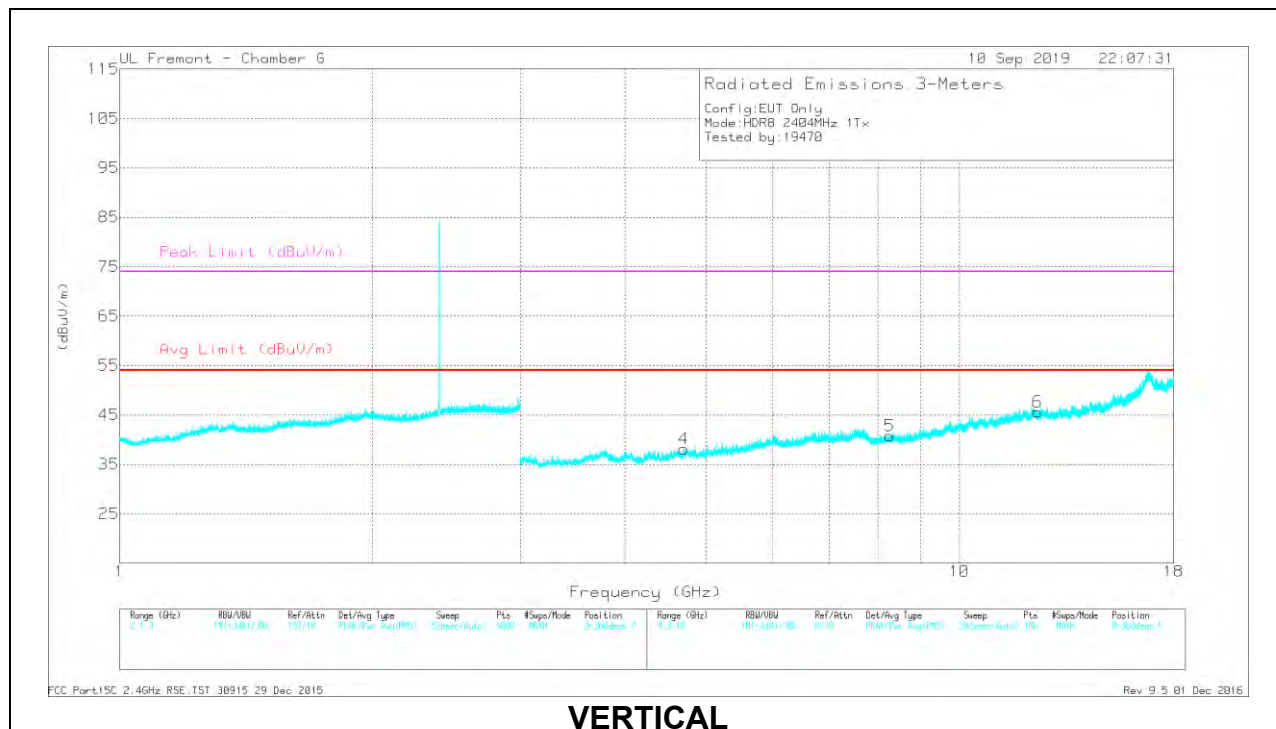
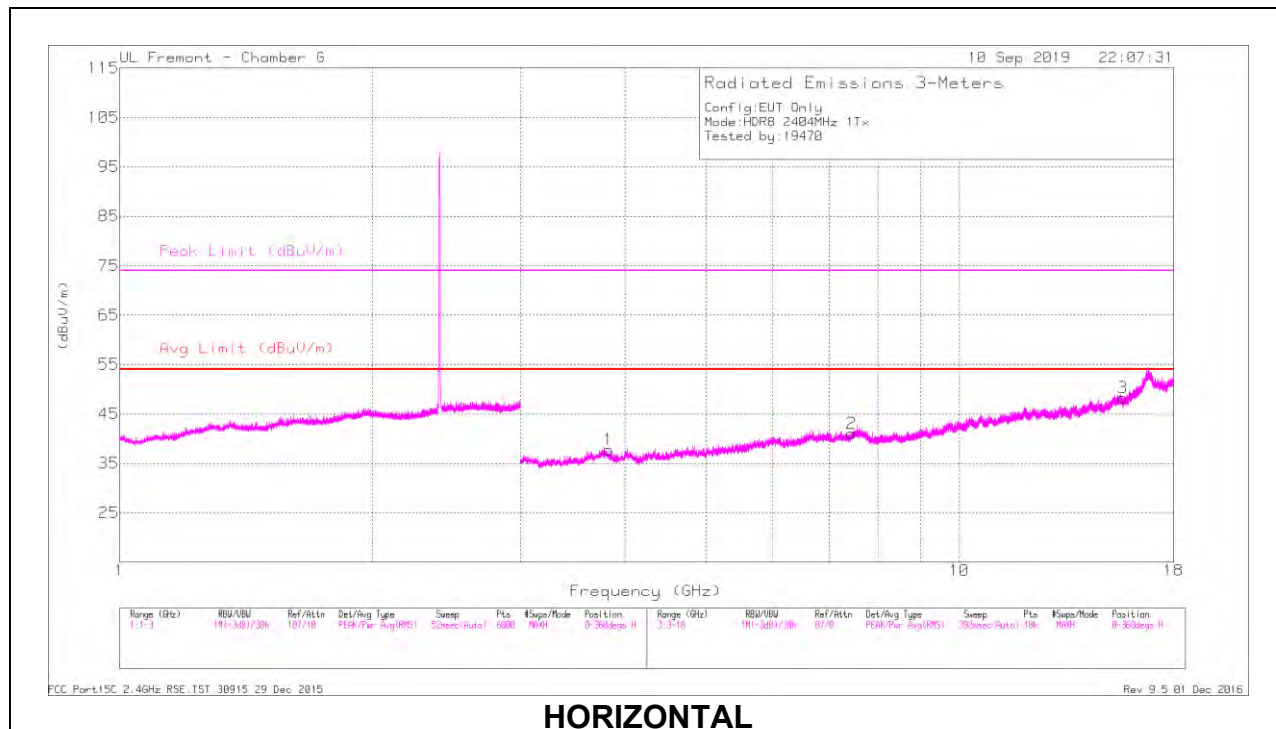


HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

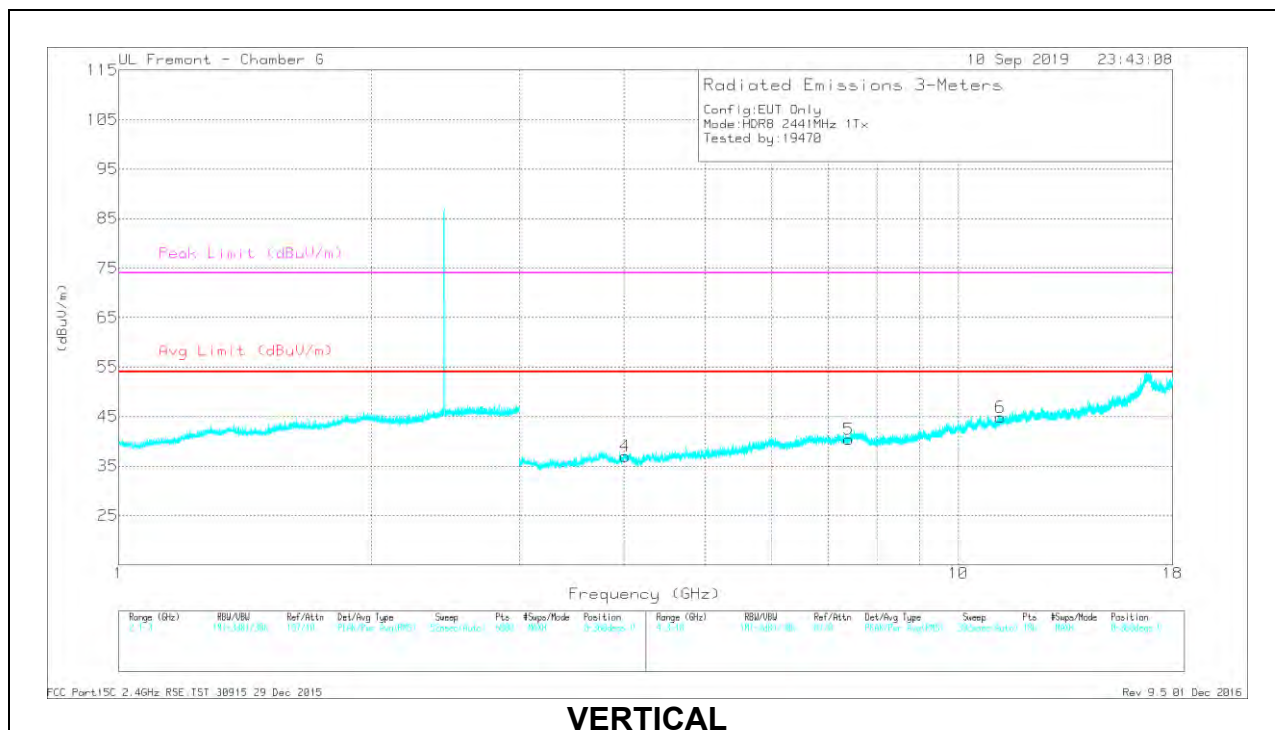
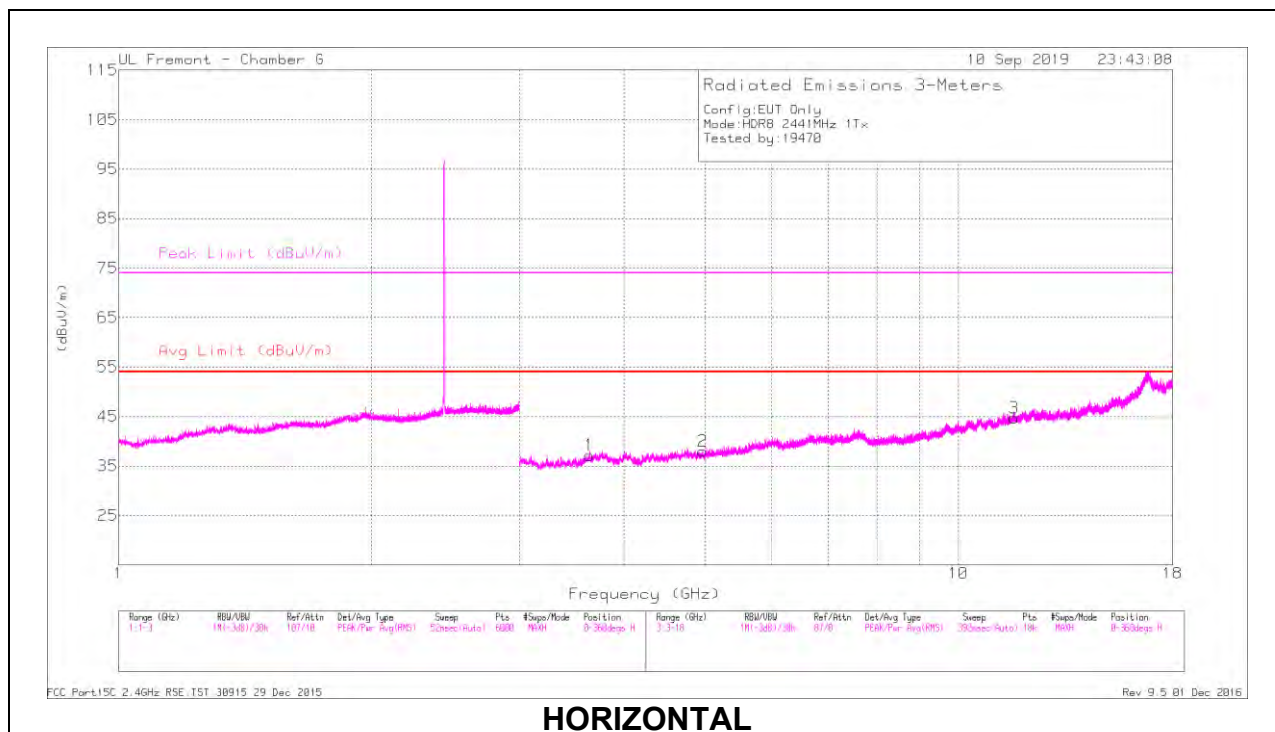
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.827	41.57	PK2	33.4	-30.4	44.57	-	-	74	-29.43	0	101	H
	* 3.826	29.61	MAv1	33.5	-30.3	32.81	54	-21.19	-	-	0	101	H
2	* 7.442	39.81	PK2	36.5	-27.8	48.51	-	-	74	-25.49	0	101	H
	* 7.441	28.63	MAv1	36.5	-27.8	37.33	54	-16.67	-	-	0	101	H
3	* 15.657	37.56	PK2	40.8	-23.2	55.16	-	-	74	-18.84	0	101	H
	* 15.657	26.43	MAv1	40.8	-23.2	44.03	54	-9.97	-	-	0	101	H
4	* 4.696	40.62	PK2	34.1	-29.5	45.22	-	-	74	-28.78	0	101	V
	* 4.698	29.71	MAv1	34	-29.5	34.21	54	-19.79	-	-	0	101	V
5	* 8.263	39.16	PK2	35.7	-26.9	47.96	-	-	74	-26.04	0	101	V
	* 8.265	27.92	MAv1	35.7	-26.9	36.72	54	-17.28	-	-	0	101	V
6	* 12.394	37.2	PK2	39	-23.4	52.8	-	-	74	-21.2	0	101	V
	* 12.394	25.92	MAv1	39	-23.4	41.52	54	-12.48	-	-	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

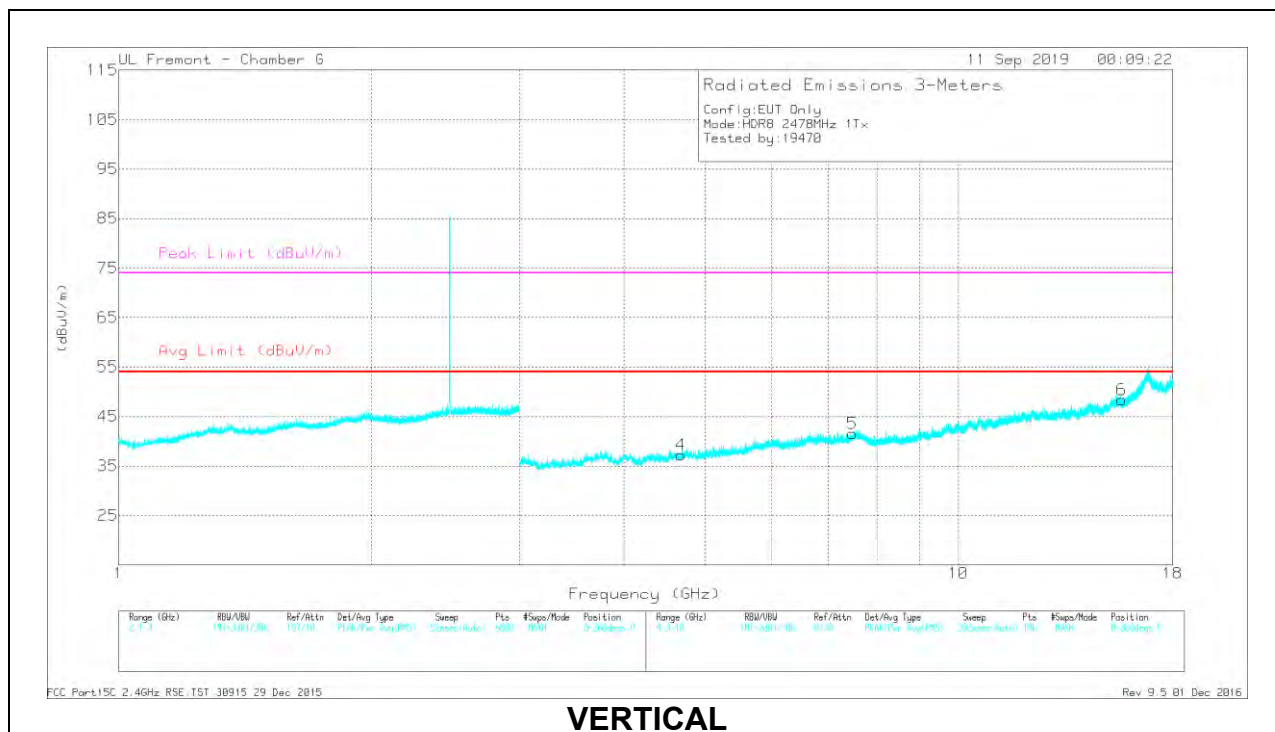
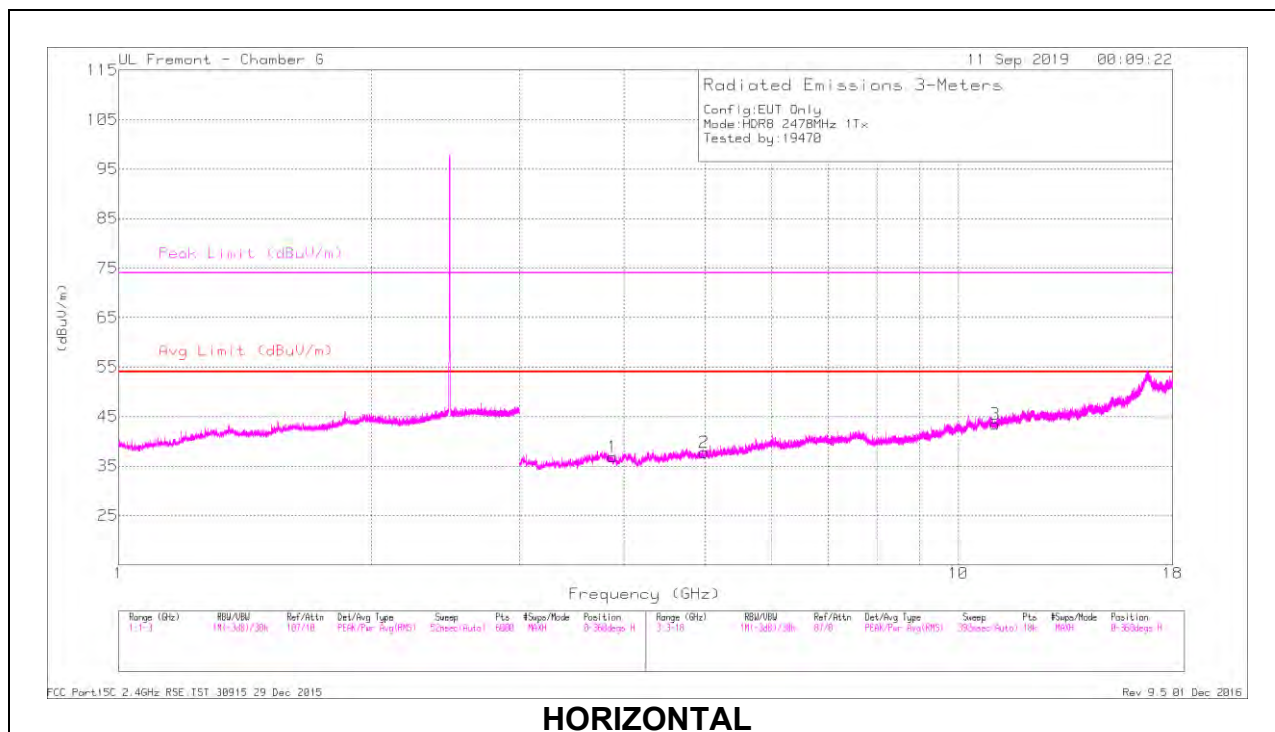
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.634	40.35	PK2	33.1	-29.6	43.85	-	-	74	-30.15	0	101	H
	* 3.638	29.4	MAv1	33.1	-29.5	33	54	-21	-	-	0	101	H
2	* 4.962	41.2	PK2	34	-29.6	45.6	-	-	74	-28.4	0	101	H
	* 4.96	29.46	MAv1	34	-29.6	33.86	54	-20.14	-	-	0	101	H
3	* 11.659	36.8	PK2	38.4	-22.7	52.5	-	-	74	-21.5	0	101	H
	* 11.661	25.39	MAv1	38.4	-22.6	41.19	54	-12.81	-	-	0	101	H
4	* 4.016	40.09	PK2	33.2	-29.2	44.09	-	-	74	-29.91	0	101	V
	* 4.016	29.04	MAv1	33.2	-29.2	33.04	54	-20.96	-	-	0	101	V
5	* 7.406	39.9	PK2	36.4	-28.2	48.1	-	-	74	-25.9	0	101	V
	* 7.404	28.78	MAv1	36.4	-28.2	36.98	54	-17.02	-	-	0	101	V
6	* 11.224	37.17	PK2	37.8	-22.8	52.17	-	-	74	-21.83	0	101	V
	* 11.221	25.89	MAv1	37.8	-22.9	40.79	54	-13.21	-	-	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	* 3.876	41.62	PK2	33.4	-30.6	44.42	-	-	74	-29.58	0	101	H
	* 3.878	29.99	MAv1	33.4	-30.6	32.79	54	-21.21	-	-	0	101	H
2	* 4.984	40.13	PK2	34	-29.6	44.53	-	-	74	-29.47	0	101	H
	* 4.982	28.86	MAv1	33.9	-29.6	33.16	54	-20.84	-	-	0	101	H
3	* 11.067	36.71	PK2	37.6	-23.4	50.91	-	-	74	-23.09	0	101	H
	* 11.069	25.59	MAv1	37.6	-23.4	39.79	54	-14.21	-	-	0	101	H
4	* 4.672	40.13	PK2	34	-29.7	44.43	-	-	74	-29.57	0	101	V
	* 4.672	29.33	MAv1	34	-29.7	33.63	54	-20.37	-	-	0	101	V
5	* 7.483	39.03	PK2	36.6	-27.3	48.33	-	-	74	-25.67	0	101	V
	* 7.484	28.17	MAv1	36.5	-27.3	37.37	54	-16.63	-	-	0	101	V
6	* 15.66	37.74	PK2	40.8	-23.2	55.34	-	-	74	-18.66	0	101	V
	* 15.658	26.4	MAv1	40.8	-23.2	44	54	-10	-	-	0	101	V

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

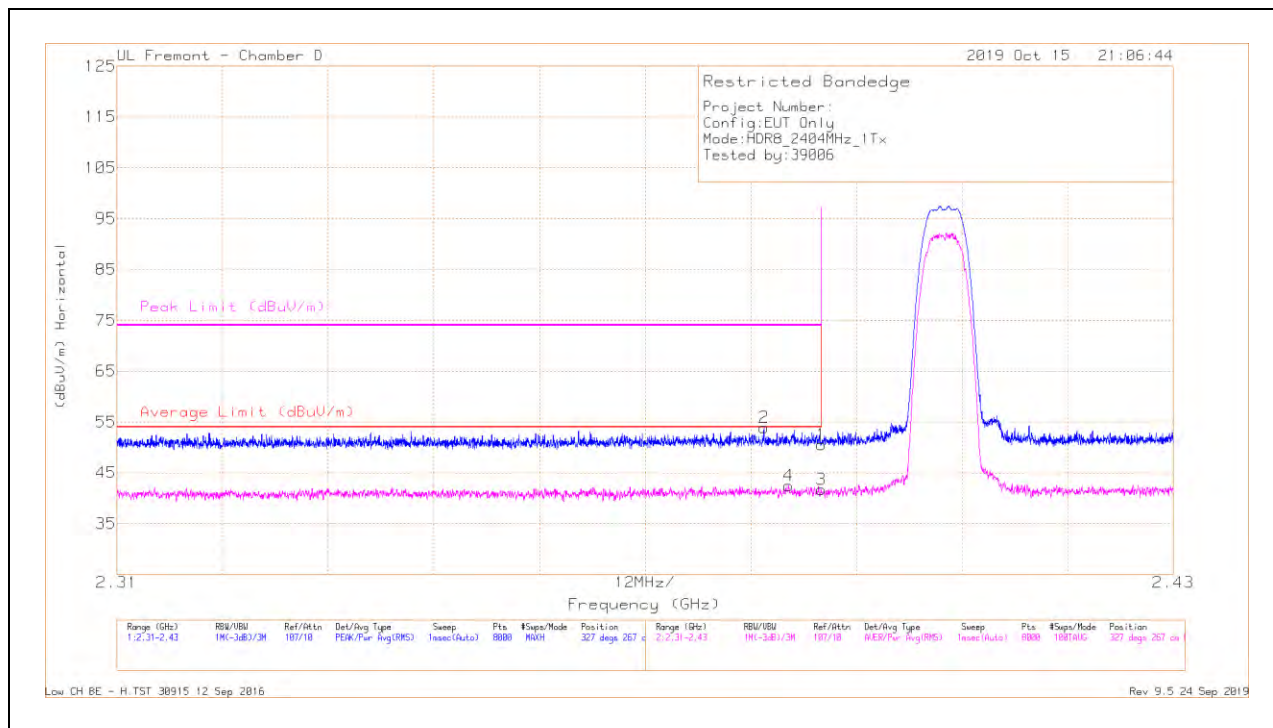
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

LAT 3

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



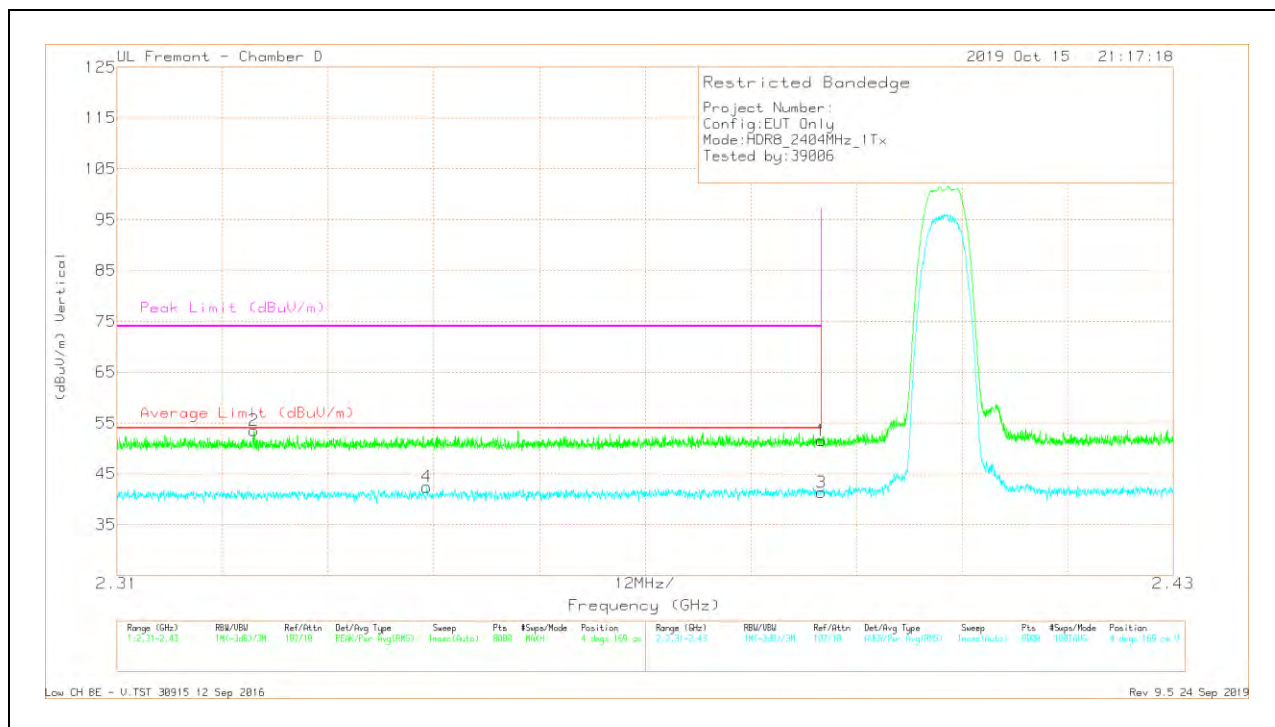
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.38351	42.5	Pk	32	-20.6	53.9	-	-	74	-20.1	327	267	H
4	* 2.38627	31.07	RMS	32	-20.6	42.47	54	-11.53	-	-	327	267	H
1	* 2.38999	39.03	Pk	32	-20.5	50.53	-	-	74	-23.47	327	267	H
3	* 2.38999	30.22	RMS	32	-20.5	41.72	54	-12.28	-	-	327	267	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	* 2.32559	42.45	Pk	31.7	-20.6	53.55	-	-	74	-20.45	4	169	V
4	* 2.34519	31.21	RMS	31.8	-20.6	42.41	54	-11.59	-	-	4	169	V
1	* 2.38999	40.03	Pk	32	-20.5	51.53	-	-	74	-22.47	4	169	V
3	* 2.38999	29.83	RMS	32	-20.5	41.33	54	-12.67	-	-	4	169	V

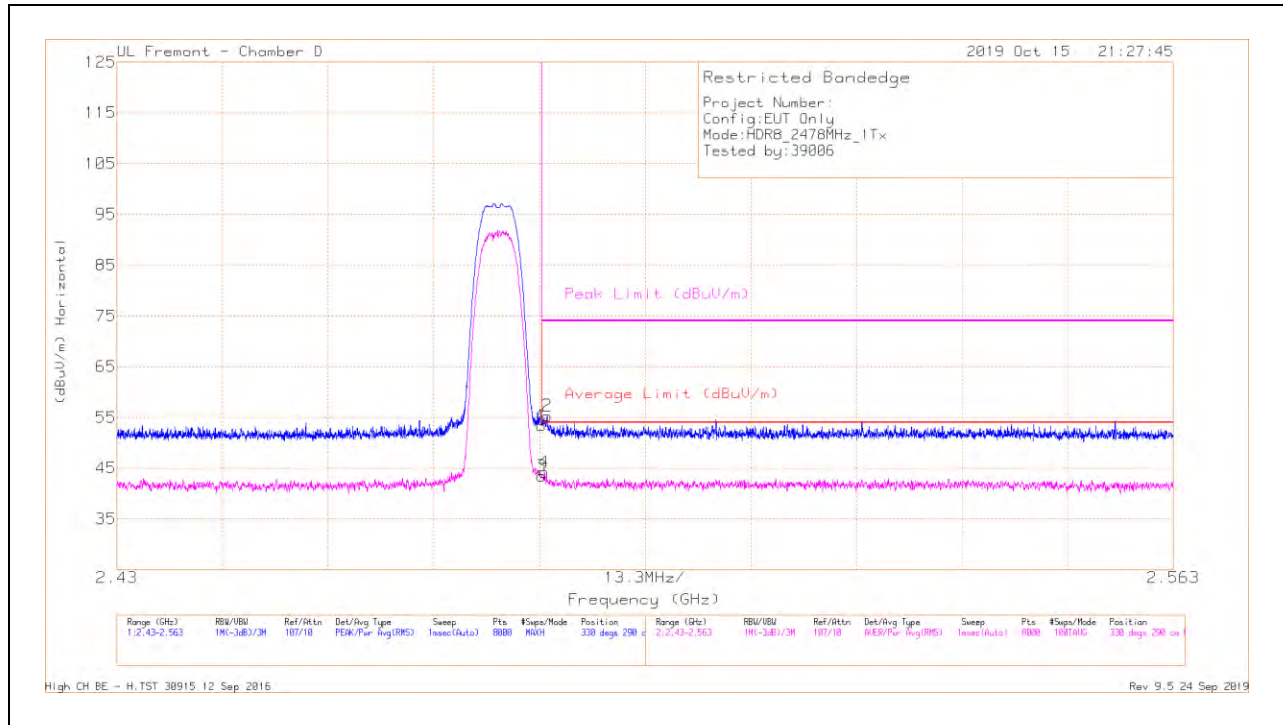
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



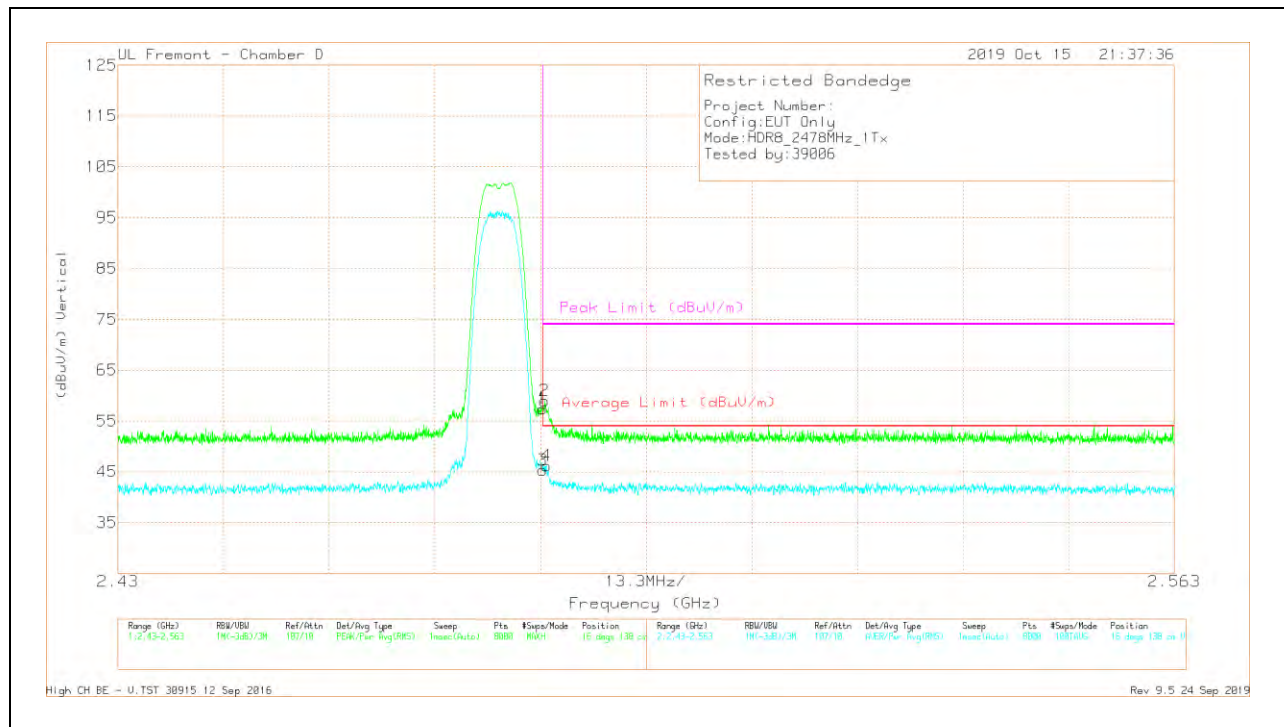
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	41.49	Pk	32.4	-20.5	53.39	-	-	74	-20.61	330	290	H
3	* 2.48351	31.55	RMS	32.4	-20.5	43.45	54	-10.55	-	-	330	290	H
4	* 2.48382	32.26	RMS	32.4	-20.5	44.16	54	-9.84	-	-	330	290	H
2	* 2.48417	43.52	Pk	32.3	-20.5	55.32	-	-	74	-18.68	330	290	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	45.49	Pk	32.4	-20.5	57.39	-	-	74	-16.61	16	138	V
3	* 2.48351	33.45	RMS	32.4	-20.5	45.35	54	-8.65	-	-	16	138	V
2	* 2.48371	47.05	Pk	32.4	-20.5	58.95	-	-	74	-15.05	16	138	V
4	* 2.48392	34.43	RMS	32.3	-20.5	46.23	54	-7.77	-	-	16	138	V

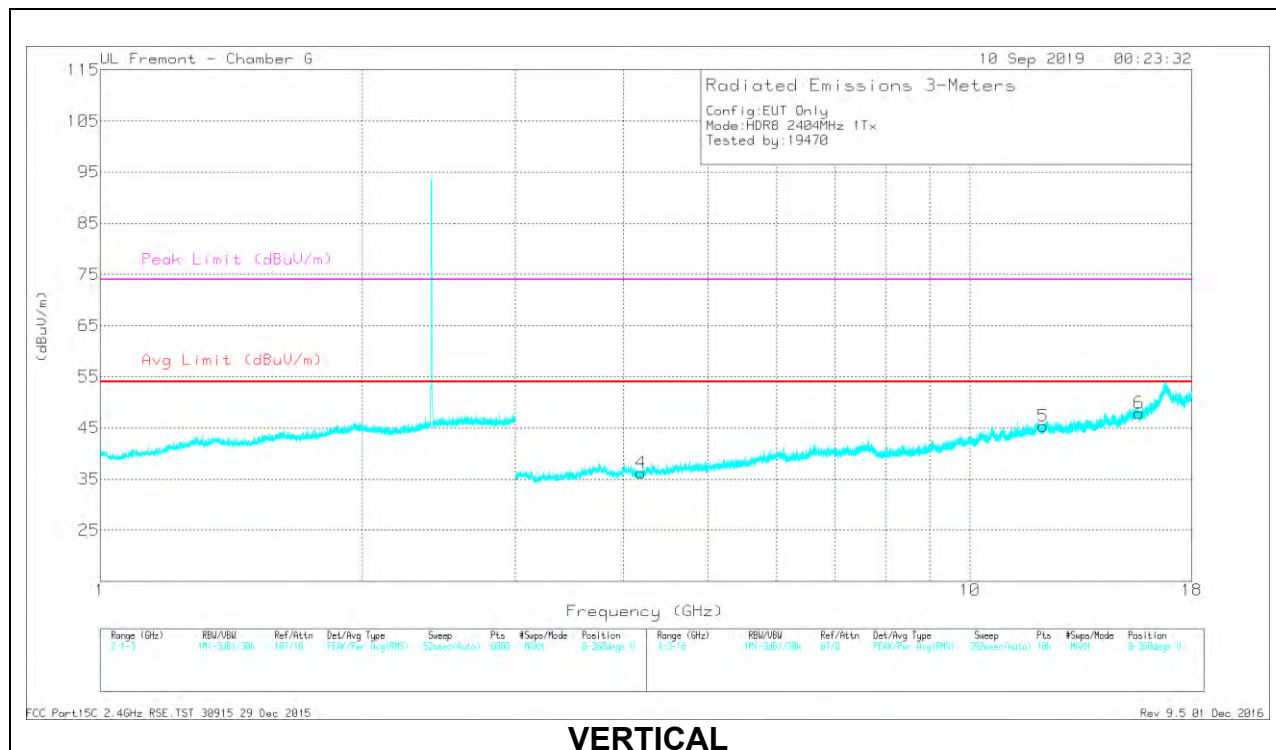
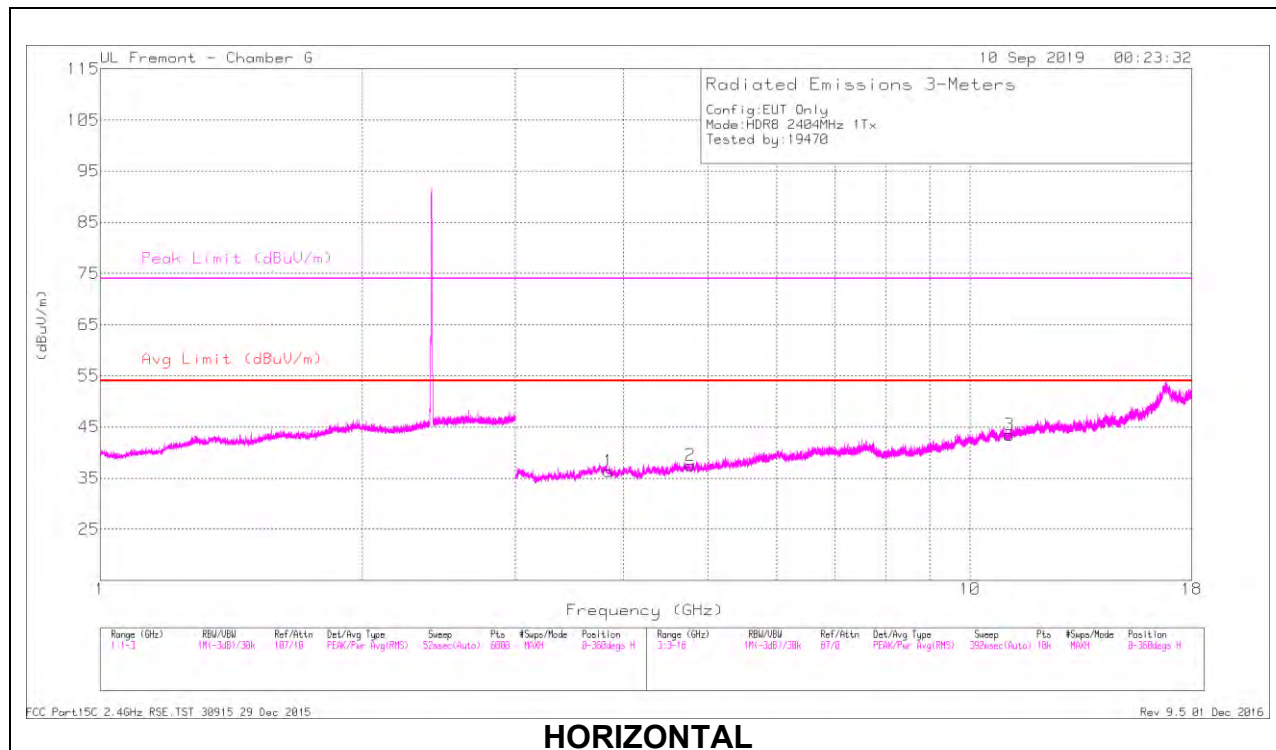
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

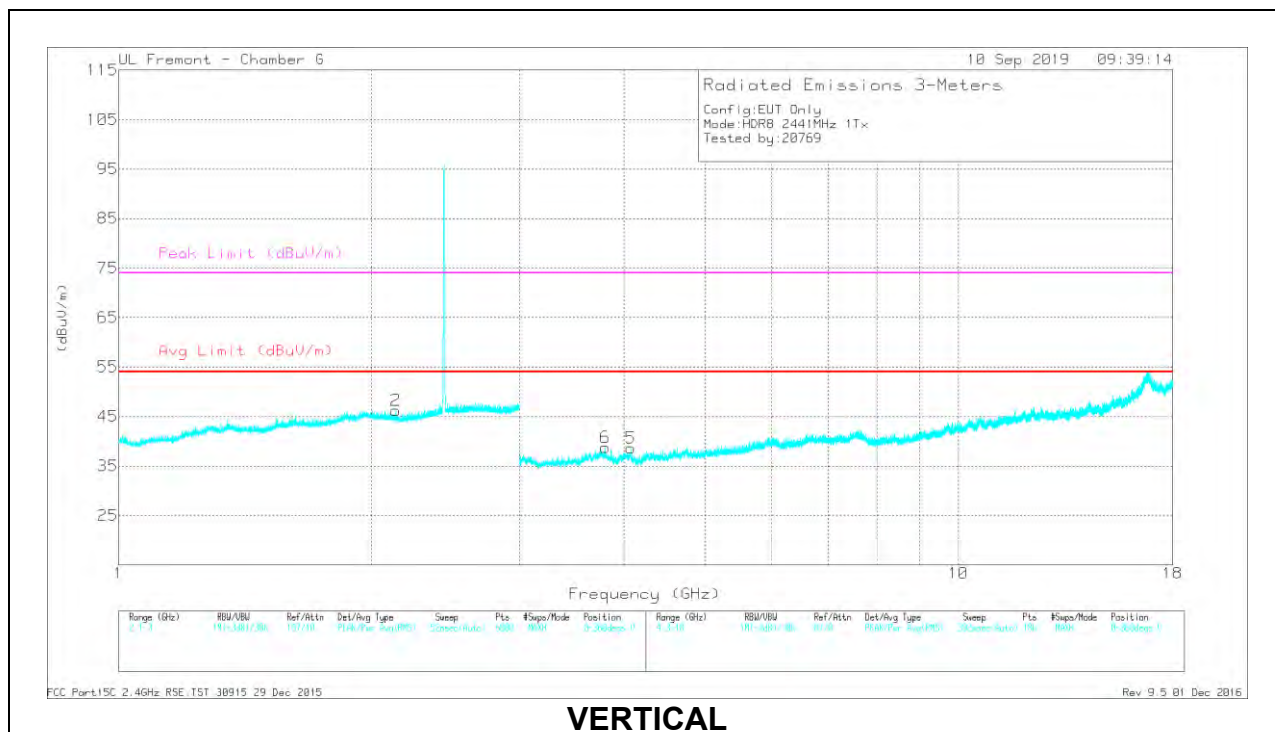
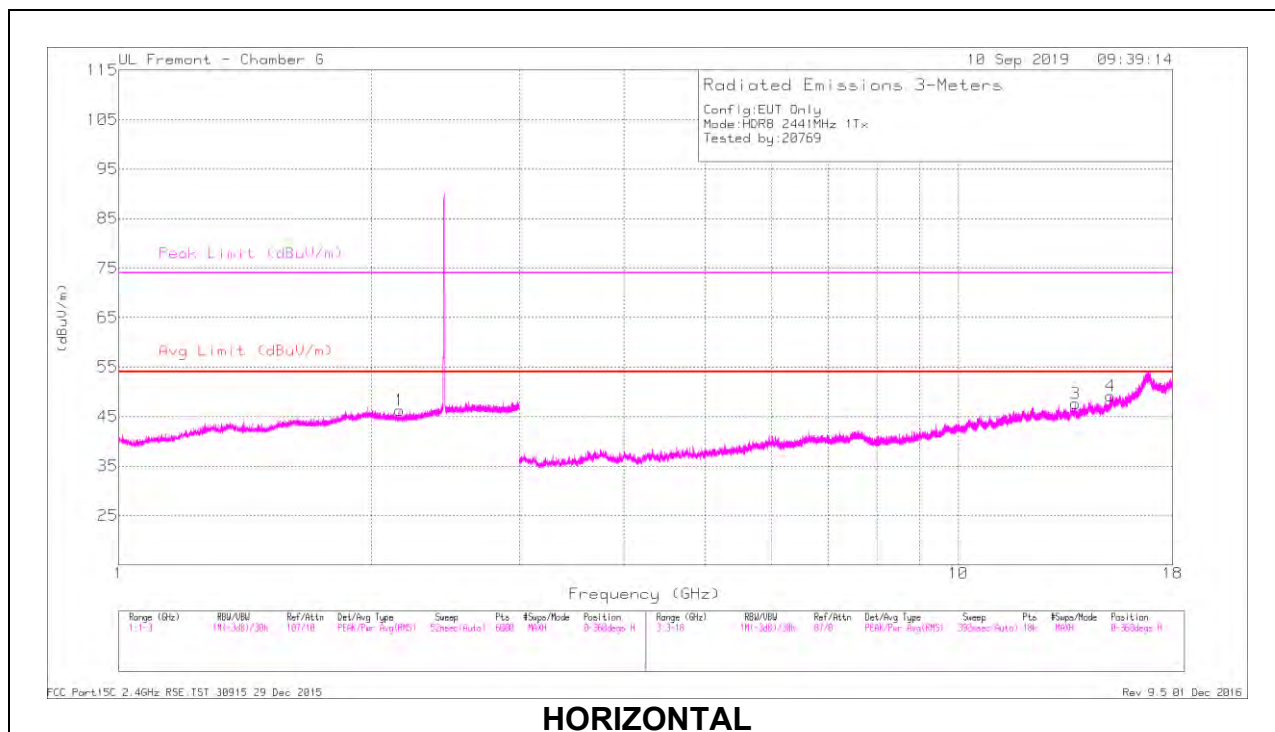
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.84	41.54	PK2	33.5	-30.5	44.54	-	-	74	-29.46	0	100	H
	* 3.84	30.14	MAv1	33.5	-30.5	33.14	54	-20.86	-	-	0	100	H
2	* 4.773	40.69	PK2	34.1	-29.7	45.09	-	-	74	-28.91	0	100	H
	* 4.771	29.15	MAv1	34.1	-29.6	33.65	54	-20.35	-	-	0	100	H
3	* 11.108	36.77	PK2	37.6	-23.9	50.47	-	-	74	-23.53	0	100	H
	* 11.107	25.86	MAv1	37.7	-23.9	39.66	54	-14.34	-	-	0	100	H
4	* 4.188	40.6	PK2	33.2	-30.4	43.4	-	-	74	-30.6	0	100	V
	* 4.19	29.56	MAv1	33.2	-30.4	32.36	54	-21.64	-	-	0	100	V
5	* 12.151	36.64	PK2	39	-23.3	52.34	-	-	74	-21.66	0	100	V
	* 12.15	24.94	MAv1	39	-23.3	40.64	54	-13.36	-	-	0	100	V
6	* 15.663	37.46	PK2	40.8	-23.1	55.16	-	-	74	-18.84	0	100	V
	* 15.663	26	MAv1	40.8	-23.1	43.7	54	-10.3	-	-	0	100	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

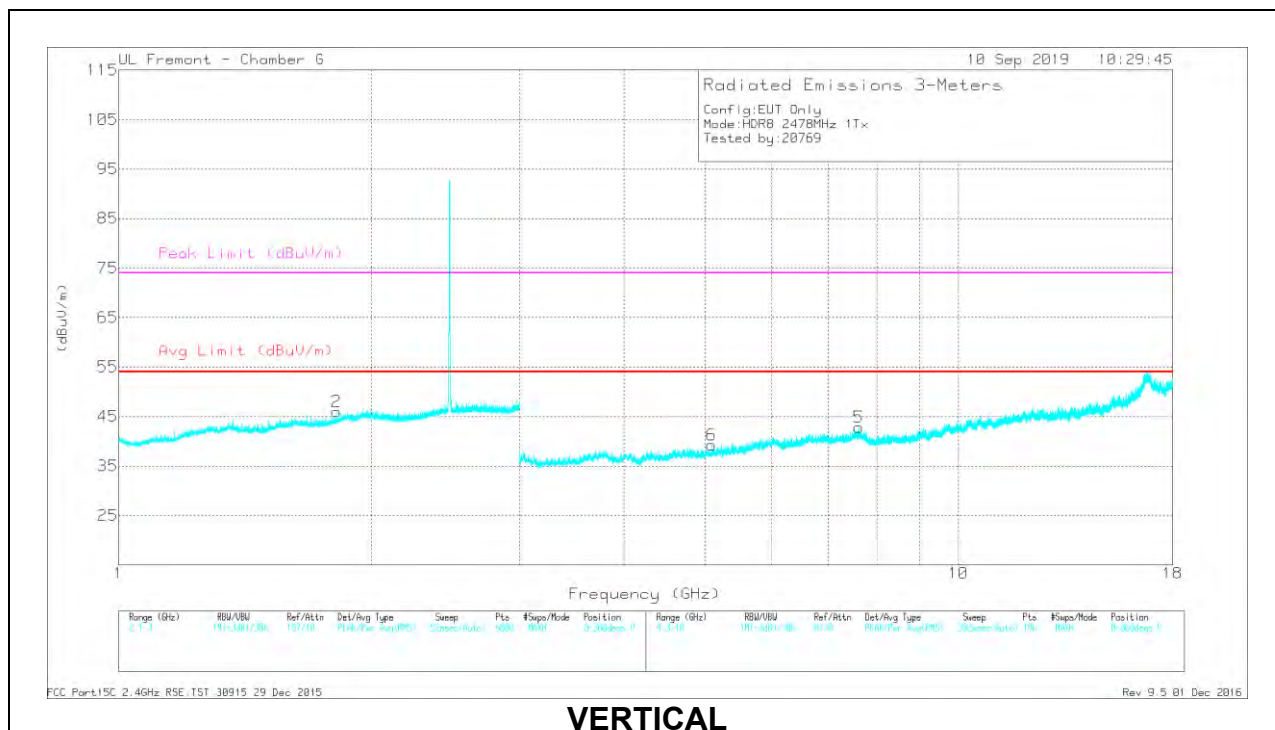
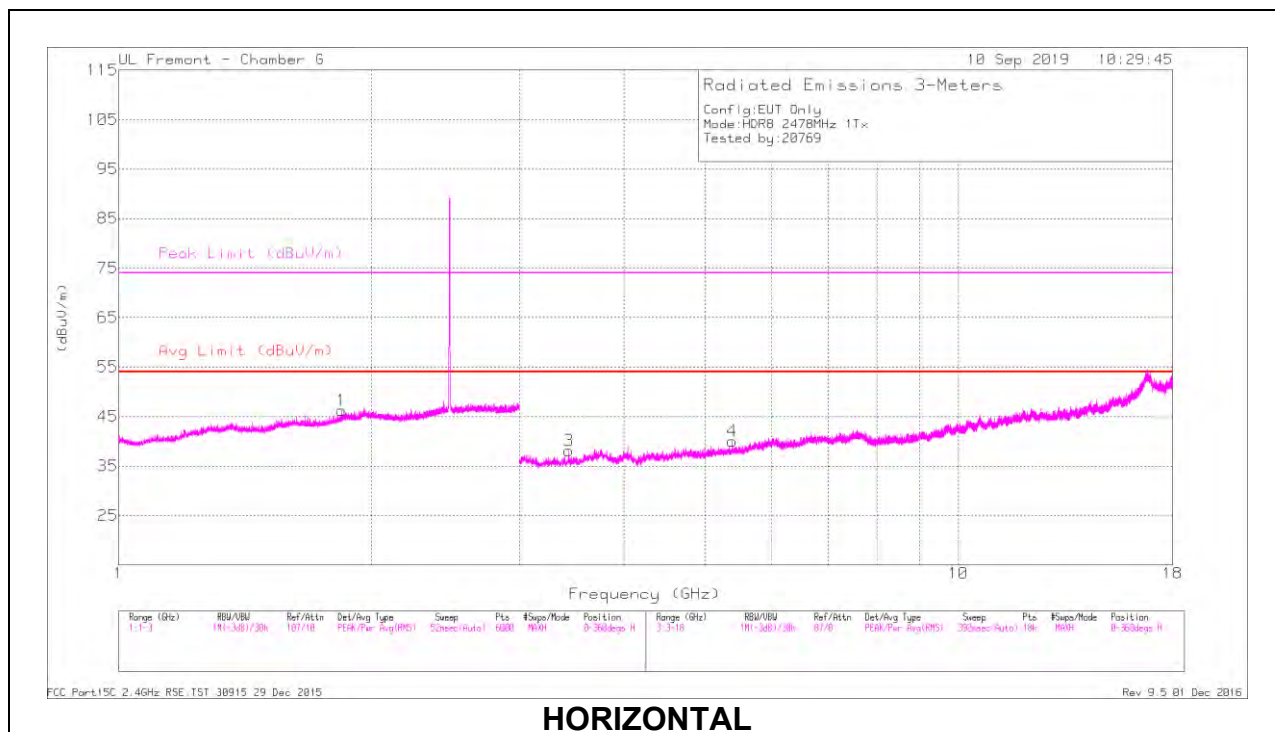


RADIATED EMISSIONS

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
5	* 4.077	41.61	PK2	33.1	-29.5	45.21	-	-	74	-28.79	191	349	V
	* 4.077	29.21	MAv1	33.1	-29.6	32.71	54	-21.29	-	-	191	349	V
6	* 3.794	42.03	PK2	33.4	-29.6	45.83	-	-	74	-28.17	292	156	V
	* 3.797	29.66	MAv1	33.5	-29.7	33.46	54	-20.54	-	-	292	156	V
2	2.139	44.26	PK2	31.1	-22.4	52.96	-	-	-	-	197	246	V
1	2.163	43.59	PK2	31	-22.4	52.19	-	-	-	-	283	274	H
3	13.79	37.47	PK2	38.8	-23	53.27	-	-	-	-	239	338	H
4	15.179	38.04	PK2	40.4	-23.6	54.84	-	-	-	-	218	236	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
4	* 5.379	40.42	PK2	34.6	-29	46.02	-	-	74	-27.98	26	318	H
	* 5.378	28.73	MAv1	34.6	-29	34.33	54	-19.67	-	-	26	318	H
5	* 7.609	39.19	PK2	37.2	-27.3	49.09	-	-	74	-24.91	241	237	V
	* 7.608	27.59	MAv1	37.2	-27.2	37.59	54	-16.41	-	-	241	237	V
6	* 5.087	40.43	PK2	34.3	-29.3	45.43	-	-	74	-28.57	239	367	V
	* 5.087	28.58	MAv1	34.3	-29.4	33.48	54	-20.52	-	-	239	367	V
2	1.817	43.97	PK2	30.7	-22.5	52.17	-	-	-	-	357	225	V
1	1.842	43.72	PK2	31.1	-22.5	52.32	-	-	-	-	197	158	H
3	3.437	41.46	PK2	32.8	-30	44.26	-	-	-	-	335	255	H

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

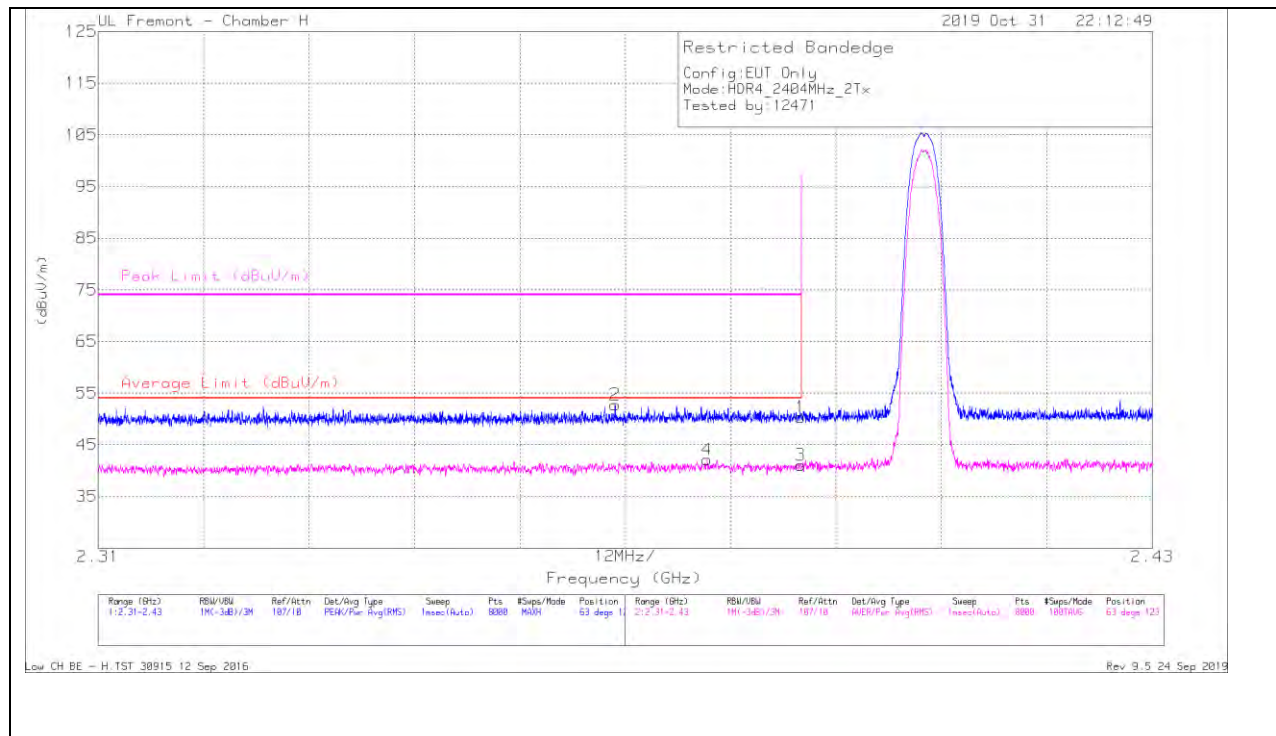
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

9.2.5. BEAMFORMING HIGH POWER HDR (HDR4)

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



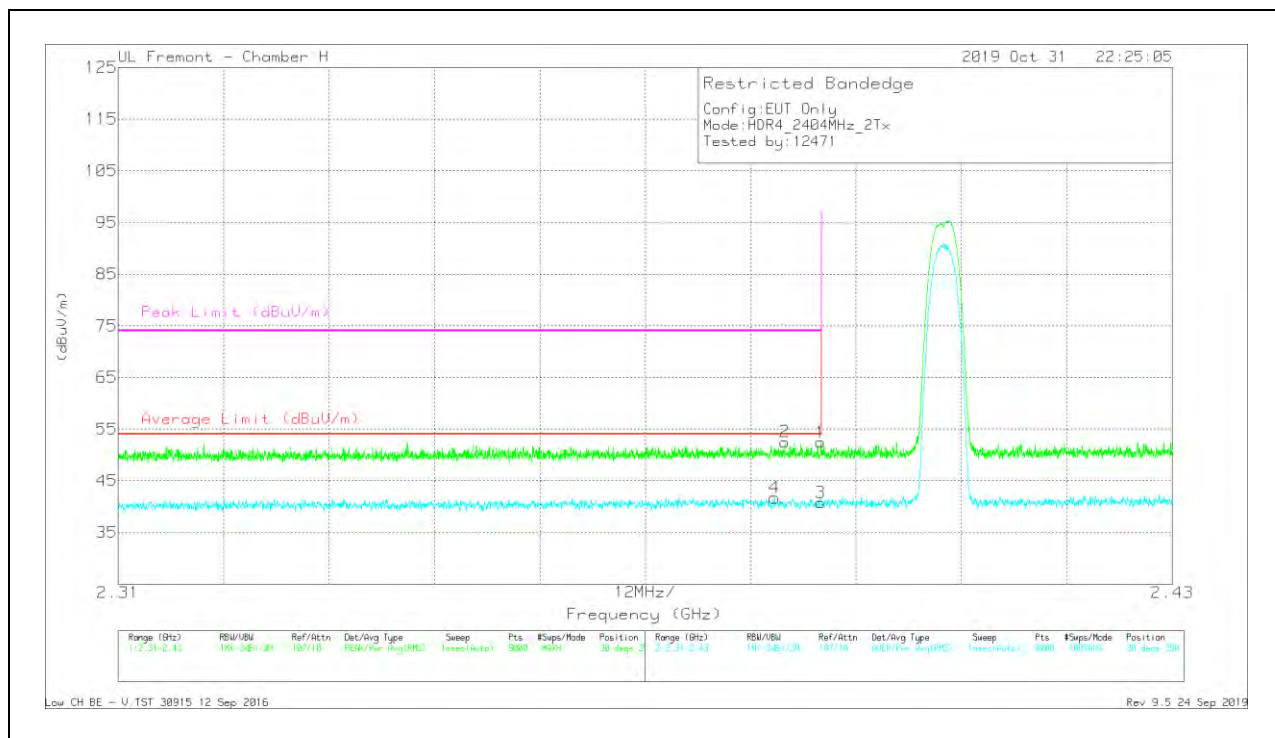
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	41.75	Pk	32.1	-23.5	50.35	-	-	74	-23.65	63	123	H
2	* 2.36884	44.24	Pk	32	-23.5	52.74	-	-	74	-21.26	63	123	H
3	* 2.38999	32.45	RMS	32.1	-23.5	41.05	54	-12.95	-	-	63	123	H
4	* 2.37932	33.41	RMS	32.2	-23.5	42.11	54	-11.89	-	-	63	123	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 T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 2.38471	33.12	RMS	32.1	-23.5	41.72	54	-12.28	-	-	30	350	V
2	* 2.3859	43.93	Pk	32.1	-23.5	52.53	-	-	74	-21.47	30	350	V
1	* 2.38999	43.85	Pk	32.1	-23.5	52.45	-	-	74	-21.55	30	350	V
3	* 2.38999	32.17	RMS	32.1	-23.5	40.77	54	-13.23	-	-	30	350	V

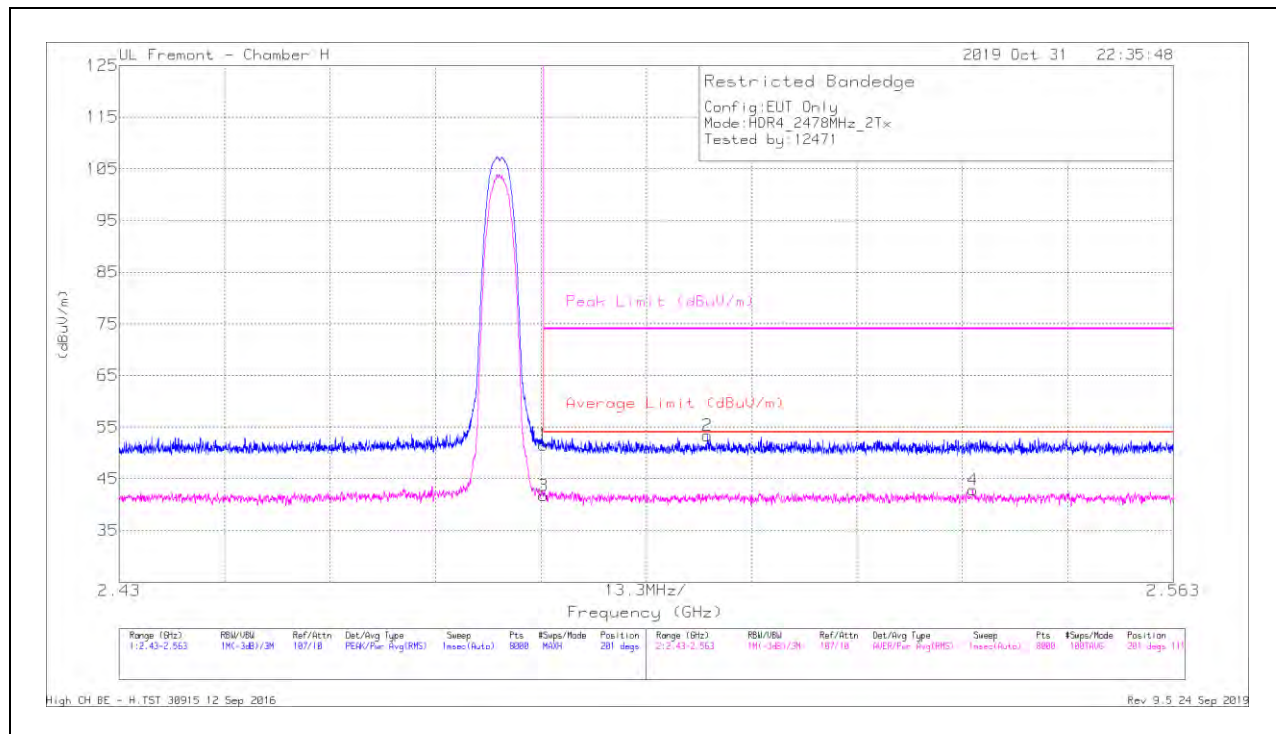
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



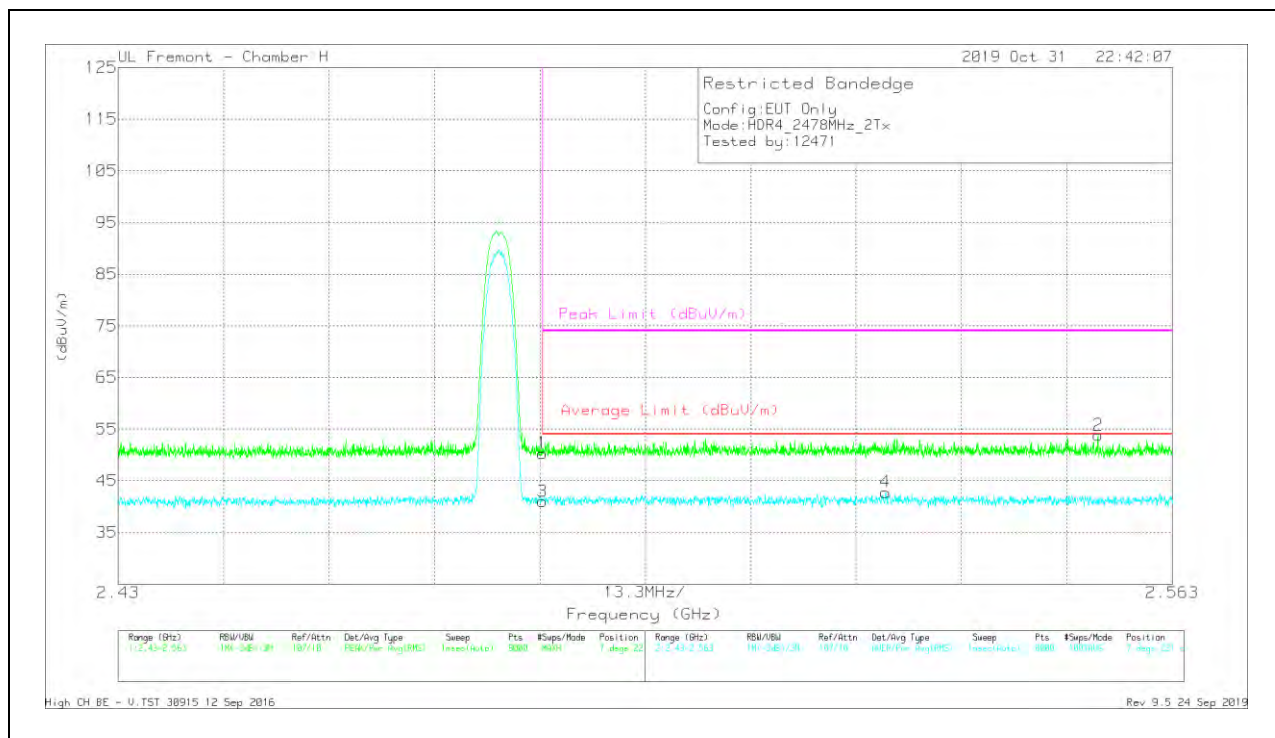
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	42.37	Pk	32.5	-23.3	51.57	-	-	74	-22.43	201	111	H
3	* 2.48351	32.53	RMS	32.5	-23.3	41.73	54	-12.27	-	-	201	111	H
2	2.50422	44	Pk	32.6	-23.2	53.4	-	-	74	-20.6	201	111	H
4	2.53769	33.45	RMS	32.5	-23.1	42.85	54	-11.15	-	-	201	111	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 T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	41.12	Pk	32.5	-23.3	50.32	-	-	74	-23.68	7	221	V
3	* 2.48351	31.81	RMS	32.5	-23.3	41.01	54	-12.99	-	-	7	221	V
4	2.52682	33.29	RMS	32.6	-23.1	42.79	54	-11.21	-	-	7	221	V
2	2.55362	44.51	Pk	32.5	-23.2	53.81	-	-	74	-20.19	7	221	V

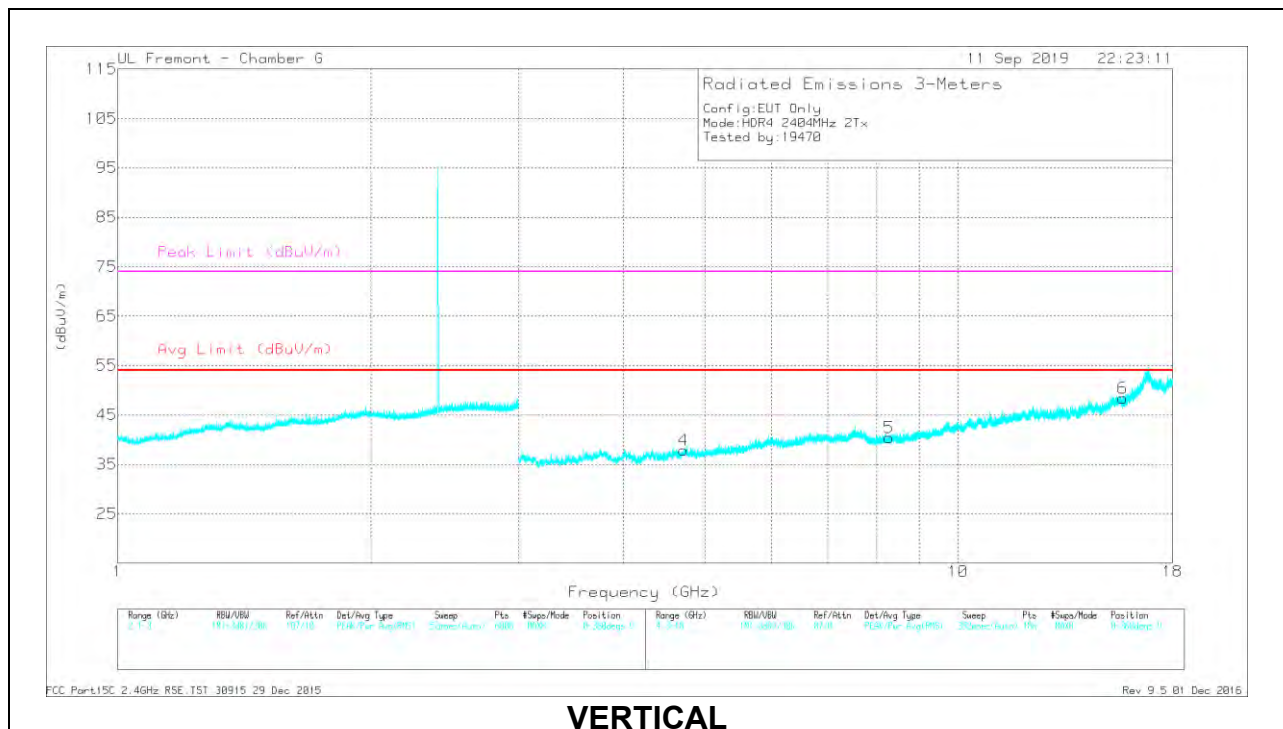
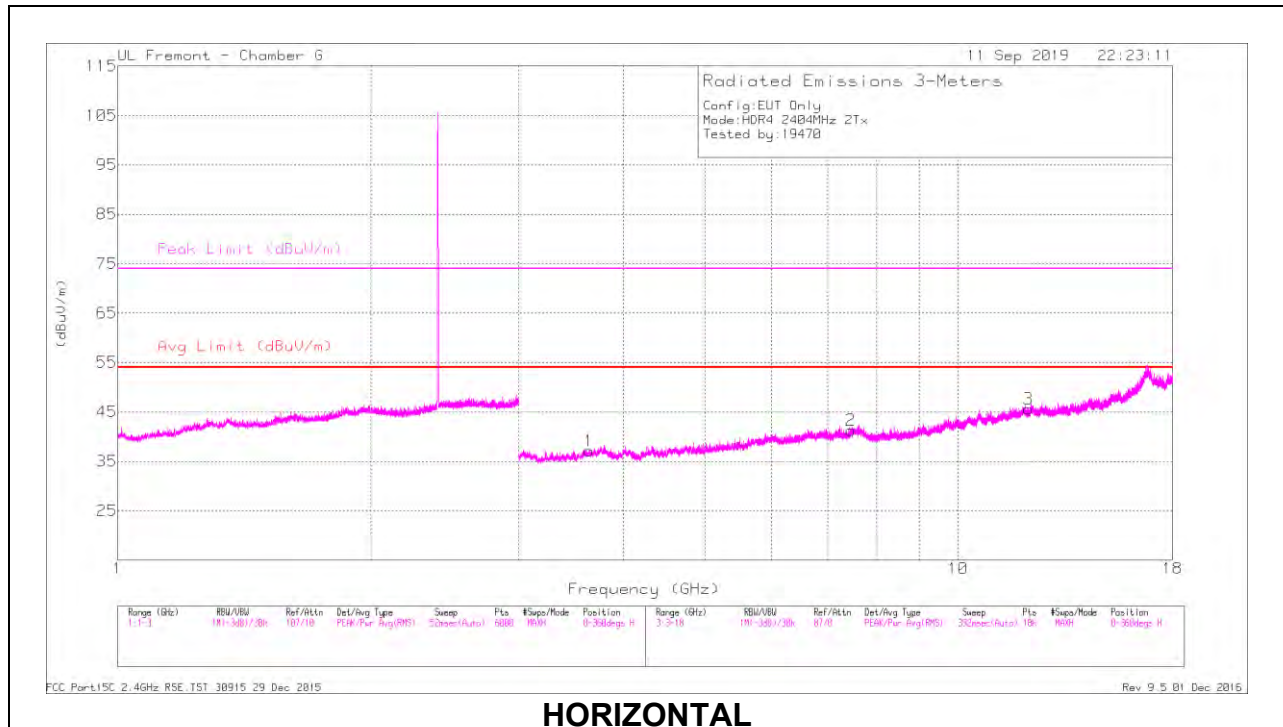
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

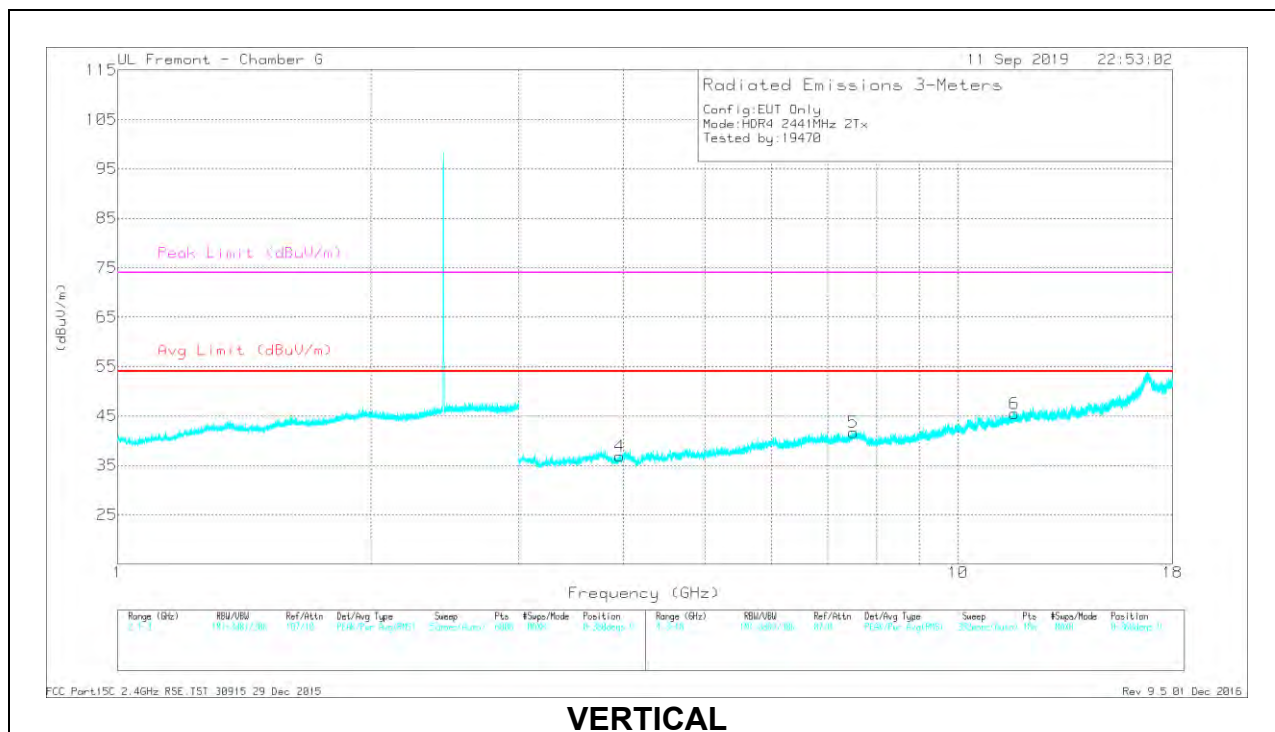
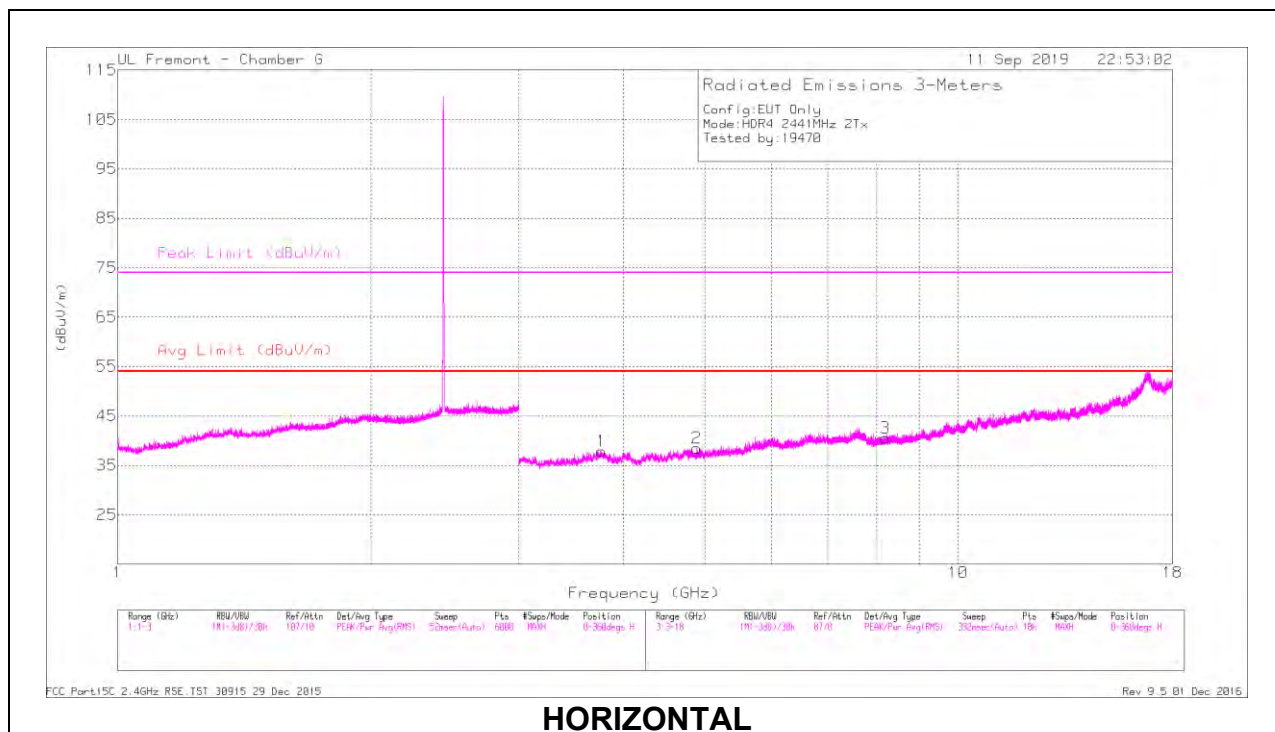
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.634	40.49	PK2	33.1	-29.6	43.99	-	-	74	-30.01	360	101	H
	* 3.637	29.52	MAv1	33.1	-29.5	33.12	54	-20.88	-	-	360	101	H
2	* 7.454	39.06	PK2	36.5	-27.6	47.96	-	-	74	-26.04	360	101	H
	* 7.456	28.22	MAv1	36.5	-27.6	37.12	54	-16.88	-	-	360	101	H
3	* 12.129	37.1	PK2	38.9	-23.3	52.7	-	-	74	-21.3	360	101	H
	* 12.131	25.79	MAv1	38.9	-23.3	41.39	54	-12.61	-	-	360	101	H
4	* 4.719	39.82	PK2	34	-29.5	44.32	-	-	74	-29.68	360	101	V
	* 4.719	29.37	MAv1	34	-29.5	33.87	54	-20.13	-	-	360	101	V
5	* 8.28	39.4	PK2	35.7	-27.2	47.9	-	-	74	-26.1	360	101	V
	* 8.28	28.08	MAv1	35.7	-27.2	36.58	54	-17.42	-	-	360	101	V
6	* 15.715	37.77	PK2	40.7	-22.6	55.87	-	-	74	-18.13	360	101	V
	* 15.715	26.51	MAv1	40.7	-22.6	44.61	54	-9.39	-	-	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

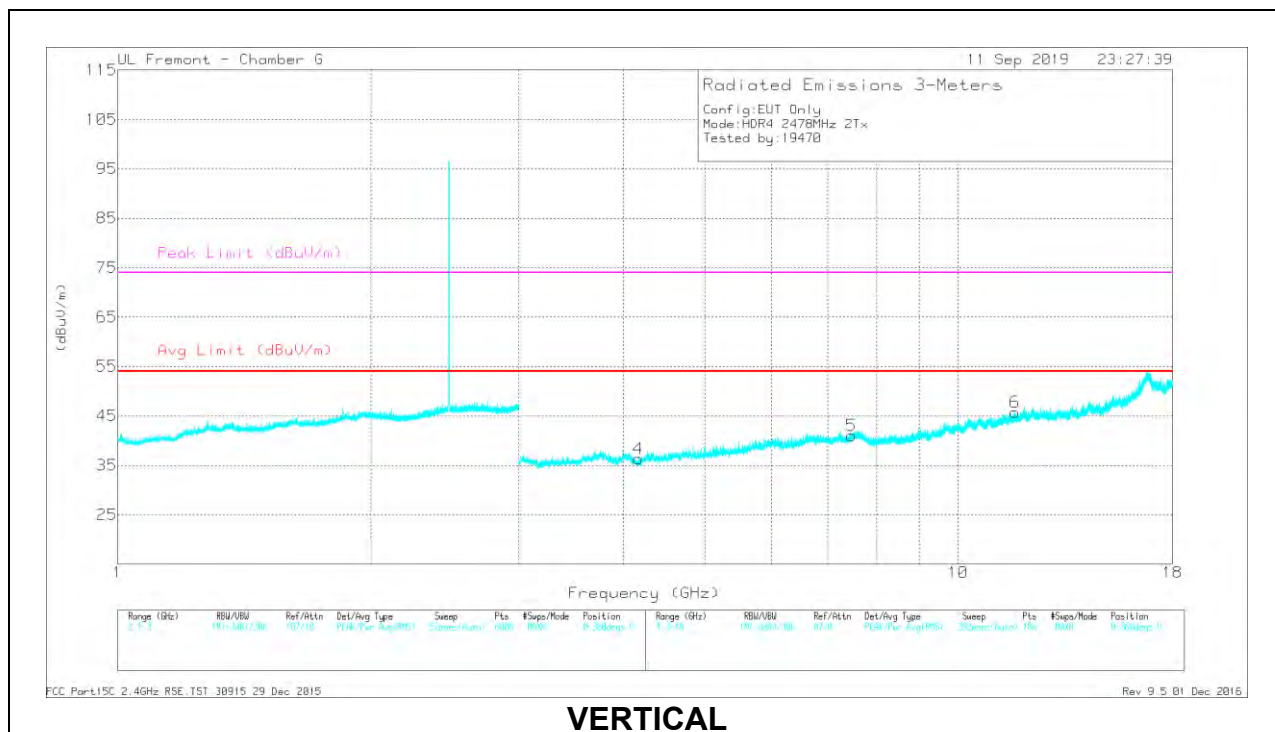
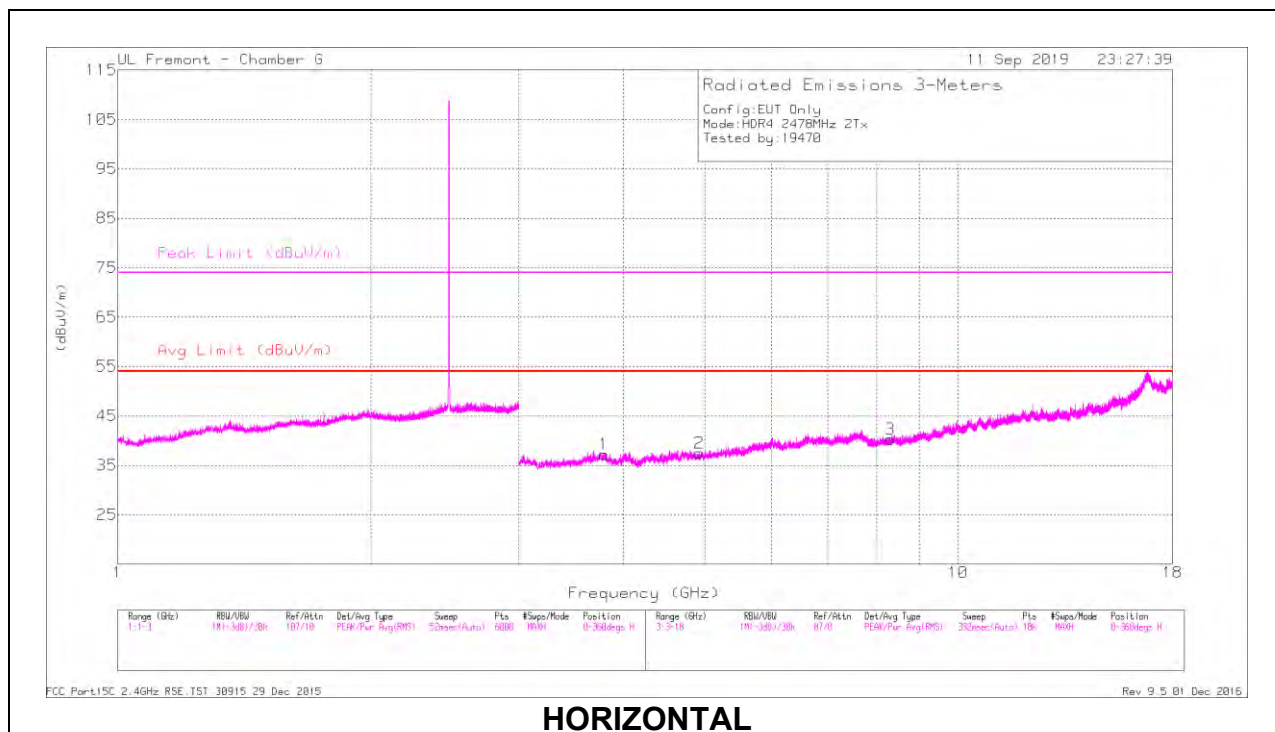
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.764	40.34	PK2	33.3	-29.2	44.44	-	-	74	-29.56	360	101	H
	* 3.763	29.39	MAv1	33.3	-29.2	33.49	54	-20.51	-	-	360	101	H
2	* 4.89	40.65	PK2	34	-29.6	45.05	-	-	74	-28.95	360	101	H
	* 4.892	28.72	MAv1	34	-29.6	33.12	54	-20.88	-	-	360	101	H
3	* 8.201	38.97	PK2	35.7	-26.5	48.17	-	-	74	-25.83	360	101	H
	* 8.202	27.45	MAv1	35.7	-26.5	36.65	54	-17.35	-	-	360	101	H
4	* 3.955	41.54	PK2	33.2	-29.9	44.84	-	-	74	-29.16	360	101	V
	* 3.957	29.42	MAv1	33.2	-29.9	32.72	54	-21.28	-	-	360	101	V
5	* 7.509	38.97	PK2	36.7	-27	48.67	-	-	74	-25.33	360	101	V
	* 7.51	27.85	MAv1	36.7	-27	37.55	54	-16.45	-	-	360	101	V
6	* 11.68	36.49	PK2	38.5	-22.8	52.19	-	-	74	-21.81	360	101	V
	* 11.678	25.36	MAv1	38.5	-22.8	41.06	54	-12.94	-	-	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	* 3.794	40.82	PK2	33.4	-29.6	44.62	-	-	74	-29.38	360	101	H
	* 3.794	29.64	MAv1	33.4	-29.6	33.44	54	-20.56	-	-	360	101	H
2	* 4.918	40.54	PK2	34	-29.6	44.94	-	-	74	-29.06	360	101	H
	* 4.916	28.9	MAv1	34	-29.5	33.4	54	-20.6	-	-	360	101	H
3	* 8.307	38.74	PK2	35.7	-26.9	47.54	-	-	74	-26.46	360	101	H
	* 8.309	28.2	MAv1	35.7	-26.9	37	54	-17	-	-	360	101	H
4	* 4.164	40.91	PK2	33.1	-30.4	43.61	-	-	74	-30.39	360	101	V
	* 4.166	29.72	MAv1	33.1	-30.4	32.42	54	-21.58	-	-	360	101	V
5	* 7.475	38.74	PK2	36.6	-27.3	48.04	-	-	74	-25.96	360	101	V
	* 7.473	27.95	MAv1	36.6	-27.4	37.15	54	-16.85	-	-	360	101	V
6	* 11.696	36.42	PK2	38.5	-23	51.92	-	-	74	-22.08	360	101	V
	* 11.697	25.97	MAv1	38.5	-23	41.47	54	-12.53	-	-	360	101	V

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

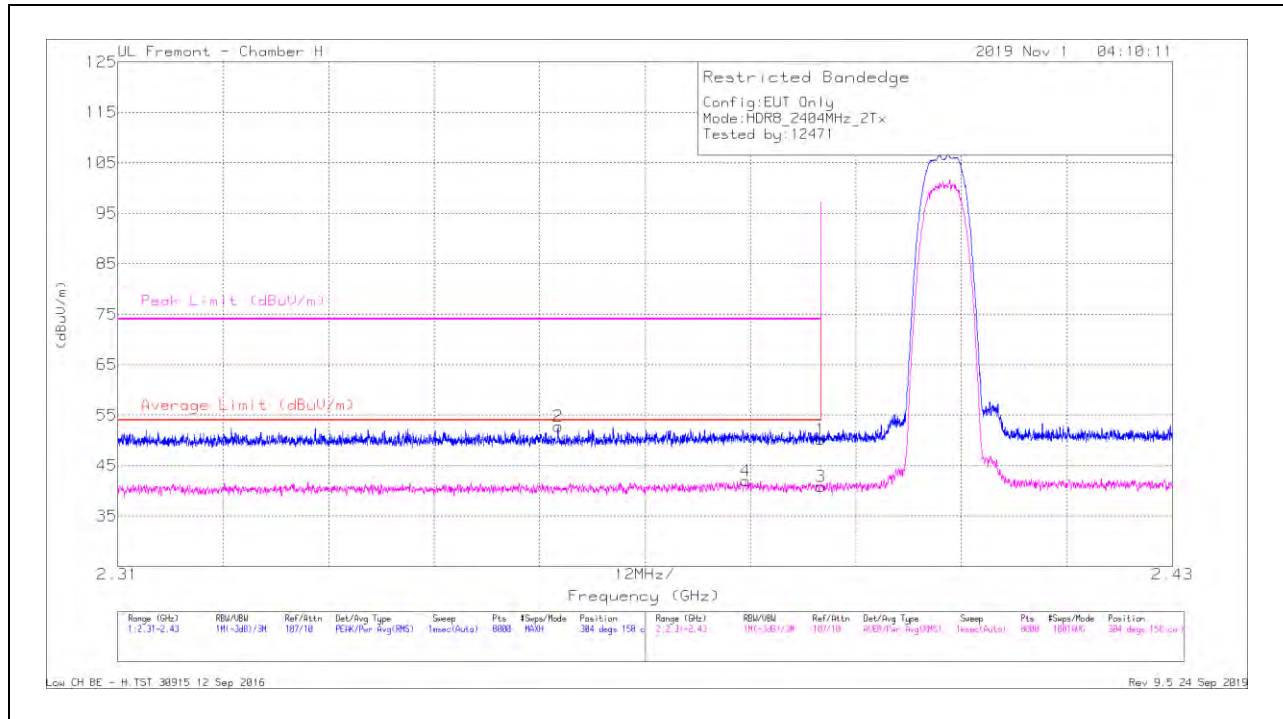
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

9.2.6. BEAMFORMING HIGH POWER HDR (HDR8)

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



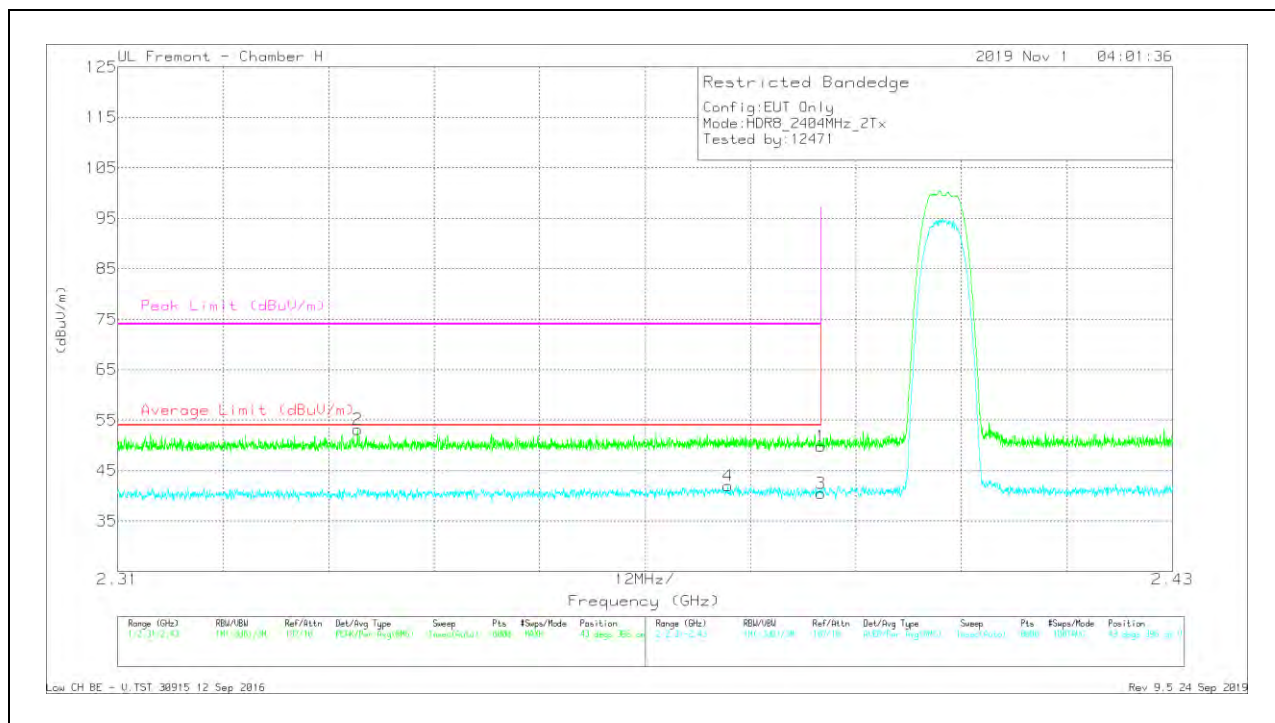
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.36011	44.51	Pk	31.9	-23.6	52.81	-	-	74	-21.19	304	158	H
4	* 2.38144	33.27	RMS	32.2	-23.5	41.97	54	-12.03	-	-	304	158	H
1	* 2.38999	41.57	Pk	32.1	-23.5	50.17	-	-	74	-23.83	304	158	H
3	* 2.38999	32.31	RMS	32.1	-23.5	40.91	54	-13.09	-	-	304	158	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 T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.33729	44.88	Pk	31.9	-23.6	53.18	-	-	74	-20.82	43	396	V
4	* 2.37943	33.29	RMS	32.2	-23.5	41.99	54	-12.01	-	-	43	396	V
1	* 2.38999	41.18	Pk	32.1	-23.5	49.78	-	-	74	-24.22	43	396	V
3	* 2.38999	31.9	RMS	32.1	-23.5	40.5	54	-13.5	-	-	43	396	V

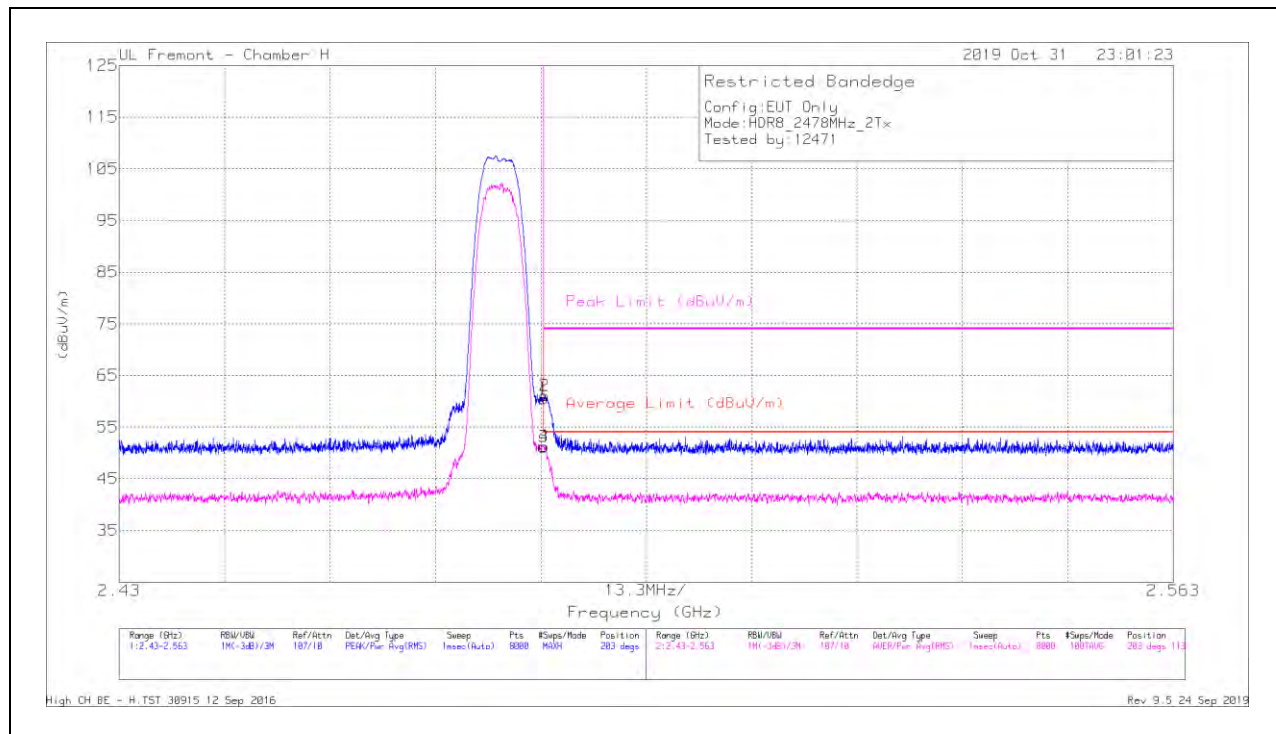
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



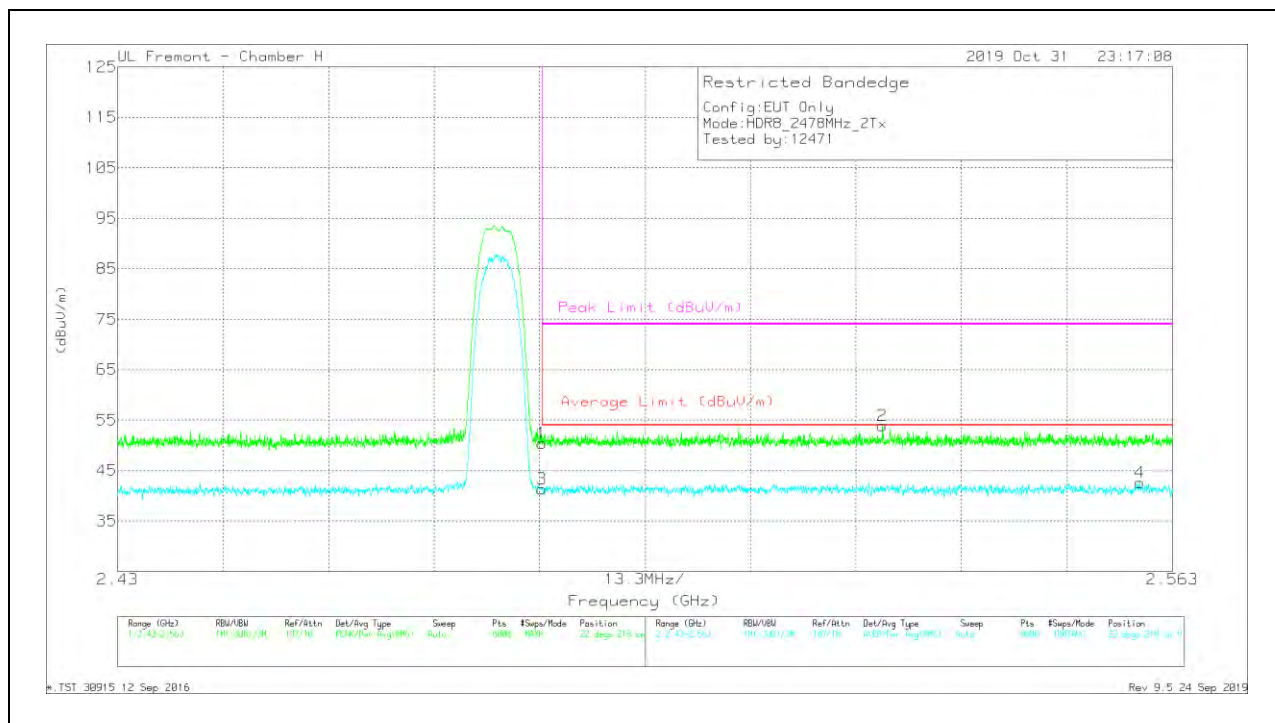
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	51.32	Pk	32.5	-23.3	60.52	-	-	74	-13.48	203	113	H
3	* 2.48351	42	RMS	32.5	-23.3	51.2	54	-2.8	-	-	203	113	H
4	* 2.48359	42.08	RMS	32.5	-23.3	51.28	54	-2.72	-	-	203	113	H
2	* 2.48369	51.88	Pk	32.5	-23.3	61.08	-	-	74	-12.92	203	113	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 T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	41.23	Pk	32.5	-23.3	50.43	-	-	74	-23.57	22	218	V
3	* 2.48351	32.14	RMS	32.5	-23.3	41.34	54	-12.66	-	-	22	218	V
2	2.52644	44.37	Pk	32.6	-23.1	53.87	-	-	74	-20.13	22	218	V
4	2.55888	33.17	RMS	32.5	-23.1	42.57	54	-11.43	-	-	22	218	V

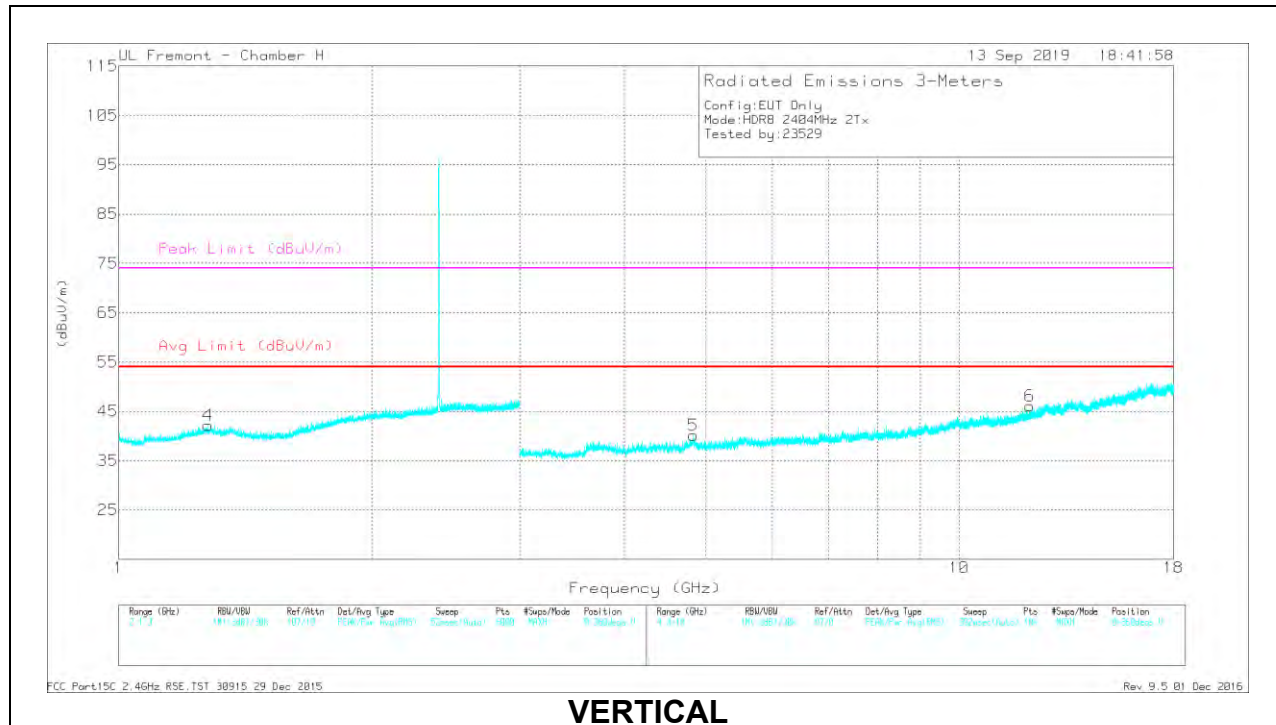
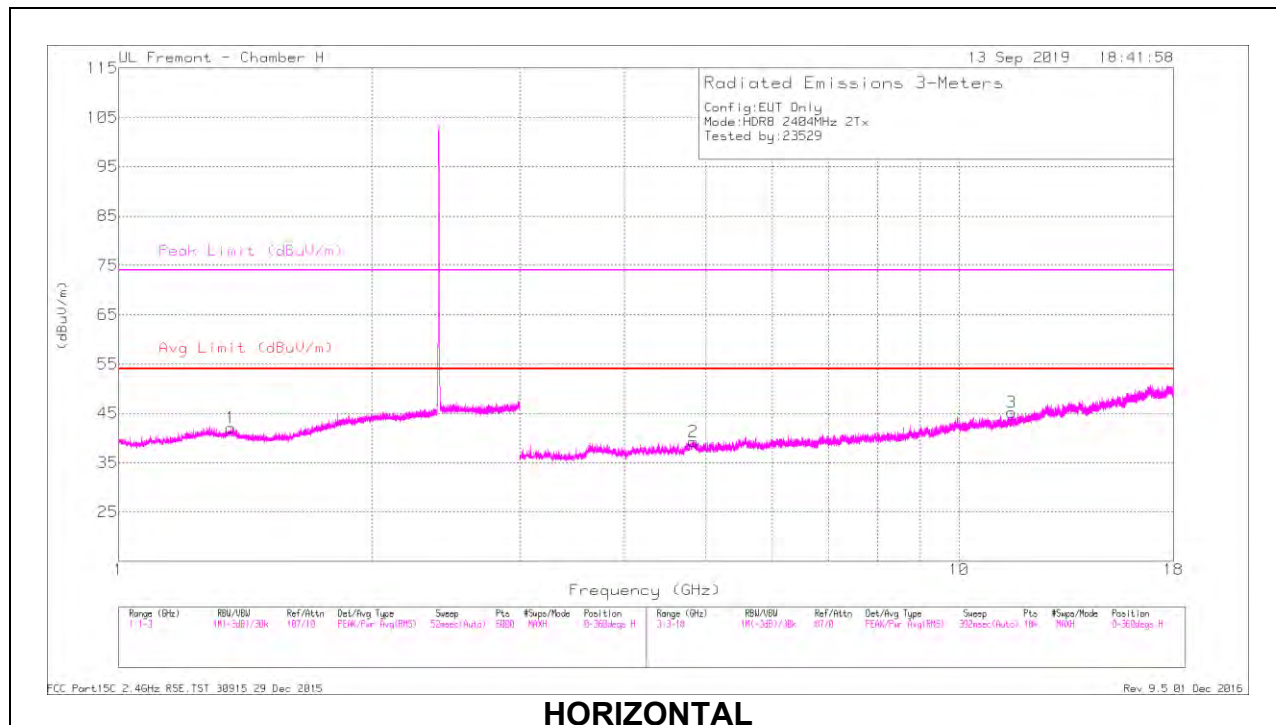
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

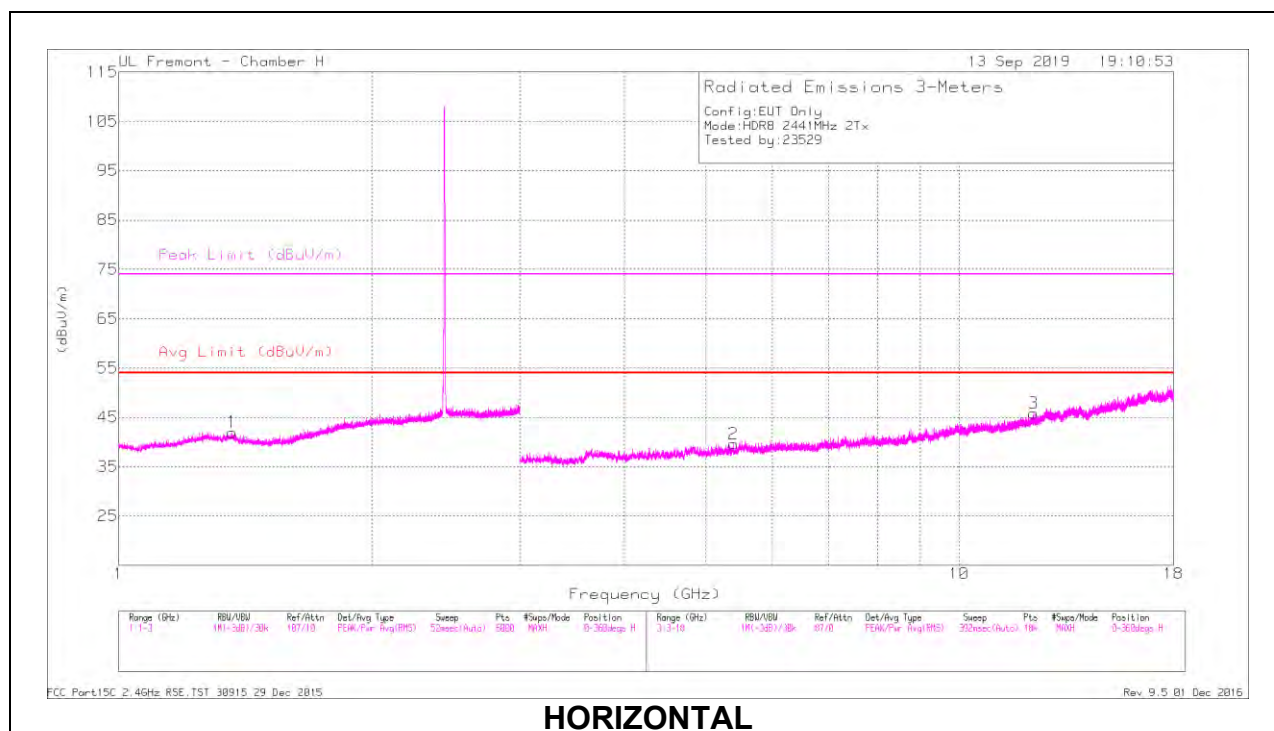
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.359	45.18	PK2	29.1	-25.2	49.08	-	-	74	-24.92	273	211	H
	* 1.36	33.6	MAv1	29.1	-25.2	37.5	54	-16.5	-	-	273	211	H
4	* 1.277	45.15	PK2	29.3	-25.4	49.05	-	-	74	-24.95	215	172	V
	* 1.276	33.54	MAv1	29.3	-25.4	37.44	54	-16.56	-	-	215	172	V
2	* 4.831	42.33	PK2	34.4	-30.4	46.33	-	-	74	-27.67	165	242	H
	* 4.83	30.84	MAv1	34.4	-30.4	34.84	54	-19.16	-	-	165	242	H
3	* 11.56	35.9	PK2	38.3	-23.2	51	-	-	74	-23	40	279	H
	* 11.56	24.92	MAv1	38.3	-23.2	40.02	54	-13.98	-	-	40	279	H
5	* 4.83	41.69	PK2	34.4	-30.4	45.69	-	-	74	-28.31	338	142	V
	* 4.831	30.78	MAv1	34.3	-30.4	34.68	54	-19.32	-	-	338	142	V
6	* 12.152	35.9	PK2	38.9	-23.1	51.7	-	-	74	-22.3	176	202	V
	* 12.151	24.86	MAv1	38.9	-23.1	40.66	54	-13.34	-	-	176	202	V

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

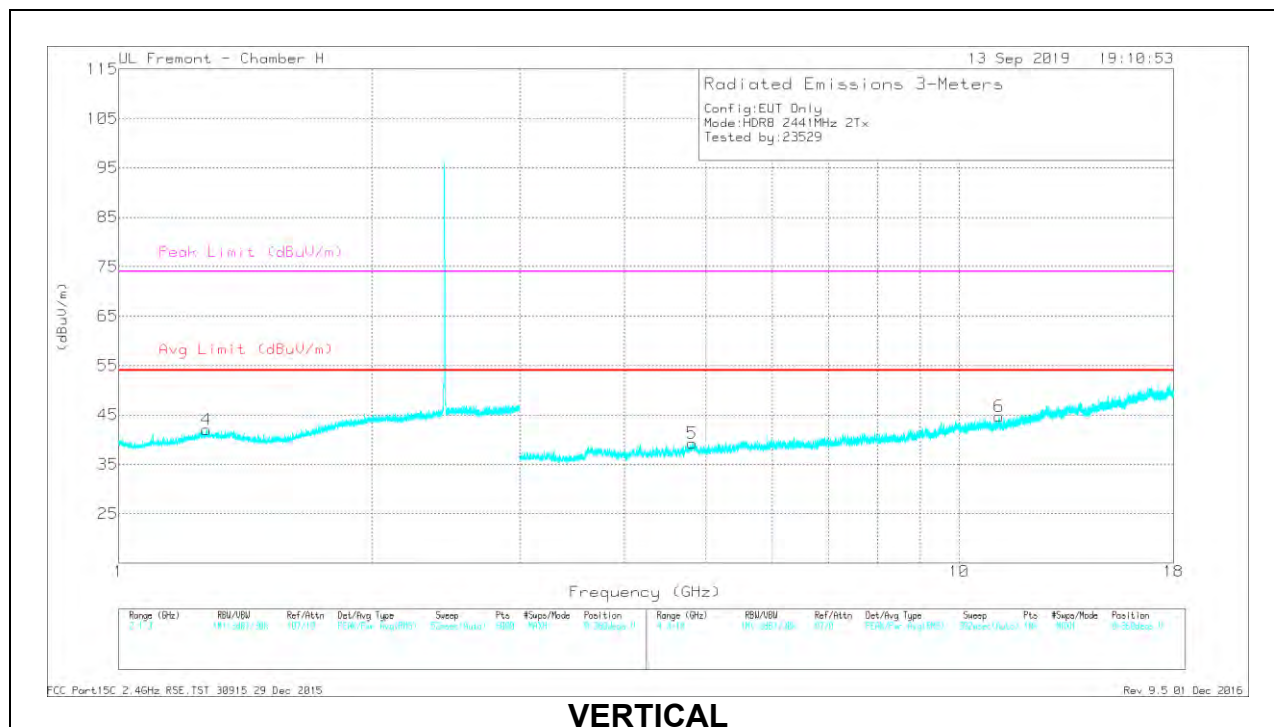
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

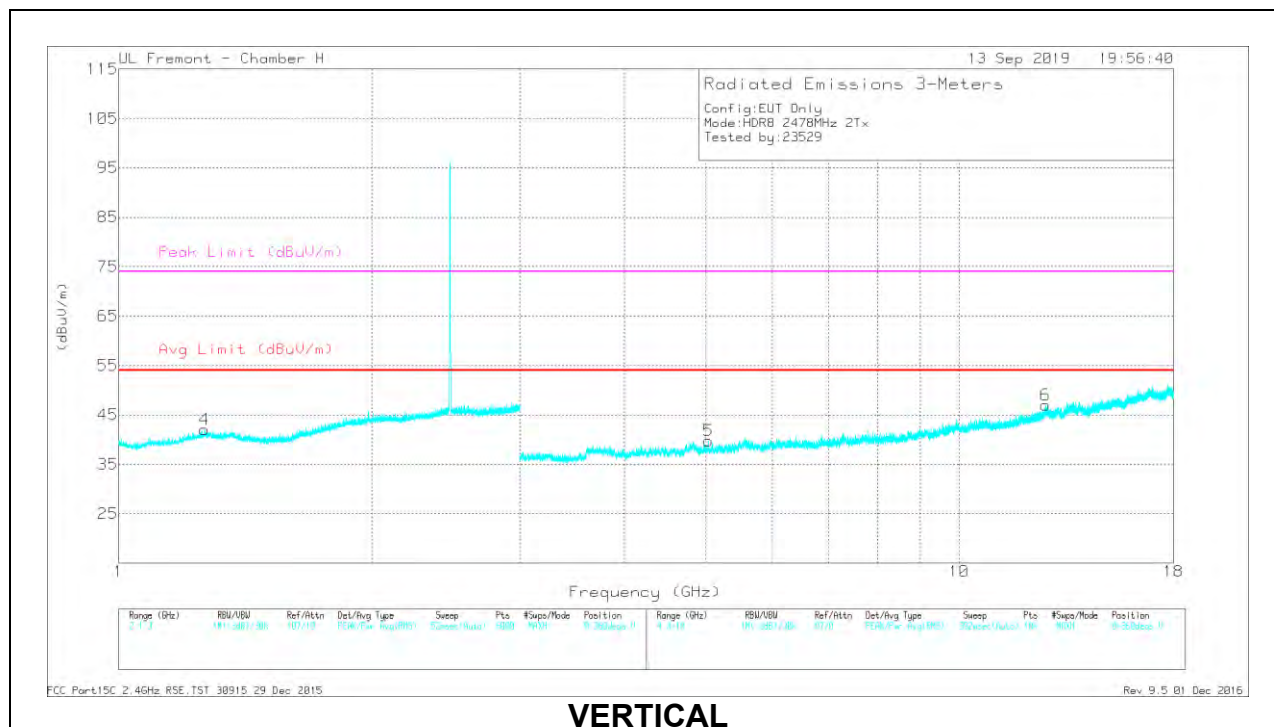
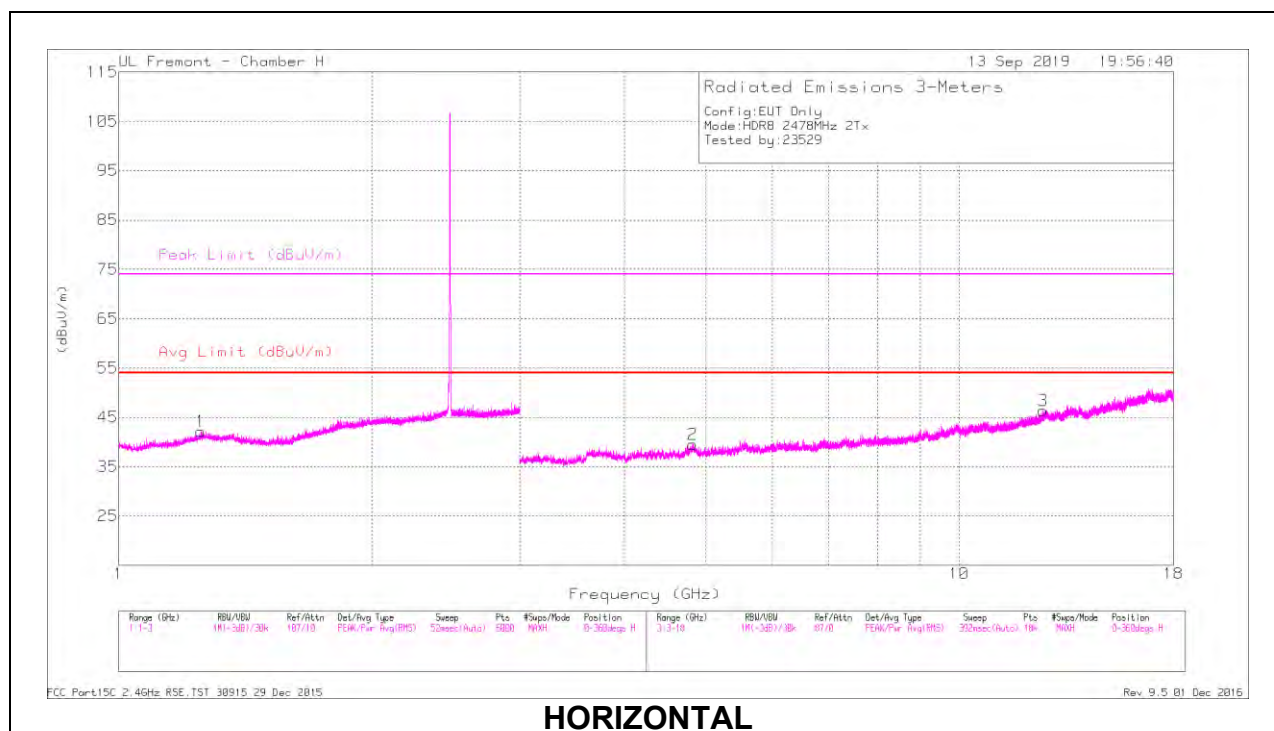
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.366	44.85	PK2	29.1	-25.2	48.75	-	-	74	-25.25	292	186	H
	* 1.363	33.58	MAv1	29.1	-25.2	37.48	54	-16.52	-	-	292	186	H
4	* 1.273	45.48	PK2	29.3	-25.5	49.28	-	-	74	-24.72	213	222	V
	* 1.27	33.65	MAv1	29.2	-25.4	37.45	54	-16.55	-	-	213	222	V
2	* 5.389	40.52	PK2	34.9	-29.1	46.32	-	-	74	-27.68	121	214	H
	* 5.39	28.89	MAv1	34.9	-29.1	34.69	54	-19.31	-	-	121	214	H
3	* 12.27	35.82	PK2	38.9	-23.1	51.62	-	-	74	-22.38	172	303	H
	* 12.269	24.93	MAv1	38.9	-23.1	40.73	54	-13.27	-	-	172	303	H
5	* 4.816	41.54	PK2	34.4	-30.3	45.64	-	-	74	-28.36	62	100	V
	* 4.816	30.6	MAv1	34.4	-30.3	34.7	54	-19.3	-	-	62	100	V
6	* 11.164	35.99	PK2	37.8	-22.8	50.99	-	-	74	-23.01	264	182	V
	* 11.165	24.51	MAv1	37.8	-22.8	39.51	54	-14.49	-	-	264	182	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.251	45.95	PK2	28.9	-25.5	49.35	-	-	74	-24.65	266	178	H
	* 1.25	33.69	MAv1	28.9	-25.5	37.09	54	-16.91	-	-	266	178	H
4	* 1.267	45.28	PK2	29.1	-25.5	48.88	-	-	74	-25.12	141	242	V
	* 1.267	33.59	MAv1	29.1	-25.5	37.19	54	-16.81	-	-	141	242	V
2	* 4.824	42.11	PK2	34.4	-30.3	46.21	-	-	74	-27.79	194	218	H
	* 4.825	30.61	MAv1	34.4	-30.3	34.71	54	-19.29	-	-	194	218	H
3	* 12.602	35.92	PK2	39.7	-22.8	52.82	-	-	74	-21.18	248	286	H
	* 12.603	24.9	MAv1	39.7	-22.9	41.7	54	-12.3	-	-	248	286	H
5	* 5.033	40.94	PK2	34.2	-29.5	45.64	-	-	74	-28.36	185	225	V
	* 5.032	29.84	MAv1	34.2	-29.6	34.44	54	-19.56	-	-	185	225	V
6	* 12.687	35.58	PK2	39.7	-22.3	52.98	-	-	74	-21.02	321	151	V
	* 12.686	24.48	MAv1	39.8	-22.3	41.98	54	-12.02	-	-	321	151	V

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

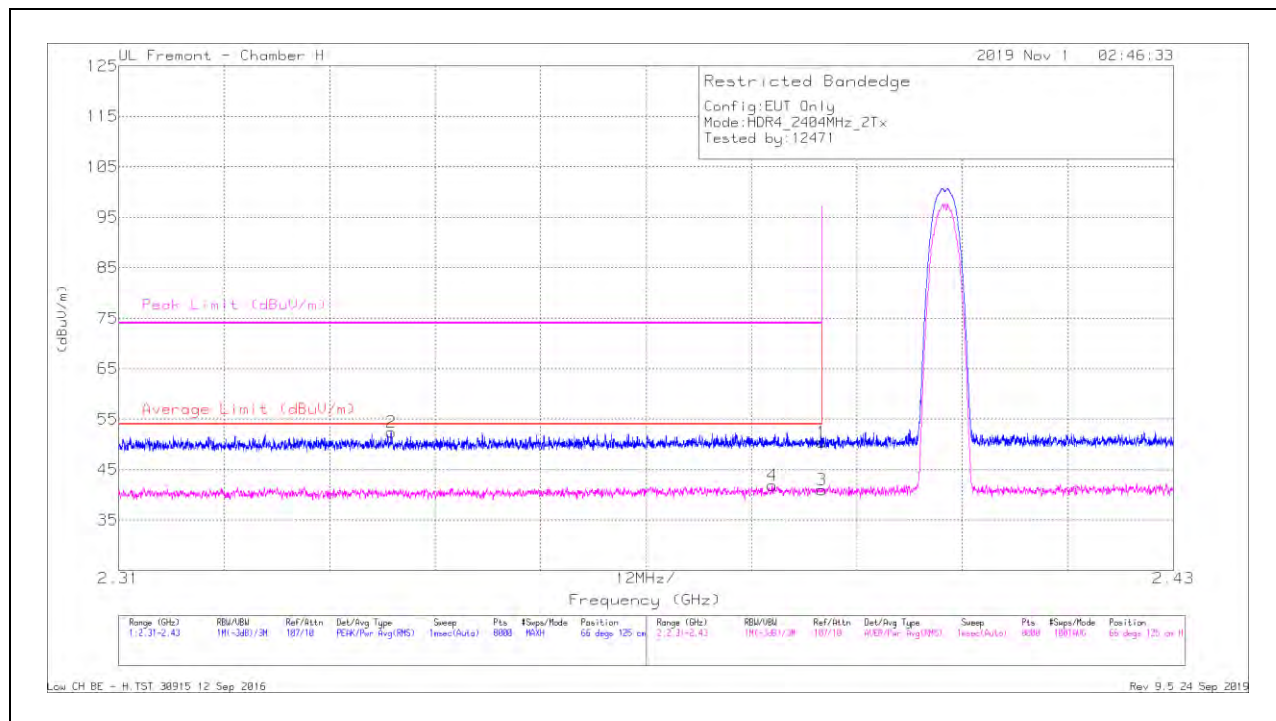
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

9.2.7. BEAMFORMING LOW POWER HDR (HDR4)

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



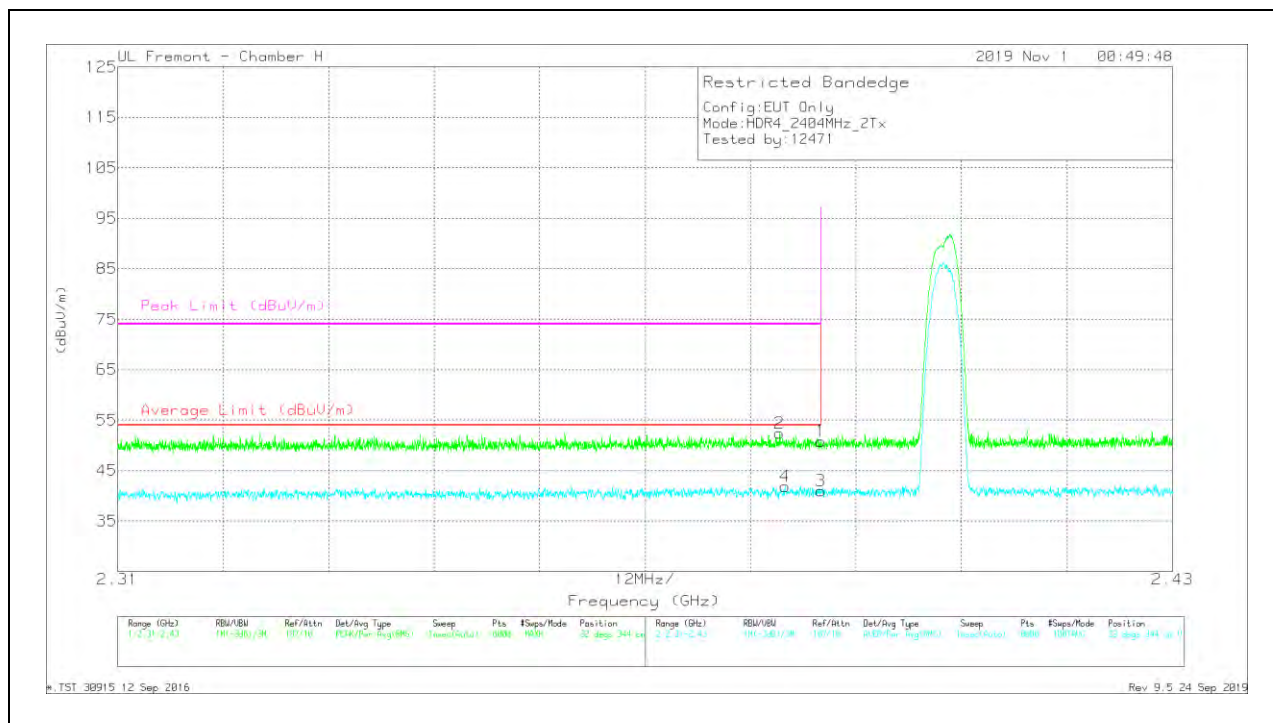
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.34098	44.15	Pk	31.9	-23.6	52.45	-	-	74	-21.55	66	125	H
4	* 2.38433	33.28	RMS	32.1	-23.5	41.88	54	-12.12	-	-	66	125	H
1	* 2.38999	41.84	Pk	32.1	-23.5	50.44	-	-	74	-23.56	66	125	H
3	* 2.38999	32.36	RMS	32.1	-23.5	40.96	54	-13.04	-	-	66	125	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 T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.38531	43.76	Pk	32.1	-23.5	52.36	-	-	74	-21.64	32	344	V
4	* 2.38591	33.28	RMS	32.1	-23.5	41.88	54	-12.12	-	-	32	344	V
1	* 2.38999	42.25	Pk	32.1	-23.5	50.85	-	-	74	-23.15	32	344	V
3	* 2.38999	32.36	RMS	32.1	-23.5	40.96	54	-13.04	-	-	32	344	V

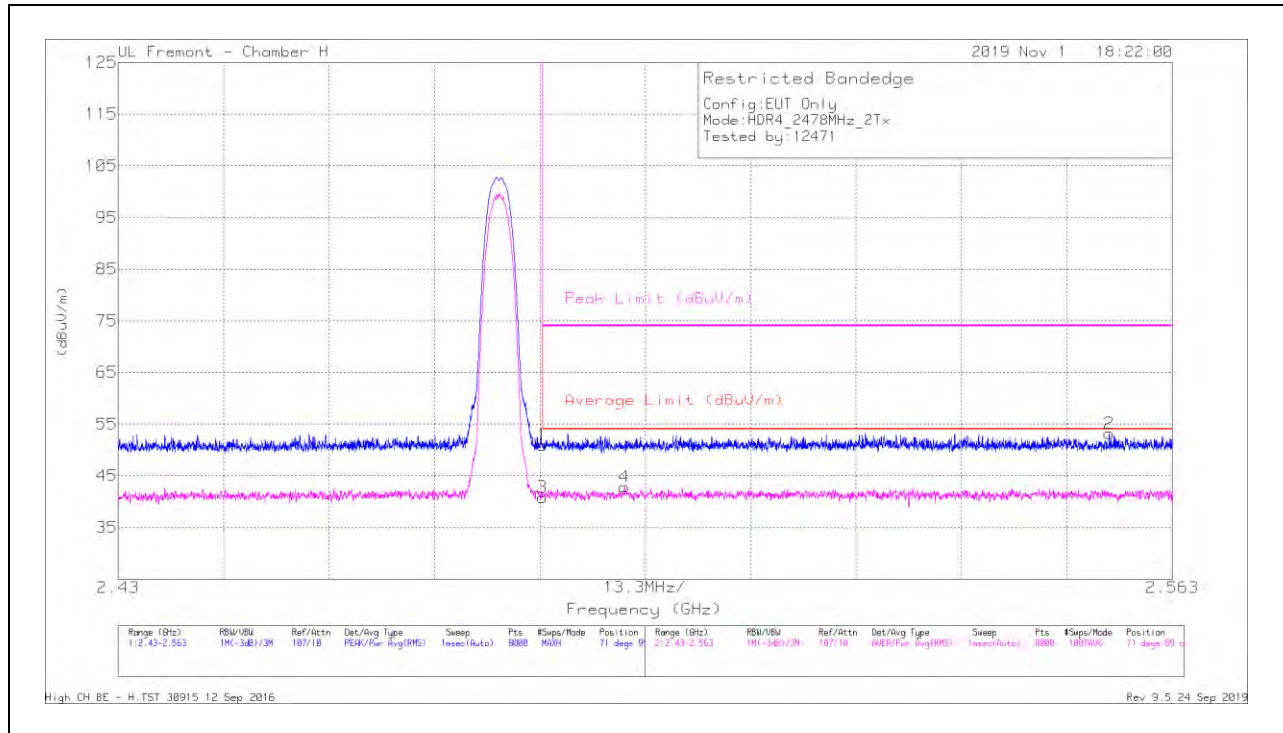
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



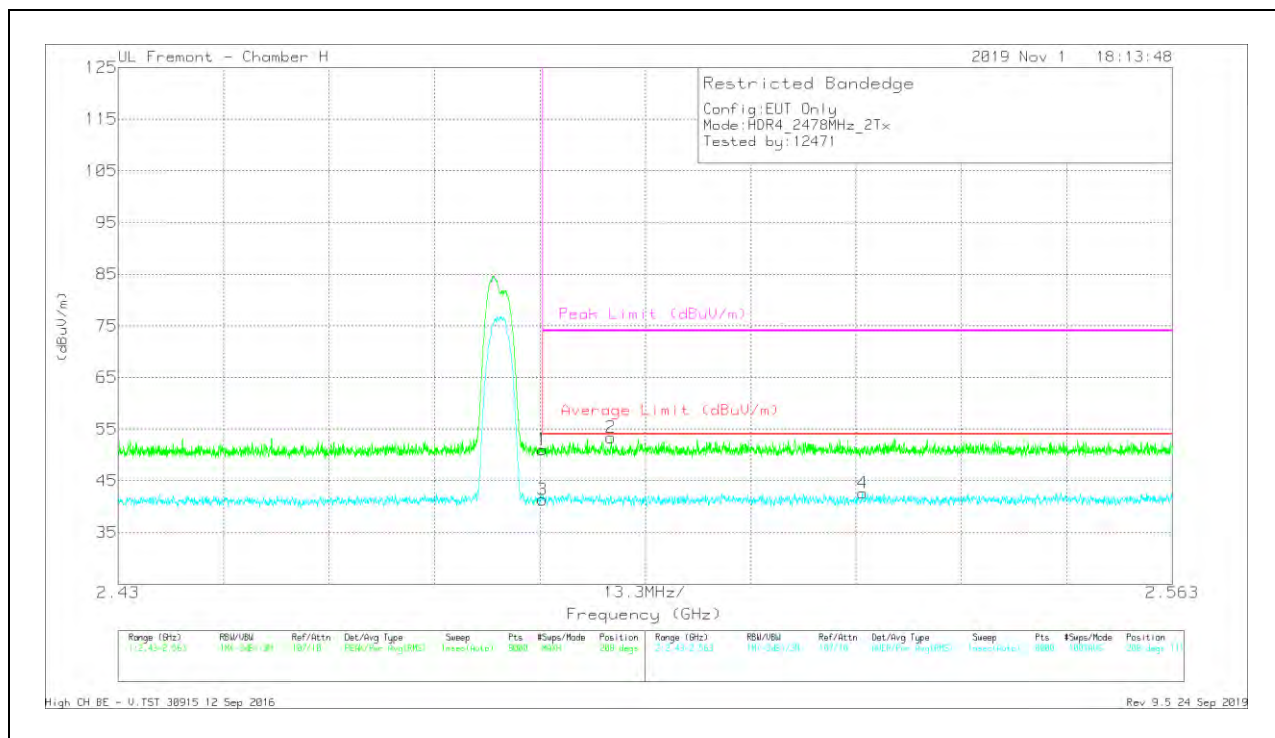
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	41.73	Pk	32.5	-23.3	50.93	-	-	74	-23.07	71	99	H
3	* 2.48351	31.59	RMS	32.5	-23.3	40.79	54	-13.21	-	-	71	99	H
4	* 2.49388	33.64	RMS	32.5	-23.3	42.84	54	-11.16	-	-	71	99	H
2	2.5504	43.99	Pk	32.4	-23.2	53.19	-	-	74	-20.81	71	99	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 T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	41.84	Pk	32.5	-23.3	51.04	-	-	74	-22.96	208	111	V
2	* 2.49215	44.2	Pk	32.5	-23.3	53.4	-	-	74	-20.6	208	111	V
3	* 2.48351	32.16	RMS	32.5	-23.3	41.36	54	-12.64	-	-	208	111	V
4	2.52391	33.22	RMS	32.6	-23.2	42.62	54	-11.38	-	-	208	111	V

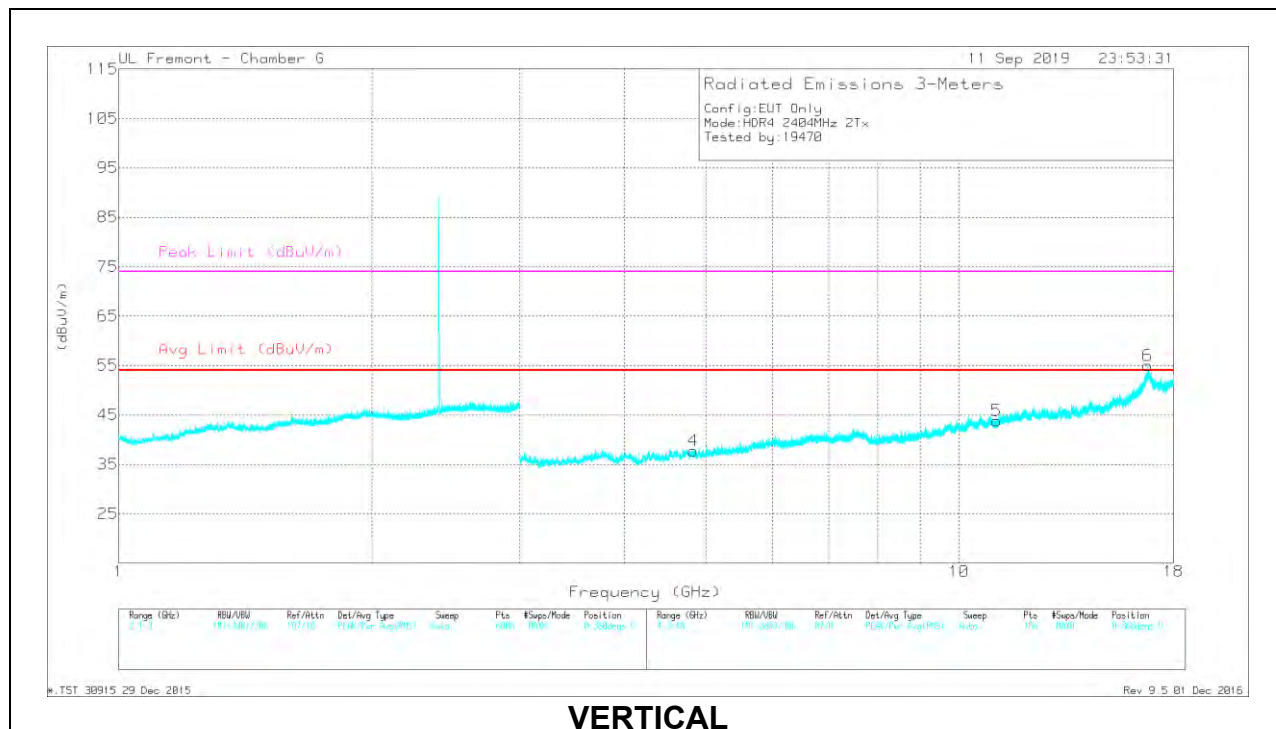
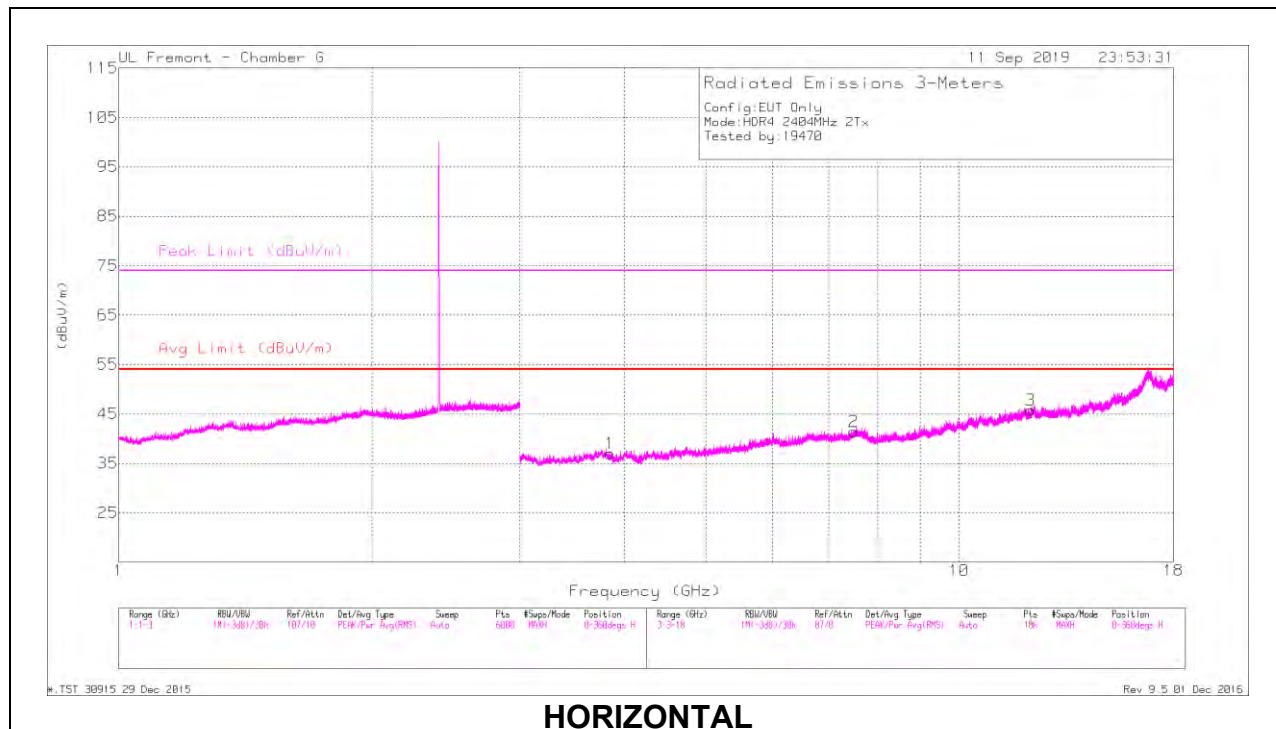
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

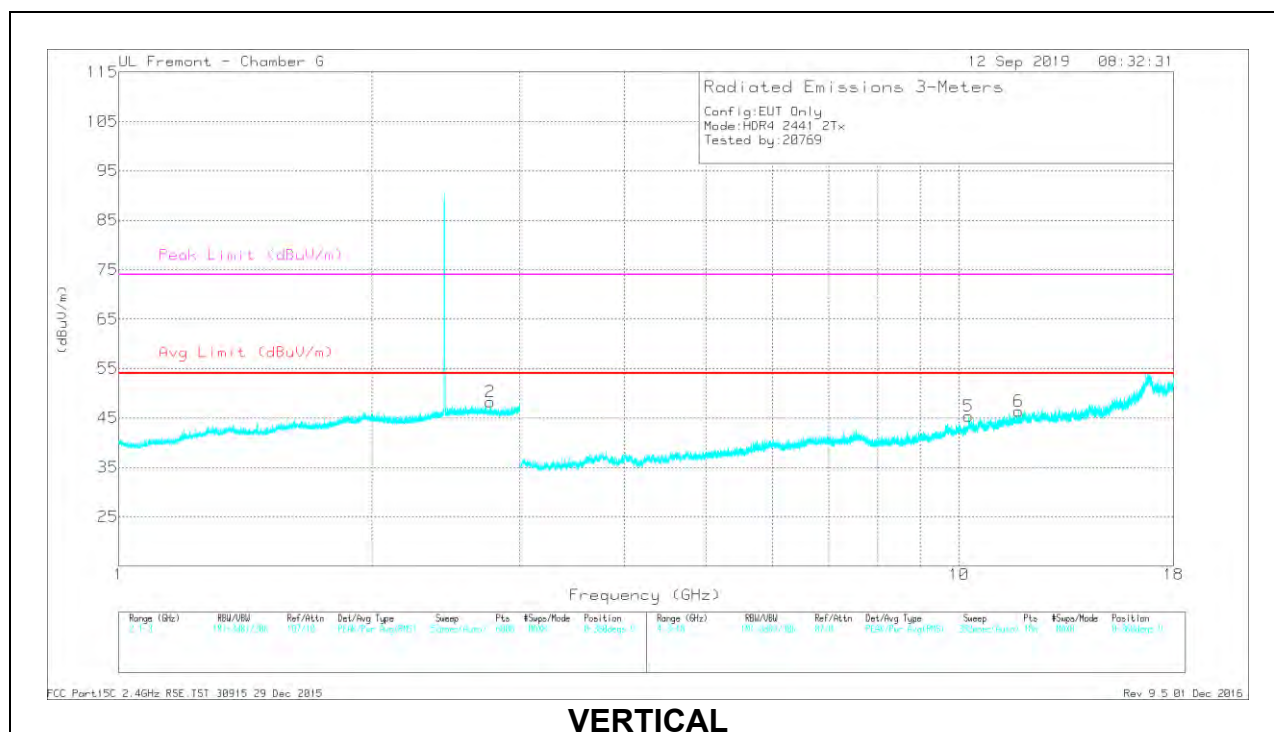
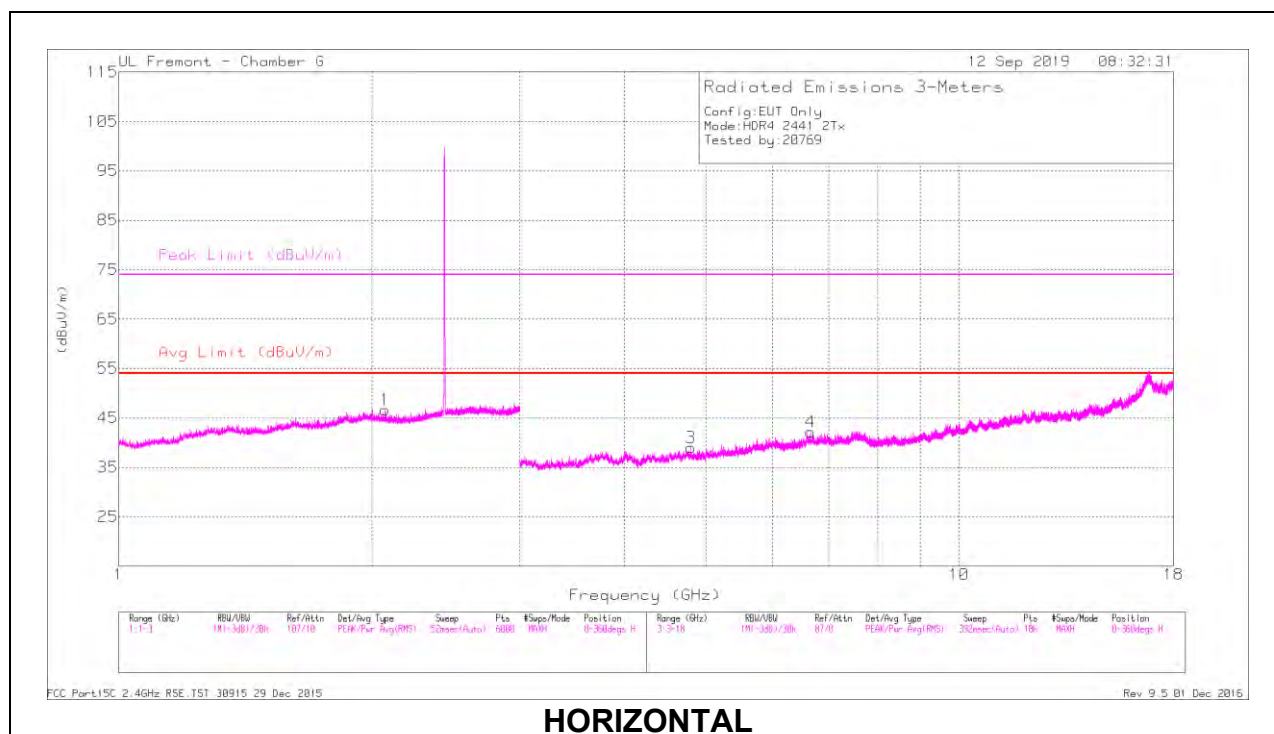
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.841	41	PK2	33.5	-30.5	44	-	-	74	-30	360	101	H
	* 3.842	30.11	MAv1	33.5	-30.5	33.11	54	-20.89	-	-	360	101	H
2	* 7.498	39.15	PK2	36.6	-27.1	48.65	-	-	74	-25.35	360	101	H
	* 7.498	28	MAv1	36.6	-27.1	37.5	54	-16.5	-	-	360	101	H
3	* 12.167	36.65	PK2	39	-23.2	52.45	-	-	74	-21.55	360	101	H
	* 12.167	25.53	MAv1	39	-23.2	41.33	54	-12.67	-	-	360	101	H
4	* 4.829	39.82	PK2	34.2	-29.8	44.22	-	-	74	-29.78	360	101	V
	* 4.828	28.86	MAv1	34.2	-29.8	33.26	54	-20.74	-	-	360	101	V
5	* 11.09	36.58	PK2	37.7	-23.7	50.58	-	-	74	-23.42	360	101	V
	* 11.089	25.84	MAv1	37.7	-23.7	39.84	54	-14.16	-	-	360	101	V
6	16.78	36.74	PK2	41.8	-17.6	60.94	-	-	-	-	92	165	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

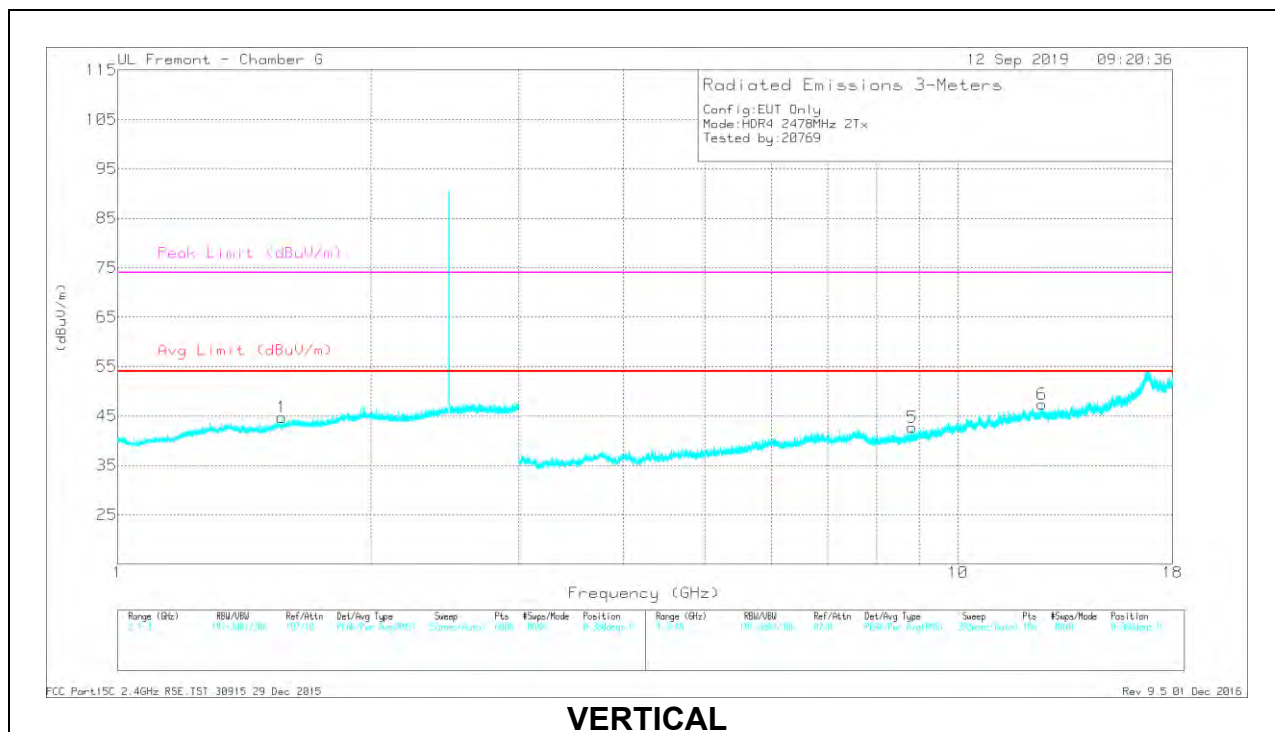
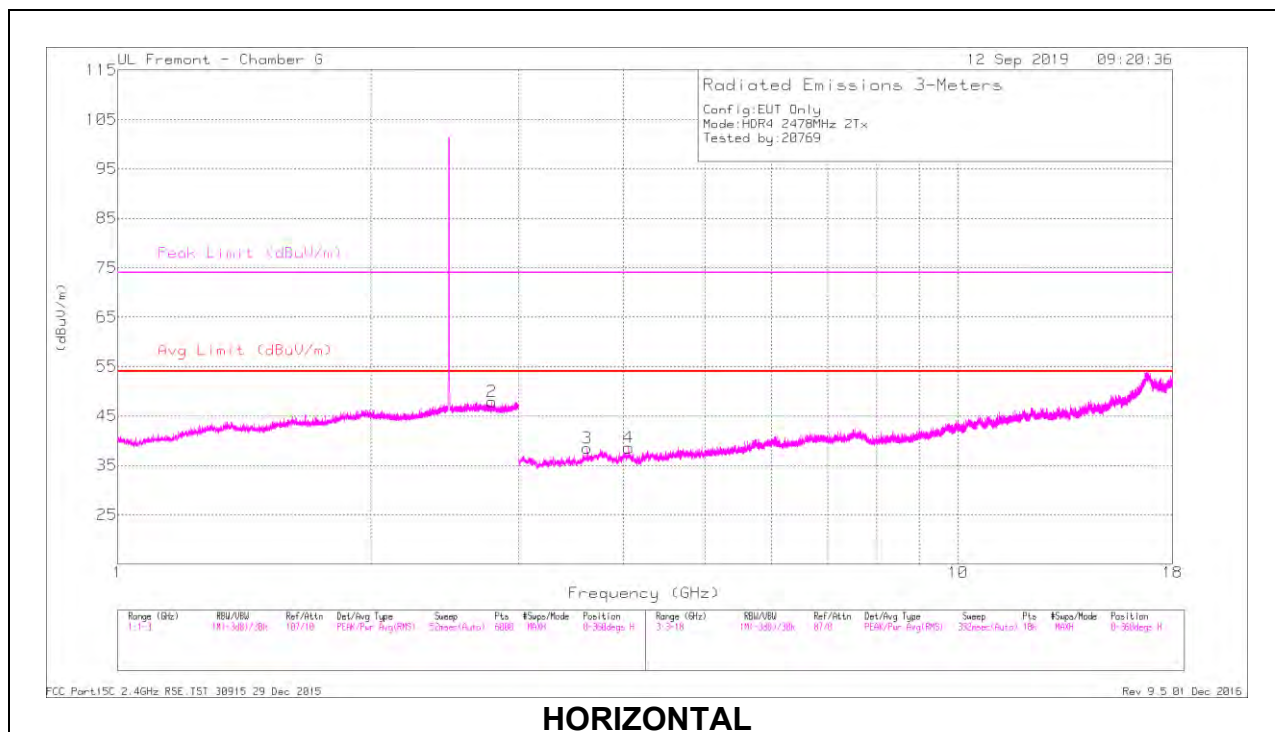
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.767	43.59	PK2	32.5	-22	54.09	-	-	74	-19.91	83	386	V
	* 2.768	31.7	MAv1	32.4	-22	42.1	54	-11.9	-	-	83	386	V
3	* 4.8	40.35	PK2	34.2	-29.7	44.85	-	-	74	-29.15	193	218	H
	* 4.799	29.01	MAv1	34.2	-29.7	33.51	54	-20.49	-	-	193	218	H
6	* 11.781	36.9	PK2	38.6	-23.3	52.2	-	-	74	-21.8	211	274	V
	* 11.782	25.17	MAv1	38.6	-23.3	40.47	54	-13.53	-	-	211	274	V
1	2.076	44.6	PK2	31.3	-22.5	53.4	-	-	-	-	144	243	H
4	6.655	39.63	PK2	36.4	-27.9	48.13	-	-	-	-	106	116	H
5	10.27	37.57	PK2	37.5	-23.7	51.37	-	-	-	-	344	383	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
2	* 2.785	43.63	PK2	32.4	-22	54.03	-	-	74	-19.97	54	353	H
	* 2.786	31.58	MAv1	32.4	-22	41.98	54	-12.02	-	-	54	353	H
1	* 1.568	44.55	PK2	28.5	-21.4	51.65	-	-	74	-22.35	137	318	V
	* 1.566	31.84	MAv1	28.5	-21.4	38.94	54	-15.06	-	-	137	318	V
3	* 3.619	40.82	PK2	33.1	-30	43.92	-	-	74	-30.08	330	309	H
	* 3.622	29.03	MAv1	33.1	-29.9	32.23	54	-21.77	-	-	330	309	H
4	* 4.058	40.69	PK2	33.2	-29.3	44.59	-	-	74	-29.41	315	235	H
	* 4.057	29.2	MAv1	33.2	-29.3	33.1	54	-20.9	-	-	315	235	H
6	* 12.599	37.16	PK2	39	-22.7	53.46	-	-	74	-20.54	111	229	V
	* 12.598	25.3	MAv1	39	-22.7	41.6	54	-12.4	-	-	111	229	V
5	8.821	38.05	PK2	35.9	-26.1	47.85	-	-	-	-	7	312	V

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

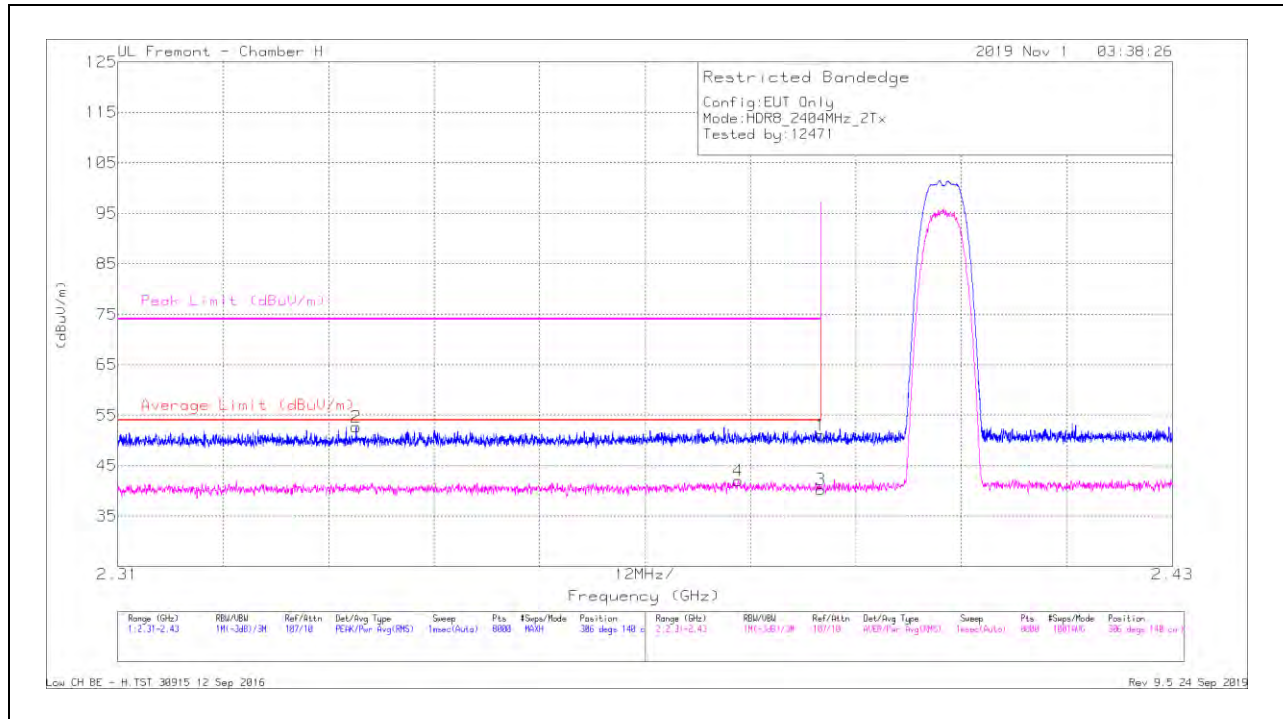
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

9.2.8. BEAMFORMING LOW POWER HDR (HDR8)

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



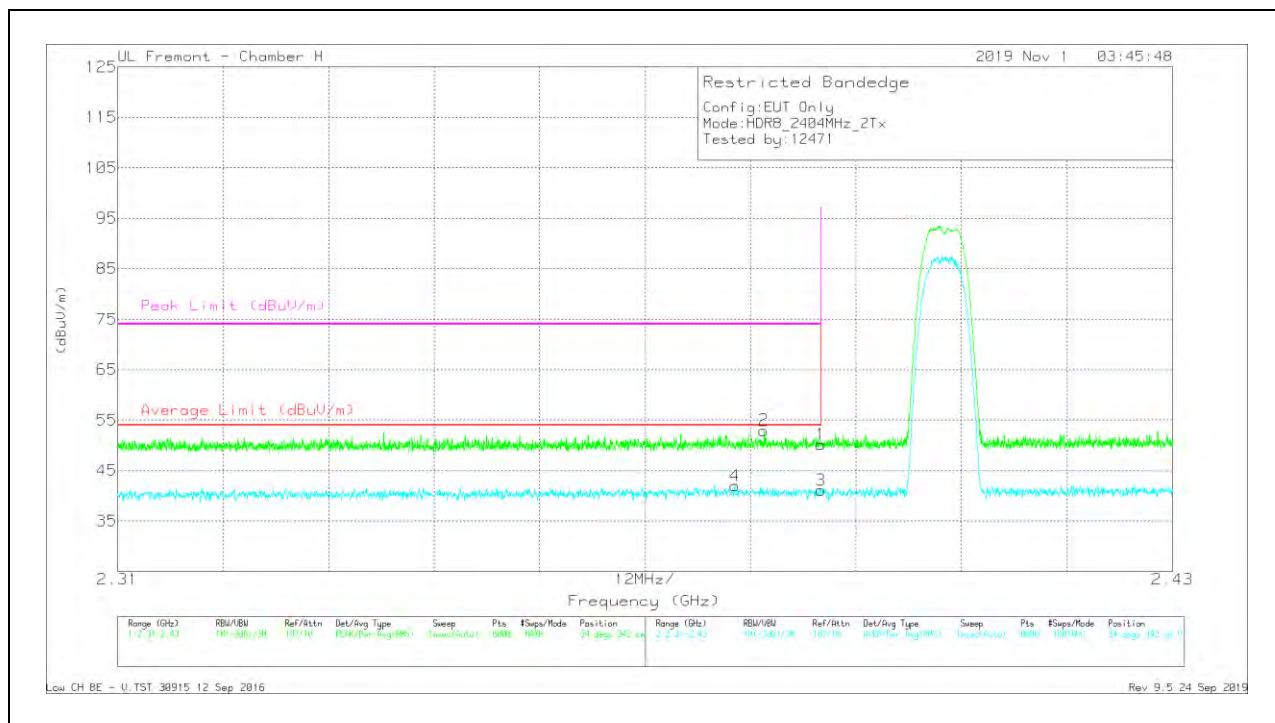
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.33712	44.3	Pk	31.9	-23.6	52.6	-	-	74	-21.4	306	140	H
4	* 2.3806	33.24	RMS	32.2	-23.5	41.94	54	-12.06	-	-	306	140	H
1	* 2.38999	42.42	Pk	32.1	-23.5	51.02	-	-	74	-22.98	306	140	H
3	* 2.38999	31.65	RMS	32.1	-23.5	40.25	54	-13.75	-	-	306	140	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 T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 2.38022	33.28	RMS	32.2	-23.5	41.98	54	-12.02	-	-	34	342	V
2	* 2.38354	44.36	Pk	32.1	-23.5	52.96	-	-	74	-21.04	34	342	V
1	* 2.38999	41.62	Pk	32.1	-23.5	50.22	-	-	74	-23.78	34	342	V
3	* 2.38999	32.52	RMS	32.1	-23.5	41.12	54	-12.88	-	-	34	342	V

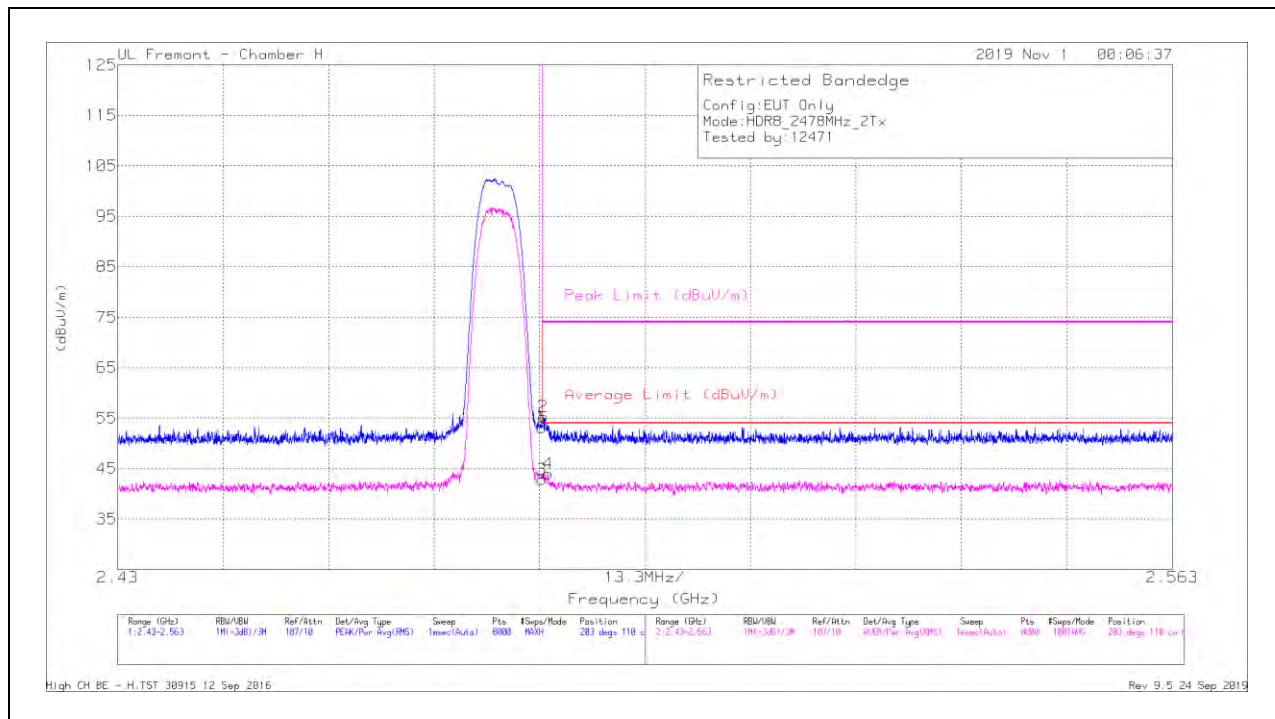
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



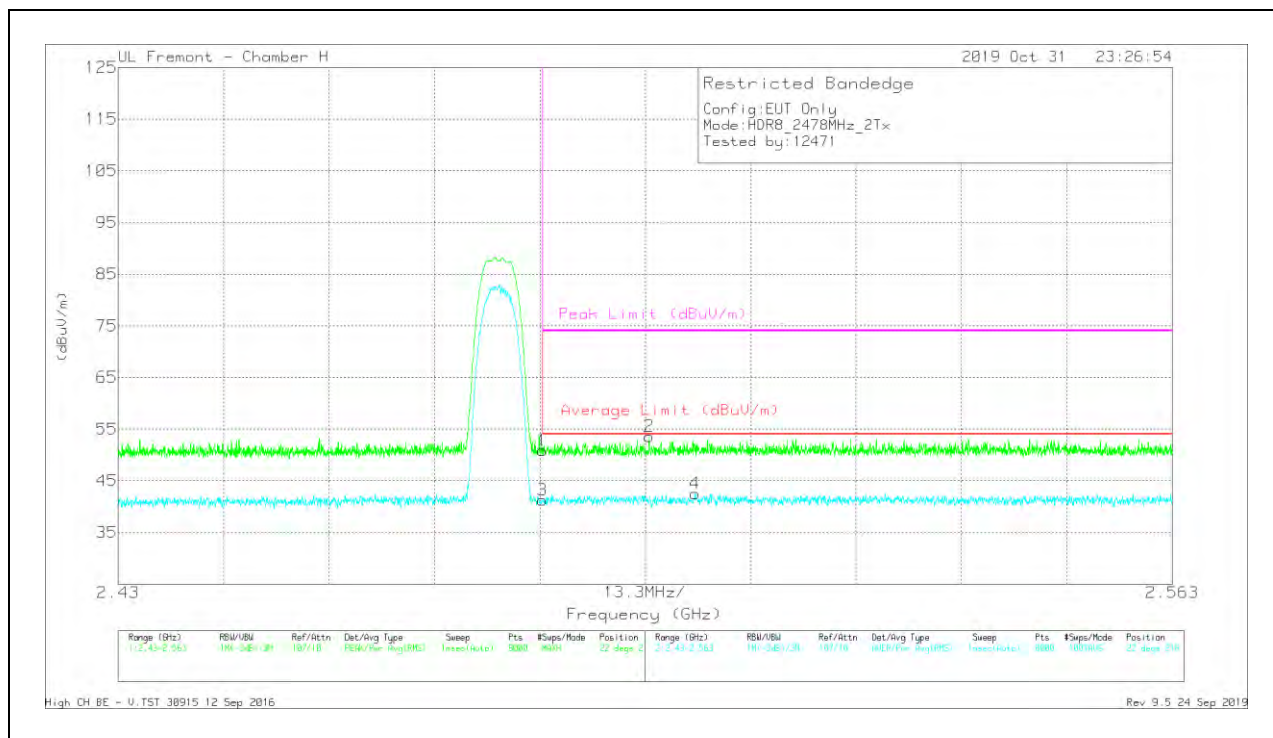
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	43.92	Pk	32.5	-23.3	53.12	-	-	74	-20.88	203	110	H
2	* 2.48369	46.06	Pk	32.5	-23.3	55.26	-	-	74	-18.74	203	110	H
3	* 2.48351	33.59	RMS	32.5	-23.3	42.79	54	-11.21	-	-	203	110	H
4	* 2.48425	34.75	RMS	32.5	-23.3	43.95	54	-10.05	-	-	203	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 T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBUV/m)	Average Limit (dBUV/m)	Margin (dB)	Peak Limit (dBUV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	41.68	Pk	32.5	-23.3	50.88	-	-	74	-23.12	22	218	V
3	* 2.48351	32.06	RMS	32.5	-23.3	41.26	54	-12.74	-	-	22	218	V
2	* 2.49699	44.29	Pk	32.5	-23.2	53.59	-	-	74	-20.41	22	218	V
4	2.50281	33.32	RMS	32.5	-23.3	42.52	54	-11.48	-	-	22	218	V

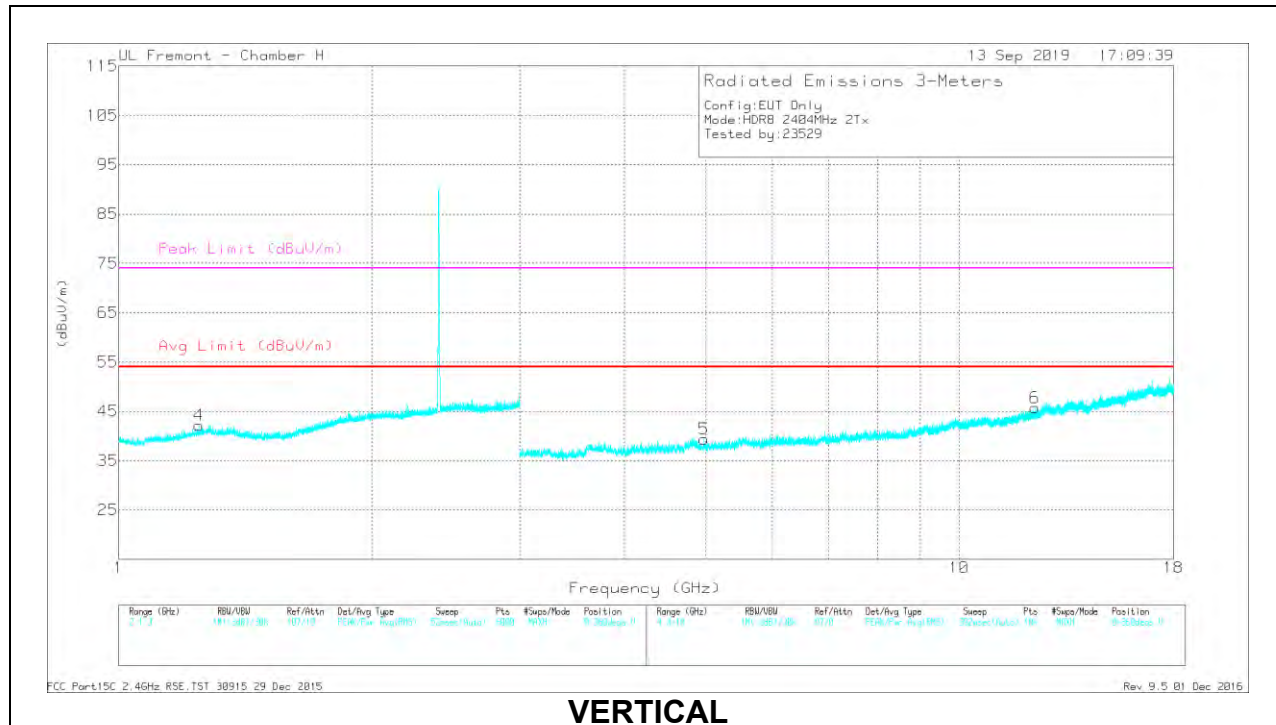
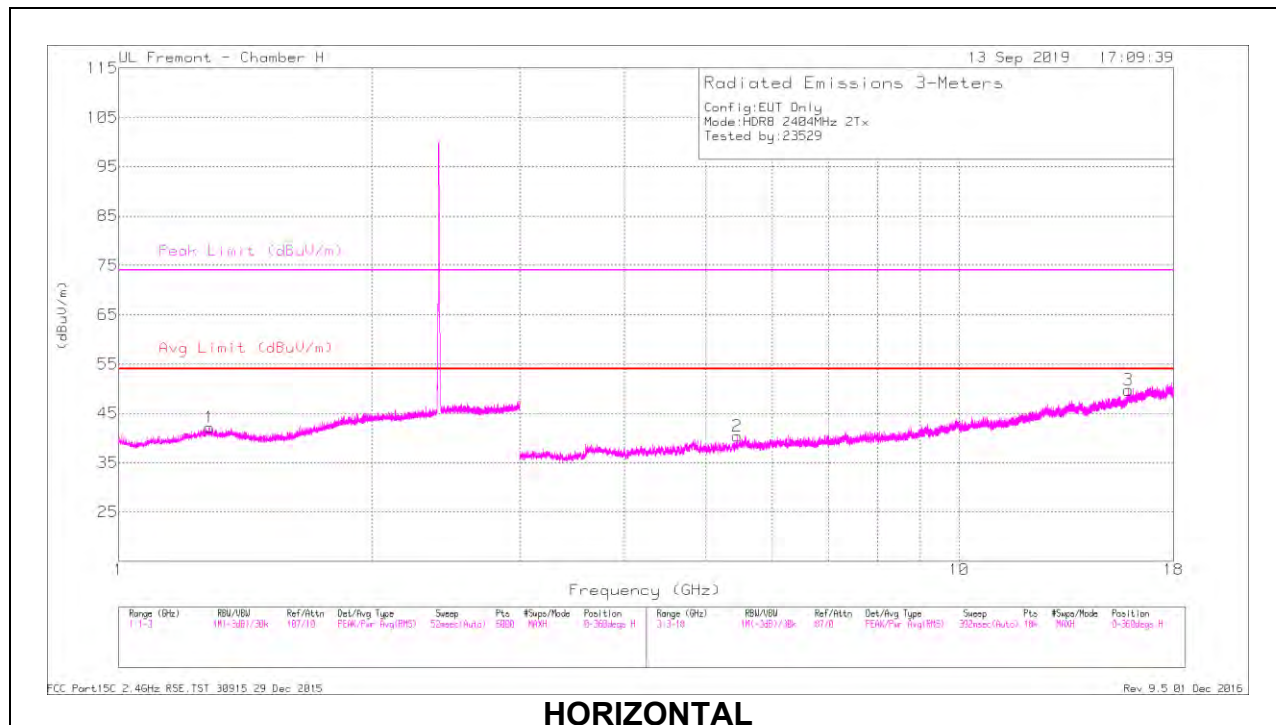
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

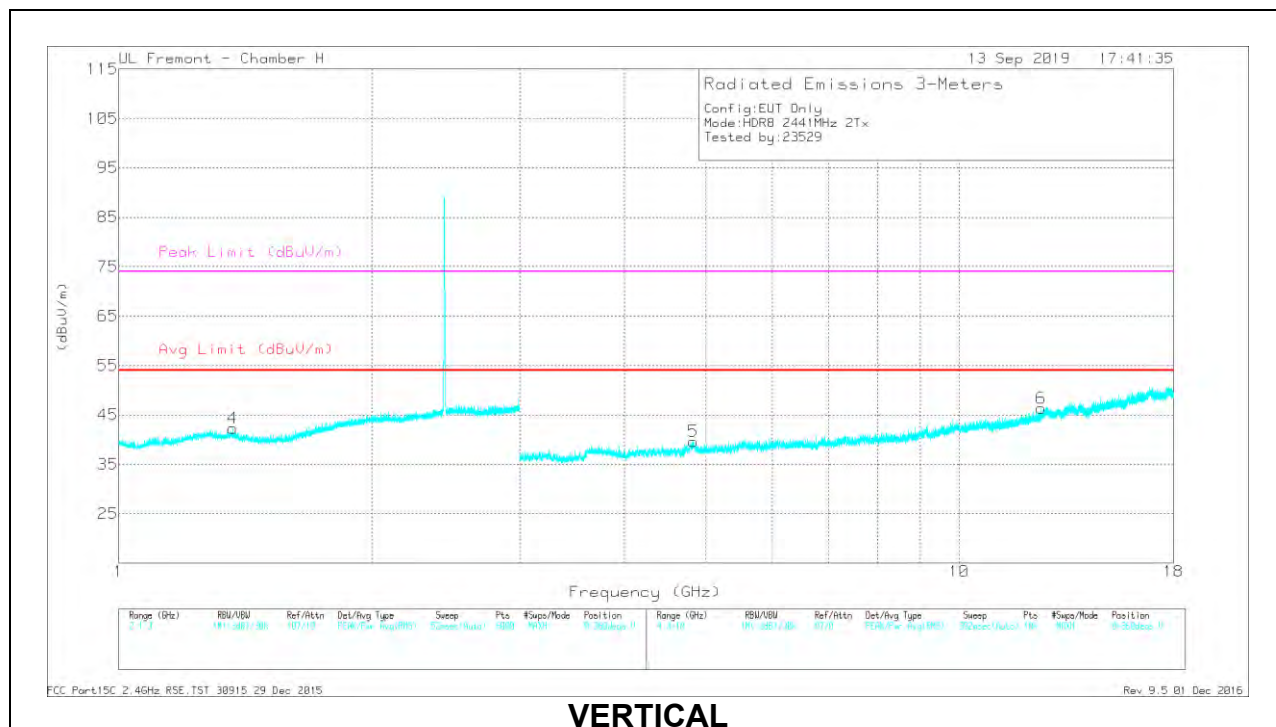
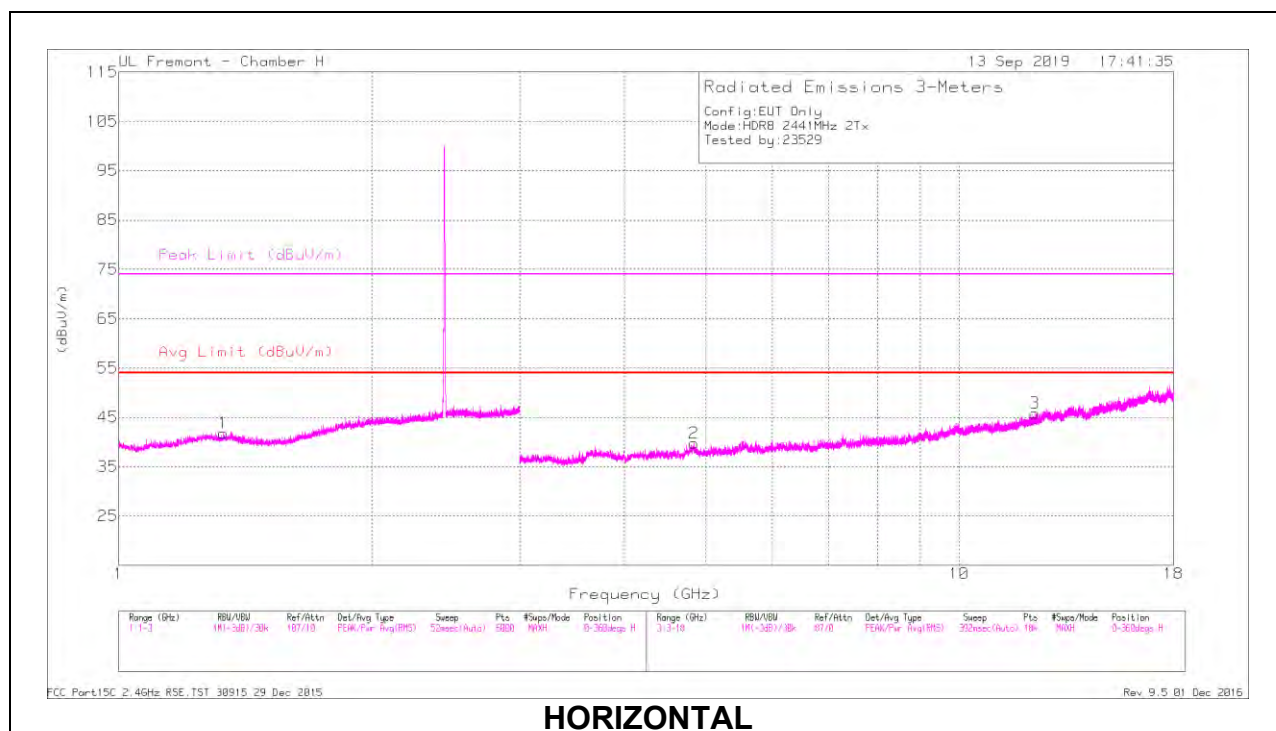
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.284	45.66	PK2	29.2	-25.4	49.46	-	-	74	-24.54	121	137	H
	* 1.283	33.56	MAv1	29.2	-25.4	37.36	54	-16.64	-	-	121	137	H
4	* 1.244	45.05	PK2	28.9	-25.5	48.45	-	-	74	-25.55	250	224	V
	* 1.244	33.59	MAv1	28.9	-25.5	36.99	54	-17.01	-	-	250	224	V
2	* 5.449	40.24	PK2	35.1	-29.3	46.04	-	-	74	-27.96	290	196	H
	* 5.448	28.72	MAv1	35.1	-29.3	34.52	54	-19.48	-	-	290	196	H
3	* 15.905	35.3	PK2	41.3	-20.5	56.1	-	-	74	-17.9	258	142	H
	* 15.904	24.33	MAv1	41.3	-20.5	45.13	54	-8.87	-	-	258	142	H
5	* 4.976	41.33	PK2	34.2	-29.5	46.03	-	-	74	-27.97	197	286	V
	* 4.975	29.66	MAv1	34.2	-29.5	34.36	54	-19.64	-	-	197	286	V
6	* 12.304	35.82	PK2	38.9	-22.9	51.82	-	-	74	-22.18	80	275	V
	* 12.307	25.13	MAv1	38.9	-22.9	41.13	54	-12.87	-	-	80	275	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS



RADIATED EMISSIONS

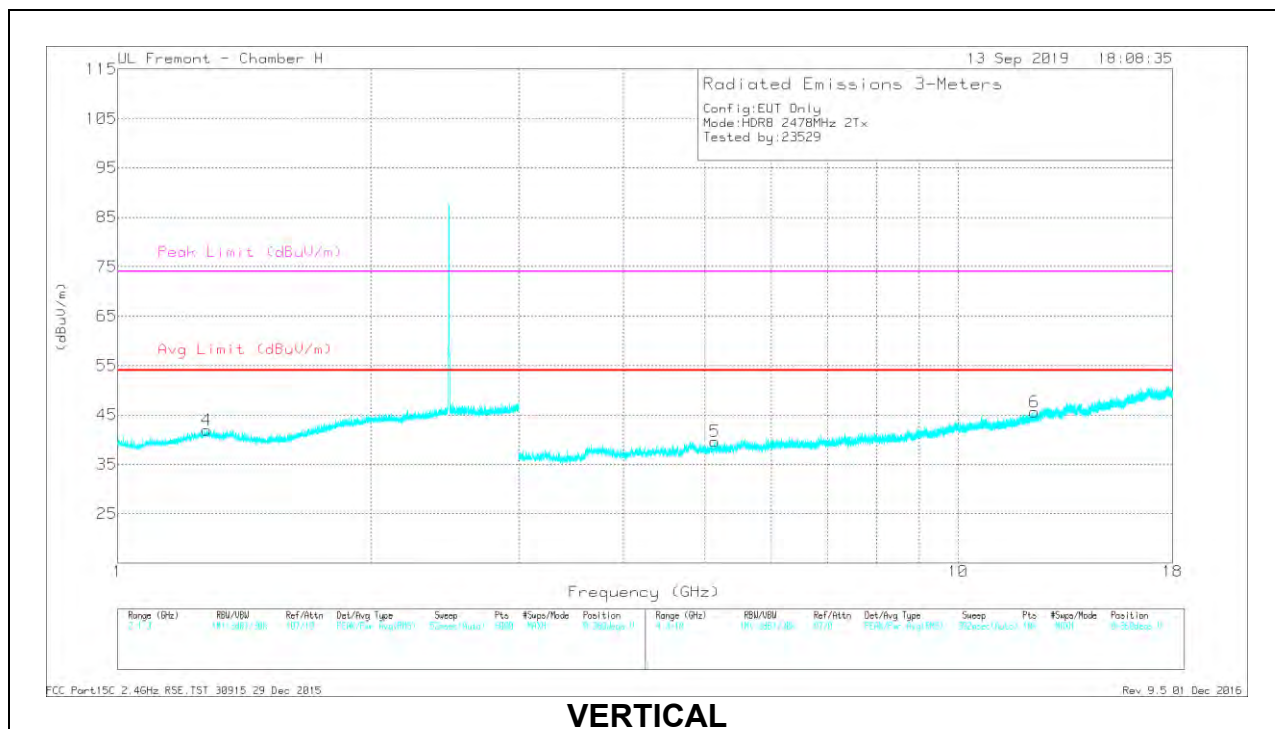
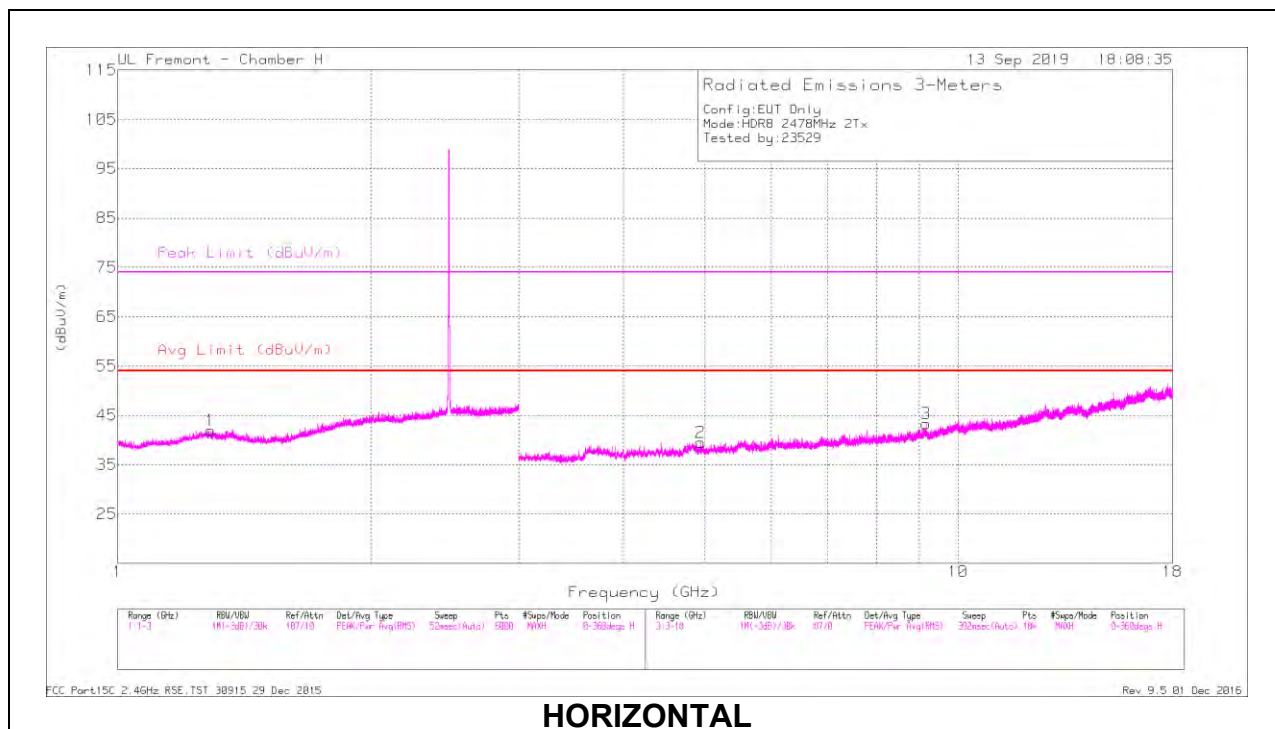
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.331	44.9	PK2	28.8	-25.3	48.4	-	-	74	-25.6	287	197	H
	* 1.33	33.5	MAv1	28.8	-25.3	37	54	-17	-	-	287	197	H
4	* 1.368	45.32	PK2	29	-25.2	49.12	-	-	74	-24.88	189	264	V
	* 1.366	33.57	MAv1	29.1	-25.2	37.47	54	-16.53	-	-	189	264	V
2	* 4.836	41.56	PK2	34.3	-30.3	45.56	-	-	74	-28.44	288	174	H
	* 4.835	30.53	MAv1	34.3	-30.3	34.53	54	-19.47	-	-	288	174	H
3	* 12.316	35.96	PK2	38.9	-22.7	52.16	-	-	74	-21.84	345	155	H
	* 12.313	24.9	MAv1	38.9	-22.8	41	54	-13	-	-	345	155	H
5	* 4.829	41.66	PK2	34.4	-30.4	45.66	-	-	74	-28.34	185	173	V
	* 4.83	30.76	MAv1	34.4	-30.4	34.76	54	-19.24	-	-	185	173	V
6	* 12.532	36.84	PK2	39.4	-23.3	52.94	-	-	74	-21.06	251	222	V
	* 12.532	25.2	MAv1	39.4	-23.3	41.3	54	-12.7	-	-	251	222	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.291	45.08	PK2	29.1	-25.4	48.78	-	-	74	-25.22	230	152	H
	* 1.29	33.53	MAv1	29.2	-25.4	37.33	54	-16.67	-	-	230	152	H
4	* 1.277	45.27	PK2	29.3	-25.4	49.17	-	-	74	-24.83	206	214	V
	* 1.276	33.58	MAv1	29.3	-25.4	37.48	54	-16.52	-	-	206	214	V
2	* 4.943	41.09	PK2	34.1	-29.9	45.29	-	-	74	-28.71	143	183	H
	* 4.94	29.63	MAv1	34.1	-29.9	33.83	54	-20.17	-	-	143	183	H
3	* 9.163	36.99	PK2	36.3	-24	49.29	-	-	74	-24.71	197	252	H
	* 9.166	25.64	MAv1	36.3	-23.9	38.04	54	-15.96	-	-	197	252	H
5	* 5.135	41.17	PK2	34.4	-29.7	45.87	-	-	74	-28.13	60	158	V
	* 5.136	30.27	MAv1	34.4	-29.7	34.97	54	-19.03	-	-	60	158	V
6	* 12.341	36.53	PK2	38.9	-23.2	52.23	-	-	74	-21.77	110	189	V
	* 12.341	25.18	MAv1	38.9	-23.2	40.88	54	-13.12	-	-	110	189	V

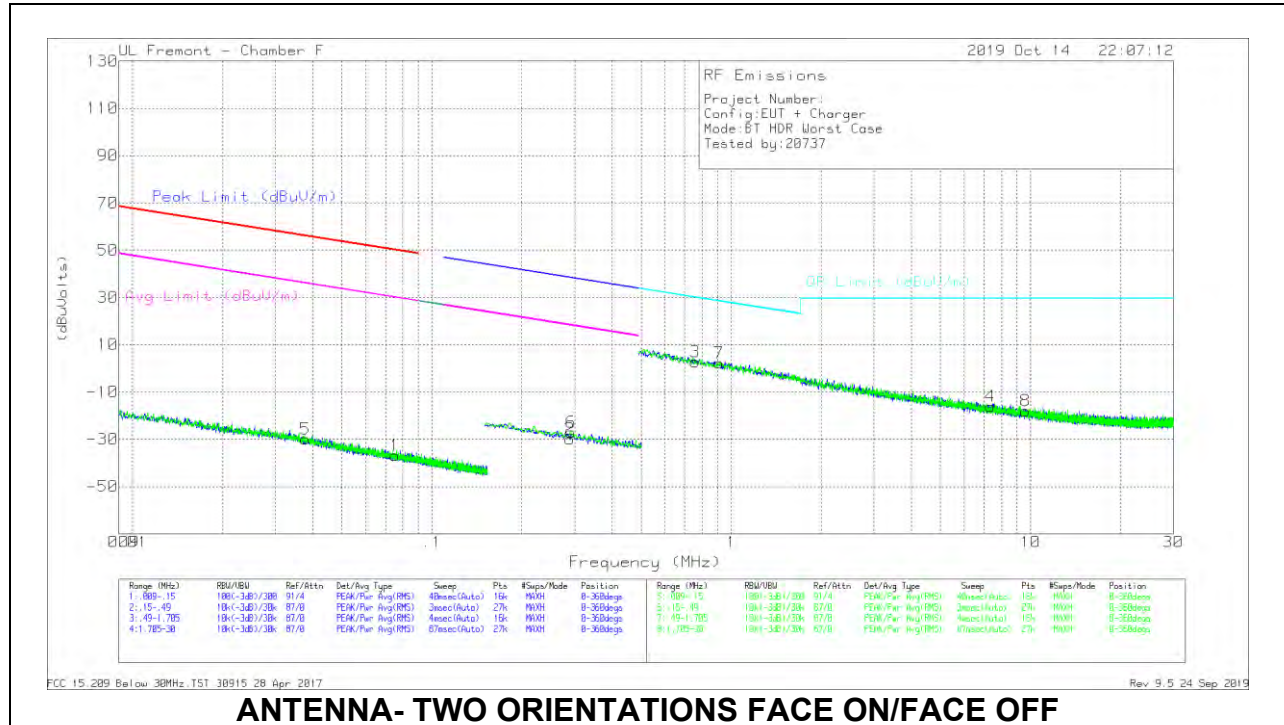
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

9.3. WORST CASE BELOW 30 MHZ

SPURIOUS EMISSIONS BELOW 30 MHz (WORST-CASE CONFIGURATION)



ANTENNA- TWO ORIENTATIONS FACE ON/FACE OFF

Below 30MHz Data

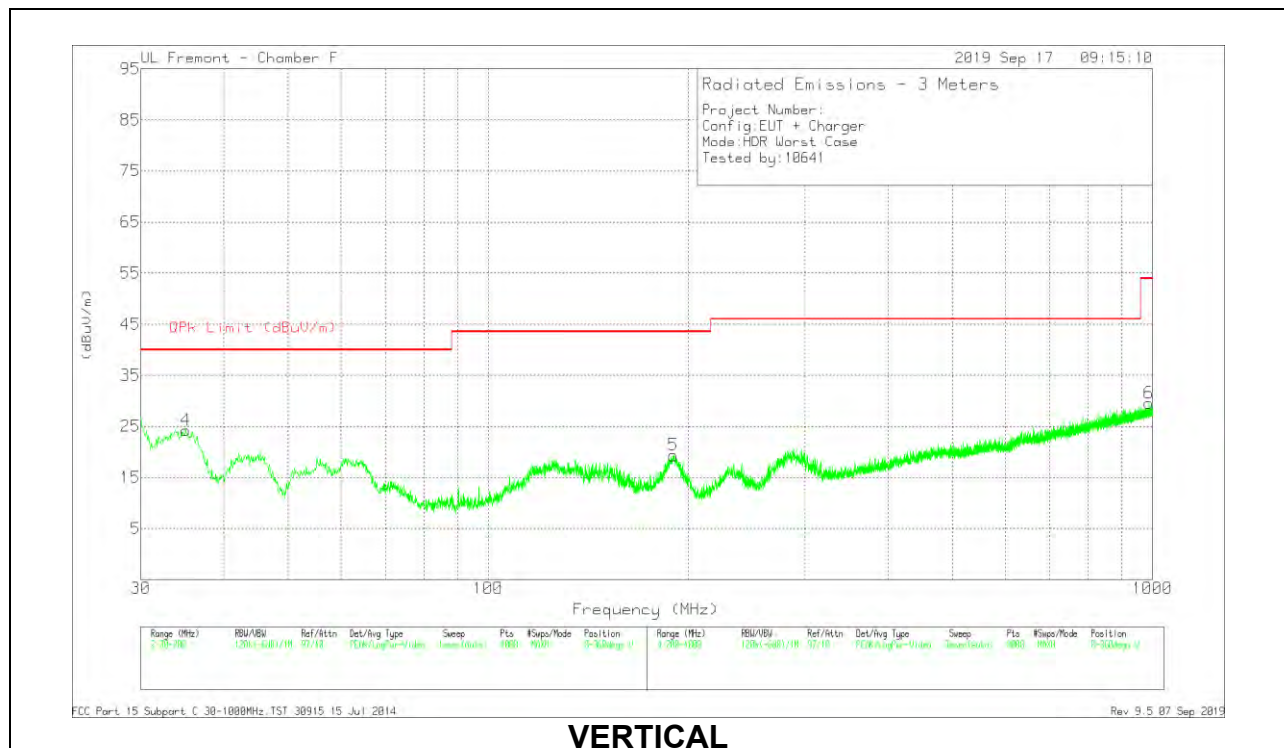
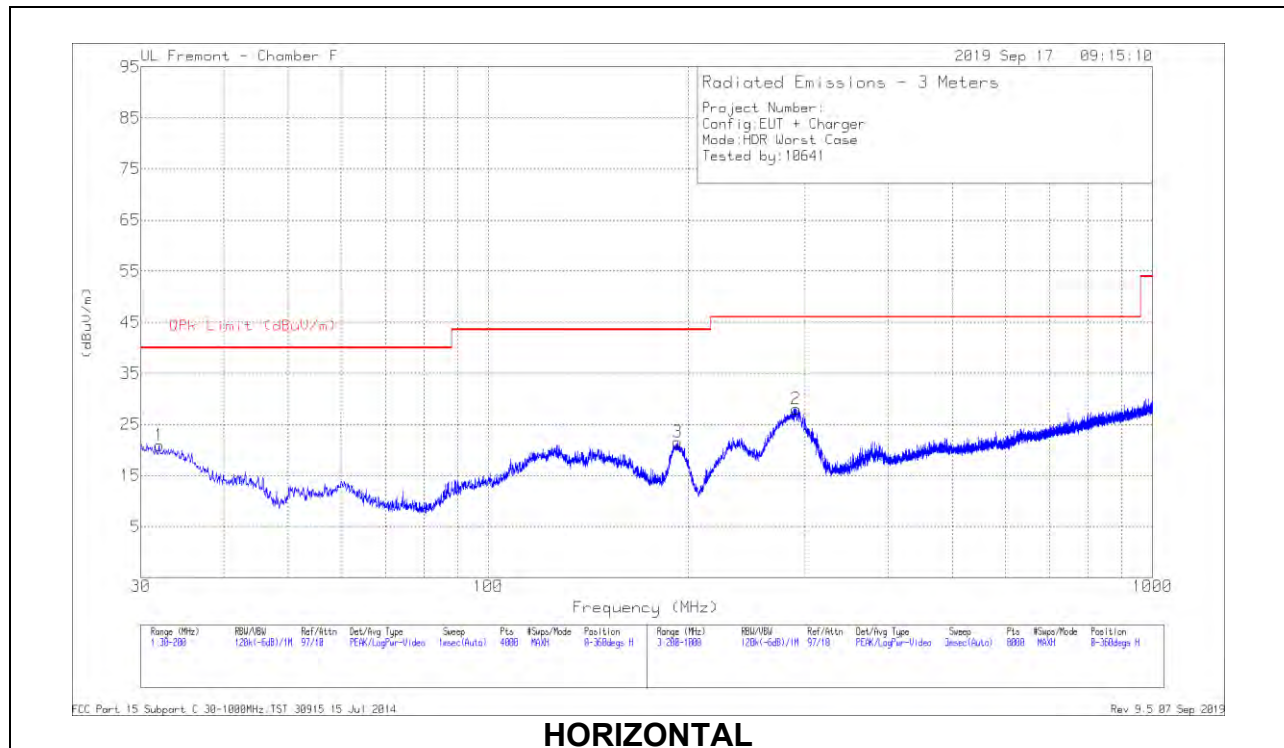
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dBm)	Cables (dB)	Dist Corr 300m	Corrected Reading (dBuVolts)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
1	.07543	31.23	Pk	11.9	0	-80	-36.87	50.03	-86.9	30.03	-66.9	-	-	-	-	0-360
2	.26889	39.13	Pk	10.9	.1	-80	-29.87	-	-	-	-	38.4	-68.27	18.4	-48.27	0-360
5	.03789	36.25	Pk	13.8	0	-80	-29.95	56.01	-85.96	36.01	-65.96	-	-	-	-	0-360
6	.2917	42.04	Pk	10.9	.1	-80	-26.96	-	-	-	-	38.31	-65.27	18.31	-45.27	0-360

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dBm)	Cables (dB)	Dist Corr (dB) 40Log	Corrected Reading (dBuVolts)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
3	.75718	31.68	Pk	11	.1	-40	2.78	30.03	-27.25	0-360
4	7.34376	12.67	Pk	11	.3	-40	-16.03	29.5	-45.53	0-360
7	.91077	31.12	Pk	11.1	.1	-40	2.32	28.43	-26.11	0-360
8	9.63731	10.84	Pk	10.7	.4	-40	-18.06	29.5	-47.56	0-360

Pk - Peak detector

9.4. WORST CASE BELOW 1 GHZ

SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION)



Below 1GHz Data

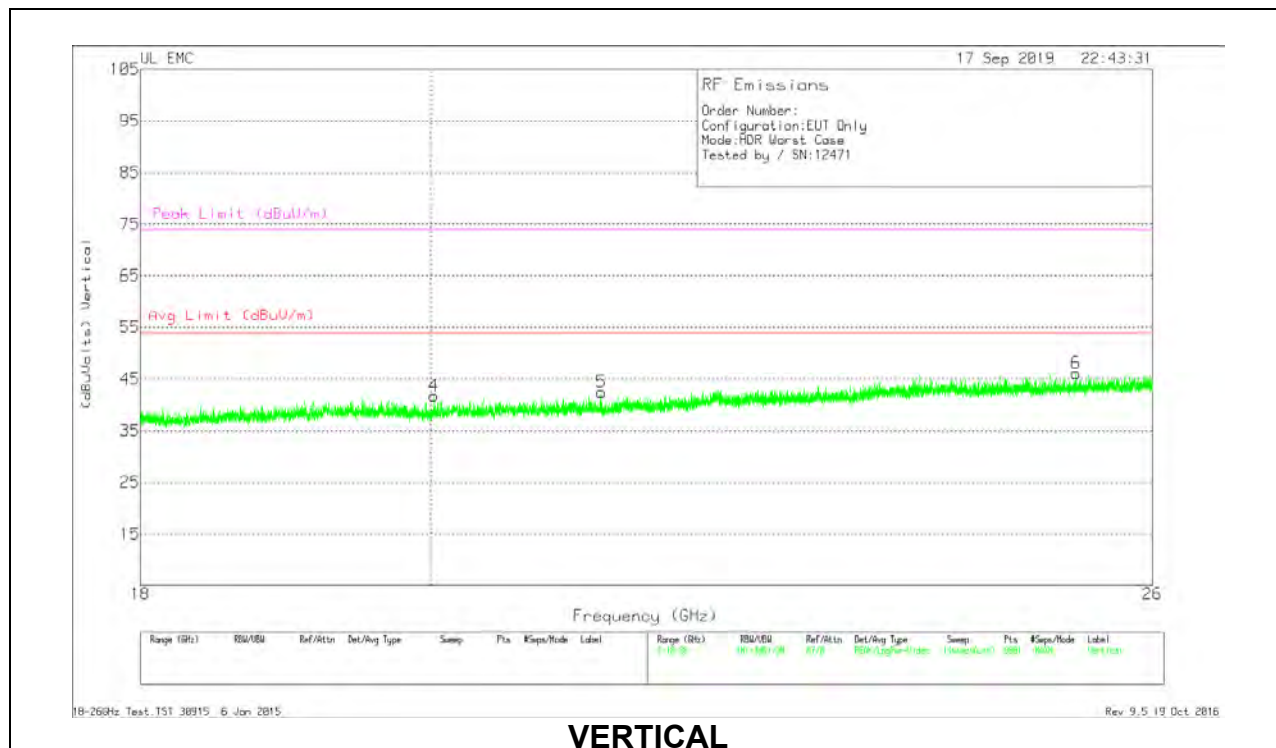
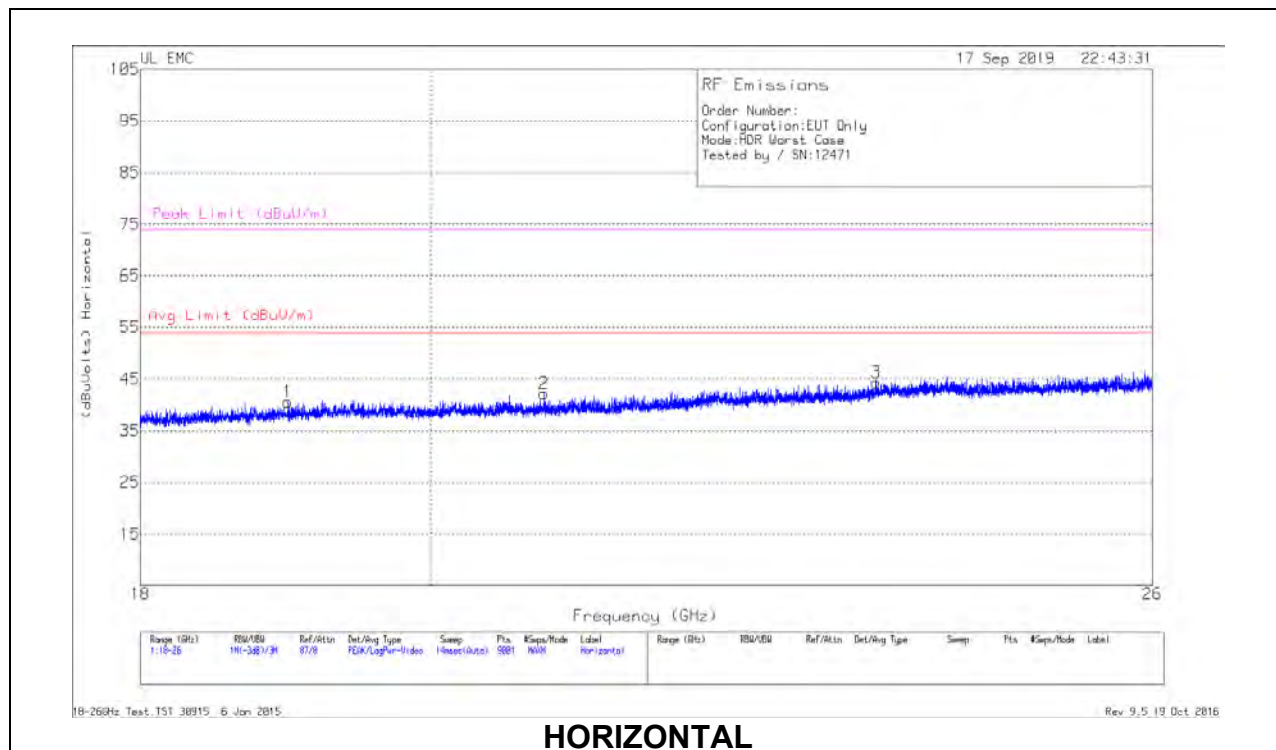
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T407 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	31.998	28.98	Pk	23.8	-31.9	20.88	40	-19.12	0-360	299	H
3	192.9447	36.59	Pk	15.4	-30.4	21.59	43.52	-21.93	0-360	99	H
4	35.0588	34.45	Pk	21.6	-31.9	24.15	40	-15.85	0-360	100	V
5	190.1814	34.72	Pk	15.2	-30.6	19.32	43.52	-24.2	0-360	100	V
2	290.4118	40.67	Pk	17.3	-30	27.97	46.02	-18.05	0-360	99	H
6	* 987.4023	28.31	Pk	27	-25.8	29.51	53.97	-24.46	0-360	299	V

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

Pk - Peak detector

9.5. WORST CASE 18-26 GHZ

SPURIOUS EMISSIONS 18-26 GHz (WORST-CASE CONFIGURATION)



18 – 26GHz Data

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	T447 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Corrected Reading (dBuVolts)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Polarity
1	18.99	39.28	Pk	32.6	-21.8	-9.5	40.58	54	-13.42	74	-33.42	H
2	20.843	40.08	Pk	33	-21.4	-9.5	42.18	54	-11.82	74	-31.82	H
3	23.517	39.75	Pk	34.1	-20	-9.5	44.35	54	-9.65	74	-29.65	H
4	20.027	40.06	Pk	32.7	-21.5	-9.5	41.76	54	-12.24	74	-32.24	V
5	21.281	40.36	Pk	33	-21.4	-9.5	42.46	54	-11.54	74	-31.54	V
6	25.287	40.89	Pk	34.5	-19.8	-9.5	46.09	54	-7.91	74	-27.91	V

Pk - Peak detector

10. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

RSS-Gen 8.8

Frequency of Emission (MHz)	Conducted Limit (dBuV)	
	Quasi-Peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

TEST PROCEDURE

The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.10.

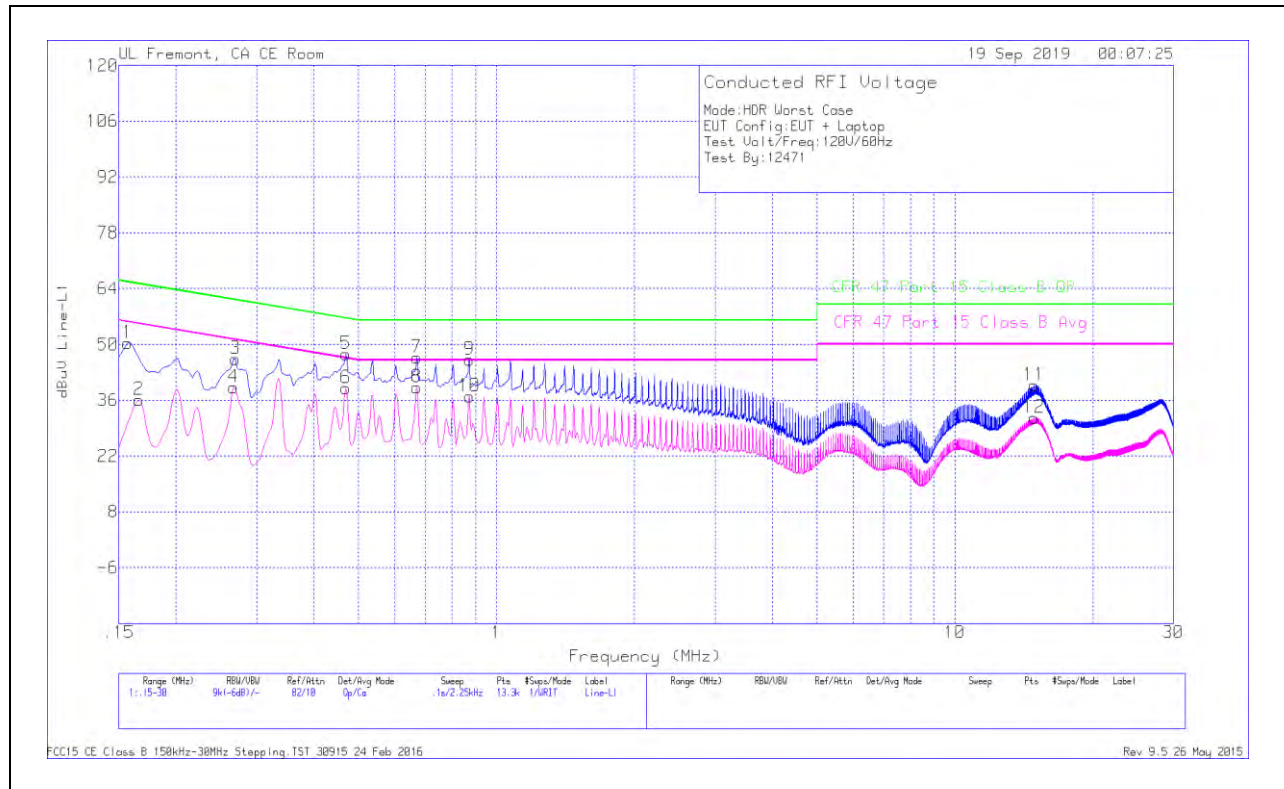
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

Line conducted data is recorded for both NEUTRAL and HOT lines.

RESULTS

10.1. AC Power Line Host

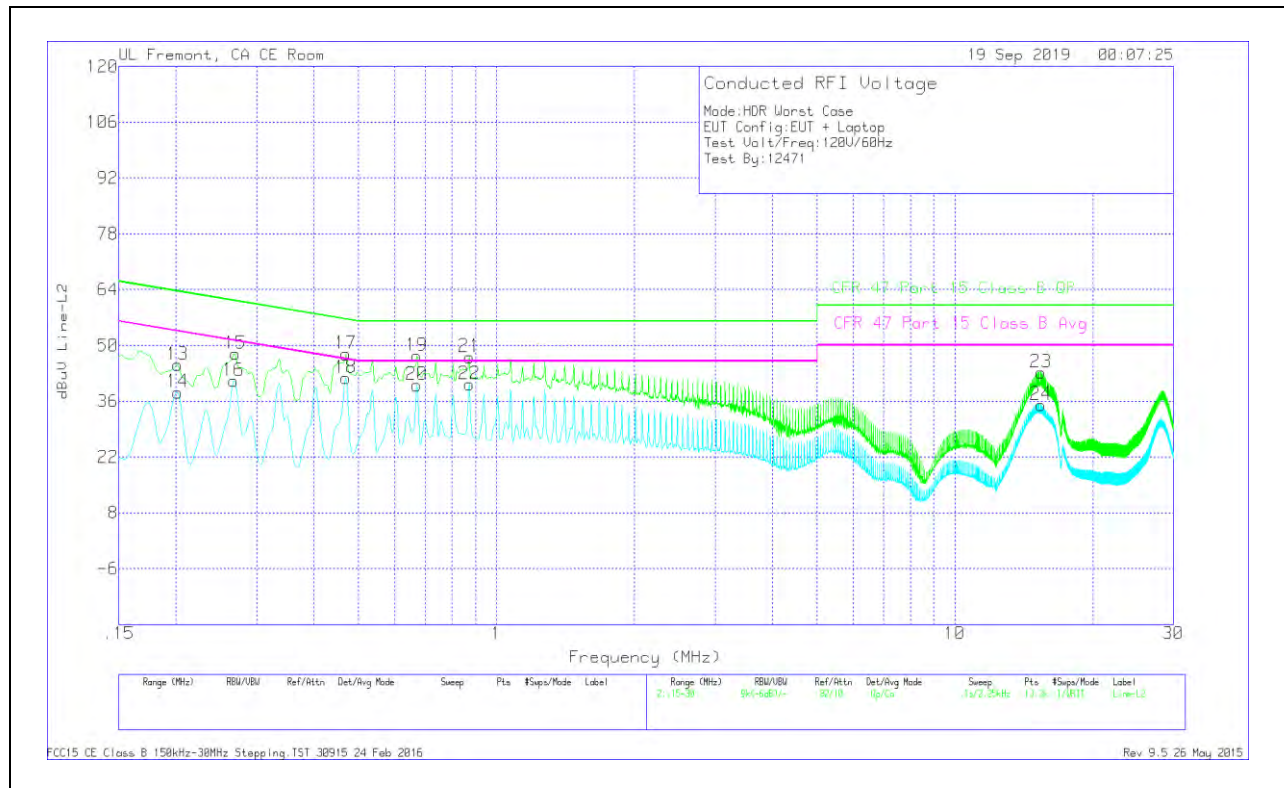
LINE 1 RESULTS



Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L1	LC Cables C1&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
1	.15675	40.14	Qp	.1	0	10.1	50.34	65.63	-15.29	-	-
2	.16575	25.87	Ca	.1	0	10.1	36.07	-	-	55.17	-19.1
3	.26925	36.25	Qp	0	0	10.1	46.35	61.14	-14.79	-	-
4	.267	29.08	Ca	0	0	10.1	39.18	-	-	51.21	-12.03
5	.4695	37.48	Qp	0	0	10.1	47.58	56.52	-8.94	-	-
6	.4695	28.97	Ca	0	0	10.1	39.07	-	-	46.52	-7.45
7	.66975	36.57	Qp	0	0	10.1	46.67	56	-9.33	-	-
8	.66975	29.17	Ca	0	0	10.1	39.27	-	-	46	-6.73
9	.87225	36.15	Qp	0	0	10.1	46.25	56	-9.75	-	-
10	.87225	26.83	Ca	0	0	10.1	36.93	-	-	46	-9.07
11	14.88525	29.16	Qp	.1	.3	10.2	39.76	60	-20.24	-	-
12	14.88525	20.96	Ca	.1	.3	10.2	31.56	-	-	50	-18.44

Qp - Quasi-Peak detector
Ca - CISPR average detection

LINE 2 RESULTS

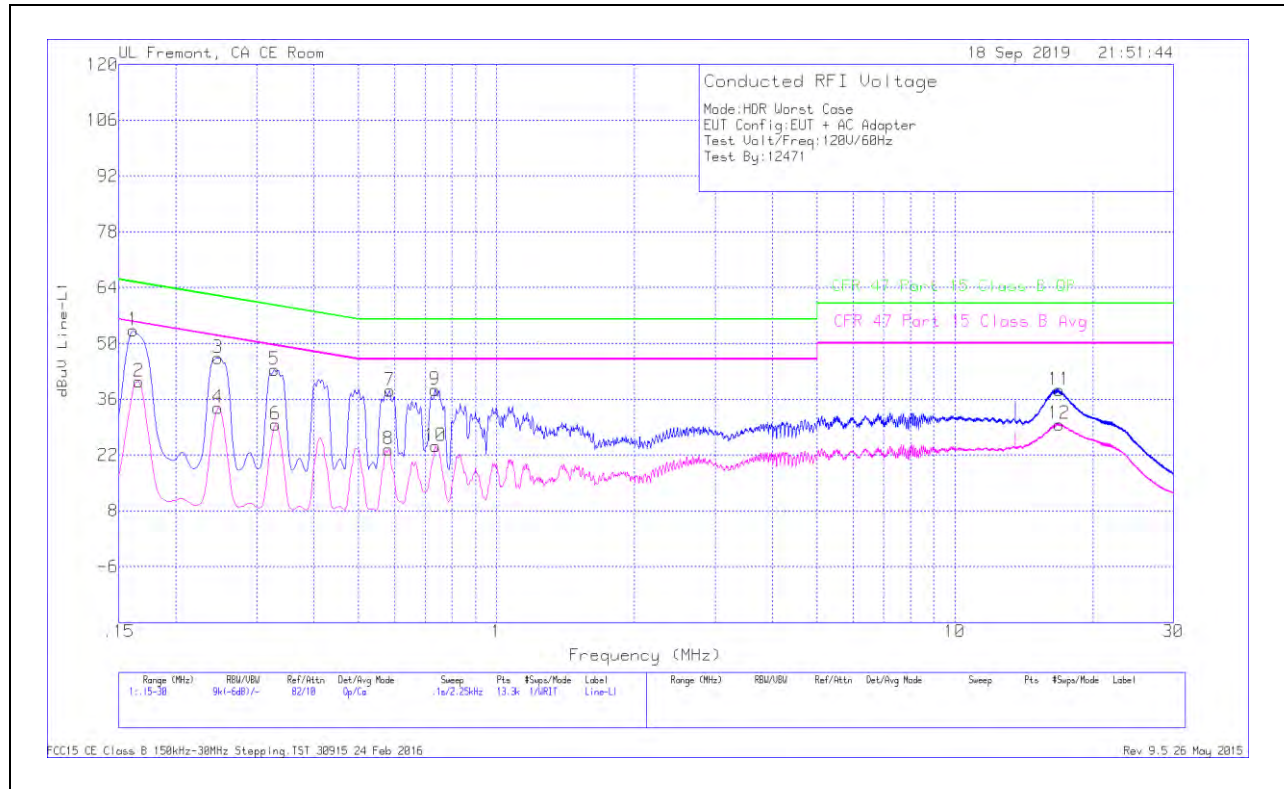


Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L2	LC Cables C2&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
13	.20175	35.1	Qp	0	0	10.1	45.2	63.54	-18.34	-	-
14	.20175	28.16	Ca	0	0	10.1	38.26	-	-	53.54	-15.28
15	.26925	37.79	Qp	0	0	10.1	47.89	61.14	-13.25	-	-
16	.267	30.96	Ca	0	0	10.1	41.06	-	-	51.21	-10.15
17	.4695	37.73	Qp	0	0	10.1	47.83	56.52	-8.69	-	-
18	.4695	31.68	Ca	0	0	10.1	41.78	-	-	46.52	-4.74
19	.66975	37.26	Qp	0	0	10.1	47.36	56	-8.64	-	-
20	.66975	29.91	Ca	0	0	10.1	40.01	-	-	46	-5.99
21	.87225	37.03	Qp	0	0	10.1	47.13	56	-8.87	-	-
22	.87225	30.22	Ca	0	0	10.1	40.32	-	-	46	-5.68
23	15.423	32.54	Qp	.1	.3	10.2	43.14	60	-16.86	-	-
24	15.423	24.53	Ca	.1	.3	10.2	35.13	-	-	50	-14.87

Qp - Quasi-Peak detector
Ca - CISPR average detection

10.2. AC Power Line Norm

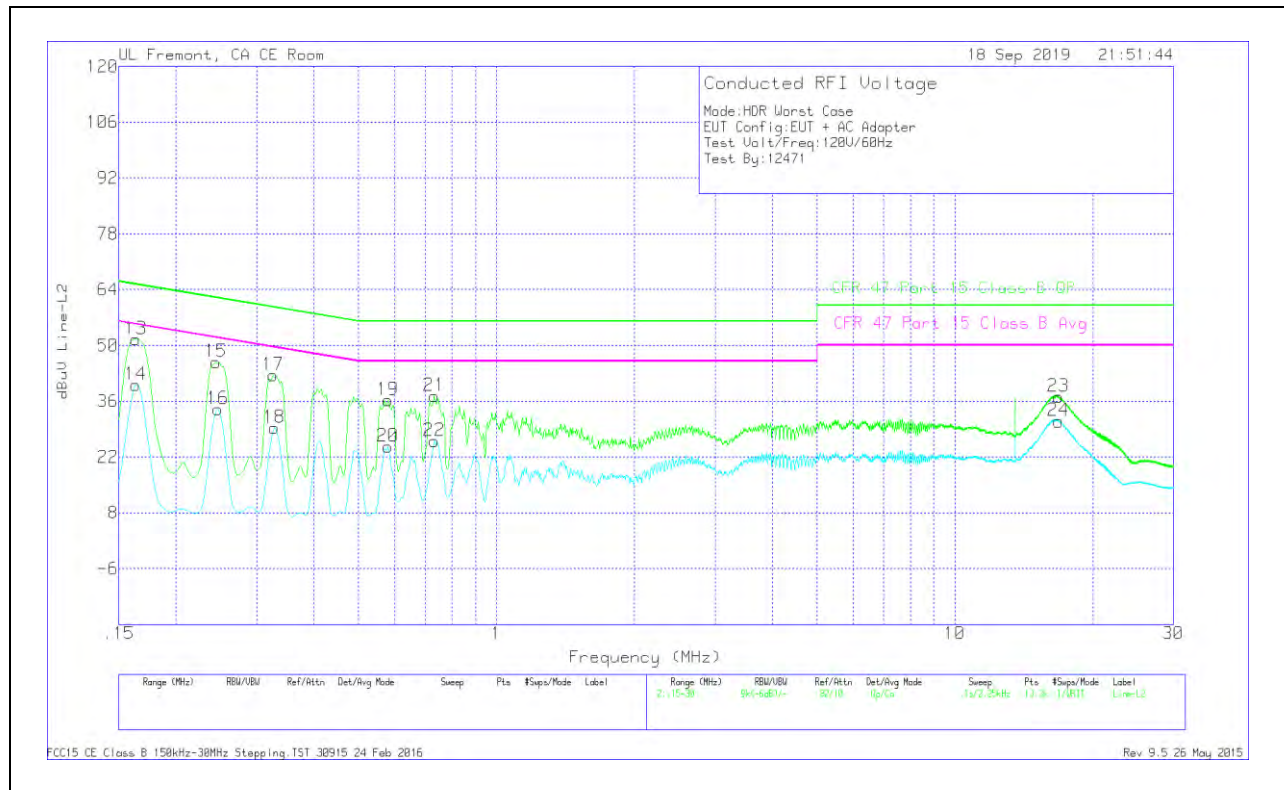
LINE 1 RESULTS



Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L1	LC Cables C1&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
1	.16125	43.11	Qp	.1	0	10.1	53.31	65.4	-12.09	-	-
2	.16575	30.3	Ca	.1	0	10.1	40.5	-	-	55.17	-14.67
3	.24675	36.23	Qp	0	0	10.1	46.33	61.87	-15.54	-	-
4	.24675	23.75	Ca	0	0	10.1	33.85	-	-	51.87	-18.02
5	.32775	33.32	Qp	0	0	10.1	43.42	59.51	-16.09	-	-
6	.33	19.63	Ca	0	0	10.1	29.73	-	-	49.45	-19.72
7	.58425	28.05	Qp	0	0	10.1	38.15	56	-17.85	-	-
8	.582	13.34	Ca	0	0	10.1	23.44	-	-	46	-22.56
9	.735	28.22	Qp	0	0	10.1	38.32	56	-17.68	-	-
10	.73725	14.21	Ca	0	0	10.1	24.31	-	-	46	-21.69
11	16.89675	27.62	Qp	.1	.3	10.3	38.32	60	-21.68	-	-
12	16.89563	19.05	Ca	.1	.3	10.3	29.75	-	-	50	-20.25

Qp - Quasi-Peak detector
Ca - CISPR average detection

LINE 2 RESULTS



Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L2	LC Cables C2&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
13	.1635	41.4	Qp	.1	0	10.1	51.6	65.28	-13.68	-	-
14	.1635	29.82	Ca	.1	0	10.1	40.02	-	-	55.28	-15.26
15	.2445	35.67	Qp	0	0	10.1	45.77	61.94	-16.17	-	-
16	.24675	23.89	Ca	0	0	10.1	33.99	-	-	51.87	-17.88
17	.3255	32.36	Qp	0	0	10.1	42.46	59.57	-17.11	-	-
18	.32775	19.21	Ca	0	0	10.1	29.31	-	-	49.51	-20.2
19	.57975	26.19	Qp	0	0	10.1	36.29	56	-19.71	-	-
20	.57975	14.52	Ca	0	0	10.1	24.62	-	-	46	-21.38
21	.73275	27.13	Qp	0	0	10.1	37.23	56	-18.77	-	-
22	.73275	15.9	Ca	0	0	10.1	26	-	-	46	-20
23	16.8495	26.36	Qp	.1	.3	10.3	37.06	60	-22.94	-	-
24	16.8495	20.27	Ca	.1	.3	10.3	30.97	-	-	50	-19.03

Qp - Quasi-Peak detector
Ca - CISPR average detection

11. SETUP PHOTOS

Please refer to 13018918-EP1V1 for setup photos.

END OF TEST REPORT