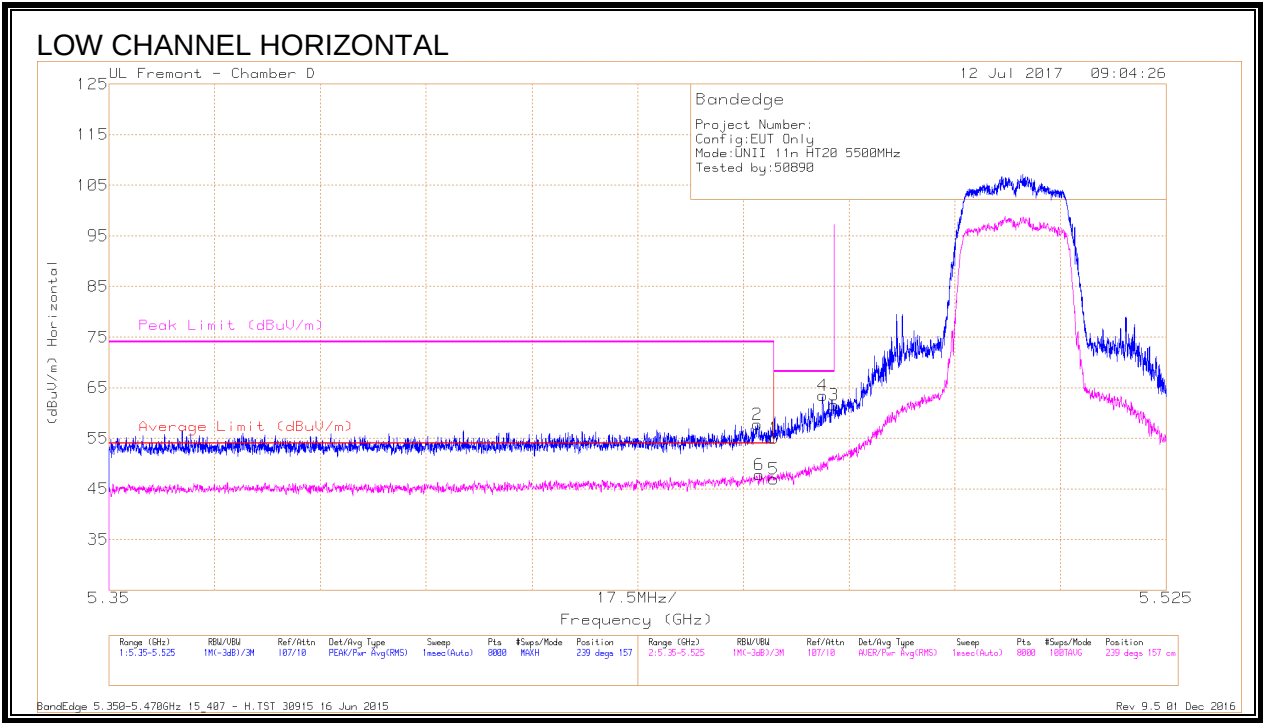


9.1.19. 11n HT20 UAT 2 SISO MODE IN THE 5.6GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (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	* 5.46	38.56	Pk	34.4	-17.9	55.06	-	-	74	-18.94	239	157	H
2	* 5.457	41.34	Pk	34.4	-18	57.74	-	-	74	-16.26	239	157	H
5	* 5.46	30.42	RMS	34.4	-17.9	46.92	54	-7.08	-	-	239	157	H
6	* 5.458	31.46	RMS	34.4	-18	47.86	54	-6.14	-	-	239	157	H
4	5.468	46.99	Pk	34.4	-17.9	63.49	-	-	68.2	-4.71	239	157	H
3	5.47	45.08	Pk	34.4	-17.9	61.58	-	-	68.2	-6.62	239	157	H

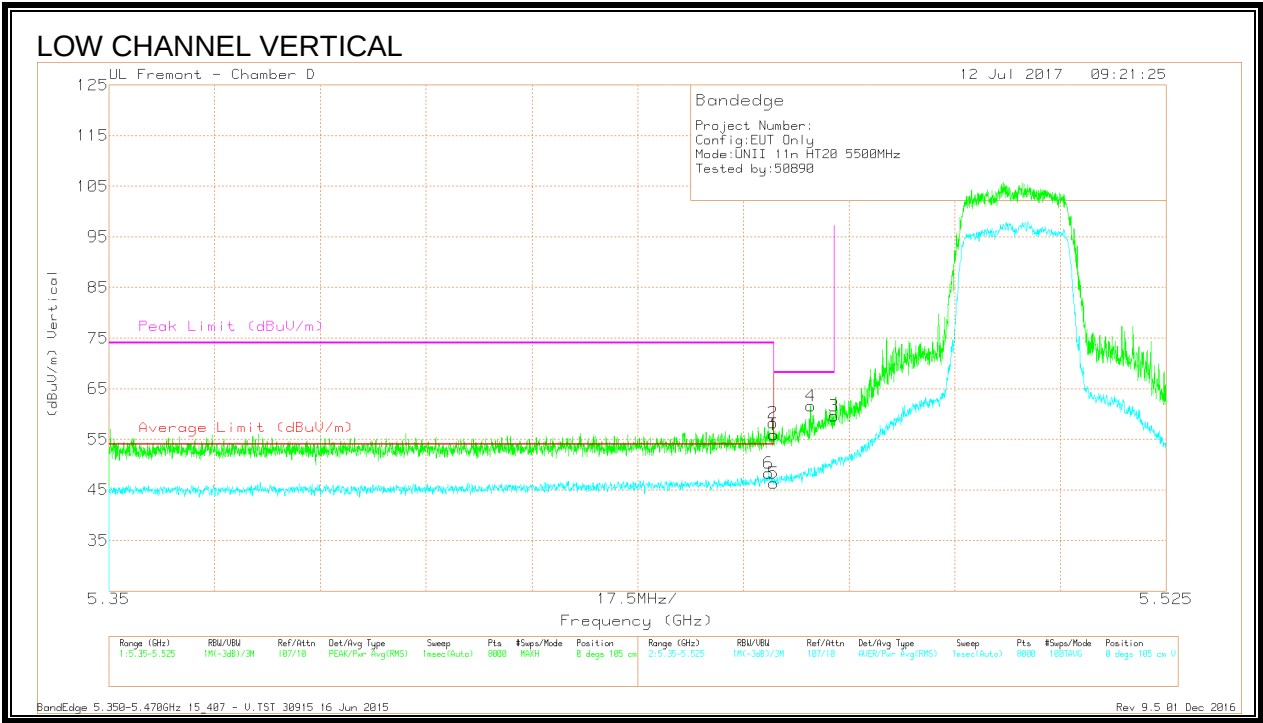
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BandEdge 5.350-5.470GHz 15_407 - H.TST 30915 16 Jun 2015

Rev 9.5 01 Dec 2016



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cb/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6	* 5.459	31.89	RMS	34.4	-18	48.29	54	-5.71	-	-	0	105	V
1	* 5.46	39.38	Pk	34.4	-17.9	55.88	-	-	74	-18.12	0	105	V
2	* 5.46	41.71	Pk	34.4	-17.9	58.21	-	-	74	-15.79	0	105	V
5	* 5.46	29.83	RMS	34.4	-17.9	46.33	54	-7.67	-	-	0	105	V
4	5.466	45.11	Pk	34.4	-17.9	61.61	-	-	68.2	-6.59	0	105	V
3	5.47	43.09	Pk	34.4	-17.9	59.59	-	-	68.2	-8.61	0	105	V

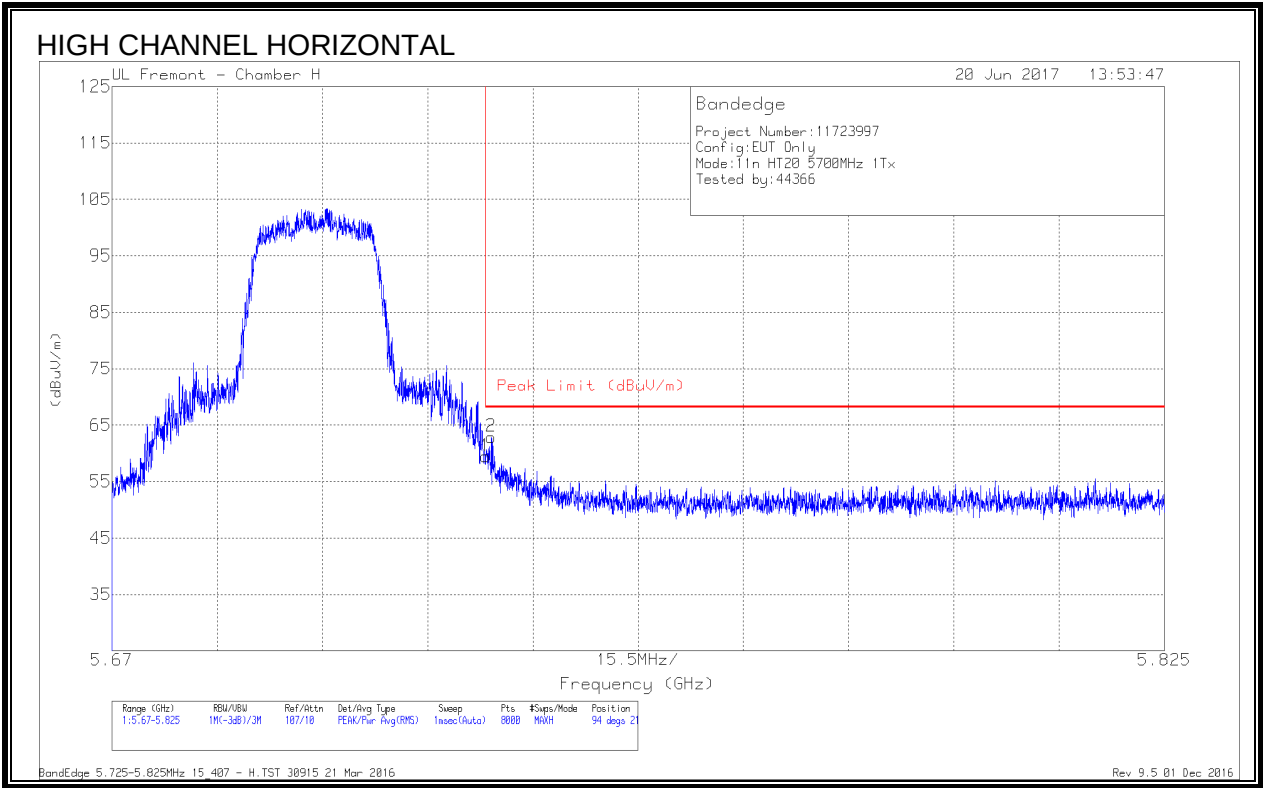
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

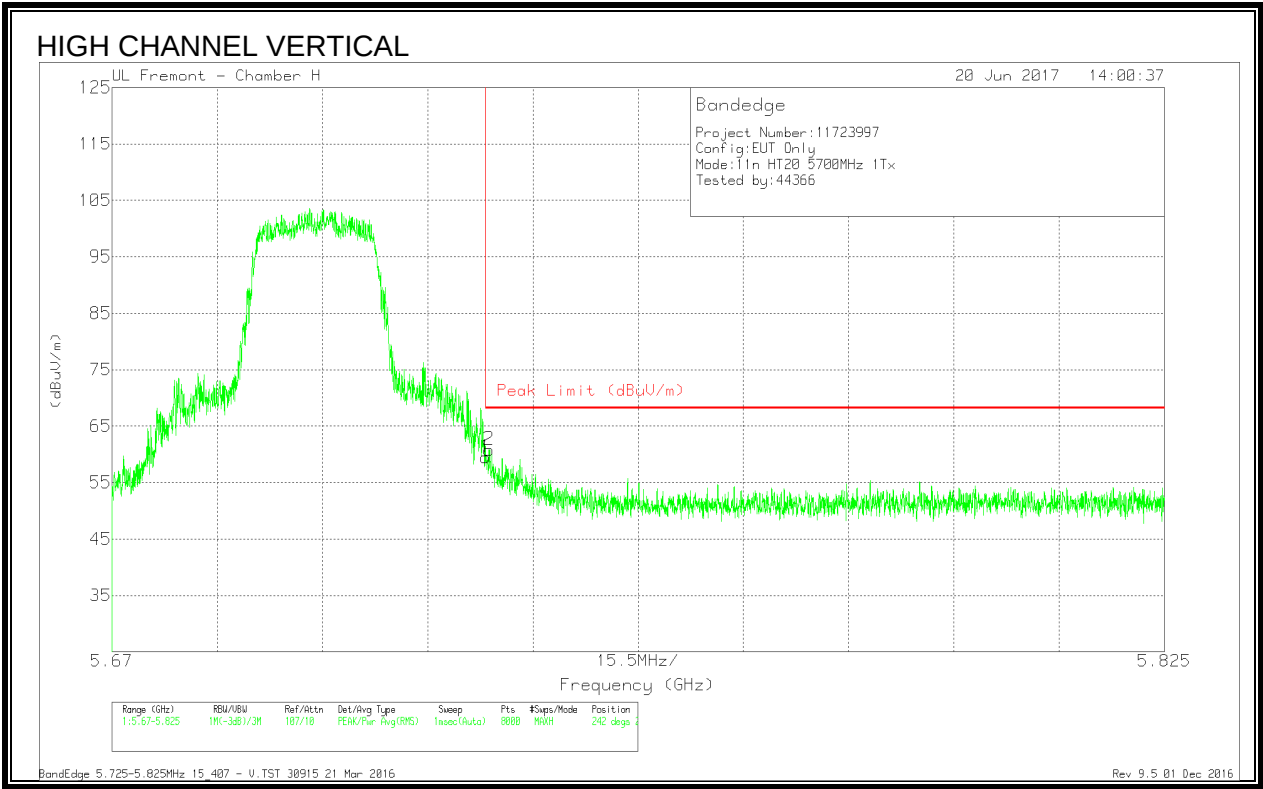
BandEdge 5.350-5.470GHz 15_407 - V.TST 30915 16 Jun 2015

Rev 9.5 01 Dec 2016



Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Correcte d Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	47.87	Pk	35.1	-23.5	59.47	68.2	-8.73	94	219	H
2	5.726	51.31	Pk	35.1	-23.5	62.91	68.2	-5.29	94	219	H

Pk - Peak detector
BandEdge 5.725-5.825MHz 15_407 - H.TST 30915 21 Mar 2016
Rev 9.5 01 Dec 2016



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	47.88	Pk	35.1	-23.5	59.48	68.2	-8.72	242	227	V
2	5.726	49.24	Pk	35.1	-23.5	60.84	68.2	-7.36	242	227	V

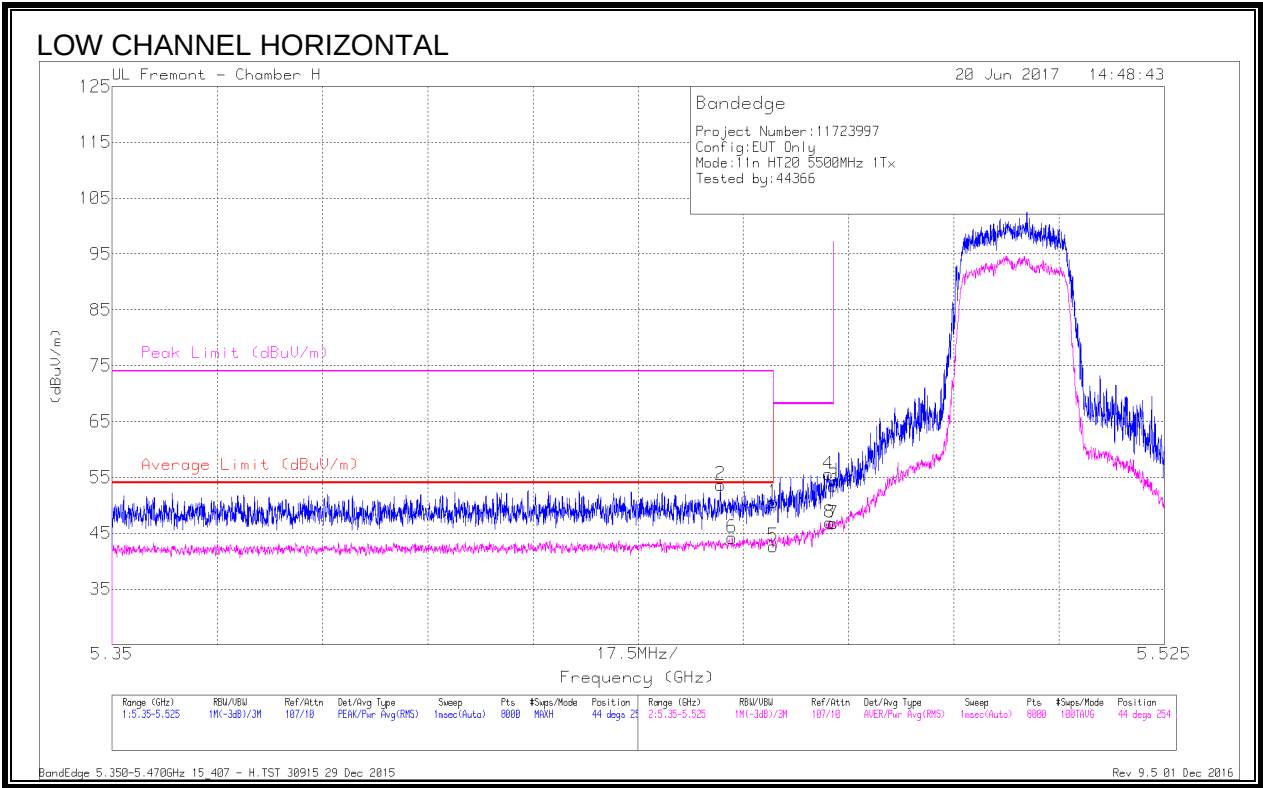
Pk - Peak detector
BandEdge 5.725-5.825MHz 15_407 - V.TST 30915 21 Mar 2016
Rev 9.5 01 Dec 2016

HARMONICS AND SPURIOUS EMISSIONS

NOTE: Covered by 11n HT20 2Tx

9.1.20. 11n HT20 LAT 3 SISO MODE IN THE 5.6GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



Mark er	Frequen cy (GHz)	Meter Readin g (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Correct ed Reading (dBuV/ m)	Average Limit (dBuV/m)	Margi n (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimet h (Degs)	Heigh t (cm)	Polarit y
1	* 5.46	39.66	Pk	34.7	-23.8	50.56	-	-	74	-23.44	44	254	H
2	* 5.451	42.77	Pk	34.7	-23.8	53.67	-	-	74	-20.33	44	254	H
5	* 5.46	31.75	RMS	34.7	-23.8	42.65	54	-11.35	-	-	44	254	H
6	* 5.453	33.27	RMS	34.7	-23.8	44.17	54	-9.83	-	-	44	254	H
4	5.469	44.68	Pk	34.7	-23.8	55.58	-	-	68.2	-12.62	44	254	H
8	5.469	36	RMS	34.7	-23.8	46.9	-	-	-	-	44	254	H
3	5.47	42.58	Pk	34.7	-23.8	53.48	-	-	68.2	-14.72	44	254	H
7	5.47	35.86	RMS	34.7	-23.8	46.76	-	-	-	-	44	254	H

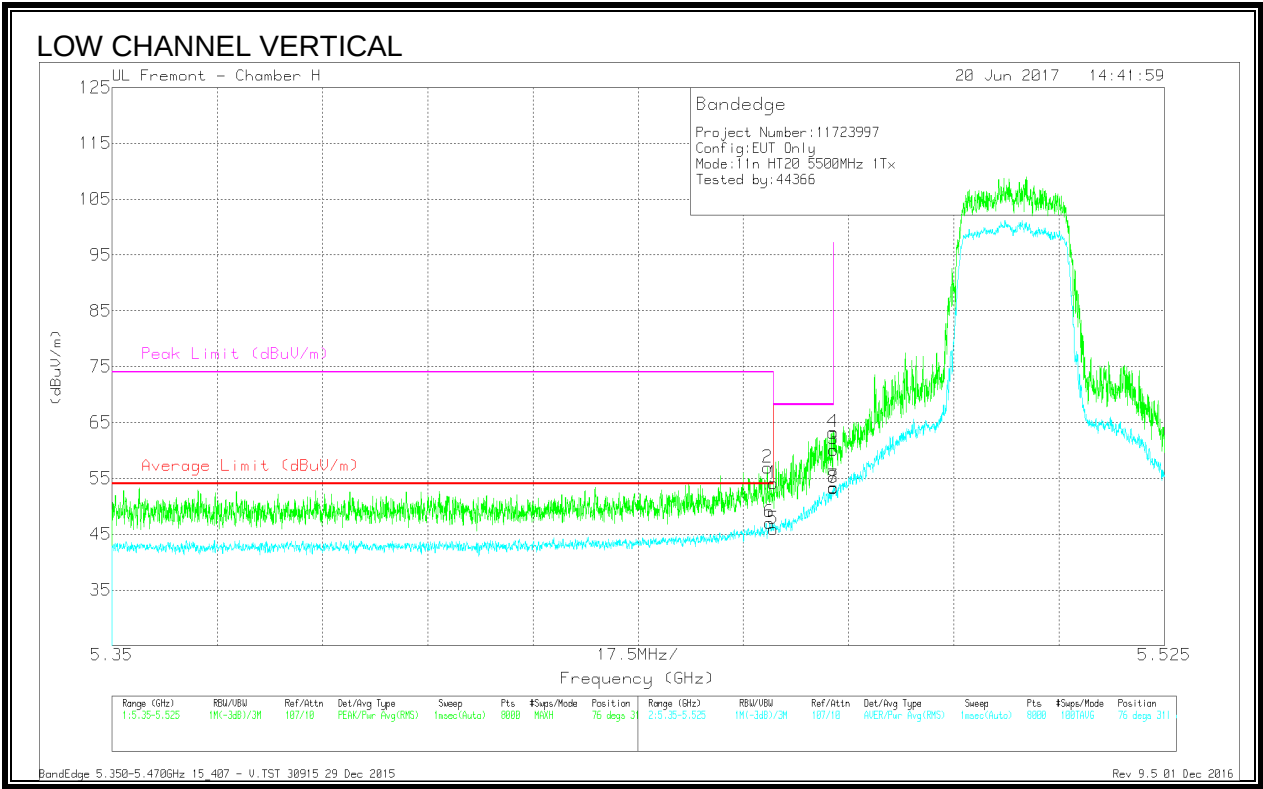
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BandEdge 5.350-5.470GHz 15_407 - H.TST 30915 29 Dec 2015

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Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fitr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	43.19	Pk	34.7	-23.8	54.09	-	-	74	-19.91	76	311	V
2	* 5.459	46	Pk	34.7	-23.8	56.9	-	-	74	-17.1	76	311	V
5	* 5.46	35.02	RMS	34.7	-23.8	45.92	54	-8.08	-	-	76	311	V
6	* 5.459	36.19	RMS	34.7	-23.8	47.09	54	-6.91	-	-	76	311	V
3	5.47	49.26	Pk	34.7	-23.8	60.16	-	-	68.2	-8.04	76	311	V
4	5.47	52.33	Pk	34.7	-23.8	63.23	-	-	68.2	-4.97	76	311	V
7	5.47	42.5	RMS	34.7	-23.8	53.4	-	-	-	-	76	311	V
8	5.47	42.34	RMS	34.7	-23.8	53.24	-	-	-	-	76	311	V

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

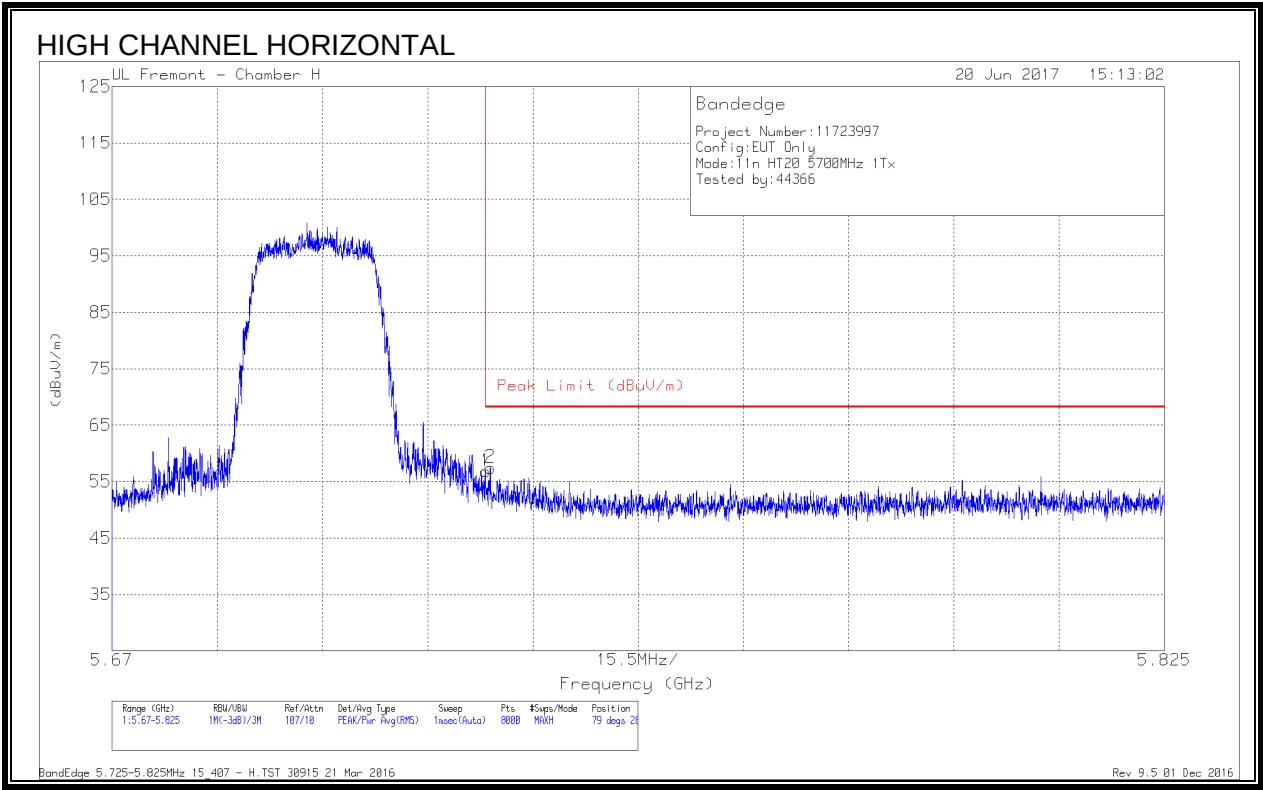
Pk - Peak detector

RMS - RMS detection

BandEdge 5.350-5.470GHz 15_407 - V.TST 30915 29 Dec 2015

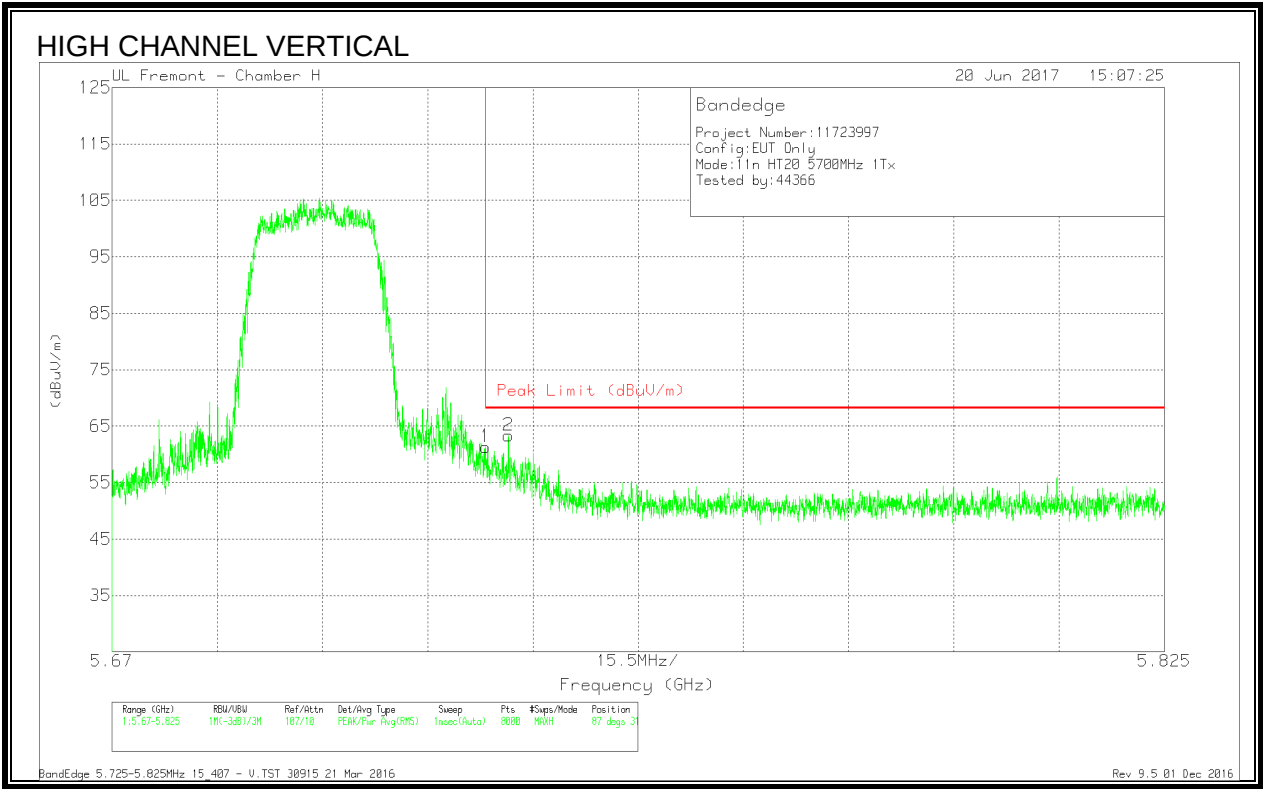
Rev 9.5 01 Dec 2016

AUTHORIZED BANDEDGE (HIGH CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	45.18	Pk	35.1	-23.5	56.78	68.2	-11.42	79	285	H
2	5.726	45.87	Pk	35.1	-23.5	57.47	68.2	-10.73	79	285	H

Pk - Peak detector
BandEdge 5.725-5.825MHz 15_407 - H.TST 30915 21 Mar 2016
Rev 9.5 01 Dec 2016



Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Correcte d Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	49.7	Pk	35.1	-23.5	61.3	68.2	-6.9	87	315	V
2	5.728	51.75	Pk	35.1	-23.5	63.35	68.2	-4.85	87	315	V

Pk - Peak detector
BandEdge 5.725-5.825MHz 15_407 - V.TST 30915 21 Mar 2016
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HARMONICS AND SPURIOUS EMISSIONS

NOTE: Covered by 11n HT20 2Tx

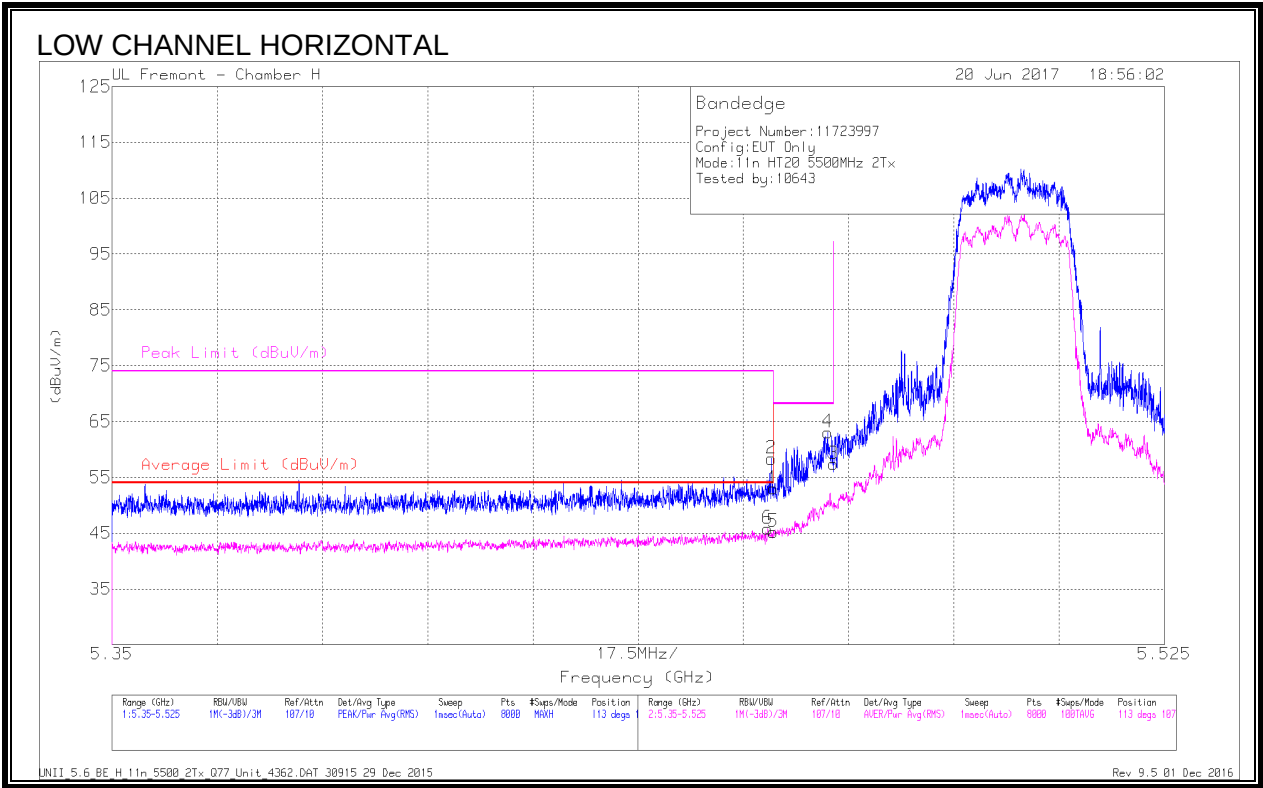
9.1.21. 11ac HT20 UAT 2 And LAT 3 SISO STRADDLE CHANNEL 144

HARMONICS AND SPURIOUS EMISSIONS

Note: Covered by 802.11ac HT20 2TX CDD mode Channel 144

9.1.22. 11n HT20 2TX CDD MIMO MODE IN THE 5.6GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarization
1	* 5.46	42.08	Pk	34.7	-23.8	52.98	-	-	74	-21.02	113	107	H
2	* 5.46	47.45	Pk	34.7	-23.8	58.35	-	-	74	-15.65	113	107	H
5	* 5.46	34.31	RMS	34.7	-23.8	45.21	54	-8.79	-	-	113	107	H
6	* 5.459	34.92	RMS	34.7	-23.8	45.82	54	-8.18	-	-	113	107	H
4	5.469	52.17	Pk	34.7	-23.8	63.07	-	-	68.2	-5.13	113	107	H
3	5.47	46.48	Pk	34.7	-23.8	57.38	-	-	68.2	-10.82	113	107	H

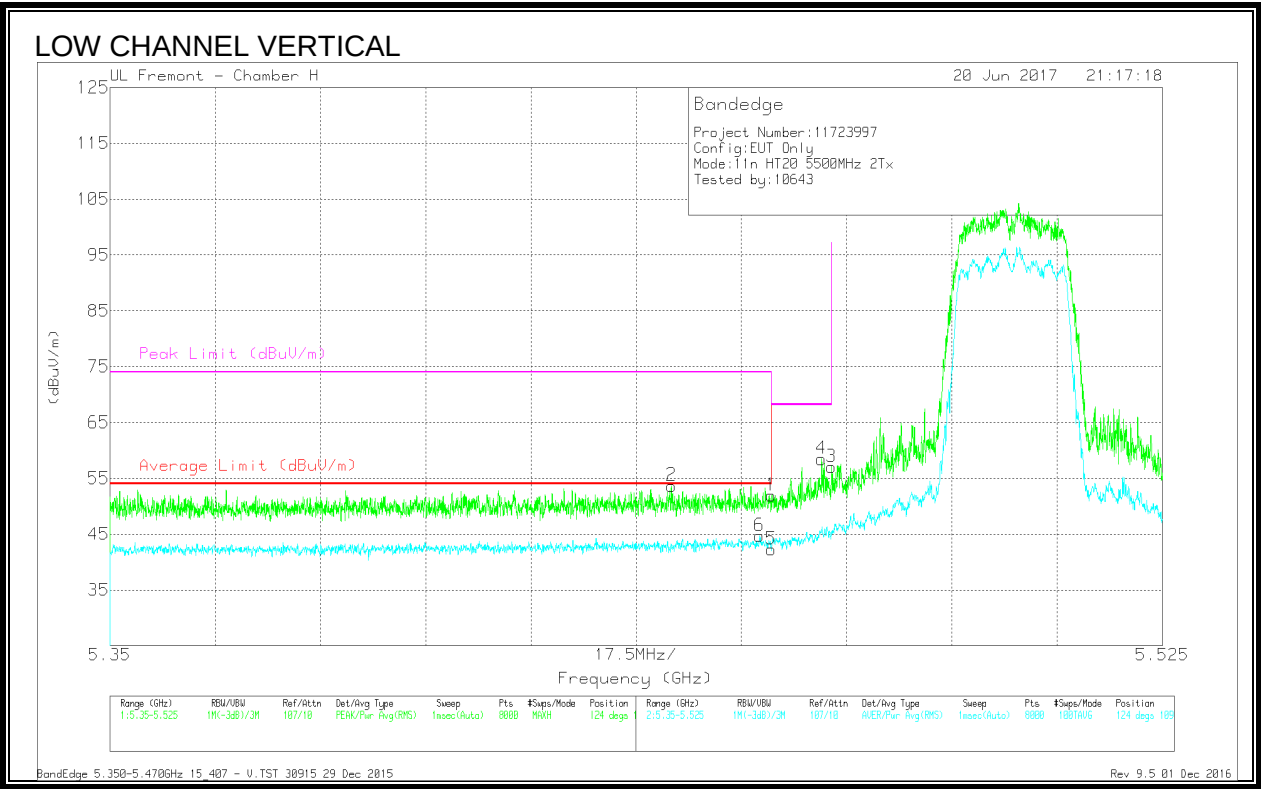
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

UNII_5.6_BE_H_11n_5500_2Tx_Q77_Unit_4362.DAT 30915 29 Dec 2015

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Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fitr/P ad (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	40.99	Pk	34.7	-23.8	51.89	-	-	74	-22.11	124	109	V
2	* 5.443	42.87	Pk	34.7	-23.9	53.67	-	-	74	-20.33	124	109	V
5	* 5.46	31.37	RMS	34.7	-23.8	42.27	54	-11.73	-	-	124	109	V
6	* 5.458	33.79	RMS	34.7	-23.8	44.69	54	-9.31	-	-	124	109	V
4	5.468	47.56	Pk	34.7	-23.8	58.46	-	-	68.2	-9.74	124	109	V
3	5.47	46.14	Pk	34.7	-23.8	57.04	-	-	68.2	-11.16	124	109	V

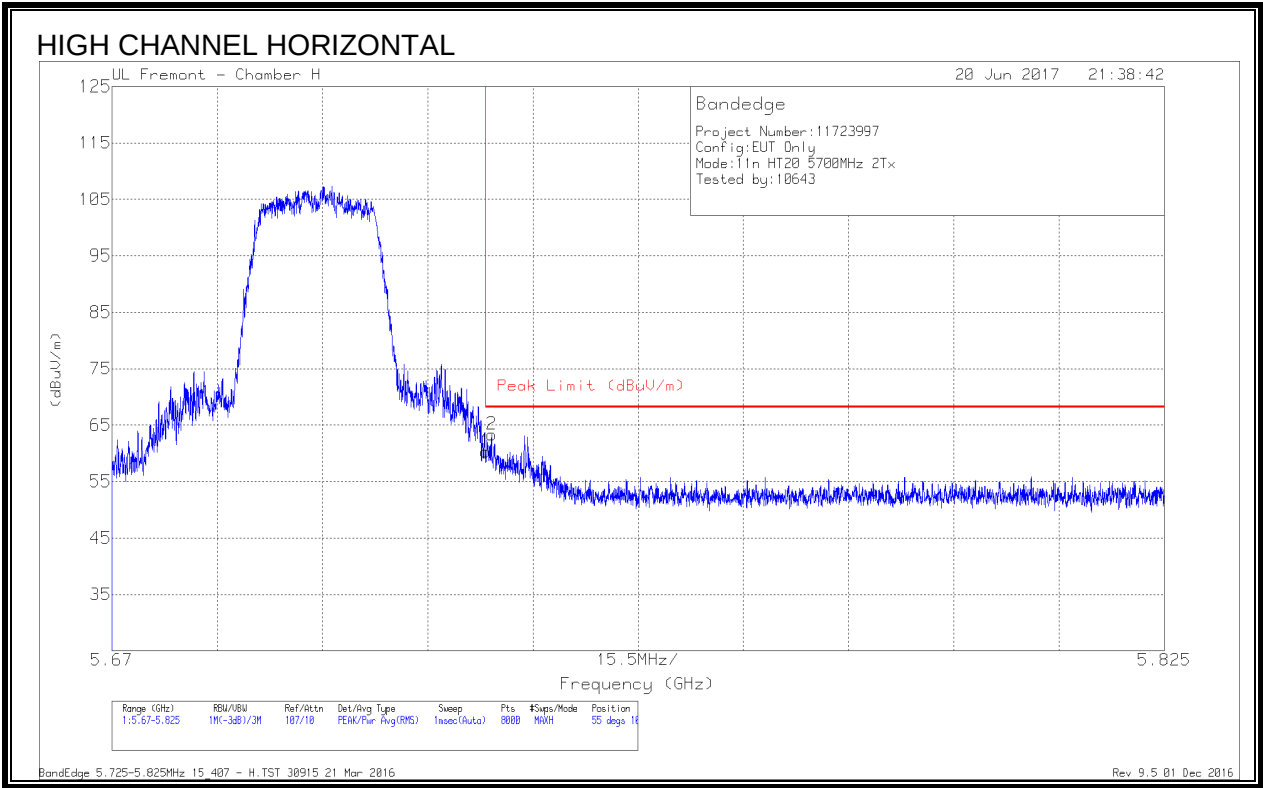
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

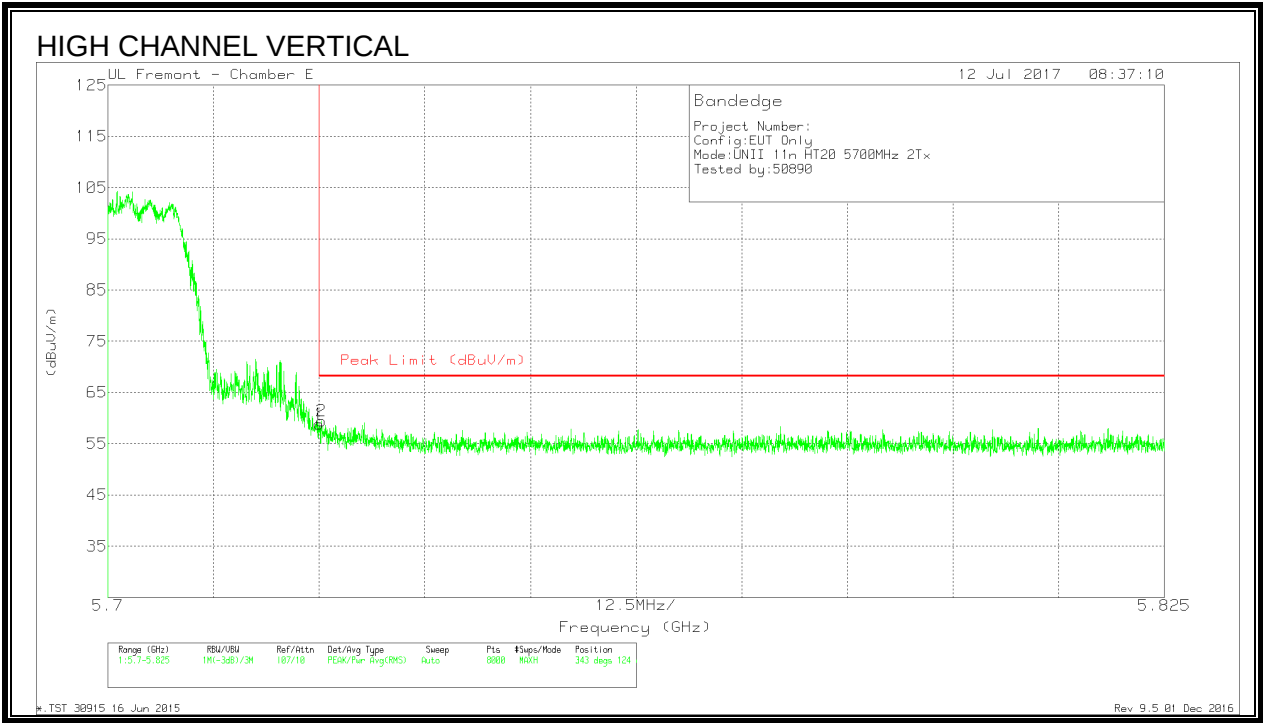
BandEdge 5.350-5.470GHz 15_407 - V.TST 30915 29 Dec 2015

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Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Correcte d Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	48.7	Pk	35.1	-23.5	60.3	68.2	-7.9	55	100	H
2	5.726	51.72	Pk	35.1	-23.5	63.32	68.2	-4.88	55	100	H

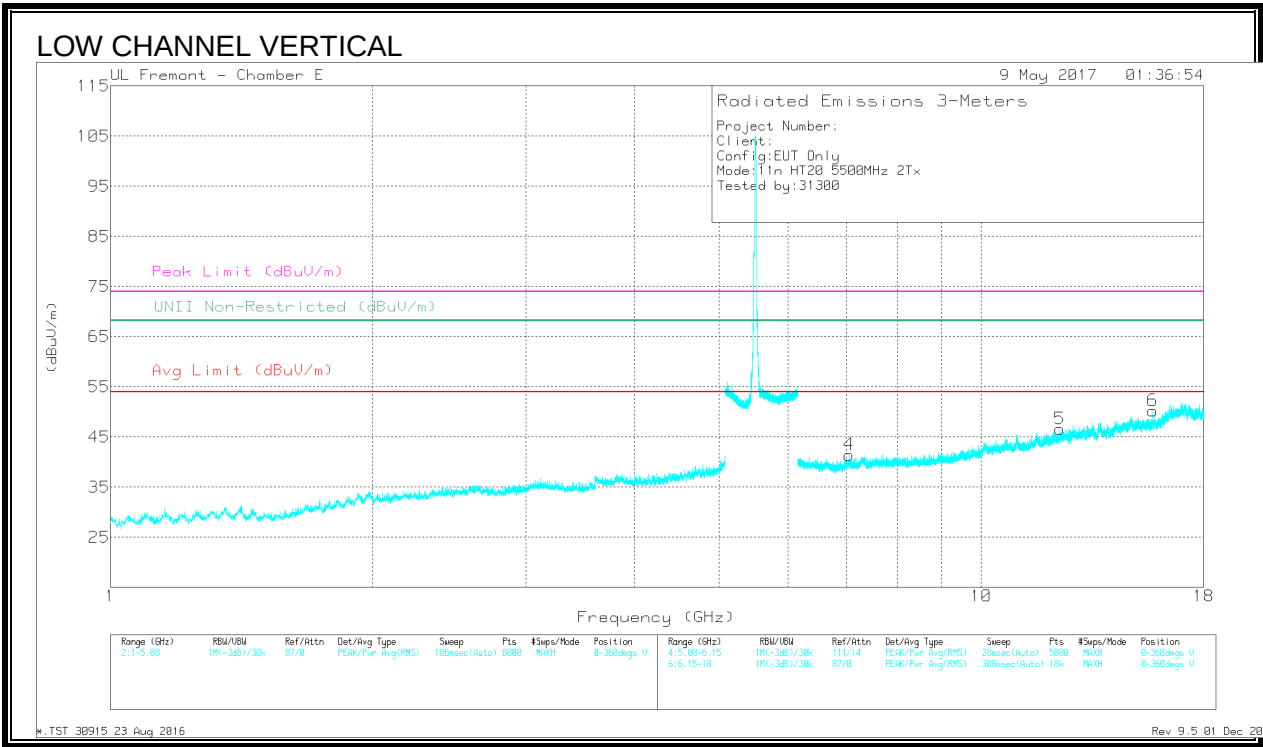
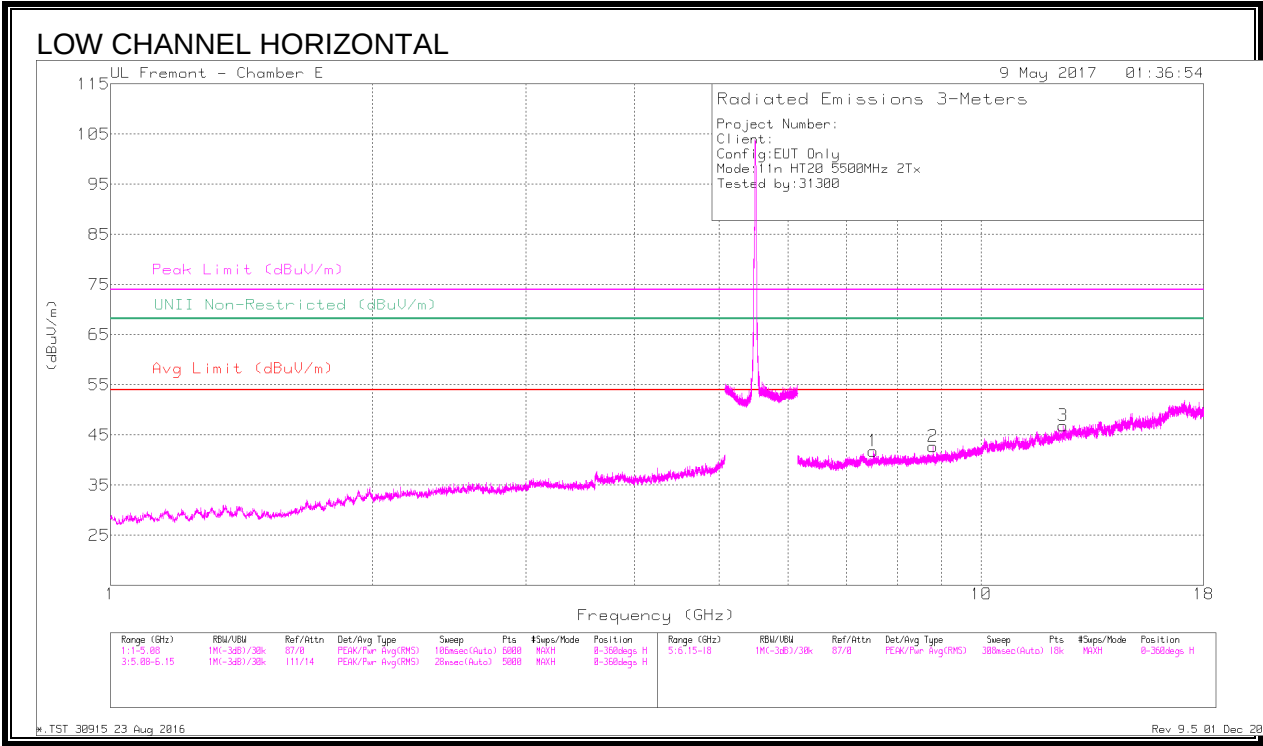
Pk - Peak detector
BandEdge 5.725-5.825MHz 15_407 - H.TST 30915 21 Mar 2016
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Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	41.5	Pk	34.8	-17.5	58.8	68.2	-9.4	343	124	V
2	5.725	42.16	Pk	34.8	-17.5	59.46	68.2	-8.74	343	124	V

Pk - Peak detector
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HARMONICS AND SPURIOUS EMISSIONS



DATA

Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb l/Filtr/P ad (dB)	Correct ed Reading (dBuV/ m)	Avg Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	UNII Non- Restrict ed (dBuV/ m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 7.517	38.42	PK-U	36.1	-27.2	47.32	-	-	74	-26.68	-	-	310	226	H
* 7.515	26.87	ADR	36.1	-27.2	35.77	54	-18.23	-	-	-	-	310	226	H
* 12.413	37.3	PK-U	39.2	-24.1	52.4	-	-	74	-21.6	-	-	351	150	H
* 12.414	25.9	ADR	39.2	-24.1	41	54	-13	-	-	-	-	351	150	H
* 12.311	38.89	PK-U	39.2	-24.1	53.99	-	-	74	-20.01	-	-	340	375	V
* 12.309	25.74	ADR	39.2	-24.1	40.84	54	-13.16	-	-	-	-	340	375	V
* 15.739	37.02	PK-U	40.8	-21.9	55.92	-	-	74	-18.08	-	-	107	231	V
* 15.737	25.72	ADR	40.8	-21.9	44.62	54	-9.38	-	-	-	-	107	231	V
7.048	39.29	PK-U	35.7	-27.1	47.89	-	-	-	-	68.2	-20.31	28	262	V
7.049	27.27	ADR	35.7	-27.1	35.87	-	-	-	-	-	-	28	262	V
8.803	37.88	PK-U	36.2	-26.8	47.28	-	-	-	-	68.2	-20.92	336	158	H
8.805	26.83	ADR	36.2	-26.8	36.23	-	-	-	-	-	-	336	158	H

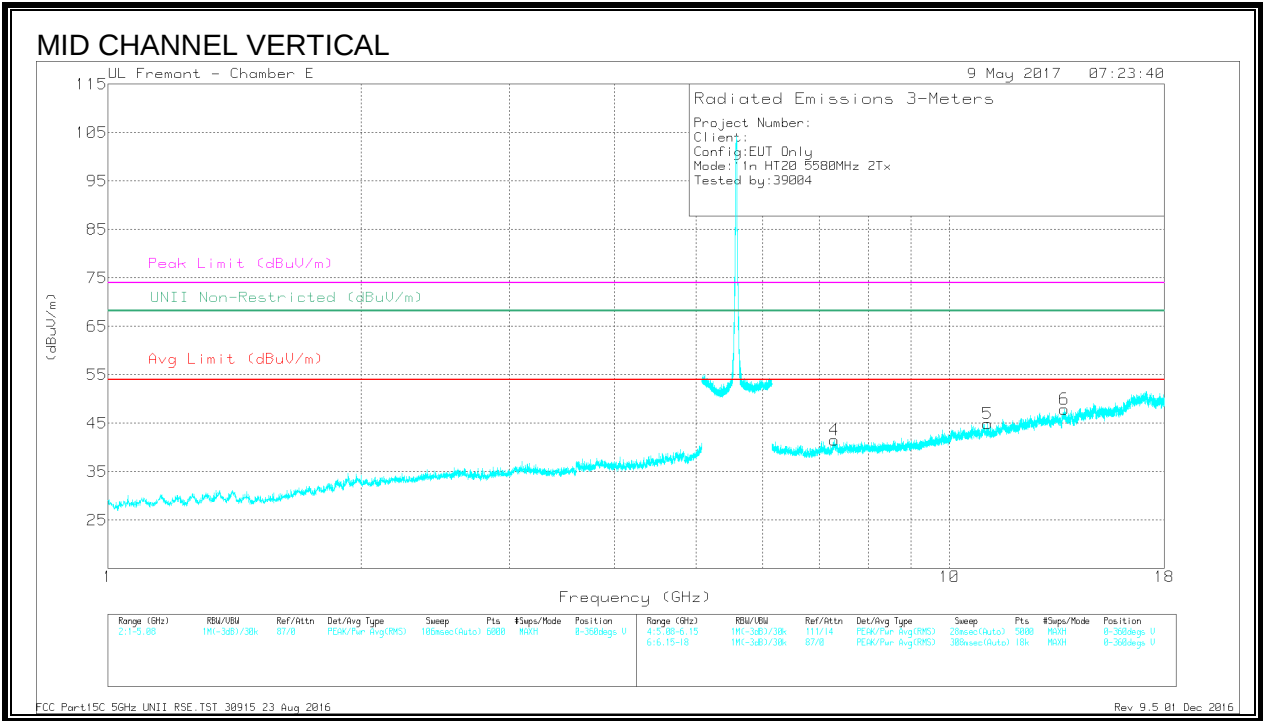
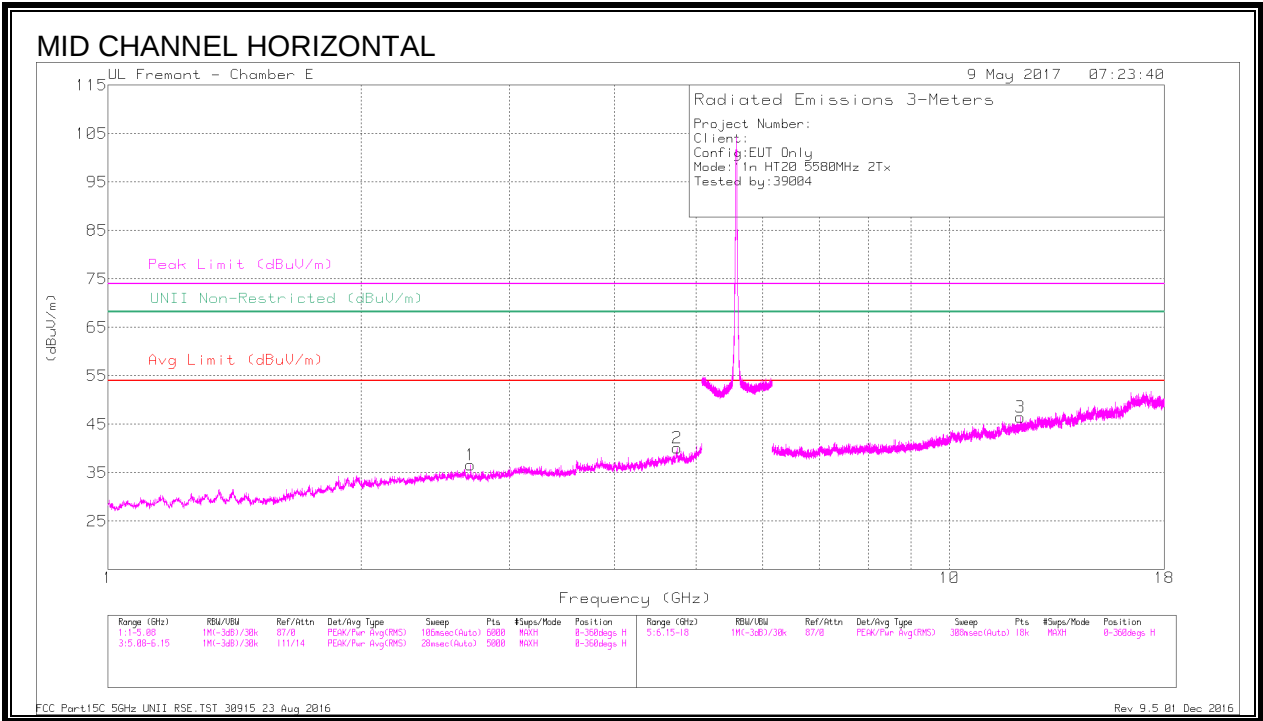
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

*.TST 30915 23 Aug 2016

Rev 9.5 01 Dec 2016



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.695	43.02	PK-U	32.4	-32.3	43.12	-	-	74	-30.88	-	-	55	215	H
	* 2.696	30.85	ADR	32.4	-32.4	30.85	54	-23.15	-	-	-	-	55	215	H
2	* 4.748	40.93	PK-U	34.3	-29.1	46.13	-	-	74	-27.87	-	-	352	143	H
	* 4.748	29.57	ADR	34.3	-29.1	34.77	54	-19.23	-	-	-	-	352	143	H
3	* 12.142	37.11	PK-U	39.1	-23.9	52.31	-	-	74	-21.69	-	-	211	131	H
	* 12.14	25.94	ADR	39.1	-23.8	41.24	54	-12.76	-	-	-	-	211	131	H
4	* 7.301	38.56	PK-U	35.9	-26.3	48.16	-	-	74	-25.84	-	-	115	202	V
	* 7.3	27.67	ADR	35.9	-26.2	37.37	54	-16.63	-	-	-	-	115	202	V
5	* 11.099	36.64	PK-U	37.7	-23.9	50.44	-	-	74	-23.56	-	-	301	108	V
	* 11.098	25.76	ADR	37.7	-23.9	39.56	54	-14.44	-	-	-	-	301	108	V
6	13.686	37.94	PK-U	39.3	-22.9	54.34	-	-	-	-	68.2	-13.86	320	280	V

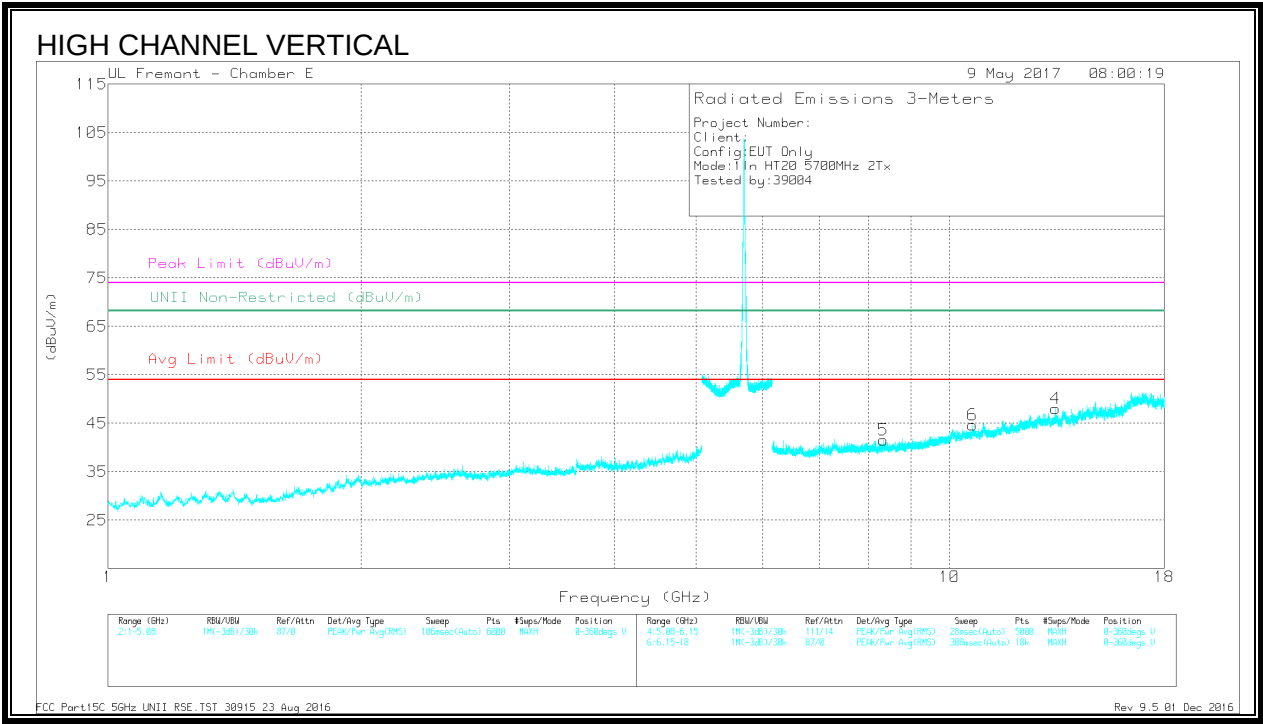
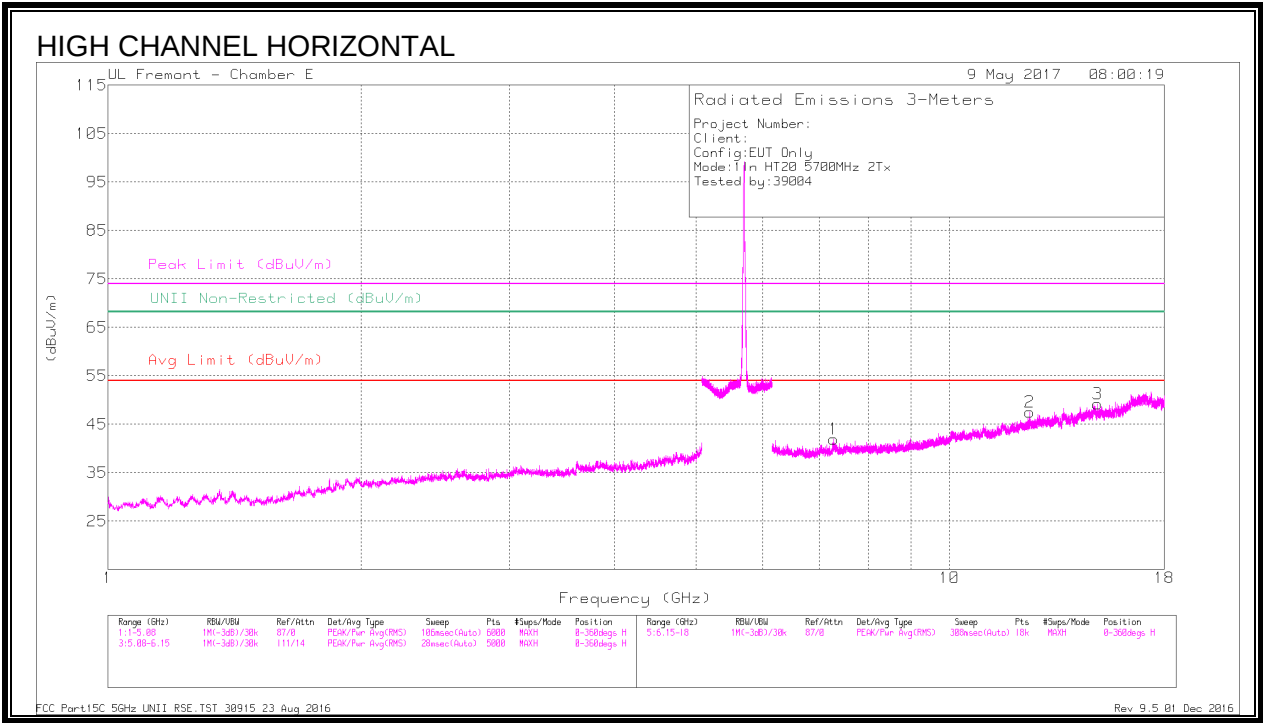
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

FCC Part15C 5GHz UNII RSE.TST 30915 23 Aug 2016

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DATA

Marker	Frequen cy (GHz)	Meter Readin g (dBuV)	Det	AF T863 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	Correct ed Readin g (dBuV/ m)	Avg Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	UNII Non- Restrict ed (dBuV/ m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 7.288	39	PK-U	35.9	-26.2	48.7	-	-	74	-25.3	-	-	296	177	H
	* 7.289	27.05	ADR	35.9	-26.3	36.65	54	-17.35	-	-	-	-	296	177	H
2	* 12.464	36.91	PK-U	39.3	-23.8	52.41	-	-	74	-21.59	-	-	113	278	H
	* 12.463	24.96	ADR	39.3	-23.8	40.46	54	-13.54	-	-	-	-	113	278	H
4	* 13.37	37.85	PK-U	39.7	-23.9	53.65	-	-	74	-20.35	-	-	205	125	V
	* 13.371	26.32	ADR	39.7	-23.9	42.12	54	-11.88	-	-	-	-	205	125	V
5	* 8.34	38.99	PK-U	36.1	-26.9	48.19	-	-	74	-25.81	-	-	301	263	V
	* 8.339	26.99	ADR	36.1	-26.9	36.19	54	-17.81	-	-	-	-	301	263	V
6	* 10.651	36.25	PK-U	37.6	-23.1	50.75	-	-	74	-23.25	-	-	182	341	V
	* 10.654	24.58	ADR	37.6	-23	39.18	54	-14.82	-	-	-	-	182	341	V
3	15.008	37.71	PK-U	40.6	-23.5	54.81	-	-	-	-	68.2	-13.39	12	153	H

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

PK-U - U-NII: Maximum Peak

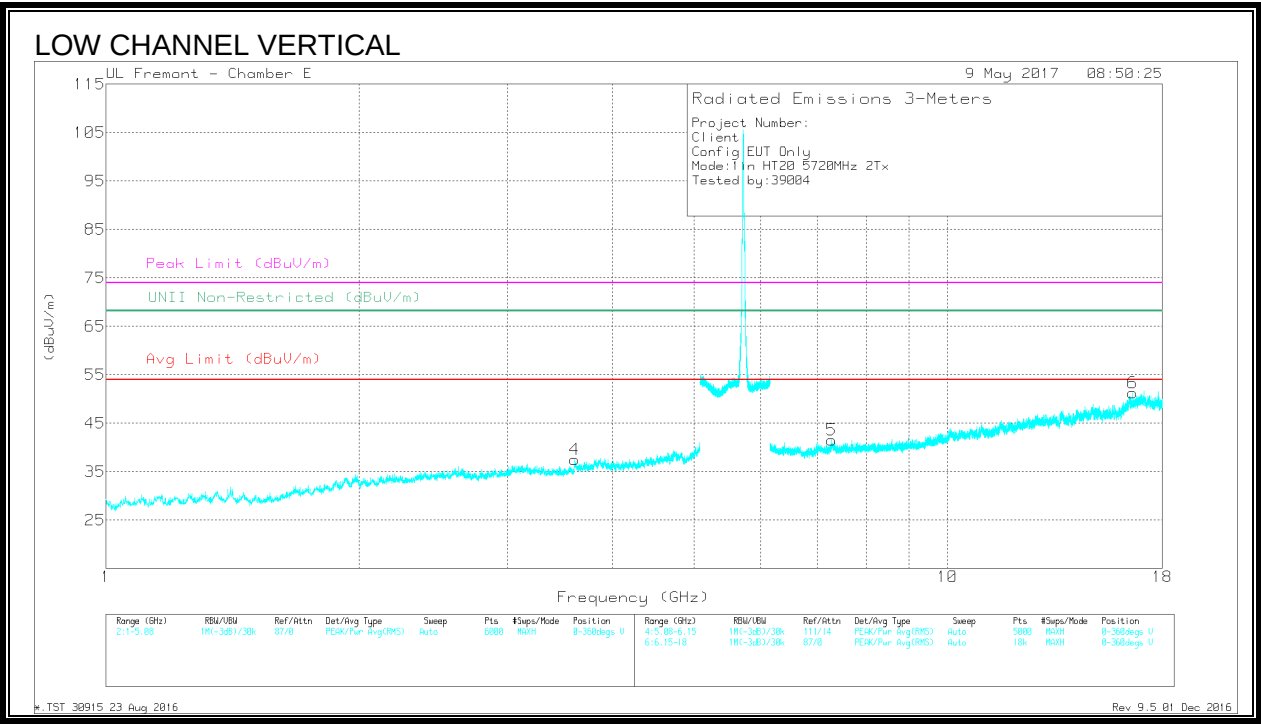
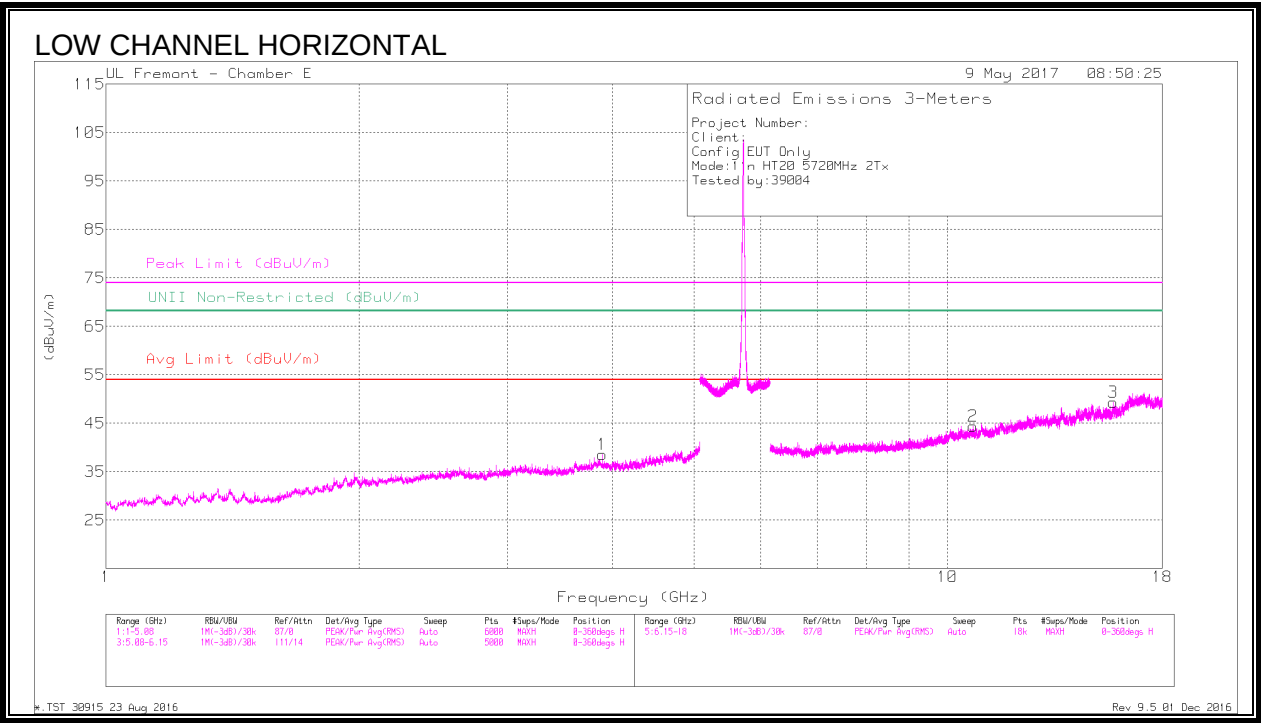
ADR - U-NII AD primary method, RMS average

FCC Part15C 5GHz UNII RSE.TST 30915 23 Aug 2016

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9.1.23. 11n HT20 2TX CDD MIMO STRADDLE CHANNEL 144

HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.89	41.89	PK-U	33.4	-30.4	44.89	-	-	74	-29.11	-	-	48	147	H
	* 3.892	30.24	ADR	33.4	-30.4	33.24	54	-20.76	-	-	-	-	48	147	H
4	* 3.605	42.34	PK-U	32.9	-30.5	44.74	-	-	74	-29.26	-	-	277	197	V
	* 3.607	29.79	ADR	32.9	-30.6	32.09	54	-21.91	-	-	-	-	277	197	V
2	* 10.725	36.37	PK-U	37.6	-23.4	50.57	-	-	74	-23.43	-	-	294	352	H
	* 10.725	24.64	ADR	37.6	-23.4	38.84	54	-15.16	-	-	-	-	294	352	H
3	* 15.738	37.57	PK-U	40.8	-21.9	56.47	-	-	74	-17.53	-	-	119	157	H
	* 15.737	25.67	ADR	40.8	-21.9	44.57	54	-9.43	-	-	-	-	119	157	H
5	* 7.281	38.5	PK-U	35.9	-26.2	48.2	-	-	74	-25.8	-	-	98	132	V
	* 7.285	26.67	ADR	35.9	-26.2	36.37	54	-17.63	-	-	-	-	98	132	V
6	16.596	36.47	PK-U	42.2	-21.3	57.37	-	-	-	-	68.2	-10.83	193	321	V

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

PK-U - U-NII: Maximum Peak

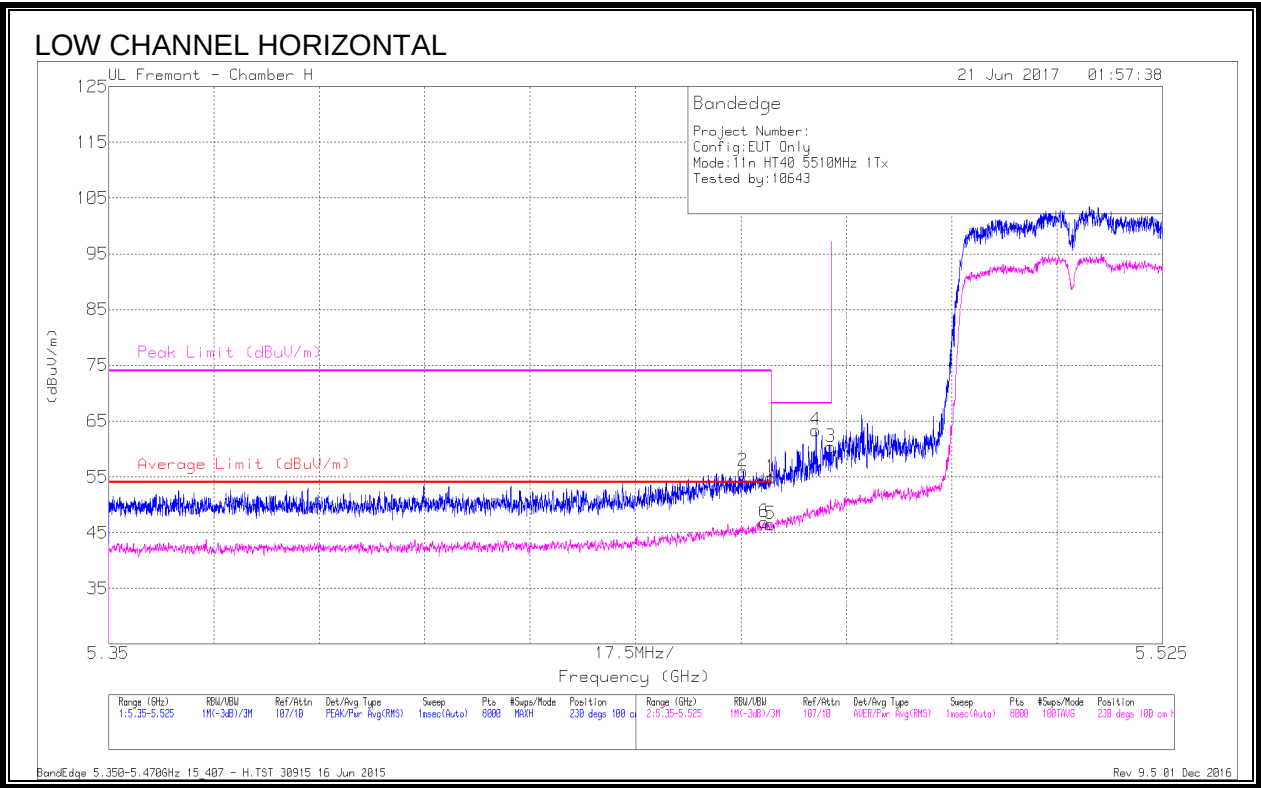
ADR - U-NII AD primary method, RMS average

*.TST 30915 23 Aug 2016

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9.1.24. 11n HT40 UAT 2 SISO MODE IN THE 5.6GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



Mark er	Frequen cy (GHz)	Meter Readin g (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	DC Corr (dB)	Correct ed Reading (dBuV/ m)	Average Limit (dBuV/m)	Margi n (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimet h (Degs)	Heigh t (cm)	Polarit y
1	* 5.46	43.95	Pk	34.7	-23.8	0	54.85	-	-	74	-19.15	230	100	H
2	* 5.455	45.09	Pk	34.7	-23.8	0	55.99	-	-	74	-18.01	230	100	H
5	* 5.46	35.58	RMS	34.7	-23.8	.1	46.58	54	-7.42	-	-	230	100	H
6	* 5.459	35.99	RMS	34.7	-23.8	.1	46.99	54	-7.01	-	-	230	100	H
4	5.467	52.52	Pk	34.7	-23.8		63.42	-	-	68.2	-4.78	230	100	H
3	5.47	49.45	Pk	34.7	-23.8		60.35	-	-	68.2	-7.85	230	100	H

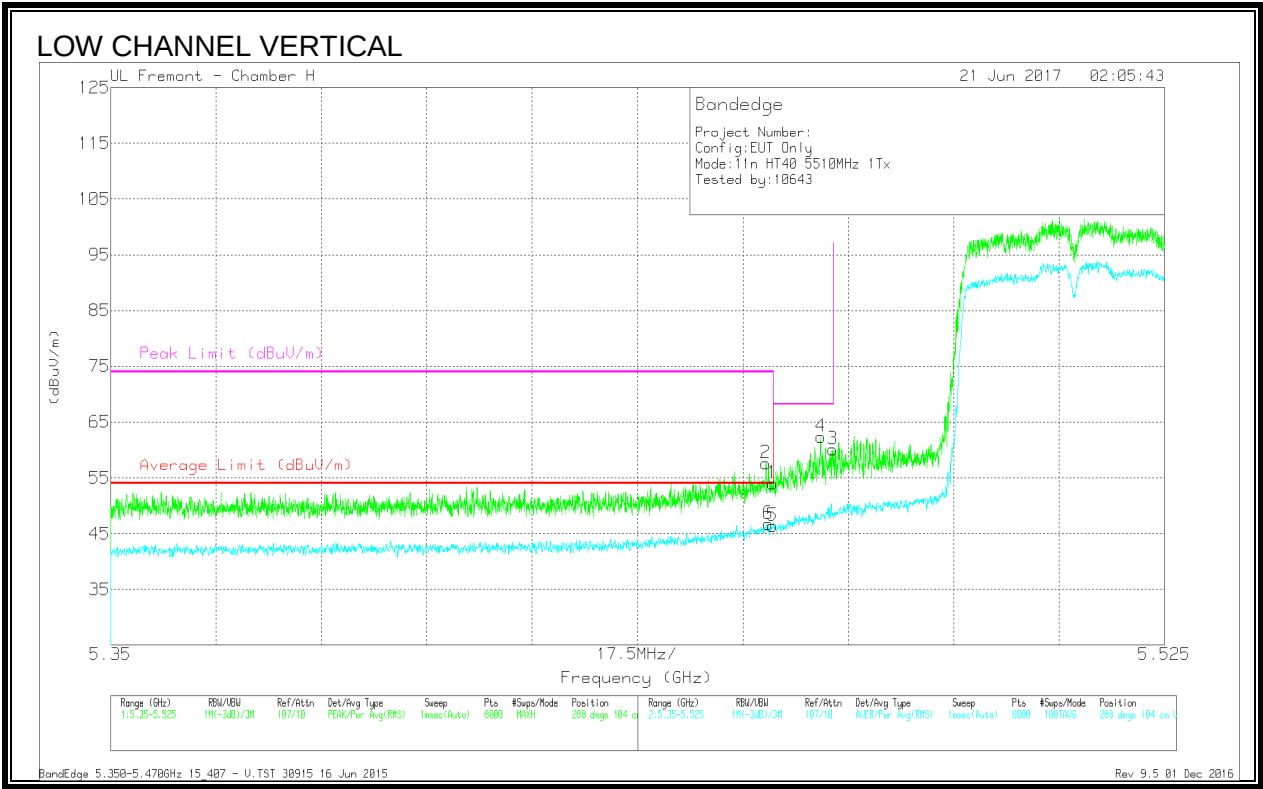
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BandEdge 5.350-5.470GHz 15_407 - H.TST 30915 16 Jun 2015

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Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fitr/P ad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	43.16	Pk	34.7	-23.8	0	54.06	-	-	74	-19.94	288	104	V
2	* 5.459	46.75	Pk	34.7	-23.8	0	57.65	-	-	74	-16.35	288	104	V
5	* 5.46	35.5	RMS	34.7	-23.8	.1	46.5	54	-7.5	-	-	288	104	V
6	* 5.459	35.82	RMS	34.7	-23.8	.1	46.82	54	-7.18	-	-	288	104	V
4	5.468	51.51	Pk	34.7	-23.8		62.41	-	-	68.2	-5.79	288	104	V
3	5.47	49.26	Pk	34.7	-23.8		60.16	-	-	68.2	-8.04	288	104	V

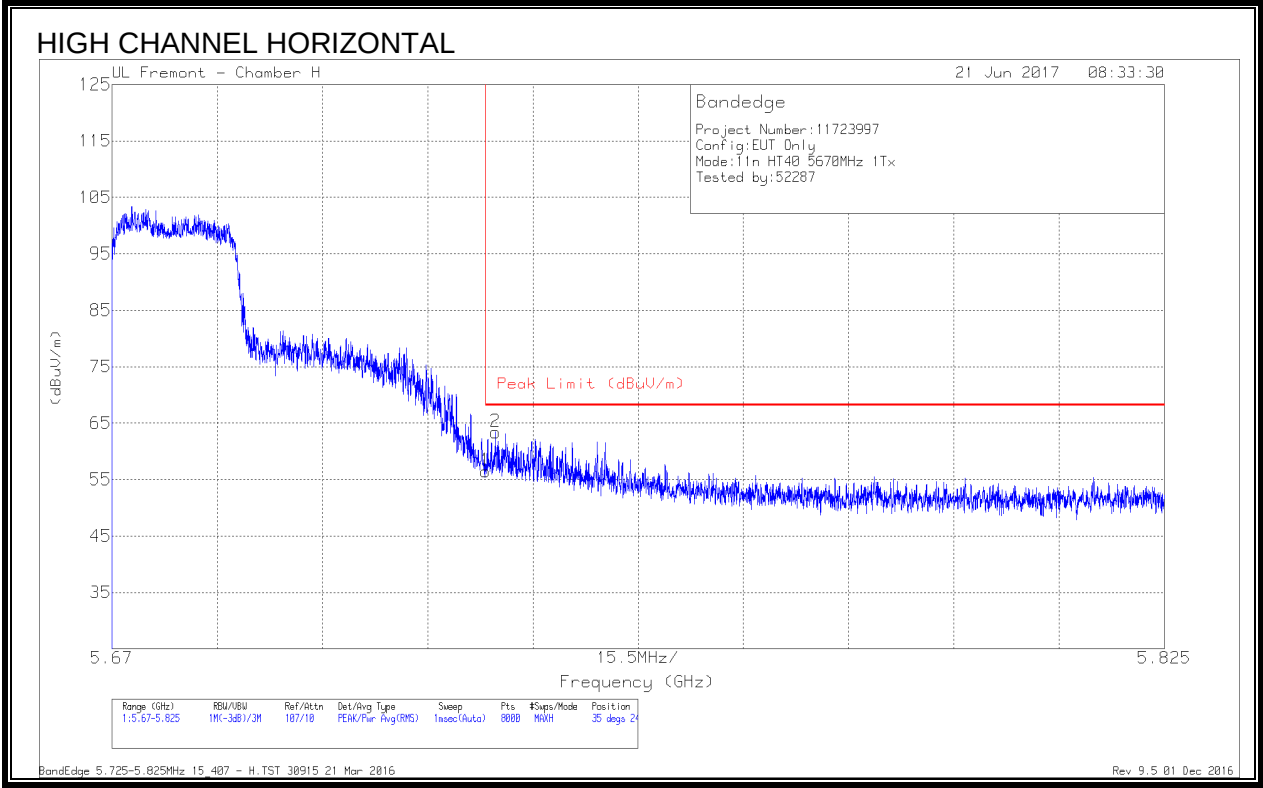
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

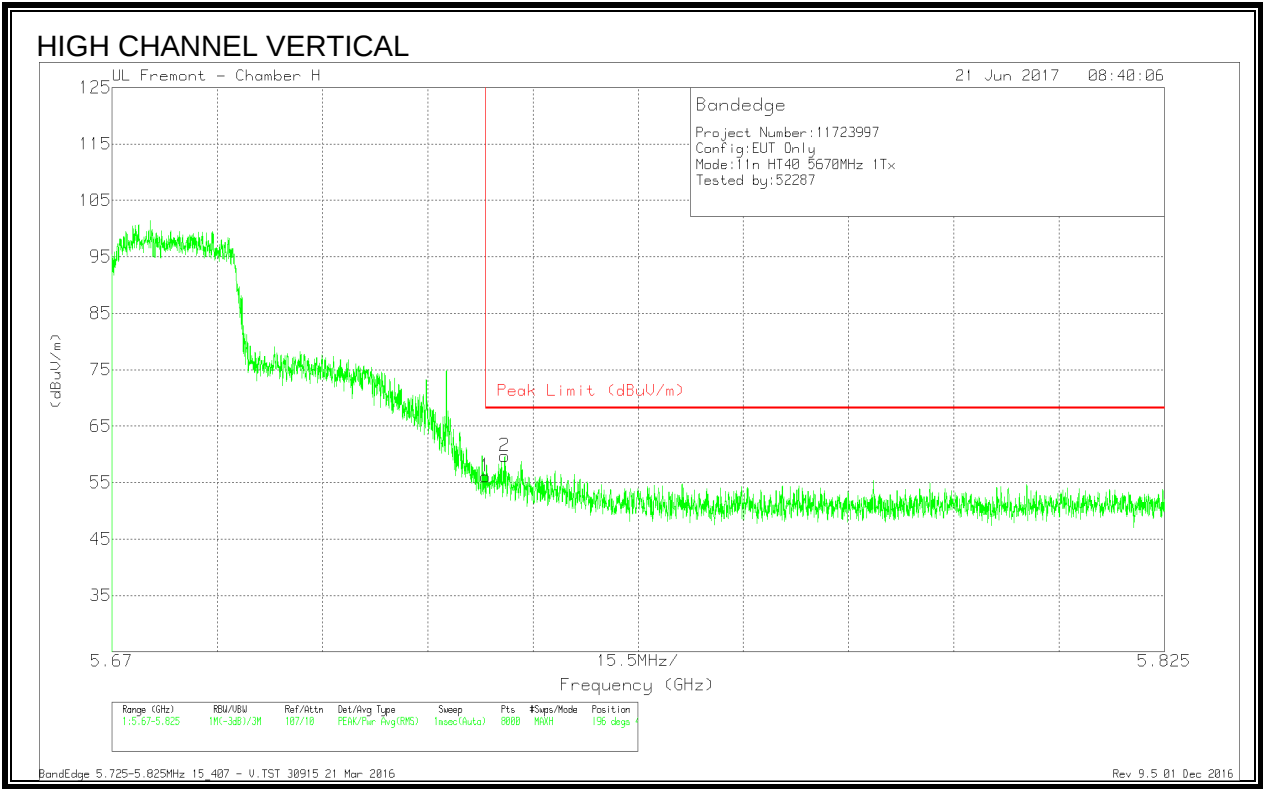
BandEdge 5.350-5.470GHz 15_407 - V.TST 30915 16 Jun 2015

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Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Ampl/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	44.89	Pk	35.1	-23.5	0	56.49	68.2	-11.71	35	244	H
2	5.727	51.81	Pk	35.1	-23.5	0	63.41	68.2	-4.79	35	244	H

Pk - Peak detector
BandEdge 5.725-5.825MHz 15_407 - H.TST 30915 21 Mar 2016
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Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fitr/P ad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	44.51	Pk	35.1	-23.5	0	56.11	68.2	-12.09	196	400	V
2	5.728	48.09	Pk	35.1	-23.5	0	59.69	68.2	-8.51	196	400	V

Pk - Peak detector
BandEdge 5.725-5.825MHz 15_407 - V.TST 30915 21 Mar 2016
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HARMONICS AND SPURIOUS EMISSIONS

NOTE: Covered by 11n HT40 2Tx

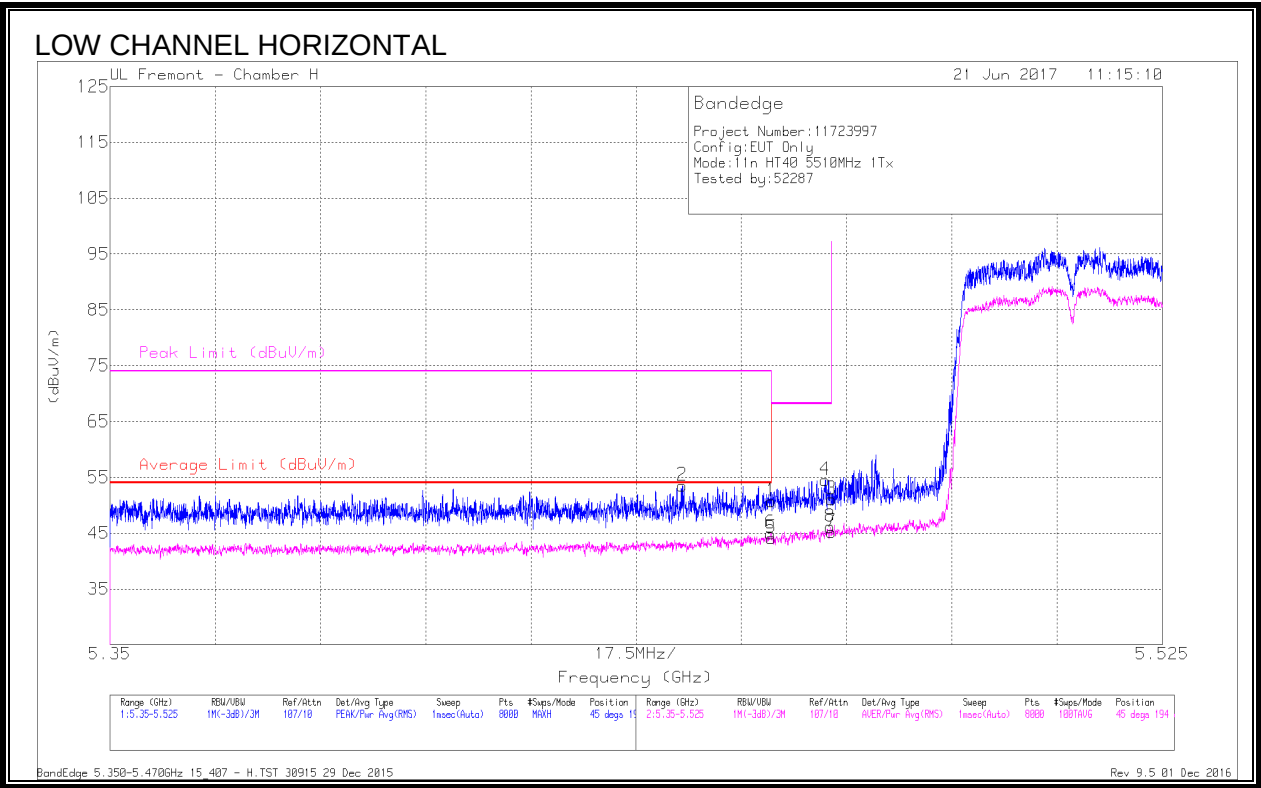
9.1.25. 11ac HT40 UAT 2 And LAT 3 SISO STRADDLE CHANNEL 142

HARMONICS AND SPURIOUS EMISSIONS

Note: Covered by 802.11ac HT40 2TX CDD mode Channel 142

9.1.26. 11n HT40 LAT 3 SISO MODE IN THE 5.6GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cb l/Fitr/P ad (dB)	DC Corr (dB)	Correct ed Reading (dBuV/ m)	Average Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.445	42.74	Pk	34.7	-23.9	0	53.54	-	-	74	-20.46	45	194	H
1	* 5.46	39.82	Pk	34.7	-23.8	0	50.72	-	-	74	-23.28	45	194	H
5	* 5.46	33.11	RMS	34.7	-23.8	.1	44.11	54	-9.89	-	-	45	194	H
6	* 5.46	33.99	RMS	34.7	-23.8	.1	44.99	54	-9.01	-	-	45	194	H
4	5.469	43.63	Pk	34.7	-23.8	0	54.53	-	-	68.2	-13.67	45	194	H
3	5.47	40.19	Pk	34.7	-23.8	0	51.09	-	-	68.2	-17.11	45	194	H
7	5.47	34.24	RMS	34.7	-23.8	.1	45.24	-	-	-	-	45	194	H
8	5.47	35.12	RMS	34.7	-23.8	.1	46.12	-	-	-	-	45	194	H

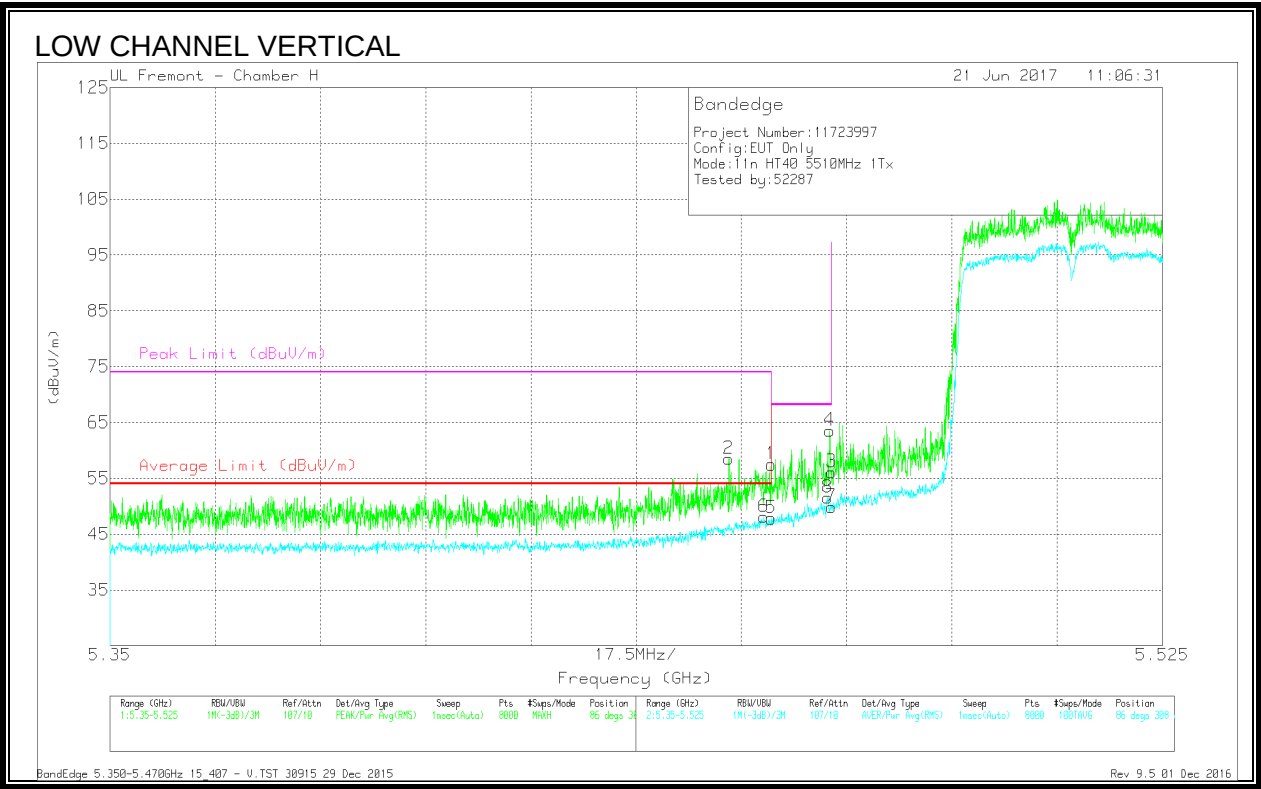
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

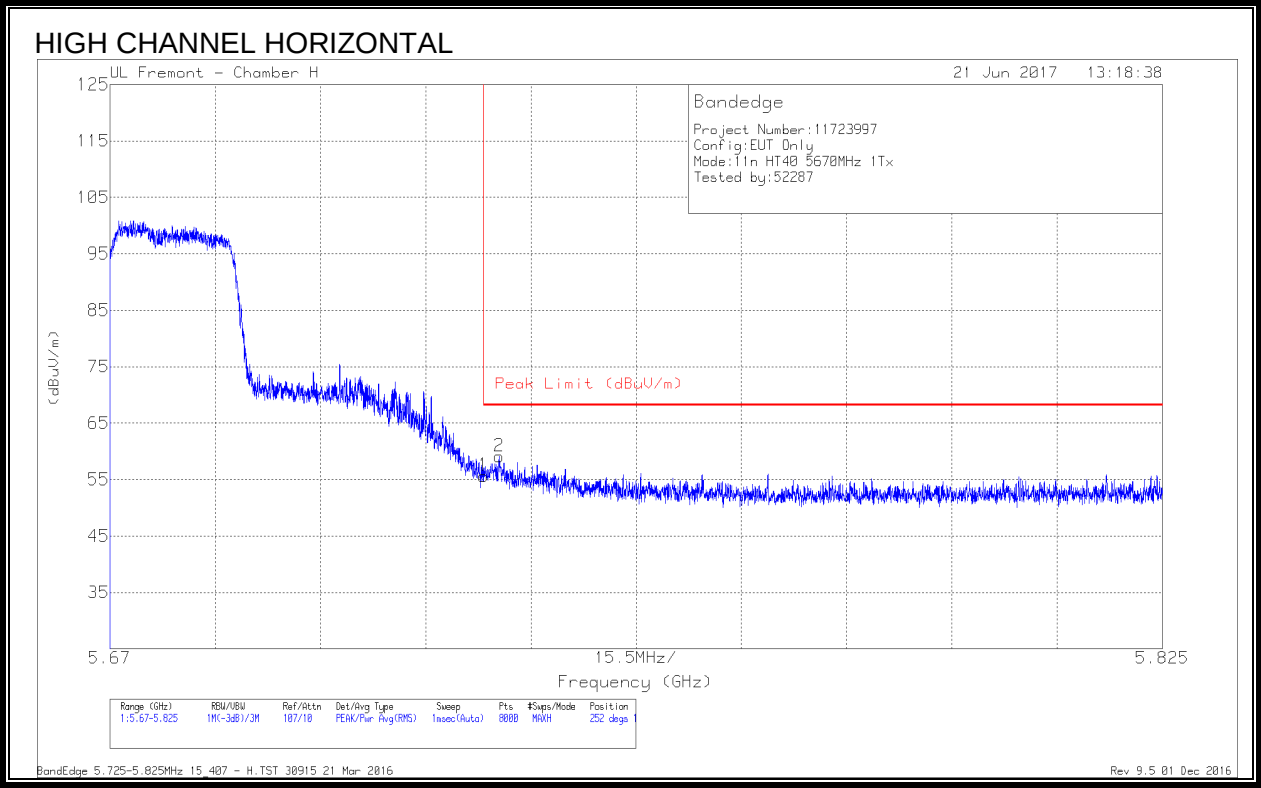
BandEdge 5.350-5.470GHz 15_407 - H.TST 30915 29 Dec 2015

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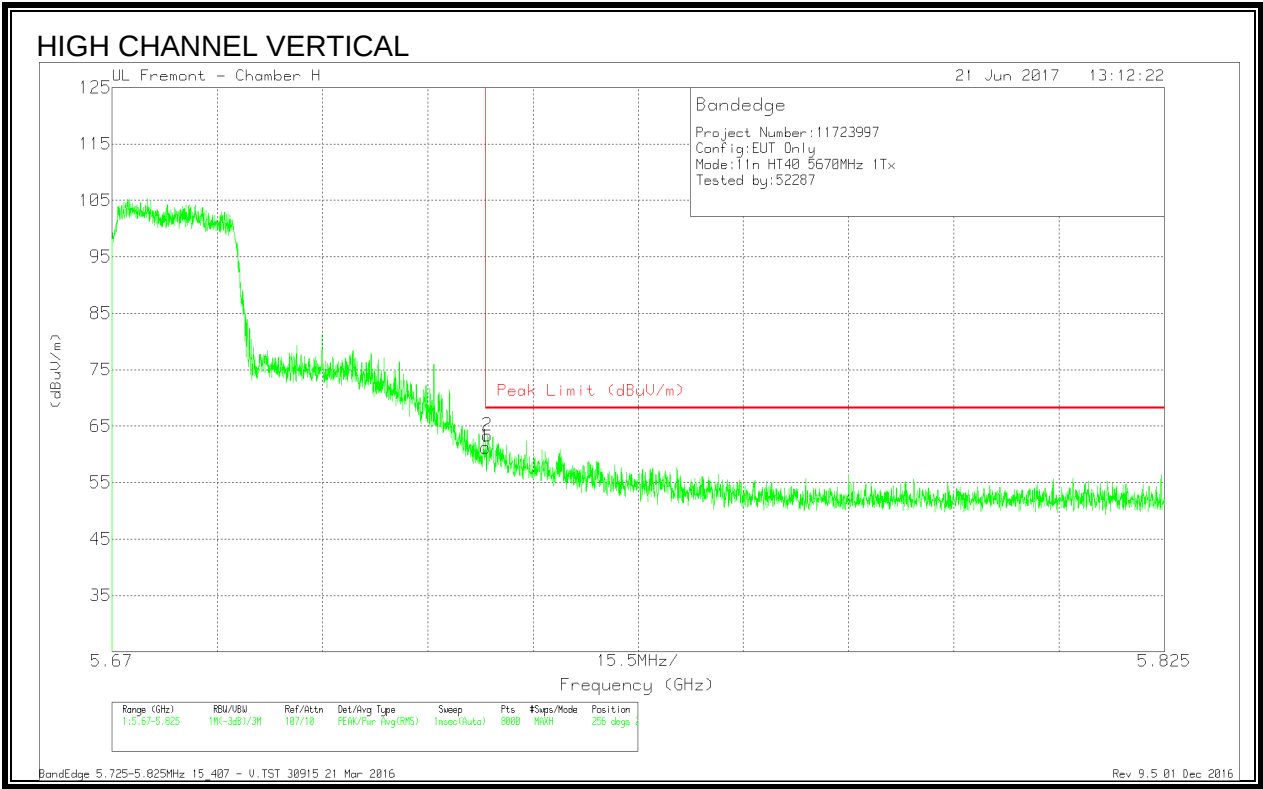
Marker	Frequen- cy (GHz)	Meter Readin- g (dBuV)	Det	AF T344 (dB/m)	Amp/C bi/Filtr/ Pad (dB)	DC Corr (dB)	Correc- ted Readin- g (dBuV/ m)	Averag- e Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimu- t h (Degs)	Height (cm)	Polarit- y
2	* 5.453	47.62	Pk	34.7	-23.8	0	58.52	-	-	74	-15.48	86	308	V
6	* 5.459	37.13	RMS	34.7	-23.8	.1	48.13	54	-5.87	-	-	86	308	V
1	* 5.46	46.58	Pk	34.7	-23.8	0	57.48	-	-	74	-16.52	86	308	V
5	* 5.46	36.84	RMS	34.7	-23.8	.1	47.84	54	-6.16	-	-	86	308	V
8	5.469	40.56	RMS	34.7	-23.8	.1	51.56	-	-	-	-	86	308	V
3	5.47	45.22	Pk	34.7	-23.8	0	56.12	-	-	68.2	-12.08	86	308	V
4	5.47	52.66	Pk	34.7	-23.8	0	63.56	-	-	68.2	-4.64	86	308	V
7	5.47	38.9	RMS	34.7	-23.8	.1	49.9	-	-	-	-	86	308	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection
BandEdge 5.350-5.470GHz 15_407 - V.TST 30915 29 Dec 2015
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Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	44.05	Pk	35.1	-23.5	0	55.65	68.2	-12.55	252	107	H
2	5.727	47.51	Pk	35.1	-23.5	0	59.11	68.2	-9.09	252	107	H

Pk - Peak detector
BandEdge 5.725-5.825MHz 15_407 - H.TST 30915 21 Mar 2016
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Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/CbI/Filtr/Pad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	49.63	Pk	35.1	-23.5	0	61.23	68.2	-6.97	256	277	V
2	5.725	51.73	Pk	35.1	-23.5	0	63.33	68.2	-4.87	256	277	V

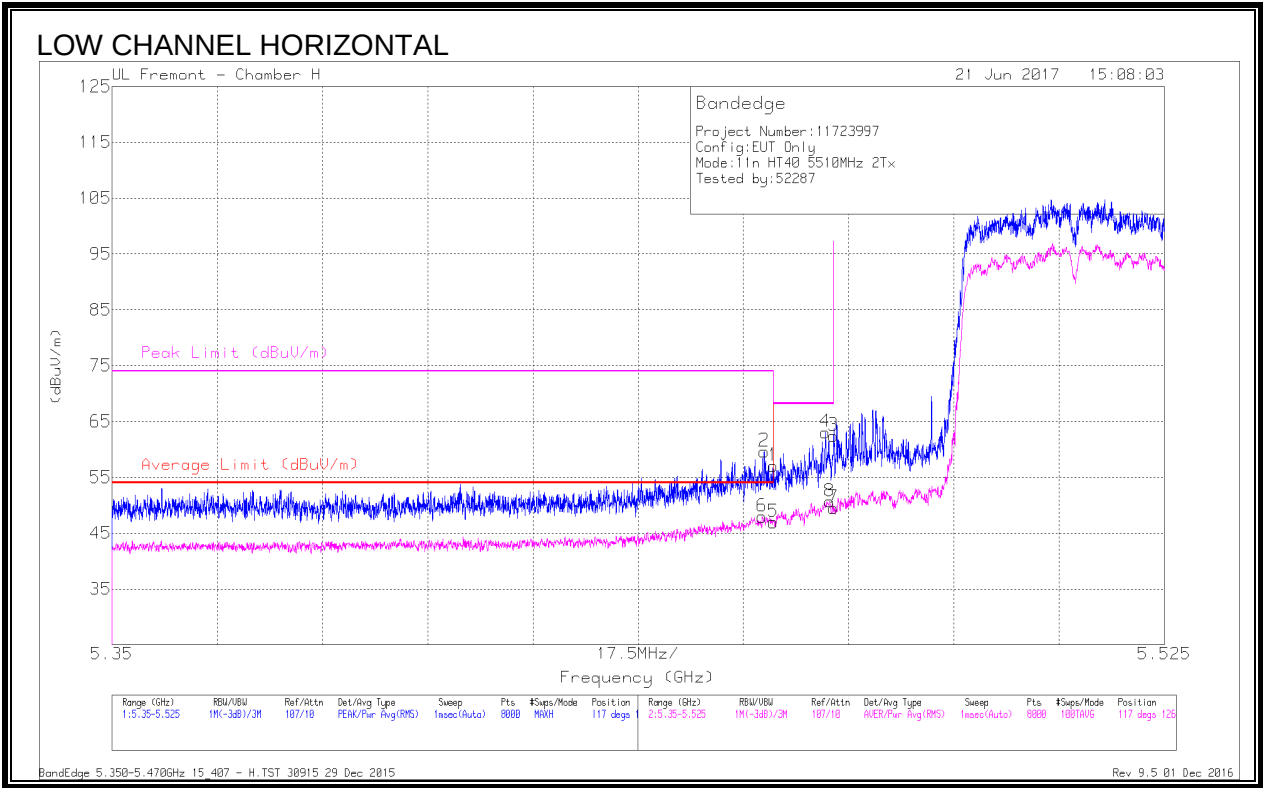
Pk - Peak detector
BandEdge 5.725-5.825MHz 15_407 - V.TST 30915 21 Mar 2016
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HARMONICS AND SPURIOUS EMISSIONS

NOTES: Covered by 11n HT40 2Tx

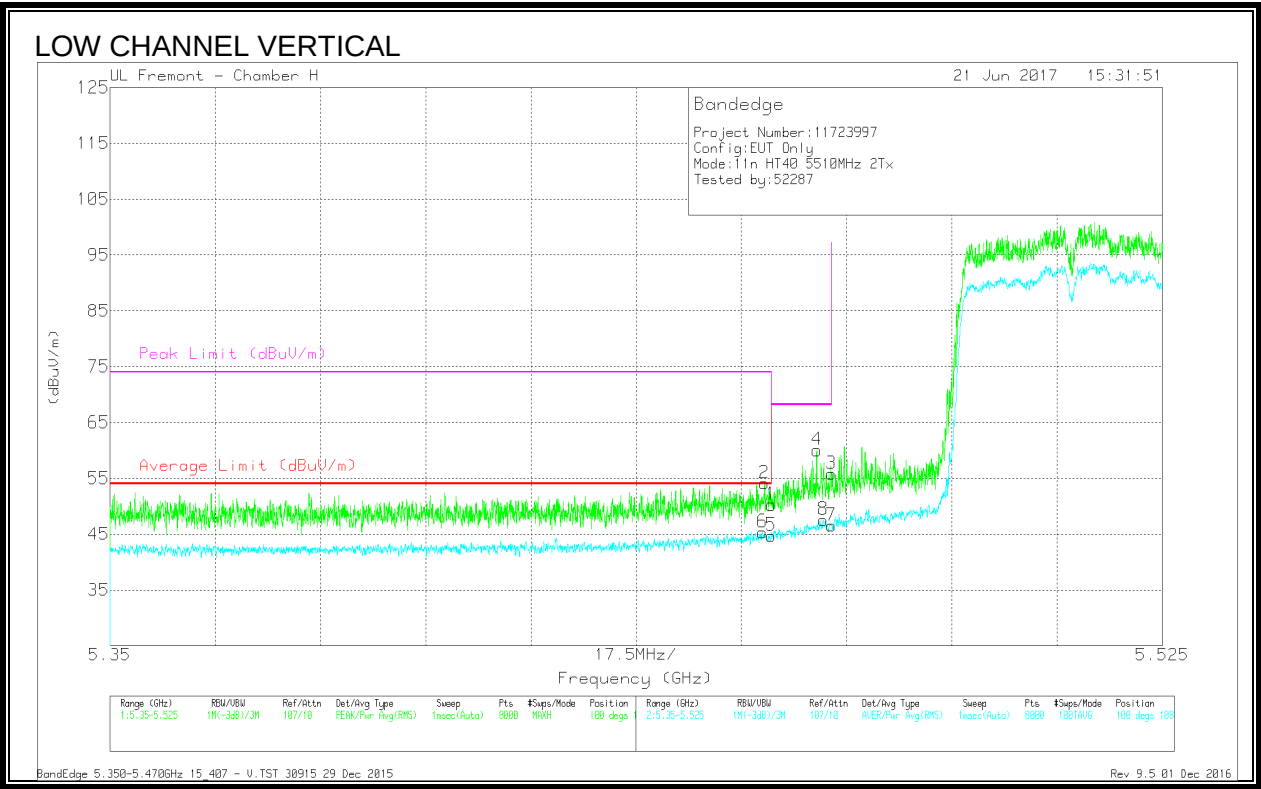
9.1.27. 11n HT40 2TX CDD MIMO MODE IN THE 5.6GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cb l/Fitr/P ad (dB)	DC Corr (dB)	Correct ed Reading (dBuV/ m)	Average Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.458	48.74	Pk	34.7	-23.8	0	59.64	-	-	74	-14.36	117	126	H
6	* 5.458	36.95	RMS	34.7	-23.8	.1	47.95	54	-6.05	-	-	117	126	H
1	* 5.46	46.16	Pk	34.7	-23.8	0	57.06	-	-	74	-16.94	117	126	H
5	* 5.46	35.98	RMS	34.7	-23.8	.1	46.98	54	-7.02	-	-	117	126	H
4	5.469	52.19	Pk	34.7	-23.8	0	63.09	-	-	68.2	-5.11	117	126	H
8	5.469	39.7	RMS	34.7	-23.8	.1	50.7	-	-	-	-	117	126	H
3	5.47	51.54	Pk	34.7	-23.8	0	62.44	-	-	68.2	-5.76	117	126	H
7	5.47	38.52	RMS	34.7	-23.8	.1	49.52	-	-	-	-	117	126	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection
BandEdge 5.350-5.470GHz 15_407 - H.TST 30915 29 Dec 2015
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Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T344 (dBm)	Ampl/Chl/Ftr/Pad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6	* 5.458	34.34	RMS	34.7	-23.8	.1	45.34	54	-8.66	-	-	100	108	V
2	* 5.459	43.18	Pk	34.7	-23.8	0	54.08	-	-	74	-19.92	100	108	V
1	* 5.46	39.37	Pk	34.7	-23.8	0	50.27	-	-	74	-23.73	100	108	V
5	* 5.46	33.74	RMS	34.7	-23.8	.1	44.74	54	-9.26	-	-	100	108	V
4	5.468	49.16	Pk	34.7	-23.8	0	60.06	-	-	68.2	-8.14	100	108	V
8	5.469	36.55	RMS	34.7	-23.8	.1	47.55	-	-	-	-	100	108	V
3	5.47	44.9	Pk	34.7	-23.8	0	55.8	-	-	68.2	-12.4	100	108	V
7	5.47	35.53	RMS	34.7	-23.8	.1	46.53	-	-	-	-	100	108	V

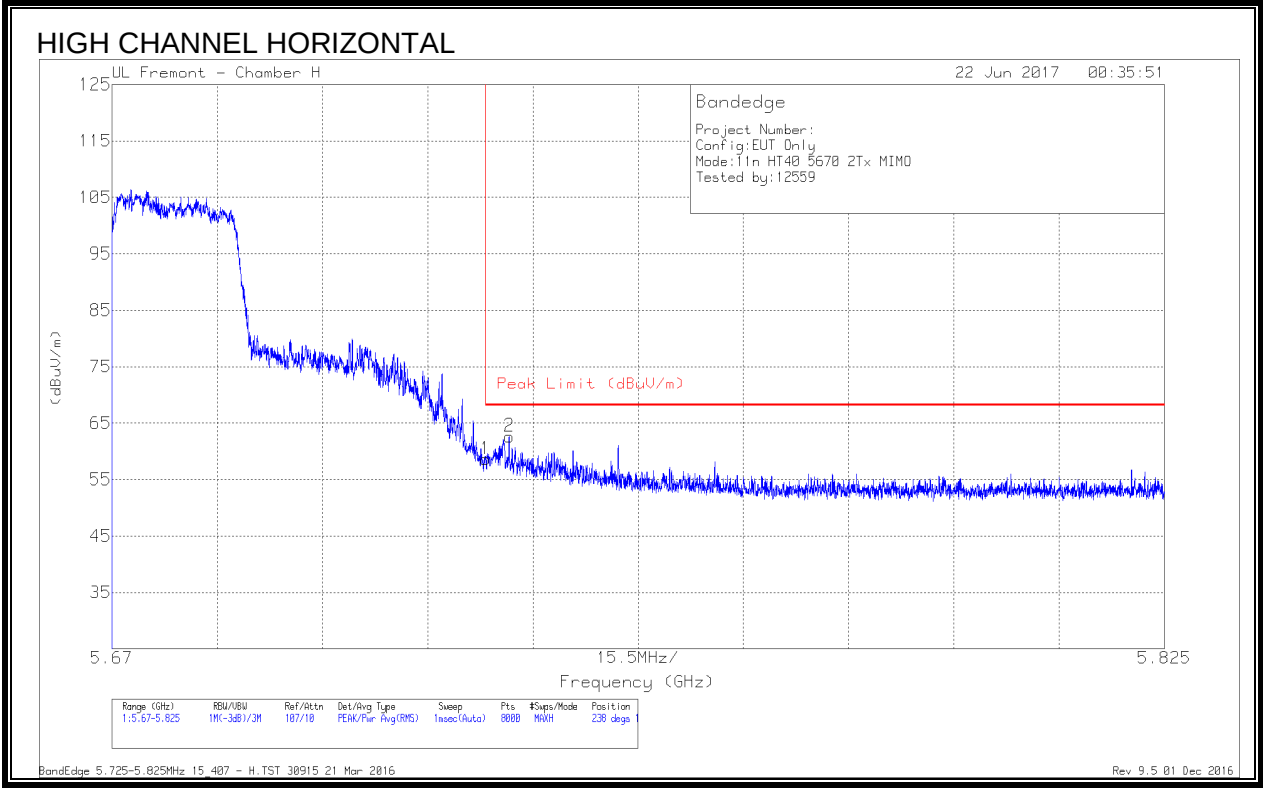
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

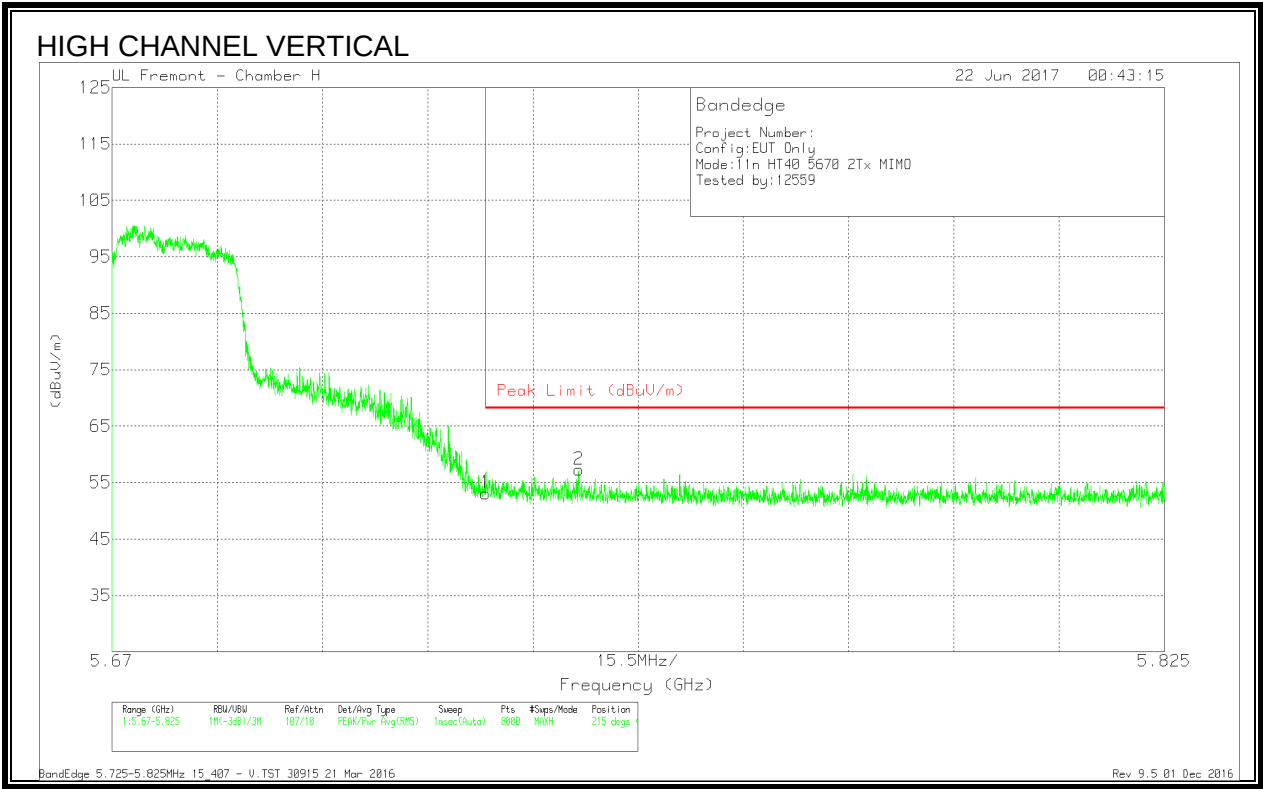
BandEdge 5.350-5.470GHz 15_407 - V.TST 30915 29 Dec 2015

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Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Correcte d Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	47.03	Pk	35.1	-23.5	58.63	68.2	-9.57	238	107	H
2	5.728	51.03	Pk	35.1	-23.5	62.63	68.2	-5.57	238	107	H

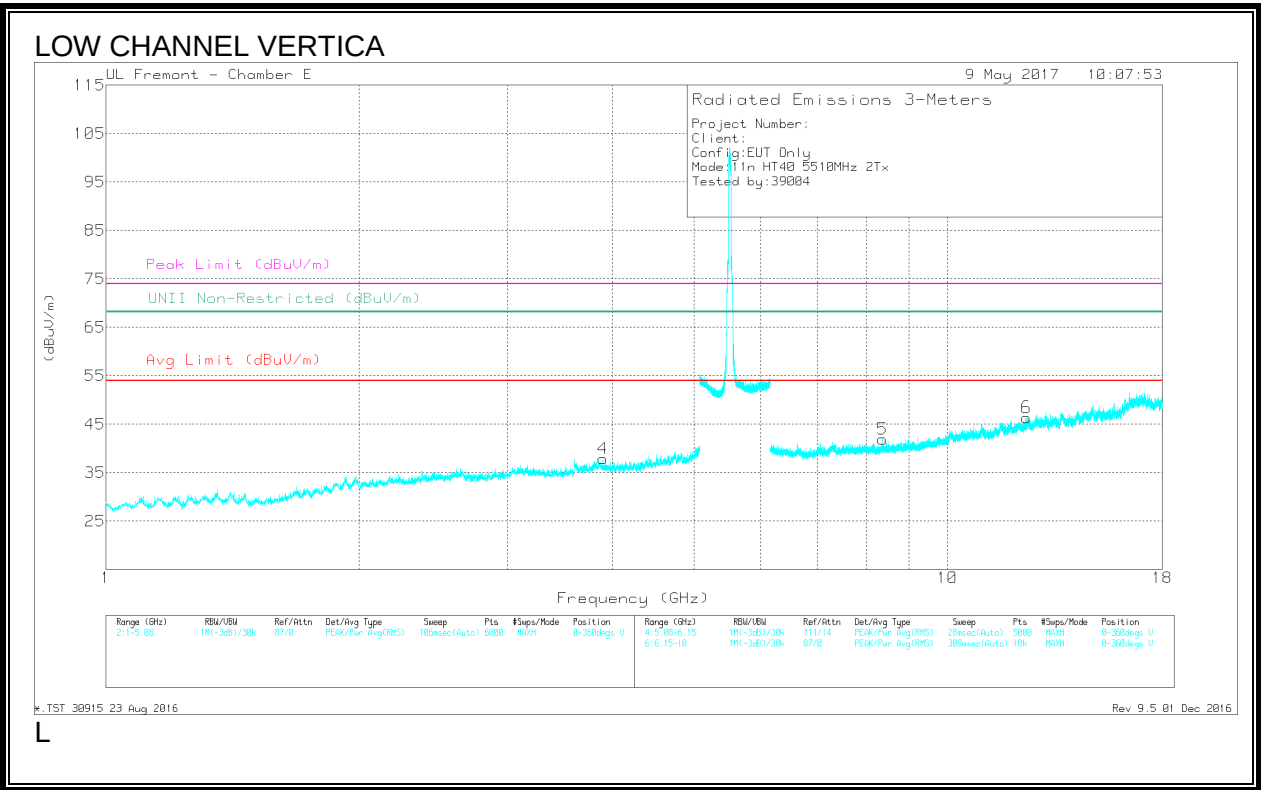
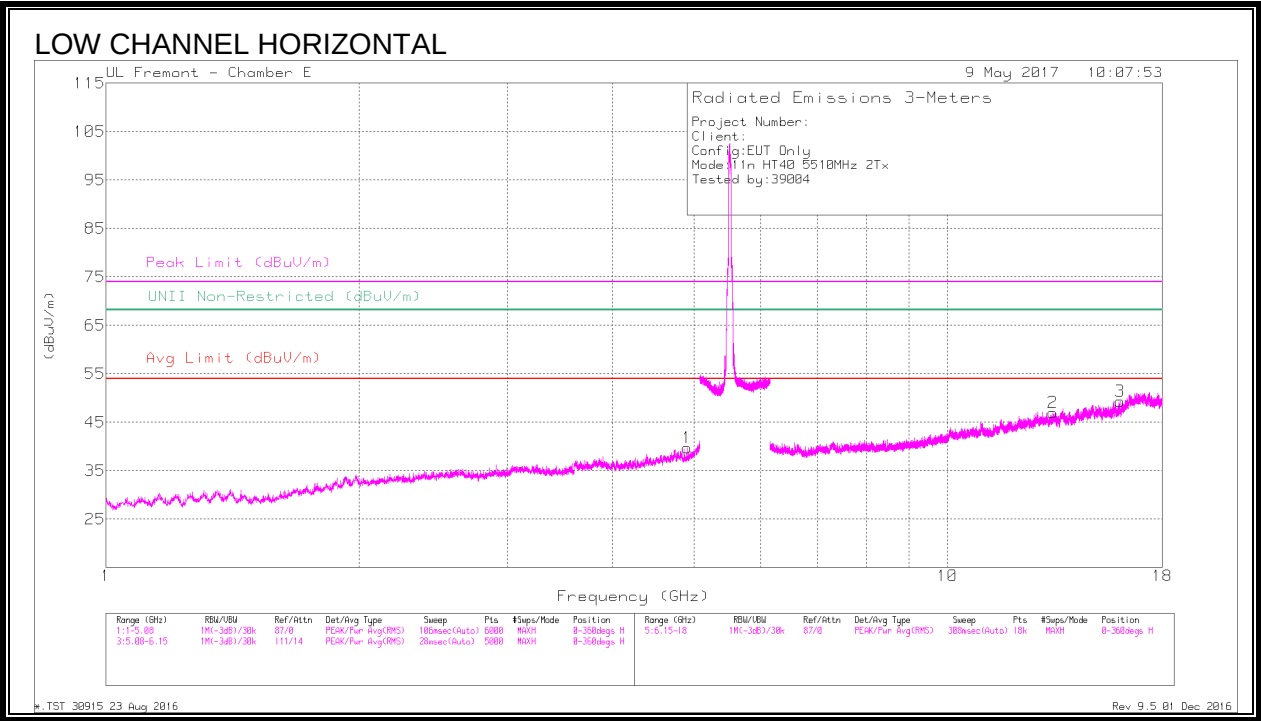
Pk - Peak detector
BandEdge 5.725-5.825MHz 15_407 - H.TST 30915 21 Mar 2016
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Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Correcte d Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	41.53	Pk	35.1	-23.5	53.13	68.2	-15.07	215	401	V
2	5.739	45.7	Pk	35.1	-23.5	57.3	68.2	-10.9	215	401	V

Pk - Peak detector
BandEdge 5.725-5.825MHz 15_407 - V.TST 30915 21 Mar 2016
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HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.904	40.1	PK-U	34.2	-29.3	0	45	-	-	74	-29	-	-	17	171	H
	* 4.904	28.72	ADR	34.2	-29.4	.1	33.62	54	-20.38	-	-	-	-	17	171	H
4	* 3.897	41.7	PK-U	33.4	-30.6	0	44.5	-	-	74	-29.5	-	-	115	261	V
	* 3.899	29.93	ADR	33.4	-30.6	.1	32.83	54	-21.17	-	-	-	-	115	261	V
2	* 13.335	36.43	PK-U	39.7	-24.3	0	51.83	-	-	74	-22.17	-	-	135	149	H
	* 13.333	24.66	ADR	39.7	-24.4	.1	40.06	54	-14.04	-	-	-	-	135	149	H
3	* 16.043	37.42	PK-U	41.3	-23.5	0	55.22	-	-	74	-18.78	-	-	86	383	H
	* 16.042	25.56	ADR	41.3	-23.5	.1	43.46	54	-10.54	-	-	-	-	86	383	H
5	* 8.371	38.79	PK-U	36	-26.5	0	48.29	-	-	74	-25.71	-	-	278	311	V
	* 8.373	26.7	ADR	36	-26.5	.1	36.3	54	-17.7	-	-	-	-	278	311	V
6	* 12.411	37.95	PK-U	39.2	-24.2	0	52.95	-	-	74	-21.05	-	-	105	326	V
	* 12.414	25.93	ADR	39.2	-24.1	.1	41.13	54	-12.87	-	-	-	-	105	326	V

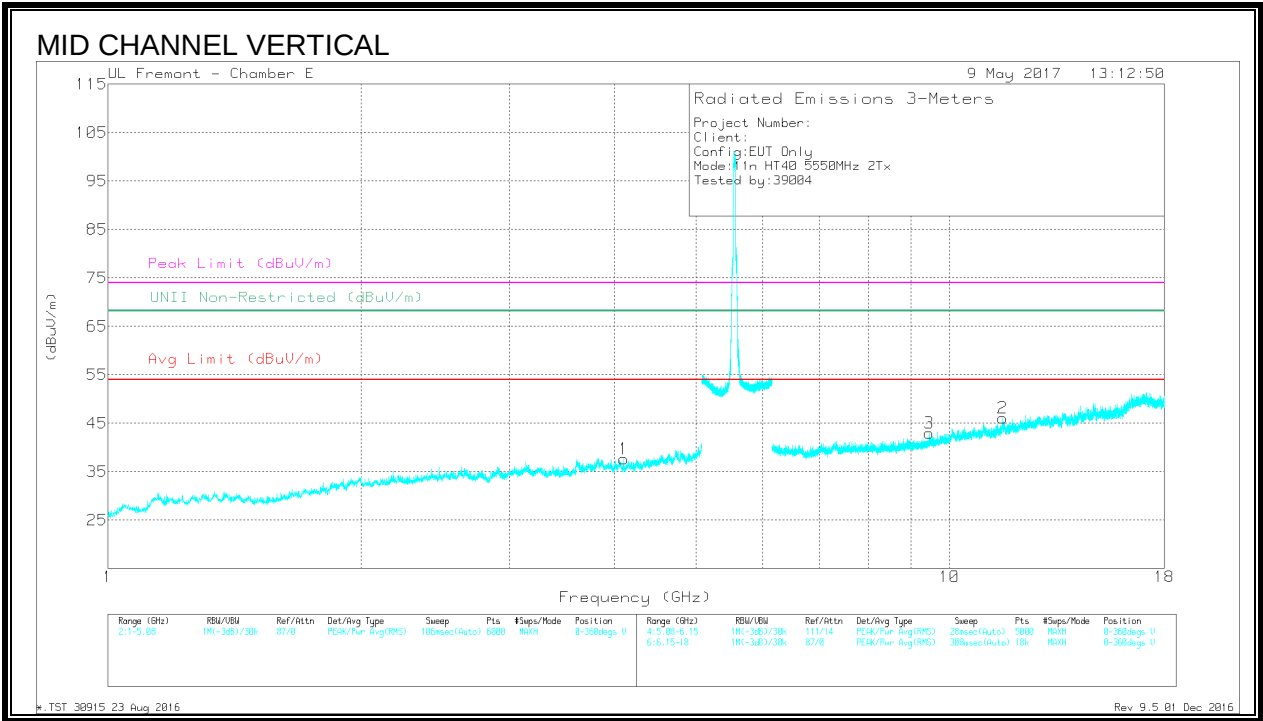
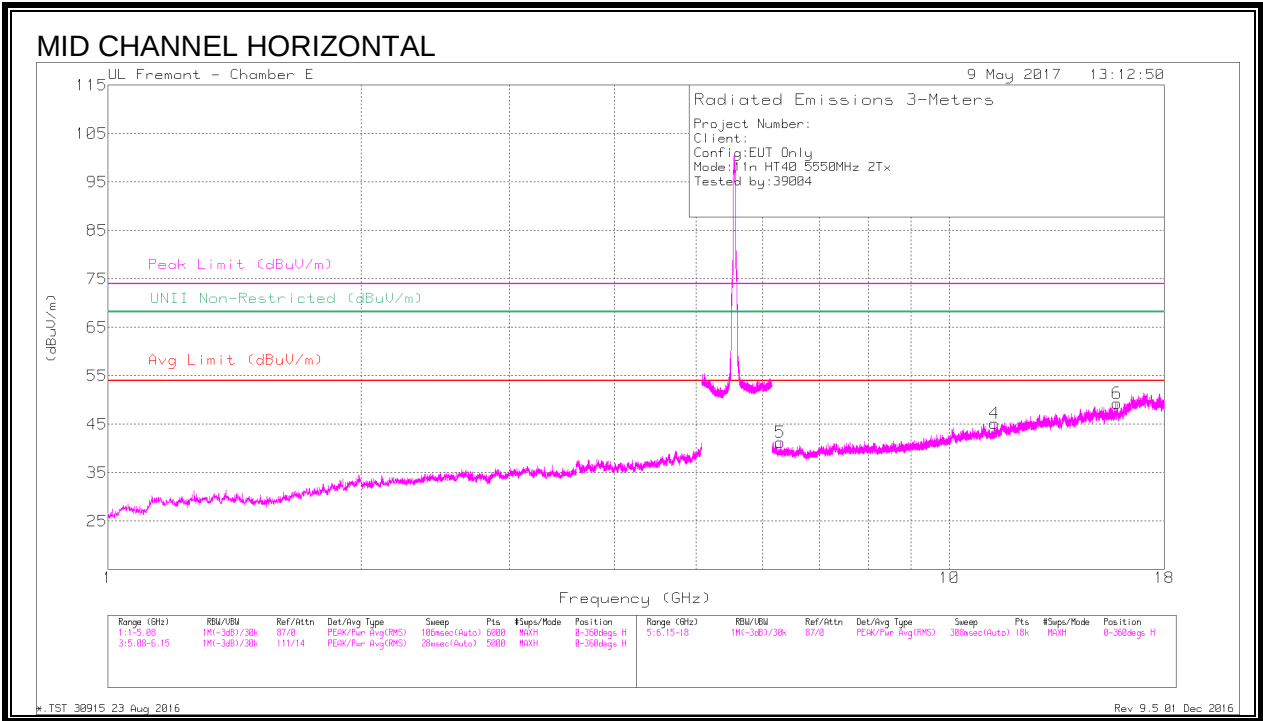
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

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DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.101	41.66	PK-U	33.5	-30.6	0	44.56	-	-	74	-29.44	-	-	222	306	V
	* 4.103	29.88	ADR	33.5	-30.6	.1	32.88	54	-21.12	-	-	-	-	222	306	V
4	* 11.312	36.96	PK-U	37.8	-24	0	50.76	-	-	74	-23.24	-	-	297	372	H
	* 11.315	25.08	ADR	37.8	-24	.1	38.98	54	-15.02	-	-	-	-	297	372	H
6	* 15.819	37.48	PK-U	40.9	-22.9	0	55.48	-	-	74	-18.52	-	-	217	356	H
	* 15.821	25.93	ADR	41	-22.9	.1	44.13	54	-9.87	-	-	-	-	217	356	H
2	* 11.578	35.94	PK-U	38.1	-21.9	0	52.14	-	-	74	-21.86	-	-	138	395	V
	* 11.579	24.45	ADR	38.1	-21.9	.1	40.75	54	-13.25	-	-	-	-	138	395	V
3	* 9.467	37.58	PK-U	36.6	-25.3	0	48.88	-	-	74	-25.12	-	-	135	257	V
	* 9.467	25.59	ADR	36.6	-25.3	.1	36.99	54	-17.01	-	-	-	-	135	257	V
5	6.295	40	PK-U	35.6	-28.5	0	47.1	-	-	-	-	68.2	-21.1	271	173	H

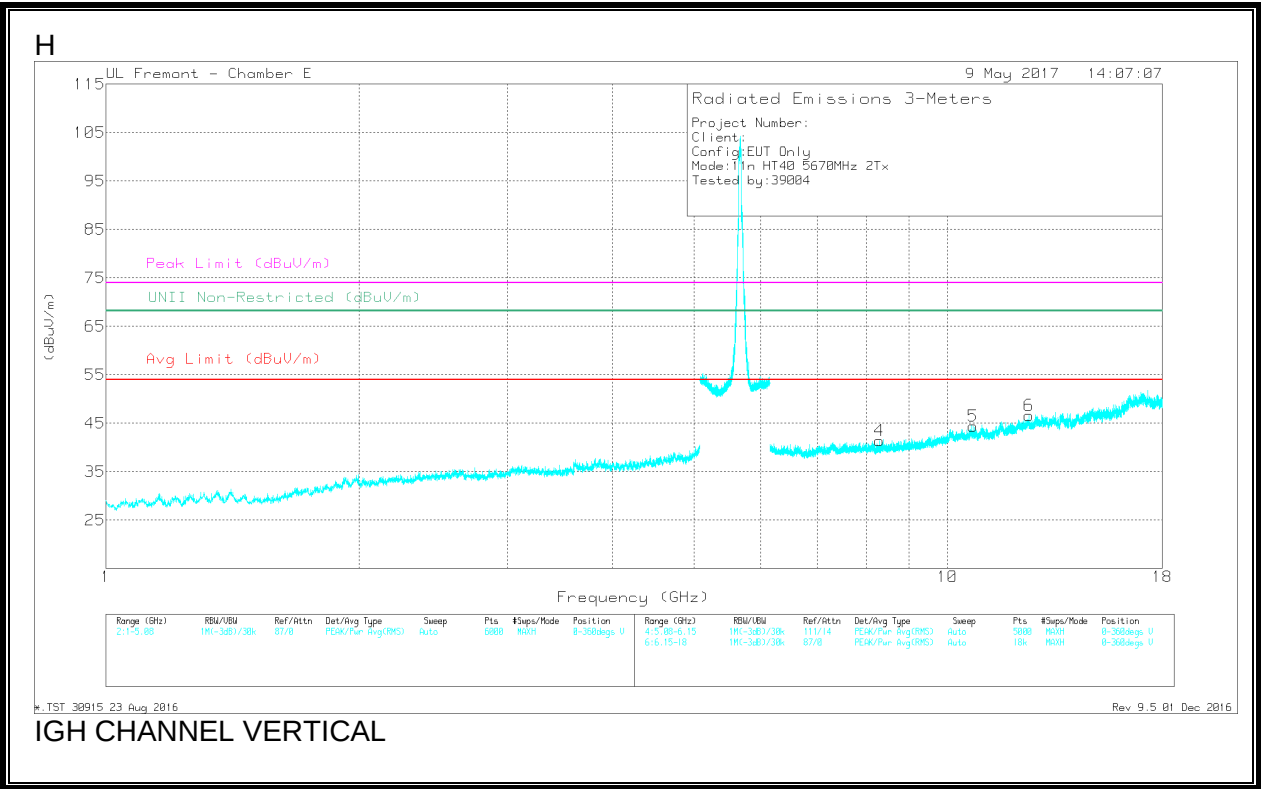
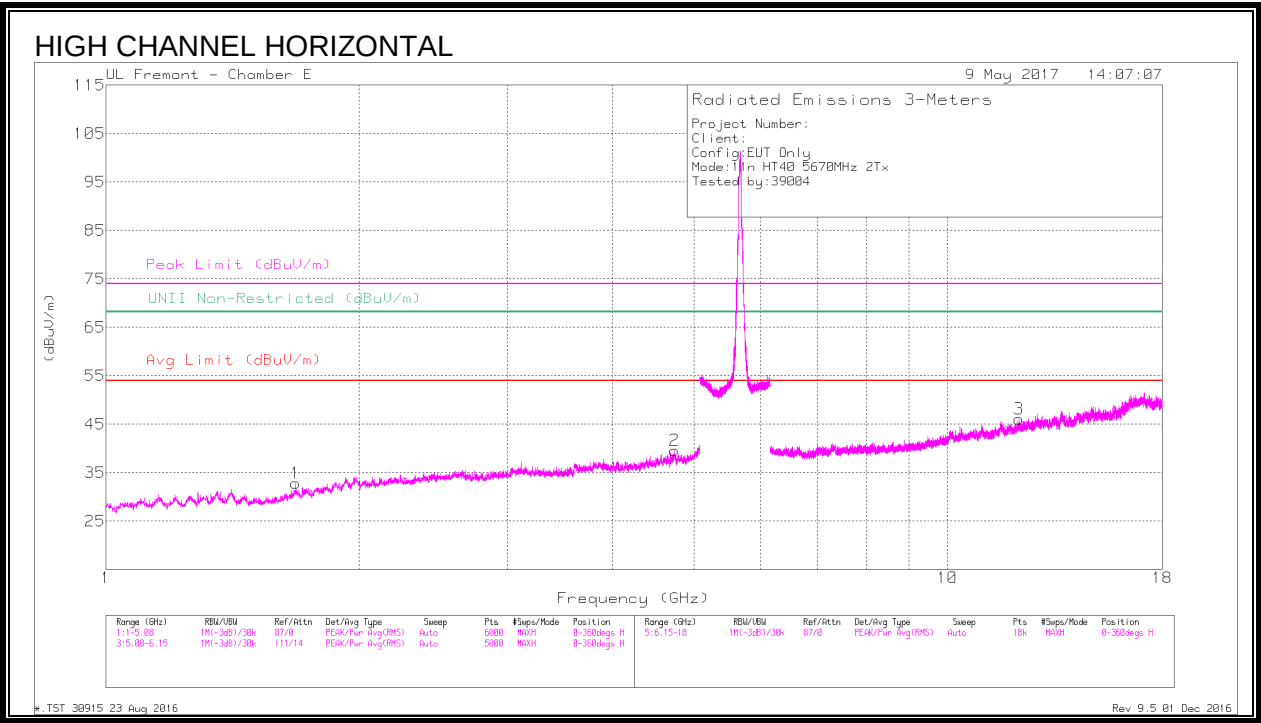
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

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DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.679	43.55	PK-U	29	-33.6	0	38.95	-	-	74	-35.05	-	-	329	334	H
	* 1.679	31.48	ADR	29	-33.6	.1	26.98	54	-27.02	-	-	-	-	329	334	H
2	* 4.742	40.53	PK-U	34.3	-29	0	45.83	-	-	74	-28.17	-	-	359	199	H
	* 4.743	29.25	ADR	34.3	-29	.1	34.65	54	-19.35	-	-	-	-	359	199	H
3	* 12.161	36.89	PK-U	39.1	-23.5	0	52.49	-	-	74	-21.51	-	-	250	142	H
	* 12.162	25.23	ADR	39.2	-23.5	.1	41.03	54	-12.97	-	-	-	-	250	142	H
4	* 8.301	38.44	PK-U	36.1	-26.9	0	47.64	-	-	74	-26.36	-	-	150	263	V
	* 8.301	26.81	ADR	36.1	-26.9	.1	36.11	54	-18.09	-	-	-	-	150	263	V
5	* 10.729	37.25	PK-U	37.6	-23.5	0	51.35	-	-	74	-22.65	-	-	250	137	V
	* 10.731	24.88	ADR	37.6	-23.6	.1	38.98	54	-15.02	-	-	-	-	250	137	V
6	* 12.487	36.53	PK-U	39.3	-23.3	0	52.53	-	-	74	-21.47	-	-	56	329	V
	* 12.49	25.32	ADR	39.3	-23.4	.1	41.32	54	-12.68	-	-	-	-	56	329	V

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

PK-U - U-NII: Maximum Peak

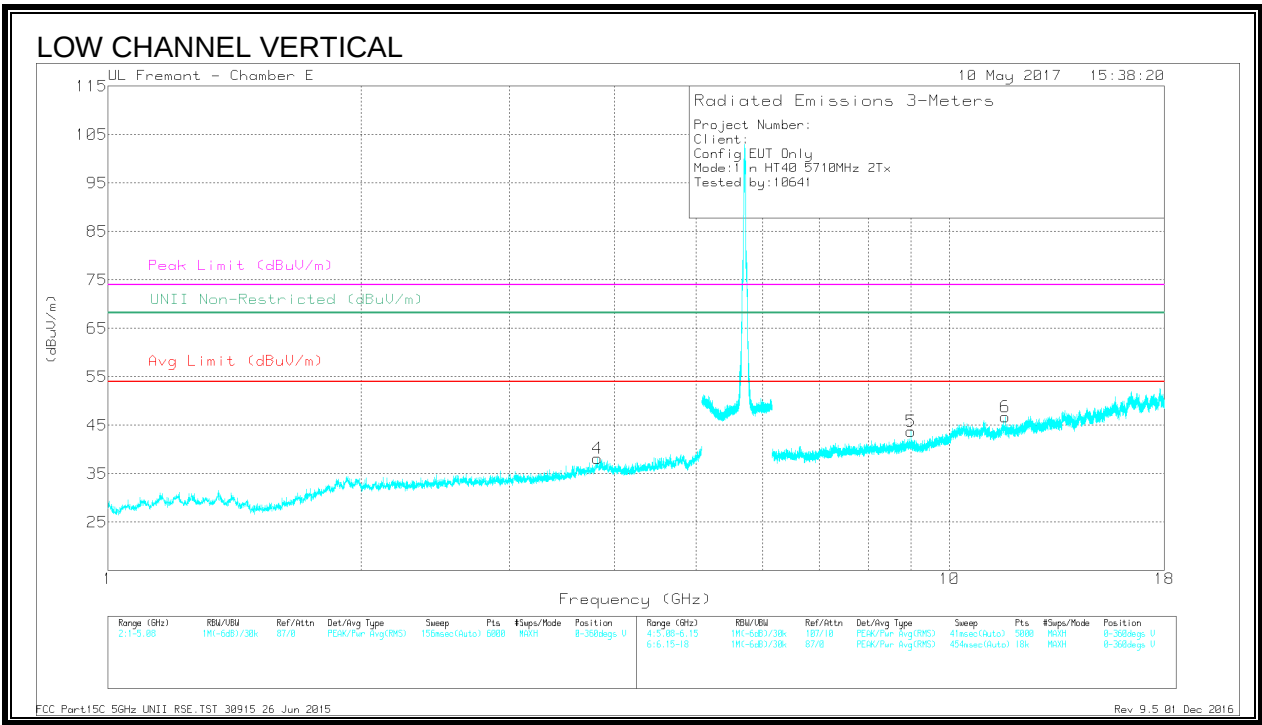
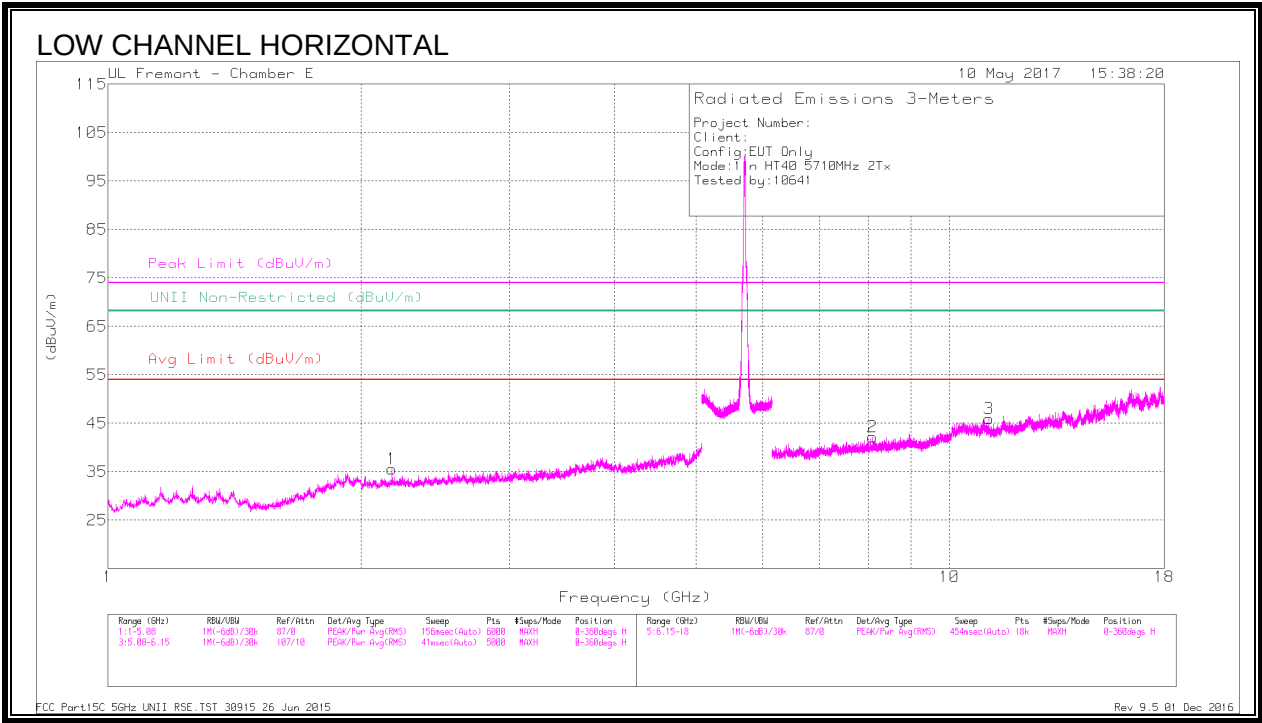
ADR - U-NII AD primary method, RMS average

*.TST 30915 23 Aug 2016

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9.1.28. 11ac HT40 2TX CDD MIMO STRADDLE CHANNEL 142

HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequen cy (GHz)	Meter Readin g (dBuV)	Det	AF T136 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	DC Corr (dB)	Correct ed Readin g (dBuV/ m)	Avg Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	UNII Non- Restrict ed (dBuV/ m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 3.815	39.72	PK-U	34.4	-29.8	0	44.32	-	-	74	-29.68	-	-	191	253	V
	* 3.816	27.96	ADR	34.4	-29.8	.1	32.66	54	-21.34	-	-	-	-	191	253	V
2	* 8.104	36.75	PK-U	37.3	-26.7	0	47.35	-	-	74	-26.65	-	-	220	120	H
	* 8.104	25.68	ADR	37.3	-26.7	.1	36.38	54	-17.62	-	-	-	-	220	120	H
3	* 11.138	35.04	PK-U	39.3	-23.7	0	50.64	-	-	74	-23.36	-	-	230	230	H
	* 11.138	24.07	ADR	39.3	-23.7	.1	39.77	54	-14.23	-	-	-	-	230	230	H
6	* 11.642	35.19	PK-U	39.6	-23.8	0	50.99	-	-	74	-23.01	-	-	250	130	V
	* 11.643	24.48	ADR	39.6	-23.8	.1	40.38	54	-13.62	-	-	-	-	250	130	V
1	2.173	40.68	PK-U	32.1	-32.7	0	40.08	-	-	-	-	68.2	-28.12	270	220	H
5	8.994	36.81	PK-U	37.8	-26.2	0	48.41	-	-	-	-	68.2	-19.79	279	101	V

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

PK-U - U-NII: Maximum Peak

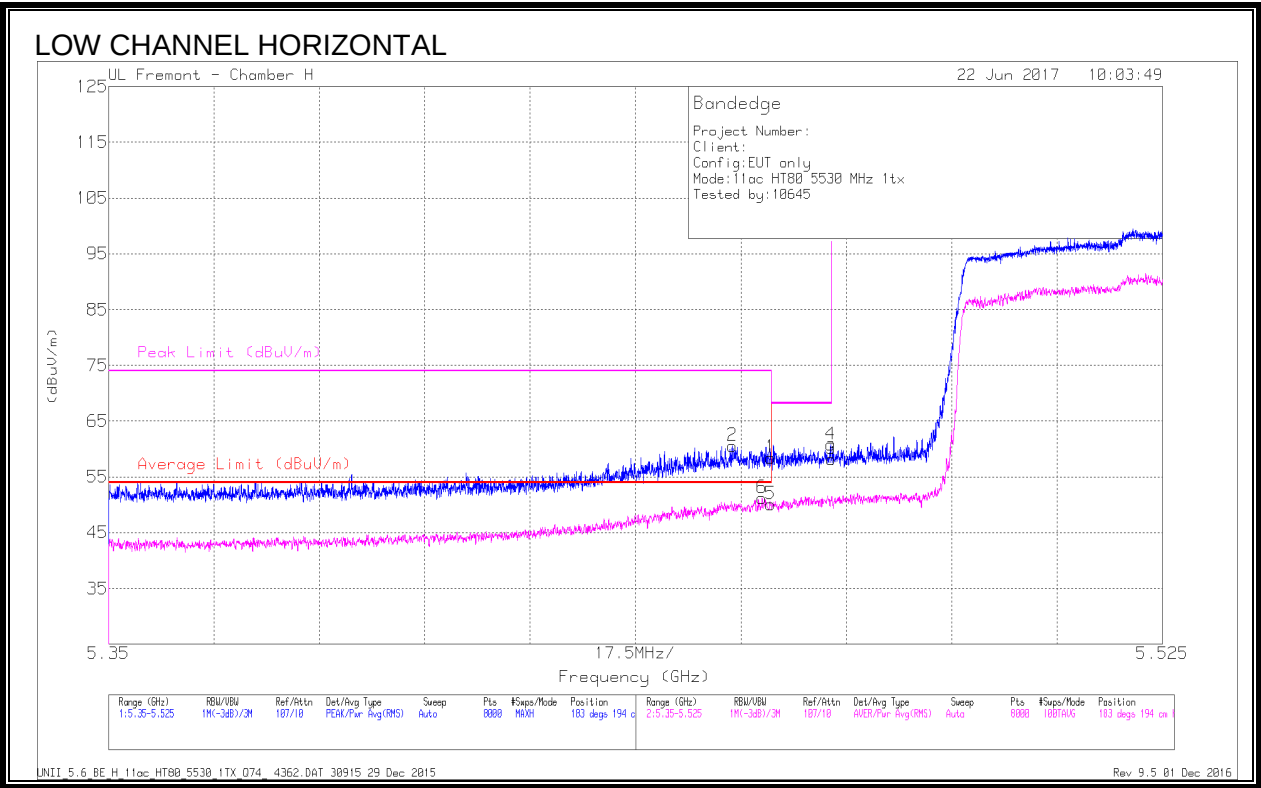
ADR - U-NII AD primary method, RMS average

FCC Part15C 5GHz UNII RSE.TST 30915 26 Jun 2015

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9.1.29. 11ac HT80 UAT 2 SISO MODE IN THE 5.6GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



Mark er	Frequen cy (GHz)	Meter Readin g (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	DC Corr (dB)	Correct ed Reading (dBuV/ m)	Average Limit (dBuV/m)	Margi n (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimet h (Degs)	Heigh t (cm)	Polarit y
1	* 5.46	47.52	Pk	34.7	-23.8	0	58.42	-	-	74	-15.58	183	194	H
2	* 5.454	49.7	Pk	34.7	-23.8	0	60.6	-	-	74	-13.4	183	194	H
5	* 5.46	39.15	RMS	34.7	-23.8	.2	50.25	54	-3.75	-	-	183	194	H
6	* 5.459	40.31	RMS	34.7	-23.8	.2	51.41	54	-2.59	-	-	183	194	H
3	5.47	47.24	Pk	34.7	-23.8		58.14	-	-	68.2	-10.06	183	194	H
4	5.47	49.86	Pk	34.7	-23.8		60.76	-	-	68.2	-7.44	183	194	H

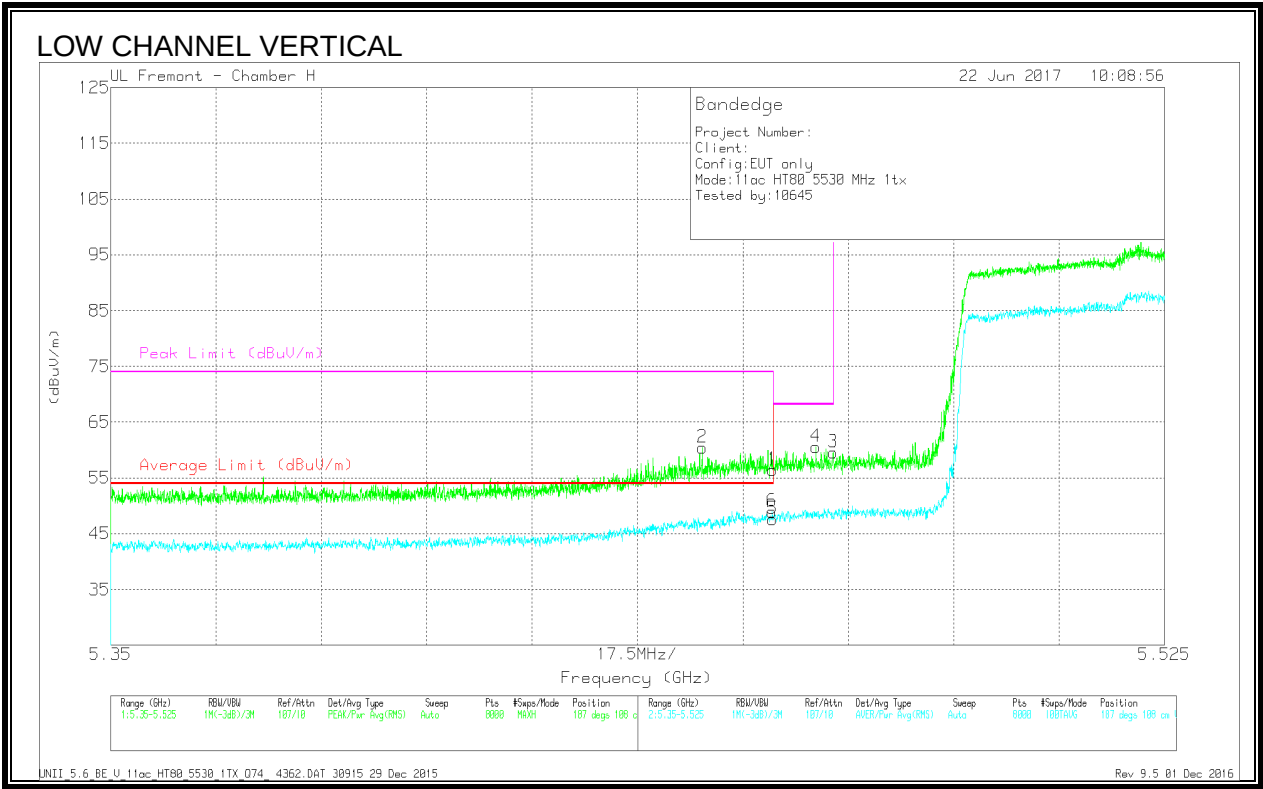
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

UNII 5.6 BE H 11ac HT80 5530 1TX Q74 4362.DAT 30915 29 Dec 2015

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Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fitr/P ad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	45.52	Pk	34.7	-23.8	0	56.42	-	-	74	-17.58	187	108	V
2	* 5.448	49.6	Pk	34.7	-23.9	0	60.4	-	-	74	-13.6	187	108	V
5	* 5.46	36.68	RMS	34.7	-23.8	.2	47.78	54	-6.22	-	-	187	108	V
6	* 5.46	38.13	RMS	34.7	-23.8	.2	49.23	54	-4.77	-	-	187	108	V
4	5.467	49.69	Pk	34.7	-23.8		60.59	-	-	68.2	-7.61	187	108	V
3	5.47	48.72	Pk	34.7	-23.8		59.62	-	-	68.2	-8.58	187	108	V

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

Pk - Peak detector

RMS - RMS detection

UNII_5.6_BE_V_11ac_HT80_5530_1TX_Q74_4362.DAT 30915 29 Dec 2015

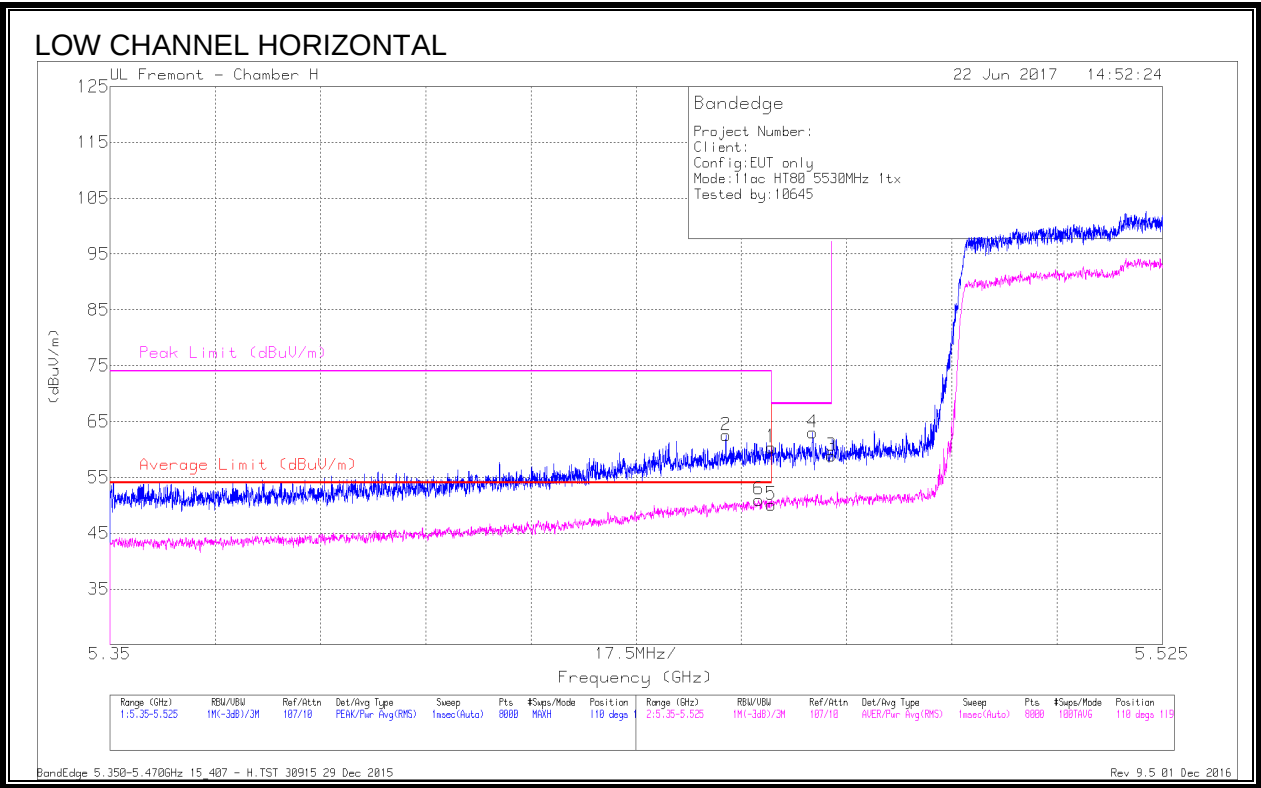
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HARMONICS AND SPURIOUS EMISSIONS

NOTES: Covered by 11ac VHT80 CDD 2TX Testing

9.1.30. 11ac HT80 LAT 3 SISO MODE IN THE 5.6GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	DC Corr (dB)	Correct ed Reading (dBuV/ m)	Average Limit (dBuV/m)	Margi n (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarit y
1	* 5.46	49.47	Pk	34.7	-23.8	0	60.37	-	-	74	-13.63	110	119	H
2	* 5.452	51.62	Pk	34.7	-23.8	0	62.52	-	-	74	-11.48	110	119	H
5	* 5.46	39.21	RMS	34.7	-23.8	.2	50.31	54	-3.69	-	-	110	119	H
6	* 5.458	40.1	RMS	34.7	-23.8	.2	51.2	54	-2.8	-	-	110	119	H
4	5.467	52.14	Pk	34.7	-23.8		63.04	-	-	68.2	-5.16	110	119	H
3	5.47	47.99	Pk	34.7	-23.8		58.89	-	-	68.2	-9.31	110	119	H

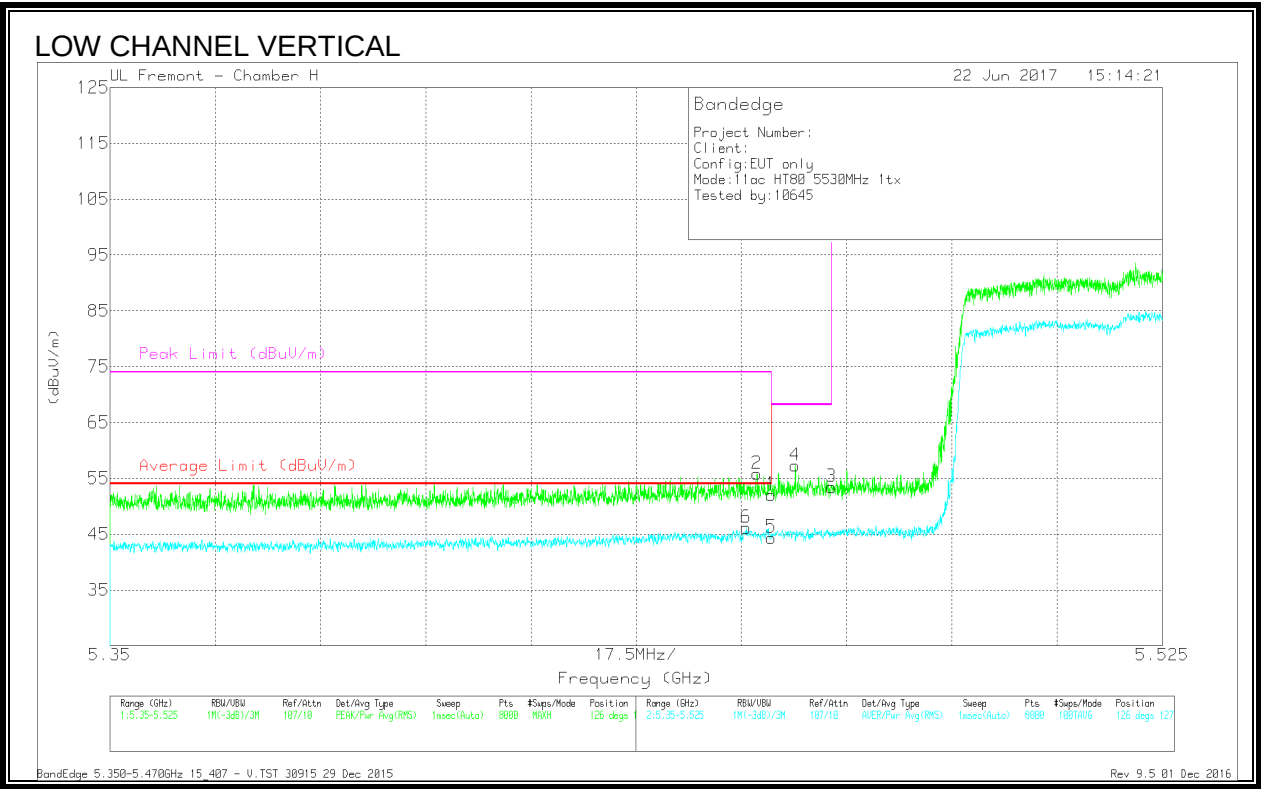
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BandEdge 5.350-5.470GHz 15_407 - H.TST 30915 29 Dec 2015

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Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	41.18	Pk	34.7	-23.8	0	52.08	-	-	74	-21.92	126	127	V
2	* 5.458	44.89	Pk	34.7	-23.8	0	55.79	-	-	74	-18.21	126	127	V
5	* 5.46	33.48	RMS	34.7	-23.8	.2	44.58	54	-9.42	-	-	126	127	V
6	* 5.456	35.23	RMS	34.7	-23.8	.2	46.33	54	-7.67	-	-	126	127	V
4	5.464	46.36	Pk	34.7	-23.8		57.26	-	-	68.2	-10.94	126	127	V
3	5.47	42.56	Pk	34.7	-23.8		53.46	-	-	68.2	-14.74	126	127	V

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

Pk - Peak detector

RMS - RMS detection

BandEdge 5.350-5.470GHz 15_407 - V.TST 30915 29 Dec 2015

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HARMONICS AND SPURIOUS EMISSIONS

NOTES: Covered by 11ac VHT80 CDD 2TX Testing

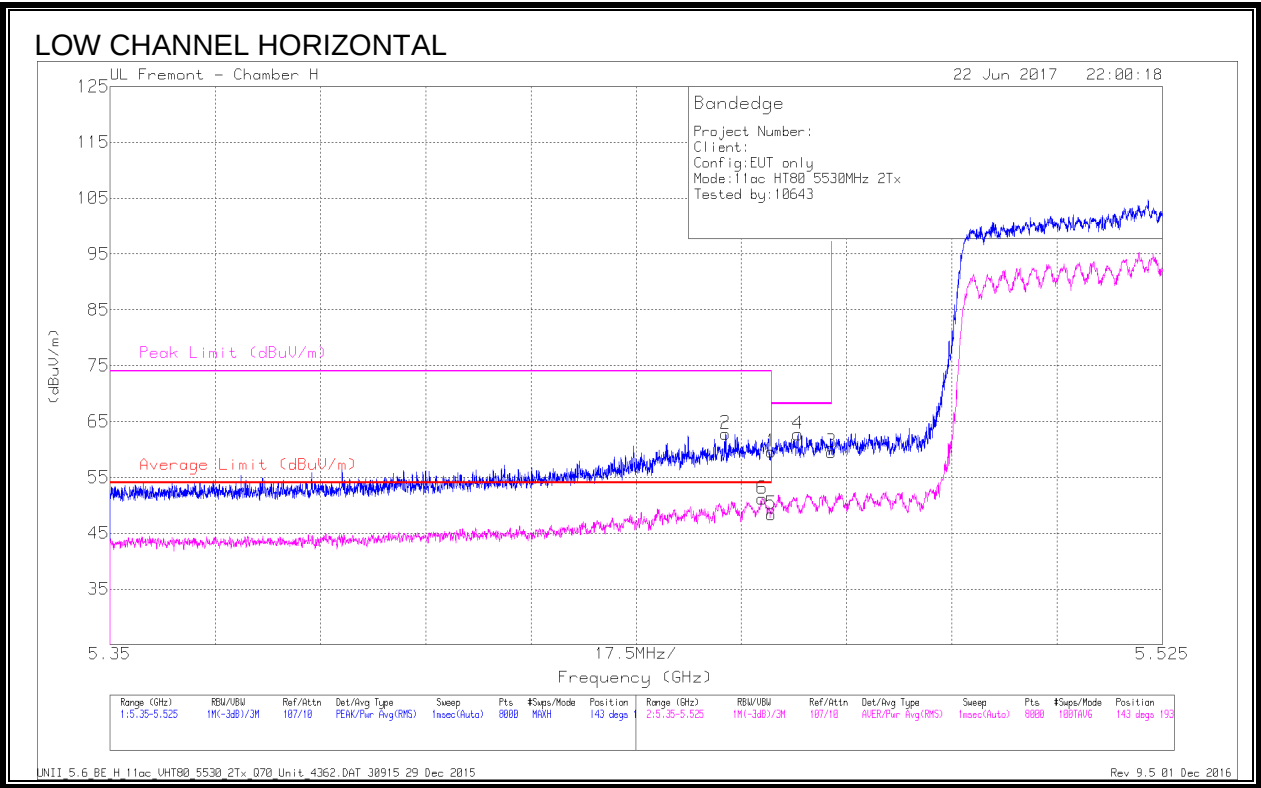
9.1.31. 11ac HT80 UAT 2 And LAT 3 SISO STRADDLE CHANNEL 138

HARMONICS AND SPURIOUS EMISSIONS

Note: Covered by 802.11ac HT80 2TX CDD mode Channel 138

9.1.32. 11ac HT80 2TX CDD MIMO MODE IN THE 5.6GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.452	51.93	Pk	34.7	-23.8	0	62.83	-	-	74	-11.17	143	193	H
6	* 5.458	40.29	RMS	34.7	-23.8	.2	51.39	54	-2.61	-	-	143	193	H
1	* 5.46	48.69	Pk	34.7	-23.8	0	59.59	-	-	74	-14.41	143	193	H
5	* 5.46	37.51	RMS	34.7	-23.8	.2	48.61	54	-5.39	-	-	143	193	H
4	5.464	51.84	Pk	34.7	-23.8		62.74	-	-	68.2	-5.46	143	193	H
3	5.47	48.63	Pk	34.7	-23.8		59.53	-	-	68.2	-8.67	143	193	H

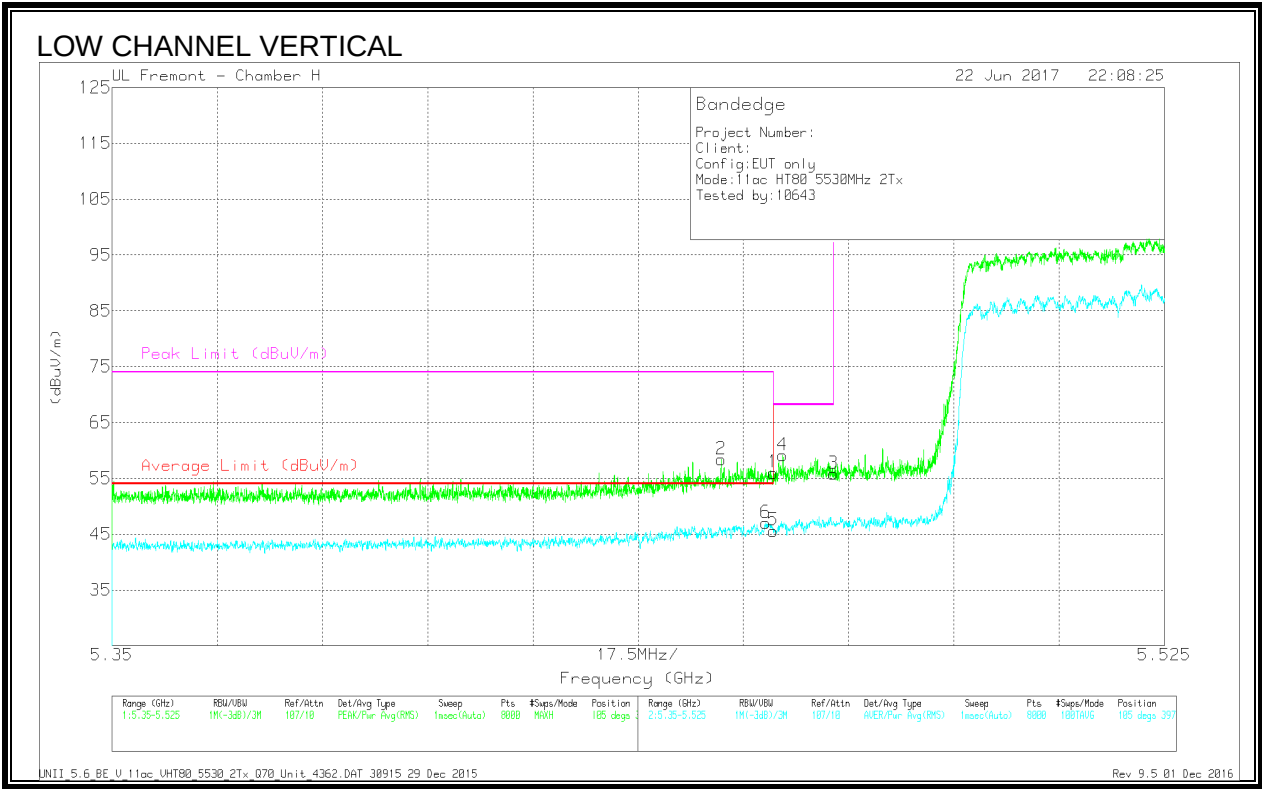
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

UNII 5.6 BE H 11ac VHT80 5530 2Tx Q70 Unit 4362.DAT 30915 29 Dec 2015

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Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.451	47.47	Pk	34.7	-23.8	0	58.37	-	-	74	-15.63	105	397	V
6	* 5.459	36.1	RMS	34.7	-23.8	.2	47.2	54	-6.8	-	-	105	397	V
1	* 5.46	45.11	Pk	34.7	-23.8	0	56.01	-	-	74	-17.99	105	397	V
5	* 5.46	34.72	RMS	34.7	-23.8	.2	45.82	54	-8.18	-	-	105	397	V
4	5.462	48.21	Pk	34.7	-23.8		59.11	-	-	68.2	-9.09	105	397	V
3	5.47	44.93	Pk	34.7	-23.8		55.83	-	-	68.2	-12.37	105	397	V

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

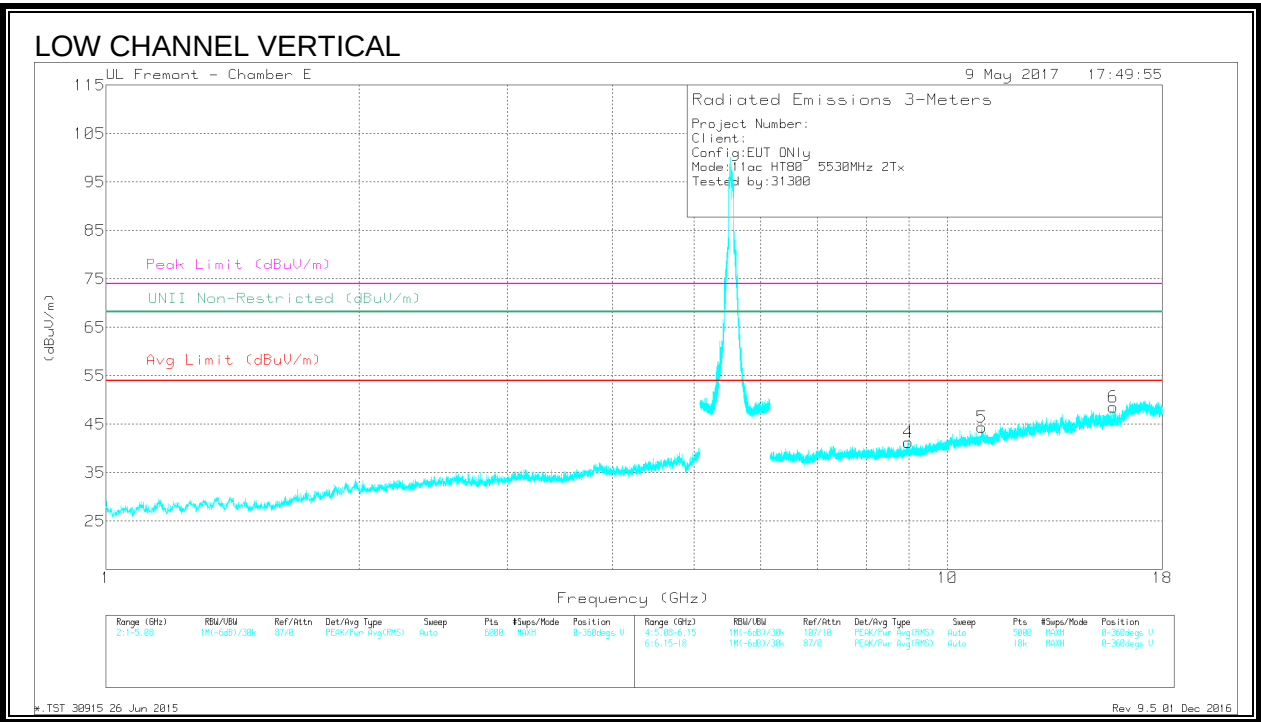
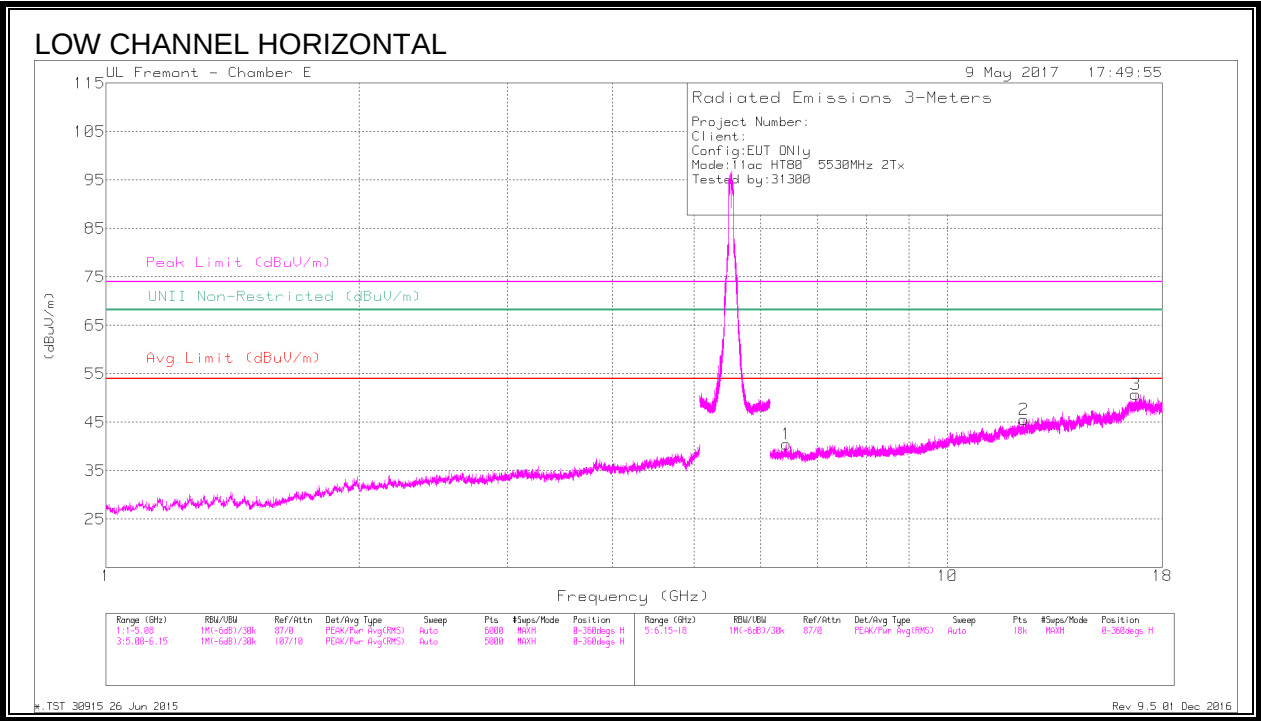
Pk - Peak detector

RMS - RMS detection

UNII_5.6_BE_V_11ac_VHT80_5530_2Tx_Q70_Unit_4362.DAT 30915 29 Dec 2015

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HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 12.319	35.46	PK-U	39.2	-23.9	0	50.76	-	-	74	-23.24	-	-	163	134	H
	* 12.32	24.08	ADR	39.2	-23.9	.2	39.58	54	-14.42	-	-	-	-	163	134	H
5	* 10.987	34.55	PK-U	37.6	-22.1	0	50.05	-	-	74	-23.95	-	-	115	318	V
	* 10.987	22.9	ADR	37.6	-22.1	.2	38.6	54	-15.4	-	-	-	-	115	318	V
6	* 15.732	36.3	PK-U	40.8	-21.6	0	55.5	-	-	74	-18.5	-	-	326	159	V
	* 15.733	24.2	ADR	40.8	-21.7	.2	43.5	54	-10.5	-	-	-	-	326	159	V
1	6.433	39.61	PK-U	35.6	-28.1	0	47.11	-	-	-	-	68.2	-21.09	40	207	H
4	8.988	36.24	PK-U	36.2	-26.2	0	46.24	-	-	-	-	68.2	-21.96	118	138	V
3	16.727	35.31	PK-U	42.5	-22.5	0	55.31	-	-	-	-	68.2	-12.89	302	372	H

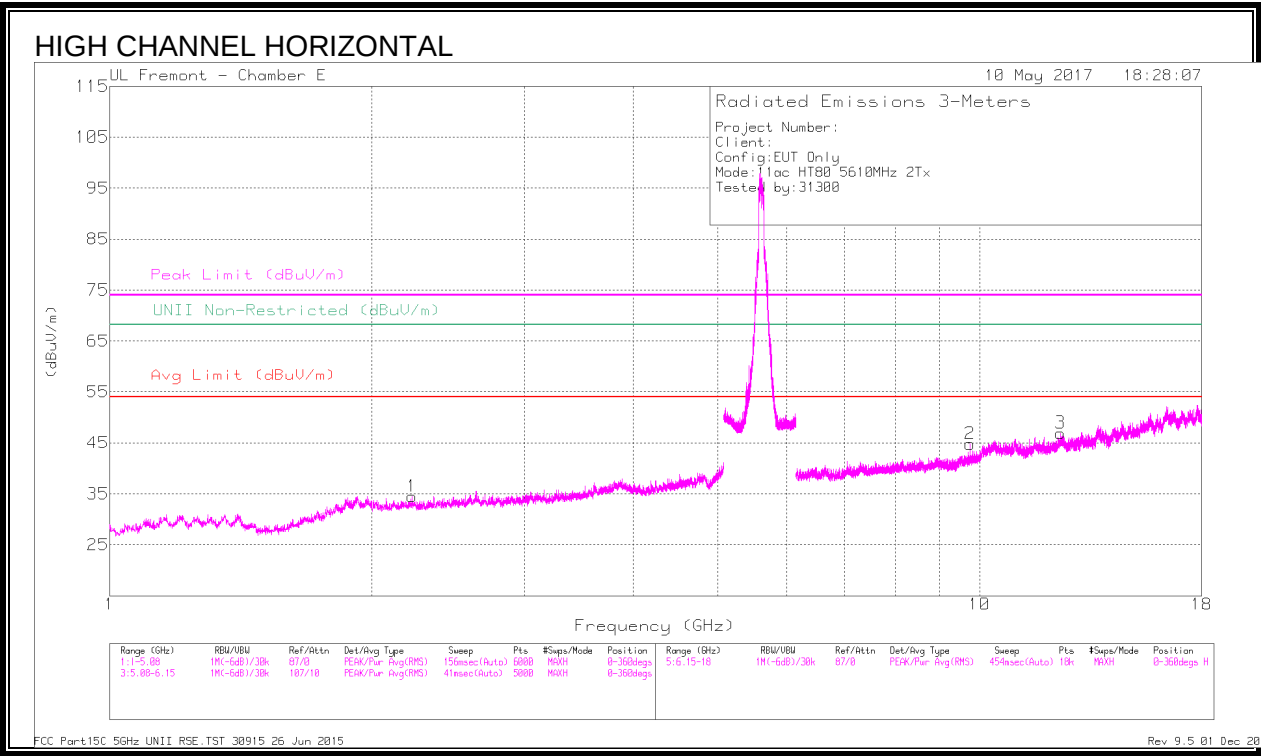
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

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DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb l/Filtr/P ad (dB)	DC Corr (dB)	Correct ed Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restrict ed (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.226	40.41	PK-U	32.1	-32.4	0	40.11	-	-	74	-33.89	-	-	285	101	H
* 2.23	28.59	ADR	32.1	-32.6	.2	28.29	54	-25.71	-	-	-	-	285	101	H
* 3.65	39.9	PK-U	34.1	-30.6	0	43.4	-	-	74	-30.6	-	-	226	200	V
* 3.653	28.27	ADR	34.1	-30.6	.2	31.97	54	-22.03	-	-	-	-	226	200	V
* 12.396	36	PK-U	40.9	-24.6	0	52.3	-	-	74	-21.7	-	-	167	101	H
* 12.396	24.38	ADR	40.9	-24.6	.2	40.88	54	-13.12	-	-	-	-	167	101	H
* 11.621	34.97	PK-U	39.5	-23.1	0	51.37	-	-	74	-22.63	-	-	337	101	V
* 11.623	23.6	ADR	39.5	-23.1	.2	40.2	54	-13.8	-	-	-	-	337	101	V
8.559	35.98	PK-U	37.4	-26.2	0	47.18	-	-	-	-	68.2	-21.02	167	101	V
9.756	35.87	PK-U	38.1	-25	0	48.97	-	-	-	-	68.2	-19.23	243	200	H

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

PK-U - U-NII: Maximum Peak

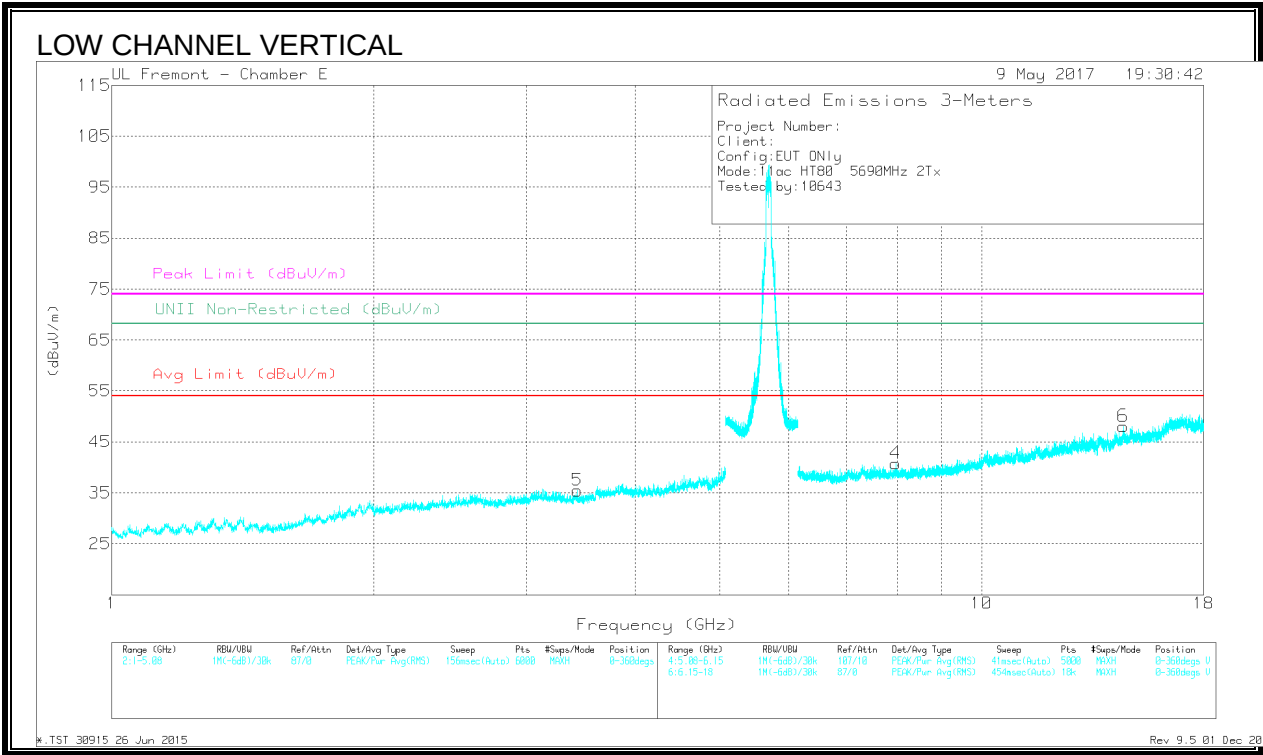
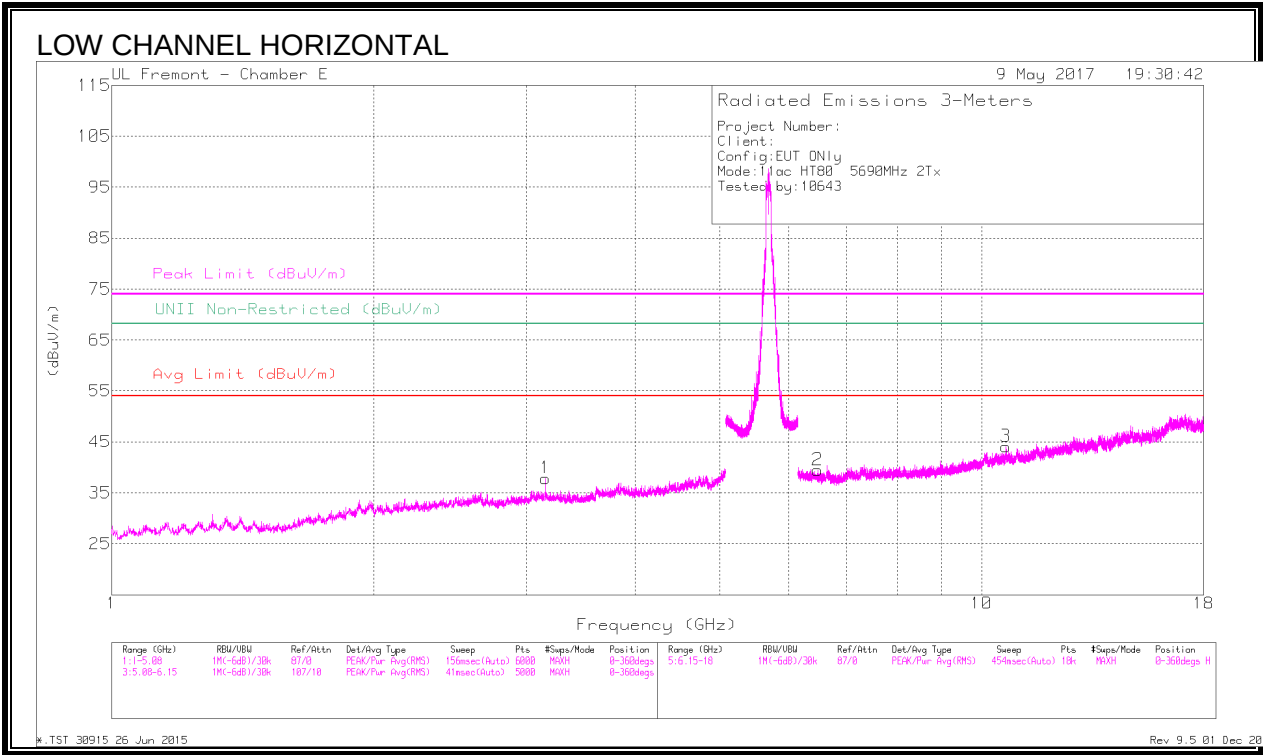
ADR - U-NII AD primary method, RMS average

FCC Part15C 5GHz UNII RSE.TST 30915 26 Jun 2015

Rev 9.5 01 Dec 2016

9.1.33. 11ac HT80 2TX CDD MIMO STRADDLE CHANNEL 138

HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT863 (dB/m)	Amp/Cb l/Filtr/P ad (dB)	DC Corr (dB)	Correct ed Reading (dBuV/ m)	Avg Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	UNII Non-Restrict ed (dBuV/ m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* 10.662	34.25	PK-U	37.6	-22.9	0	48.95	-	-	74	-25.05	-	-	243	183	H
	* 10.661	22.74	ADR	37.6	-22.9	.2	37.64	54	-16.36	-	-	-	-	243	183	H
1	3.156	39.82	PK-U	33.2	-31.4	0	41.62	-	-	-	-	68.2	-26.58	270	157	H
5	3.429	39.7	PK-U	32.8	-30.8	0	41.7	-	-	-	-	68.2	-26.5	346	337	V
2	6.48	39.13	PK-U	35.7	-29	0	45.83	-	-	-	-	68.2	-22.37	118	329	H
4	7.966	37.46	PK-U	36	-27.1	0	46.36	-	-	-	-	68.2	-21.84	206	319	V
6	14.55	35.85	PK-U	40.1	-22.7	0	53.25	-	-	-	-	68.2	-14.95	290	380	V

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

PK-U - U-NII: Maximum Peak

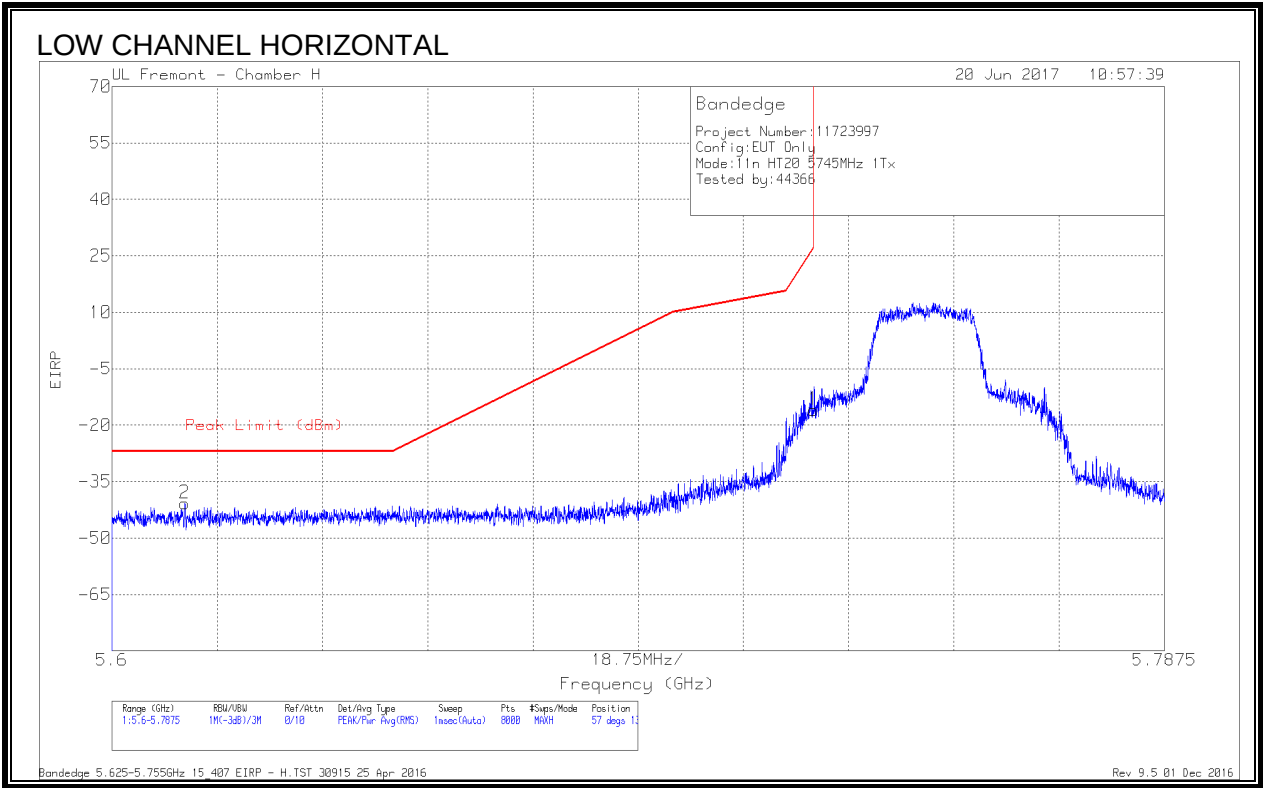
ADR - U-NII AD primary method, RMS average

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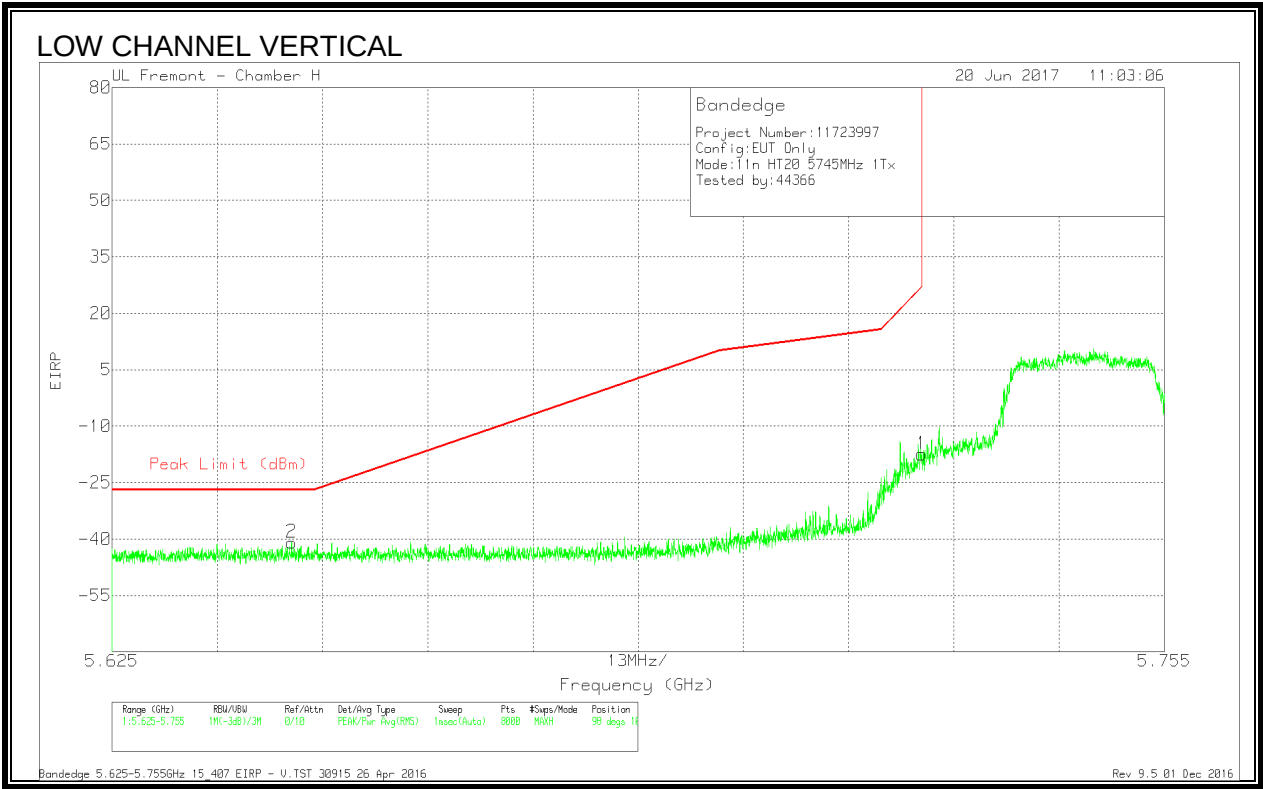
9.1.34. 11n HT20 UAT 2 SISO MODE IN THE 5.8GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



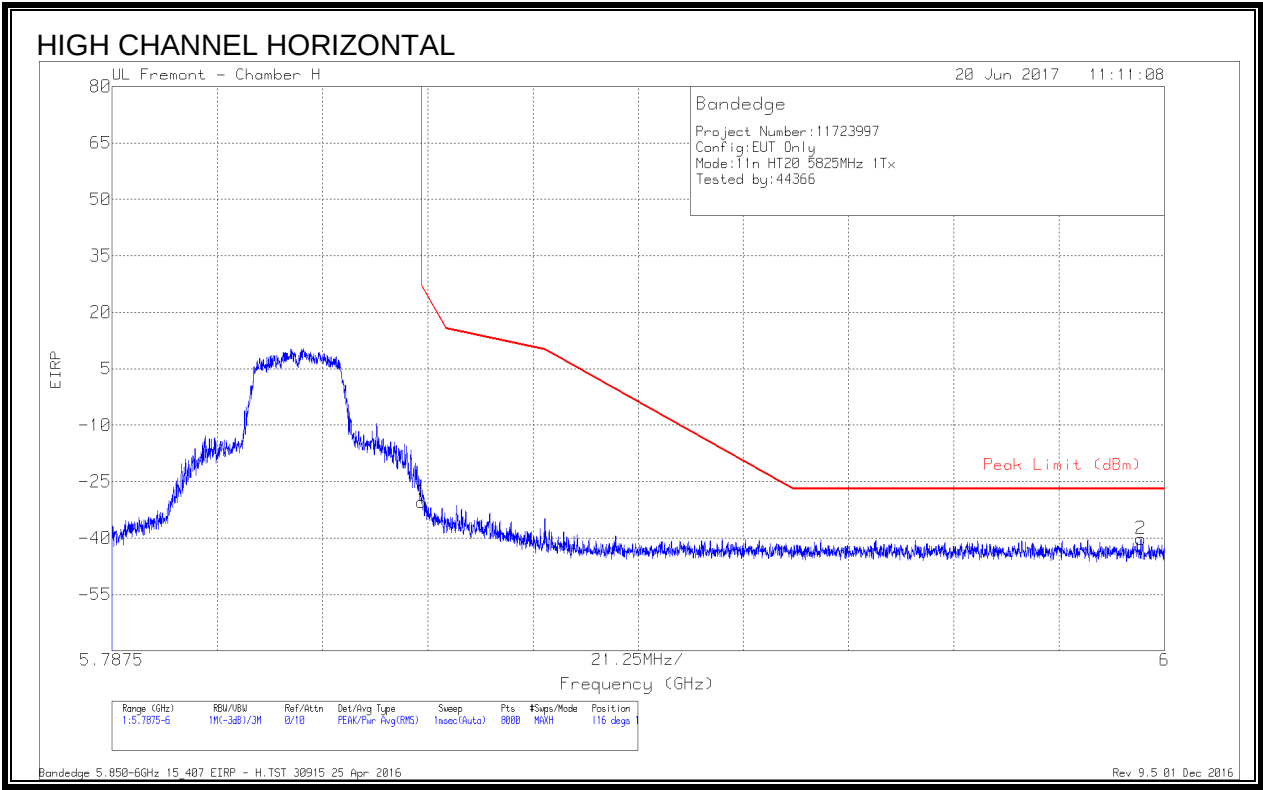
Marker	Frequenc y (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Conversion Factor (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.613	-63.97	Pk	34.9	-23.5	11.8	-40.77	-27	-13.77	57	135	H
1	5.725	-39.32	Pk	35.1	-23.5	11.8	-15.92	26.96	-42.88	57	135	H

Pk - Peak detector



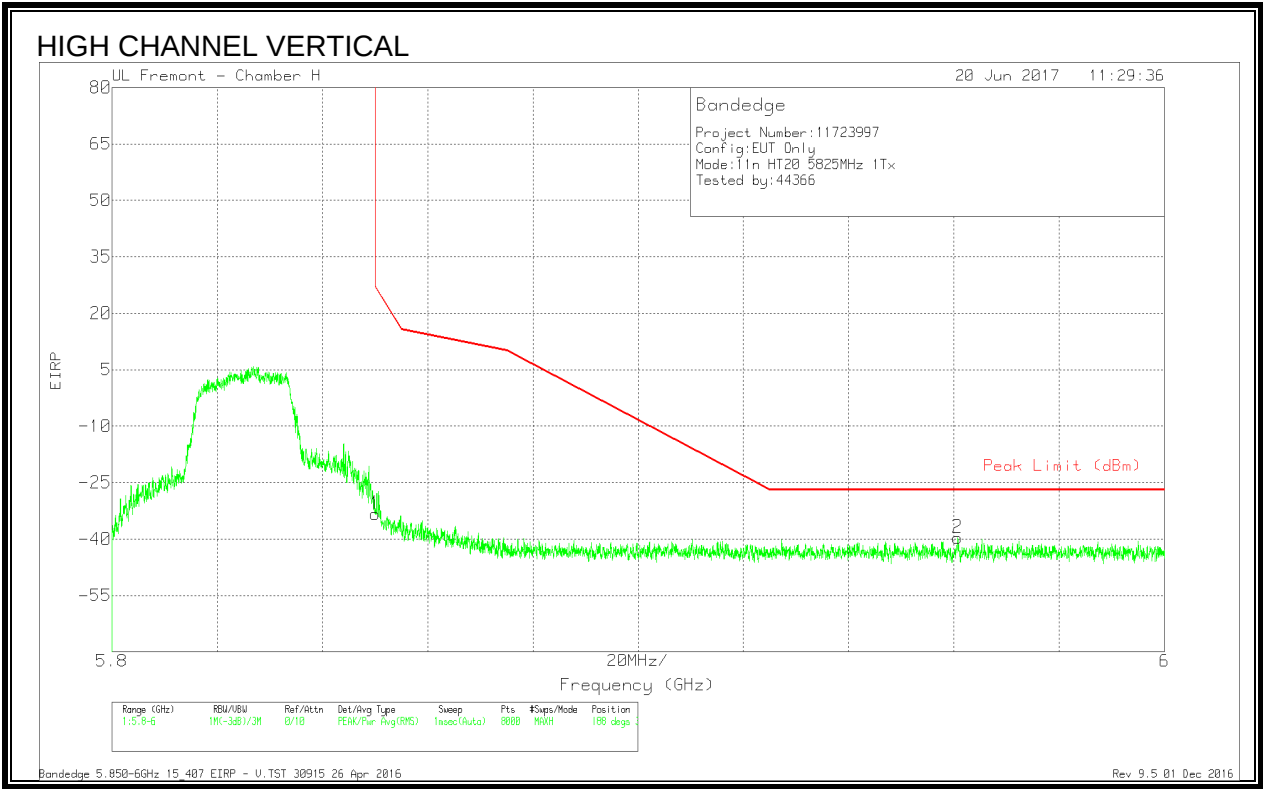
Marker	Frequenc y (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Conversion Factor (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.647	-63.98	Pk	34.9	-23.6	11.8	-40.88	-27	-13.88	98	101	V
1	5.725	-40.84	Pk	35.1	-23.5	11.8	-17.44	27	-44.44	98	101	V

Pk - Peak detector



Marker	Frequenc y (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl/Filtri/P ad (dB)	Conversion Factor (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-54.31	Pk	35.4	-23.3	11.8	-30.41	26.98	-57.39	116	105	H
2	5.995	-64.56	Pk	35.5	-23	11.8	-40.26	-27	-13.26	116	105	H

Pk - Peak detector



Marker	Frequenc y (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Conversion Factor (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-57.21	Pk	35.4	-23.3	11.8	-33.31	26.99	-60.3	188	375	V
2	5.961	-63.95	Pk	35.5	-23	11.8	-39.65	-27	-12.65	188	375	V

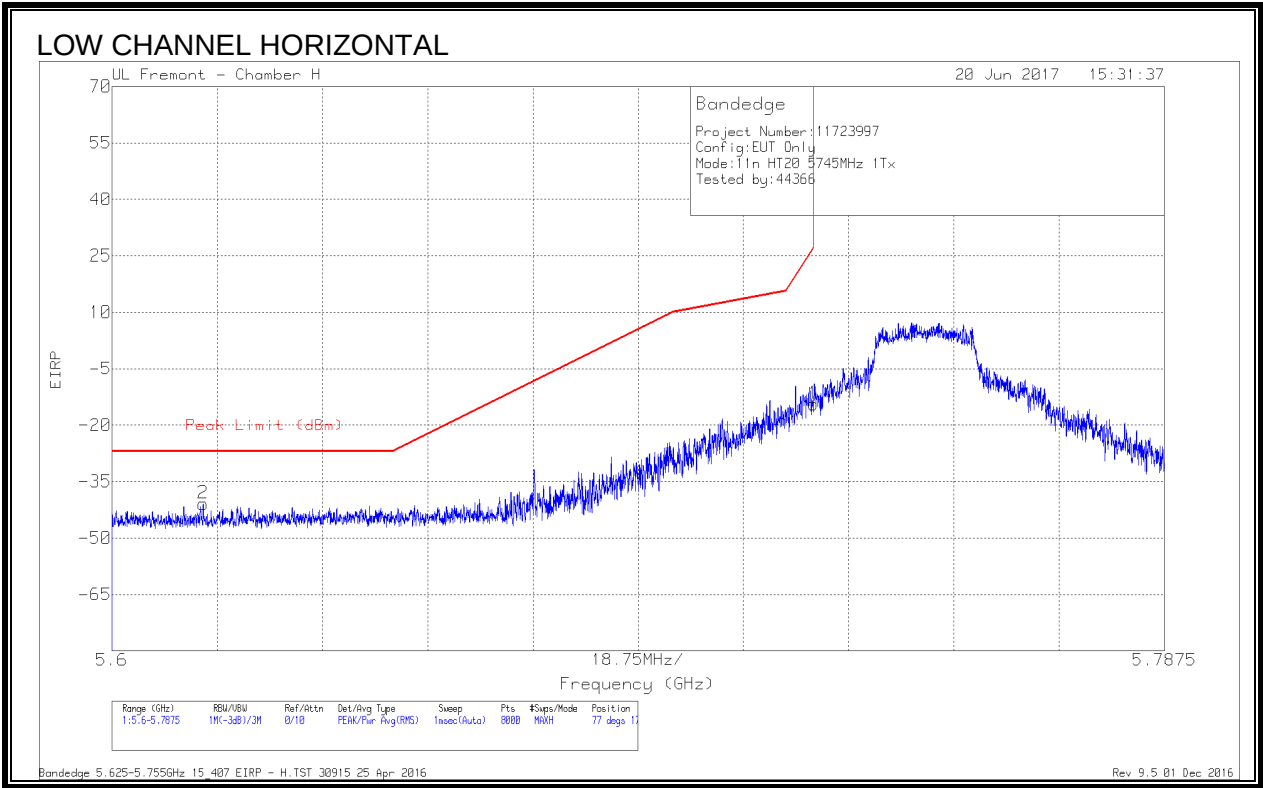
Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

NOTES: Covered by 11n HT20 2Tx

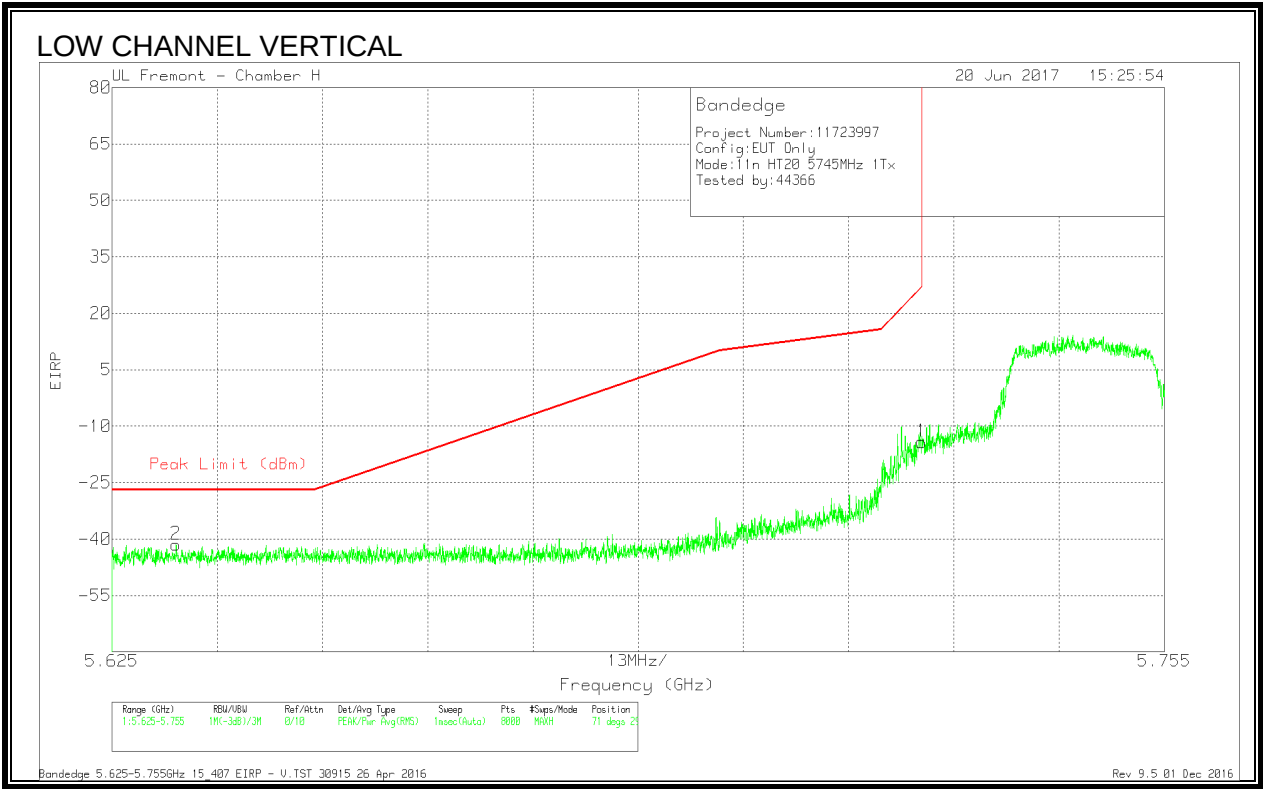
9.1.35. 11n HT20 LAT 3 SISO MODE IN THE 5.8GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



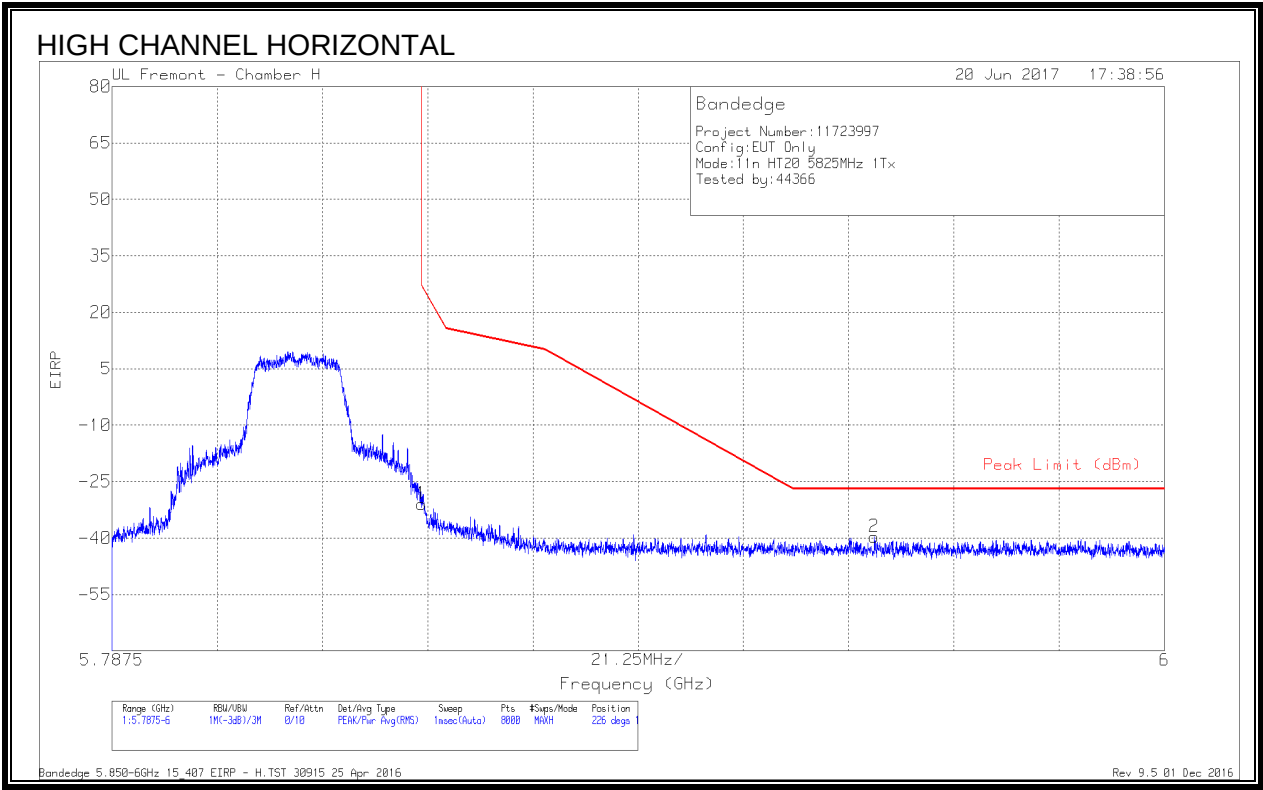
Marker	Frequenc y (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Conversion Factor (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.616	-64.08	Pk	34.9	-23.5	11.8	-40.88	-27	-13.88	77	177	H
1	5.725	-37.79	Pk	35.1	-23.5	11.8	-14.39	26.96	-41.35	77	177	H

Pk - Peak detector



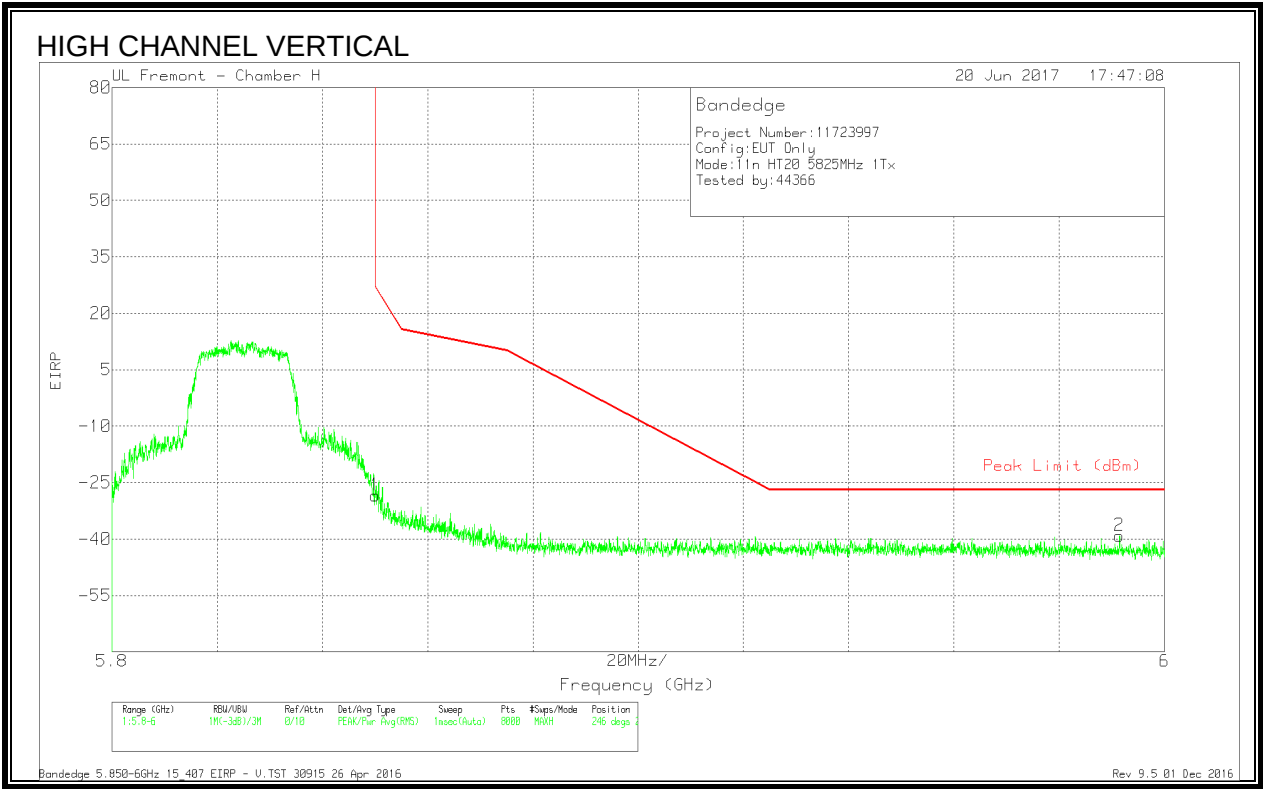
Marker	Frequenc y (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Conversion Factor (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.633	-64.54	Pk	34.9	-23.6	11.8	-41.44	-27	-14.44	71	299	V
1	5.725	-37.6	Pk	35.1	-23.5	11.8	-14.2	27	-41.2	71	299	V

Pk - Peak detector



Marker	Frequenc y (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl/Filtri/P ad (dB)	Conversion Factor (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-54.87	Pk	35.4	-23.3	11.8	-30.97	26.98	-57.95	226	118	H
2	5.941	-63.87	Pk	35.5	-23.1	11.8	-39.67	-27	-12.67	226	118	H

Pk - Peak detector



Marker	Frequenc y (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Conversion Factor (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-52.33	Pk	35.4	-23.3	11.8	-28.43	26.99	-55.42	246	250	V
2	5.991	-63.43	Pk	35.5	-23	11.8	-39.13	-27	-12.13	246	250	V

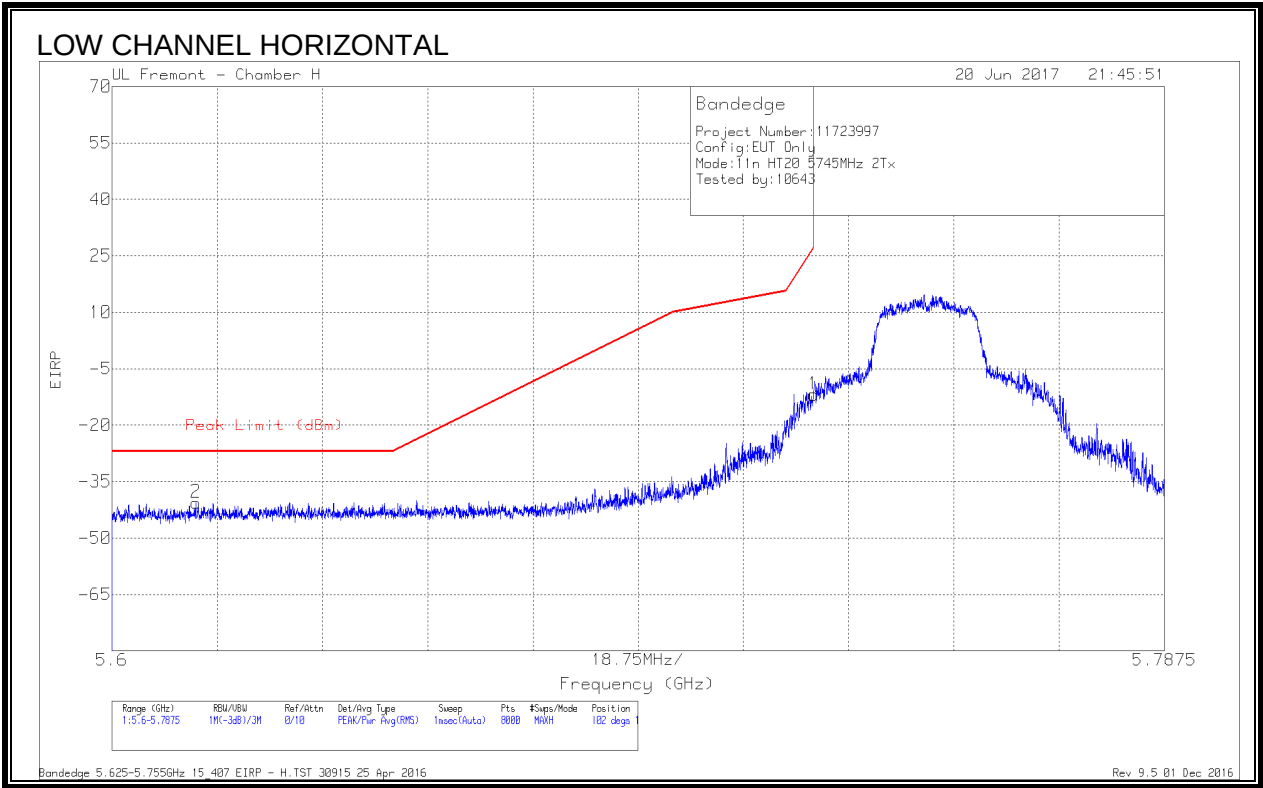
Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

NOTES: Covered by 11n HT20 2Tx

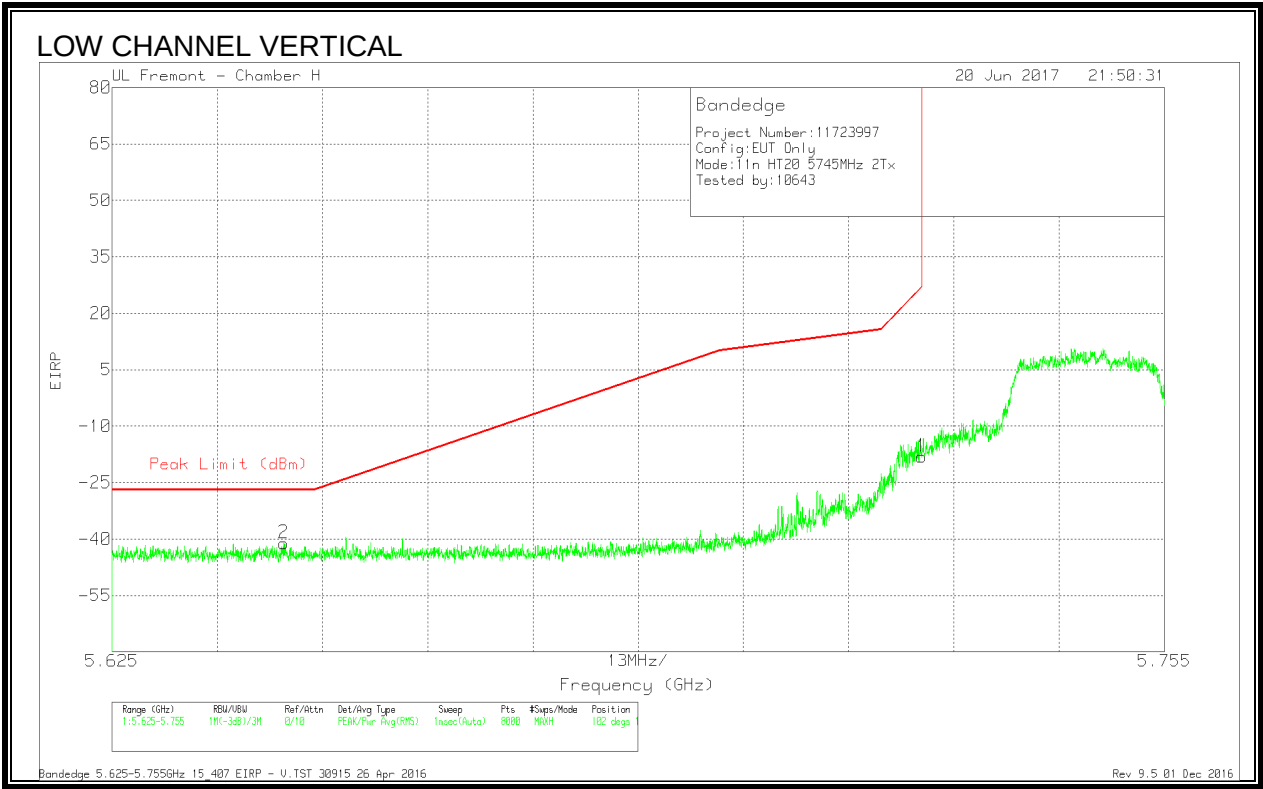
9.1.36. 11n HT20 2TX CDD MIMO MODE IN THE 5.8GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



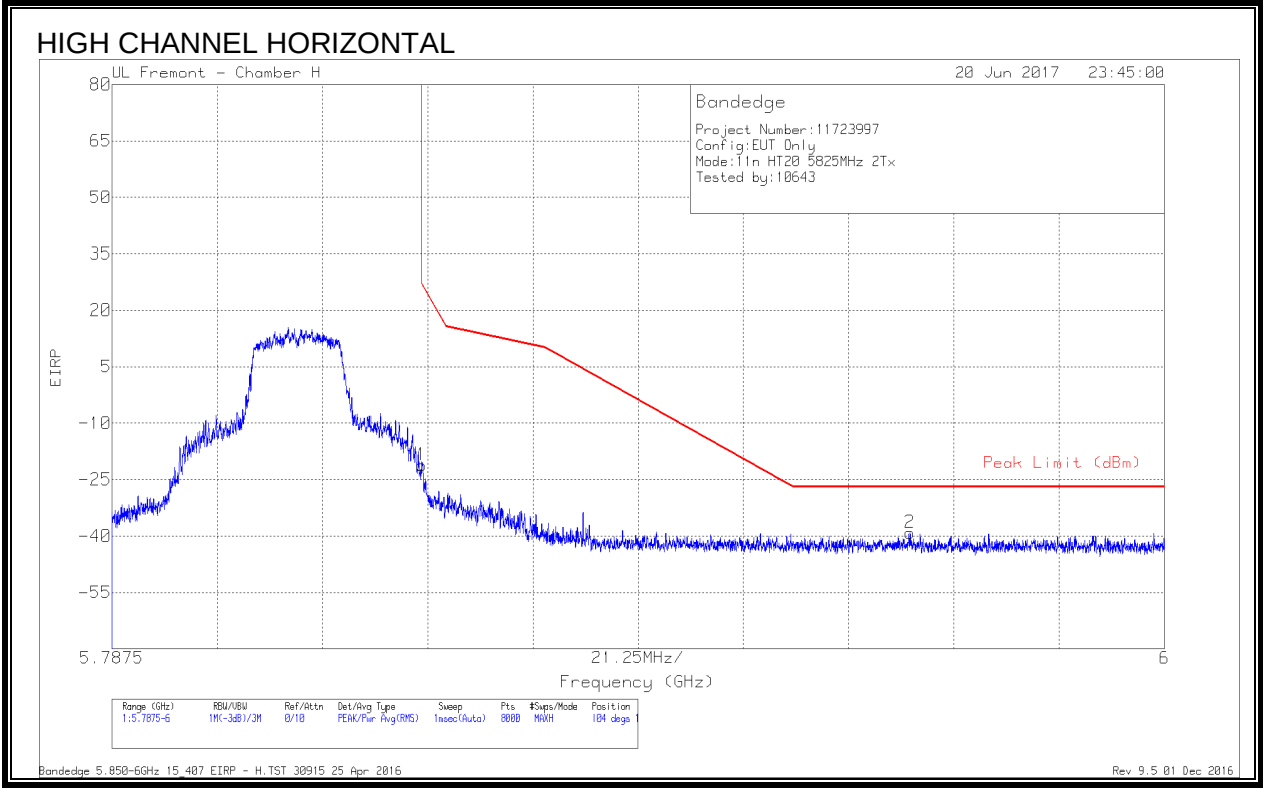
Marker	Frequenc y (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Conversion Factor (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.615	-63.77	Pk	34.9	-23.5	11.8	-40.57	-27	-13.57	102	174	H
1	5.725	-35.27	Pk	35.1	-23.5	11.8	-11.87	26.96	-38.83	102	174	H

Pk - Peak detector



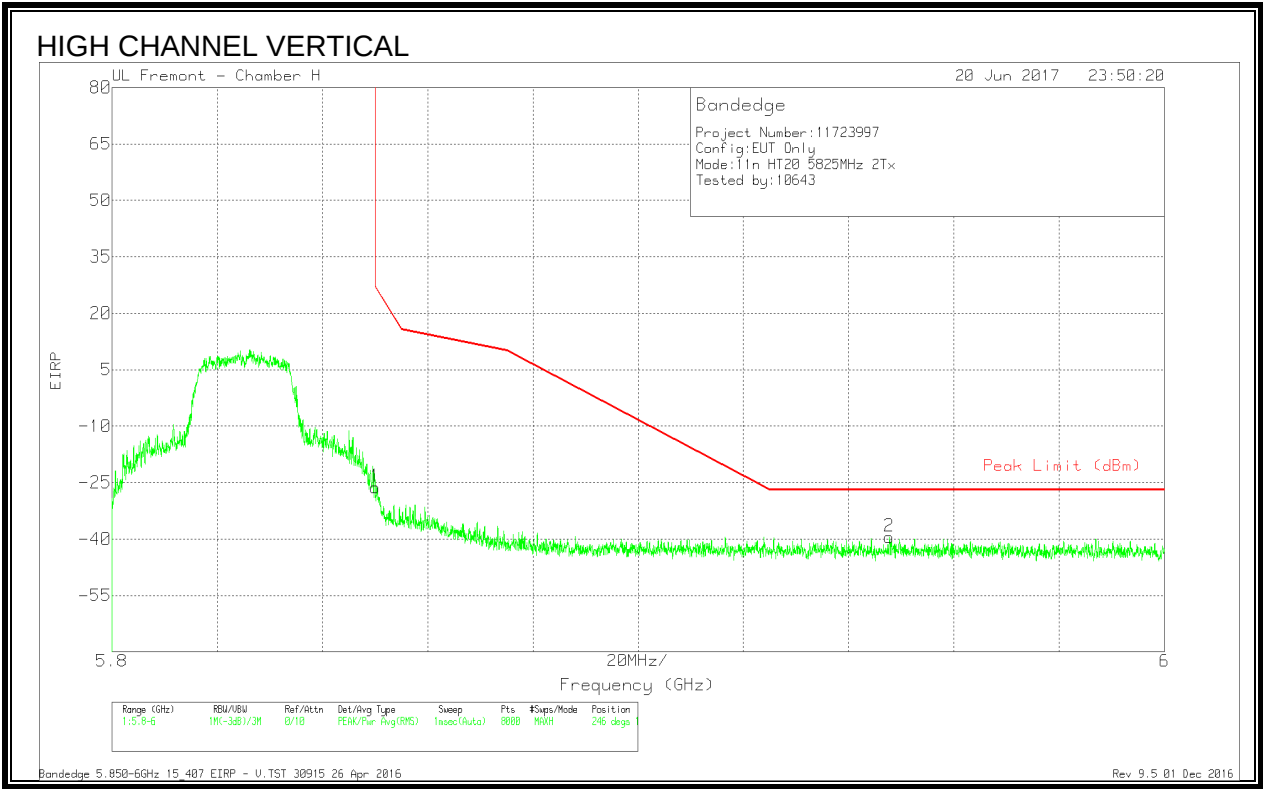
Marker	Frequenc y (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Conversion Factor (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.646	-64.18	Pk	34.9	-23.6	11.8	-41.08	-27	-14.08	102	174	V
1	5.725	-41.48	Pk	35.1	-23.5	11.8	-18.08	27	-45.08	102	174	V

Pk - Peak detector



Marker	Frequenc y (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl/Filtri/P ad (dB)	Conversion Factor (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-45.1	Pk	35.4	-23.3	11.8	-21.2	26.98	-48.18	104	100	H
2	5.949	-63.36	Pk	35.5	-23.1	11.8	-39.16	-27	-12.16	104	100	H

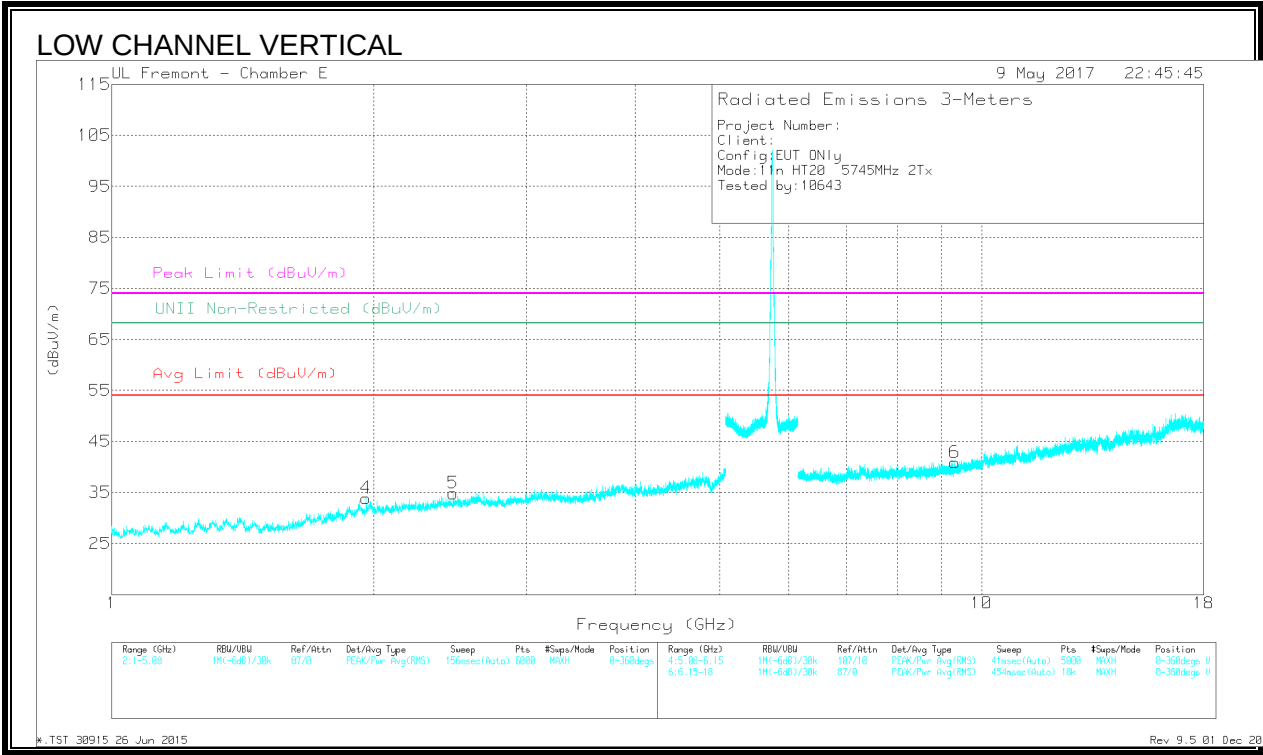
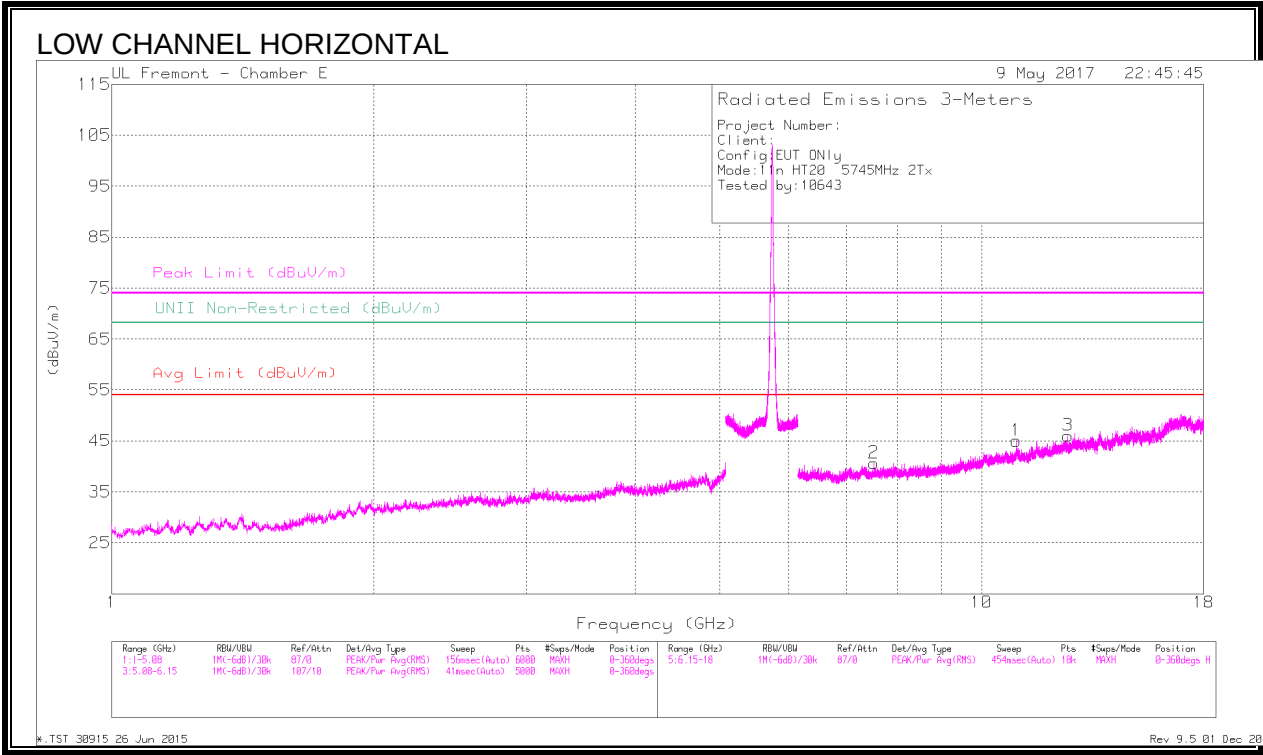
Pk - Peak detector



Marker	Frequenc y (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Conversion Factor (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-50.12	Pk	35.4	-23.3	11.8	-26.22	26.99	-53.21	246	100	V
2	5.948	-63.62	Pk	35.5	-23.1	11.8	-39.42	-27	-12.42	246	100	V

Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb l/Ftr/P ad (dB)	Correct ed Reading (dBuV/ m)	Avg Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	UNII Non- Restrict ed (dBuV/ m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 10.966	35.74	PK-U	37.6	-22.5	50.84	-	-	74	-23.16	-	-	287	142	H
	* 10.966	23.03	ADR	37.6	-22.5	38.13	54	-15.87	-	-	-	-	287	142	H
2	* 7.522	36.66	PK-U	36.1	-26.9	45.86	-	-	74	-28.14	-	-	255	139	H
	* 7.521	25.07	ADR	36.1	-27	34.17	54	-19.83	-	-	-	-	255	139	H
3	* 12.568	36.39	PK-U	39.5	-25.1	50.79	-	-	74	-23.21	-	-	175	118	H
	* 12.569	24.93	ADR	39.5	-25.1	39.33	54	-14.67	-	-	-	-	175	118	H
6	* 9.315	35.9	PK-U	36.5	-25.9	46.5	-	-	74	-27.5	-	-	317	105	V
	* 9.315	24.48	ADR	36.5	-25.9	35.08	54	-18.92	-	-	-	-	317	105	V
4	1.963	40.76	PK-U	31.3	-32.8	39.26	-	-	-	-	68.2	-28.94	54	314	V
	1.963	28.61	ADR	31.3	-32.8	27.11	-	-	-	-	-	-	54	314	V
5	2.467	28.34	ADR	32.4	-32.7	28.04	-	-	-	-	-	-	65	148	V
	2.468	40.27	PK-U	32.4	-32.7	39.97	-	-	-	-	68.2	-28.23	65	148	V

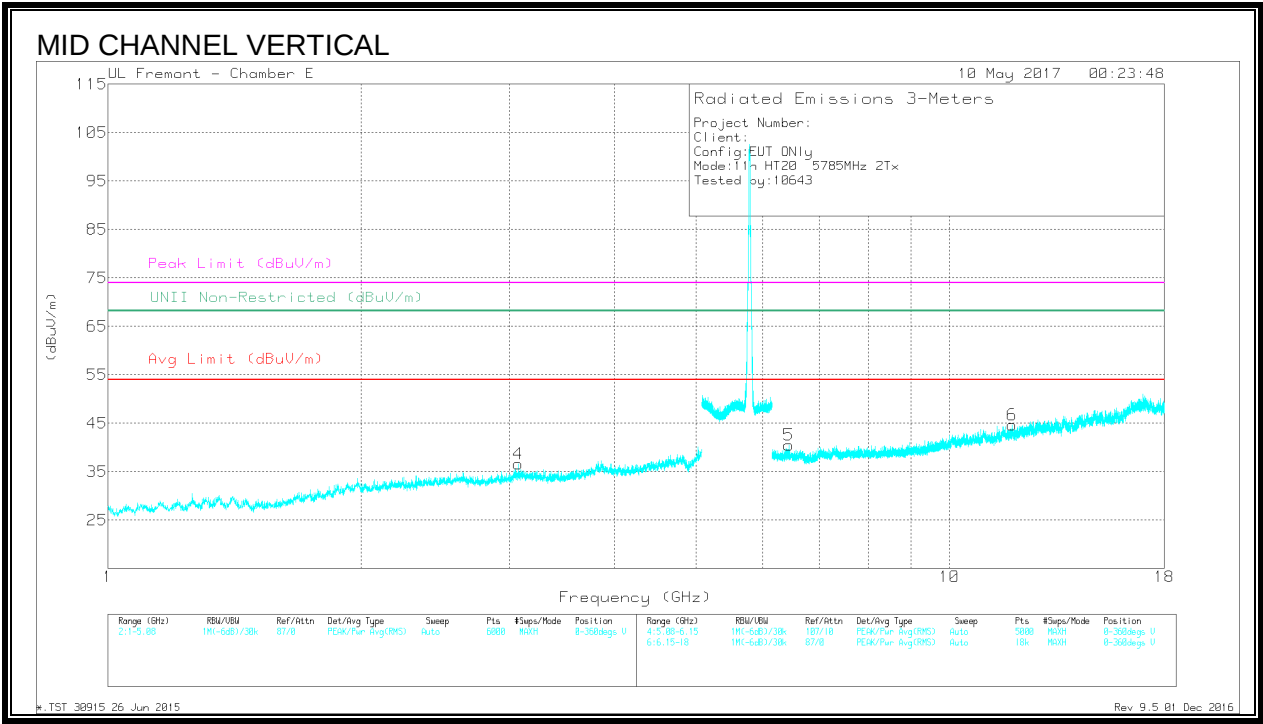
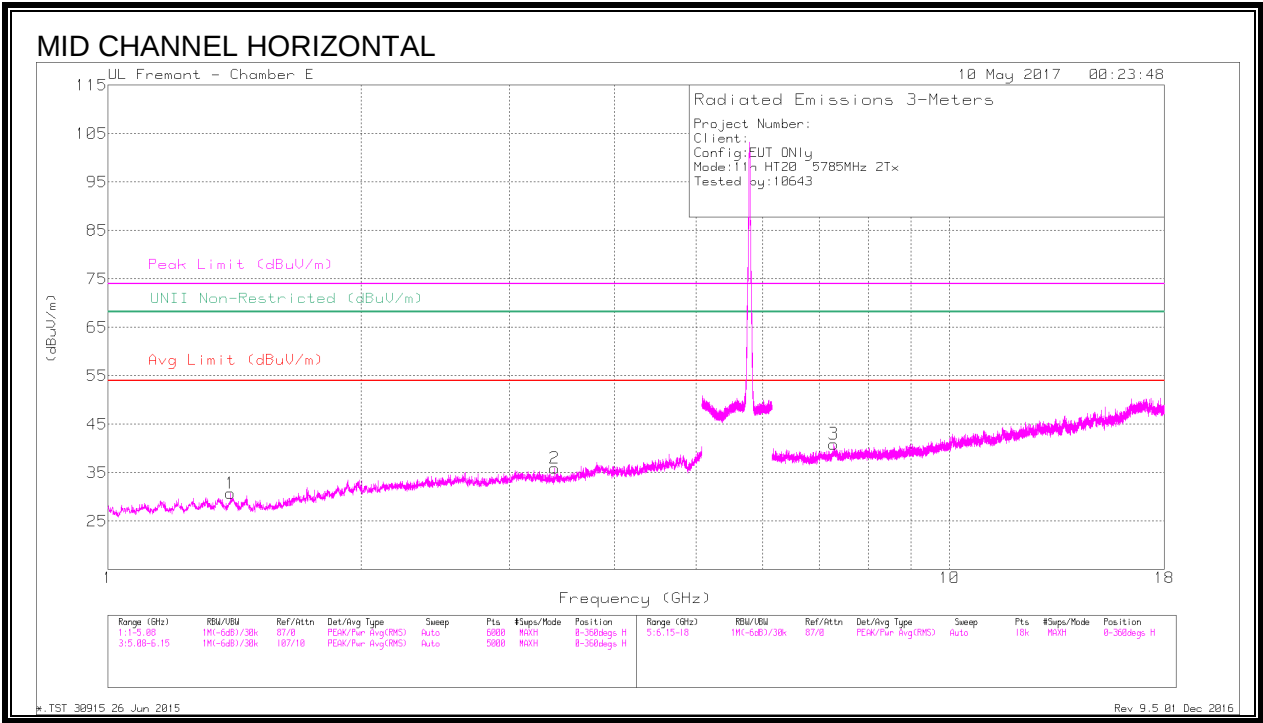
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

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DATA

Marker	Frequen cy (GHz)	Meter Readin g (dBuV)	Det	AF T863 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	Correct ed Readin g (dBuV/ m)	Avg Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	UNII Non- Restrict ed (dBuV/ m)	PK Margin (dB)	Azimet h (Degs)	Height (cm)	Polarity
1	* 1.399	42.04	PK-U	28.6	-34.7	35.94	-	-	74	-38.06	-	-	14	242	H
	* 1.4	30.47	ADR	28.6	-34.6	24.47	54	-29.53	-	-	-	-	14	242	H
3	* 7.286	36.83	PK-U	35.9	-26.2	46.53	-	-	74	-27.47	-	-	1	102	H
	* 7.287	25.22	ADR	35.9	-26.2	34.92	54	-19.08	-	-	-	-	1	102	H
6	* 11.875	34.66	PK-U	38.7	-23.4	49.96	-	-	74	-24.04	-	-	133	102	V
	* 11.873	23.57	ADR	38.7	-23.4	38.87	54	-15.13	-	-	-	-	133	102	V
4	3.073	39.17	PK-U	33	-30.6	41.57	-	-	-	-	68.2	-26.63	187	291	V
	3.073	27.02	ADR	33	-30.6	29.42	-	-	-	-	-	-	187	291	V
2	3.395	27.4	ADR	32.8	-31	29.2	-	-	-	-	-	-	208	400	H
	3.396	39.34	PK-U	32.8	-31	41.14	-	-	-	-	68.2	-27.06	208	400	H
5	6.441	39.22	PK-U	35.6	-28.4	46.42	-	-	-	-	68.2	-21.78	125	102	V
	6.442	27.04	ADR	35.6	-28.4	34.24	-	-	-	-	-	-	125	102	V

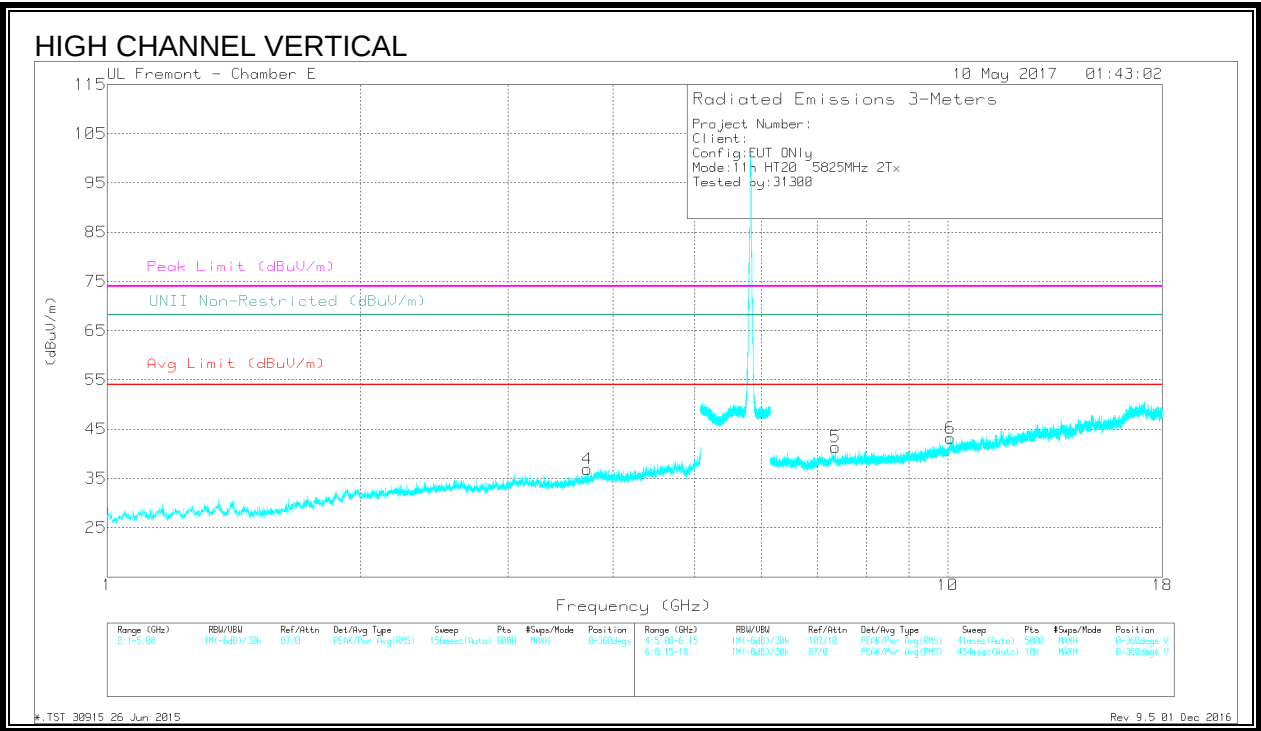
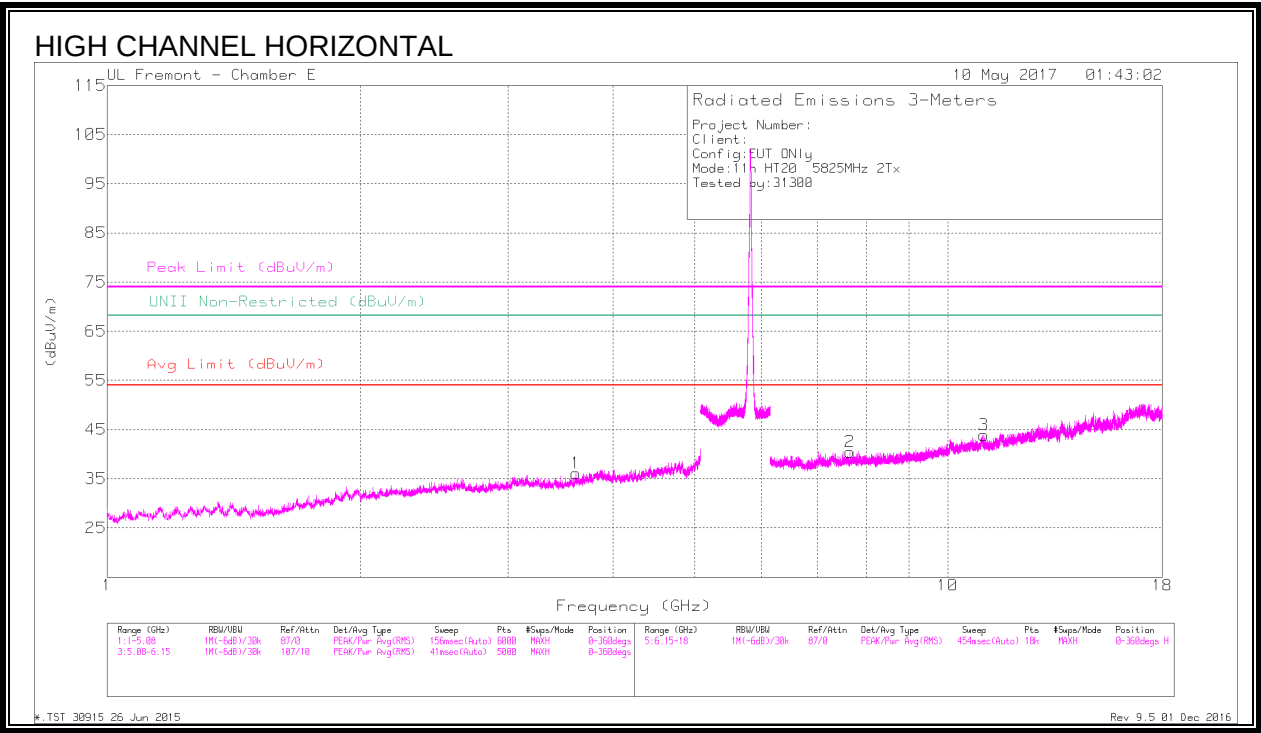
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

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DATA

Marker	Frequen cy (GHz)	Meter Readin g (dBuV)	Det	AF T863 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	Correct ed Readin g (dBuV/ m)	Avg Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	UNII Non- Restrict ed (dBuV/ m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.614	39.71	PK-U	33	-30.5	42.21	-	-	74	-31.79	-	-	17	100	H
	* 3.614	28.02	ADR	33	-30.5	30.52	54	-23.48	-	-	-	-	17	100	H
4	* 3.729	41.04	PK-U	33.4	-31.1	43.34	-	-	74	-30.66	-	-	101	200	V
	* 3.729	28.82	ADR	33.4	-31.1	31.12	54	-22.88	-	-	-	-	101	200	V
2	* 7.646	37.13	PK-U	36.1	-27.4	45.83	-	-	74	-28.17	-	-	94	200	H
	* 7.647	25.46	ADR	36.1	-27.4	34.16	54	-19.84	-	-	-	-	94	200	H
3	* 11.042	35.2	PK-U	37.7	-23.4	49.5	-	-	74	-24.5	-	-	118	102	H
	* 11.042	23.42	ADR	37.7	-23.4	37.72	54	-16.28	-	-	-	-	118	102	H
5	* 7.354	37.08	PK-U	35.9	-27.2	45.78	-	-	74	-28.22	-	-	110	102	V
	* 7.352	25.75	ADR	35.9	-27.1	34.55	54	-19.45	-	-	-	-	110	102	V
6	10.072	34.13	PK-U	37.3	-22.8	48.63	-	-	-	-	68.2	-19.57	1	102	V
	10.072	22.88	ADR	37.3	-22.8	37.38	-	-	-	-	-	-	1	102	V

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

PK-U - U-NII: Maximum Peak

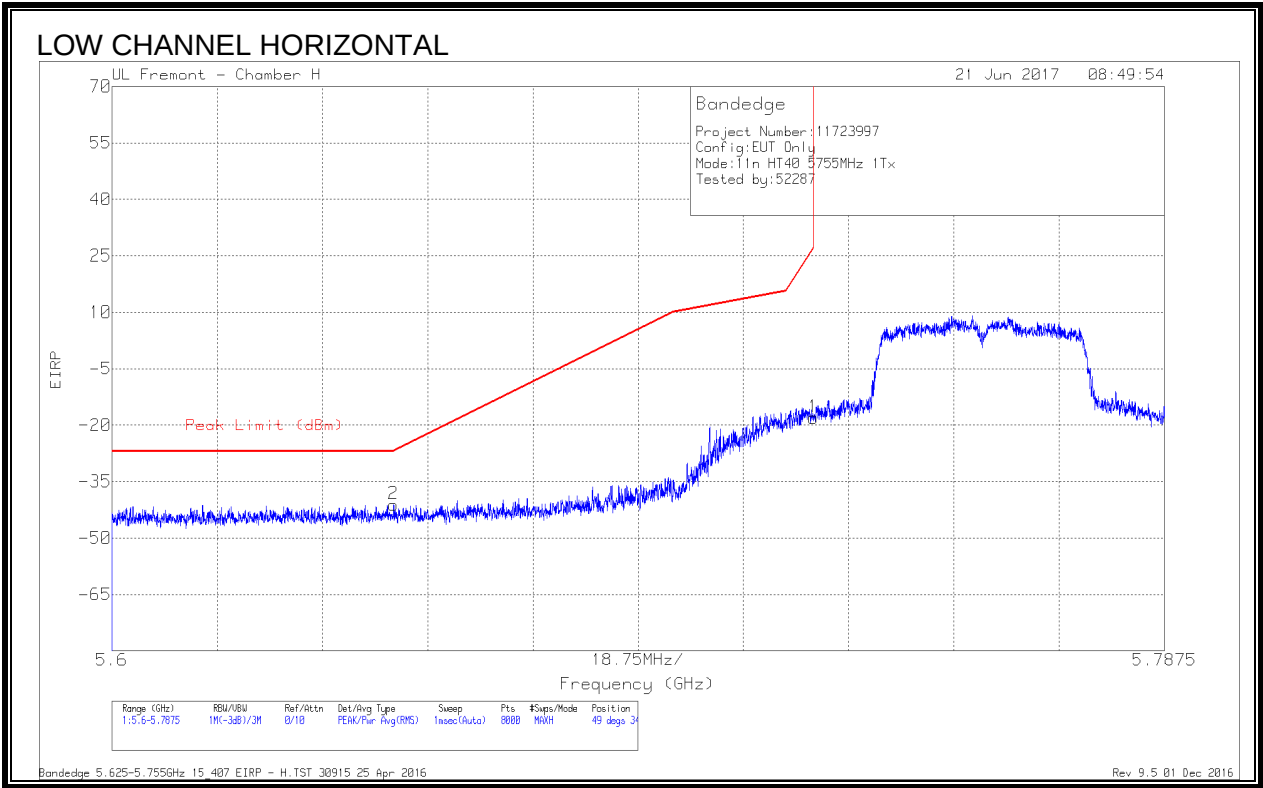
ADR - U-NII AD primary method, RMS average

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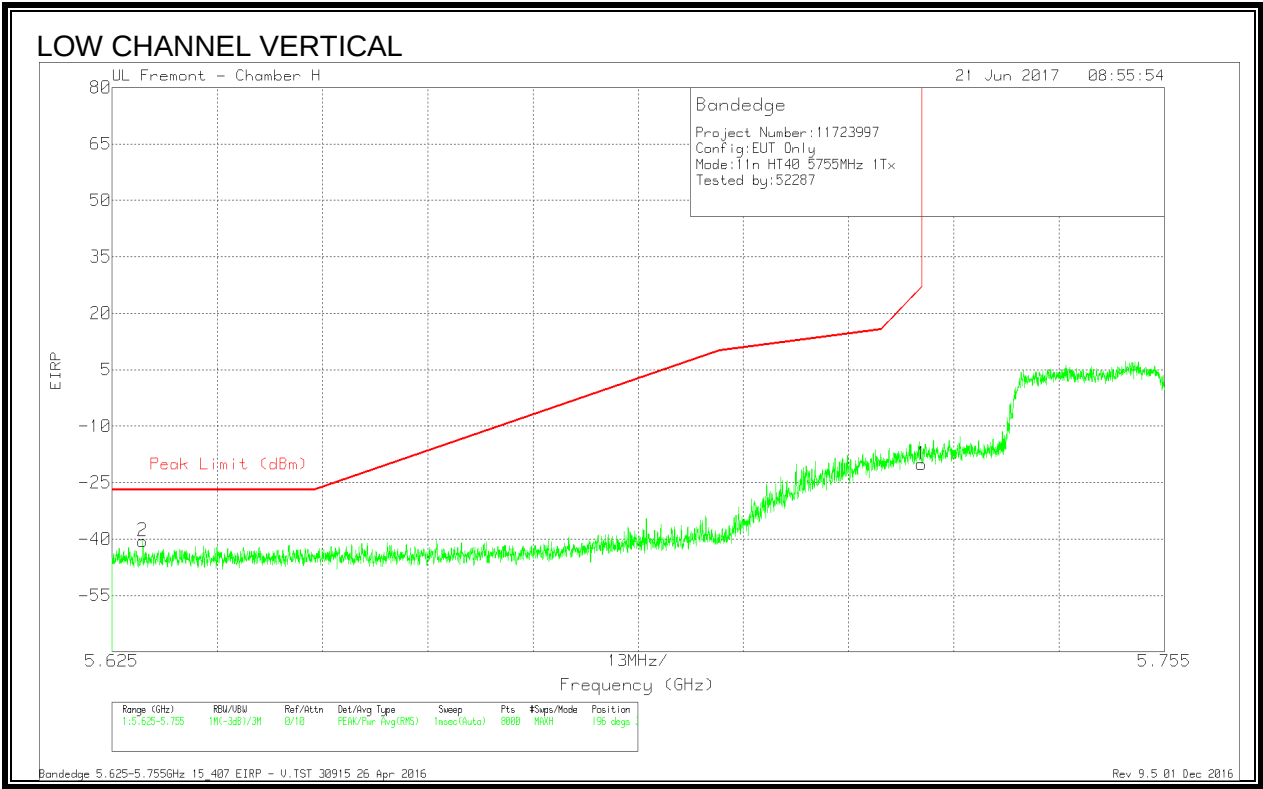
9.1.37. 11n HT40 UAT 2 SISO MODE IN THE 5.8GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



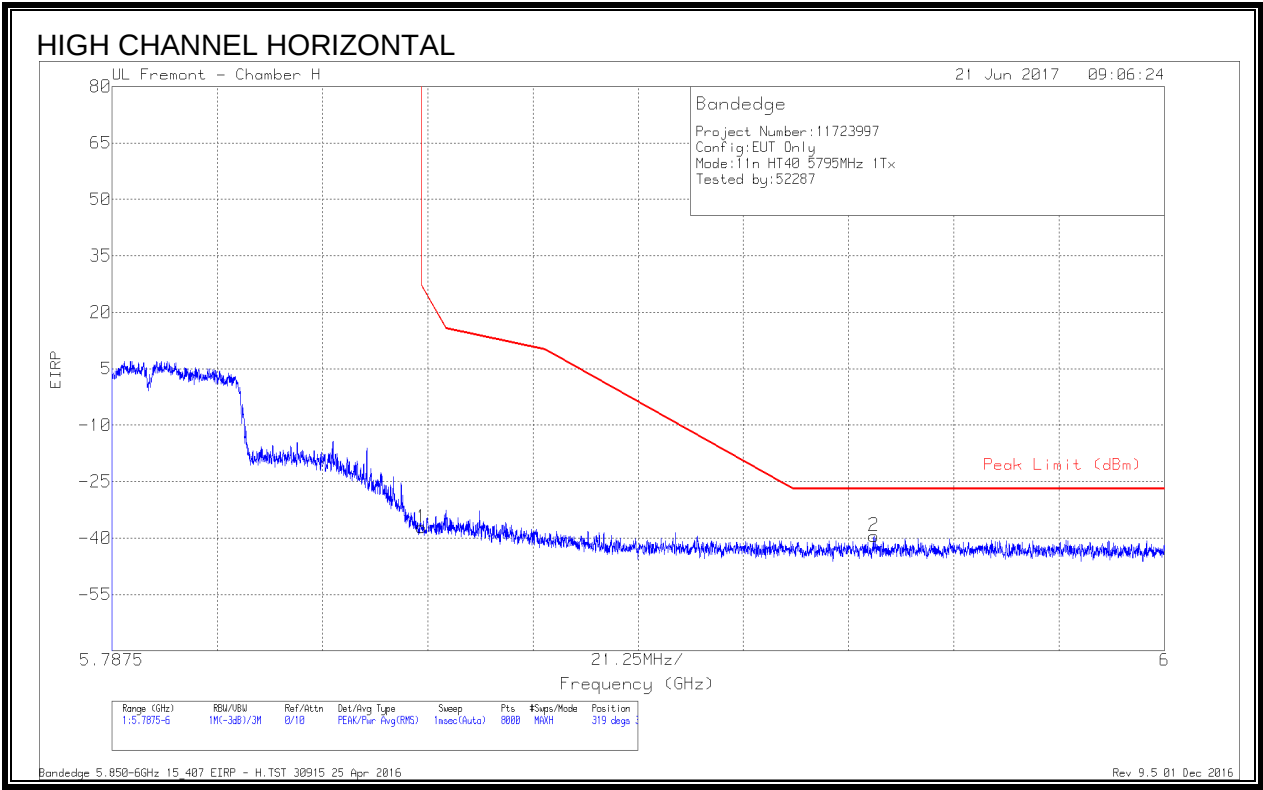
Mark er	Frequen cy (GHz)	Meter Readin g (dBm)	Det	AF T344 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Correct ed Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimet h (Degs)	Heigh t (cm)	Polarit y
2	5.65	-64.17	Pk	34.9	-23.6	11.8	0	-41.07	-26.86	-14.21	49	342	H
1	5.725	-41.43	Pk	35.1	-23.5	11.8	0	-18.03	26.96	-44.99	49	342	H

Pk - Peak detector



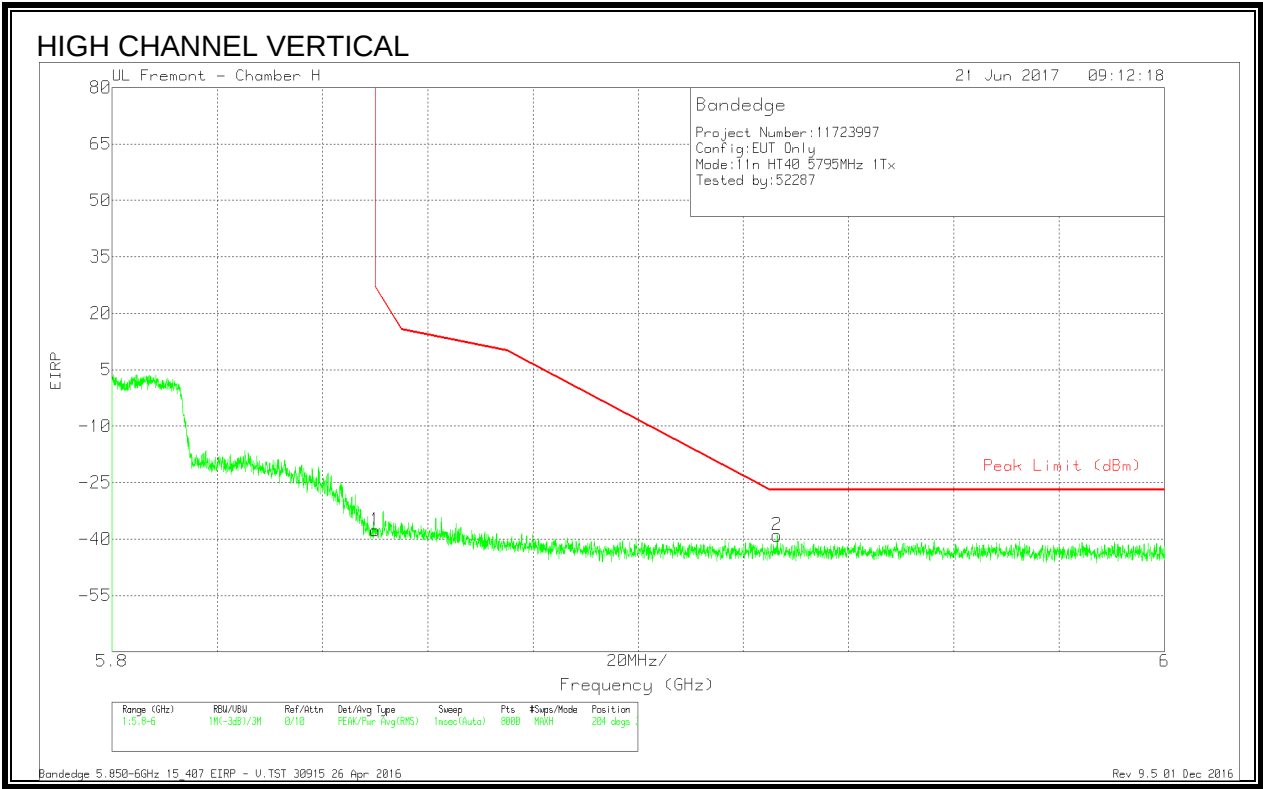
Marker	Frequenc y (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl/Fitr/ Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.629	-63.76	Pk	34.9	-23.5	11.8	0	-40.56	-27	-13.56	196	394	V
1	5.725	-43.52	Pk	35.1	-23.5	11.8	0	-20.12	27	-47.12	196	394	V

Pk - Peak detector



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dBm)	Amp/CbI/Ftr/Pa d (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-61.06	Pk	35.4	-23.3	11.8	0	-37.16	26.98	-64.14	319	336	H
2	5.941	-63.64	Pk	35.5	-23.1	11.8	0	-39.44	-27	-12.44	319	336	H

Pk - Peak detector



Marker	Frequenc y (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl/Fitr/ Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-61.61	Pk	35.4	-23.3	11.8	0	-37.71	26.99	-64.7	204	393	V
2	5.926	-63.21	Pk	35.5	-23.1	11.8	0	-39.01	-27	-12.01	204	393	V

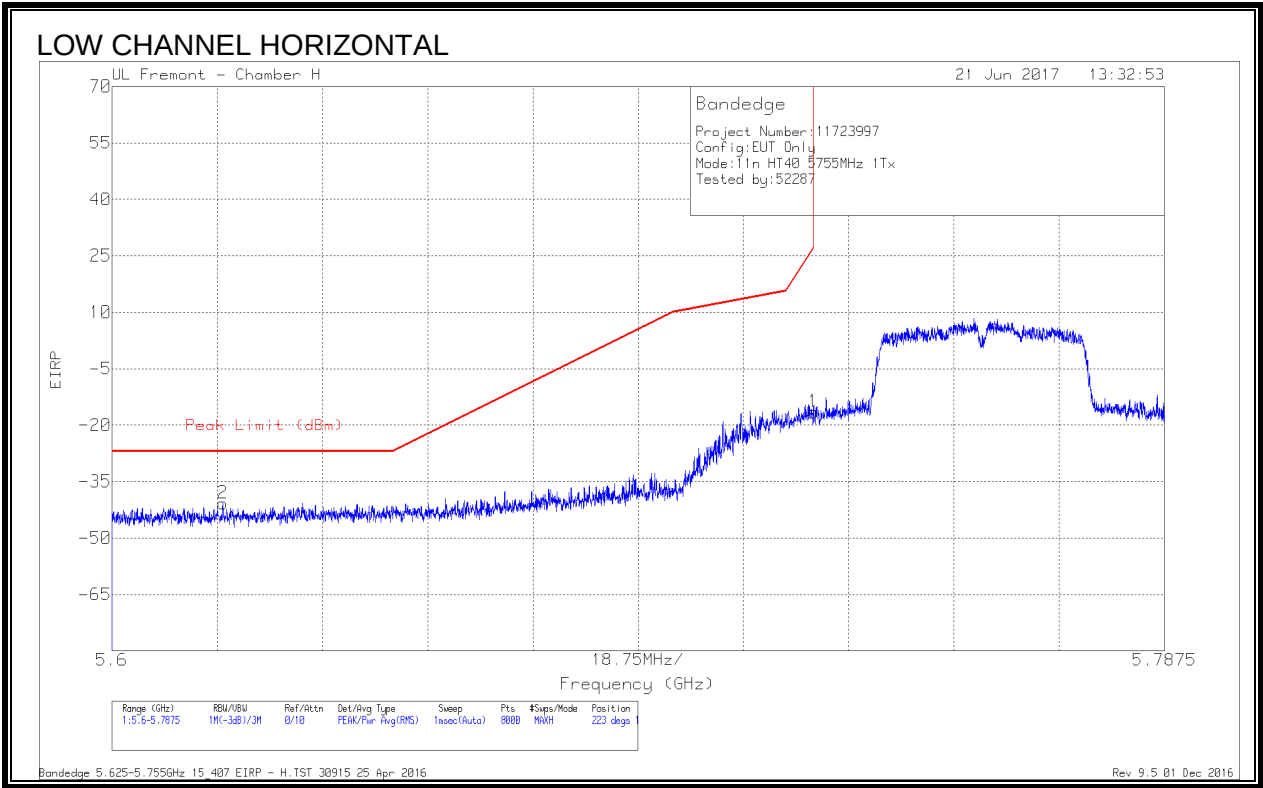
Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

NOTES: Covered by 11n HT40 2Tx

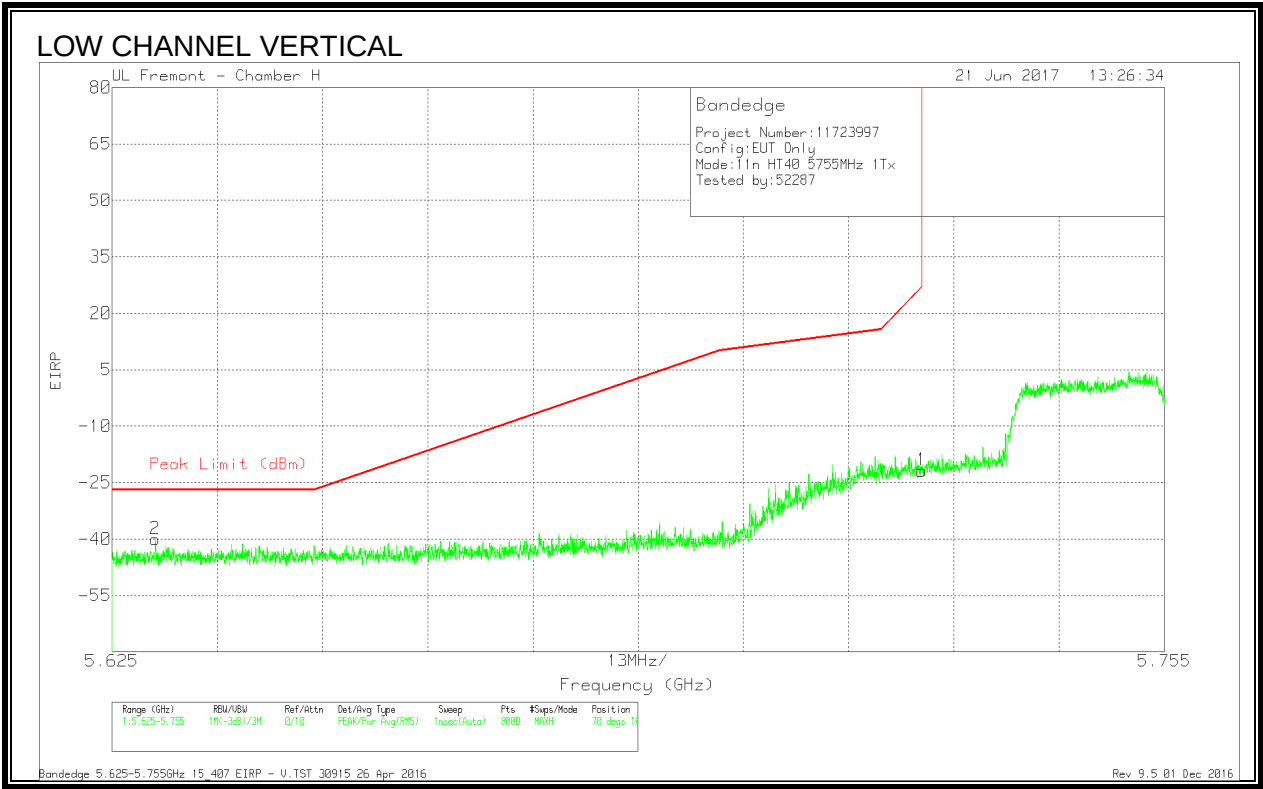
9.1.38. 11n HT40 LAT 3 SISO MODE IN THE 5.8GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



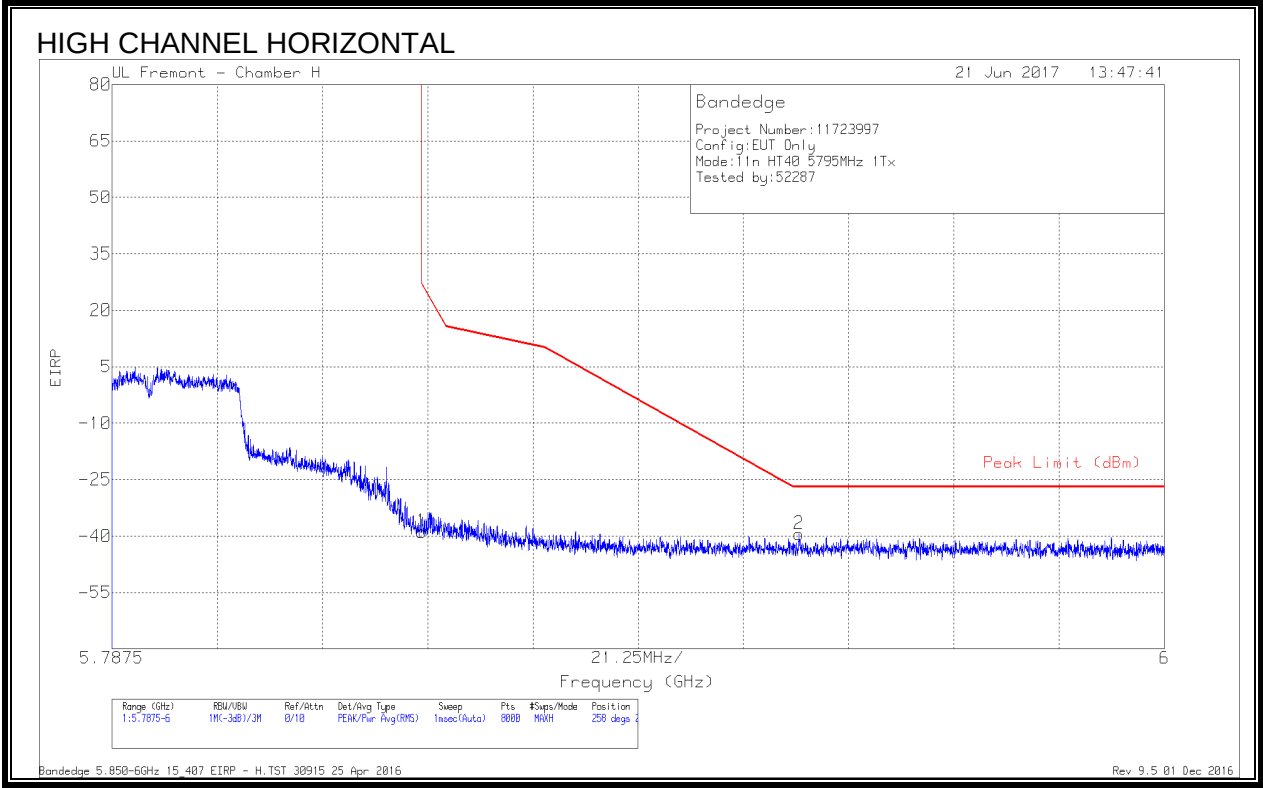
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr /Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Correct ed Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.62	-63.98	Pk	34.9	-23.5	11.8	0	-40.78	-27	-13.78	223	118	H
1	5.725	-39.98	Pk	35.1	-23.5	11.8	0	-16.58	26.96	-43.54	223	118	H

Pk - Peak detector



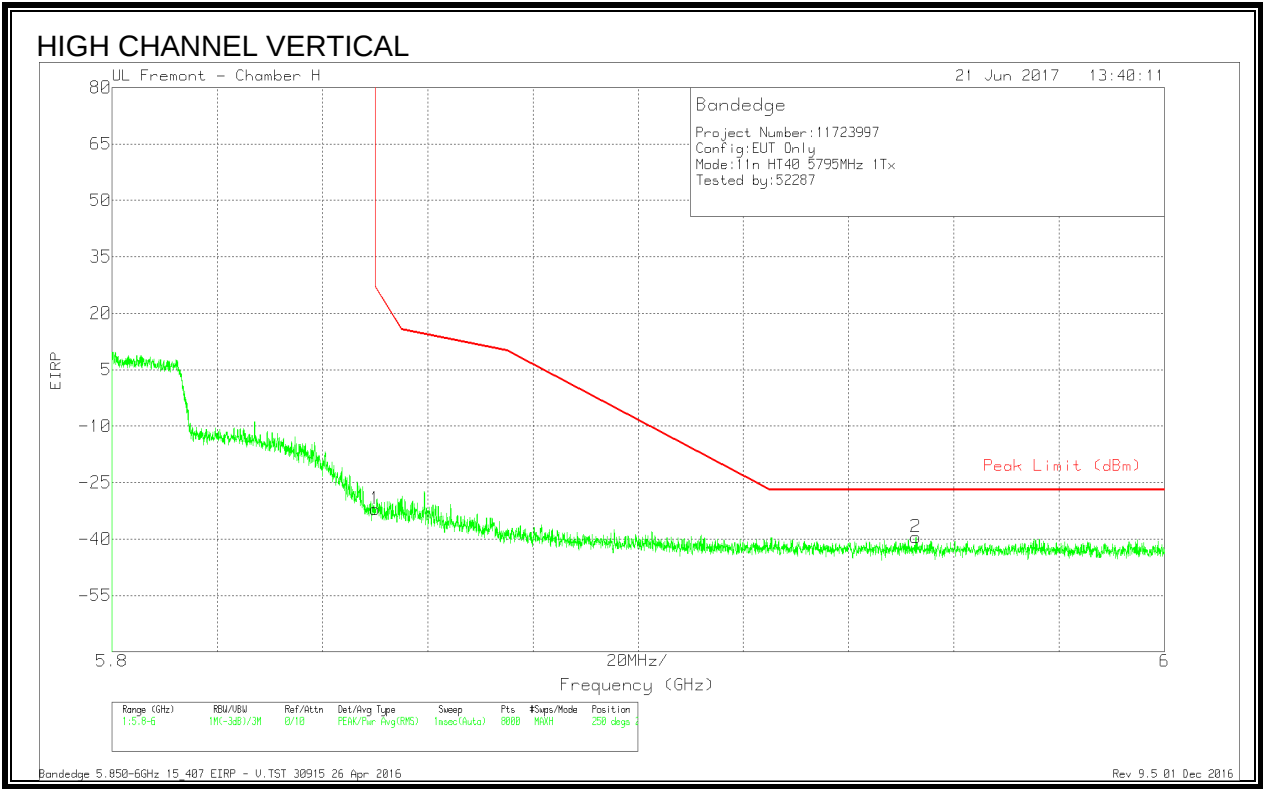
Marker	Frequenc y (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl/Fitr/Pa d (dB)	Conversion Factor (dB)	DC Corr (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.63	-63.27	Pk	34.9	-23.5	11.8	0	-40.07	-27	-13.07	70	104	V
1	5.725	-45.22	Pk	35.1	-23.5	11.8	0	-21.82	27	-48.82	70	104	V

Pk - Peak detector



Marker	Frequenc y (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/Pa d (dB)	Conversion Factor (dB)	DC Corr (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-62.74	Pk	35.4	-23.3	11.8	0	-38.84	26.98	-65.82	258	261	H
2	5.926	-63.68	Pk	35.5	-23.1	11.8	0	-39.48	-27	-12.48	258	261	H

Pk - Peak detector



Marker	Frequenc y (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl/Fitr/Pa d (dB)	Conversion Factor (dB)	DC Corr (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-55.98	Pk	35.4	-23.3	11.8	0	-32.08	26.99	-59.07	250	293	V
2	5.953	-63.69	Pk	35.5	-23.1	11.8	0	-39.49	-27	-12.49	250	293	V

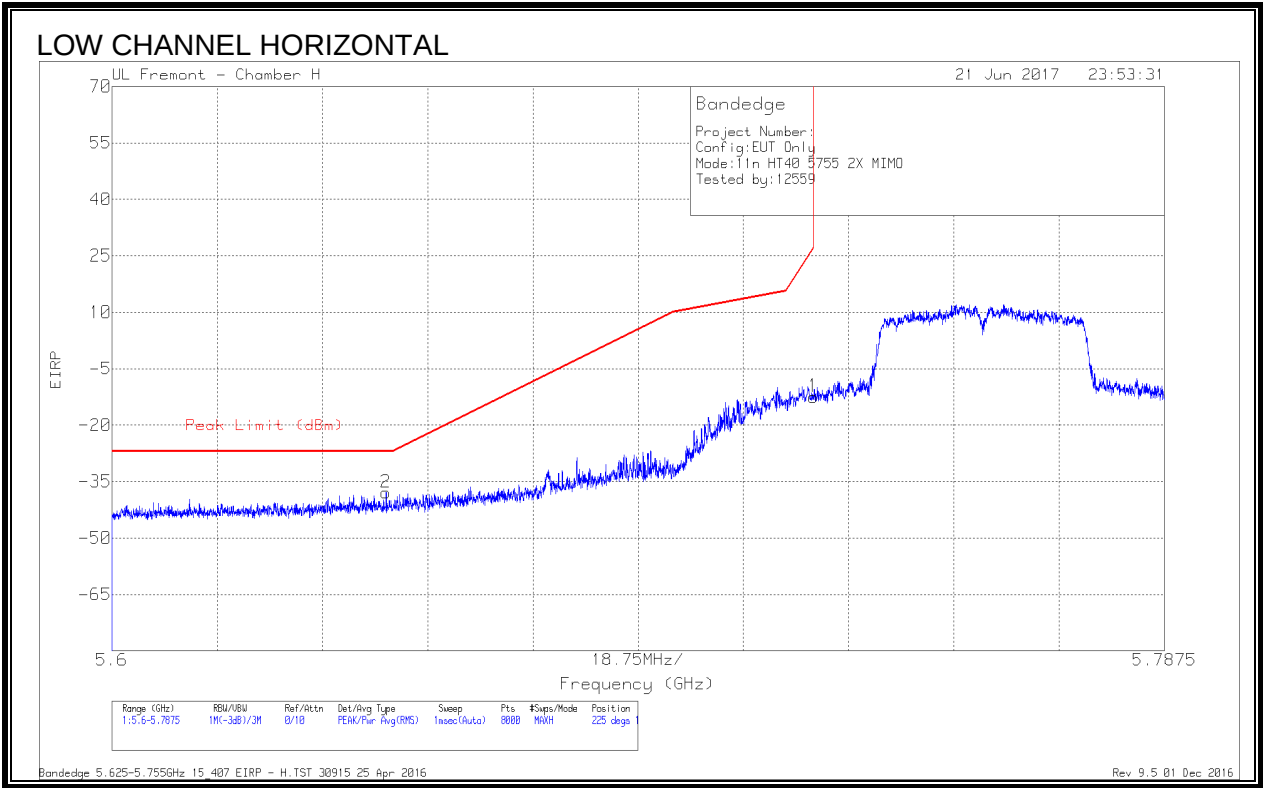
Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

NOTES: Covered by 11n HT40 2Tx

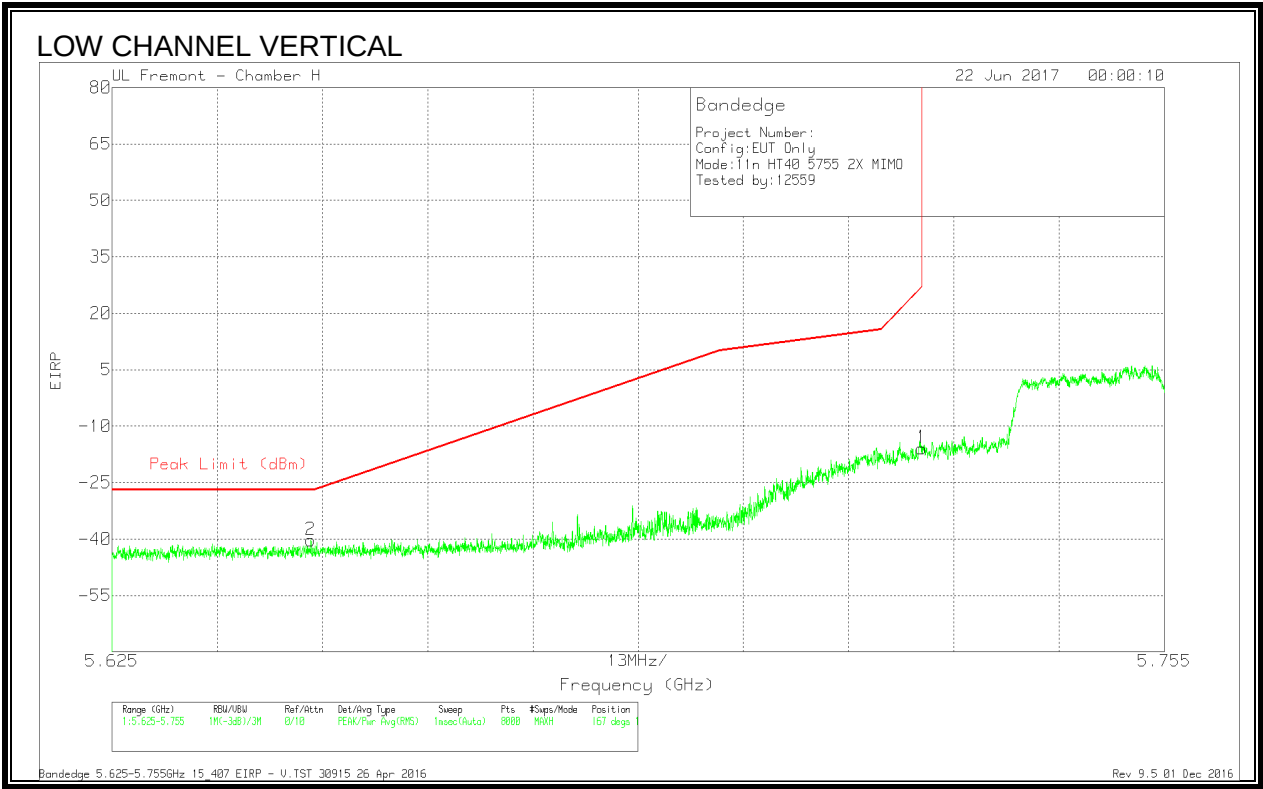
9.1.39. 11n HT40 2TX CDD MIMO MODE IN THE 5.8GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



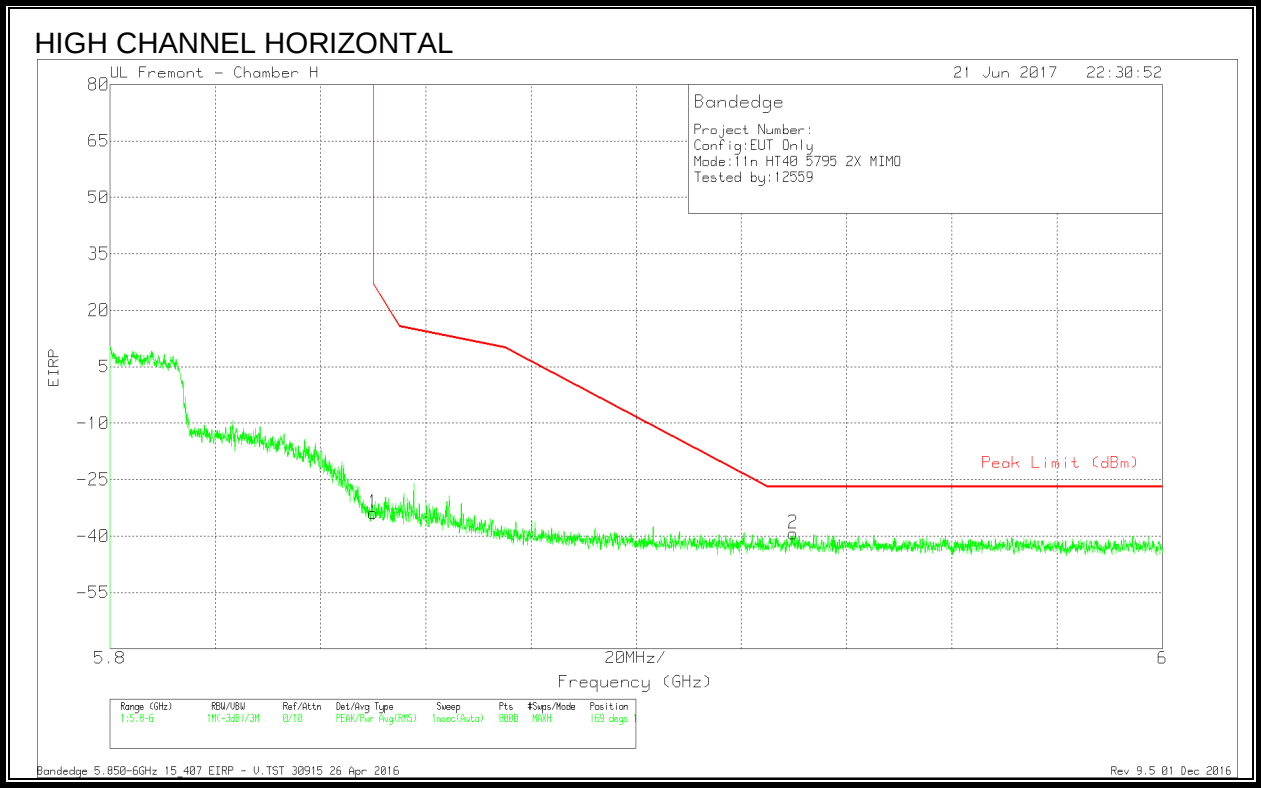
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.649	-61.02	Pk	34.9	-23.6	11.8	-37.92	-27	-10.92	225	102	H
1	5.725	-35.85	Pk	35.1	-23.5	11.8	-12.45	26.96	-39.41	225	102	H

Pk - Peak detector



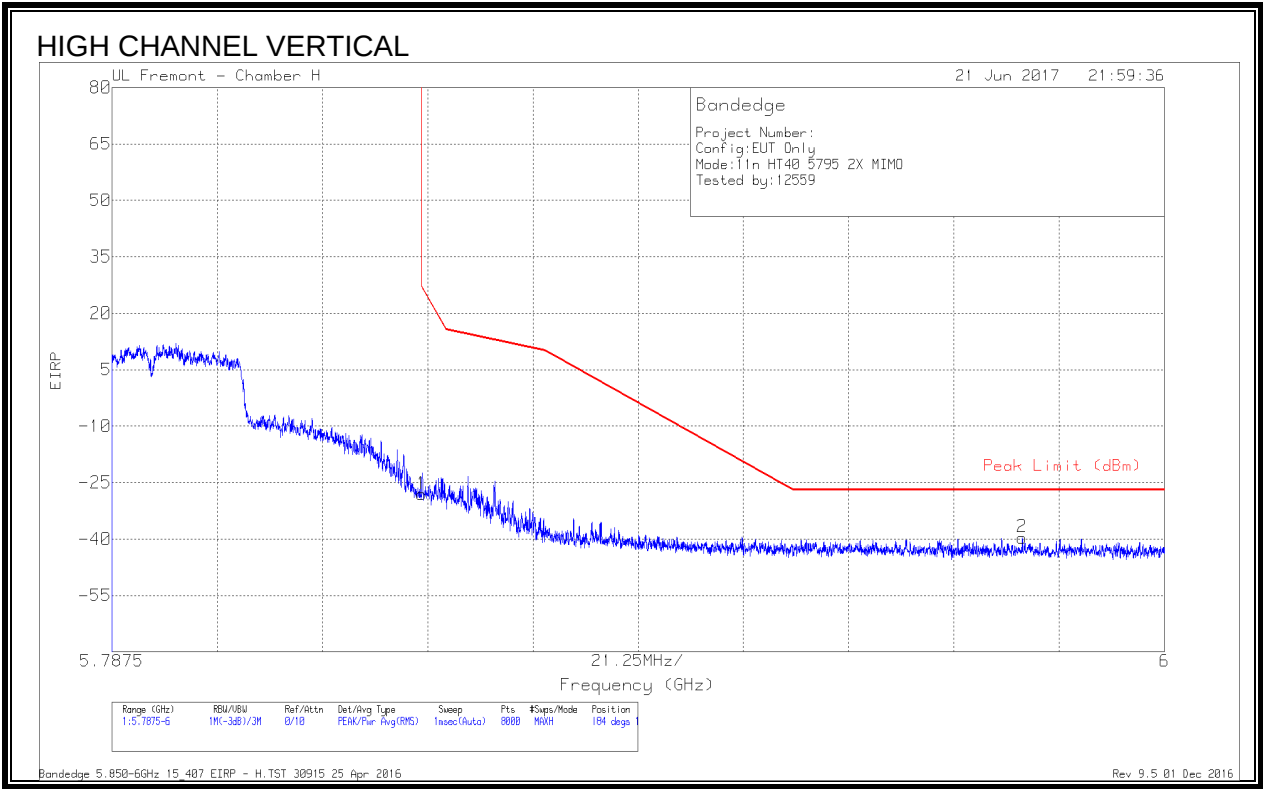
Marker	Frequenc y (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.65	-63.38	Pk	34.9	-23.6	11.8	-40.28	-27	-13.28	167	124	V
1	5.725	-39.25	Pk	35.1	-23.5	11.8	-15.85	27	-42.85	167	124	V

Pk - Peak detector



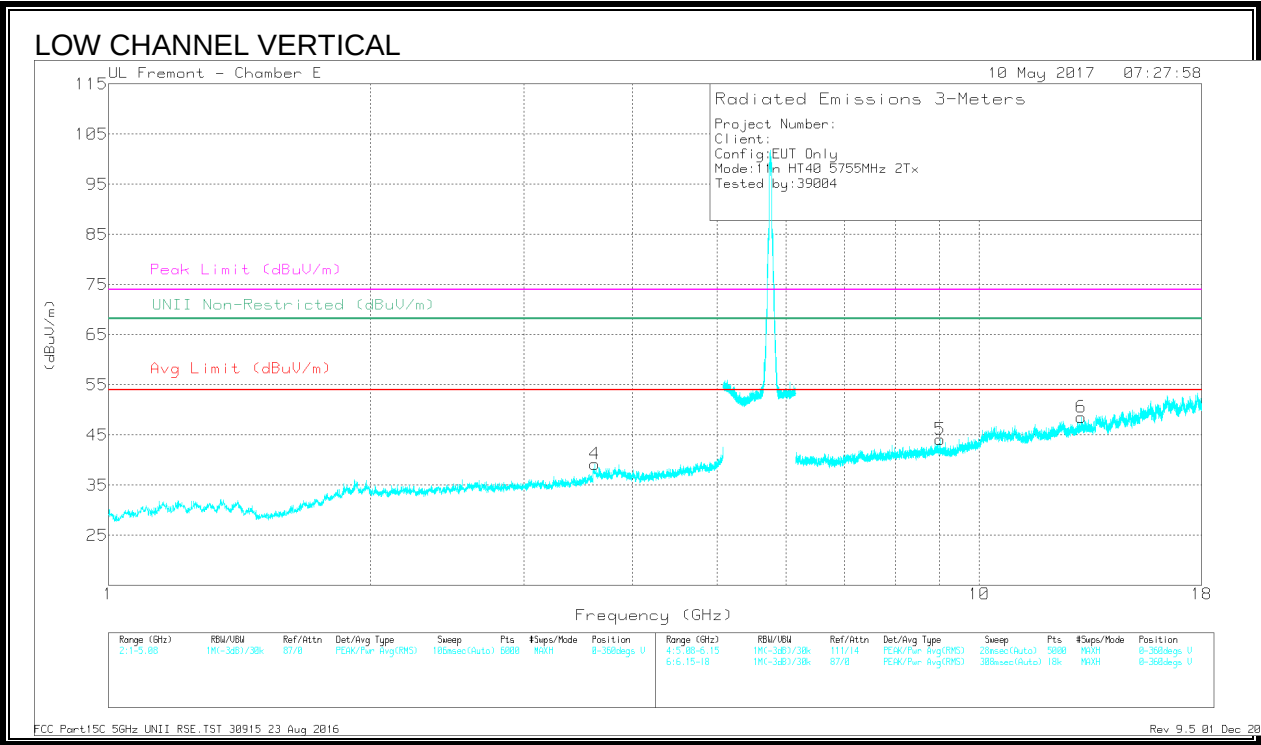
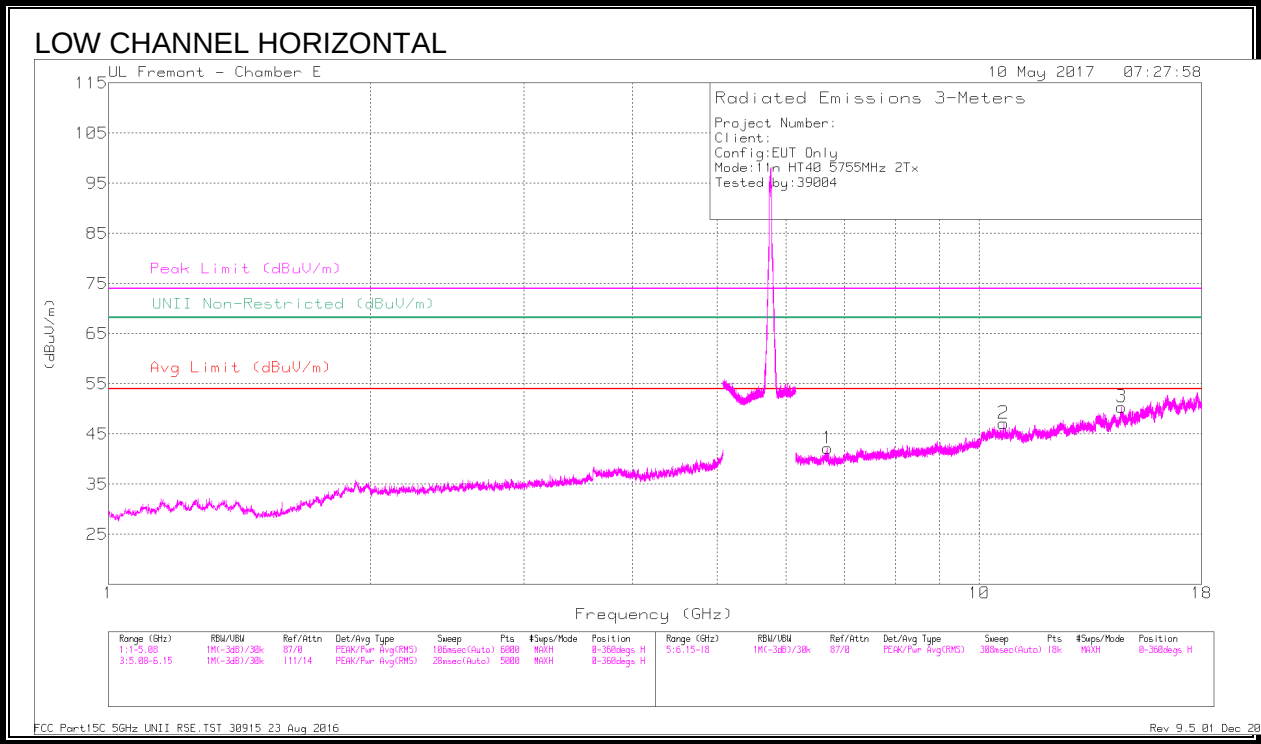
Marker	Frequenc y (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-57.73	Pk	35.4	-23.3	11.8	-33.83	26.99	-60.82	169	194	V
2	5.93	-63.45	Pk	35.5	-23.1	11.8	-39.25	-27	-12.25	169	194	V

Pk - Peak detector



Marker	Frequenc y (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-51.97	Pk	35.4	-23.3	11.8	-28.07	26.98	-55.05	184	101	H
2	5.971	-63.89	Pk	35.5	-23	11.8	-39.59	-27	-12.59	184	101	H

Pk - Peak detector



DATA

Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb l/Fitr/P ad (dB)	DC Corr (dB)	Correct ed Reading (dBuV/ m)	Avg Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	UNII Non- Restrict ed (dBuV/ m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 3.618	41.06	PK-U	34	-30.5	0	44.56	-	-	74	-29.44	-	-	112	215	V
	* 3.619	30.17	ADR	34	-30.5	.1	33.77	54	-20.23	-	-	-	-	112	215	V
2	* 10.662	36.5	PK-U	39.5	-22.9	0	53.1	-	-	74	-20.9	-	-	142	300	H
	* 10.662	25.14	ADR	39.5	-22.9	.1	41.84	54	-12.16	-	-	-	-	142	300	H
5	* 9.022	38.39	PK-U	37.8	-26.4	0	49.79	-	-	74	-24.21	-	-	77	125	V
	* 9.021	27.18	ADR	37.8	-26.3	.1	38.78	54	-15.22	-	-	-	-	77	125	V
1	6.696	39.36	PK-U	36.4	-27.9	0	47.86	-	-	-	-	68.2	-20.34	98	163	H
6	13.101	37.89	PK-U	41	-24.5	0	54.39	-	-	-	-	68.2	-13.81	15	135	V
3	14.561	37.2	PK-U	41.7	-22.4	0	56.5	-	-	-	-	68.2	-11.7	124	179	H

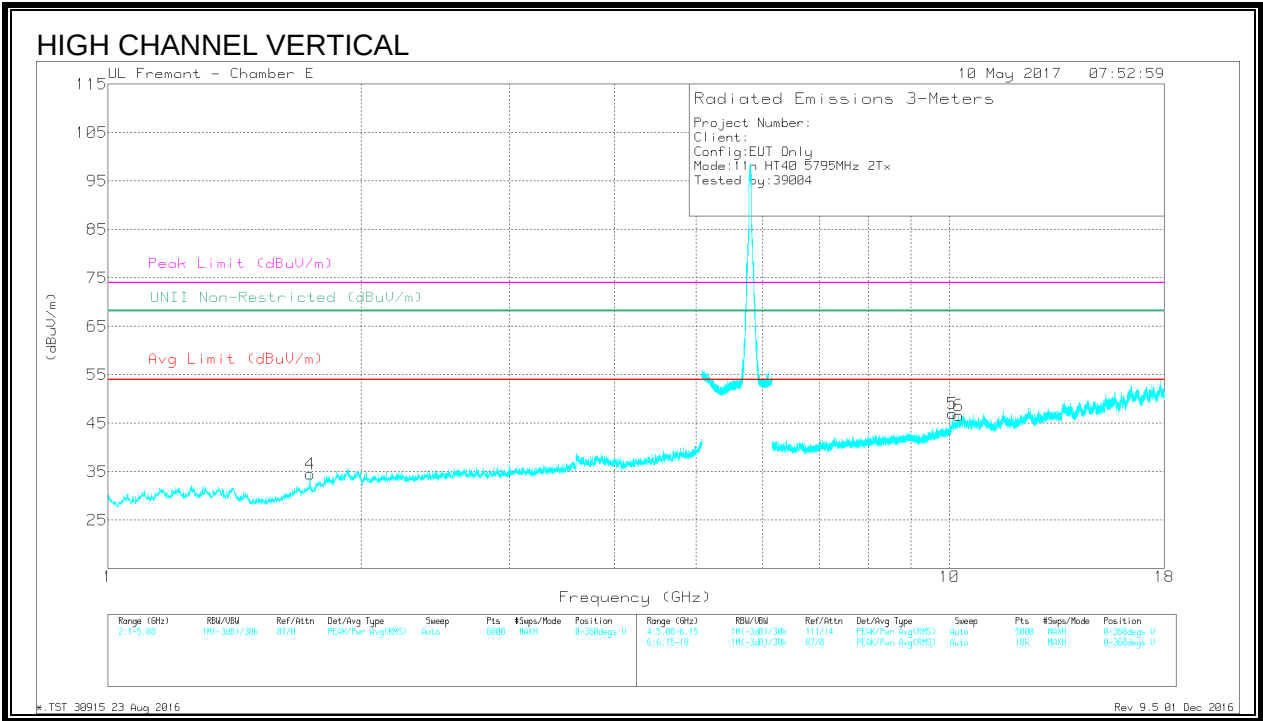
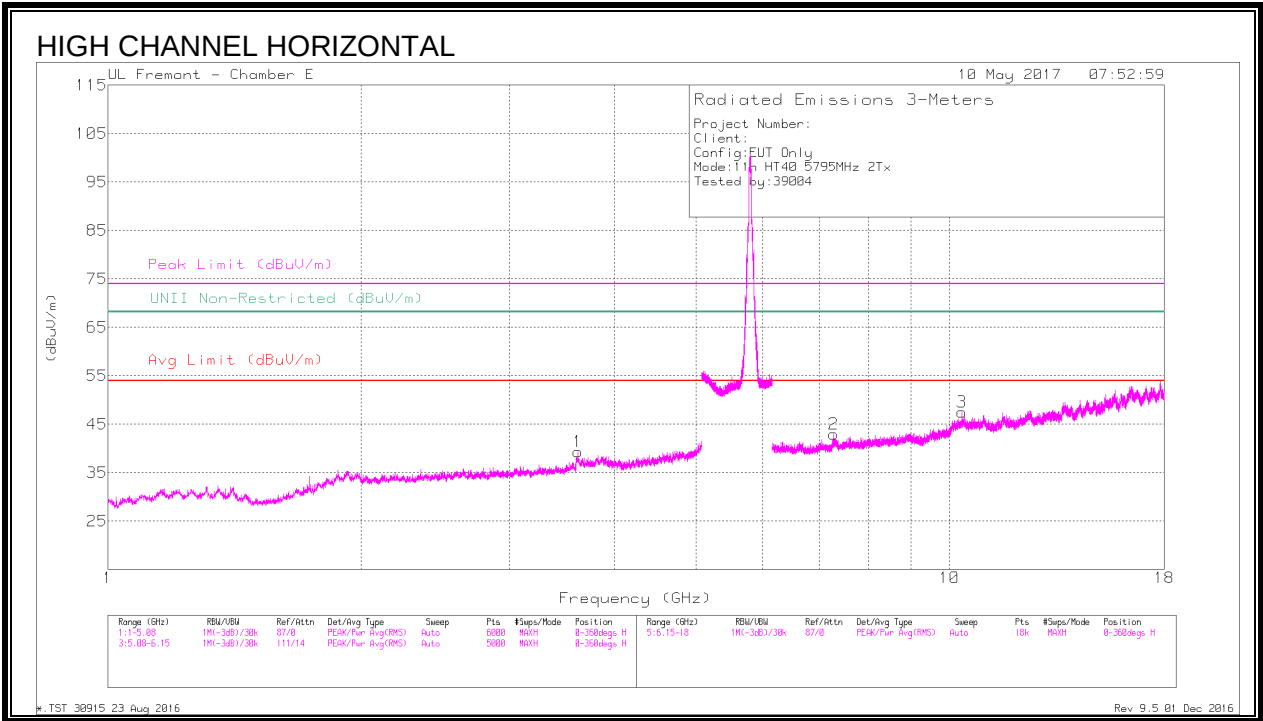
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

FCC Part15C 5GHz UNII RSE.TST 30915 23 Aug 2016

Rev 9.5 01 Dec 2016



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.617	41.55	PK-U	34	-30.5	0	45.05	-	-	74	-28.95	-	-	97	105	H
	* 3.618	29.91	ADR	34	-30.5	.1	33.51	54	-20.49	-	-	-	-	97	105	H
2	* 7.289	38.77	PK-U	36.7	-26.3	0	49.17	-	-	74	-24.83	-	-	27	309	H
	* 7.289	26.75	ADR	36.7	-26.3	.1	37.25	54	-16.75	-	-	-	-	27	309	H
4	1.737	44.75	PK-U	30.2	-34	0	40.95	-	-	-	-	68.2	-27.25	35	120	V
5	10.079	36.15	PK-U	38.9	-22.7	0	52.35	-	-	-	-	68.2	-15.85	55	231	V
6	10.261	36.56	PK-U	39.8	-24.3	0	52.06	-	-	-	-	68.2	-16.14	65	230	V
3	10.339	37.31	PK-U	39.9	-24	0	53.21	-	-	-	-	68.2	-14.99	45	125	H

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

PK-U - U-NII: Maximum Peak

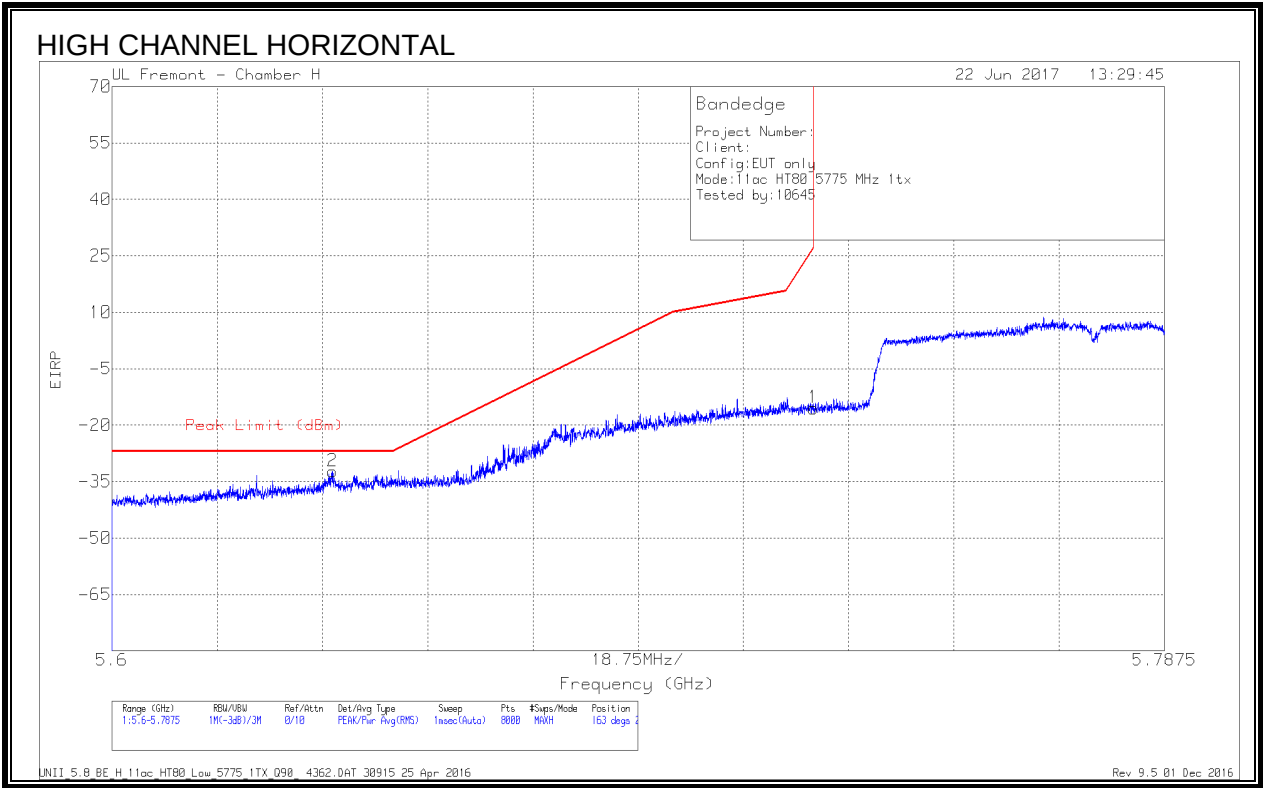
ADR - U-NII AD primary method, RMS average

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Rev 9.5 01 Dec 2016

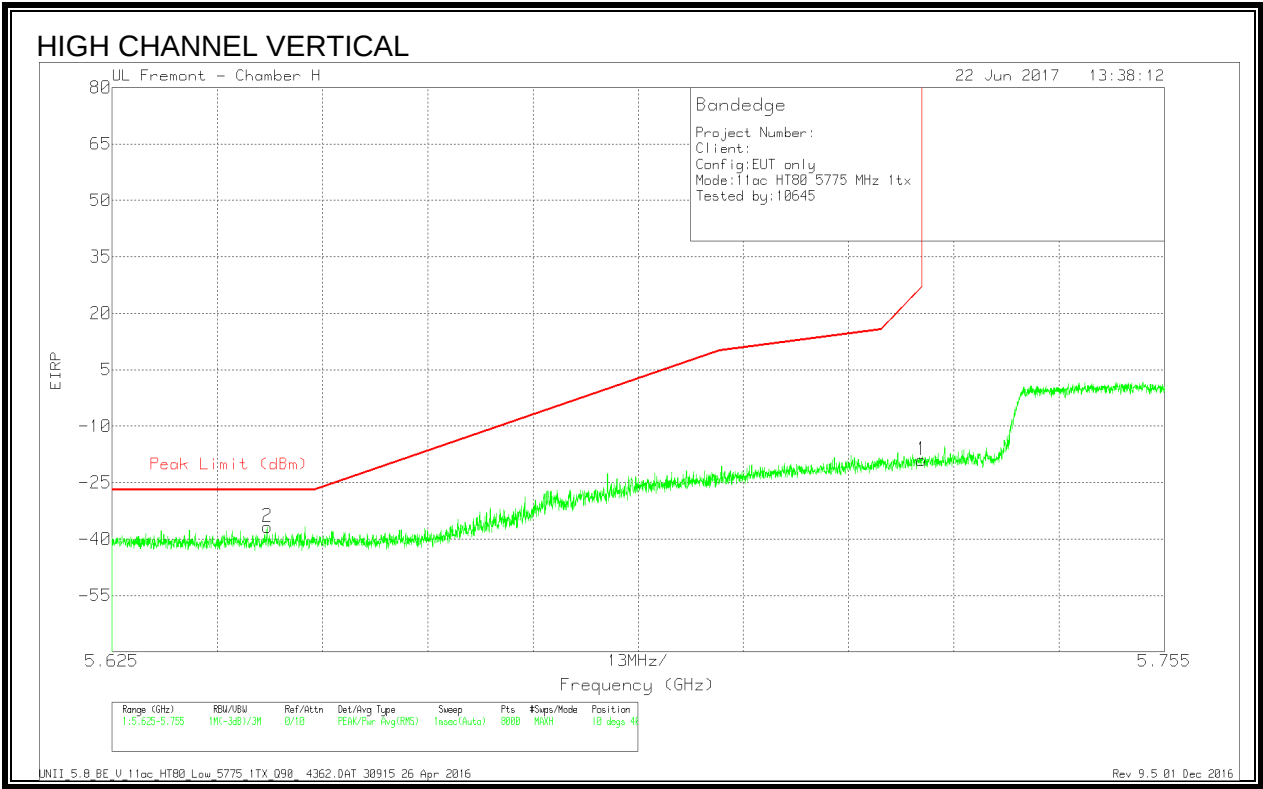
9.1.40. 11ac HT80 UAT 2 SISO MODE IN THE 5.8GHz BAND

RESTRICTED BANDEDGE (HIGH CHANNEL)



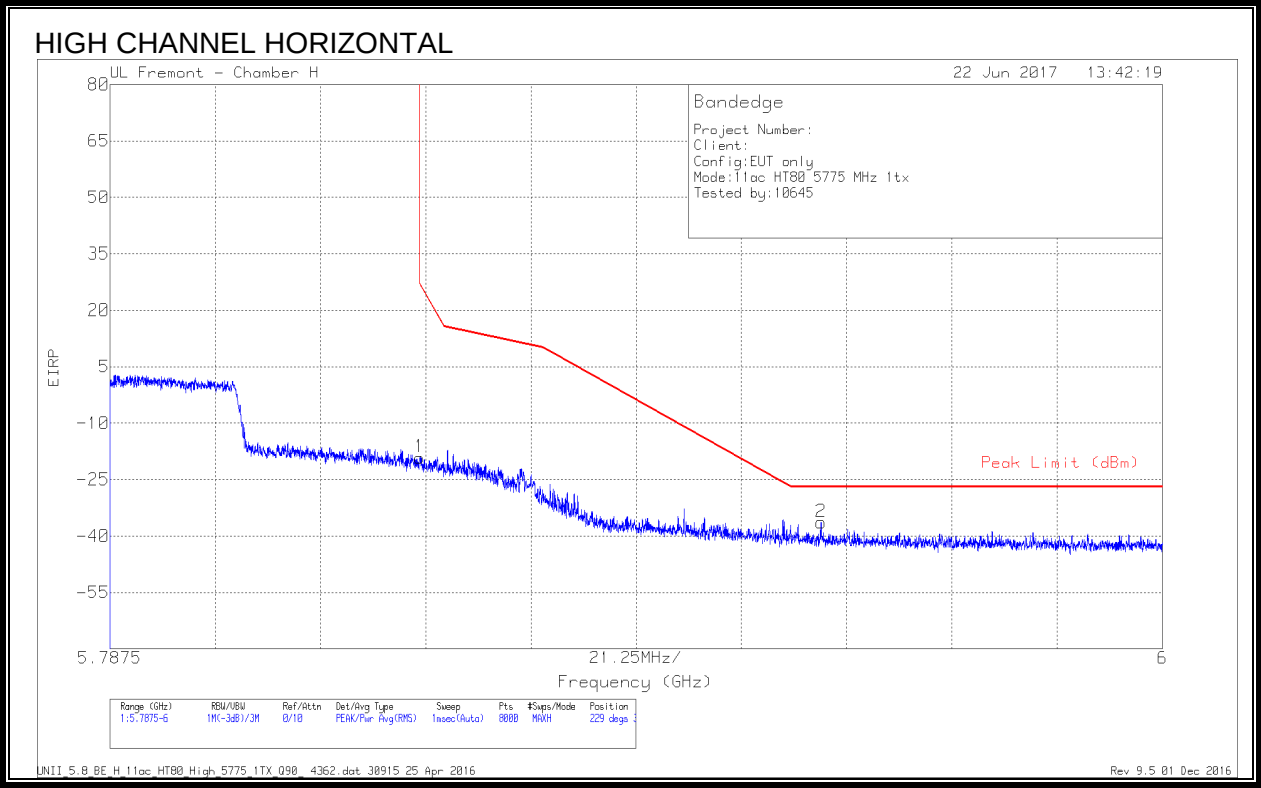
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarization
2	5.639	-55.37	Pk	34.9	-23.6	11.8	-32.27	-27	-5.27	163	230	H
1	5.725	-38.9	Pk	35.1	-23.5	11.8	-15.5	26.96	-42.46	163	230	H

Pk - Peak detector
UNII_5.8_BE_H_11ac_HT80_Low_5775_1TX_Q90_4362.DAT 30915 25 Apr 2016
Rev 9.5 01 Dec 2016



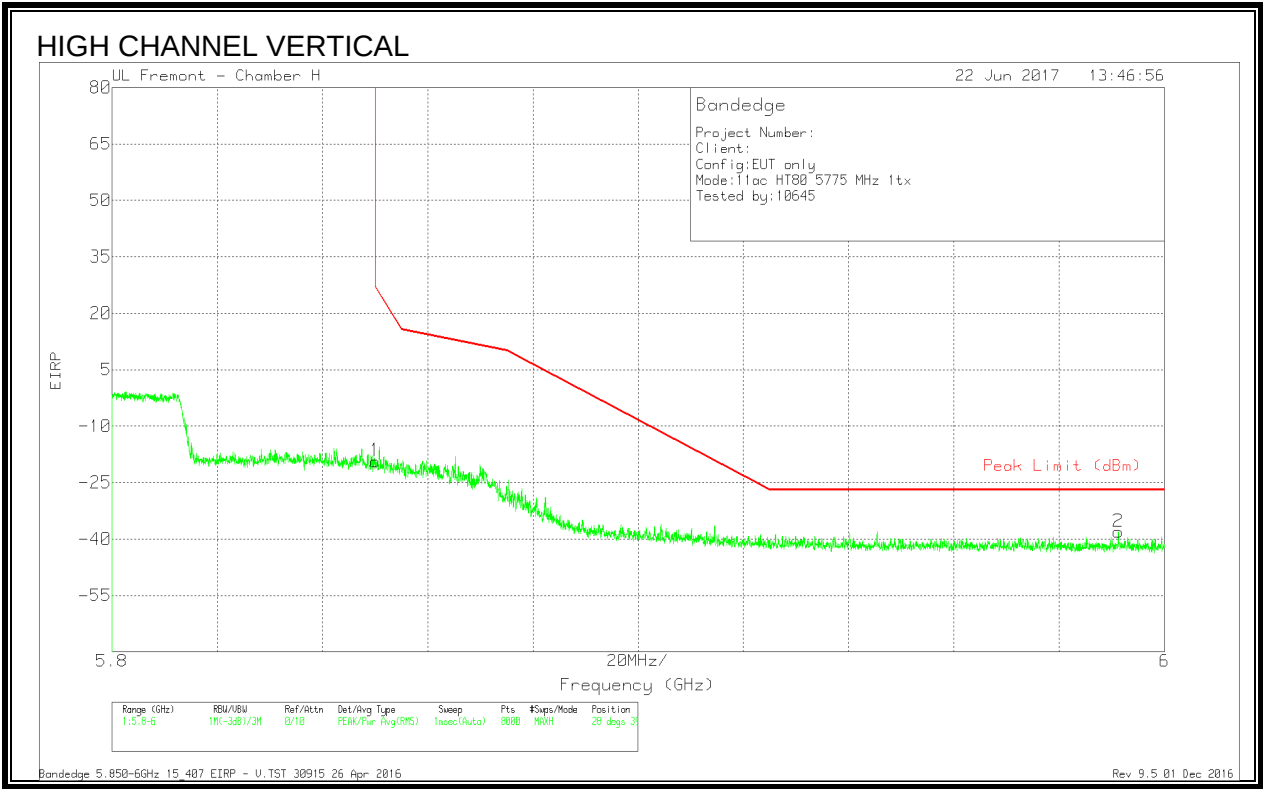
Marker	Frequenc y (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Conversion Factor (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.644	-59.82	Pk	34.9	-23.6	11.8	-36.72	-27	-9.72	10	400	V
1	5.725	-42.37	Pk	35.1	-23.5	11.8	-18.97	27	-45.97	10	400	V

Pk - Peak detector
UNII_5.8_BE_V_11ac_HT80_Low_5775_1TX_Q90_4362.DAT 30915 26 Apr 2016
Rev 9.5 01 Dec 2016



Marker	Frequenc y (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl/Filtri/P ad (dB)	Conversion Factor (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-43.01	Pk	35.4	-23.3	11.8	-19.11	26.98	-46.09	229	346	H
2	5.931	-60.52	Pk	35.5	-23.1	11.8	-36.32	-27	-9.32	229	346	H

Pk - Peak detector
UNII_5.8_BE_H_11ac_HT80_High_5775_1TX_Q90_4362.dat 30915 25 Apr 2016
Rev 9.5 01 Dec 2016



Marker	Frequenc y (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Conversion Factor (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-43.23	Pk	35.4	-23.3	11.8	-19.33	26.99	-46.32	28	399	V
2	5.991	-62.37	Pk	35.5	-23	11.8	-38.07	-27	-11.07	28	399	V

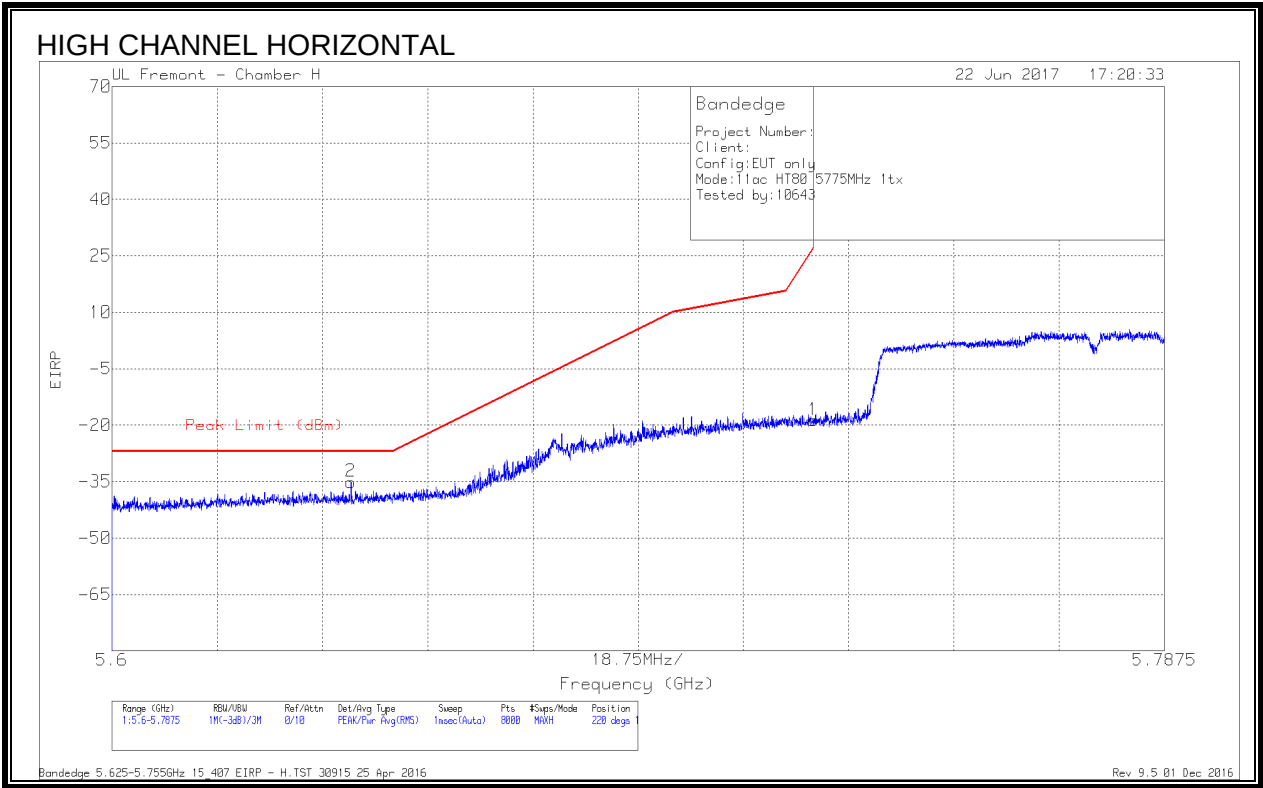
Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

NOTES: Covered by 11ac VHT80 CDD 2TX Testing

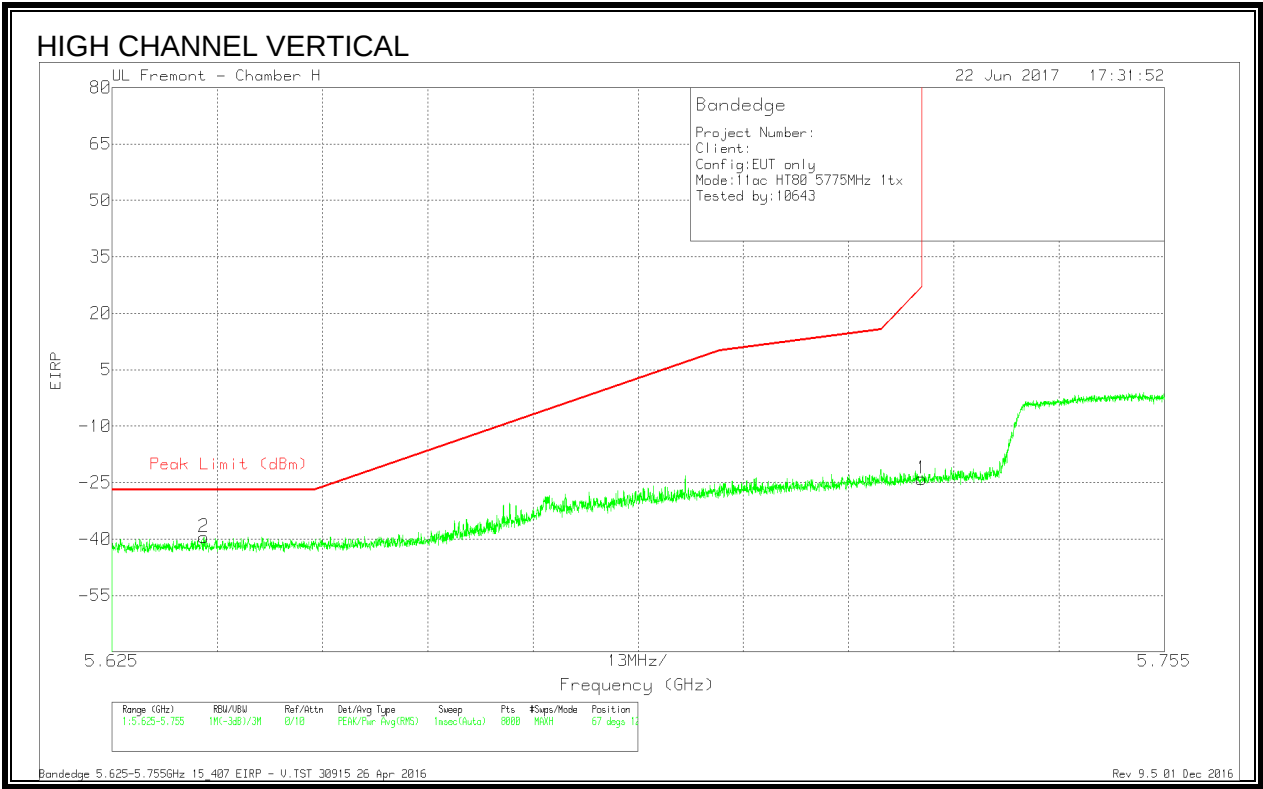
9.1.41. 11ac HT80 LAT 3 SISO MODE IN THE 5.8GHz BAND

RESTRICTED BANDEDGE (HIGH CHANNEL)



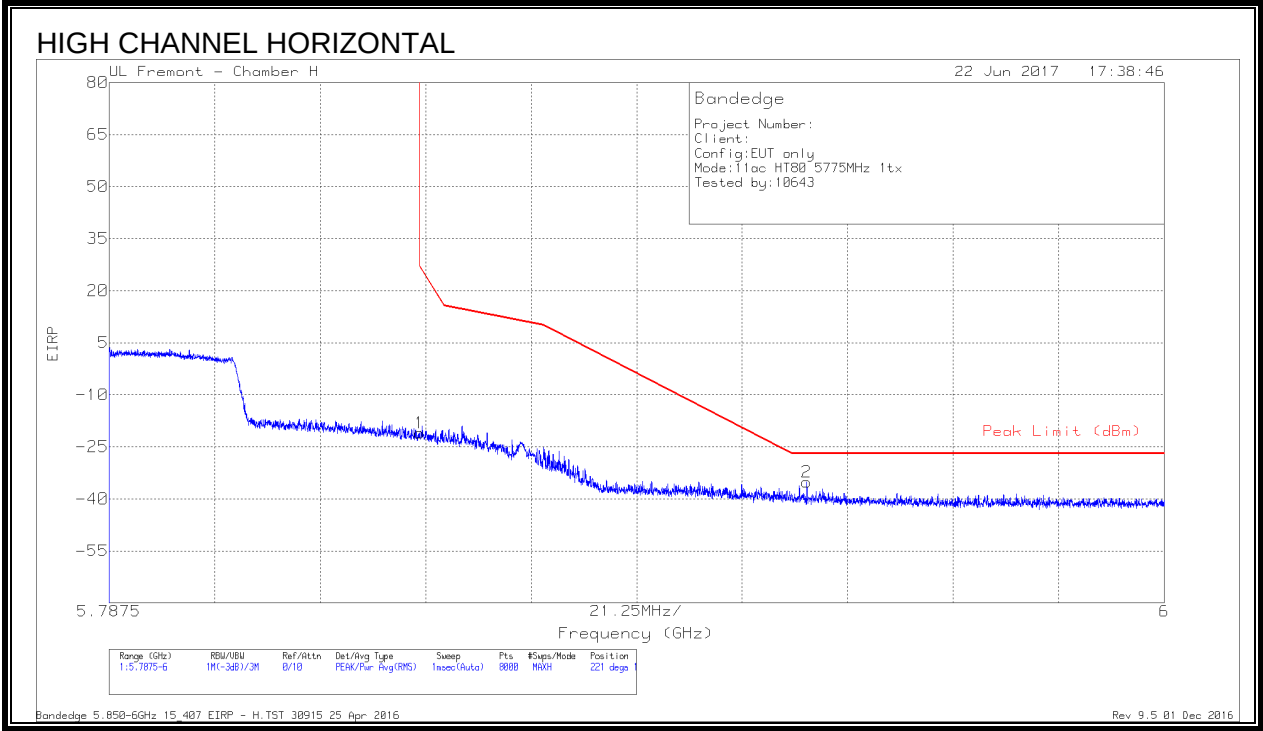
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.643	-58.19	Pk	34.9	-23.6	11.8	-35.09	-27	-8.09	220	114	H
1	5.725	-42.08	Pk	35.1	-23.5	11.8	-18.68	26.96	-45.64	220	114	H

Pk - Peak detector



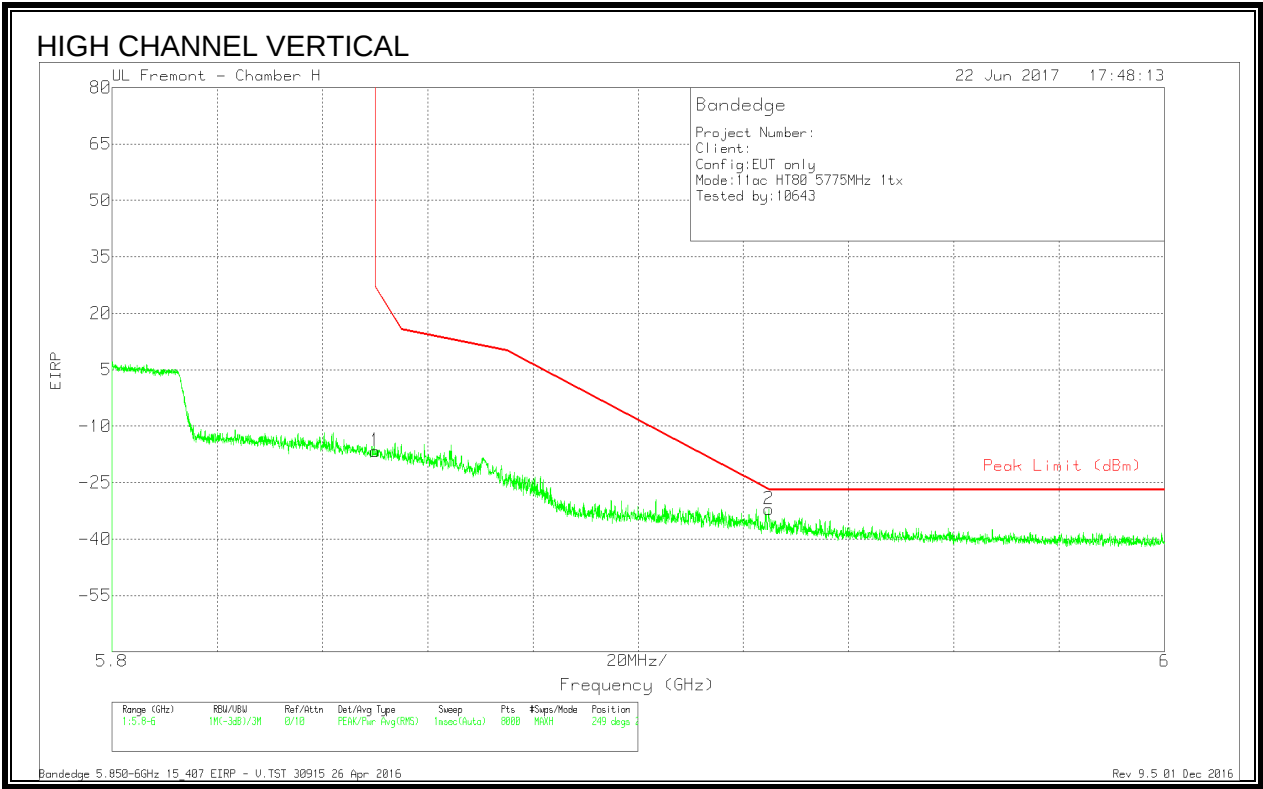
Marker	Frequenc y (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Conversion Factor (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.636	-62.58	Pk	34.9	-23.6	11.8	-39.48	-27	-12.48	67	123	V
1	5.725	-47.38	Pk	35.1	-23.5	11.8	-23.98	27	-50.98	67	123	V

Pk - Peak detector



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-44.91	Pk	35.4	-23.3	11.8	-21.01	26.98	-47.99	221	121	H
2	5.928	-59.35	Pk	35.5	-23.1	11.8	-35.15	-27	-8.15	221	121	H

Pk - Peak detector



Marker	Frequenc y (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-40.53	Pk	35.4	-23.3	11.8	-16.63	26.99	-43.62	249	246	V
2	5.925	-56.28	Pk	35.5	-23.1	11.8	-32.08	-26.86	-5.22	249	246	V

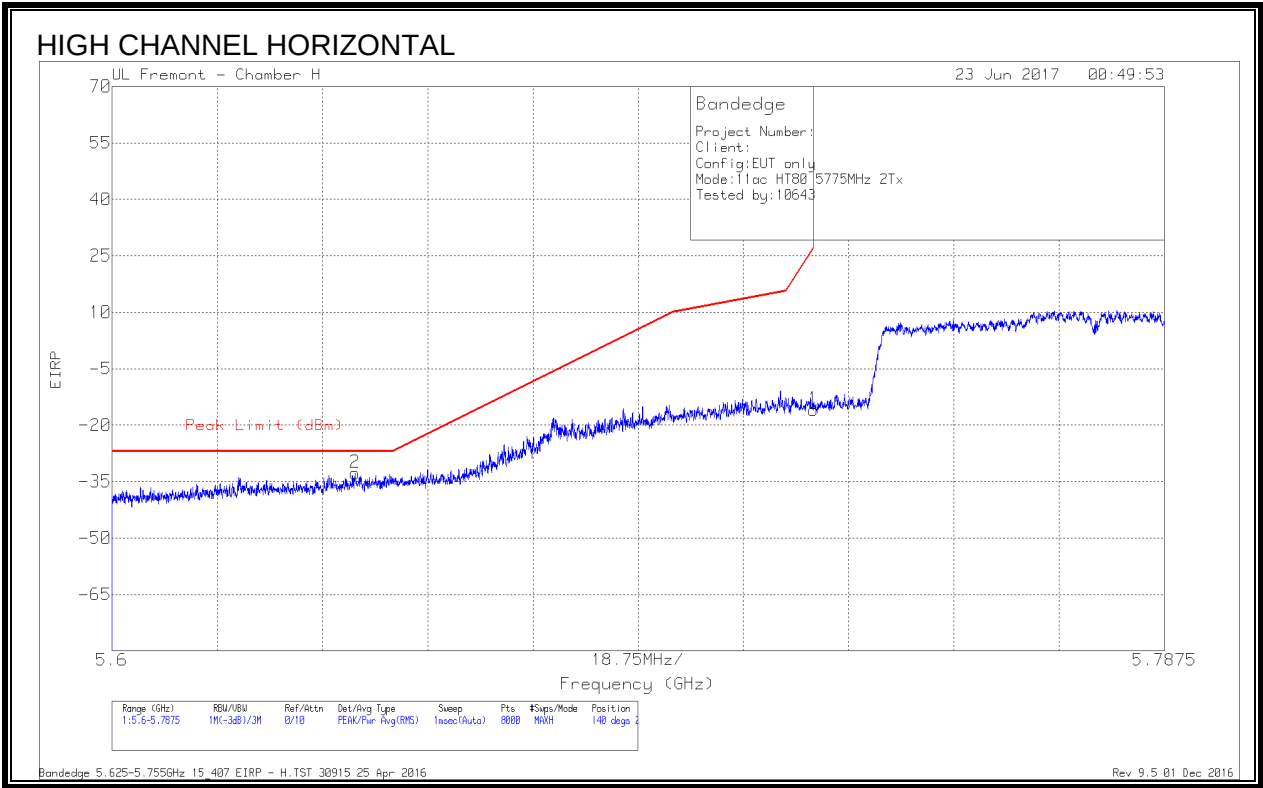
Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

NOTES: Covered by 11ac VHT80 CDD 2TX Testing

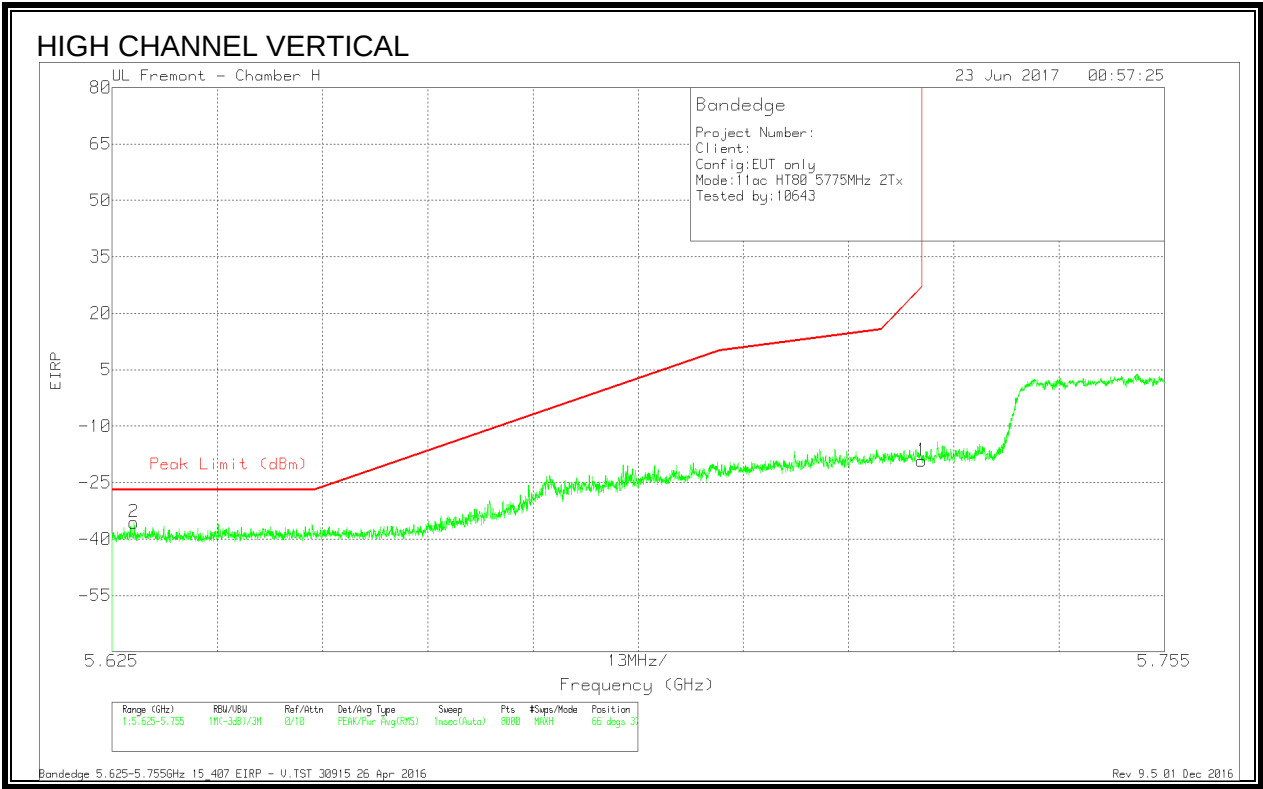
9.1.42. 11ac HT80 2TX CDD MIMO MODE IN THE 5.8GHz BAND

RESTRICTED BANDEDGE (HIGH CHANNEL)



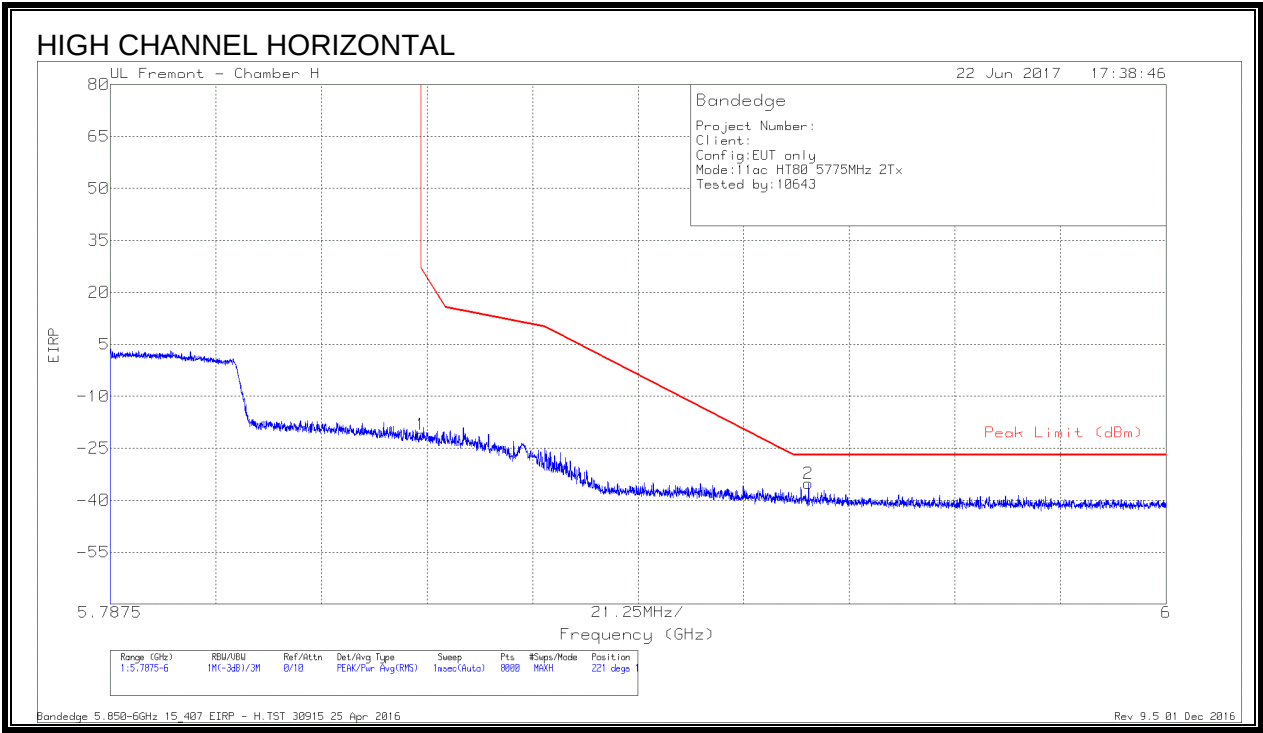
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.643	-55.82	Pk	34.9	-23.6	11.8	-32.72	-27	-5.72	140	223	H
1	5.725	-39.33	Pk	35.1	-23.5	11.8	-15.93	26.96	-42.89	140	223	H

Pk - Peak detector



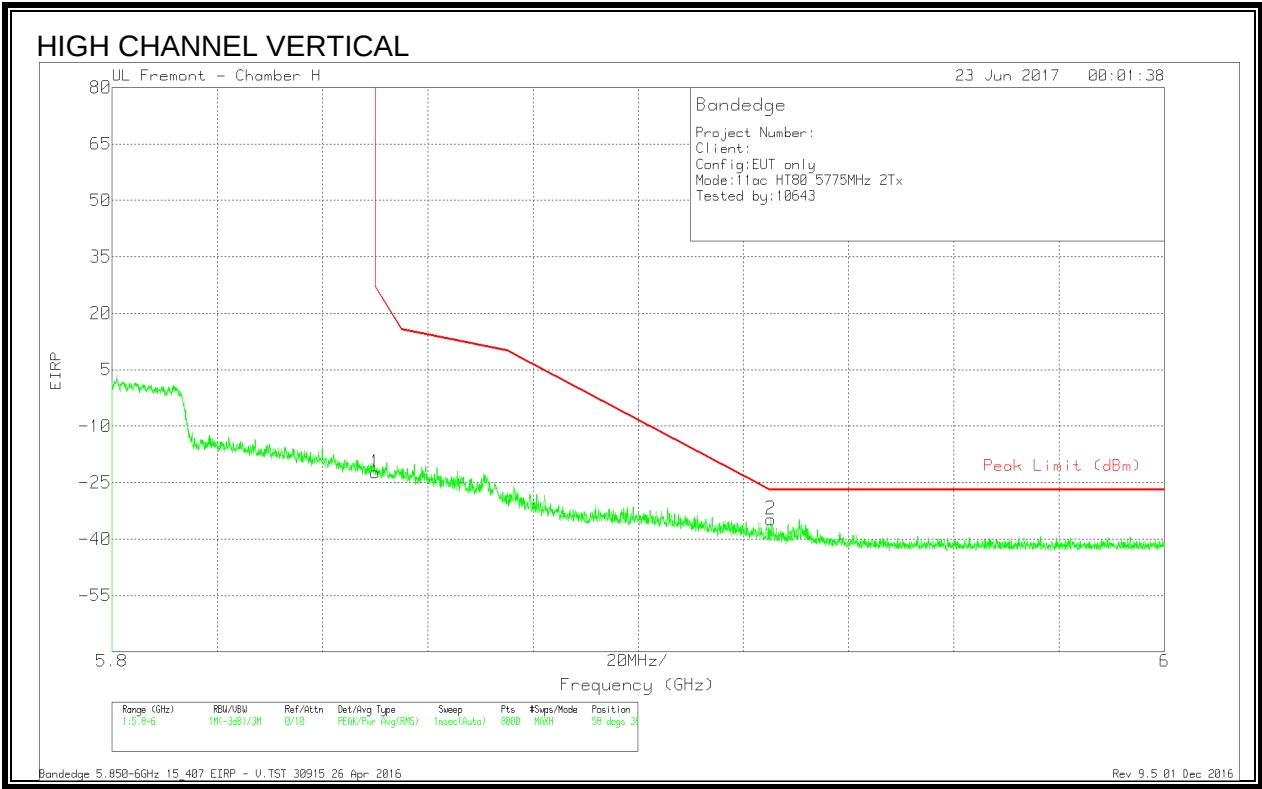
Marker	Frequenc y (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.628	-58.79	Pk	34.9	-23.5	11.8	-35.59	-27	-8.59	66	375	V
1	5.725	-42.61	Pk	35.1	-23.5	11.8	-19.21	27	-46.21	66	375	V

Pk - Peak detector



Marker	Frequenc y (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Conversion Factor (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-44.91	Pk	35.4	-23.3	11.8	-21.01	26.98	-47.99	221	121	H
2	5.928	-59.35	Pk	35.5	-23.1	11.8	-35.15	-27	-8.15	221	121	H

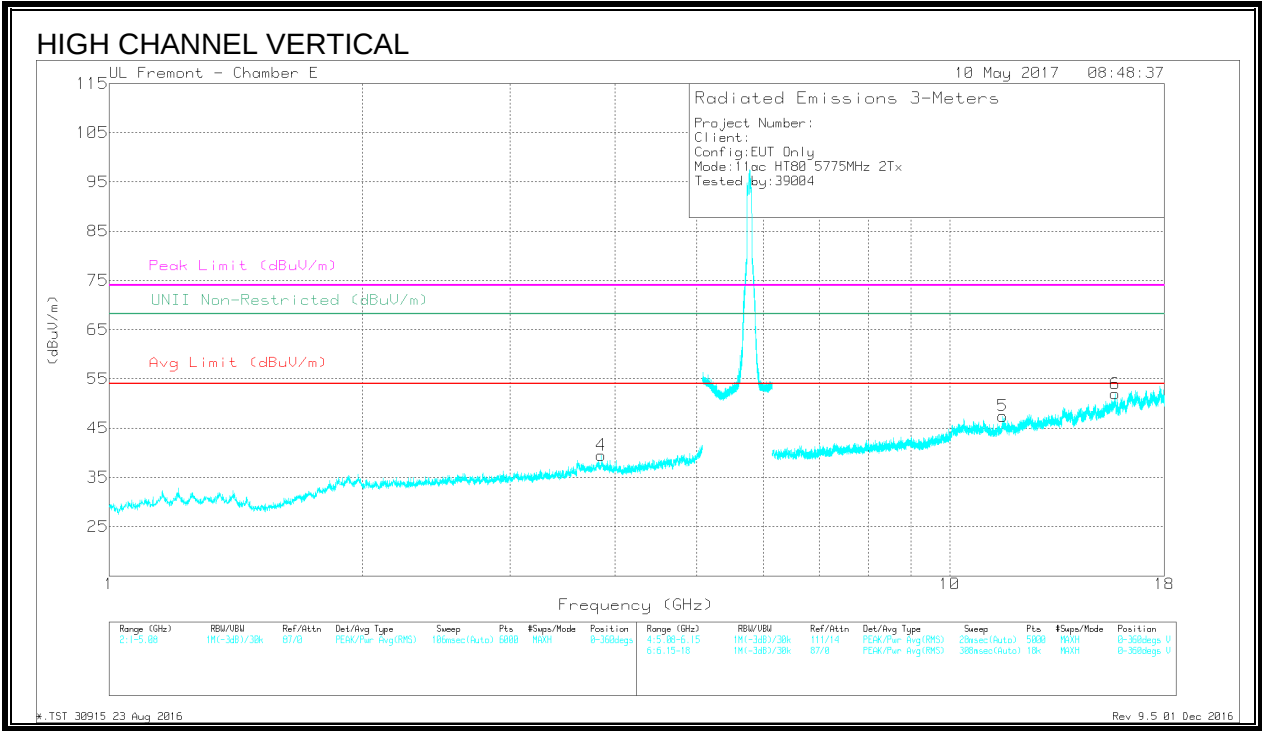
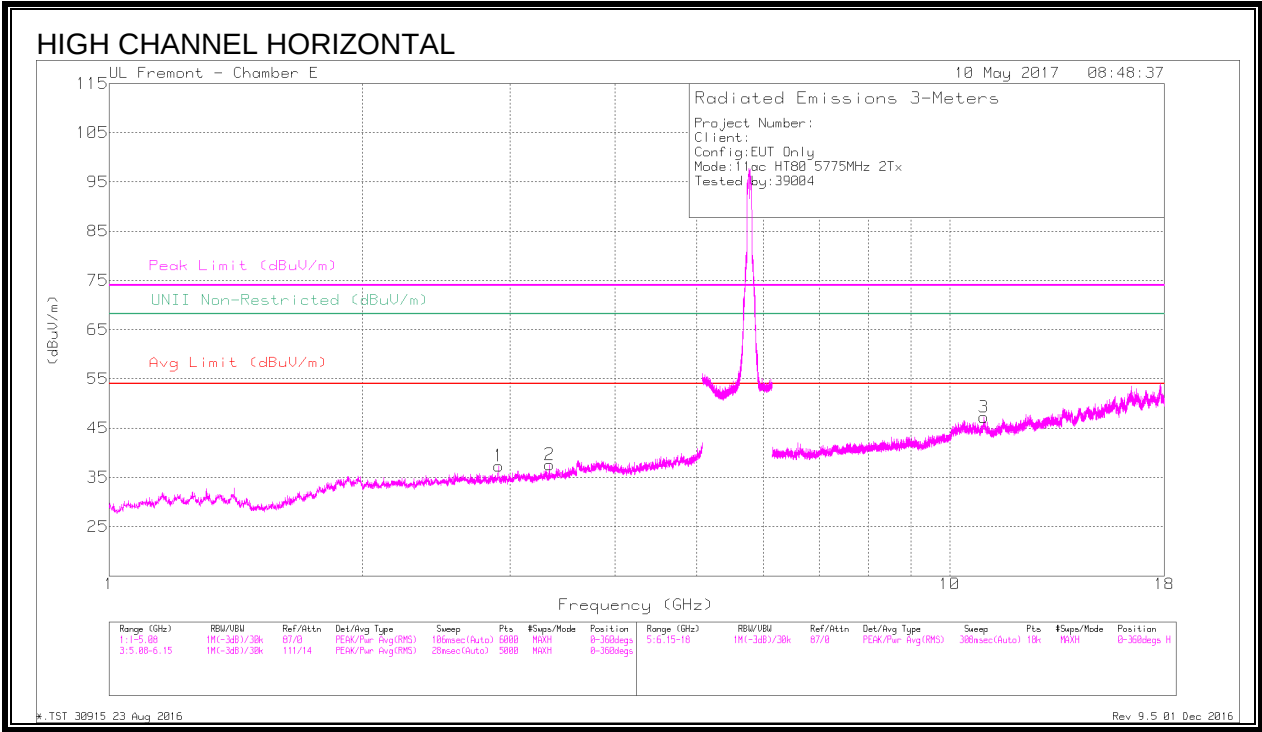
Pk - Peak detector



Marker	Frequenc y (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-46.16	Pk	35.4	-23.3	11.8	-22.26	26.99	-49.25	58	364	V
2	5.925	-58.96	Pk	35.5	-23.1	11.8	-34.76	-27	-7.76	58	364	V

Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequen cy (GHz)	Meter Readin g (dBuV)	Det	AF T136 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	DC Corr (dB)	Correct ed Readin g (dBuV/ m)	Avg Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	UNII Non- Restrict ed (dBuV/ m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 3.848	41.18	PK-U	34.3	-29.9	0	45.58	-	-	74	-28.42	-	-	137	310	V
	* 3.85	29.8	ADR	34.3	-29.8	.2	34.5	54	-19.5	-	-	-	-	137	310	V
3	* 10.987	36.34	PK-U	39.5	-22.1	0	53.74	-	-	74	-20.26	-	-	342	148	H
	* 10.989	24.6	ADR	39.5	-22.1	.2	42.2	54	-11.8	-	-	-	-	342	148	H
5	* 11.57	36.16	PK-U	39.4	-21.9	0	53.66	-	-	74	-20.34	-	-	246	179	V
	* 11.569	24.48	ADR	39.4	-21.9	.2	42.08	54	-11.92	-	-	-	-	246	179	V
6	* 15.735	37.01	PK-U	43.4	-21.7	0	58.71	-	-	74	-15.29	-	-	109	303	V
	* 15.732	25.2	ADR	43.4	-21.6	.2	47.2	54	-6.8	-	-	-	-	109	303	V
1	2.906	42.29	PK-U	32.7	-31.1	0	43.89	-	-	-	-	68.2	-24.31	116	204	H
2	3.341	41.97	PK-U	33.2	-31.4	0	43.77	-	-	-	-	68.2	-24.43	332	235	H

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

PK-U - U-NII: Maximum Peak

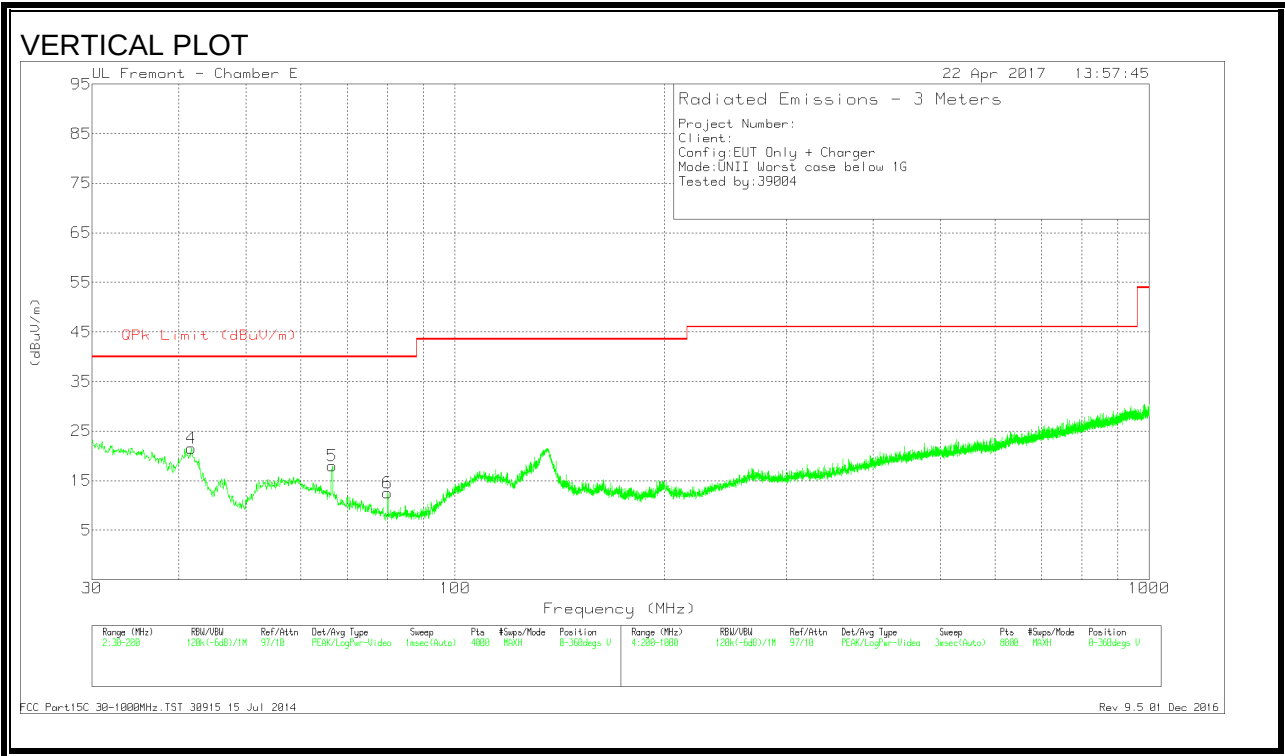
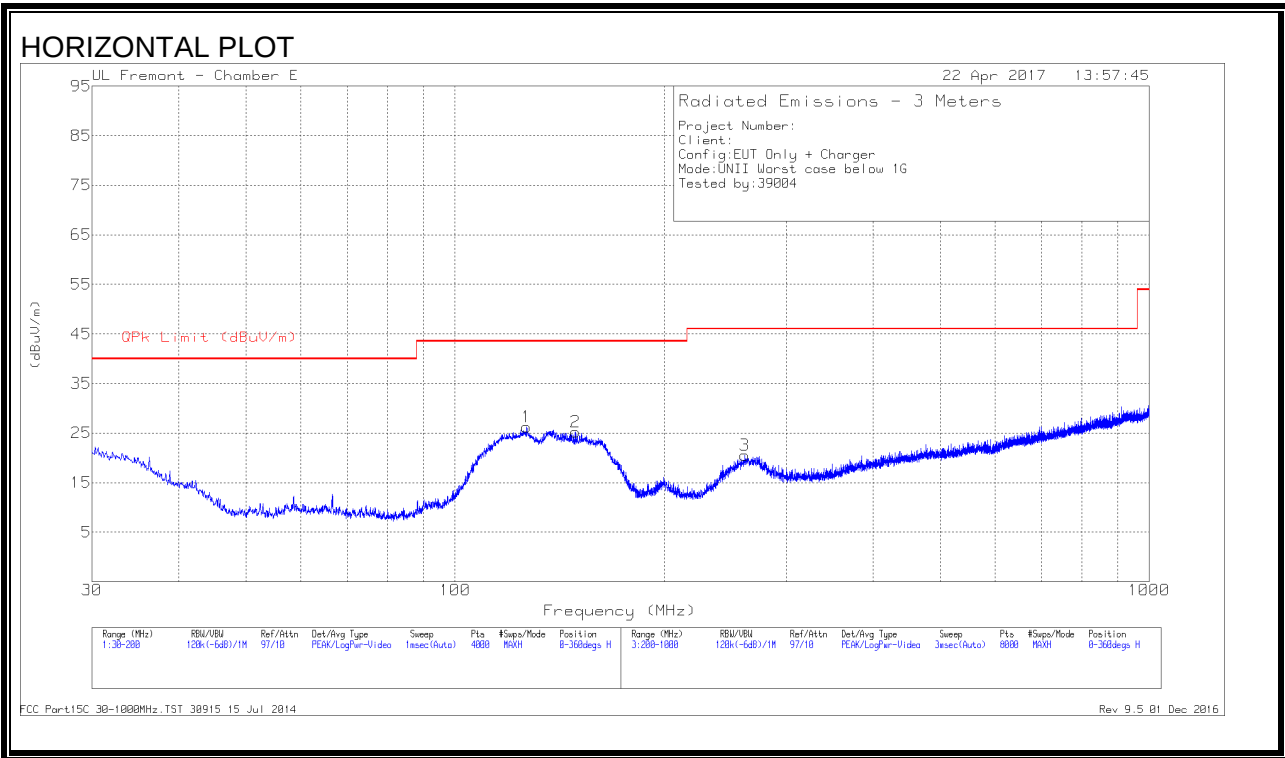
ADR - U-NII AD primary method, RMS average

*.TST 30915 23 Aug 2016

Rev 9.5 01 Dec 2016

9.2. WORST-CASE BELOW 1 GHz

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



DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T899 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 126.8826	39.11	Pk	17.7	-30.6	26.21	43.52	-17.31	0-360	200	H
3	* 261.408	33.69	Pk	16.4	-29.6	20.49	46.02	-25.53	0-360	100	H
4	41.733	36.17	Pk	16.9	-31.5	21.57	40	-18.43	0-360	100	V
5	66.602	37.05	Pk	12.1	-31.2	17.95	40	-22.05	0-360	100	V
6	79.9929	32.37	Pk	11.2	-31	12.57	40	-27.43	0-360	100	V
2	149.0308	39.11	Pk	16.5	-30.4	25.21	43.52	-18.31	0-360	200	H

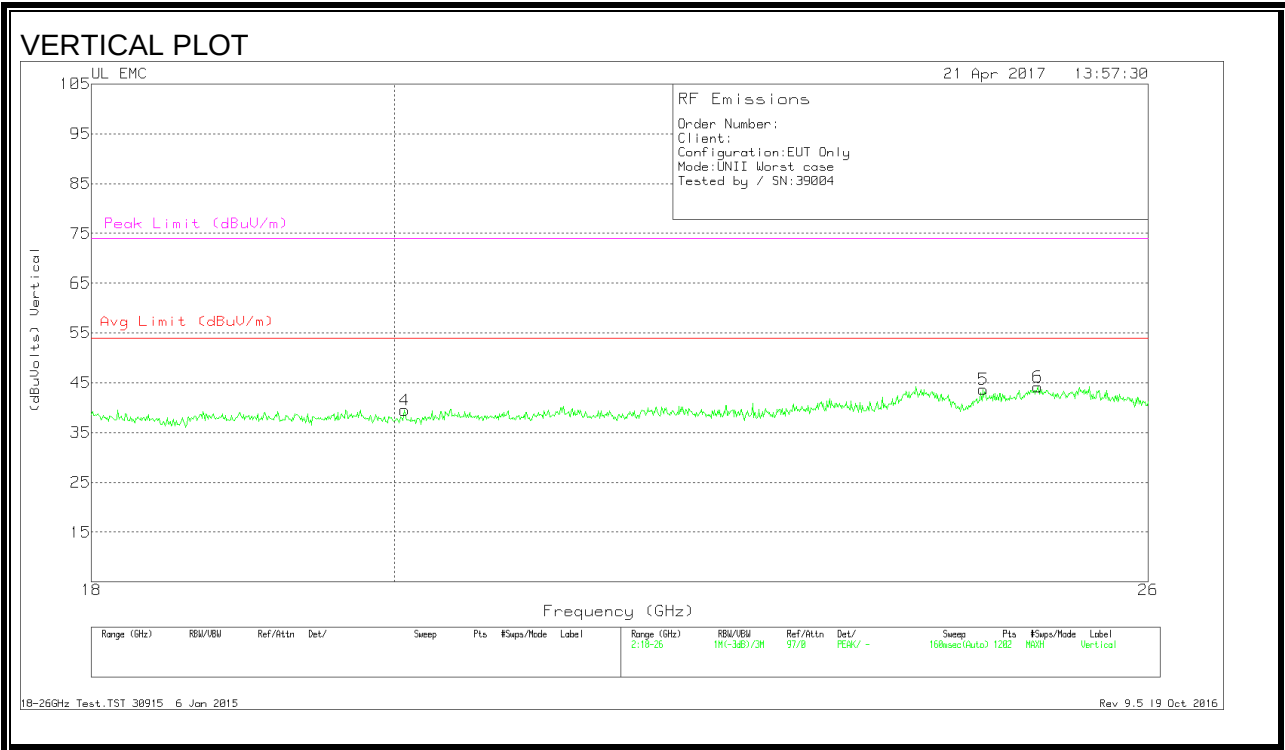
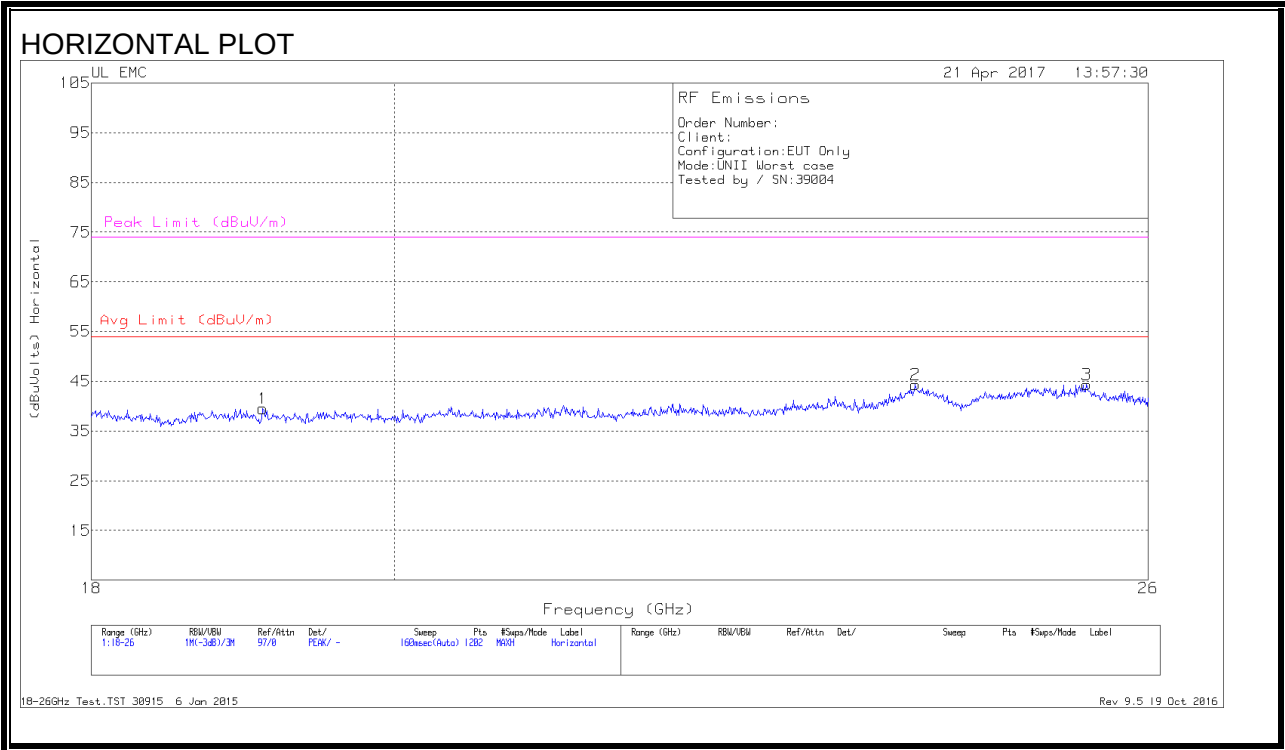
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

FCC Part15C 30-1000MHz.TST 30915 15 Jul 2014

9.3. WORST-CASE 18 to 26 GHz

SPURIOUS EMISSIONS 18 TO 26 GHz (WORST-CASE CONFIGURATION, HORIZONTAL & VERTICAL)



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T449 (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	19.106	41.2	Pk	32.7	-24.9	-9.5	39.5	54	-14.5	74	-34.5
2	23.975	44.03	Pk	34	-24.2	-9.5	44.34	54	-9.66	74	-29.66
3	25.447	43.83	Pk	34.4	-24.4	-9.5	44.34	54	-9.66	74	-29.66
4	20.072	41.3	Pk	32.7	-25	-9.5	39.5	54	-14.5	74	-34.5
5	24.548	43.17	Pk	34.1	-24.1	-9.5	43.67	54	-10.33	74	-30.33
6	25.021	43.87	Pk	34.2	-24.4	-9.5	44.17	54	-9.83	74	-29.83

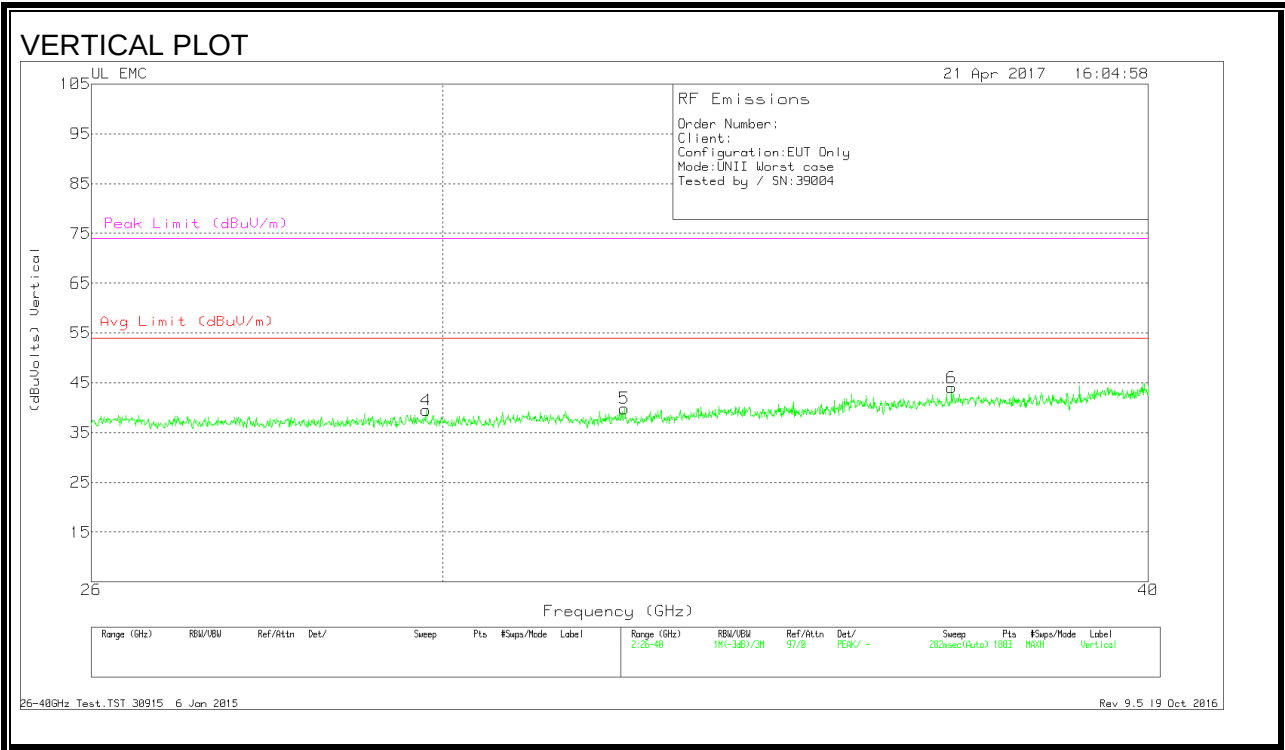
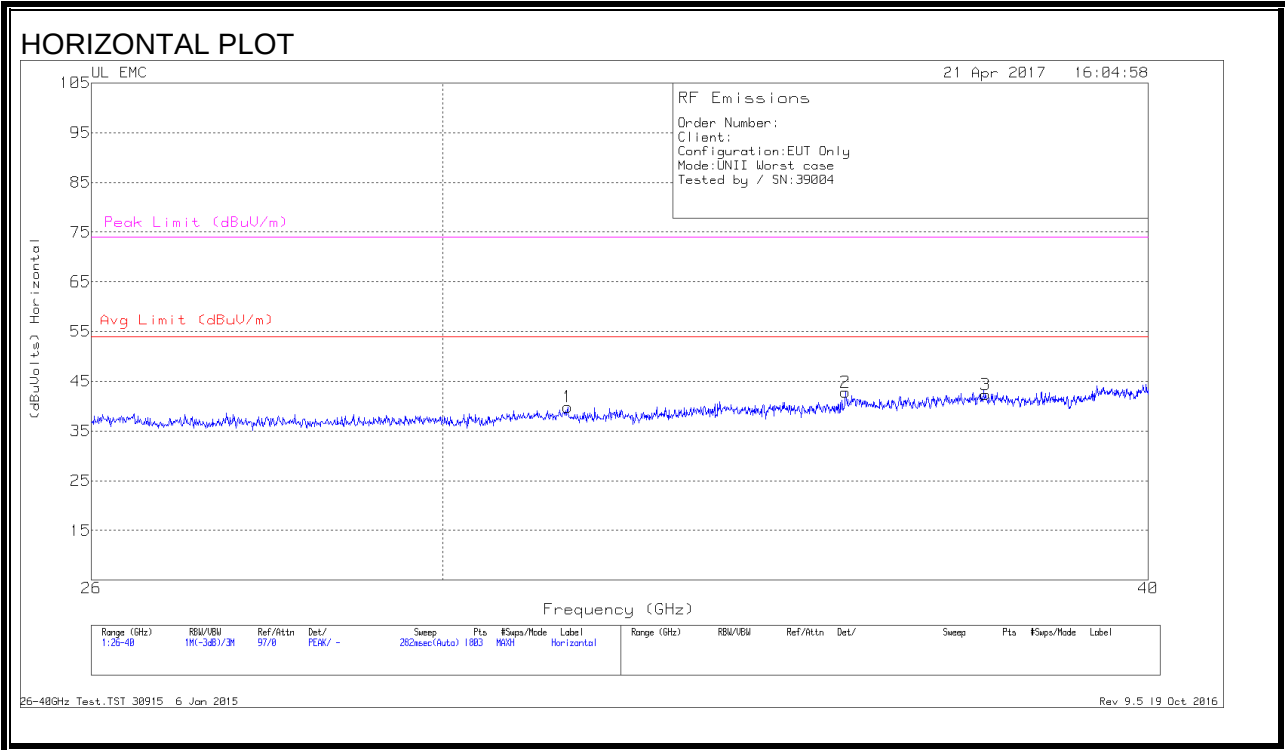
Pk - Peak detector

18-26GHz Test.TST 30915 6 Jan 2015

Rev 9.5 19 Oct 2016

9.4. WORST-CASE 26 to 40 GHz

SPURIOUS EMISSIONS 26 TO 40 GHz (WORST-CASE CONFIGURATION)



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	T90 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	31.57	46.53	Pk	36.3	-33.5	-9.5	39.83	54	-14.16	74	-34.16
2	35.354	48.13	Pk	37.8	-33.6	-9.5	42.83	54	-11.16	74	-31.16
3	37.428	48.73	Pk	37.3	-34.2	-9.5	42.33	54	-11.66	74	-31.66
4	29.799	45.8	Pk	36.1	-32.9	-9.5	39.5	54	-14.5	74	-34.5
5	32.309	46.33	Pk	36.4	-33.4	-9.5	39.83	54	-14.16	74	-34.16
6	36.916	51.1	Pk	37.2	-34.8	-9.5	44	54	-10	74	-30

Pk - Peak detector

26-40GHz Test.TST 30915 6 Jan 2015

Rev 9.5 19 Oct 2016

10. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

Frequency of Emission (MHz)	Conducted Limit (dBµV)	
	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.

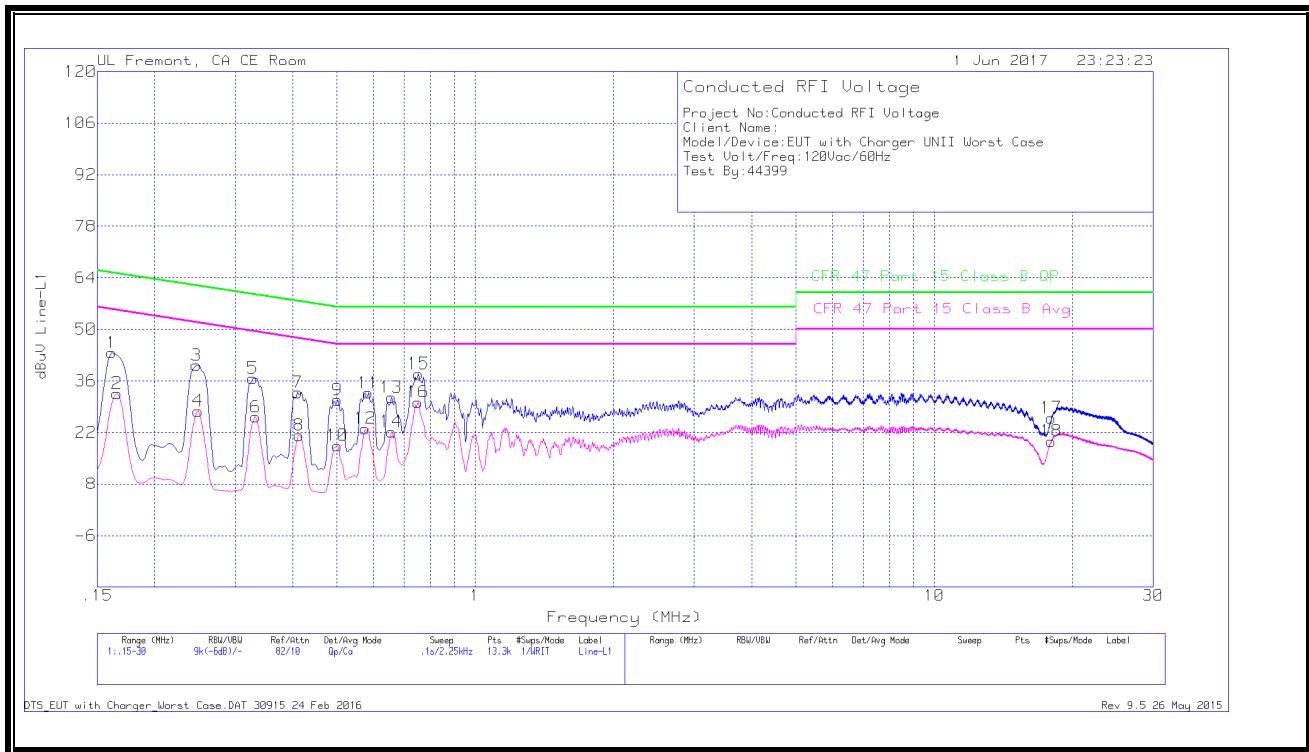
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

10.1. EUT POWERED BY AC/DC ADAPTER VIA USB CABLE

LINE 1 RESULTS



WORST EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L1	LC Cables C1&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
1	.16125	33.48	Qp	0	.1	10.1	43.68	65.4	-21.72	-	-
2	.16575	22.49	Ca	0	0	10.1	32.59	-	-	55.17	-22.58
3	.24675	30.06	Qp	0	.1	10.1	40.26	61.87	-21.61	-	-
4	.249	17.64	Ca	0	.1	10.1	27.84	-	-	51.79	-23.95
5	.32775	26.52	Qp	0	.1	10.1	36.72	59.51	-22.79	-	-
6	.33225	16.01	Ca	0	.1	10.1	26.21	-	-	49.39	-23.18
7	.411	22.65	Qp	0	.1	10.1	32.85	57.63	-24.78	-	-
8	.41325	11.02	Ca	0	.1	10.1	21.22	-	-	47.58	-26.36
9	.501	20.6	Qp	0	.1	10.1	30.8	56	-25.2	-	-
10	.501	8.24	Ca	0	.1	10.1	18.44	-	-	46	-27.56
11	.58425	22.51	Qp	0	.1	10.1	32.71	56	-23.29	-	-
12	.57525	12.86	Ca	0	.1	10.1	23.06	-	-	46	-22.94
13	.65625	21.29	Qp	0	.1	10.1	31.49	56	-24.51	-	-
14	.65625	11.99	Ca	0	.1	10.1	22.19	-	-	46	-23.81
15	.753	27.73	Qp	0	.1	10.1	37.93	56	-18.07	-	-
16	.75075	20.04	Ca	0	.1	10.1	30.24	-	-	46	-15.76
17	17.9925	15.33	Qp	0	.3	10.3	25.93	60	-34.07	-	-
18	17.98463	9.05	Ca	0	.3	10.3	19.65	-	-	50	-30.35

Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 2 RESULTS



WORST EMISSIONS

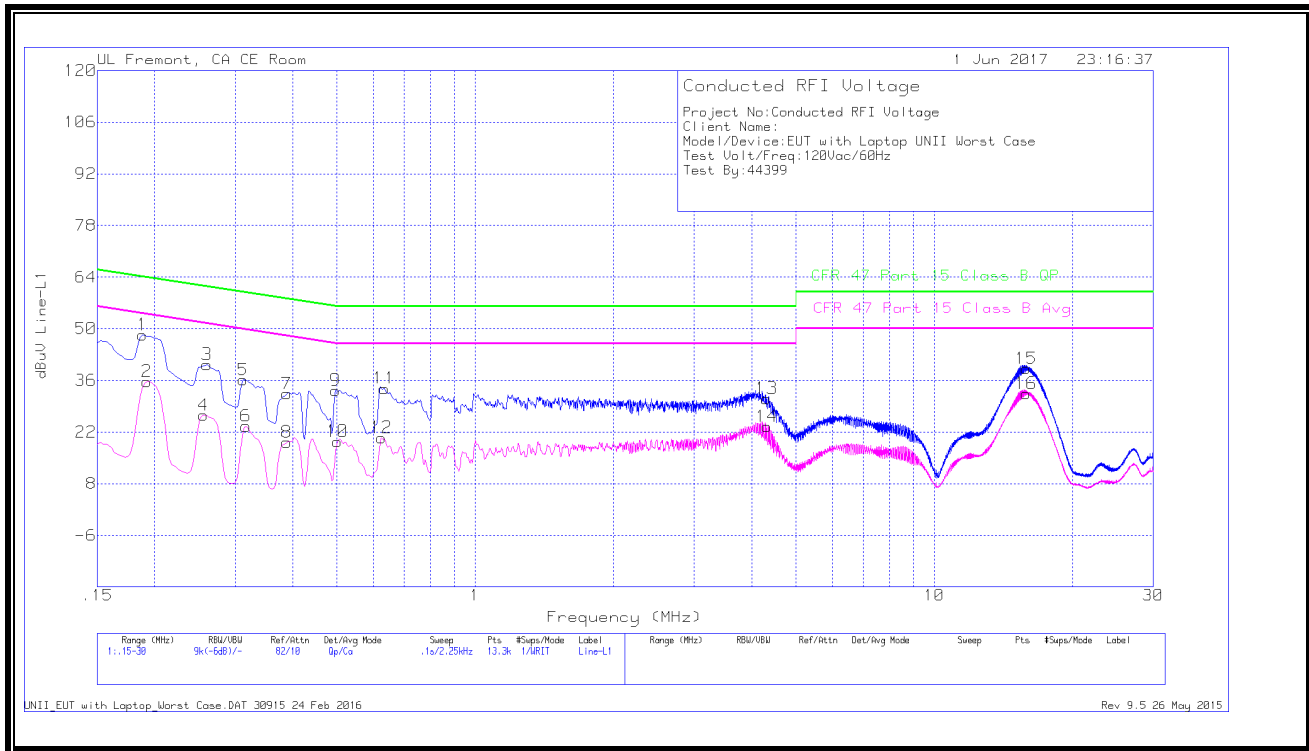
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L2	LC Cables C2&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
19	.1635	31.05	Qp	0	.1	10.1	41.25	65.28	-24.03	-	-
20	.16575	18.91	Ca	0	0	10.1	29.01	-	-	55.17	-26.16
21	.2445	25.95	Qp	0	.1	10.1	36.15	61.94	-25.79	-	-
22	.24675	13.47	Ca	0	.1	10.1	23.67	-	-	51.87	-28.2
23	.32775	18.12	Qp	0	.1	10.1	28.32	59.51	-31.19	-	-
24	.33	8.81	Ca	0	.1	10.1	19.01	-	-	49.45	-30.44
25	.40875	18.53	Qp	0	.1	10.1	28.73	57.67	-28.94	-	-
26	.411	5.59	Ca	0	.1	10.1	15.79	-	-	47.63	-31.84
27	.48975	14.73	Qp	0	.1	10.1	24.93	56.17	-31.24	-	-
28	.49087	3.65	Ca	0	.1	10.1	13.85	-	-	46.15	-32.3
29	.582	18.66	Qp	0	.1	10.1	28.86	56	-27.14	-	-
30	.582	6.94	Ca	0	.1	10.1	17.14	-	-	46	-28.86
31	.654	18.81	Qp	0	.1	10.1	29.01	56	-26.99	-	-
32	.654	7.27	Ca	0	.1	10.1	17.47	-	-	46	-28.53
33	.7485	25.38	Qp	0	.1	10.1	35.58	56	-20.42	-	-
34	.7485	15.55	Ca	0	.1	10.1	25.75	-	-	46	-20.25
35	17.8125	19.95	Qp	0	.3	10.3	30.55	60	-29.45	-	-
36	17.8125	13.1	Ca	0	.3	10.3	23.7	-	-	50	-26.3

Qp - Quasi-Peak detector

Ca - CISPR average detection

10.2. EUT POWERED BY HOST PC VIA USB CABLE

LINE 1 RESULTS



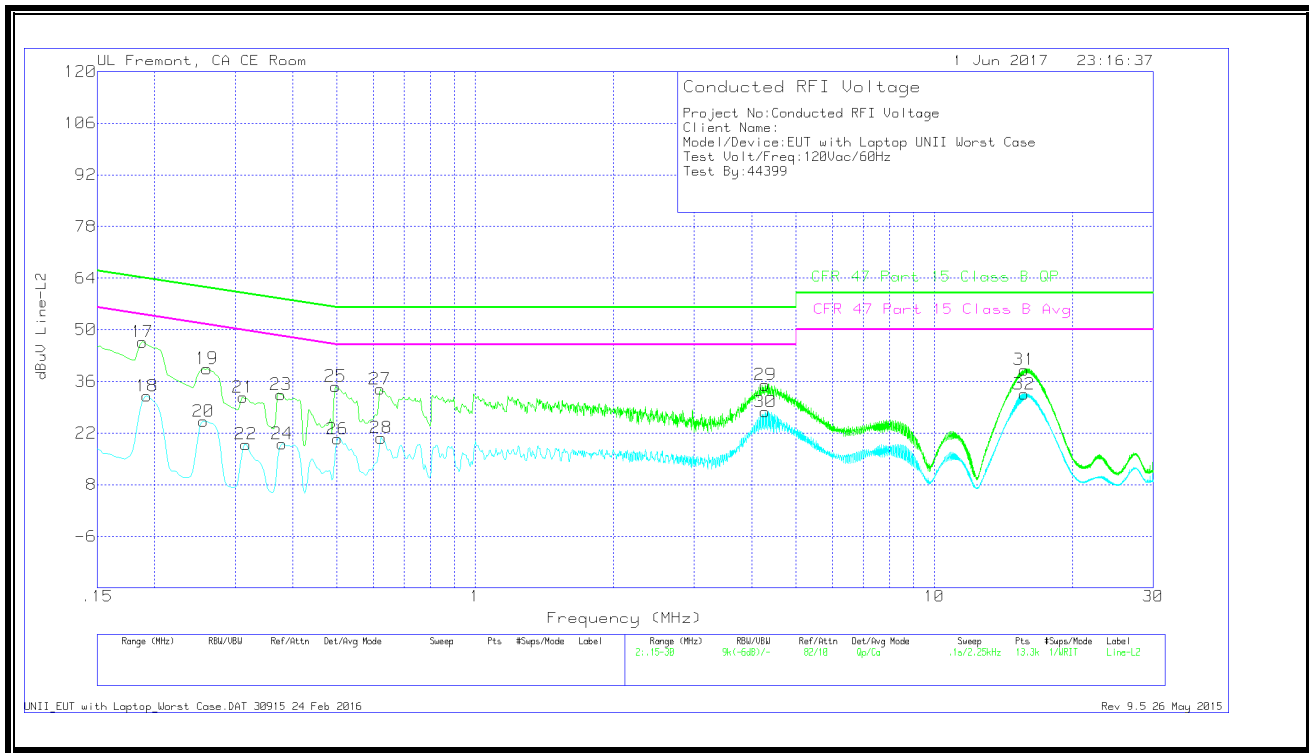
WORST EMISSIONS

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	.18825	38.13	Qp	0	.1	10.1	48.33	64.11	-15.78	-	-
2	.19275	25.49	Ca	0	.1	10.1	35.69	-	-	53.92	-18.23
3	.26025	30.1	Qp	0	.1	10.1	40.3	61.42	-21.12	-	-
4	.25575	16.37	Ca	0	.1	10.1	26.57	-	-	51.57	-25
5	.312	25.93	Qp	0	.1	10.1	36.13	59.92	-23.79	-	-
6	.3165	13.39	Ca	0	.1	10.1	23.59	-	-	49.8	-26.21
7	.3885	22.18	Qp	0	.1	10.1	32.38	58.1	-25.72	-	-
8	.3885	9.04	Ca	0	.1	10.1	19.24	-	-	48.1	-28.86
9	.4965	23.08	Qp	0	.1	10.1	33.28	56.06	-22.78	-	-
10	.501	9.24	Ca	0	.1	10.1	19.44	-	-	46	-26.56
11	.63375	23.64	Qp	0	.1	10.1	33.84	56	-22.16	-	-
12	.62475	10.26	Ca	0	.1	10.1	20.46	-	-	46	-25.54
13	4.3125	20.88	Qp	0	.1	10.1	31.08	56	-24.92	-	-
14	4.317	13.29	Ca	0	.1	10.1	23.49	-	-	46	-22.51
15	15.84375	28.72	Qp	0	.2	10.3	39.22	60	-20.78	-	-
16	15.84375	21.93	Ca	0	.2	10.3	32.43	-	-	50	-17.57

Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 2 RESULTS



WORST EMISSIONS

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)
17	.18825	36.49	Qp	0	.1	10.1	46.69	64.11	-17.42	-	-
18	.19275	21.81	Ca	0	.1	10.1	32.01	-	-	53.92	-21.91
19	.26025	29.25	Qp	0	.1	10.1	39.45	61.42	-21.97	-	-
20	.25575	15.01	Ca	0	.1	10.1	25.21	-	-	51.57	-26.36
21	.312	21.51	Qp	0	.1	10.1	31.71	59.92	-28.21	-	-
22	.3165	8.76	Ca	0	.1	10.1	18.96	-	-	49.8	-30.84
23	.37725	22.21	Qp	0	.1	10.1	32.41	58.34	-25.93	-	-
24	.3795	8.88	Ca	0	.1	10.1	19.08	-	-	48.29	-29.21
25	.4965	24.45	Qp	0	.1	10.1	34.65	56.06	-21.41	-	-
26	.501	10.17	Ca	0	.1	10.1	20.37	-	-	46	-25.63
27	.62025	23.74	Qp	0	.1	10.1	33.94	56	-22.06	-	-
28	.62362	10.49	Ca	0	.1	10.1	20.69	-	-	46	-25.31
29	4.2855	24.86	Qp	0	.1	10.1	35.06	56	-20.94	-	-
30	4.2855	17.58	Ca	0	.1	10.1	27.78	-	-	46	-18.22
31	15.69525	28.64	Qp	0	.2	10.3	39.14	60	-20.86	-	-
32	15.693	22.03	Ca	0	.2	10.3	32.53	-	-	50	-17.47

Qp - Quasi-Peak detector

Ca - CISPR average detection