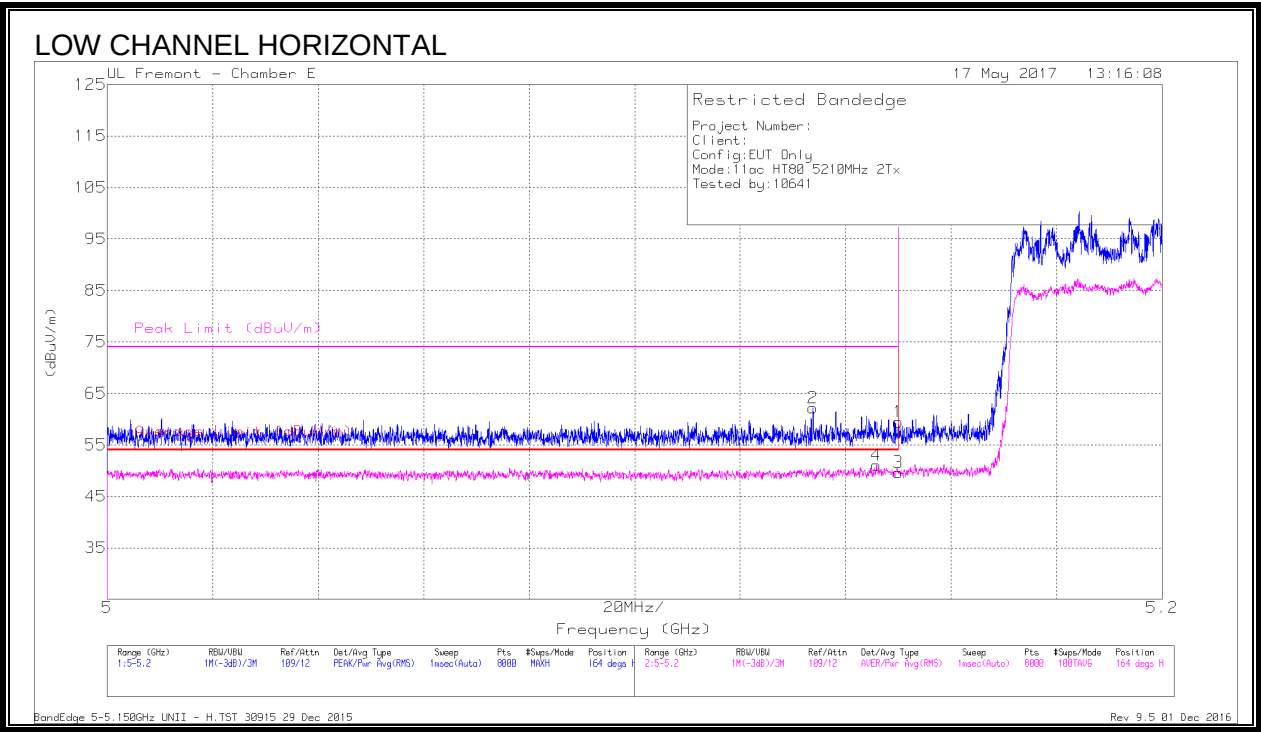


9.1.9. 11ac HT80 2TX CDD MIMO MODE IN THE 5.2GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequen cy (GHz)	Meter Readin g (dBuV)	Det	AF T136 (dB/m)	Amp/C bi/Filtr/ Pad (dB)	DC Corr (dB)	Correct ed Readin g (dBuV/ m)	Averag e Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimet h (Degs)	Height (cm)	Polarity
1	* 5.15	42.95	Pk	35.3	-18.8	0	59.45	-	-	74	-14.55	164	149	H
2	* 5.134	45.59	Pk	35.3	-18.7	0	62.19	-	-	74	-11.81	164	149	H
3	* 5.15	32.93	RMS	35.3	-18.8	.19	49.62	54	-4.38	-	-	164	149	H
4	* 5.146	34.34	RMS	35.3	-18.8	.19	51.03	54	-2.97	-	-	164	149	H

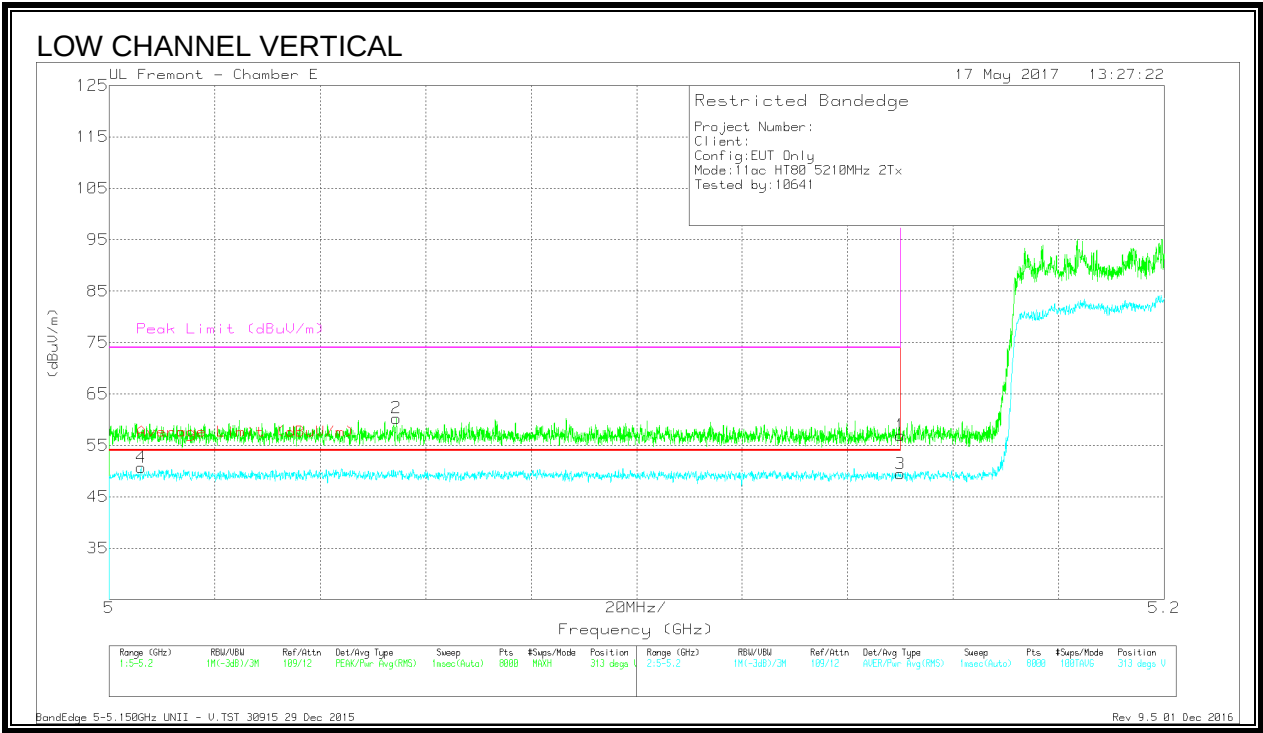
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BandEdge 5-5.150GHz UNII - H.TST 30915 29 Dec 2015

Rev 9.5 01 Dec 2016



Marker	Frequen- cy (GHz)	Meter Readin- g (dBuV)	Det	AF T136 (dB/m)	Amp/C b/Filtr/ Pad (dB)	DC Corr (dB)	Correct ed Readin- g (dBuV/ m)	Averag e Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimet h (Degs)	Height (cm)	Polarity
1	* 5.15	40.44	Pk	35.3	-18.8	0	56.94	-	-	74	-17.06	313	127	V
2	* 5.054	43.68	Pk	35.1	-18.5	0	60.28	-	-	74	-13.72	313	127	V
3	* 5.15	32.76	RMS	35.3	-18.8	.19	49.45	54	-4.55	-	-	313	127	V
4	* 5.006	33.91	RMS	34.9	-18.3	.19	50.7	54	-3.3	-	-	313	127	V

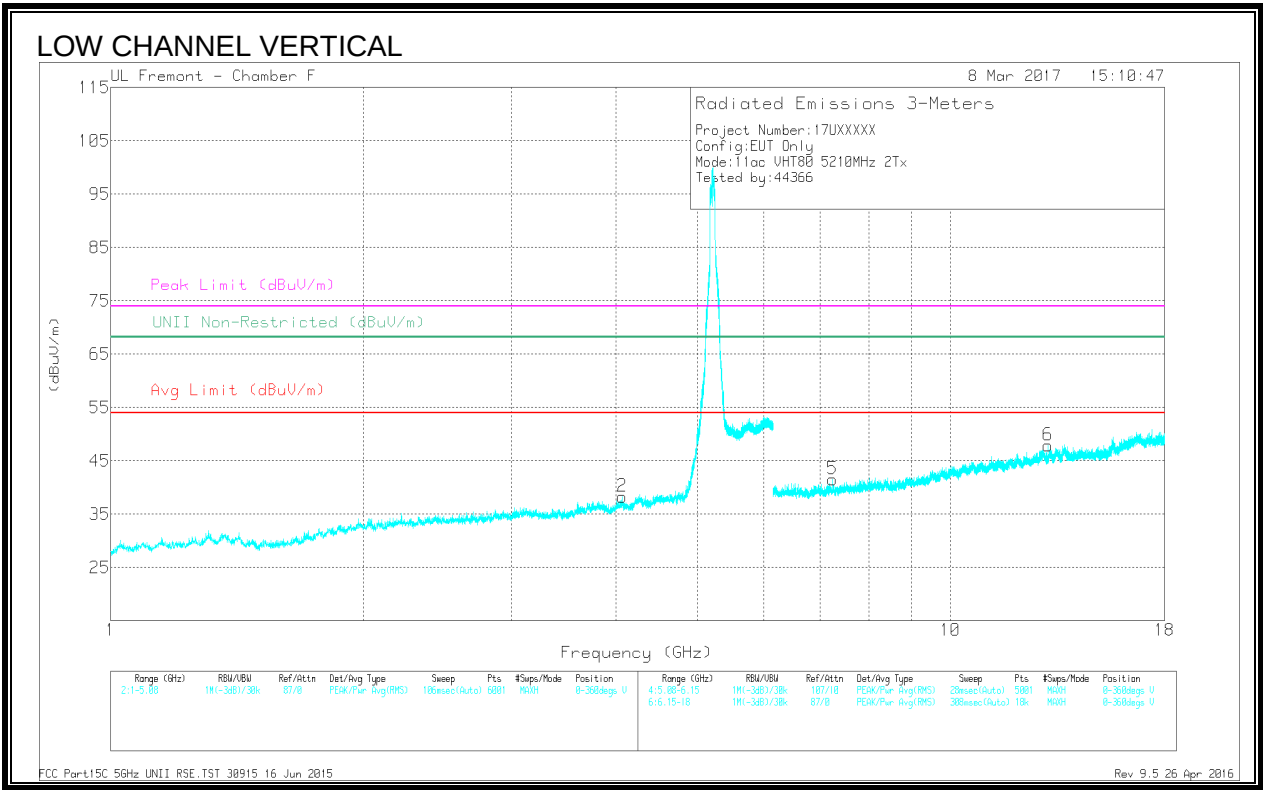
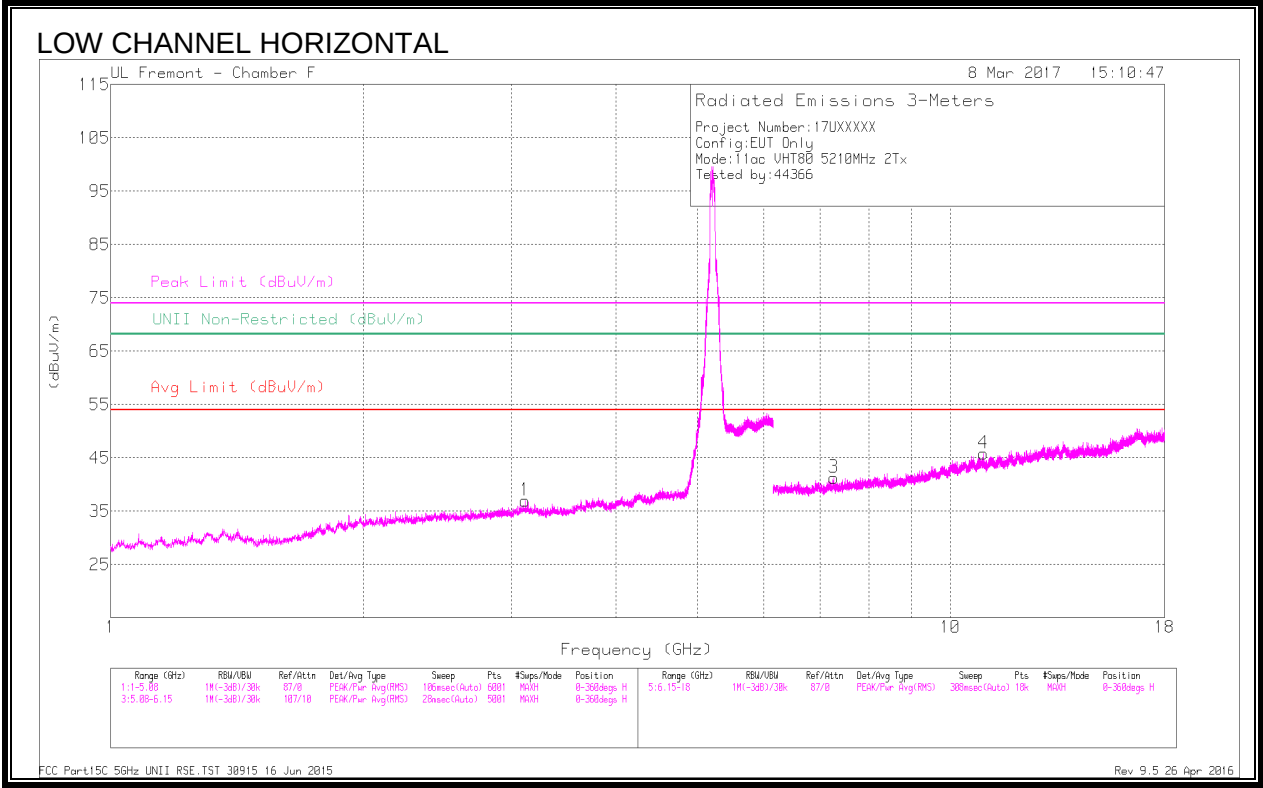
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BandEdge 5-5.150GHz UNII - V.TST 30915 29 Dec 2015

Rev 9.5 01 Dec 2016



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (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	3.116	39.72	PK-U	33.2	-29.3	0	43.62	-	-	-	-	68.2	-24.58	211	103	H
2	* 4.066	39.1	PK-U	33.5	-28.5	0	44.1	-	-	74	-29.9	-	-	41	125	V
	* 4.064	28.13	ADR	33.5	-28.5	.19	33.32	54	-20.68	-	-	-	-	41	125	V
3	* 7.272	36.27	PK-U	35.5	-25.1	0	46.67	-	-	74	-27.33	-	-	200	400	H
	* 7.272	25.59	ADR	35.5	-25.1	.19	36.18	54	-17.82	-	-	-	-	200	400	H
4	* 10.961	35.55	PK-U	37.9	-21.8	0	51.65	-	-	74	-22.35	-	-	144	233	H
	* 10.957	24.23	ADR	37.9	-21.8	.19	40.52	54	-13.48	-	-	-	-	144	233	H
5	7.249	37.43	PK-U	35.6	-25.5	0	47.53	-	-	-	-	68.2	-20.67	106	106	V
6	13.069	35.58	PK-U	39.1	-22.1	0	52.58	-	-	-	-	68.2	-15.62	351	143	V

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

PK-U - U-NII: Maximum Peak

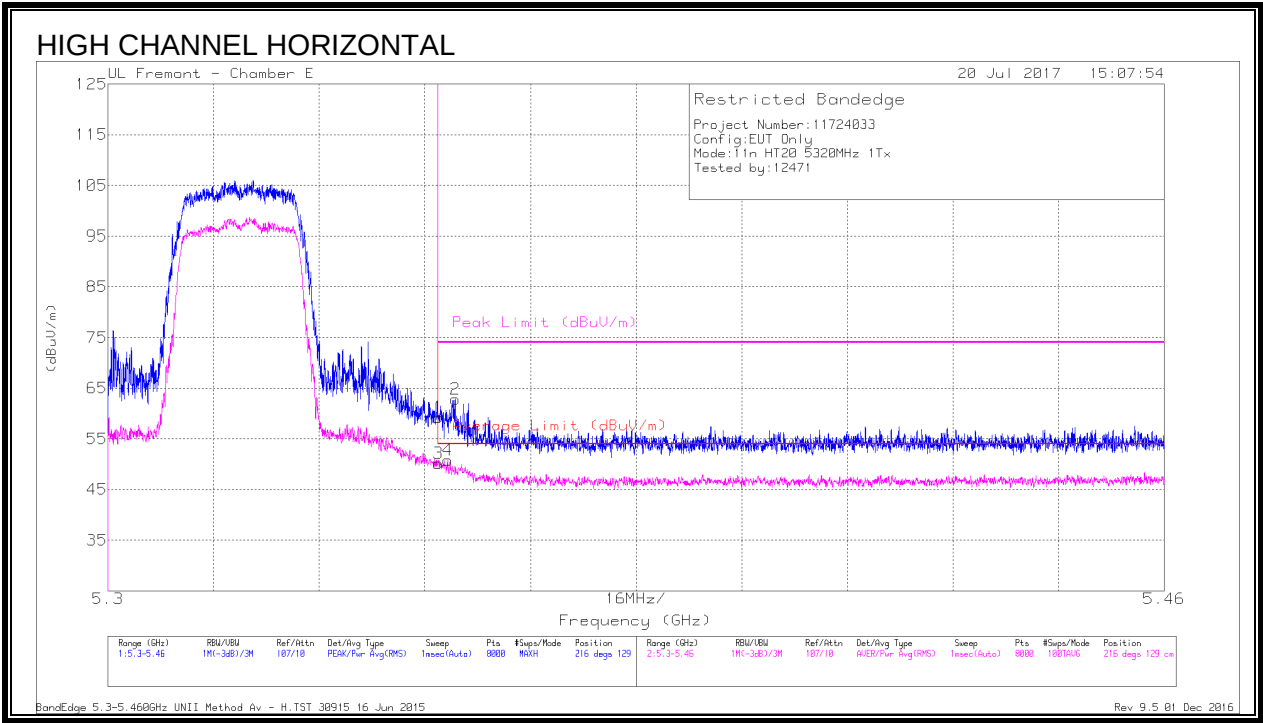
ADR - U-NII AD primary method, RMS average

FCC Part15C 5GHz UNII RSE.TST 30915 16 Jun 2015

Rev 9.5 26 Apr 2016

9.1.10. 11n HT20 UAT 2 SISO MODE IN THE 5.3GHZ BAND

AUTHORIZED BANDEDGE (HIGH CHANNEL)



Marker	Frequ ncy (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	Correct ed Reading (dBuV/ m)	Average Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimet h (Degs)	Height (cm)	Polarity
1	* 5.35	44.27	Pk	35	-20	59.27	-	-	74	-14.73	216	129	H
2	* 5.353	47.82	Pk	35	-20	62.82	-	-	74	-11.18	216	129	H
3	* 5.35	35.13	RMS	35	-20	50.13	54	-3.87	-	-	216	129	H
4	* 5.351	35.76	RMS	35	-20	50.76	54	-3.24	-	-	216	129	H

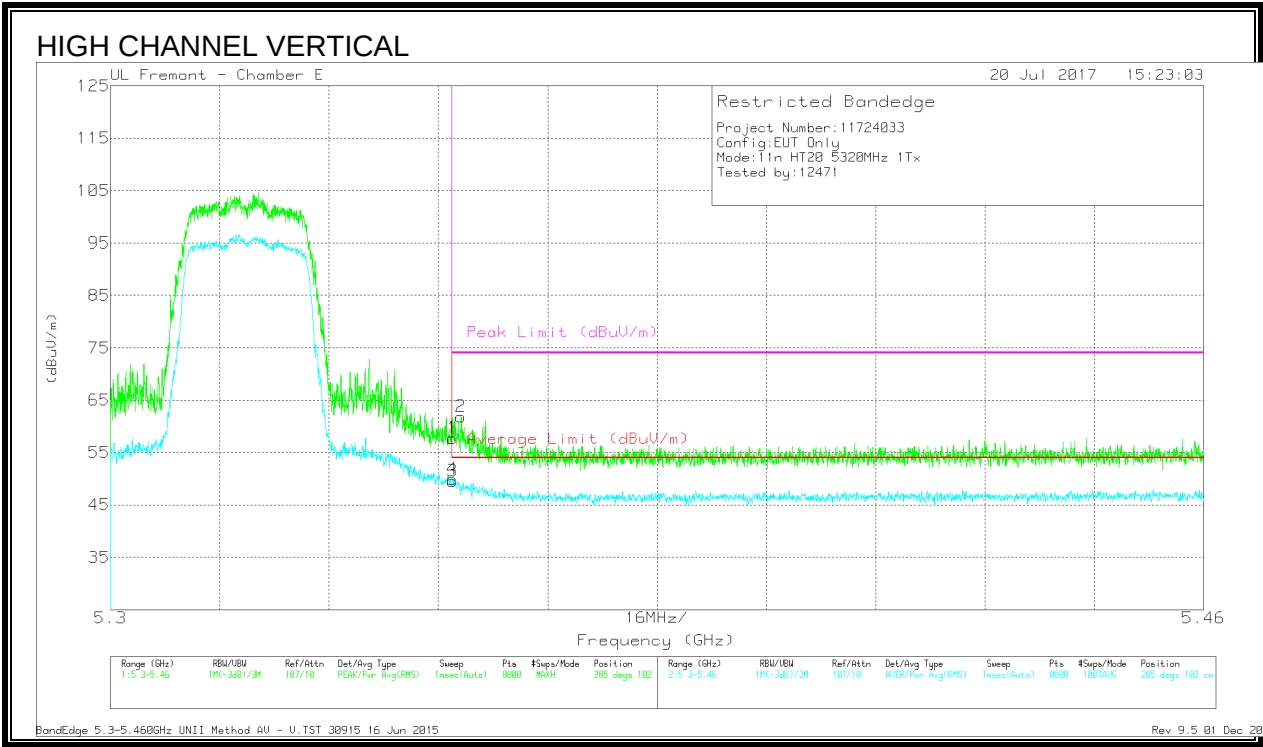
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

UNII_5.2_BE_H_11n_HT20_5320_1TX_Q84_#3909.DAT 30915 16 Jun 2015

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Marker	Frequen- cy (GHz)	Meter Readin- g (dBuV)	Det	AFT346 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	Correct ed Readin- g (dBuV/ m)	Averag e Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	42.78	Pk	35	-20	57.78	-	-	74	-16.22	285	102	V
3	* 5.35	34.53	RMS	35	-20	49.53	54	-4.47	-	-	285	102	V
4	* 5.35	34.96	RMS	35	-20	49.96	54	-4.04	-	-	285	102	V
2	* 5.351	46.79	Pk	35	-20	61.79	-	-	74	-12.21	285	102	V

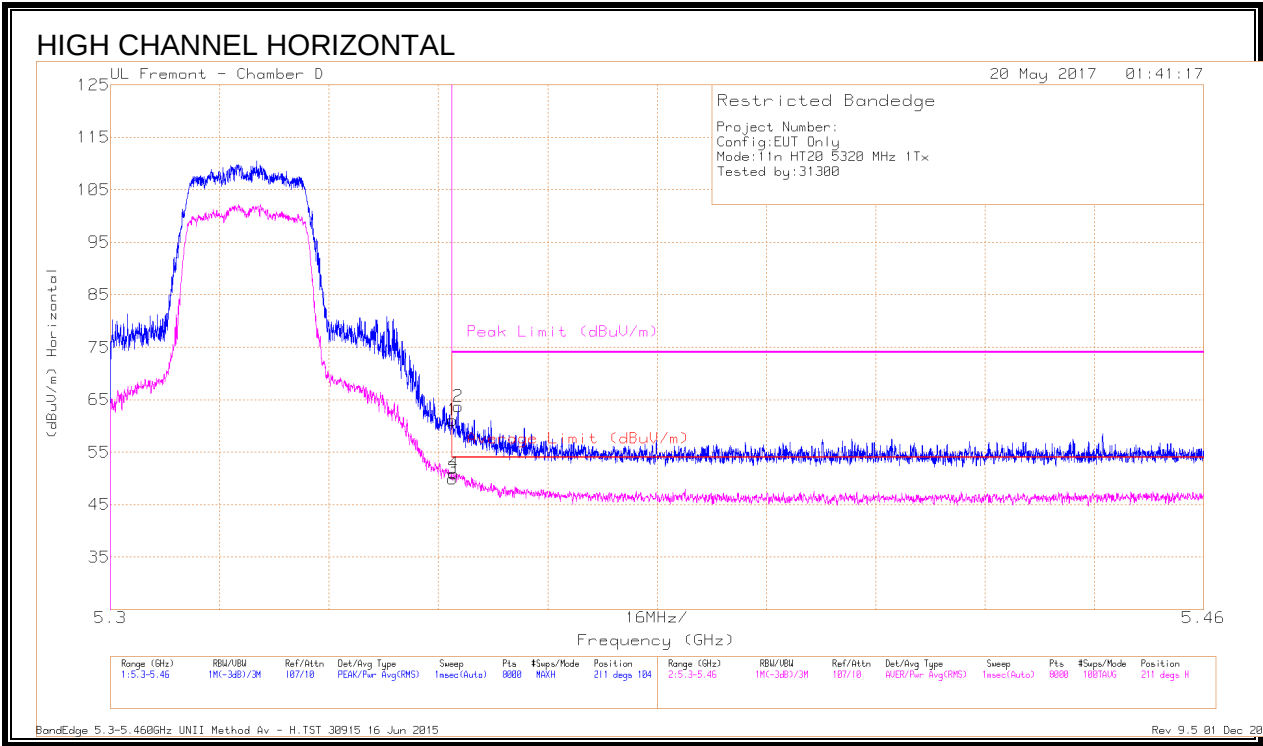
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

Noted: Covered by 802.11n HT20 2Tx (UAT 2 + LAT 3) CDD MODE IN THE 5.3 GHz BAND

9.1.11. 11n HT20 LAT 3 SISO MODE IN THE 5.3GHz BAND

AUTHORIZED BANDEDGE (HIGH CHANNEL)



Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl /Filtr/Pad (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	* 5.35	44.84	Pk	34.6	-18.4	61.04	-	-	74	-12.96	211	104	H
3	* 5.35	33.73	RMS	34.6	-18.4	49.93	54	-4.07	-	-	211	104	H
4	* 5.35	34.73	RMS	34.6	-18.4	50.93	54	-3.07	-	-	211	104	H
2	* 5.351	47.47	Pk	34.6	-18.4	63.67	-	-	74	-10.33	211	104	H

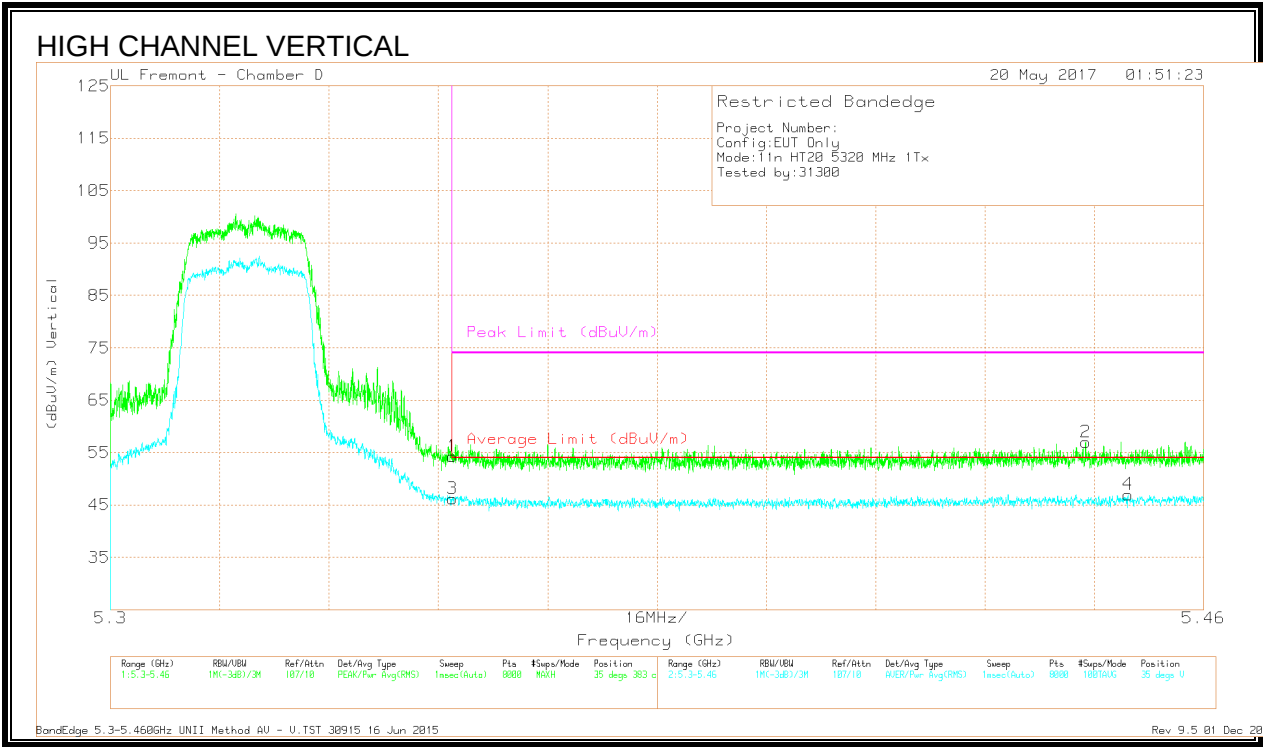
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BandEdge 5.3-5.460GHz UNII Method Av - H.TST 30915 16 Jun 2015

Rev 9.5 01 Dec 2016



Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl /Filtr/Pad (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	* 5.35	38.01	Pk	34.6	-18.4	54.21	-	-	74	-19.79	35	383	V
3	* 5.35	30.03	RMS	34.6	-18.4	46.23	54	-7.77	-	-	35	383	V
2	* 5.443	40.4	Pk	34.7	-18.1	57	-	-	74	-17	35	383	V
4	* 5.449	30.4	RMS	34.7	-18.1	47	54	-7	-	-	35	383	V

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

Pk - Peak detector

RMS - RMS detection

BandEdge 5.3-5.460GHz UNII Method AV - V.TST 30915 16 Jun 2015

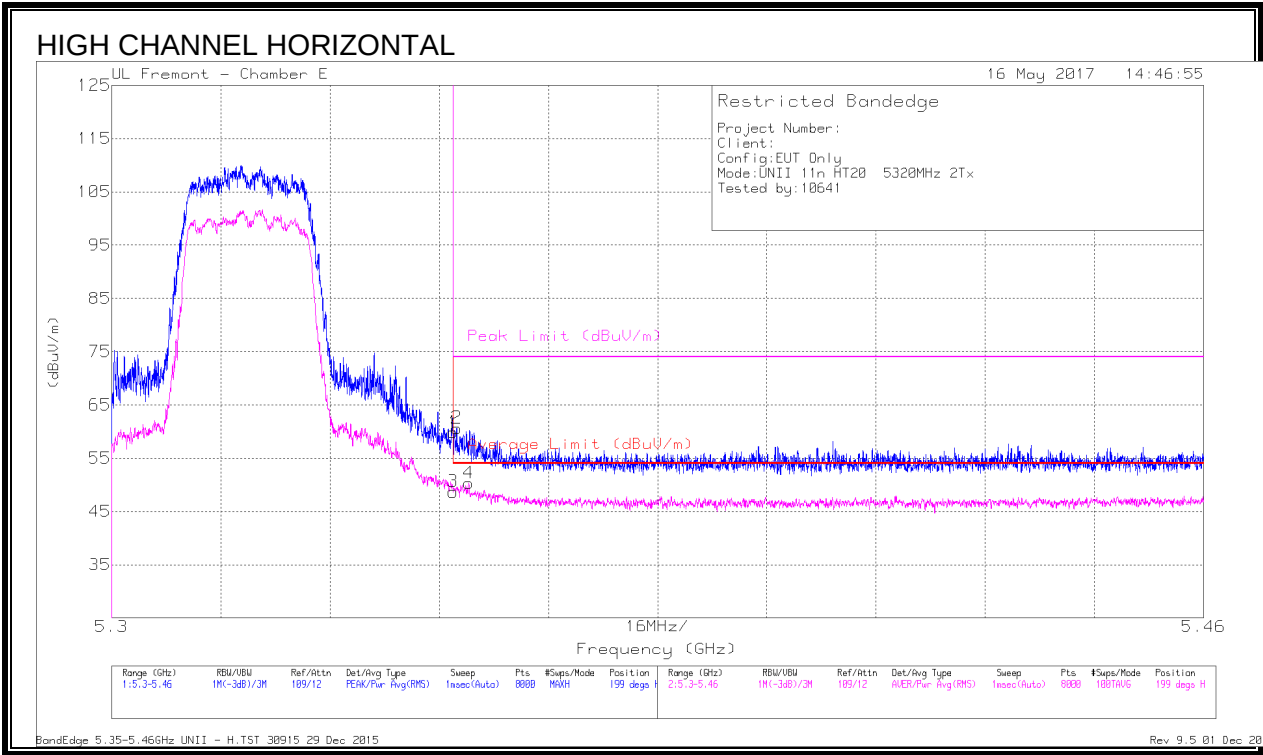
Rev 9.5 01 Dec 2016

HARMONICS AND SPURIOUS EMISSIONS

Noted: Covered by 802.11n HT20 2Tx (UAT 2 + LAT 3) CDD MODE IN THE 5.3 GHz BAND

9.1.12. 11n HT20 2TX CDD MIMO MODE IN THE 5.3GHz BAND

AUTHORIZED BANDEDGE (HIGH CHANNEL)



Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl /Fitr/Pad (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	* 5.35	43.94	Pk	35.2	-19.3	59.84	-	-	74	-14.16	199	215	H
3	* 5.35	32.8	RMS	35.2	-19.3	48.7	54	-5.3	-	-	199	215	H
2	* 5.351	44.73	Pk	35.2	-19.3	60.63	-	-	74	-13.37	199	215	H
4	* 5.352	34.4	RMS	35.2	-19.3	50.3	54	-3.7	-	-	199	215	H

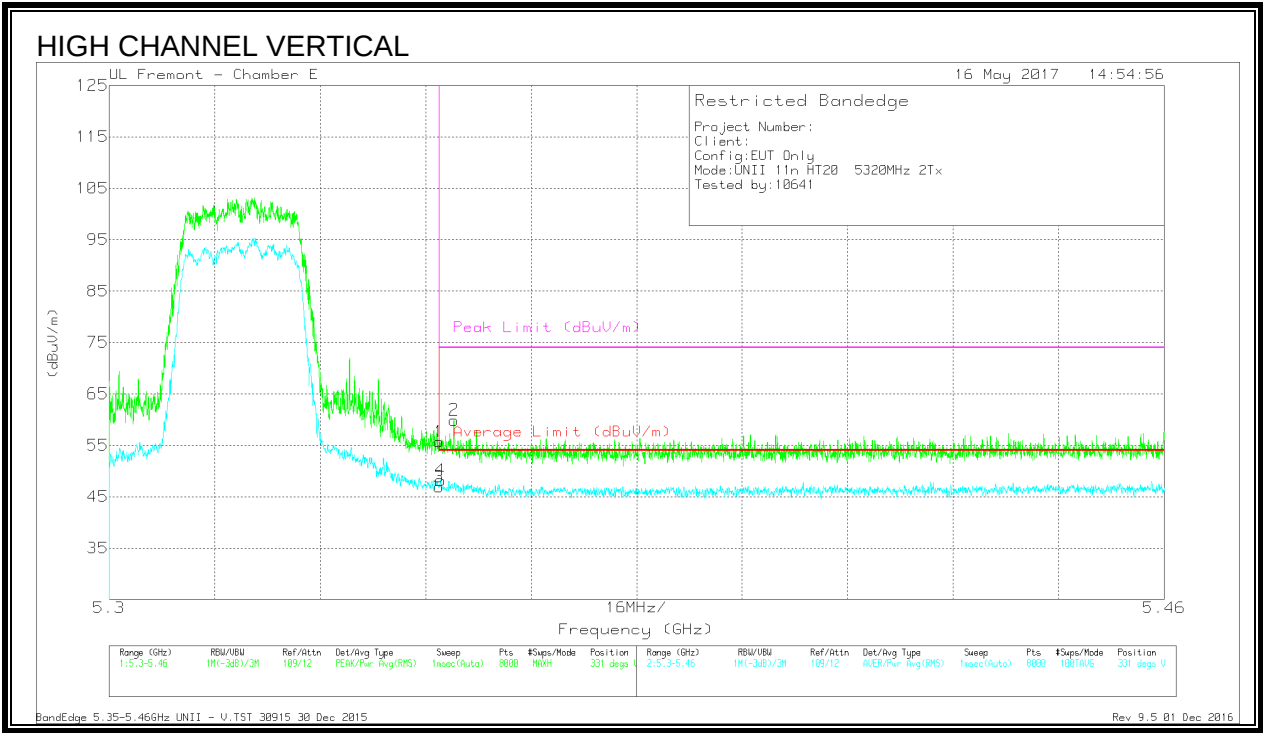
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BandEdge 5.35-5.46GHz UNII - H.TST 30915 29 Dec 2015

Rev 9.5 01 Dec 2016



Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl /Filtr/Pa d (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	* 5.35	39.8	Pk	35.2	-19.3	55.7	-	-	74	-18.3	331	153	V
2	* 5.352	43.99	Pk	35.2	-19.3	59.89	-	-	74	-14.11	331	153	V
3	* 5.35	31.01	RMS	35.2	-19.3	46.91	54	-7.09	-	-	331	153	V
4	* 5.35	32.3	RMS	35.2	-19.3	48.2	54	-5.8	-	-	331	153	V

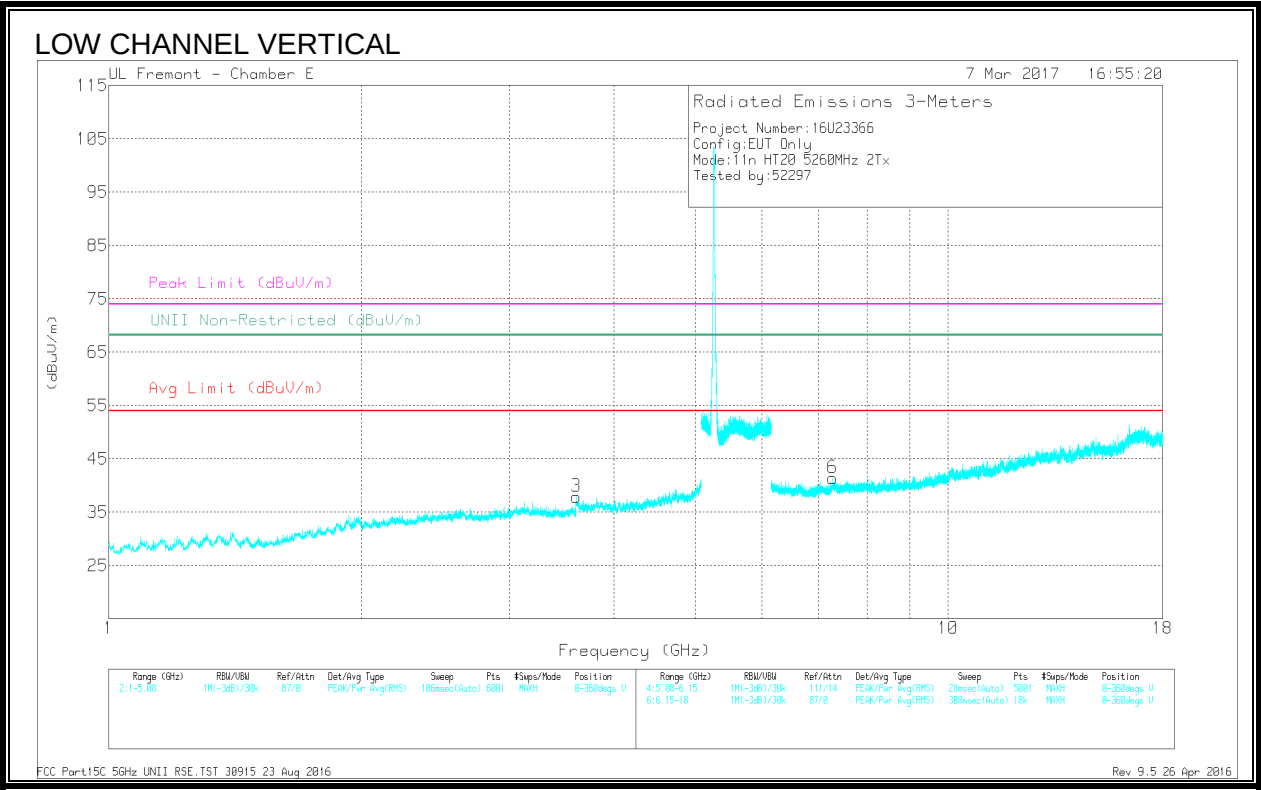
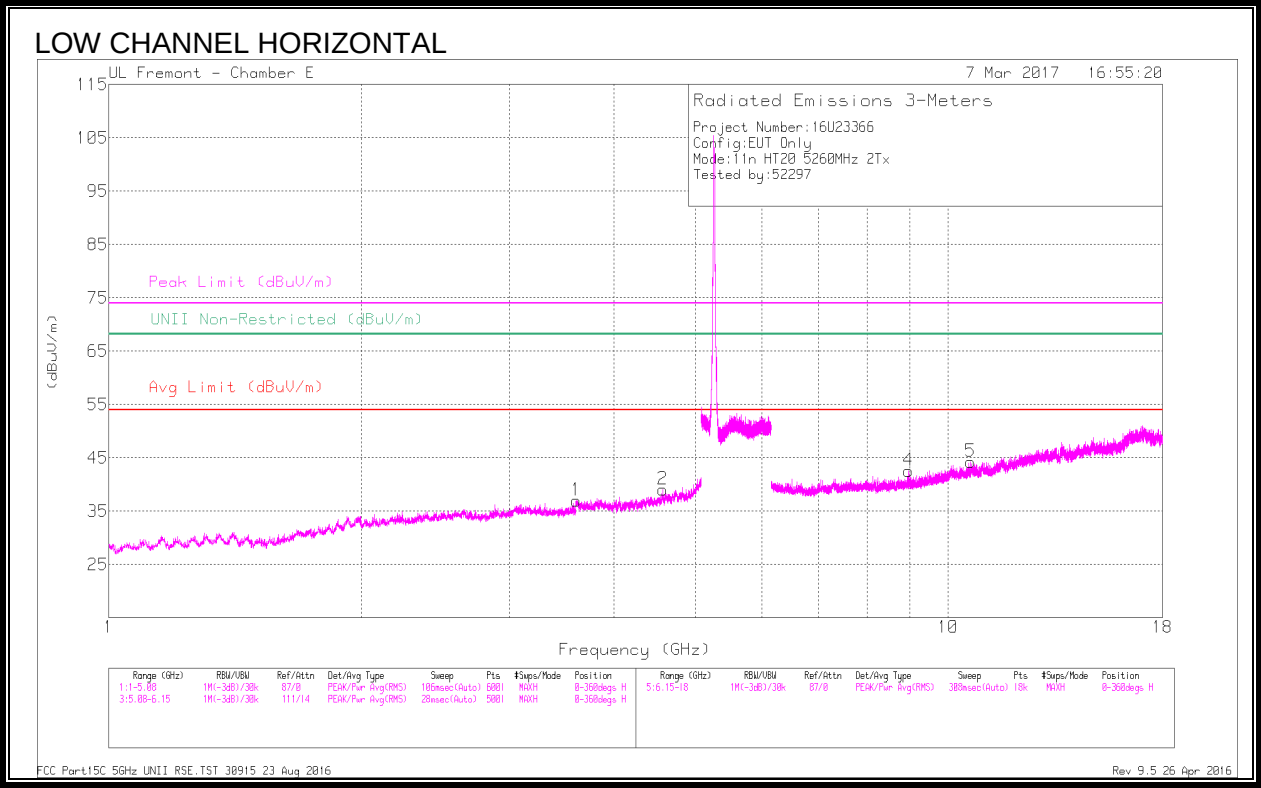
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BandEdge 5.35-5.46GHz UNII - V.TST 30915 30 Dec 2015

Rev 9.5 01 Dec 2016



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	* 3.604	40.21	PK-U	32.9	-30.5	42.61	-	-	74	-31.39	-	-	97	198	H
	* 3.602	30.15	ADR	32.9	-30.5	32.55	54	-21.45	-	-	-	-	97	198	H
2	* 4.572	39.94	PK-U	34.1	-29.2	44.84	-	-	74	-29.16	-	-	159	173	H
	* 4.573	29.78	ADR	34.1	-29.2	34.68	54	-19.32	-	-	-	-	159	173	H
3	* 3.606	41.18	PK-U	32.9	-30.5	43.58	-	-	74	-30.42	-	-	125	225	V
4	8.975	38.23	PK-U	36.2	-26.2	48.23	-	-	-	-	68.2	-19.97	178	295	H
	8.978	27.16	ADR	36.2	-26.2	37.16	-	-	-	-	-	-	178	295	H
5	* 10.633	35.84	PK-U	37.6	-24	49.44	-	-	74	-24.56	-	-	235	261	H
	* 10.634	25.48	ADR	37.6	-23.9	39.18	54	-14.82	-	-	-	-	235	261	H
6	* 7.289	38.03	PK-U	35.9	-26.2	47.73	-	-	74	-26.27	-	-	258	233	V
	* 7.288	27.26	ADR	35.9	-26.2	36.96	54	-17.04	-	-	-	-	258	233	V

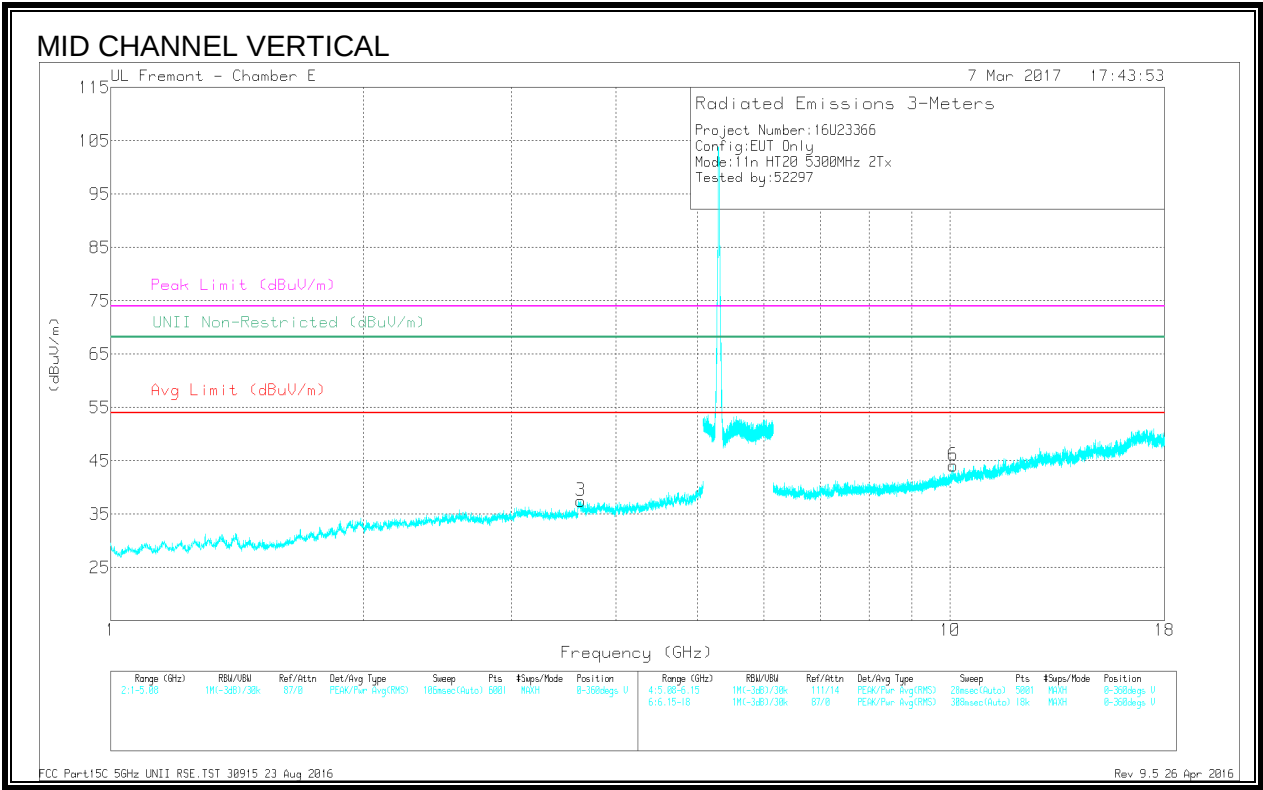
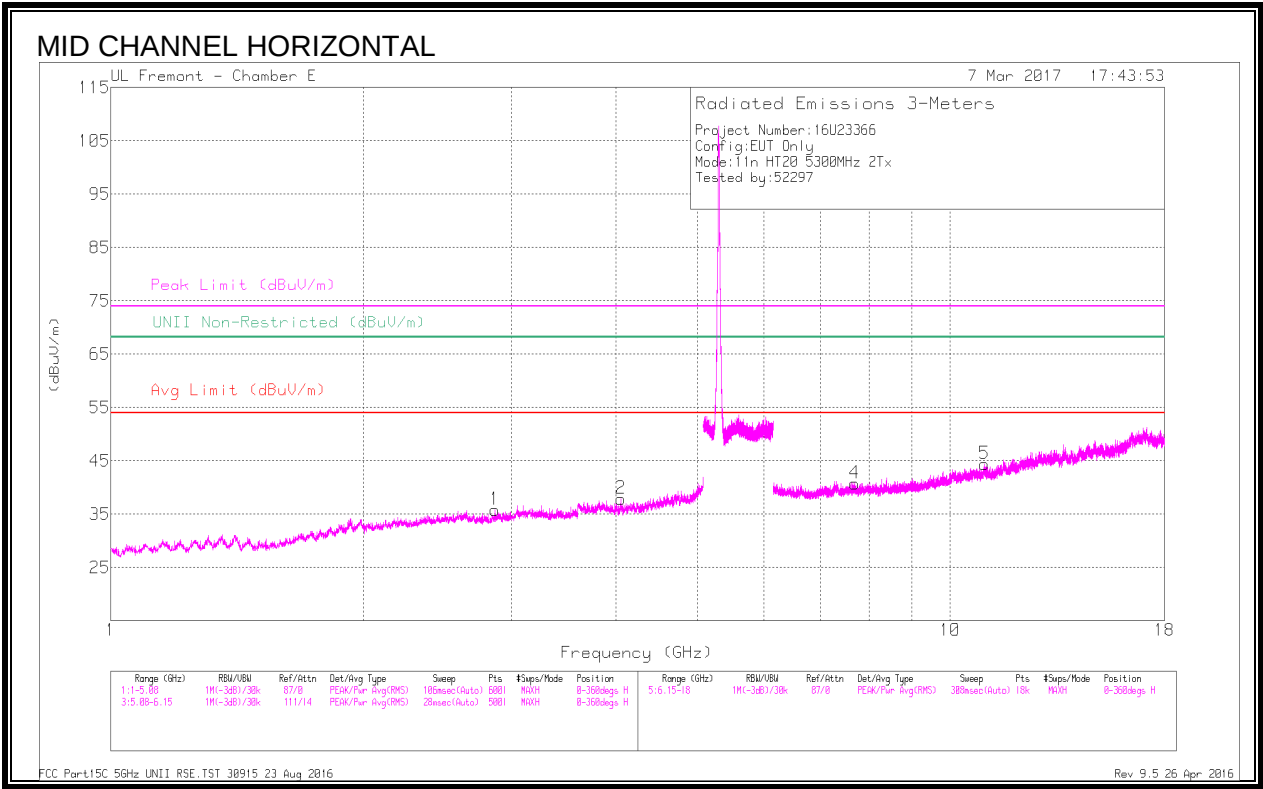
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb l/Filtr/P ad (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	* 2.868	41.57	PK-U	32.4	-31.3	42.67	-	-	74	-31.33	-	-	75	130	H
	* 2.869	30.26	ADR	32.4	-31.3	31.36	54	-22.64	-	-	-	-	75	130	H
2	* 4.055	40.6	PK-U	33.4	-29.7	44.3	-	-	74	-29.7	-	-	157	167	H
	* 4.053	30.22	ADR	33.4	-29.7	33.92	54	-20.08	-	-	-	-	157	167	H
3	* 3.629	40.4	PK-U	33.1	-30.7	42.8	-	-	74	-31.2	-	-	240	216	V
	* 3.629	30.28	ADR	33.1	-30.7	32.68	54	-21.32	-	-	-	-	240	216	V
4	* 7.693	38.28	PK-U	36.1	-27	47.38	-	-	74	-26.62	-	-	127	181	H
	* 7.693	27.72	ADR	36.1	-27	36.82	54	-17.18	-	-	-	-	127	181	H
5	* 10.991	36.53	PK-U	37.6	-22.2	51.93	-	-	74	-22.07	-	-	178	251	H
	* 10.991	24.77	ADR	37.6	-22.2	40.17	54	-13.83	-	-	-	-	178	251	H
6	10.086	36.26	PK-U	37.3	-22.8	50.76	-	-	-	-	68.2	-17.44	141	229	V

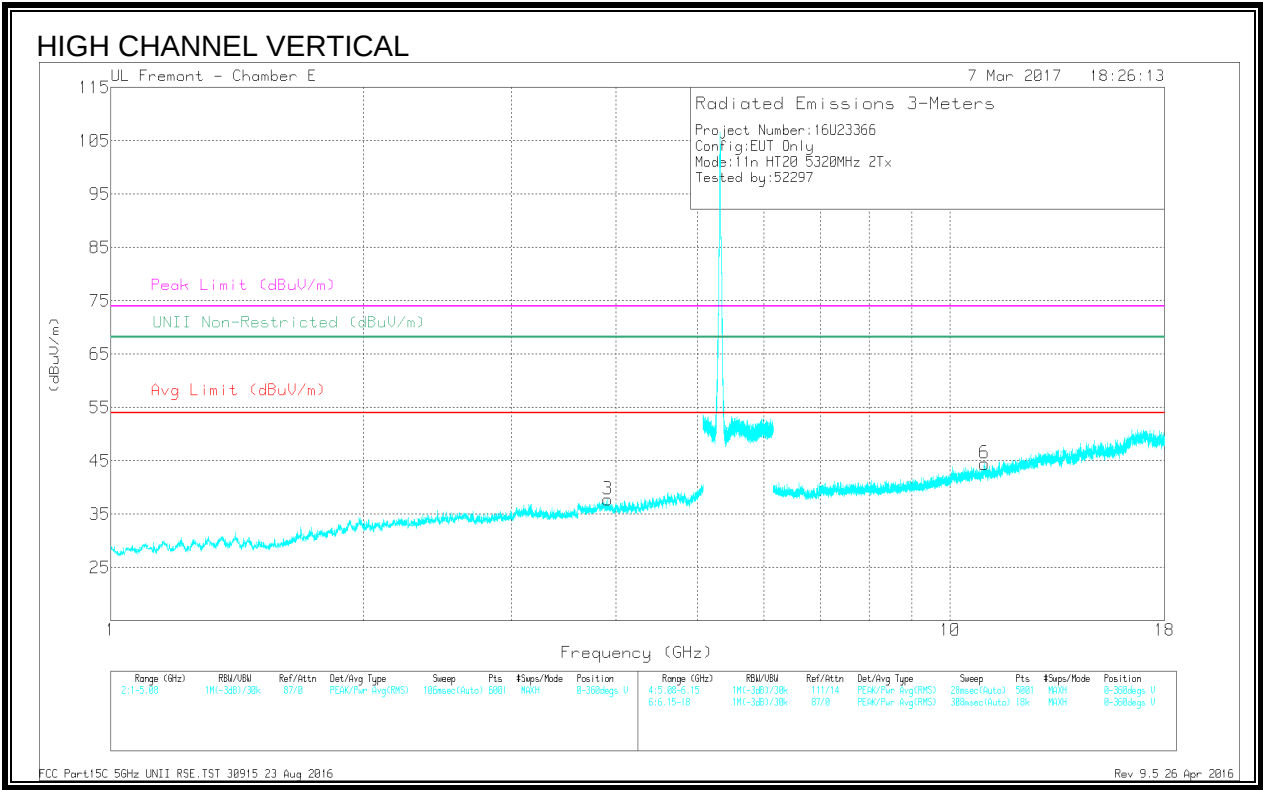
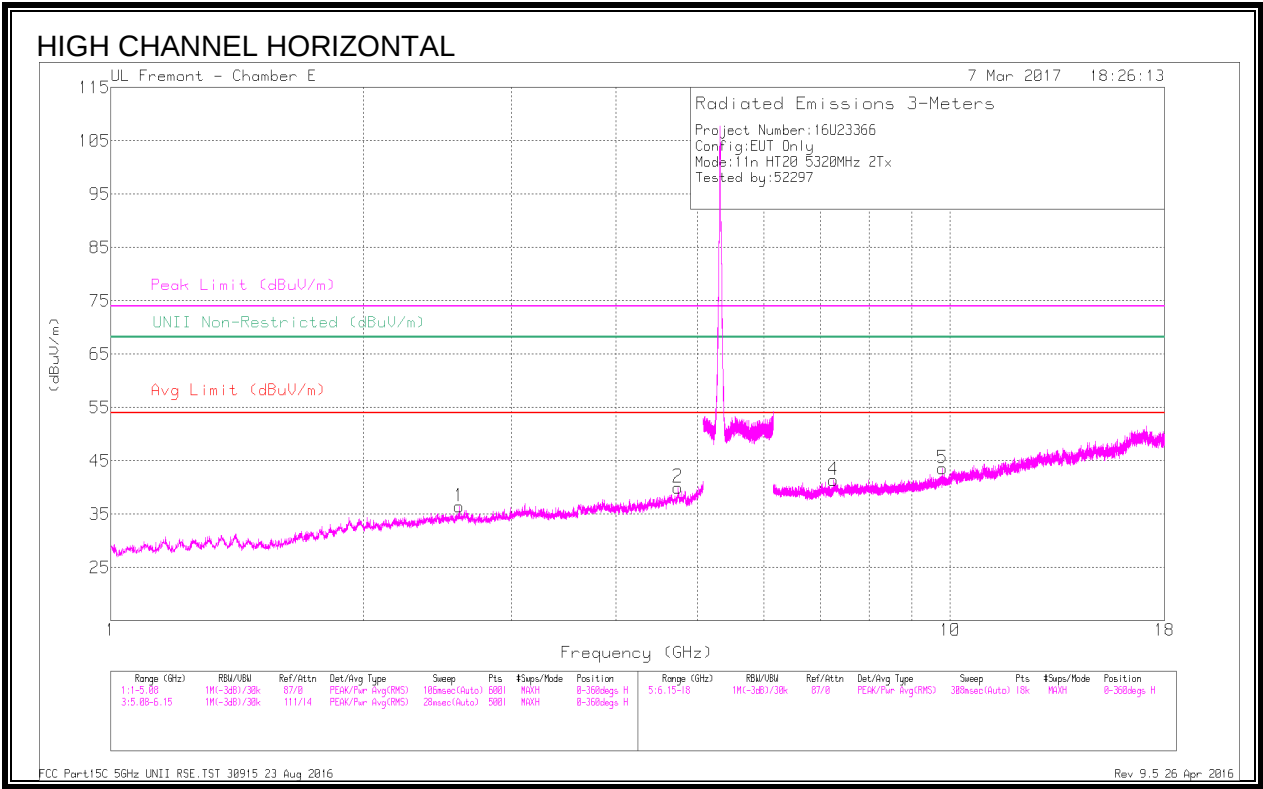
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

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

Rev 9.5 26 Apr 2016



DATA

Marker	Frequenc y (GHz)	Meter Readi ng (dBuV)	Det	AF T863 (dB/m)	Amp/Cb l/Fitr/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	2.6	42.11	PK-U	32.5	-31.4	43.21	-	-	-	-	68.2	-24.99	100	135	H
2	* 4.742	41.5	PK-U	34.3	-29	46.8	-	-	74	-27.2	-	-	177	191	H
	* 4.742	30.59	ADR	34.3	-28.9	35.99	54	-18.01	-	-	-	-	177	191	H
3	* 3.908	41.39	PK-U	33.4	-30.7	44.09	-	-	74	-29.91	-	-	153	166	V
	* 3.909	31.01	ADR	33.4	-30.7	33.71	54	-20.29	-	-	-	-	153	166	V
4	* 7.264	38.25	PK-U	35.9	-26.5	47.65	-	-	74	-26.35	-	-	200	206	H
	* 7.264	27.73	ADR	35.9	-26.5	37.13	54	-16.87	-	-	-	-	200	206	H
5	9.793	37.55	PK-U	36.9	-24.7	49.75	-	-	-	-	68.2	-18.45	83	315	H
6	* 10.978	35.5	PK-U	37.6	-22	51.1	-	-	74	-22.9	-	-	56	399	V
	* 10.979	24.94	ADR	37.6	-22	40.54	54	-13.46	-	-	-	-	56	399	V

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

PK-U - U-NII: Maximum Peak

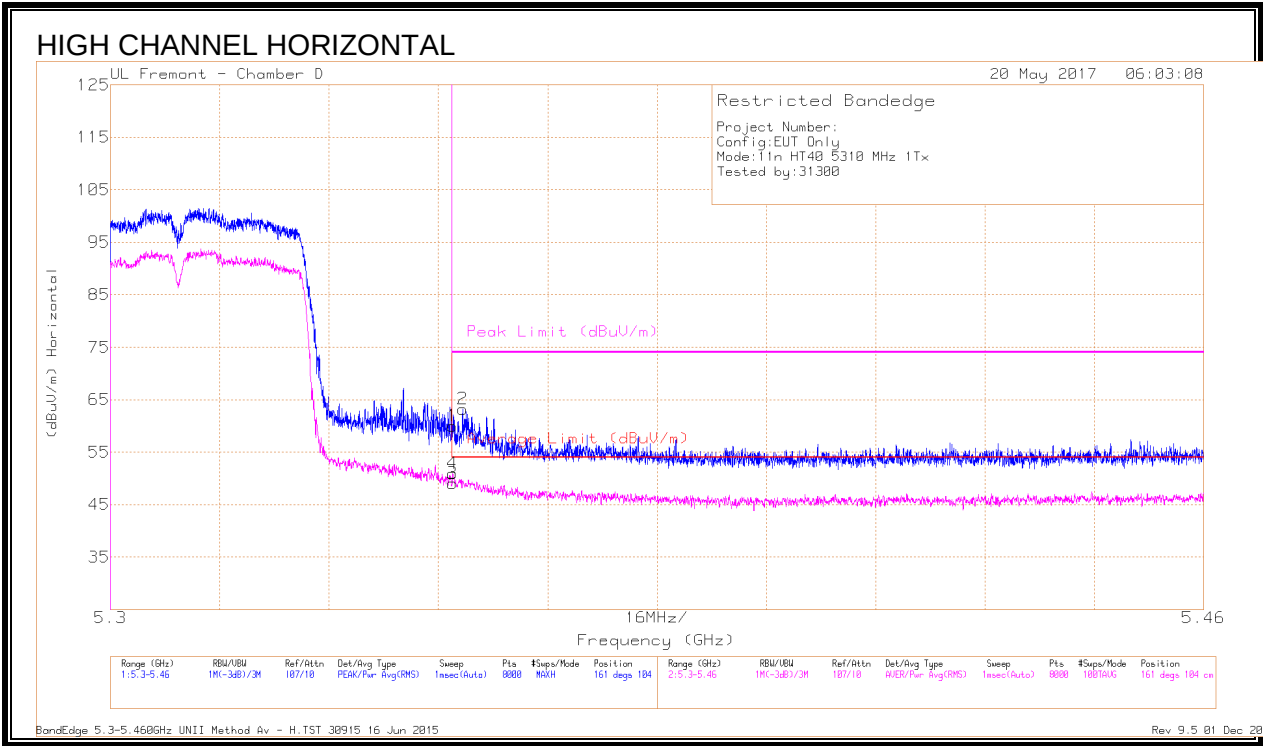
ADR - U-NII AD primary method, RMS average

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

Rev 9.5 26 Apr 2016

9.1.13. 11n HT40 UAT 2 SISO MODE IN THE 5.3GHz BAND

AUTHORIZED BANDEDGE (HIGH CHANNEL)



Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	DC Factor	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	43.81	Pk	34.6	-18.4		60.01	-	-	74	-13.99	161	104	H
3	* 5.35	32.81	RMS	34.6	-18.4	0.09	49.1	54	-4.90	-	-	161	104	H
4	* 5.35	34.7	RMS	34.6	-18.4	0.09	50.99	54	-3.01	-	-	161	104	H
2	* 5.352	47.02	Pk	34.6	-18.4		63.22	-	-	74	-10.78	161	104	H

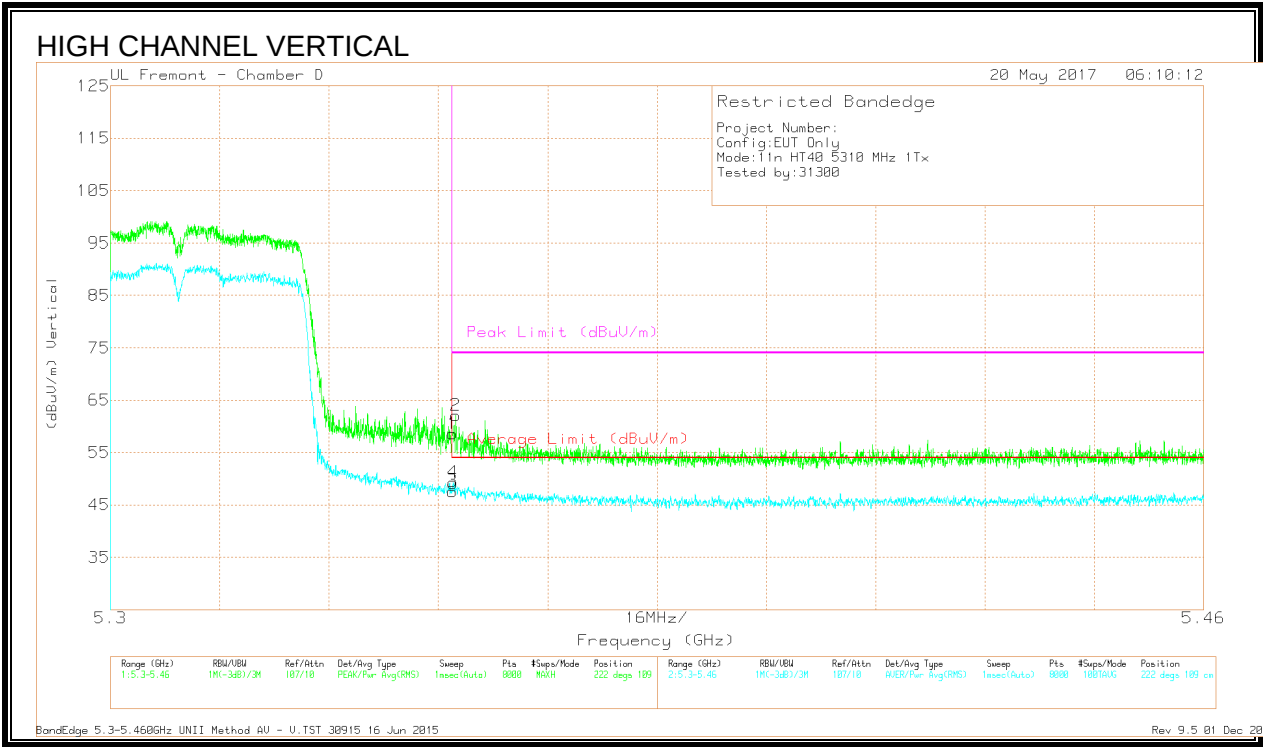
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BandEdge 5.3-5.460GHz UNII Method Av - H.TST 30915 16 Jun 2015

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Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	DC Factor	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	42.41	Pk	34.6	-18.4		58.61	-	-	74	-15.39	222	109	V
3	* 5.35	31.42	RMS	34.6	-18.4	0.09	47.71	54	-6.29	-	-	222	109	V
4	* 5.35	33.04	RMS	34.6	-18.4	0.09	49.33	54	-4.67	-	-	222	109	V
2	* 5.351	45.91	Pk	34.6	-18.4		62.11	-	-	74	-11.89	222	109	V

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

Pk - Peak detector

RMS - RMS detection

BandEdge 5.3-5.460GHz UNII Method AV - V.TST 30915 16 Jun 2015

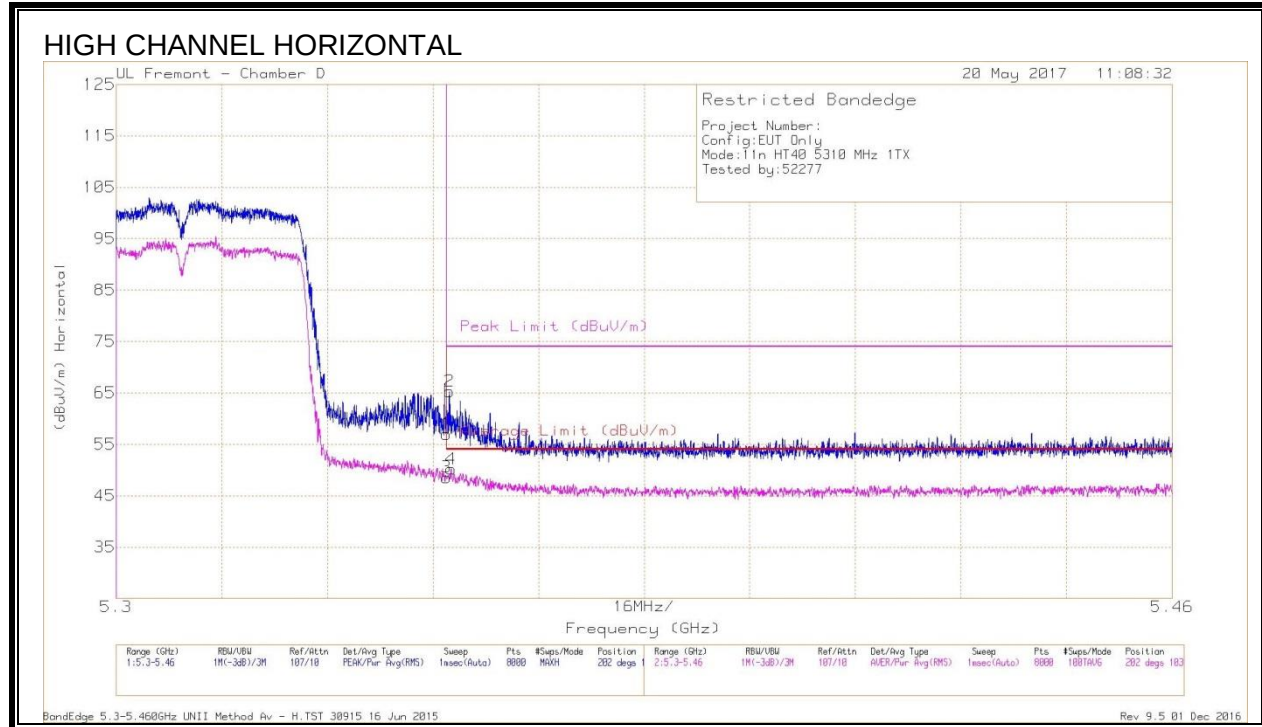
Rev 9.5 01 Dec 2016

HARMONICS AND SPURIOUS EMISSIONS

Noted: Covered by 802.11n HT40 2Tx (UAT 2 + LAT 3) CDD MODE IN THE 5.3 GHz BAND

9.1.14. 11n HT40 LAT 3 SISO MODE IN THE 5.3GHz BAND

AUTHORIZED BANDEDGE (HIGH CHANNEL)



Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl /Fitr/Pad (dB)	DC Factor	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	40.8	Pk	34.6	-18.4		57	-	-	74	-17	202	103	H
2	* 5.35	49.1	Pk	34.6	-18.4		65.3	-	-	74	-8.7	202	103	H
3	* 5.35	32.35	RMS	34.6	-18.4	0.09	48.64	54	-5.36	-	-	202	103	H
4	* 5.351	33.98	RMS	34.6	-18.4	0.09	50.27	54	-3.73	-	-	202	103	H

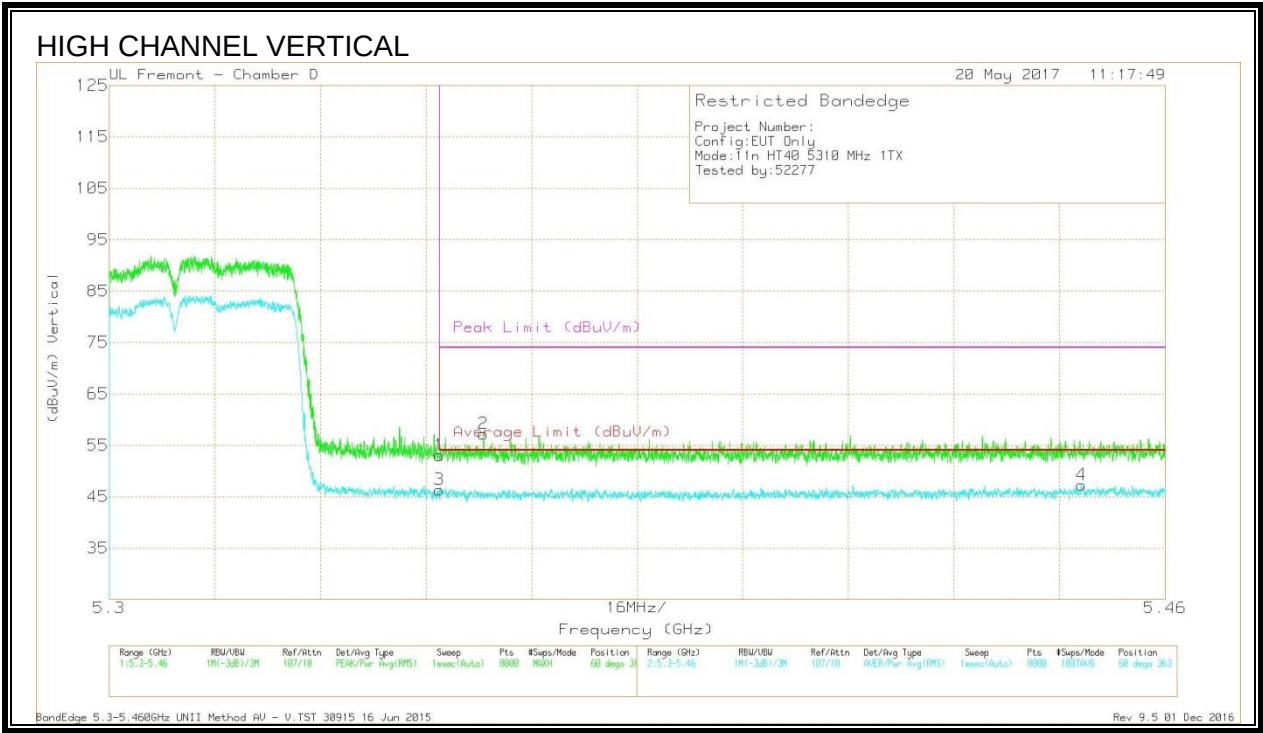
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BandEdge 5.3-5.460GHz UNII Method Av - H.TST 30915 16 Jun 2015

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Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	DC Factor	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	36.89	Pk	34.6	-18.4		53.09	-	-	74	-20.91	60	363	V
2	* 5.357	41.03	Pk	34.6	-18.4		57.23	-	-	74	-16.77	60	363	V
3	* 5.35	30.15	RMS	34.6	-18.4	0.09	46.44	54	-7.565	-	-	60	363	V
4	* 5.447	30.69	RMS	34.7	-18.1	0.09	47.38	54	-6.62	-	-	60	363	V

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

Pk - Peak detector

RMS - RMS detection

BandEdge 5.3-5.460GHz UNII Method AV - V.TST 30915 16 Jun 2015

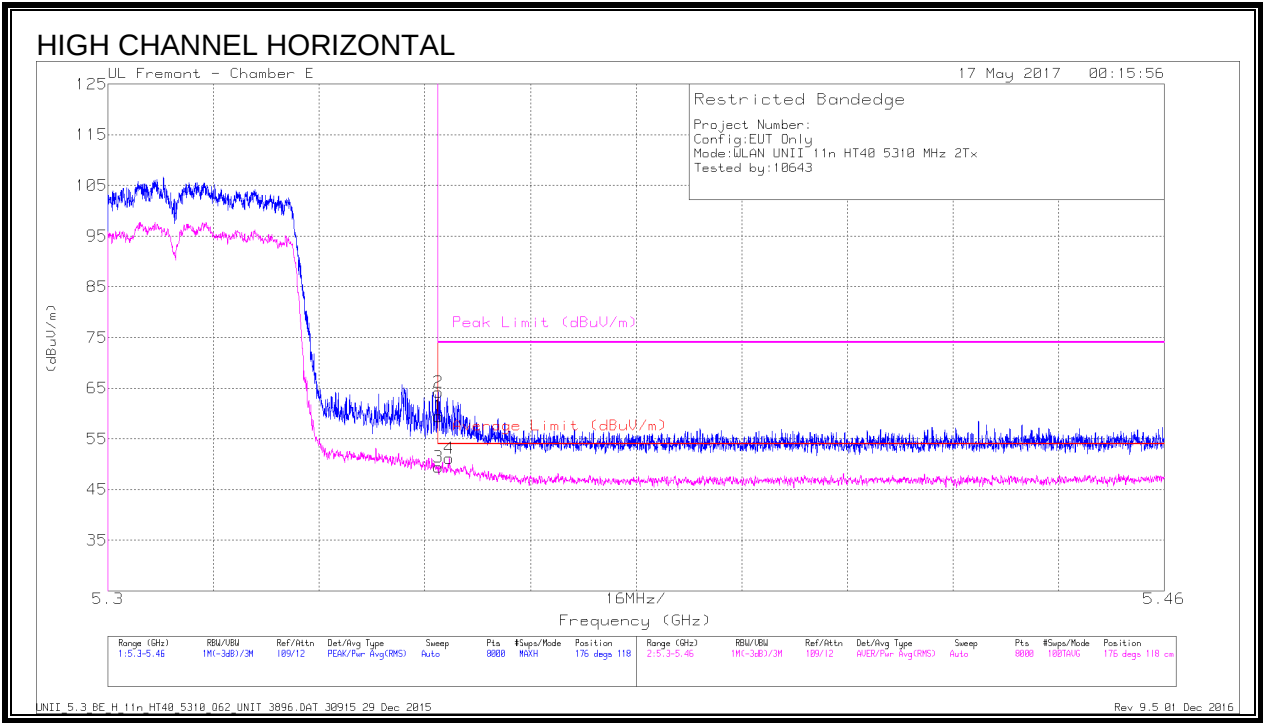
Rev 9.5 01 Dec 2016

HARMONICS AND SPURIOUS EMISSIONS

Noted: Covered by 802.11n HT40 2Tx (UAT 2 + LAT 3) CDD MODE IN THE 5.3 GHz BAND

9.1.15. 11n HT40 2TX CDD MIMO MODE IN THE 5.3GHz BAND

AUTHORIZED BANDEDGE (HIGH CHANNEL)



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)	Averag e Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimet h (Degs)	Height (cm)	Polarity
1	* 5.35	43.52	Pk	35.2	-19.3	0	59.42	-	-	74	-14.58	176	118	H
2	* 5.35	48.35	Pk	35.2	-19.3	0	64.25	-	-	74	-9.75	176	118	H
3	* 5.35	33.53	RMS	35.2	-19.3	.09	49.52	54	-4.48	-	-	176	118	H
4	* 5.352	35.31	RMS	35.2	-19.3	.09	51.3	54	-2.7	-	-	176	118	H

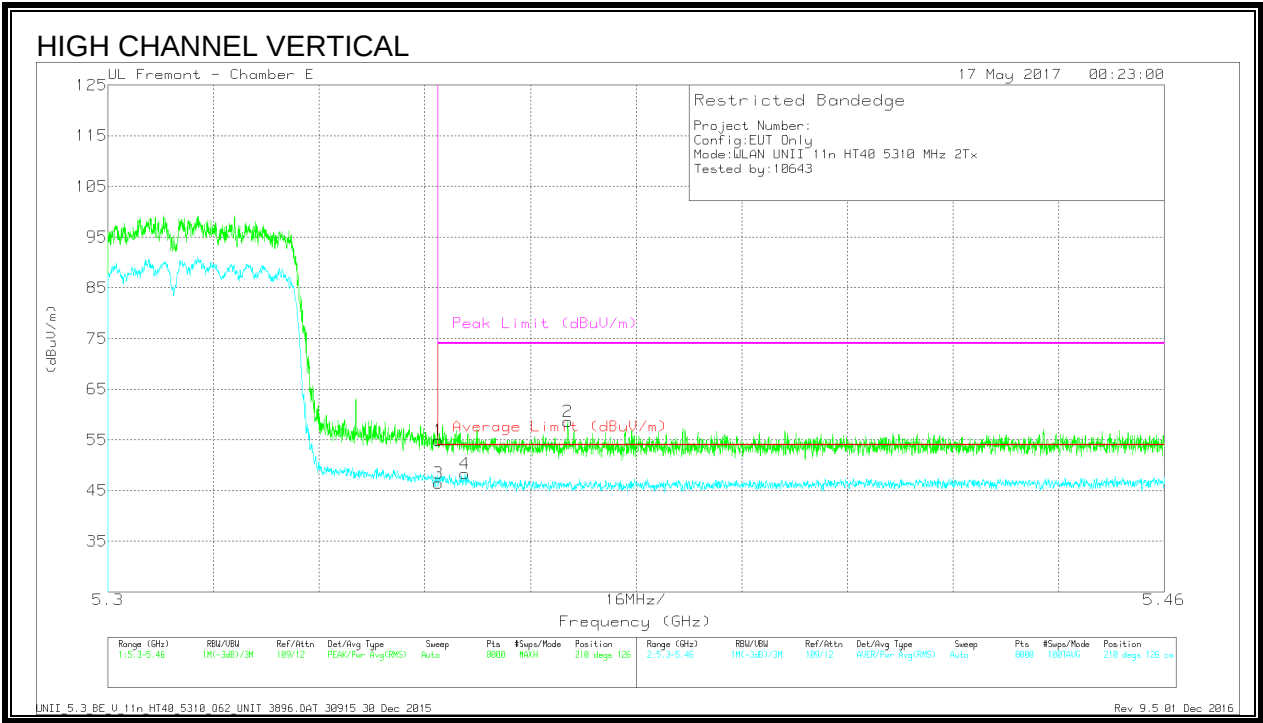
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

UNIT_5.3_BE_H_11n_HT40_5310_Q62_UNIT 3896.DAT 30915 29 Dec 2015

Rev 9.5 01 Dec 2016



Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl /Fitr/Pa d (dB)	DC Factor	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	38.97	Pk	35.2	-19.3		54.87	-	-	74	-19.13	210	126	V
2	* 5.37	42.7	Pk	35.2	-19.3		58.6	-	-	74	-15.4	210	126	V
3	* 5.35	30.57	RMS	35.2	-19.3	0.09	46.56	54	-7.44	-	-	210	126	V
4	* 5.354	32.37	RMS	35.2	-19.3	0.09	48.36	54	-5.64	-	-	210	126	V

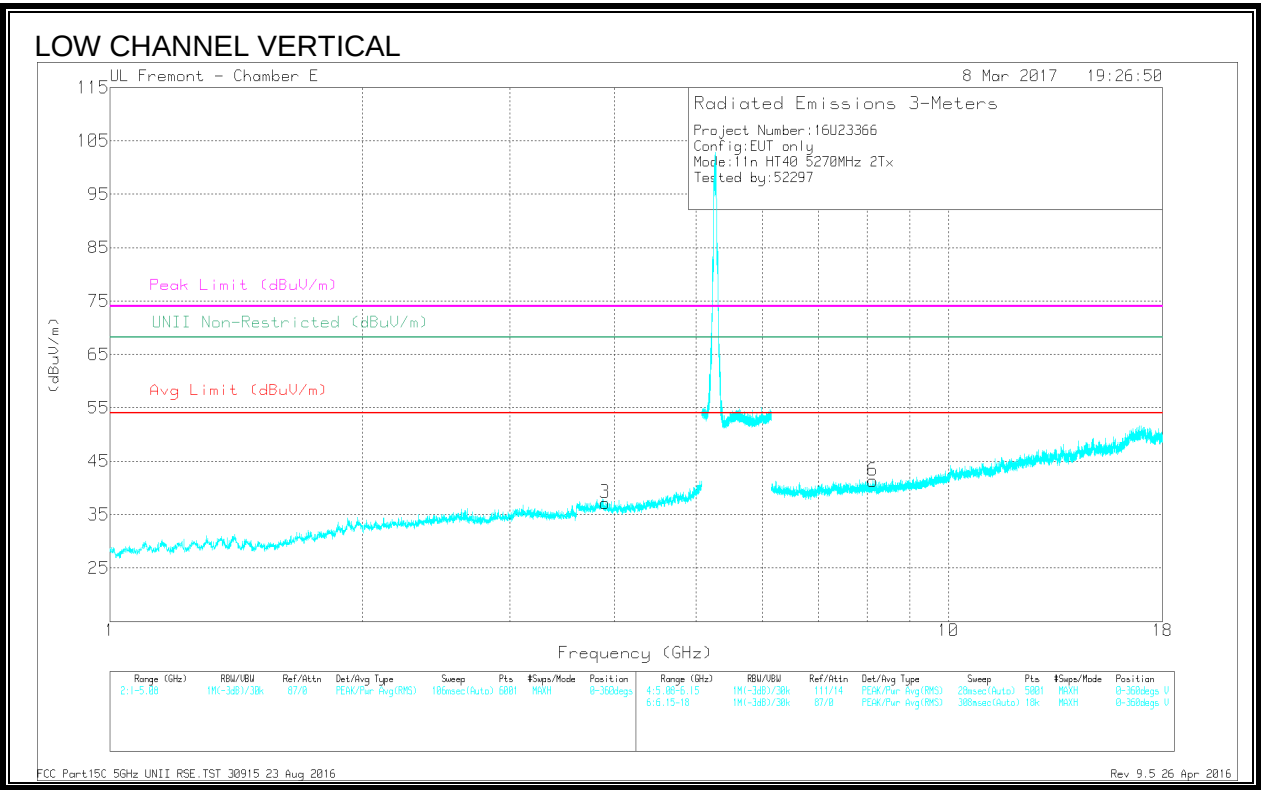
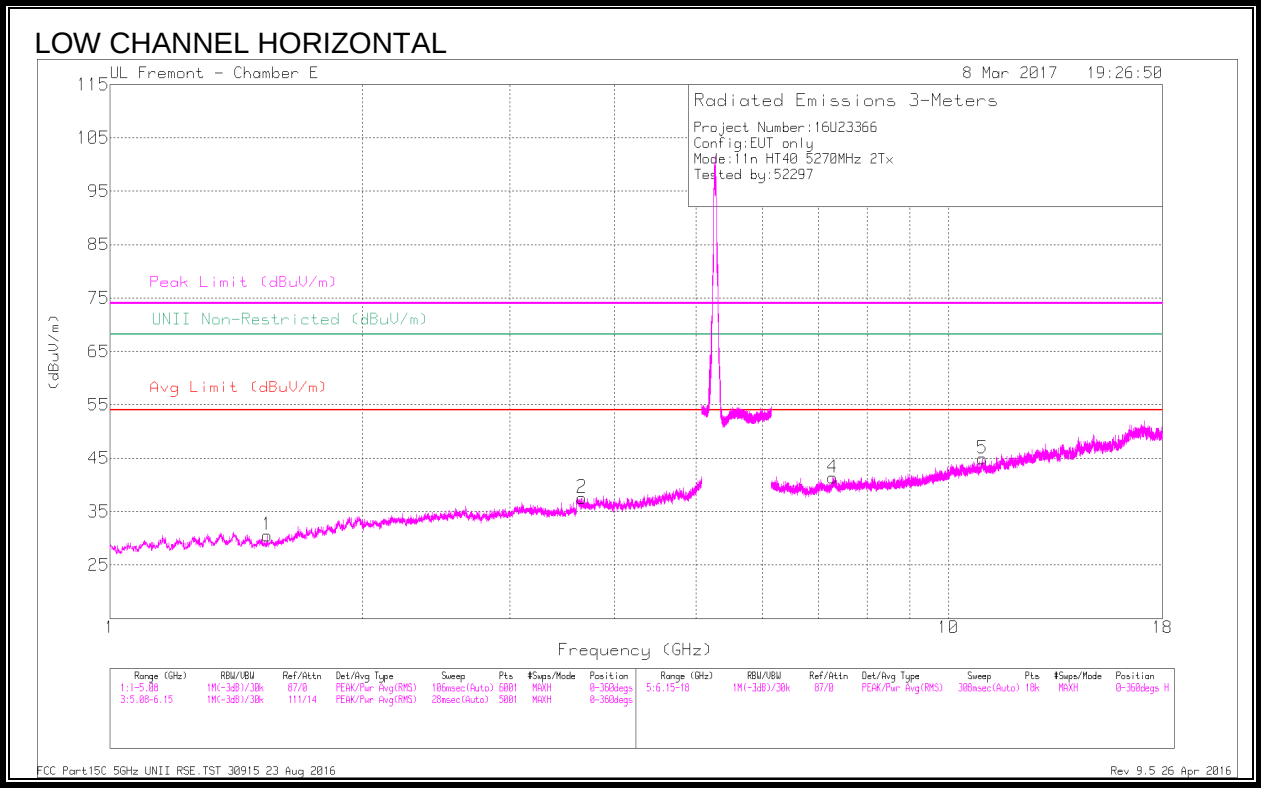
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

UNII_5.3_BE_V_11n_HT40_5310_Q62_UNIT_3896.DAT_30915_30_Dec_2015

Rev 9.5 01 Dec 2016



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Ftr/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	* 1.539	43.56	PK-U	28.1	-35.1	0	36.56	-	-	74	-37.44	-	-	155	200	H
	* 1.539	33.24	ADR	28.1	-35.1	.09	26.34	54	-27.66	-	-	-	-	155	200	H
2	* 3.657	40.51	PK-U	33.2	-30.7	0	43.01	-	-	74	-30.99	-	-	175	178	H
	* 3.656	30.22	ADR	33.2	-30.7	.09	32.82	54	-21.18	-	-	-	-	175	178	H
3	* 3.894	40.55	PK-U	33.4	-30.5	0	43.45	-	-	74	-30.55	-	-	43	346	V
	* 3.894	30.74	ADR	33.4	-30.5	.09	33.74	54	-20.26	-	-	-	-	43	346	V
4	* 7.28	38.8	PK-U	35.9	-26.2	0	48.5	-	-	74	-25.5	-	-	122	278	H
	* 7.279	27.82	ADR	35.9	-26.2	.09	37.62	54	-16.38	-	-	-	-	122	278	H
5	* 10.982	35.86	PK-U	37.6	-22.1	0	51.36	-	-	74	-22.64	-	-	299	244	H
	* 10.982	25.52	ADR	37.6	-22.1	.09	41.12	54	-12.88	-	-	-	-	299	244	H
6	* 8.119	37.91	PK-U	36	-26.6	0	47.31	-	-	74	-26.69	-	-	342	149	V
	* 8.119	28.16	ADR	36	-26.6	.09	37.66	54	-16.34	-	-	-	-	342	149	V

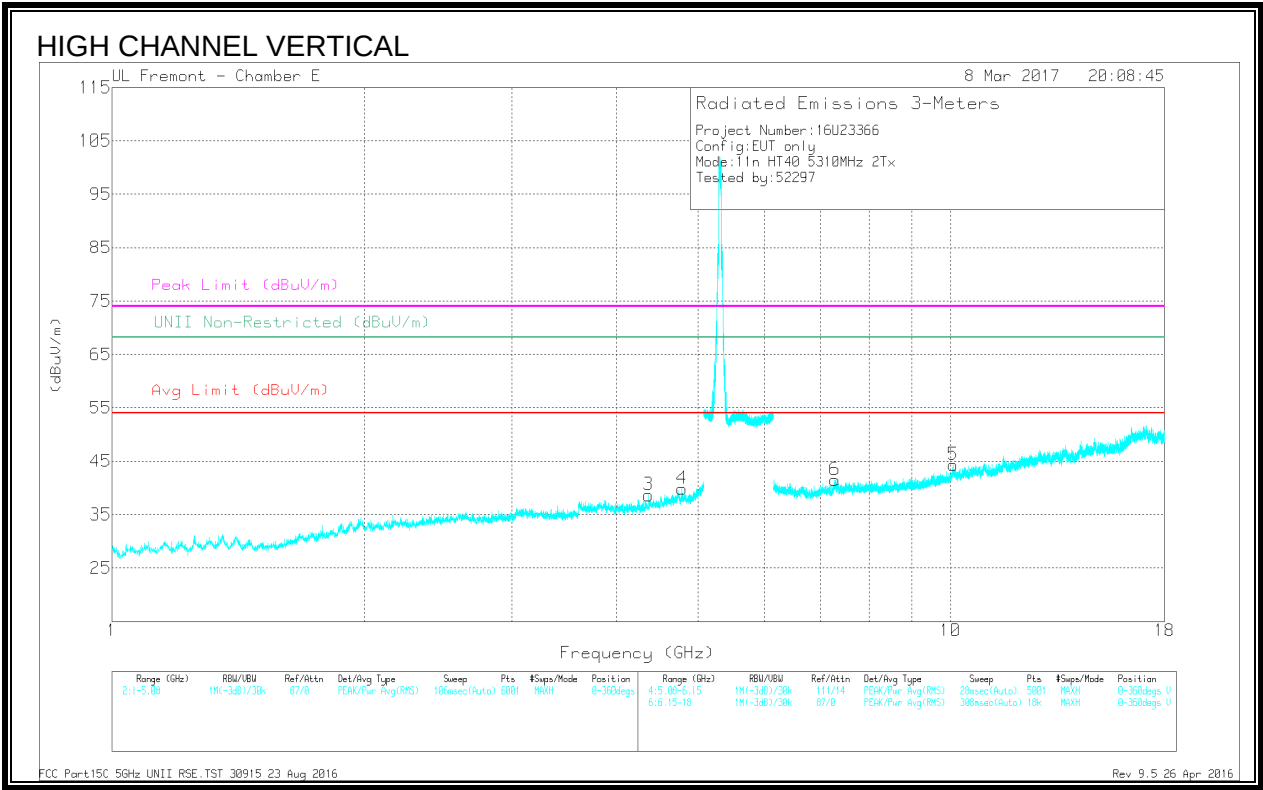
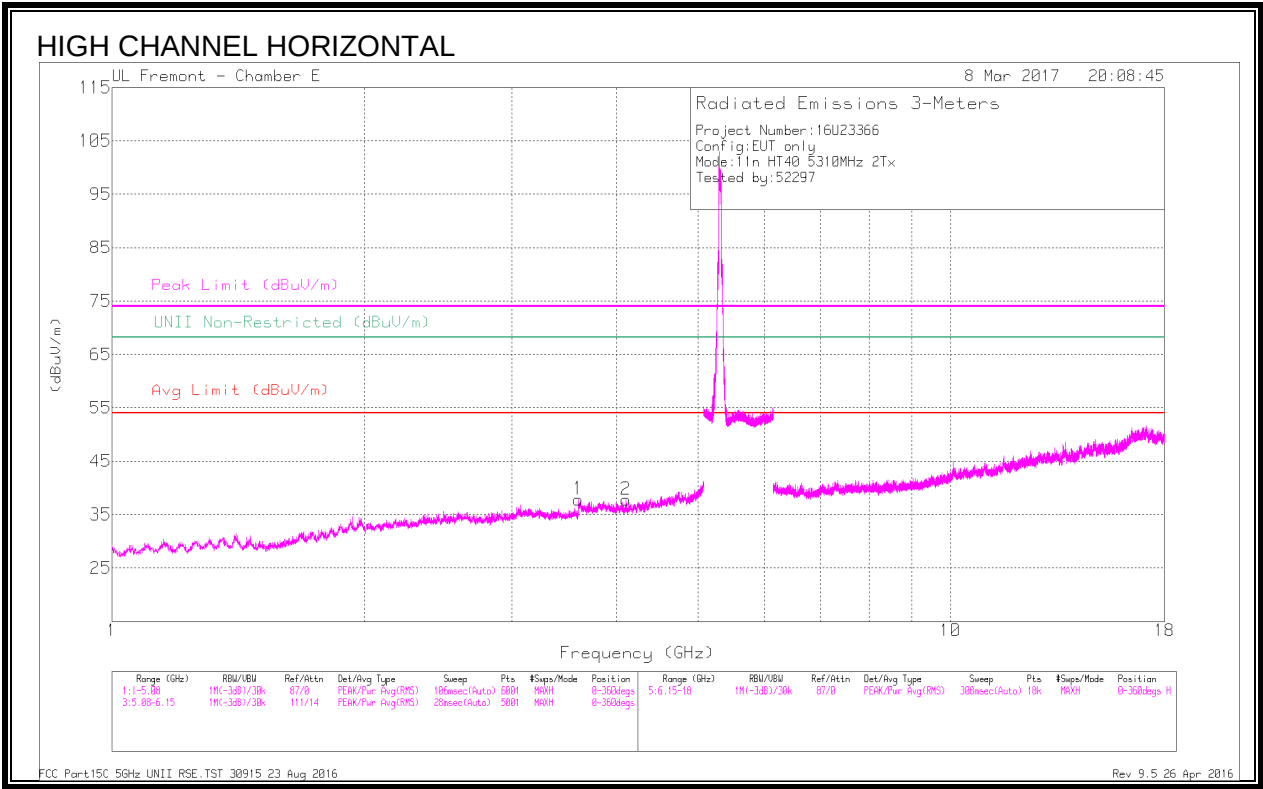
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

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

Rev 9.5 26 Apr 2016



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	* 3.601	41.17	PK-U	32.9	-30.6	0	43.47	-	-	74	-30.53	-	-	319	128	H
	* 3.6	30.27	ADR	32.9	-30.6	.09	32.67	54	-21.33	-	-	-	-	319	128	H
2	* 4.105	40.18	PK-U	33.5	-30.5	0	43.18	-	-	74	-30.82	-	-	277	153	H
	* 4.102	30.37	ADR	33.5	-30.6	.09	33.37	54	-20.63	-	-	-	-	277	153	H
3	* 4.359	40.22	PK-U	33.7	-30	0	43.92	-	-	74	-30.08	-	-	222	354	V
	* 4.366	30.16	ADR	33.7	-30	.09	33.96	54	-20.04	-	-	-	-	222	354	V
4	* 4.787	41.09	PK-U	34.2	-29.5	0	45.79	-	-	74	-28.21	-	-	133	228	V
	* 4.787	30.83	ADR	34.2	-29.5	.09	35.63	54	-18.37	-	-	-	-	133	228	V
5	10.078	36.06	PK-U	37.3	-22.7	0	50.66	-	-	-	-	68.2	-17.54	70	272	V
6	* 7.285	37.95	PK-U	35.9	-26.2	0	47.65	-	-	74	-26.35	-	-	191	248	V
	* 7.282	27.9	ADR	35.9	-26.2	.09	37.7	54	-16.3	-	-	-	-	191	248	V

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

PK-U - U-NII: Maximum Peak

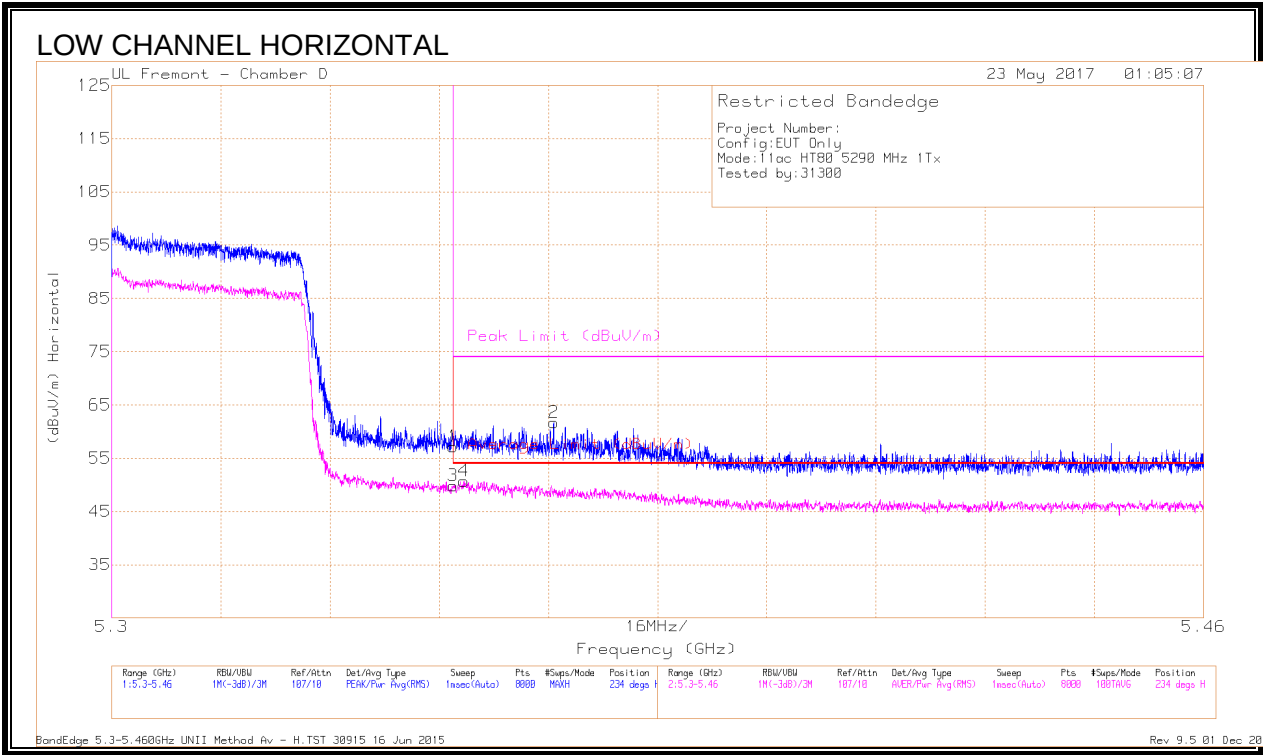
ADR - U-NII AD primary method, RMS average

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

Rev 9.5 26 Apr 2016

9.1.16. 11ac HT80 UAT 2 SISO MODE IN THE 5.3GHz BAND

AUTHORIZED BANDEDGE (HIGH CHANNEL)



Marker	Frequen- cy (GHz)	Meter Readin g (dBuV)	Det	AF T120 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	DC Factor	Corrected Reading (dBuV/m)	Avera ge Limit (dBu V/m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimet h (Degs)	Height (cm)	Polarity
1	* 5.35	40.97	Pk	34.6	-18.4		57.17	-	-	74	-16.83	234	280	H
3	* 5.35	33.64	RMS	34.6	-18.4	0.19	50.03	54	-3.97	-	-	234	280	H
4	* 5.352	34.47	RMS	34.6	-18.4	0.19	50.86	54	-3.14	-	-	234	280	H
2	* 5.365	45.46	Pk	34.6	-18.4		61.66	-	-	74	-12.34	234	280	H

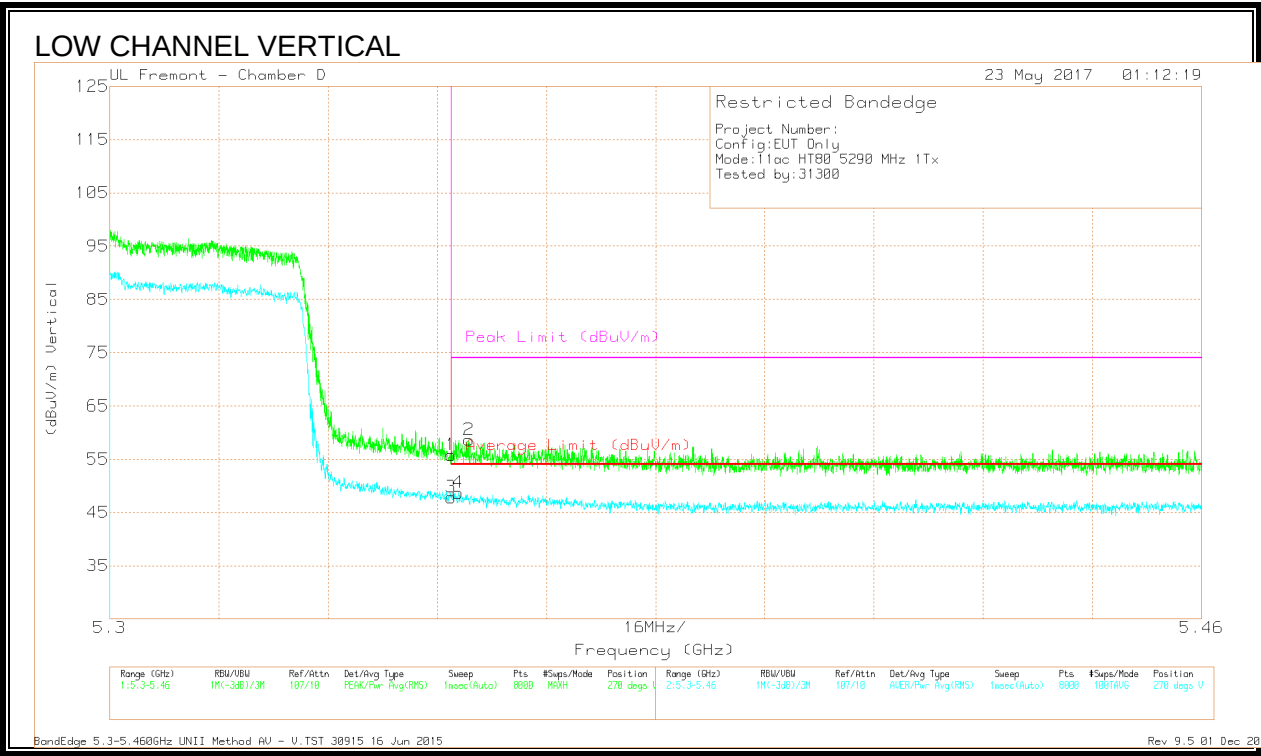
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BandEdge 5.3-5.460GHz UNII Method Av - H.TST 30915 16 Jun 2015

Rev 9.5 01 Dec 2016



Marker	Frequen cy (GHz)	Meter Readin g (dBuV)	Det	AF T120 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	DC Factor	Correct ed Readin g (dBuV/ m)	Averag e Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimet h (Degs)	Height (cm)	Polarity
1	* 5.35	39.58	Pk	34.6	-18.4		55.78	-	-	74	-18.22	270	384	V
3	* 5.35	31.64	RMS	34.6	-18.4	0.19	48.03	54	-5.97	-	-	270	384	V
4	* 5.351	32.49	RMS	34.6	-18.4	0.19	48.88	54	-5.12	-	-	270	384	V
2	* 5.353	42.42	Pk	34.6	-18.4		58.62	-	-	74	-15.38	270	384	V

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

Pk - Peak detector

RMS - RMS detection

BandEdge 5.3-5.460GHz UNII Method AV - V.TST 30915 16 Jun 2015

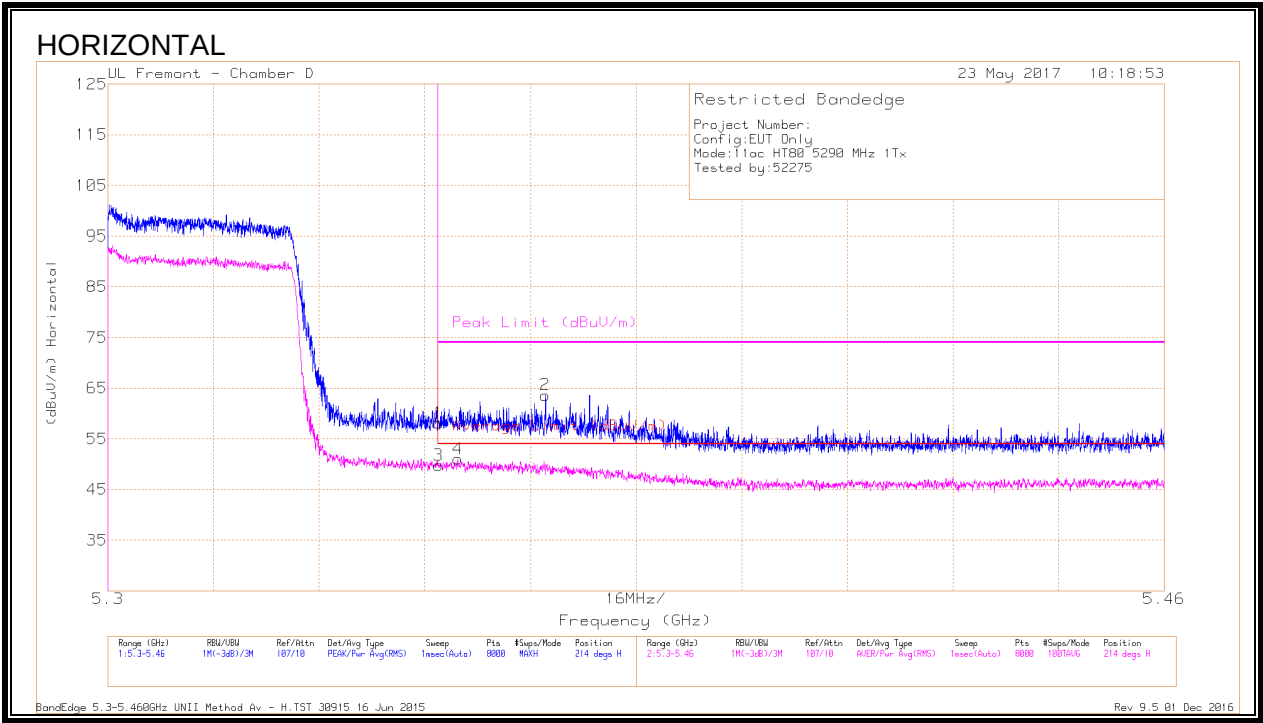
Rev 9.5 01 Dec 2016

HARMONICS AND SPURIOUS EMISSIONS

Noted: Covered by 802.11n VHT80 2Tx (UAT 2 + LAT 3) CDD MODE IN THE 5.3 GHz BAND

9.1.17. 11ac HT80 LAT 3 SISO MODE IN THE 5.3GHz BAND

AUTHORIZED BANDEDGE (HIGH CHANNEL)



Marker	Frequ ncy (GHz)	Meter Readin g (dBuV)	Det	AF T120 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	DC Factor	Correct ed Readin g (dBuV/ m)	Averag e Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimet h (Degs)	Height (cm)	Polarit y
1	* 5.35	41.94	Pk	34.6	-18.4		58.14	-	-	74	-15.86	214	116	H
2	* 5.366	47.44	Pk	34.6	-18.4		63.64	-	-	74	-10.36	214	116	H
3	* 5.35	33.55	RMS	34.6	-18.4	0.19	49.94	54	-4.06	-	-	214	116	H
4	* 5.353	34.89	RMS	34.6	-18.4	0.19	51.28	54	-2.72	-	-	214	116	H

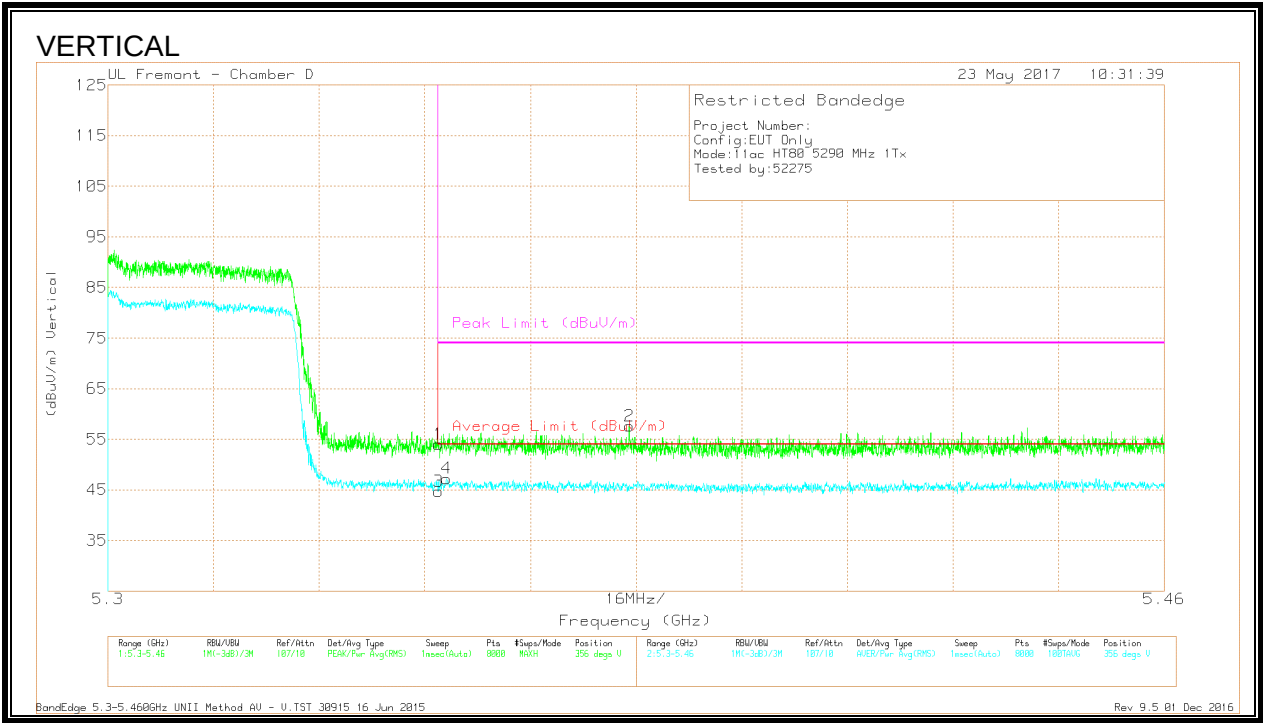
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BandEdge 5.3-5.460GHz UNII Method Av - H.TST 30915 16 Jun 2015

Rev 9.5 01 Dec 2016



Marker	Frequ ncy (GHz)	Meter Readin g (dBuV)	Det	AF T120 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	DC Factor	Correct ed Readin g (dBuV/ m)	Averag e Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimet h (Degs)	Height (cm)	Polarit y
1	* 5.35	37.87	Pk	34.6	-18.4		54.07	-	-	74	-19.93	356	162	V
2	* 5.379	41.37	Pk	34.6	-18.3		57.67	-	-	74	-16.33	356	162	V
3	* 5.35	28.53	RMS	34.6	-18.4	0.19	44.92	54	-9.08	-	-	356	162	V
4	* 5.351	31.05	RMS	34.6	-18.4	0.19	47.44	54	-6.56	-	-	356	162	V

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

Pk - Peak detector

RMS - RMS detection

BandEdge 5.3-5.460GHz UNII Method AV - V.TST 30915 16 Jun 2015

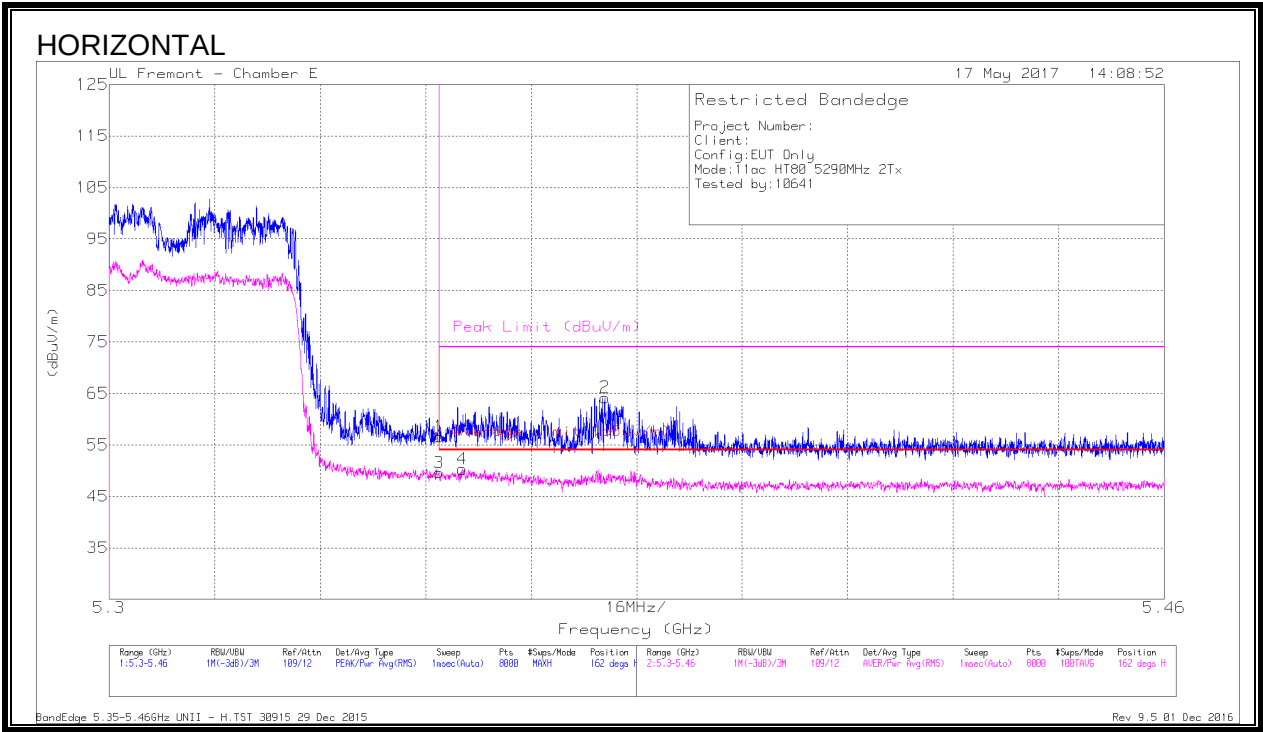
Rev 9.5 01 Dec 2016

HARMONICS AND SPURIOUS EMISSIONS

Noted: Covered by 802.11n VHT80 2Tx (UAT 2 + LAT 3) CDD MODE IN THE 5.3 GHz BAND

9.1.18. 11ac HT80 2TX CDD MIMO MODE IN THE 5.3GHz BAND

AUTHORIZED BANDEDGE (HIGH CHANNEL)



Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AFT136 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	DC Corr (dB)	Correct ed Reading (dBuV/ m)	Average Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimet h (Degs)	Height (cm)	Polarity
1	* 5.35	40.72	Pk	35.2	-19.3	0	56.62	-	-	74	-17.38	162	100	H
2	* 5.375	48.38	Pk	35.2	-19.4	0	64.18	-	-	74	-9.82	162	100	H
3	* 5.35	33.54	RMS	35.2	-19.3	.19	49.62	54	-4.38	-	-	162	100	H
4	* 5.354	34.23	RMS	35.2	-19.3	.19	50.32	54	-3.68	-	-	162	100	H

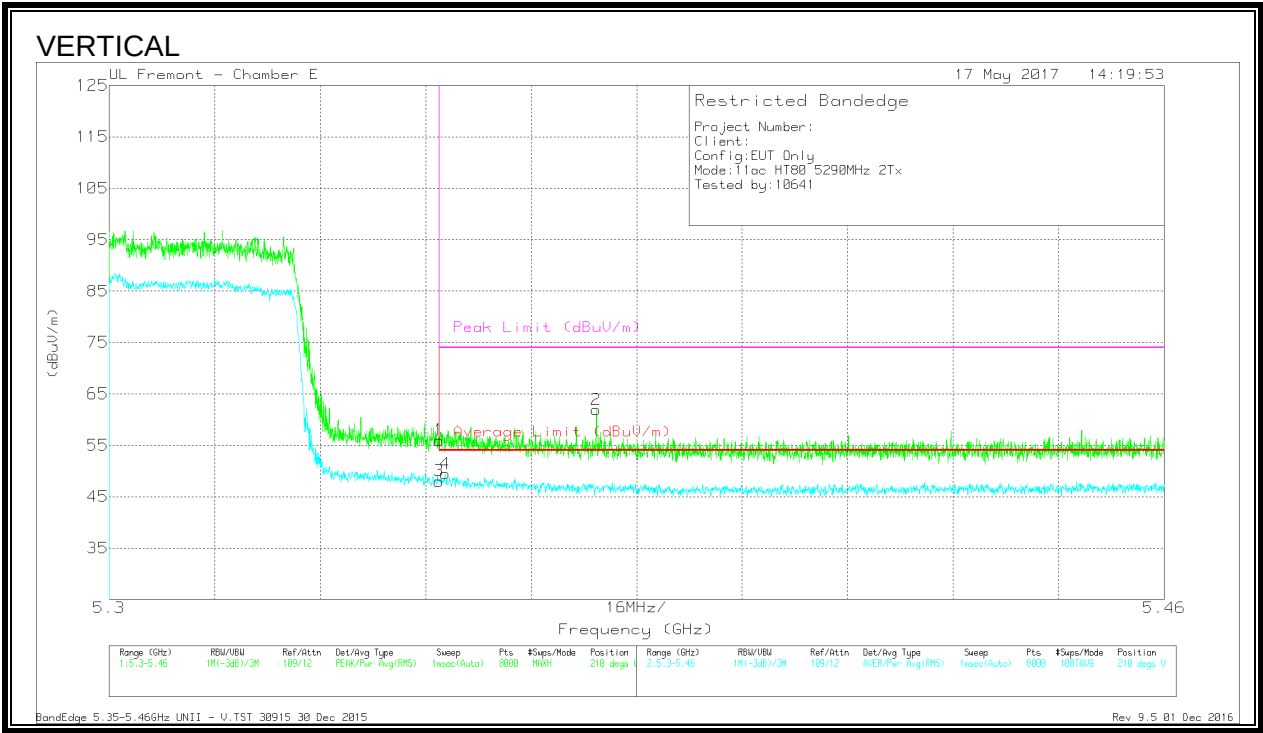
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BandEdge 5.35-5.46GHz UN11 - H.TST 30915 29 Dec 2015

Rev 9.5 01 Dec 2016



Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl /Ftr/Pa d (dB)	DC Factor	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	40.08	Pk	35.2	-19.3		55.98	-	-	74	-18.02	210	115	V
2	* 5.374	46.12	Pk	35.2	-19.4		61.92	-	-	74	-12.08	210	115	V
3	* 5.35	32.16	RMS	35.2	-19.3	0.19	48.25	54	-5.75	-	-	210	115	V
4	* 5.351	33.54	RMS	35.2	-19.3	0.19	49.63	54	-4.37	-	-	210	115	V

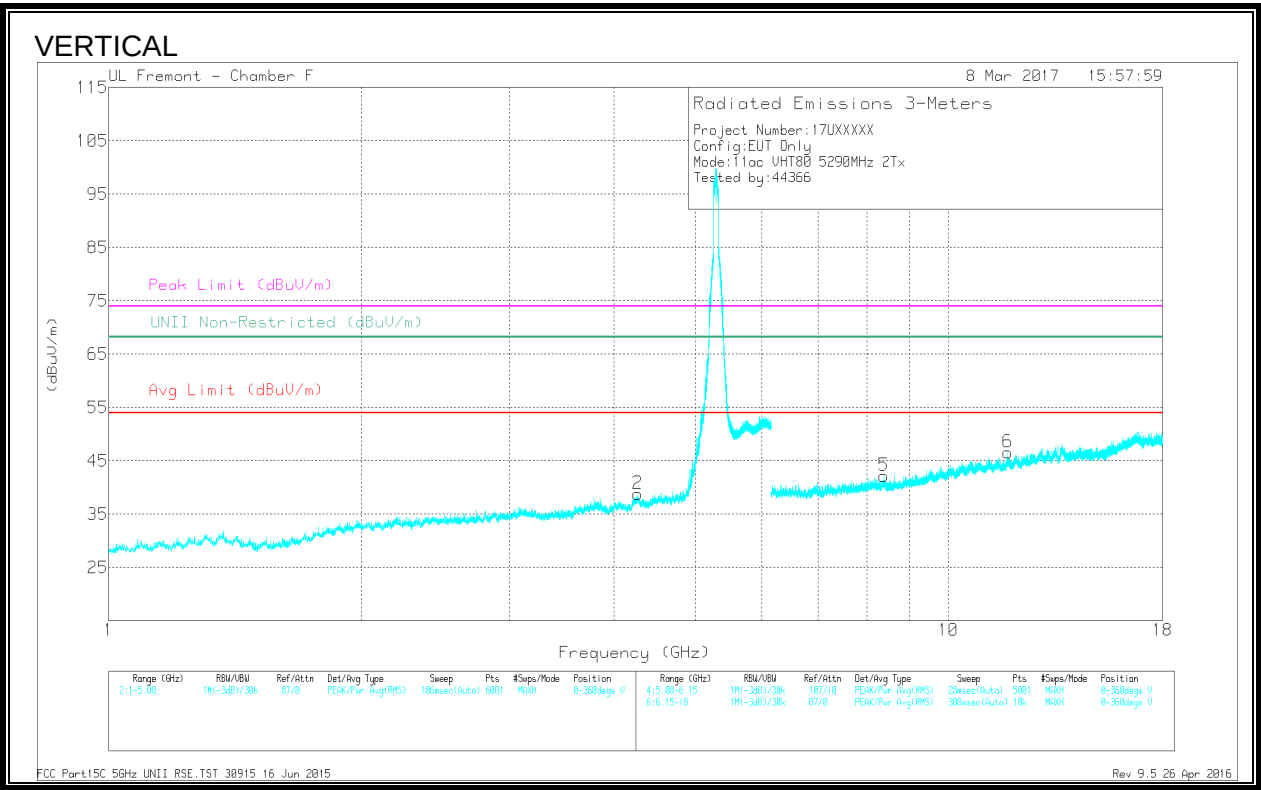
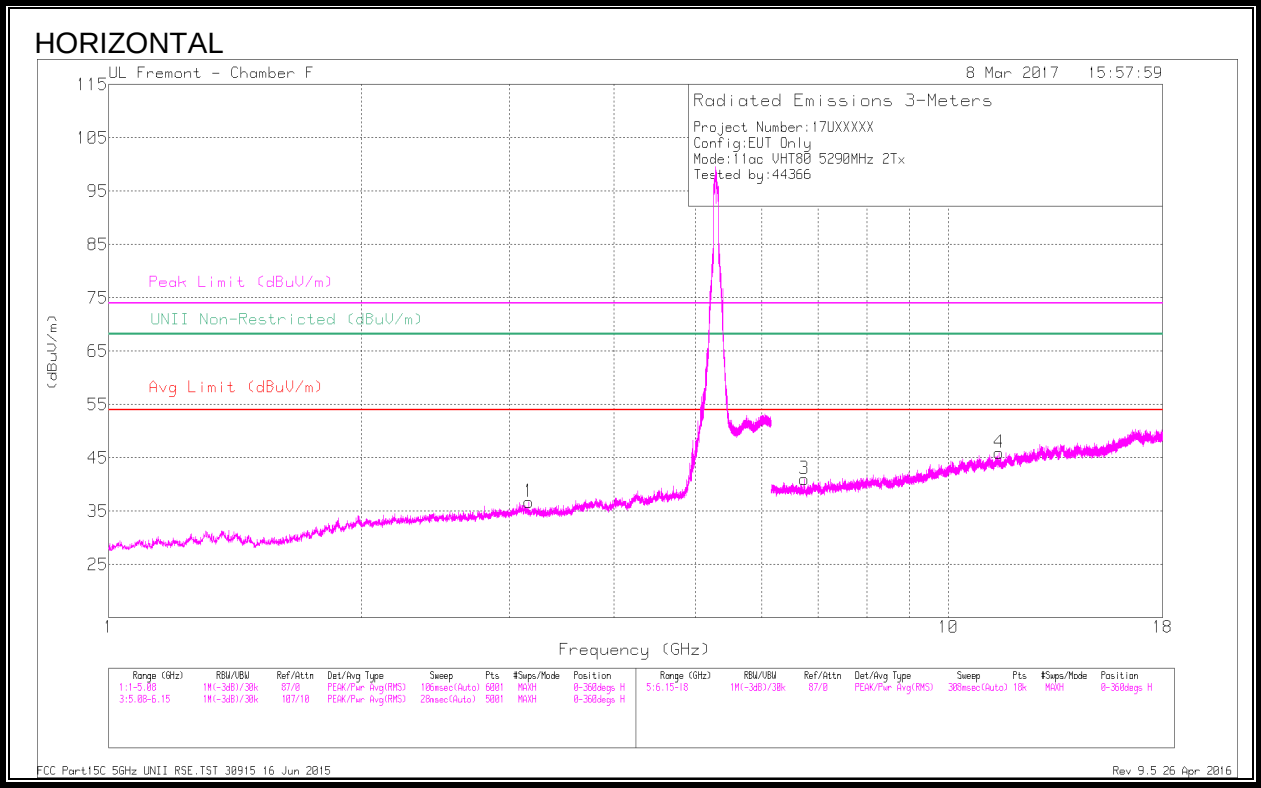
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BandEdge 5.35-5.46GHz UNII - V.TST 30915 30 Dec 2015

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DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (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	3.168	39.82	PK-U	33.2	-29.9	0	43.12	-	-	-	-	68.2	-25.08	229	211	H
2	* 4.271	37.72	PK-U	33.7	-26.8	0	44.62	-	-	74	-29.38	-	-	62	258	V
	* 4.27	27.08	ADR	33.7	-26.8	.19	34.17	54	-19.83	-	-	-	-	62	258	V
3	6.741	37.28	PK-U	35.5	-26.4	0	46.38	-	-	-	-	68.2	-21.82	272	193	H
4	* 11.502	35.42	PK-U	38.1	-21.6	0	51.92	-	-	74	-22.08	-	-	81	286	H
	* 11.508	23.93	ADR	38.1	-21.6	.19	40.62	54	-13.38	-	-	-	-	81	286	H
5	* 8.381	35.46	PK-U	35.7	-23.7	0	47.46	-	-	74	-26.54	-	-	131	231	V
	* 8.381	25.68	ADR	35.7	-23.7	.19	37.87	54	-16.13	-	-	-	-	131	231	V
6	* 11.783	35.29	PK-U	38.4	-21.3	0	52.39	-	-	74	-21.61	-	-	187	265	V
	* 11.783	25.03	ADR	38.4	-21.3	.19	42.32	54	-11.68	-	-	-	-	187	265	V

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

PK-U - U-NII: Maximum Peak

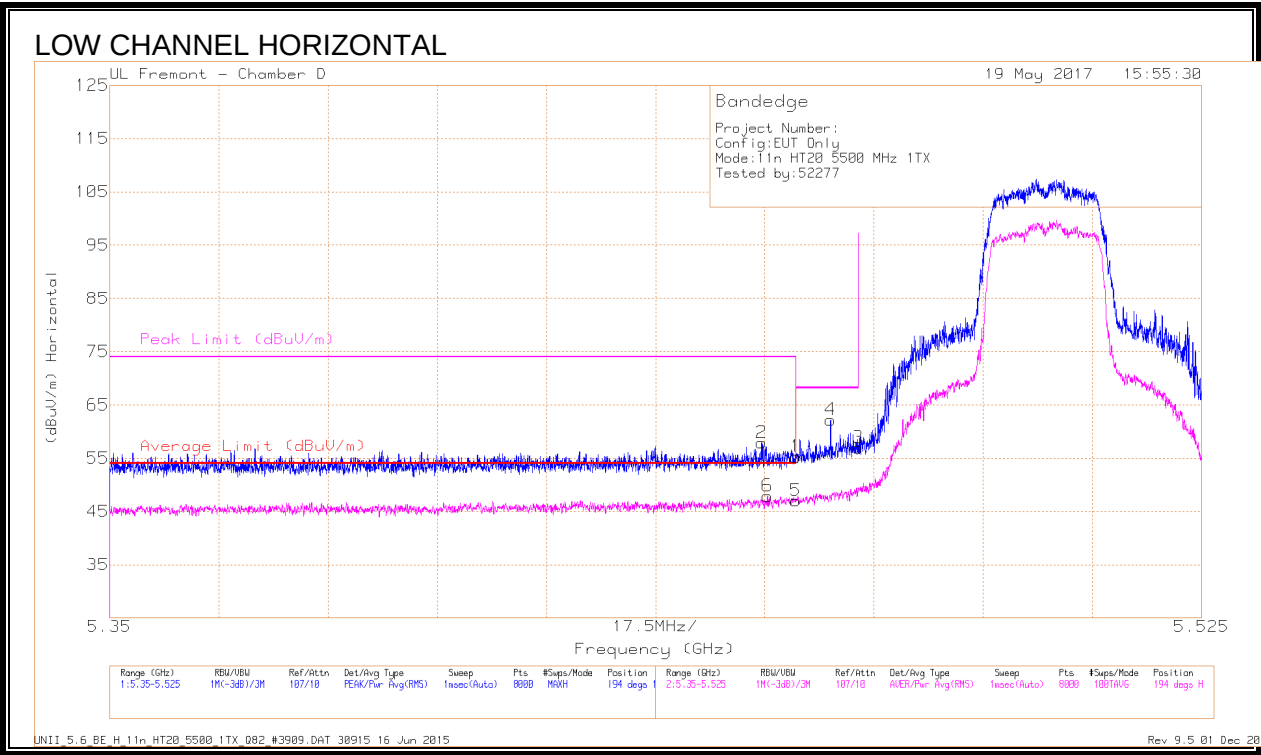
ADR - U-NII AD primary method, RMS average

FCC Part15C 5GHz UNII RSE.TST 30915 16 Jun 2015

Rev 9.5 26 Apr 2016

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

RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequen- cy (GHz)	Meter Readin- g (dBuV)	Det	AF T120 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	Correct ed Readin- g (dBuV/ m)	Averag e Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimet h (Degs)	Height (cm)	Polarity
2	* 5.454	41.19	Pk	34.7	-18	57.89	-	-	74	-16.11	194	130	H
6	* 5.455	31.21	RMS	34.7	-18	47.91	54	-6.09	-	-	194	130	H
1	* 5.46	38.49	Pk	34.7	-17.9	55.29	-	-	74	-18.71	194	130	H
5	* 5.46	30.23	RMS	34.7	-17.9	47.03	54	-6.97	-	-	194	130	H
4	5.466	45.41	Pk	34.7	-17.9	62.21	-	-	68.2	-5.99	194	130	H
3	5.47	40.15	Pk	34.7	-17.9	56.95	-	-	68.2	-11.25	194	130	H

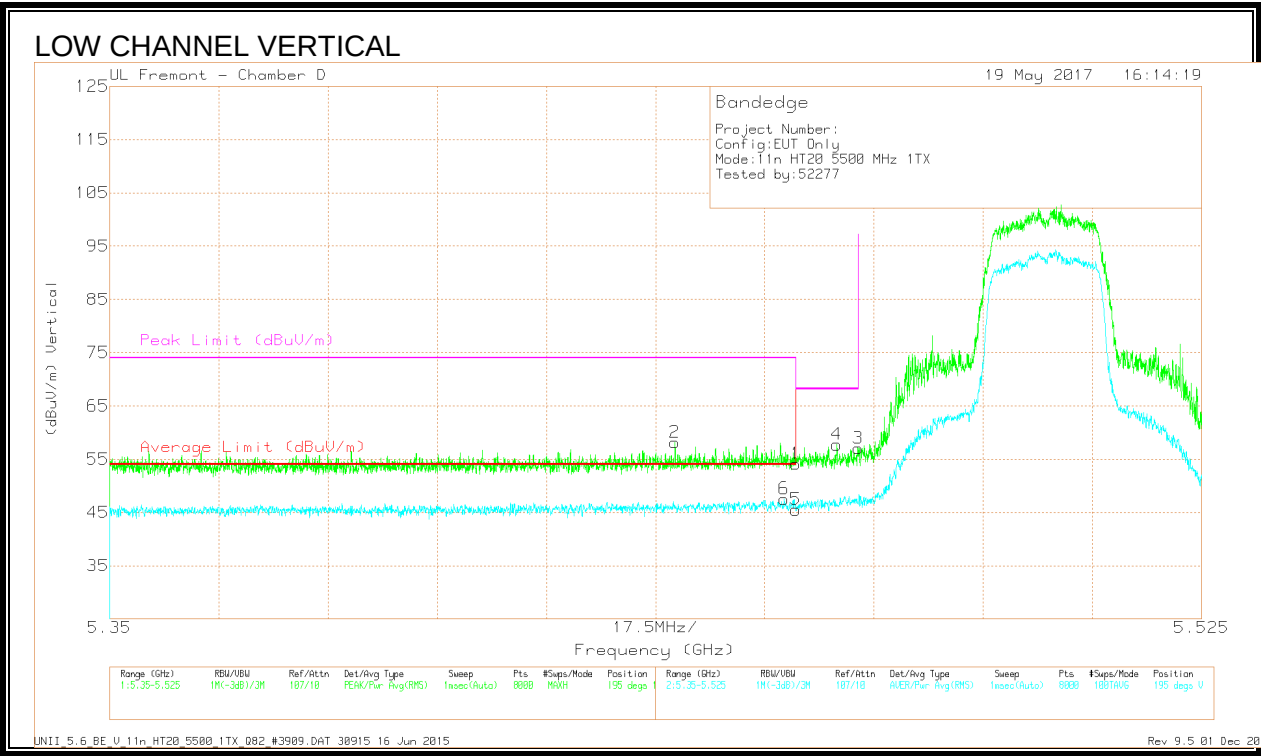
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

UNII_5.6_BE_H_11n_HT20_5500_1TX_Q82_#3909.DAT 30915 16 Jun 2015

Rev 9.5 01 Dec 2016



Marker	Frequ ncy (GHz)	Meter Readin g (dBuV)	Det	AF T120 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	Correct ed Readin g (dBuV/ m)	Averag e Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimet h (Degs)	Height (cm)	Polarity
2	* 5.441	41.52	Pk	34.7	-18.1	58.12	-	-	74	-15.88	195	146	V
6	* 5.458	30.84	RMS	34.7	-18	47.54	54	-6.46	-	-	195	146	V
1	* 5.46	37.32	Pk	34.7	-17.9	54.12	-	-	74	-19.88	195	146	V
5	* 5.46	28.71	RMS	34.7	-17.9	45.51	54	-8.49	-	-	195	146	V
4	5.467	40.93	Pk	34.7	-17.9	57.73	-	-	68.2	-10.47	195	146	V
3	5.47	40.25	Pk	34.7	-17.9	57.05	-	-	68.2	-11.15	195	146	V

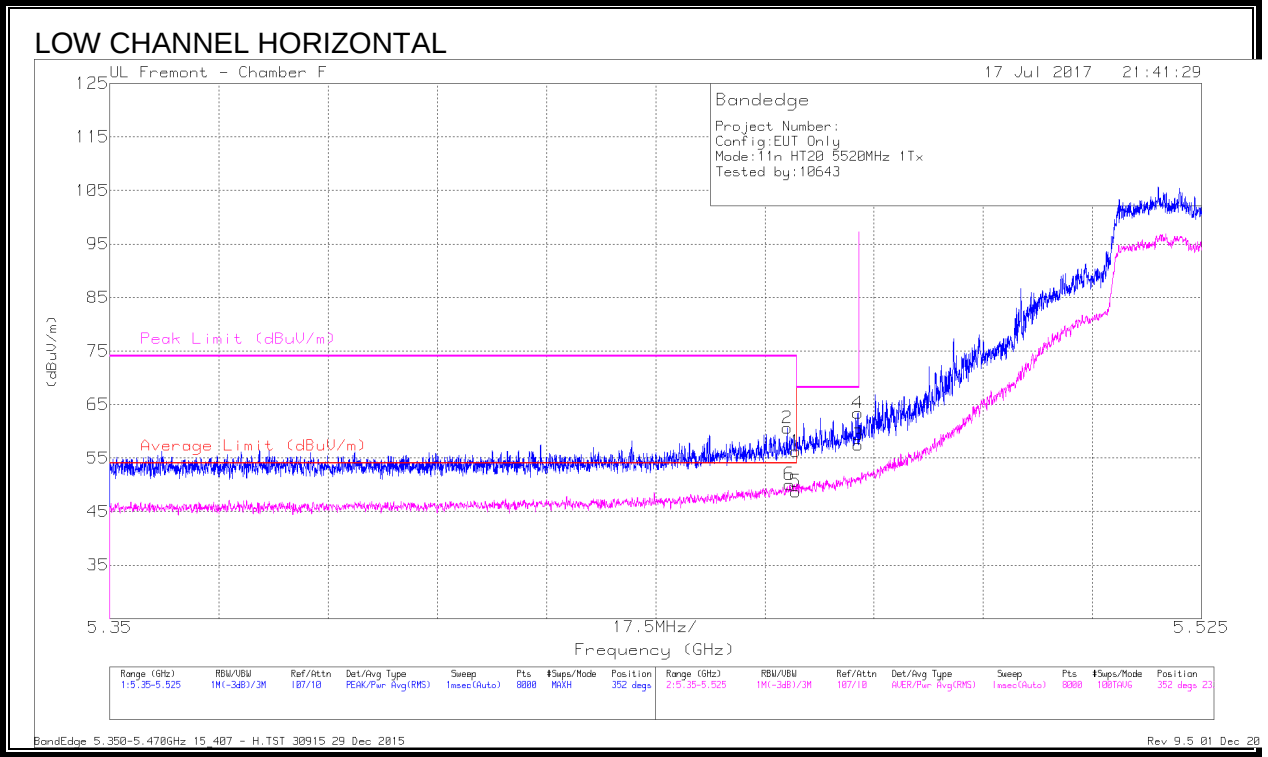
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

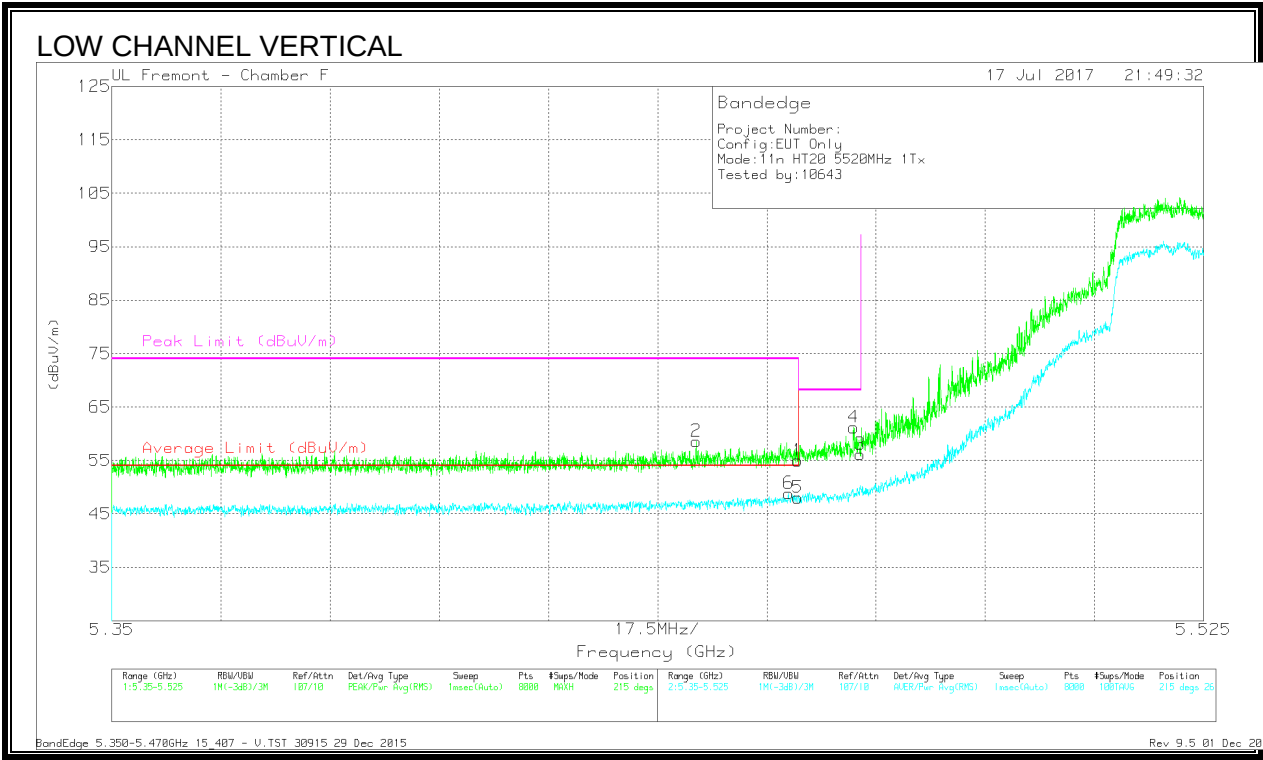
UNII_5.6_BE_V_11n_HT20_5500_1TX_Q82_#3909.DAT 30915 16 Jun 2015

Rev 9.5 01 Dec 2016



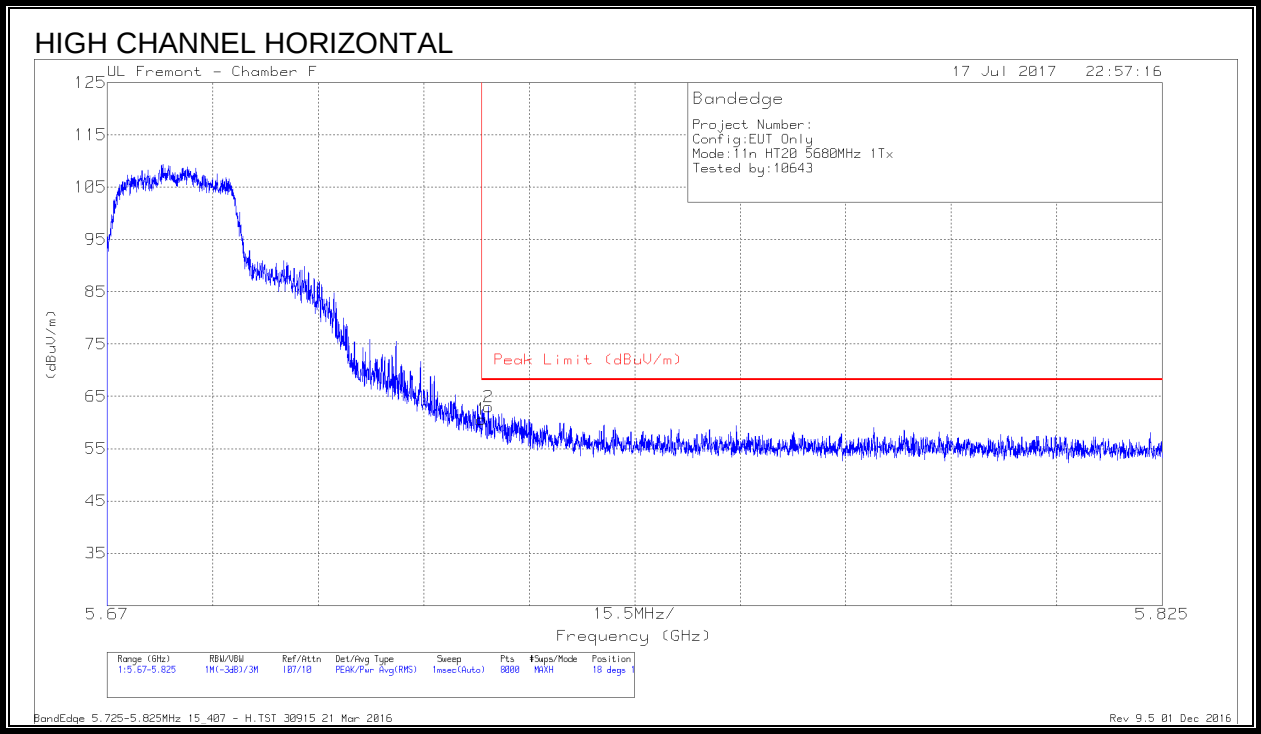
Marker	Frequen- cy (GHz)	Meter Readin- g (dBuV)	Det	AF T119 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	Correct- ed Readin- g (dBuV/ m)	Averag- e Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimu- t (Degs)	Height (cm)	Polarity
1	* 5.46	40.13	Pk	34.8	-18.7	56.23	-	-	74	-17.77	352	233	H
2	* 5.459	44.49	Pk	34.8	-18.7	60.59	-	-	74	-13.41	352	233	H
3	5.47	41.33	Pk	34.8	-18.7	57.43	-	-	68.2	-10.77	352	233	H
4	5.47	47.31	Pk	34.8	-18.7	63.41	-	-	68.2	-4.79	352	233	H
5	* 5.46	32.63	RMS	34.8	-18.7	48.73	54	-5.27	-	-	352	233	H
6	* 5.459	33.95	RMS	34.8	-18.7	50.05	54	-3.95	-	-	352	233	H

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



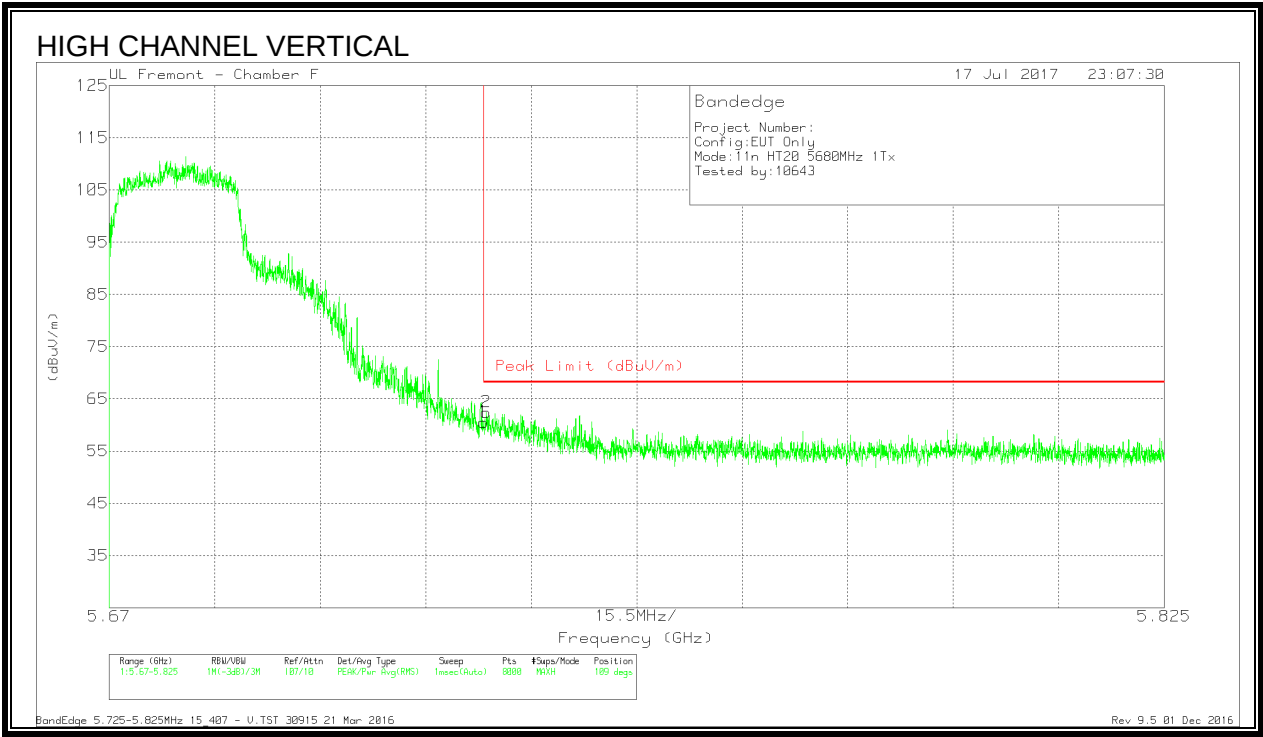
Marker	Frequen- cy (GHz)	Meter Readin g (dBuV)	Det	AF T119 (dB/m)	Amp/C b/Fltr/ Pad (dB)	Correct ed Readin g (dBuV/ m)	Averag e Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	38.89	Pk	34.8	-18.7	54.99	-	-	74	-19.01	215	261	V
2	* 5.444	42.49	Pk	34.8	-18.7	58.59	-	-	74	-15.41	215	261	V
3	5.47	40.03	Pk	34.8	-18.7	56.13	-	-	68.2	-12.07	215	261	V
4	5.469	45.09	Pk	34.8	-18.7	61.19	-	-	68.2	-7.01	215	261	V
5	* 5.46	31.95	RMS	34.8	-18.7	48.05	54	-5.95	-	-	215	261	V
6	* 5.458	32.73	RMS	34.8	-18.7	48.83	54	-5.17	-	-	215	261	V

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



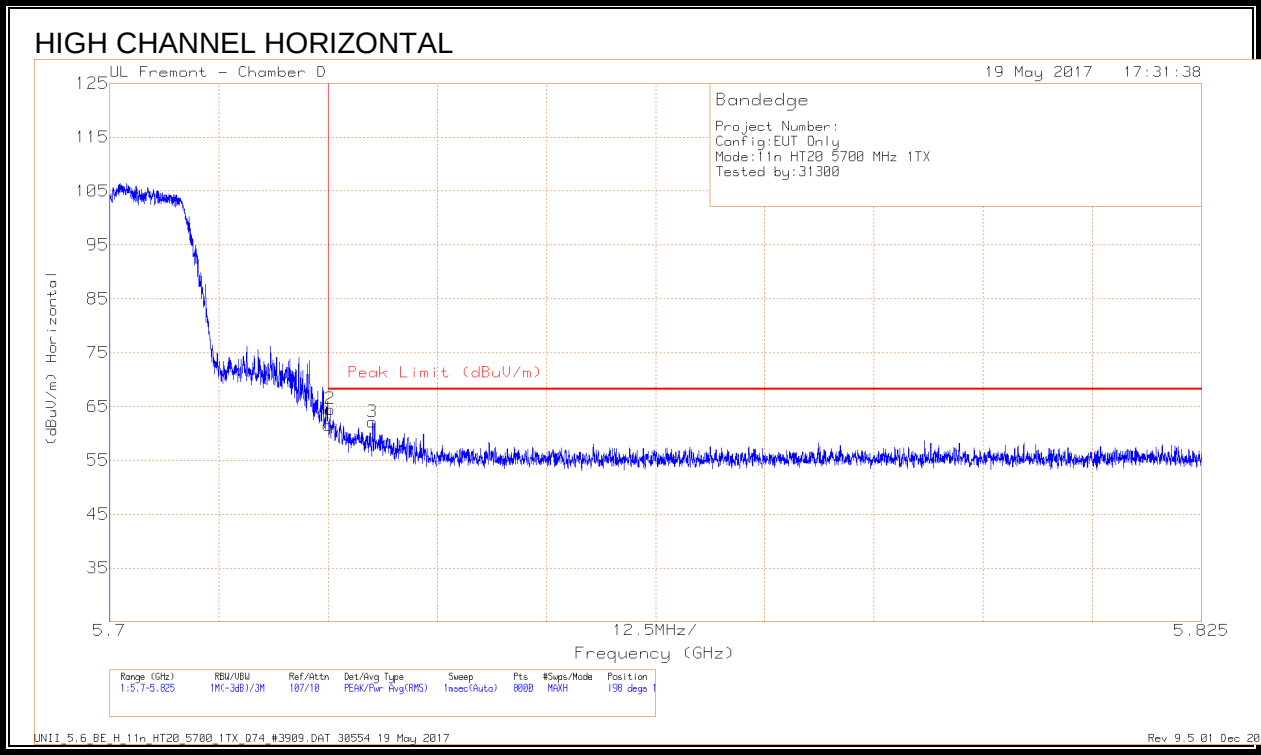
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AFT119 (dB/m)	Amp/Cbl /Fltr/Pad (dB)	Correcte d Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	43.6	Pk	35	-18	60.6	68.2	-7.6	18	102	H
2	5.726	45.98	Pk	35	-18	62.98	68.2	-5.22	18	102	H

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



Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	43.53	Pk	35	-18	60.53	68.2	-7.67	109	202	V
2	5.725	45.46	Pk	35	-18	62.46	68.2	-5.74	109	202	V

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



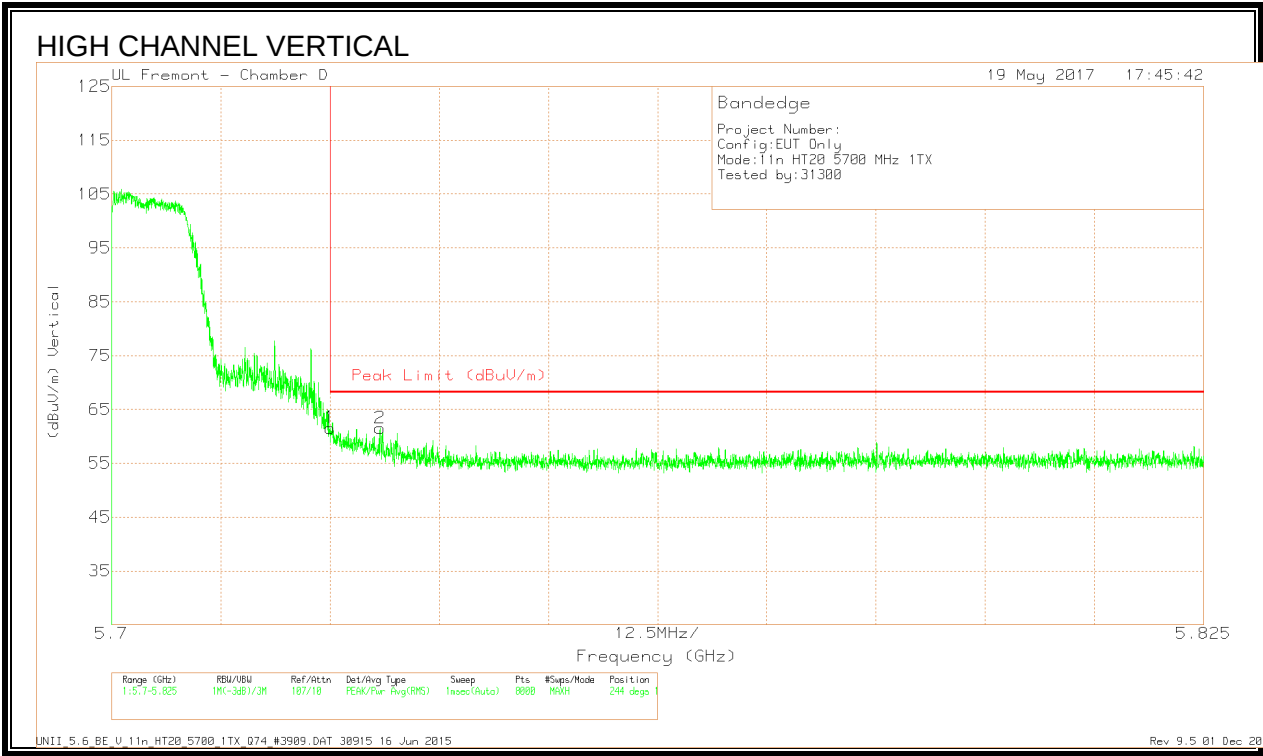
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	44.47	Pk	34.6	-17.5	61.57	68.2	-6.63	198	103	H
2	5.725	47.38	Pk	34.6	-17.5	64.48	68.2	-3.72	198	103	H
3	5.73	45.04	Pk	34.6	-17.5	62.14	68.2	-6.06	198	103	H

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

Pk - Peak detector

UNII_5.6_BE_H_11n_HT20_5700_1TX_Q74_#3909.DAT 30554 19 May 2017

Rev 9.5 01 Dec 2016



Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T120 (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	44.47	Pk	34.6	-17.5	61.57	68.2	-6.63	244	105	V
2	5.731	44.4	Pk	34.6	-17.5	61.5	68.2	-6.7	244	105	V

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

Pk - Peak detector

UNII_5.6_BE_V_11n_HT20_5700_1TX_Q74_#3909.DAT 30915 16 Jun 2015

Rev 9.5 01 Dec 2016

HARMONICS AND SPURIOUS EMISSIONS

Noted: Covered by 802.11n HT20 2Tx (UAT 2 + LAT 3) CDD MODE IN THE 5.6 GHz BAND

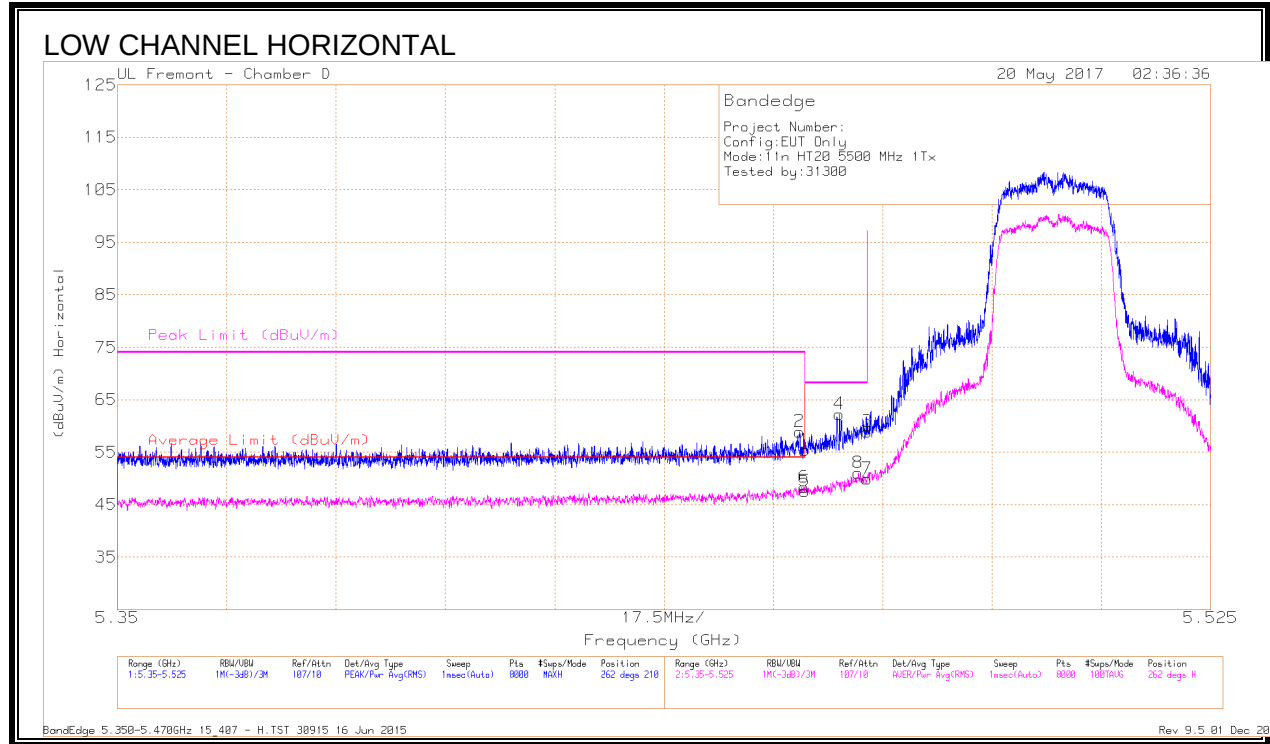
9.1.20. 11ac HT20 UAT 2 SISO STRADDLE CHANNEL 144

HARMONICS AND SPURIOUS EMISSIONS

Noted: Covered by 802.11n HT20 2Tx (UAT 2 + LAT 3) CDD MODE IN THE 5.6 GHz BAND

9.1.21. 11n HT20 LAT 3 SISO MODE IN THE 5.6GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (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	* 5.459	42.22	Pk	34.7	-18	58.92	-	-	74	-15.08	262	210	H
1	* 5.46	38.63	Pk	34.7	-17.9	55.43	-	-	74	-18.57	262	210	H
5	* 5.46	30.71	RMS	34.7	-17.9	47.51	54	-6.49	-	-	262	210	H
6	* 5.46	31.53	RMS	34.7	-17.9	48.33	54	-5.67	-	-	262	210	H
4	5.466	45.47	Pk	34.7	-17.9	62.27	-	-	68.2	-5.93	262	210	H
8	5.469	34.27	RMS	34.7	-17.9	51.07	-	-	-	-	262	210	H
3	5.47	42.12	Pk	34.7	-17.9	58.92	-	-	68.2	-9.28	262	210	H
7	5.47	33.08	RMS	34.7	-17.9	49.88	-	-	-	-	262	210	H

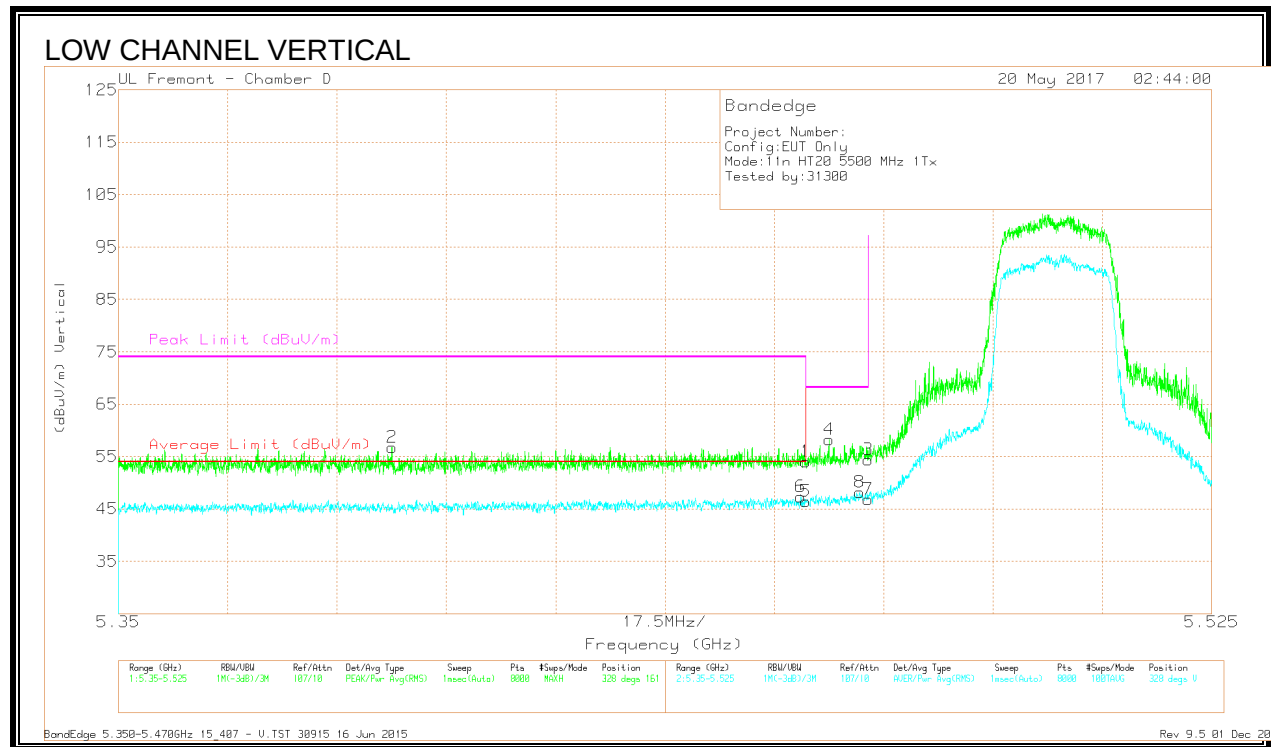
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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



6	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (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	* 5.394	40.52	Pk	34.6	-18.4	56.72	-	-	74	-17.28	328	161	V
6	* 5.459	30.56	RMS	34.7	-18	47.26	54	-6.74	-	-	328	161	V
1	* 5.46	37.27	Pk	34.7	-17.9	54.07	-	-	74	-19.93	328	161	V
5	* 5.46	29.59	RMS	34.7	-17.9	46.39	54	-7.61	-	-	328	161	V
4	5.464	41.45	Pk	34.7	-17.9	58.25	-	-	68.2	-9.95	328	161	V
8	5.469	31.43	RMS	34.7	-17.9	48.23	-	-	-	-	328	161	V
3	5.47	37.59	Pk	34.7	-17.9	54.39	-	-	68.2	-13.81	328	161	V
7	5.47	30.02	RMS	34.7	-17.9	46.82	-	-	-	-	328	161	V

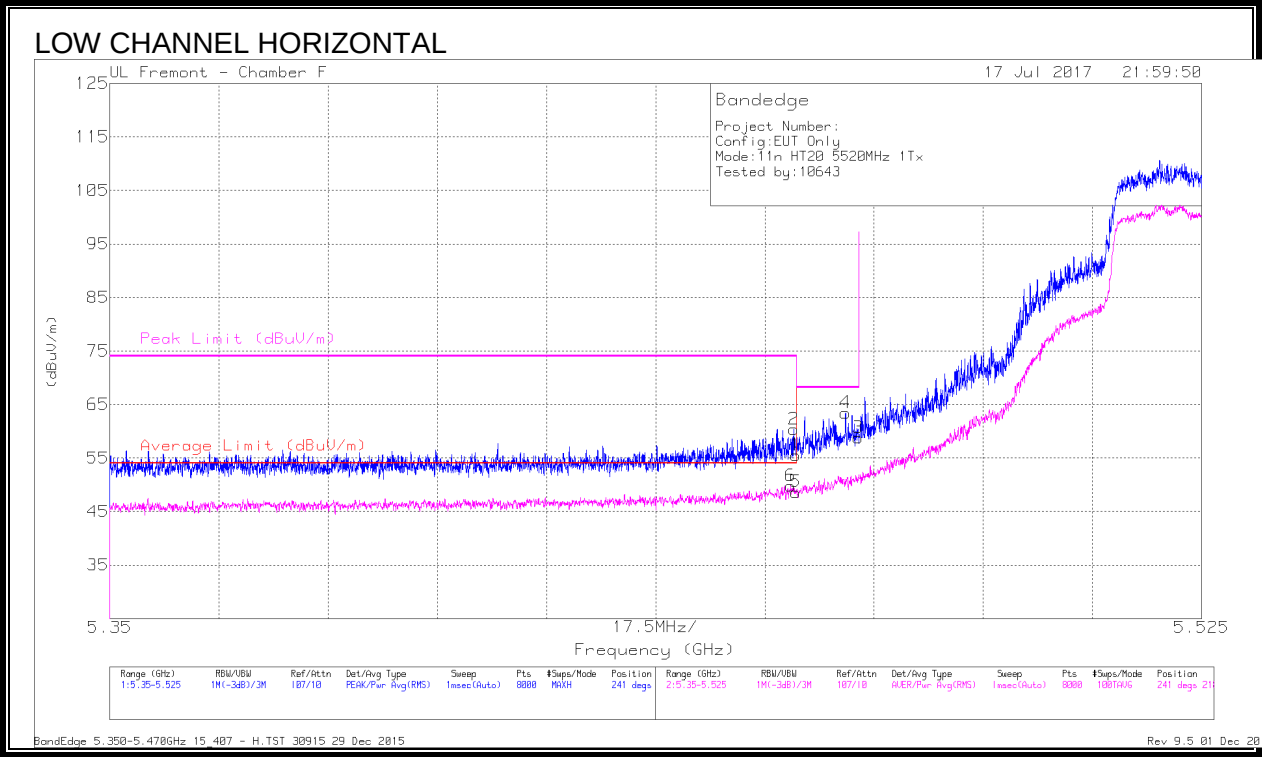
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

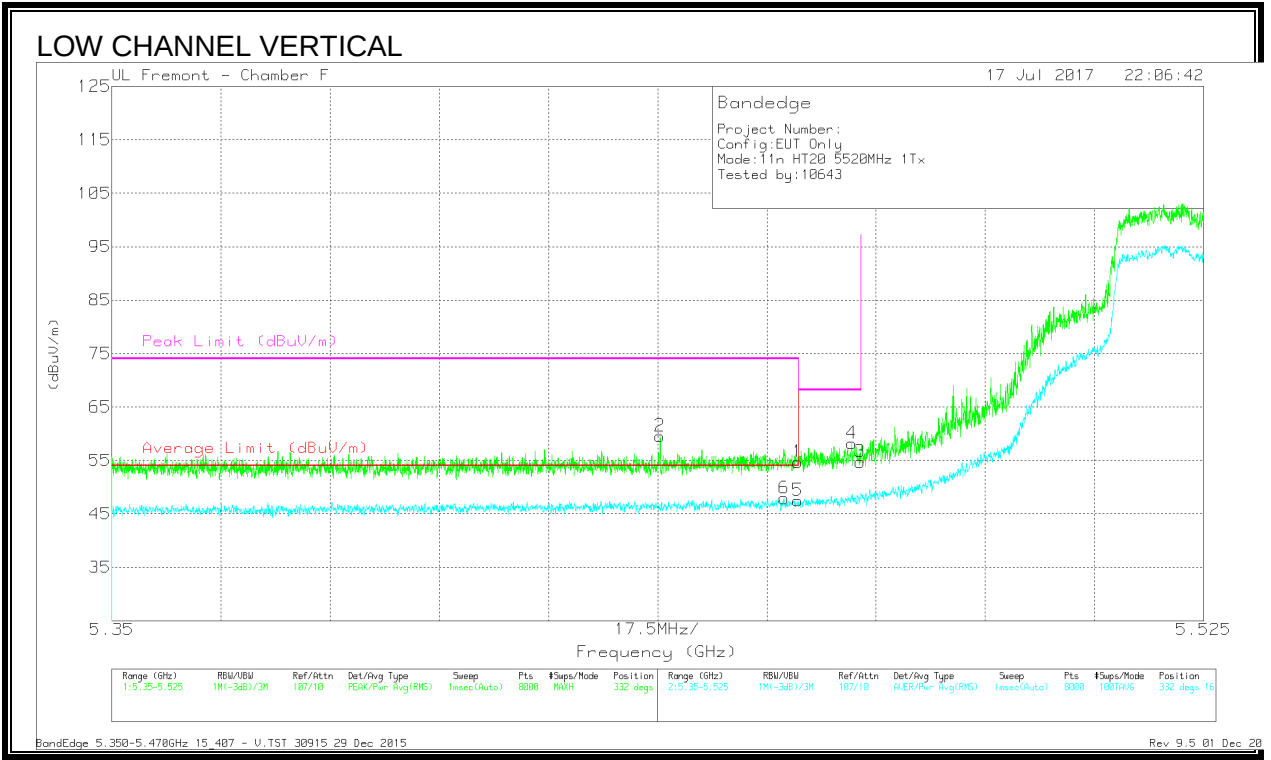
BandEdge 5.350-5.470GHz 15_407 - V.TST 30915 16 Jun 2015

Rev 9.5 01 Dec 2016



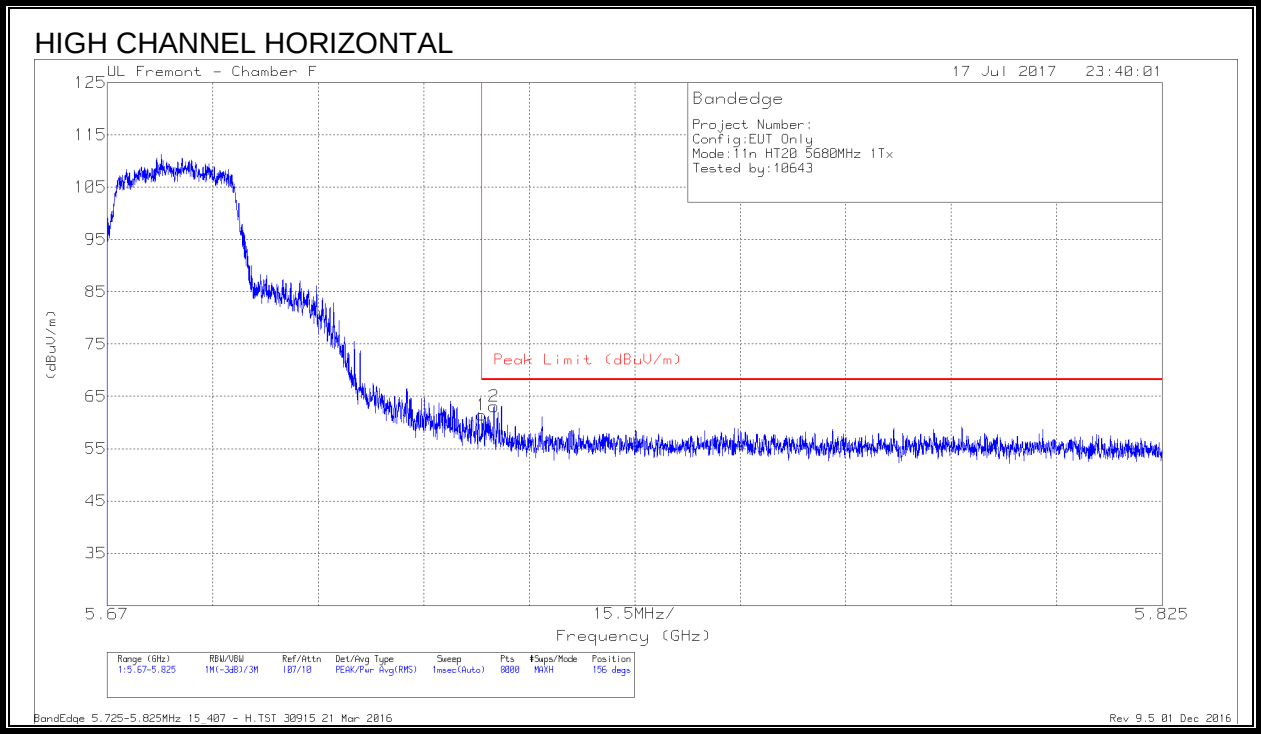
Marker	Frequen- cy (GHz)	Meter Readin- g (dBuV)	Det	AF T119 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	Correct ed Readin- g (dBuV/ m)	Averag e Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimet h (Degs)	Height (cm)	Polarity
1	* 5.46	39.45	Pk	34.8	-18.7	55.55	-	-	74	-18.45	241	218	H
2	* 5.46	44.26	Pk	34.8	-18.7	60.36	-	-	74	-13.64	241	218	H
3	5.47	42.69	Pk	34.8	-18.7	58.79	-	-	68.2	-9.41	241	218	H
4	5.468	47.44	Pk	34.8	-18.8	63.44	-	-	68.2	-4.76	241	218	H
5	* 5.46	32.53	RMS	34.8	-18.7	48.63	54	-5.37	-	-	241	218	H
6	* 5.459	33.67	RMS	34.8	-18.7	49.77	54	-4.23	-	-	241	218	H

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



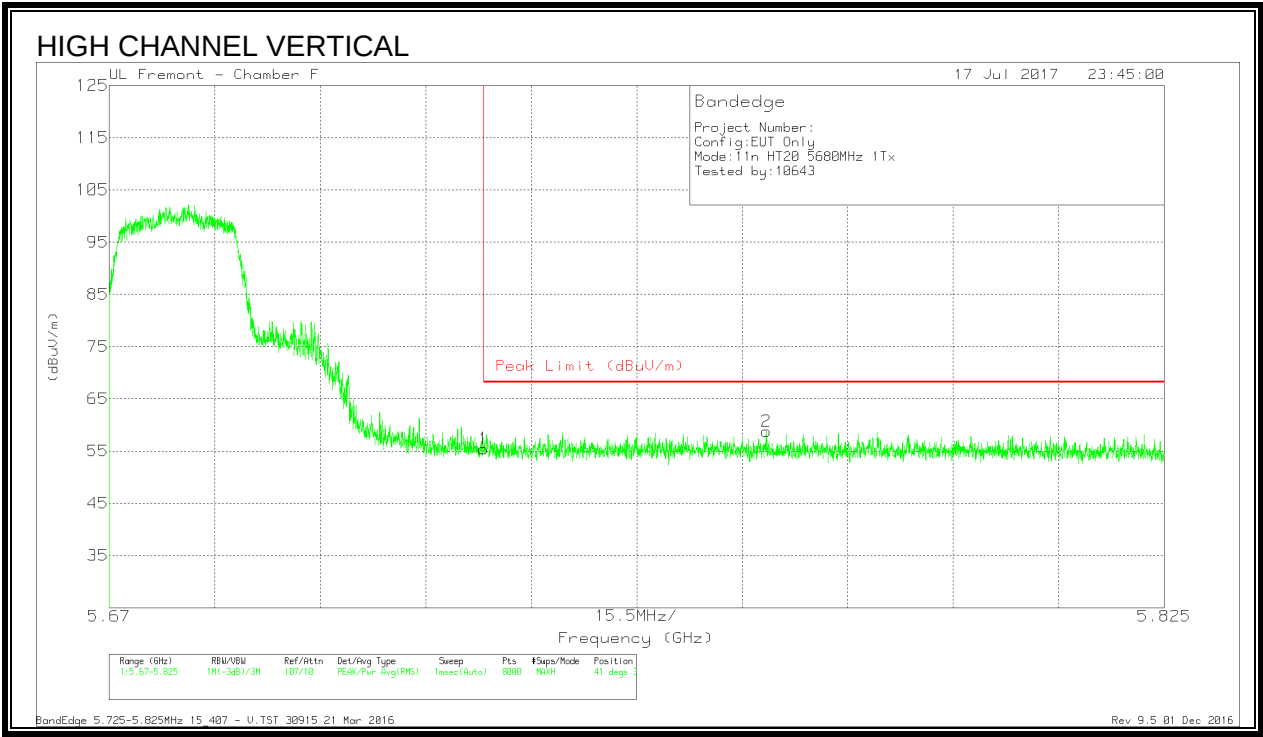
Marker	Frequen- cy (GHz)	Meter Readin g (dBuV)	Det	AF T119 (dB/m)	Amp/C b/Fltr/ Pad (dB)	Correct ed Readin g (dBuV/ m)	Averag e Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimet h (Degs)	Height (cm)	Polarity
1	* 5.46	38.62	Pk	34.8	-18.7	54.72	-	-	74	-19.28	332	167	V
2	* 5.438	43.44	Pk	34.8	-18.7	59.54	-	-	74	-14.46	332	167	V
3	5.47	38.64	Pk	34.8	-18.7	54.74	-	-	68.2	-13.46	332	167	V
4	5.469	42.11	Pk	34.8	-18.7	58.21	-	-	68.2	-9.99	332	167	V
5	* 5.46	31.38	RMS	34.8	-18.7	47.48	54	-6.52	-	-	332	167	V
6	* 5.458	31.82	RMS	34.8	-18.7	47.92	54	-6.08	-	-	332	167	V

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



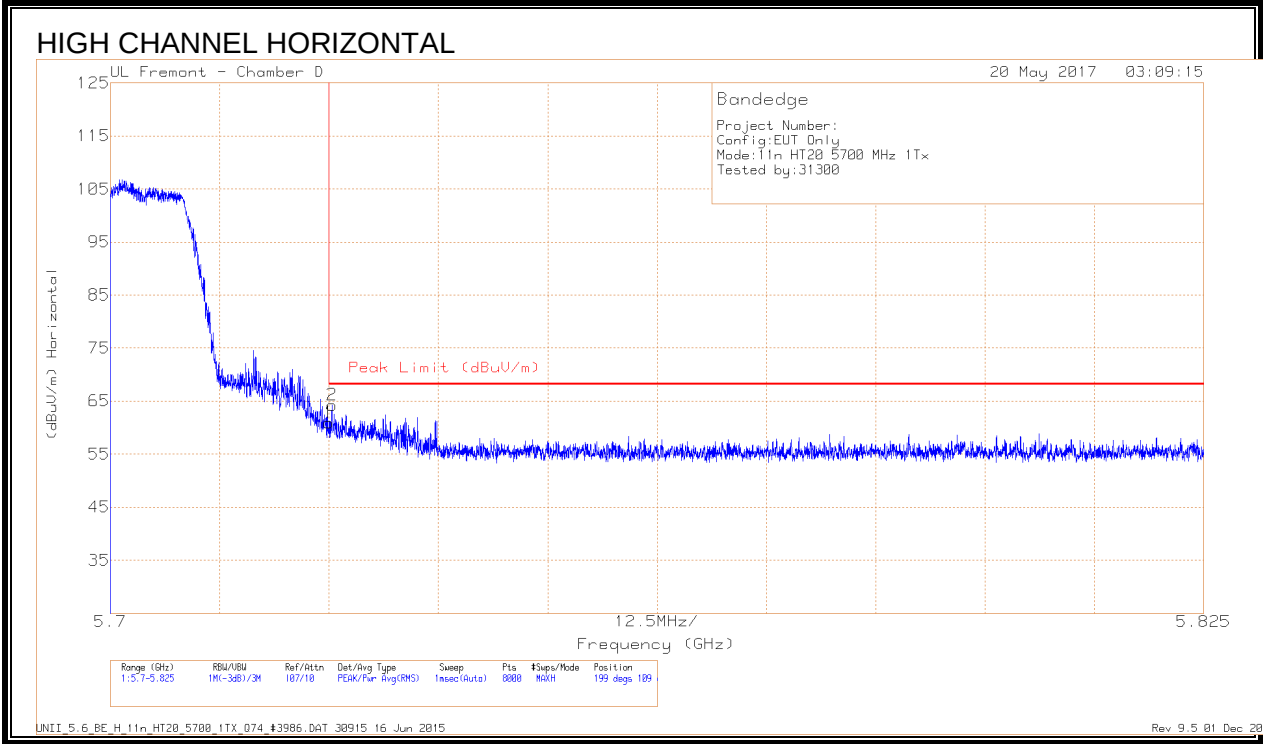
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AFT119 (dB/m)	Amp/Cbl /Fltr/Pad (dB)	Correcte d Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	44.44	Pk	35	-18	61.44	68.2	-6.76	156	118	H
2	5.727	46.09	Pk	35	-18	63.09	68.2	-5.11	156	118	H

Pk - Peak detector



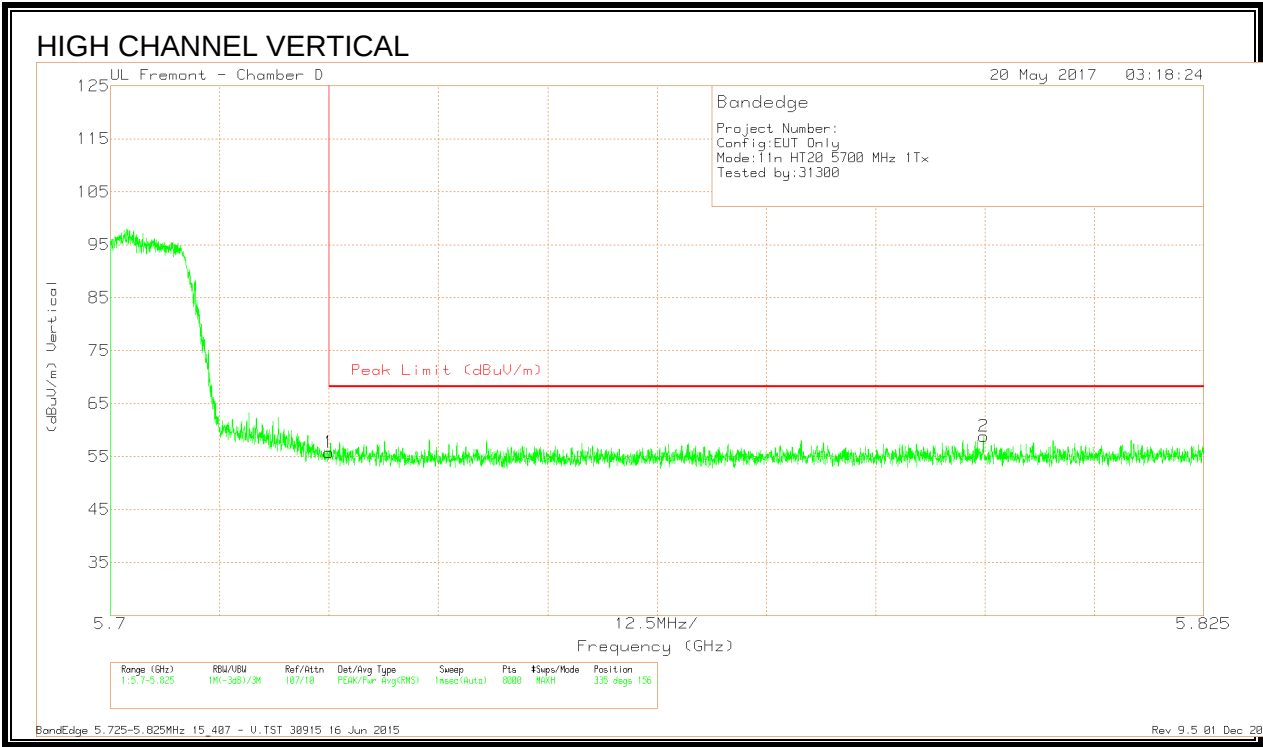
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	Correcte d Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	38.42	Pk	35	-18	55.42	68.2	-12.78	41	386	V
2	5.767	41.68	Pk	35.1	-18	58.78	68.2	-9.42	41	386	V

Pk - Peak detector



Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T120 (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	43.79	Pk	34.6	-17.5	60.89	68.2	-7.31	199	109	H
2	5.725	47.11	Pk	34.6	-17.5	64.21	68.2	-3.99	199	109	H

Pk - Peak detector
UNII_5.6_BE_H_11n_HT20_5700_1TX_Q74_#3986.DAT 30915 16 Jun 2015
Rev 9.5 01 Dec 2016



Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	38.65	Pk	34.6	-17.5	55.75	68.2	-12.45	335	156	V
2	5.8	41.67	Pk	34.9	-17.7	58.87	68.2	-9.33	335	156	V

Pk - Peak detector

BandEdge 5.725-5.825MHz 15_407 - V.TST 30915 16 Jun 2015
Rev 9.5 01 Dec 2016

HARMONICS AND SPURIOUS EMISSIONS

Noted: Covered by 802.11n HT20 2Tx (UAT 2 + LAT 3) CDD MODE IN THE 5.6 GHz BAND

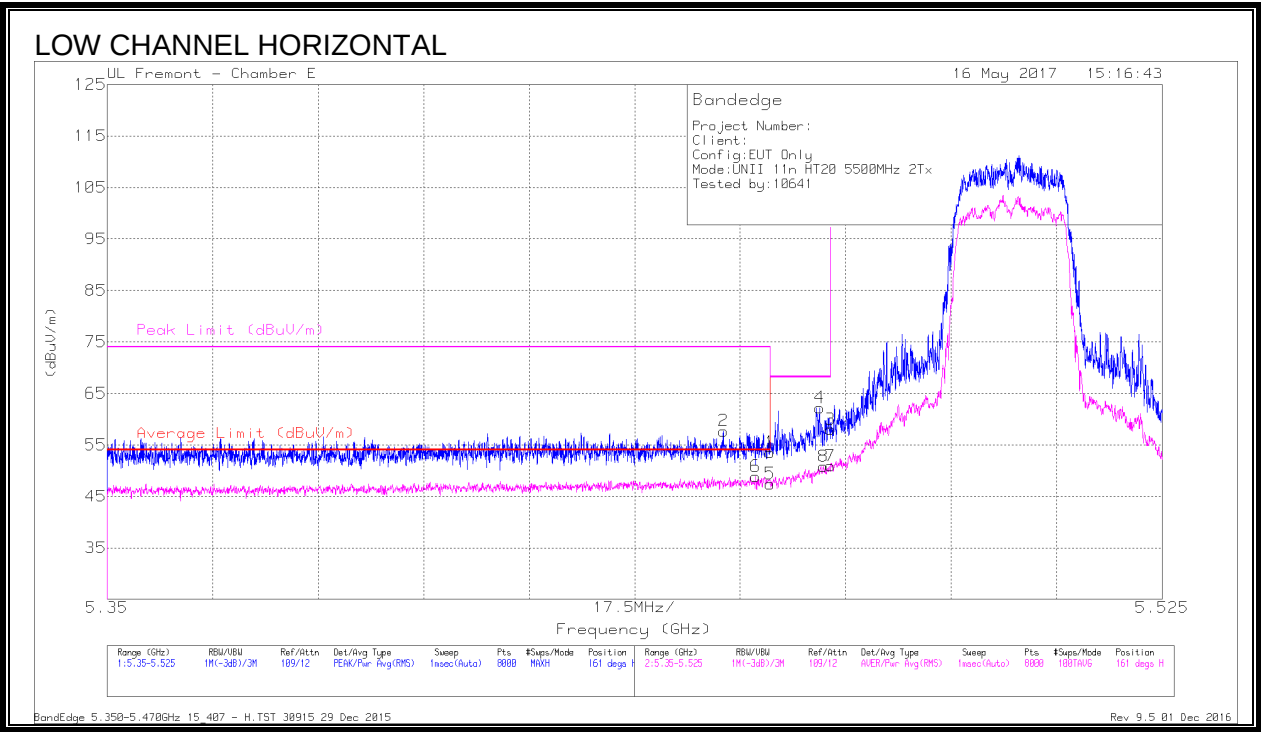
9.1.22. 11ac HT20 LAT 3 SISO STRADDLE CHANNEL 144

HARMONICS AND SPURIOUS EMISSIONS

Noted: Covered by 802.11n HT20 2Tx (UAT 2 + LAT 3) CDD MODE IN THE 5.6 GHz BAND

9.1.23. 11n HT20 2TX CDD MIMO MODE IN THE 5.6GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequ ncy (GHz)	Meter Readin g (dBuV)	Det	AF T136 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	Correct ed Readin g (dBuV/ m)	Averag e Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimet h (Degs)	Height (cm)	Polarit y
1	* 5.46	37.75	Pk	35.1	-19.3	53.55	-	-	74	-20.45	161	100	H
2	* 5.452	42.01	Pk	35.1	-19.4	57.71	-	-	74	-16.29	161	100	H
5	* 5.46	31.63	RMS	35.1	-19.3	47.43	54	-6.57	-	-	161	100	H
6	* 5.458	33.19	RMS	35.1	-19.4	48.89	54	-5.11	-	-	161	100	H
4	5.468	46.62	Pk	35.1	-19.5	62.22	-	-	68.2	-5.98	161	100	H
8	5.469	35.12	RMS	35.1	-19.4	50.82	-	-	-	-	161	100	H
3	5.47	42.33	Pk	35.1	-19.4	58.03	-	-	68.2	-10.17	161	100	H
7	5.47	35.24	RMS	35.1	-19.4	50.94	-	-	-	-	161	100	H

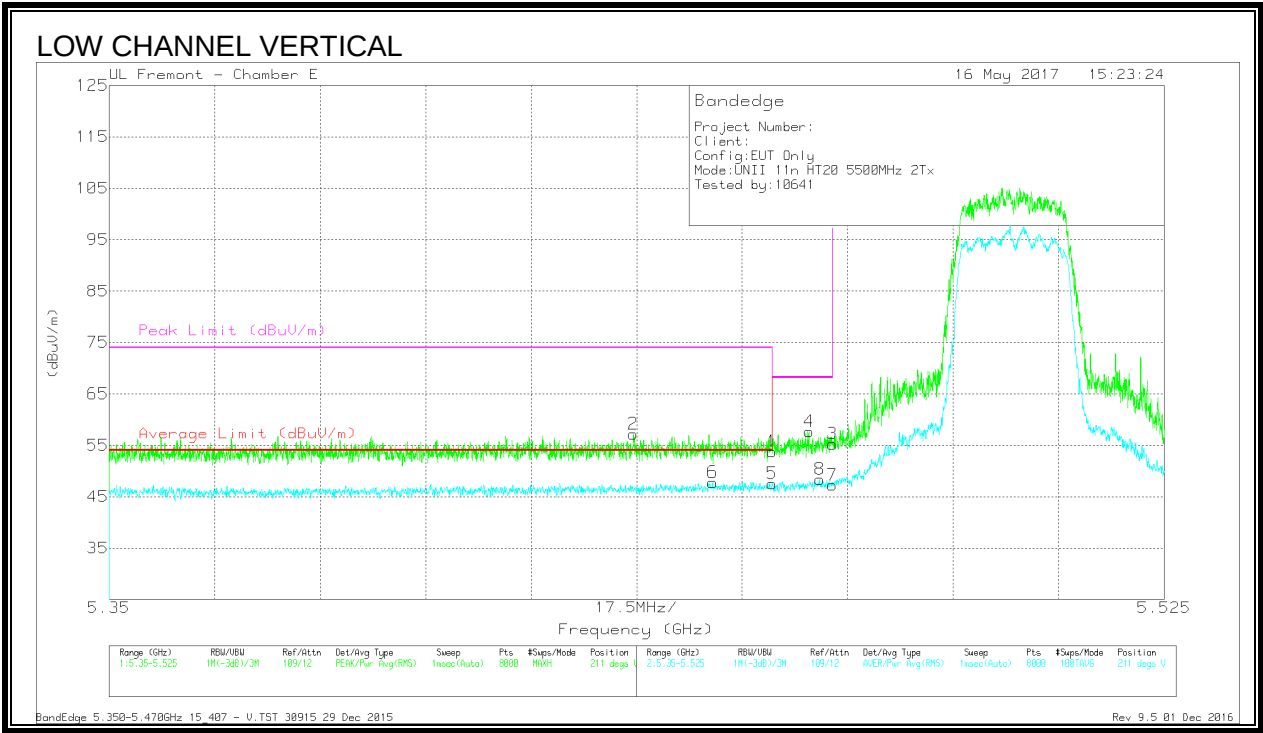
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

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

Rev 9.5 01 Dec 2016



Marker	Frequ ncy (GHz)	Meter Readin g (dBuV)	Det	AF T136 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	Correct ed Readin g (dBuV/ m)	Averag e Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimet h (Degs)	Height (cm)	Polarit y
1	* 5.46	37.98	Pk	35.1	-19.3	53.78	-	-	74	-20.22	211	111	V
2	* 5.437	41.5	Pk	35.1	-19.4	57.2	-	-	74	-16.8	211	111	V
5	* 5.46	31.76	RMS	35.1	-19.3	47.56	54	-6.44	-	-	211	111	V
6	* 5.45	32.01	RMS	35.1	-19.3	47.81	54	-6.19	-	-	211	111	V
4	5.466	41.97	Pk	35.1	-19.4	57.67	-	-	68.2	-10.53	211	111	V
8	5.468	32.8	RMS	35.1	-19.5	48.4	-	-	-	-	211	111	V
3	5.47	39.58	Pk	35.1	-19.4	55.28	-	-	68.2	-12.92	211	111	V
7	5.47	31.57	RMS	35.1	-19.4	47.27	-	-	-	-	211	111	V

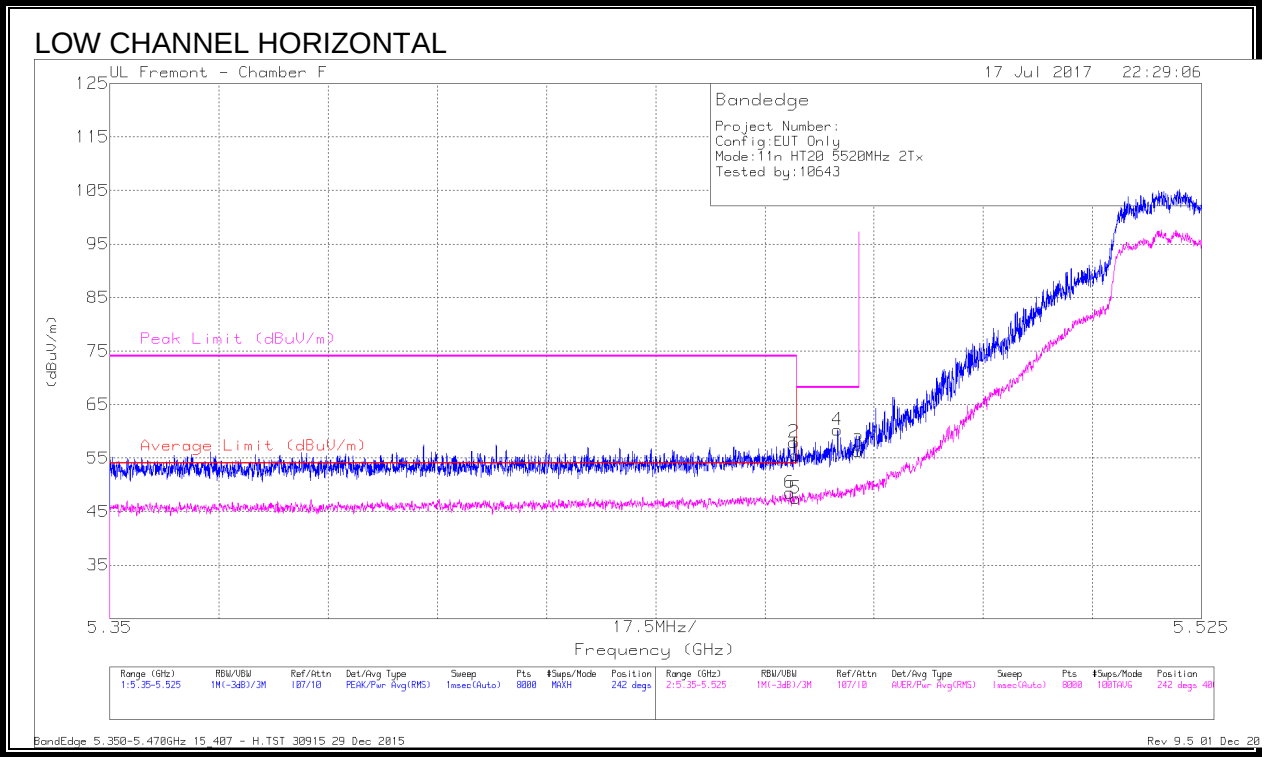
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

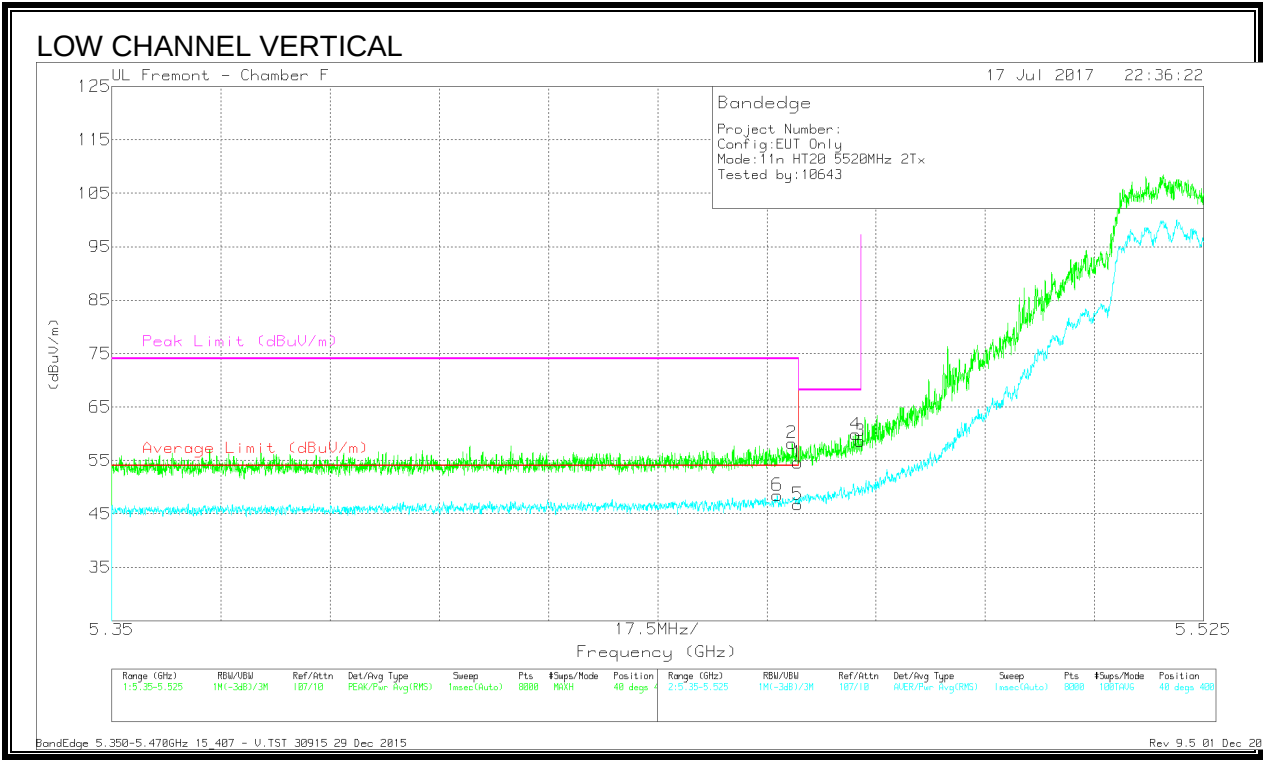
BandEdge 5.350-5.470GHz 15_407 - V.TST 30915 29 Dec 2015

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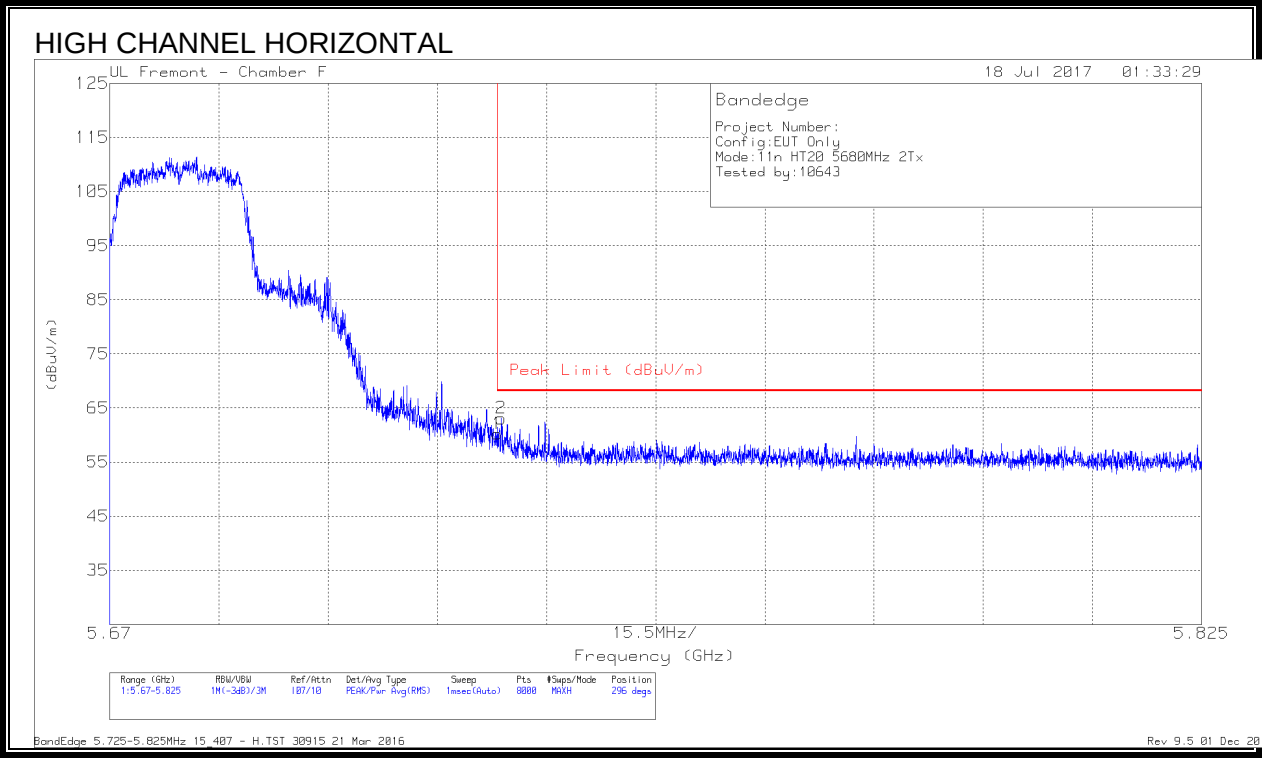
Marker	Frequen- cy (GHz)	Meter Readin- g (dBuV)	Det	AF T119 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	Correct ed Readin- g (dBuV/ m)	Averag e Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimet h (Degs)	Height (cm)	Polarity
1	* 5.46	39.43	Pk	34.8	-18.7	55.53	-	-	74	-18.47	242	400	H
2	* 5.46	41.86	Pk	34.8	-18.7	57.96	-	-	74	-16.04	242	400	H
3	5.47	40.16	Pk	34.8	-18.7	56.26	-	-	68.2	-11.94	242	400	H
4	5.467	44.18	Pk	34.8	-18.7	60.28	-	-	68.2	-7.92	242	400	H
5	* 5.46	31.39	RMS	34.8	-18.7	47.49	54	-6.51	-	-	242	400	H
6	* 5.459	32.44	RMS	34.8	-18.7	48.54	54	-5.46	-	-	242	400	H

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



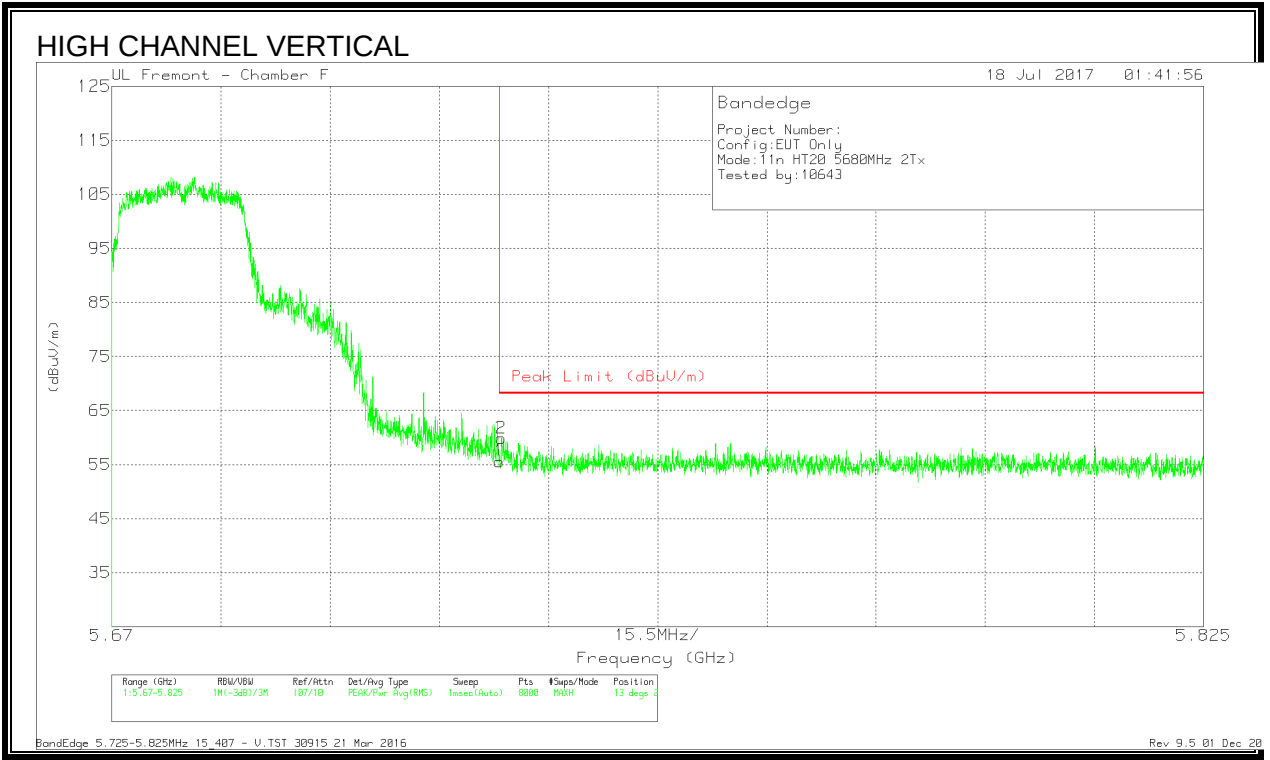
Marker	Frequen- cy (GHz)	Meter Readin g (dBuV)	Det	AF T119 (dB/m)	Amp/C b/Fltr/ Pad (dB)	Correct ed Readin g (dBuV/ m)	Averag e Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimet h (Degr)	Height (cm)	Polarity
1	* 5.46	38.51	Pk	34.8	-18.7	54.61	-	-	74	-19.39	40	400	V
2	* 5.459	42.14	Pk	34.8	-18.7	58.24	-	-	74	-15.76	40	400	V
3	5.47	42.52	Pk	34.8	-18.7	58.62	-	-	68.2	-9.58	40	400	V
4	5.469	43.77	Pk	34.8	-18.7	59.87	-	-	68.2	-8.33	40	400	V
5	* 5.46	30.65	RMS	34.8	-18.7	46.75	54	-7.25	-	-	40	400	V
6	* 5.457	32.38	RMS	34.8	-18.7	48.48	54	-5.52	-	-	40	400	V

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



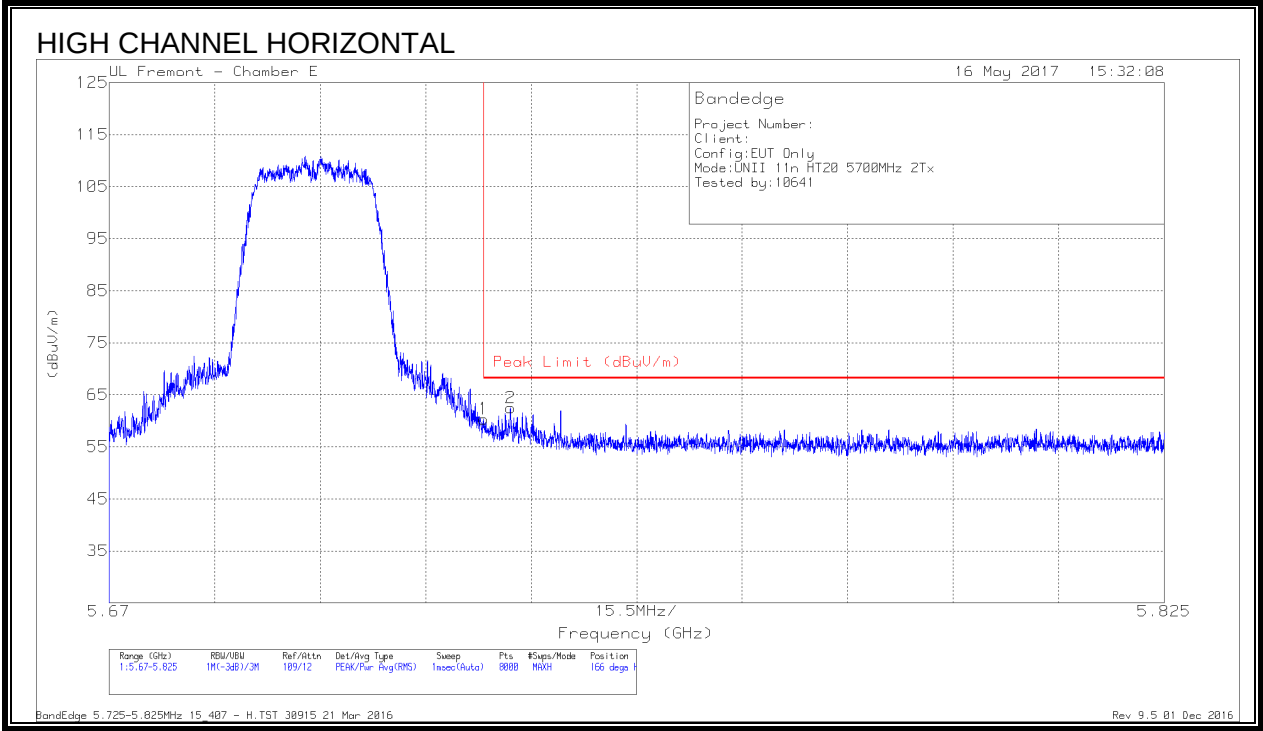
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	43.22	Pk	35	-18	60.22	68.2	-7.98	296	109	H
2	5.726	46.09	Pk	35	-18	63.09	68.2	-5.11	296	109	H

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



Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AFT119 (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	38.6	Pk	35	-18	55.6	68.2	-12.6	13	209	V
2	5.725	42.85	Pk	35	-18	59.85	68.2	-8.35	13	209	V

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



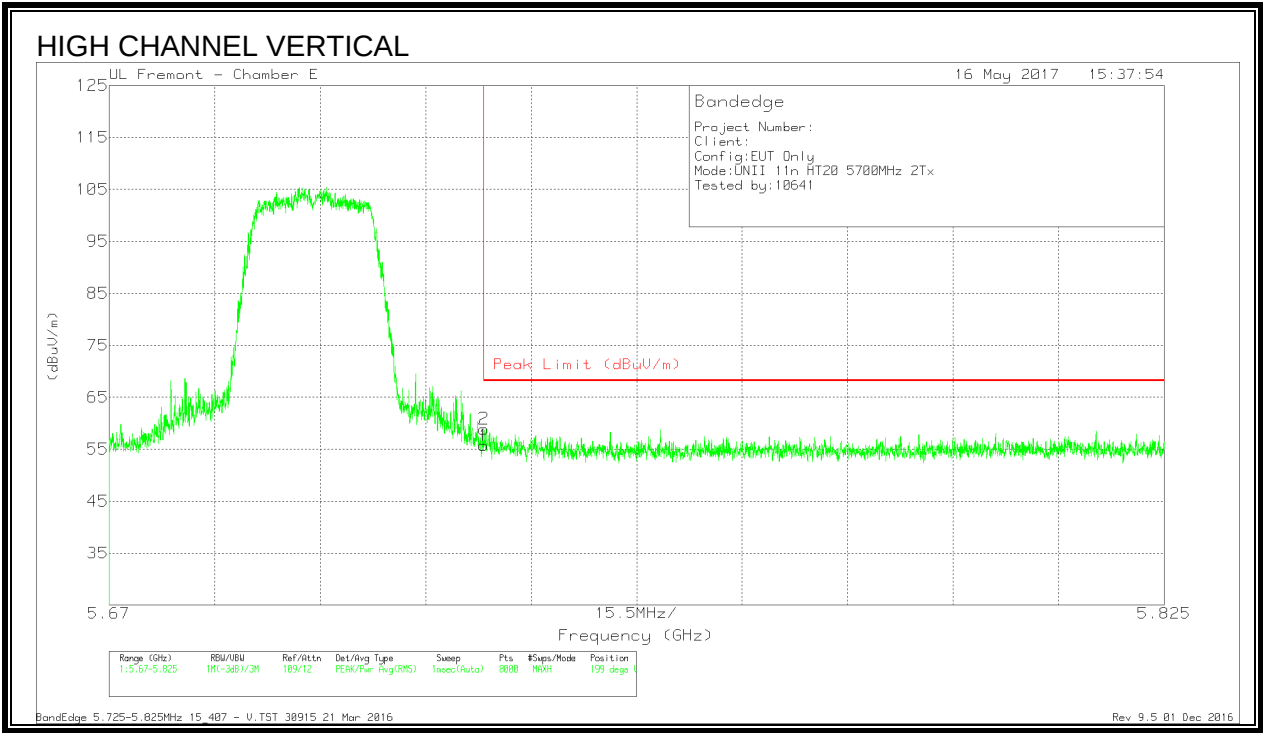
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	Correcte d Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	45.07	Pk	34.9	-19.6	60.37	68.2	-7.83	166	102	H
2	5.729	47.1	Pk	34.9	-19.5	62.5	68.2	-5.7	166	102	H

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

Pk - Peak detector

BandEdge 5.725-5.825MHz 15_407 - H.TST 30915 21 Mar 2016

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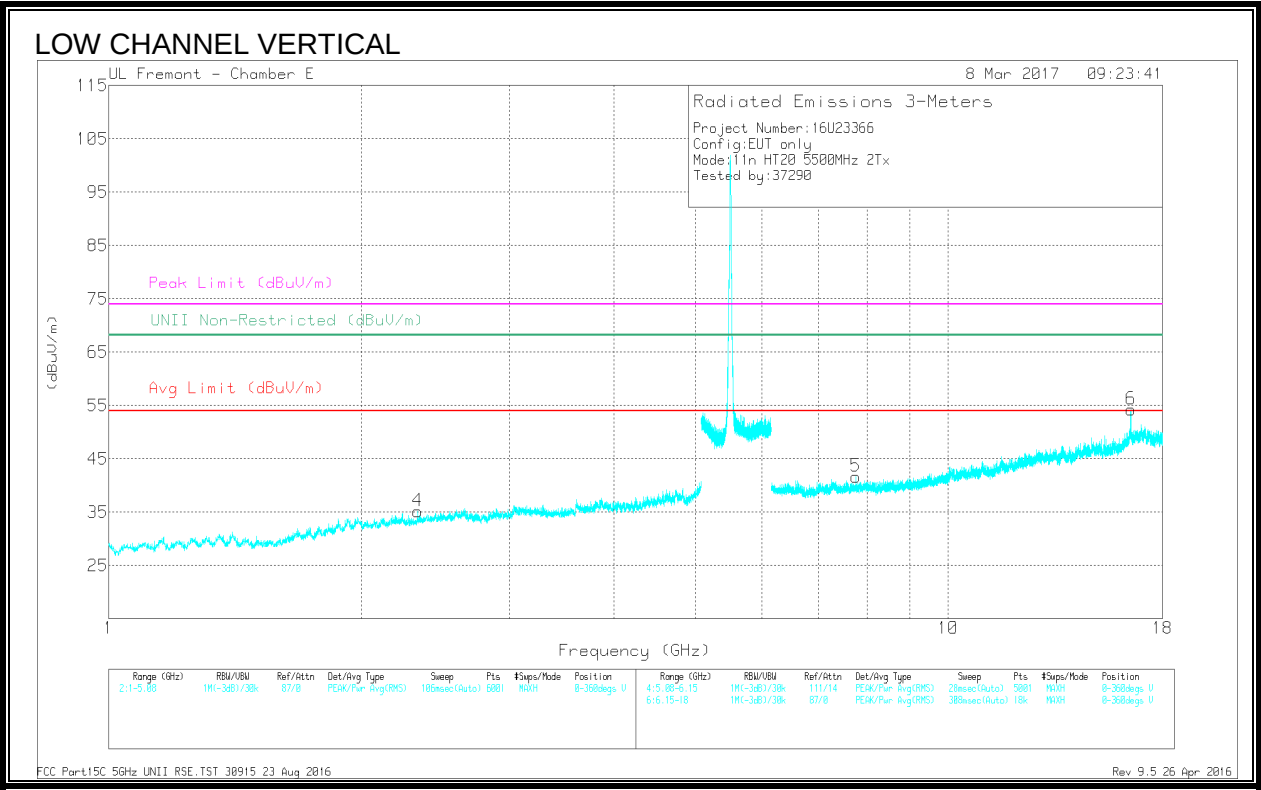
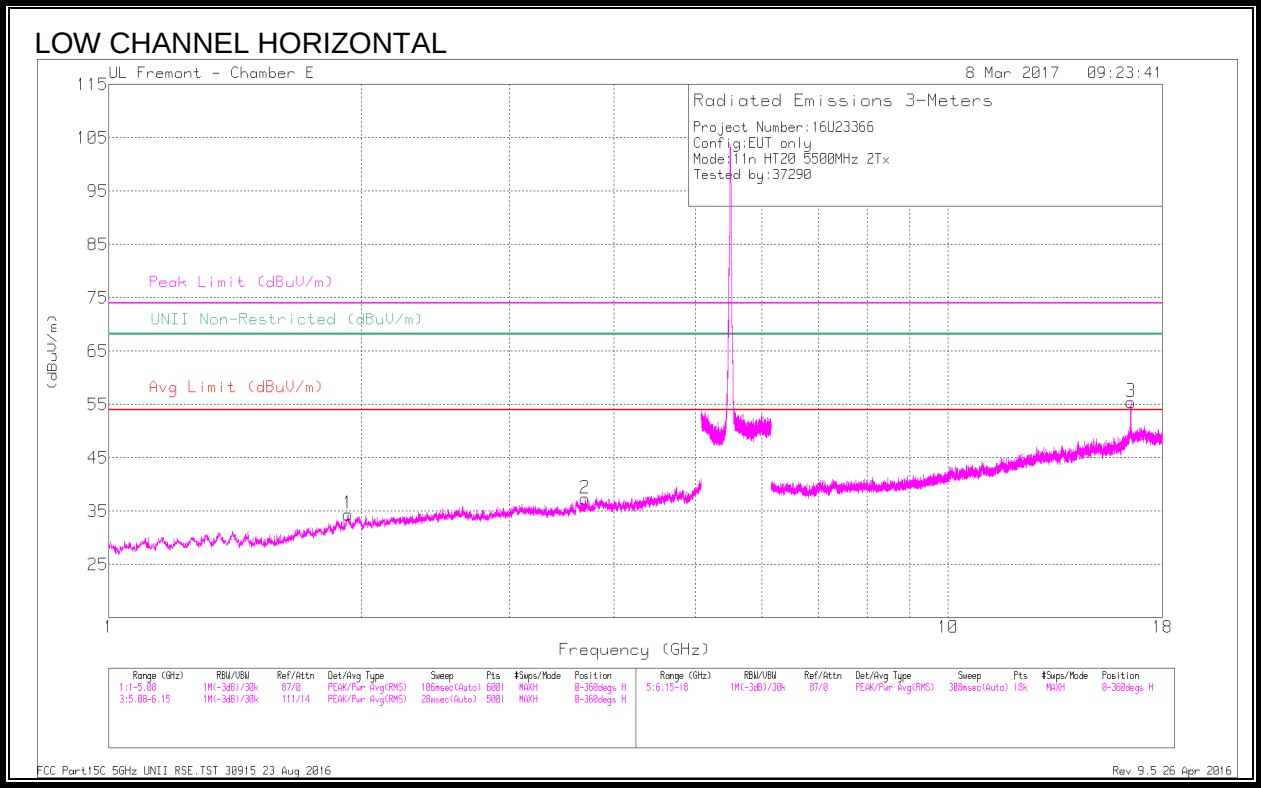
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	Correcte d Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	40.42	Pk	34.9	-19.6	55.72	68.2	-12.48	199	387	V
2	5.725	43.61	Pk	34.9	-19.6	58.91	68.2	-9.29	199	387	V

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

Pk - Peak detector

BandEdge 5.725-5.825MHz 15_407 - V.TST 30915 21 Mar 2016

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DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Ftr/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
2	* 3.692	40.7	PK-U	33.4	-30.8	43.3	-	-	74	-30.7	-	-	335	105	H
	* 3.693	29.6	ADR	33.4	-30.7	32.3	54	-21.7	-	-	-	-	335	105	H
4	* 2.333	42.64	PK-U	31.8	-32.8	41.64	-	-	74	-32.36	-	-	85	215	V
	* 2.334	30.94	ADR	31.8	-32.8	29.94	54	-24.06	-	-	-	-	85	215	V
1	1.929	43.93	PK-U	31	-32.8	42.13	-	-	-	-	68.2	-26.07	360	100	H
5	7.759	39.47	PK-U	36.1	-27.4	48.17	-	-	-	-	68.2	-20.03	85	200	V
3	16.503	36.53	PK-U	42	-21.4	57.13	-	-	-	-	68.2	-11.07	85	200	H
6	16.507	35.9	PK-U	42	-21.3	56.6	-	-	-	-	68.2	-11.6	85	200	V

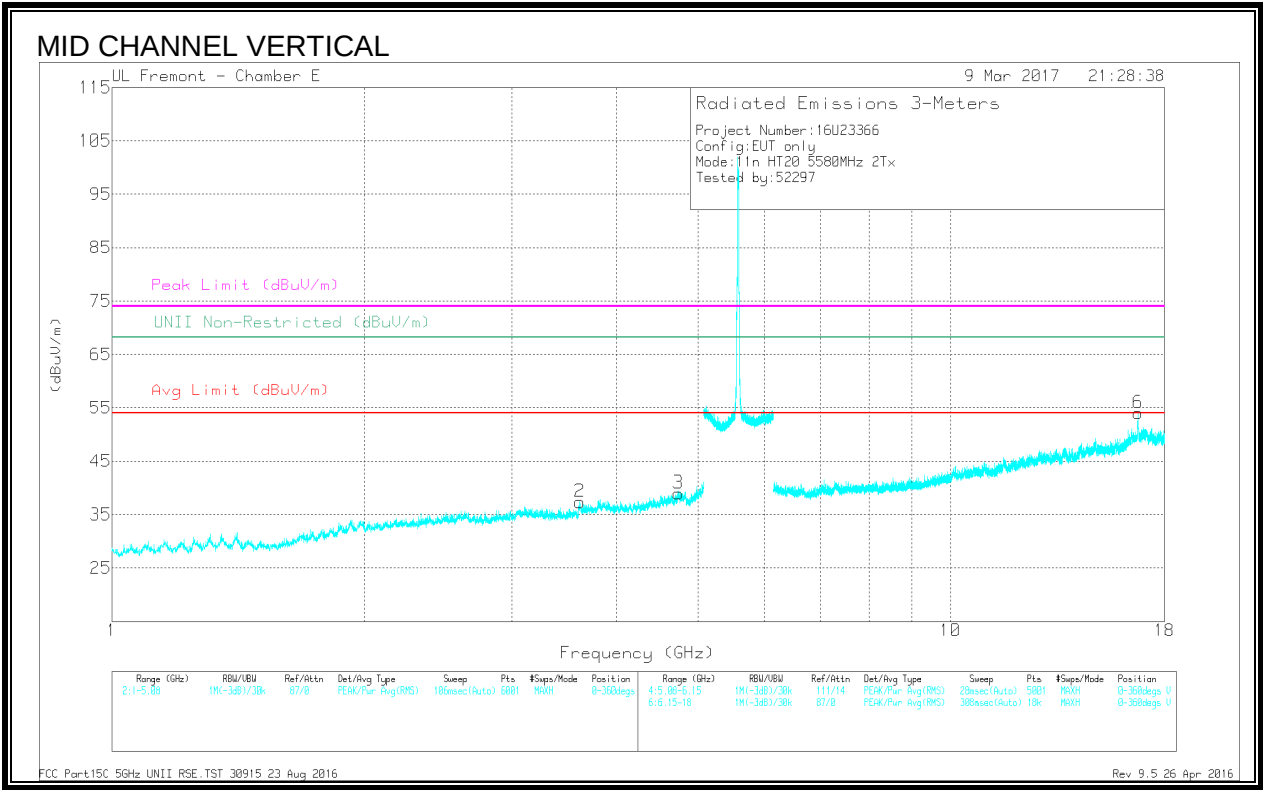
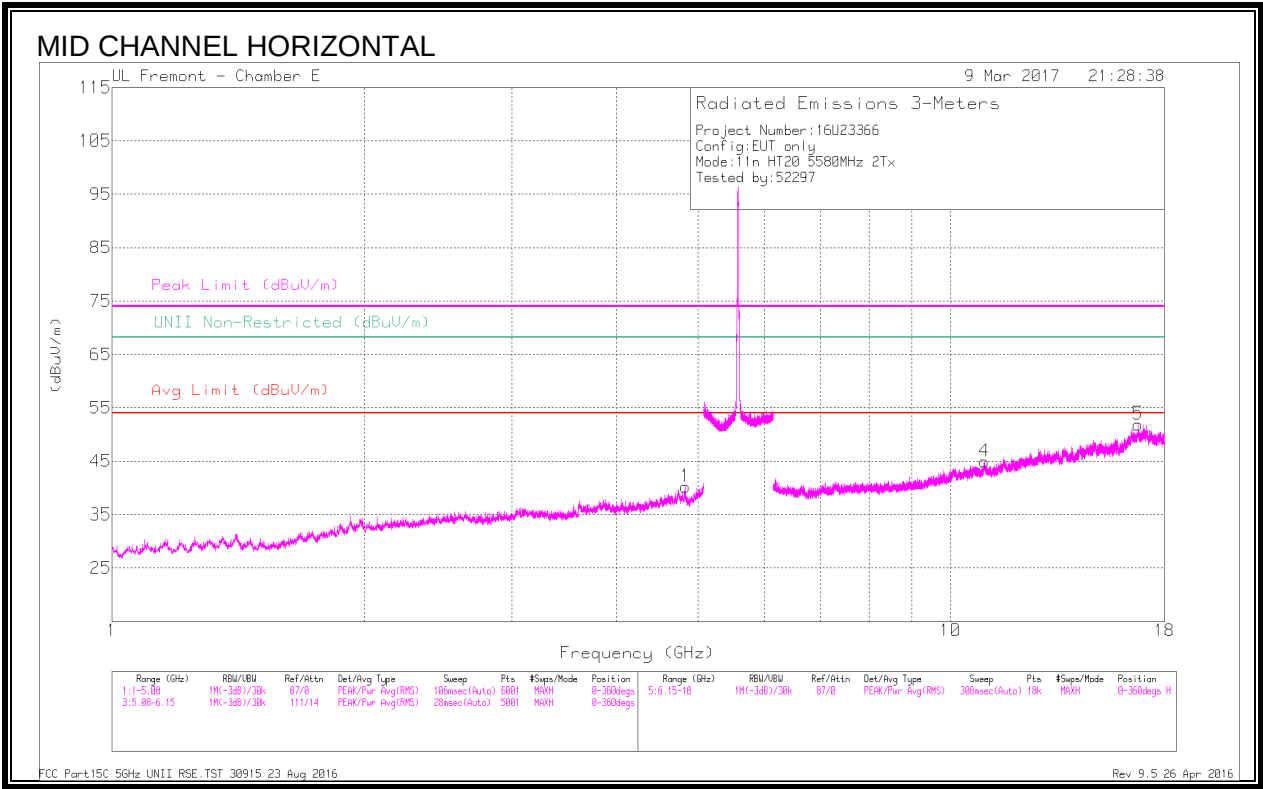
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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	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	* 4.832	30.3	ADR	34.2	-28.8	35.7	54	-18.3	-	-	-	-	200	160	H
	* 4.833	40.3	PK-U	34.2	-28.8	45.7	-	-	74	-28.3	-	-	200	160	H
2	* 3.613	30.63	ADR	33	-30.5	33.13	54	-20.87	-	-	-	-	180	201	V
	* 3.614	40.15	PK-U	33	-30.5	42.65	-	-	74	-31.35	-	-	180	201	V
3	* 4.735	40.86	PK-U	34.3	-29	46.16	-	-	74	-27.84	-	-	120	178	V
	* 4.737	30.17	ADR	34.3	-28.9	35.57	54	-18.43	-	-	-	-	120	178	V
4	* 10.984	24.91	ADR	37.6	-22.1	40.41	54	-13.59	-	-	-	-	86	262	H
	* 10.985	35.96	PK-U	37.6	-22.1	51.46	-	-	74	-22.54	-	-	86	262	H
5	16.743	41.72	PK-U	42.5	-22.6	61.62	-	-	-	-	68.2	-6.58	90	101	V
6	16.746	37.79	PK-U	42.5	-22.5	57.79	-	-	-	-	68.2	-10.41	289	225	H

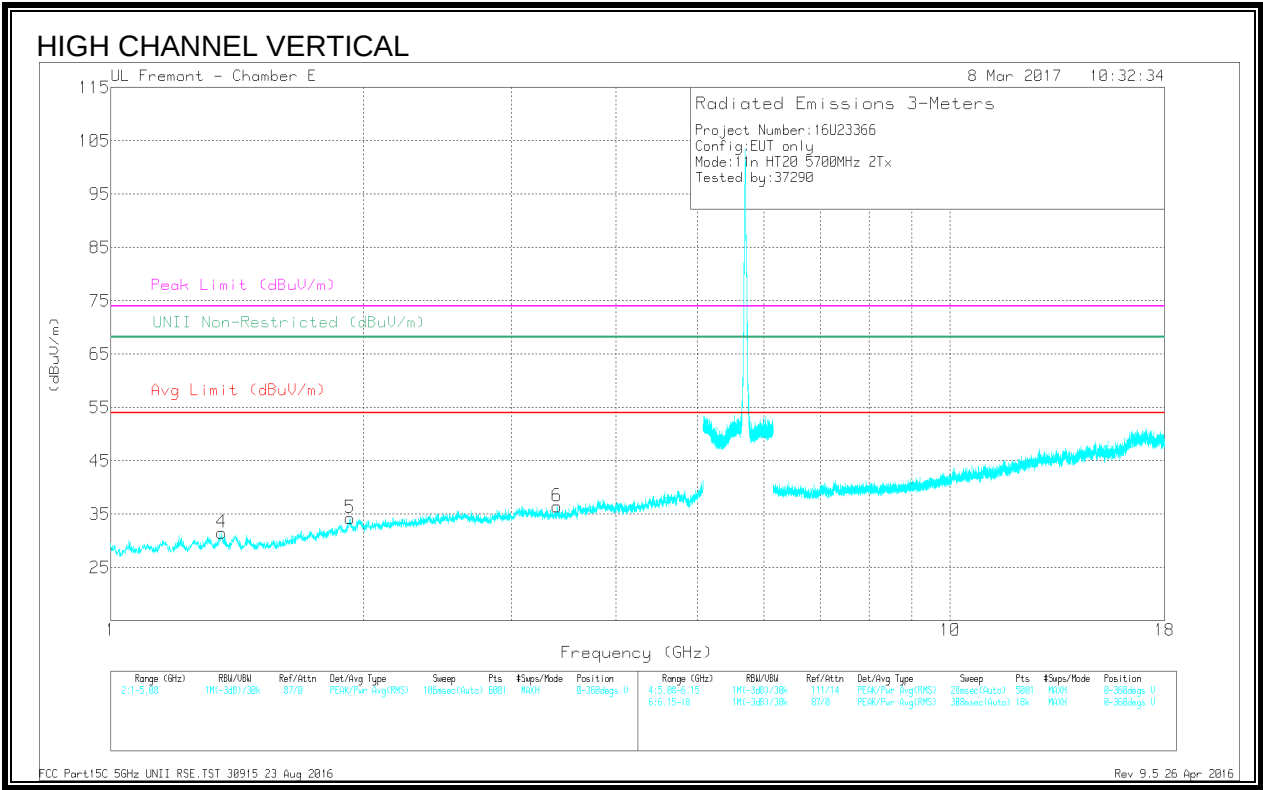
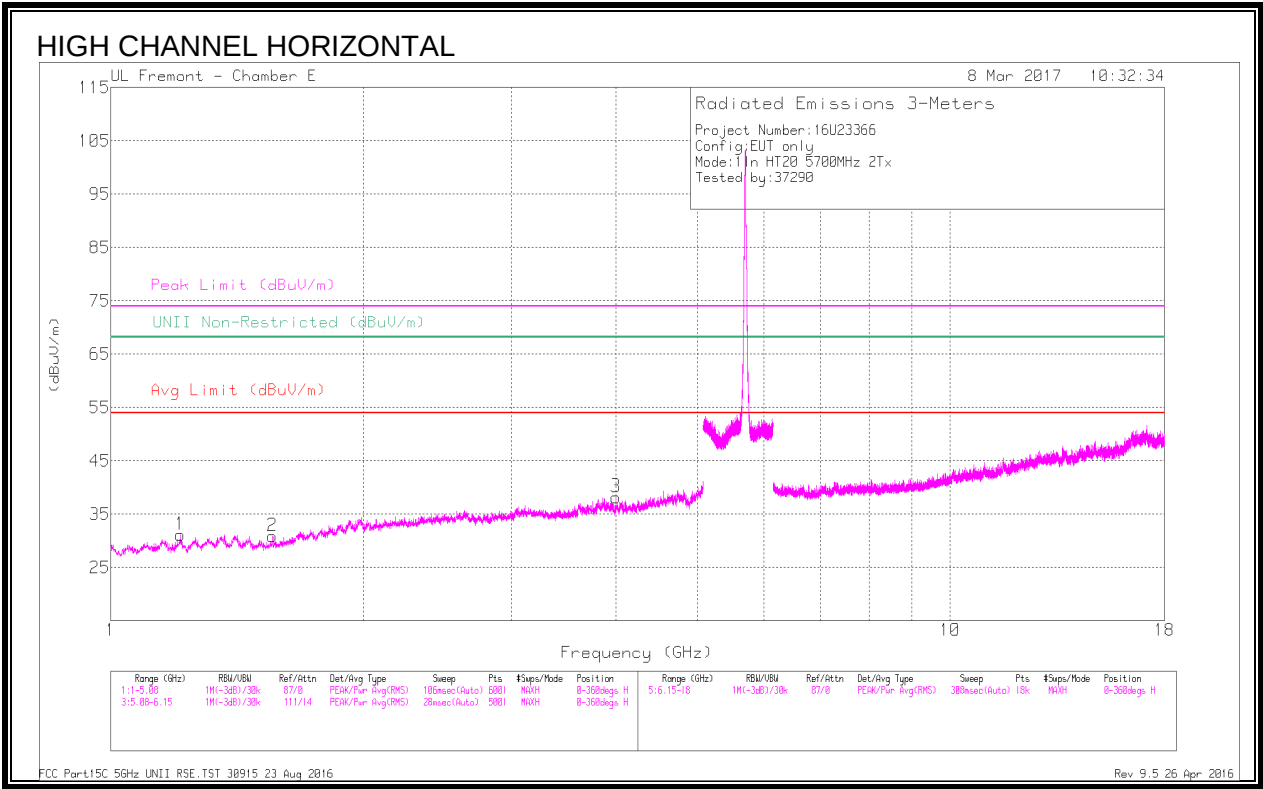
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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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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	* 1.213	44.77	PK-U	28.3	-35.5	37.57	-	-	74	-36.43	-	-	73	400	H
	* 1.21	33.45	ADR	28.2	-35.5	26.15	54	-27.85	-	-	-	-	73	400	H
2	* 1.559	44.31	PK-U	28.1	-34.9	37.51	-	-	74	-36.49	-	-	73	101	H
	* 1.559	33.21	ADR	28.1	-34.9	26.41	54	-27.59	-	-	-	-	73	101	H
3	* 3.998	40.22	PK-U	33.3	-29.9	43.62	-	-	74	-30.38	-	-	73	200	H
	* 3.998	30.03	ADR	33.3	-29.9	33.43	54	-20.57	-	-	-	-	73	200	H
4	* 1.356	44.46	PK-U	28.7	-34.7	38.46	-	-	74	-35.54	-	-	73	200	V
	* 1.356	33.69	ADR	28.7	-34.7	27.69	54	-26.31	-	-	-	-	73	200	V
5	1.929	43.2	PK-U	31	-32.8	41.4	-	-	-	-	68.2	-26.8	73	200	V
6	3.398	41.22	PK-U	32.8	-30.9	43.12	-	-	-	-	68.2	-25.08	73	200	V

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

PK-U - U-NII: Maximum Peak

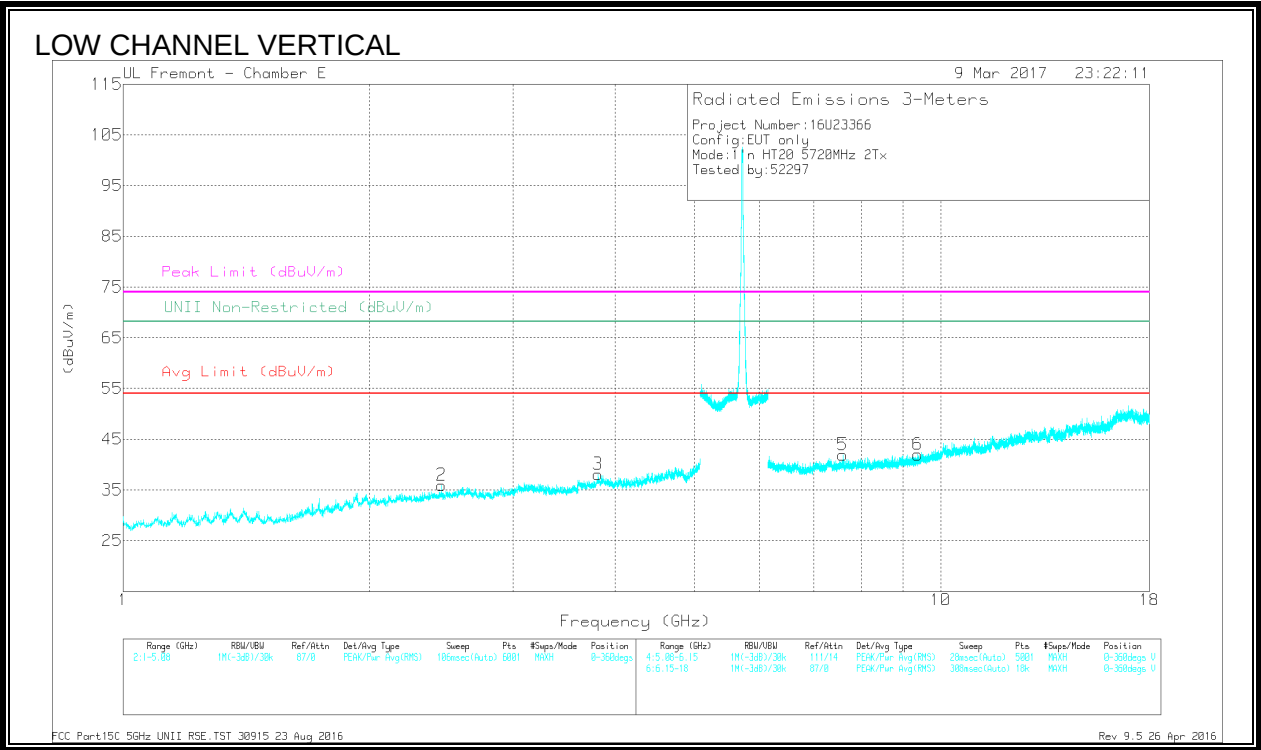
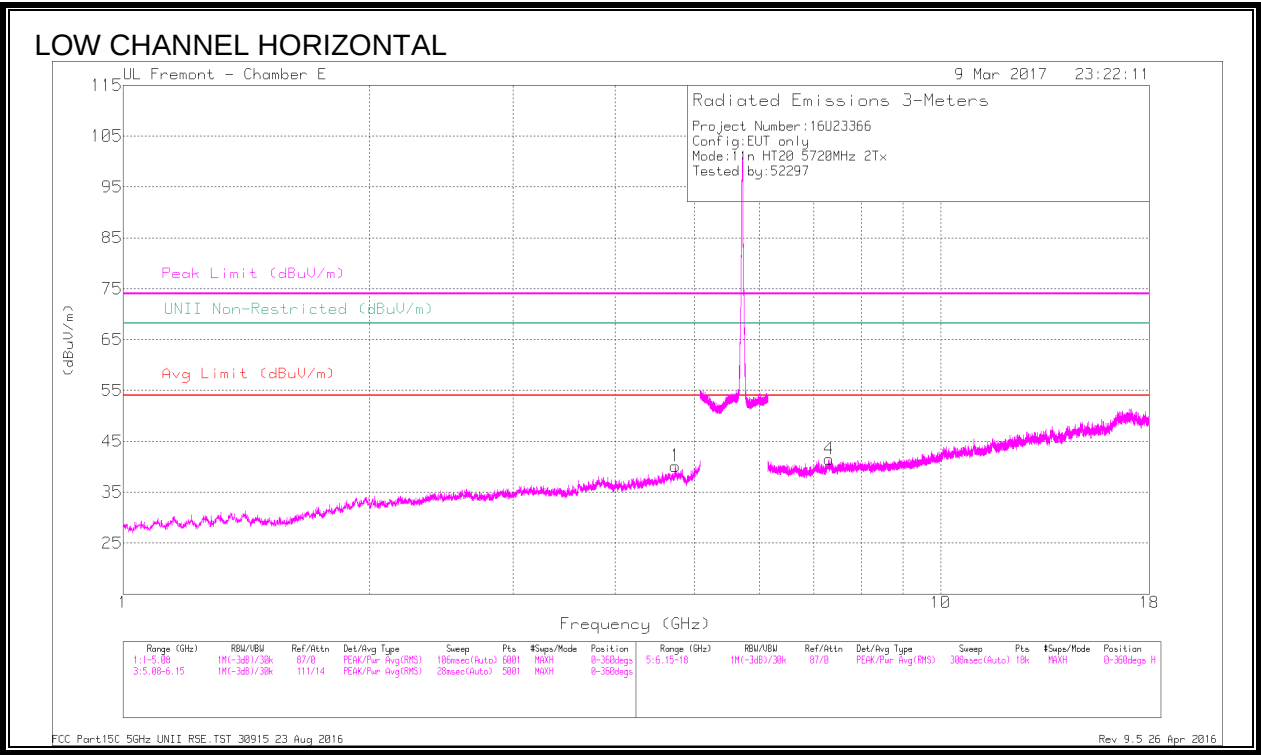
ADR - U-NII AD primary method, RMS average

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

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9.1.24. 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	* 4.738	41.45	PK-U	34.3	-28.9	46.85	-	-	74	-27.15	-	-	231	203	H
	* 4.739	29.68	ADR	34.3	-28.9	35.08	54	-18.92	-	-	-	-	231	203	H
3	* 3.809	40.47	PK-U	33.4	-29.6	44.27	-	-	74	-29.73	-	-	202	266	V
	* 3.808	29.85	ADR	33.4	-29.7	33.55	54	-20.45	-	-	-	-	202	266	V
4	* 7.297	37.91	PK-U	35.9	-26.2	47.61	-	-	74	-26.39	-	-	227	233	H
	* 7.297	27.43	ADR	35.9	-26.2	37.13	54	-16.87	-	-	-	-	227	233	H
5	* 7.593	37.63	PK-U	36.1	-26.3	47.43	-	-	74	-26.57	-	-	355	269	V
	* 7.593	26.62	ADR	36.1	-26.3	36.42	54	-17.58	-	-	-	-	355	269	V
6	* 9.369	37.32	PK-U	36.5	-26.1	47.72	-	-	74	-26.28	-	-	229	172	V
	* 9.369	26.74	ADR	36.5	-26.1	37.14	54	-16.86	-	-	-	-	229	172	V
3	2.451	42.49	PK-U	32.4	-32.5	42.39	-	-	-	-	68.2	-25.81	229	385	V

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

PK-U - U-NII: Maximum Peak

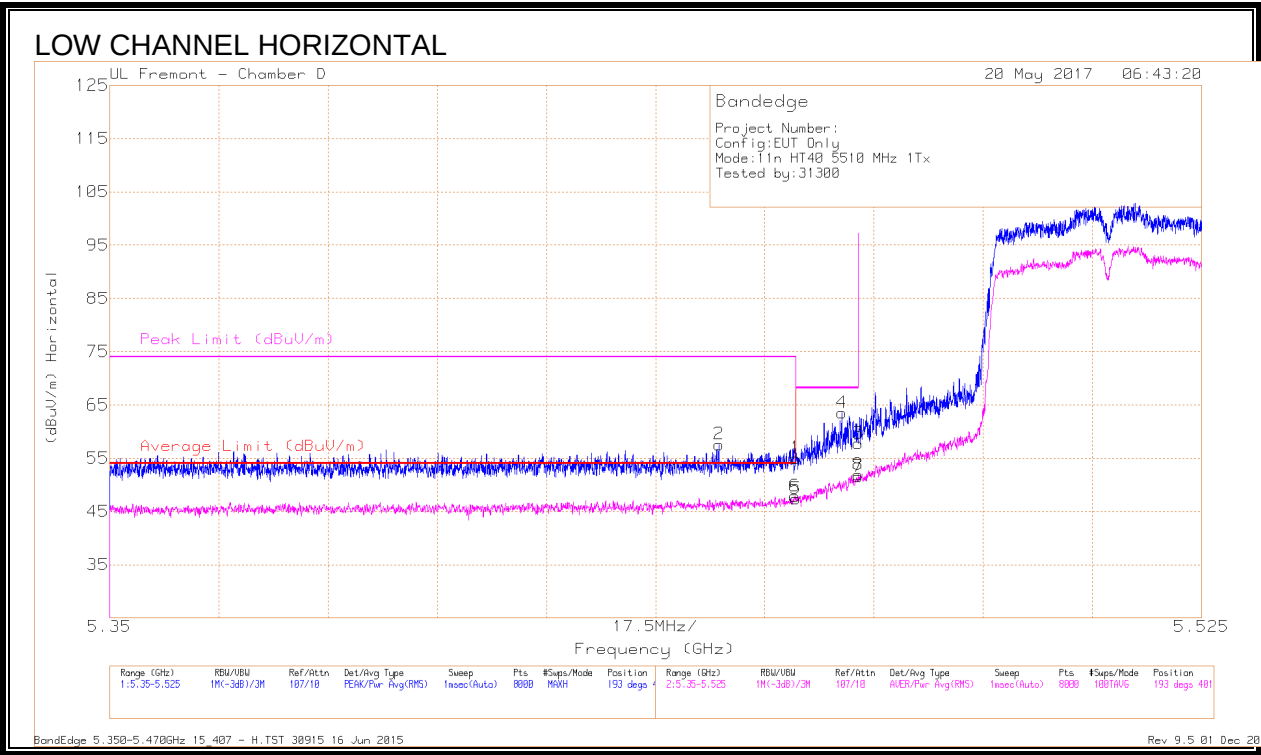
ADR - U-NII AD primary method, RMS average

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

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9.1.25. 11n HT40 UAT 2 SISO MODE IN THE 5.6GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequ ncy (GHz)	Meter Readin g (dBuV)	Det	AF T120 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	DC Factor	Correct ed Readin g (dBuV/ m)	Averag e Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimet h (Degs)	Height (cm)	Polarity
2	* 5.448	40.99	Pk	34.7	-18.1		57.59	-	-	74	-16.41	193	401	H
1	* 5.46	38.2	Pk	34.7	-17.9		55	-	-	74	-19	193	401	H
5	* 5.46	30.56	RMS	34.7	-17.9	0.09	47.45	54	-6.55	-	-	193	401	H
6	* 5.46	31.07	RMS	34.7	-17.9	0.09	47.96	54	-6.04	-	-	193	401	H
4	5.467	46.7	Pk	34.7	-17.9		63.5	-	-	68.2	-4.7	193	401	H
3	5.47	40.96	Pk	34.7	-17.9		57.76	-	-	68.2	-10.44	193	401	H
7	5.47	34.72	RMS	34.7	-17.9		51.52		-2.39	-	-	193	401	H
8	5.47	35.11	RMS	34.7	-17.9		51.91		-	-	-	193	401	H

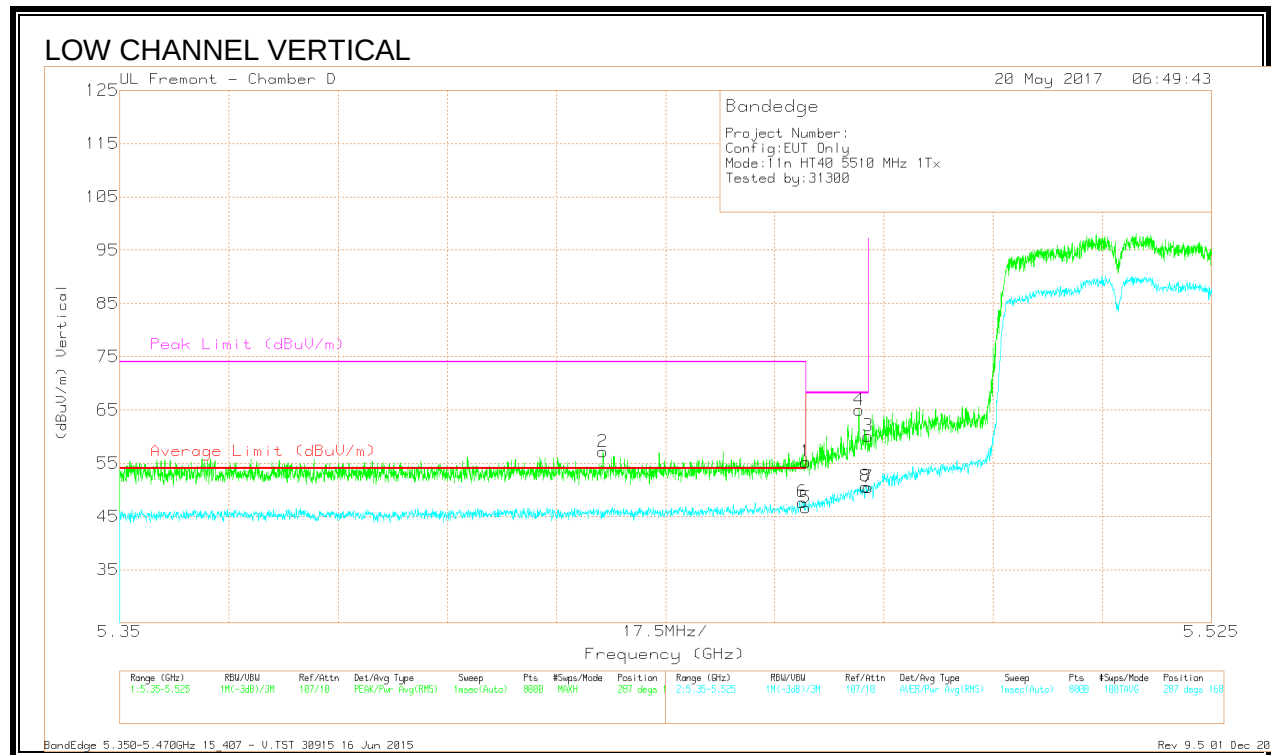
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

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

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Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Factor	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.427	40.67	Pk	34.7	-18.2		57.17	-	-	74	-16.83	287	168	V
6	* 5.459	31	RMS	34.7	-18	0.09	47.79	54	-6.21	-	-	287	168	V
1	* 5.46	38.47	Pk	34.7	-17.9		55.27	-	-	74	-18.73	287	168	V
5	* 5.46	29.83	RMS	34.7	-17.9	0.09	46.72	54	-7.28	-	-	287	168	V
4	5.468	48.18	Pk	34.7	-17.9		64.98	-	-	68.2	-3.22	287	168	V
3	5.47	43.33	Pk	34.7	-17.9		60.13	-	-	68.2	-8.07	287	168	V
7	5.47	33.7	RMS	34.7	-17.9		50.5	-	-	-	-	287	168	V
8	5.47	33.83	RMS	34.7	-17.9		50.63	-	-	-	-	287	168	V

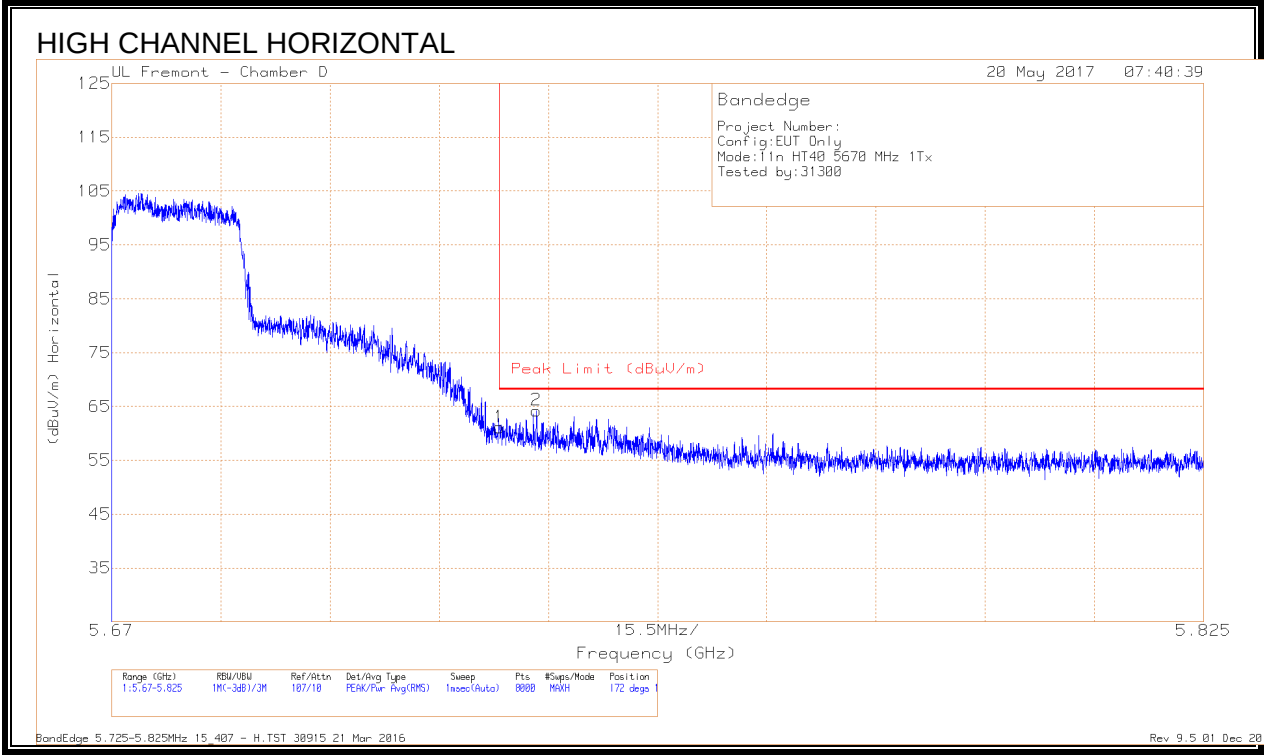
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

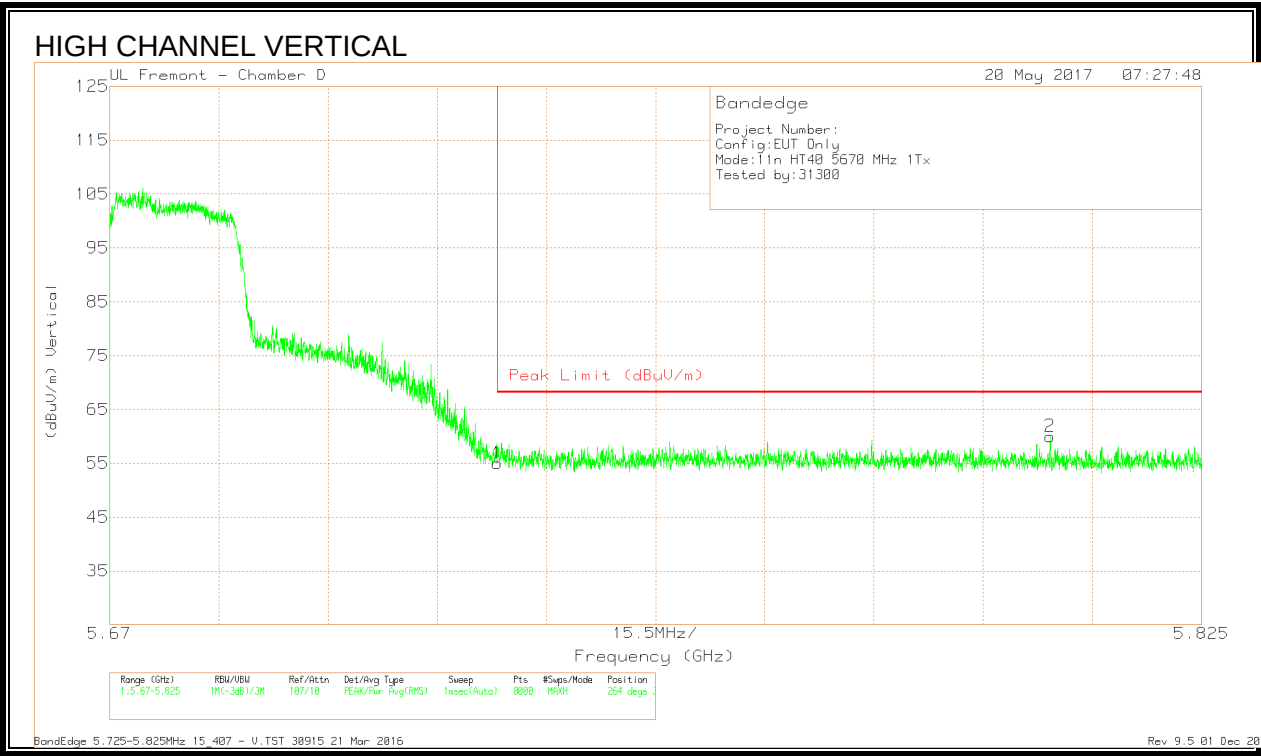
BandEdge 5.350-5.470GHz 15_407 - V.TST 30915 16 Jun 2015

Rev 9.5 01 Dec 2016



Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	44.02	Pk	34.6	-17.5	61.12	68.2	-7.08	172	147	H
2	5.73	47.15	Pk	34.6	-17.5	64.25	68.2	-3.95	172	147	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 T120 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	37.89	Pk	34.6	-17.5	54.99	68.2	-13.21	264	390	V
2	5.803	42.88	Pk	34.9	-17.8	59.98	68.2	-8.22	264	390	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

Noted: Covered by 802.11n HT40 2Tx (UAT 2 + LAT 3) CDD MODE IN THE 5.6 GHz BAND

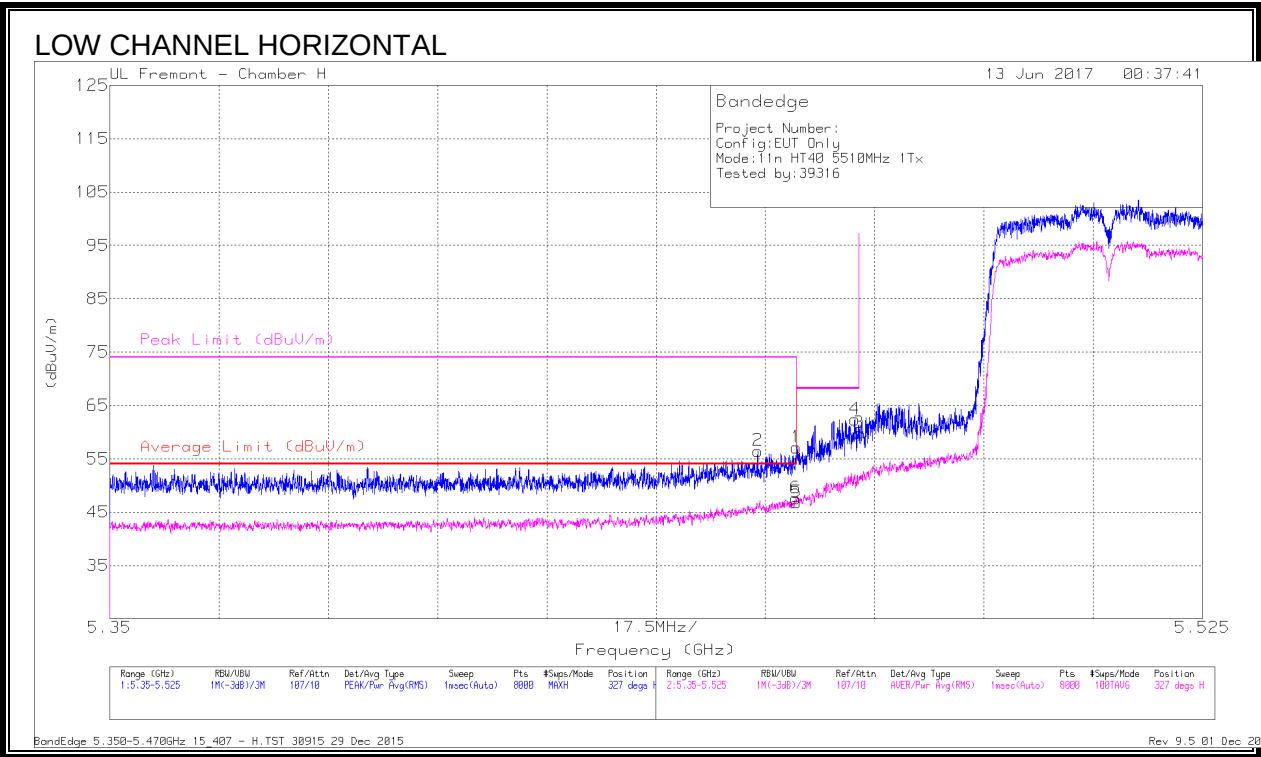
9.1.26. 11n HT40 UAT 2 SISO STRADDLE CHANNEL 142

HARMONICS AND SPURIOUS EMISSIONS

Noted: Covered by 802.11n HT40 2Tx (UAT 2 + LAT 3) CDD MODE IN THE 5.6 GHz BAND

9.1.27. 11n HT40 LAT 3 SISO MODE IN THE 5.6GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequen cy (GHz)	Meter Readin g (dBuV)	Det	AF T344 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	DC Factor	Correct ed Readin g (dBuV/ m)	Averag e Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimet h (Degs)	Height (cm)	Polarity
2	* 5.454	45.6	Pk	34.7	-23.8		56.5	-	-	74	-17.5	327	139	H
1	* 5.46	46.22	Pk	34.7	-23.8		57.12	-	-	74	-16.88	327	139	H
5	* 5.46	35.92	RMS	34.7	-23.8	0.09	46.91	54	-7.09	-	-	327	139	H
6	* 5.46	36.69	RMS	34.7	-23.8	0.09	47.68	54	-6.32	-	-	327	139	H
4	5.469	51.47	Pk	34.7	-23.8		62.37	-	-	68.2	-5.83	327	139	H
3	5.47	48.93	Pk	34.7	-23.8		59.83	-	-	68.2	-8.37	327	139	H

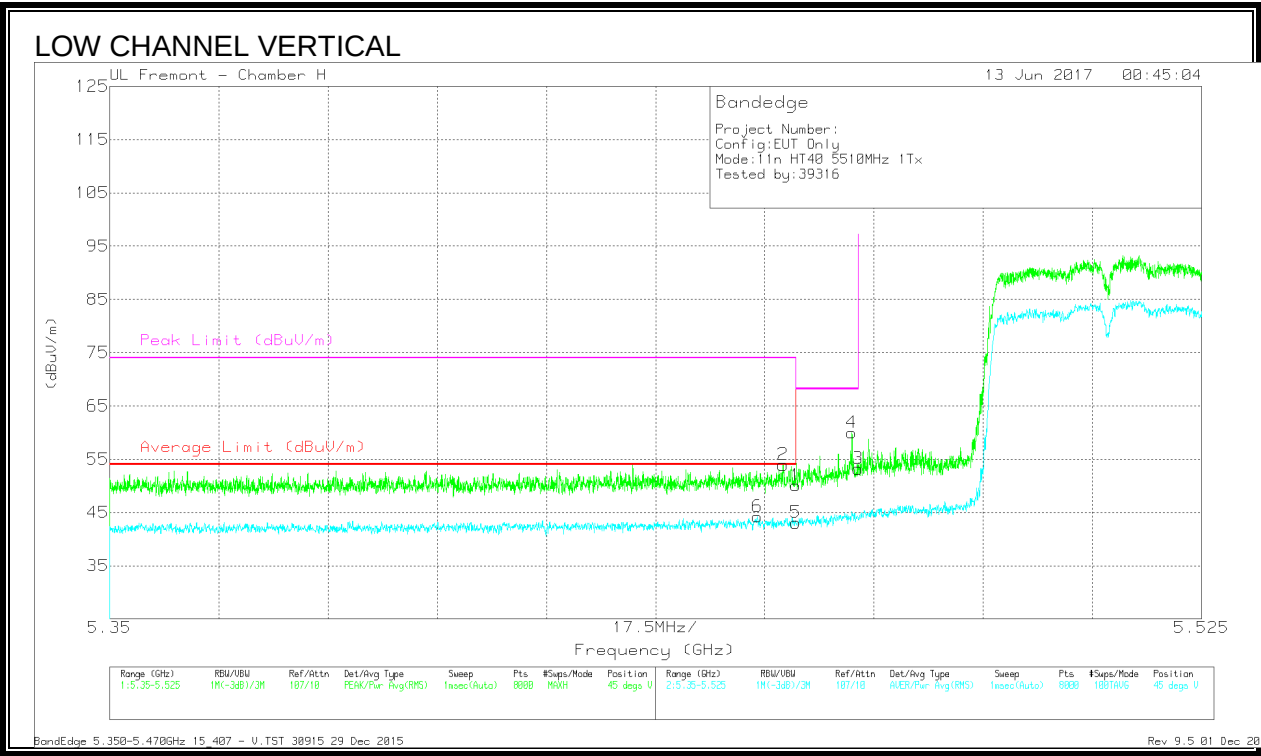
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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	Frequen- cy (GHz)	Meter Readin g (dBuV)	Det	AF T344 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	DC Factor	Correct ed Readin g (dBuV/ m)	Averag e Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6	* 5.454	33.29	RMS	34.7	-23.8	0.09	44.28	54	-9.72	-	-	45	132	V
2	* 5.458	43.04	Pk	34.7	-23.8		53.94	-	-	74	-20.06	45	132	V
1	* 5.46	39.15	Pk	34.7	-23.8		50.05	-	-	74	-23.95	45	132	V
5	* 5.46	32.18	RMS	34.7	-23.8	0.09	43.17	54	-10.83	-	-	45	132	V
4	5.469	49.09	Pk	34.7	-23.8		59.99	-	-	68.2	-8.21	45	132	V
3	5.47	42.31	Pk	34.7	-23.8		53.21	-	-	68.2	-14.99	45	132	V

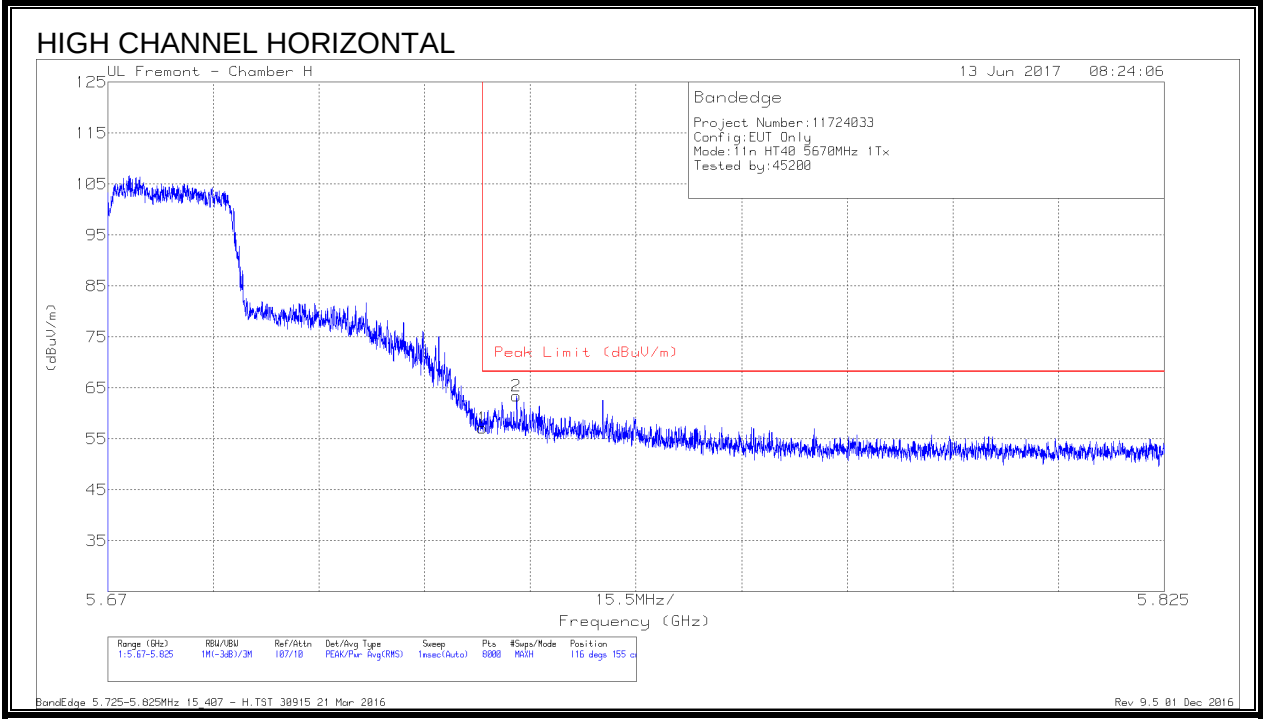
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

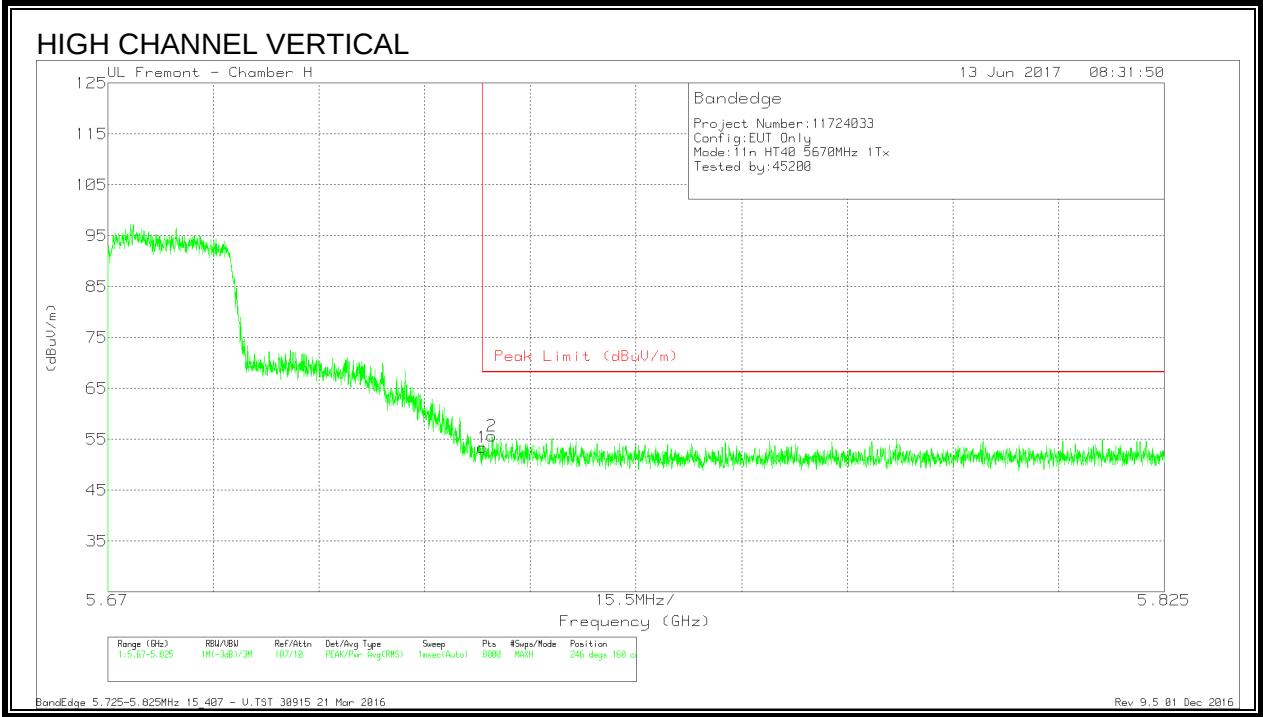
BandEdge 5.350-5.470GHz 15_407 - V.TST 30915 16 Jun 2015

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	45.53	Pk	35.1	-23.5	57.13	68.2	-11.07	116	155	H
2	5.73	51.82	Pk	35.1	-23.5	63.42	68.2	-4.78	116	155	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 /Filtr/Pad (dB)	Correcte d Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	41.81	Pk	35.1	-23.5	53.41	68.2	-14.79	246	160	V
2	5.726	43.99	Pk	35.1	-23.5	55.59	68.2	-12.61	246	160	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

Noted: Covered by 802.11n HT40 2Tx (UAT 2 + LAT 3) CDD MODE IN THE 5.6 GHz BAND

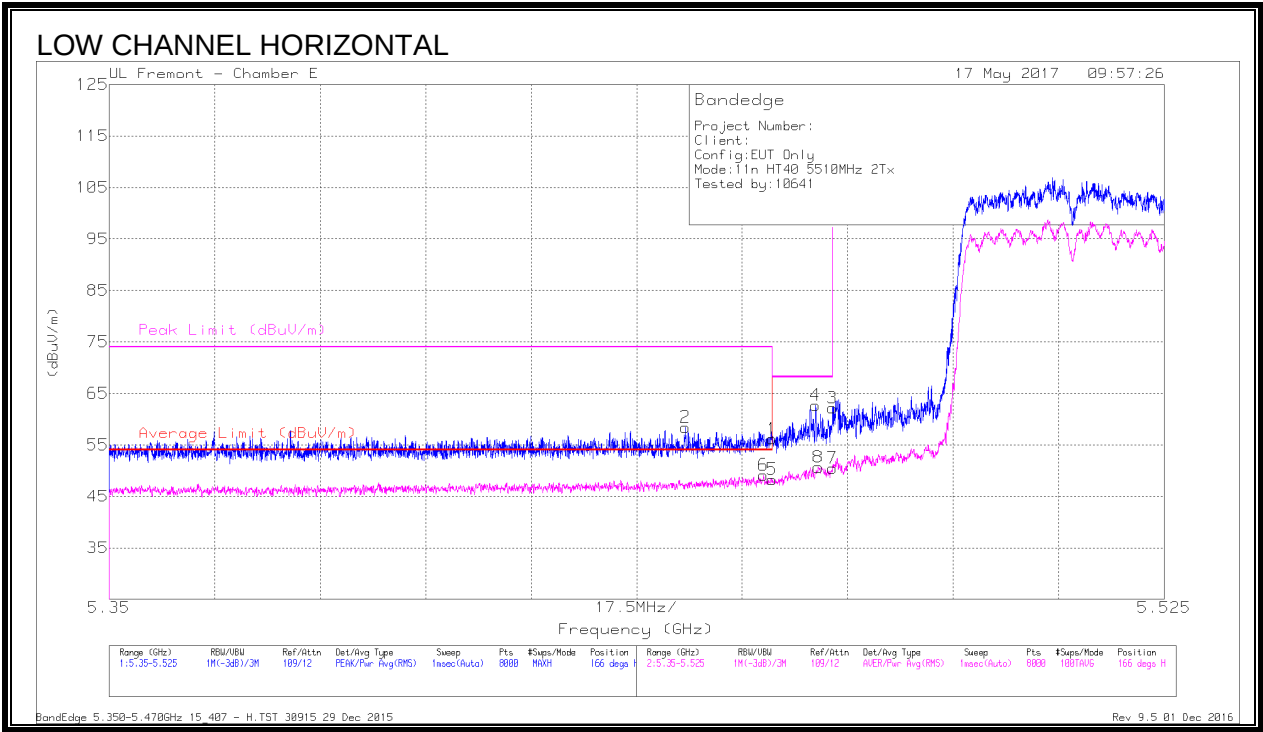
9.1.28. 11n HT40 LAT 3 SISO STRADDLE CHANNEL 142

HARMONICS AND SPURIOUS EMISSIONS

Noted: Covered by 802.11n HT40 2Tx (UAT 2 + LAT 3) CDD MODE IN THE 5.6 GHz BAND

9.1.29. 11n HT40 2TX CDD MIMO MODE IN THE 5.6GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequ ncy (GHz)	Meter Readin g (dBuV)	Det	AF T136 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	DC Factor	Correct ed Readin g (dBuV/ m)	Averag e Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimet h (Degs)	Height (cm)	Polarity
1	* 5.46	40.38	Pk	35.1	-19.3		56.18	-	-	74	-17.82	166	108	H
2	* 5.446	42.61	Pk	35.1	-19.3		58.41	-	-	74	-15.59	166	108	H
5	* 5.46	32.49	RMS	35.1	-19.3	0.09	48.38	54	-5.62	-	-	166	108	H
6	* 5.458	33.32	RMS	35.1	-19.3	0.09	49.21	54	-4.79	-	-	166	108	H
4	5.467	47.09	Pk	35.1	-19.5		62.69	-	-	68.2	-5.51	166	108	H
8	5.468	35.05	RMS	35.1	-19.5		50.65	-	-	-	-	166	108	H
3	5.47	46.47	Pk	35.1	-19.4		62.17	-	-	68.2	-6.03	166	108	H
7	5.47	34.8	RMS	35.1	-19.4		50.5	-	-	-	-	166	108	H

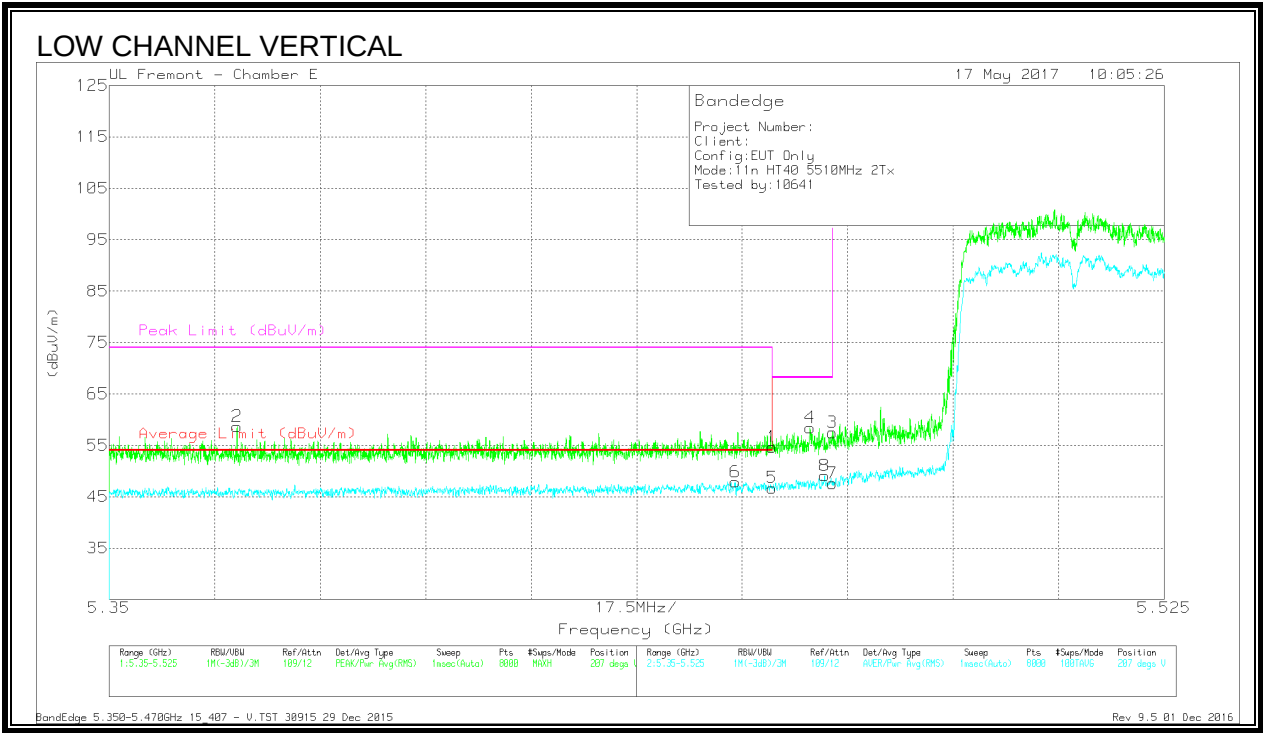
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

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

Rev 9.5 01 Dec 2016



Marker	Frequ ncy (GHz)	Meter Readin g (dBuV)	Det	AF T136 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	DC Factor	Correct ed Readin g (dBuV/ m)	Averag e Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimet h (Degs)	Height (cm)	Polarity
1	* 5.46	38.87	Pk	35.1	-19.3		54.67	-	-	74	-19.33	207	102	V
2	* 5.371	42.75	Pk	35.2	-19.3		58.65	-	-	74	-15.35	207	102	V
5	* 5.46	30.92	RMS	35.1	-19.3	0.09	46.81	54	-7.19	-	-	207	102	V
6	* 5.454	32.07	RMS	35.1	-19.3	0.09	47.96	54	-6.043	-	-	207	102	V
4	5.466	42.74	Pk	35.1	-19.4		58.44	-	-	68.2	-9.76	207	102	V
8	5.469	33.49	RMS	35.1	-19.5		49.09	-	-	-	-	207	102	V
3	5.47	41.78	Pk	35.1	-19.4		57.48	-	-	68.2	-10.72	207	102	V
7	5.47	31.9	RMS	35.1	-19.4		47.6	-	-	-	-	207	102	V

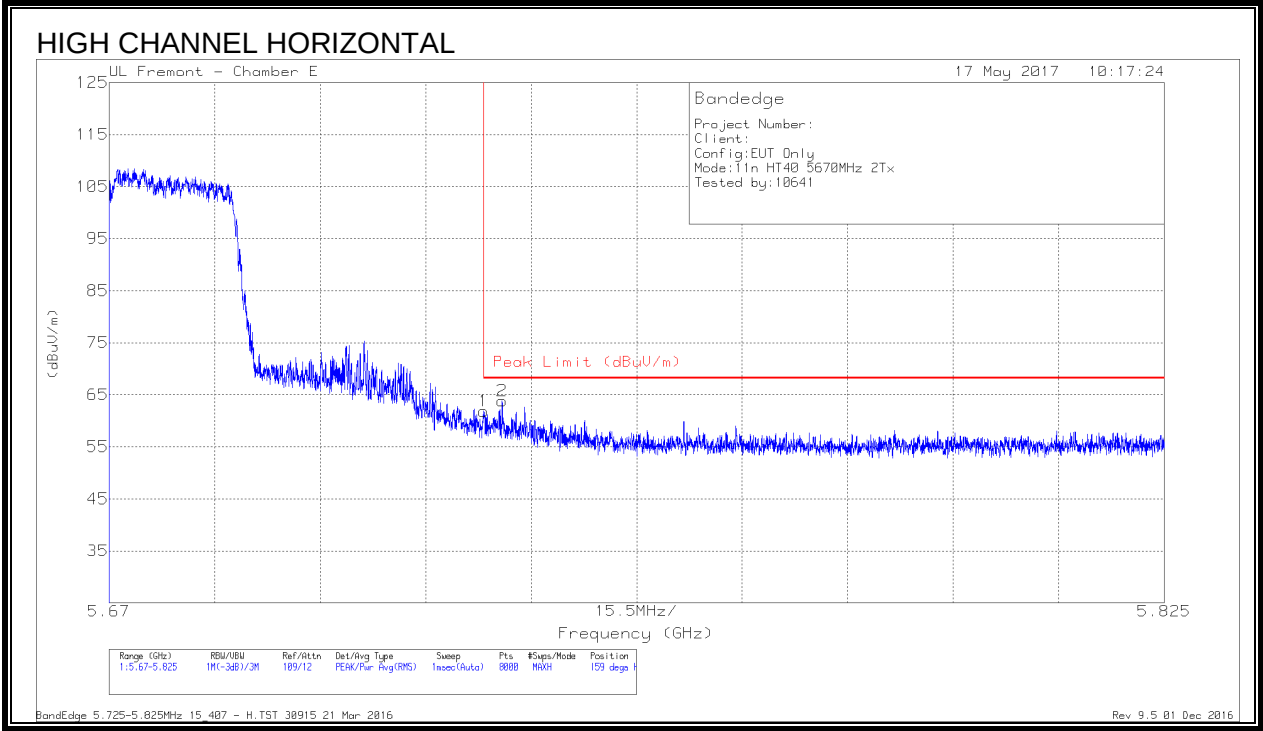
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

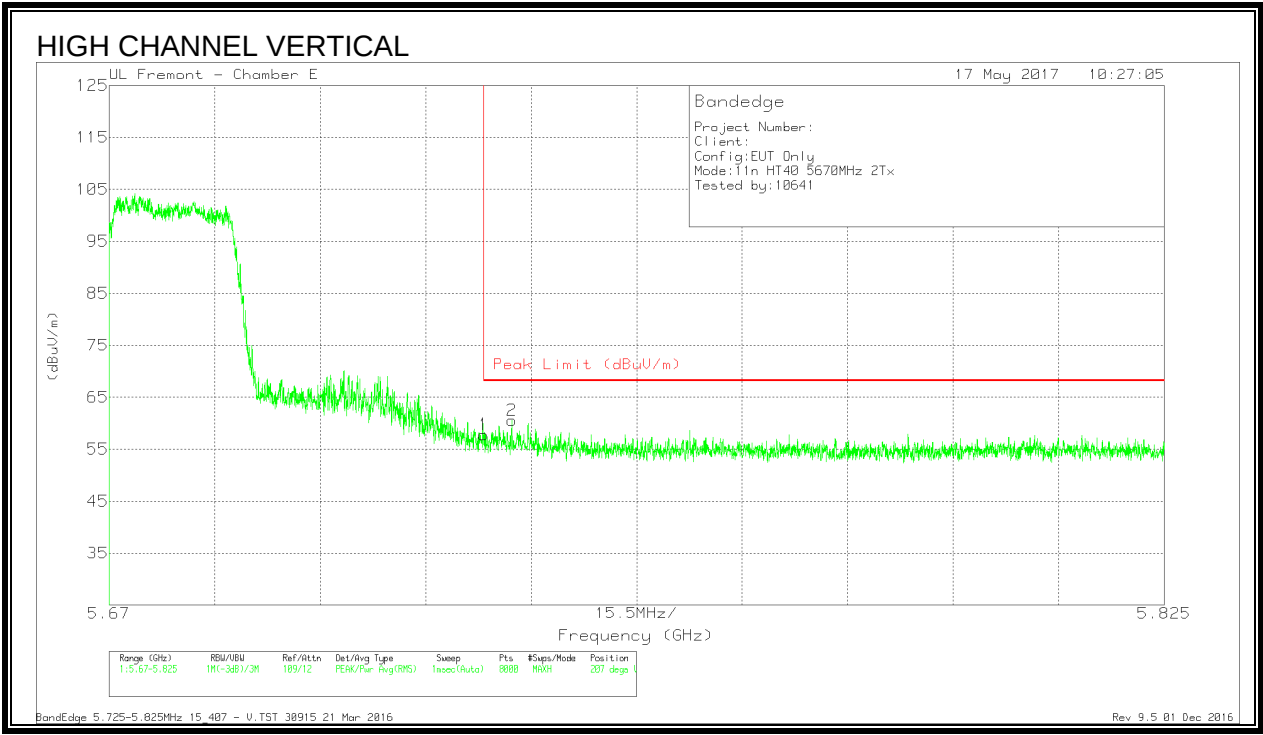
BandEdge 5.350-5.470GHz 15_407 - V.TST 30915 29 Dec 2015

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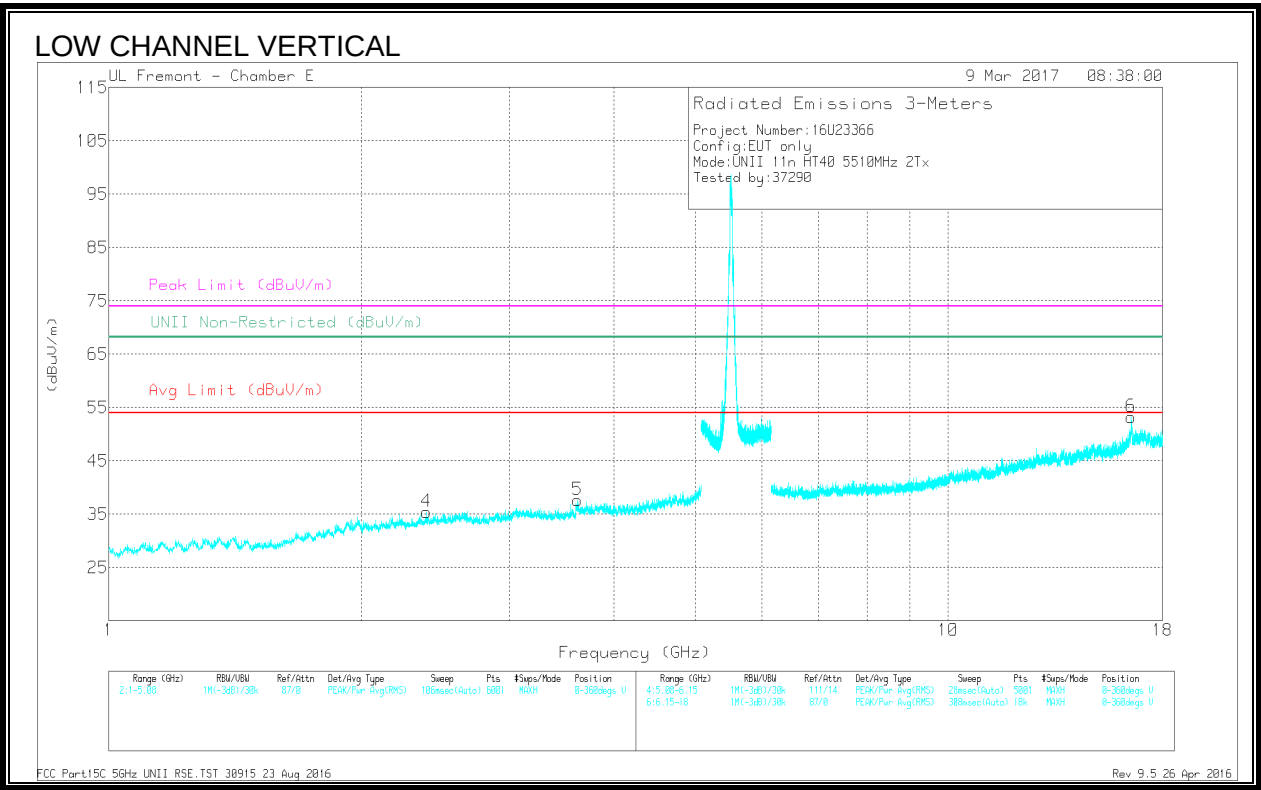
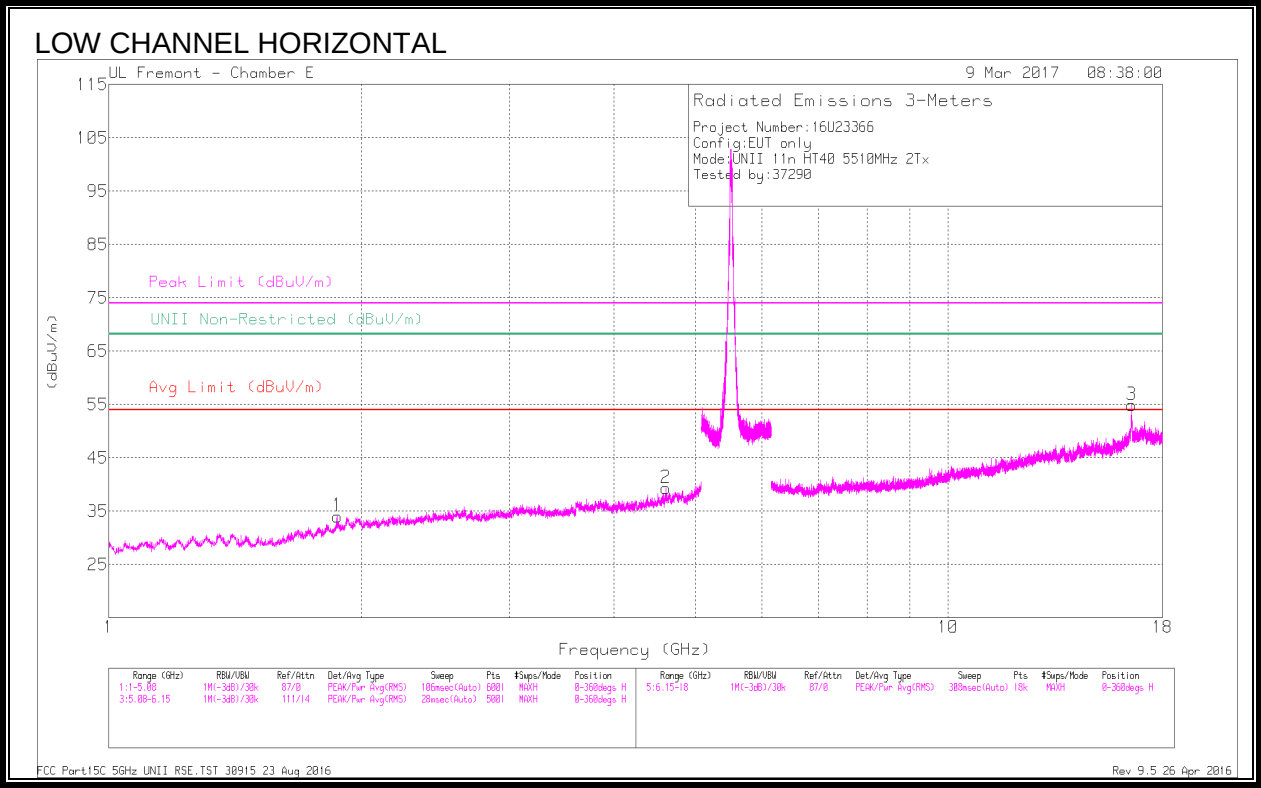
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	46.54	Pk	34.9	-19.6	61.84	68.2	-6.36	159	103	H
2	5.728	48.43	Pk	34.9	-19.5	63.83	68.2	-4.37	159	103	H

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 T136 (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	42.5	Pk	34.9	-19.6	57.8	68.2	-10.4	207	112	V
2	5.729	45.13	Pk	34.9	-19.5	60.53	68.2	-7.67	207	112	V

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



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Fitter/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	* 4.614	40.48	PK-U	34.2	-29.4	0	45.28	-	-	74	-28.72	-	-	0	100	H
	* 4.614	30.11	ADR	34.2	-29.4	0.09	35.00	54	-19.00	-	-	-	-	0	100	H
4	* 2.335	42.73	PK-U	31.8	-32.7	0	41.83	-	-	74	-32.17	-	-	0	200	V
	* 2.314	31.72	ADR	31.7	-33.3	0.09	30.21	54	-23.79	-	-	-	-	0	200	V
5	* 3.617	42.02	PK-U	33	-30.5	0	44.52	-	-	74	-29.48	-	-	0	100	V
	* 3.615	30.3	ADR	33	-30.5	0.09	32.89	54	-21.11	-	-	-	-	0	100	V
1	1.872	44.99	PK-U	30.7	-33.7	0	41.99	-	-	-	-	68.2	-26.21	0	200	H
6	16.52	35.5	PK-U	42	-20.9	0	56.6	-	-	-	-	68.2	-11.6	243	345	V
3	16.533	35.79	PK-U	42.1	-20.7	0	57.19	-	-	-	-	68.2	-11.01	224	157	H

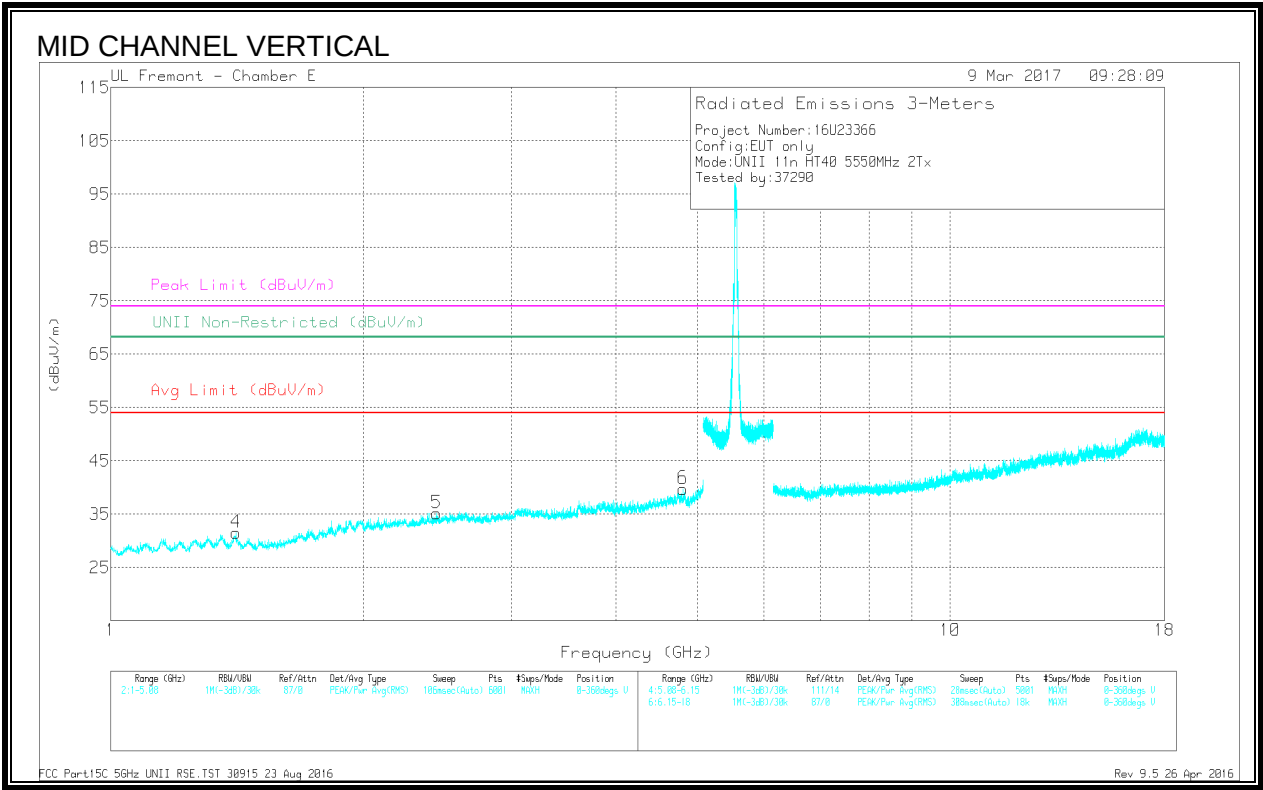
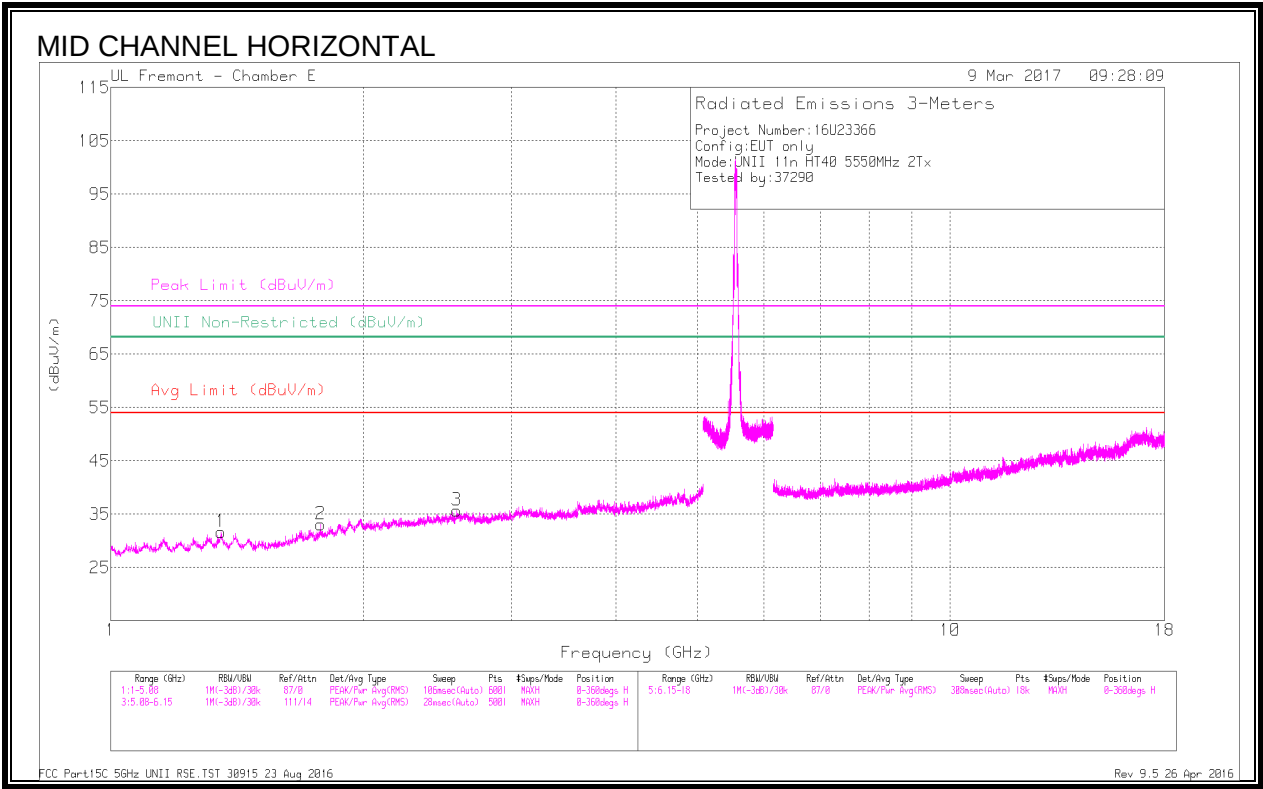
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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 26 Apr 2016



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	* 1.355	44.56	PK-U	28.7	-34.8	0	38.46	-	-	74	-35.54	-	-	360	245	H
	* 1.356	33.85	ADR	28.7	-34.7	0.09	27.94	54	-26.06	-	-	-	-	360	245	H
4	* 1.411	45.05	PK-U	28.6	-34.5	0	39.15	-	-	74	-34.85	-	-	360	101	V
	* 1.41	33.91	ADR	28.6	-34.5	0.09	28.10	54	-25.90	-	-	-	-	360	101	V
6	* 4.805	40.4	PK-U	34.2	-29.2	0	45.4	-	-	74	-28.6	-	-	360	101	V
	* 4.803	29.82	ADR	34.2	-29.2	0.09	34.91	54	-19.09	-	-	-	-	360	101	V
2	1.779	43.94	PK-U	30	-34.5	0	39.44	-	-	-	-	68.2	-28.76	360	101	H
5	2.447	42.66	PK-U	32.3	-32.6	0	42.36	-	-	-	-	68.2	-25.84	360	200	V
3	2.581	41.75	PK-U	32.5	-31.9	0	42.35	-	-	-	-	68.2	-25.85	360	245	H

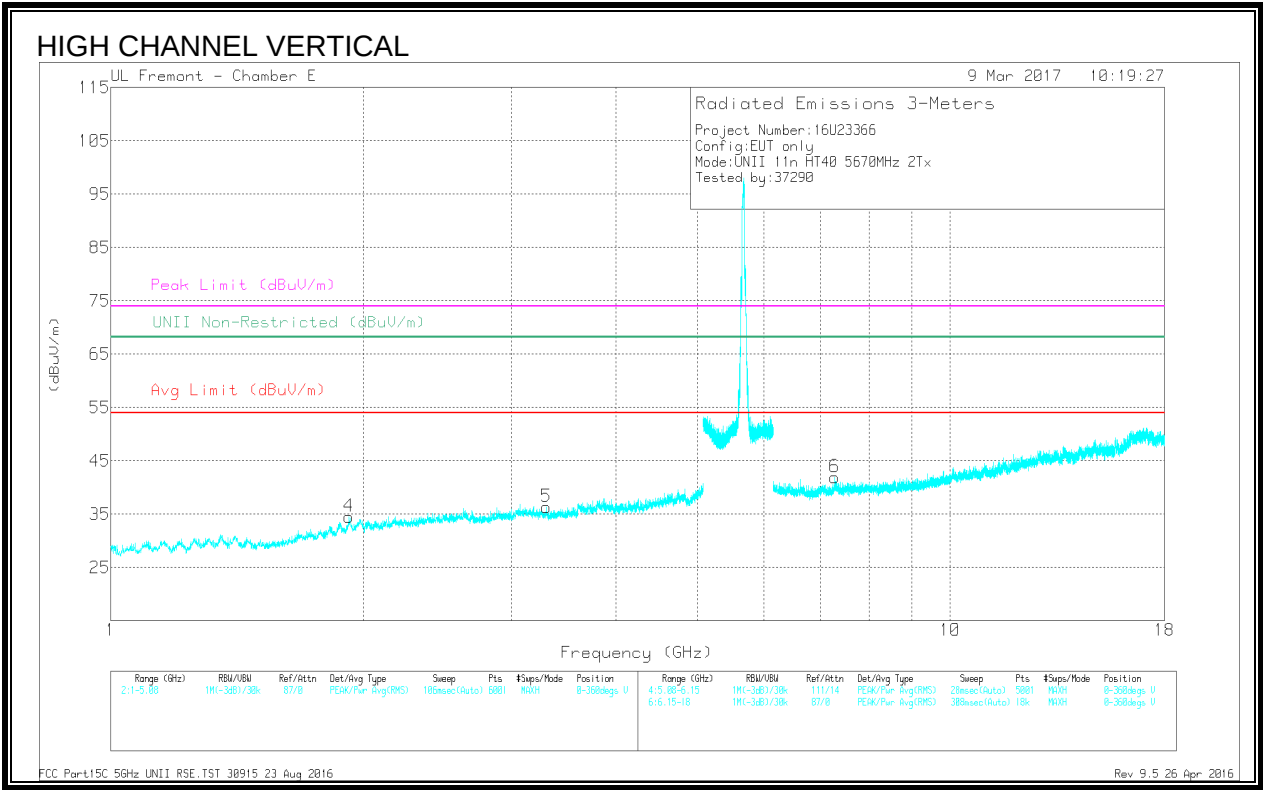
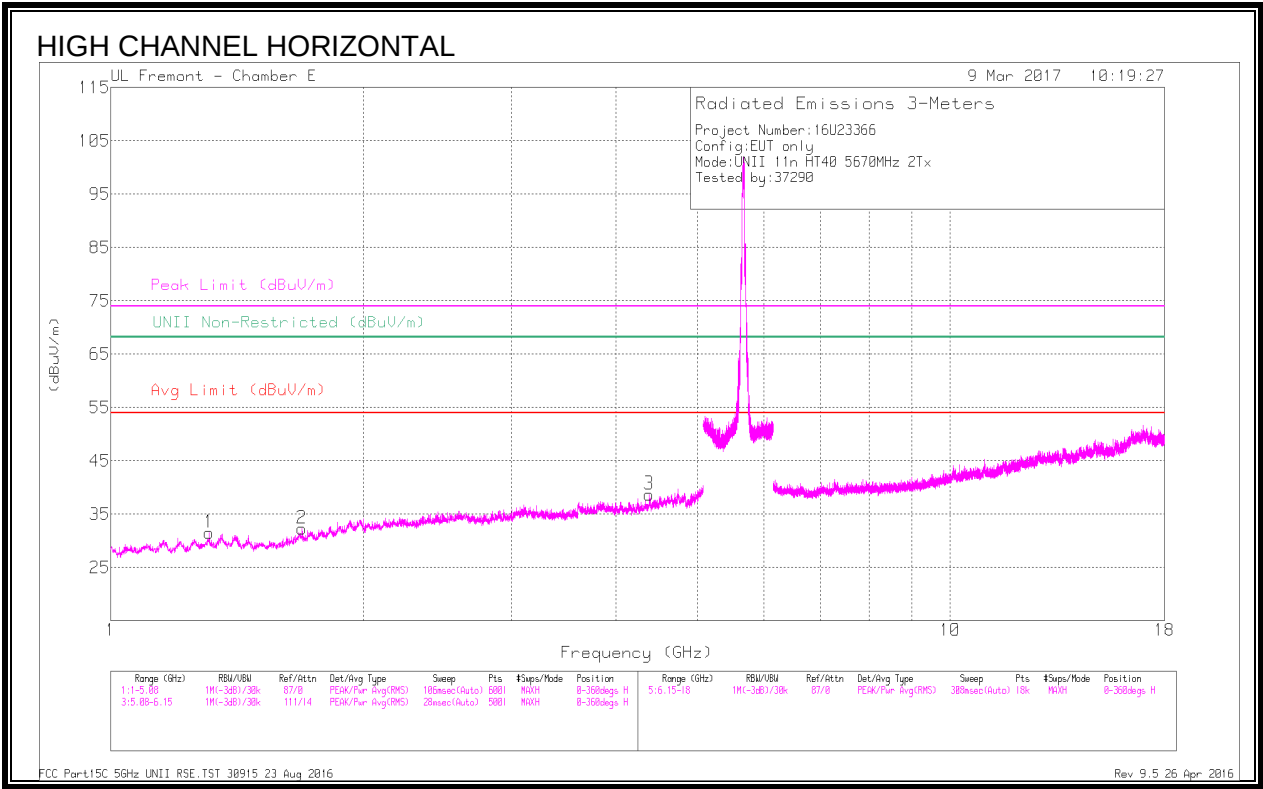
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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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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	* 1.311	44.61	PK-U	28.8	-35.4	0	38.01	-	-	74	-35.99	-	-	360	200	H
	* 1.308	33.82	ADR	28.8	-35.4	0.09	27.31	54	-26.69	-	-	-	-	360	200	H
2	* 1.688	43.75	PK-U	29.1	-33.5	0	39.35	-	-	74	-34.65	-	-	360	200	H
	* 1.689	32.43	ADR	29.1	-33.5	0.09	28.12	54	-25.88	-	-	-	-	360	200	H
3	* 4.382	40.94	PK-U	33.7	-29.4	0	45.24	-	-	74	-28.76	-	-	360	101	H
	* 4.379	30.22	ADR	33.7	-29.5	0.09	34.51	54	-19.49	-	-	-	-	360	101	H
6	* 7.282	38.1	PK-U	35.9	-26.2	0	47.8	-	-	74	-26.2	-	-	360	200	V
	* 7.279	27.53	ADR	35.9	-26.2	0.09	37.32	54	-16.69	-	-	-	-	360	200	V
4	1.922	43.61	PK-U	31	-33	0	41.61	-	-	-	-	68.2	-26.59	360	101	V
5	3.305	41.28	PK-U	32.7	-30.7	0	43.28	-	-	-	-	68.2	-24.92	360	101	V

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

PK-U - U-NII: Maximum Peak

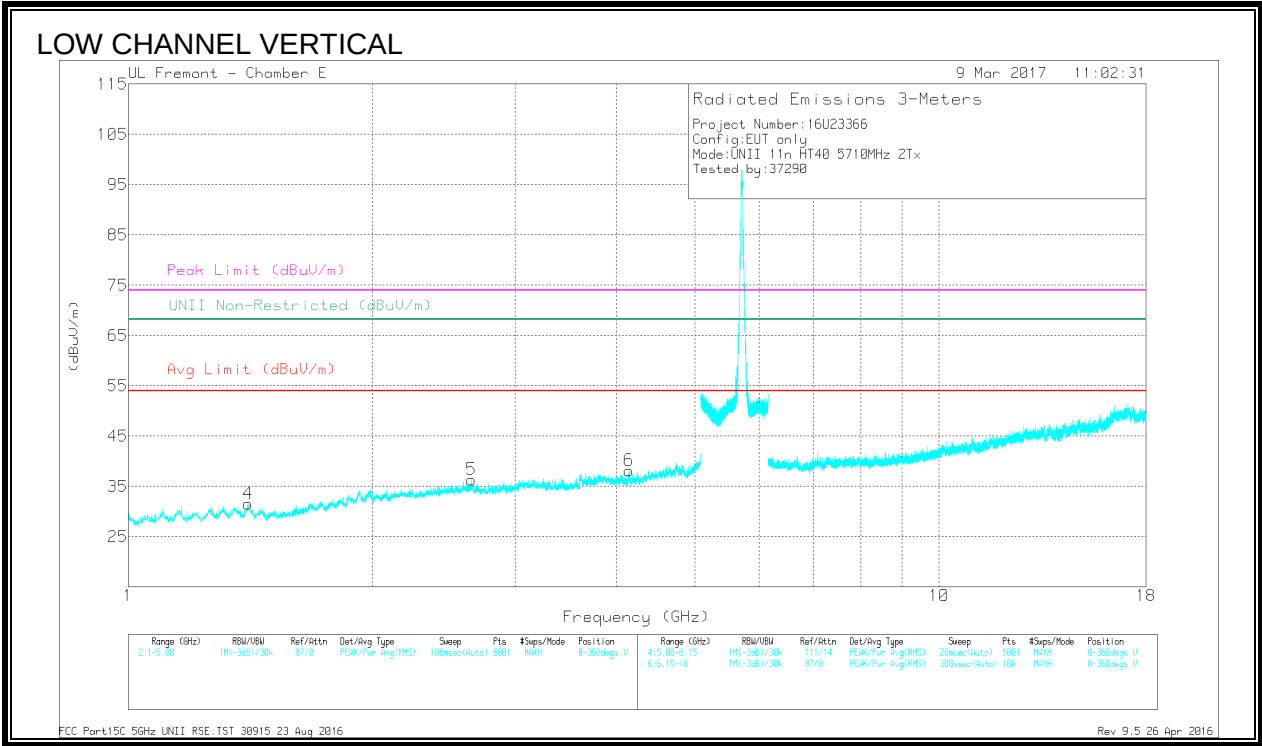
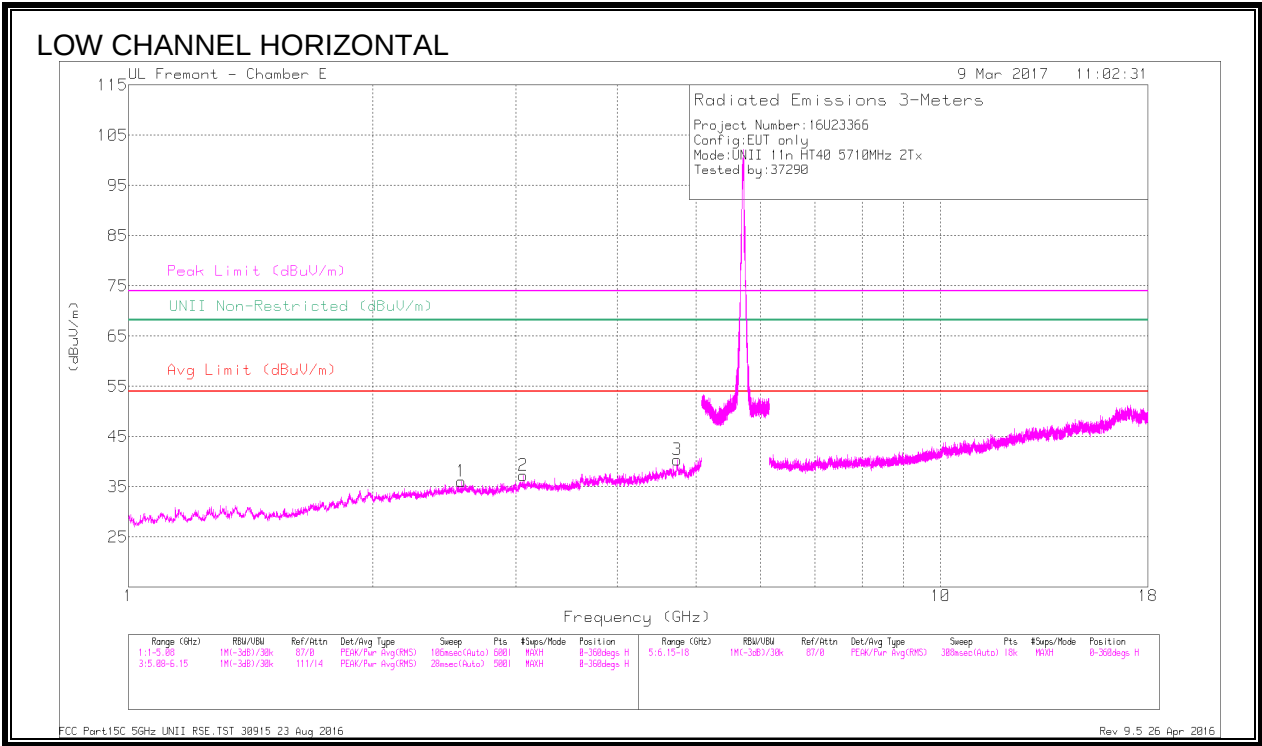
ADR - U-NII AD primary method, RMS average

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

Rev 9.5 26 Apr 2016

9.1.30. 11n HT40 2TX CDD MIMO STRADDLE CHANNEL 142

HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Fit r/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
3	* 4.739	41.43	PK-U	34.3	-28.9		46.83	-	-	74	-27.17	-	-	360	200	H
	* 4.739	30.37	ADR	34.3	-28.9	0.09	35.86	54	-18.14	-	-	-	-	360	200	H
4	* 1.404	45.07	PK-U	28.6	-34.4			-	-	74	-34.73	-	-	360	200	V
	* 1.406	33.74	ADR	28.6	-34.4	0.09	28.03	54	-25.97	-	-	-	-	360	200	V
6	* 4.142	42.33	PK-U	33.5	-30.5		45.33	-	-	74	-28.67	-	-	360	200	V
	* 4.141	30.39	ADR	33.5	-30.5	0.09	33.48	54	-20.52	-	-	-	-	360	200	V
1	2.567	41.76	PK-U	32.5	-32.4		41.86	-	-	-	-	68.2	-26.34	360	100	H
5	2.65	41.61	PK-U	32.4	-31.1		42.91	-	-	-	-	68.2	-25.29	360	101	V
2	3.061	40.91	PK-U	32.9	-30.4		43.41	-	-	-	-	68.2	-24.79	360	100	H

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

PK-U - U-NII: Maximum Peak

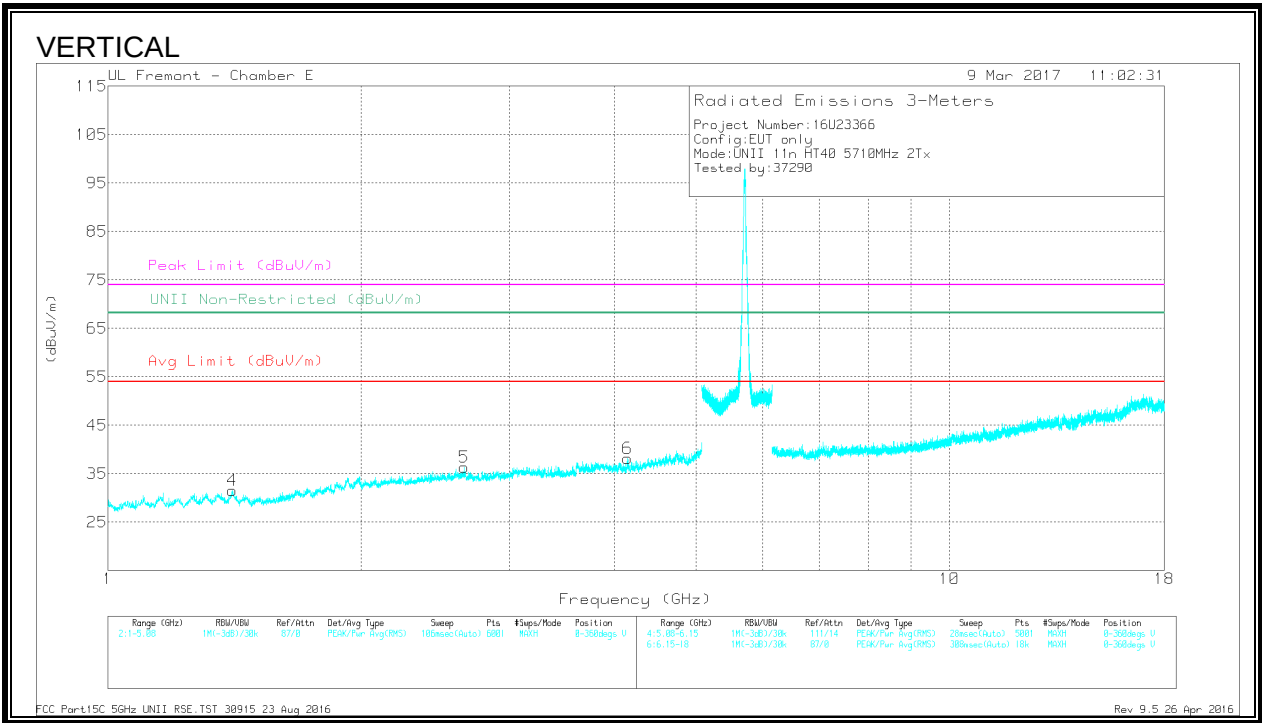
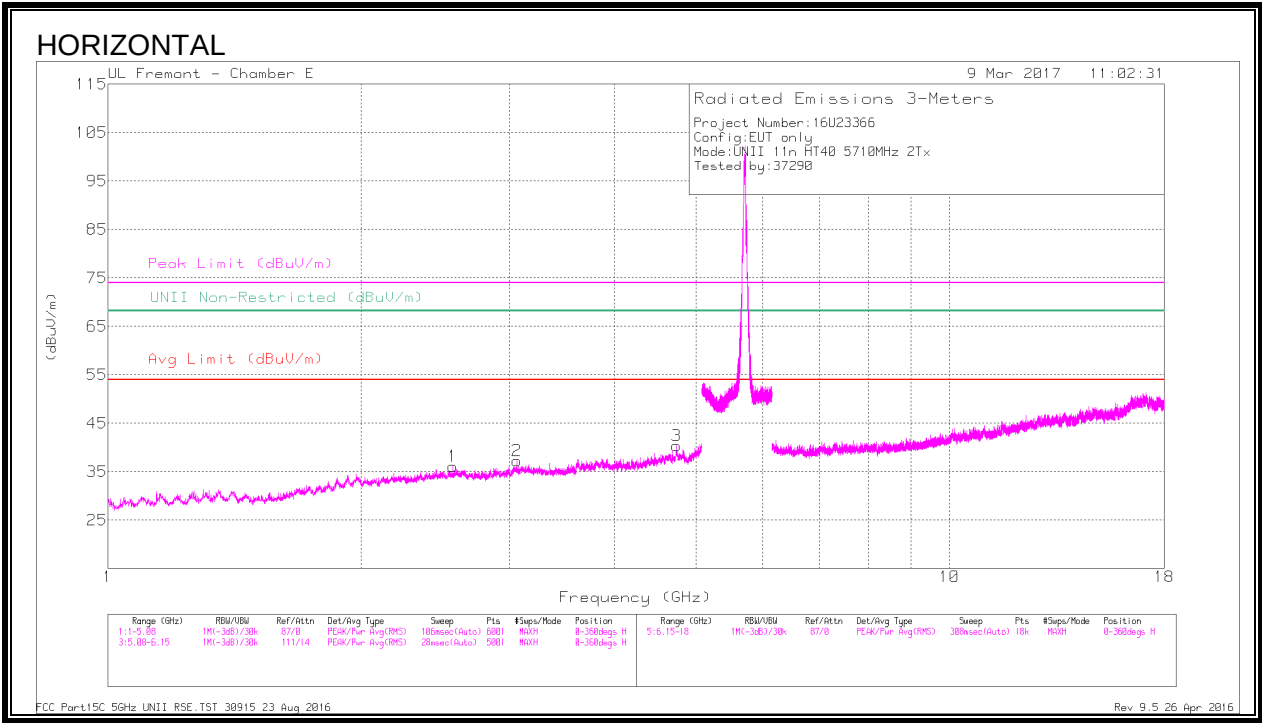
ADR - U-NII AD primary method, RMS average

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

Rev 9.5 26 Apr 2016

9.1.31. 11ac HT40 2TX CDD MIMO STRADDLE CHANNEL 142

HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/FI tr/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
3	* 4.739	41.43	PK-U	34.3	-28.9		46.83	-	-	74	-27.17	-	-	360	200	H
	* 4.739	30.37	ADR	34.3	-28.9	.09	35.86	54	-18.14	-	-	-	-	360	200	H
4	* 1.404	45.07	PK-U	28.6	-34.4		39.27	-	-	74	-34.73	-	-	360	200	V
	* 1.406	33.74	ADR	28.6	-34.4	.09	28.03	54	-25.97	-	-	-	-	360	200	V
6	* 4.142	42.33	PK-U	33.5	-30.5		45.33	-	-	74	-28.67	-	-	360	200	V
	* 4.141	30.39	ADR	33.5	-30.5	.09	33.48	54	-20.52	-	-	-	-	360	200	V
1	2.567	41.76	PK-U	32.5	-32.4		41.86	-	-	-	-	68.2	-26.34	360	100	H
5	2.65	41.61	PK-U	32.4	-31.1		42.91	-	-	-	-	68.2	-25.29	360	101	V
2	3.061	40.91	PK-U	32.9	-30.4		43.41	-	-	-	-	68.2	-24.79	360	100	H

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

PK-U - U-NII: Maximum Peak

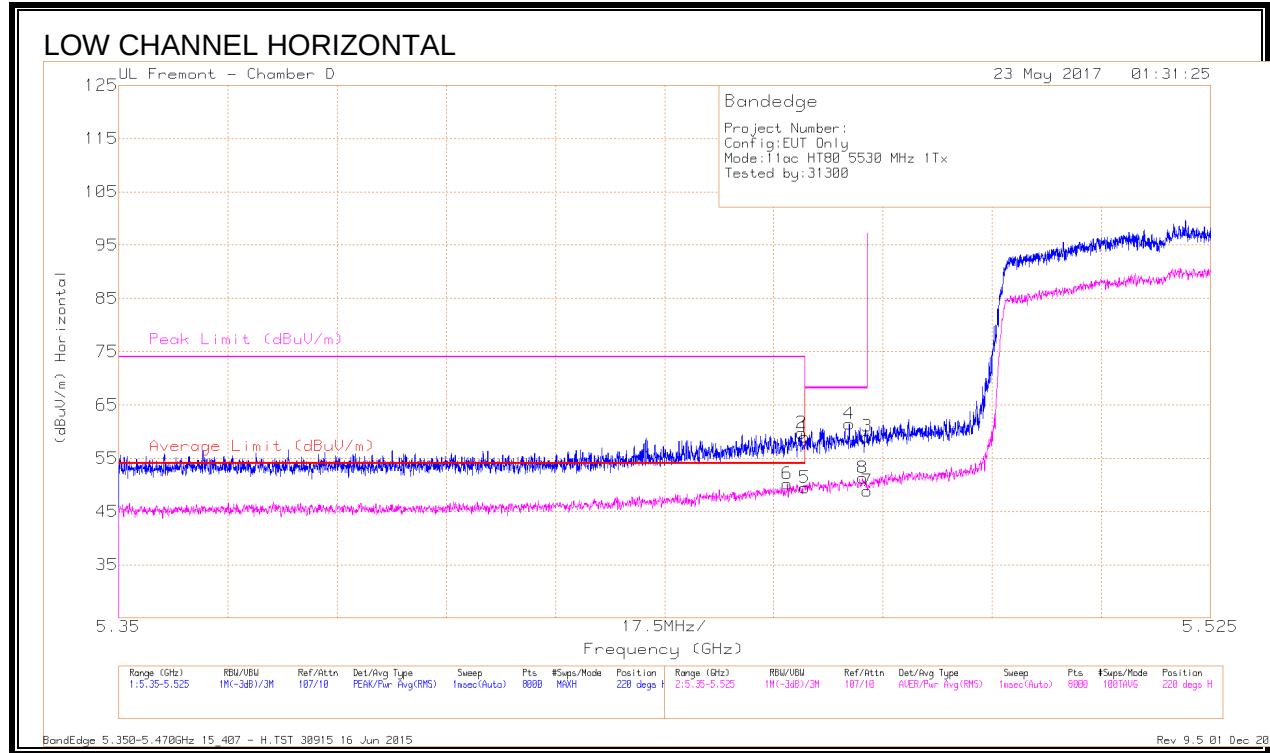
ADR - U-NII AD primary method, RMS average

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

Rev 9.5 26 Apr 2016

9.1.32. 11ac HT80 UAT 2 SISO MODE IN THE 5.6GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Factor	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6	* 5.457	33.49	RMS	34.7	-18	0.19	50.39	54	-3.81	-	-	220	381	H
2	* 5.459	43.02	Pk	34.7	-18		59.72	-	-	74	-14.28	220	381	H
1	* 5.46	42.21	Pk	34.7	-17.9		59.01	-	-	74	-14.99	220	381	H
5	* 5.46	32.66	RMS	34.7	-17.9	0.19	49.65	54	-4.35	-	-	220	381	H
4	5.467	44.63	Pk	34.7	-17.9		61.43	-	-	68.2	-6.77	220	381	H
8	5.469	34.47	RMS	34.7	-17.9		51.27	-	-	-	-	220	381	H
3	5.47	42.26	Pk	34.7	-17.9		59.06	-	-	68.2	-9.14	220	381	H
7	5.47	32.05	RMS	34.7	-17.9		48.85	-	-	-	-	220	381	H

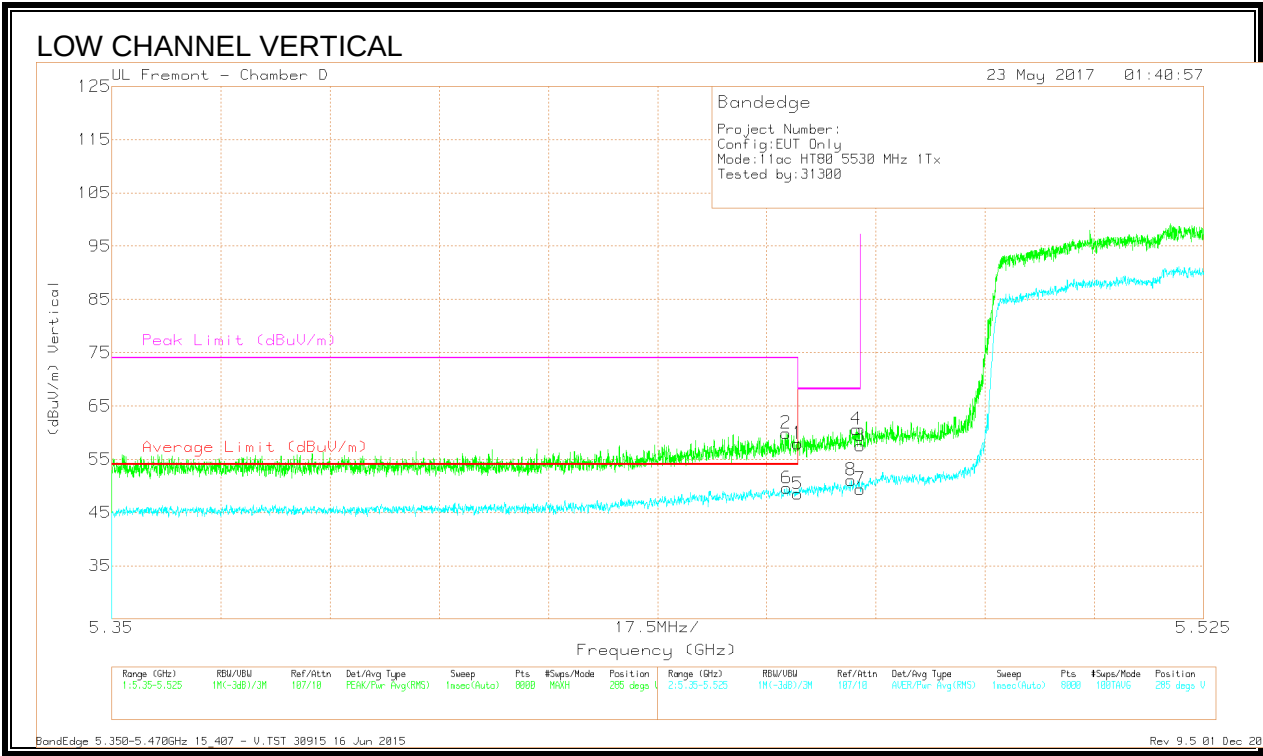
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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	Frequ ncy (GHz)	Meter Readin g (dBuV)	Det	AF T120 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	DC Factor	Correct ed Readin g (dBuV/ m)	Averag e Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimet h (Degs)	Height (cm)	Polarity
2	* 5.458	43.19	Pk	34.7	-18		59.89	-	-	74	-14.11	285	374	V
6	* 5.458	32.87	RMS	34.7	-18	0.19	49.66	54	-4.34	-	-	285	374	V
1	* 5.46	41.15	Pk	34.7	-17.9		57.95	-	-	74	-16.05	285	374	V
5	* 5.46	31.7	RMS	34.7	-17.9	0.19	48.69	54	-5.31	-	-	285	374	V
4	5.469	43.84	Pk	34.7	-17.9		60.64	-	-	68.2	-7.56	285	374	V
8	5.469	34.29	RMS	34.7	-17.9		51.09	-	-	-	-	285	374	V
3	5.47	40.76	Pk	34.7	-17.9		57.56	-	-	68.2	-10.64	285	374	V
7	5.47	32.59	RMS	34.7	-17.9		49.39	-	-	-	-	285	374	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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HARMONICS AND SPURIOUS EMISSIONS

Noted: Covered by 802.11ac VHT80 2Tx (UAT 2 + LAT 3) CDD MODE IN THE 5.6 GHz BAND

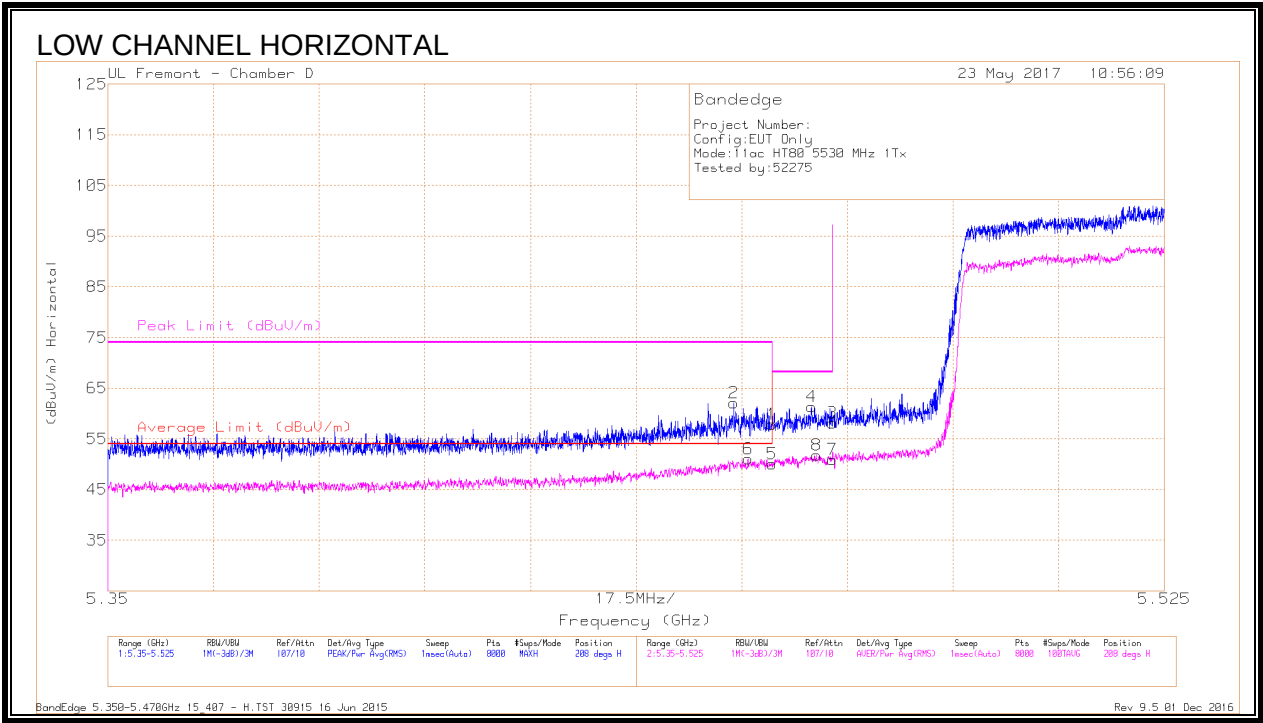
9.1.33. 11ac HT80 UAT 2 SISO STRADDLE CHANNEL 138

HARMONICS AND SPURIOUS EMISSIONS

Noted: Covered by 802.11ac VHT80 2Tx (UAT 2 + LAT 3) CDD MODE IN THE 5.6 GHz BAND

9.1.34. 11ac HT80 LAT 3 SISO MODE IN THE 5.6GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequen- cy (GHz)	Meter Readin g (dBuV)	Det	AF T120 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	DC Factor	Correct ed Readin g (dBuV/ m)	Averag e Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarit y
1	* 5.46	41.1	Pk	34.7	-17.9		57.9	-	-	74	-16.1	208	104	H
2	* 5.454	45.35	Pk	34.7	-18		62.05	-	-	74	-11.95	208	104	H
5	* 5.46	33.22	RMS	34.7	-17.9	0.19	50.21	54	-3.79	-	-	208	104	H
6	* 5.456	34.28	RMS	34.7	-18	0.19	51.17	54	-2.73	-	-	208	104	H
4	5.467	44.55	Pk	34.7	-17.9		61.35	-	-	68.2	-6.85	208	104	H
8	5.467	34.96	RMS	34.7	-17.9		51.76	-	-	-	-	208	104	H
3	5.47	41.34	Pk	34.7	-17.9		58.14	-	-	68.2	-10.06	208	104	H
7	5.47	34.09	RMS	34.7	-17.9		50.89	-	-	-	-	208	104	H

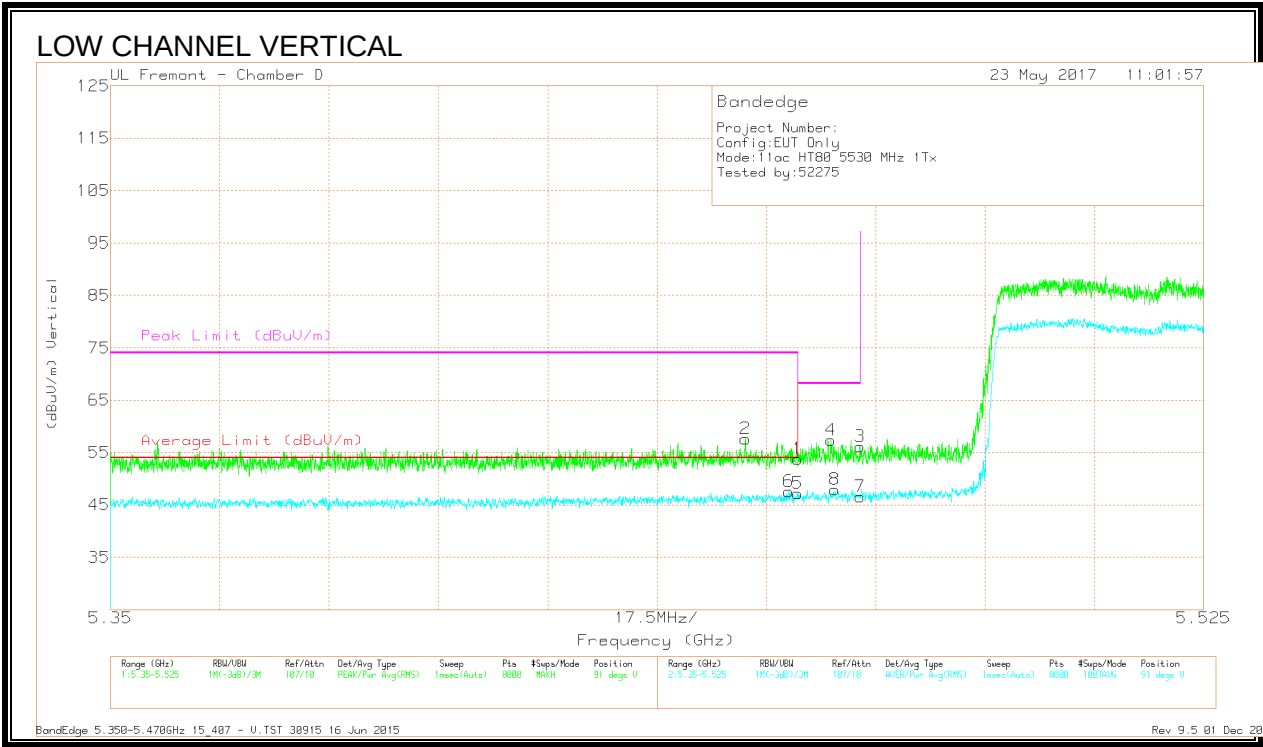
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

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

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Marker	Frequen cy (GHz)	Meter Readin g (dBuV)	Det	AF T120 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	DC Factor	Correct ed Readin g (dBuV/ m)	Averag e Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimet h (Degs)	Height (cm)	Polarity
2	* 5.452	40.94	Pk	34.7	-18		57.64	-	-	74	-16.36	91	329	V
6	* 5.459	30.81	RMS	34.7	-18	0.19	47.70	54	-6.30	-	-	91	329	V
1	* 5.46	36.97	Pk	34.7	-17.9		53.77	-	-	74	-20.23	91	329	V
5	* 5.46	30.43	RMS	34.7	-17.9	0.19	47.42	54	-6.58	-	-	91	329	V
4	5.465	40.61	Pk	34.7	-17.9		57.41	-	-	68.2	-10.79	91	329	V
8	5.466	31.08	RMS	34.7	-17.9		47.88	-	-	-	-	91	329	V
3	5.47	39.37	Pk	34.7	-17.9		56.17	-	-	68.2	-12.03	91	329	V
7	5.47	29.79	RMS	34.7	-17.9		46.59	-	-	-	-	91	329	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

HARMONICS AND SPURIOUS EMISSIONS

Noted: Covered by 802.11ac VHT80 2Tx (UAT 2 + LAT 3) CDD MODE IN THE 5.6 GHz BAND

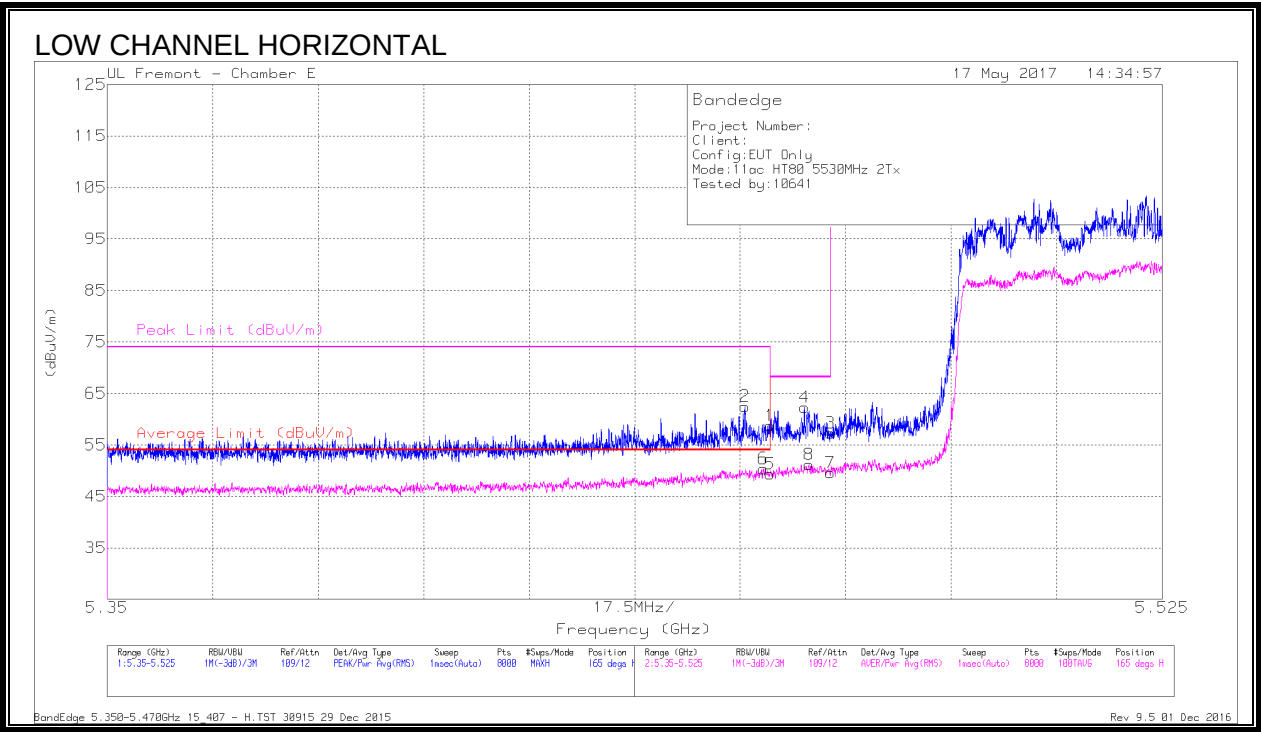
9.1.35. 11ac HT80 LAT 3 SISO STRADDLE CHANNEL 138

HARMONICS AND SPURIOUS EMISSIONS

Noted: Covered by 802.11ac VHT80 2Tx (UAT 2 + LAT 3) CDD MODE IN THE 5.6 GHz BAND

9.1.36. 11ac VHT80 2TX CDD MIMO MODE IN THE 5.6GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequency (GHz)	Measurement Reading (dBuV)	Detector	AF T136 (dB/m)	Amp/Cb/Filter/Pad (dB)	DC Correction (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	42.94	Pk	35.1	-19.3	0	58.74	-	-	74	-15.26	165	111	H
2	* 5.456	46.76	Pk	35.1	-19.4	0	62.46	-	-	74	-11.54	165	111	H
5	* 5.46	33.35	RMS	35.1	-19.3	.19	49.34	54	-4.66	-	-	165	111	H
6	* 5.459	34.38	RMS	35.1	-19.3	.19	50.37	54	-3.63	-	-	165	111	H
4	5.466	46.6	Pk	35.1	-19.4	0	62.3	-	-	68.2	-5.9	165	111	H
8	5.466	35.27	RMS	35.1	-19.4	.19	51.16	-	-	-	-	165	111	H
3	5.47	41.57	Pk	35.1	-19.4	0	57.27	-	-	68.2	-10.93	165	111	H
7	5.47	33.7	RMS	35.1	-19.4	.19	49.59	-	-	-	-	165	111	H

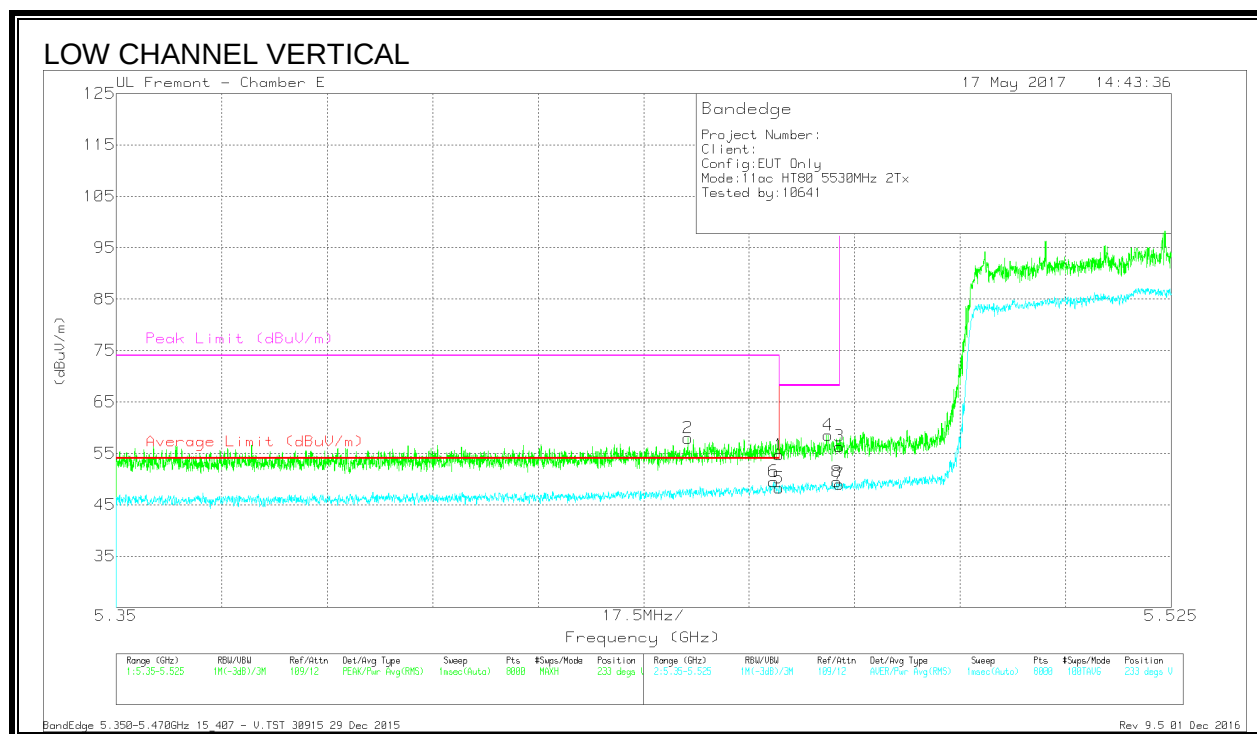
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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)	Measurement Reading (dBuV)	Detector	AF T136 (dB/m)	Amp/Cbl/Ftr/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	38.93	Pk	35.1	-19.3	0	54.73	-	-	74	-19.27	233	132	V
2	* 5.445	42.18	Pk	35.1	-19.3	0	57.98	-	-	74	-16.02	233	132	V
5	* 5.46	32.25	RMS	35.1	-19.3	.19	48.24	54	-5.76	-	-	233	132	V
6	* 5.459	33.53	RMS	35.1	-19.3	.19	49.52	54	-4.48	-	-	233	132	V
4	5.468	42.95	Pk	35.1	-19.5	0	58.55	-	-	68.2	-9.65	233	132	V
3	5.47	40.67	Pk	35.1	-19.4	0	56.37	-	-	68.2	-11.83	233	132	V
7	5.47	33.08	RMS	35.1	-19.4	.19	48.97	-	-	-	-	233	132	V
8	5.47	33.57	RMS	35.1	-19.4	.19	49.46	-	-	-	-	233	132	V

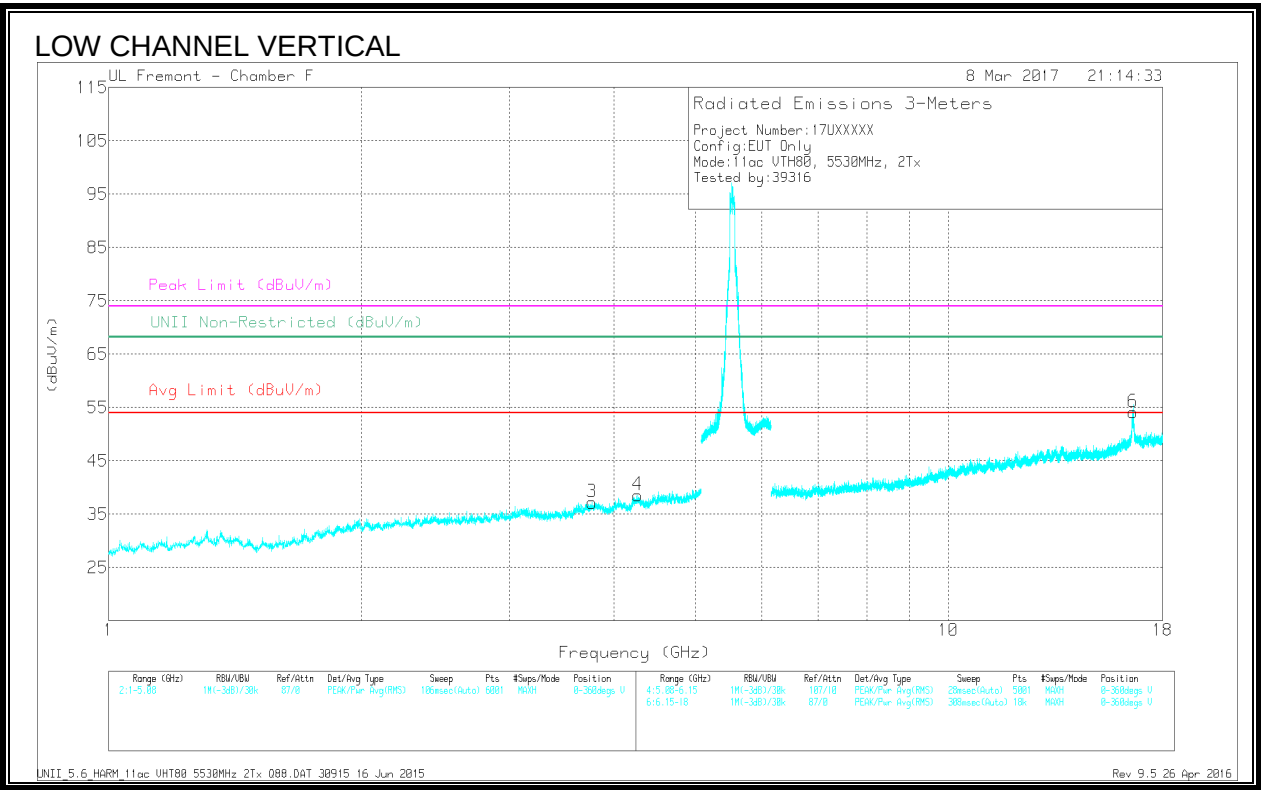
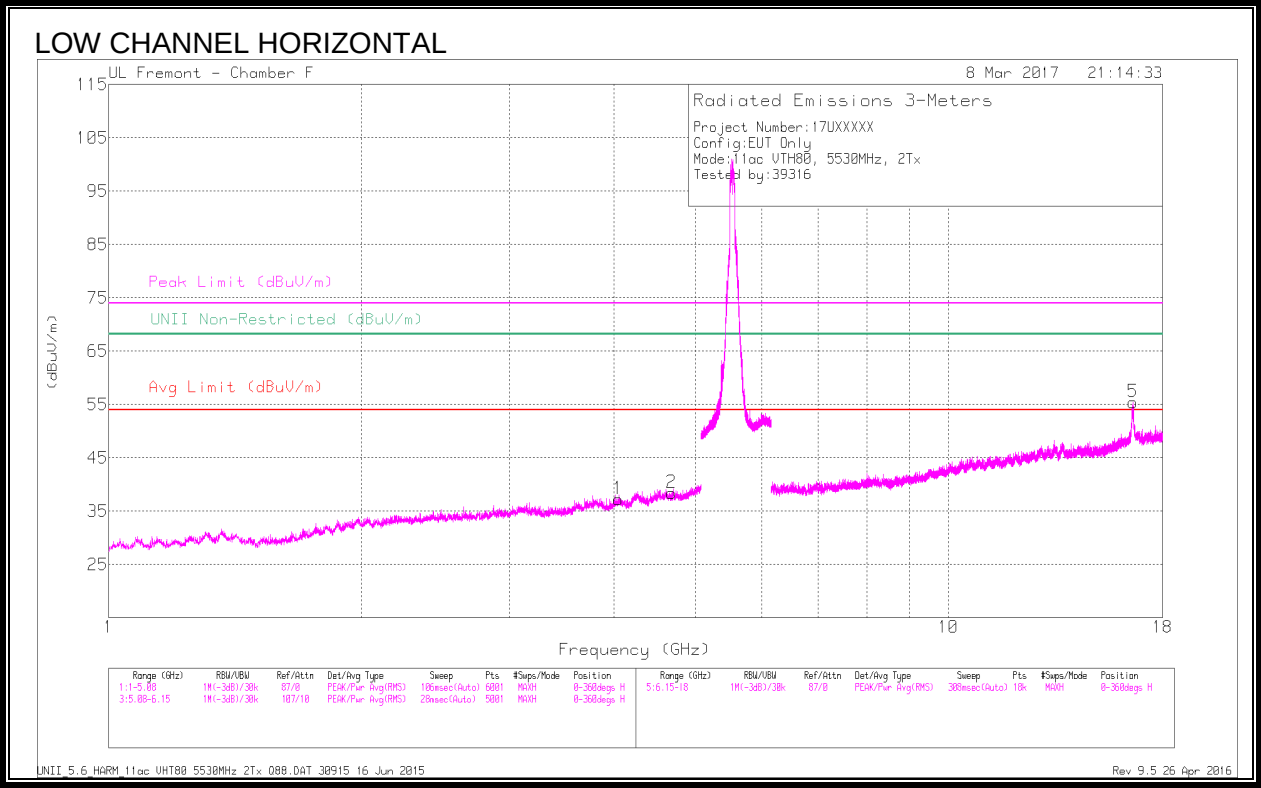
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

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

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DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/FI tr/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	* 4.047	39.19	PK-U	33.5	-28.4	0	44.29	-	-	74	-29.71	-	-	298	224	H
	* 4.051	28.06	ADR	33.5	-28.4	.19	33.35	54	-20.65	-	-	-	-	298	224	H
2	* 4.683	38.76	PK-U	34.2	-27.3	0	45.66	-	-	74	-28.34	-	-	318	274	H
	* 4.682	28	ADR	34.2	-27.3	.19	35.09	54	-18.91	-	-	-	-	318	274	H
3	* 3.762	39.62	PK-U	33.4	-29.4	0	43.62	-	-	74	-30.38	-	-	131	265	V
	* 3.762	28.68	ADR	33.4	-29.4	.19	32.87	54	-21.13	-	-	-	-	131	265	V
4	* 4.265	39.39	PK-U	33.7	-26.8	0	46.29	-	-	74	-27.71	-	-	87	234	V
	* 4.265	27.74	ADR	33.7	-26.8	.19	34.83	54	-19.17	-	-	-	-	87	234	V
5	16.623	39.69	PK-U	41.8	-21.1	0	60.39	-	-	-	-	68.2	-7.81	251	203	H
6	16.623	38.82	PK-U	41.8	-21.1	0	59.52	-	-	-	-	68.2	-8.68	137	192	V

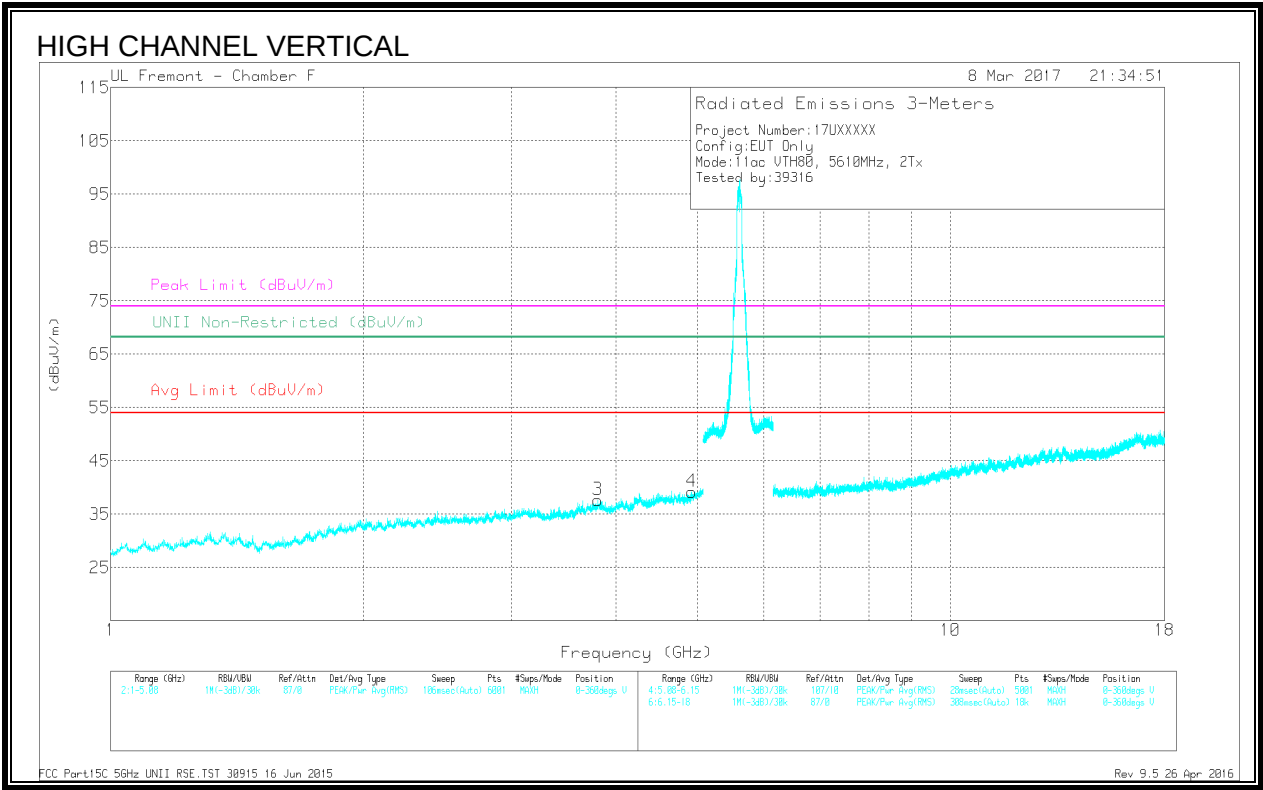
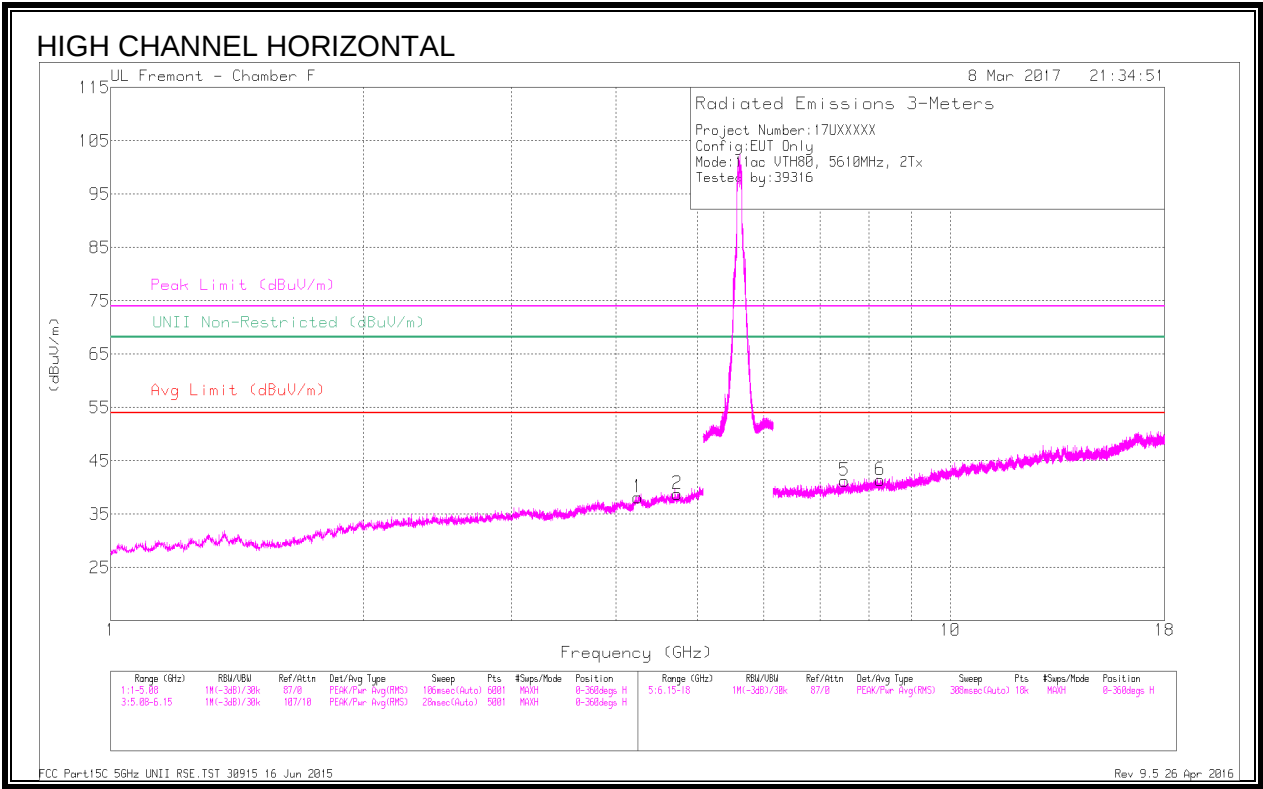
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

UNII_5.6_HARM_11ac VHT80 5530MHz 2Tx Q88.DAT 30915 16 Jun 2015

Rev 9.5 26 Apr 2016



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Ftr/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	* 4.249	38.91	PK-U	33.7	-26.8	0	45.81	-	-	74	-28.19	-	-	278	299	H
	* 4.248	27.04	ADR	33.7	-26.8	.19	34.13	54	-19.87	-	-	-	-	278	299	H
2	* 4.731	39.58	PK-U	34.1	-27.6	0	46.08	-	-	74	-27.92	-	-	266	283	H
	* 4.731	28.42	ADR	34.1	-27.6	.19	35.11	54	-18.89	-	-	-	-	266	283	H
3	* 3.805	39.64	PK-U	33.4	-29.1	0	43.94	-	-	74	-30.06	-	-	213	187	V
	* 3.805	29.05	ADR	33.4	-29.1	.19	33.54	54	-20.46	-	-	-	-	213	187	V
4	* 4.923	38.94	PK-U	34.1	-26.9	0	46.14	-	-	74	-27.86	-	-	117	316	V
	* 4.923	28.3	ADR	34.1	-26.9	.19	35.69	54	-18.31	-	-	-	-	117	316	V
5	* 7.487	37.31	PK-U	35.6	-25.1	0	47.81	-	-	74	-26.19	-	-	133	279	H
	* 7.486	26.67	ADR	35.6	-25.1	.19	37.36	54	-16.64	-	-	-	-	133	279	H
6	* 8.25	37.16	PK-U	35.7	-24.1	0	48.76	-	-	74	-25.24	-	-	148	171	H
	* 8.25	26.2	ADR	35.7	-24.1	.19	37.99	54	-16.01	-	-	-	-	148	171	H

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

PK-U - U-NII: Maximum Peak

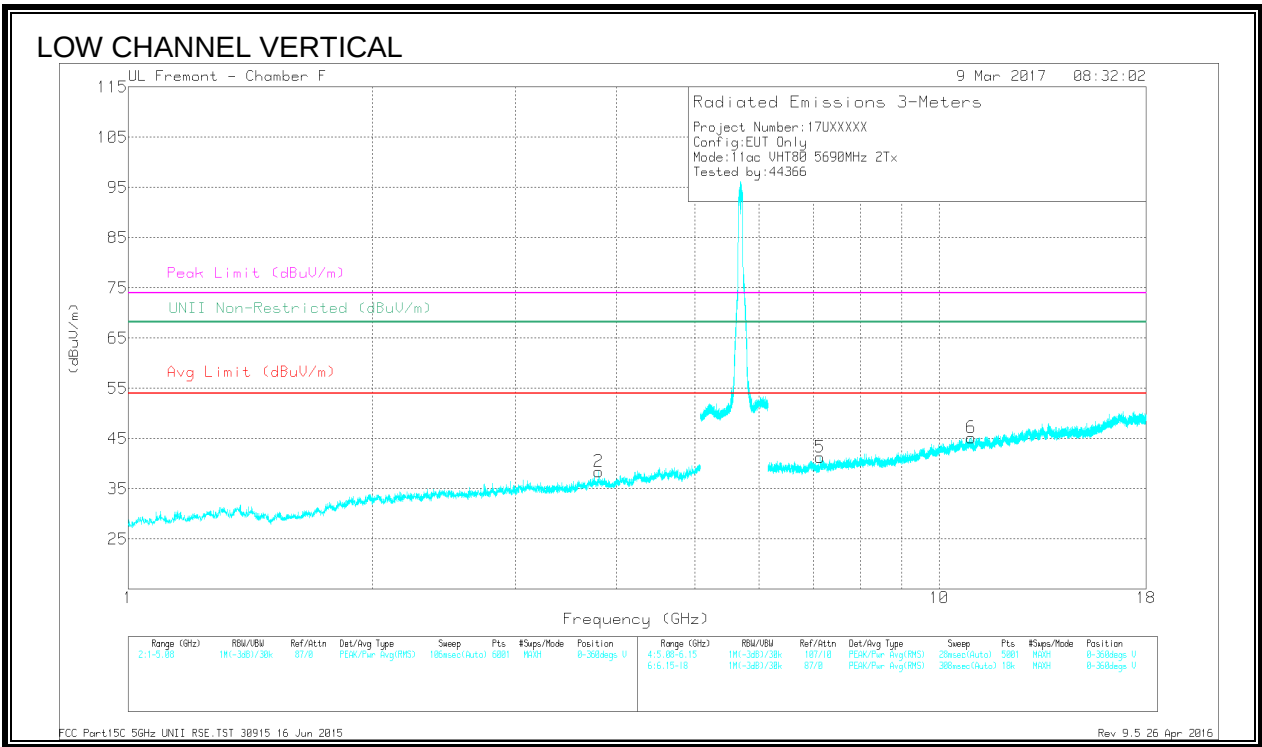
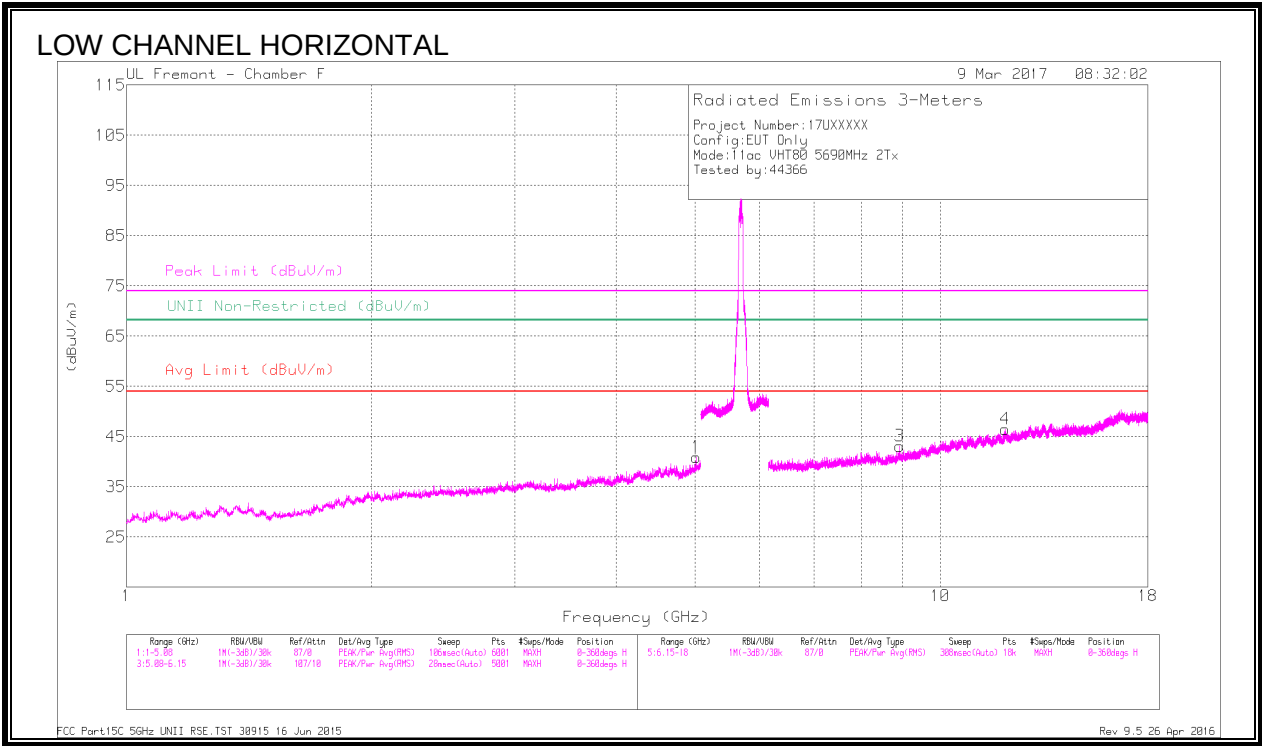
ADR - U-NII AD primary method, RMS average

FCC Part15C 5GHz UNII RSE.TST 30915 16 Jun 2015

Rev 9.5 26 Apr 2016

9.1.37. 11ac HT80 2TX CDD MIMO STRADDLE CHANNEL 138

HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (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	* 5.015	38.16	PK-U	34.2	-26.5	0	45.86	-	-	74	-28.14	-	-	157	159	H
	* 5.015	27.3	ADR	34.2	-26.5	.19	35.19	54	-18.81	-	-	-	-	157	159	H
2	* 3.807	39.72	PK-U	33.4	-29	0	44.12	-	-	74	-29.88	-	-	3	363	V
	* 3.803	28.39	ADR	33.4	-29.1	.19	32.88	54	-21.12	-	-	-	-	3	363	V
3	8.91	35.48	PK-U	35.9	-23.1	0	48.28	-	-	-	-	68.2	-19.92	166	272	H
4	* 12.026	35.29	PK-U	38.8	-21.6	0	52.49	-	-	74	-21.51	-	-	18	303	H
	* 12.027	24.37	ADR	38.8	-21.6	.19	41.76	54	-12.24	-	-	-	-	18	303	H
5	7.135	37.05	PK-U	35.6	-26.3	0	46.35	-	-	-	-	68.2	-21.85	293	238	V
6	* 10.958	34.89	PK-U	37.9	-21.8	0	50.99	-	-	74	-23.01	-	-	129	148	V
	* 10.958	24.24	ADR	37.9	-21.8	.19	40.53	54	-13.47	-	-	-	-	129	148	V

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

PK-U - U-NII: Maximum Peak

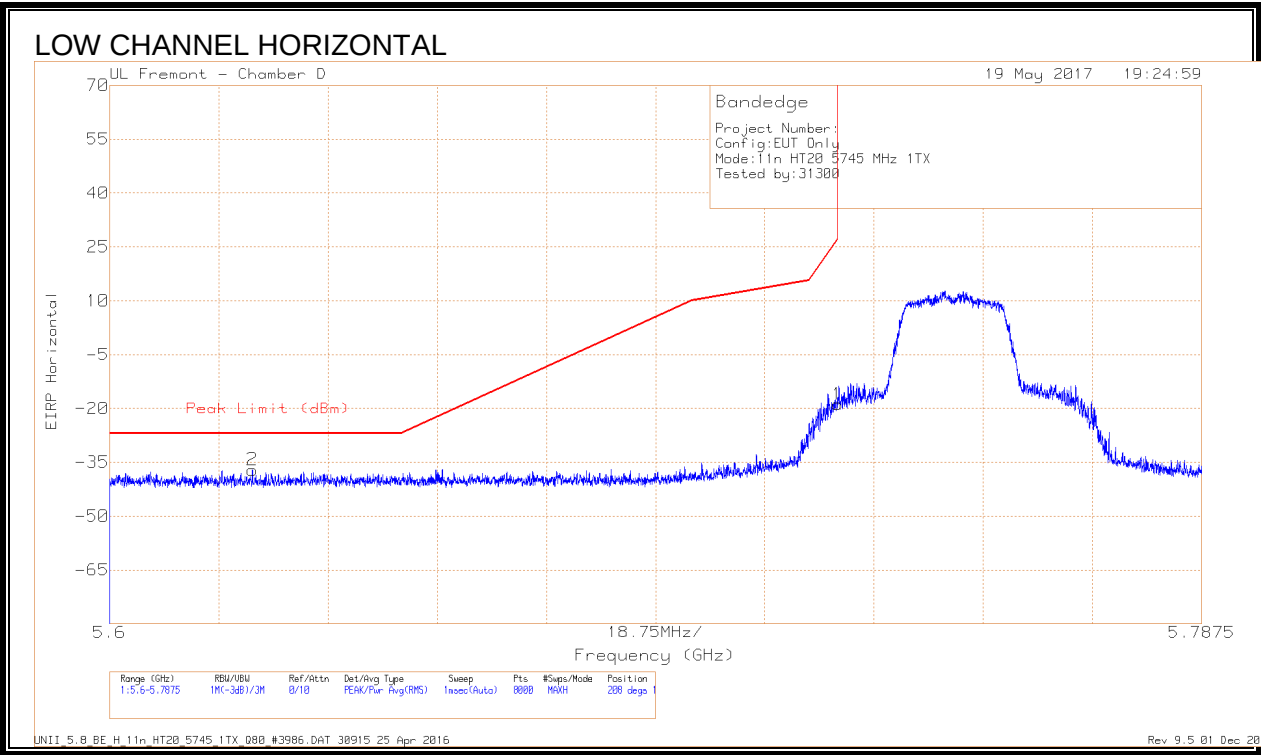
ADR - U-NII AD primary method, RMS average

FCC Part15C 5GHz UNII RSE.TST 30915 16 Jun 2015

Rev 9.5 26 Apr 2016

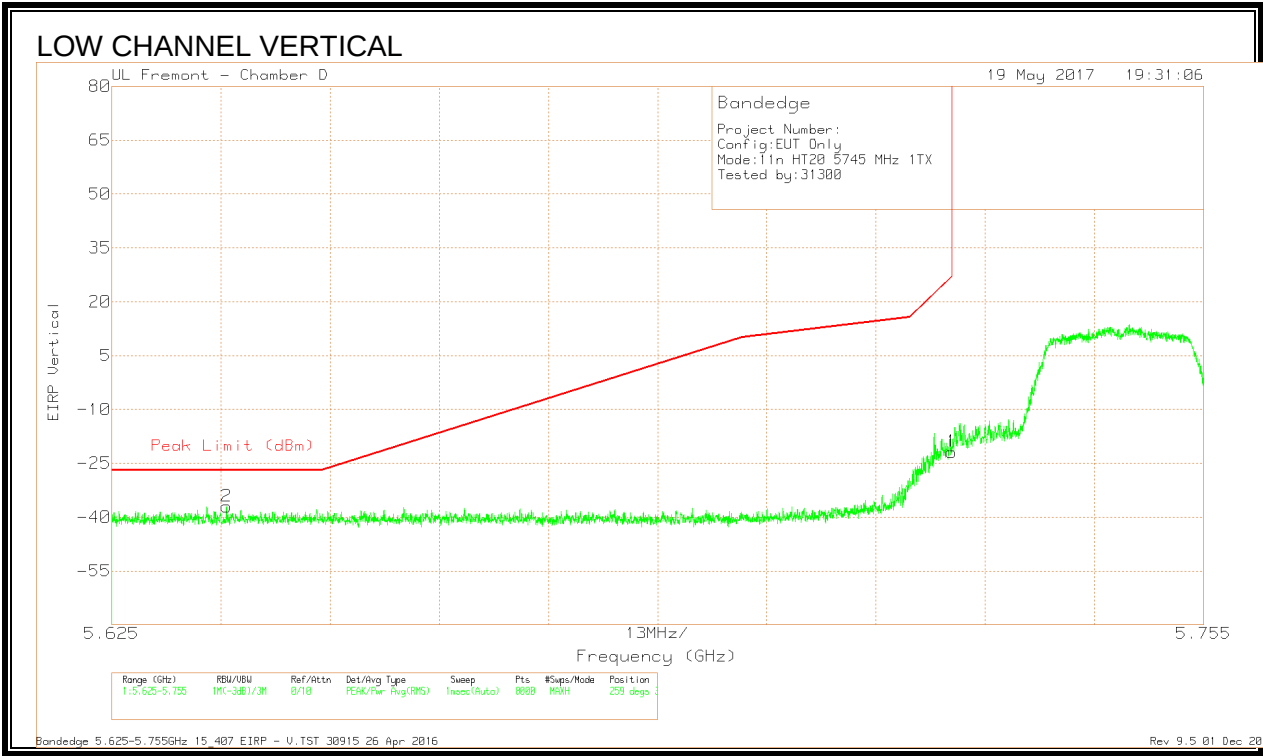
9.1.38. 11n HT20 UAT 2 SISO MODE IN THE 5.8GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



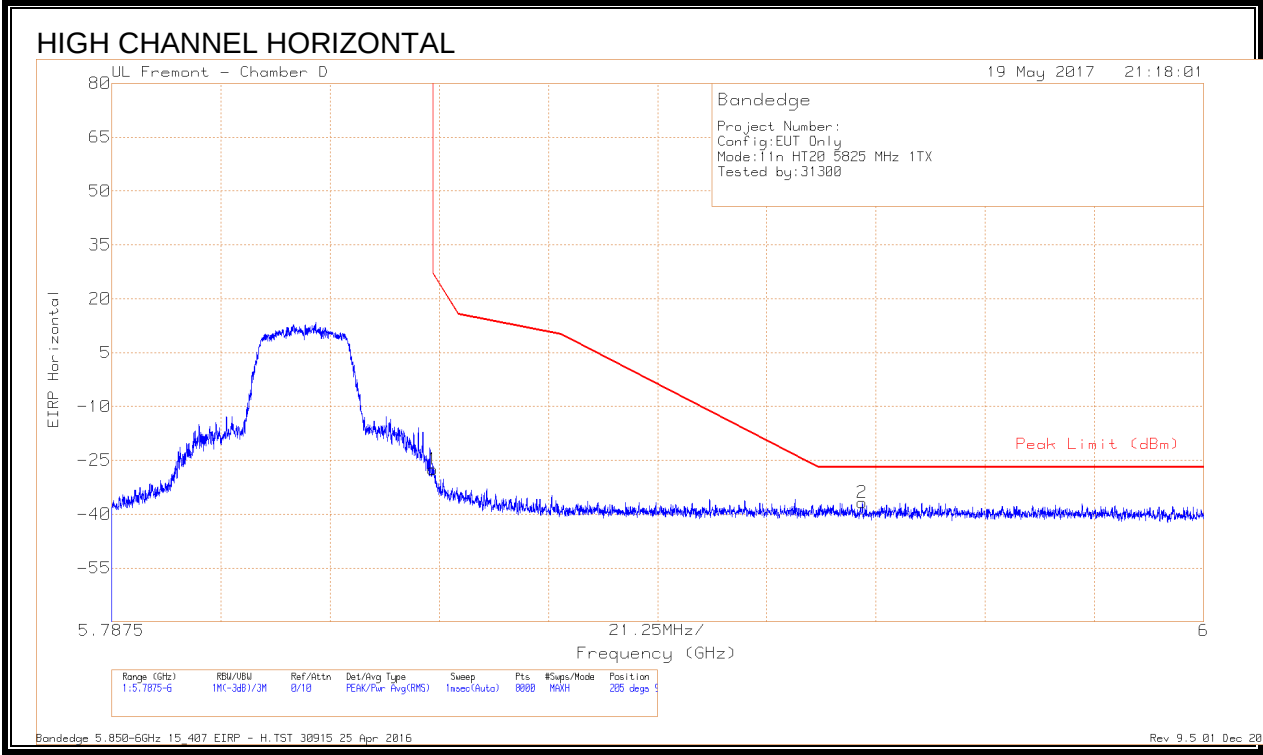
Marker	Frequen cy (GHz)	Meter Reading (dBm)	Det	AF T120 (dB/m)	Amp/Cbl /Filtr/Pa d (dB)	Conversi on Factor (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.625	-65.8	Pk	34.6	-17.7	11.8	-37.1	-27	-10.1	208	142	H
1	5.725	-47.81	Pk	34.6	-17.5	11.8	-18.91	26.96	-45.87	208	142	H

Pk - Peak detector
UNII_5.8_BE_H_11n_HT20_5745_1TX_Q80_#3986.DAT 30915 25 Apr 2016
Rev 9.5 01 Dec 2016



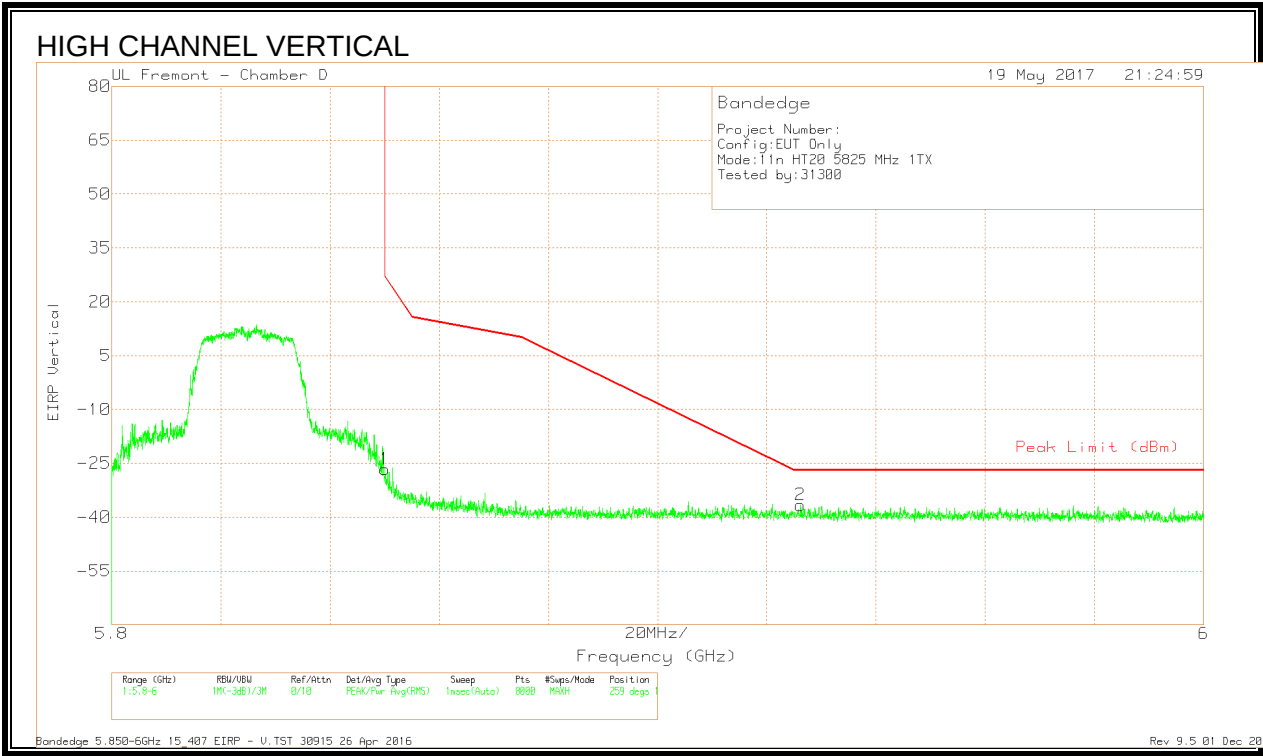
Marker	Frequen cy (GHz)	Meter Reading (dBm)	Det	AF T120 (dB/m)	Amp/Cbl /Filtr/Pa d (dB)	Conversi on Factor (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.639	-65.92	Pk	34.6	-17.5	11.8	-37.02	-27	-10.02	259	396	V
1	5.725	-50.72	Pk	34.6	-17.5	11.8	-21.82	27	-48.82	259	396	V

Pk - Peak detector
Bandedge 5.625-5.755GHz 15_407 EIRP - V.TST 30915 26 Apr 2016
Rev 9.5 01 Dec 2016



Marker	Frequen cy (GHz)	Meter Reading (dBm)	Det	AF T120 (dB/m)	Amp/Cbl /Filtr/Pa d (dB)	Conversi on Factor (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-56.82	Pk	35	-17.5	11.8	-27.52	26.98	-54.5	205	98	H
2	5.934	-66.33	Pk	35	-17.3	11.8	-36.83	-27	-9.83	205	98	H

Pk - Peak detector
Bandedge 5.850-6GHz 15_407 EIRP - H.TST 30915 25 Apr 2016
Rev 9.5 01 Dec 2016

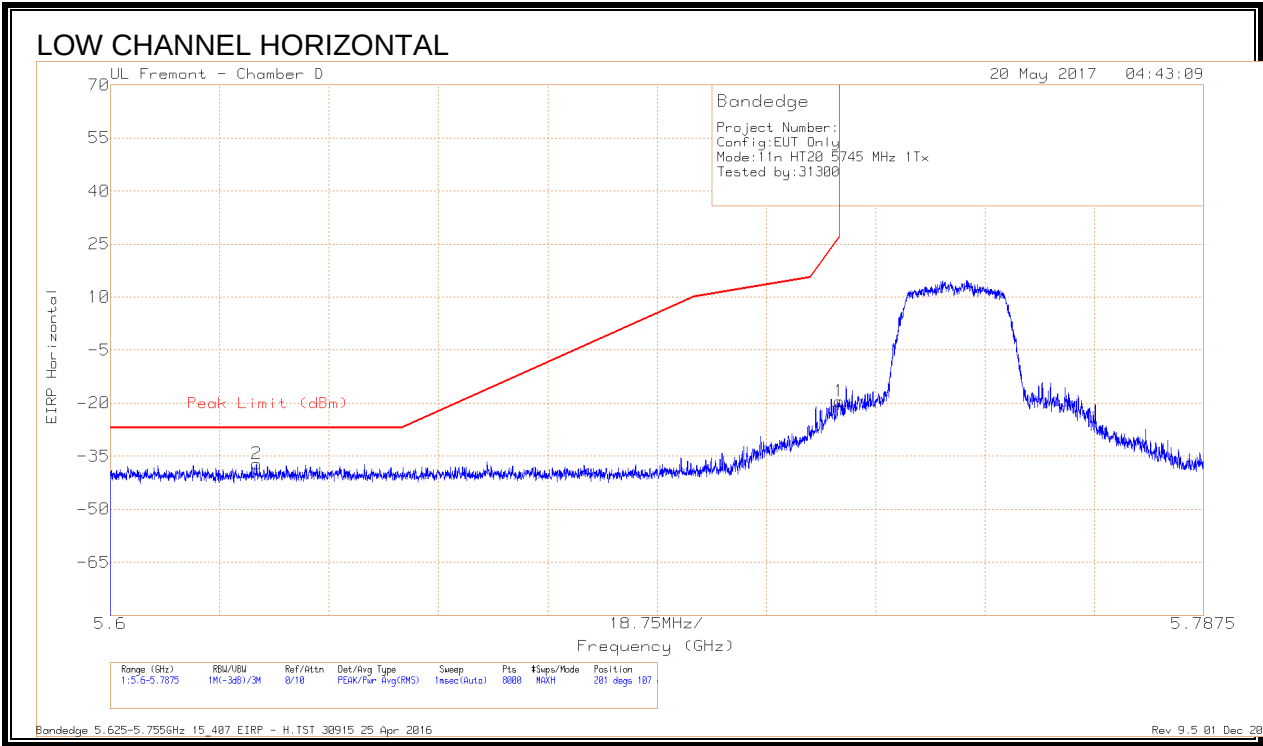


HARMONICS AND SPURIOUS EMISSIONS

Noted: Covered by 802.11n HT20 2Tx (UAT 2 + LAT 3) CDD MODE IN THE 5.8 GHz BAND

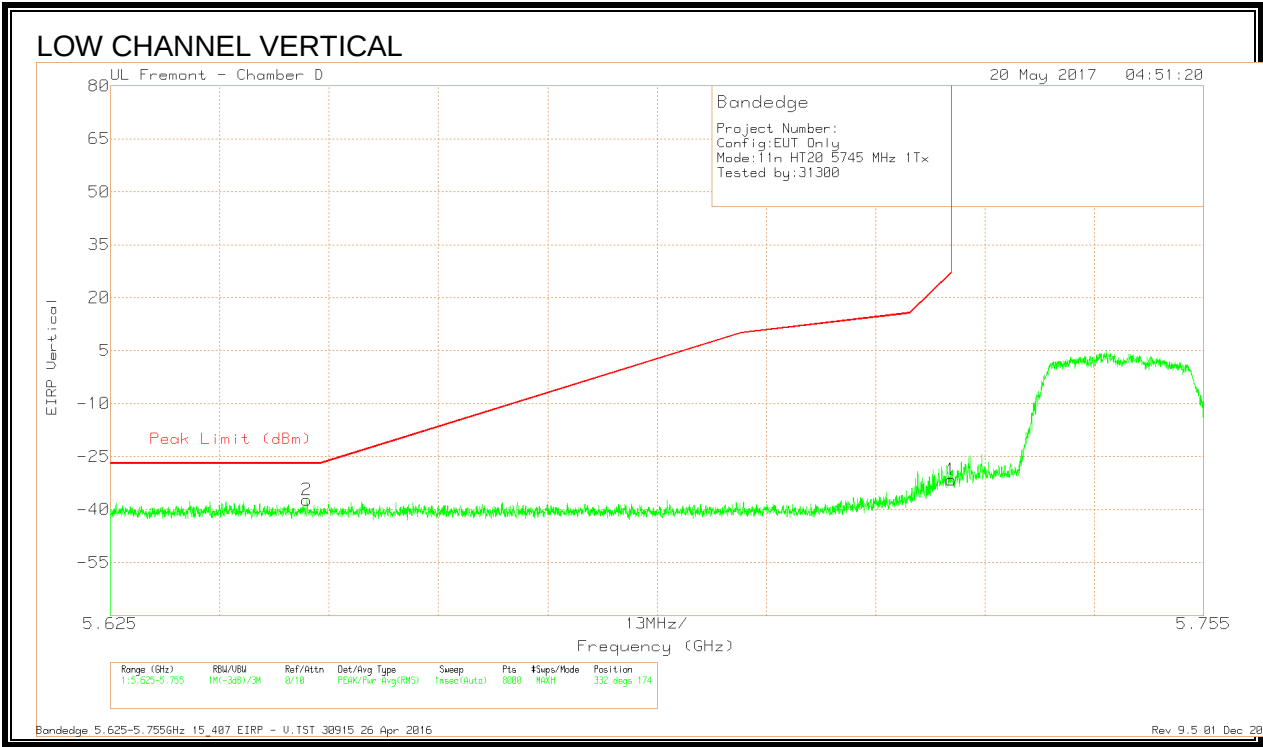
9.1.39. 11n HT20 LAT 3 SISO MODE IN THE 5.8GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



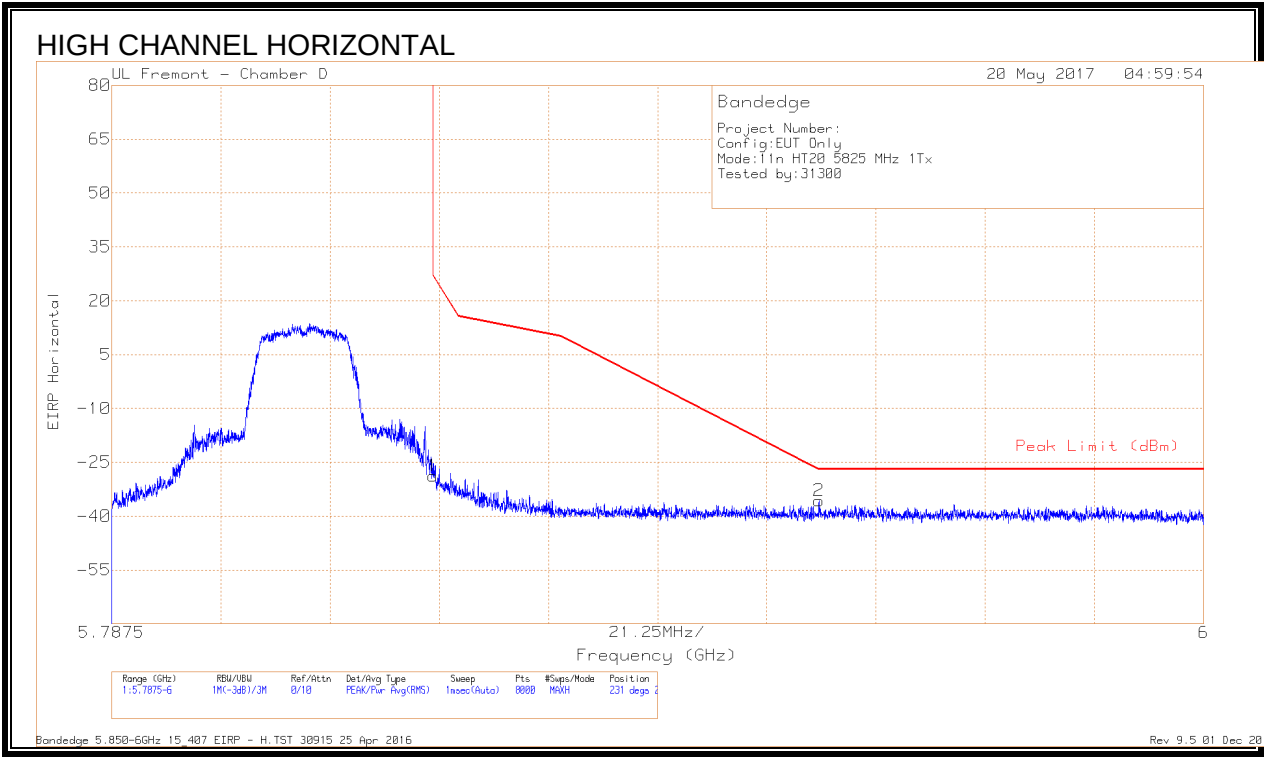
Marker	Frequen cy (GHz)	Meter Reading (dBm)	Det	AF T120 (dB/m)	Amp/Cbl /Filtr/Pa d (dB)	Conversi on Factor (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.625	-65.87	Pk	34.6	-17.7	11.8	-37.17	-27	-10.17	201	107	H
1	5.725	-48.38	Pk	34.6	-17.5	11.8	-19.48	26.96	-46.44	201	107	H

Pk - Peak detector
Bandedge 5.625-5.755GHz 15_407 EIRP - H.TST 30915 25 Apr 2016
Rev 9.5 01 Dec 2016



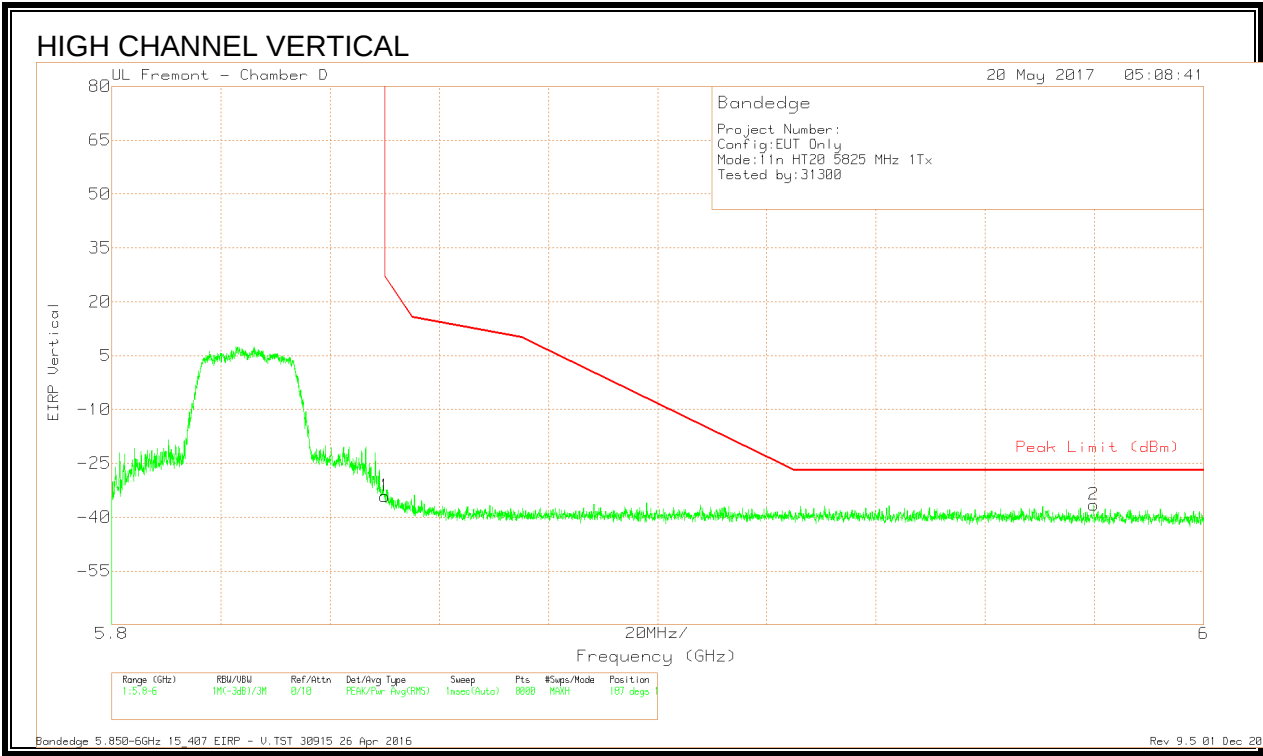
Marker	Frequen cy (GHz)	Meter Reading (dBm)	Det	AF T120 (dB/m)	Amp/Cbl /Filtr/Pa d (dB)	Conversi on Factor (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.648	-66.15	Pk	34.6	-17.5	11.8	-37.25	-27	-10.25	332	174	V
1	5.725	-60.53	Pk	34.6	-17.5	11.8	-31.63	27	-58.63	332	174	V

Pk - Peak detector
Bandedge 5.625-5.755GHz 15_407 EIRP - V.TST 30915 26 Apr 2016
Rev 9.5 01 Dec 2016



Marker	Frequen cy (GHz)	Meter Reading (dBm)	Det	AF T120 (dB/m)	Amp/Cbl /Filtr/Pa d (dB)	Conversi on Factor (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-58.1	Pk	35	-17.5	11.8	-28.8	26.98	-55.78	231	212	H
2	5.925	-65.09	Pk	35	-17.4	11.8	-35.69	-27	-8.69	231	212	H

Pk - Peak detector
Bandedge 5.850-6GHz 15_407 EIRP - H.TST 30915 25 Apr 2016
Rev 9.5 01 Dec 2016



Marker	Frequen cy (GHz)	Meter Reading (dBm)	Det	AF T120 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	Conversi on Factor (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-63.44	Pk	35	-17.5	11.8	-34.14	26.99	-61.13	187	189	V
2	5.98	-66.01	Pk	35.1	-17.4	11.8	-36.51	-27	-9.51	187	189	V

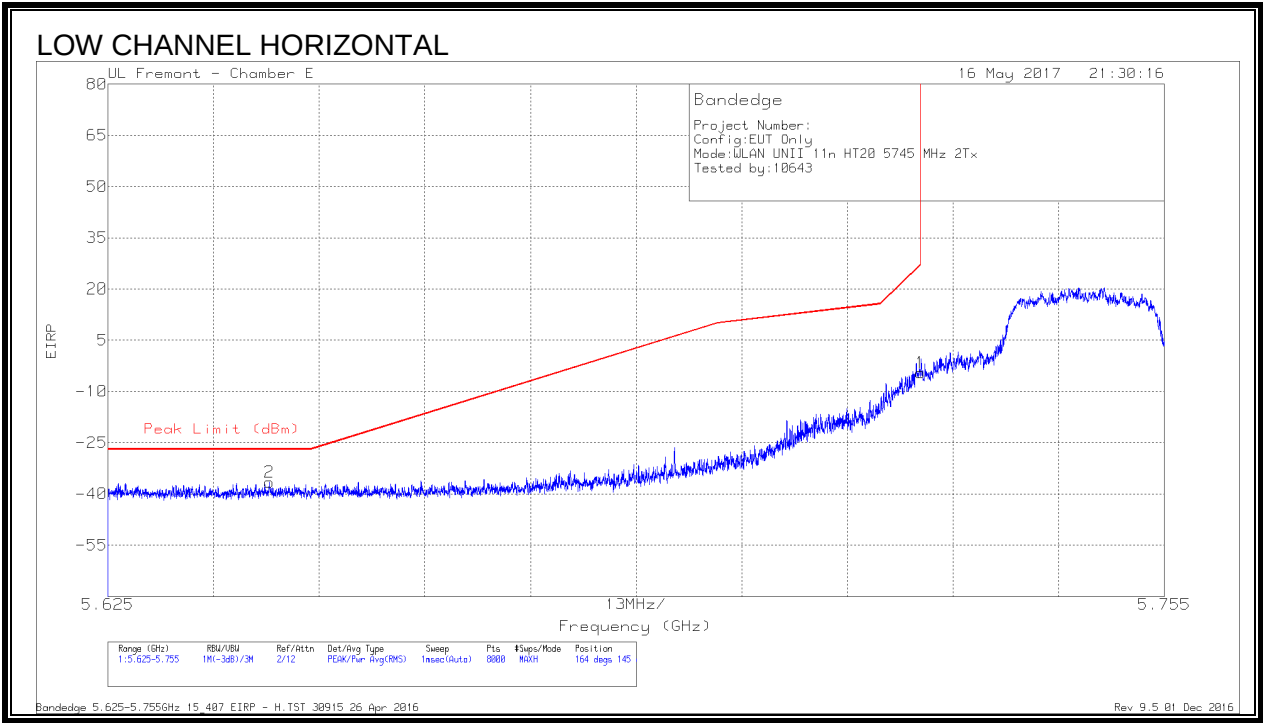
Pk - Peak detector
Bandedge 5.850-6GHz 15_407 EIRP - V.TST 30915 26 Apr 2016
Rev 9.5 01 Dec 2016

HARMONICS AND SPURIOUS EMISSIONS

Noted: Covered by 802.11n HT20 2Tx (UAT 2 + LAT 3) CDD MODE IN THE 5.8 GHz BAND

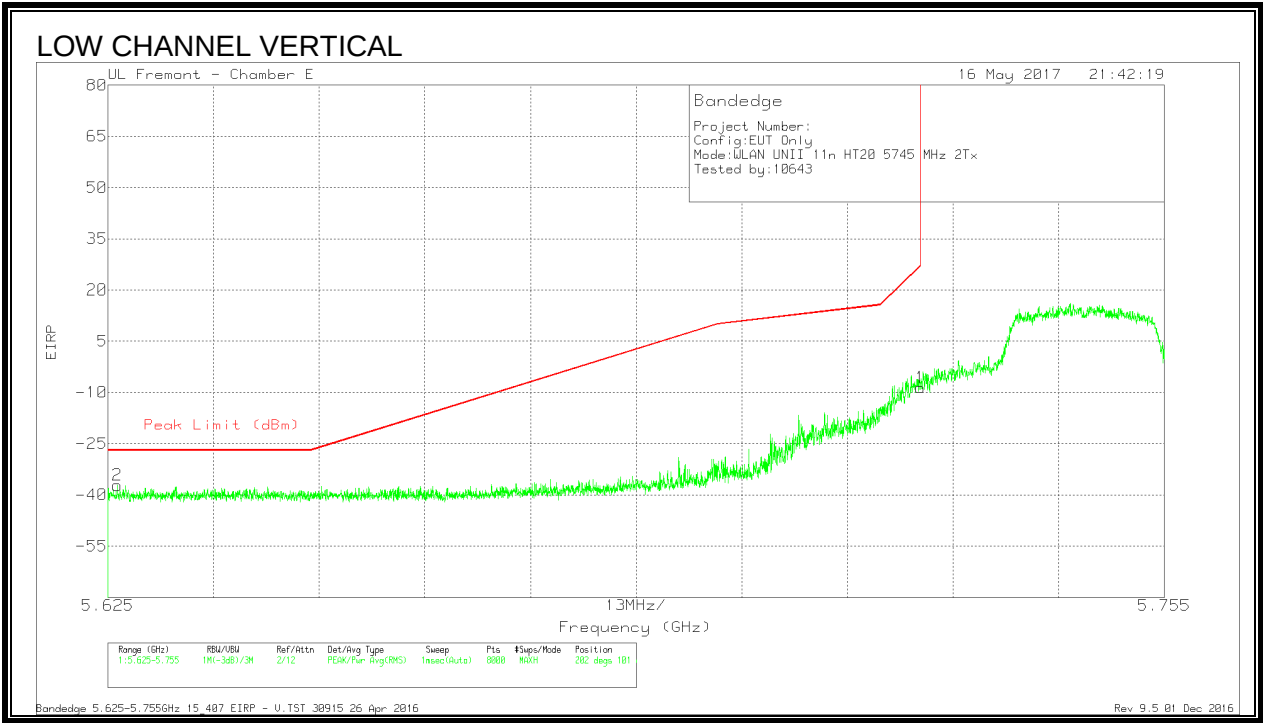
9.1.40. 11n HT20 2TX CDD MIMO MODE IN THE 5.8GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequen cy (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Amp/Cb l/Filtr/P ad (dB)	Convers ion Factor (dB)	Correct ed Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-31.57	Pk	34.9	-19.6	11.8	-4.47	27	-31.47	164	145	H
2	5.645	-63.82	Pk	34.9	-19.5	11.8	-36.62	-27	-9.62	164	145	H

Pk - Peak detector
Bandedge 5.625-5.755GHz 15_407 EIRP - H.TST 30915 26 Apr 2016
Rev 9.5 01 Dec 2016

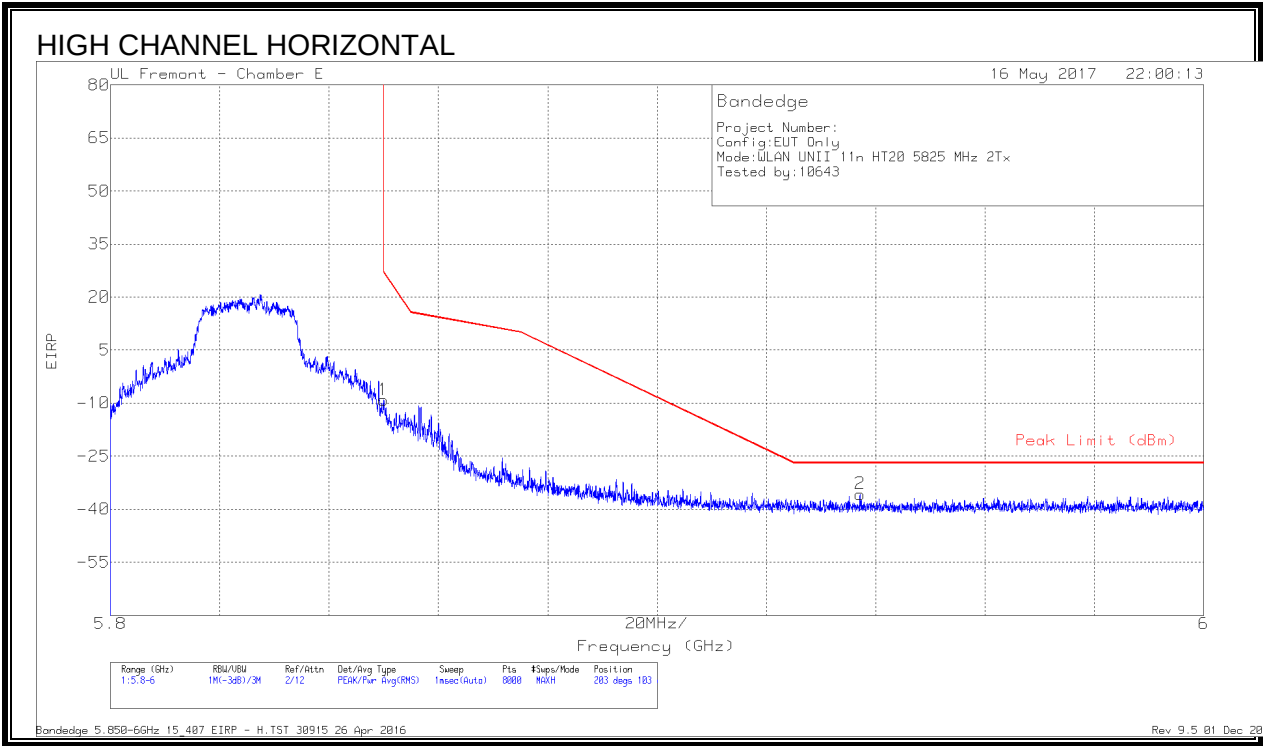


Marker	Frequenc y (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	Conversio n Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-35.74	Pk	34.9	-19.6	11.8	-8.64	27	-35.64	202	101	V
2	5.626	-64.4	Pk	34.9	-19.5	11.8	-37.2	-27	-10.2	202	101	V

Pk - Peak detector

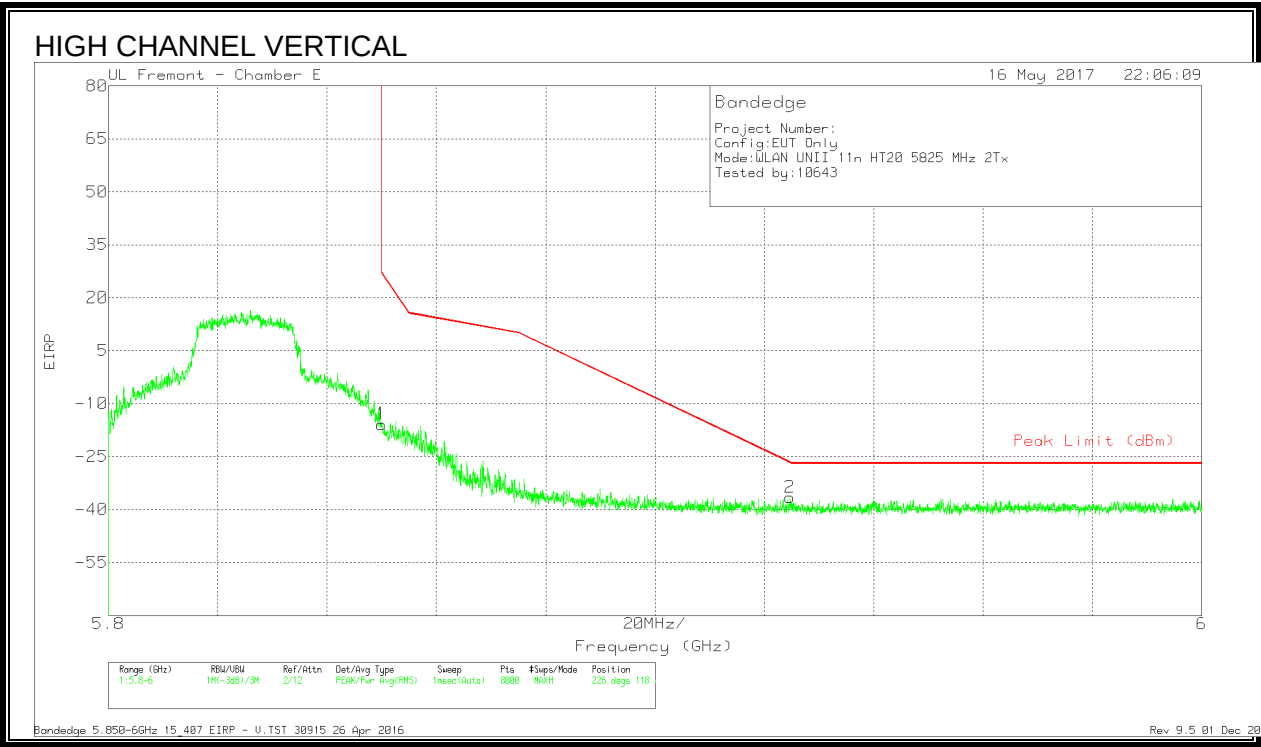
Bandedge 5.625-5.755GHz 15_407 EIRP - V.TST 30915 26 Apr 2016

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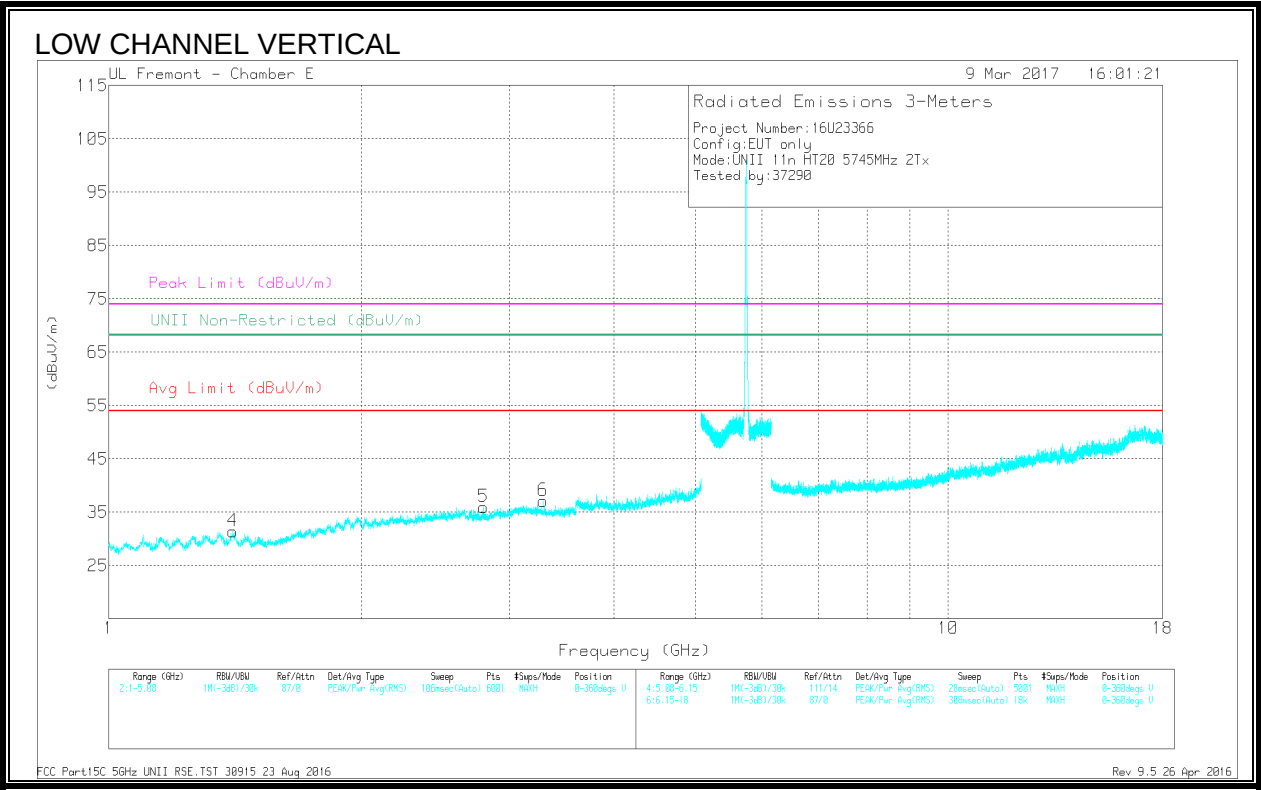
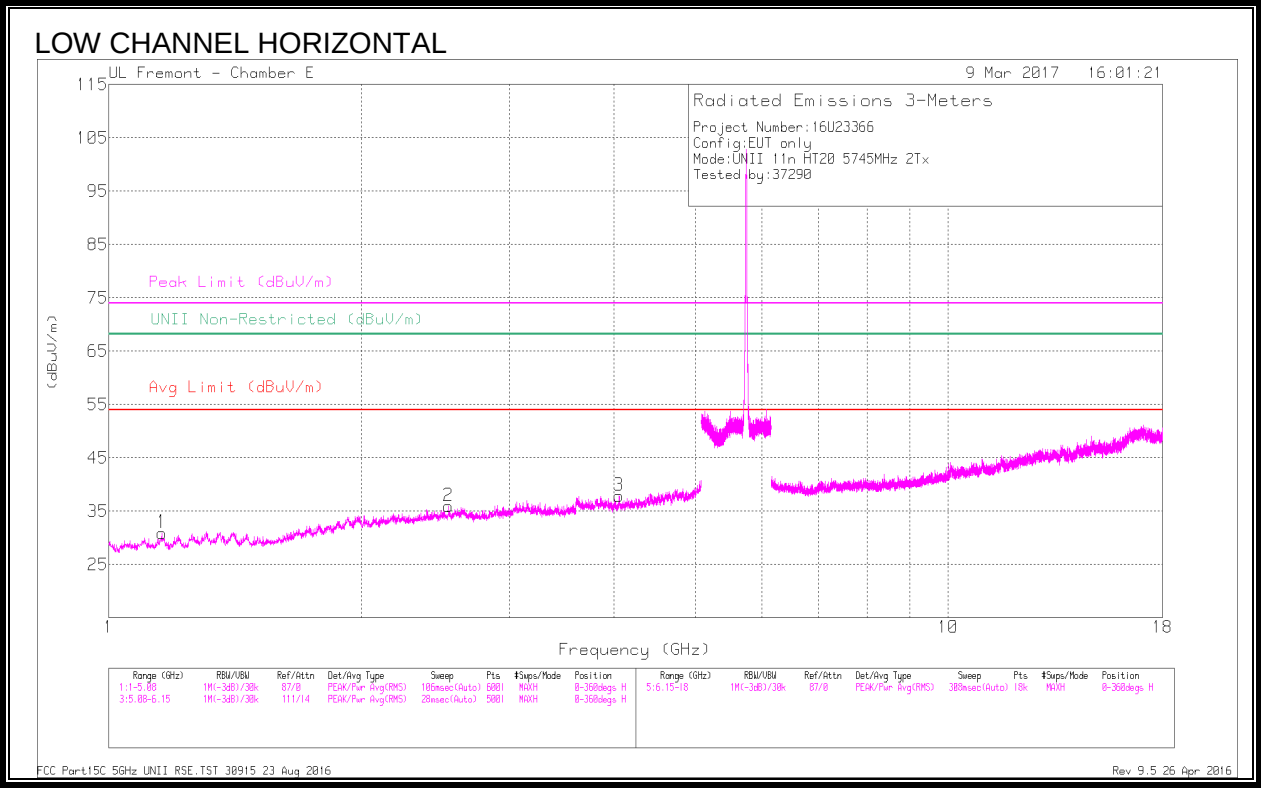
Marker	Frequen cy (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Amp/Cbl /Filtr/Pa d (dB)	Conversi on Factor (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-36.93	Pk	35.5	-19.5	11.8	-9.13	26.99	-36.12	203	103	H
2	5.937	-63.93	Pk	35.6	-19.2	11.8	-35.73	-27	-8.73	203	103	H

Pk - Peak detector
Bandedge 5.850-6GHz 15_407 EIRP - H.TST 30915 26 Apr 2016
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Marker	Frequen cy (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Amp/Cbl /Filtr/Pa d (dB)	Conversi on Factor (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-43.64	Pk	35.5	-19.5	11.8	-15.84	26.99	-42.83	226	118	V
2	5.925	-64.77	Pk	35.6	-19.2	11.8	-36.57	-26.77	-9.8	226	118	V

Pk - Peak detector
Bandedge 5.850-6GHz 15_407 EIRP - V.TST 30915 26 Apr 2016
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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	* 1.158	45.3	PK-U	28	-35.4	37.9	-	-	74	-36.1	-	-	360	200	H
	* 1.156	34.65	ADR	28	-35.3	27.35	54	-26.65	-	-	-	-	360	200	H
3	* 4.054	40.08	PK-U	33.4	-29.7	43.78	-	-	74	-30.22	-	-	360	101	H
	* 4.054	29.96	ADR	33.4	-29.7	33.66	54	-20.34	-	-	-	-	360	101	H
4	* 1.404	44.73	PK-U	28.6	-34.4	38.93	-	-	74	-35.07	-	-	360	200	V
	* 1.407	33.68	ADR	28.6	-34.5	27.78	54	-26.22	-	-	-	-	360	200	V
5	* 2.794	42.17	PK-U	32.2	-32	42.37	-	-	74	-31.63	-	-	360	101	V
	* 2.794	31.07	ADR	32.2	-32	31.27	54	-22.73	-	-	-	-	360	101	V
2	2.54	42.29	PK-U	32.6	-32.9	41.99	-	-	-	-	68.2	-26.21	360	200	H
6	3.291	40.78	PK-U	32.8	-30.8	42.78	-	-	-	-	68.2	-25.42	330	200	V

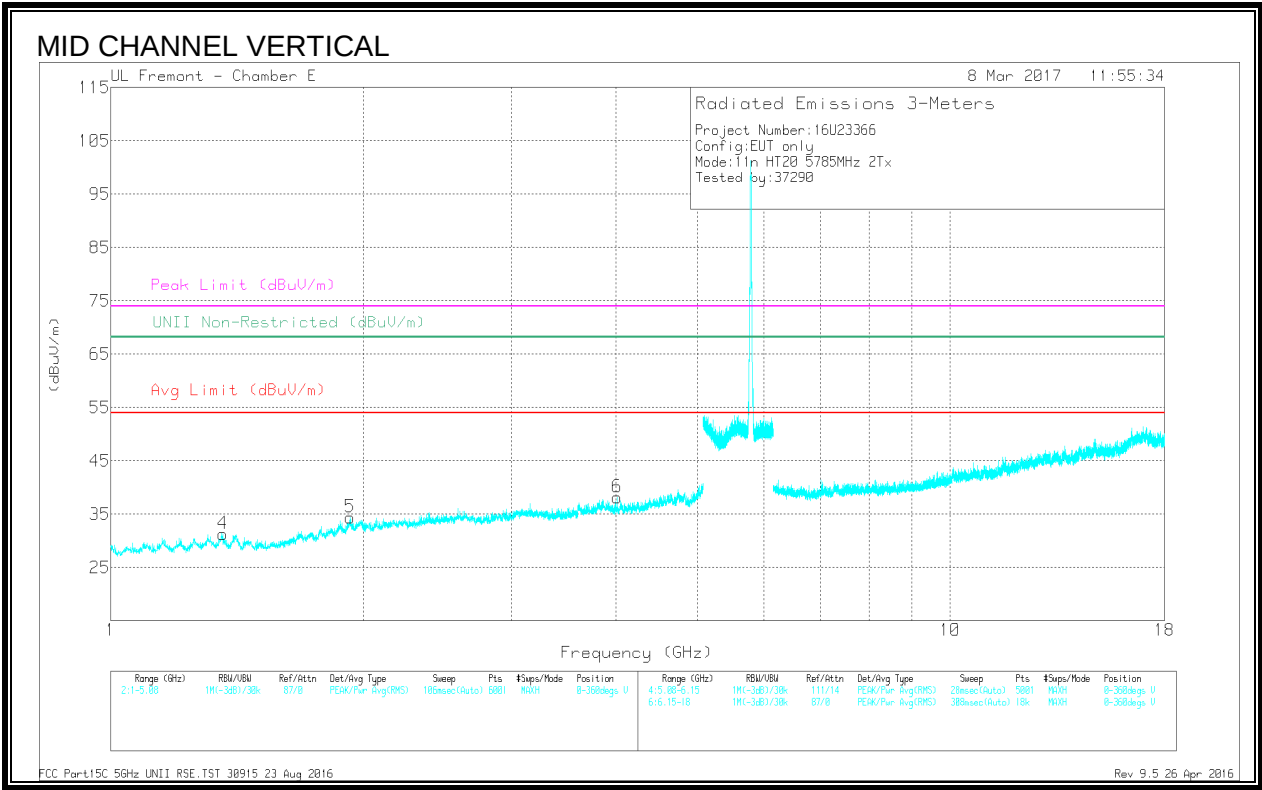
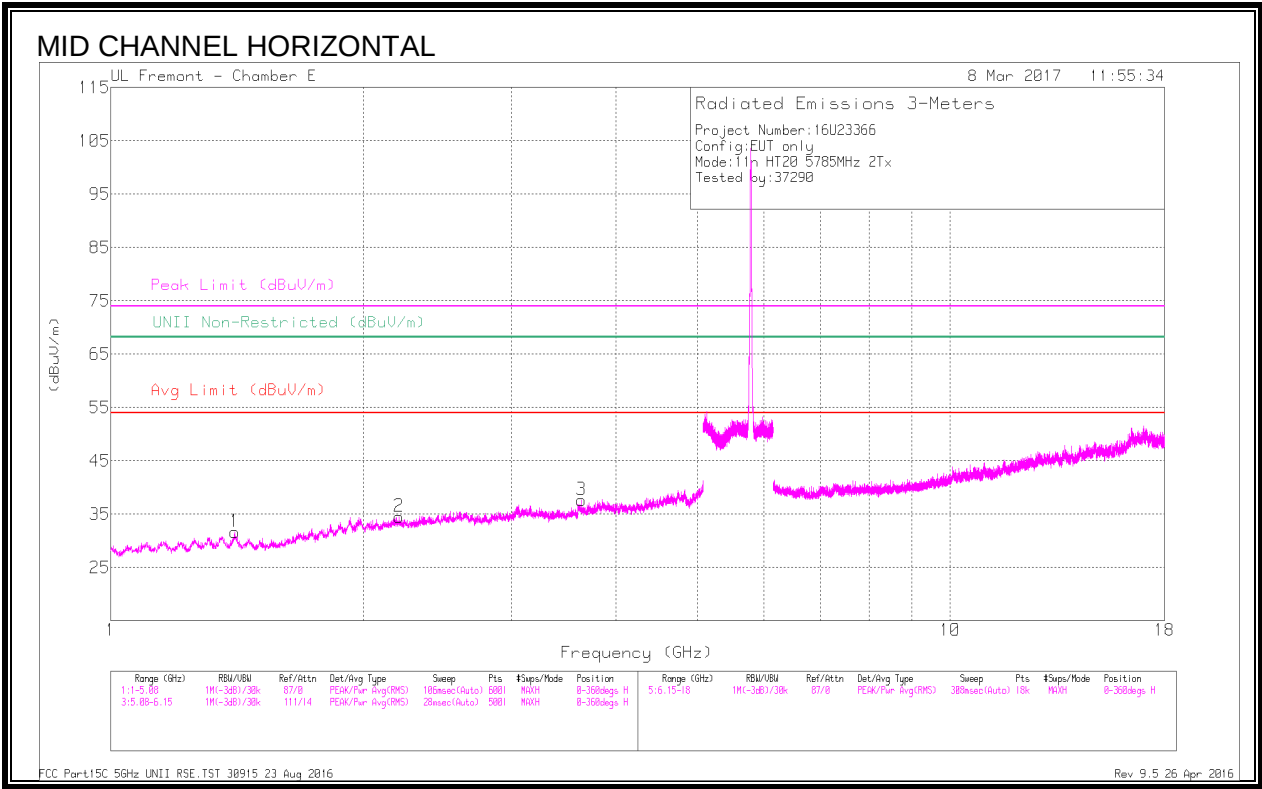
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

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

Rev 9.5 26 Apr 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	* 1.405	44.09	PK-U	28.6	-34.4	38.29	-	-	74	-35.71	-	-	0	200	H
	* 1.403	33.34	ADR	28.6	-34.5	27.44	54	-26.56	-	-	-	-	0	200	H
2	* 2.206	41.97	PK-U	31.6	-32.4	41.17	-	-	74	-32.83	-	-	0	200	H
	* 2.204	31.28	ADR	31.6	-32.5	30.38	54	-23.62	-	-	-	-	0	200	H
3	* 3.638	40.19	PK-U	33.1	-30.7	42.59	-	-	74	-31.41	-	-	0	200	H
	* 3.639	29.69	ADR	33.1	-30.7	32.09	54	-21.91	-	-	-	-	0	200	H
4	* 1.359	44.09	PK-U	28.7	-34.9	37.89	-	-	74	-36.11	-	-	0	200	V
	* 1.357	33.59	ADR	28.7	-34.8	27.49	54	-26.51	-	-	-	-	0	200	V
6	* 4.012	40.13	PK-U	33.3	-29.5	43.93	-	-	74	-30.07	-	-	0	101	V
	* 4.012	29.54	ADR	33.3	-29.5	33.34	54	-20.66	-	-	-	-	0	101	V
5	1.929	42.72	PK-U	31	-32.8	40.92	-	-	-	-	68.2	-27.28	0	101	V

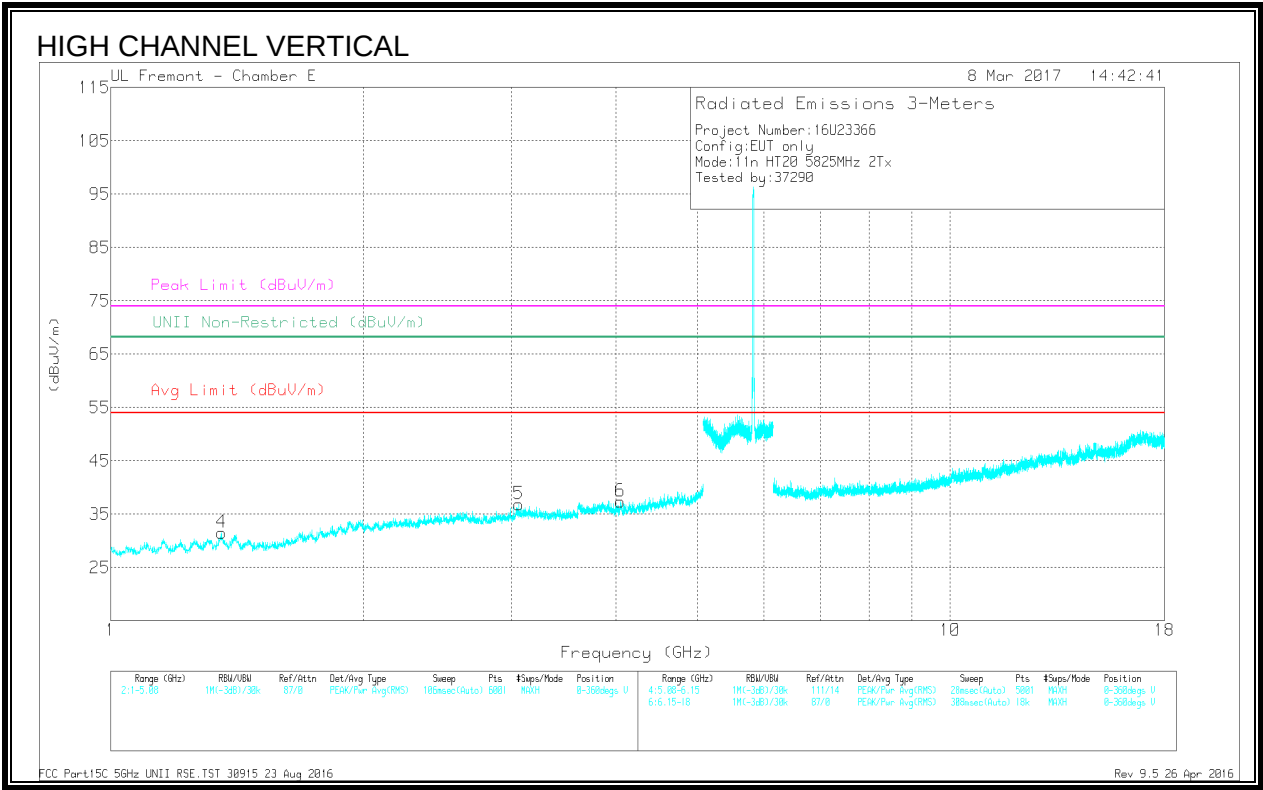
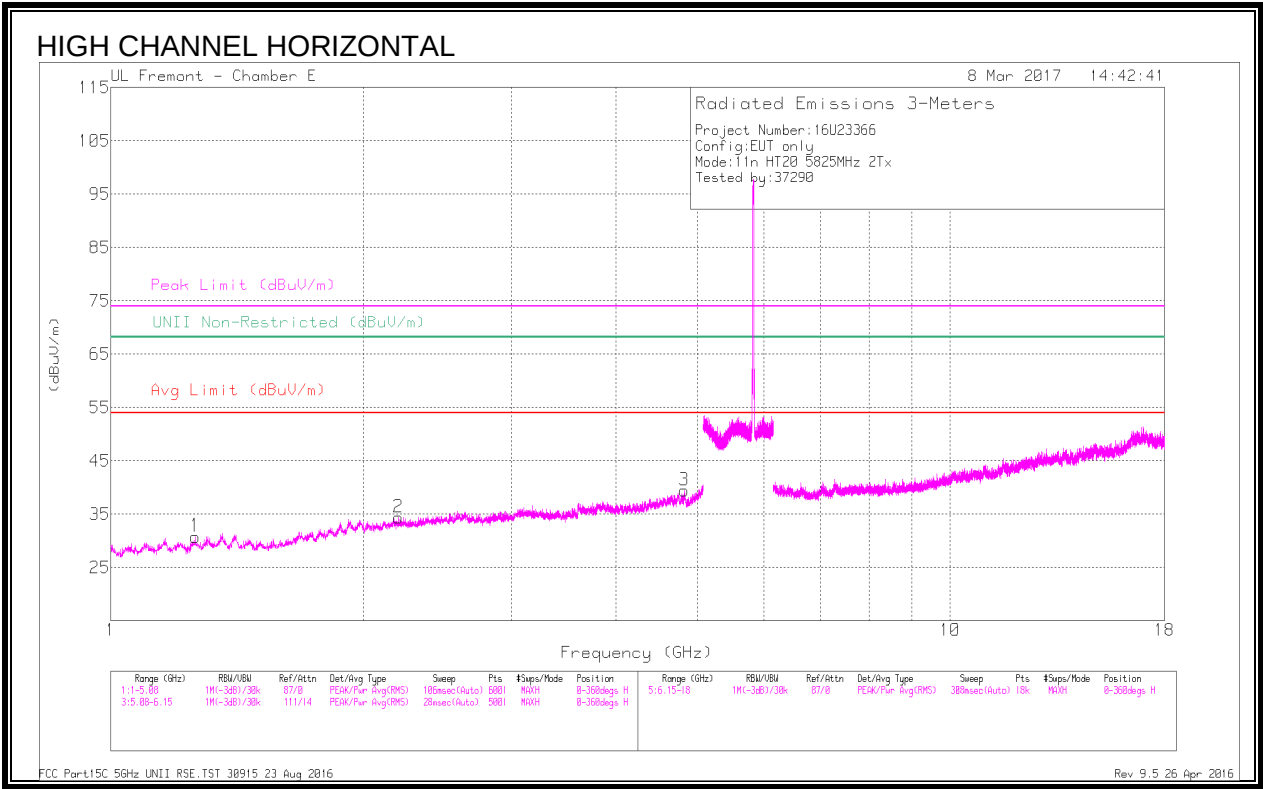
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

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

Rev 9.5 26 Apr 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	* 1.263	44.62	PK-U	28.6	-35.6	37.62	-	-	74	-36.38	-	-	0	200	H
	* 1.261	34.05	ADR	28.6	-35.6	27.05	54	-26.95	-	-	-	-	0	200	H
2	* 2.201	42.26	PK-U	31.6	-32.5	41.36	-	-	74	-32.64	-	-	0	101	H
	* 2.201	31.34	ADR	31.6	-32.5	30.44	54	-23.56	-	-	-	-	0	101	H
3	* 4.825	40.99	PK-U	34.2	-28.8	46.39	-	-	74	-27.61	-	-	0	200	H
	* 4.825	30.26	ADR	34.2	-28.8	35.66	54	-18.34	-	-	-	-	0	200	H
4	* 1.354	44.56	PK-U	28.7	-34.8	38.46	-	-	74	-35.54	-	-	0	200	V
	* 1.355	33.99	ADR	28.7	-34.8	27.89	54	-26.11	-	-	-	-	0	200	V
6	* 4.048	40.59	PK-U	33.4	-29.7	44.29	-	-	74	-29.71	-	-	0	101	V
	* 4.046	29.64	ADR	33.4	-29.7	33.34	54	-20.66	-	-	-	-	0	101	V
5	3.059	40.91	PK-U	32.9	-30.5	43.31	-	-	-	-	68.2	-24.89	0	200	V

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

PK-U - U-NII: Maximum Peak

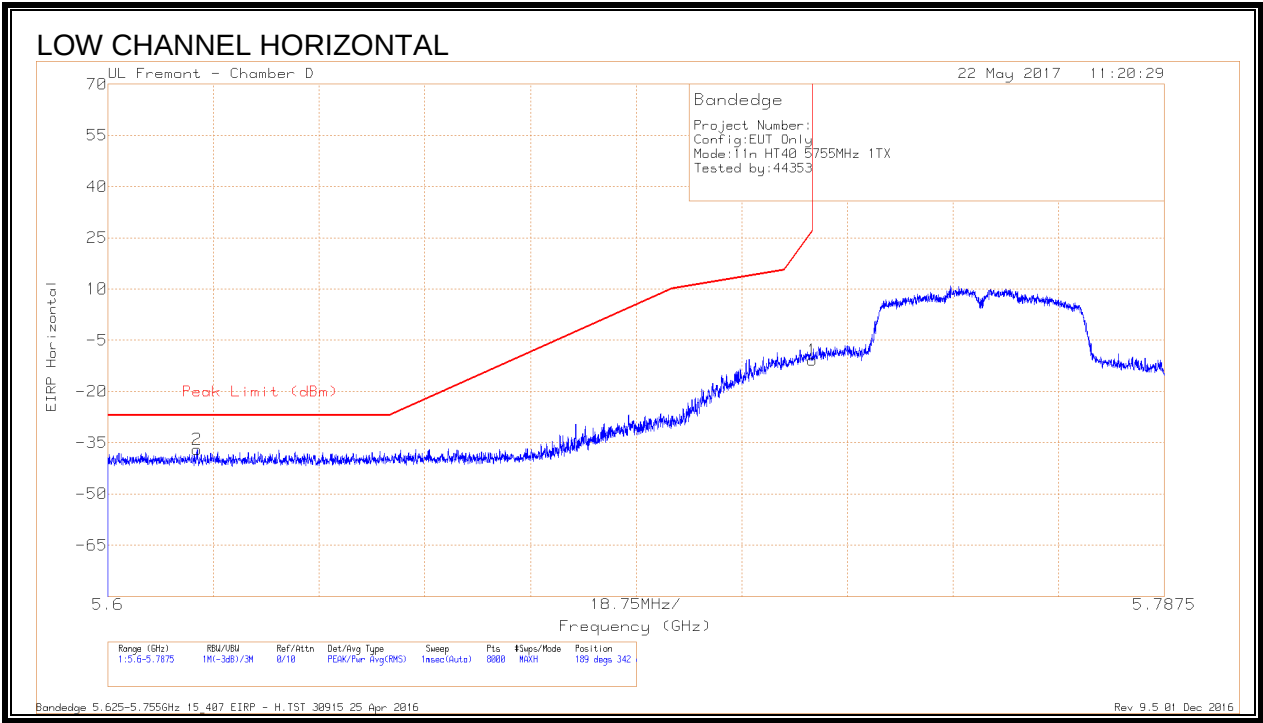
ADR - U-NII AD primary method, RMS average

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

Rev 9.5 26 Apr 2016

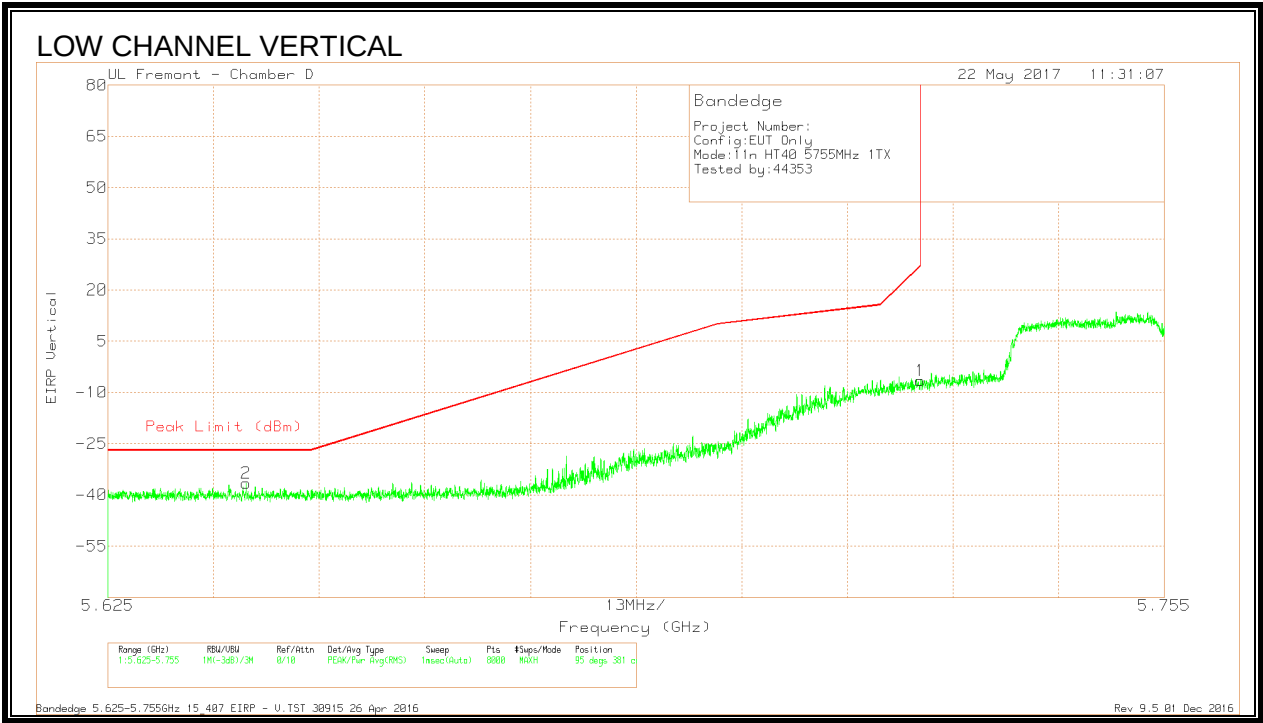
9.1.41. 11n HT40 UAT 2 SISO MODE IN THE 5.8GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



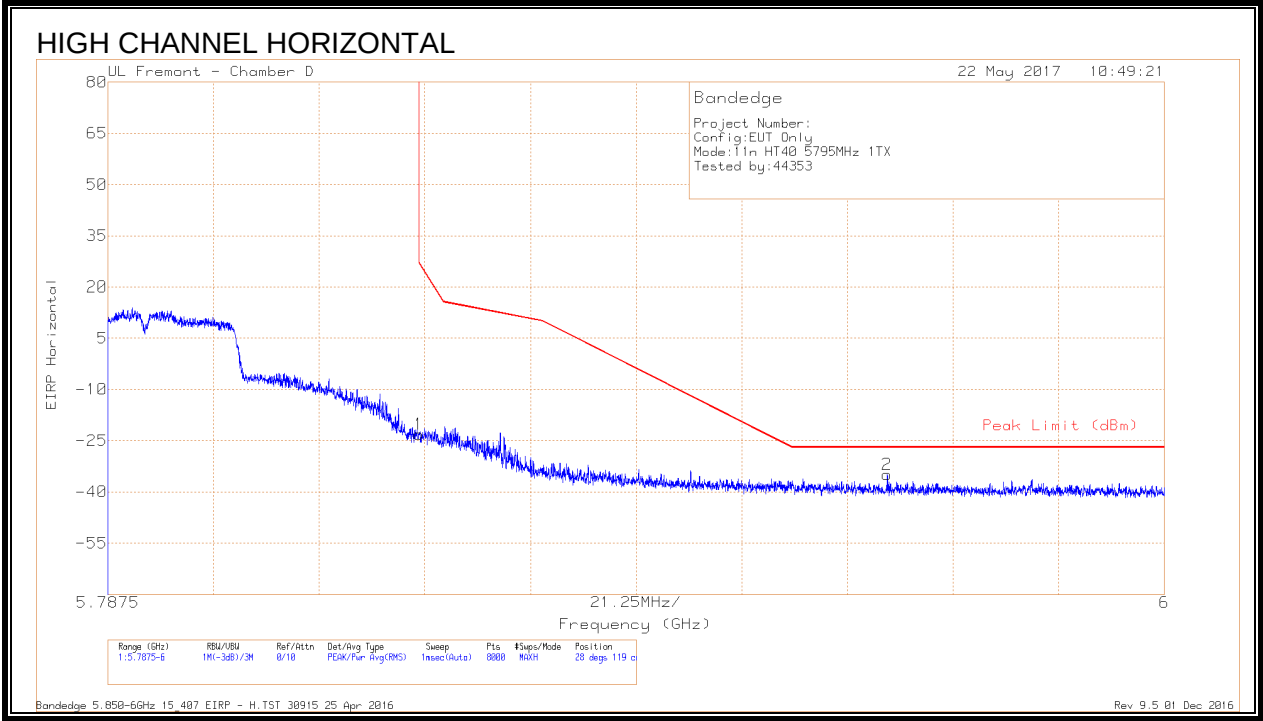
Marker	Frequ ncy (GHz)	Meter Readin g (dBm)	Det	AF T120 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	Conver sion Factor (dB)	DC Corr (dB)	Correct ed Readin g EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimet h (Degs)	Height (cm)	Polarit y
2	5.616	-65.73	Pk	34.6	-17.7	11.8	0	-37.03	-27	-10.03	189	342	H
1	5.725	-39.73	Pk	34.6	-17.5	11.8	0	-10.83	26.96	-37.79	189	342	H

Pk - Peak detector
Bandedge 5.625-5.755GHz 15_407 EIRP - H.TST 30915 25 Apr 2016
Rev 9.5 01 Dec 2016



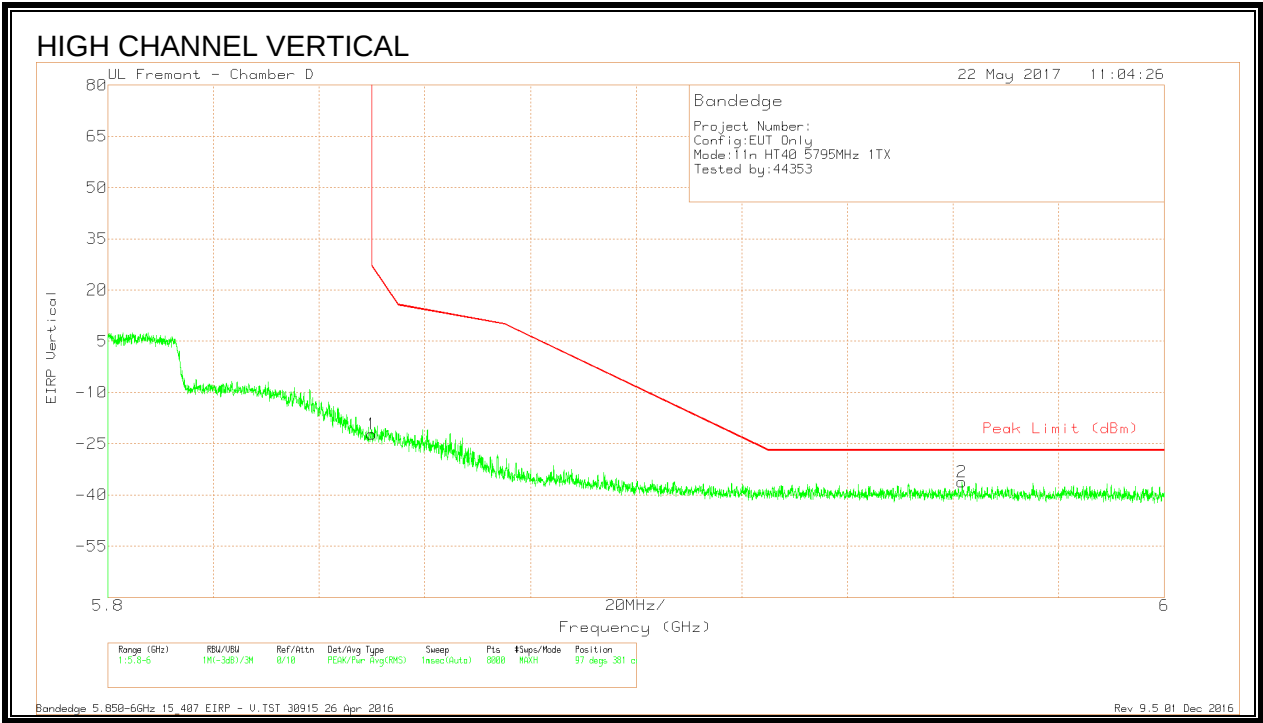
Marker	Frequ ncy (GHz)	Meter Readin g (dBm)	Det	AF T120 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	Conver sion Factor (dB)	DC Corr (dB)	Correct ed Readin g EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimet h (Degs)	Height (cm)	Polarit y
2	5.642	-65.3	Pk	34.6	-17.6	11.8	0	-36.5	-27	-9.5	95	381	V
1	5.725	-35.42	Pk	34.6	-17.5	11.8	0	-6.52	27	-33.52	95	381	V

Pk - Peak detector
Bandedge 5.625-5.755GHz 15_407 EIRP - V.TST 30915 26 Apr 2016
Rev 9.5 01 Dec 2016



Marker	Frequ ncy (GHz)	Meter Readin g (dBm)	Det	AF T120 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	Conver sion Factor (dB)	DC Corr (dB)	Correct ed Readin g EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimet h (Degs)	Height (cm)	Polarit y
1	5.85	-52.33	Pk	35	-17.5	11.8	0	-23.03	26.98	-50.01	28	119	H
2	5.944	-64.41	Pk	35.1	-17.4	11.8	0	-34.91	-27	-7.91	28	119	H

Pk - Peak detector
Bandedge 5.850-6GHz 15_407 EIRP - H.TST 30915 25 Apr 2016
Rev 9.5 01 Dec 2016



Marker	Frequ ncy (GHz)	Meter Readin g (dBm)	Det	AF T120 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	Conver sion Factor (dB)	DC Corr (dB)	Correct ed Readin g EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimet h (Degs)	Height (cm)	Polarit y
1	5.85	-51.45	Pk	35	-17.5	11.8	0	-22.15	26.99	-49.14	97	381	V
2	5.962	-65.86	Pk	35.1	-17.3	11.8	0	-36.26	-27	-9.26	97	381	V

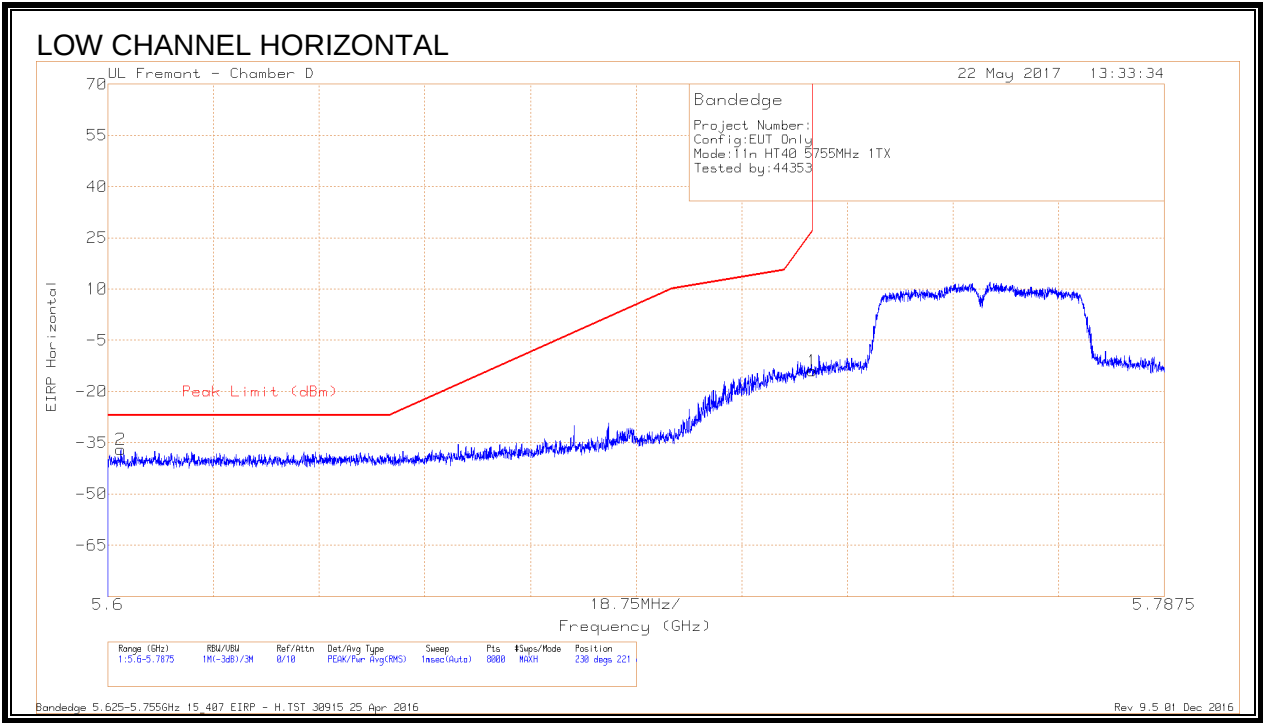
Pk - Peak detector
Bandedge 5.850-6GHz 15_407 EIRP - V.TST 30915 26 Apr 2016
Rev 9.5 01 Dec 2016

HARMONICS AND SPURIOUS EMISSIONS

Noted: Covered by 802.11n HT40 2Tx (UAT 2 + LAT 3) CDD MODE IN THE 5.8 GHz BAND

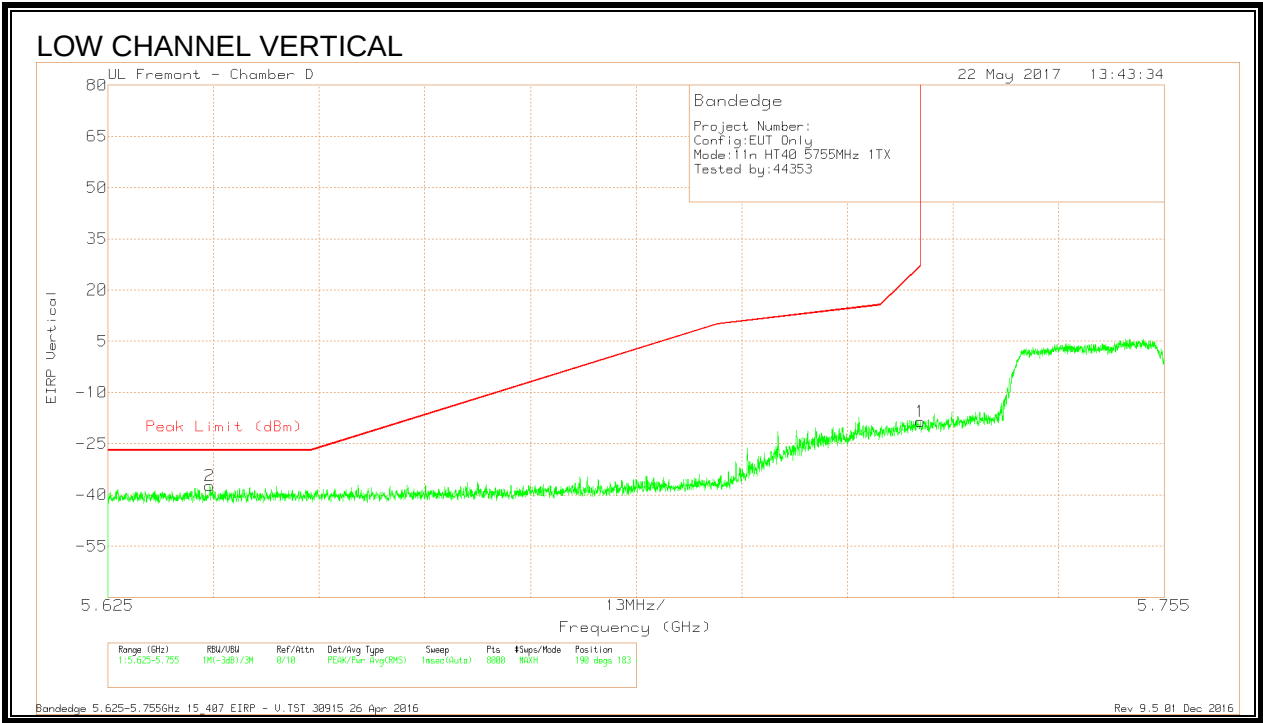
9.1.42. 11n HT40 LAT 3 SISO MODE IN THE 5.8GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



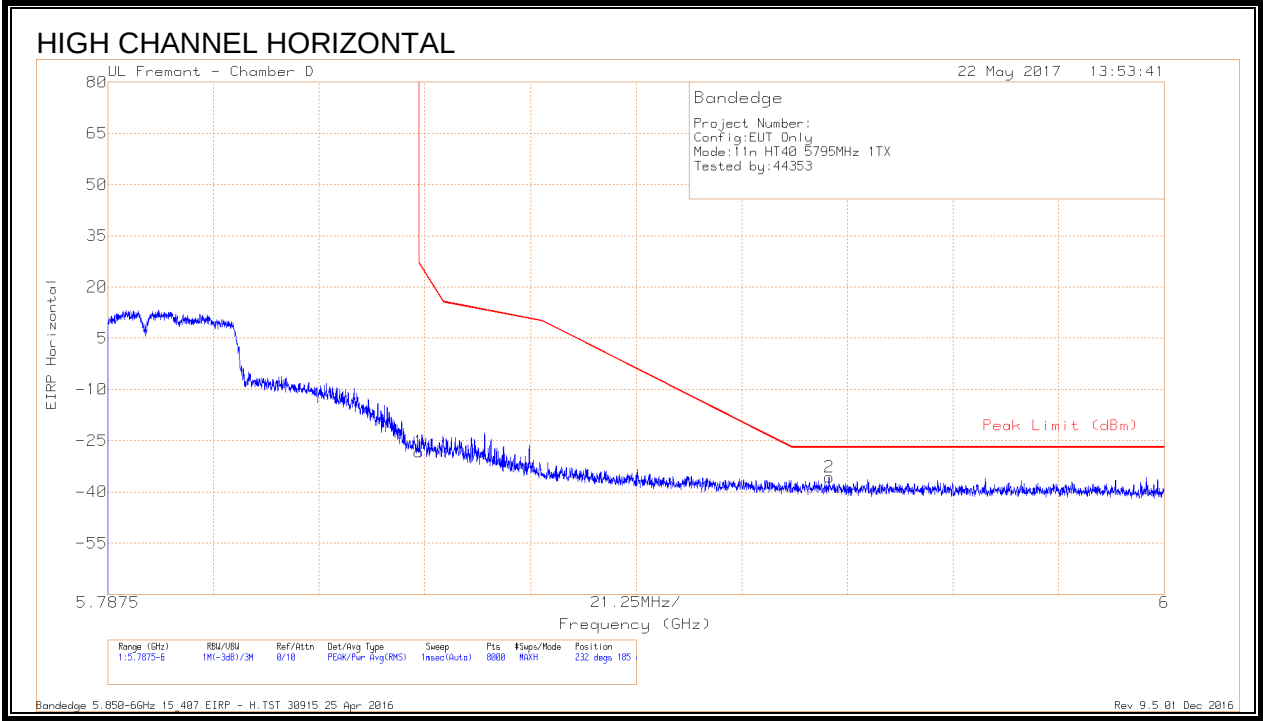
Marker	Frequ ncy (GHz)	Meter Readin g (dBm)	Det	AF T120 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	Conver sion Factor (dB)	DC Corr (dB)	Correct ed Readin g EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimet h (Degs)	Height (cm)	Polarit y
2	5.602	-65.68	Pk	34.6	-17.7	11.8	0	-36.98	-27	-9.98	230	221	H
1	5.725	-42.89	Pk	34.6	-17.5	11.8	0	-13.99	26.96	-40.95	230	221	H

Pk - Peak detector
Bandedge 5.625-5.755GHz 15_407 EIRP - H.TST 30915 25 Apr 2016
Rev 9.5 01 Dec 2016



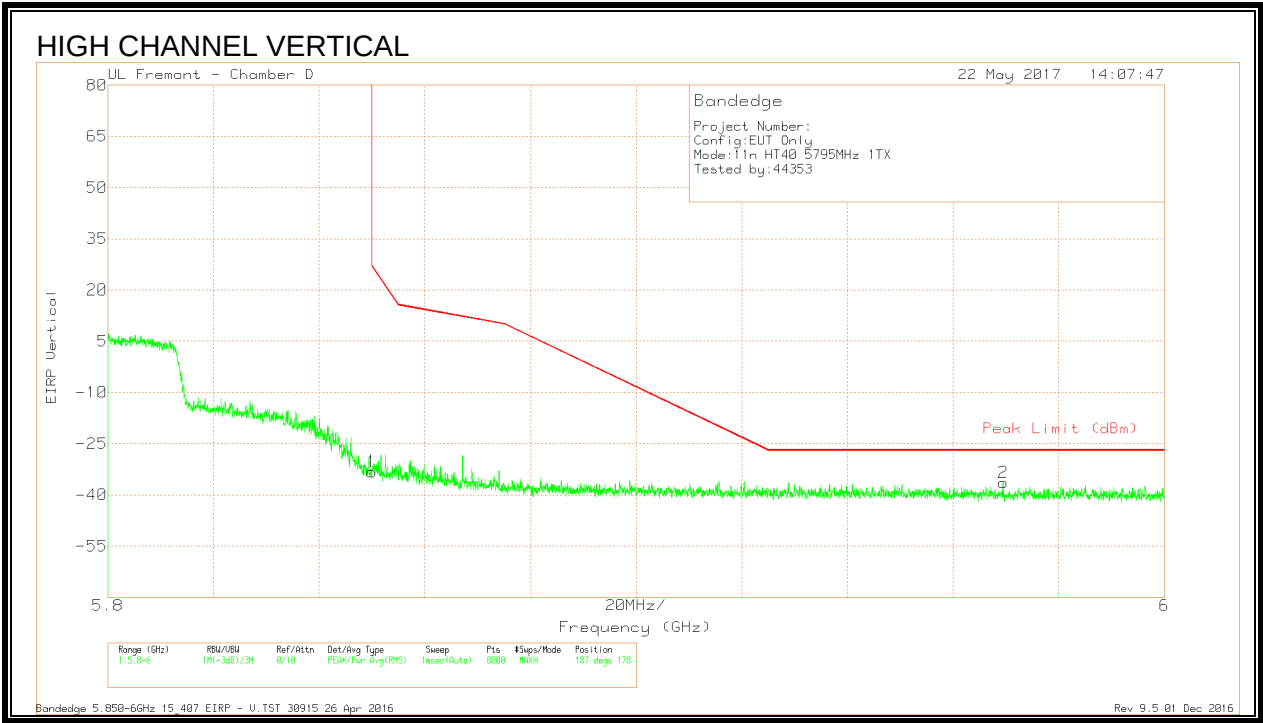
Marker	Frequ ncy (GHz)	Meter Readin g (dBm)	Det	AF T120 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	Conver sion Factor (dB)	DC Corr (dB)	Correct ed Readin g EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimet h (Degs)	Height (cm)	Polarit y
2	5.638	-66.2	Pk	34.6	-17.5	11.8	0	-37.3	-27	-10.3	190	183	V
1	5.725	-47.4	Pk	34.6	-17.5	11.8	0	-18.5	27	-45.5	190	183	V

Pk - Peak detector
Bandedge 5.625-5.755GHz 15_407 EIRP - V.TST 30915 26 Apr 2016
Rev 9.5 01 Dec 2016



Marker	Frequ ncy (GHz)	Meter Readin g (dBm)	Det	AF T120 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	Conver sion Factor (dB)	DC Corr (dB)	Correct ed Readin g EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimet h (Degs)	Height (cm)	Polarit y
1	5.85	-57.48	Pk	35	-17.5	11.8	0	-28.18	26.98	-55.16	232	185	H
2	5.933	-65.15	Pk	35	-17.3	11.8	0	-35.65	-27	-8.65	232	185	H

Pk - Peak detector
Bandedge 5.850-6GHz 15_407 EIRP - H.TST 30915 25 Apr 2016
Rev 9.5 01 Dec 2016

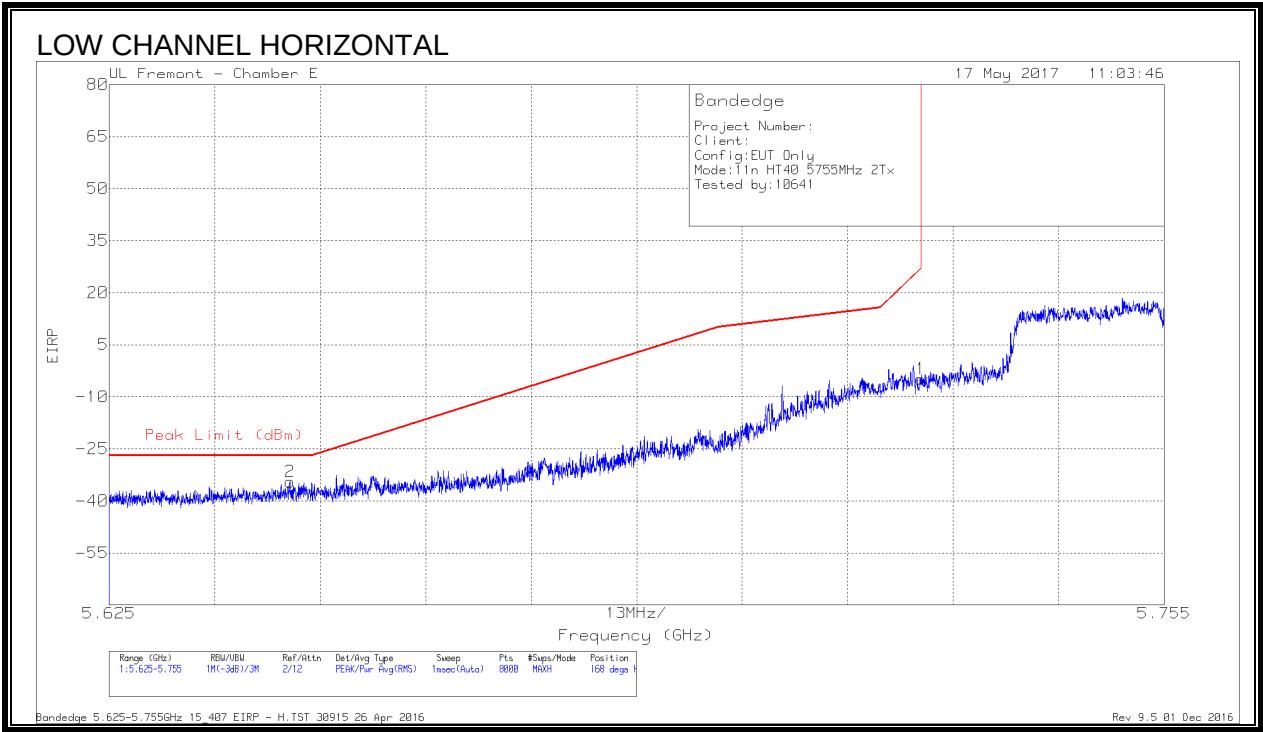


HARMONICS AND SPURIOUS EMISSIONS

Noted: Covered by 802.11n HT40 2Tx (UAT 2 + LAT 3) CDD MODE IN THE 5.8 GHz BAND

9.1.43. 11n HT40 2TX CDD MIMO MODE IN THE 5.8GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

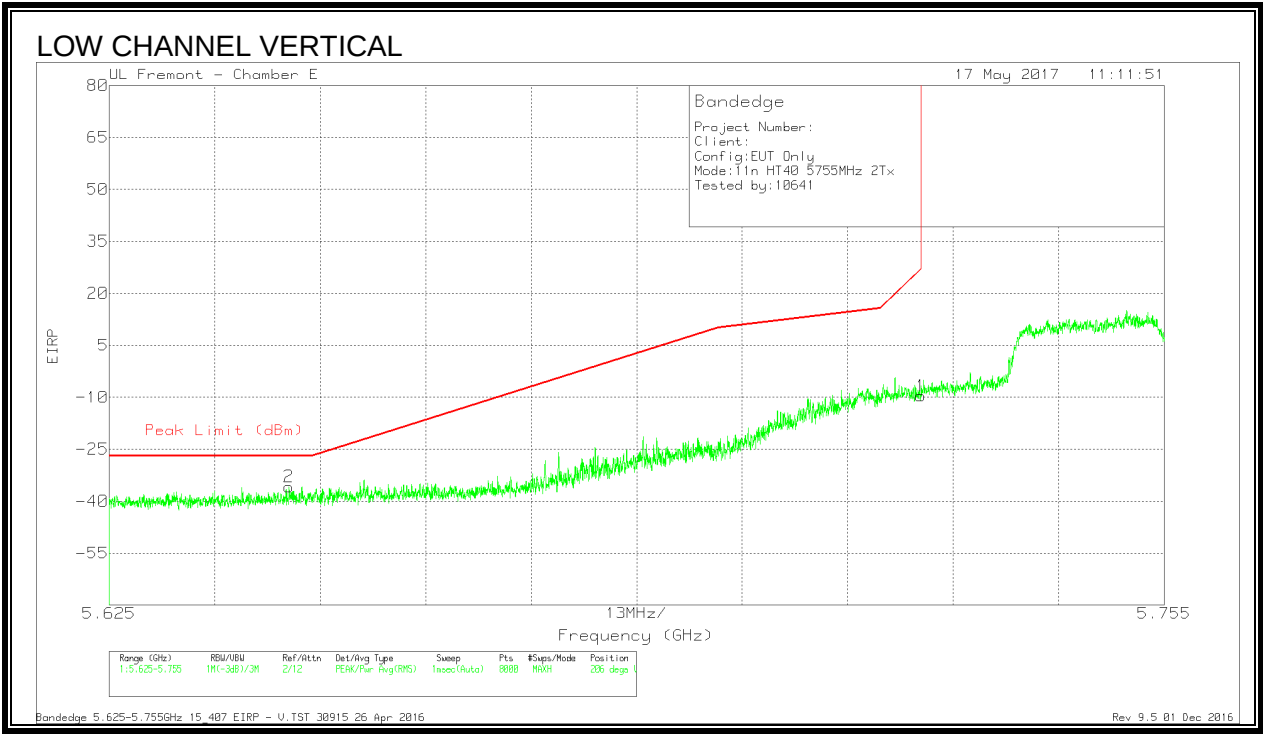


Marker	Frequen cy (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Amp/Cb l/Fitr/P ad (dB)	Convers ion Factor (dB)	Correct ed Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.647	-61.7	Pk	34.9	-19.5	11.8	-34.5	-27	-7.5	168	103	H
1	5.725	-31.95	Pk	34.9	-19.6	11.8	-4.85	27	-31.85	168	103	H

Pk - Peak detector

Bandedge 5.625-5.755GHz 15_407 EIRP - H.TST 30915 26 Apr 2016

Rev 9.5 01 Dec 2016

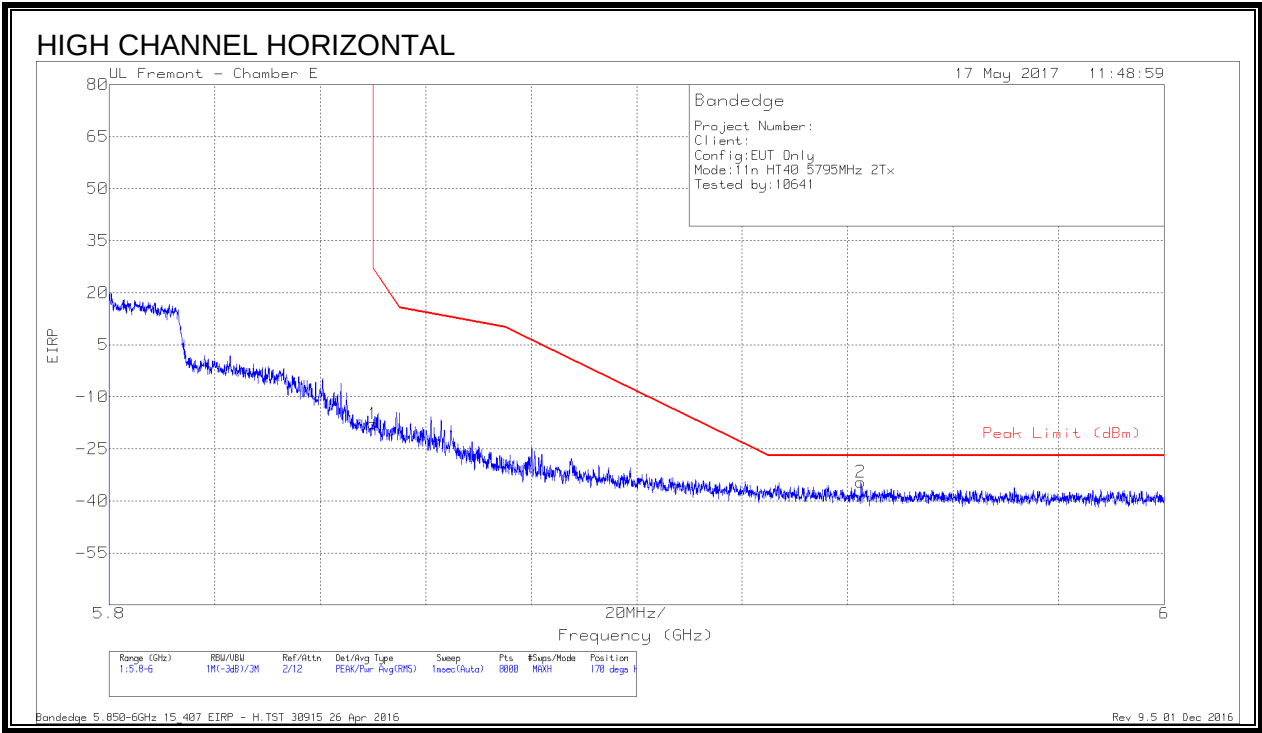


Marker	Frequen cy (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Amp/Cb l/Filtr/P ad (dB)	Convers ion Factor (dB)	Correct ed Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.647	-63	Pk	34.9	-19.5	11.8	-35.8	-27	-8.8	206	102	V
1	5.725	-36.71	Pk	34.9	-19.6	11.8	-9.61	27	-36.61	206	102	V

Pk - Peak detector

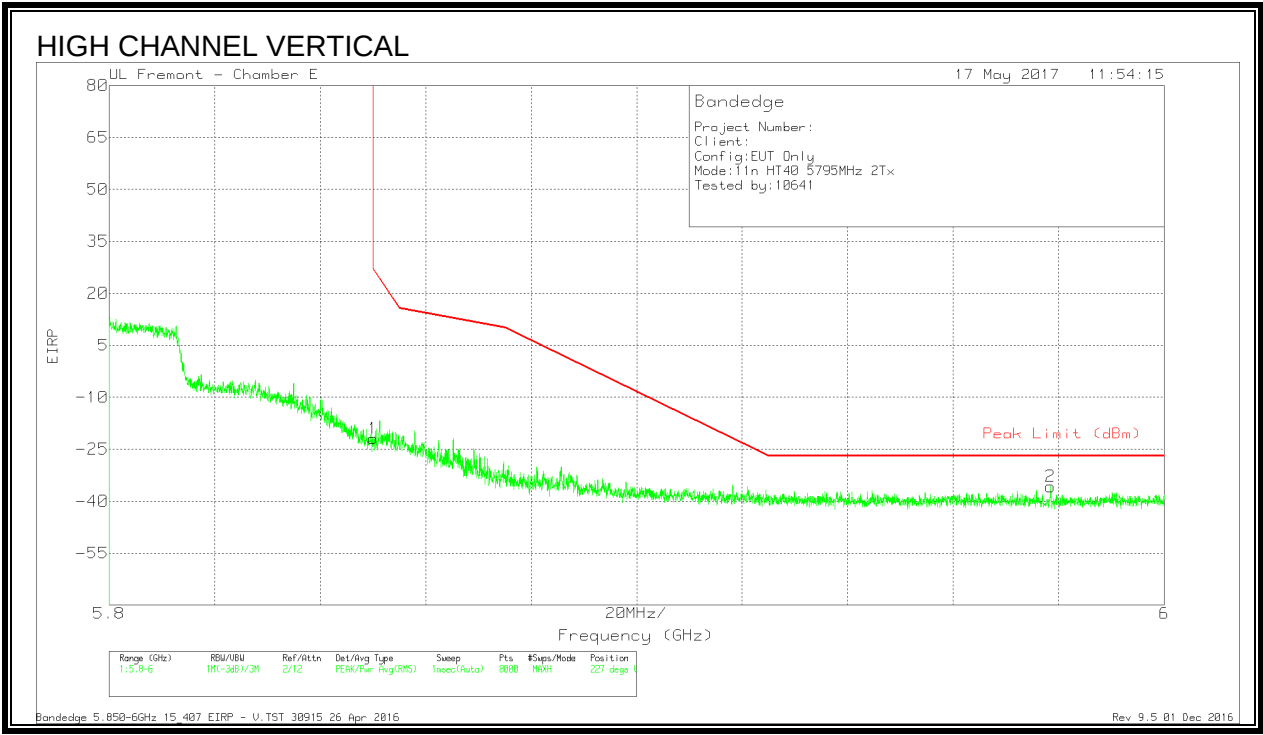
Bandedge 5.625-5.755GHz 15_407 EIRP - V.TST 30915 26 Apr 2016

Rev 9.5 01 Dec 2016



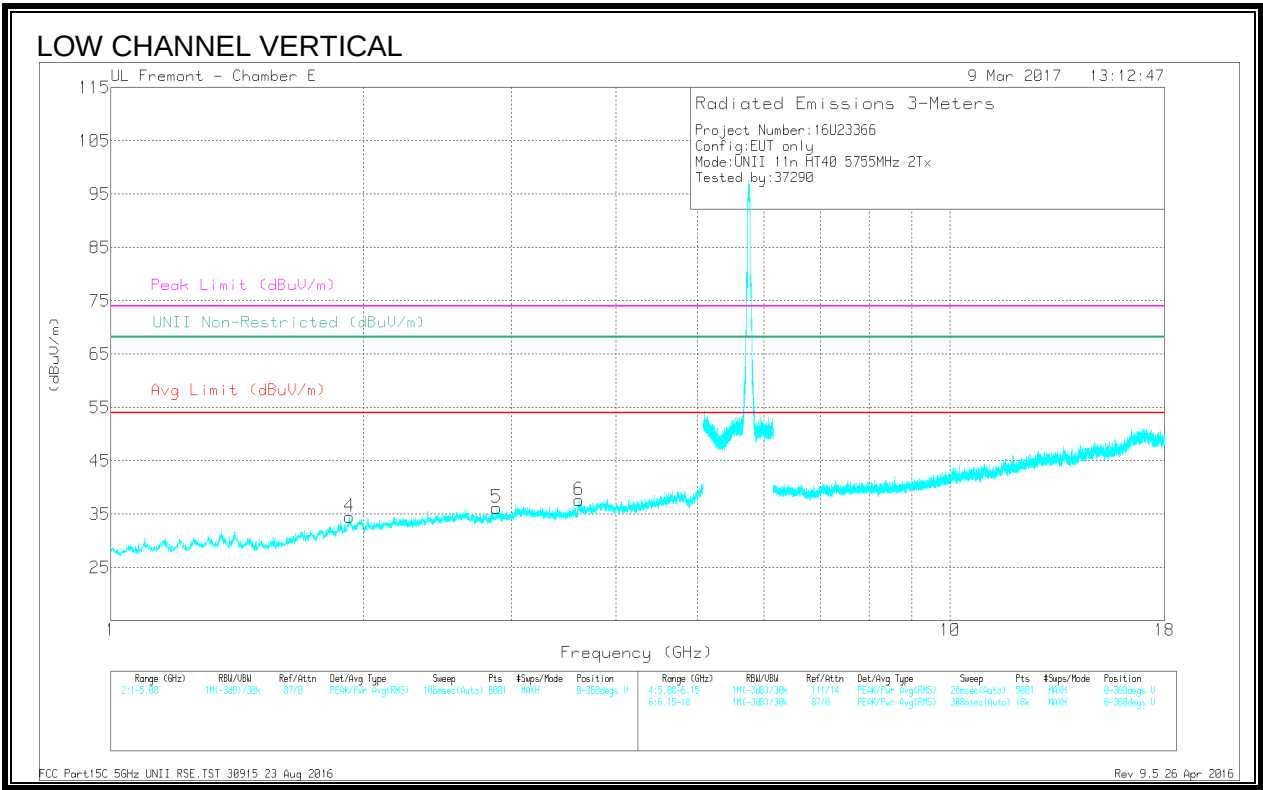
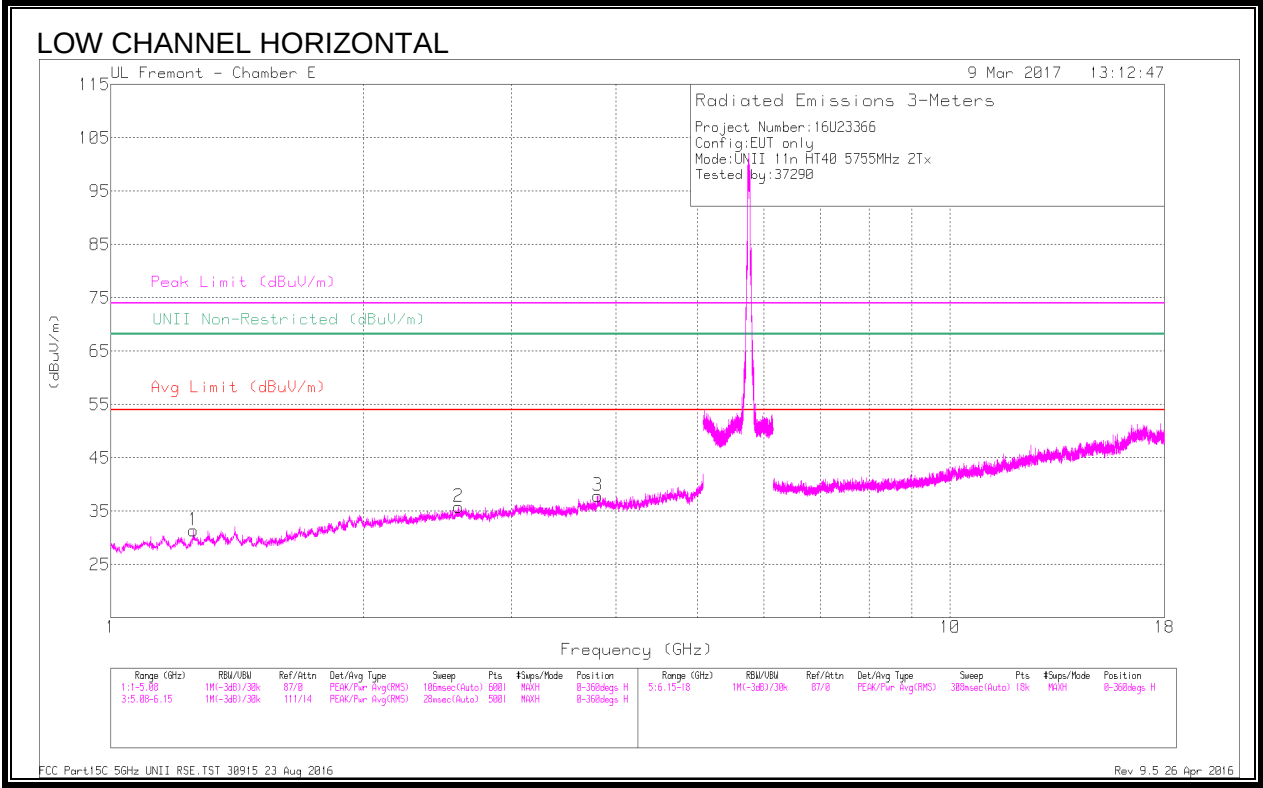
Marker	Frequen cy (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Amp/Cb l/Filtr/P ad (dB)	Convers ion Factor (dB)	Correct ed Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-45.57	Pk	35.5	-19.5	11.8	-17.77	26.99	-44.76	170	104	H
2	5.942	-62.66	Pk	35.6	-19.3	11.8	-34.56	-27	-7.56	170	104	H

Pk - Peak detector
Bandedge 5.850-6GHz 15_407 EIRP - H.TST 30915 26 Apr 2016
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Marker	Frequen cy (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Amp/Cb l/Filtr/P ad (dB)	Convers ion Factor (dB)	Correct ed Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-49.72	Pk	35.5	-19.5	11.8	-21.92	26.99	-48.91	227	117	V
2	5.978	-64.16	Pk	35.6	-19	11.8	-35.76	-27	-8.76	227	117	V

Pk - Peak detector
Bandedge 5.850-6GHz 15_407 EIRP - V.TST 30915 26 Apr 2016
Rev 9.5 01 Dec 2016



DATA

Marker	Frequenc y (GHz)	Meter Readin g (dBuV)	Det	AF T863 (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
1	* 1.255	44.83	PK-U	28.5	-35.6	0	37.73	-	-	74	-36.27	-	-	360	200	H
	* 1.256	34.18	ADR	28.5	-35.6	0.09	27.17	54	-26.83	-	-	-	-	360	200	H
3	* 3.798	40.7	PK-U	33.4	-30	0	44.1	-	-	74	-29.9	-	-	360	200	H
	* 3.802	30.11	ADR	33.4	-29.9	0.09	33.70	54	-20.30	-	-	-	-	360	200	H
5	* 2.881	41.33	PK-U	32.5	-31.1	0	42.73	-	-	74	-31.27	-	-	360	101	V
	* 2.88	30.2	ADR	32.5	-31.1	0.09	31.69	54	-22.31	-	-	-	-	360	101	V
6	* 3.612	40.2	PK-U	33	-30.5	0	42.7	-	-	74	-31.3	-	-	360	101	V
	* 3.611	30.36	ADR	33	-30.5	0.09	32.95	54	-21.05	-	-	-	-	360	101	V
4	1.927	42.9	PK-U	31	-32.8	0	41.1	-	-	-	-	68.2	-27.1	360	101	V
2	2.596	41.99	PK-U	32.5	-31.7	0	42.79	-	-	-	-	68.2	-25.41	360	101	H

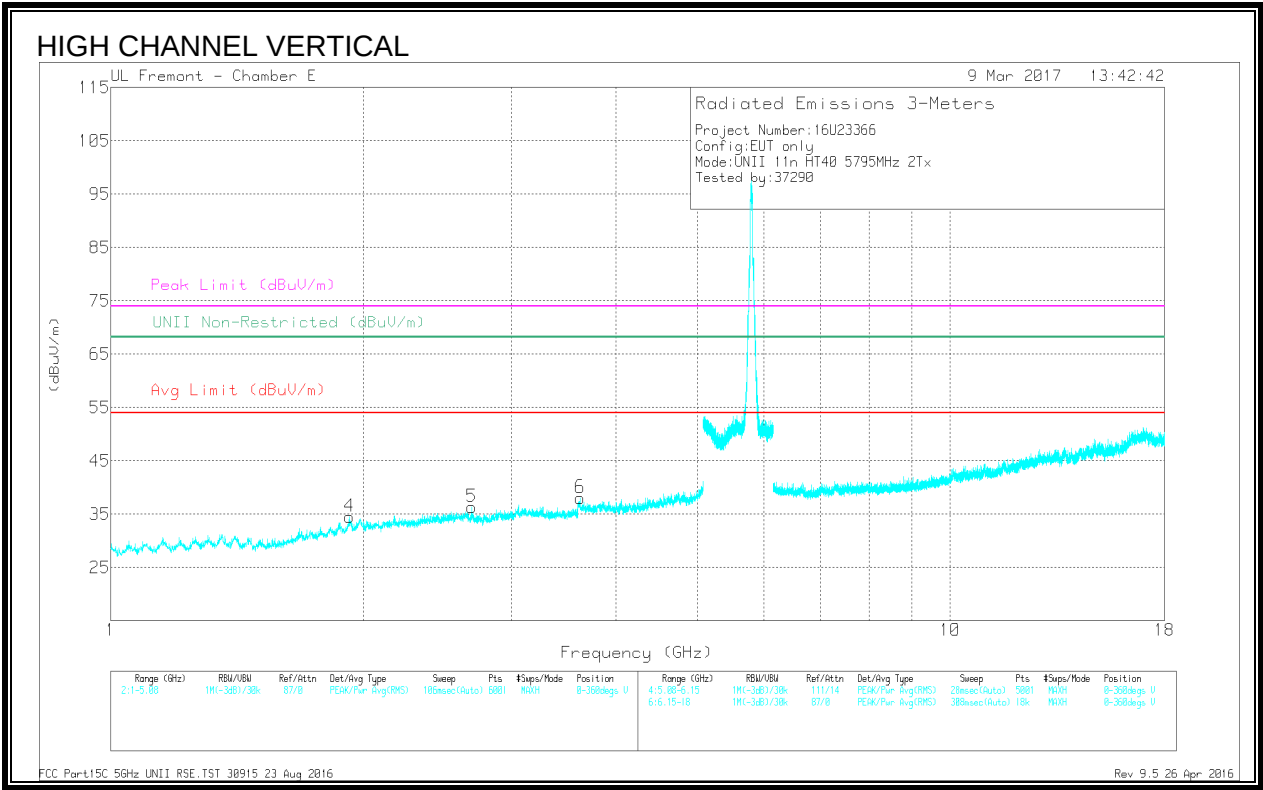
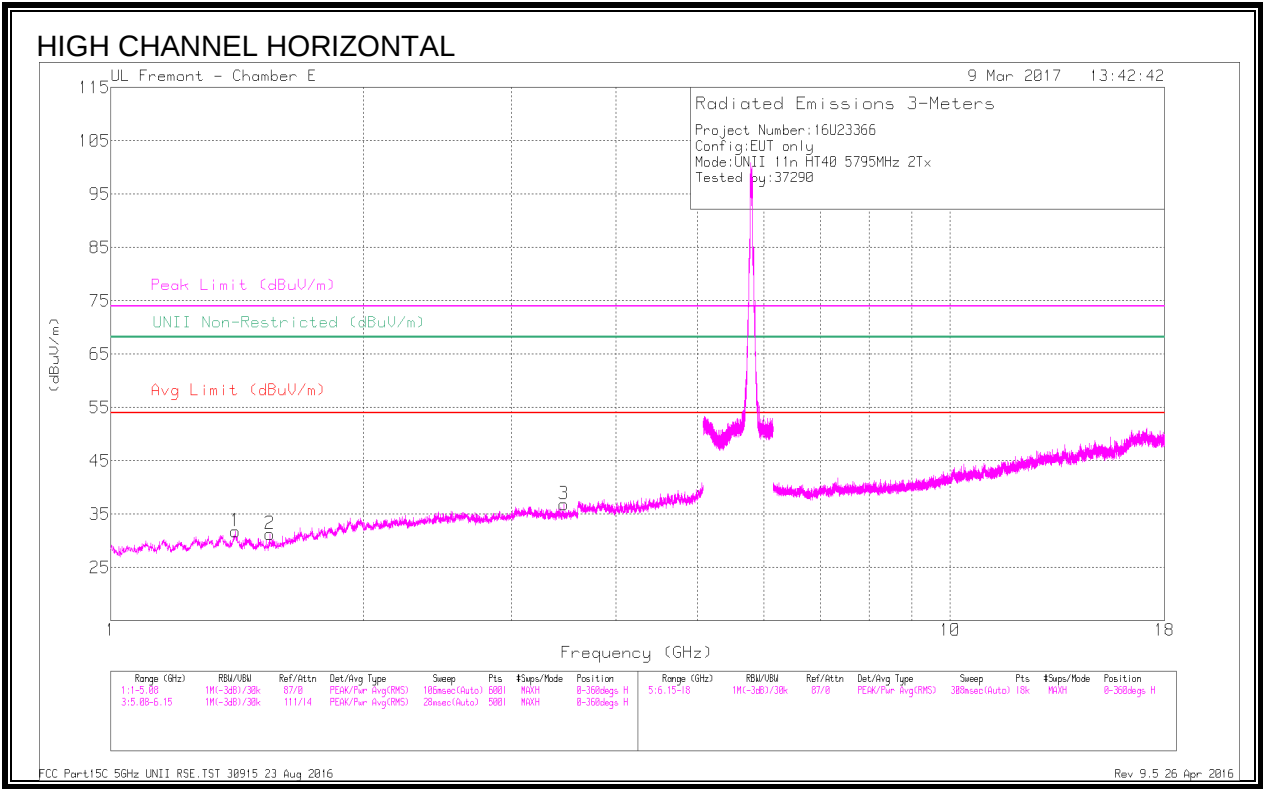
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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 26 Apr 2016



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/FI tr/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)	Polarization
1	* 1.408	44.23	PK-U	28.6	-34.5	0	38.33	-	-	74	-35.67	-	-	360	200	H
	* 1.407	33.72	ADR	28.6	-34.5	0.09	27.91	54	-26.09	-	-	-	-	360	200	H
2	* 1.545	44.64	PK-U	28.1	-35	0	37.74	-	-	74	-36.26	-	-	360	200	H
	* 1.548	33.25	ADR	28.1	-35	0.09	26.44	54	-27.56	-	-	-	-	360	200	H
5	* 2.69	41.96	PK-U	32.4	-32.1	0	42.26	-	-	74	-31.74	-	-	360	200	V
	* 2.69	31.33	ADR	32.4	-32.1	0.09	31.72	54	-22.28	-	-	-	-	360	200	V
6	* 3.621	40.71	PK-U	33	-30.6	0	43.11	-	-	74	-30.89	-	-	360	101	V
	* 3.621	30.45	ADR	33	-30.6	0.09	32.94	54	-21.06	-	-	-	-	360	101	V
4	1.924	42.89	PK-U	31	-32.8	0	41.09	-	-	-	-	68.2	-27.11	360	200	V
3	3.468	42.32	PK-U	32.8	-31.5	0	43.62	-	-	-	-	68.2	-24.58	360	101	H

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

PK-U - U-NII: Maximum Peak

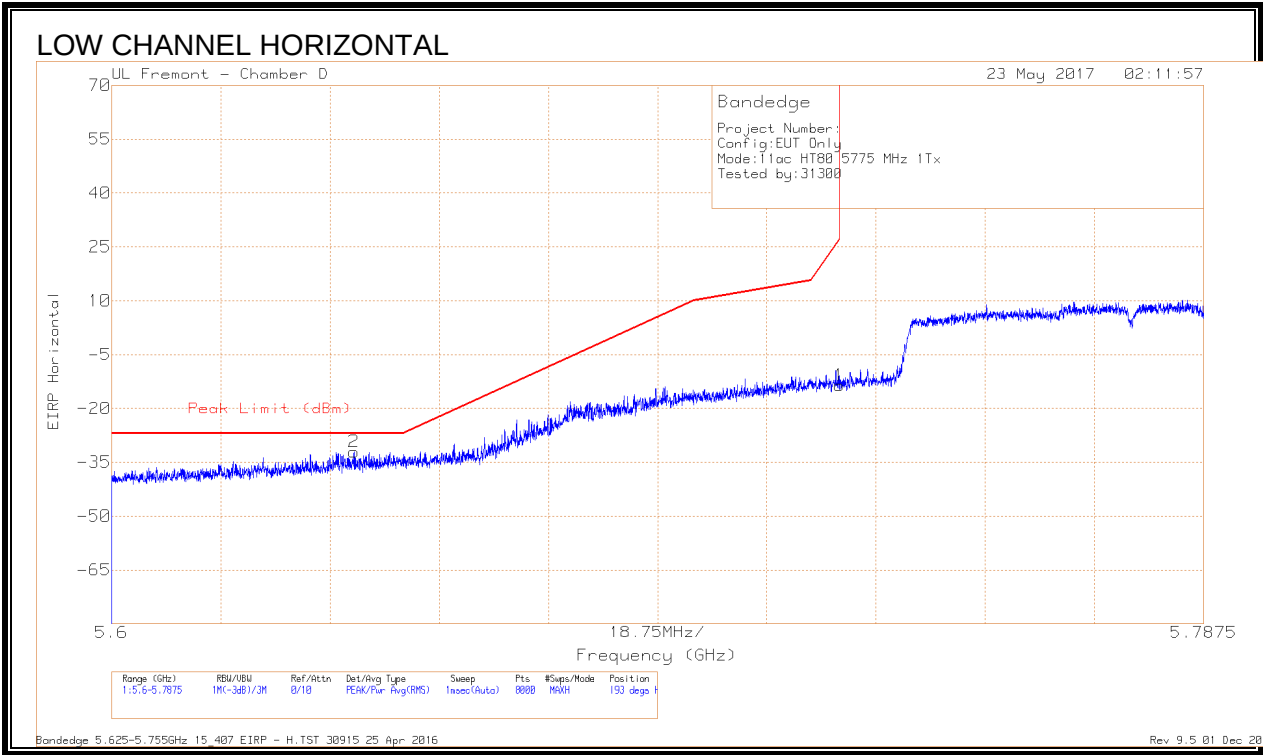
ADR - U-NII AD primary method, RMS average

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

Rev 9.5 26 Apr 2016

9.1.44. 11ac HT80 UAT 2 SISO MODE IN THE 5.8GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

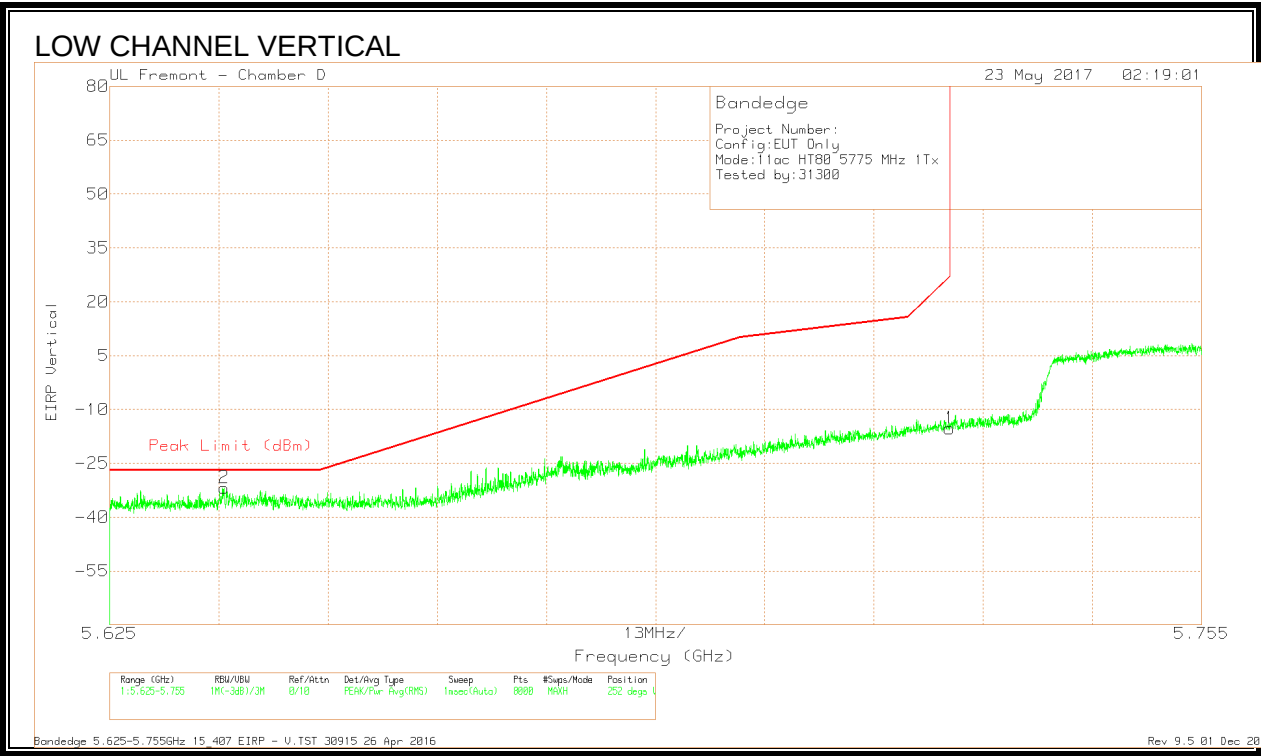


Marker	Frequen cy (GHz)	Meter Reading (dBm)	Det	AF T120 (dB/m)	Amp/Cbl /Filtr/Pa d (dB)	Conversi on Factor (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.642	-60.88	Pk	34.6	-17.6	11.8	-32.08	-27	-5.08	193	104	H
1	5.725	-42.49	Pk	34.6	-17.5	11.8	-13.59	26.96	-40.55	193	104	H

Pk - Peak detector

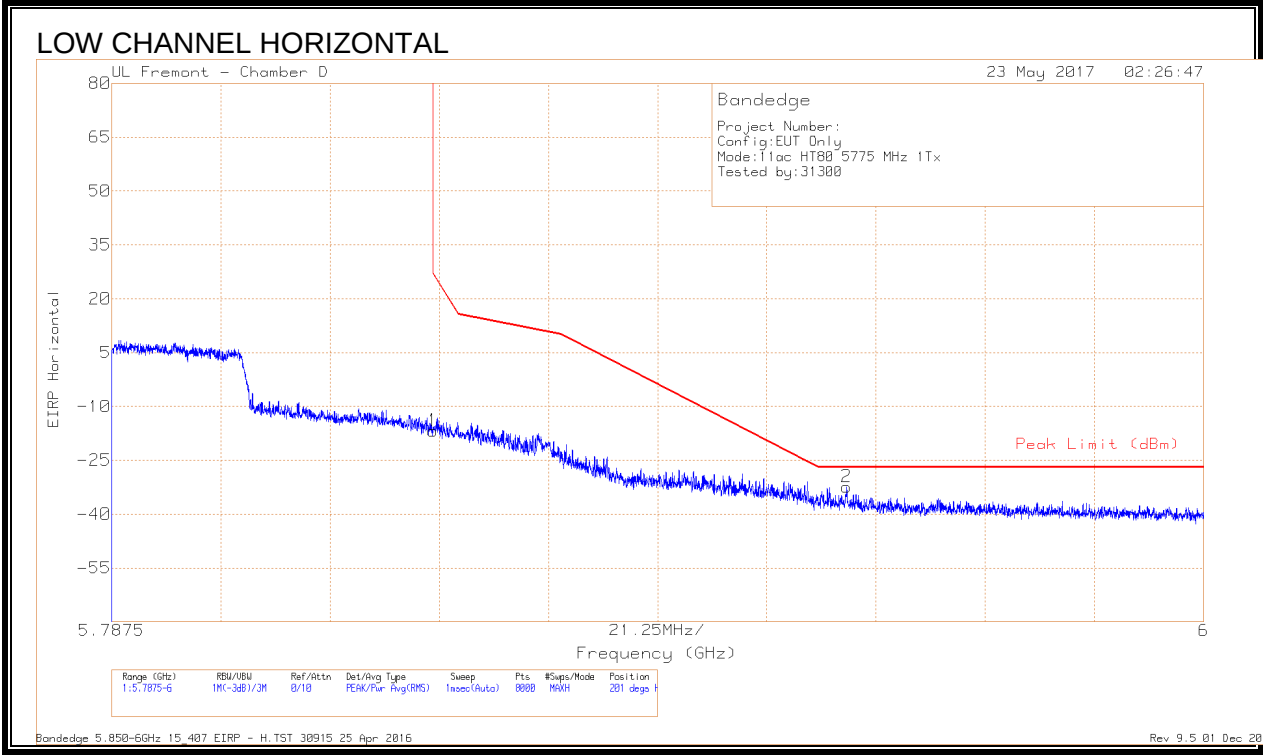
Bandedge 5.625-5.755GHz 15_407 EIRP - H.TST 30915 25 Apr 2016

Rev 9.5 01 Dec 2016



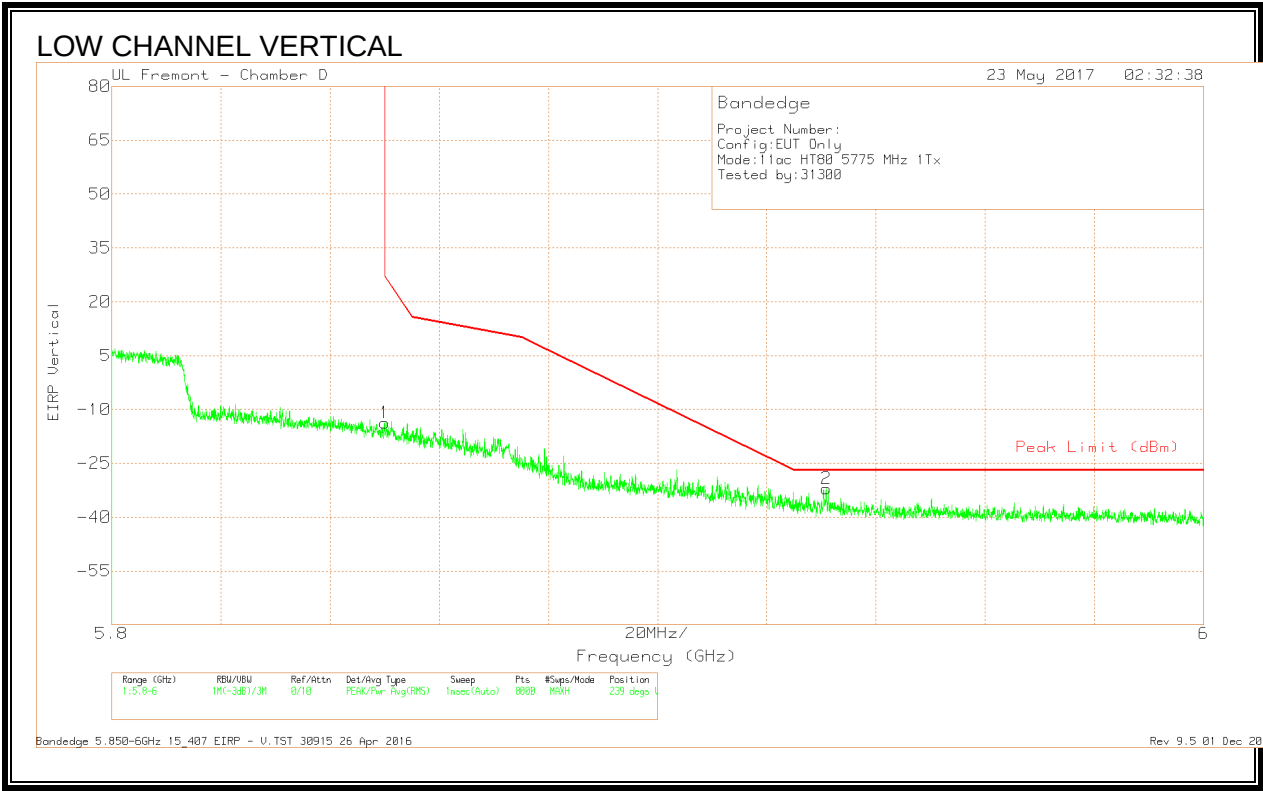
Mark er	Frequen cy (GHz)	Meter Readi ng (dBm)	De t	AF T120 (dB/m)	Amp/Cbl/Filtr /Pad (dB)	Conversion Factor (dB)	Correct ed Readin g EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimu th (Degs)	Heig ht (cm)	Polari ty
2	5.639	-60.71	Pk	34.6	-17.5	11.8	-31.81	-27	-4.81	252	397	V
1	5.725	-44.19	Pk	34.6	-17.5	11.8	-15.29	27	-42.29	252	397	V

Pk - Peak detector
Bandedge 5.625-5.755GHz 15_407 EIRP - V.TST 30915 26 Apr 2016
Rev 9.5 01 Dec 2016



Marker	Frequen cy (GHz)	Meter Reading (dBm)	Det	AF T120 (dB/m)	Amp/Cbl /Filtr/Pa d (dB)	Conversi on Factor (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-46.09	Pk	35	-17.5	11.8	-16.79	26.98	-43.77	201	98	H
2	5.931	-61.89	Pk	35	-17.3	11.8	-32.39	-27	-5.39	201	98	H

Pk - Peak detector
Bandedge 5.850-6GHz 15_407 EIRP - H.TST 30915 25 Apr 2016
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Marker	Frequen cy (GHz)	Meter Reading (dBm)	Det	AF T120 (dB/m)	Amp/Cbl /Filtr/Pa d (dB)	Conversi on Factor (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-43.04	Pk	35	-17.5	11.8	-13.74	26.99	-40.73	239	108	V
2	5.931	-61.57	Pk	35	-17.3	11.8	-32.07	-27	-5.07	239	108	V

Pk - Peak detector

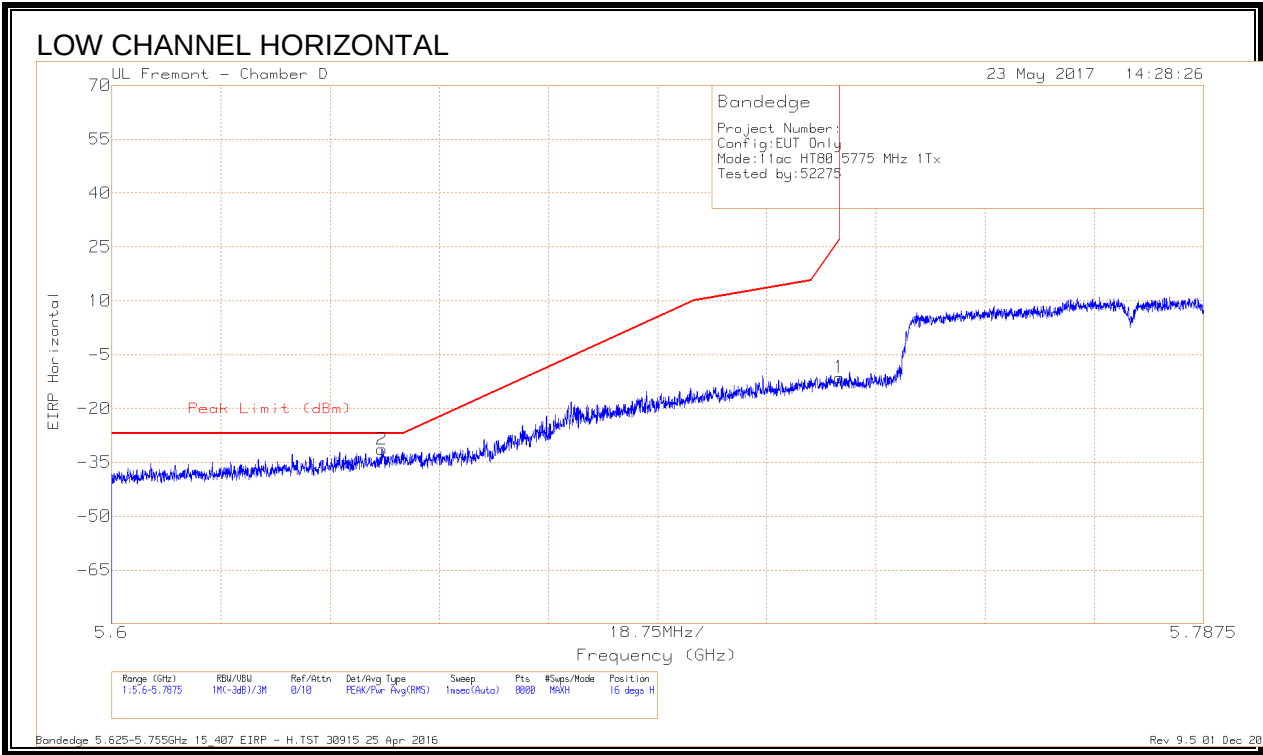
Bandedge 5.850-6GHz 15_407 EIRP - V.TST 30915 26 Apr 2016
Rev 9.5 01 Dec 2016

HARMONICS AND SPURIOUS EMISSIONS

Noted: Covered by 802.11n VHT80 2Tx (UAT 2 + LAT 3) CDD MODE IN THE 5.8 GHz BAND

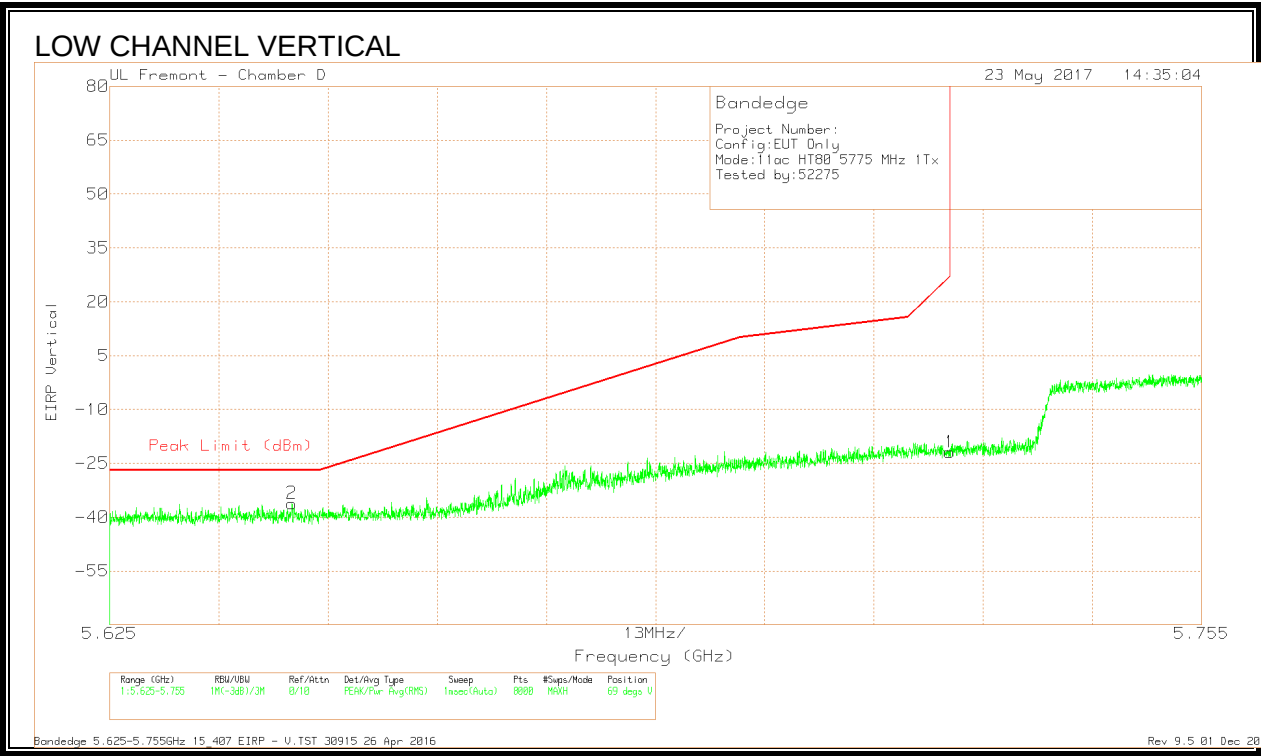
9.1.45. 11ac HT80 LAT 3 SISO MODE IN THE 5.8GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



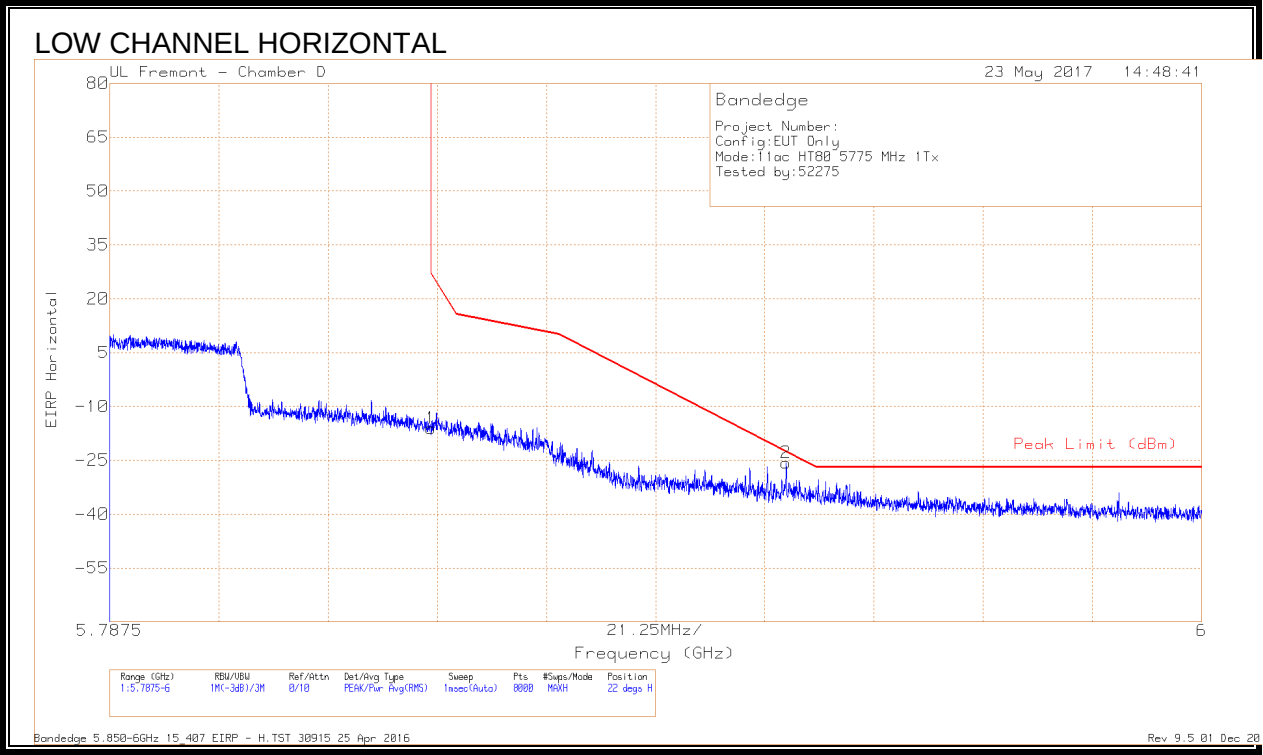
Marker	Frequen cy (GHz)	Meter Reading (dBm)	Det	AF T120 (dB/m)	Amp/Cbl /Filtr/Pa d (dB)	Conversi on Factor (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.646	-60.29	Pk	34.6	-17.5	11.8	-31.39	-27	-4.39	16	124	H
1	5.725	-40.29	Pk	34.6	-17.5	11.8	-11.39	26.96	-38.35	16	124	H

Pk - Peak detector
Bandedge 5.625-5.755GHz 15_407 EIRP - H.TST 30915 25 Apr 2016
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Marker	Frequen cy (GHz)	Meter Reading (dBm)	Det	AF T120 (dB/m)	Amp/Cbl /Filtr/Pa d (dB)	Conversi on Factor (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.647	-65.11	Pk	34.6	-17.5	11.8	-36.21	-27	-9.21	69	107	V
1	5.725	-50.84	Pk	34.6	-17.5	11.8	-21.94	27	-48.94	69	107	V

Pk - Peak detector
Bandedge 5.625-5.755GHz 15_407 EIRP - V.TST 30915 26 Apr 2016
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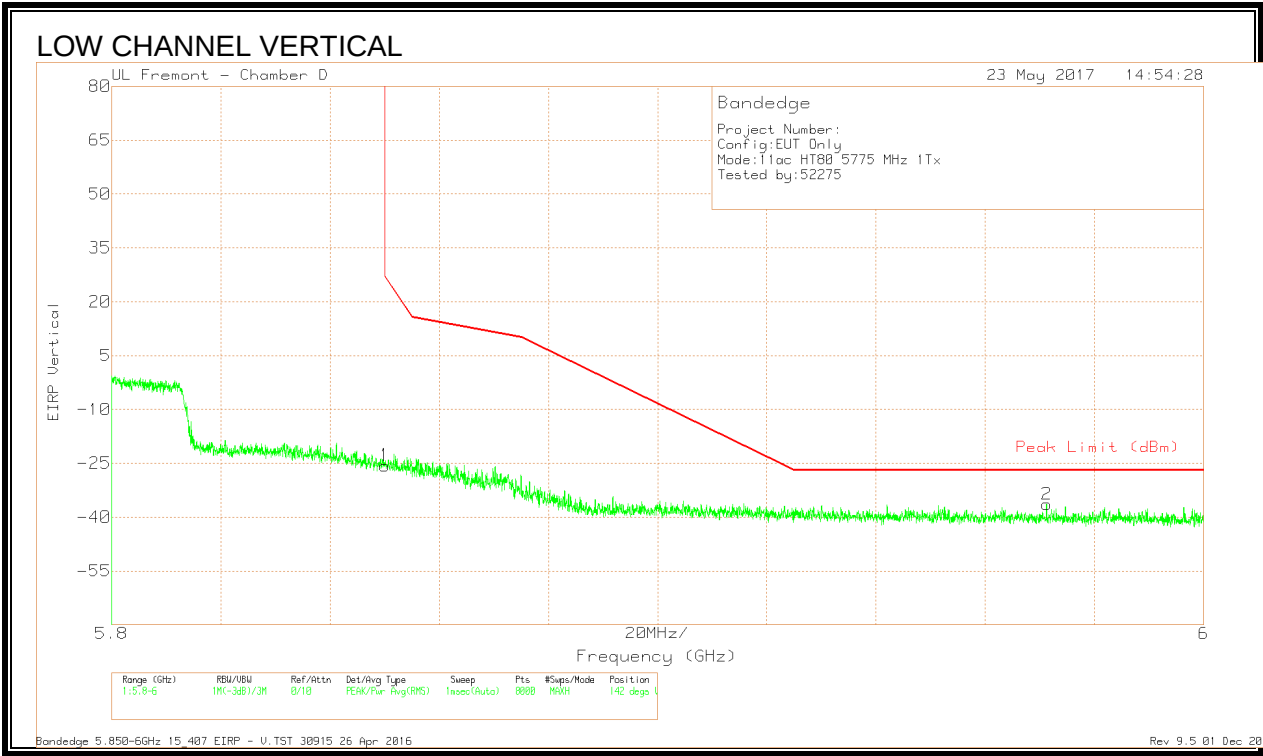


Marker	Frequen cy (GHz)	Meter Reading (dBm)	Det	AF T120 (dB/m)	Amp/Cbl /Fltr/Pa d (dB)	Conversi on Factor (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-45.43	Pk	35	-17.5	11.8	-16.13	26.98	-43.11	22	119	H
2	5.919	-55.27	Pk	35	-17.3	11.8	-25.77	-22.66	-3.11	22	119	H

Pk - Peak detector

Bandedge 5.850-6GHz 15_407 EIRP - H.TST 30915 25 Apr 2016

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Marker	Frequen cy (GHz)	Meter Reading (dBm)	Det	AF T120 (dB/m)	Amp/Cbl /Filtr/Pa d (dB)	Conversi on Factor (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-54.95	Pk	35	-17.5	11.8	-25.65	26.99	-52.64	142	115	V
2	5.971	-65.9	Pk	35.1	-17.4	11.8	-36.4	-27	-9.4	142	115	V

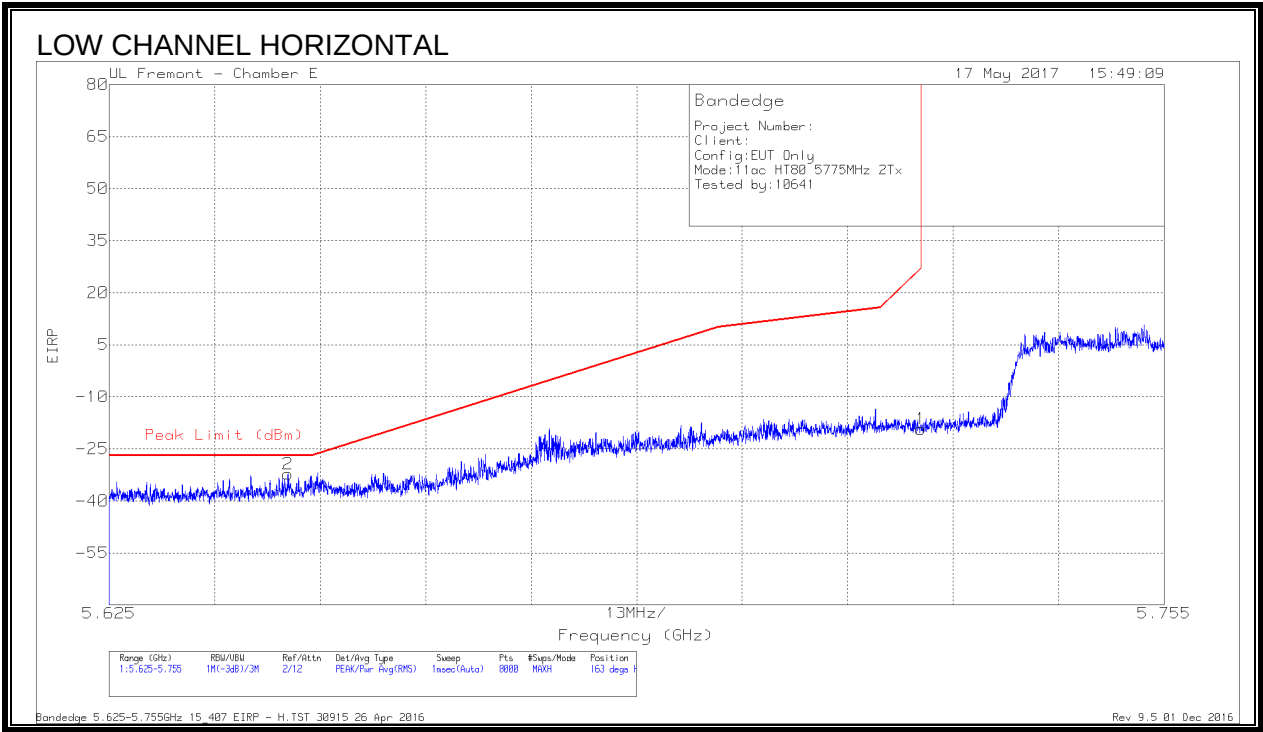
Pk - Peak detector
Bandedge 5.850-6GHz 15_407 EIRP - V.TST 30915 26 Apr 2016
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HARMONICS AND SPURIOUS EMISSIONS

Noted: Covered by 802.11n VHT80 2Tx (UAT 2 + LAT 3) CDD MODE IN THE 5.8 GHz BAND

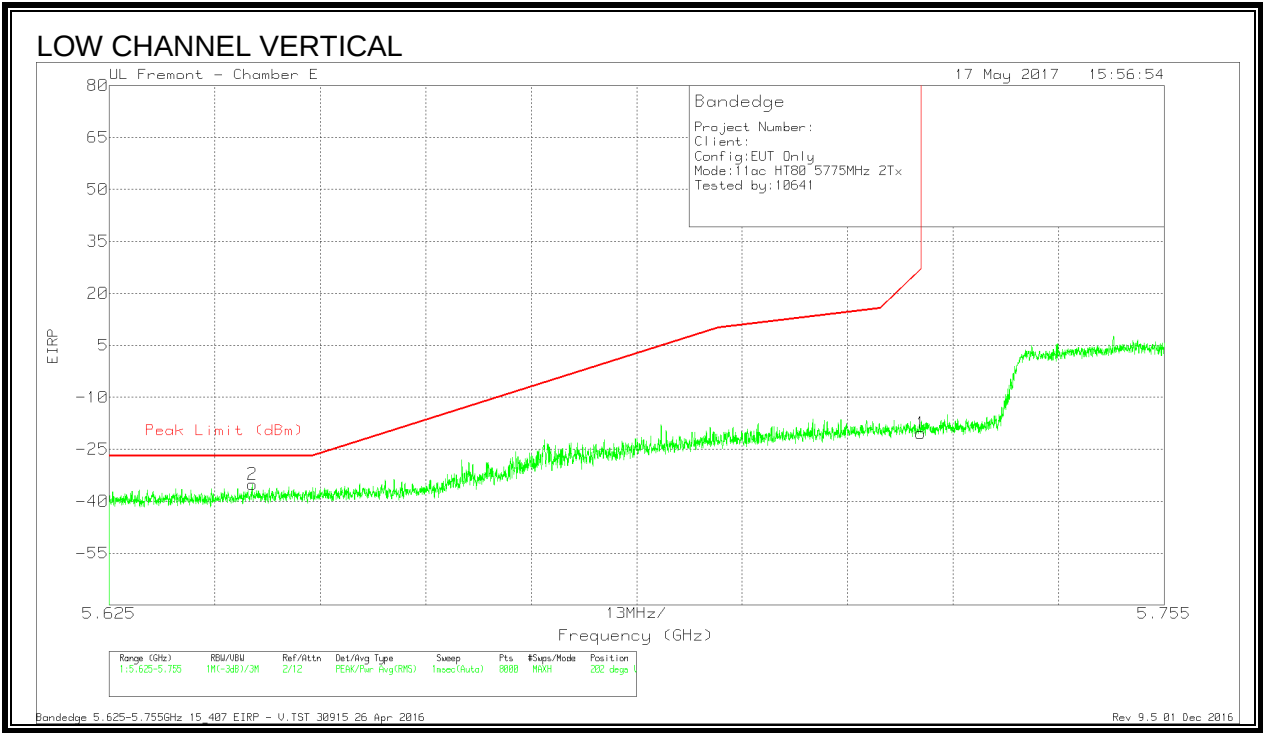
9.1.46. 11ac HT80 2TX CDD MIMO MODE IN THE 5.8GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequ ncy (GHz)	Meter Readin g (dBm)	Det	AF T136 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	Conver sion Factor (dB)	DC Corr (dB)	Correct ed Readin g EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimet h (Degs)	Height (cm)	Polarit y
2	5.647	-59.5	Pk	34.9	-19.5	11.8	0	-32.3	-27	-5.3	163	132	H
1	5.725	-46.35	Pk	34.9	-19.6	11.8	0	-19.25	27	-46.25	163	132	H

Pk - Peak detector
Bandedge 5.625-5.755GHz 15_407 EIRP - H.TST 30915 26 Apr 2016
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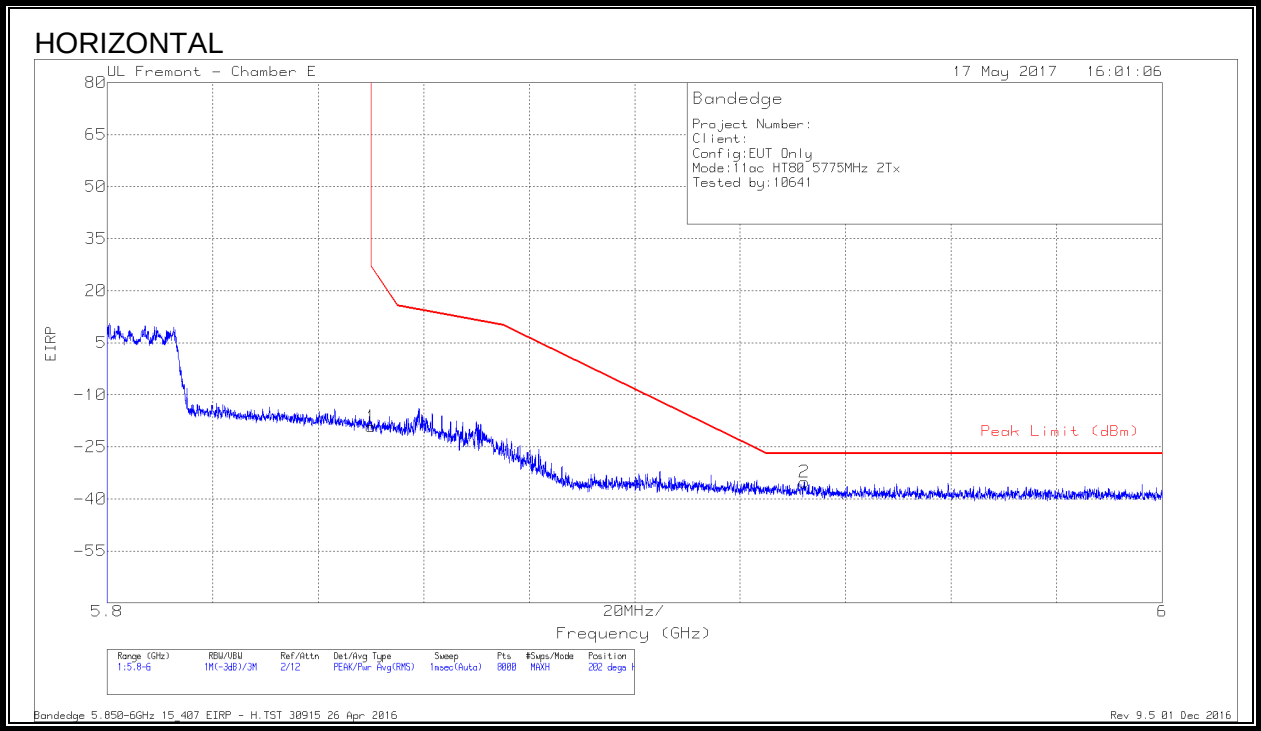


Marker	Frequen- cy (GHz)	Meter Readin g (dBm)	Det	AF T136 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	Conver- sion Factor (dB)	DC Corr (dB)	Correct ed Readin g EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarit- y
2	5.643	-62.3	Pk	34.9	-19.5	11.8	0	-35.1	-27	-8.1	202	101	V
1	5.725	-47.44	Pk	34.9	-19.6	11.8	0	-20.34	27	-47.34	202	101	V

Pk - Peak detector

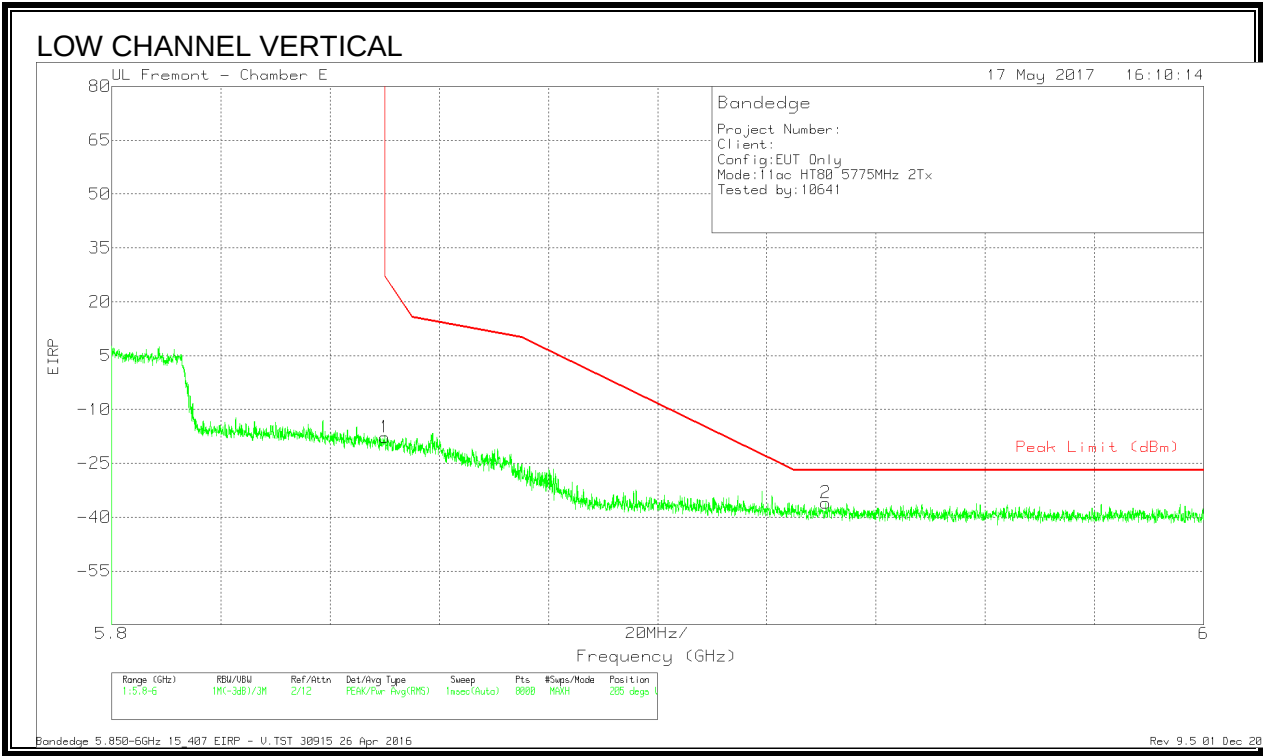
Bandedge 5.625-5.755GHz 15_407 EIRP - V.TST 30915_26 Apr 2016

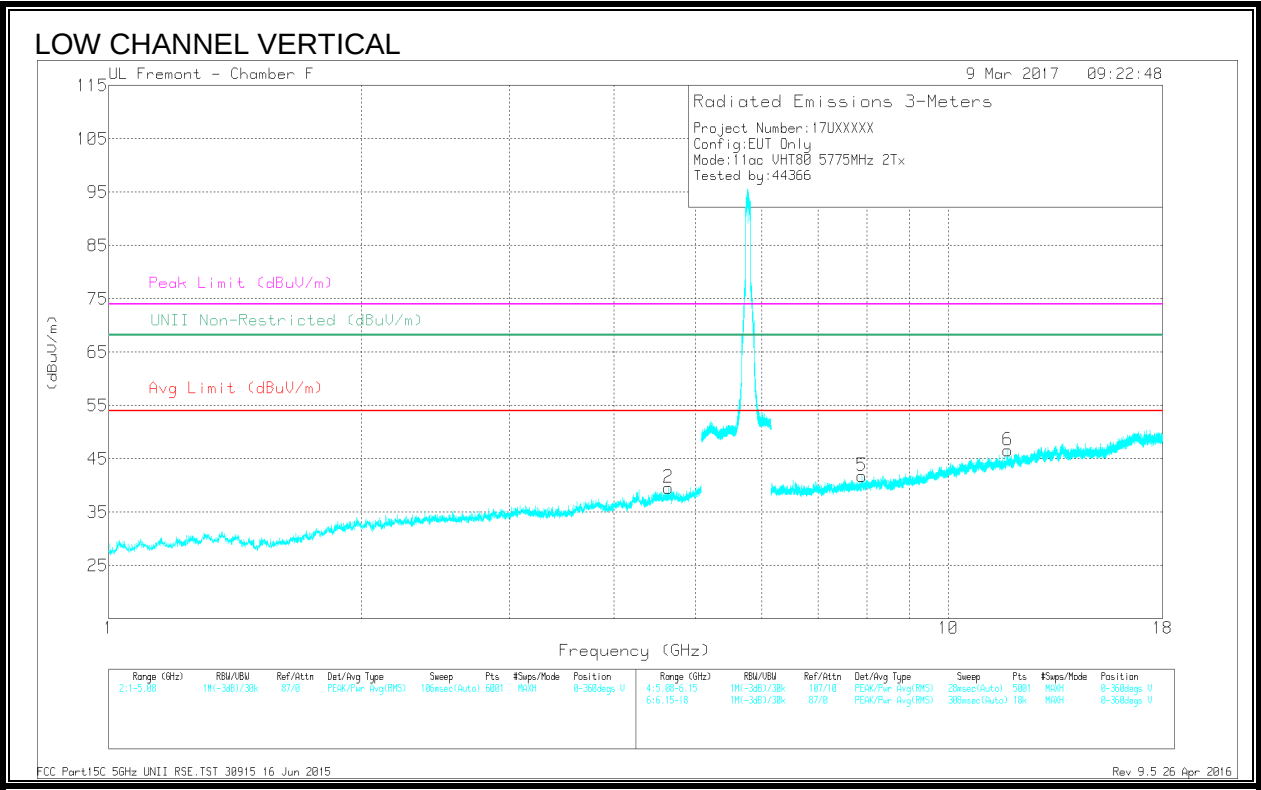
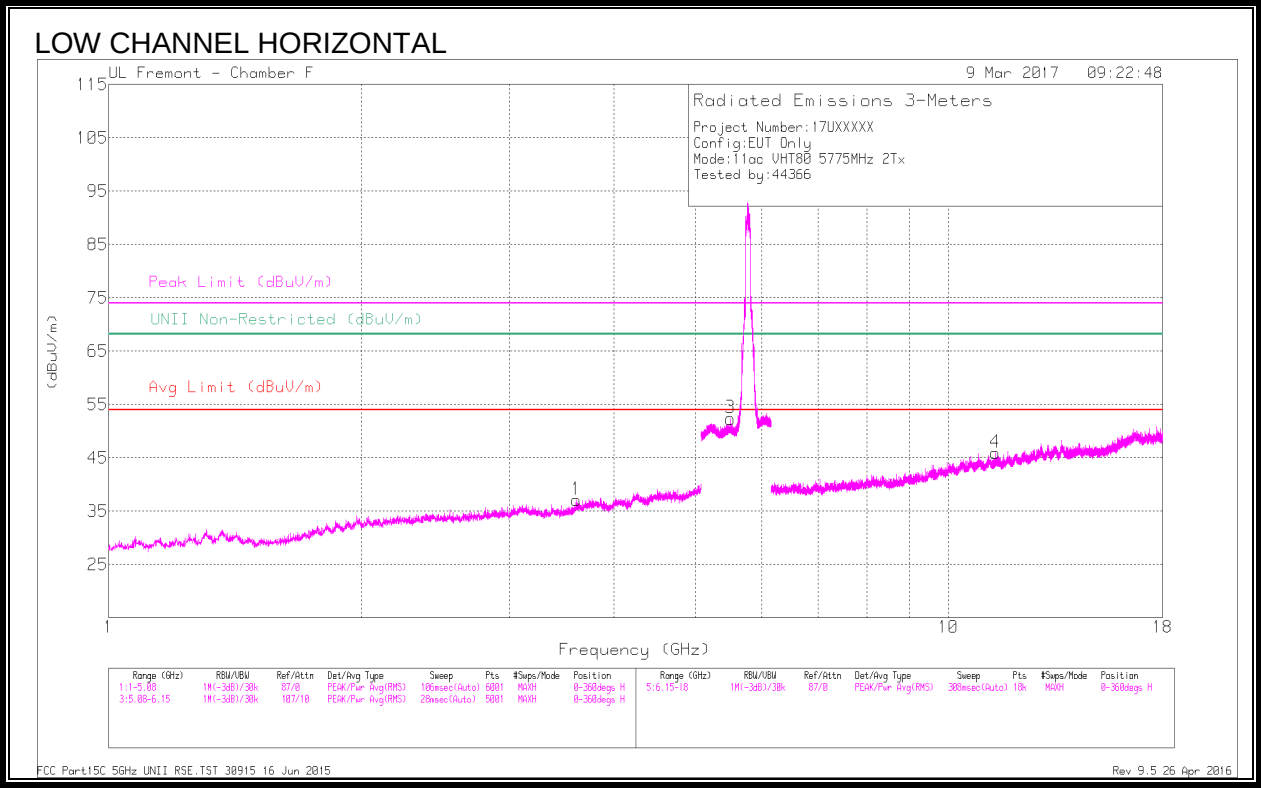
Rev 9.5 01 Dec 2016



Marker	Frequ ncy (GHz)	Meter Readin g (dBm)	Det	AF T136 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	Conver sion Factor (dB)	DC Corr (dB)	Correct ed Readin g EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimet h (Degs)	Height (cm)	Polarit y
1	5.85	-46.97	Pk	35.5	-19.5	11.8	0	-19.17	26.99	-46.16	202	101	H
2	5.932	-63.28	Pk	35.6	-19.2	11.8	0	-35.08	-27	-8.08	202	101	H

Pk - Peak detector
Bandedge 5.850-6GHz 15_407 EIRP - H.TST 30915 26 Apr 2016
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DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp /Cbl/ Fitr/P ad (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	* 3.604	39.46	PK-U	33	-29.5	0	42.96	-	-	74	-31.04	-	-	252	122	H
	* 3.606	28.32	ADR	33	-29.5	.19	32.01	54	-21.99	-	-	-	-	252	122	H
2	* 4.644	38.31	PK-U	34.1	-27.2	0	45.21	-	-	74	-28.79	-	-	16	125	V
	* 4.643	27.61	ADR	34.1	-27.2	.19	34.7	54	-19.3	-	-	-	-	16	125	V
3	5.504	41.95	PK-U	34.6	-18.7	0	57.85	-	-	-	-	68.2	-10.35	179	156	H
	5.503	31.28	ADR	34.6	-18.7	.19	47.37	-	-	-	-	-	-	179	156	H
4	* 11.38	35.08	PK-U	38	-21.8	0	51.28	-	-	74	-22.72	-	-	38	140	H
	* 11.38	24.22	ADR	38	-21.8	.19	40.61	54	-13.39	-	-	-	-	38	140	H
5	7.894	36.02	PK-U	35.8	-24.3	0	47.52	-	-	-	-	68.2	-20.68	220	222	V
6	* 11.77	36.38	PK-U	38.4	-21.5	0	53.28	-	-	74	-20.72	-	-	16	309	V
	* 11.767	24.35	ADR	38.4	-21.5	.19	41.44	54	-12.56	-	-	-	-	16	309	V

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

PK-U - U-NII: Maximum Peak

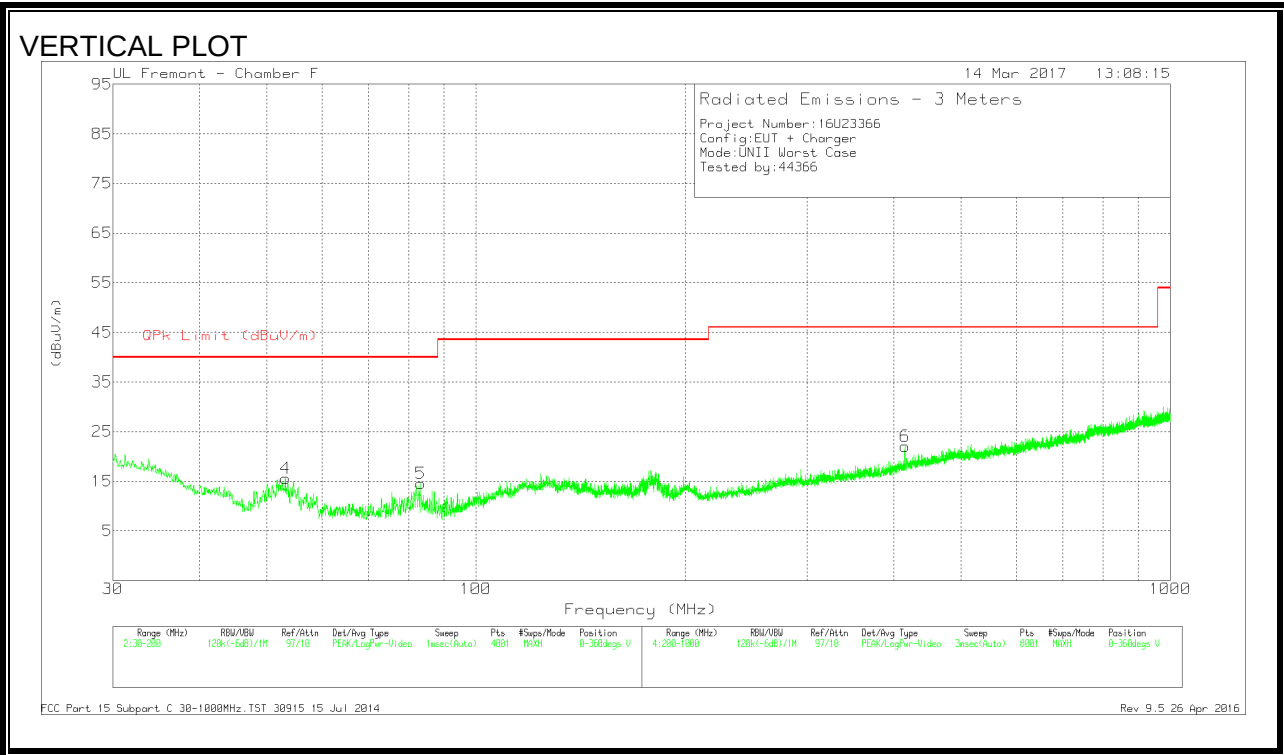
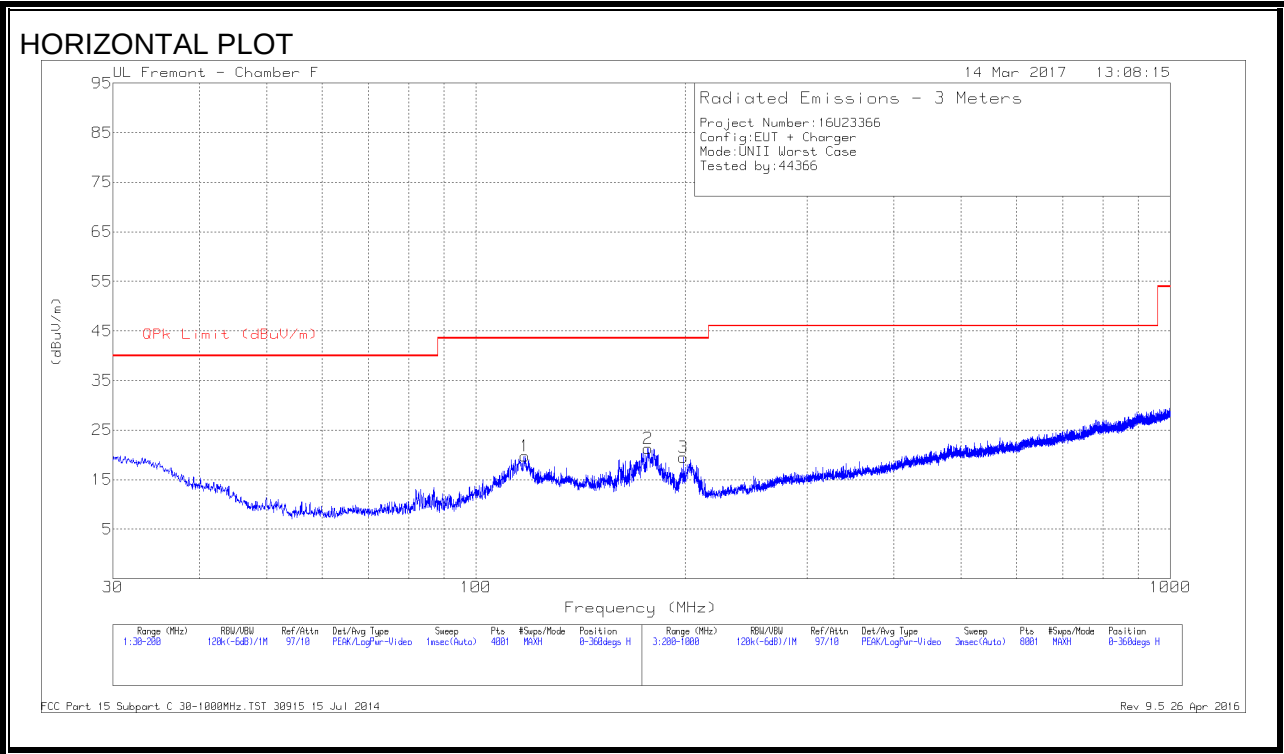
ADR - U-NII AD primary method, RMS average

FCC Part15C 5GHz UNII RSE.TST 30915 16 Jun 2015

Rev 9.5 26 Apr 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 T122 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 117.635	33.13	Pk	17.6	-31	19.73	43.52	-23.79	0-360	199	H
2	176.8375	36.33	Pk	15.5	-30.5	21.33	43.52	-22.19	0-360	199	H
3	198.9375	33.42	Pk	16.6	-30.5	19.52	43.52	-24	0-360	99	H
4	53.1625	35.05	Pk	12.1	-31.6	15.55	40	-24.45	0-360	100	V
5	83.2525	34.22	Pk	11.7	-31.4	14.52	40	-25.48	0-360	100	V
6	414.7	31.38	Pk	20.1	-29.4	22.08	46.02	-23.94	0-360	201	V

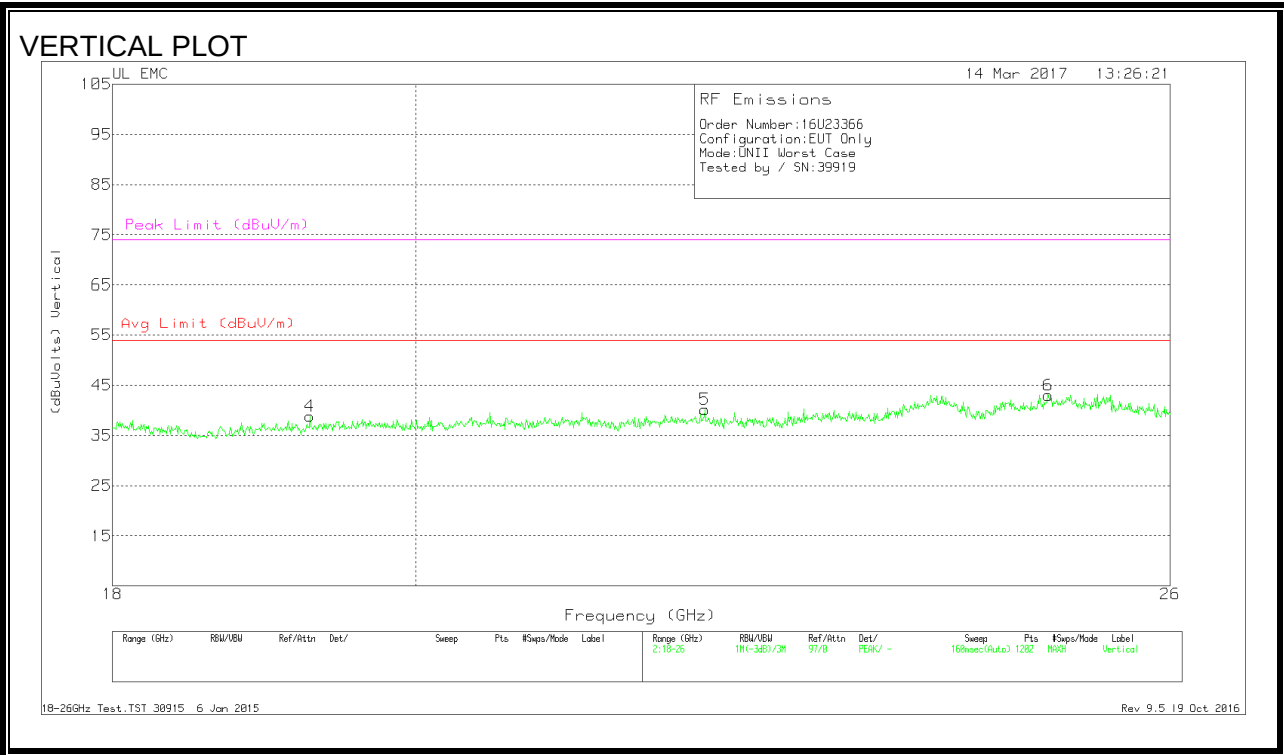
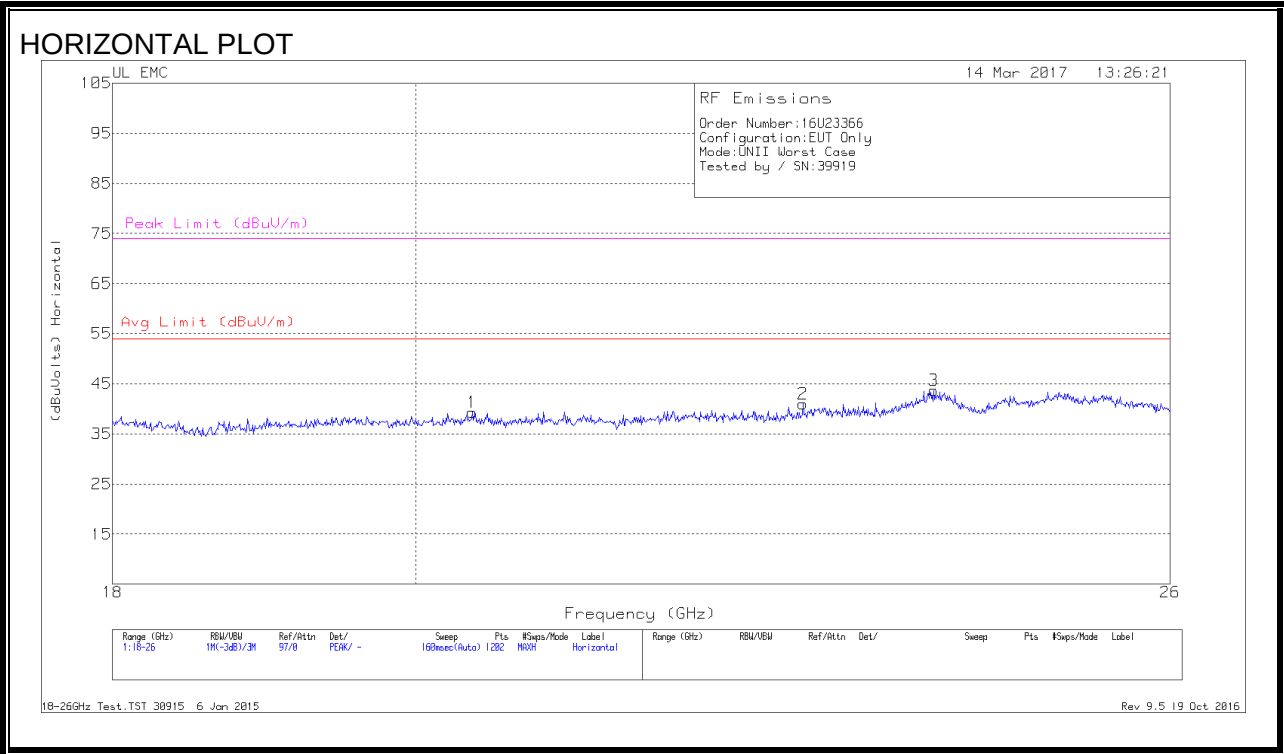
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

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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	20.398	41.03	Pk	32.9	-25.1	-9.5	39.33	54	-14.67	74	-34.67
2	22.883	42	Pk	33.4	-24.9	-9.5	41	54	-13	74	-33
3	23.948	43.47	Pk	34	-24.3	-9.5	43.67	54	-10.33	74	-30.33
4	19.279	40.33	Pk	32.7	-24.7	-9.5	38.83	54	-15.17	74	-35.17
5	22.117	40.97	Pk	33.5	-24.8	-9.5	40.17	54	-13.833	74	-33.83
6	24.921	42.5	Pk	34.2	-24.2	-9.5	43	54	-11	74	-31

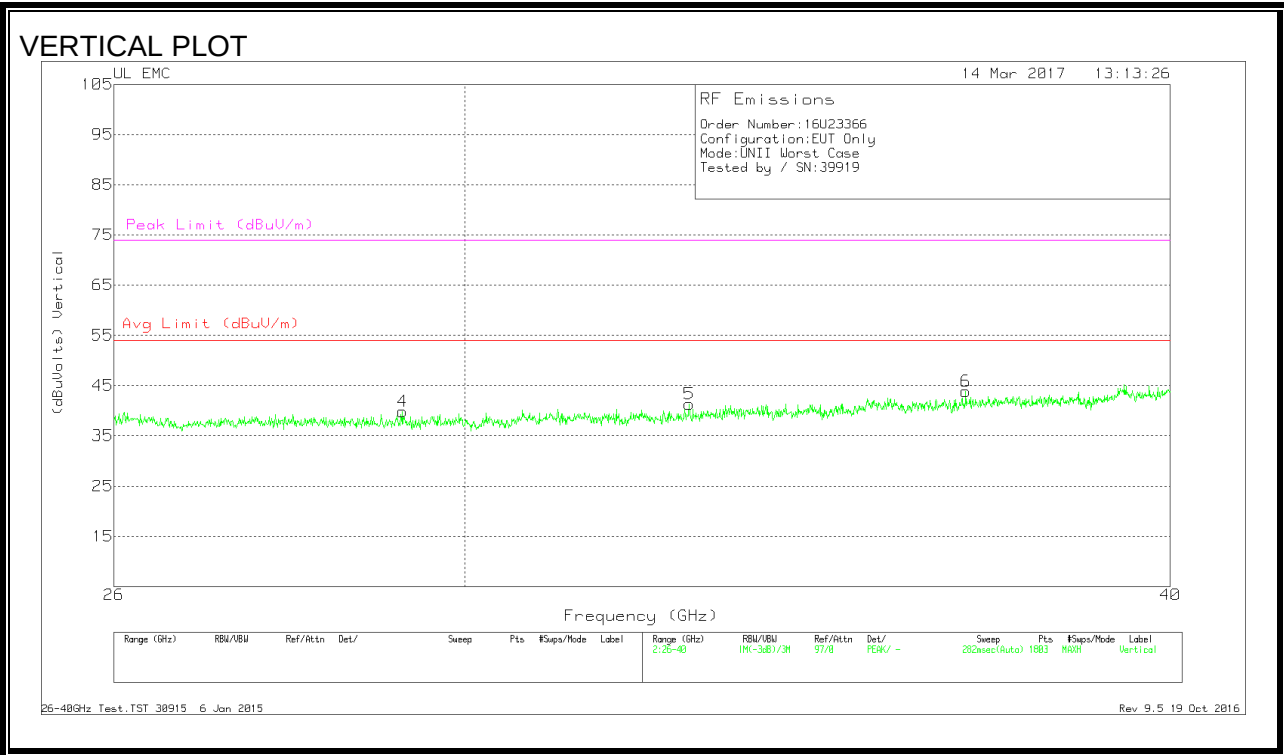
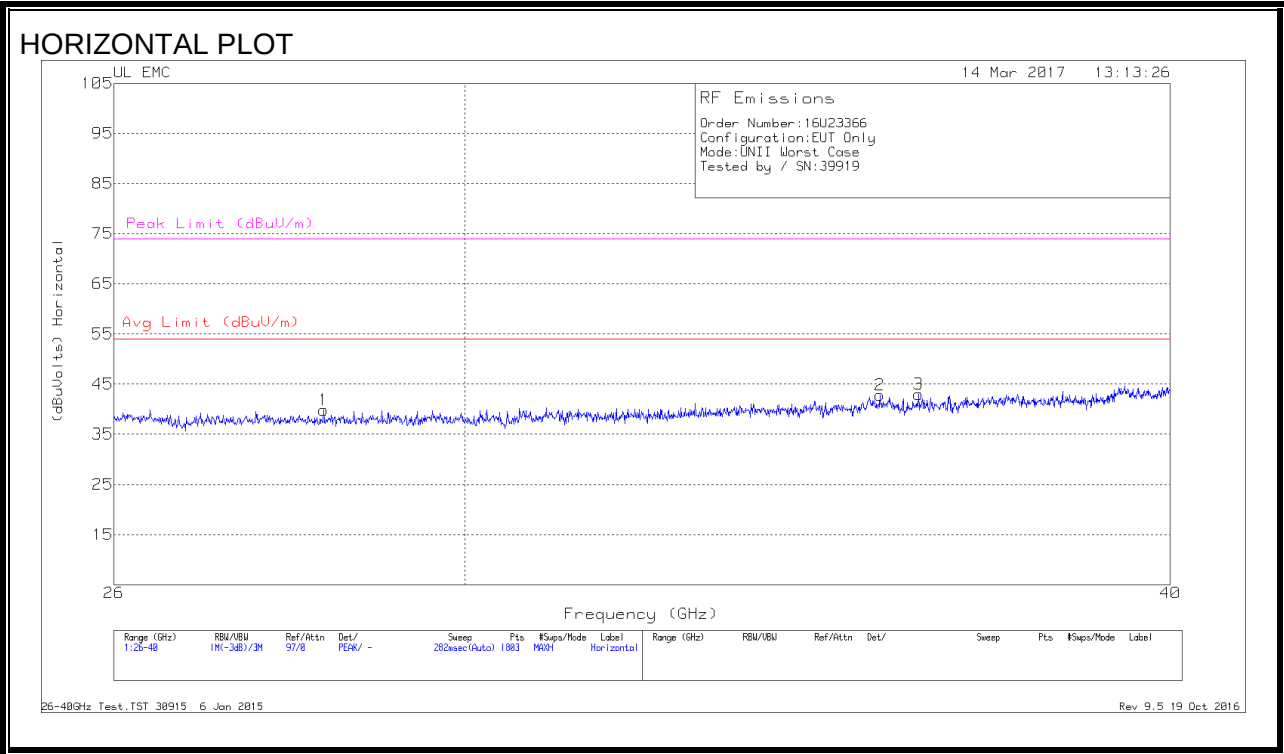
Pk - Peak detector

18-26GHz Test.TST 30915 6 Jan 2015

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9.4. WORST-CASE 26 to 40 GHz

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



DATA

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	T90 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Correcte d Reading (dBuVOLT s)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)
1	28.323	45.53	Pk	35.8	-32	-9.5	39.83	54	-14.17	74	-34.17
2	35.533	48.23	Pk	37.8	-33.7	-9.5	42.833	54	-11.17	74	-31.17
3	36.1	49.8	Pk	37.2	-34.5	-9.5	43	54	-11	74	-31
4	29.248	46.23	Pk	35.9	-32.8	-9.5	39.83	54	-14.17	74	-34.17
5	32.876	47.73	Pk	36.6	-33.5	-9.5	41.33	54	-12.67	74	-32.67
6	36.799	50.83	Pk	37.1	-34.6	-9.5	43.83	54	-10.17	74	-30.17

Pk - Peak detector

26-40GHz Test.TST 30915 6 Jan 2015

Rev 9.5 19 Oct 2016