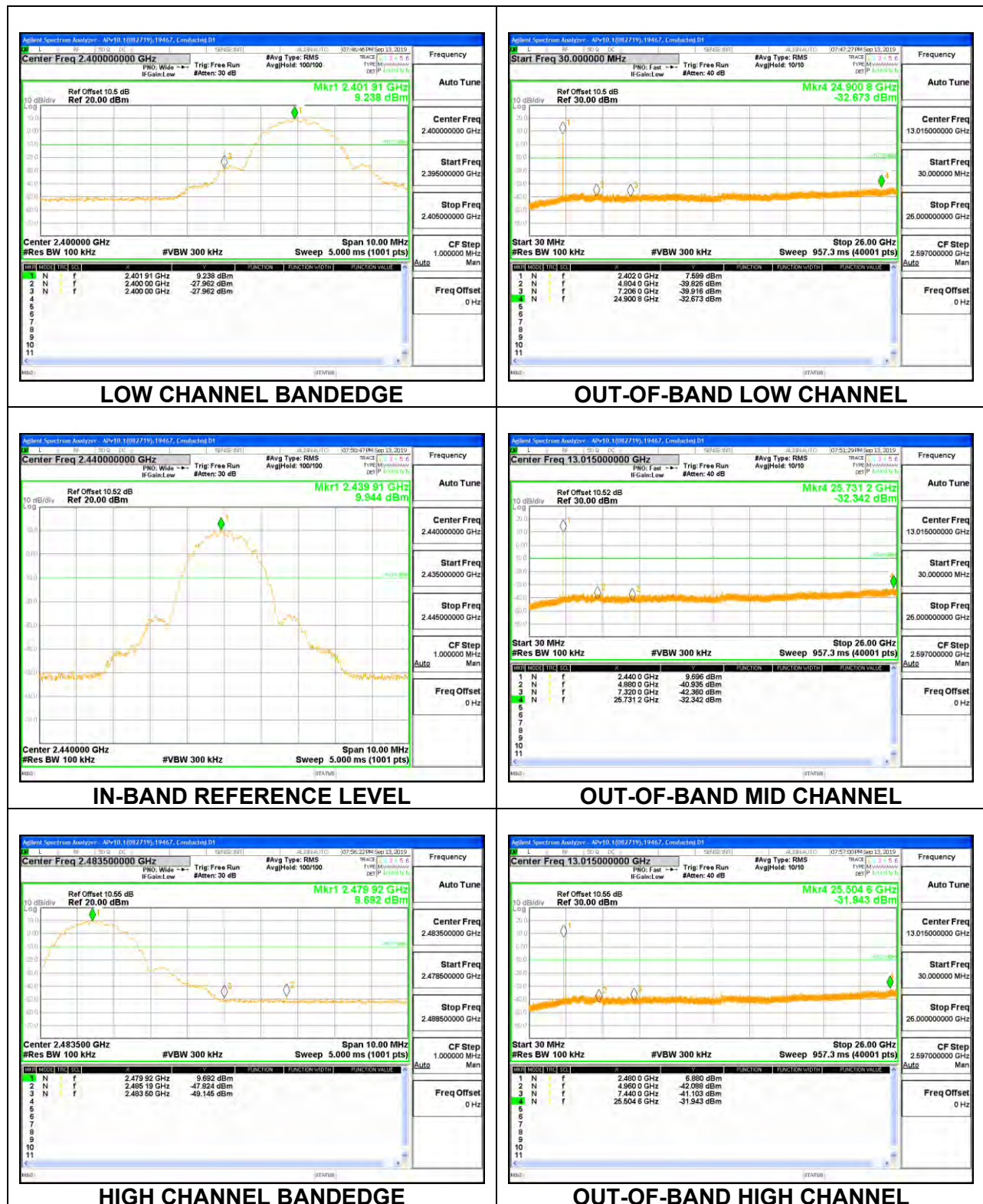
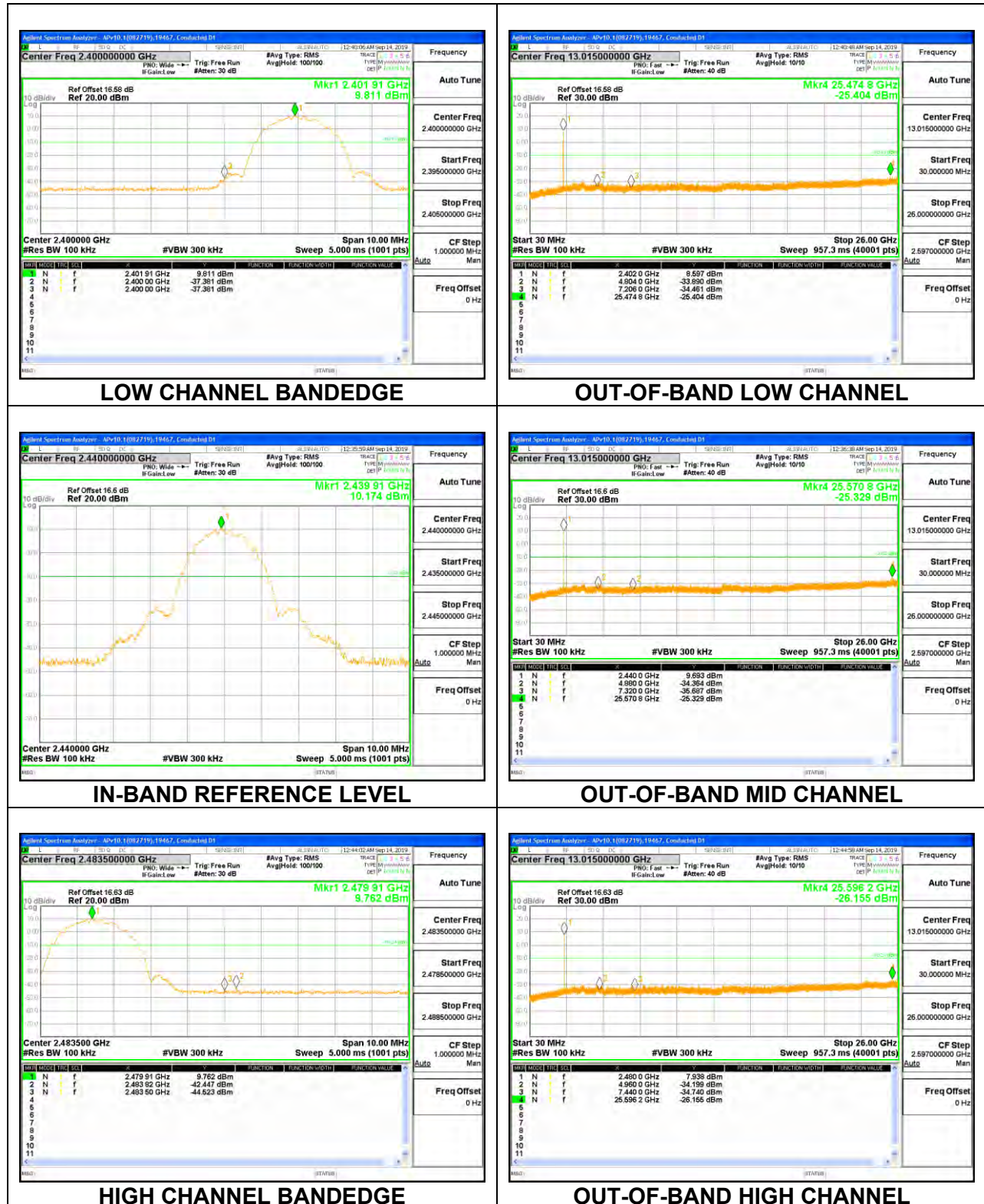


8.7.4. LOW POWER BLE (2Mbps)

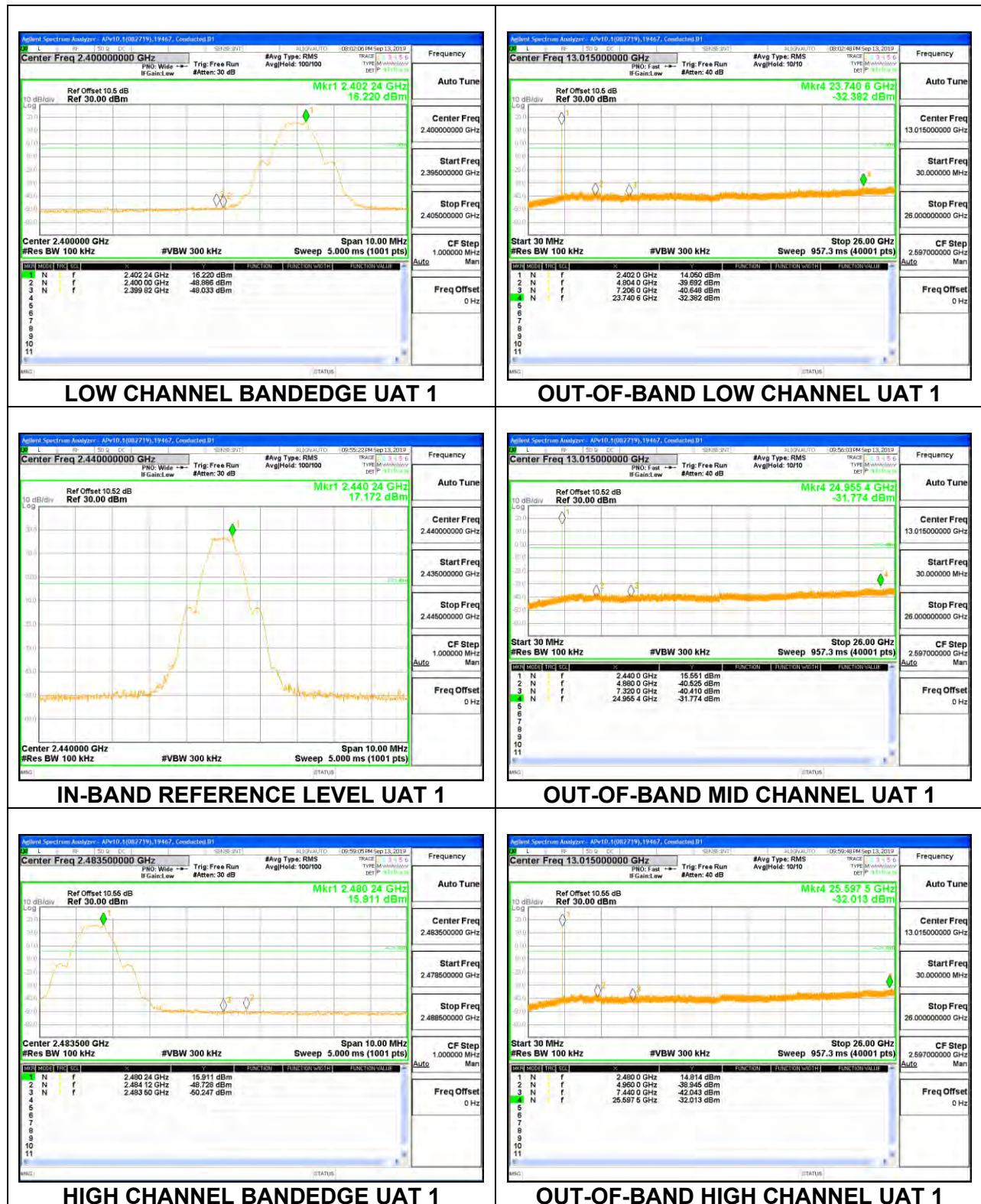
UAT 1

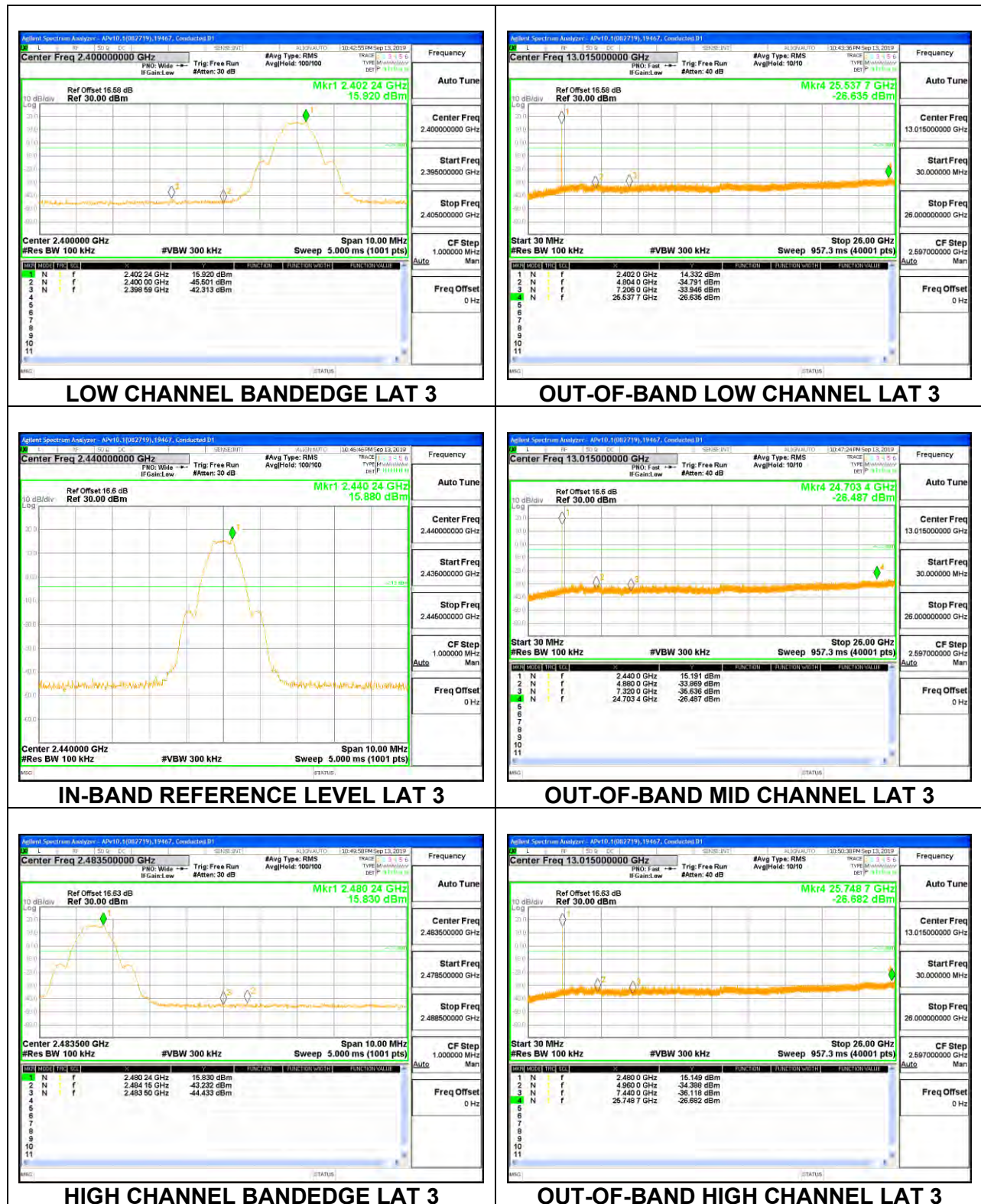


LAT 3

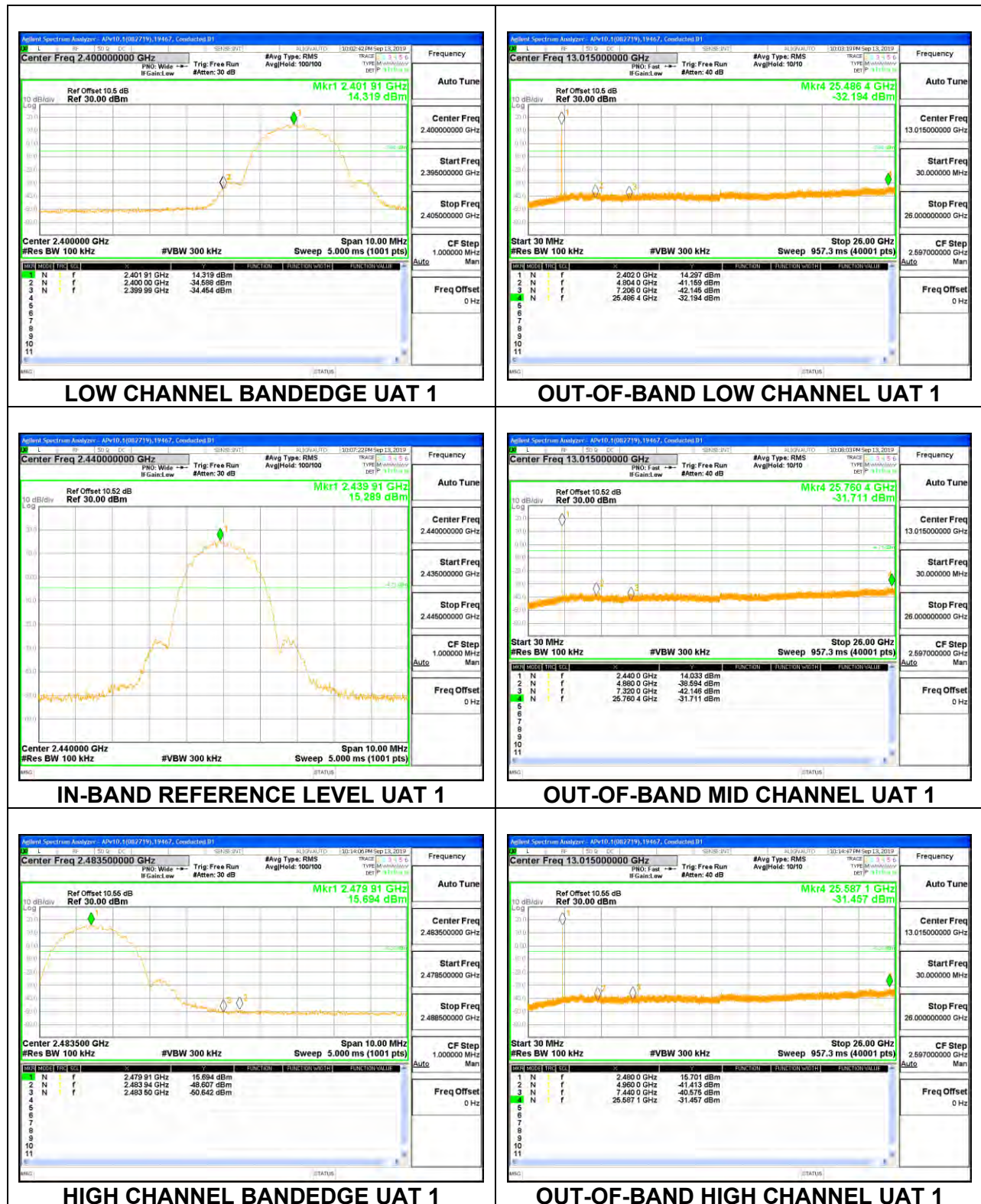


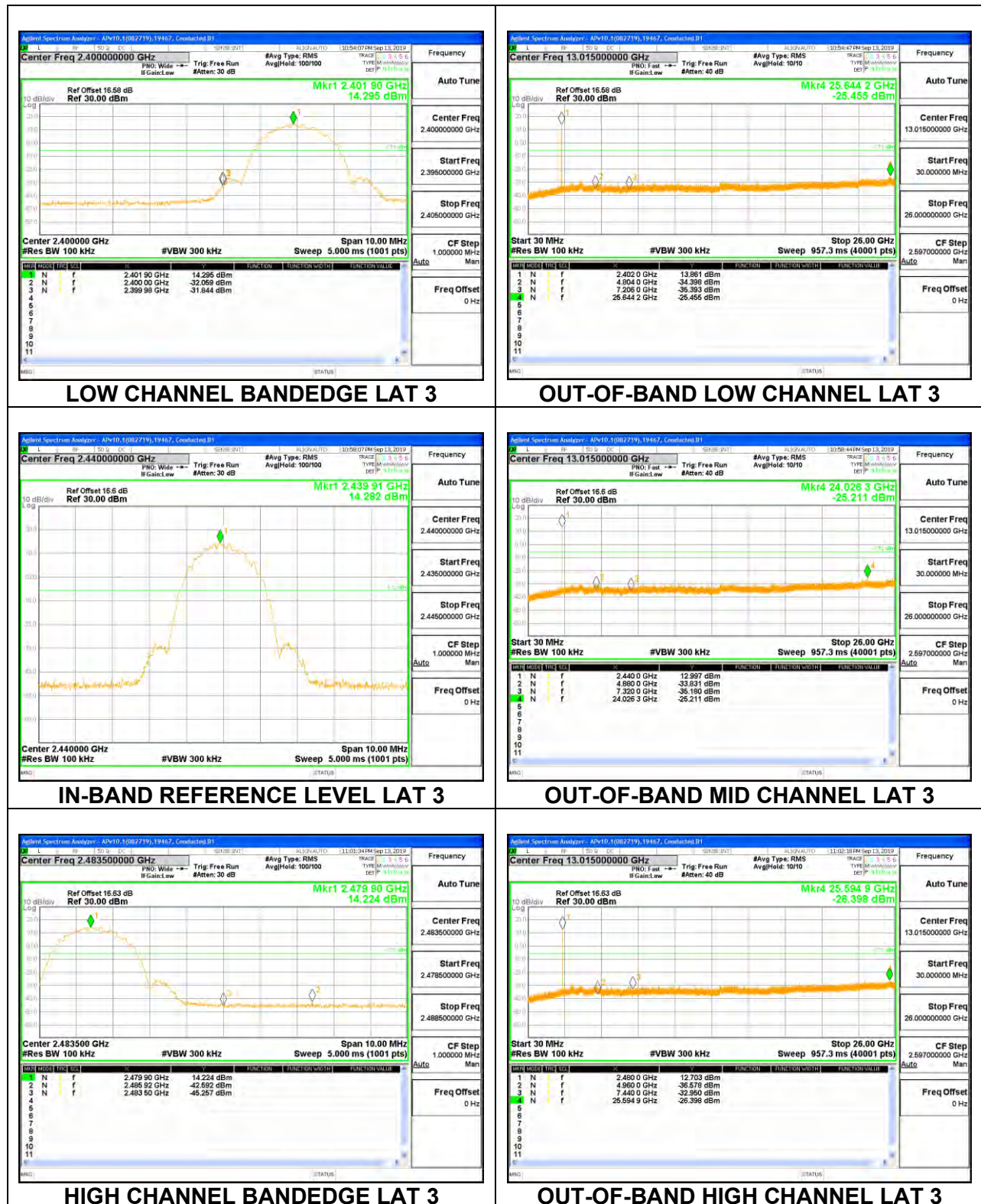
8.7.5. BEAMFORMING HIGH POWER BLE (1Mbps)



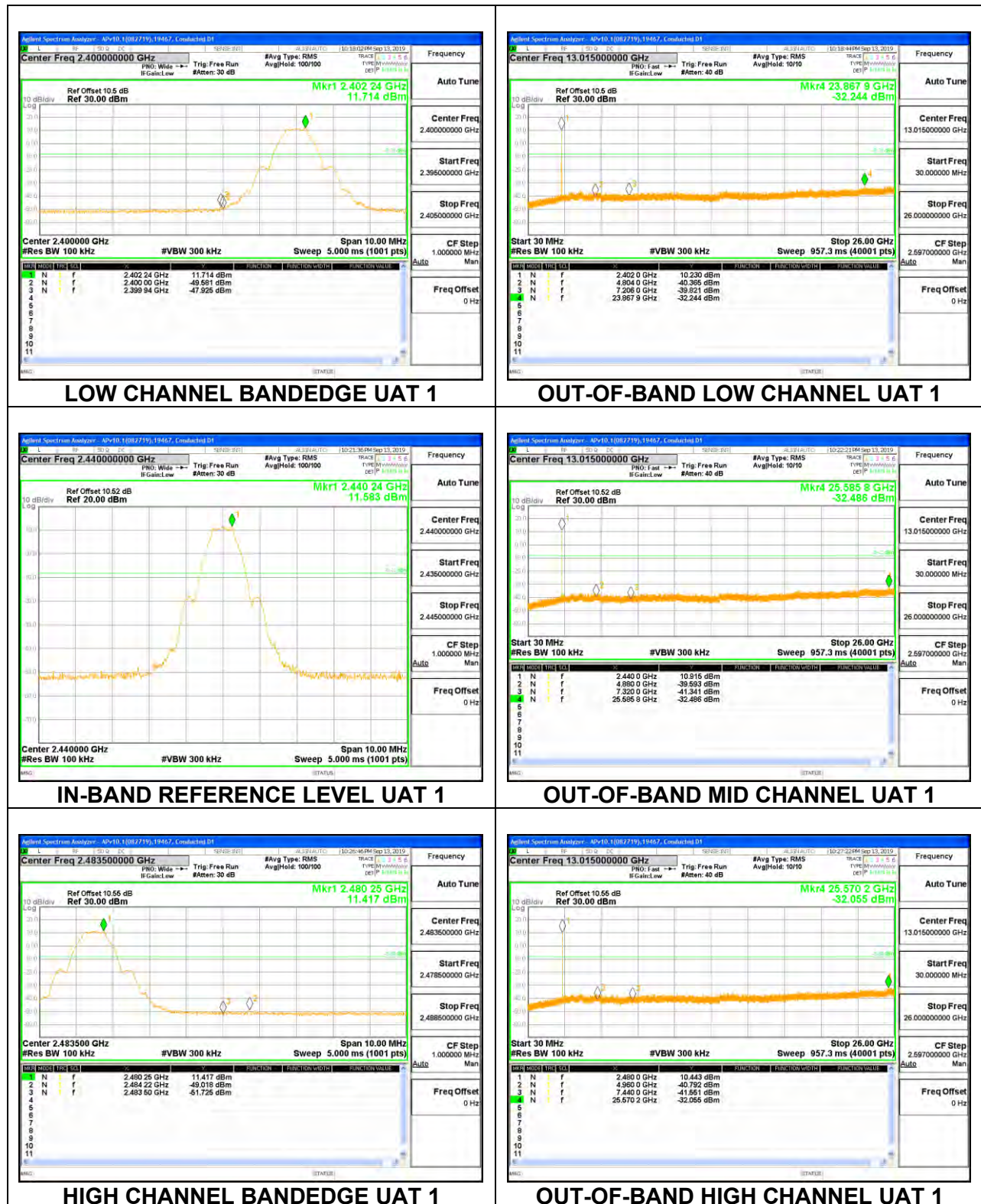


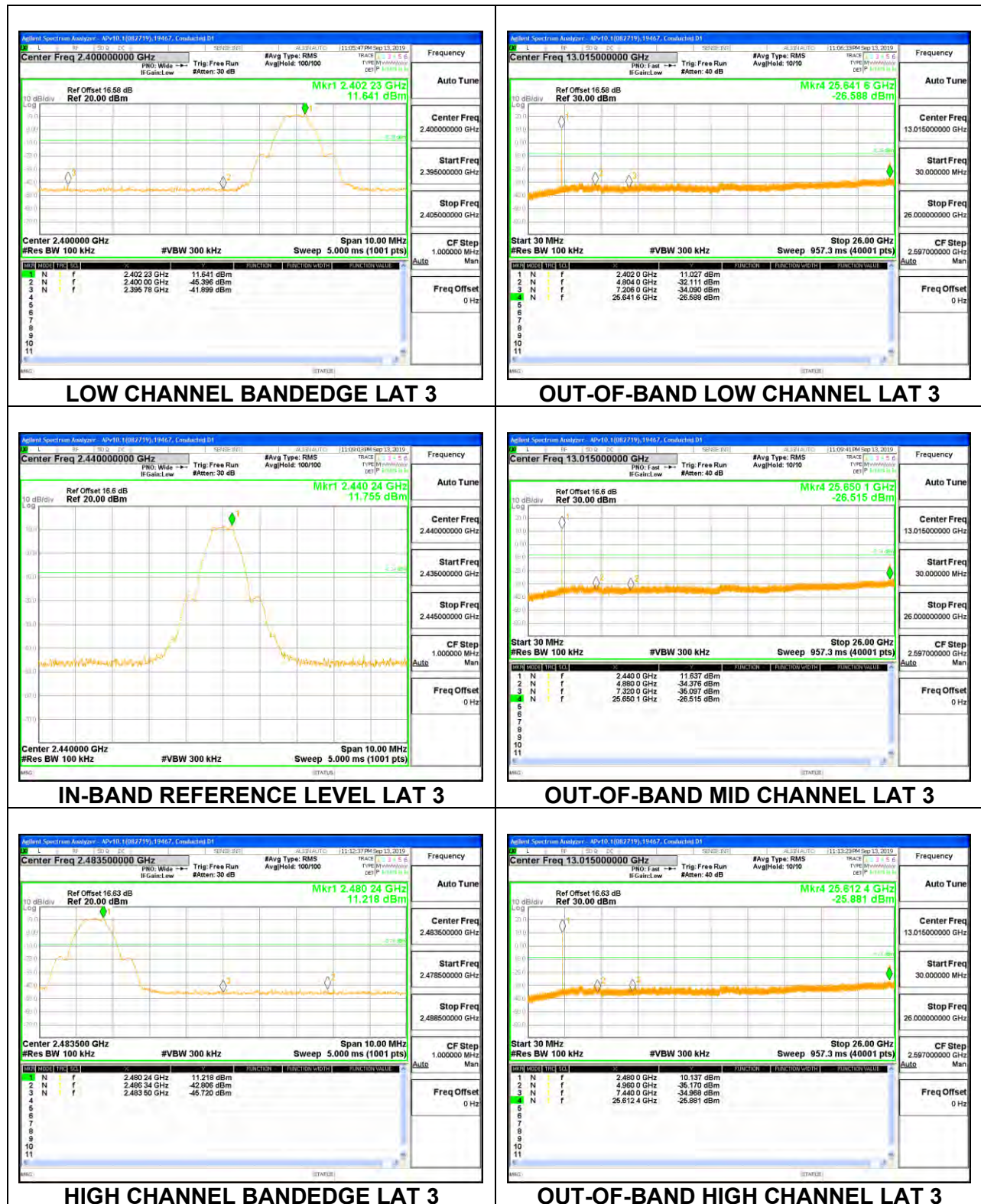
8.7.6. BEAMFORMING HIGH POWER BLE (2Mbps)



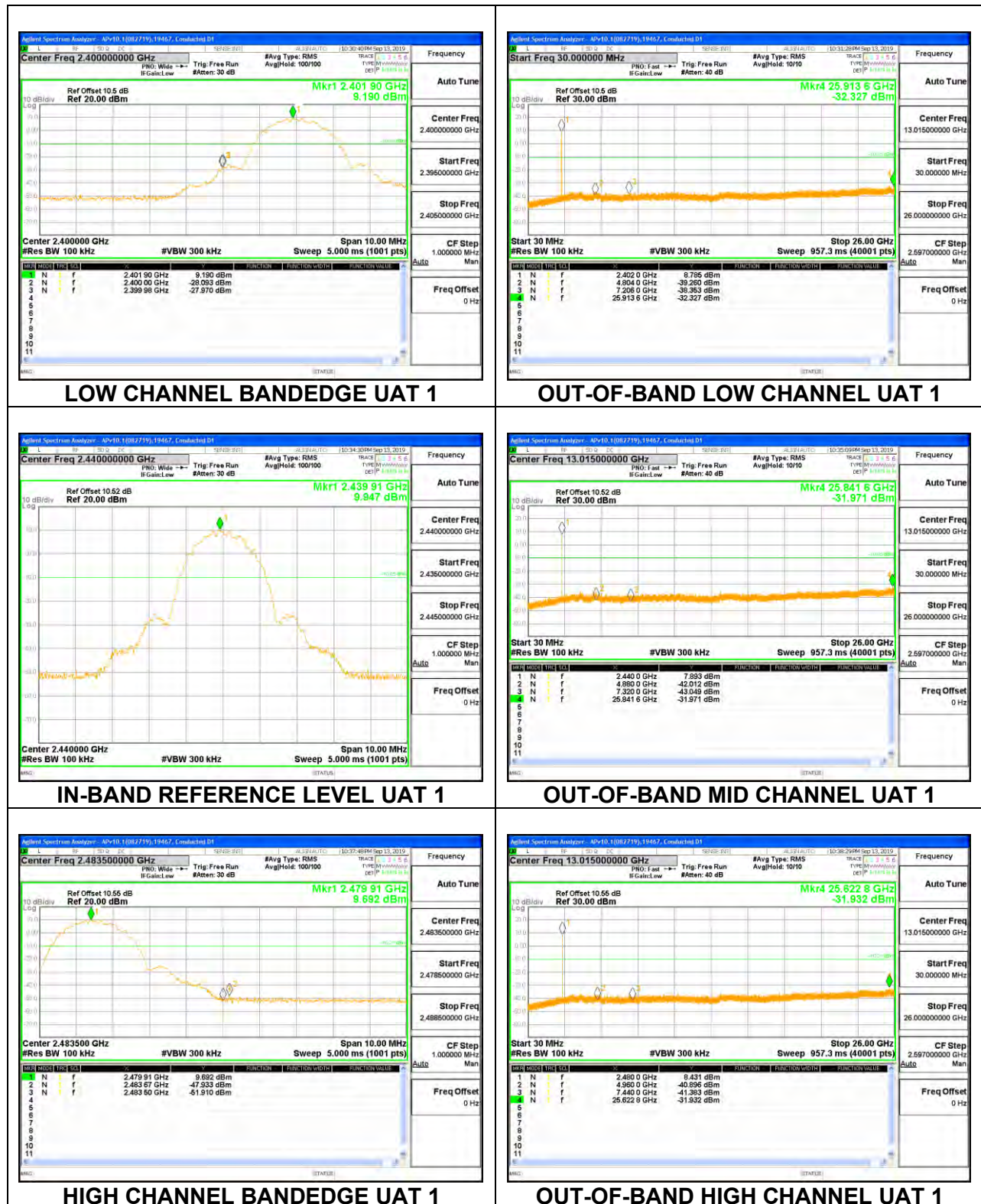


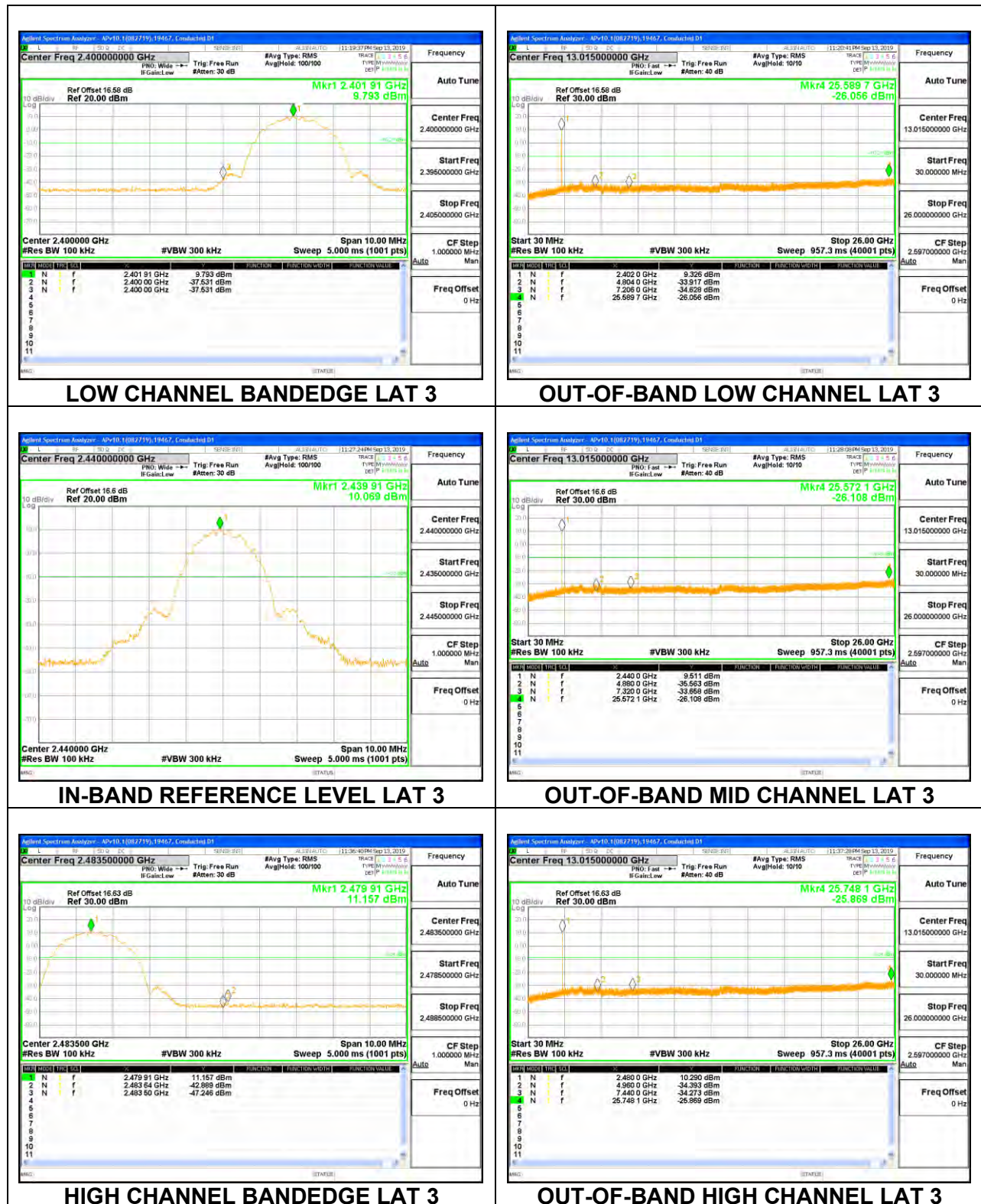
8.7.7. BEAMFORMING LOW POWER BLE (1Mbps)





8.7.8. BEAMFORMING LOW POWER BLE (2Mbps)





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).

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.

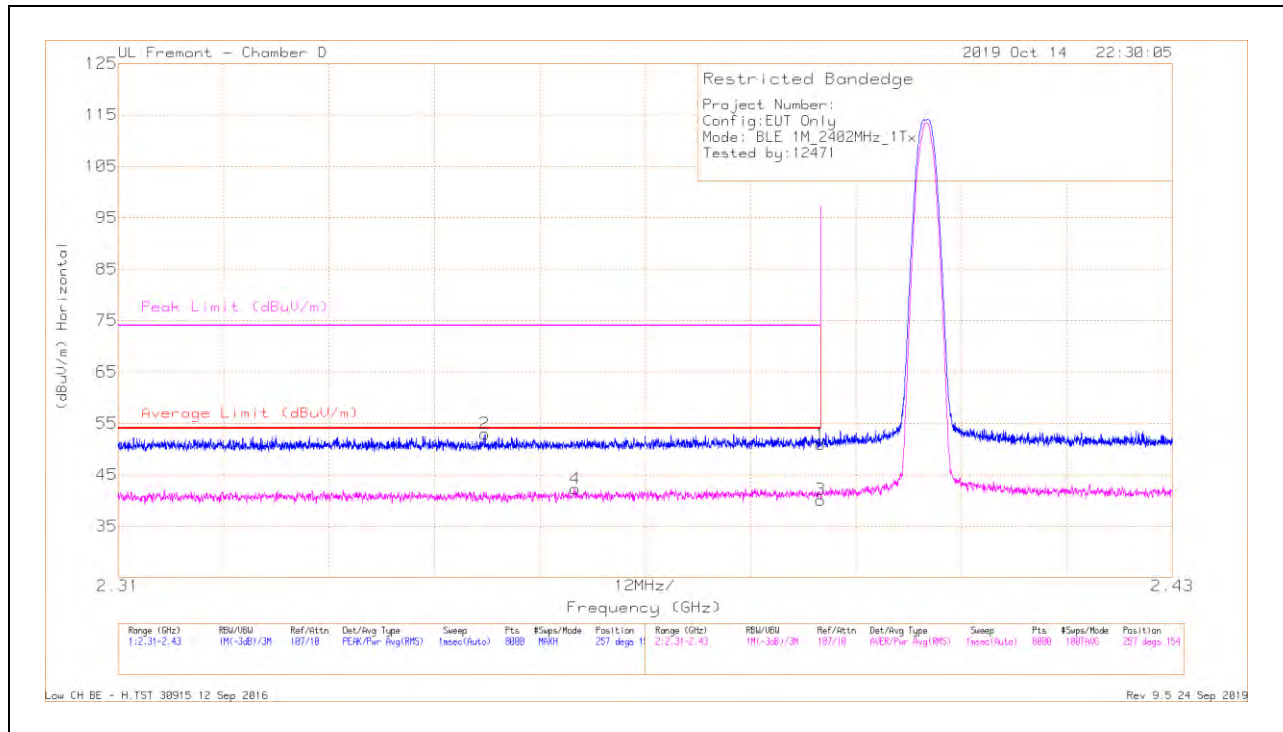
9.2. TRANSMITTER ABOVE 1 GHz

9.2.1. HIGH POWER BLE (1Mbps)

UAT 1

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



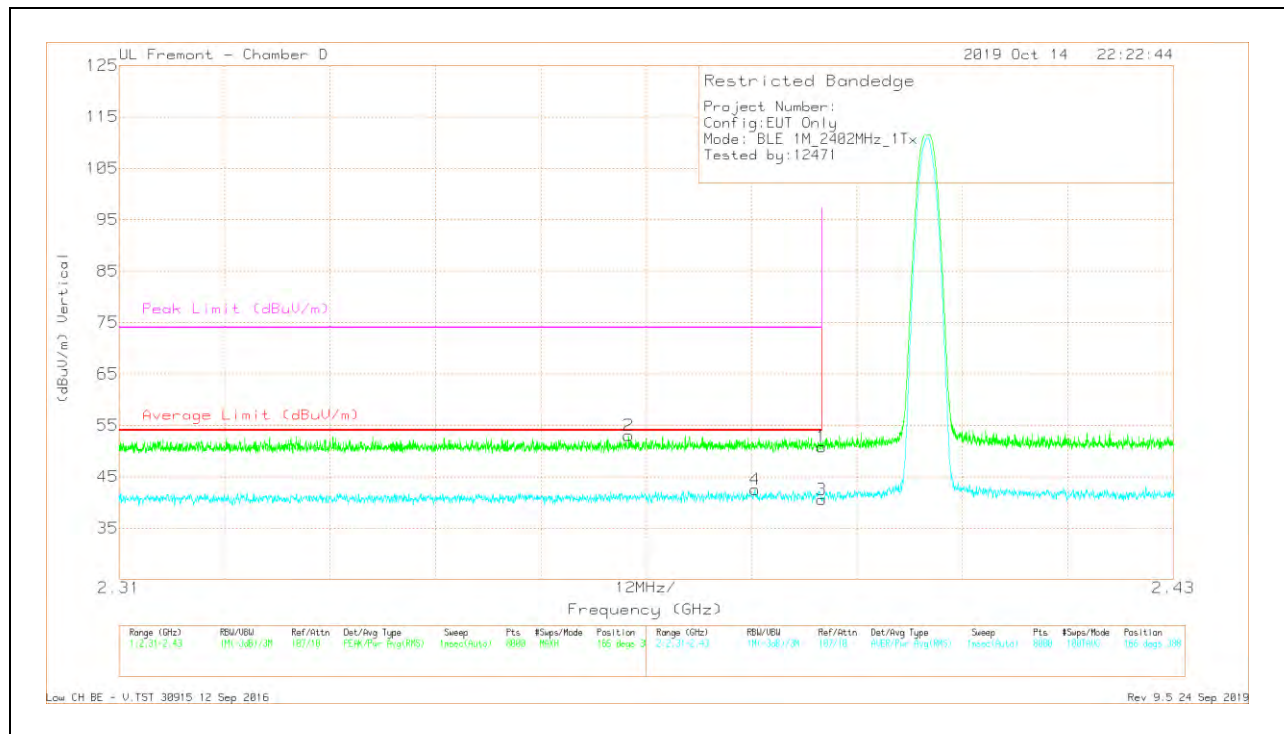
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	39.45	Pk	32	-20.5	50.95	-	-	74	-23.05	257	154	H
2	* 2.35177	41.96	Pk	31.7	-20.7	52.96	-	-	74	-21.04	257	154	H
3	* 2.38999	28.62	RMS	32	-20.5	40.12	54	-13.88	-	-	257	154	H
4	* 2.36204	31.05	RMS	31.8	-20.6	42.25	54	-11.75	-	-	257	154	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 T712 (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	* 2.38999	39.37	Pk	32	-20.5	50.87	-	-	74	-23.13	166	388	V
2	* 2.368	41.82	Pk	31.8	-20.6	53.02	-	-	74	-20.98	166	388	V
3	* 2.38999	29.06	RMS	32	-20.5	40.56	54	-13.44	-	-	166	388	V
4	* 2.38238	31.12	RMS	32	-20.6	42.52	54	-11.48	-	-	166	388	V

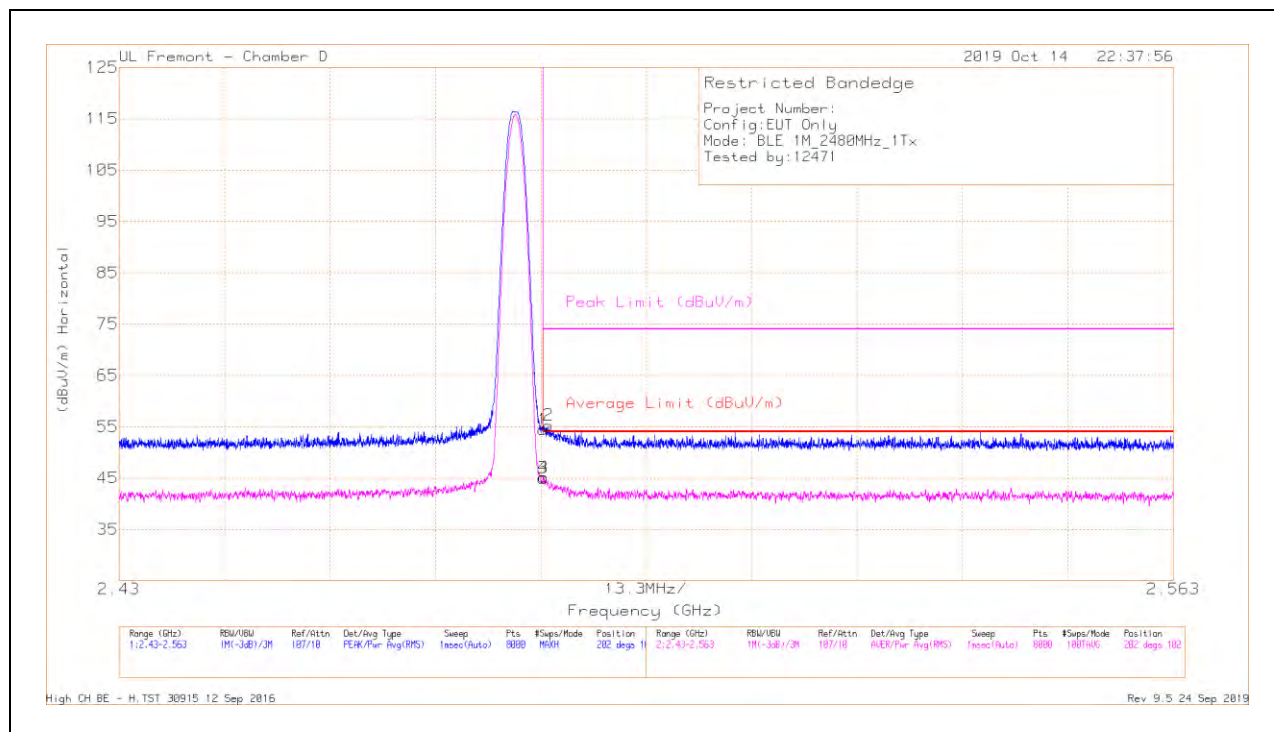
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



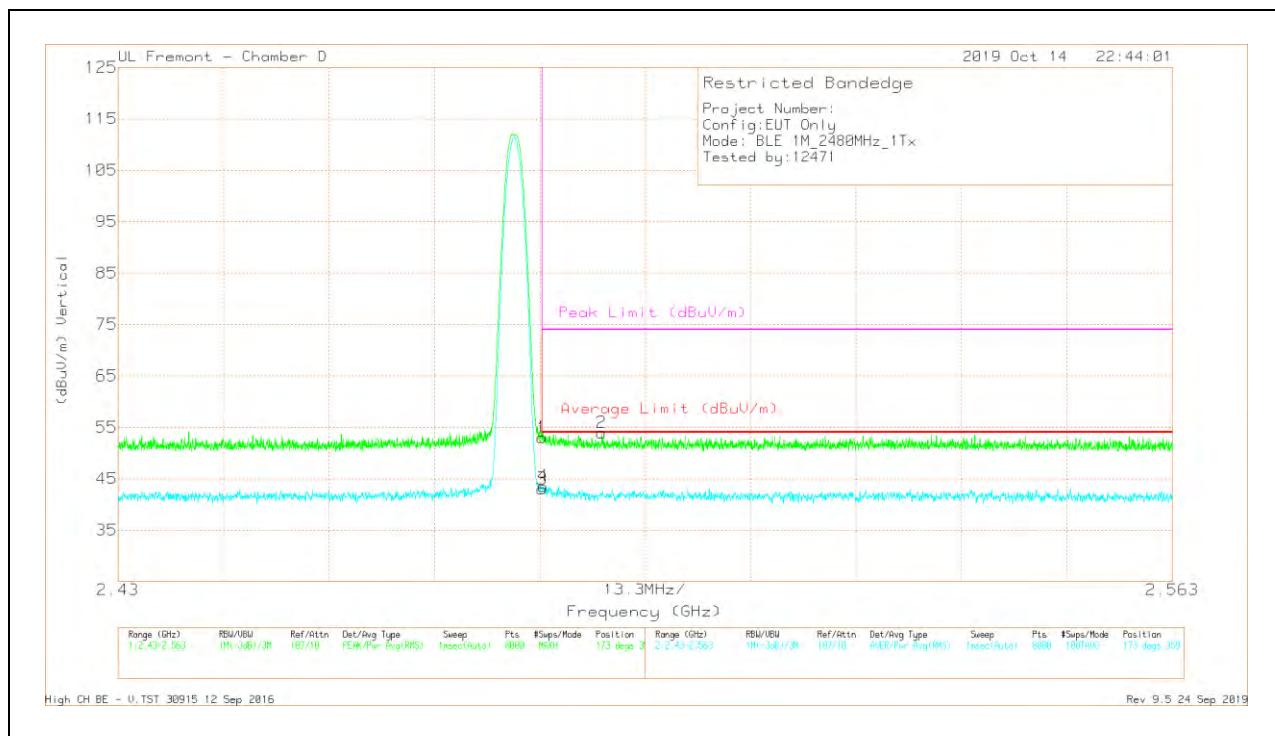
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	42.57	Pk	32.4	-20.5	54.47	-	-	74	-19.53	202	102	H
2	* 2.4842	43.47	Pk	32.3	-20.5	55.27	-	-	74	-18.73	202	102	H
3	* 2.48351	33.13	RMS	32.4	-20.5	45.03	54	-8.97	-	-	202	102	H
4	* 2.48352	33.29	RMS	32.4	-20.5	45.19	54	-8.81	-	-	202	102	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (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	* 2.48351	41.13	Pk	32.4	-20.5	53.03	-	-	74	-20.97	173	359	V
2	* 2.491	41.94	Pk	32.4	-20.4	53.94	-	-	74	-20.06	173	359	V
3	* 2.48351	31.11	RMS	32.4	-20.5	43.01	54	-10.99	-	-	173	359	V
4	* 2.48362	31.65	RMS	32.4	-20.5	43.55	54	-10.45	-	-	173	359	V

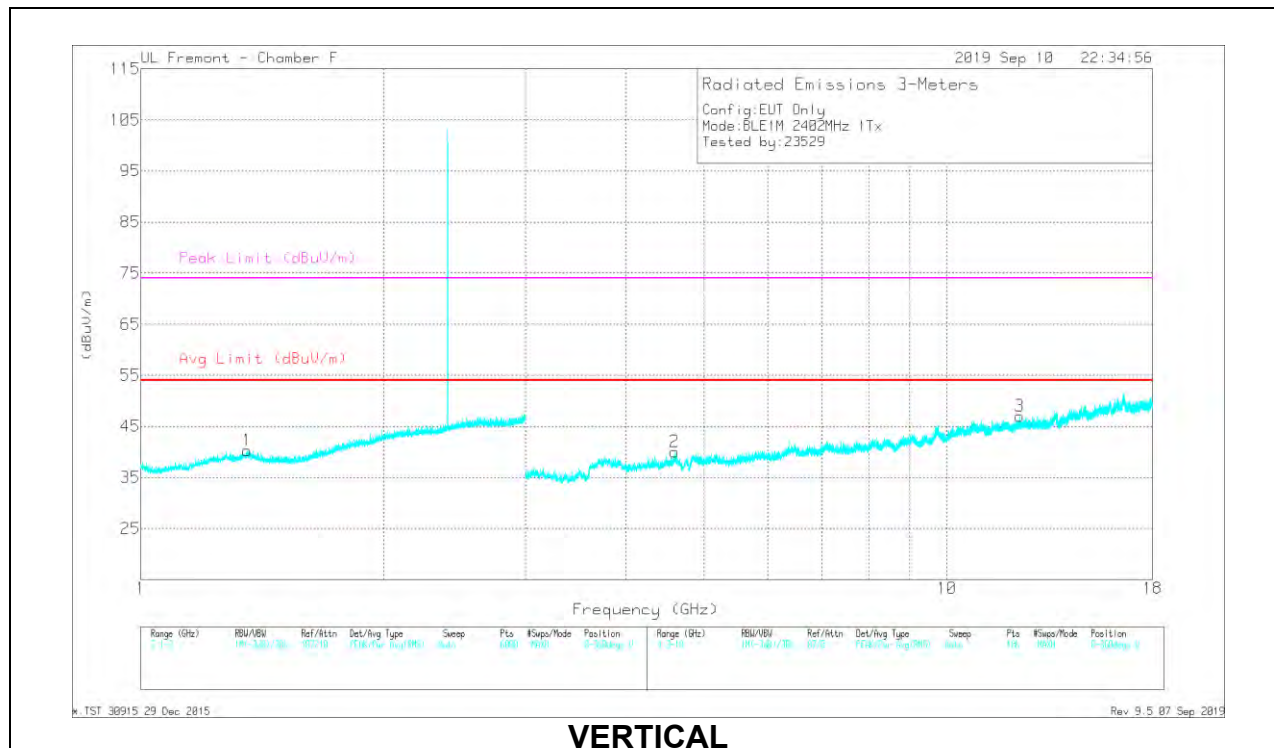
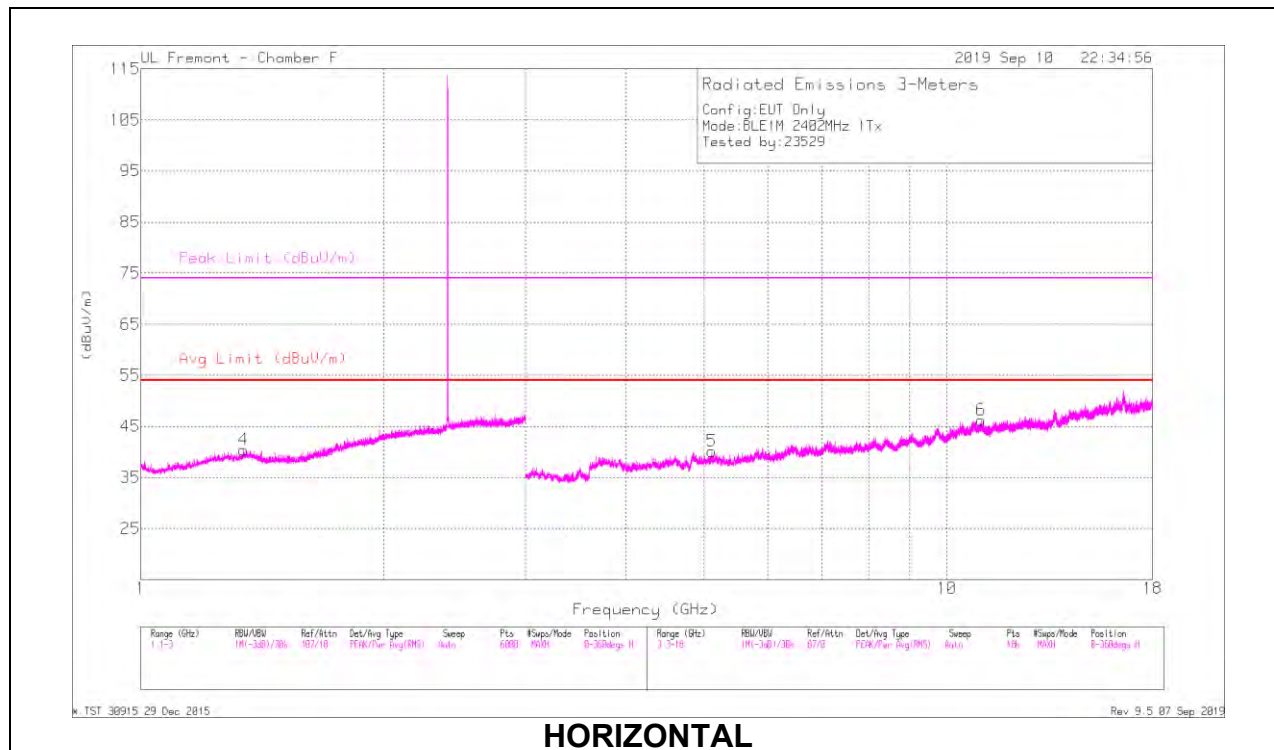
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

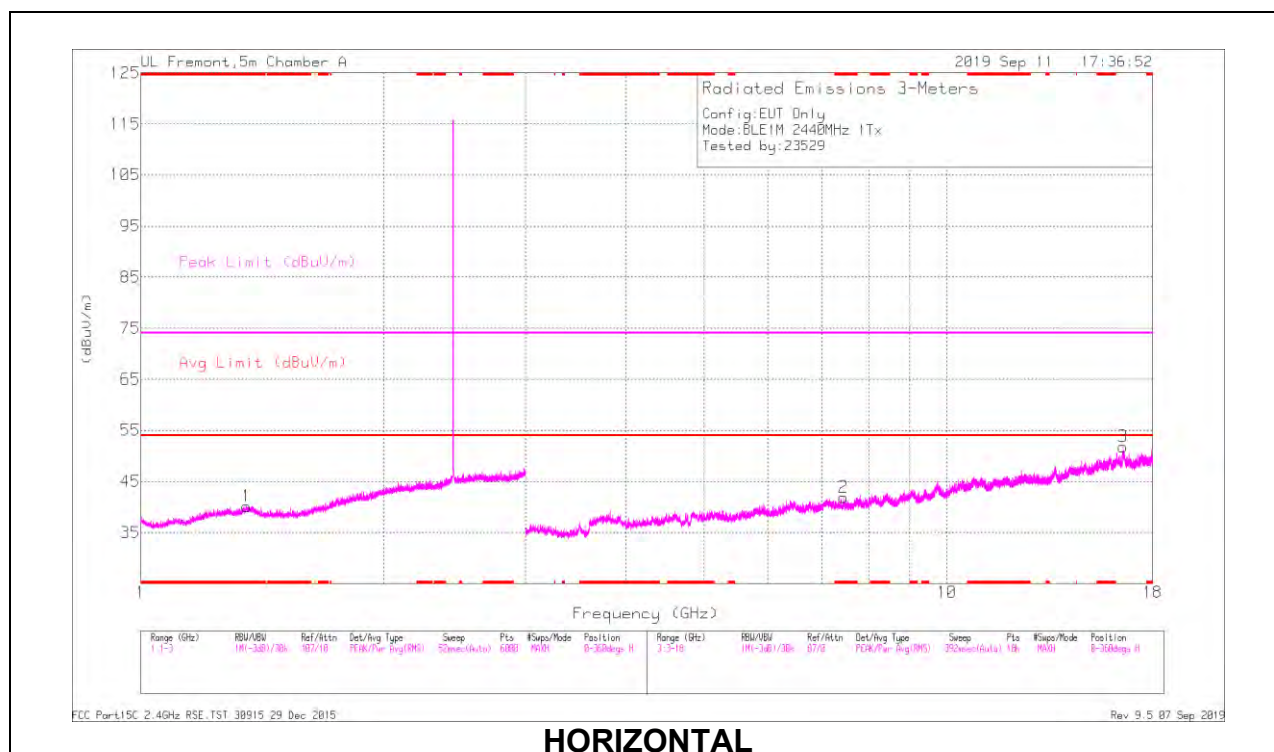
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.35435	42.09	PK2	29.6	-24.5	47.19	-	-	74	-26.81	149	200	V
	* 1.35485	30.59	MAv1	29.6	-24.6	35.59	54	-18.41	-	-	149	200	V
2	* 4.59346	38.96	PK2	34.3	-27.4	45.86	-	-	74	-28.14	273	372	V
	* 4.59312	27.61	MAv1	34.3	-27.4	34.51	54	-19.49	-	-	273	372	V
3	* 12.31749	33.21	PK2	39	-19.5	52.71	-	-	74	-21.29	62	316	V
	* 12.31585	22.05	MAv1	39	-19.4	41.65	54	-12.35	-	-	62	316	V
4	* 1.34356	42.15	PK2	29.3	-24.6	46.85	-	-	74	-27.15	285	125	H
	* 1.3428	30.75	MAv1	29.3	-24.6	35.45	54	-18.55	-	-	285	125	H
5	* 5.11459	38.58	PK2	34.4	-26.7	46.28	-	-	74	-27.72	148	174	H
	* 5.11247	27.47	MAv1	34.4	-26.7	35.17	54	-18.83	-	-	148	174	H
6	* 11.03025	34.41	PK2	37.9	-19.3	53.01	-	-	74	-20.99	148	155	H
	* 11.02886	23.08	MAv1	37.9	-19.3	41.68	54	-12.32	-	-	148	155	H

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

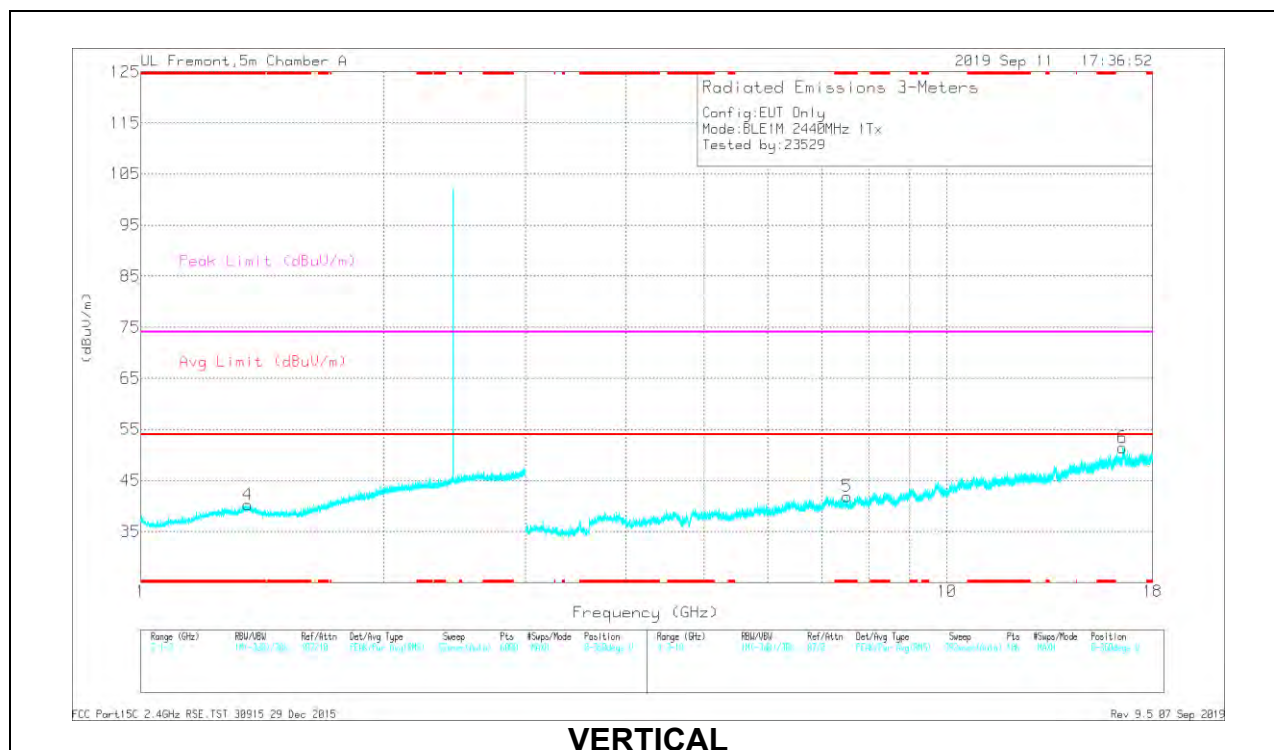
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

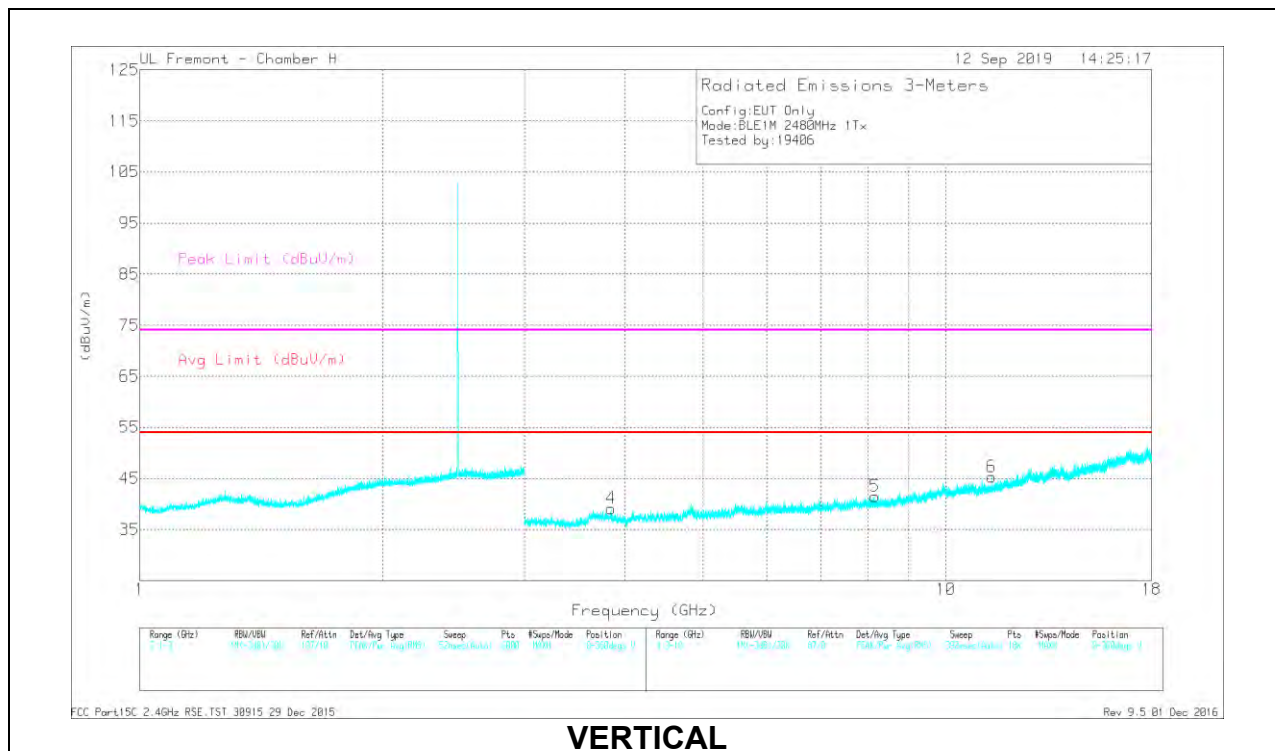
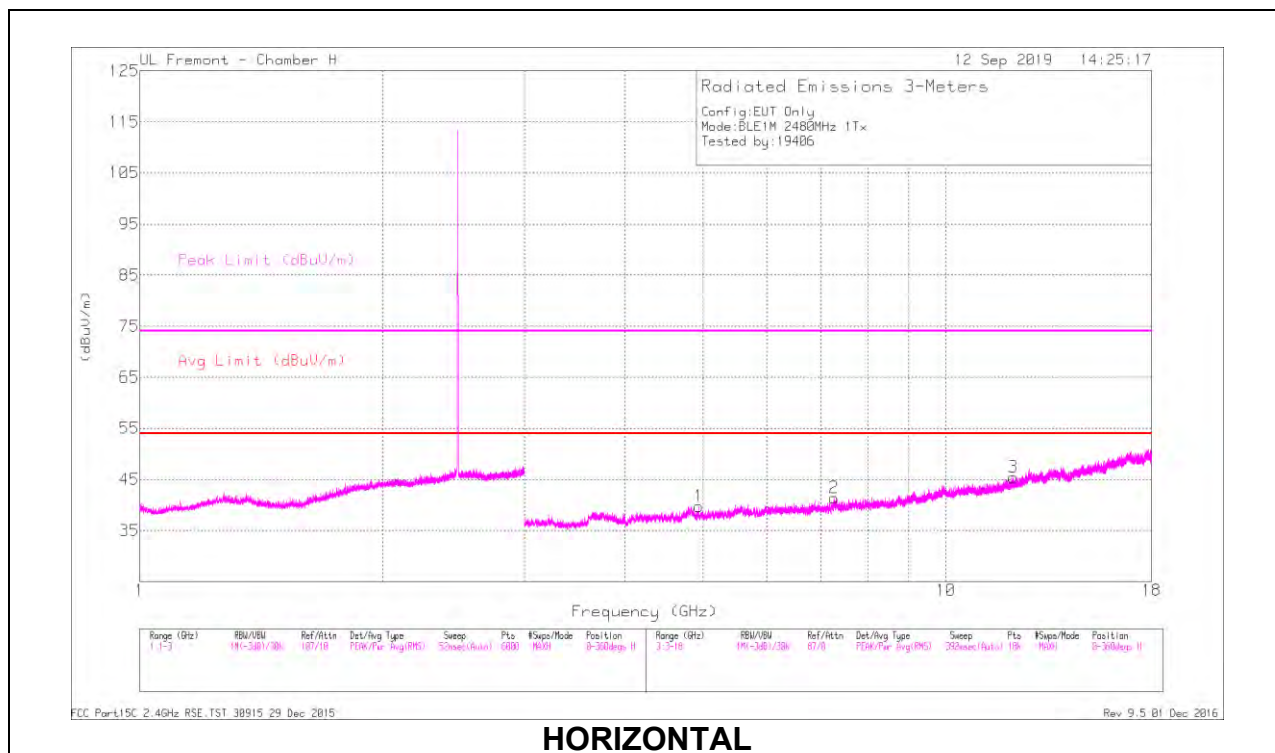
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.35448	43.54	PK2	29.6	-24.5	48.64	-	-	74	-25.36	341	185	H
	* 1.35194	30.89	MAv1	29.6	-24.5	35.99	54	-18.01	-	-	341	185	H
2	* 7.4419	34.35	PK2	35.7	-22.3	47.75	-	-	74	-26.25	65	252	H
	* 7.44115	23.5	MAv1	35.7	-22.3	36.9	54	-17.1	-	-	65	252	H
3	16.55814	33.45	PK2	41.4	-16.4	58.45	-	-	-	-	166	178	H
4	* 1.35526	42.43	PK2	29.6	-24.6	47.43	-	-	74	-26.57	248	222	V
	* 1.35714	30.87	MAv1	29.6	-24.6	35.87	54	-18.13	-	-	248	222	V
5	* 7.5281	34.41	PK2	35.8	-22.5	47.71	-	-	74	-26.29	133	178	V
	* 7.52605	23.7	MAv1	35.7	-22.5	36.9	54	-17.1	-	-	133	178	V
6	16.52972	33.71	PK2	41.4	-17.4	57.71	-	-	-	-	15	201	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (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	* 4.936	41.09	PK2	34.1	-29.8	45.39	-	-	74	-28.61	351	265	H
	* 4.934	29.23	MAv1	34.1	-29.8	33.53	54	-20.47	-	-	351	265	H
2	* 7.262	39.41	PK2	36	-27.1	48.31	-	-	74	-25.69	22	382	H
	* 7.263	27.2	MAv1	36	-27.1	36.1	54	-17.9	-	-	22	382	H
3	* 12.136	36.14	PK2	38.9	-23	52.04	-	-	74	-21.96	360	176	H
	* 12.134	24.25	MAv1	38.8	-23	40.05	54	-13.95	-	-	360	176	H
4	* 3.844	42.77	PK2	33.6	-30.7	45.67	-	-	74	-28.33	353	105	V
	* 3.846	30.48	MAv1	33.5	-30.6	33.38	54	-20.62	-	-	353	105	V
5	* 8.173	37.38	PK2	36	-26	47.38	-	-	74	-26.62	176	139	V
	* 8.175	25.71	MAv1	36	-25.9	35.81	54	-18.19	-	-	176	139	V
6	* 11.401	36.04	PK2	38.1	-23.5	50.64	-	-	74	-23.36	360	245	V
	* 11.403	24.44	MAv1	38.1	-23.4	39.14	54	-14.86	-	-	360	245	V

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

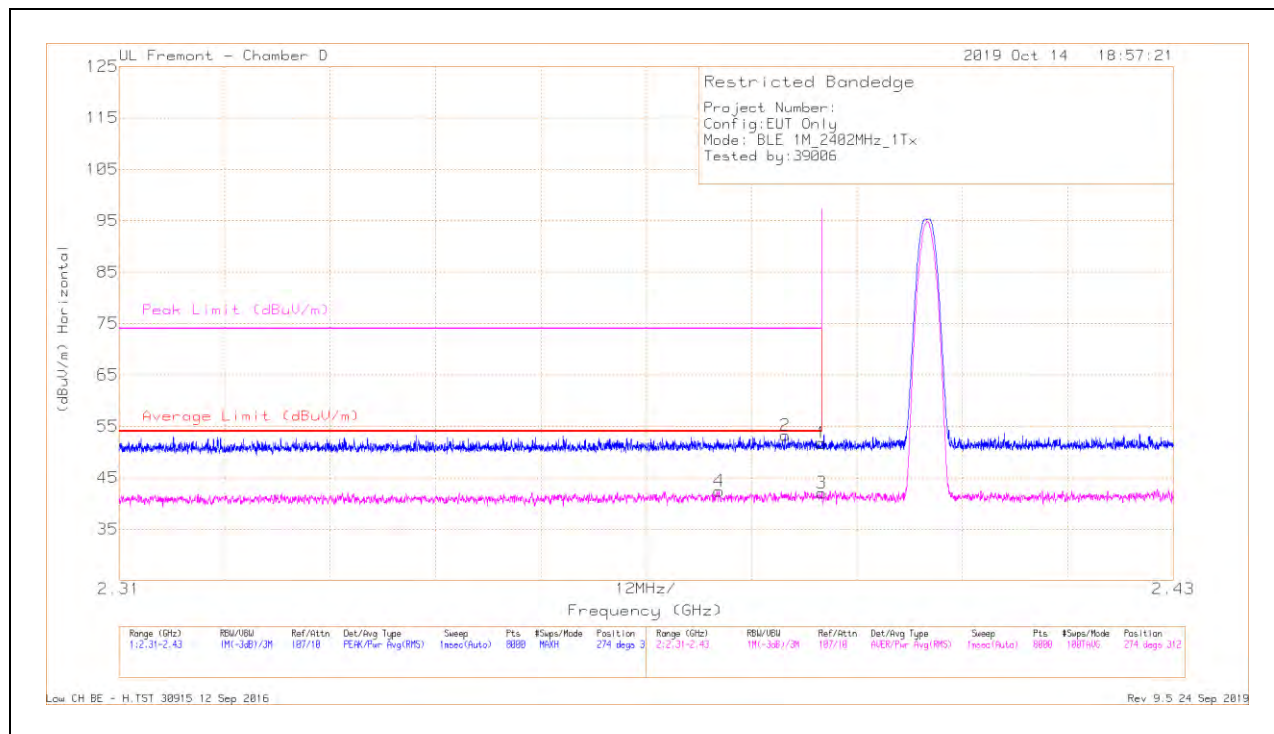
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

LAT 3

BANDEDGE (LOW CHANNEL)

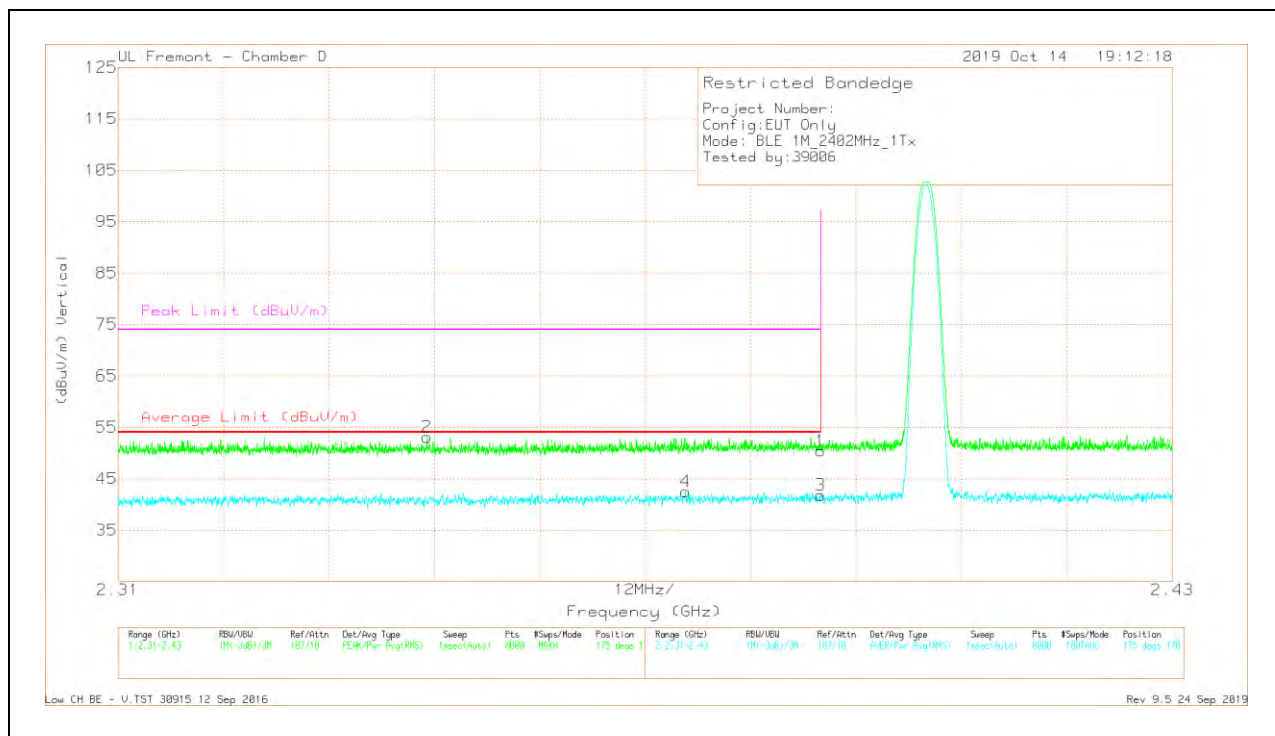
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (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	* 2.38999	40.24	PK	32	-20.5	51.74	-	-	74	-22.26	274	312	H
2	* 2.38582	41.84	PK	32	-20.6	53.24	-	-	74	-20.76	274	312	H
3	* 2.38999	30.56	RMS	32	-20.5	42.06	54	-11.94	-	-	274	312	H
4	* 2.37829	31.01	RMS	31.9	-20.5	42.41	54	-11.59	-	-	274	312	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 T712 (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	* 2.38999	38.95	Pk	32	-20.5	50.45	-	-	74	-23.55	175	170	V
2	* 2.34519	41.9	Pk	31.8	-20.6	53.1	-	-	74	-20.9	175	170	V
3	* 2.38999	30.29	RMS	32	-20.5	41.79	54	-12.21	-	-	175	170	V
4	* 2.3746	31.19	RMS	31.9	-20.6	42.49	54	-11.51	-	-	175	170	V

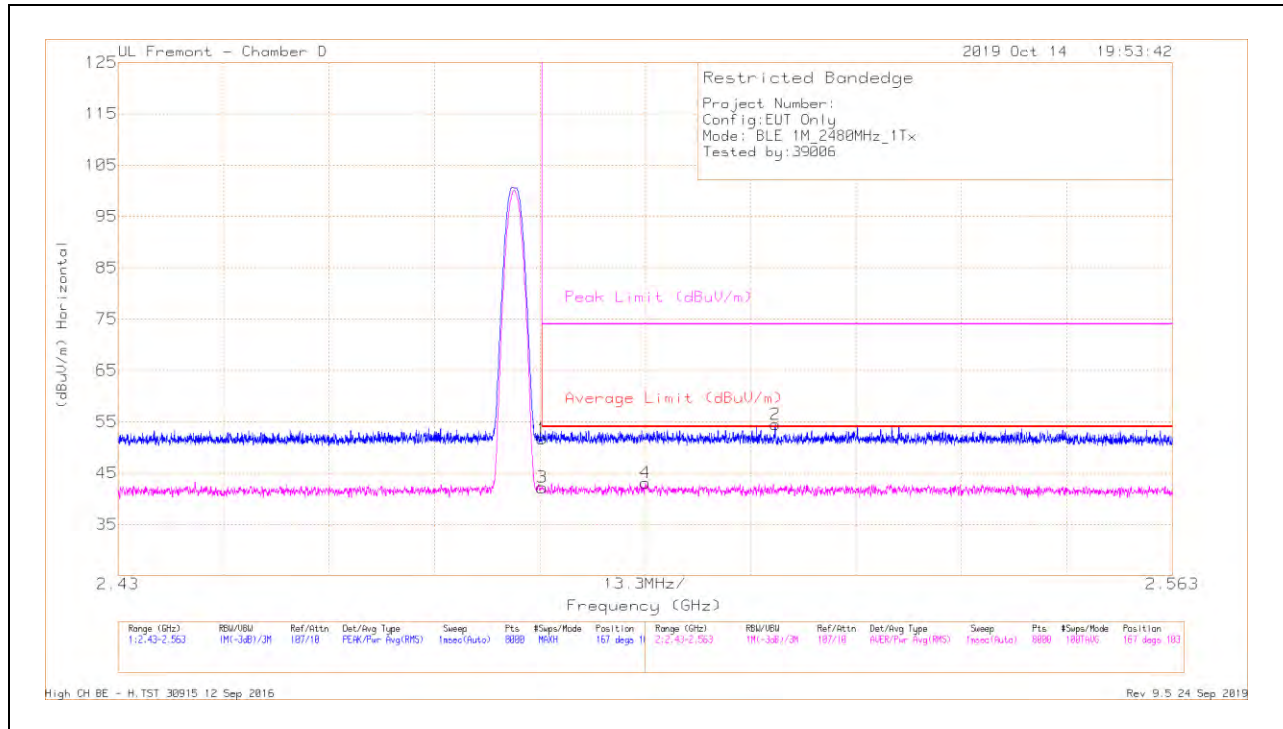
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



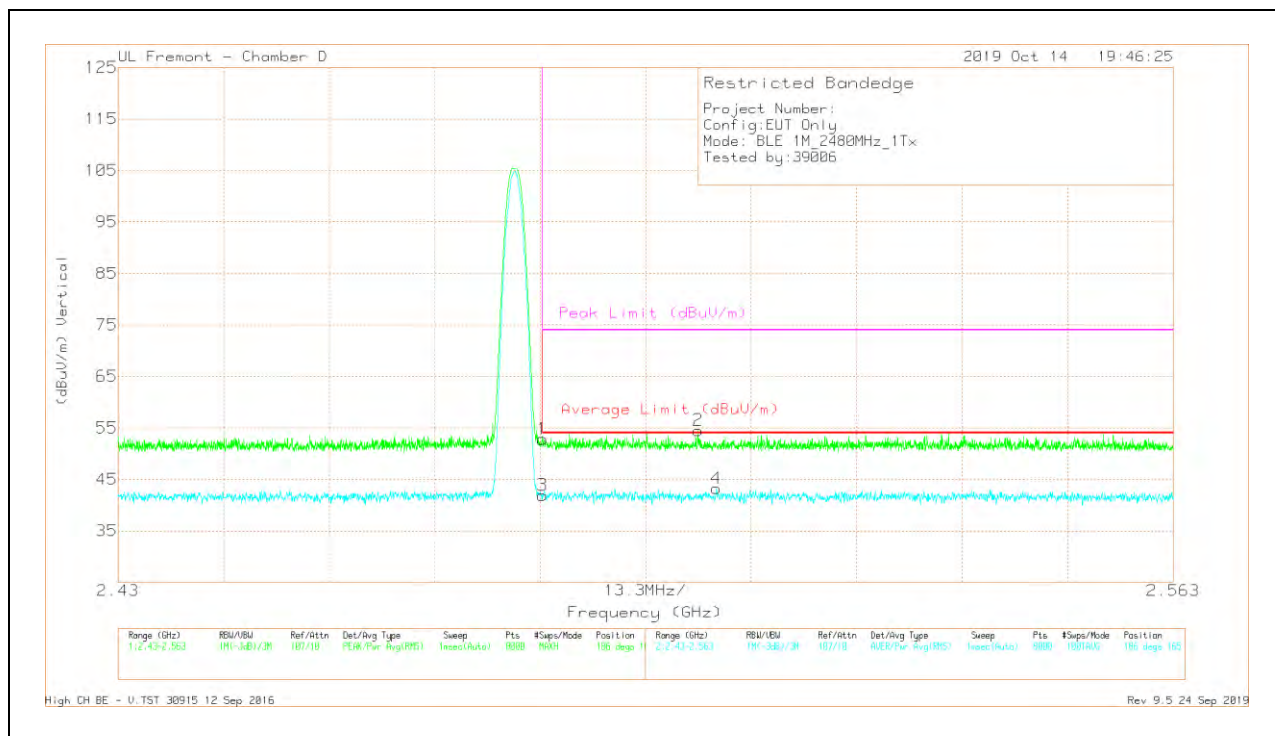
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	39.77	Pk	32.4	-20.5	51.67	-	-	74	-22.33	167	103	H
2	2.51292	42.55	Pk	32.3	-20.4	54.45	-	-	74	-19.55	167	103	H
3	* 2.48351	30.32	RMS	32.4	-20.5	42.22	54	-11.78	-	-	167	103	H
4	* 2.49656	31.18	RMS	32.3	-20.4	43.08	54	-10.92	-	-	167	103	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (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	* 2.48351	40.95	Pk	32.4	-20.5	52.85	-	-	74	-21.15	186	165	V
2	2.50309	42.73	Pk	32.3	-20.5	54.53	-	-	74	-19.47	186	165	V
3	* 2.48351	30.03	RMS	32.4	-20.5	41.93	54	-12.07	-	-	186	165	V
4	2.50542	31.45	RMS	32.3	-20.5	43.25	54	-10.75	-	-	186	165	V

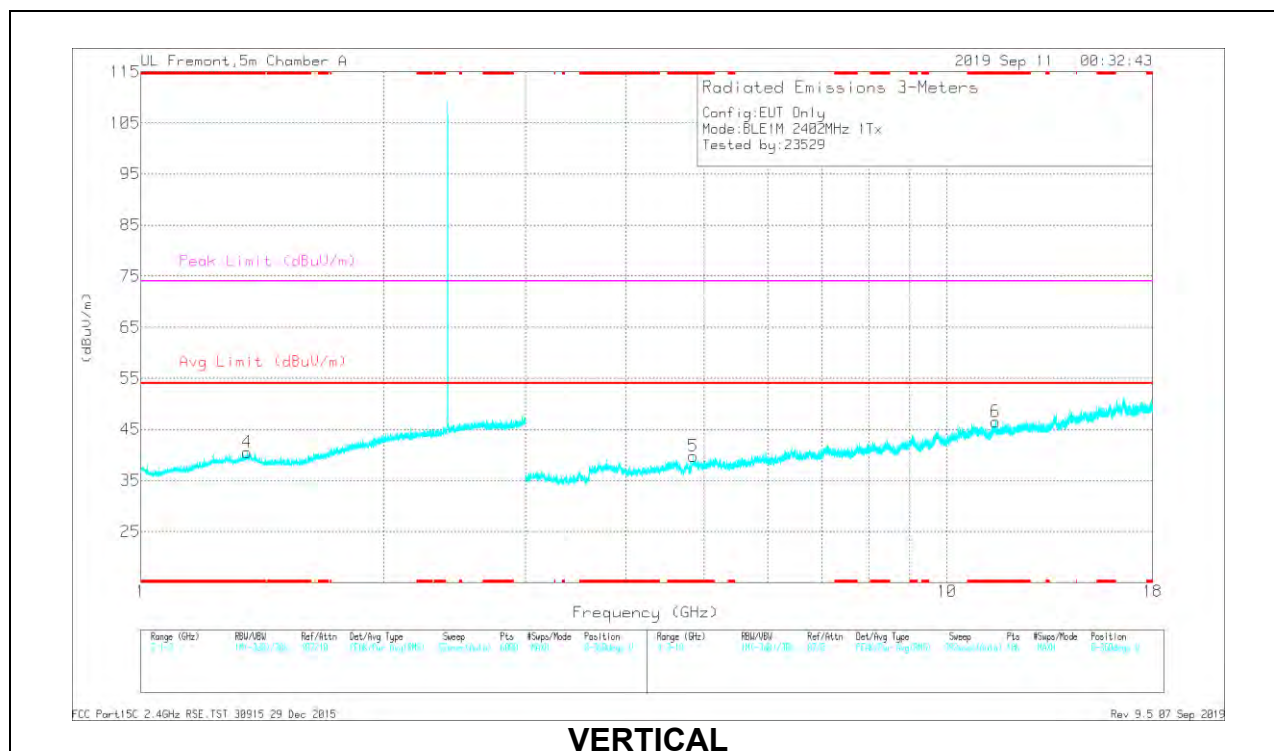
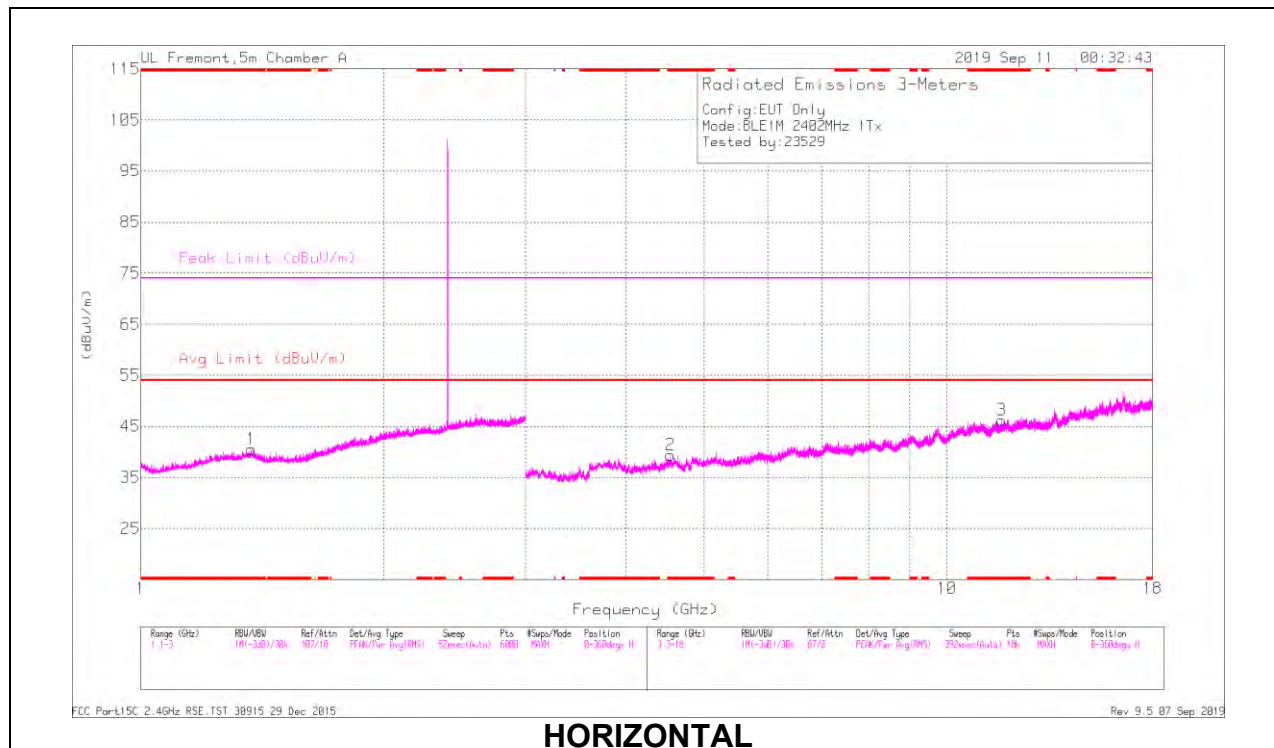
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

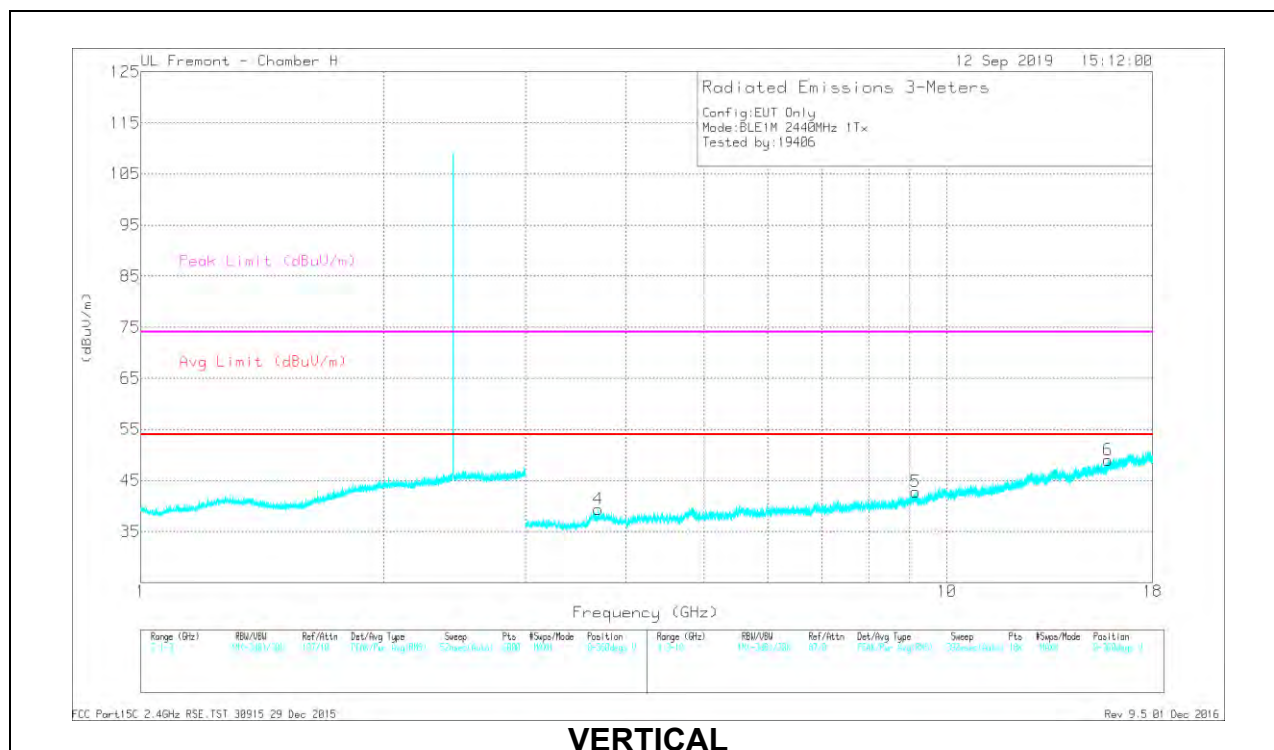
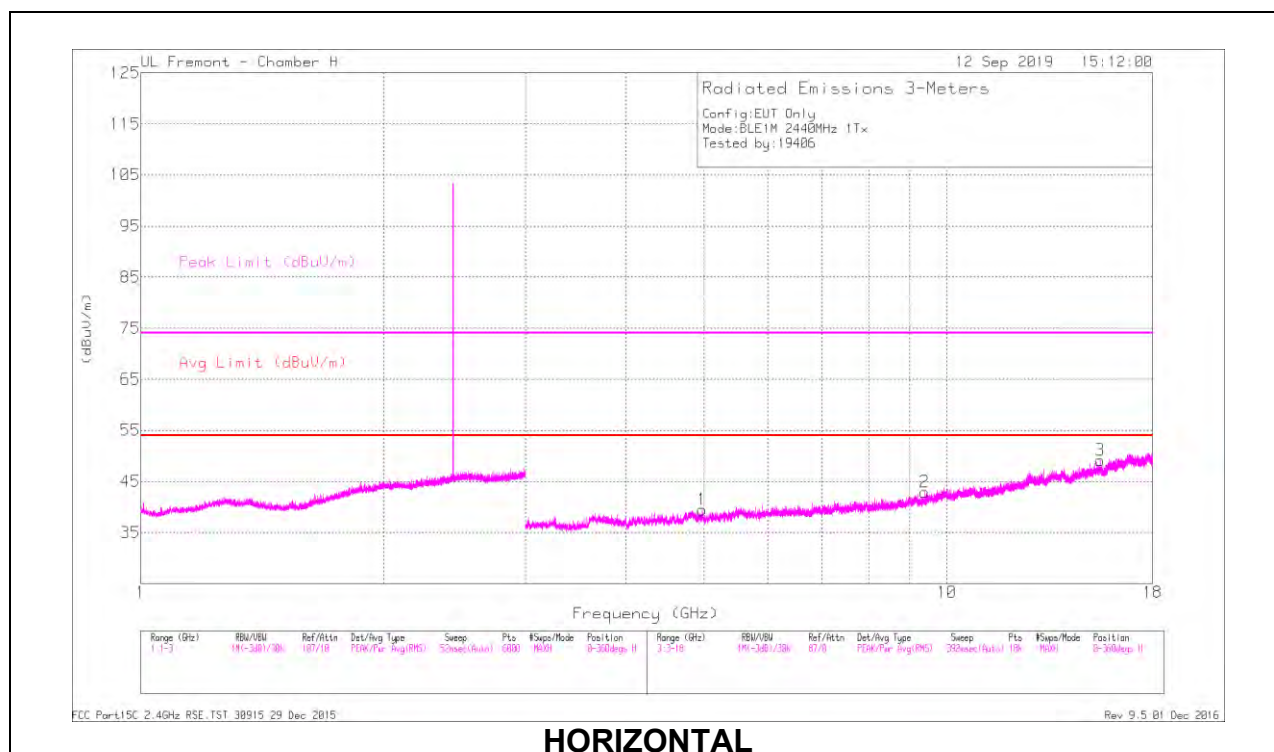
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.37083	42.66	PK2	29.5	-24.6	47.56	-	-	74	-26.44	293	154	H
	* 1.37102	30.68	MAv1	29.5	-24.6	35.58	54	-18.42	-	-	293	154	H
2	* 4.5416	39.23	PK2	34.3	-27.1	46.43	-	-	74	-27.57	155	162	H
	* 4.54263	27.83	MAv1	34.3	-27.1	35.03	54	-18.97	-	-	154	162	H
3	* 11.69655	34.14	PK2	38.3	-19.4	53.04	-	-	74	-20.96	175	210	H
	* 11.69625	22.43	MAv1	38.3	-19.4	41.33	54	-12.67	-	-	175	210	H
4	* 1.35769	42.58	PK2	29.6	-24.6	47.58	-	-	74	-26.42	302	143	V
	* 1.35495	30.38	MAv1	29.6	-24.6	35.38	54	-18.62	-	-	302	143	V
5	* 4.84536	39	PK2	34.3	-26.4	46.9	-	-	74	-27.1	218	202	V
	* 4.8449	27.36	MAv1	34.3	-26.4	35.26	54	-18.74	-	-	218	202	V
6	* 11.49631	33.61	PK2	38.1	-18.9	52.81	-	-	74	-21.19	192	186	V
	* 11.49773	22.58	MAv1	38.1	-18.9	41.78	54	-12.22	-	-	192	186	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS



RADIATED EMISSIONS

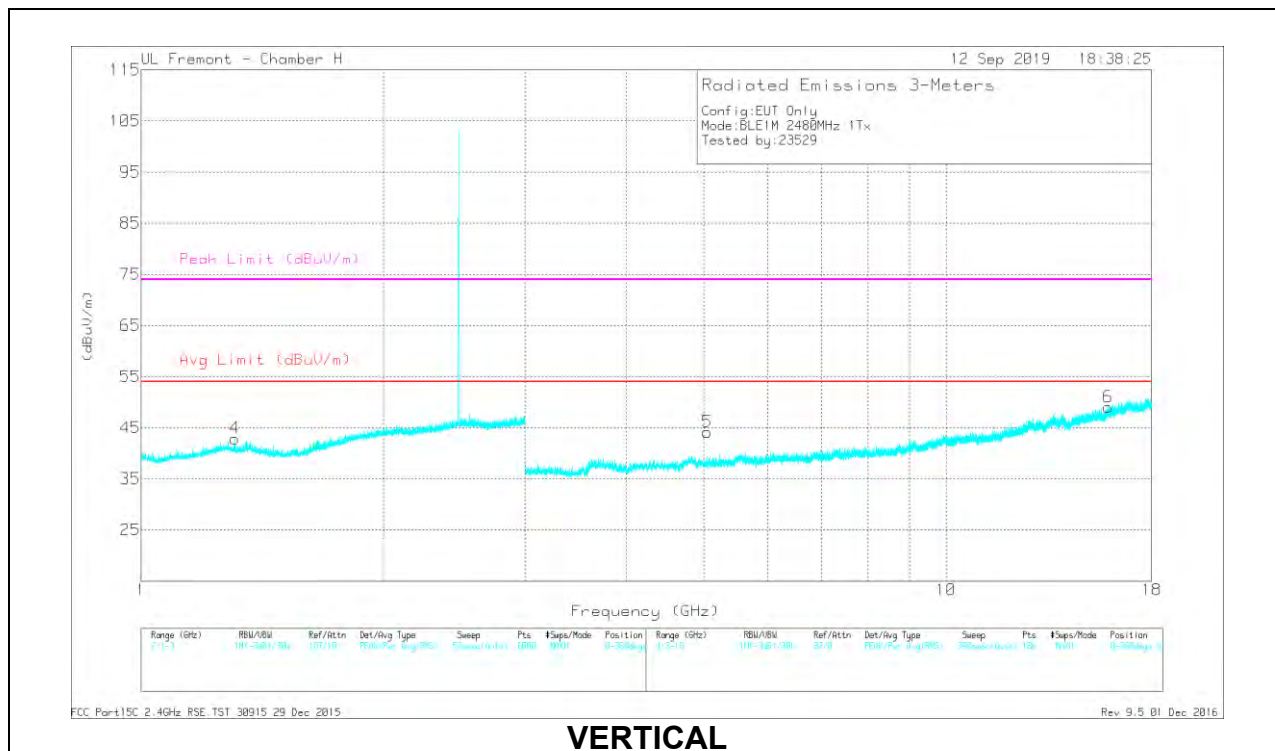
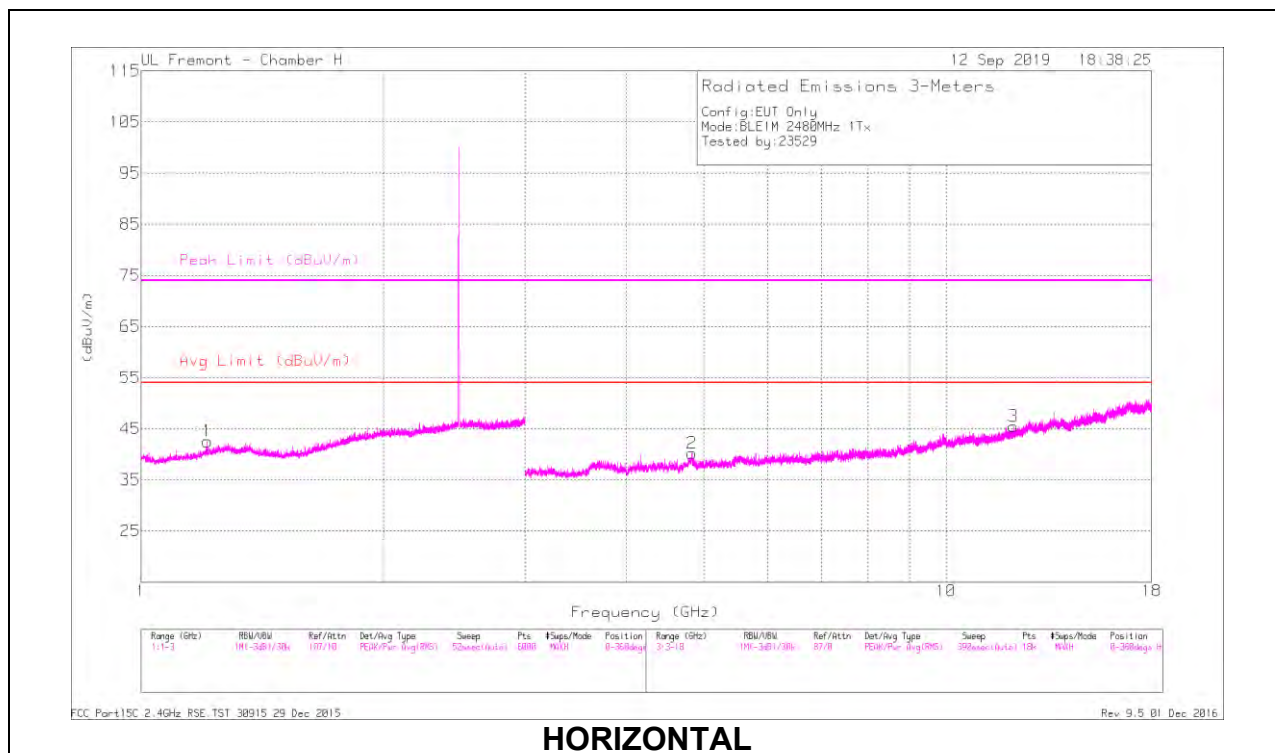
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.969	40.68	PK2	34.2	-29.5	45.38	-	-	74	-28.62	24	260	H
	* 4.971	28.93	MAv1	34.3	-29.5	33.73	54	-20.27	-	-	24	260	H
2	* 9.392	37.34	PK2	36.5	-24.5	49.34	-	-	74	-24.66	360	192	H
	* 9.393	25.03	MAv1	36.5	-24.5	37.03	54	-16.97	-	-	360	192	H
3	* 15.503	36.54	PK2	40.9	-21.7	55.74	-	-	74	-18.26	102	108	H
	* 15.502	24.4	MAv1	40.9	-21.7	43.6	54	-10.4	-	-	102	108	H
4	* 3.694	41.78	PK2	33.1	-30.3	44.58	-	-	74	-29.42	34	110	V
	* 3.697	29.9	MAv1	33.1	-30.3	32.7	54	-21.3	-	-	34	110	V
5	* 9.144	36.58	PK2	36.3	-23.8	49.08	-	-	74	-24.92	115	374	V
	* 9.142	24.89	MAv1	36.3	-23.8	37.39	54	-16.61	-	-	115	374	V
6	* 15.841	35.34	PK2	41.1	-21.1	55.34	-	-	74	-18.66	3	111	V
	* 15.839	23.86	MAv1	41.1	-21.2	43.76	54	-10.24	-	-	3	111	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (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	* 1.21	45.05	PK2	28.6	-25.6	48.05	-	-	74	-25.95	243	136	H
	* 1.208	33.7	MAv1	28.5	-25.6	36.6	54	-17.4	-	-	243	136	H
2	* 4.835	42.24	PK2	34.3	-30.3	46.24	-	-	74	-27.76	148	192	H
	* 4.834	30.64	MAv1	34.3	-30.4	34.54	54	-19.46	-	-	148	192	H
3	* 12.124	35.82	PK2	38.9	-23	51.72	-	-	74	-22.28	191	254	H
	* 12.125	24.81	MAv1	38.8	-23	40.61	54	-13.39	-	-	191	254	H
4	* 1.309	45.62	PK2	28.8	-25.4	49.02	-	-	74	-24.98	282	204	V
	* 1.308	33.57	MAv1	28.8	-25.4	36.97	54	-17.03	-	-	282	204	V
5	* 5.05	41.29	PK2	34.3	-29.6	45.99	-	-	74	-28.01	320	287	V
	* 5.048	29.56	MAv1	34.3	-29.5	34.36	54	-19.64	-	-	320	287	V
6	* 15.904	35.52	PK2	41.3	-20.5	56.32	-	-	74	-17.68	315	155	V
	* 15.905	24.43	MAv1	41.3	-20.5	45.23	54	-8.77	-	-	315	155	V

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

PK2 - KDB558074 Method: Maximum Peak

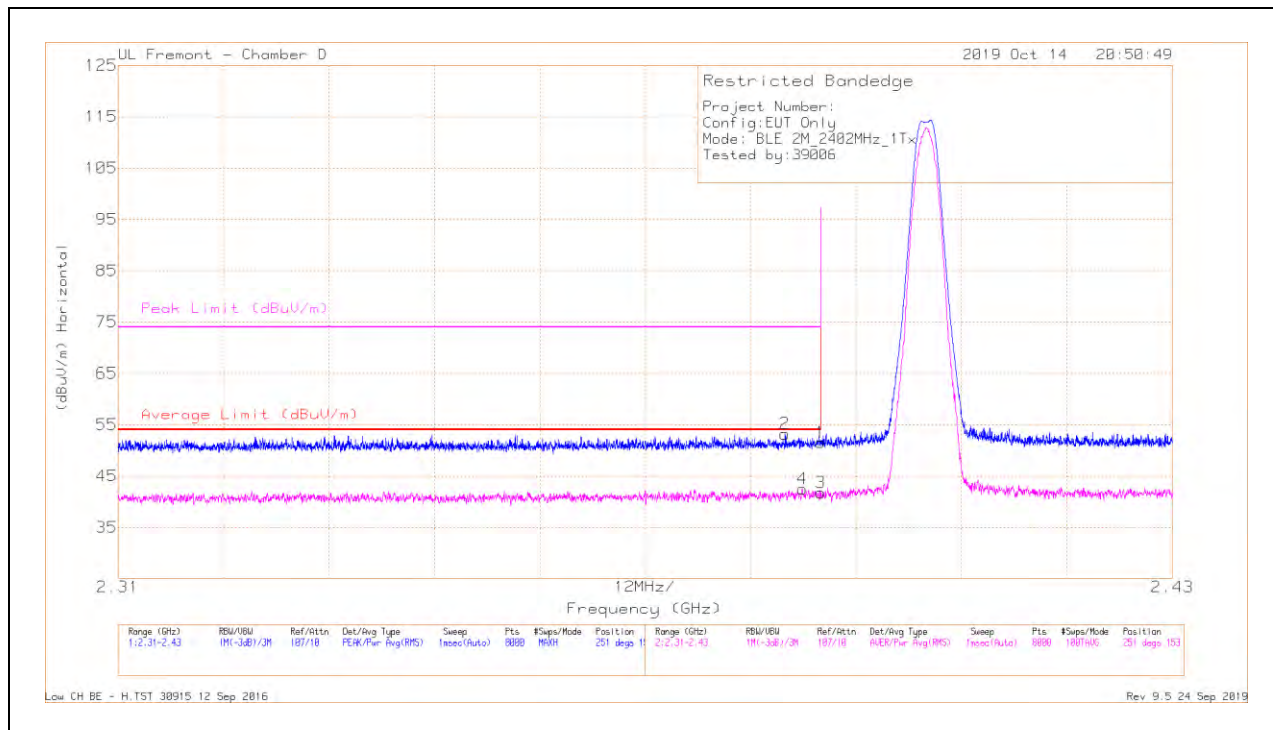
MAv1 - KDB558074 Option 1 Maximum RMS Average

9.2.2. HIGH POWER BLE (2Mbps)

UAT 1

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



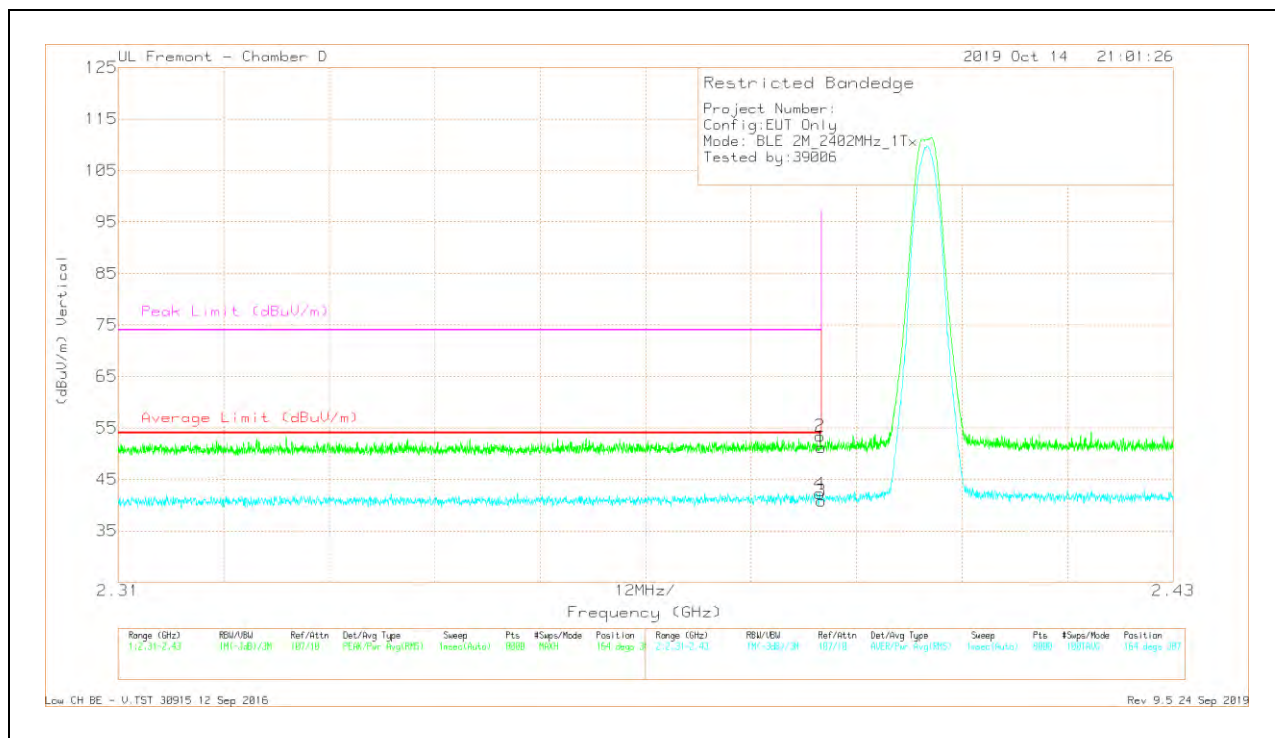
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	40.02	Pk	32	-20.5	51.52	-	-	74	-22.48	251	153	H
2	* 2.38593	41.81	Pk	32	-20.6	53.21	-	-	74	-20.79	251	153	H
3	* 2.38999	30.25	RMS	32	-20.5	41.75	54	-12.25	-	-	251	153	H
4	* 2.38788	31.09	RMS	32	-20.6	42.49	54	-11.51	-	-	251	153	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 T712 (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	* 2.38999	39.73	Pk	32	-20.5	51.23	-	-	74	-22.77	164	387	V
2	* 2.38986	41.93	Pk	32	-20.5	53.43	-	-	74	-20.57	164	387	V
3	* 2.38999	29.34	RMS	32	-20.5	40.84	54	-13.16	-	-	164	387	V
4	* 2.3898	30.75	RMS	32	-20.5	42.25	54	-11.75	-	-	164	387	V

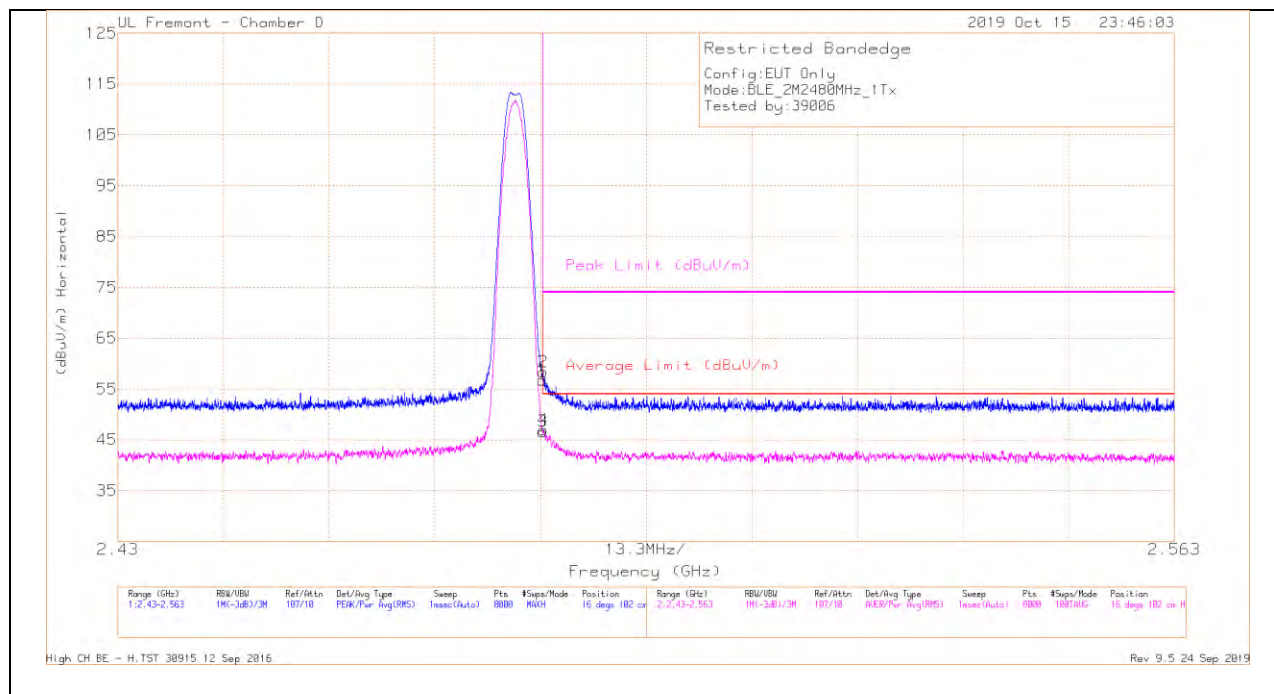
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



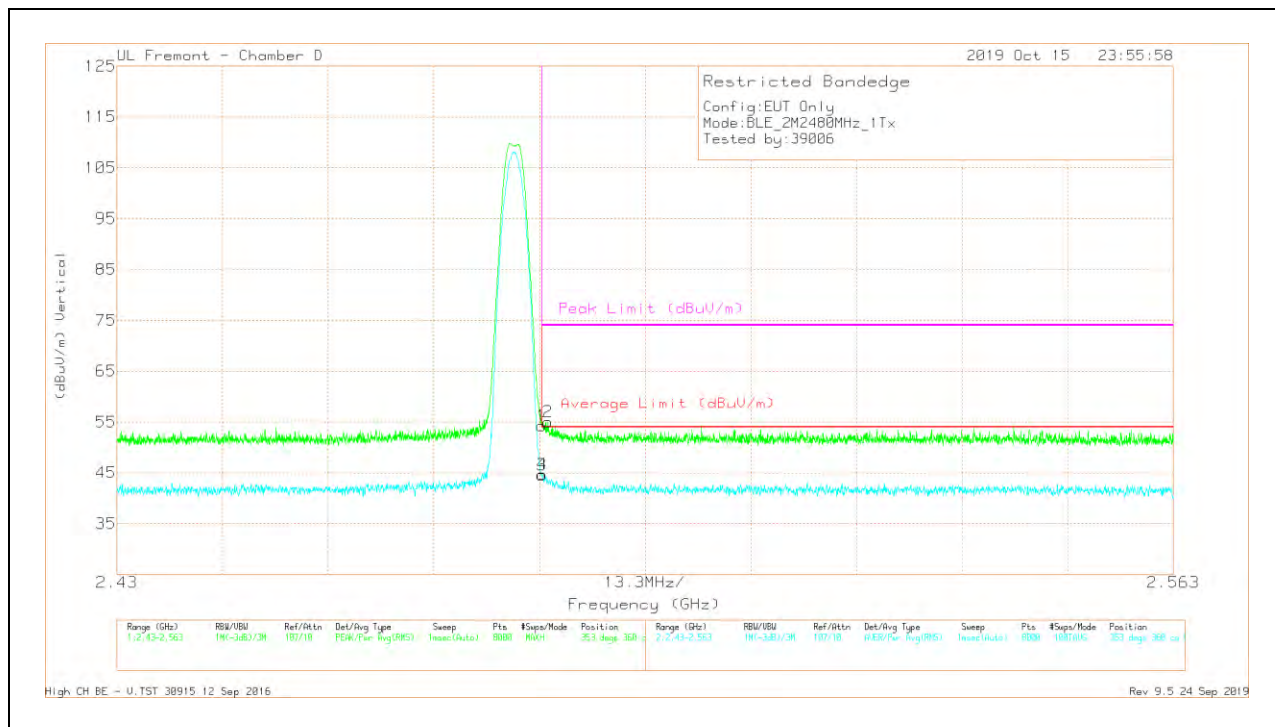
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filt/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	44.9	Pk	32.4	-20.5	56.8	-	-	74	-17.2	16	102	H
2	* 2.48357	46.46	Pk	32.4	-20.5	58.36	-	-	74	-15.64	16	102	H
3	* 2.48351	34.73	RMS	32.4	-20.5	46.63	54	-7.37	-	-	16	102	H
4	* 2.48359	35.03	RMS	32.4	-20.5	46.93	54	-7.07	-	-	16	102	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (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	* 2.48351	42.31	Pk	32.4	-20.5	54.21	-	-	74	-19.79	353	360	V
2	* 2.48425	43.24	Pk	32.3	-20.5	55.04	-	-	74	-18.96	353	360	V
3	* 2.48351	32.66	RMS	32.4	-20.5	44.56	54	-9.44	-	-	353	360	V
4	* 2.48359	32.83	RMS	32.4	-20.5	44.73	54	-9.27	-	-	353	360	V

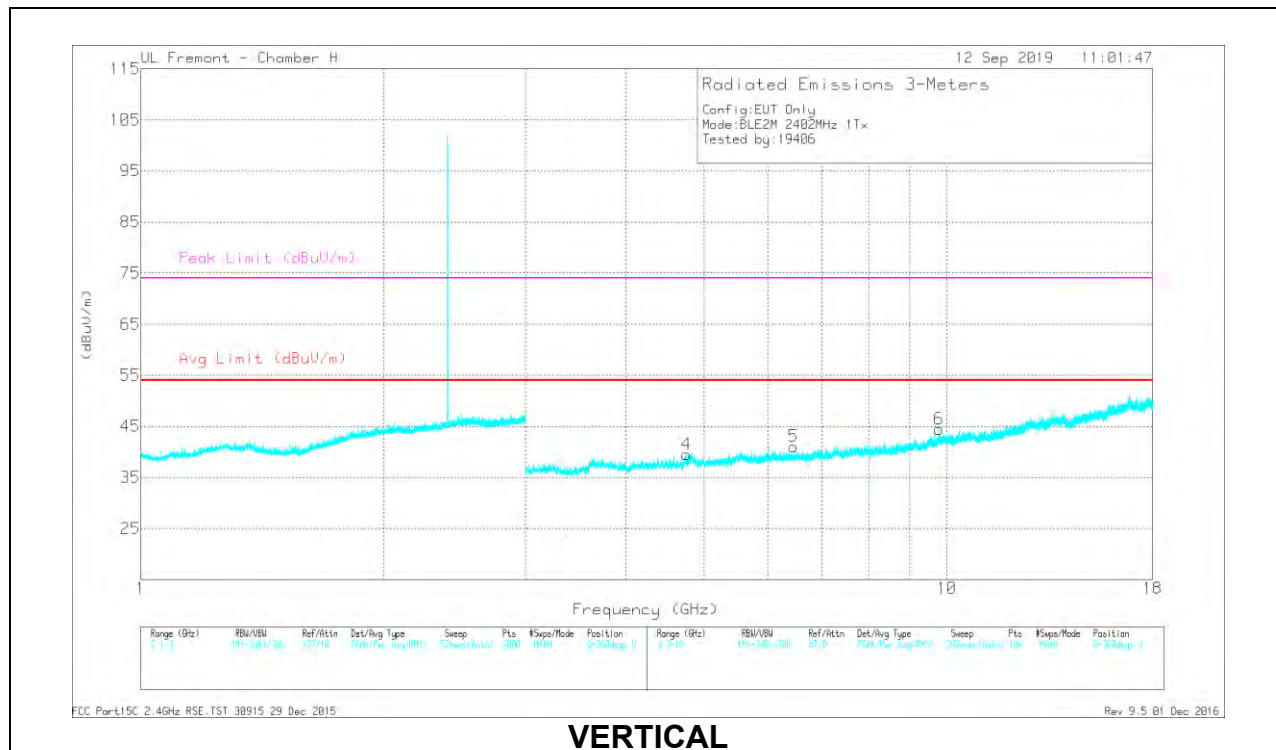
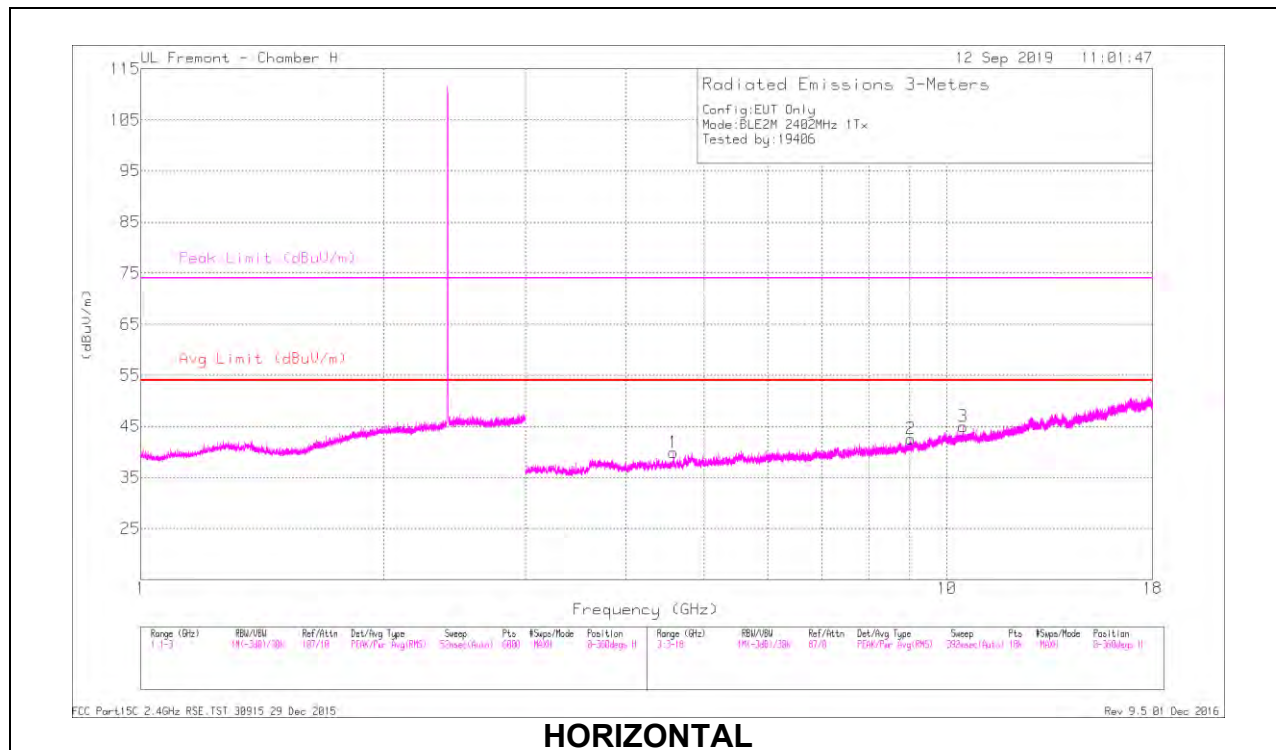
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

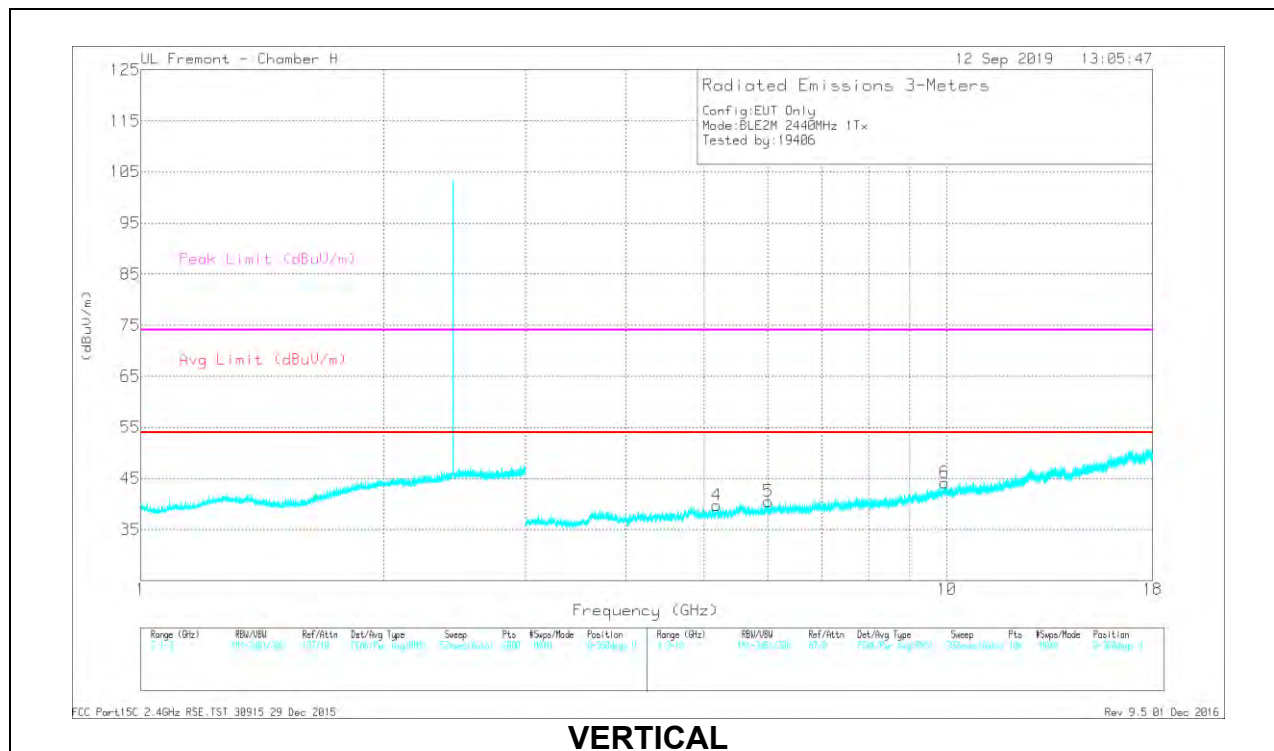
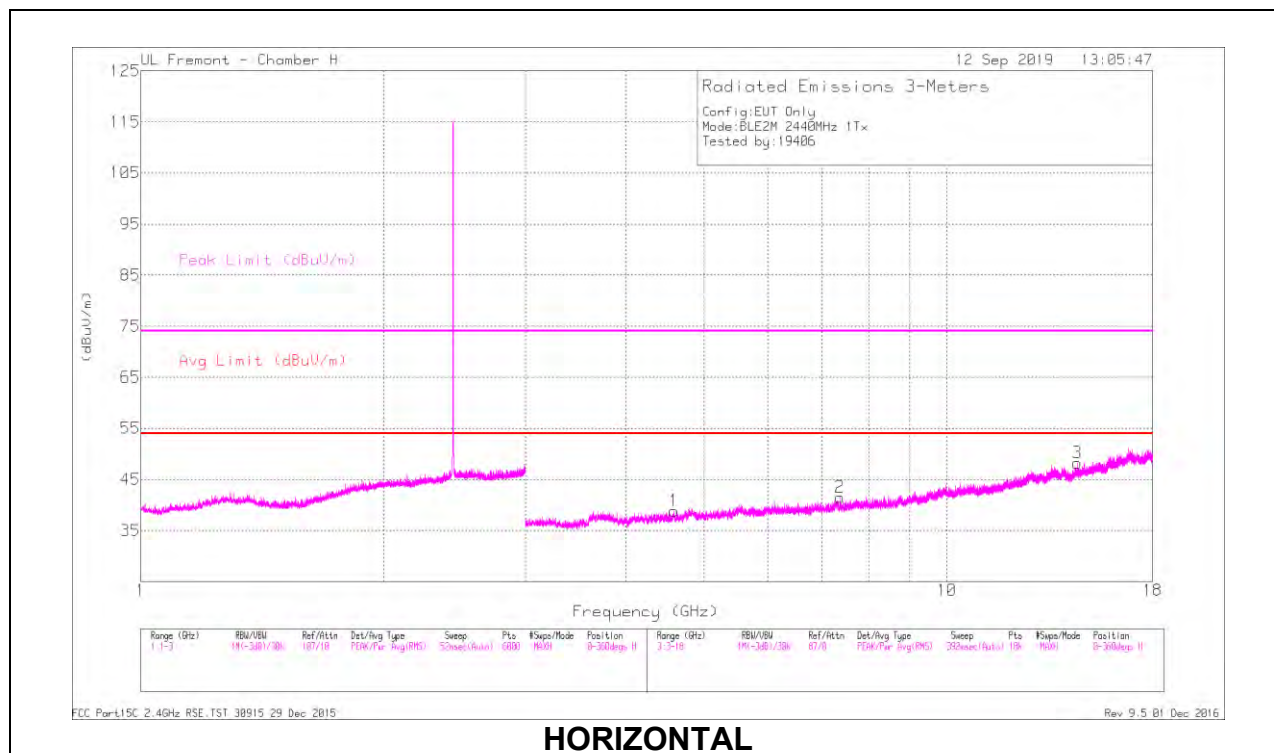
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.578	41.42	PK2	34.1	-30.2	45.32	-	-	74	-28.68	349	129	H
	* 4.576	30	MAv1	34.2	-30.2	34	54	-20	-	-	349	129	H
2	* 9.023	37.42	PK2	36.2	-24.7	48.92	-	-	74	-25.08	206	250	H
	* 9.023	25.42	MAv1	36.2	-24.6	37.02	54	-16.98	-	-	206	250	H
3	10.48	24.68	MAv1	37.4	-23.5	38.58	-	-	-	-	155	273	H
4	* 4.754	41.67	PK2	34.2	-30	45.87	-	-	74	-28.13	325	174	V
	* 4.754	30.09	MAv1	34.2	-30	34.29	54	-19.71	-	-	325	174	V
5	6.452	39.02	PK2	35.7	-28.4	46.32	-	-	-	-	215	313	V
6	9.784	37.34	PK2	37	-23.9	50.44	-	-	-	-	102	251	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS



RADIATED EMISSIONS

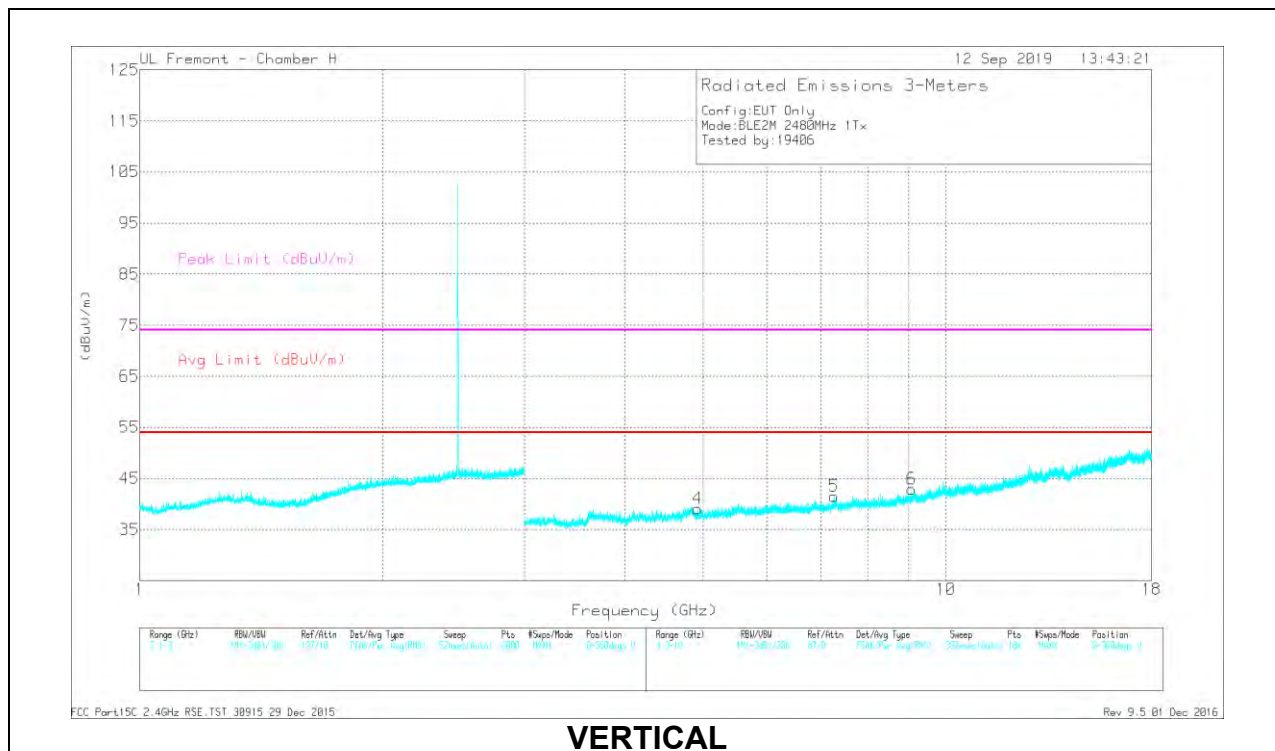
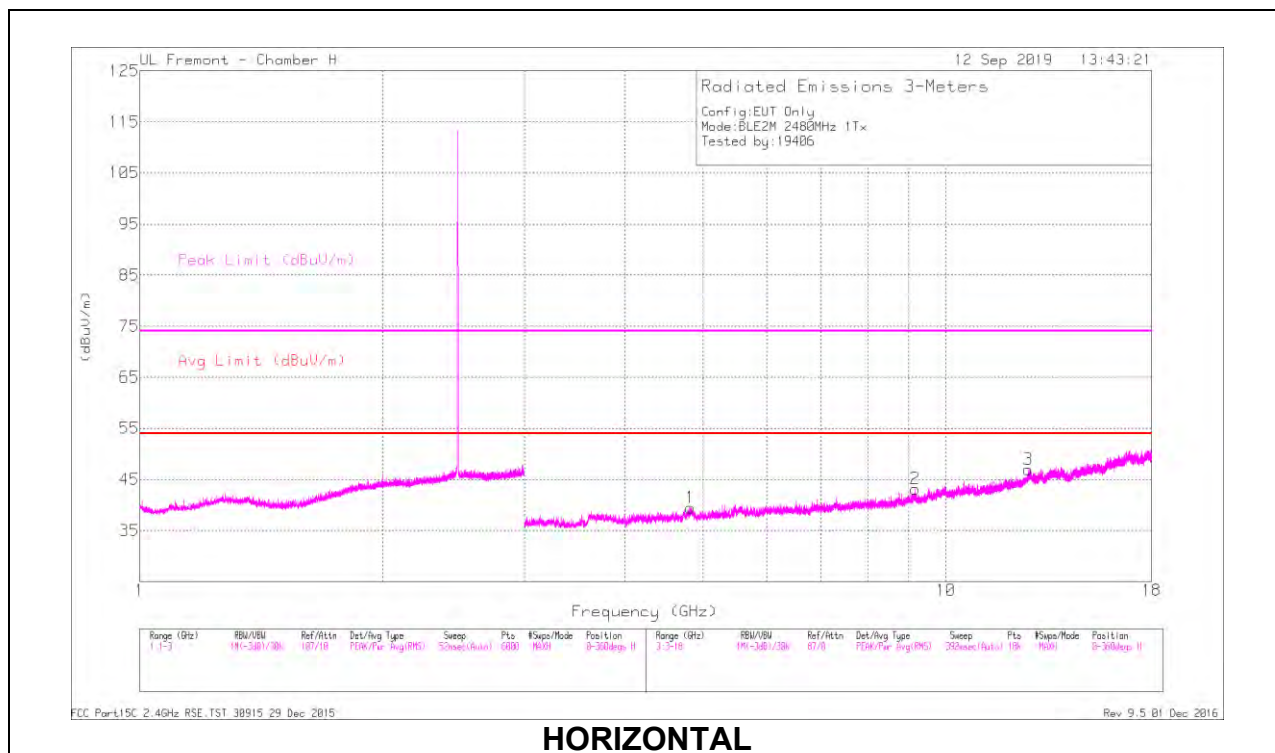
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.584	41.89	PK2	34.2	-30.2	45.89	-	-	74	-28.11	133	311	H
	* 4.584	30.02	MAv1	34.2	-30.2	34.02	54	-19.98	-	-	133	311	H
2	* 7.37	38.57	PK2	36.1	-26.8	47.87	-	-	74	-26.13	255	105	H
	* 7.37	26.46	MAv1	36.1	-26.8	35.76	54	-18.24	-	-	255	105	H
3	14.525	35.79	PK2	39.8	-21.8	53.79	-	-	-	-	64	146	H
4	5.18	41.67	PK2	34.5	-30	46.17	-	-	-	-	87	192	V
5	6.008	40.31	PK2	35.3	-29.2	46.41	-	-	-	-	193	309	V
6	9.934	36.53	PK2	36.9	-22.4	51.03	-	-	-	-	278	101	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (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	* 4.822	42.07	PK2	34.4	-30.4	46.07	-	-	74	-27.93	305	231	H
	* 4.822	29.98	MAv1	34.4	-30.4	33.98	54	-20.02	-	-	305	231	H
2	* 9.161	36.56	PK2	36.3	-23.9	48.96	-	-	74	-25.04	246	378	H
	* 9.159	24.97	MAv1	36.3	-23.8	37.47	54	-16.53	-	-	246	378	H
3	* 12.647	35.57	PK2	39.6	-22.2	52.97	-	-	74	-21.03	213	125	H
	* 12.648	24.11	MAv1	39.6	-22.2	41.51	54	-12.49	-	-	213	125	H
4	* 4.926	41.44	PK2	34.2	-29.9	45.74	-	-	74	-28.26	206	293	V
	* 4.925	29.24	MAv1	34.2	-29.9	33.54	54	-20.46	-	-	206	293	V
5	* 7.268	39.37	PK2	36	-27.1	48.27	-	-	74	-25.73	172	369	V
	* 7.268	27.27	MAv1	36	-27.1	36.17	54	-17.83	-	-	172	369	V
6	* 9.064	36.86	PK2	36.2	-24.5	48.56	-	-	74	-25.44	356	114	V
	* 9.064	25.12	MAv1	36.2	-24.5	36.82	54	-17.18	-	-	356	114	V

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

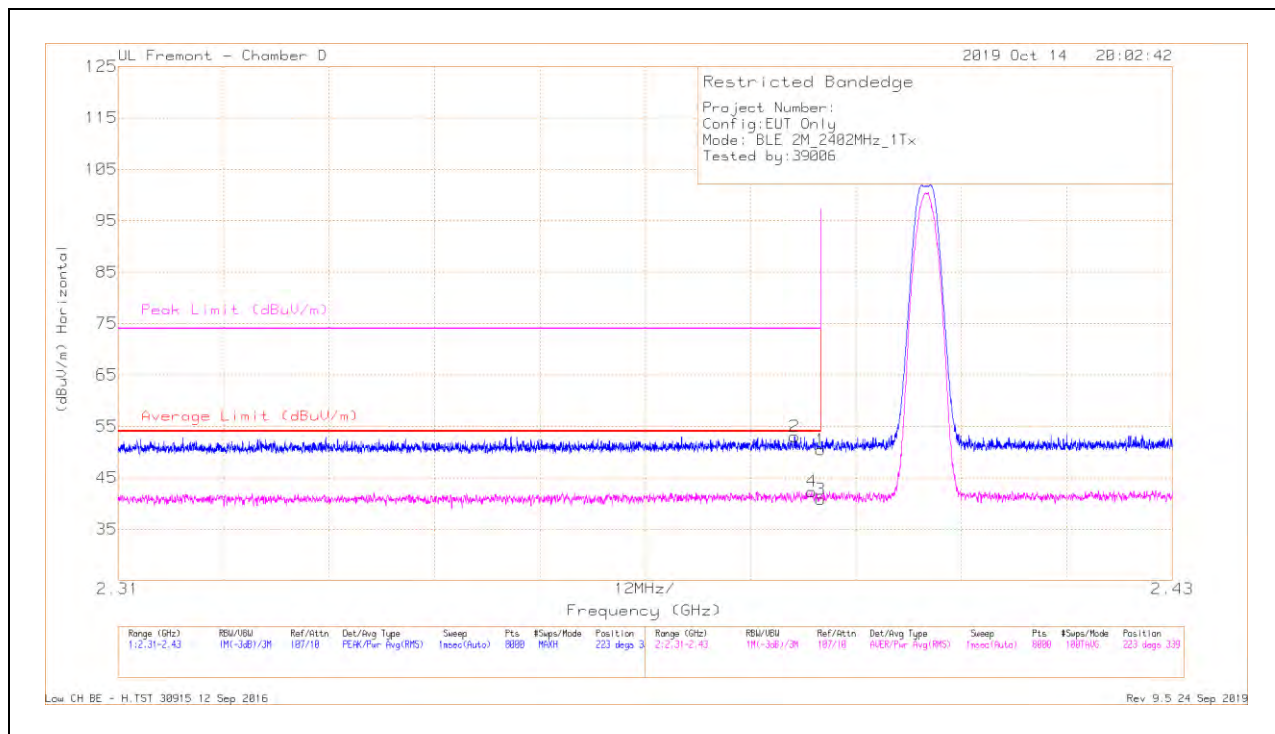
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

LAT 3

BANDEDGE (LOW CHANNEL)

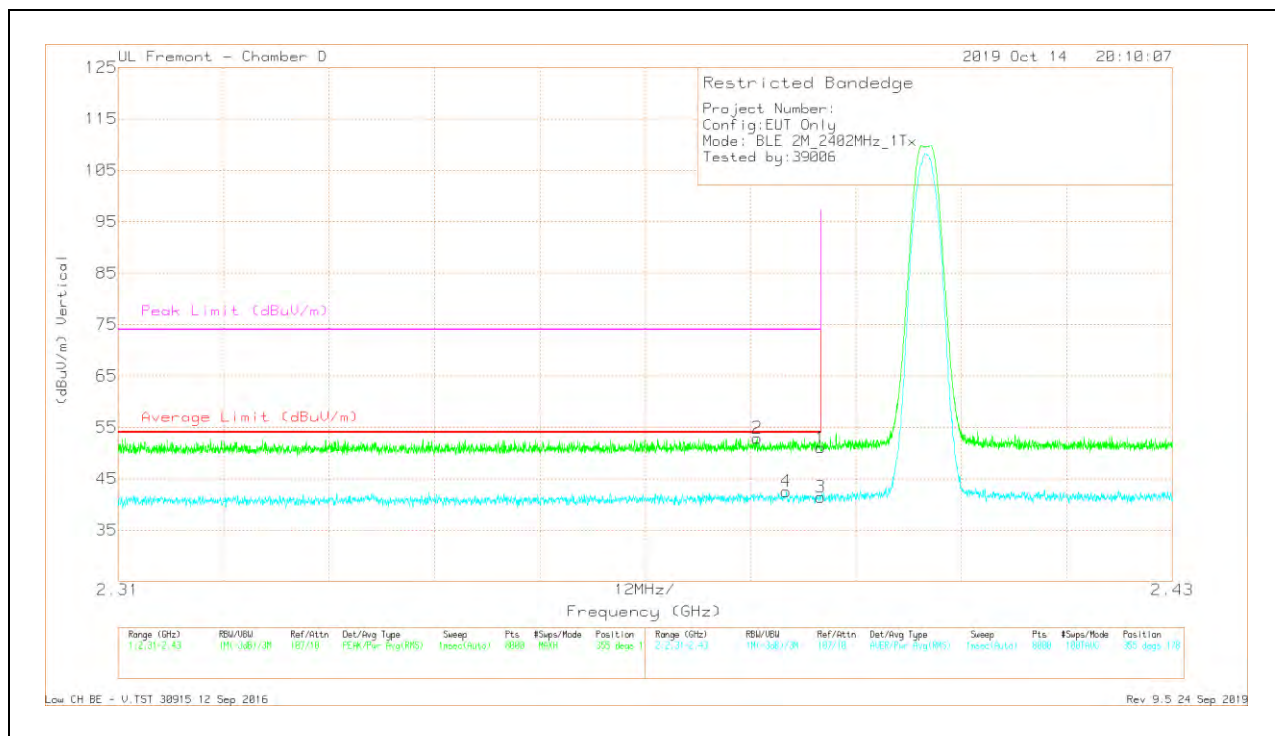
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (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	* 2.38999	38.96	Pk	32	-20.5	50.46	-	-	74	-23.54	223	339	H
2	* 2.38701	41.62	Pk	32	-20.6	53.02	-	-	74	-20.98	223	339	H
3	* 2.38999	29.31	RMS	32	-20.5	40.81	54	-13.19	-	-	223	339	H
4	* 2.38897	30.82	RMS	32	-20.5	42.32	54	-11.68	-	-	223	339	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 T712 (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	* 2.38999	39.55	Pk	32	-20.5	51.05	-	-	74	-22.95	355	178	V
2	* 2.38276	41.52	Pk	32	-20.6	52.92	-	-	74	-21.08	355	178	V
3	* 2.38999	29.94	RMS	32	-20.5	41.44	54	-12.56	-	-	355	178	V
4	* 2.38606	31.15	RMS	32	-20.6	42.55	54	-11.45	-	-	355	178	V

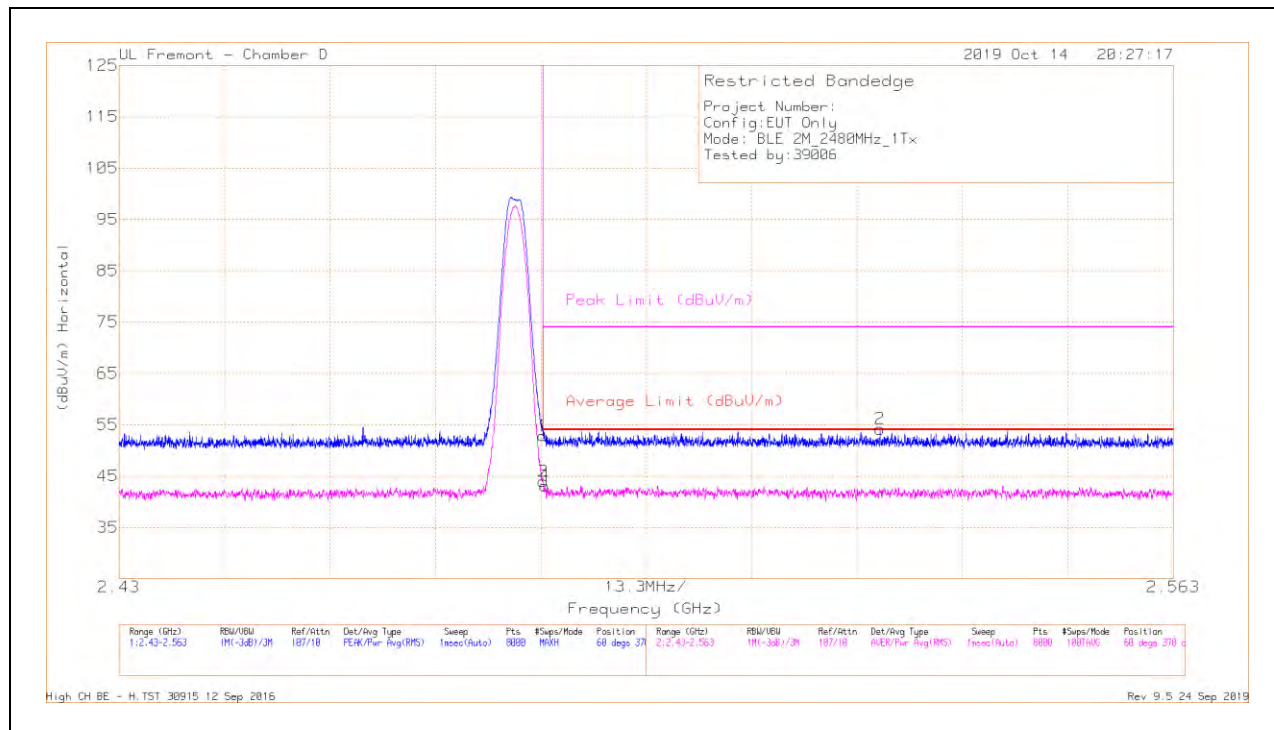
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



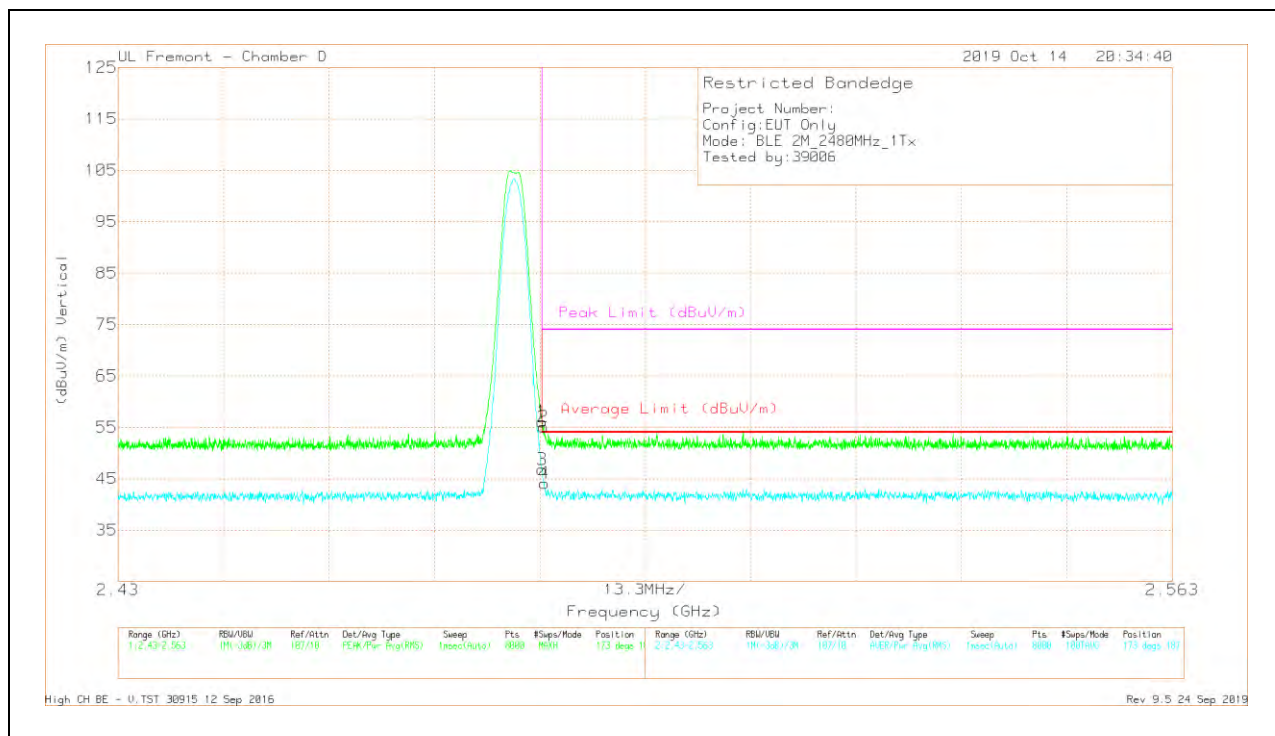
Marker	Frequency (GHz)	Meter Reading (dBUV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBUV/m)	Average Limit (dBUV/m)	Margin (dB)	Peak Limit (dBUV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	40.98	Pk	32.4	-20.5	52.88	-	-	74	-21.12	60	370	H
2	2.526	42.19	Pk	32.3	-20.3	54.19	-	-	74	-19.81	60	370	H
3	* 2.48351	32.08	RMS	32.4	-20.5	43.98	54	-10.02	-	-	60	370	H
4	* 2.48372	31.26	RMS	32.4	-20.5	43.16	54	-10.84	-	-	60	370	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 T712 (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	* 2.48351	44.21	Pk	32.4	-20.5	56.11	-	-	74	-17.89	173	187	V
2	* 2.48367	43.19	Pk	32.4	-20.5	55.09	-	-	74	-18.91	173	187	V
3	* 2.48351	34.91	RMS	32.4	-20.5	46.81	54	-7.19	-	-	173	187	V
4	* 2.48381	32.21	RMS	32.4	-20.5	44.11	54	-9.89	-	-	173	187	V

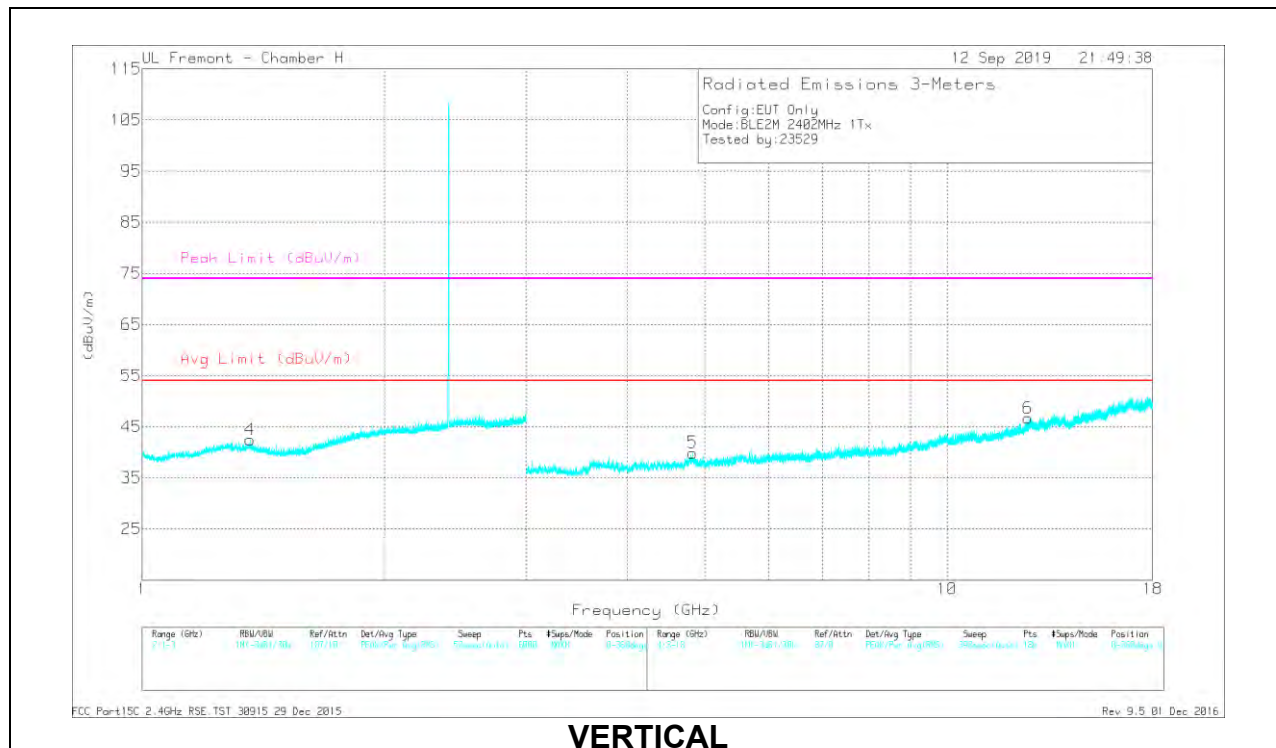
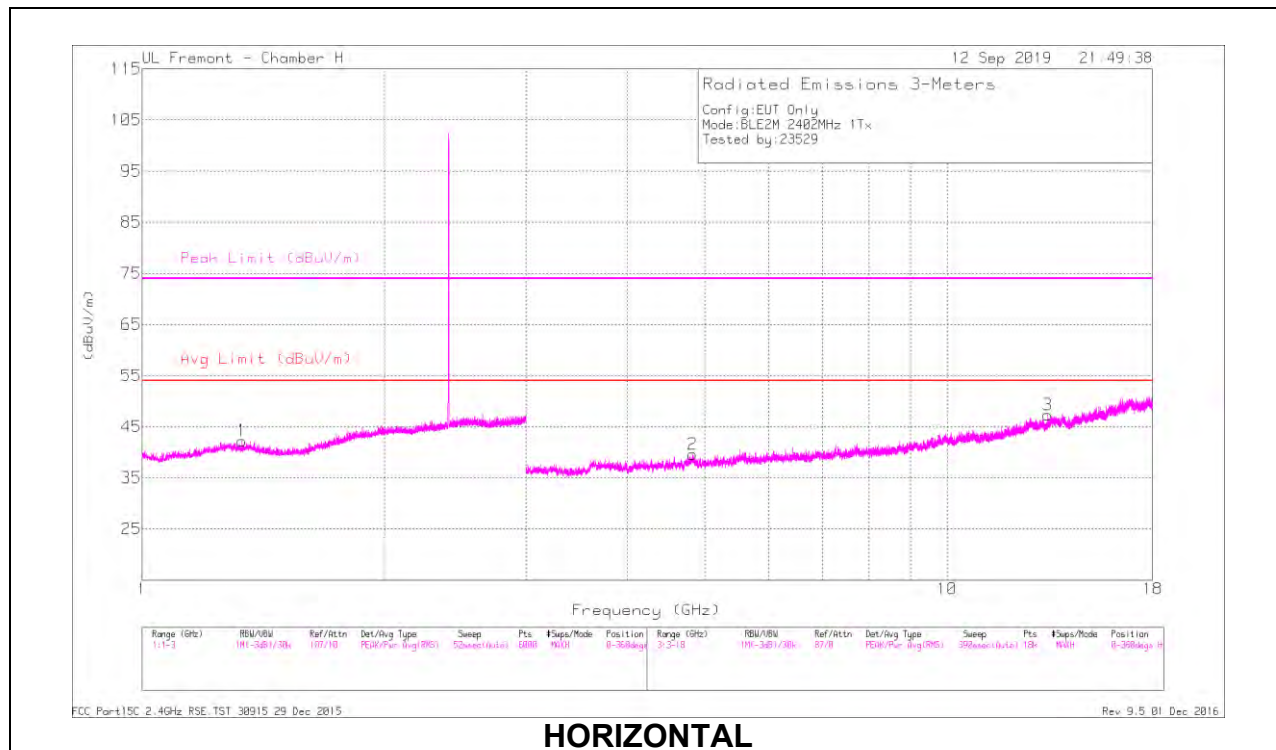
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

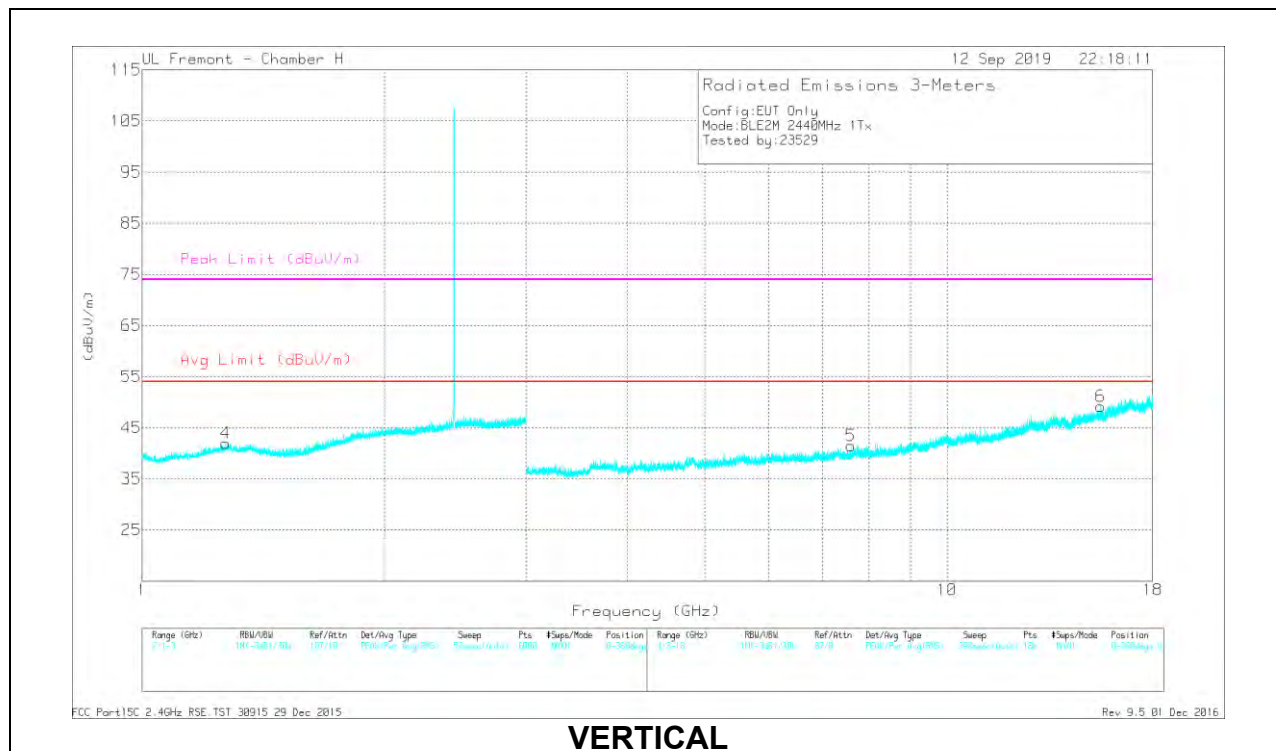
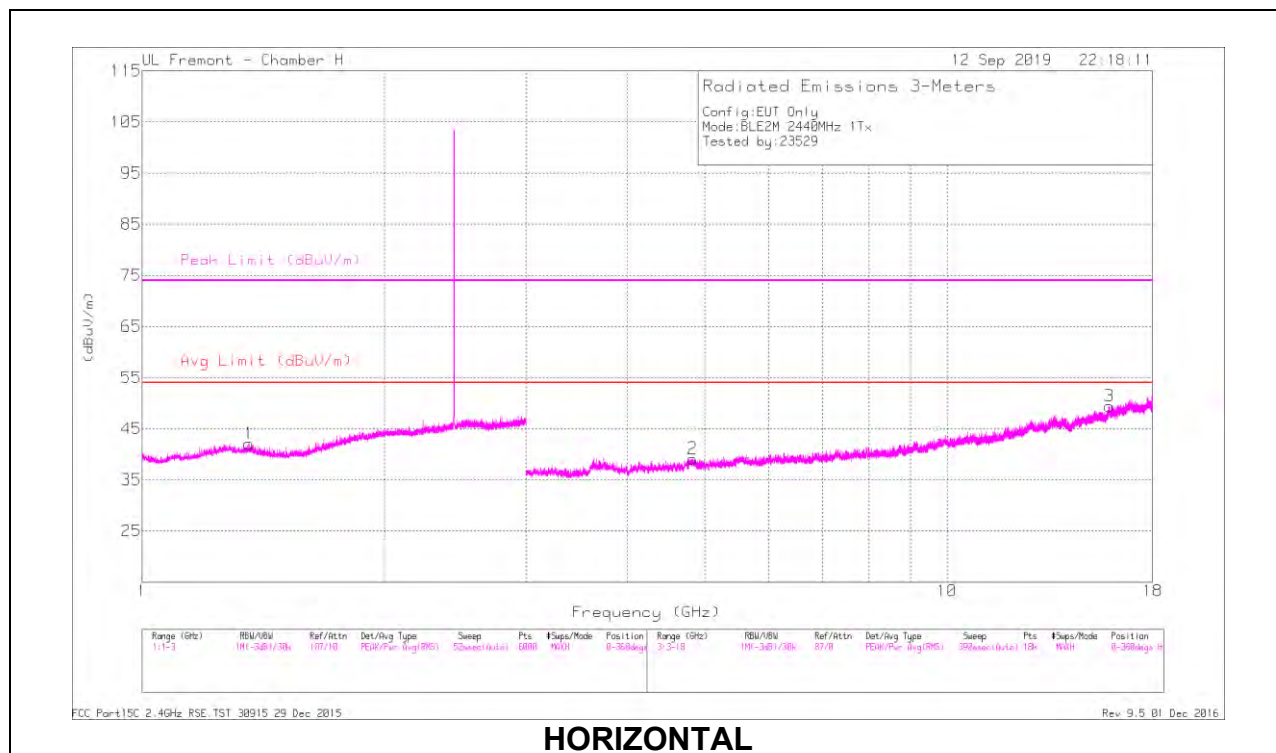
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.332	44.83	PK2	28.8	-25.3	48.33	-	-	74	-25.67	82	197	H
	* 1.33	33.47	MAv1	28.8	-25.3	36.97	54	-17.03	-	-	82	197	H
2	* 4.831	42.08	PK2	34.3	-30.4	45.98	-	-	74	-28.02	269	188	H
	* 4.83	30.99	MAv1	34.4	-30.4	34.99	54	-19.01	-	-	269	188	H
3	* 13.335	36.03	PK2	39.6	-22.8	52.83	-	-	74	-21.17	262	237	H
	* 13.335	25.08	MAv1	39.6	-22.8	41.88	54	-12.12	-	-	262	237	H
4	* 1.362	45.13	PK2	29.1	-25.2	49.03	-	-	74	-24.97	313	246	V
	* 1.36	33.53	MAv1	29.1	-25.2	37.43	54	-16.57	-	-	313	246	V
5	* 4.829	41.89	PK2	34.4	-30.3	45.99	-	-	74	-28.01	115	183	V
	* 4.827	30.85	MAv1	34.4	-30.3	34.95	54	-19.05	-	-	115	183	V
6	* 12.6	36.53	PK2	39.6	-22.8	53.33	-	-	74	-20.67	174	156	V
	* 12.599	24.86	MAv1	39.6	-22.7	41.76	54	-12.24	-	-	174	156	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS



RADIATED EMISSIONS

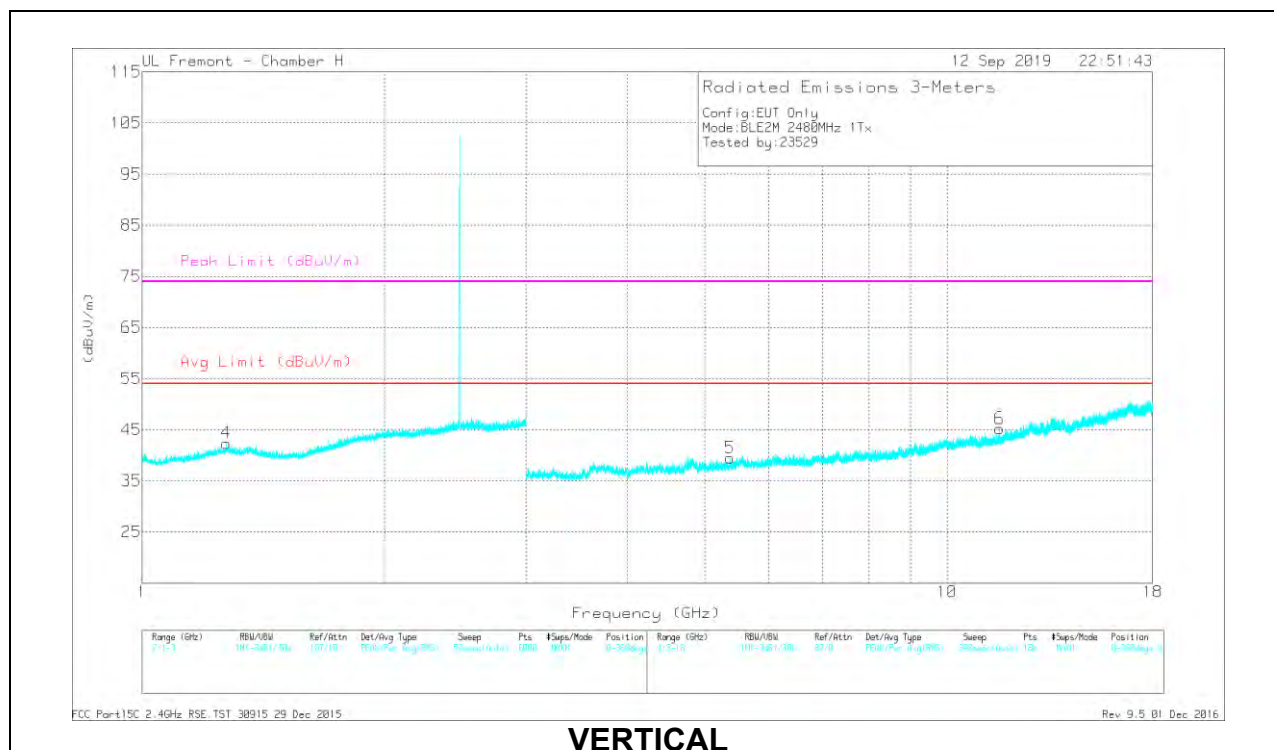
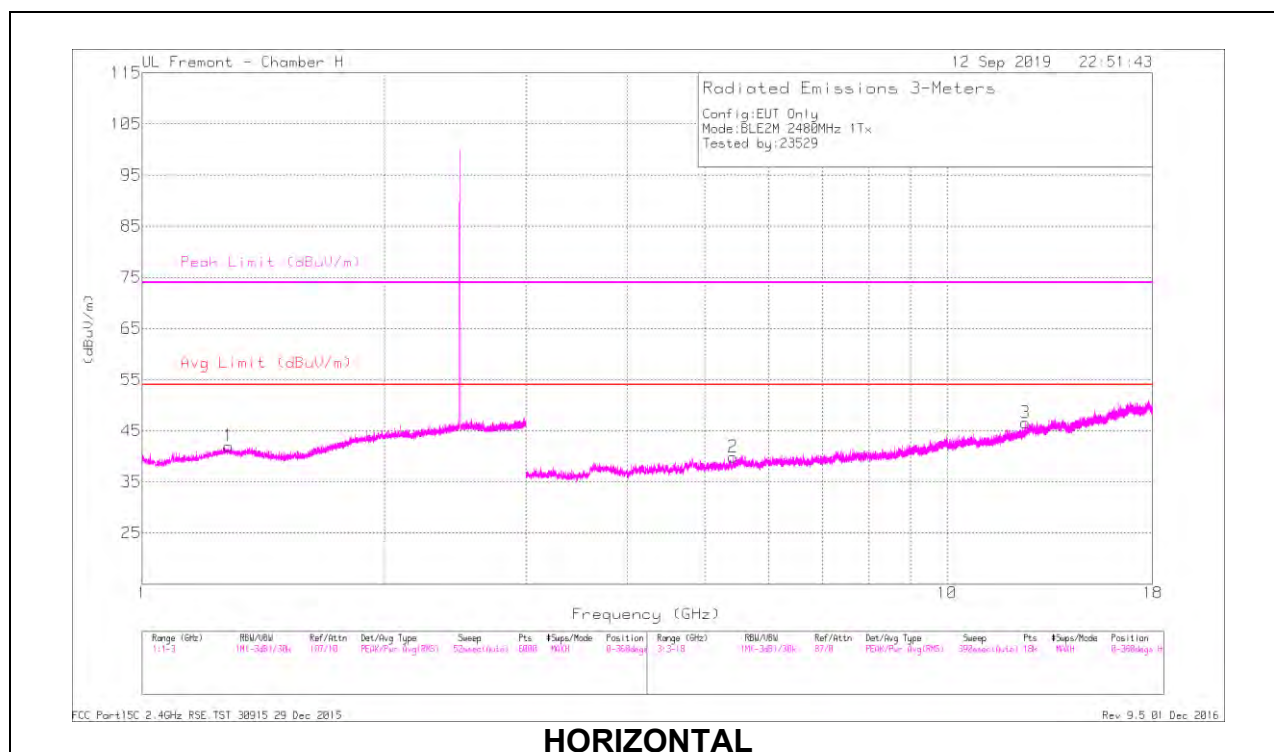
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.356	45.64	PK2	29	-25.3	49.34	-	-	74	-24.66	131	202	H
	* 1.356	33.62	MAv1	29	-25.3	37.32	54	-16.68	-	-	131	202	H
2	* 4.829	41.83	PK2	34.4	-30.4	45.83	-	-	74	-28.17	271	276	H
	* 4.828	30.76	MAv1	34.4	-30.3	34.86	54	-19.14	-	-	271	276	H
3	* 15.91	35.71	PK2	41.2	-20.7	56.21	-	-	74	-17.79	246	185	H
	* 15.909	24.54	MAv1	41.2	-20.7	45.04	54	-8.96	-	-	246	185	H
4	* 1.272	45.14	PK2	29.3	-25.5	48.94	-	-	74	-25.06	333	151	V
	* 1.271	33.7	MAv1	29.3	-25.5	37.5	54	-16.5	-	-	333	151	V
5	* 7.594	39.02	PK2	36.2	-27.7	47.52	-	-	74	-26.48	60	253	V
	* 7.595	27.69	MAv1	36.2	-27.7	36.19	54	-17.81	-	-	60	253	V
6	* 15.522	36.48	PK2	40.9	-22	55.38	-	-	74	-18.62	175	181	V
	* 15.52	24.82	MAv1	40.9	-22	43.72	54	-10.28	-	-	175	181	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (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	* 1.28	44.99	PK2	29.2	-25.4	48.79	-	-	74	-25.21	204	163	H
	* 1.283	33.58	MAv1	29.2	-25.4	37.38	54	-16.62	-	-	204	163	H
2	* 5.416	40.13	PK2	35.1	-29.1	46.13	-	-	74	-27.87	324	186	H
	* 5.419	28.88	MAv1	35	-29.1	34.78	54	-19.22	-	-	324	186	H
3	* 12.512	36.64	PK2	39.4	-23.3	52.74	-	-	74	-21.26	152	184	H
	* 12.514	25.27	MAv1	39.4	-23.3	41.37	54	-12.63	-	-	152	184	H
4	* 1.271	45.18	PK2	29.2	-25.4	48.98	-	-	74	-25.02	240	237	V
	* 1.271	33.59	MAv1	29.3	-25.5	37.39	54	-16.61	-	-	240	237	V
5	* 5.378	40.21	PK2	35	-29	46.21	-	-	74	-27.79	195	286	V
	* 5.379	29.02	MAv1	35	-29	35.02	54	-18.98	-	-	195	286	V
6	* 11.628	36.1	PK2	38.4	-23.1	51.4	-	-	74	-22.6	286	206	V
	* 11.626	24.83	MAv1	38.4	-23.1	40.13	54	-13.87	-	-	286	206	V

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

PK2 - KDB558074 Method: Maximum Peak

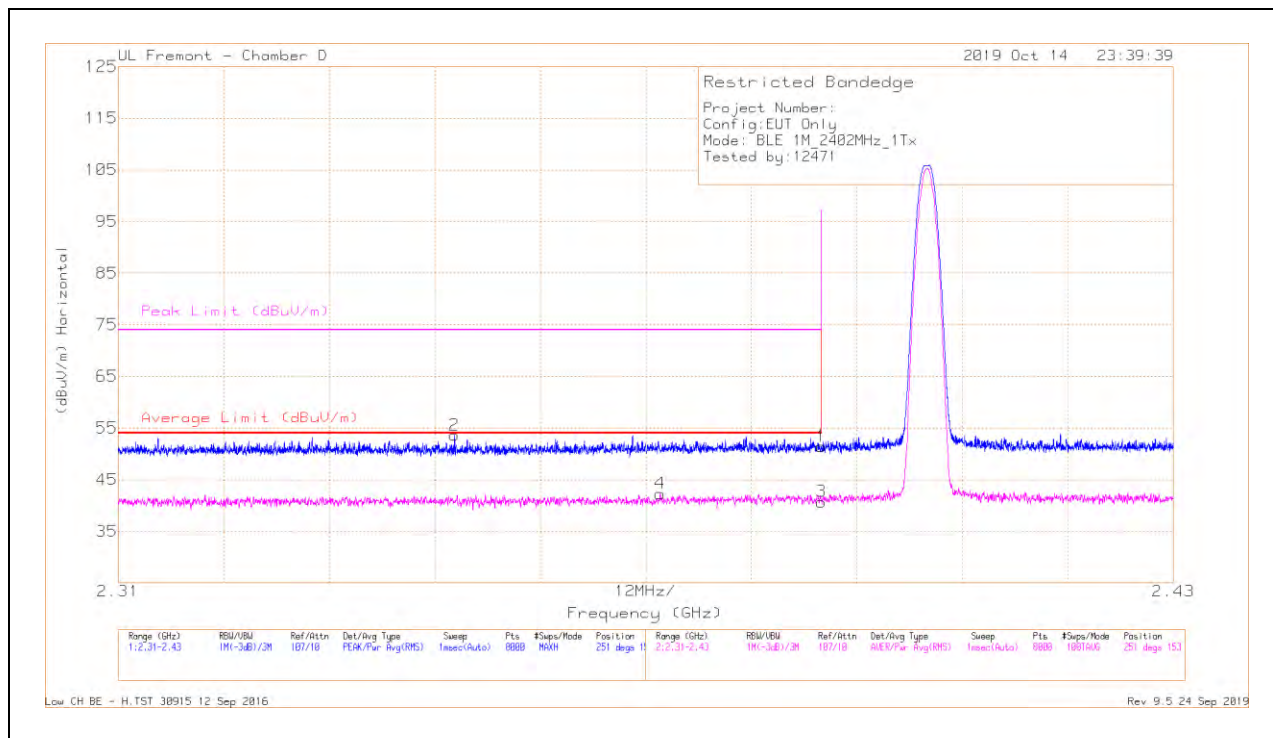
MAv1 - KDB558074 Option 1 Maximum RMS Average

9.2.3. LOW POWER BLE (1Mbps)

UAT 1

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (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	* 2.38999	39.94	Pk	32	-20.5	51.44	-	-	74	-22.56	251	153	H
2	* 2.34826	42.5	Pk	31.7	-20.6	53.6	-	-	74	-20.4	251	153	H
3	* 2.38999	29.24	RMS	32	-20.5	40.74	54	-13.26	-	-	251	153	H
4	* 2.37164	31.02	RMS	31.9	-20.6	42.32	54	-11.68	-	-	251	153	H

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

Pk - Peak detector

RMS - RMS detection

UL Fremont - Chamber D

2019 Oct 14 23:45:27

Restricted Bandedge

Project Number:

Config: EUT Only

Mode: BLE 1M_2402MHz_1Tx

Tested by: 12471

(dBU/m) Vertical

Peak Limit (dBU/m)

Average Limit (dBU/m)

12MHz/

Frequency (GHz)

Range (GHz) 1.2, 31 to 2.43

RBW/VBW 1M/30dB/3M

Ref/Attn 107/10

Det/Avg Type PEAK/Pwr Avg(RMS)

Sweep Inoc/Auto/

Pts 8888

#Seps/Mode 160/1

Position 160 degs 3

Range (GHz) 2.2, 31 to 2.43

RBW/VBW 1M/30dB/3M

Ref/Attn 107/10

Det/Avg Type PEAK/Pwr Avg(RMS)

Sweep Inoc/Auto/

Pts 8888

#Seps/Mode 160/1

Position 160 degs 308

Low CH BE - U.TST 30915 12 Sep 2019

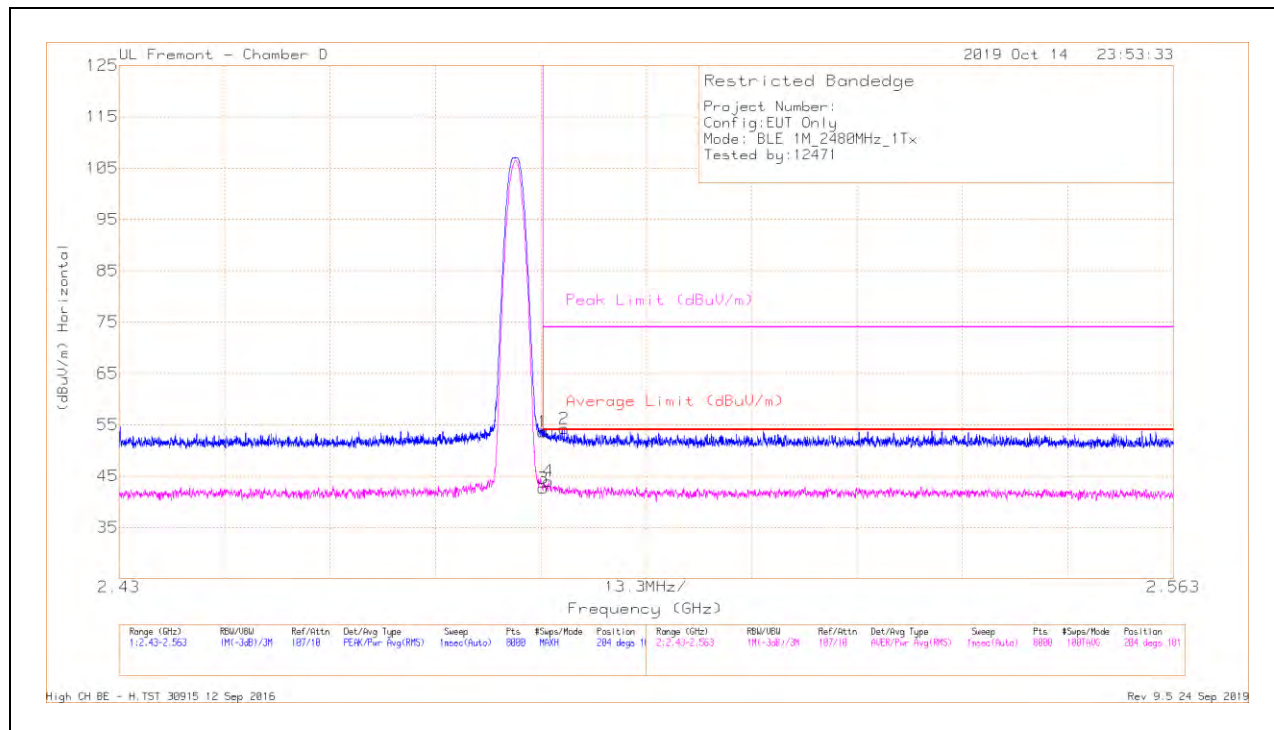
Rev 9.5 24 Sep 2019

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (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	* 2.38999	39.79	Pk	32	-20.5	51.29	-	-	74	-22.71	165	388	V
2	* 2.38695	41.73	Pk	32	-20.6	53.13	-	-	74	-20.87	165	388	V
3	* 2.38999	29.49	RMS	32	-20.5	40.99	54	-13.01	-	-	165	388	V
4	* 2.38298	31.08	RMS	32	-20.6	42.48	54	-11.52	-	-	165	388	V

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



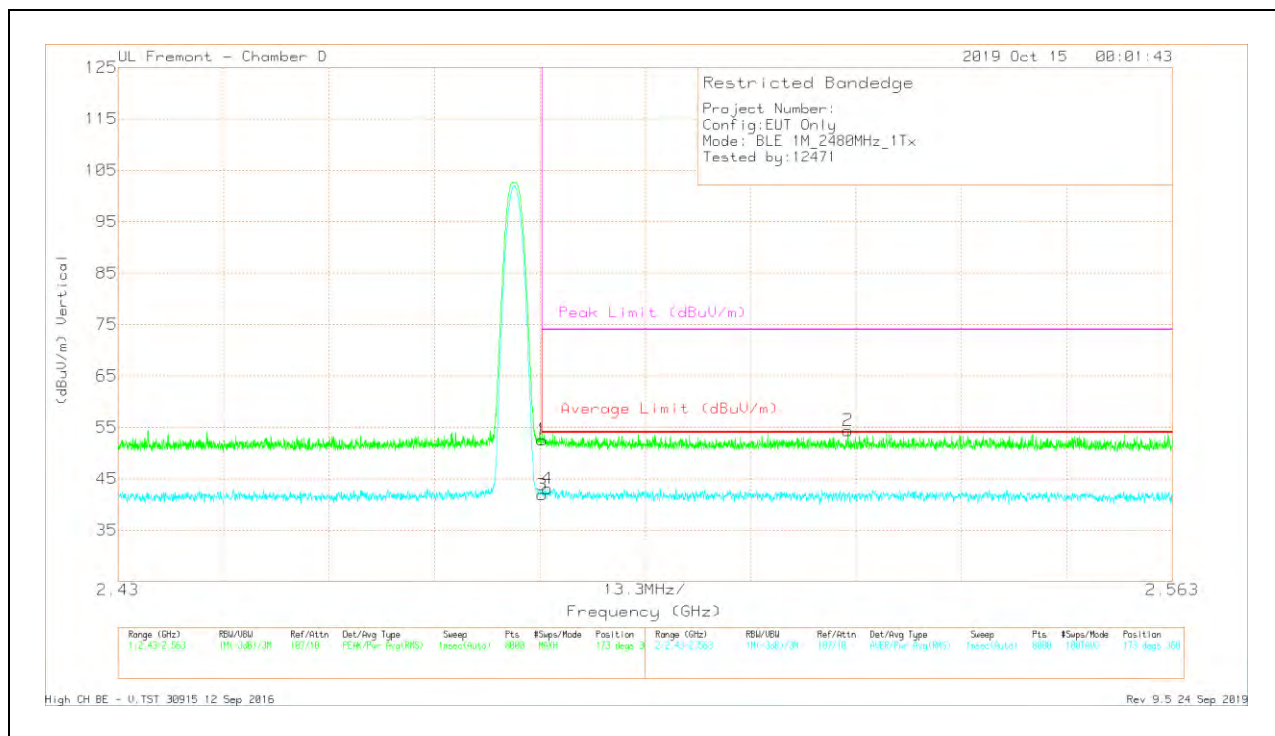
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	41.72	Pk	32.4	-20.5	53.62	-	-	74	-20.38	204	101	H
2	* 2.48617	42.43	Pk	32.3	-20.5	54.23	-	-	74	-19.77	204	101	H
3	* 2.48351	30.71	RMS	32.4	-20.5	42.61	54	-11.39	-	-	204	101	H
4	* 2.48419	32.2	RMS	32.3	-20.5	44	54	-10	-	-	204	101	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (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	* 2.48351	40.69	Pk	32.4	-20.5	52.59	-	-	74	-21.41	173	360	V
2	2.52208	42.5	Pk	32.3	-20.4	54.4	-	-	74	-19.6	173	360	V
3	* 2.48351	29.99	RMS	32.4	-20.5	41.89	54	-12.11	-	-	173	360	V
4	* 2.48419	31.28	RMS	32.3	-20.5	43.08	54	-10.92	-	-	173	360	V

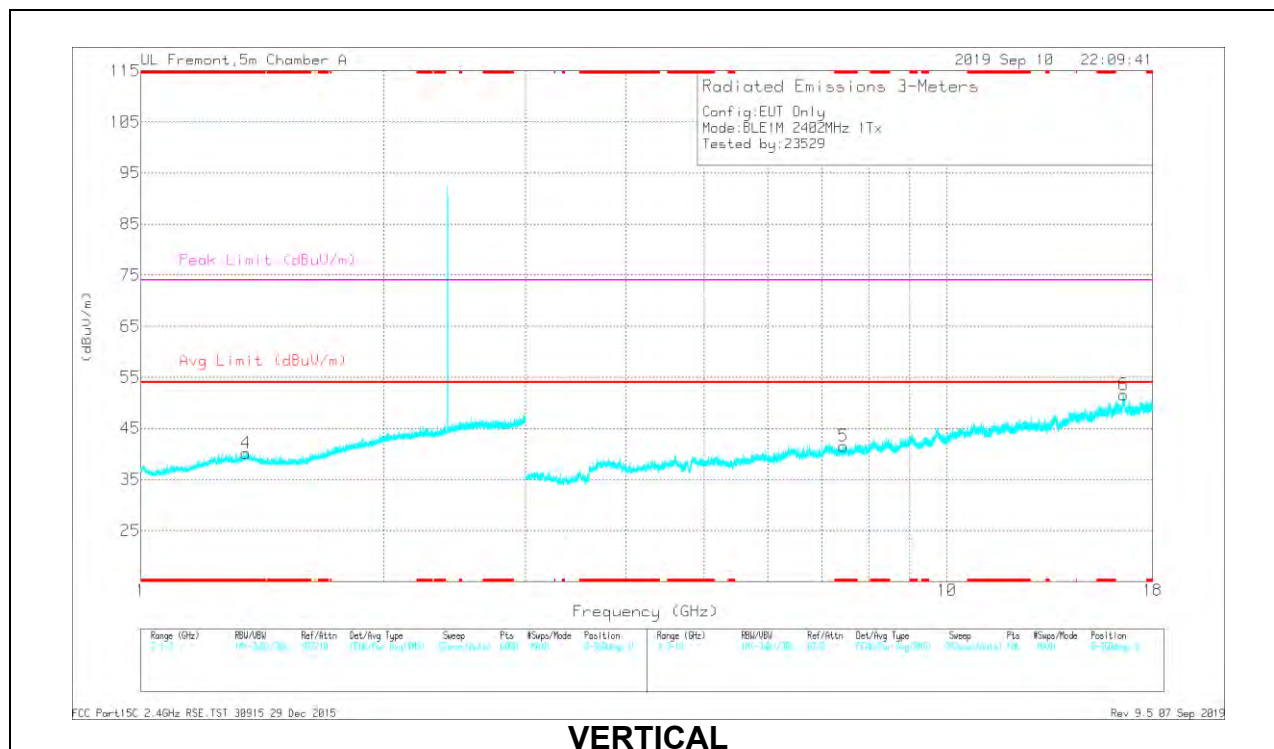
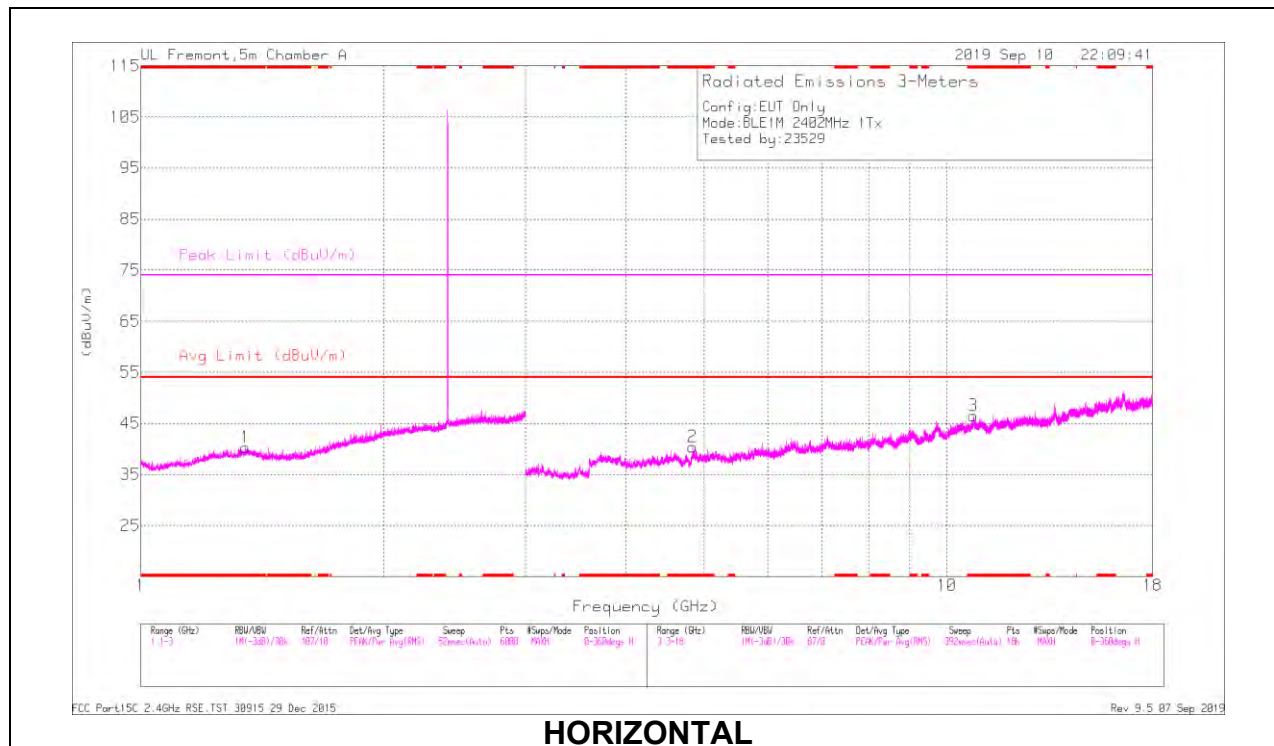
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

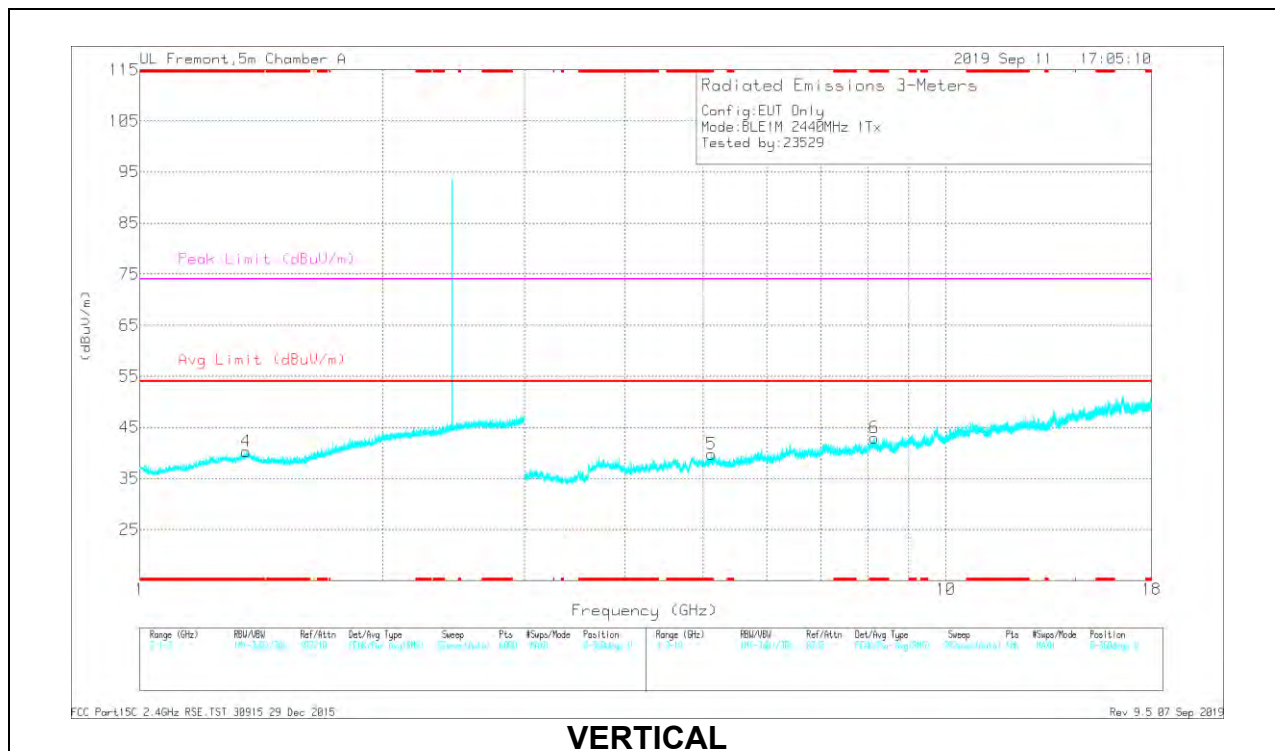
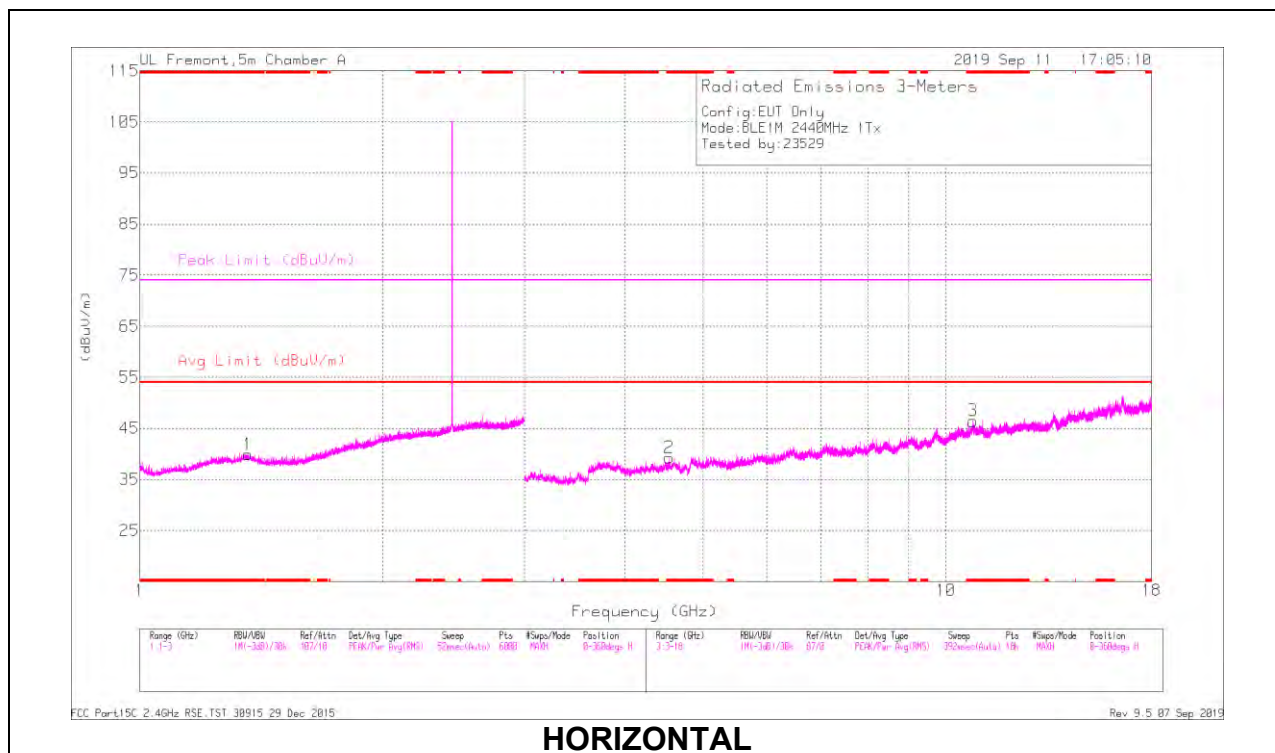
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.34586	42.44	PK2	29.3	-24.6	47.14	-	-	74	-26.86	263	183	H
	* 1.34661	30.73	Mav1	29.4	-24.6	35.53	54	-18.47	-	-	263	183	H
2	* 4.84157	39.97	PK2	34.3	-26.4	47.87	-	-	74	-26.13	31	135	H
	* 4.8408	27.69	Mav1	34.3	-26.4	35.59	54	-18.41	-	-	31	135	H
3	* 10.79623	33.22	PK2	37.9	-18.5	52.62	-	-	74	-21.38	144	212	H
	* 10.79713	22.18	Mav1	37.9	-18.4	41.68	54	-12.32	-	-	144	212	H
4	* 1.34932	42.63	PK2	29.5	-24.6	47.53	-	-	74	-26.47	221	154	V
	* 1.34821	30.71	Mav1	29.4	-24.6	35.51	54	-18.49	-	-	221	154	V
5	* 7.44444	34.99	PK2	35.7	-22.3	48.39	-	-	74	-25.61	299	199	V
	* 7.44288	23.63	Mav1	35.7	-22.3	37.03	54	-16.97	-	-	299	199	V
6	16.57206	32.89	PK2	41.4	-16.7	57.59	-	-	-	-	252	179	V

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

PK2 – KDB558074 Method: Maximum Peak

Mav1 – KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS



RADIATED EMISSIONS

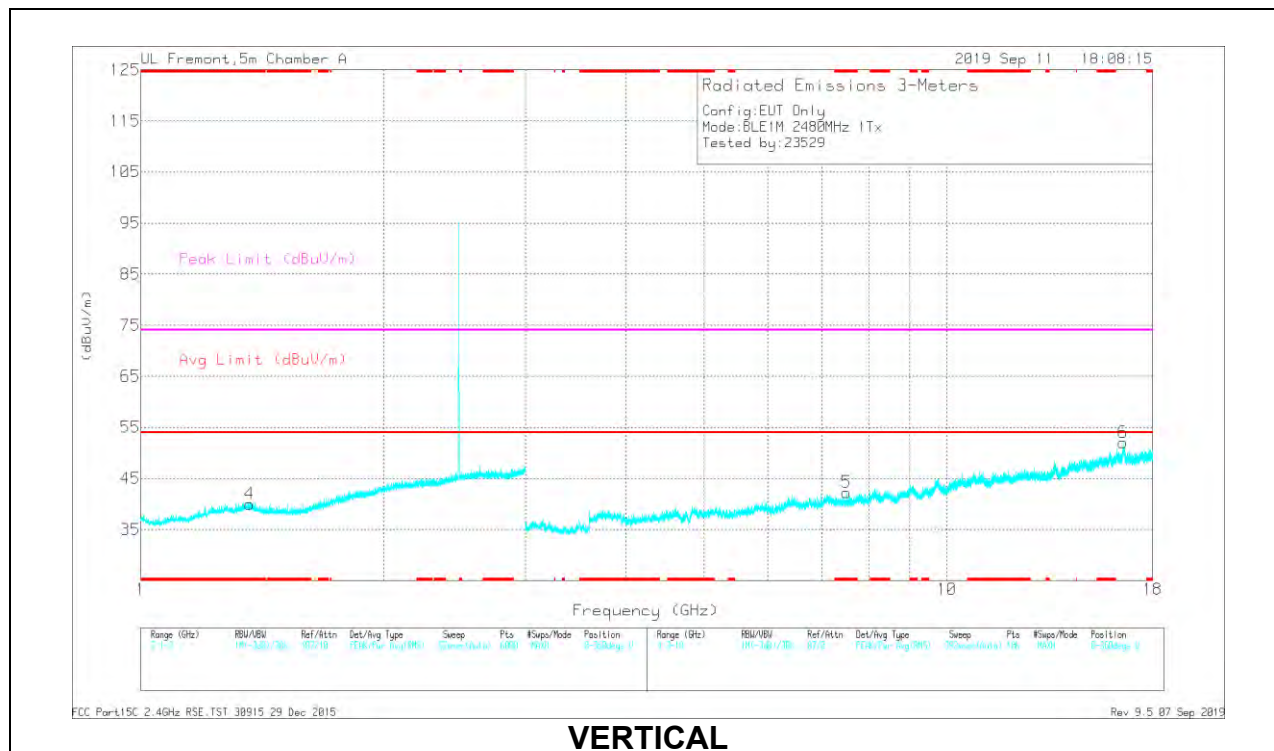
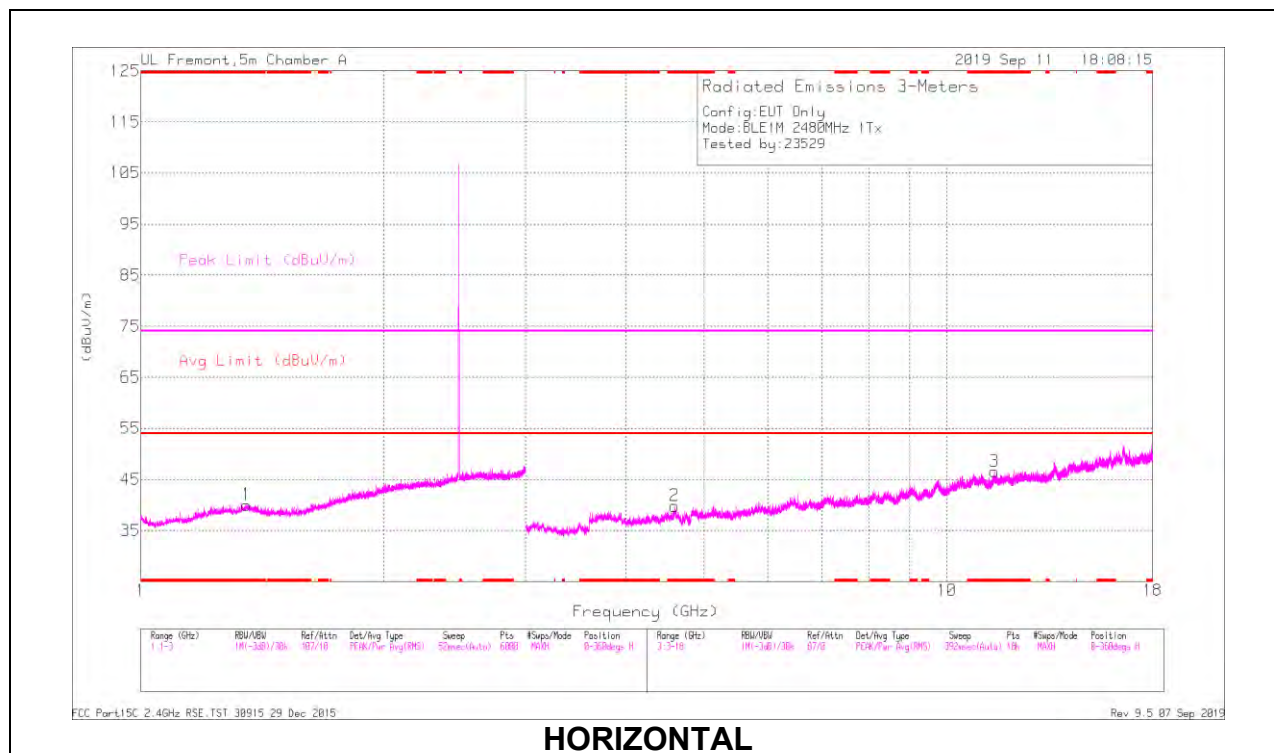
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.3598	43.35	PK2	29.5	-24.6	48.25	-	-	74	-25.75	31	195	H
	* 1.36044	30.75	Mav1	29.5	-24.6	35.65	54	-18.35	-	-	31	195	H
2	* 4.53685	38.58	PK2	34.2	-27.1	45.68	-	-	74	-28.32	283	185	H
	* 4.53575	27.68	Mav1	34.2	-27.1	34.78	54	-19.22	-	-	283	185	H
3	* 10.79714	32.98	PK2	37.9	-18.4	52.48	-	-	74	-21.52	150	101	H
	* 10.79886	22.15	Mav1	37.9	-18.4	41.65	54	-12.35	-	-	150	101	H
4	* 1.35654	42.42	PK2	29.6	-24.6	47.42	-	-	74	-26.58	140	220	V
	* 1.35387	30.74	Mav1	29.6	-24.5	35.84	54	-18.16	-	-	140	220	V
5	* 5.1195	38.41	PK2	34.6	-26.7	46.31	-	-	74	-27.69	165	167	V
	* 5.11981	27.47	Mav1	34.6	-26.7	35.37	54	-18.63	-	-	165	167	V
6	* 8.14763	34.67	PK2	35.9	-21.3	49.27	-	-	74	-24.73	278	252	V
	* 8.14684	23.52	Mav1	35.8	-21.3	38.02	54	-15.98	-	-	278	252	V

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

PK2 – KDB558074 Method: Maximum Peak

Mav1 – KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (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	* 1.35242	42.6	PK2	29.6	-24.5	47.7	-	-	74	-26.3	223	152	H
	* 1.35275	30.8	Mav1	29.6	-24.5	35.9	54	-18.1	-	-	223	152	H
	* 4.59315	39.37	PK2	34.3	-27.4	46.27	-	-	74	-27.73	120	175	H
2	* 4.59418	28.16	Mav1	34.3	-27.4	35.06	54	-18.94	-	-	120	175	H
	* 11.44943	33.49	PK2	38.1	-18.8	52.79	-	-	74	-21.21	231	222	H
	* 11.44911	21.53	Mav1	38.1	-18.8	40.83	54	-13.17	-	-	231	222	H
4	* 1.36173	42.37	PK2	29.6	-24.6	47.37	-	-	74	-26.63	218	209	V
	* 1.36555	30.75	Mav1	29.6	-24.6	35.75	54	-18.25	-	-	218	209	V
	* 7.51491	34.76	PK2	35.7	-22.4	48.06	-	-	74	-25.94	241	211	V
5	* 7.51511	23.55	Mav1	35.7	-22.4	36.85	54	-17.15	-	-	241	211	V
	16.55161	33.65	PK2	41.4	-16.4	58.65	-	-	-	-	163	175	V

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

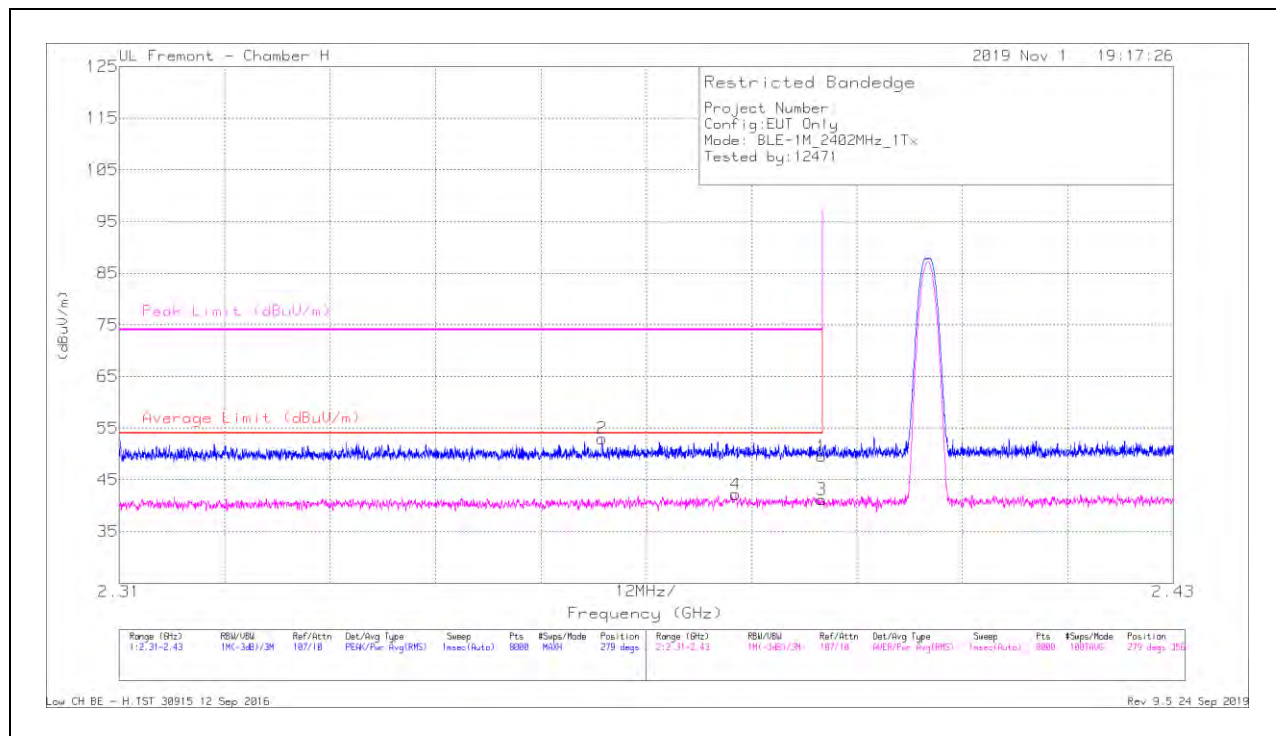
PK2 – KDB558074 Method: Maximum Peak

Mav1 – KDB558074 Option 1 Maximum RMS Average

LAT 3

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



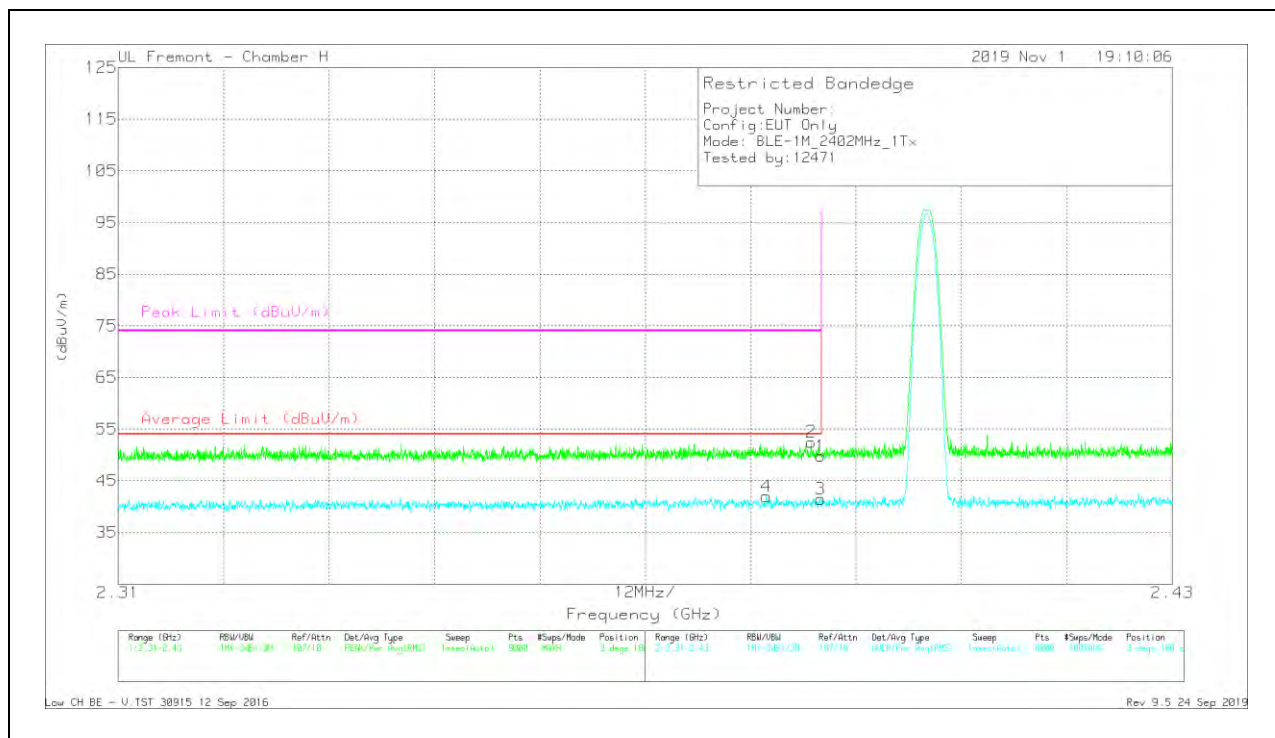
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	40.93	Pk	32.1	-23.5	49.53	-	-	74	-24.47	279	356	H
2	* 2.36495	44.61	Pk	32	-23.6	53.01	-	-	74	-20.99	279	356	H
3	* 2.38999	32.59	RMS	32.1	-23.5	41.19	54	-12.81	-	-	279	356	H
4	* 2.38018	33.51	RMS	32.2	-23.5	42.21	54	-11.79	-	-	279	356	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 T663 (dB/m)	Amp/Cb/Filt/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	* 2.38999	41.18	Pk	32.1	-23.5	49.78	-	-	74	-24.22	3	180	V
2	* 2.3889	43.89	Pk	32.1	-23.5	52.49	-	-	74	-21.51	3	180	V
3	* 2.38999	32.86	RMS	32.1	-23.5	41.46	54	-12.54	-	-	3	180	V
4	* 2.38378	33.35	RMS	32.1	-23.5	41.95	54	-12.05	-	-	3	180	V

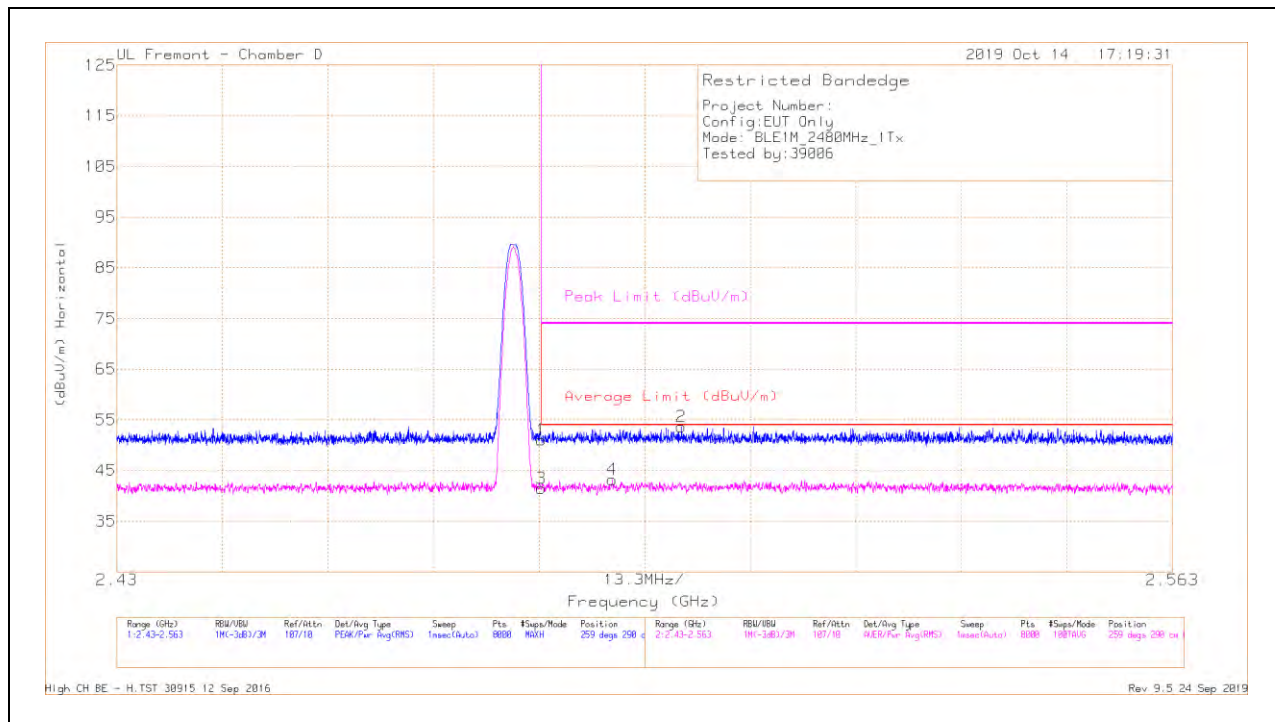
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



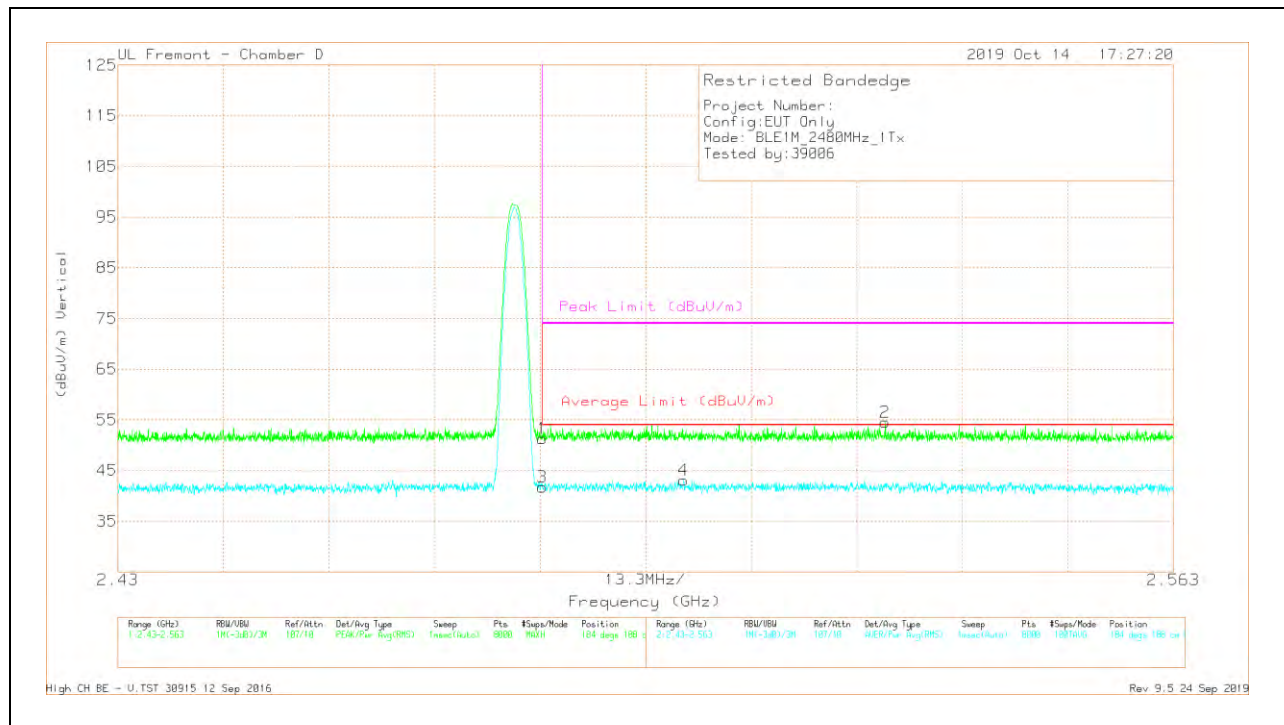
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	39.15	Pk	32.4	-20.5	51.05	-	-	74	-22.95	259	290	H
2	2.50111	41.83	Pk	32.3	-20.5	53.63	-	-	74	-20.37	259	290	H
3	* 2.48351	29.56	RMS	32.4	-20.5	41.46	54	-12.54	-	-	259	290	H
4	* 2.49242	31.2	RMS	32.4	-20.4	43.2	54	-10.8	-	-	259	290	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 T712 (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	* 2.48351	39.37	Pk	32.4	-20.5	51.27	-	-	74	-22.73	184	188	V
2	2.5267	42.61	Pk	32.3	-20.4	54.51	-	-	74	-19.49	184	188	V
3	* 2.48351	29.78	RMS	32.4	-20.5	41.68	54	-12.32	-	-	184	188	V
4	2.5013	31.34	RMS	32.3	-20.5	43.14	54	-10.86	-	-	184	188	V

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

Pk - Peak detector

RMS - RMS detection