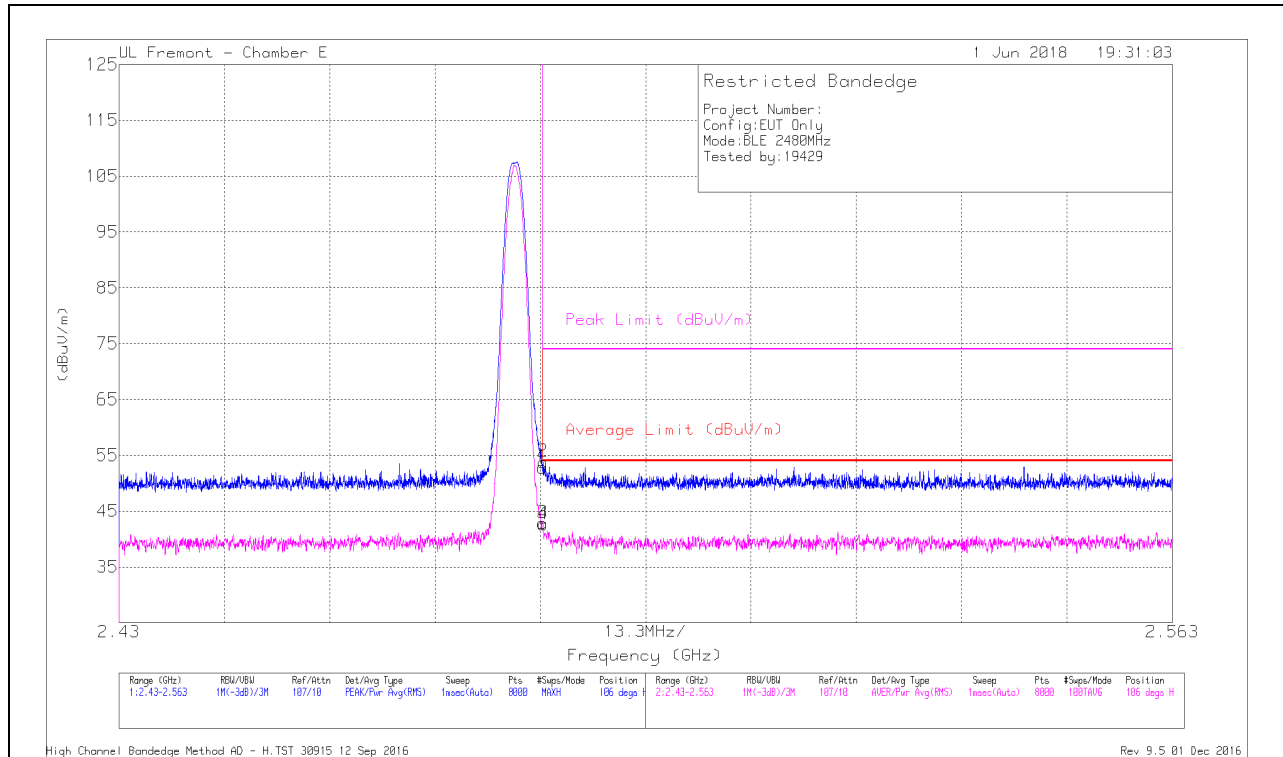
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



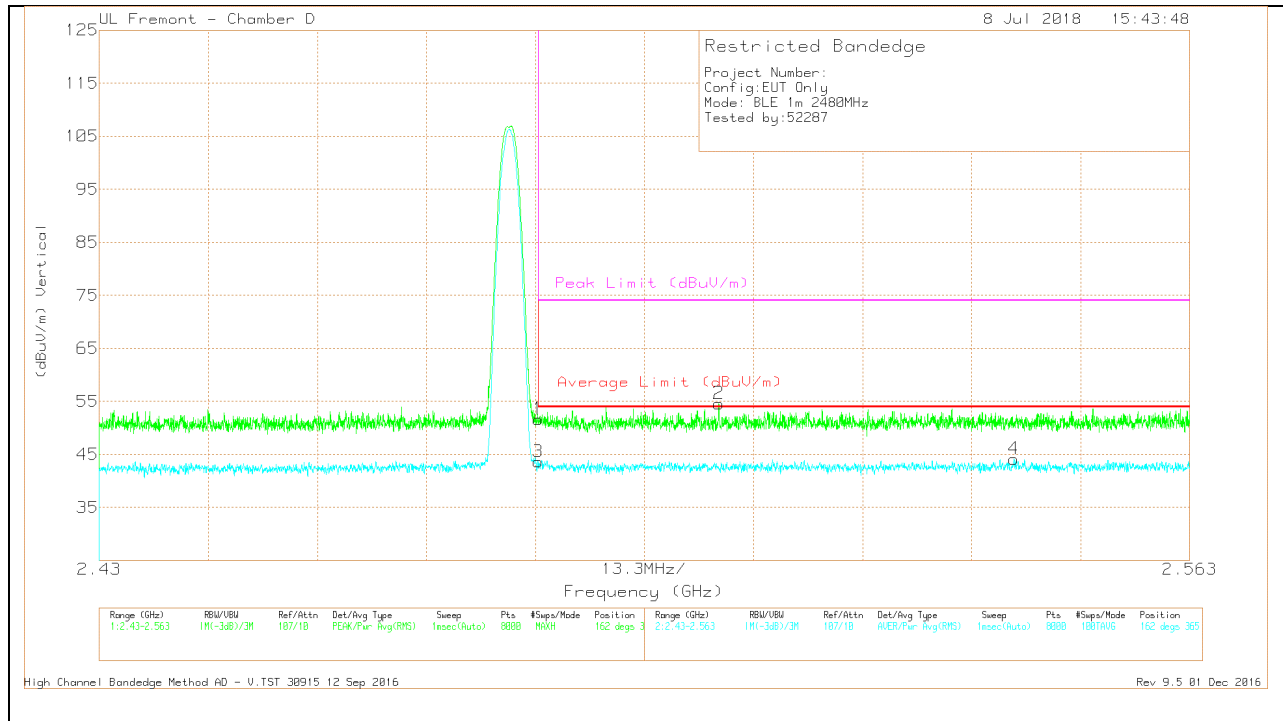
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1	* 2.484	43.04	Pk	32.1	-22.3	52.84	-	-	74	-21.16	106	138	H
2	* 2.484	44	Pk	32.1	-22.3	53.8	-	-	74	-20.2	106	138	H
3	* 2.484	33.05	RMS	32.1	-22.3	42.85	54	-11.15	-	-	106	138	H
4	* 2.484	32.8	RMS	32.1	-22.3	42.6	54	-11.4	-	-	106	138	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dBm)	Ampl/Chl/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	* 2.484	39.56	Pk	32.5	-20.4	51.66	-	-	74	-22.34	162	365	V
3	* 2.484	31.52	RMS	32.5	-20.4	43.62	54	-10.38	-	-	162	365	V
2	2.506	42.4	Pk	32.6	-20.4	54.6	-	-	74	-19.4	162	365	V
4	2.542	31.75	RMS	32.7	-20.3	44.15	54	-9.85	-	-	162	365	V

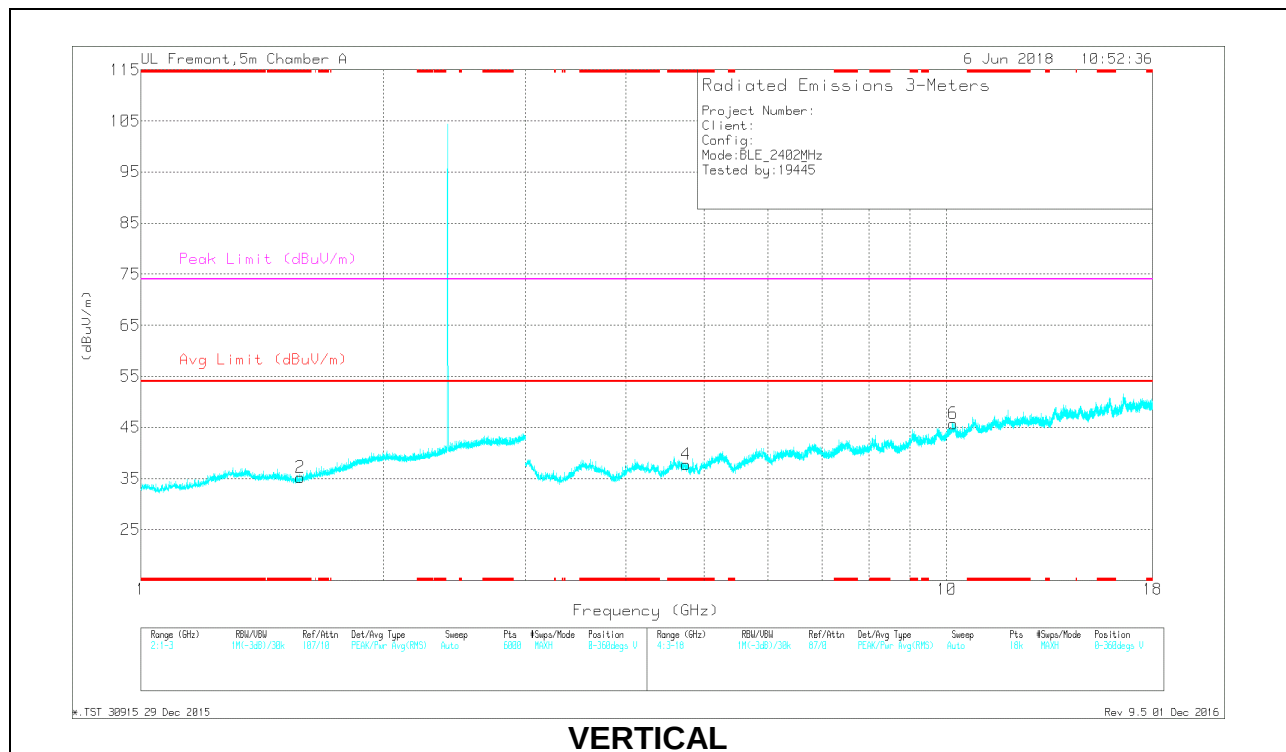
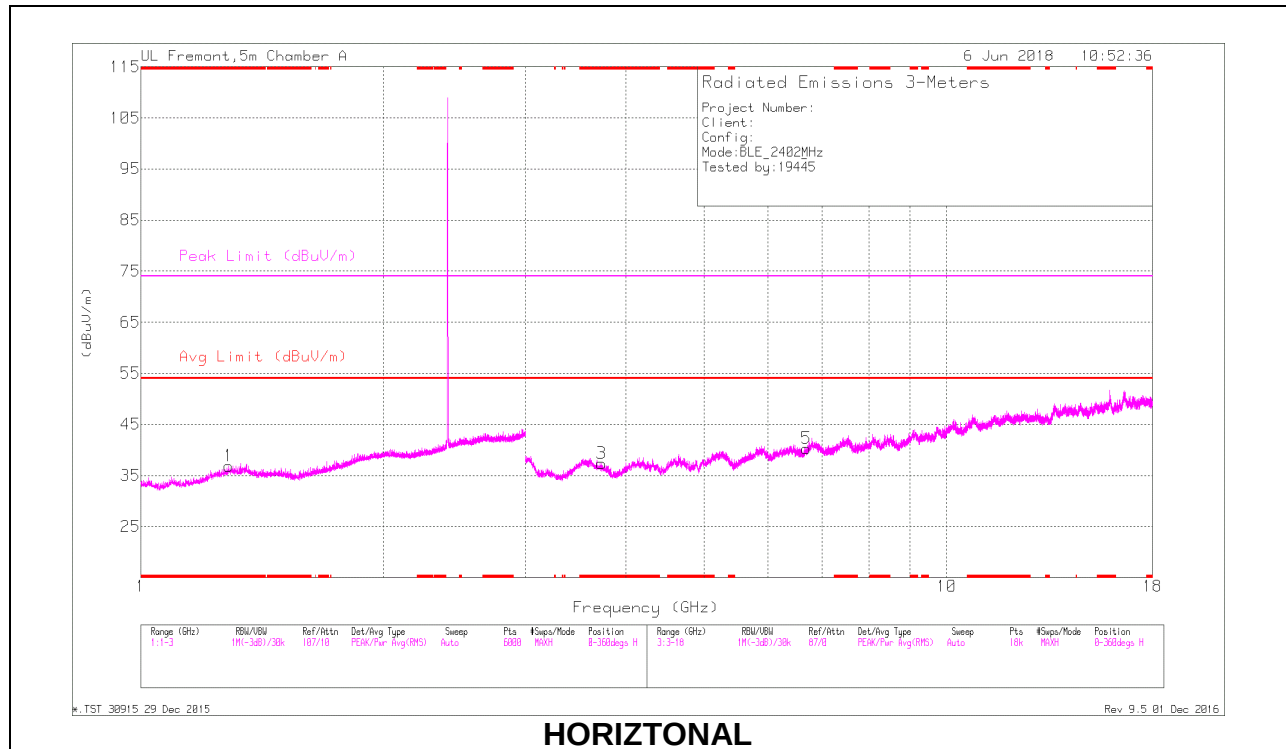
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

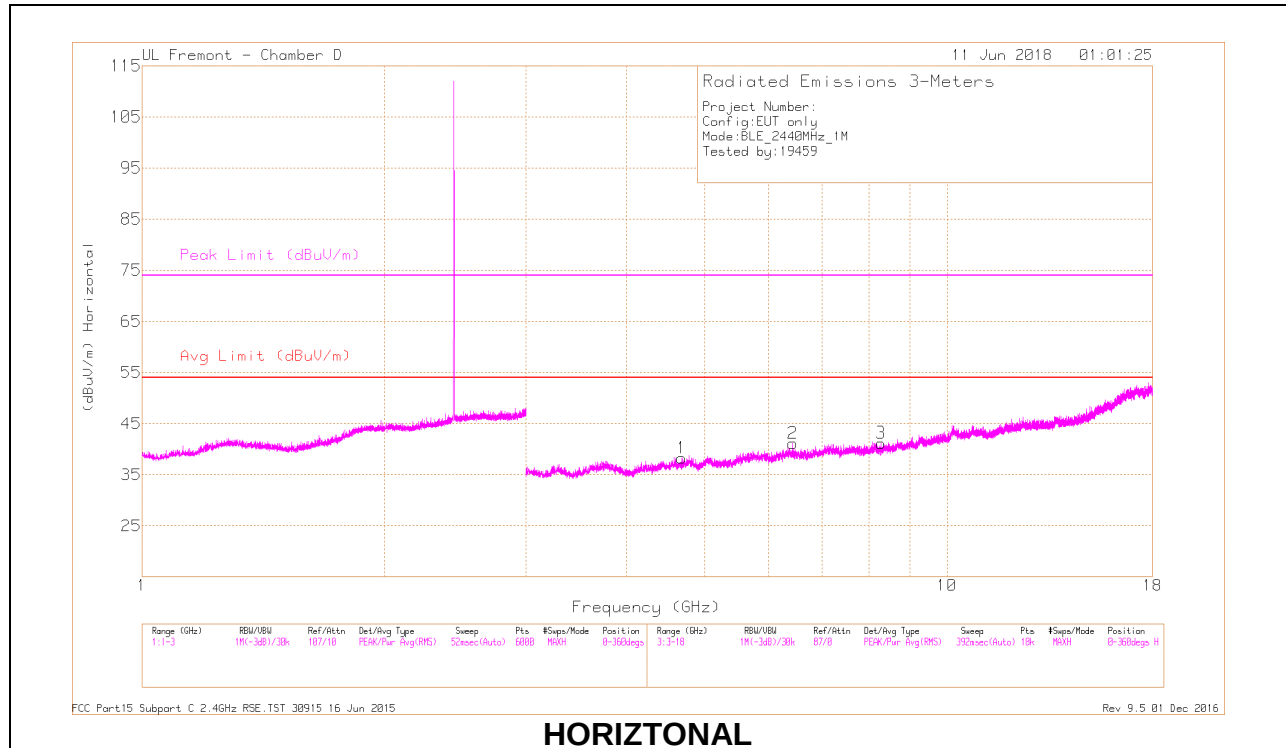
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1	* 1.284	37.75	PK2	29.3	-23.6	43.45	-	-	74	-30.55	316	148	H
	* 1.286	25.65	MAv1	29.3	-23.6	31.35	54	-22.65	-	-	316	148	H
2	* 1.579	37.91	PK2	28	-23.4	42.51	-	-	74	-31.49	238	265	V
	* 1.579	25.78	MAv1	28	-23.4	30.38	54	-23.62	-	-	238	265	V
3	* 3.729	39.34	PK2	33.1	-27.9	44.54	-	-	74	-29.46	315	218	H
	* 3.73	26.82	MAv1	33.1	-27.9	32.02	54	-21.98	-	-	315	218	H
4	* 4.743	37.77	PK2	34	-27.3	44.47	-	-	74	-29.53	271	220	V
	* 4.744	26.33	MAv1	34	-27.3	33.03	54	-20.97	-	-	271	220	V
5	6.695	36.3	PK2	35.6	-23.9	48	-	-	-	-	244	248	H
6	10.184	34.17	PK2	37.4	-19.2	52.37	-	-	-	-	132	255	V

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

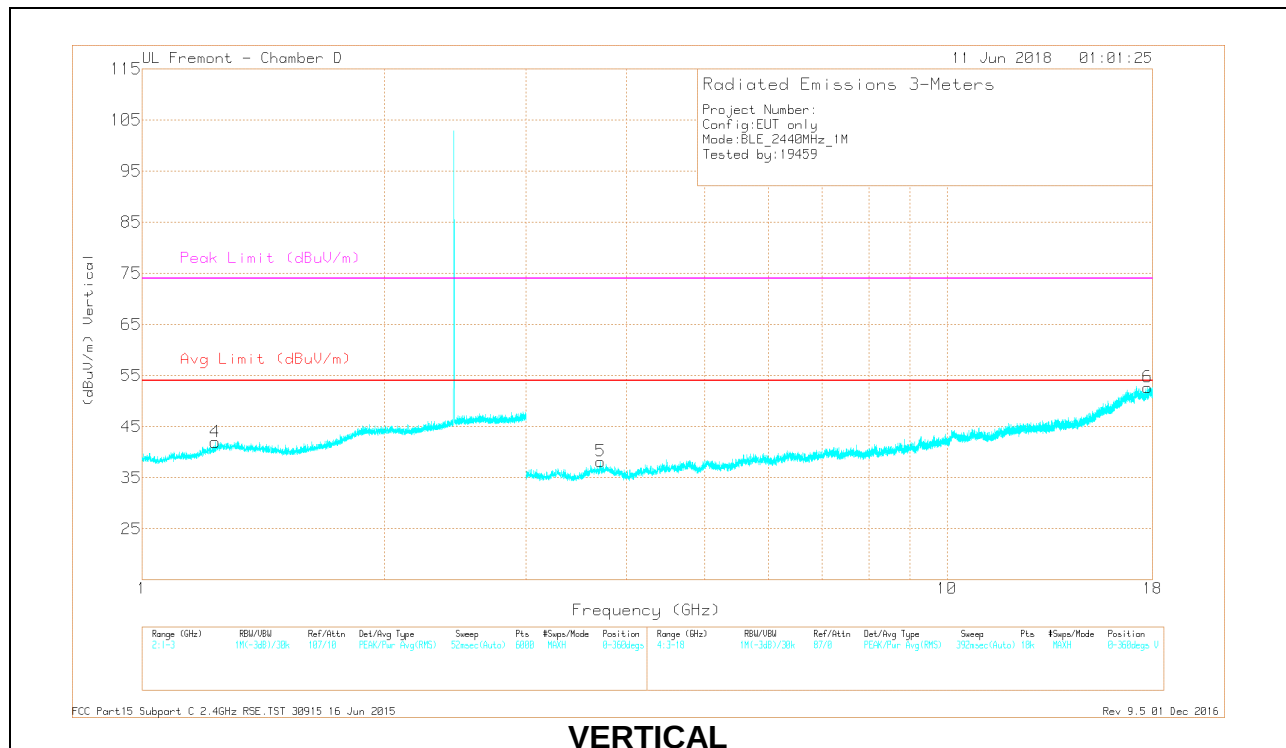
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

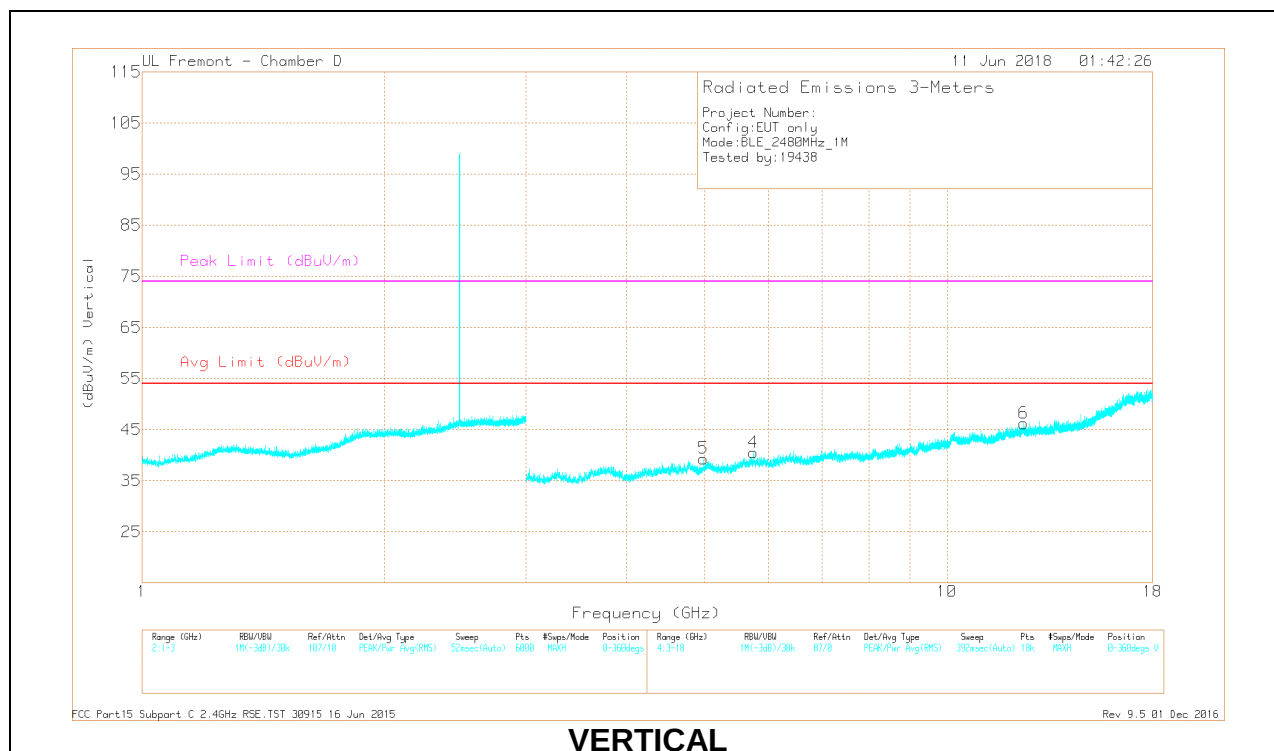
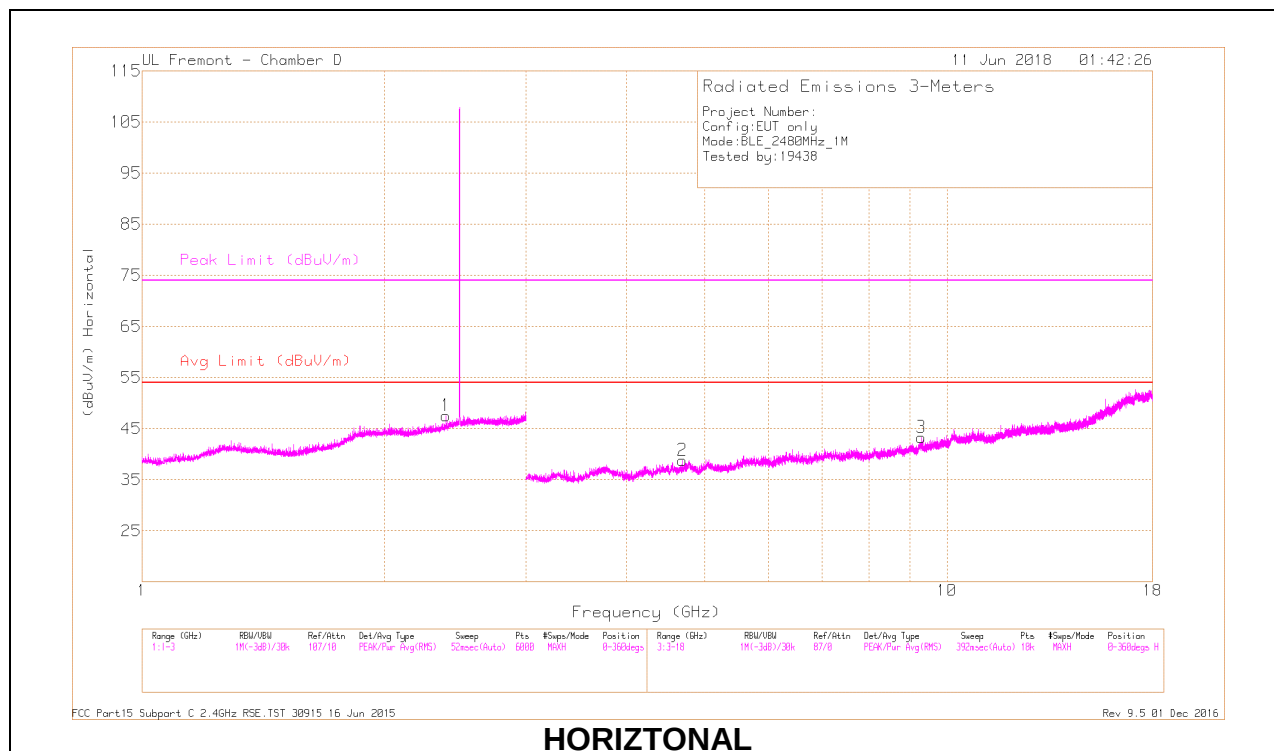
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 1.244	42.53	PK2	29	-22.1	49.43	-	-	74	-24.57	47	151	V
	* 1.248	30.47	MAv1	29	-22	37.47	54	-16.53	-	-	47	151	V
1	* 4.664	37.5	PK2	34.6	-27.6	44.5	-	-	74	-29.5	215	254	H
	* 4.662	26.24	MAv1	34.6	-27.7	33.14	54	-20.86	-	-	215	254	H
3	* 8.296	35.36	PK2	35.9	-23.3	47.96	-	-	74	-26.04	127	221	H
	* 8.283	24.26	MAv1	35.9	-23.6	36.56	54	-17.44	-	-	127	221	H
5	* 3.709	38.08	PK2	33.4	-28.5	42.98	-	-	74	-31.02	75	121	V
	* 3.714	26.95	MAv1	33.4	-28.5	31.85	54	-22.15	-	-	75	121	V
6	* 17.761	33.55	PK2	41.7	-16.5	58.75	-	-	74	-15.25	328	183	V
	* 17.764	21.9	MAv1	41.7	-16.5	47.1	54	-6.9	-	-	328	183	V
2	6.43	37	PK2	36	-25.9	47.1	-	-	-	-	300	321	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 T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.385	41.78	PK2	31.9	-20.5	53.18	-	-	74	-20.82	288	166	H
	* 2.386	30.09	MAv1	31.9	-20.5	41.49	54	-12.51	-	-	288	166	H
2	* 4.706	37.8	PK2	34.6	-27.1	45.3	-	-	74	-28.7	205	243	H
	* 4.713	26.67	MAv1	34.6	-27.1	34.17	54	-19.83	-	-	205	243	H
5	* 4.989	37.78	PK2	34.3	-26.9	45.18	-	-	74	-28.82	5	150	V
	* 4.979	26.37	MAv1	34.3	-26.9	33.77	54	-20.23	-	-	5	150	V
6	* 12.472	34.5	PK2	39	-20.1	53.4	-	-	74	-20.6	137	186	V
	* 12.467	23.37	MAv1	39	-20.1	42.27	54	-11.73	-	-	137	186	V
4	5.738	37.25	PK2	35.6	-26.7	46.15	-	-	-	-	285	327	V
3	9.294	33.45	PK2	36.4	-20.3	49.55	-	-	-	-	265	380	H

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

PK2 - KDB558074 Method: Maximum Peak

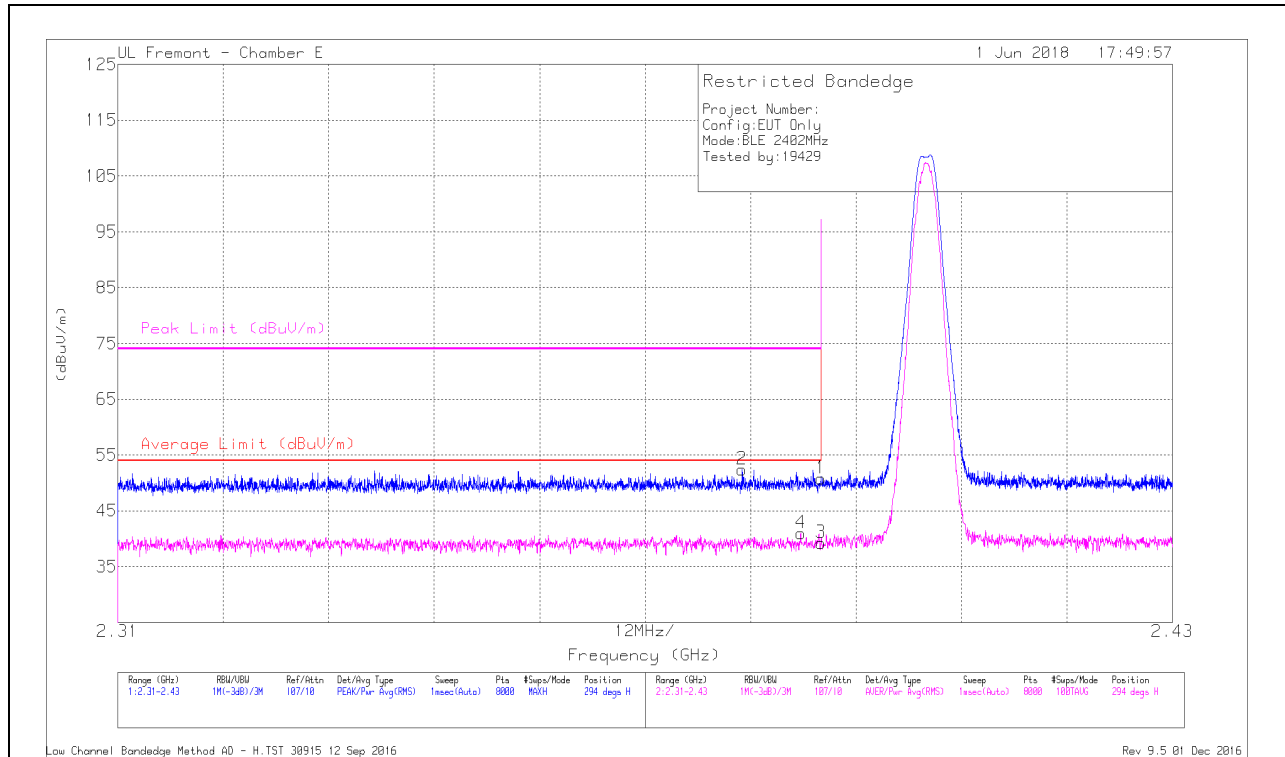
MAv1 - KDB558074 Option 1 Maximum RMS Average

9.2.2. HIGH POWER BLE (2Mbps)

Antenna 2

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



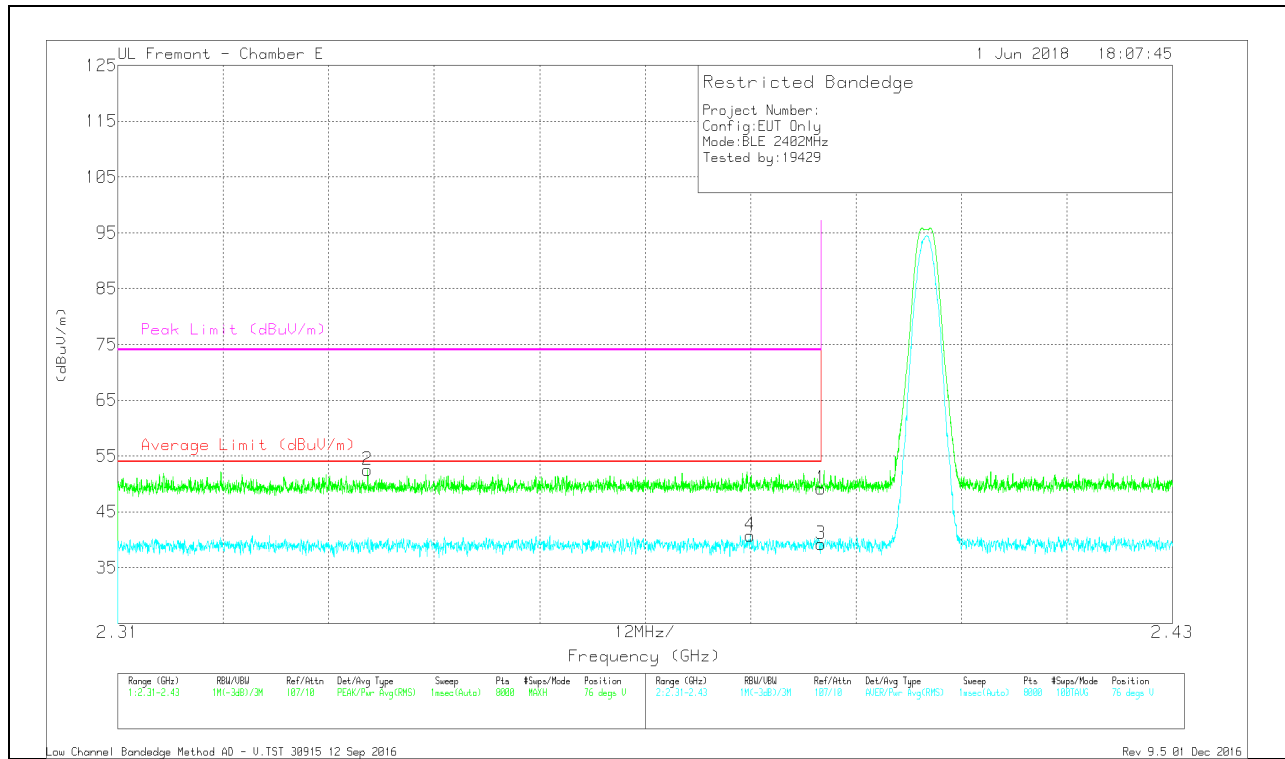
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dBm)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	41.42	Pk	32	-22.6	50.82	-	-	74	-23.18	294	105	H
2	* 2.381	43.13	Pk	31.9	-22.6	52.43	-	-	74	-21.57	294	105	H
3	* 2.39	29.79	RMS	32	-22.6	39.19	54	-14.81	-	-	294	105	H
4	* 2.388	31.64	RMS	31.9	-22.6	40.94	54	-13.06	-	-	294	105	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dBm)	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	39.79	Pk	32	-22.6	49.19	-	-	74	-24.81	76	105	V
2	* 2.338	43.37	Pk	31.8	-22.7	52.47	-	-	74	-21.53	76	105	V
3	* 2.39	29.87	RMS	32	-22.6	39.27	54	-14.73	-	-	76	105	V
4	* 2.382	31.49	RMS	31.9	-22.6	40.79	54	-13.21	-	-	76	105	V

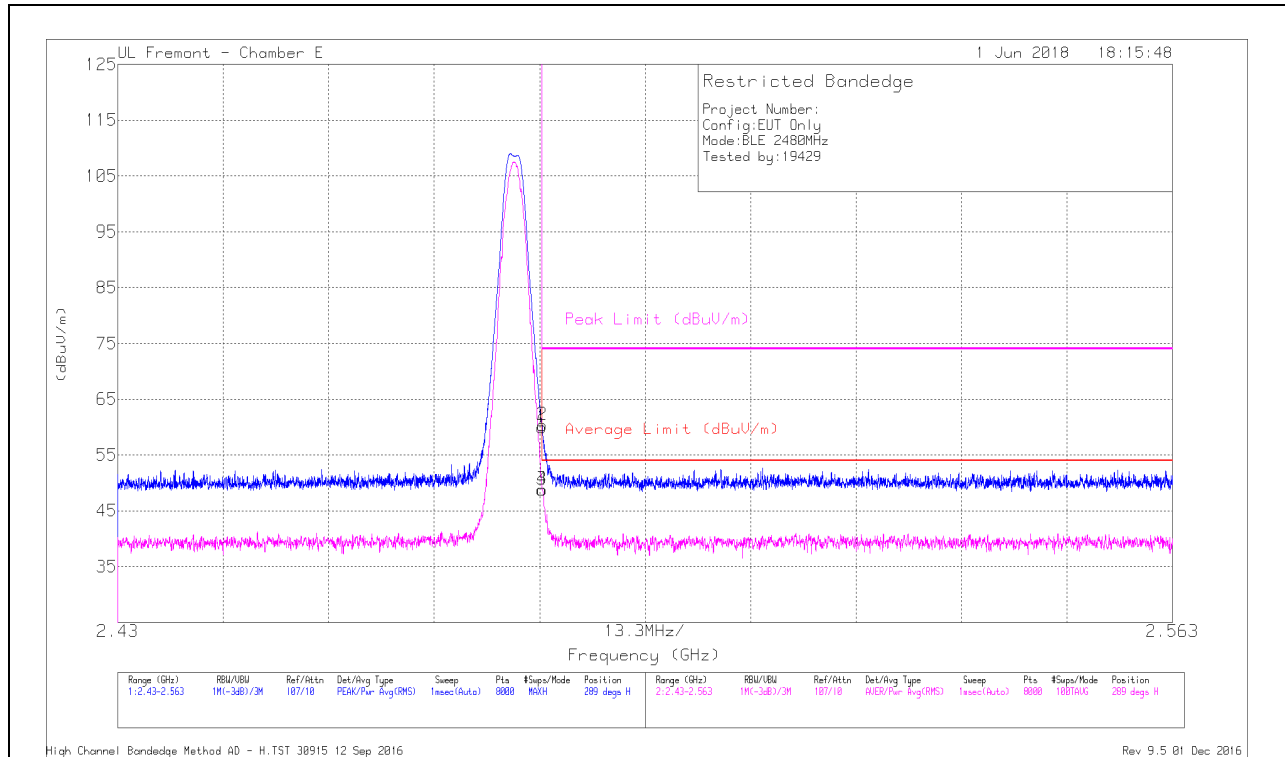
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



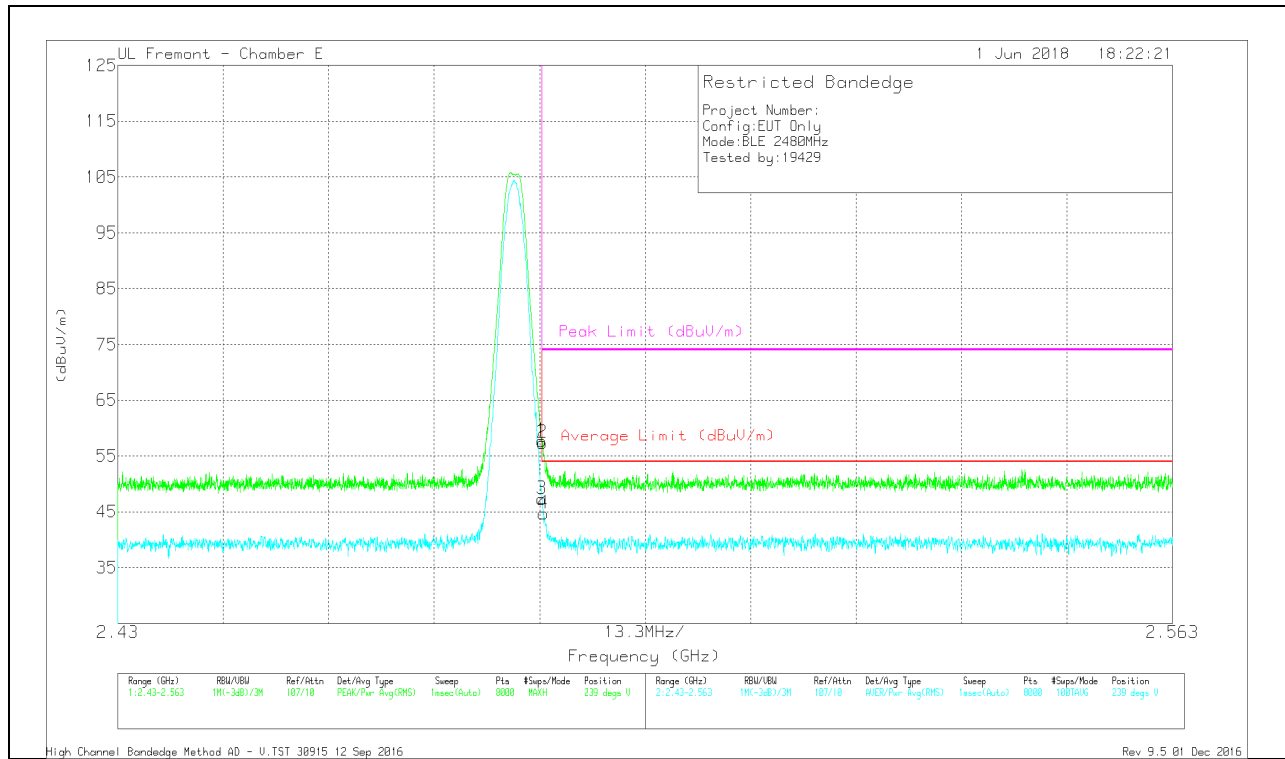
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Ampl/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	50.12	Pk	32.1	-22.3	59.92	-	-	74	-14.08	289	101	H
2	* 2.484	50.54	Pk	32.1	-22.3	60.34	-	-	74	-13.66	289	101	H
3	* 2.484	39.03	RMS	32.1	-22.3	48.83	54	-5.17	-	-	289	101	H
4	* 2.484	39.02	RMS	32.1	-22.3	48.82	54	-5.18	-	-	289	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 T346 (dB/m)	Ampl/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	47.9	Pk	32.1	-22.3	57.7	-	-	74	-16.3	239	356	V
2	* 2.484	47.61	Pk	32.1	-22.3	57.41	-	-	74	-16.59	239	356	V
3	* 2.484	37.51	RMS	32.1	-22.3	47.31	54	-6.69	-	-	239	356	V
4	* 2.484	34.87	RMS	32.1	-22.3	44.67	54	-9.33	-	-	239	356	V

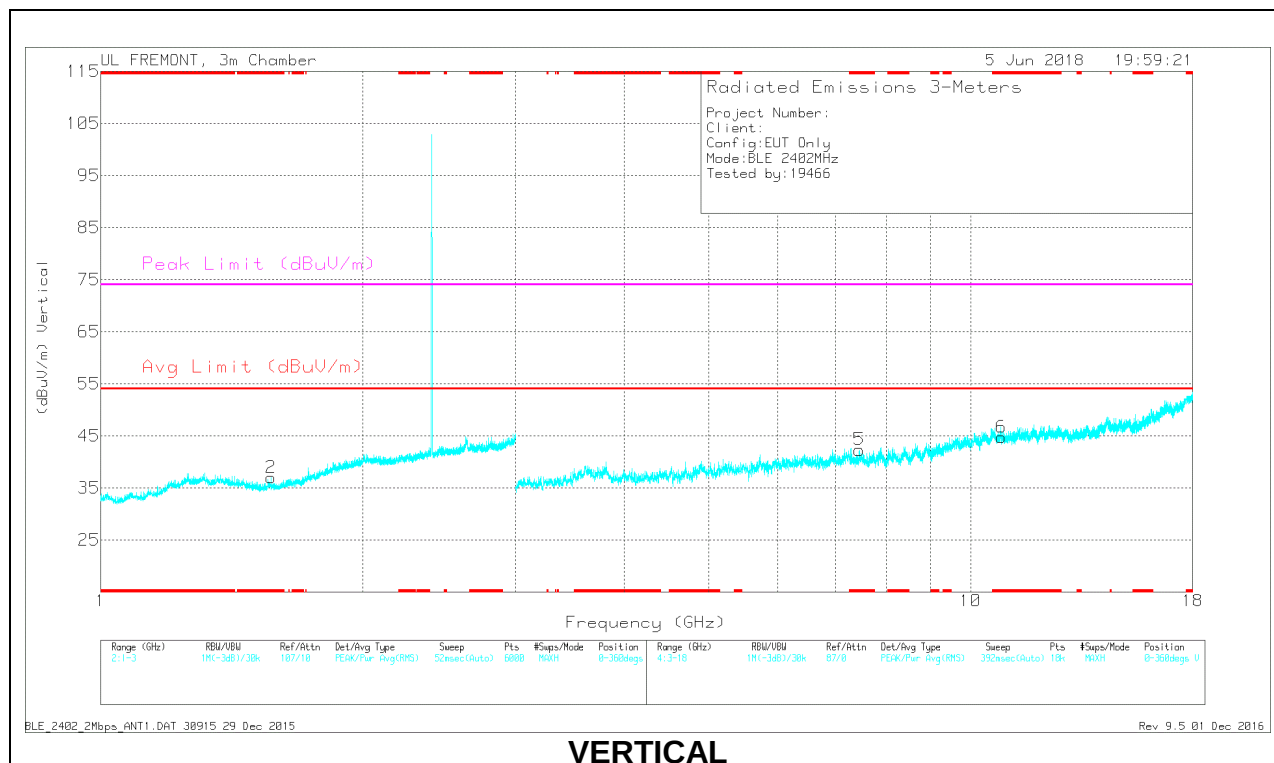
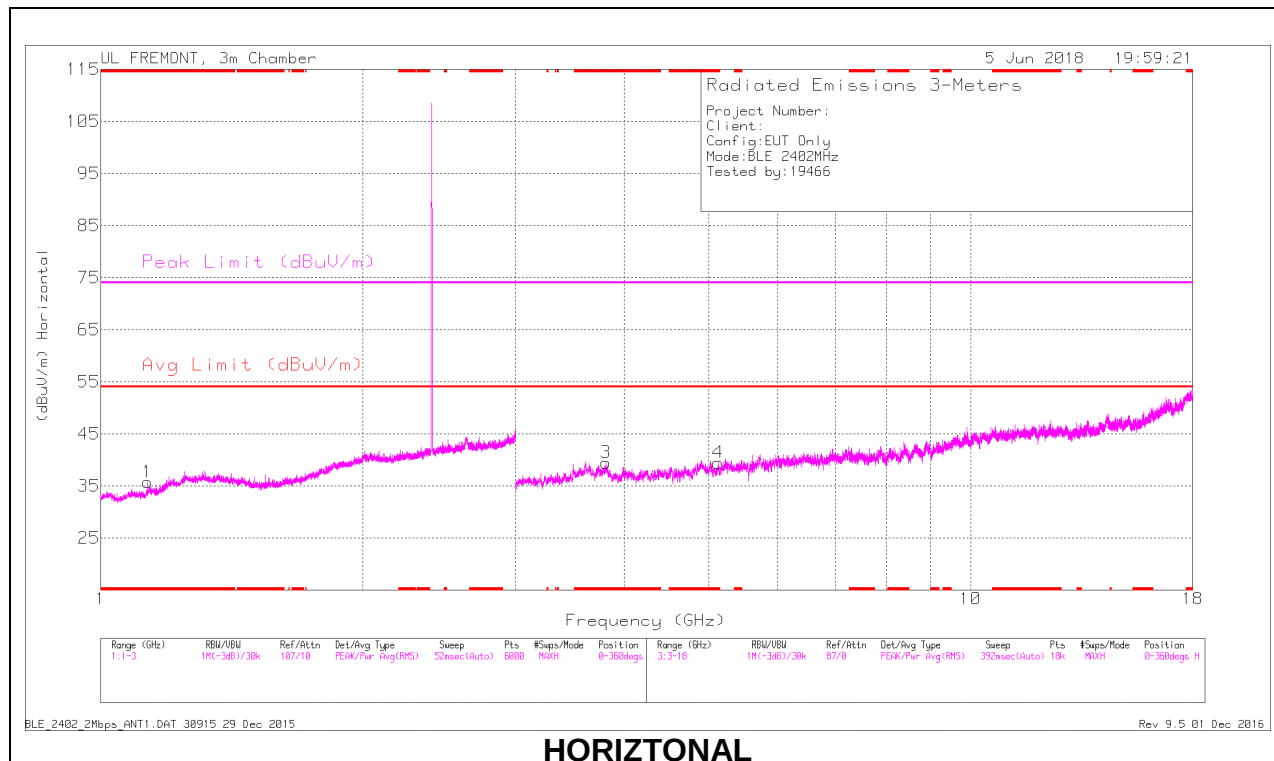
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

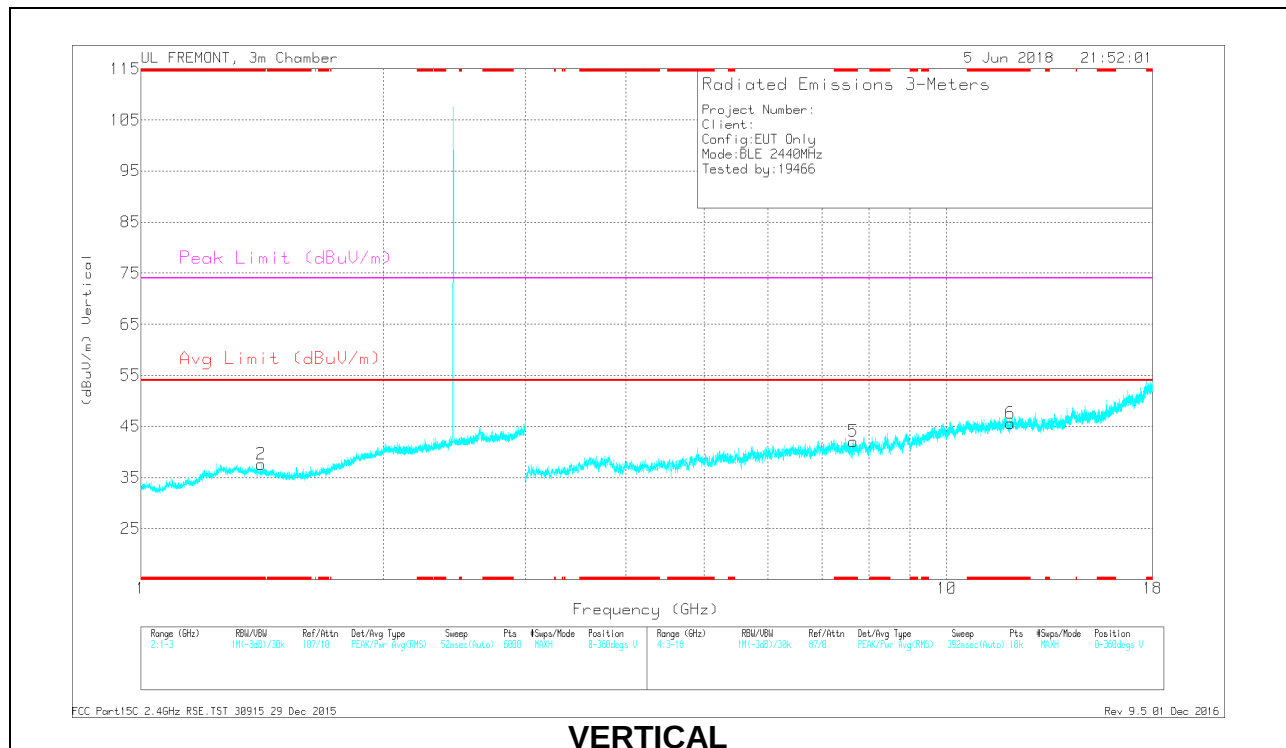
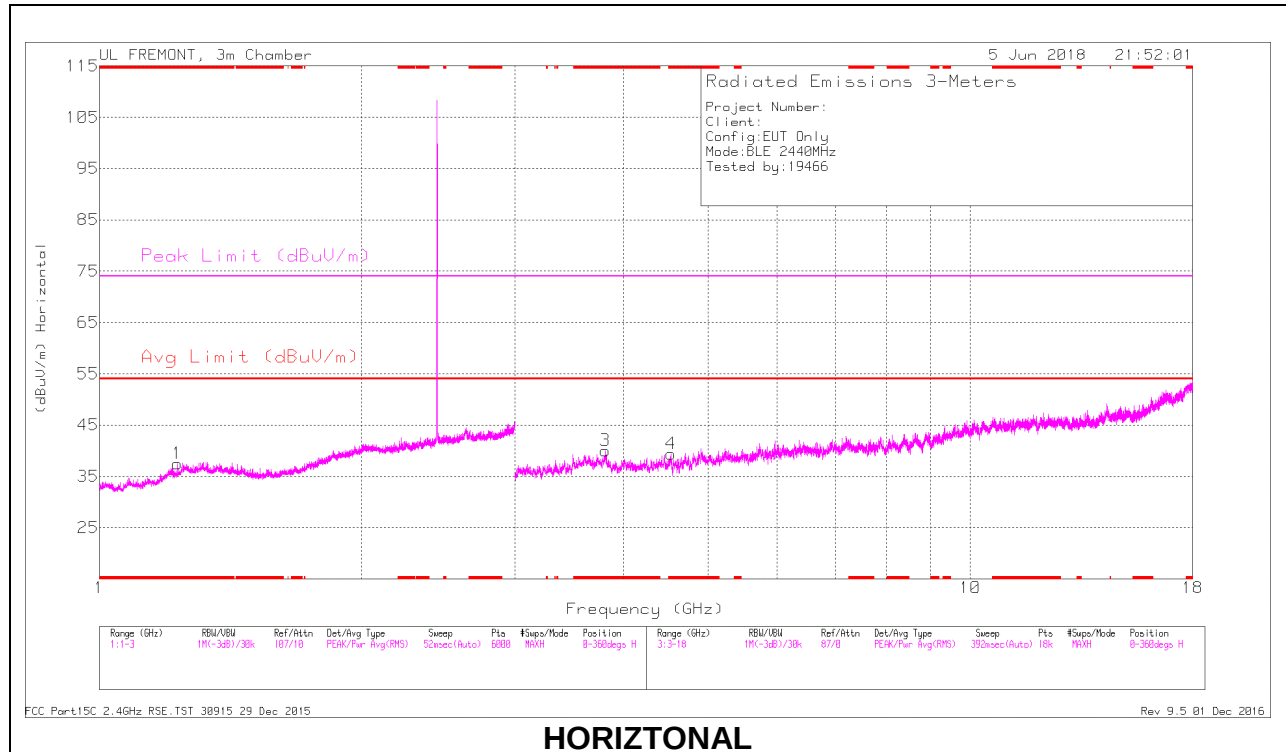
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.131	37.42	PK2	27.9	-23.2	42.12	-	-	74	-31.88	229	143	H
	* 1.133	25.28	MAv1	27.9	-23	30.18	54	-23.82	-	-	229	143	H
2	* 1.57	37.92	PK2	28	-22	43.92	-	-	74	-30.08	307	329	V
	* 1.569	25.3	MAv1	28	-22	31.3	54	-22.7	-	-	307	329	V
3	* 3.811	40.31	PK2	33.7	-26.9	47.11	-	-	74	-26.89	353	343	H
	* 3.812	28.68	MAv1	33.7	-27.1	35.28	54	-18.72	-	-	353	343	H
4	* 5.126	39.79	PK2	34.3	-27.7	46.39	-	-	74	-27.61	36	380	H
	* 5.127	28.07	MAv1	34.3	-27.7	34.67	54	-19.33	-	-	36	380	H
5	* 7.447	36.9	PK2	35.7	-23.7	48.9	-	-	74	-25.1	193	100	V
	* 7.451	25.72	MAv1	35.7	-23.8	37.62	54	-16.38	-	-	193	100	V
6	* 10.852	35.29	PK2	37.9	-20.6	52.59	-	-	74	-21.41	256	259	V
	* 10.85	23.47	MAv1	37.9	-20.6	40.77	54	-13.23	-	-	256	259	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

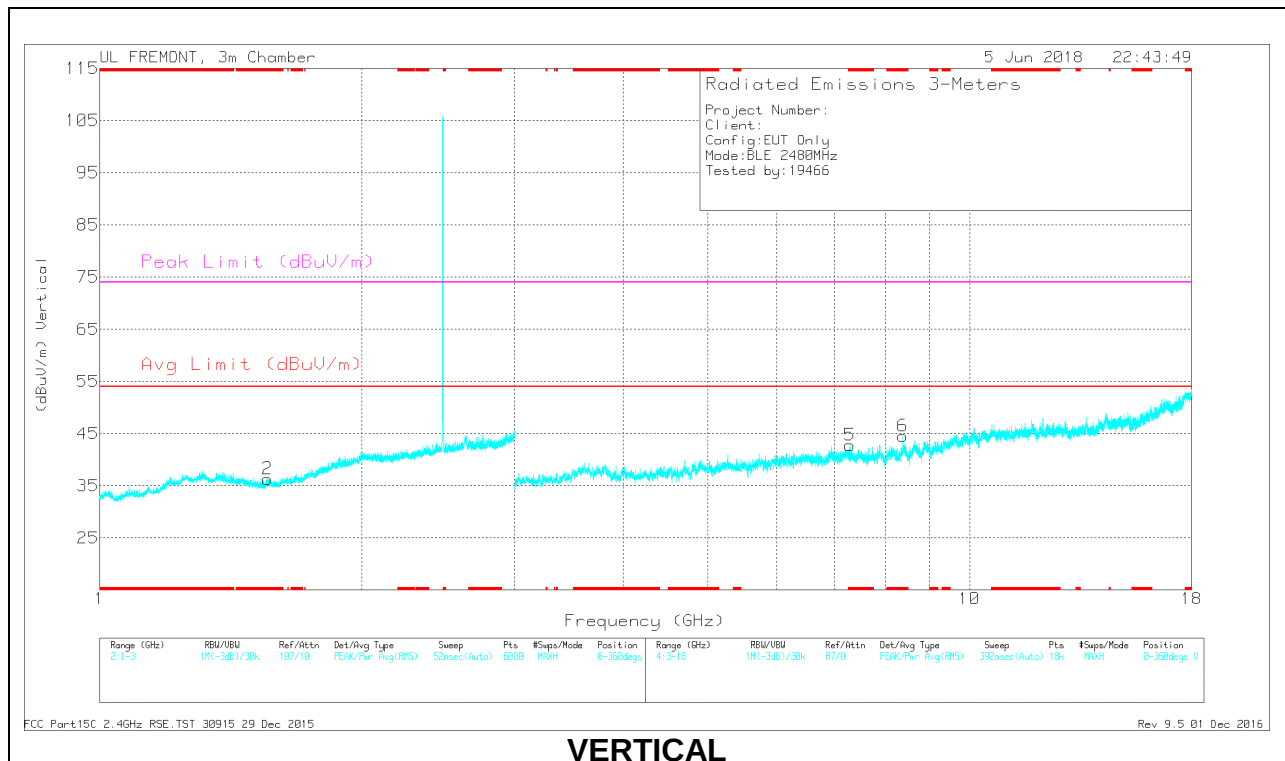
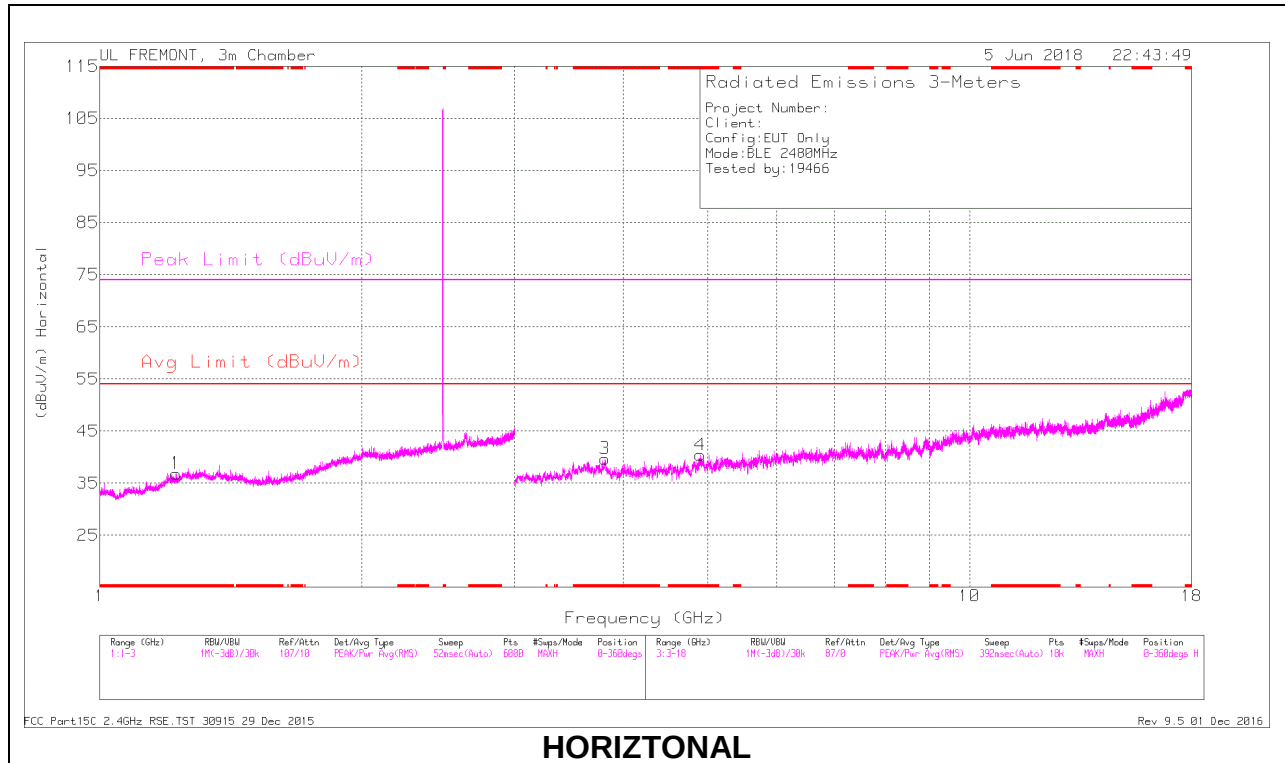
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.226	36.22	PK2	29.4	-22.8	42.82	-	-	74	-31.18	342	134	H
	* 1.229	24.65	MAv1	29.5	-22.8	31.35	54	-22.65	-	-	342	134	H
2	* 1.408	37.25	PK2	29.2	-22.4	44.05	-	-	74	-29.95	79	349	V
	* 1.41	24.98	MAv1	29.2	-22.4	31.78	54	-22.22	-	-	79	349	V
3	* 3.813	40.8	PK2	33.7	-27.2	47.3	-	-	74	-26.7	221	208	H
	* 3.813	28.78	MAv1	33.7	-27.2	35.28	54	-18.72	-	-	221	208	H
4	* 4.534	40.57	PK2	34	-27.8	46.77	-	-	74	-27.23	262	307	H
	* 4.535	28.45	MAv1	34	-27.8	34.65	54	-19.35	-	-	262	307	H
5	* 7.652	36.28	PK2	35.8	-22.7	49.38	-	-	74	-24.62	0	310	V
	* 7.654	24.92	MAv1	35.8	-23.4	37.32	54	-16.68	-	-	0	310	V
6	* 11.996	36.97	PK2	39	-22.4	53.57	-	-	74	-20.43	339	399	V
	* 11.998	24.63	MAv1	39	-22.4	41.23	54	-12.77	-	-	339	399	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 T120 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.224	36.37	PK2	29.4	-22.7	43.07	-	-	74	-30.93	334	352	H
	* 1.224	24.76	MAv1	29.4	-22.8	31.36	54	-22.64	-	-	334	352	H
2	* 1.56	38.47	PK2	28	-21.9	44.57	-	-	74	-29.43	252	304	V
	* 1.557	25.34	MAv1	28	-22	31.34	54	-22.66	-	-	252	304	V
3	* 3.808	40.86	PK2	33.7	-26.8	47.76	-	-	74	-26.24	241	200	H
	* 3.81	28.72	MAv1	33.7	-26.7	35.72	54	-18.28	-	-	241	200	H
4	* 4.904	39.66	PK2	34	-26.3	47.36	-	-	74	-26.64	154	397	H
	* 4.905	28.18	MAv1	34	-26.4	35.78	54	-18.22	-	-	154	397	H
5	* 7.286	37.6	PK2	35.7	-23.5	49.8	-	-	74	-24.2	290	359	V
	* 7.286	25.86	MAv1	35.7	-23.5	38.06	54	-15.94	-	-	290	359	V
6	* 8.385	36.02	PK2	35.7	-21.4	50.32	-	-	74	-23.68	336	285	V
	* 8.386	24.43	MAv1	35.7	-21.8	38.33	54	-15.67	-	-	336	285	V

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

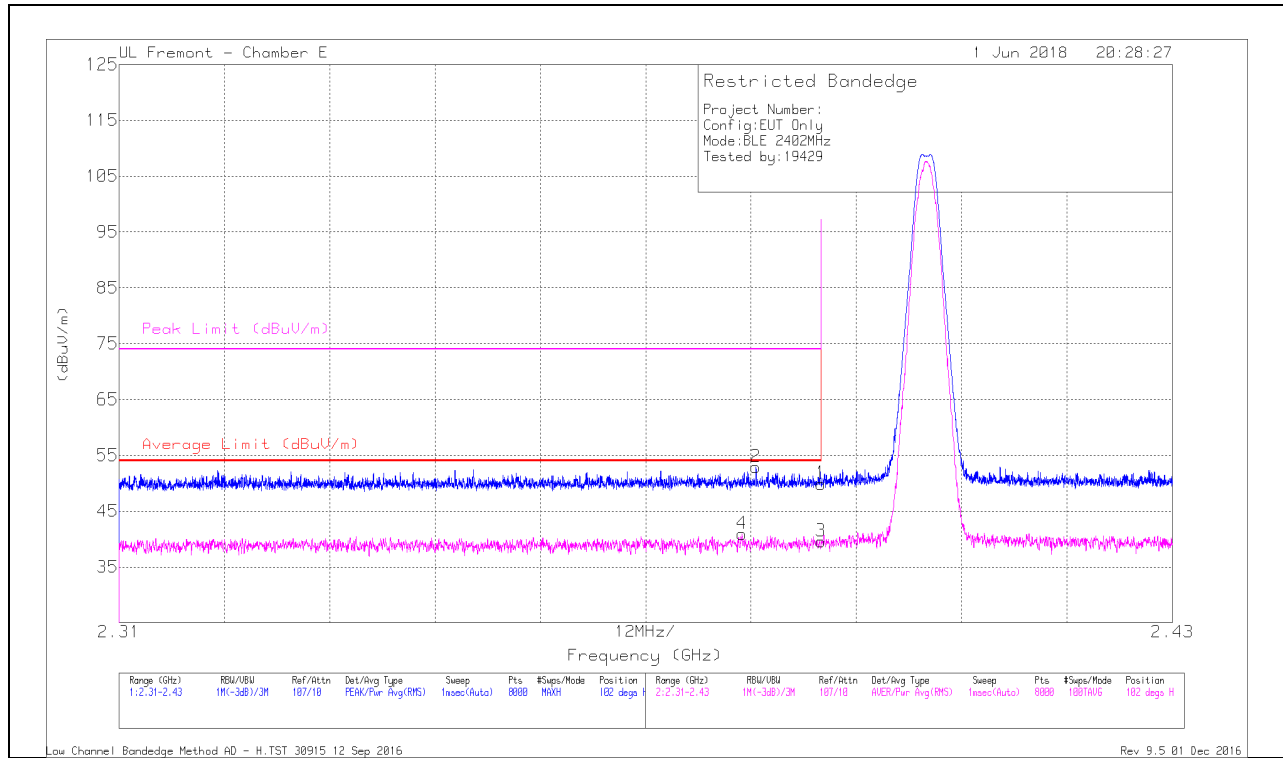
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

Antenna 5

BANDEDGE (LOW CHANNEL)

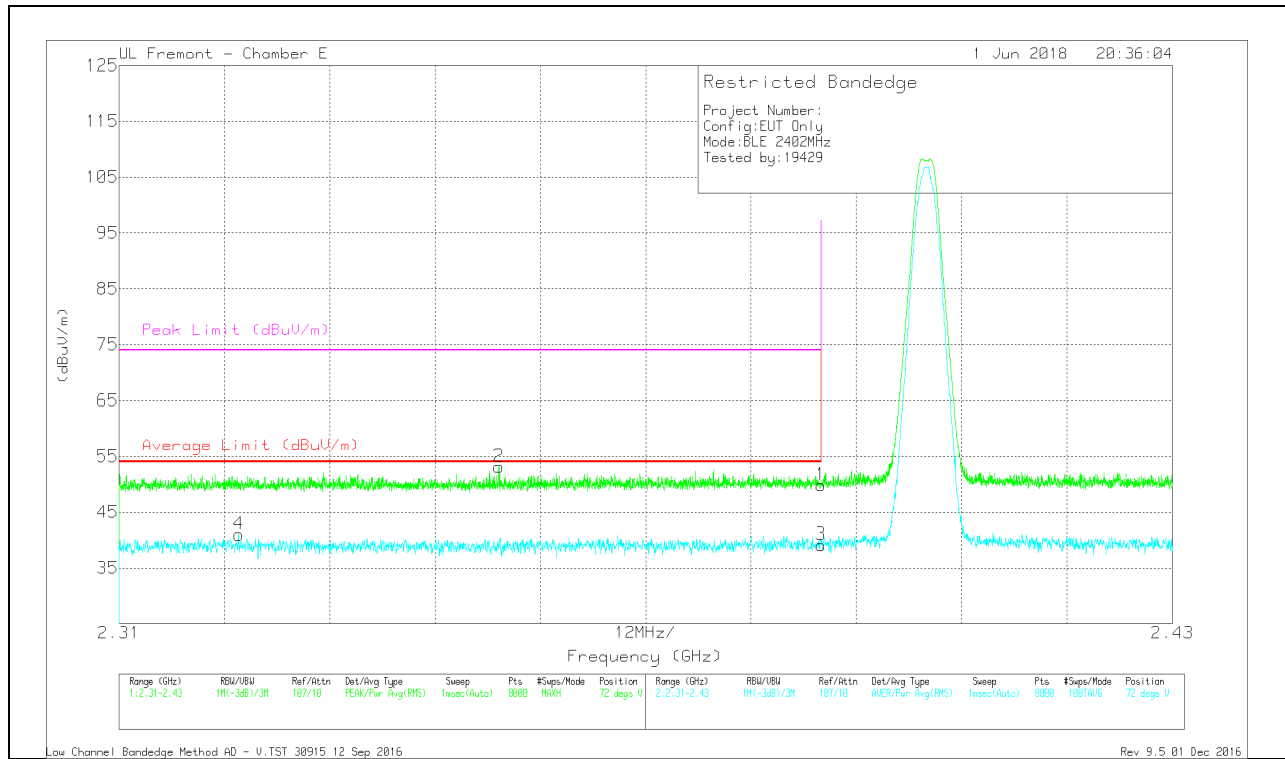
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	40.48	Pk	32	-22.6	49.88	-	-	74	-24.12	102	126	H
2	* 2.383	43.57	Pk	31.9	-22.6	52.87	-	-	74	-21.13	102	126	H
3	* 2.39	30.17	RMS	32	-22.6	39.57	54	-14.43	-	-	102	126	H
4	* 2.381	31.61	RMS	31.9	-22.6	40.91	54	-13.09	-	-	102	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 T346 (dBm)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	40.44	Pk	32	-22.6	49.84	-	-	74	-24.16	72	391	V
2	* 2.353	44.01	Pk	31.8	-22.7	53.11	-	-	74	-20.89	72	391	V
3	* 2.39	29.72	RMS	32	-22.6	39.12	54	-14.88	-	-	72	391	V
4	* 2.324	31.89	RMS	31.8	-22.7	40.99	54	-13.01	-	-	72	391	V

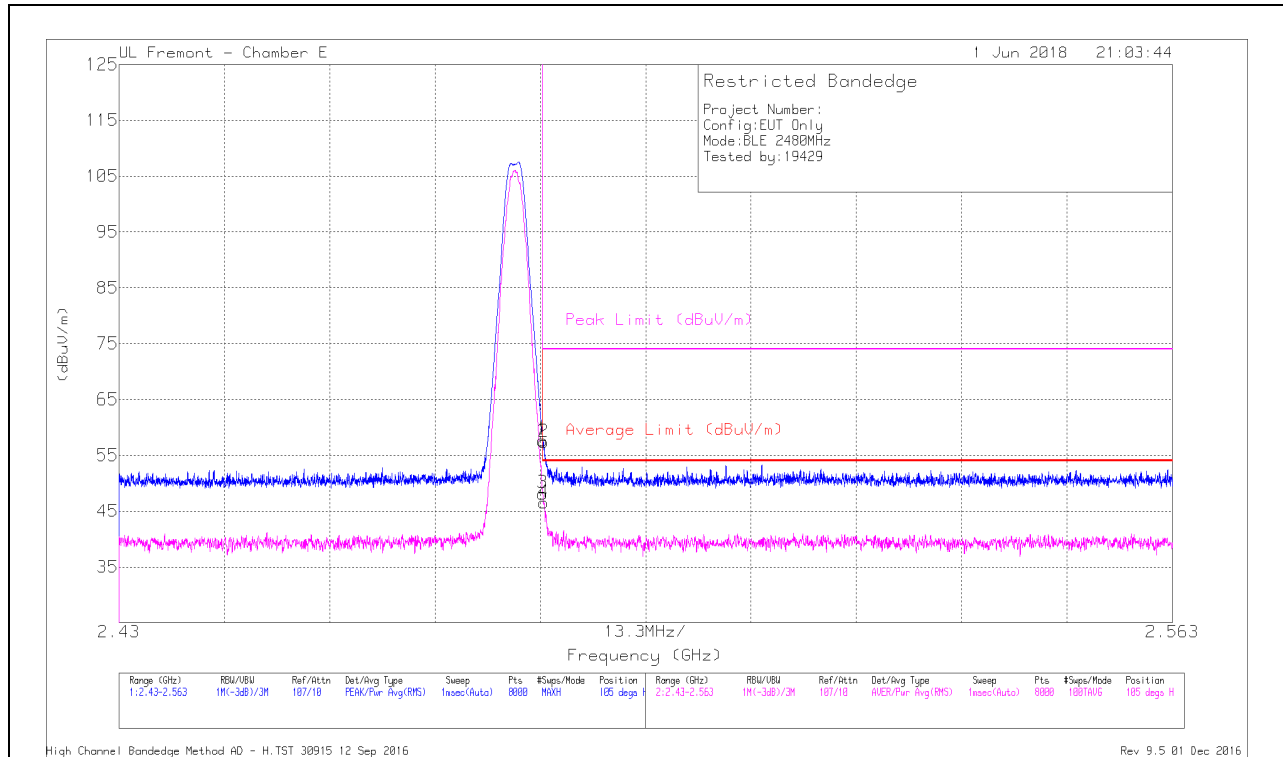
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



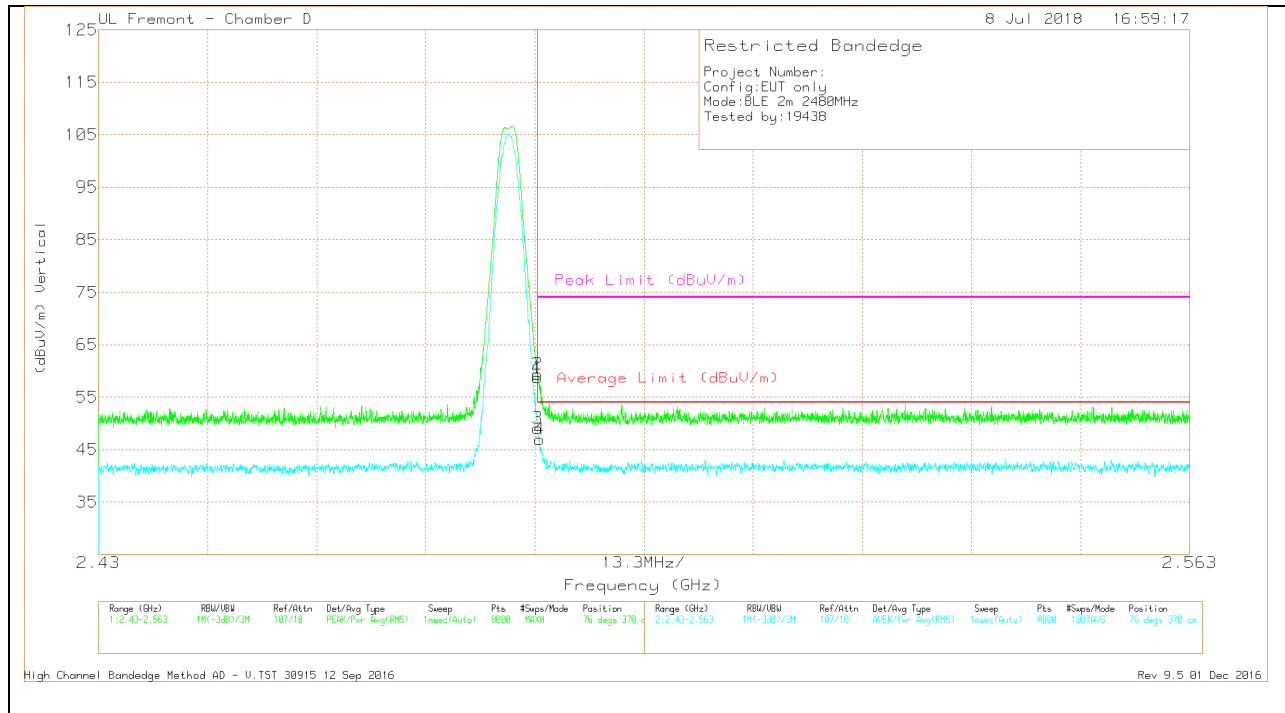
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Ampl/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	47.92	Pk	32.1	-22.3	57.72	-	-	74	-16.28	105	137	H
2	* 2.484	47.59	Pk	32.1	-22.3	57.39	-	-	74	-16.61	105	137	H
3	* 2.484	38.39	RMS	32.1	-22.3	48.19	54	-5.81	-	-	105	137	H
4	* 2.484	36.74	RMS	32.1	-22.3	46.54	54	-7.46	-	-	105	137	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

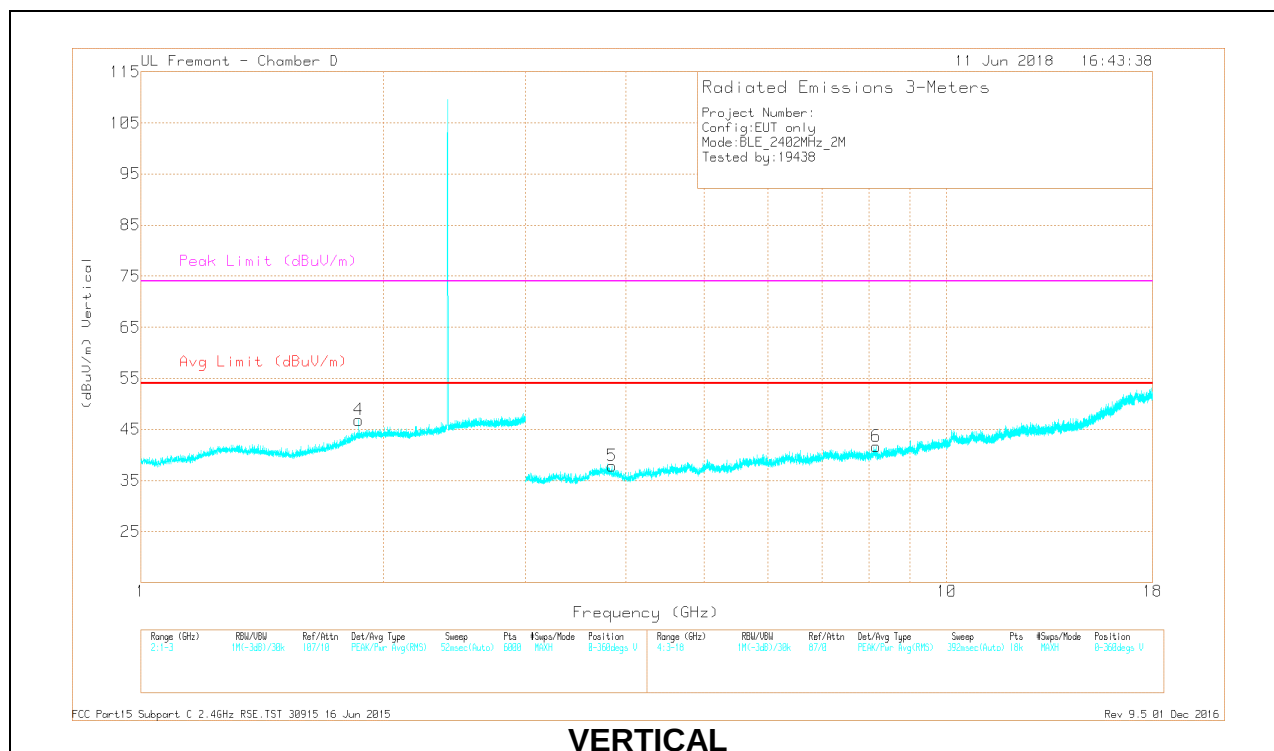
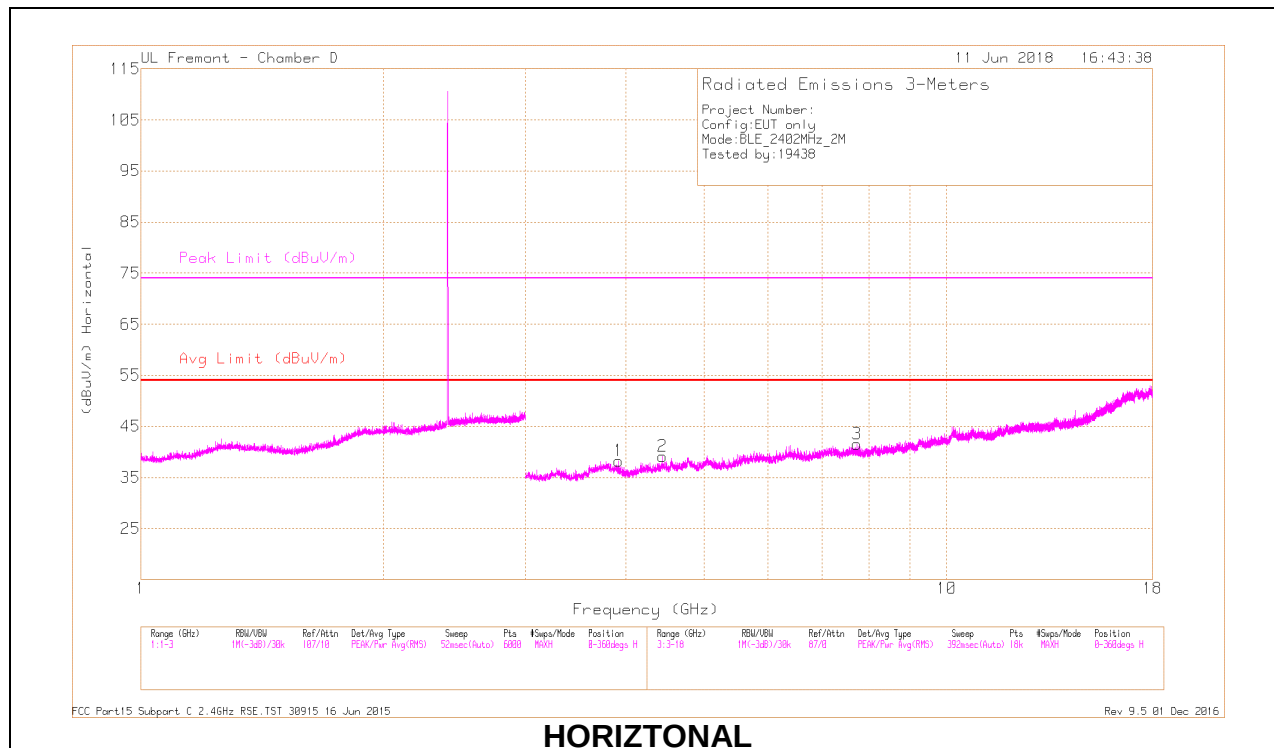


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	46.65	Pk	32.5	-20.4	58.75	-	-	74	-15.25	76	370	V
2	* 2.484	47.31	Pk	32.5	-20.5	59.31	-	-	74	-14.69	76	370	V
3	* 2.484	36.99	RMS	32.5	-20.4	49.09	54	-4.91	-	-	76	370	V
4	* 2.484	34.91	RMS	32.5	-20.5	46.91	54	-7.09	-	-	76	370	V

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

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

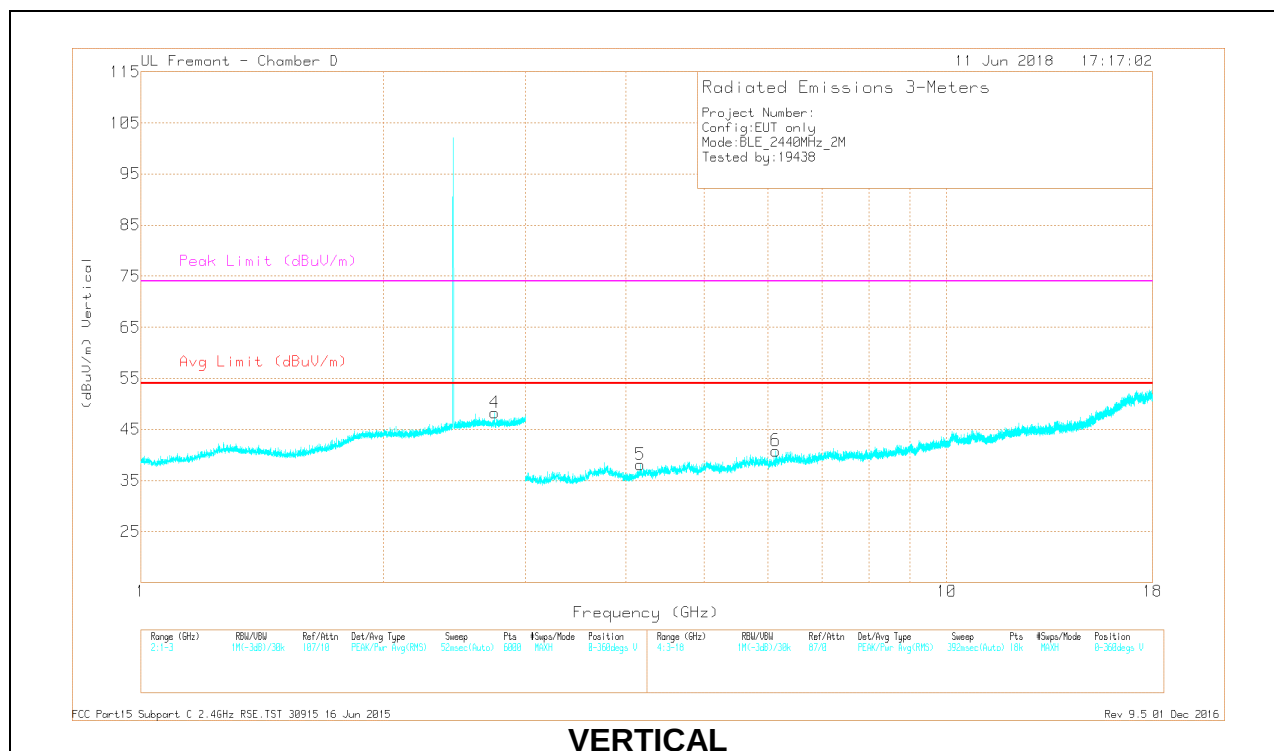
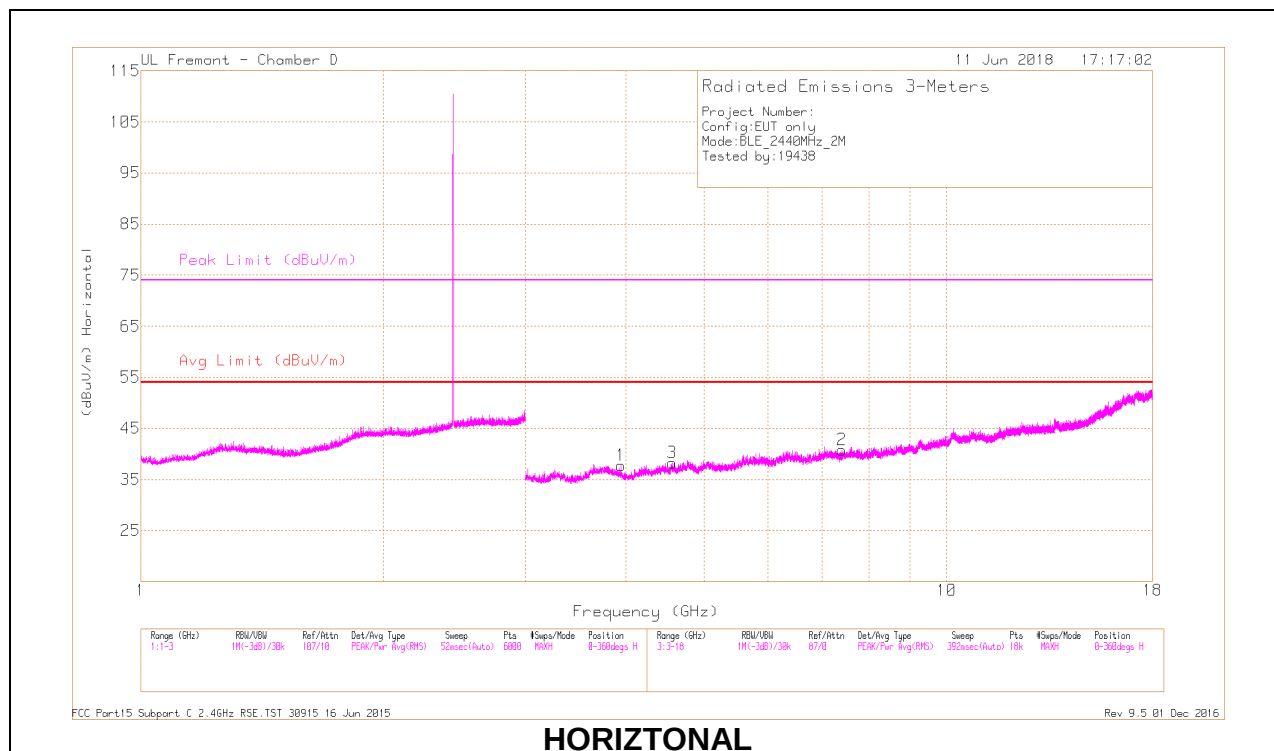
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.897	37.21	PK2	33.6	-27.8	43.01	-	-	74	-30.99	112	222	H
	* 3.895	26.73	MAv1	33.6	-27.8	32.53	54	-21.47	-	-	112	222	H
3	* 7.741	35.76	PK2	35.9	-24	47.66	-	-	74	-26.34	213	179	H
	* 7.74	24.46	MAv1	35.9	-24	36.36	54	-17.64	-	-	213	179	H
5	* 3.829	38.12	PK2	33.6	-28.2	43.52	-	-	74	-30.48	289	139	V
	* 3.838	26.92	MAv1	33.6	-28.3	32.22	54	-21.78	-	-	289	139	V
6	* 8.158	34.47	PK2	35.8	-22.7	47.57	-	-	74	-26.43	205	263	V
	* 8.175	23.09	MAv1	35.8	-22.7	36.19	54	-17.81	-	-	205	263	V
4	1.843	42.13	PK2	31.1	-21.2	52.03	-	-	-	-	72	155	V
2	4.429	36.89	PK2	34.2	-27.2	43.89	-	-	-	-	168	244	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

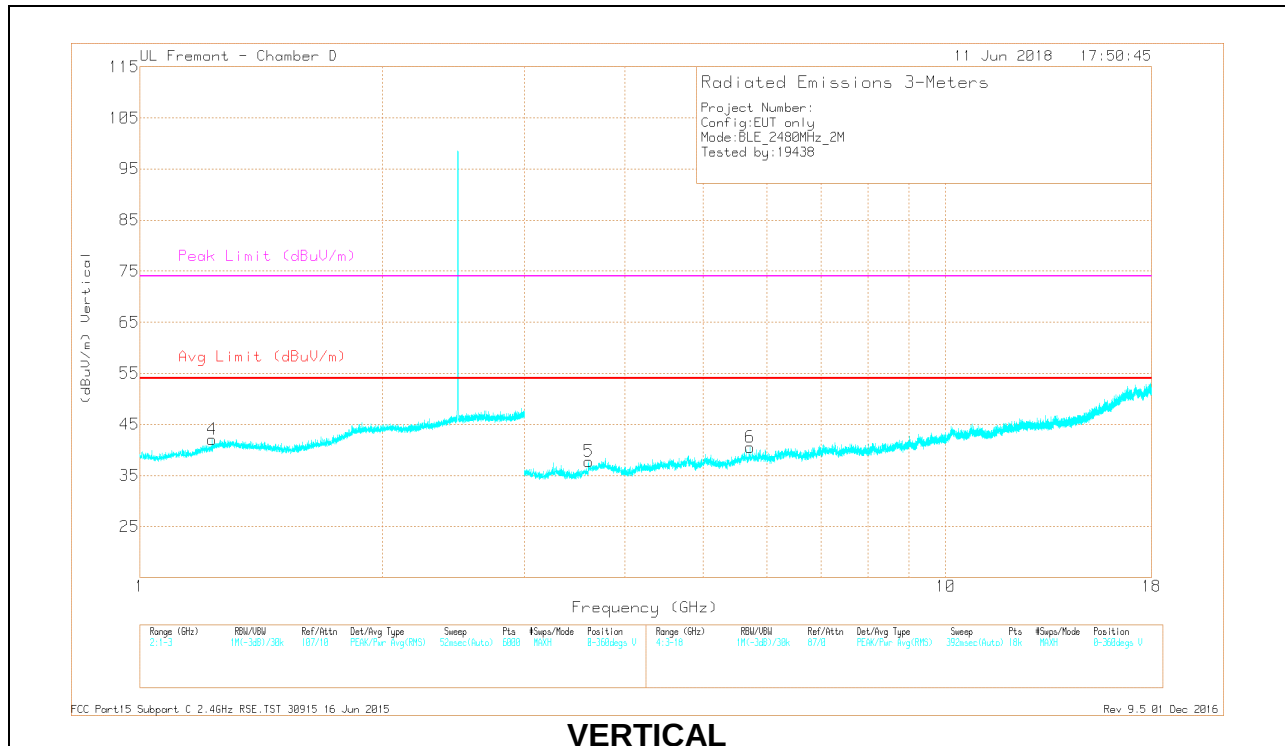
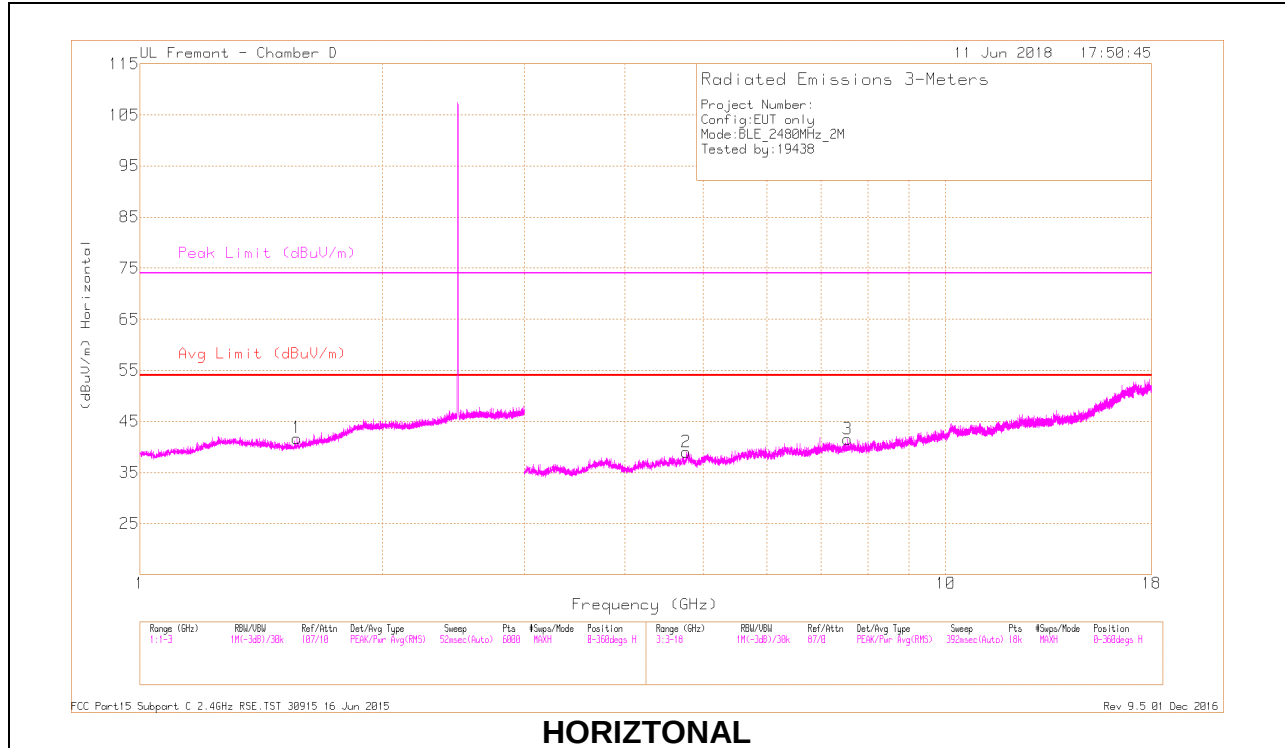
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 2.741	41.39	PK2	32.5	-20.2	53.69	-	-	74	-20.31	149	100	V
	* 2.738	29.7	MAv1	32.5	-20.2	42	54	-12	-	-	149	100	V
1	* 3.963	37.44	PK2	33.6	-28.1	42.94	-	-	74	-31.06	172	194	H
	* 3.947	26.34	MAv1	33.5	-27.8	32.04	54	-21.96	-	-	172	194	H
2	* 7.412	35.22	PK2	36.2	-24.3	47.12	-	-	74	-26.88	250	245	H
	* 7.392	24.38	MAv1	36.2	-24.4	36.18	54	-17.82	-	-	250	245	H
3	* 4.567	37.4	PK2	34.6	-27.6	44.4	-	-	74	-29.6	4	247	H
	* 4.552	25.87	MAv1	34.6	-27.5	32.97	54	-21.03	-	-	4	247	H
5	* 4.171	37.59	PK2	33.7	-27.6	43.69	-	-	74	-30.31	190	288	V
	* 4.173	26.28	MAv1	33.7	-27.6	32.38	54	-21.62	-	-	190	288	V
6	6.123	37.26	PK2	35.8	-26.5	46.56	-	-	-	-	275	339	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 T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.56	41.77	PK2	28.1	-21.6	48.27	-	-	74	-25.73	129	272	H
	* 1.577	29.98	MAv1	28.2	-21.6	36.58	54	-17.42	-	-	129	272	H
4	* 1.232	42.26	PK2	28.8	-22.1	48.96	-	-	74	-25.04	207	383	V
	* 1.242	30.16	MAv1	28.9	-22.1	36.96	54	-17.04	-	-	207	383	V
2	* 4.767	37.8	PK2	34.5	-26.3	46	-	-	74	-28	303	190	H
	* 4.766	25.73	MAv1	34.6	-26.3	34.03	54	-19.97	-	-	303	190	H
3	* 7.568	35.75	PK2	36.3	-24.3	47.75	-	-	74	-26.25	210	255	H
	* 7.561	24.32	MAv1	36.3	-24.3	36.32	54	-17.68	-	-	210	255	H
5	* 3.605	37.19	PK2	33.5	-27.9	42.79	-	-	74	-31.21	278	321	V
	* 3.605	26.05	MAv1	33.5	-27.9	31.65	54	-22.35	-	-	278	321	V
6	5.701	36.72	PK2	35.5	-26.3	45.92	-	-	-	-	104	177	V

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

PK2 - KDB558074 Method: Maximum Peak

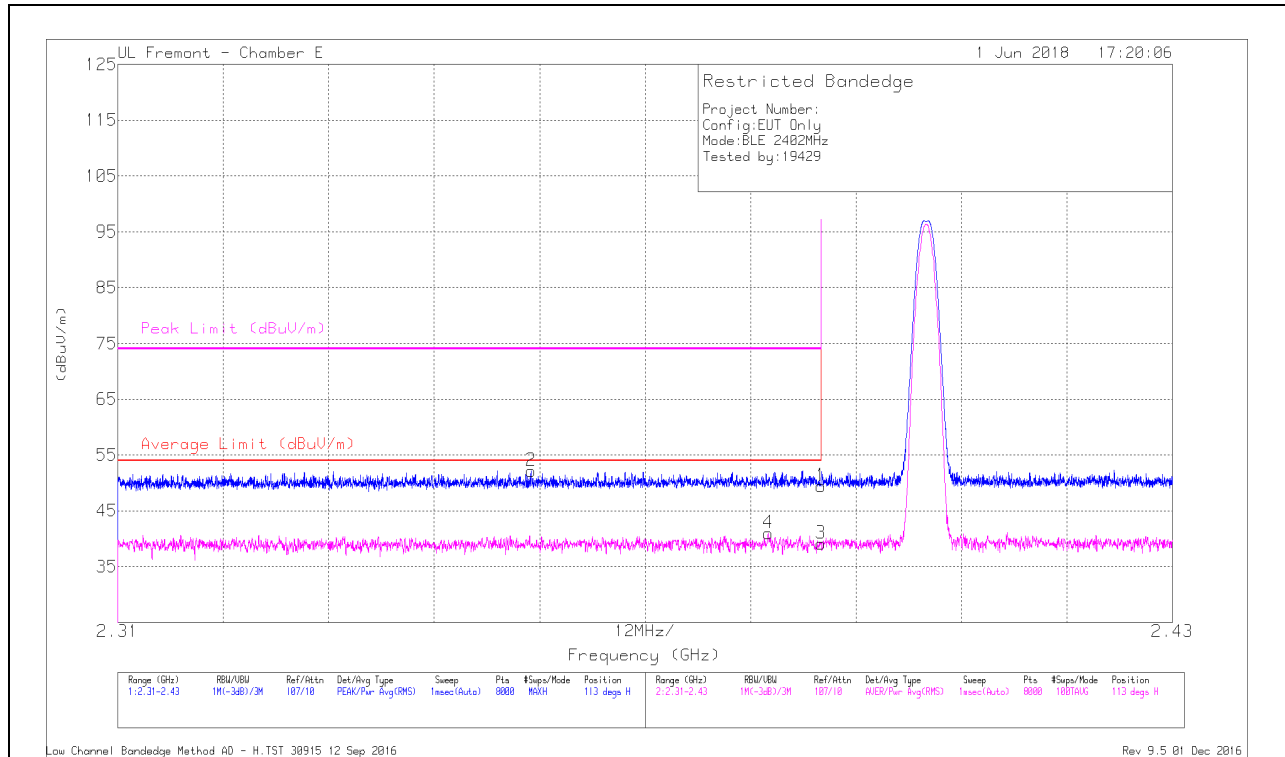
MAv1 - KDB558074 Option 1 Maximum RMS Average

9.2.3. LOW POWER BLE (1Mbps)

Antenna 2

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



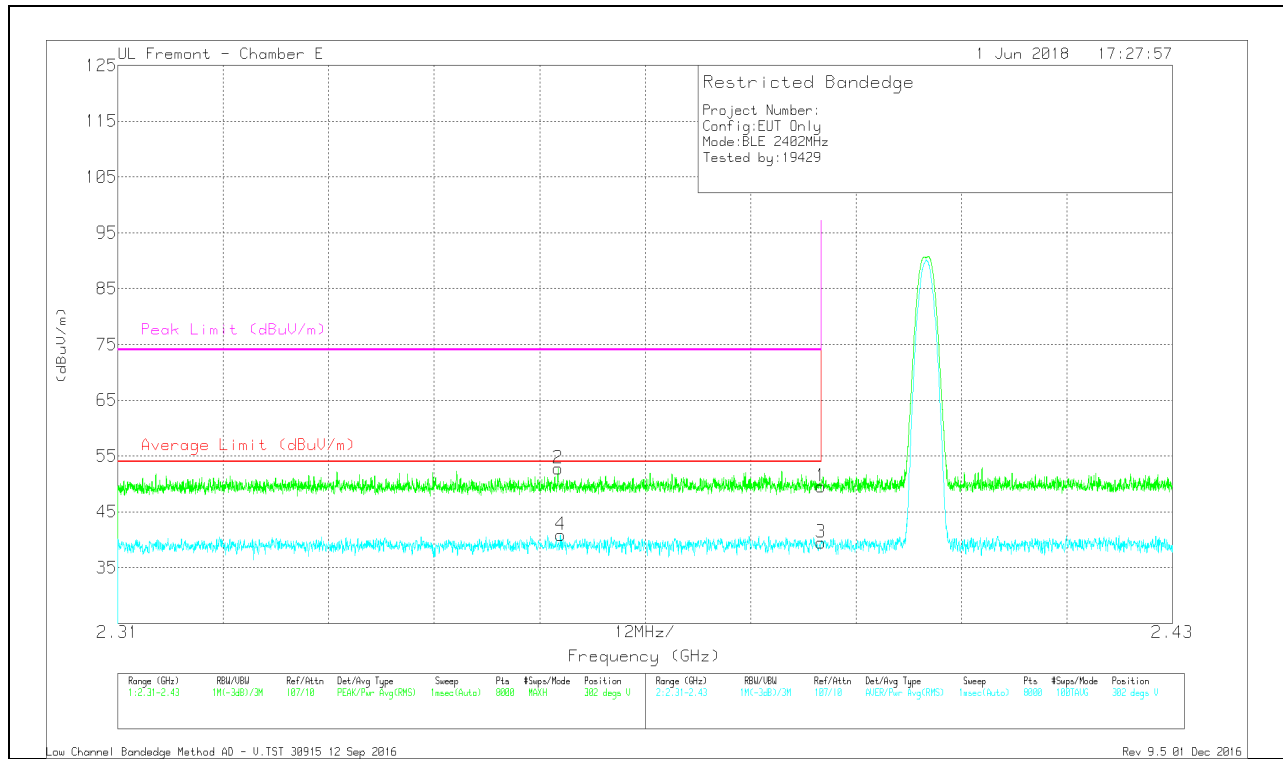
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dBm)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	40.05	Pk	32	-22.6	49.45	-	-	74	-24.55	113	123	H
2	* 2.357	42.91	Pk	31.9	-22.7	52.11	-	-	74	-21.89	113	123	H
3	* 2.39	29.73	RMS	32	-22.6	39.13	54	-14.87	-	-	113	123	H
4	* 2.384	31.64	RMS	31.9	-22.6	40.94	54	-13.06	-	-	113	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 T346 (dBm)	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	40.12	Pk	32	-22.6	49.52	-	-	74	-24.48	302	391	V
2	* 2.36	43.6	Pk	31.9	-22.7	52.8	-	-	74	-21.2	302	391	V
3	* 2.39	30.05	RMS	32	-22.6	39.45	54	-14.55	-	-	302	391	V
4	* 2.36	31.67	RMS	31.9	-22.7	40.87	54	-13.13	-	-	302	391	V

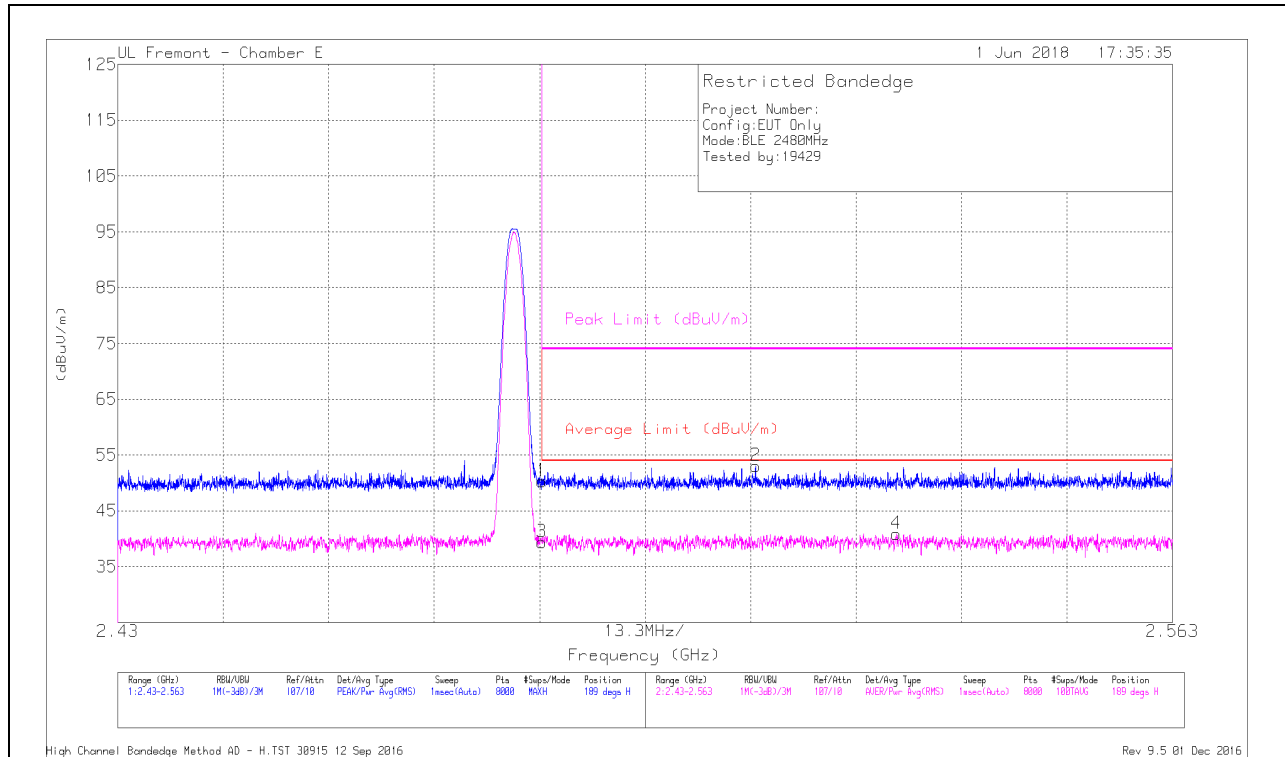
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



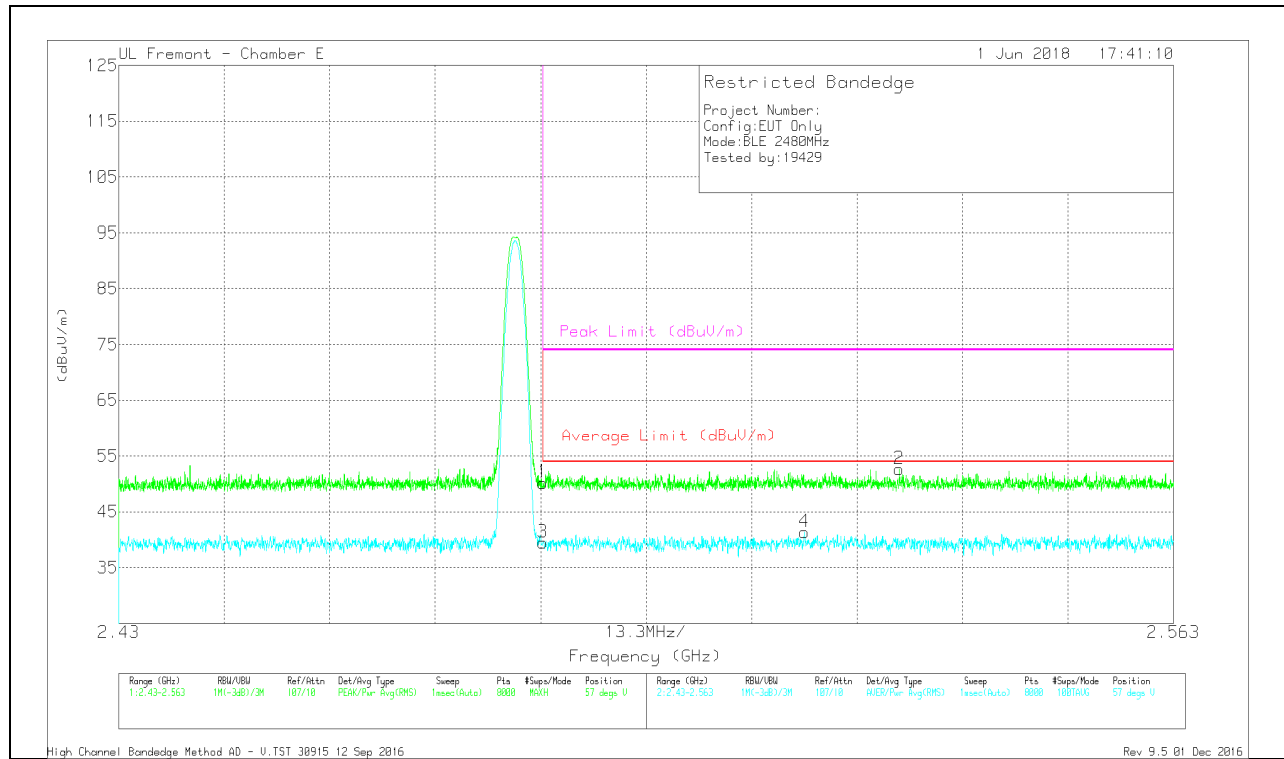
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/CbI/Filt/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.45	Pk	32.1	-22.3	50.25	-	-	74	-23.75	189	115	H
3	* 2.484	29.56	RMS	32.1	-22.3	39.36	54	-14.64	-	-	189	115	H
2	2.51	43.24	Pk	32.1	-22.3	53.04	-	-	74	-20.96	189	115	H
4	2.528	31.05	RMS	32.1	-22.3	40.85	54	-13.15	-	-	189	115	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 (dBm)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.43	Pk	32.1	-22.3	50.23	-	-	74	-23.77	57	353	V
3	* 2.484	29.71	RMS	32.1	-22.3	39.51	54	-14.49	-	-	57	353	V
4	2.516	31.49	RMS	32.1	-22.2	41.39	54	-12.61	-	-	57	353	V
2	2.528	42.83	Pk	32.1	-22.3	52.63	-	-	74	-21.37	57	353	V

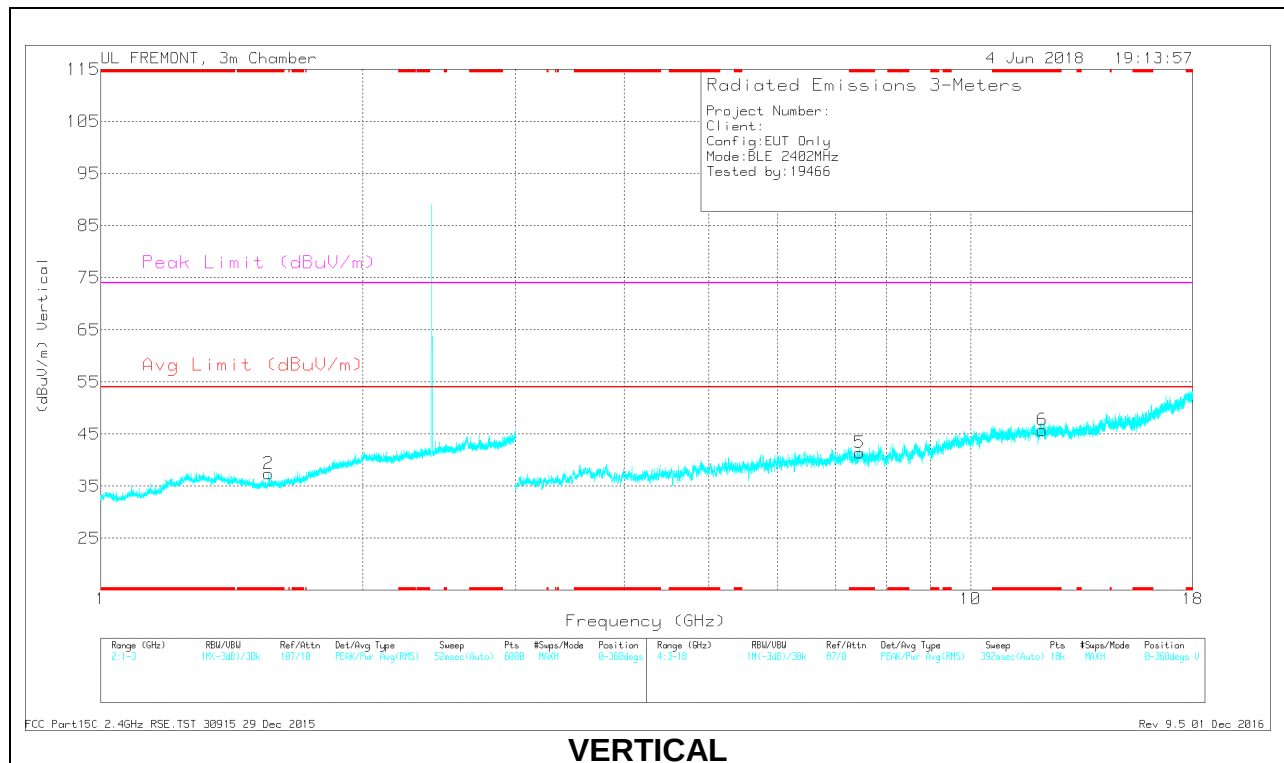
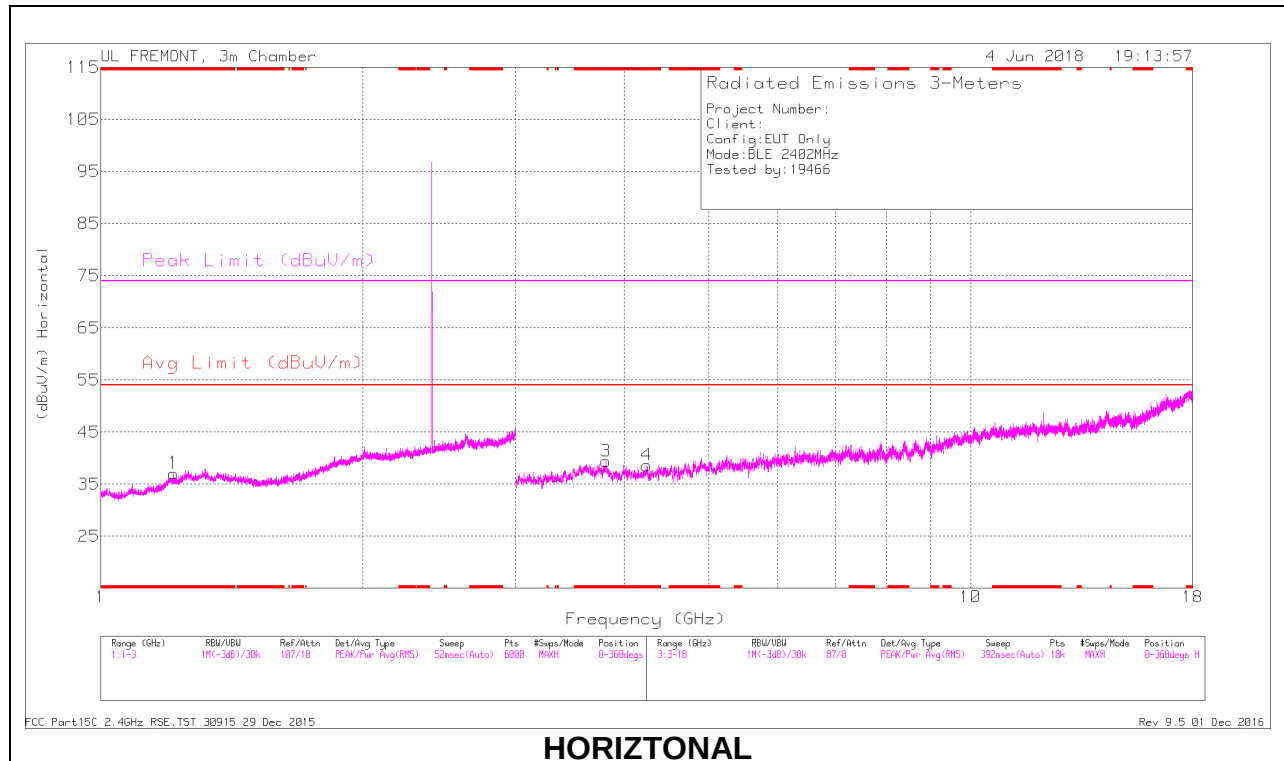
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

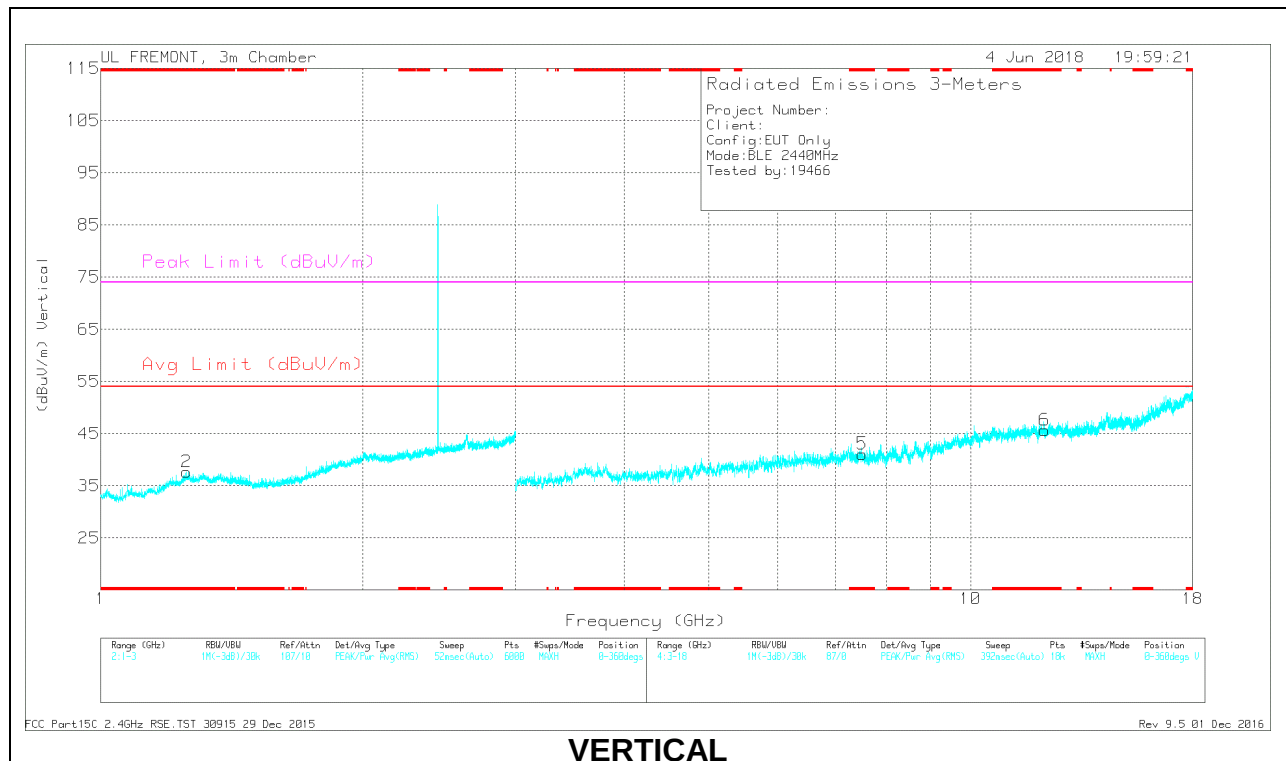
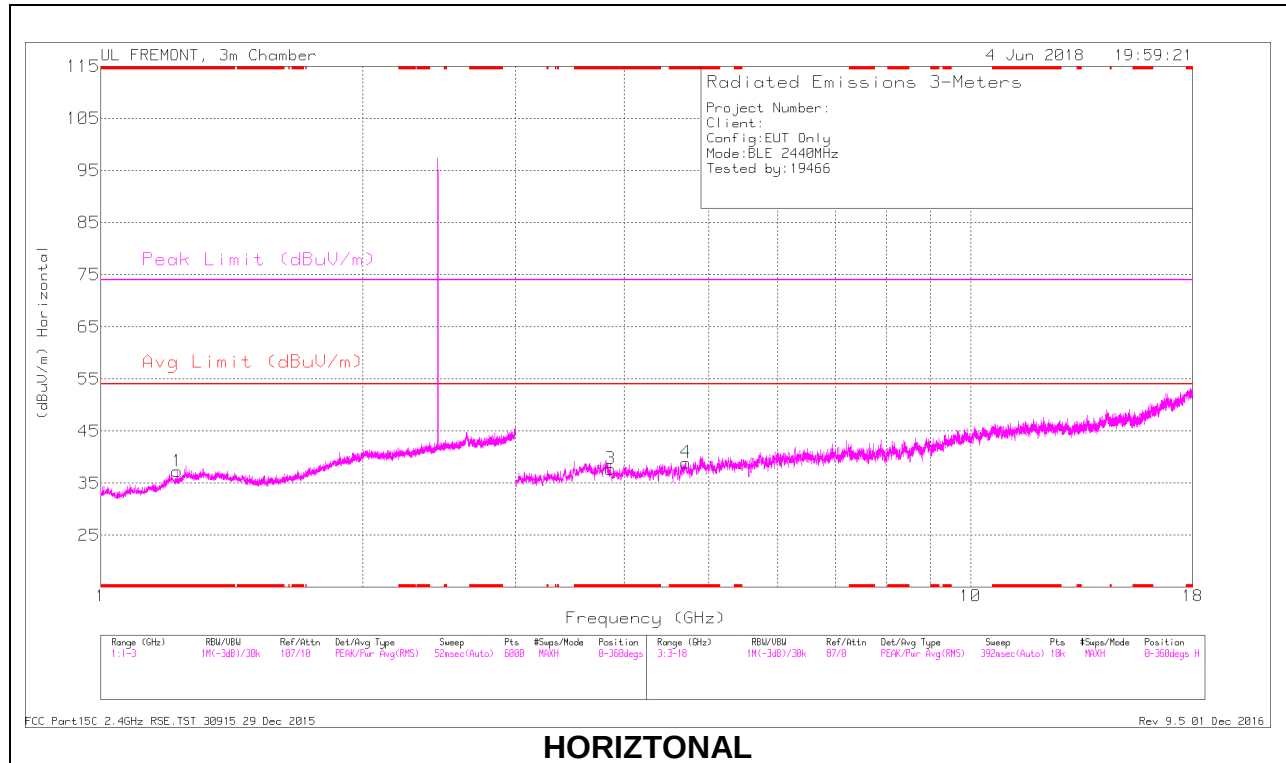
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.214	37.4	PK2	29.2	-22.8	43.8	-	-	74	-30.2	107	105	H
	* 1.211	24.99	MAv1	29.2	-22.7	31.49	54	-22.51	-	-	107	105	H
2	* 1.559	37.19	PK2	28	-21.9	43.29	-	-	74	-30.71	150	100	V
	* 1.56	25.13	MAv1	28	-21.9	31.23	54	-22.77	-	-	150	100	V
3	* 3.81	40.89	PK2	33.7	-26.7	47.89	-	-	74	-26.11	4	150	H
	* 3.811	28.86	MAv1	33.7	-26.8	35.76	54	-18.24	-	-	4	150	H
4	* 4.244	41.02	PK2	33.4	-28.2	46.22	-	-	74	-27.78	158	400	H
	* 4.244	28.92	MAv1	33.4	-28.2	34.12	54	-19.88	-	-	158	400	H
5	* 7.458	37.39	PK2	35.7	-24.4	48.69	-	-	74	-25.31	178	100	V
	* 7.456	25.94	MAv1	35.7	-24.3	37.34	54	-16.66	-	-	178	100	V
6	* 12.098	36.72	PK2	39.1	-22	53.82	-	-	74	-20.18	210	161	V
	* 12.097	24.34	MAv1	39.1	-22	41.44	54	-12.56	-	-	210	161	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

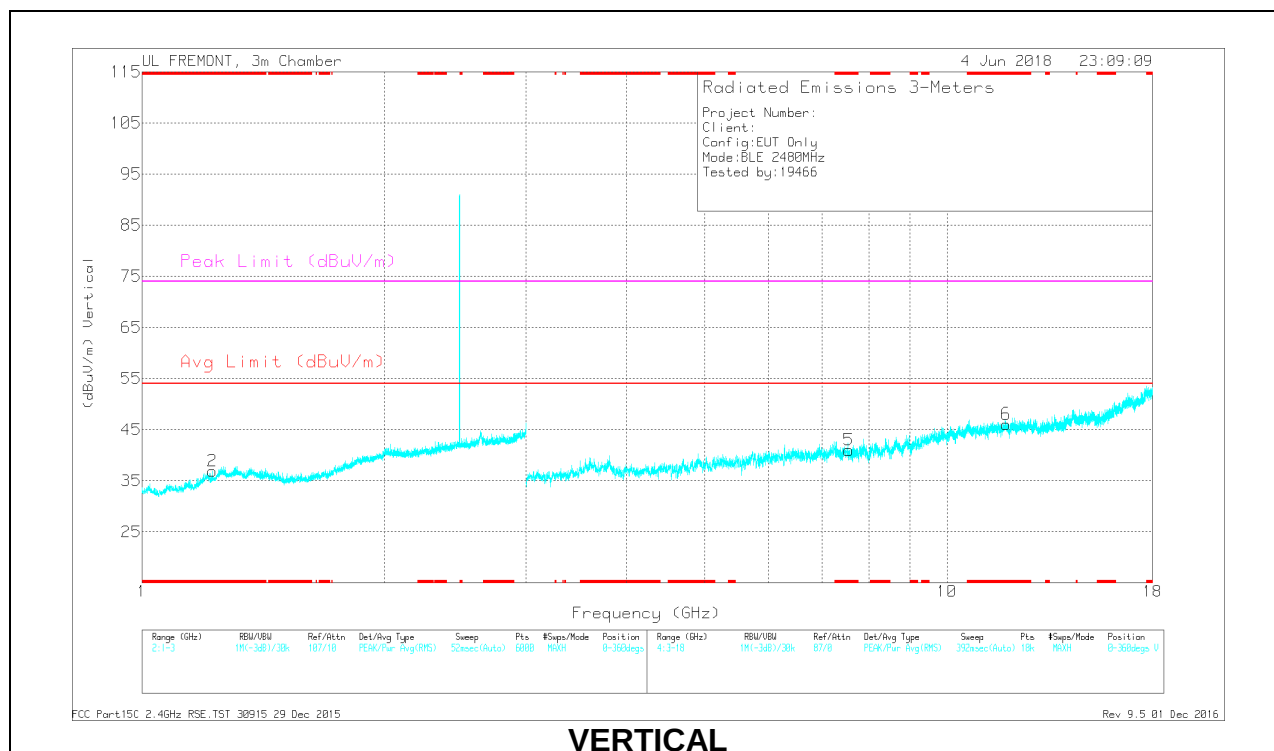
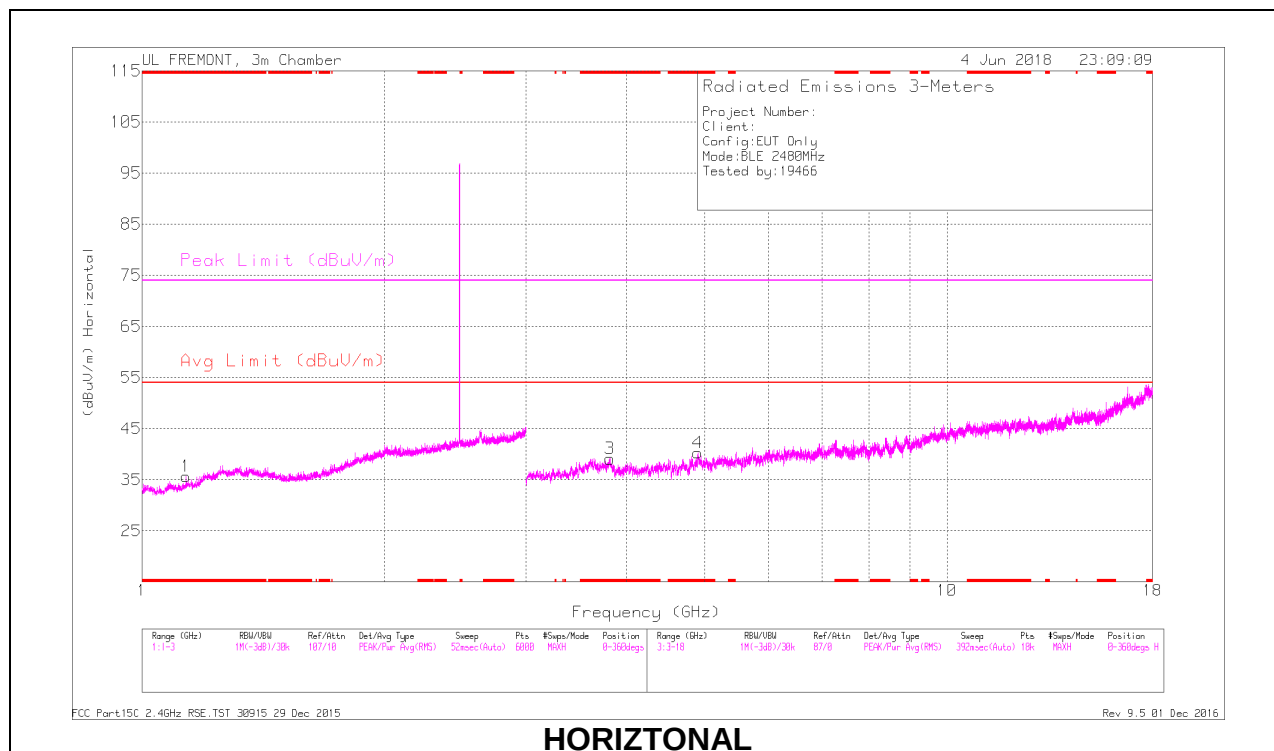
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.224	36.55	PK2	29.4	-22.8	43.15	-	-	74	-30.85	29	251	H
	* 1.223	24.63	MAv1	29.4	-22.7	31.33	54	-22.67	-	-	29	251	H
2	* 1.258	37.33	PK2	29.9	-22.9	44.33	-	-	74	-29.67	67	117	V
	* 1.256	25.52	MAv1	29.9	-22.8	32.62	54	-21.38	-	-	67	117	V
3	* 3.857	40.65	PK2	33.5	-28.7	45.45	-	-	74	-28.55	15	321	H
	* 3.858	28.97	MAv1	33.5	-28.7	33.77	54	-20.23	-	-	15	321	H
4	* 4.708	40.63	PK2	34	-28	46.63	-	-	74	-27.37	61	294	H
	* 4.71	28.45	MAv1	34	-28	34.45	54	-19.55	-	-	61	294	H
5	* 7.506	38.14	PK2	35.7	-25.2	48.64	-	-	74	-25.36	334	147	V
	* 7.502	26.39	MAv1	35.7	-25.1	36.99	54	-17.01	-	-	334	147	V
6	* 12.164	35.71	PK2	39.2	-22.2	52.71	-	-	74	-21.29	311	328	V
	* 12.163	24.17	MAv1	39.2	-22.2	41.17	54	-12.83	-	-	311	328	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 T120 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.135	36.99	PK2	27.8	-23	41.79	-	-	74	-32.21	193	295	H
	* 1.136	25.28	MAv1	27.8	-23	30.08	54	-23.92	-	-	193	295	H
2	* 1.224	36.73	PK2	29.4	-22.8	43.33	-	-	74	-30.67	254	151	V
	* 1.222	24.73	MAv1	29.4	-22.7	31.43	54	-22.57	-	-	254	151	V
3	* 3.815	41.17	PK2	33.7	-27.8	47.07	-	-	74	-26.93	108	333	H
	* 3.815	28.94	MAv1	33.7	-27.9	34.74	54	-19.26	-	-	108	333	H
4	* 4.902	39.73	PK2	34	-26.3	47.43	-	-	74	-26.57	356	111	H
	* 4.905	28.1	MAv1	34	-26.3	35.8	54	-18.2	-	-	356	111	H
5	* 7.55	38.28	PK2	35.7	-25.4	48.58	-	-	74	-25.42	272	301	V
	* 7.55	26.37	MAv1	35.7	-25.4	36.67	54	-17.33	-	-	272	301	V
6	* 11.85	36.48	PK2	38.9	-21.9	53.48	-	-	74	-20.52	160	237	V
	* 11.853	24.78	MAv1	38.9	-21.9	41.78	54	-12.22	-	-	160	237	V

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

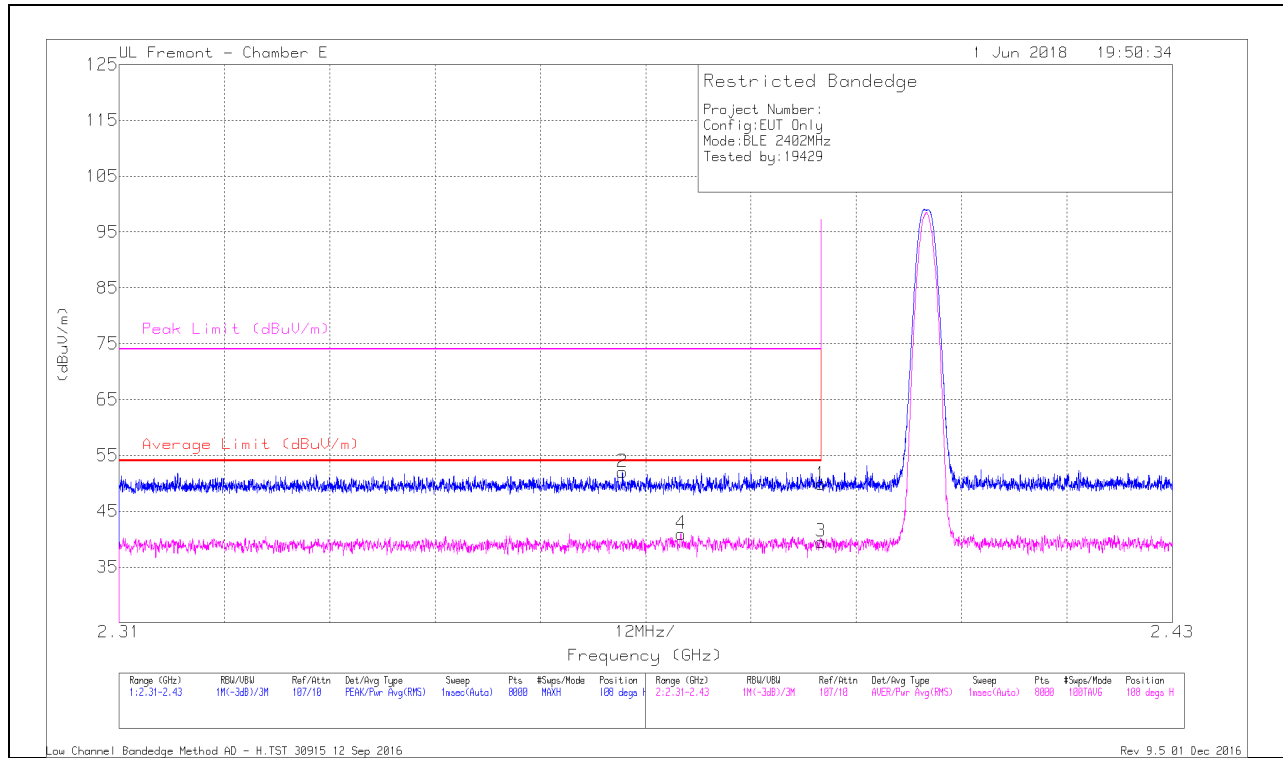
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

Antenna 5

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



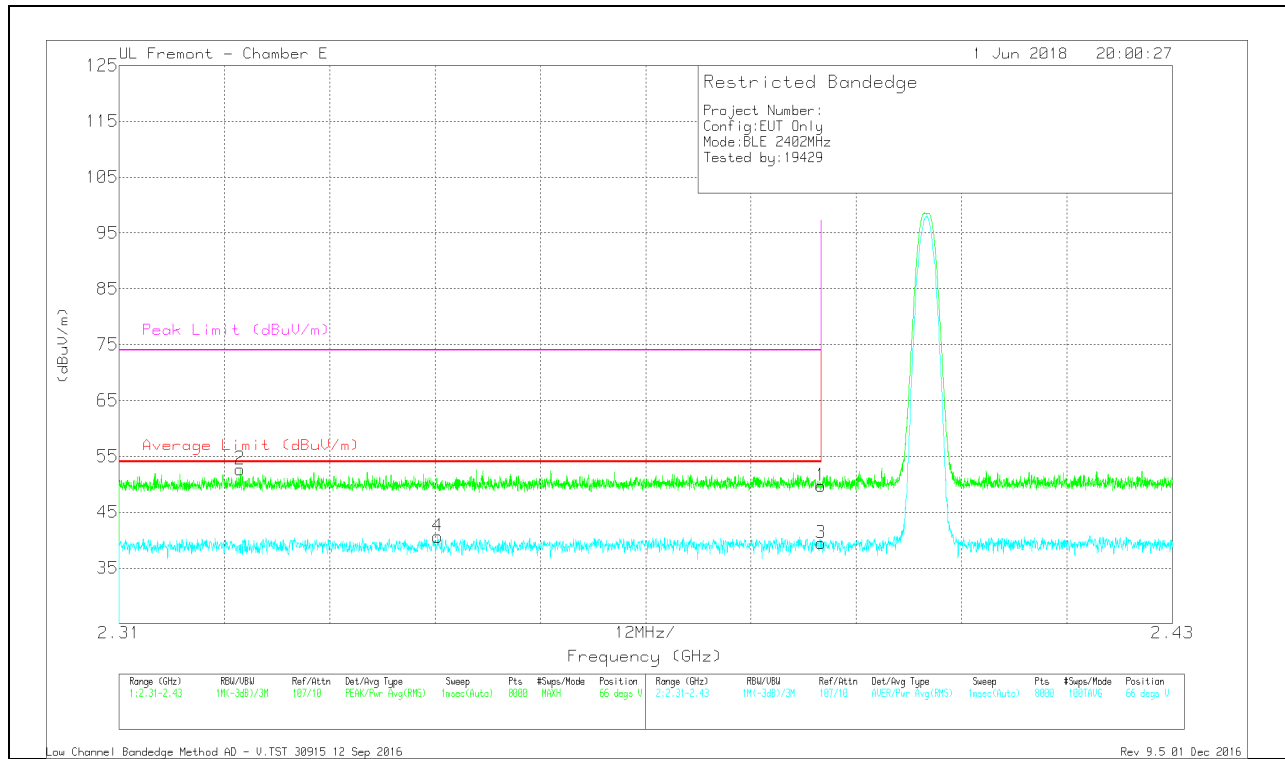
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	40.45	Pk	32	-22.6	49.85	-	-	74	-24.15	108	124	H
2	* 2.367	42.84	Pk	31.9	-22.7	52.04	-	-	74	-21.96	108	124	H
3	* 2.39	30.11	RMS	32	-22.6	39.51	54	-14.49	-	-	108	124	H
4	* 2.374	31.74	RMS	31.9	-22.7	40.94	54	-13.06	-	-	108	124	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dBm)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	40.32	Pk	32	-22.6	49.72	-	-	74	-24.28	66	392	V
2	* 2.324	43.6	Pk	31.8	-22.7	52.7	-	-	74	-21.3	66	392	V
3	* 2.39	30.05	RMS	32	-22.6	39.45	54	-14.55	-	-	66	392	V
4	* 2.346	31.53	RMS	31.8	-22.7	40.63	54	-13.37	-	-	66	392	V

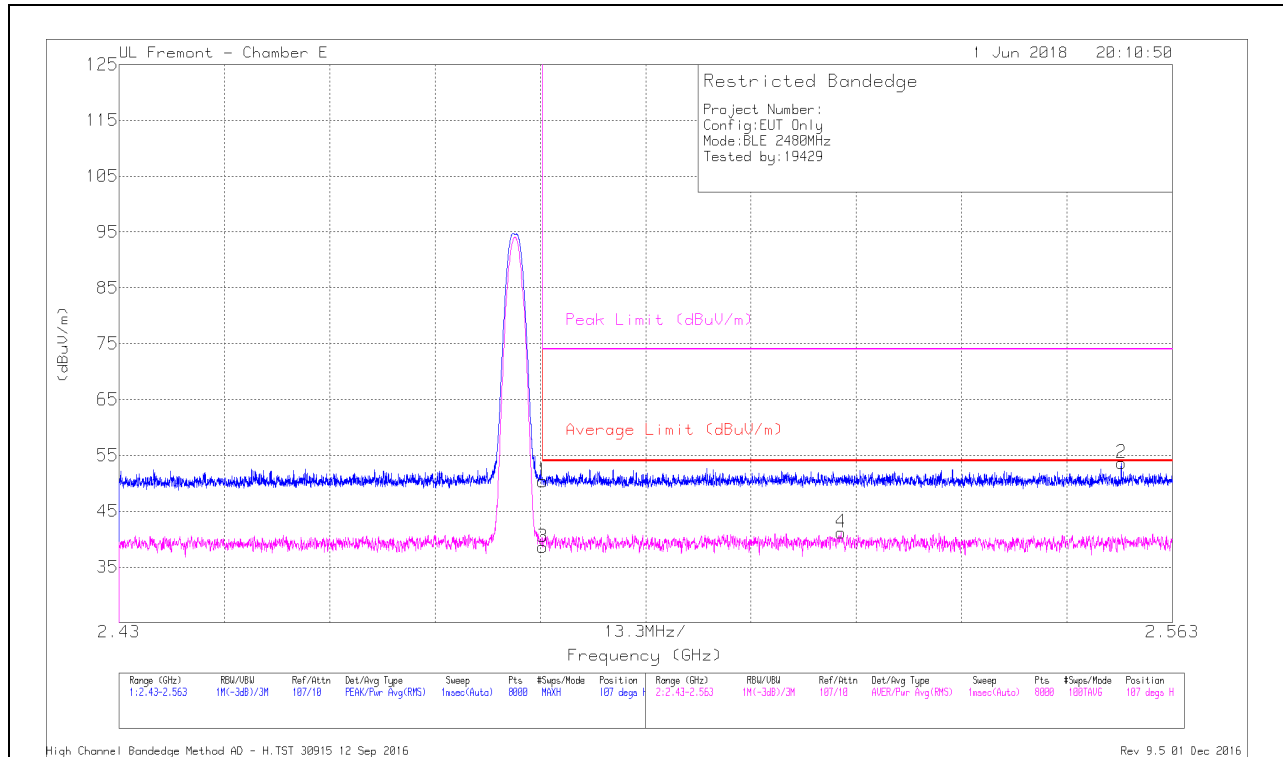
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



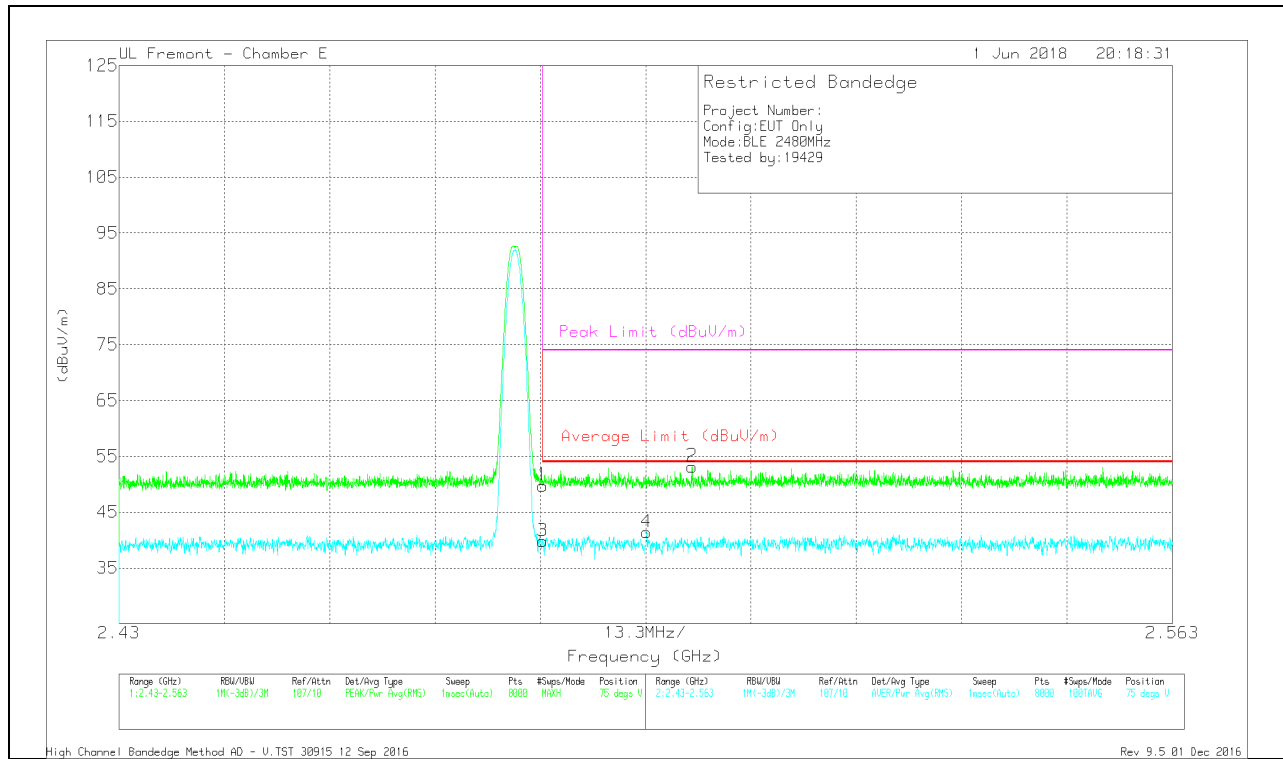
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.6	Pk	32.1	-22.3	50.4	-	-	74	-23.6	107	122	H
3	* 2.484	28.78	RMS	32.1	-22.3	38.58	54	-15.42	-	-	107	122	H
4	2.521	31.4	RMS	32.1	-22.3	41.2	54	-12.8	-	-	107	122	H
2	2.557	43.84	Pk	32.1	-22.3	53.64	-	-	74	-20.36	107	122	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBUV)	Det	AF T346 (dBm)	Amp/Cbl/Filtri/ad (dB)	Corrected Reading (dBUV/m)	Average Limit (dBUV/m)	Margin (dB)	Peak Limit (dBUV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	39.97	Pk	32.1	-22.3	49.77	-	-	74	-24.23	75	353	V
3	* 2.484	29.99	RMS	32.1	-22.3	39.79	54	-14.21	-	-	75	353	V
4	* 2.497	31.78	RMS	32.1	-22.5	41.38	54	-12.62	-	-	75	353	V
2	2.502	43.46	Pk	32.1	-22.4	53.16	-	-	74	-20.84	75	353	V

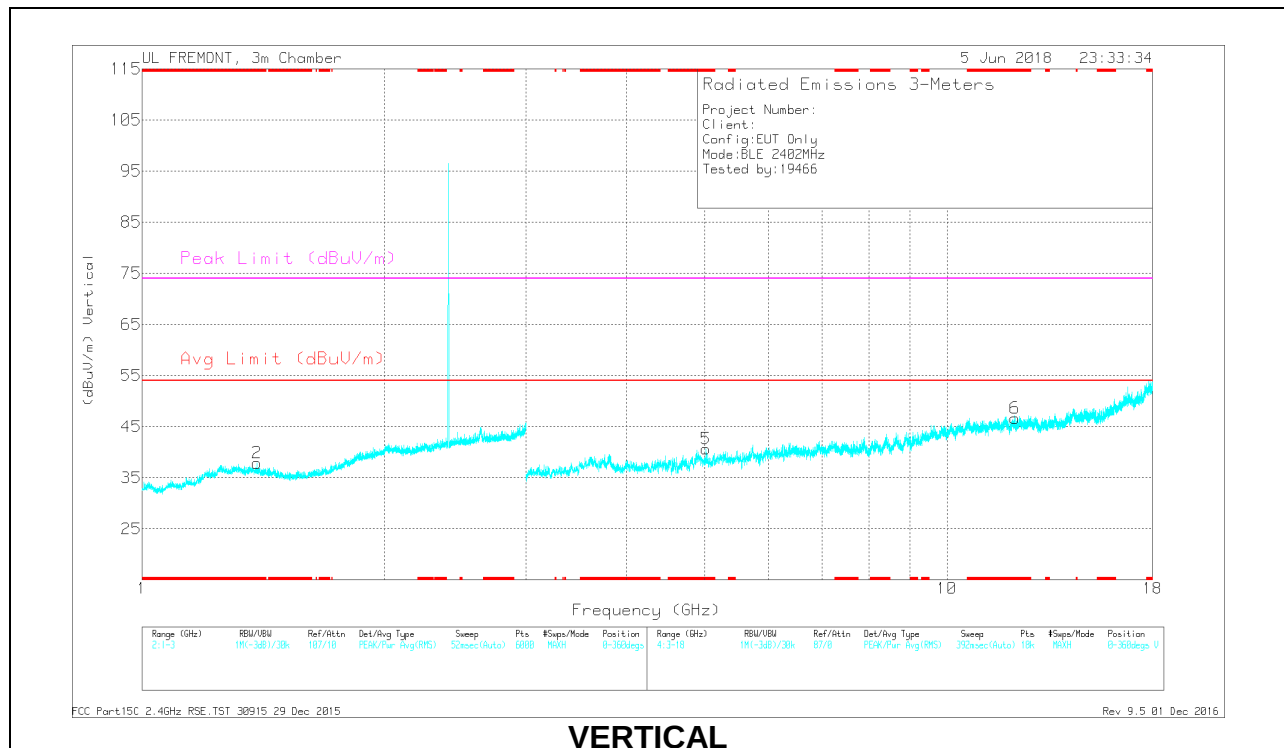
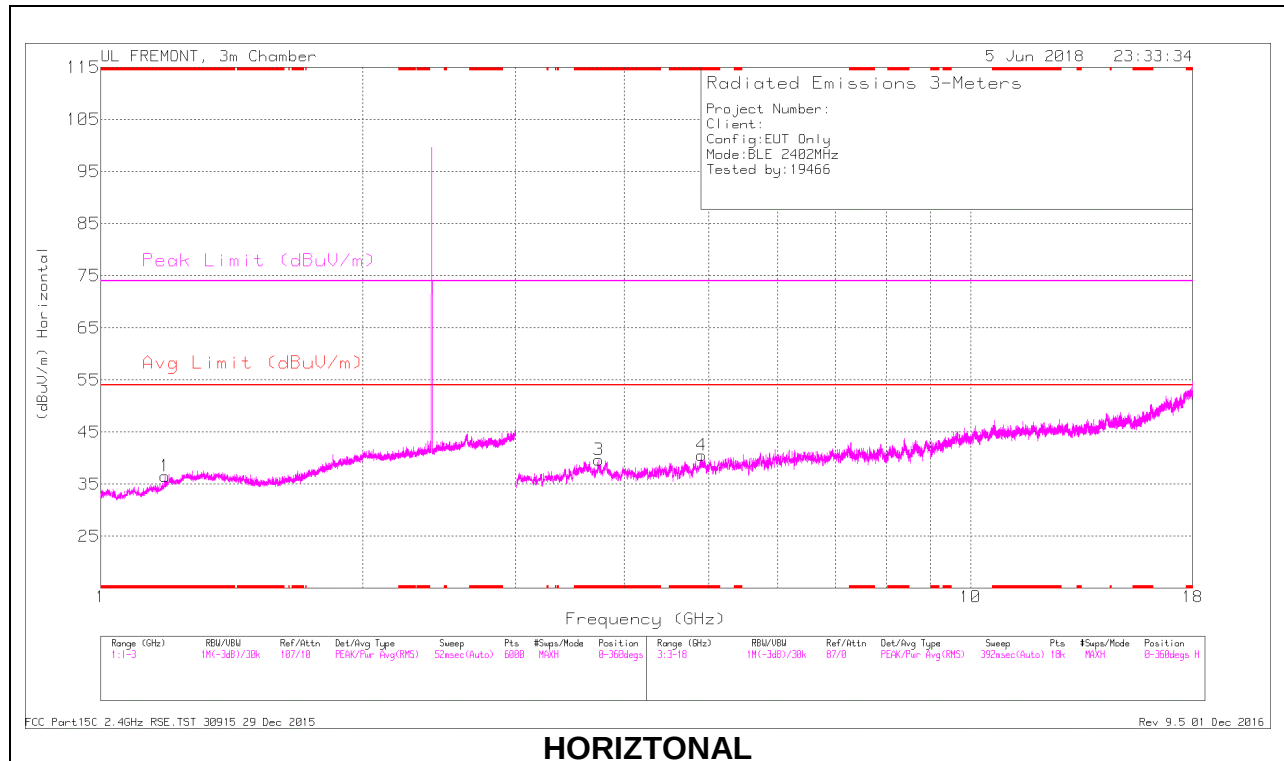
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

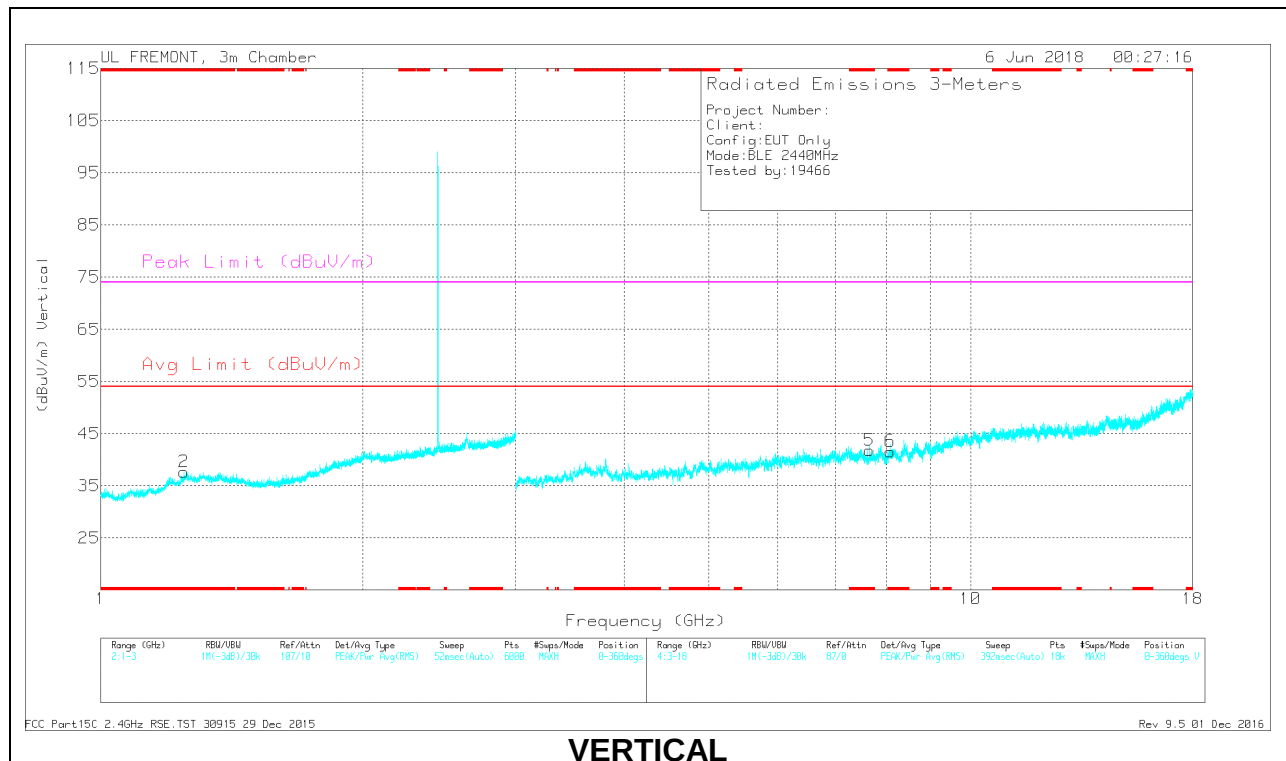
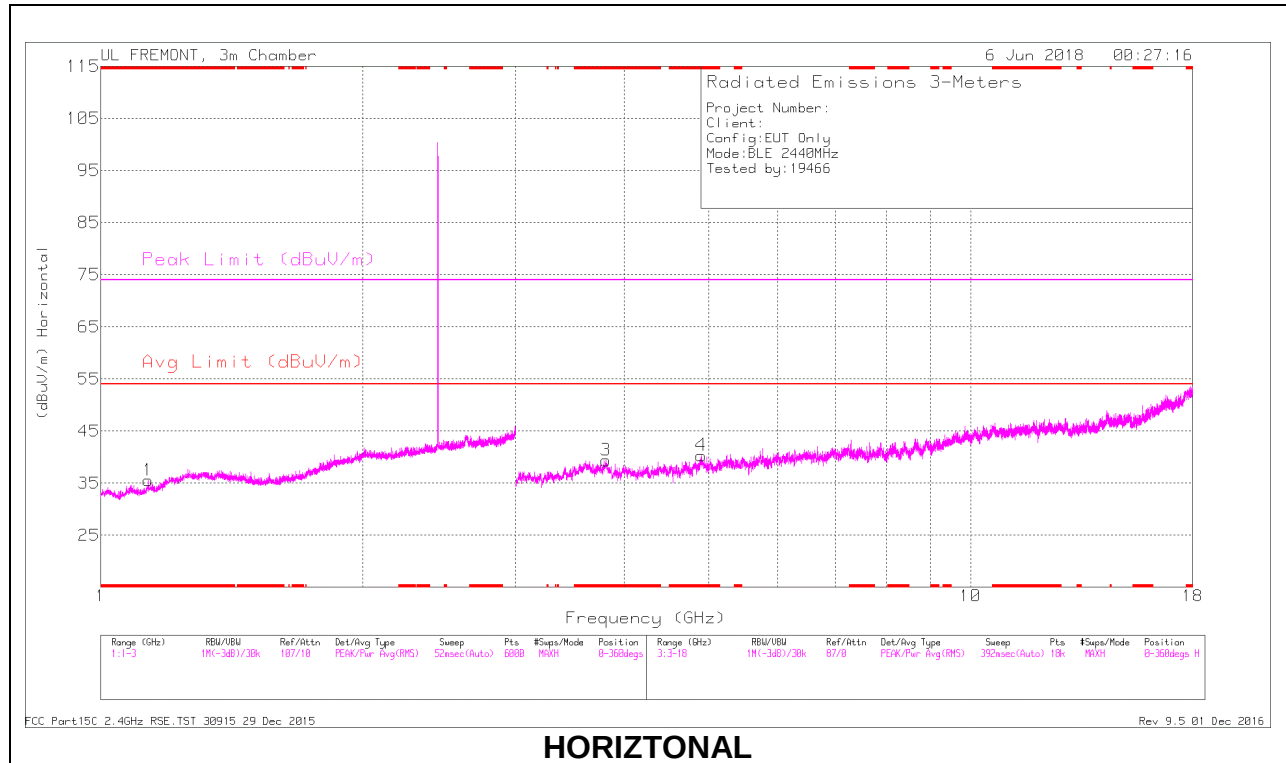
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.188	37.64	PK2	28.7	-22.9	43.44	-	-	74	-30.56	95	202	H
	* 1.188	25.02	MAv1	28.7	-22.9	30.82	54	-23.18	-	-	95	202	H
2	* 1.391	36.92	PK2	29.3	-22.2	44.02	-	-	74	-29.98	201	238	V
	* 1.388	25.01	MAv1	29.3	-22.3	32.01	54	-21.99	-	-	201	238	V
3	* 3.739	40.56	PK2	33.9	-28.1	46.36	-	-	74	-27.64	165	222	H
	* 3.739	28.65	MAv1	33.9	-28.1	34.45	54	-19.55	-	-	165	222	H
4	* 4.907	40.53	PK2	34	-26.7	47.83	-	-	74	-26.17	310	294	H
	* 4.907	28.2	MAv1	34	-26.7	35.5	54	-18.5	-	-	310	294	H
5	* 5.021	37.48	PK2	34.2	-24.2	47.48	-	-	74	-26.52	317	304	V
	* 5.019	25.34	MAv1	34.2	-24.3	35.24	54	-18.76	-	-	317	304	V
6	* 12.147	35.54	PK2	39.1	-21.1	53.54	-	-	74	-20.46	309	200	V
	* 12.145	24.4	MAv1	39.1	-20.9	42.6	54	-11.4	-	-	309	200	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

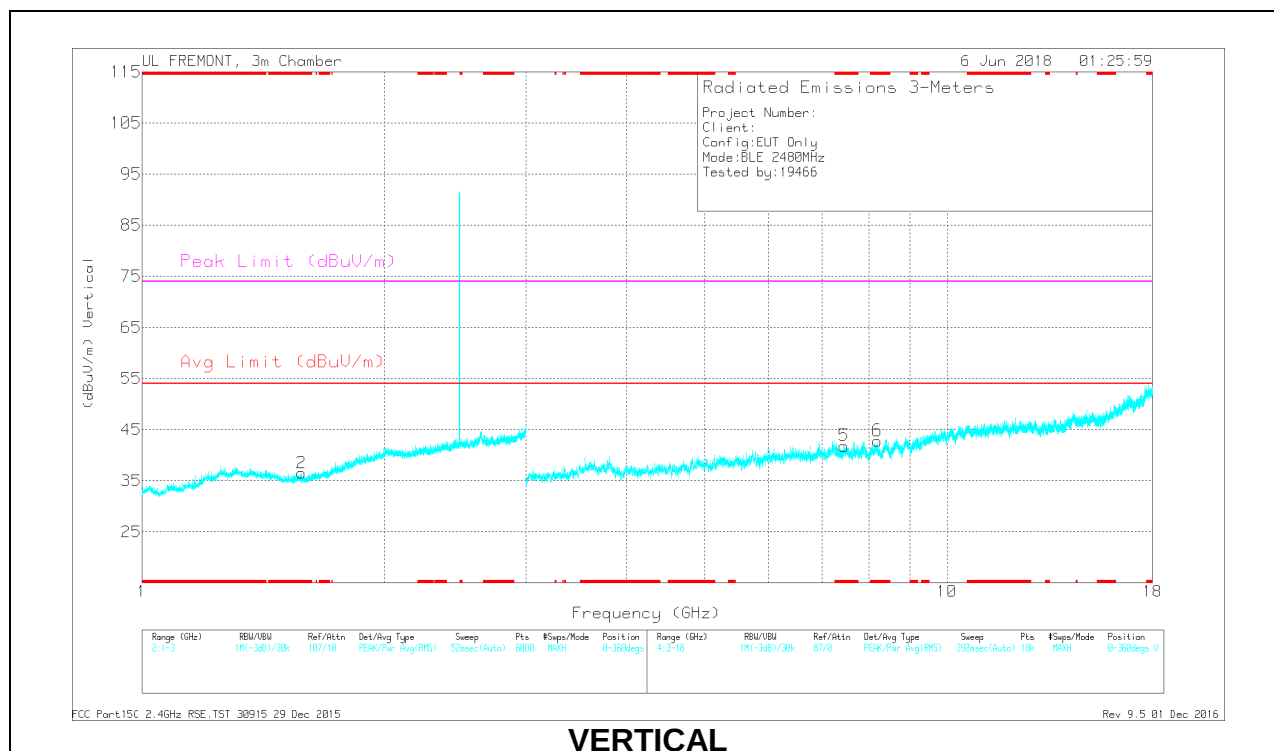
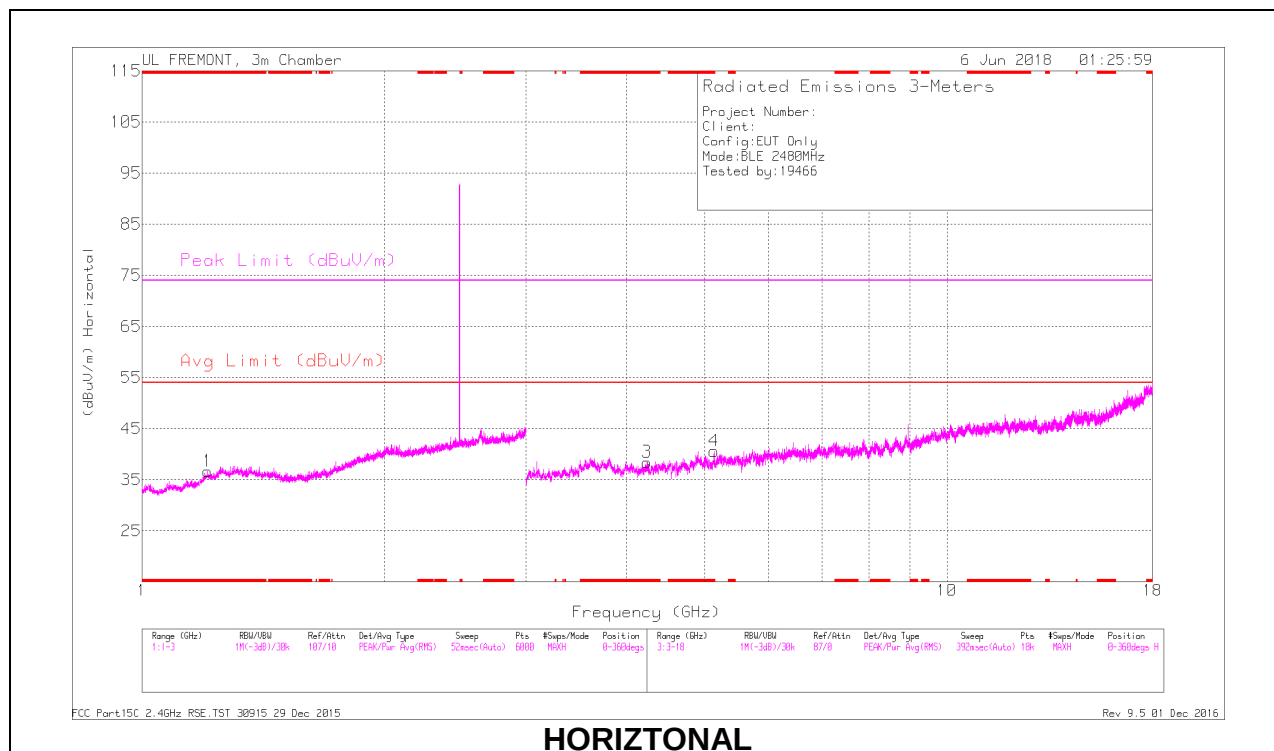
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.245	37.01	PK2	29.8	-22.7	44.11	-	-	74	-29.89	286	109	V
	* 1.248	25.11	MAv1	29.9	-22.7	32.31	54	-21.69	-	-	286	109	V
2	* 3.812	41.28	PK2	33.7	-27	47.98	-	-	74	-26.02	320	190	H
	* 3.814	28.83	MAv1	33.7	-27.5	35.03	54	-18.97	-	-	320	190	H
3	* 3.814	40.36	PK2	33.7	-27.5	46.56	-	-	74	-27.44	320	190	H
	* 3.814	28.84	MAv1	33.7	-27.6	34.94	54	-19.06	-	-	320	190	H
4	* 4.902	40.53	PK2	34	-26.3	48.23	-	-	74	-25.77	301	392	H
	* 4.904	28.16	MAv1	34	-26.3	35.86	54	-18.14	-	-	301	392	H
5	* 7.651	36.55	PK2	35.8	-22.4	49.95	-	-	74	-24.05	356	275	V
	* 7.65	24.23	MAv1	35.8	-22.4	37.63	54	-16.37	-	-	356	275	V
6	* 8.09	37.9	PK2	35.8	-24.7	49	-	-	74	-25	352	268	V
	* 8.087	26.08	MAv1	35.8	-24.6	37.28	54	-16.72	-	-	352	268	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 T120 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.208	37.02	PK2	29.1	-22.7	43.42	-	-	74	-30.58	223	164	H
	* 1.206	25.21	MAv1	29.1	-22.7	31.61	54	-22.39	-	-	223	164	H
2	* 1.578	36.95	PK2	28	-22.1	42.85	-	-	74	-31.15	181	275	V
	* 1.577	25.22	MAv1	28	-22.1	31.12	54	-22.88	-	-	181	275	V
3	* 4.243	40.64	PK2	33.4	-28.3	45.74	-	-	74	-28.26	131	247	H
	* 4.243	28.82	MAv1	33.4	-28.3	33.92	54	-20.08	-	-	131	247	H
4	* 5.137	40.22	PK2	34.3	-27.1	47.42	-	-	74	-26.58	240	384	H
	* 5.137	28.02	MAv1	34.3	-27.1	35.22	54	-18.78	-	-	240	384	H
5	* 7.448	37.53	PK2	35.7	-23.7	49.53	-	-	74	-24.47	19	377	V
	* 7.451	25.75	MAv1	35.7	-23.9	37.55	54	-16.45	-	-	19	377	V
6	* 8.198	36.26	PK2	35.8	-22.8	49.26	-	-	74	-24.74	140	212	V
	* 8.195	24.34	MAv1	35.8	-22.9	37.24	54	-16.76	-	-	140	212	V

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

PK2 - KDB558074 Method: Maximum Peak

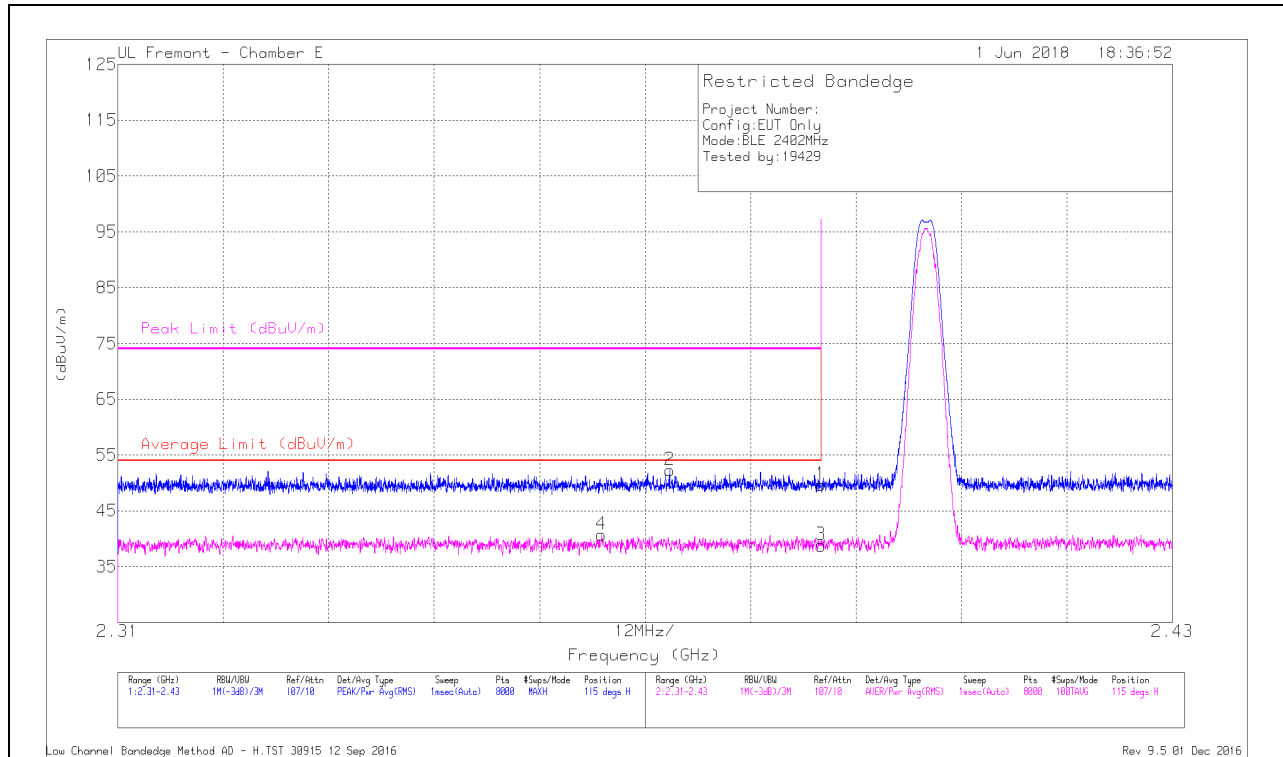
MAv1 - KDB558074 Option 1 Maximum RMS Average

9.2.4. LOW POWER BLE (2Mbps)

Antenna 2

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



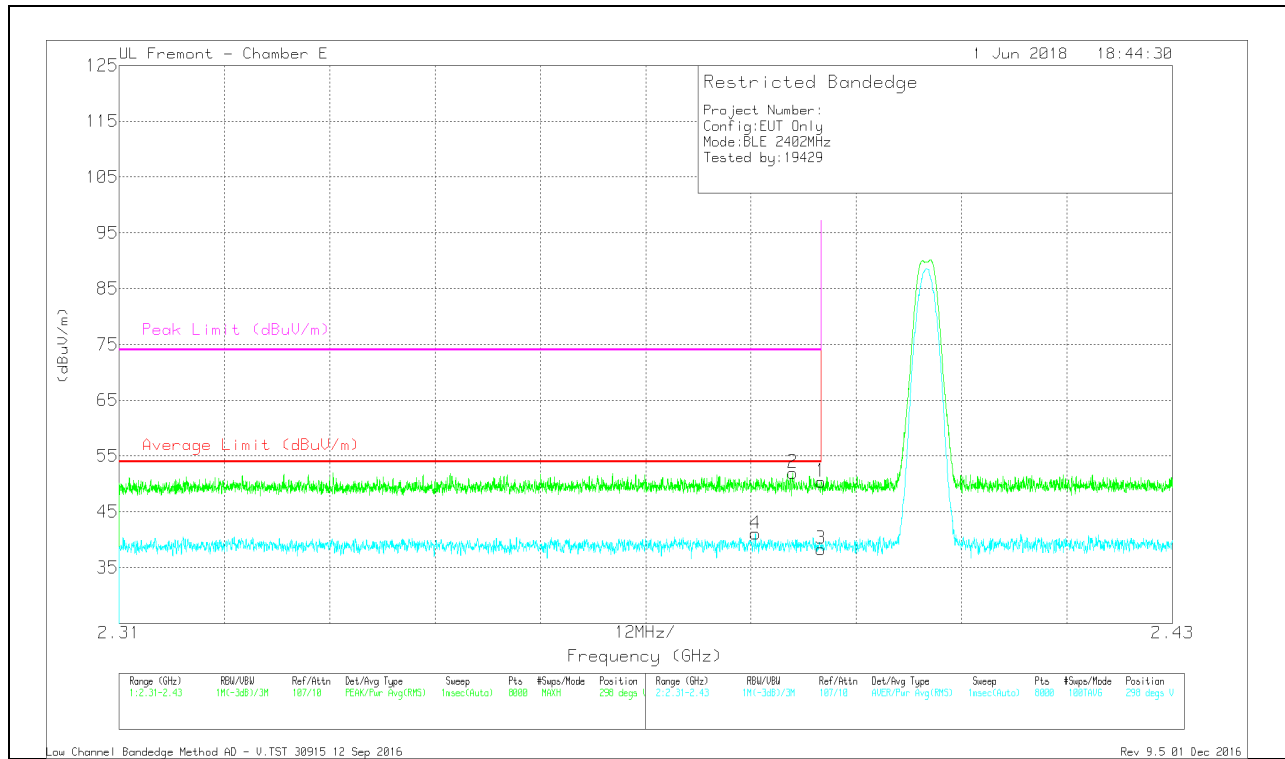
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dBm)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	40.25	Pk	32	-22.6	49.65	-	-	74	-24.35	115	123	H
2	* 2.373	43.13	Pk	31.9	-22.7	52.33	-	-	74	-21.67	115	123	H
3	* 2.39	29.41	RMS	32	-22.6	38.81	54	-15.19	-	-	115	123	H
4	* 2.365	31.56	RMS	31.9	-22.7	40.76	54	-13.24	-	-	115	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 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
4	* 2.383	31.77	RMS	31.9	-22.6	41.07	54	-12.93	-	-	298	391	V
2	* 2.387	42.72	Pk	31.9	-22.6	52.02	-	-	74	-21.98	298	391	V
1	* 2.39	41.03	Pk	32	-22.6	50.43	-	-	74	-23.57	298	391	V
3	* 2.39	28.94	RMS	32	-22.6	38.34	54	-15.66	-	-	298	391	V

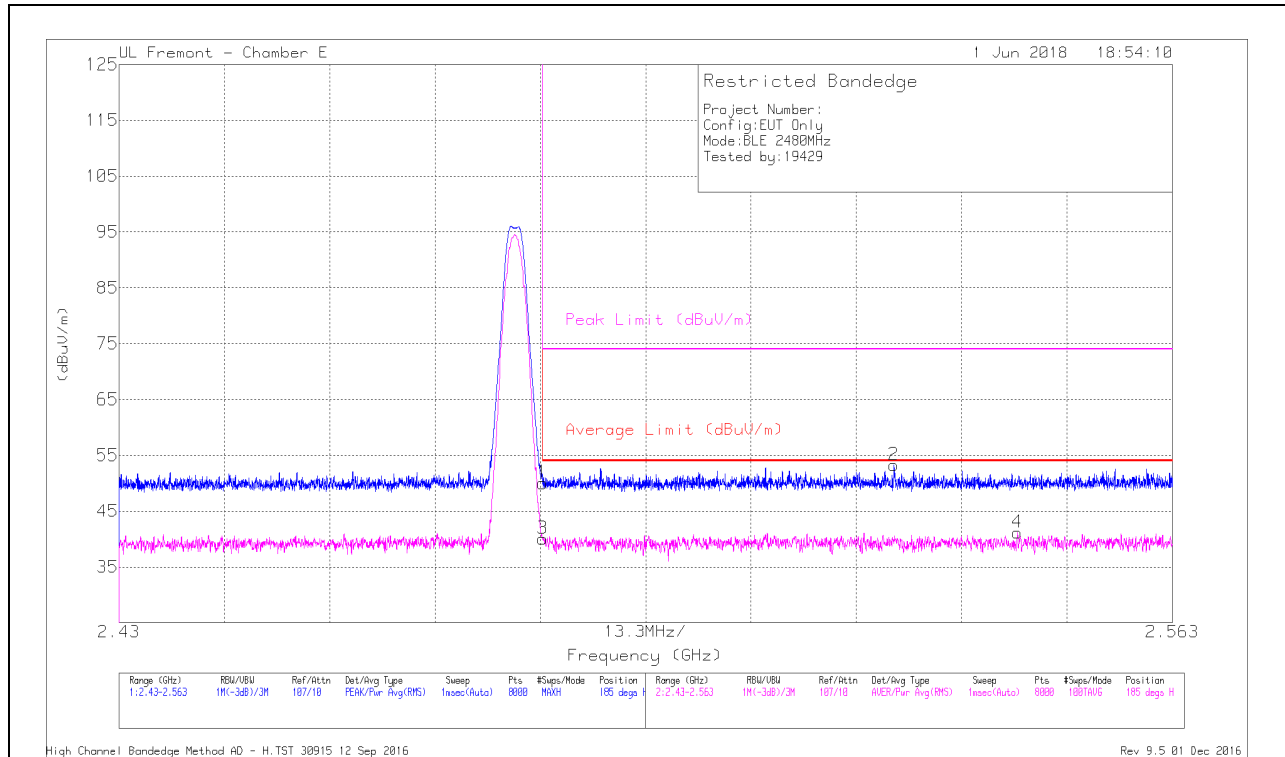
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



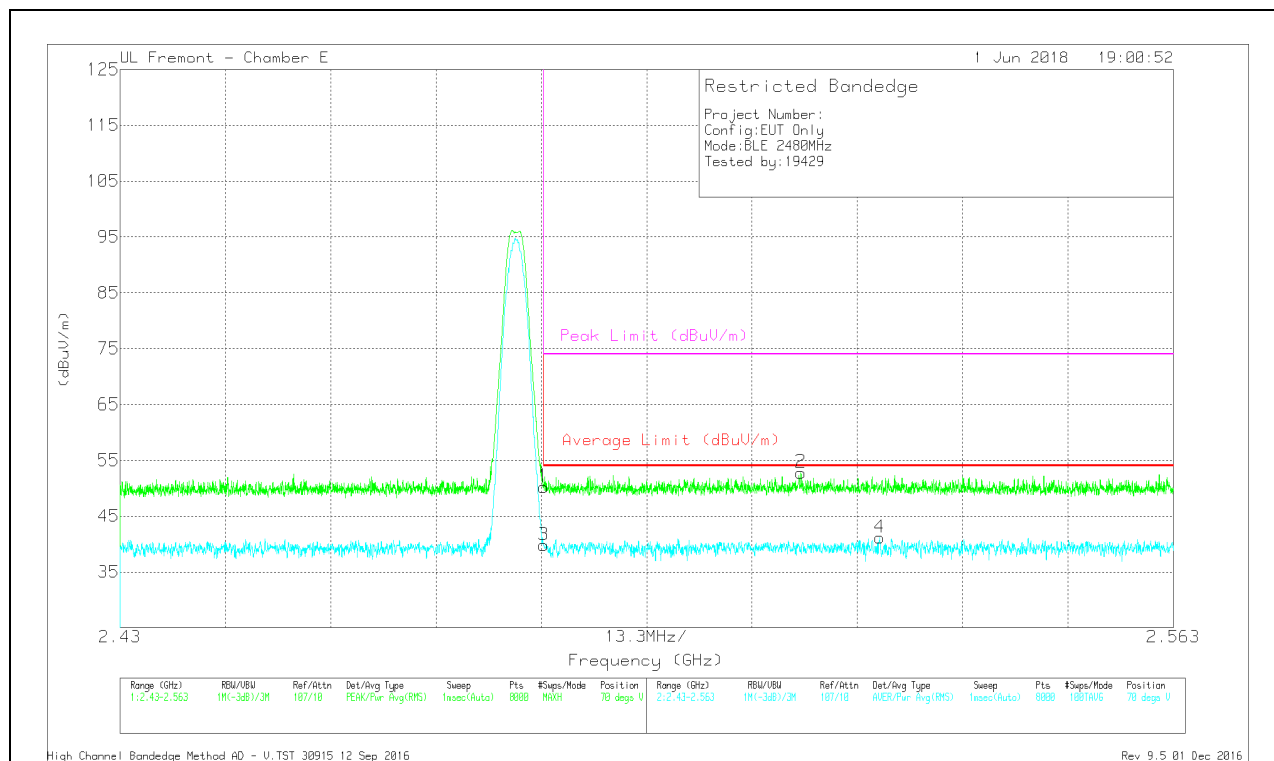
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.24	Pk	32.1	-22.3	50.04	-	-	74	-23.96	185	114	H
3	* 2.484	30.27	RMS	32.1	-22.3	40.07	54	-13.93	-	-	185	114	H
2	2.528	43.45	Pk	32.1	-22.3	53.25	-	-	74	-20.75	185	114	H
4	2.543	31.46	RMS	32.1	-22.4	41.16	54	-12.84	-	-	185	114	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 (dBm)	Amp/Cbl/Filtri/ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.45	Pk	32.1	-22.3	50.25	-	-	74	-23.75	70	354	V
3	* 2.484	29.99	RMS	32.1	-22.3	39.79	54	-14.21	-	-	70	354	V
2	2.516	42.92	Pk	32.1	-22.2	52.82	-	-	74	-21.18	70	354	V
4	2.526	31.37	RMS	32.1	-22.3	41.17	54	-12.83	-	-	70	354	V

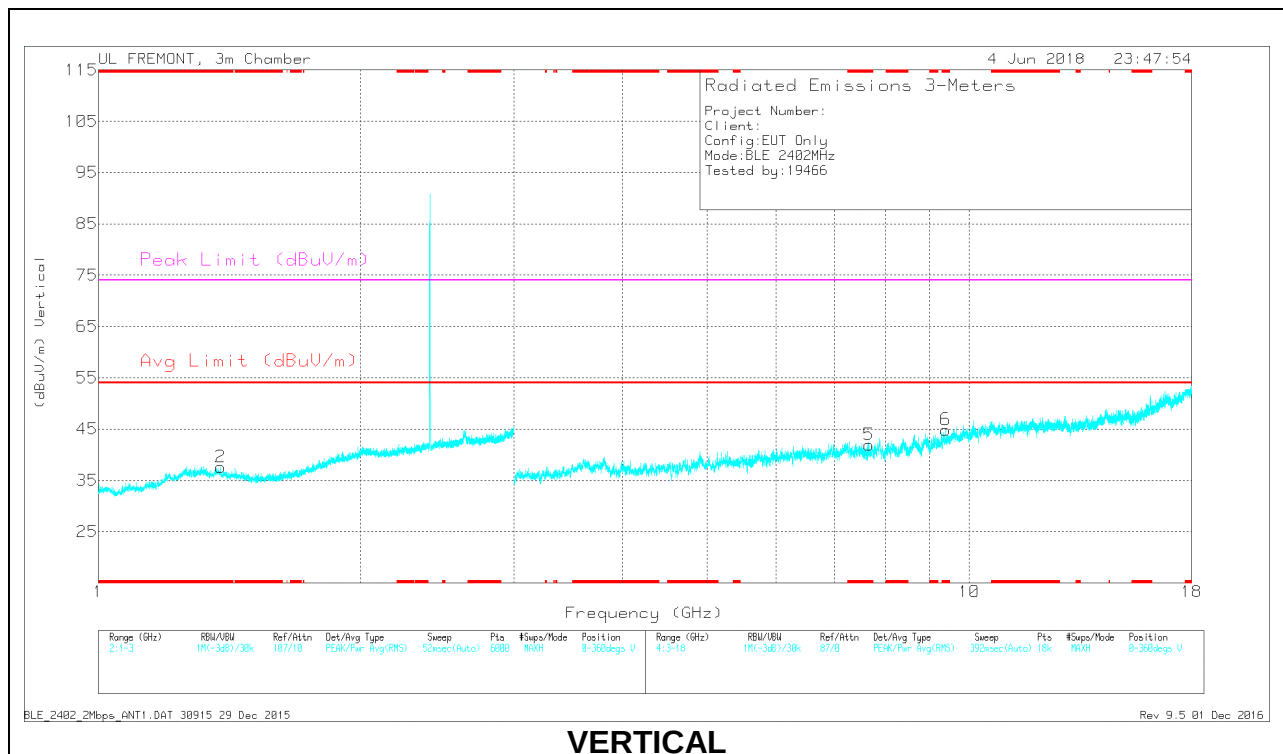
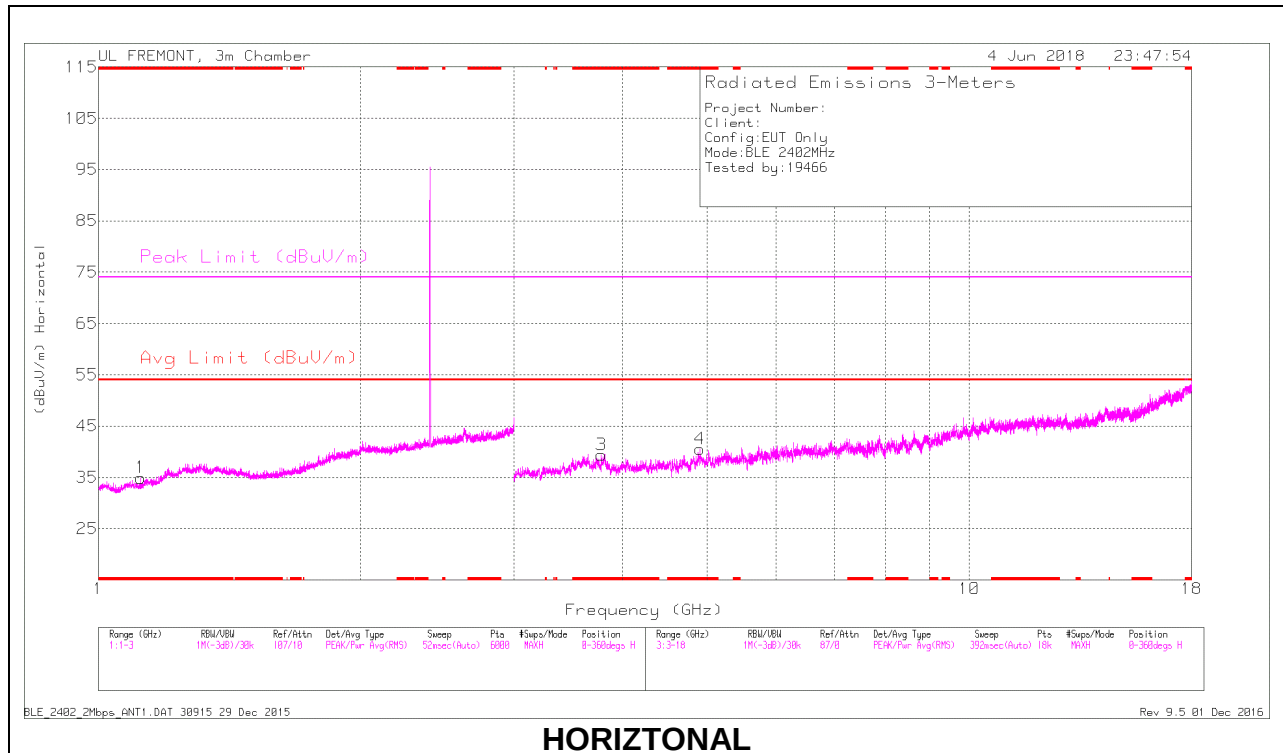
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

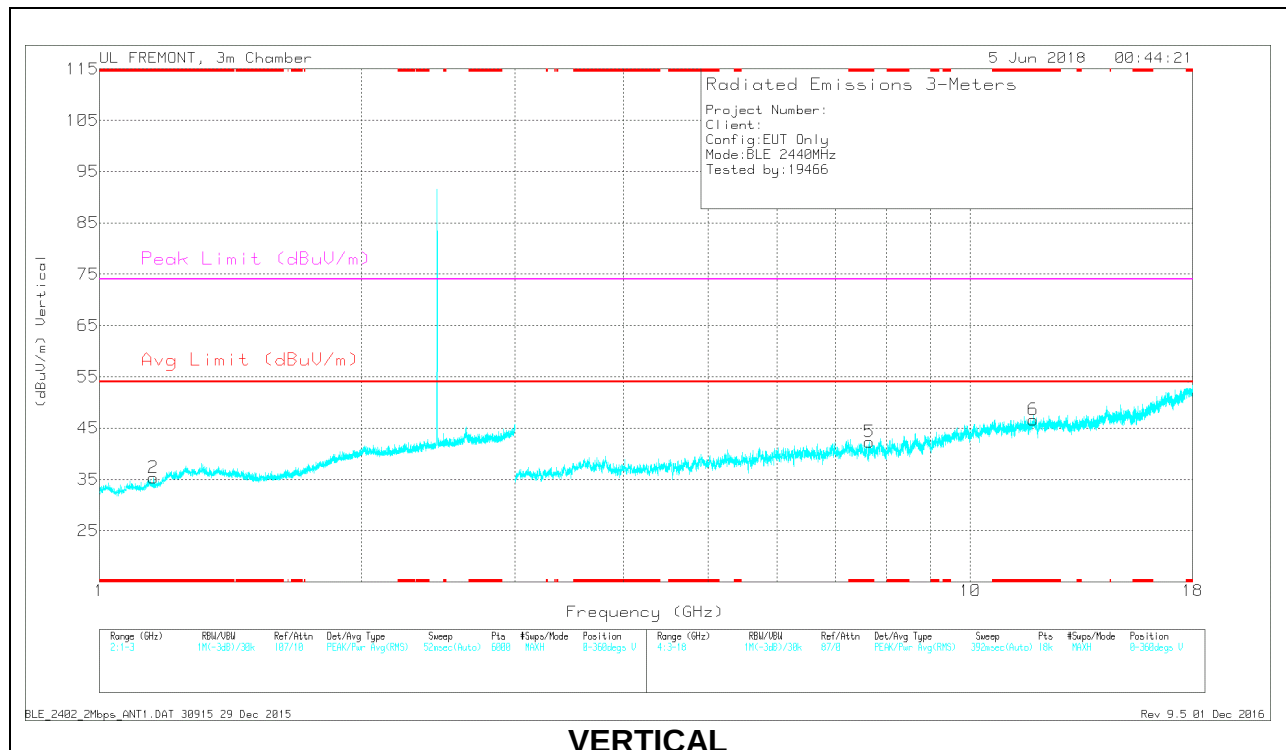
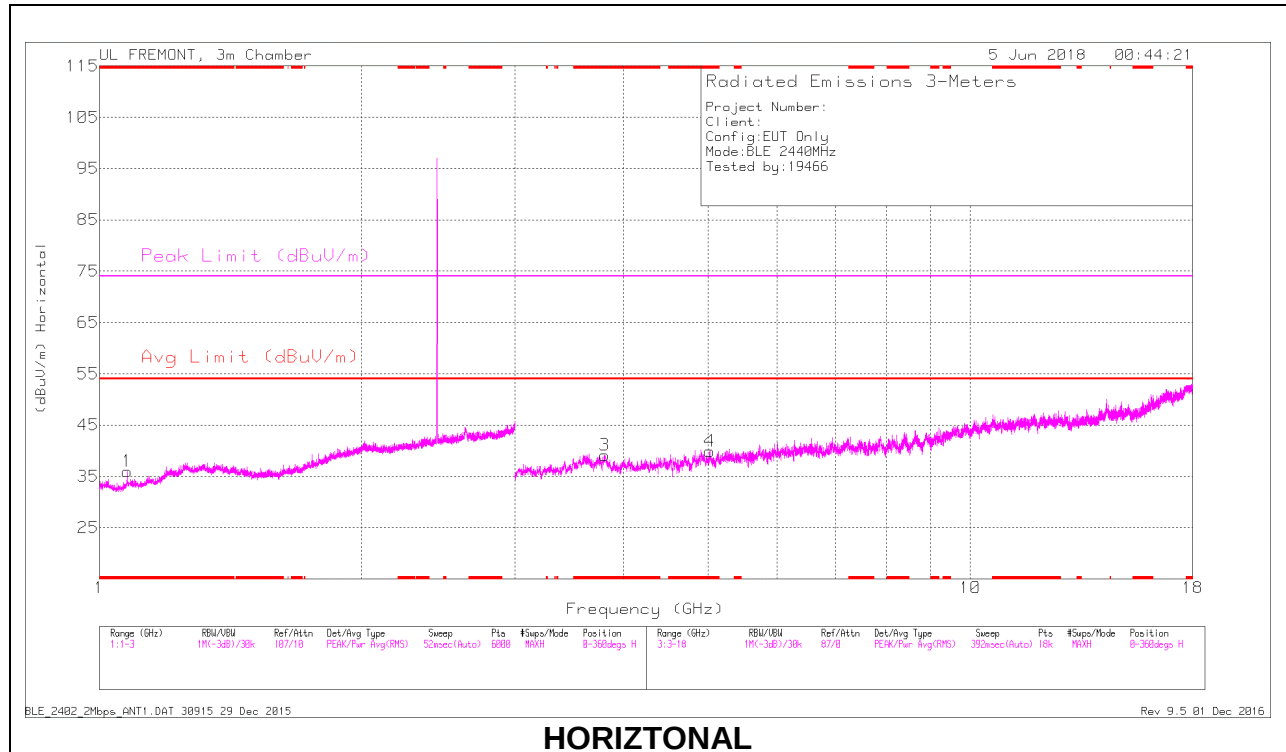
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.116	37.09	PK2	27.9	-23.2	41.79	-	-	74	-32.21	124	176	H
	* 1.117	24.78	MAv1	27.9	-23.2	29.48	54	-24.52	-	-	124	176	H
2	* 1.379	37.62	PK2	29.3	-22.4	44.52	-	-	74	-29.48	285	375	V
	* 1.379	25.32	MAv1	29.3	-22.4	32.22	54	-21.78	-	-	285	375	V
3	* 3.781	39.36	PK2	33.8	-27.3	45.86	-	-	74	-28.14	218	206	H
	* 3.782	28.17	MAv1	33.8	-27.3	34.67	54	-19.33	-	-	218	206	H
4	* 4.902	39.99	PK2	34	-26.3	47.69	-	-	74	-26.31	273	296	H
	* 4.905	28.19	MAv1	34	-26.4	35.79	54	-18.21	-	-	273	296	H
5	* 7.673	36.66	PK2	35.8	-23.6	48.86	-	-	74	-25.14	0	247	V
	* 7.673	25.09	MAv1	35.8	-23.7	37.19	54	-16.81	-	-	0	247	V
6	* 9.398	35.4	PK2	36.6	-21.5	50.5	-	-	74	-23.5	13	100	V
	* 9.398	23.96	MAv1	36.6	-21.5	39.06	54	-14.94	-	-	13	100	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS



RADIATED EMISSIONS

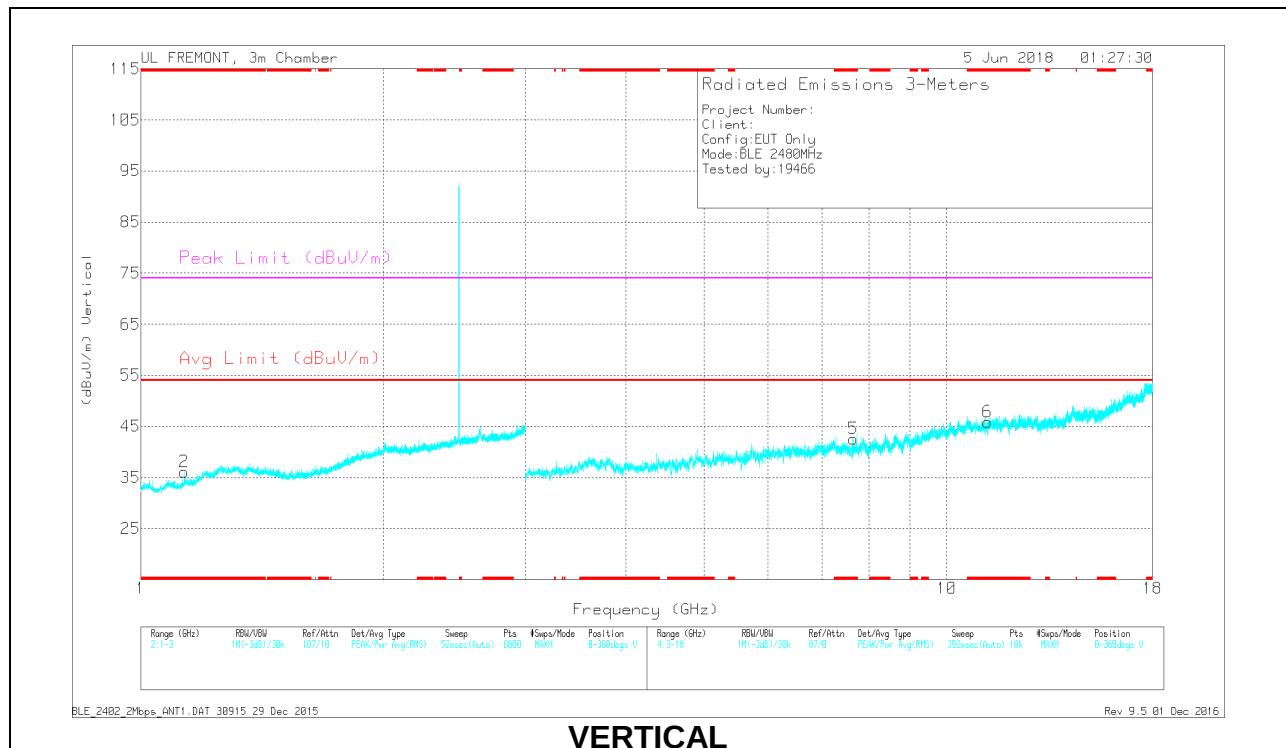
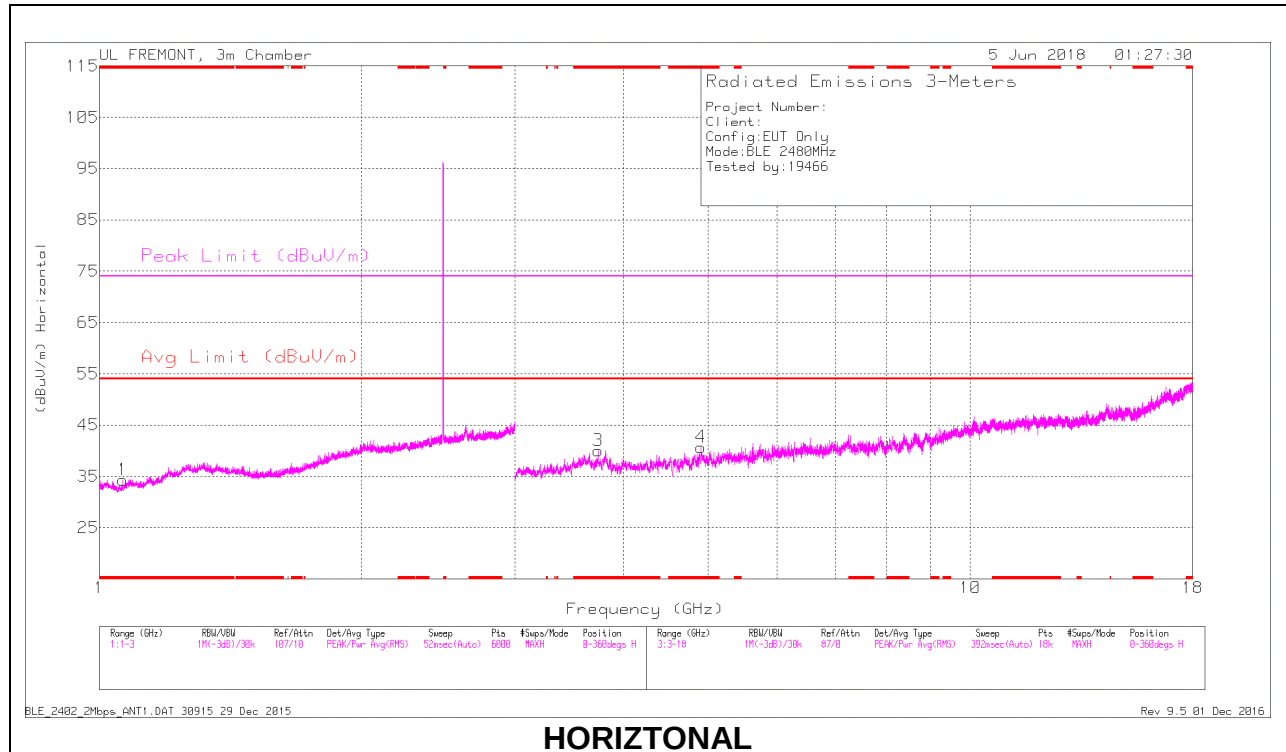
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.077	37.21	PK2	27.6	-23.4	41.41	-	-	74	-32.59	227	227	H
	* 1.079	25.41	MAv1	27.6	-23.4	29.61	54	-24.39	-	-	227	227	H
2	* 1.156	36.63	PK2	27.9	-23	41.53	-	-	74	-32.47	117	170	V
	* 1.152	25.14	MAv1	27.9	-23	30.04	54	-23.96	-	-	117	170	V
3	* 3.805	41.06	PK2	33.7	-27.3	47.46	-	-	74	-26.54	5	339	H
	* 3.802	28.56	MAv1	33.7	-27.5	34.76	54	-19.24	-	-	5	339	H
4	* 5.021	37.36	PK2	34.2	-24.2	47.36	-	-	74	-26.64	221	115	H
	* 5.02	25.5	MAv1	34.2	-24.2	35.5	54	-18.5	-	-	221	115	H
5	* 7.651	36.66	PK2	35.8	-22.4	50.06	-	-	74	-23.94	14	382	V
	* 7.653	24.98	MAv1	35.8	-23	37.78	54	-16.22	-	-	14	382	V
6	* 11.816	36.02	PK2	38.9	-21.8	53.12	-	-	74	-20.88	70	395	V
	* 11.817	24.79	MAv1	38.9	-21.8	41.89	54	-12.11	-	-	70	395	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 T120 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.063	37.04	PK2	27.4	-23.5	40.94	-	-	74	-33.06	324	281	H
	* 1.066	25	MAv1	27.4	-23.5	28.9	54	-25.1	-	-	324	281	H
2	* 1.134	37.1	PK2	27.8	-23	41.9	-	-	74	-32.1	155	399	V
	* 1.134	25.18	MAv1	27.8	-23	29.98	54	-24.02	-	-	155	399	V
3	* 3.741	40.83	PK2	33.9	-28.3	46.43	-	-	74	-27.57	324	281	H
	* 3.742	29.42	MAv1	33.9	-28.4	34.92	54	-19.08	-	-	324	281	H
4	* 4.904	40.11	PK2	34	-26.3	47.81	-	-	74	-26.19	85	242	H
	* 4.905	28.24	MAv1	34	-26.4	35.84	54	-18.16	-	-	85	242	H
5	* 7.652	36.25	PK2	35.8	-22.7	49.35	-	-	74	-24.65	226	395	V
	* 7.652	24.91	MAv1	35.8	-22.7	38.01	54	-15.99	-	-	226	395	V
6	* 11.225	36.07	PK2	38.2	-21.8	52.47	-	-	74	-21.53	144	221	V
	* 11.225	24.63	MAv1	38.2	-21.8	41.03	54	-12.97	-	-	144	221	V

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

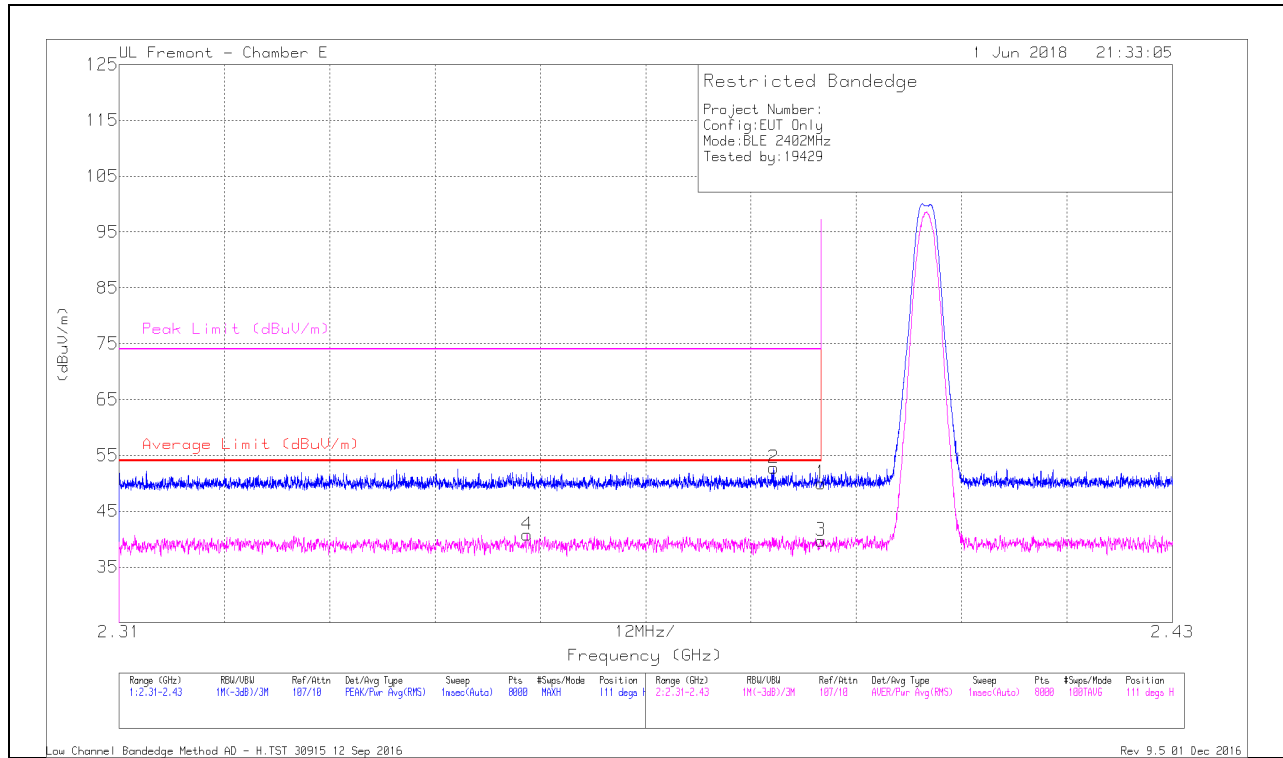
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

Antenna 5

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



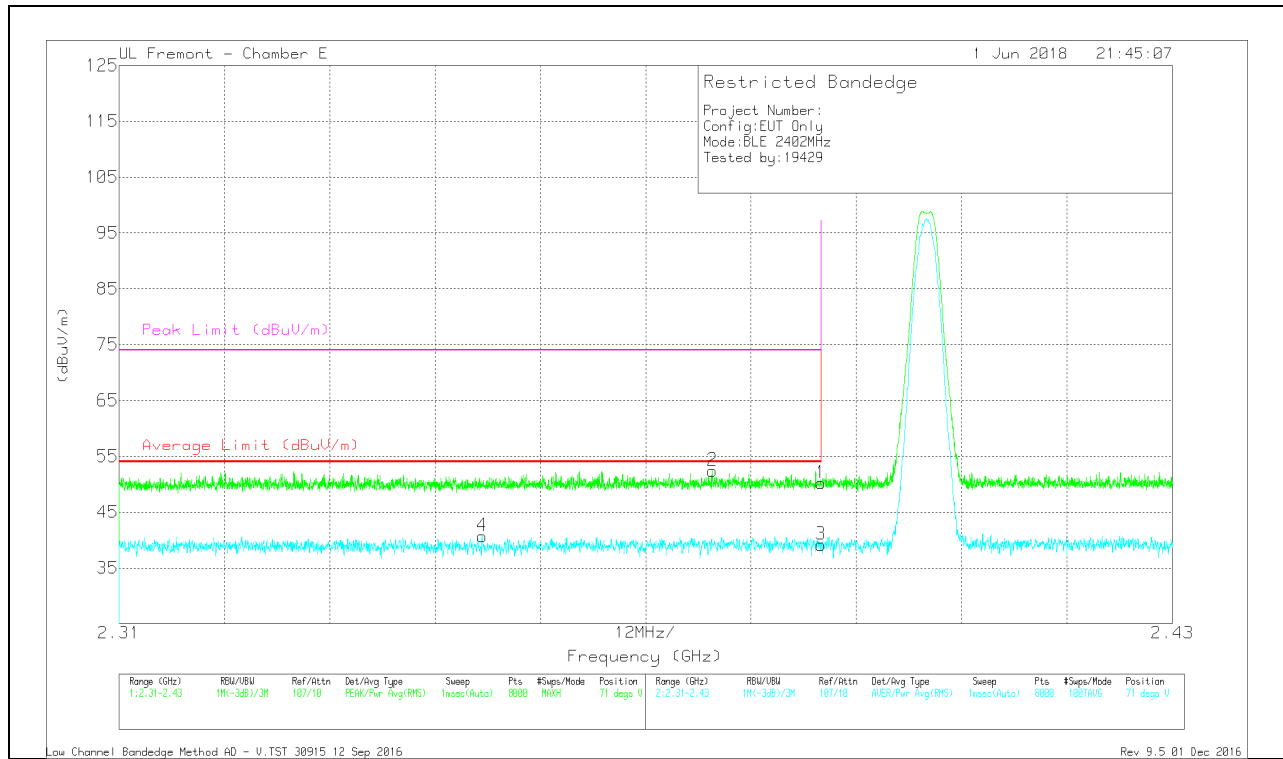
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	40.6	Pk	32	-22.6	50	-	-	74	-24	111	124	H
2	* 2.385	43.44	Pk	31.9	-22.6	52.74	-	-	74	-21.26	111	124	H
3	* 2.39	30.34	RMS	32	-22.6	39.74	54	-14.26	-	-	111	124	H
4	* 2.356	31.59	RMS	31.9	-22.7	40.79	54	-13.21	-	-	111	124	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dBm)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	40.77	Pk	32	-22.6	50.17	-	-	74	-23.83	71	392	V
2	* 2.378	43.12	Pk	31.9	-22.6	52.42	-	-	74	-21.58	71	392	V
3	* 2.39	29.77	RMS	32	-22.6	39.17	54	-14.83	-	-	71	392	V
4	* 2.351	31.6	RMS	31.8	-22.7	40.7	54	-13.3	-	-	71	392	V

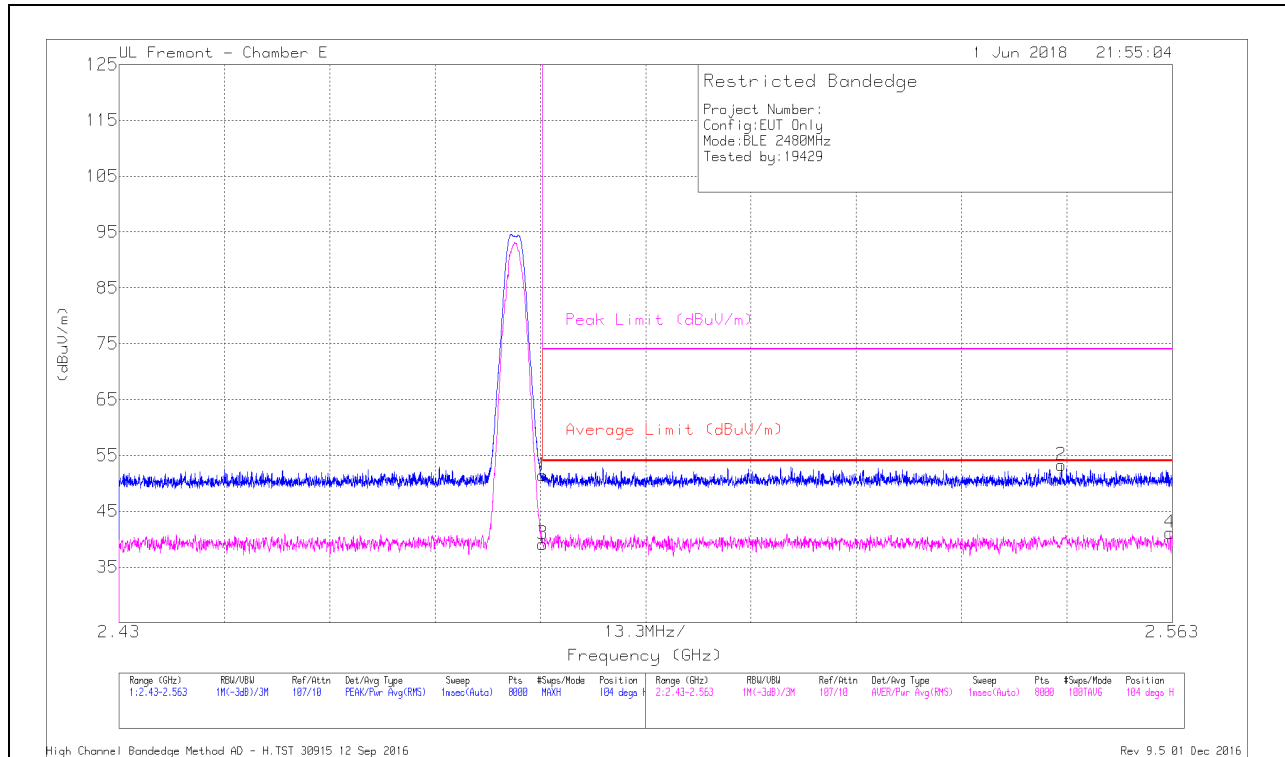
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



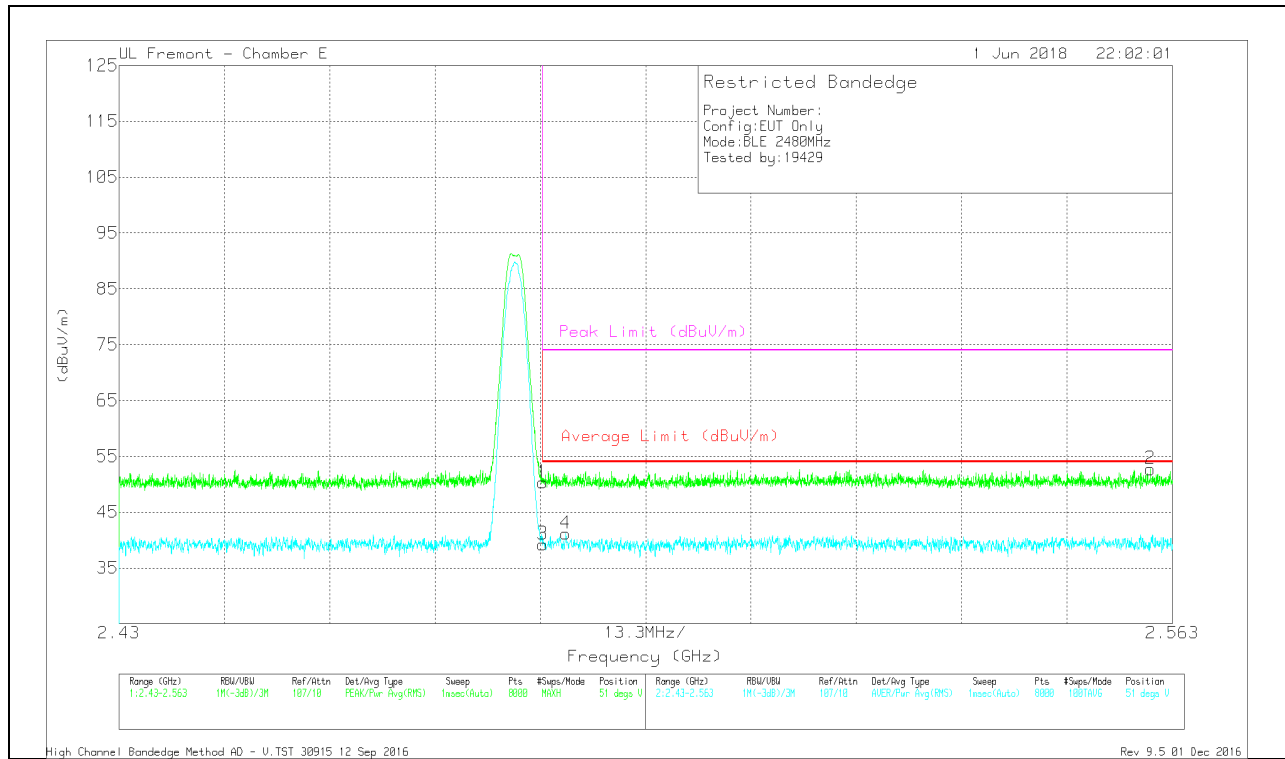
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/CbL/Filt/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	41.61	Pk	32.1	-22.3	51.41	-	-	74	-22.59	104	136	H
3	* 2.484	29.32	RMS	32.1	-22.3	39.12	54	-14.88	-	-	104	136	H
2	2.549	43.46	Pk	32.1	-22.3	53.26	-	-	74	-20.74	104	136	H
4	2.563	31.32	RMS	32.1	-22.3	41.12	54	-12.88	-	-	104	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 (dBm)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.52	Pk	32.1	-22.3	50.32	-	-	74	-23.68	51	317	V
3	* 2.484	29.43	RMS	32.1	-22.3	39.23	54	-14.77	-	-	51	317	V
4	* 2.486	31.43	RMS	32.1	-22.4	41.13	54	-12.87	-	-	51	317	V
2	2.56	42.93	Pk	32.1	-22.3	52.73	-	-	74	-21.27	51	317	V

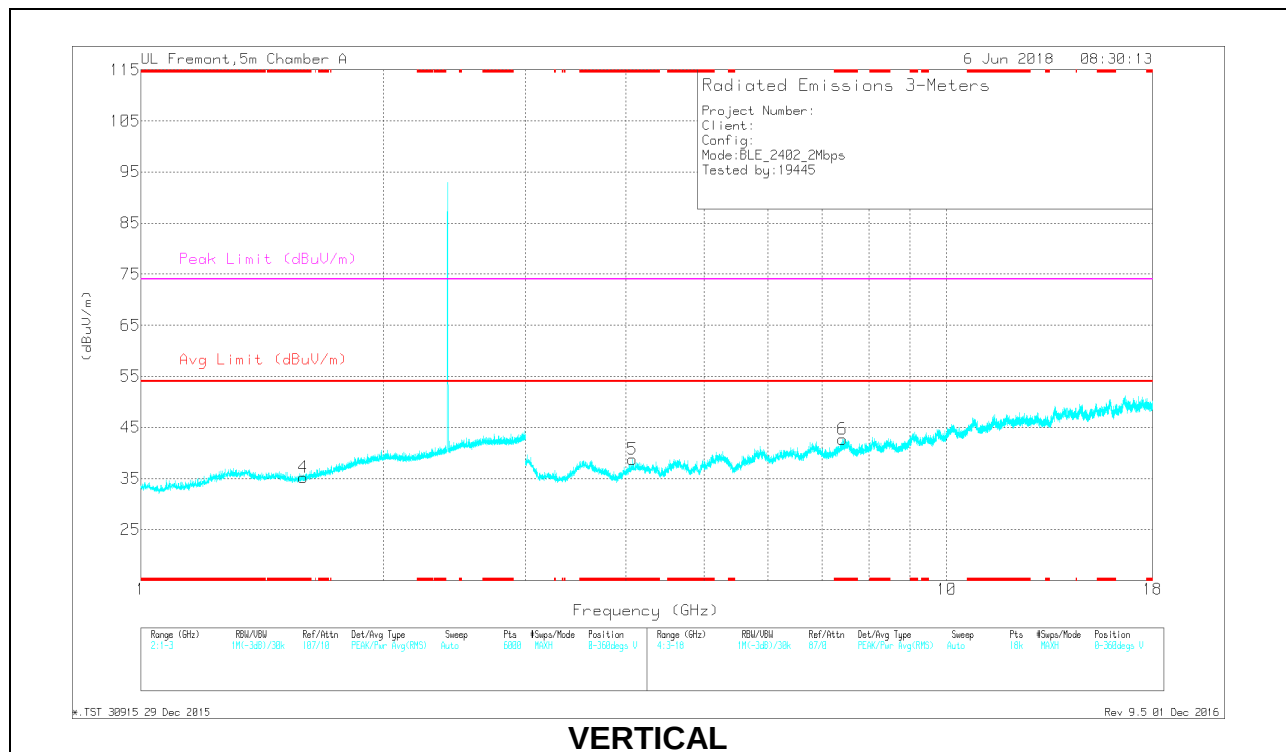
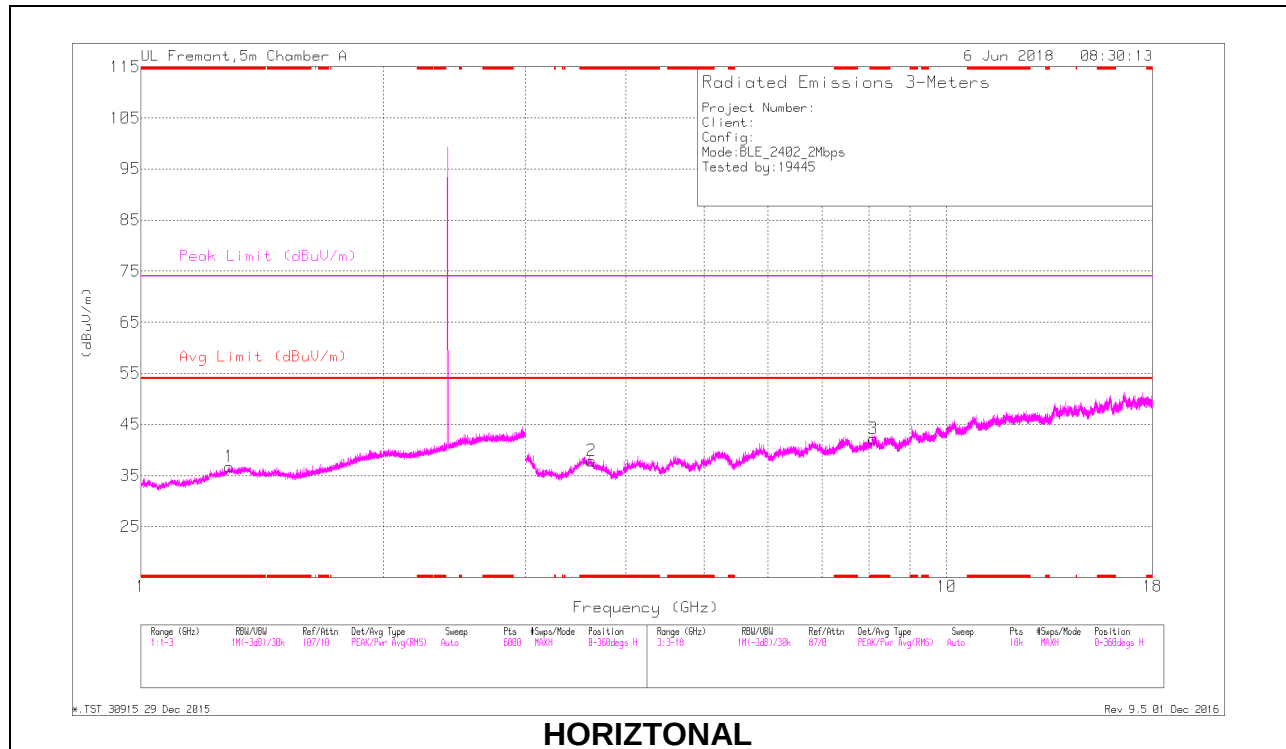
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

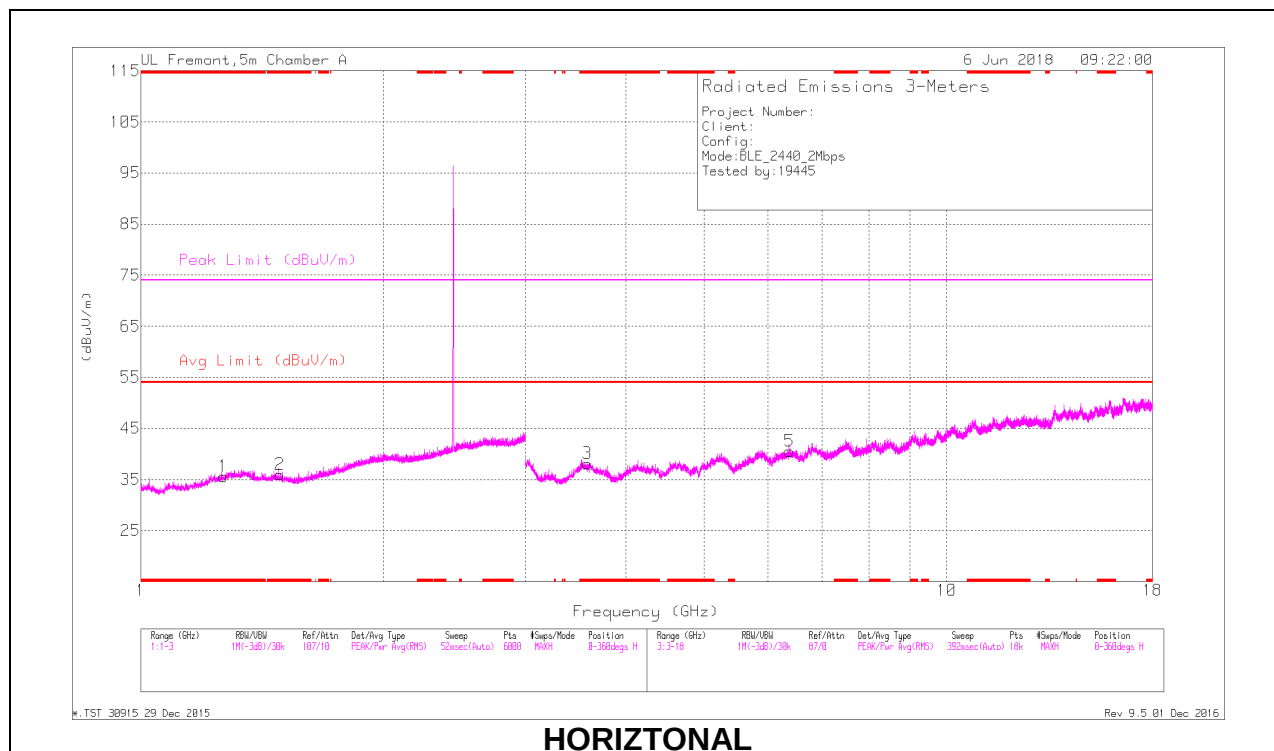
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.288	37.98	PK2	29.4	-23.6	43.78	-	-	74	-30.22	80	166	H
	* 1.288	25.69	MAv1	29.4	-23.6	31.49	54	-22.51	-	-	80	166	H
4	* 1.592	38.56	PK2	28.1	-23.4	43.26	-	-	74	-30.74	229	173	V
	* 1.592	25.82	MAv1	28.1	-23.4	30.52	54	-23.48	-	-	229	173	V
2	* 3.628	38.57	PK2	33	-27.5	44.07	-	-	74	-29.93	75	115	H
	* 3.628	27.27	MAv1	33	-27.5	32.77	54	-21.23	-	-	75	115	H
3	* 8.103	34.67	PK2	35.8	-21.1	49.37	-	-	74	-24.63	204	148	H
	* 8.104	22.79	MAv1	35.8	-21.1	37.49	54	-16.51	-	-	204	148	H
5	* 4.073	38.12	PK2	33.4	-26.7	44.82	-	-	74	-29.18	198	113	V
	* 4.073	26.43	MAv1	33.4	-26.7	33.13	54	-20.87	-	-	198	113	V
6	* 7.428	34.78	PK2	35.6	-21.4	48.98	-	-	74	-25.02	32	189	V
	* 7.427	22.87	MAv1	35.6	-21.5	36.97	54	-17.03	-	-	32	189	V

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

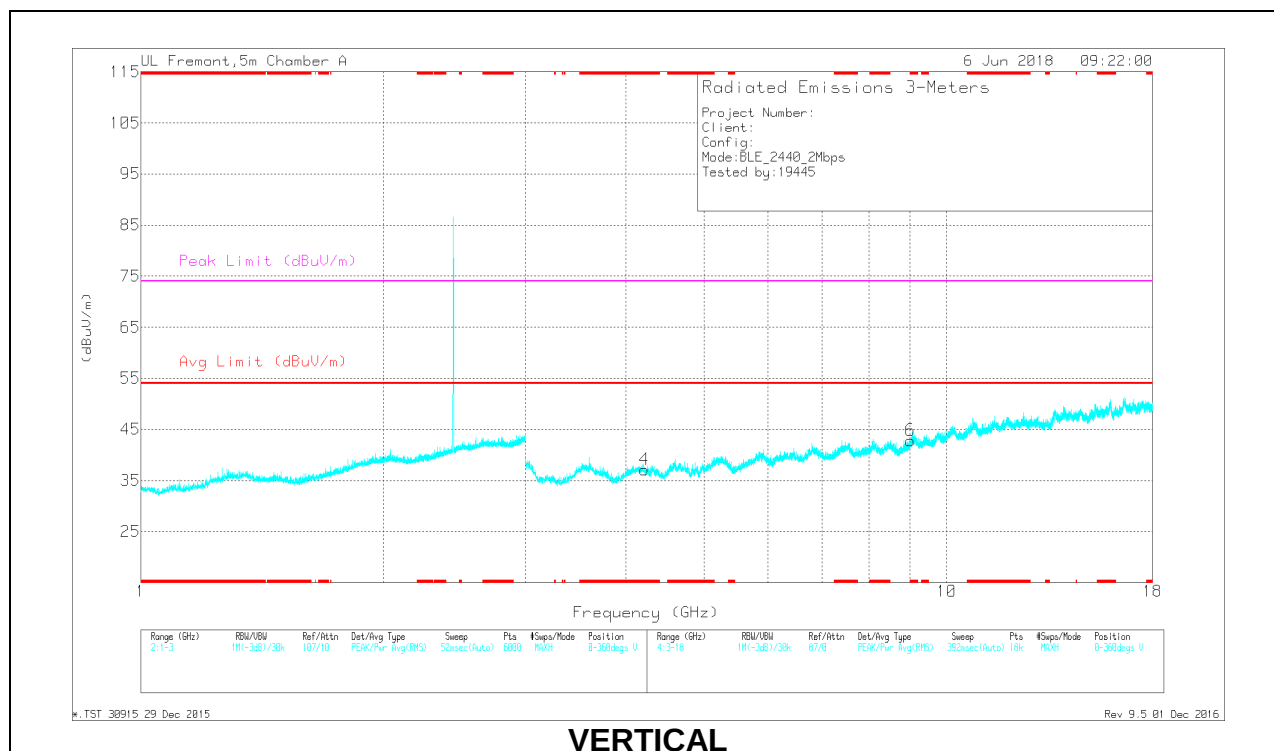
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

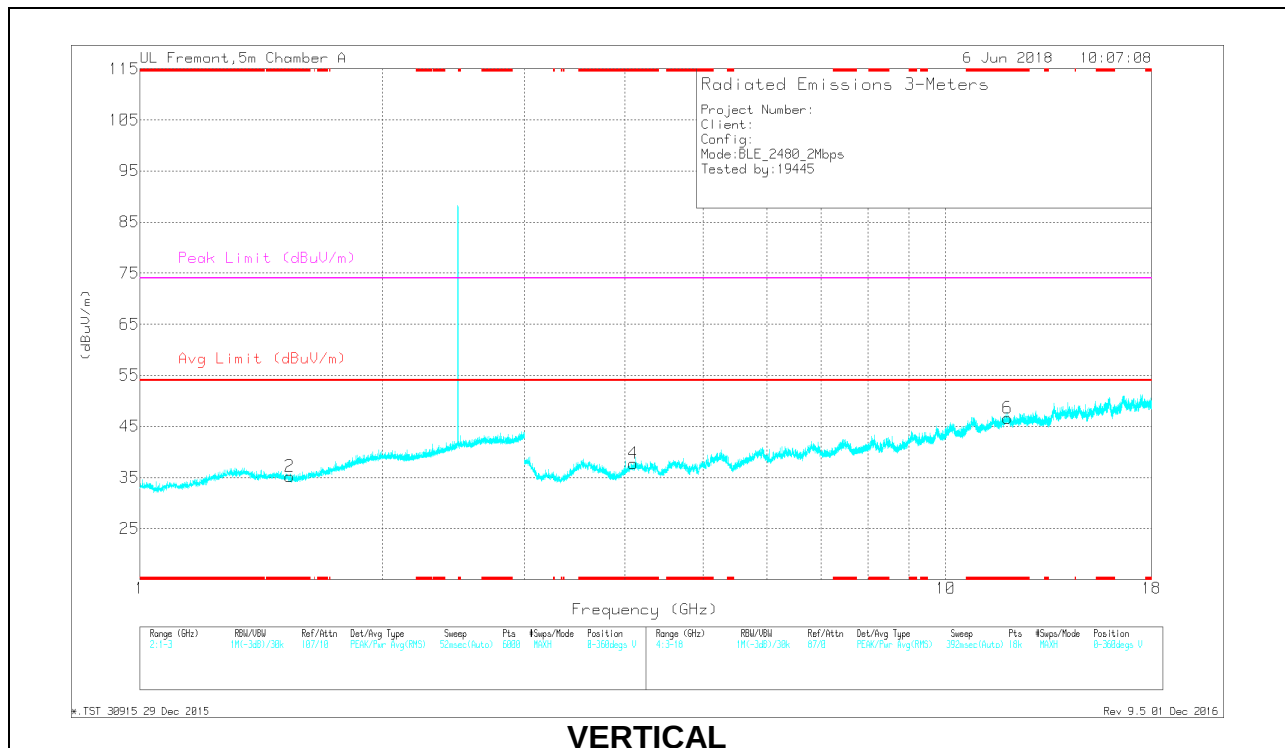
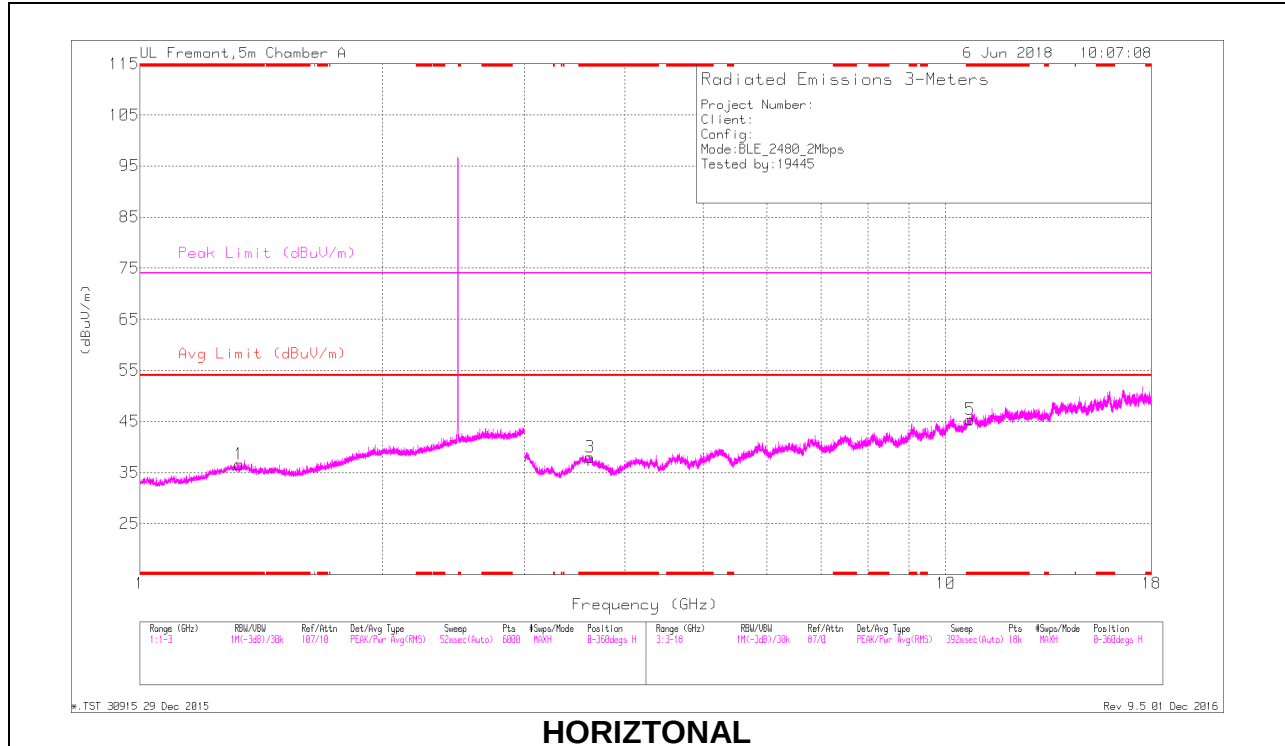
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.264	37.73	PK2	29.2	-23.7	43.23	-	-	74	-30.77	121	177	H
	* 1.264	25.4	MAv1	29.2	-23.7	30.9	54	-23.1	-	-	121	177	H
2	* 1.488	37.82	PK2	28.5	-23.4	42.92	-	-	74	-31.08	350	389	H
	* 1.49	25.62	MAv1	28.5	-23.4	30.72	54	-23.28	-	-	350	389	H
3	* 3.582	39.13	PK2	33	-26.9	45.23	-	-	74	-28.77	167	224	H
	* 3.584	27.3	MAv1	33	-26.8	33.5	54	-20.5	-	-	167	224	H
4	* 4.219	38.12	PK2	33.4	-27.3	44.22	-	-	74	-29.78	185	157	V
	* 4.217	26.27	MAv1	33.4	-27.2	32.47	54	-21.53	-	-	185	157	V
6	* 9.022	34.24	PK2	36.3	-21.1	49.44	-	-	74	-24.56	359	231	V
	* 9.021	22.87	MAv1	36.3	-21.1	38.07	54	-15.93	-	-	359	231	V
5	6.379	36.44	PK2	35.8	-24.5	47.74	-	-	74	-26.26	316	152	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	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T862 (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	* 1.325	38.19	PK2	29.5	-23.6	44.09	-	-	74	-29.91	257	345	H
	* 1.328	25.48	MAv1	29.5	-23.7	31.28	54	-22.72	-	-	257	345	H
2	* 1.534	38.51	PK2	28	-23.3	43.21	-	-	74	-30.79	22	354	V
	* 1.535	25.72	MAv1	28	-23.3	30.42	54	-23.58	-	-	22	354	V
3	* 3.618	38.89	PK2	33	-27.4	44.49	-	-	74	-29.51	164	116	H
	* 3.62	27.22	MAv1	33	-27.5	32.72	54	-21.28	-	-	164	116	H
5	* 10.724	33.9	PK2	37.8	-19.1	52.6	-	-	74	-21.4	113	279	H
	* 10.727	22.05	MAv1	37.8	-19.1	40.75	54	-13.25	-	-	113	279	H
4	* 4.093	38.34	PK2	33.4	-27	44.74	-	-	74	-29.26	312	108	V
	* 4.092	26.59	MAv1	33.4	-27	32.99	54	-21.01	-	-	312	108	V
6	* 11.929	33.3	PK2	38.9	-18.1	54.1	-	-	74	-19.9	53	109	V
	* 11.925	21.62	MAv1	38.8	-18.2	42.22	54	-11.78	-	-	53	109	V

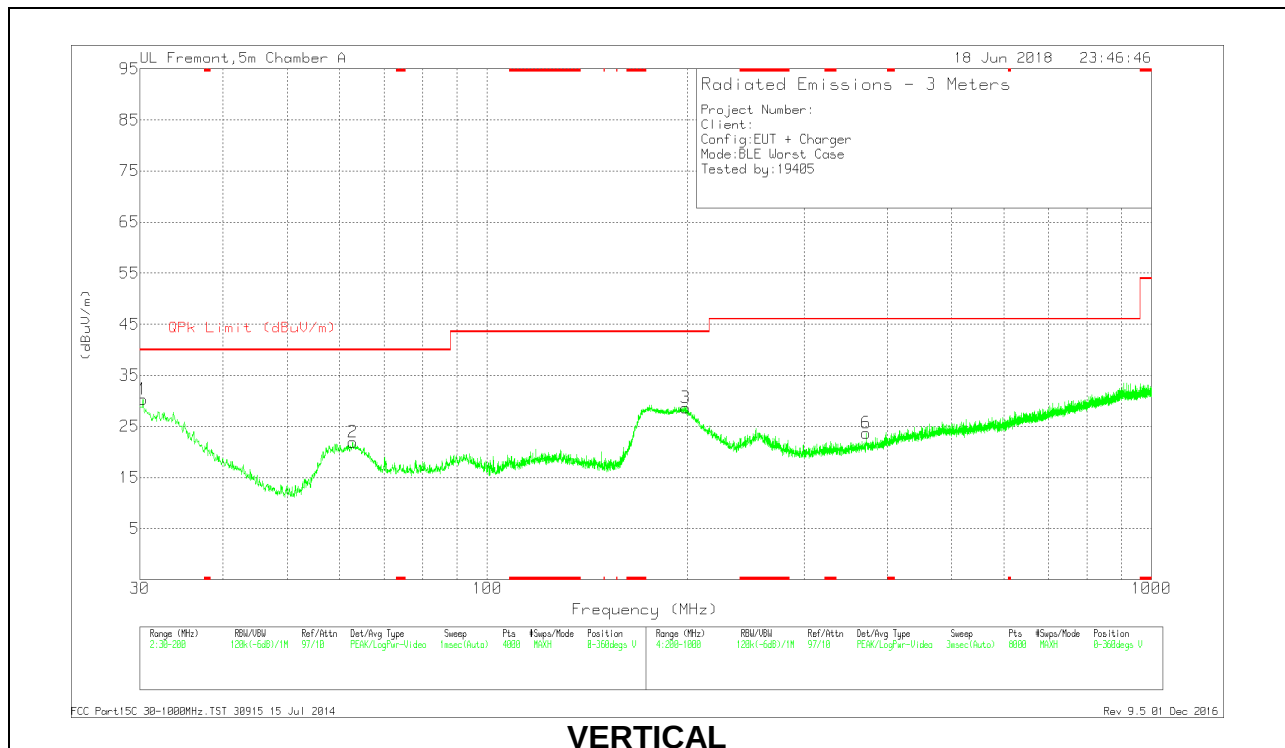
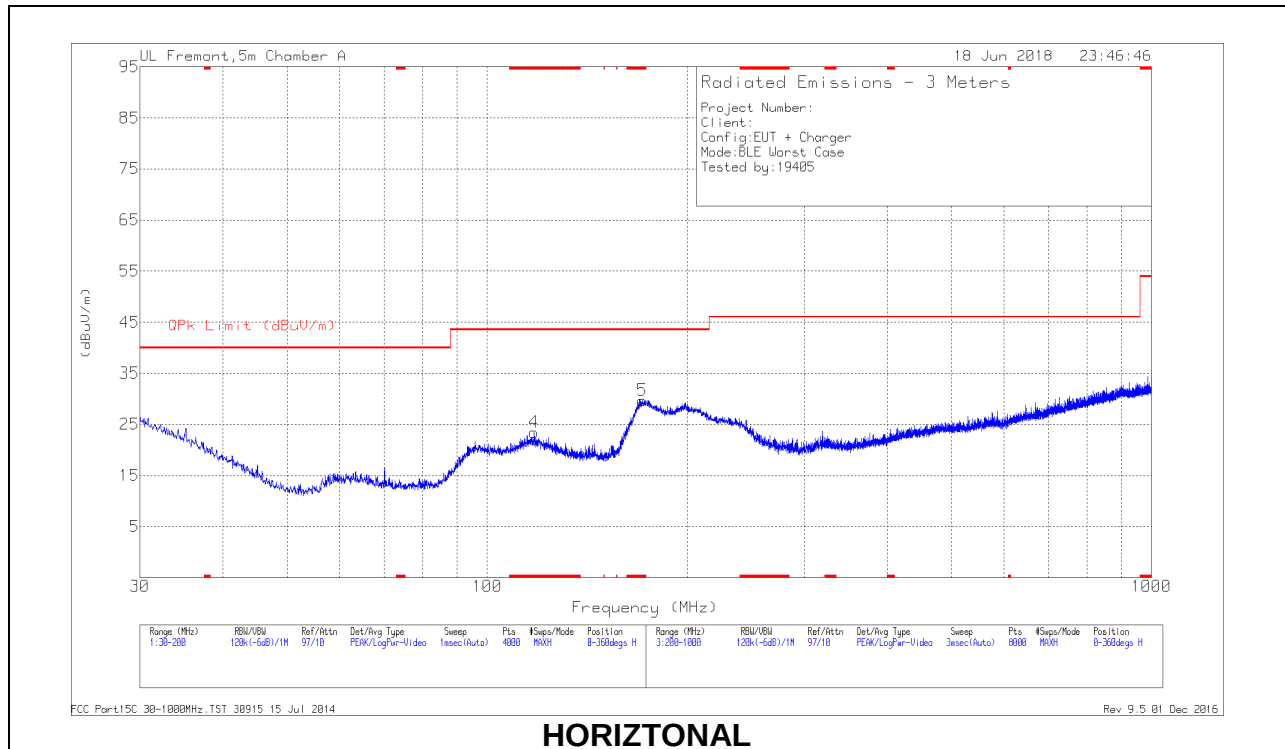
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

9.3. Worst Case Below 1 GHz

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

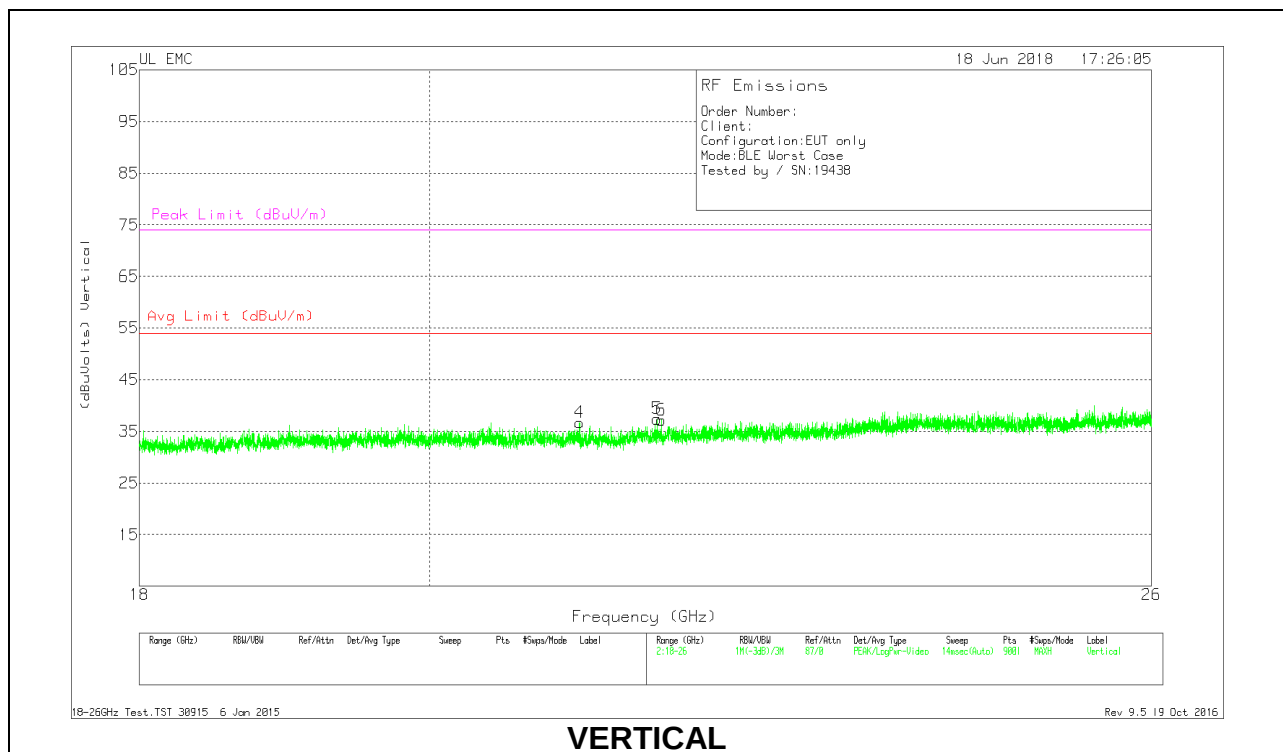
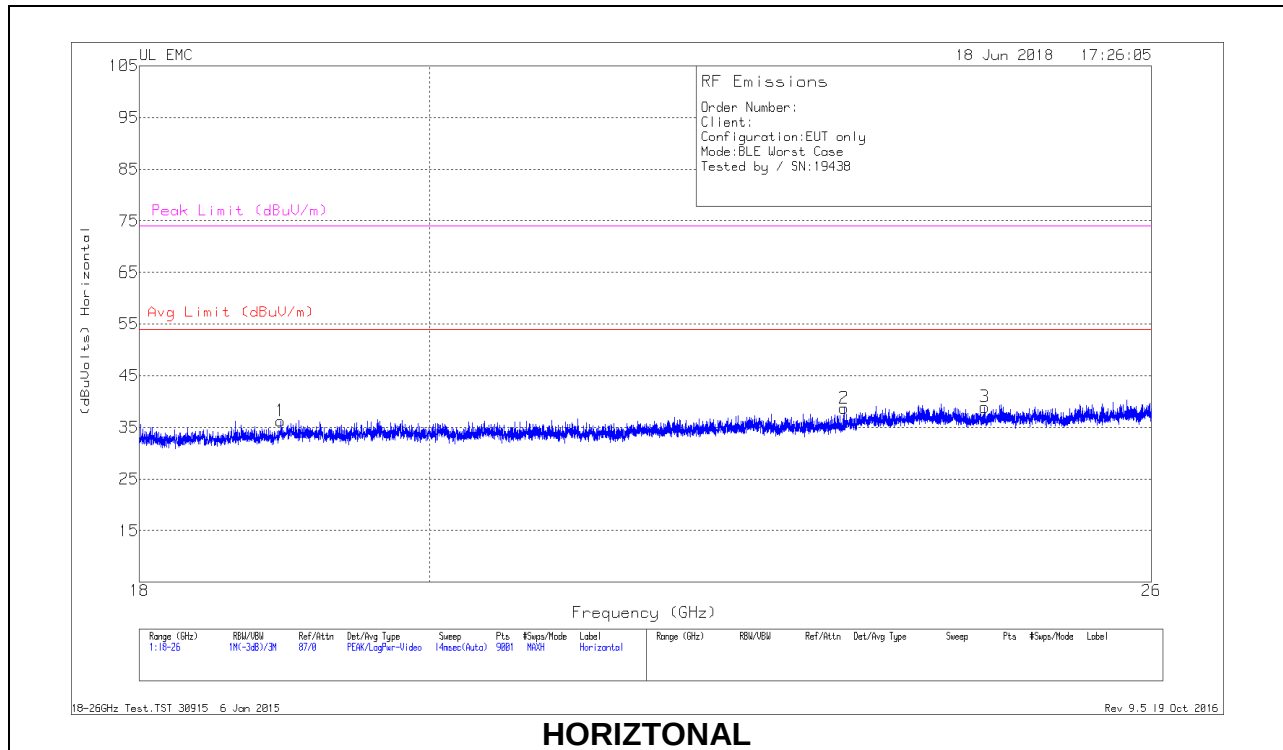


Below 1GHz Data

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T130 (dB/m)	Amp/Cbl (dB/m)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 117.5727	31.92	Pk	17.7	-26.2	23.42	43.52	-20.1	0-360	300	H
5	* 171.2641	39.59	Pk	15.7	-25.6	29.69	43.52	-13.83	0-360	200	H
1	30.2976	32.6	Pk	25	-27.3	30.3	40	-9.7	0-360	100	V
2	62.7335	36.81	Pk	11.9	-26.8	21.91	40	-18.09	0-360	100	V
3	198.7262	37.54	Pk	16.4	-25.3	28.64	43.52	-14.88	0-360	100	V
6	372.0224	29.69	Pk	18.9	-24.9	23.69	46.02	-22.33	0-360	200	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	18.948	38.22	Pk	32.4	-24.9	-9.5	36.22	54	-17.78	74	-37.78
2	23.252	39.63	Pk	33.6	-25	-9.5	38.73	54	-15.27	74	-35.27
3	24.471	38.71	Pk	34	-24.3	-9.5	38.91	54	-15.09	74	-35.09
4	21.121	38.47	Pk	33.1	-25.4	-9.5	36.67	54	-17.33	74	-37.33
5	21.725	38.61	Pk	33.2	-24.9	-9.5	37.41	54	-16.59	74	-36.59
6	21.759	38.59	Pk	33.2	-25.1	-9.5	37.19	54	-16.81	74	-36.81

10. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

RSS-Gen 8.8

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

* Decreases with the logarithm of the frequency.

TEST PROCEDURE

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

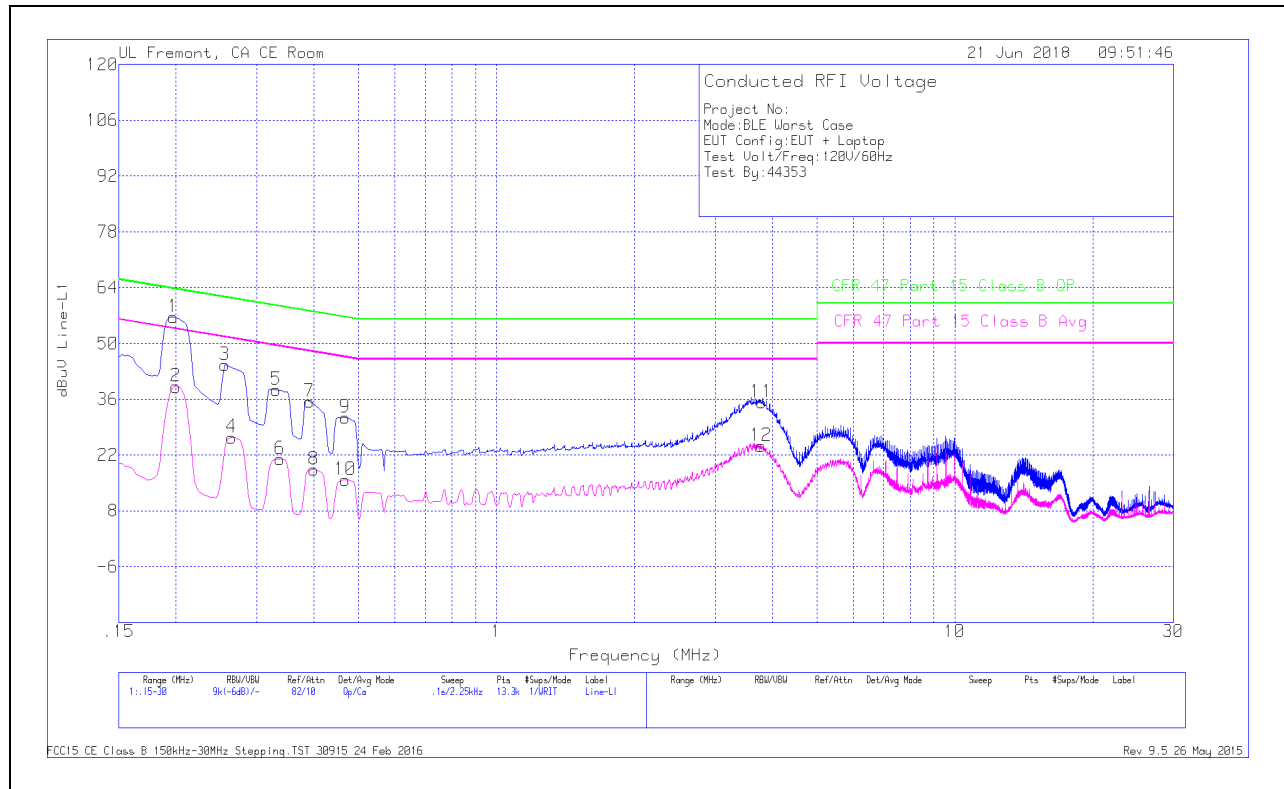
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

10.1.1. AC Power Line Host

LINE 1 RESULTS



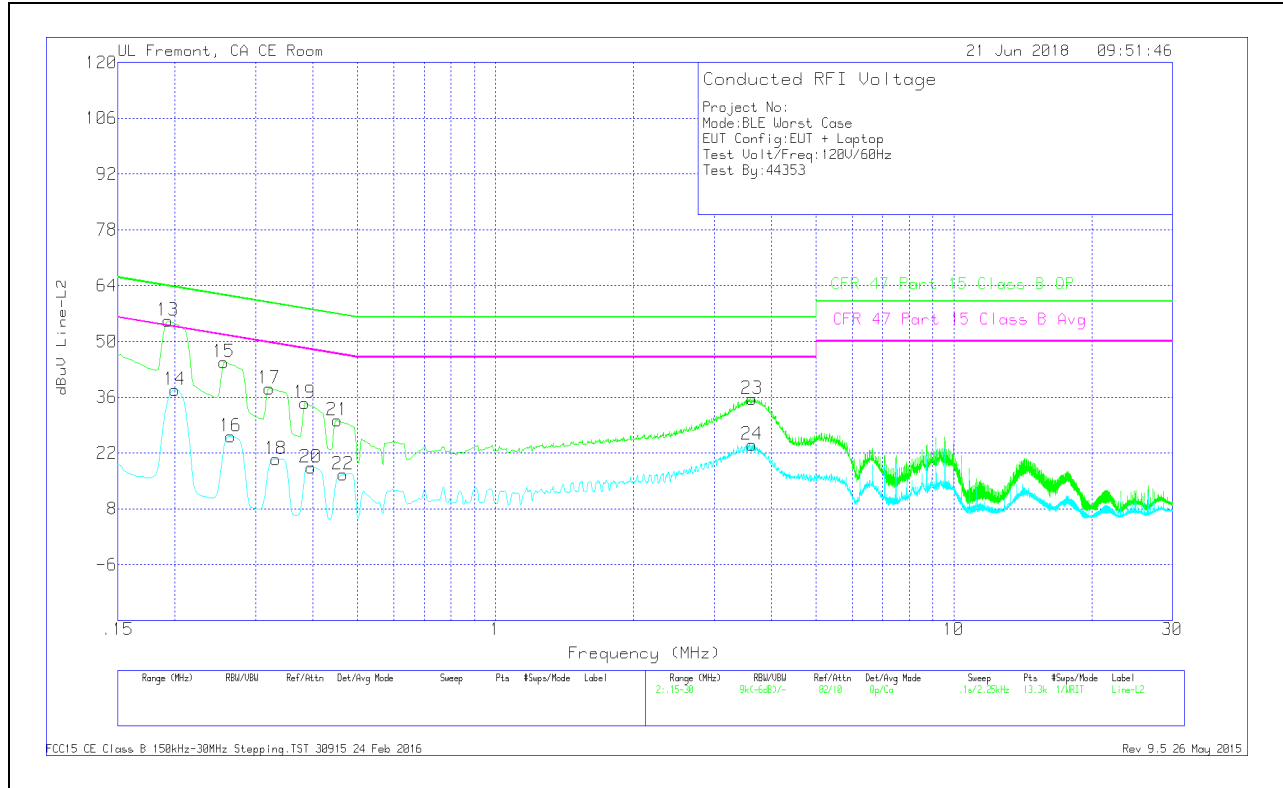
Range 1: Line-L1 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L1	LC Cables C1&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
1	.19725	45.85	Qp	.6	0	10.1	56.55	63.73	-7.18	-	-
2	.1995	28.44	Ca	.6	0	10.1	39.14	-	-	53.63	-14.49
3	.25575	34.06	Qp	.4	0	10.1	44.56	61.57	-17.01	-	-
4	.26475	15.94	Ca	.4	0	10.1	26.44	-	-	51.28	-24.84
5	.33112	27.88	Qp	.3	0	10.1	38.28	59.42	-21.14	-	-
6	.33675	10.62	Ca	.3	0	10.1	21.02	-	-	49.28	-28.26
7	.39075	25.13	Qp	.2	0	10.1	35.43	58.05	-22.62	-	-
8	.39975	8.04	Ca	.2	0	10.1	18.34	-	-	47.86	-29.52
9	.46725	21.21	Qp	.1	0	10.1	31.41	56.56	-25.15	-	-
10	.46725	5.61	Ca	.1	0	10.1	15.81	-	-	46.56	-30.75
11	3.78713	24.94	Qp	.1	.1	10.1	35.24	56	-20.76	-	-
12	3.777	14	Ca	.1	.1	10.1	24.3	-	-	46	-21.7

Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 2 RESULTS



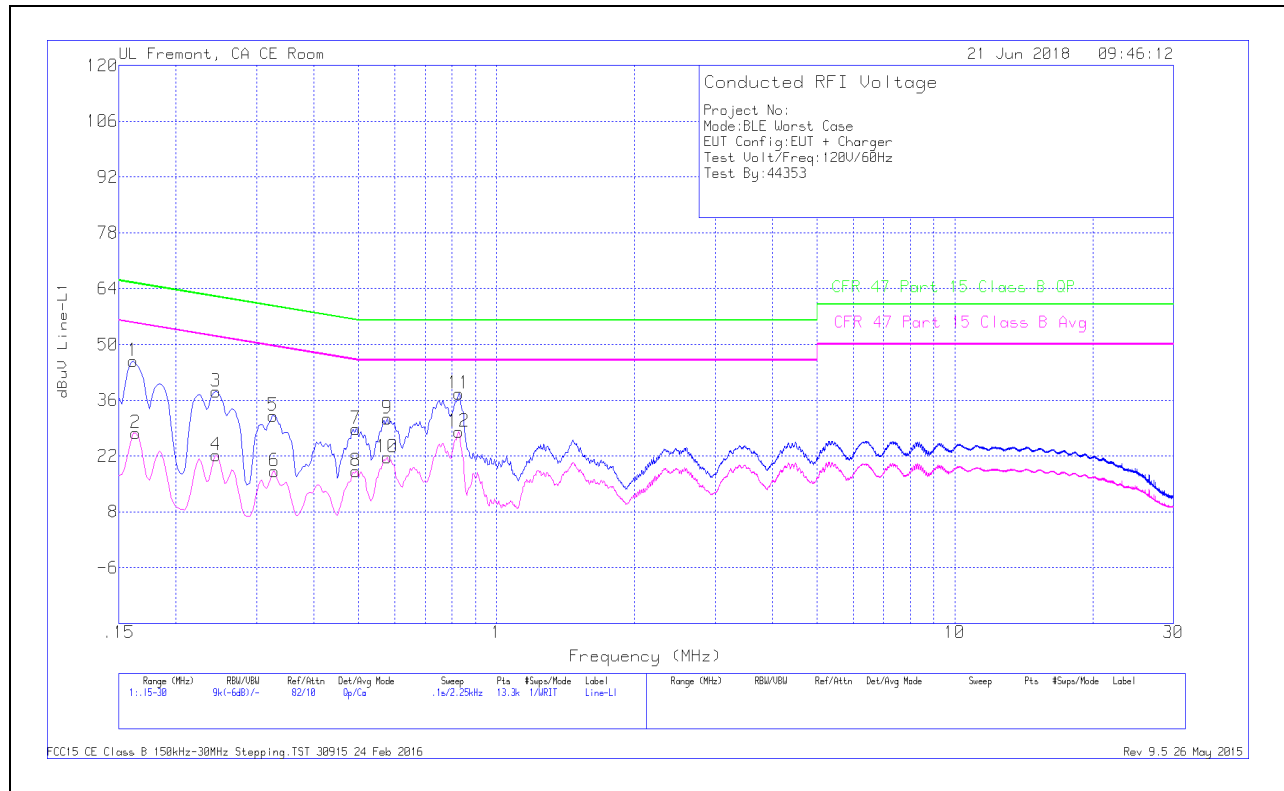
Range 2: Line-L2 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L2	LC Cables C2&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
13	.19275	44.96	Qp	.1	0	10.1	55.16	63.92	-8.76	-	-
14	.1995	27.67	Ca	.1	0	10.1	37.87	-	-	53.63	-15.76
15	.25575	34.66	Qp	.1	0	10.1	44.86	61.57	-16.71	-	-
16	.26475	16.01	Ca	.1	0	10.1	26.21	-	-	51.28	-25.07
17	.321	28.05	Qp	.1	0	10.1	38.25	59.68	-21.43	-	-
18	.33225	10.22	Ca	.1	0	10.1	20.42	-	-	49.39	-28.97
19	.384	24.28	Qp	.1	0	10.1	34.48	58.19	-23.71	-	-
20	.39525	8.24	Ca	.1	0	10.1	18.44	-	-	47.95	-29.51
21	.4515	19.93	Qp	.1	0	10.1	30.13	56.85	-26.72	-	-
22	.465	6.36	Ca	.1	0	10.1	16.56	-	-	46.6	-30.04
23	3.62625	25.32	Qp	0	.1	10.1	35.52	56	-20.48	-	-
24	3.624	13.91	Ca	0	.1	10.1	24.11	-	-	46	-21.89

Qp - Quasi-Peak detector
Ca - CISPR average detection

10.1.2. AC Power Line Norm

LINE 1 RESULTS

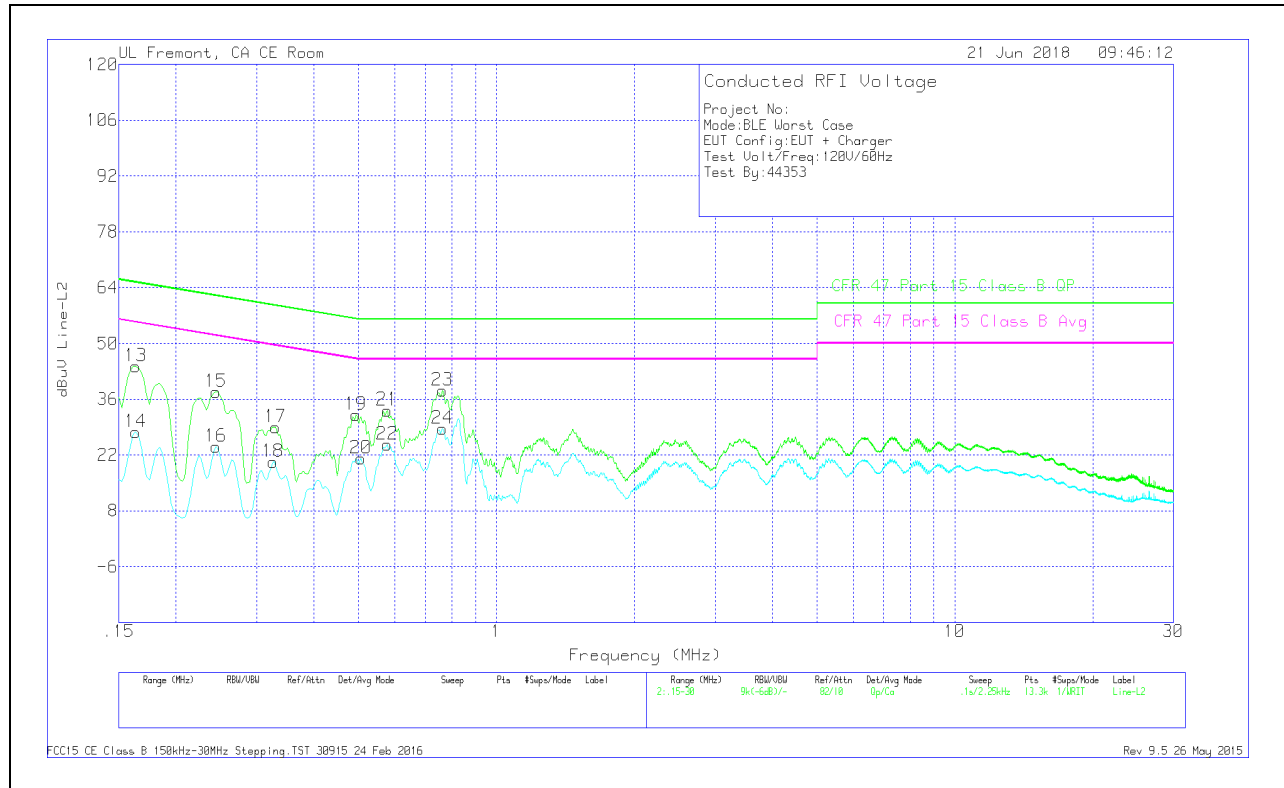


Range 1: Line-L1 .15 - 30MHz

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	.16125	35.06	Qp	.7	0	10.1	45.86	65.4	-19.54	-	-
2	.1635	16.99	Ca	.7	0	10.1	27.79	-	-	55.28	-27.49
3	.2445	27.75	Qp	.4	0	10.1	38.25	61.94	-23.69	-	-
4	.2445	11.71	Ca	.4	0	10.1	22.21	-	-	51.94	-29.73
5	.3255	21.67	Qp	.3	0	10.1	32.07	59.57	-27.5	-	-
6	.32775	7.85	Ca	.3	0	10.1	18.25	-	-	49.51	-31.26
7	.49425	18.62	Qp	.1	0	10.1	28.82	56.1	-27.28	-	-
8	.49425	7.95	Ca	.1	0	10.1	18.15	-	-	46.1	-27.95
9	.5775	21.13	Qp	.1	0	10.1	31.33	56	-24.67	-	-
10	.5775	11.43	Ca	.1	0	10.1	21.63	-	-	46	-24.37
11	.82725	27.49	Qp	.1	0	10.1	37.69	56	-18.31	-	-
12	.82725	17.83	Ca	.1	0	10.1	28.03	-	-	46	-17.97

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	.1635	34.09	Qp	.1	0	10.1	44.29	65.28	-20.99	-	-
14	.1635	17.49	Ca	.1	0	10.1	27.69	-	-	55.28	-27.59
15	.2445	27.57	Qp	.1	0	10.1	37.77	61.94	-24.17	-	-
16	.2445	13.9	Ca	.1	0	10.1	24.1	-	-	51.94	-27.84
17	.33	18.8	Qp	.1	0	10.1	29	59.45	-30.45	-	-
18	.3255	10.06	Ca	.1	0	10.1	20.26	-	-	49.57	-29.31
19	.49425	21.97	Qp	.1	0	10.1	32.17	56.1	-23.93	-	-
20	.5055	10.98	Ca	.1	0	10.1	21.18	-	-	46	-24.82
21	.5775	23.02	Qp	.1	0	10.1	33.22	56	-22.78	-	-
22	.5775	14.35	Ca	.1	0	10.1	24.55	-	-	46	-21.45
23	.762	27.94	Qp	.1	0	10.1	38.14	56	-17.86	-	-
24	.762	18.35	Ca	.1	0	10.1	28.55	-	-	46	-17.45

Qp - Quasi-Peak detector
Ca - CISPR average detection

END OF REPORT

11. SETUP PHOTOS

Please refer to 12258201-EP1V1 for setup photos