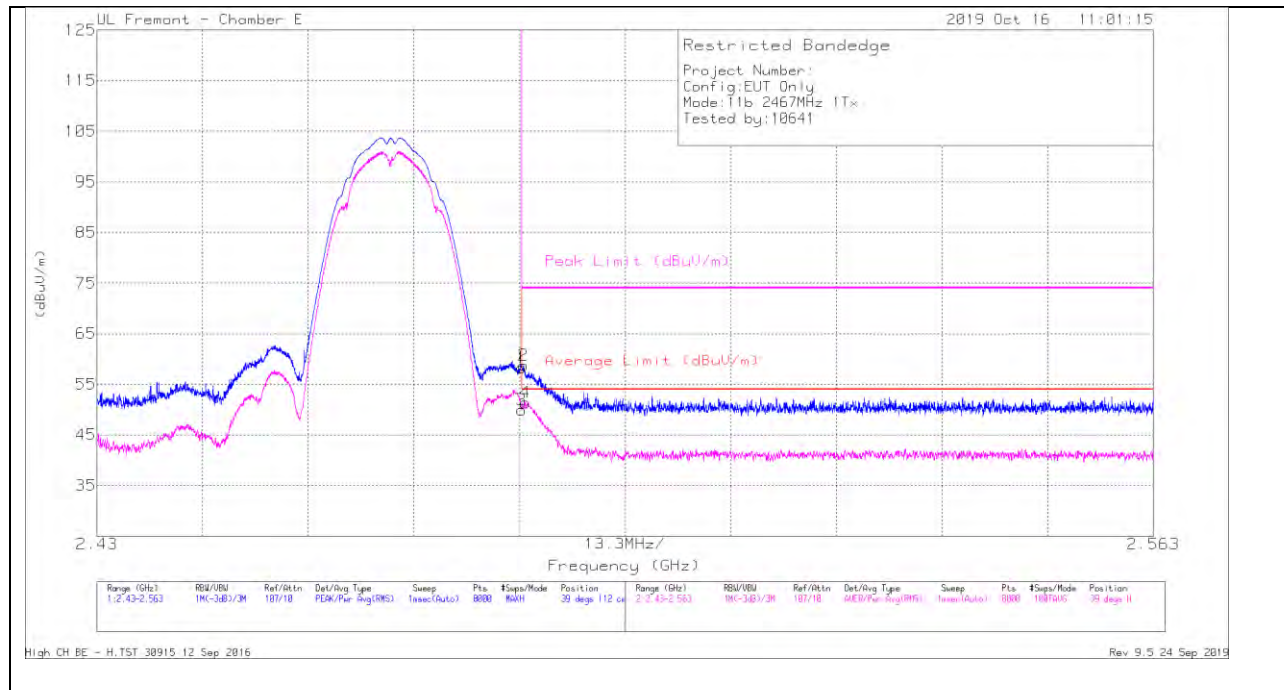


BANDEDGE (HIGH CHANNEL, CH 12)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	51.6	Pk	32.8	-26.2	58.2	-	-	74	-15.8	39	112	H
2	* 2.48369	52.09	Pk	32.8	-26.2	58.69	-	-	74	-15.31	39	112	H
3	* 2.48351	43.35	RMS	32.8	-26.2	49.95	54	-4.05	-	-	39	112	H
4	* 2.48392	44.75	RMS	32.8	-26.2	51.35	54	-2.65	-	-	39	112	H

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

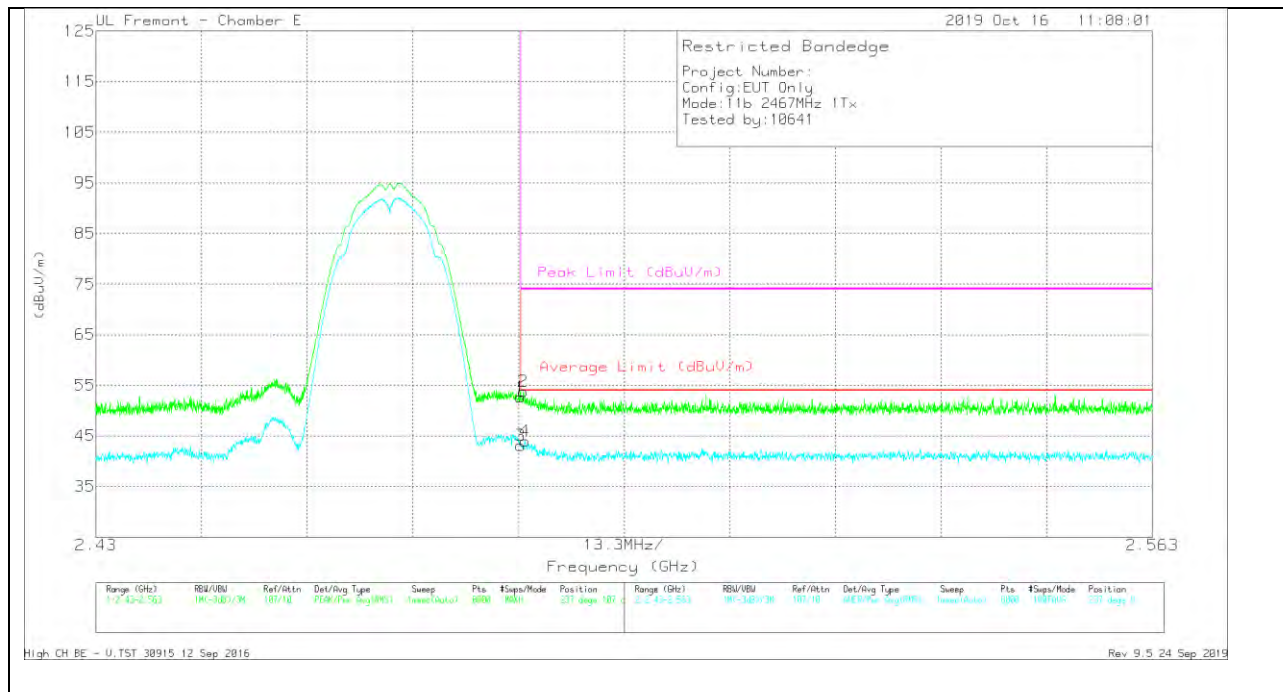
Pk - Peak detector

RMS - RMS detection

High CH BE - H.TST 30915 12 Sep 2016

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VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	46.1	Pk	32.8	-26.2	52.7	-	-	74	-21.3	237	107	V
2	* 2.48382	47.22	Pk	32.8	-26.2	53.82	-	-	74	-20.18	237	107	V
3	* 2.48351	36.49	RMS	32.8	-26.2	43.09	54	-10.91	-	-	237	107	V
4	* 2.484	37.41	RMS	32.8	-26.2	44.01	54	-9.99	-	-	237	107	V

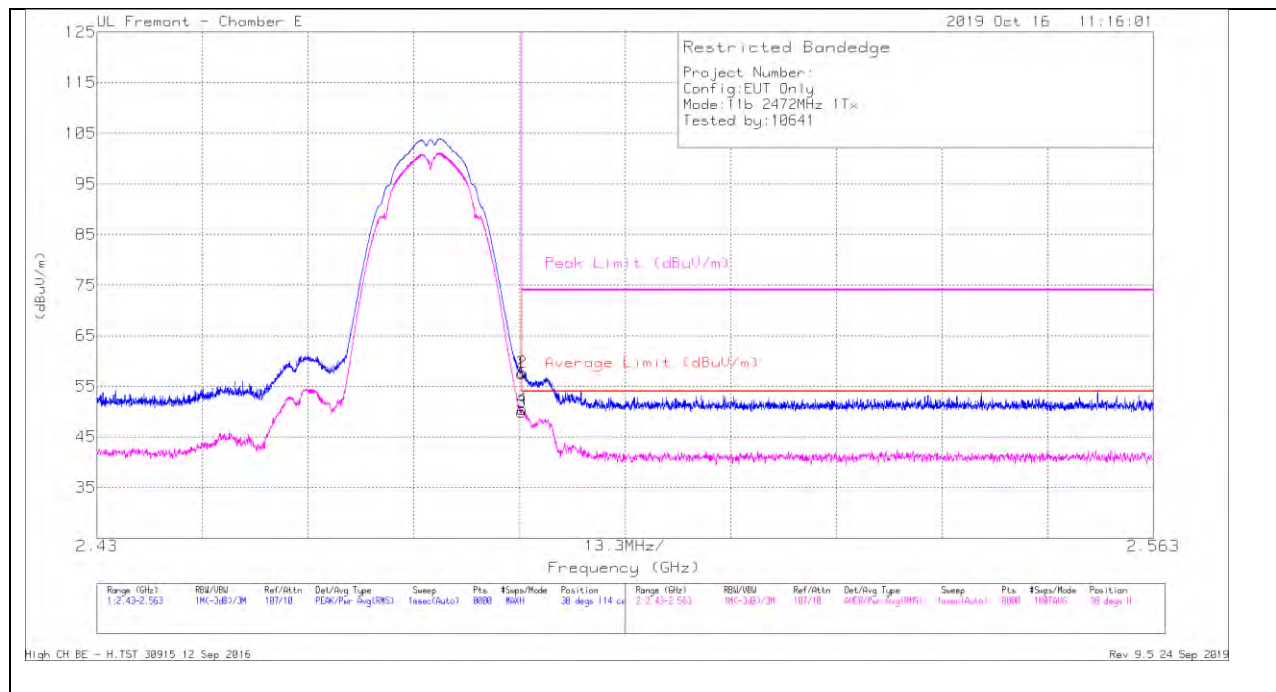
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

High CH BE - V.TST 30915 12 Sep 2016

Rev 9.5 24 Sep 2019

BANDEDGE (HIGH CHANNEL, CH 13)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	50.89	Pk	32.8	-26.2	57.49	-	-	74	-16.51	38	114	H
2	* 2.48354	51.17	Pk	32.8	-26.2	57.77	-	-	74	-16.23	38	114	H
3	* 2.48351	43.32	RMS	32.8	-26.2	49.92	54	-4.08	-	-	38	114	H
4	* 2.48356	43.88	RMS	32.8	-26.2	50.48	54	-3.52	-	-	38	114	H

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

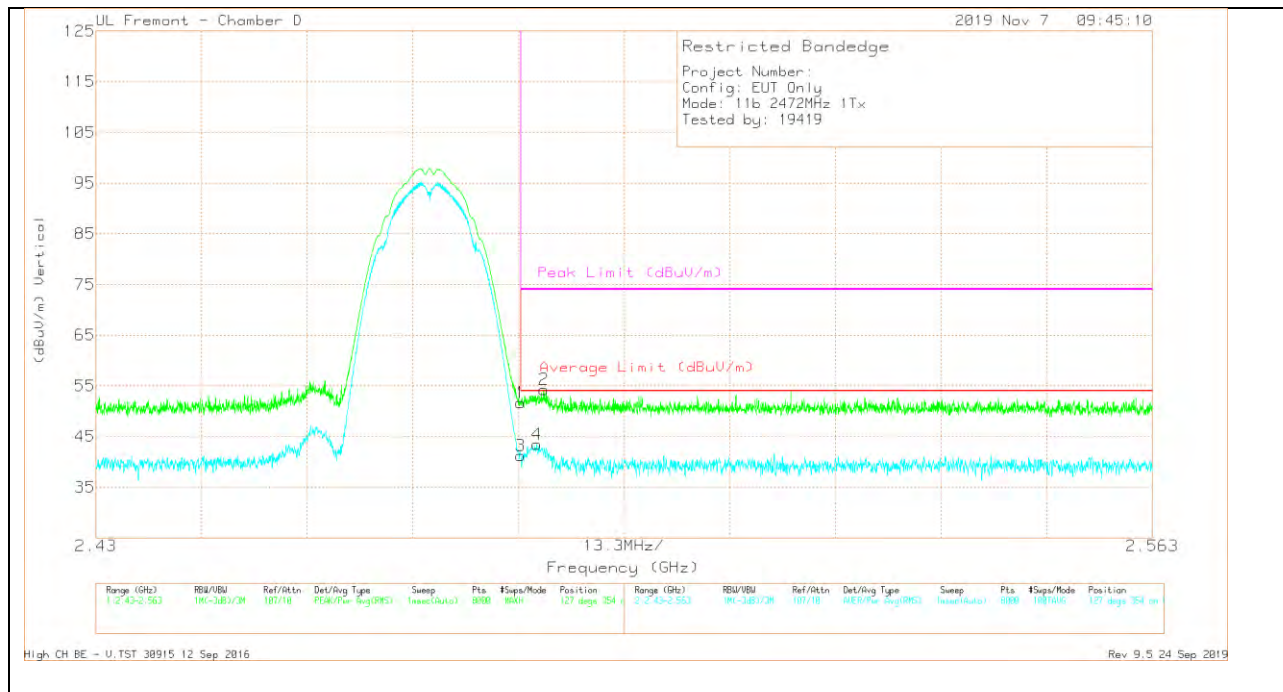
Pk - Peak detector

RMS - RMS detection

High CH BE - H.TST 30915 12 Sep 2016

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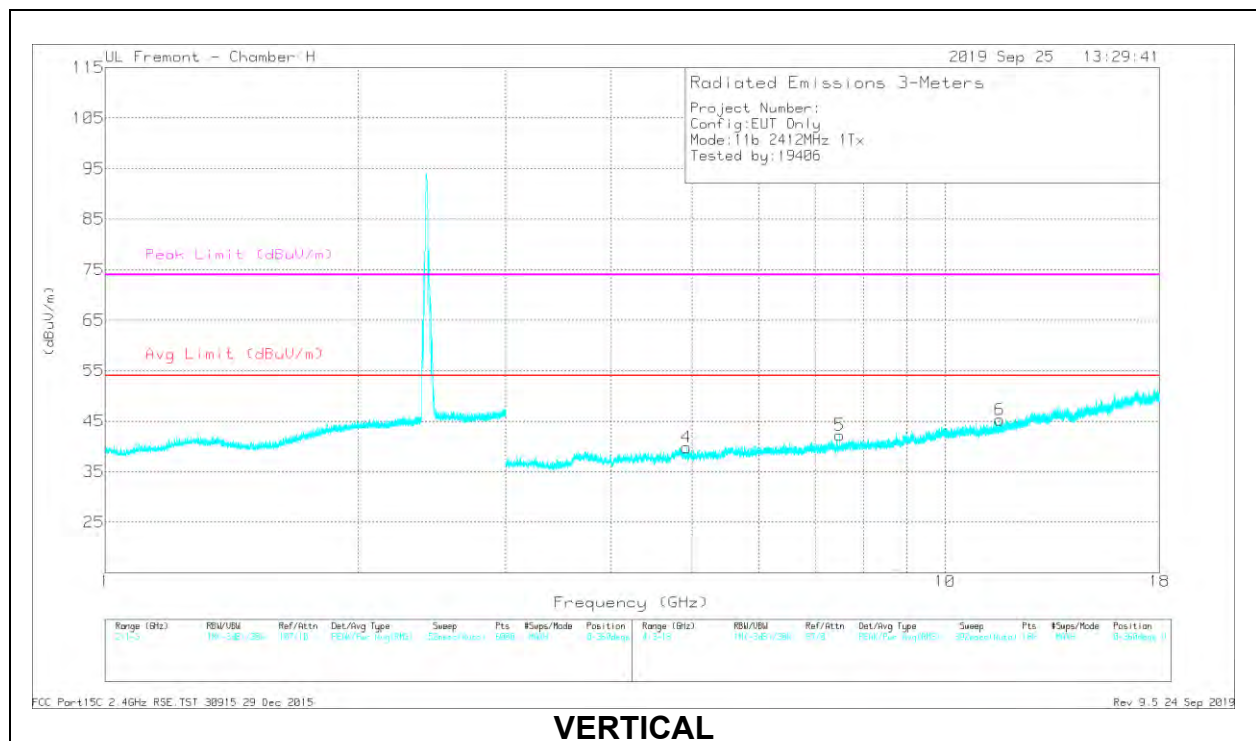
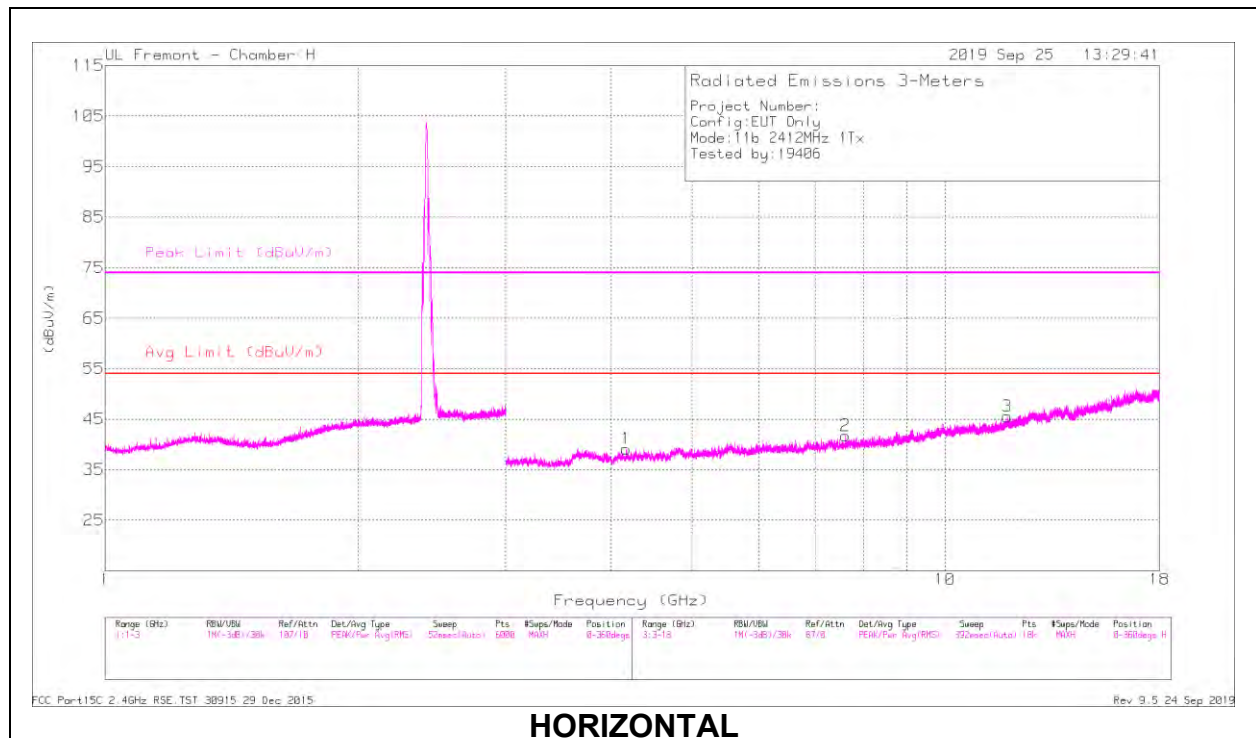
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/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	39.77	Pk	32.4	-20.5	51.67	-	-	74	-22.33	127	354	V
2	* 2.48637	42.42	Pk	32.3	-20.5	54.22	-	-	74	-19.78	127	354	V
3	* 2.48351	29.32	RMS	32.4	-20.5	41.22	54	-12.78	-	-	127	354	V
4	* 2.4855	31.71	RMS	32.3	-20.5	43.51	54	-10.49	-	-	127	354	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
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HARMONICS AND SPURIOUS EMISSIONS**LOW CHANNEL, CH 1 RESULTS**

RADIATED EMISSIONS

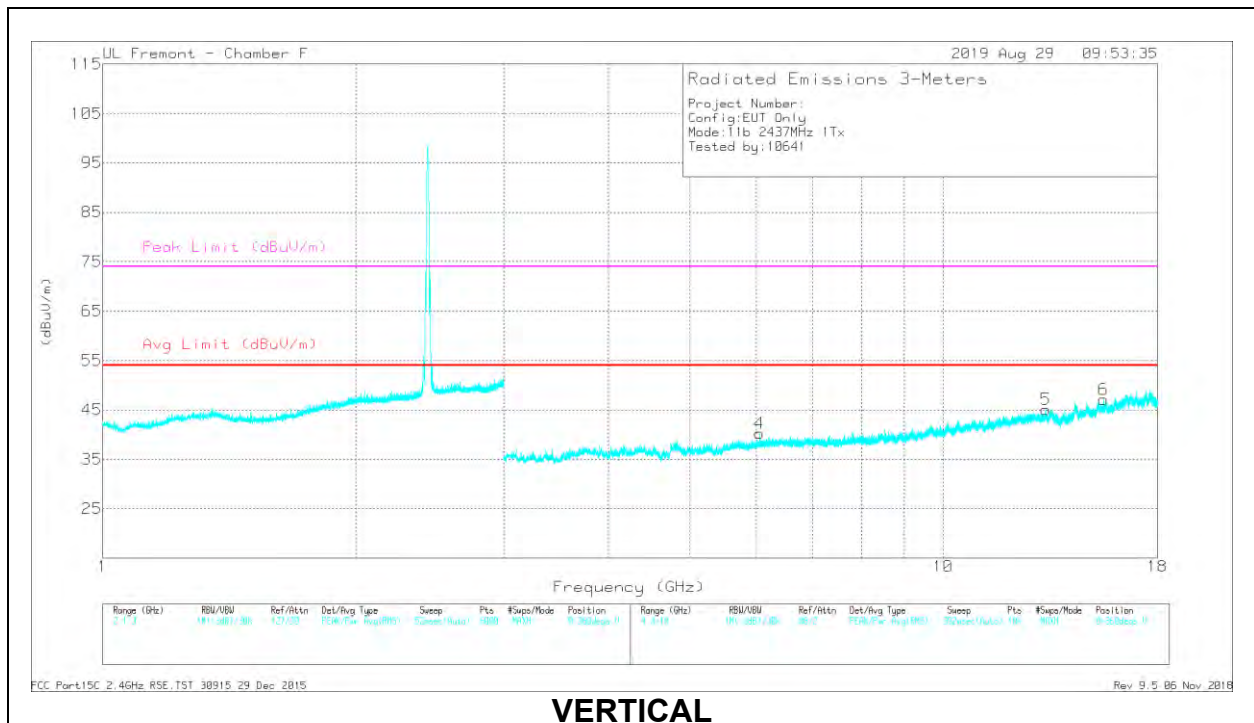
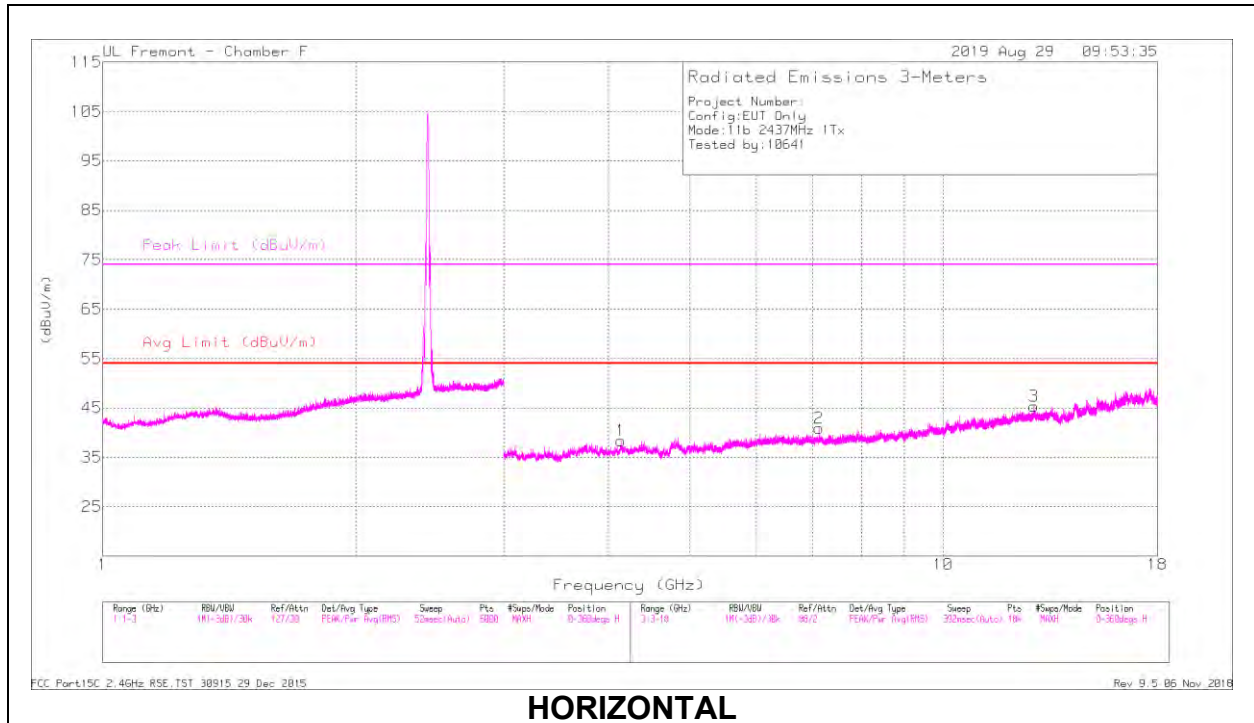
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT863 (dB/m)	Ampl/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.17004	41.93	PK2	33.4	-30.7	44.63	-	-	74	-29.37	227	348	H
	* 4.17134	30.91	MAv1	33.5	-30.7	33.71	54	-20.29	-	-	227	348	H
2	* 7.60398	38.53	PK2	36.1	-27.6	47.03	-	-	74	-26.97	67	156	H
	* 7.6055	27.68	MAv1	36.1	-27.6	36.18	54	-17.82	-	-	67	156	H
3	* 11.86888	36.01	PK2	38.5	-22.7	51.81	-	-	74	-22.19	294	227	H
	* 11.8696	24.94	MAv1	38.5	-22.7	40.74	54	-13.26	-	-	294	227	H
4	* 4.92635	40.9	PK2	34.2	-29.9	45.2	-	-	74	-28.8	113	376	V
	* 4.92679	30.11	MAv1	34.2	-29.9	34.41	54	-19.59	-	-	113	376	V
5	* 7.48848	40.06	PK2	36	-27.6	48.46	-	-	74	-25.54	351	113	V
	* 7.48859	27.87	MAv1	36	-27.6	36.27	54	-17.73	-	-	351	113	V
6	* 11.62297	36.36	PK2	38.4	-23.2	51.56	-	-	74	-22.44	167	248	V
	* 11.61996	25.02	MAv1	38.4	-23.2	40.22	54	-13.78	-	-	167	248	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, CH 6 RESULTS



RADIATED EMISSIONS

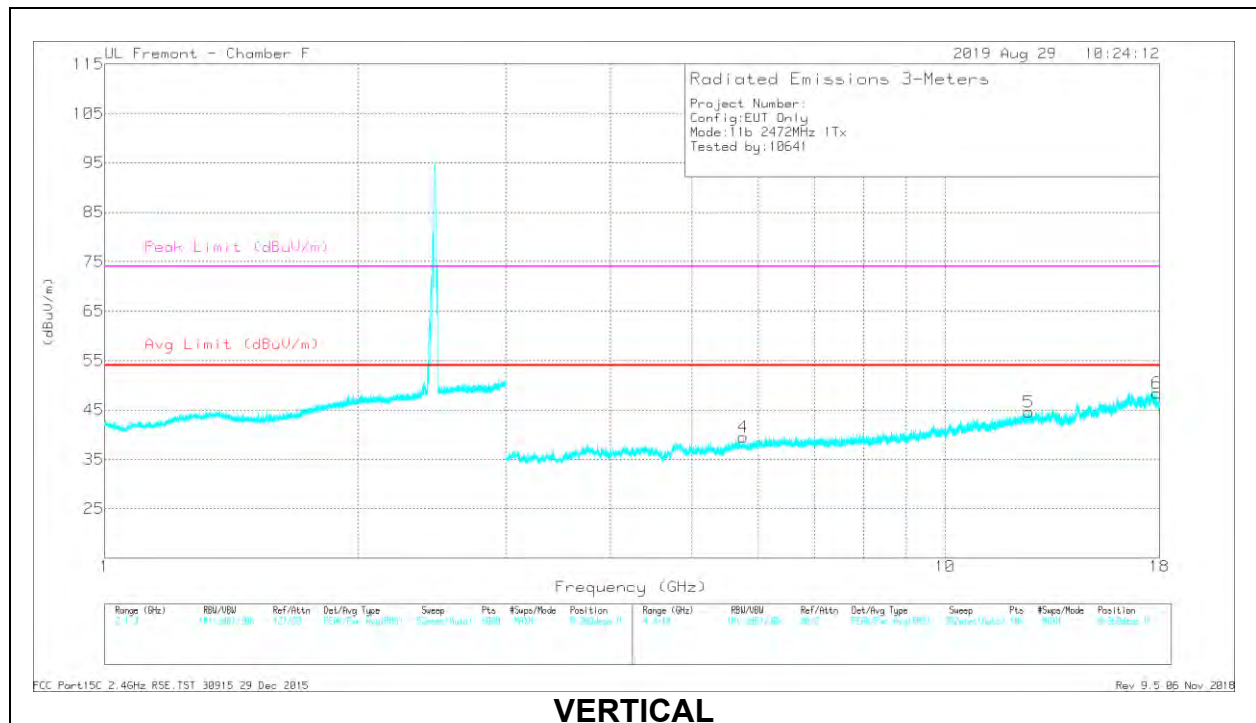
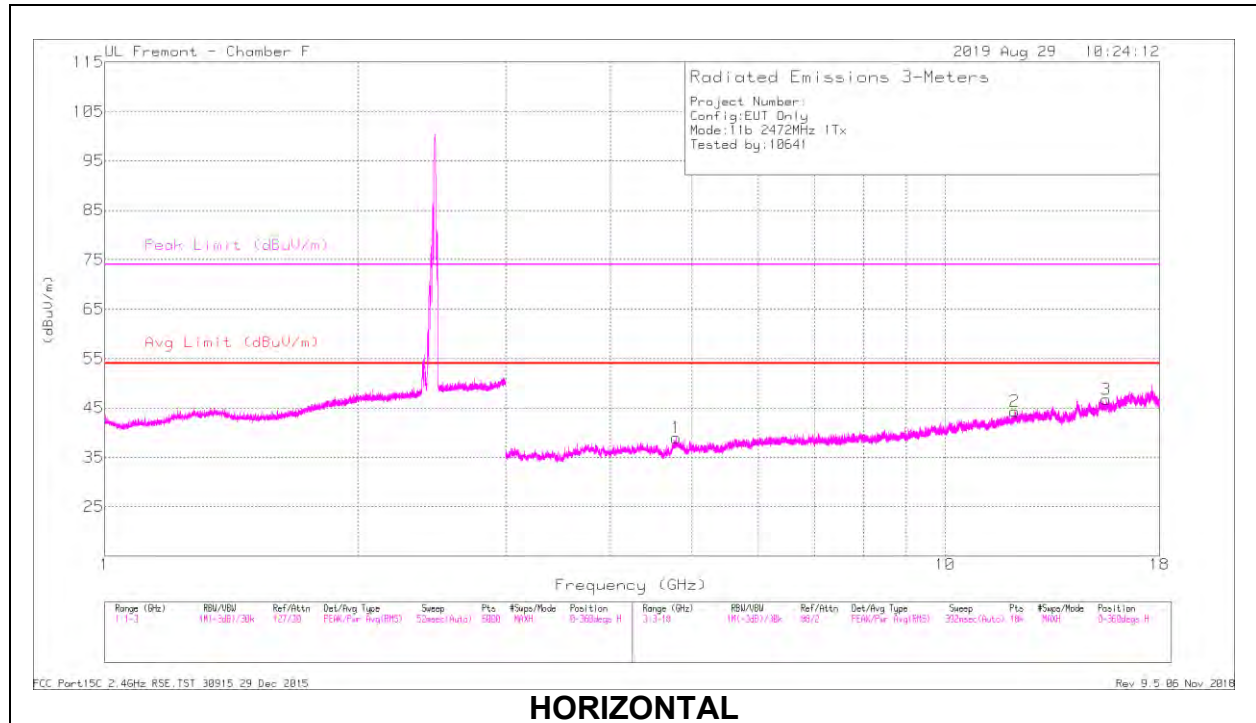
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	7.138	50.66	PK2	35.7	-40.6	45.76	-	-	74	-28.24	187	123	H
3	12.821	50.02	PK2	39.3	-38.6	50.72	-	-	74	-23.28	261	160	H
1	* 4.136	54.7	PK2	33.7	-43.9	44.5	-	-	74	-29.5	185	216	H
	* 4.136	43.24	MAv1	33.7	-43.9	33.04	54	-20.96	-	-	185	216	H
4	6.054	51.31	PK2	35.7	-41.3	45.71	-	-	74	-28.29	220	182	V
5	* 13.268	50.38	PK2	39.3	-38.5	51.18	-	-	74	-22.82	228	199	V
	* 13.266	39.49	MAv1	39.3	-38.6	40.19	54	-13.81	-	-	228	199	V
6	* 15.523	51.67	PK2	40.4	-38.5	53.57	-	-	74	-20.43	179	208	V
	* 15.523	40.22	MAv1	40.4	-38.5	42.12	54	-11.88	-	-	179	208	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, CH 13 RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.786	54.56	PK2	34.2	-44.3	44.46	-	-	74	-29.54	124	141	H
	* 4.785	43.11	MAv1	34.1	-44.4	32.81	54	-21.19	-	-	124	141	H
2	* 12.107	50.44	PK2	38.9	-38.9	50.44	-	-	74	-23.56	94	161	H
	* 12.108	39.33	MAv1	38.9	-38.9	39.33	54	-14.67	-	-	94	161	H
3	* 15.557	50.63	PK2	40.3	-38.2	52.73	-	-	74	-21.27	121	199	H
	* 15.557	40	MAv1	40.3	-38.2	42.1	54	-11.9	-	-	121	199	H
5	* 12.582	50.66	PK2	39.2	-39.2	50.66	-	-	74	-23.34	136	229	V
	* 12.579	39.71	MAv1	39.2	-39.1	39.81	54	-14.19	-	-	136	229	V
6	* 17.882	51.35	PK2	41.1	-37.9	54.55	-	-	74	-19.45	208	250	V
	* 17.883	39.92	MAv1	41.1	-37.8	43.22	54	-10.78	-	-	208	250	V
4	5.753	52.73	PK2	35	-41.7	46.03	-	-	74	-27.97	174	273	V

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

PK2 - KDB558074 Method: Maximum Peak

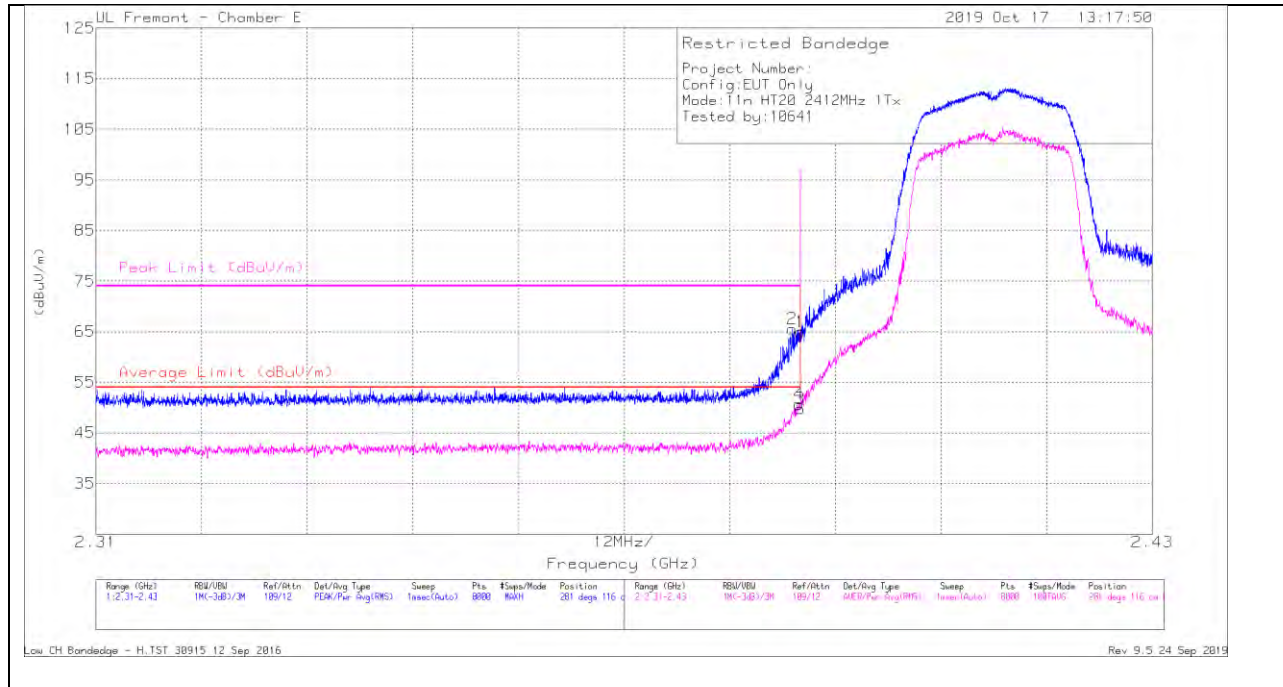
MAv1 - KDB558074 Option 1 Maximum RMS Average

9.1.2. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 2.4 GHz BAND

1TX UAT1 MODE

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT119 (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	50.87	Pk	32.3	-18.2	64.97	-	-	74	-9.03	281	116	H
2	* 2.38911	51.51	Pk	32.3	-18.2	65.61	-	-	74	-8.39	281	116	H
3	* 2.38999	35.72	RMS	32.3	-18.2	49.82	54	-4.18	-	-	281	116	H
4	* 2.3899	36.57	RMS	32.3	-18.2	50.67	54	-3.33	-	-	281	116	H

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

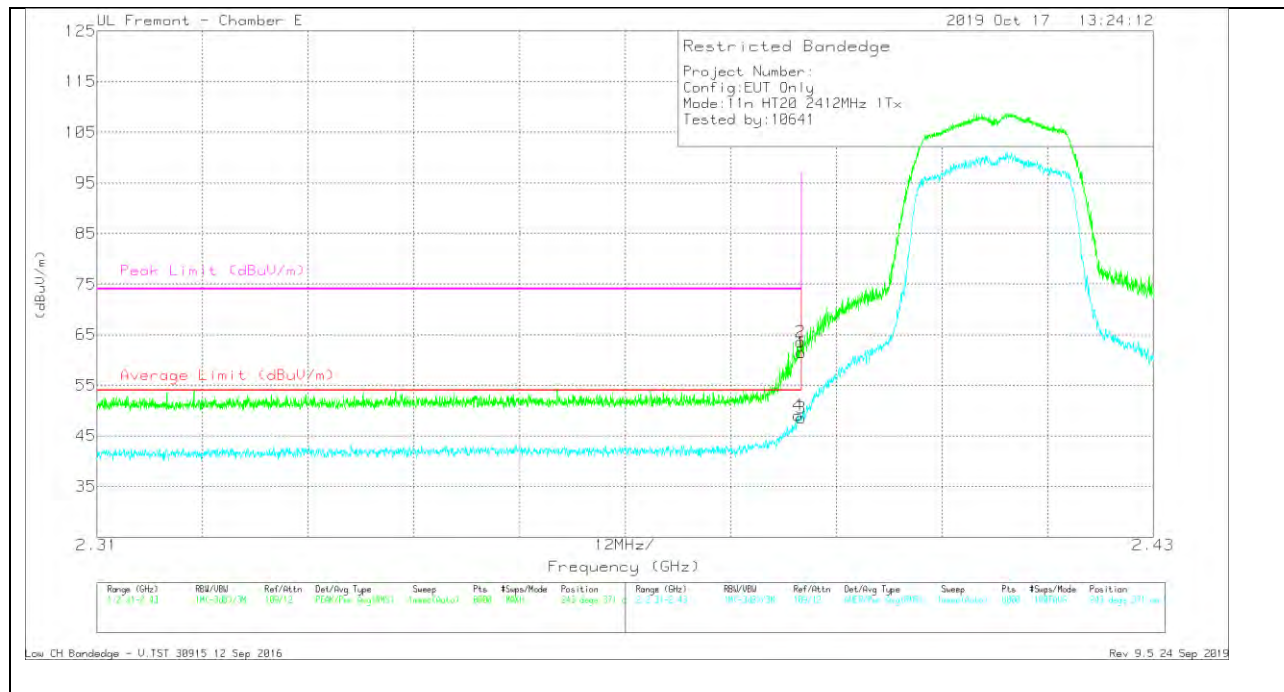
Pk - Peak detector

RMS - RMS detection

Low CH Bandedge - H.TST 30915 12 Sep 2016

Rev 9.5 24 Sep 2019

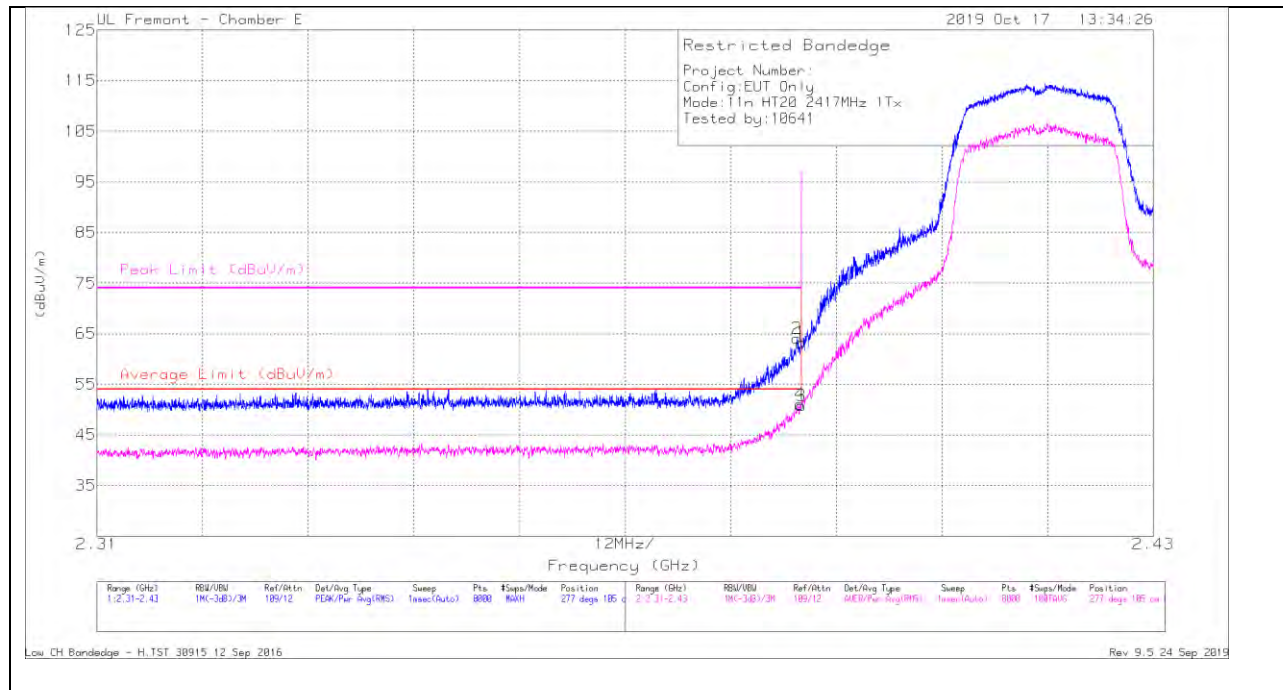
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	47.38	Pk	32.3	-18.2	61.48	-	-	74	-12.52	243	371	V
2	* 2.38995	49.47	Pk	32.3	-18.2	63.57	-	-	74	-10.43	243	371	V
3	* 2.38999	34.45	RMS	32.3	-18.2	48.55	54	-5.45	-	-	243	371	V
4	* 2.38965	34.93	RMS	32.3	-18.2	49.03	54	-4.97	-	-	243	371	V

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

Low CH Bandedge - V.TST 30915 12 Sep 2016
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BANDEDGE (LOW CHANNEL, CH 2)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	49.06	Pk	32.3	-18.2	63.16	-	-	74	-10.84	277	105	H
2	* 2.3895	50.02	Pk	32.3	-18.2	64.12	-	-	74	-9.88	277	105	H
3	* 2.38999	36.66	RMS	32.3	-18.2	50.76	54	-3.24	-	-	277	105	H
4	* 2.38986	36.98	RMS	32.3	-18.2	51.08	54	-2.92	-	-	277	105	H

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

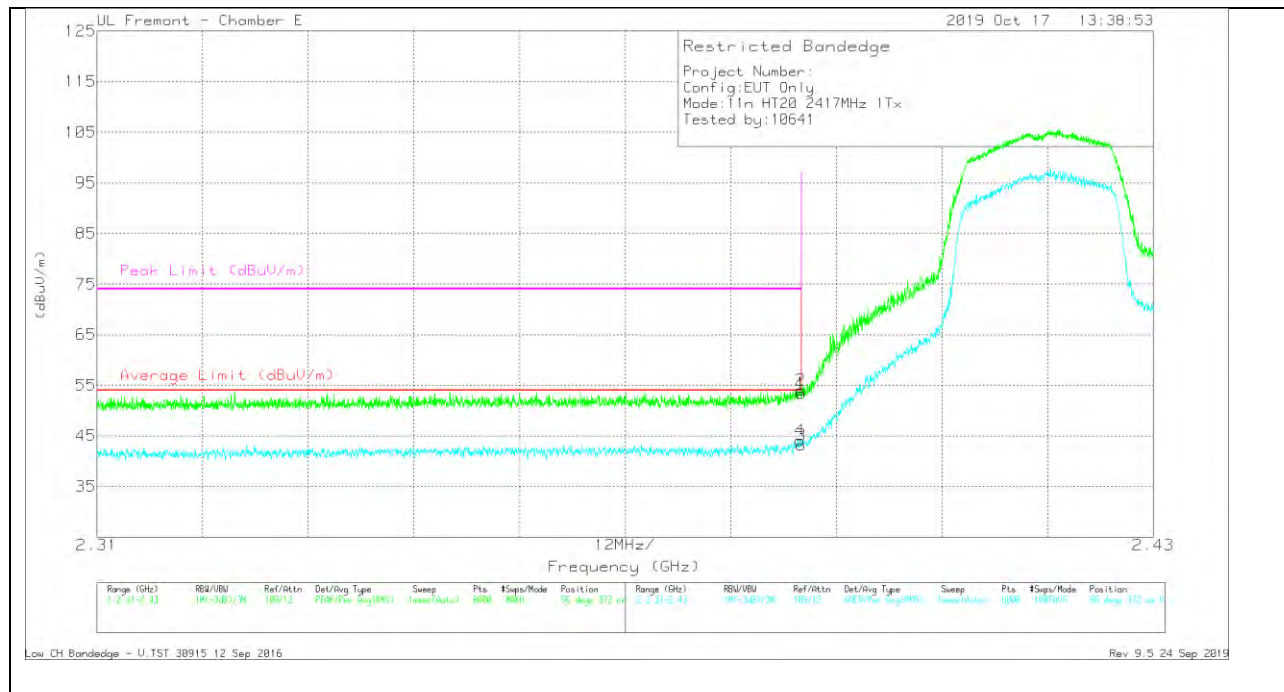
Pk - Peak detector

RMS - RMS detection

Low CH Bandedge - H.TST 30915 12 Sep 2016

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VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	39.26	Pk	32.3	-18.2	53.36	-	-	74	-20.64	96	372	V
2	* 2.38992	39.95	Pk	32.3	-18.2	54.05	-	-	74	-19.95	96	372	V
3	* 2.38999	29.15	RMS	32.3	-18.2	43.25	54	-10.75	-	-	96	372	V
4	* 2.38989	30.02	RMS	32.3	-18.2	44.12	54	-9.88	-	-	96	372	V

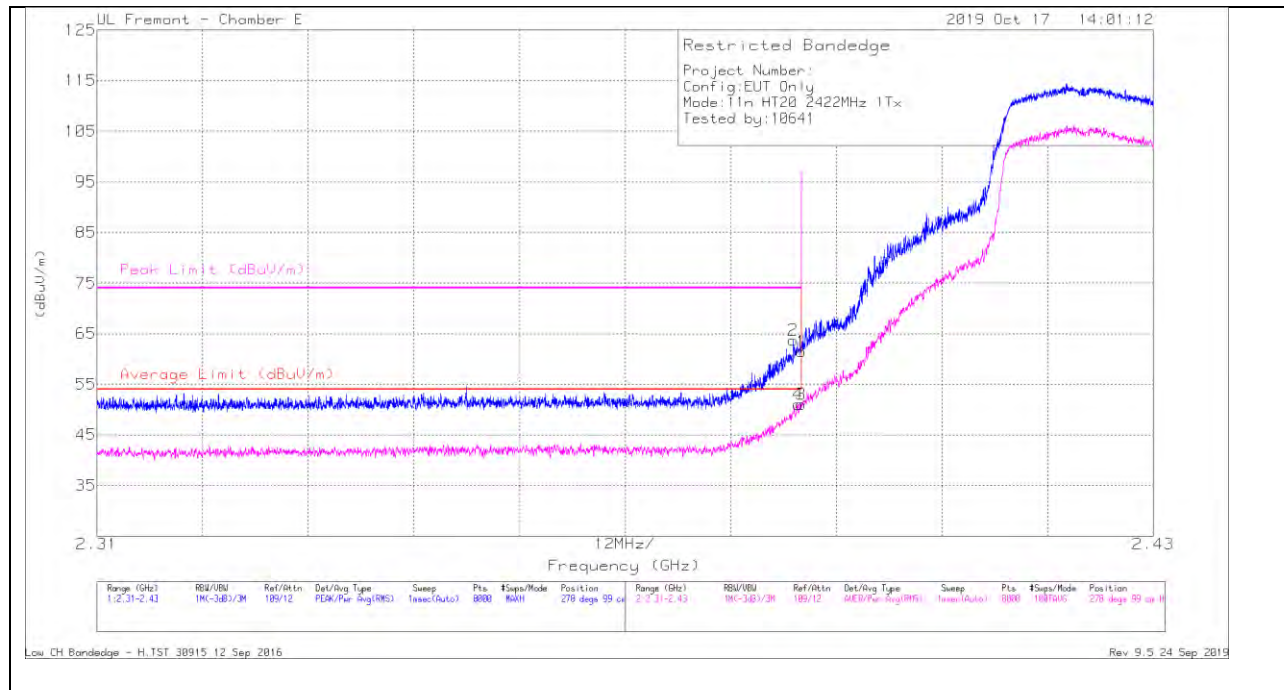
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

Low CH Bandedge - V.TST 30915 12 Sep 2016

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BANDEDGE (LOW CHANNEL, CH 3)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	47.36	Pk	32.3	-18.2	61.46	-	-	74	-12.54	278	99	H
2	* 2.38911	49.65	Pk	32.3	-18.2	63.75	-	-	74	-10.25	278	99	H
3	* 2.38999	36.93	RMS	32.3	-18.2	51.03	54	-2.97	-	-	278	99	H
4	* 2.38965	36.98	RMS	32.3	-18.2	51.08	54	-2.92	-	-	278	99	H

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

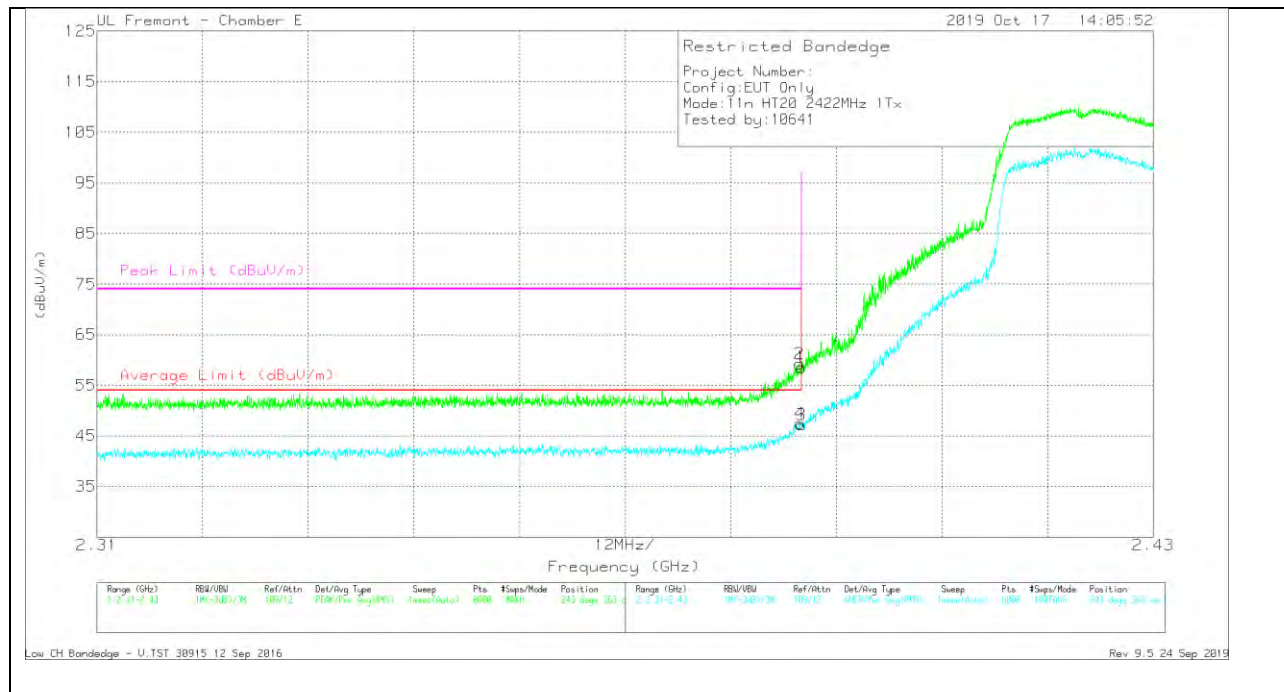
Pk - Peak detector

RMS - RMS detection

Low CH Bandedge - H.TST 30915 12 Sep 2016

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VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	44.45	Pk	32.3	-18.2	58.55	-	-	74	-15.45	243	363	V
2	* 2.38977	45.17	Pk	32.3	-18.2	59.27	-	-	74	-14.73	243	363	V
3	* 2.38999	33.05	RMS	32.3	-18.2	47.15	54	-6.85	-	-	243	363	V
4	* 2.38986	33.37	RMS	32.3	-18.2	47.47	54	-6.53	-	-	243	363	V

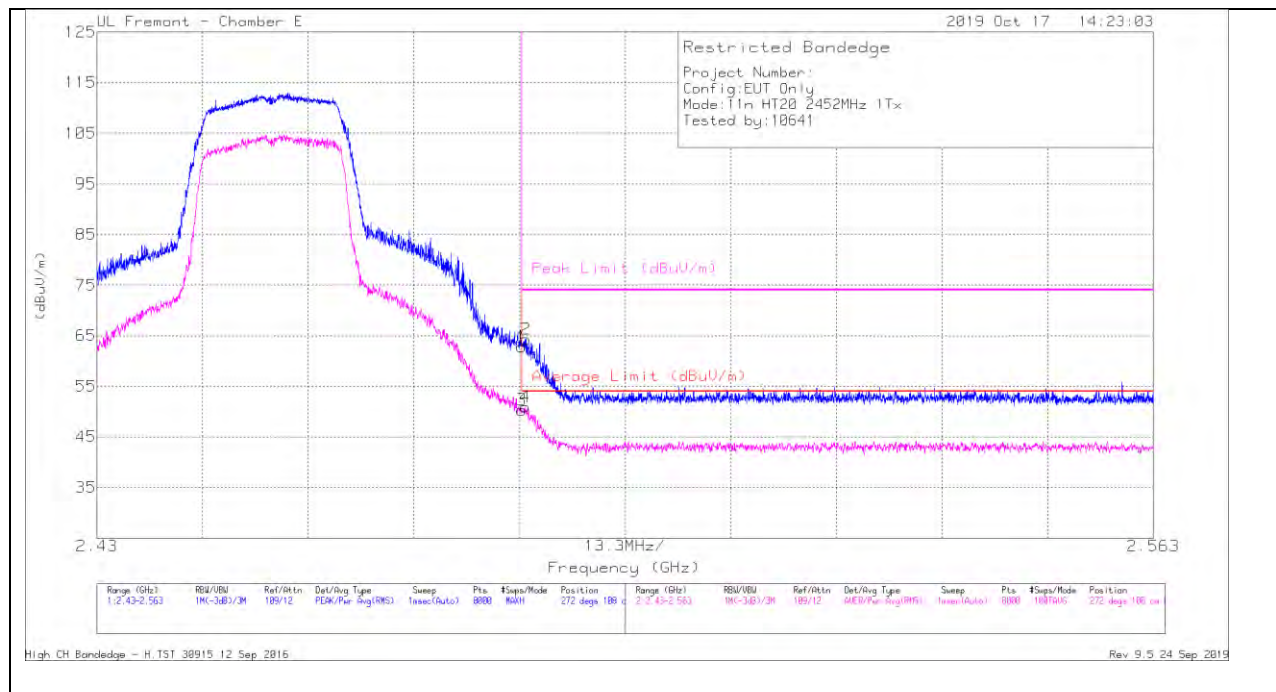
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

Low CH Bandedge - V.TST 30915 12 Sep 2016

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BANDEDGE (HIGH CHANNEL, CH 9)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	48.08	Pk	32.8	-18	62.88	-	-	74	-11.12	272	108	H
2	* 2.48399	49.54	Pk	32.8	-18	64.34	-	-	74	-9.66	272	108	H
3	* 2.48351	35.55	RMS	32.8	-18	50.35	54	-3.65	-	-	272	108	H
4	* 2.48397	36.06	RMS	32.8	-18	50.86	54	-3.14	-	-	272	108	H

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

Pk - Peak detector

RMS - RMS detection

High CH Bandedge - H.TST 30915 12 Sep 2016

Rev 9.5 24 Sep 2019

UL Fremont - Chamber E

2019 Oct 17 14:27:13

Restricted Bandedge
Project Number:
Config: EUT Only
Mode: TIn HT20 2452MHz 1Tx
Tested by: 10641

(dBuV/m)

Peak Limit (dBuV/m)

Average Limit (dBuV/m)

13.3MHz/

Frequency (GHz)

2.43 2.563

Range (GHz)	RBW/VBW	Ref/AltIn	Det/AvG Type	Sweep	Pts	#Seps/Mode	Position	Range (GHz)	RBW/VBW	Ref/AltIn	Det/AvG Type	Sweep	Pts	#Seps/Mode	Position
1.2-4.2-5.63	10K-300/3K	10u/12	PPOR/Freq Avg (PPR)	Linear/Video	8000	8001	0.33 degs 3dB on	2.4-2.563	10K-300/3K	10u/12	PPOR/Freq Avg (PPR)	Linear/Video	8000	8001	0.33 degs 3dB on

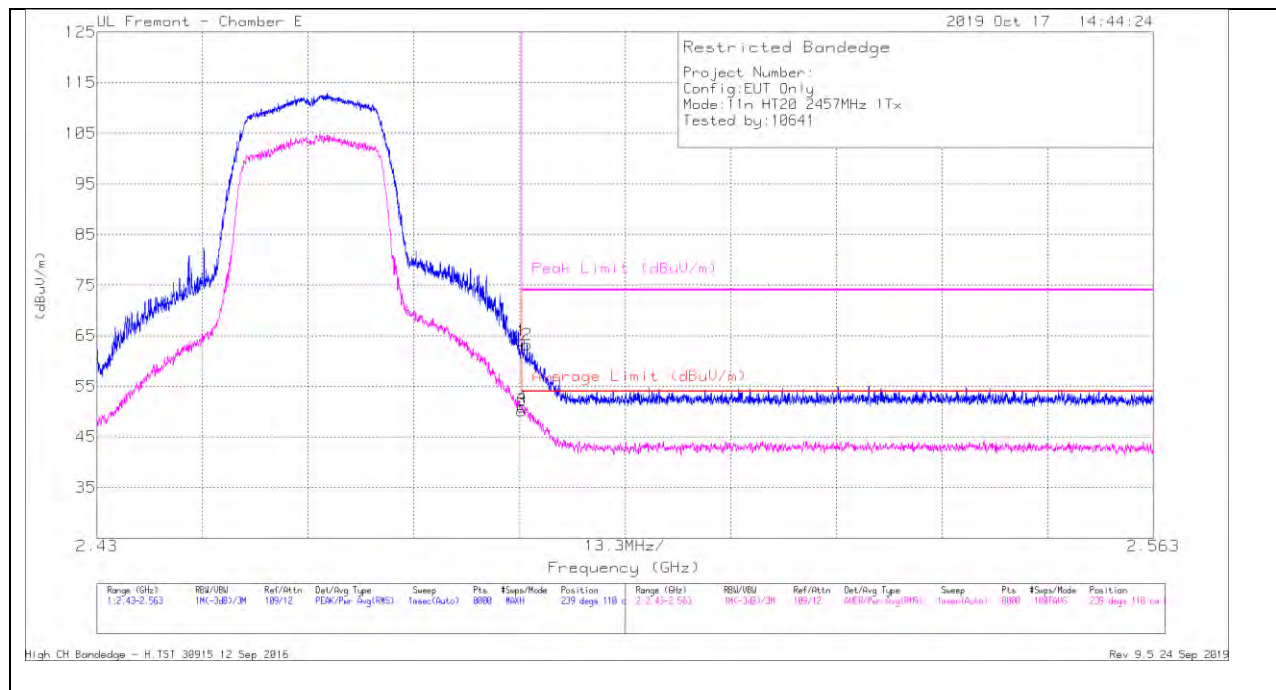
High CH Bandedge - U.TST 38915 12 Sep 2016

Rev 9.5 24 Sep 2019

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	41.6	Pk	32.8	-18	56.4	-	-	74	-17.6	233	360	V
2	* 2.48437	43.94	Pk	32.8	-18	58.74	-	-	74	-15.26	233	360	V
3	* 2.48351	31.27	RMS	32.8	-18	46.07	54	-7.93	-	-	233	360	V
4	* 2.48359	31.83	RMS	32.8	-18	46.63	54	-7.37	-	-	233	360	V

Pk - Peak detector
RMS - RMS detection

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

BANDEDGE (HIGH CHANNEL, CH 10)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	49.13	Pk	32.8	-18	63.93	-	-	74	-10.07	239	110	H
2	* 2.48415	48.38	Pk	32.8	-18	63.18	-	-	74	-10.82	239	110	H
3	* 2.48351	35.43	RMS	32.8	-18	50.23	54	-3.77	-	-	239	110	H
4	* 2.48357	36.11	RMS	32.8	-18	50.91	54	-3.09	-	-	239	110	H

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

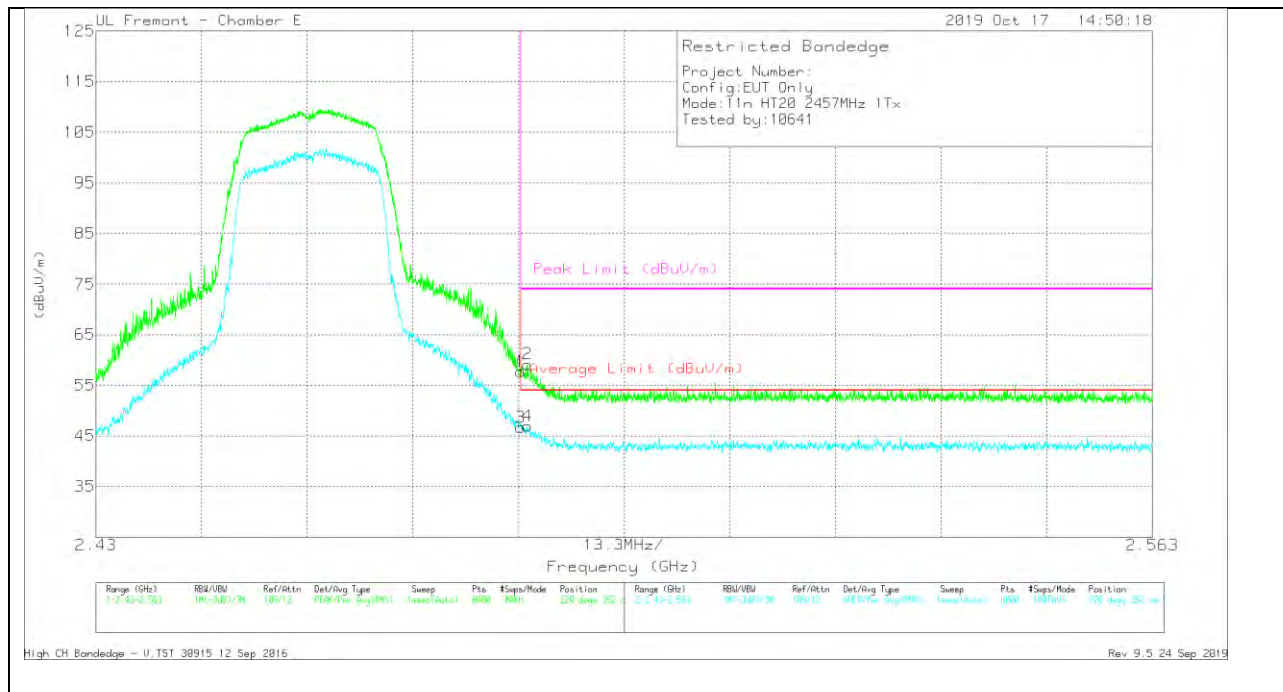
Pk - Peak detector

RMS - RMS detection

High CH Bandedge - H.TST 30915 12 Sep 2016

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VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	42.94	Pk	32.8	-18	57.74	-	-	74	-16.26	220	352	V
2	* 2.48432	44.37	Pk	32.8	-18	59.17	-	-	74	-14.83	220	352	V
3	* 2.48351	31.84	RMS	32.8	-18	46.64	54	-7.36	-	-	220	352	V
4	* 2.48434	32.1	RMS	32.8	-18	46.9	54	-7.1	-	-	220	352	V

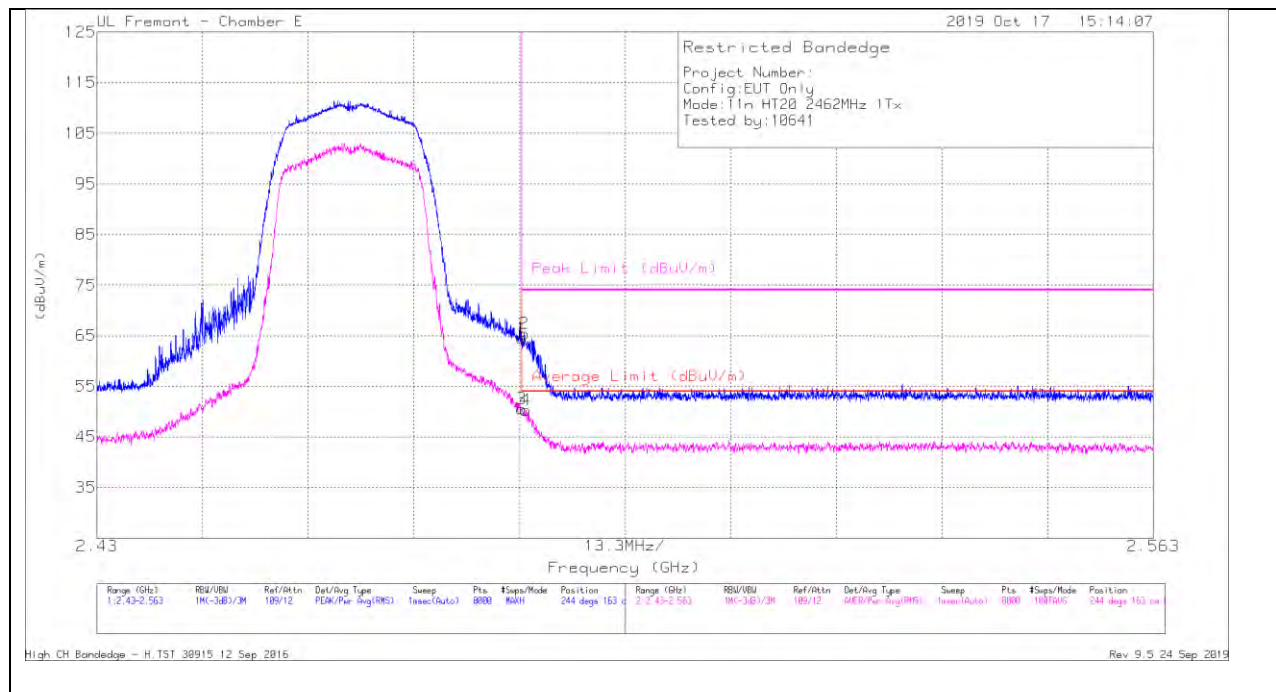
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

High CH Bandedge - V.TST 30915 12 Sep 2016

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BANDEDGE (HIGH CHANNEL, CH 11)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	49.78	Pk	32.8	-18	64.58	-	-	74	-9.42	244	163	H
2	* 2.48381	50.58	Pk	32.8	-18	65.38	-	-	74	-8.62	244	163	H
3	* 2.48351	35.71	RMS	32.8	-18	50.51	54	-3.49	-	-	244	163	H
4	* 2.48399	35.52	RMS	32.8	-18	50.32	54	-3.68	-	-	244	163	H

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

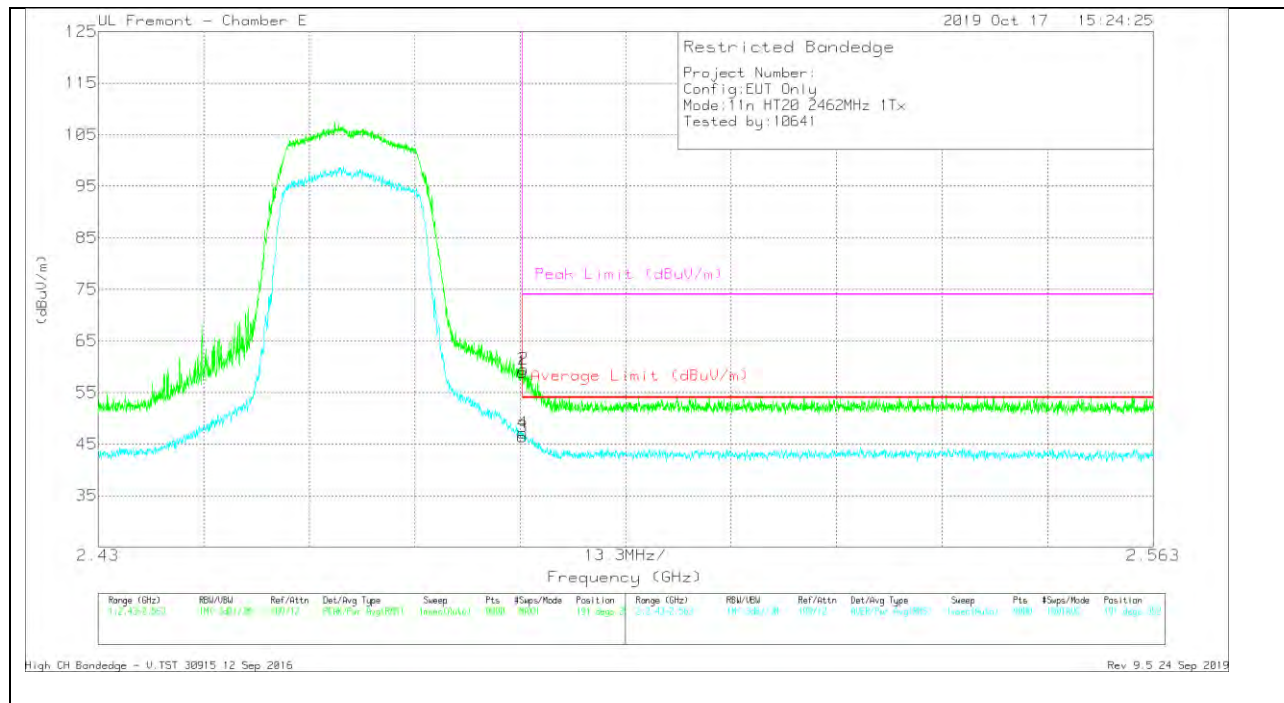
Pk - Peak detector

RMS - RMS detection

High CH Bandedge - H.TST 30915 12 Sep 2016

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VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	44.16	Pk	32.8	-18	58.96	-	-	74	-15.04	191	352	V
2	* 2.48362	44.71	Pk	32.8	-18	59.51	-	-	74	-14.49	191	352	V
3	* 2.48351	31.62	RMS	32.8	-18	46.42	54	-7.58	-	-	191	352	V
4	* 2.48357	32.36	RMS	32.8	-18	47.16	54	-6.84	-	-	191	352	V

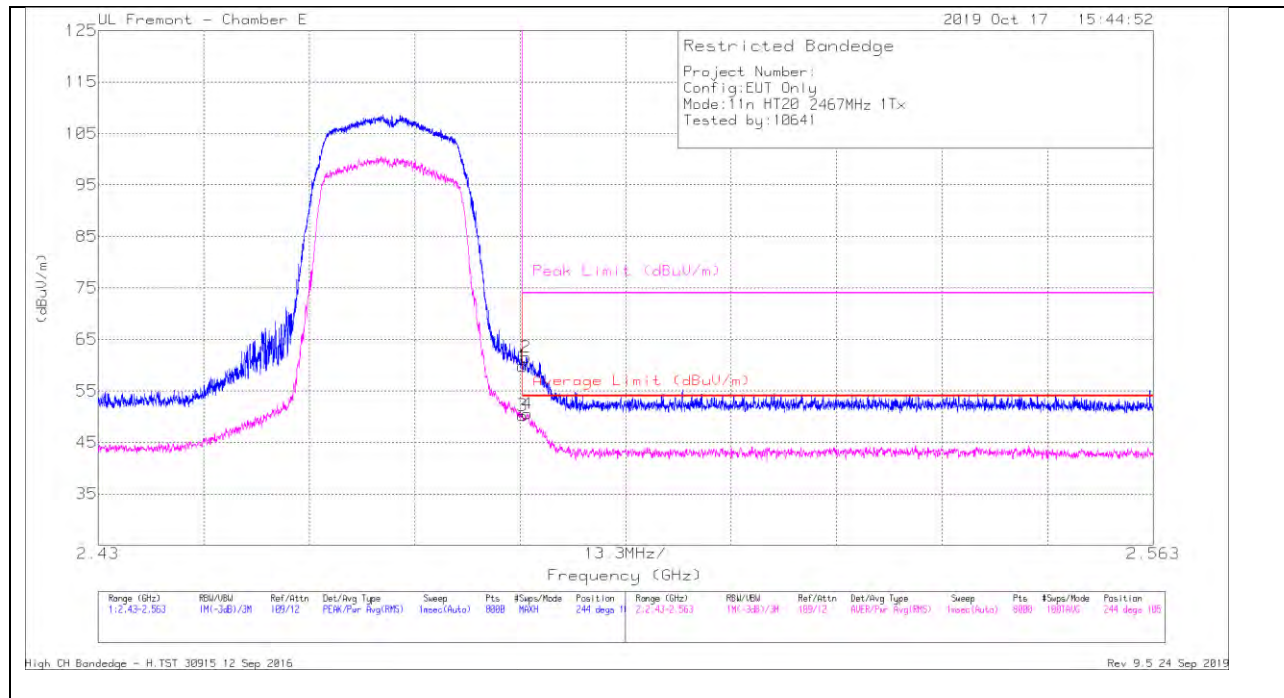
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

High CH Bandedge - V.TST 30915 12 Sep 2016

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BANDEDGE (HIGH CHANNEL, CH 12)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Ampl/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	45.01	Pk	32.8	-18	59.81	-	-	74	-14.19	244	105	H
2	* 2.48397	46.73	Pk	32.8	-18	61.53	-	-	74	-12.47	244	105	H
3	* 2.48351	35.43	RMS	32.8	-18	50.23	54	-3.77	-	-	244	105	H
4	* 2.4841	35.75	RMS	32.8	-18	50.55	54	-3.45	-	-	244	105	H

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

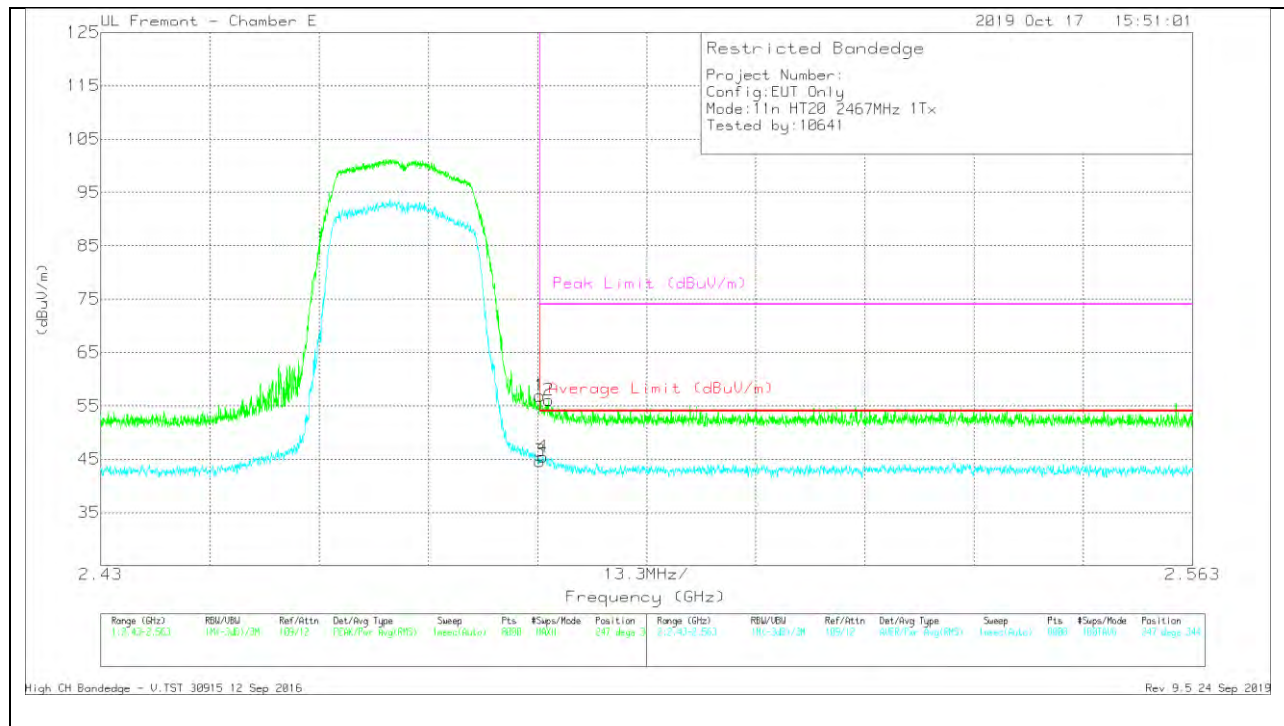
Pk - Peak detector

RMS - RMS detection

High CH Bandedge - H.TST 30915 12 Sep 2016

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VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fitri/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	42.08	Pk	32.8	-18	56.88	-	-	74	-17.12	247	344	V
2	* 2.48457	41.27	Pk	32.8	-18	56.07	-	-	74	-17.93	247	344	V
3	* 2.48351	29.82	RMS	32.8	-18	44.62	54	-9.38	-	-	247	344	V
4	* 2.48385	30.62	RMS	32.8	-18	45.42	54	-8.58	-	-	247	344	V

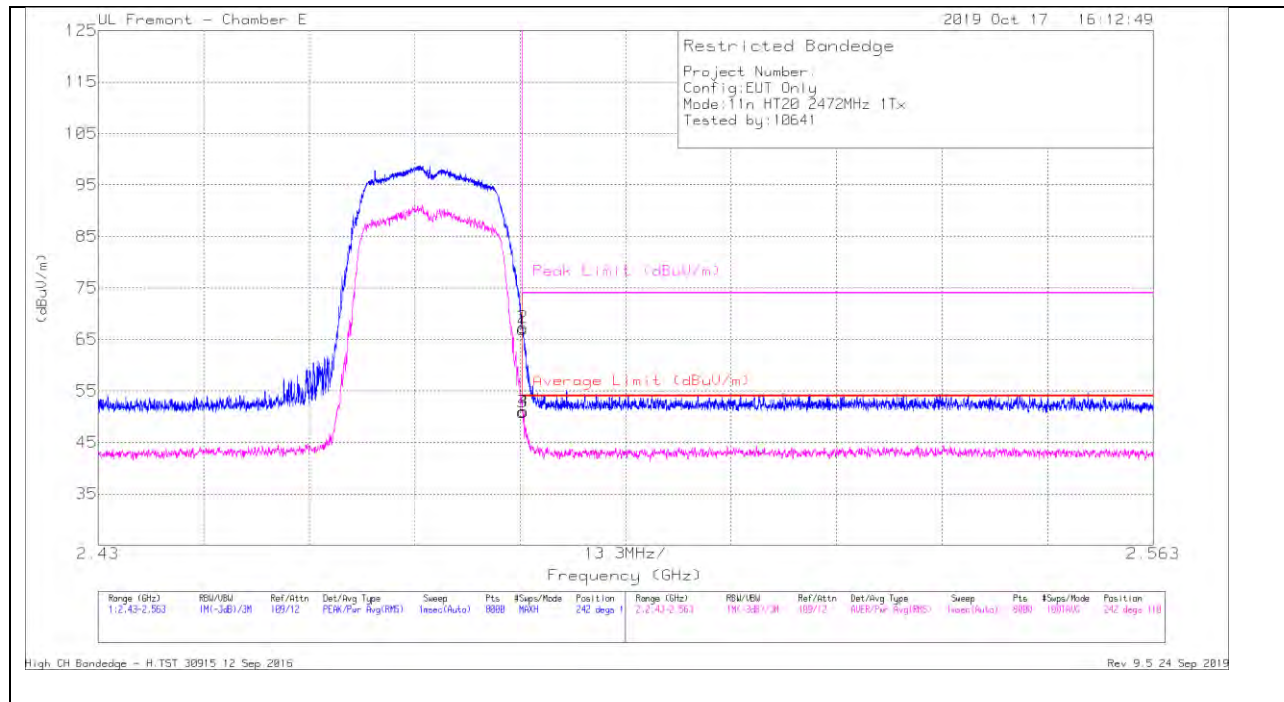
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

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BANDEDGE (HIGH CHANNEL, CH 13)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	52.21	Pk	32.8	-18	67.01	-	-	74	-6.99	242	110	H
2	* 2.48352	52.53	Pk	32.8	-18	67.33	-	-	74	-6.67	242	110	H
3	* 2.48351	36.1	RMS	32.8	-18	50.9	54	-3.1	-	-	242	110	H
4	* 2.48366	36.22	RMS	32.8	-18	51.02	54	-2.98	-	-	242	110	H

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

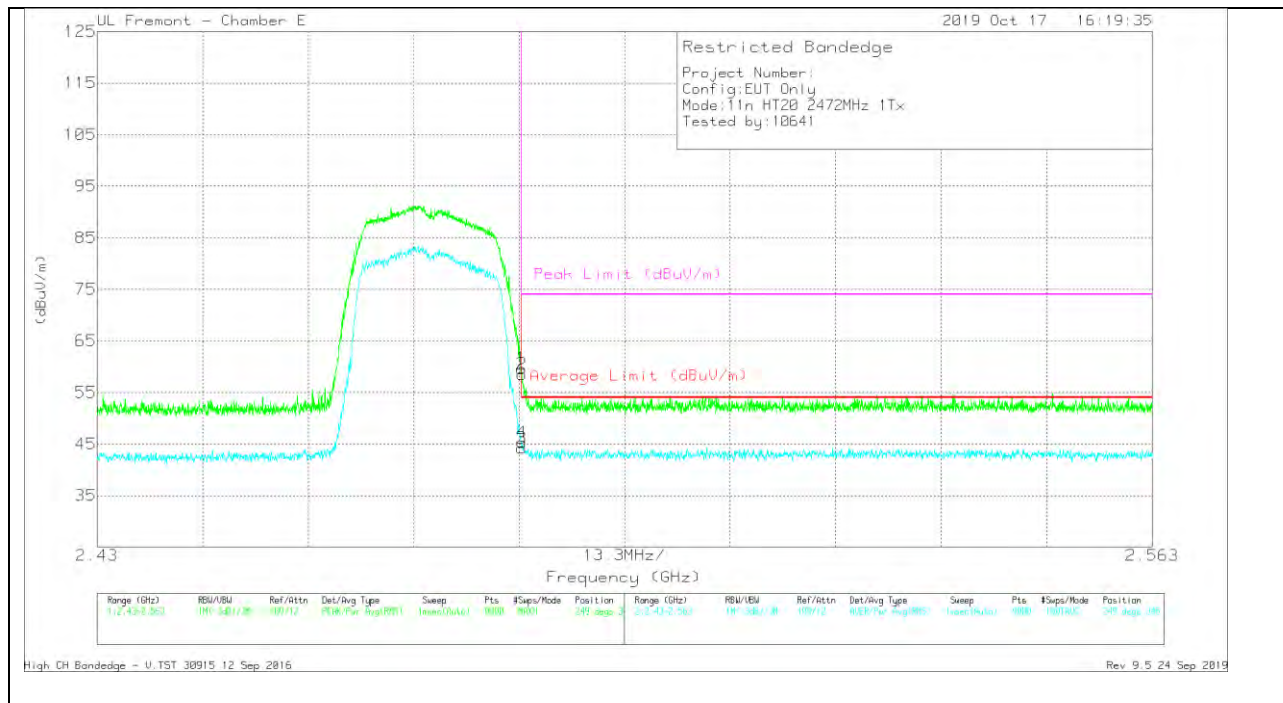
Pk - Peak detector

RMS - RMS detection

High CH Bandedge - H.TST 30915 12 Sep 2016

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VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Dega)	Height (cm)	Polarity
1	* 2.48351	44.85	Pk	32.8	-18	59.65	-	-	74	-14.35	249	345	V
2	* 2.48356	43.73	Pk	32.8	-18	56.53	-	-	74	-15.47	249	345	V
3	* 2.48351	29.42	RMS	32.8	-18	44.22	54	-9.78	-	-	249	345	V
4	* 2.48356	30.51	RMS	32.8	-18	45.31	54	-8.69	-	-	249	345	V

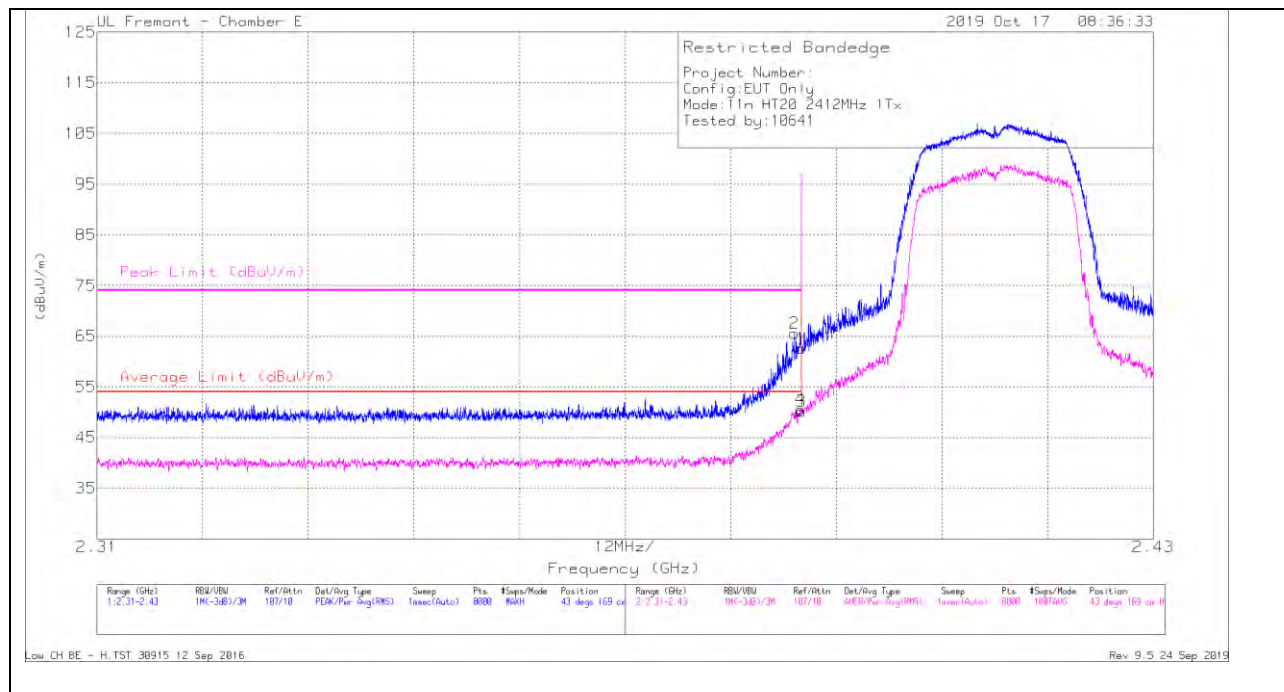
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

High CH Bandedge - V.TST 30915 12 Sep 2016

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1TX LAT3 MODE**BANDEDGE (LOW CHANNEL, CH 1)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	56.49	Pk	32.3	-26.2	62.59	-	-	74	-11.41	43	169	H
2	* 2.38923	59.49	Pk	32.3	-26.2	65.59	-	-	74	-8.41	43	169	H
3	* 2.38999	44.08	RMS	32.3	-26.2	50.18	54	-3.82	-	-	43	169	H
4	* 2.38993	44.4	RMS	32.3	-26.2	50.5	54	-3.5	-	-	43	169	H

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

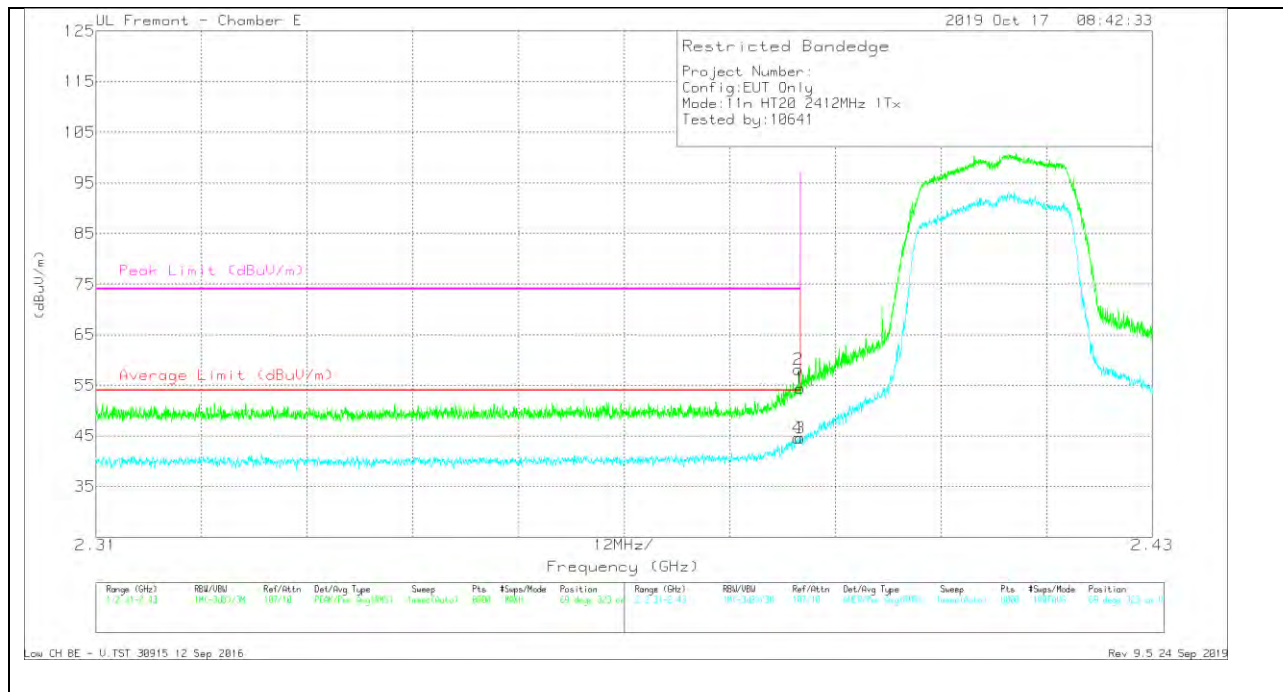
Pk - Peak detector

RMS - RMS detection

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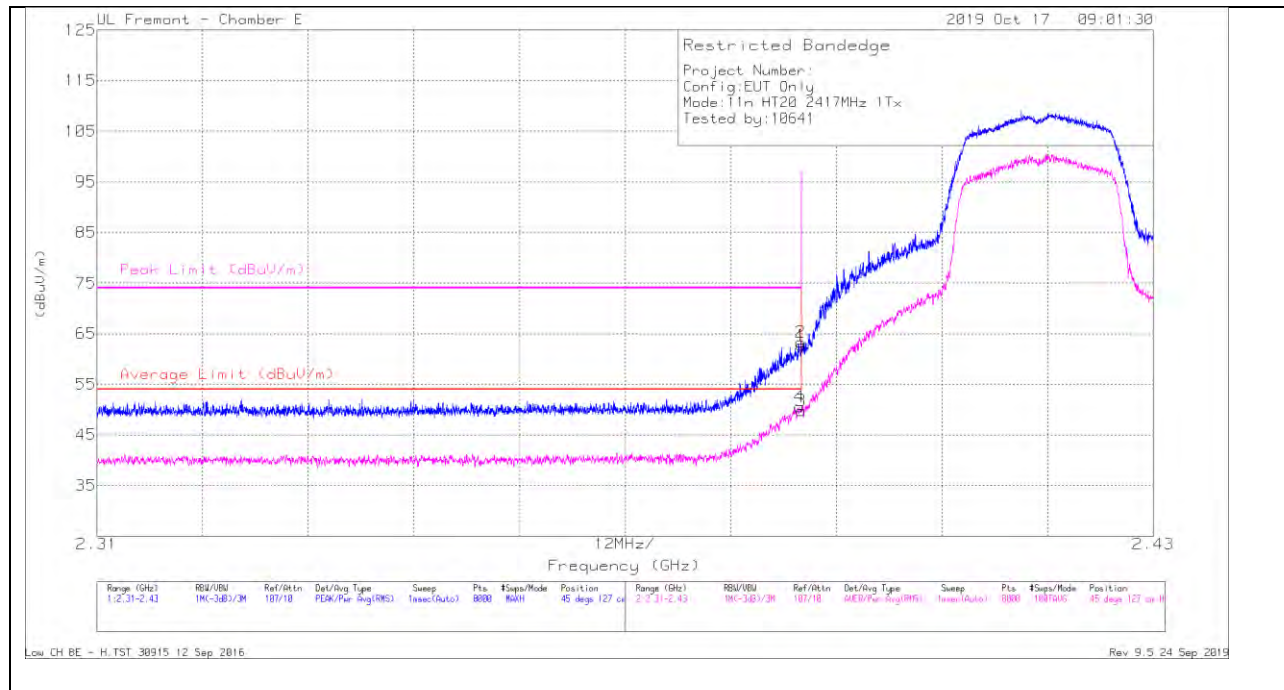
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	48.35	Pk	32.3	-26.2	54.45	-	-	74	-19.55	69	323	V
2	* 2.38981	52.06	Pk	32.3	-26.2	58.16	-	-	74	-15.84	69	323	V
3	* 2.38999	38.45	RMS	32.3	-26.2	44.55	54	-9.45	-	-	69	323	V
4	* 2.38974	38.5	RMS	32.3	-26.2	44.6	54	-9.4	-	-	69	323	V

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

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BANDEDGE (LOW CHANNEL, CH 2)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	56.64	PK	32.3	-26.2	62.74	-	-	74	-11.26	45	127	H
2	* 2.38998	57.2	PK	32.3	-26.2	63.3	-	-	74	-10.7	45	127	H
3	* 2.38999	43.74	RMS	32.3	-26.2	49.84	54	-4.16	-	-	45	127	H
4	* 2.38981	44.47	RMS	32.3	-26.2	50.57	54	-3.43	-	-	45	127	H

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

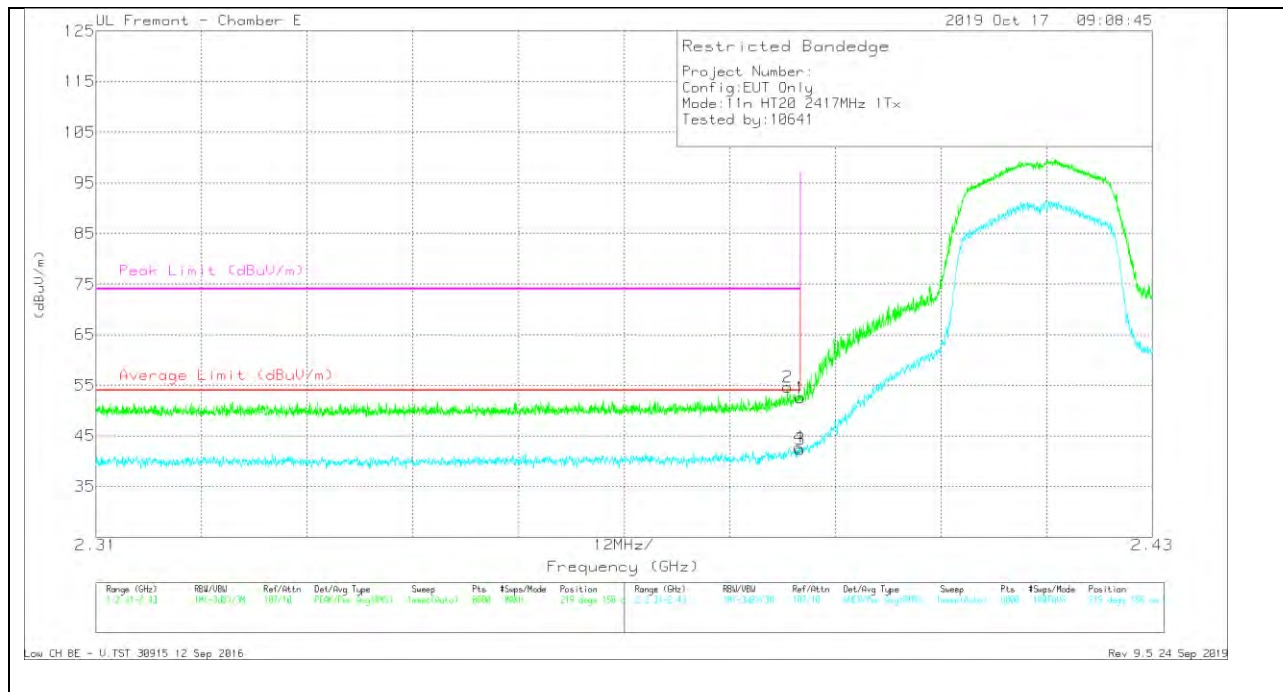
PK - Peak detector

RMS - RMS detection

Low CH BE - H.TST 30915 12 Sep 2016

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VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	46.41	Pk	32.3	-26.2	52.51	-	-	74	-21.49	219	158	V
2	* 2.38857	48.57	Pk	32.3	-26.2	54.67	-	-	74	-19.33	219	158	V
3	* 2.38999	36.3	RMS	32.3	-26.2	42.4	54	-11.6	-	-	219	158	V
4	* 2.3899	36.62	RMS	32.3	-26.2	42.72	54	-11.28	-	-	219	158	V

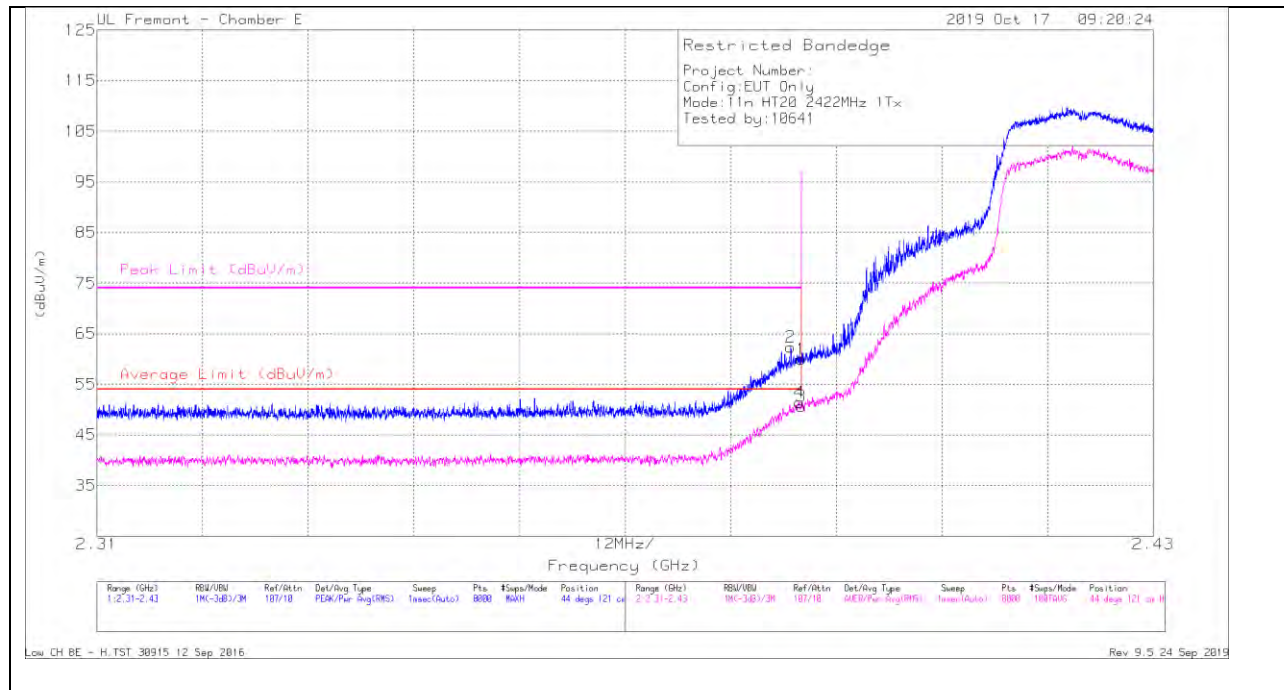
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

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BANEDGE (LOW CHANNEL, CH 3)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	53.92	Pk	32.3	-26.2	60.02	-	-	74	-13.98	44	121	H
2	* 2.38882	56.24	Pk	32.3	-26.2	62.34	-	-	74	-11.66	44	121	H
3	* 2.38999	44.52	RMS	32.3	-26.2	50.62	54	-3.38	-	-	44	121	H
4	* 2.38977	45.3	RMS	32.3	-26.2	51.4	54	-2.6	-	-	44	121	H

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

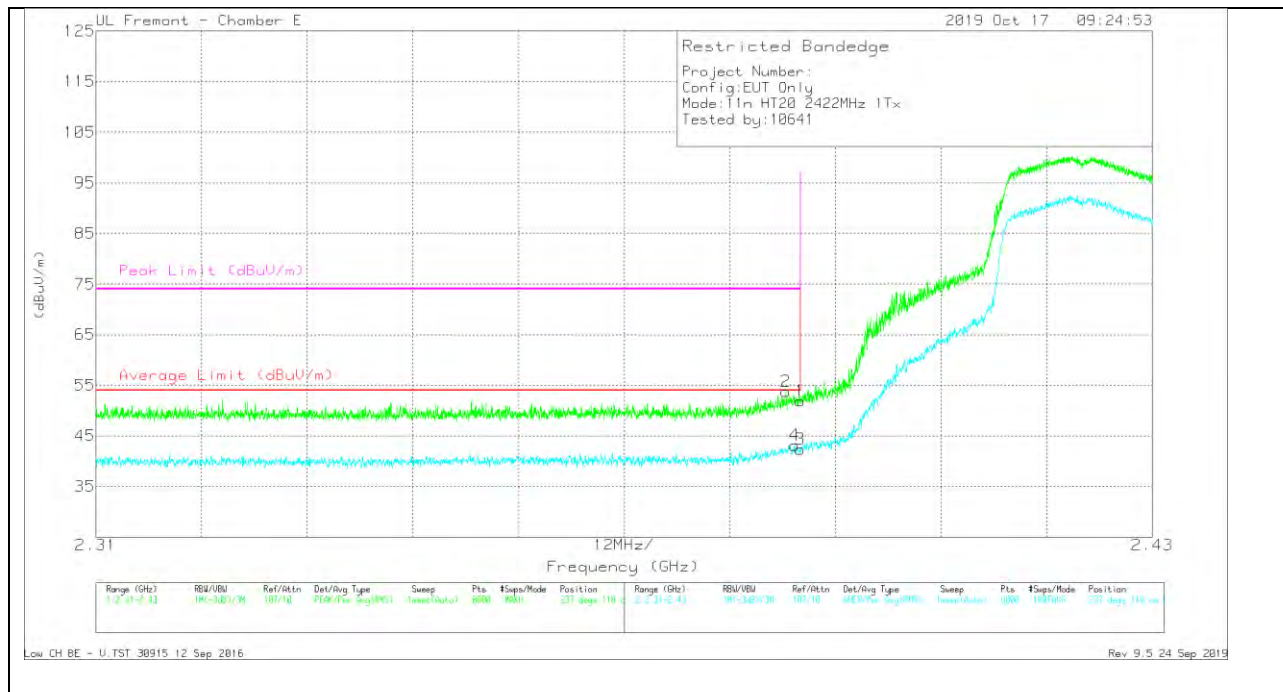
Pk - Peak detector

RMS - RMS detection

Low CH BE - H.TST 30915 12 Sep 2016

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VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	45.85	Pk	32.3	-26.2	51.95	-	-	74	-22.05	237	118	V
2	* 2.38837	47.62	Pk	32.3	-26.2	53.72	-	-	74	-20.28	237	118	V
3	* 2.38999	36.27	RMS	32.3	-26.2	42.37	54	-11.63	-	-	237	118	V
4	* 2.38935	37.05	RMS	32.3	-26.2	43.15	54	-10.85	-	-	237	118	V

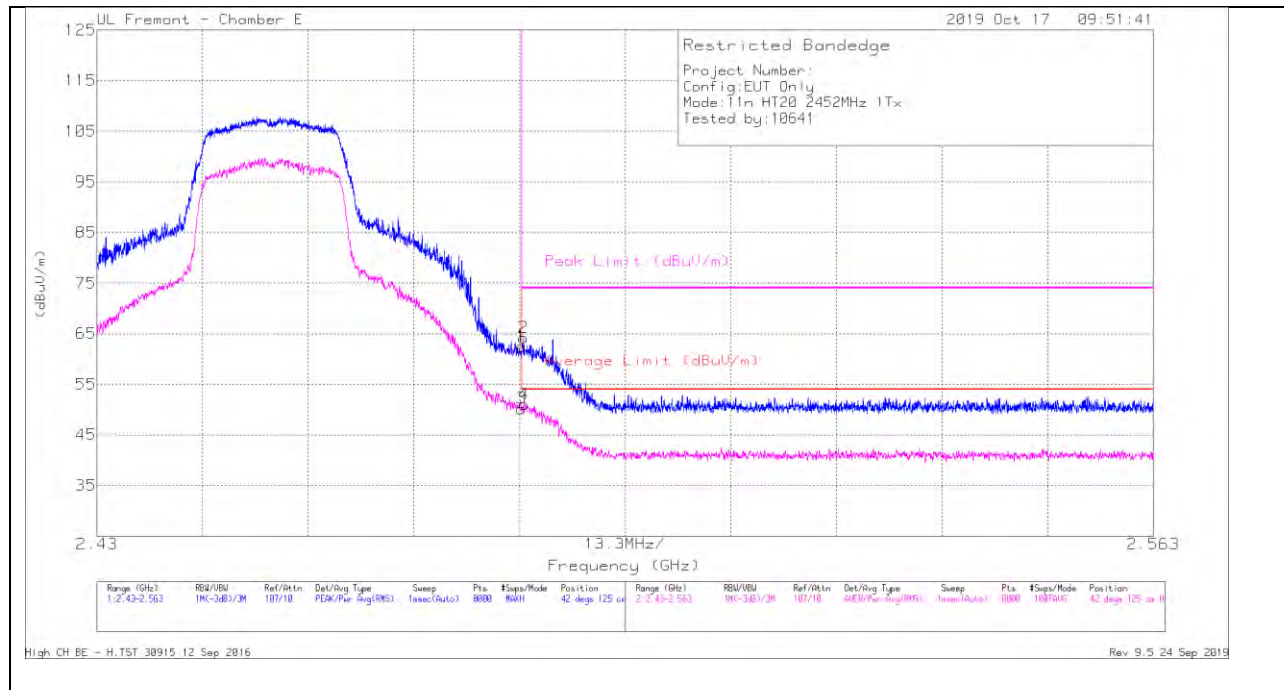
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

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BANDEDGE (HIGH CHANNEL, CH 9)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	55.81	Pk	32.8	-26.2	62.41	-	-	74	-11.59	42	125	H
2	* 2.48372	57.59	Pk	32.8	-26.2	64.19	-	-	74	-9.81	42	125	H
3	* 2.48351	43.63	RMS	32.8	-26.2	50.23	54	-3.77	-	-	42	125	H
4	* 2.48382	44.48	RMS	32.8	-26.2	51.08	54	-2.92	-	-	42	125	H

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

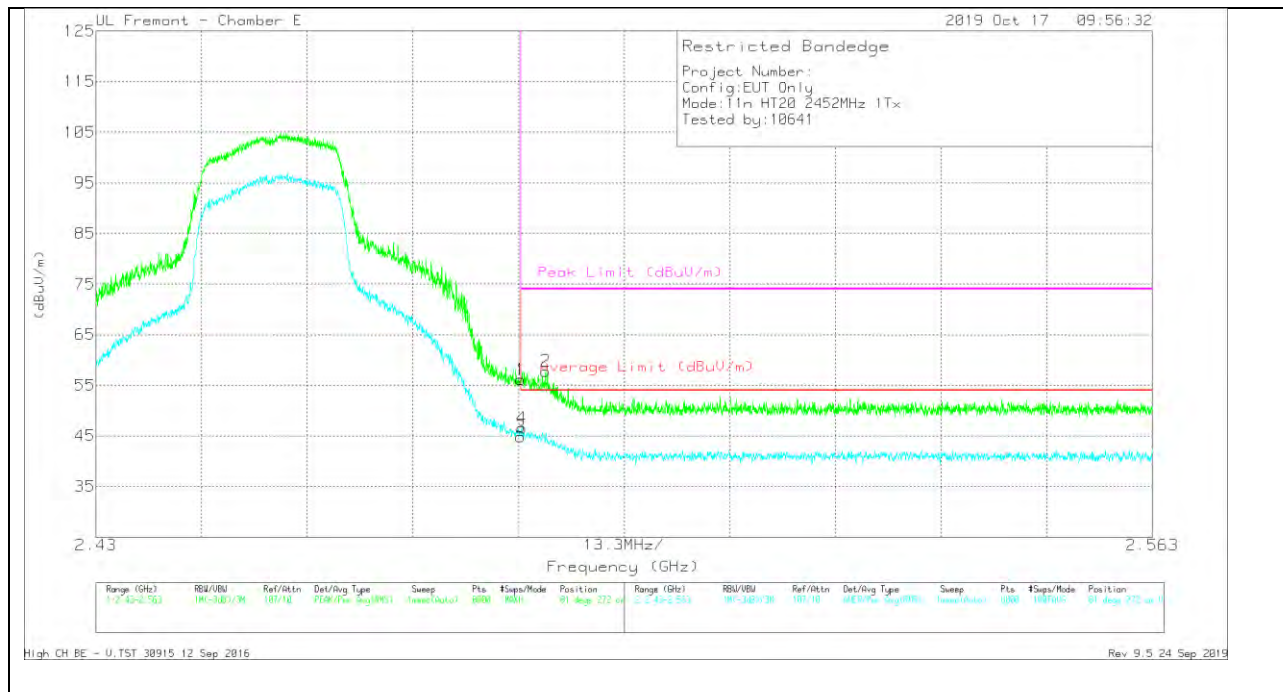
Pk - Peak detector

RMS - RMS detection

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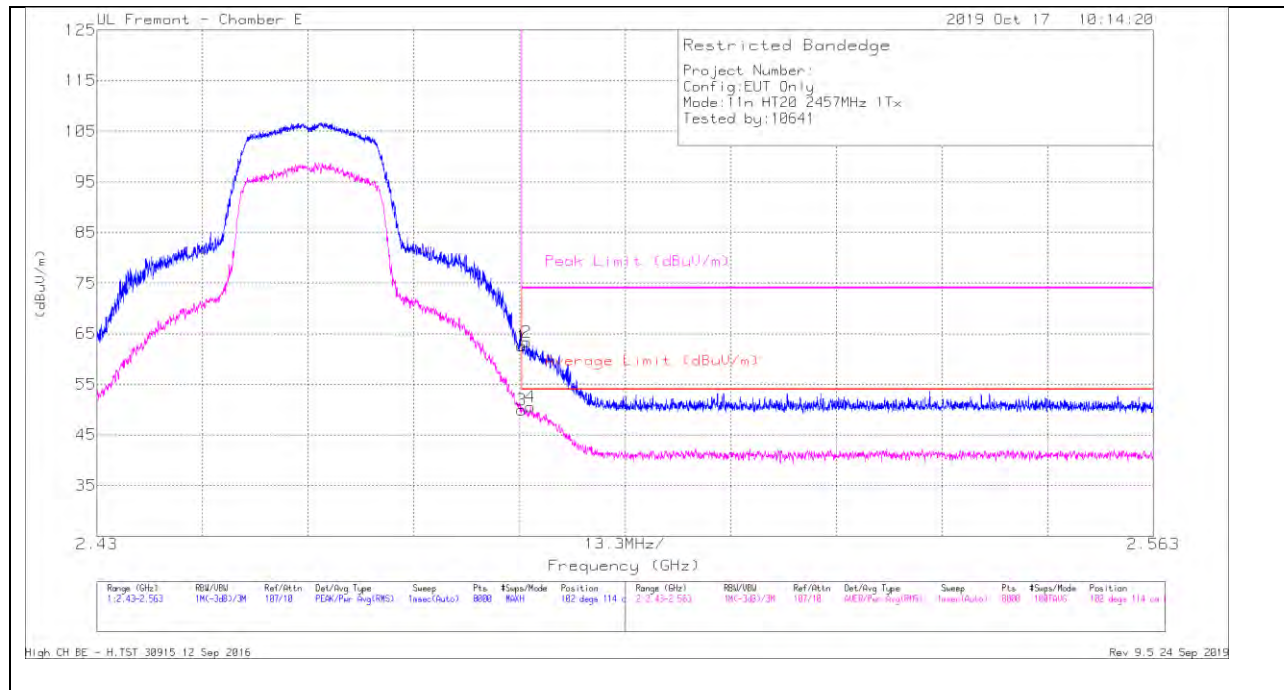
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	49.49	Pk	32.8	-26.2	56.09	-	-	74	-17.91	81	272	V
2	* 2.48661	51.2	Pk	32.8	-26.2	57.8	-	-	74	-16.2	81	272	V
3	* 2.48351	38.27	RMS	32.8	-26.2	44.87	54	-9.13	-	-	81	272	V
4	* 2.48361	39.96	RMS	32.8	-26.2	46.56	54	-7.44	-	-	81	272	V

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

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BANDEDGE (HIGH CHANNEL, CH 10)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	55.95	Pk	32.8	-26.2	62.55	-	-	74	-11.45	102	114	H
2	* 2.4841	56.71	Pk	32.8	-26.2	63.31	-	-	74	-10.69	102	114	H
3	* 2.48351	43.34	RMS	32.8	-26.2	49.94	54	-4.06	-	-	102	114	H
4	* 2.48459	43.9	RMS	32.8	-26.2	50.5	54	-3.5	-	-	102	114	H

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

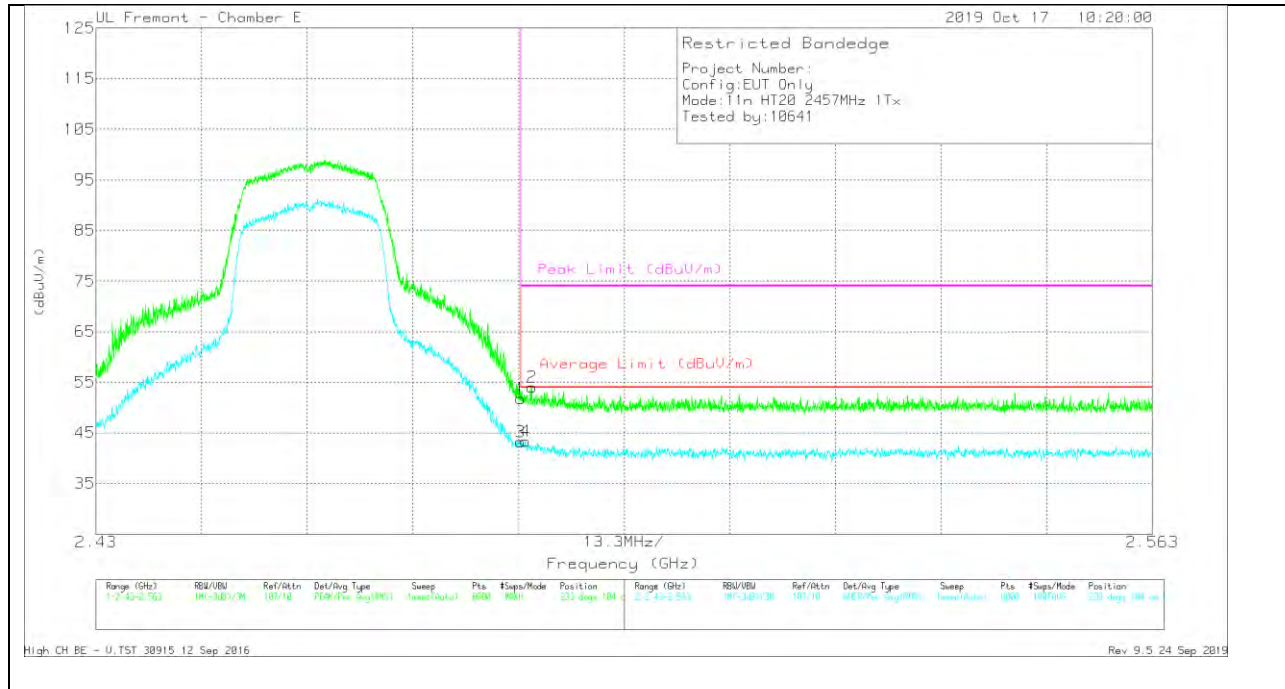
Pk - Peak detector

RMS - RMS detection

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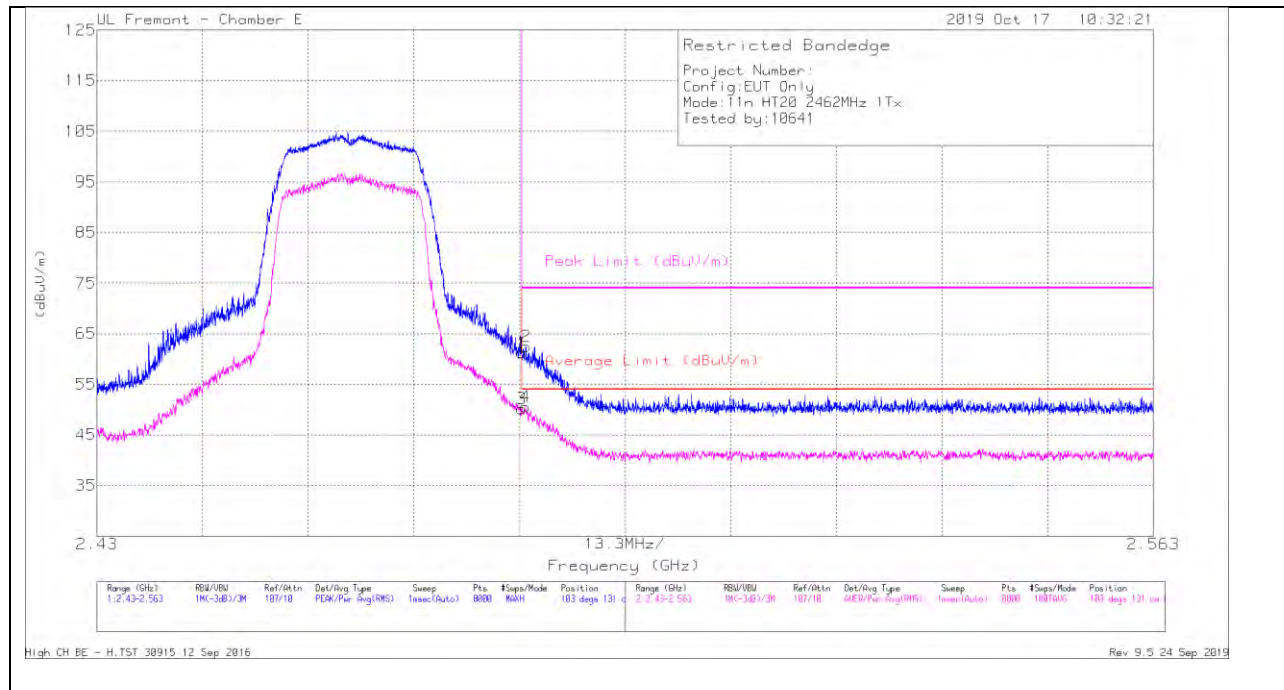
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	45.19	Pk	32.8	-26.2	51.79	-	-	74	-22.21	233	104	V
2	* 2.48487	47.38	Pk	32.8	-26.2	53.98	-	-	74	-20.02	233	104	V
3	* 2.48351	36.59	RMS	32.8	-26.2	43.19	54	-10.81	-	-	233	104	V
4	* 2.48407	36.69	RMS	32.8	-26.2	43.29	54	-10.71	-	-	233	104	V

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

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BANDEDGE (HIGH CHANNEL, CH 11)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	54.66	Pk	32.8	-26.2	61.26	-	-	74	-12.74	103	131	H
2	* 2.484	55.84	Pk	32.8	-26.2	62.44	-	-	74	-11.56	103	131	H
3	* 2.48351	43.62	RMS	32.8	-26.2	50.22	54	-3.78	-	-	103	131	H
4	* 2.48397	43.96	RMS	32.8	-26.2	50.56	54	-3.44	-	-	103	131	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

UL Fremont - Chamber E

2019 Oct 17 10:37:27

Restricted Bandedge

Project Number:
Config: EUT Only
Mode: TIn HT20 2462MHz ITx
Tested by: 10641

(dBuV/m)

Peak Limit (dBuV/m)

Average Limit (dBuV/m)

13.3MHz/

Frequency (GHz)

Range (GHz)	RBW/BBW	Ref/AltIn	Det/AvG Type	Sweep	Pts	#Seps/Mode	Position	Range (GHz)	RBW/BBW	Ref/AltIn	Det/AvG Type	Sweep	Pts	#Seps/Mode	Position
1.2-4.2-5.63	10K-300/30	10/10	PKR/Freq (dB)	Linear/Video	8000	8001	60 deg 272 on	1.2-4.2-5.63	10K-300/30	10/10	dB/E1/Freq (dB)	Linear/Video	8000	100/100	50 deg 272 on

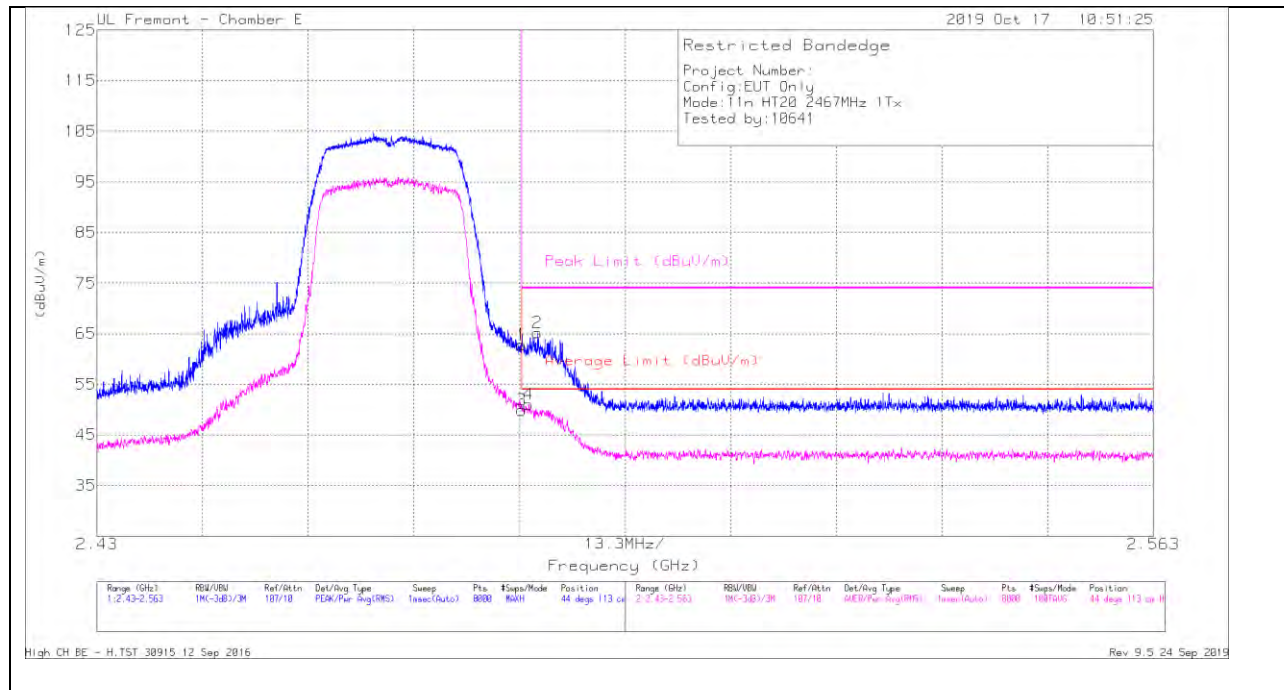
High CH BE - U.TST 30915 12 Sep 2016

Rev 9.5 24 Sep 2019

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	49.89	Pk	32.8	-26.2	56.49	-	-	74	-17.51	69	272	V
2	* 2.4845	52.89	Pk	32.8	-26.2	59.49	-	-	74	-14.51	69	272	V
3	* 2.48351	39.65	RMS	32.8	-26.2	46.25	54	-7.75	-	-	69	272	V
4	* 2.48385	39.95	RMS	32.8	-26.2	46.55	54	-7.45	-	-	69	272	V

Pk - Peak detector
RMS - RMS detection

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

BANDEDGE (HIGH CHANNEL, CH 12)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	56.23	PK	32.8	-26.2	62.83	-	-	74	-11.17	44	113	H
2	* 2.48545	58.64	PK	32.8	-26.2	65.24	-	-	74	-8.76	44	113	H
3	* 2.48351	43.26	RMS	32.8	-26.2	49.86	54	-4.14	-	-	44	113	H
4	* 2.48437	44.46	RMS	32.8	-26.2	51.06	54	-2.94	-	-	44	113	H

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

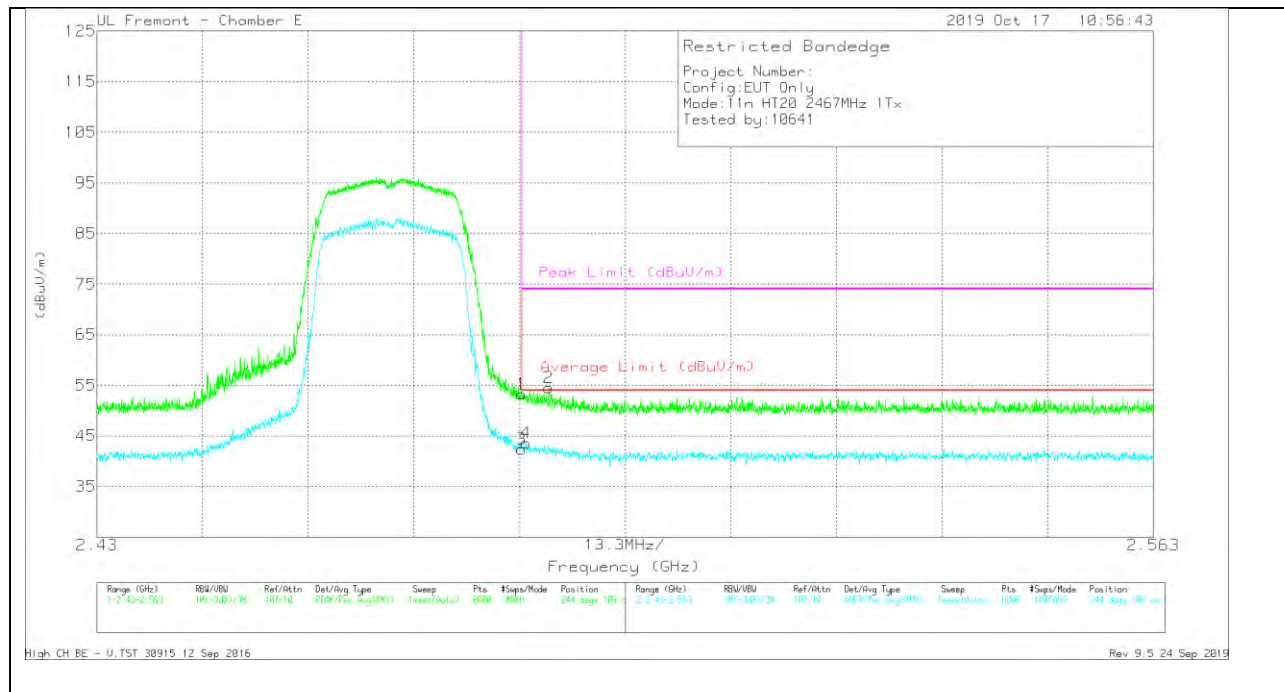
PK - Peak detector

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 T119 (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	46.62	Pk	32.8	-26.2	53.22	-	-	74	-20.78	244	109	V
2	* 2.48691	47.94	Pk	32.8	-26.2	54.54	-	-	74	-19.46	244	109	V
3	* 2.48351	35.71	RMS	32.8	-26.2	42.31	54	-11.69	-	-	244	109	V
4	* 2.48404	37	RMS	32.8	-26.2	43.6	54	-10.4	-	-	244	109	V

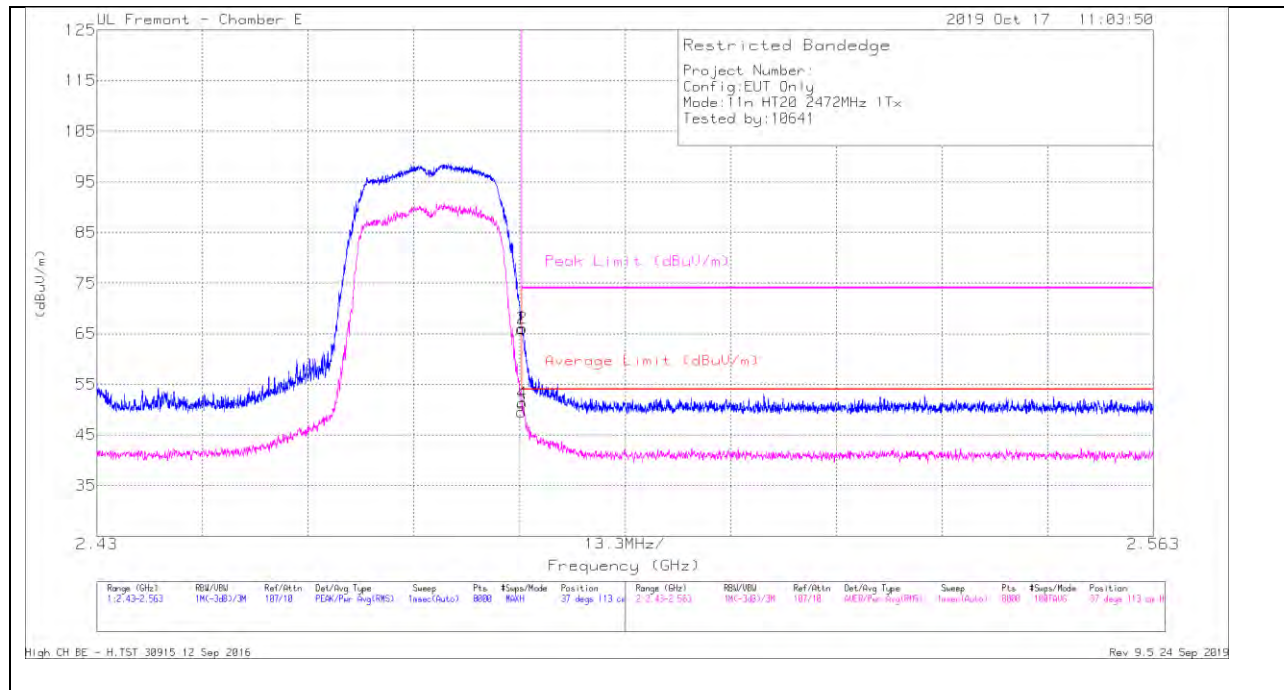
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

High CH BE - V.TST 30915 12 Sep 2016

Rev 9.5 24 Sep 2019

BANDEDGE (HIGH CHANNEL, CH 13)**HORIZONTAL RESULT**

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

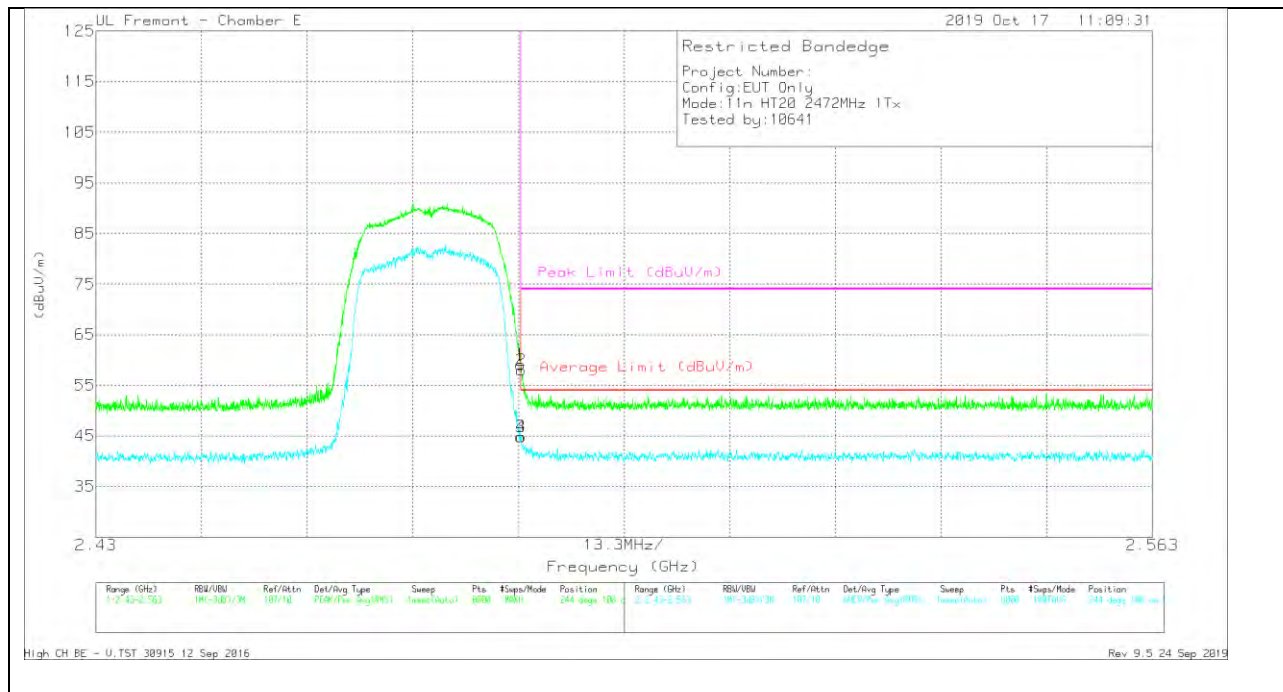
Pk - Peak detector

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 T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	52.47	Pk	32.8	-26.2	59.07	-	-	74	-14.93	244	100	V
2	* 2.48356	51.4	Pk	32.8	-26.2	58	-	-	74	-16	244	100	V
3	* 2.48351	38.25	RMS	32.8	-26.2	44.85	54	-9.15	-	-	244	100	V
4	* 2.48352	38.27	RMS	32.8	-26.2	44.87	54	-9.13	-	-	244	100	V

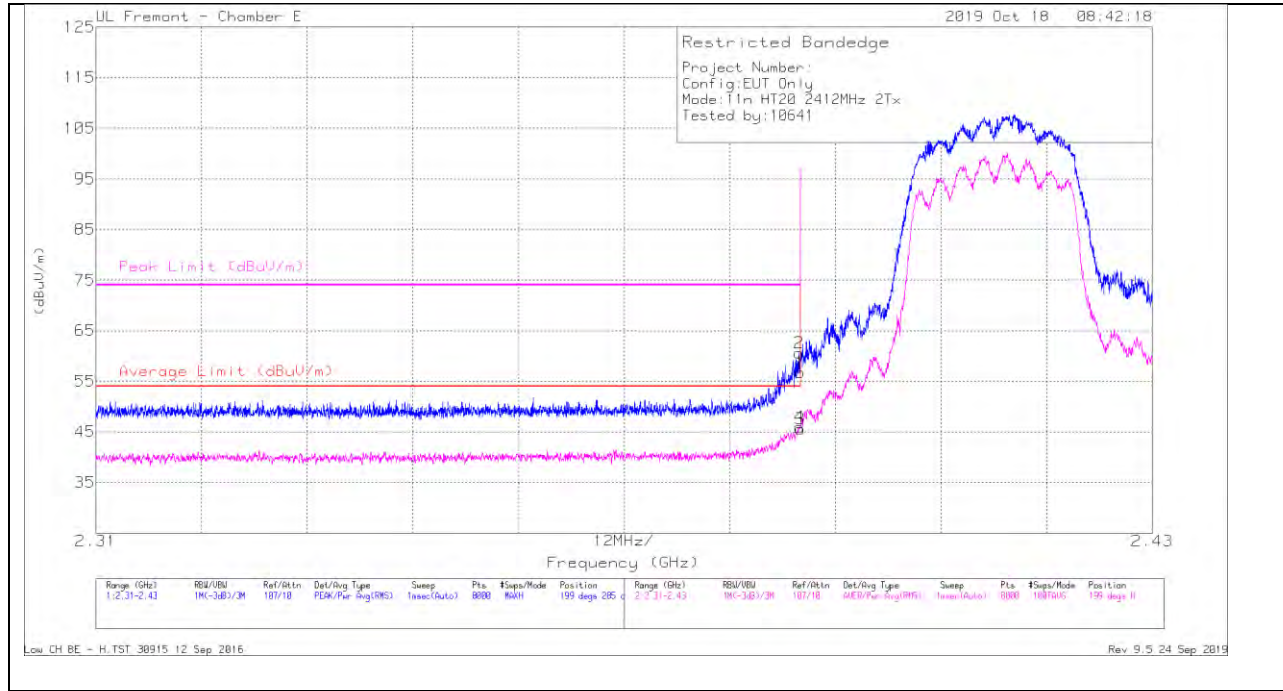
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection

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

2TX UAT1 + LAT3 CDD MODE

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	50.67	Pk	32.3	-26.2	56.77	-	-	74	-17.23	199	285	H
2	* 2.38999	54.44	Pk	32.3	-26.2	60.54	-	-	74	-13.46	199	285	H
3	* 2.38999	39.47	RMS	32.3	-26.2	45.57	54	-8.43	-	-	199	285	H
4	* 2.38995	39.81	RMS	32.3	-26.2	45.91	54	-8.09	-	-	199	285	H

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

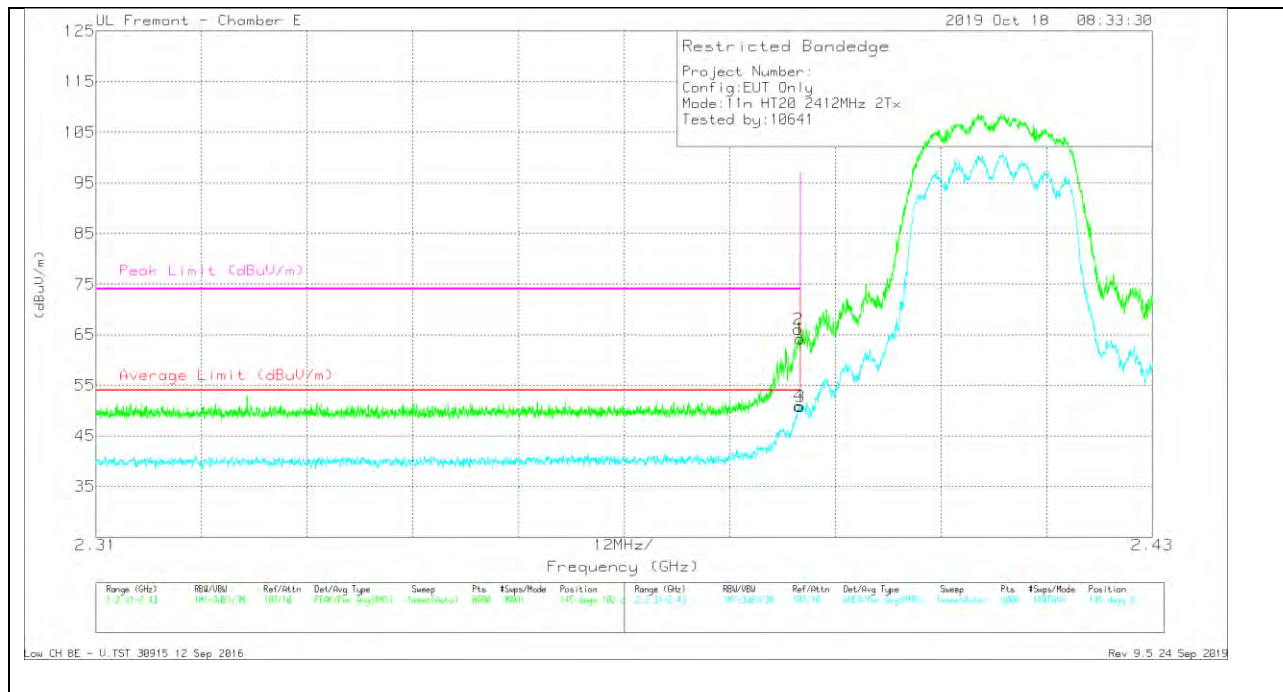
Pk - Peak detector

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 T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	58.06	Pk	32.3	-26.2	64.16	-	-	74	-9.84	145	102	V
2	* 2.38998	59.96	Pk	32.3	-26.2	66.06	-	-	74	-7.94	145	102	V
3	* 2.38999	44.64	RMS	32.3	-26.2	50.74	54	-3.26	-	-	145	102	V
4	* 2.3899	44.81	RMS	32.3	-26.2	50.91	54	-3.09	-	-	145	102	V

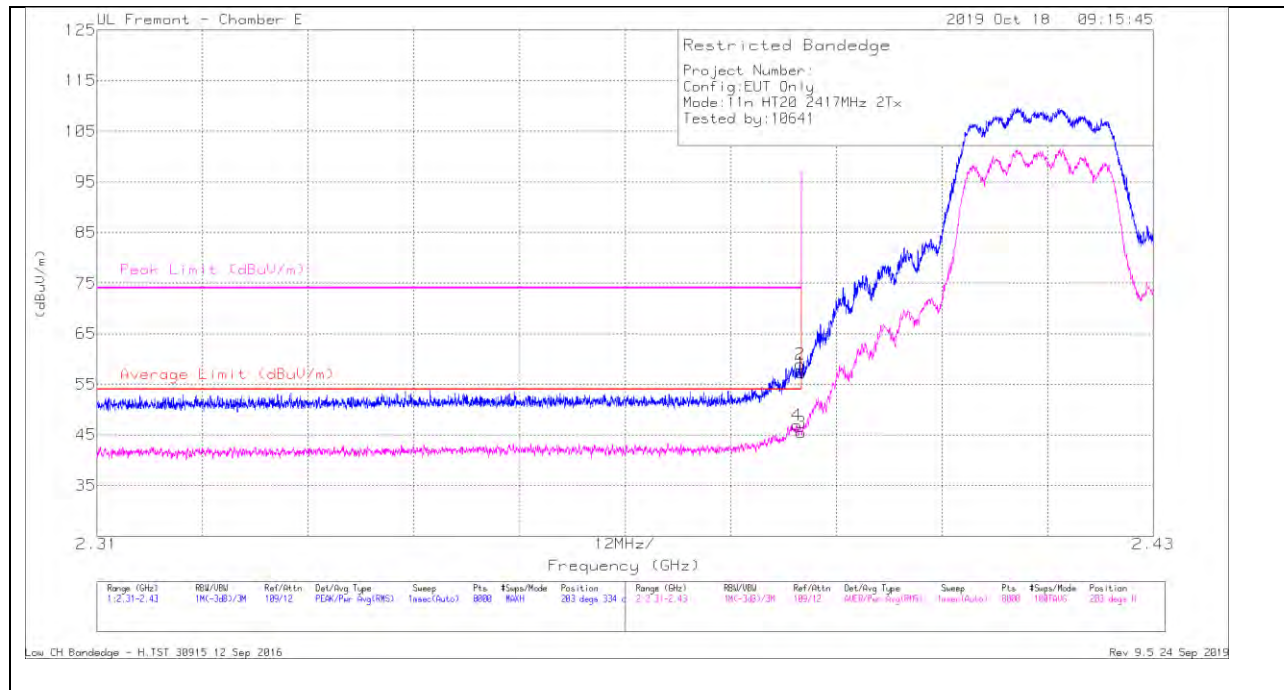
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

Low CH BE - V.TST 30915 12 Sep 2016

Rev 9.5 24 Sep 2019

BANDEDGE (LOW CHANNEL, CH 2)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	43.16	Pk	32.3	-18.2	57.28	-	-	74	-16.72	203	334	H
2	* 2.38984	44.89	Pk	32.3	-18.2	58.99	-	-	74	-15.01	203	334	H
3	* 2.38999	31.31	RMS	32.3	-18.2	45.41	54	-8.59	-	-	203	334	H
4	* 2.3895	32.87	RMS	32.3	-18.2	46.97	54	-7.03	-	-	203	334	H

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

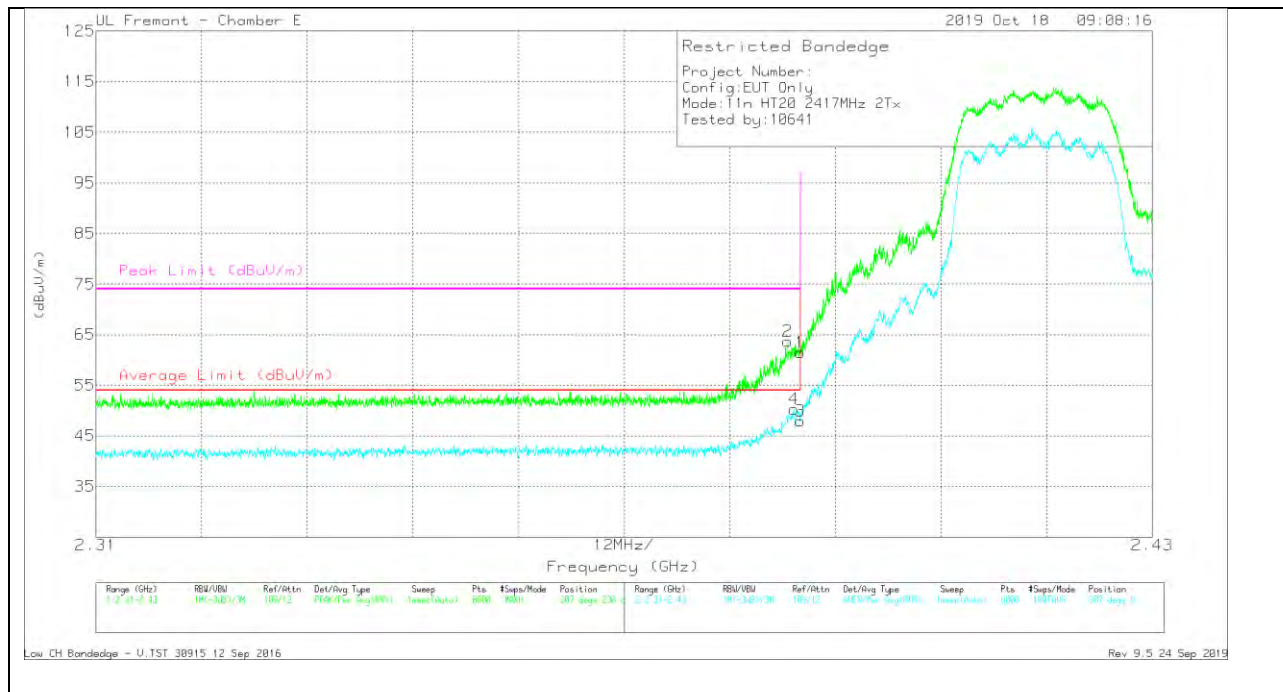
Pk - Peak detector

RMS - RMS detection

Low CH Bandedge - H.TST 30915 12 Sep 2016

Rev 9.5 24 Sep 2019

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	47.38	Pk	32.3	-18.2	61.48	-	-	74	-12.52	307	230	V
2	* 2.38858	49.57	Pk	32.3	-18.2	63.67	-	-	74	-10.33	307	230	V
3	* 2.38999	33.88	RMS	32.3	-18.2	47.98	54	-6.02	-	-	307	230	V
4	* 2.3893	36.22	RMS	32.3	-18.2	50.32	54	-3.68	-	-	307	230	V

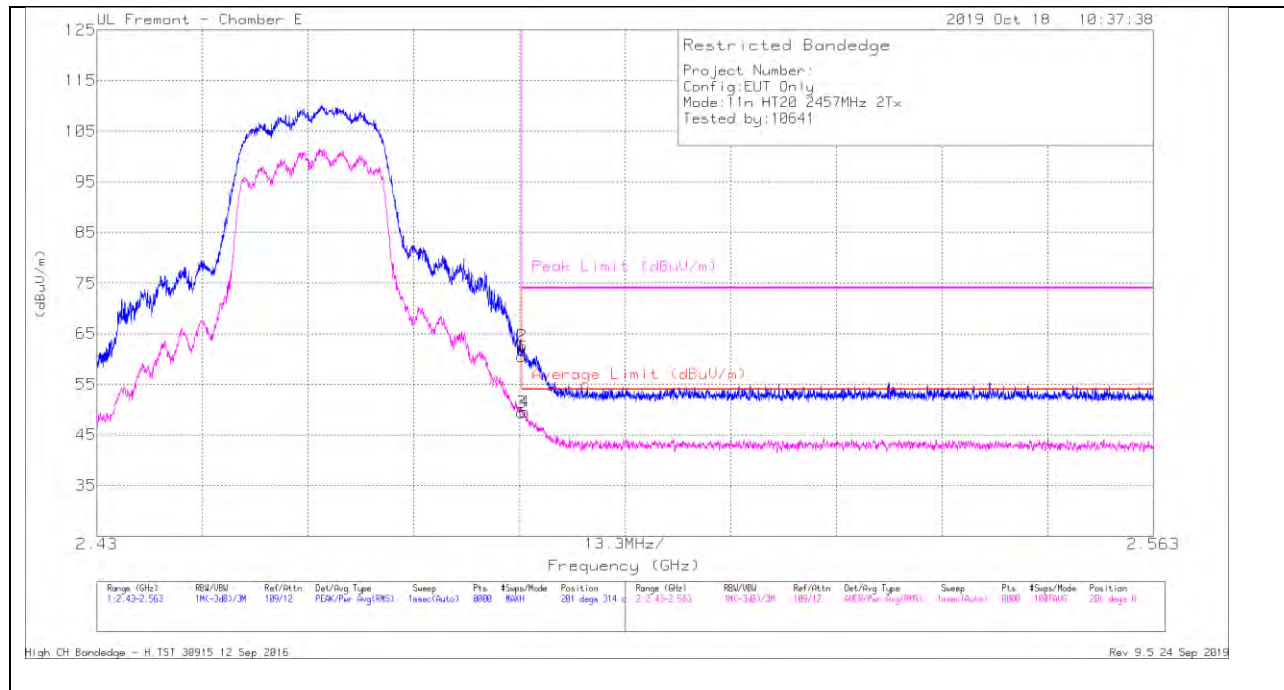
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

Low CH Bandedge - V.TST 30915 12 Sep 2016

Rev 9.5 24 Sep 2019

BANDEDGE (HIGH CHANNEL, CH 10)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	45.62	Pk	32.8	-18	60.42	-	-	74	-13.58	201	314	H
2	* 2.48357	47.81	Pk	32.8	-18	62.61	-	-	74	-11.39	201	314	H
3	* 2.48351	34.67	RMS	32.8	-18	49.47	54	-4.53	-	-	201	314	H
4	* 2.48389	34.71	RMS	32.8	-18	49.51	54	-4.49	-	-	201	314	H

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

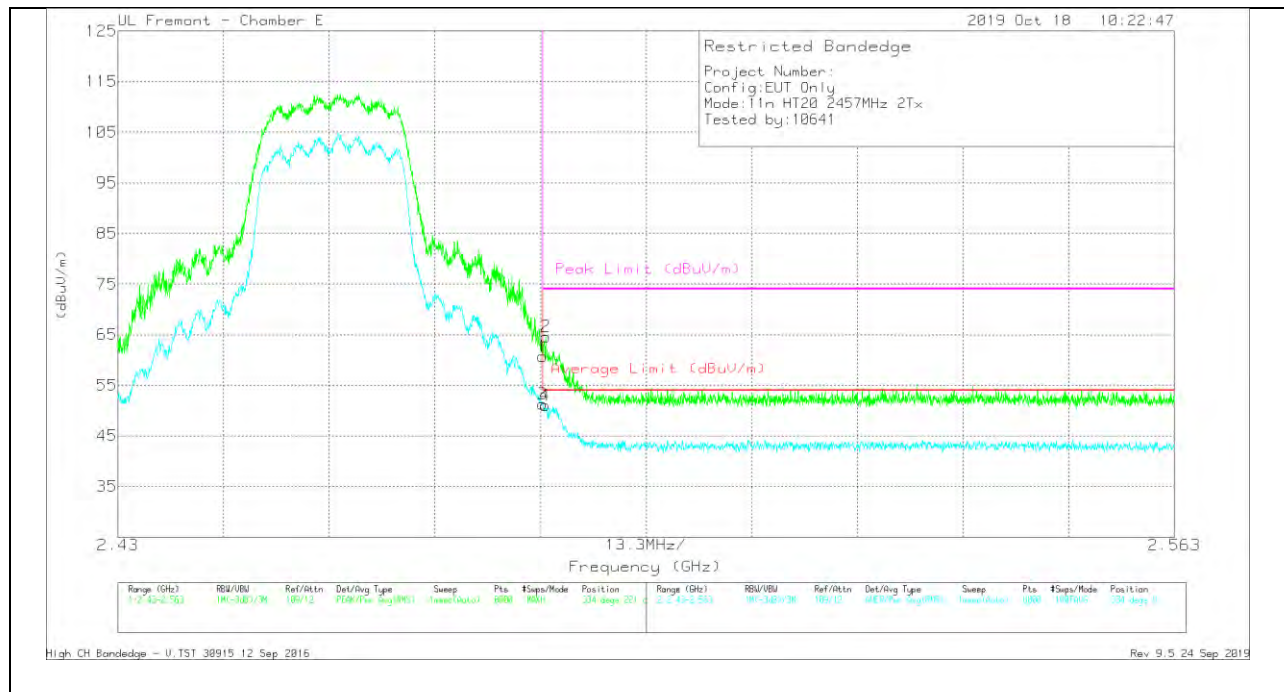
Pk - Peak detector

RMS - RMS detection

High CH Bandedge - H.TST 30915 12 Sep 2016

Rev 9.5 24 Sep 2019

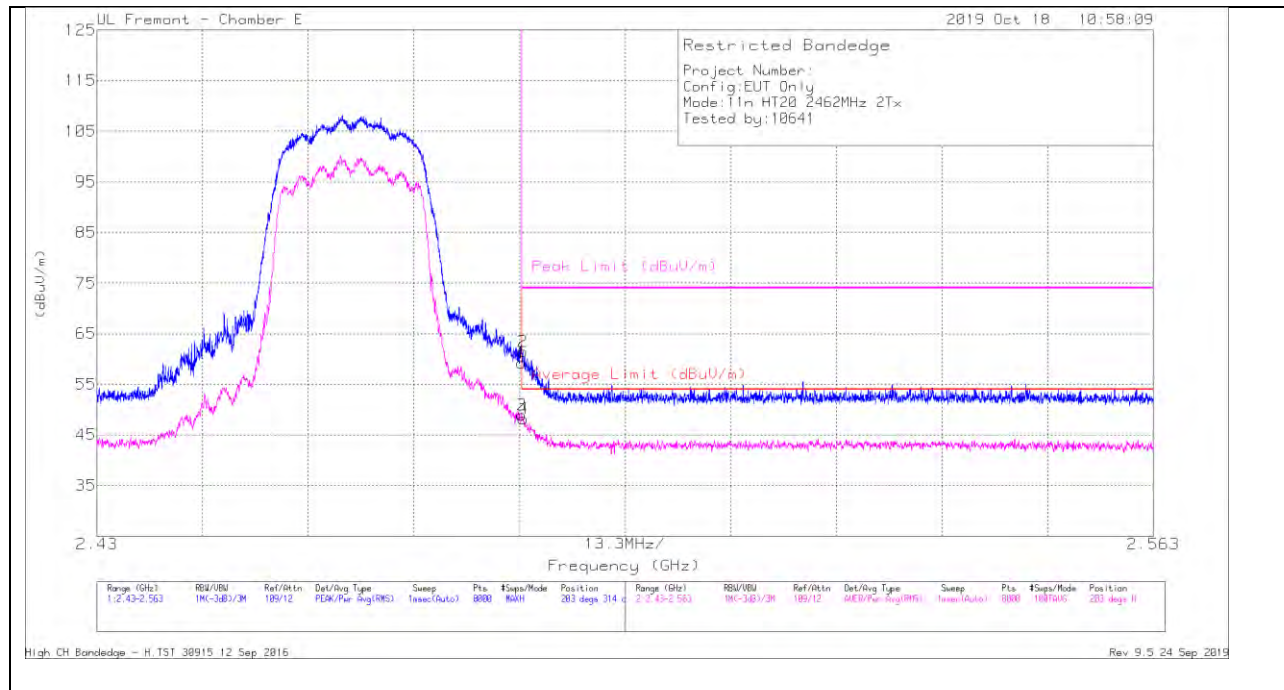
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	45.89	Pk	32.8	-18	60.69	-	-	74	-13.31	334	221	V
2	* 2.48385	49.83	Pk	32.8	-18	64.63	-	-	74	-9.37	334	221	V
3	* 2.48351	36.54	RMS	32.8	-18	51.34	54	-2.66	-	-	334	221	V
4	* 2.48379	36.27	RMS	32.8	-18	51.07	54	-2.93	-	-	334	221	V

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

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

BANDEDGE (HIGH CHANNEL, CH 11)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	44.48	PK	32.8	-18	59.28	-	-	74	-14.72	203	314	H
2	* 2.48364	46.68	PK	32.8	-18	61.48	-	-	74	-12.52	203	314	H
3	* 2.48351	34.17	RMS	32.8	-18	48.97	54	-5.03	-	-	203	314	H
4	* 2.48367	33.41	RMS	32.8	-18	48.21	54	-5.79	-	-	203	314	H

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

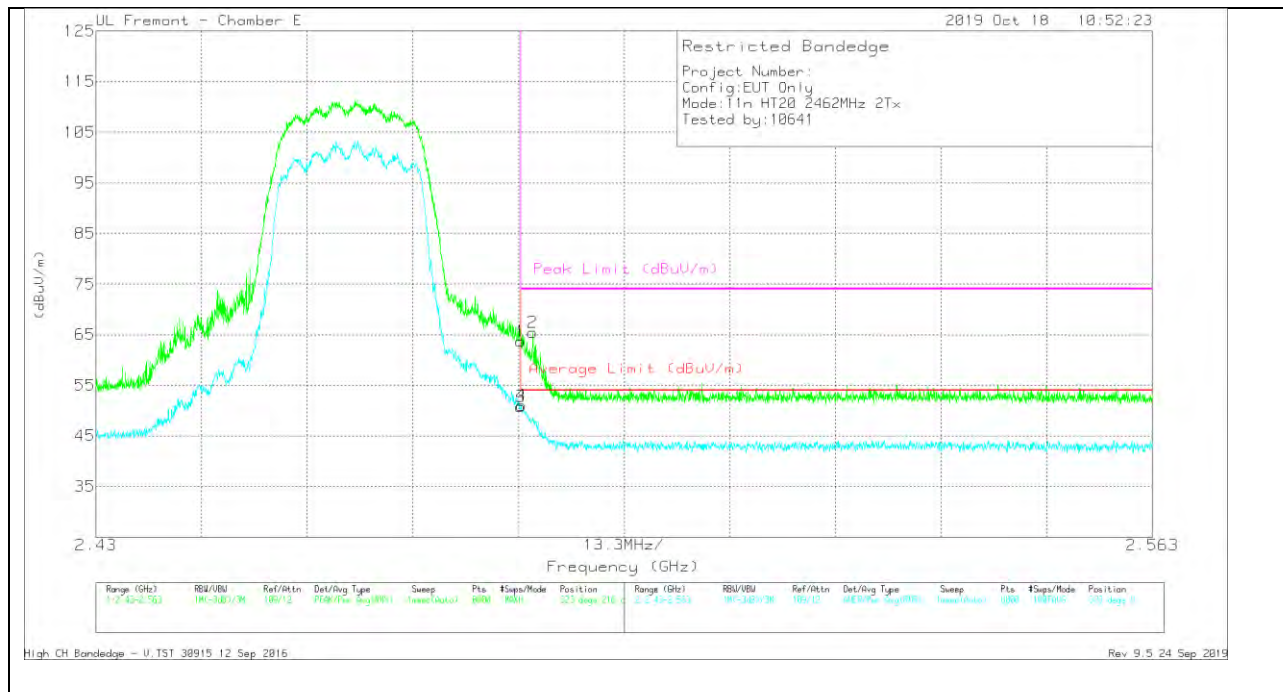
PK - Peak detector

RMS - RMS detection

High CH Bandedge - H.TST 30915 12 Sep 2016

Rev 9.5 24 Sep 2019

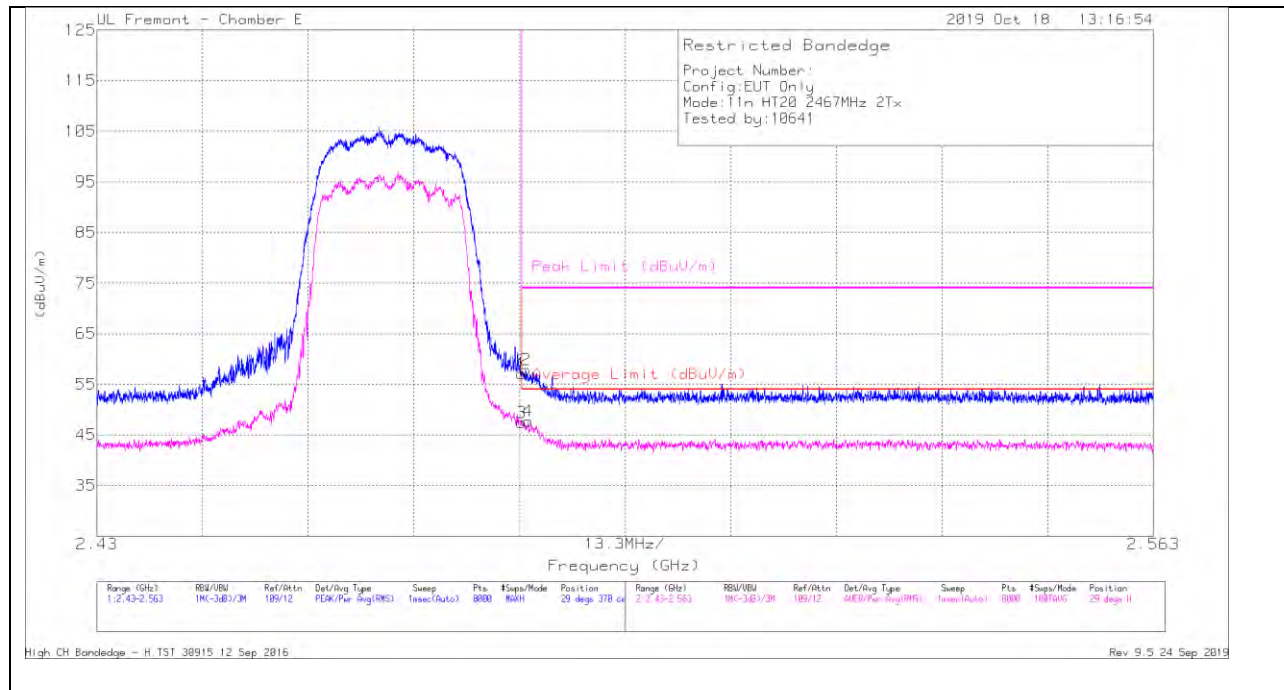
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	48.88	PK	32.8	-18	63.68	-	-	74	-10.32	323	216	V
2	* 2.48499	50.59	PK	32.8	-18	65.39	-	-	74	-8.61	323	216	V
3	* 2.48351	36.04	RMS	32.8	-18	50.84	54	-3.16	-	-	323	216	V
4	* 2.48352	36.27	RMS	32.8	-18	51.07	54	-2.93	-	-	323	216	V

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

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

BANDEDGE (HIGH CHANNEL, CH 12)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	42.36	PK	32.8	-18	57.16	-	-	74	-16.84	29	370	H
2	* 2.48399	43.04	PK	32.8	-18	57.84	-	-	74	-16.16	29	370	H
3	* 2.48351	32.69	RMS	32.8	-18	47.49	54	-6.51	-	-	29	370	H
4	* 2.48429	32.9	RMS	32.8	-18	47.7	54	-6.3	-	-	29	370	H

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

PK - Peak detector

RMS - RMS detection

High CH Bandedge - H.TST 30915 12 Sep 2016

Rev 9.5 24 Sep 2019

UL Fremont - Chamber E

2019 Oct 18 13:09:40

Restricted Bandedge
 Project Number:
 Config: EUT Only
 Mode: T1n HT20 2467MHz 2Tx
 Tested by: 10641

Peak Limit (dBuV/m)

Average Limit (dBuV/m)

Frequency (GHz)

Range (GHz) RBW/UBW Ref/Altin Det/Div Type Sweep Pts #Seps/Mode Position Range (GHz) RBW/UBW Ref/Altin Det/Div Type Sweep Pts #Seps/Mode Position

1.2-4.2-5.63 100-300/30 100/12 P100/F12c dlog(000) Swept (Time/Altin) 4000 8000 144 dlog 200 2.2-4.2-5.63 100-300/30 100/12 P100/F12c dlog(000) Swept (Time/Altin) 4000 8000 144 dlog 200

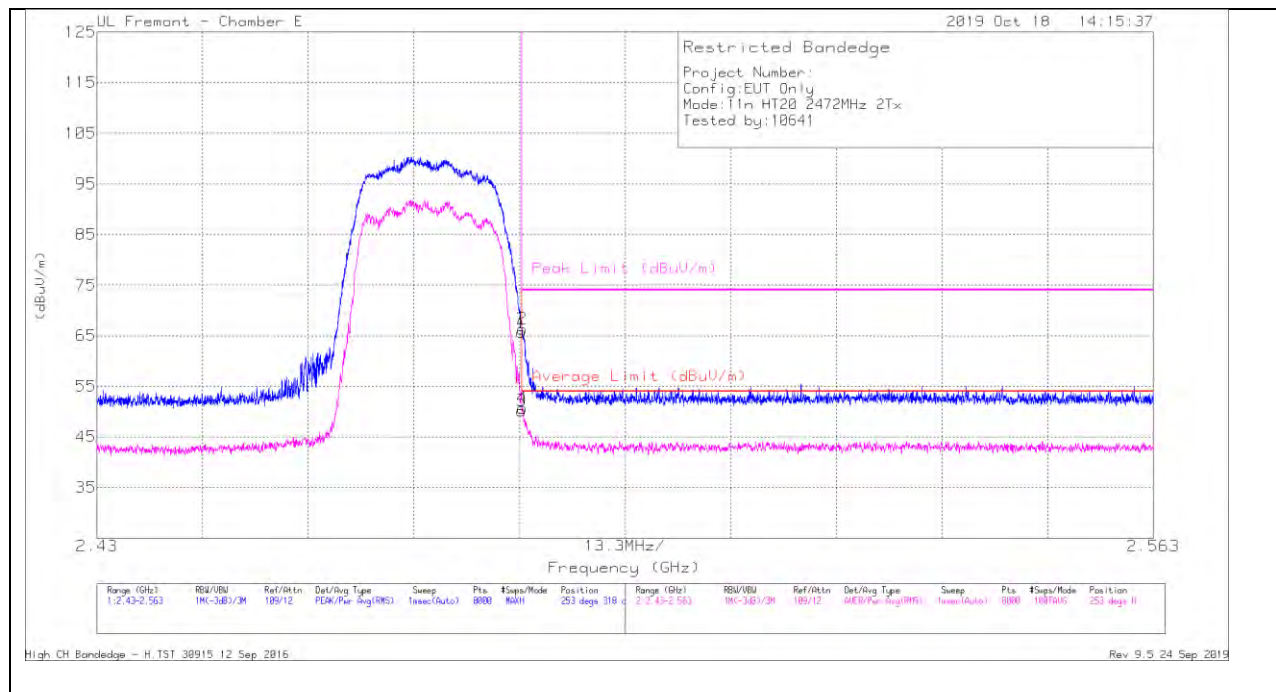
High CH Bandedge - U.TST 38915 12 Sep 2016

Rev 9.5 24 Sep 2019

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	45.16	Pk	32.8	-18	59.96	-	-	74	-14.04	144	208	V
2	* 2.48447	47	Pk	32.8	-18	61.8	-	-	74	-12.2	144	208	V
3	* 2.48351	36.08	RMS	32.8	-18	50.28	54	-3.12	-	-	144	208	V
4	* 2.48395	35.43	RMS	32.8	-18	50.83	54	-3.77	-	-	144	208	V

RMS - RMS detection

Rev 9.5 24 Sep 2019

BANDEDGE (HIGH CHANNEL, CH 13)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	50.92	Pk	32.8	-18	65.72	-	-	74	-8.28	253	318	H
2	* 2.48354	51.57	Pk	32.8	-18	66.37	-	-	74	-7.63	253	318	H
3	* 2.48351	35.33	RMS	32.8	-18	50.13	54	-3.87	-	-	253	318	H
4	* 2.48357	35.88	RMS	32.8	-18	50.68	54	-3.32	-	-	253	318	H

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

Pk - Peak detector

RMS - RMS detection

High CH Bandedge - H.TST 30915 12 Sep 2016

Rev 9.5 24 Sep 2019

UL Fremont - Chamber E

2019 Oct 18 14:04:16

Restricted Bandedge

Project Number:

Config: EUT Only

Mode: T1n HT20 2472MHz 2Tx

Tested by: 10641

(dBuV/m)

Peak Limit (dBuV/m)

Average Limit (dBuV/m)

13.3MHz/

Frequency (GHz)

2.43 2.563

Range (GHz)	RBW/BBW	Ref/AltIn	Det/Alg Type	Sweep	Pts	#Seps/Mode	Position	Range (GHz)	RBW/BBW	Ref/AltIn	Det/Alg Type	Sweep	Pts	#Seps/Mode	Position
1.2-4.2-5.6	10K-300/3K	10/12	PKB/Freq Avg (PK)	Linear/Video	8000	8001	232 deg 350	1.2-4.2-5.6	10K-300/3K	10/12	dBEP/Freq Avg (PK)	Linear/Video	8000	100/100	232 deg 0

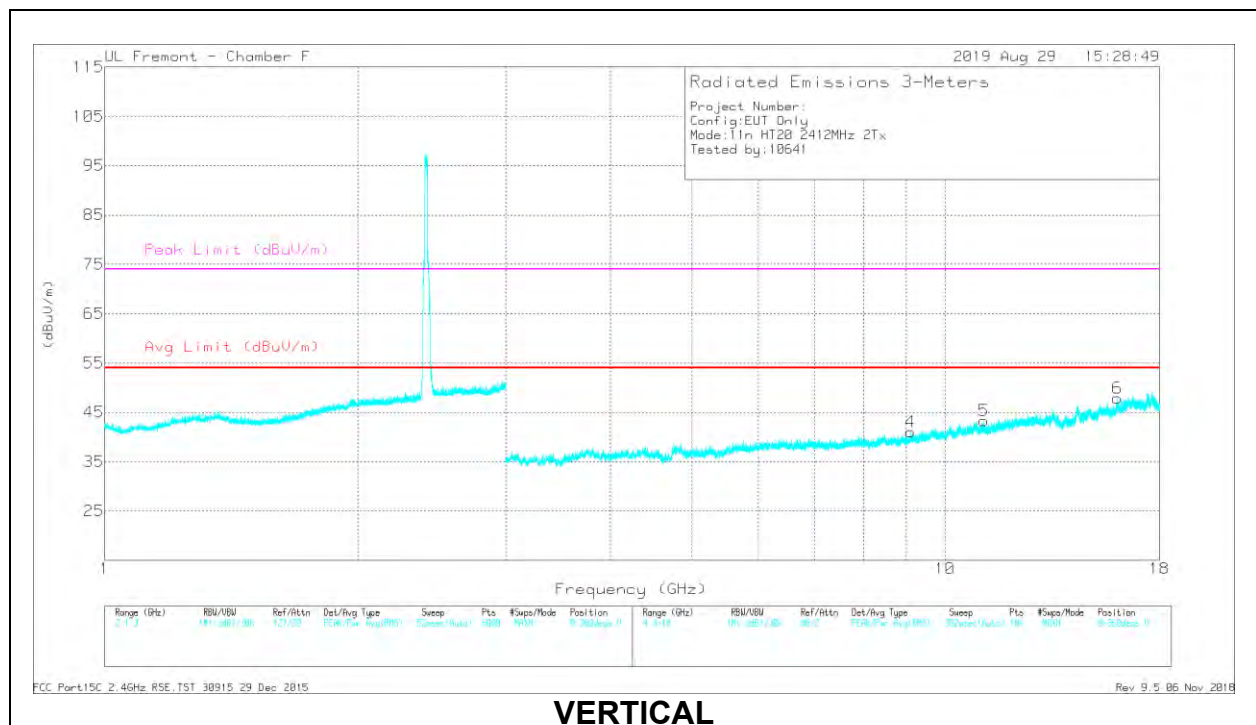
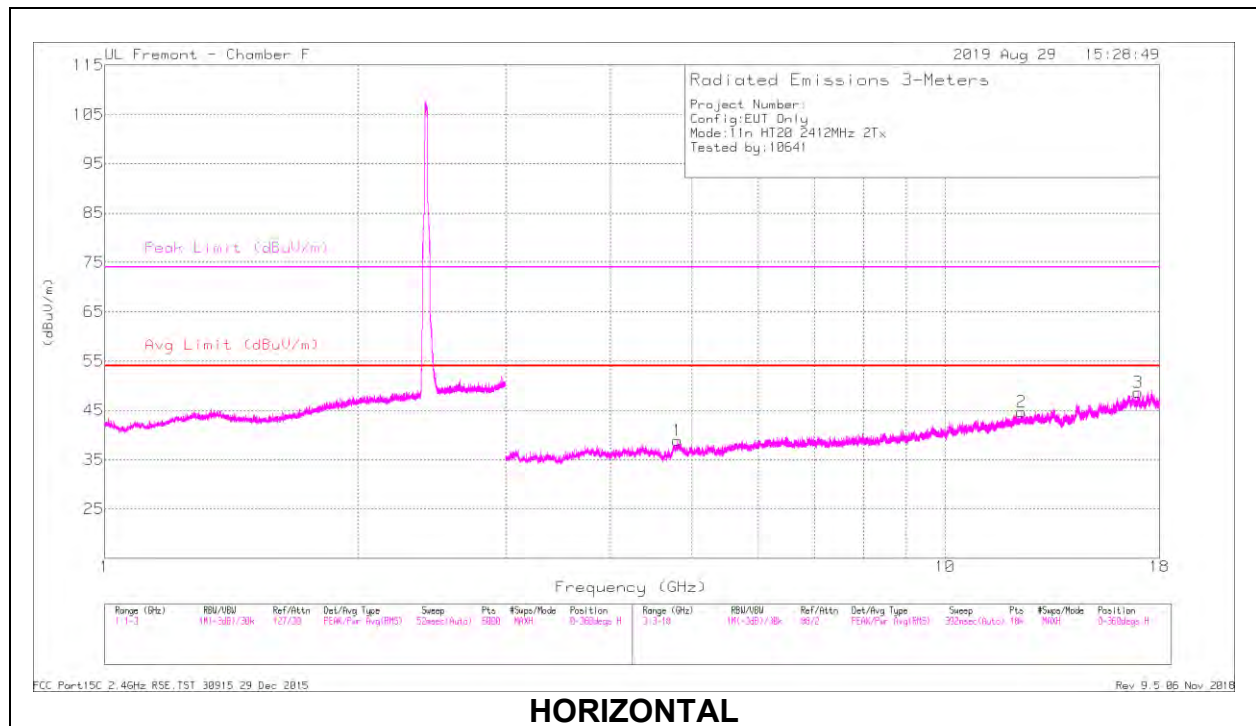
High CH Bandedge - U.TST 38915 12 Sep 2016

Rev 9.5 24 Sep 2019

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	49.75	Pk	32.8	-18	64.55	-	-	74	-9.45	332	398	V
2	* 2.48357	49.54	Pk	32.8	-18	64.34	-	-	74	-9.66	332	398	V
3	* 2.48351	35.32	RMS	32.8	-18	50.12	54	-3.88	-	-	332	398	V
4	* 2.48364	34.18	RMS	32.8	-18	48.98	54	-5.02	-	-	332	398	V

RMS - RMS detection

Rev 9.5 24 Sep 2019

HARMONICS AND SPURIOUS EMISSIONS**LOW CHANNEL, CH 1 RESULTS**

RADIATED EMISSIONS

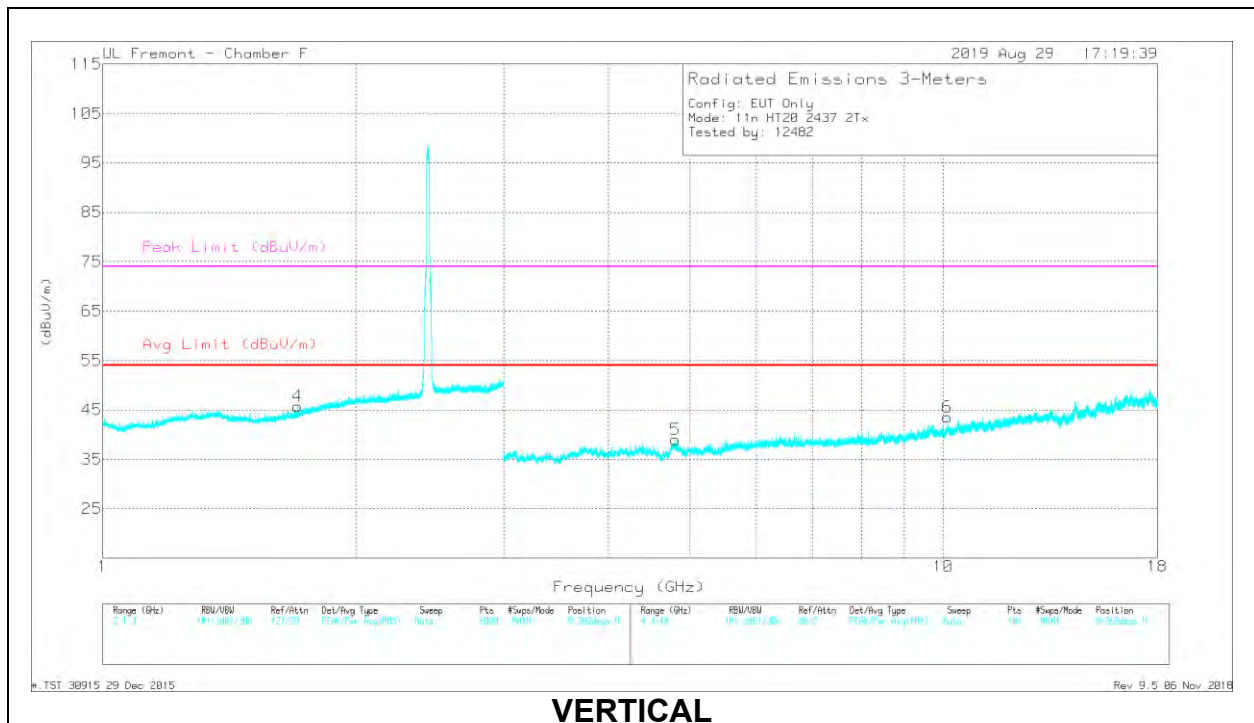
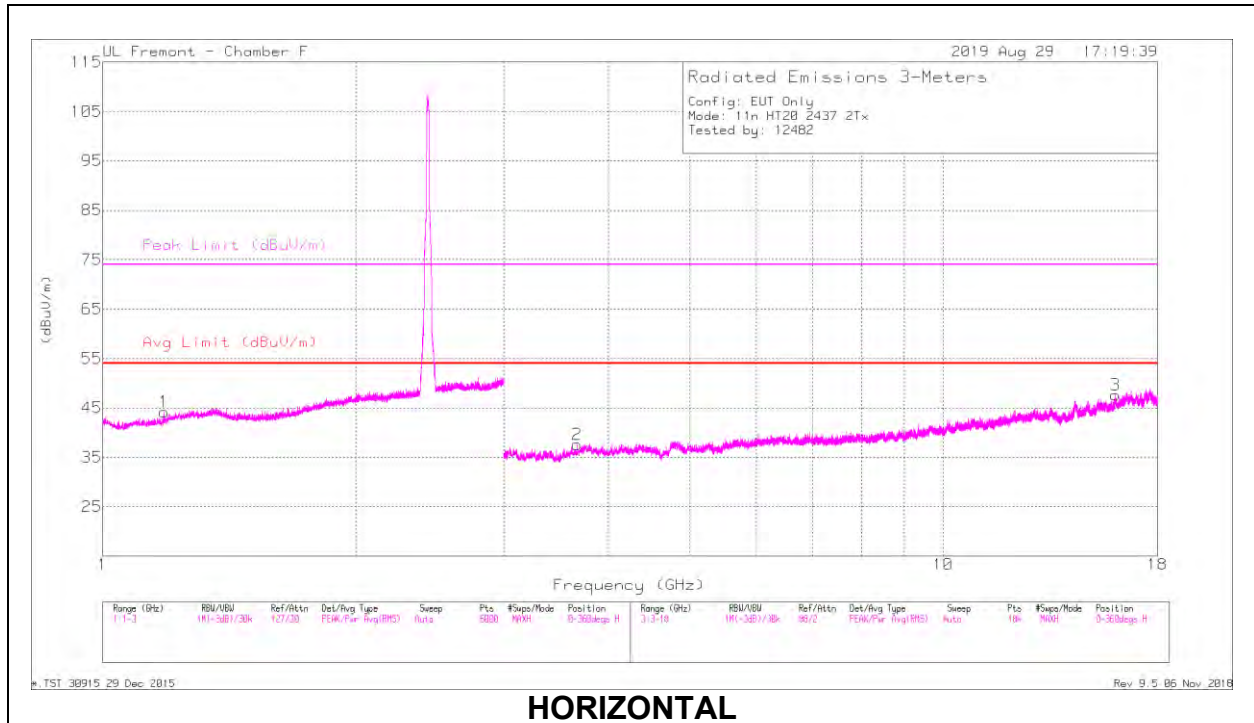
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.807	54.3	PK2	34.2	-44.3	44.2	-	-	74	-29.8	122	250	H
	* 4.808	42.98	MAv1	34.2	-44.2	32.98	54	-21.02	-	-	122	250	H
2	* 12.328	50.22	PK2	39.1	-38.8	50.52	-	-	74	-23.48	88	216	H
	* 12.328	39.33	MAv1	39.1	-38.8	39.63	54	-14.37	-	-	88	216	H
3	16.986	50.37	PK2	41.5	-37.4	54.47	-	-	74	-19.53	296	135	H
4	* 9.099	50.72	PK2	36.3	-39.8	47.22	-	-	74	-26.78	117	257	V
	* 9.099	39.48	MAv1	36.3	-39.8	35.98	54	-18.02	-	-	117	257	V
5	* 11.137	49.96	PK2	38	-38.2	49.76	-	-	74	-24.24	239	384	V
	* 11.136	38.49	MAv1	38	-38.2	38.29	54	-15.71	-	-	239	384	V
6	* 16.053	50.6	PK2	40.8	-37.4	54	-	-	74	-20	189	372	V
	* 16.053	39.84	MAv1	40.8	-37.4	43.24	54	-10.76	-	-	189	372	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, CH 6 RESULTS



RADIATED EMISSIONS

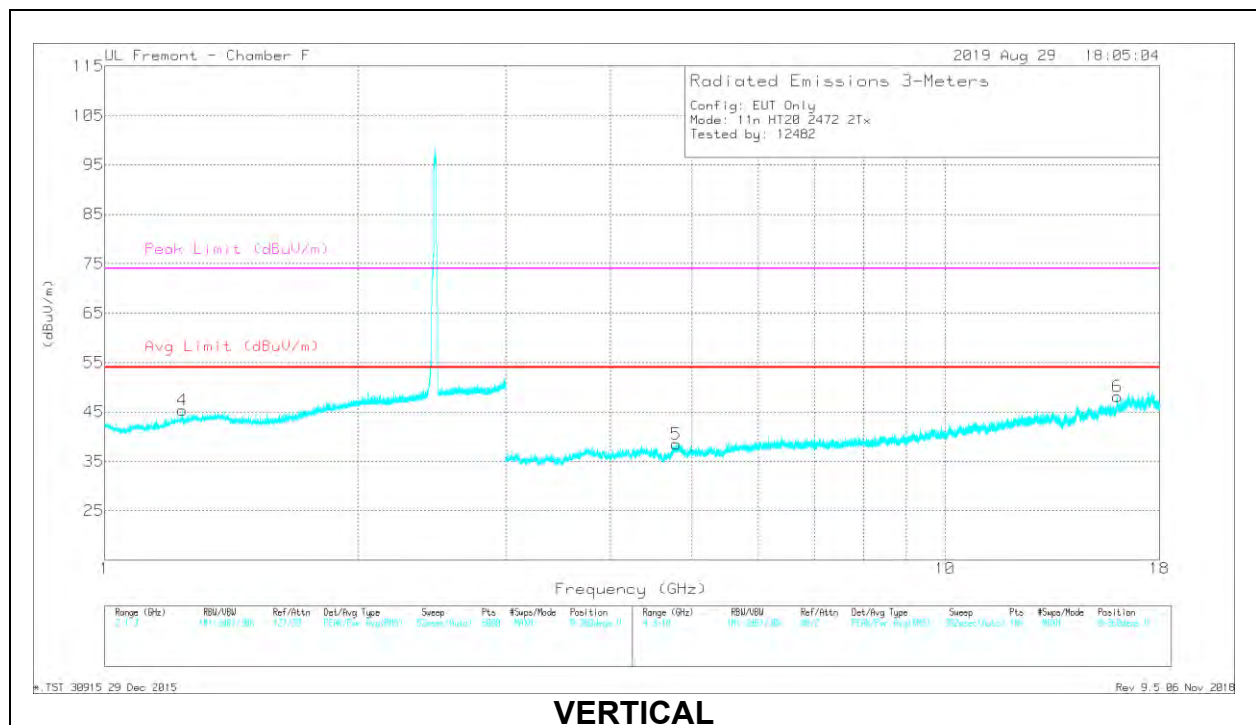
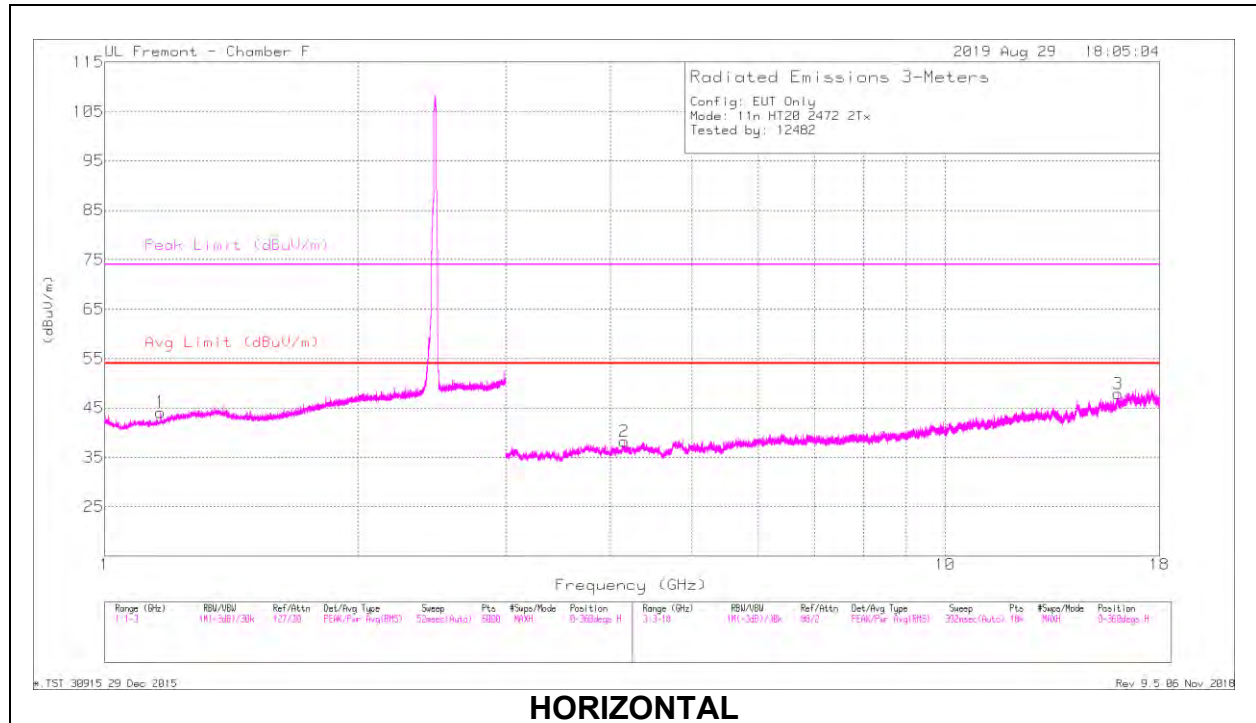
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.185	59.06	PK2	28	-36.7	50.36	-	-	74	-23.64	78	158	H
	* 1.184	47.42	MAv1	28	-36.8	38.62	54	-15.38	-	-	78	158	H
4	* 1.705	59.51	PK2	29.1	-36.5	52.11	-	-	74	-21.89	288	288	V
	* 1.705	47.76	MAv1	29.1	-36.5	40.36	54	-13.64	-	-	288	288	V
2	* 3.668	53.3	PK2	33	-43.4	42.9	-	-	74	-31.1	169	154	H
	* 3.667	42.28	MAv1	33	-43.4	31.88	54	-22.12	-	-	169	154	H
3	* 16.038	50.83	PK2	40.8	-37	54.63	-	-	74	-19.37	78	256	H
	* 16.036	39.89	MAv1	40.8	-37.1	43.59	54	-10.41	-	-	78	256	H
5	* 4.809	55.7	PK2	34.2	-44.2	45.7	-	-	74	-28.3	323	303	V
	* 4.807	43.68	MAv1	34.2	-44.3	33.58	54	-20.42	-	-	323	303	V
4	10.117	50.9	PK2	37.1	-39	49	-	-	-	-	354	112	V
	10.118	39.85	MAv1	37.1	-39	37.95	-	-	-	-	354	112	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, CH 13 RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Fit r/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	* 1.165	58.73	PK2	27.6	-36.7	49.63	-	-	74	-24.37	221	155	H
	* 1.164	47.68	MAv1	27.6	-36.7	38.58	54	-15.42	-	-	221	155	H
4	* 1.235	59.14	PK2	28.7	-36.7	51.14	-	-	74	-22.86	78	208	V
	* 1.239	47.5	MAv1	28.6	-36.7	39.4	54	-14.6	-	-	78	208	V
2	* 4.147	55.59	PK2	33.7	-44.1	45.19	-	-	74	-28.81	145	146	H
	* 4.148	43.35	MAv1	33.7	-44	33.05	54	-20.95	-	-	145	146	H
3	* 16.06	50.69	PK2	40.9	-37.7	53.89	-	-	74	-20.11	255	123	H
	* 16.062	39.75	MAv1	40.8	-37.8	42.75	54	-11.25	-	-	255	123	H
5	* 4.788	54.42	PK2	34.2	-44.2	44.42	-	-	74	-29.58	32	269	V
	* 4.786	43.21	MAv1	34.2	-44.3	33.11	54	-20.89	-	-	32	269	V
6	* 16.038	50.51	PK2	40.8	-37	54.31	-	-	74	-19.69	78	125	V
	* 16.038	39.78	MAv1	40.8	-37	43.58	54	-10.42	-	-	78	125	V

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

PK2 - KDB558074 Method: Maximum Peak

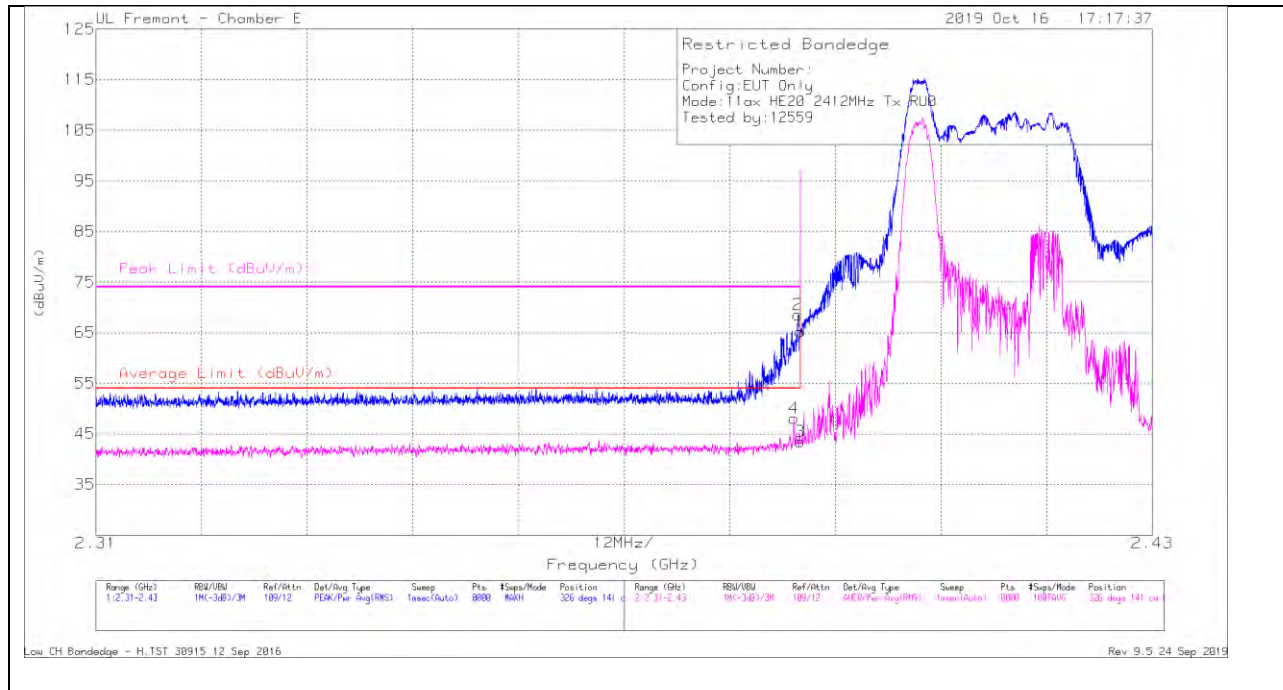
MAv1 - KDB558074 Option 1 Maximum RMS Average

9.1.3. TX ABOVE 1 GHz 802.11ax HE20 MODE IN THE 2.4 GHz BAND

UAT1 LEGACY SISO MODE: 26-Tones, RU Index 0

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	* 2.38099	51.14	Pk	32.3	-18.2	65.24	-	-	74	-8.76	326	141	H
2	* 2.38974	54.47	Pk	32.3	-18.2	66.57	-	-	74	-5.43	326	141	H
3	* 2.38999	29.35	RMS	32.3	-18.2	43.45	54	-10.55	-	-	326	141	H
4	* 2.38929	33.93	RMS	32.3	-18.2	48.03	54	-5.97	-	-	326	141	H

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

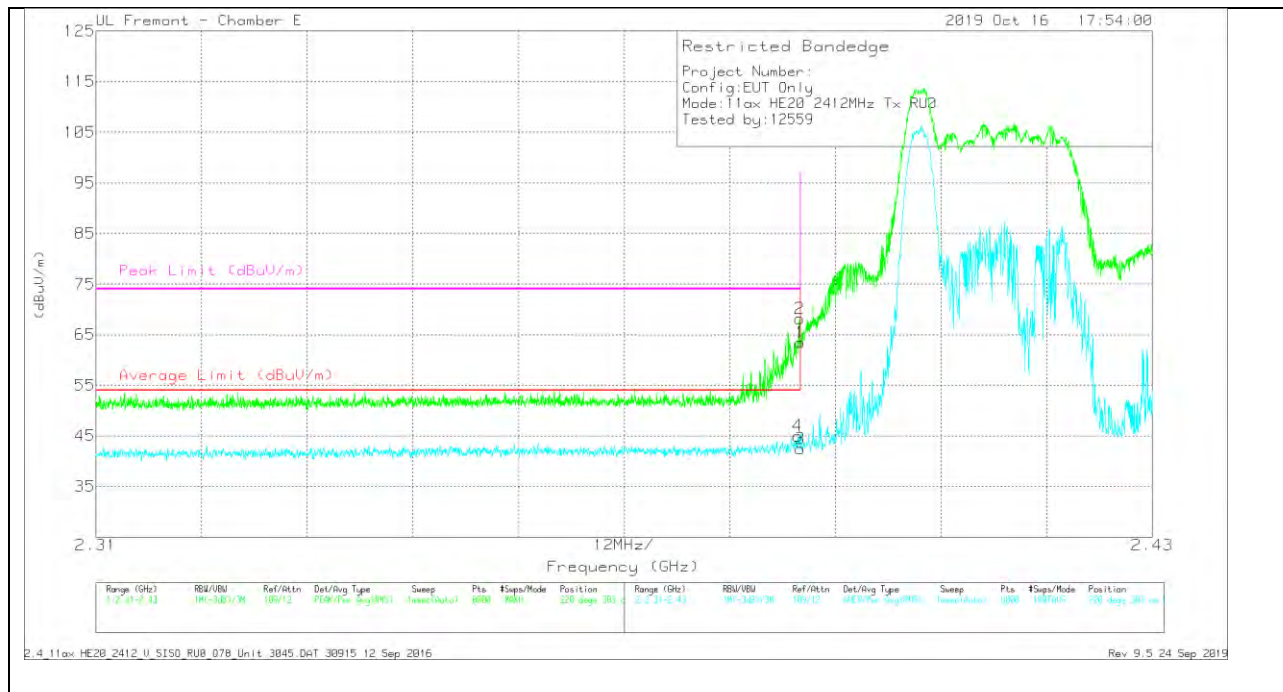
Pk - Peak detector

RMS - RMS detection

Low CH Bandedge - H.TST 30915 12 Sep 2016

Rev 9.5 24 Sep 2019

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	* 2.38972	30.91	RMS	32.3	-18.2	45.01	54	-8.99	-	-	220	383	V
2	* 2.38992	54.02	Pk	32.3	-18.2	68.12	-	-	74	-5.88	220	383	V
1	* 2.38999	49.32	Pk	32.3	-18.2	63.42	-	-	74	-10.58	220	383	V
3	* 2.38999	28.37	RMS	32.3	-18.2	42.47	54	-11.53	-	-	220	383	V

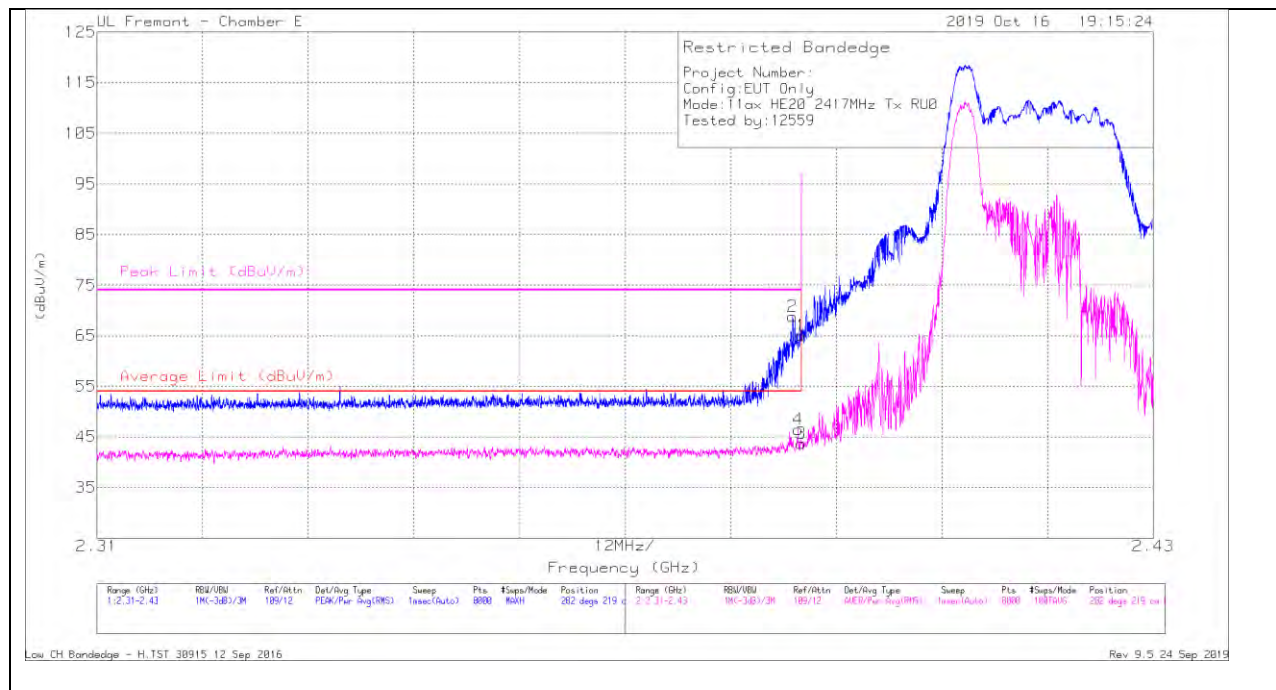
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

2.4_11ax HE20_2412_V_SISO_RU0_Q78_Unit 3045.DAT 30915 12 Sep 2016

Rev 9.5 24 Sep 2019

BANDEDGE (LOW CHANNEL, CH 2)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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
2	* 2.38905	54.73	Pk	32.3	-18.2	68.83	-	-	74	-5.17	282	219	H
4	* 2.38966	32.33	RMS	32.3	-18.2	46.43	54	-7.57	-	-	282	219	H
1	* 2.38999	51.01	Pk	32.3	-18.2	65.11	-	-	74	-8.89	282	219	H
3	* 2.38999	29.66	RMS	32.3	-18.2	43.76	54	-10.24	-	-	282	219	H

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

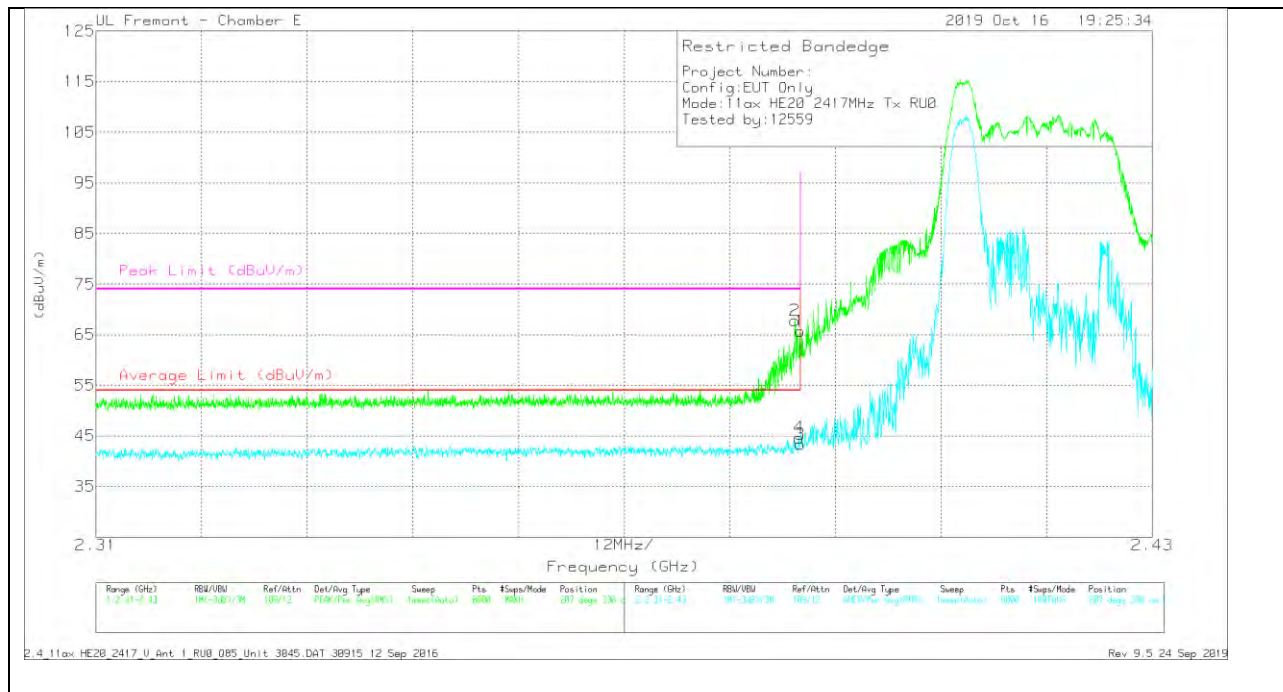
Pk - Peak detector

RMS - RMS detection

Low CH Bandedge - H.TST 30915 12 Sep 2016

Rev 9.5 24 Sep 2019

VERTICAL RESULT

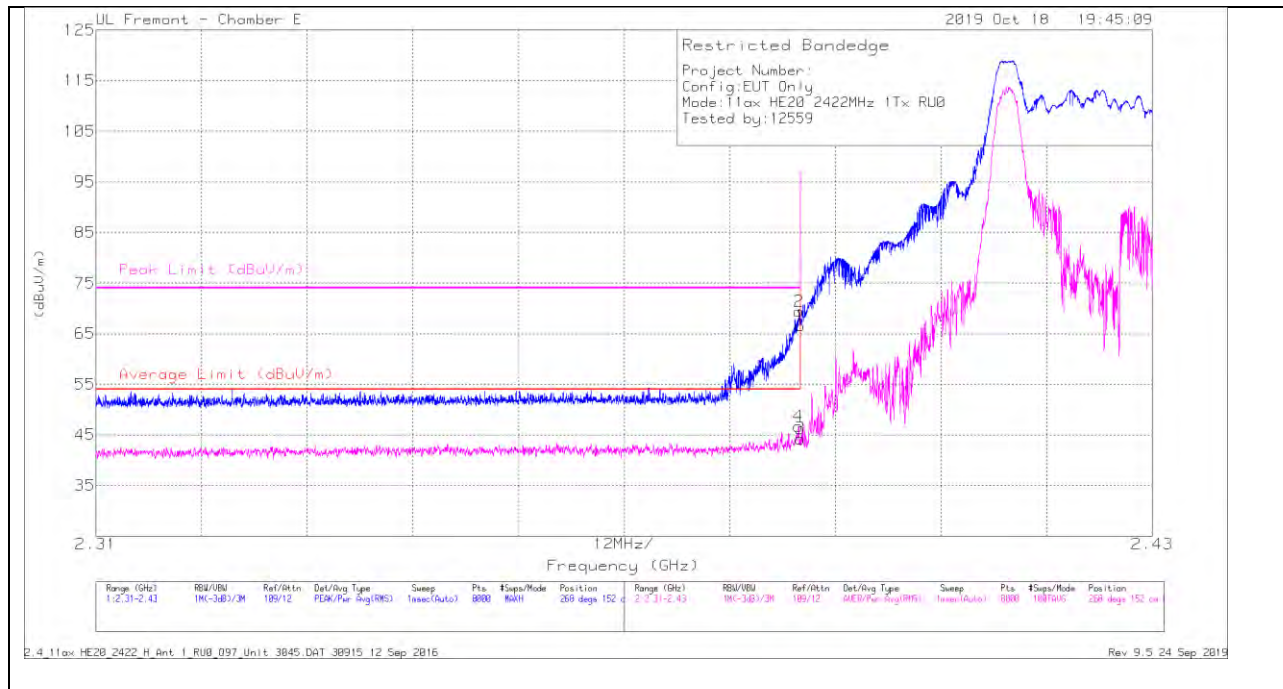


* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection

2.4_11ax HE20_2417_V_Ant 1_RU0_Q85_Unit 3045.DAT 30915 12 Sep 2016
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BANEDGE (LOW CHANNEL, CH 3)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	52.45	Pk	32.3	-18.2	66.55	-	-	74	-7.45	268	152	H
2	* 2.3899	55.33	Pk	32.3	-18.2	69.43	-	-	74	-4.57	268	152	H
3	* 2.38999	30.17	RMS	32.3	-18.2	44.27	54	-9.73	-	-	268	152	H
4	* 2.38983	32.58	RMS	32.3	-18.2	46.68	54	-7.32	-	-	268	152	H

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

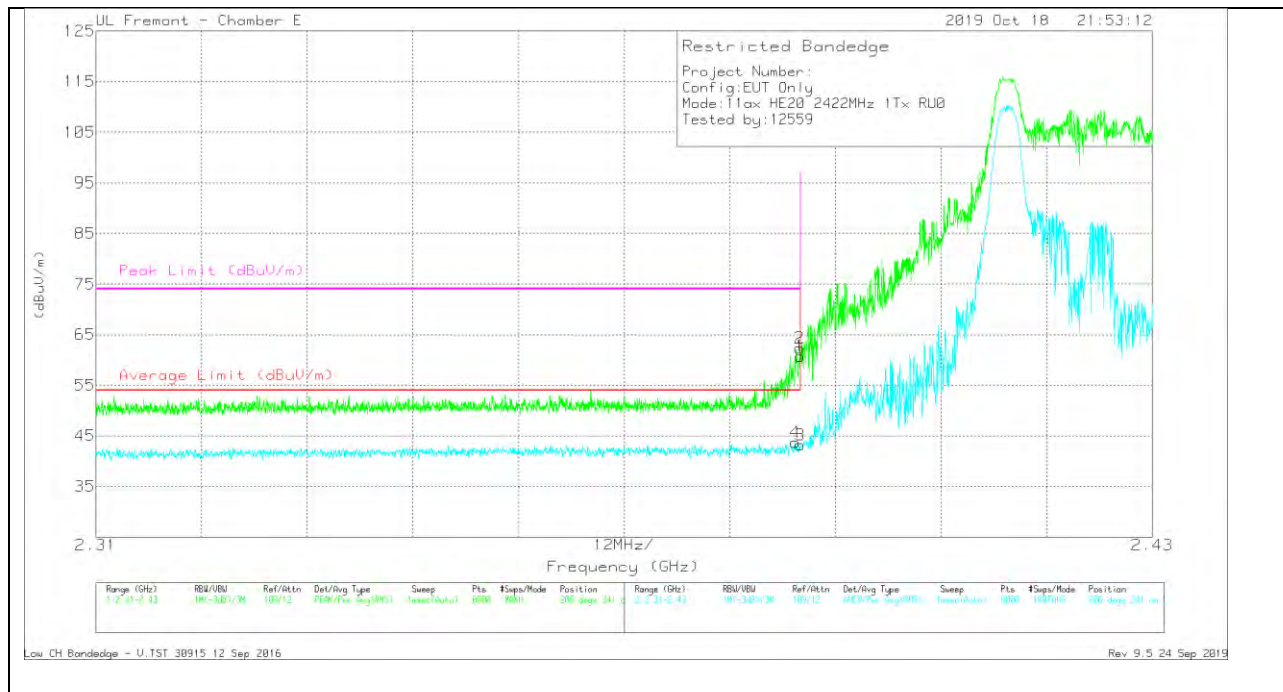
Pk - Peak detector

RMS - RMS detection

2.4_11ax HE20_2422_H_Ant 1_RU0_Q97_Unit 3045.DAT 30915 12 Sep 2016

Rev 9.5 24 Sep 2019

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	46.58	Pk	32.3	-18.2	60.68	-	-	74	-13.32	206	341	V
2	* 2.38995	48.23	Pk	32.3	-18.2	62.33	-	-	74	-11.67	206	341	V
3	* 2.38999	29.16	RMS	32.3	-18.2	43.26	54	-10.74	-	-	206	341	V
4	* 2.38942	29.56	RMS	32.3	-18.2	43.66	54	-10.34	-	-	206	341	V

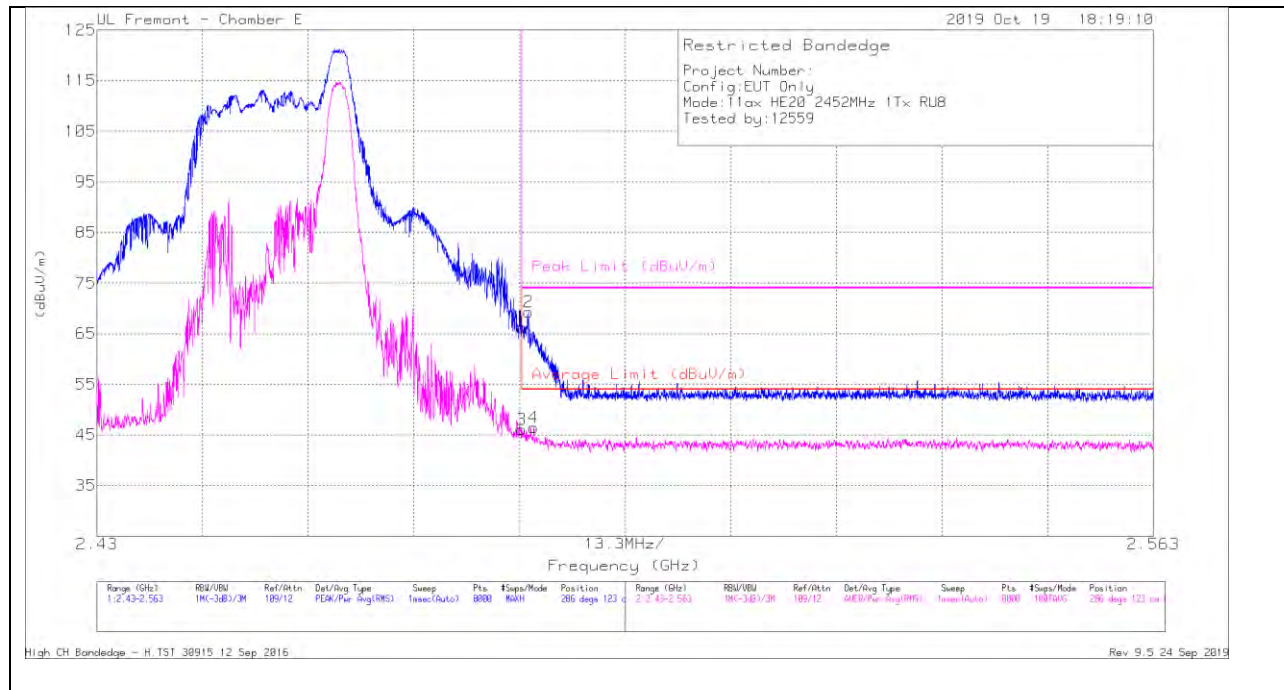
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

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BANDEDGE (HIGH CHANNEL, CH 9)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	51.48	Pk	32.8	-18	66.28	-	-	74	-7.72	286	123	H
2	* 2.48434	54.45	Pk	32.8	-18	69.25	-	-	74	-4.75	286	123	H
3	* 2.48351	31.27	RMS	32.8	-18	46.07	54	-7.93	-	-	286	123	H
4	* 2.48499	31.67	RMS	32.8	-18	46.47	54	-7.53	-	-	286	123	H

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

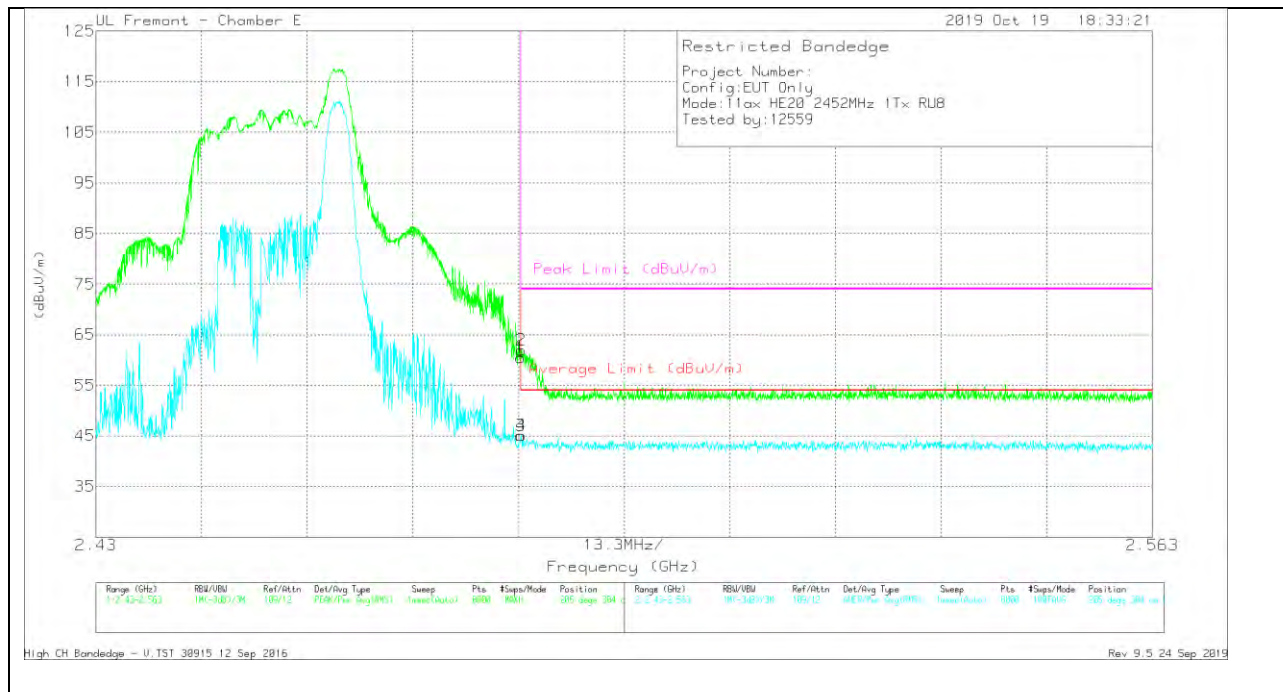
Pk - Peak detector

RMS - RMS detection

High CH Bandedge - H.TST 30915 12 Sep 2016

Rev 9.5 24 Sep 2019

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	45.72	Pk	32.8	-18	60.52	-	-	74	-13.48	205	384	V
2	* 2.48359	47.14	Pk	32.8	-18	61.94	-	-	74	-12.06	205	384	V
3	* 2.48351	30.29	RMS	32.8	-18	45.09	54	-8.91	-	-	205	384	V
4	* 2.48352	30.33	RMS	32.8	-18	45.13	54	-8.87	-	-	205	384	V

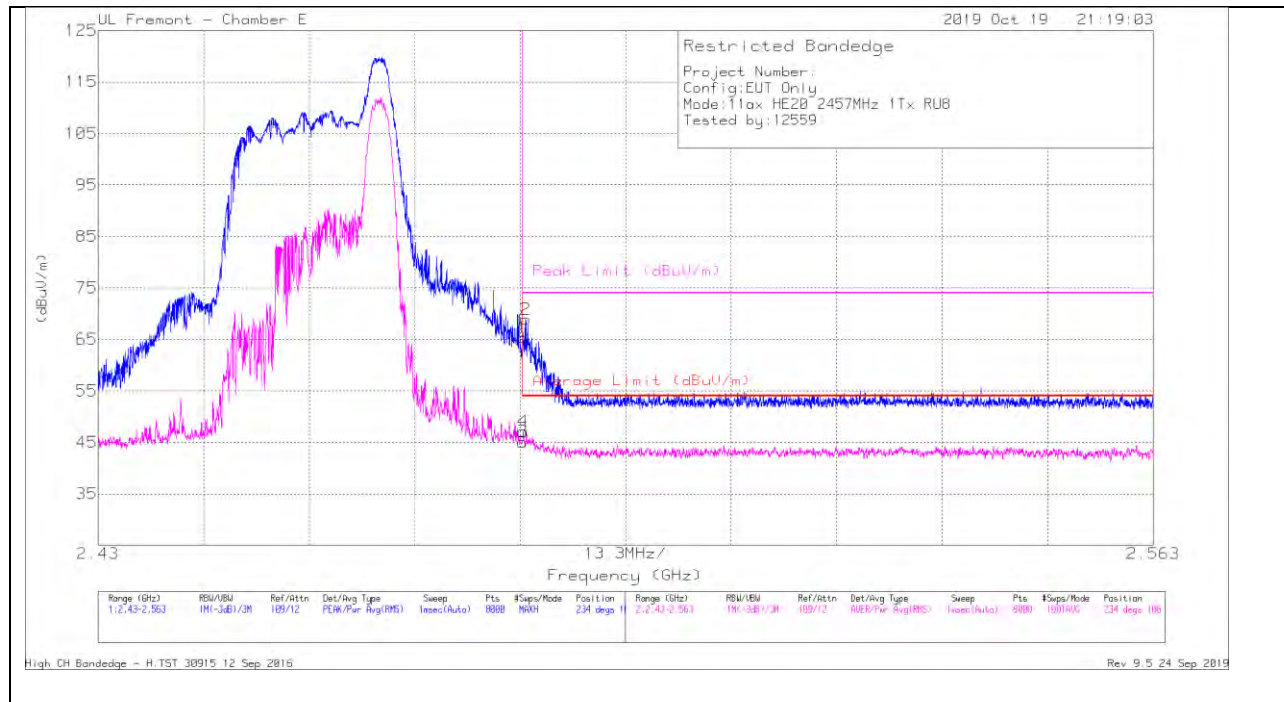
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

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BANDEDGE (HIGH CHANNEL, CH 10)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Ampl/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	50.54	Pk	32.8	-18	65.34	-	-	74	-8.66	234	106	H
3	* 2.48351	30.32	RMS	32.8	-18	45.12	54	-8.88	-	-	234	106	H
4	* 2.48359	32.35	RMS	32.8	-18	47.15	54	-6.85	-	-	234	106	H
2	* 2.4839	54.1	Pk	32.8	-18	68.9	-	-	74	-5.1	234	106	H

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

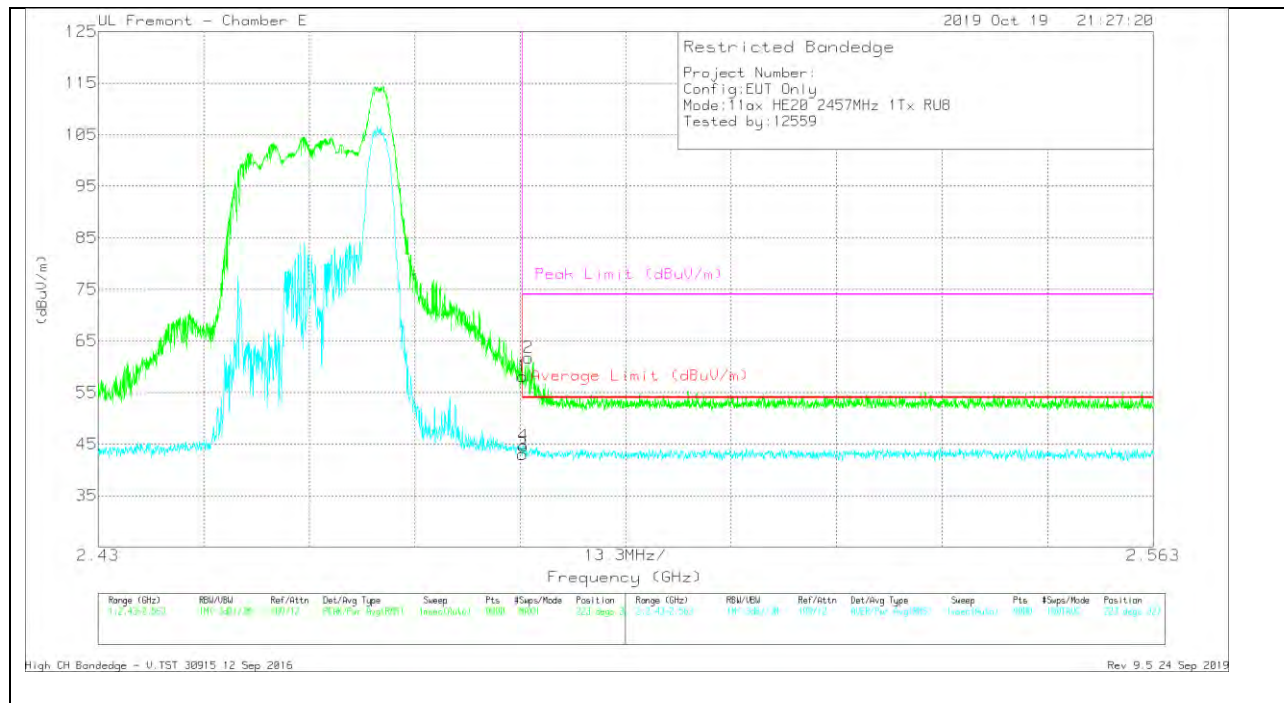
PK - Peak detector

RMS - RMS detection

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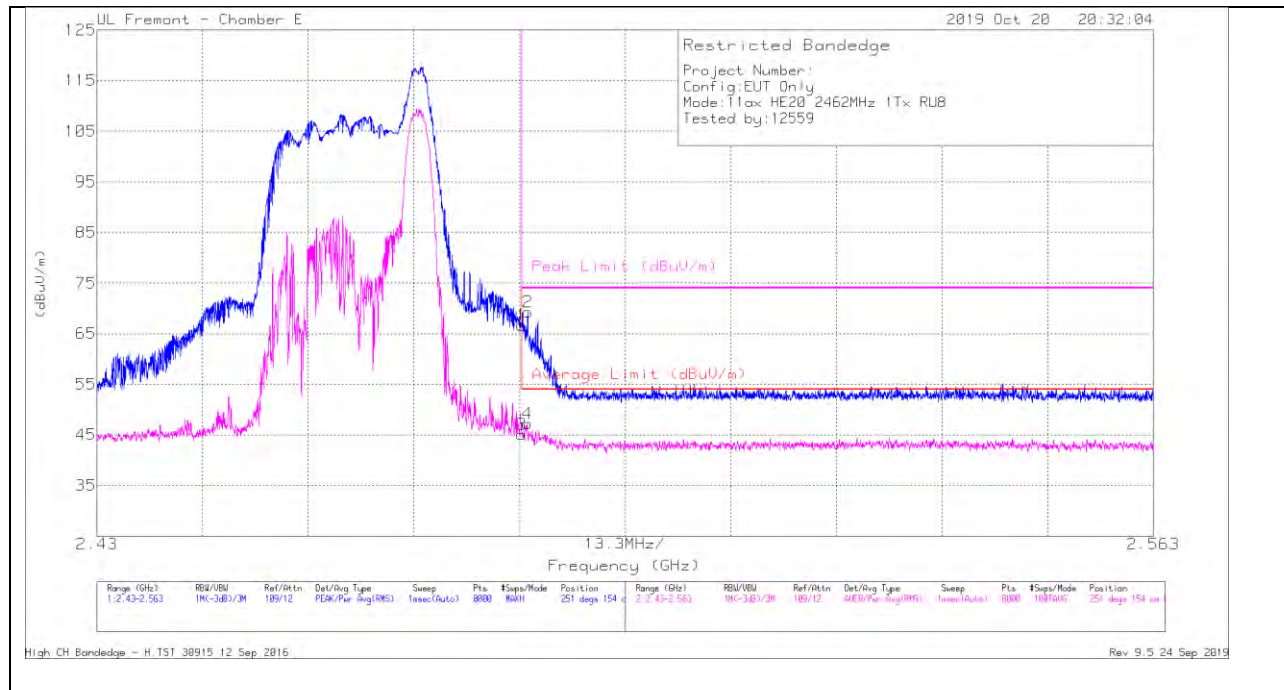
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	43.38	Pk	32.8	-18	58.18	-	-	74	-15.82	223	327	V
2	* 2.48427	46.96	Pk	32.8	-18	61.76	-	-	74	-12.24	223	327	V
3	* 2.48351	28.21	RMS	32.8	-18	43.01	54	-10.99	-	-	223	327	V
4	* 2.48361	29.85	RMS	32.8	-18	44.65	54	-9.35	-	-	223	327	V

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

High CH Bandedge - V.TST 30915 12 Sep 2016
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BANDEDGE (HIGH CHANNEL, CH 11)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	51.93	Pk	32.8	-18	66.73	-	-	74	-7.27	251	154	H
2	* 2.48425	54.53	Pk	32.8	-18	69.33	-	-	74	-4.67	251	154	H
3	* 2.48351	30.27	RMS	32.8	-18	45.07	54	-8.93	-	-	251	154	H
4	* 2.48417	32.41	RMS	32.8	-18	47.21	54	-6.79	-	-	251	154	H

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

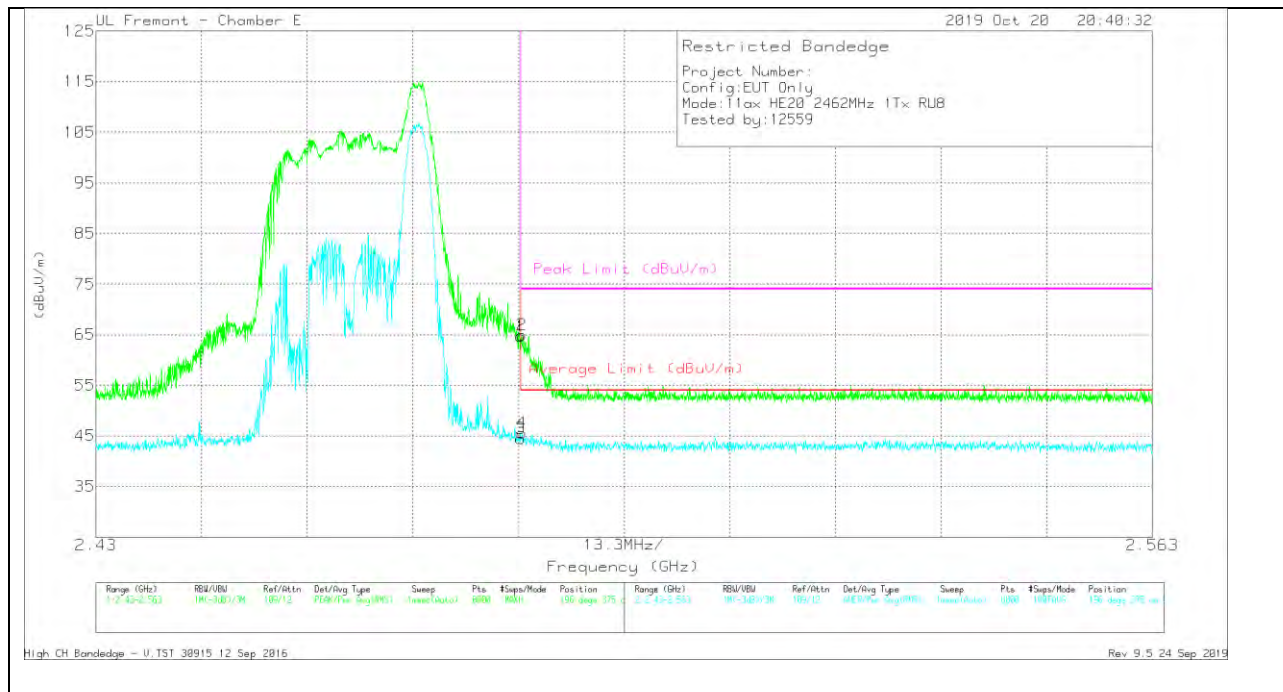
Pk - Peak detector

RMS - RMS detection

High CH Bandedge - H.TST 30915 12 Sep 2016

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VERTICAL RESULT



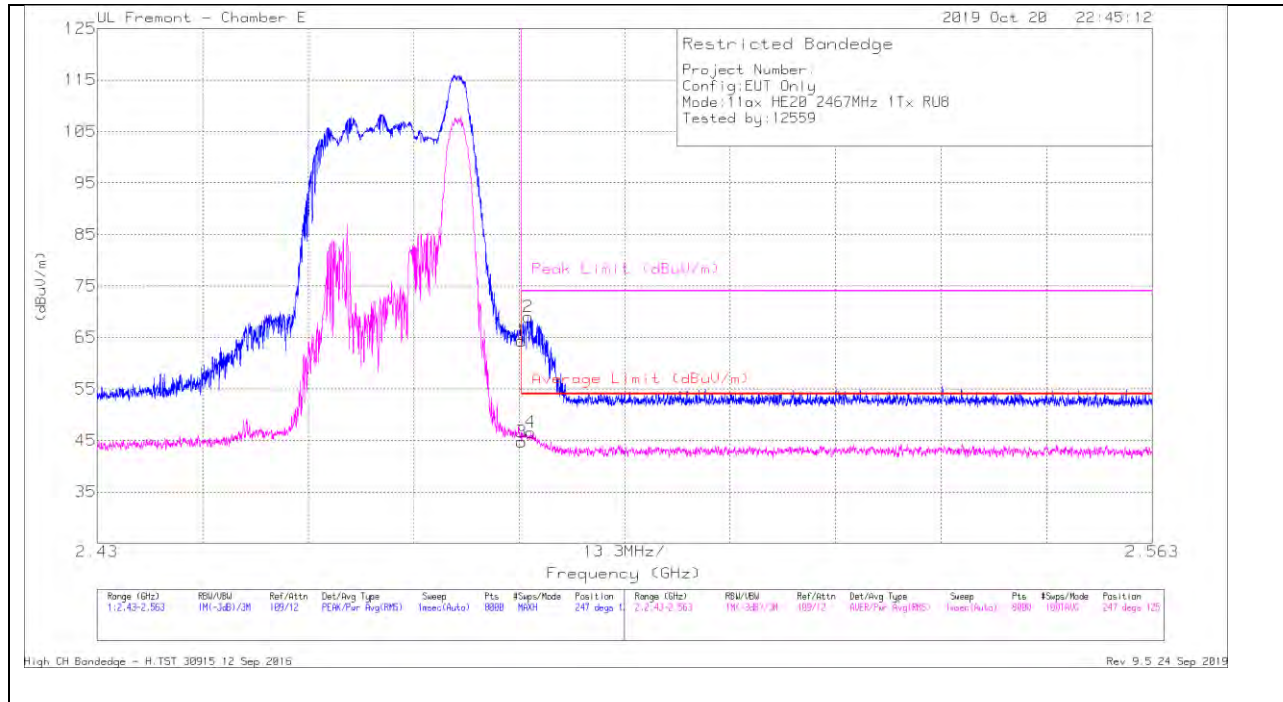
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	49.87	Pk	32.8	-18	64.67	-	-	74	-9.33	196	375	V
2	* 2.48362	50.15	Pk	32.8	-18	64.95	-	-	74	-9.05	196	375	V
3	* 2.48351	29.64	RMS	32.8	-18	44.44	54	-9.56	-	-	196	375	V
4	* 2.48364	30.73	RMS	32.8	-18	45.53	54	-8.47	-	-	196	375	V

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

High CH Bandedge - V.TST 30915 12 Sep 2016
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BANDEDGE (HIGH CHANNEL, CH 12)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	49.53	Pk	32.8	-18	64.33	-	-	74	-9.67	247	125	H
3	* 2.48351	29.92	RMS	32.8	-18	44.72	54	-9.28	-	-	247	125	H
2	* 2.48434	54.18	Pk	32.8	-18	68.98	-	-	74	-5.02	247	125	H
4	* 2.48464	31.79	RMS	32.8	-18	46.59	54	-7.41	-	-	247	125	H

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

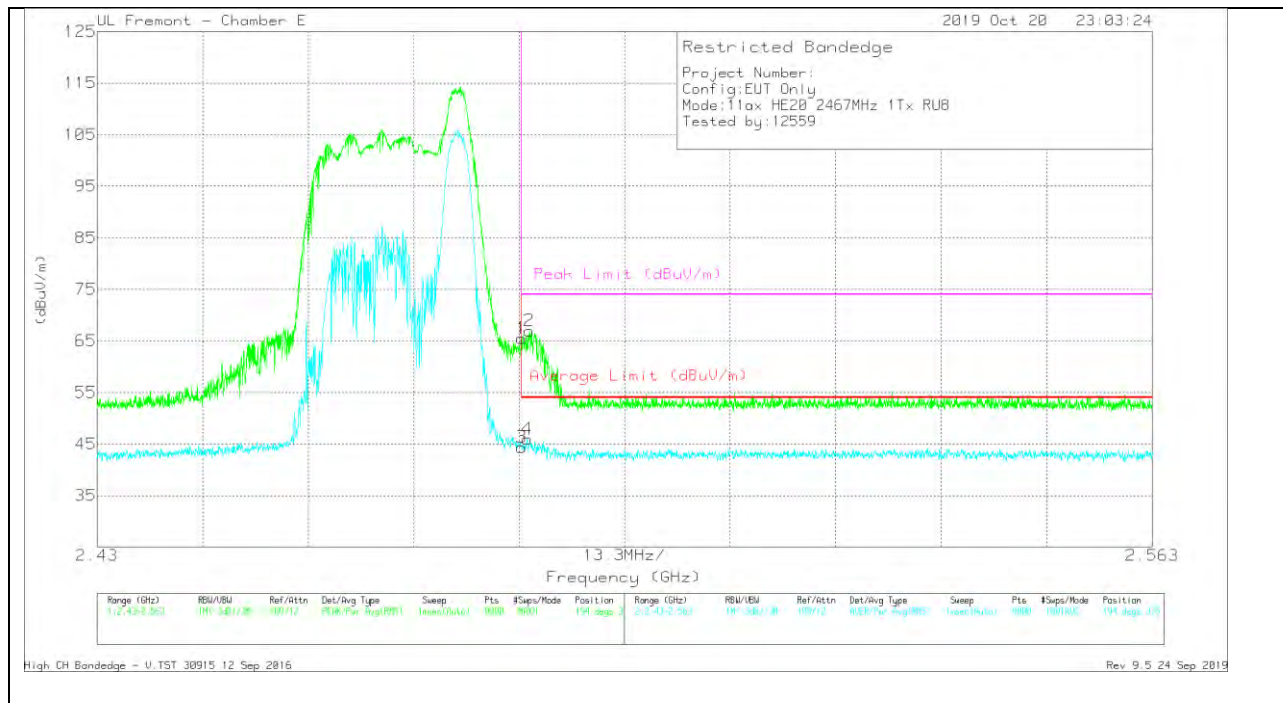
Pk - Peak detector

RMS - RMS detection

High CH Bandedge - H.TST 30915 12 Sep 2016

Rev 9.5 24 Sep 2019

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	50.72	Pk	32.8	-18	65.52	-	-	74	-8.48	194	375	V
2	* 2.48447	52.18	Pk	32.8	-18	66.98	-	-	74	-7.02	194	375	V
3	* 2.48351	29.58	RMS	32.8	-18	44.38	54	-9.62	-	-	194	375	V
4	* 2.48422	31.16	RMS	32.8	-18	45.96	54	-8.04	-	-	194	375	V

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

PK - Peak detector

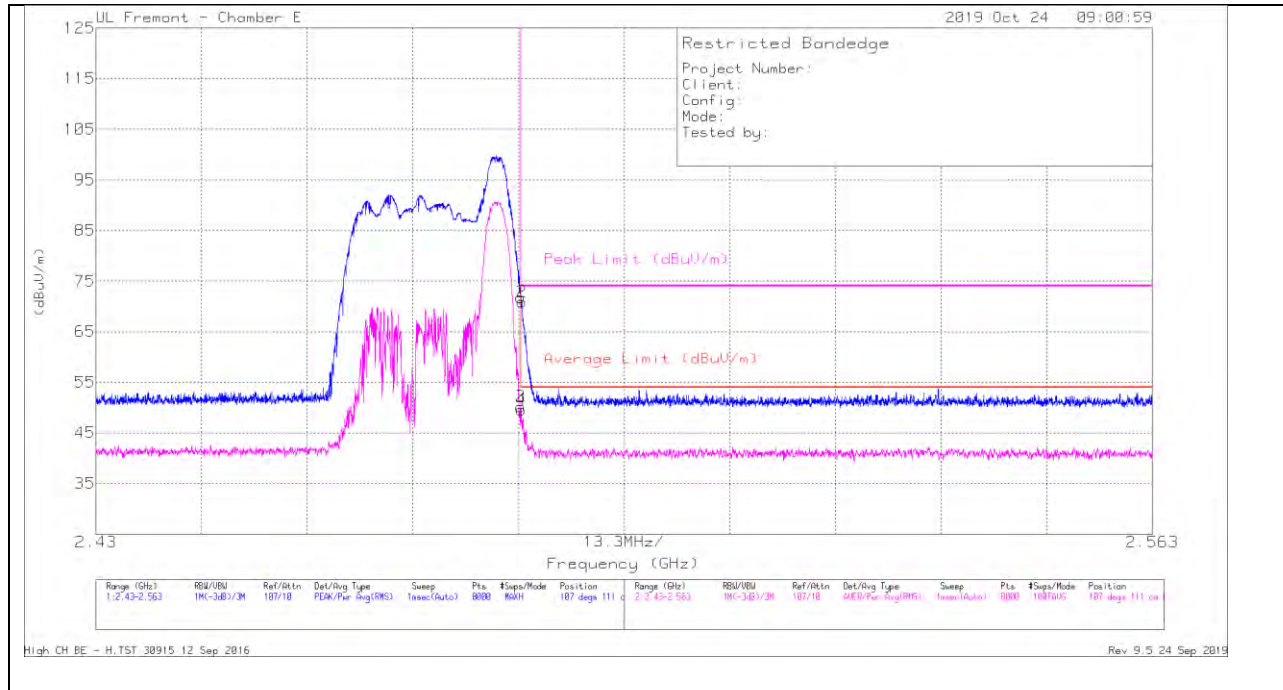
RMS - RMS detection

High CH Bandedge - V.TST 30915 12 Sep 2016

Rev 9.5 24 Sep 2019

BANEDGE (HIGH CHANNEL, CH 13)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	65.21	Pk	32.8	-26.2	71.81	-	-	74	-2.19	107	111	H
2	* 2.48362	64.27	Pk	32.8	-26.2	70.87	-	-	74	-3.13	107	111	H
3	* 2.48351	43.54	RMS	32.8	-26.2	50.14	54	-3.86	-	-	107	111	H
4	* 2.48354	42.94	RMS	32.8	-26.2	49.54	54	-4.46	-	-	107	111	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

UL Fremont - Chamber E

2019 Oct 22 09:14:02

Restricted Bandedge

Project Number:

Config: EUT Only

Mode: T1ax HE20 2472MHz 1Tx

Tested by: 10641

(dBuV/m)

Peak Limit (dBuV/m)

Average Limit (dBuV/m)

13.3MHz/

Frequency (GHz)

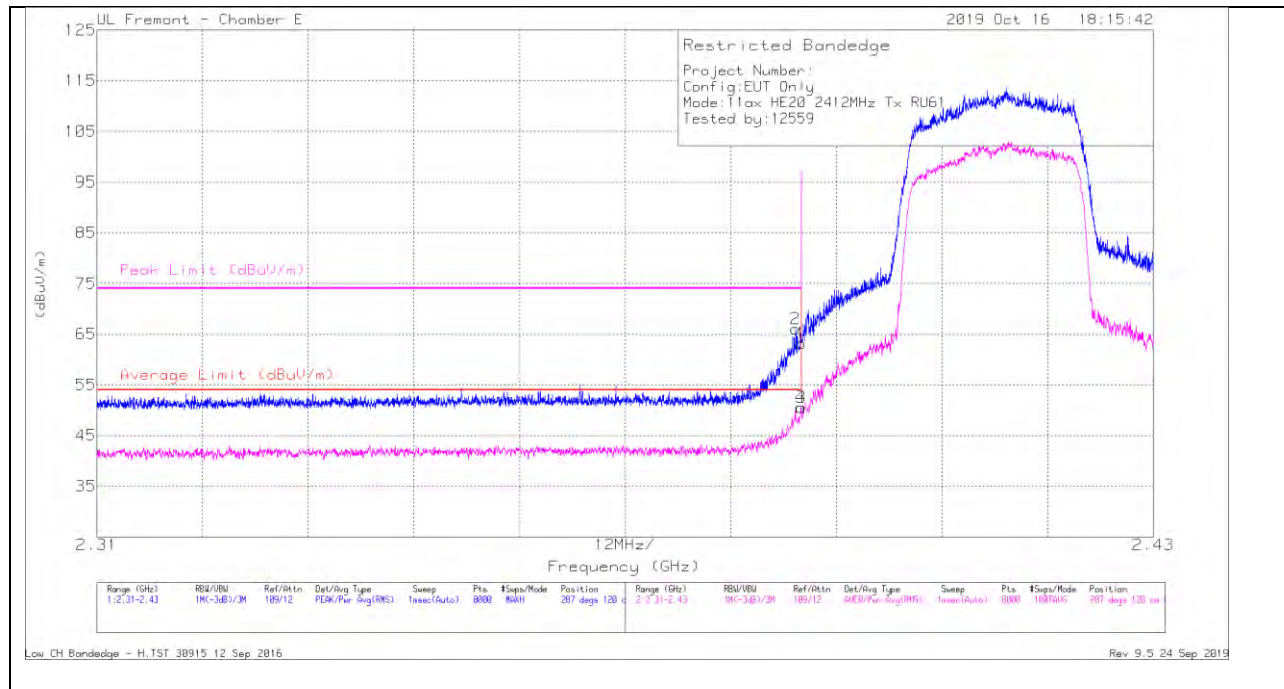
Range (GHz)	RBW/VBW	Ref/Alt In	Det/AvG Type	Sweep	Pls	#Seps/Mode	Position	Range (GHz)	RBW/VBW	Ref/Alt In	Det/AvG Type	Sweep	Pls	#Seps/Mode	Position
1.2-4.2-5.63	10K-300/3K	10/10	PK/PPwr dng(90%)	Forward/Reverse	1000	1001	1/2 dng 310	2.4-2.563	10K-300/3K	10/10	dB/E1/PPwr dng(90%)	Forward/Reverse	1000	1001	1/2 dng 310 on

High CH BE - U.TST 30915 12 Sep 2016

Rev 9.5 24 Sep 2019

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	58.96	Pk	32.8	-26.2	65.56	-	-	74	-8.44	182	310	V
2	* 2.48352	59.71	Pk	32.8	-26.2	66.31	-	-	74	-7.69	182	310	V
3	* 2.48351	37.83	RMS	32.8	-26.2	44.43	54	-9.57	-	-	182	310	V
4	* 2.48369	38.53	RMS	32.8	-26.2	45.13	54	-8.87	-	-	182	310	V

High CH BE - V.TST 30915 12 Sep 2016
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BANDEDGE (LOW CHANNEL, CH 1)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/CbI/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.38939	51.98	Pk	32.3	-18.2	66.08	-	-	74	-7.92	287	120	H
4	* 2.38998	36.45	RMS	32.3	-18.2	50.55	54	-3.45	-	-	287	120	H
1	* 2.38999	49.14	Pk	32.3	-18.2	63.24	-	-	74	-10.76	287	120	H
3	* 2.38999	36.44	RMS	32.3	-18.2	50.54	54	-3.46	-	-	287	120	H

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

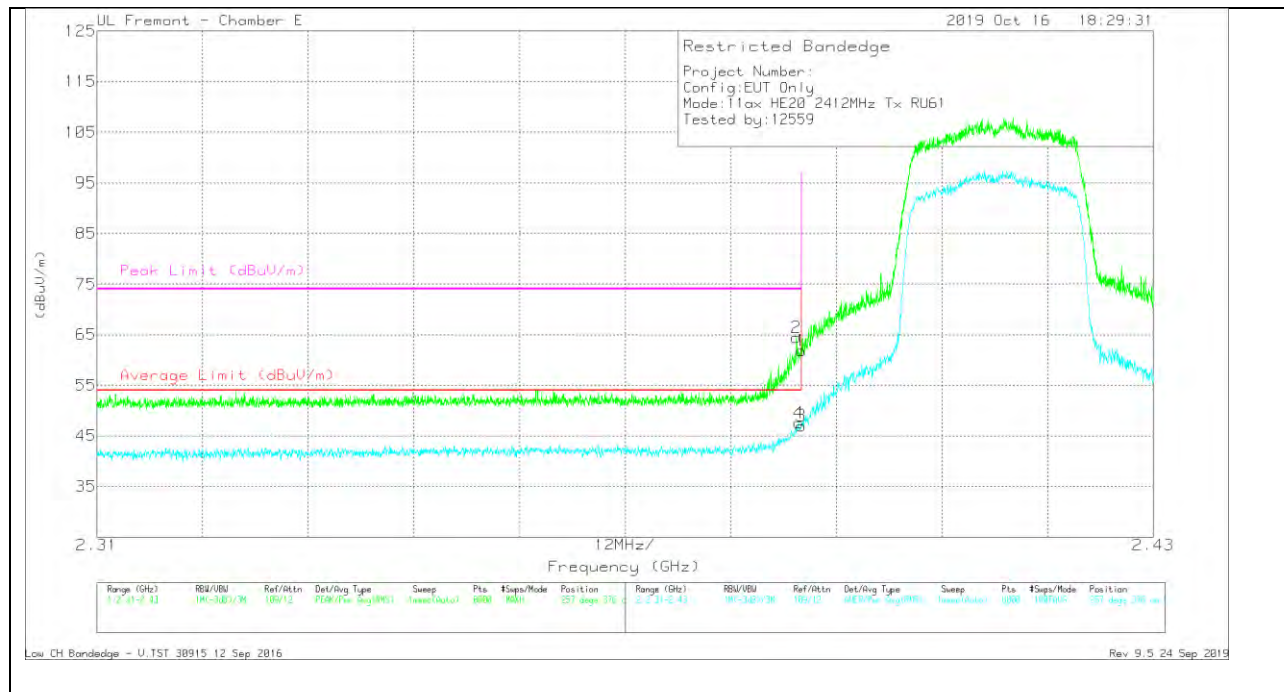
Pk - Peak detector

RMS - RMS detection

Low CH Bandedge - H.TST 30915 12 Sep 2016

Rev 9.5 24 Sep 2019

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.38947	50.3	Pk	32.3	-18.2	64.4	-	-	74	-9.6	257	376	V
4	* 2.38972	33.43	RMS	32.3	-18.2	47.53	54	-6.47	-	-	257	376	V
1	* 2.38999	47.77	PK	32.3	-18.2	61.87	-	-	74	-12.13	257	376	V
3	* 2.38999	32.9	RMS	32.3	-18.2	47	54	-7	-	-	257	376	V

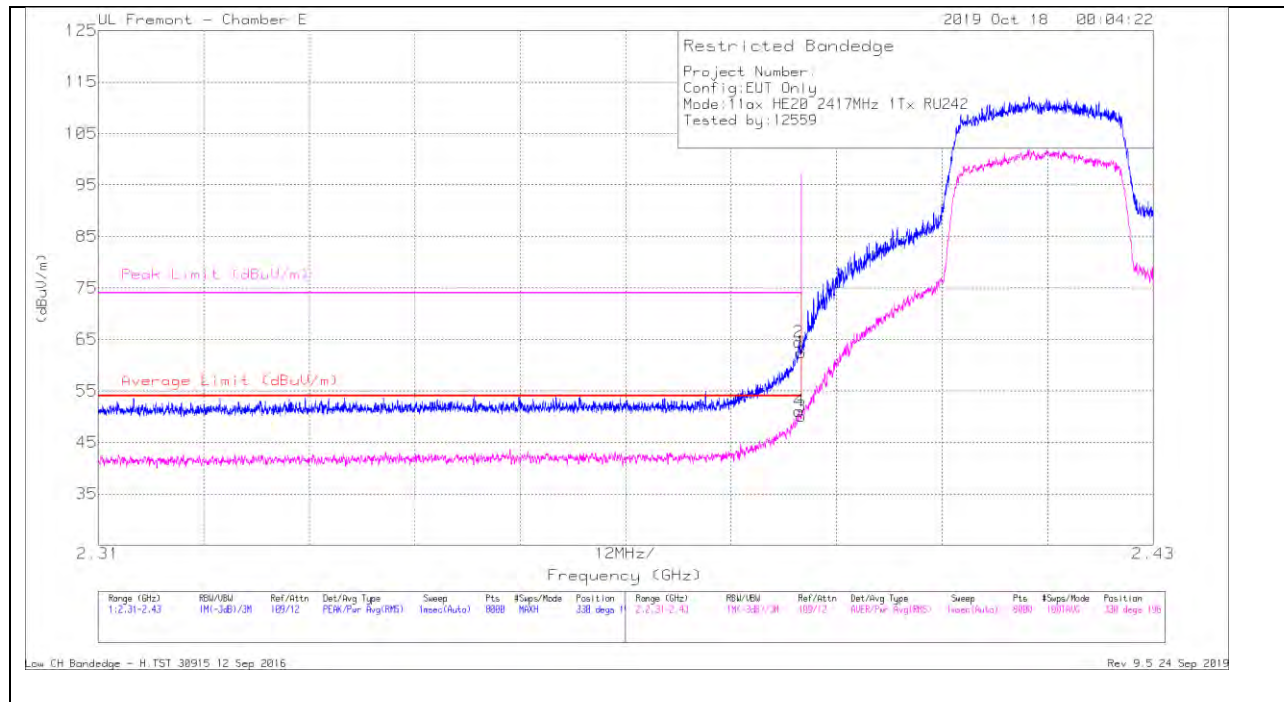
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

Low CH Bandedge - V.TST 30915 12 Sep 2016

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BANDEDGE (LOW CHANNEL, CH 2)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	48.38	Pk	32.3	-18.2	62.48	-	-	74	-11.52	330	196	H
2	* 2.38968	50.37	Pk	32.3	-18.2	64.47	-	-	74	-9.53	330	196	H
3	* 2.38999	35.96	RMS	32.3	-18.2	50.06	54	-3.94	-	-	330	196	H
4	* 2.38972	36.99	RMS	32.3	-18.2	51.09	54	-2.91	-	-	330	196	H

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

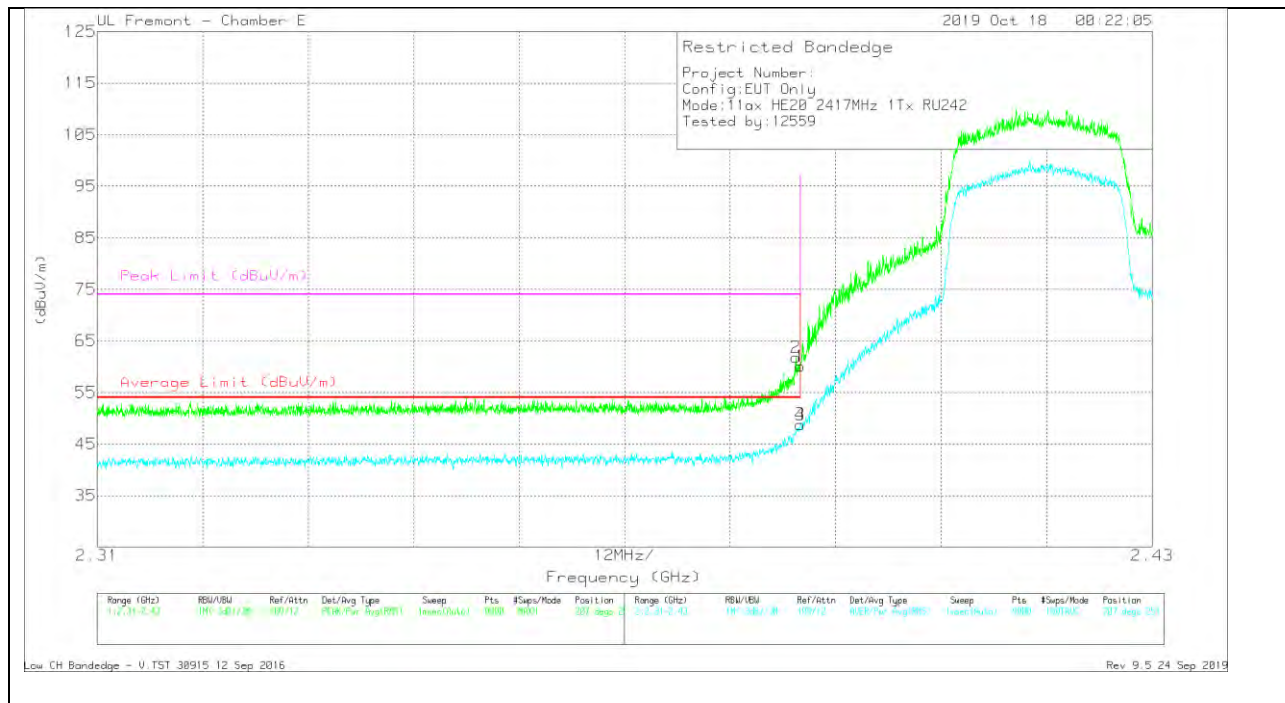
Pk - Peak detector

RMS - RMS detection

Low CH Bandedge - H.TST 30915 12 Sep 2016

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VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Dogs)	Height (cm)	Polarity
2	* 2.38948	47.69	Pk	32.3	-18.2	61.79	-	-	74	-12.21	207	251	V
4	* 2.38998	34.67	RMS	32.3	-18.2	48.77	54	-5.23	-	-	207	251	V
1	* 2.38999	46.01	Pk	32.3	-18.2	60.11	-	-	74	-13.89	207	251	V
3	* 2.38999	34.67	RMS	32.3	-18.2	48.77	54	-5.23	-	-	207	251	V

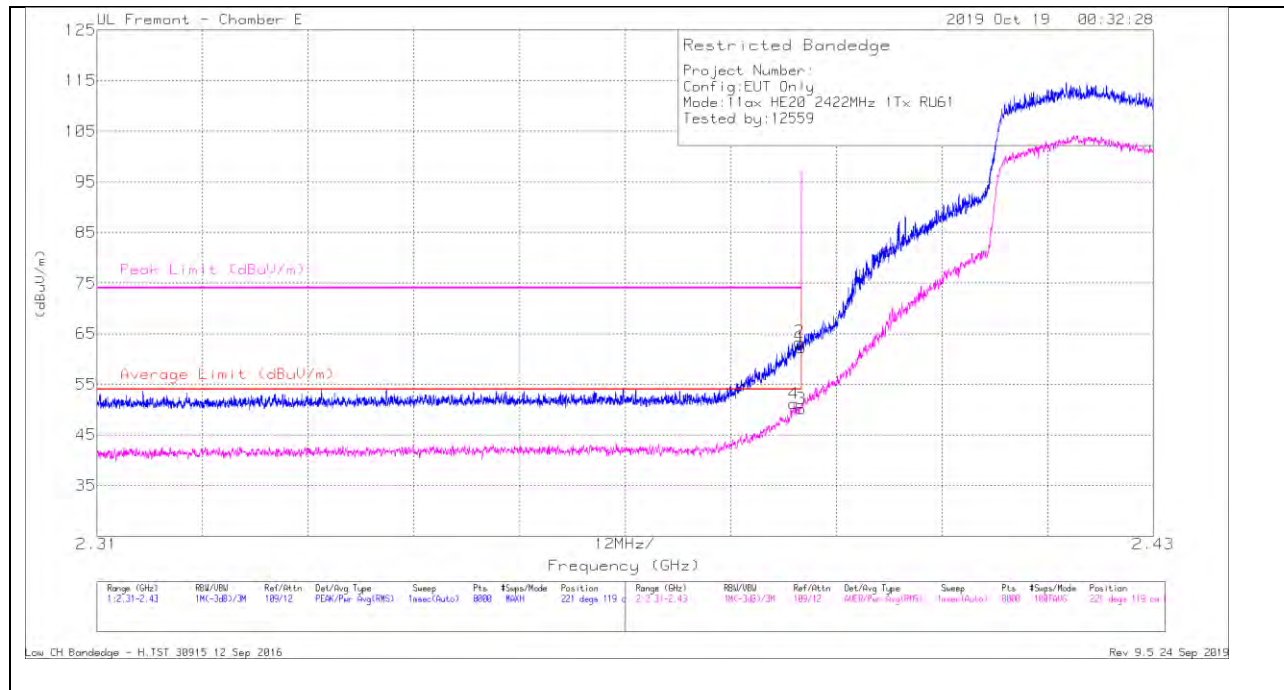
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

Low CH Bandedge - V.TST 30915 12 Sep 2016

Rev 9.5 24 Sep 2019

BANDEDGE (LOW CHANNEL, CH 3)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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)	Azimuth (Degs)	Height (cm)	Polarity
H													
1	2	* 2.38983	49.29	Pk	32.3	-18.2	63.39	-	-	74	-10.61	221	119
H	3	* 2.38999	36.04	RMS	32.3	-18.2	50.14	54	-3.86	-	-	221	119
H	4	* 2.38917	37.03	RMS	32.3	-18.2	51.13	54	-2.87	-	-	221	119

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

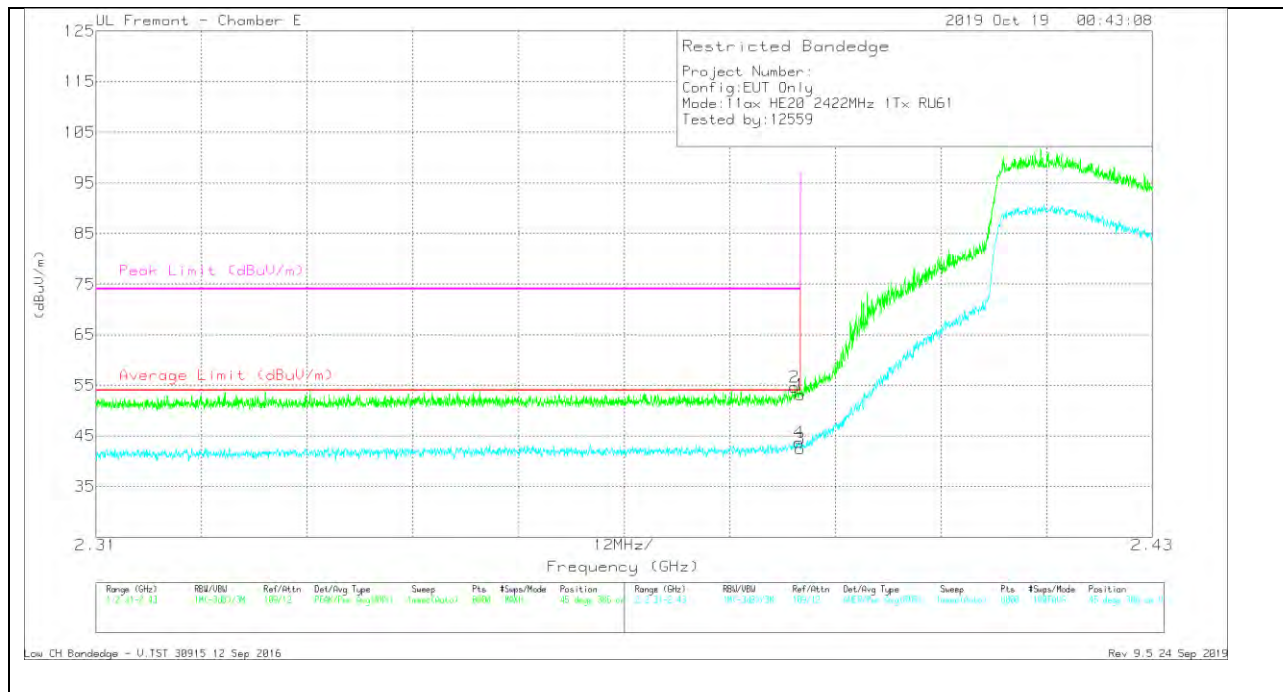
Pk - Peak detector

RMS - RMS detection

Low CH Bandedge - H.TST 30915 12 Sep 2016

Rev 9.5 24 Sep 2019

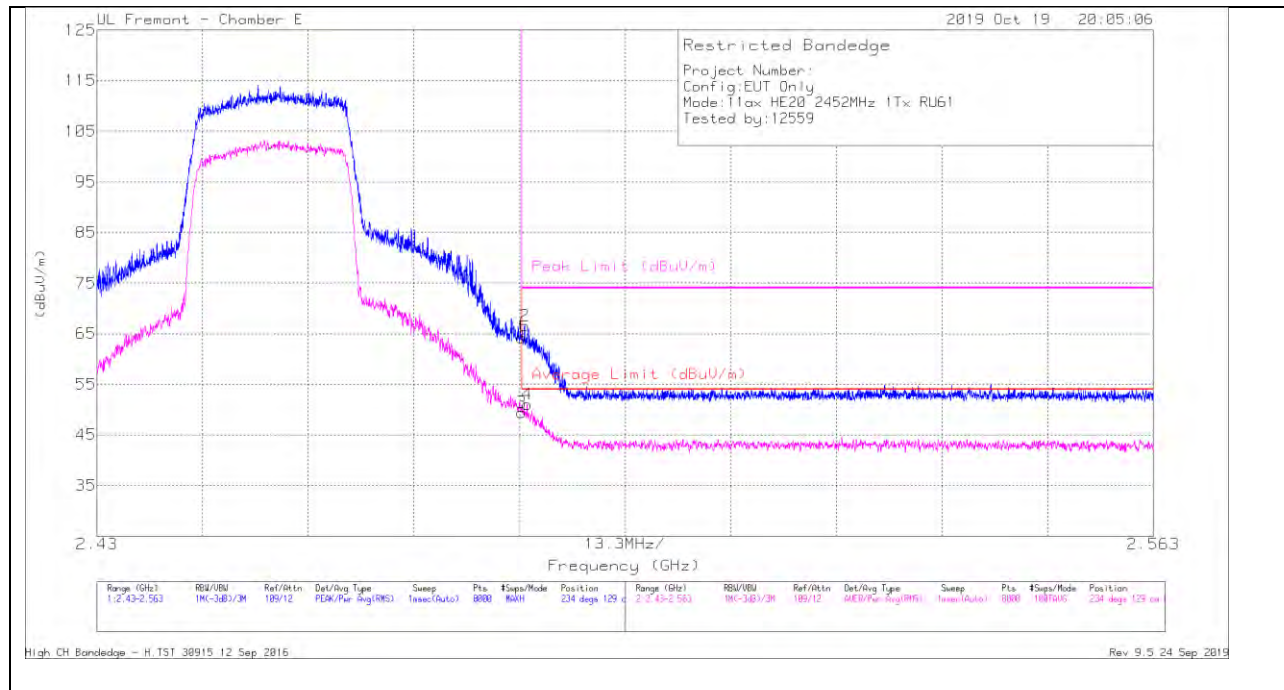
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	* 2.38939	40.54	Pk	32.3	-18.2	54.64	-	-	74	-19.36	45	386	V
4	* 2.38989	29.65	RMS	32.3	-18.2	43.75	54	-10.25	-	-	45	386	V
1	* 2.38999	39.05	Pk	32.3	-18.2	53.15	-	-	74	-20.85	45	386	V
3	* 2.38999	28.4	RMS	32.3	-18.2	42.5	54	-11.5	-	-	45	386	V

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

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

BANDEDGE (HIGH CHANNEL, CH 9)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	49.44	Pk	32.8	-18	64.24	-	-	74	-9.76	234	129	H
3	* 2.48351	34.6	RMS	32.8	-18	49.4	54	-4.6	-	-	234	129	H
2	* 2.48384	51.77	Pk	32.8	-18	66.57	-	-	74	-7.43	234	129	H
4	* 2.48415	36.26	RMS	32.8	-18	51.06	54	-2.94	-	-	234	129	H

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

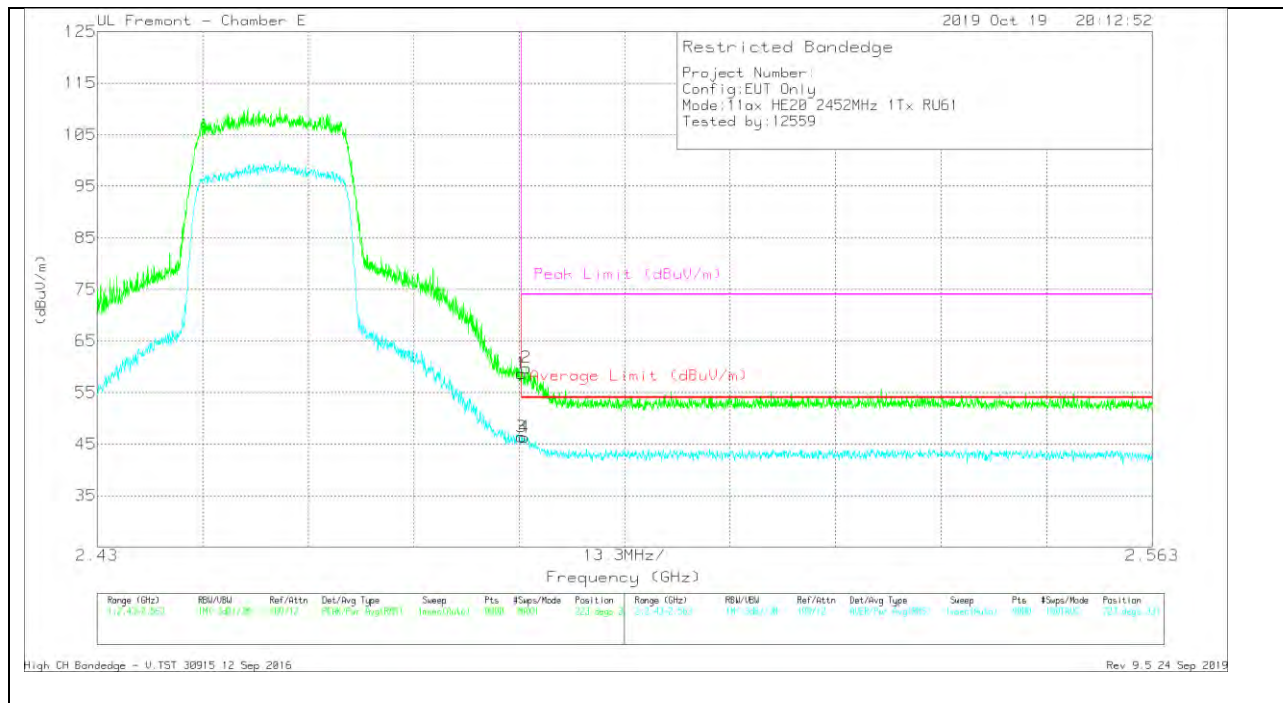
Pk - Peak detector

RMS - RMS detection

High CH Bandedge - H.TST 30915 12 Sep 2016

Rev 9.5 24 Sep 2019

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	43.88	Pk	32.8	-18	58.68	-	-	74	-15.32	223	331	V
2	* 2.4841	44.99	Pk	32.8	-18	59.79	-	-	74	-14.21	223	331	V
3	* 2.48351	31.61	RMS	32.8	-18	46.41	54	-7.59	-	-	223	331	V
4	* 2.48389	31.62	RMS	32.8	-18	46.32	54	-7.68	-	-	223	331	V

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

PK - Peak detector

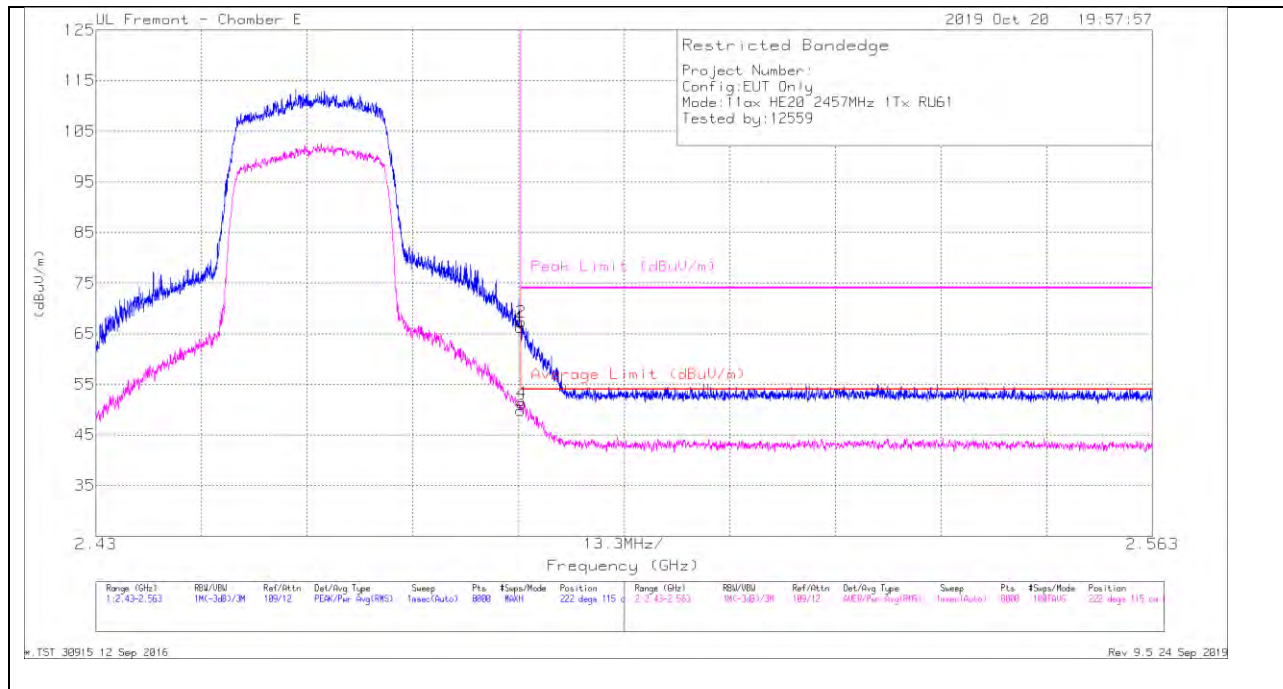
RMS - RMS detection

High CH Bandedge - V.TST 30915 12 Sep 2016

Rev 9.5 24 Sep 2019

BANEDGE (HIGH CHANNEL, CH 10)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	51.36	Pk	32.8	-18	66.16	-	-	74	-7.84	222	115	H
2	* 2.48354	52.49	Pk	32.8	-18	67.29	-	-	74	-6.71	222	115	H
3	* 2.48351	35.01	RMS	32.8	-18	49.81	54	-4.19	-	-	222	115	H
4	* 2.48364	36.48	RMS	32.8	-18	51.28	54	-2.72	-	-	222	115	H

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

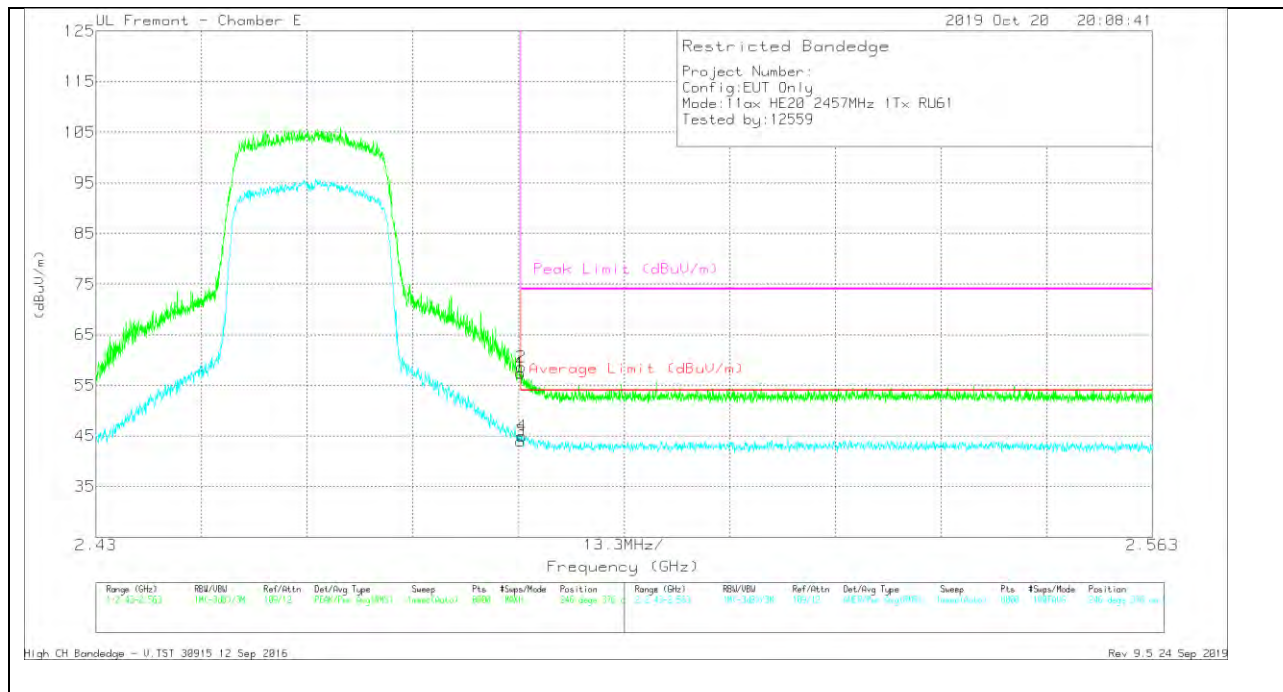
Pk - Peak detector

RMS - RMS detection

* TST 30915 12 Sep 2016

Rev 9.5 24 Sep 2019

VERTICAL RESULT



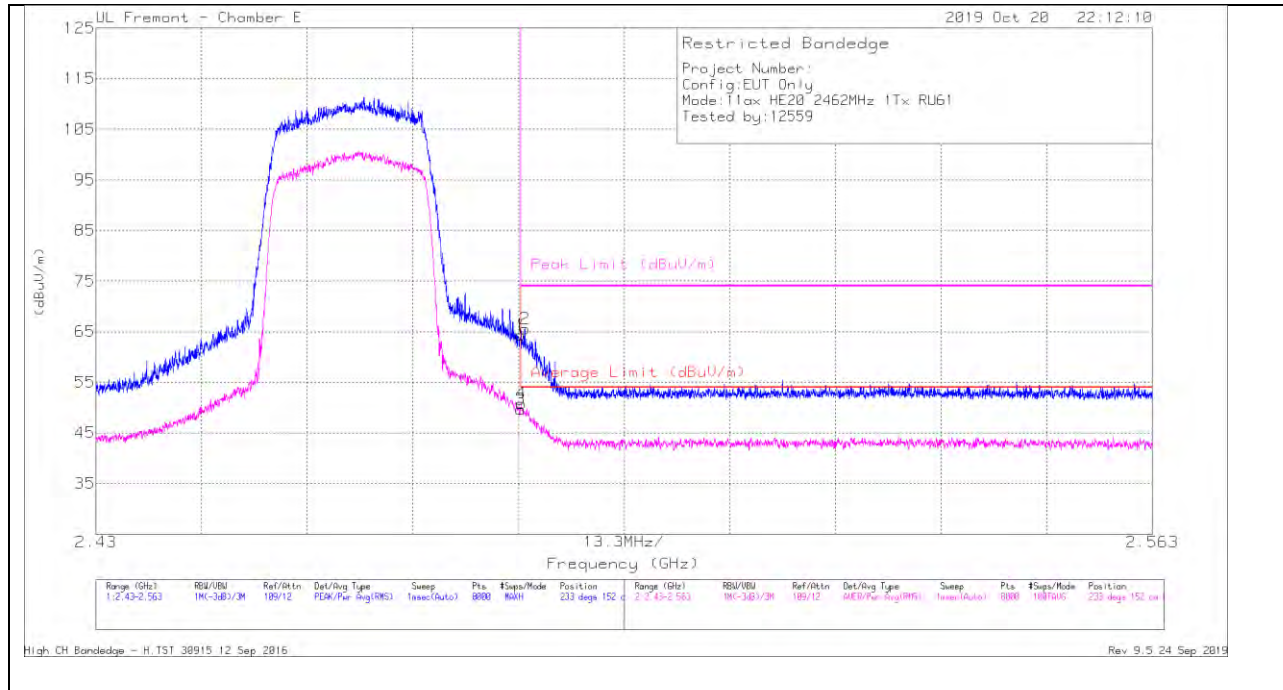
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/Filtr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	42.53	Pk	32.8	-18	57.33	-	-	74	-16.67	246	376	V
3	* 2.48351	29.12	RMS	32.8	-18	43.92	54	-10.08	-	-	246	376	V
2	* 2.48354	43.85	Pk	32.8	-18	58.65	-	-	74	-15.35	246	376	V
4	* 2.48361	30.17	RMS	32.8	-18	44.97	54	-9.03	-	-	246	376	V

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

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

BANDEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	49.52	PK	32.8	-18	64.32	-	-	74	-9.68	233	152	H
2	* 2.484	50.72	PK	32.8	-18	65.52	-	-	74	-8.48	233	152	H
3	* 2.48351	34.83	RMS	32.8	-18	49.63	54	-4.37	-	-	233	152	H
4	* 2.48357	35.99	RMS	32.8	-18	50.79	54	-3.21	-	-	233	152	H

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

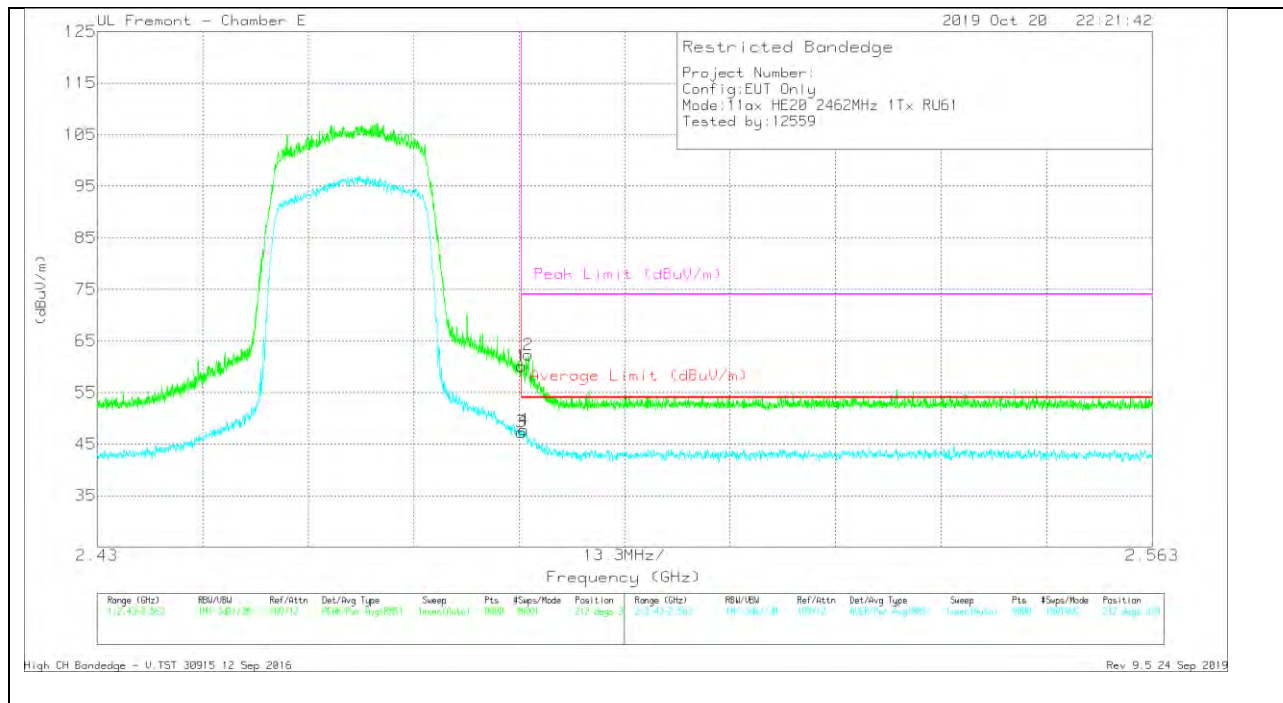
PK - Peak detector

RMS - RMS detection

High CH Bandedge - H.TST 30915 12 Sep 2016

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VERTICAL RESULT



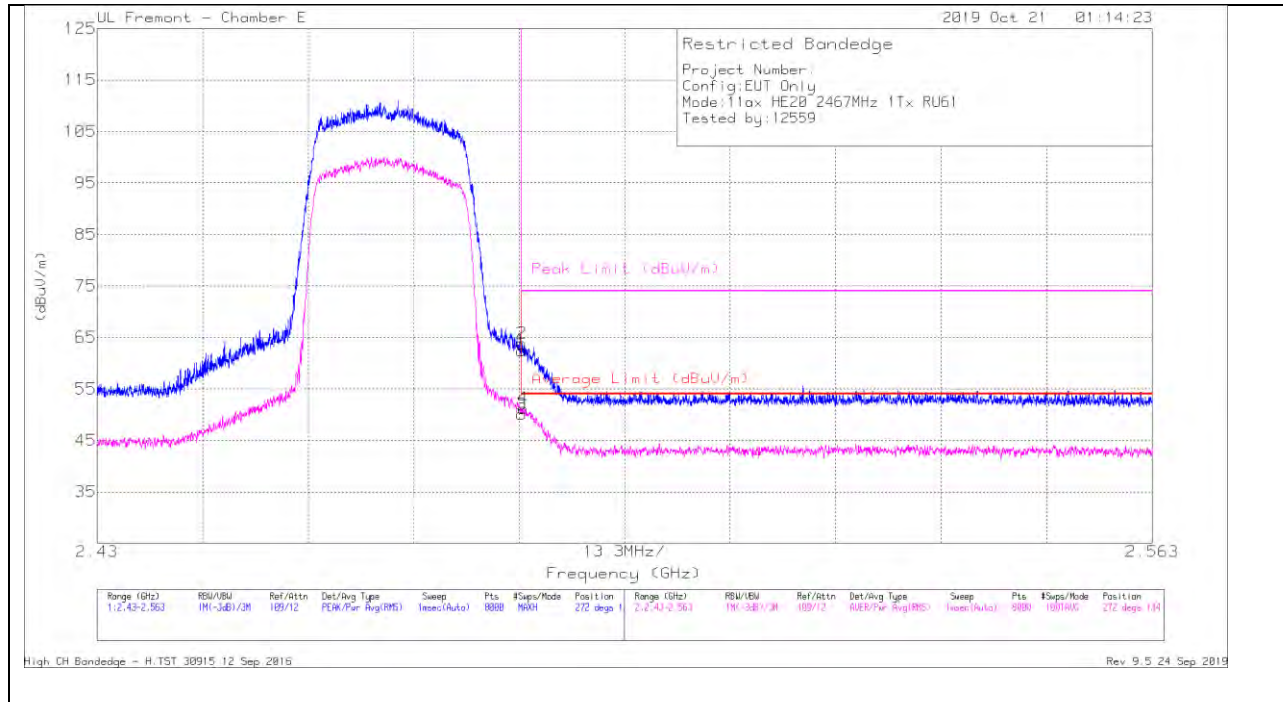
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	45.28	Pk	32.8	-18	60.08	-	-	74	-13.92	212	374	V
2	* 2.48437	47.48	Pk	32.8	-18	62.28	-	-	74	-11.72	212	374	V
3	* 2.48351	32.53	RMS	32.8	-18	47.33	54	-6.67	-	-	212	374	V
4	* 2.48377	32.96	RMS	32.8	-18	47.76	54	-6.24	-	-	212	374	V

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

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

BANDEDGE (HIGH CHANNEL, CH 12)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	47.63	PK	32.8	-18	62.43	-	-	74	-11.57	272	134	H
2	* 2.48354	49.04	PK	32.8	-18	63.84	-	-	74	-10.16	272	134	H
3	* 2.48351	35.26	RMS	32.8	-18	50.06	54	-3.94	-	-	272	134	H
4	* 2.48374	36.42	RMS	32.8	-18	51.22	54	-2.78	-	-	272	134	H

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

PK - Peak detector

RMS - RMS detection

High CH Bandedge - H.TST 30915 12 Sep 2016

Rev 9.5 24 Sep 2019

UL Fremont - Chamber E

2019 Oct 21 01:20:41

Restricted Bandedge

Project Number:
Config: EUT Only
Mode: 11ax HE20 2467MHz 1Tx RU61
Tested by: 12559

Peak Limit (dBuV/m)

Average Limit (dBuV/m)

13.3MHz/

Frequency (GHz)

Range (GHz)	RBW/VBW	Ref/Attn	Det/Avg Type	Sweep	Pts	#Sps/Mode	Position	Range (GHz)	RBW/VBW	Ref/Attn	Det/Avg Type	Sweep	Pts	#Sps/Mode	Position
1.7-4.3-3.263	100-300/10	100/12	PKA/Pwr Avg(200)	Linear(ChA)	1000	1000	207 steps	2.43-2.563	100-300/10	100/12	PKA/Pwr Avg(200)	Linear(ChA)	1000	1000	207 steps

High CH Bandedge - U.TST 30915 12 Sep 2016

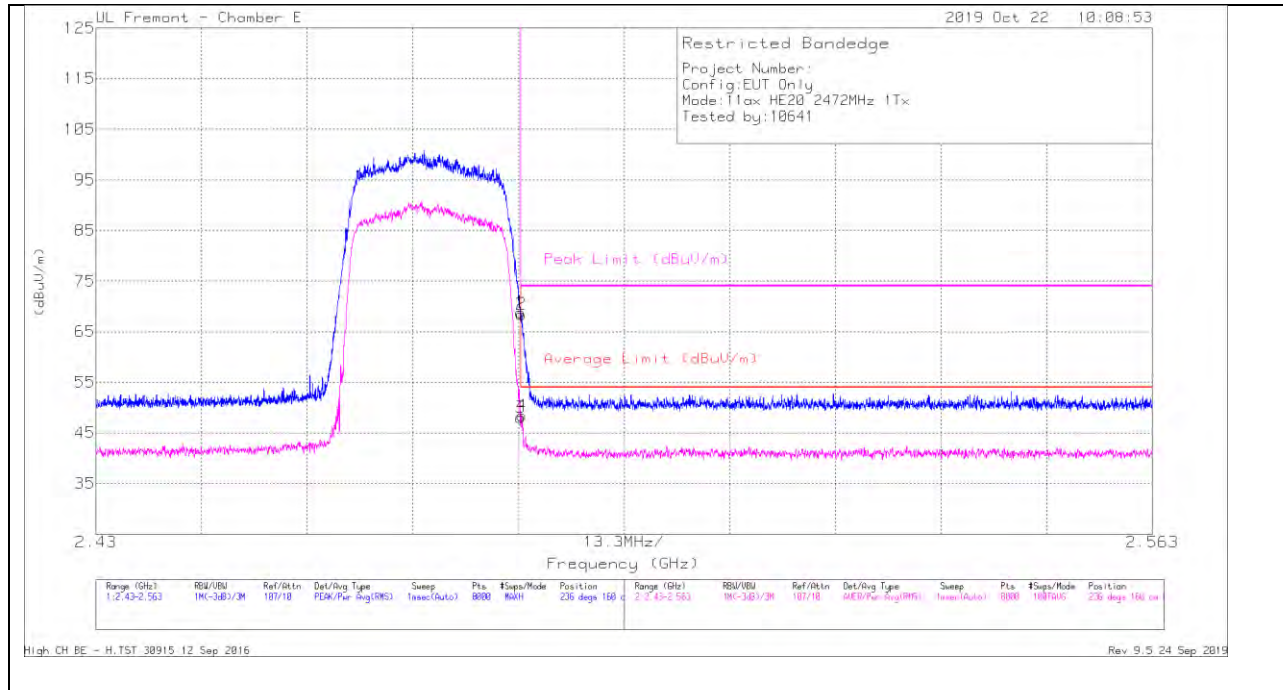
Rev 9.5 24 Sep 2019

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	47.44	Pk	32.8	-18	62.24	-	-	74	-11.76	207	330	V
2	* 2.48377	47.99	Pk	32.8	-18	62.79	-	-	74	-11.21	207	330	V
3	* 2.48351	35.08	RMS	32.8	-18	49.88	54	-4.12	-	-	207	330	V
4	* 2.48366	35.61	RMS	32.8	-18	50.41	54	-3.59	-	-	207	330	V

High CH Bandedge - V.TST 30915 12 Sep 2016
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BANDEDGE (HIGH CHANNEL, CH 13)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	62.14	Pk	32.8	-26.2	68.74	-	-	74	-5.26	236	160	H
2	* 2.48359	61.88	Pk	32.8	-26.2	68.48	-	-	74	-5.52	236	160	H
3	* 2.48351	41.4	RMS	32.8	-26.2	48	54	-6	-	-	236	160	H
4	* 2.48361	41.85	RMS	32.8	-26.2	48.45	54	-5.55	-	-	236	160	H

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

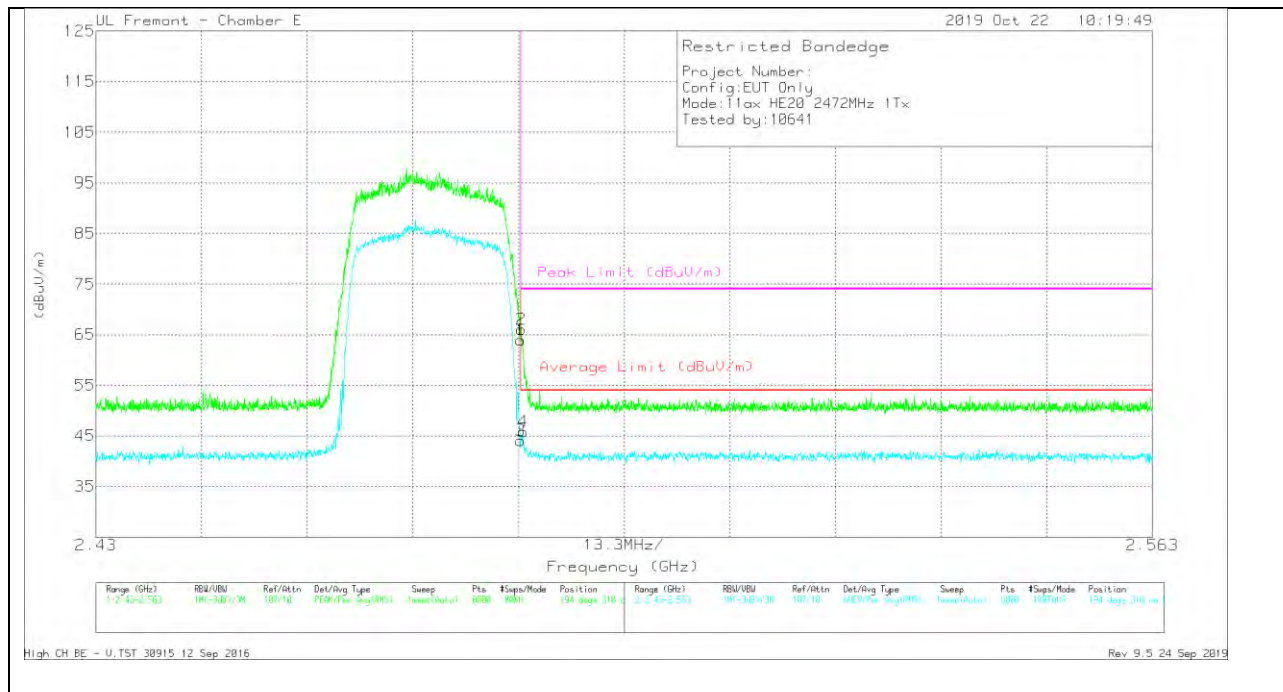
Pk - Peak detector

RMS - RMS detection

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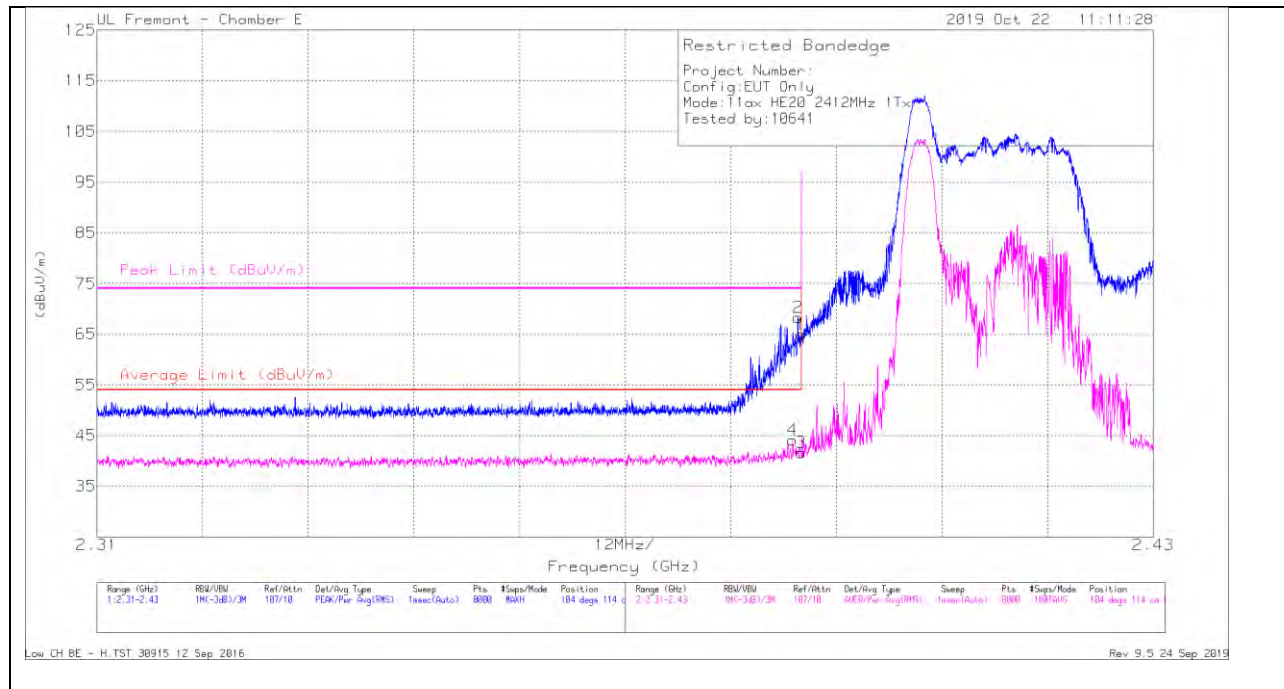
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	57.38	Pk	32.8	-26.2	63.98	-	-	74	-10.02	194	310	V
2	* 2.48356	59.43	Pk	32.8	-26.2	66.03	-	-	74	-7.97	194	310	V
3	* 2.48351	37.44	RMS	32.8	-26.2	44.04	54	-9.96	-	-	194	310	V
4	* 2.48379	39.22	RMS	32.8	-26.2	45.82	54	-8.18	-	-	194	310	V

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

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BANDEDGE (LOW CHANNEL, CH 1)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBV)	Det	AF T119 (dB/m)	Ampl/Cb1/Filtr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	58.83	Pk	32.3	-26.2	64.93	-	-	74	-9.07	104	114	H
2	* 2.38963	62.21	Pk	32.3	-26.2	68.31	-	-	74	-5.69	104	114	H
3	* 2.38999	35.55	RMS	32.3	-26.2	41.65	54	-12.35	-	-	104	114	H
4	* 2.38903	38	RMS	32.3	-26.2	44.1	54	-9.9	-	-	104	114	H

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

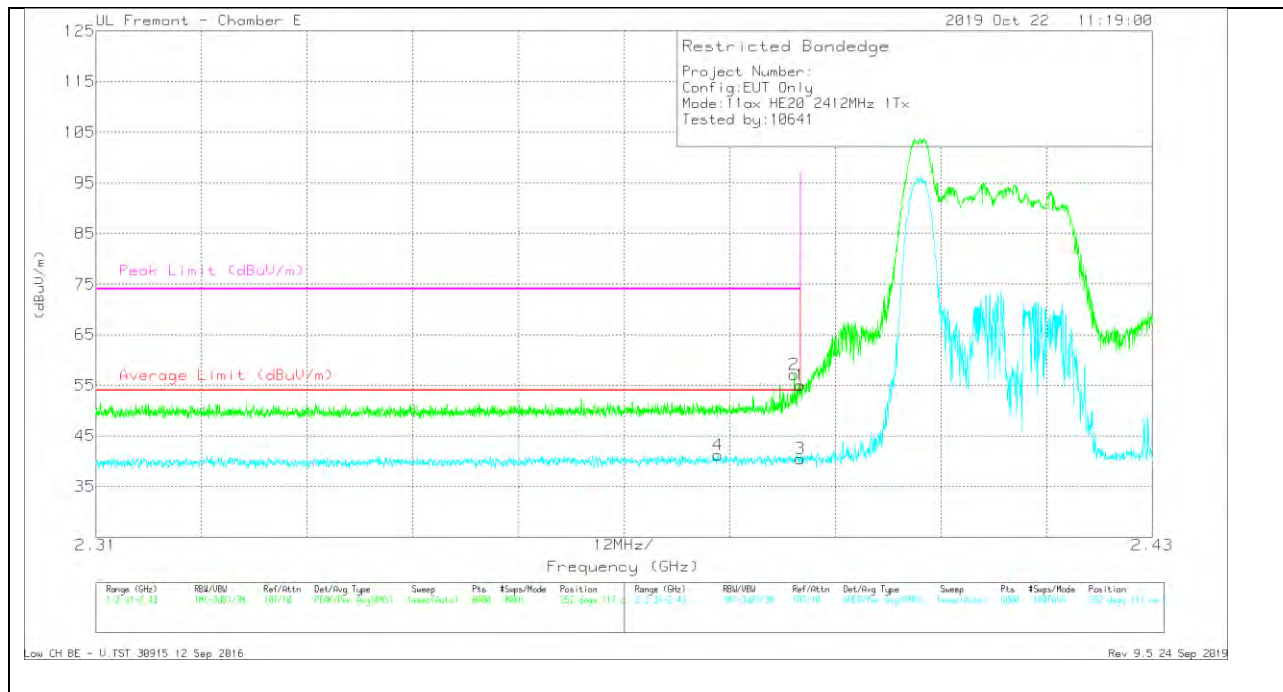
Pk - Peak detector

RMS - RMS detection

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VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/Filt/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	48.96	Pk	32.3	-26.2	55.06	-	-	74	-18.94	252	117	V
2	* 2.38933	50.98	Pk	32.3	-26.2	57.08	-	-	74	-16.92	252	117	V
3	* 2.38999	34.38	RMS	32.3	-26.2	40.48	54	-13.52	-	-	252	117	V
4	* 2.38064	35.11	RMS	32.3	-26.2	41.21	54	-12.79	-	-	252	117	V

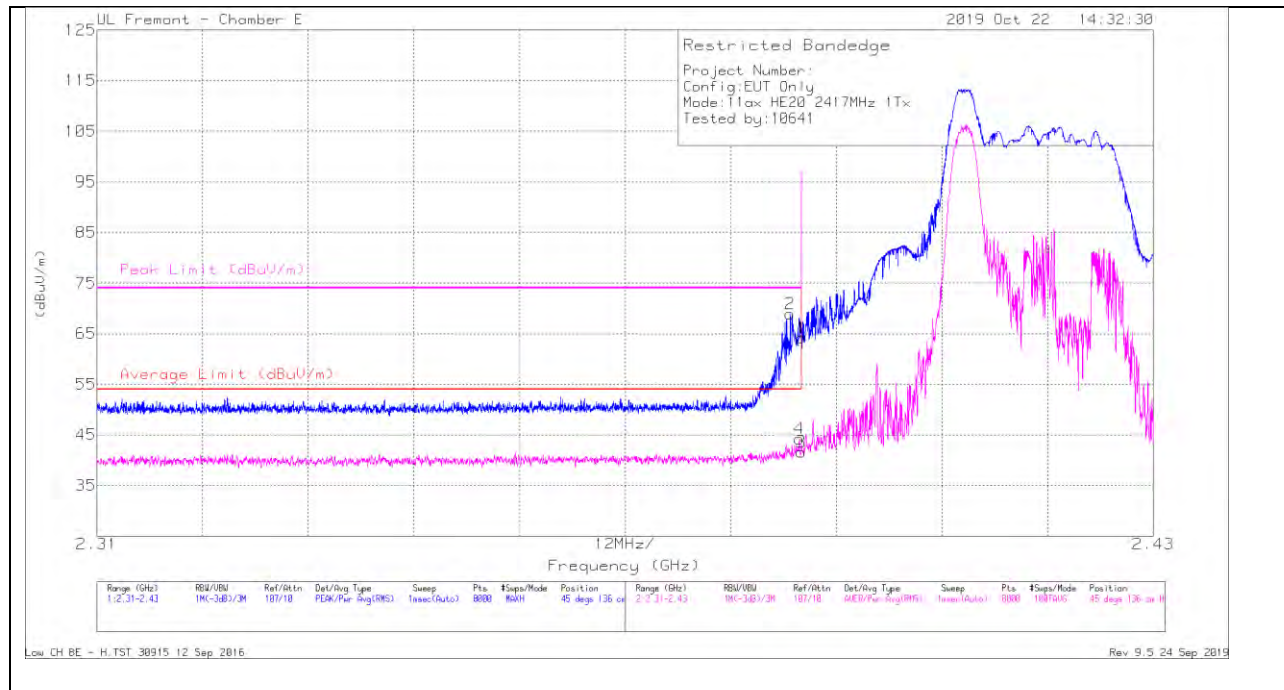
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

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BANDEDGE (LOW CHANNEL, CH 2)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/Filt/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	58.14	Pk	32.3	-26.2	64.24	-	-	74	-9.76	45	136	H
2	* 2.38876	62.87	Pk	32.3	-26.2	68.97	-	-	74	-5.03	45	136	H
3	* 2.38999	35.49	RMS	32.3	-26.2	41.59	54	-12.41	-	-	45	136	H
4	* 2.3898	38.12	RMS	32.3	-26.2	44.22	54	-9.78	-	-	45	136	H

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

Pk - Peak detector

RMS - RMS detection

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UL Fremont - Chamber E

2019 Oct 22 15:17:56

Restricted Bandedge

Project Number:

Config: EUT Only

Mode: T1ax HE20 2417MHz 1Tx

Tested by: 10641

(dBuV/m)

Peak Limit (dBuV/m)

Average Limit (dBuV/m)

2

4

12MHz/

Frequency (GHz)

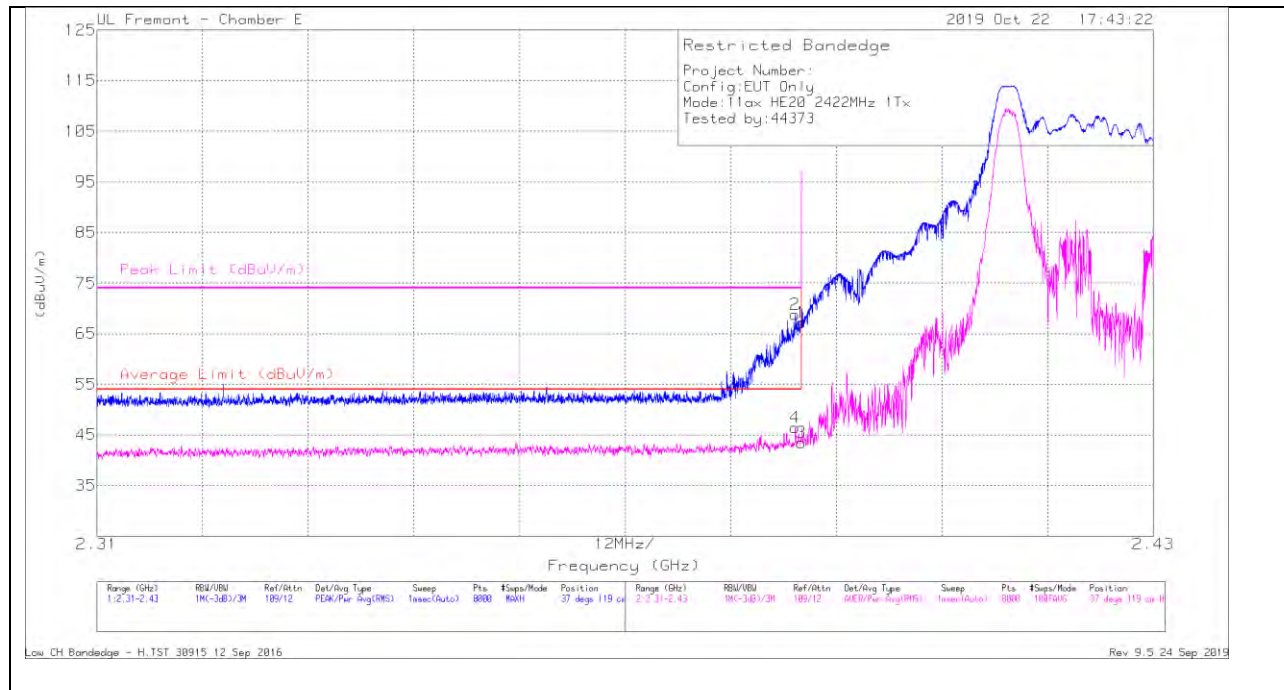
Range (GHz)	RBW/VBW	Ref/Alt	Det/AvG Type	Sweep	Pts	#Seps/Mode	Position	Range (GHz)	RBW/VBW	Ref/Alt	Det/AvG Type	Sweep	Pts	#Seps/Mode	Position
2.31-2.43	100-300/30	10/10	PK/Pwr Avg (dB)	Linear/Video	8000	8001	75 deg 325 on	2.31-2.43	100-300/30	10/10	PK/Pwr Avg (dB)	Linear/Video	8000	8001	75 deg 325 on

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Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Ctrl/Fitr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	50.65	Pk	32.3	-26.2	56.75	-	-	74	-17.25	79	325	V
2	* 2.38891	58.27	Pk	32.3	-26.2	64.37	-	-	74	-9.63	79	325	V
3	* 2.38999	35.24	RMS	32.3	-26.2	41.34	54	-12.66	-	-	79	325	V
4	* 2.38956	37.17	RMS	32.3	-26.2	43.27	54	-10.73	-	-	79	325	V

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BANDEDGE (LOW CHANNEL, CH 3)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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
2	* 2.38932	54.71	Pk	32.3	-18.2	66.81	-	-	74	-5.19	37	119	H
4	* 2.38933	32.35	RMS	32.3	-18.2	46.45	54	-7.55	-	-	37	119	H
1	* 2.38999	53.1	Pk	32.3	-18.2	67.2	-	-	74	-6.8	37	119	H
3	* 2.38999	29.41	RMS	32.3	-18.2	43.51	54	-10.49	-	-	37	119	H

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

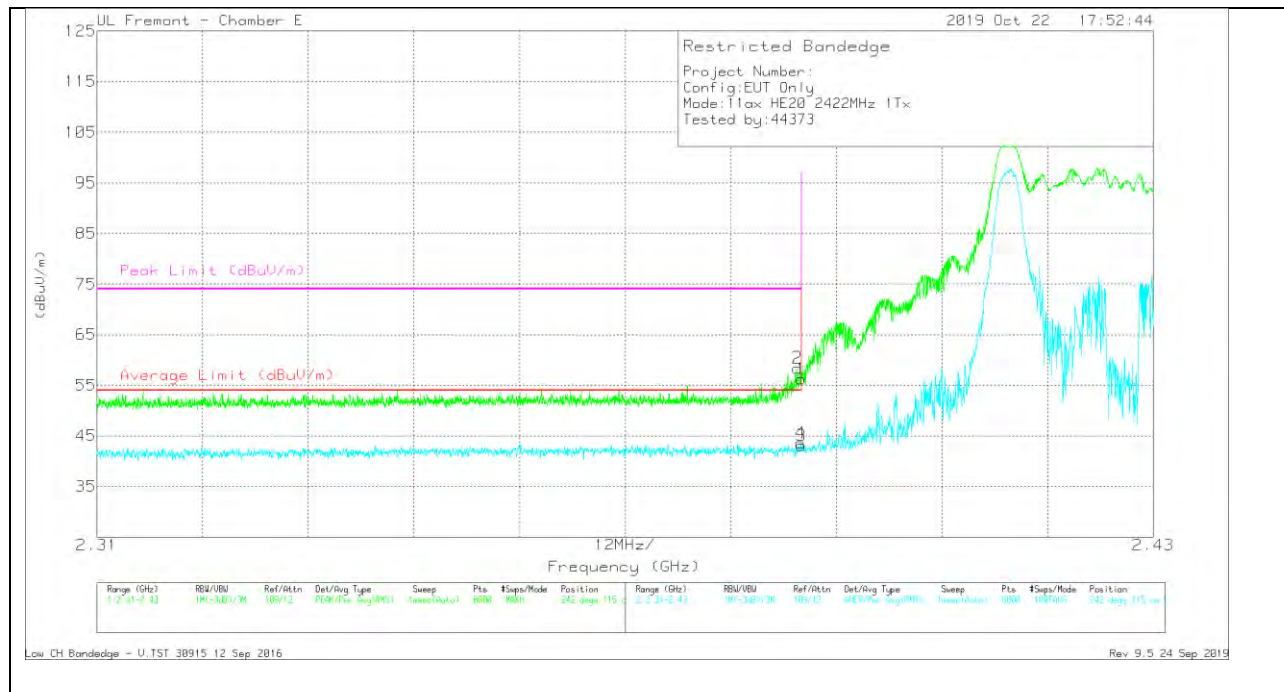
Pk - Peak detector

RMS - RMS detection

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VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	42.12	Pk	32.3	-18.2	56.22	-	-	74	-17.78	242	115	V
2	* 2.38957	44.32	Pk	32.3	-18.2	58.42	-	-	74	-15.58	242	115	V
3	* 2.38999	29.04	RMS	32.3	-18.2	43.14	54	-10.86	-	-	242	115	V
4	* 2.38998	29.46	RMS	32.3	-18.2	43.56	54	-10.44	-	-	242	115	V

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

Pk - Peak detector

RMS - RMS detection

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