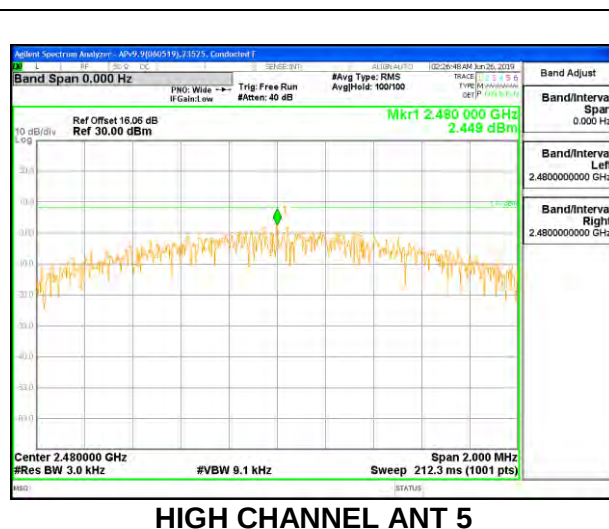
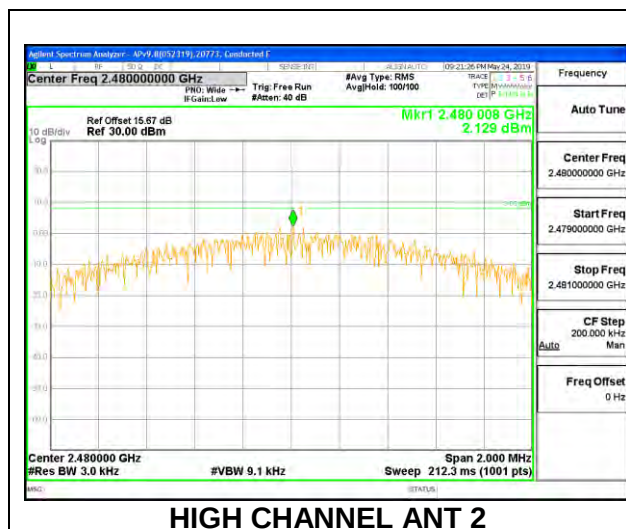
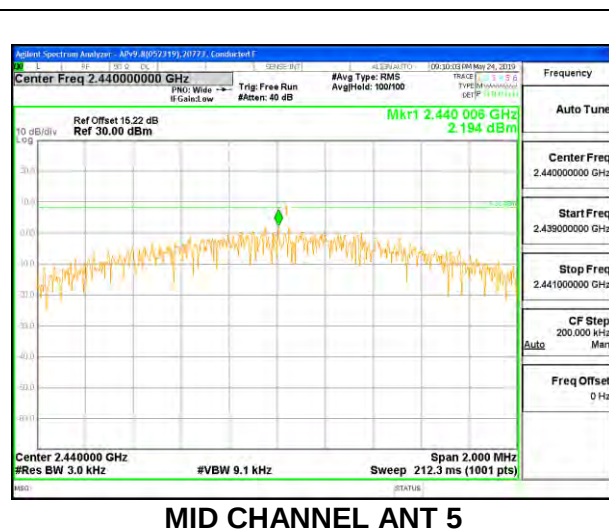
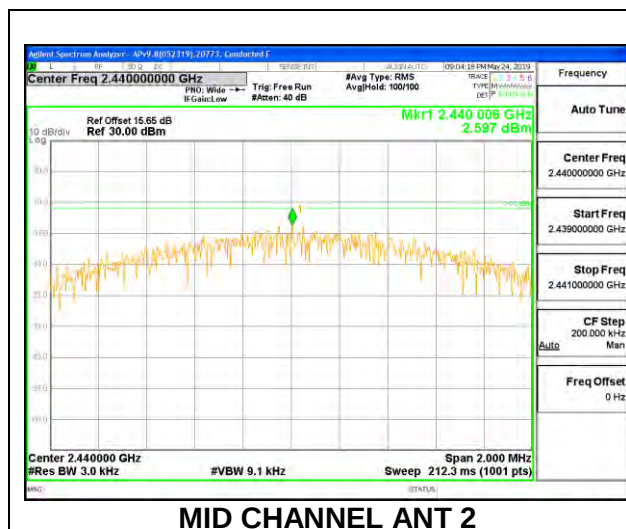
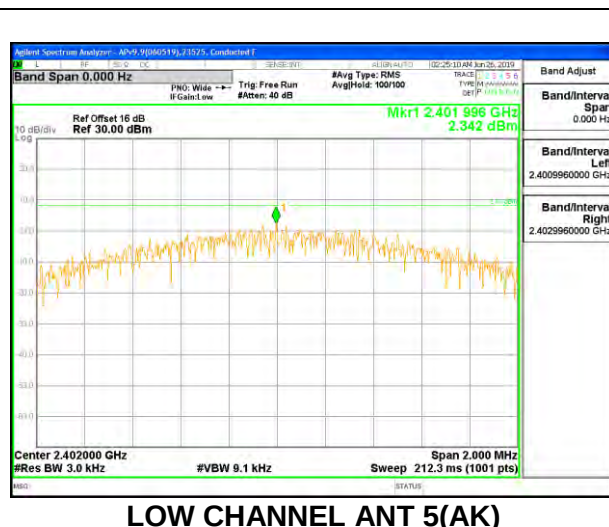
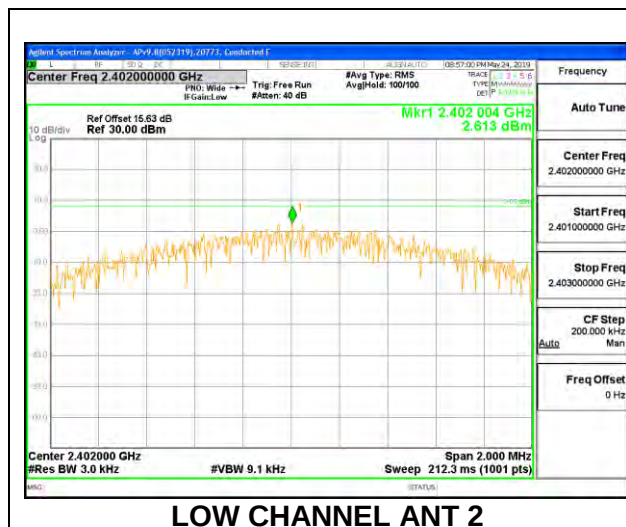


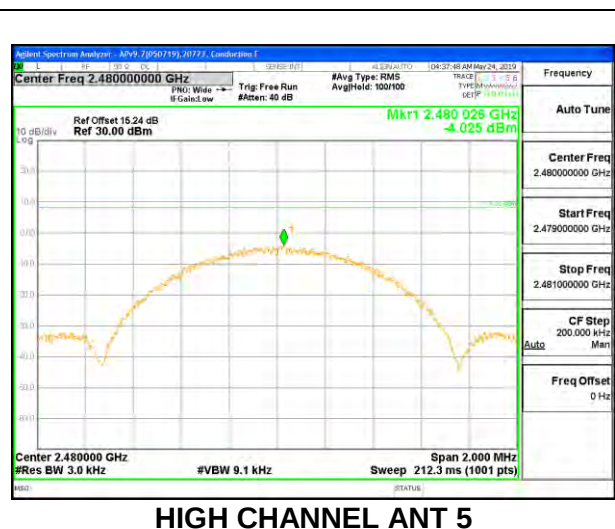
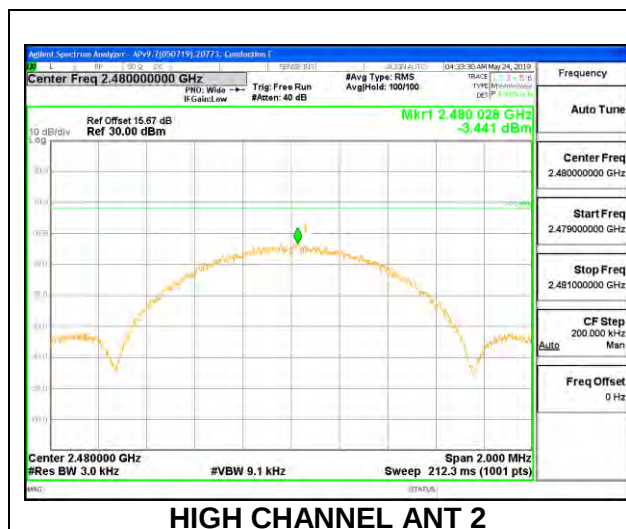
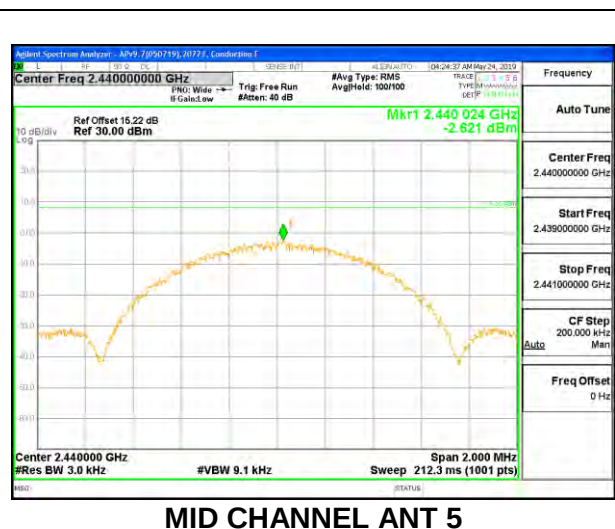
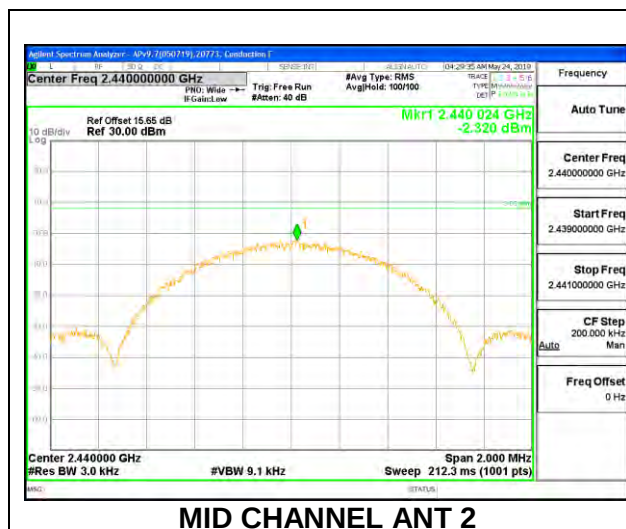
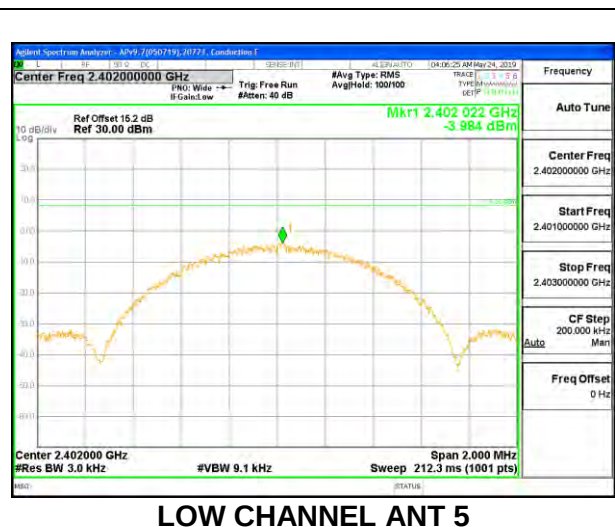
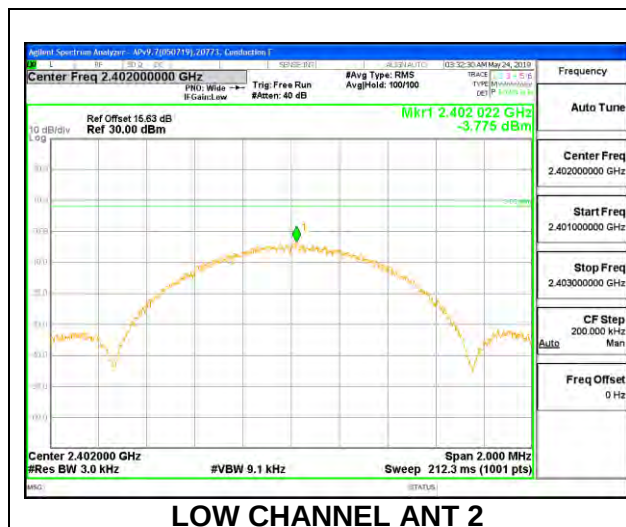


8.12.3. LOW POWER BLE (1Mbps)

Duty Cycle CF (dB)		Included in Calculations of Corr'd PSD
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PSD Results

Channel	Frequency (MHz)	ANT 2 Meas (dBm/ 3kHz)	ANT 5 Meas (dBm/ 3kHz)	Total Corr'd PSD (dBm/ 3kHz)	Limit (dBm/ 3kHz)	Margin (dB)
Low	2402	-3.78	-3.98	-0.87	8.0	-8.9
Mid	2440	-2.32	-2.62	0.54	8.0	-7.5
Hjigh	2480	-3.44	-4.03	-0.71	8.0	-8.7

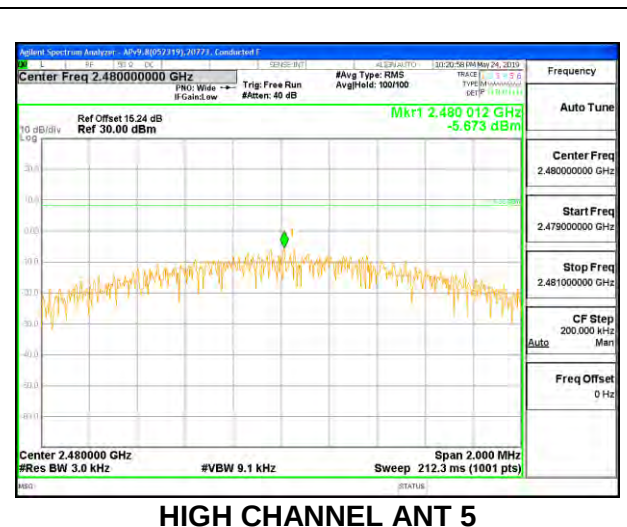
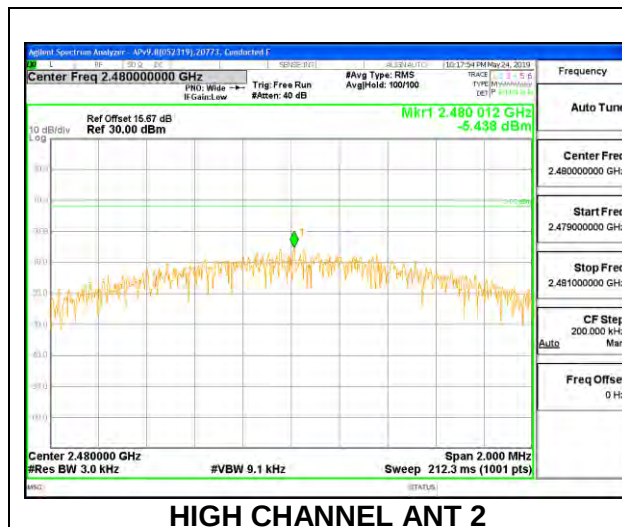
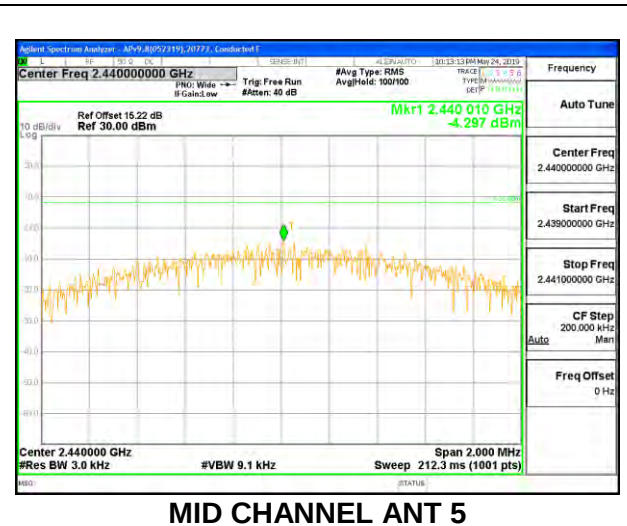
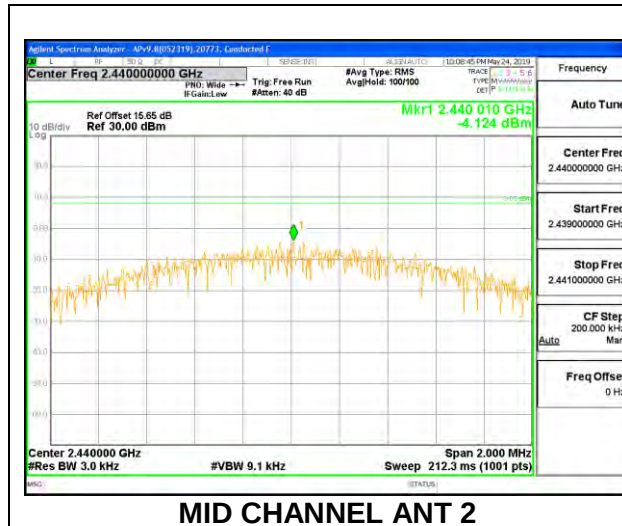
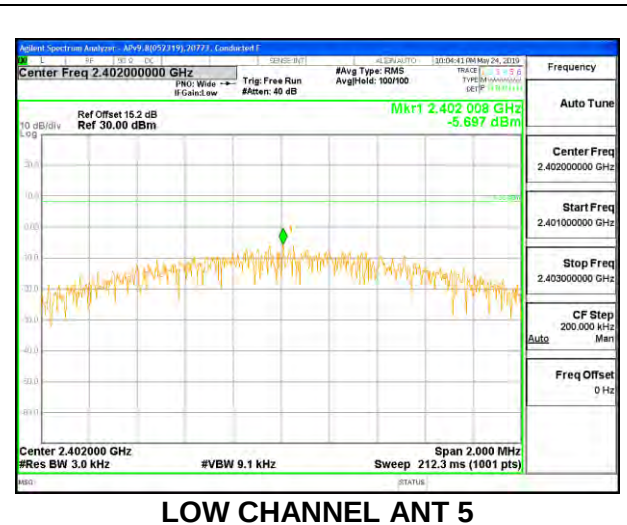
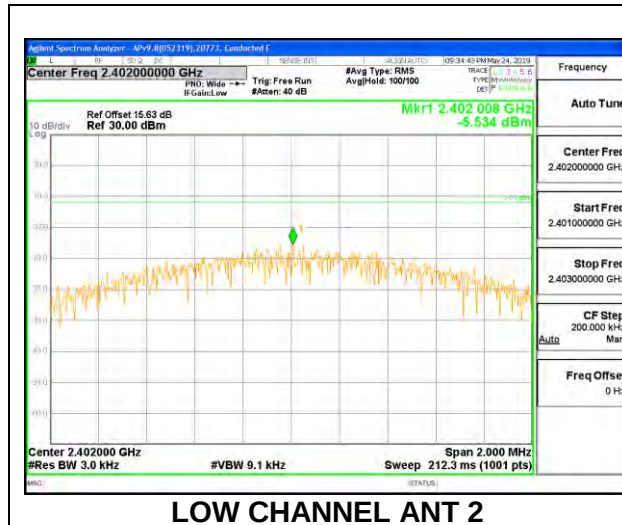


8.12.4. LOW POWER BLE (2Mbps)

Duty Cycle CF (dB)		Included in Calculations of Corr'd PSD
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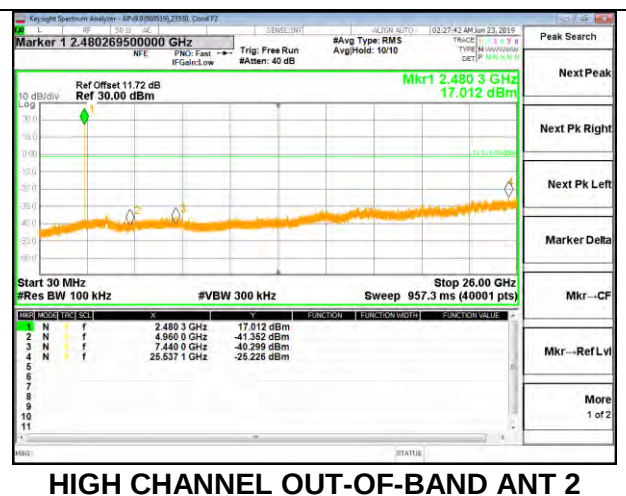
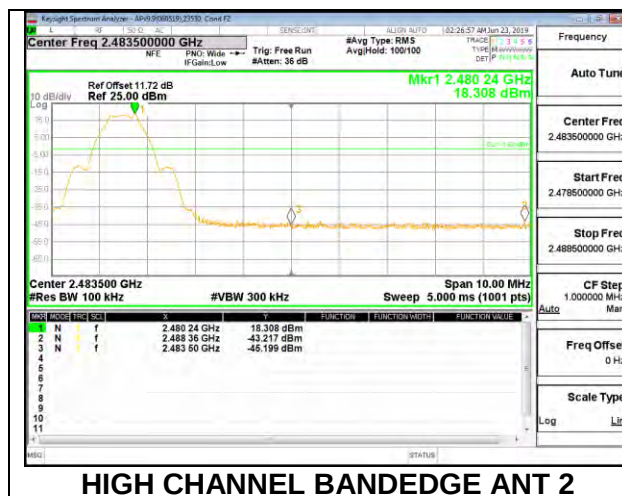
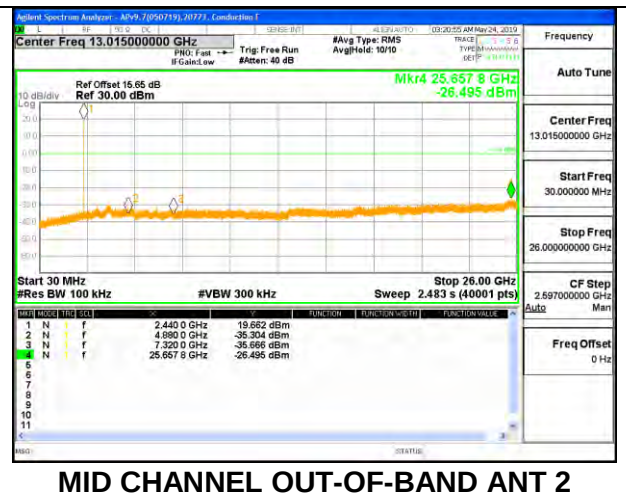
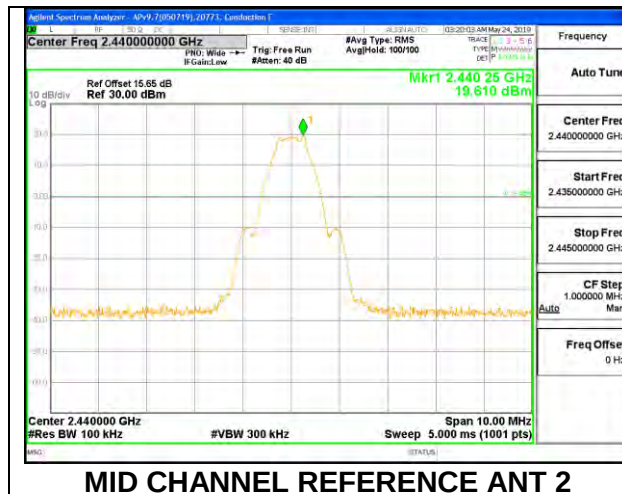
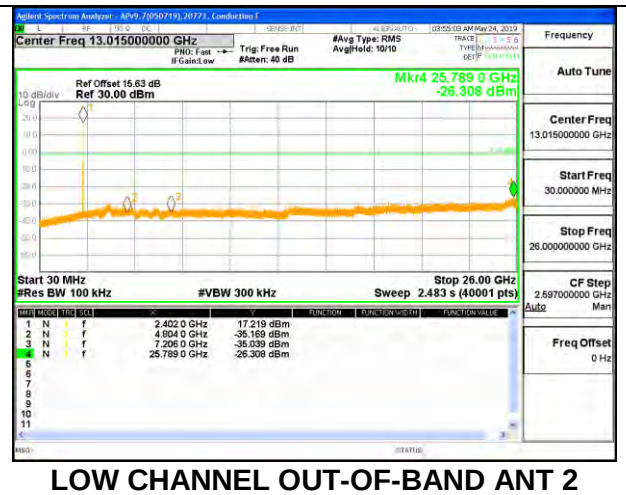
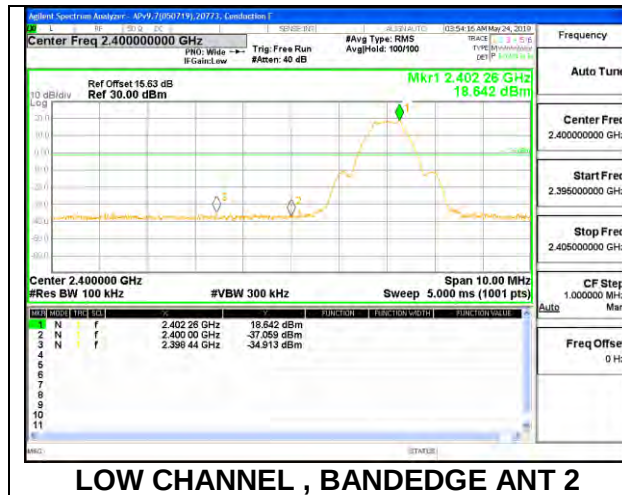
PSD Results

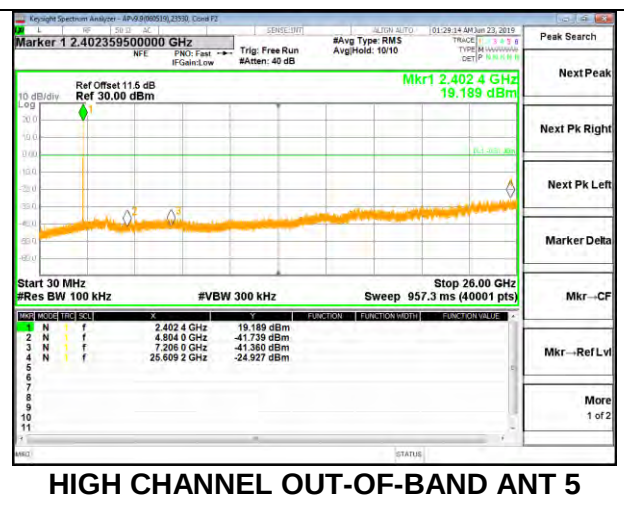
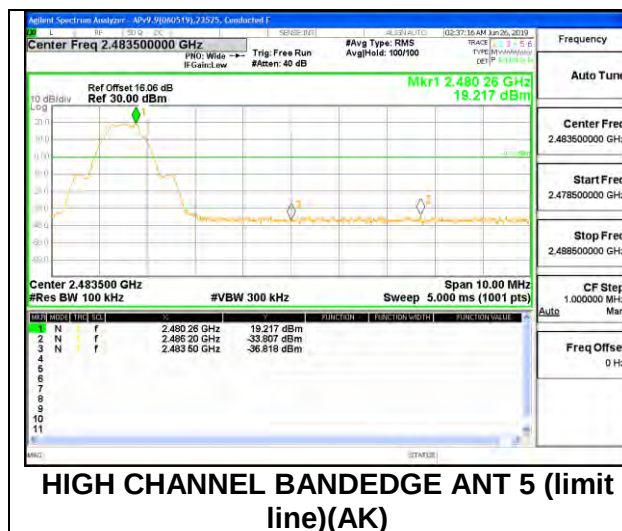
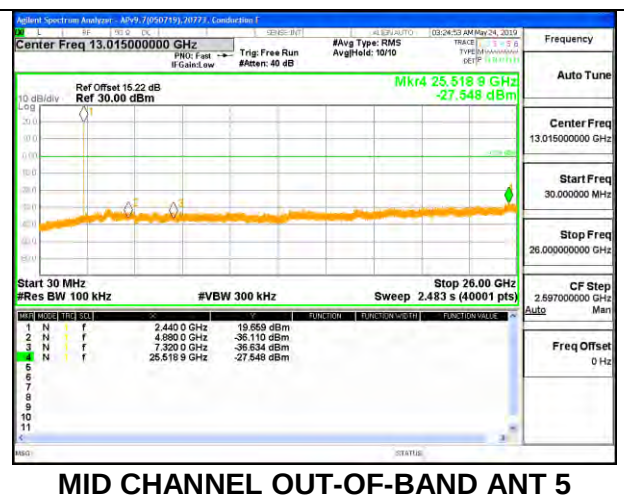
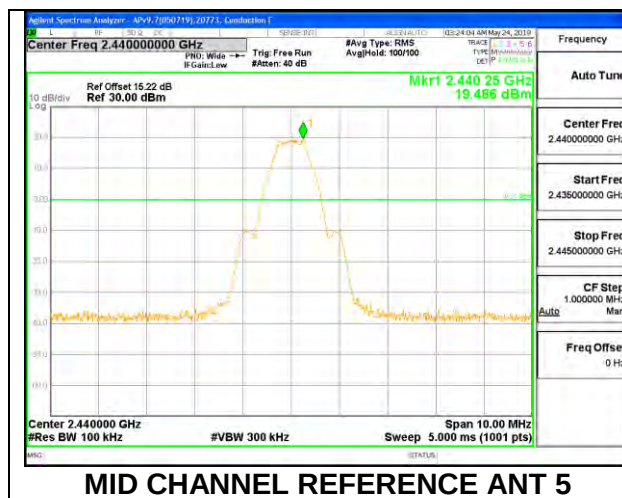
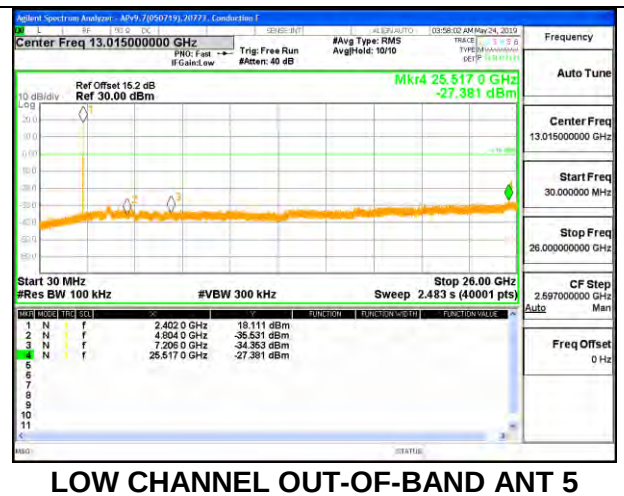
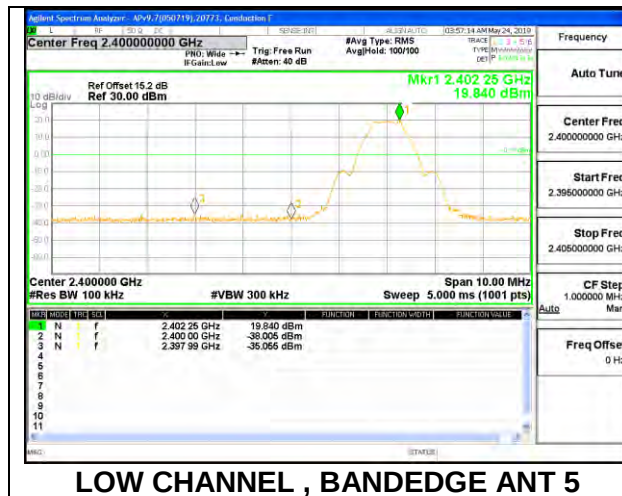
Channel	Frequency (MHz)	ANT 2 Meas (dBm/ 3kHz)	ANT 5 Meas (dBm/ 3kHz)	Total Corr'd PSD (dBm/ 3kHz)	Limit (dBm/ 3kHz)	Margin (dB)
Low	2402	-5.53	-5.70	-2.60	8.0	-10.6
Mid	2440	-4.12	-4.30	-1.20	8.0	-9.2
Hjigh	2480	-5.44	-5.67	-2.54	8.0	-10.5



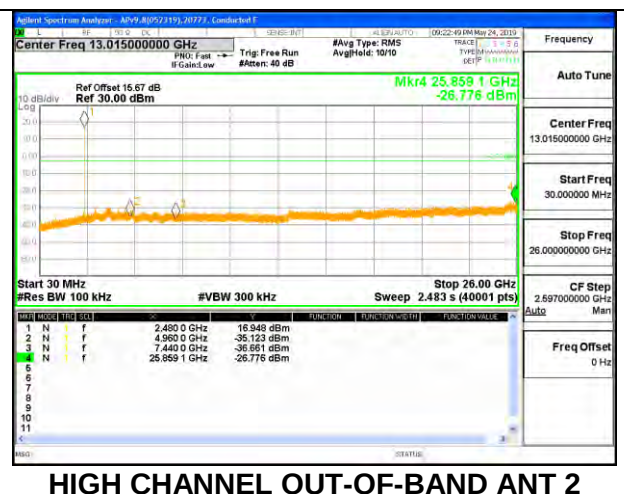
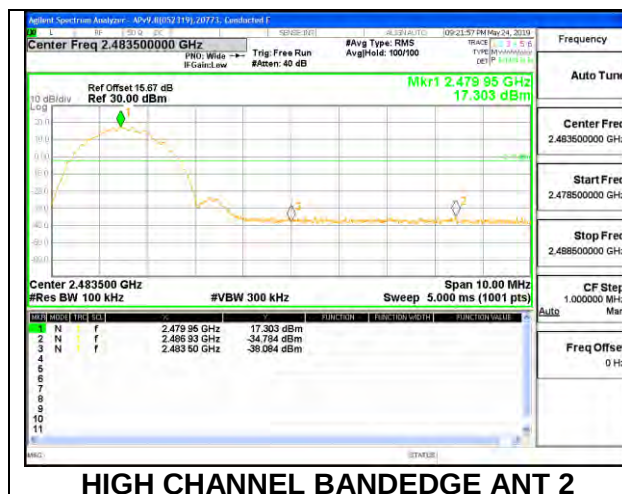
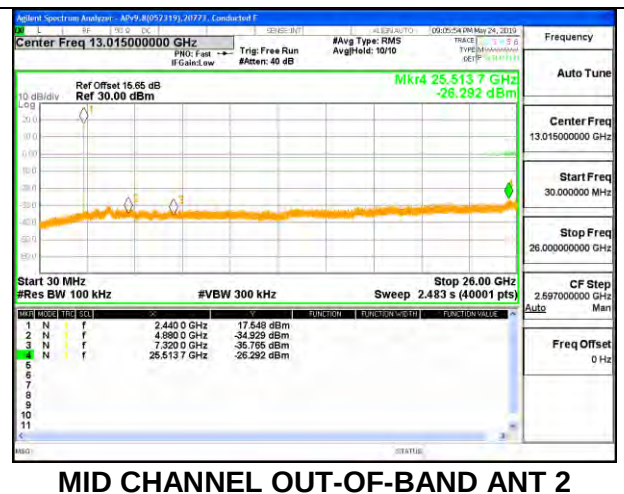
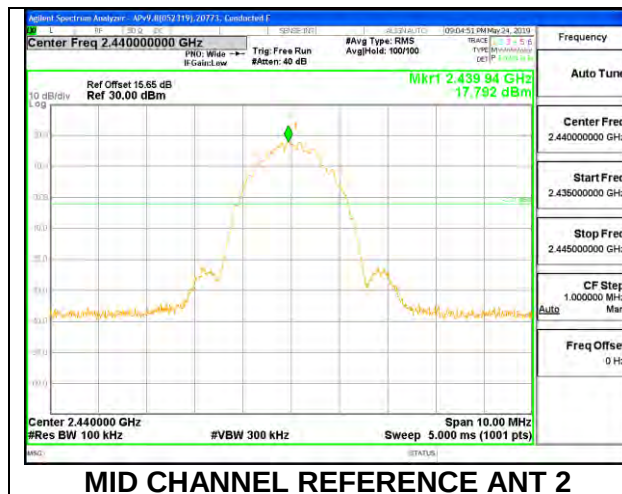
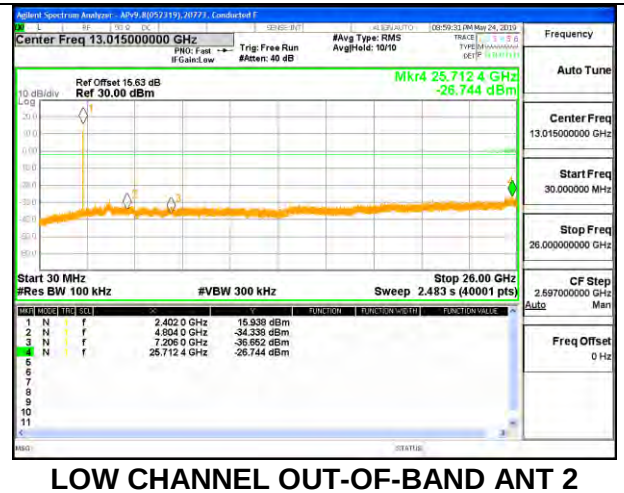
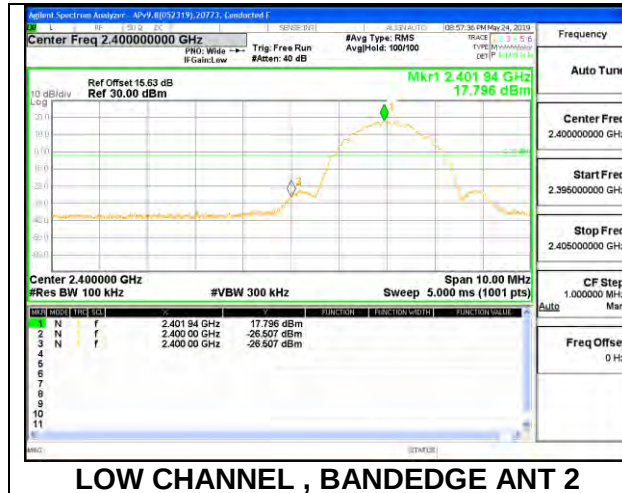
8.13. BEAMFORMING, CONDUCTED SPURIOUS

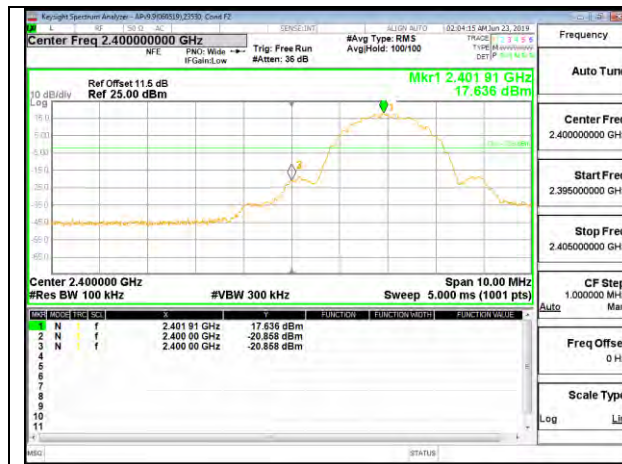
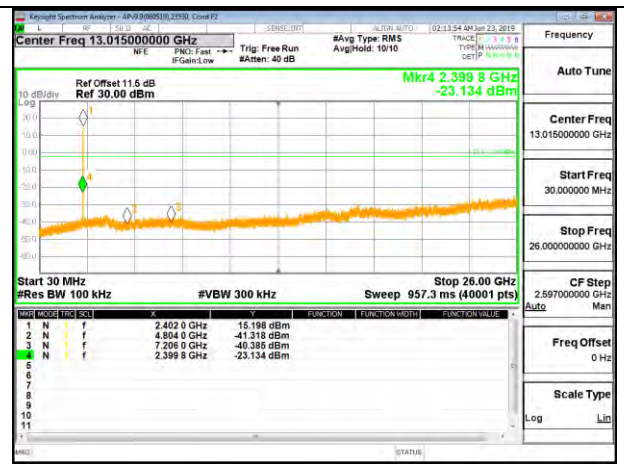
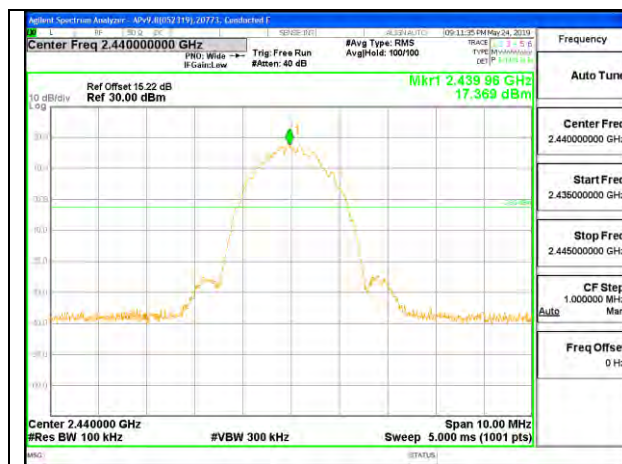
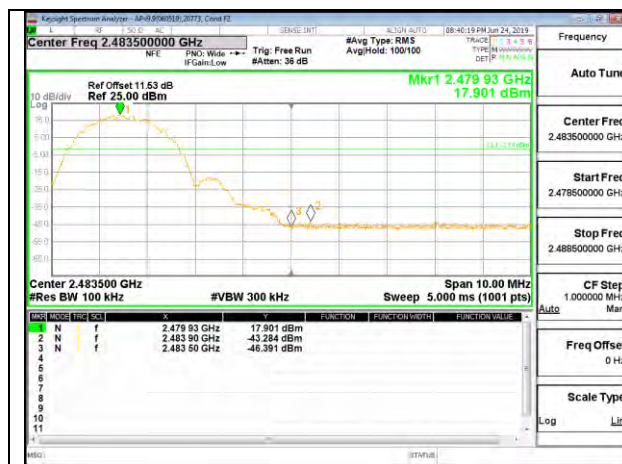
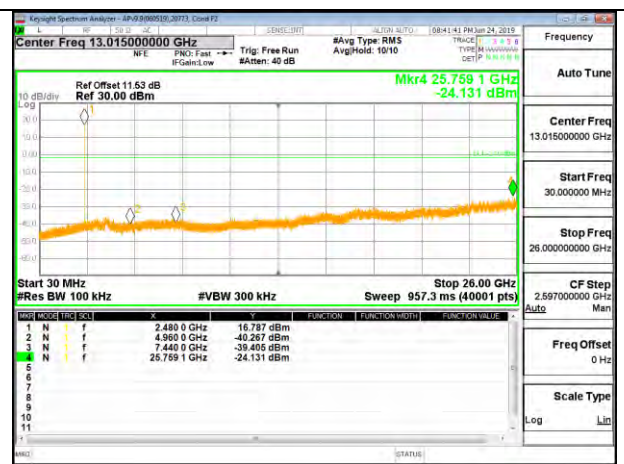
8.13.1. HIGH POWER BLE (1Mbps)



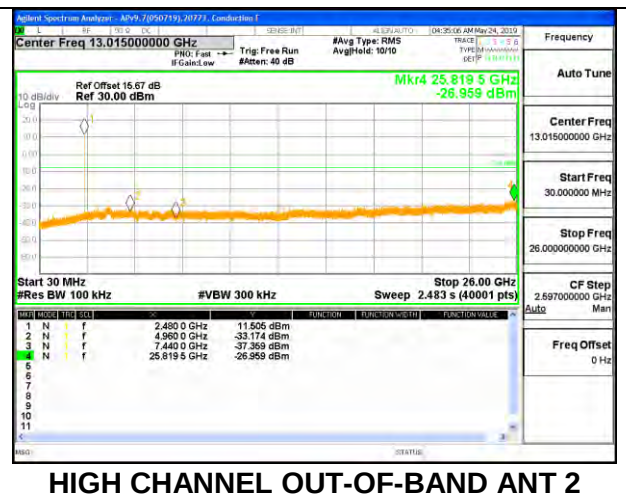
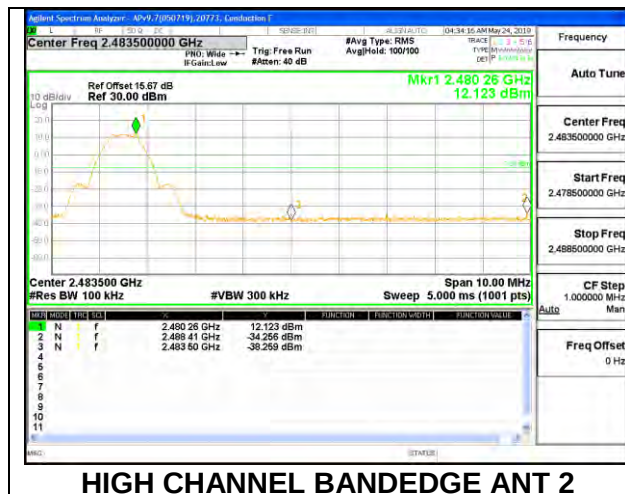
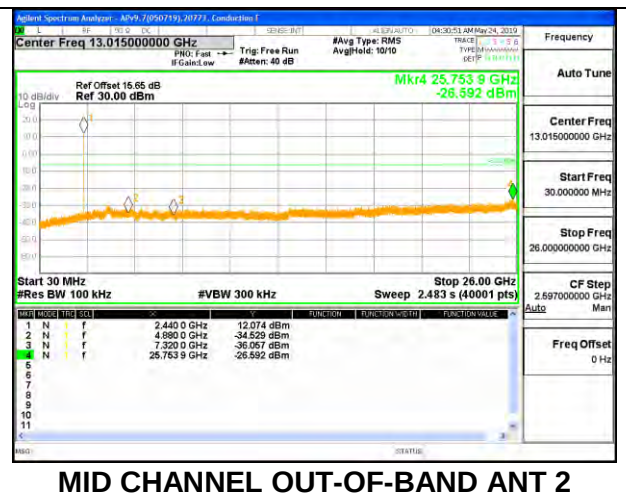
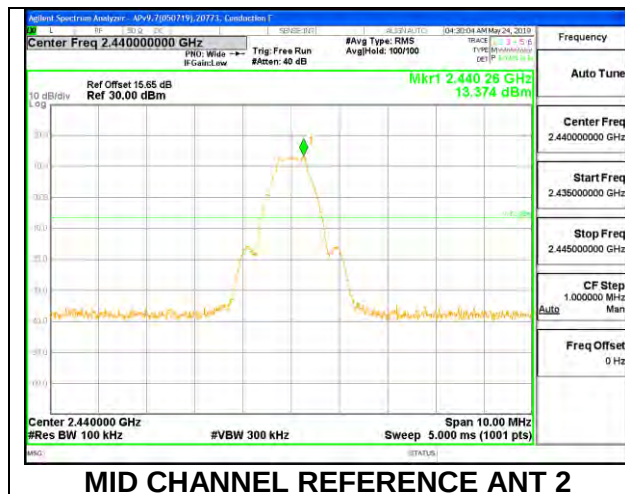
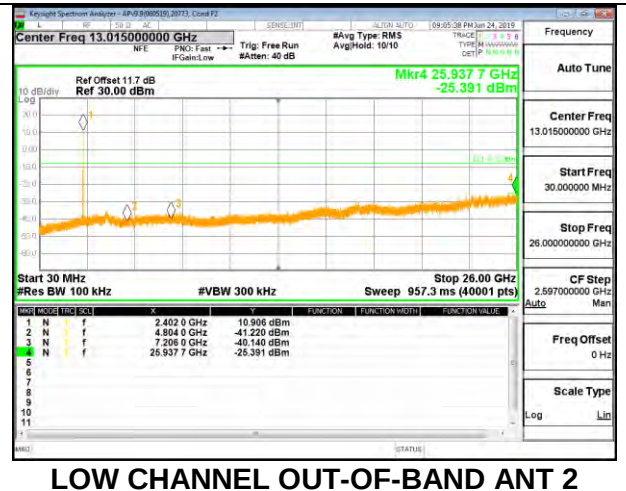
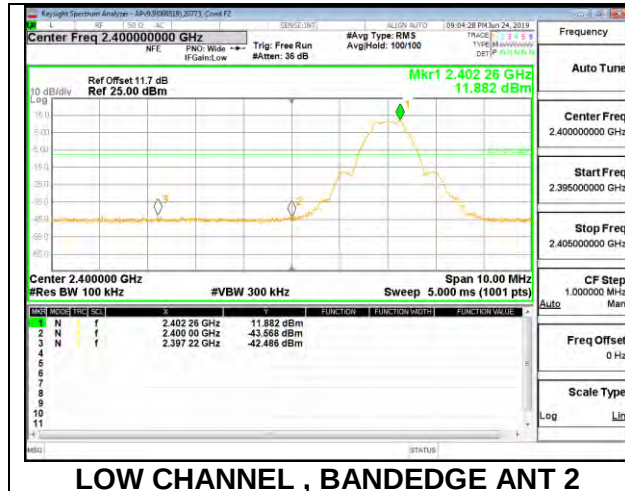
HIGH POWER (1Mbps)

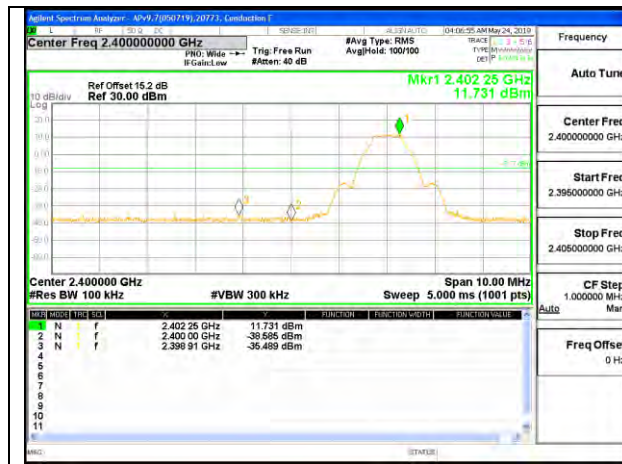
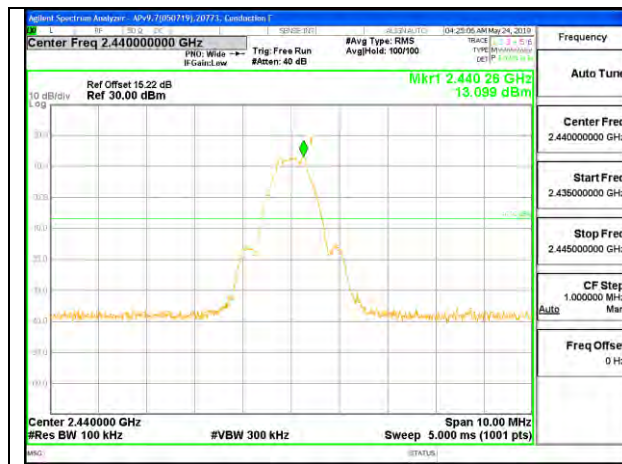
8.13.2. HIGH POWER BLE (2Mbps)



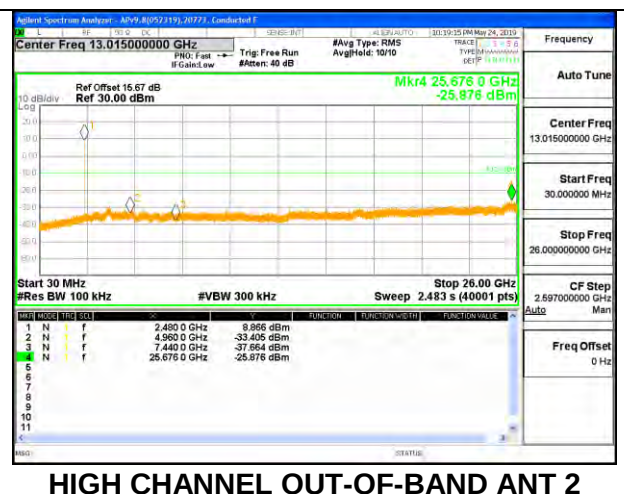
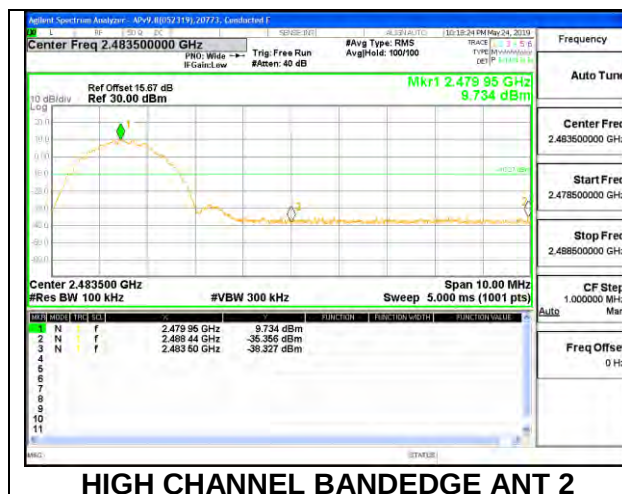
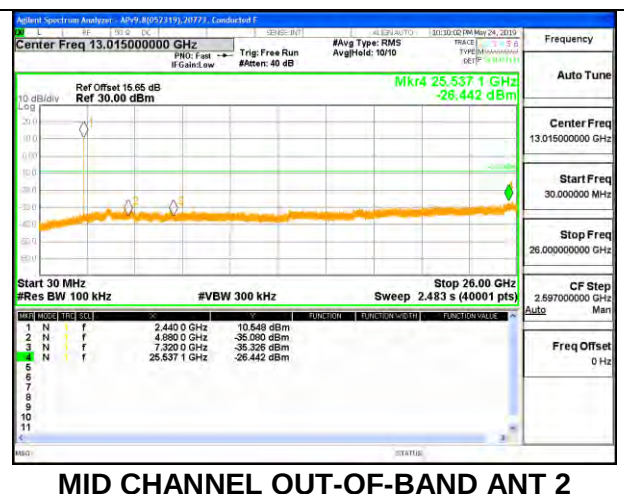
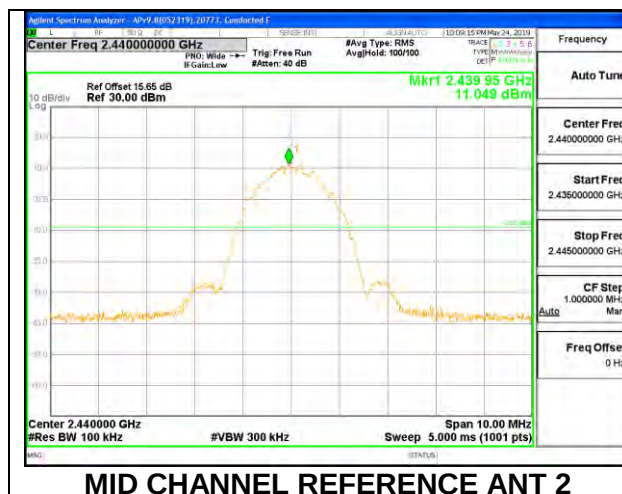
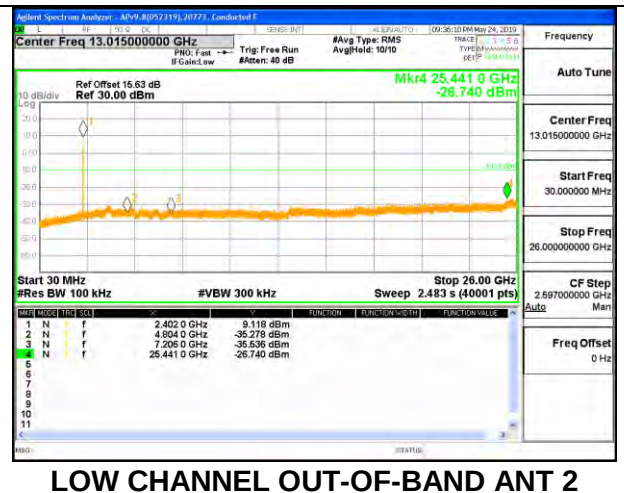
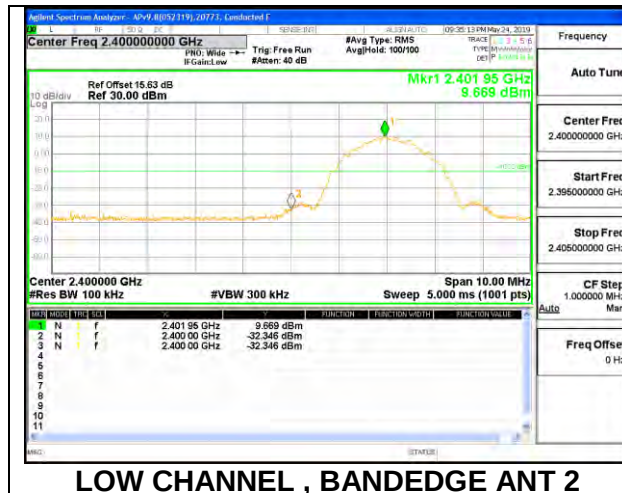
HIGH POWER (2Mbps)**LOW CHANNEL , BANDEDGE ANT 5****LOW CHANNEL OUT-OF-BAND ANT 5****MID CHANNEL REFERENCE ANT 5****MID CHANNEL OUT-OF-BAND ANT 5****HIGH CHANNEL BANDEDGE ANT 5****HIGH CHANNEL OUT-OF-BAND ANT 5**

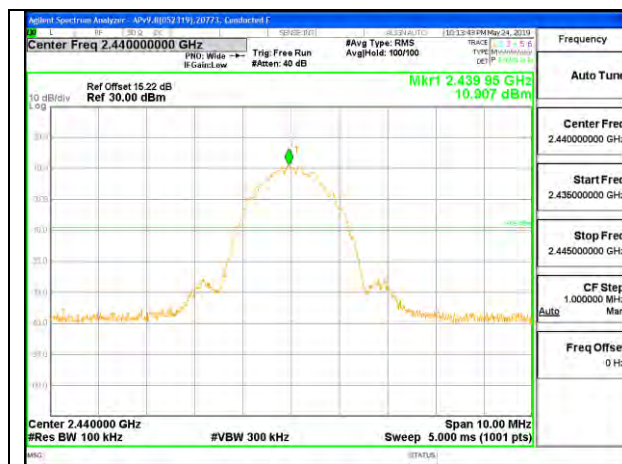
8.13.3. LOW POWER BLE (1Mbps)



LOW POWER (1Mbps)**LOW CHANNEL , BANDEDGE ANT 5****LOW CHANNEL OUT-OF-BAND ANT 5****MID CHANNEL REFERENCE ANT 5****MID CHANNEL OUT-OF-BAND ANT 5****HIGH CHANNEL BANDEDGE ANT 5****HIGH CHANNEL OUT-OF-BAND ANT 5**

8.13.4. LOW POWER BLE (2Mbps)



LOW POWER (2Mbps)**LOW CHANNEL , BANDEDGE ANT 5****LOW CHANNEL OUT-OF-BAND ANT 5****MID CHANNEL REFERENCE ANT 5****MID CHANNEL OUT-OF-BAND ANT 5****HIGH CHANNEL BANDEDGE ANT 5****HIGH CHANNEL OUT-OF-BAND ANT 5**

Note: Test procedures and setting are same as BLE normal mode.

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.

For below 30MHz testing, investigation was done on three antenna orientations (parallel, perpendicular, and ground-parallel), parallel and perpendicular are the worst orientations, therefore testing was performed on these two orientations only.

KDB 414788 Open Field Site(OFS) and Chamber Correlation Justification

Base on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field.

OFS and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

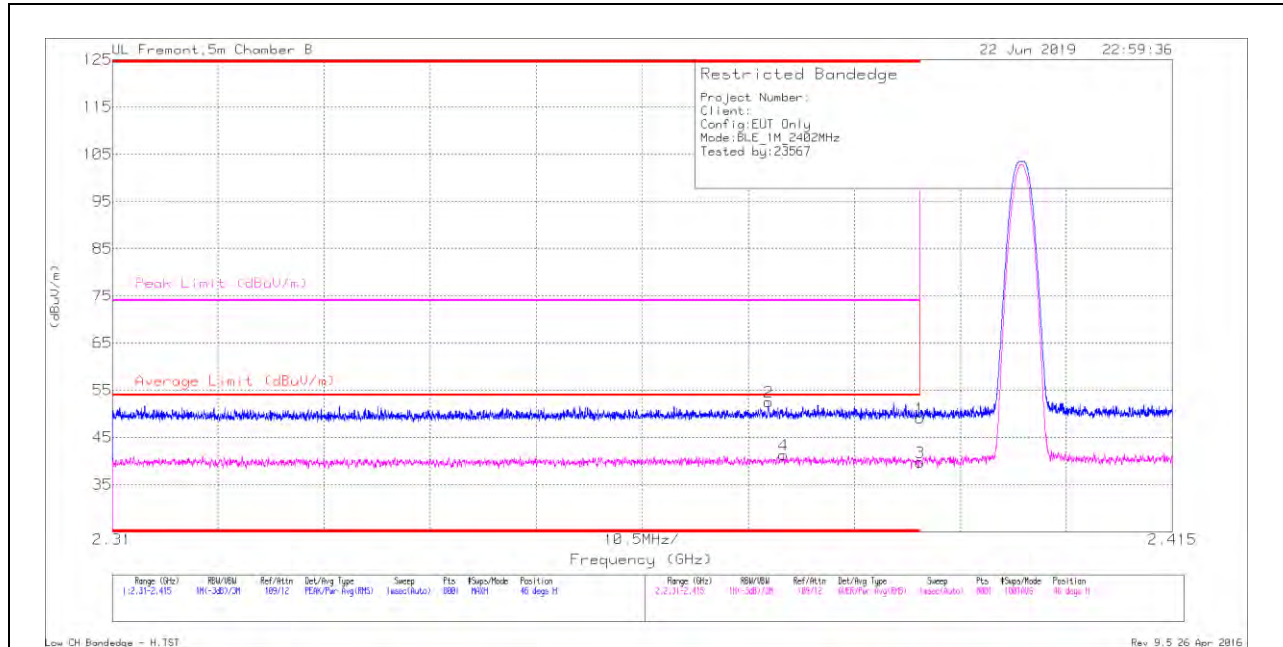
9.2. TRANSMITTER ABOVE 1 GHz

9.2.1. HIGH POWER BLE (1Mbps)

Antenna 2

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



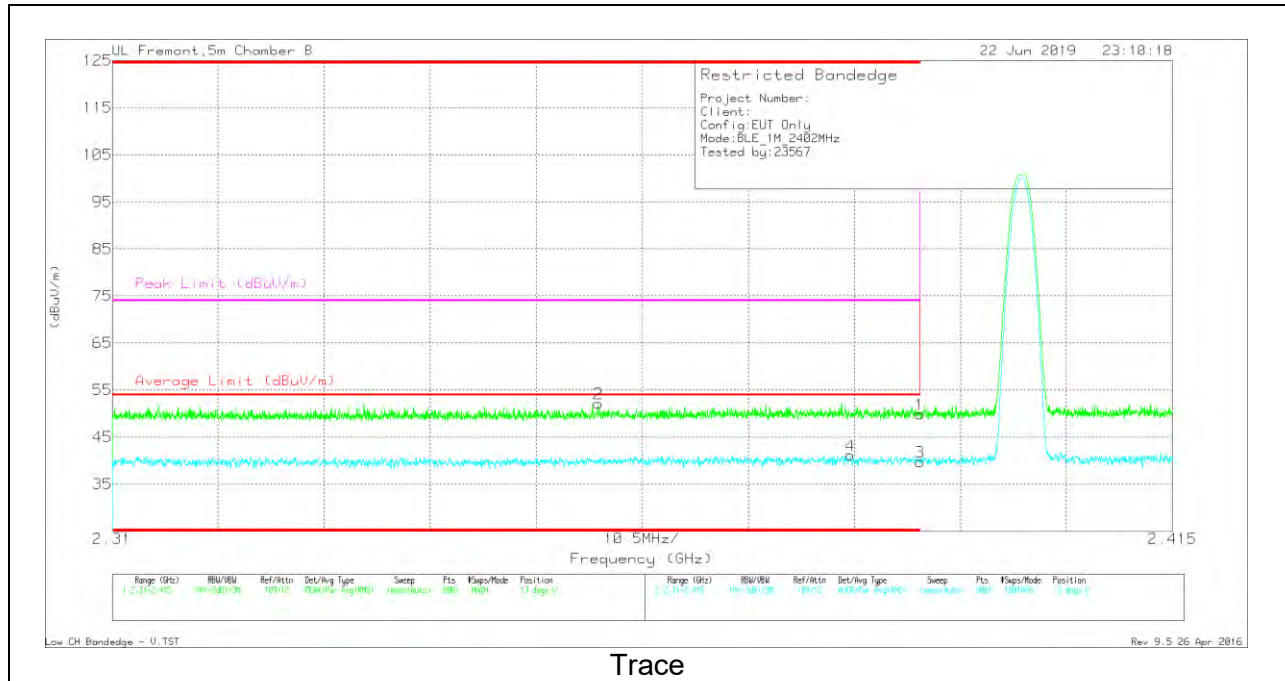
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cb/Fltr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	36.11	Pk	31.9	-18.9	49.11	-	-	74	-24.89	46	125	H
2	* 2.375	39.62	Pk	31.8	-18.9	52.52	-	-	74	-21.48	46	125	H
3	* 2.39	26.77	RMS	31.9	-18.9	39.77	54	-14.23	-	-	46	125	H
4	* 2.376	28.32	RMS	31.8	-18.8	41.32	54	-12.68	-	-	46	125	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



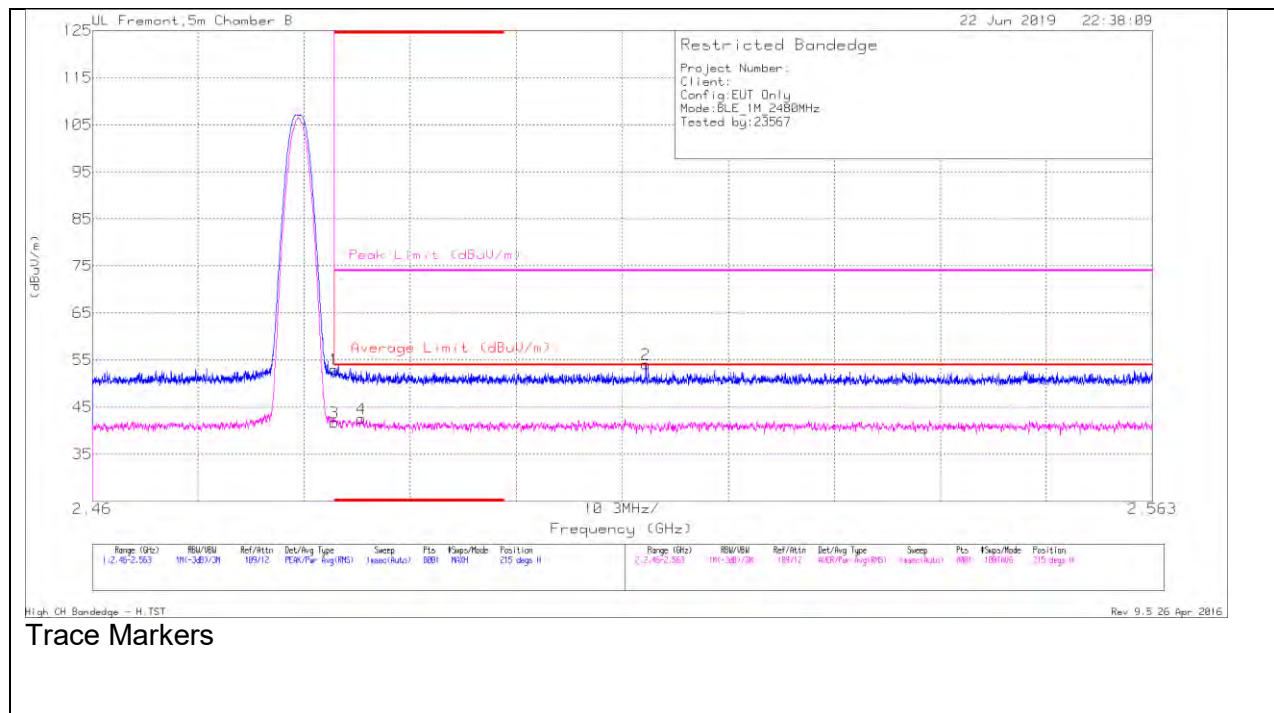
Trace

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT344 (dB/m)	Amp/Cb/Fltr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	36.84	Pk	31.9	-18.9	49.84	-	-	74	-24.16	13	357	V
2	* 2.358	39.31	Pk	31.7	-18.9	52.11	-	-	74	-21.89	13	357	V
3	* 2.39	26.8	RMS	31.9	-18.9	39.8	54	-14.2	-	-	13	357	V
4	* 2.383	28.16	RMS	31.8	-18.8	41.16	54	-12.84	-	-	13	357	V

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

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

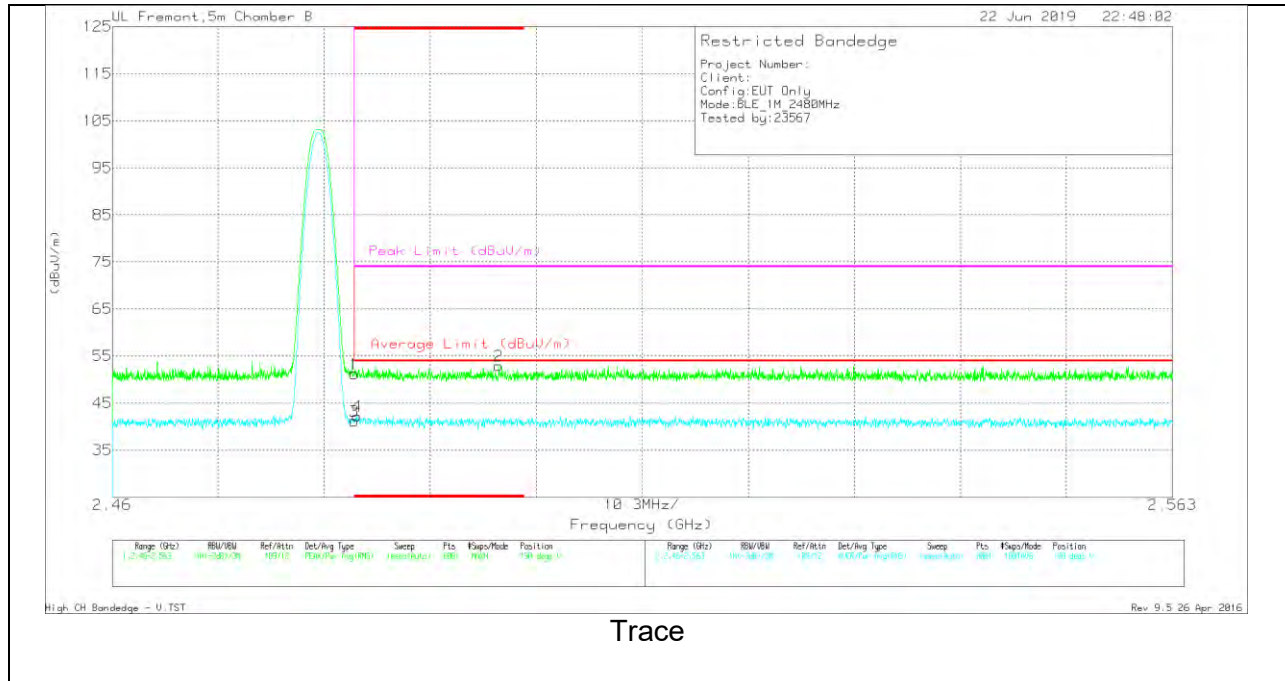
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cb/Ftr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	39.66	Pk	32.3	-18.9	53.06	-	-	74	-20.94	215	120	H
3	* 2.484	28.4	RMS	32.3	-18.9	41.8	54	-12.2	-	-	215	120	H
4	* 2.486	29.19	RMS	32.3	-18.9	42.59	54	-11.41	-	-	215	120	H
2	2.514	40.63	Pk	32.4	-18.9	54.13	-	-	74	-19.87	215	120	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

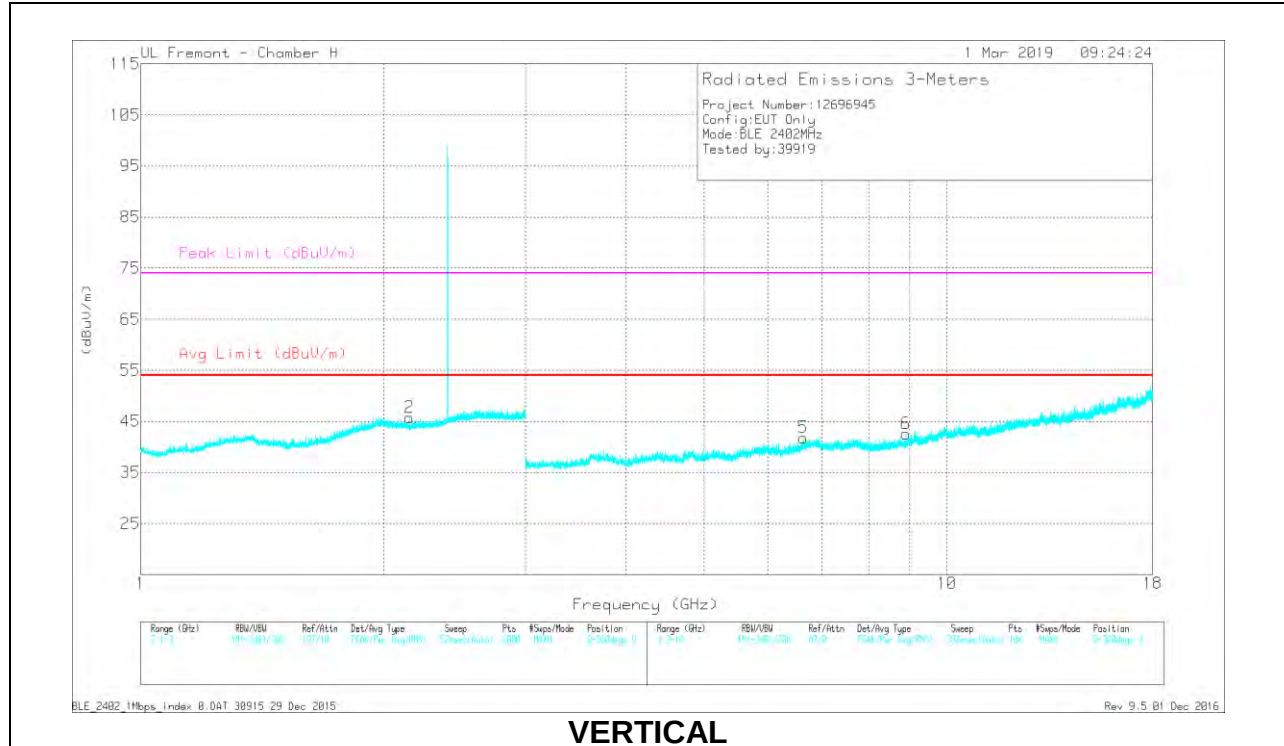
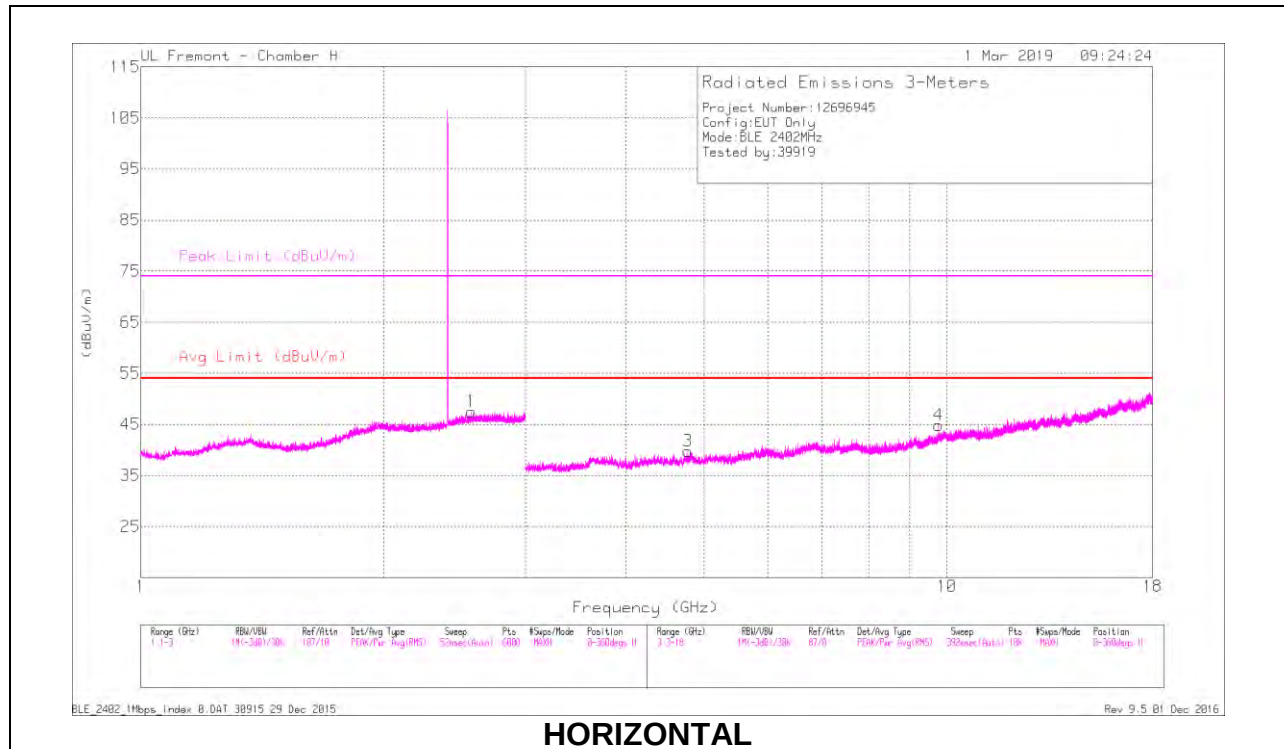


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT344 (dB/m)	Amp/Cb/Ftr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	37.87	Pk	32.3	-18.9	51.27	-	-	74	-22.73	190	370	V
3	* 2.484	27.84	RMS	32.3	-18.9	41.24	54	-12.76	-	-	190	370	V
4	* 2.484	28.85	RMS	32.3	-18.9	42.25	54	-11.75	-	-	190	370	V
2	* 2.498	39.52	Pk	32.3	-18.9	52.92	-	-	74	-21.08	190	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	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Ampl/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
3	* 4.776	42.12	PK2	34.1	-30.1	46.12	-	-	74	-27.88	266	378	H
	* 4.776	30.42	MAv1	34.1	-30.1	34.42	54	-19.58	-	-	266	378	H
2	2.155	44.63	PK2	31.2	-24	51.83	-	-	-	-	332	204	V
1	2.579	44.24	PK2	32.4	-23.2	53.44	-	-	-	-	47	354	H
5	6.639	40.12	PK2	36.6	-28.6	48.12	-	-	-	-	148	129	V
6	8.906	37.63	PK2	36.1	-25.8	47.93	-	-	-	-	328	209	V
4	9.767	37.09	PK2	37	-24	50.09	-	-	-	-	27	266	H

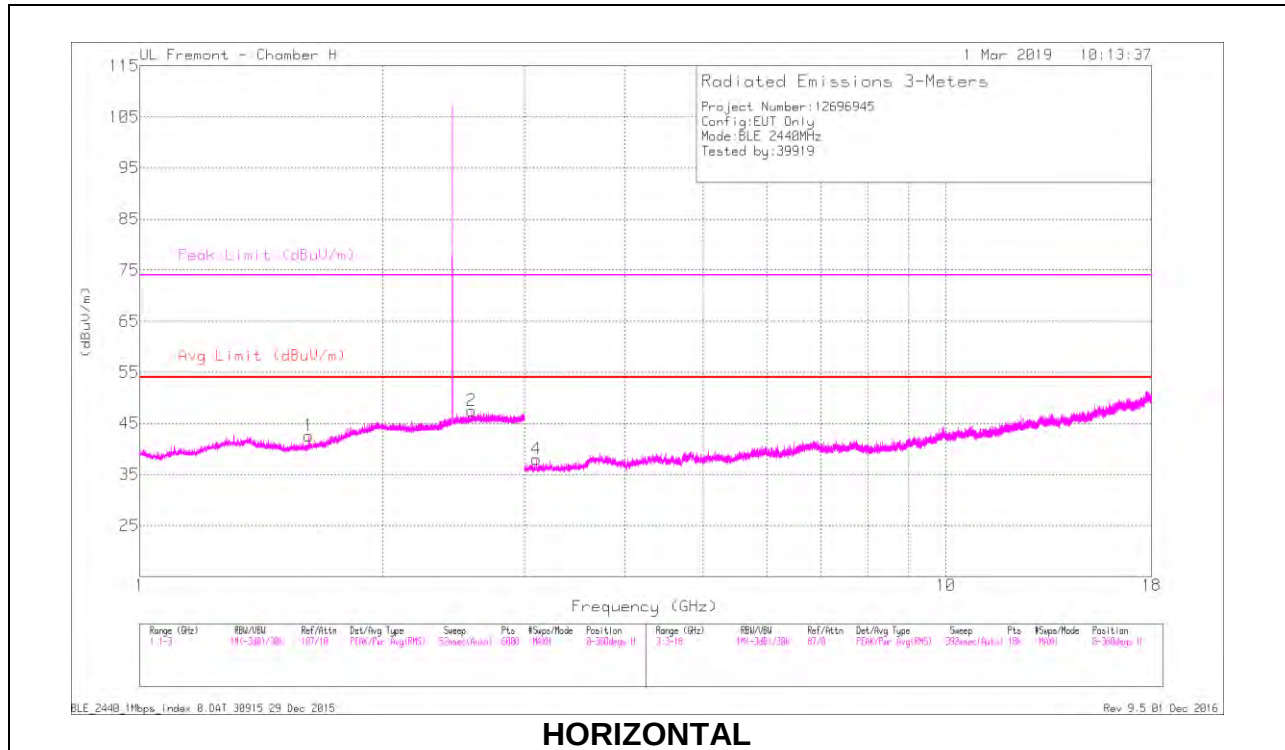
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Av - Average detection

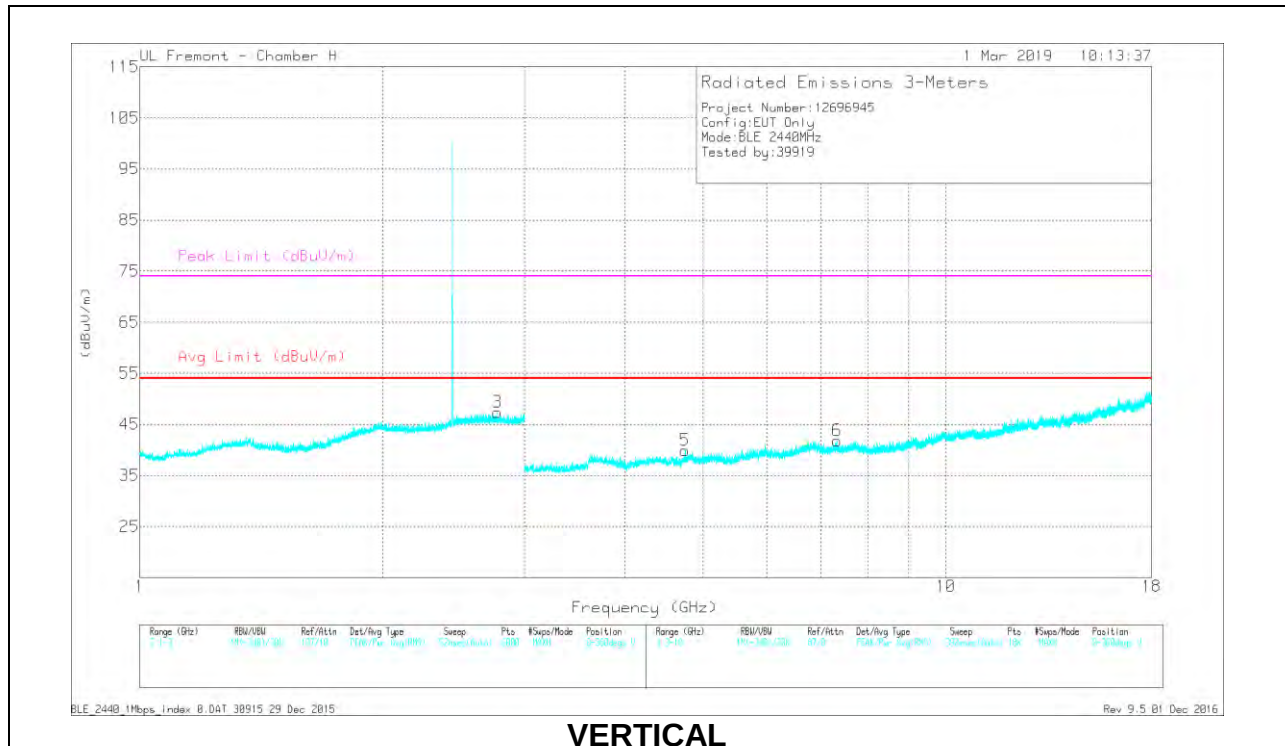
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

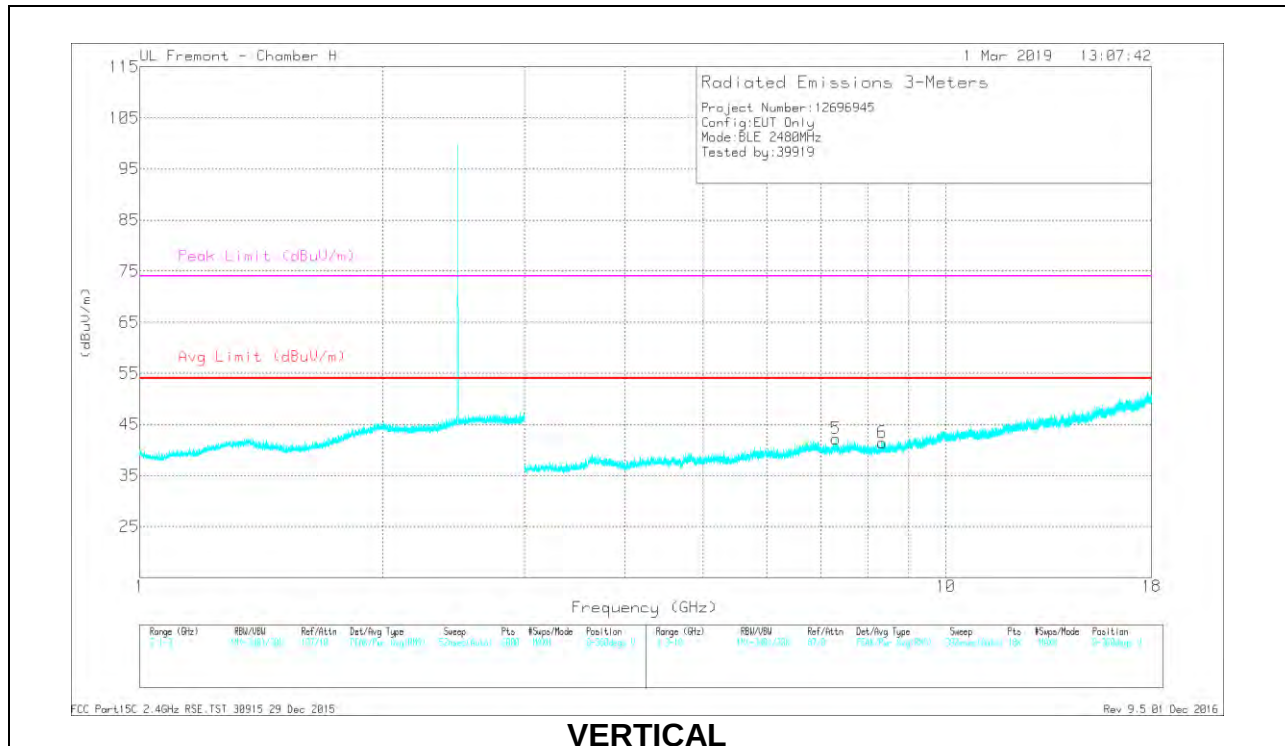
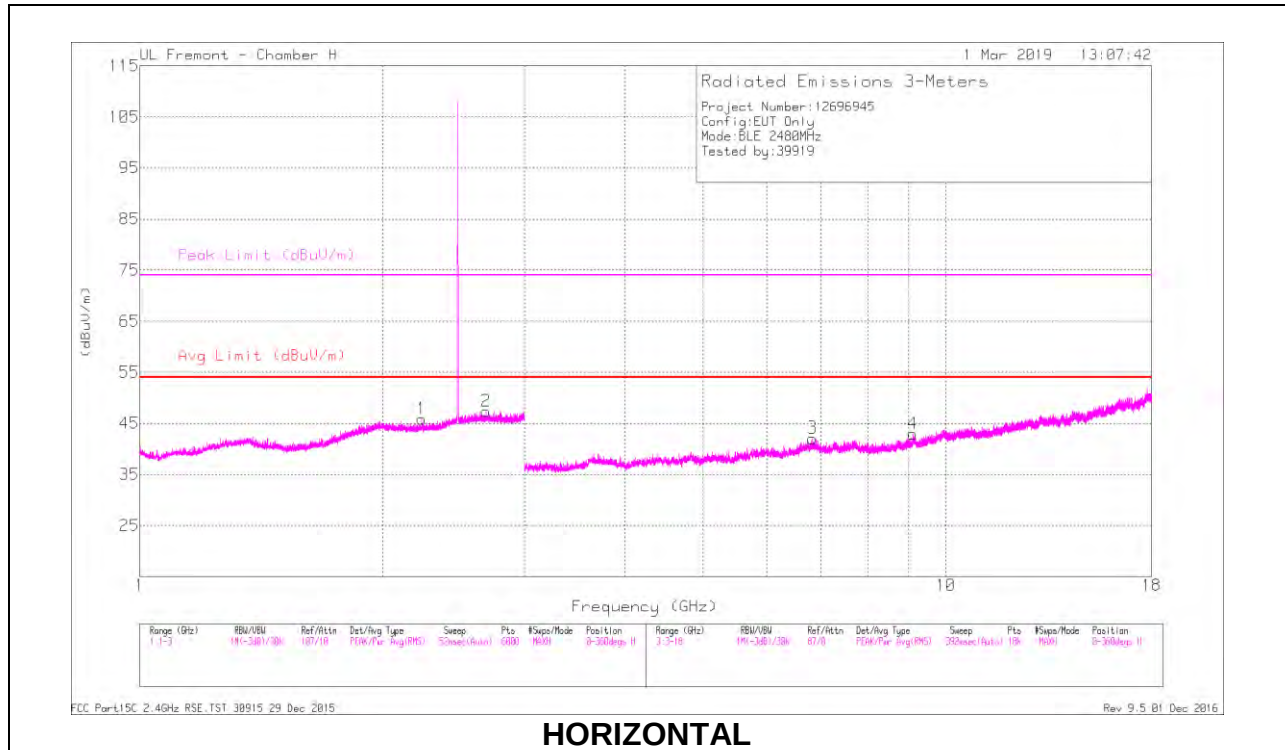
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Ampl/Cbl/Filtr/ Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.623	45.29	PK2	28.2	-24.6	48.89	-	-	74	-25.11	92	120	H
	* 1.621	32.8	MAv1	28.1	-24.6	36.3	54	-17.7	-	-	92	120	H
3	* 2.778	44.21	PK2	32.5	-23.1	53.61	-	-	74	-20.39	198	199	V
	* 2.777	32.23	MAv1	32.5	-23.1	41.63	54	-12.37	-	-	198	199	V
5	* 4.746	41.68	PK2	34	-30	45.68	-	-	74	-28.32	70	180	V
	* 4.745	30.32	MAv1	34	-30	34.32	54	-19.68	-	-	70	180	V
6	* 7.328	38.07	PK2	36.4	-26.6	47.87	-	-	74	-26.13	100	382	V
	* 7.33	26.47	MAv1	36.4	-26.6	36.27	54	-17.73	-	-	100	382	V
2	2.579	44.24	PK2	32.4	-23.2	53.44	-	-	-	-	47	354	H
4	3.104	42.92	PK2	32.7	-30.8	44.82	-	-	-	-	47	100	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



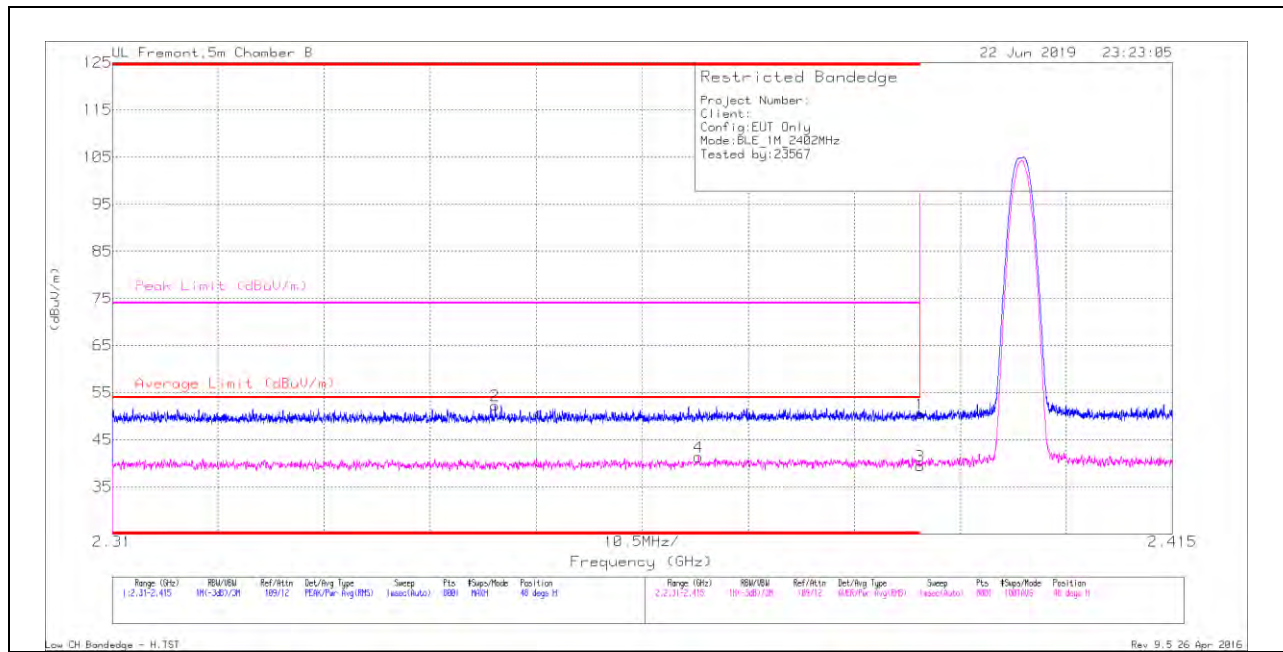
RADIATED EMISSIONS

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Ampl/Cbl/Filtr/ Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.238	44.23	PK2	31.4	-23.8	51.83	-	-	74	-22.17	268	386	H
	* 2.24	32.4	MAv1	31.4	-23.8	40	54	-14	-	-	268	386	H
2	* 2.689	44.34	PK2	32.6	-23.1	53.84	-	-	74	-20.16	29	281	H
	* 2.69	32.17	MAv1	32.6	-23.1	41.67	54	-12.33	-	-	29	281	H
4	* 9.101	36.18	PK2	36.3	-23.9	48.58	-	-	74	-25.42	190	183	H
	* 9.1	24.7	MAv1	36.3	-23.9	37.1	54	-16.9	-	-	190	183	H
5	* 7.309	38.79	PK2	36.4	-26.4	48.79	-	-	74	-25.21	238	215	V
	* 7.308	26.76	MAv1	36.4	-26.4	36.76	54	-17.24	-	-	238	215	V
6	* 8.335	37.54	PK2	35.8	-25.7	47.64	-	-	74	-26.36	177	113	V
	* 8.335	26.4	MAv1	35.8	-25.7	36.5	54	-17.5	-	-	177	113	V
3	6.836	38.17	PK2	35.8	-25.7	48.27	-	-	74	-25.73	207	188	H

* - 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	AFT344 (dB/m)	Amp/Cb/Ftr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	37.49	Pk	31.9	-18.9	50.49	-	-	74	-23.51	48	244	H
2	* 2.348	39.55	Pk	31.6	-18.9	52.25	-	-	74	-21.75	48	244	H
3	* 2.39	26.46	RMS	31.9	-18.9	39.46	54	-14.54	-	-	48	244	H
4	* 2.368	28.49	RMS	31.8	-18.9	41.39	54	-12.61	-	-	48	244	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

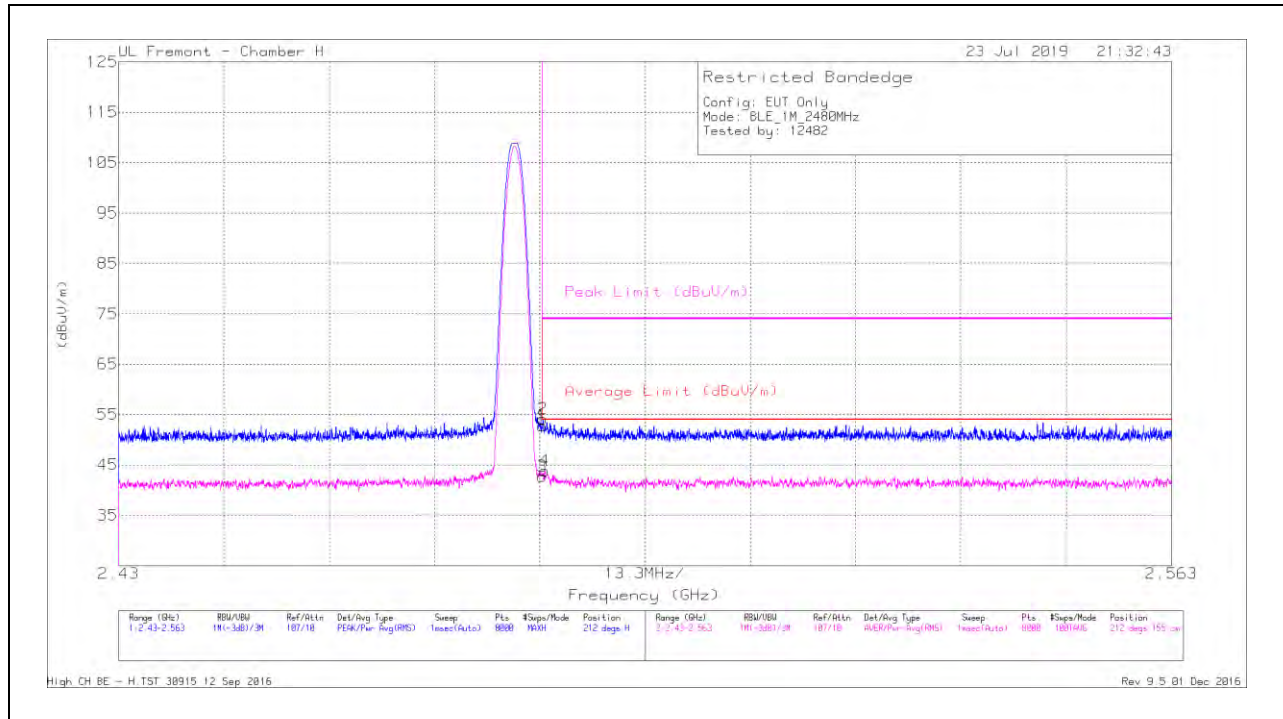


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cb/Ftr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	36.35	Pk	31.9	-18.9	49.35	-	-	74	-24.65	179	393	V
2	* 2.321	40.2	Pk	31.7	-19	52.9	-	-	74	-21.1	179	393	V
3	* 2.39	26.84	RMS	31.9	-18.9	39.84	54	-14.16	-	-	179	393	V
4	* 2.377	28.63	RMS	31.8	-18.8	41.63	54	-12.37	-	-	179	393	V

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

Pk - Peak detector

RMS - RMS detection

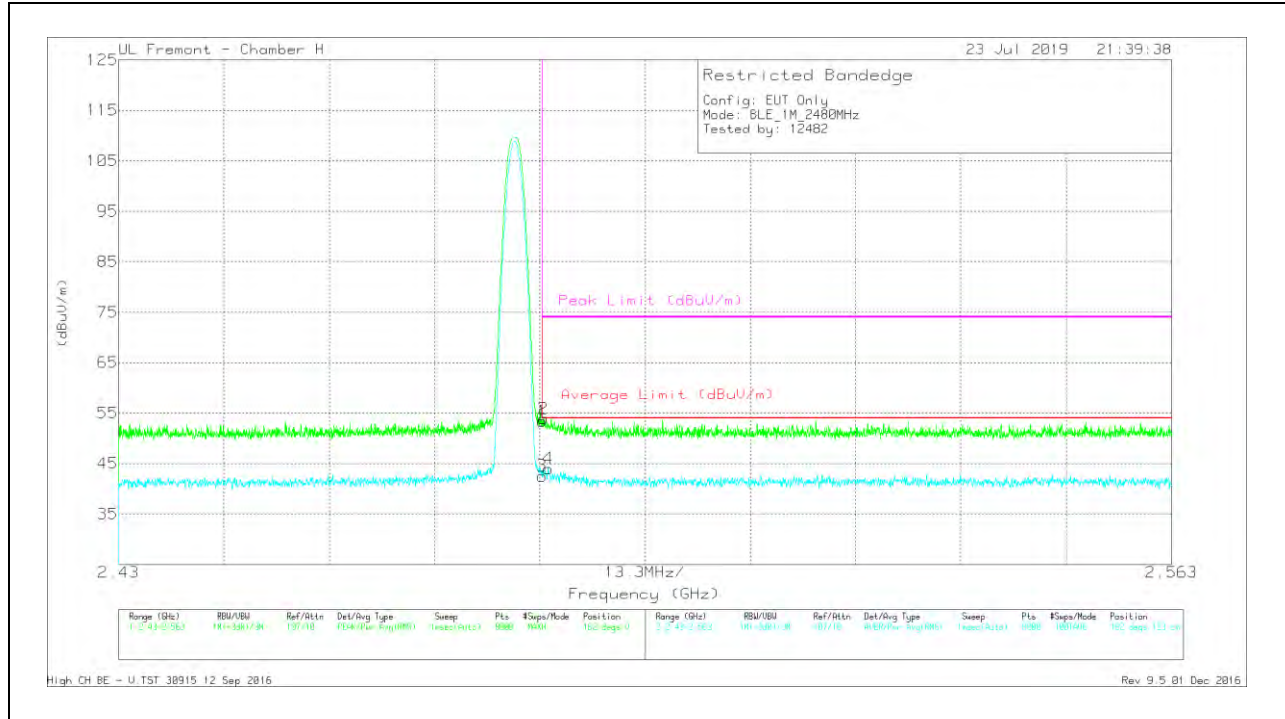
BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/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	43.54	Pk	32.5	-23.3	52.74	-	-	74	-21.26	212	155	H
2	* 2.484	44.96	Pk	32.5	-23.3	54.16	-	-	74	-19.84	212	155	H
3	* 2.484	33.5	RMS	32.5	-23.3	42.7	54	-11.3	-	-	212	155	H
4	* 2.484	34.65	RMS	32.5	-23.3	43.85	54	-10.15	-	-	212	155	H

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

Pk - Peak detector

VERTICAL RESULT

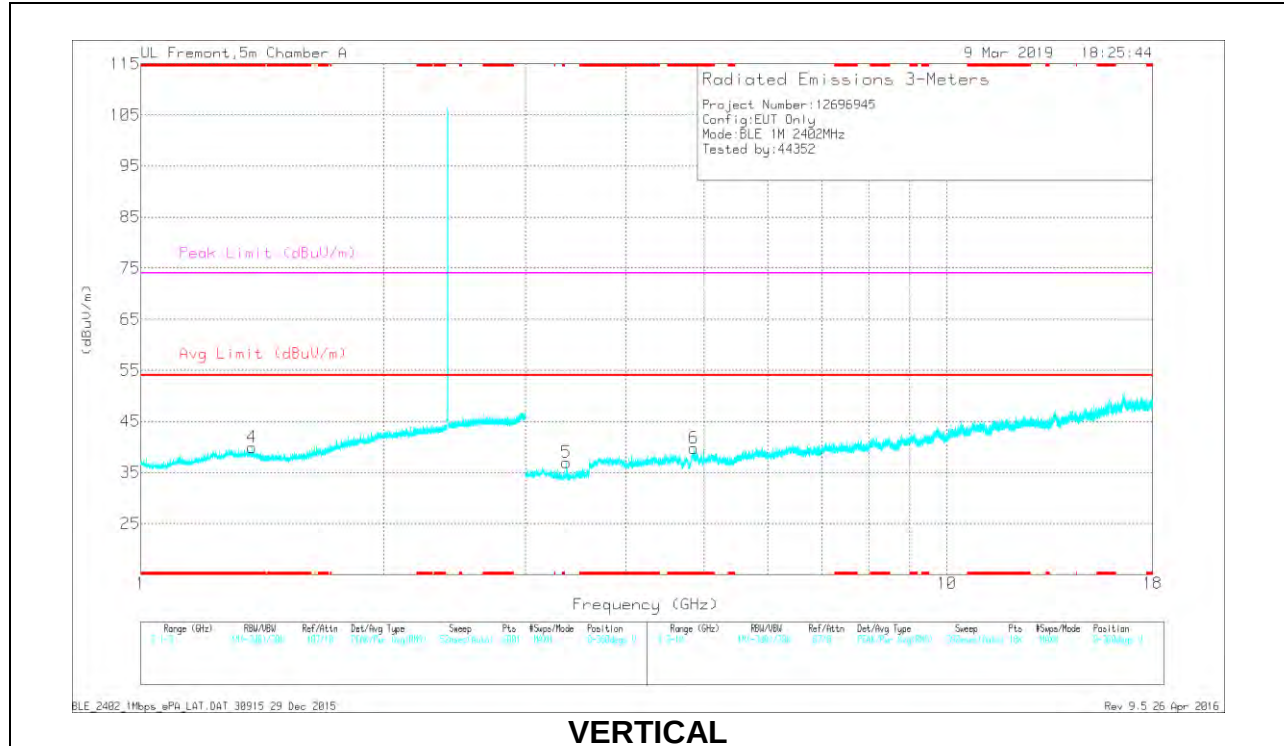
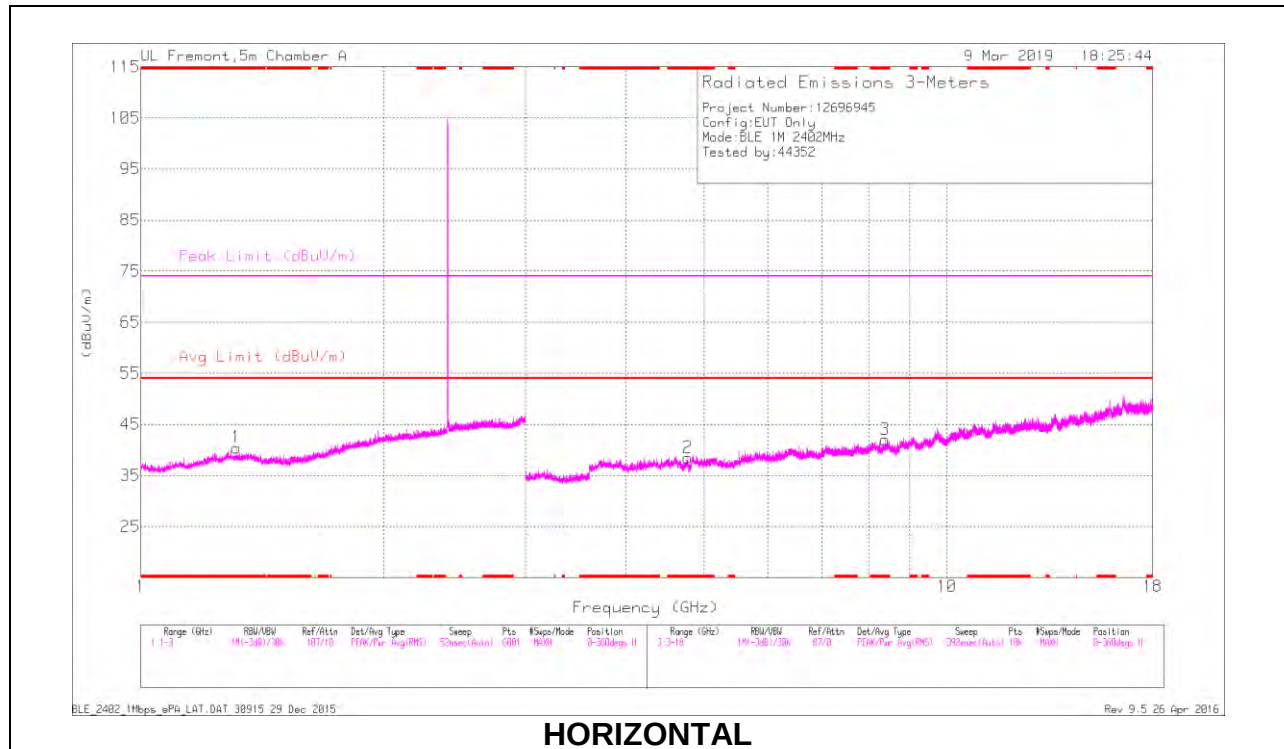


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filt/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	44.16	Pk	32.5	-23.3	53.36	-	-	74	-20.64	162	123	V
2	* 2.484	44.72	Pk	32.5	-23.3	53.92	-	-	74	-20.08	162	123	V
3	* 2.484	33.33	RMS	32.5	-23.3	42.53	54	-11.47	-	-	162	123	V
4	* 2.484	34.82	RMS	32.5	-23.3	44.02	54	-9.98	-	-	162	123	V

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

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS**LOW CHANNEL RESULTS**

RADIATED EMISSIONS

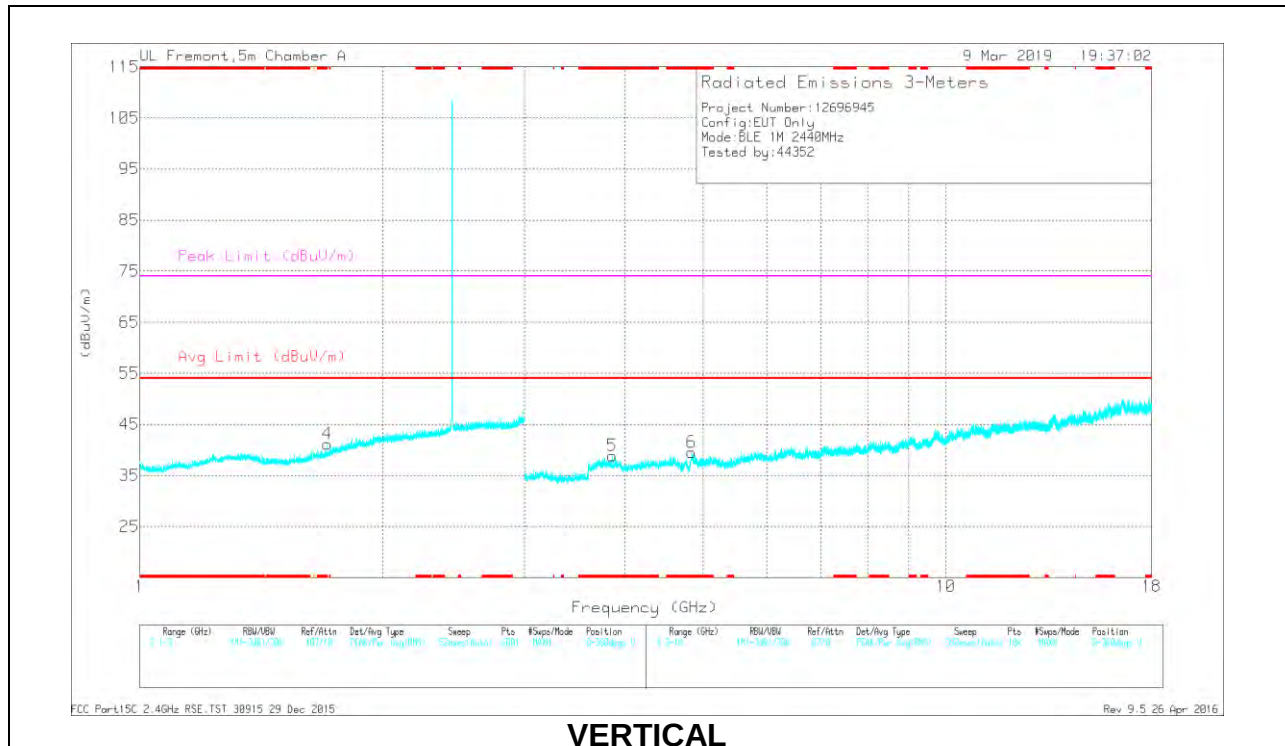
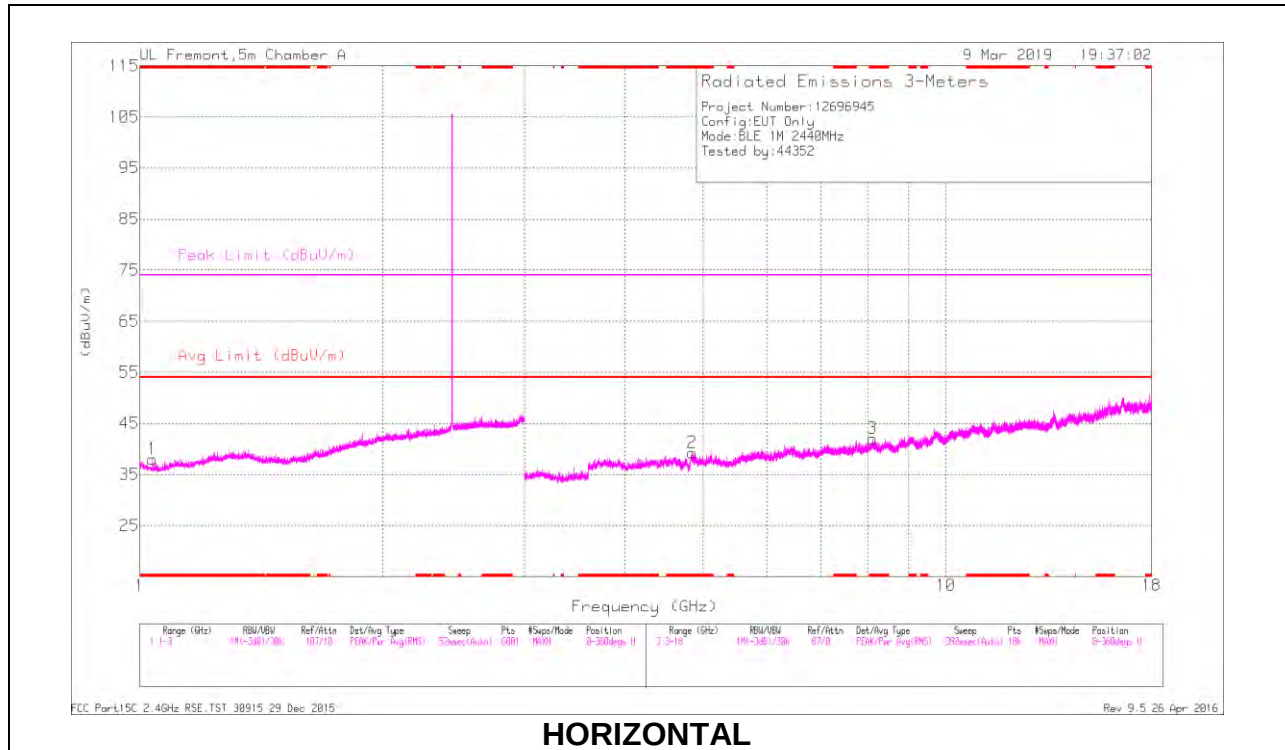
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.314	42.38	PK2	29	-24.9	46.48	-	-	74	-27.52	28	131	H
	* 1.315	30.88	MAv1	29	-24.9	34.98	54	-19.02	-	-	28	131	H
4	* 1.372	42	PK2	29.1	-25	46.1	-	-	74	-27.9	9	131	V
	* 1.372	30.72	MAv1	29.1	-25	34.82	54	-19.18	-	-	9	131	V
2	* 4.77	38.83	PK2	34.2	-27.8	45.23	-	-	74	-28.77	105	138	H
	* 4.77	27.77	MAv1	34.2	-27.8	34.17	54	-19.83	-	-	105	138	H
3	* 8.384	35.4	PK2	35.9	-23.2	48.1	-	-	74	-25.9	230	325	H
	* 8.384	24.37	MAv1	35.9	-23.2	37.07	54	-16.93	-	-	230	325	H
6	* 4.851	38.98	PK2	34.1	-27.1	45.98	-	-	74	-28.02	146	151	V
	* 4.851	27.21	MAv1	34.1	-27.1	34.21	54	-19.79	-	-	146	151	V
5	3.376	38.75	PK2	32.8	-29.6	41.95	-	-	-	-	343	169	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS



RADIATED EMISSIONS

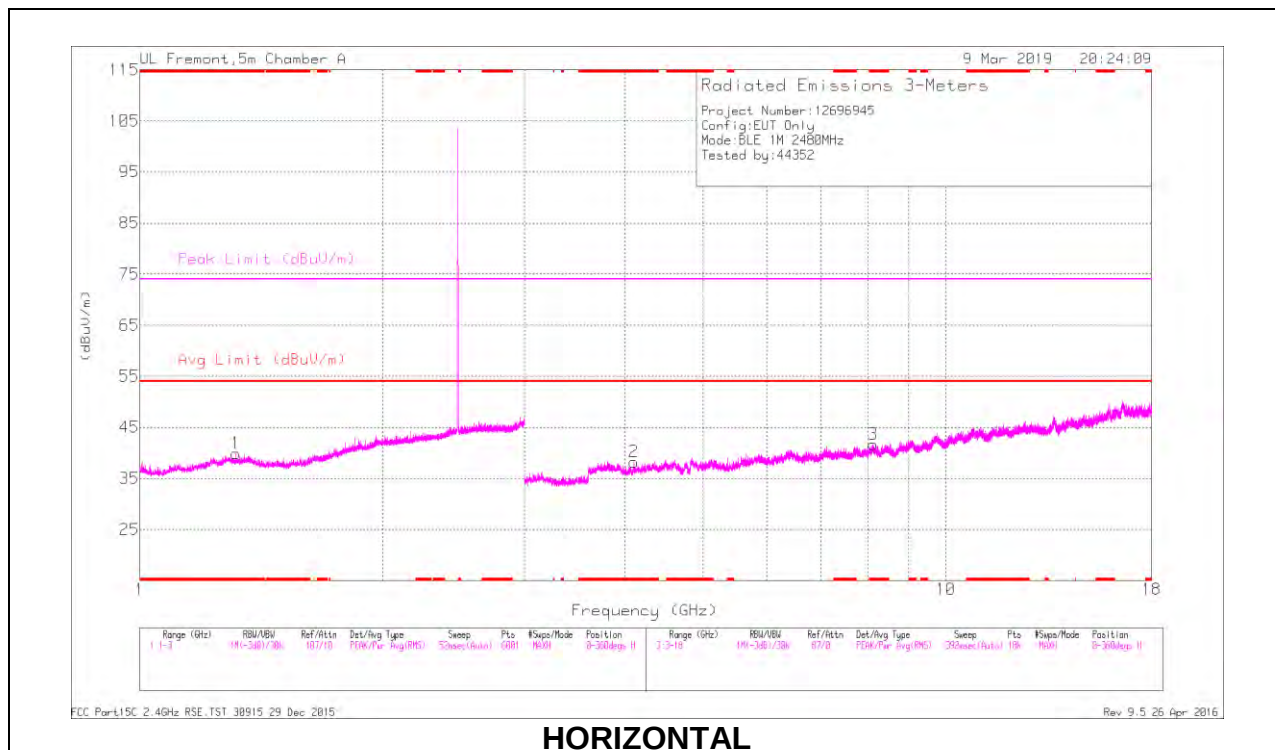
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.038	42.3	PK2	27.1	-25.7	43.7	-	-	74	-30.3	65	312	H
	* 1.038	31.16	MAv1	27.1	-25.7	32.56	54	-21.44	-	-	65	312	H
4	* 1.708	41.37	PK2	29.1	-23.9	46.57	-	-	74	-27.43	271	362	V
	* 1.709	30.52	MAv1	29.2	-23.9	35.82	54	-18.18	-	-	271	362	V
2	* 4.85	39.09	PK2	34.1	-27.1	46.09	-	-	74	-27.91	100	282	H
	* 4.848	27.4	MAv1	34.1	-27.1	34.4	54	-19.6	-	-	100	282	H
3	* 8.109	35	PK2	35.8	-22.2	48.6	-	-	74	-25.4	310	173	H
	* 8.109	23.87	MAv1	35.8	-22.2	37.47	54	-16.53	-	-	310	173	H
5	* 3.854	40.78	PK2	33.6	-29.2	45.18	-	-	74	-28.82	336	151	V
	* 3.854	28.97	MAv1	33.6	-29.2	33.37	54	-20.63	-	-	336	151	V
6	* 4.839	38.52	PK2	34.2	-26.9	45.82	-	-	74	-28.18	121	142	V
	* 4.837	27.2	MAv1	34.2	-26.9	34.5	54	-19.5	-	-	121	142	V

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

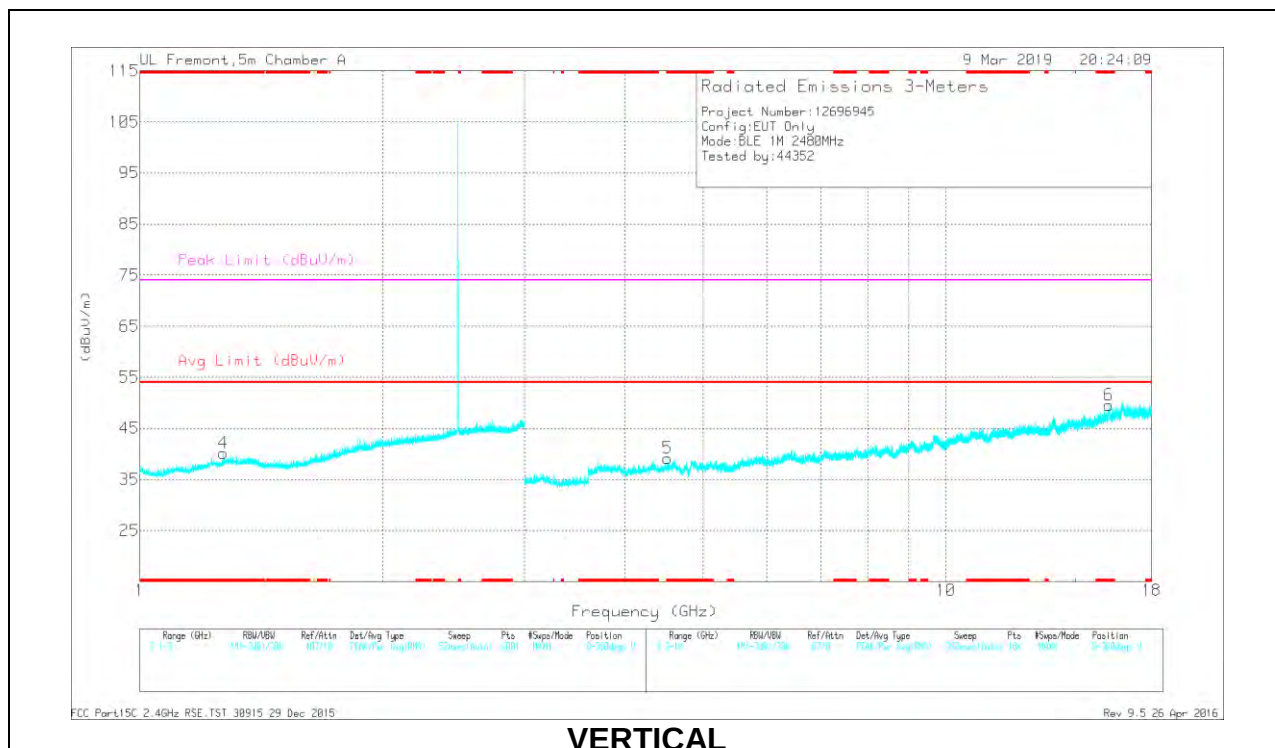
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

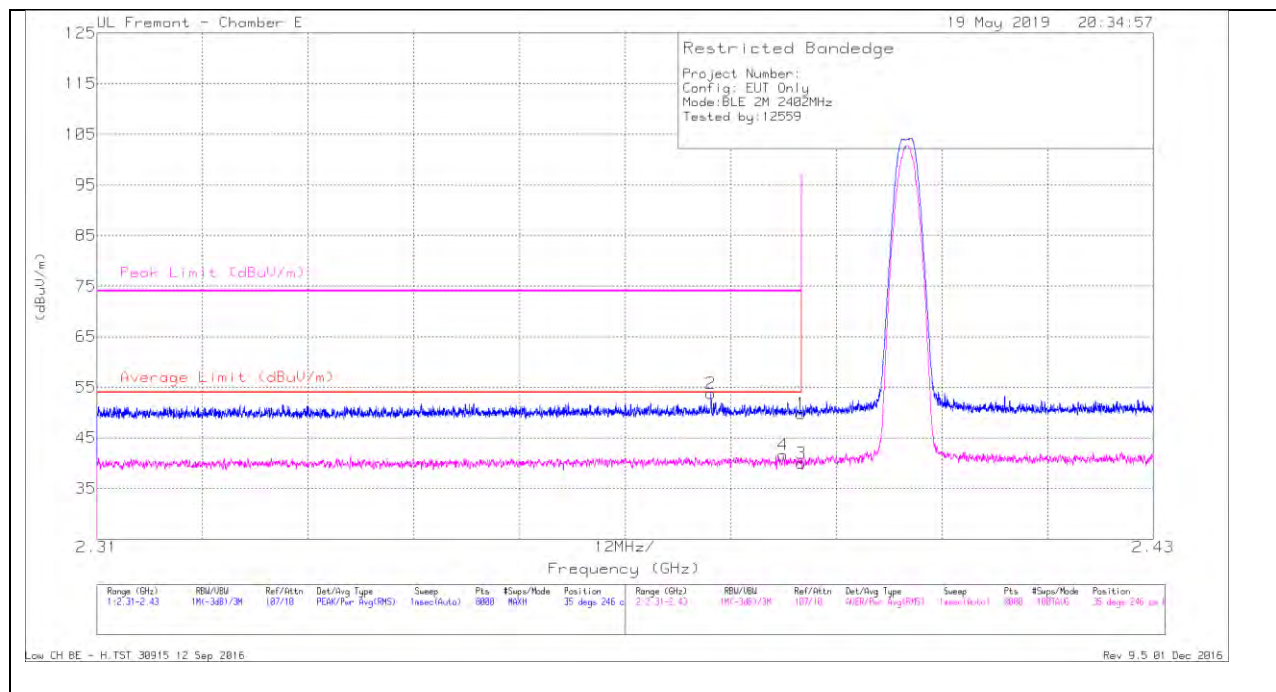
RADIATED EMISSIONS

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.317	42.21	PK2	29	-24.9	46.31	-	-	74	-27.69	121	174	H
	* 1.317	30.68	MAv1	29	-24.9	34.78	54	-19.22	-	-	121	174	H
4	* 1.27	41.98	PK2	28.9	-25	45.88	-	-	74	-28.12	338	145	V
	* 1.271	30.65	MAv1	28.9	-25	34.55	54	-19.45	-	-	338	145	V
2	* 4.1	39.13	PK2	33.9	-28.8	44.23	-	-	74	-29.77	185	200	H
	* 4.101	28.35	MAv1	33.8	-28.9	33.25	54	-20.75	-	-	185	200	H
3	* 8.126	35.16	PK2	35.8	-22.4	48.56	-	-	74	-25.44	172	115	H
	* 8.125	24.05	MAv1	35.8	-22.4	37.45	54	-16.55	-	-	172	115	H
5	* 4.515	38.12	PK2	34.1	-27.9	44.32	-	-	74	-29.68	32	214	V
	* 4.513	27.42	MAv1	34.1	-27.9	33.62	54	-20.38	-	-	32	214	V
6	* 15.932	33.53	PK2	40.9	-17.7	56.73	-	-	74	-17.27	114	186	V
	* 15.931	22.33	MAv1	40.8	-17.6	45.53	54	-8.47	-	-	114	186	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

9.2.2. HIGH POWER BLE (2Mbps)**Antenna 2****BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dBm)	Amp/Cbf/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	43.68	Pk	32.3	-26.2	49.78	-	-	74	-24.22	35	246	H
2	* 2.38	47.77	Pk	32.2	-26.2	53.77	-	-	74	-20.23	35	246	H
3	* 2.39	33.86	RMS	32.3	-26.2	39.96	54	-14.04	-	-	35	246	H
4	* 2.388	35.47	RMS	32.3	-26.2	41.57	54	-12.43	-	-	35	246	H

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

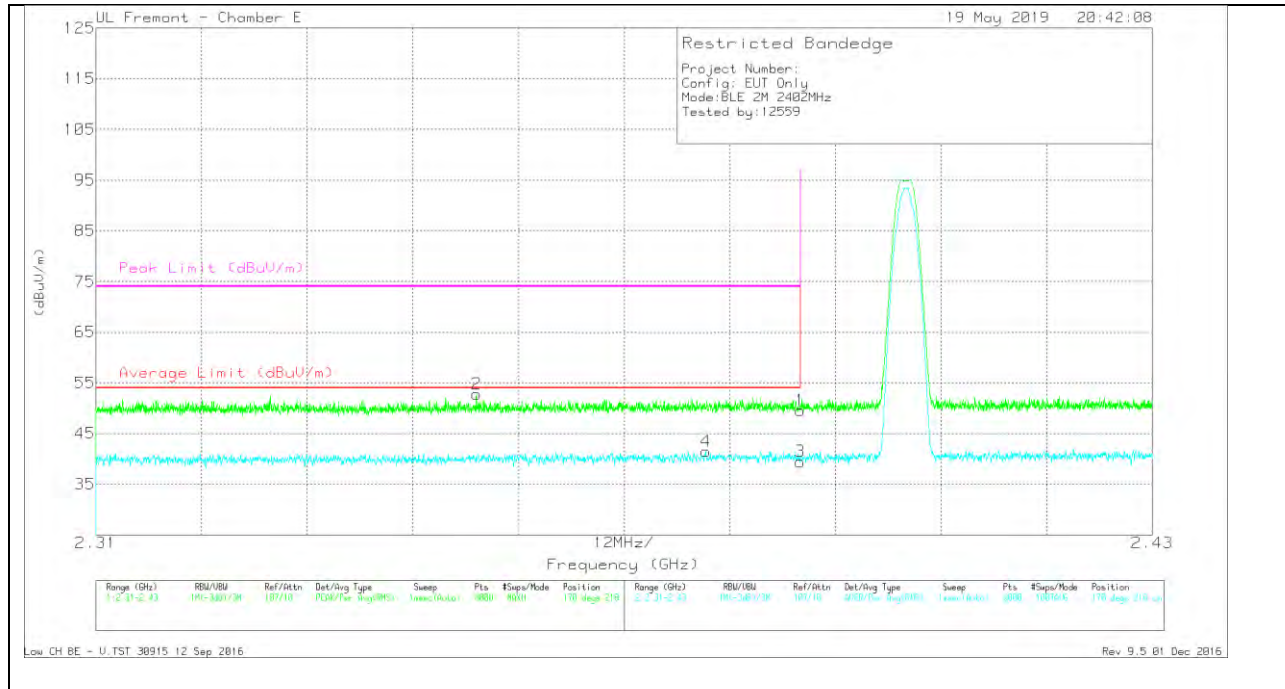
Pk - Peak detector

RMS - RMS detection

Low CH BE - H.TST 30915 12 Sep 2016

Rev 9.5 01 Dec 2016

VERTICAL RESULT



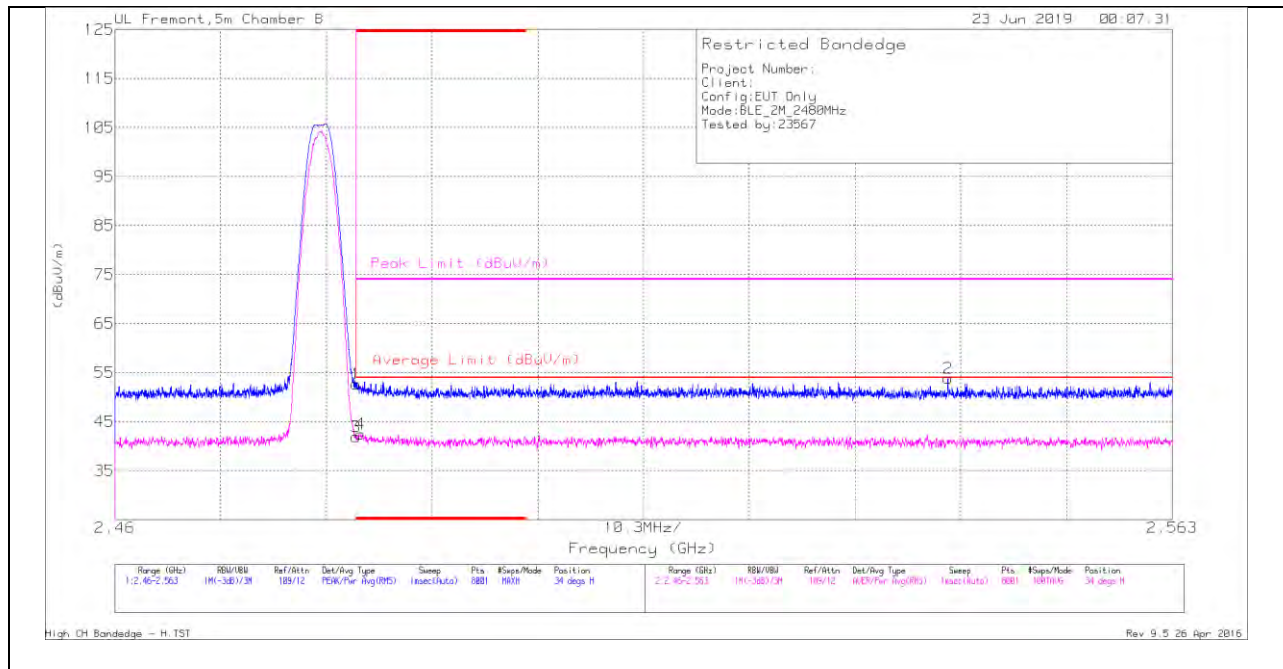
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

Low CH BE - V.TST 30915 12 Sep 2016

Rev 9.5 01 Dec 2016

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

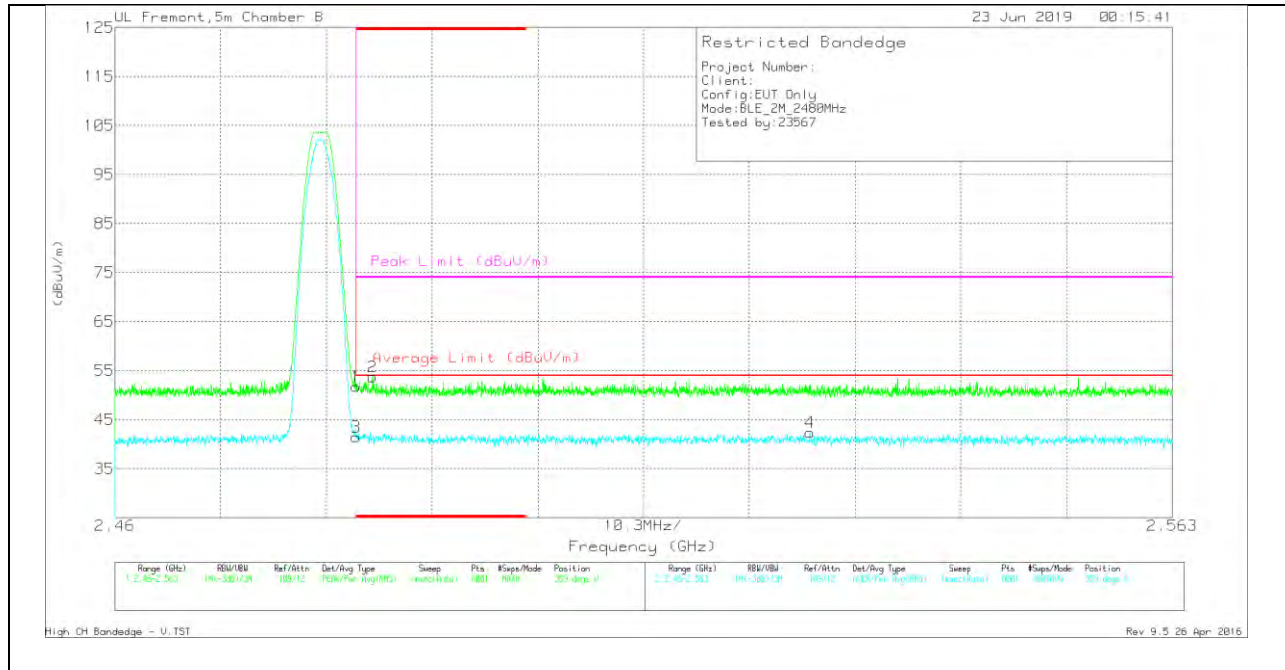
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cb/Ftr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	39.3	Pk	32.3	-18.9	52.7	-	-	74	-21.3	34	116	H
3	* 2.484	28.55	RMS	32.3	-18.9	41.95	54	-12.05	-	-	34	116	H
4	* 2.484	29.1	RMS	32.3	-18.9	42.5	54	-11.5	-	-	34	116	H
2	2.541	40.45	Pk	32.3	-18.9	53.85	-	-	74	-20.15	34	116	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

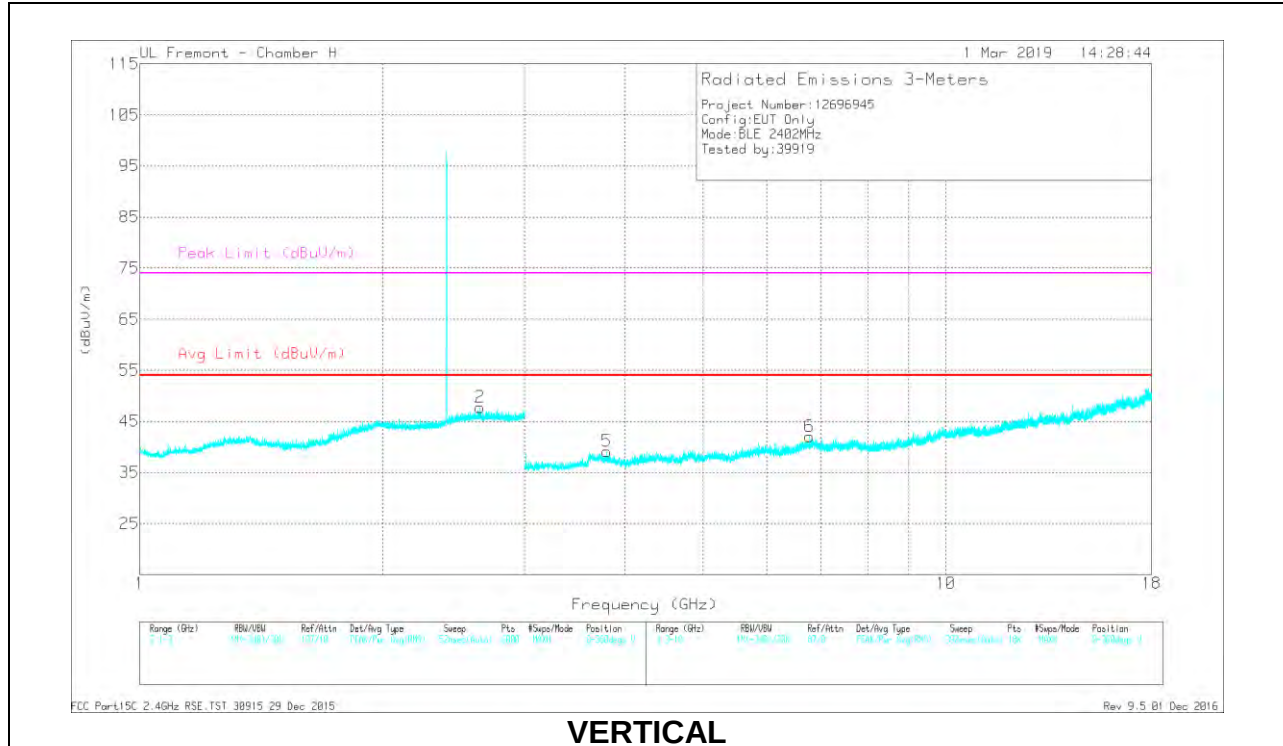
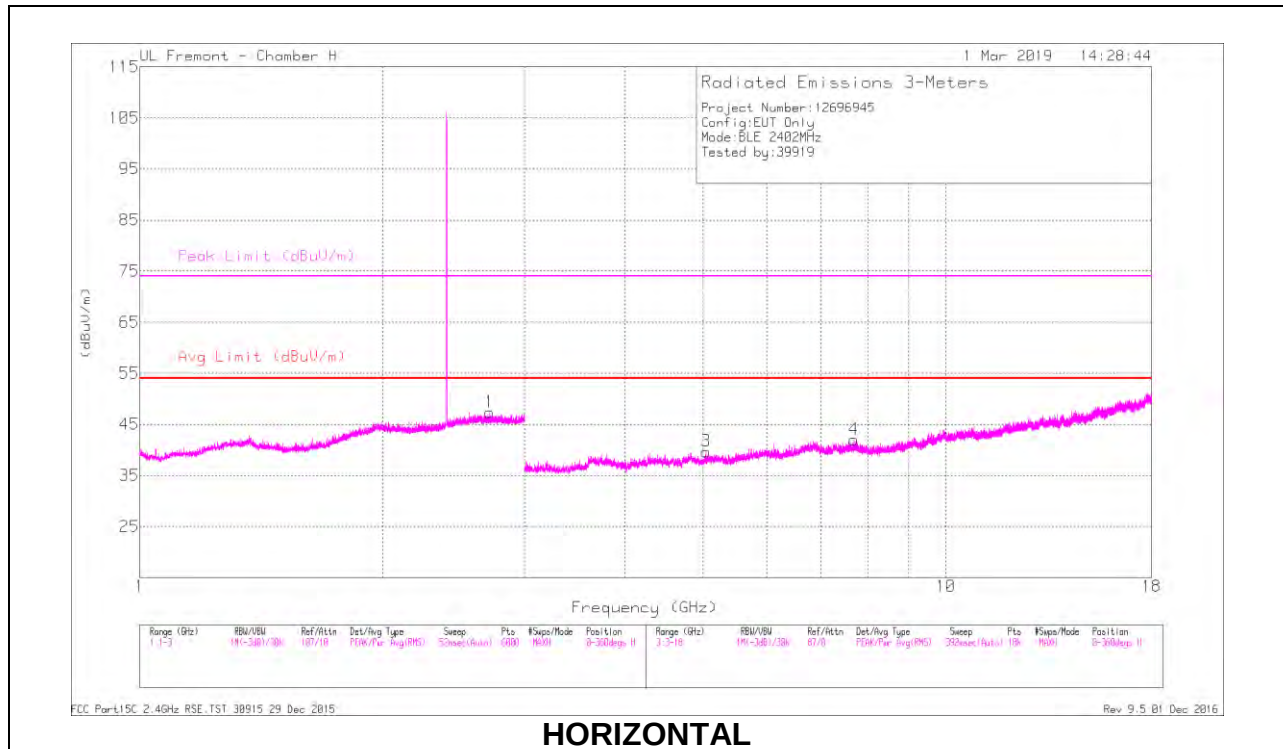


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cb/Fltr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	38.36	Pk	32.3	-18.9	51.76	-	-	74	-22.24	359	369	V
3	* 2.484	28.09	RMS	32.3	-18.9	41.49	54	-12.51	-	-	359	369	V
2	* 2.485	40.34	Pk	32.3	-18.9	53.74	-	-	74	-20.26	359	369	V
4	2.528	28.98	RMS	32.4	-19	42.38	54	-11.62	-	-	359	369	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

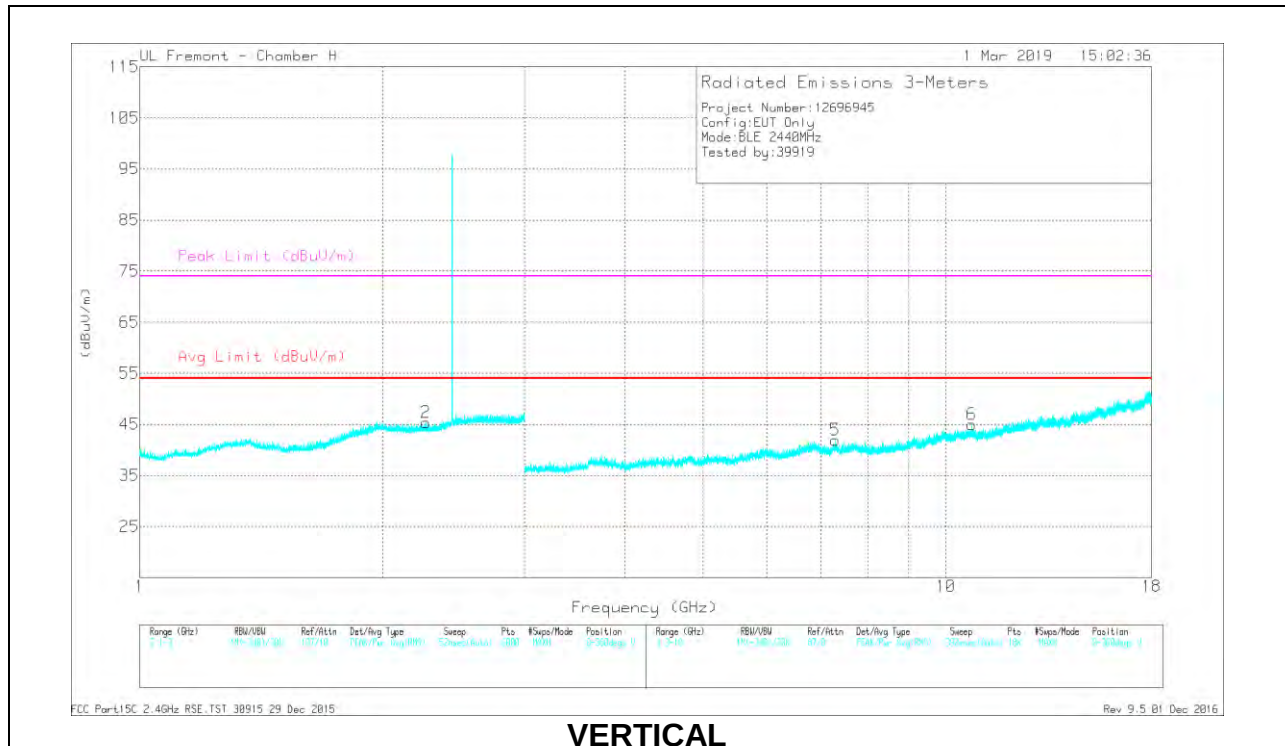
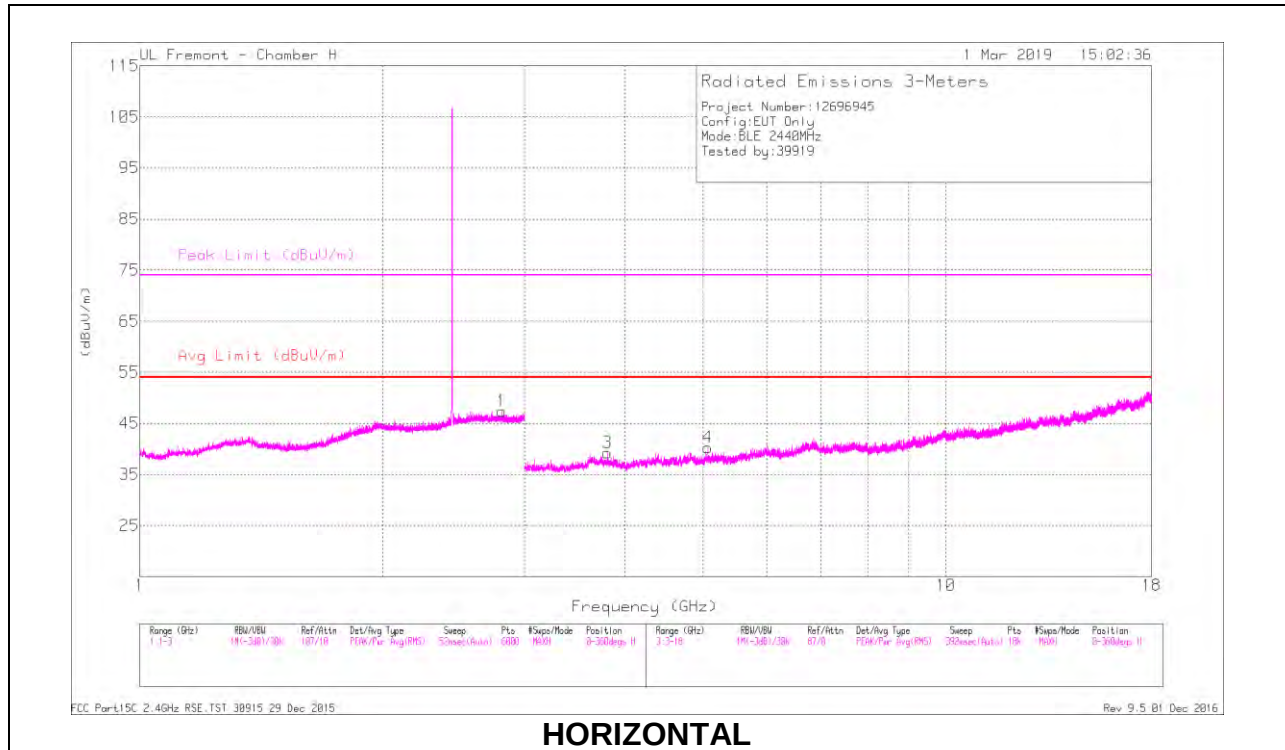
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Ampl/Cbl/Filtr/ Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.717	44.08	PK2	32.6	-23.1	53.58	-	-	74	-20.42	315	181	H
	* 2.719	32.61	MAv1	32.6	-23.2	42.01	54	-11.99	-	-	315	181	H
3	* 5.043	40.94	PK2	34.2	-29.6	45.54	-	-	74	-28.46	227	226	H
	* 5.043	29.84	MAv1	34.2	-29.6	34.44	54	-19.56	-	-	227	226	H
4	* 7.697	38.53	PK2	36.6	-26.6	48.53	-	-	74	-25.47	305	155	H
	* 7.695	27.2	MAv1	36.6	-26.6	37.2	54	-16.8	-	-	305	155	H
5	* 3.802	43.12	PK2	33.5	-31.1	45.52	-	-	74	-28.48	135	106	V
	* 3.8	31.56	MAv1	33.5	-31.1	33.96	54	-20.04	-	-	135	106	V
2	2.644	44.78	PK2	32.6	-23	54.38	-	-	-	-	266	117	V
6	6.778	40.16	PK2	36.8	-28.8	48.16	-	-	-	-	169	249	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

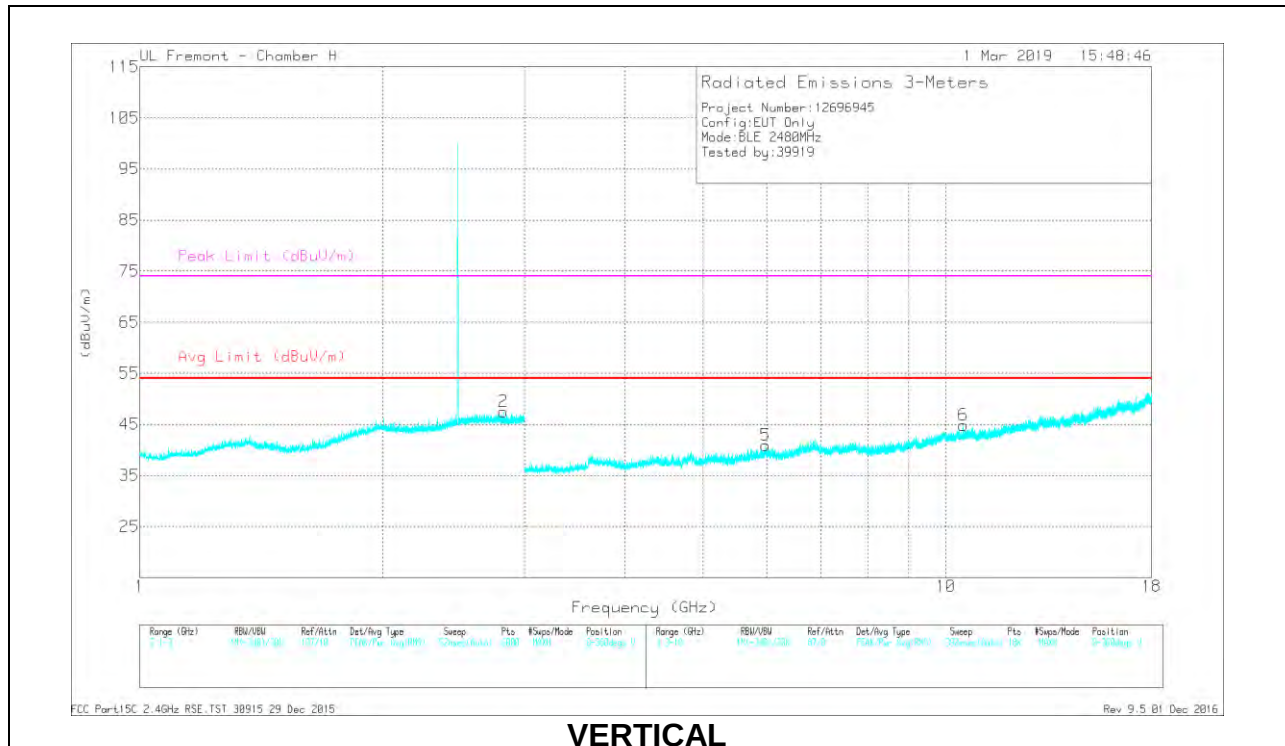
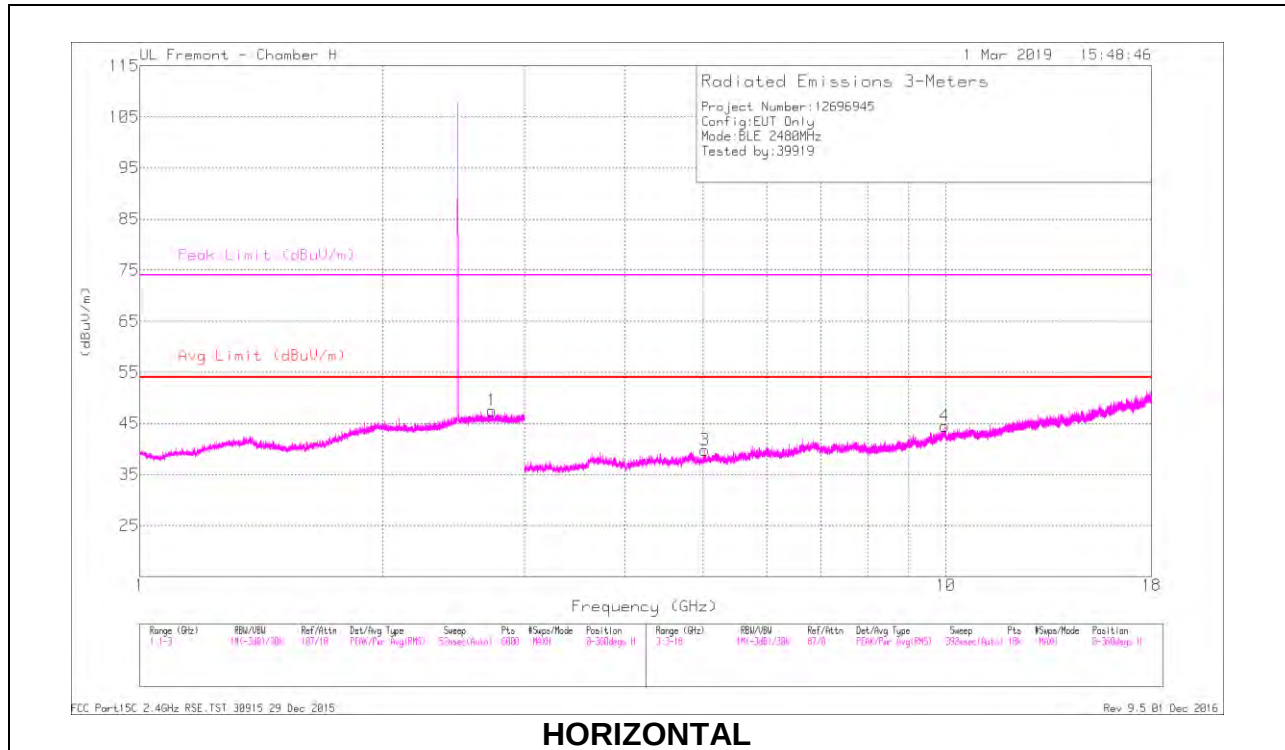
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.813	44.07	PK2	32.5	-23.1	53.47	-	-	74	-20.53	40	124	H
	* 2.814	32.61	MAv1	32.5	-23.1	42.01	54	-11.99	-	-	40	124	H
2	* 2.263	44.9	PK2	31.3	-23.8	52.4	-	-	74	-21.6	154	225	V
	* 2.263	32.79	MAv1	31.3	-23.8	40.29	54	-13.71	-	-	154	225	V
3	* 3.806	42.65	PK2	33.5	-31.1	45.05	-	-	74	-28.95	233	159	H
	* 3.806	31.23	MAv1	33.5	-31.1	33.63	54	-20.37	-	-	233	159	H
4	* 5.068	41.74	PK2	34.3	-29.3	46.74	-	-	74	-27.26	162	182	H
	* 5.067	29.96	MAv1	34.3	-29.2	35.06	54	-18.94	-	-	162	182	H
5	* 7.29	38.82	PK2	36.4	-26.9	48.32	-	-	74	-25.68	45	204	V
	* 7.289	27.39	MAv1	36.4	-26.9	36.89	54	-17.11	-	-	45	204	V
6	* 10.768	35.41	PK2	37.9	-22.5	50.81	-	-	74	-23.19	130	232	V
	* 10.77	24.25	MAv1	37.8	-22.6	39.45	54	-14.55	-	-	130	232	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



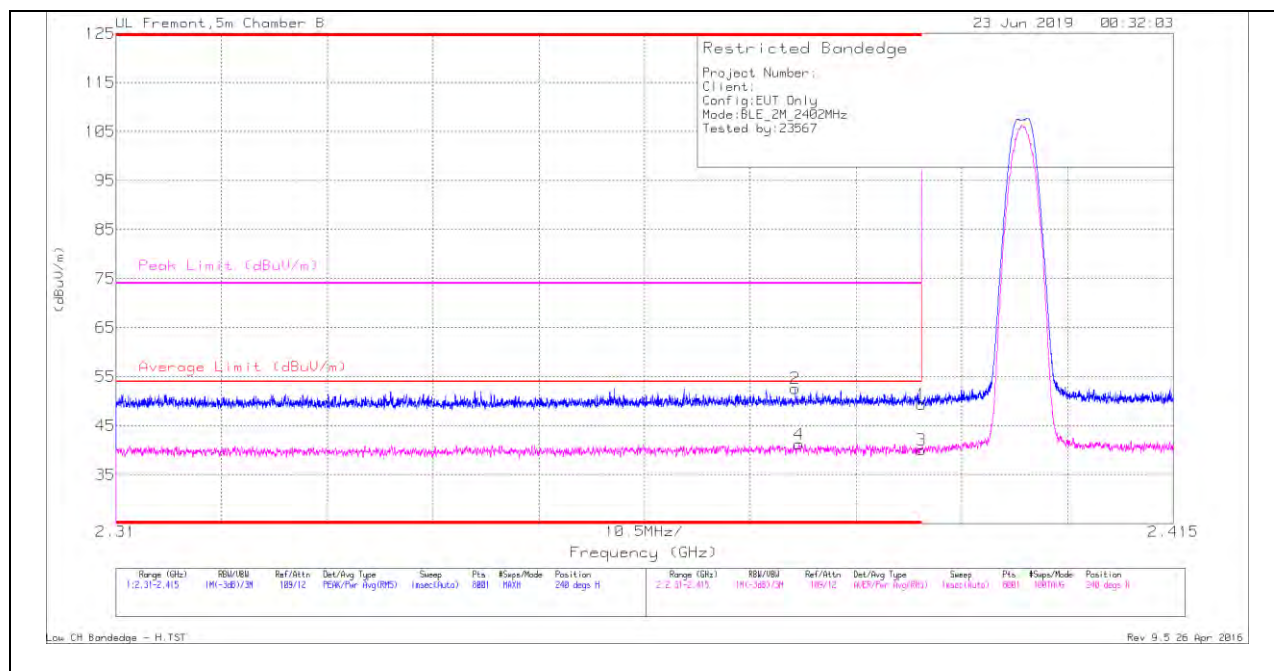
RADIATED EMISSIONS

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Ampl/Cbl/Filtr/ Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.734	44.35	PK2	32.5	-23.2	53.65	-	-	74	-20.35	19	210	H
	* 2.735	32.65	MAv1	32.6	-23.2	42.05	54	-11.95	-	-	19	210	H
2	* 2.824	44.01	PK2	32.4	-23.1	53.31	-	-	74	-20.69	122	133	V
	* 2.825	32.56	MAv1	32.4	-23.1	41.86	54	-12.14	-	-	122	133	V
3	* 5.027	41.37	PK2	34.2	-29.5	46.07	-	-	74	-27.93	207	137	H
	* 5.028	29.77	MAv1	34.2	-29.5	34.47	54	-19.53	-	-	207	137	H
5	5.974	41.56	PK2	35.6	-29.5	47.66	-	-	-	-	178	121	V
4	9.967	35.97	PK2	37.1	-22.8	50.27	-	-	-	-	160	106	H
6	10.513	36.34	PK2	37.7	-23.6	50.44	-	-	-	-	150	110	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**

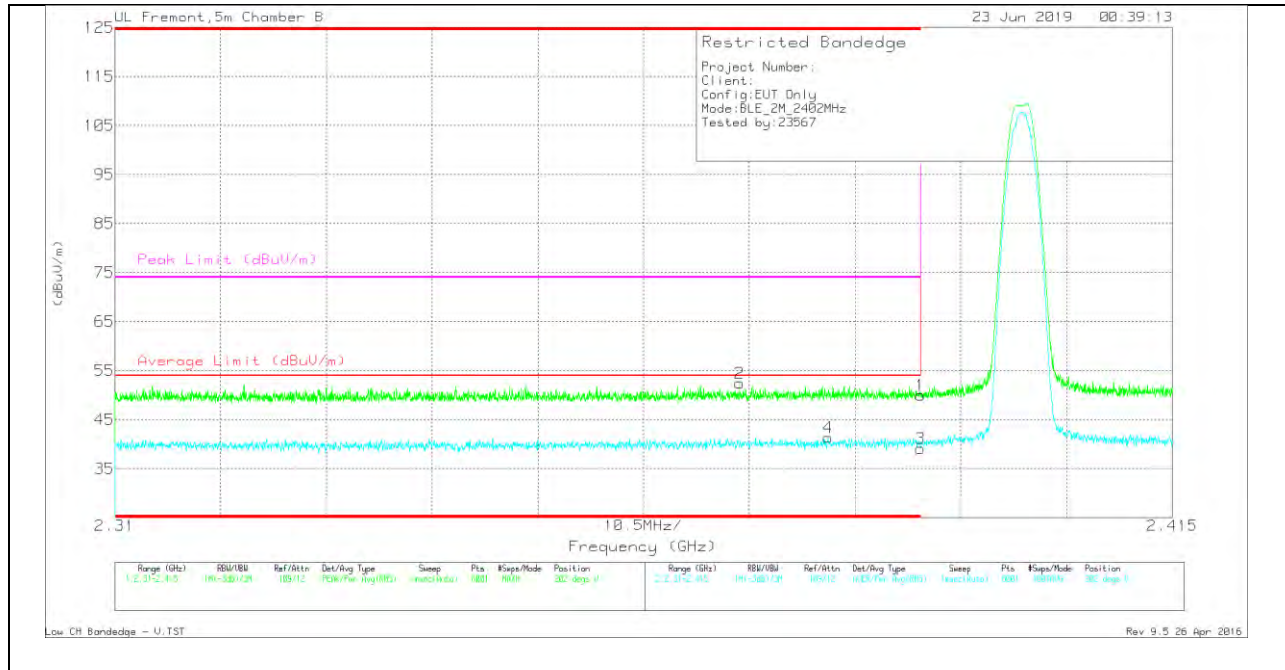
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cb/Ftr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.377	39.63	Pk	31.8	-18.8	52.63	-	-	74	-21.37	240	213	H
4	* 2.378	28.26	RMS	31.8	-18.8	41.26	54	-12.74	-	-	240	213	H
1	* 2.39	36.38	Pk	31.9	-18.9	49.38	-	-	74	-24.62	240	213	H
3	* 2.39	27.09	RMS	31.9	-18.9	40.09	54	-13.91	-	-	240	213	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

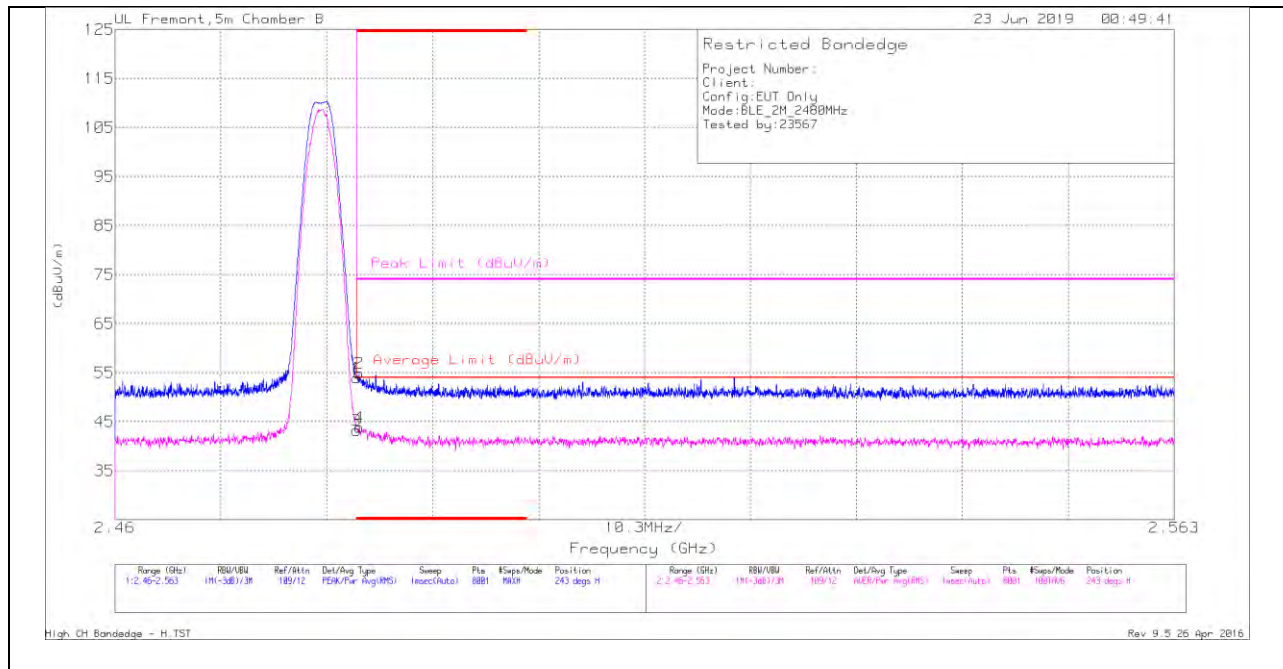


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cb/Ftr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.372	39.56	Pk	31.8	-18.9	52.46	-	-	74	-21.54	202	108	V
4	* 2.381	28.37	RMS	31.8	-18.8	41.37	54	-12.63	-	-	202	108	V
1	* 2.39	36.98	Pk	31.9	-18.9	49.98	-	-	74	-24.02	202	108	V
3	* 2.39	26.16	RMS	31.9	-18.9	39.16	54	-14.84	-	-	202	108	V

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

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

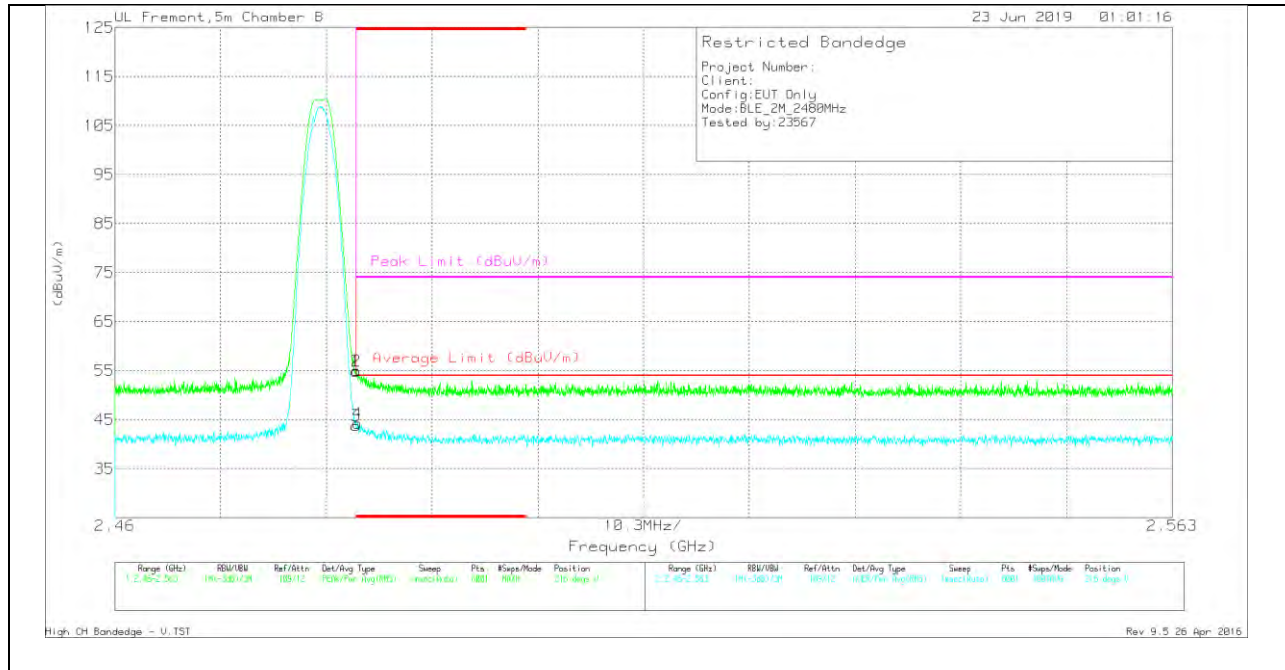
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1	* 2.484	40.54	Pk	32.3	-18.9	53.94	-	-	74	-20.06	243	132	H
2	* 2.484	41.53	Pk	32.3	-18.9	54.93	-	-	74	-19.07	243	132	H
3	* 2.484	29.82	RMS	32.3	-18.9	43.22	54	-10.78	-	-	243	132	H
4	* 2.484	30.44	RMS	32.3	-18.9	43.84	54	-10.16	-	-	243	132	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

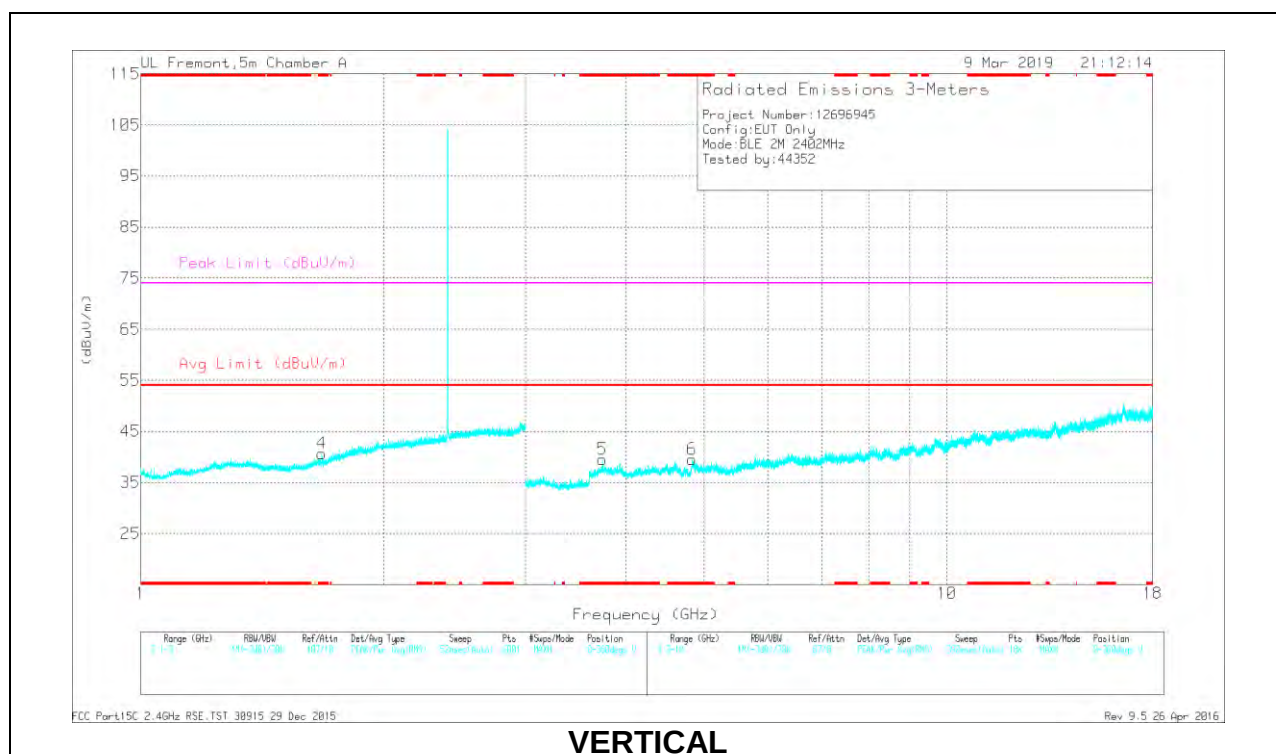
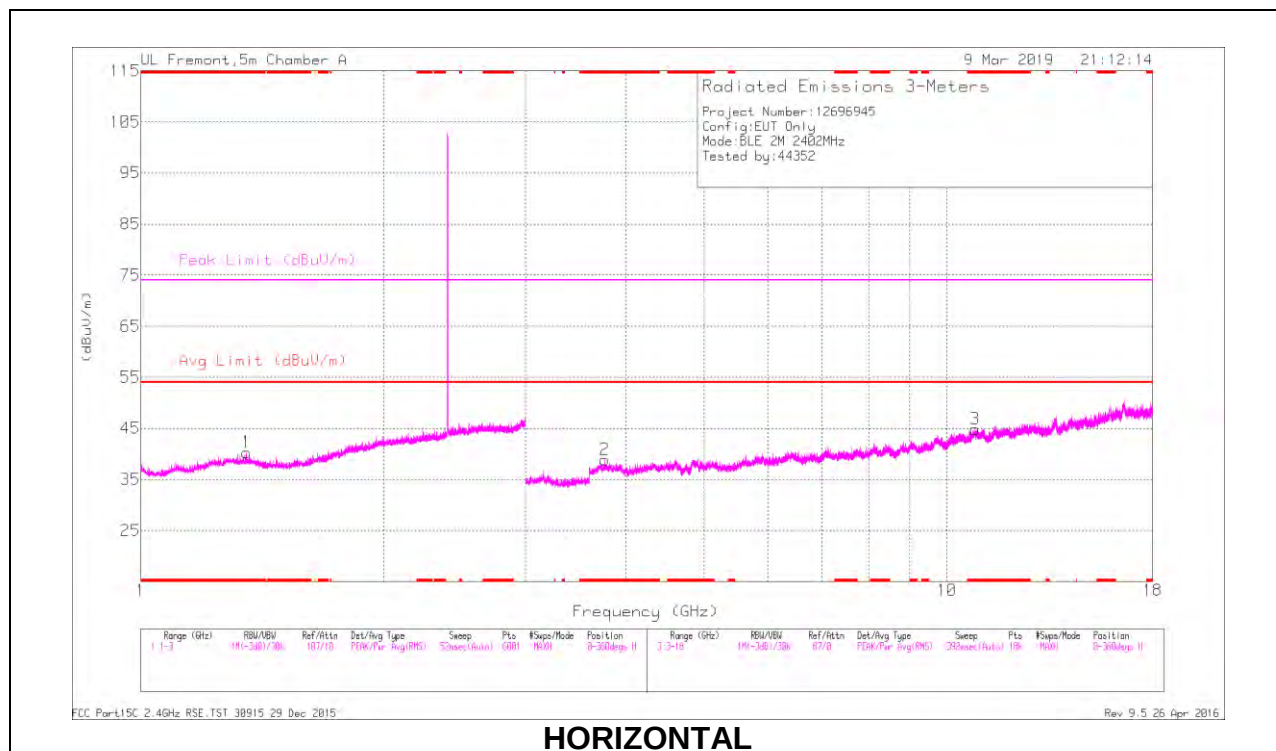


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cb/Ftr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	41.49	Pk	32.3	-18.9	54.89	-	-	74	-19.11	216	104	V
2	* 2.484	41.58	Pk	32.3	-18.9	54.98	-	-	74	-19.02	216	104	V
3	* 2.484	30.39	RMS	32.3	-18.9	43.79	54	-10.21	-	-	216	104	V
4	* 2.484	30.89	RMS	32.3	-18.9	44.29	54	-9.71	-	-	216	104	V

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

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS**LOW CHANNEL RESULTS**

RADIATED EMISSIONS

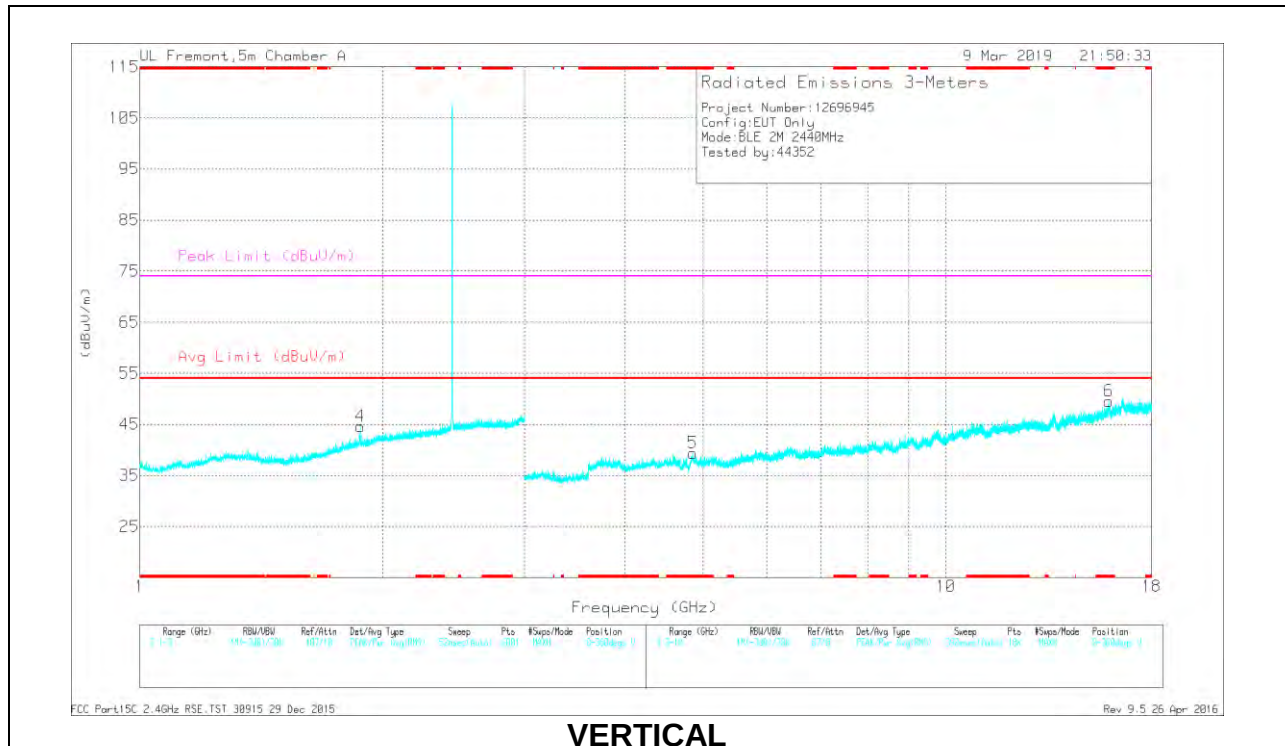
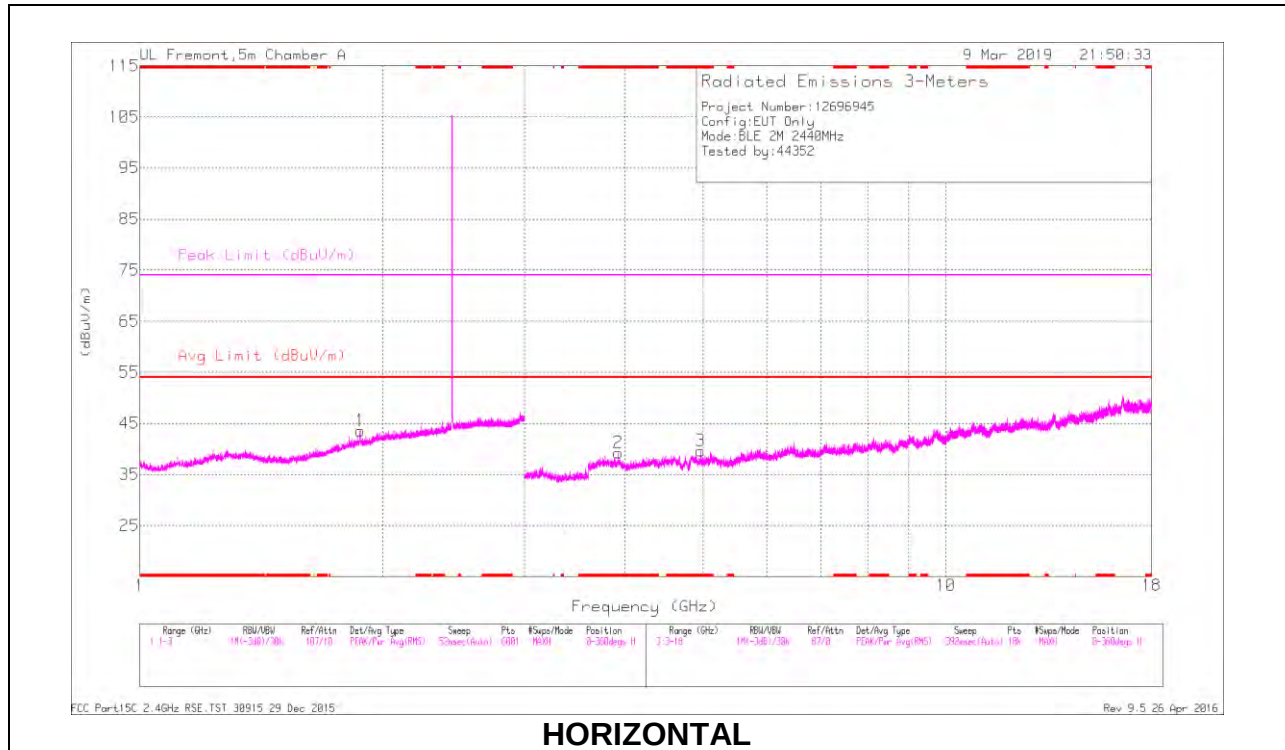
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.354	42.26	PK2	29.1	-24.9	46.46	-	-	74	-27.54	83	205	H
	* 1.355	30.91	MAv1	29.2	-25	35.11	54	-18.89	-	-	83	205	H
4	* 1.678	42.48	PK2	28.7	-23.9	47.28	-	-	74	-26.72	267	308	V
	* 1.677	30.27	MAv1	28.8	-23.9	35.17	54	-18.83	-	-	267	308	V
2	* 3.763	39.82	PK2	33.4	-29.1	44.12	-	-	74	-29.88	194	265	H
	* 3.764	29.29	MAv1	33.4	-29.1	33.59	54	-20.41	-	-	194	265	H
3	* 10.85	33.67	PK2	37.9	-19.8	51.77	-	-	74	-22.23	352	231	H
	* 10.851	22.82	MAv1	37.9	-19.8	40.92	54	-13.08	-	-	352	231	H
5	* 3.742	40.02	PK2	33.4	-29	44.42	-	-	74	-29.58	289	191	V
	* 3.743	29.32	MAv1	33.4	-29	33.72	54	-20.28	-	-	289	191	V
6	* 4.83	38.35	PK2	34.2	-26.7	45.85	-	-	74	-28.15	163	212	V
	* 4.83	27.94	MAv1	34.2	-26.7	35.44	54	-18.56	-	-	163	212	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS



RADIATED EMISSIONS

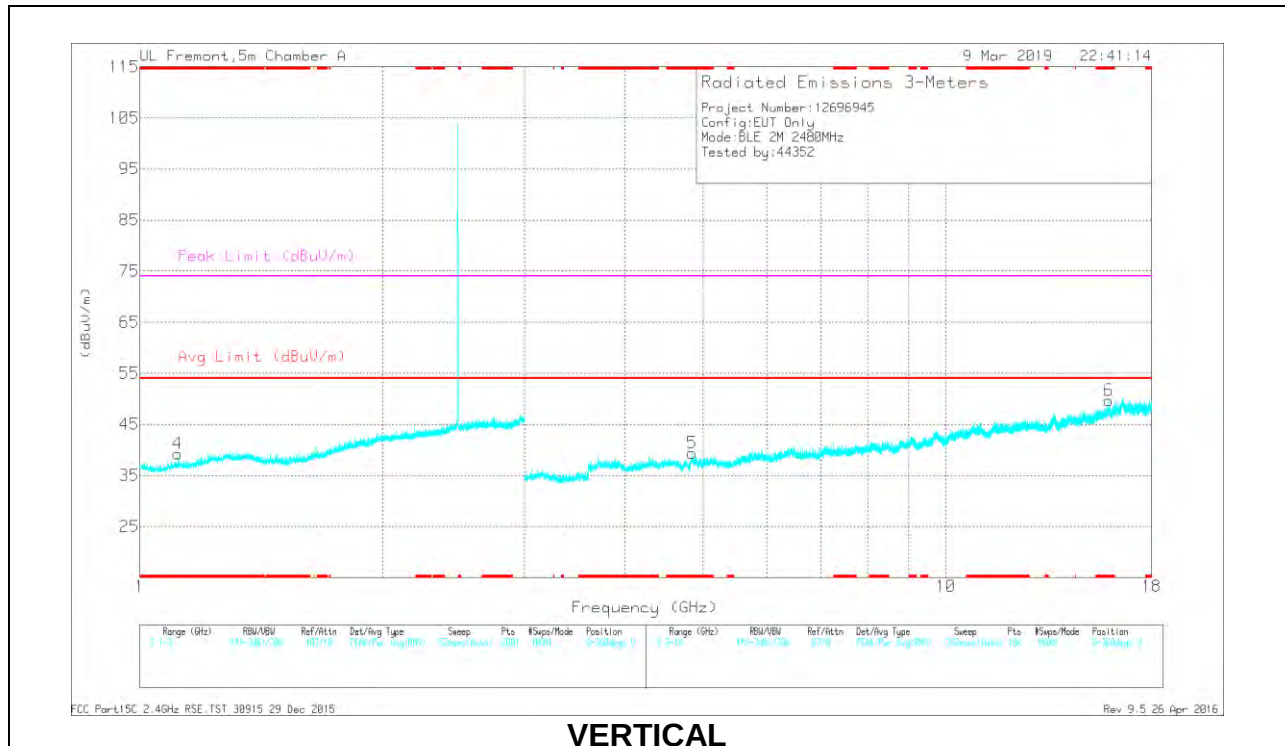
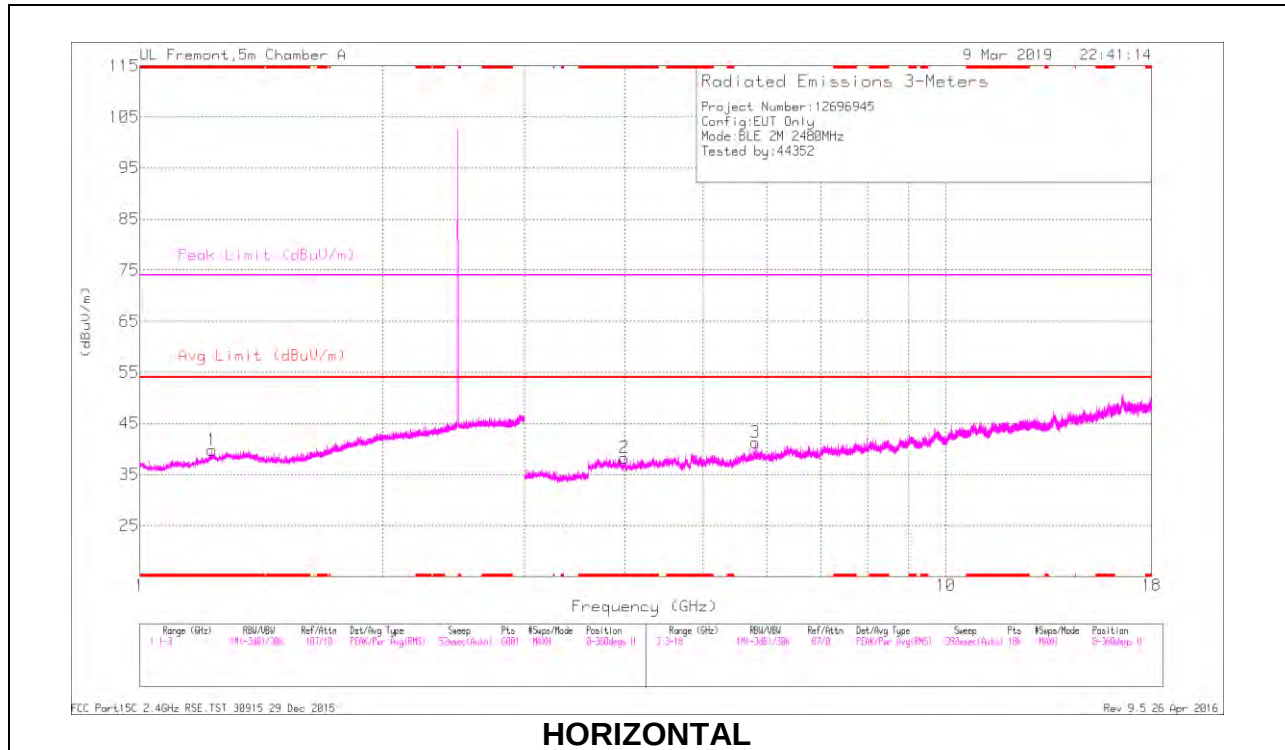
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 3.923	40.42	PK2	33.6	-28.9	45.12	-	-	74	-28.88	255	135	H
	* 3.925	29.43	MAv1	33.6	-28.9	34.13	54	-19.87	-	-	255	135	H
3	* 4.96	39.02	PK2	34.1	-27.9	45.22	-	-	74	-28.78	27	123	H
	* 4.962	28	MAv1	34.1	-27.9	34.2	54	-19.8	-	-	27	123	H
5	* 4.856	38.62	PK2	34.1	-27.1	45.62	-	-	74	-28.38	244	148	V
	* 4.854	27.27	MAv1	34.1	-27.1	34.27	54	-19.73	-	-	244	148	V
6	* 15.927	32.14	PK2	40.9	-17.6	55.44	-	-	74	-18.56	112	248	V
	* 15.929	22.08	MAv1	40.8	-17.6	45.28	54	-8.72	-	-	112	248	V
1	1.876	41.81	PK2	31	-23.9	48.91	-	-	-	-	2	320	H
4	1.879	41.83	PK2	30.9	-23.9	48.83	-	-	-	-	45	284	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



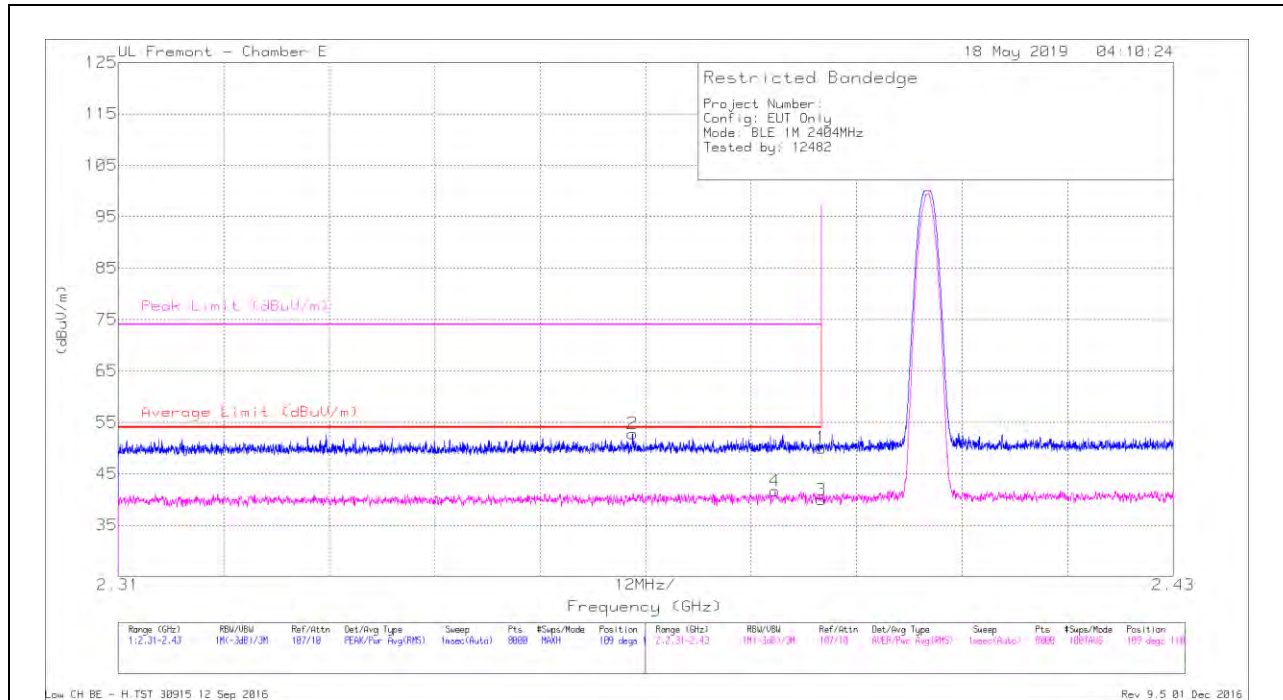
RADIATED EMISSIONS

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.23	42.58	PK2	28.7	-25	46.28	-	-	74	-27.72	134	165	H
	* 1.231	30.86	MAv1	28.7	-24.9	34.66	54	-19.34	-	-	134	165	H
4	* 1.114	42.7	PK2	27.7	-25.3	45.1	-	-	74	-28.9	289	400	V
	* 1.113	31.19	MAv1	27.7	-25.3	33.59	54	-20.41	-	-	289	400	V
2	* 3.99	38.96	PK2	33.6	-29.1	43.46	-	-	74	-30.54	8	160	H
	* 3.992	28.39	MAv1	33.6	-29	32.99	54	-21.01	-	-	8	160	H
5	* 4.849	37.29	PK2	34.1	-27.1	44.29	-	-	74	-29.71	241	344	V
	* 4.848	27.24	MAv1	34.1	-27.1	34.24	54	-19.76	-	-	241	344	V
6	* 15.925	32.47	PK2	40.9	-17.7	55.67	-	-	74	-18.33	122	211	V
	* 15.924	21.93	MAv1	40.9	-17.8	45.03	54	-8.97	-	-	122	211	V
3	5.803	26.29	MAv1	35	-26.1	35.19	-	-	-	-	65	394	H
	5.805	36.98	PK2	35	-26.1	45.88	-	-	-	-	65	394	H

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

9.2.3. LOW POWER BLE (1Mbps)**Antenna 2****BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

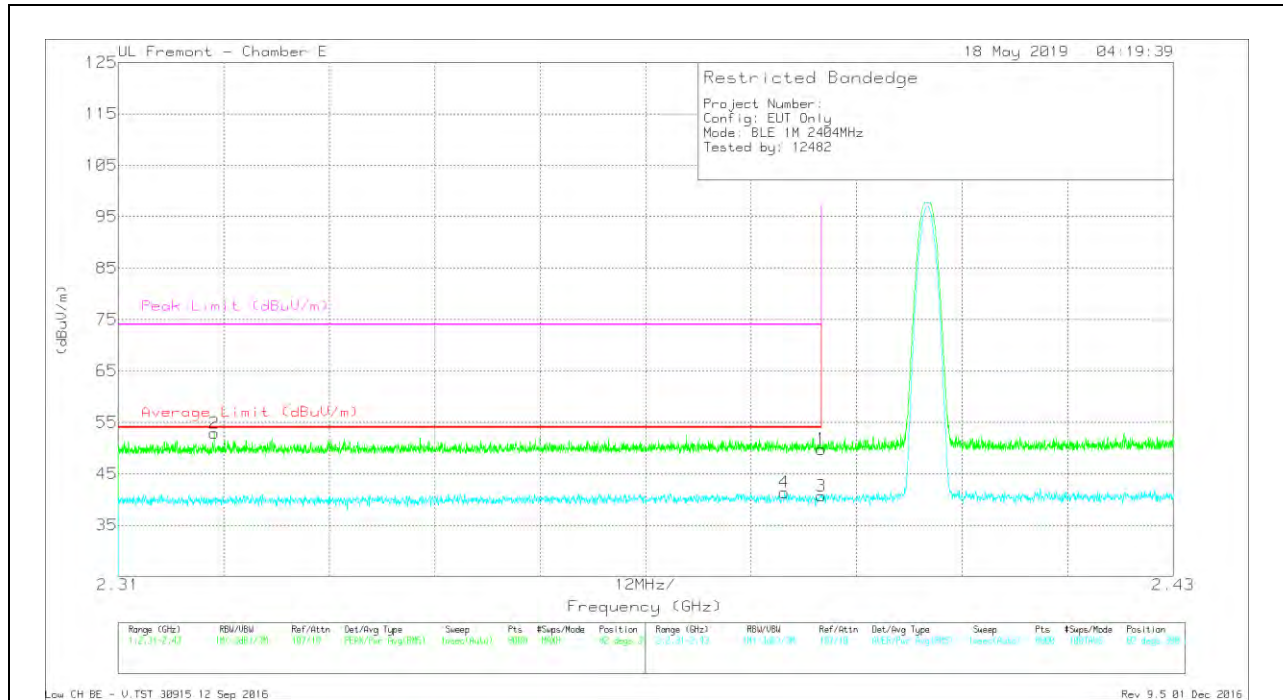
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/Fltr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	43.89	Pk	32.3	-26.2	49.99	-	-	74	-24.01	109	110	H
2	* 2.369	46.92	Pk	32.2	-26.3	52.82	-	-	74	-21.18	109	110	H
3	* 2.39	33.82	RMS	32.3	-26.2	39.92	54	-14.08	-	-	109	110	H
4	* 2.385	35.63	RMS	32.3	-26.3	41.63	54	-12.37	-	-	109	110	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

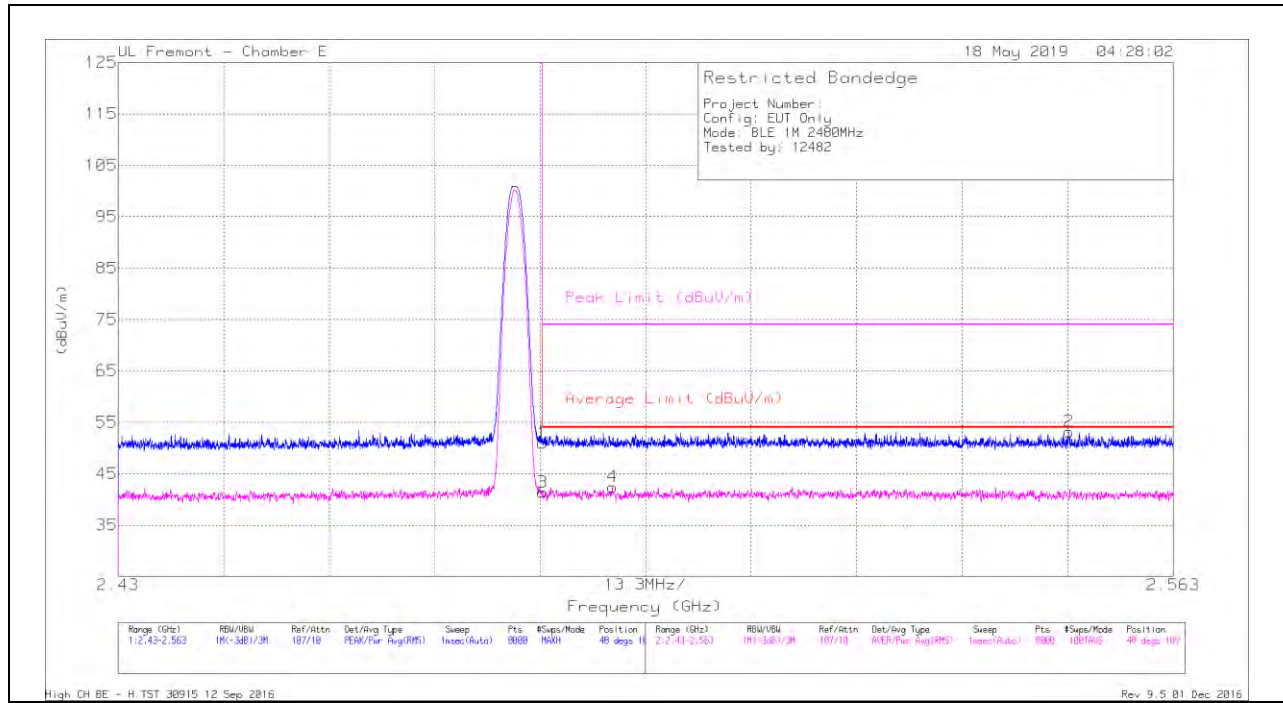


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/Ftr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	43.64	Pk	32.3	-26.2	49.74	-	-	74	-24.26	82	390	V
2	* 2.321	47.26	Pk	31.9	-26.3	52.86	-	-	74	-21.14	82	390	V
3	* 2.39	34.56	RMS	32.3	-26.2	40.66	54	-13.34	-	-	82	390	V
4	* 2.386	35.37	RMS	32.3	-26.3	41.37	54	-12.63	-	-	82	390	V

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

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

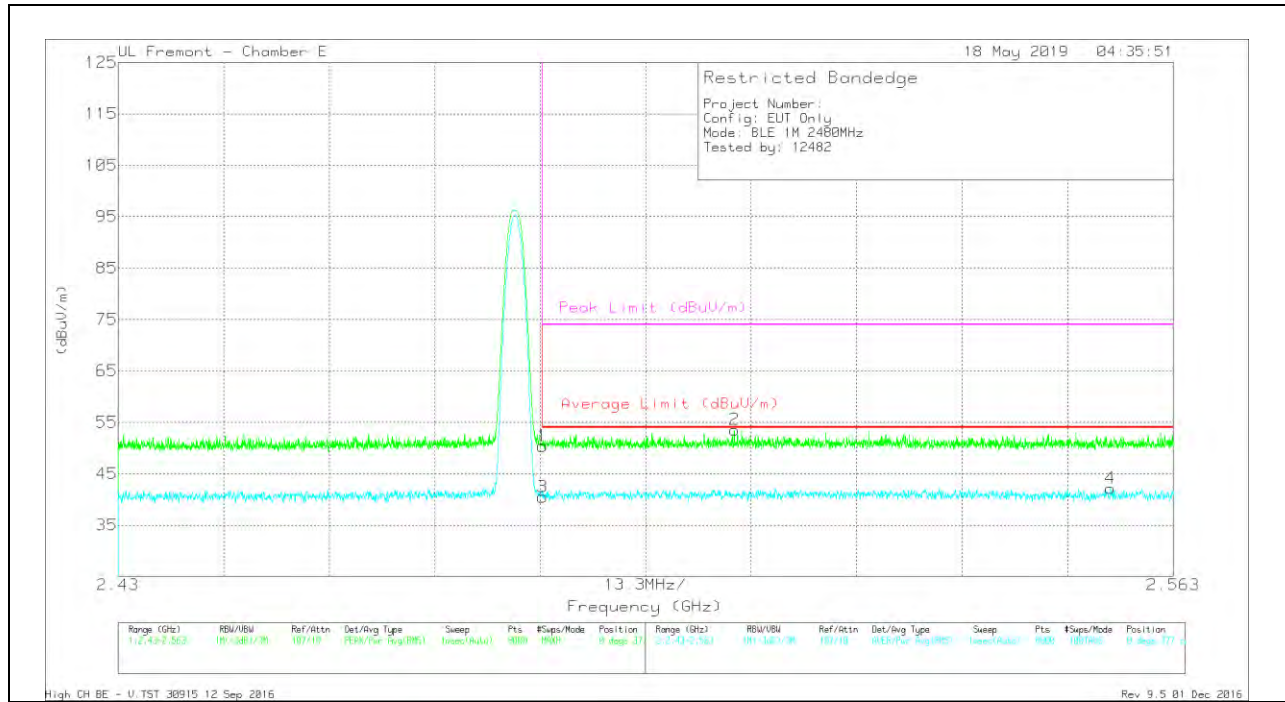
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT119 (dB/m)	Amp/Cb/Ftr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	44.52	Pk	32.8	-26.3	51.02	-	-	74	-22.98	48	109	H
3	* 2.484	34.89	RMS	32.8	-26.3	41.39	54	-12.61	-	-	48	109	H
4	* 2.492	35.85	RMS	32.9	-26.3	42.45	54	-11.55	-	-	48	109	H
2	2.55	46.69	Pk	32.8	-26.3	53.19	-	-	74	-20.81	48	109	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

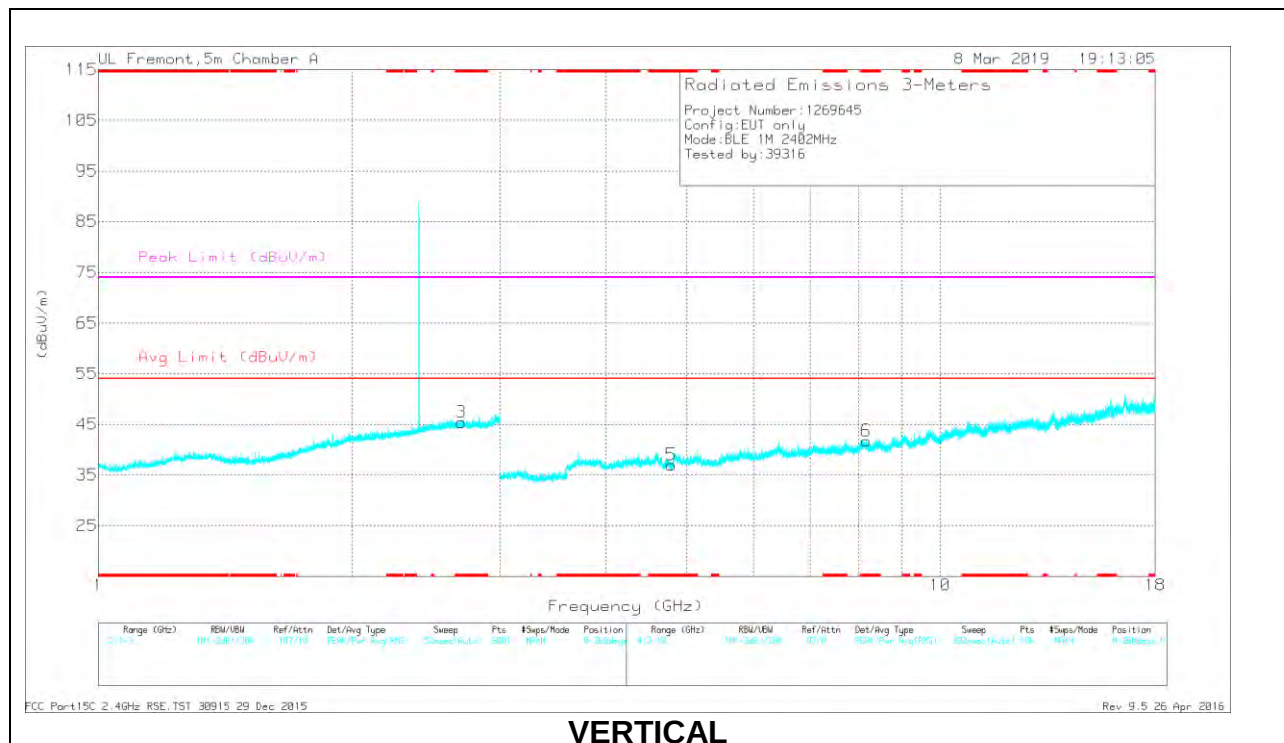
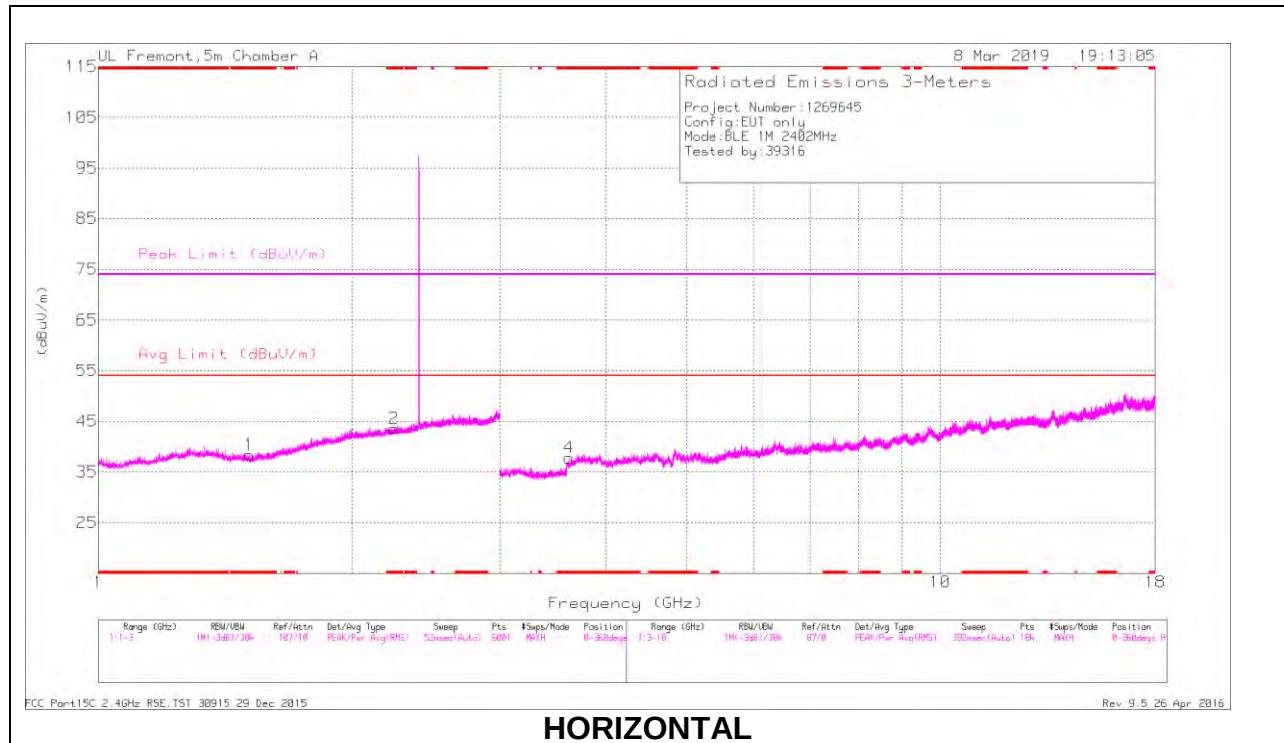


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/Ftr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	43.9	Pk	32.8	-26.3	50.4	-	-	74	-23.6	0	377	V
3	* 2.484	34.01	RMS	32.8	-26.3	40.51	54	-13.49	-	-	0	377	V
2	2.508	46.86	Pk	32.9	-26.2	53.56	-	-	74	-20.44	0	377	V
4	2.555	35.67	RMS	32.8	-26.3	42.17	54	-11.83	-	-	0	377	V

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

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS**LOW CHANNEL RESULTS**

RADIATED EMISSIONS

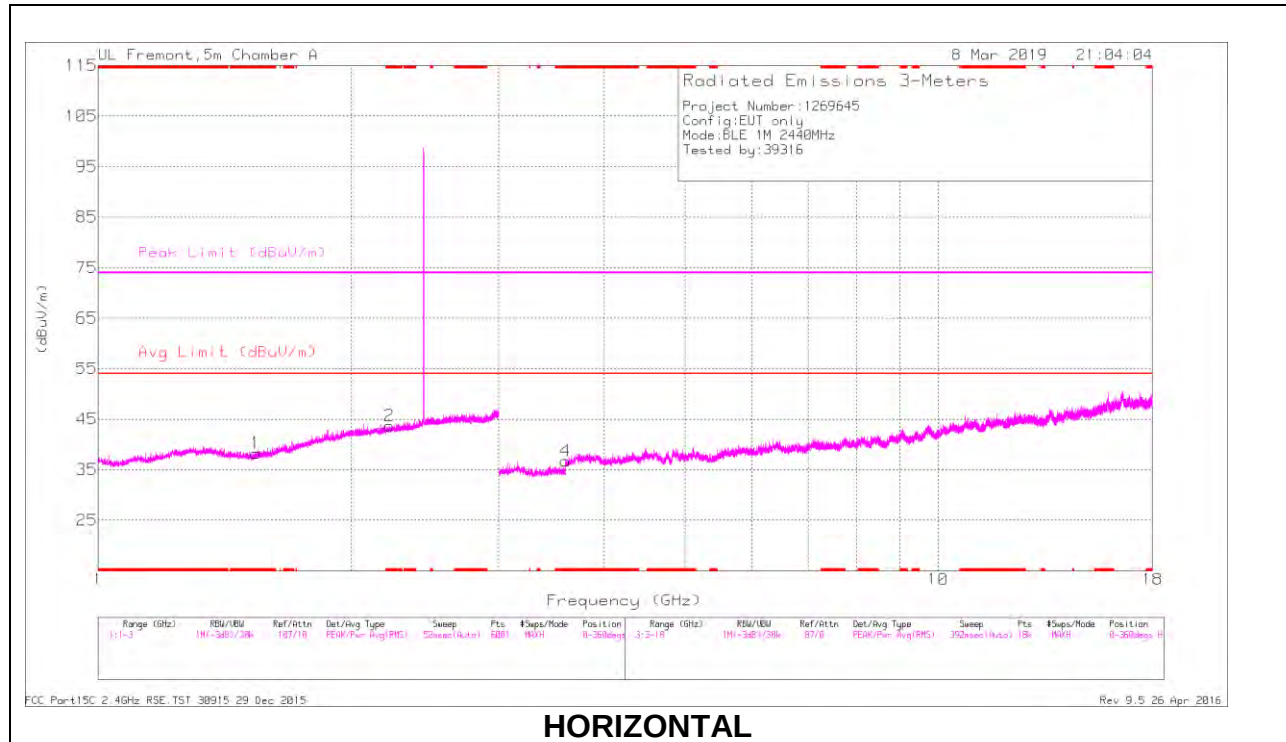
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.511	41.76	PK2	27.8	-24.5	45.06	-	-	74	-28.94	2	393	H
	* 1.514	30.55	MAv1	27.8	-24.5	33.85	54	-20.15	-	-	2	393	H
2	* 2.244	41.42	PK2	31.7	-22.9	50.22	-	-	74	-23.78	265	210	H
	* 2.246	30.21	MAv1	31.6	-22.9	38.91	54	-15.09	-	-	265	210	H
3	* 2.702	42.94	PK2	32.4	-22.1	53.24	-	-	74	-20.76	184	152	V
	* 2.699	30.56	MAv1	32.4	-22.1	40.86	54	-13.14	-	-	184	152	V
4	* 3.622	39.18	PK2	33.2	-29.6	42.78	-	-	74	-31.22	241	130	H
	* 3.622	29.39	MAv1	33.2	-29.6	32.99	54	-21.01	-	-	241	130	H
5	* 4.794	38.63	PK2	34.2	-27.8	45.03	-	-	74	-28.97	165	126	V
	* 4.792	28.05	MAv1	34.2	-27.9	34.35	54	-19.65	-	-	165	126	V
6	* 8.17	34.07	PK2	35.8	-22.5	47.37	-	-	74	-26.63	109	197	V
	* 8.171	24.29	MAv1	35.8	-22.4	37.69	54	-16.31	-	-	109	197	V

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

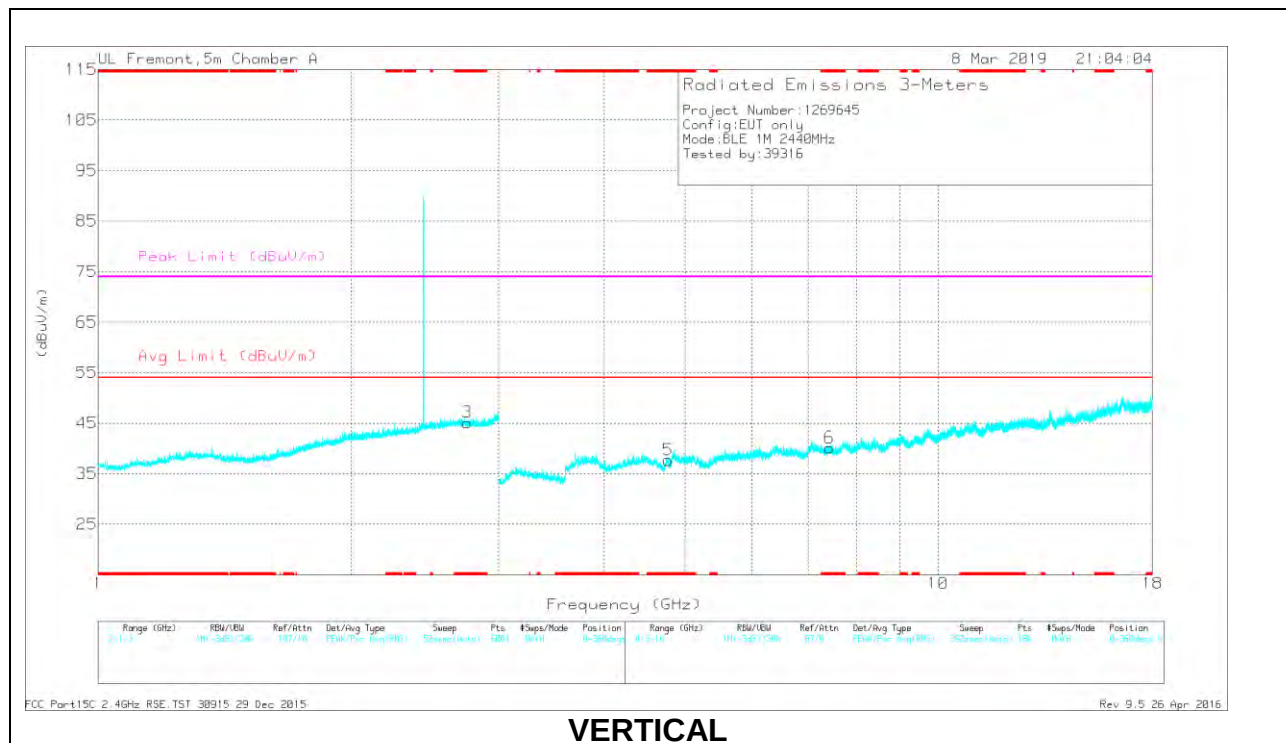
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

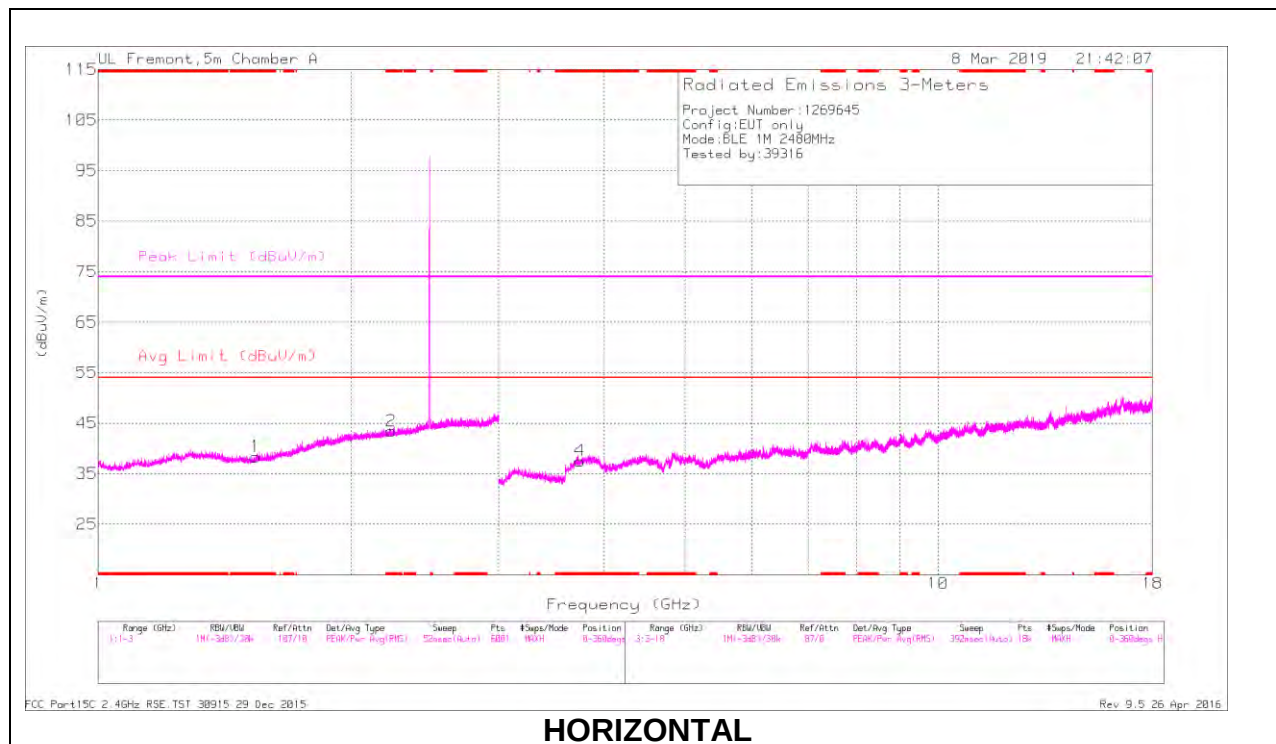
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.54	41.39	PK2	28	-24.4	44.99	-	-	74	-29.01	176	134	H
	* 1.542	30.46	MAv1	28.1	-24.4	34.16	54	-19.84	-	-	176	134	H
2	* 2.223	41.44	PK2	31.6	-22.9	50.14	-	-	74	-23.86	92	212	H
	* 2.224	30.18	MAv1	31.6	-22.8	38.98	54	-15.02	-	-	92	212	H
3	* 2.753	41.85	PK2	32.3	-22.1	52.05	-	-	74	-21.95	150	311	V
	* 2.753	30.49	MAv1	32.3	-22.1	40.69	54	-13.31	-	-	150	311	V
4	* 3.602	39.71	PK2	33.2	-29.6	43.31	-	-	74	-30.69	218	137	H
	* 3.602	28.67	MAv1	33.2	-29.6	32.27	54	-21.73	-	-	218	137	H
5	* 4.771	38.89	PK2	34.2	-27.8	45.29	-	-	74	-28.71	132	138	V
	* 4.771	28.41	MAv1	34.2	-27.8	34.81	54	-19.19	-	-	132	138	V
6	* 7.43	34.35	PK2	35.7	-23.2	46.85	-	-	74	-27.15	189	120	V
	* 7.432	24.26	MAv1	35.7	-23.2	36.76	54	-17.24	-	-	189	120	V

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

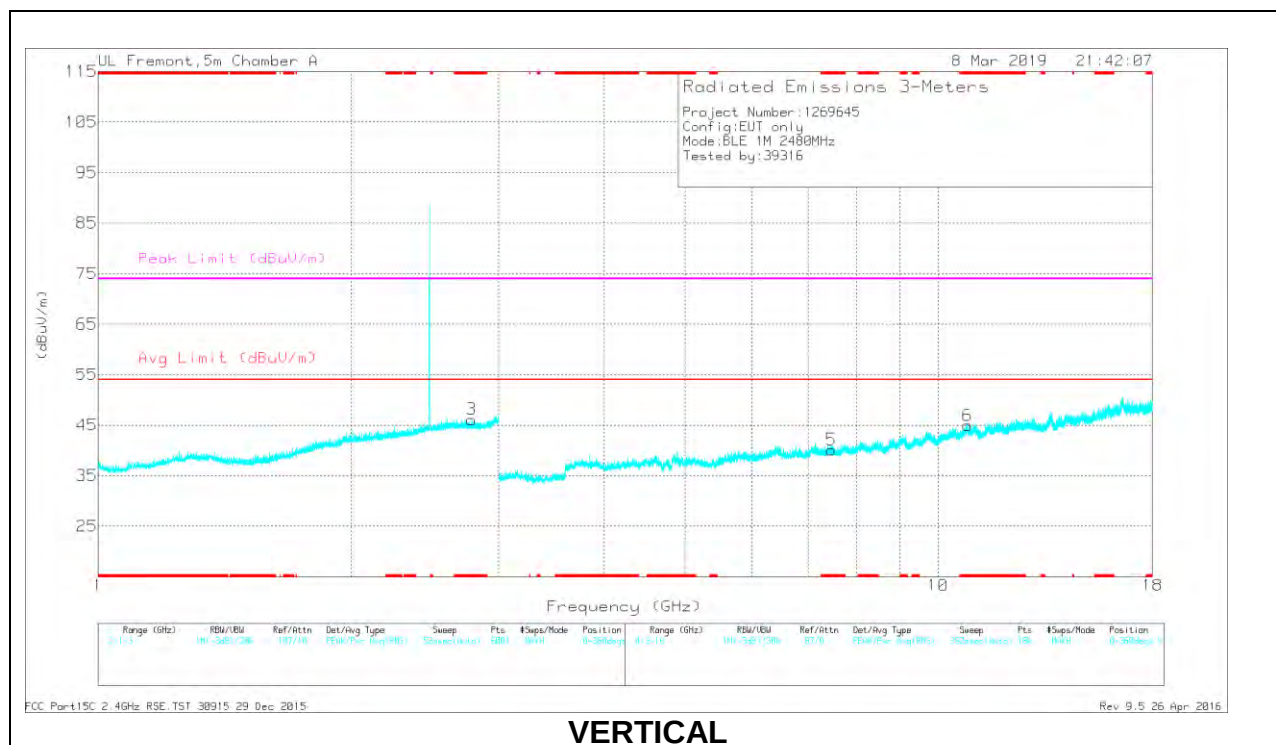
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

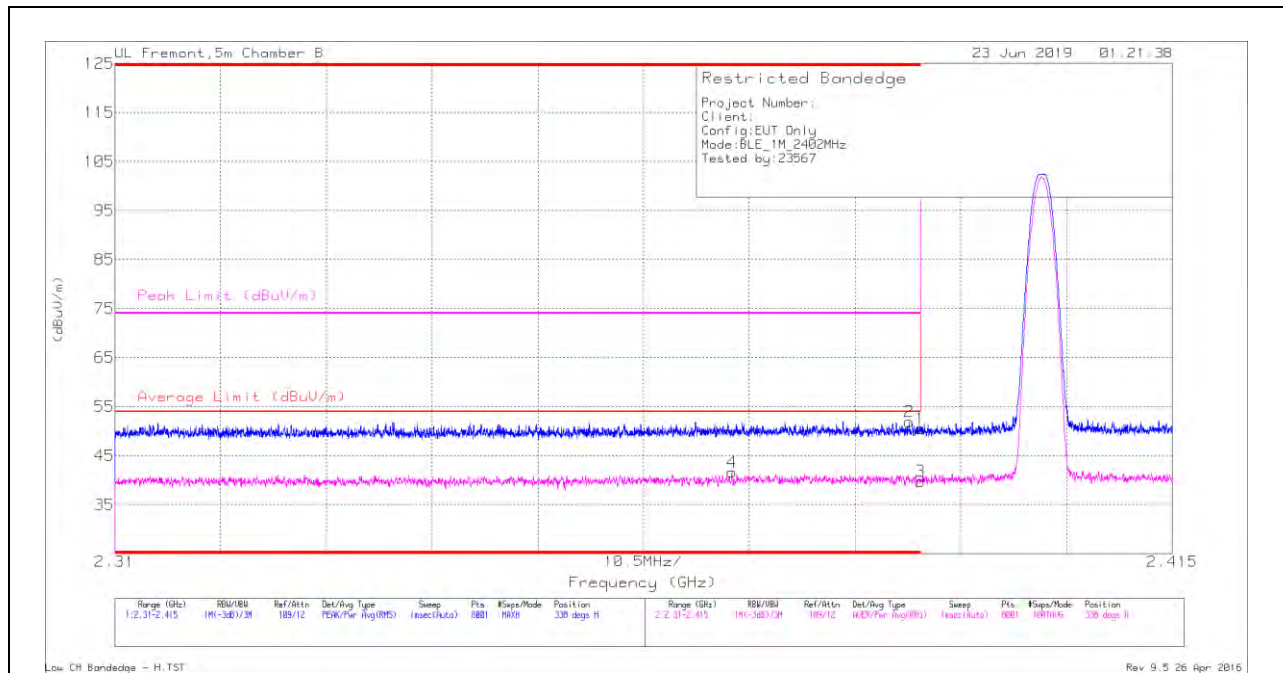
RADIATED EMISSIONS

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Ftr/ 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	* 1.542	41.62	PK2	28	-24.4	45.22	-	-	74	-28.78	251	123	H
	* 1.542	30.64	MAv1	28.1	-24.4	34.34	54	-19.66	-	-	251	123	H
2	* 2.233	42.12	PK2	31.7	-22.9	50.92	-	-	74	-23.08	94	108	H
	* 2.235	30.3	MAv1	31.7	-23	39	54	-15	-	-	94	108	H
3	* 2.784	41.5	PK2	32.4	-22.1	51.8	-	-	74	-22.2	14	147	V
	* 2.781	30.51	MAv1	32.4	-22.1	40.81	54	-13.19	-	-	14	147	V
4	* 3.745	39.49	PK2	33.4	-29	43.89	-	-	74	-30.11	60	126	H
	* 3.747	29.33	MAv1	33.4	-29.1	33.63	54	-20.37	-	-	60	126	H
5	* 7.469	34.48	PK2	35.6	-23.3	46.78	-	-	74	-27.22	115	133	V
	* 7.467	24.44	MAv1	35.6	-23.3	36.74	54	-17.26	-	-	115	133	V
6	* 10.852	33.34	PK2	37.9	-19.9	51.34	-	-	74	-22.66	163	136	V
	* 10.85	23.14	MAv1	37.9	-19.8	41.24	54	-12.76	-	-	163	136	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**

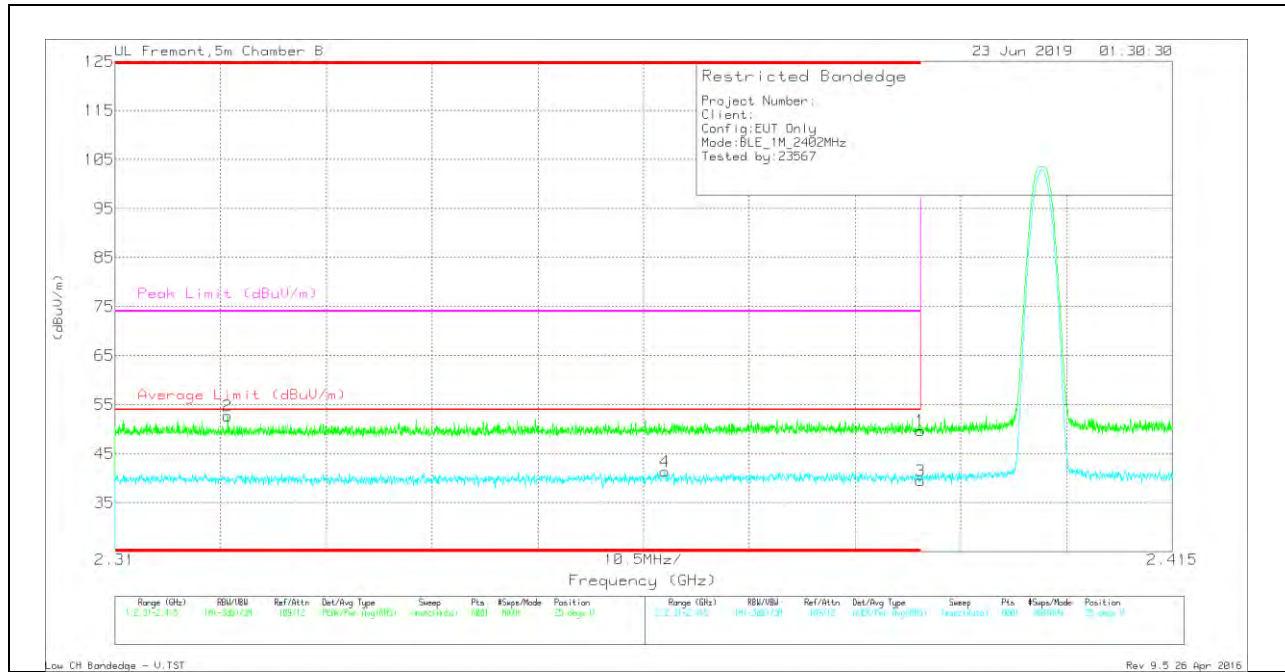
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cb/Ftr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 2.371	28.74	RMS	31.8	-18.9	41.64	54	-12.36	-	-	338	190	H
2	* 2.389	38.98	Pk	31.9	-18.9	51.98	-	-	74	-22.02	338	190	H
1	* 2.39	37.57	Pk	31.9	-18.9	50.57	-	-	74	-23.43	338	190	H
3	* 2.39	26.81	RMS	31.9	-18.9	39.81	54	-14.19	-	-	338	190	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

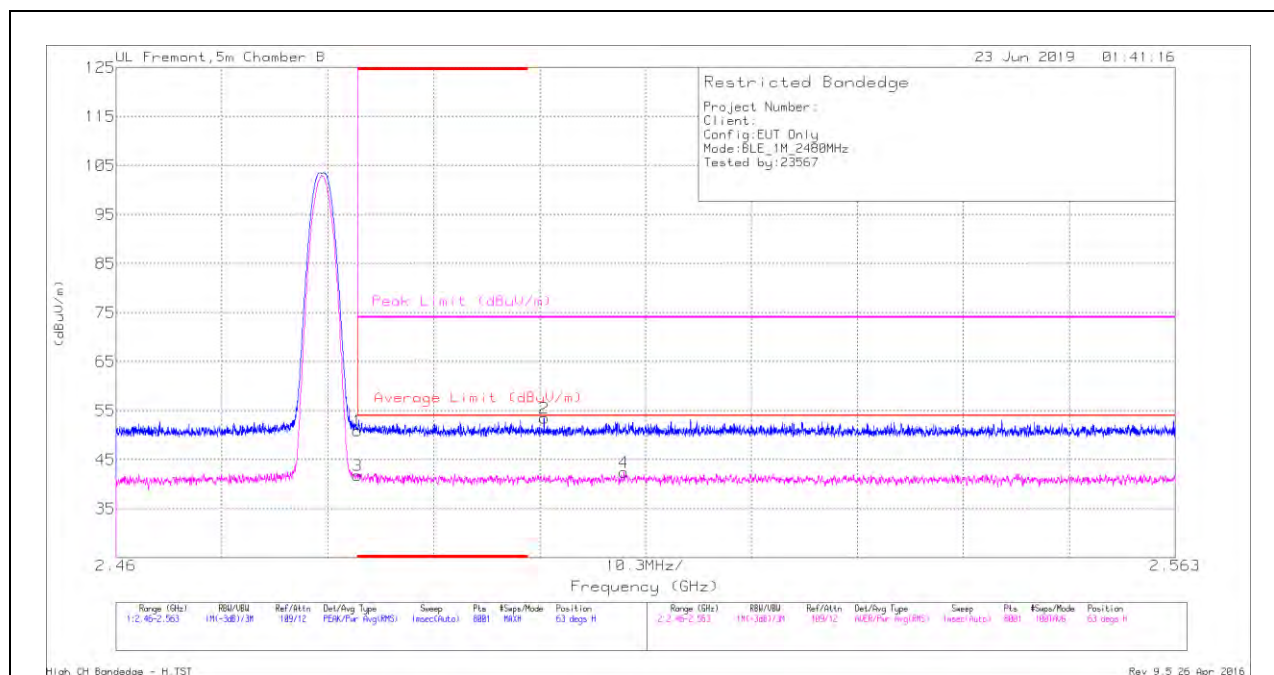


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cb/Ftr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.321	40.03	Pk	31.7	-19	52.73	-	-	74	-21.27	25	113	V
4	* 2.365	28.67	RMS	31.7	-19	41.37	54	-12.63	-	-	25	113	V
1	* 2.39	36.71	Pk	31.9	-18.9	49.71	-	-	74	-24.29	25	113	V
3	* 2.39	26.52	RMS	31.9	-18.9	39.52	54	-14.48	-	-	25	113	V

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

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

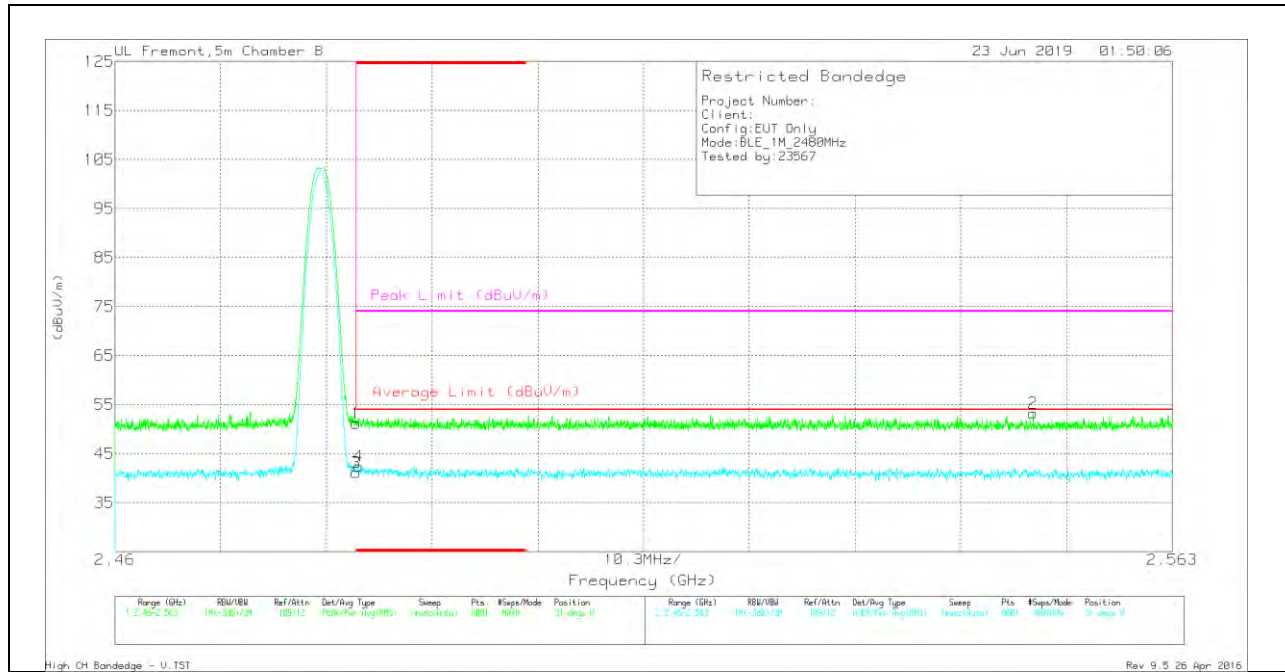
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cb/Ftr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	37.55	Pk	32.3	-18.9	50.95	-	-	74	-23.05	63	143	H
3	* 2.484	28.42	RMS	32.3	-18.9	41.82	54	-12.18	-	-	63	143	H
2	2.502	40.07	Pk	32.4	-19	53.47	-	-	74	-20.53	63	143	H
4	2.509	28.82	RMS	32.4	-18.8	42.42	54	-11.58	-	-	63	143	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 T344 (dB/m)	Amp/Cb/Ftr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	37.81	Pk	32.3	-18.9	51.21	-	-	74	-22.79	31	111	V
3	* 2.484	27.78	RMS	32.3	-18.9	41.18	54	-12.82	-	-	31	111	V
4	* 2.484	29.06	RMS	32.3	-18.9	42.46	54	-11.54	-	-	31	111	V
2	2.549	39.91	Pk	32.3	-18.9	53.31	-	-	74	-20.69	31	111	V

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

Pk - Peak detector

RMS - RMS detection