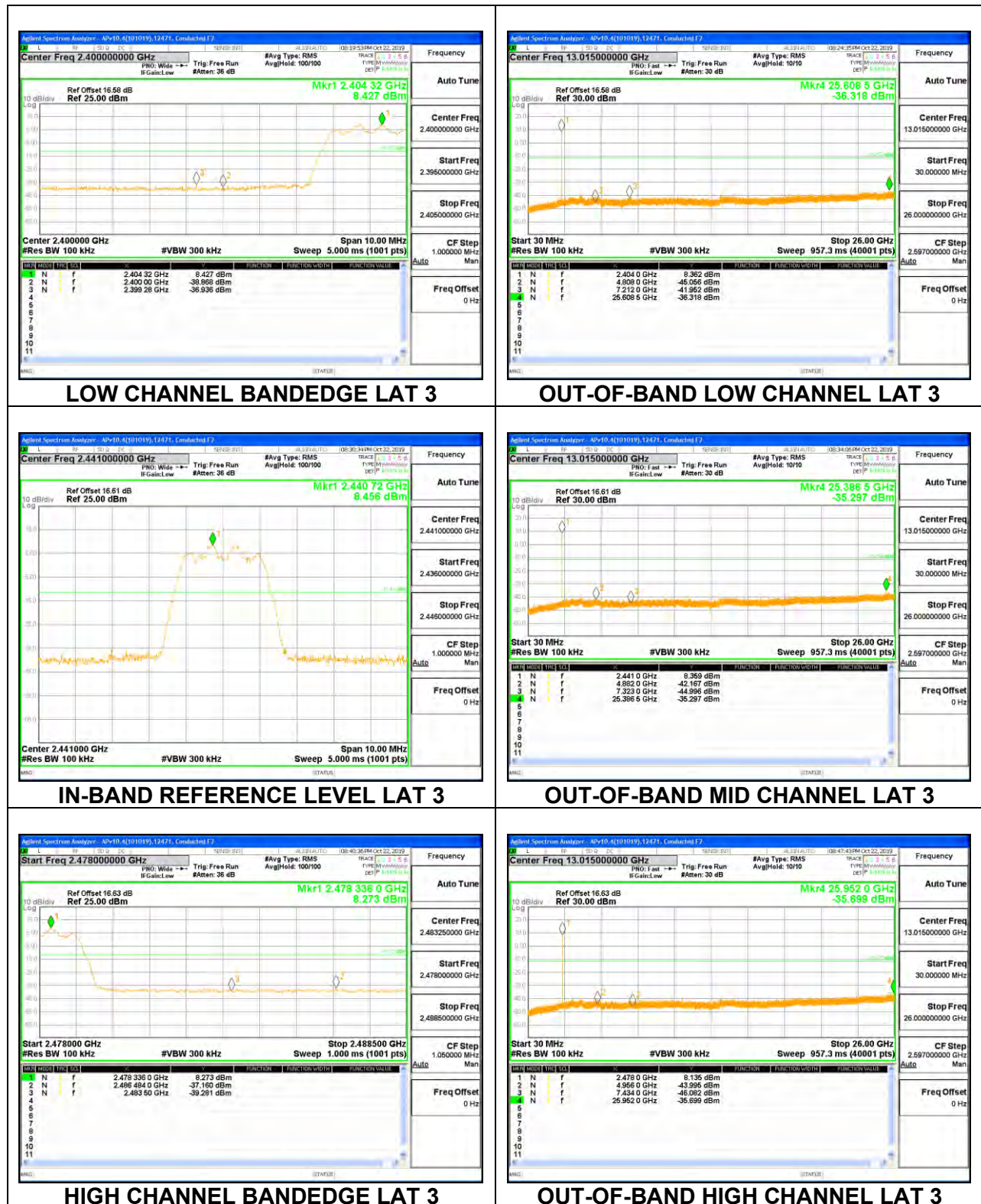
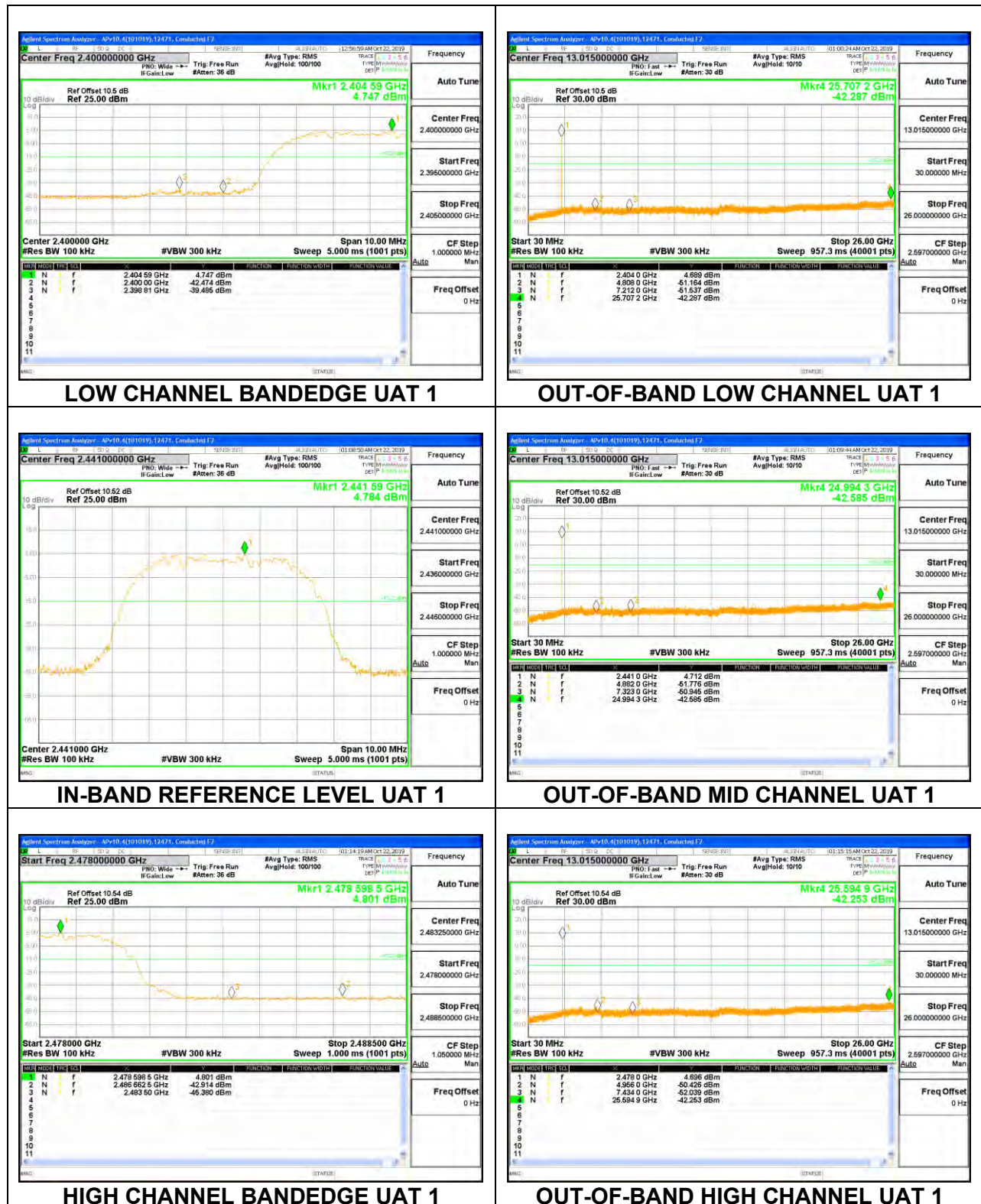
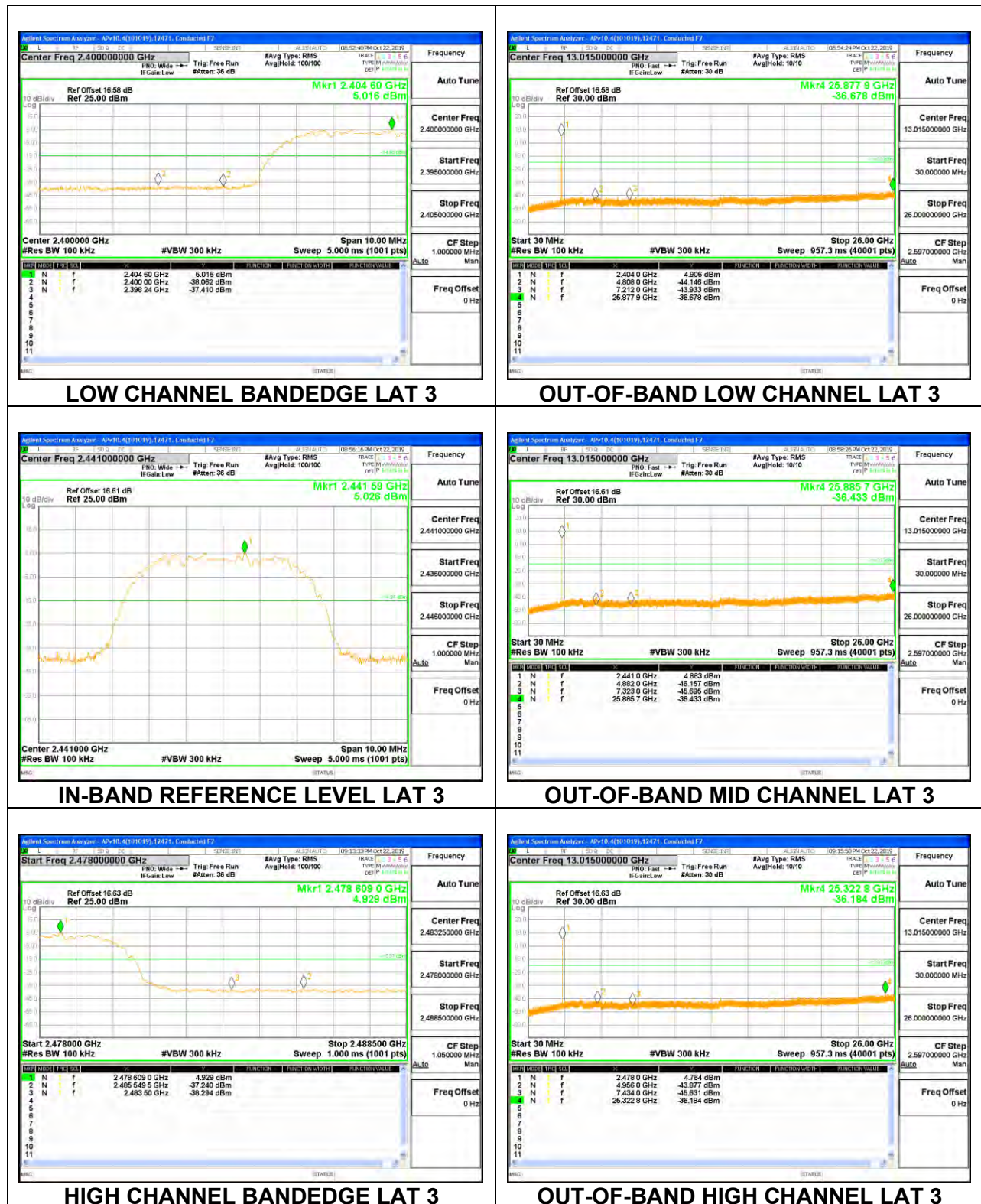


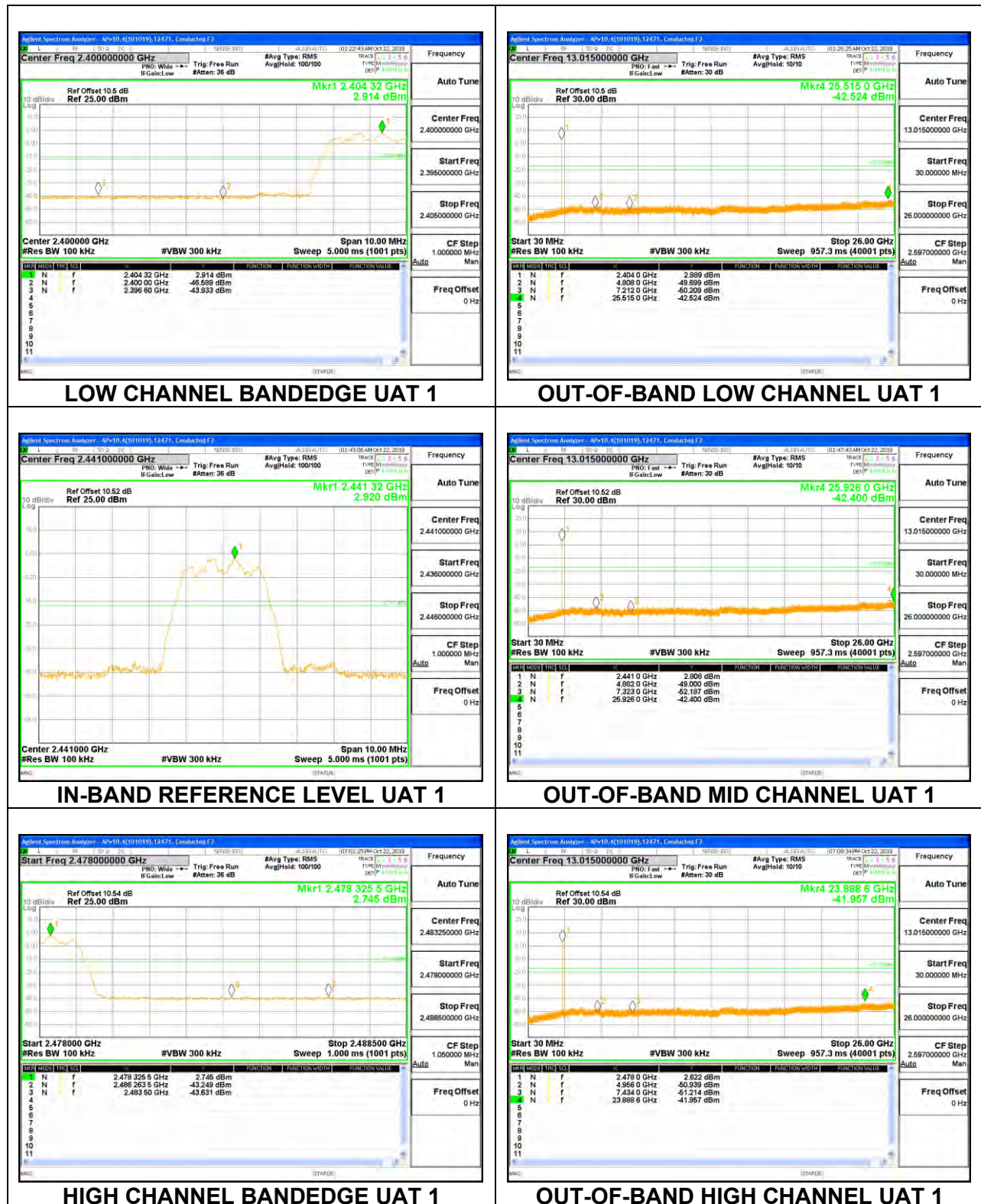


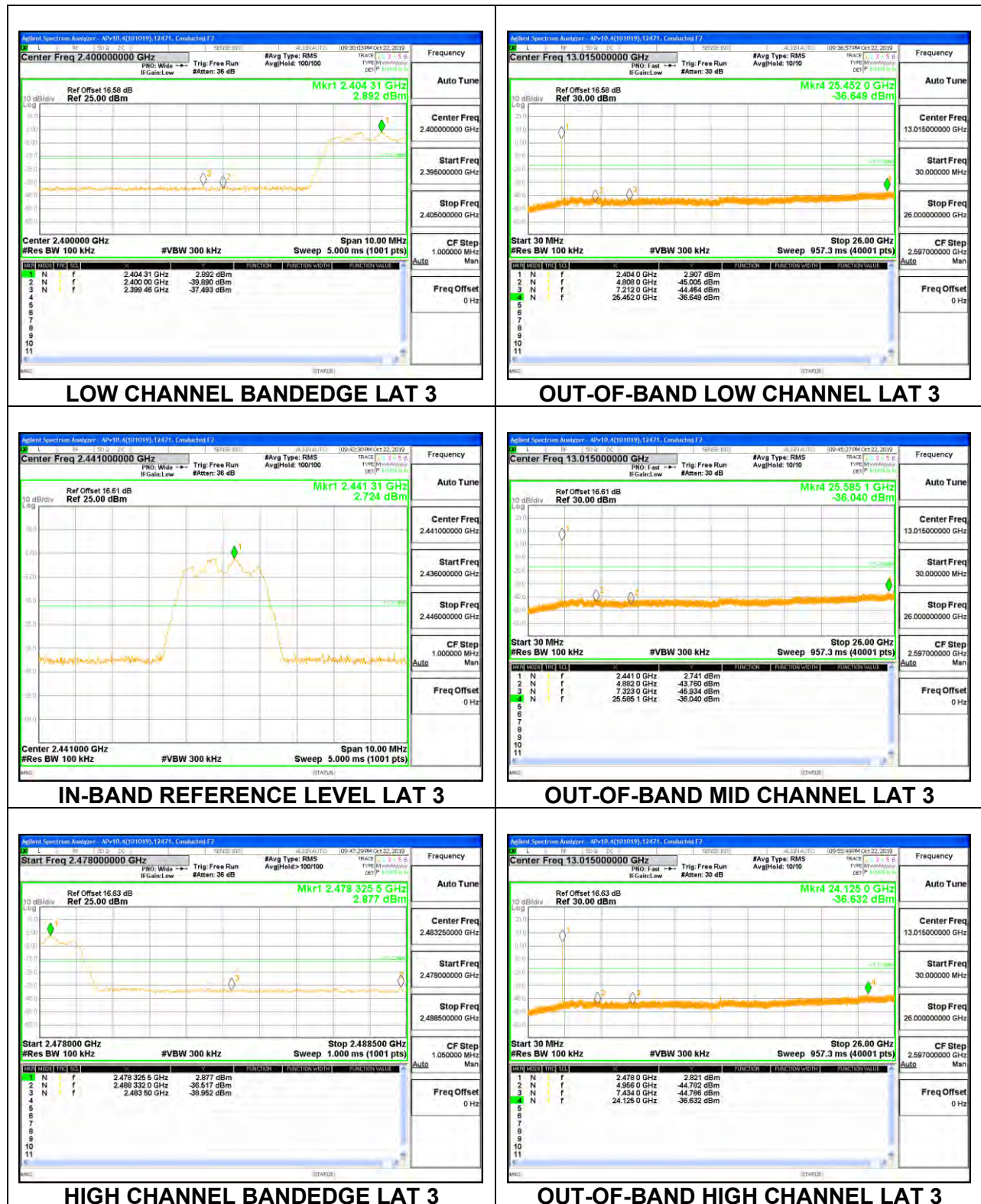
8.7.6. BEAMFORMING HIGH POWER HDR (HDR8)



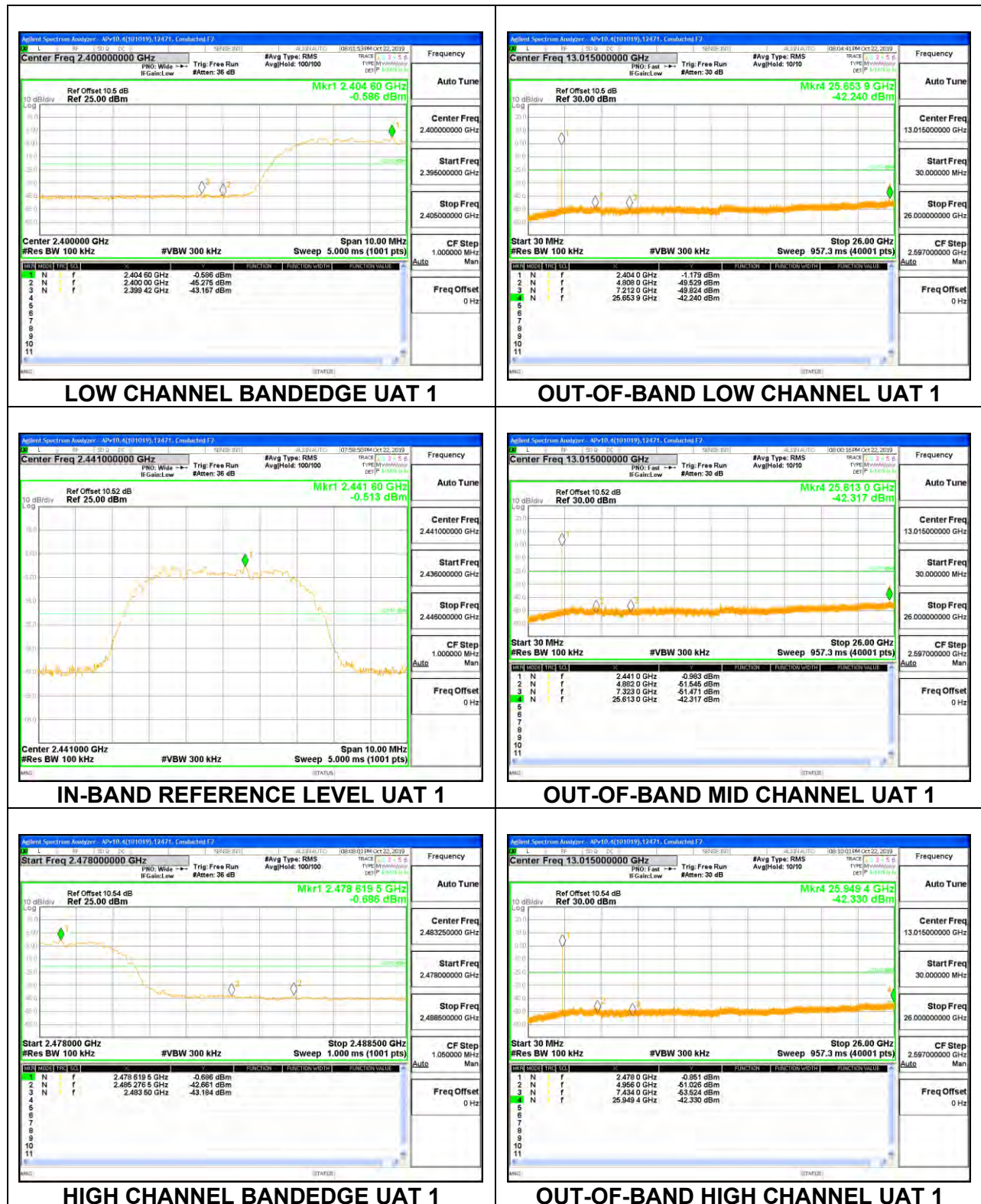


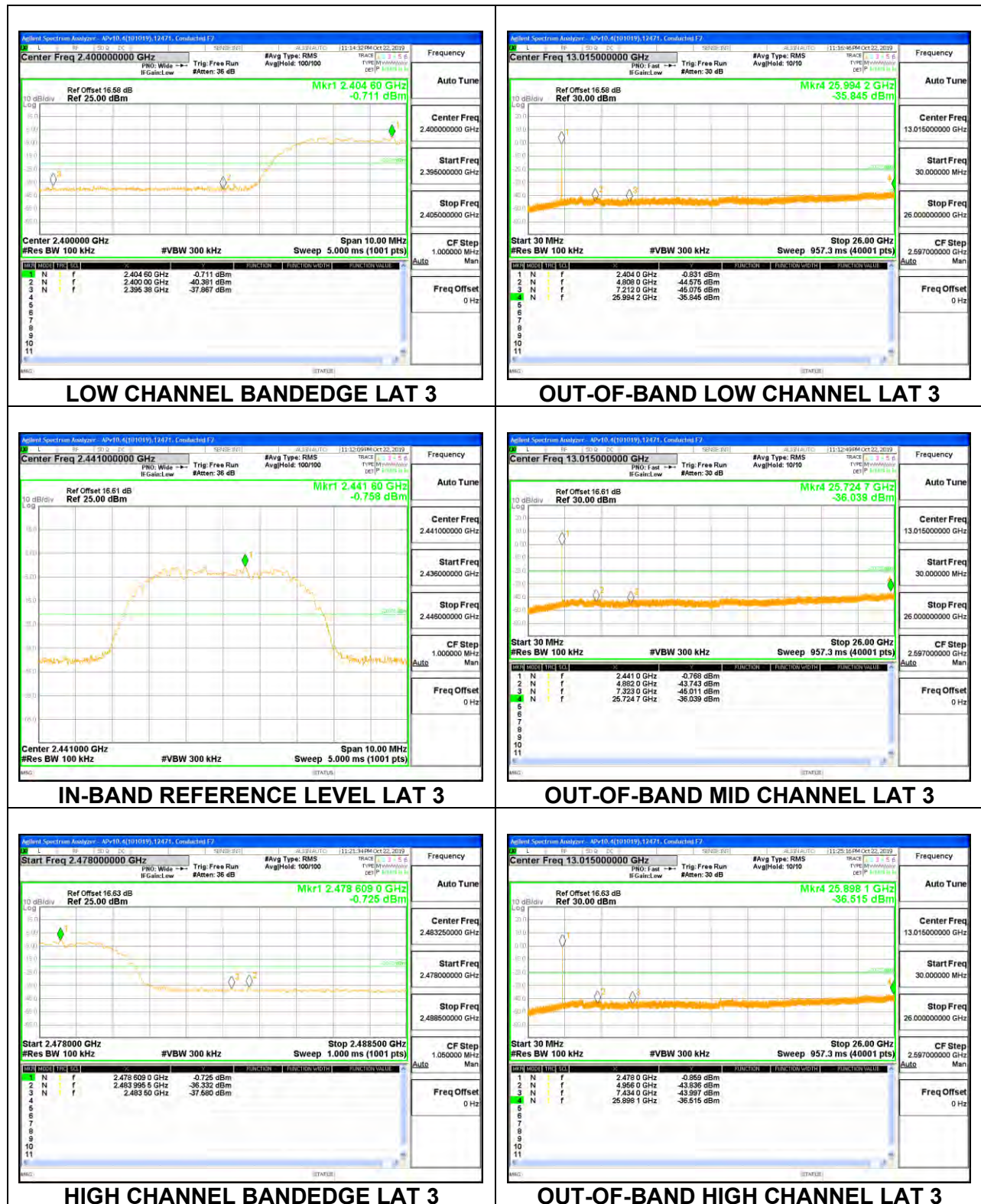
8.7.7. BEAMFORMING LOW POWER HDR (HDR4)





8.7.8. BEAMFORMING LOW POWER HDR (HDR8)





9. RADIATED TEST RESULTS

9.1. LIMITS AND PROCEDURE

LIMITS

FCC §15.205 and §15.209

RSS-GEN, Section 8.9 and 8.10.

Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
0.009-0.490	2400/F(kHz) @ 300 m	-
0.490-1.705	24000/F(kHz) @ 30 m	-
1.705 - 30	30 @ 30m	-
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane for measurement below 1GHz; 1.5 m above the ground plane for measurement above 1GHz. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For pre-scans above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 30 KHz for peak measurements.

For final measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and as applicable for average measurements.

The spectrum from 1 GHz to 18 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band. Below 1GHz and above 18GHz emissions, the channel with the highest output power was tested.

The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions.

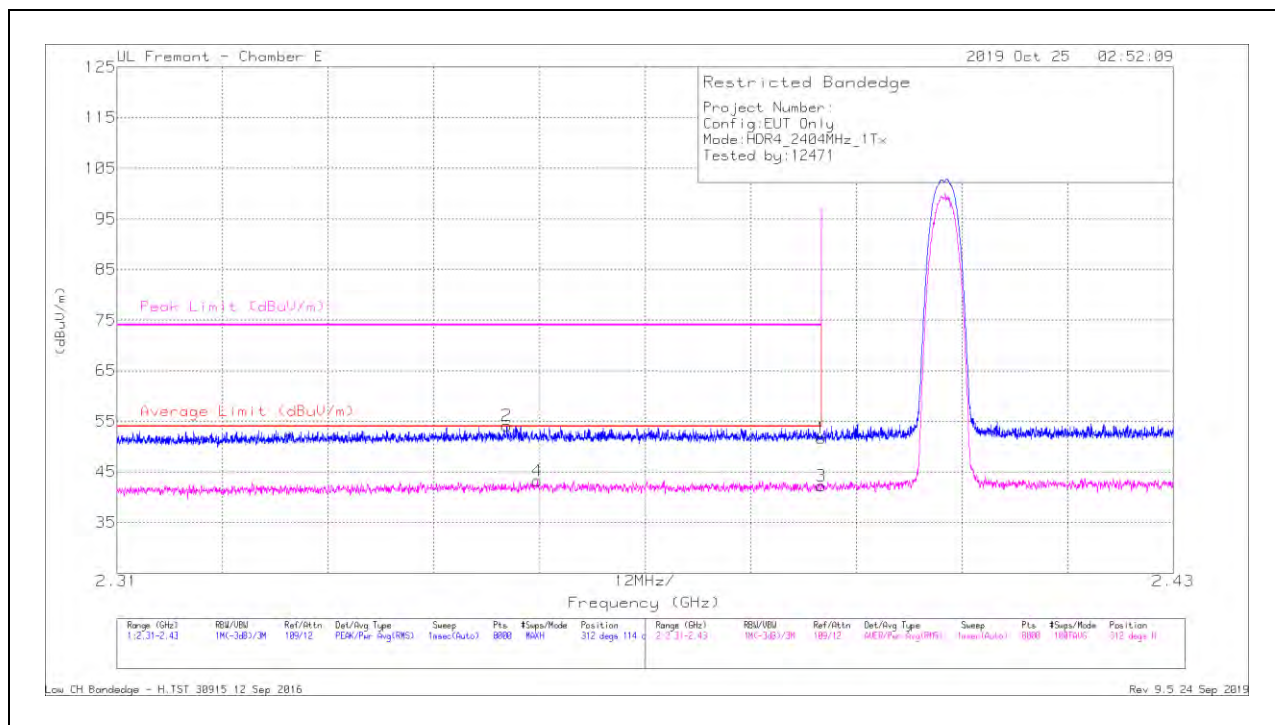
9.2. TRANSMITTER ABOVE 1 GHz

9.2.1. HIGH POWER HDR (HDR4)

UAT 1

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



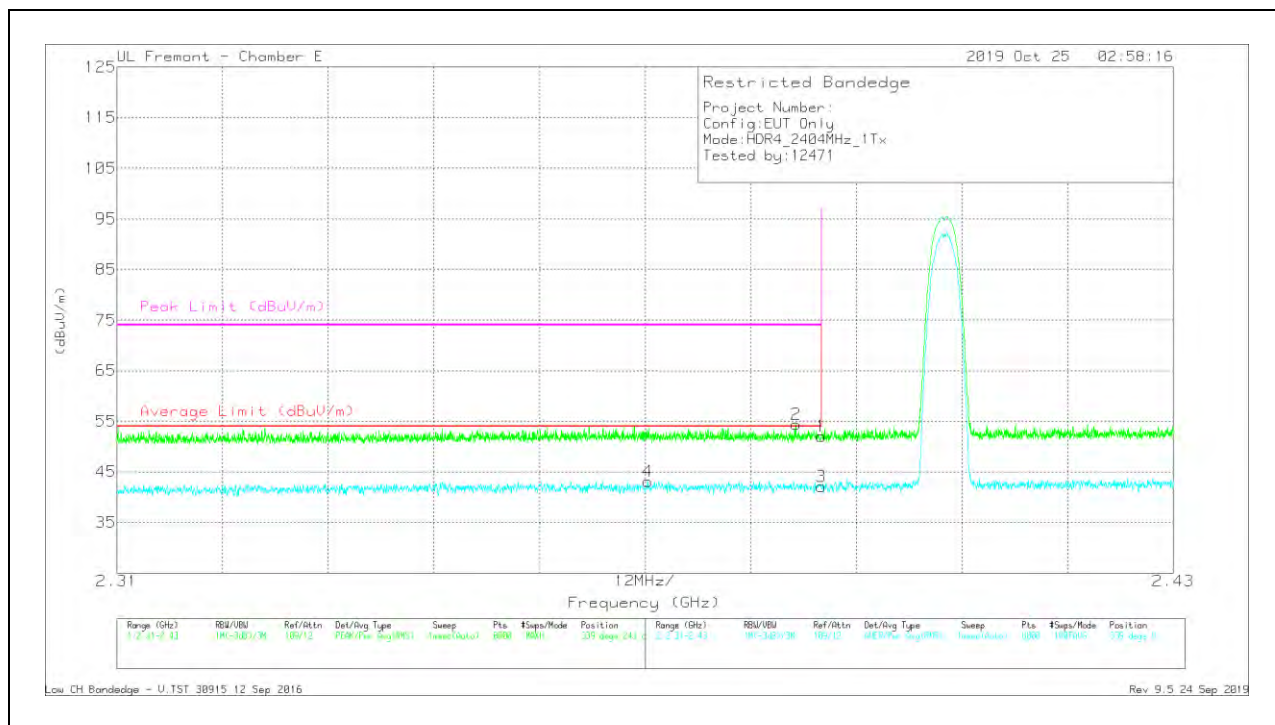
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	37.6	Pk	32.3	-18.2	51.7	-	-	74	-22.3	312	114	H
2	* 2.35429	40.16	Pk	32	-18	54.16	-	-	74	-19.84	312	114	H
3	* 2.38999	28.12	RMS	32.3	-18.2	42.22	54	-11.78	-	-	312	114	H
4	* 2.35778	29.17	RMS	32.1	-18.1	43.17	54	-10.83	-	-	312	114	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	37.92	Pk	32.3	-18.2	52.02	-	-	74	-21.98	339	243	V
2	* 2.38713	40.31	Pk	32.3	-18.2	54.41	-	-	74	-19.59	339	243	V
3	* 2.38999	28.05	RMS	32.3	-18.2	42.15	54	-11.85	-	-	339	243	V
4	* 2.37028	29.12	RMS	32.2	-18.2	43.12	54	-10.88	-	-	339	243	V

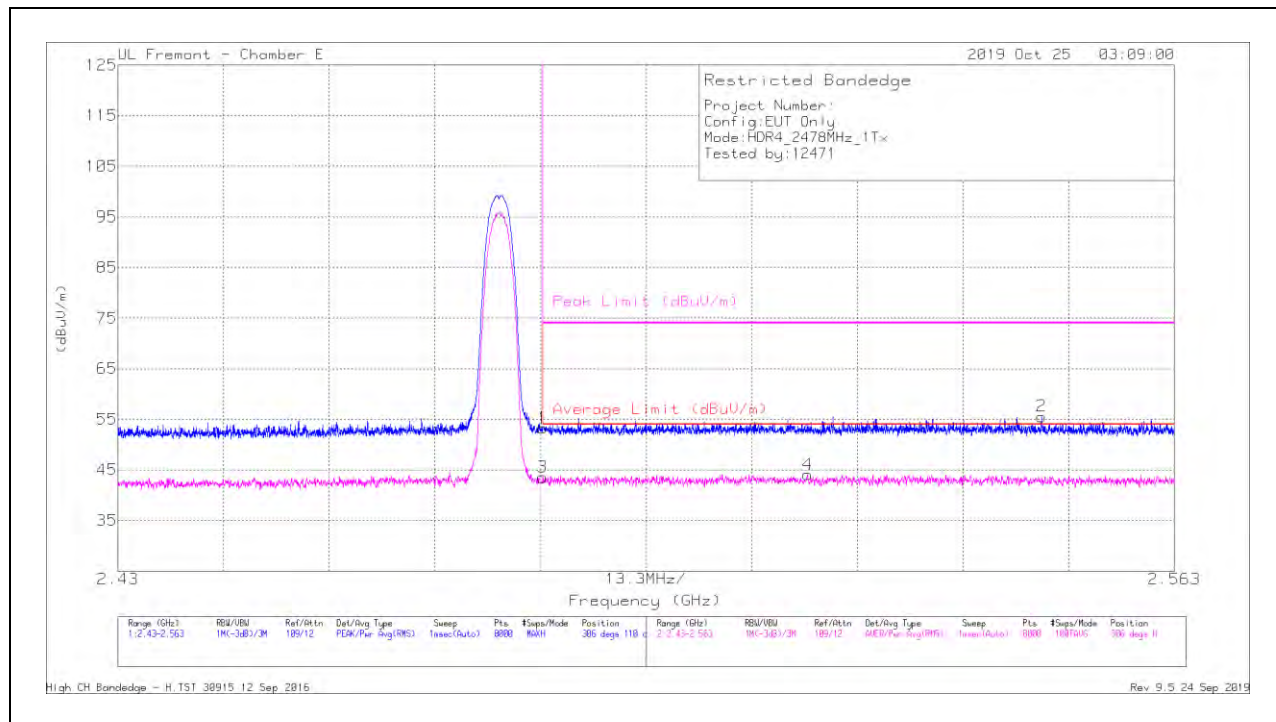
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



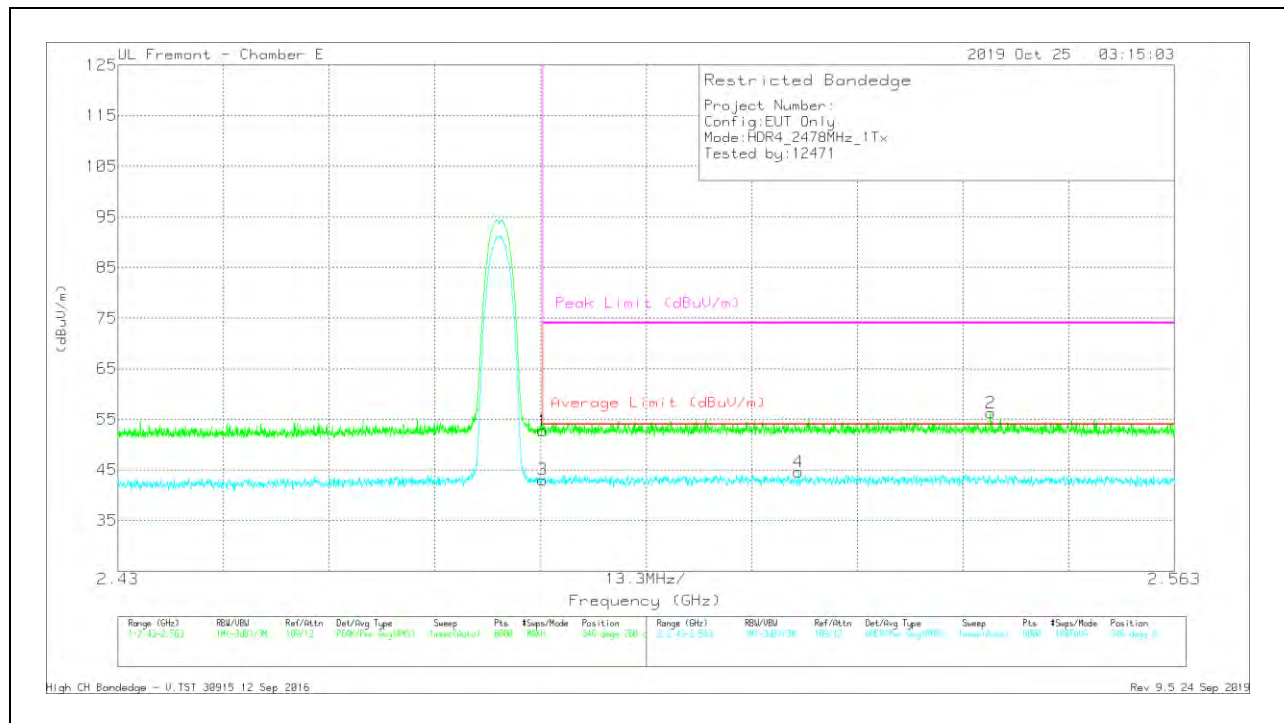
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/CbI/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	38.46	Pk	32.8	-18	53.26	-	-	74	-20.74	306	110	H
3	* 2.48351	28.73	RMS	32.8	-18	43.53	54	-10.47	-	-	306	110	H
4	2.51683	29.35	RMS	32.9	-18.2	44.05	54	-9.95	-	-	306	110	H
2	2.54627	40.87	Pk	32.8	-18.1	55.57	-	-	74	-18.43	306	110	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/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	37.97	Pk	32.8	-18	52.77	-	-	74	-21.23	346	260	V
3	* 2.48351	28.23	RMS	32.8	-18	43.03	54	-10.97	-	-	346	260	V
4	2.51571	29.86	RMS	32.9	-18.2	44.56	54	-9.44	-	-	346	260	V
2	2.53985	41.34	Pk	32.9	-18	56.24	-	-	74	-17.76	346	260	V

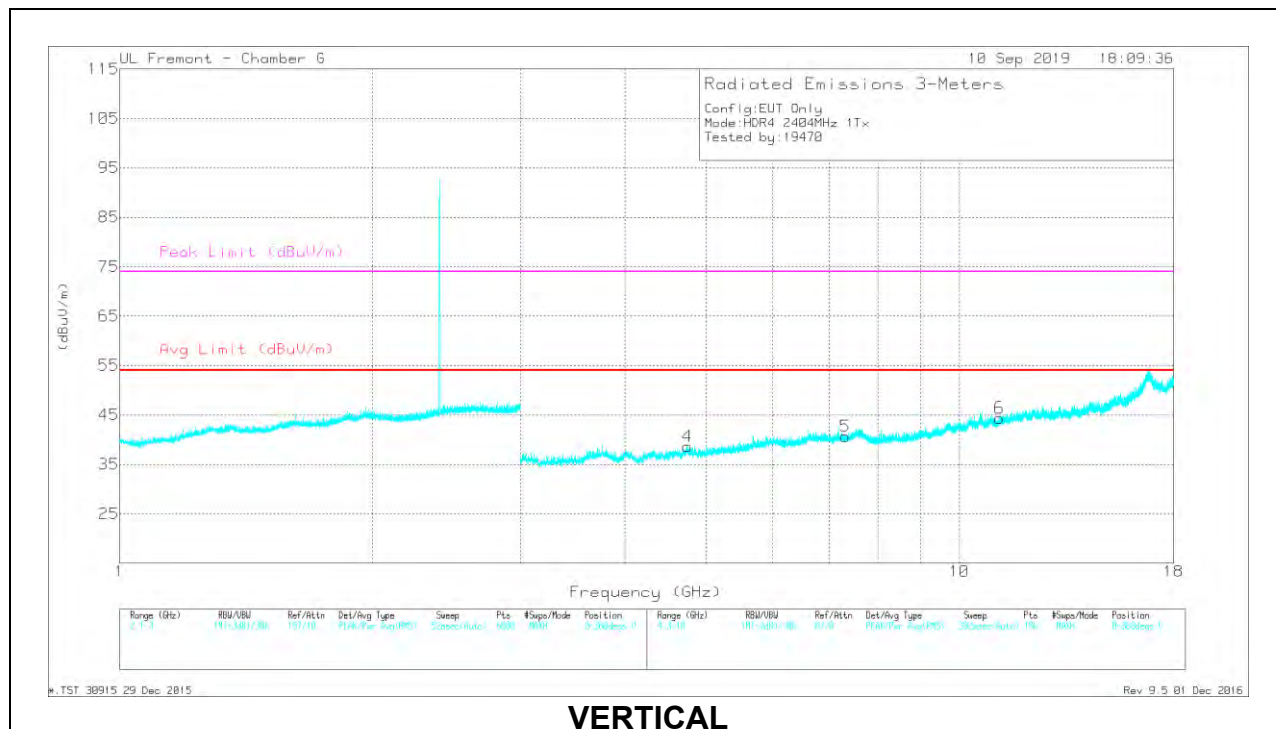
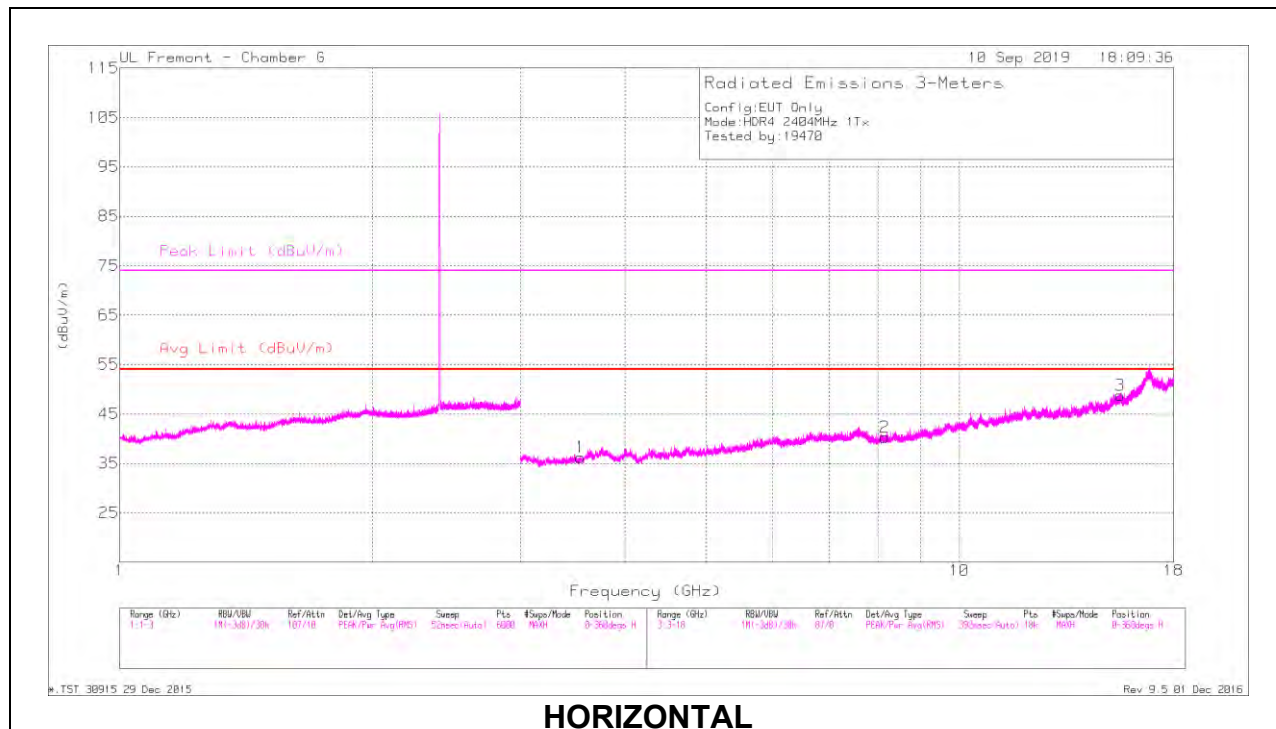
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

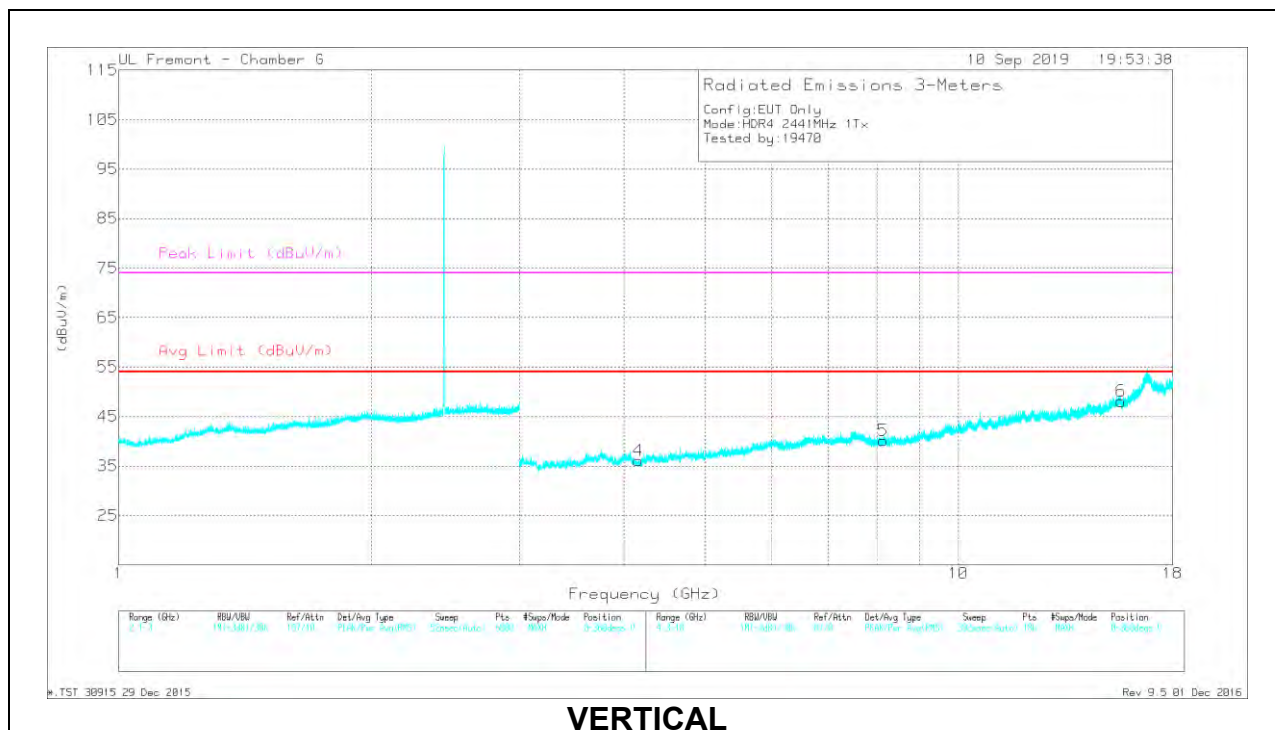
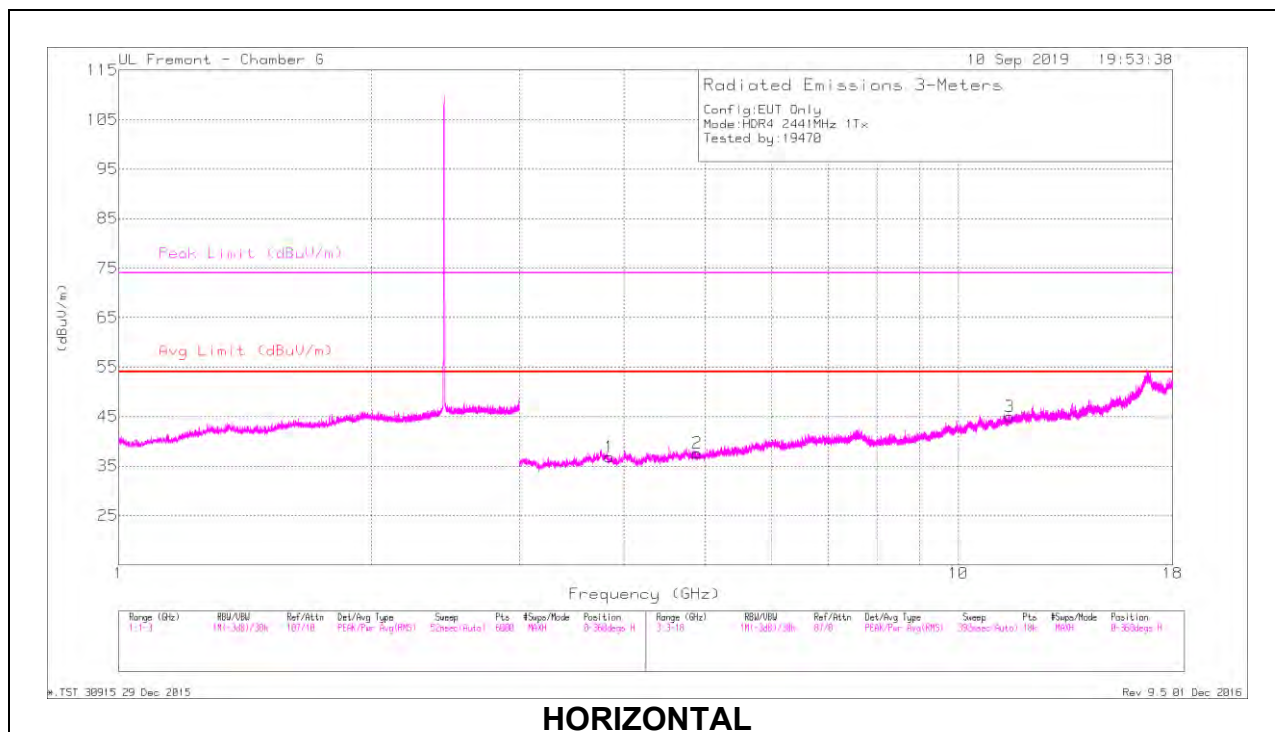
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.539	41.18	PK2	33	-30.6	43.58	-	-	74	-30.42	360	101	H
	* 3.54	30.07	MAv1	33	-30.7	32.37	54	-21.63	-	-	360	101	H
2	* 8.159	38.51	PK2	35.6	-26.4	47.71	-	-	74	-26.29	360	101	H
	* 8.158	27.39	MAv1	35.6	-26.4	36.59	54	-17.41	-	-	360	101	H
3	* 15.557	37.6	PK2	41	-22.6	56	-	-	74	-18	360	101	H
	* 15.553	26.66	MAv1	41	-22.6	45.06	54	-8.94	-	-	360	101	H
4	* 4.747	40.14	PK2	34	-29.6	44.54	-	-	74	-29.46	360	101	V
	* 4.748	29.48	MAv1	34	-29.6	33.88	54	-20.12	-	-	360	101	V
5	* 7.322	39.53	PK2	36.3	-27.6	48.23	-	-	74	-25.77	360	101	V
	* 7.322	28.21	MAv1	36.3	-27.6	36.91	54	-17.09	-	-	360	101	V
6	* 11.168	36.94	PK2	37.7	-23.4	51.24	-	-	74	-22.76	360	101	V
	* 11.17	26.03	MAv1	37.7	-23.3	40.43	54	-13.57	-	-	360	101	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

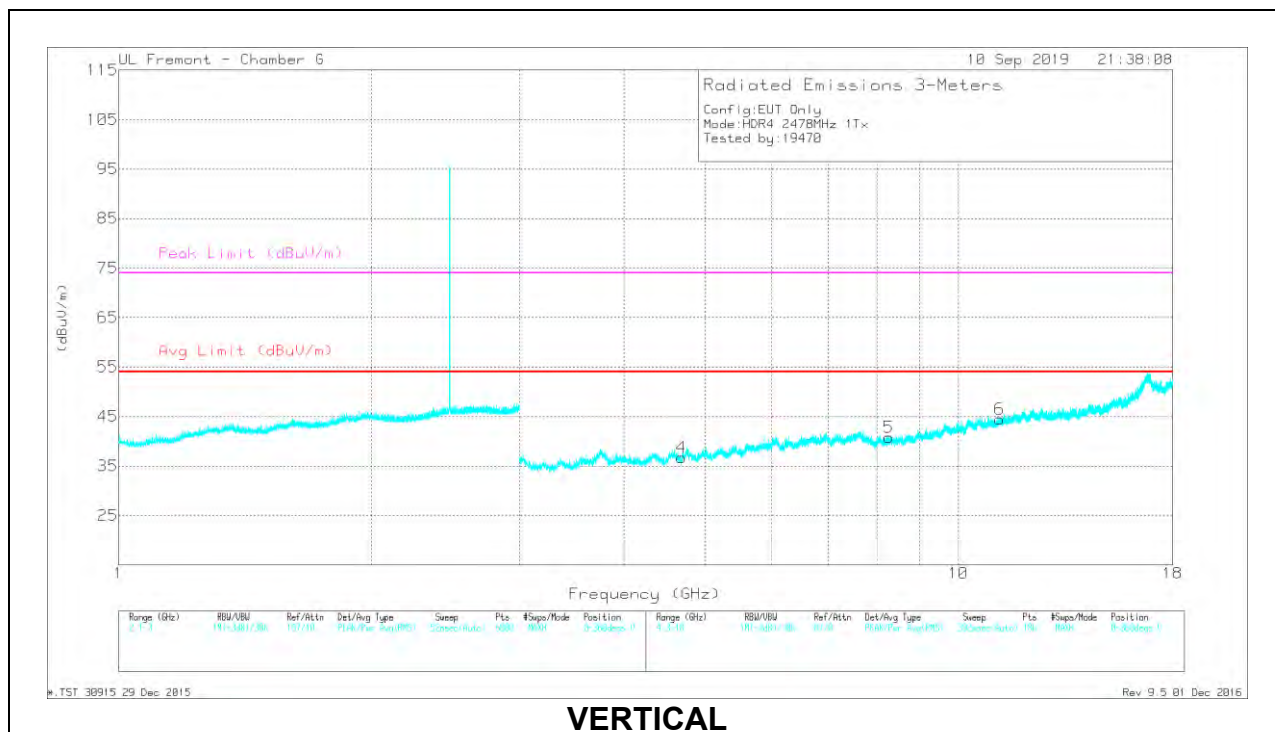
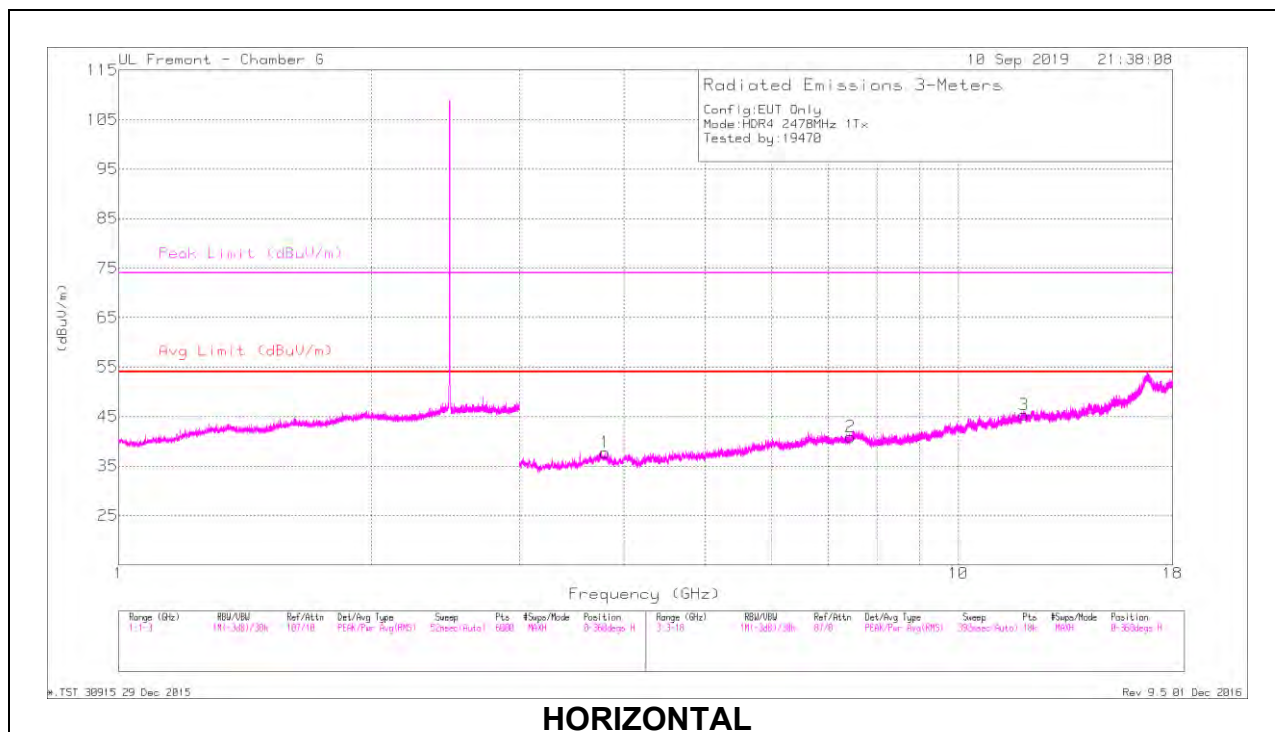
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.847	41.22	PK2	33.5	-30.6	44.12	-	-	74	-29.88	0	101	H
	* 3.845	30.19	MAv1	33.5	-30.6	33.09	54	-20.91	-	-	0	101	H
2	* 4.887	40.46	PK2	34	-29.6	44.86	-	-	74	-29.14	0	101	H
	* 4.885	28.98	MAv1	34	-29.6	33.38	54	-20.62	-	-	0	101	H
3	* 11.52	36.3	PK2	38.2	-22.7	51.8	-	-	74	-22.2	0	101	H
	* 11.517	25.41	MAv1	38.2	-22.7	40.91	54	-13.09	-	-	0	101	H
4	* 4.16	41.78	PK2	33.2	-30.5	44.48	-	-	74	-29.52	0	101	V
	* 4.162	30.01	MAv1	33.2	-30.4	32.81	54	-21.19	-	-	0	101	V
5	* 8.141	38.13	PK2	35.6	-26.5	47.23	-	-	74	-26.77	0	101	V
	* 8.14	27.32	MAv1	35.6	-26.5	36.42	54	-17.58	-	-	0	101	V
6	* 15.633	37.57	PK2	40.8	-23.1	55.27	-	-	74	-18.73	0	101	V
	* 15.629	26.64	MAv1	40.8	-23	44.44	54	-9.56	-	-	0	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 T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.795	40.86	PK2	33.4	-29.6	44.66	-	-	74	-29.34	0	101	H
	* 3.796	29.54	MAv1	33.5	-29.6	33.44	54	-20.56	-	-	0	101	H
2	* 7.444	39.71	PK2	36.5	-27.7	48.51	-	-	74	-25.49	0	101	H
	* 7.443	28.63	MAv1	36.5	-27.7	37.43	54	-16.57	-	-	0	101	H
3	* 11.977	35.96	PK2	38.8	-22.2	52.56	-	-	74	-21.44	0	101	H
	* 11.978	25.43	MAv1	38.8	-22.2	42.03	54	-11.97	-	-	0	101	H
4	* 4.685	40.87	PK2	34	-29.6	45.27	-	-	74	-28.73	0	101	V
	* 4.685	29.41	MAv1	34	-29.6	33.81	54	-20.19	-	-	0	101	V
5	* 8.267	39.37	PK2	35.7	-27	48.07	-	-	74	-25.93	0	101	V
	* 8.267	27.88	MAv1	35.7	-27	36.58	54	-17.42	-	-	0	101	V
6	* 11.205	36.92	PK2	37.8	-23	51.72	-	-	74	-22.28	0	101	V
	* 11.205	25.8	MAv1	37.8	-23	40.6	54	-13.4	-	-	0	101	V

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

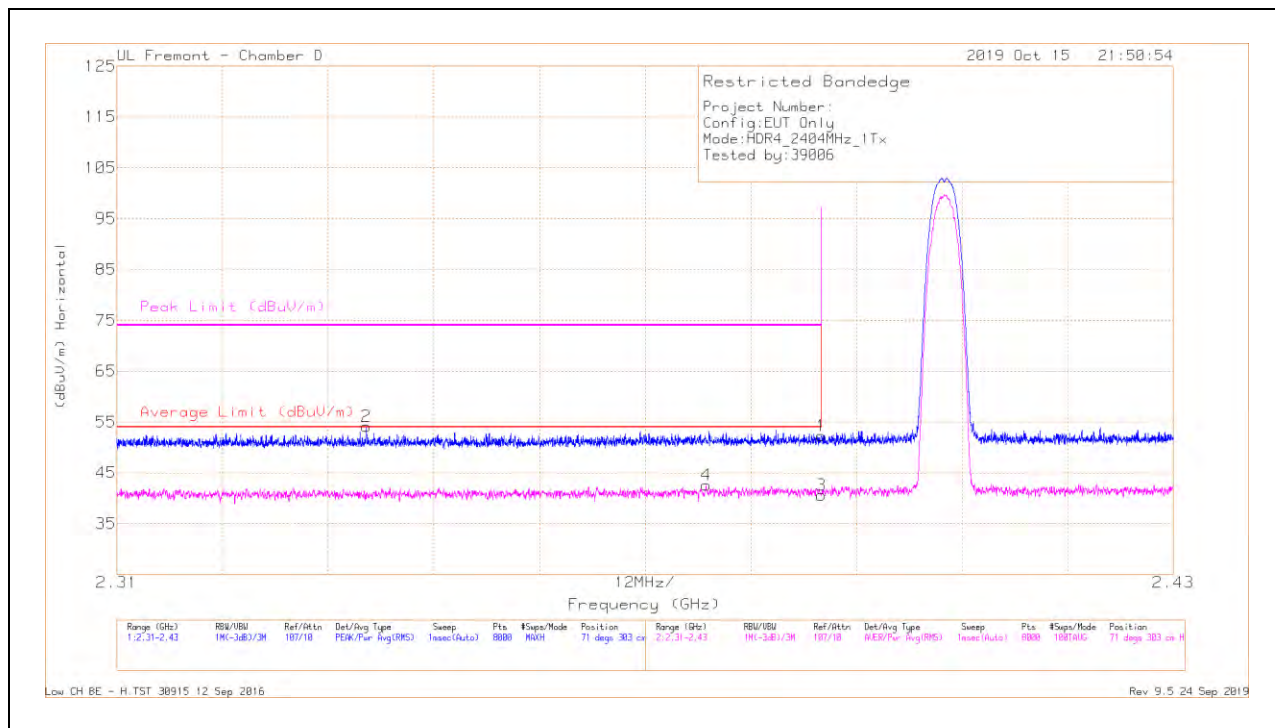
PK2 - KDB558074 Method: Maximum Peak

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
2	* 2.33832	42.96	Pk	31.8	-20.6	54.16	-	-	74	-19.84	71	303	H
4	* 2.37694	31.17	RMS	31.9	-20.5	42.57	54	-11.43	-	-	71	303	H
1	* 2.38999	40.77	Pk	32	-20.5	52.27	-	-	74	-21.73	71	303	H
3	* 2.38999	29.15	RMS	32	-20.5	40.65	54	-13.35	-	-	71	303	H

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

Pk - Peak detector

RMS - RMS detection

UL Fremont - Chamber D

2019 Oct 15 22:00:25

Restricted Bandedge

Project Number:

Config:EUT Only

Mode:HDR4_2484MHz_1Tx

Tested by:39006

Peak Limit (dBuV/m)

Average Limit (dBuV/m)

12MHz/

Frequency (GHz)

Range (GHz) 1:2.31-2.43 RBW/VBW 1K-3dB/10K Ref/Att'n 10/10 Det/Avg Type FEM/Per Avg(RMS) Sweep 1sec/Auto Pts 8000 #Swept/Mode 1/1 Position 1 step 150 on

Range (GHz) 2:2.31-2.43 RBW/VBW 1K-3dB/10K Ref/Att'n 10/10 Det/Avg Type FEM/Per Avg(RMS) Sweep 1sec/Auto Pts 8000 #Swept/Mode 1/1 Position 1 step 150 on

Low CH 8E - U-TST 30915 12 Sep 2016

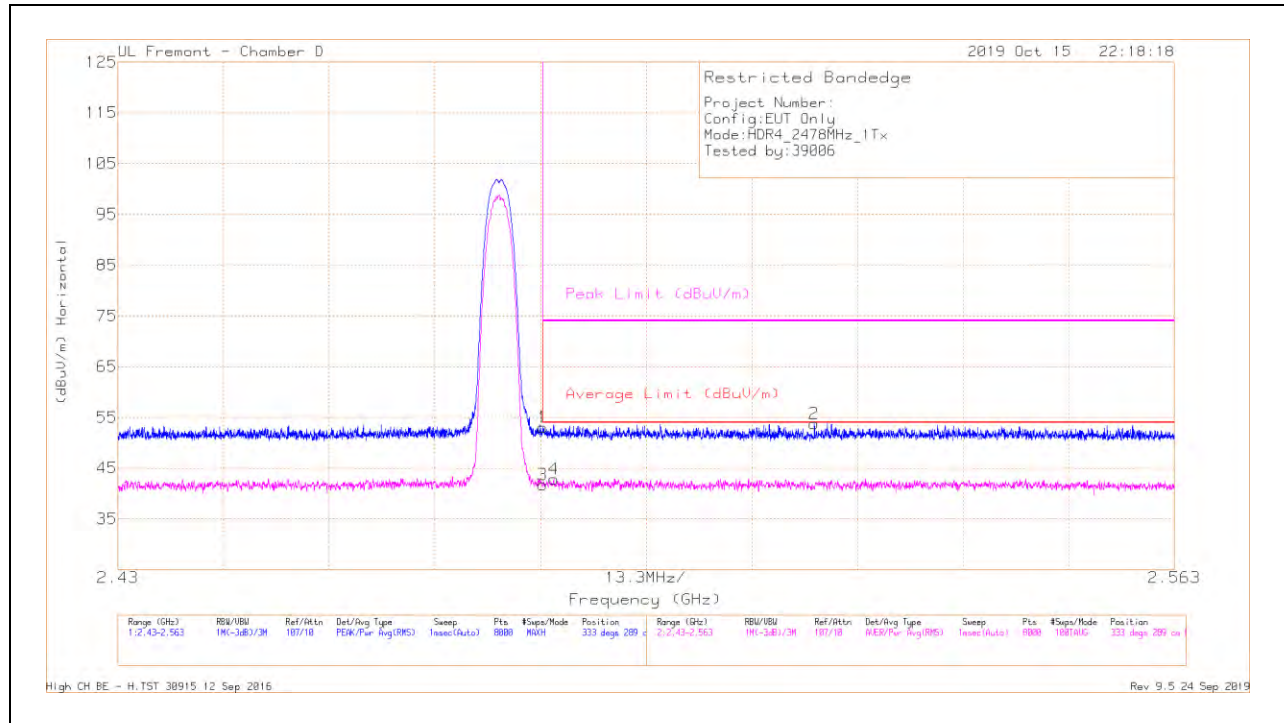
Rev 9.5 24 Sep 2019

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	* 2.34739	42.51	Pk	31.8	-20.6	53.71	-	-	74	-20.29	1	169	V
4	* 2.38563	31.31	RMS	32	-20.6	42.71	54	-11.29	-	-	1	169	V
1	* 2.38999	40.27	Pk	32	-20.5	51.77	-	-	74	-22.23	1	169	V
3	* 2.38999	29.08	RMS	32	-20.5	40.58	54	-13.42	-	-	1	169	V

Pk - Peak detector
RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



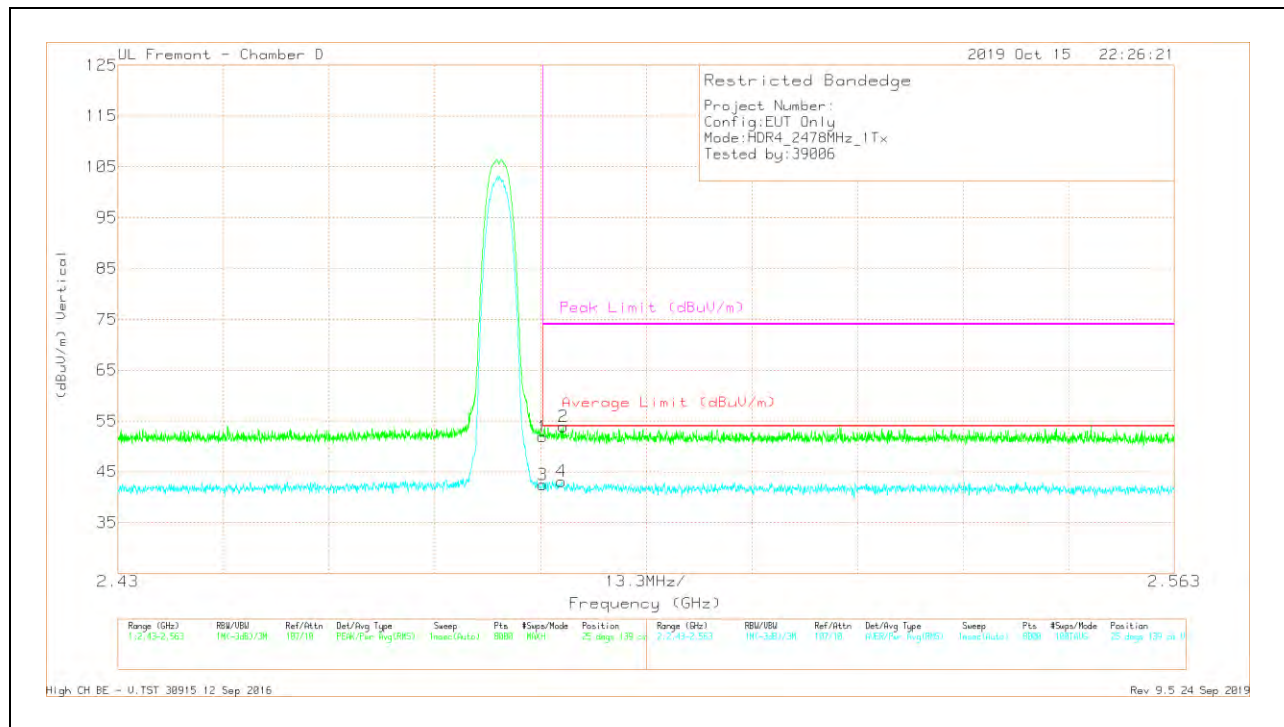
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	41.16	Pk	32.4	-20.5	53.06	-	-	74	-20.94	333	289	H
3	* 2.48351	29.81	RMS	32.4	-20.5	41.71	54	-12.29	-	-	333	289	H
4	* 2.48489	31.09	RMS	32.3	-20.5	42.89	54	-11.11	-	-	333	289	H
2	2.51769	42	Pk	32.3	-20.5	53.8	-	-	74	-20.2	333	289	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	40.03	Pk	32.4	-20.5	51.93	-	-	74	-22.07	25	139	V
3	* 2.48351	30.56	RMS	32.4	-20.5	42.46	54	-11.54	-	-	25	139	V
4	* 2.48587	31.35	RMS	32.3	-20.5	43.15	54	-10.85	-	-	25	139	V
2	* 2.48607	42.1	Pk	32.3	-20.5	53.9	-	-	74	-20.1	25	139	V

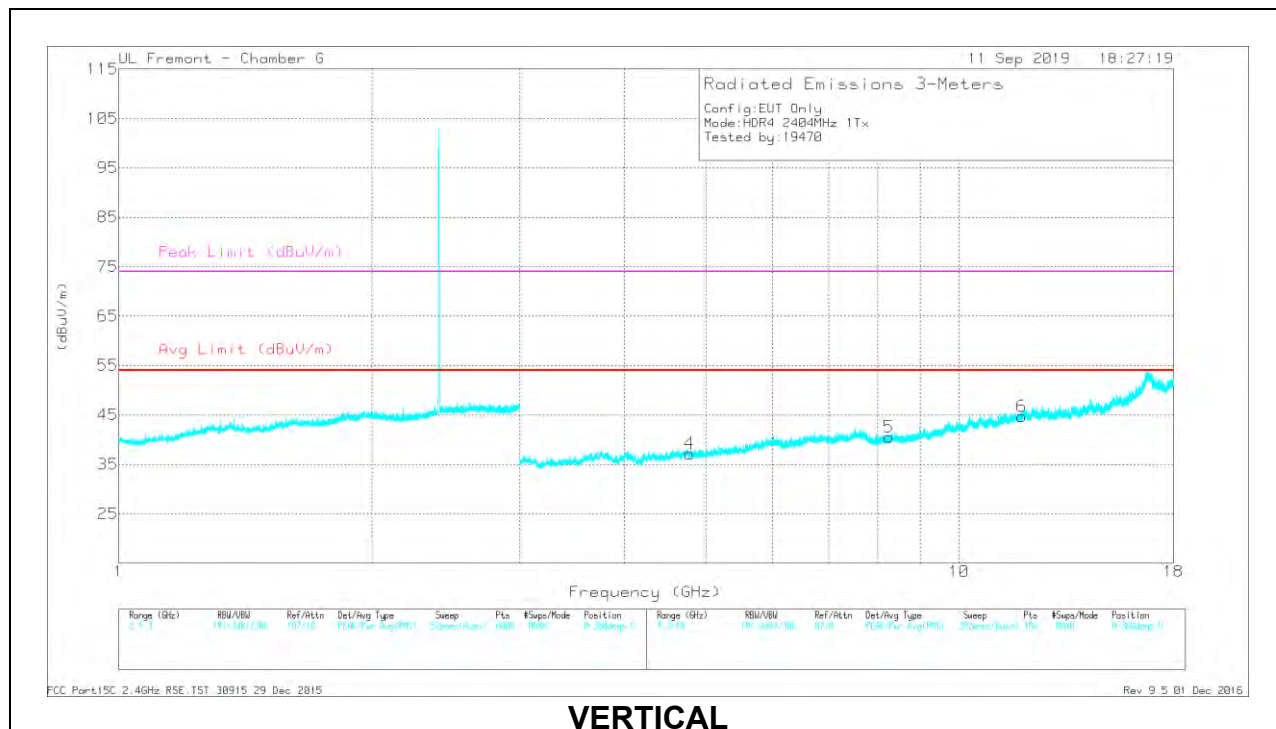
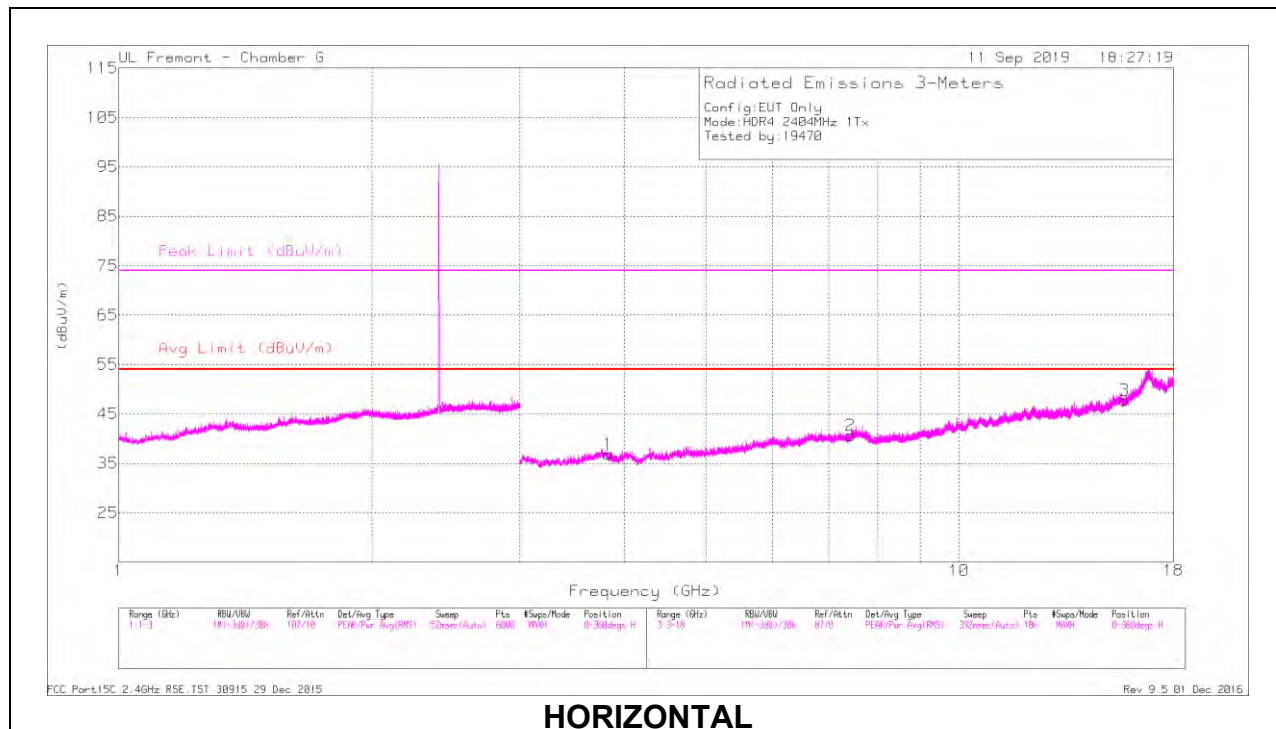
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

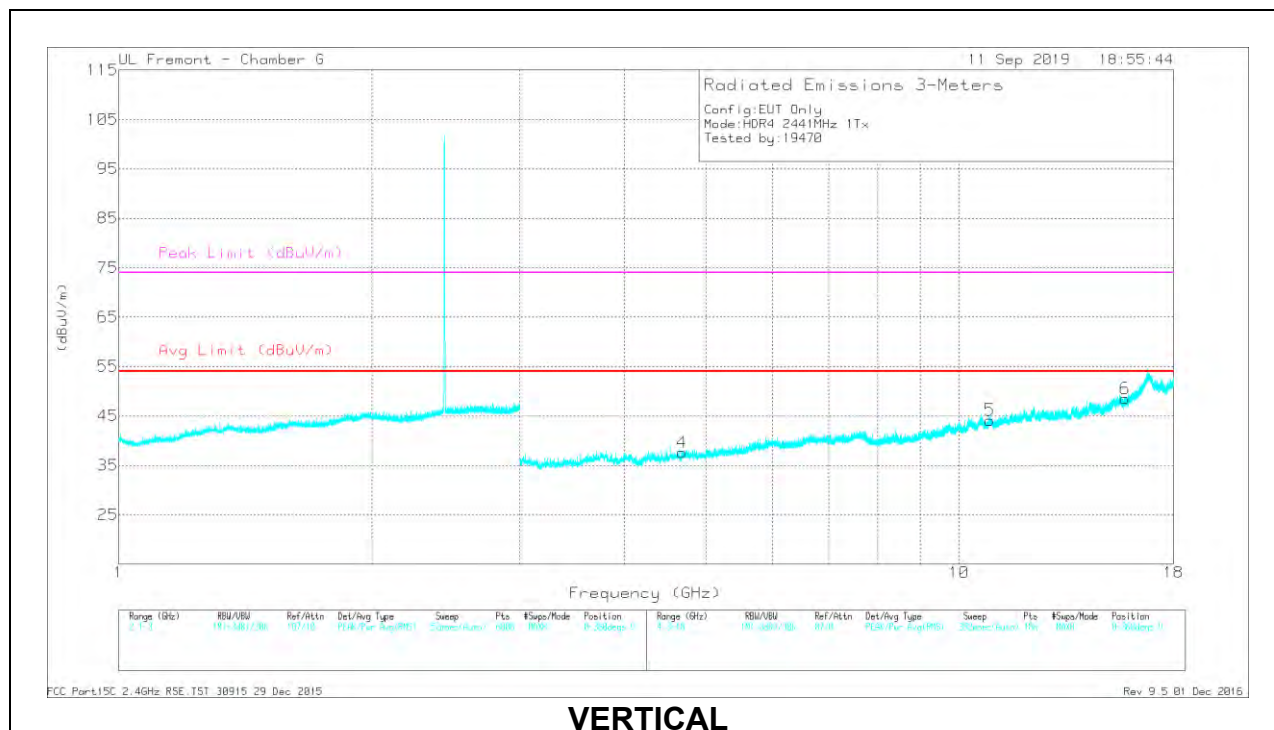
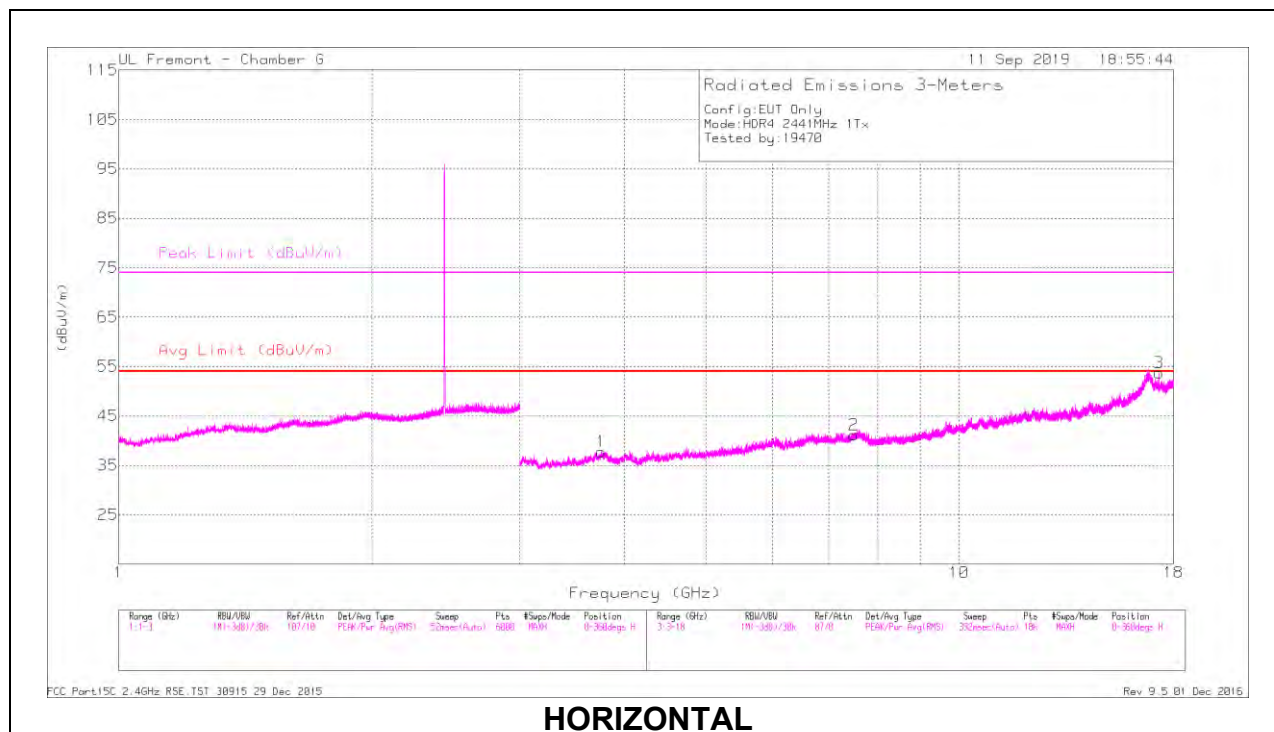
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.823	40.96	PK2	33.5	-30.2	44.26	-	-	74	-29.74	0	101	H
	* 3.824	30.02	MAv1	33.5	-30.3	33.22	54	-20.78	-	-	0	101	H
2	* 7.43	40.27	PK2	36.4	-27.9	48.77	-	-	74	-25.23	0	101	H
	* 7.43	28.55	MAv1	36.4	-27.9	37.05	54	-16.95	-	-	0	101	H
3	* 15.742	36.97	PK2	40.7	-22.6	55.07	-	-	74	-18.93	0	101	H
	* 15.745	26.46	MAv1	40.7	-22.6	44.56	54	-9.44	-	-	0	101	H
4	* 4.783	40.93	PK2	34.1	-29.8	45.23	-	-	74	-28.77	0	101	V
	* 4.78	28.9	MAv1	34.1	-29.8	33.2	54	-20.8	-	-	0	101	V
5	* 8.255	39.15	PK2	35.7	-26.9	47.95	-	-	74	-26.05	0	101	V
	* 8.255	27.87	MAv1	35.7	-26.9	36.67	54	-17.33	-	-	0	101	V
6	* 11.879	37.04	PK2	38.7	-22.9	52.84	-	-	74	-21.16	0	101	V
	* 11.879	25.37	MAv1	38.7	-22.9	41.17	54	-12.83	-	-	0	101	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

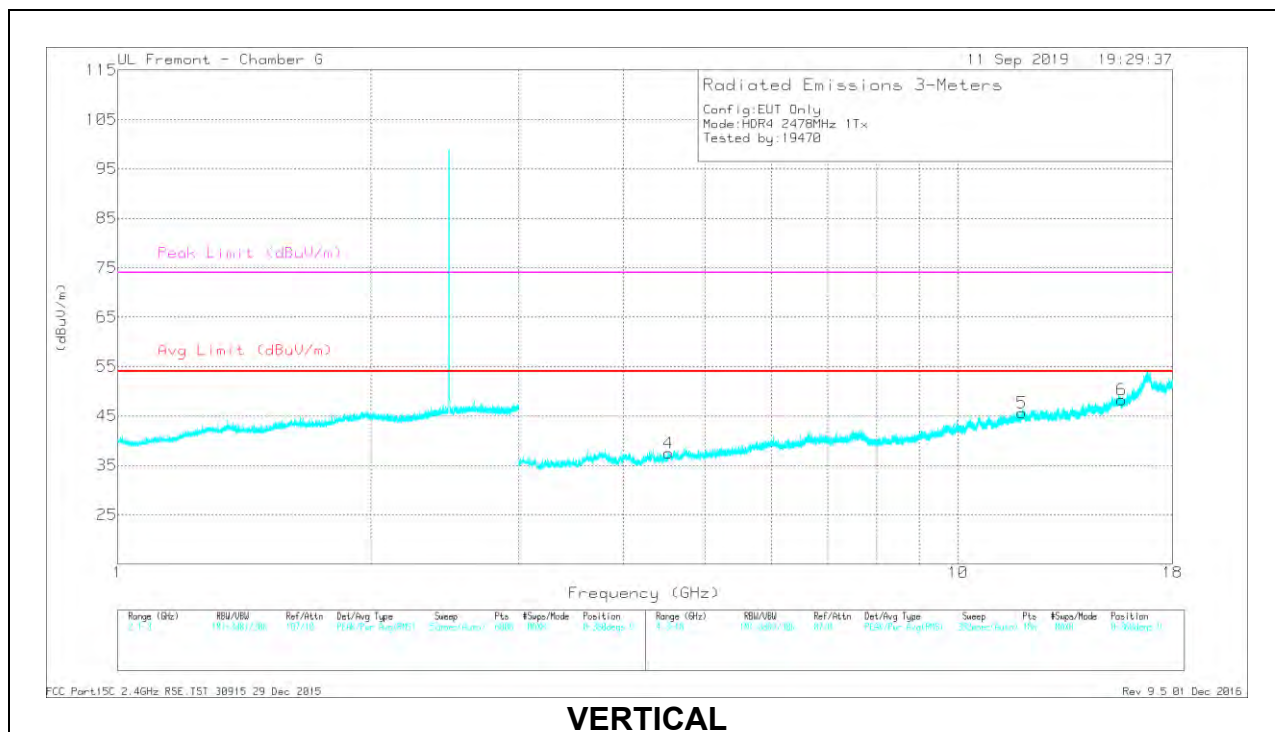
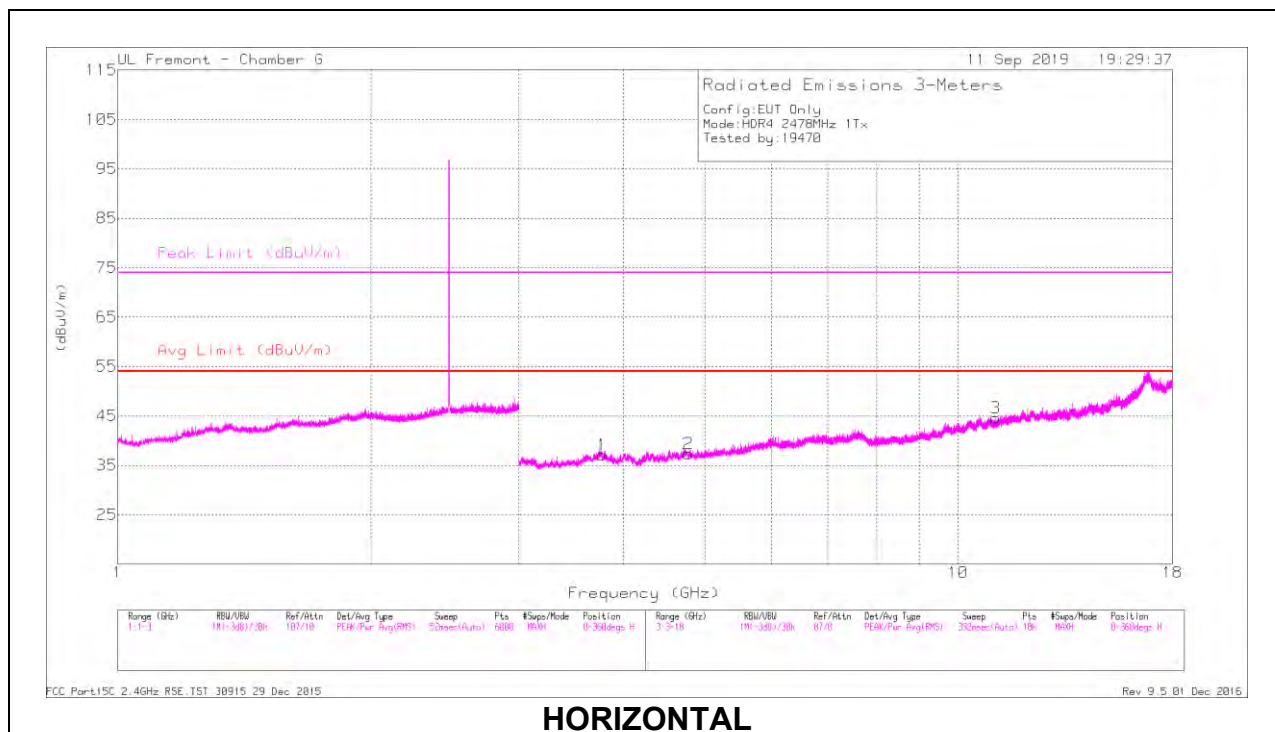
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.751	40.66	PK2	33.2	-28.9	44.96	-	-	74	-29.04	0	101	H
	* 3.754	29.25	MAv1	33.2	-28.9	33.55	54	-20.45	-	-	0	101	H
2	* 7.493	38.86	PK2	36.6	-27.2	48.26	-	-	74	-25.74	0	101	H
	* 7.496	28.16	MAv1	36.6	-27.2	37.56	54	-16.44	-	-	0	101	H
4	* 4.681	40.04	PK2	34	-29.7	44.34	-	-	74	-29.66	0	101	V
	* 4.681	29.22	MAv1	34	-29.7	33.52	54	-20.48	-	-	0	101	V
5	* 10.879	37.28	PK2	37.6	-23.1	51.78	-	-	74	-22.22	0	101	V
	* 10.88	26.11	MAv1	37.6	-23	40.71	54	-13.29	-	-	0	101	V
6	* 15.771	37.3	PK2	40.6	-22.8	55.1	-	-	74	-18.9	0	101	V
	* 15.77	26.06	MAv1	40.6	-22.8	43.86	54	-10.14	-	-	0	101	V
3	17.291	35.99	PK2	41.6	-19.4	58.19	-	-	-	-	127	149	H

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.774	41.12	PK2	33.3	-29.5	44.92	-	-	74	-29.08	0	101	H
	* 3.774	29.37	MAv1	33.3	-29.5	33.17	54	-20.83	-	-	0	101	H
2	* 4.775	39.82	PK2	34.1	-29.8	44.12	-	-	74	-29.88	0	101	H
	* 4.776	28.84	MAv1	34.1	-29.8	33.14	54	-20.86	-	-	0	101	H
3	* 11.087	37.43	PK2	37.7	-23.6	51.53	-	-	74	-22.47	0	101	H
	* 11.087	25.89	MAv1	37.7	-23.6	39.99	54	-14.01	-	-	0	101	H
4	* 4.521	41.08	PK2	33.8	-30	44.88	-	-	74	-29.12	0	101	V
	* 4.522	29.79	MAv1	33.8	-30	33.59	54	-20.41	-	-	0	101	V
5	* 11.917	36.46	PK2	38.7	-22.7	52.46	-	-	74	-21.54	0	101	V
	* 11.915	25.4	MAv1	38.7	-22.7	41.4	54	-12.6	-	-	0	101	V
6	* 15.664	36.91	PK2	40.8	-23.1	54.61	-	-	74	-19.39	0	101	V
	* 15.662	25.5	MAv1	40.8	-23.1	43.2	54	-10.8	-	-	0	101	V

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

PK2 - KDB558074 Method: Maximum Peak

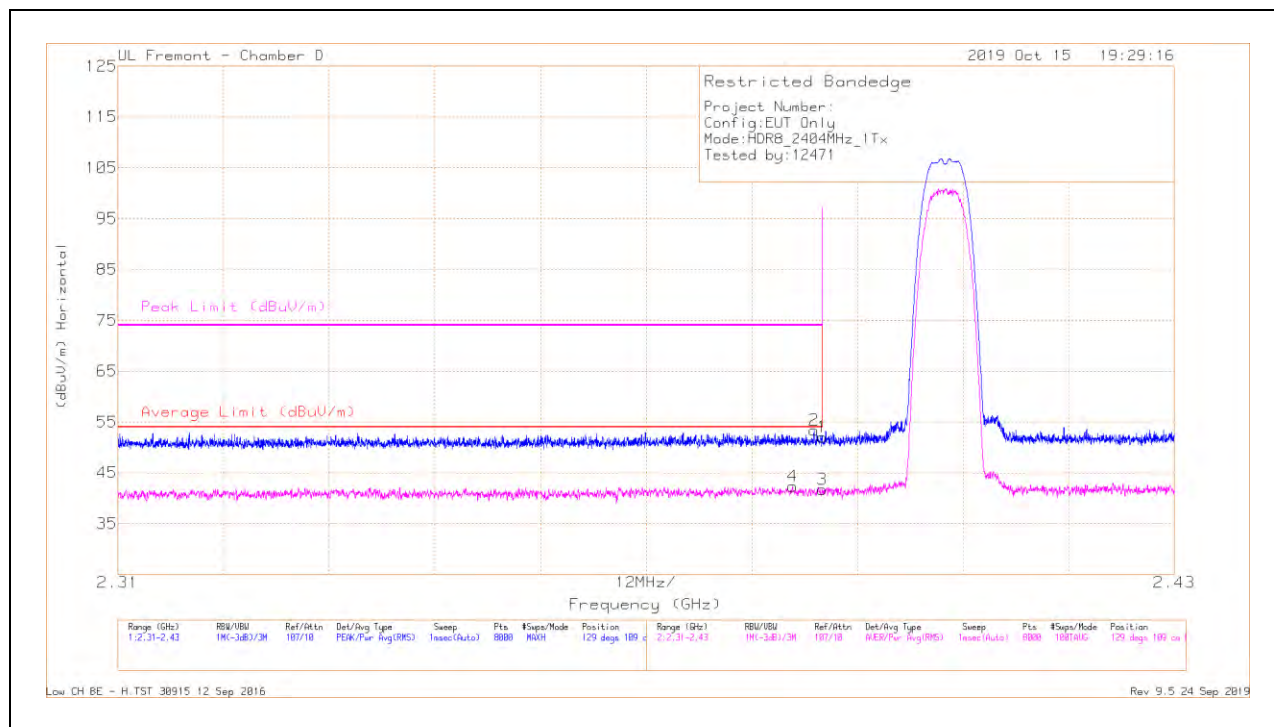
MAv1 - KDB558074 Option 1 Maximum RMS Average

9.2.2. HIGH POWER HDR (HDR8)

UAT 1

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



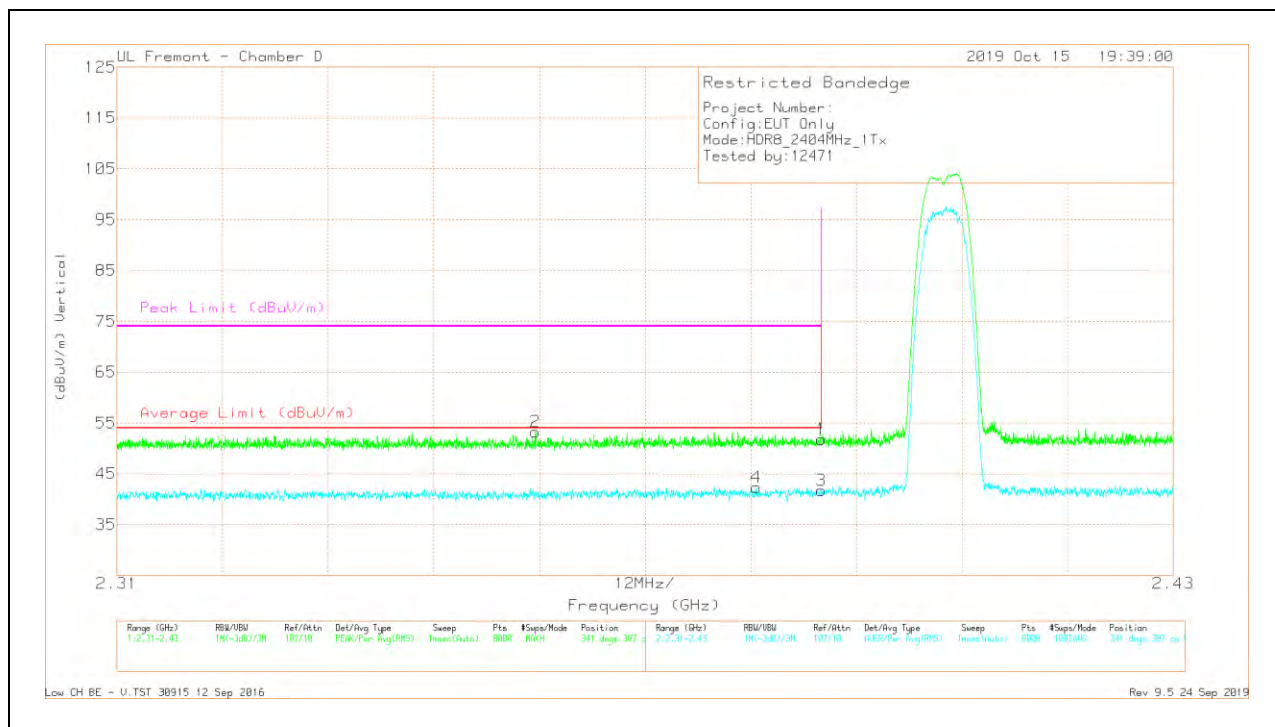
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 2.38665	31	RMS	32	-20.6	42.4	54	-11.6	-	-	129	109	H
2	* 2.38911	41.87	Pk	32	-20.5	53.37	-	-	74	-20.63	129	109	H
1	* 2.38999	40.57	Pk	32	-20.5	52.07	-	-	74	-21.93	129	109	H
3	* 2.38999	30.17	RMS	32	-20.5	41.67	54	-12.33	-	-	129	109	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 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	* 2.35756	42.14	Pk	31.7	-20.6	53.24	-	-	74	-20.76	341	387	V
4	* 2.38262	31	RMS	32	-20.6	42.4	54	-11.6	-	-	341	387	V
1	* 2.38999	40.28	Pk	32	-20.5	51.78	-	-	74	-22.22	341	387	V
3	* 2.38999	30.23	RMS	32	-20.5	41.73	54	-12.27	-	-	341	387	V

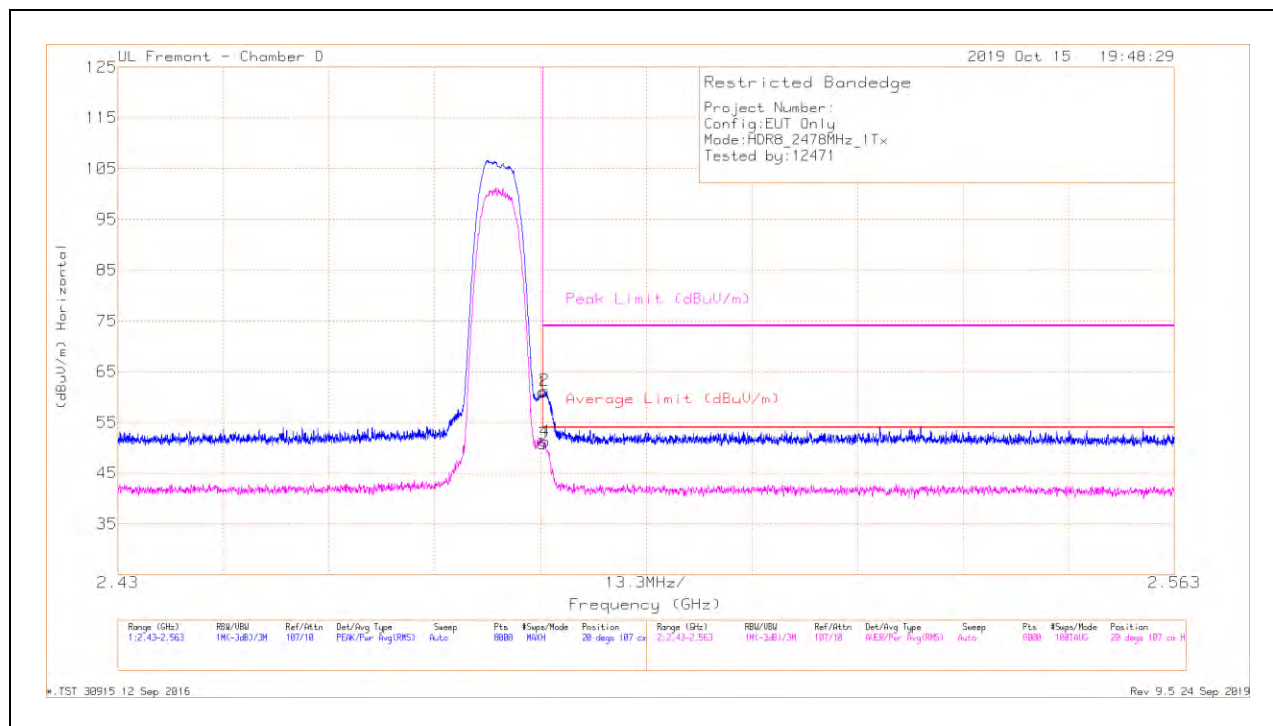
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



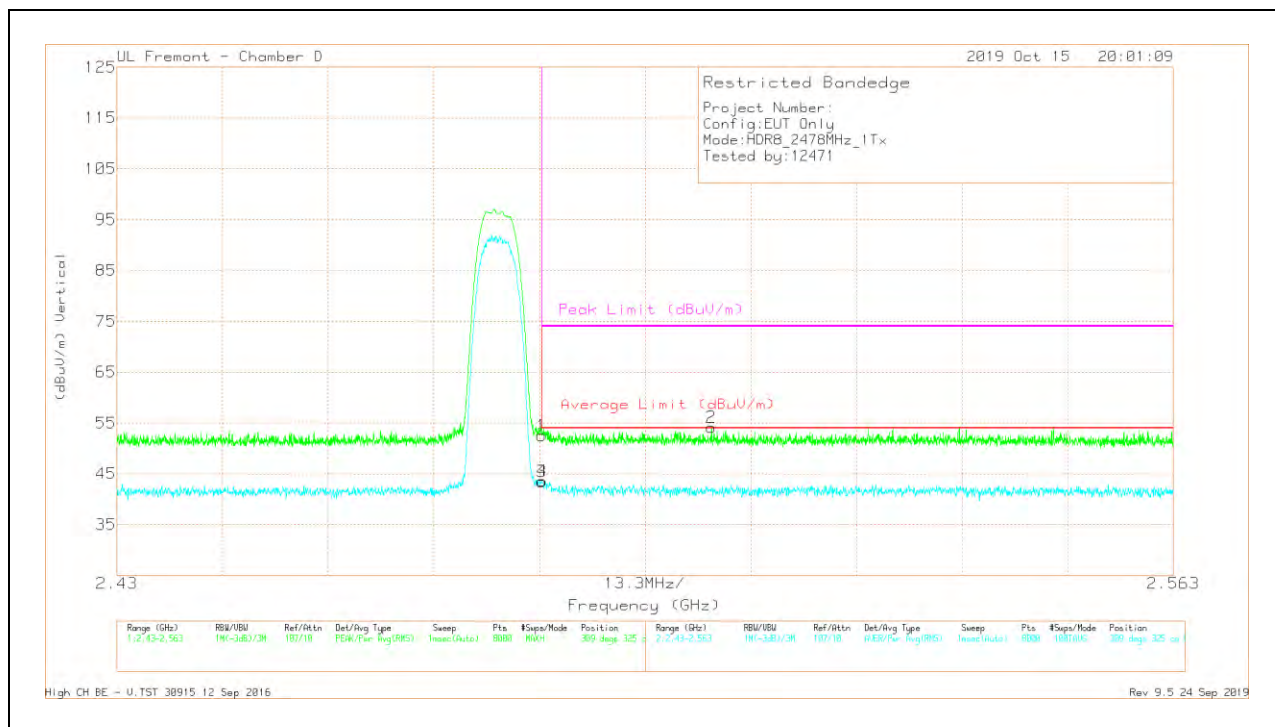
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	49.06	Pk	32.4	-20.5	60.96	-	-	74	-13.04	20	107	H
3	* 2.48351	38.88	RMS	32.4	-20.5	50.78	54	-3.22	-	-	20	107	H
2	* 2.48371	49.38	Pk	32.4	-20.5	61.28	-	-	74	-12.72	20	107	H
4	* 2.48377	39.38	RMS	32.4	-20.5	51.28	54	-2.72	-	-	20	107	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	40.66	Pk	32.4	-20.5	52.56	-	-	74	-21.44	309	325	V
3	* 2.48351	31.56	RMS	32.4	-20.5	43.46	54	-10.54	-	-	309	325	V
4	* 2.48357	31.71	RMS	32.4	-20.5	43.61	54	-10.39	-	-	309	325	V
2	2.50485	42.33	Pk	32.3	-20.5	54.13	-	-	74	-19.87	309	325	V

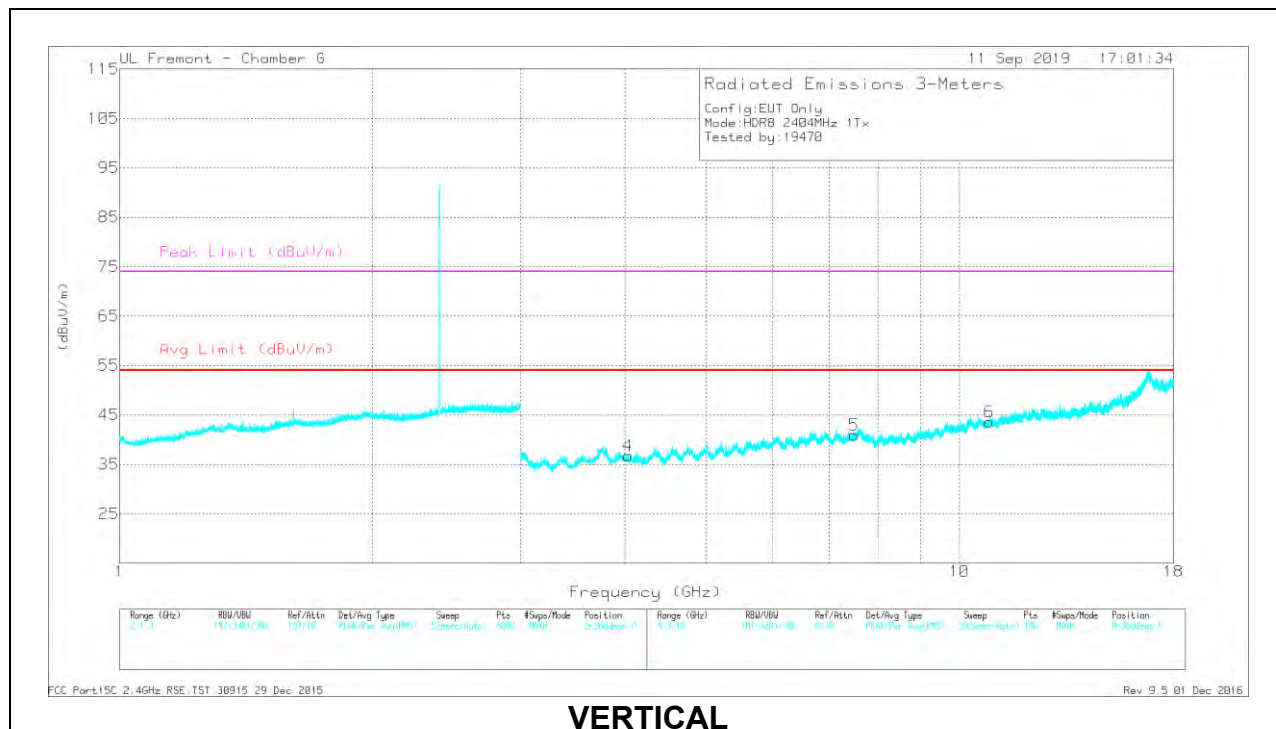
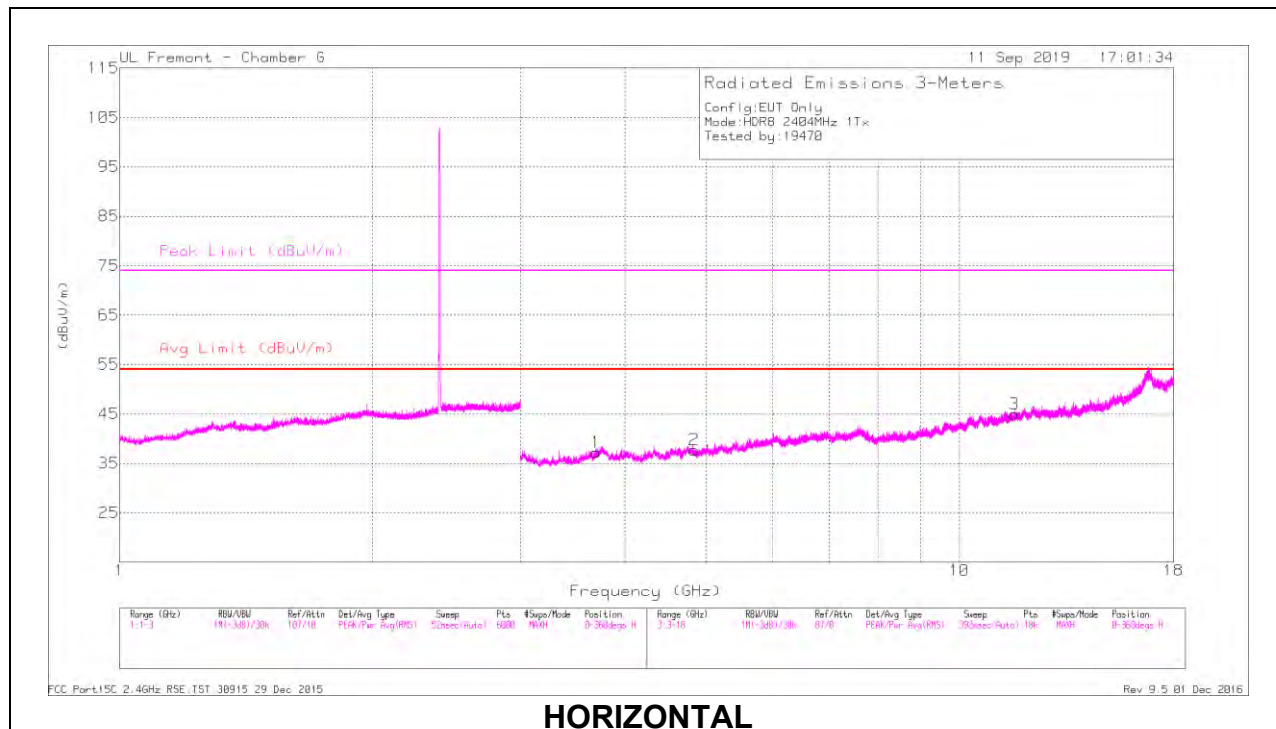
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

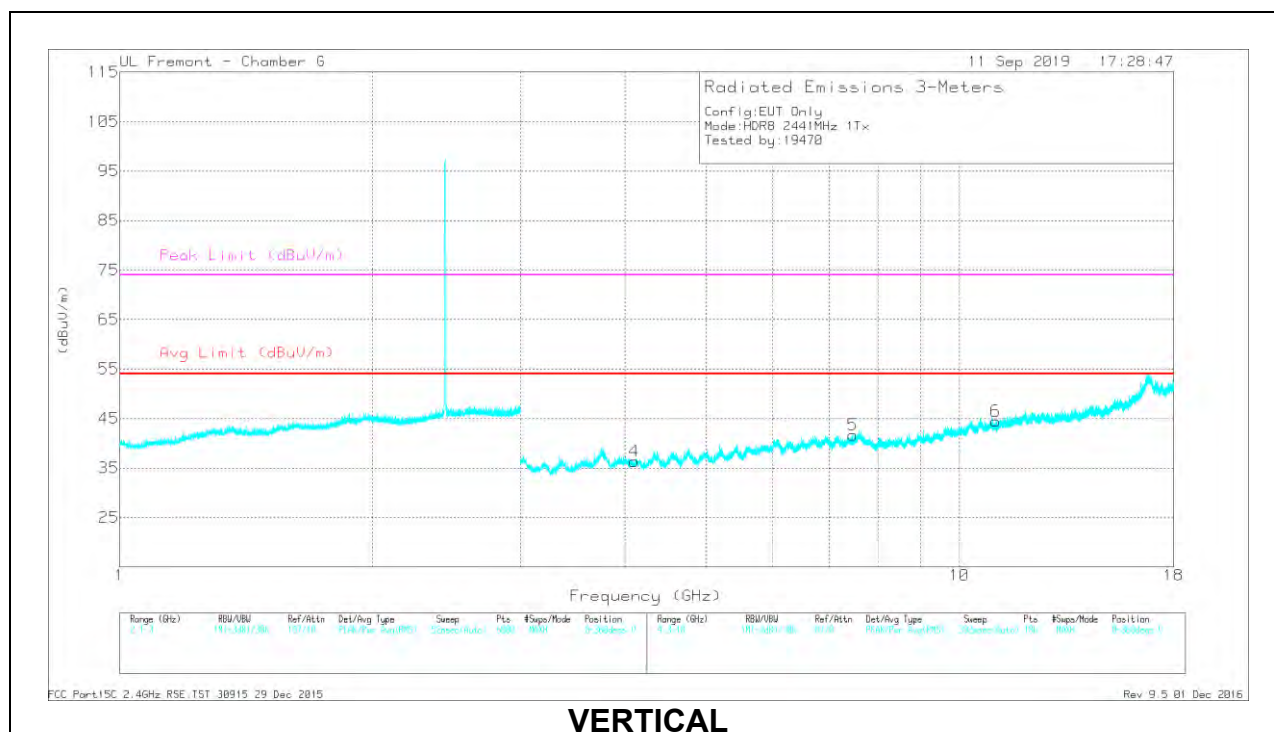
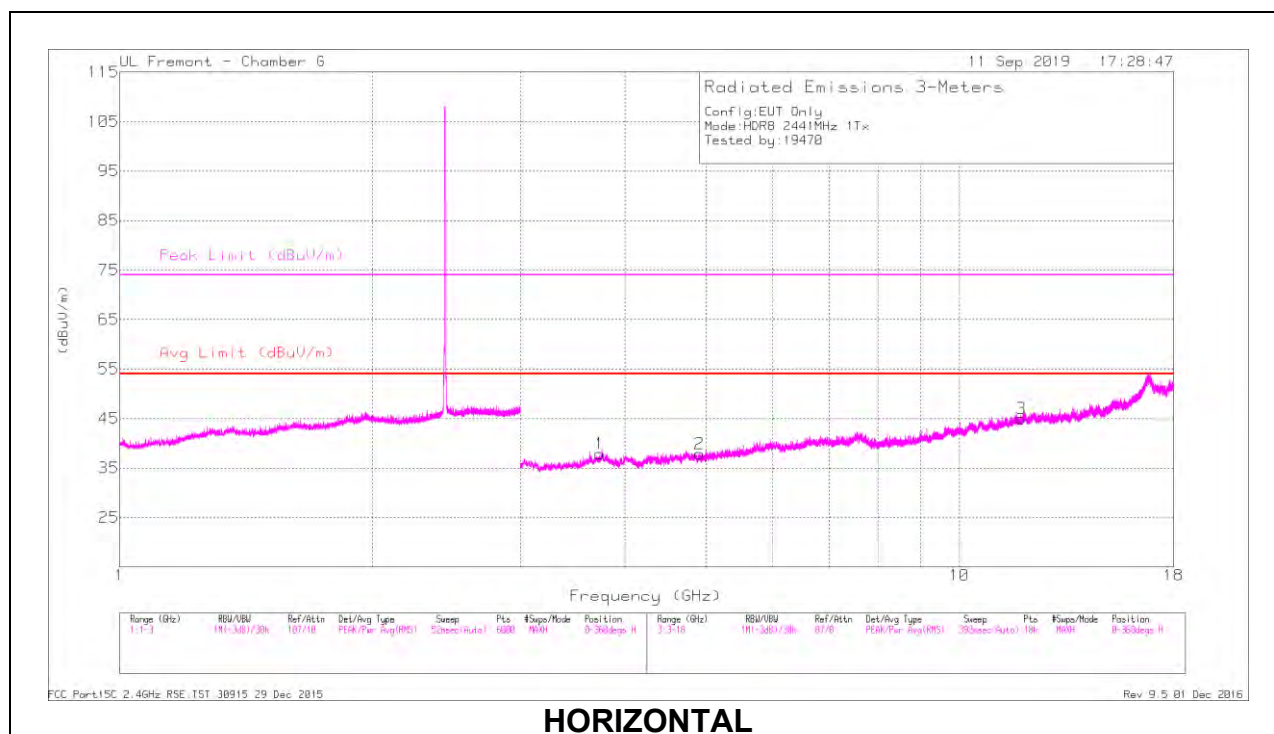
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.693	40.13	PK2	33	-29	44.13	-	-	74	-29.87	0	101	H
	* 3.691	29.25	MAv1	33	-28.9	33.35	54	-20.65	-	-	0	101	H
2	* 4.832	39.9	PK2	34.2	-29.7	44.4	-	-	74	-29.6	0	101	H
	* 4.834	29.25	MAv1	34.1	-29.7	33.65	54	-20.35	-	-	0	101	H
3	* 11.636	36.3	PK2	38.4	-22.6	52.1	-	-	74	-21.9	0	101	H
	* 11.637	25.29	MAv1	38.4	-22.6	41.09	54	-12.91	-	-	0	101	H
4	* 4.033	41.07	PK2	33.2	-29.4	44.87	-	-	74	-29.13	0	101	V
	* 4.035	29.33	MAv1	33.2	-29.4	33.13	54	-20.87	-	-	0	101	V
5	* 7.494	39.46	PK2	36.6	-27.2	48.86	-	-	74	-25.14	0	101	V
	* 7.497	28.19	MAv1	36.6	-27.1	37.69	54	-16.31	-	-	0	101	V
6	* 10.859	37.43	PK2	37.6	-23.5	51.53	-	-	74	-22.47	0	101	V
	* 10.86	25.78	MAv1	37.6	-23.4	39.98	54	-14.02	-	-	0	101	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

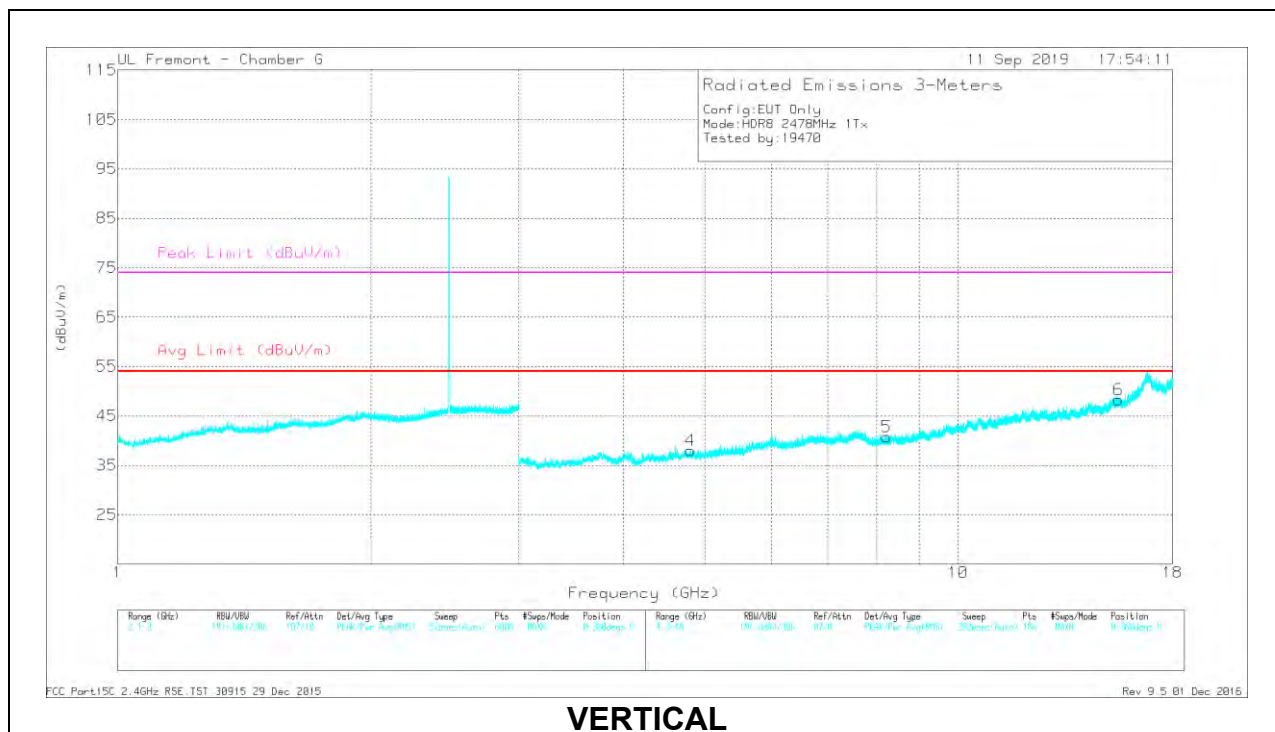
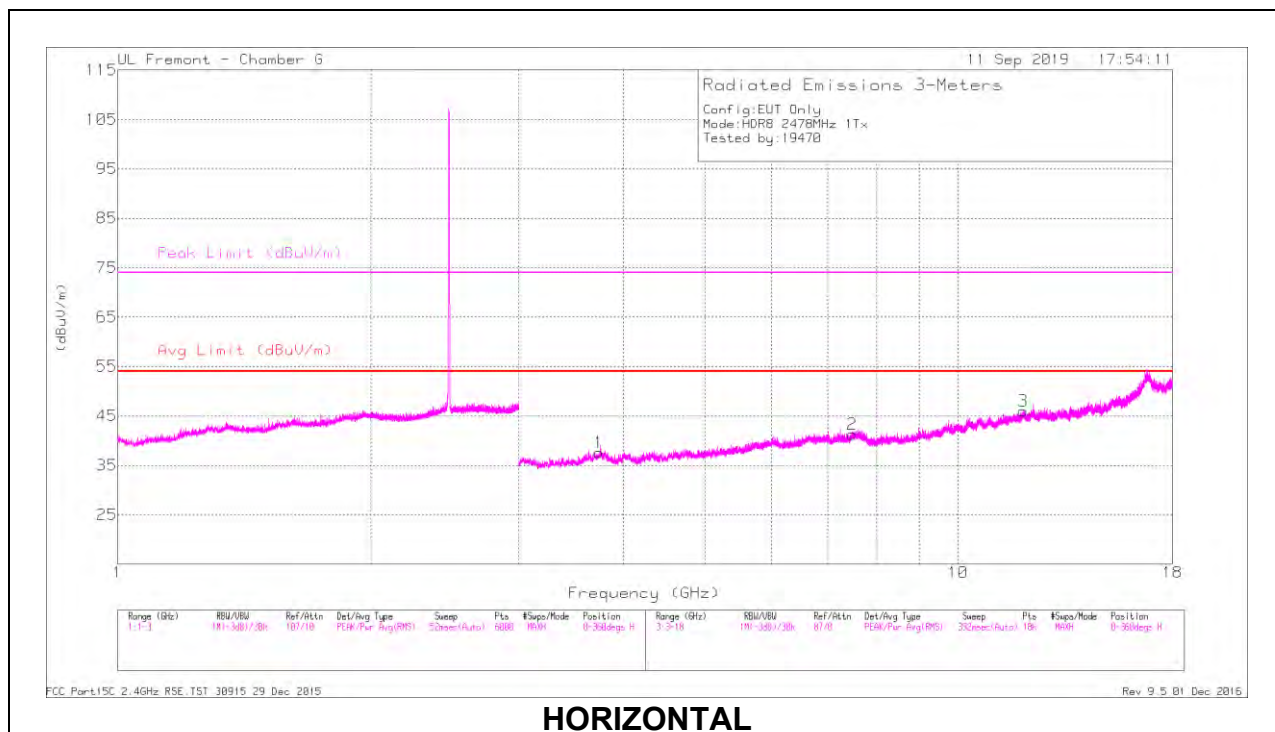
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.732	39.75	PK2	33.1	-28.9	43.95	-	-	74	-30.05	0	101	H
	* 3.733	28.8	MAv1	33.1	-28.9	33	54	-21	-	-	0	101	H
2	* 4.9	40.57	PK2	34	-29.6	44.97	-	-	74	-29.03	0	101	H
	* 4.901	29.36	MAv1	34	-29.6	33.76	54	-20.24	-	-	0	101	H
3	* 11.856	36.39	PK2	38.7	-23.2	51.89	-	-	74	-22.11	0	101	H
	* 11.856	25.47	MAv1	38.7	-23.2	40.97	54	-13.03	-	-	0	101	H
4	* 4.104	41.23	PK2	33.2	-30.1	44.33	-	-	74	-29.67	0	101	V
	* 4.105	29.72	MAv1	33.2	-30.1	32.82	54	-21.18	-	-	0	101	V
5	* 7.473	39.26	PK2	36.6	-27.4	48.46	-	-	74	-25.54	0	101	V
	* 7.474	28.23	MAv1	36.6	-27.3	37.53	54	-16.47	-	-	0	101	V
6	* 11.053	37.06	PK2	37.6	-23.3	51.36	-	-	74	-22.64	0	101	V
	* 11.053	25.76	MAv1	37.6	-23.3	40.06	54	-13.94	-	-	0	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 T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.741	39.93	PK2	33.1	-28.9	44.13	-	-	74	-29.87	0	101	H
	* 3.743	28.8	MAv1	33.1	-28.9	33	54	-21	-	-	0	101	H
2	* 7.485	38.26	PK2	36.5	-27.3	47.46	-	-	74	-26.54	0	101	H
	* 7.485	27.41	MAv1	36.5	-27.3	36.61	54	-17.39	-	-	0	101	H
3	* 11.957	36.37	PK2	38.7	-21.9	53.17	-	-	74	-20.83	0	101	H
	* 11.955	25.26	MAv1	38.7	-21.9	42.06	54	-11.94	-	-	0	101	H
4	* 4.801	40.78	PK2	34.2	-29.7	45.28	-	-	74	-28.72	0	101	V
	* 4.801	29.06	MAv1	34.2	-29.7	33.56	54	-20.44	-	-	0	101	V
5	* 8.225	38.83	PK2	35.7	-26.6	47.93	-	-	74	-26.07	0	101	V
	* 8.226	27.45	MAv1	35.7	-26.6	36.55	54	-17.45	-	-	0	101	V
6	* 15.53	37.07	PK2	41	-22.9	55.17	-	-	74	-18.83	0	101	V
	* 15.528	26.21	MAv1	41	-22.9	44.31	54	-9.69	-	-	0	101	V

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

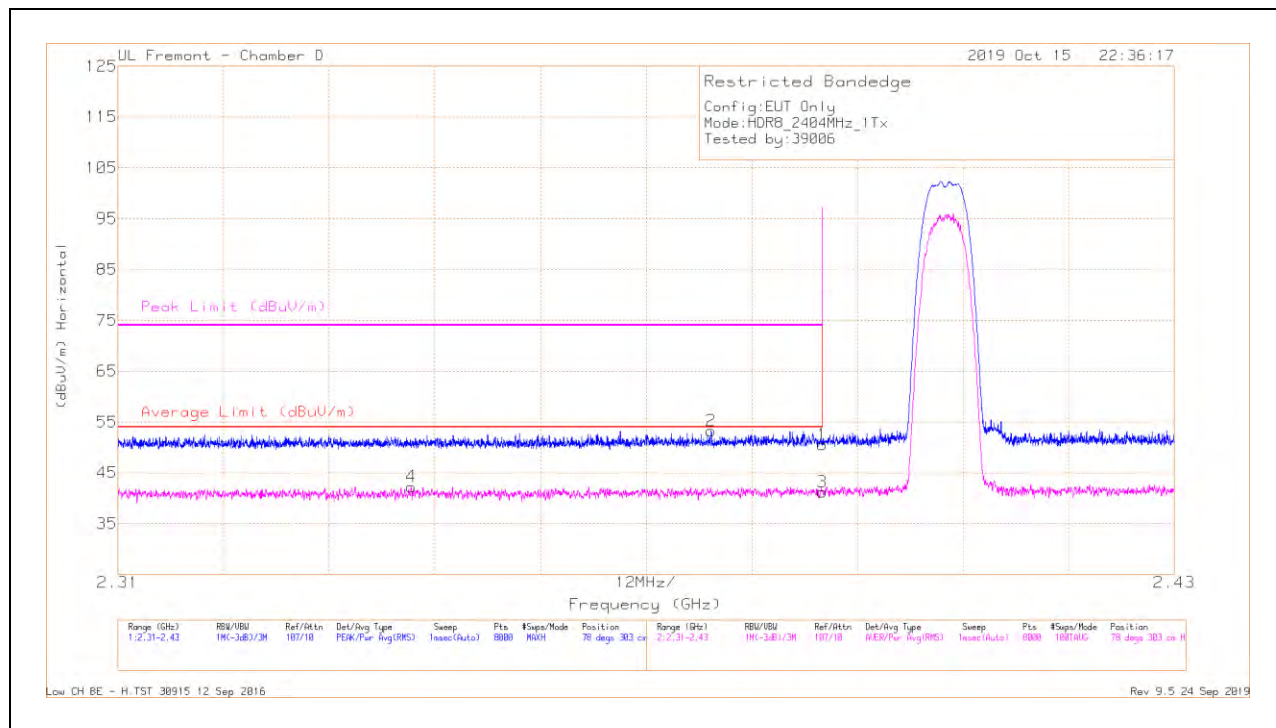
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

LAT 3

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



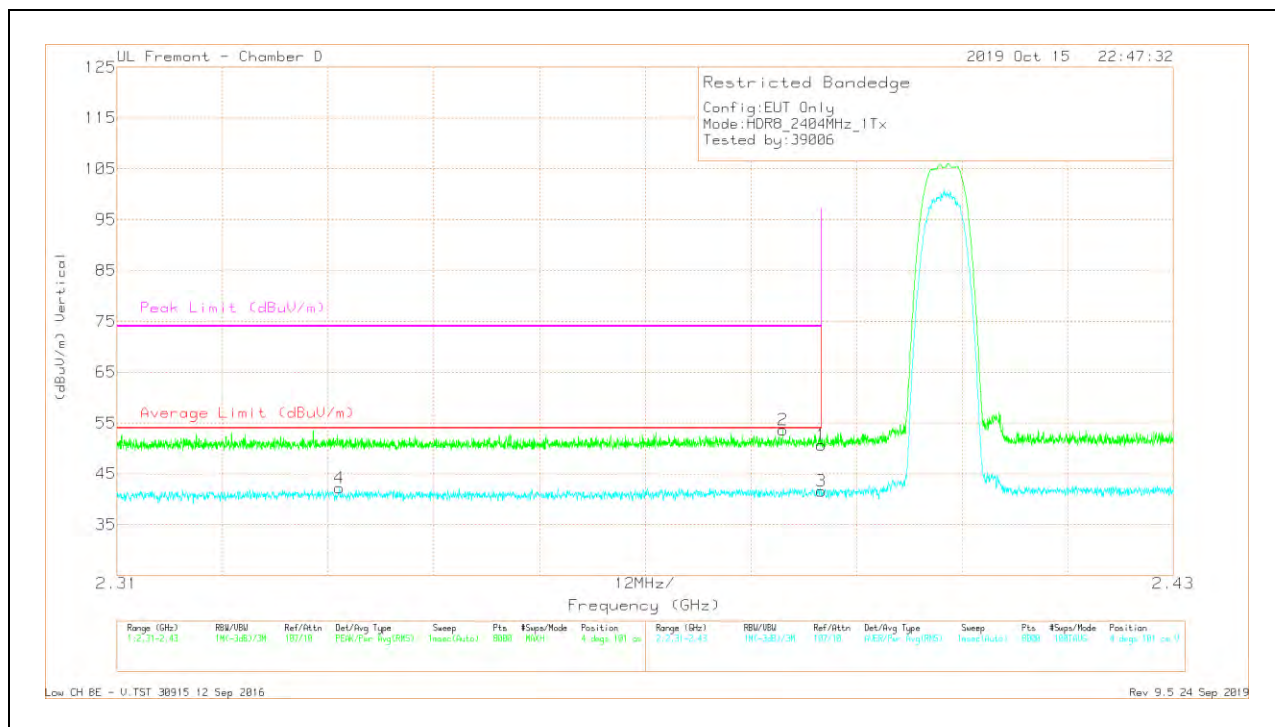
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 2.34332	31.18	RMS	31.8	-20.7	42.28	54	-11.72	-	-	78	303	H
2	* 2.3774	41.91	Pk	31.9	-20.5	53.31	-	-	74	-20.69	78	303	H
1	* 2.38999	38.99	Pk	32	-20.5	50.49	-	-	74	-23.51	78	303	H
3	* 2.38999	29.76	RMS	32	-20.5	41.26	54	-12.74	-	-	78	303	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
4	* 2.33528	31.02	RMS	31.8	-20.6	42.22	54	-11.78	-	-	4	101	V
2	* 2.38566	42.25	Pk	32	-20.6	53.65	-	-	74	-20.35	4	101	V
1	* 2.38999	39.18	Pk	32	-20.5	50.68	-	-	74	-23.32	4	101	V
3	* 2.38999	30.09	RMS	32	-20.5	41.59	54	-12.41	-	-	4	101	V

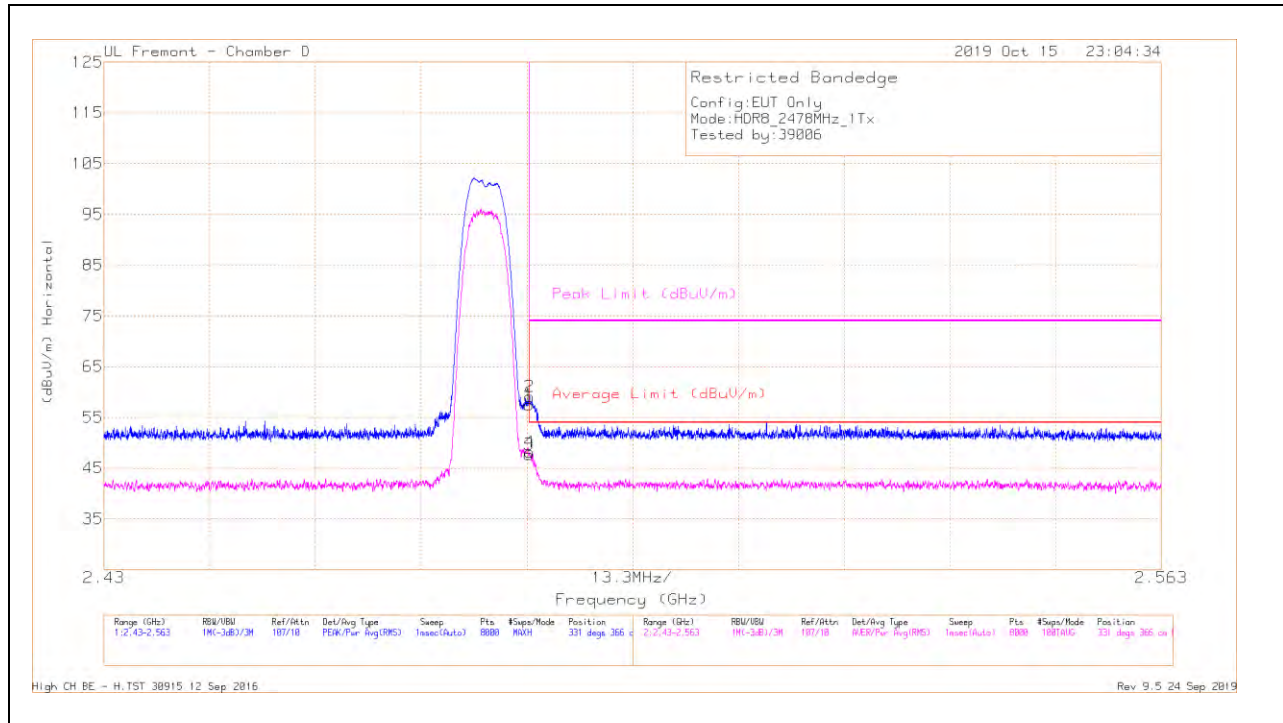
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



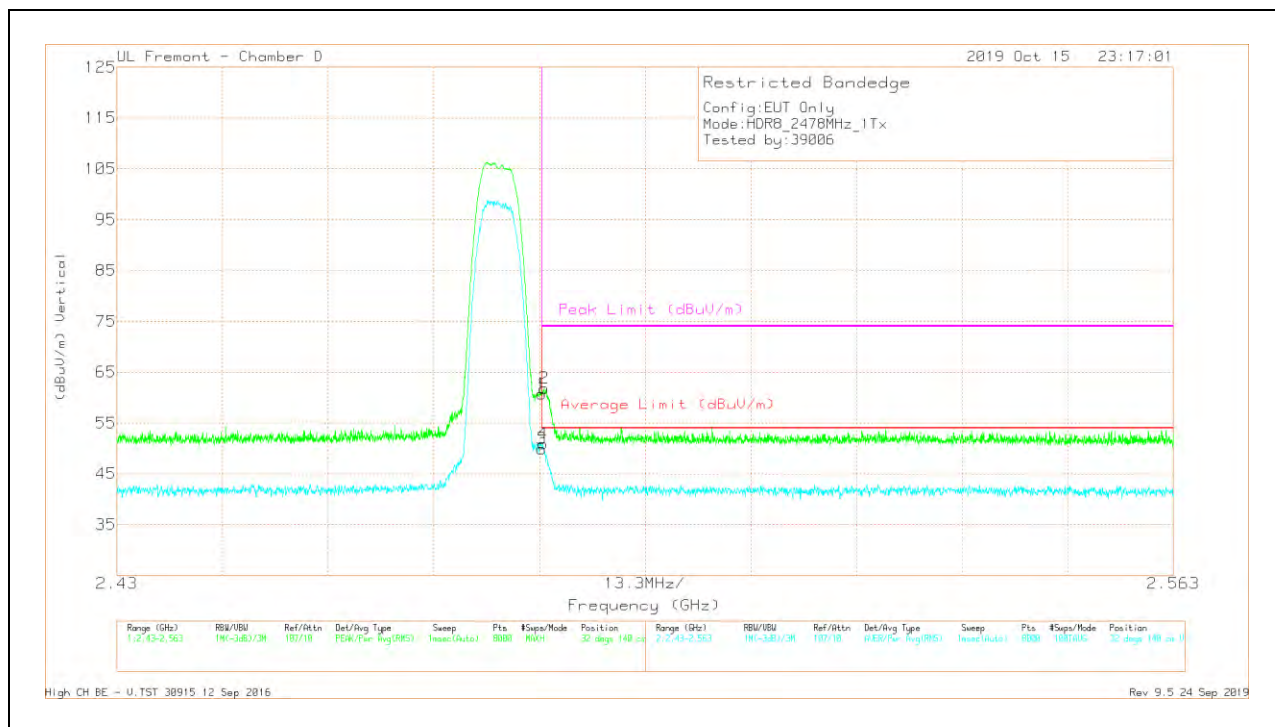
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filt/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	45.64	Pk	32.4	-20.5	57.54	-	-	74	-16.46	331	366	H
3	* 2.48351	35.78	RMS	32.4	-20.5	47.68	54	-6.32	-	-	331	366	H
2	* 2.48356	47.2	Pk	32.4	-20.5	59.1	-	-	74	-14.9	331	366	H
4	* 2.48356	36.28	RMS	32.4	-20.5	48.18	54	-5.82	-	-	331	366	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	48.85	Pk	32.4	-20.5	60.75	-	-	74	-13.25	32	140	V
3	* 2.48351	37.99	RMS	32.4	-20.5	49.89	54	-4.11	-	-	32	140	V
4	* 2.48361	38.97	RMS	32.4	-20.5	50.87	54	-3.13	-	-	32	140	V
2	* 2.48377	49.96	Pk	32.4	-20.5	61.86	-	-	74	-12.14	32	140	V

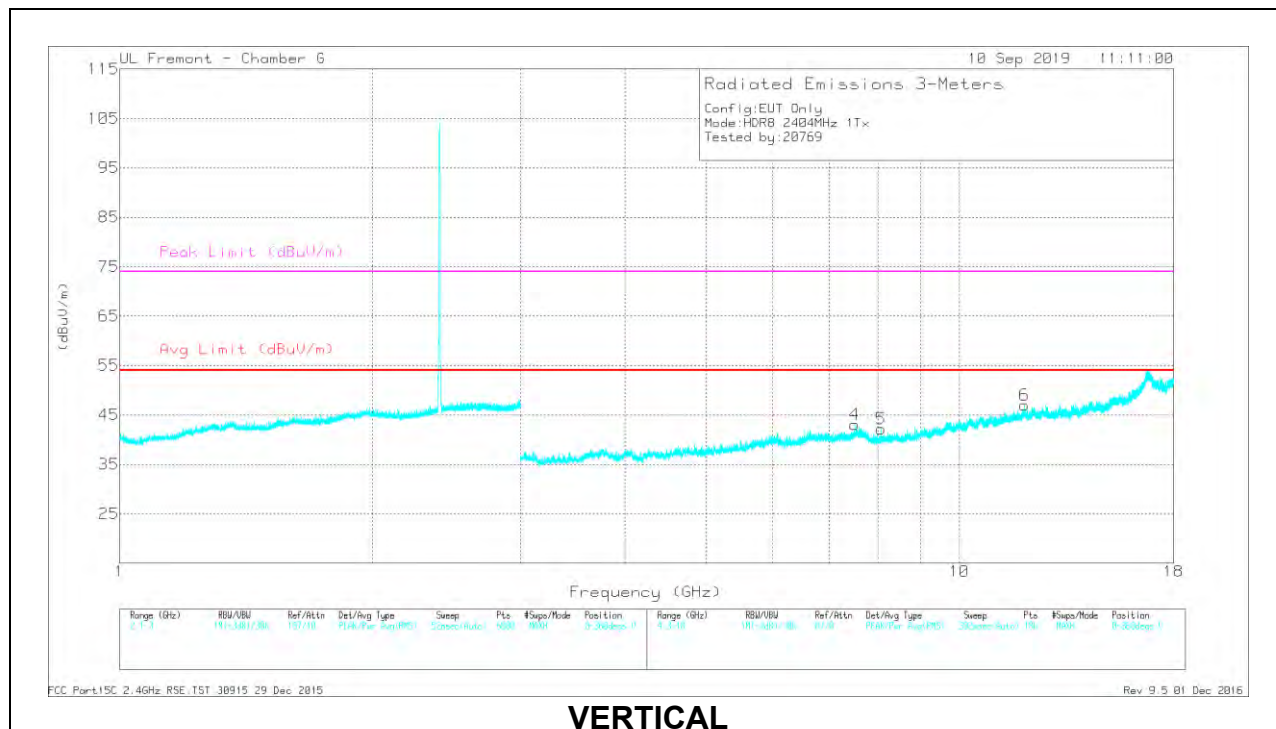
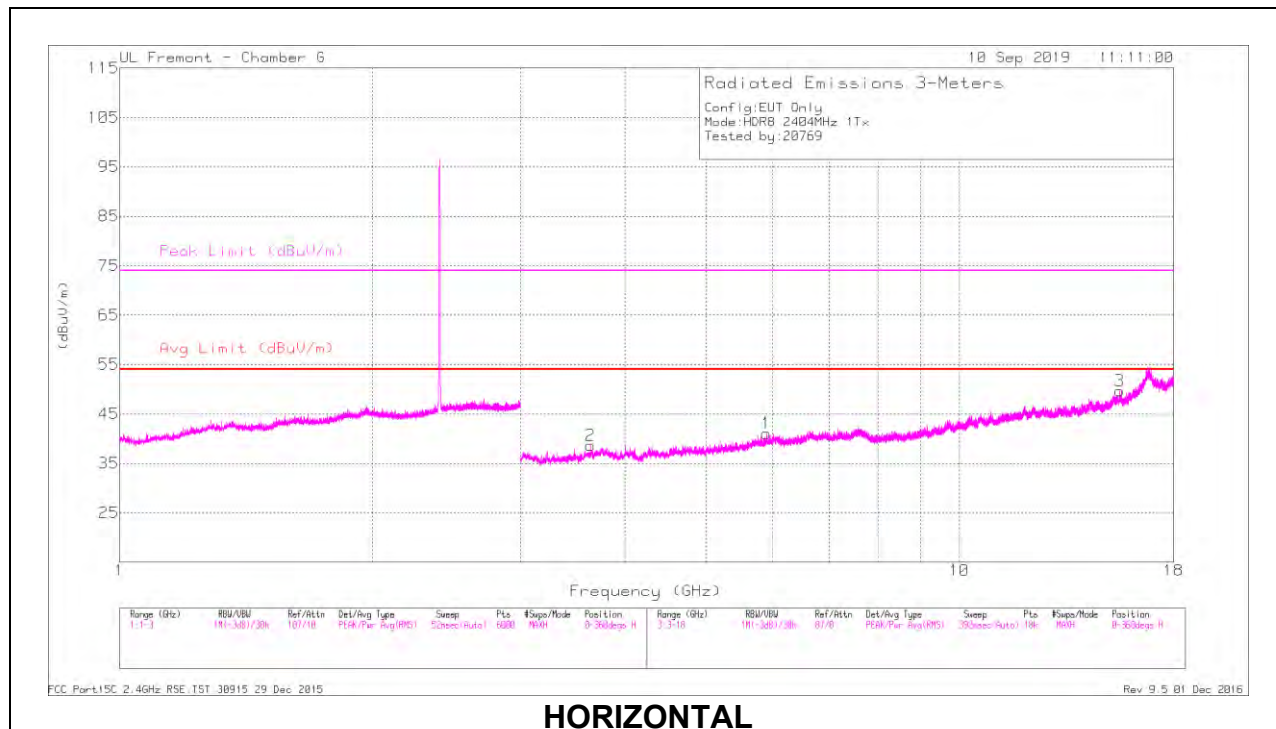
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

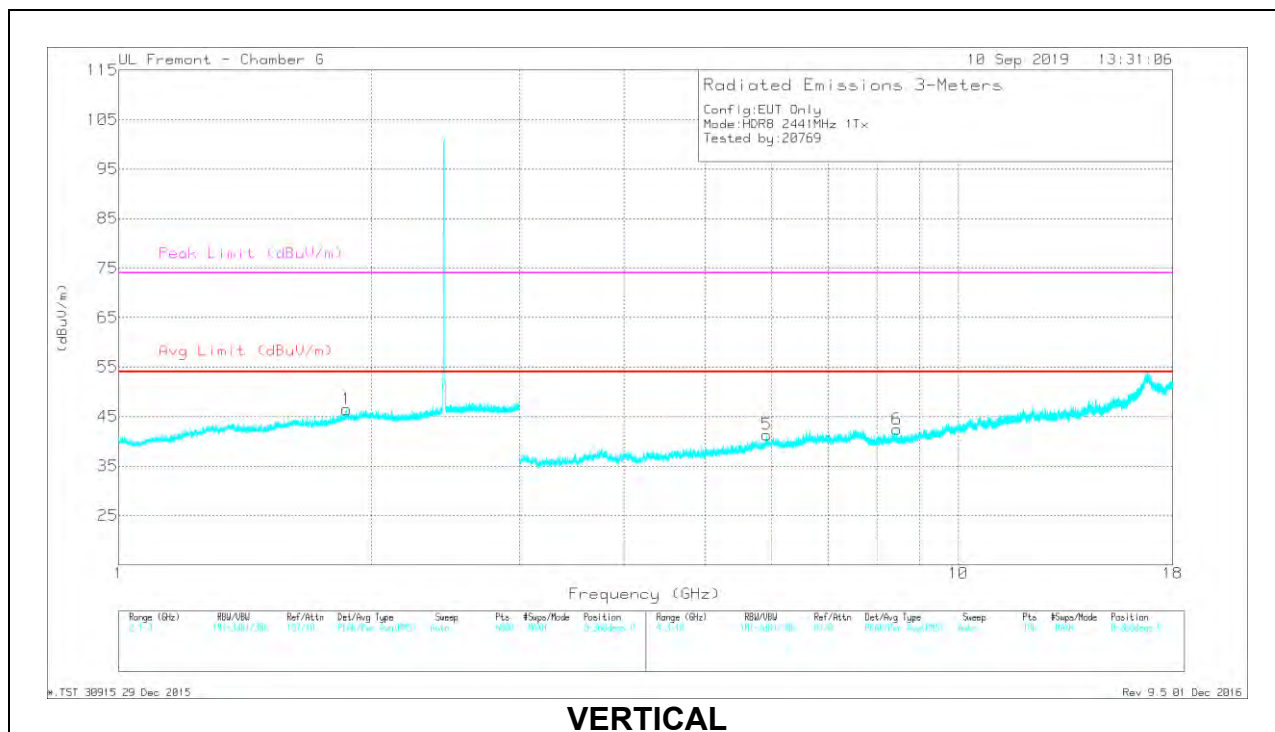
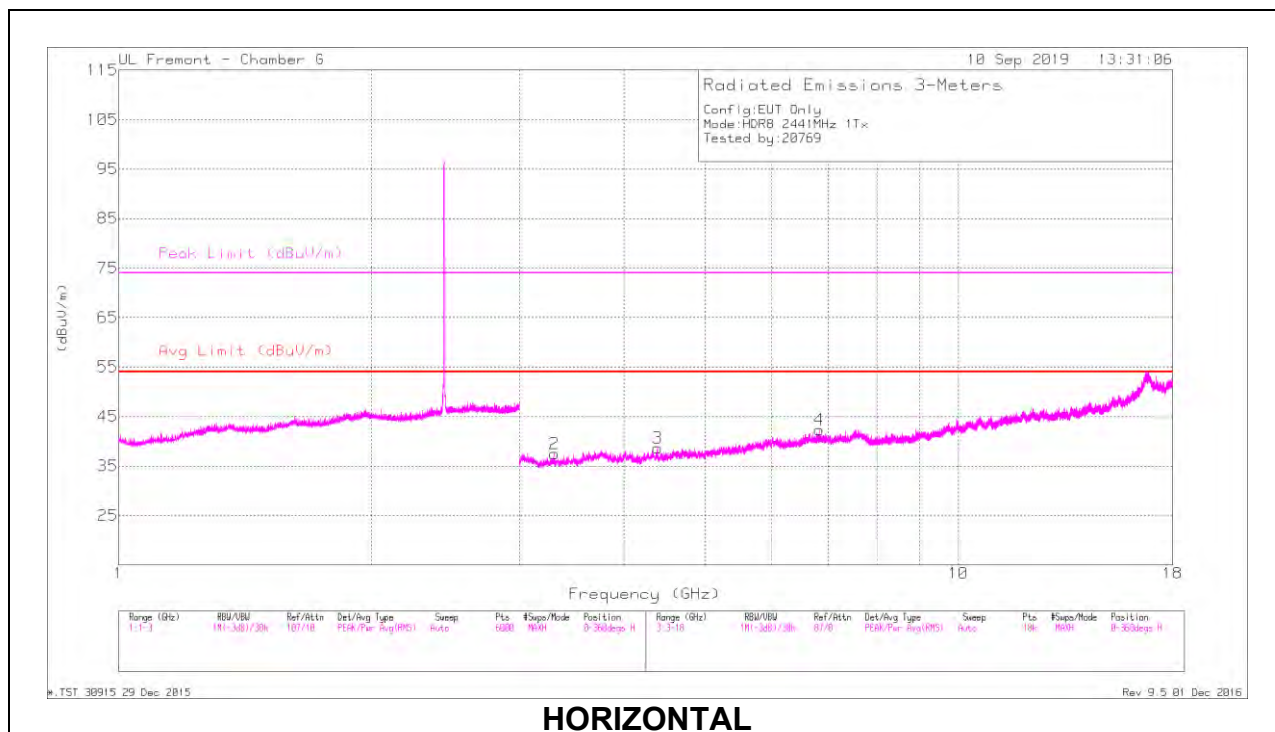
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 3.639	41.08	PK2	33.2	-29.5	44.78	-	-	74	-29.22	214	254	H
	* 3.639	29.42	MAv1	33.2	-29.5	33.12	54	-20.88	-	-	214	254	H
3	* 15.525	37.67	PK2	41.1	-23	55.77	-	-	74	-18.23	289	143	H
	* 15.523	26.14	MAv1	41.1	-23.1	44.14	54	-9.86	-	-	289	143	H
4	* 7.515	38.75	PK2	36.7	-27	48.45	-	-	74	-25.55	360	144	V
	* 7.515	27.31	MAv1	36.7	-27	37.01	54	-16.99	-	-	360	144	V
5	* 8.069	38.93	PK2	35.6	-26.9	47.63	-	-	74	-26.37	319	219	V
	* 8.071	27.41	MAv1	35.6	-26.9	36.11	54	-17.89	-	-	319	219	V
6	* 11.967	36.31	PK2	38.8	-22.1	53.01	-	-	74	-20.99	354	223	V
	* 11.965	24.7	MAv1	38.8	-22	41.5	54	-12.5	-	-	354	223	V
1	5.897	41.36	PK2	35.6	-29.3	47.66	-	-	-	-	23	187	H

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS

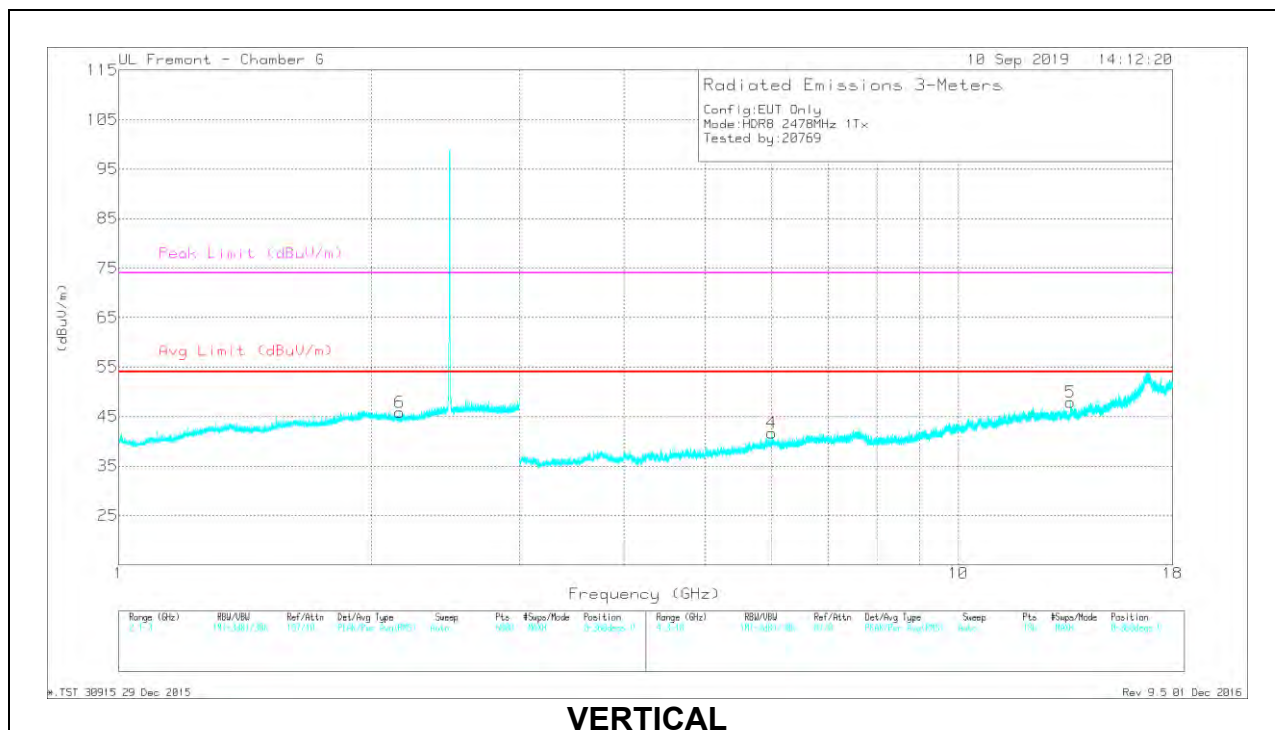
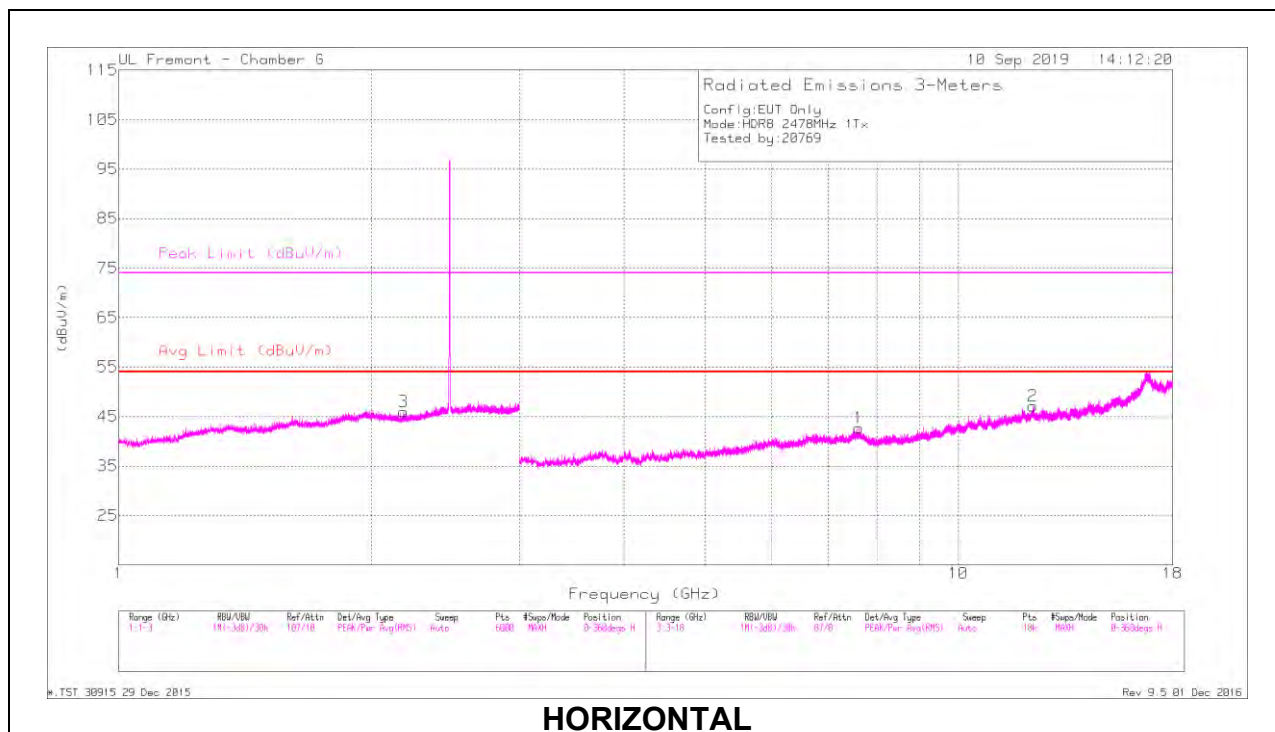


RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* 4.385	41.07	PK2	33.6	-29.7	44.97	-	-	74	-29.03	151	224	H
	* 4.382	29.06	MAv1	33.6	-29.7	32.96	54	-21.04	-	-	151	224	H
6	* 8.448	38.62	PK2	35.8	-26.3	48.12	-	-	74	-25.88	13	211	V
	* 8.451	26.66	MAv1	35.8	-26.3	36.16	54	-17.84	-	-	13	211	V
1	1.866	43.8	PK2	31.5	-22.6	52.7	-	-	-	-	303	384	V
2	3.302	41.91	PK2	32.7	-30.6	44.01	-	-	-	-	0	128	H
5	5.917	40.17	PK2	35.6	-29.1	46.67	-	-	-	-	11	163	V
4	6.836	40.29	PK2	36.4	-28.3	48.39	-	-	-	-	91	178	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK2 - KDB558074 Method: Maximum Peak
MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 7.614	39.18	PK2	37.1	-27.3	48.98	-	-	74	-25.02	38	164	H
	* 7.614	27.49	MAv1	37.1	-27.3	37.29	54	-16.71	-	-	38	164	H
2	* 12.277	36.13	PK2	39	-22.2	52.93	-	-	74	-21.07	187	222	H
	* 12.279	24.69	MAv1	39	-22.2	41.49	54	-12.51	-	-	187	222	H
6	2.161	44.18	PK2	31	-22.5	52.68	-	-	-	-	44	143	V
3	2.184	43.48	PK2	31.1	-22.4	52.18	-	-	-	-	271	125	H
4	6.002	39.84	PK2	35.7	-28.2	47.34	-	-	-	-	155	330	V
5	13.613	37.54	PK2	38.8	-22.9	53.44	-	-	-	-	305	141	V

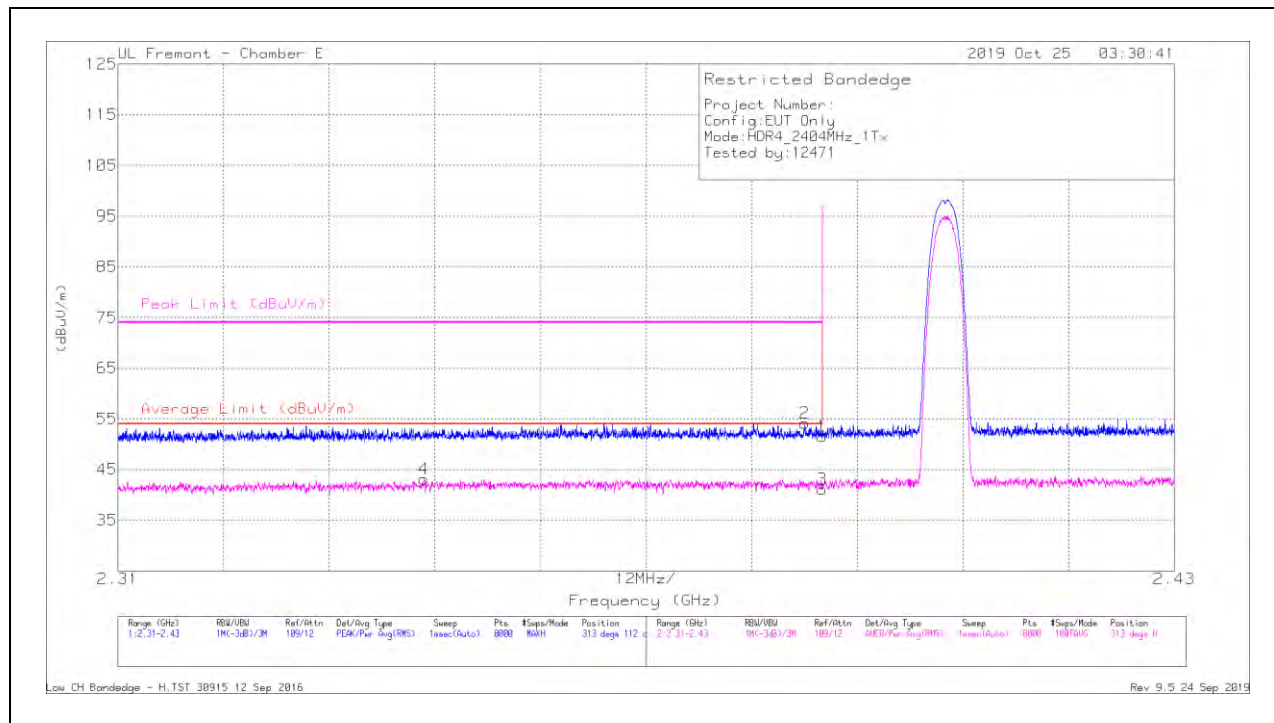
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK2 - KDB558074 Method: Maximum Peak
MAv1 - KDB558074 Option 1 Maximum RMS Average

9.2.3. LOW POWER HDR (HDR4)

UAT 1

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



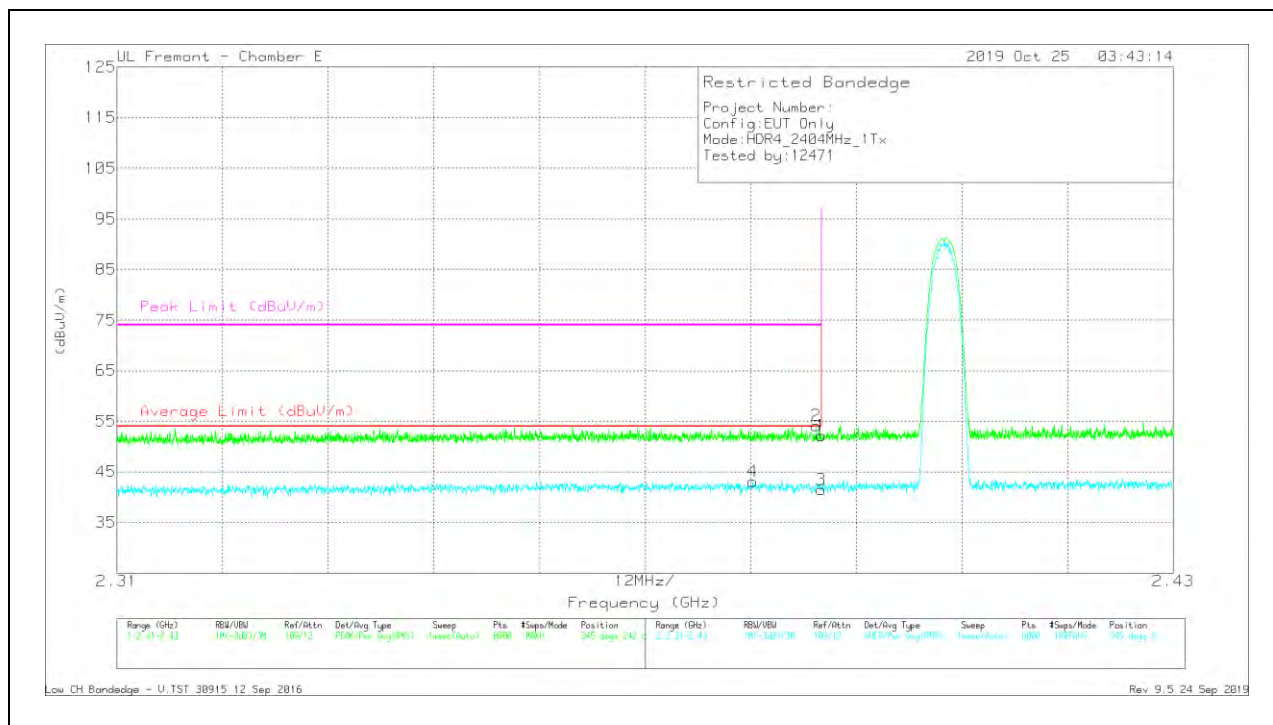
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	37.38	Pk	32.3	-18.2	51.48	-	-	74	-22.52	313	112	H
2	* 2.38803	40.05	Pk	32.3	-18.2	54.15	-	-	74	-19.85	313	112	H
3	* 2.38999	27.01	RMS	32.3	-18.2	41.11	54	-12.89	-	-	313	112	H
4	* 2.34479	29.3	RMS	31.9	-18.1	43.1	54	-10.9	-	-	313	112	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/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	38.05	Pk	32.3	-18.2	52.15	-	-	74	-21.85	345	242	V
2	* 2.38945	40.05	Pk	32.3	-18.2	54.15	-	-	74	-19.85	345	242	V
3	* 2.38999	27.42	RMS	32.3	-18.2	41.52	54	-12.48	-	-	345	242	V
4	* 2.38222	28.96	RMS	32.3	-18.2	43.06	54	-10.94	-	-	345	242	V

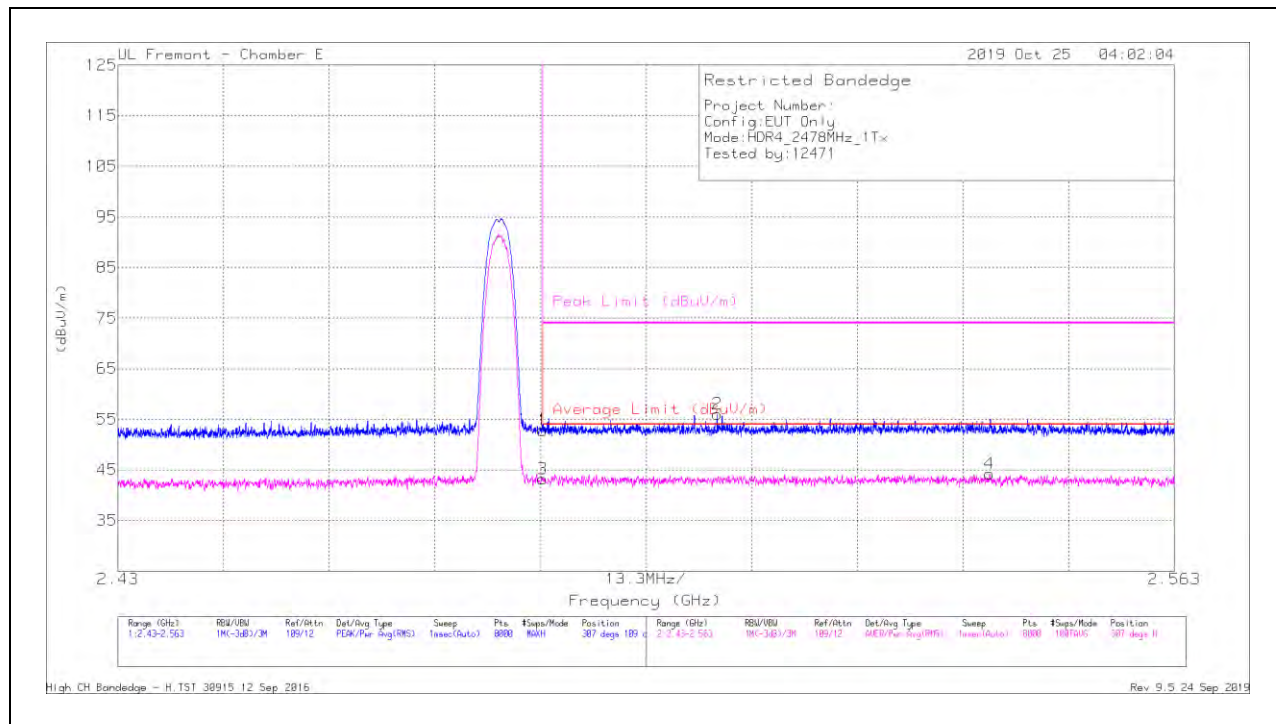
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



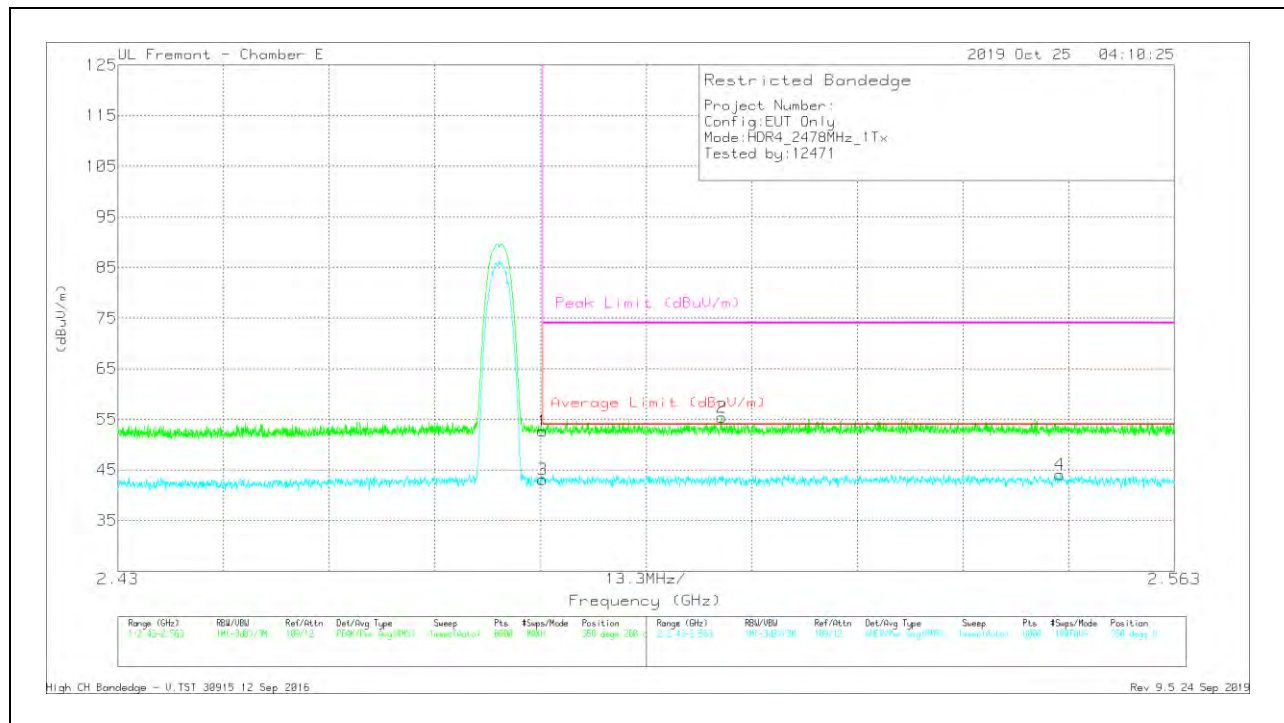
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	38.04	Pk	32.8	-18	52.84	-	-	74	-21.16	307	109	H
3	* 2.48351	28.37	RMS	32.8	-18	43.17	54	-10.83	-	-	307	109	H
2	2.50545	41.36	Pk	32.9	-18.2	56.06	-	-	74	-17.94	307	109	H
4	2.53975	29.28	RMS	32.9	-18	44.18	54	-9.82	-	-	307	109	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/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	37.83	Pk	32.8	-18	52.63	-	-	74	-21.37	350	260	V
3	* 2.48351	28.28	RMS	32.8	-18	43.08	54	-10.92	-	-	350	260	V
2	2.50599	40.63	Pk	32.9	-18.2	55.33	-	-	74	-18.67	350	260	V
4	2.5486	29.41	RMS	32.8	-18.1	44.11	54	-9.89	-	-	350	260	V

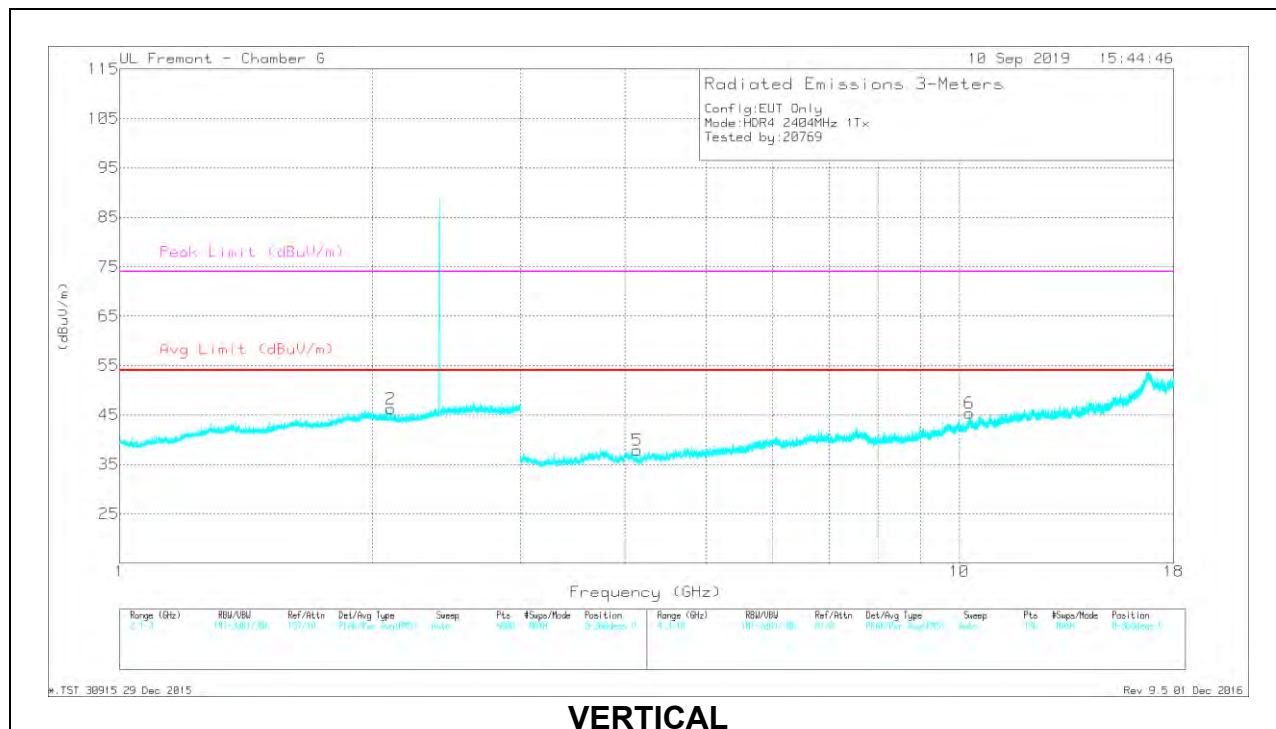
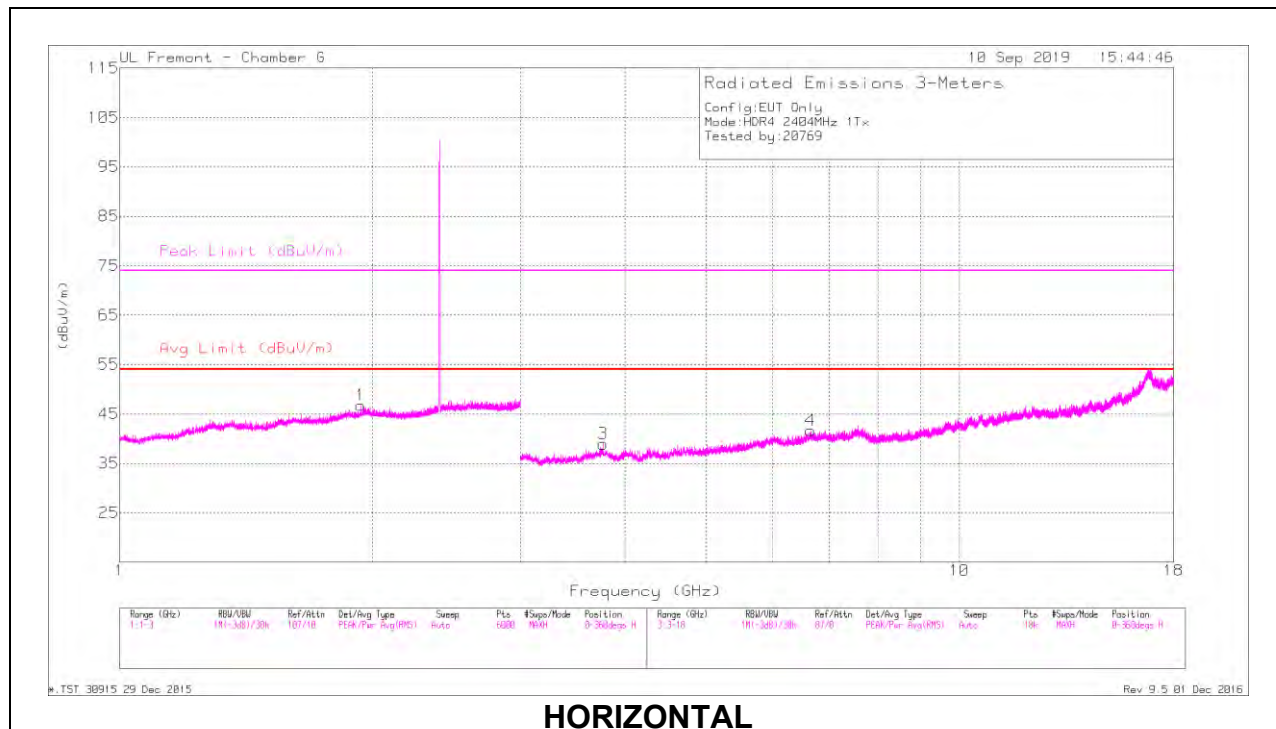
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS

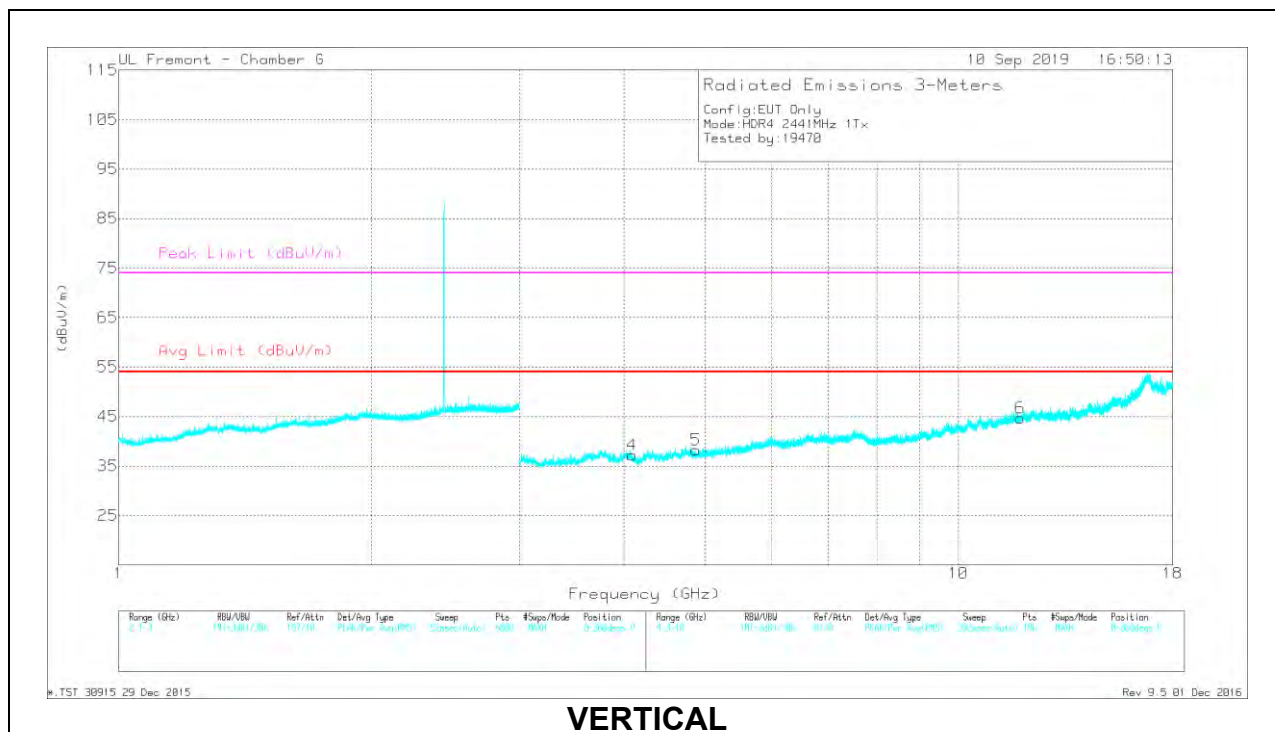
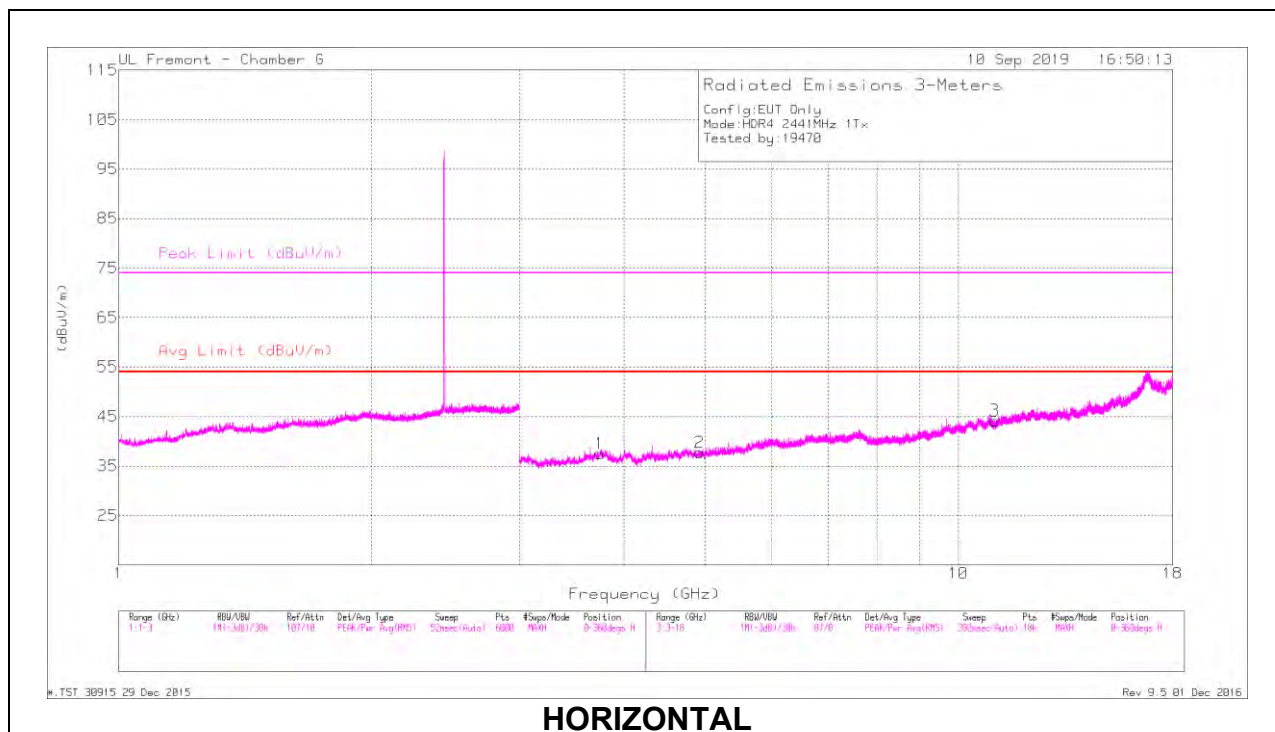


RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* 3.766	41.03	PK2	33.3	-29.2	45.13	-	-	74	-28.87	148	105	H
	* 3.764	28.84	MAv1	33.3	-29.2	32.94	54	-21.06	-	-	148	105	H
5	* 4.132	41.34	PK2	33.1	-30.4	44.04	-	-	74	-29.96	152	219	V
	* 4.133	29.51	MAv1	33.1	-30.4	32.21	54	-21.79	-	-	152	219	V
1	1.937	43.19	PK2	31.7	-22.7	52.19	-	-	-	-	173	323	H
2	2.103	44.04	PK2	31.2	-22.4	52.84	-	-	-	-	318	244	V
4	6.651	40.15	PK2	36.4	-27.9	48.65	-	-	-	-	46	176	H
6	10.287	36.92	PK2	37.5	-23.5	50.92	-	-	-	-	233	280	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

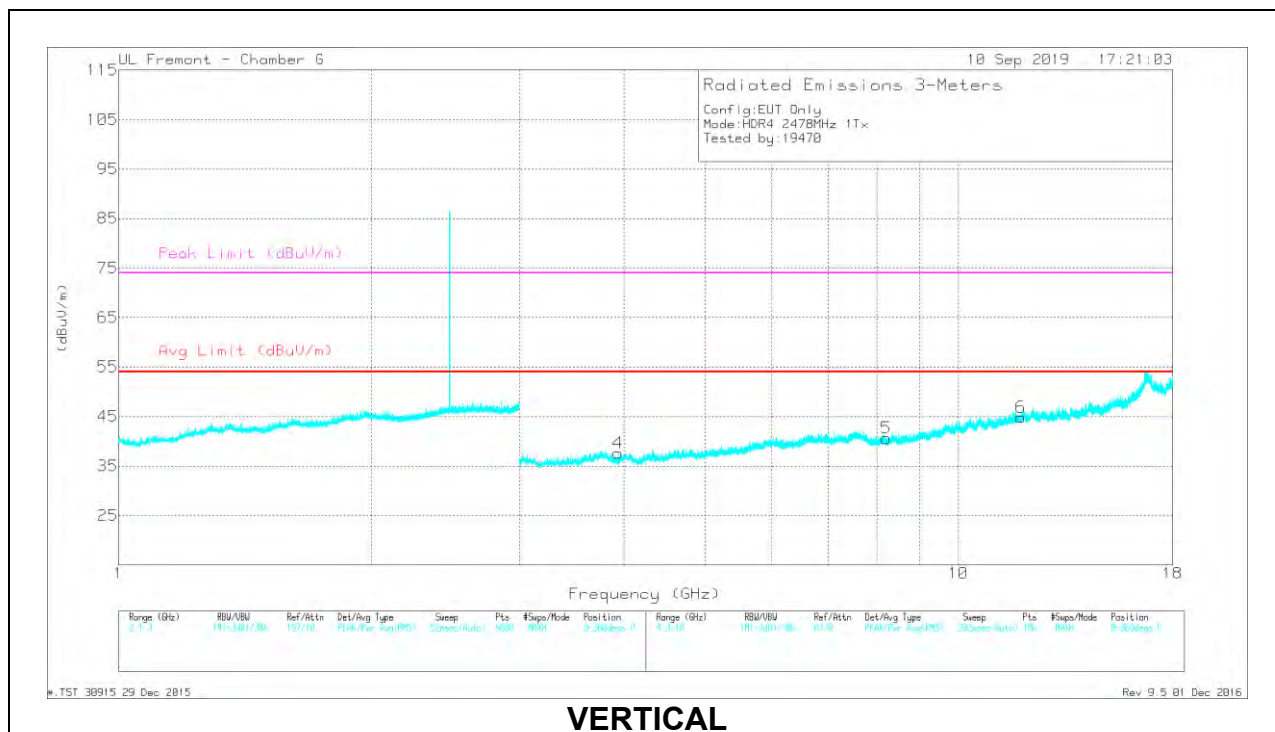
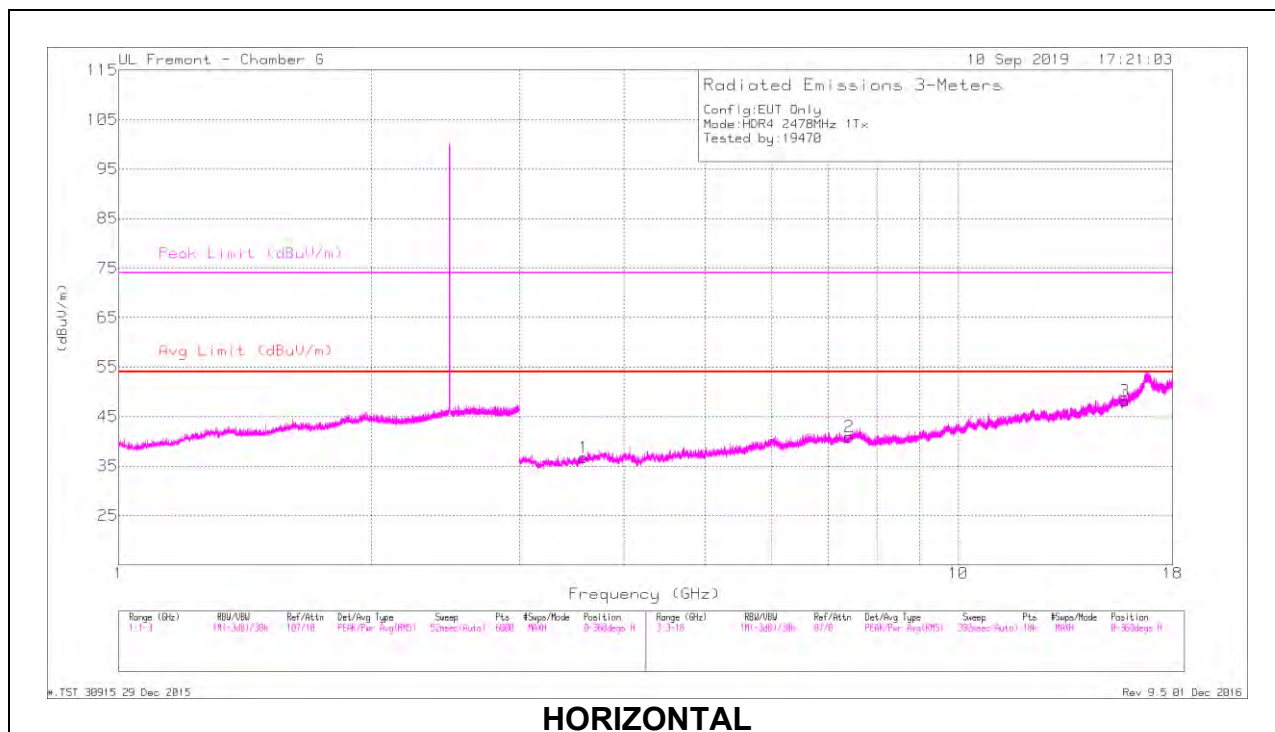
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.737	40.02	PK2	33.1	-28.9	44.22	-	-	74	-29.78	360	101	H
	* 3.736	29.16	MAv1	33.1	-28.9	33.36	54	-20.64	-	-	360	101	H
	* 4.922	40.48	PK2	34	-29.6	44.88	-	-	74	-29.12	360	101	H
2	* 4.921	29.42	MAv1	33.9	-29.6	33.72	54	-20.28	-	-	360	101	H
	* 11.047	37.49	PK2	37.6	-23.3	51.79	-	-	74	-22.21	360	101	H
	* 11.048	25.64	MAv1	37.6	-23.3	39.94	54	-14.06	-	-	360	101	H
4	* 4.086	40.84	PK2	33.2	-29.8	44.24	-	-	74	-29.76	360	101	V
	* 4.088	29.74	MAv1	33.2	-29.9	33.04	54	-20.96	-	-	360	101	V
	* 4.872	40.34	PK2	34.1	-29.6	44.84	-	-	74	-29.16	360	101	V
5	* 4.872	29.44	MAv1	34.1	-29.6	33.94	54	-20.06	-	-	360	101	V
	* 11.858	36.64	PK2	38.7	-23.2	52.14	-	-	74	-21.86	360	101	V
	* 11.857	25.64	MAv1	38.7	-23.2	41.14	54	-12.86	-	-	360	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 T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.582	43	PK2	33.1	-30.6	45.5	-	-	74	-28.5	360	101	H
	* 3.58	30.79	MAv1	33.1	-30.6	33.29	54	-20.71	-	-	360	101	H
2	* 7.421	40.11	PK2	36.4	-28	48.51	-	-	74	-25.49	360	101	H
	* 7.421	28.58	MAv1	36.4	-28	36.98	54	-17.02	-	-	360	101	H
3	* 15.797	37.1	PK2	40.7	-22.7	55.1	-	-	74	-18.9	360	101	H
	* 15.798	26.23	MAv1	40.7	-22.6	44.33	54	-9.67	-	-	360	101	H
4	* 3.933	40.71	PK2	33.3	-30.3	43.71	-	-	74	-30.29	360	101	V
	* 3.935	29.85	MAv1	33.3	-30.3	32.85	54	-21.15	-	-	360	101	V
5	* 8.212	39.72	PK2	35.7	-26.5	48.92	-	-	74	-25.08	360	101	V
	* 8.21	27.57	MAv1	35.7	-26.5	36.77	54	-17.23	-	-	360	101	V
6	* 11.88	36.34	PK2	38.7	-22.9	52.14	-	-	74	-21.86	360	101	V
	* 11.879	25.18	MAv1	38.7	-22.9	40.98	54	-13.02	-	-	360	101	V

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

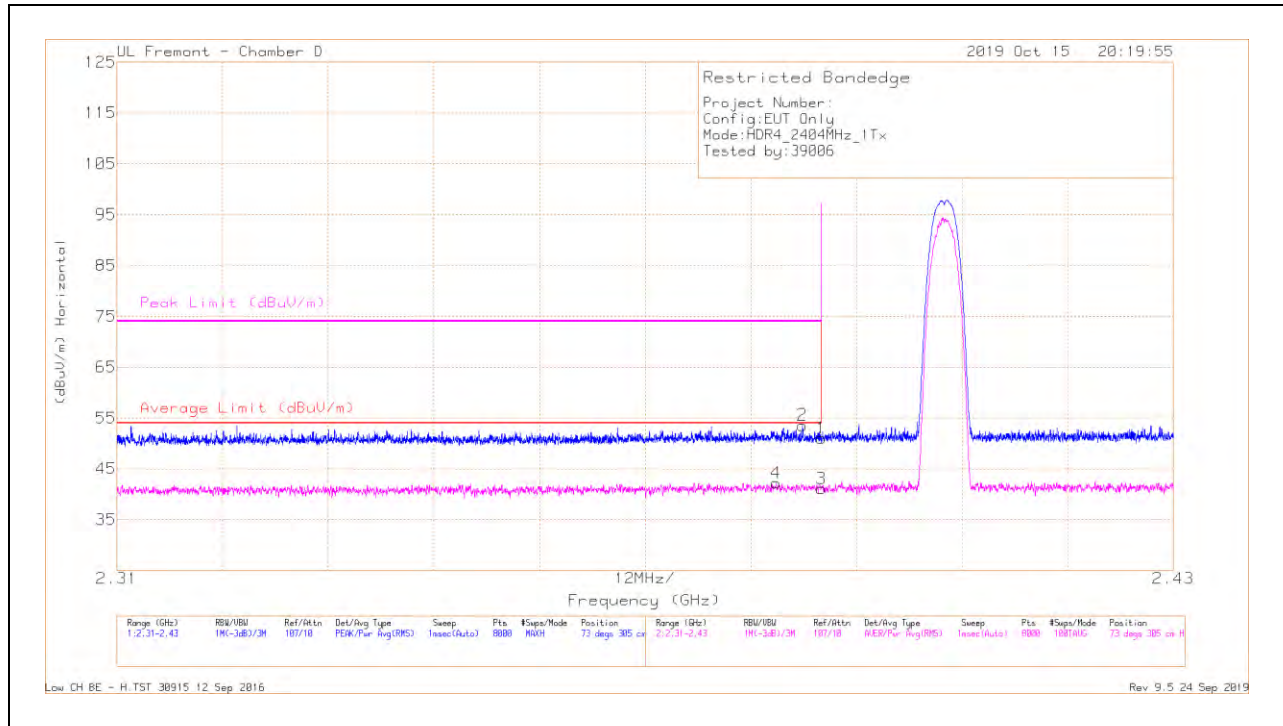
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

LAT 3

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



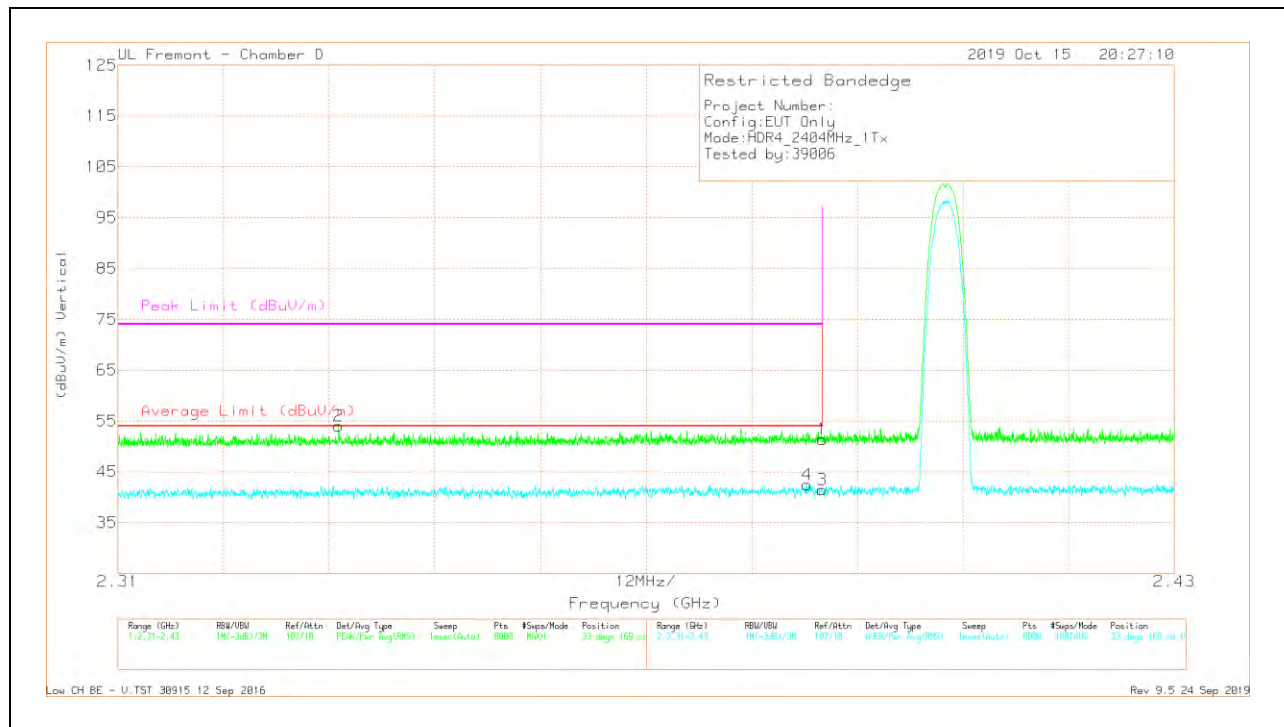
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 2.38488	30.82	RMS	32	-20.6	42.22	54	-11.78	-	-	73	305	H
2	* 2.38789	42.18	Pk	32	-20.6	53.58	-	-	74	-20.42	73	305	H
1	* 2.38999	39.51	Pk	32	-20.5	51.01	-	-	74	-22.99	73	305	H
3	* 2.38999	29.63	RMS	32	-20.5	41.13	54	-12.87	-	-	73	305	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
2	* 2.33505	42.79	Pk	31.8	-20.6	53.99	-	-	74	-20.01	33	169	V
4	* 2.38828	31.06	RMS	32	-20.6	42.46	54	-11.54	-	-	33	169	V
1	* 2.38999	39.89	Pk	32	-20.5	51.39	-	-	74	-22.61	33	169	V
3	* 2.38999	29.96	RMS	32	-20.5	41.46	54	-12.54	-	-	33	169	V

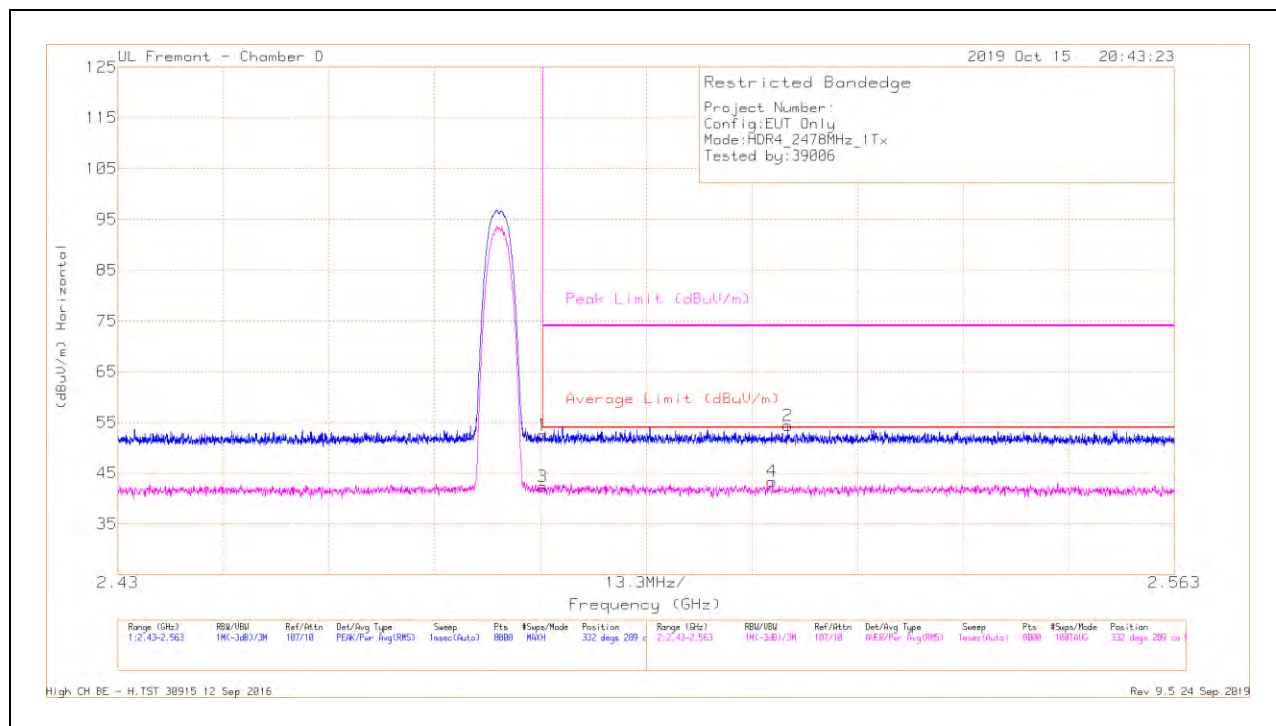
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

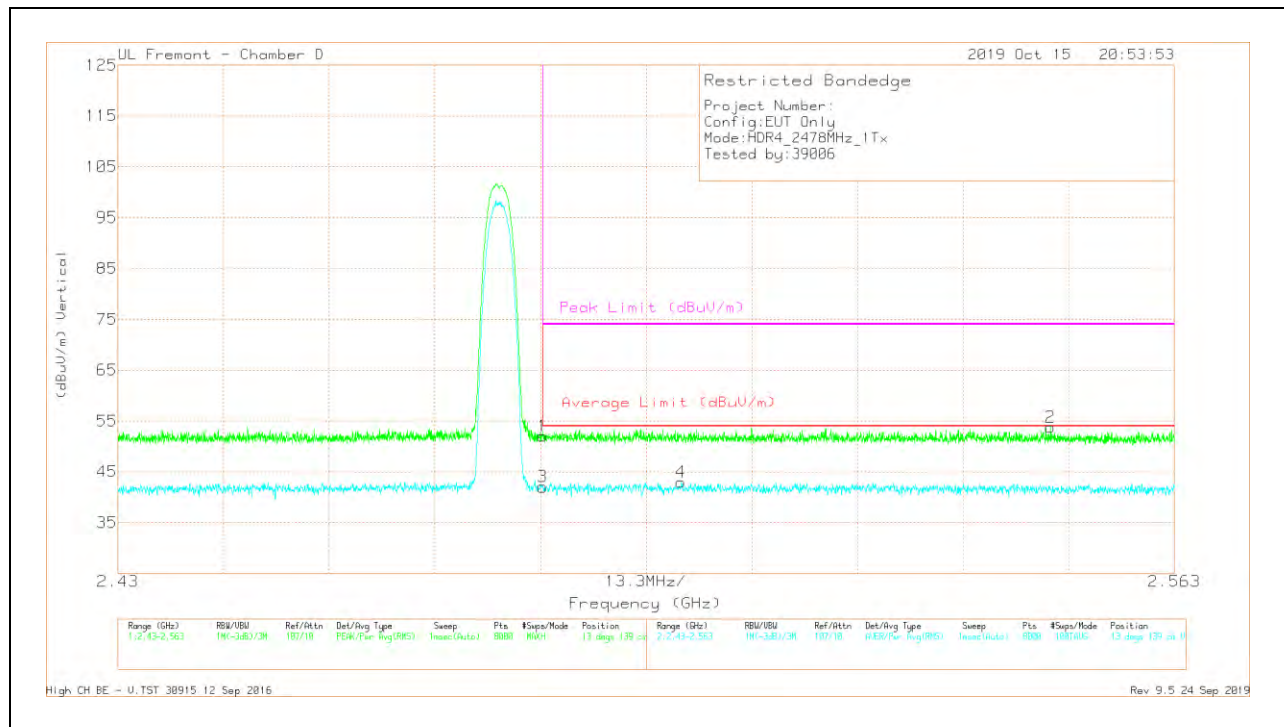
HORIZONTAL RESULT



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	40.61	Pk	32.4	-20.5	52.51	-	-	74	-21.49	332	289	H
3	* 2.48351	30.43	RMS	32.4	-20.5	42.33	54	-11.67	-	-	332	289	H
4	2.51239	31.5	RMS	32.3	-20.4	43.4	54	-10.6	-	-	332	289	H
2	2.51433	42.49	Pk	32.3	-20.4	54.39	-	-	74	-19.61	332	289	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	40.18	Pk	32.4	-20.5	52.08	-	-	74	-21.92	13	139	V
3	* 2.48351	30.14	RMS	32.4	-20.5	42.04	54	-11.96	-	-	13	139	V
4	2.5009	31.13	RMS	32.3	-20.5	42.93	54	-11.07	-	-	13	139	V
2	2.54742	42.02	Pk	32.1	-20.3	53.82	-	-	74	-20.18	13	139	V

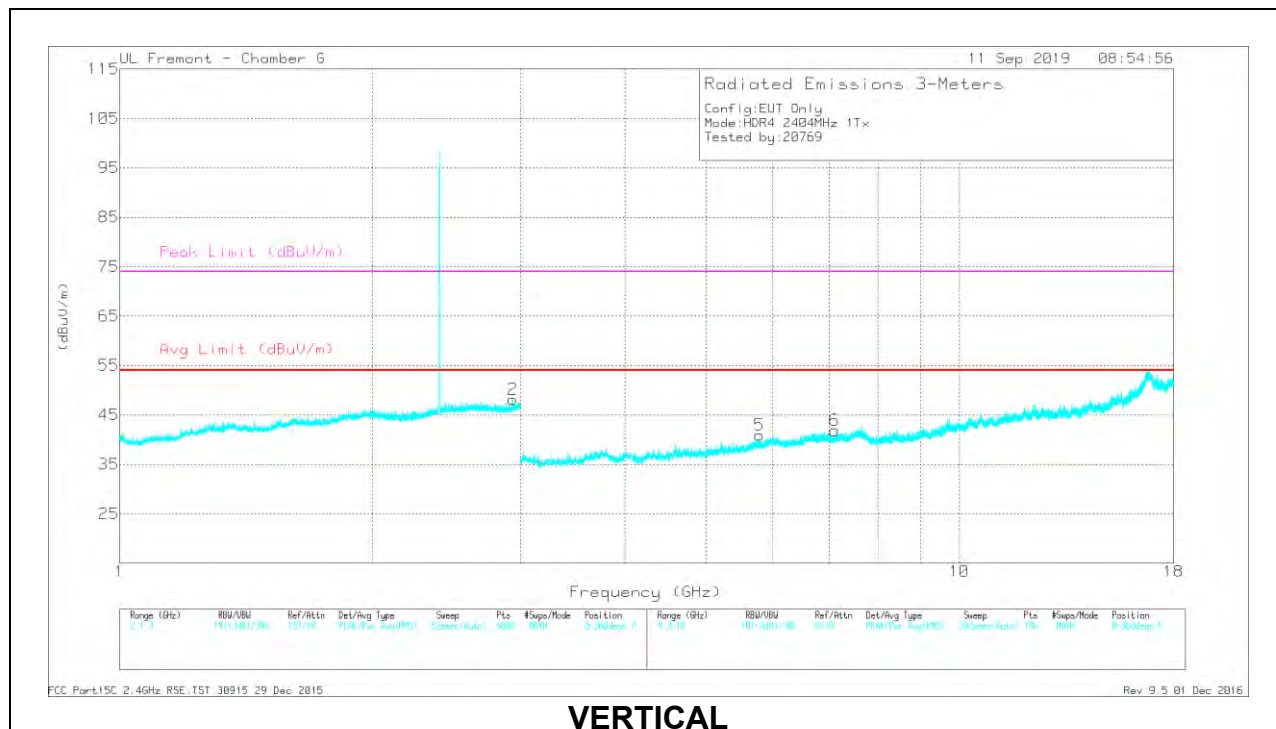
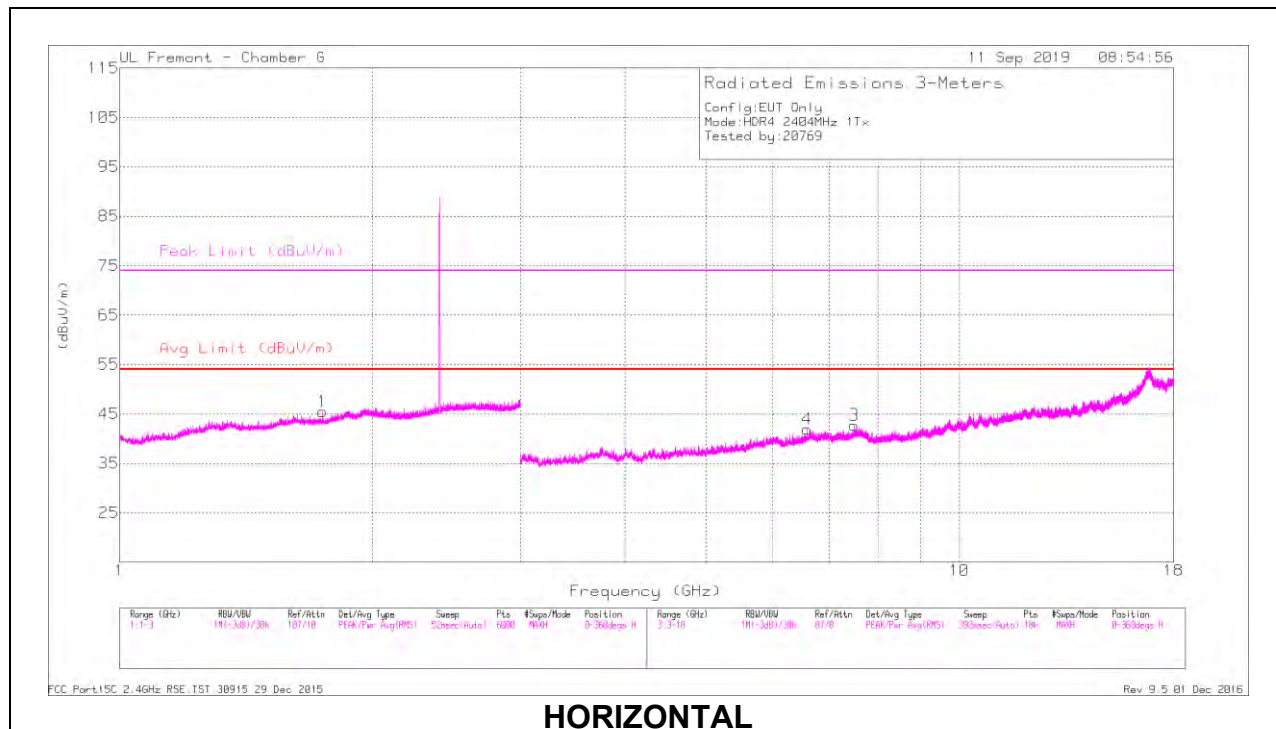
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

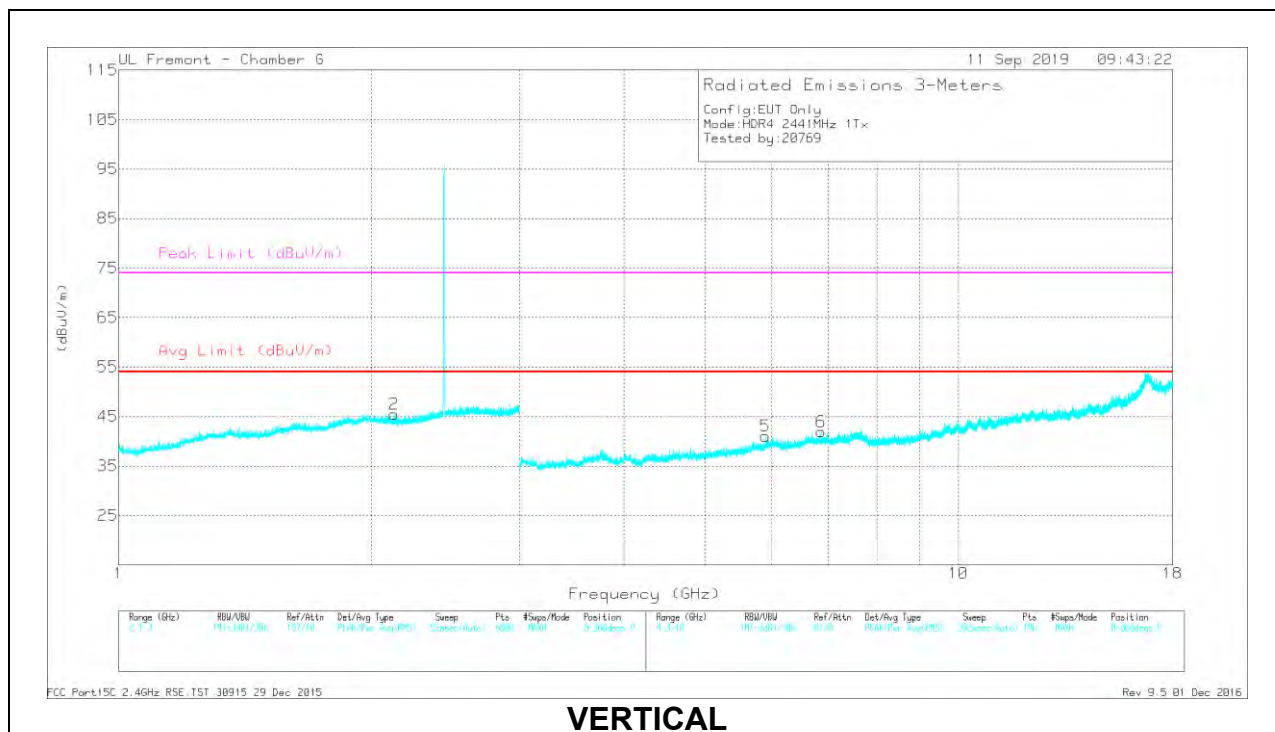
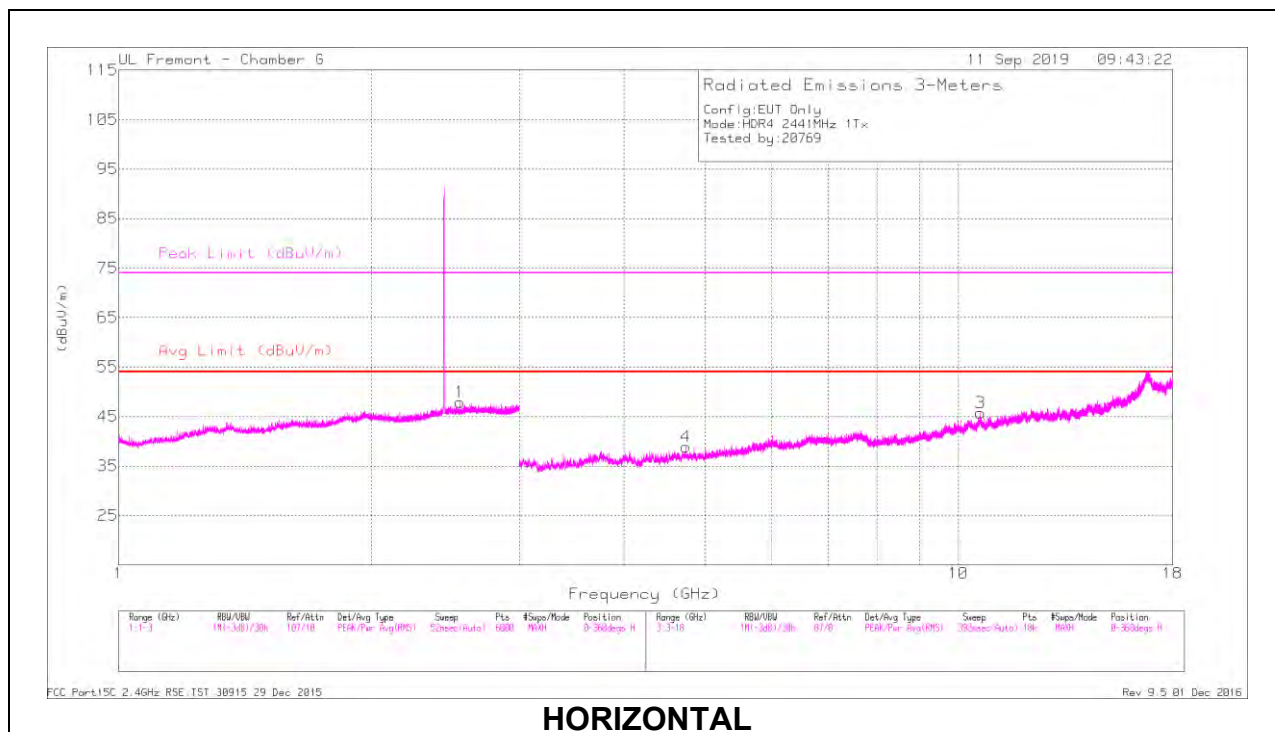
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* 7.494	38.95	PK2	36.6	-27.2	48.35	-	-	74	-25.65	248	271	H
	* 7.495	27.61	MAv1	36.6	-27.2	37.01	54	-16.99	-	-	248	271	H
1	1.746	43.88	PK2	29.7	-22.1	51.48	-	-	-	-	42	165	H
2	2.939	43.51	PK2	32.3	-21.7	54.11	-	-	-	-	256	268	V
5	5.788	40.69	PK2	35.4	-29.4	46.69	-	-	-	-	224	132	V
4	6.59	39.7	PK2	36.2	-27.9	48	-	-	-	-	305	261	H
6	7.102	40.09	PK2	36.4	-28.6	47.89	-	-	-	-	214	173	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

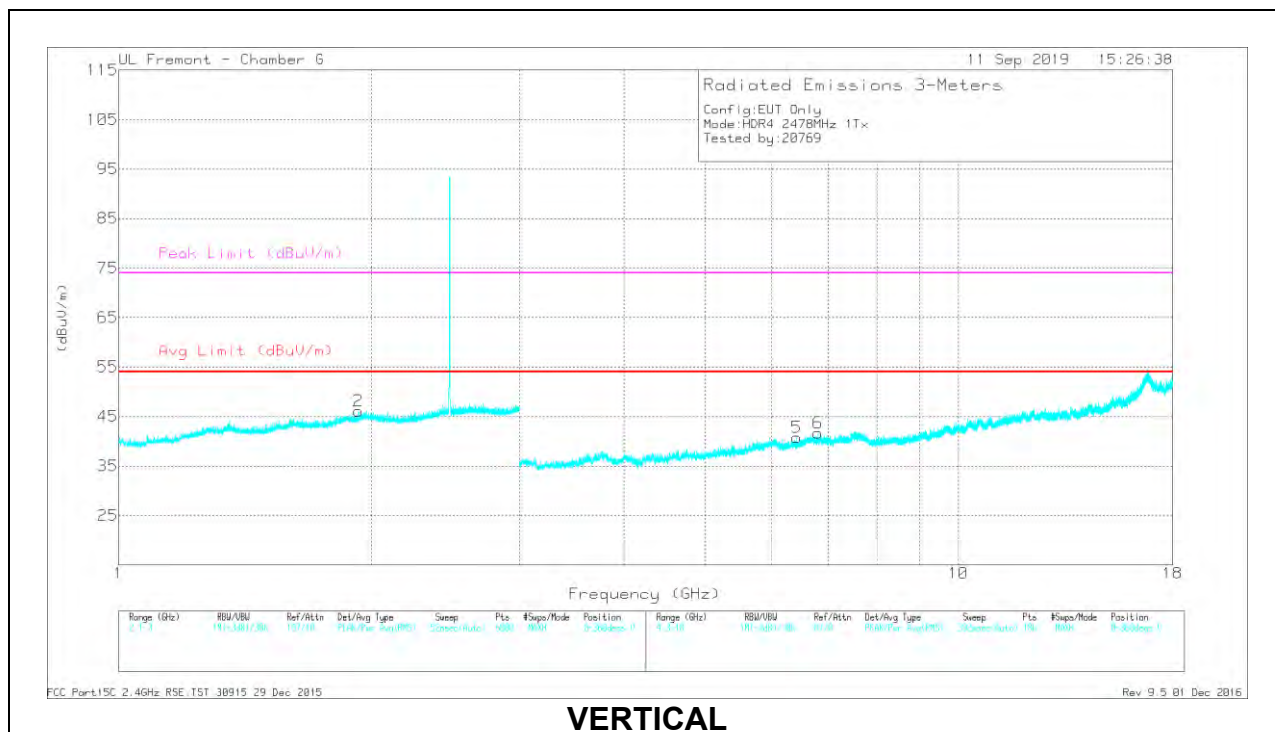
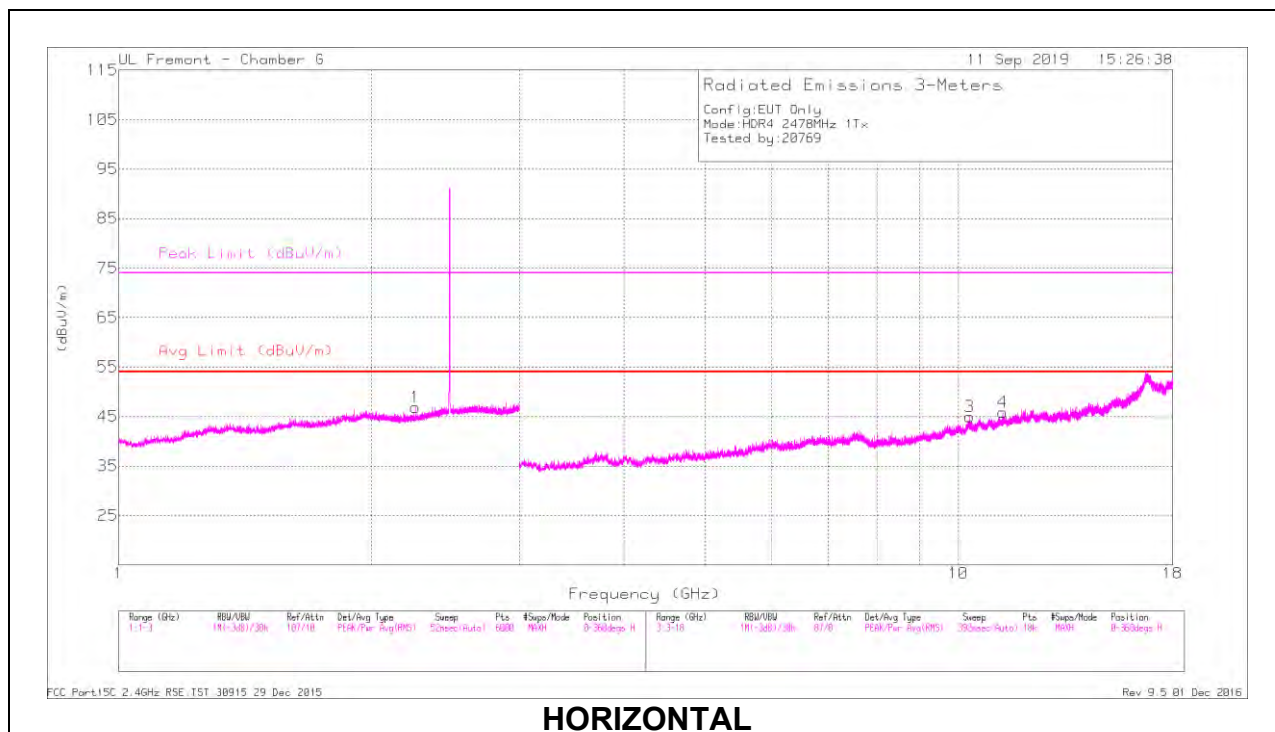


RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* 10.634	37.06	PK2	37.6	-23.2	51.46	-	-	74	-22.54	279	252	H
	* 10.631	25.44	MAv1	37.7	-23.1	40.04	54	-13.96	-	-	279	252	H
4	* 4.74	41.03	PK2	34	-29.5	45.53	-	-	74	-28.47	15	233	H
	* 4.744	29.23	MAv1	34	-29.6	33.63	54	-20.37	-	-	15	233	H
2	2.13	43.56	PK2	31.1	-22.4	52.26	-	-	-	-	170	379	V
1	2.548	44.25	PK2	32.4	-22.2	54.45	-	-	-	-	354	282	H
5	5.894	40.33	PK2	35.6	-29.3	46.63	-	-	-	-	258	131	V
6	6.86	39.96	PK2	36.4	-28	48.36	-	-	-	-	234	390	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK2 - KDB558074 Method: Maximum Peak
MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.259	43.55	PK2	31.4	-22.4	52.55	-	-	74	-21.45	257	360	H
	* 2.255	28.66	MAv1	31.3	-22.4	37.56	54	-16.44	-	-	257	360	H
4	* 11.303	36.9	PK2	37.9	-22.7	52.1	-	-	74	-21.9	296	238	H
	* 11.304	24.81	MAv1	37.9	-22.7	40.01	54	-13.99	-	-	296	238	H
2	1.93	43.87	PK2	31.5	-22.7	52.67	-	-	-	-	115	333	V
5	6.428	41.45	PK2	35.8	-29.1	48.15	-	-	-	-	246	255	V
6	6.807	40.68	PK2	36.4	-28.7	48.38	-	-	-	-	45	190	V
3	10.326	36.88	PK2	37.6	-23.6	50.88	-	-	-	-	7	137	H

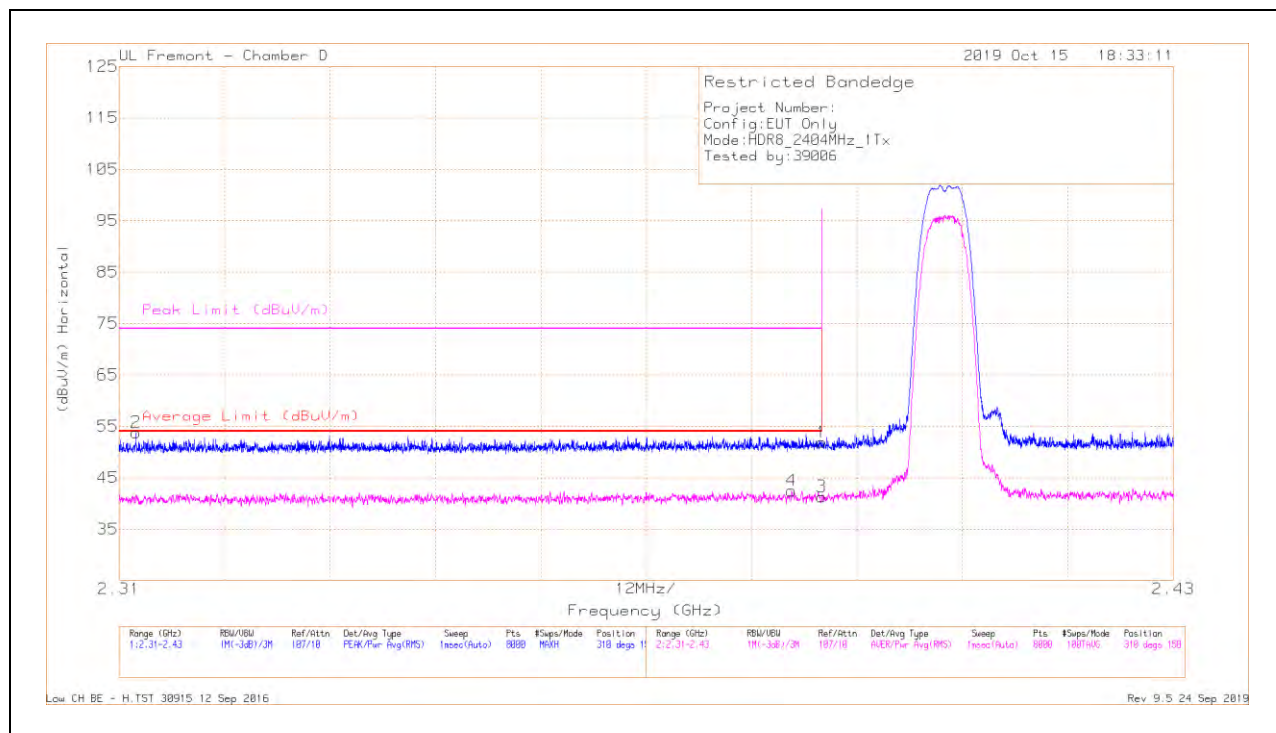
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK2 - KDB558074 Method: Maximum Peak
MAv1 - KDB558074 Option 1 Maximum RMS Average

9.2.4. LOW POWER HDR (HDR8)

UAT 1

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



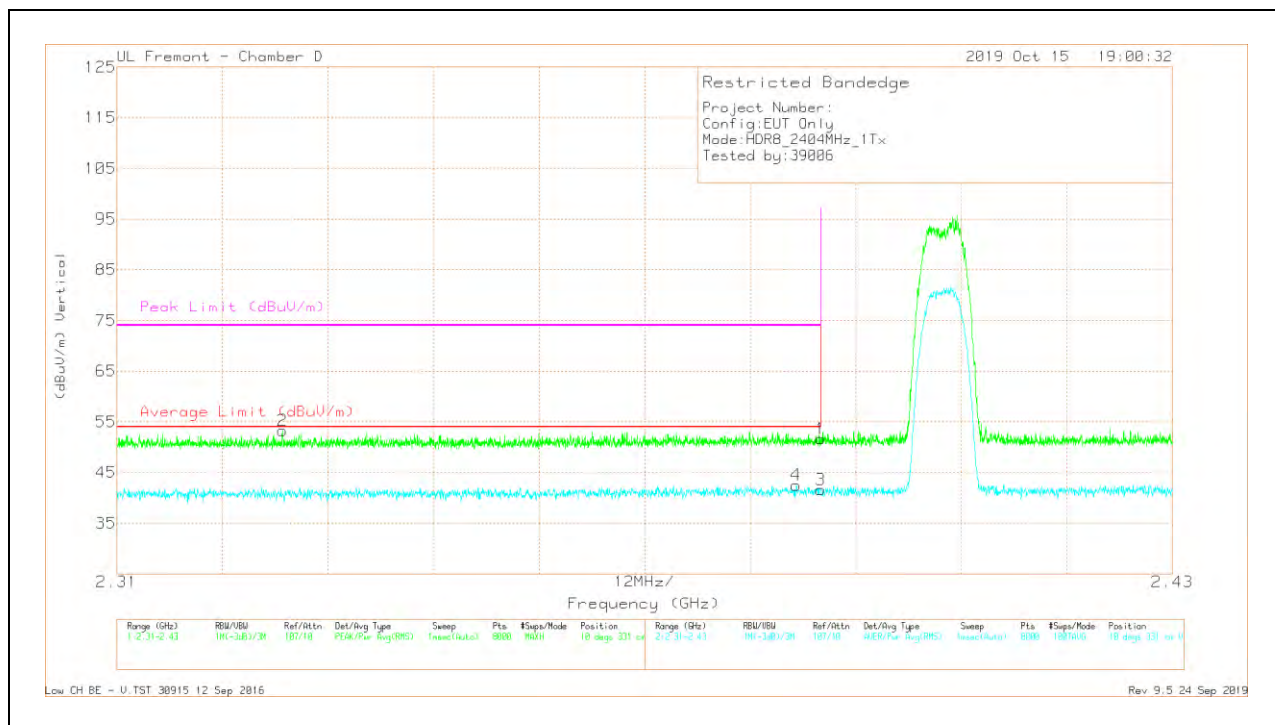
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	40.42	Pk	32	-20.5	51.92	-	-	74	-22.08	310	150	H
2	* 2.31194	42.68	Pk	31.7	-20.6	53.78	-	-	74	-20.22	310	150	H
3	* 2.38999	29.83	RMS	32	-20.5	41.33	54	-12.67	-	-	310	150	H
4	* 2.38656	31.06	RMS	32	-20.6	42.46	54	-11.54	-	-	310	150	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
2	* 2.32883	42.22	Pk	31.7	-20.6	53.32	-	-	74	-20.68	10	331	V
4	* 2.38726	31.13	RMS	32	-20.6	42.53	54	-11.47	-	-	10	331	V
1	* 2.38999	40.14	Pk	32	-20.5	51.64	-	-	74	-22.36	10	331	V
3	* 2.38999	30.09	RMS	32	-20.5	41.59	54	-12.41	-	-	10	331	V

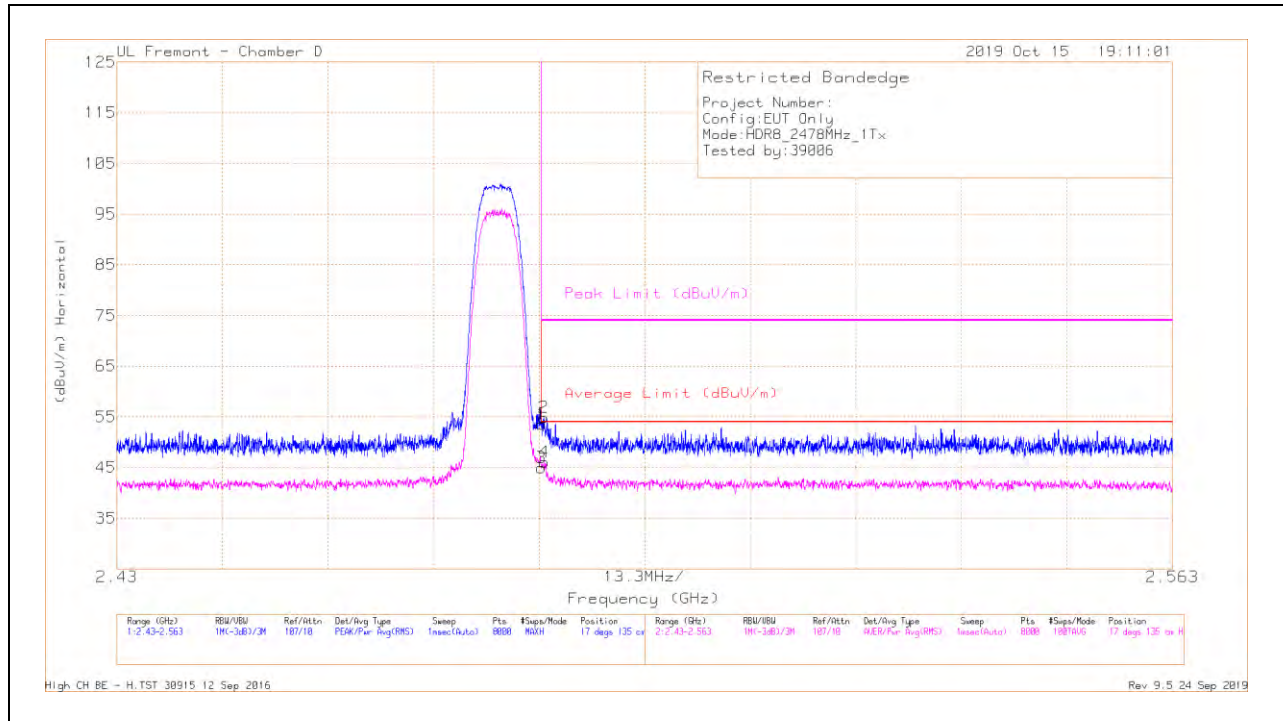
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



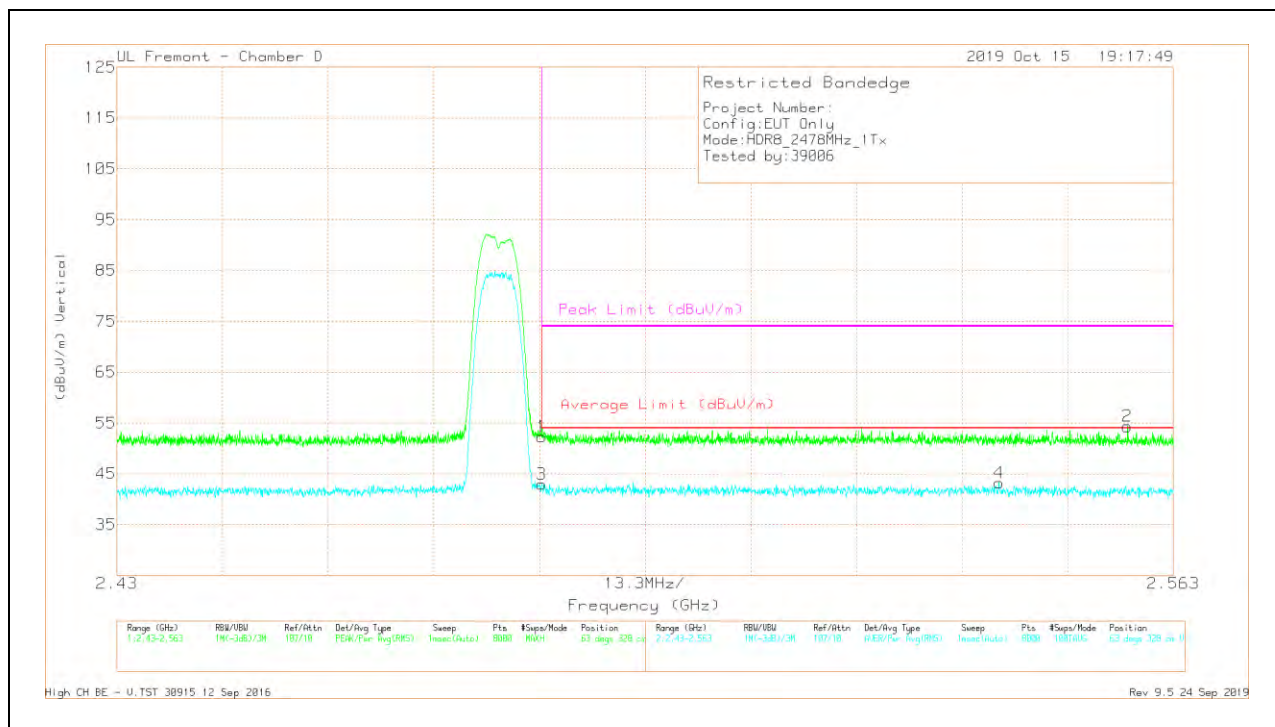
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	41.68	Pk	32.4	-20.5	53.58	-	-	74	-20.42	17	135	H
3	* 2.48351	33.03	RMS	32.4	-20.5	44.93	54	-9.07	-	-	17	135	H
2	* 2.48377	42.97	Pk	32.4	-20.5	54.87	-	-	74	-19.13	17	135	H
4	* 2.4839	34.26	RMS	32.3	-20.5	46.06	54	-7.94	-	-	17	135	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	40.43	Pk	32.4	-20.5	52.33	-	-	74	-21.67	63	328	V
3	* 2.48351	31.01	RMS	32.4	-20.5	42.91	54	-11.09	-	-	63	328	V
4	2.54104	31.36	RMS	32.2	-20.3	43.26	54	-10.74	-	-	63	328	V
2	2.55725	42.73	Pk	32	-20.4	54.33	-	-	74	-19.67	63	328	V

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

Pk - Peak detector

RMS - RMS detection