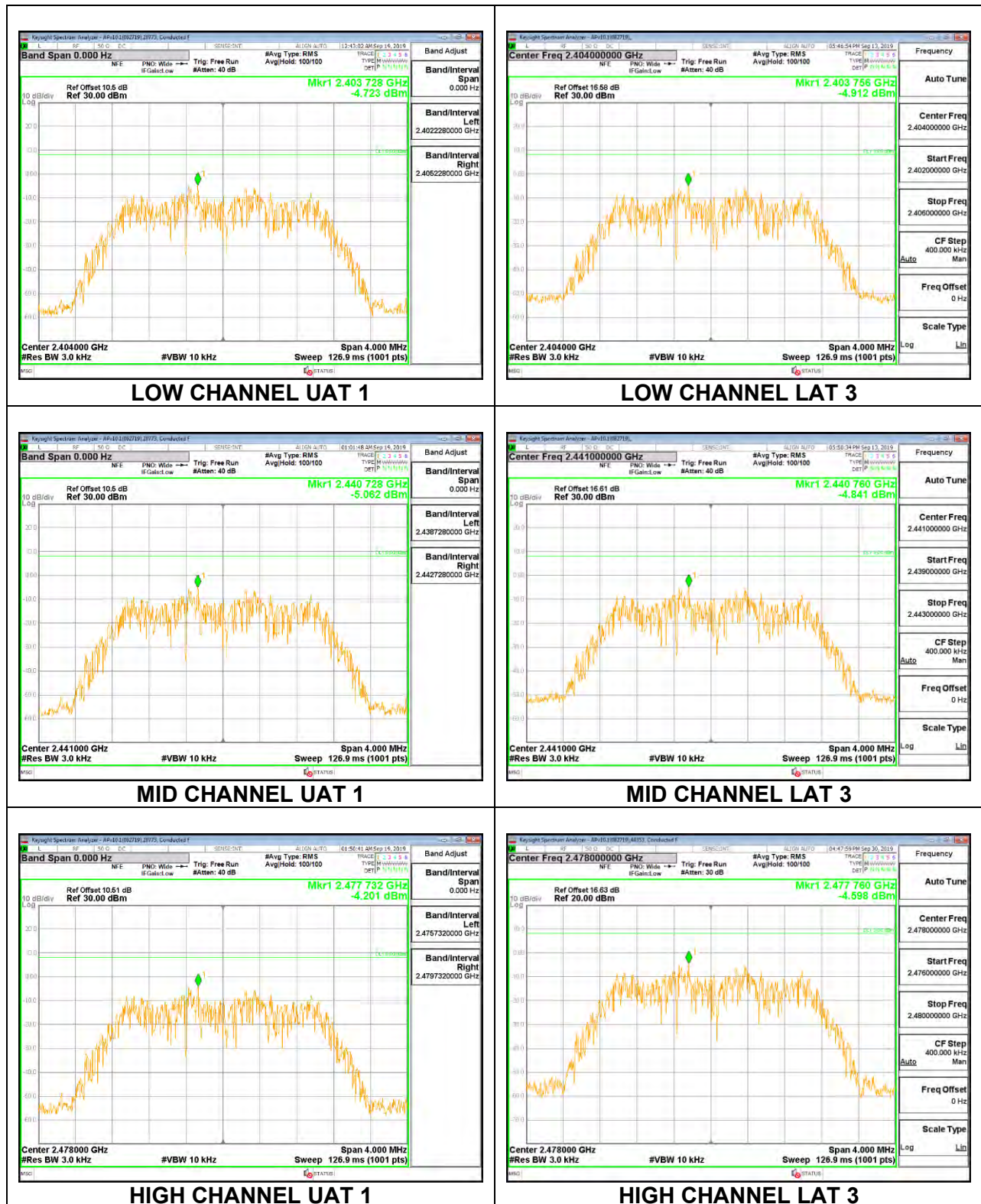
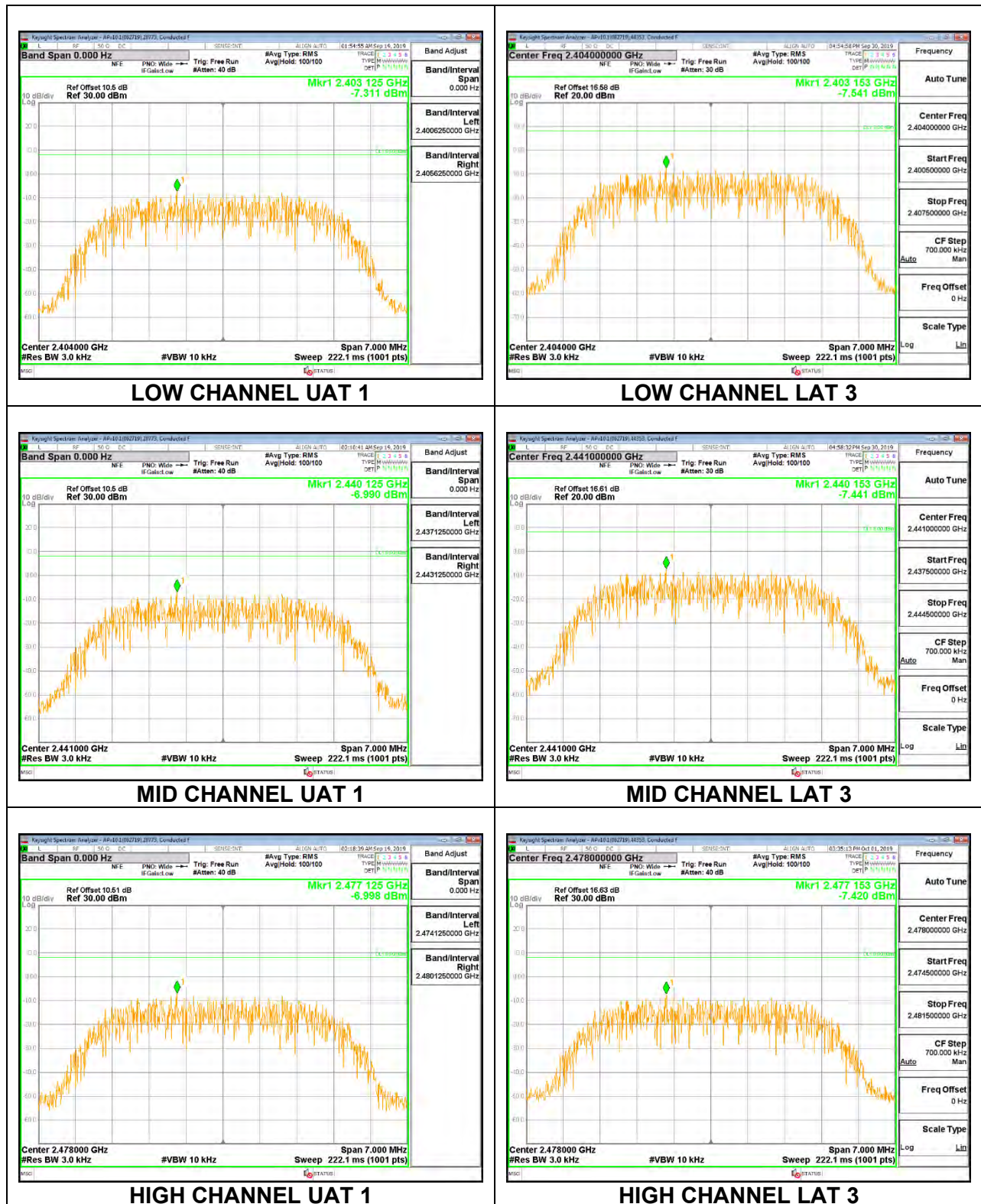




8.12.2. HIGH POWER HDR (HDR8)

PSD Results

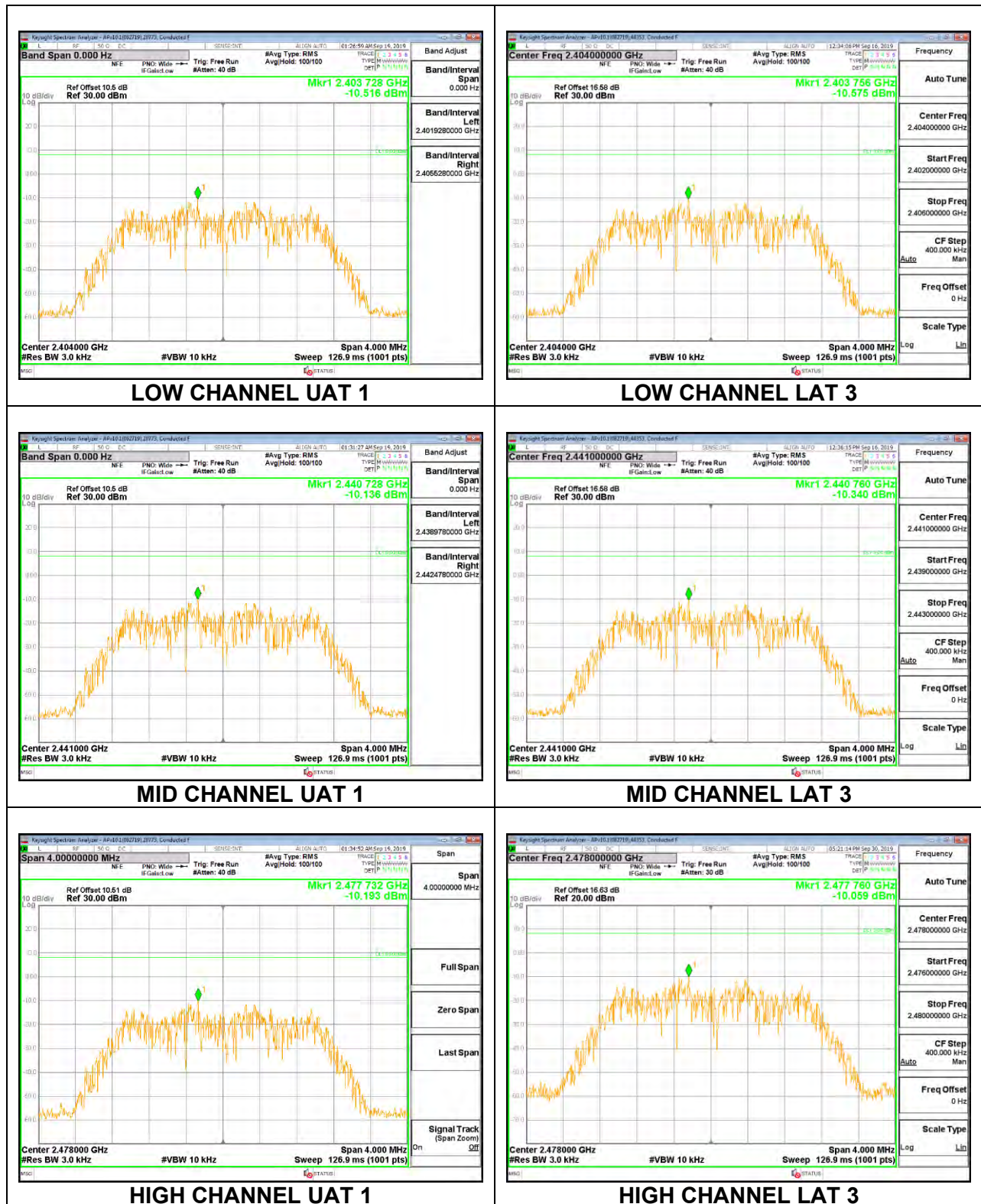
Channel	Frequency (MHz)	UAT 1 Meas (dBm/ 3kHz)	LAT 3 Meas (dBm/ 3kHz)	Total Corr'd PSD (dBm/ 3kHz)	Limit (dBm/ 3kHz)	Margin (dB)
Low	2404	-7.311	-7.541	-4.41	8.0	-12.4
Mid	2441	-6.990	-7.441	-4.20	8.0	-12.2
High	2478	-6.998	-7.420	-4.19	8.0	-12.2



8.12.3. LOW POWER HDR (HDR4)

PSD Results

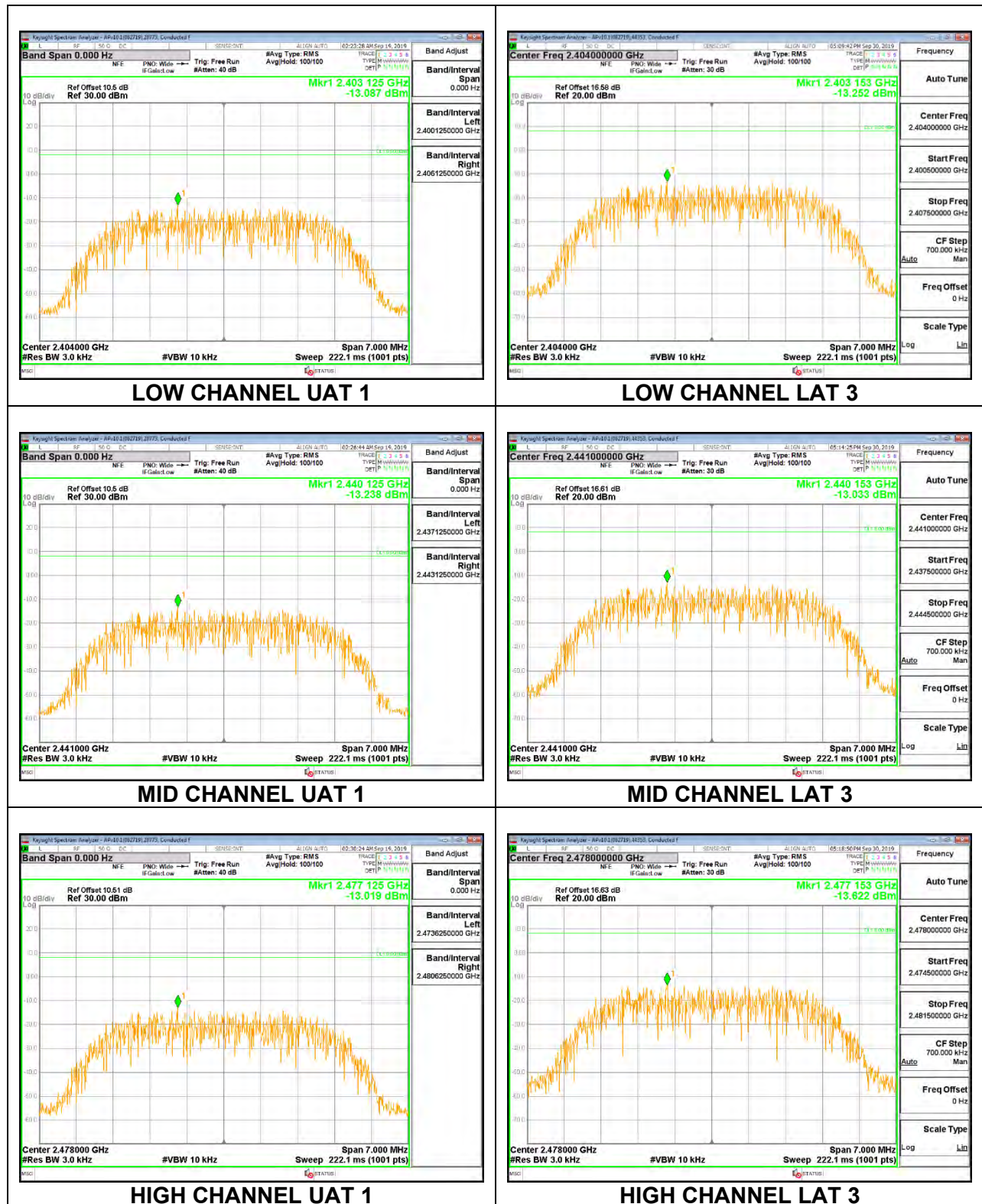
Channel	Frequency (MHz)	UAT 1 Meas (dBm/ 3kHz)	LAT 3 Meas (dBm/ 3kHz)	Total Corr'd PSD (dBm/ 3kHz)	Limit (dBm/ 3kHz)	Margin (dB)
Low	2404	-10.516	-10.575	-7.54	8.0	-15.5
Mid	2441	-10.136	-10.340	-7.23	8.0	-15.2
High	2478	-10.193	-10.059	-7.12	8.0	-15.1



8.12.4. LOW POWER HDR (HDR8)

PSD Results

Channel	Frequency (MHz)	UAT 1 Meas (dBm/ 3kHz)	LAT 3 Meas (dBm/ 3kHz)	Total Corr'd PSD (dBm/ 3kHz)	Limit (dBm/ 3kHz)	Margin (dB)
Low	2404	-13.087	-13.252	-10.16	8.0	-18.2
Mid	2441	-13.238	-13.033	-10.12	8.0	-18.1
High	2478	-13.019	-13.622	-10.30	8.0	-18.3



8.13. BEAMFORMING CONDUCTED SPURIOUS EMISSIONS

LIMITS

FCC §15.247 (d)

RSS-247 5.5

Output power was measured based on the use of a peak measurement, therefore the required attenuation is 20 dB.

RESULTS

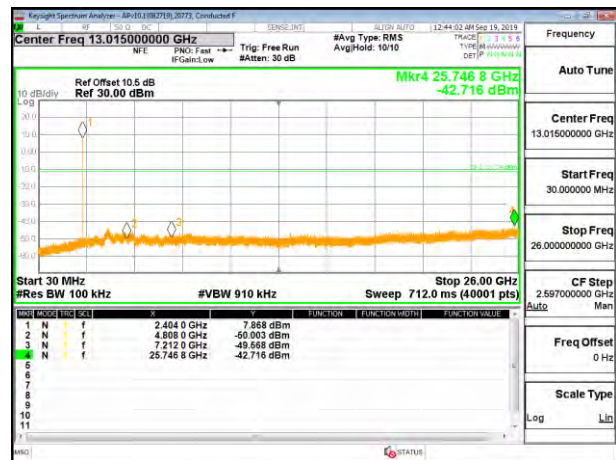
Note: Test procedures and setting are same as HDR normal mode.

8.13.1. HIGH POWER HDR (HDR4)

UAT1



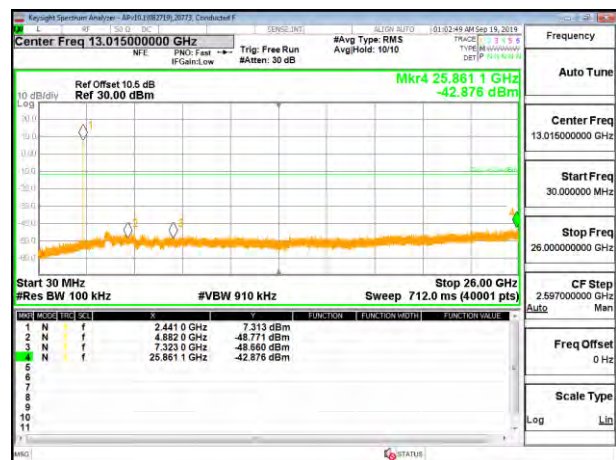
LOW CHANNEL BANDEDGE UAT 1



OUT-OF-BAND LOW CHANNEL UAT 1



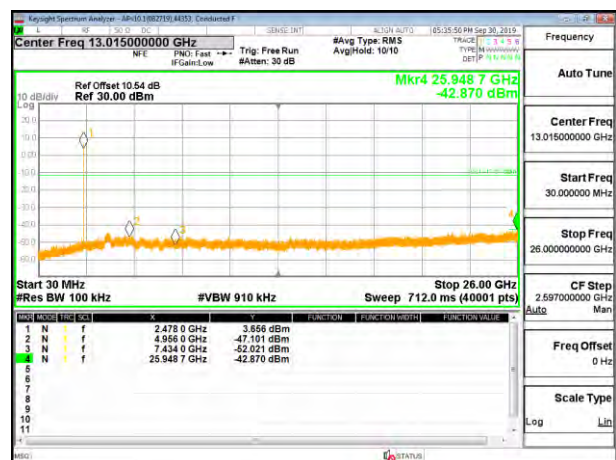
IN-BAND REFERENCE LEVEL UAT 1



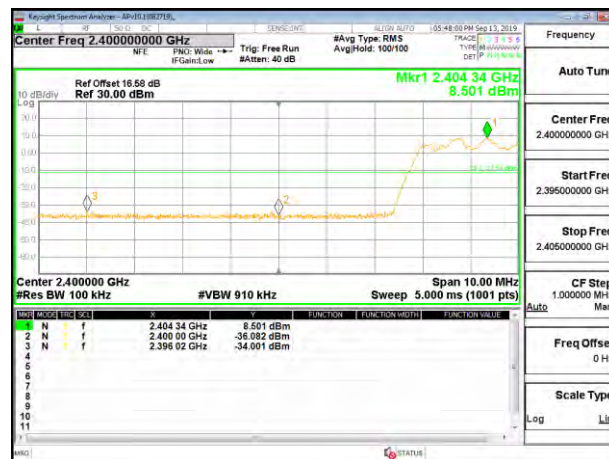
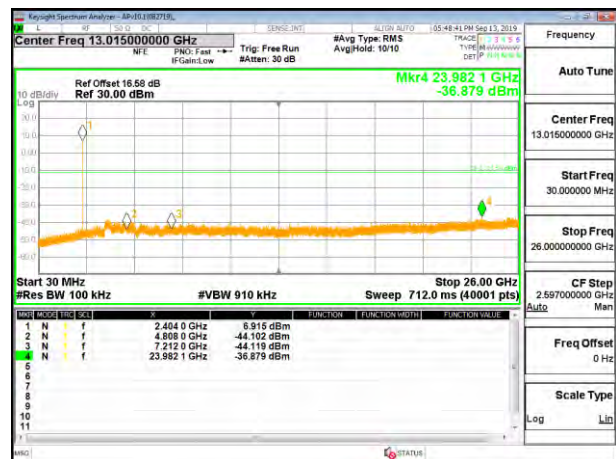
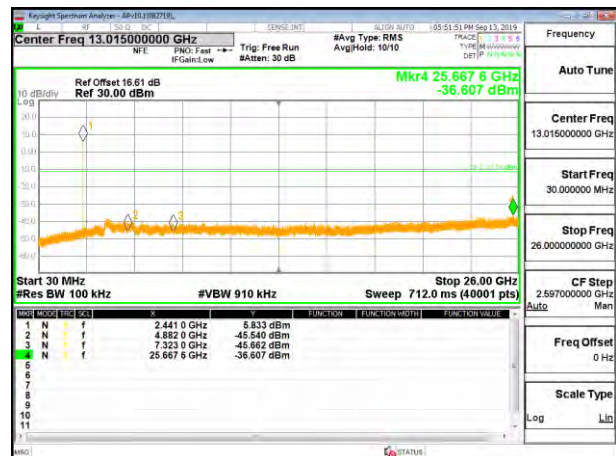
OUT-OF-BAND MID CHANNEL UAT 1



HIGH CHANNEL BANDEDGE UAT 1

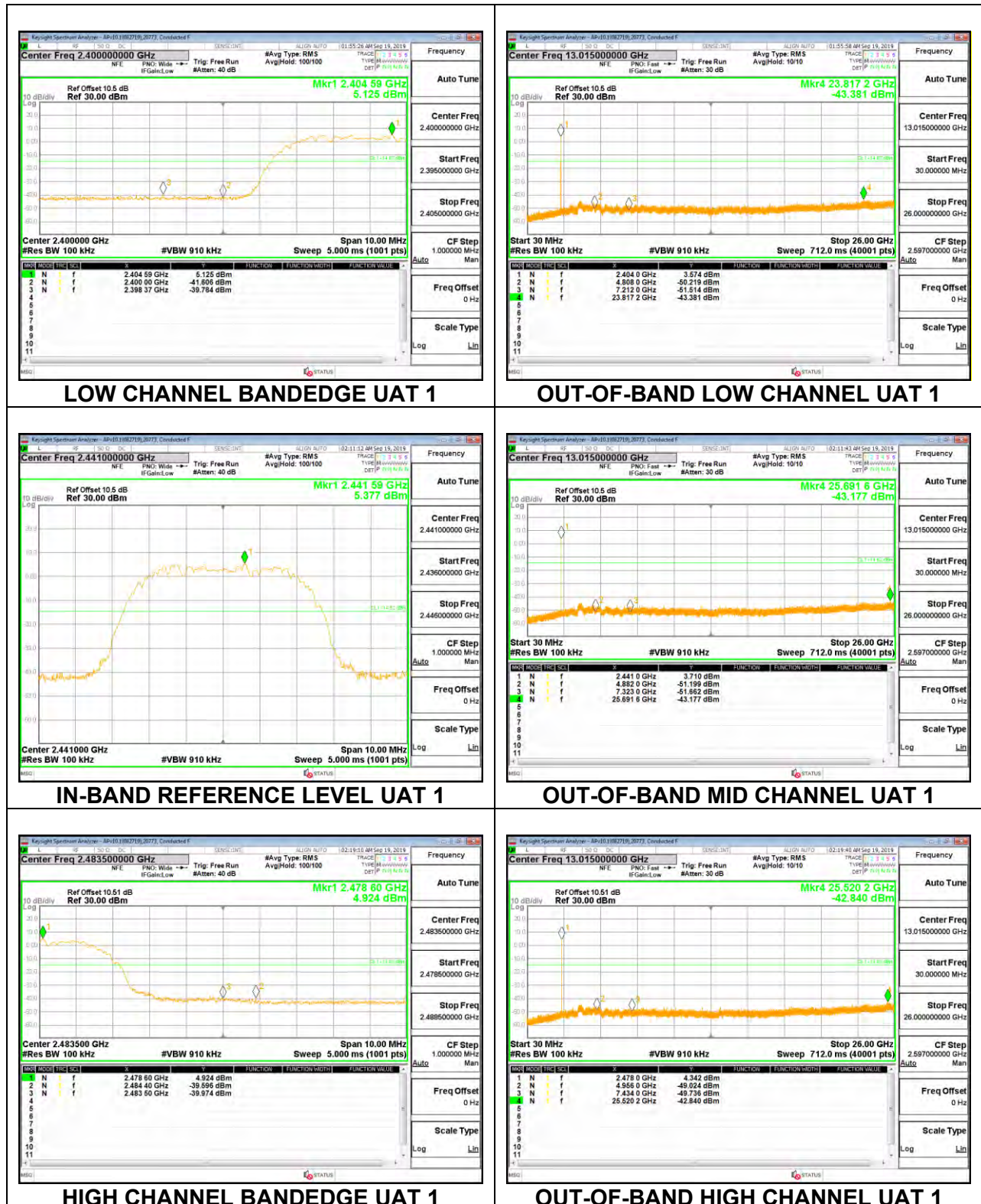


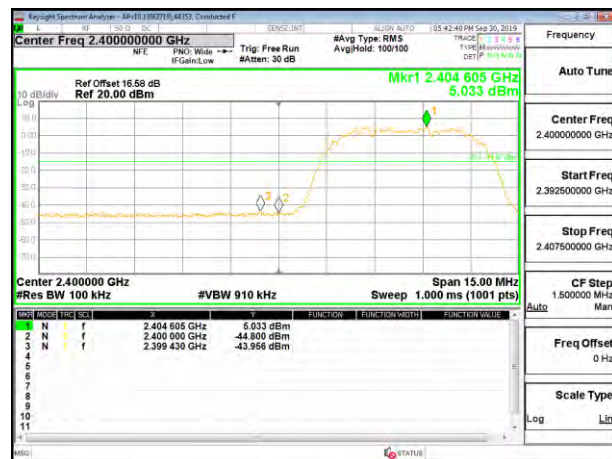
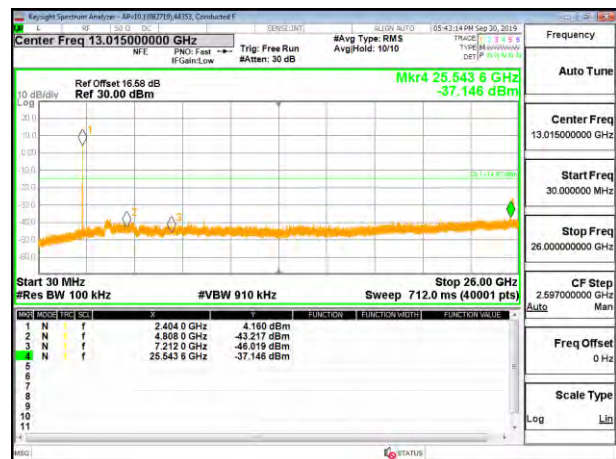
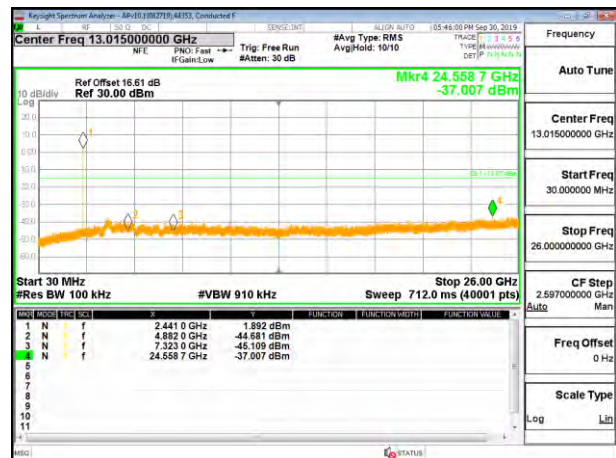
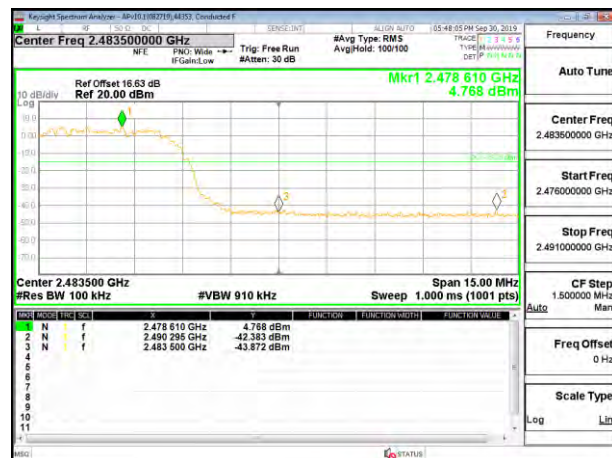
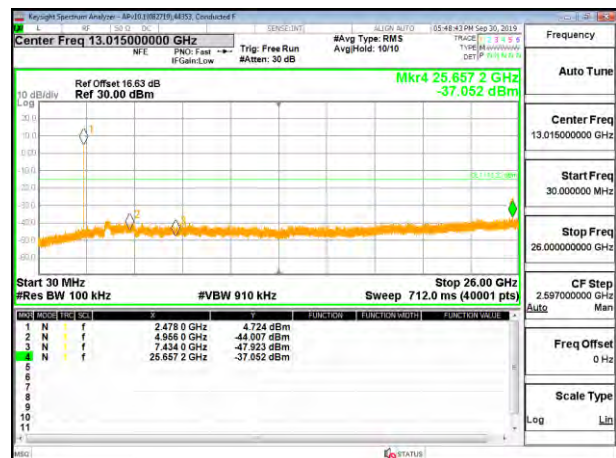
OUT-OF-BAND HIGH CHANNEL UAT 1

LAT 3**LOW CHANNEL BANDEDGE LAT 3****OUT-OF-BAND LOW CHANNEL LAT 3****IN-BAND REFERENCE LEVEL LAT 3****OUT-OF-BAND MID CHANNEL LAT 3****HIGH CHANNEL BANDEDGE LAT 3****OUT-OF-BAND HIGH CHANNEL LAT 3**

8.13.2. HIGH POWER HDR (HDR8)

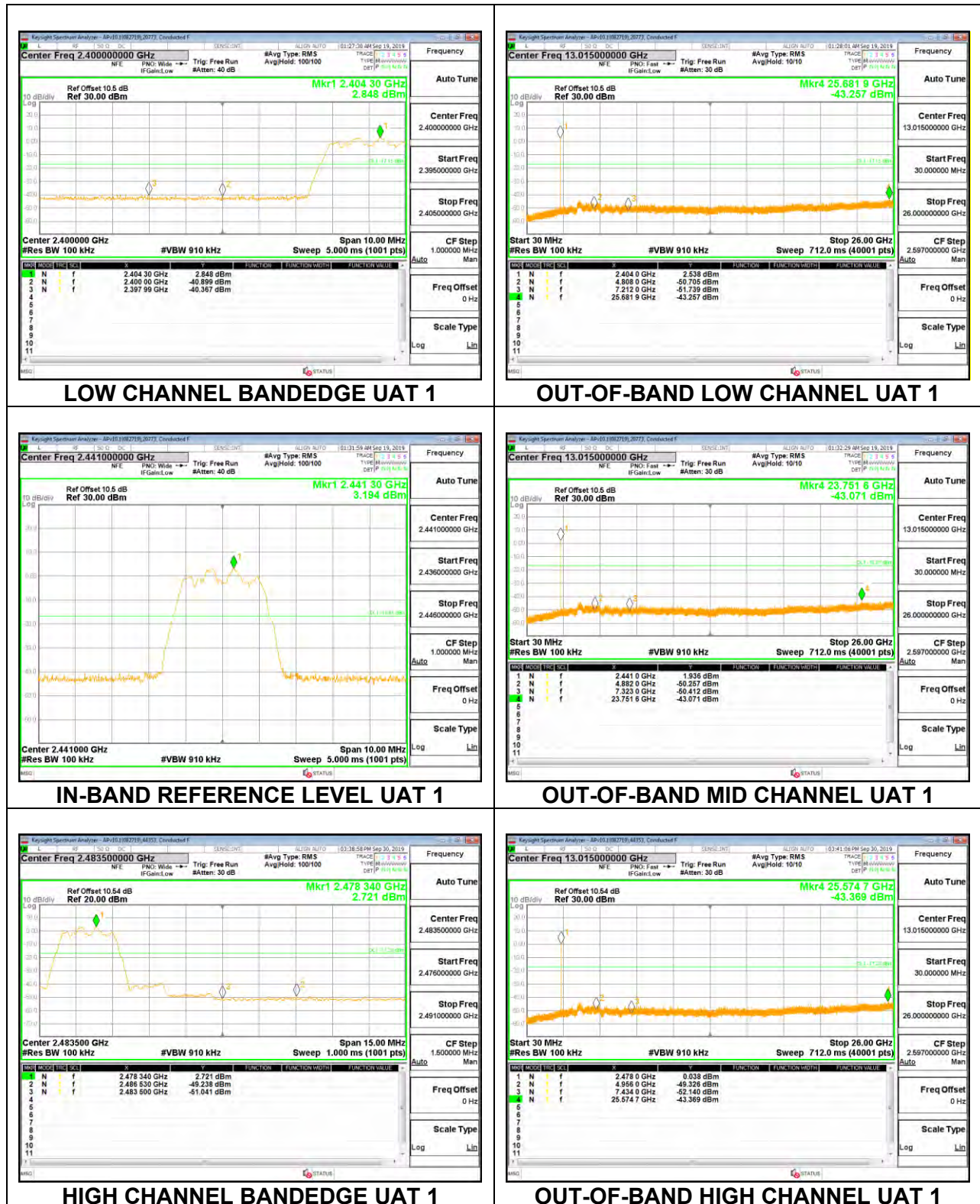
UAT1



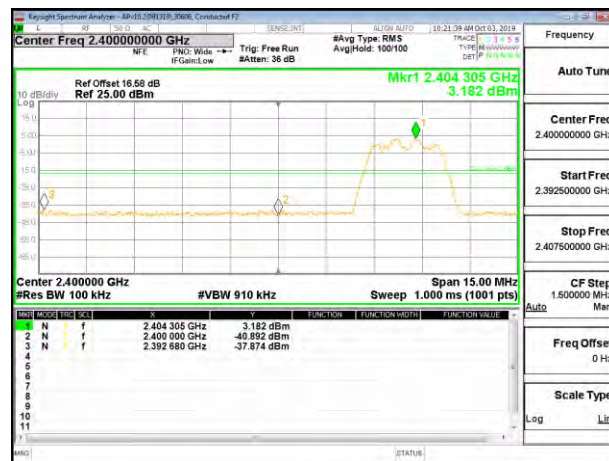
LAT 3**LOW CHANNEL BANDEDGE LAT 3****OUT-OF-BAND LOW CHANNEL LAT 3****IN-BAND REFERENCE LEVEL LAT 3****OUT-OF-BAND MID CHANNEL LAT 3****HIGH CHANNEL BANDEDGE LAT 3****OUT-OF-BAND HIGH CHANNEL LAT 3**

8.13.3. LOW POWER HDR (HDR4)

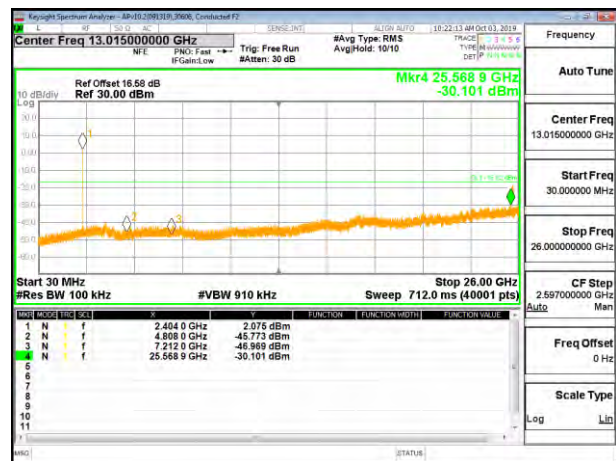
UAT1



LAT 3



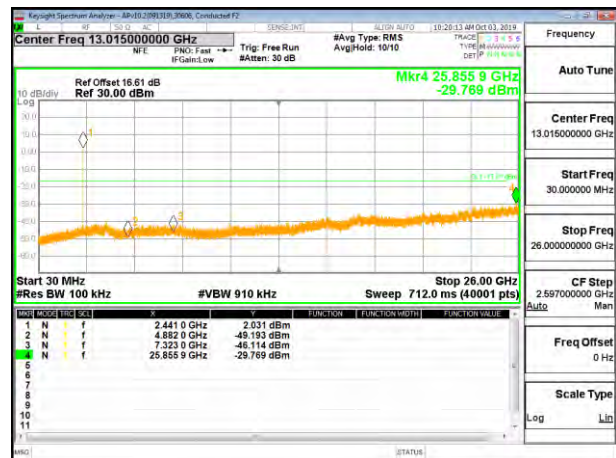
LOW CHANNEL BANDEDGE LAT 3



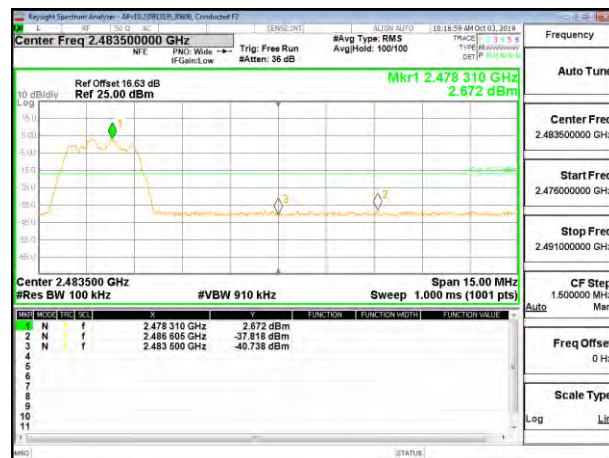
OUT-OF-BAND LOW CHANNEL LAT 3



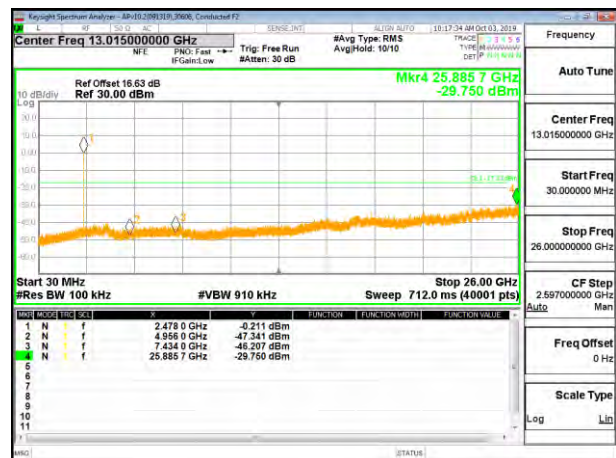
IN-BAND REFERENCE LEVEL LAT 3



OUT-OF-BAND MID CHANNEL LAT 3



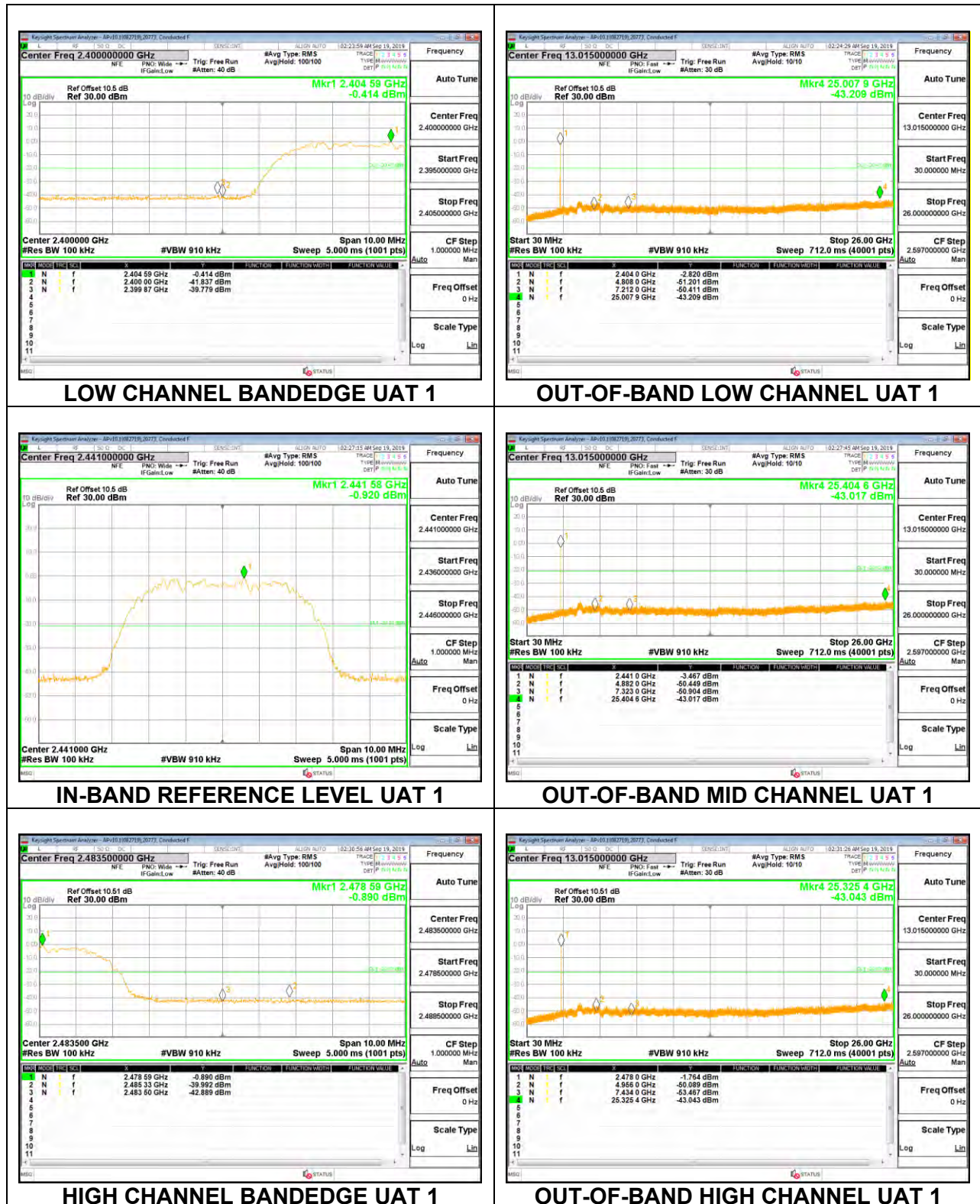
HIGH CHANNEL BANDEDGE LAT 3

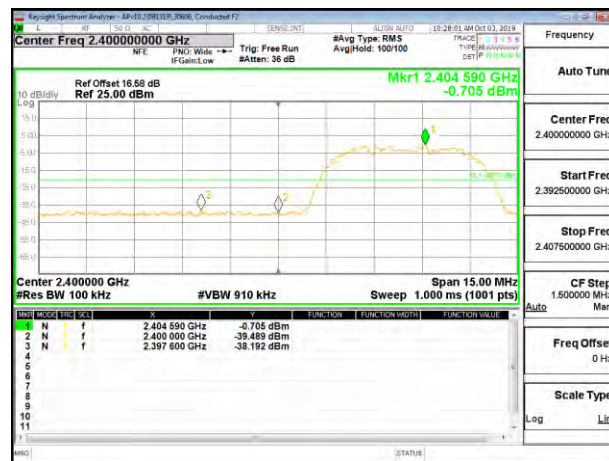


OUT-OF-BAND HIGH CHANNEL LAT 3

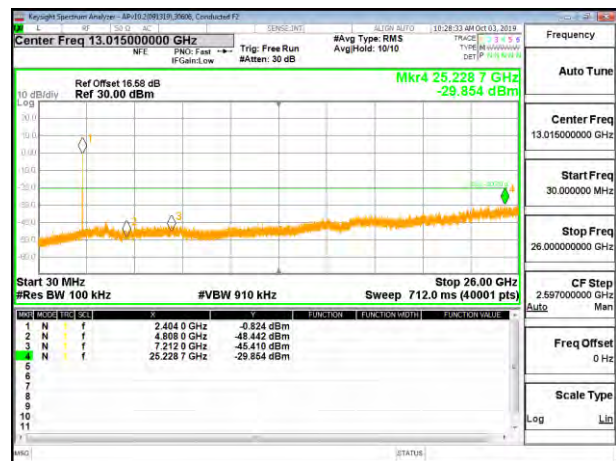
8.13.4. LOW POWER HDR (HDR8)

UAT1

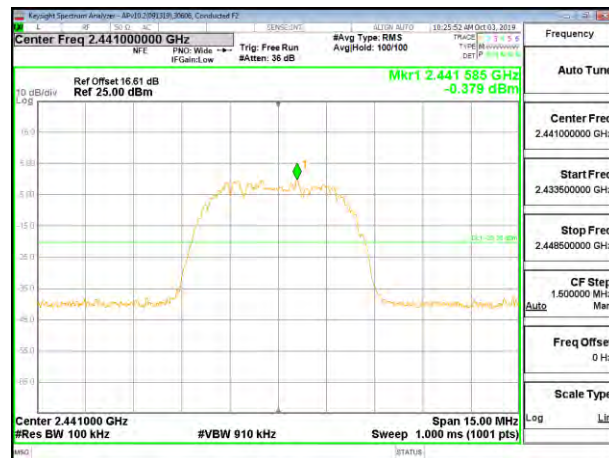




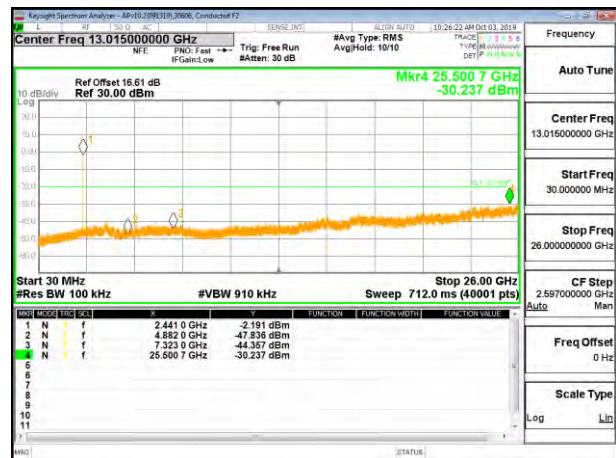
LOW CHANNEL BANDEDGE LAT 3



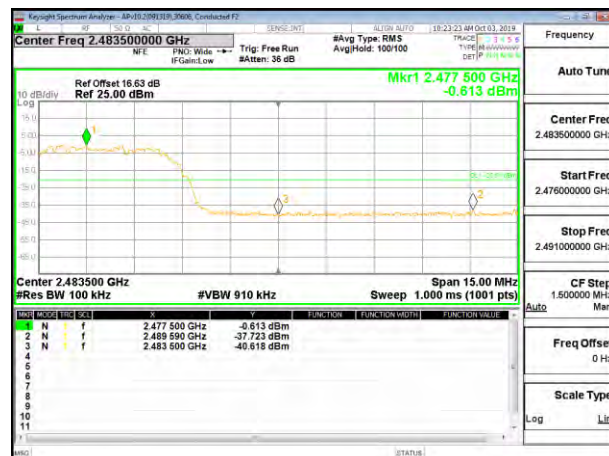
OUT-OF-BAND LOW CHANNEL LAT 3



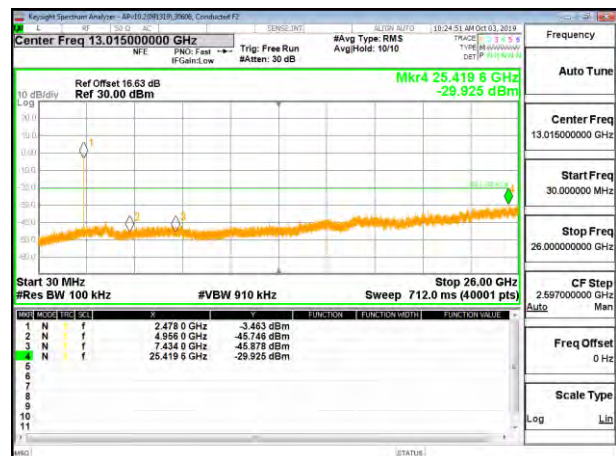
IN-BAND REFERENCE LEVEL LAT 3



OUT-OF-BAND MID CHANNEL LAT 3



HIGH CHANNEL BANDEDGE LAT 3



OUT-OF-BAND HIGH CHANNEL LAT 3

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.

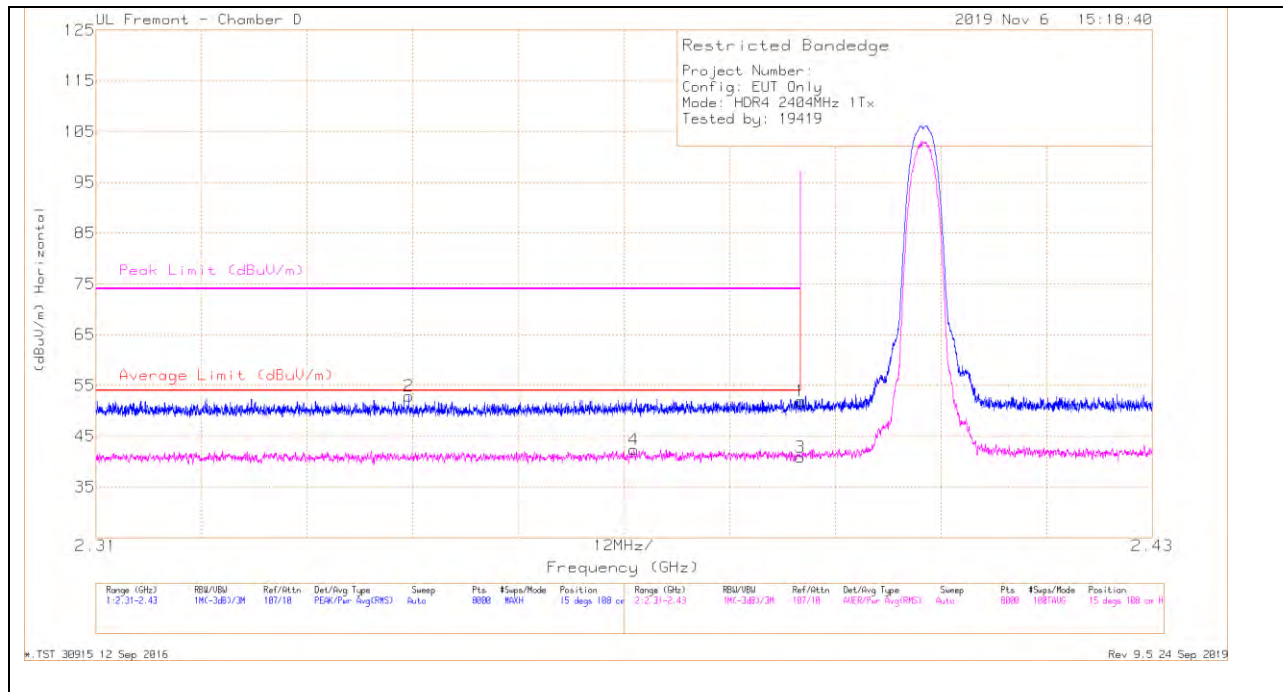
9.2. TRANSMITTER ABOVE 1 GHz

9.2.1. HIGH POWER HDR (HDR4)

UAT1

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

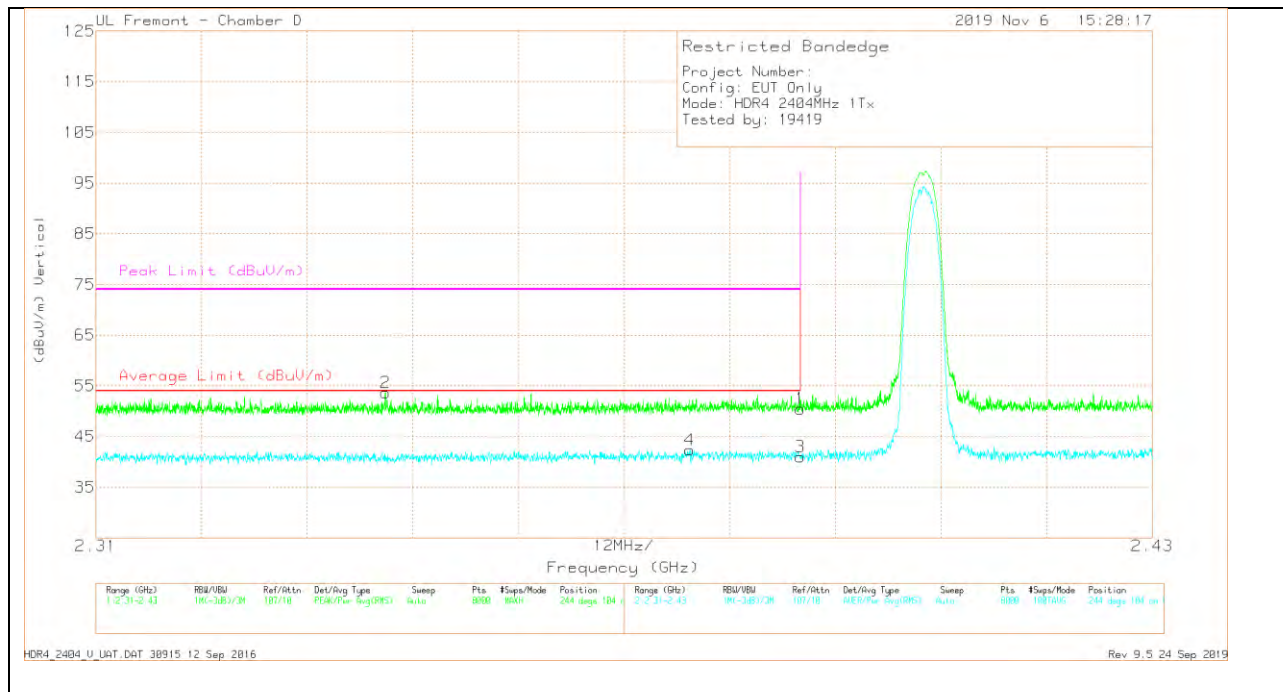


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.34554	41.71	Pk	31.8	-20.6	52.91	-	-	74	-21.09	15	108	H
4	* 2.3711	31.06	RMS	31.9	-20.6	42.36	54	-11.64	-	-	15	108	H
1	* 2.38999	40.37	Pk	32	-20.5	51.87	-	-	74	-22.13	15	108	H
3	* 2.38999	29.33	RMS	32	-20.5	40.83	54	-13.17	-	-	15	108	H

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

*.TST 30915 12 Sep 2016
Rev 9.5 24 Sep 2019

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cb/Filtr/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	* 2.34287	42.52	Pk	31.8	-20.7	53.62	-	-	74	-20.38	244	104	V
4	* 2.37748	30.9	RMS	31.9	-20.5	42.3	54	-11.7	-	-	244	104	V
1	* 2.38999	38.98	Pk	32	-20.5	50.48	-	-	74	-23.52	244	104	V
3	* 2.38999	29.44	RMS	32	-20.5	40.94	54	-13.06	-	-	244	104	V

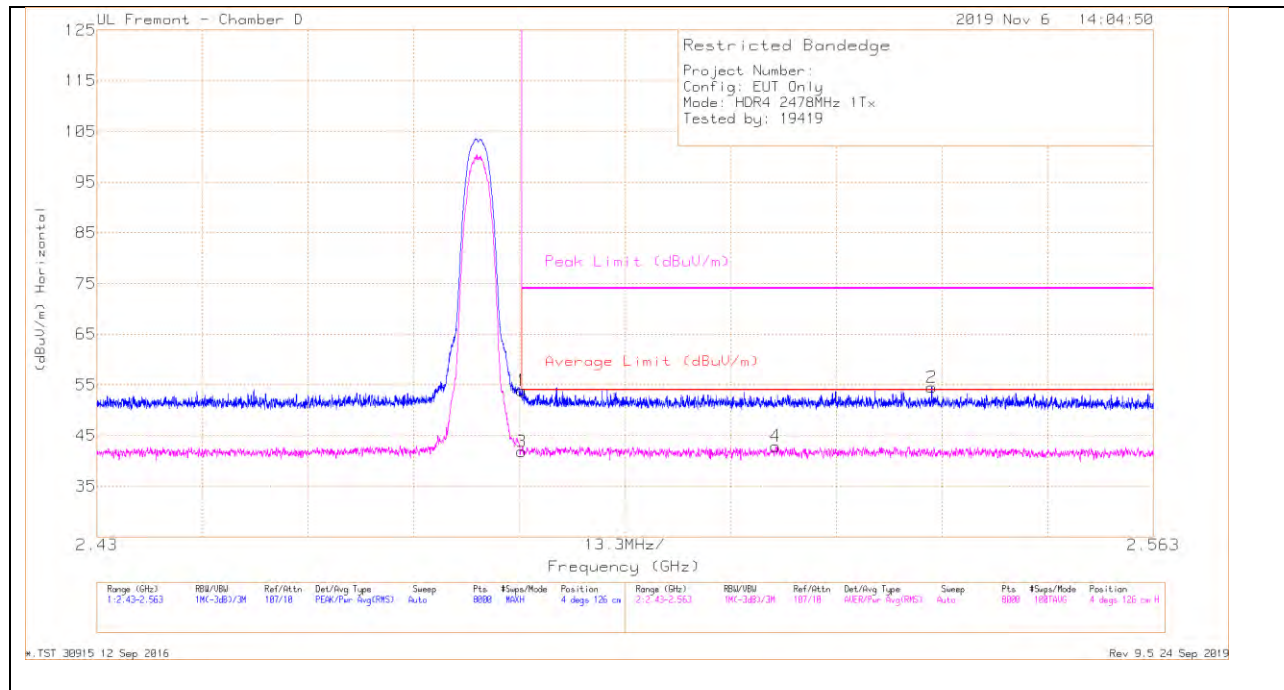
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HDR4_2404_V_UAT.DAT 30915 12 Sep 2016

Rev 9.5 24 Sep 2019

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (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	* 2.48351	41.99	Pk	32.4	-20.5	53.89	-	-	74	-20.11	4	126	H
3	* 2.48351	29.93	RMS	32.4	-20.5	41.83	54	-12.17	-	-	4	126	H
4	2.51546	31.1	RMS	32.3	-20.5	42.9	54	-11.1	-	-	4	126	H
2	2.5351	42.7	Pk	32.2	-20.4	54.5	-	-	74	-19.5	4	126	H

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

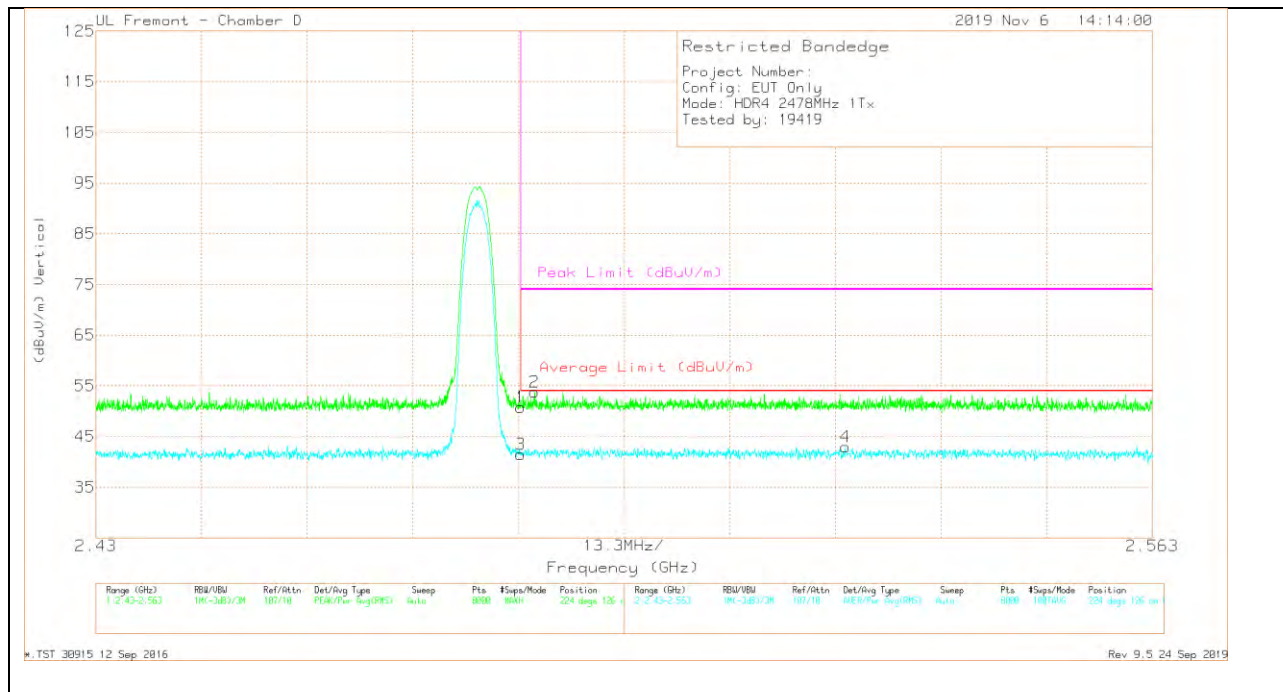
Pk - Peak detector

RMS - RMS detection

*.TST 30915 12 Sep 2016

Rev 9.5 24 Sep 2019

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cb1/Filtr/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	* 2.48351	38.93	Pk	32.4	-20.5	50.83	-	-	74	-23.17	224	126	V
3	* 2.48351	29.53	RMS	32.4	-20.5	41.43	54	-12.57	-	-	224	126	V
2	* 2.48525	41.92	Pk	32.3	-20.5	53.72	-	-	74	-20.28	224	126	V
4	2.52437	30.98	RMS	32.3	-20.3	42.98	54	-11.02	-	-	224	126	V

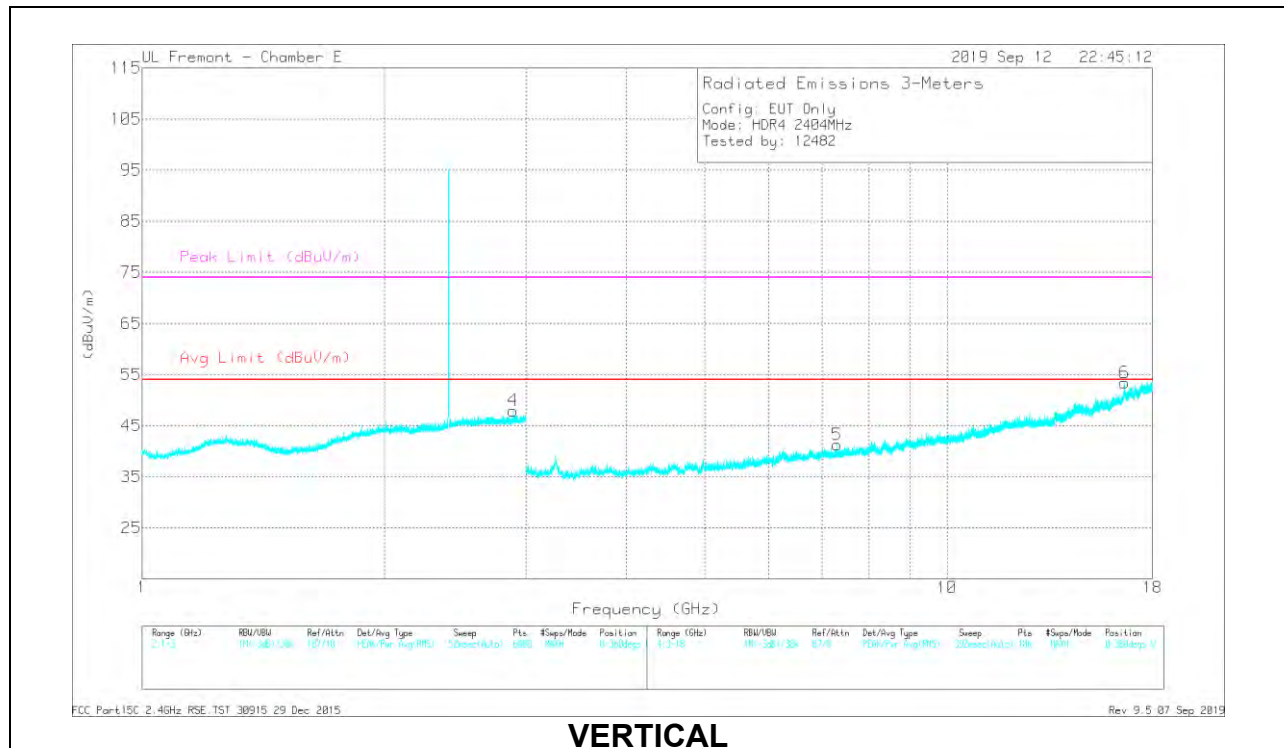
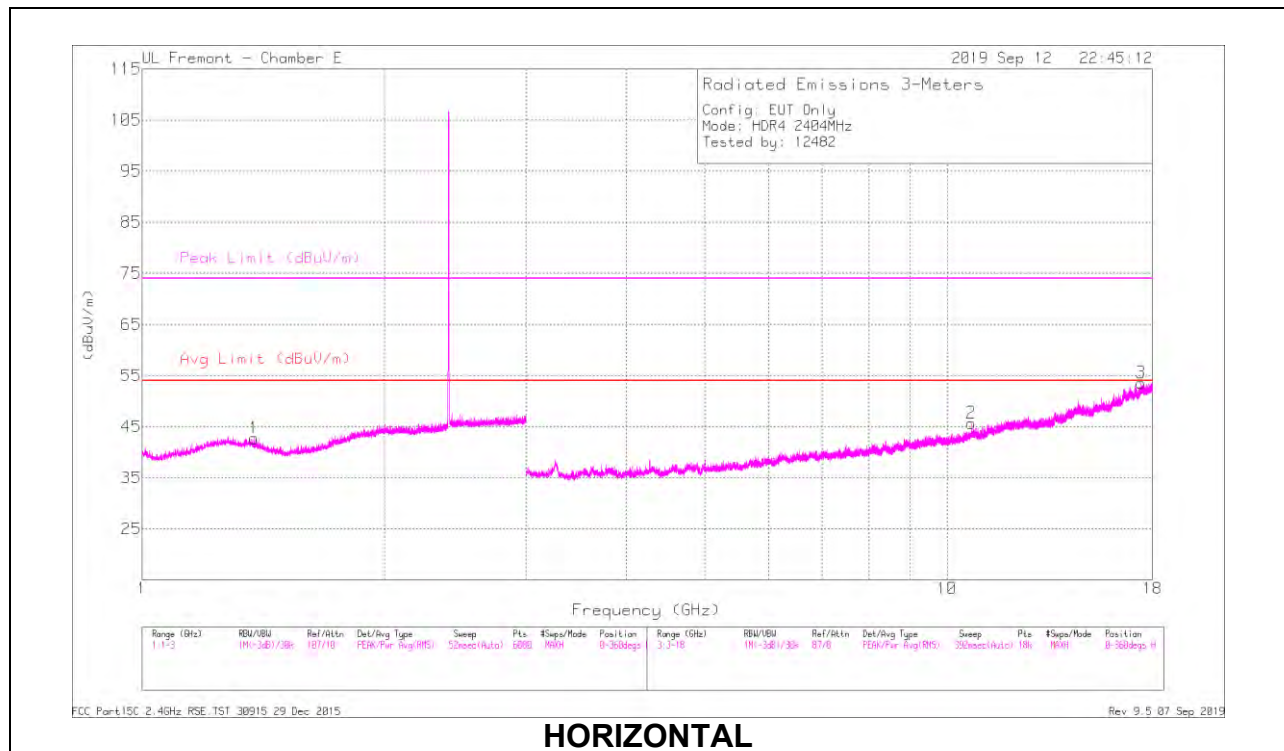
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

*.TST 30915 12 Sep 2016

Rev 9.5 24 Sep 2019

HARMONICS AND SPURIOUS EMISSIONS**LOW CHANNEL RESULTS**

RADIATED EMISSIONS

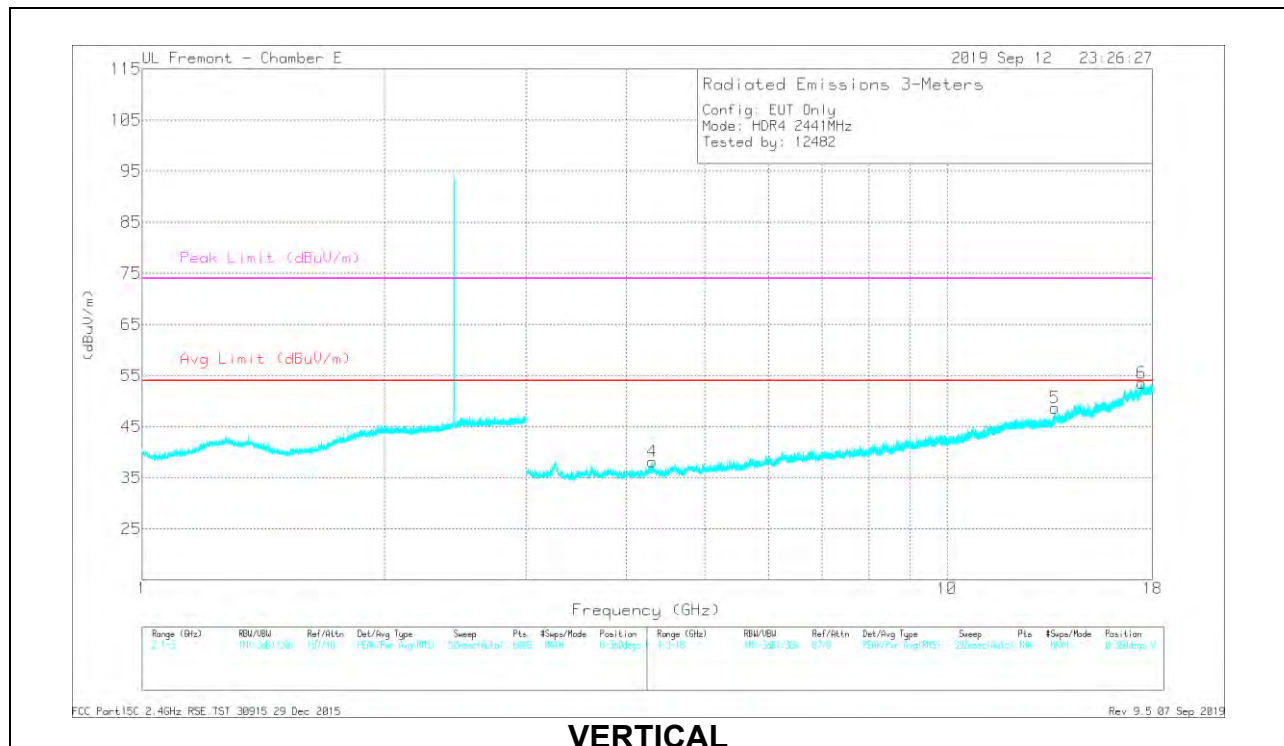
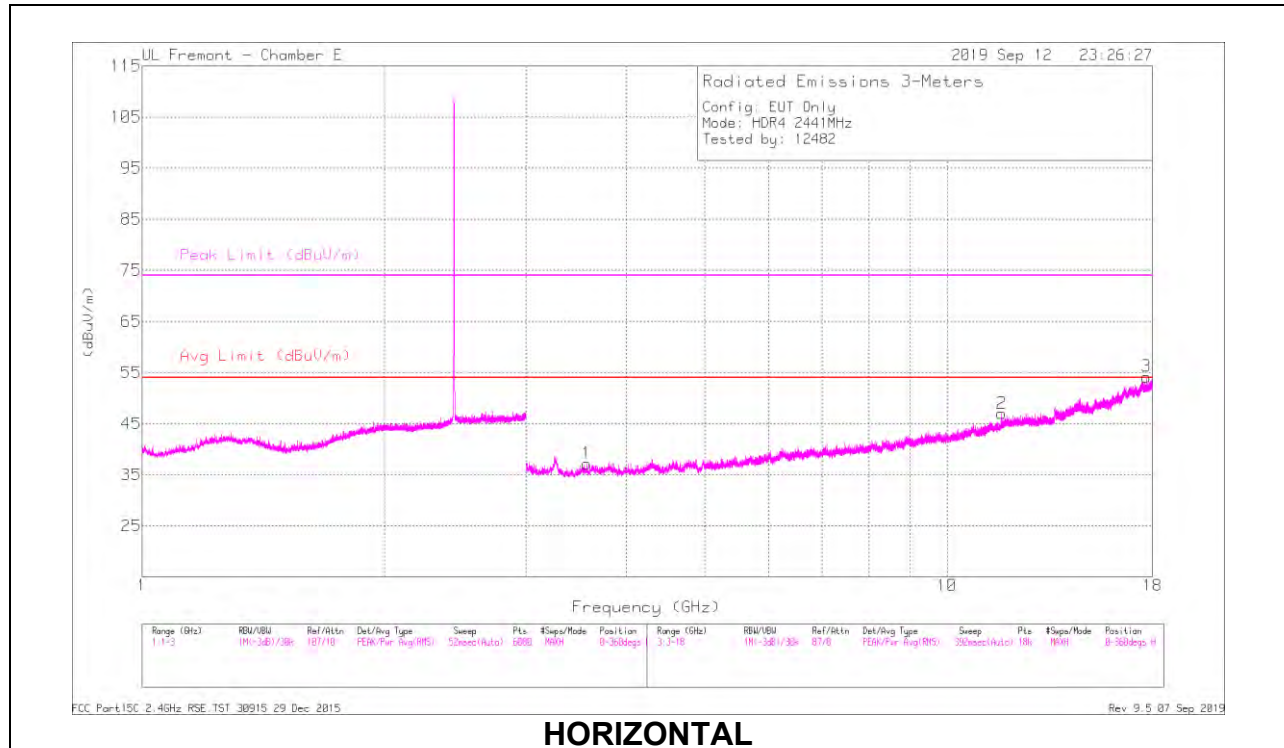
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT119 (dB/m)	Ampl/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.37617	46.19	PK2	29.5	-26.2	49.49	-	-	74	-24.51	224	157	H
	* 1.37789	34.38	MAv1	29.4	-26.2	37.58	54	-16.42	-	-	224	157	H
4	* 2.88876	46.71	PK2	33	-25.8	53.91	-	-	74	-20.09	356	115	V
	* 2.89002	34.98	MAv1	33	-25.8	42.18	54	-11.82	-	-	356	115	V
2	* 10.72166	37	PK2	37.9	-24	50.9	-	-	74	-23.1	127	225	H
	* 10.72296	26.3	MAv1	37.9	-24	40.2	54	-13.8	-	-	127	225	H
5	* 7.29801	38.61	PK2	35.6	-27.1	47.11	-	-	74	-26.89	206	251	V
	* 7.29909	27.06	MAv1	35.6	-27.1	35.56	54	-18.44	-	-	206	251	V
6	16.61228	35.54	PK2	41.2	-17.5	59.24	-	-	-	-	22	271	V
3	17.43023	35.88	PK2	41.5	-17	60.38	-	-	-	-	131	161	H

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS



RADIATED EMISSIONS

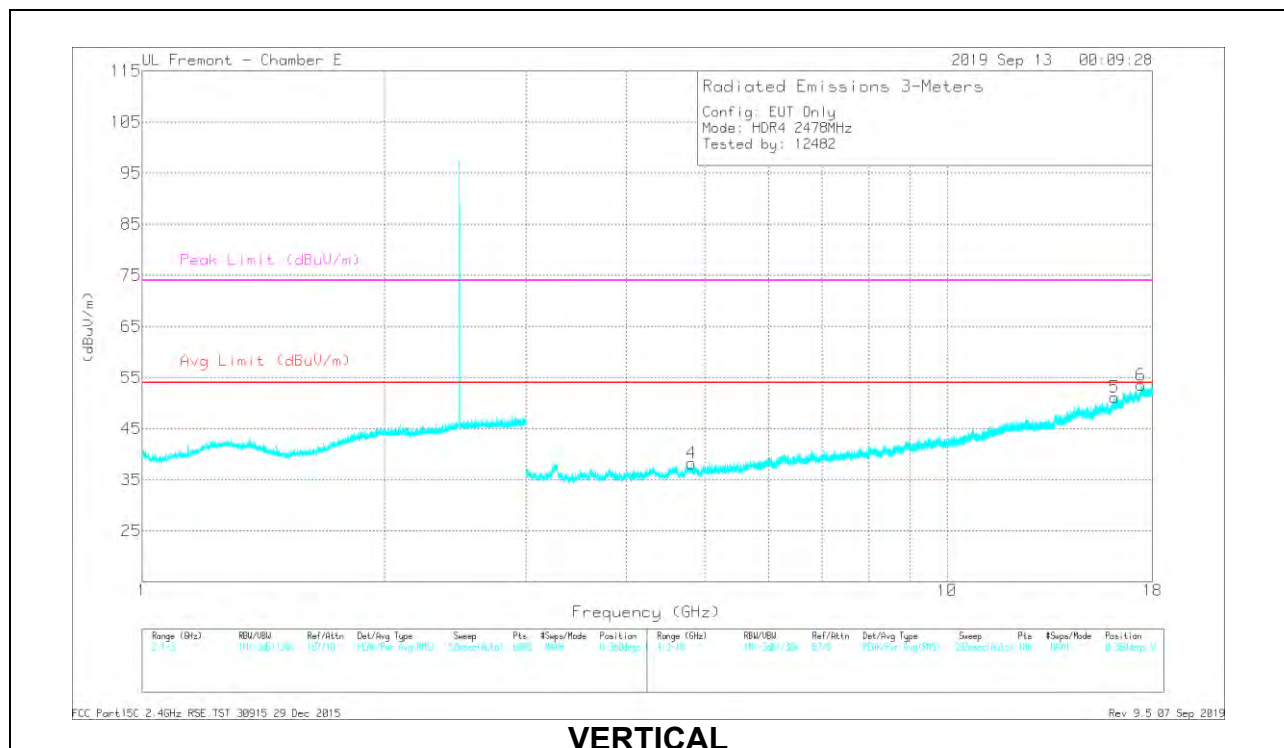
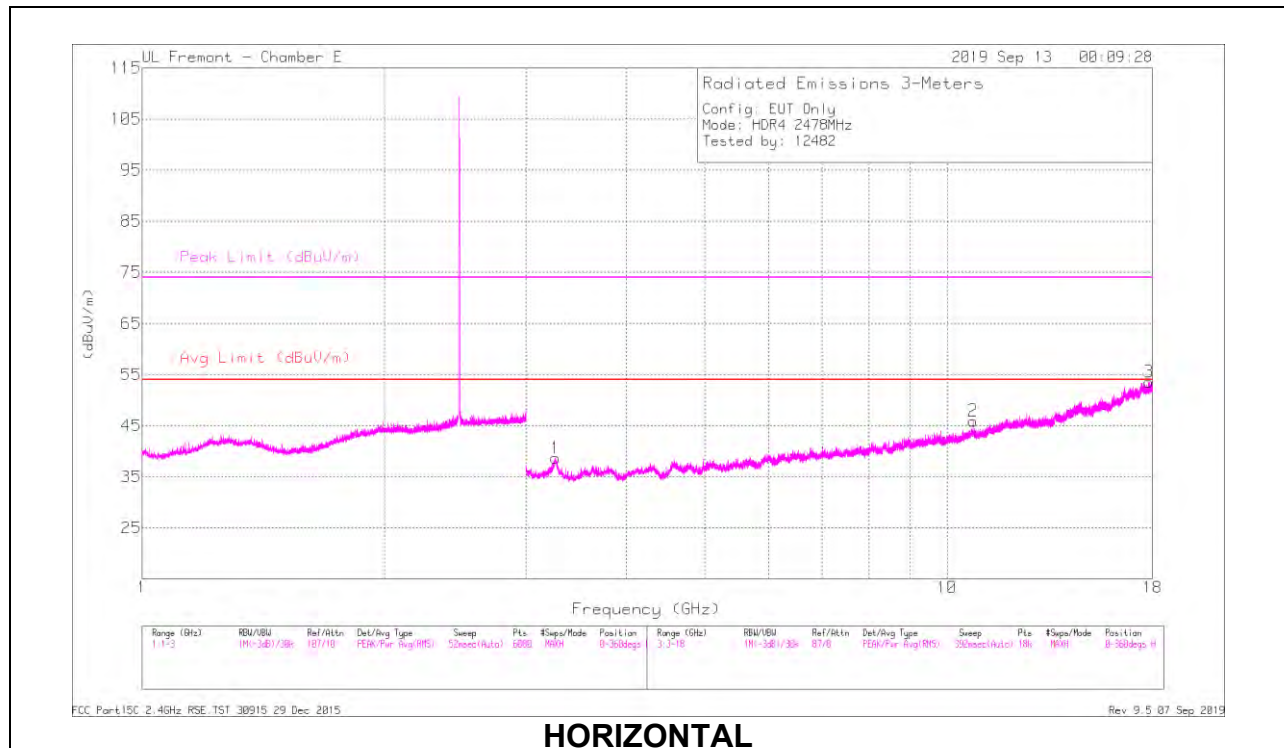
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT119 (dB/m)	Ampl/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.56675	44.12	PK2	33.2	-33	44.32	-	-	74	-29.68	88	227	H
	* 3.56851	32.55	MAv1	33.2	-33	32.75	54	-21.25	-	-	88	227	H
2	* 11.69121	36.7	PK2	38.8	-22.3	53.2	-	-	74	-20.8	339	111	H
	* 11.69275	24.33	MAv1	38.8	-22.3	40.83	54	-13.17	-	-	339	111	H
4	* 4.3045	42.08	PK2	33.6	-31.3	44.38	-	-	74	-29.62	177	198	V
	* 4.3049	31.25	MAv1	33.6	-31.3	33.55	54	-20.45	-	-	177	198	V
5	13.61766	36.74	PK2	38.6	-20.3	55.04	-	-	-	-	311	286	V
6	17.43917	35.29	PK2	41.5	-17	59.79	-	-	-	-	304	137	V
3	17.69431	35.18	PK2	41.8	-17.4	59.58	-	-	-	-	265	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



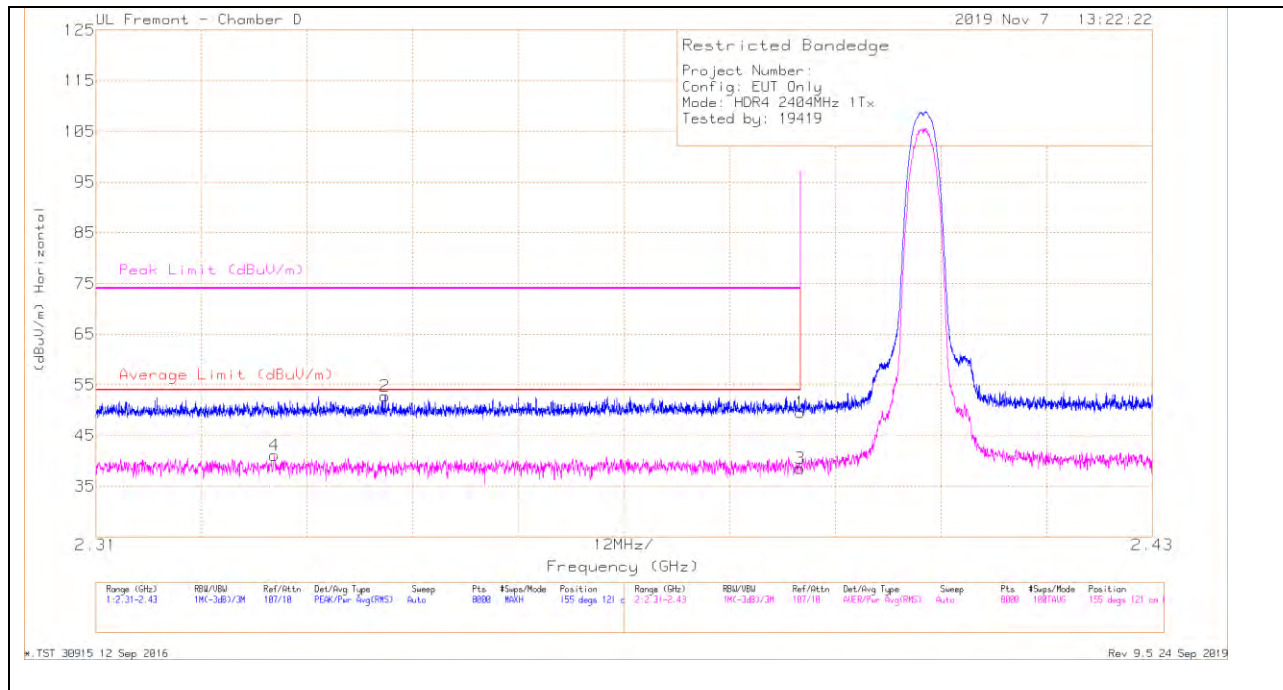
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT119 (dB/m)	Ampl/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 10.76943	36.81	PK2	38	-23.5	51.31	-	-	74	-22.69	266	173	H
	* 10.76971	25.98	MAv1	38	-23.5	40.48	54	-13.52	-	-	266	173	H
3	* 17.80515	36.05	PK2	41.8	-17.3	60.55	-	-	74	-13.45	14	392	H
	* 17.80607	24.14	MAv1	41.8	-17.3	48.64	54	-5.36	-	-	14	392	H
4	* 4.81434	42.13	PK2	34.1	-31	45.23	-	-	74	-28.77	158	288	V
	* 4.81299	30.41	MAv1	34.1	-31	33.51	54	-20.49	-	-	158	288	V
5	* 16.14816	35.4	PK2	40.3	-18.5	57.2	-	-	74	-16.8	325	147	V
	* 16.14581	24.62	MAv1	40.3	-18.5	46.42	54	-7.58	-	-	325	147	V
1	3.25992	45.81	PK2	35.1	-34.1	46.81	-	-	-	-	334	187	H
6	17.42065	35.31	PK2	41.5	-17.2	59.61	-	-	-	-	150	236	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**BANEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/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	* 2.33027	29.99	RMS	31.7	-20.6	41.09	54	-12.91	-	-	155	121	H
2	* 2.34285	41.72	Pk	31.8	-20.7	52.82	-	-	74	-21.18	155	121	H
1	* 2.38999	38.08	Pk	32	-20.5	49.58	-	-	74	-24.42	155	121	H
3	* 2.38999	26.98	RMS	32	-20.5	38.48	54	-15.52	-	-	155	121	H

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

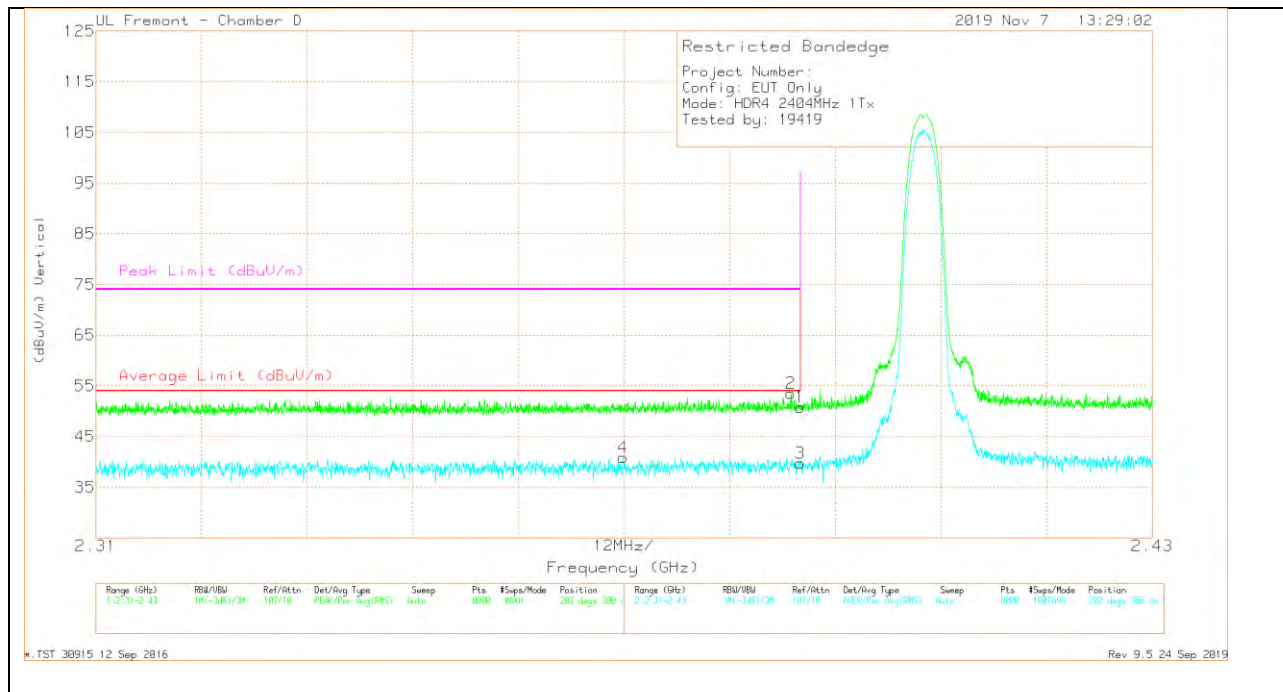
Pk - Peak detector

RMS - RMS detection

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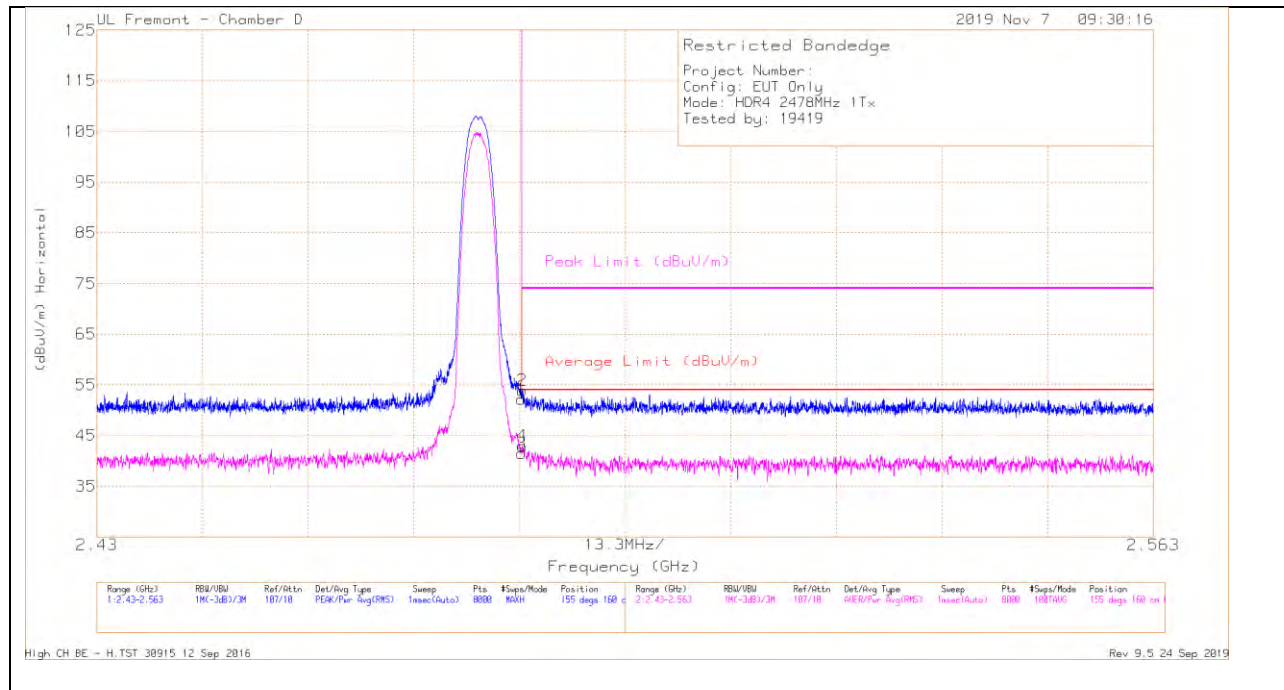
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cb/Filtr/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	* 2.36989	29.58	RMS	31.9	-20.6	40.88	54	-13.12	-	-	202	388	V
2	* 2.38897	42	Pk	32	-20.5	53.5	-	-	74	-20.5	202	388	V
1	* 2.38999	39.35	Pk	32	-20.5	50.85	-	-	74	-23.15	202	388	V
3	* 2.38999	28.23	RMS	32	-20.5	39.73	54	-14.27	-	-	202	388	V

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

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BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (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	* 2.48351	40.29	Pk	32.4	-20.5	52.19	-	-	74	-21.81	155	160	H
2	* 2.48359	41.96	Pk	32.4	-20.5	53.86	-	-	74	-20.14	155	160	H
3	* 2.48351	29.54	RMS	32.4	-20.5	41.44	54	-12.56	-	-	155	160	H
4	* 2.48357	31.02	RMS	32.4	-20.5	42.92	54	-11.08	-	-	155	160	H

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

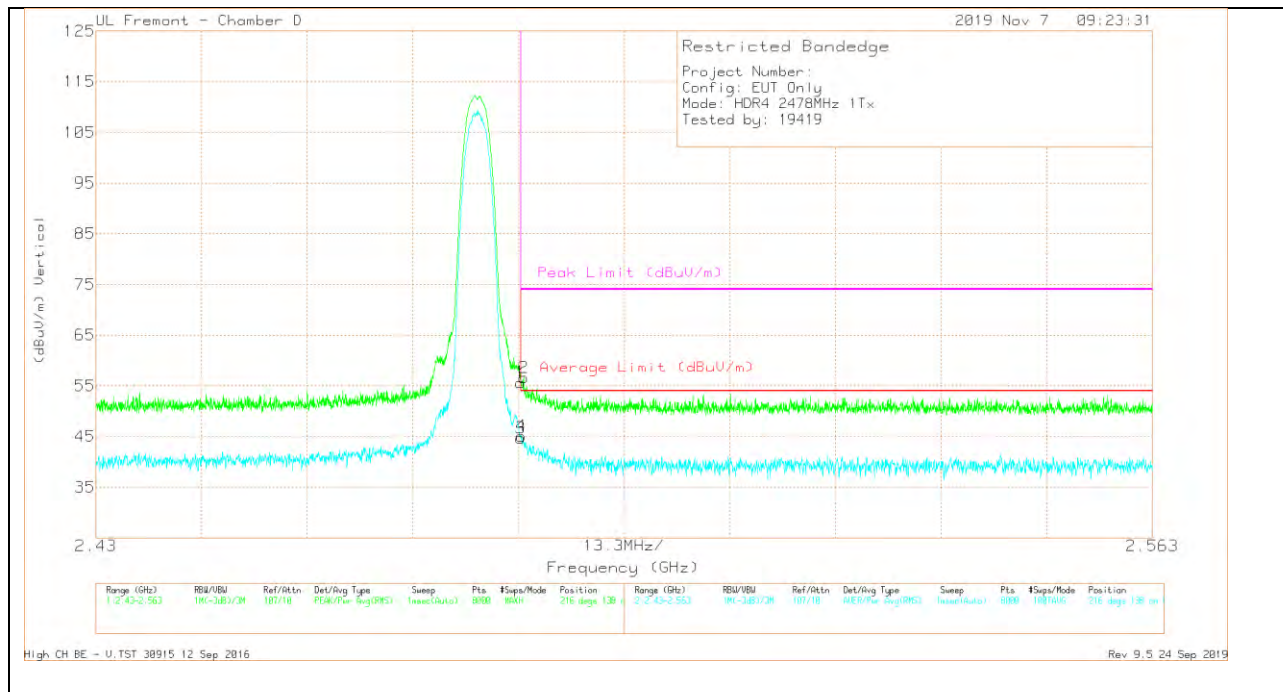
Pk - Peak detector

RMS - RMS detection

High CH BE - H.TST 30915 12 Sep 2016

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VERTICAL RESULT



Marker	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	43.79	Pk	32.4	-20.5	55.69	-	-	74	-18.31	216	138	V
2	* 2.48384	44.77	Pk	32.4	-20.5	56.67	-	-	74	-17.33	216	138	V
3	* 2.48351	32.83	RMS	32.4	-20.5	44.73	54	-9.27	-	-	216	138	V
4	* 2.48354	33.13	RMS	32.4	-20.5	45.03	54	-8.97	-	-	216	138	V

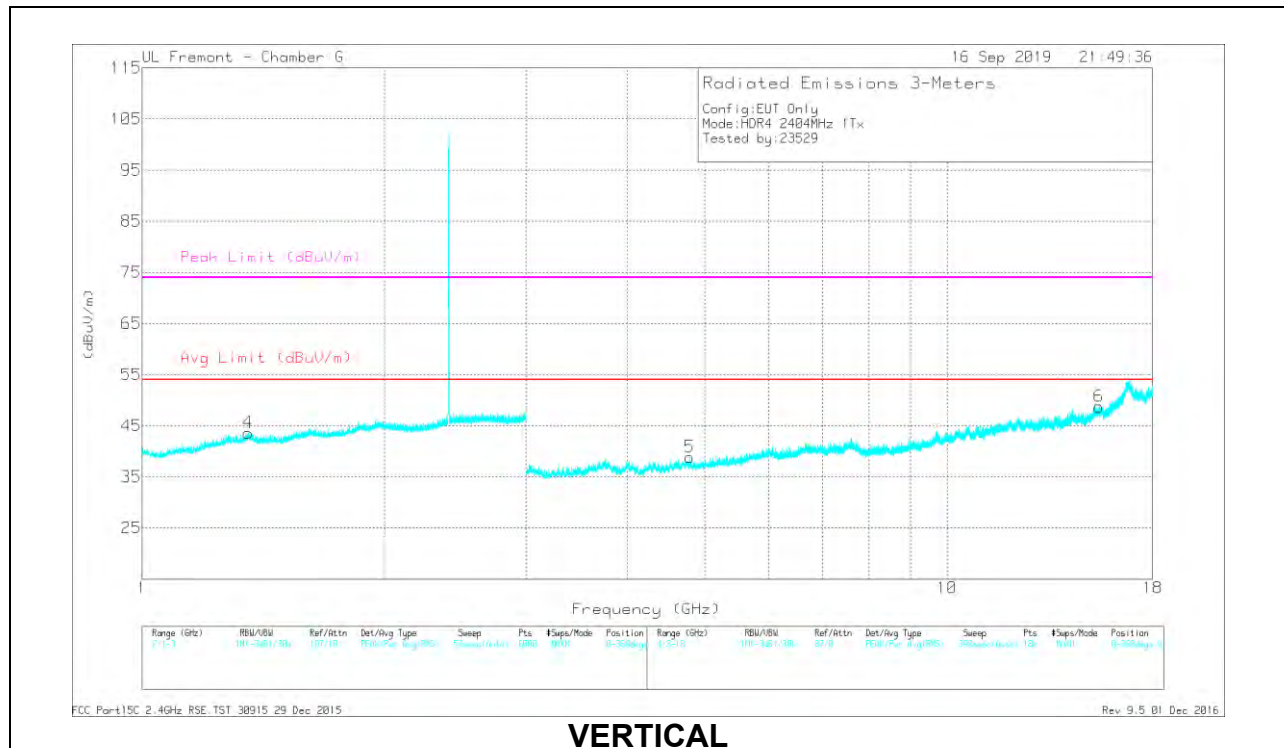
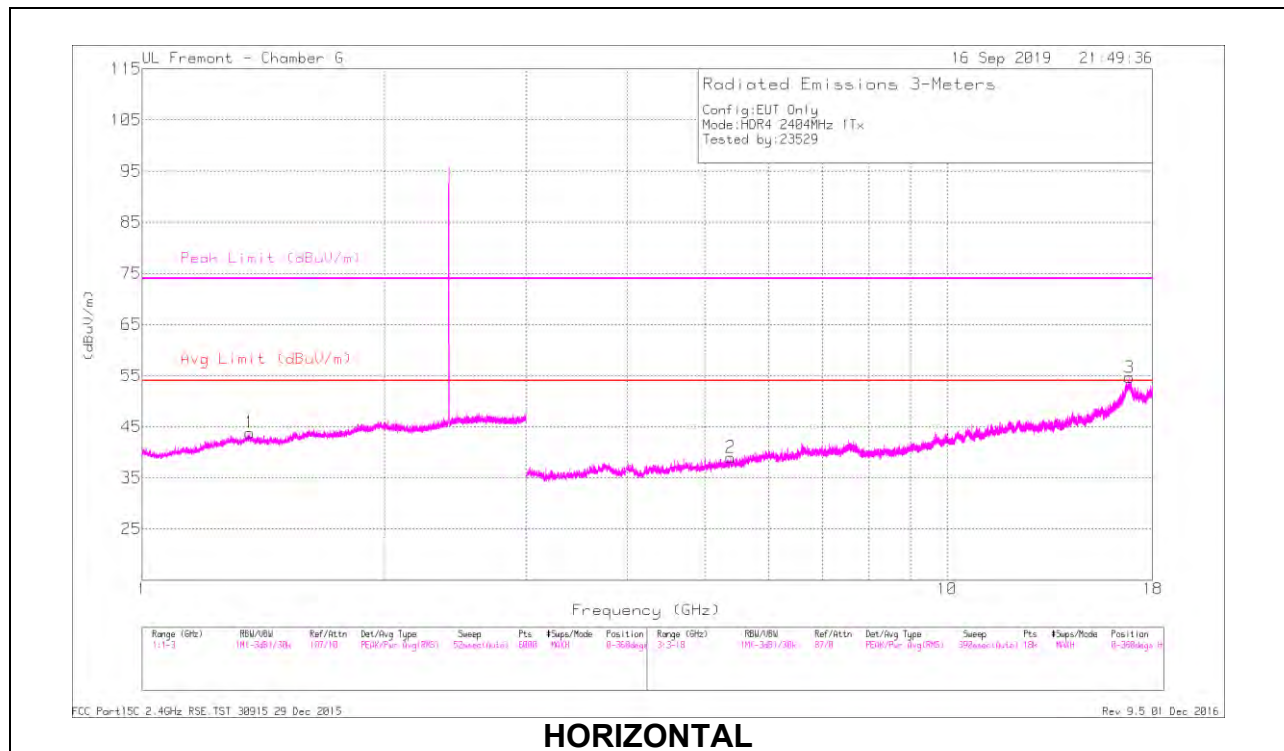
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

High CH BE - V.TST 30915 12 Sep 2016

Rev 9.5 24 Sep 2019

HARMONICS AND SPURIOUS EMISSIONS**LOW CHANNEL RESULTS**

RADIATED EMISSIONS

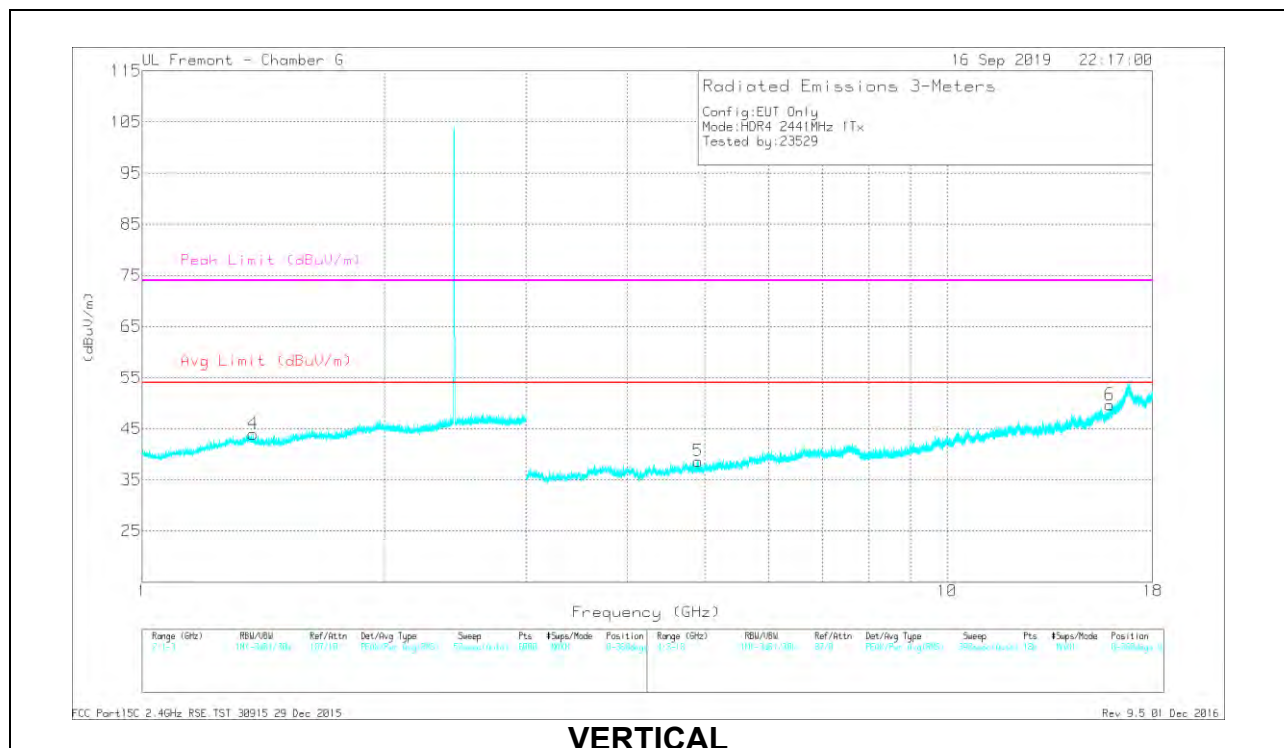
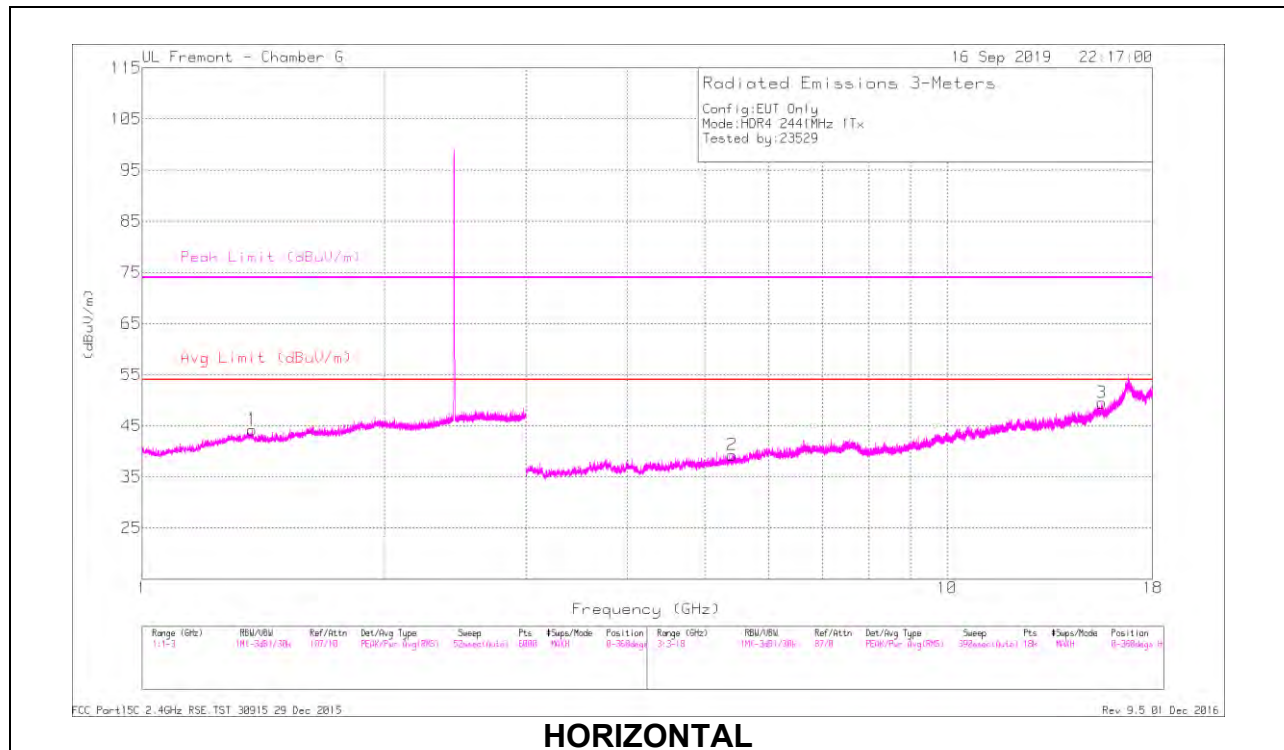
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.36	45.16	PK2	29.7	-23.3	51.56	-	-	74	-22.44	35	236	H
	* 1.36	32.73	MAv1	29.7	-23.3	39.13	54	-14.87	-	-	35	236	H
2	* 5.385	40.01	PK2	34.6	-28.9	45.71	-	-	74	-28.29	231	183	H
	* 5.383	28.9	MAv1	34.6	-29	34.5	54	-19.5	-	-	231	183	H
3	16.845	36.31	PK2	41.7	-17.6	60.41	-	-	74	-13.59	334	286	H
4	* 1.354	44.17	PK2	29.8	-23.3	50.67	-	-	74	-23.33	272	187	V
	* 1.354	32.37	MAv1	29.8	-23.3	38.87	54	-15.13	-	-	272	187	V
5	* 4.792	41.06	PK2	34.1	-29.8	45.36	-	-	74	-28.64	246	210	V
	* 4.793	29.52	MAv1	34.1	-29.8	33.82	54	-20.18	-	-	246	210	V
6	* 15.434	36.46	PK2	41.1	-22.7	54.86	-	-	74	-19.14	176	178	V
	* 15.43	25.28	MAv1	41.1	-22.8	43.58	54	-10.42	-	-	176	178	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

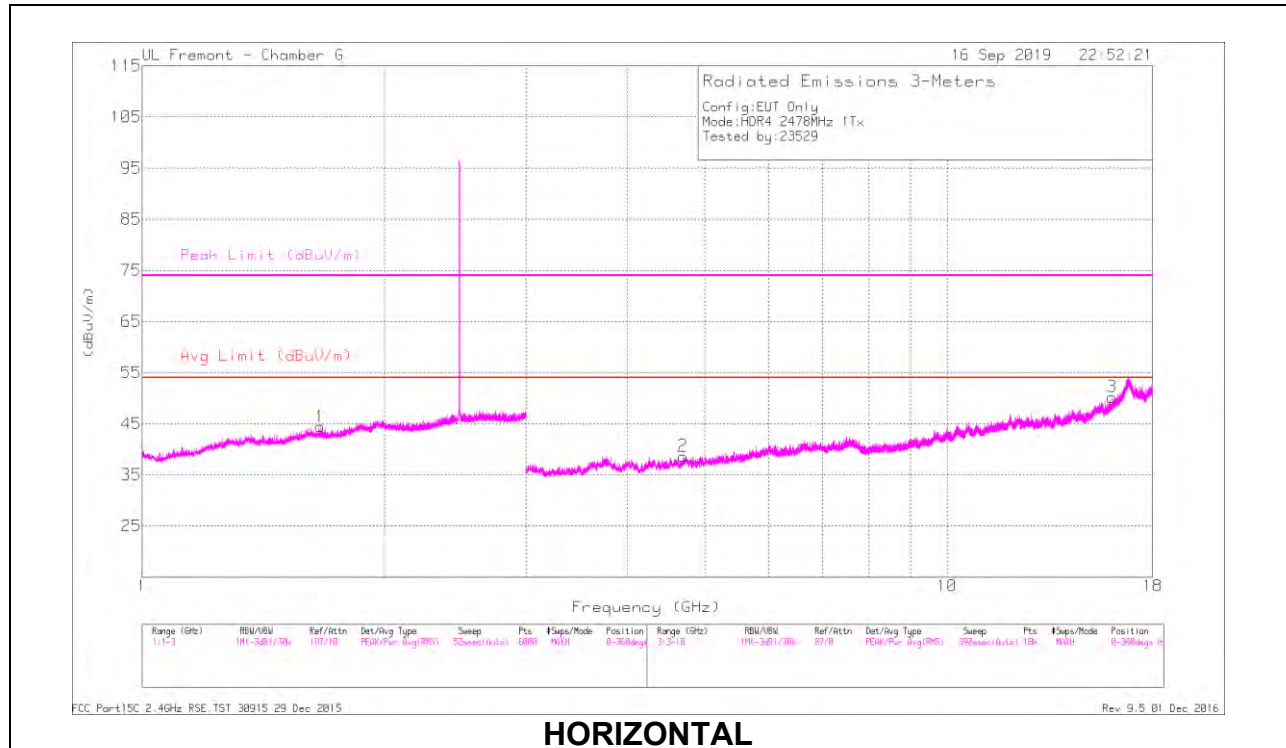
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.37	44.38	PK2	29.7	-23.2	50.88	-	-	74	-23.12	260	137	H
	* 1.368	32.68	MAv1	29.8	-23.2	39.28	54	-14.72	-	-	260	137	H
4	* 1.371	43.99	PK2	29.7	-23.2	50.49	-	-	74	-23.51	169	206	V
	* 1.372	32.35	MAv1	29.6	-23.2	38.75	54	-15.25	-	-	169	206	V
2	* 5.408	40.51	PK2	34.6	-29.1	46.01	-	-	74	-27.99	218	189	H
	* 5.409	28.87	MAv1	34.6	-29.1	34.37	54	-19.63	-	-	218	189	H
3	* 15.581	37.73	PK2	40.9	-22.5	56.13	-	-	74	-17.87	233	183	H
	* 15.58	26.33	MAv1	40.9	-22.5	44.73	54	-9.27	-	-	233	183	H
5	* 4.907	40.45	PK2	34	-29.6	44.85	-	-	74	-29.15	319	266	V
	* 4.906	29.2	MAv1	34	-29.6	33.6	54	-20.4	-	-	319	266	V
6	* 15.933	37.58	PK2	40.9	-21.9	56.58	-	-	74	-17.42	78	224	V
	* 15.934	26.16	MAv1	40.9	-21.9	45.16	54	-8.84	-	-	78	224	V

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

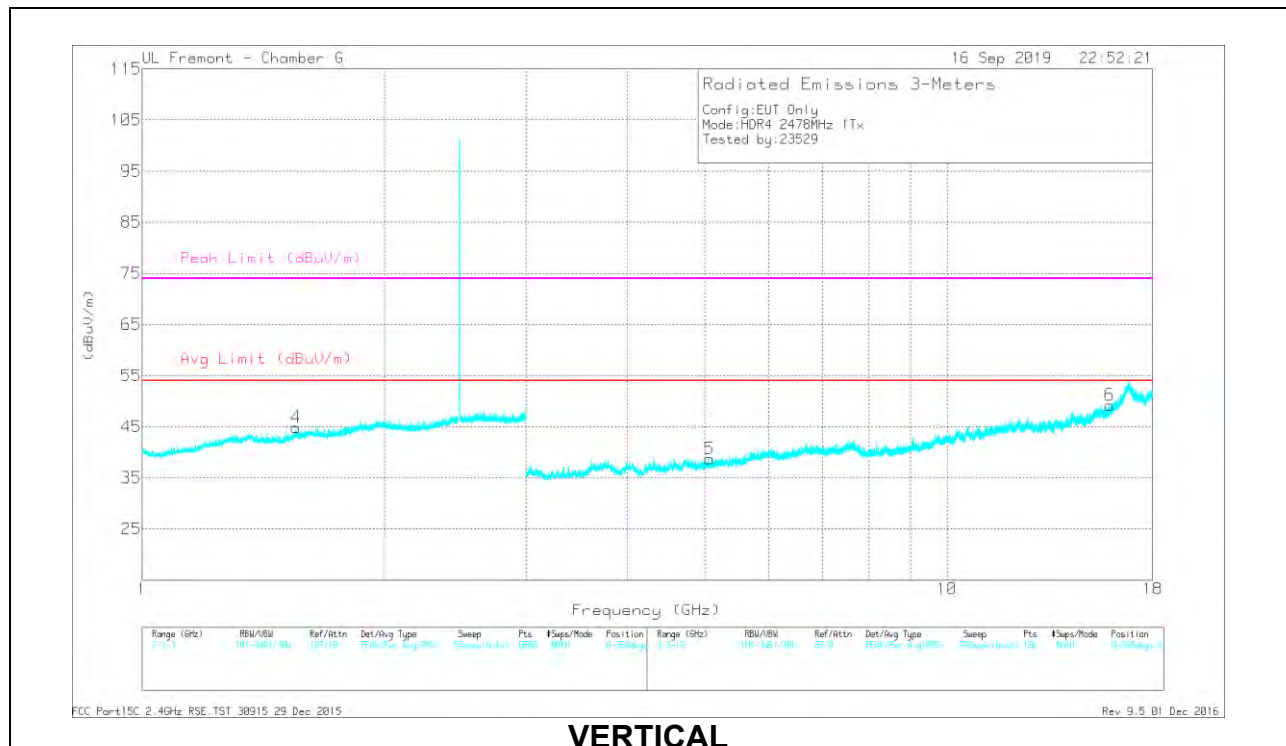
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF 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	* 1.665	44.34	PK2	29	-21.5	51.84	-	-	74	-22.16	135	196	H
	* 1.662	32.24	MAv1	29	-21.5	39.74	54	-14.26	-	-	135	196	H
4	* 1.554	43.57	PK2	28.7	-21.4	50.87	-	-	74	-23.13	221	185	V
	* 1.554	32.19	MAv1	28.7	-21.4	39.49	54	-14.51	-	-	221	185	V
2	* 4.698	41.68	PK2	34	-29.5	46.18	-	-	74	-27.82	260	212	H
	* 4.698	30.2	MAv1	34	-29.5	34.7	54	-19.3	-	-	260	212	H
3	* 16.046	37.22	PK2	41.1	-21.9	56.42	-	-	74	-17.58	224	254	H
	* 16.044	26.07	MAv1	41.1	-21.9	45.27	54	-8.73	-	-	224	254	H
5	* 5.067	40.49	PK2	34.2	-29.3	45.39	-	-	74	-28.61	325	209	V
	* 5.065	29.74	MAv1	34.2	-29.3	34.64	54	-19.36	-	-	325	209	V
6	* 15.922	37.48	PK2	40.9	-22	56.38	-	-	74	-17.62	25	148	V
	* 15.925	26.33	MAv1	40.9	-21.9	45.33	54	-8.67	-	-	25	148	V

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

PK2 - KDB558074 Method: Maximum Peak

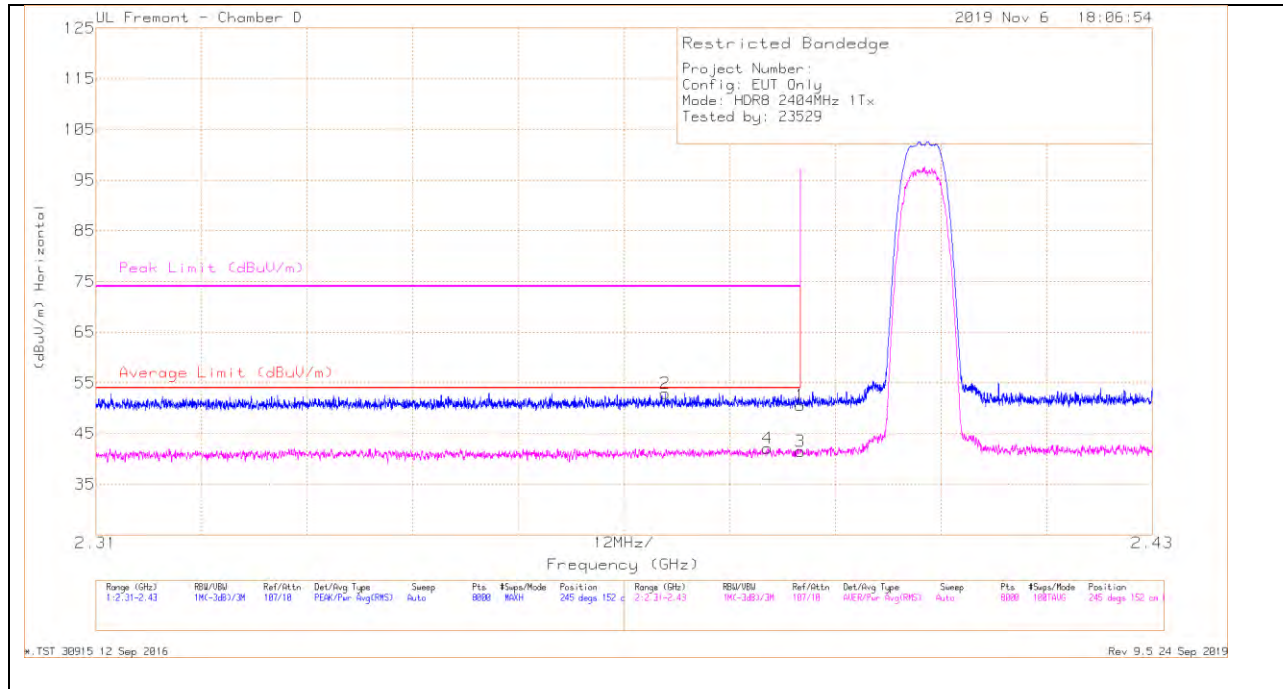
MAv1 - KDB558074 Option 1 Maximum RMS Average

9.2.2. HIGH POWER HDR (HDR8)

UAT1

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/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	* 2.37467	41.64	Pk	31.9	-20.6	52.94	-	-	74	-21.06	245	152	H
4	* 2.38633	30.74	RMS	32	-20.6	42.14	54	-11.86	-	-	245	152	H
1	* 2.38999	39.02	Pk	32	-20.5	50.52	-	-	74	-23.48	245	152	H
3	* 2.38999	29.95	RMS	32	-20.5	41.45	54	-12.55	-	-	245	152	H

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

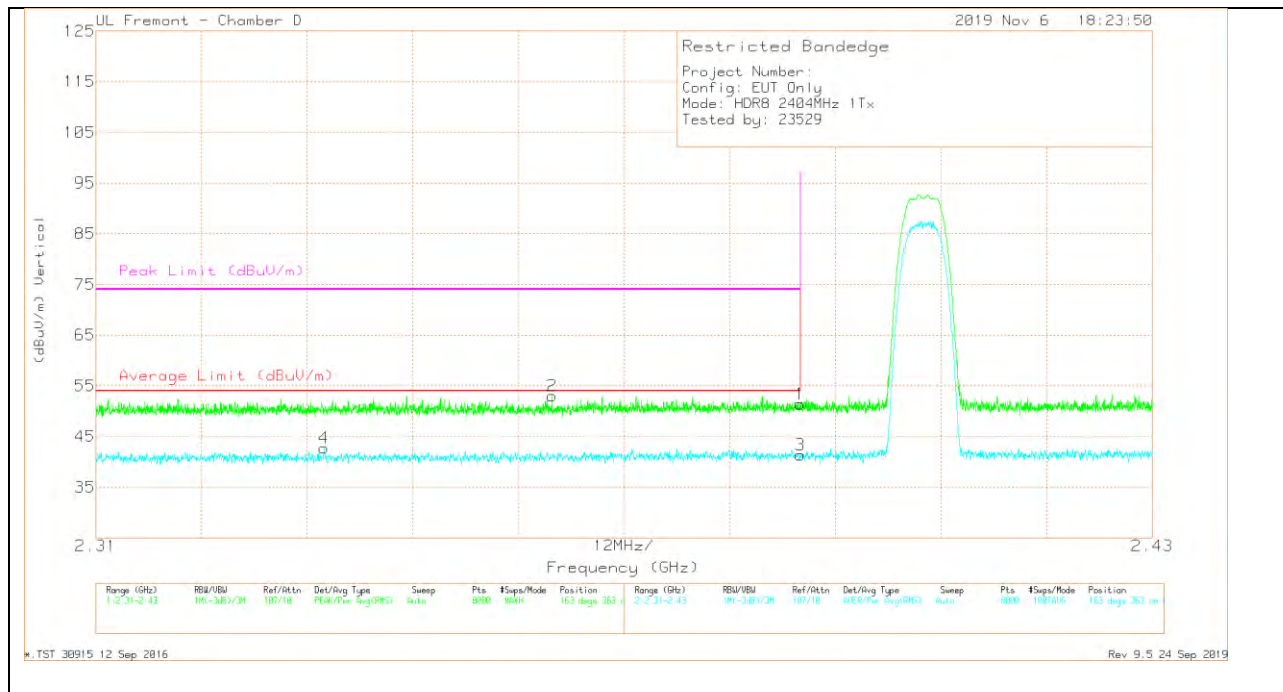
Pk - Peak detector

RMS - RMS detection

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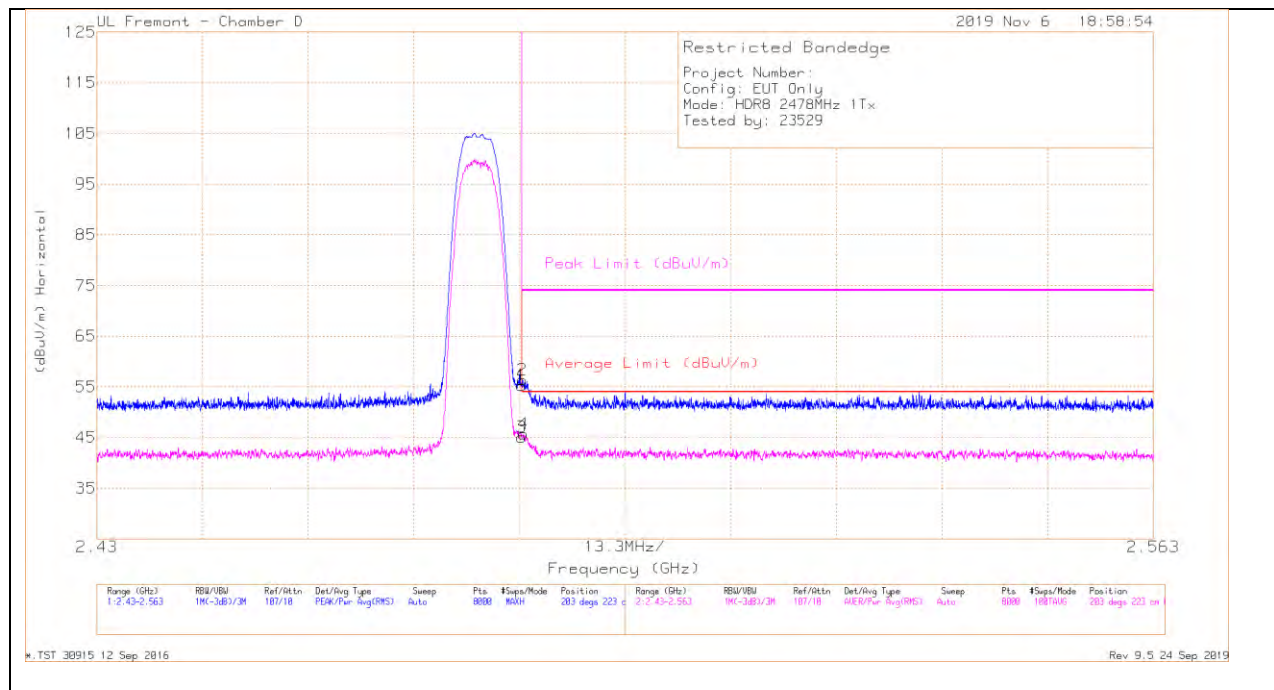
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cb/Filtr/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	* 2.33591	31.57	RMS	31.8	-20.6	42.77	54	-11.23	-	-	163	363	V
2	* 2.36182	41.84	Pk	31.8	-20.6	53.04	-	-	74	-20.96	163	363	V
1	* 2.38999	39.87	Pk	32	-20.5	51.37	-	-	74	-22.63	163	363	V
3	* 2.38999	29.9	RMS	32	-20.5	41.4	54	-12.6	-	-	163	363	V

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

*.TST 30915 12 Sep 2016
Rev 9.5 24 Sep 2019

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	43.37	Pk	32.4	-20.5	55.27	-	-	74	-16.73	203	223	H
2	* 2.48359	44.51	Pk	32.4	-20.5	56.41	-	-	74	-17.59	203	223	H
3	* 2.48351	33.14	RMS	32.4	-20.5	45.04	54	-8.96	-	-	203	223	H
4	* 2.48371	33.8	RMS	32.4	-20.5	45.7	54	-8.3	-	-	203	223	H

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

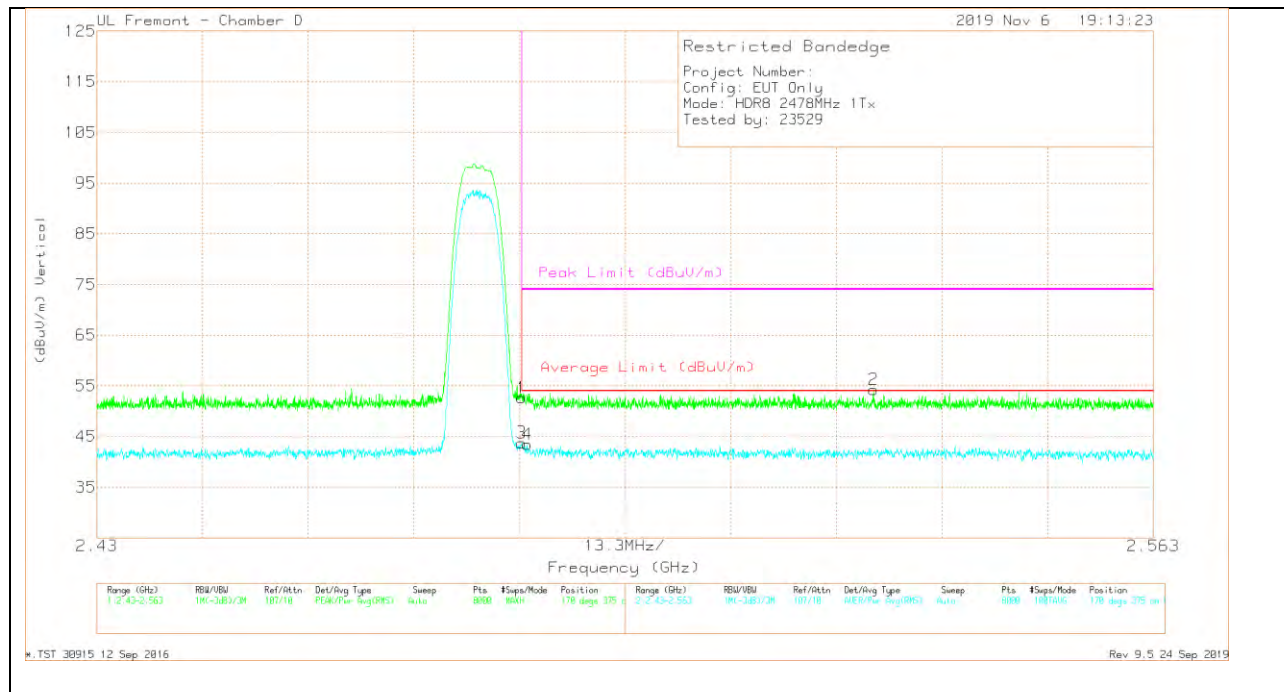
Pk - Peak detector

RMS - RMS detection

* TST 30915 12 Sep 2016

Rev 9.5 24 Sep 2019

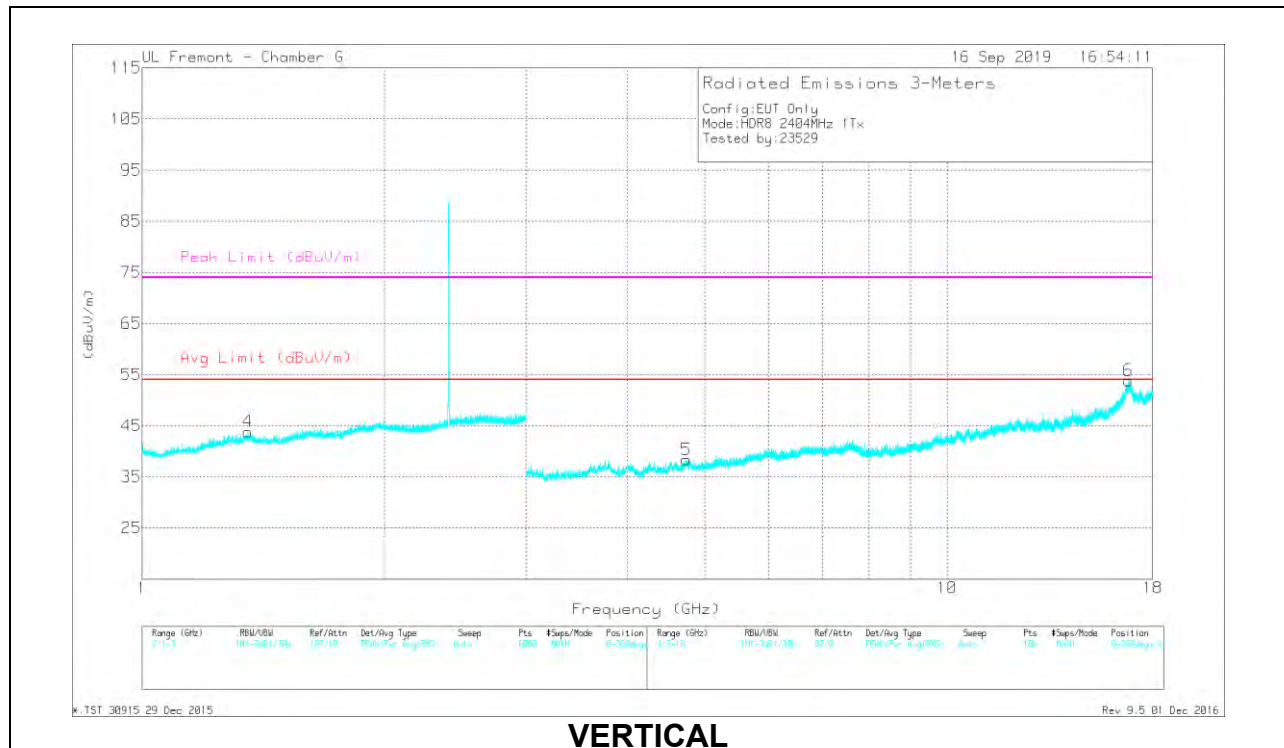
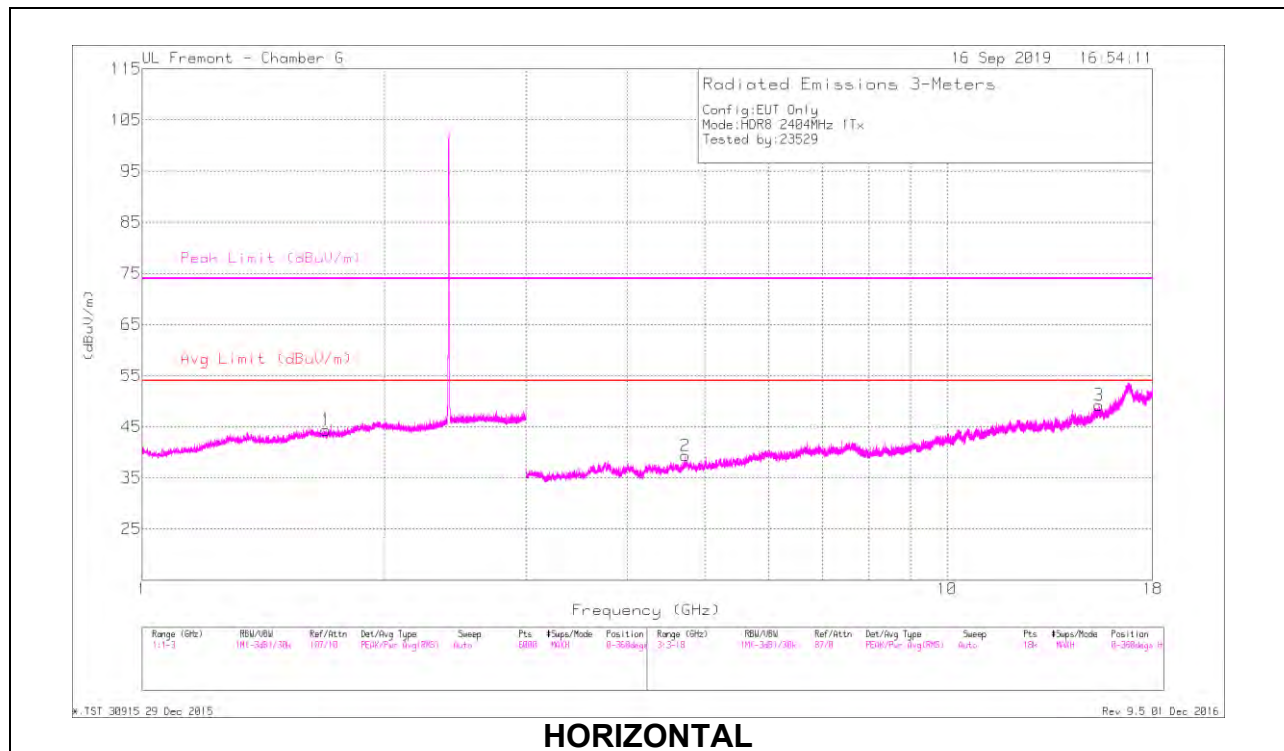
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cb/Filtr/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	* 2.48351	40.79	Pk	32.4	-20.5	52.69	-	-	74	-21.31	170	375	V
3	* 2.48351	31.87	RMS	32.4	-20.5	43.77	54	-10.23	-	-	170	375	V
4	* 2.48417	31.71	RMS	32.3	-20.5	43.51	54	-10.49	-	-	170	375	V
2	2.52777	42.4	Pk	32.3	-20.4	54.3	-	-	74	-19.7	170	375	V

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

*.TST 30915 12 Sep 2016
Rev 9.5 24 Sep 2019

HARMONICS AND SPURIOUS EMISSIONS**LOW CHANNEL RESULTS**

RADIATED EMISSIONS

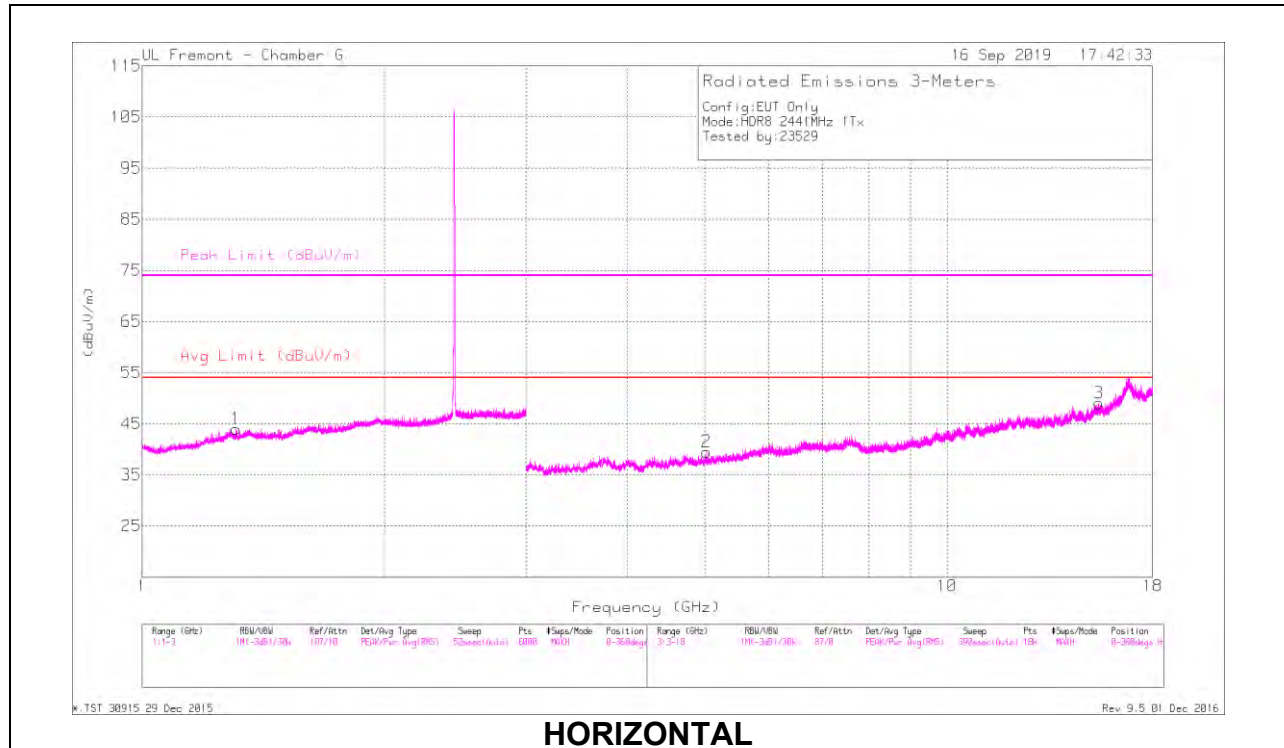
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.692	44.51	PK2	29.1	-21.7	51.91	-	-	74	-22.09	264	159	H
	* 1.692	31.92	MAv1	29.1	-21.7	39.32	54	-14.68	-	-	264	159	H
4	* 1.352	43.7	PK2	29.8	-23.3	50.2	-	-	74	-23.8	316	207	V
	* 1.351	32.6	MAv1	29.8	-23.3	39.1	54	-14.9	-	-	316	207	V
2	* 4.73	40.61	PK2	34.1	-29.5	45.21	-	-	74	-28.79	111	287	H
	* 4.732	29.3	MAv1	34	-29.6	33.7	54	-20.3	-	-	111	287	H
3	* 15.449	37.35	PK2	41.1	-22.9	55.55	-	-	74	-18.45	180	187	H
	* 15.448	26.3	MAv1	41.1	-22.9	44.5	54	-9.5	-	-	180	187	H
5	* 4.742	41.44	PK2	34	-29.6	45.84	-	-	74	-28.16	273	199	V
	* 4.744	30.14	MAv1	34	-29.6	34.54	54	-19.46	-	-	273	199	V
6	16.799	36.17	PK2	41.8	-17.5	60.47	-	-	74	-13.53	326	205	V

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

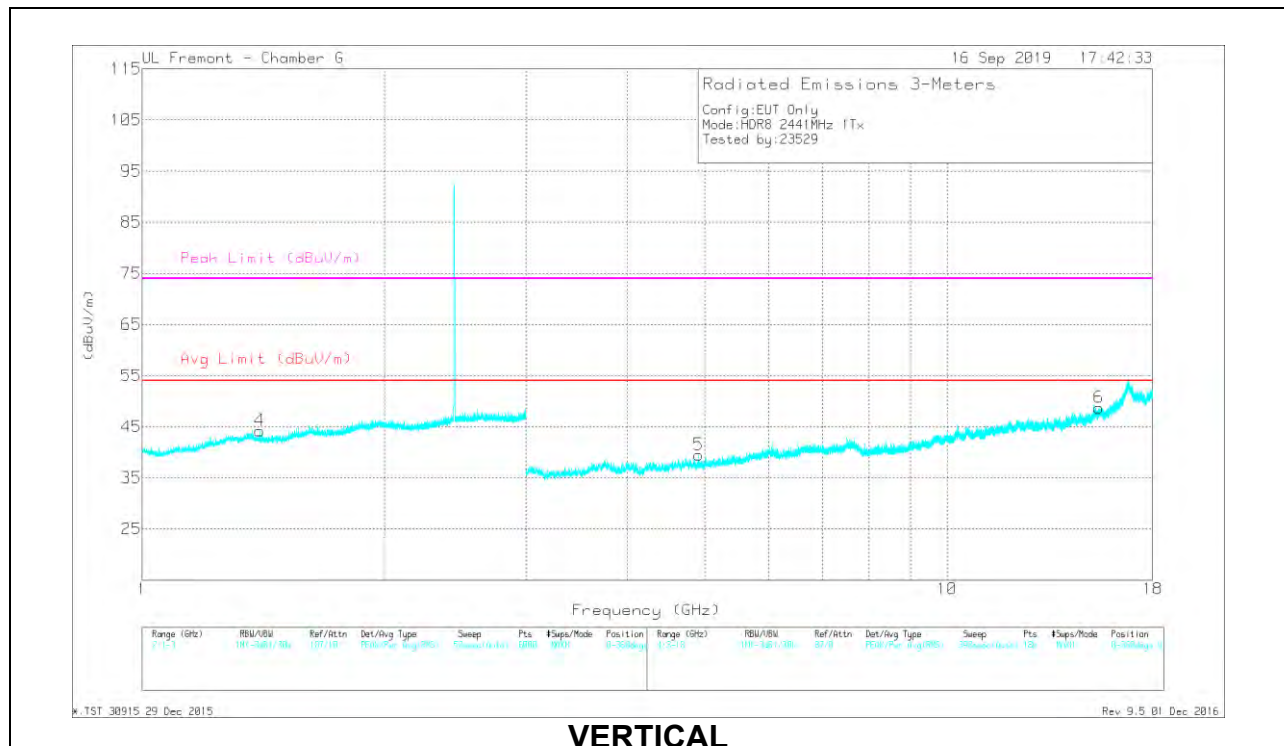
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

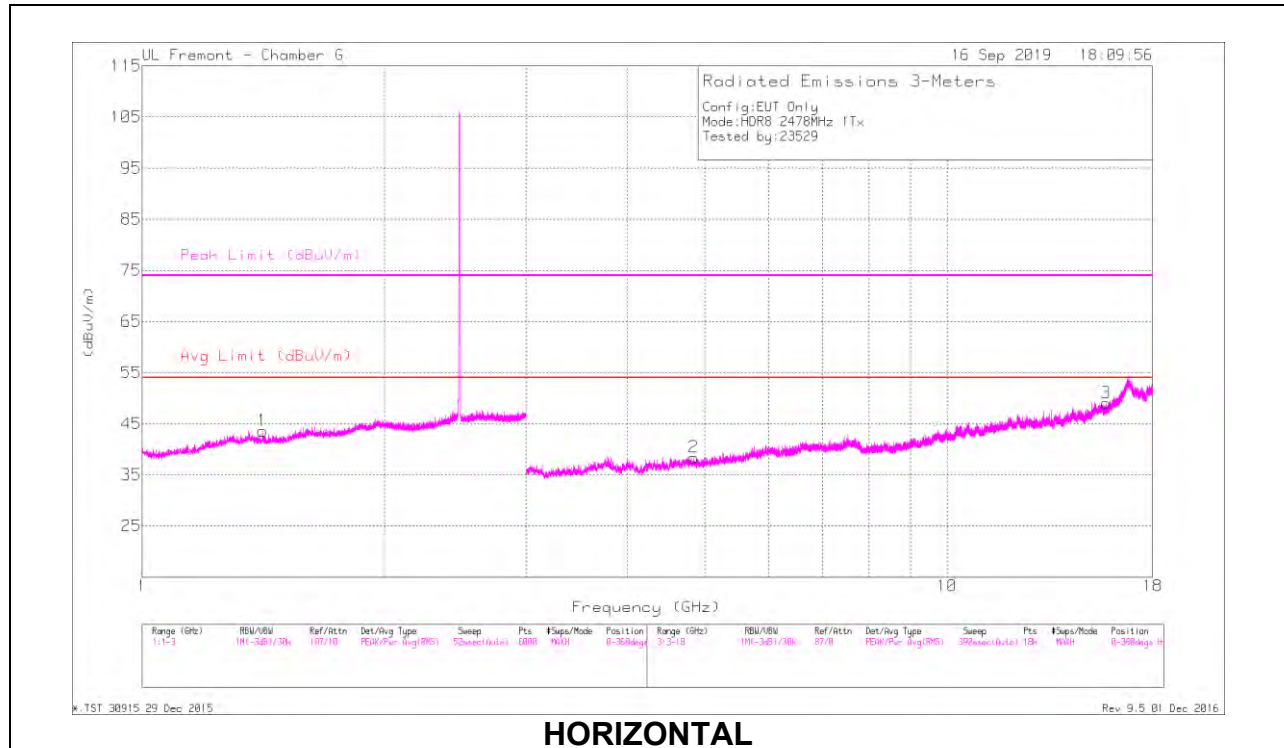
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.31	43.75	PK2	29.5	-23.5	49.75	-	-	74	-24.25	253	207	H
	* 1.307	32.03	MAv1	29.5	-23.5	38.03	54	-15.97	-	-	253	207	H
4	* 1.401	43.92	PK2	29	-23	49.92	-	-	74	-24.08	149	265	V
	* 1.401	32.54	MAv1	29	-23	38.54	54	-15.46	-	-	149	265	V
2	* 5.027	40.11	PK2	34.2	-29.2	45.11	-	-	74	-28.89	193	189	H
	* 5.028	29.19	MAv1	34.2	-29.2	34.19	54	-19.81	-	-	193	189	H
3	* 15.439	37.1	PK2	41.1	-22.7	55.5	-	-	74	-18.5	226	292	H
	* 15.441	26.1	MAv1	41.1	-22.8	44.4	54	-9.6	-	-	226	292	H
5	* 4.91	40.36	PK2	34	-29.6	44.76	-	-	74	-29.24	329	178	V
	* 4.913	29.81	MAv1	34	-29.5	34.31	54	-19.69	-	-	329	178	V
6	* 15.45	37.57	PK2	41.1	-22.9	55.77	-	-	74	-18.23	0	186	V
	* 15.451	26.28	MAv1	41.1	-22.9	44.48	54	-9.52	-	-	0	186	V

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

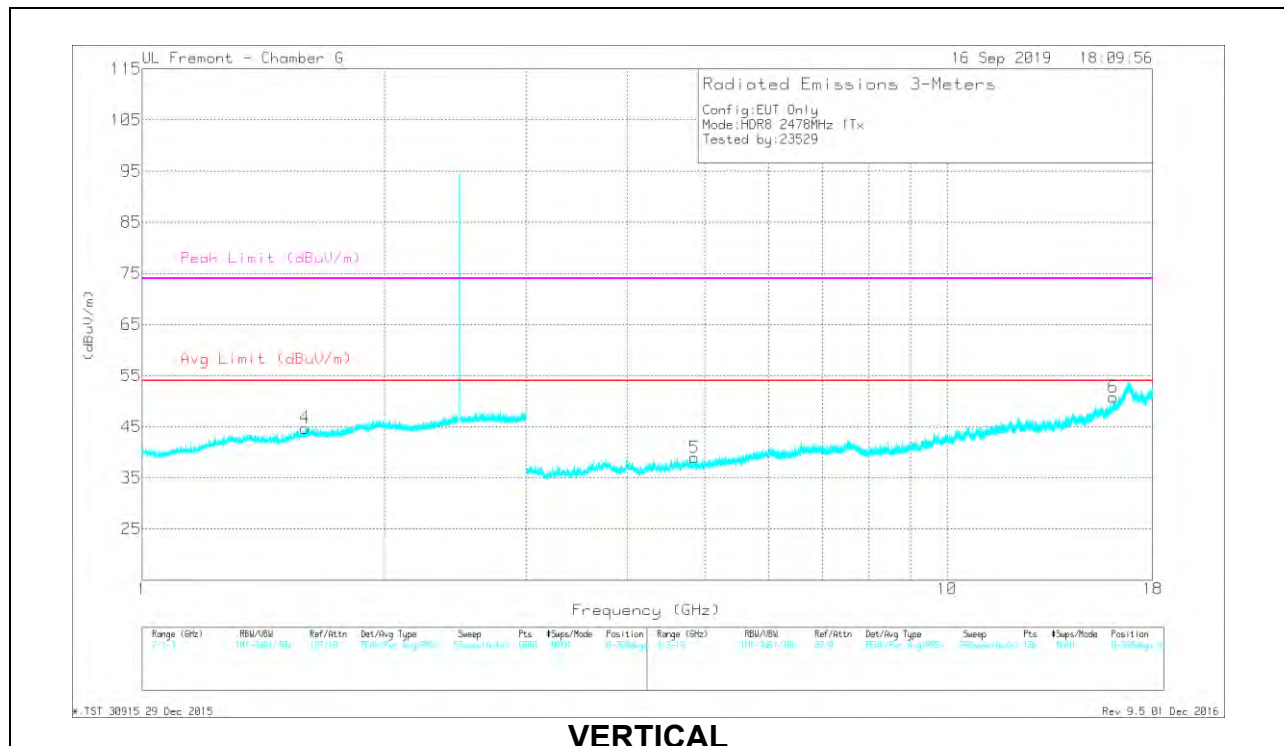
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

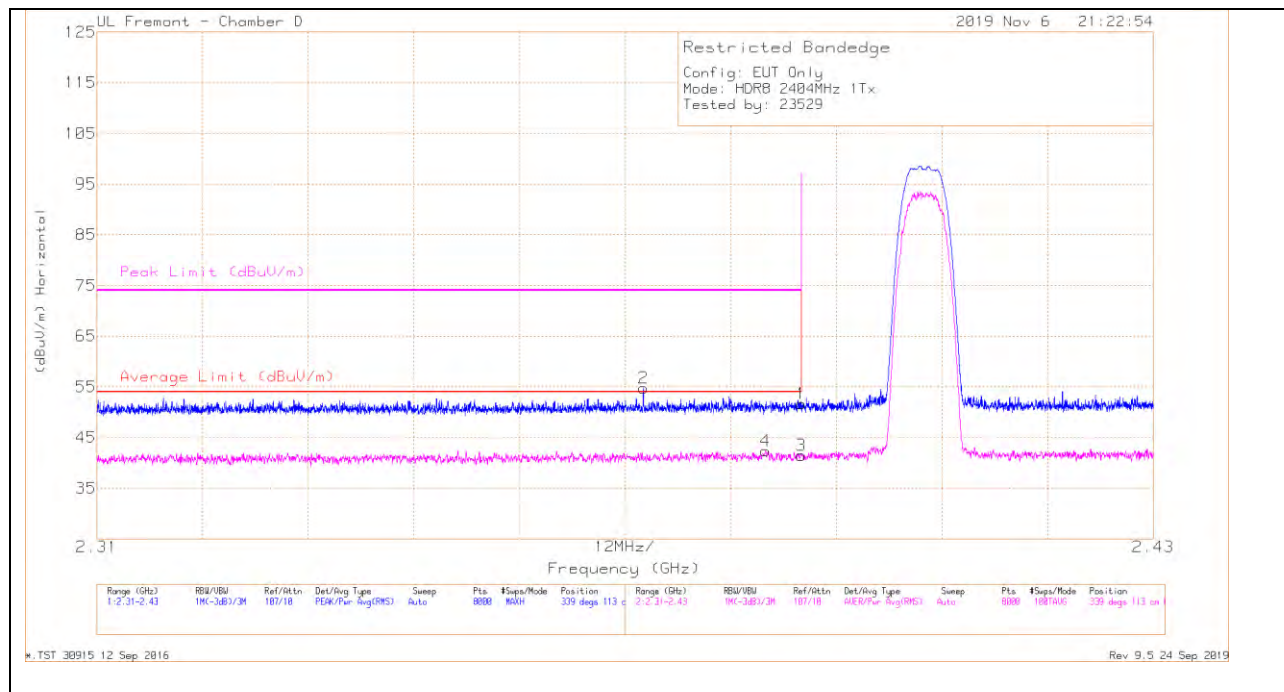
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.41	44.25	PK2	29	-22.9	50.35	-	-	74	-23.65	34	136	H
	* 1.409	32.69	MAv1	29	-22.9	38.79	54	-15.21	-	-	34	136	H
4	* 1.593	44	PK2	28.7	-21.3	51.4	-	-	74	-22.6	160	214	V
	* 1.594	32.52	MAv1	28.7	-21.3	39.92	54	-14.08	-	-	160	214	V
2	* 4.845	40.02	PK2	34.2	-29.6	44.62	-	-	74	-29.38	271	236	H
	* 4.842	29.34	MAv1	34.2	-29.7	33.84	54	-20.16	-	-	271	236	H
3	* 15.753	37.18	PK2	40.6	-22.7	55.08	-	-	74	-18.92	230	186	H
	* 15.756	26.31	MAv1	40.6	-22.7	44.21	54	-9.79	-	-	230	186	H
5	* 4.857	40.5	PK2	34.1	-29.6	45	-	-	74	-29	109	186	V
	* 4.854	29.49	MAv1	34.1	-29.6	33.99	54	-20.01	-	-	109	186	V
6	* 16.093	36.94	PK2	41.2	-21.8	56.34	-	-	74	-17.66	216	208	V
	* 16.095	26.1	MAv1	41.2	-21.8	45.5	54	-8.5	-	-	216	208	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/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	* 2.37208	43.5	Pk	31.9	-20.6	54.8	-	-	74	-19.2	339	113	H
4	* 2.38597	30.91	RMS	32	-20.6	42.31	54	-11.69	-	-	339	113	H
1	* 2.38999	40.17	Pk	32	-20.5	51.67	-	-	74	-22.33	339	113	H
3	* 2.38999	29.97	RMS	32	-20.5	41.47	54	-12.53	-	-	339	113	H

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

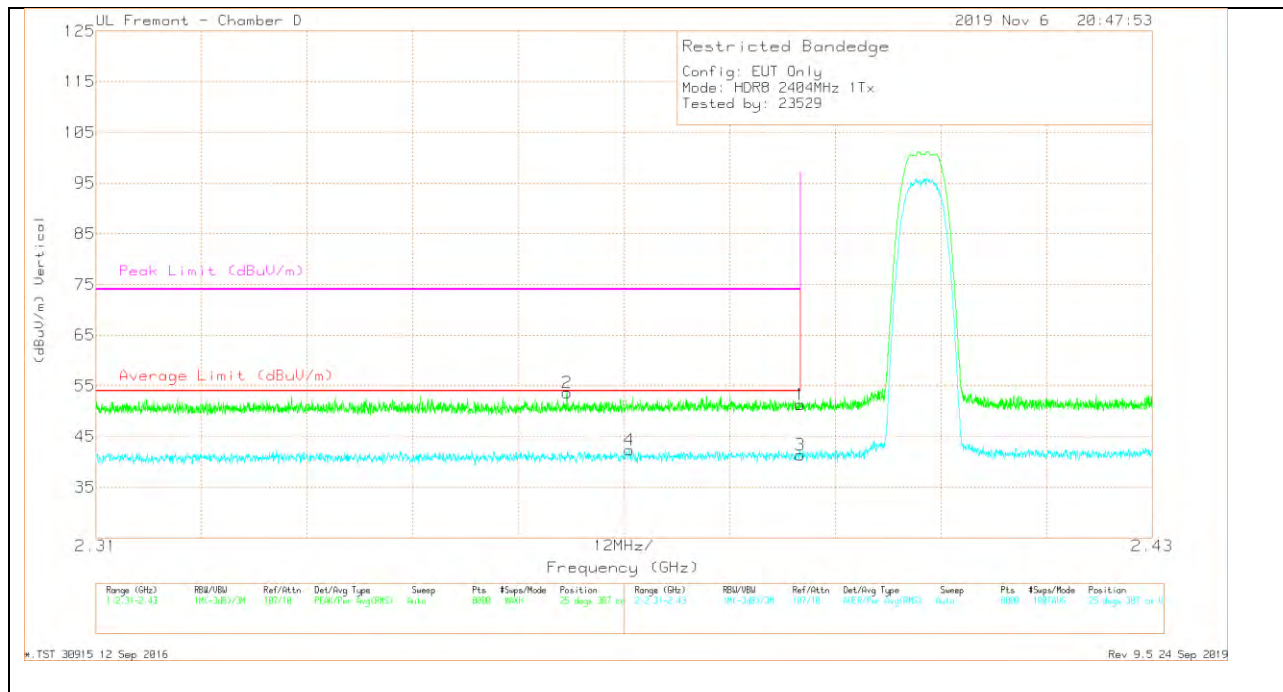
Pk - Peak detector

RMS - RMS detection

*.TST 30915 12 Sep 2016

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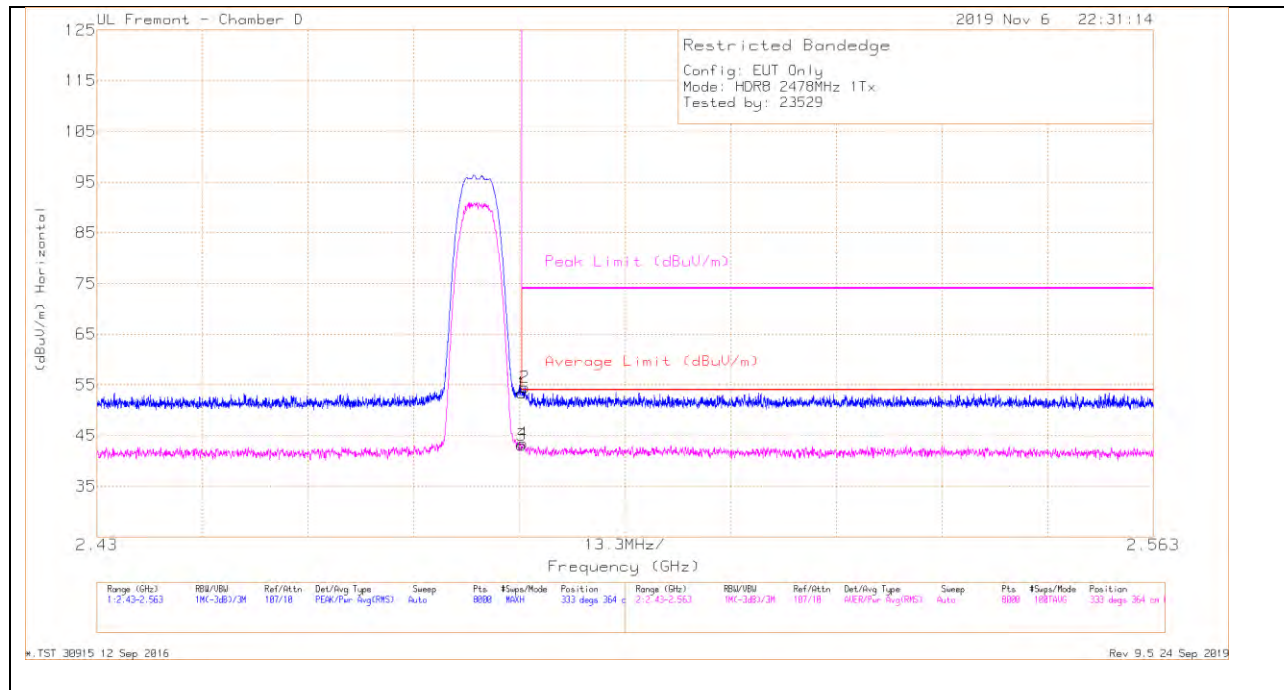
VERTICAL RESULT



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
2	* 2.3635	42.49	Pk	31.8	-20.6	53.69	-	-	74	-20.31	25	387	V
4	* 2.37059	31	RMS	31.9	-20.6	42.3	54	-11.7	-	-	25	387	V
1	* 2.38999	39.8	Pk	32	-20.5	51.3	-	-	74	-22.7	25	387	V
3	* 2.38999	29.8	RMS	32	-20.5	41.3	54	-12.7	-	-	25	387	V

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

*.TST 30915 12 Sep 2016
Rev 9.5 24 Sep 2019

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (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	* 2.48351	41.53	Pk	32.4	-20.5	53.43	-	-	74	-20.57	333	364	H
3	* 2.48351	31.23	RMS	32.4	-20.5	43.13	54	-10.87	-	-	333	364	H
4	* 2.48364	31.59	RMS	32.4	-20.5	43.49	54	-10.51	-	-	333	364	H
2	* 2.4839	42.67	Pk	32.3	-20.5	54.47	-	-	74	-19.53	333	364	H

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

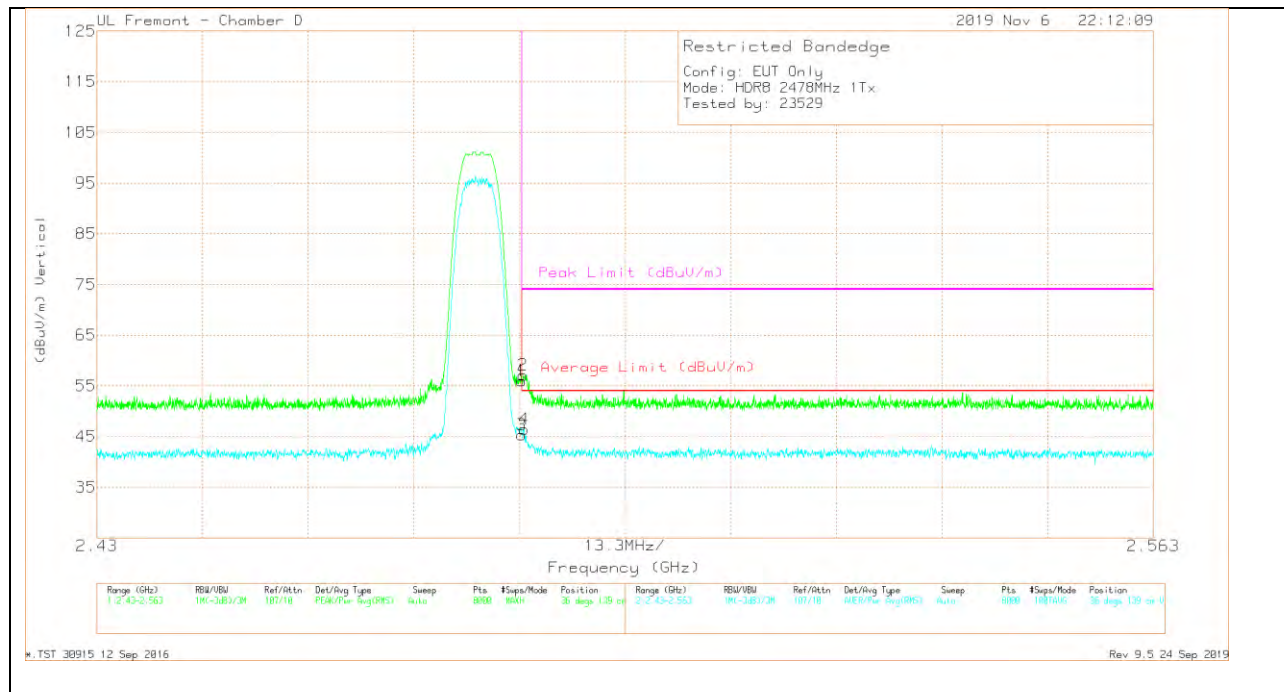
Pk - Peak detector

RMS - RMS detection

* TST 30915 12 Sep 2016

Rev 9.5 24 Sep 2019

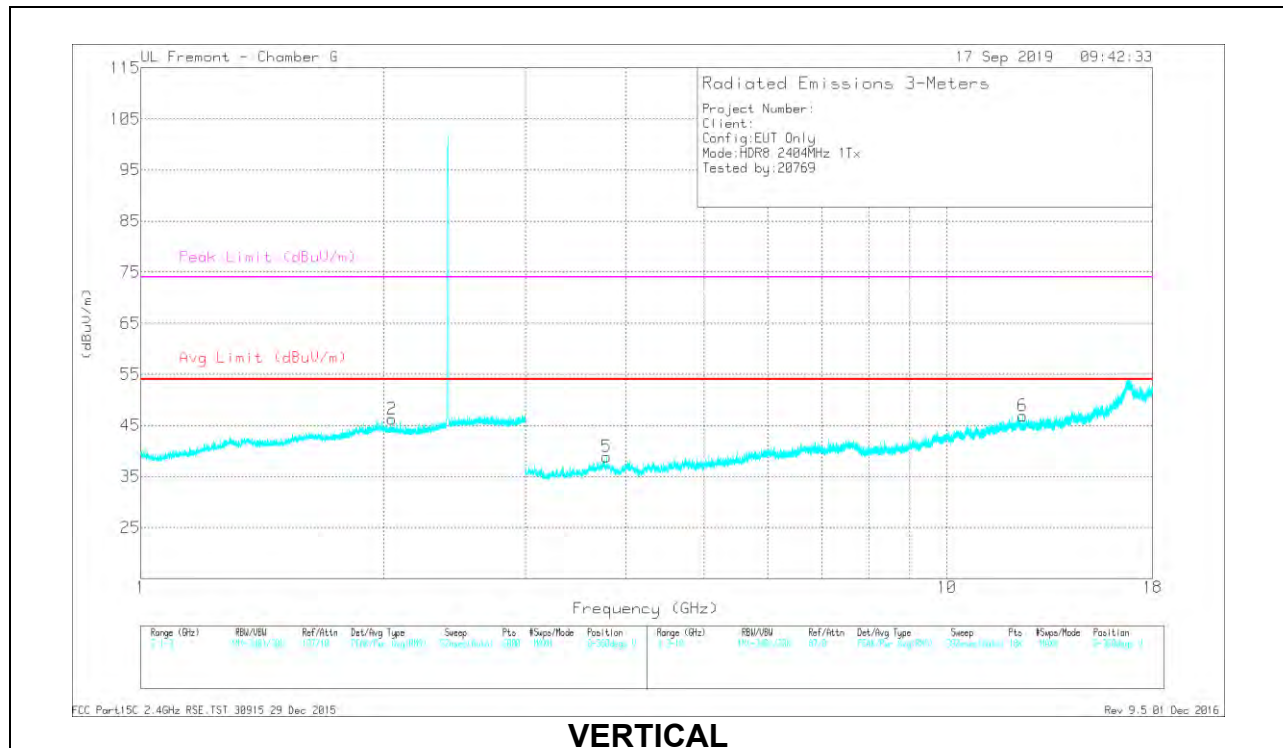
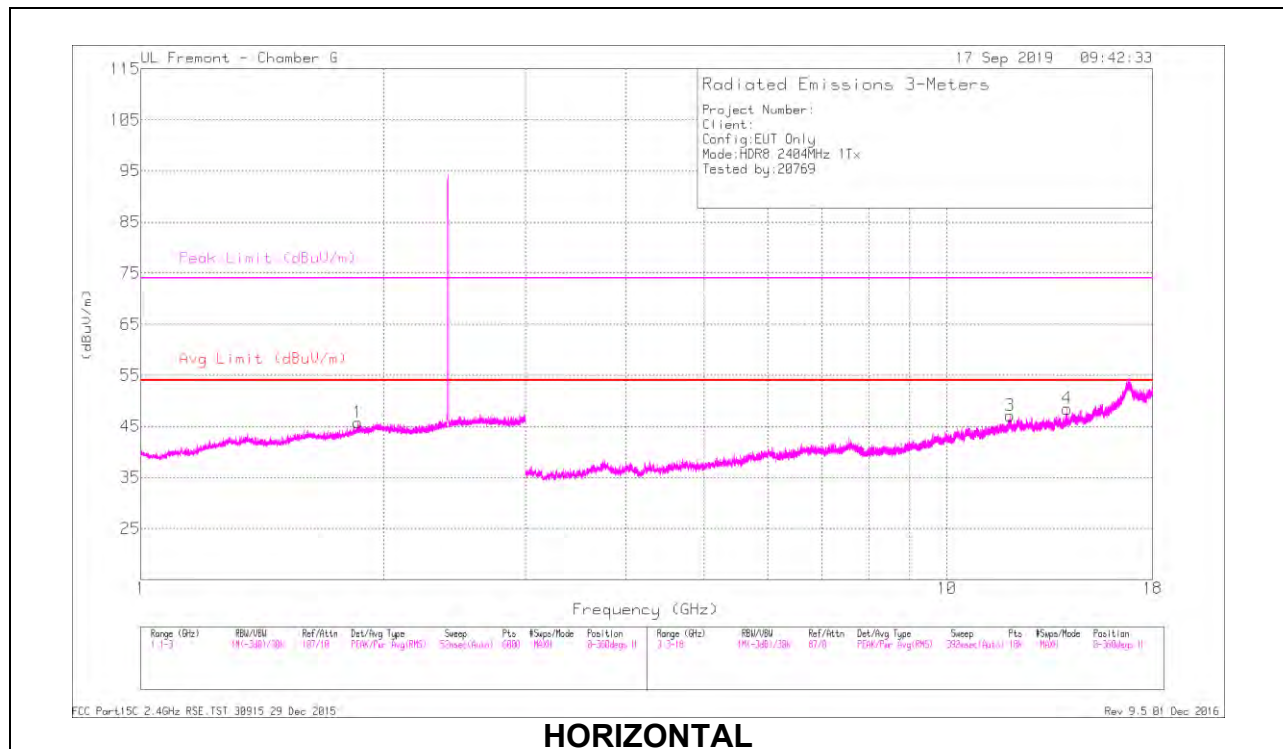
VERTICAL RESULT



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	44.06	Pk	32.4	-20.5	55.96	-	-	74	-18.04	36	139	V
3	* 2.48351	33.48	RMS	32.4	-20.5	45.38	54	-8.62	-	-	36	139	V
2	* 2.48364	45.27	Pk	32.4	-20.5	57.17	-	-	74	-16.83	36	139	V
4	* 2.48376	34.52	RMS	32.4	-20.5	46.42	54	-7.58	-	-	36	139	V

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

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HARMONICS AND SPURIOUS EMISSIONS**LOW CHANNEL RESULTS**

RADIATED EMISSIONS

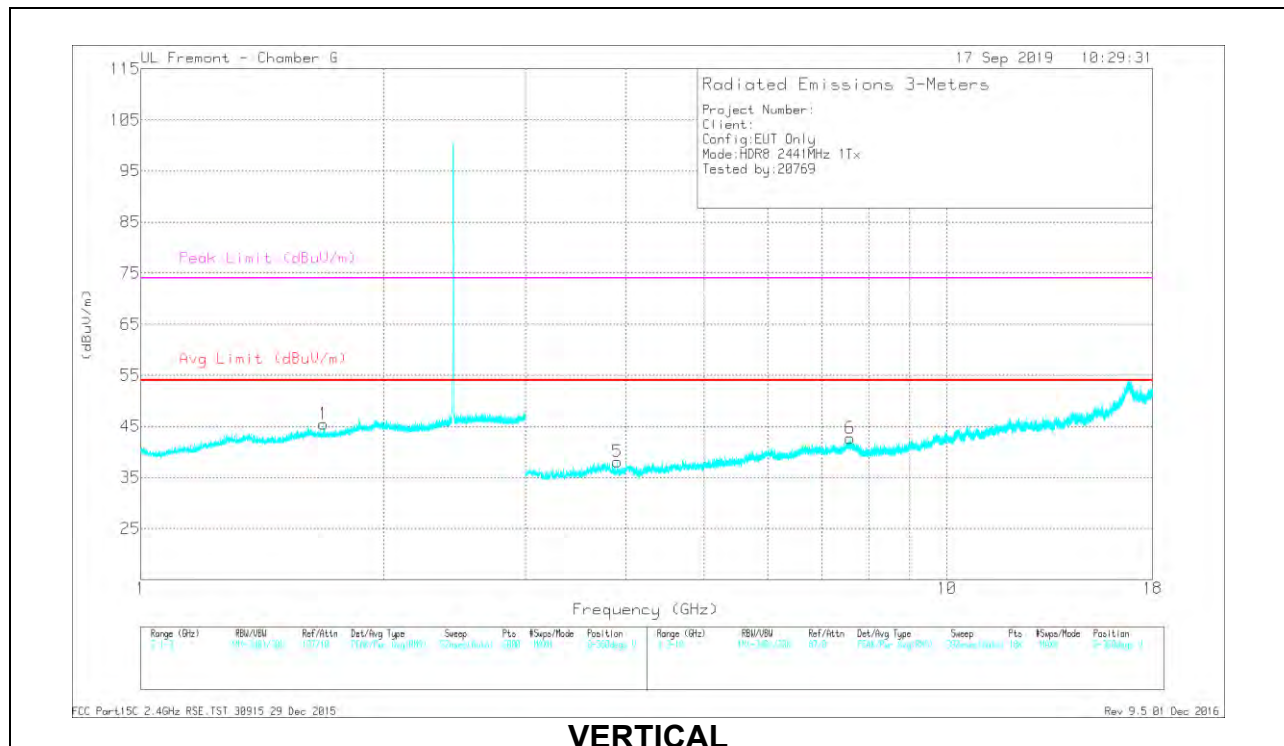
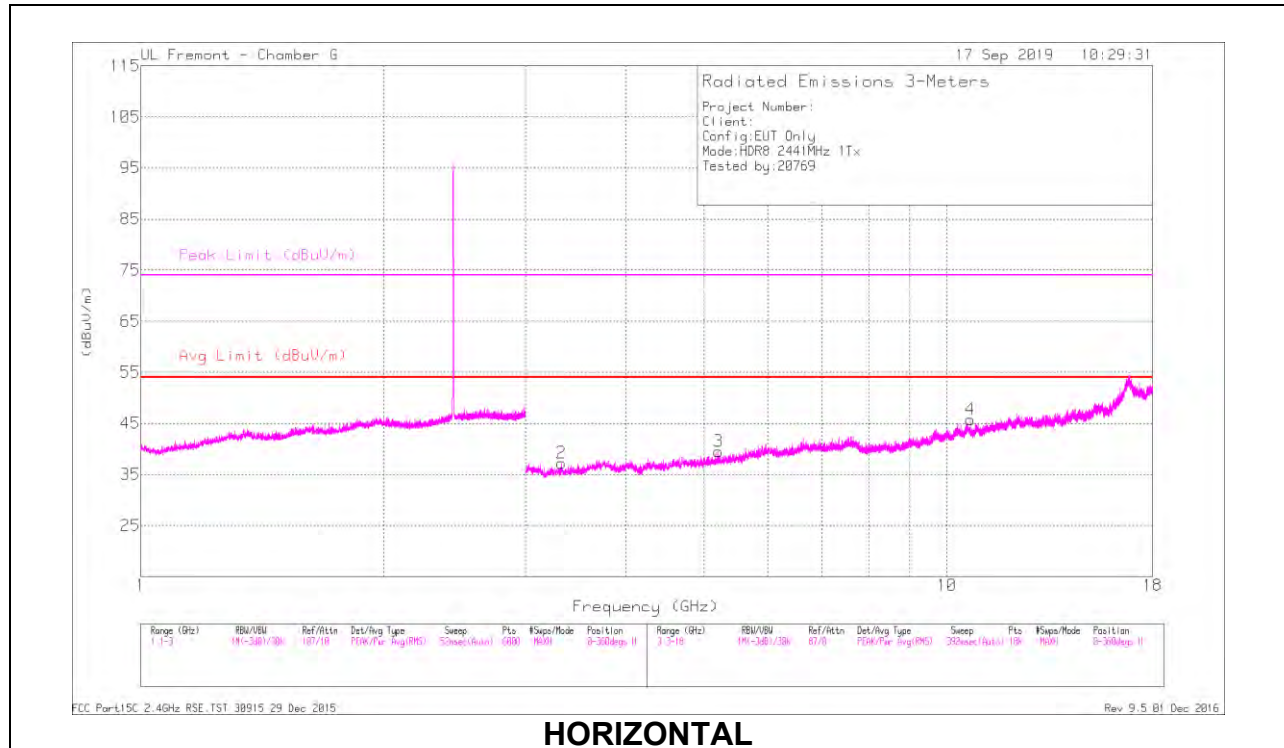
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* 11.987	36.61	PK2	38.7	-22.4	52.91	-	-	74	-21.09	41	164	H
	* 11.984	24.86	MAv1	38.7	-22.4	41.16	54	-12.84	-	-	41	164	H
5	* 3.782	41.5	PK2	33.4	-29.5	45.4	-	-	74	-28.6	45	361	V
	* 3.784	29.39	MAv1	33.4	-29.6	33.19	54	-20.81	-	-	45	361	V
6	* 12.413	36.56	PK2	39	-23.2	52.36	-	-	74	-21.64	241	178	V
	* 12.413	25.06	MAv1	39	-23.2	40.86	54	-13.14	-	-	241	178	V
1	1.86	43.95	PK2	31.3	-22.6	52.65	-	-	-	-	10	227	H
2	2.05	43.99	PK2	31.5	-22.5	52.99	-	-	-	-	255	144	V
4	14.107	38.22	PK2	39.1	-23.2	54.12	-	-	-	-	354	169	H

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS



RADIATED EMISSIONS

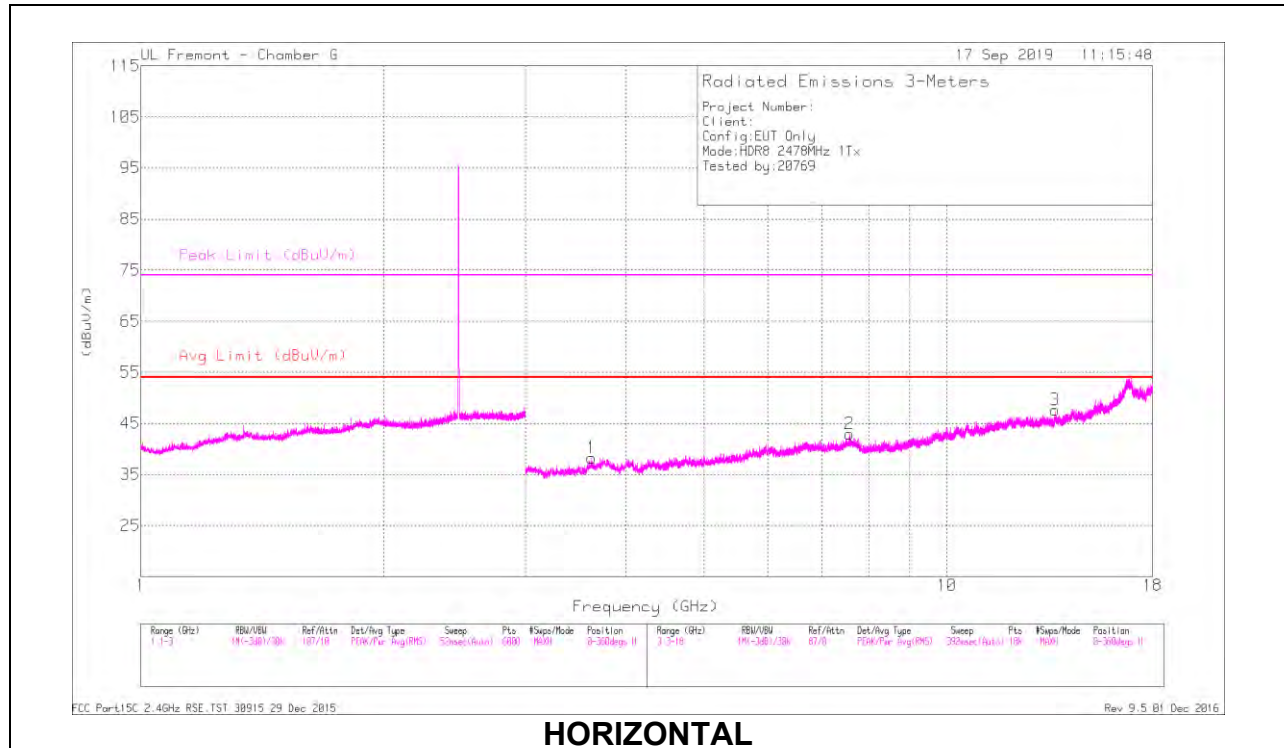
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.686	44	PK2	29.1	-21.6	51.5	-	-	74	-22.5	111	354	V
	* 1.684	31.87	MAv1	29	-21.6	39.27	54	-14.73	-	-	111	354	V
4	* 10.705	36.83	PK2	37.6	-23.9	50.53	-	-	74	-23.47	31	261	H
	* 10.705	25.26	MAv1	37.6	-23.9	38.96	54	-15.04	-	-	31	261	H
5	* 3.901	41.6	PK2	33.4	-30.5	44.5	-	-	74	-29.5	353	147	V
	* 3.902	29.92	MAv1	33.4	-30.5	32.82	54	-21.18	-	-	353	147	V
6	* 7.586	38.89	PK2	37	-27.1	48.79	-	-	74	-25.21	55	109	V
	* 7.585	27.38	MAv1	37	-27.1	37.28	54	-16.72	-	-	55	109	V
2	3.324	41.95	PK2	32.7	-30.6	44.05	-	-	-	-	96	234	H
3	5.206	40.7	PK2	34.4	-29.9	45.2	-	-	-	-	120	274	H

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

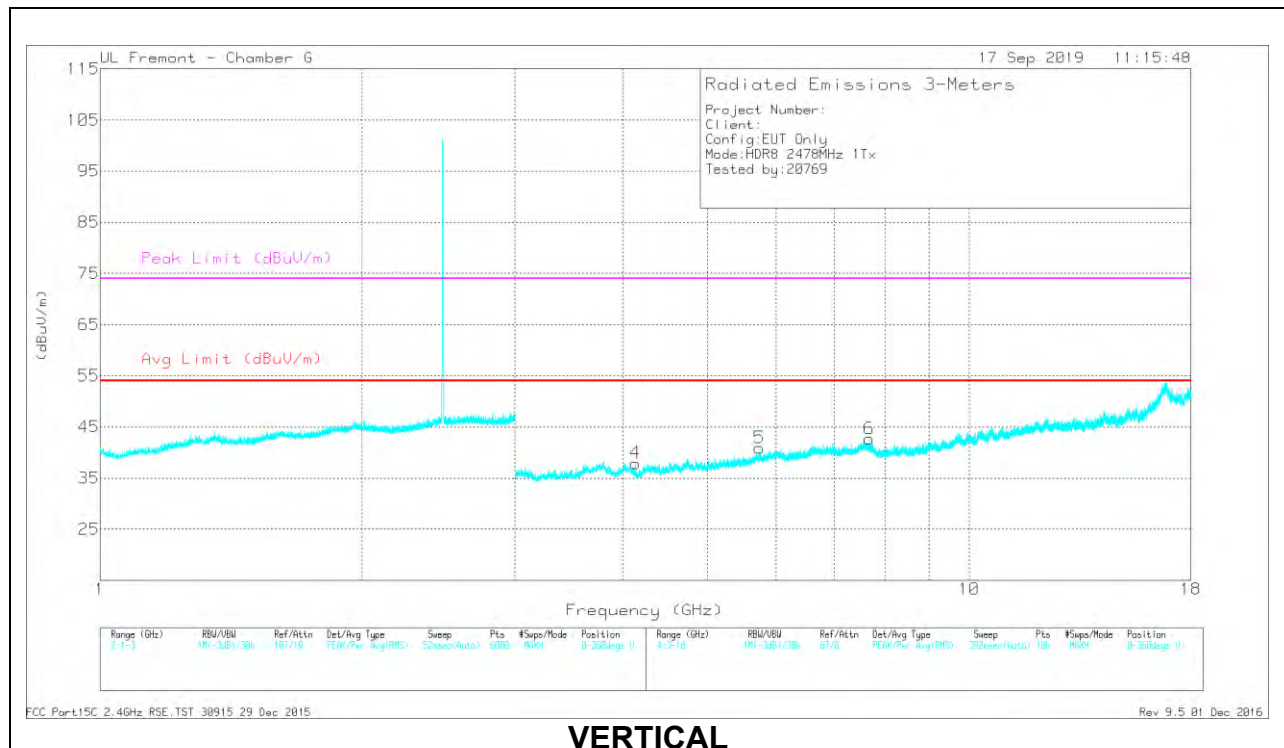
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

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	* 3.621	41.91	PK2	33.1	-30	45.01	-	-	74	-28.99	3	233	H
	* 3.624	29.5	MAv1	33.1	-29.8	32.8	54	-21.2	-	-	3	233	H
2	* 7.579	39.07	PK2	36.9	-27	48.97	-	-	74	-25.03	2	221	H
	* 7.578	27.33	MAv1	37	-27	37.33	54	-16.67	-	-	2	221	H
4	* 4.13	41.76	PK2	33.1	-30.3	44.56	-	-	74	-29.44	37	141	V
	* 4.132	29.63	MAv1	33.1	-30.4	32.33	54	-21.67	-	-	37	141	V
6	* 7.675	39.99	PK2	37	-27.9	49.09	-	-	74	-24.91	125	229	V
	* 7.674	27.94	MAv1	37	-27.9	37.04	54	-16.96	-	-	125	229	V
5	5.739	40.43	PK2	35.2	-28.7	46.93	-	-	-	-	93	256	V
3	13.626	37.74	PK2	38.8	-23.1	53.44	-	-	-	-	0	108	H

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

PK2 - KDB558074 Method: Maximum Peak

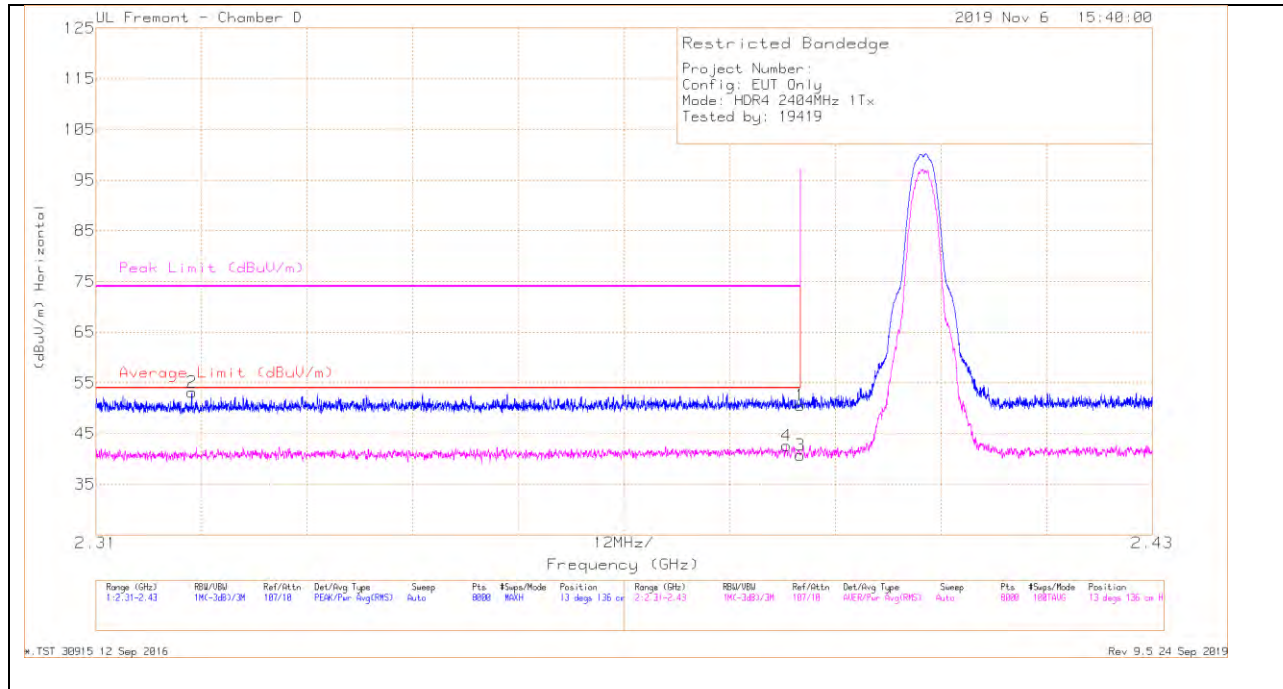
MAv1 - KDB558074 Option 1 Maximum RMS Average

9.2.3. LOW POWER HDR (HDR4)

UAT1

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/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	* 2.32089	42.17	Pk	31.6	-20.6	53.17	-	-	74	-20.83	13	136	H
4	* 2.38845	31.08	RMS	32	-20.5	42.58	54	-11.42	-	-	13	136	H
1	* 2.38999	39.09	Pk	32	-20.5	50.59	-	-	74	-23.41	13	136	H
3	* 2.38999	29.25	RMS	32	-20.5	40.75	54	-13.25	-	-	13	136	H

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

Pk - Peak detector

RMS - RMS detection

*.TST 30915 12 Sep 2016

Rev 9.5 24 Sep 2019

UL Fremont - Chamber D

2019 Nov 6 15:47:59

Restricted Bandedge

Project Number:
Config: EUT Only
Mode: HDR4 2404MHz 1Tx
Tested by: 19419

Vertical (dBu/m)

Peak Limit (dBu/m)

Average Limit (dBu/m)

Frequency (GHz)

Range (GHz)	RBW/VBW	Ref/Att'n	Det/AvG Type	Sweep	Pts	#Seps/Mode	Position	Range (GHz)	RBW/VBW	Ref/Att'n	Det/AvG Type	Sweep	Pts	#Seps/Mode	Position
1.2-3.1-2.43	100-300/20	107/10	PK/AVG	Auto	8000	100/10	241 days 104	2.2-3.1-2.43	100-300/20	107/10	PK/AVG	Auto	8000	100/10	241 days 104

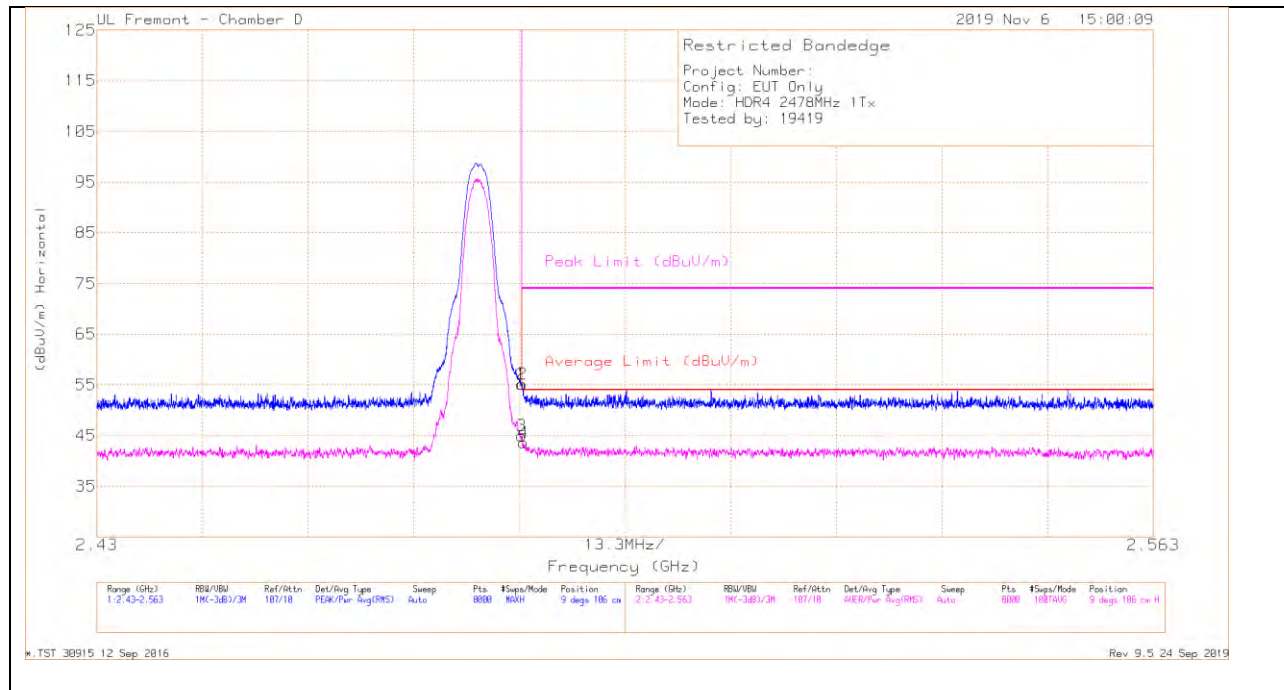
*.TST_30915 12 Sep 2016

Rev 9.5 24 Sep 2019

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Ctrl/Filt/rPa 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	* 2.37304	42.25	Pk	31.9	-20.6	53.55	-	-	74	-20.45	241	104	V
4	* 2.38405	30.84	RMS	32	-20.6	42.24	54	-11.76	-	-	241	104	V
1	* 2.38999	39.09	Pk	32	-20.5	50.59	-	-	74	-23.41	241	104	V
3	* 2.38999	29.85	RMS	32	-20.5	41.35	54	-12.65	-	-	241	104	V

Pk - Peak detector
RMS - RMS detection

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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	43.18	Pk	32.4	-20.5	55.08	-	-	74	-18.92	9	106	H
3	* 2.48351	33.04	RMS	32.4	-20.5	44.94	54	-9.06	-	-	9	106	H
2	* 2.48352	43.21	Pk	32.4	-20.5	55.11	-	-	74	-18.89	9	106	H
4	* 2.48369	31.7	RMS	32.4	-20.5	43.6	54	-10.4	-	-	9	106	H

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

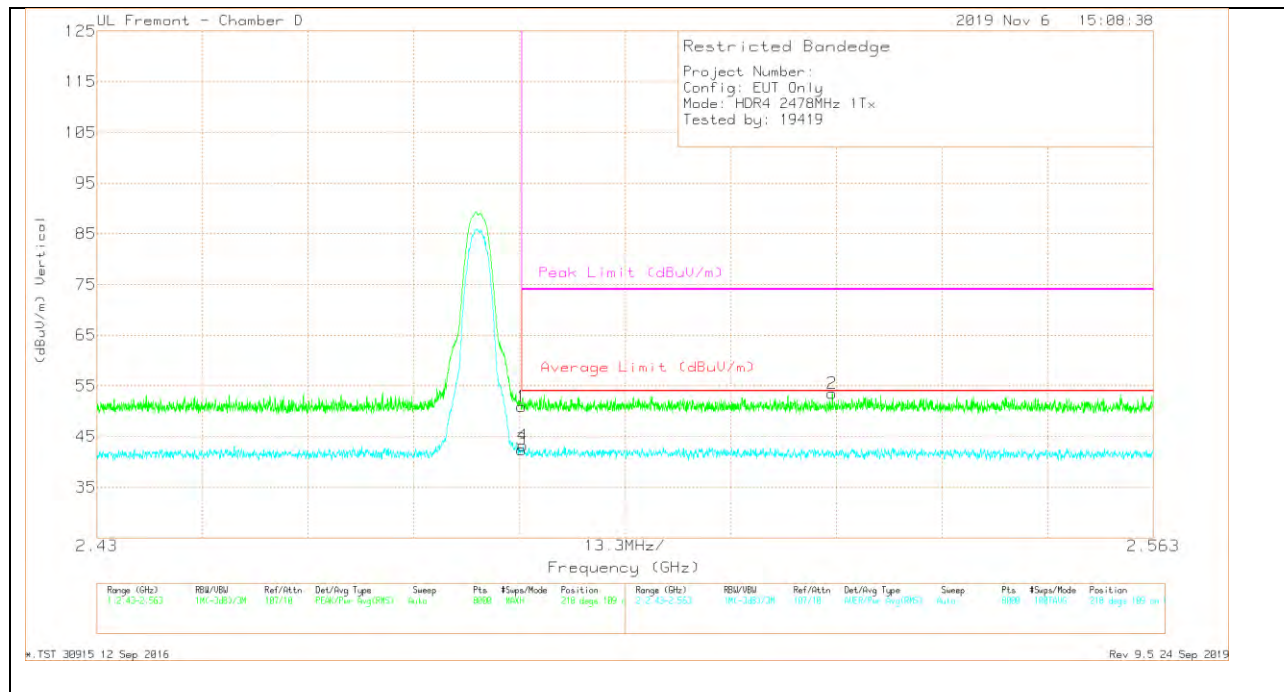
Pk - Peak detector

RMS - RMS detection

* TST 30915 12 Sep 2016

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VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cb1/Fitr/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	* 2.48351	39.03	Pk	32.4	-20.5	50.93	-	-	74	-23.07	218	109	V
3	* 2.48351	30.51	RMS	32.4	-20.5	42.41	54	-11.59	-	-	218	109	V
4	* 2.48364	31.27	RMS	32.4	-20.5	43.17	54	-10.83	-	-	218	109	V
2	2.5226	41.64	Pk	32.3	-20.4	53.54	-	-	74	-20.46	218	109	V

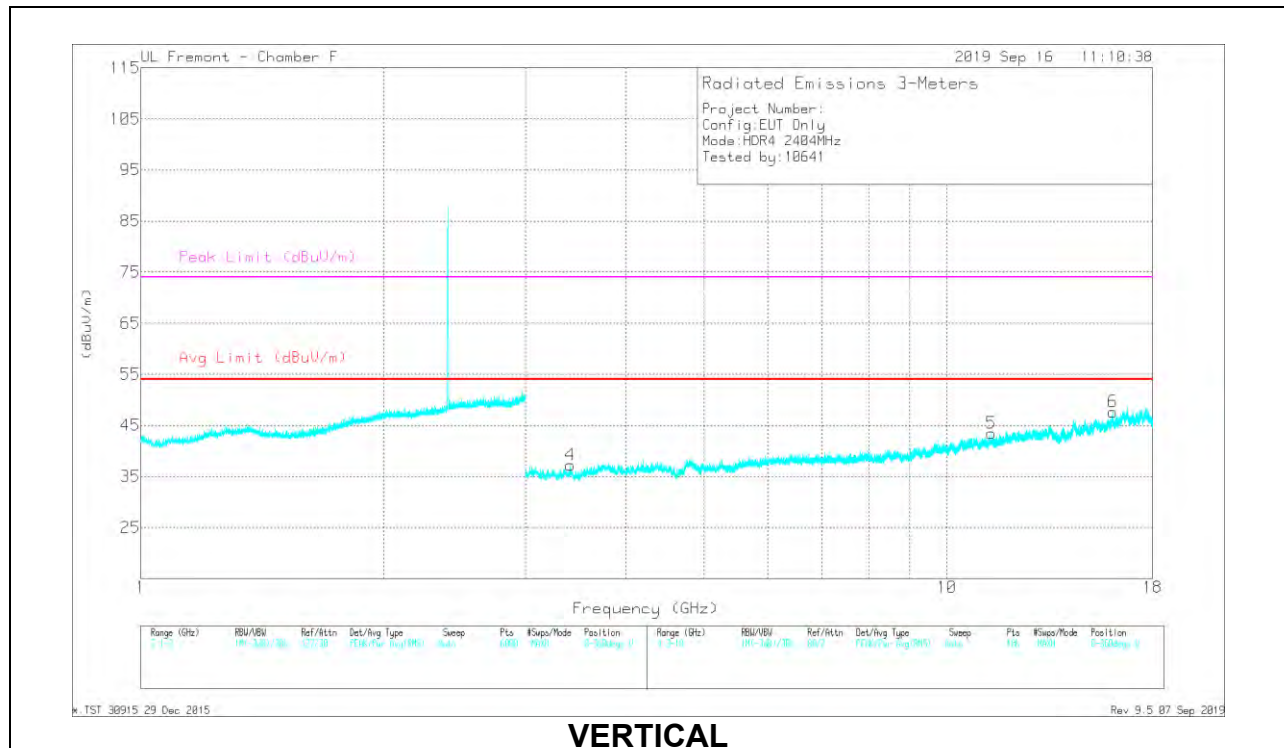
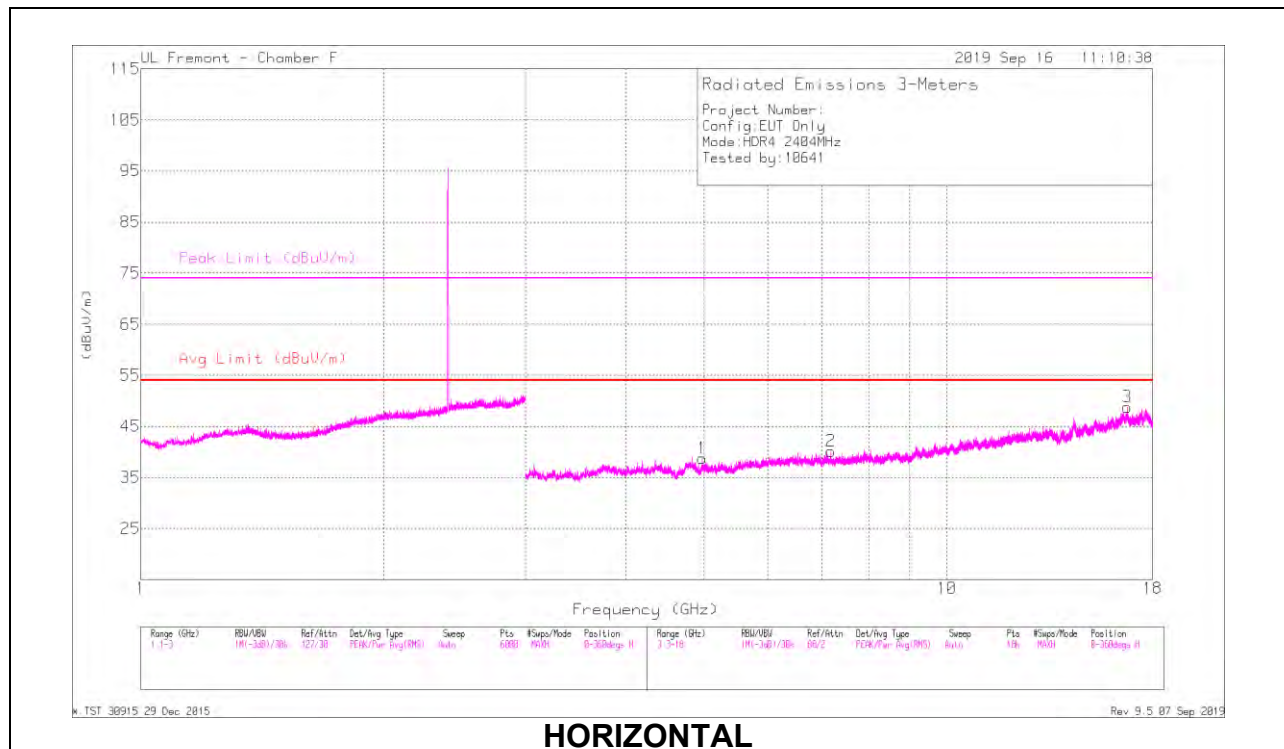
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

*.TST 30915 12 Sep 2016

Rev 9.5 24 Sep 2019

HARMONICS AND SPURIOUS EMISSIONS**LOW CHANNEL RESULTS**

RADIATED EMISSIONS

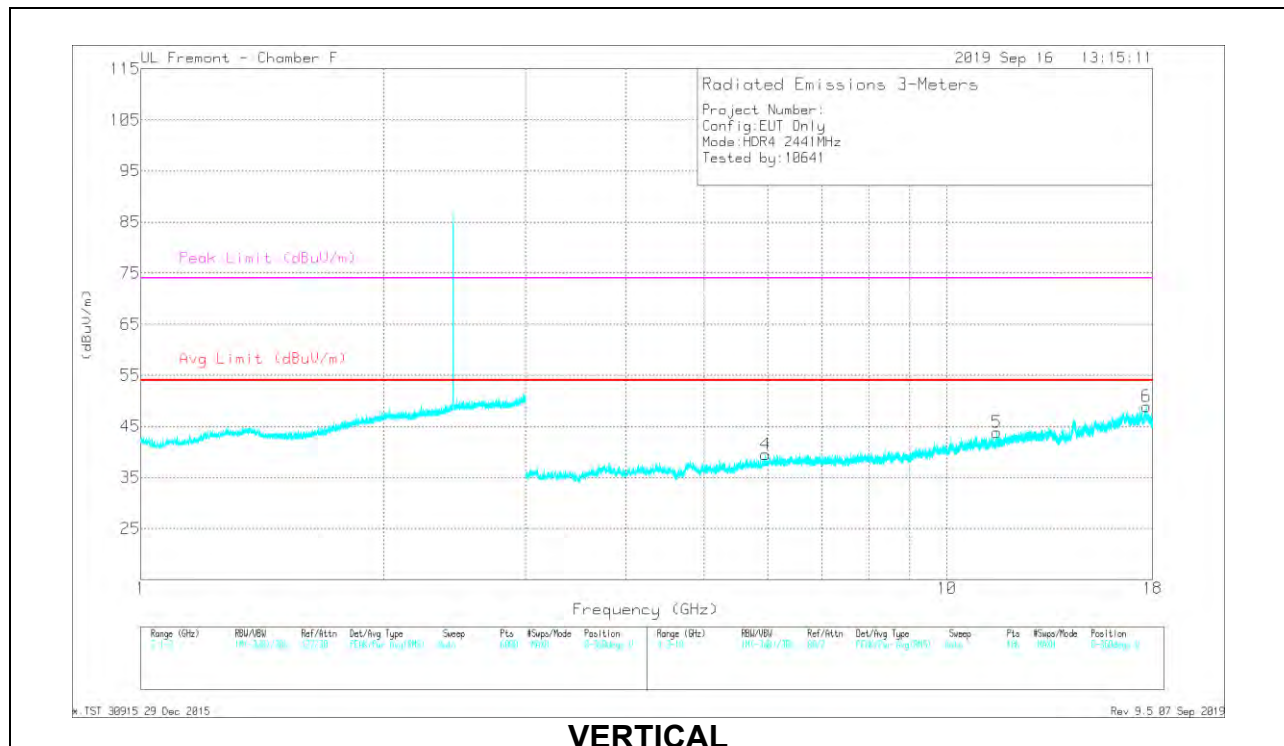
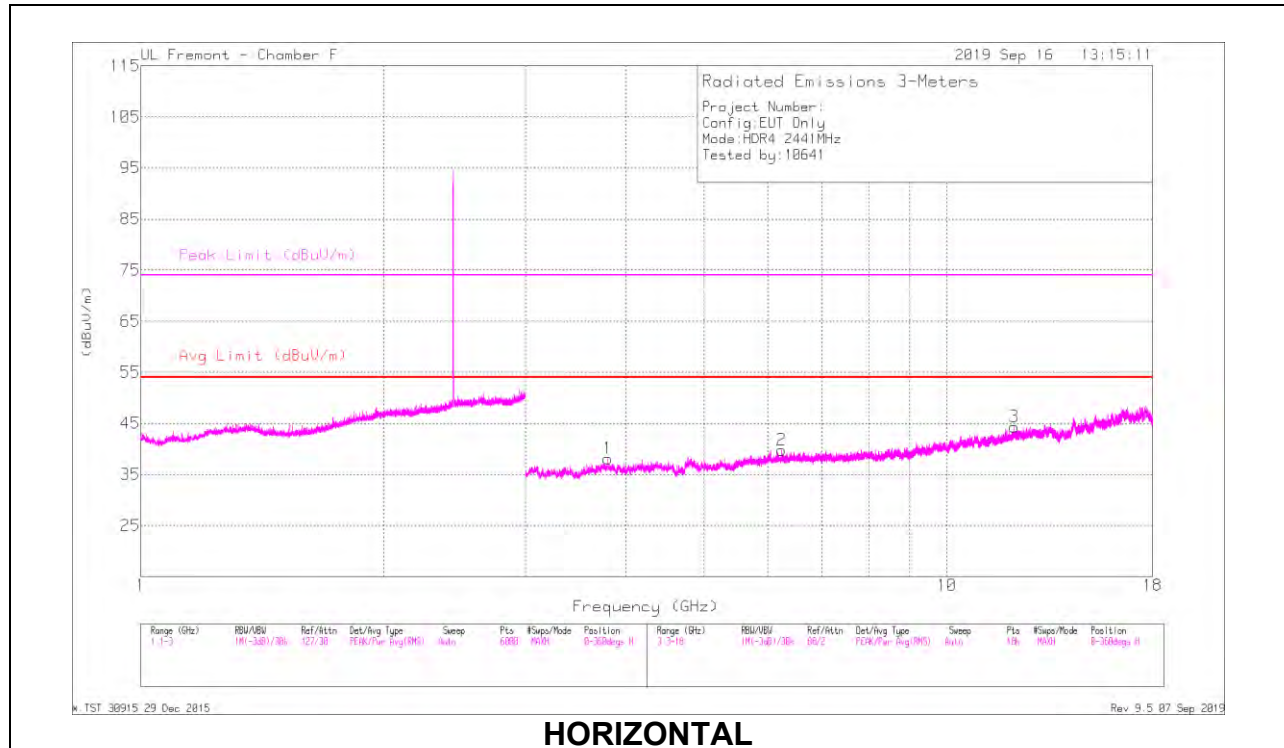
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT345 (dB/m)	Ampl/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.97191	53.81	PK2	34.2	-43.7	44.31	-	-	74	-29.69	26	113	H
	* 4.97133	43.08	MAv1	34.2	-43.7	33.58	54	-20.42	-	-	26	113	H
2	7.18648	51.43	PK2	35.6	-40.9	46.13	-	-	74	-27.87	118	156	H
3	16.75254	50.91	PK2	41.9	-37.2	55.61	-	-	74	-18.39	106	143	H
5	* 11.36096	49.41	PK2	38	-37.8	49.61	-	-	74	-24.39	96	132	V
	* 11.36205	38.42	MAv1	38.1	-37.8	38.72	54	-15.28	-	-	96	132	V
6	* 16.05853	51.04	PK2	40.8	-37.6	54.24	-	-	74	-19.76	106	143	V
	* 16.05757	39.58	MAv1	40.8	-37.6	42.78	54	-11.22	-	-	106	143	V
4	3.4117	54.17	PK2	32.7	-43.1	43.77	-	-	74	-30.23	213	185	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

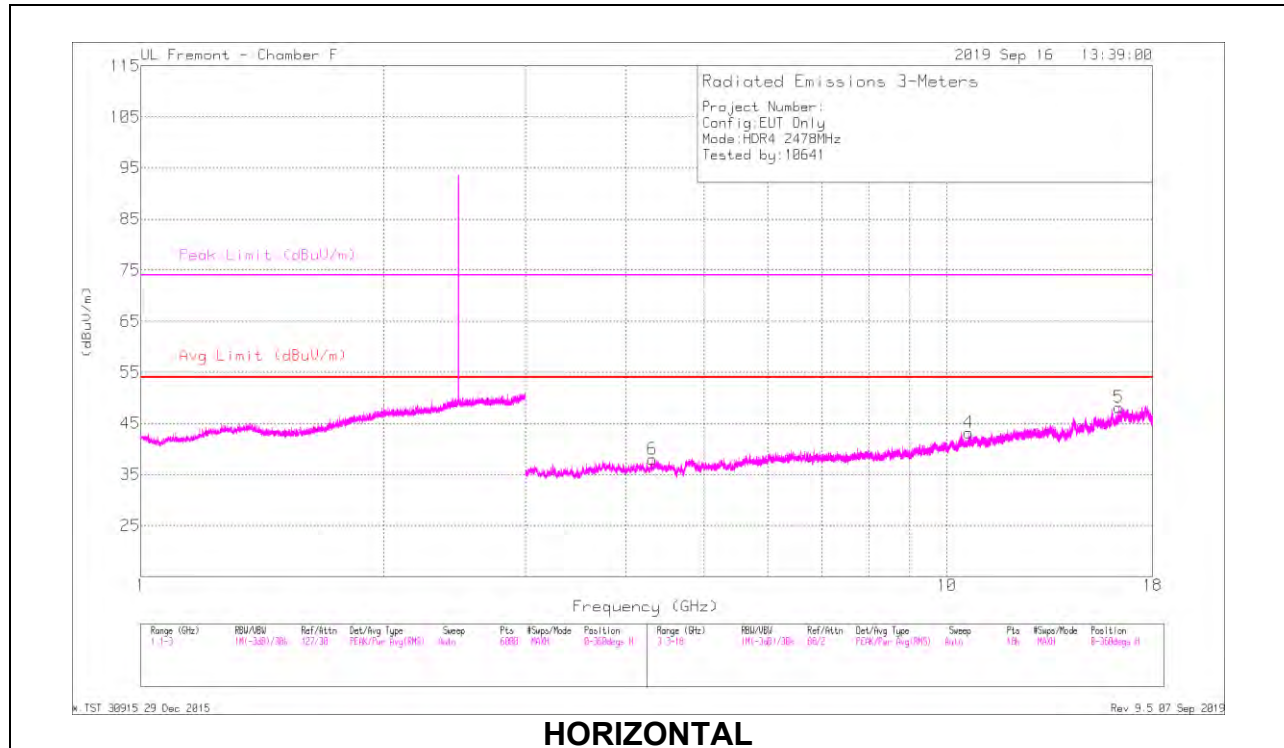
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT345 (dB/m)	Ampl/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.79682	53.59	PK2	33.6	-43.6	43.59	-	-	74	-30.41	52	154	H
	* 3.79437	42.85	MAv1	33.6	-43.6	32.85	54	-21.15	-	-	52	154	H
3	* 12.12968	50.27	PK2	38.9	-38.8	50.37	-	-	74	-23.63	202	183	H
	* 12.1316	39.27	MAv1	38.9	-38.8	39.37	54	-14.63	-	-	202	183	H
2	6.24466	51.97	PK2	35.7	-41.3	46.37	-	-	74	-27.63	128	183	H
5	* 11.53886	50.17	PK2	38.3	-38.7	49.77	-	-	74	-24.23	92	196	V
	* 11.53912	38.97	MAv1	38.3	-38.7	38.57	54	-15.43	-	-	92	196	V
4	5.95824	51.33	PK2	35.3	-41.4	45.23	-	-	74	-28.77	117	195	V
6	17.69563	51.05	PK2	41.4	-37.1	55.35	-	-	74	-18.65	97	206	V

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

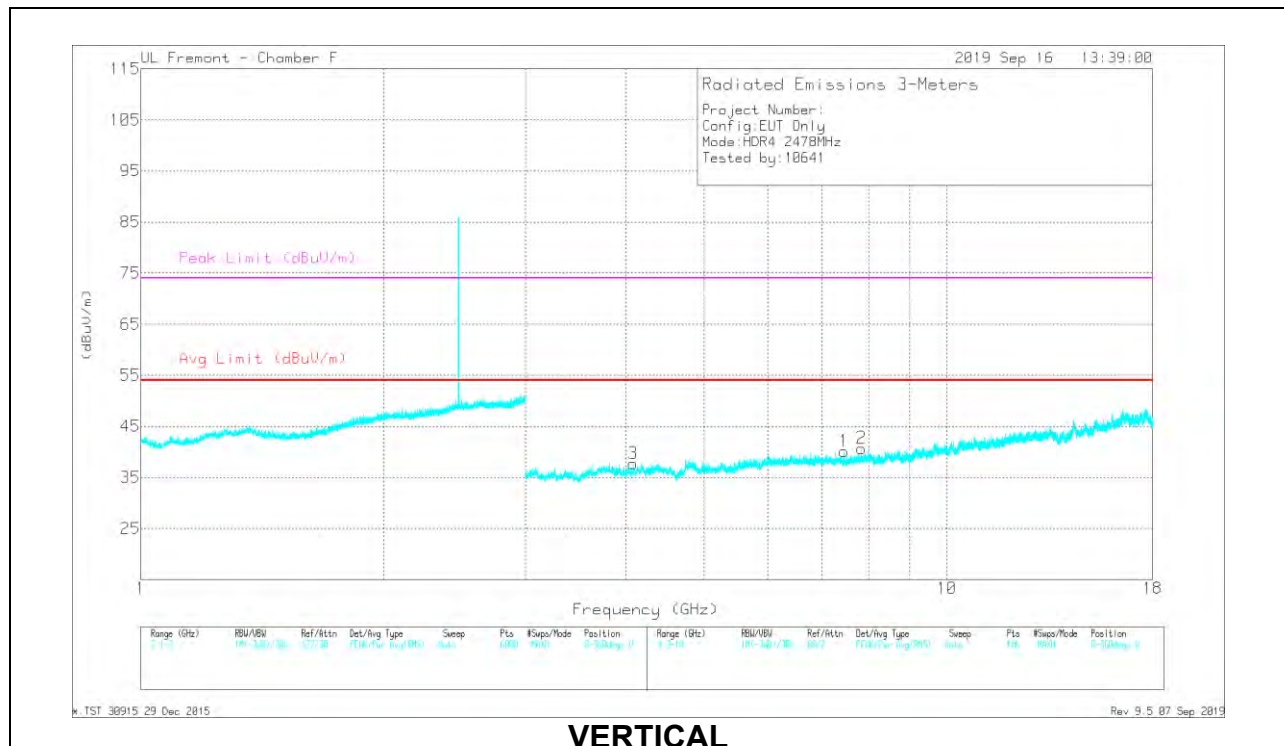
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

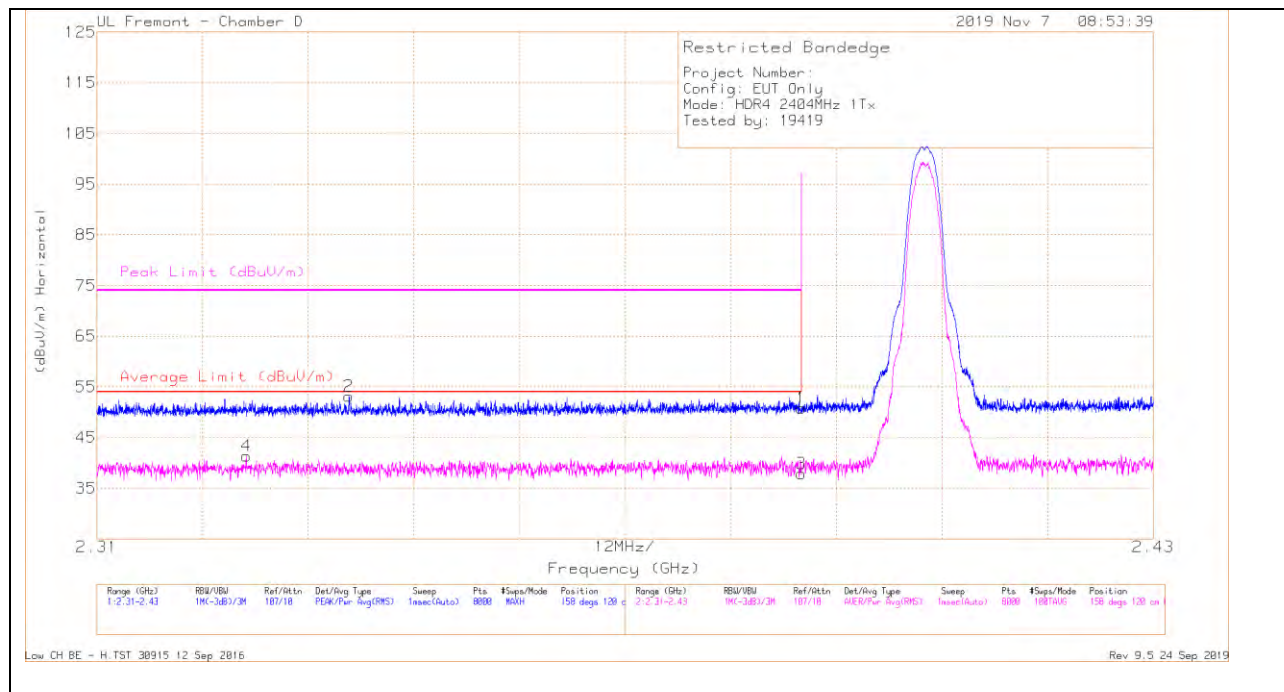
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT345 (dB/m)	Ampl/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 10.63398	50.56	PK2	37.8	-39	49.36	-	-	74	-24.64	123	112	H
	* 10.63592	38.79	MAv1	37.9	-39	37.69	54	-16.31	-	-	123	112	H
5	16.34488	51.29	PK2	41.2	-38.2	54.29	-	-	74	-19.71	151	254	H
	* 10.63592	38.79	MAv1	37.9	-39	37.69	54	-16.31	-	-	123	112	H
6	* 4.31138	54.99	PK2	33.9	-44.3	44.59	-	-	74	-29.41	104	132	H
	* 4.31348	43.33	MAv1	33.9	-44.3	32.93	54	-21.07	-	-	104	132	H
1	* 7.45572	50.51	PK2	35.7	-40.7	45.51	-	-	74	-28.49	122	148	V
	* 7.45636	39.5	MAv1	35.7	-40.7	34.5	54	-19.5	-	-	122	148	V
3	*4.08075	52.26	PK2	33.8	-43.6	42.46	-	-	74	-31.54	134	164	V
	*4.0812	40.97	MAv	33.8	-43.6	31.17	54	-22.83	-	-	134	164	V
2	7.83792	50.36	PK2	35.9	-39.6	46.66	-	-	74	-27.34	140	137	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/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	39.29	Pk	32	-20.5	50.79	-	-	74	-23.21	158	120	H
2	* 2.33864	41.94	Pk	31.8	-20.6	53.14	-	-	74	-20.86	158	120	H
3	* 2.38999	26.4	RMS	32	-20.5	37.9	54	-16.1	-	-	158	120	H
4	* 2.32697	30.27	RMS	31.7	-20.6	41.37	54	-12.63	-	-	158	120	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

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