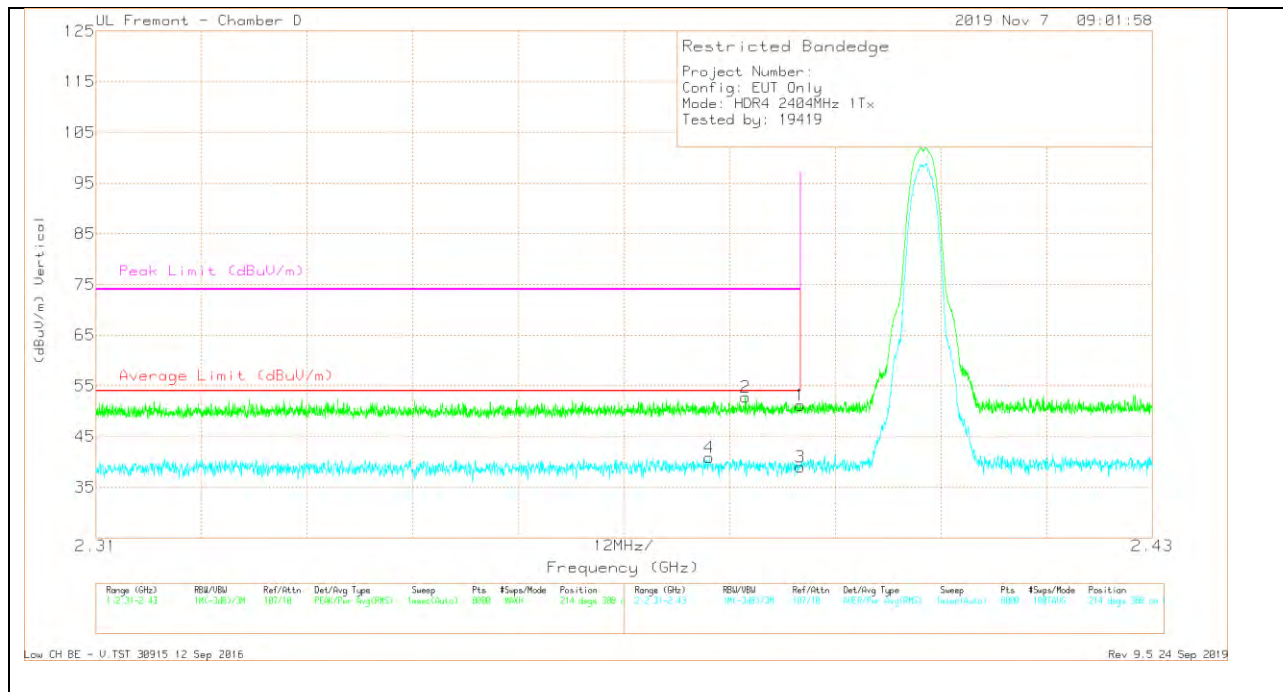


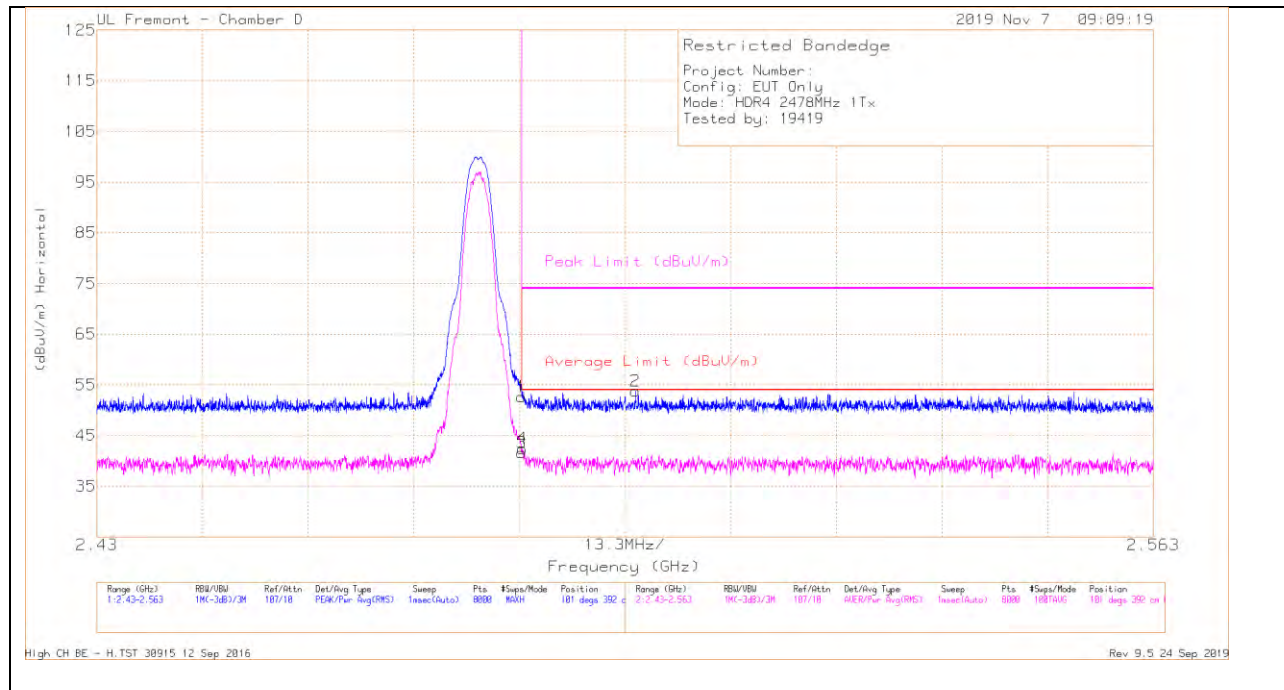
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cb/Filtr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	39.69	Pk	32	-20.5	51.19	-	-	74	-22.81	214	388	V
2	* 2.38378	41.37	Pk	32	-20.6	52.77	-	-	74	-21.23	214	388	V
3	* 2.38999	27.54	RMS	32	-20.5	39.04	54	-14.96	-	-	214	388	V
4	* 2.37967	29.46	RMS	31.9	-20.5	40.86	54	-13.14	-	-	214	388	V

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

Low CH BE - V.TST 30915 12 Sep 2016
Rev 9.5 24 Sep 2019

BANEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cb/Filt/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	40.79	Pk	32.4	-20.5	52.69	-	-	74	-21.31	101	392	H
2	* 2.49779	41.84	Pk	32.3	-20.4	53.74	-	-	74	-20.26	101	392	H
3	* 2.48351	29.71	RMS	32.4	-20.5	41.61	54	-12.39	-	-	101	392	H
4	* 2.48359	30.51	RMS	32.4	-20.5	42.41	54	-11.59	-	-	101	392	H

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

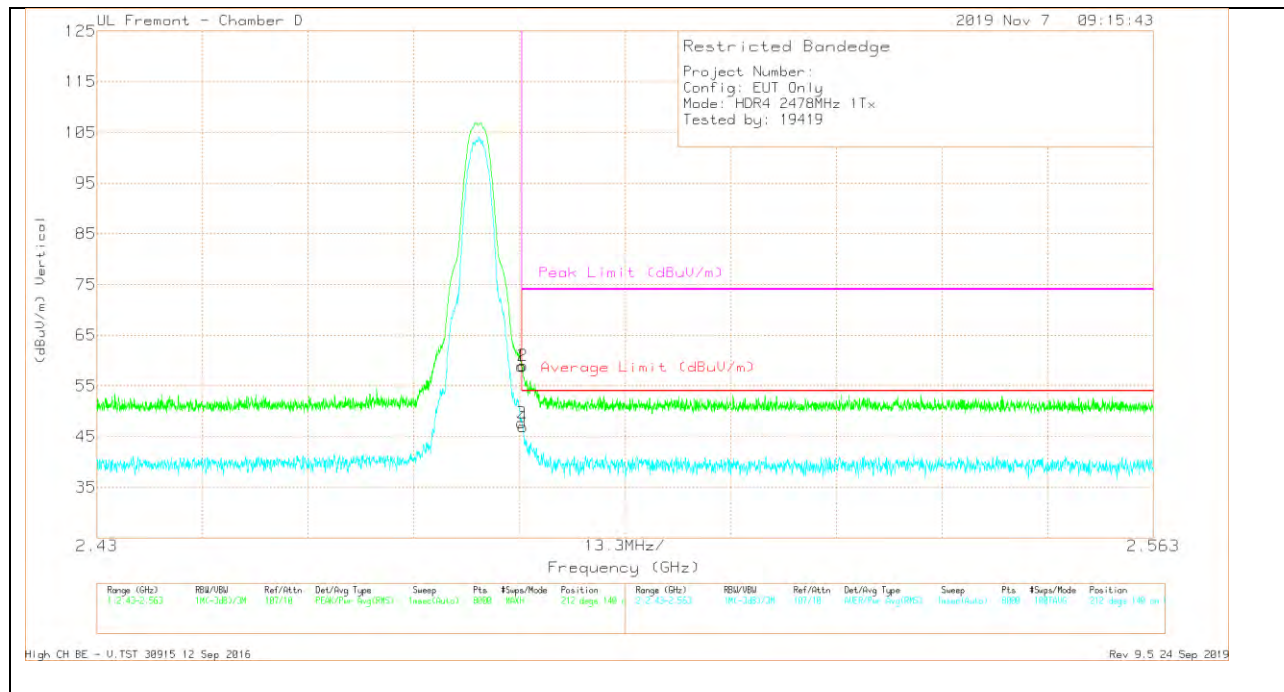
Pk - Peak detector

RMS - RMS detection

High CH BE - H.TST 30915 12 Sep 2016

Rev 9.5 24 Sep 2019

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	46.97	Pk	32.4	-20.5	58.87	-	-	74	-15.13	212	140	V
2	* 2.48361	47.07	Pk	32.4	-20.5	58.97	-	-	74	-15.03	212	140	V
3	* 2.48351	35.78	RMS	32.4	-20.5	47.68	54	-6.32	-	-	212	140	V
4	* 2.48362	35.08	RMS	32.4	-20.5	46.98	54	-7.02	-	-	212	140	V

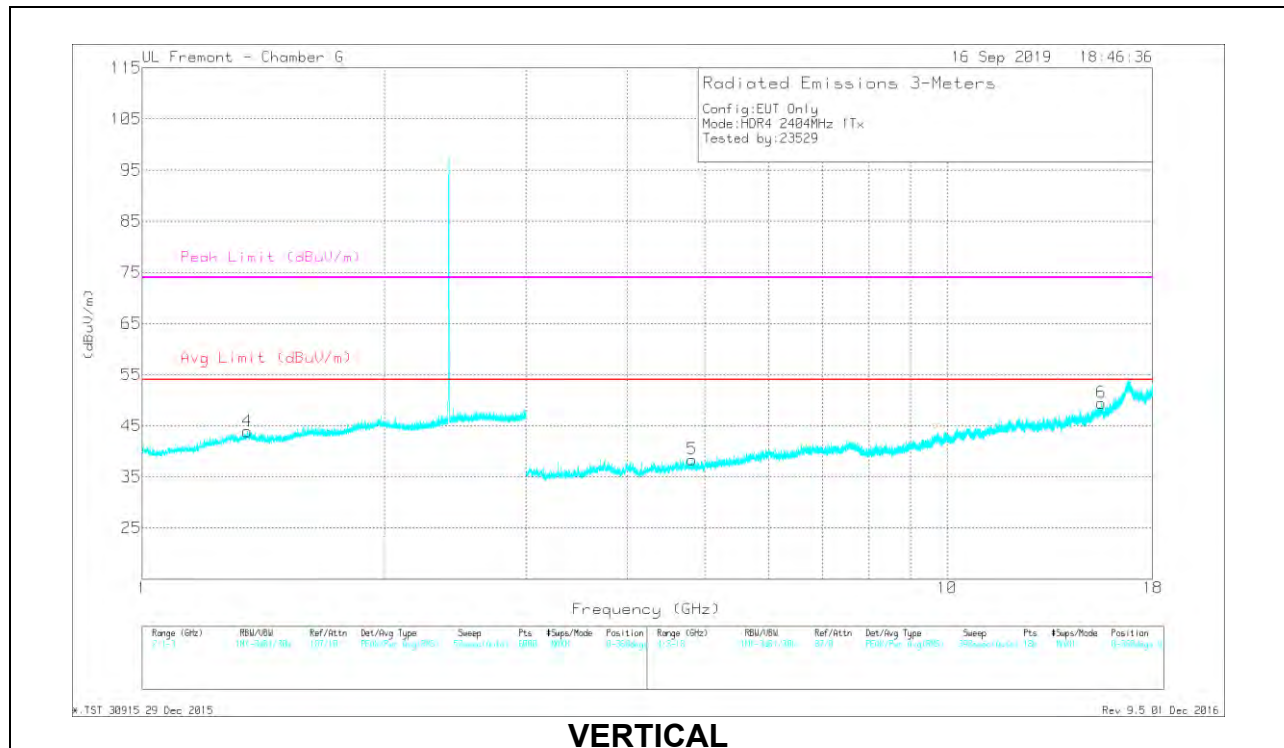
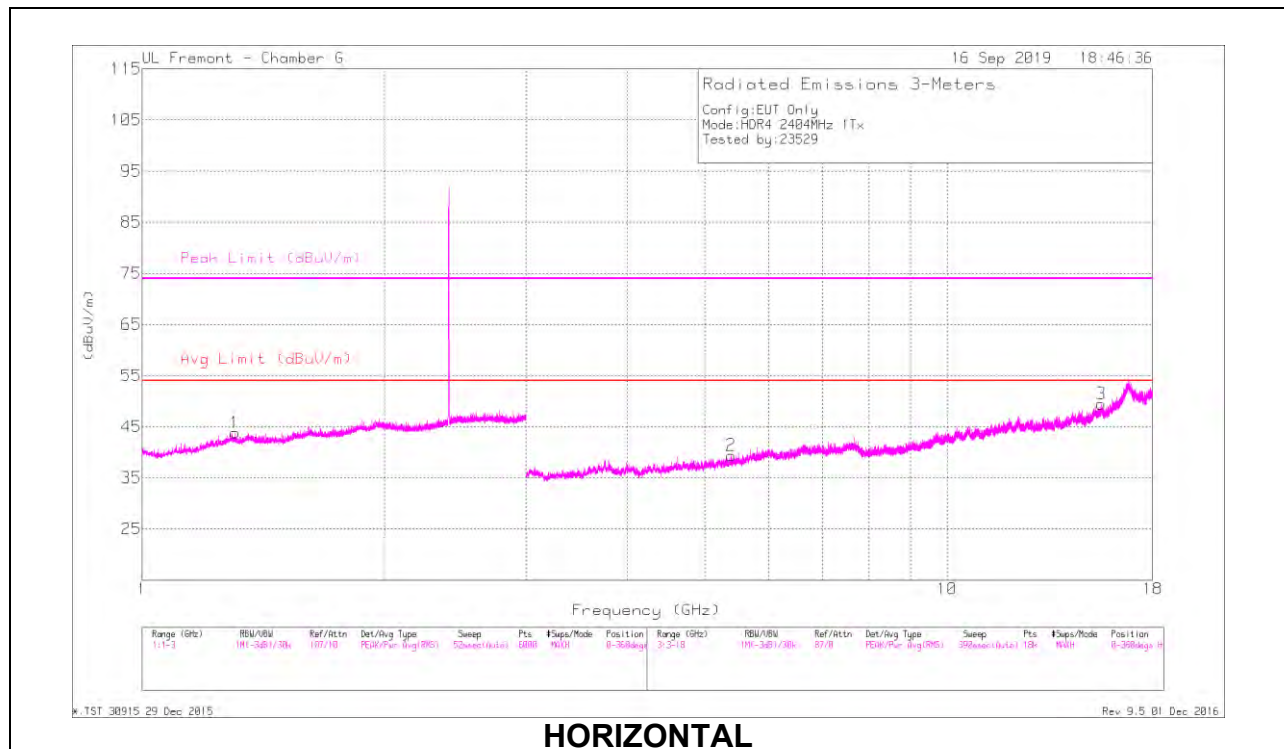
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

High CH BE - V.TST 30915 12 Sep 2016

Rev 9.5 24 Sep 2019

HARMONICS AND SPURIOUS EMISSIONS**LOW CHANNEL RESULTS**

RADIATED EMISSIONS

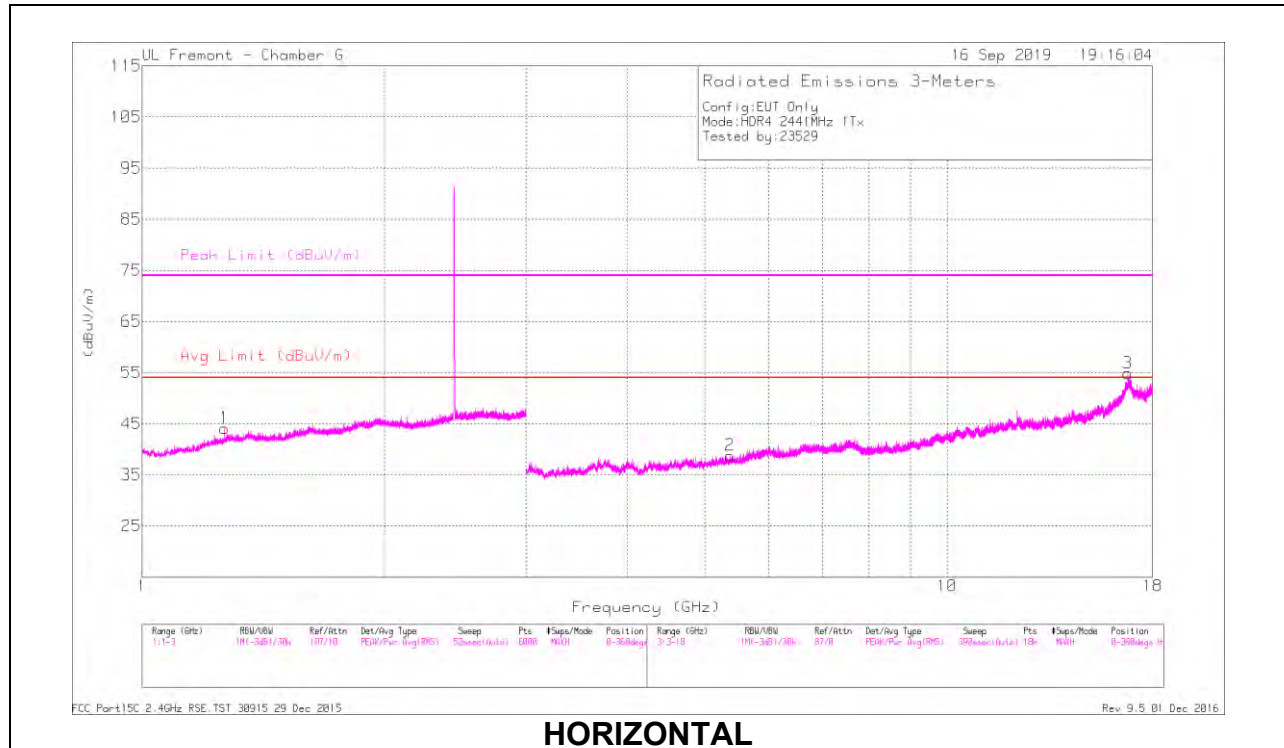
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.302	44.72	PK2	29.4	-23.5	50.62	-	-	74	-23.38	299	154	H
	* 1.304	32.53	MAv1	29.4	-23.5	38.43	54	-15.57	-	-	299	154	H
2	* 5.392	40.45	PK2	34.6	-29	46.05	-	-	74	-27.95	149	243	H
	* 5.39	29.17	MAv1	34.5	-29	34.67	54	-19.33	-	-	149	243	H
3	* 15.539	38.13	PK2	41	-22.7	56.43	-	-	74	-17.57	190	145	H
	* 15.538	26.42	MAv1	41	-22.7	44.72	54	-9.28	-	-	190	145	H
4	* 1.35	43	PK2	29.8	-23.3	49.5	-	-	74	-24.5	219	269	V
	* 1.349	31	MAv1	29.7	-23.3	37.4	54	-16.6	-	-	219	269	V
5	* 4.823	40.04	PK2	34.2	-29.8	44.44	-	-	74	-29.56	130	172	V
	* 4.823	29.1	MAv1	34.2	-29.8	33.5	54	-20.5	-	-	130	172	V
6	* 15.546	37.25	PK2	41	-22.5	55.75	-	-	74	-18.25	71	211	V
	* 15.546	26.5	MAv1	41	-22.5	45	54	-9	-	-	71	211	V

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

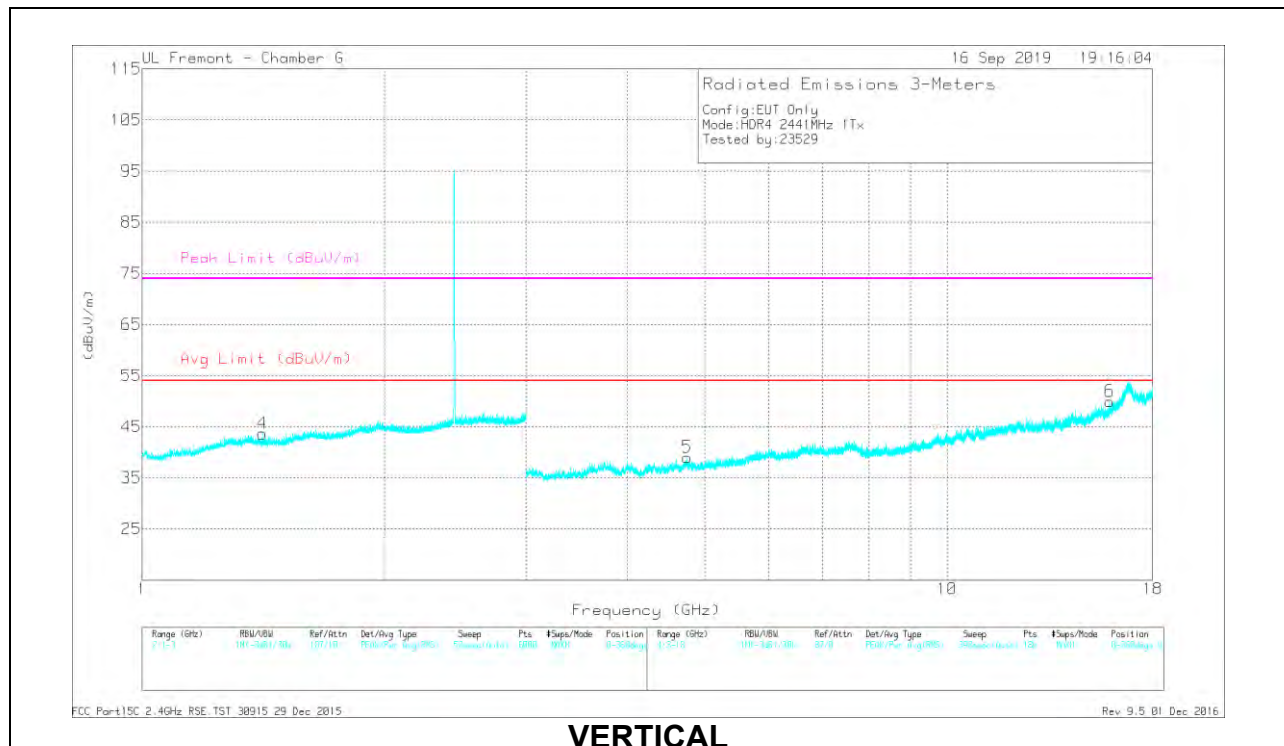
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

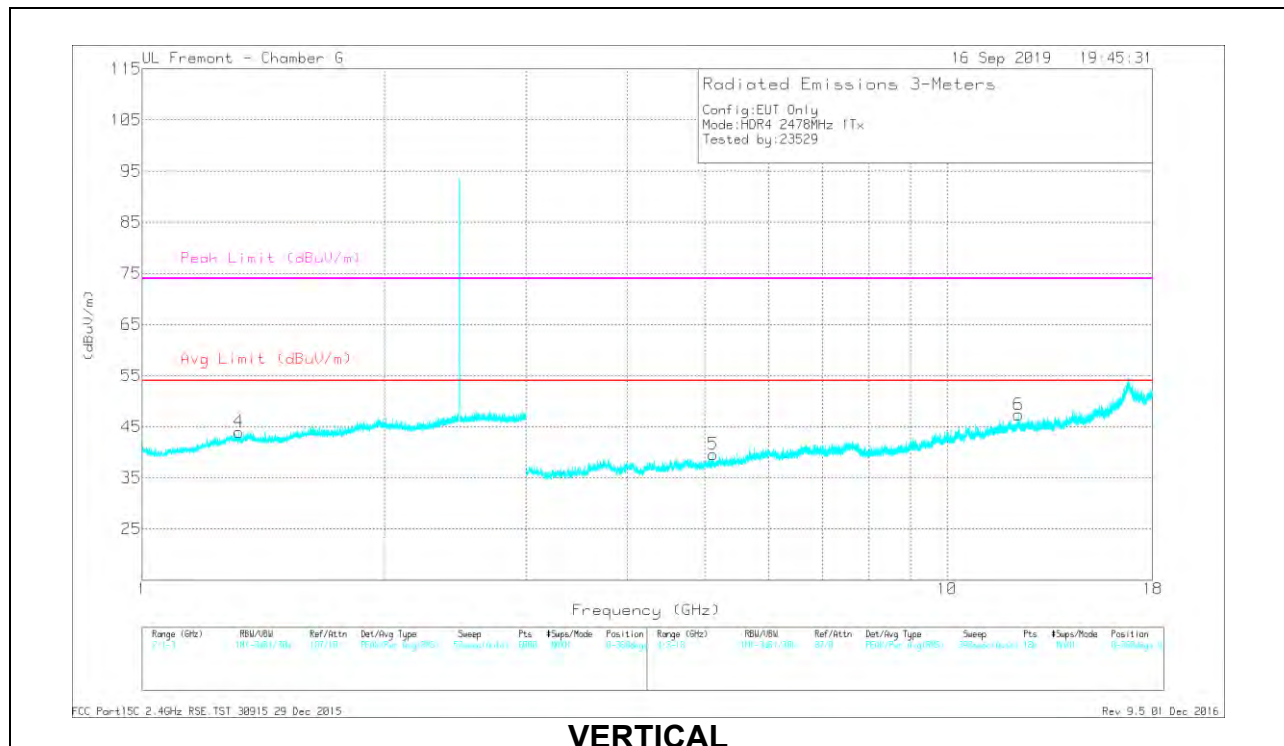
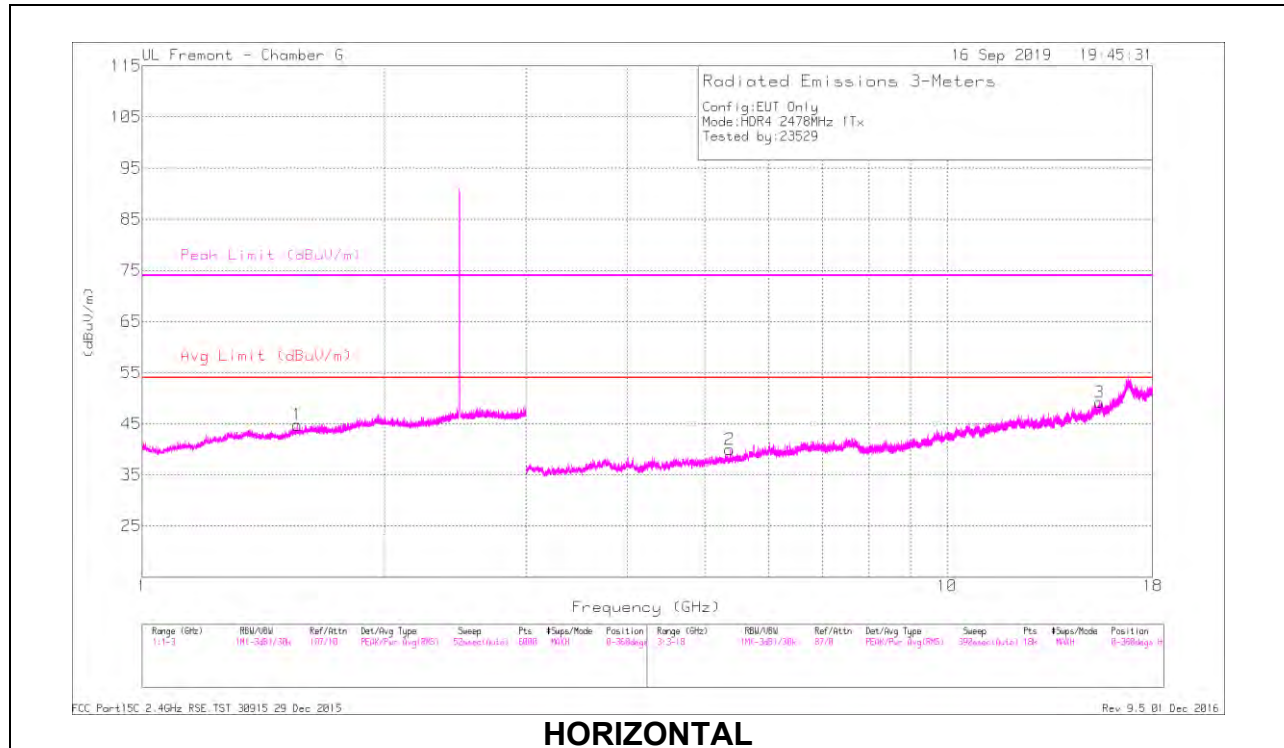
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.266	44.57	PK2	29.3	-23.6	50.27	-	-	74	-23.73	278	221	H
	* 1.267	32.79	MAv1	29.3	-23.6	38.49	54	-15.51	-	-	278	221	H
4	* 1.408	43.56	PK2	29	-22.9	49.66	-	-	74	-24.34	204	186	V
	* 1.408	32.42	MAv1	29	-22.9	38.52	54	-15.48	-	-	204	186	V
2	* 5.373	40.47	PK2	34.5	-29	45.97	-	-	74	-28.03	72	254	H
	* 5.373	29.19	MAv1	34.5	-29	34.69	54	-19.31	-	-	72	254	H
5	* 4.758	41.12	PK2	34.1	-29.5	45.72	-	-	74	-28.28	291	176	V
	* 4.76	29.78	MAv1	34	-29.6	34.18	54	-19.82	-	-	291	176	V
6	* 15.932	37.19	PK2	40.9	-21.9	56.19	-	-	74	-17.81	165	208	V
	* 15.932	26.16	MAv1	40.9	-21.9	45.16	54	-8.84	-	-	165	208	V
3	16.766	36.11	PK2	41.8	-18.2	59.71	-	-	74	- 14.29	166	302	H

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.56	43.81	PK2	28.5	-21.4	50.91	-	-	74	-23.09	142	185	H
	* 1.559	32.34	MAv1	28.6	-21.4	39.54	54	-14.46	-	-	142	185	H
2	* 5.371	40.36	PK2	34.5	-29	45.86	-	-	74	-28.14	199	232	H
	* 5.37	29.46	MAv1	34.6	-29	35.06	54	-18.94	-	-	199	232	H
3	* 15.46	36.89	PK2	41.1	-23.1	54.89	-	-	74	-19.11	238	326	H
	* 15.458	26.23	MAv1	41.1	-23.1	44.23	54	-9.77	-	-	238	326	H
4	* 1.317	44.11	PK2	29.3	-23.5	49.91	-	-	74	-24.09	262	172	V
	* 1.318	32.52	MAv1	29.3	-23.5	38.32	54	-15.68	-	-	262	172	V
5	* 5.122	40.13	PK2	34.4	-29.5	45.03	-	-	74	-28.97	118	352	V
	* 5.121	29.25	MAv1	34.4	-29.5	34.15	54	-19.85	-	-	118	352	V
6	* 12.272	36.7	PK2	38.9	-22.2	53.4	-	-	74	-20.6	44	277	V
	* 12.269	25.27	MAv1	38.9	-22.2	41.97	54	-12.03	-	-	44	277	V

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

PK2 - KDB558074 Method: Maximum Peak

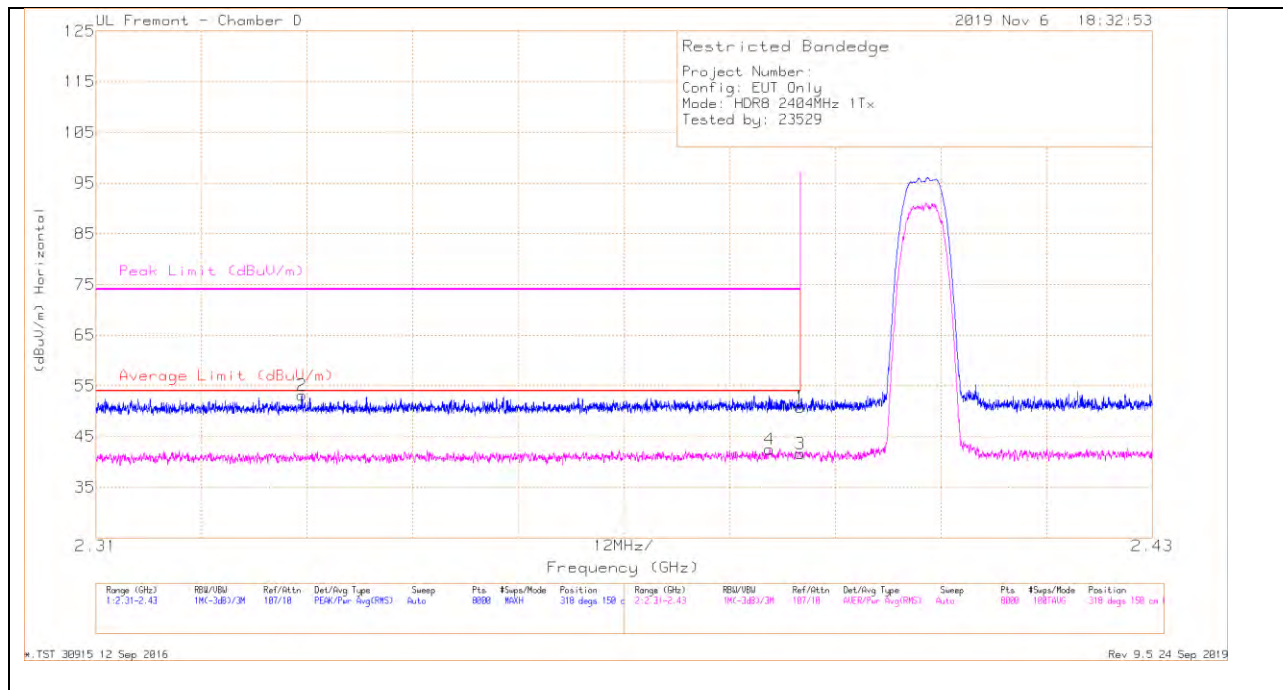
MAv1 - KDB558074 Option 1 Maximum RMS Average

9.2.4. LOW POWER HDR (HDR8)

UAT1

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Fitr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.33337	41.95	Pk	31.8	-20.6	53.15	-	-	74	-20.85	318	150	H
4	* 2.38654	31.1	RMS	32	-20.6	42.5	54	-11.5	-	-	318	150	H
1	* 2.38999	39.24	Pk	32	-20.5	50.74	-	-	74	-23.26	318	150	H
3	* 2.38999	30.13	RMS	32	-20.5	41.63	54	-12.37	-	-	318	150	H

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

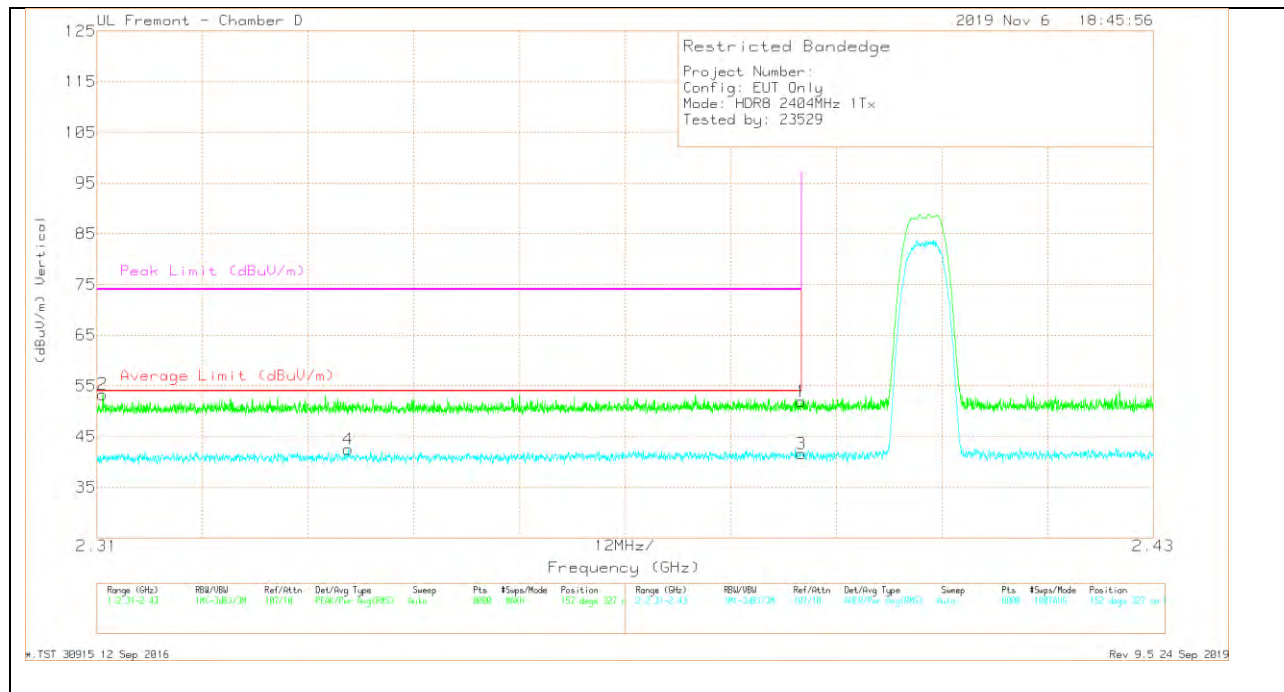
Pk - Peak detector

RMS - RMS detection

*.TST 30915 12 Sep 2016

Rev 9.5 24 Sep 2019

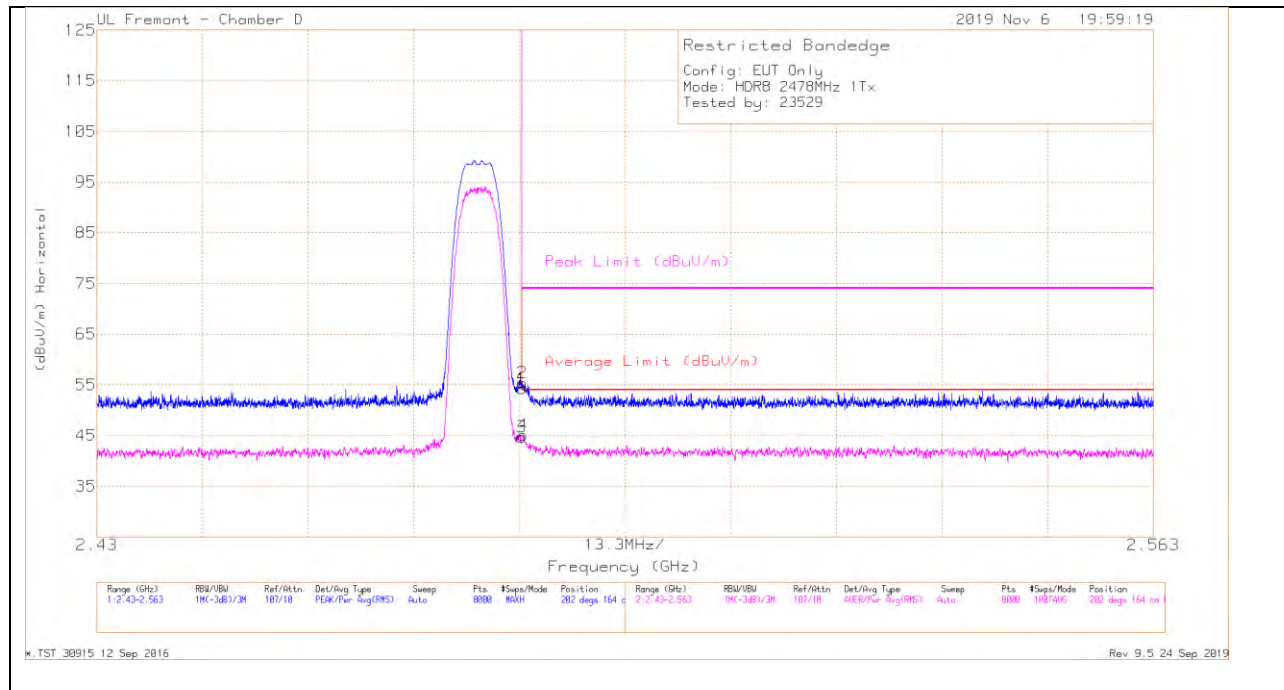
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cb/Filtr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.31066	42.23	Pk	31.7	-20.6	53.33	-	-	74	-20.67	152	327	V
4	* 2.33858	31.25	RMS	31.8	-20.6	42.45	54	-11.55	-	-	152	327	V
1	* 2.38999	40.43	Pk	32	-20.5	51.93	-	-	74	-22.07	152	327	V
3	* 2.38999	30.1	RMS	32	-20.5	41.6	54	-12.4	-	-	152	327	V

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

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

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	42.41	Pk	32.4	-20.5	54.31	-	-	74	-19.69	202	164	H
3	* 2.48351	32.79	RMS	32.4	-20.5	44.69	54	-9.31	-	-	202	164	H
2	* 2.48354	43.45	Pk	32.4	-20.5	55.35	-	-	74	-18.65	202	164	H
4	* 2.48361	33.12	RMS	32.4	-20.5	45.02	54	-8.98	-	-	202	164	H

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

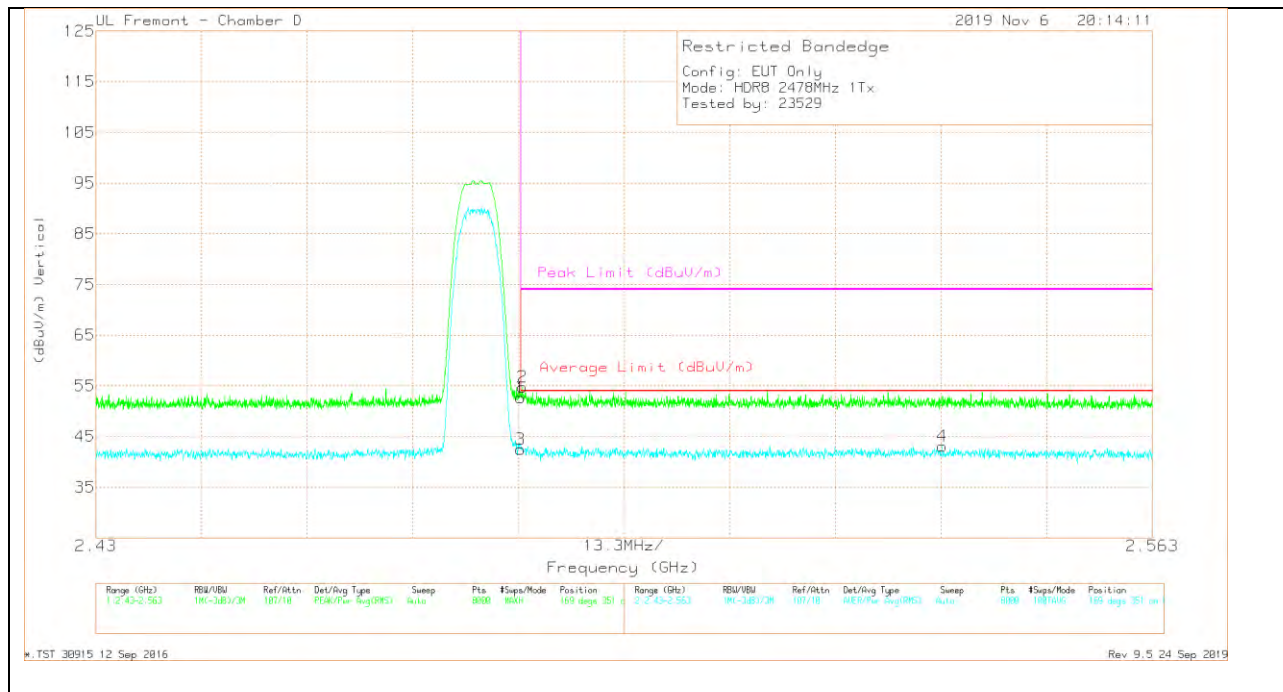
Pk - Peak detector

RMS - RMS detection

* TST 30915 12 Sep 2016

Rev 9.5 24 Sep 2019

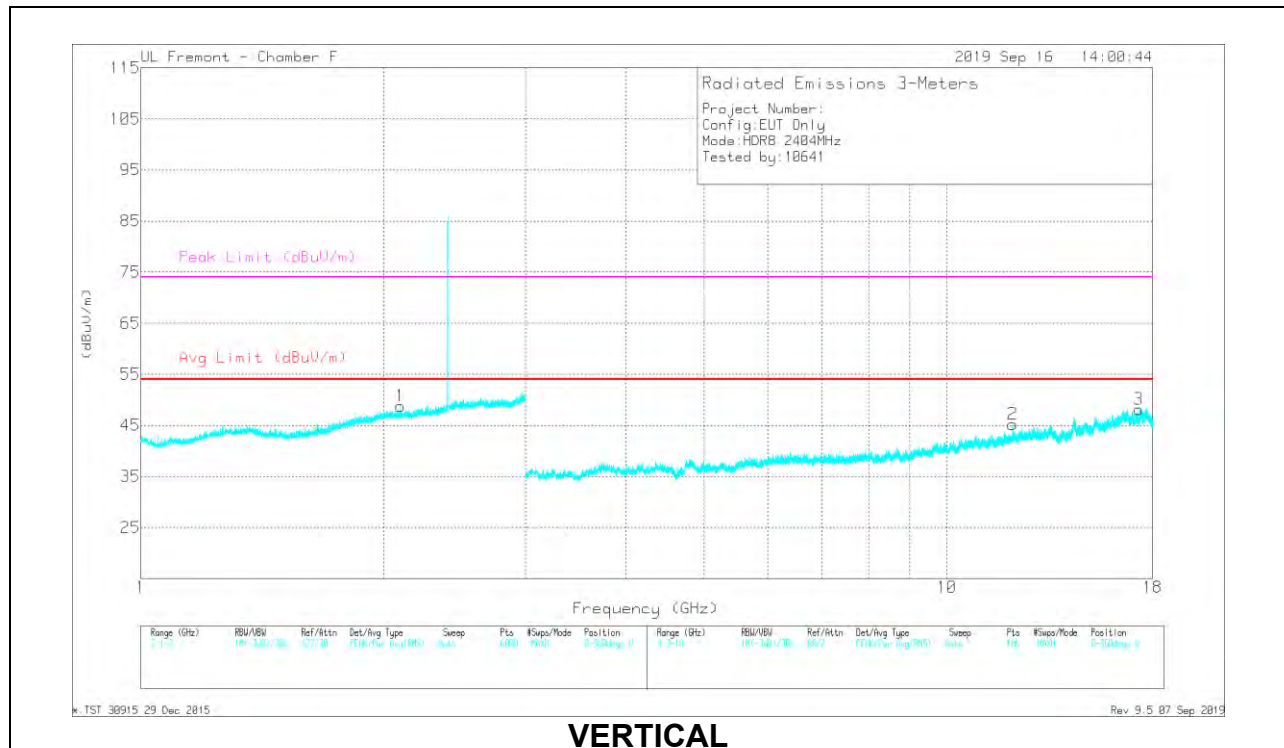
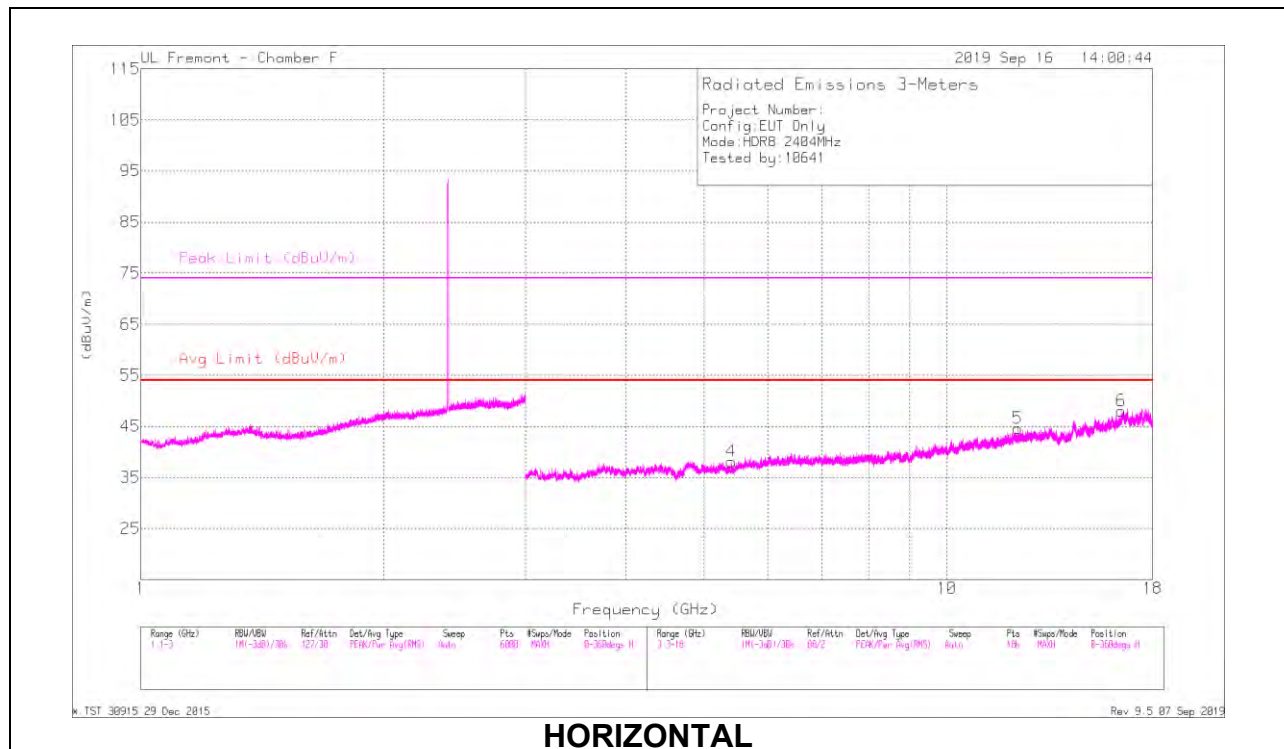
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cb/Filtr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	40.7	Pk	32.4	-20.5	52.6	-	-	74	-21.4	169	351	V
3	* 2.48351	30.62	RMS	32.4	-20.5	42.52	54	-11.48	-	-	169	351	V
2	* 2.48369	42.91	Pk	32.4	-20.5	54.81	-	-	74	-19.19	169	351	V
4	2.53656	31.18	RMS	32.2	-20.3	43.08	54	-10.92	-	-	169	351	V

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

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

HARMONICS AND SPURIOUS EMISSIONS**LOW CHANNEL RESULTS**

RADIATED EMISSIONS

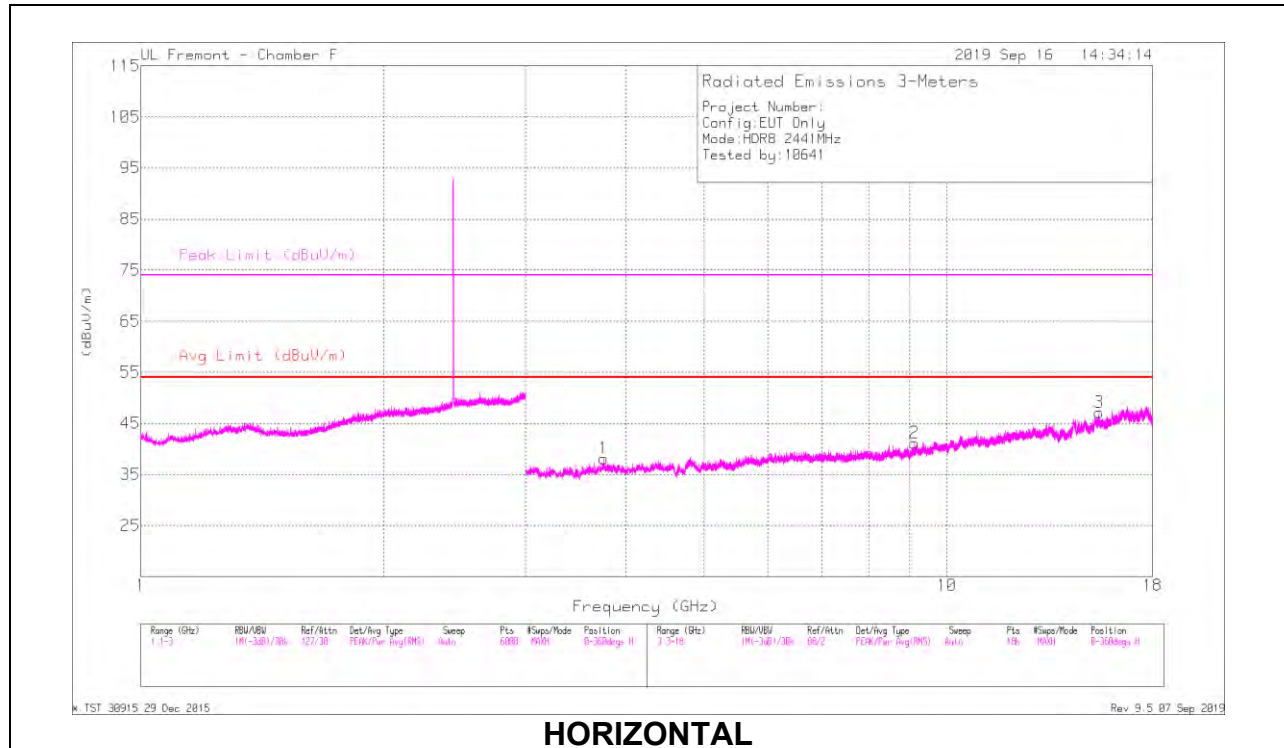
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT345 (dB/m)	Amp/Cbl/Ftr/P ad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.09691	59.7	PK2	31.4	-36.5	54.6	-	-	74	-19.4	189	176	V
4	* 5.40465	52.03	PK2	34.5	-42.8	43.73	-	-	74	-30.27	43	111	H
	* 5.40467	41.22	MAv1	34.5	-42.8	32.92	54	-21.08	-	-	43	111	H
5	* 12.25178	50.26	PK2	39.2	-39.2	50.26	-	-	74	-23.74	124	140	H
	* 12.25099	38.95	MAv1	39.1	-39.2	38.85	54	-15.15	-	-	124	140	H
6	16.44868	49.93	PK2	41.4	-37.8	53.53	-	-	74	-24.07	158	201	H
2	* 12.07494	50	PK2	39	-38.9	50.1	-	-	74	-23.9	154	168	V
	* 12.07349	38.98	MAv1	38.9	-38.9	38.98	54	-15.02	-	-	154	168	V
3	17.28599	50.26	PK2	41.3	-37.9	53.66	-	-	74	-20.34	124	219	V

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

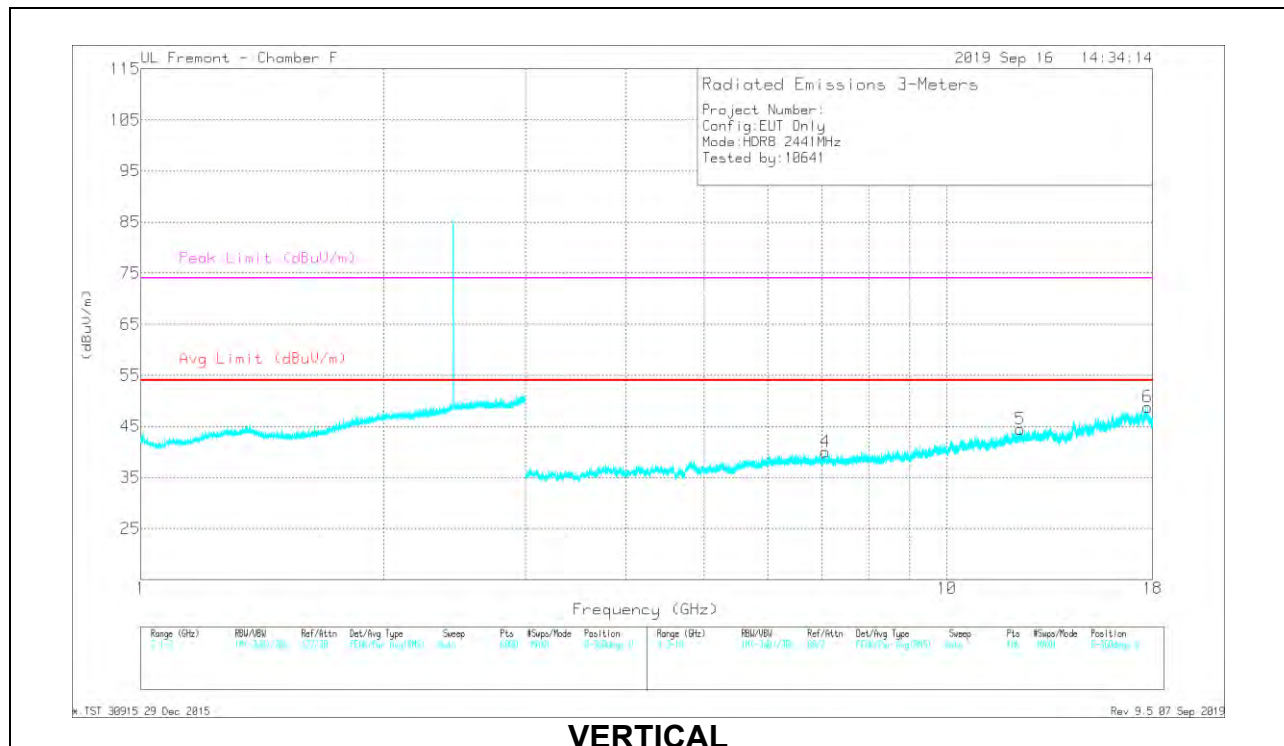
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

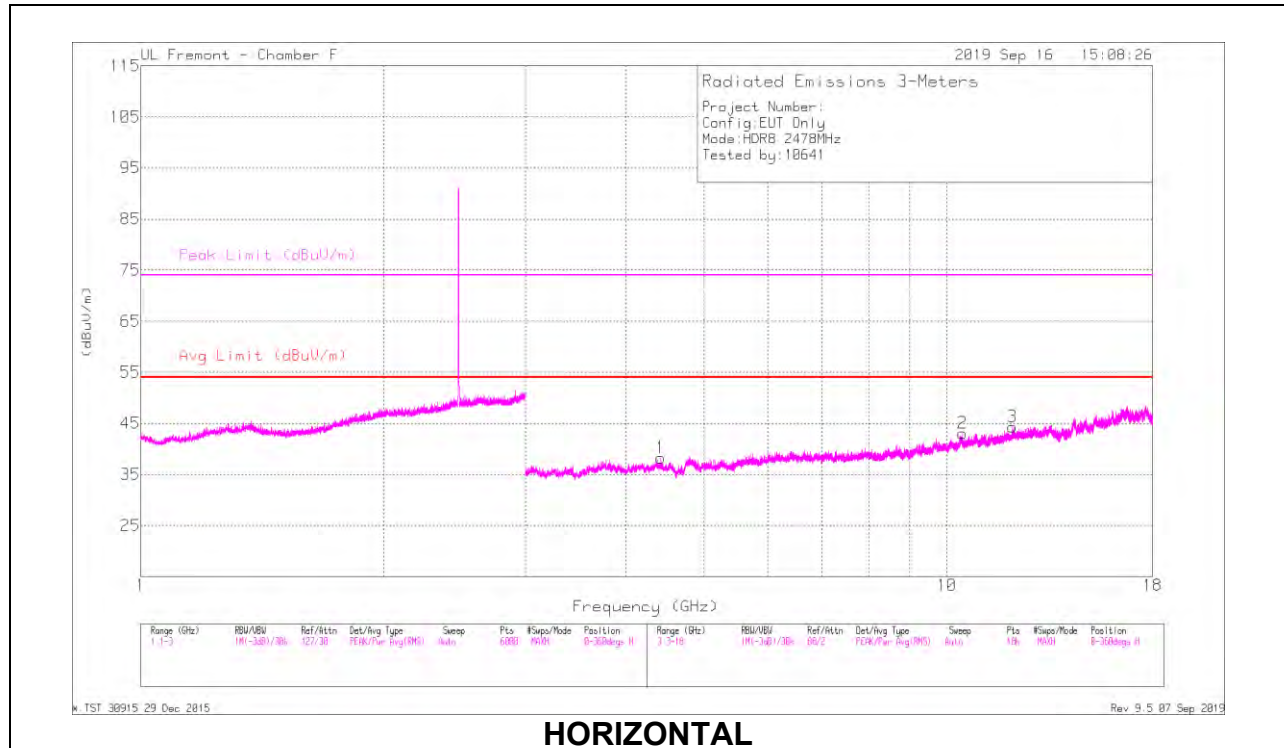
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT345 (dB/m)	Ampl/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.7534	54.07	PK2	33.4	-43.6	43.87	-	-	74	-30.13	129	115	H
	* 3.75386	43.06	MAv1	33.4	-43.6	32.86	54	-21.14	-	-	129	115	H
2	* 9.11892	51.21	PK2	36.3	-39.7	47.81	-	-	74	-26.19	139	150	H
	* 9.11996	39.64	MAv1	36.3	-39.7	36.24	54	-17.76	-	-	139	150	H
3	* 15.45781	50.49	PK2	40.4	-38.2	52.69	-	-	74	-21.31	187	167	H
	* 15.45559	39.86	MAv1	40.4	-38.2	42.06	54	-11.94	-	-	187	167	H
5	* 12.33988	50.67	PK2	39.1	-38.9	50.87	-	-	74	-23.13	214	194	V
	* 12.33664	39.25	MAv1	39.1	-38.9	39.45	54	-14.55	-	-	214	194	V
6	* 17.74265	51.64	PK2	41.5	-37.6	55.54	-	-	74	-18.46	200	218	V
	* 17.74387	39.9	MAv1	41.5	-37.6	43.9	54	-10.1	-	-	200	218	V
4	7.06943	51.85	PK2	35.7	-40.9	46.65	-	-	74	-27.35	183	231	V

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

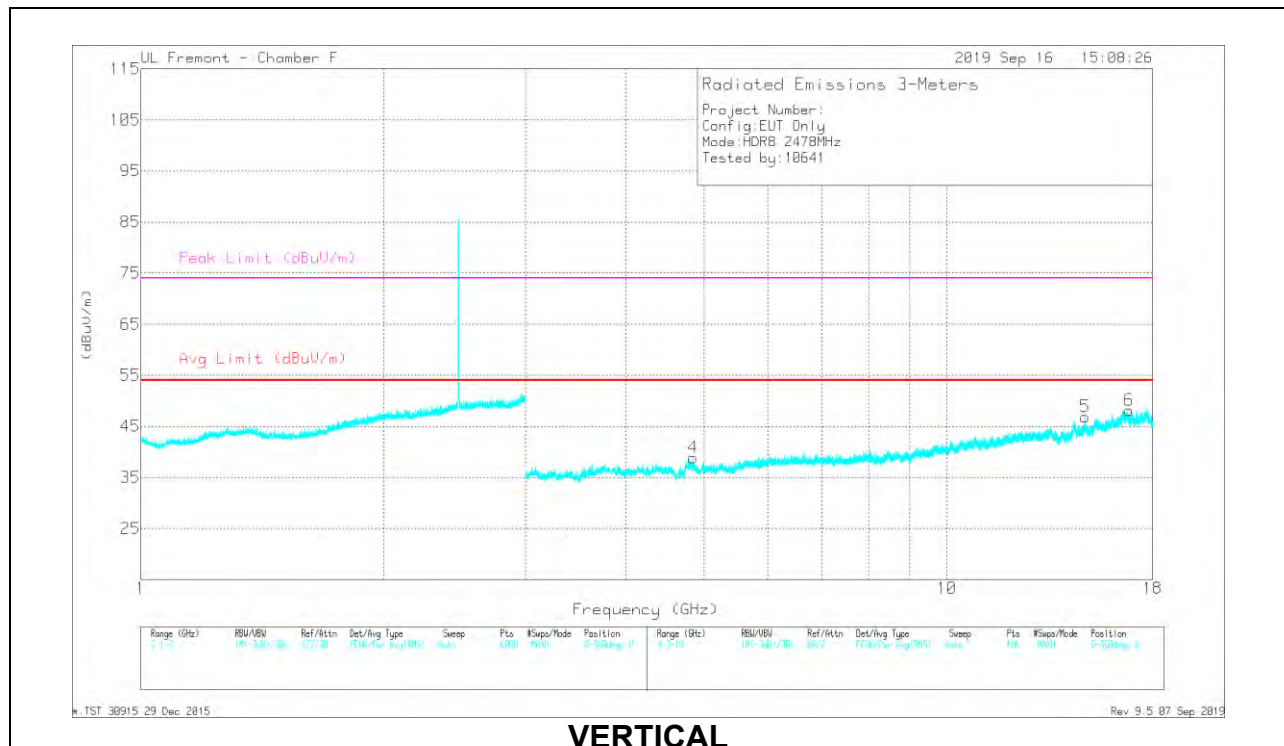
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

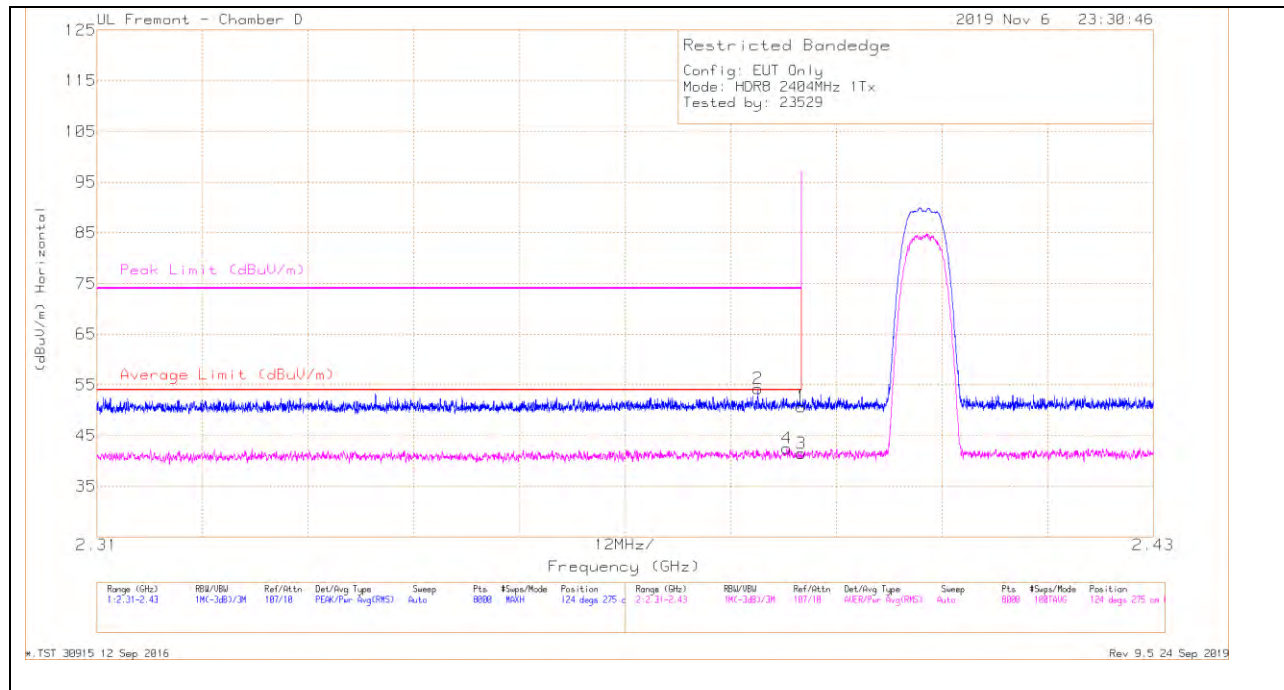
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT345 (dB/m)	Ampl/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	4.41673	54.3	PK2	33.8	-44	44.1	-	-	74	-29.9	360	100	H
2	10.45384	50.48	PK2	37.7	-39	49.18	-	-	74	-24.82	320	115	H
3	* 12.06549	49.87	PK2	38.9	-38.9	49.87	-	-	74	-24.13	245	168	H
	* 12.06577	39.21	MAv1	38.9	-38.9	39.21	54	-14.79	-	-	245	168	H
5	14.84259	50.11	PK2	39.7	-37.3	52.51	-	-	74	-21.49	305	136	V
6	16.82858	50.46	PK2	41.8	-38.4	53.86	-	-	74	-20.14	278	152	V
4	* 4.84798	54.36	PK2	34.2	-43.7	44.86	-	-	74	-29.14	183	181	V
	* 4.84585	42.94	MAv1	34.2	-43.7	33.44	54	-20.56	-	-	183	181	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

LAT 3**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	39.14	Pk	32	-20.5	50.64	-	-	74	-23.36	124	275	H
2	* 2.38509	42.81	Pk	32	-20.6	54.21	-	-	74	-19.79	124	275	H
3	* 2.38999	30.01	RMS	32	-20.5	41.51	54	-12.49	-	-	124	275	H
4	* 2.38839	31.02	RMS	32	-20.5	42.52	54	-11.48	-	-	124	275	H

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

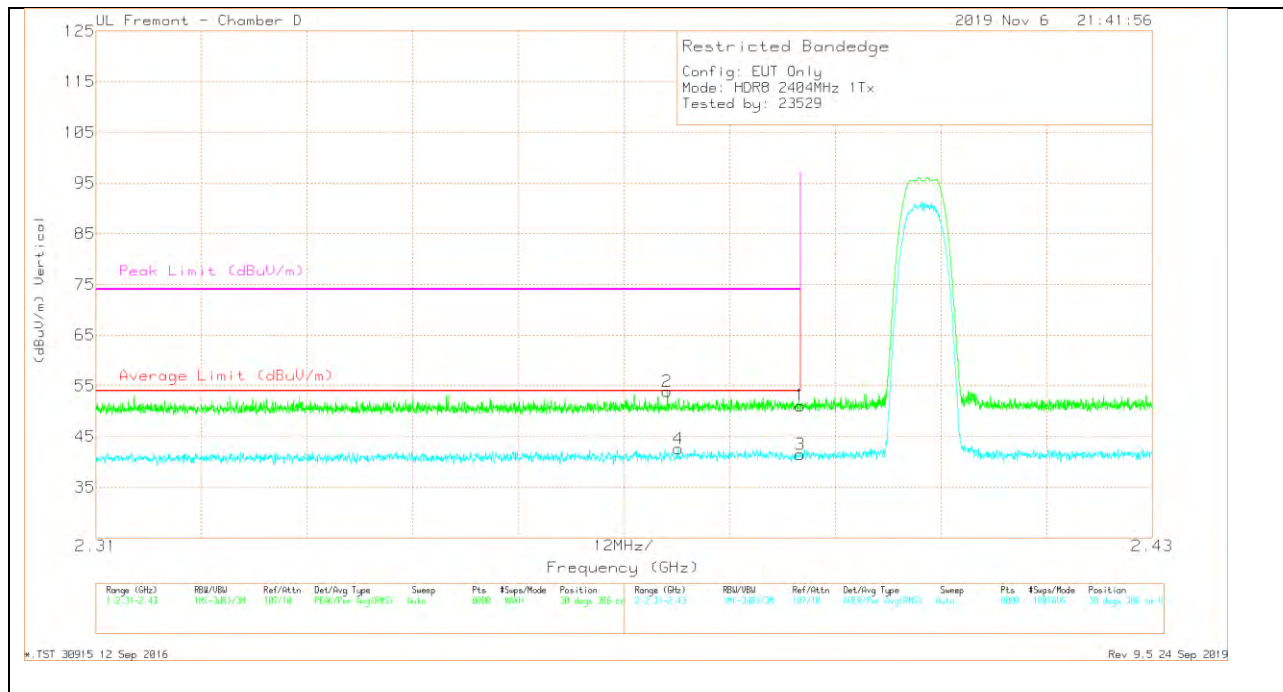
Pk - Peak detector

RMS - RMS detection

*.TST 30915 12 Sep 2016

Rev 9.5 24 Sep 2019

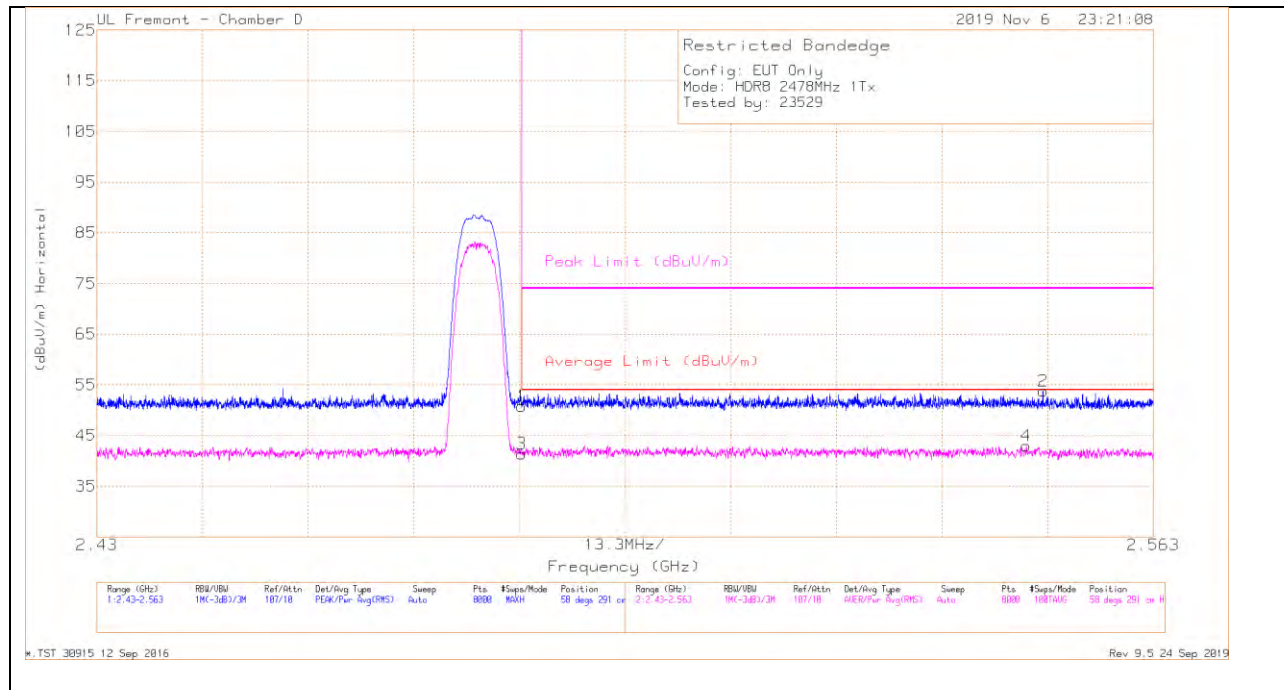
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cb/Filtr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.3749	42.45	Pk	31.9	-20.5	53.85	-	-	74	-20.15	30	386	V
4	* 2.37614	31.18	RMS	31.9	-20.5	42.58	54	-11.42	-	-	30	386	V
1	* 2.38999	39.6	Pk	32	-20.5	51.1	-	-	74	-22.9	30	386	V
3	* 2.38999	29.95	RMS	32	-20.5	41.45	54	-12.55	-	-	30	386	V

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

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

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cb/Filt/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	38.89	PK	32.4	-20.5	50.79	-	-	74	-23.21	58	291	H
3	* 2.48351	29.51	RMS	32.4	-20.5	41.41	54	-12.59	-	-	58	291	H
4	2.54702	31.17	RMS	32.1	-20.3	42.97	54	-11.03	-	-	58	291	H
2	2.54912	41.98	PK	32.1	-20.3	53.78	-	-	74	-20.22	58	291	H

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

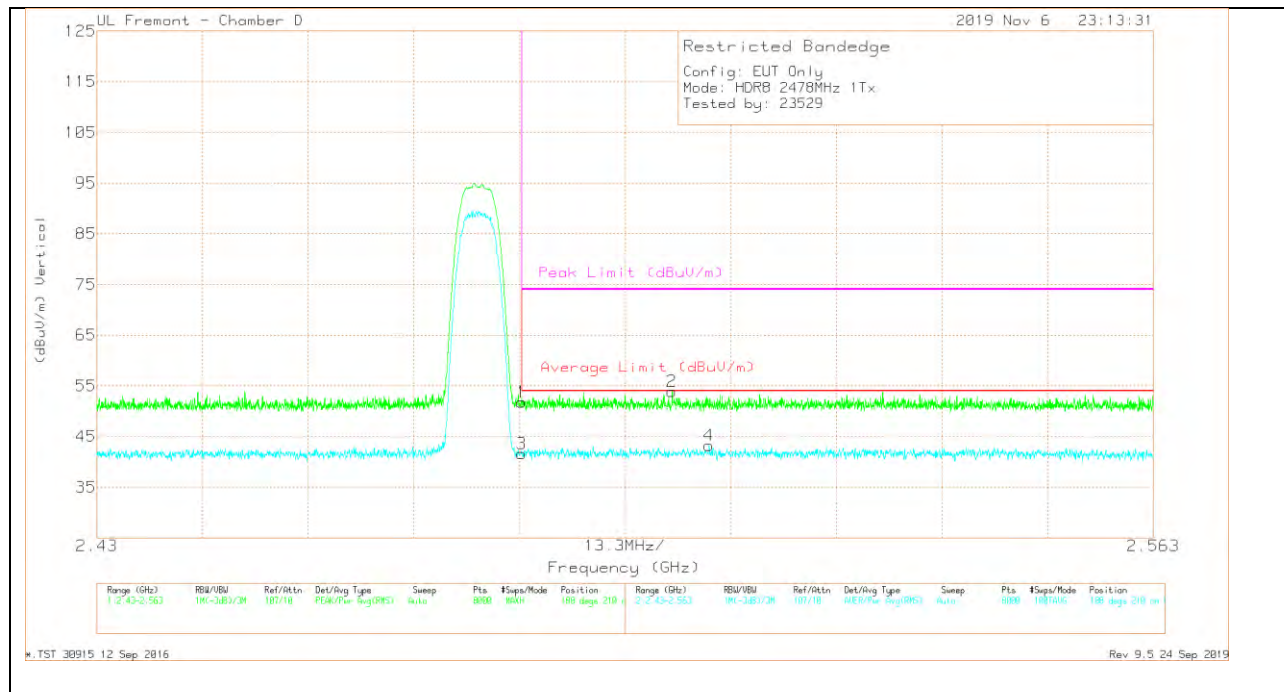
PK - Peak detector

RMS - RMS detection

* TST 30915 12 Sep 2016

Rev 9.5 24 Sep 2019

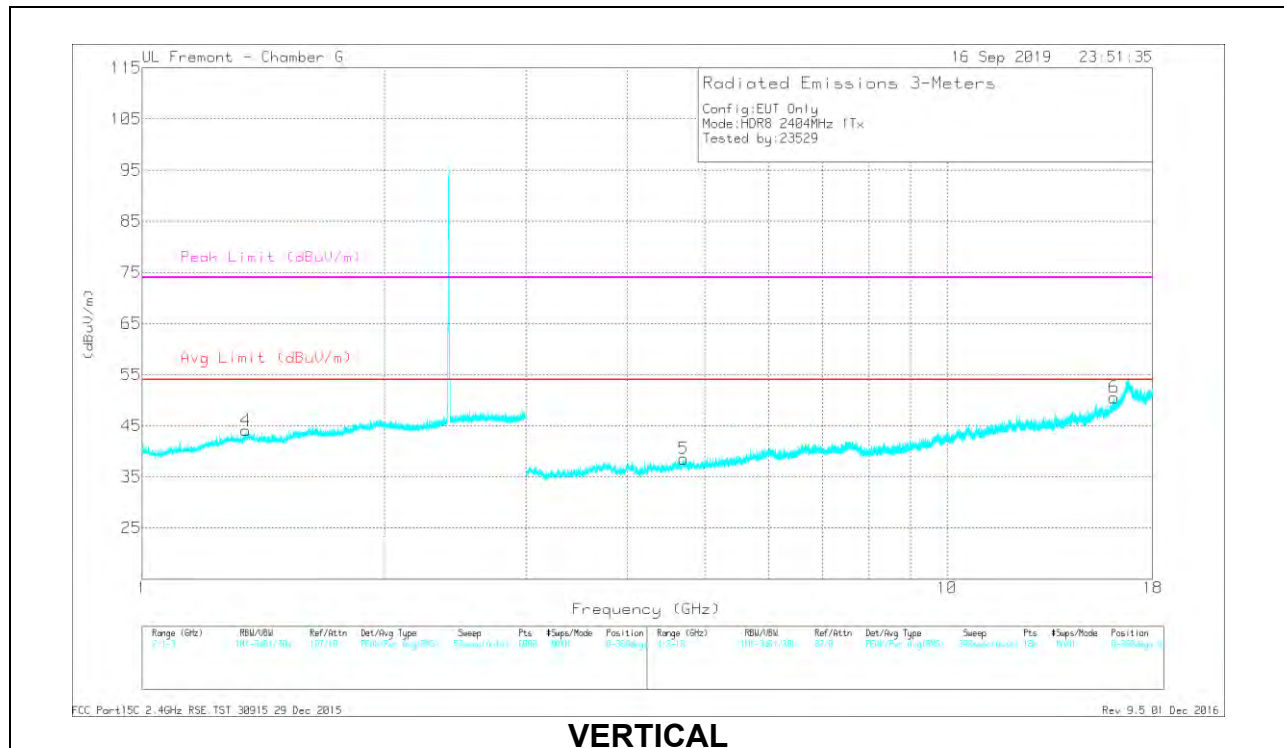
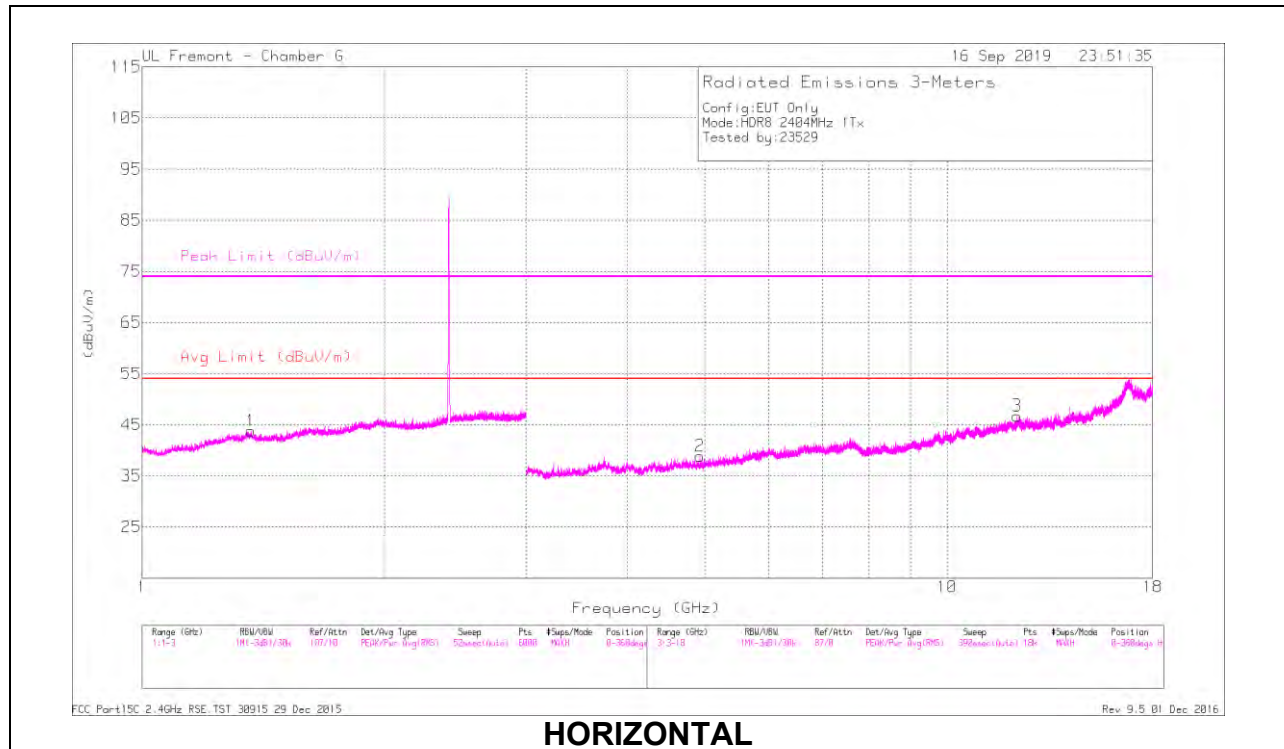
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cb/Filtr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	39.84	Pk	32.4	-20.5	51.74	-	-	74	-22.26	188	210	V
3	* 2.48351	29.74	RMS	32.4	-20.5	41.64	54	-12.36	-	-	188	210	V
2	2.50241	42.12	Pk	32.3	-20.5	53.92	-	-	74	-20.08	188	210	V
4	2.50707	31.35	RMS	32.3	-20.4	43.25	54	-10.75	-	-	188	210	V

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

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

HARMONICS AND SPURIOUS EMISSIONS**LOW CHANNEL RESULTS**

RADIATED EMISSIONS

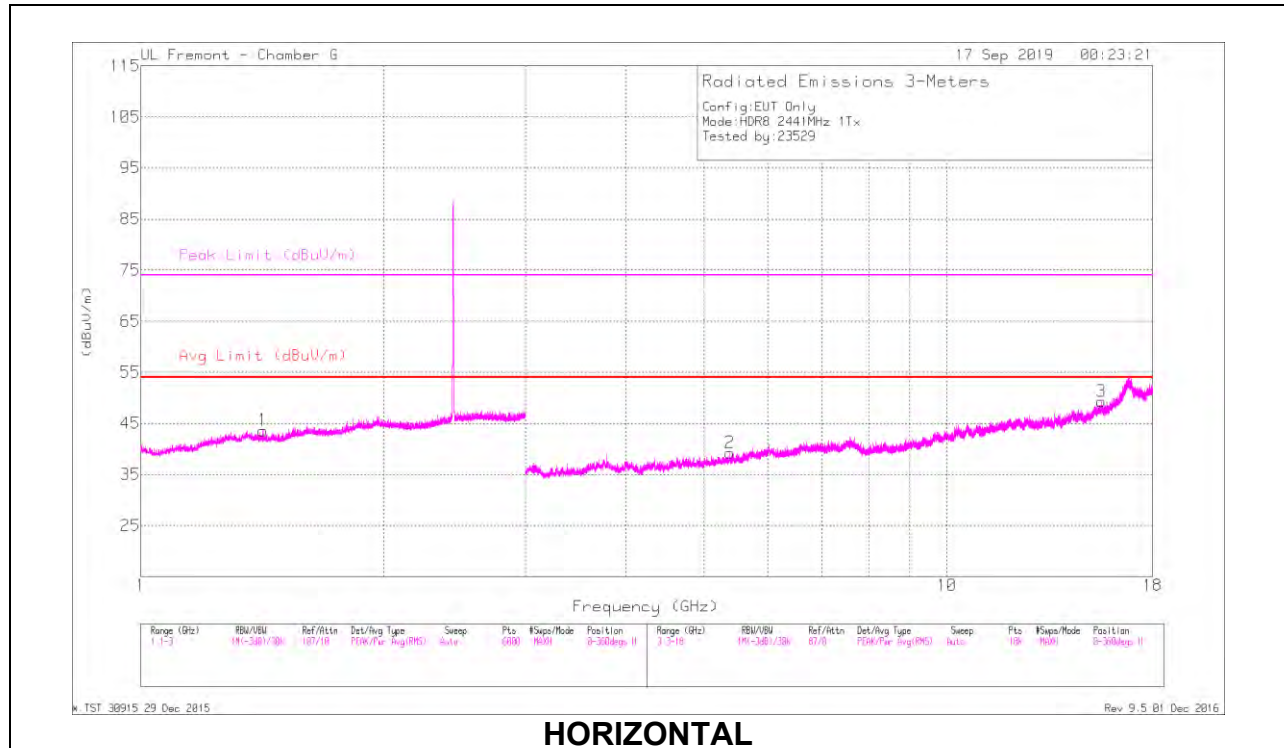
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.366	44.16	PK2	29.8	-23.2	50.76	-	-	74	-23.24	98	129	H
	* 1.362	32.65	MAv1	29.7	-23.2	39.15	54	-14.85	-	-	98	129	H
2	* 4.934	40.8	PK2	33.9	-29.6	45.1	-	-	74	-28.9	340	148	H
	* 4.935	29.81	MAv1	33.9	-29.6	34.11	54	-19.89	-	-	340	148	H
3	* 12.223	37.24	PK2	39	-22.3	53.94	-	-	74	-20.06	269	206	H
	* 12.223	25.48	MAv1	39	-22.3	42.18	54	-11.82	-	-	269	206	H
4	* 1.347	44.25	PK2	29.7	-23.3	50.65	-	-	74	-23.35	171	143	V
	* 1.347	32.64	MAv1	29.7	-23.3	39.04	54	-14.96	-	-	171	143	V
5	* 16.129	35.51	PK2	41.2	-21.6	55.11	-	-	74	-18.89	175	189	V
	* 16.131	24.88	MAv1	41.3	-21.5	44.68	54	-9.32	-	-	175	189	V
6	* 4.71	41.38	PK2	34	-29.5	45.88	-	-	74	-28.12	230	221	V
	* 4.708	30.26	MAv1	34	-29.4	34.86	54	-19.14	-	-	230	221	V

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

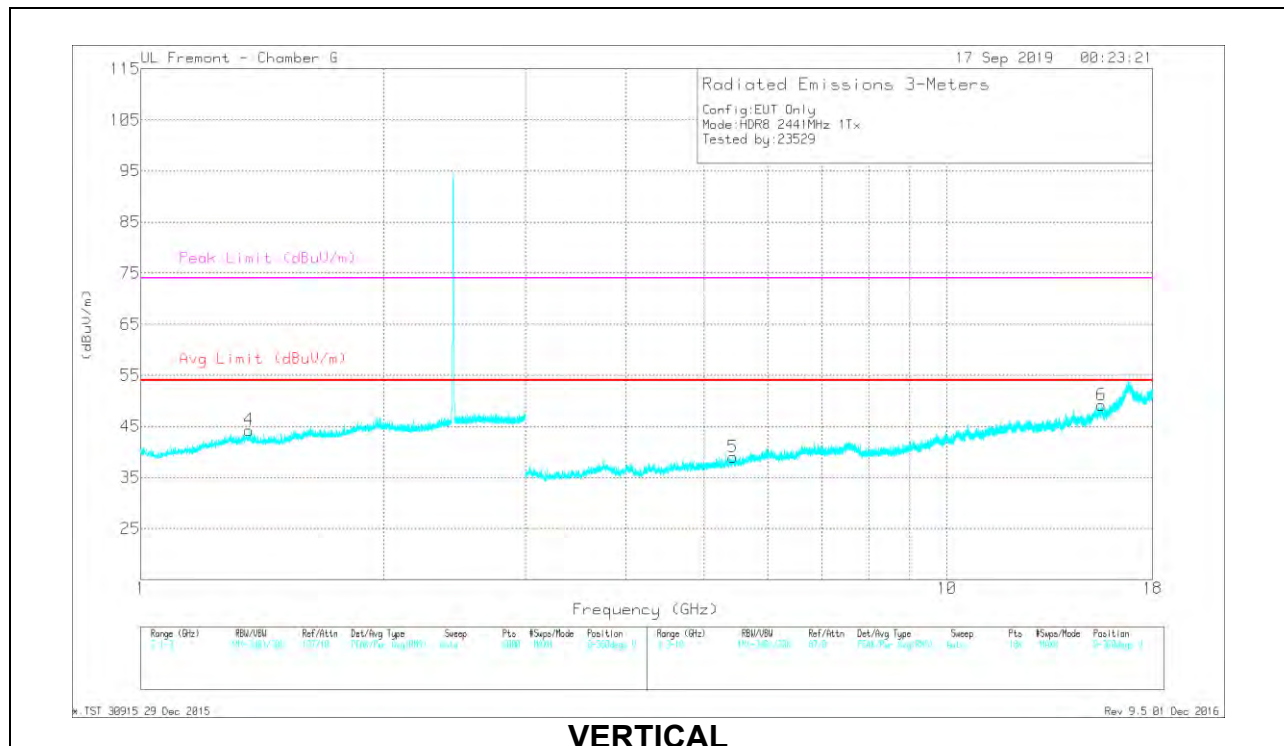
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

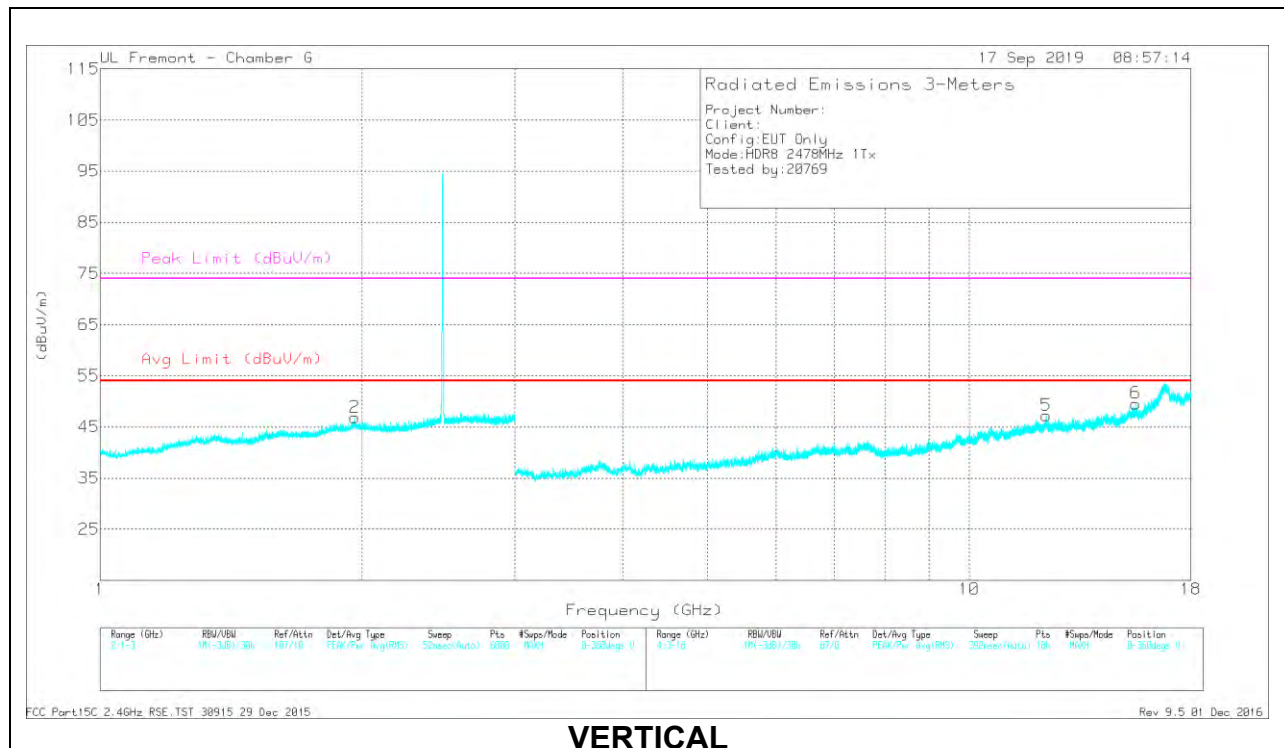
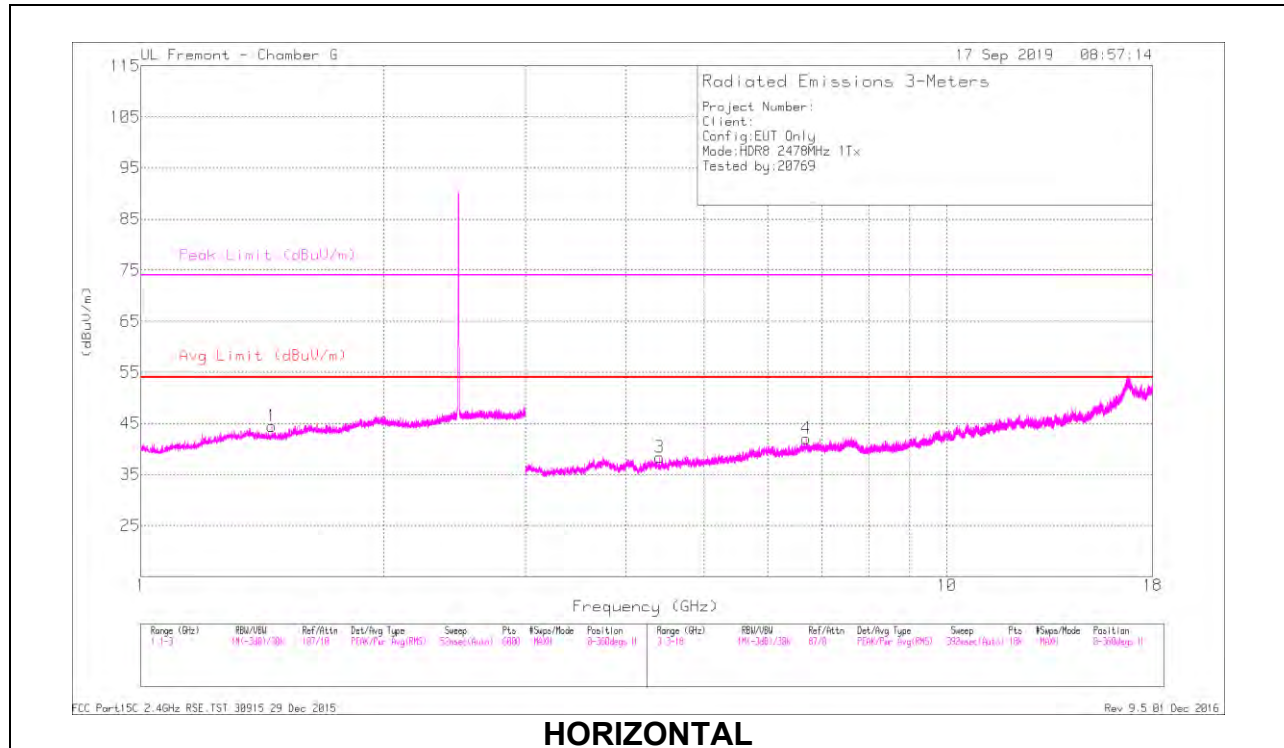
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.419	44.03	PK2	29	-22.9	50.13	-	-	74	-23.87	215	178	H
	* 1.418	32.23	MAv1	29	-22.9	38.33	54	-15.67	-	-	215	178	H
2	* 5.379	40.67	PK2	34.6	-29	46.27	-	-	74	-27.73	178	197	H
	* 5.379	29.52	MAv1	34.6	-29	35.12	54	-18.88	-	-	178	197	H
3	* 15.551	37.22	PK2	41	-22.5	55.72	-	-	74	-18.28	177	254	H
	* 15.551	26.26	MAv1	41	-22.5	44.76	54	-9.24	-	-	177	254	H
4	* 1.362	43.29	PK2	29.7	-23.2	49.79	-	-	74	-24.21	262	141	V
	* 1.361	32	MAv1	29.7	-23.3	38.4	54	-15.6	-	-	262	141	V
5	* 5.431	40.62	PK2	34.6	-29.1	46.12	-	-	74	-27.88	115	202	V
	* 5.431	29.61	MAv1	34.6	-29.1	35.11	54	-18.89	-	-	115	202	V
6	* 15.548	37.27	PK2	41	-22.5	55.77	-	-	74	-18.23	238	242	V
	* 15.549	26.41	MAv1	41	-22.5	44.91	54	-9.09	-	-	238	242	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.454	44.18	PK2	28.7	-22.5	50.38	-	-	74	-23.62	304	350	H
	* 1.455	32.06	MAv1	28.7	-22.5	38.26	54	-15.74	-	-	304	350	H
5	* 12.272	36.12	PK2	38.9	-22.2	52.82	-	-	74	-21.18	359	300	V
	* 12.274	24.79	MAv1	39	-22.2	41.59	54	-12.41	-	-	359	300	V
6	* 15.559	37.6	PK2	41	-22.6	56	-	-	74	-18	34	208	V
	* 15.557	25.8	MAv1	41	-22.6	44.2	54	-9.8	-	-	34	208	V
2	1.963	43.99	PK2	32.1	-22.6	53.49	-	-	-	-	279	391	V
3	4.405	40.99	PK2	33.6	-29.9	44.69	-	-	-	-	242	228	H
4	6.695	40.11	PK2	36.5	-28.3	48.31	-	-	-	-	329	229	H

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

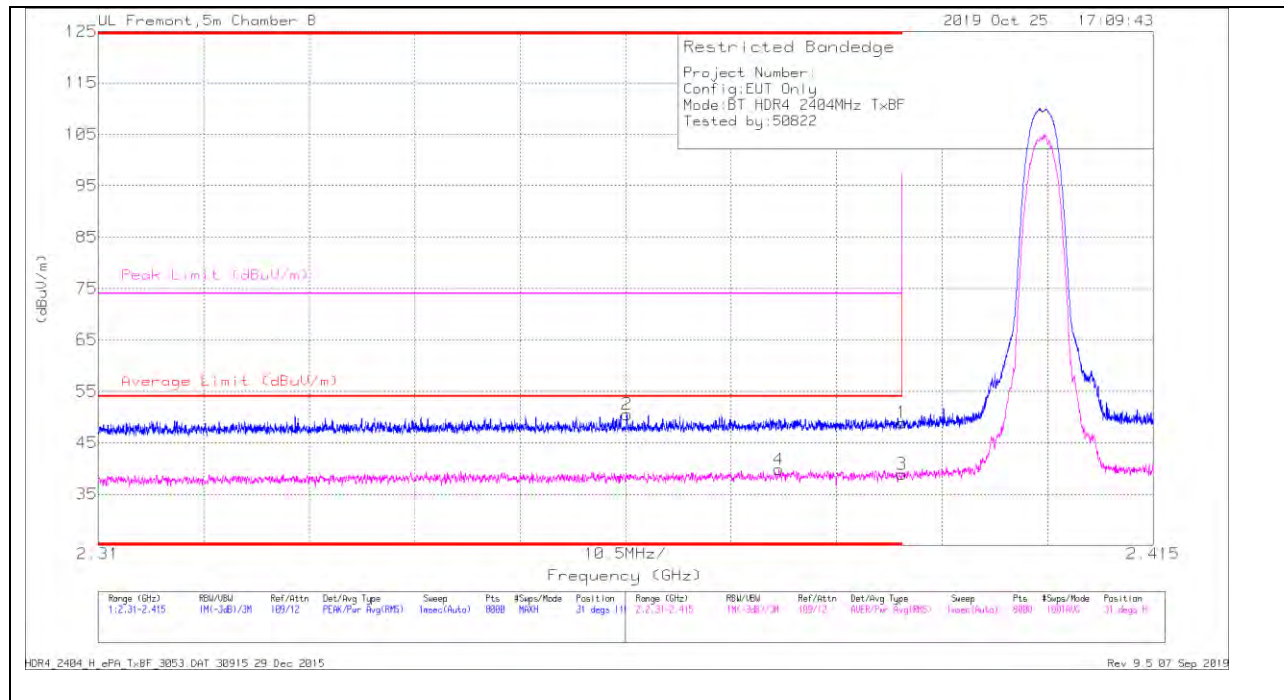
PK2 - KDB558074 Method: Maximum Peak

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 PRE0194893 (dB/m)	Amp/Cbl/Filtr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	37.5	Pk	30.3	-18.9	48.9	-	-	74	-25.1	31	118	H
2	* 2.36263	39.42	Pk	30.1	-19	50.52	-	-	74	-23.48	31	118	H
3	* 2.39	27.48	RMS	30.3	-18.9	38.88	54	-15.12	-	-	31	118	H
4	* 2.37775	28.43	RMS	30.2	-18.8	39.83	54	-14.17	-	-	31	118	H

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

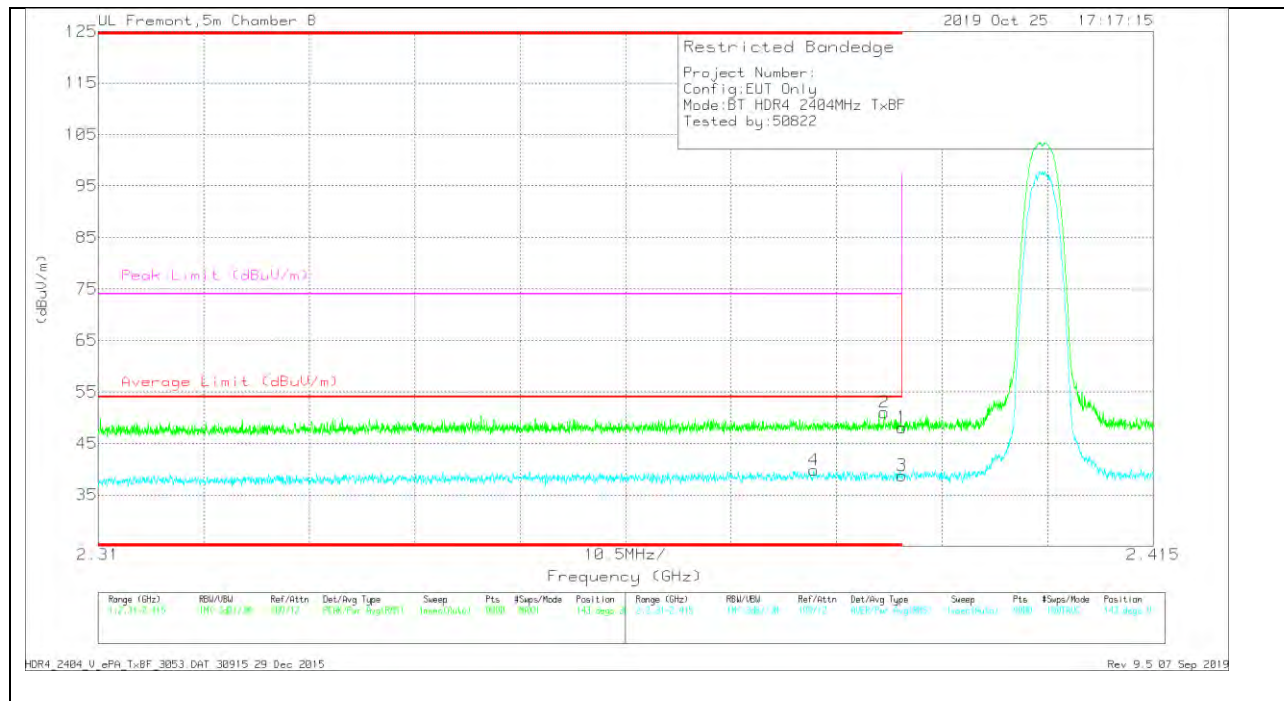
Pk - Peak detector

RMS - RMS detection

HDR4_2404_H_ePA_TxBF_3053.DAT 30915 29 Dec 2015

Rev 9.5 07 Sep 2019

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0194893 (dB/m)	Amp/Cbl/Filtr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	36.69	Pk	30.3	-18.9	48.09	-	-	74	-25.91	143	365	V
2	* 2.38824	39.61	Pk	30.3	-18.9	51.01	-	-	74	-22.99	143	365	V
3	* 2.39	27.37	RMS	30.3	-18.9	38.77	54	-15.23	-	-	143	365	V
4	* 2.38121	28.42	RMS	30.2	-18.8	39.82	54	-14.18	-	-	143	365	V

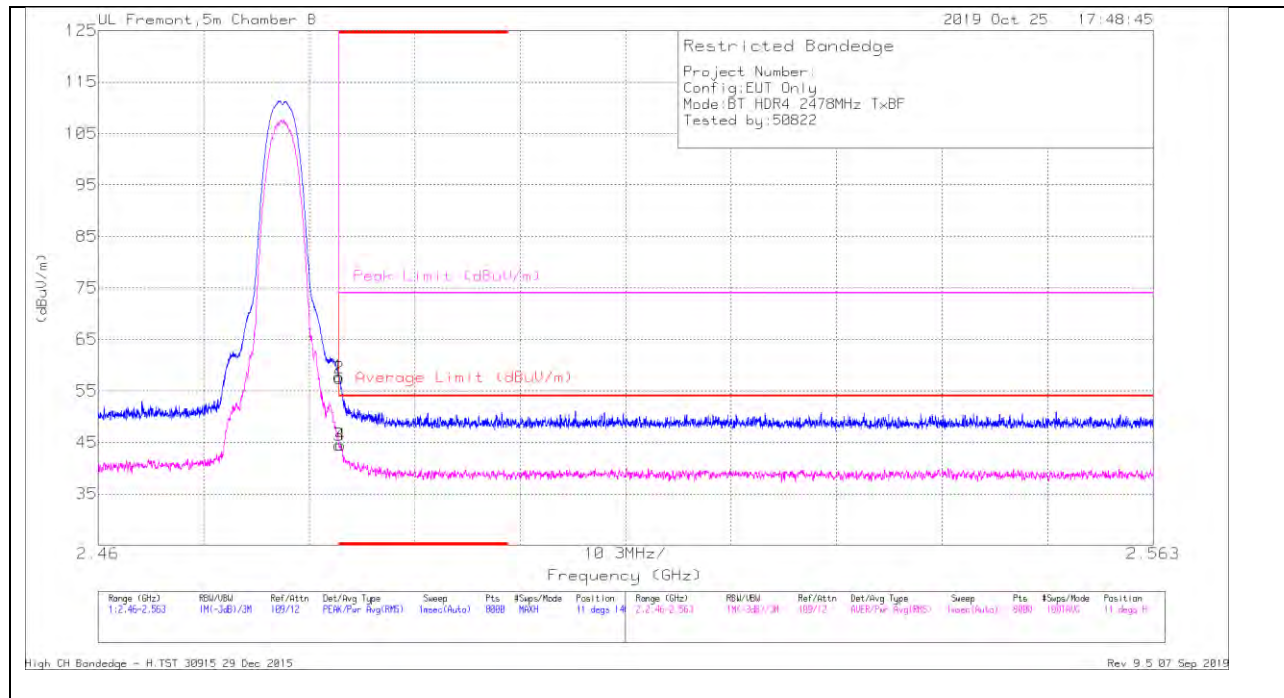
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HDR4_2404_V_ePA_TxBF_3053.DAT 30915 29 Dec 2015

Rev 9.5 07 Sep 2019

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

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

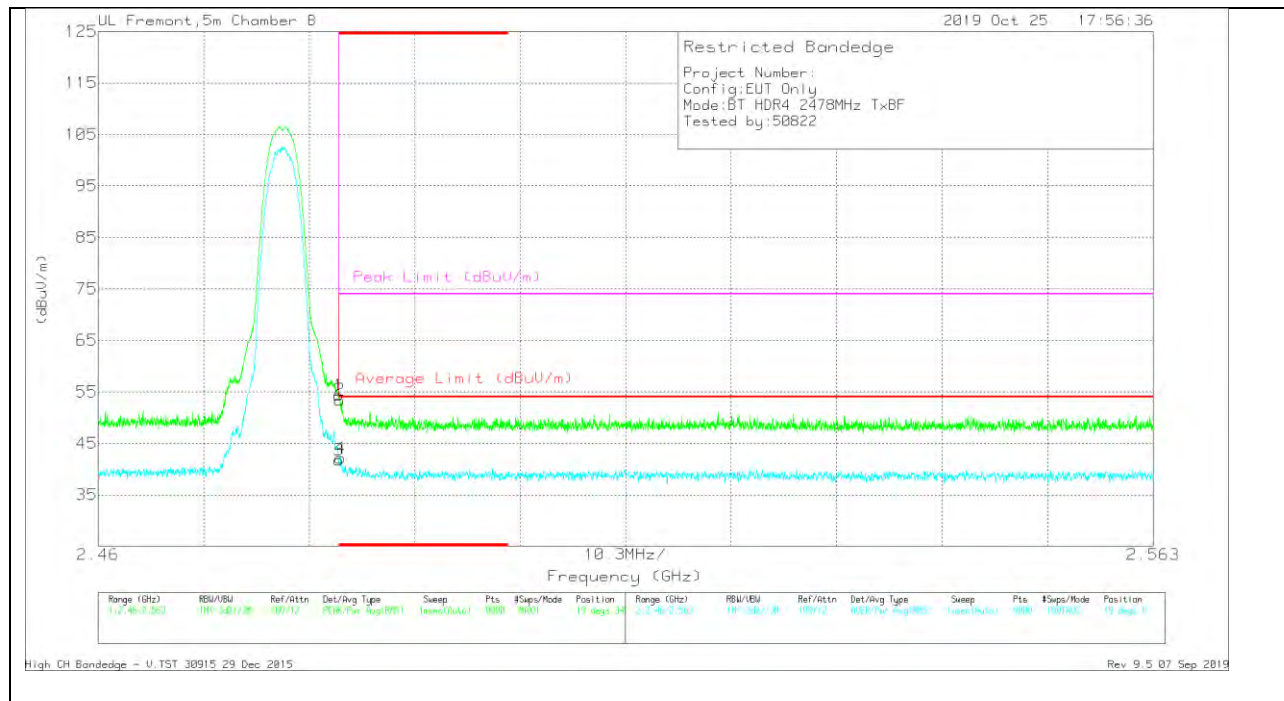
Pk - Peak detector

RMS - RMS detection

High CH Bandedge - H.TST 30915 29 Dec 2015

Rev 9.5 07 Sep 2019

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0194893 (dB/m)	Amp/Cbl/Filt/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degr)	Height (cm)	Polarity
1	* 2.4835	43.07	Pk	30.2	-18.9	54.37	-	-	74	-19.63	19	345	V
2	* 2.48359	42.13	Pk	30.2	-18.9	53.43	-	-	74	-20.57	19	345	V
3	* 2.4835	30.45	RMS	30.2	-18.9	41.75	54	-12.25	-	-	19	345	V
4	* 2.48366	30.84	RMS	30.2	-18.9	42.14	54	-11.86	-	-	19	345	V

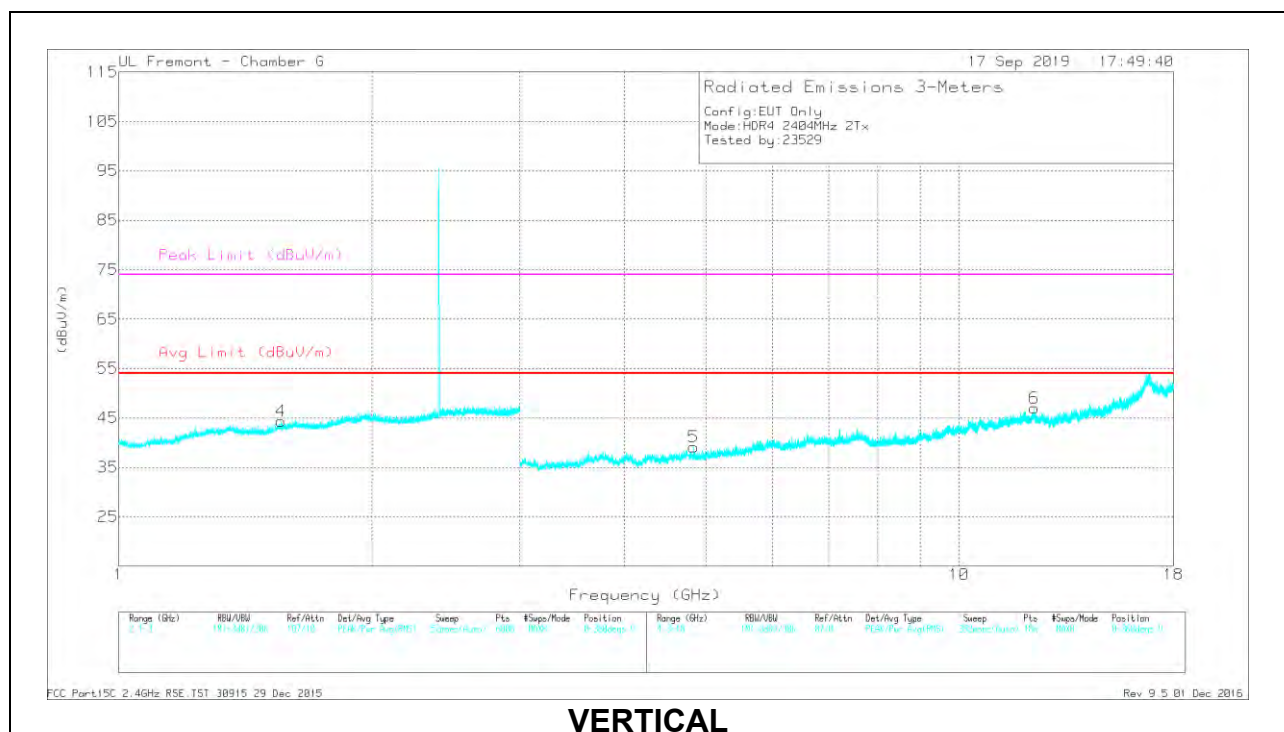
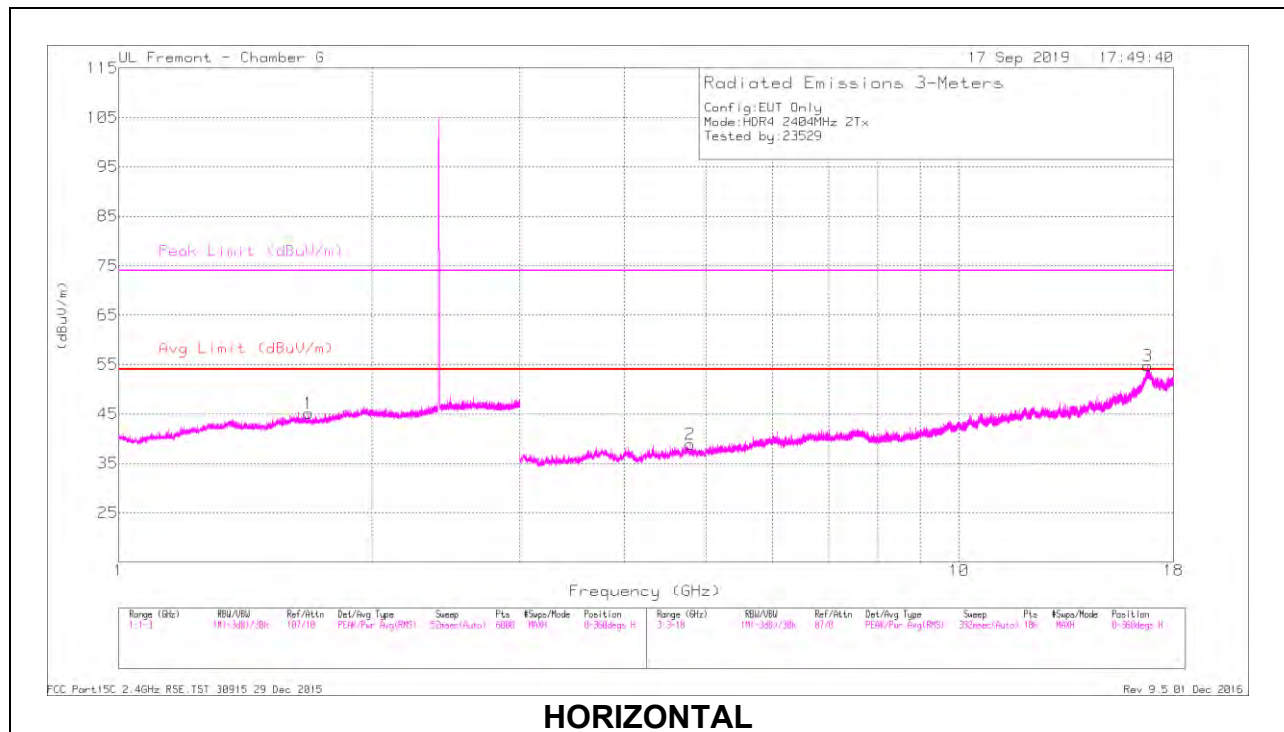
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

High CH Bandedge - V.TST 30915 29 Dec 2015

Rev 9.5 07 Sep 2019

HARMONICS AND SPURIOUS EMISSIONS**LOW CHANNEL RESULTS**

RADIATED EMISSIONS

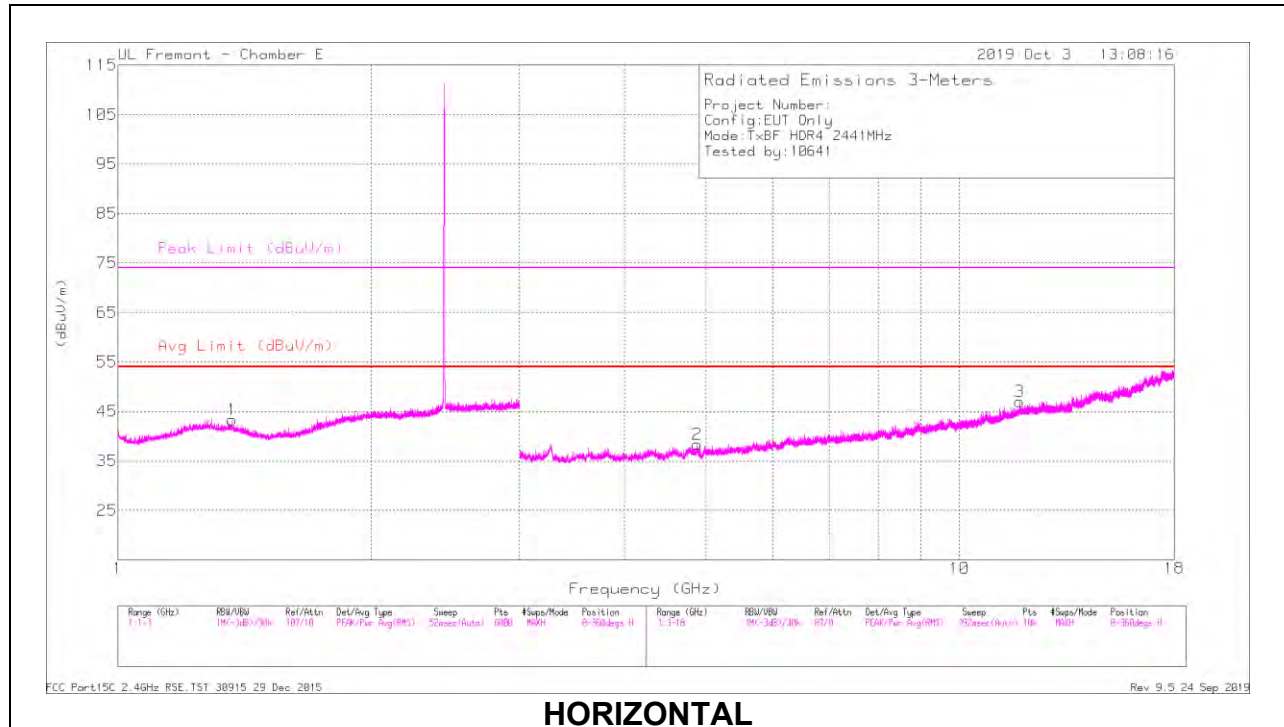
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.68	43.21	PK2	29	-21.6	50.61	-	-	74	-23.39	100	197	H
	* 1.681	31.87	MAv1	29	-21.6	39.27	54	-14.73	-	-	100	197	H
4	* 1.562	43.85	PK2	28.5	-21.4	50.95	-	-	74	-23.05	251	172	V
	* 1.561	32.24	MAv1	28.5	-21.4	39.34	54	-14.66	-	-	251	172	V
2	* 4.789	39.73	PK2	34.1	-29.8	44.03	-	-	74	-29.97	214	327	H
	* 4.788	28.7	MAv1	34.2	-29.8	33.1	54	-20.9	-	-	214	327	H
5	* 4.831	40.7	PK2	34.2	-29.7	45.2	-	-	74	-28.8	138	284	V
	* 4.835	29.13	MAv1	34.1	-29.7	33.53	54	-20.47	-	-	138	284	V
6	* 12.292	36.53	PK2	39	-22.3	53.23	-	-	74	-20.77	171	252	V
	* 12.29	25.21	MAv1	39	-22.3	41.91	54	-12.09	-	-	171	252	V
3	16.778	37.19	PK2	41.7	-17.7	61.19	-	-	74	-12.81	268	215	H

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

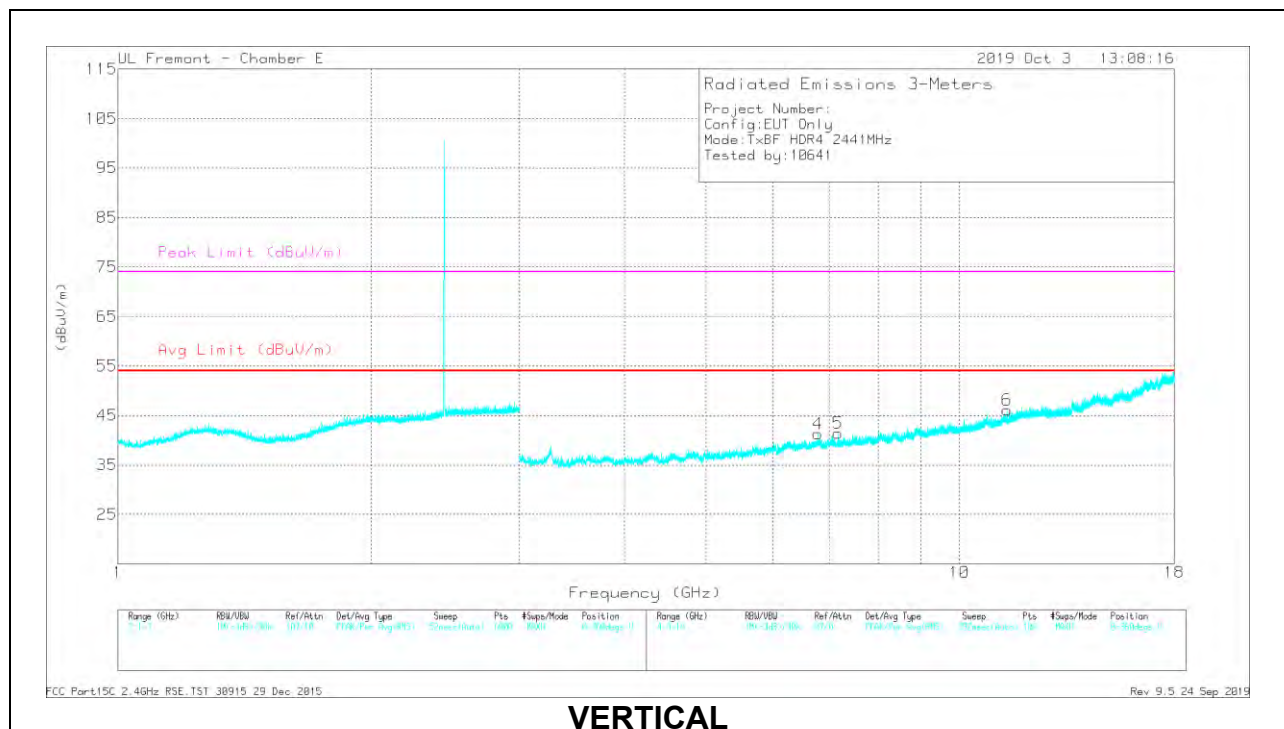
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

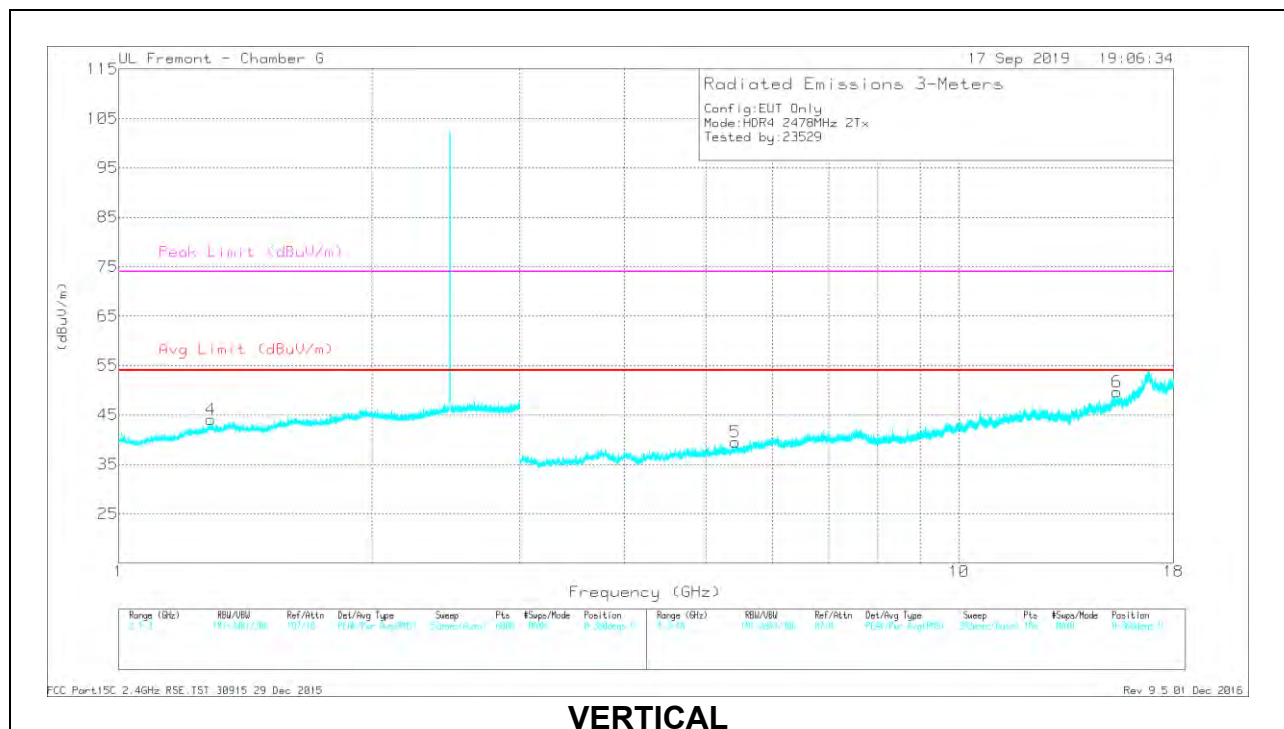
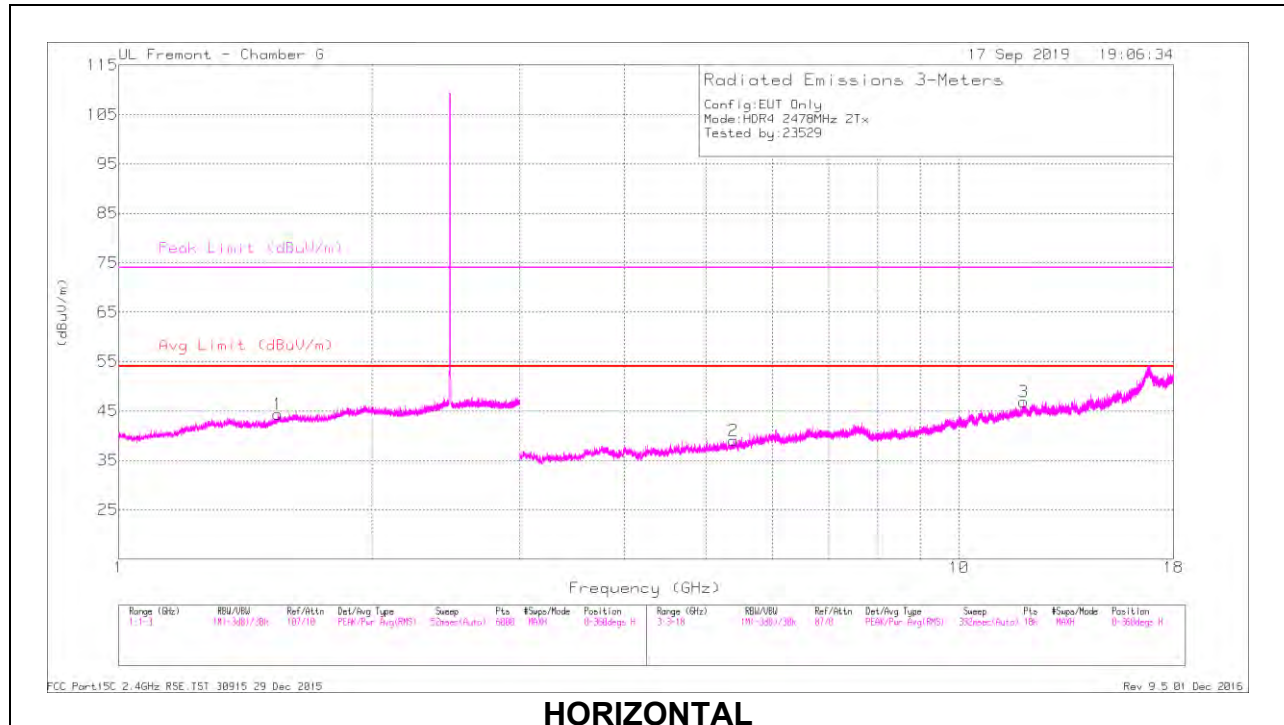
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT119 (dB/m)	Ampl/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.36548	47.19	PK2	29.8	-26.2	50.79	-	-	74	-23.21	263	205	H
	* 1.3657	34.45	MAv1	29.8	-26.2	38.05	54	-15.95	-	-	263	205	H
3	* 11.7905	36.37	PK2	38.9	-21.9	53.37	-	-	74	-20.63	356	159	H
	* 11.79025	24.15	MAv1	38.8	-21.9	41.05	54	-12.95	-	-	356	159	H
2	* 4.88223	41.74	PK2	34	-31	44.74	-	-	74	-29.26	166	239	H
	* 4.88437	30.77	MAv1	33.9	-31	33.67	54	-20.33	-	-	166	239	H
6	* 11.38893	36.22	PK2	38.2	-22.7	51.72	-	-	74	-22.28	180	228	V
	* 11.38665	25.23	MAv1	38.2	-22.7	40.73	54	-13.27	-	-	180	228	V
4	6.7843	38.25	PK2	35.7	-27.1	46.85	-	-	74	-27.15	199	216	V
5	7.16744	39.42	PK2	35.6	-27.7	47.32	-	-	74	-26.68	300	176	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.546	44.03	PK2	28.6	-21.5	51.13	-	-	74	-22.87	123	137	H
	* 1.546	32.34	MAv1	28.6	-21.5	39.44	54	-14.56	-	-	123	137	H
4	* 1.285	44.53	PK2	29.6	-23.5	50.63	-	-	74	-23.37	224	215	V
	* 1.285	32.74	MAv1	29.6	-23.5	38.84	54	-15.16	-	-	224	215	V
2	* 5.395	40.19	PK2	34.6	-29	45.79	-	-	74	-28.21	177	237	H
	* 5.394	29.01	MAv1	34.6	-29	34.61	54	-19.39	-	-	177	237	H
3	* 11.939	36.23	PK2	38.7	-22.2	52.73	-	-	74	-21.27	285	326	H
	* 11.94	24.95	MAv1	38.7	-22.1	41.55	54	-12.45	-	-	285	326	H
5	* 5.421	41.81	PK2	34.6	-29.1	47.31	-	-	74	-26.69	316	254	V
	* 5.419	29.31	MAv1	34.6	-29.1	34.81	54	-19.19	-	-	316	254	V
6	* 15.433	36.19	PK2	41.1	-22.7	54.59	-	-	74	-19.41	220	189	V
	* 15.433	25.56	MAv1	41.1	-22.7	43.96	54	-10.04	-	-	220	189	V

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

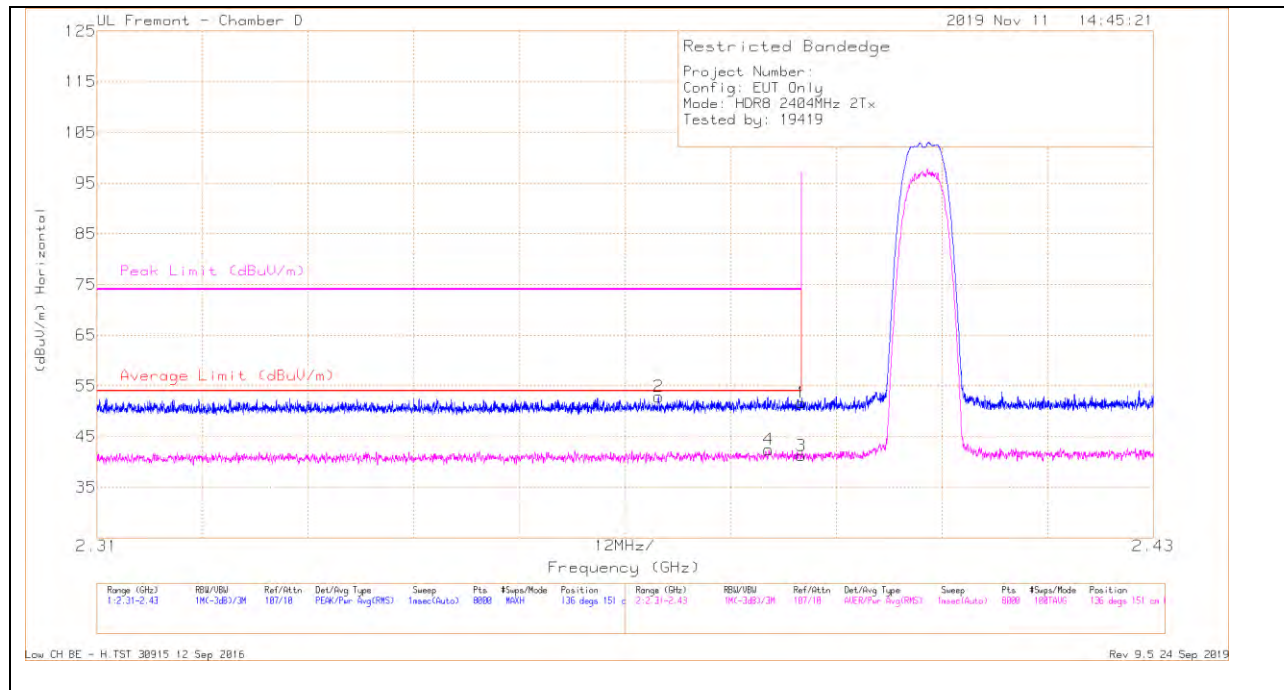
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

9.2.6. BEAMFORMING HIGH POWER HDR (HDR8)

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cb/Filtr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	40.14	Pk	32	-20.5	51.64	-	-	74	-22.36	136	151	H
2	* 2.37379	41.54	Pk	31.9	-20.6	52.84	-	-	74	-21.16	136	151	H
3	* 2.38999	29.72	RMS	32	-20.5	41.22	54	-12.78	-	-	136	151	H
4	* 2.38632	31.01	RMS	32	-20.6	42.41	54	-11.59	-	-	136	151	H

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

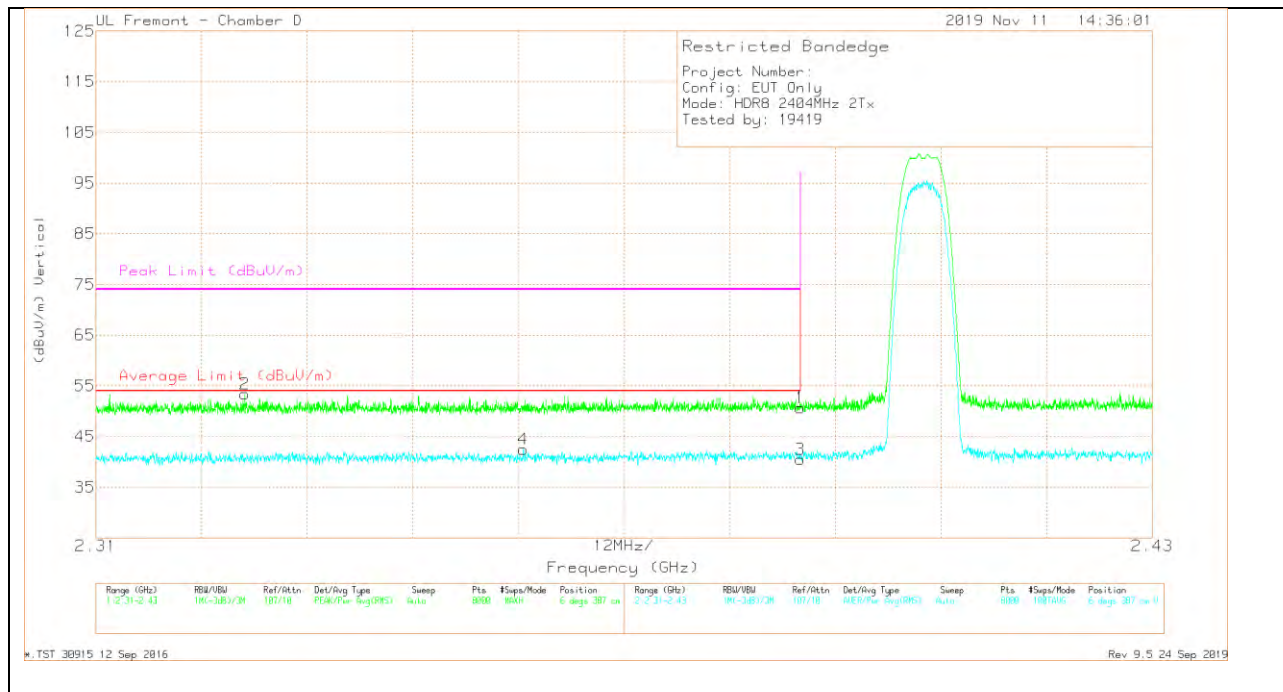
Pk - Peak detector

RMS - RMS detection

Low CH BE - H.TST 30915 12 Sep 2016

Rev 9.5 24 Sep 2019

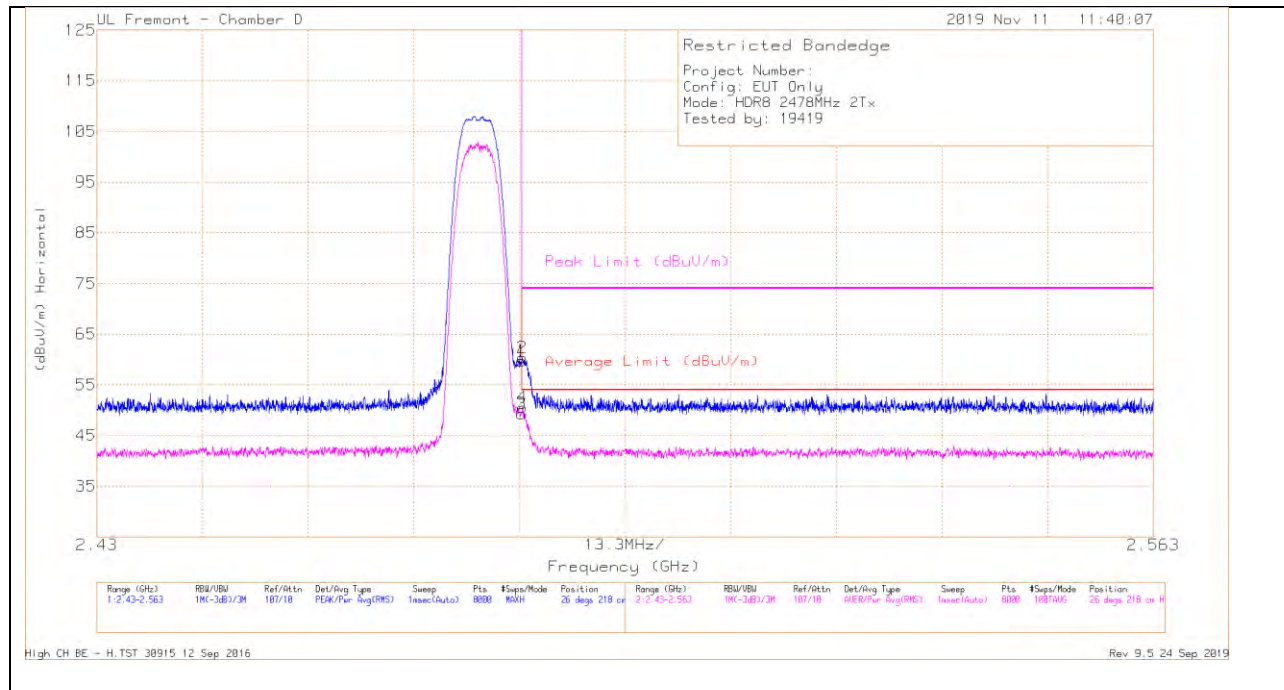
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cb/Filtr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	39.16	Pk	32	-20.5	50.66	-	-	74	-23.34	6	387	V
2	* 2.32691	42.35	Pk	31.7	-20.6	53.45	-	-	74	-20.55	6	387	V
3	* 2.38999	28.97	RMS	32	-20.5	40.47	54	-13.53	-	-	6	387	V
4	* 2.35856	31.39	RMS	31.7	-20.6	42.49	54	-11.51	-	-	6	387	V

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

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

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/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	47.78	Pk	32.4	-20.5	59.68	-	-	74	-14.32	26	218	H
2	* 2.48356	48.47	Pk	32.4	-20.5	60.37	-	-	74	-13.63	26	218	H
3	* 2.48351	37.44	RMS	32.4	-20.5	49.34	54	-4.66	-	-	26	218	H
4	* 2.48359	38.69	RMS	32.4	-20.5	50.59	54	-3.41	-	-	26	218	H

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

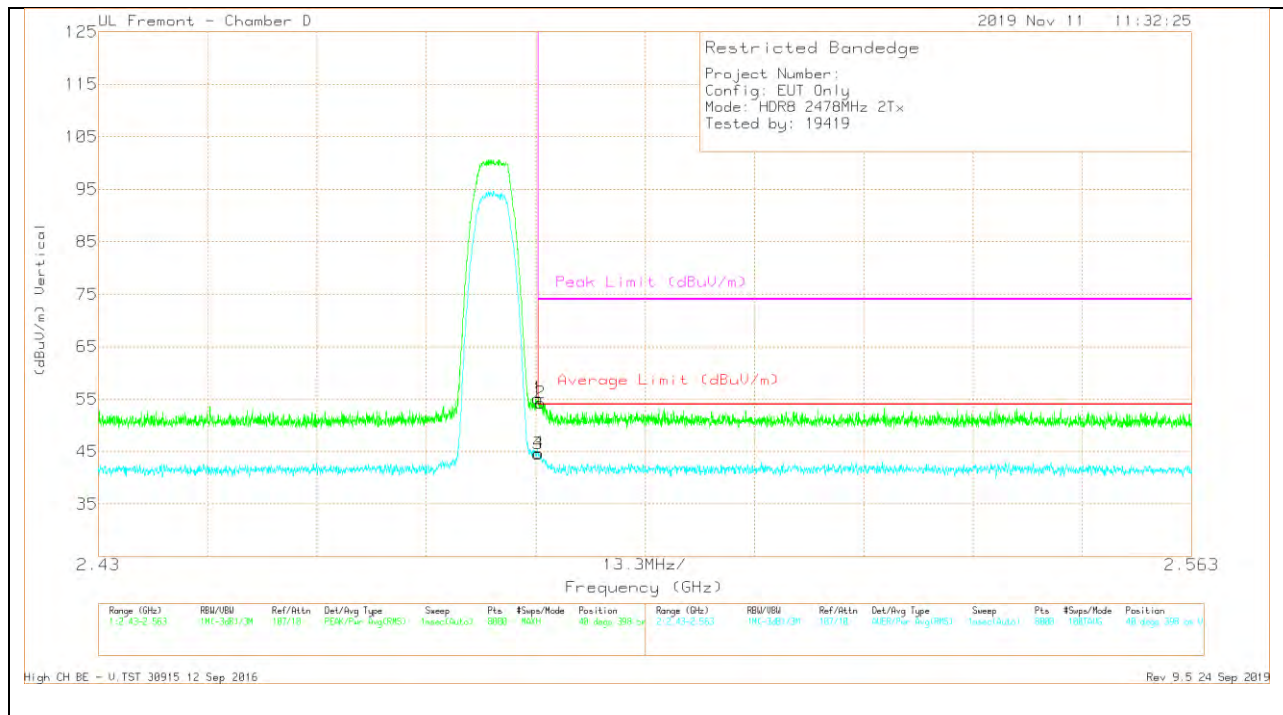
Pk - Peak detector

RMS - RMS detection

High CH BE - H.TST 30915 12 Sep 2016

Rev 9.5 24 Sep 2019

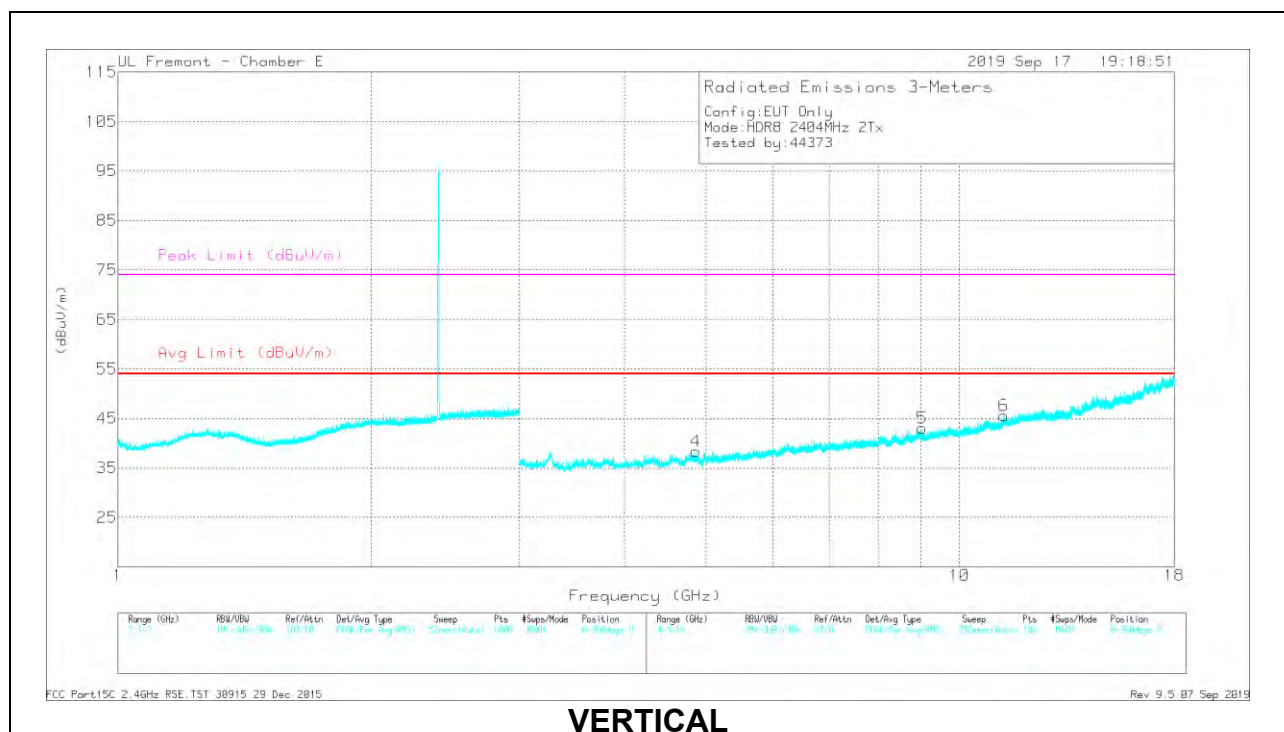
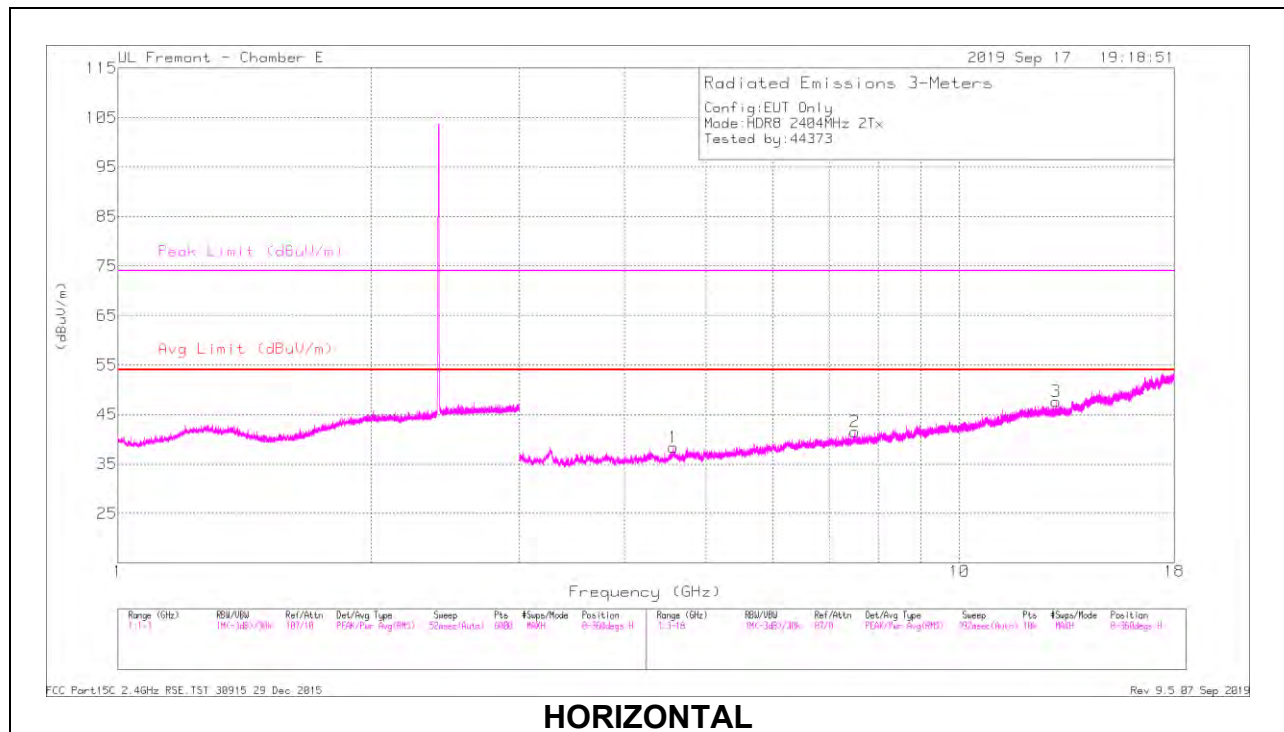
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	43.26	Pk	32.4	-20.5	55.16	-	-	74	-18.84	40	398	V
2	* 2.48376	42.37	Pk	32.4	-20.5	54.27	-	-	74	-19.73	40	398	V
3	* 2.48351	32.69	RMS	32.4	-20.5	44.59	54	-9.41	-	-	40	398	V
4	* 2.48352	32.84	RMS	32.4	-20.5	44.74	54	-9.26	-	-	40	398	V

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

High CH BE - V.TST 30915 12 Sep 2016
Rev 9.5 24 Sep 2019

HARMONICS AND SPURIOUS EMISSIONS**LOW CHANNEL RESULTS**

RADIATED EMISSIONS

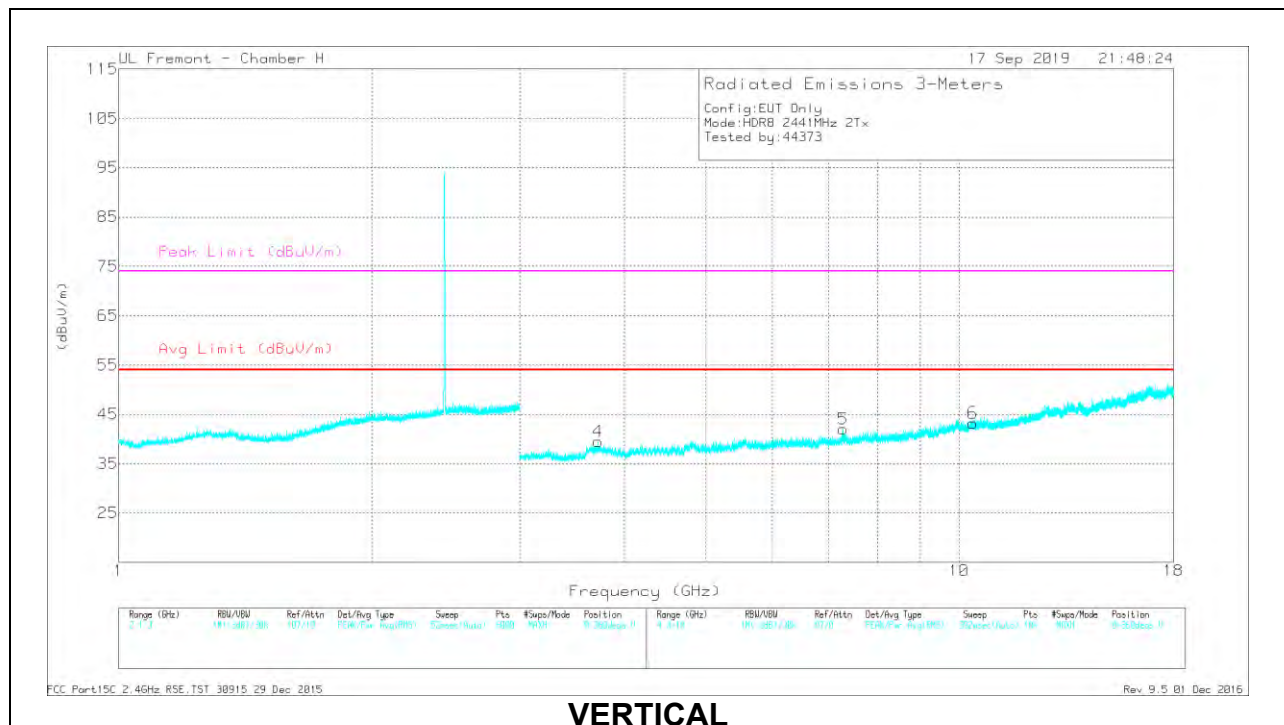
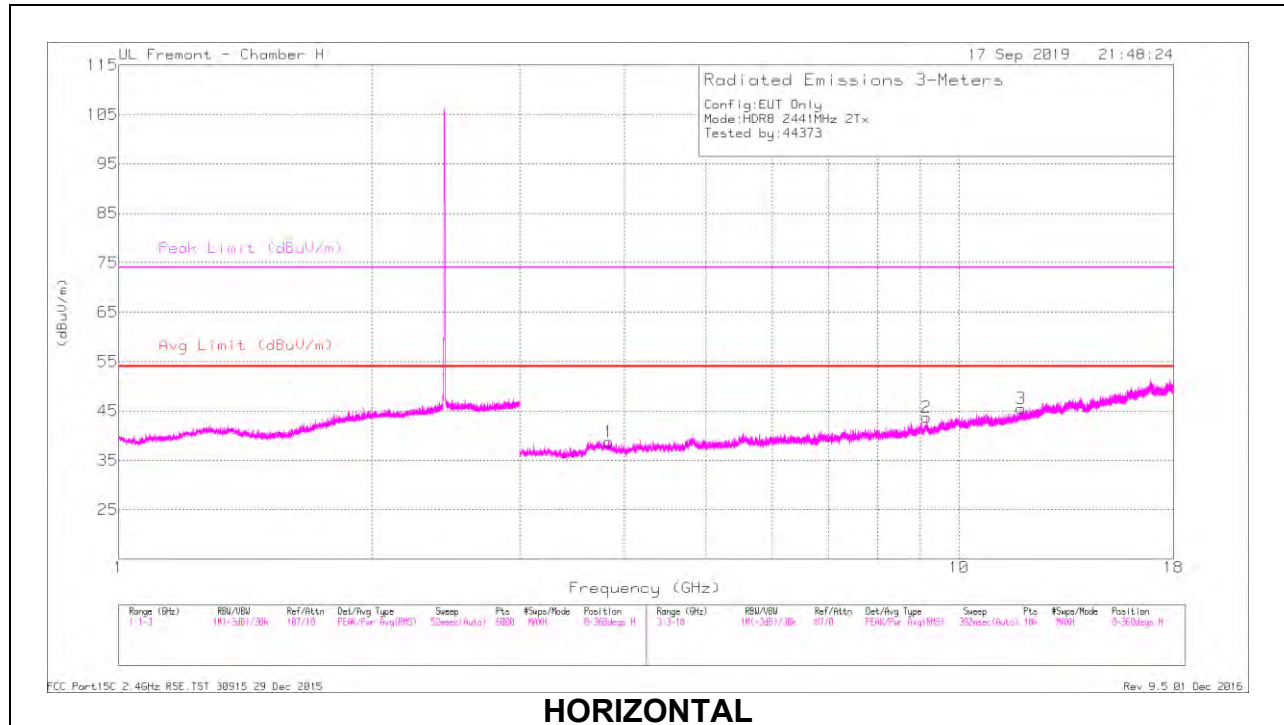
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT119 (dB/m)	Ampl/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.56808	43.2	PK2	34.2	-31.6	45.8	-	-	74	-28.2	349	102	H
	* 4.56894	30.55	MAv1	34.2	-31.6	33.15	54	-20.85	-	-	349	102	H
2	* 7.51369	38.89	PK2	35.8	-26.9	47.79	-	-	74	-26.21	341	109	H
	* 7.51432	26.94	MAv1	35.7	-26.9	35.74	54	-18.26	-	-	341	109	H
4	* 4.86674	41.74	PK2	34	-30.9	44.84	-	-	74	-29.16	3	342	V
	* 4.86706	29.88	MAv1	34	-30.9	32.98	54	-21.02	-	-	3	342	V
5	* 9.03424	37.27	PK2	36.1	-24.5	48.87	-	-	74	-25.13	189	134	V
	* 9.03283	26.19	MAv1	36.1	-24.5	37.79	54	-16.21	-	-	189	134	V
6	* 11.28655	37.07	PK2	38.1	-22.2	52.97	-	-	74	-21.03	246	176	V
	* 11.28403	24.3	MAv1	38	-22.3	40	54	-14	-	-	246	176	V
3	13.0144	35.91	PK2	39.1	-21.4	53.61	-	-	-	-	16	234	H

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS



RADIATED EMISSIONS

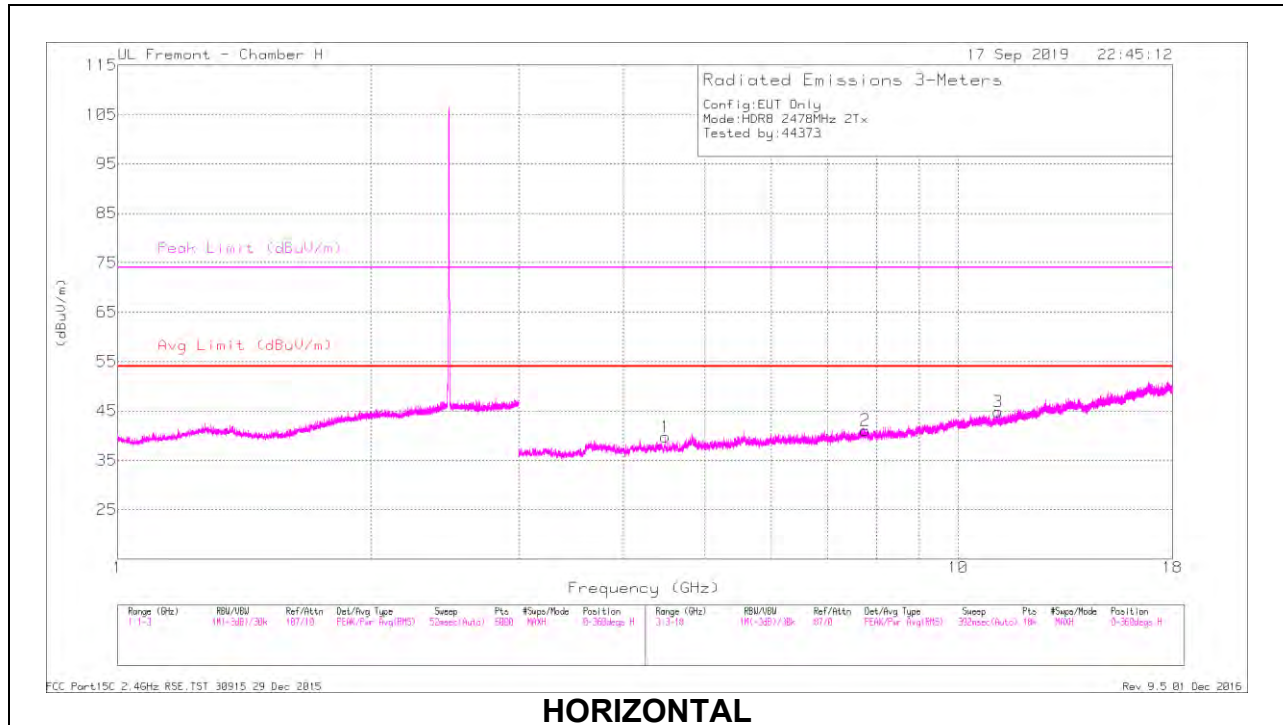
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.831	42.14	PK2	33.5	-30.8	44.84	-	-	74	-29.16	88	107	H
	* 3.832	31.22	MAv1	33.5	-30.8	33.92	54	-20.08	-	-	88	107	H
2	* 9.144	37.58	PK2	36.3	-23.8	50.08	-	-	74	-23.92	323	150	H
	* 9.141	24.92	MAv1	36.3	-23.8	37.42	54	-16.58	-	-	323	150	H
3	* 11.856	36.05	PK2	38.5	-22.8	51.75	-	-	74	-22.25	295	136	H
	* 11.852	24.84	MAv1	38.5	-22.9	40.44	54	-13.56	-	-	295	136	H
4	* 3.718	42.3	PK2	33.2	-30.7	44.8	-	-	74	-29.2	174	110	V
	* 3.718	30.91	MAv1	33.2	-30.7	33.41	54	-20.59	-	-	174	110	V
5	* 7.276	39.13	PK2	36	-26.9	48.23	-	-	74	-25.77	279	100	V
	* 7.274	27.26	MAv1	36	-27	36.26	54	-17.74	-	-	279	100	V
6	10.392	36.09	PK2	37.3	-23.1	50.29	-	-	-	-	290	196	V

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

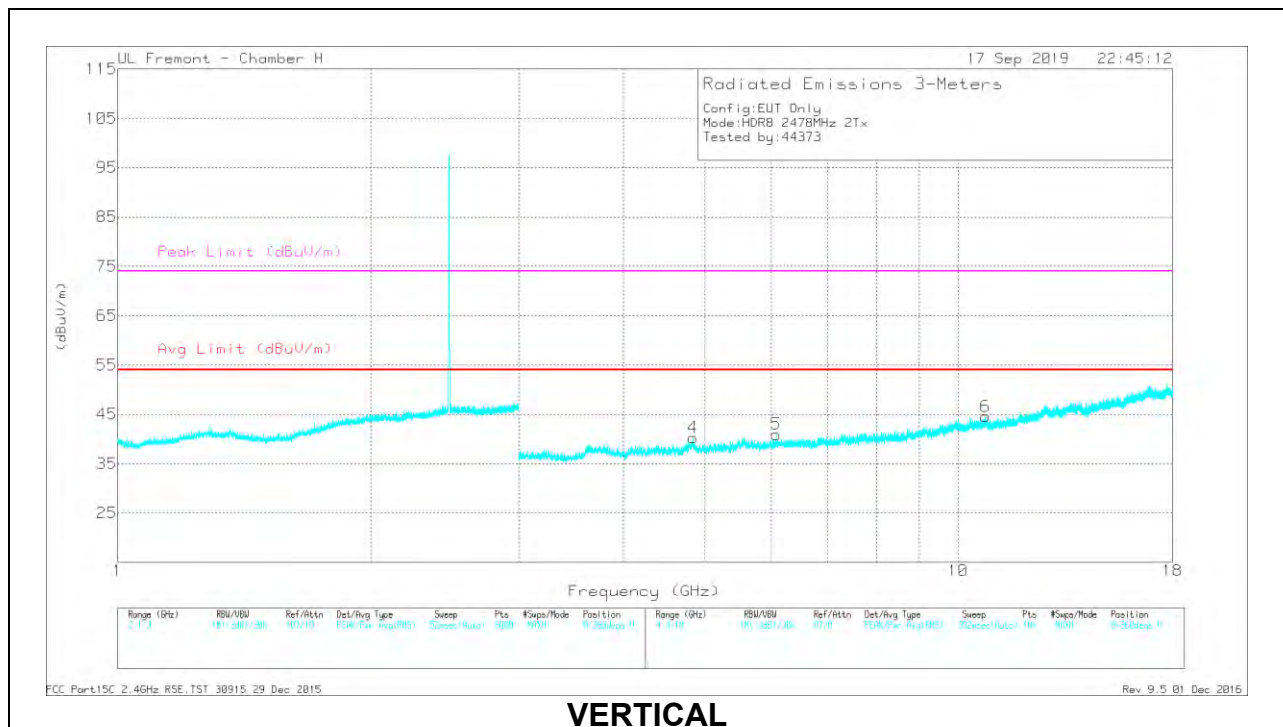
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* 11.166	35.47	PK2	37.8	-22.9	50.37	-	-	74	-23.63	89	110	H
	* 11.166	24.58	MAv1	37.8	-22.9	39.48	54	-14.52	-	-	89	110	H
4	* 4.835	42.27	PK2	34.3	-30.3	46.27	-	-	74	-27.73	327	156	V
	* 4.834	30.19	MAv1	34.3	-30.4	34.09	54	-19.91	-	-	327	156	V
6	* 10.795	35.79	PK2	37.6	-22.2	51.19	-	-	74	-22.81	336	356	V
	* 10.798	23.96	MAv1	37.6	-22.3	39.26	54	-14.74	-	-	336	356	V
1	4.486	41.69	PK2	33.9	-30.5	45.09	-	-	-	-	304	215	H
5	6.075	39.22	PK2	35.6	-28.3	46.52	-	-	-	-	196	112	V
2	7.758	37.73	PK2	36.2	-26.4	47.53	-	-	-	-	228	143	H

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

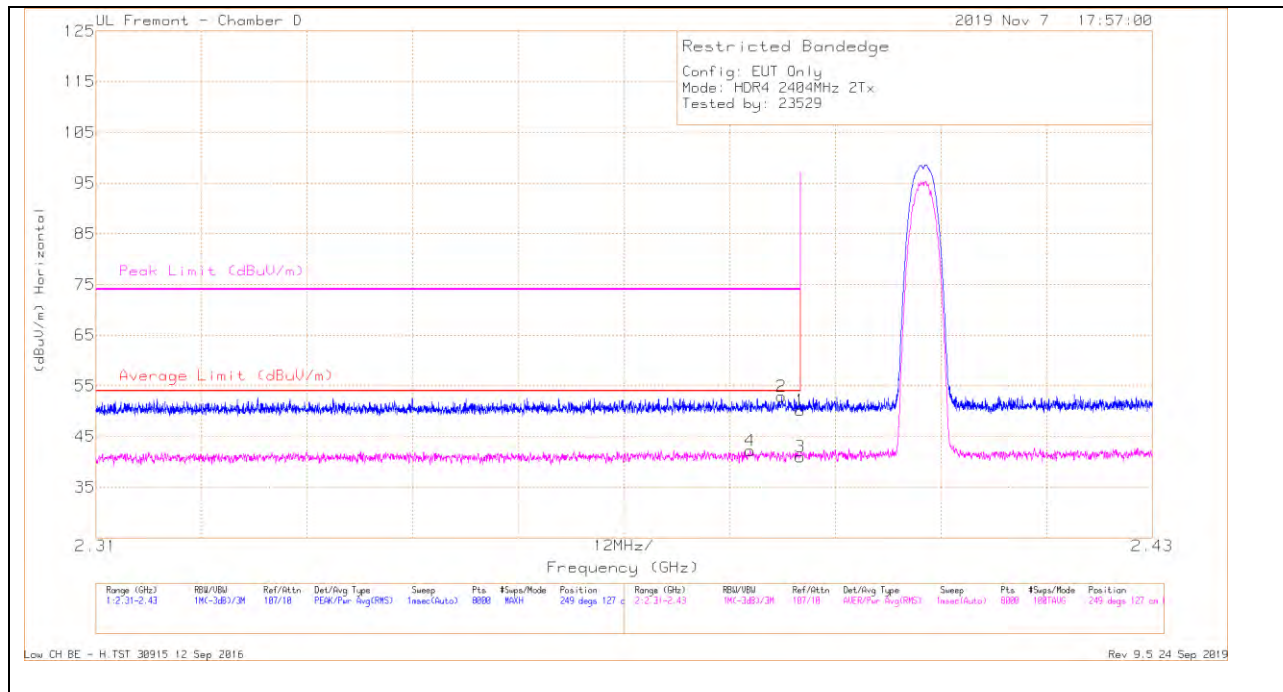
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

9.2.7. BEAMFORMING LOW POWER HDR (HDR4)

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cb/Filt/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 2.38432	30.85	RMS	32	-20.6	42.25	54	-11.75	-	-	249	127	H
2	* 2.38789	41.5	Pk	32	-20.6	52.9	-	-	74	-21.1	249	127	H
1	* 2.38999	38.66	Pk	32	-20.5	50.16	-	-	74	-23.84	249	127	H
3	* 2.38999	29.5	RMS	32	-20.5	41	54	-13	-	-	249	127	H

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

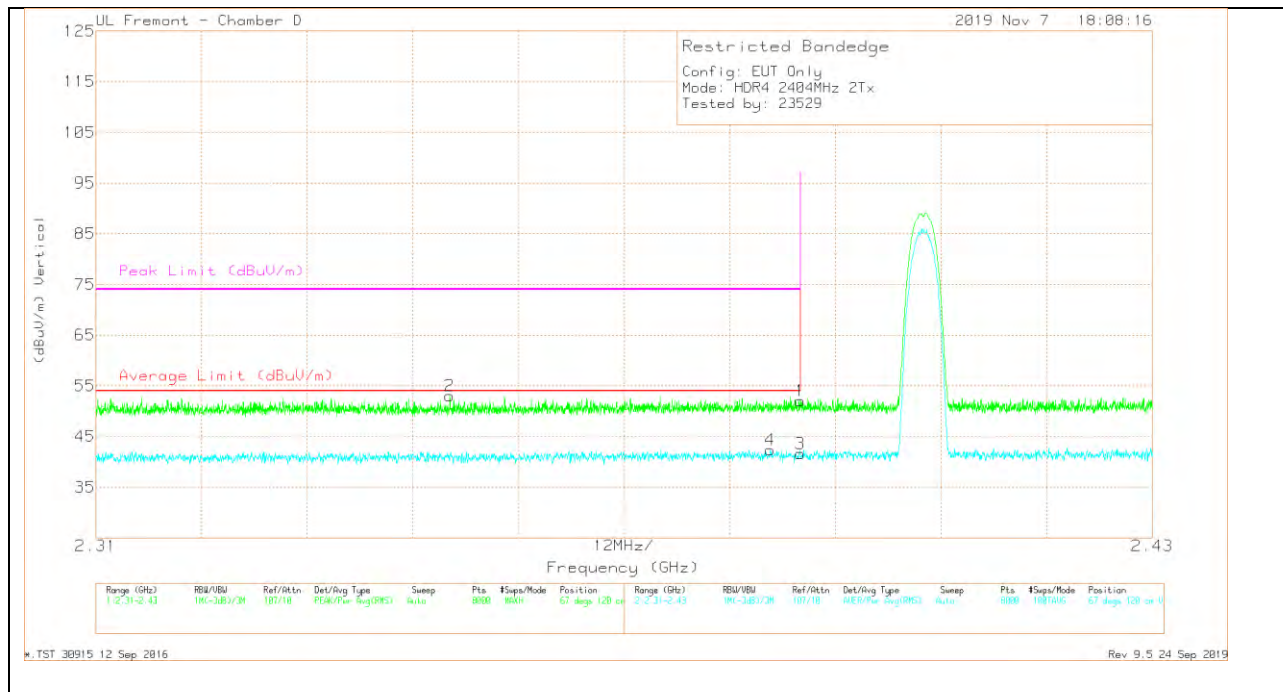
Pk - Peak detector

RMS - RMS detection

Low CH BE - H.TST 30915 12 Sep 2016

Rev 9.5 24 Sep 2019

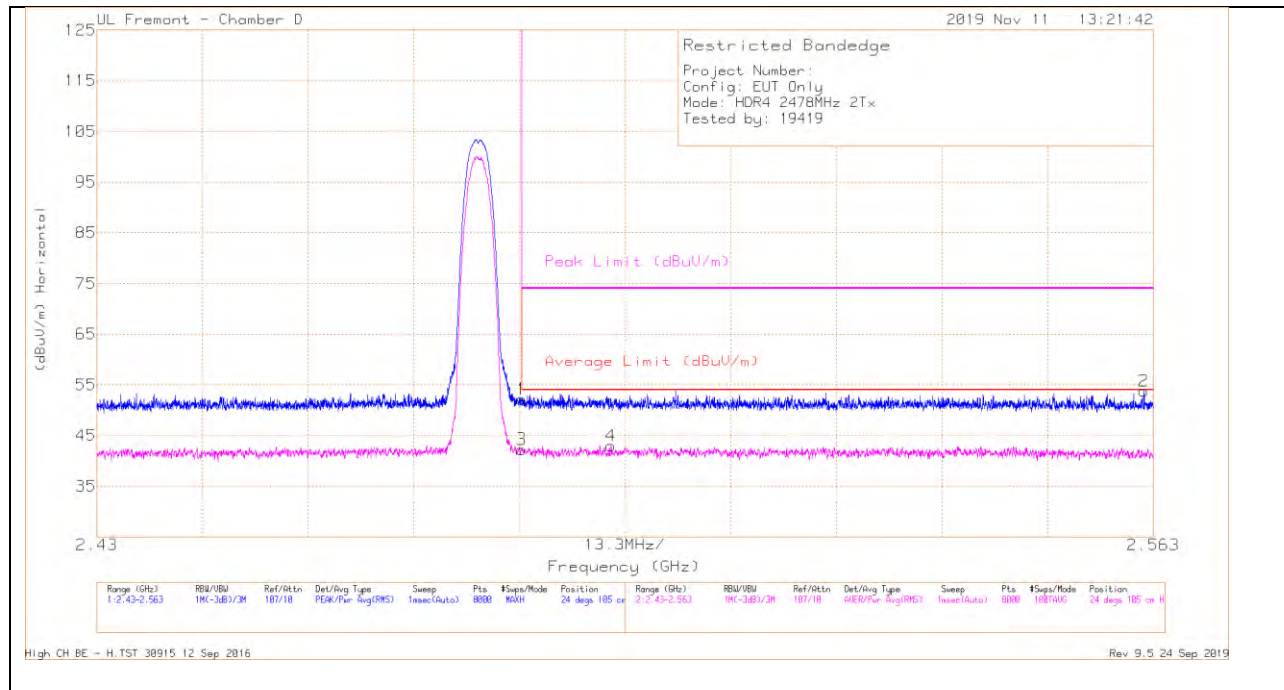
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cb/Filtr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.35019	41.91	Pk	31.7	-20.6	53.01	-	-	74	-20.99	67	120	V
4	* 2.3866	30.94	RMS	32	-20.6	42.34	54	-11.66	-	-	67	120	V
1	* 2.38999	40.49	Pk	32	-20.5	51.99	-	-	74	-22.01	67	120	V
3	* 2.38999	30.09	RMS	32	-20.5	41.59	54	-12.41	-	-	67	120	V

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

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

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cb/Filt/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	40.23	Pk	32.4	-20.5	52.13	-	-	74	-21.87	24	105	H
3	* 2.48351	30.38	RMS	32.4	-20.5	42.28	54	-11.72	-	-	24	105	H
4	* 2.49475	30.92	RMS	32.4	-20.4	42.92	54	-11.08	-	-	24	105	H
2	2.56182	42.04	Pk	32.1	-20.4	53.74	-	-	74	-20.26	24	105	H

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

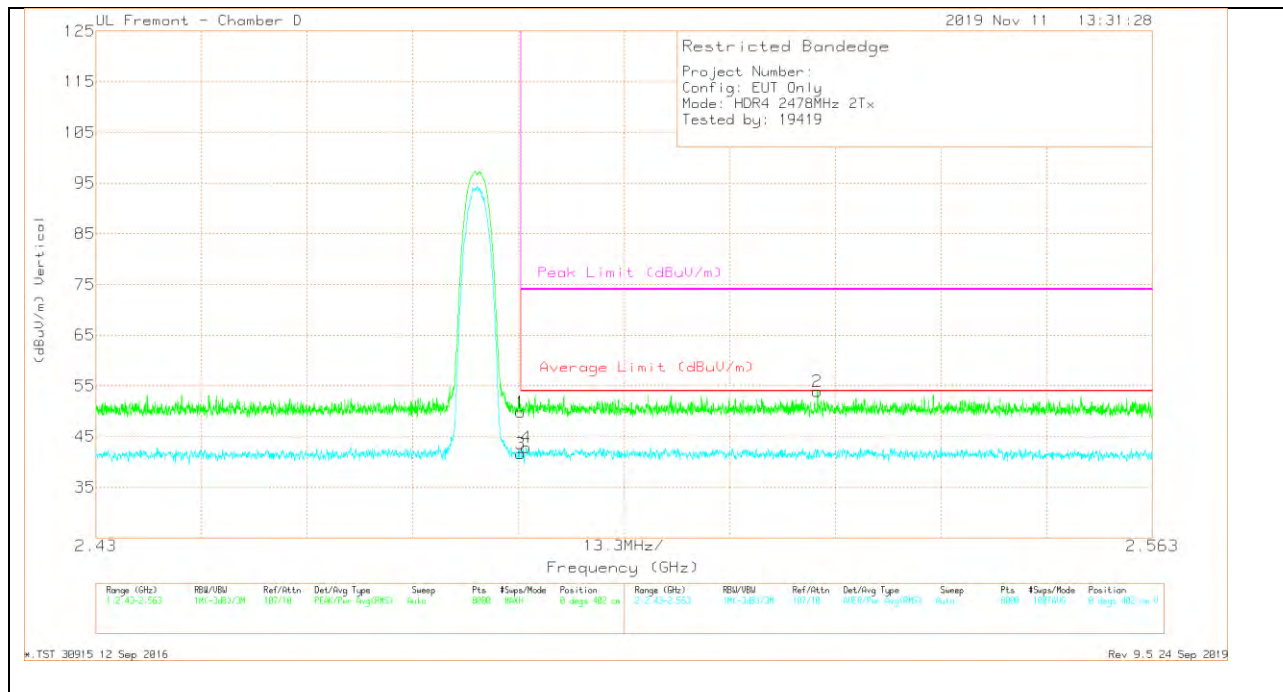
Pk - Peak detector

RMS - RMS detection

High CH BE - H.TST 30915 12 Sep 2016

Rev 9.5 24 Sep 2019

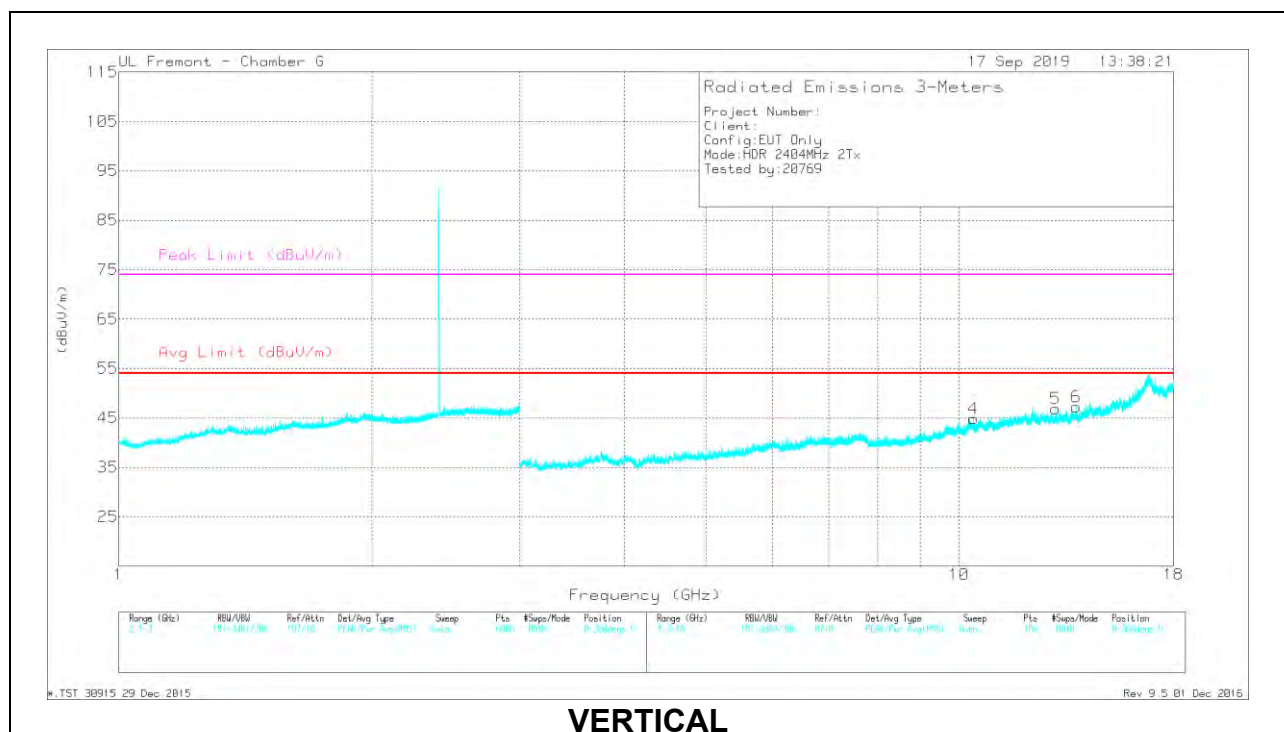
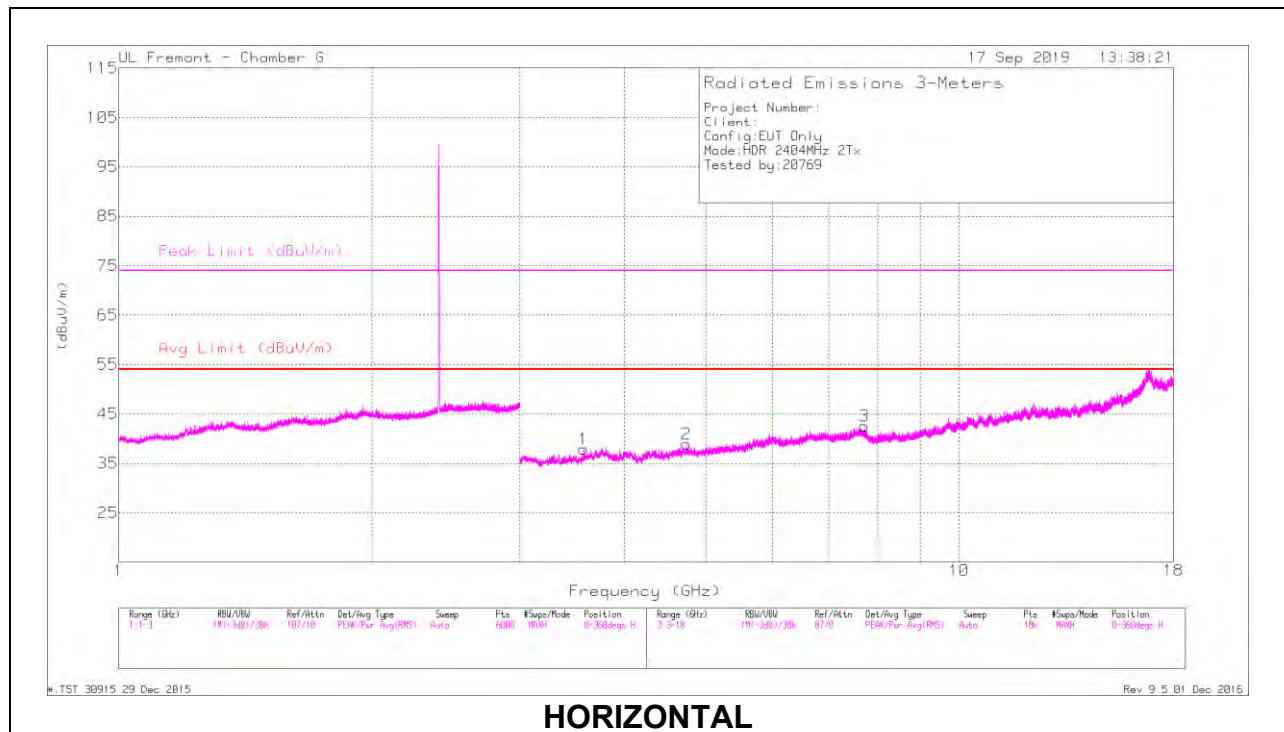
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cb/Filtr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	37.93	Pk	32.4	-20.5	49.83	-	-	74	-24.17	0	402	V
3	* 2.48351	29.69	RMS	32.4	-20.5	41.59	54	-12.41	-	-	0	402	V
4	* 2.4842	31.01	RMS	32.3	-20.5	42.81	54	-11.19	-	-	0	402	V
2	2.52085	41.99	Pk	32.3	-20.4	53.89	-	-	74	-20.11	0	402	V

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

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

HARMONICS AND SPURIOUS EMISSIONS**LOW CHANNEL RESULTS**

RADIATED EMISSIONS

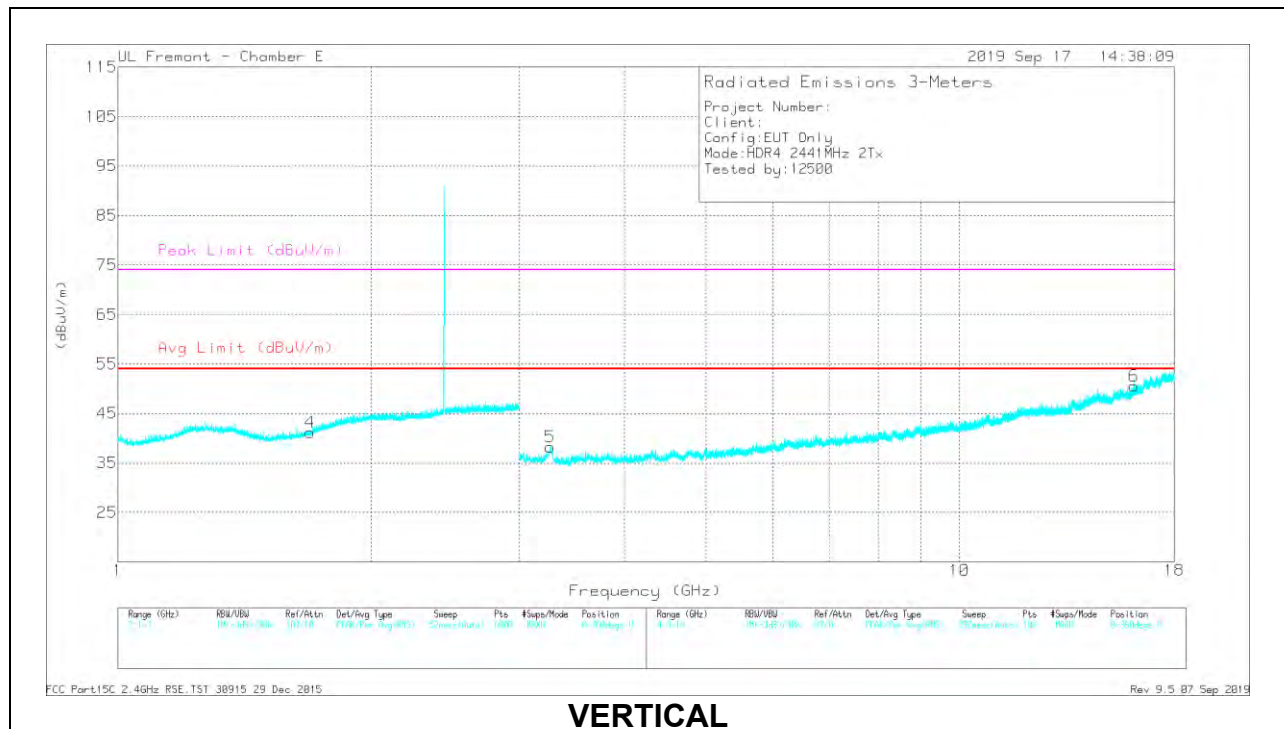
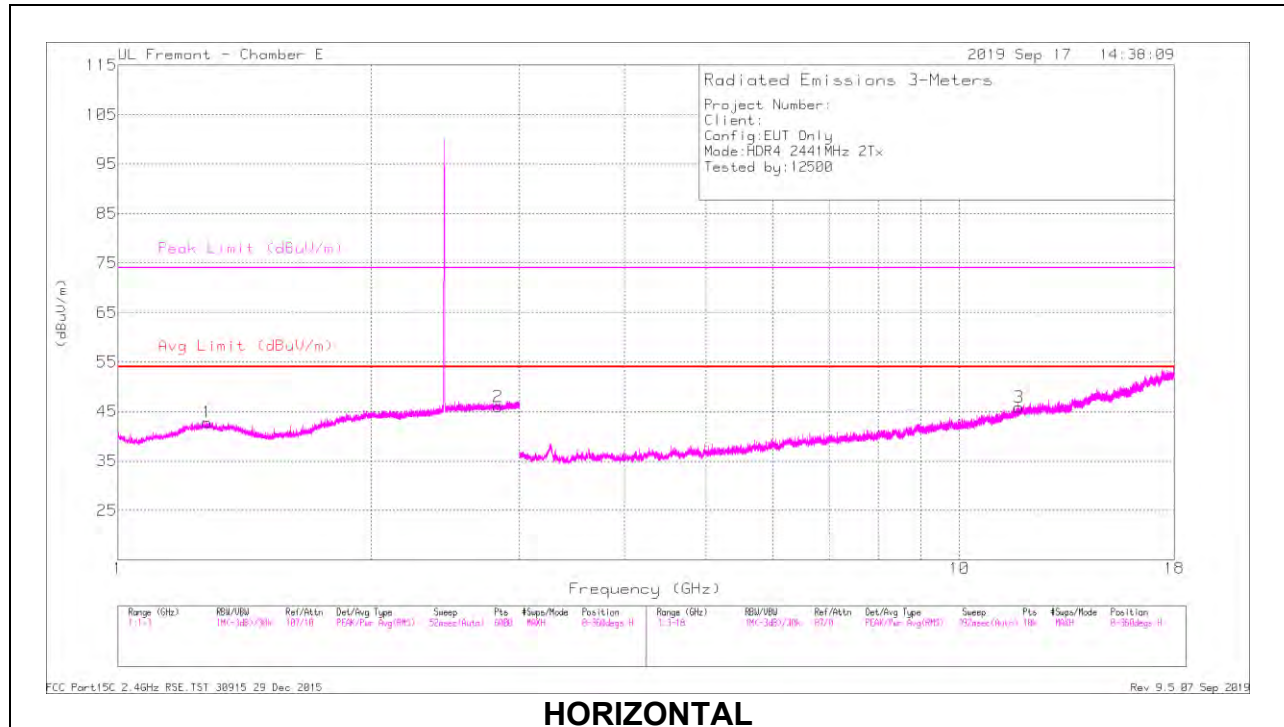
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.579	41.58	PK2	33.1	-30.6	44.08	-	-	74	-29.92	166	104	H
	* 3.578	29.78	MAv1	33.1	-30.6	32.28	54	-21.72	-	-	166	104	H
2	* 4.735	40.8	PK2	34	-29.6	45.2	-	-	74	-28.8	4	370	H
	* 4.736	29.26	MAv1	34	-29.5	33.76	54	-20.24	-	-	4	370	H
3	* 7.714	38.48	PK2	36.7	-27.6	47.58	-	-	74	-26.42	162	193	H
	* 7.714	27.32	MAv1	36.7	-27.6	36.42	54	-17.58	-	-	162	193	H
4	10.41	37.32	PK2	37.5	-24.3	50.52	-	-	-	-	317	138	V
5	13.039	37.2	PK2	39.1	-23.2	53.1	-	-	-	-	330	376	V
6	13.797	37.86	PK2	38.8	-23.3	53.36	-	-	-	-	2	231	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

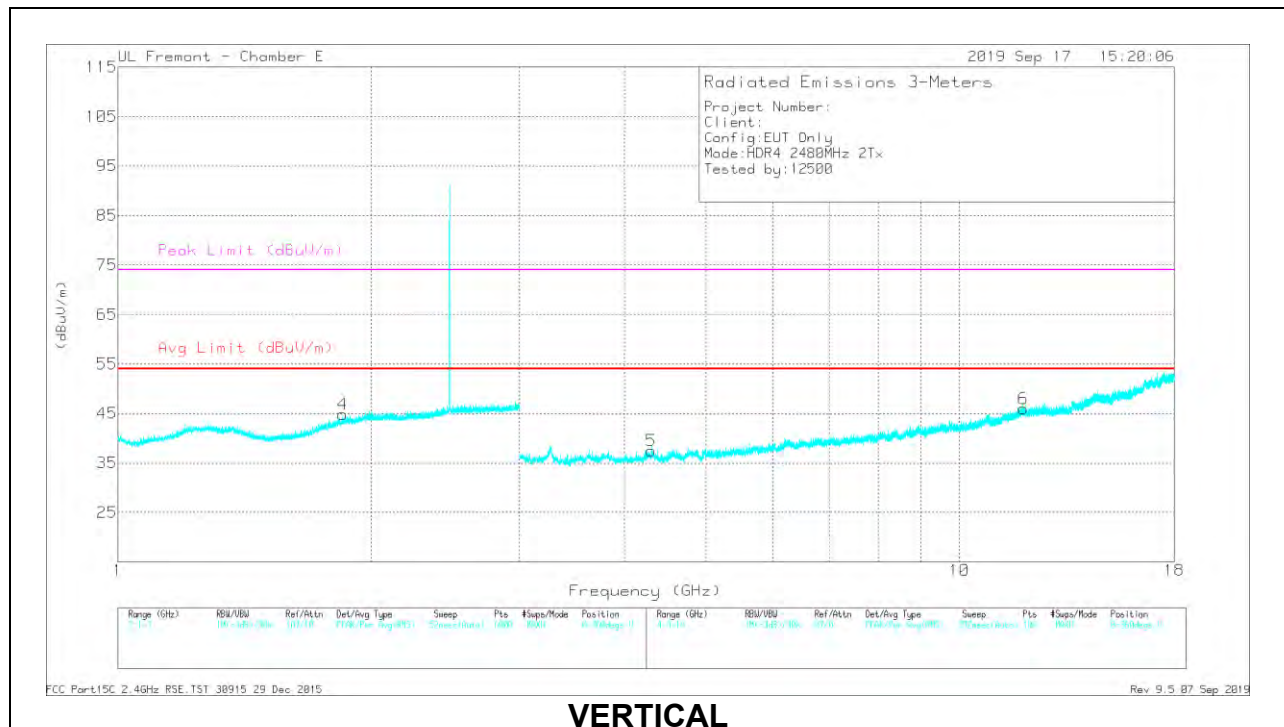
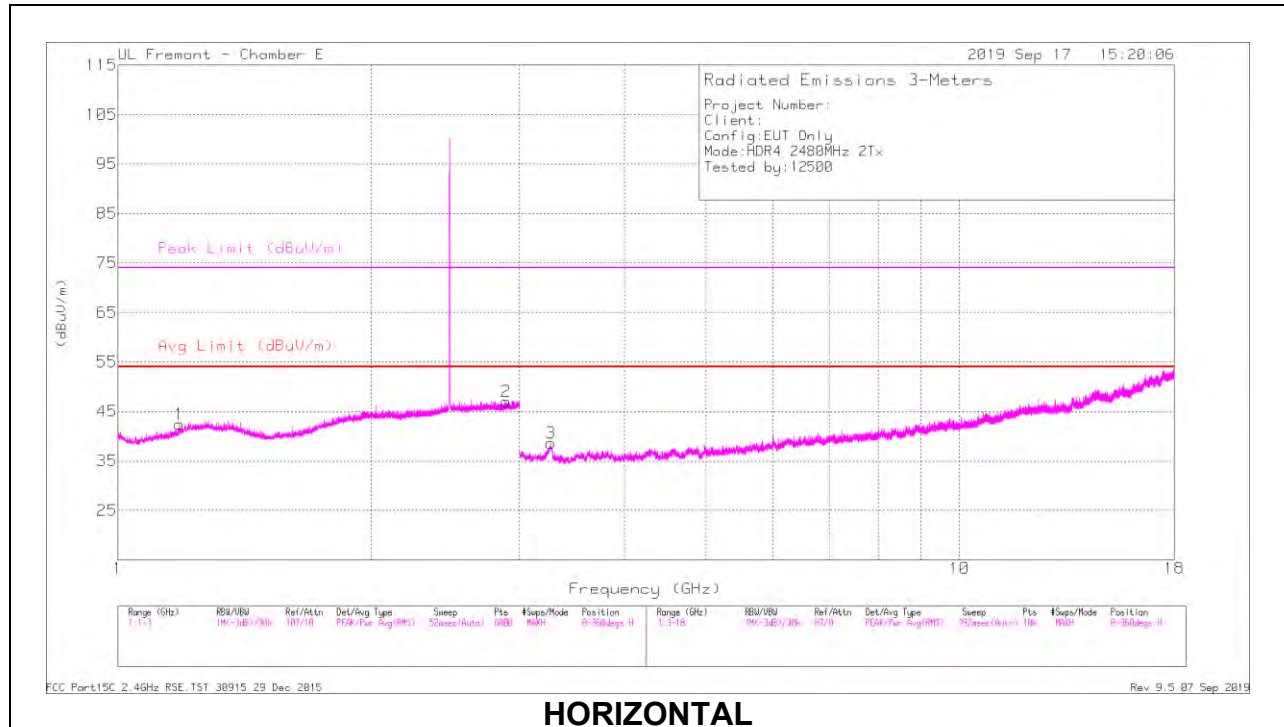
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT119 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.27433	45.86	PK2	30.2	-26.2	49.86	-	-	74	-24.14	156	334	H
	* 1.27581	33.96	MAv1	30.2	-26.2	37.96	54	-16.04	-	-	156	334	H
2	* 2.83059	46.15	PK2	32.9	-26	53.05	-	-	74	-20.95	72	175	H
	* 2.82983	34.53	MAv1	32.9	-26	41.43	54	-12.57	-	-	72	175	H
4	* 1.69233	46.18	PK2	28.8	-26.2	48.78	-	-	74	-25.22	308	371	V
	* 1.69249	34.24	MAv1	28.8	-26.2	36.84	54	-17.16	-	-	308	371	V
3	* 11.7683	35.53	PK2	38.8	-21.9	52.43	-	-	74	-21.57	291	102	H
	* 11.7712	24.1	MAv1	38.8	-21.9	41	54	-13	-	-	291	102	H
5	* 3.26461	44.86	PK2	35.1	-34.1	45.86	-	-	74	-28.14	360	249	V
	* 3.2655	32.96	MAv1	35	-34.1	33.86	54	-20.14	-	-	360	249	V
6	* 16.10695	35.15	PK2	40.3	-18.5	56.95	-	-	74	-17.05	71	325	V
	* 16.10747	23.73	MAv1	40.3	-18.5	45.53	54	-8.47	-	-	71	325	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



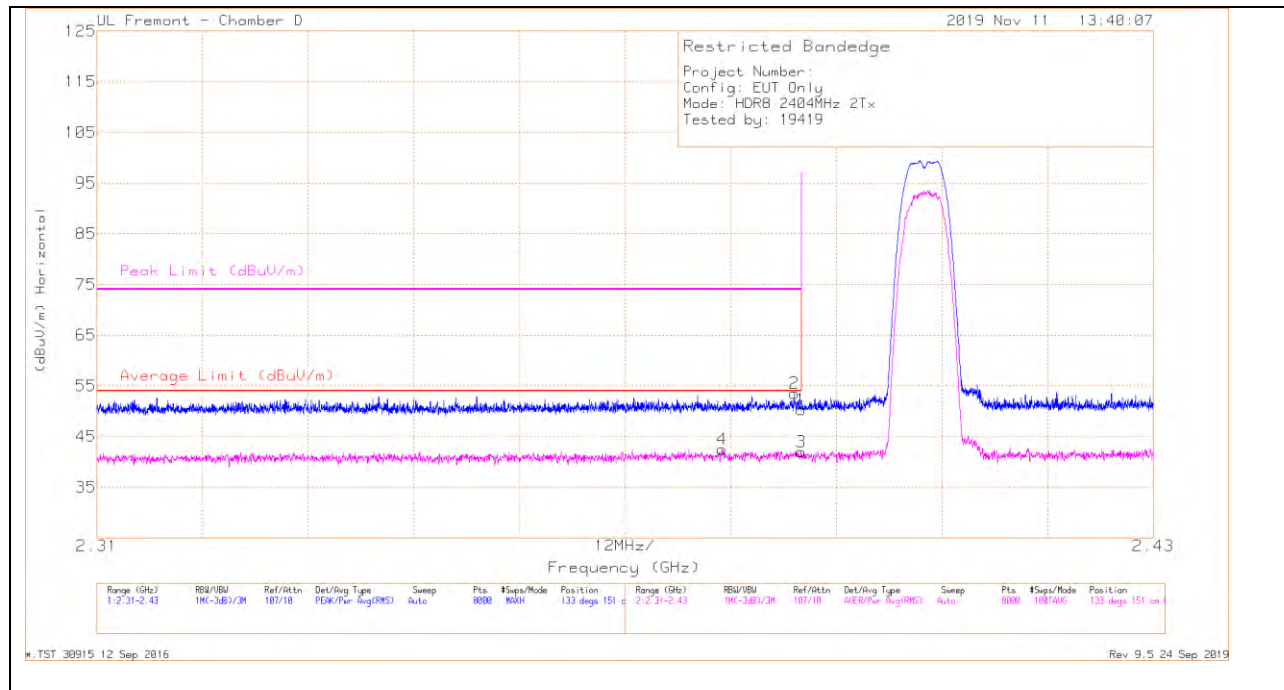
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT119 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.18454	45.5	PK2	29.1	-26.1	48.5	-	-	74	-25.5	253	166	H
	* 1.18147	33.77	MAv1	29	-26.1	36.67	54	-17.33	-	-	253	166	H
2	* 2.89291	46.97	PK2	33	-25.8	54.17	-	-	74	-19.83	72	200	H
	* 2.8914	34.49	MAv1	33	-25.8	41.69	54	-12.31	-	-	72	200	H
5	* 4.30545	42.86	PK2	33.6	-31.3	45.16	-	-	74	-28.84	284	111	V
	* 4.30851	30.6	MAv1	33.6	-31.3	32.9	54	-21.1	-	-	284	111	V
6	* 11.91423	35.83	PK2	39	-22.1	52.73	-	-	74	-21.27	254	133	V
	* 11.91648	24.25	MAv1	39	-22.1	41.15	54	-12.85	-	-	254	133	V
4	1.85033	46.85	PK2	31.1	-26.3	51.65	-	-	-	-	55	268	V
3	3.26908	45.25	PK2	34.8	-34.1	45.95	-	-	-	-	79	203	H

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

9.2.8. BEAMFORMING LOW POWER HDR (HDR8)**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

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

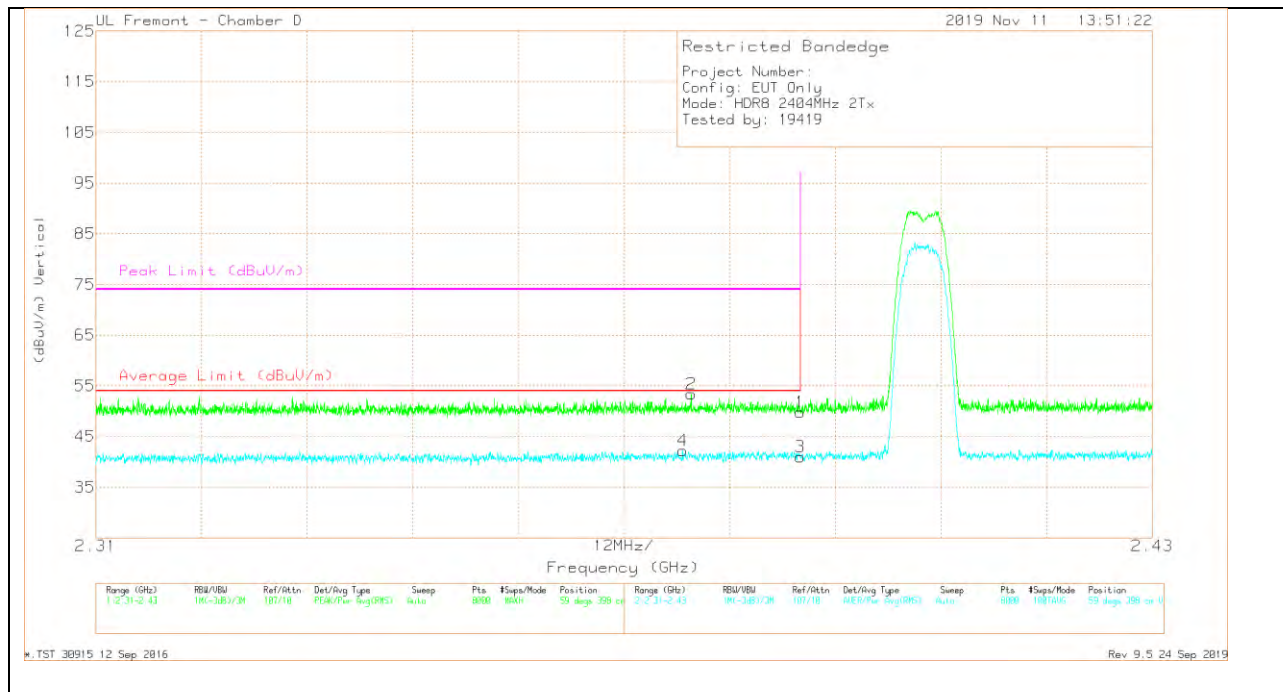
Pk - Peak detector

RMS - RMS detection

*.TST 30915 12 Sep 2016

Rev 9.5 24 Sep 2019

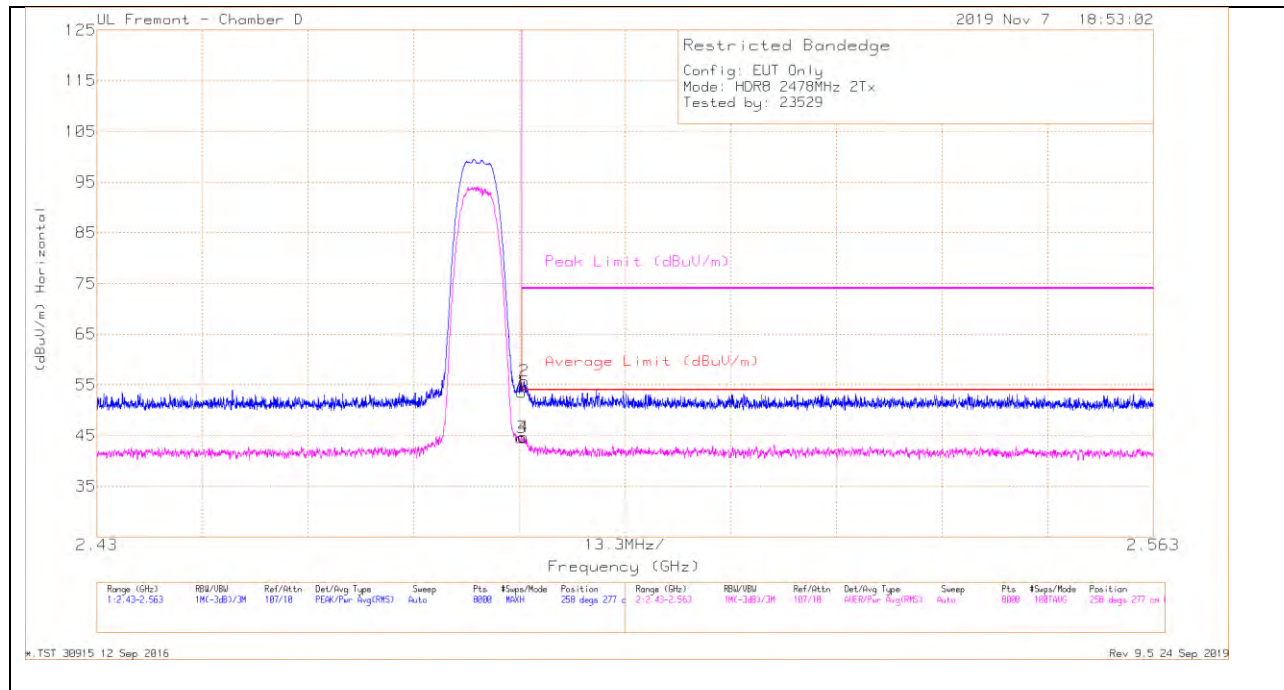
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cb/Filtr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 2.37664	30.84	RMS	31.9	-20.5	42.24	54	-11.76	-	-	59	398	V
2	* 2.37763	41.94	PK	31.9	-20.5	53.34	-	-	74	-20.66	59	398	V
1	* 2.38999	38.25	PK	32	-20.5	49.75	-	-	74	-24.25	59	398	V
3	* 2.38999	29.44	RMS	32	-20.5	40.94	54	-13.06	-	-	59	398	V

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

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

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	41.63	Pk	32.4	-20.5	53.53	-	-	74	-20.47	258	277	H
3	* 2.48351	32.64	RMS	32.4	-20.5	44.54	54	-9.46	-	-	258	277	H
4	* 2.48371	32.83	RMS	32.4	-20.5	44.73	54	-9.27	-	-	258	277	H
2	* 2.48379	43.9	Pk	32.4	-20.5	55.8	-	-	74	-18.2	258	277	H

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

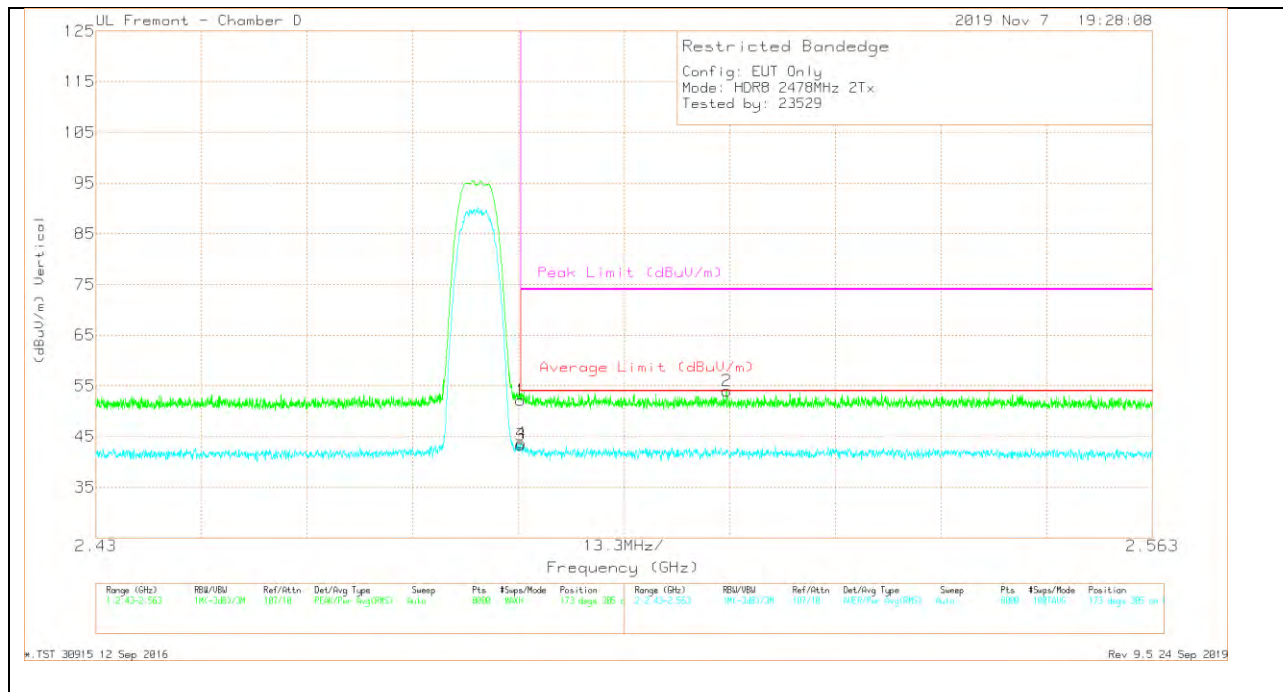
Pk - Peak detector

RMS - RMS detection

* TST 30915 12 Sep 2016

Rev 9.5 24 Sep 2019

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	40.27	Pk	32.4	-20.5	52.17	-	-	74	-21.83	173	305	V
3	* 2.48351	31.42	RMS	32.4	-20.5	43.32	54	-10.68	-	-	173	305	V
4	* 2.48354	31.81	RMS	32.4	-20.5	43.71	54	-10.29	-	-	173	305	V
2	2.50939	42.06	Pk	32.3	-20.4	53.96	-	-	74	-20.04	173	305	V

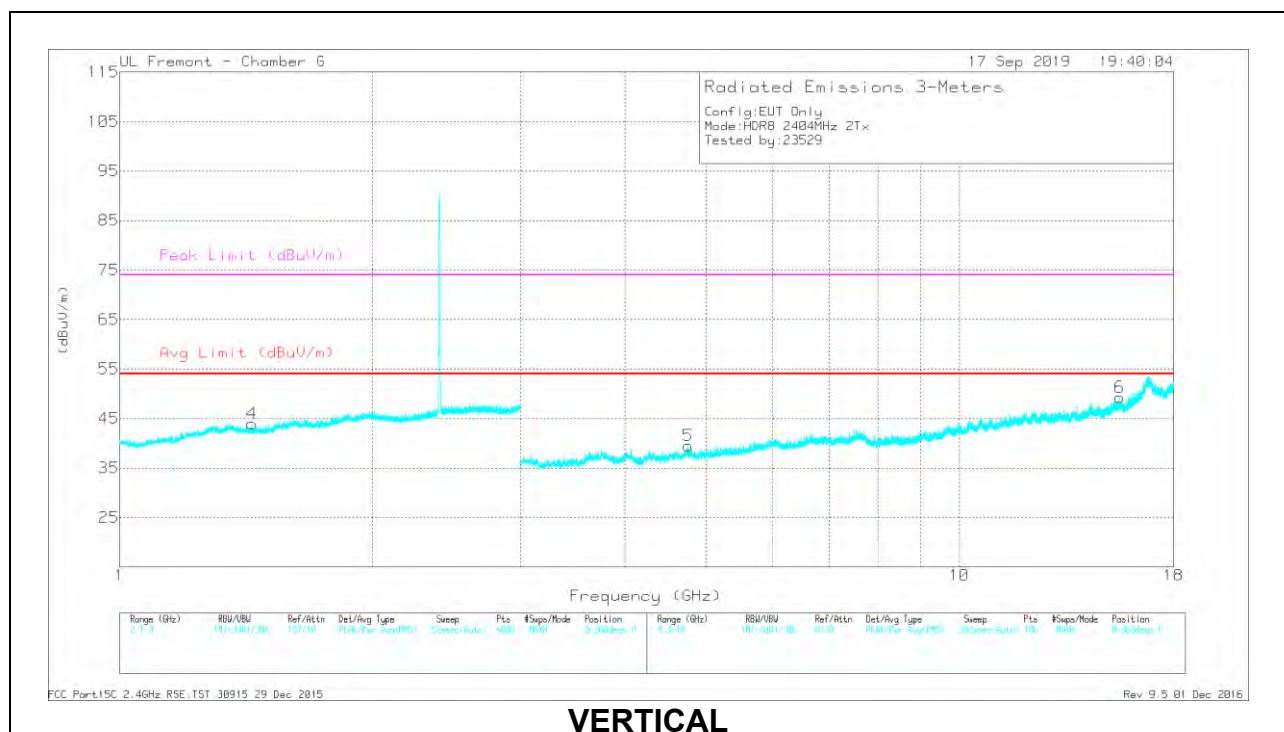
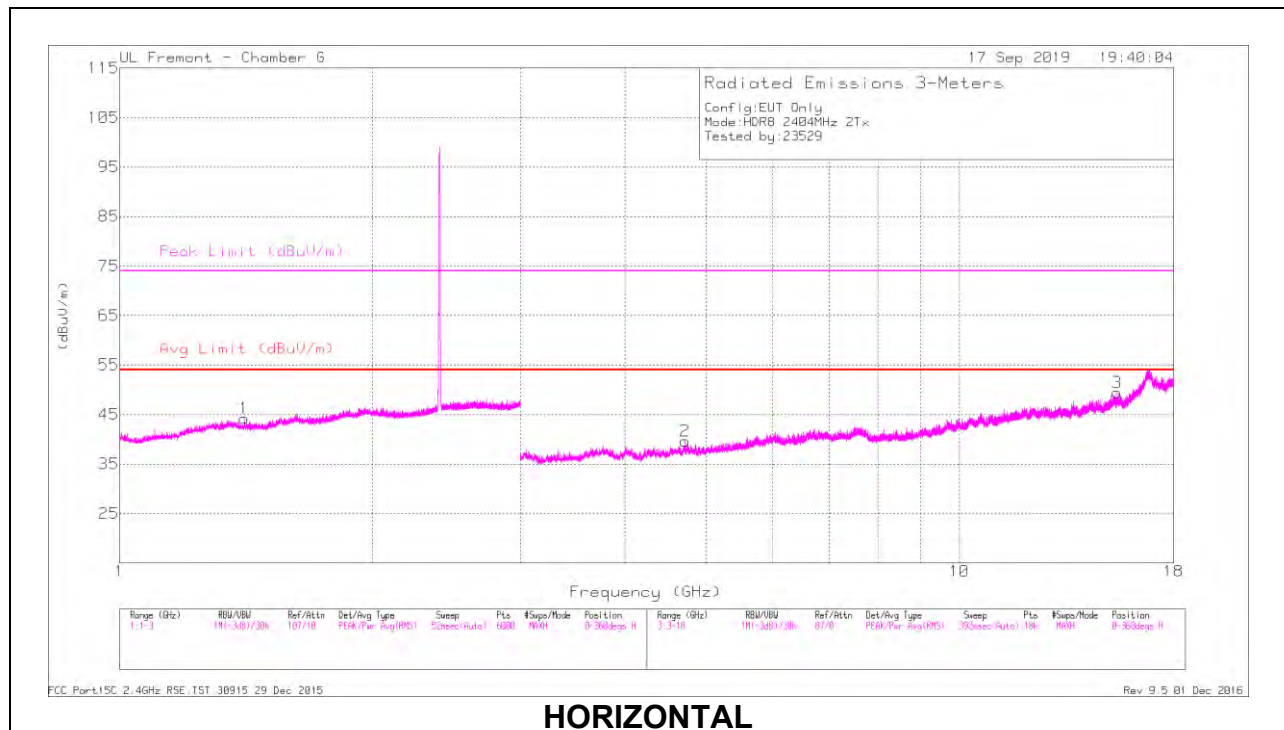
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

*.TST 30915 12 Sep 2016

Rev 9.5 24 Sep 2019

HARMONICS AND SPURIOUS EMISSIONS**LOW CHANNEL RESULTS**

RADIATED EMISSIONS

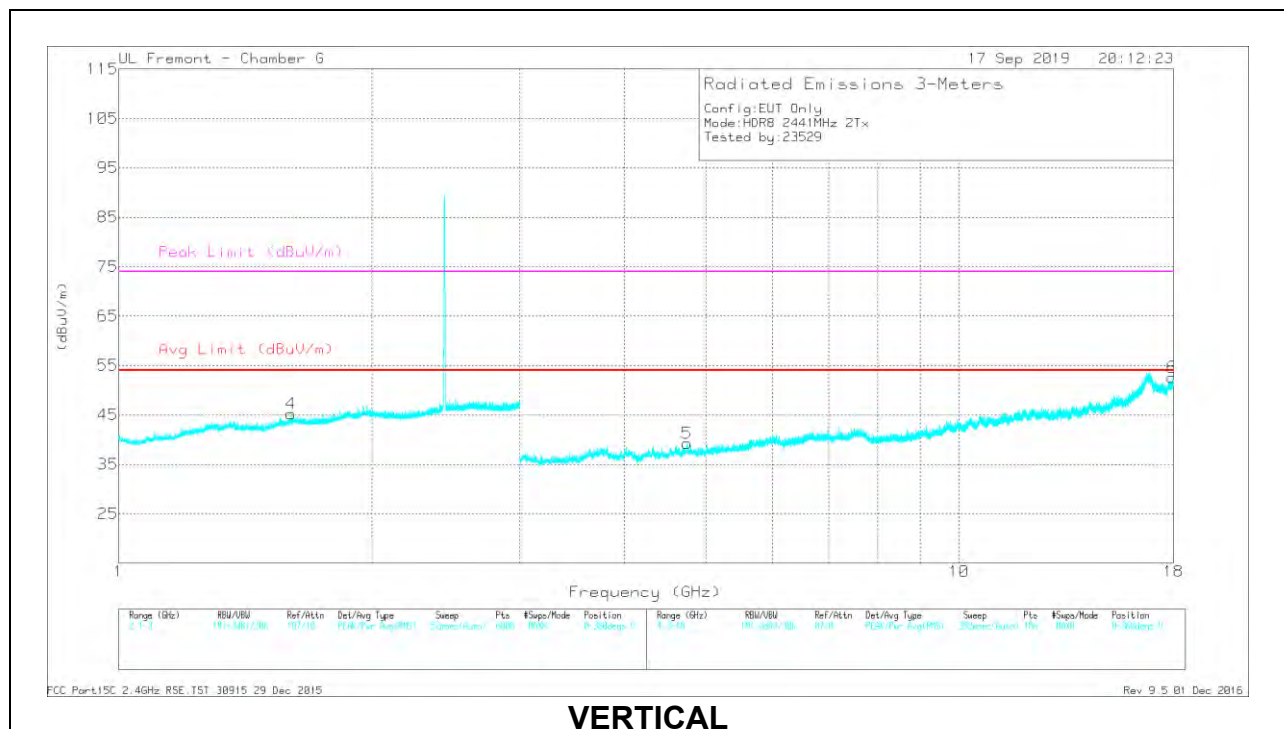
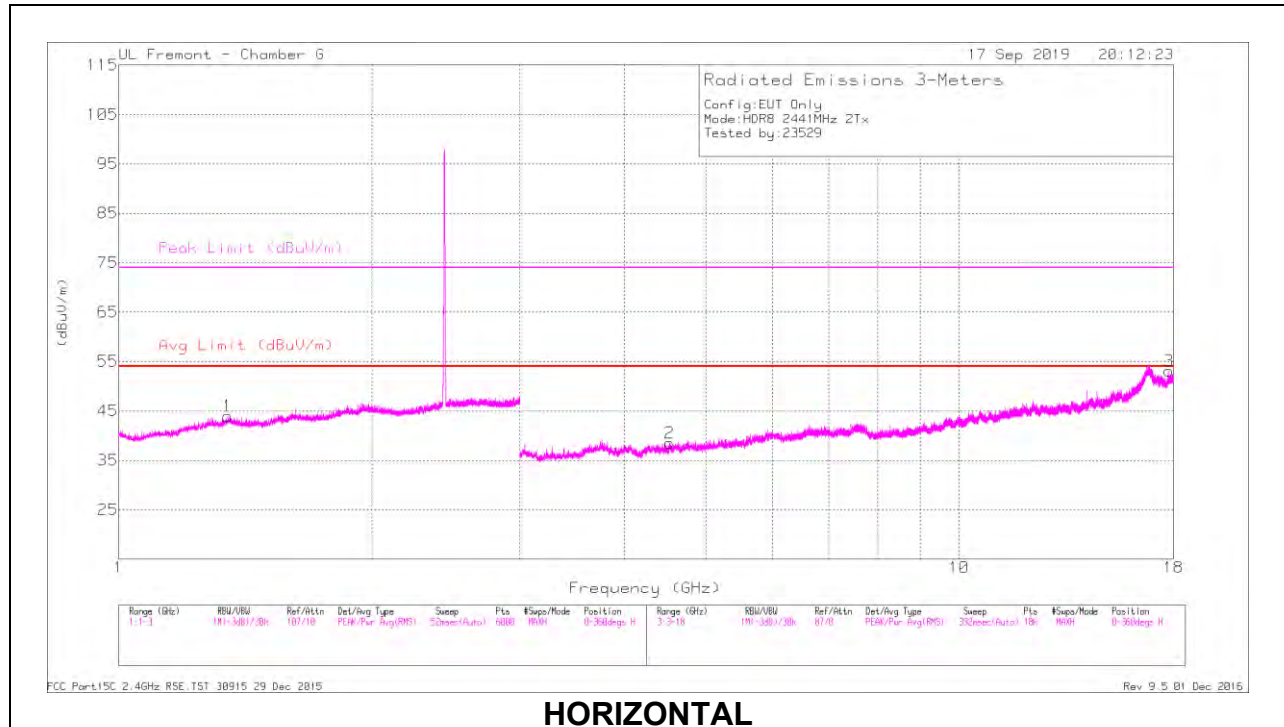
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.409	44.25	PK2	29	-22.9	50.35	-	-	74	-23.65	325	164	H
	* 1.407	32.58	MAv1	29	-22.9	38.68	54	-15.32	-	-	325	164	H
4	* 1.439	43.99	PK2	28.9	-22.7	50.19	-	-	74	-23.81	222	212	V
	* 1.438	32.55	MAv1	28.9	-22.7	38.75	54	-15.25	-	-	222	212	V
2	* 4.71	41.2	PK2	34	-29.5	45.7	-	-	74	-28.3	282	195	H
	* 4.71	30.06	MAv1	34	-29.5	34.56	54	-19.44	-	-	282	195	H
3	* 15.432	37.37	PK2	41.1	-22.7	55.77	-	-	74	-18.23	68	237	H
	* 15.432	25.97	MAv1	41.1	-22.7	44.37	54	-9.63	-	-	68	237	H
5	* 4.757	40.83	PK2	34.1	-29.6	45.33	-	-	74	-28.67	114	197	V
	* 4.759	29.65	MAv1	34	-29.5	34.15	54	-19.85	-	-	114	197	V
6	* 15.522	37.75	PK2	41.1	-23.1	55.75	-	-	74	-18.25	208	307	V
	* 15.523	25.97	MAv1	41.1	-23.1	43.97	54	-10.03	-	-	208	307	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

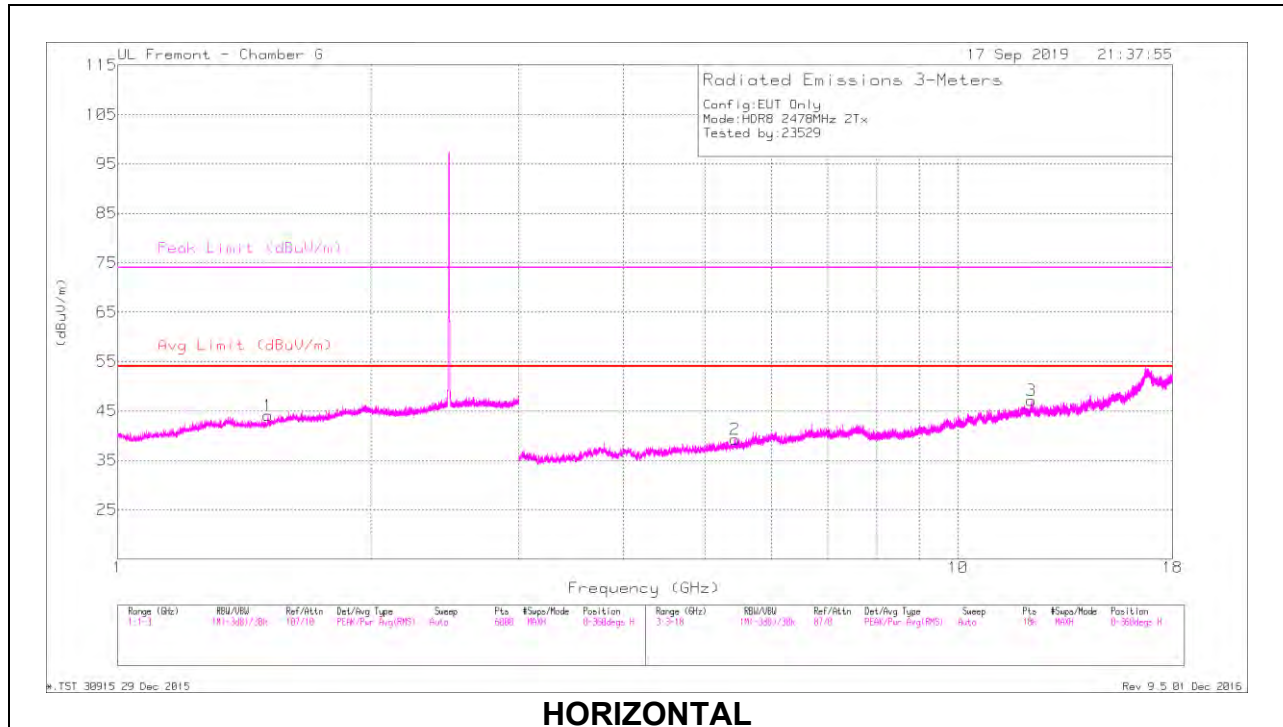
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.347	43.81	PK2	29.7	-23.3	50.21	-	-	74	-23.79	169	134	H
	* 1.347	32.8	MAv1	29.7	-23.3	39.2	54	-14.8	-	-	169	134	H
4	* 1.605	44.35	PK2	28.7	-21.1	51.95	-	-	74	-22.05	298	204	V
	* 1.602	32.26	MAv1	28.7	-21.2	39.76	54	-14.24	-	-	298	204	V
2	* 4.522	41.13	PK2	33.8	-30	44.93	-	-	74	-29.07	298	187	H
	* 4.524	30.09	MAv1	33.8	-30	33.89	54	-20.11	-	-	298	187	H
3	* 17.783	36.03	PK2	41.7	-18.4	59.33	-	-	74	-14.67	83	212	H
	* 17.782	24.38	MAv1	41.6	-18.4	47.58	54	-6.42	-	-	83	212	H
5	* 4.748	40.79	PK2	34	-29.6	45.19	-	-	74	-28.81	186	156	V
	* 4.748	29.81	MAv1	34	-29.6	34.21	54	-19.79	-	-	186	156	V
6	* 17.95	34.93	PK2	42	-17.8	59.13	-	-	74	-14.87	208	237	V
	* 17.951	23.7	MAv1	42	-17.8	47.9	54	-6.1	-	-	208	237	V

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

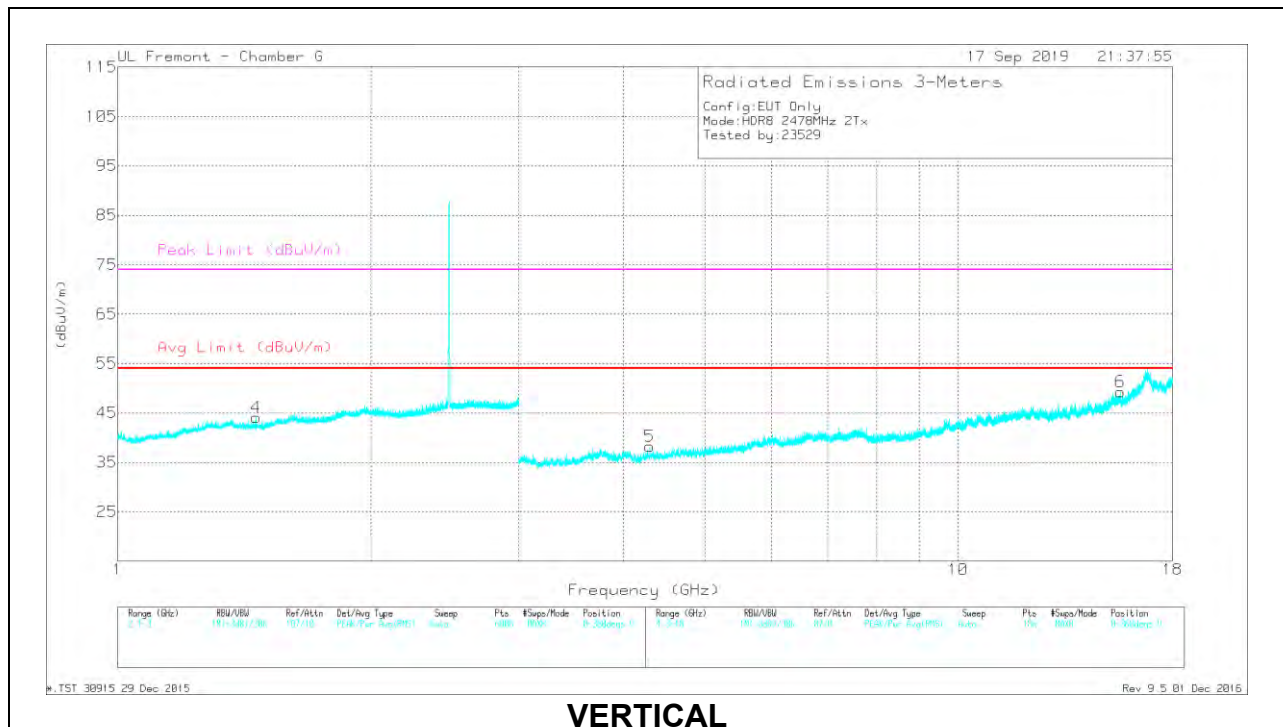
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.511	43.63	PK2	28.3	-21.9	50.03	-	-	74	-23.97	246	204	H
	* 1.51	32.33	MAv1	28.3	-21.9	38.73	54	-15.27	-	-	246	204	H
4	* 1.462	44.17	PK2	28.7	-22.4	50.47	-	-	74	-23.53	178	187	V
	* 1.461	32.37	MAv1	28.7	-22.5	38.57	54	-15.43	-	-	178	187	V
2	* 5.429	40.23	PK2	34.7	-29.1	45.83	-	-	74	-28.17	253	154	H
	* 5.431	29.64	MAv1	34.6	-29.1	35.14	54	-18.86	-	-	253	154	H
3	* 12.229	36.57	PK2	39	-22.3	53.27	-	-	74	-20.73	80	157	H
	* 12.228	25.36	MAv1	39	-22.3	42.06	54	-11.94	-	-	80	157	H
5	* 4.298	40.83	PK2	33.4	-29.3	44.93	-	-	74	-29.07	120	157	V
	* 4.3	29.55	MAv1	33.4	-29.3	33.65	54	-20.35	-	-	120	157	V
6	* 15.599	37.2	PK2	40.9	-22.6	55.5	-	-	74	-18.5	220	204	V
	* 15.599	26.18	MAv1	40.9	-22.6	44.48	54	-9.52	-	-	220	204	V

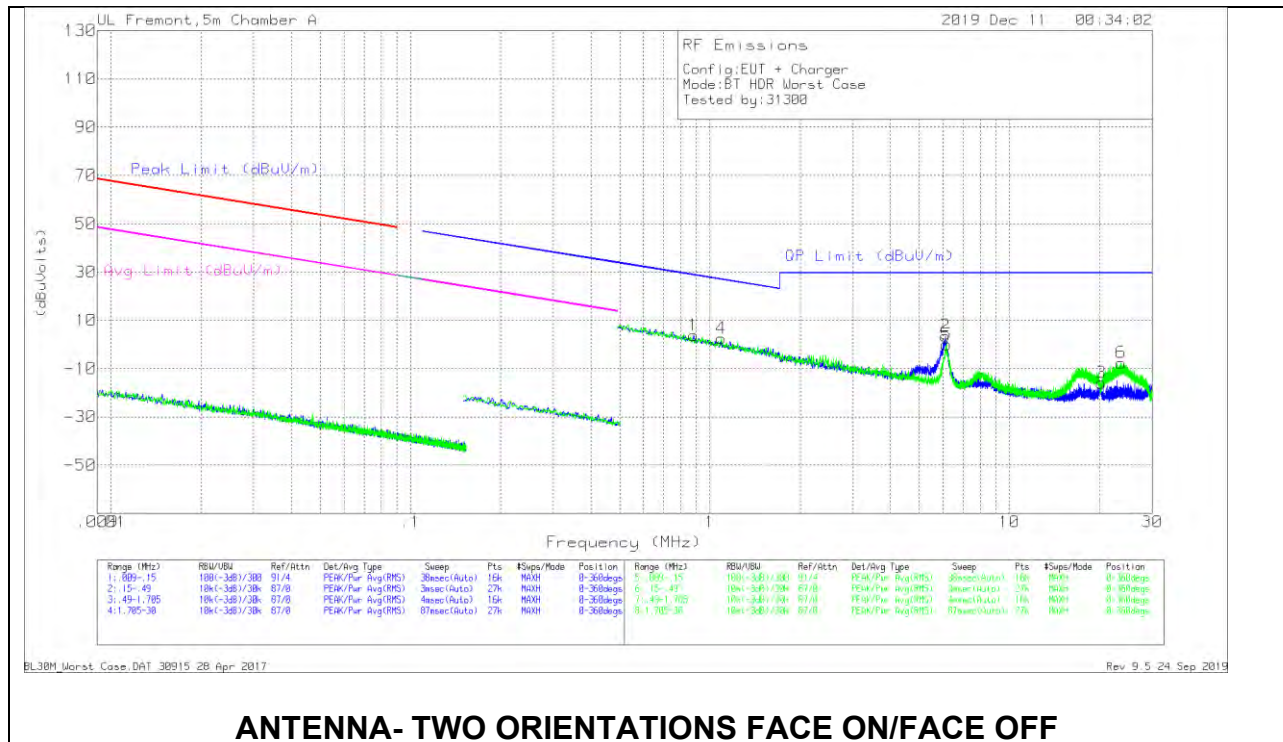
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

9.3. WORST CASE BELOW 30MHZ

SPURIOUS EMISSIONS BELOW 30 MHz (WORST-CASE CONFIGURATION)



ANTENNA- TWO ORIENTATIONS FACE ON/FACE OFF

Below 30MHz Data

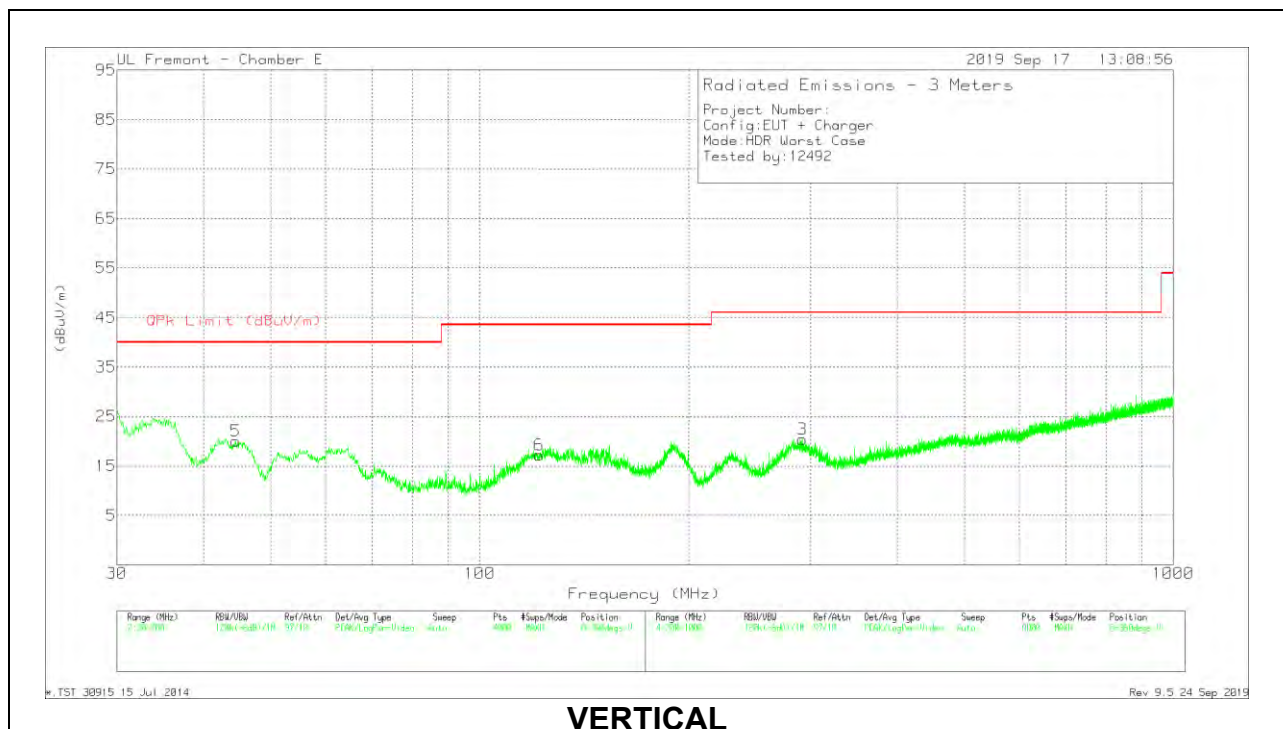
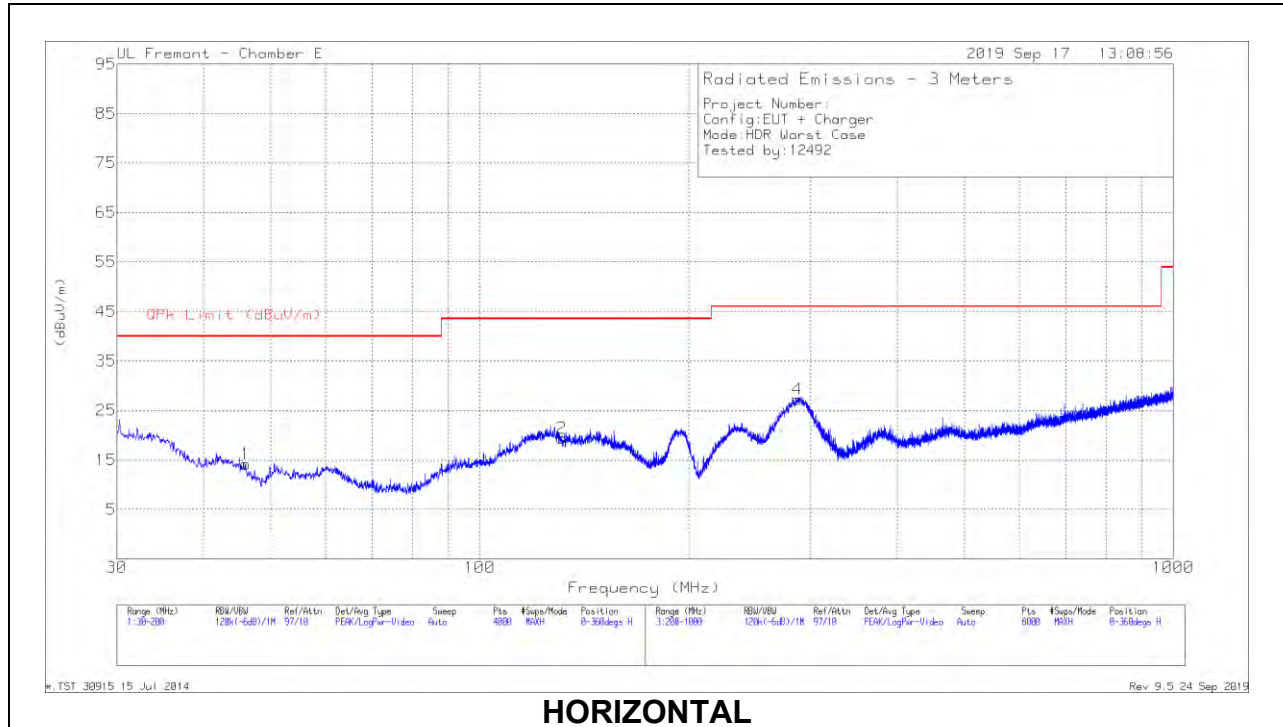
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cables (dB)	Dist Corr 30m	Corrected Reading (dBuVolts)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
1	.8822	32.72	Pk	10.9	.1	-40	3.72	28.71	-24.99	0-360
4	1.09044	31.49	Pk	10.9	.1	-40	2.49	26.87	-24.38	0-360
2	6.11289	32.64	Pk	10.6	.3	-40	3.54	29.5	-25.96	0-360
5	6.16267	29.13	Pk	10.6	.3	-40	.03	29.5	-29.47	0-360
3	20.28342	13.71	Pk	9.8	.6	-40	-15.89	29.5	-45.39	0-360
6	23.60401	22.32	Pk	9.4	.7	-40	-7.58	29.5	-37.08	0-360

Pk - Peak detector

BL30M_Worst Case.DAT 30915 28 Apr 2017
Rev 9.5 24 Sep 2019

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	45.9942	23.59	Qp	13.7	-31.7	21.79	40	-18.21	260	390	H
2	* 131.2204	23.16	Qp	17.6	-31	18.4	43.52	-25.12	341	284	H
5	44.5857	23.92	Qp	14.5	-31.7	22.63	40	-17.37	55	360	V
6	* 121.6921	23.14	Qp	17.8	-31	16.54	43.52	-26.98	266	384	V
4	287.1388	22.89	Qp	17.3	-30	10.19	46.02	-35.83	130	126	H
3	291.9861	22.86	Qp	17.3	-29.9	23.56	46.02	-22.46	321	203	V

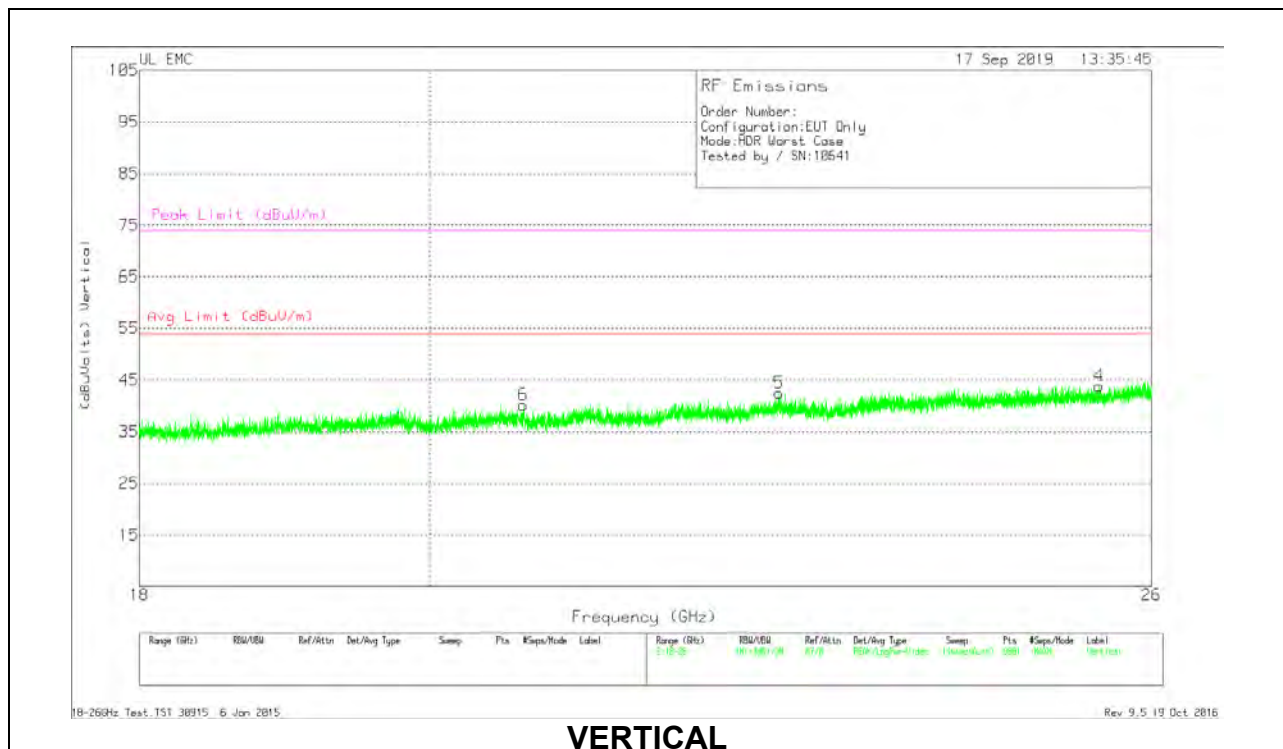
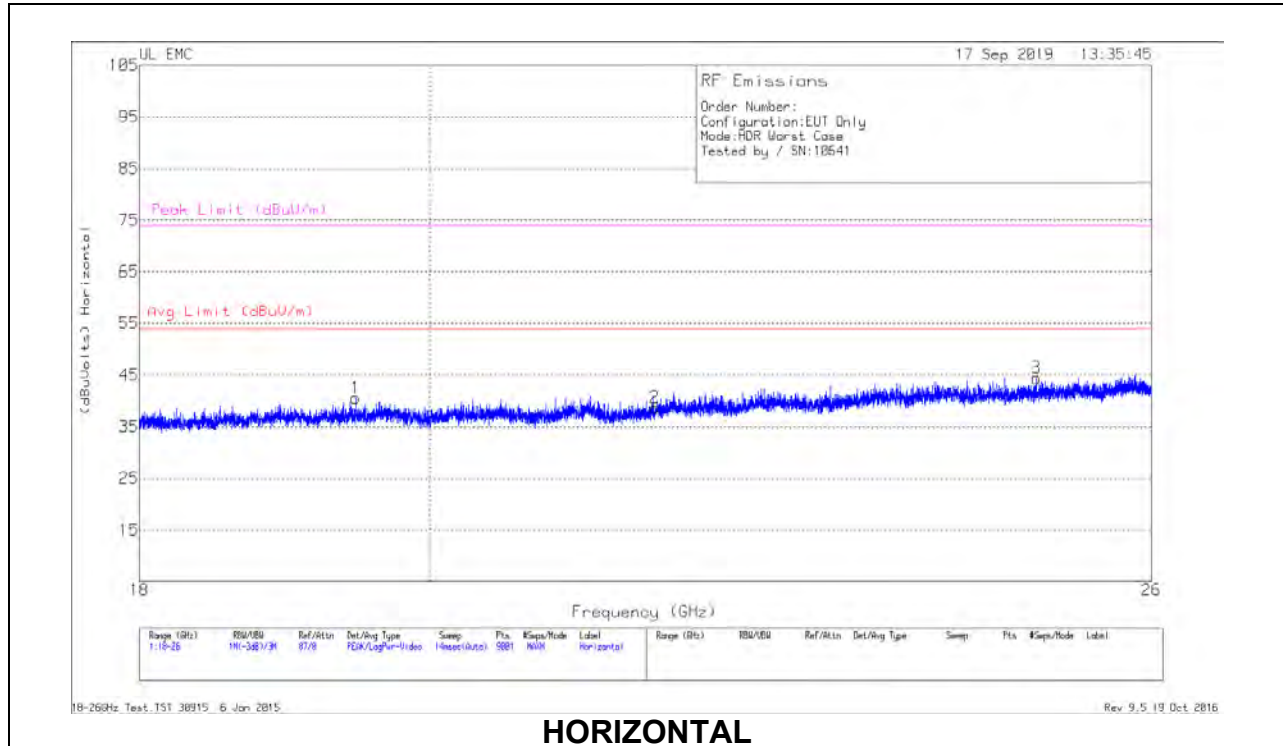
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

Qp - Quasi-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)
1	19.472	38.77	Pk	32.8	-21.5	-9.5	40.57	54	-13.43	74	-33.43
2	21.707	36.06	Pk	33.1	-21	-9.5	38.66	54	-15.34	74	-35.34
3	24.936	39.19	Pk	34.4	-19.7	-9.5	44.39	54	-9.61	74	-29.61
4	25.51	38.58	Pk	34.5	-19.7	-9.5	43.88	54	-10.12	74	-30.12
5	22.709	38.88	Pk	33.5	-20.4	-9.5	42.48	54	-11.52	74	-31.52
6	20.693	37.99	Pk	33	-21.3	-9.5	40.19	54	-13.81	74	-33.81

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.

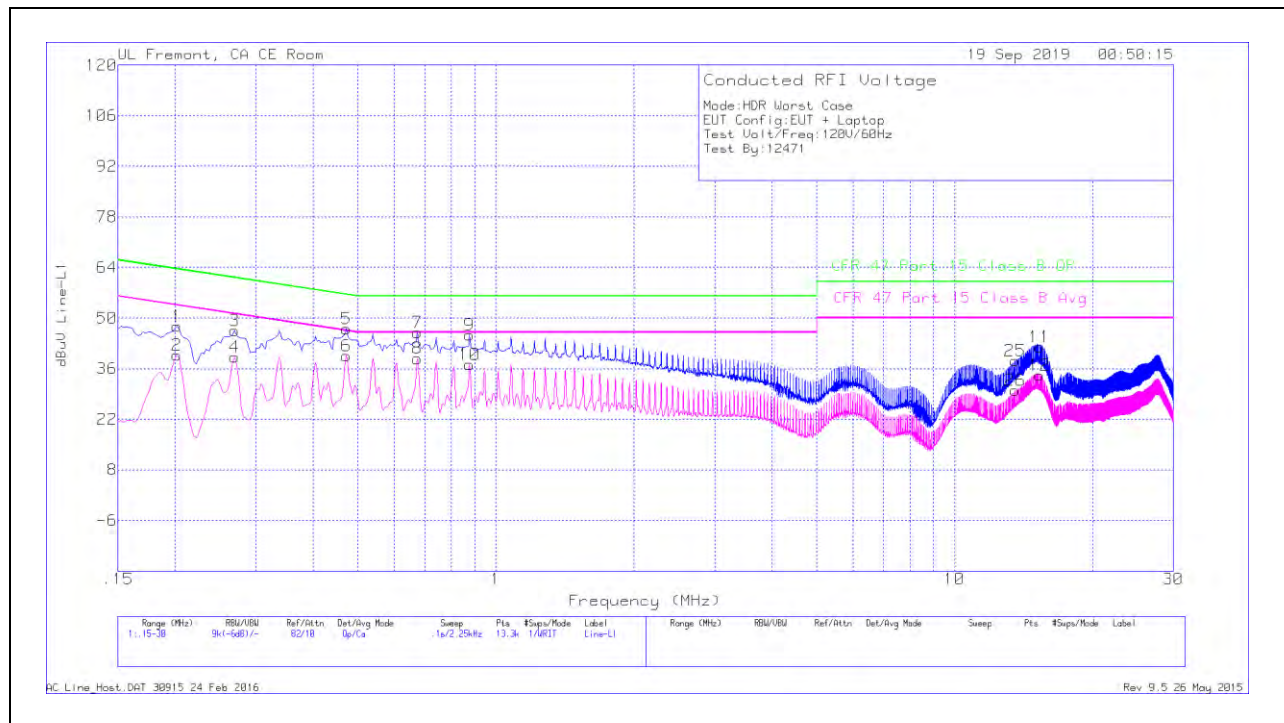
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

10.1.1. AC Power Line Host

LINE 1 RESULTS

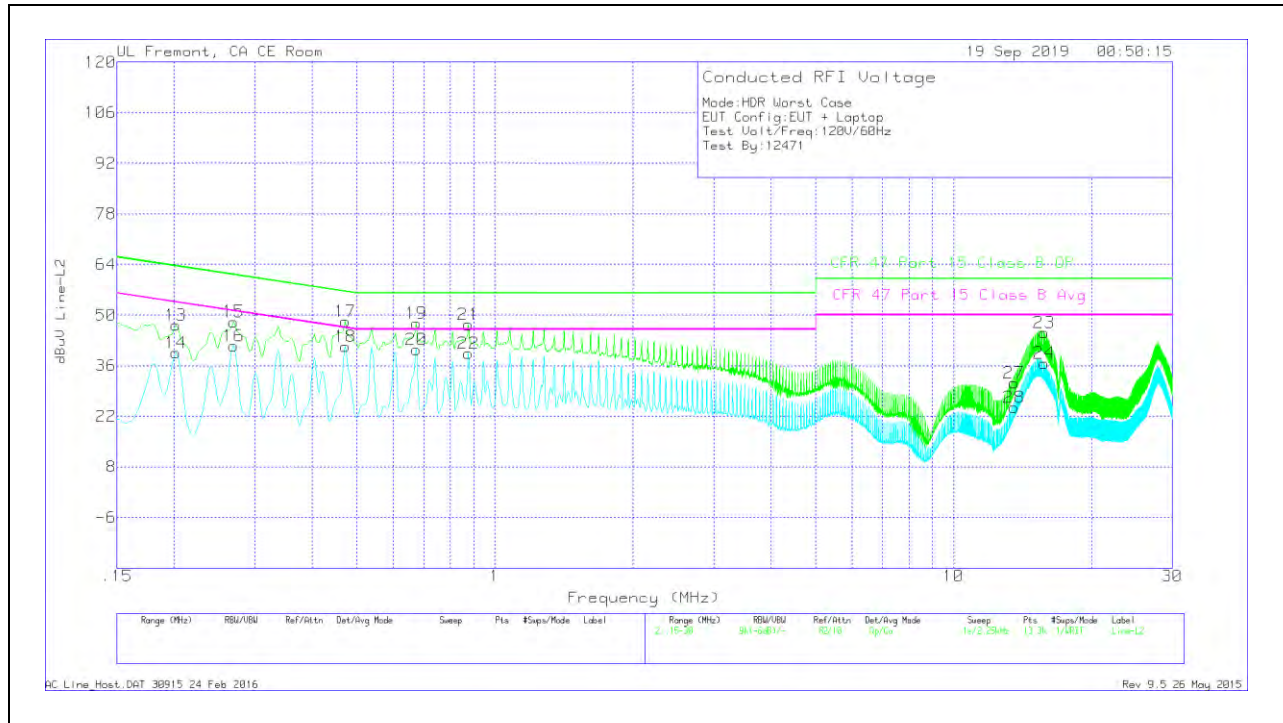


Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L1	LC Cables C1&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
1	.20175	37.67	Qp	0	0	10.1	47.77	63.54	-15.77	-	-
2	.20175	29.72	Ca	0	0	10.1	39.82	-	-	53.54	-13.72
3	.26925	36.49	Qp	0	0	10.1	46.59	61.14	-14.55	-	-
4	.26925	29.09	Ca	0	0	10.1	39.19	-	-	51.14	-11.95
5	.47175	36.96	Qp	0	0	10.1	47.06	56.48	-9.42	-	-
6	.47175	29.44	Ca	0	0	10.1	39.54	-	-	46.48	-6.94
7	.67425	35.89	Qp	0	0	10.1	45.99	56	-10.01	-	-
8	.67425	28.69	Ca	0	0	10.1	38.79	-	-	46	-7.21
9	.87675	35.26	Qp	0	0	10.1	45.36	56	-10.64	-	-
10	.87675	27.06	Ca	0	0	10.1	37.16	-	-	46	-8.84
11	15.3127	31.46	Qp	.1	.3	10.2	42.06	60	-17.94	-	-
12	15.3127	23.54	Ca	.1	.3	10.2	34.14	-	-	50	-15.86
*25	13.56	27.74	Qp	.1	.2	10.2	38.24	60	-21.76	-	-
*26	13.56	19.58	Ca	.1	.2	10.2	30.08	-	-	50	-19.92

Qp - Quasi-Peak detector
Ca - CISPR average detection

*Indicates UL RFID Signal. Not from device.

LINE 2 RESULTS



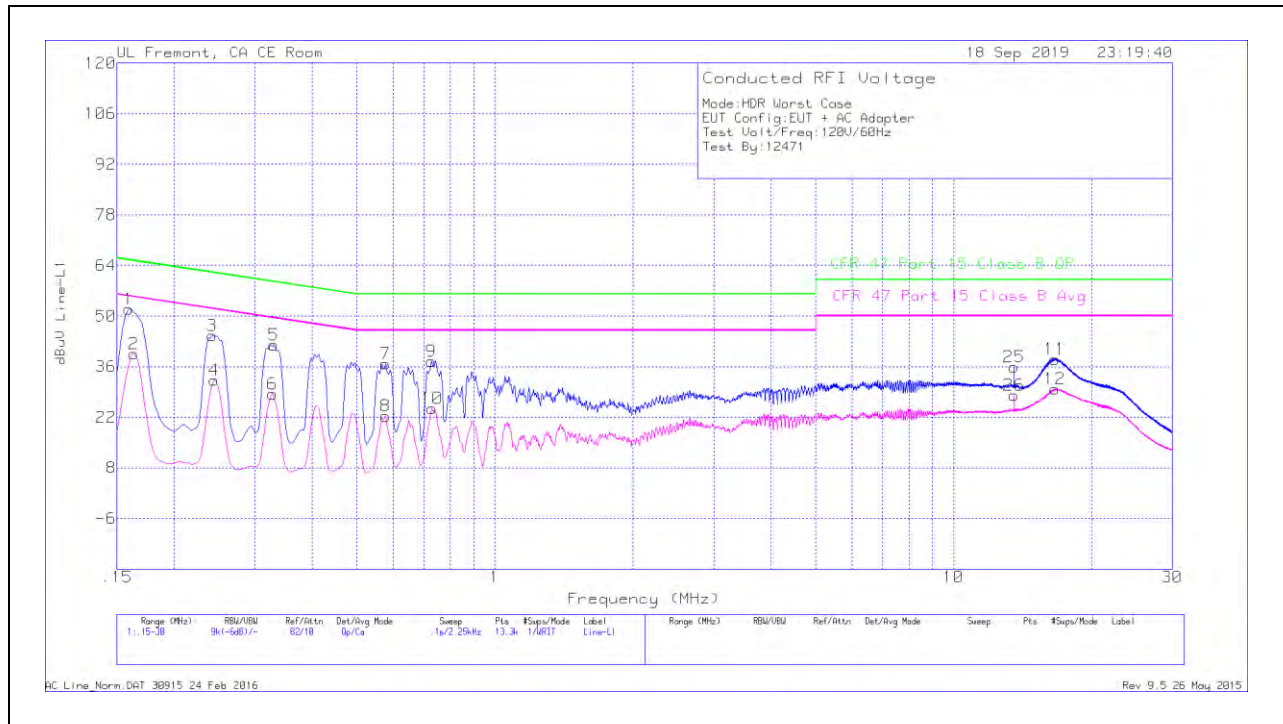
Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L2	LC Cables C2&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
13	.20175	37.07	Qp	0	0	10.1	47.17	63.54	-16.37	-	-
14	.20175	29.39	Ca	0	0	10.1	39.49	-	-	53.54	-14.05
15	.26925	38.07	Qp	0	0	10.1	48.17	61.14	-12.97	-	-
16	.26925	31.45	Ca	0	0	10.1	41.55	-	-	51.14	-9.59
17	.47175	38.08	Qp	0	0	10.1	48.18	56.48	-8.3	-	-
18	.47175	31.15	Ca	0	0	10.1	41.25	-	-	46.48	-5.23
19	.67425	37.7	Qp	0	0	10.1	47.8	56	-8.2	-	-
20	.67425	30.31	Ca	0	0	10.1	40.41	-	-	46	-5.59
21	.87675	37.21	Qp	0	0	10.1	47.31	56	-8.69	-	-
22	.87675	29.26	Ca	0	0	10.1	39.36	-	-	46	-6.64
23	15.7672	34.47	Qp	.1	.3	10.3	45.17	60	-14.83	-	-
24	15.7672	26	Ca	.1	.3	10.3	36.7	-	-	50	-13.3
*27	13.56	20.8	Qp	.1	.2	10.2	31.3	60	-28.7	-	-
*28	13.56	13.99	Ca	.1	.2	10.2	24.49	-	-	50	-25.51

Qp - Quasi-Peak detector
Ca - CISPR average detection

*Indicates UL RFID Signal. Not from device.

10.1.2. AC Power Line Norm

LINE 1 RESULTS

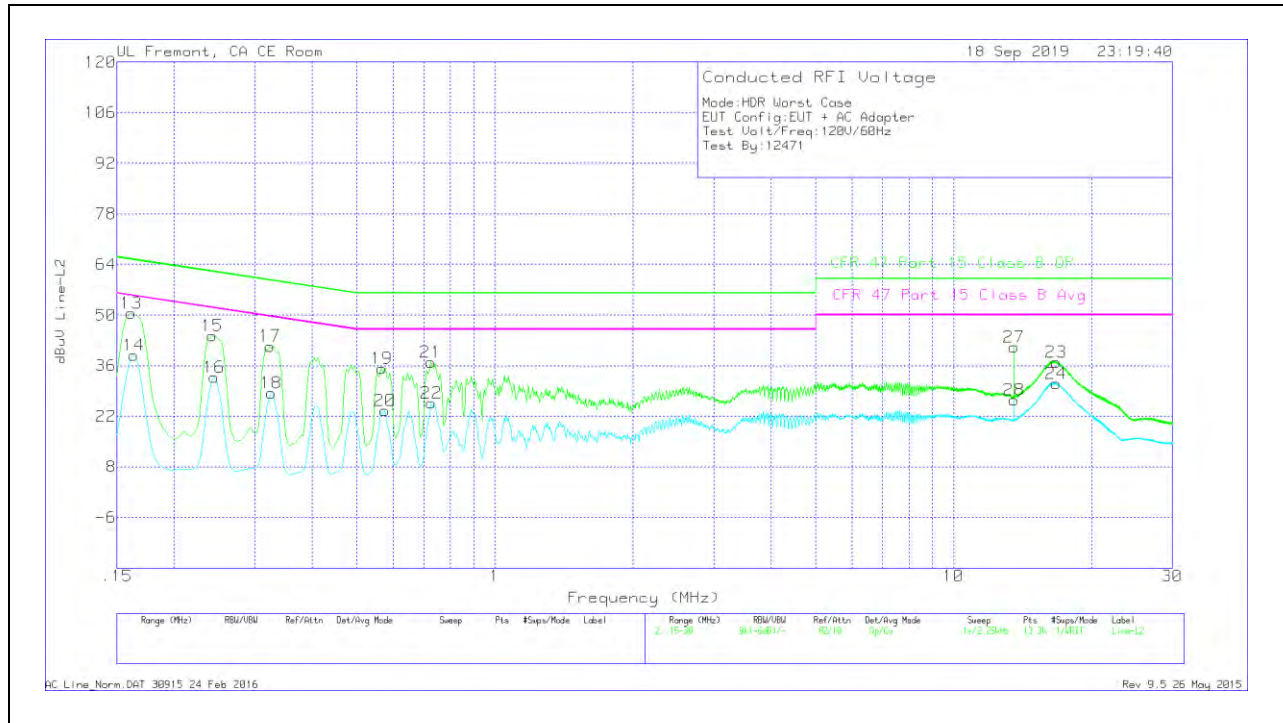


Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L1	LC Cables C1&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
1	.159	41.7	Qp	.1	0	10.1	51.9	65.52	-13.62	-	-
2	.1635	29.34	Ca	.1	0	10.1	39.54	-	-	55.28	-15.74
3	.24225	34.55	Qp	0	0	10.1	44.65	62.02	-17.37	-	-
4	.2445	22.2	Ca	0	0	10.1	32.3	-	-	51.94	-19.64
5	.33	31.89	Qp	0	0	10.1	41.99	59.45	-17.46	-	-
6	.32775	18.4	Ca	0	0	10.1	28.5	-	-	49.51	-21.01
7	.5775	26.75	Qp	0	0	10.1	36.85	56	-19.15	-	-
8	.5775	12.18	Ca	0	0	10.1	22.28	-	-	46	-23.72
9	.72825	27.43	Qp	0	0	10.1	37.53	56	-18.47	-	-
10	.7305	14.28	Ca	0	0	10.1	24.38	-	-	46	-21.62
11	16.629	27.39	Qp	.1	.3	10.3	38.09	60	-21.91	-	-
12	16.6245	19.08	Ca	.1	.3	10.3	29.78	-	-	50	-20.22
*25	13.56	25.41	Qp	.1	.2	10.2	35.91	60	-24.09	-	-
*26	13.56	17.52	Ca	.1	.2	10.2	28.02	-	-	50	-21.98

Qp - Quasi-Peak detector
Ca - CISPR average detection

*Indicates UL RFID Signal. Not from device.

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	.16125	40.27	Qp	.1	0	10.1	50.47	65.4	-14.93	-	-
14	.1635	28.68	Ca	.1	0	10.1	38.88	-	-	55.28	-16.4
15	.24225	34.21	Qp	0	0	10.1	44.31	62.02	-17.71	-	-
16	.2445	22.69	Ca	0	0	10.1	32.79	-	-	51.94	-19.15
17	.32325	31.29	Qp	0	0	10.1	41.39	59.62	-18.23	-	-
18	.3255	18.4	Ca	0	0	10.1	28.5	-	-	49.57	-21.07
19	.56625	25.13	Qp	0	0	10.1	35.23	56	-20.77	-	-
20	.57525	13.45	Ca	0	0	10.1	23.55	-	-	46	-22.45
21	.726	26.94	Qp	0	0	10.1	37.04	56	-18.96	-	-
22	.72825	15.49	Ca	0	0	10.1	25.59	-	-	46	-20.41
23	16.7482	26.22	Qp	.1	.3	10.3	36.92	60	-23.08	-	-
24	16.7482	20.36	Ca	.1	.3	10.3	31.06	-	-	50	-18.94
27	13.56	30.68	Qp	.1	.2	10.2	41.18	60	-18.82	-	-
28	13.56	16.02	Ca	.1	.2	10.2	26.52	-	-	50	-23.48

Qp - Quasi-Peak detector
Ca - CISPR average detection

*Indicates UL RFID Signal. Not from device.

11. SETUP PHOTOS

Please refer to 13018973-EP1V1 FCC IC Setup_Photos for setup photos

END OF TEST REPORT