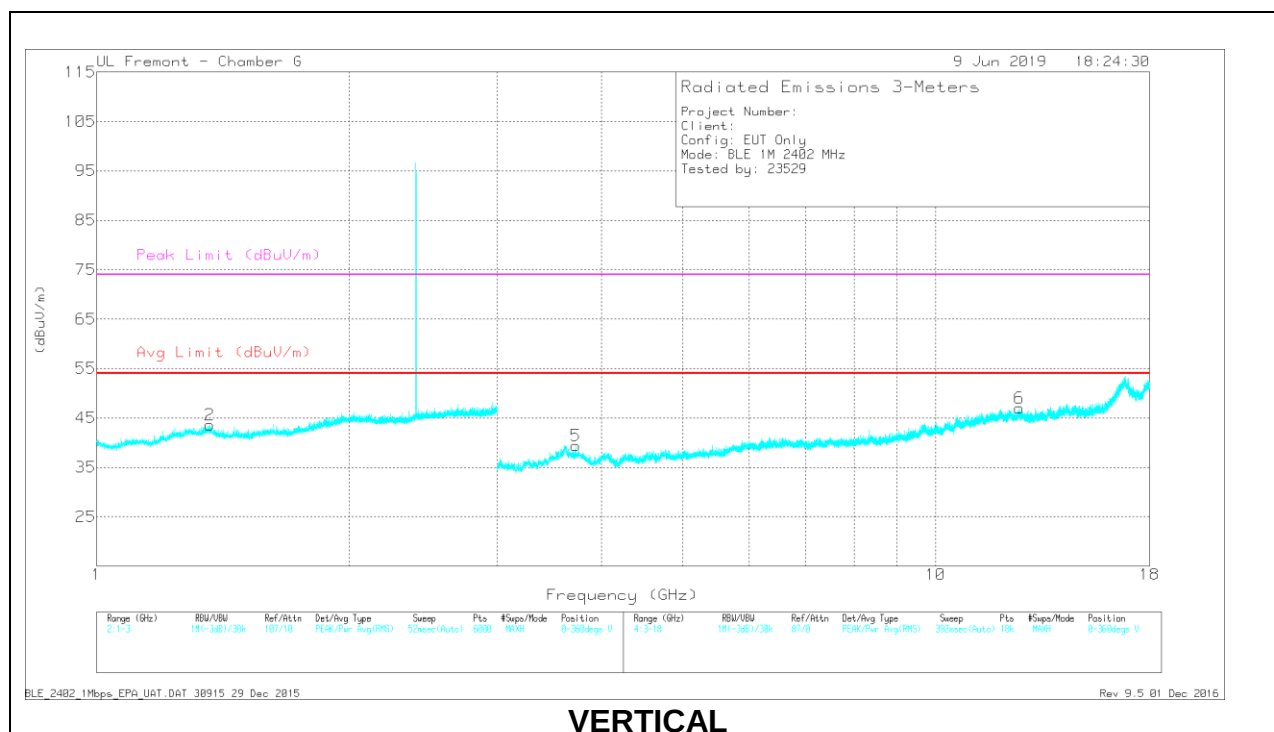
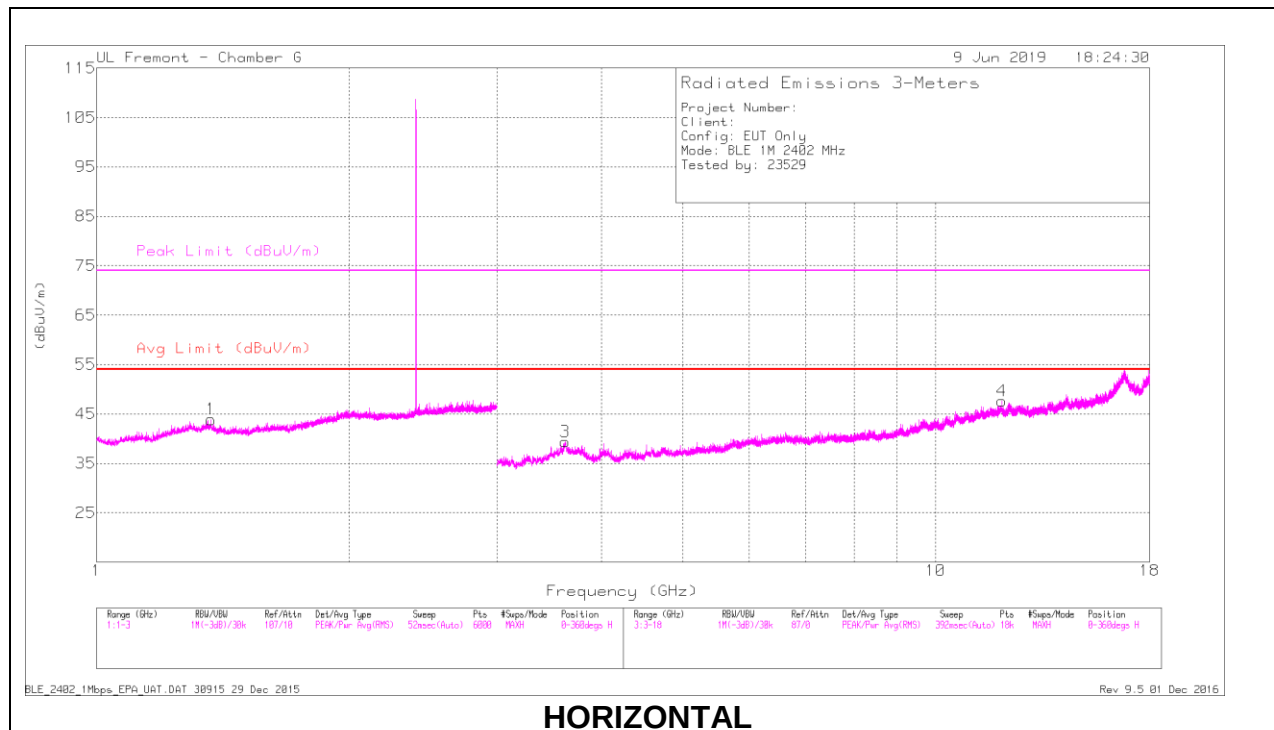


HARMONICS AND SPURIOUS EMISSIONS

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
2	* 1.362	43.9	PK2	29.9	-23.2	50.6	-	-	74	-23.4	270	148	V
	* 1.364	32.03	MAV1	30	-23.2	38.83	54	-15.17	-	-	270	148	V
1	* 1.37	43.56	PK2	29.9	-23.2	50.26	-	-	74	-23.74	127	183	H
	* 1.371	32.28	MAV1	29.9	-23.2	38.98	54	-15.02	-	-	127	183	H
4	* 11.992	25.38	MAV1	39.5	-22.3	42.58	54	-11.42	-	-	172	258	H
	* 11.994	37.24	PK2	39.5	-22.3	54.44	-	-	74	-19.56	172	258	H
6	* 12.591	25.39	MAV1	39.7	-22.7	42.39	54	-11.61	-	-	100	214	V
	* 12.593	36.58	PK2	39.7	-22.8	53.48	-	-	74	-20.52	100	214	V
3	* 3.619	41.62	PK2	35.7	-30	47.32	-	-	74	-26.68	215	202	H
	* 3.621	29.69	MAV1	35.7	-30	35.39	54	-18.61	-	-	215	202	H
5	* 3.724	40.61	PK2	33.9	-29	45.51	-	-	74	-28.49	193	214	V
	* 3.725	29.17	MAV1	34	-29	34.17	54	-19.83	-	-	193	214	V

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

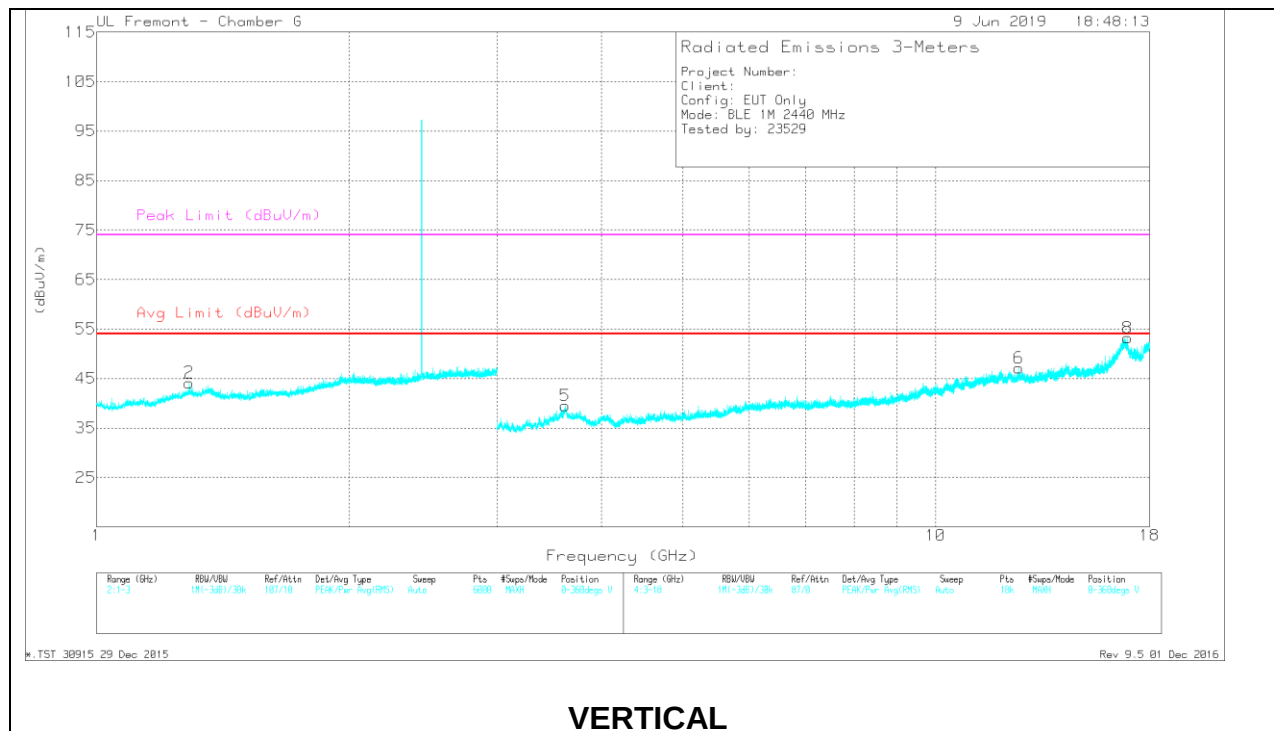
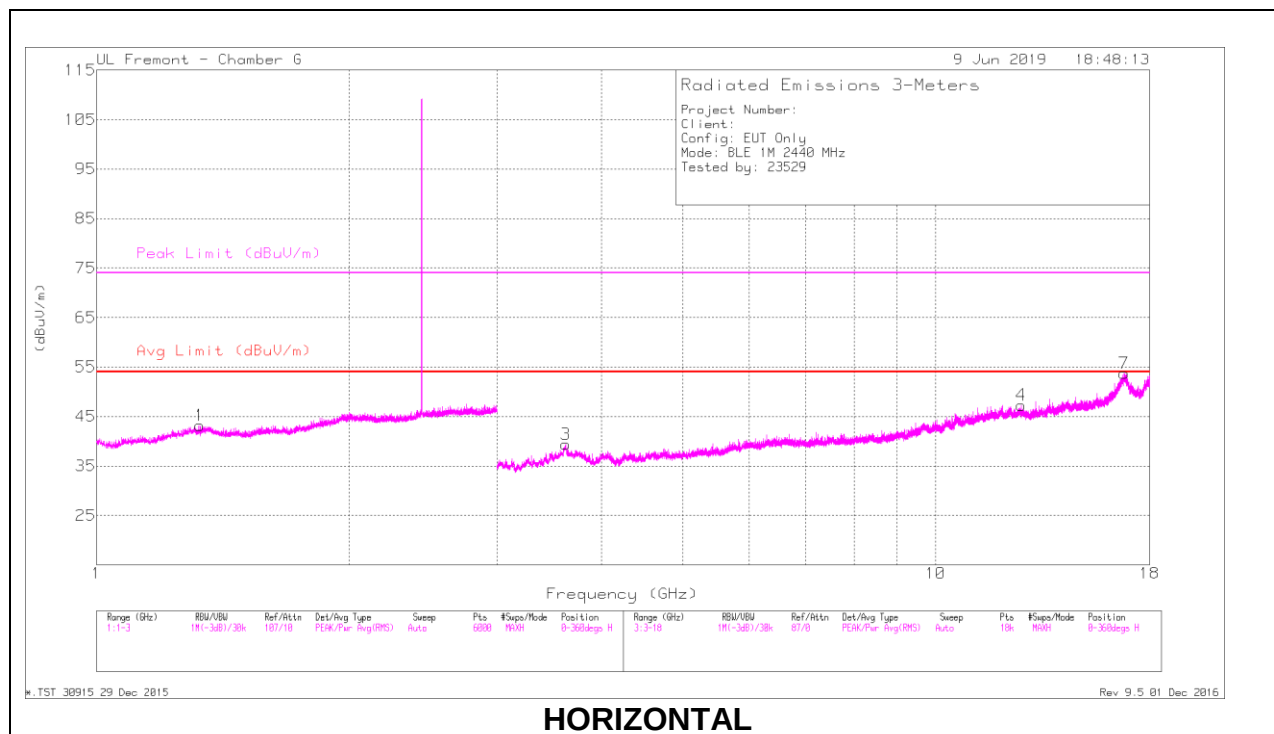
PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

BLE_2402_1Mbps_EPA_UAT.DAT 30915 29 Dec 2015

Rev 9.5 01 Dec 2016

MID CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.329	43.57	PK2	29.6	-23.4	49.77	-	-	74	-24.23	226	197	H
	* 1.326	31.87	MAV1	29.7	-23.4	38.17	54	-15.83	-	-	226	197	H
2	* 1.291	43.73	PK2	29.9	-23.5	50.13	-	-	74	-23.87	103	173	V
	* 1.292	32.27	MAV1	29.9	-23.5	38.67	54	-15.33	-	-	103	173	V
3	* 3.625	39.98	PK2	35.5	-29.8	45.68	-	-	74	-28.32	127	137	H
	* 3.627	29.3	MAV1	35.3	-29.8	34.80	54	-19.20	-	-	127	137	H
4	* 12.659	36.95	PK2	39.7	-23	53.65	-	-	74	-20.35	168	199	H
	* 12.659	25.87	MAV1	39.7	-23	42.57	54	-11.43	-	-	168	199	H
5	* 3.619	41.59	PK2	35.7	-30	47.29	-	-	74	-26.71	276	224	V
	* 3.619	29.89	MAV1	35.7	-30.1	35.49	54	-18.51	-	-	276	224	V
6	* 12.563	36.18	PK2	39.7	-22.6	53.28	-	-	74	-20.72	158	257	V
	* 12.560	25.33	MAV1	39.7	-22.6	42.43	54	-11.57	-	-	158	257	V
7	16.790	35.8	PK2	41.7	-17.4	60.10	-	-	-	-	63	382	H
8	16.949	36.03	PK2	41.7	-17.9	59.83	-	-	-	-	300	202	V

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

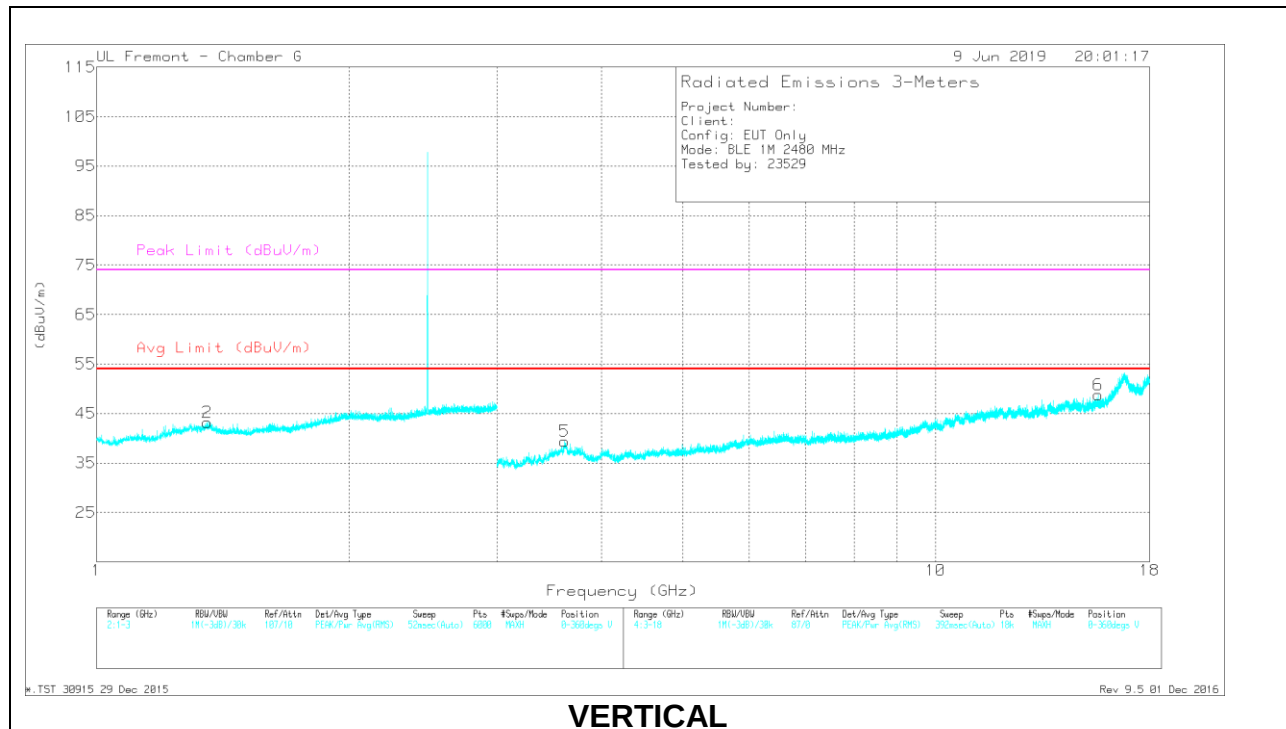
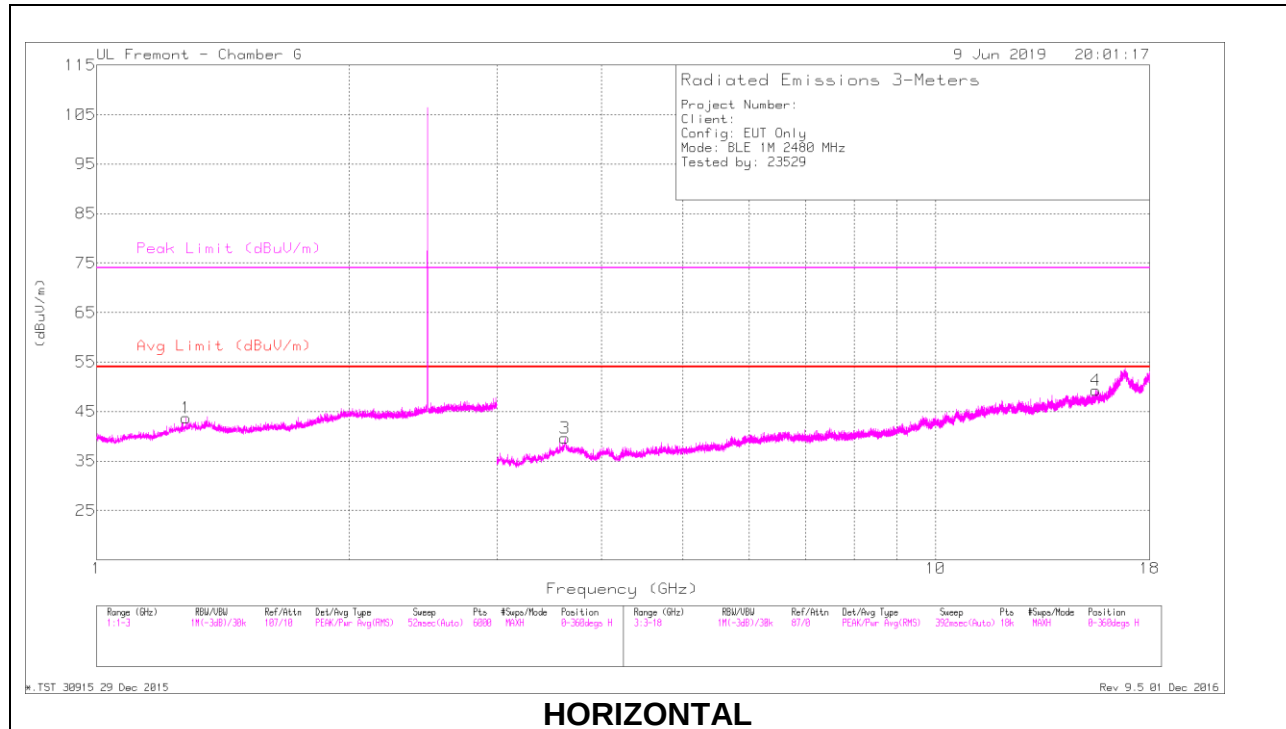
PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

*.TST 30915 29 Dec 2015

Rev 9.5 01 Dec 2016

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	* 1.278	43.83	PK2	29.8	-23.6	50.03	-	-	74	-23.97	53	136	H
	* 1.279	31.99	MAv1	29.8	-23.6	38.19	54	-15.81	-	-	53	136	H
2	* 1.357	44.24	PK2	30	-23.3	50.94	-	-	74	-23.06	169	287	V
	* 1.355	32.41	MAv1	30	-23.3	39.11	54	-14.89	-	-	169	287	V
3	* 3.615	40.75	PK2	35.6	-30.1	46.25	-	-	74	-27.75	283	130	H
	* 3.614	29.6	MAv1	35.5	-30.2	34.90	54	-19.1	-	-	283	130	H
4	* 15.534	37.28	PK2	40.9	-22.8	55.38	-	-	74	-18.62	252	197	H
	* 15.533	26.71	MAv1	40.9	-22.8	44.81	54	-9.19	-	-	252	197	H
5	* 3.614	40.99	PK2	35.5	-30.2	46.29	-	-	74	-27.71	182	243	V
	* 3.614	30.1	MAv1	35.4	-30.2	35.30	54	-18.7	-	-	182	243	V
6	* 15.622	37.91	PK2	40.9	-23	55.81	-	-	74	-18.19	172	215	V
	* 15.622	26	MAv1	40.9	-23	43.90	54	-10.1	-	-	172	215	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

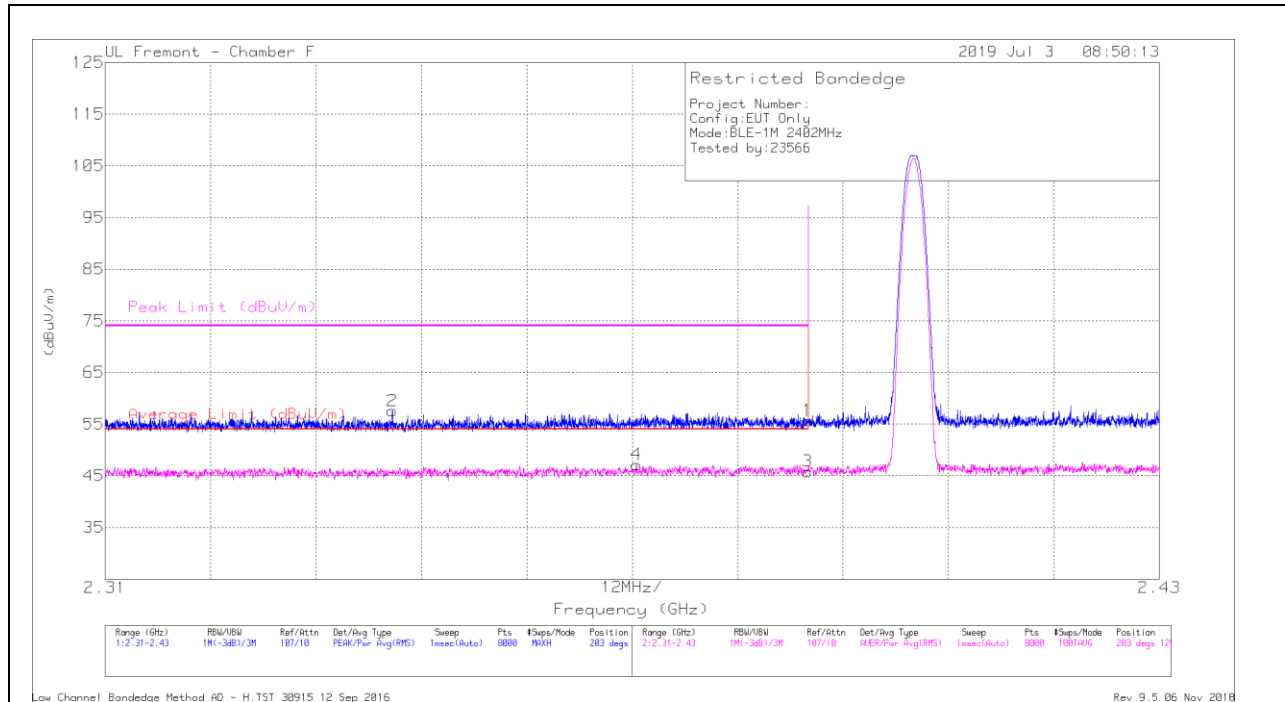
*,TST 30915 29 Dec 2015

Rev 9.5 01 Dec 2016

Antenna 3

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	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	* 2.390	38.17	Pk	32	-14.5	55.67	-	-	74	-18.33	203	129	H
2	* 2.343	40.45	Pk	31.6	-14.5	57.55	-	-	74	-16.45	203	129	H
3	* 2.390	28.33	RMS	32	-14.5	45.83	54	-8.17	-	-	203	129	H
4	* 2.370	29.76	RMS	31.9	-14.5	47.16	54	-6.84	-	-	203	129	H

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

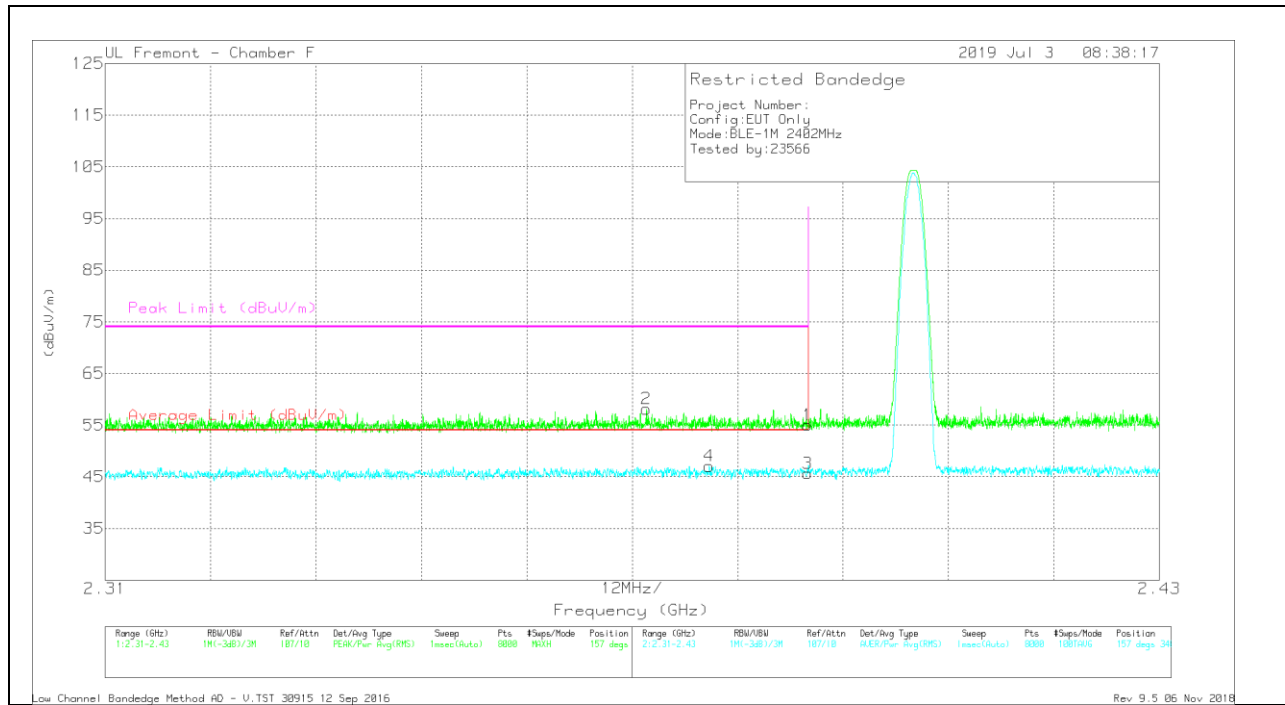
Pk - Peak detector

RMS - RMS detection

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

Rev 9.5 06 Nov 2018

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dBm)	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	* 2.390	37.51	Pk	32	-14.5	55.01	-	-	74	-18.99	157	340	V
2	* 2.372	40.73	Pk	31.9	-14.5	58.13	-	-	74	-15.87	157	340	V
3	* 2.390	28.13	RMS	32	-14.5	45.63	54	-8.37	-	-	157	340	V
4	* 2.379	29.56	RMS	31.9	-14.4	47.06	54	-6.94	-	-	157	340	V

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

Pk - Peak detector

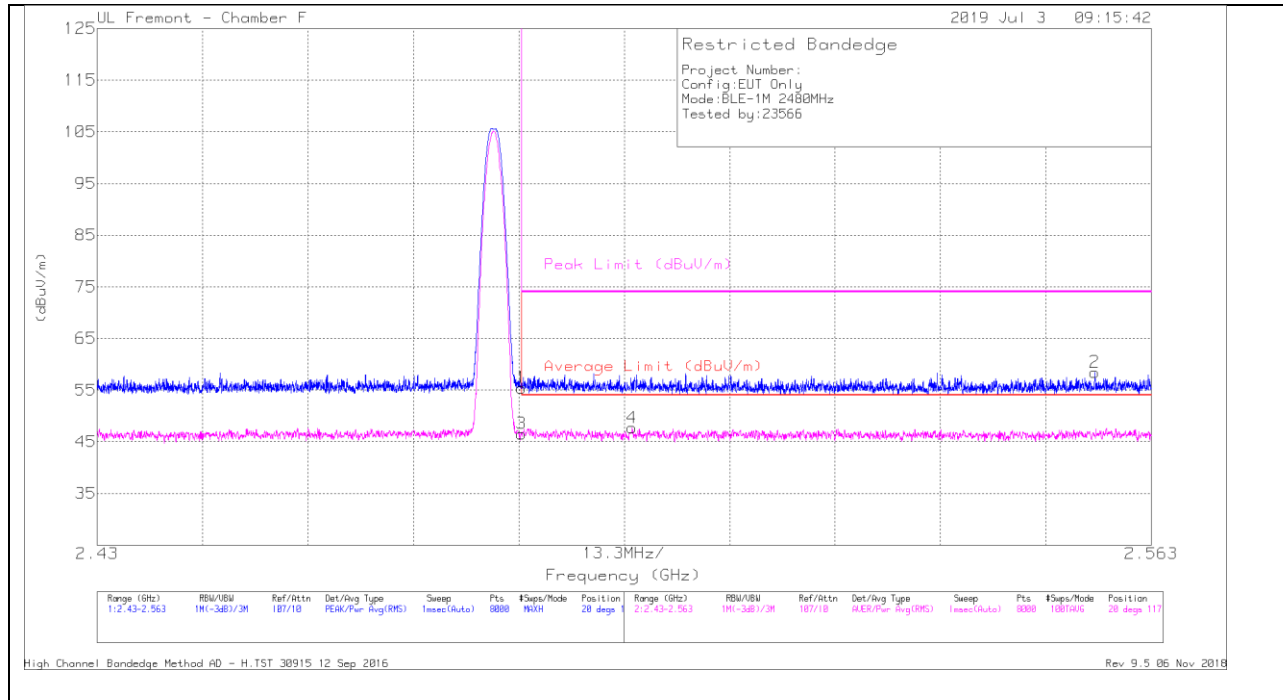
RMS - RMS detection

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

Rev 9.5 06 Nov 2018

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Ampl/Cbl/Filtr /Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	37.75	Pk	32.4	-14.7	55.45	-	-	74	-18.55	20	117	H
2	2.556	40.66	Pk	32.3	-14.5	58.46	-	-	74	-15.54	20	117	H
3	* 2.484	28.86	RMS	32.4	-14.7	46.56	54	-7.44	-	-	20	117	H
4	* 2.497	30.09	RMS	32.4	-14.8	47.69	54	-6.31	-	-	20	117	H

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

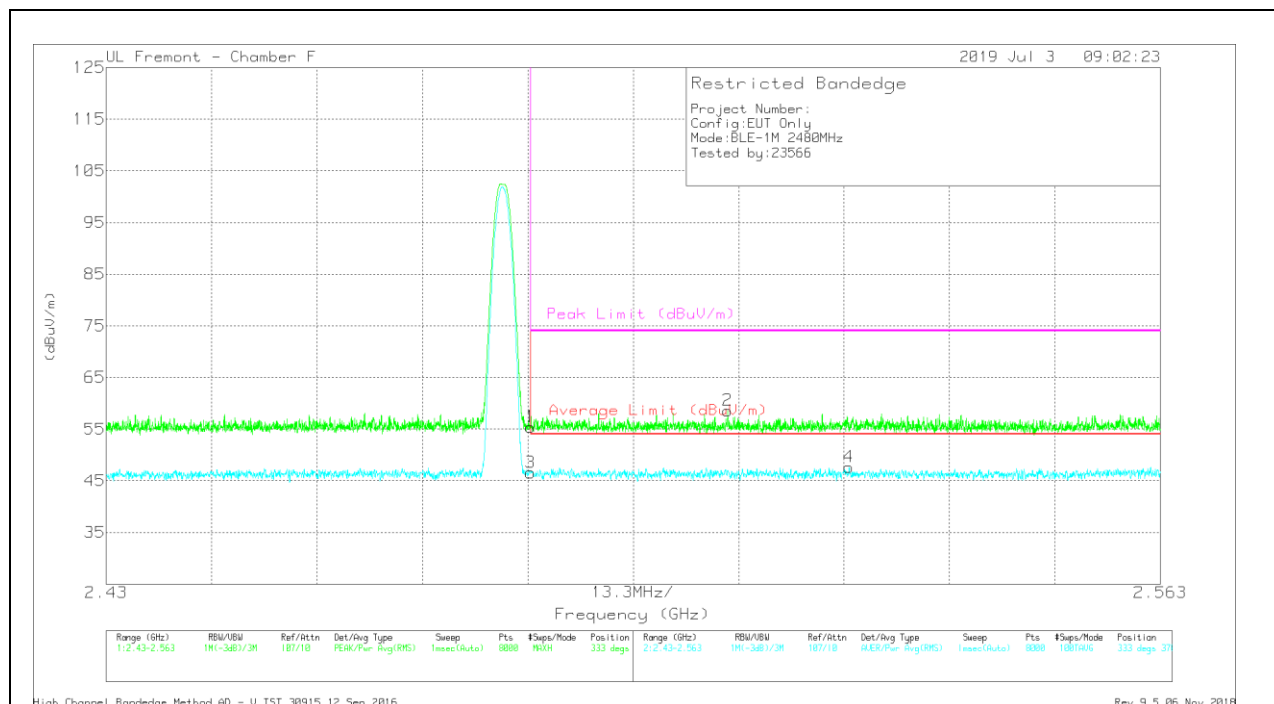
Pk - Peak detector

RMS - RMS detection

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

Rev 9.5 06 Nov 2018

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dBm)	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	37.70	Pk	32.4	-14.7	55.4	-	-	74	-18.60	333	370	V
2	2.508	41.00	Pk	32.4	-14.8	58.6	-	-	74	-15.40	333	370	V
3	* 2.484	28.88	RMS	32.4	-14.7	46.58	54	-7.42	-	-	333	370	V
4	2.524	29.76	RMS	32.4	-14.5	47.66	54	-6.34	-	-	333	370	V

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

Pk - Peak detector

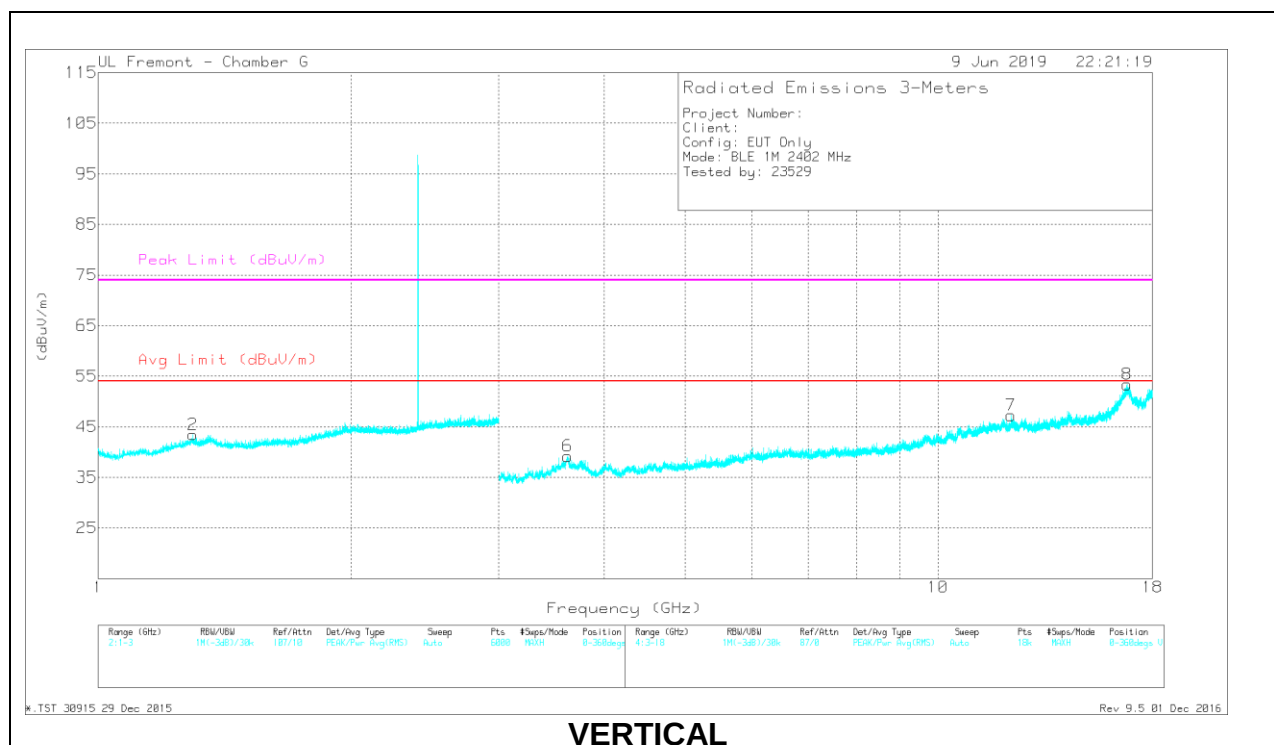
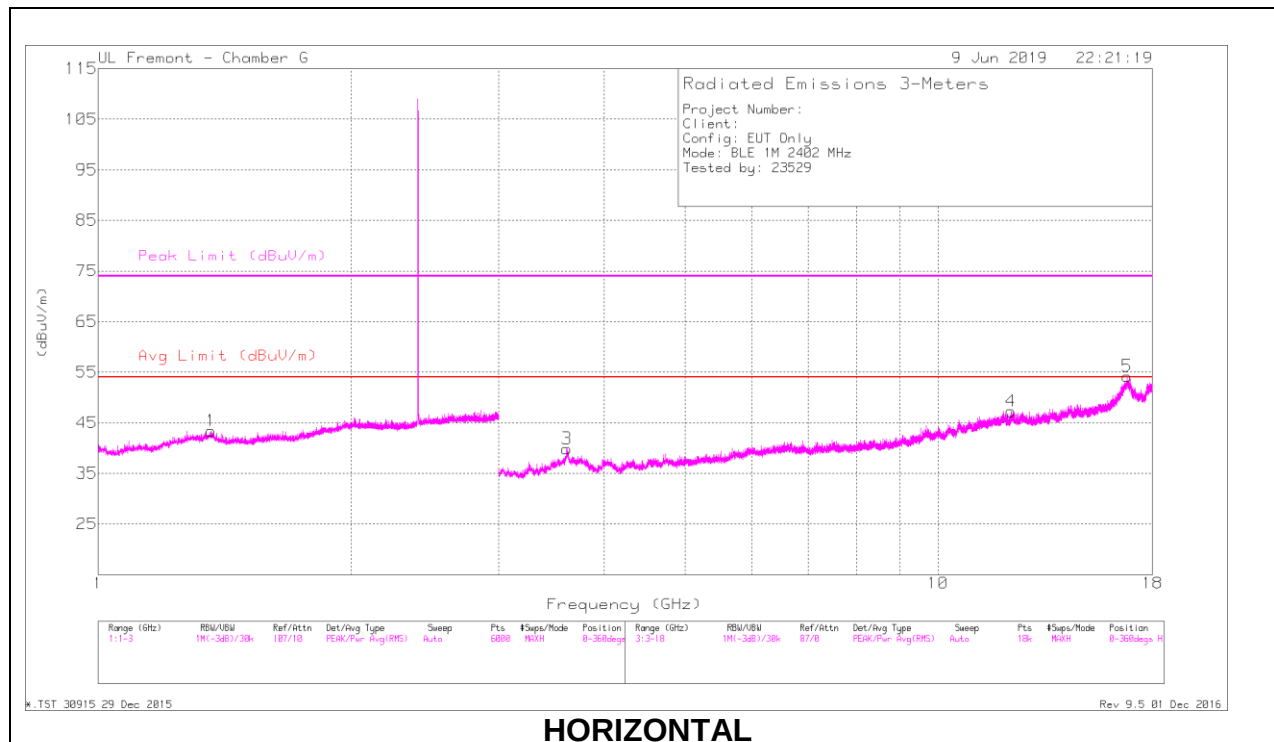
RMS - RMS detection

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

Rev 9.5 06 Nov 2018

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	* 1.362	43.73	PK2	30	-23.2	50.53	-	-	74	-23.47	101	139	H
	* 1.364	31.78	MAV1	30	-23.2	38.58	54	-15.42	-	-	101	139	H
2	* 1.298	43.84	PK2	29.7	-23.5	50.04	-	-	74	-23.96	12	197	V
	* 1.298	32.22	MAV1	29.7	-23.5	38.42	54	-15.58	-	-	12	197	V
3	* 3.615	40.22	PK2	35.5	-30.2	45.52	-	-	74	-28.48	78	126	H
	* 3.613	29.05	MAV1	35.4	-30.2	34.25	54	-19.75	-	-	78	126	H
4	* 12.225	36.51	PK2	39.5	-22.3	53.71	-	-	74	-20.29	183	202	H
	* 12.226	25.59	MAV1	39.5	-22.3	42.79	54	-11.21	-	-	183	202	H
6	* 3.622	40.16	PK2	35.7	-29.9	45.96	-	-	74	-28.04	155	184	V
	* 3.620	28.99	MAV1	35.7	-30	34.69	54	-19.31	-	-	155	184	V
7	* 12.216	36.13	PK2	39.5	-22.5	53.13	-	-	74	-20.87	260	148	V
	* 12.219	24.86	MAV1	39.5	-22.4	41.96	54	-12.04	-	-	260	148	V
5	16.793	37.23	PK2	41.7	-17.4	61.53	-	-	-	-	260	102	H
8	16.793	35.23	PK2	41.7	-17.4	59.53	-	-	-	-	260	102	V

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

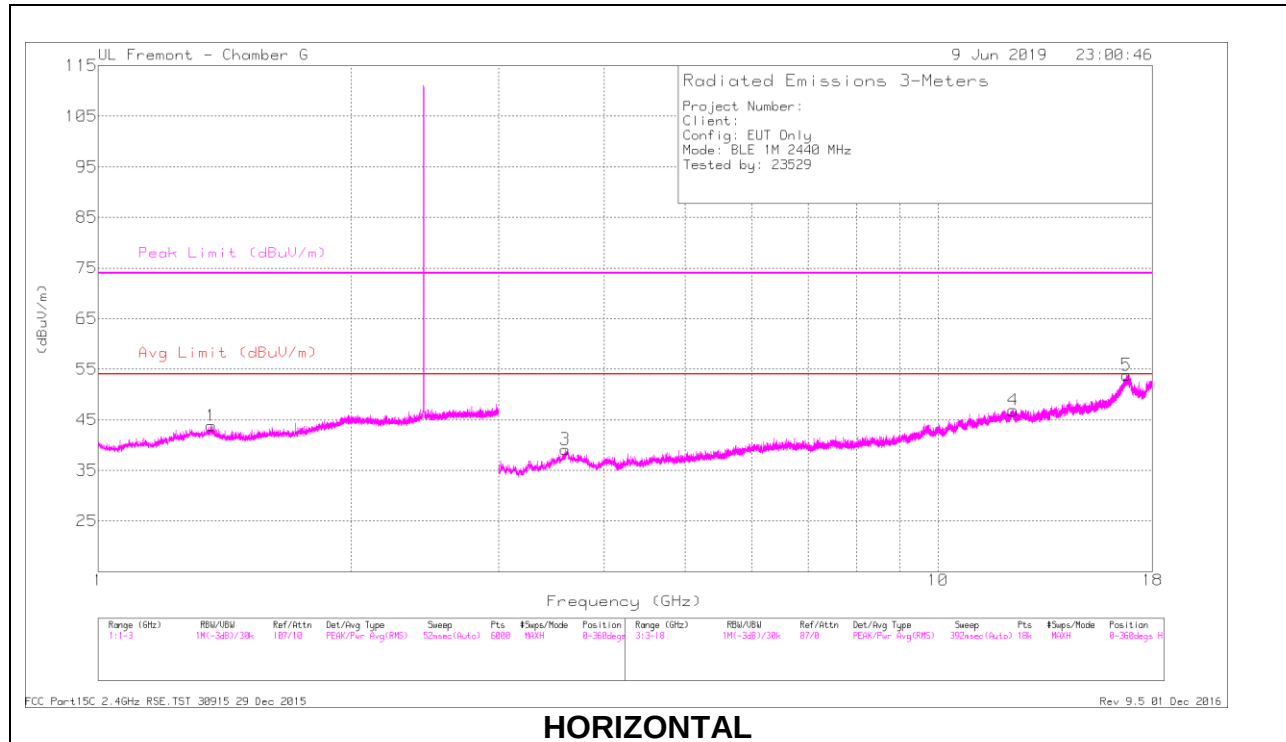
PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

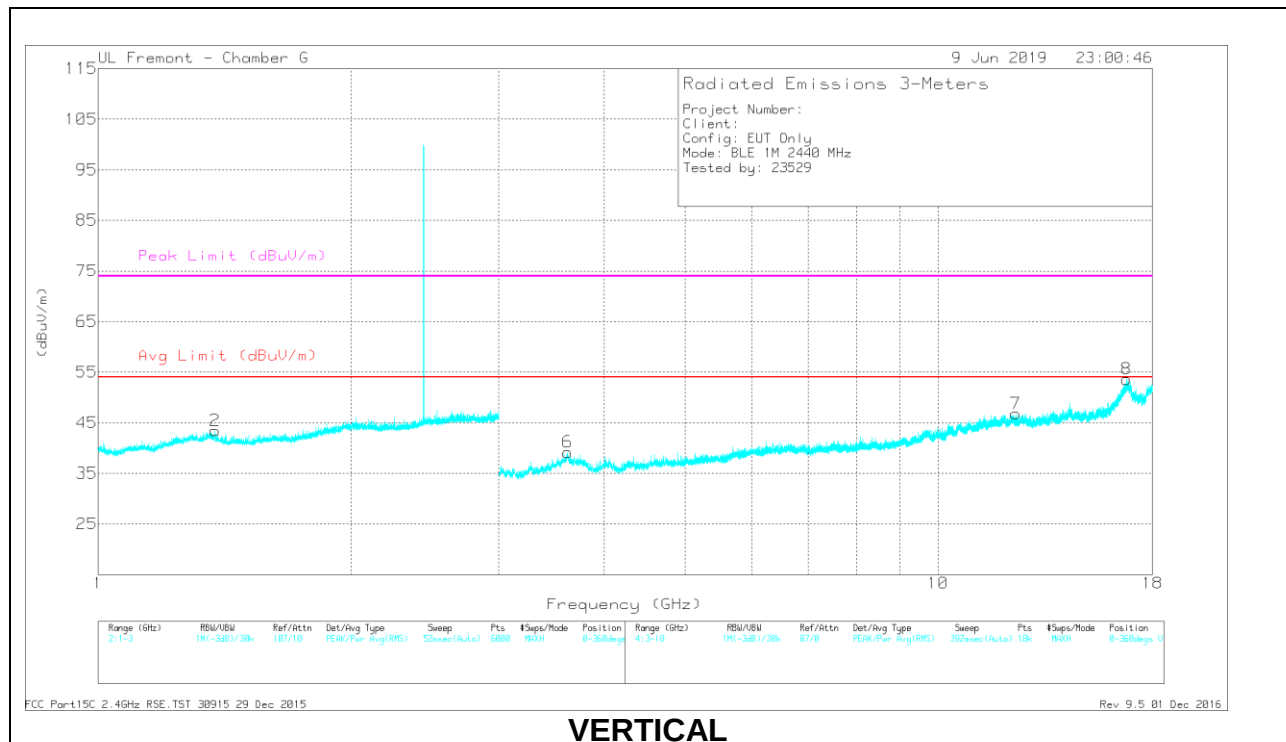
*.TST 30915 29 Dec 2015

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MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

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	* 1.363	43.05	PK2	30	-23.2	49.85	-	-	74	-24.15	258	129	H
	* 1.364	31.71	MAV1	30	-23.2	38.51	54	-15.49	-	-	258	129	H
2	* 1.378	43.36	PK2	29.6	-23.1	49.86	-	-	74	-24.14	215	200	V
	* 1.376	31.81	MAV1	29.6	-23.2	38.21	54	-15.79	-	-	215	200	V
3	* 3.600	41.24	PK2	35.1	-30.5	45.84	-	-	74	-28.16	103	125	H
	* 3.600	29.44	MAV1	35.1	-30.5	34.04	54	-19.96	-	-	103	125	H
4	* 12.290	38.15	PK2	39.5	-22.3	55.35	-	-	74	-18.65	139	110	H
	* 12.290	25.61	MAV1	39.5	-22.3	42.81	54	-11.19	-	-	139	110	H
6	* 3.625	40.32	PK2	35.4	-29.8	45.92	-	-	74	-28.08	231	160	V
	* 3.626	29.22	MAV1	35.4	-29.8	34.82	54	-19.18	-	-	231	160	V
7	* 12.380	36.67	PK2	39.6	-23.4	52.87	-	-	74	-21.13	39	214	V
	* 12.376	25.88	MAV1	39.6	-23.5	41.98	54	-12.02	-	-	39	214	V
8	16.769	36.23	PK2	41.8	-18.0	60.03	-	-	-	-	233	153	V
5	16.781	36.24	PK2	41.8	-17.6	60.44	-	-	-	-	176	203	H

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

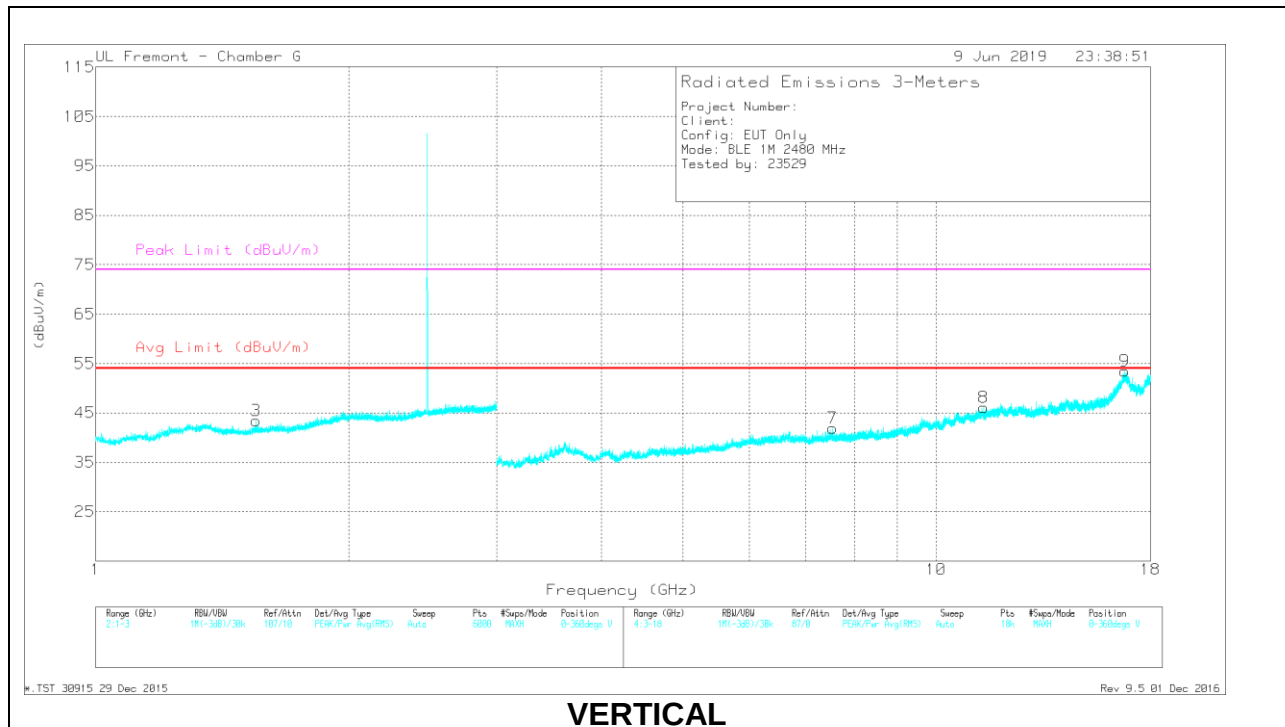
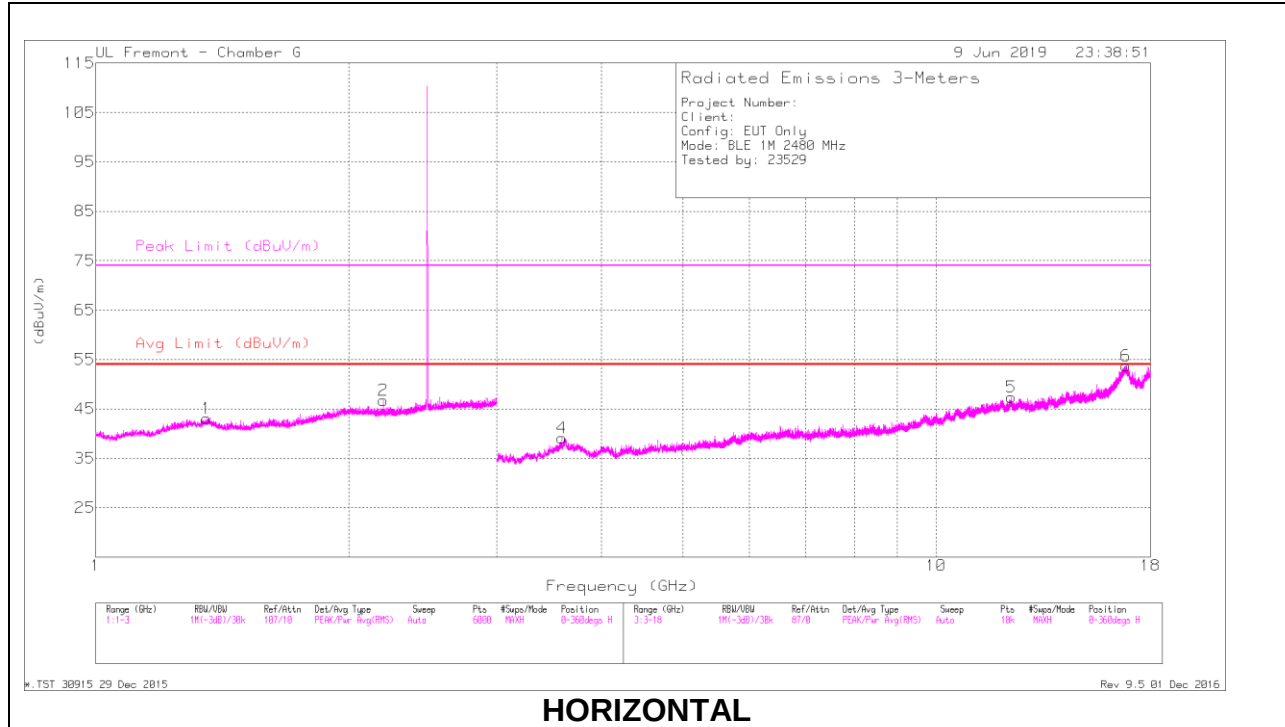
PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

FCC Part15C 2.4GHz RSE.TST 30915 29 Dec 2015

Rev 9.5 01 Dec 2016

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	* 1.358	43.54	PK2	29.9	-23.3	50.14	-	-	74	-23.86	356	105	H
	* 1.356	32.06	MAv1	30	-23.3	38.76	54	-15.24	-	-	356	105	H
3	* 1.55	42.49	PK2	27.9	-21.5	48.89	-	-	74	-25.11	237	140	V
	* 1.551	31.23	MAv1	27.9	-21.5	37.63	54	-16.37	-	-	237	140	V
4	* 3.589	40.65	PK2	35.1	-30.6	45.15	-	-	74	-28.85	44	120	H
	* 3.589	29.47	MAv1	35.1	-30.5	34.07	54	-19.93	-	-	44	120	H
5	* 12.292	36.69	PK2	39.5	-22.4	53.79	-	-	74	-20.21	86	136	H
	* 12.292	25.52	MAv1	39.5	-22.4	42.62	54	-11.38	-	-	86	136	H
7	* 7.531	38.68	PK2	36.1	-27.0	47.78	-	-	74	-26.22	223	177	V
	* 7.532	27.74	MAv1	36.1	-27.0	36.84	54	-17.16	-	-	223	177	V
8	* 11.404	36.54	PK2	38.8	-23.3	52.04	-	-	74	-21.96	85	202	V
	* 11.403	25.57	MAv1	38.8	-23.2	41.17	54	-12.83	-	-	85	202	V
9	16.774	25.25	MAv1	41.8	-17.8	49.25	-	-	-	-	103	179	V
	16.775	36.34	PK2	41.8	-17.8	60.34	-	-	-	-	103	179	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

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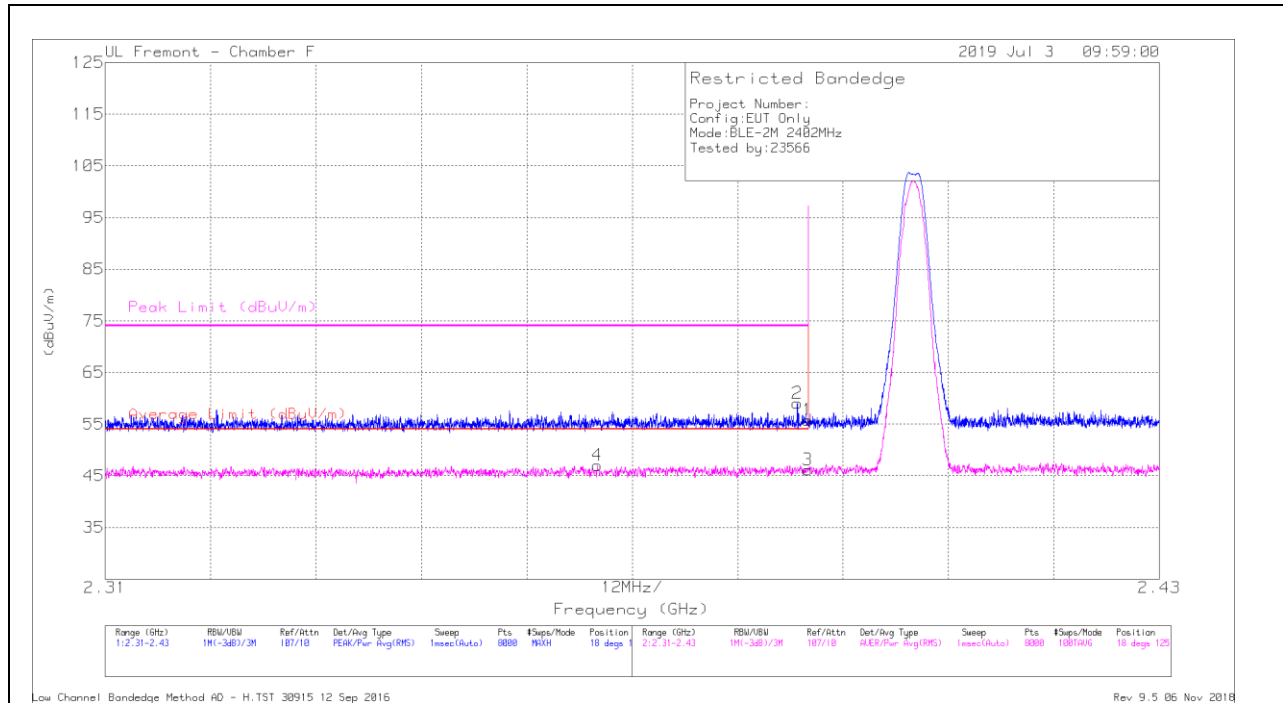
Rev 9.5 01 Dec 2016

9.2.2 High Power BLE (2Mbps)

Antenna 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dBm)	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	* 2.390	38.31	Pk	32	-14.5	55.81	-	-	74	-18.19	18	125	H
2	* 2.389	41.54	Pk	32	-14.5	59.04	-	-	74	-14.96	18	125	H
3	* 2.390	28.64	RMS	32	-14.5	46.14	54	-7.86	-	-	18	125	H
4	* 2.366	29.63	RMS	31.8	-14.4	47.03	54	-6.97	-	-	18	125	H

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

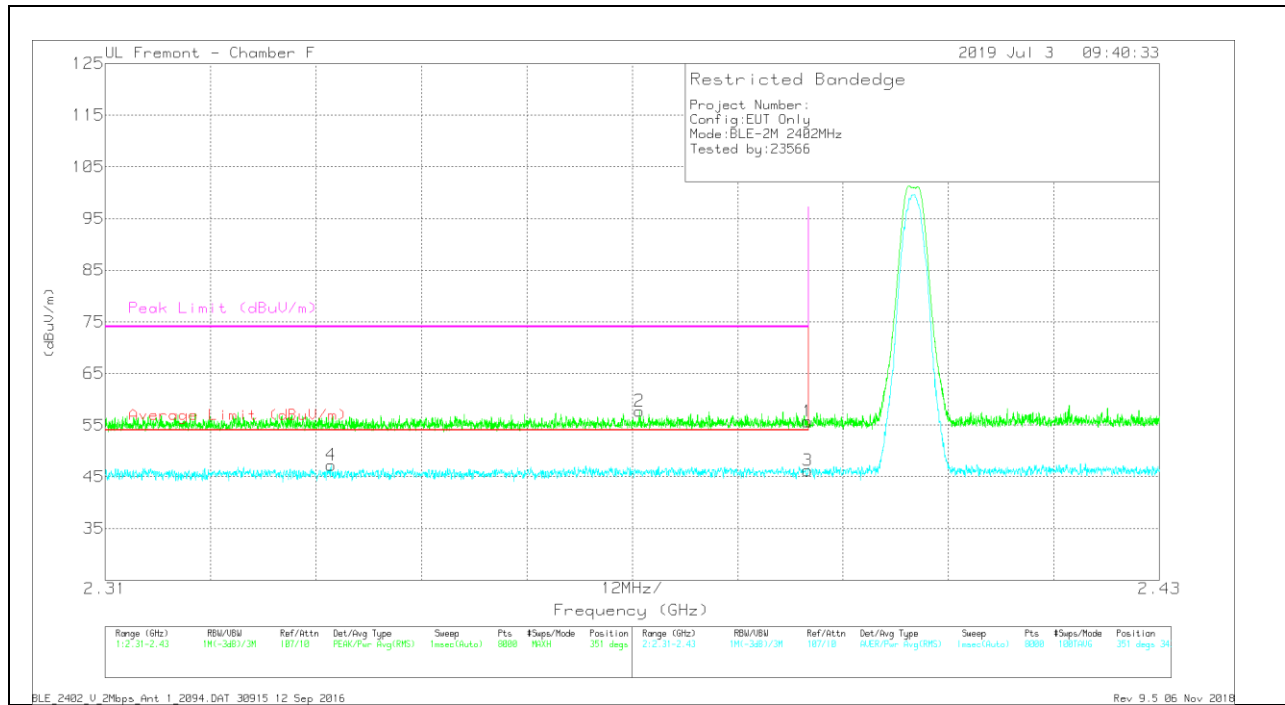
Pk - Peak detector

RMS - RMS detection

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

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VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dBm)	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	* 2.390	38.22	Pk	32	-14.5	55.72	-	-	74	-18.28	351	343	V
2	* 2.371	40.31	Pk	31.9	-14.5	57.71	-	-	74	-16.29	351	343	V
3	* 2.390	28.71	RMS	32	-14.5	46.21	54	-7.79	-	-	351	343	V
4	* 2.336	30.17	RMS	31.6	-14.5	47.27	54	-6.73	-	-	351	343	V

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

Pk - Peak detector

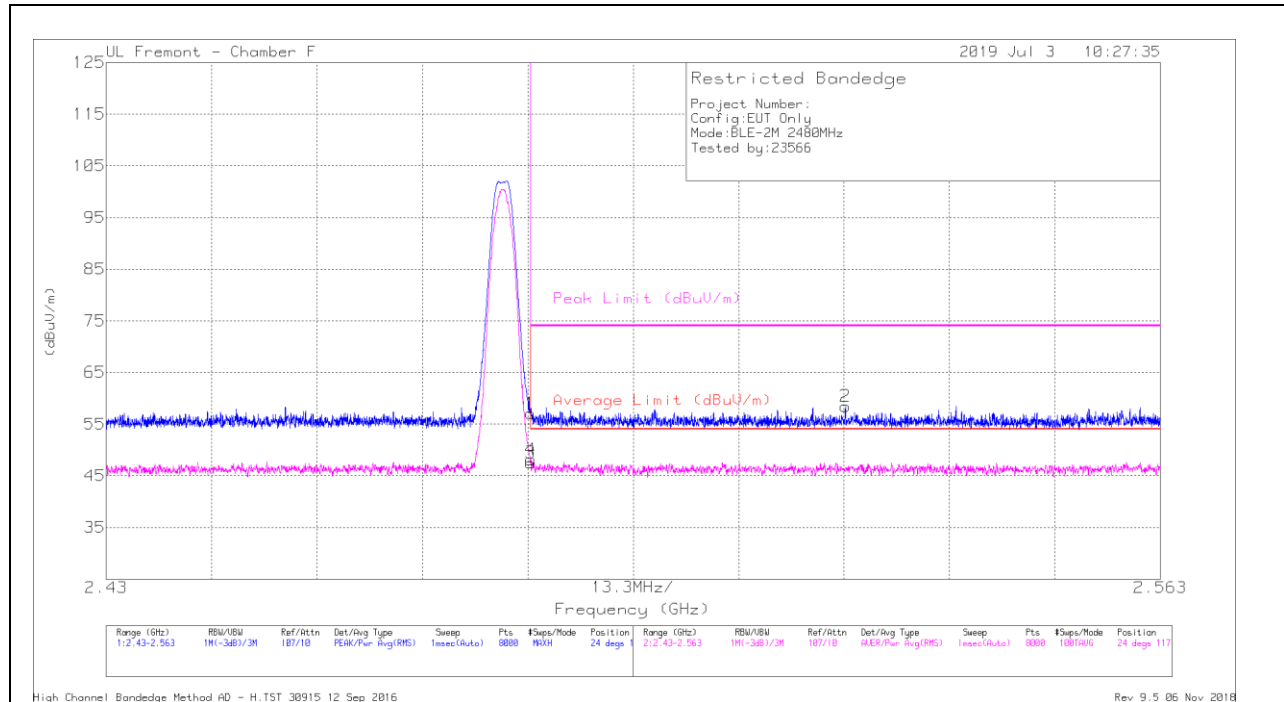
RMS - RMS detection

BLE_2402_V_2Mbps_Ant 4_2094.DAT 30915 12 Sep 2016

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BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dBm)	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	39.36	Pk	32.4	-14.7	57.06	-	-	74	-16.94	24	117	H
2	2.523	40.65	Pk	32.3	-14.5	58.45	-	-	74	-15.55	24	117	H
3	* 2.484	29.81	RMS	32.4	-14.7	47.51	54	-6.49	-	-	24	117	H
4	* 2.484	30.46	RMS	32.4	-14.7	48.16	54	-5.84	-	-	24	117	H

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

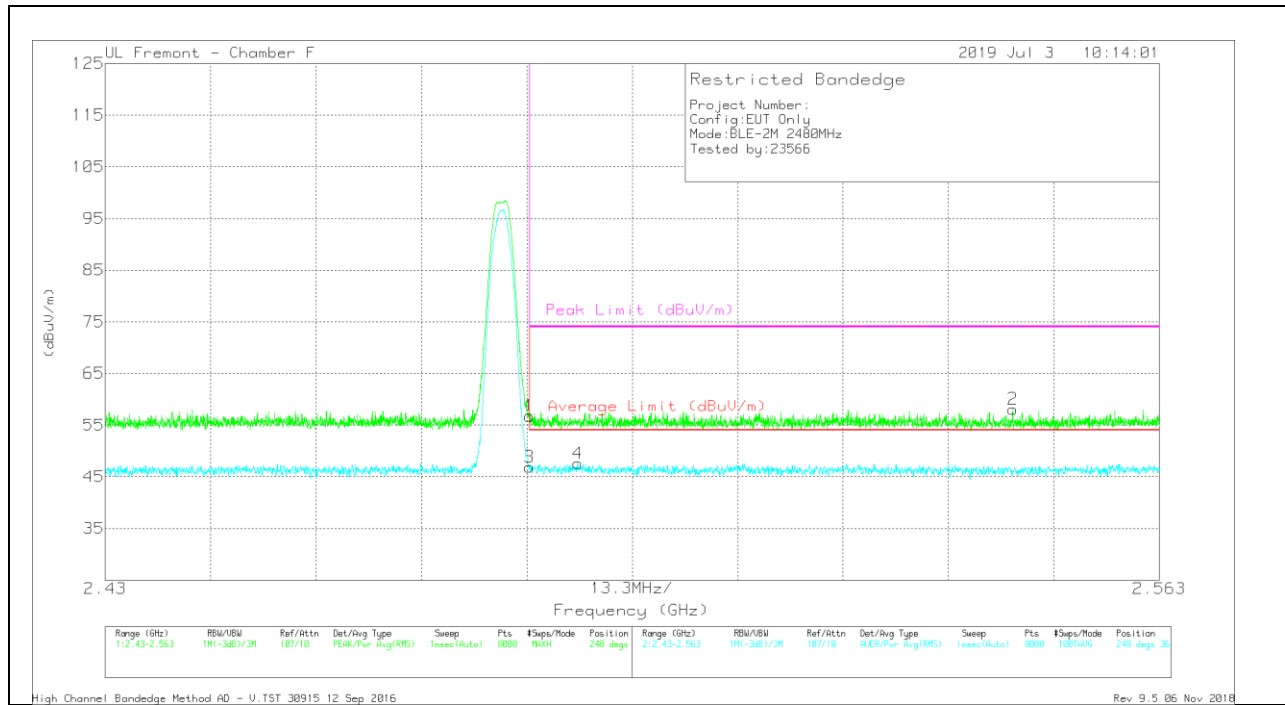
Pk - Peak detector

RMS - RMS detection

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

Rev 9.5 06 Nov 2018

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dBm)	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	39.09	Pk	32.4	-14.7	56.79	-	-	74	-17.21	248	363	V
2	2.545	40.48	Pk	32.3	-14.7	58.08	-	-	74	-15.92	248	363	V
3	* 2.484	29.18	RMS	32.4	-14.7	46.88	54	-7.12	-	-	248	363	V
4	* 2.490	29.88	RMS	32.3	-14.6	47.58	54	-6.42	-	-	248	363	V

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

Pk - Peak detector

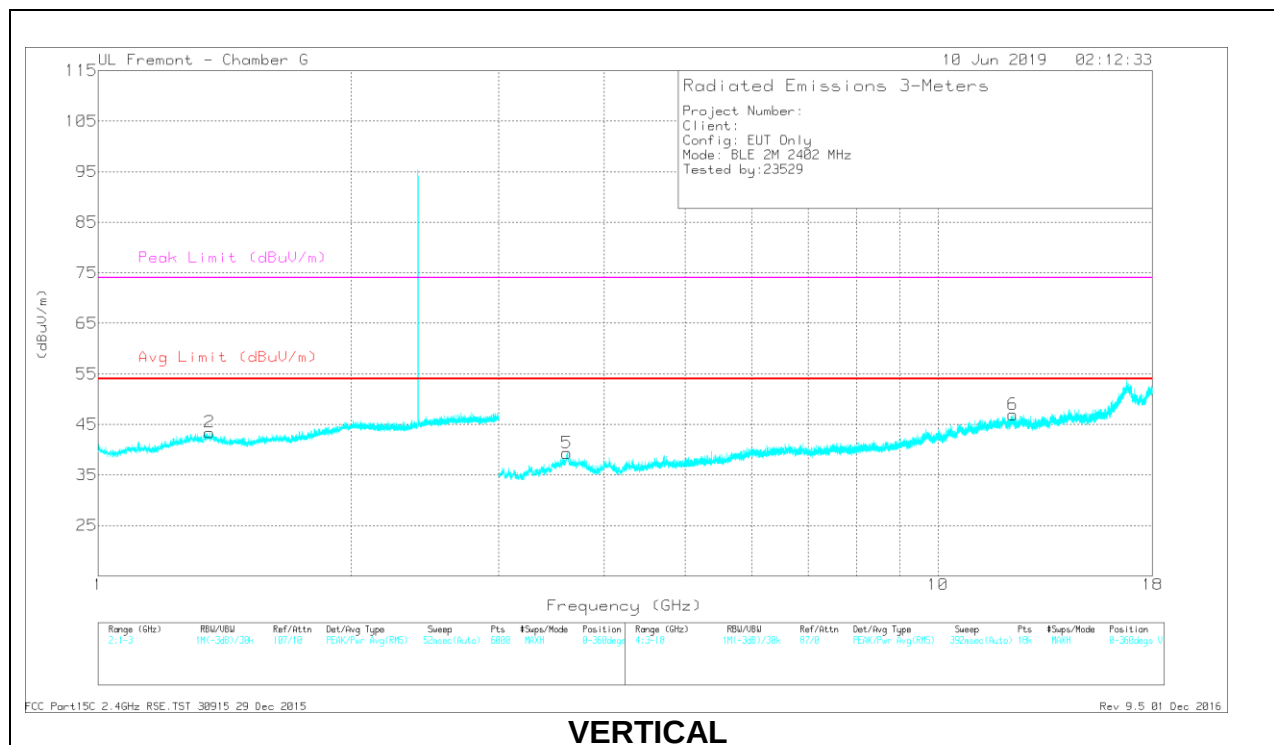
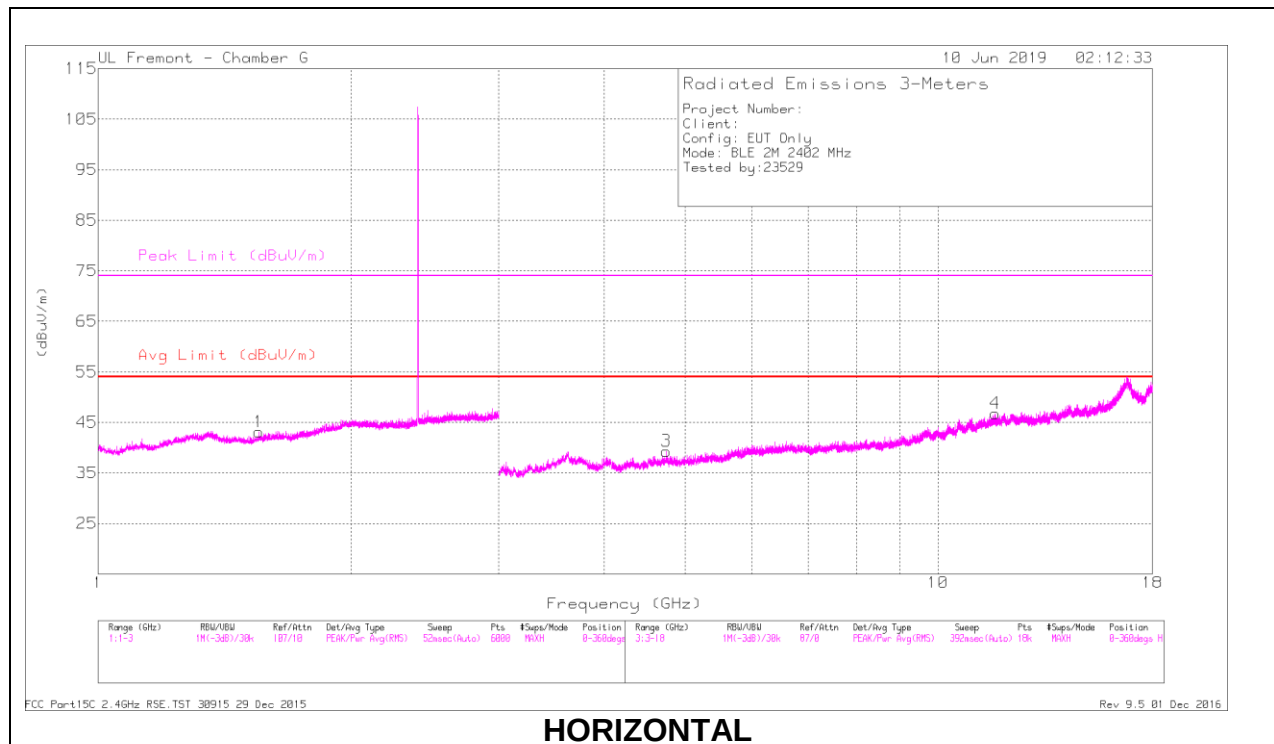
RMS - RMS detection

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

Rev 9.5 06 Nov 2018

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	* 1.555	44.09	PK2	27.9	-21.4	50.59	-	-	74	-23.41	34	187	H
	* 1.555	31.68	MAV1	27.9	-21.4	38.18	54	-15.82	-	-	34	187	H
2	* 1.357	43.91	PK2	30	-23.3	50.61	-	-	74	-23.39	153	143	V
	* 1.358	32.29	MAV1	30	-23.3	38.99	54	-15.01	-	-	153	143	V
3	* 4.751	40.89	PK2	34.2	-29.6	45.49	-	-	74	-28.51	139	198	H
	* 4.748	29.26	MAV1	34.2	-29.6	33.86	54	-20.14	-	-	139	198	H
4	* 11.699	36.57	PK2	39.2	-23	52.77	-	-	74	-21.23	195	233	H
	* 11.695	25.55	MAV1	39.3	-23	41.85	54	-12.15	-	-	195	233	H
5	* 3.616	40.27	PK2	35.6	-30.1	45.77	-	-	74	-28.23	232	193	V
	* 3.613	29.81	MAV1	35.4	-30.2	35.01	54	-18.99	-	-	232	193	V
6	* 12.278	36.15	PK2	39.4	-22.2	53.35	-	-	74	-20.65	82	214	V
	* 12.278	25.15	MAV1	39.4	-22.2	42.35	54	-11.65	-	-	82	214	V

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

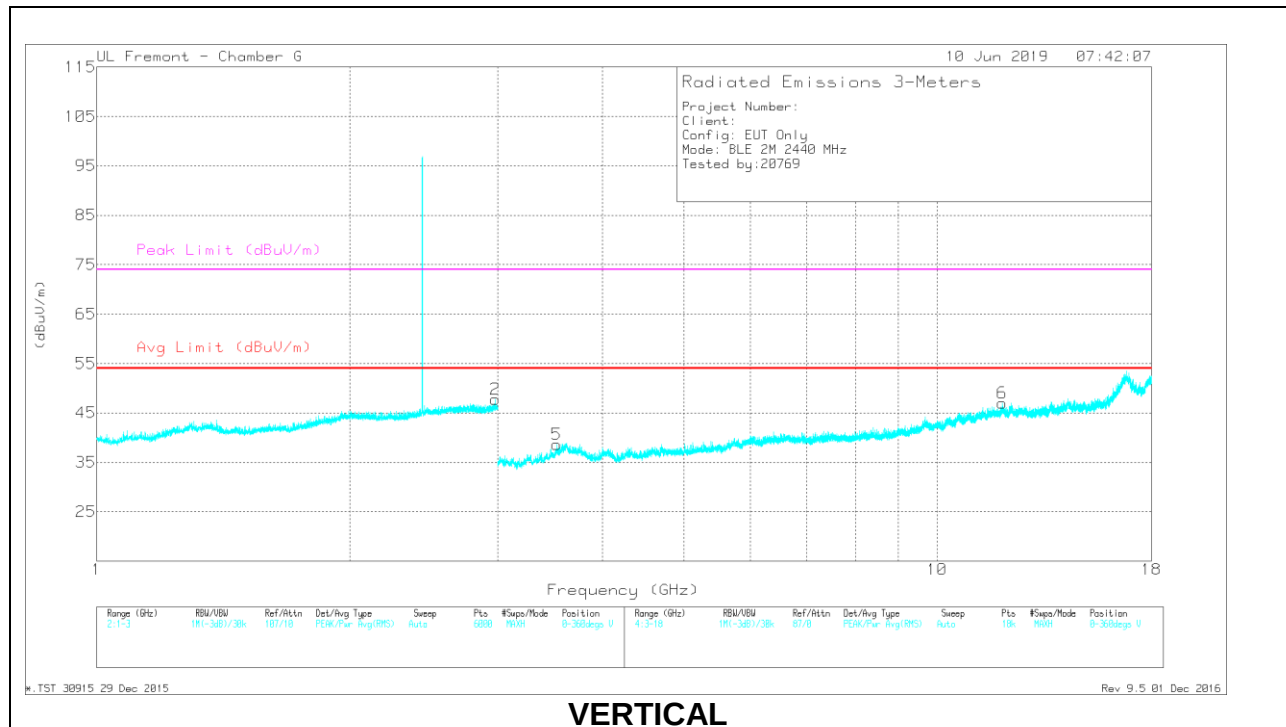
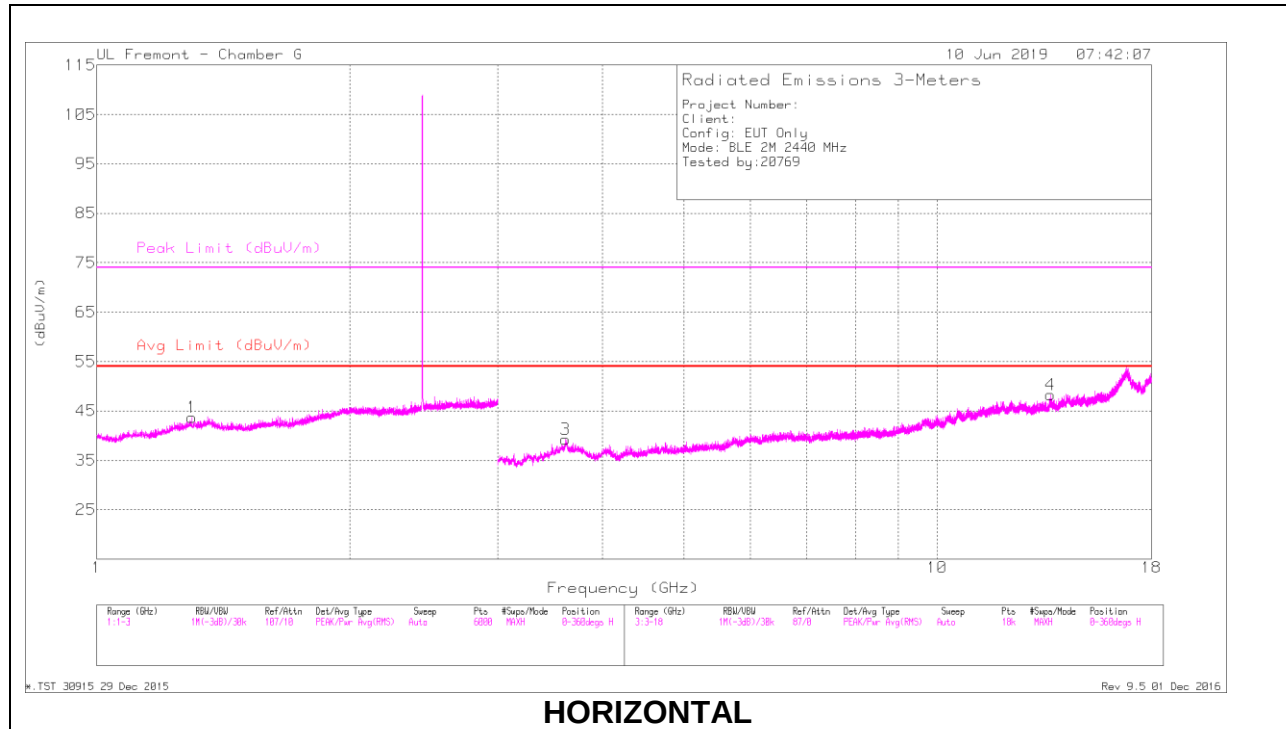
PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

FCC Part15C 2.4GHz RSE.TST 30915 29 Dec 2015

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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	* 1.299	44.1	PK2	29.7	-23.5	50.30	-	-	74	-23.70	264	167	H
	* 1.298	32.04	MAv1	29.7	-23.5	38.24	54	-15.76	-	-	264	167	H
3	* 3.609	41.31	PK2	35.1	-30.3	46.11	-	-	74	-27.89	51	310	H
	* 3.612	29.43	MAv1	35.3	-30.2	34.53	54	-19.47	-	-	51	310	H
5	* 3.525	41.58	PK2	35	-30.5	46.08	-	-	74	-27.92	70	167	V
	* 3.524	29.48	MAv1	35	-30.5	33.98	54	-20.02	-	-	70	167	V
6	* 11.950	35.97	PK2	39.5	-22	53.47	-	-	74	-20.53	214	123	V
	* 11.950	24.17	MAv1	39.5	-22	41.67	54	-12.33	-	-	214	123	V
2	2.980	43.1	PK2	32.7	-21.6	54.20	-	-	-	-	228	302	V
	2.981	30.4	MAv1	32.8	-21.6	41.60	-	-	-	-	228	302	V
4	13.657	37.7	PK2	39.4	-23.1	54.00	-	-	-	-	217	269	H
	13.657	25.92	MAv1	39.4	-23.1	42.22	-	-	-	-	217	269	H

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

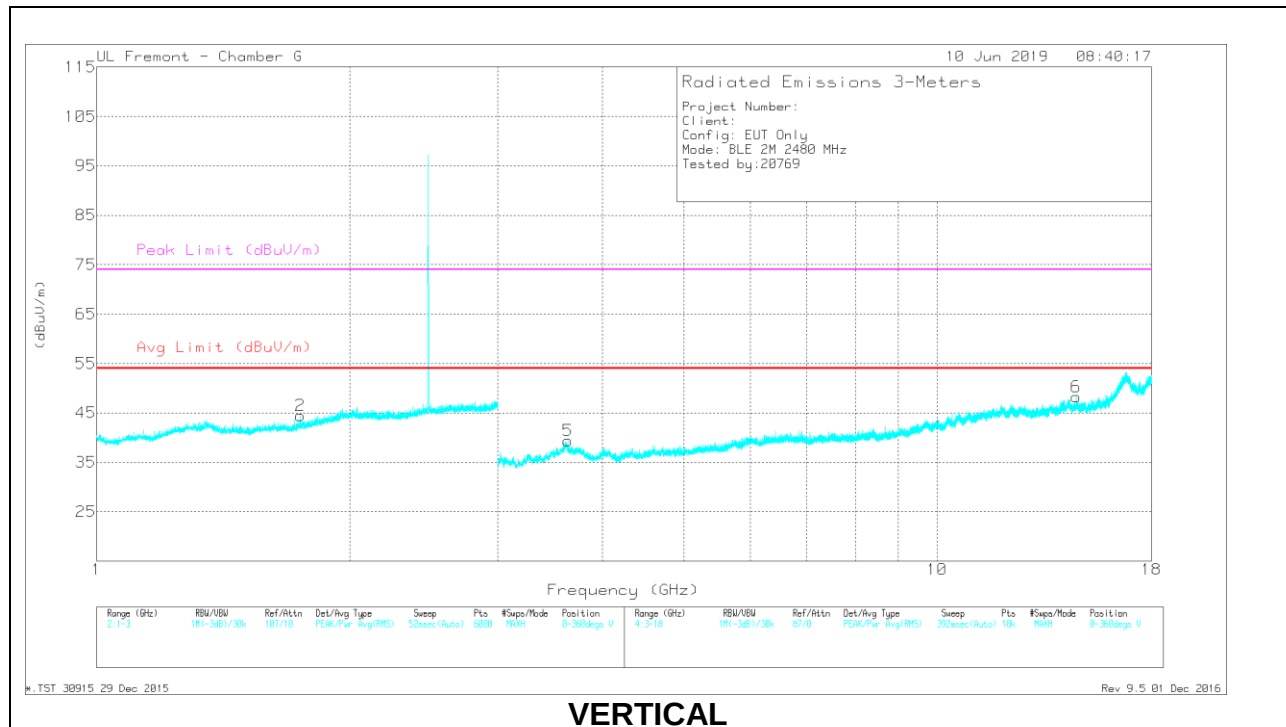
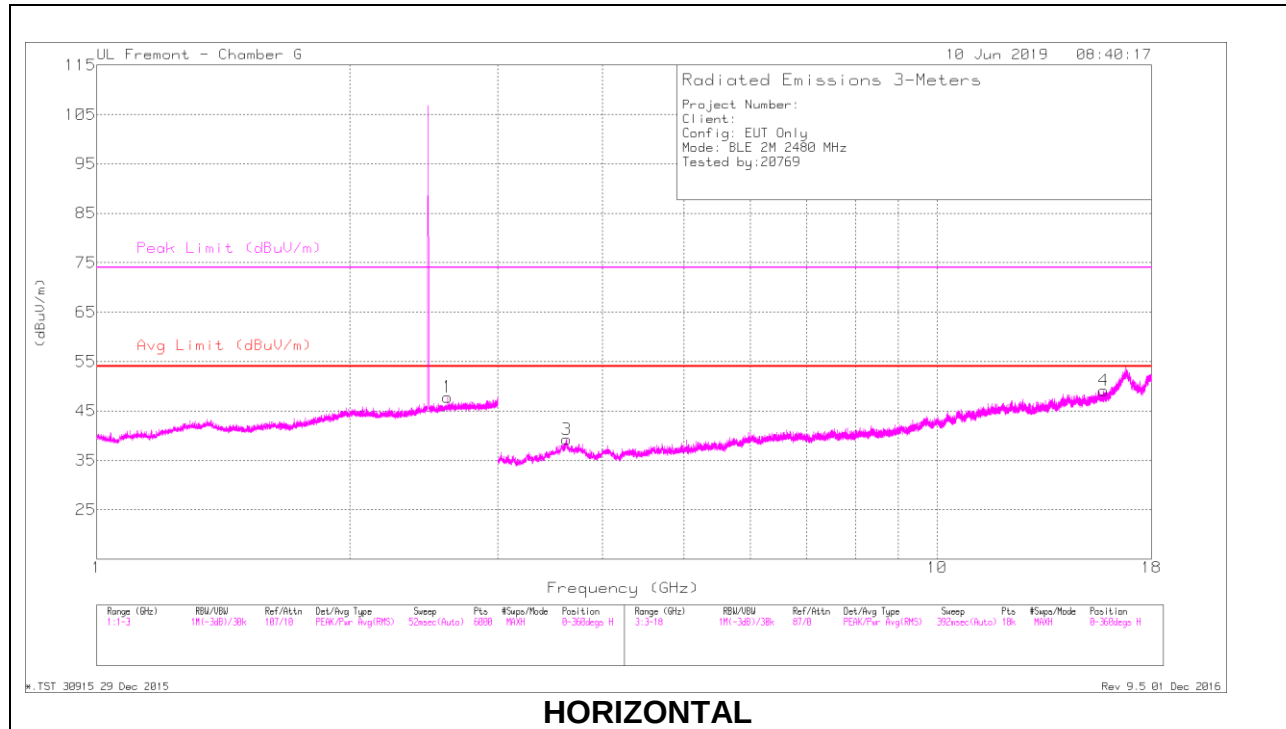
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

*,TST 30915 29 Dec 2015

Rev 9.5 01 Dec 2016

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
3	* 3.621	40.59	PK2	35.7	-30	46.29	-	-	74	-27.71	146	370	H
	* 3.622	29.37	MAv1	35.6	-29.9	35.07	54	-18.93	-	-	146	370	H
4	* 15.793	37.4	PK2	40.8	-22.8	55.40	-	-	74	-18.60	266	160	H
	* 15.791	25.86	MAv1	40.8	-22.8	43.86	54	-10.14	-	-	266	160	H
5	* 3.636	40.17	PK2	34.8	-29.6	45.37	-	-	74	-28.63	59	302	V
	* 3.637	28.53	MAv1	34.8	-29.6	33.73	54	-20.27	-	-	59	302	V
2	1.747	43.57	PK2	29.5	-22.1	50.97	-	-	-	-	116	312	V
	1.749	31.17	MAv1	29.5	-22.2	38.47	-	-	-	-	116	312	V
1	2.615	42.98	PK2	32.6	-22	53.58	-	-	-	-	293	309	H
	2.617	30.84	MAv1	32.6	-22	41.44	-	-	-	-	293	309	H
6	14.657	37.42	PK2	40.5	-23.7	54.22	-	-	-	-	262	295	V
	14.657	25.61	MAv1	40.5	-23.7	42.41	-	-	-	-	262	295	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

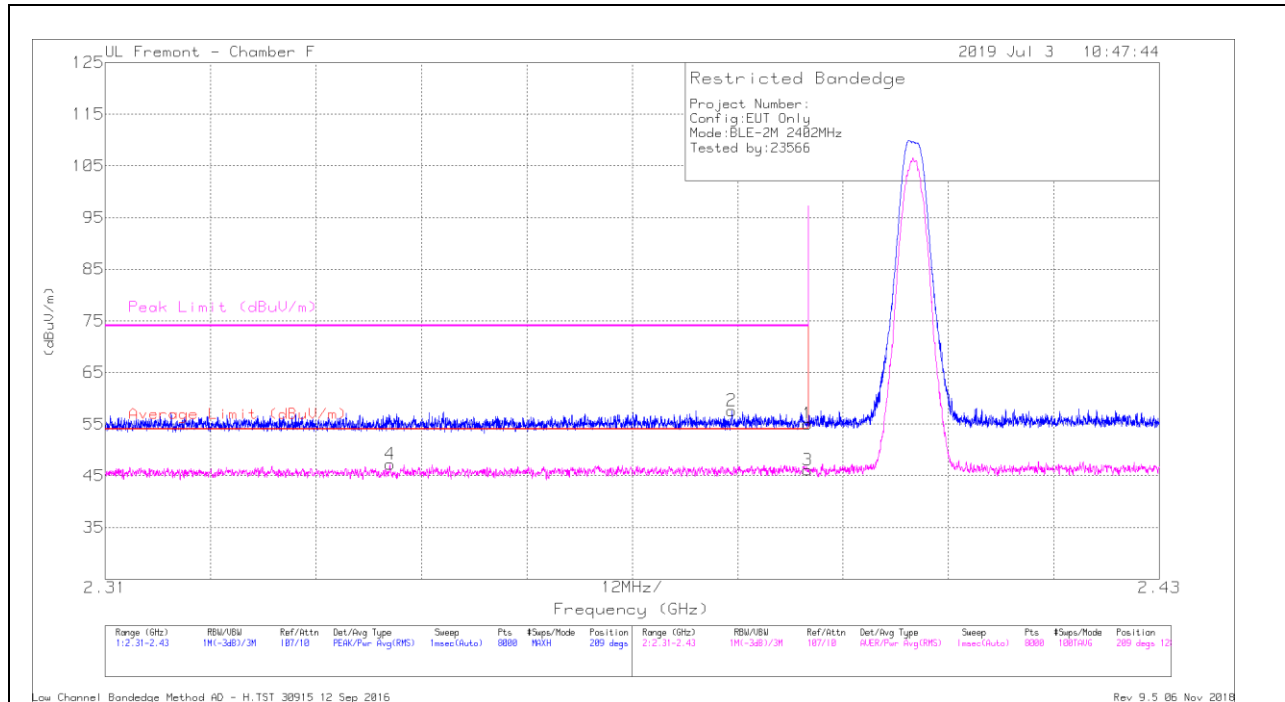
*,TST 30915 29 Dec 2015

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Antenna 3

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Ampl/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	* 2.390	37.58	Pk	32	-14.5	55.08	-	-	74	-18.92	209	128	H
2	* 2.381	40.21	Pk	31.9	-14.5	57.61	-	-	74	-16.39	209	128	H
3	* 2.390	28.63	RMS	32	-14.5	46.13	54	-7.87	-	-	209	128	H
4	* 2.342	30.15	RMS	31.6	-14.5	47.25	54	-6.75	-	-	209	128	H

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

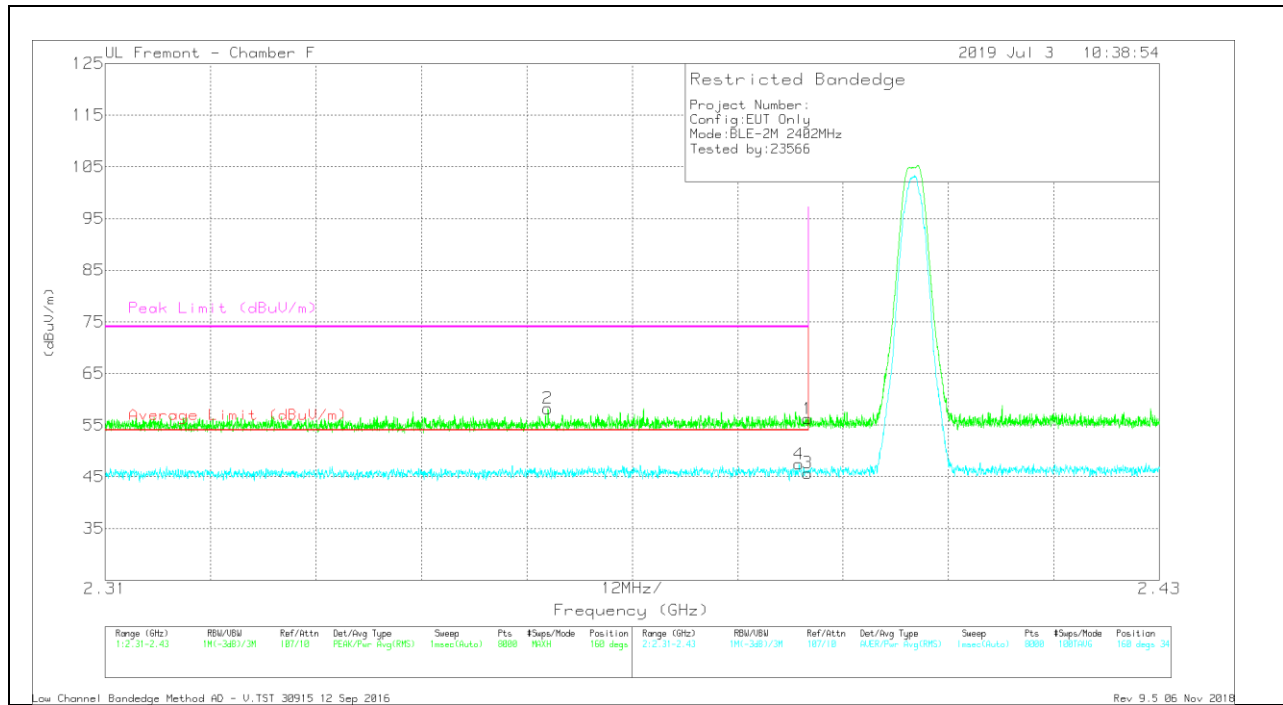
Pk - Peak detector

RMS - RMS detection

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

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VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dBm)	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	* 2.390	38.73	Pk	32	-14.5	56.23	-	-	74	-17.77	160	341	V
2	* 2.360	40.95	Pk	31.8	-14.5	58.25	-	-	74	-15.75	160	341	V
3	* 2.390	28.21	RMS	32	-14.5	45.71	54	-8.29	-	-	160	341	V
4	* 2.389	29.97	RMS	32	-14.5	47.47	54	-6.53	-	-	160	341	V

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

Pk - Peak detector

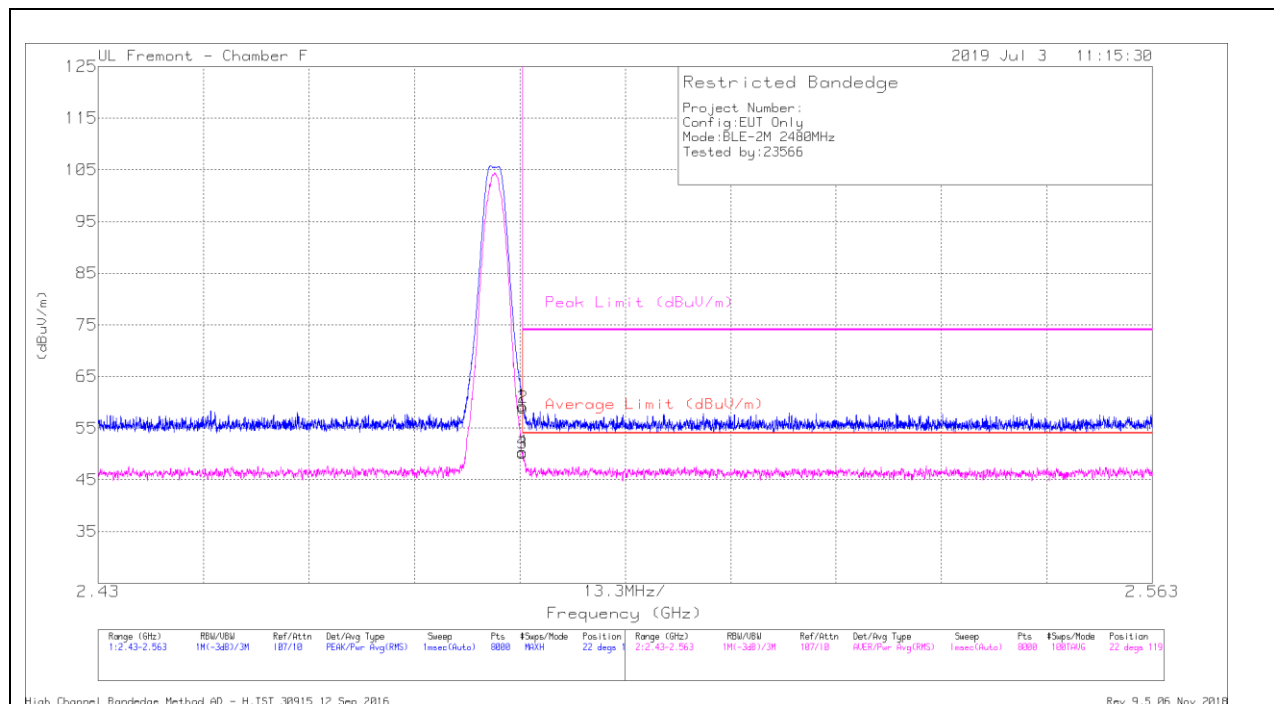
RMS - RMS detection

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

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BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (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	41.64	Pk	32.4	-14.7	59.34	-	-	74	-14.66	22	119	H
2	* 2.484	41.29	Pk	32.4	-14.7	58.99	-	-	74	-15.01	22	119	H
3	* 2.484	32.44	RMS	32.4	-14.7	50.14	54	-3.86	-	-	22	119	H
4	* 2.484	32.75	RMS	32.4	-14.7	50.45	54	-3.55	-	-	22	119	H

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

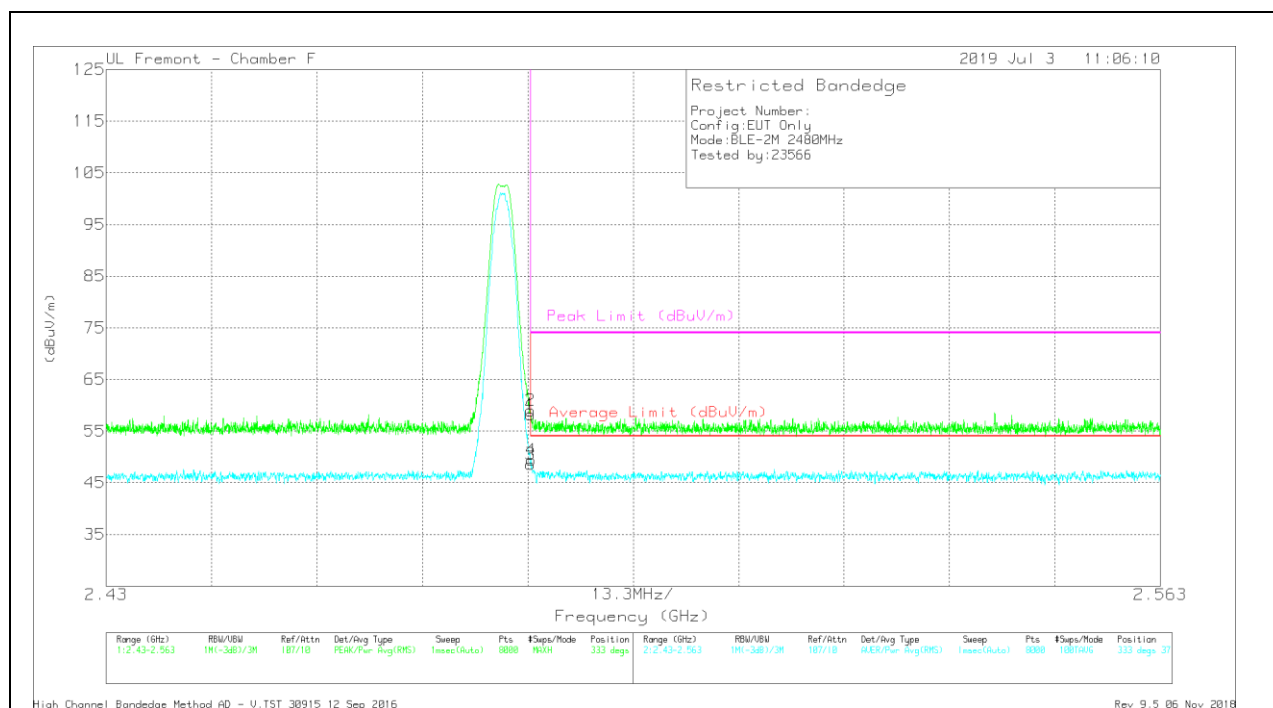
Pk - Peak detector

RMS - RMS detection

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

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VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dBm)	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	40.49	Pk	32.4	-14.7	58.19	-	-	74	-15.81	333	371	V
2	* 2.484	41.30	Pk	32.4	-14.7	59.00	-	-	74	-15.00	333	371	V
3	* 2.484	30.88	RMS	32.4	-14.7	48.58	54	-5.42	-	-	333	371	V
4	* 2.484	31.71	RMS	32.4	-14.7	49.41	54	-4.59	-	-	333	371	V

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

Pk - Peak detector

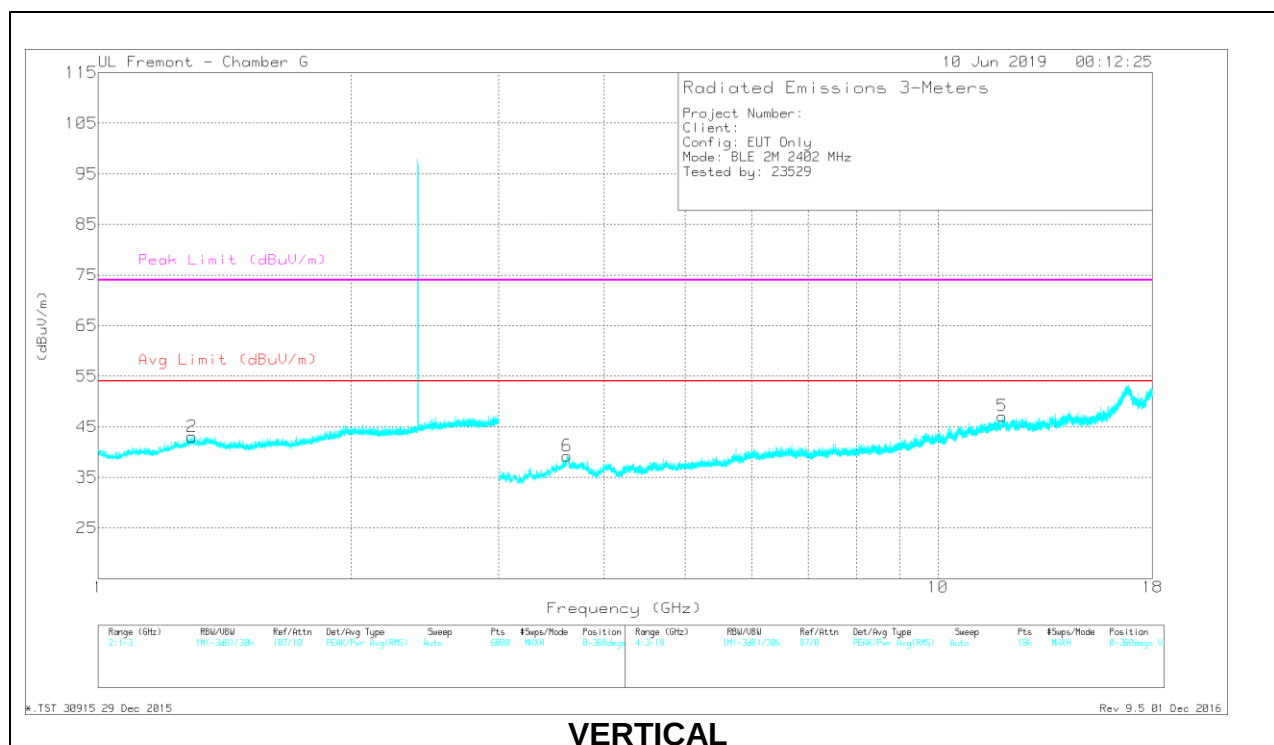
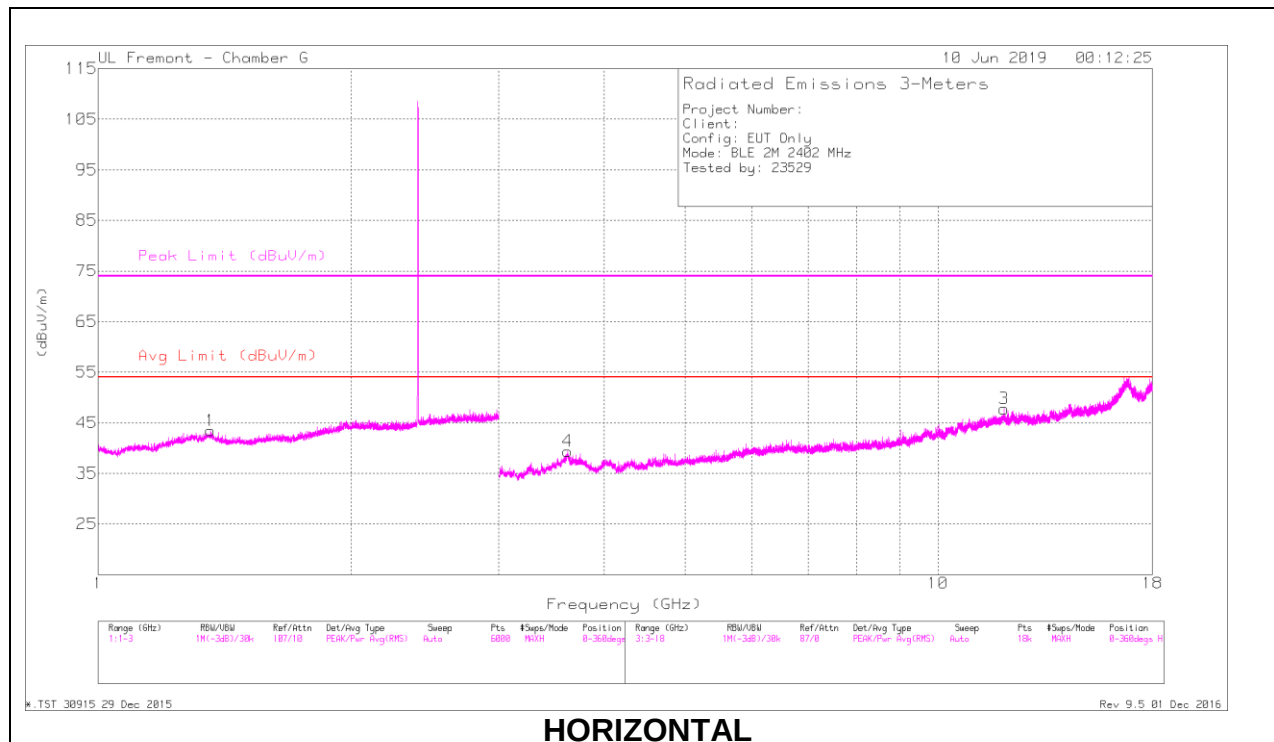
RMS - RMS detection

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

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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	* 1.360	43.16	PK2	29.9	-23.3	49.76	-	-	74	-24.24	166	197	H
	* 1.362	31.78	MAv1	29.9	-23.2	38.48	54	-15.52	-	-	166	197	H
2	* 1.294	43.46	PK2	29.9	-23.5	49.86	-	-	74	-24.14	36	107	V
	* 1.291	31.94	MAv1	29.9	-23.5	38.34	54	-15.66	-	-	36	107	V
3	* 11.992	36.57	PK2	39.5	-22.3	53.77	-	-	74	-20.23	207	176	H
	* 11.995	25.39	MAv1	39.5	-22.3	42.59	54	-11.41	-	-	207	176	H
4	* 3.625	40.46	PK2	35.4	-29.8	46.06	-	-	74	-27.94	77	211	H
	* 3.626	29.84	MAv1	35.4	-29.8	35.44	54	-18.56	-	-	77	211	H
5	* 11.923	35.92	PK2	39.4	-22.5	52.82	-	-	74	-21.18	102	183	V
	* 11.922	25.06	MAv1	39.4	-22.6	41.86	54	-12.14	-	-	102	183	V
6	* 3.614	40.65	PK2	35.5	-30.2	45.95	-	-	74	-28.05	224	287	V
	* 3.617	30.44	MAv1	35.7	-30.1	36.04	54	-17.96	-	-	224	287	V

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

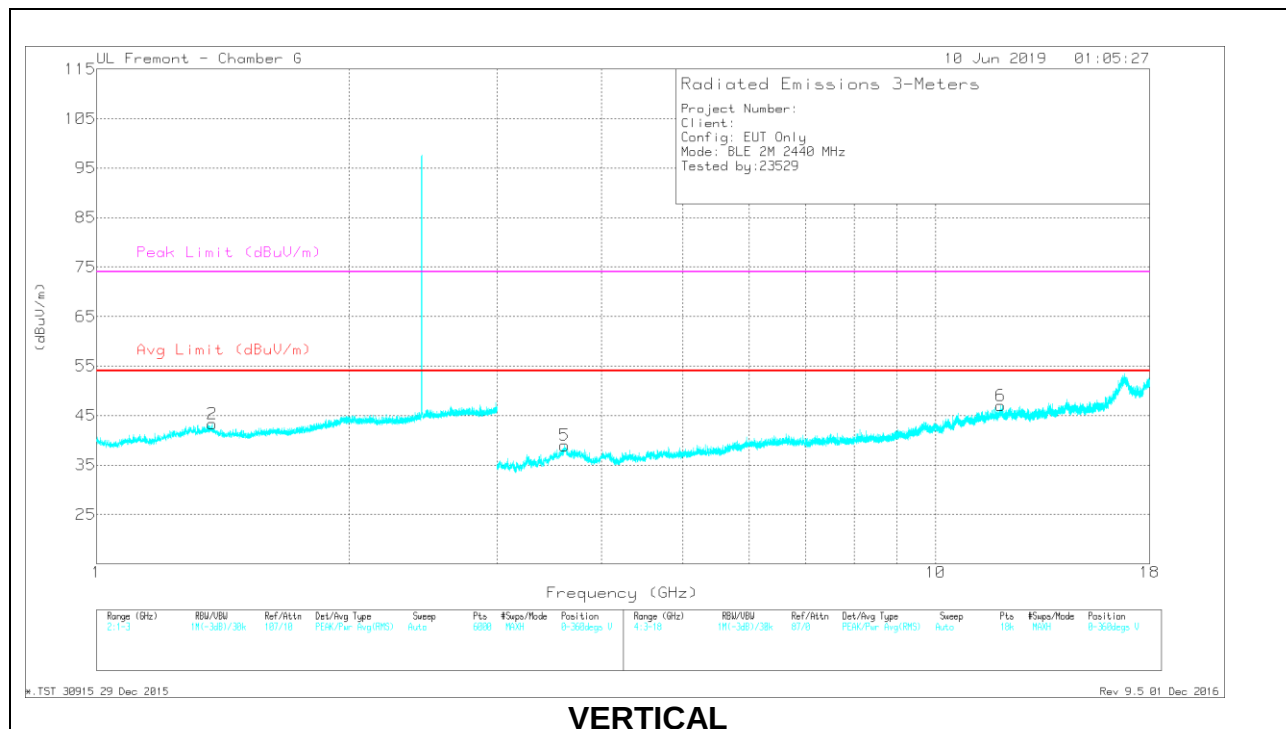
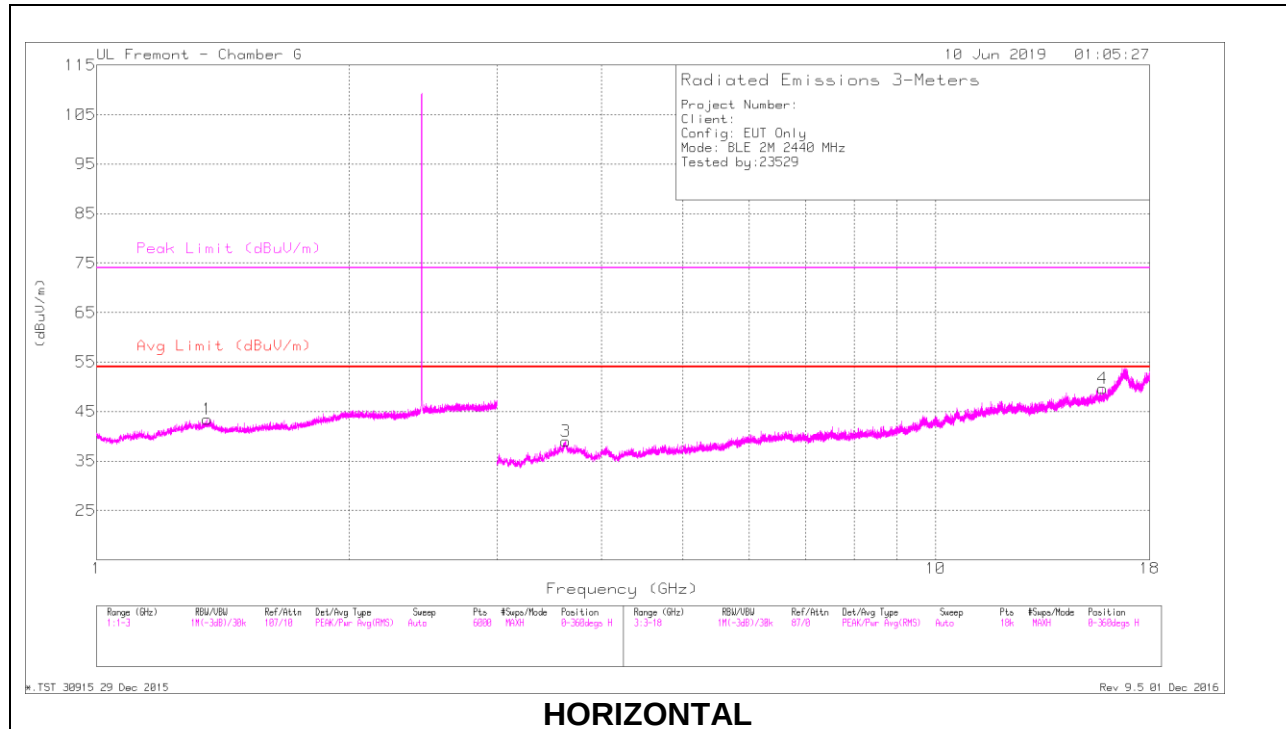
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

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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	* 1.355	42.95	PK2	30	-23.3	49.65	-	-	74	-24.35	258	126	H
	* 1.353	31.67	MAV1	30	-23.3	38.37	54	-15.63	-	-	258	126	H
2	* 1.372	44.4	PK2	29.9	-23.2	51.10	-	-	74	-22.90	236	226	V
	* 1.371	32.04	MAV1	29.9	-23.2	38.74	54	-15.26	-	-	236	226	V
3	* 3.624	40.69	PK2	35.5	-29.9	46.29	-	-	74	-27.71	188	166	H
	* 3.624	29.55	MAV1	35.5	-29.9	35.15	54	-18.85	-	-	188	166	H
4	* 15.814	37.82	PK2	40.7	-22.4	56.12	-	-	74	-17.88	202	143	H
	* 15.815	26.4	MAV1	40.7	-22.4	44.70	54	-9.30	-	-	202	143	H
5	* 3.616	40.8	PK2	35.6	-30.1	46.30	-	-	74	-27.70	30	183	V
	* 3.611	29.63	MAV1	35.2	-30.3	34.53	54	-19.47	-	-	30	183	V
6	* 11.969	36.41	PK2	39.5	-22.1	53.81	-	-	74	-20.19	58	213	V
	* 11.968	25.28	MAV1	39.5	-22.1	42.68	54	-11.32	-	-	58	213	V

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

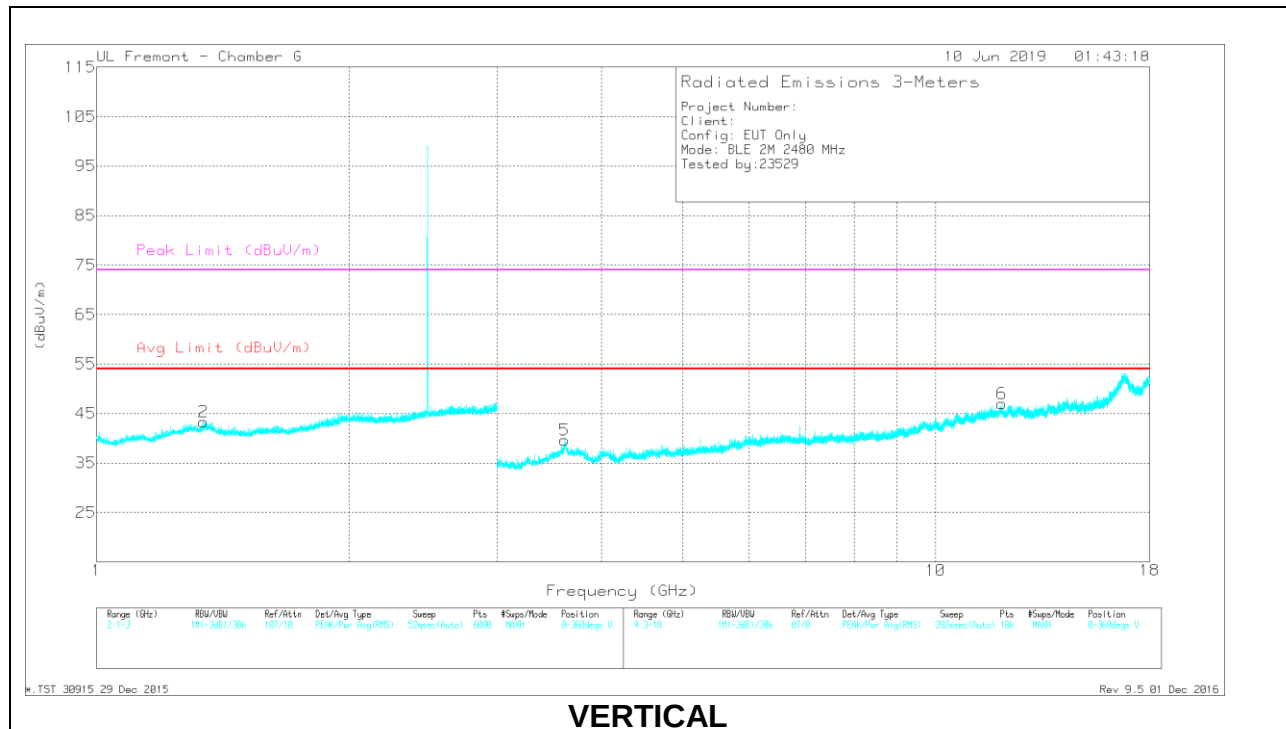
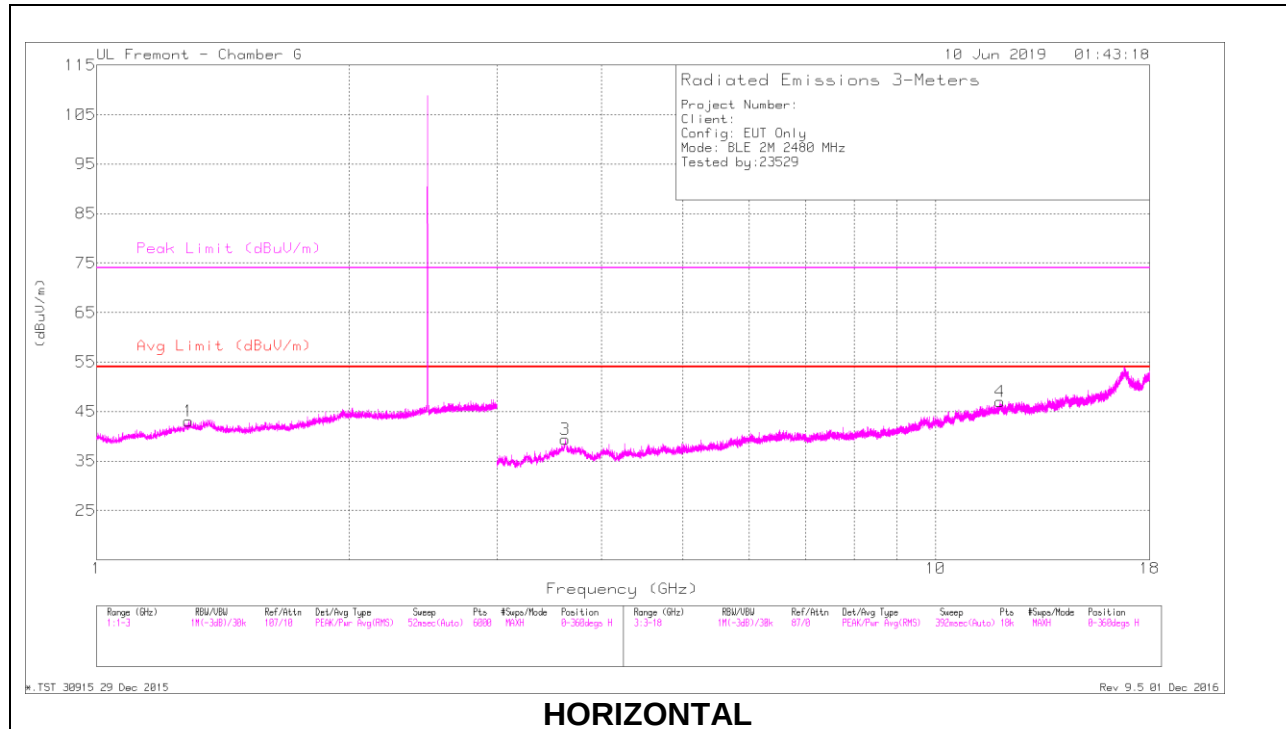
PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

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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	* 1.289	44.39	PK2	29.8	-23.5	50.69	-	-	74	-23.31	165	105	H
	* 1.286	32.15	MAV1	29.7	-23.5	38.35	54	-15.65	-	-	165	105	H
2	* 1.341	43.43	PK2	29.9	-23.3	50.03	-	-	74	-23.97	266	165	V
	* 1.342	31.92	MAV1	29.8	-23.3	38.42	54	-15.58	-	-	266	165	V
3	* 3.617	40.39	PK2	35.7	-30.1	45.99	-	-	74	-28.01	214	197	H
	* 3.616	29.60	MAV1	35.6	-30.1	35.10	54	-18.90	-	-	214	197	H
4	* 11.943	36.23	PK2	39.4	-22.0	53.63	-	-	74	-20.37	112	225	H
	* 11.941	25.06	MAV1	39.4	-22.1	42.36	54	-11.64	-	-	112	225	H
5	* 3.613	41.16	PK2	35.4	-30.2	46.36	-	-	74	-27.64	153	188	V
	* 3.613	29.88	MAV1	35.4	-30.2	35.08	54	-18.92	-	-	153	188	V
6	* 12.001	35.83	PK2	39.4	-22.4	52.83	-	-	74	-21.17	142	158	V
	* 11.999	25.12	MAV1	39.4	-22.4	42.12	54	-11.88	-	-	142	158	V

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

PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

*,TST 30915 29 Dec 2015

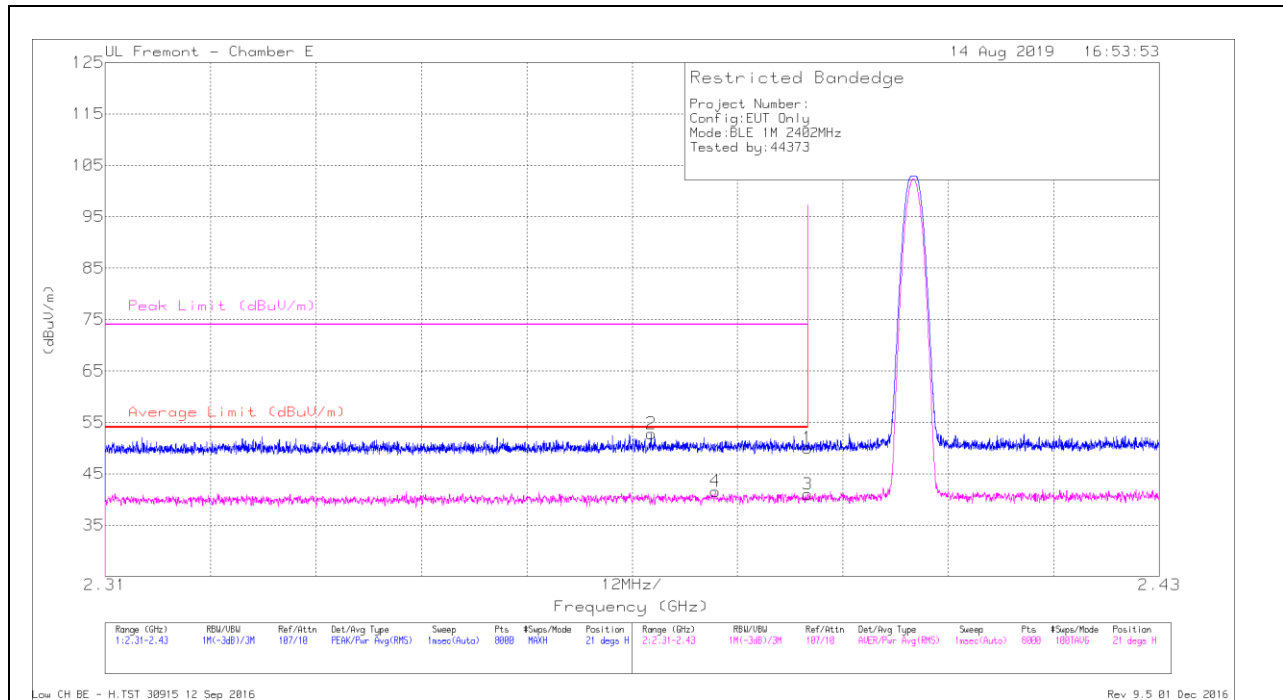
Rev 9.5 01 Dec 2016

9.2.3 Low Power BLE (1Mbps)

Antenna 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dBm)	Amp/CbI/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	43.89	Pk	32.3	-26.2	49.99	-	-	74	-24.01	21	129	H
2	* 2.372	46.89	Pk	32.2	-26.3	52.79	-	-	74	-21.21	21	129	H
3	* 2.39	34.89	RMS	32.3	-26.2	40.99	54	-13.01	-	-	21	129	H
4	* 2.379	35.58	RMS	32.2	-26.2	41.58	54	-12.42	-	-	21	129	H

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

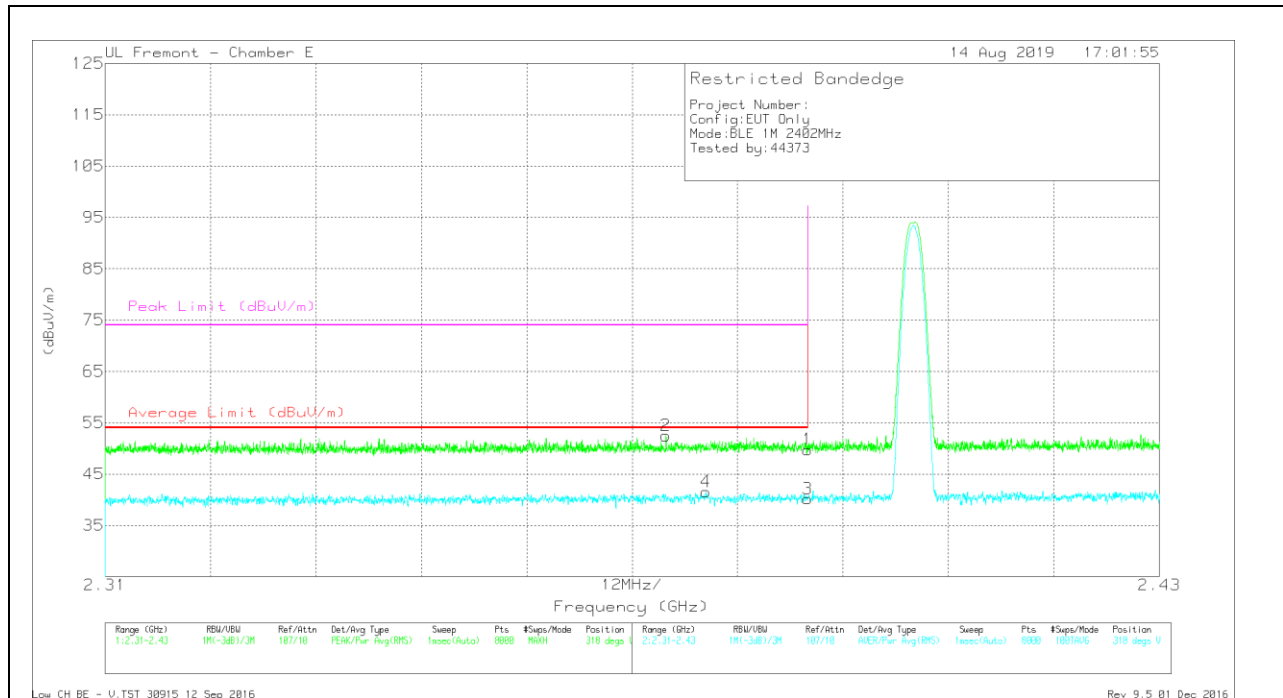
Pk - Peak detector

RMS - RMS detection

Low Channel Bandedge Method AD - H.TST 30915 29 Dec 2015

Rev 9.5 06 Nov 2018

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filt/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.374	46.59	Pk	32.2	-26.3	52.49	-	-	74	-21.51	318	334	V
4	* 2.378	35.56	RMS	32.2	-26.2	41.56	54	-12.44	-	-	318	334	V
1	* 2.39	43.67	Pk	32.3	-26.2	49.77	-	-	74	-24.23	318	334	V
3	* 2.39	34.06	RMS	32.3	-26.2	40.16	54	-13.84	-	-	318	334	V

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

Pk - Peak detector

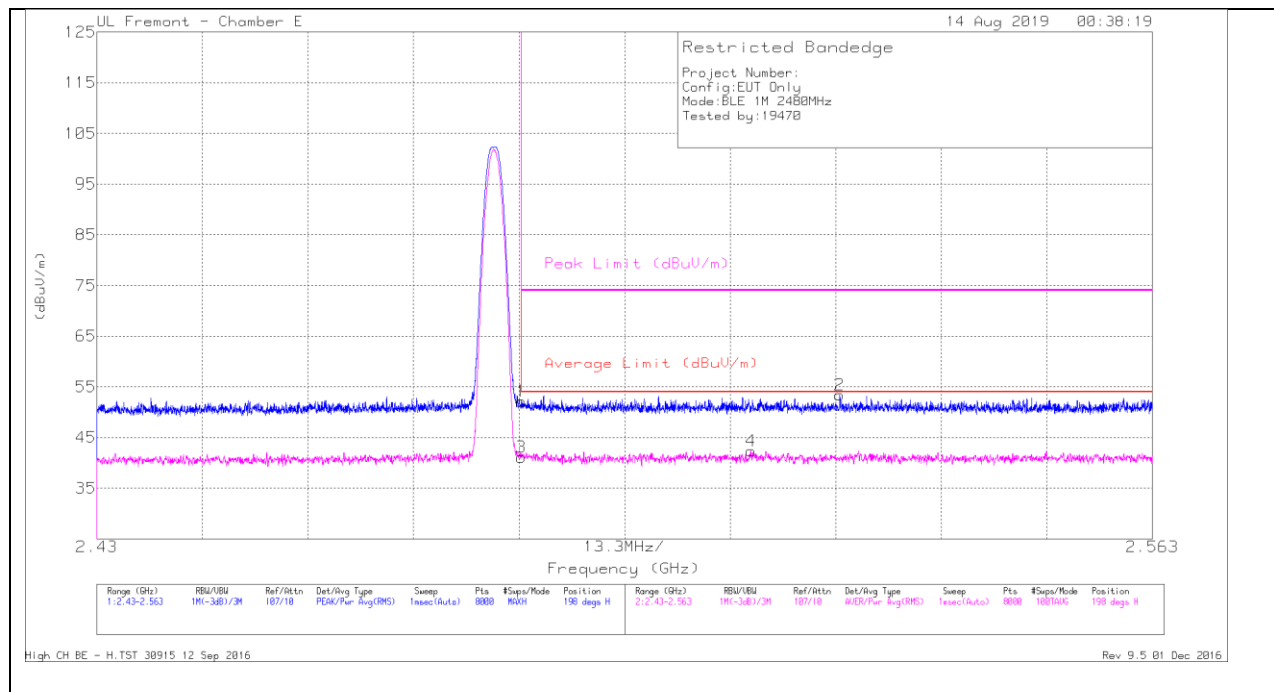
RMS - RMS detection

Low Channel Bandedge Method AD - V.TST 30915 29 Dec 2015

Rev 9.5 06 Nov 2018

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	45.69	Pk	32.8	-26.3	52.19	-	-	74	-21.81	198	124	H
3	* 2.484	34.55	RMS	32.8	-26.3	41.05	54	-12.95	-	-	198	124	H
4	2.512	35.69	RMS	32.9	-26.2	42.39	54	-11.61	-	-	198	124	H
2	2.524	46.84	Pk	32.9	-26.3	53.44	-	-	74	-20.56	198	124	H

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

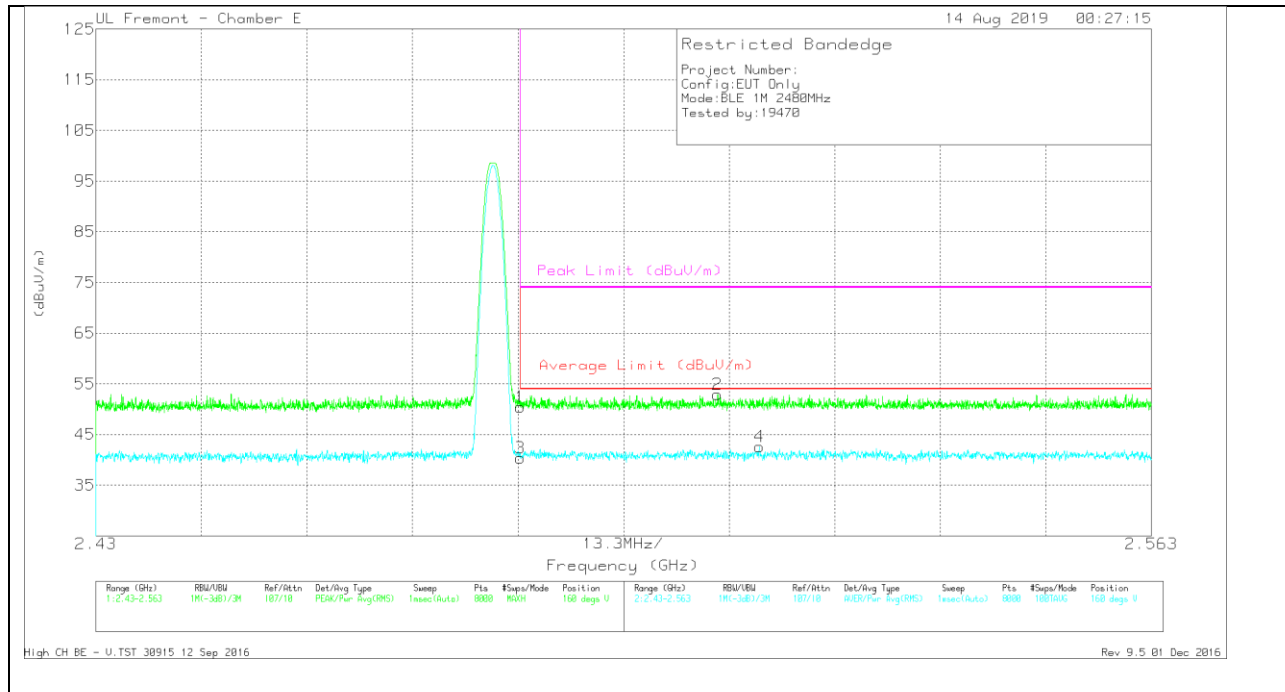
Pk - Peak detector

RMS - RMS detection

High CH BE - H.TST 30915 12 Sep 2016

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VERTICAL RESULT



Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T119 (dBm)	Amp/CbI/FiltriP ad (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	43.91	Pk	32.8	-26.3	50.41	-	-	74	-23.59	160	360	V
3	* 2.484	33.85	RMS	32.8	-26.3	40.35	54	-13.65	-	-	160	360	V
2	2.508	46.18	Pk	32.9	-26.2	52.88	-	-	74	-21.12	160	360	V
4	2.514	35.9	RMS	32.9	-26.2	42.6	54	-11.4	-	-	160	360	V

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

Pk - Peak detector

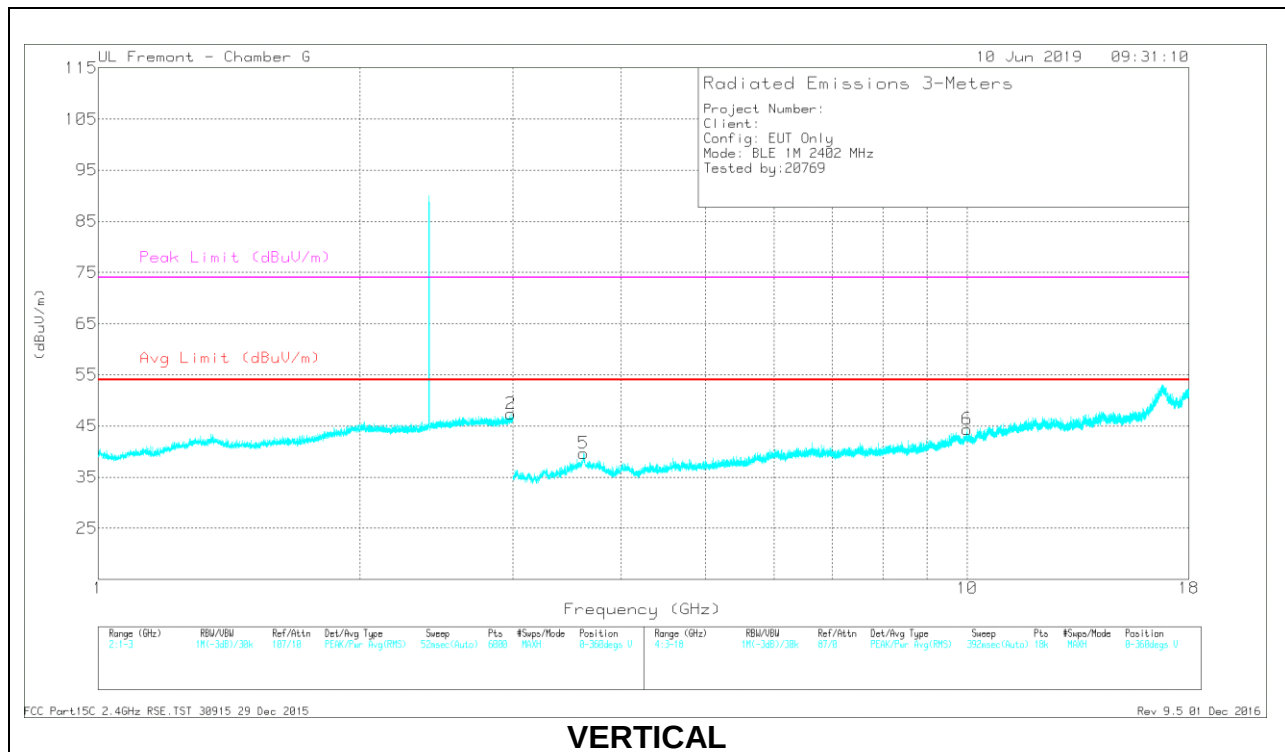
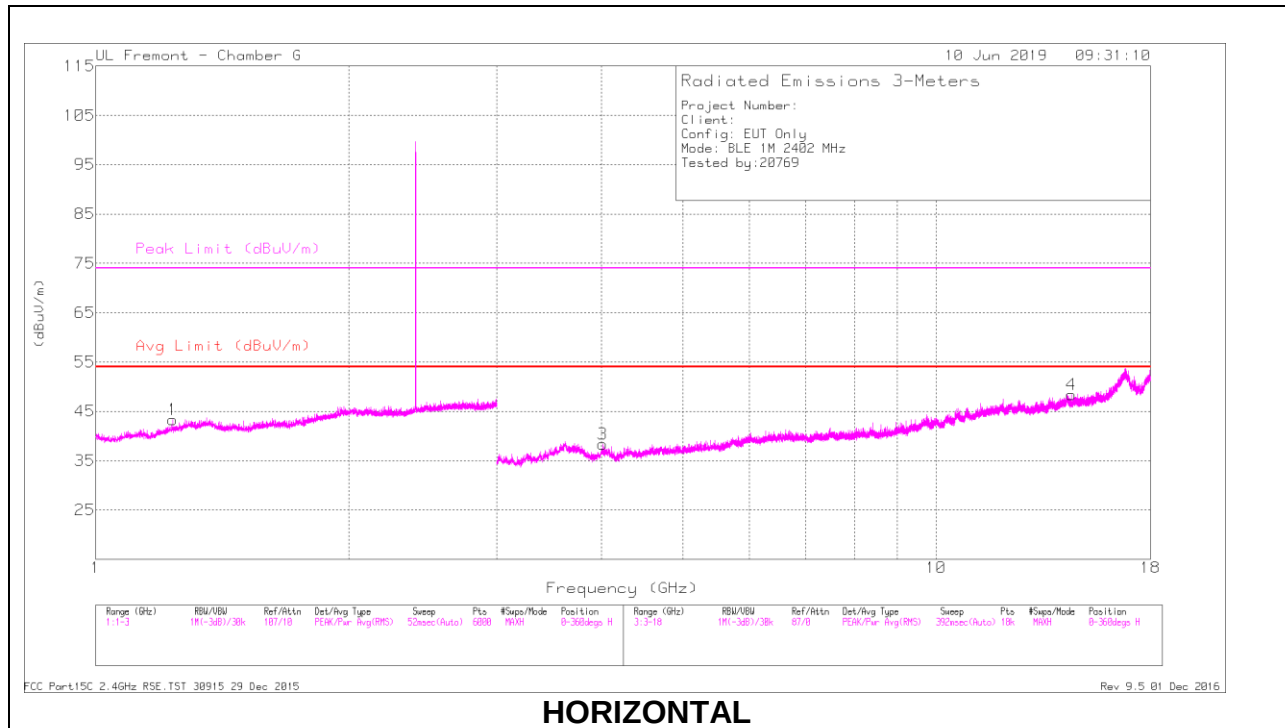
RMS - RMS detection

High CH BE - V.TST 30915 12 Sep 2016

Rev 9.5 01 Dec 2016

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 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	* 1.235	43.68	PK2	29.2	-23.7	49.18	-	-	74	-24.82	59	138	H
	* 1.234	31.69	MAv1	29.2	-23.7	37.19	54	-16.81	-	-	59	138	H
3	* 4.010	40.46	PK2	33.6	-29.1	44.96	-	-	74	-29.04	142	309	H
	* 4.010	28.53	MAv1	33.6	-29.1	33.03	54	-20.97	-	-	142	309	H
4	* 14.497	37.77	PK2	40.3	-24.2	53.87	-	-	74	-20.13	180	259	H
	* 14.499	26.37	MAv1	40.3	-24.2	42.47	54	-11.53	-	-	180	259	H
5	* 3.618	41.19	PK2	35.7	-30.1	46.79	-	-	74	-27.21	39	333	V
	* 3.617	29.43	MAv1	35.7	-30.1	35.03	54	-18.97	-	-	39	333	V
2	2.986	42.66	PK2	32.8	-21.5	53.96	-	-	-	-	195	162	V
6	10.006	37.42	PK2	37.4	-23.9	50.92	-	-	-	-	296	233	V

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

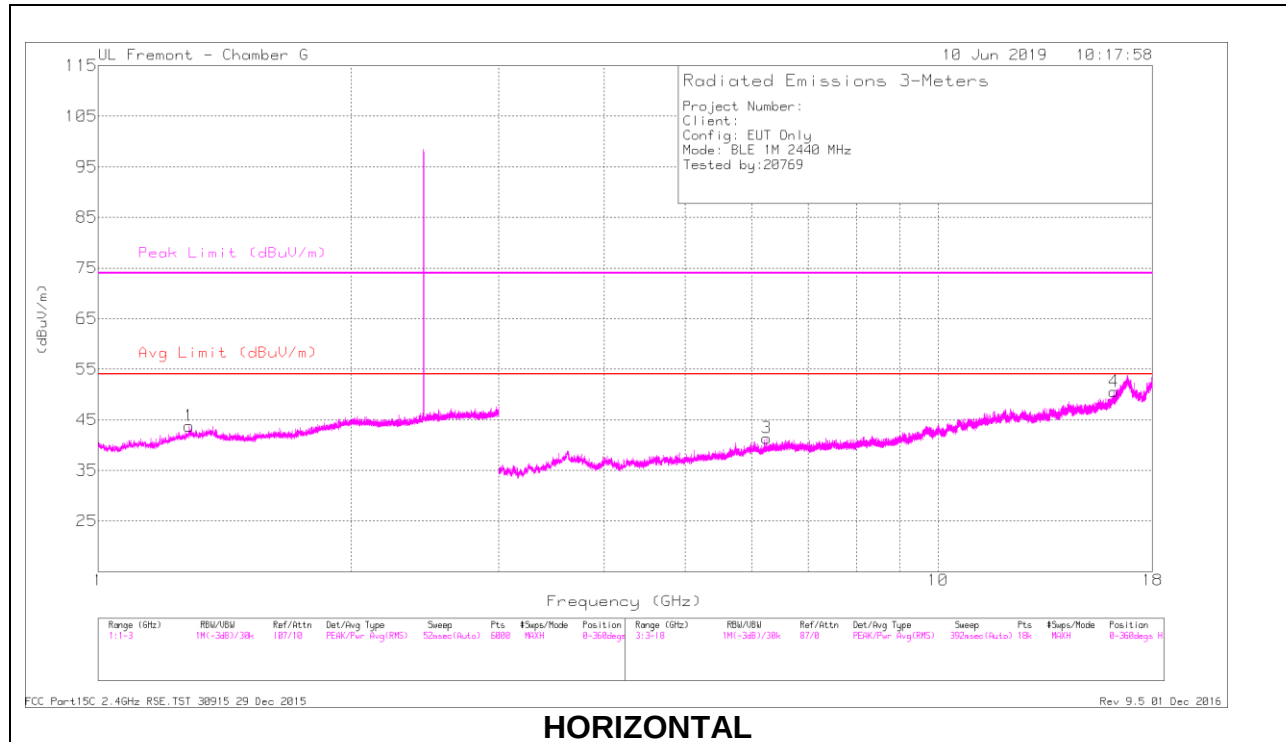
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

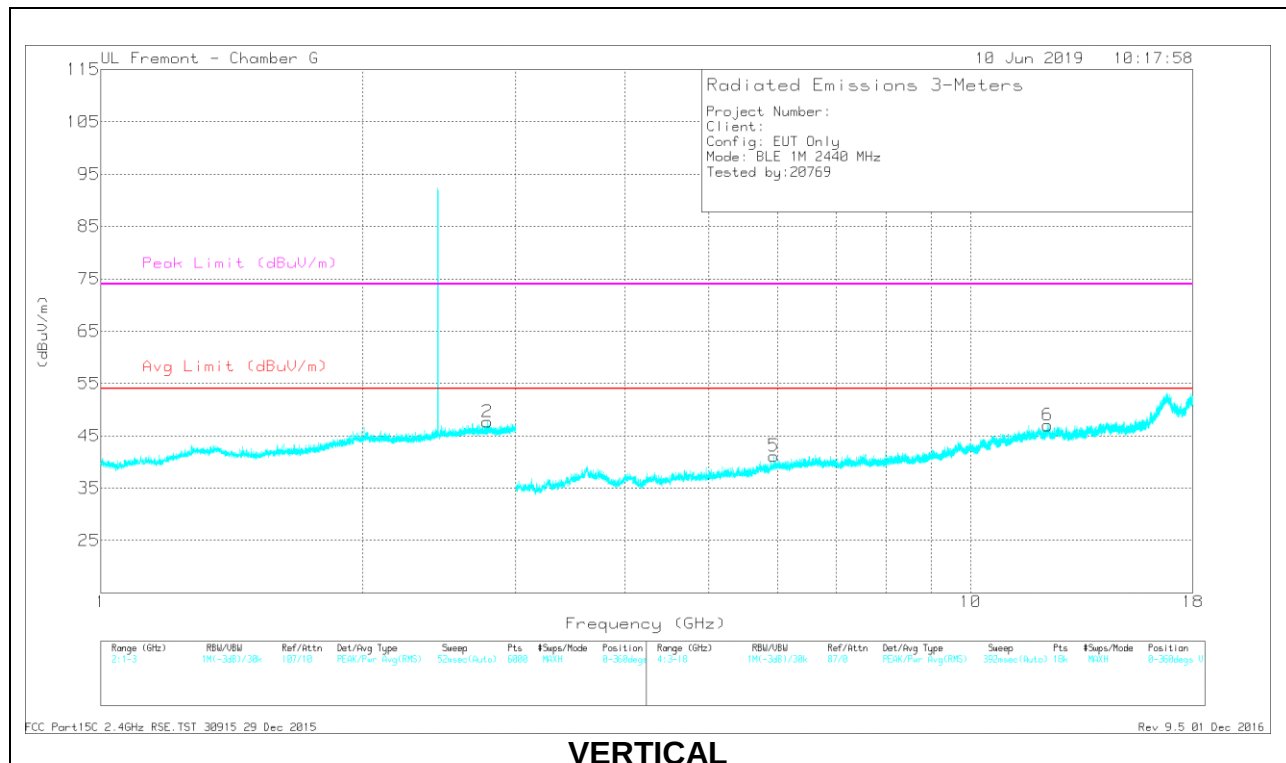
FCC Part15C 2.4GHz RSE.TST 30915 29 Dec 2015

Rev 9.5 01 Dec 2016

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Markers	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	* 1.285	43.72	PK2	29.7	-23.5	49.92	-	-	74	-24.08	135	153	H
	* 1.284	31.80	MAv1	29.7	-23.6	37.90	54	-16.10	-	-	135	153	H
2	* 2.781	42.60	PK2	32.8	-22	53.40	-	-	74	-20.60	279	310	V
	* 2.784	30.78	MAv1	32.8	-22	41.58	54	-12.42	-	-	279	310	V
6	* 12.261	36.79	PK2	39.5	-22.3	53.99	-	-	74	-20.01	138	245	V
	* 12.260	24.51	MAv1	39.5	-22.3	41.71	54	-12.29	-	-	138	245	V
5	5.936	40.72	PK2	35.5	-28.8	47.42	-	-	-	-	88	169	V
3	6.255	39.85	PK2	35.9	-28.7	47.05	-	-	-	-	303	290	H
4	16.202	36.88	PK2	41.3	-21.5	56.68	-	-	-	-	213	139	H

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

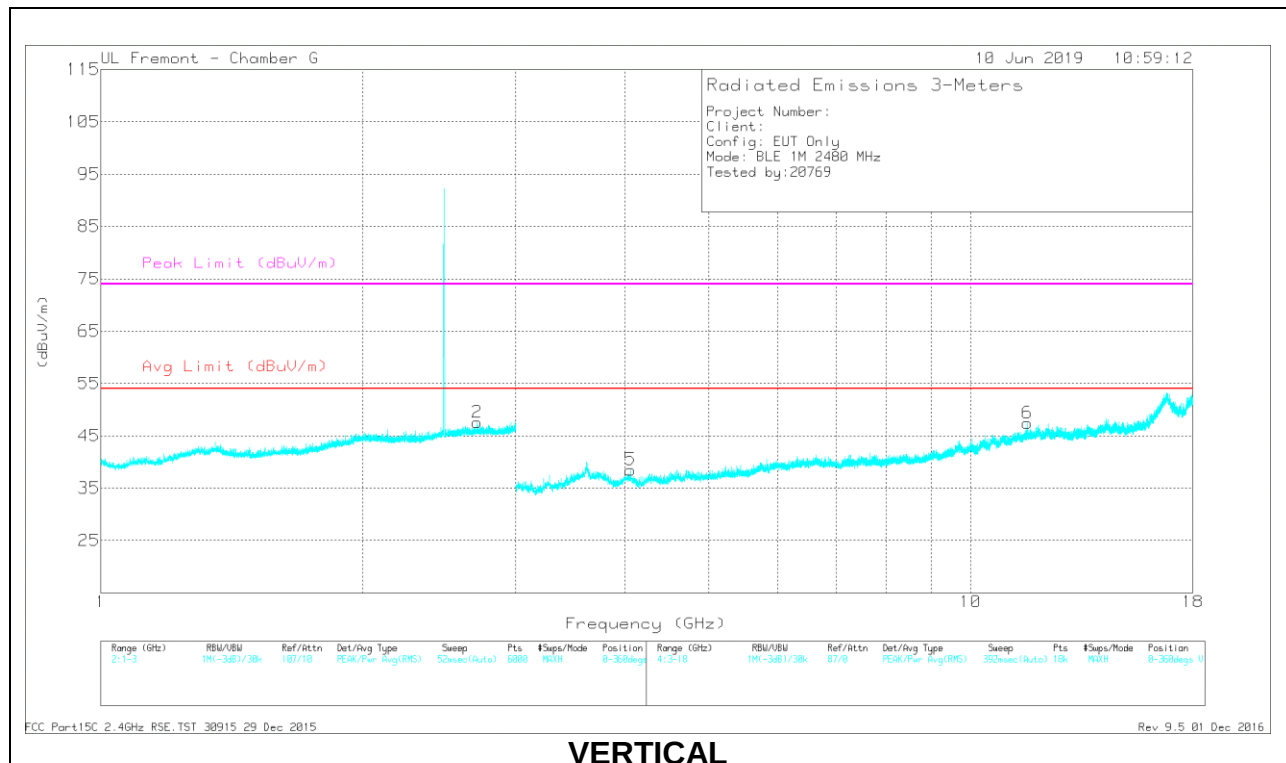
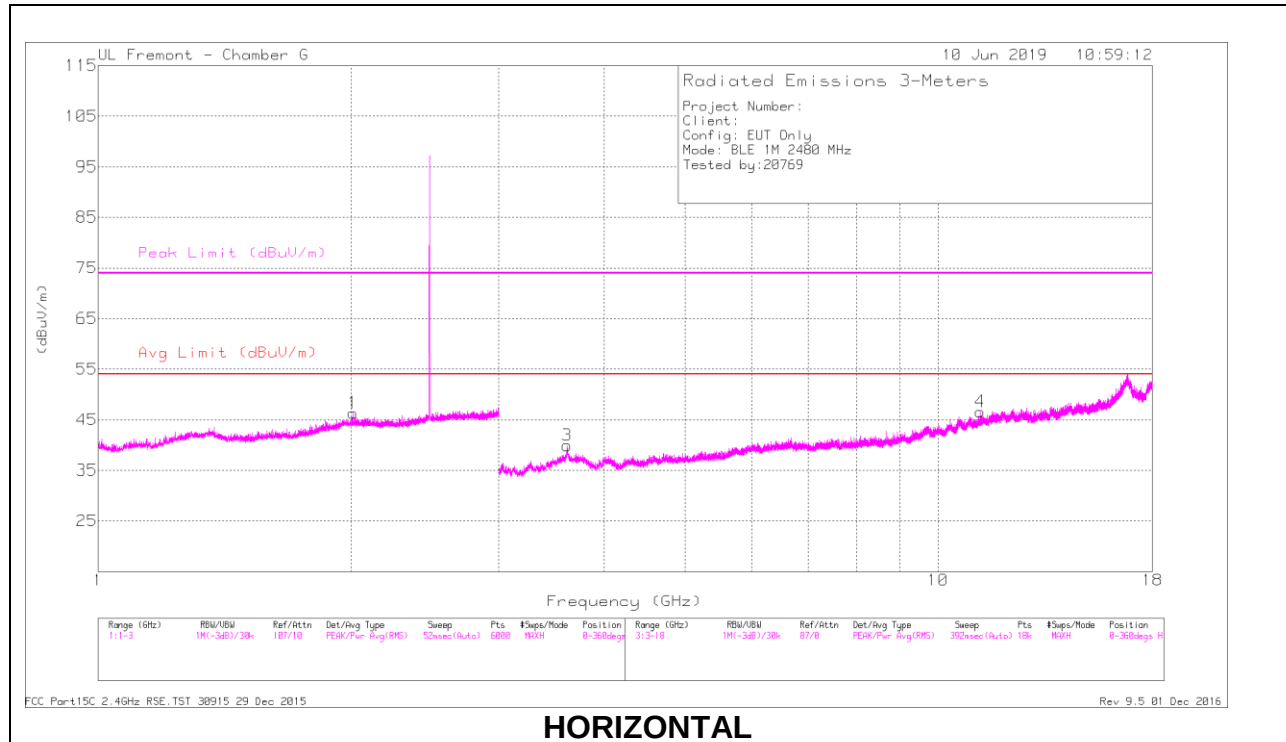
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

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HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Markers	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
2	* 2.709	43.57	PK2	32.6	-22	54.17	-	-	74	-19.83	245	152	V
	* 2.709	31.65	MAv1	32.6	-22	42.25	54	-11.75	-	-	245	152	V
3	* 3.618	41.16	PK2	35.7	-30.1	46.76	-	-	74	-27.24	282	309	H
	* 3.618	29.13	MAv1	35.7	-30.1	34.73	54	-19.27	-	-	282	309	H
4	* 11.222	36.94	PK2	38.6	-22.8	52.74	-	-	74	-21.26	147	228	H
	* 11.221	25.05	MAv1	38.6	-22.9	40.75	54	-13.25	-	-	147	228	H
5	* 4.062	40.96	PK2	33.7	-29.3	45.36	-	-	74	-28.64	309	367	V
	* 4.065	29.09	MAv1	33.7	-29.4	33.39	54	-20.61	-	-	309	367	V
6	* 11.626	36.25	PK2	39.1	-22.5	52.85	-	-	74	-21.15	162	246	V
	* 11.625	24.41	MAv1	39.2	-22.5	41.11	54	-12.89	-	-	162	246	V
1	2.011	43.12	PK2	32.1	-22.5	52.72	-	-	-	-	331	310	H

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

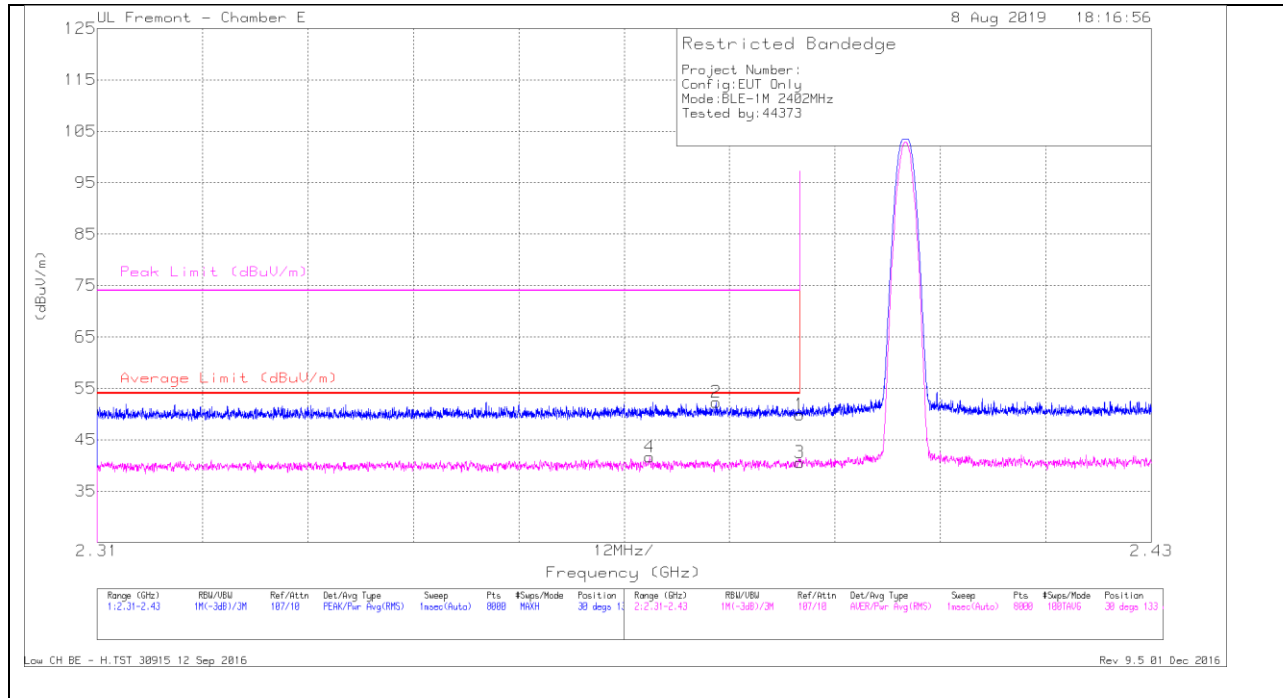
FCC Part15C 2.4GHz RSE.TST 30915 29 Dec 2015

Rev 9.5 01 Dec 2016

Antenna 3

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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
4	* 2.373	35.76	RMS	32.2	-26.3	41.66	54	-12.34	-	-	30	133	H
2	* 2.38	46.3	Pk	32.3	-26.3	52.3	-	-	74	-21.7	30	133	H
1	* 2.39	43.8	Pk	32.3	-26.2	49.9	-	-	74	-24.1	30	133	H
3	* 2.39	34.5	RMS	32.3	-26.2	40.6	54	-13.4	-	-	30	133	H

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

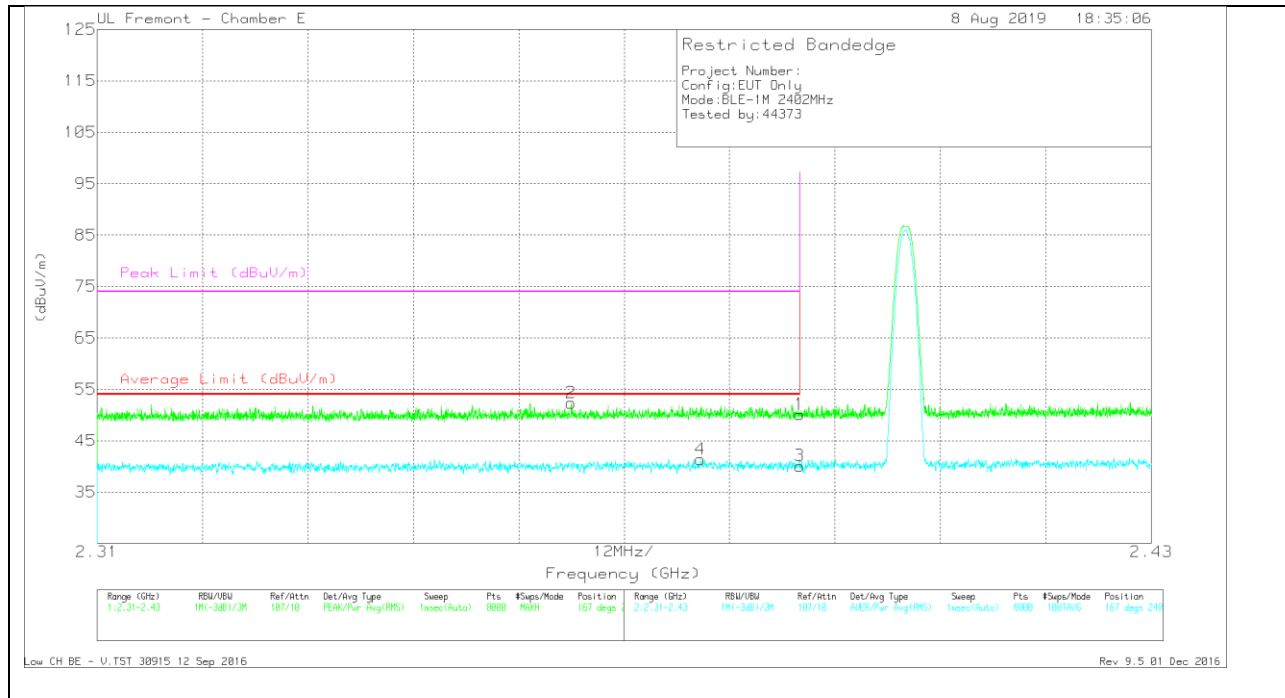
Pk - Peak detector

RMS - RMS detection

Low CH BE - H.TST 30915 12 Sep 2016

Rev 9.5 01 Dec 2016

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	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
2	* 2.364	46.55	Pk	32.1	-26.3	52.35	-	-	74	-21.65	167	248	V
4	* 2.379	35.36	RMS	32.2	-26.2	41.36	54	-12.64	-	-	167	248	V
1	* 2.39	44.01	Pk	32.3	-26.2	50.11	-	-	74	-23.89	167	248	V
3	* 2.39	34.02	RMS	32.3	-26.2	40.12	54	-13.88	-	-	167	248	V

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

Pk - Peak detector

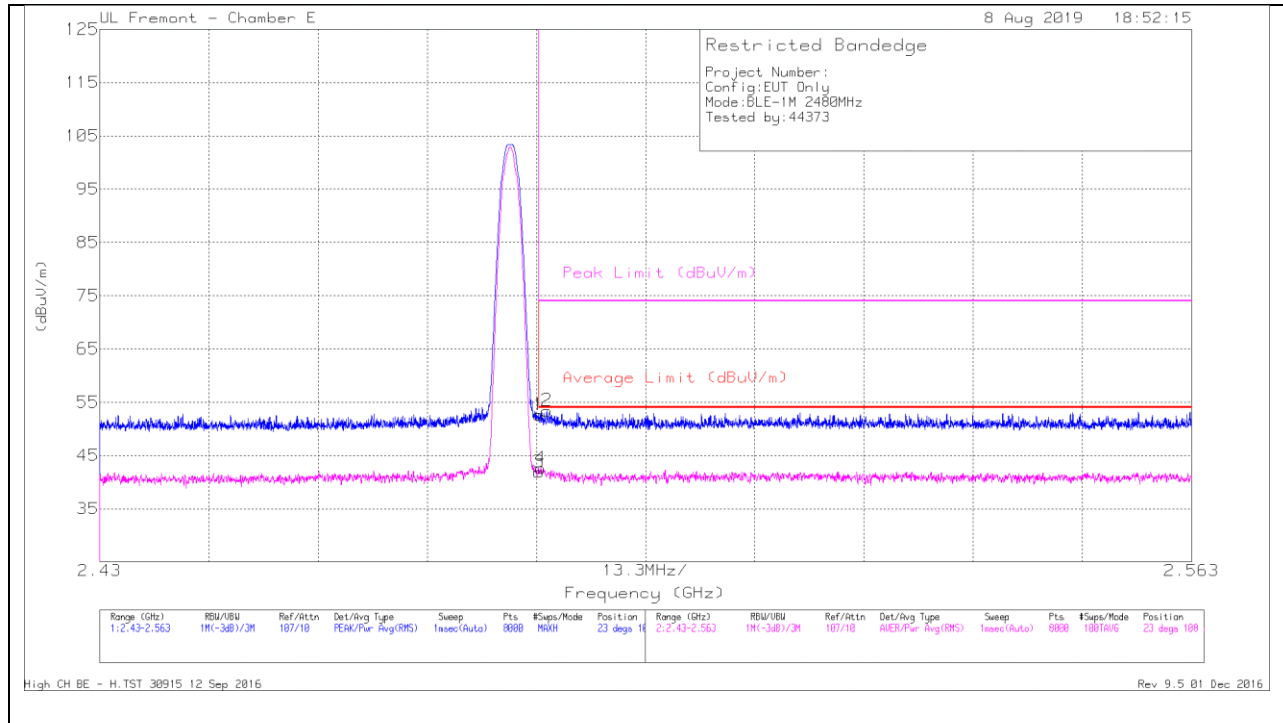
RMS - RMS detection

Low CH BE - V.TST 30915 12 Sep 2016

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BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	46.16	Pk	32.8	-26.3	52.66	-	-	74	-21.34	23	108	H
2	* 2.484	46.91	Pk	32.8	-26.3	53.41	-	-	74	-20.59	23	108	H
3	* 2.484	35.37	RMS	32.8	-26.3	41.87	54	-12.13	-	-	23	108	H
4	* 2.484	36.13	RMS	32.8	-26.3	42.63	54	-11.37	-	-	23	108	H

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

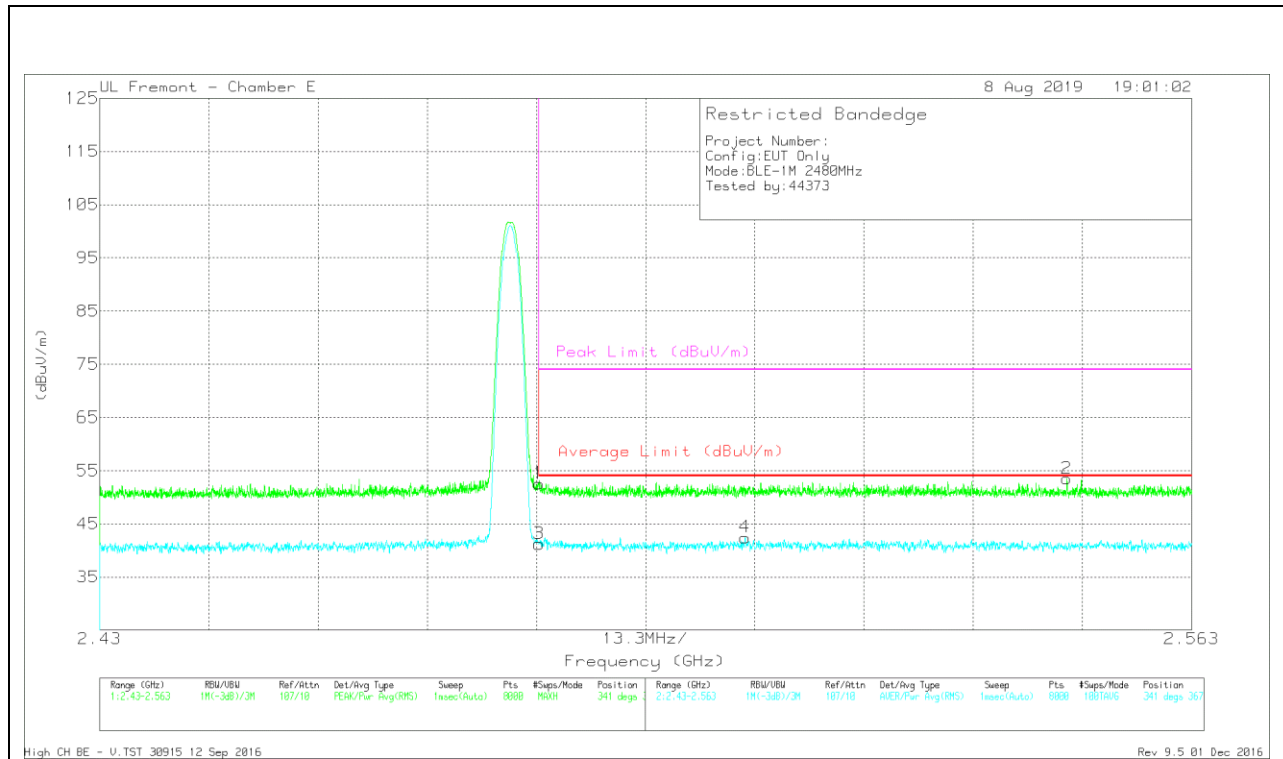
Pk - Peak detector

RMS - RMS detection

High CH BE - H.TST 30915 12 Sep 2016

Rev 9.5 01 Dec 2016

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (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	38.02	Pk	32.4	-14.7	55.72	-	-	74	-18.28	339	363	V
2	2.520	40.58	Pk	32.3	-14.6	58.28	-	-	74	-15.72	339	363	V
3	* 2.484	28.62	RMS	32.4	-14.7	46.32	54	-7.68	-	-	339	363	V
4	2.522	30.05	RMS	32.3	-14.5	47.85	54	-6.15	-	-	339	363	V

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

Pk - Peak detector

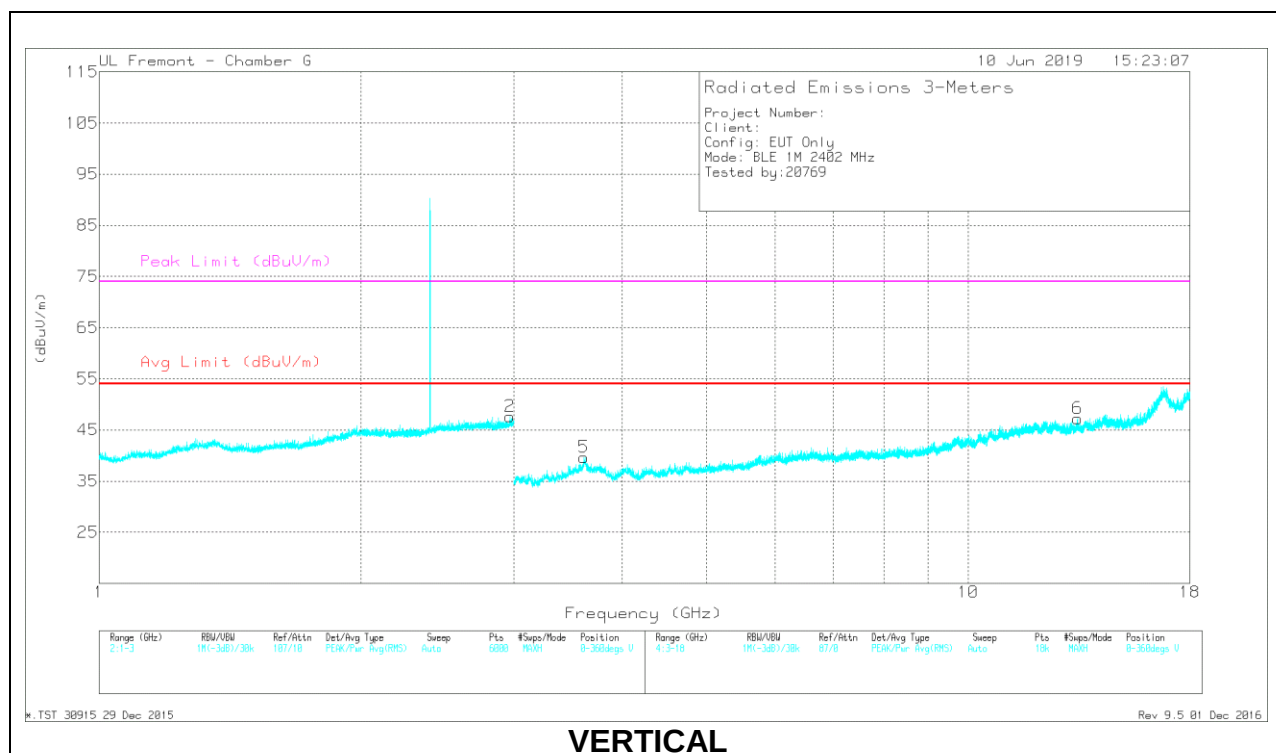
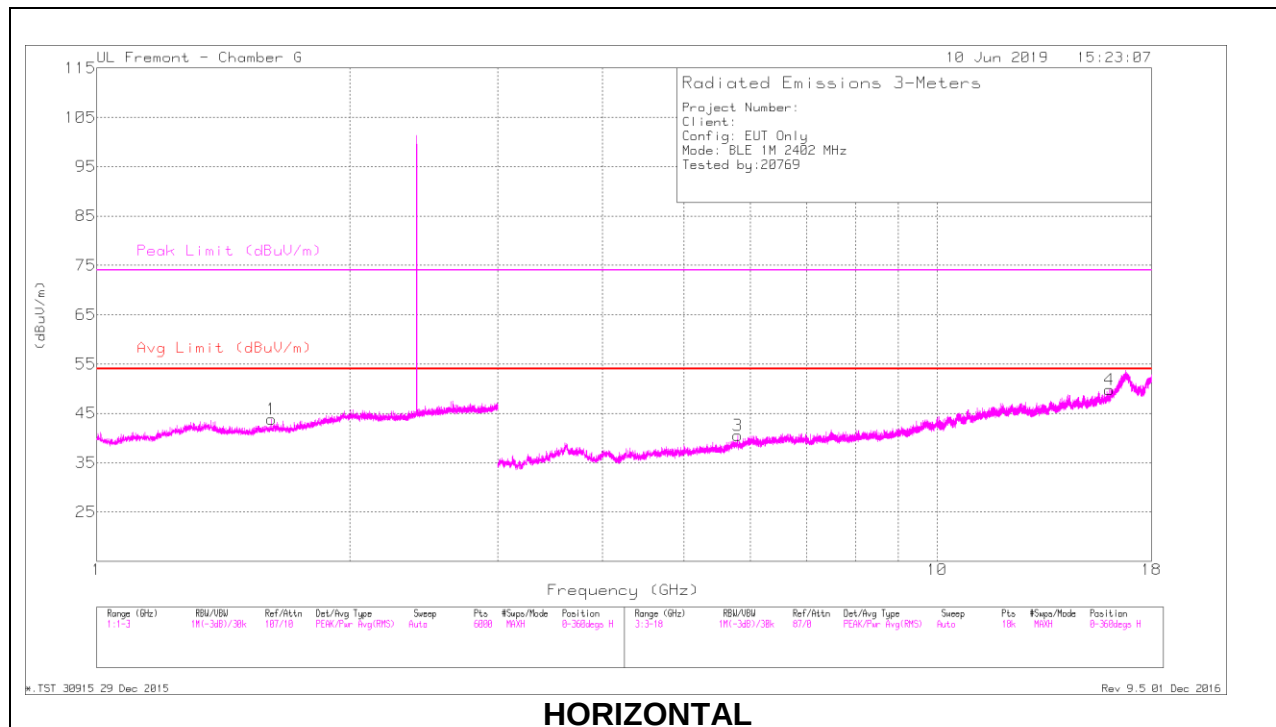
RMS - RMS detection

High Channel Bandedge Method AD - V.TST 30915 29 Dec 2015

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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	* 1.614	43.28	PK2	27.9	-21.1	50.08	-	-	74	-23.92	335	226	H
	* 1.612	31.32	MAv1	27.8	-21.1	38.02	54	-15.98	-	-	335	226	H
4	* 16.034	36.74	PK2	40.9	-22.1	55.54	-	-	74	-18.46	68	136	H
	* 16.034	25.66	MAv1	40.9	-22.1	44.46	54	-9.54	-	-	68	136	H
5	* 3.612	40.77	PK2	35.3	-30.2	45.87	-	-	74	-28.13	228	346	V
	* 3.612	29.41	MAv1	35.3	-30.2	34.51	54	-19.49	-	-	228	346	V
6	* 13.366	36.59	PK2	39.6	-23.1	53.09	-	-	74	-20.91	5	119	V
	* 13.367	24.86	MAv1	39.6	-23.1	41.36	54	-12.64	-	-	5	119	V
2	2.968	43.21	PK2	32.7	-21.6	54.31	-	-	-	-	40	311	V
1	5.795	40.53	PK2	35.3	-29.4	46.43	-	-	-	-	173	216	H

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

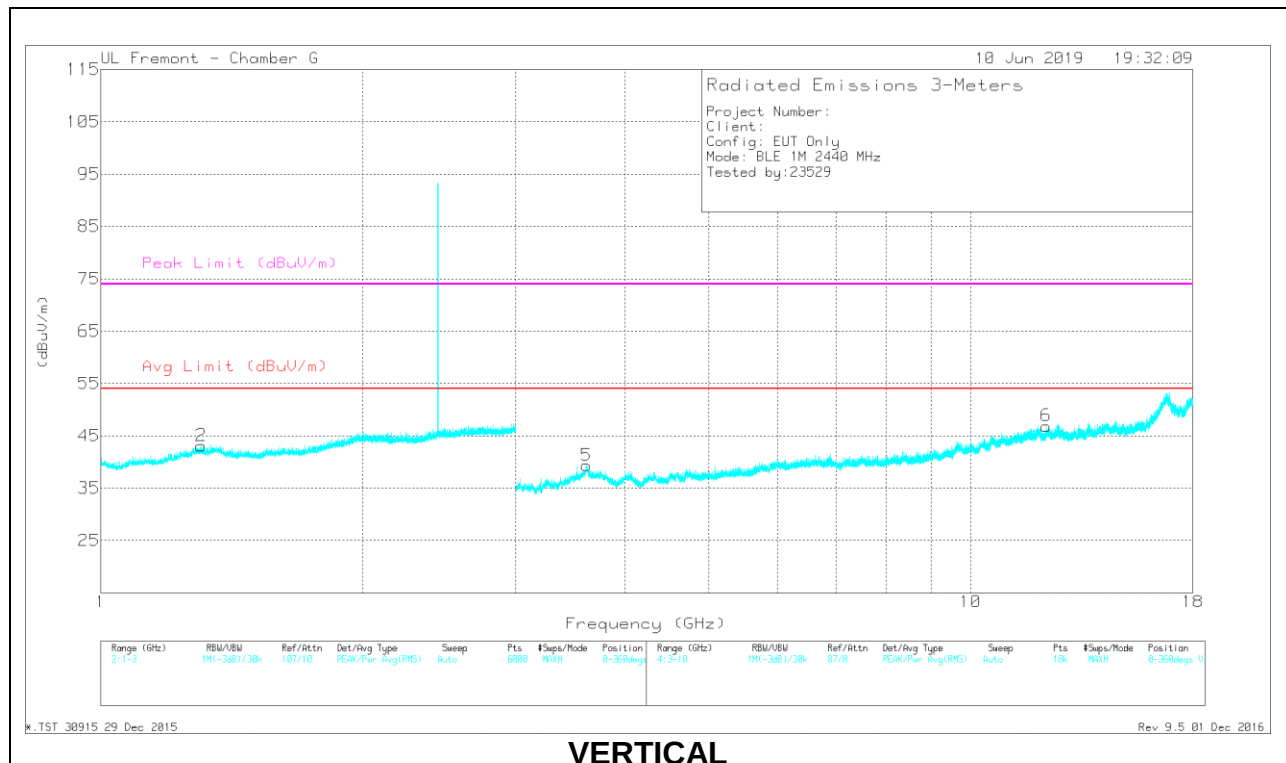
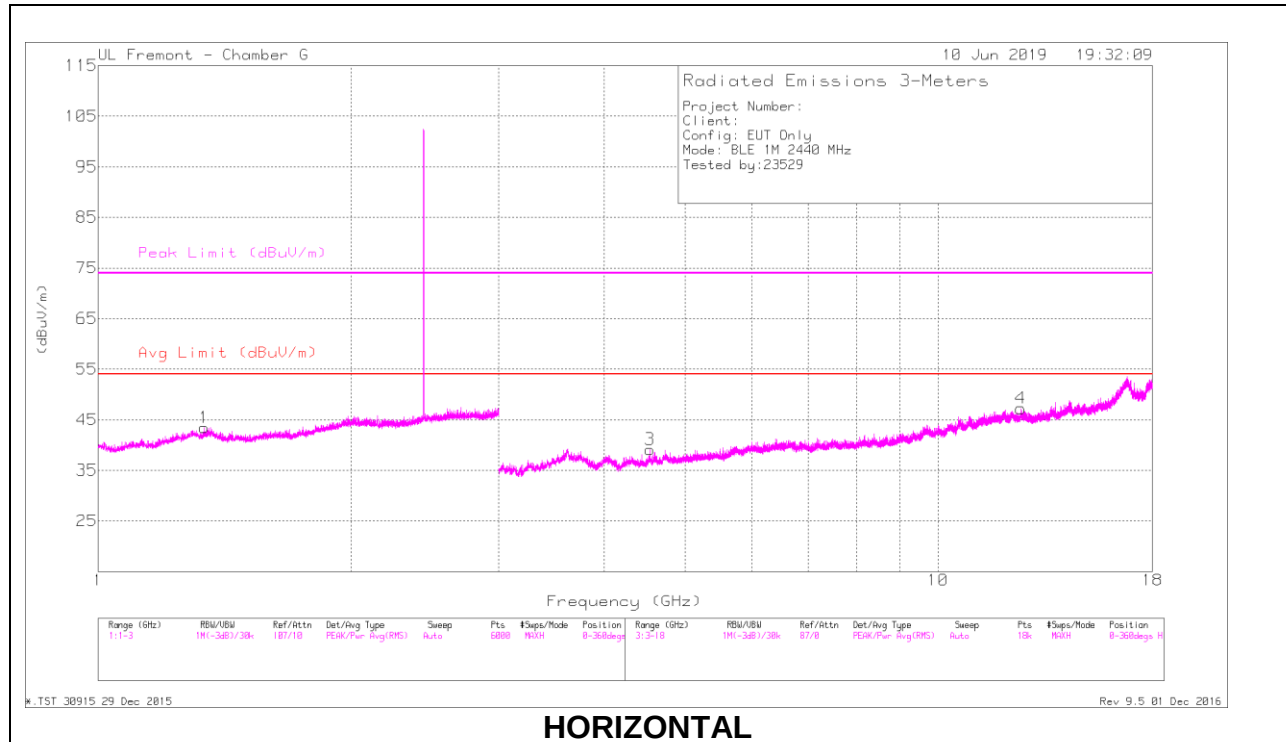
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

*.TST 30915 29 Dec 2015

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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	* 1.336	44.14	PK2	29.8	-23.3	50.64	-	-	74	-23.36	102	190	H
	* 1.335	31.78	MAV1	29.7	-23.3	38.18	54	-15.82	-	-	102	190	H
2	* 1.305	44.55	PK2	29.8	-23.5	50.85	-	-	74	-23.15	86	224	V
	* 1.305	32.32	MAV1	29.8	-23.5	38.62	54	-15.38	-	-	86	224	V
3	* 4.537	40.73	PK2	34.1	-29.9	44.93	-	-	74	-29.07	194	176	H
	* 4.540	29.36	MAV1	34.1	-29.9	33.56	54	-20.44	-	-	194	176	H
4	* 12.550	36.42	PK2	39.6	-22.6	53.42	-	-	74	-20.58	206	140	H
	* 12.548	25.46	MAV1	39.6	-22.7	42.36	54	-11.64	-	-	206	140	H
5	* 3.615	41.35	PK2	35.5	-30.2	46.65	-	-	74	-27.35	305	169	V
	* 3.618	30.30	MAV1	35.7	-30.1	35.90	54	-18.10	-	-	305	169	V
6	* 12.215	36.39	PK2	39.5	-22.5	53.39	-	-	74	-20.61	343	199	V
	* 12.218	25.48	MAV1	39.5	-22.4	42.58	54	-11.42	-	-	343	199	V

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

PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

*.TST 30915 29 Dec 2015

Rev 9.5 01 Dec 2016