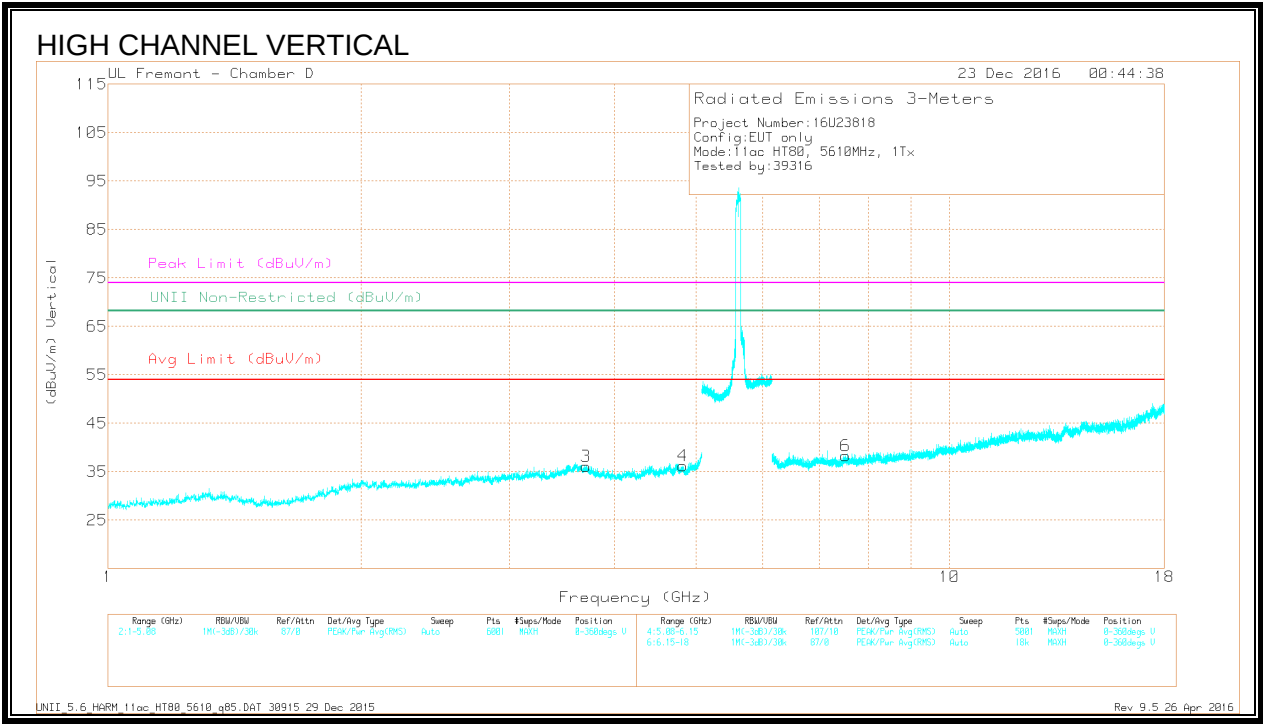
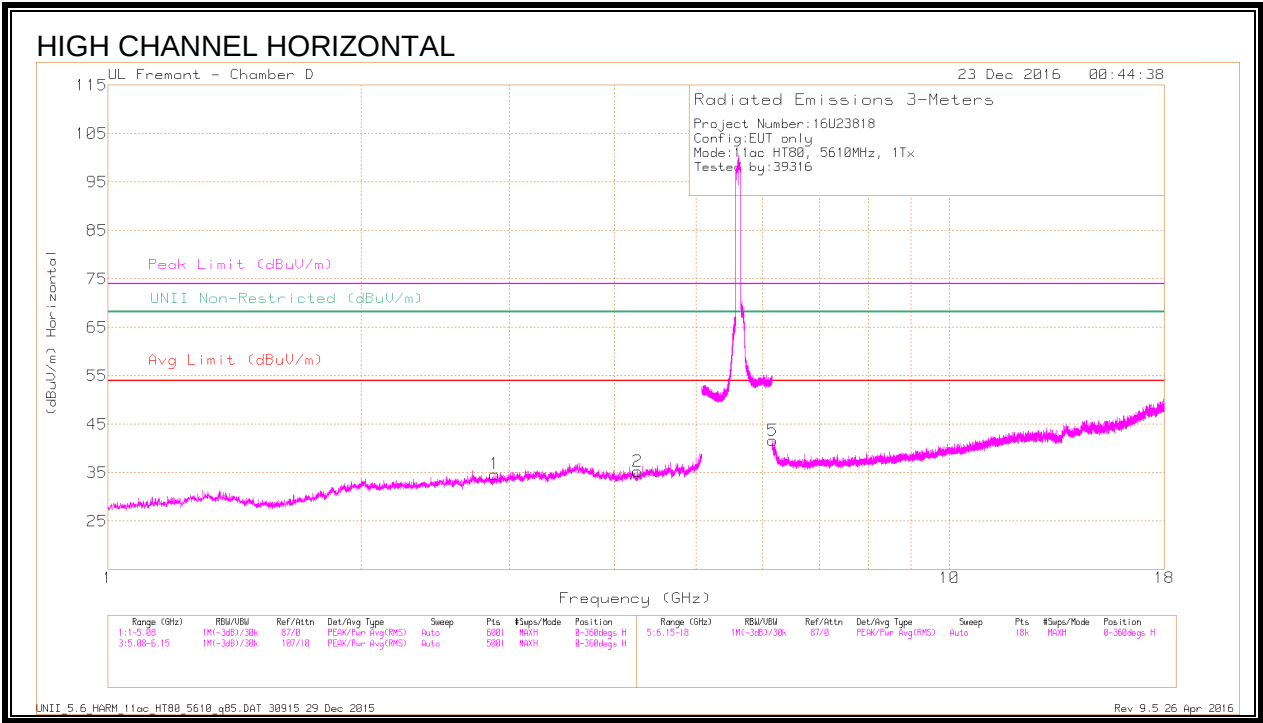


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T120 (dBm)	AmpCdbFit r(Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Acimuth (Degs)	Height (cm)	Polarity
1	* 2.793	46.78	PK-U	32.6	-37.7	0	41.68	-	-	74	-32.32	-	-	161	378	H
	* 2.793	35.19	ADR	32.6	-37.7	.2	30.29	54	-23.71	-	-	-	-	161	378	H
2	* 4.727	43.86	PK-U	34	-34.3	0	43.56	-	-	74	-30.44	-	-	356	375	H
	* 4.728	32.54	ADR	34	-34.3	.2	32.44	54	-21.56	-	-	-	-	356	375	H
3	* 3.606	43.08	PK-U	34.9	-35.7	0	42.28	-	-	74	-31.72	-	-	288	253	V
	* 3.606	32.77	ADR	34.9	-35.7	.2	32.17	54	-21.83	-	-	-	-	288	253	V
4	* 4.205	42.63	PK-U	33.4	-34.8	0	41.23	-	-	74	-32.77	-	-	8	356	V
	* 4.208	32.58	ADR	33.4	-34.7	.2	31.48	54	-22.52	-	-	-	-	8	356	V
5	13.75	36.9	PK-U	39.1	-24.3	0	51.7	-	-	-	-	68.2	-16.5	215	340	H
6	* 7.545	40.2	PK-U	35.8	-31.2	0	44.8	-	-	74	-29.2	-	-	111	314	V
	* 7.544	29.48	ADR	35.8	-31.2	.2	34.28	54	-19.72	-	-	-	-	111	314	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



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T120 (dBm)	AmpCdbFit 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)	Acimuth (Degs)	Height (cm)	Polarity
1	* 2.88	45.83	PK-U	32.8	-37.6	0	41.03	-	-	74	-32.97	-	-	134	185	H
	* 2.881	35.42	ADR	32.8	-37.6	.2	30.82	54	-23.18	-	-	-	-	134	185	H
2	* 4.26	43.34	PK-U	33.4	-34.9	0	41.84	-	-	74	-32.16	-	-	188	169	H
	* 4.261	32.91	ADR	33.4	-34.9	.2	31.61	54	-22.39	-	-	-	-	188	169	H
3	* 3.701	44.74	PK-U	34.9	-36.1	0	43.54	-	-	74	-30.46	-	-	311	234	V
	* 3.703	34.18	ADR	34.9	-36.1	.2	33.18	54	-20.82	-	-	-	-	311	234	V
4	* 4.82	44.06	PK-U	34	-34.5	0	43.56	-	-	74	-30.44	-	-	289	242	V
	* 4.82	33.31	ADR	34	-34.5	.2	33.01	54	-20.99	-	-	-	-	289	242	V
5	6.166	43.98	PK-U	35.5	-31.9	0	47.58	-	-	-	-	68.2	-20.62	218	278	H
6	* 7.528	41.63	PK-U	35.8	-31.1	0	46.33	-	-	74	-27.67	-	-	85	327	V

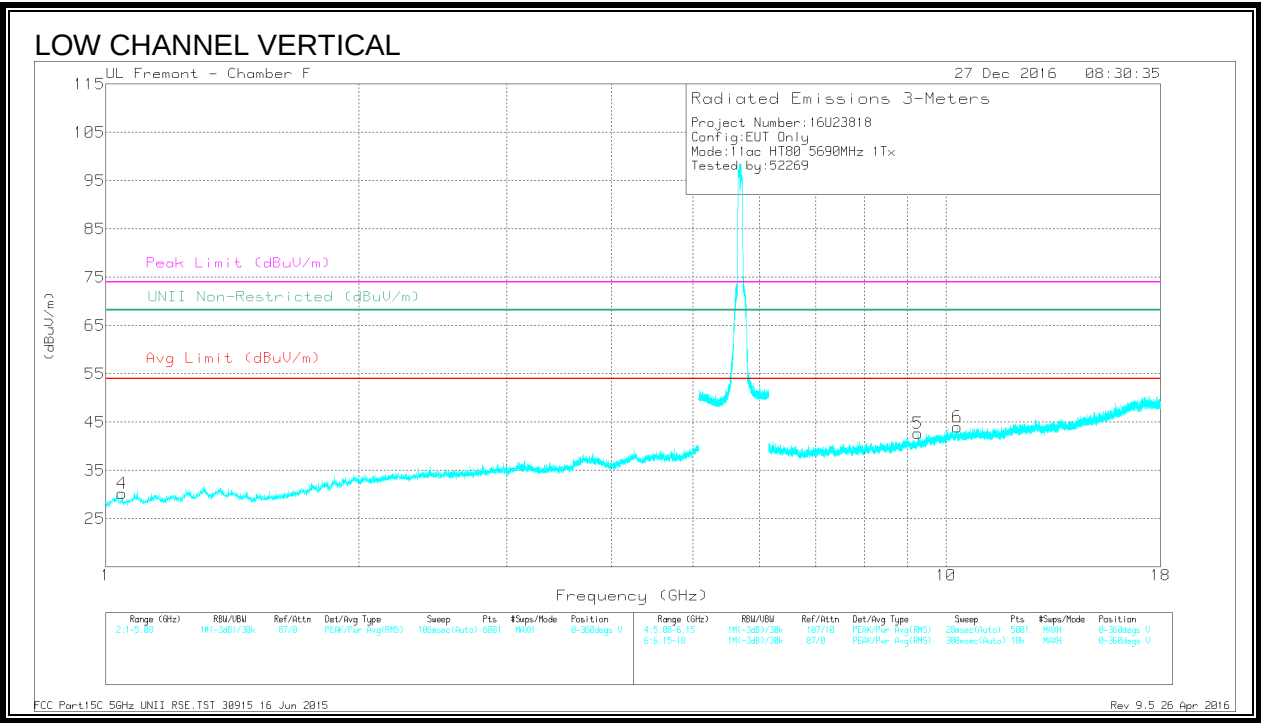
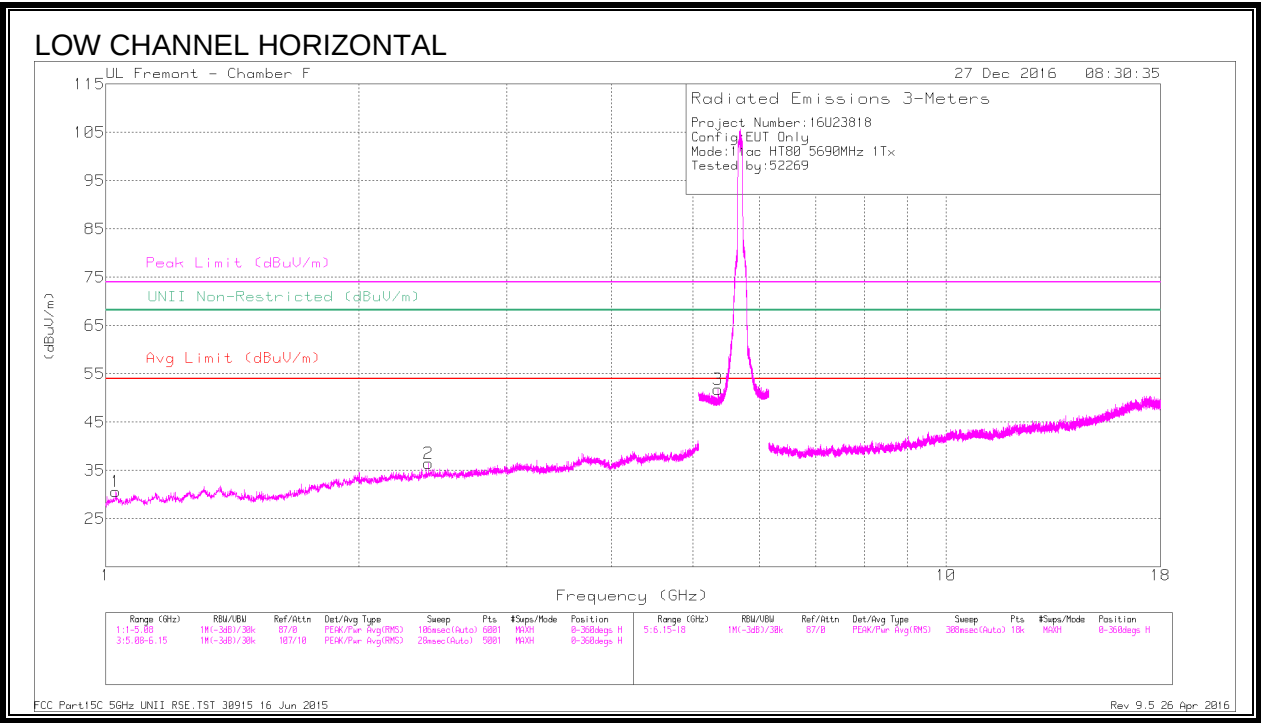
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

9.2.34. 11ac HT80 ANTENNA B SISO STRADDLE CHANNEL 138

HARMONICS AND SPURIOUS EMISSIONS



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dBm)	Ampl/Cbll/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
1	* 1.026	41.29	PK-U	27.7	-32.4		36.59	-	-	74	-37.41	-	-	72	340	H
	* 1.03	30.29	ADR	27.7	-32.4	.2	25.79	54	-28.21	-	-	-	-	72	340	H
2	2.419	40.45	PK-U	32.2	-30.6		42.05	-	-	-	-	68.2	-26.15	72	392	H
3	* 5.357	41.05	PK-U	34.5	-18.6		56.95	-	-	74	-17.05	-	-	281	145	H
	* 5.358	30.28	ADR	34.5	-18.6	.2	46.38	54	-7.62	-	-	-	-	281	145	H
4	* 1.044	40.87	PK-U	27.8	-32.3		36.37	-	-	74	-37.63	-	-	161	243	V
	* 1.045	29.7	ADR	27.8	-32.3	.2	25.4	54	-28.6	-	-	-	-	161	243	V
5	9.256	34.13	PK-U	36.2	-22.5		47.83	-	-	-	-	68.2	-20.37	218	186	V
6	10.312	33.29	PK-U	37.3	-21.7		48.89	-	-	-	-	68.2	-19.31	178	253	V

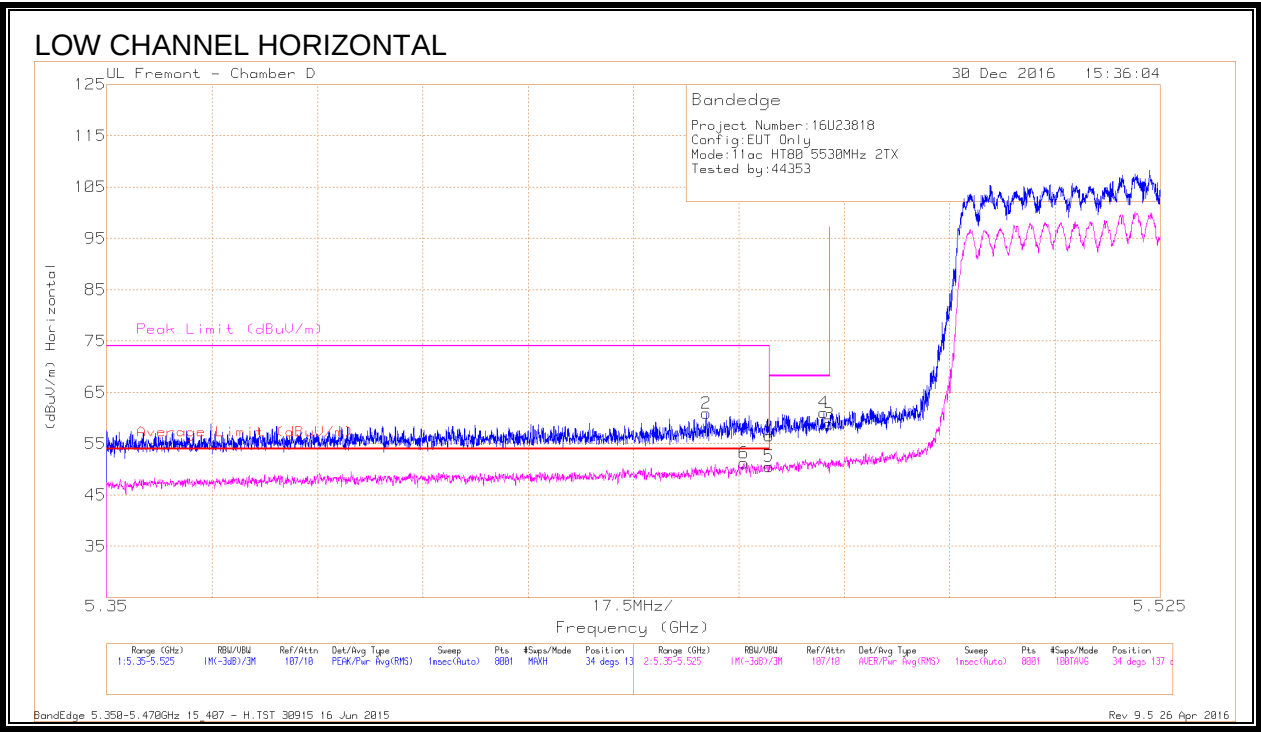
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

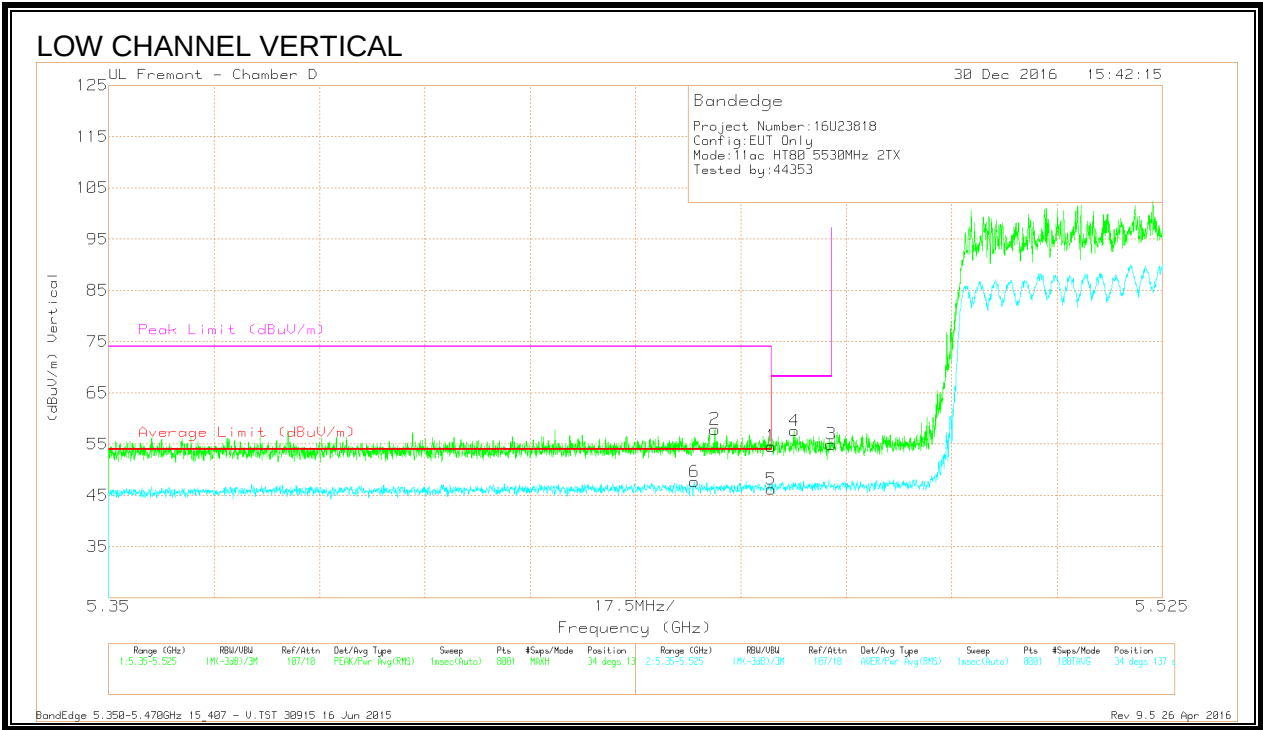
9.2.35. 11ac HT80 2TX CDD MIMO MODE IN THE 5.6GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dBm)	Ampl/Cb/IF/It r/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	40.04	Pk	34.4	-17.9	0	56.54	-	-	74	-17.46	34	137	H
2	* 5.45	44.64	Pk	34.4	-18.1	0	60.94	-	-	74	-13.06	34	137	H
3	5.47	42.34	Pk	34.4	-17.9	0	58.84	-	-	68.2	-9.36	34	137	H
4	5.469	44.54	Pk	34.4	-17.9	0	61.04	-	-	68.2	-7.16	34	137	H
5	* 5.46	33.86	RMS	34.4	-17.9	.19	50.55	54	-3.45	-	-	34	137	H
6	* 5.456	34.62	RMS	34.4	-18	.19	51.21	54	-2.79	-	-	34	137	H

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

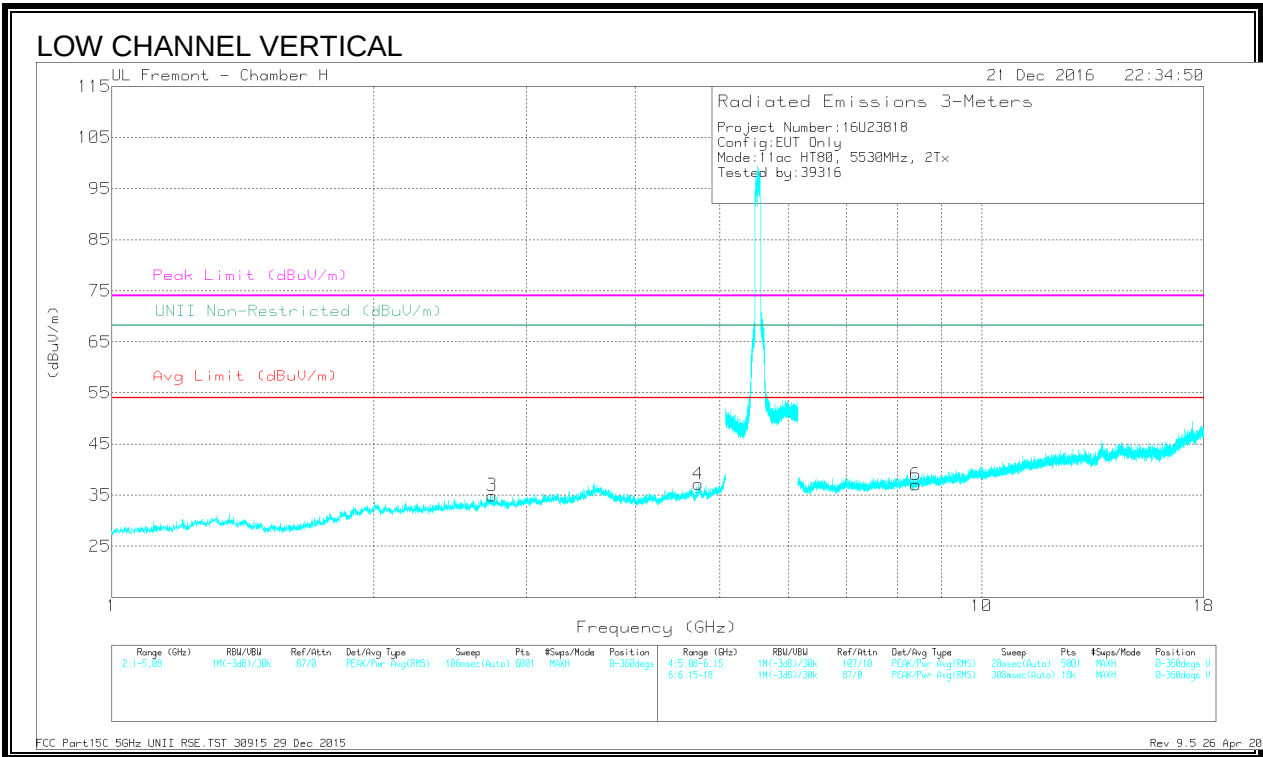
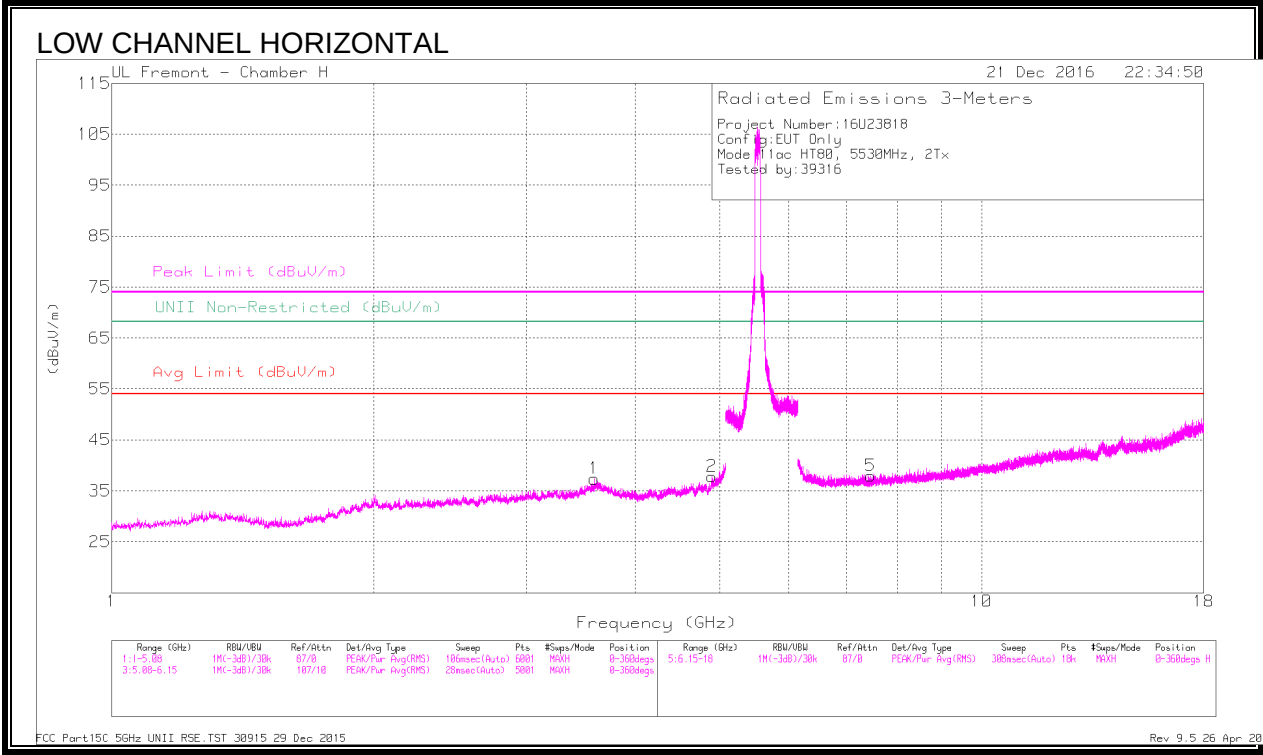


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dBm)	Ampl/CbWfIt rPad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 5.46	38.1	Pk	34.4	-17.9	0	54.6	-	-	74	-19.4	34	137	V
2	* 5.451	41.51	Pk	34.4	-18	0	57.91	-	-	74	-16.09	34	137	V
3	5.47	38.48	Pk	34.4	-17.9	0	54.98	-	-	68.2	-13.22	34	137	V
4	5.464	41.11	Pk	34.4	-17.9	0	57.61	-	-	68.2	-10.59	34	137	V
5	* 5.46	29.48	RMS	34.4	-17.9	.19	46.17	54	-7.83	-	-	34	137	V
6	* 5.447	31.18	RMS	34.4	-18.1	.19	47.67	54	-6.33	-	-	34	137	V

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

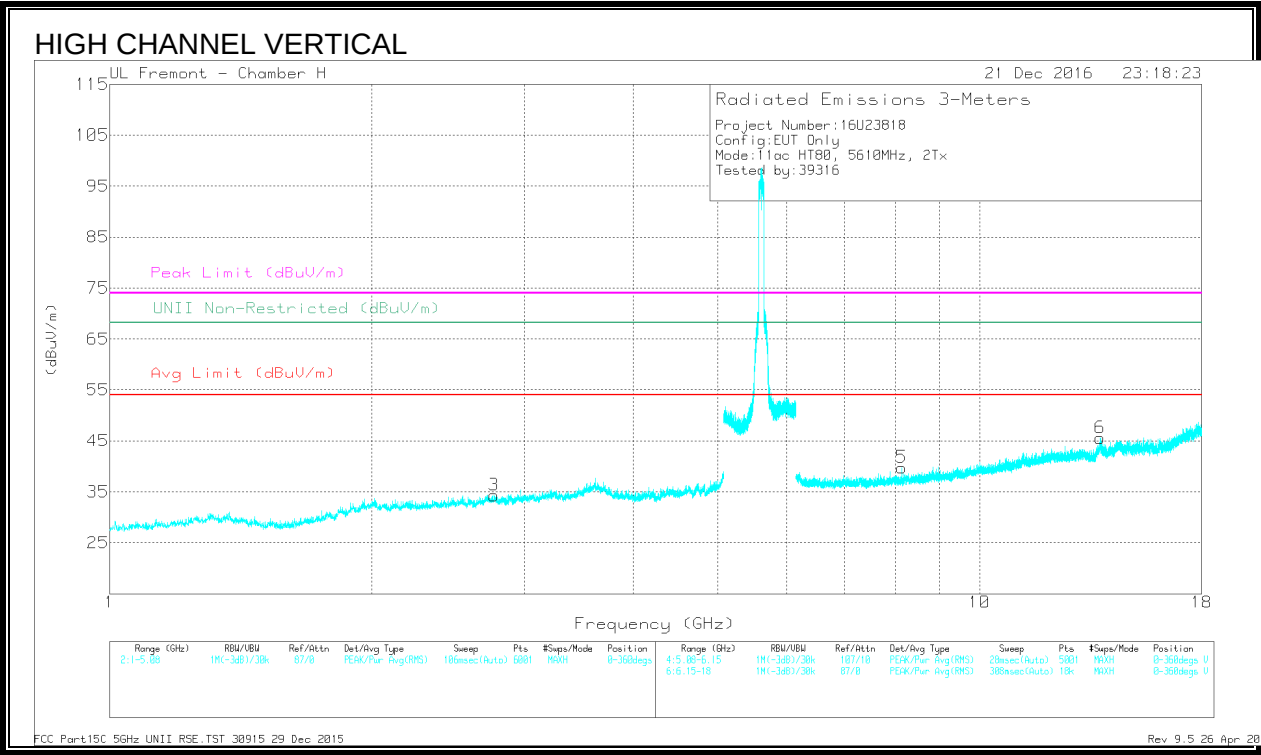
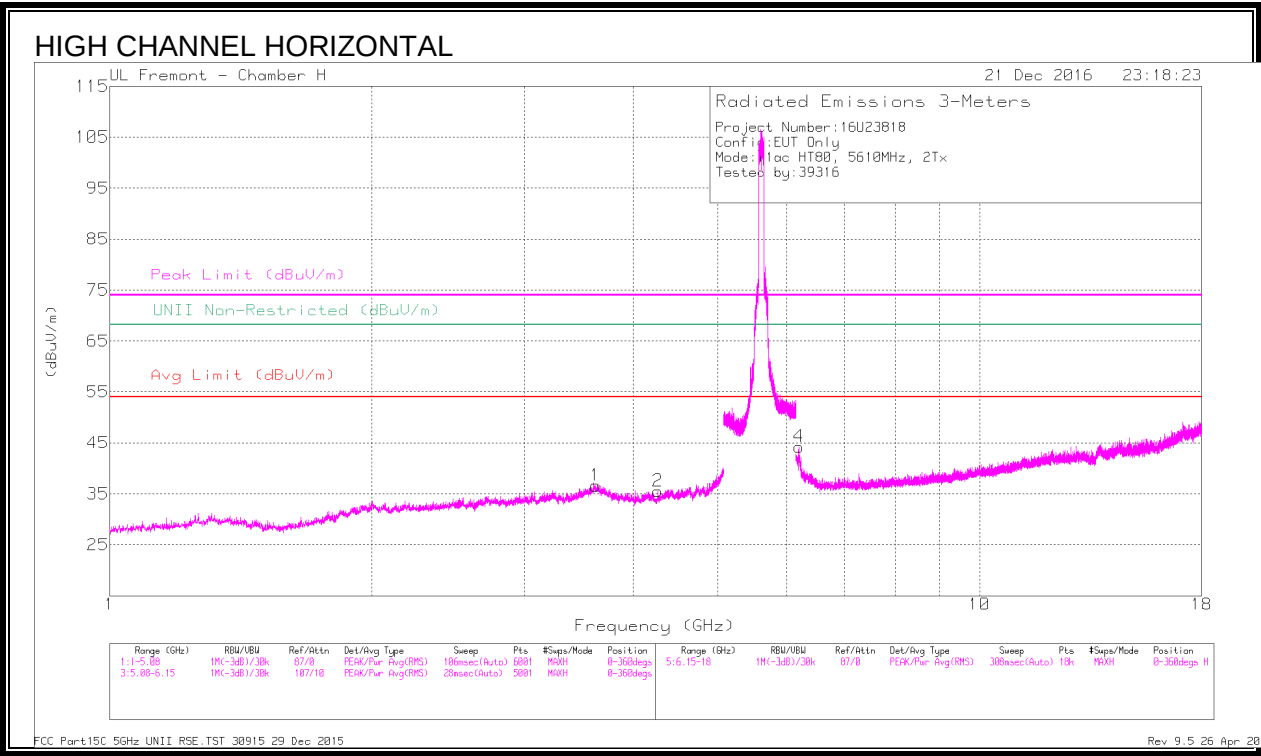
Pk - Peak detector

RMS - RMS detection



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T120 (dBuV)	Amp/Ctrl/Filt/ Post (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	U-NII Non-Restricted (dBuV/m)	PK Margin (dB)	Acimuth (Degs)	Height (cm)	Polarity
1	* 3.588	44.89	PK-U	34.9	-35.8	0	43.99	-	-	74	-30.01	-	-	257	291	H
	* 3.59	33.41	ADR	34.9	-35.7	.19	32.80	54	-21.18	-	-	-	-	257	291	H
2	* 4.9	43.42	PK-U	34	-33.6	0	43.82	-	-	74	-30.18	-	-	257	159	H
	* 4.899	32.19	ADR	34	-33.6	.19	32.78	54	-21.22	-	-	-	-	257	159	H
3	* 2.737	46.81	PK-U	32.6	-37.8	0	41.61	-	-	74	-32.39	-	-	284	293	V
	* 2.735	35.3	ADR	32.6	-37.8	.19	30.29	54	-23.71	-	-	-	-	284	293	V
4	* 4.721	43	PK-U	34	-34.3	0	42.7	-	-	74	-31.3	-	-	0	109	V
	* 4.723	32.11	ADR	34	-34.4	.19	31.90	54	-22.10	-	-	-	-	0	109	V
5	* 7.451	39.87	PK-U	35.7	-31.5	0	44.07	-	-	74	-29.93	-	-	6	389	H
	* 7.45	28.75	ADR	35.7	-31.5	.19	33.14	54	-20.86	-	-	-	-	6	389	H
6	* 8.4	40.65	PK-U	35.8	-30.5	0	45.95	-	-	74	-28.05	-	-	291	311	V
	* 8.403	28.13	ADR	35.8	-30.5	.19	33.62	54	-20.38	-	-	-	-	291	311	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



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T120 (dBuV)	Amp/Ctrl/Filt/ Post (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)	Acimuth (Degs)	Height (cm)	Polarity
1	* 3.617	43.72	PK-U	34.9	-35.7	0	42.92	-	-	74	-31.08	-	-	183	239	H
	* 3.617	32.14	ADR	34.9	-35.7	.19	31.53	54	-22.47	-	-	-	-	183	239	H
2	* 4.271	42.98	PK-U	33.4	-35	0	41.38	-	-	74	-32.62	-	-	25	362	H
	* 4.27	32.16	ADR	33.4	-34.9	.19	30.85	54	-23.15	-	-	-	-	25	362	H
3	* 2.766	46.78	PK-U	32.6	-37.8	0	41.58	-	-	74	-32.42	-	-	286	344	V
	* 2.765	35.54	ADR	32.6	-37.8	.19	30.53	54	-23.47	-	-	-	-	286	344	V
4	6.198	47.55	PK-U	35.5	-31.7	0	51.35	-	-	-	-	68.2	-16.85	198	121	H
5	* 8.143	40.34	PK-U	35.9	-30.6	0	45.64	-	-	74	-28.36	-	-	71	325	V
	* 8.144	28.54	ADR	35.9	-30.6	.19	34.03	54	-19.97	-	-	-	-	71	325	V
6	13.754	36.92	PK-U	39.1	-24.1	0	51.92	-	-	-	-	68.2	-16.28	132	113	V

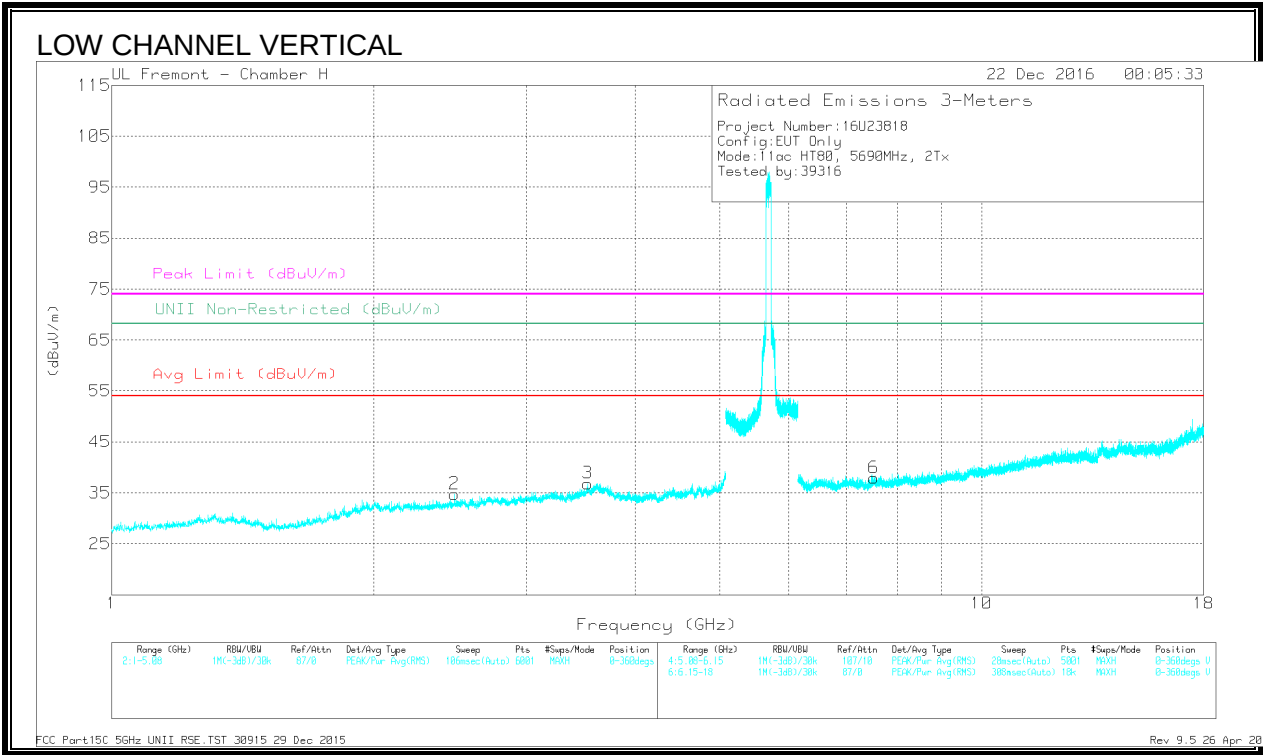
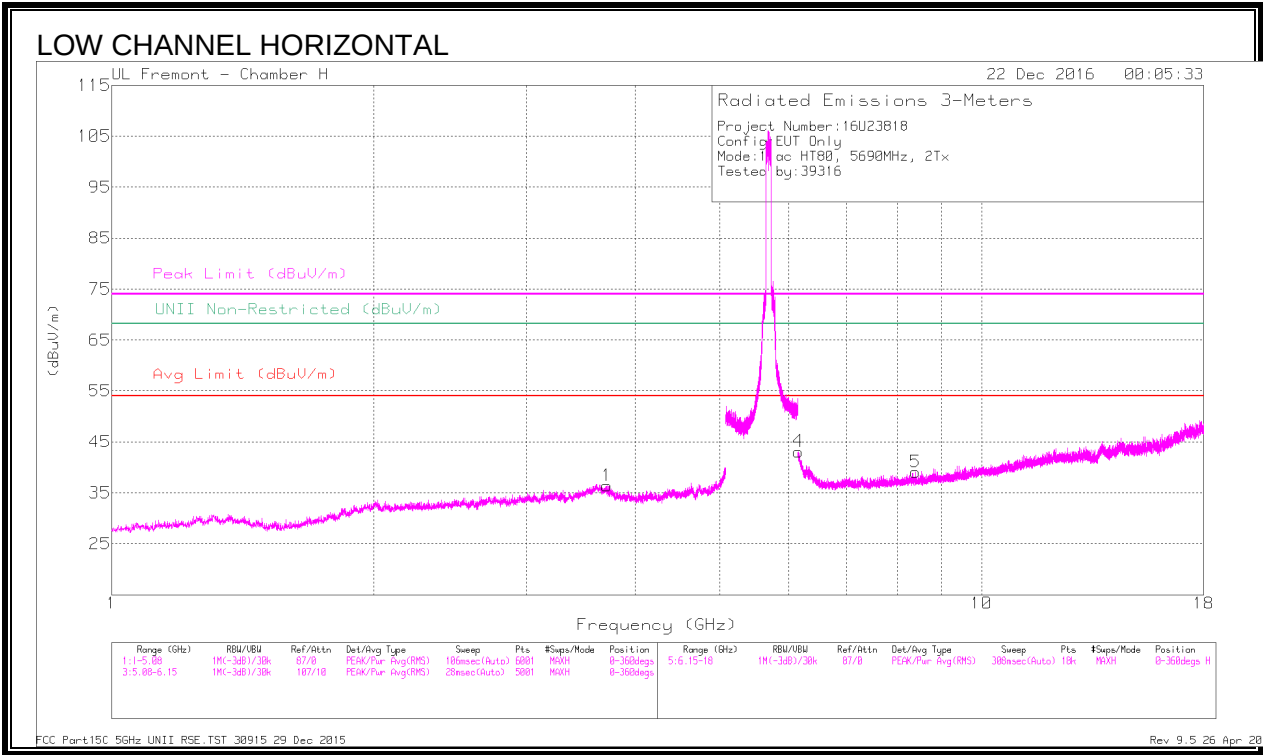
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

9.2.36. 11ac HT80 2TX CDD MIMO STRADDLE CHANNEL 138

HARMONICS AND SPURIOUS EMISSIONS



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T120 (dBuV)	Amp/CbI/Ftr Post (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	U-NII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.71	44.87	PK-U	34.8	-36.1	0	43.57	-	-	74	-30.43	-	-	296	128	H
	* 3.71	33.84	ADR	34.8	-36.1	.19	32.73	54	-21.27	-	-	-	-	296	128	H
2	2.477	46.87	PK-U	32.2	-38.1	0	40.97	-	-	-	-	68.2	-27.23	179	249	V
3	* 3.527	45.27	PK-U	34.4	-36.2	0	43.47	-	-	74	-30.53	-	-	192	353	V
	* 3.527	33.99	ADR	34.4	-36.2	.19	32.38	54	-21.62	-	-	-	-	192	353	V
4	6.158	47.86	PK-U	35.5	-31.9	0	51.46	-	-	-	-	68.2	-16.74	203	173	H
5	* 8.391	40.02	PK-U	35.8	-30.5	0	45.32	-	-	74	-28.68	-	-	161	303	H
	* 8.393	28.51	ADR	35.8	-30.5	.19	34.00	54	-2	-	-	-	-	161	303	H
6	* 7.517	39.1	PK-U	35.8	-30.9	0	44	-	-	74	-30	-	-	170	221	V
	* 7.519	28.47	ADR	35.8	-30.9	.19	33.56	54	-20.44	-	-	-	-	170	221	V

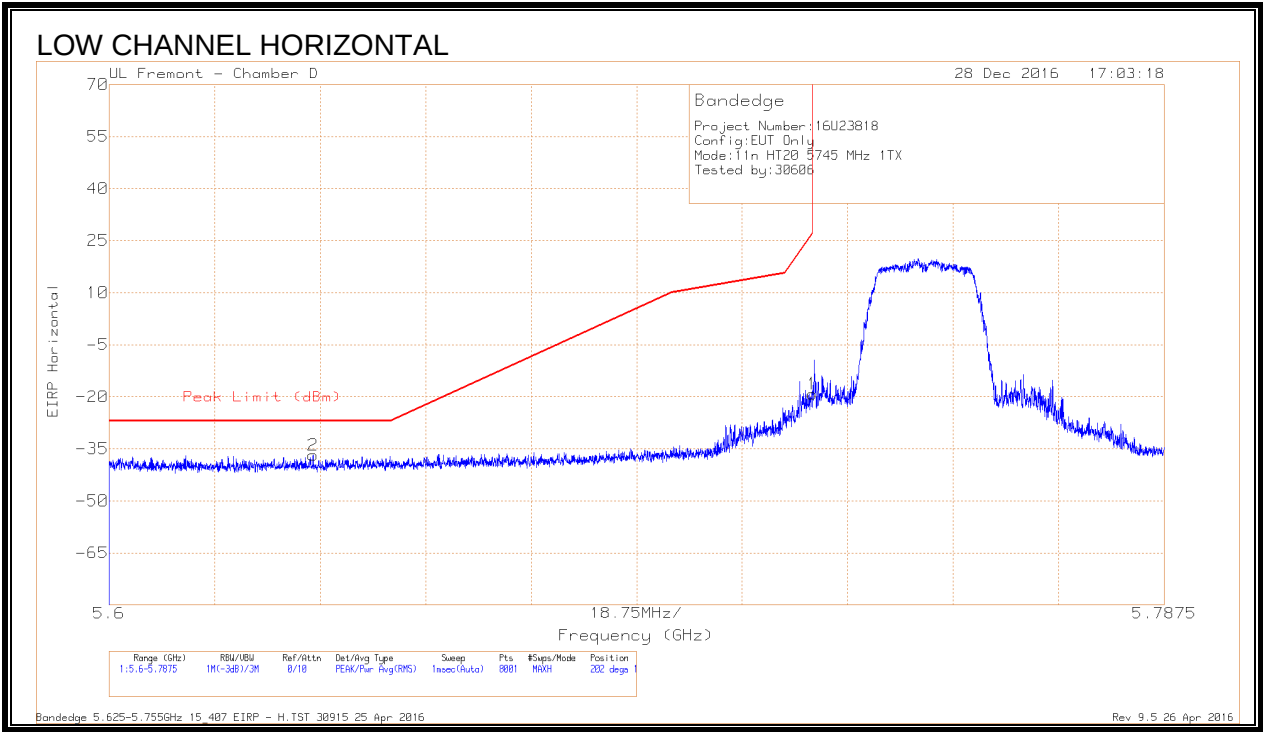
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

9.2.37. 11n HT20 ANTENNA A SISO MODE IN THE 5.8GHz BAND

RESTRICTED BANDEGE (LOW CHANNEL)

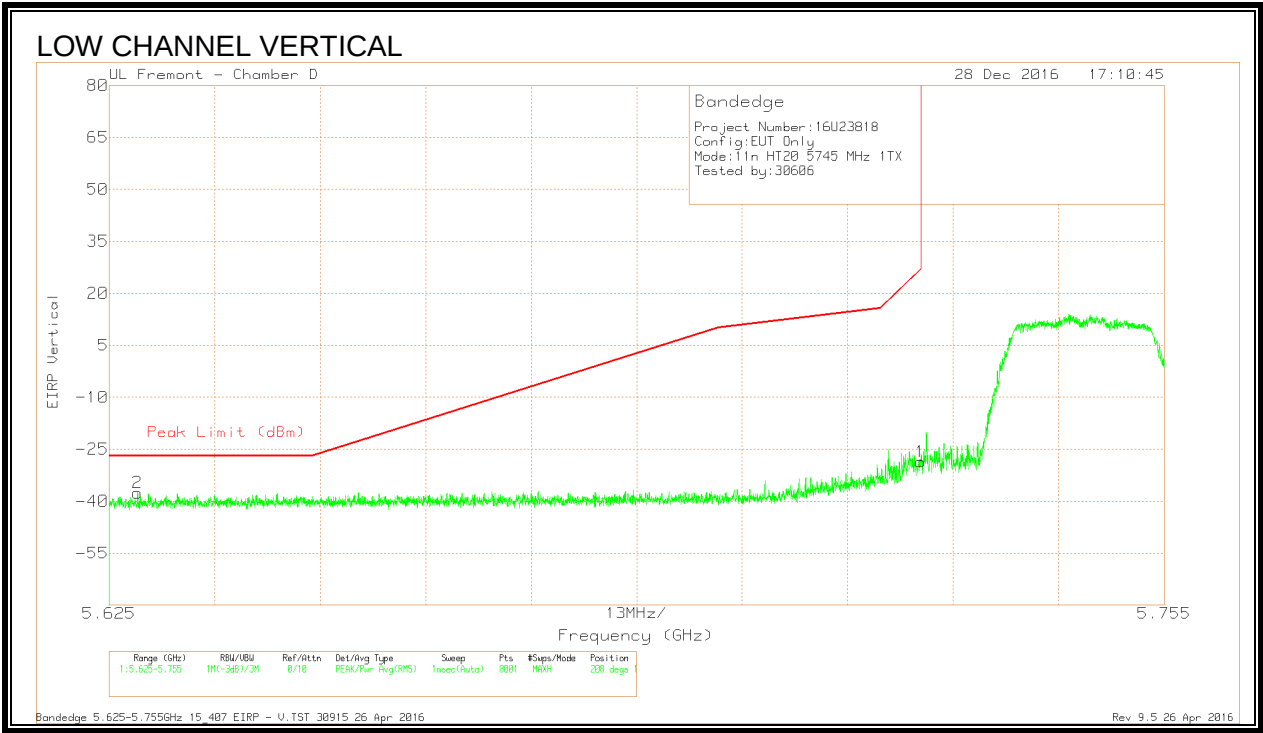


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T712 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.636	-65.76	Pk	34.6	-17.5	11.8	-36.86	-27	-9.86	202	147	H
1	5.725	-48.3	Pk	34.8	-17.5	11.8	-19.2	26.99	-46.19	202	147	H

Pk - Peak detector

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

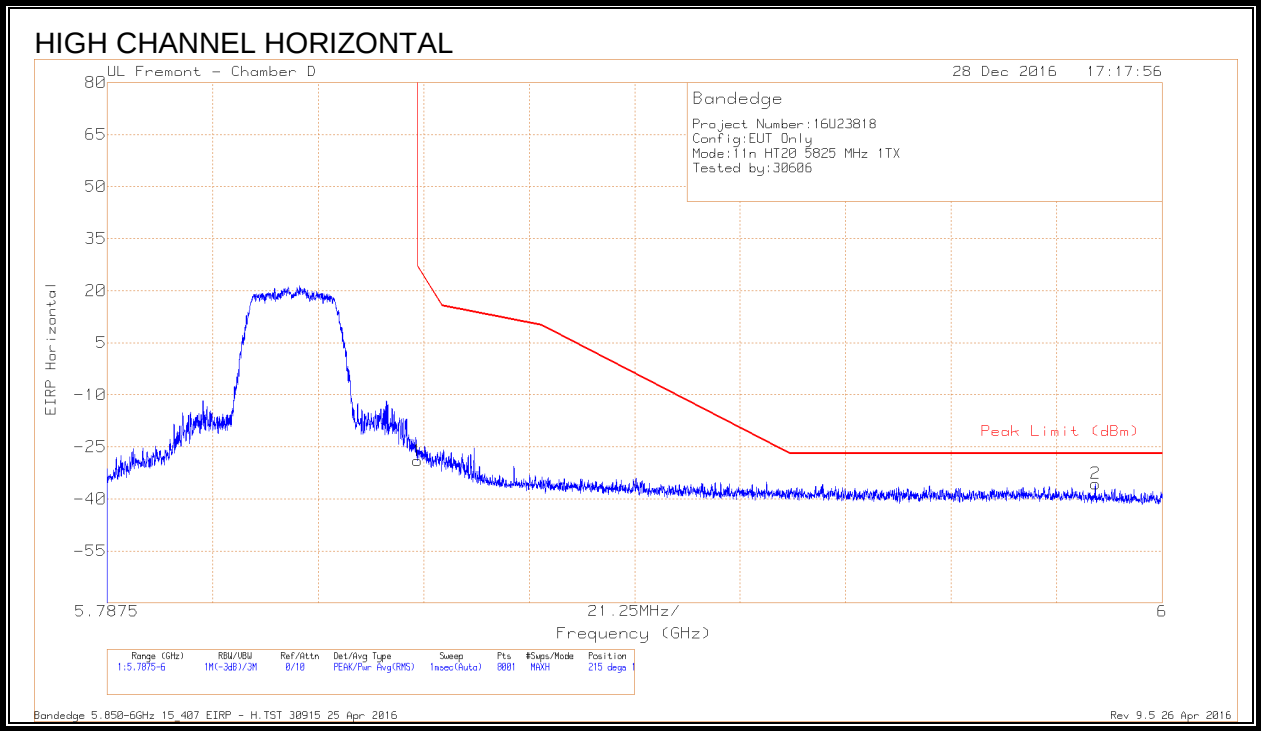
Rev 9.5 26 Apr 2016



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T712 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.629	-66.37	Pk	34.6	-17.6	11.8	-37.57	-27	-10.57	208	114	V
1	5.725	-57.77	Pk	34.8	-17.5	11.8	-28.67	26.97	-55.64	208	114	V

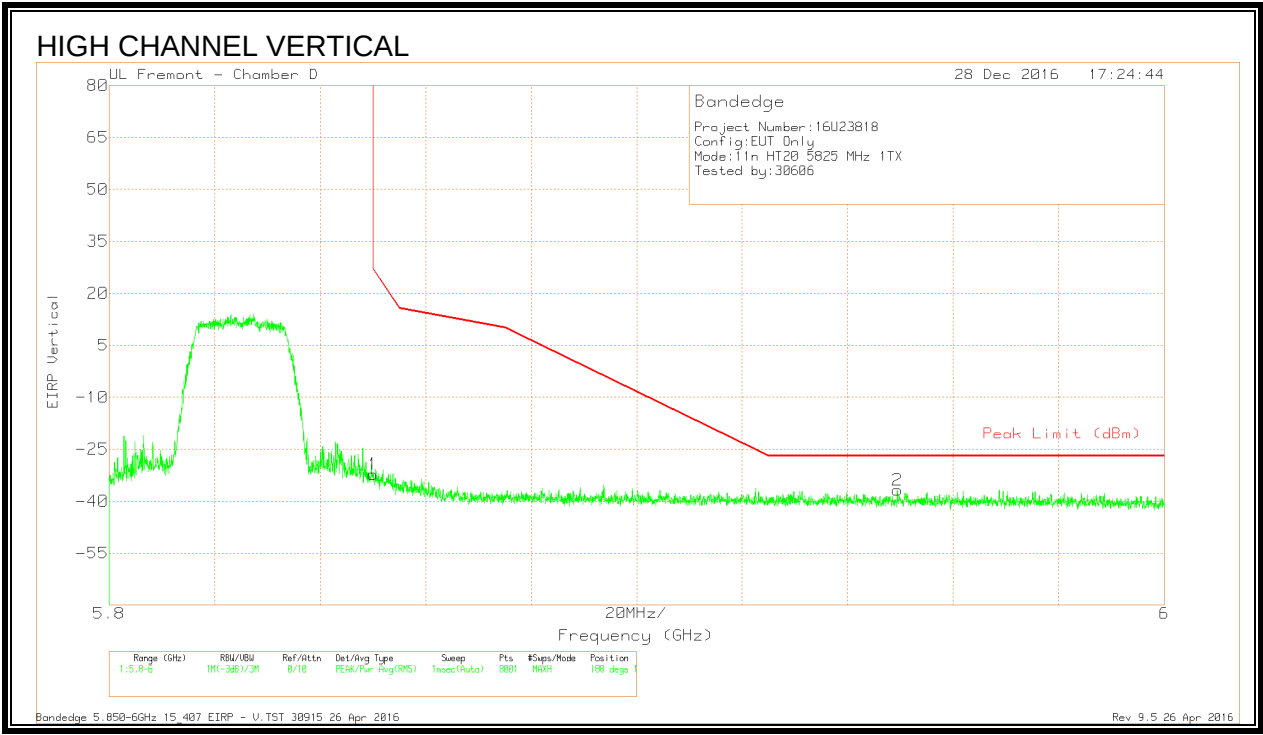
Pk - Peak detector

Bandedge 5.625-5.755GHz 15_407 EIRP - V.TST 30915 26 Apr 2016
Rev 9.5 26 Apr 2016



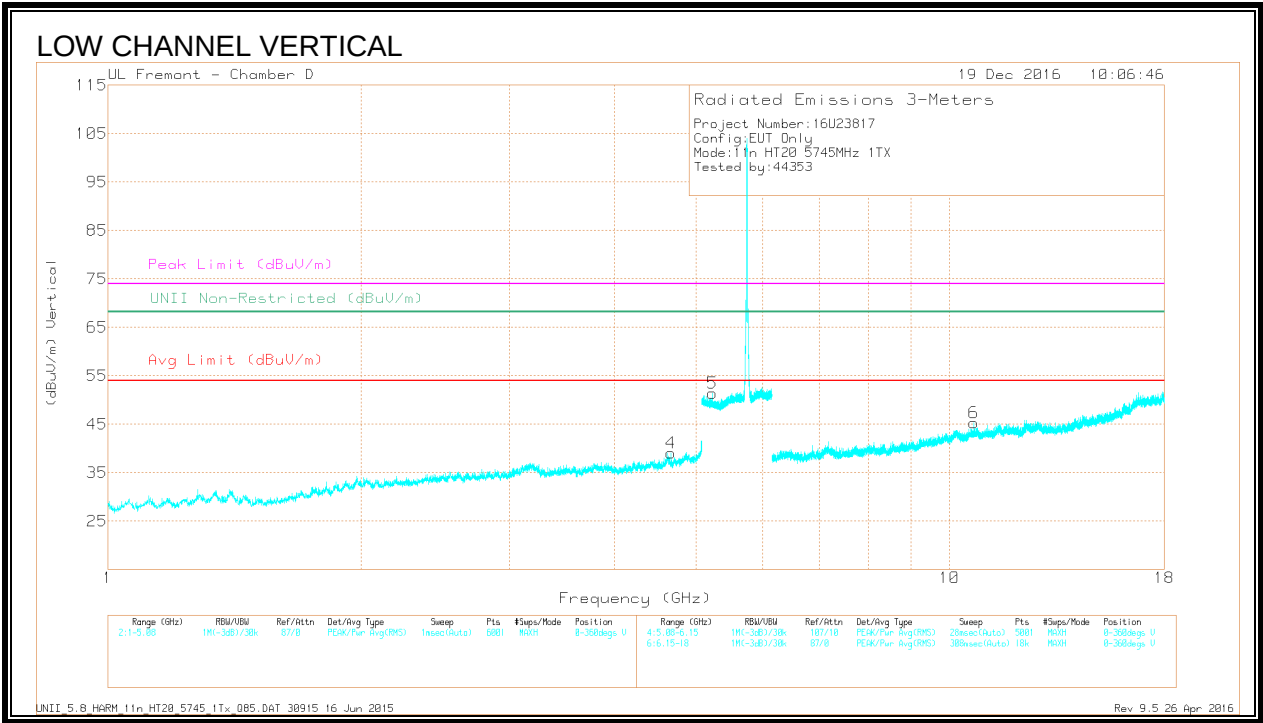
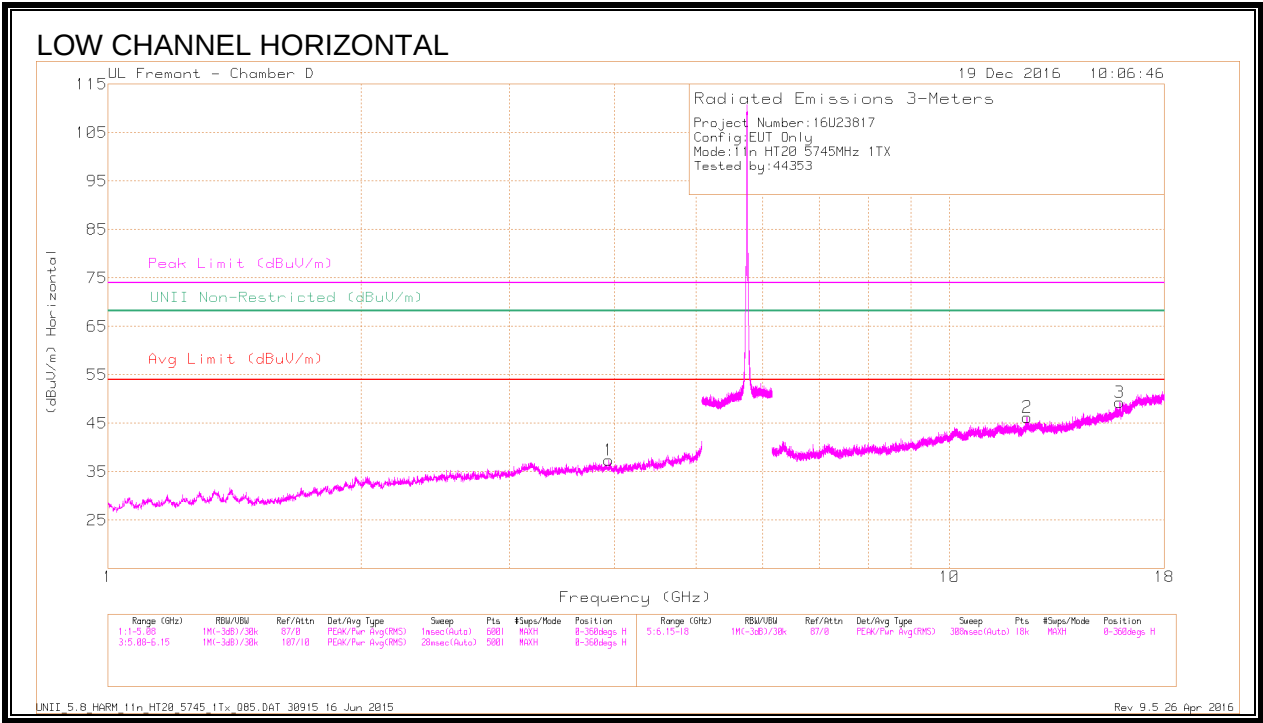
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T712 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-58.17	Pk	34.9	-17.5	11.8	-28.97	26.99	-55.96	215	105	H
2	5.987	-65.11	Pk	35.1	-17.4	11.8	-35.61	-27	-8.61	215	105	H

Pk - Peak detector
Bandedge 5.850-6GHz 15_407 EIRP - H.TST 30915 25 Apr 2016
Rev 9.5 26 Apr 2016



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-61.42	Pk	34.9	-17.5	11.8	-32.22	26.94	-59.16	188	101	V
2	5.949	-66.28	Pk	35	-17.3	11.8	-36.78	-27	-9.78	188	101	V

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



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Chl/Filt/ 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	* 3.937	37.47	PK-U	33.4	-28.1	42.77	-	-	74	-31.23	-	-	305	174	H
	* 3.937	27.51	ADR	33.4	-28.1	32.81	54	-21.19	-	-	-	-	305	174	H
4	* 4.663	37.44	PK-U	34.1	-27.7	43.84	-	-	74	-30.16	-	-	180	200	V
	* 4.664	27.87	ADR	34.1	-27.8	34.17	54	-19.83	-	-	-	-	180	200	V
2	* 12.372	34.46	PK-U	39	-21.1	52.36	-	-	74	-21.64	-	-	144	320	H
	* 12.37	23.91	ADR	39	-21.1	41.81	54	-12.19	-	-	-	-	144	320	H
3	* 15.919	34.33	PK-U	40.4	-20.1	54.63	-	-	74	-19.37	-	-	161	172	H
	* 15.921	24.79	ADR	40.4	-20	45.19	54	-8.81	-	-	-	-	161	172	H
6	* 10.692	34.94	PK-U	37.9	-21.7	51.14	-	-	74	-22.86	-	-	33	239	V
	* 10.692	24.55	ADR	37.9	-21.7	40.75	54	-13.25	-	-	-	-	33	239	V
5	5.228	40.38	PK-U	34.2	-18.2	56.38	-	-	-	-	68.2	-11.82	137	140	V

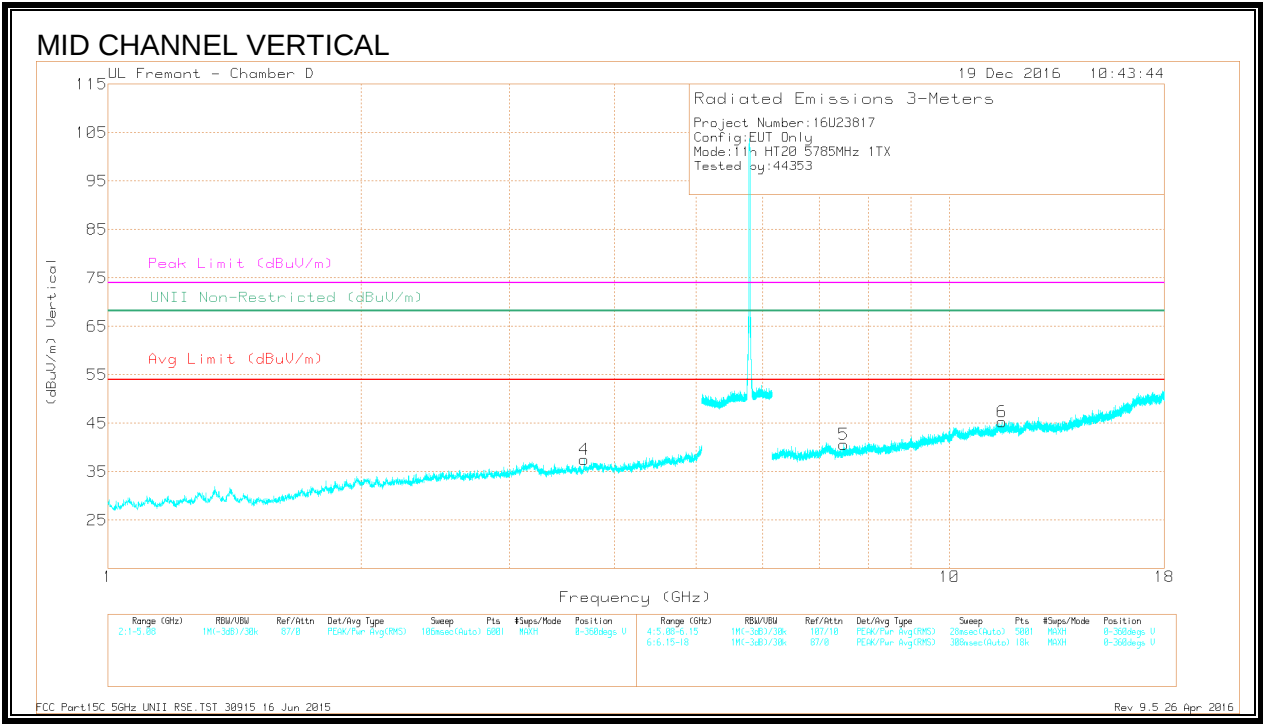
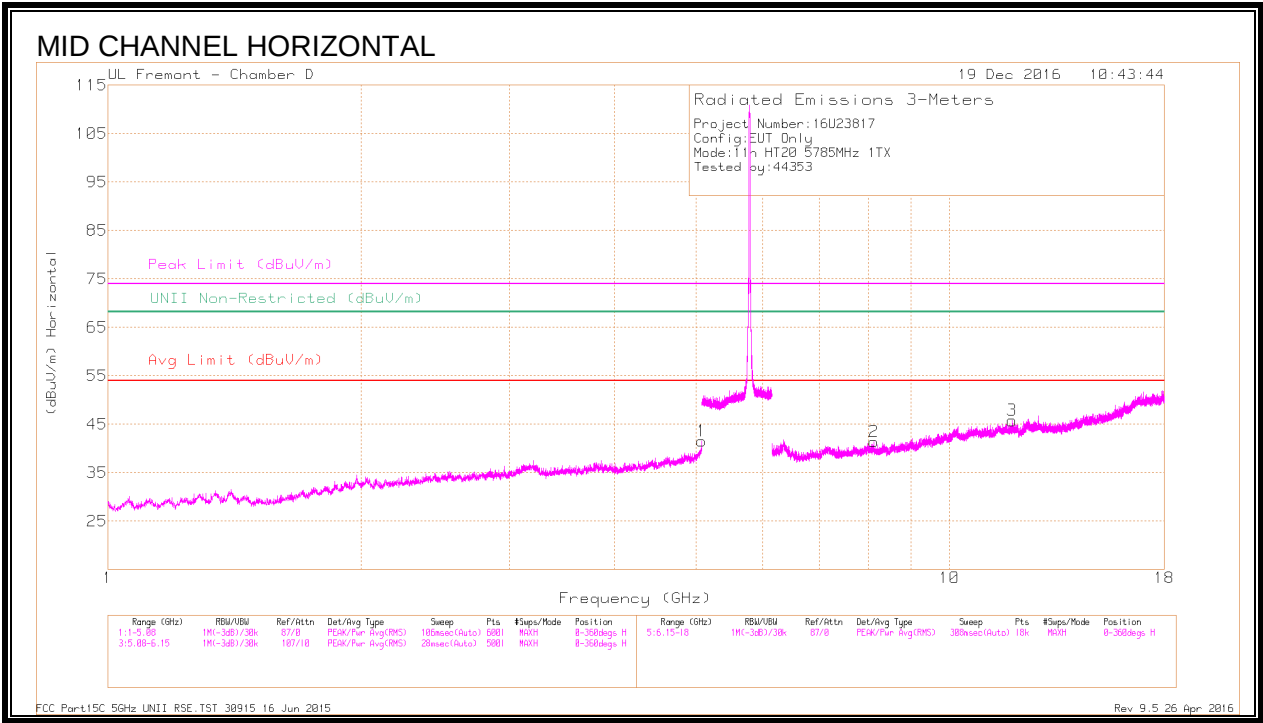
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

UNII_5.8_HARM_11n_HT20_5745_1Tx_Q85.DAT 30915 16 Jun 2015

Rev 9.5 26 Apr 2016



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filt/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	* 5.078	37.27	PK-U	34	-24.4	46.87	-	-	74	-27.13	-	-	267	329	H
	* 5.077	27.55	ADR	34	-24.5	37.05	54	-16.95	-	-	-	-	267	329	H
4	* 3.68	38.85	PK-U	33.5	-29	43.35	-	-	74	-30.65	-	-	112	166	V
	* 3.683	28.69	ADR	33.5	-28.9	33.29	54	-20.71	-	-	-	-	112	166	V
2	* 8.135	35.34	PK-U	35.8	-23.4	47.74	-	-	74	-26.26	-	-	85	261	H
	* 8.137	25.11	ADR	35.8	-23.6	37.31	54	-16.69	-	-	-	-	85	261	H
3	* 11.879	34.24	PK-U	38.8	-21.6	51.44	-	-	74	-22.56	-	-	195	152	H
	* 11.877	23.99	ADR	38.8	-21.6	41.19	54	-12.81	-	-	-	-	195	152	H
5	* 7.484	35.26	PK-U	35.7	-24.5	46.46	-	-	74	-27.54	-	-	26	200	V
	* 7.485	25.3	ADR	35.7	-24.5	36.5	54	-17.5	-	-	-	-	26	200	V
6	* 11.54	34.21	PK-U	38.4	-21.6	51.01	-	-	74	-22.99	-	-	231	289	V
	* 11.539	24.42	ADR	38.4	-21.6	41.22	54	-12.78	-	-	-	-	231	289	V

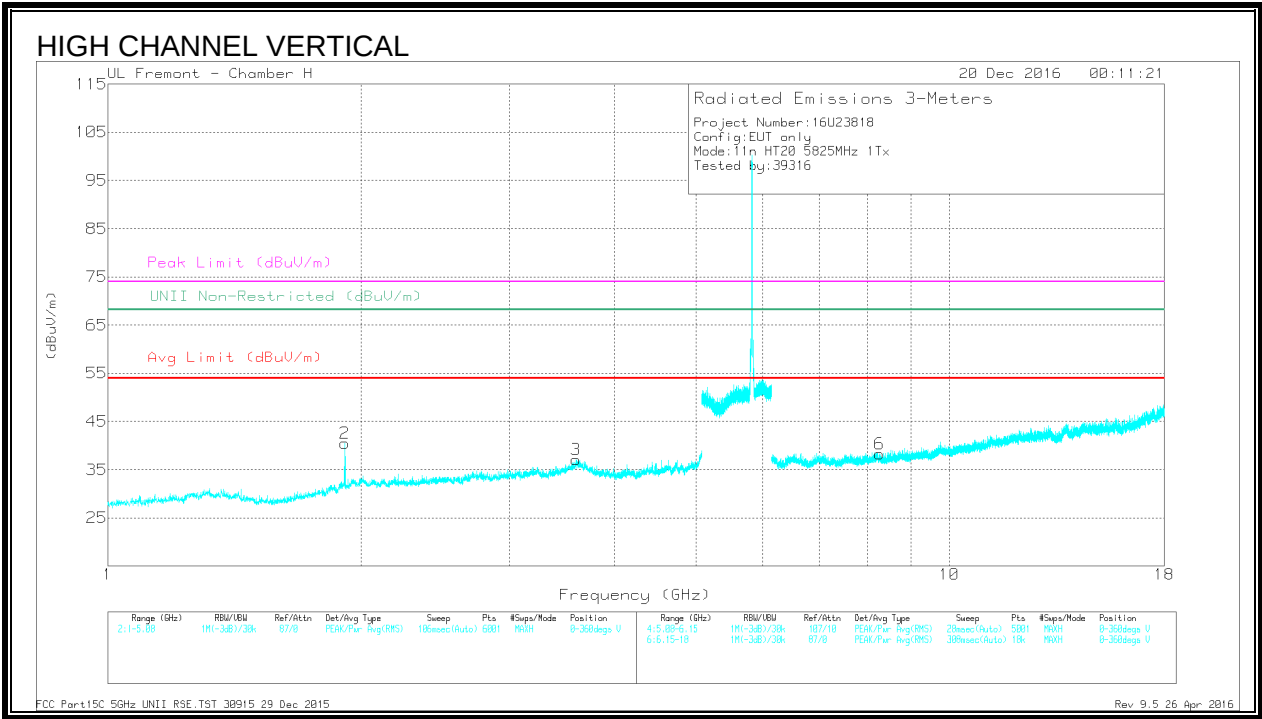
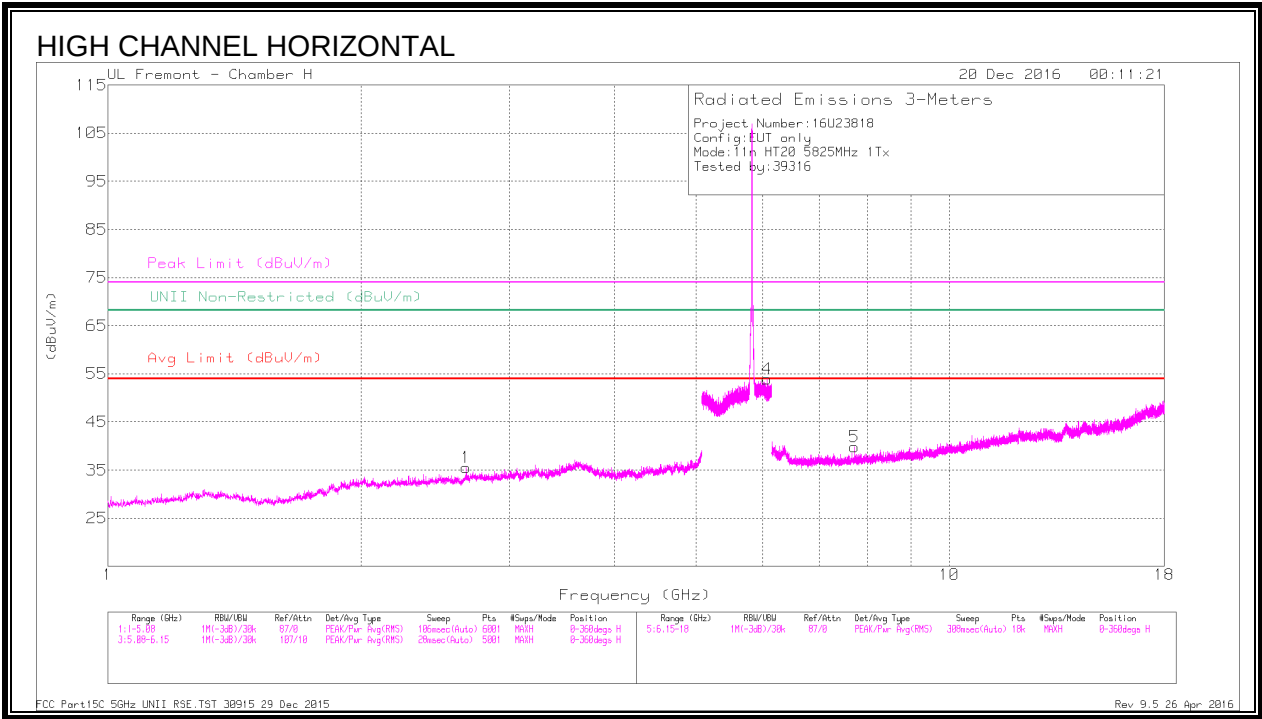
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cb/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.667	46.1	PK-U	32.5	-37.8	40.8	-	-	74	-33.2	-	-	93	175	H
	* 2.667	34.91	ADR	32.5	-37.8	29.61	54	-24.39	-	-	-	-	93	175	H
3	* 3.603	42.84	PK-U	34.9	-35.7	42.04	-	-	74	-31.96	-	-	69	310	V
	* 3.603	32.37	ADR	34.9	-35.7	31.57	54	-22.43	-	-	-	-	69	310	V
5	* 7.716	40.5	PK-U	35.8	-31.2	45.1	-	-	74	-28.9	-	-	353	316	H
	* 7.716	28.9	ADR	35.8	-31.2	33.5	54	-20.5	-	-	-	-	353	316	H
6	* 8.258	38.84	PK-U	35.8	-29.6	45.04	-	-	74	-28.96	-	-	360	184	V
	* 8.257	27.6	ADR	35.8	-29.6	33.8	54	-20.2	-	-	-	-	360	184	V
2	1.914	46.75	PK-U	31.2	-37.8	40.15	-	-	-	-	68.2	-28.05	310	141	V
4	6.07	38.96	PK-U	35.4	-14.2	60.16	-	-	-	-	68.2	-8.04	260	122	H

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

PK-U - U-NII: Maximum Peak

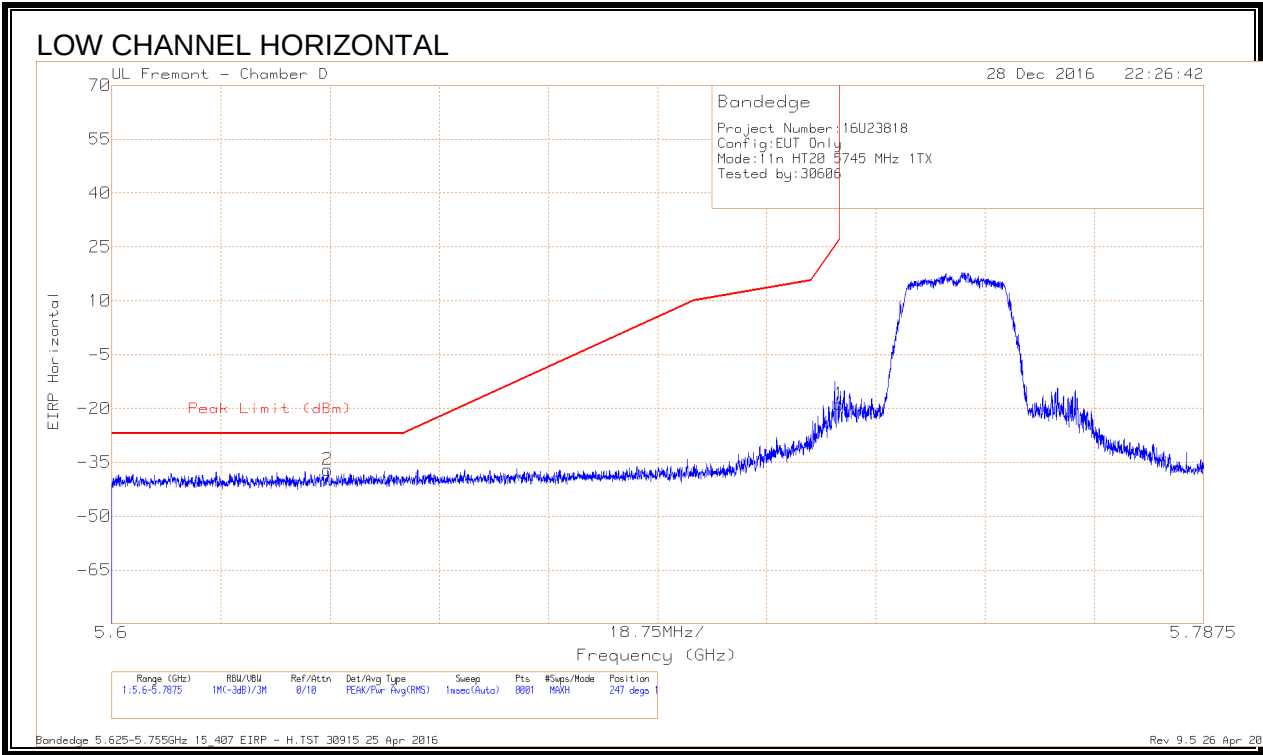
ADR - U-NII AD primary method, RMS average

FCC Part15C 5GHz UNII RSE.TST 30915 29 Dec 2015

Rev 9.5 26 Apr 2016

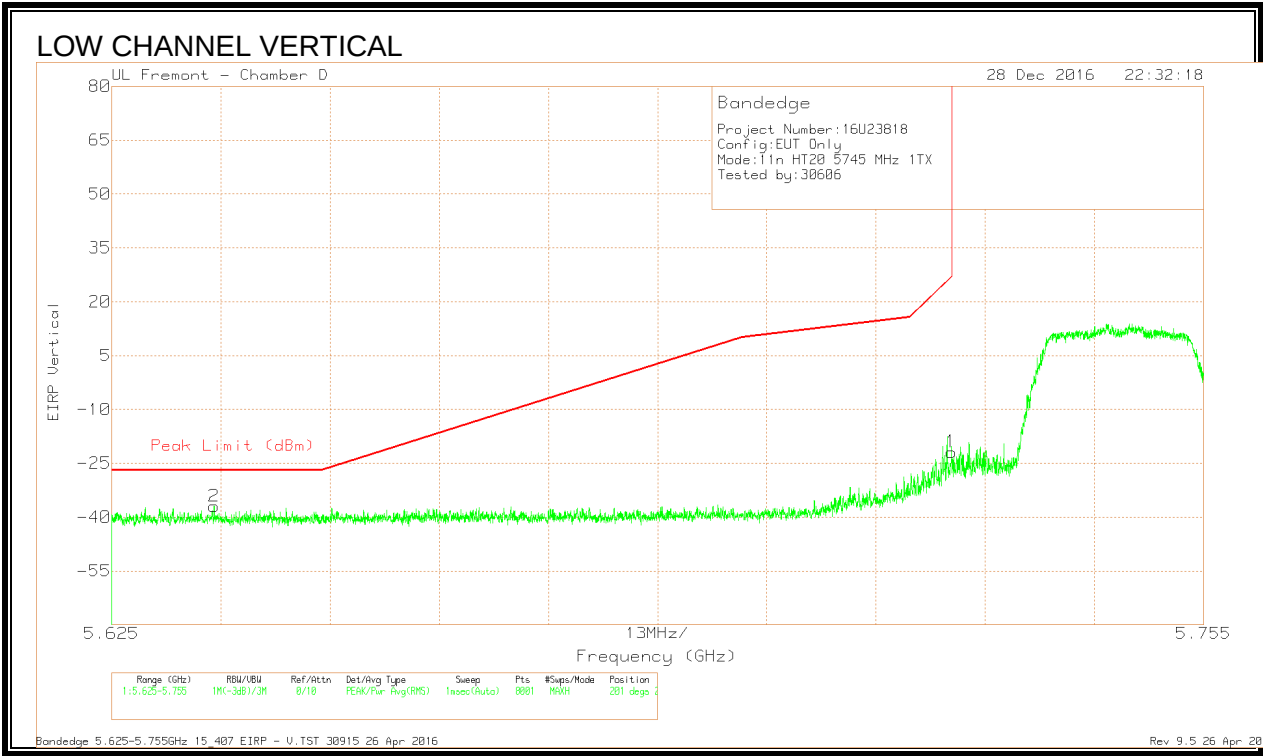
9.2.38. 11n HT20 ANTENNA B SISO MODE IN THE 5.8GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T712 (dB/m)	Amp/Cbl/Fitter/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.637	-65.97	Pk	34.6	-17.5	11.8	-37.07	-27	-10.07	247	115	H
1	5.725	-47.91	Pk	34.8	-17.5	11.8	-18.81	26.99	-45.8	247	115	H

Pk - Peak detector
Bandedge 5.625-5.755GHz 15_407 EIRP - H.TST 30915 25 Apr 2016
Rev 9.5 26 Apr 2016

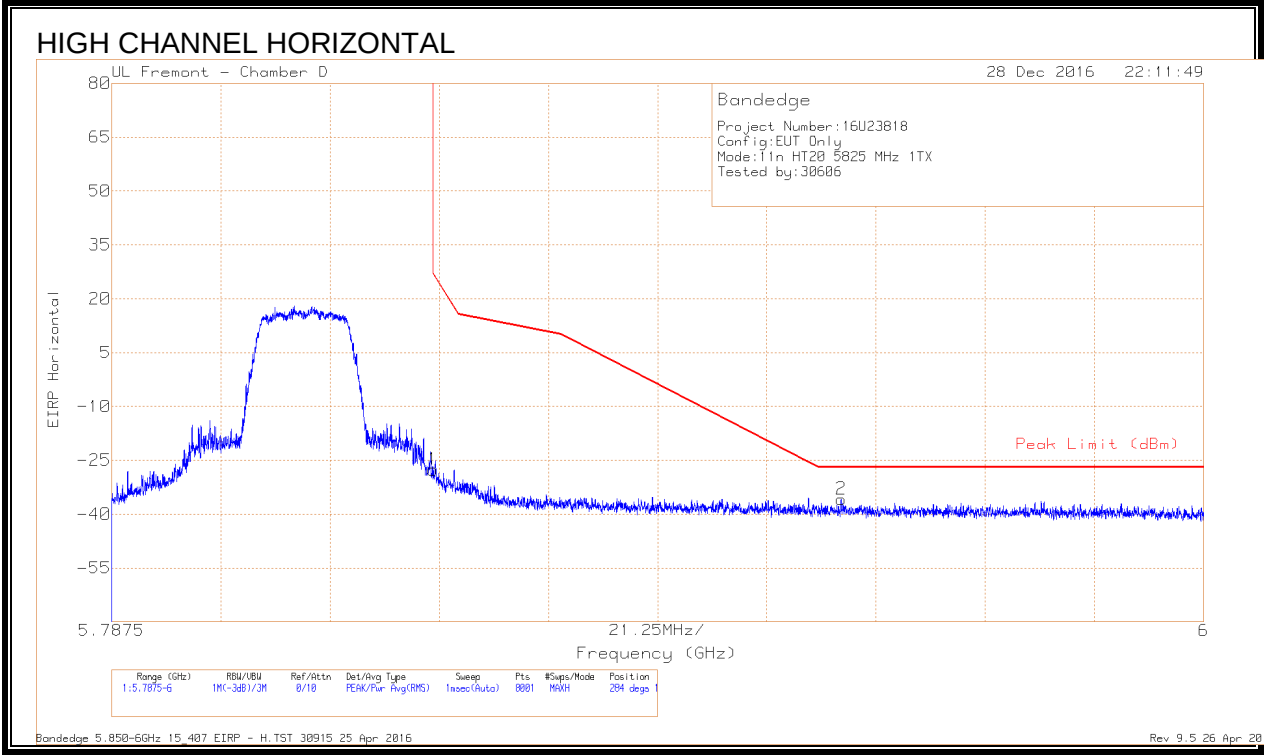


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.637	-65.86	Pk	34.6	-17.5	11.8	-36.96	-27	-9.96	201	291	V
1	5.725	-50.96	Pk	34.8	-17.5	11.8	-21.86	26.97	-48.83	201	291	V

Pk - Peak detector

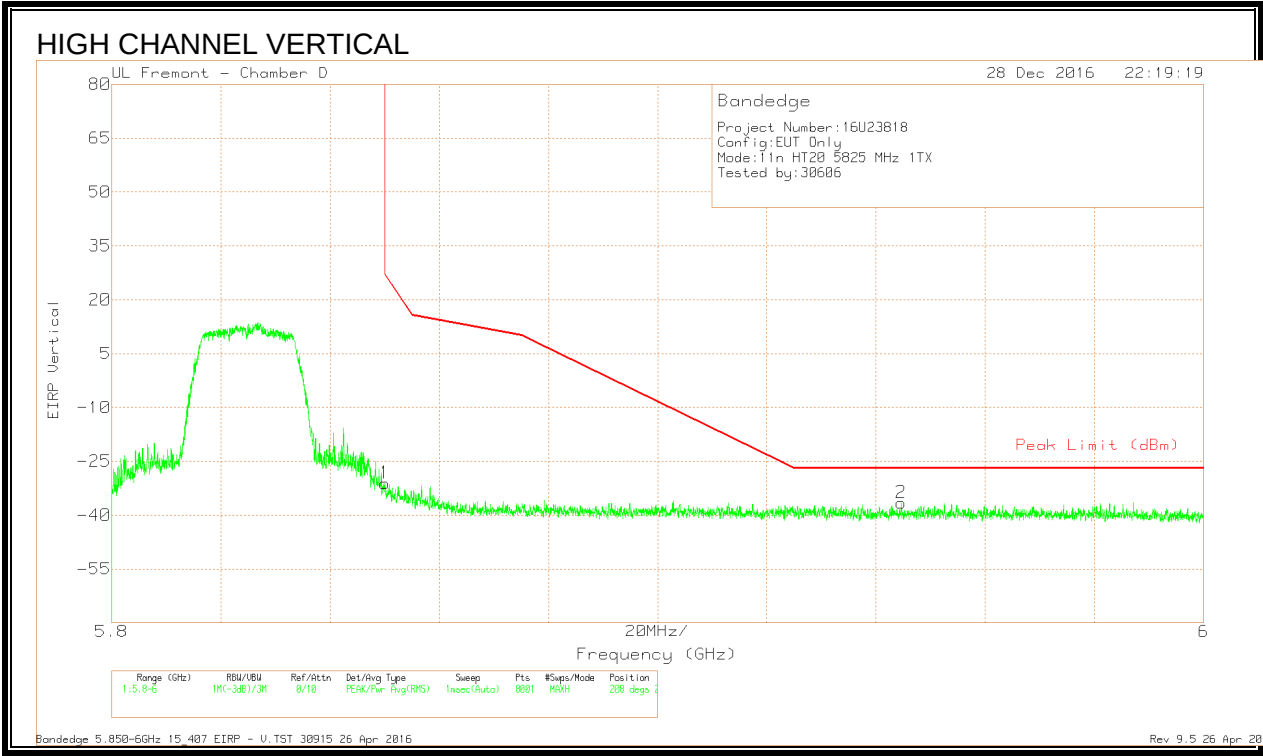
Bandedge 5.625-5.755GHz 15_407 EIRP - V.TST 30915 26 Apr 2016

Rev 9.5 26 Apr 2016



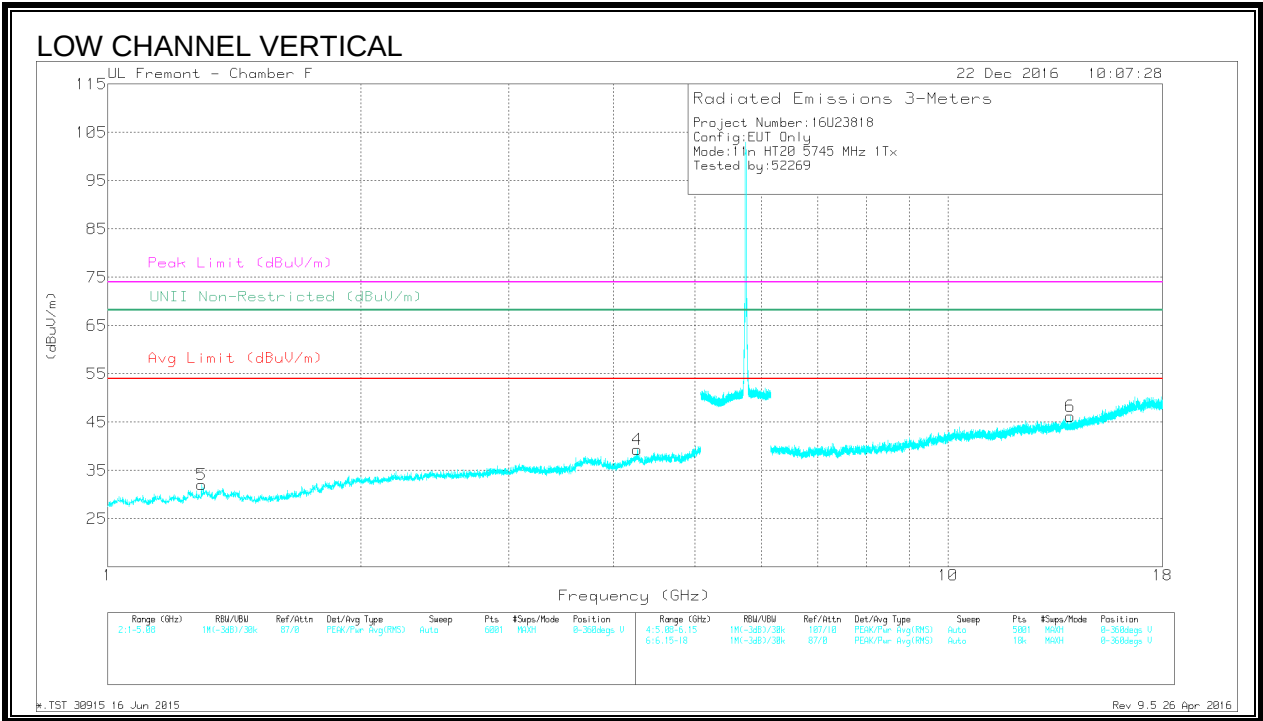
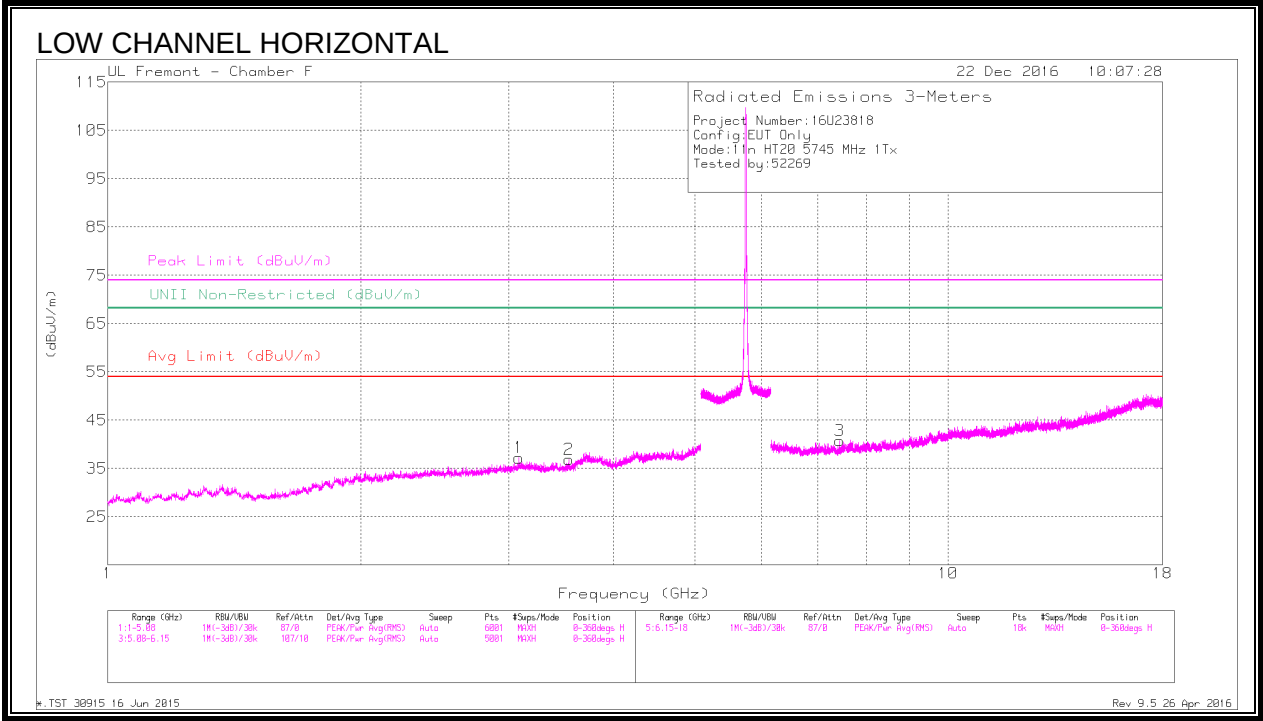
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-56.81	Pk	34.9	-17.5	11.8	-27.61	26.99	-54.6	284	154	H
2	5.929	-65.31	Pk	35	-17.3	11.8	-35.81	-27	-8.81	284	154	H

Pk - Peak detector
Bandedge 5.850-6GHz 15_407 EIRP - H.TST 30915 25 Apr 2016
Rev 9.5 26 Apr 2016



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-60.31	Pk	34.9	-17.5	11.8	-31.11	26.94	-58.05	208	206	V
2	5.945	-65.96	Pk	35	-17.4	11.8	-36.56	-27	-9.56	208	206	V

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



	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cb/Rtr/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	3.085	39.2	PK-U	33.1	-29.4	42.9	-	-	-	-	68.2	-25.3	348	109	H
	* 3.54	38.75	PK-U	33	-29.2	42.55	-	-	74	-31.45	-	-	287	326	H
2	* 3.541	28.23	ADR	33	-29.2	32.03	54	-21.97	-	-	-	-	287	326	H
4	* 4.265	36.66	PK-U	33.7	-26.5	43.86	-	-	74	-30.14	-	-	156	400	V
	* 4.264	26.37	ADR	33.7	-26.5	33.57	54	-20.43	-	-	-	-	156	400	V
5	* 1.292	40.43	PK-U	28.9	-31.7	37.63	-	-	74	-36.37	-	-	221	240	V
	* 1.296	29.61	ADR	28.9	-31.6	26.91	54	-27.09	-	-	-	-	221	240	V
3	* 7.436	36.9	PK-U	35.6	-26.1	46.4	-	-	74	-27.6	-	-	164	289	H
	* 7.436	25.92	ADR	35.6	-26.1	35.42	54	-18.58	-	-	-	-	164	289	H
6	13.984	36.02	PK-U	38.8	-23.2	51.62	-	-	-	-	68.2	-16.58	91	379	V

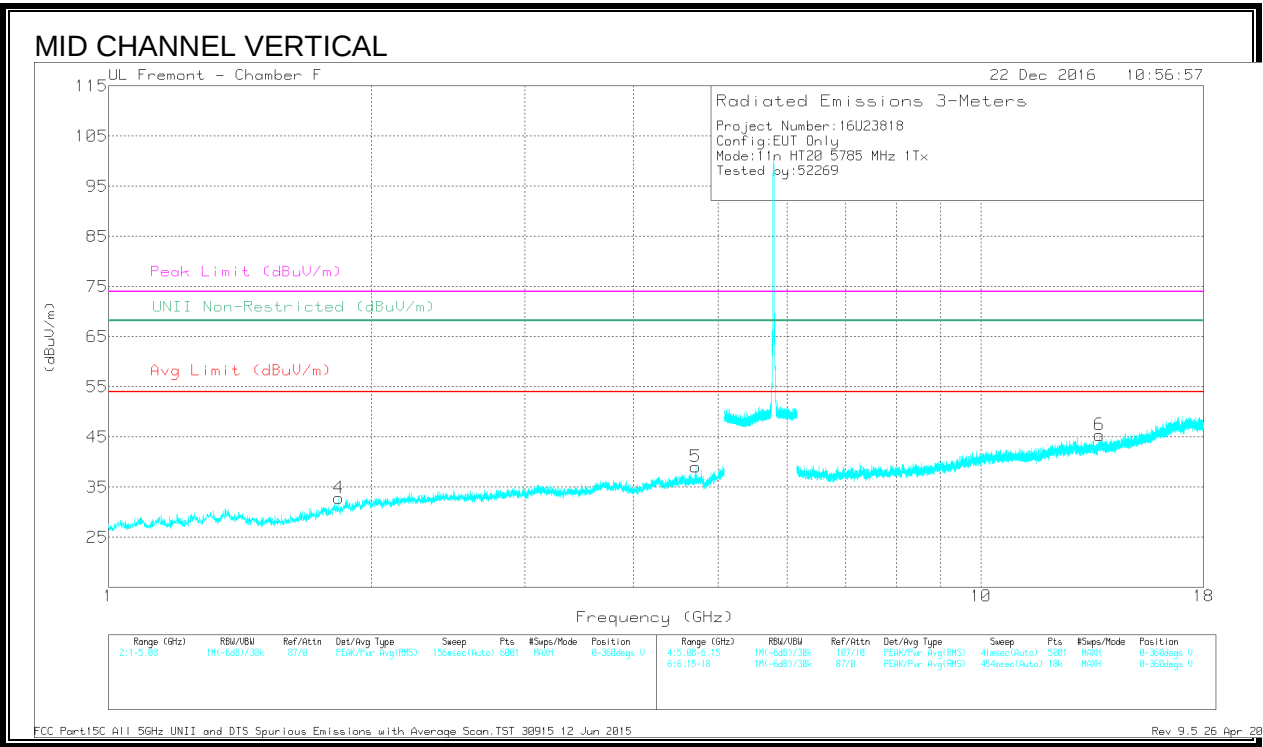
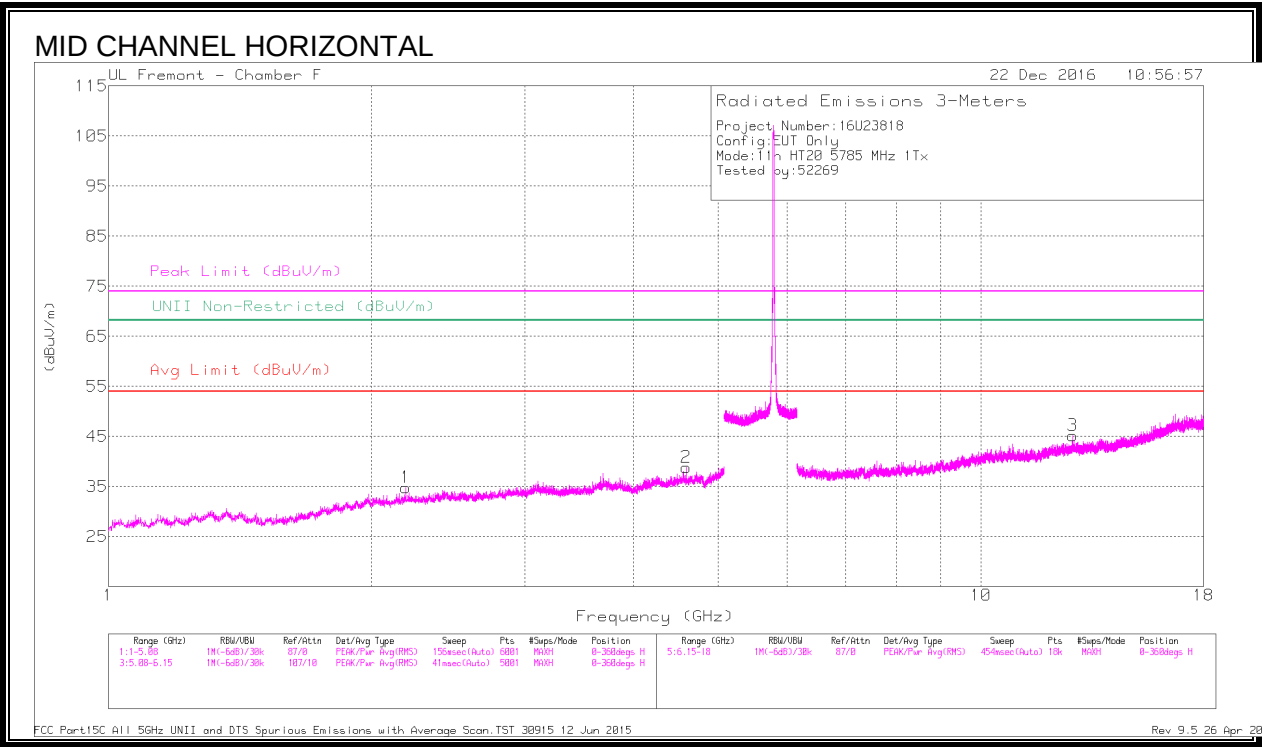
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

*.TST 30915 16 Jun 2015

Rev 9.5 26 Apr 2016



	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filt/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.192	38.59	PK-U	31.9	-30.8	39.69	-	-	-	-	68.2	-28.51	68	333	H
2	* 4.594	37.06	PK-U	34.1	-27.8	43.36	-	-	74	-30.64	-	-	246	315	H
	* 4.593	25.95	ADR	34.1	-27.8	32.25	54	-21.75	-	-	-	-	246	315	H
4	1.837	38.74	PK-U	30.4	-31	38.14	-	-	-	-	68.2	-30.06	148	115	V
5	* 4.712	36.72	PK-U	34.1	-27.5	43.32	-	-	74	-30.68	-	-	165	384	V
	* 4.71	26.06	ADR	34.2	-27.4	32.86	54	-21.14	-	-	-	-	165	384	V
3	12.746	32.59	PK-U	39.3	-22.9	48.99	-	-	-	-	68.2	-19.21	339	248	H
6	13.664	33.72	PK-U	38.8	-23.1	49.42	-	-	-	-	68.2	-18.78	94	111	V

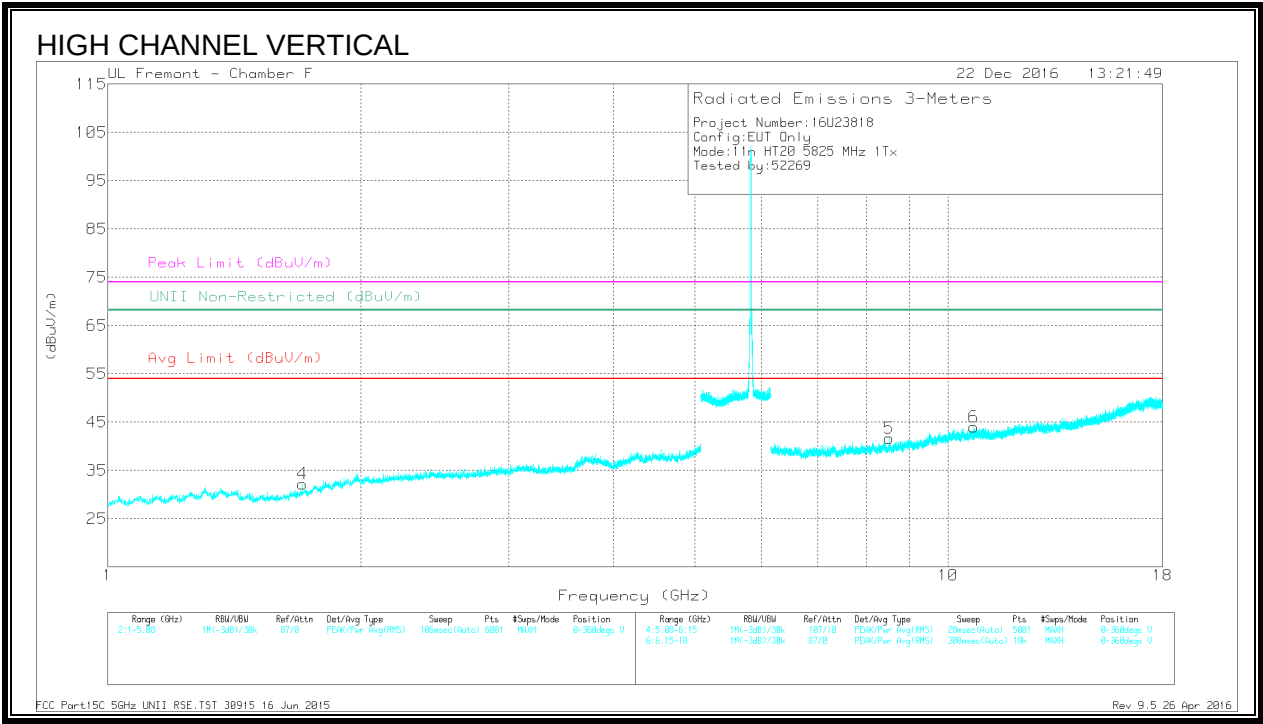
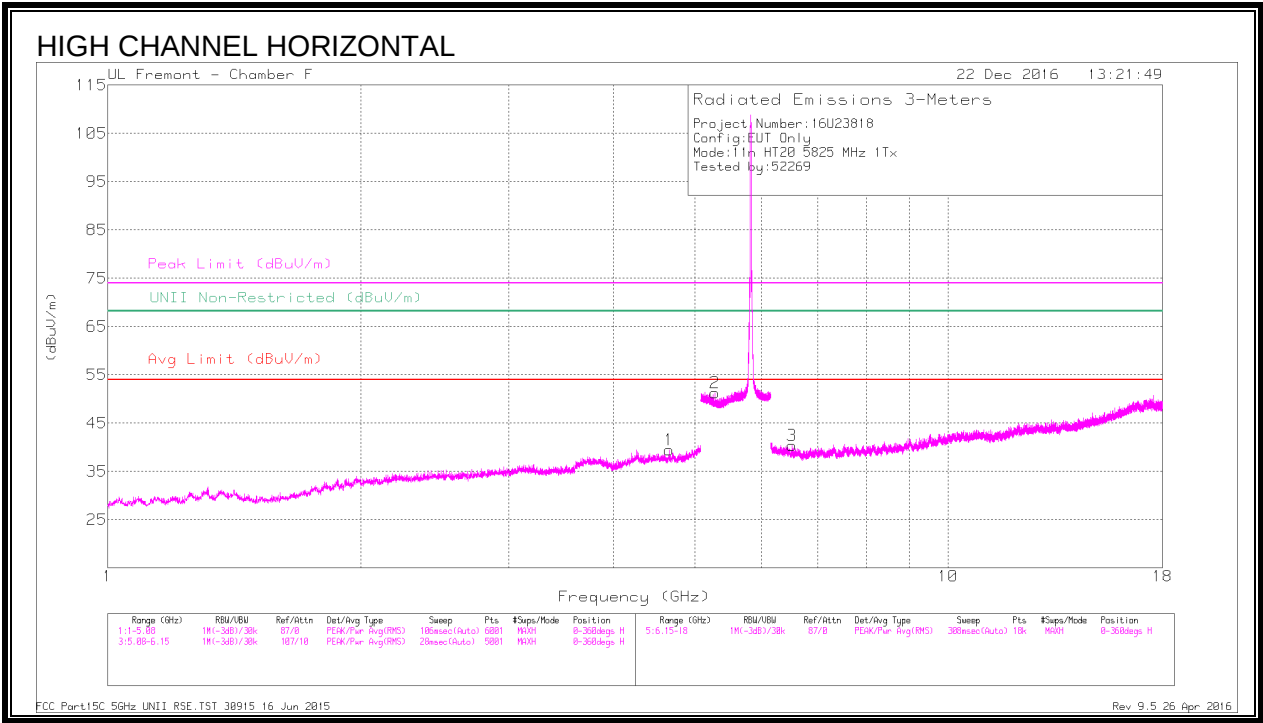
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

FCC Part15C All 5GHz UNII and DTS Spurious Emissions with Average Scan.TST 30915 12 Jun 2015

Rev 9.5 26 Apr 2016



	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filt/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	* 4.656	38.05	PK-U	34.1	-27.3	44.85	-	-	74	-29.15	-	-	237	333	H
	* 4.654	27.27	ADR	34.1	-27.3	34.07	54	-19.93	-	-	-	-	237	333	H
4	* 1.706	41.11	PK-U	29.1	-31.5	38.71	-	-	74	-35.29	-	-	104	400	V
	* 1.707	29.5	ADR	29.1	-31.4	27.2	54	-26.8	-	-	-	-	104	400	V
2	5.28	40.83	PK-U	34.5	-18.5	56.83	-	-	-	-	68.2	-11.37	356	208	H
3	6.526	38.29	PK-U	35.4	-26.7	46.99	-	-	-	-	68.2	-21.21	31	291	H
5	8.512	35.8	PK-U	35.8	-24.4	47.2	-	-	-	-	68.2	-21	69	397	V
6	* 10.731	33.74	PK-U	37.7	-22	49.44	-	-	74	-24.56	-	-	77	173	V
	* 10.73	22.9	ADR	37.7	-21.9	38.7	54	-15.3	-	-	-	-	77	173	V

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

PK-U - U-NII: Maximum Peak

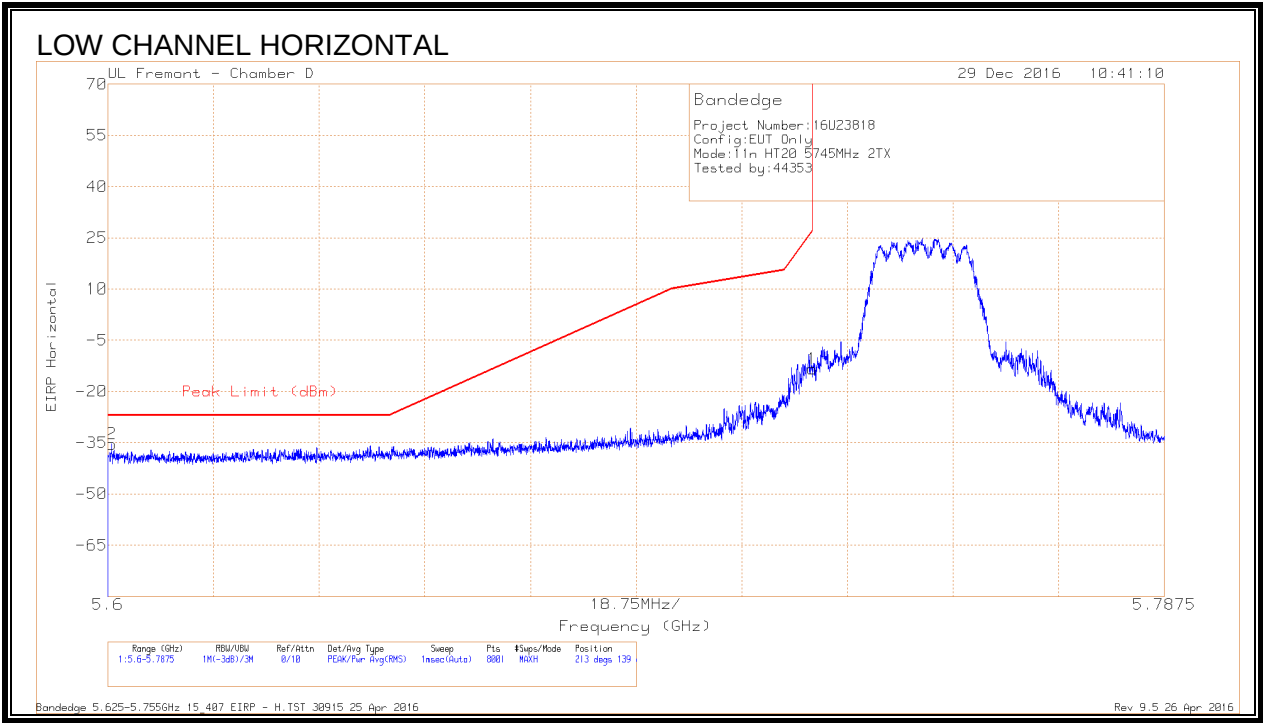
ADR - U-NII AD primary method, RMS average

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

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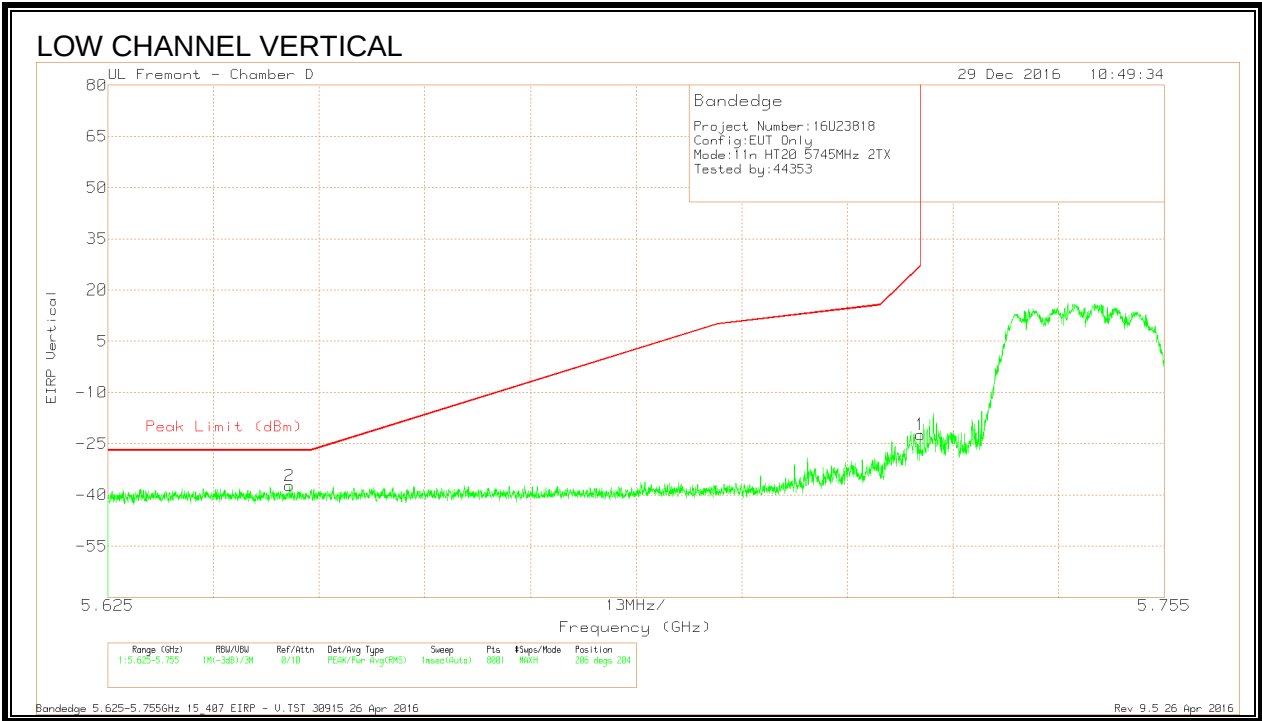
9.2.39. 11n HT20 2TX CDD MIMO MODE IN THE 5.8GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



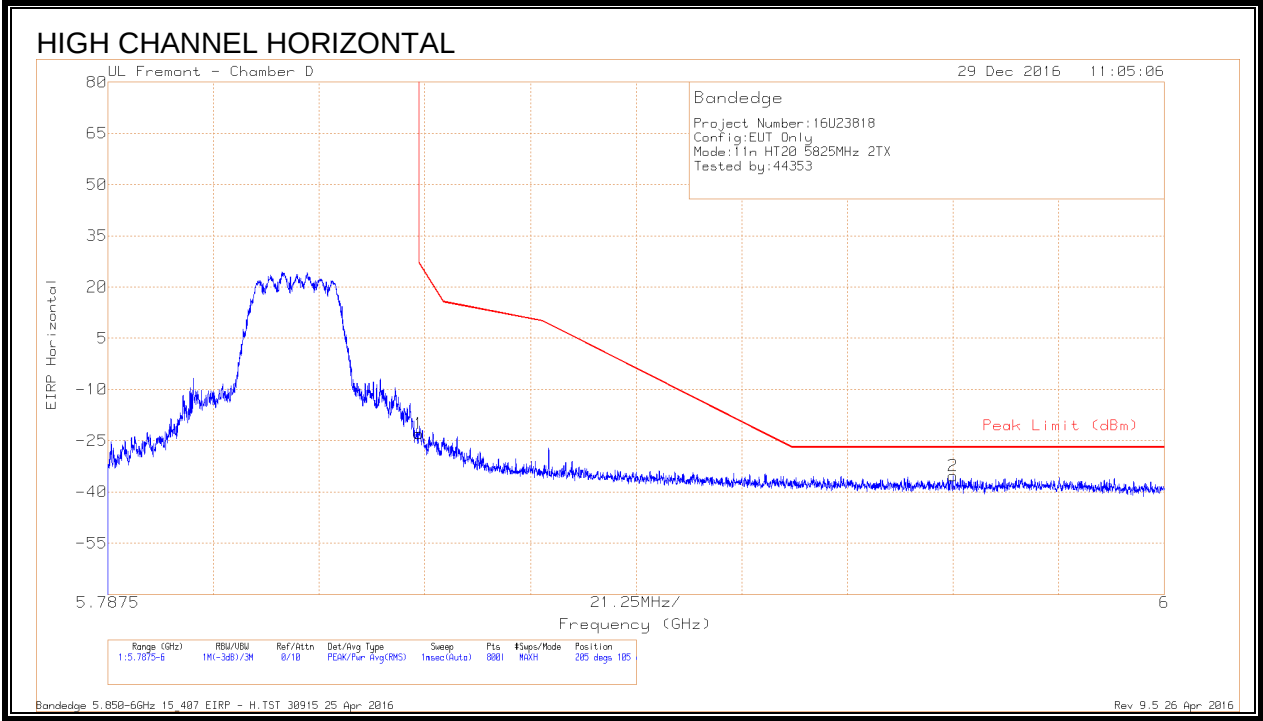
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T712 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-42.45	Pk	34.8	-17.5	11.8	-13.35	26.99	-40.34	213	139	H
2	5.601	-64.01	Pk	34.5	-17.7	11.8	-35.41	-27	-8.41	213	139	H

Pk - Peak detector
Bandedge 5.625-5.755GHz 15_407 EIRP - H.TST 30915 25 Apr 2016
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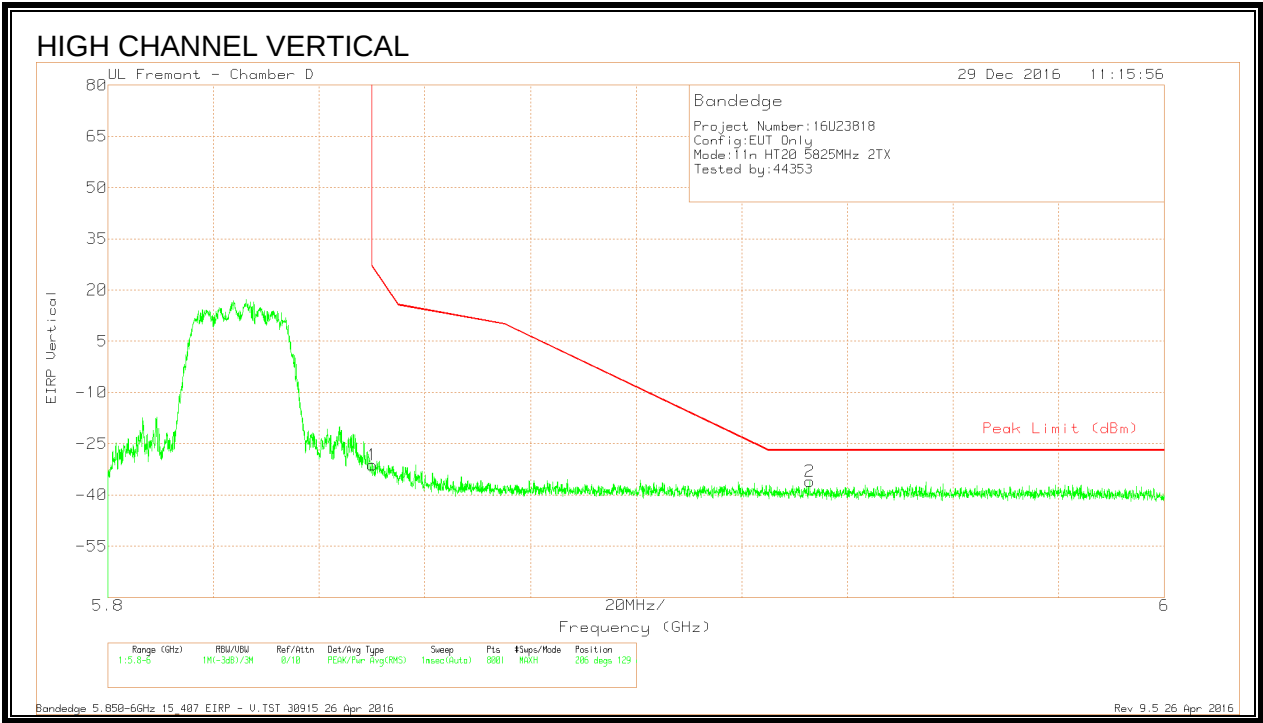
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T712 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.647	-66.25	Pk	34.6	-17.5	11.8	-37.35	-27	-10.35	206	204	V
1	5.725	-51.39	Pk	34.8	-17.5	11.8	-22.29	26.97	-49.26	206	204	V

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



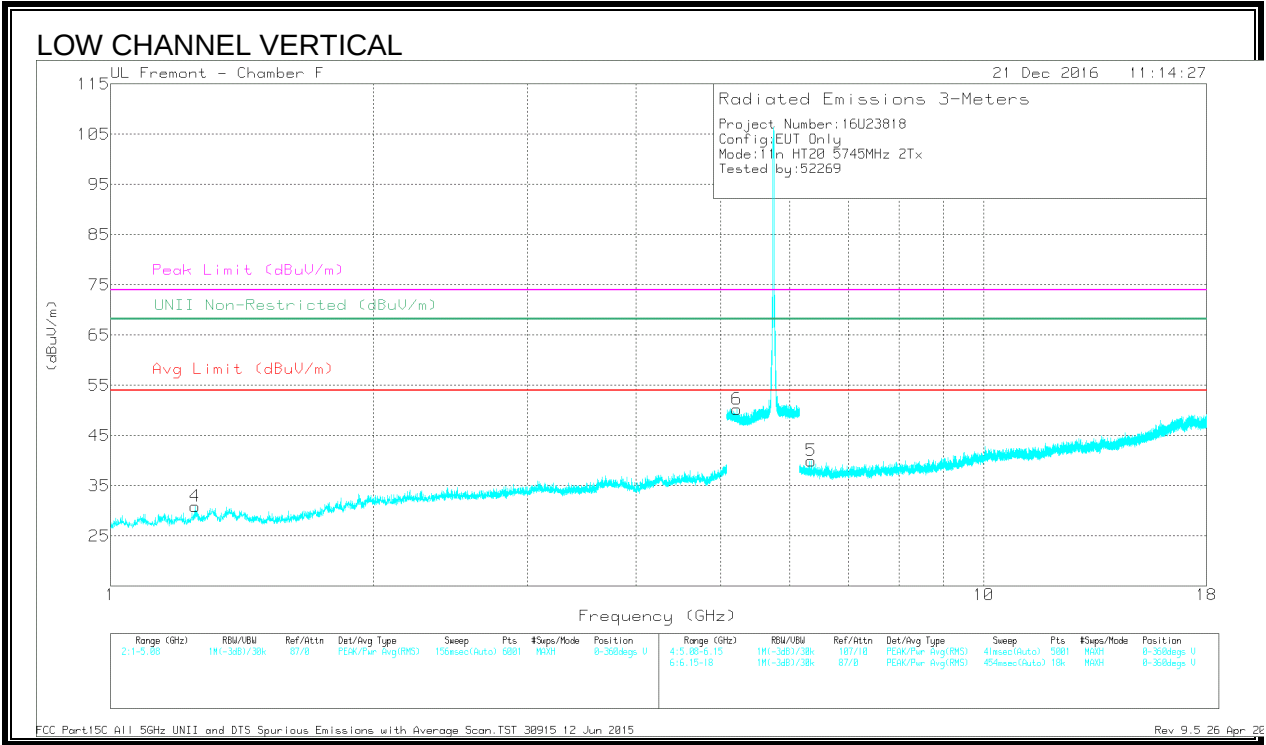
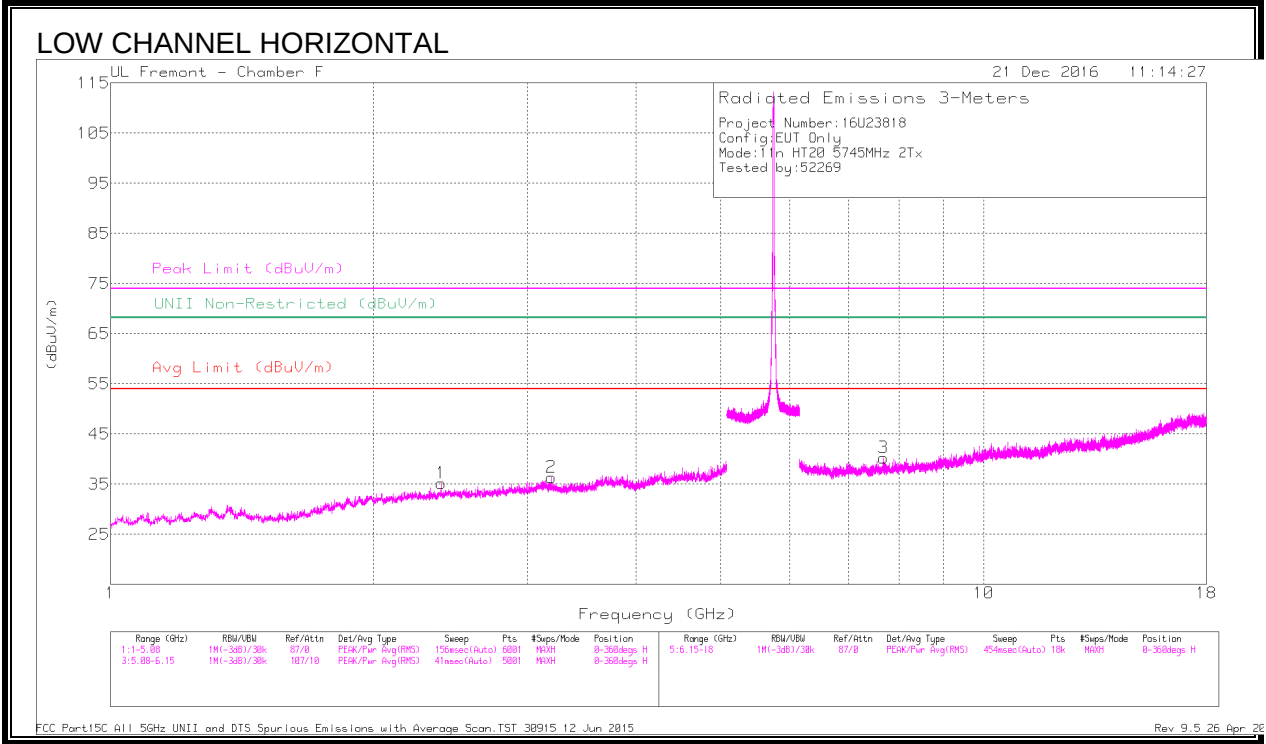
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T712 (dB/m)	Amp/Cb/FI tr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-52.19	Pk	34.9	-17.5	11.8	-22.99	26.99	-49.98	205	105	H
2	5.957	-64.6	Pk	35	-17.4	11.8	-35.2	-27	-8.2	205	105	H

Pk - Peak detector
Bandedge 5.850-6GHz 15_407 EIRP - H.TST 30915 25 Apr 2016
Rev 9.5 26 Apr 2016



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-60.49	Pk	34.9	-17.5	11.8	-31.29	26.94	-58.23	206	129	V
2	5.933	-65.47	Pk	35	-17.3	11.8	-35.97	-27	-8.97	206	129	V

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



	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cb/Rtr/ Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non- Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.391	38.15	PK-U	32.1	-30.5	39.75	-	-	-	-	68.2	-28.45	164	316	H
2	3.2	37.96	PK-U	33.2	-29.9	41.26	-	-	-	-	68.2	-26.94	86	169	H
4	* 1.251	39.83	PK-U	28.6	-32	36.43	-	-	74	-37.57	-	-	91	118	V
	* 1.249	28.65	ADR	28.6	-32	25.25	54	-28.75	-	-	-	-	91	118	V
6	5.218	39.24	PK-U	34.4	-18.6	55.04	-	-	-	-	68.2	-13.16	301	198	V
3	* 7.684	34.42	PK-U	35.7	-25.4	44.72	-	-	74	-29.28	-	-	295	290	H
	* 7.684	24.09	ADR	35.7	-25.4	34.39	54	-19.61	-	-	-	-	295	290	H
5	6.341	35.44	PK-U	35.4	-26.6	44.24	-	-	-	-	68.2	-23.96	312	188	V

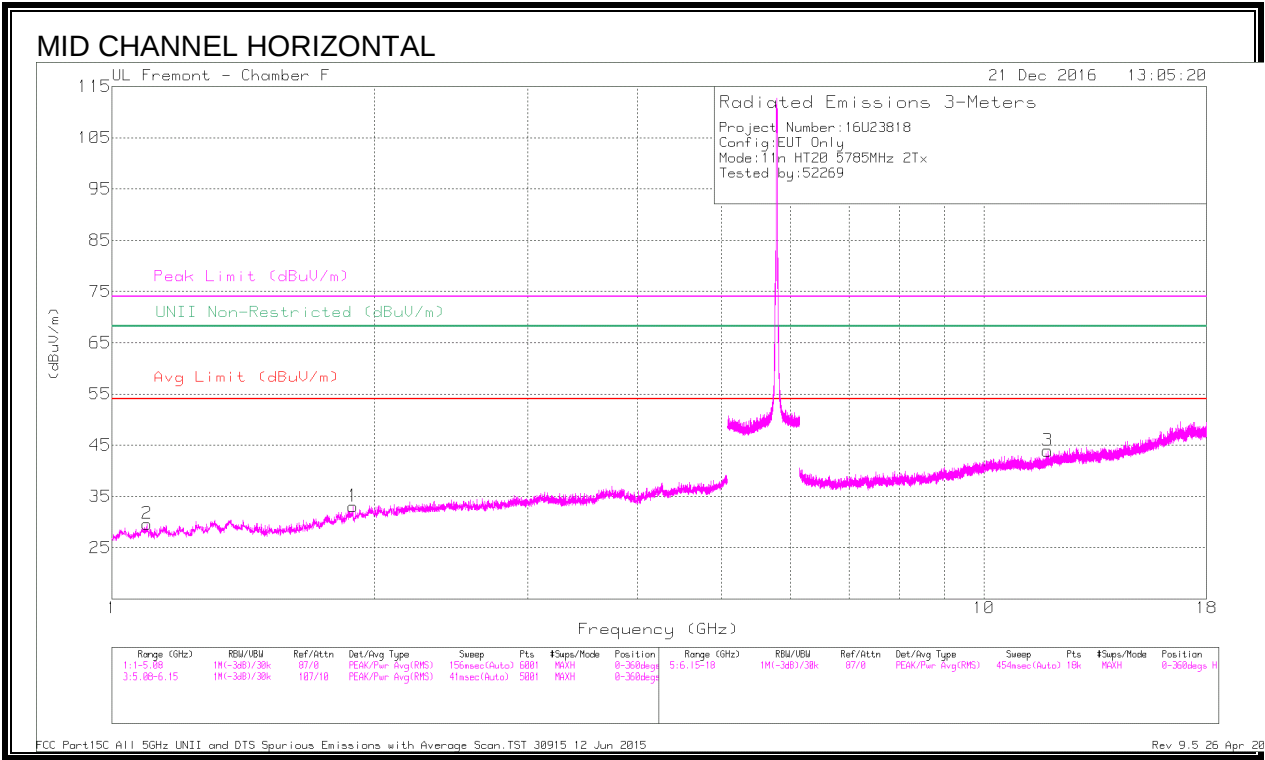
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

FCC Part15C All 5GHz UNII and DTS Spurious Emissions with Average Scan.TST 30915 12 Jun 2015

Rev 9.5 26 Apr 2016



115

105

95

85

75

65

55

45

35

25

1

Peak Limit (dBuV/m)

UNII Non-Restricted (dBuV/m)

Avg Limit (dBuV/m)

2

1

3

Frequency (GHz)

1

10

18

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

Range (GHz)

RBW/VBW

Ref/Attn

Det/Avg Type

Sweep

Pts

#Sups/Mode

Position

Range (GHz)

RBW/VBW

Ref/Attn

Det/Avg Type

Sweep

Pts

#Sups/Mode

Position

1:1-5.88

1M/-3dB/30k

07/0

PEAK/Par Avg(RMS)

15sweep(Auto)

5001

NOX

0-360deg

5:6.15-18

1M/-3dB/30k

07/0

PEAK/Par Avg(RMS)

45sweep(Auto)

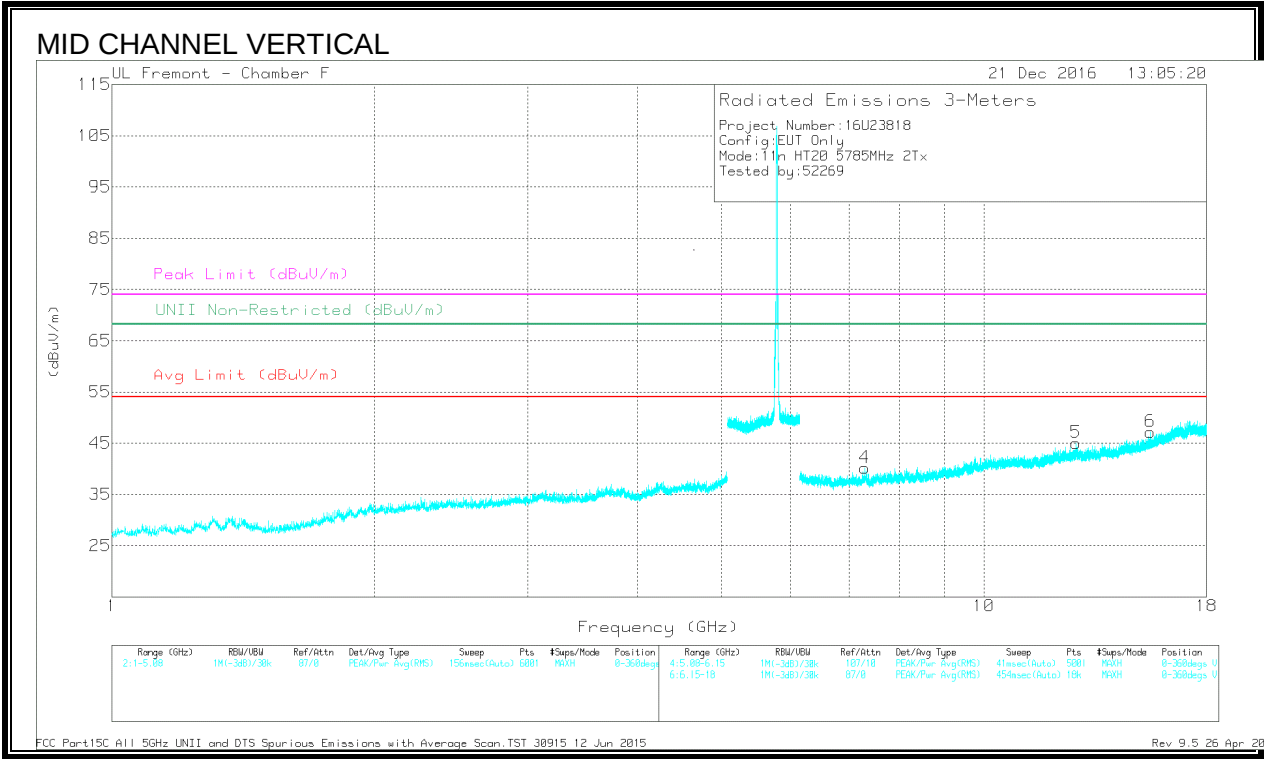
10k

NOX

0-360deg

FCC Part15C All 5GHz UNII and DTS Spurious Emissions with Average Scan.TST 30915 12 Jun 2015

Rev 9.5 26 Apr 20



115

105

95

85

75

65

55

45

35

25

1

Peak Limit (dBuV/m)

UNII Non-Restricted (dBuV/m)

Avg Limit (dBuV/m)

4

5

6

Frequency (GHz)

1

10

18

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

Range (GHz)

RBW/VBW

Ref/Attn

Det/Avg Type

Sweep

Pts

#Sups/Mode

Position

Range (GHz)

RBW/VBW

Ref/Attn

Det/Avg Type

Sweep

Pts

#Sups/Mode

Position

2:1-5.88

1M/-3dB/30k

07/0

PEAK/Par Avg(RMS)

15sweep(Auto)

5001

NOX

0-360deg

4:5.88-18

1M/-3dB/30k

07/0

PEAK/Par Avg(RMS)

45sweep(Auto)

10k

NOX

0-360deg

FCC Part15C All 5GHz UNII and DTS Spurious Emissions with Average Scan.TST 30915 12 Jun 2015

Rev 9.5 26 Apr 20

	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filt/ 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	1.889	38.27	PK-U	30.8	-31	38.07	-	-	-	-	68.2	-30.13	102	278	H
2	* 1.097	39.6	PK-U	28	-32.2	35.4	-	-	74	-38.6	-	-	167	351	H
	* 1.095	28.46	ADR	28	-32.2	24.26	54	-29.74	-	-	-	-	167	351	H
3	* 11.833	32.31	PK-U	38.4	-22.1	48.61	-	-	74	-25.39	-	-	286	271	H
	* 11.83	21.33	ADR	38.4	-22.1	37.63	54	-16.37	-	-	-	-	286	271	H
4	* 7.304	34.22	PK-U	35.5	-25.2	44.52	-	-	74	-29.48	-	-	129	339	V
	* 7.304	24.12	ADR	35.5	-25.2	34.42	54	-19.58	-	-	-	-	129	339	V
5	12.758	32.63	PK-U	39.3	-22.8	49.13	-	-	-	-	68.2	-19.07	20	109	V
6	* 15.526	33.57	PK-U	40.5	-22.4	51.67	-	-	74	-22.33	-	-	231	242	V
	* 15.525	22.75	ADR	40.5	-22.4	40.85	54	-13.15	-	-	-	-	231	242	V

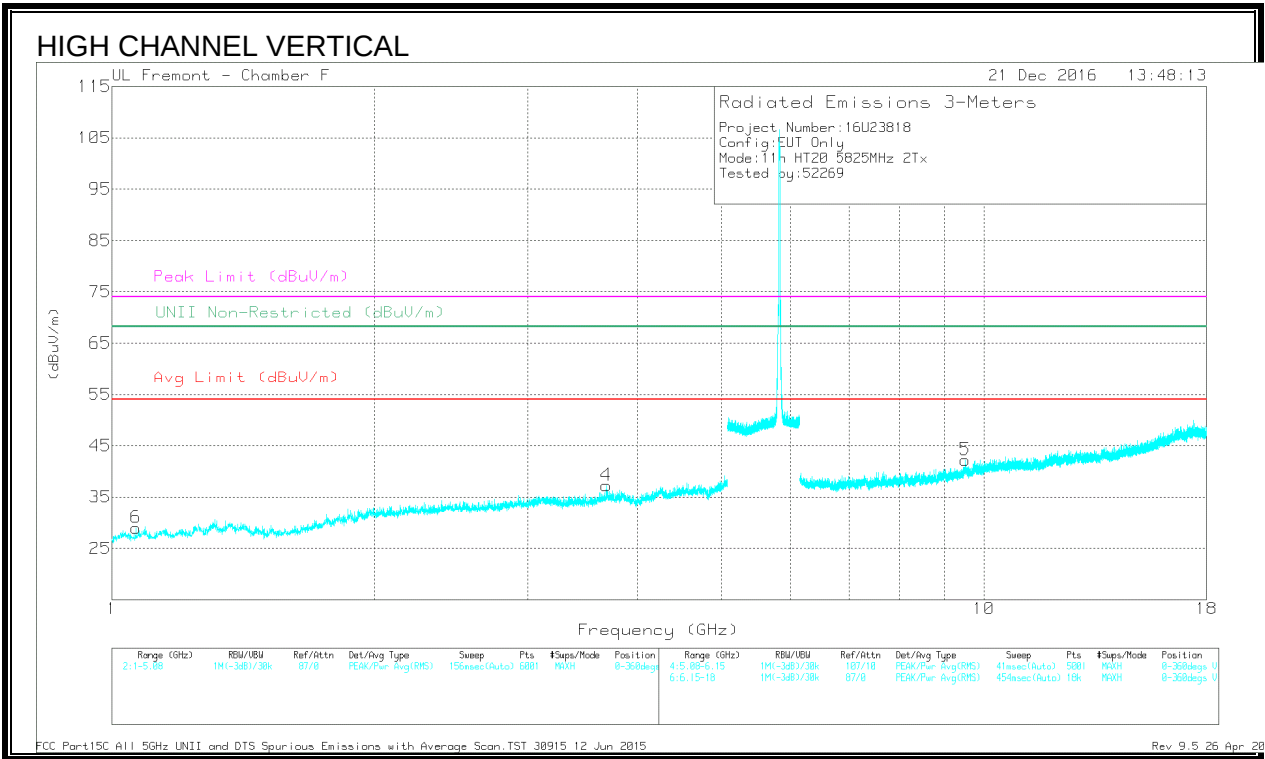
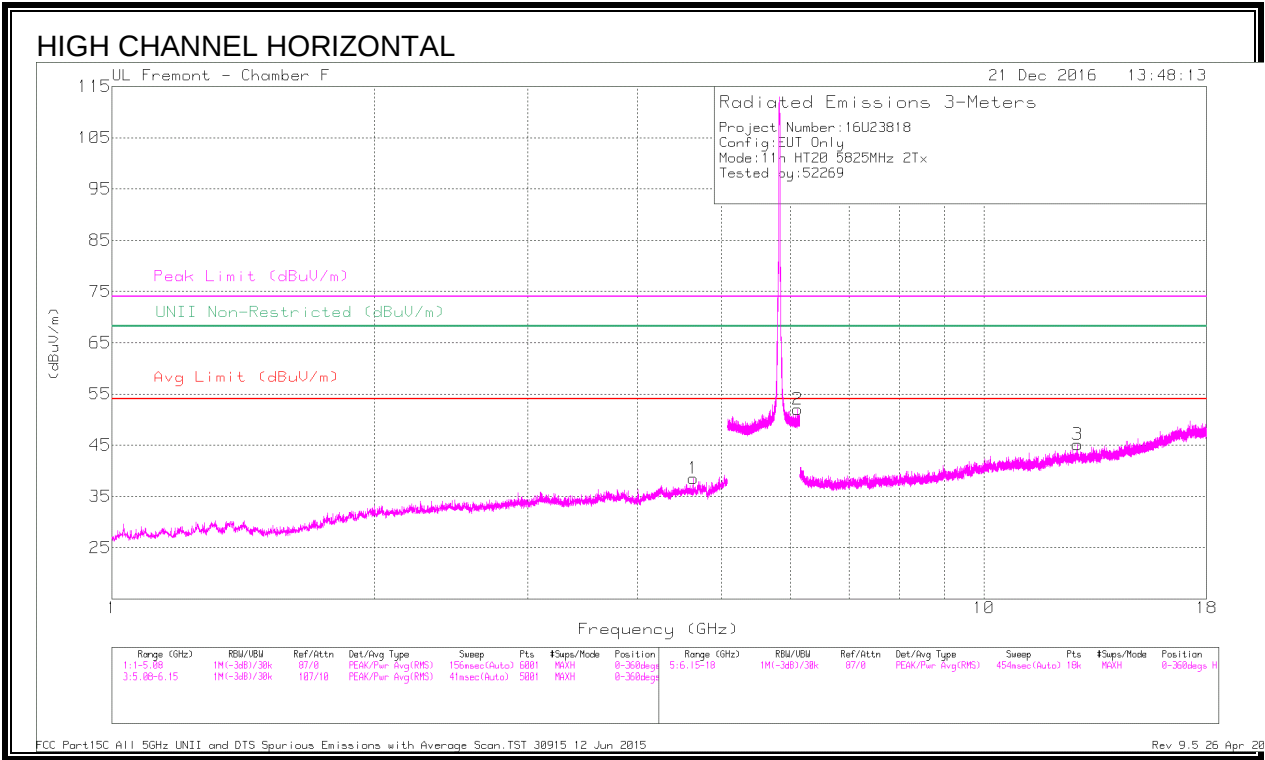
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

FCC Part15C All 5GHz UNII and DTS Spurious Emissions with Average Scan.TST 30915 12 Jun 2015

Rev 9.5 26 Apr 2016



	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cb/Rtr/ 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	* 4.643	36.2	PK-U	34.1	-27.5	42.8	-	-	74	-31.2	-	-	120	286	H
	* 4.644	25.52	ADR	34.1	-27.5	32.12	54	-21.88	-	-	-	-	120	286	H
4	* 3.689	37.22	PK-U	33.3	-28.8	41.72	-	-	74	-32.28	-	-	152	375	V
	* 3.69	26.1	ADR	33.3	-28.9	30.5	54	-23.5	-	-	-	-	152	375	V
6	* 1.067	39.25	PK-U	27.9	-32.4	34.75	-	-	74	-39.25	-	-	72	322	V
	* 1.065	28.08	ADR	27.9	-32.4	23.58	54	-30.42	-	-	-	-	72	322	V
2	6.118	38.96	PK-U	35.5	-17.8	56.66	-	-	-	-	68.2	-11.54	20	122	H
3	12.806	33.29	PK-U	39.3	-22.9	49.69	-	-	-	-	68.2	-18.51	155	320	H
5	9.516	32.04	PK-U	36.5	-21.5	47.04	-	-	-	-	68.2	-21.16	284	223	V

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

PK-U - U-NII: Maximum Peak

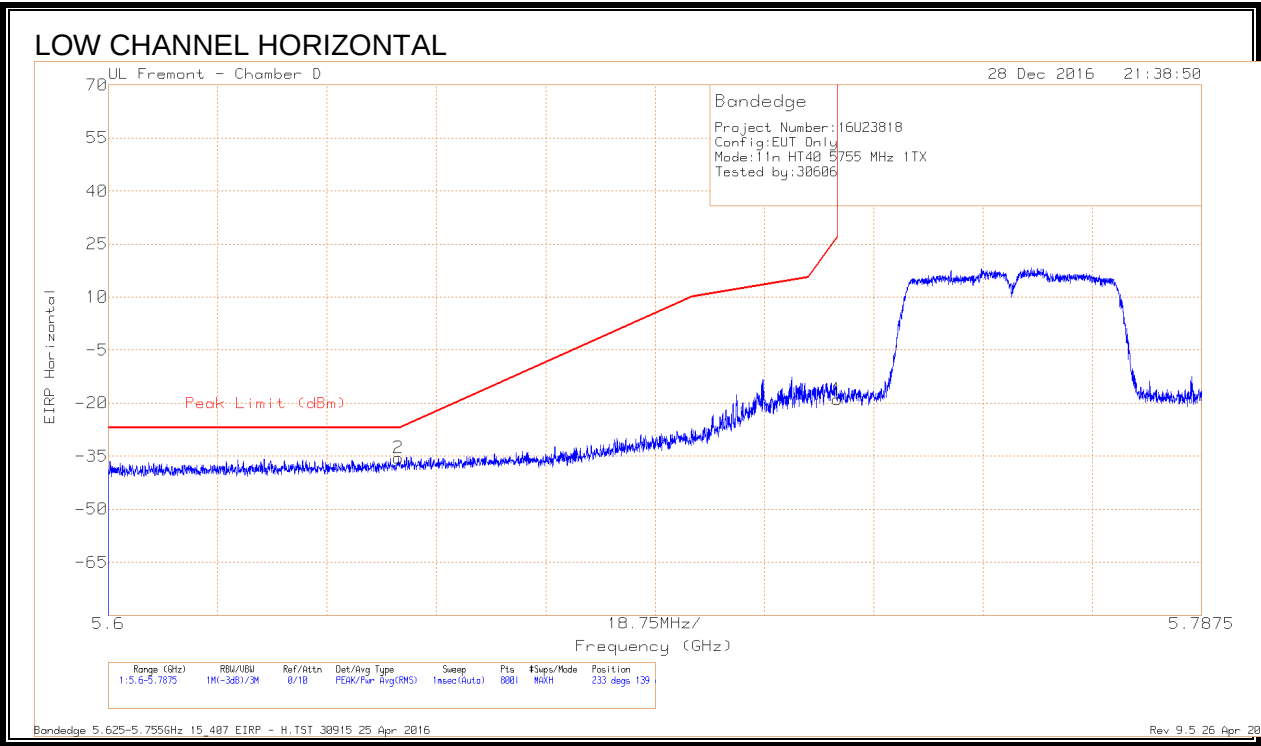
ADR - U-NII AD primary method, RMS average

FCC Part15C All 5GHz UNII and DTS Spurious Emissions with Average Scan.TST 30915 12 Jun 2015

Rev 9.5 26 Apr 2016

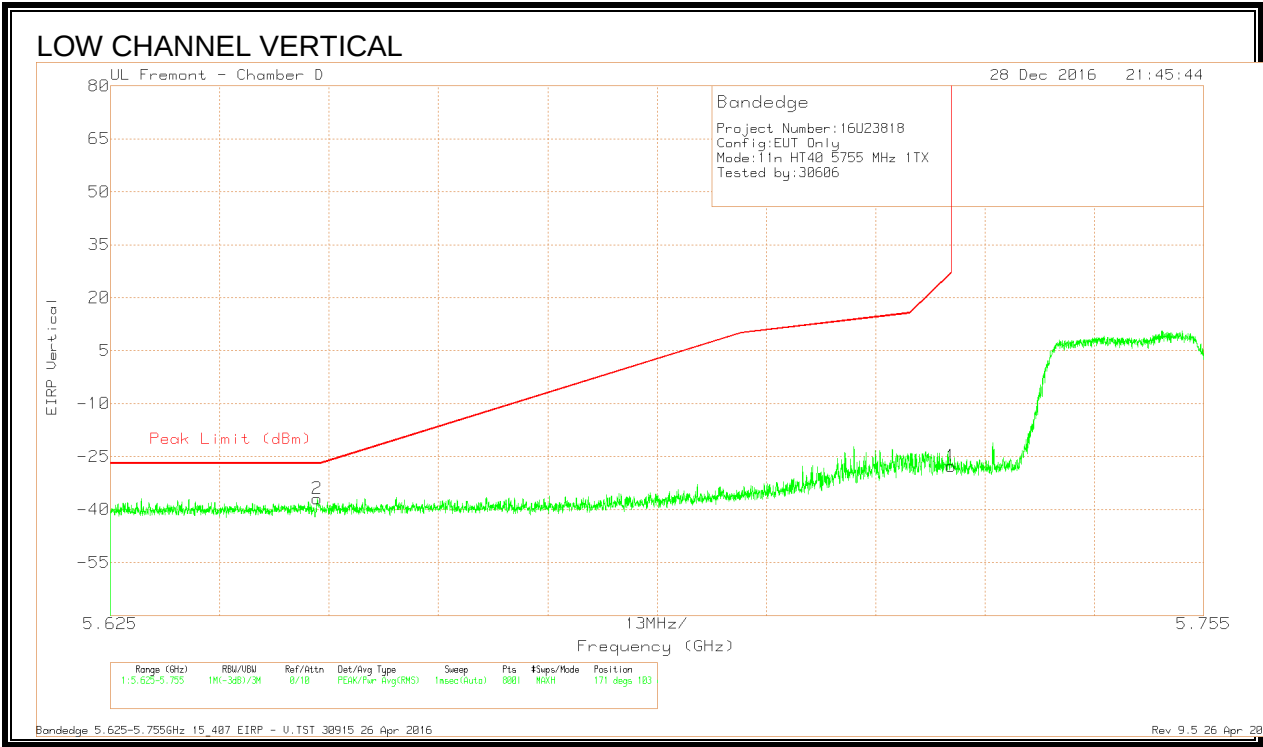
9.2.40. 11n HT40 ANTENNA A SISO MODE IN THE 5.8GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T712 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.65	-64.41	Pk	34.6	-17.5	11.8	0	-35.51	-27	-8.51	233	139	H
1	5.725	-47.99	Pk	34.8	-17.5	11.8	0	-18.89	26.99	-45.88	233	139	H

Pk - Peak detector
Bandedge 5.625-5.755GHz 15_407 EIRP - H.TST 30915 25 Apr 2016
Rev 9.5 26 Apr 2016

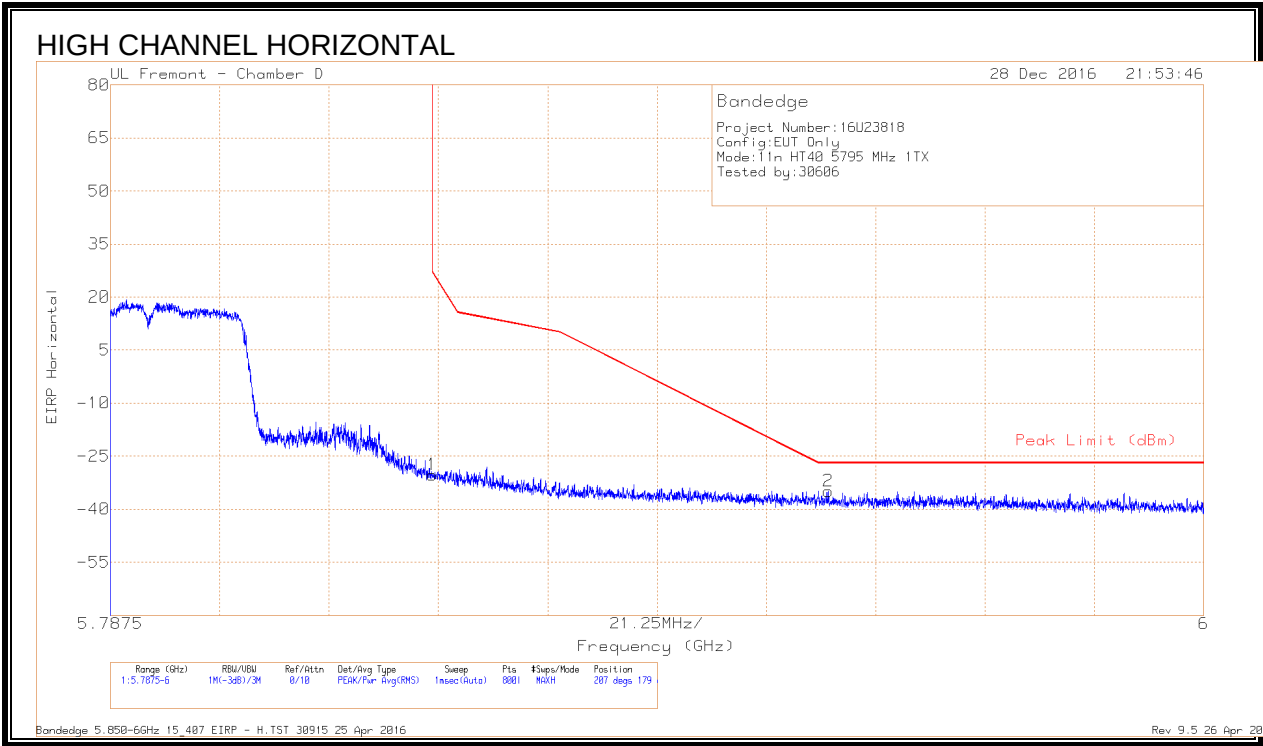


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T712 (dB/m)	Amp/Cb/Filter/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.65	-65.79	Pk	34.6	-17.5	11.8	0	-36.89	-27	-9.89	171	103	V
1	5.725	-56.87	Pk	34.8	-17.5	11.8	0	-27.77	26.97	-54.74	171	103	V

Pk - Peak detector

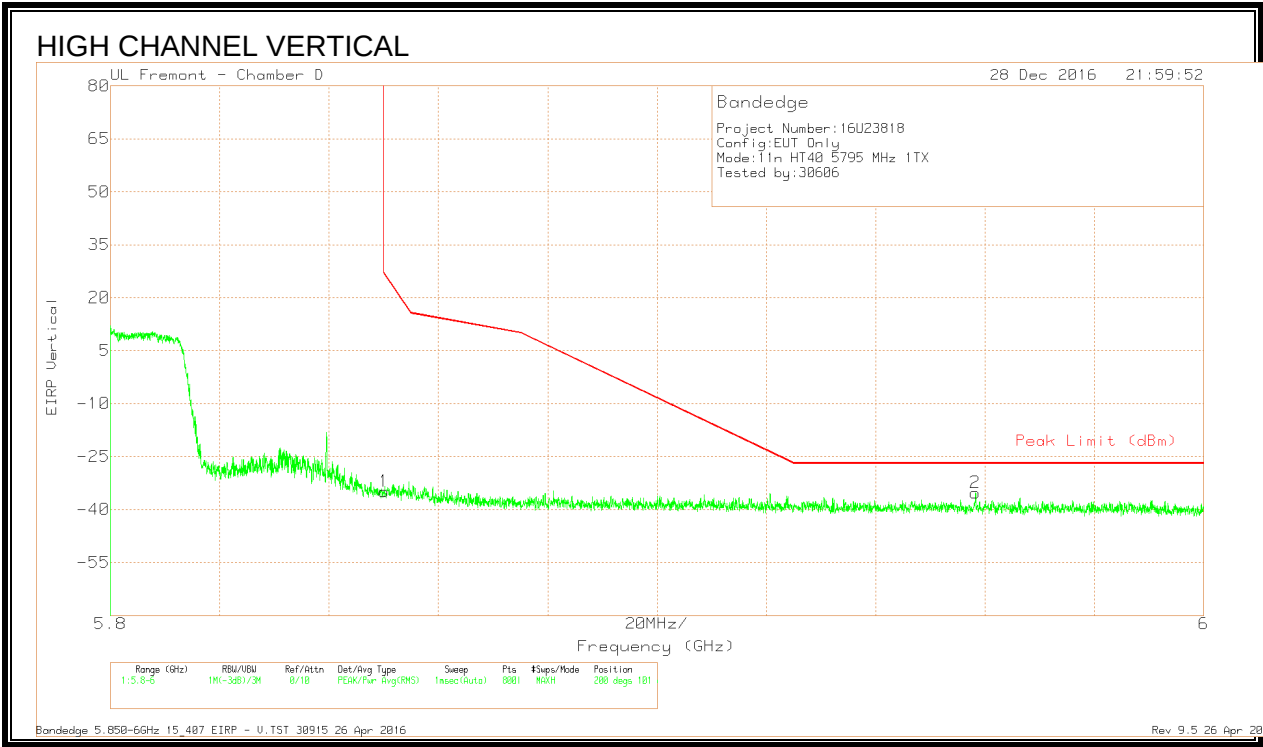
Bandedge 5.625-5.755GHz 15_407 EIRP - V.TST 30915 26 Apr 2016

Rev 9.5 26 Apr 2016



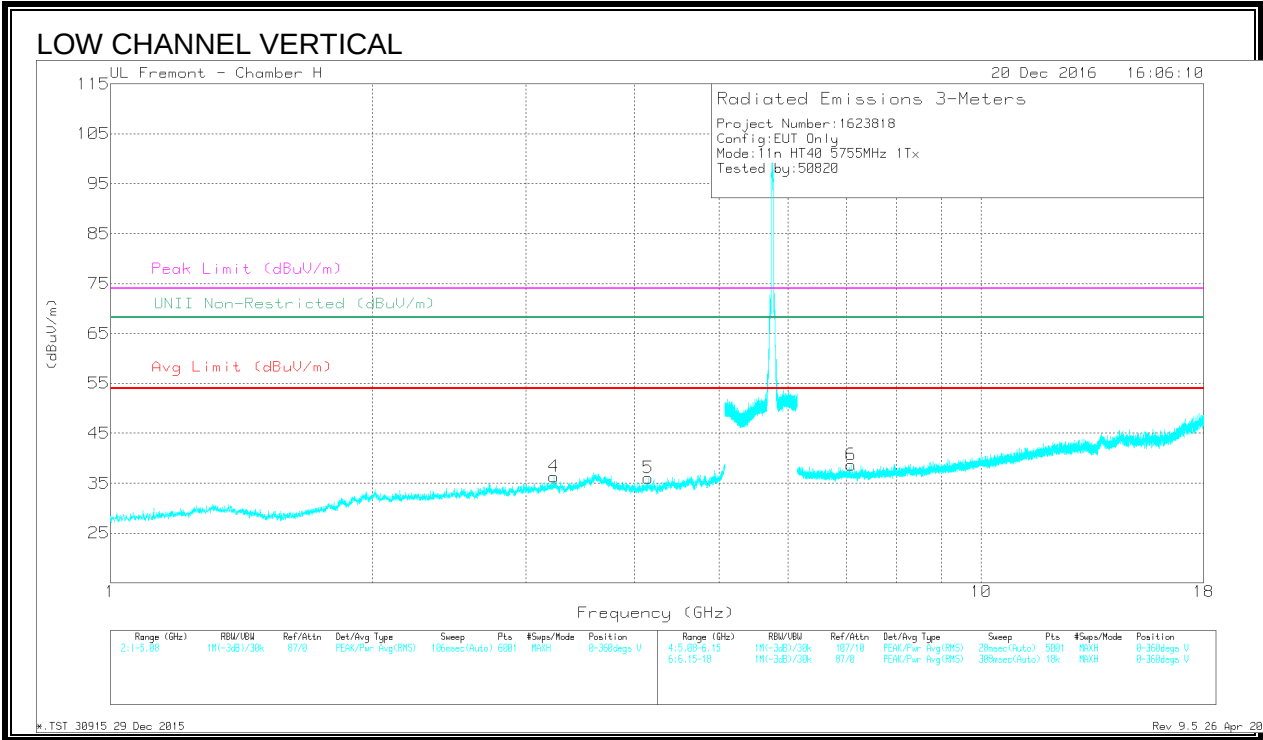
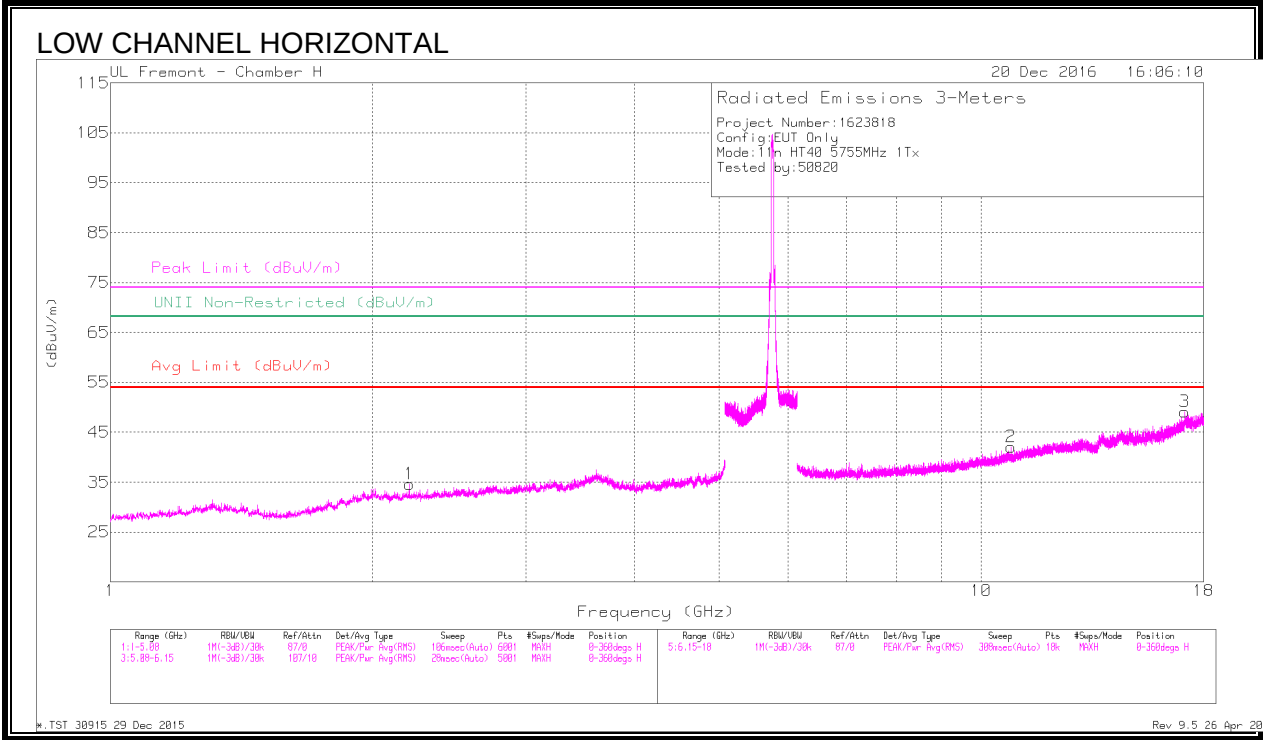
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T712 (dB/m)	Amp/Cb/Filter/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-59.44	Pk	34.9	-17.5	11.8	0	-30.24	26.99	-57.23	207	179	H
2	5.927	-64.24	Pk	35	-17.4	11.8	0	-34.84	-27	-7.84	207	179	H

Pk - Peak detector
Bandedge 5.850-6GHz 15_407 EIRP - H.TST 30915 25 Apr 2016
Rev 9.5 26 Apr 2016



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T712 (dB/m)	Amp/Cb/r/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-64.13	Pk	34.9	-17.5	11.8	0	-34.93	26.94	-61.87	200	101	V
2	5.958	-64.74	Pk	35	-17.4	11.8	0	-35.34	-27	-8.34	200	101	V

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



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (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	* 2.208	46.49	PK-U	31.7	-38		40.19	-	-	74	-33.81	-	-	231	323	H
	* 2.208	34.98	ADR	31.7	-38	.11	28.79	54	-25.21	-	-	-	-	231	323	H
5	* 4.148	43.26	PK-U	33.5	-35.4		41.36	-	-	74	-32.64	-	-	203	263	V
	* 4.148	32.72	ADR	33.5	-35.4	.11	30.93	54	-23.07	-	-	-	-	203	263	V
2	* 10.825	37.86	PK-U	38.2	-27.9		48.16	-	-	74	-25.84	-	-	27	103	H
	* 10.827	25.63	ADR	38.2	-27.9	.11	36.04	54	-17.96	-	-	-	-	27	103	H
4	3.227	34.14	ADR	33.4	-36.7		30.84	-	-	-	-	-	-	251	351	V
	3.228	45.45	PK-U	33.4	-36.7		42.15	-	-	-	-	68.2	-26.05	251	351	V
6	7.083	40.19	PK-U	35.7	-31.7		44.19	-	-	-	-	68.2	-24.01	34	278	V
	7.085	29.29	ADR	35.7	-31.7		33.29	-	-	-	-	-	-	34	278	V
3	17.13	36.4	PK-U	41	-22.4		55	-	-	-	-	68.2	-13.2	275	373	H
	17.131	24.66	ADR	41	-22.4		43.26	-	-	-	-	-	-	275	373	H

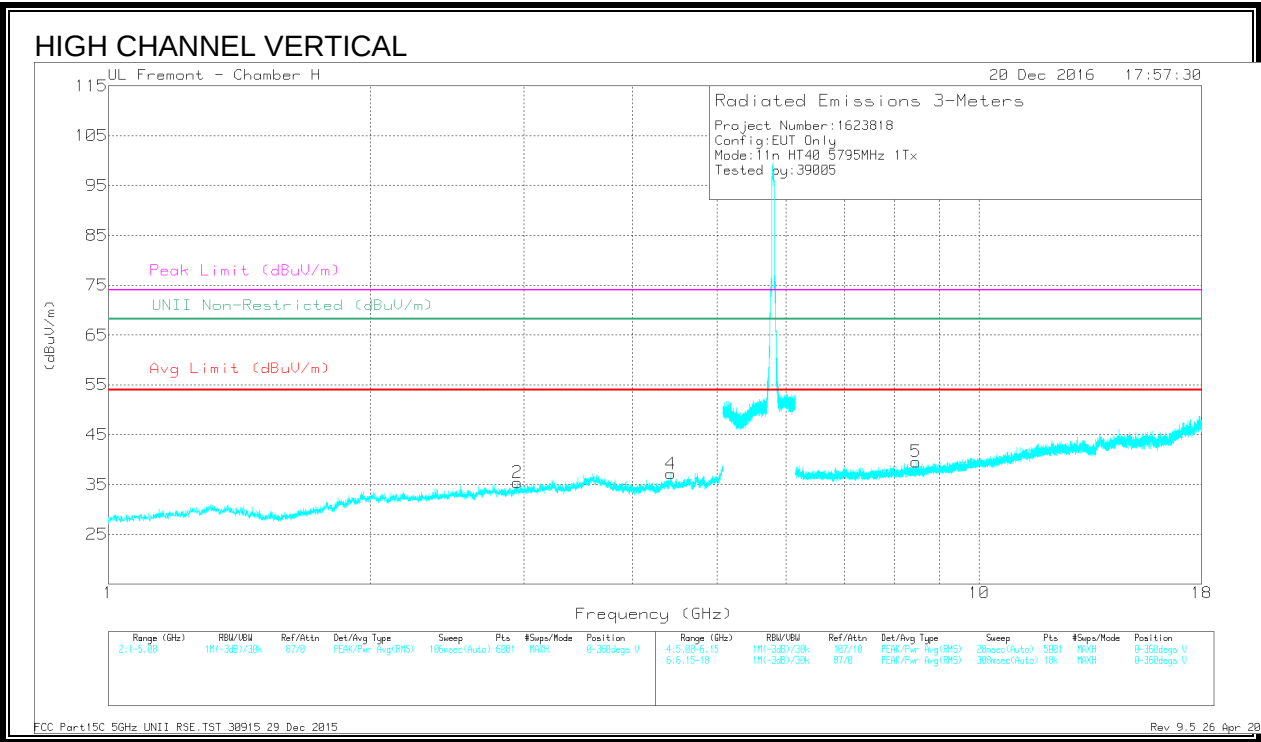
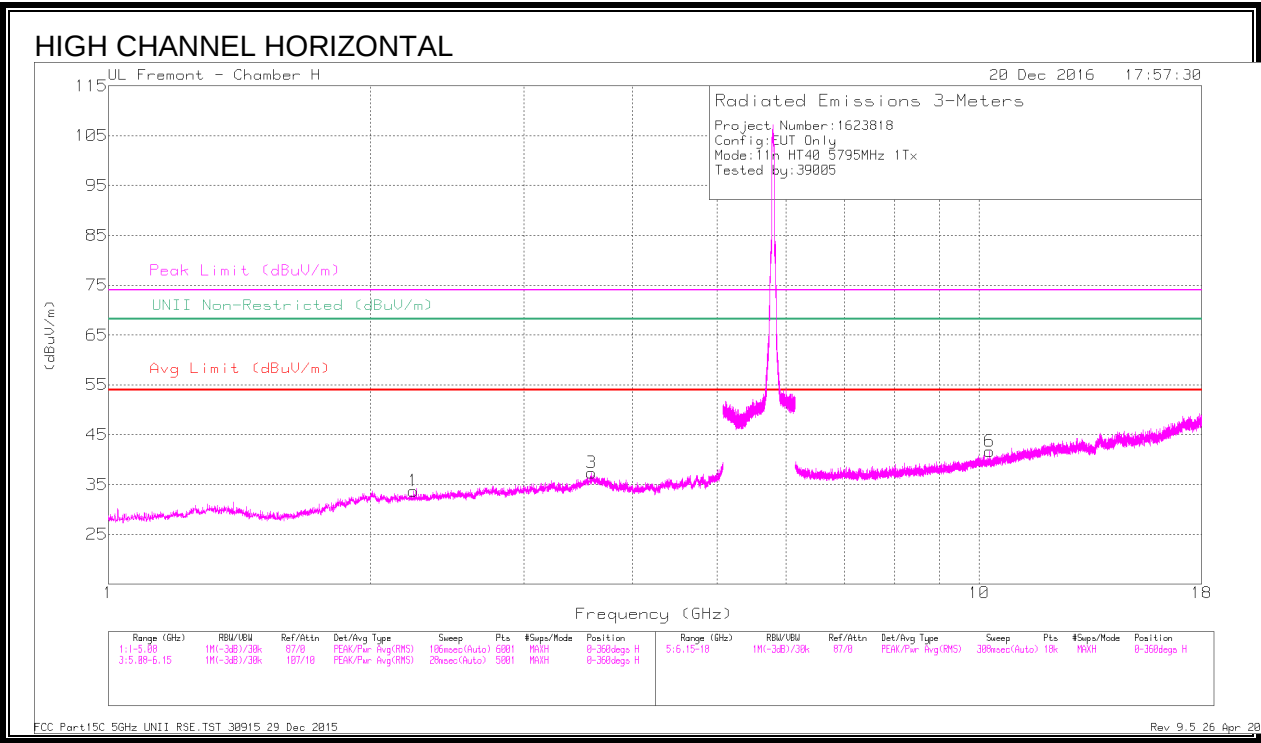
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

*.TST 30915 29 Dec 2015

Rev 9.5 26 Apr 2016



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/CM/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)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.239	47.05	PK-U	31.6	-38	0	40.65	-	-	74	-33.35	-	-	130	198	H
	* 2.241	36.1	ADR	31.6	-38	.11	29.81	54	-24.19	-	-	-	-	130	198	H
3	* 3.589	44.65	PK-U	34.9	-35.7	0	43.85	-	-	74	-30.15	-	-	152	181	H
	* 3.59	34.06	ADR	34.9	-35.7	.11	33.37	54	-20.63	-	-	-	-	152	181	H
5	* 8.456	40.52	PK-U	35.8	-29.8	0	46.52	-	-	74	-27.48	-	-	112	234	V
	* 8.458	28.78	ADR	35.8	-29.7	.11	34.99	54	-19.01	-	-	-	-	112	234	V
2	2.949	46.62	PK-U	32.9	-37.7	0	41.82	-	-	-	-	68.2	-26.38	70	213	V
4	4.429	43.44	PK-U	33.7	-34.2	0	42.94	-	-	-	-	68.2	-25.26	99	241	V
6	10.282	39.3	PK-U	37.7	-28.8	0	48.2	-	-	-	-	68.2	-20	143	204	H

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

PK-U - U-NII: Maximum Peak

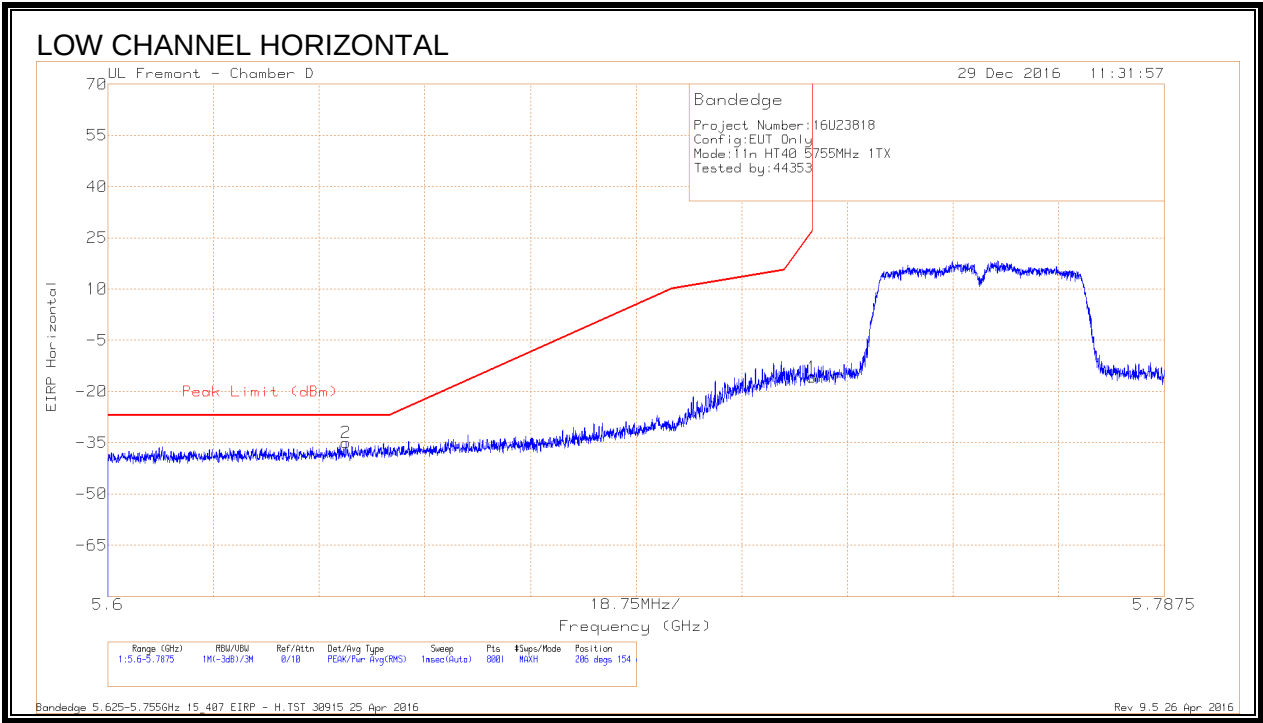
ADR - U-NII AD primary method, RMS average

FCC Part15C 5GHz UNII RSE.TST 30915 29 Dec 2015

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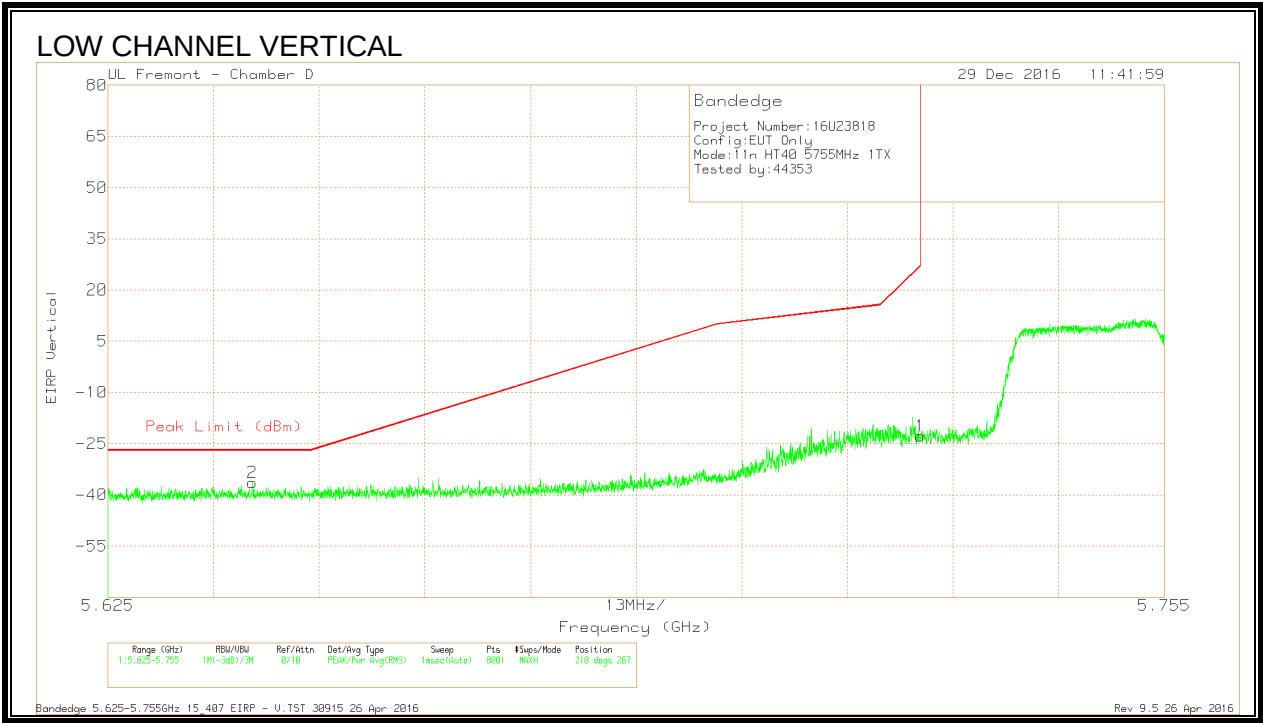
9.2.41. 11n HT40 ANTENNA B SISO MODE IN THE 5.8GHz BAND

RESTRICTED BANDEGE (LOW CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T712 (dB/m)	Amp/Cb/Ftr/P ad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.642	-63.7	Pk	34.6	-17.6	11.8	0	-34.9	-27	-7.9	206	154	H
1	5.725	-44.92	Pk	34.8	-17.5	11.8	0	-15.82	26.99	-42.81	206	154	H

Pk - Peak detector
Bandedge 5.625-5.755GHz 15_407 EIRP - H.TST 30915 25 Apr 2016
Rev 9.5 26 Apr 2016

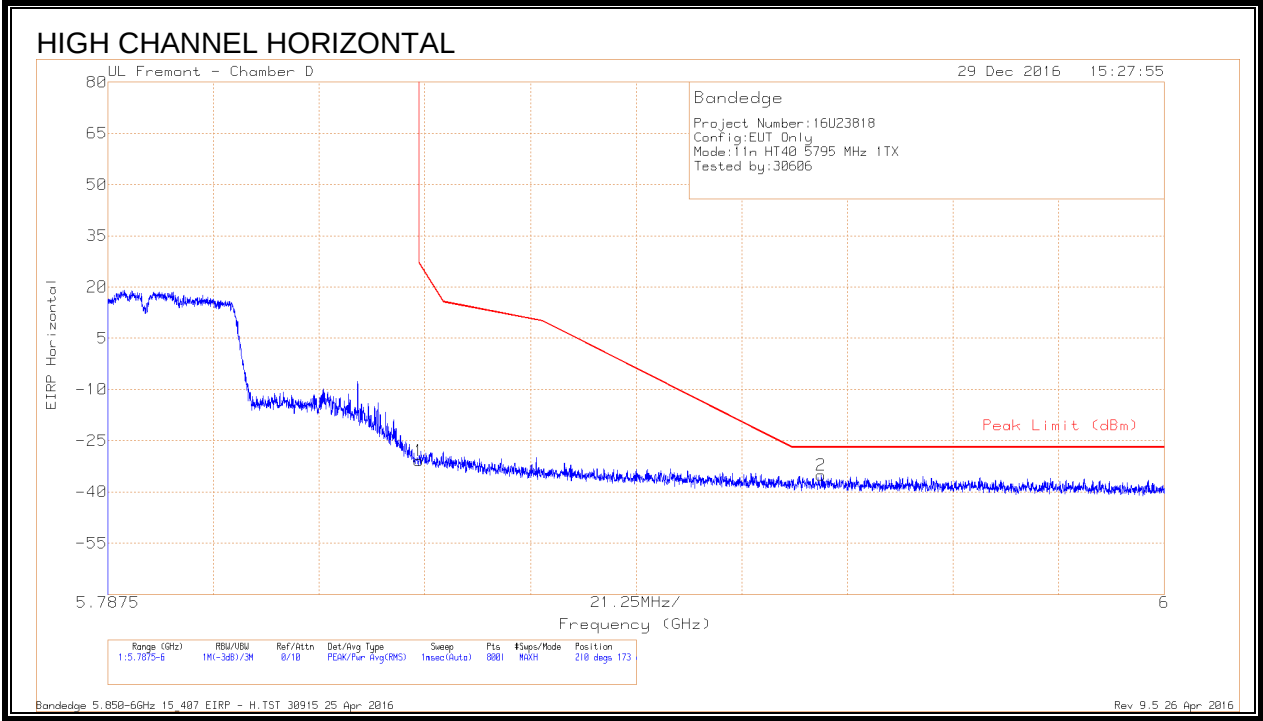


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T712 (dB/m)	Amp/Cbl/Ftr/P ad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.643	-65.15	Pk	34.6	-17.6	11.8	0	-36.35	-27	-9.35	210	267	V
1	5.725	-51.85	Pk	34.8	-17.5	11.8	0	-22.75	26.97	-49.72	210	267	V

Pk - Peak detector

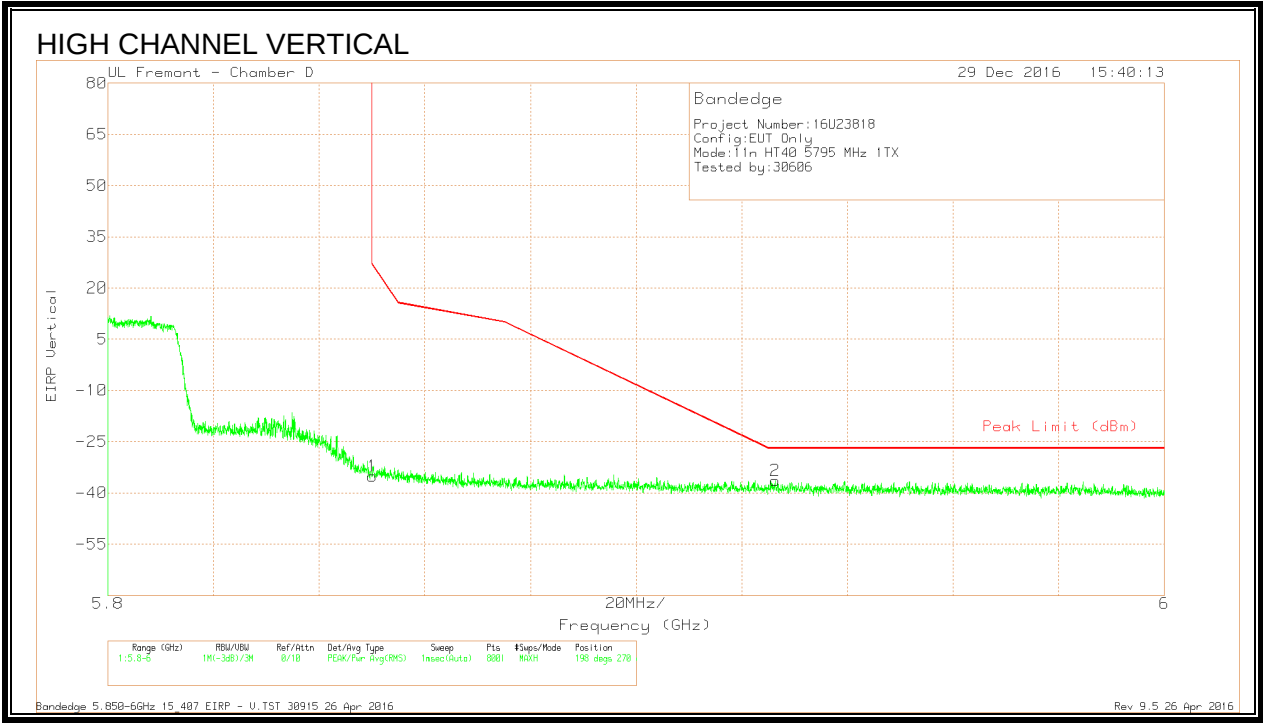
Bandedge 5.625-5.755GHz 15_407 EIRP - V.TST 30915 26 Apr 2016

Rev 9.5 26 Apr 2016



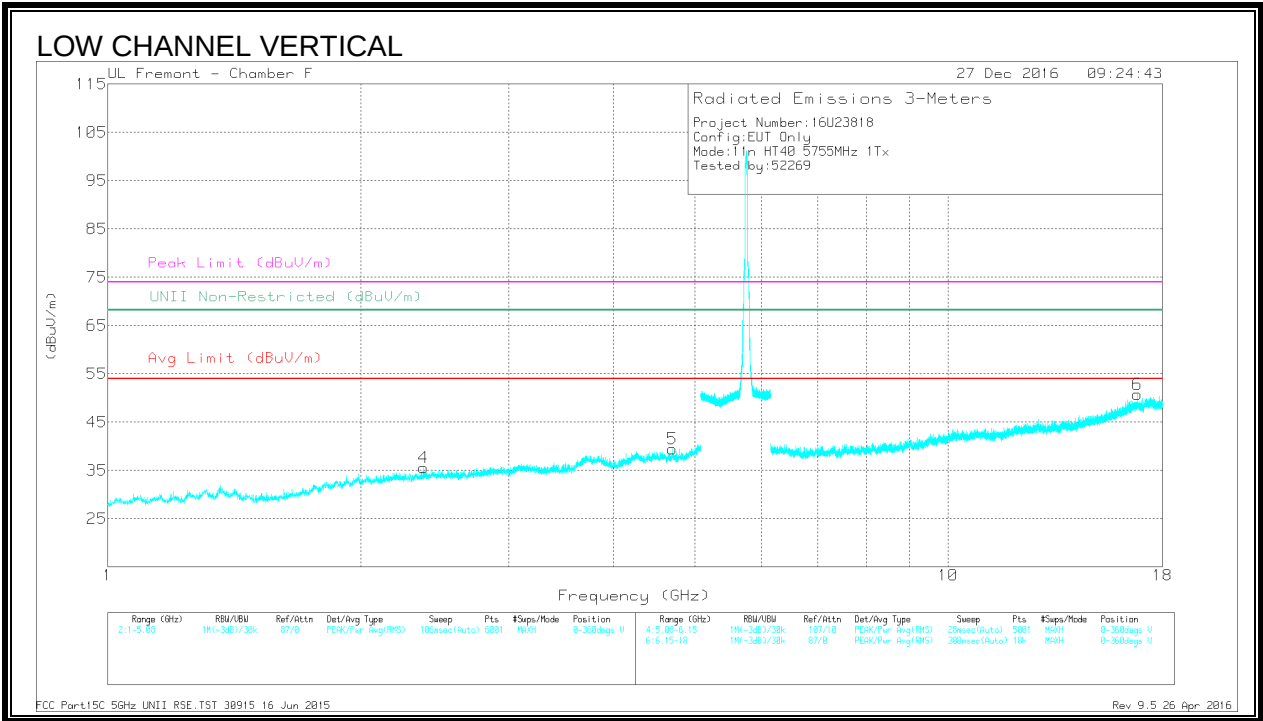
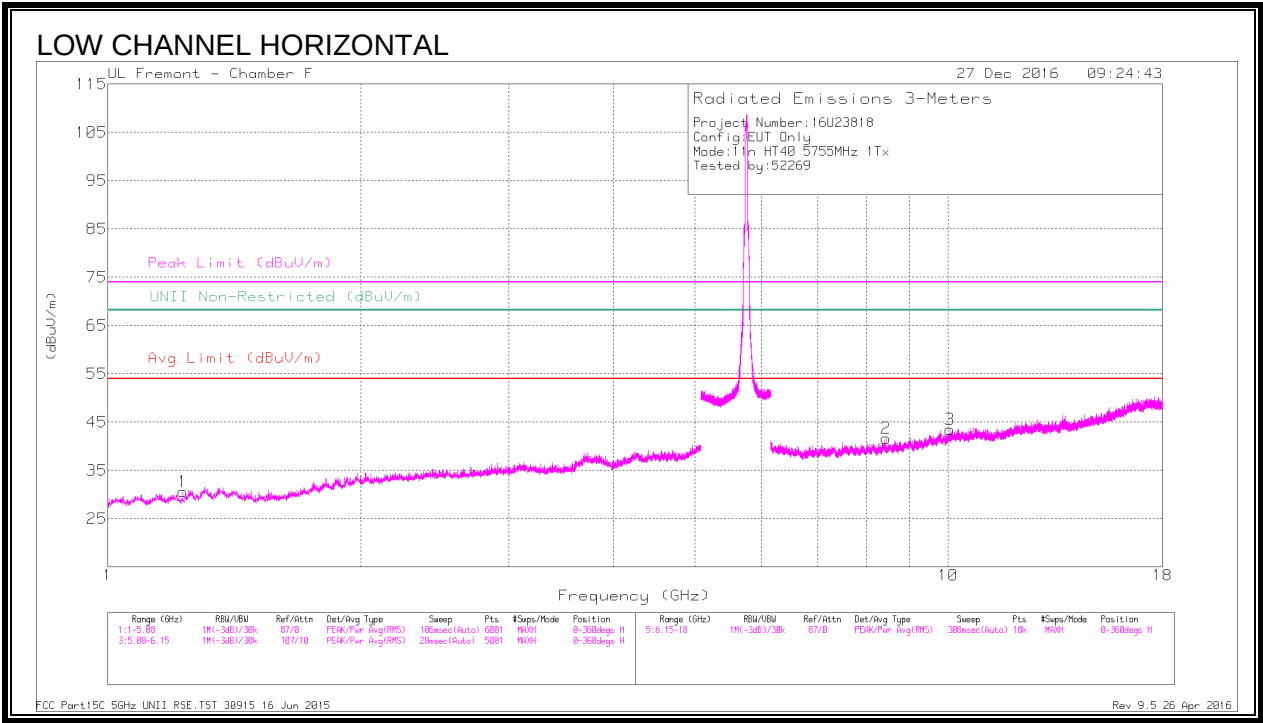
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-60.12	Pk	34.9	-17.5	11.8	0	-30.92	26.99	-57.91	210	173	H
2	5.931	-64.64	Pk	35	-17.3	11.8	0	-35.14	-27	-8.14	210	173	H

Pk - Peak detector
Bandedge 5.850-6GHz 15_407 EIRP - H.TST 30915 25 Apr 2016
Rev 9.5 26 Apr 2016



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T712 (dB/m)	Amp/Cbl/Ftr/P ad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-64.22	Pk	34.9	-17.5	11.8	0	-35.02	26.94	-61.96	198	270	V
2	5.926	-65.72	Pk	35	-17.4	11.8	0	-36.32	-27	-9.32	198	270	V

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



Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	DC Corr (dB)	Correcte d 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	* 1.229	40.47	PK-U	28.5	-32.2		36.77	-	-	74	-37.23	-	-	60	219	H
	* 1.229	29.32	ADR	28.5	-32.2	.11	25.73	54	-28.27	-	-	-	-	60	219	H
4	* 2.376	40.25	PK-U	32.1	-30.6		41.75	-	-	74	-32.25	-	-	81	265	V
	* 2.376	29.07	ADR	32.1	-30.6	.11	30.68	54	-23.32	-	-	-	-	81	265	V
5	* 4.704	38.2	PK-U	34.2	-27.3		45.1	-	-	74	-28.9	-	-	48	271	V
	* 4.701	27.33	ADR	34.2	-27.2	.11	34.44	54	-19.56	-	-	-	-	48	271	V
2	* 8.436	34.99	PK-U	35.7	-24.1		46.59	-	-	74	-27.41	-	-	112	336	H
	* 8.437	24.18	ADR	35.7	-24.1	.11	35.89	54	-18.11	-	-	-	-	112	336	H
3	10.057	32.71	PK-U	37.1	-21.4		48.41	-	-	-	-	68.2	-19.79	5	148	H
6	16.795	34.02	PK-U	41.9	-19.8		56.12	-	-	-	-	68.2	-12.08	237	116	V

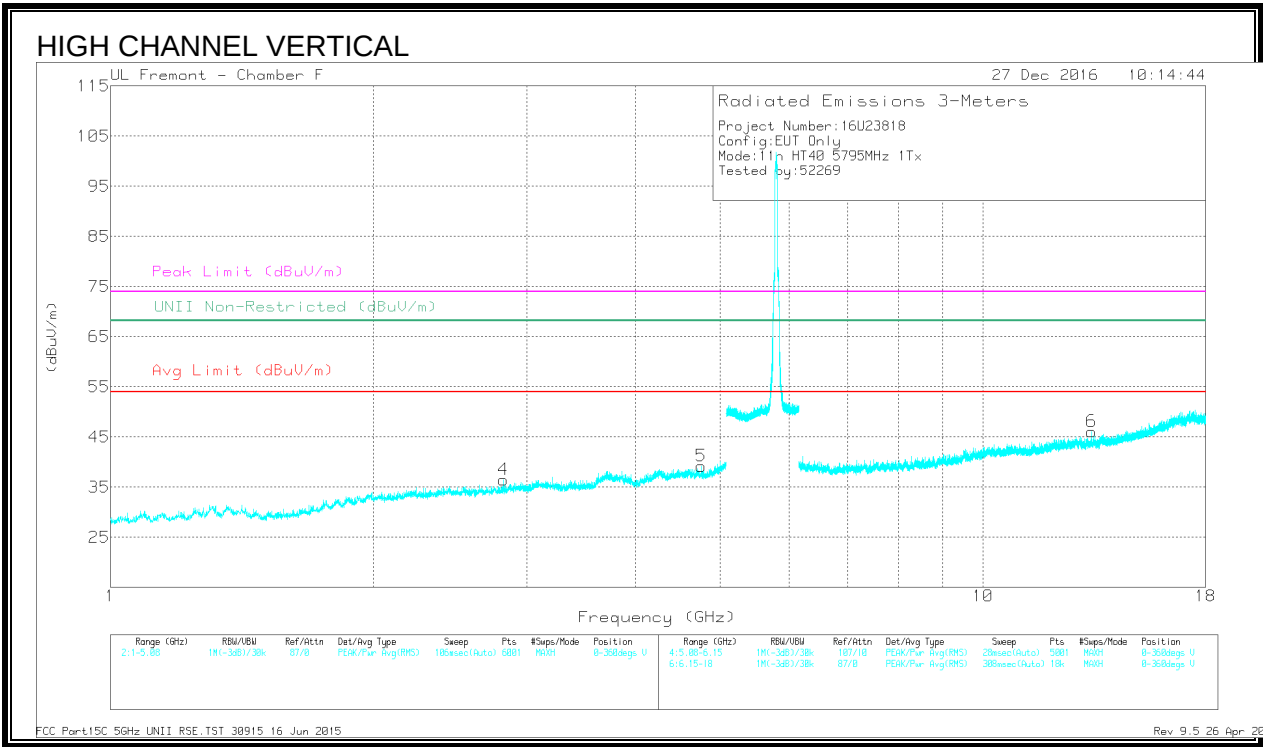
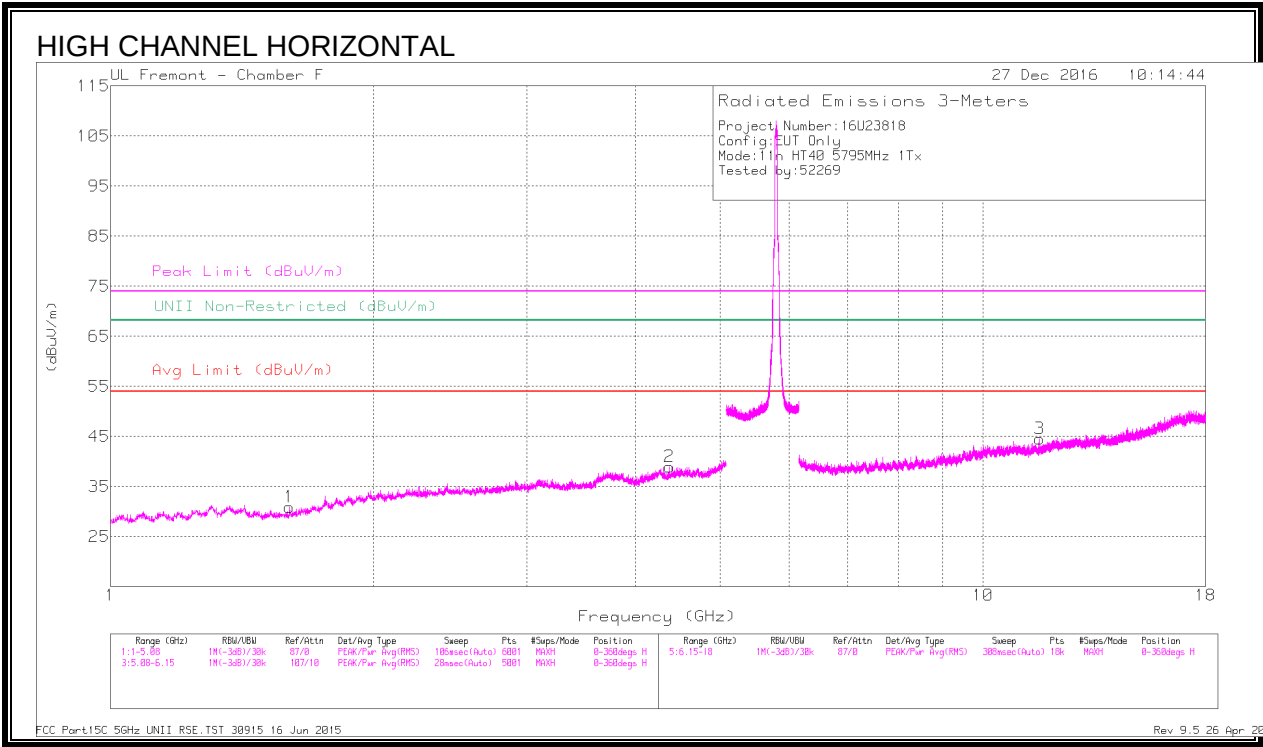
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

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

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Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	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	* 1.606	40.31	PK-U	28.2	-31.6	0	36.91	-	-	74	-37.09	-	-	186	312	H
	* 1.606	29.38	ADR	28.2	-31.6	.11	26.09	54	-27.91	-	-	-	-	186	312	H
2	* 4.369	38.51	PK-U	33.9	-28.9	0	43.51	-	-	74	-30.49	-	-	69	307	H
	* 4.368	28.02	ADR	33.9	-28.9	.11	33.13	54	-20.87	-	-	-	-	69	307	H
4	* 2.819	39.4	PK-U	32.5	-29.9	0	42	-	-	74	-32	-	-	87	249	V
	* 2.818	28.51	ADR	32.5	-29.9	.11	31.22	54	-22.78	-	-	-	-	87	249	V
5	* 4.752	38.23	PK-U	34.1	-27.6	0	44.73	-	-	74	-29.27	-	-	245	191	V
	* 4.752	27.41	ADR	34.1	-27.6	.11	34.02	54	-19.98	-	-	-	-	245	191	V
3	* 11.619	34.09	PK-U	38.2	-22.6	0	49.69	-	-	74	-24.31	-	-	221	306	H
	* 11.618	23.19	ADR	38.2	-22.5	.11	39	54	-15	-	-	-	-	221	306	H
6	* 13.321	35.92	PK-U	39.1	-23.2	0	51.82	-	-	74	-22.18	-	-	282	177	V
	* 13.32	24.77	ADR	39.1	-23.2	.11	40.78	54	-13.22	-	-	-	-	282	177	V

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

PK-U - U-NII: Maximum Peak

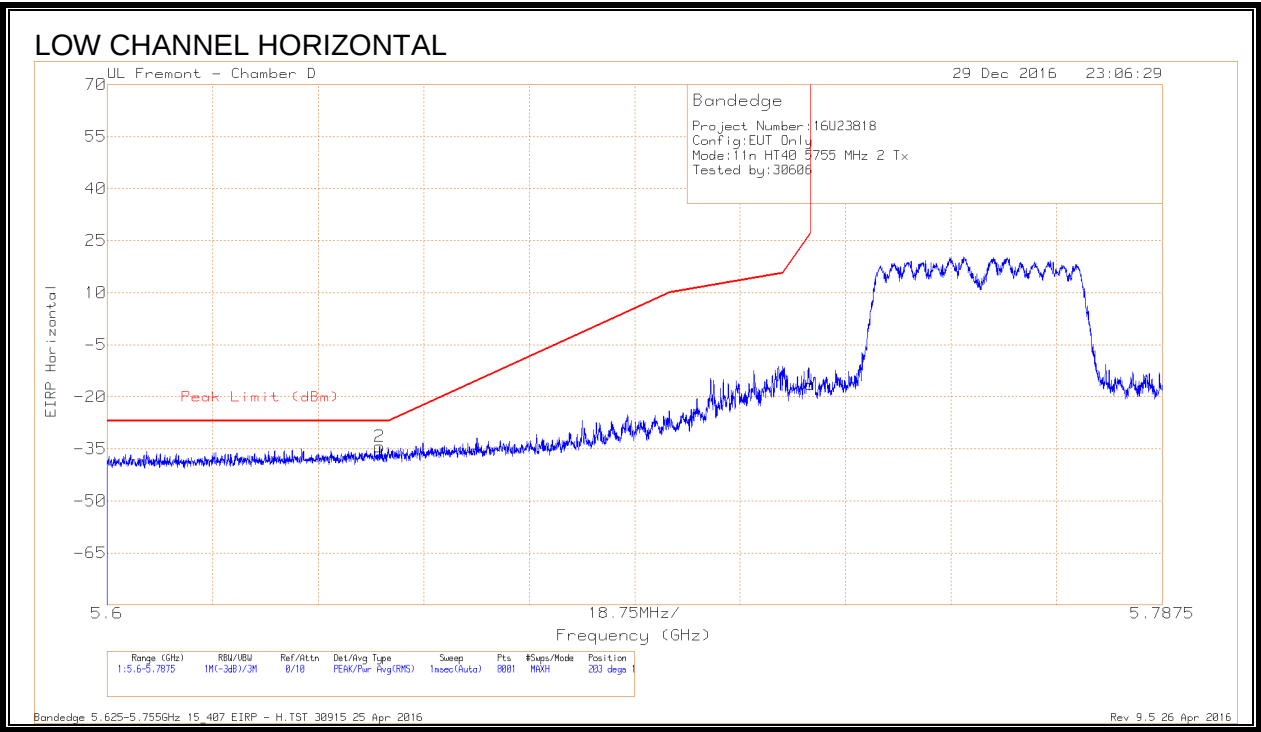
ADR - U-NII AD primary method, RMS average

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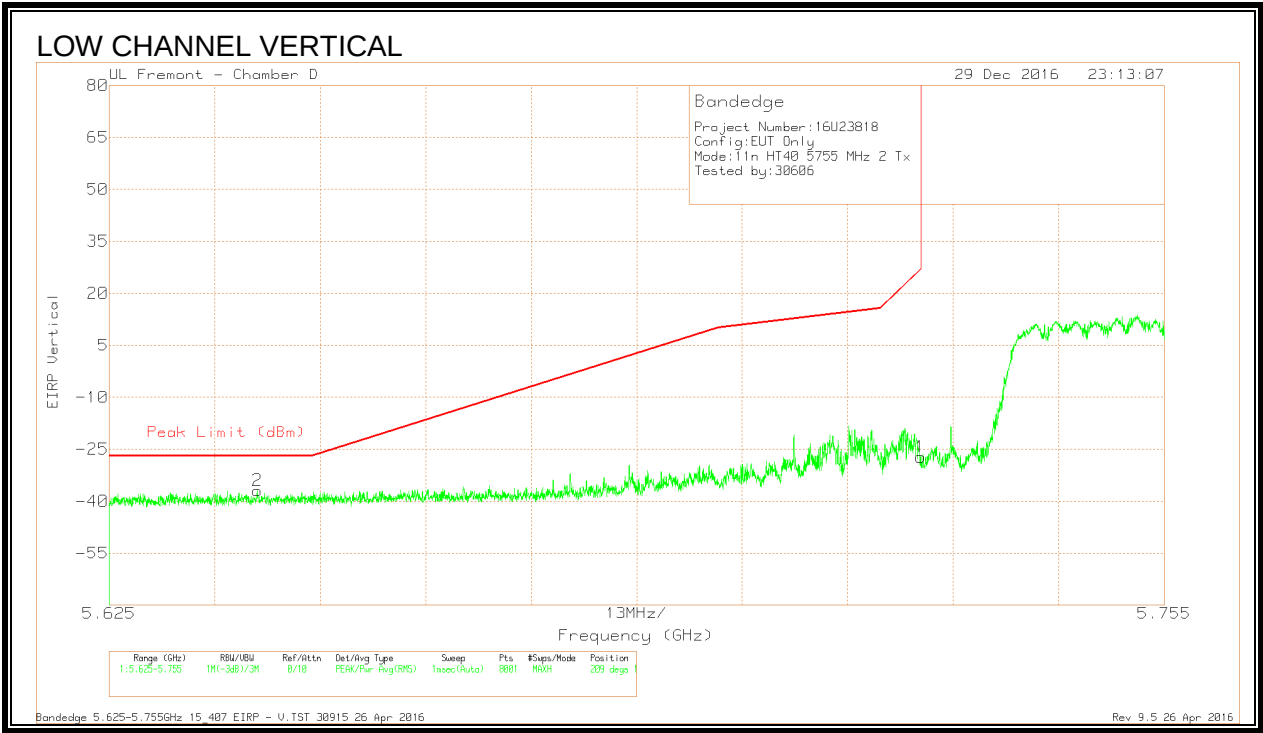
9.2.42. 11n HT40 2TX CDD MIMO MODE IN THE 5.8GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



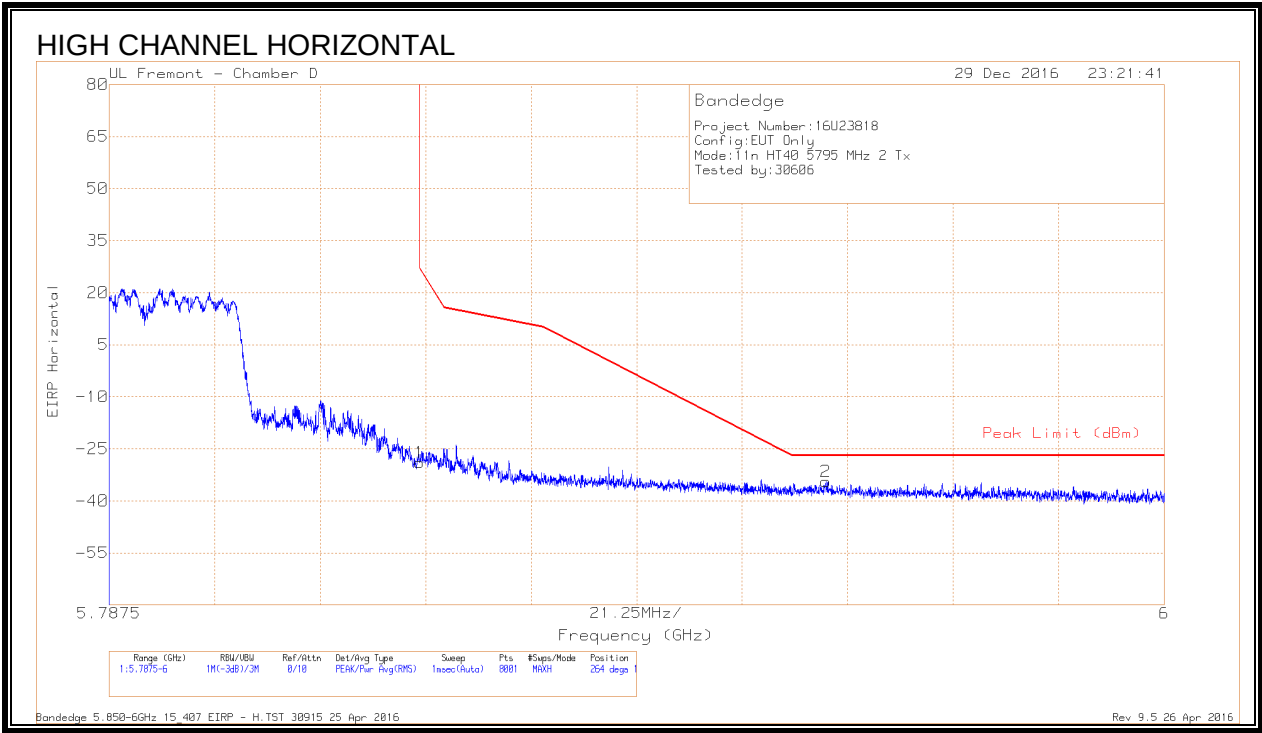
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T712 (dB/m)	Ampl/Cbl/ Filt/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-45.65	Pk	34.8	-17.5	11.8	0	-16.55	26.99	-43.54	203	127	H
2	5.648	-63.25	Pk	34.6	-17.5	11.8	0	-34.35	-27	-7.35	203	127	H

Pk - Peak detector
Bandedge 5.625-5.755GHz 15_407 EIRP - H.TST 30915 25 Apr 2016
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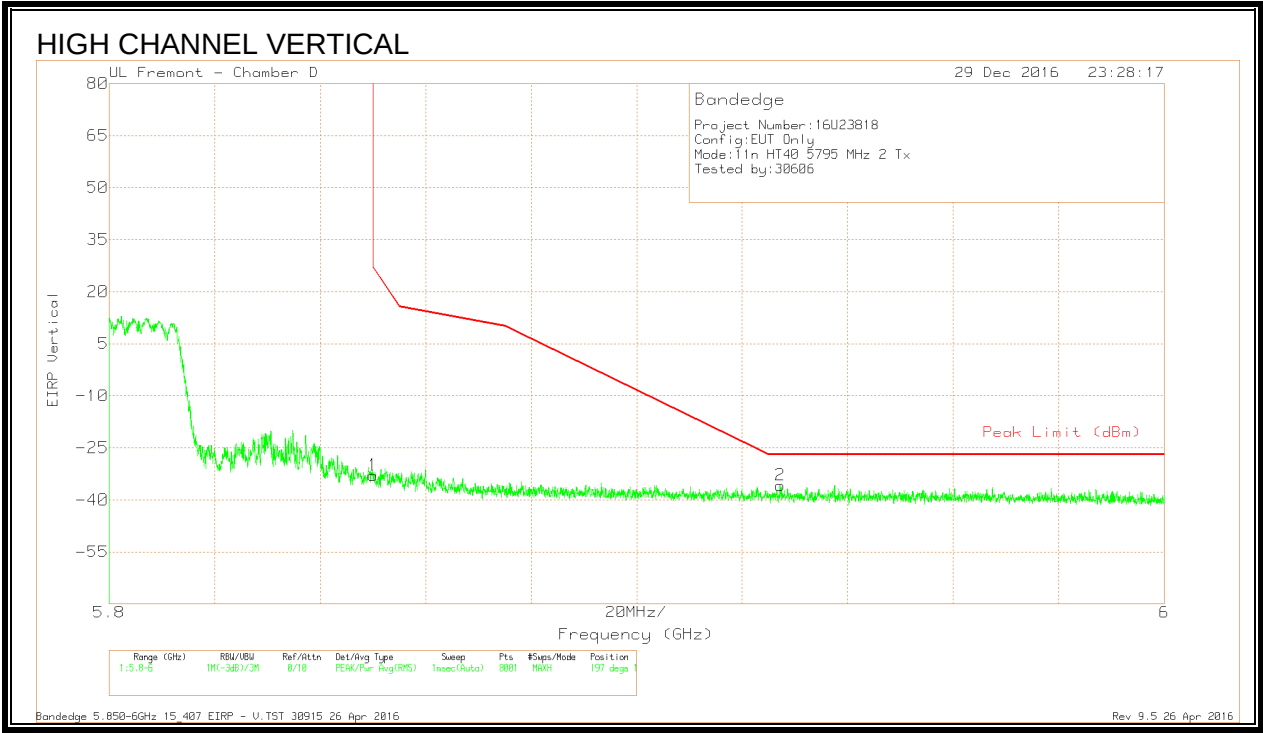
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T712 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-56.33	Pk	34.8	-17.5	11.8	0	-27.23	26.97	-54.2	209	119	V
2	5.643	-65.73	Pk	34.6	-17.6	11.8	0	-36.93	-27	-9.93	209	119	V

Pk - Peak detector
Bandedge 5.625-5.755GHz 15_407 EIRP - V.TST 30915 26 Apr 2016
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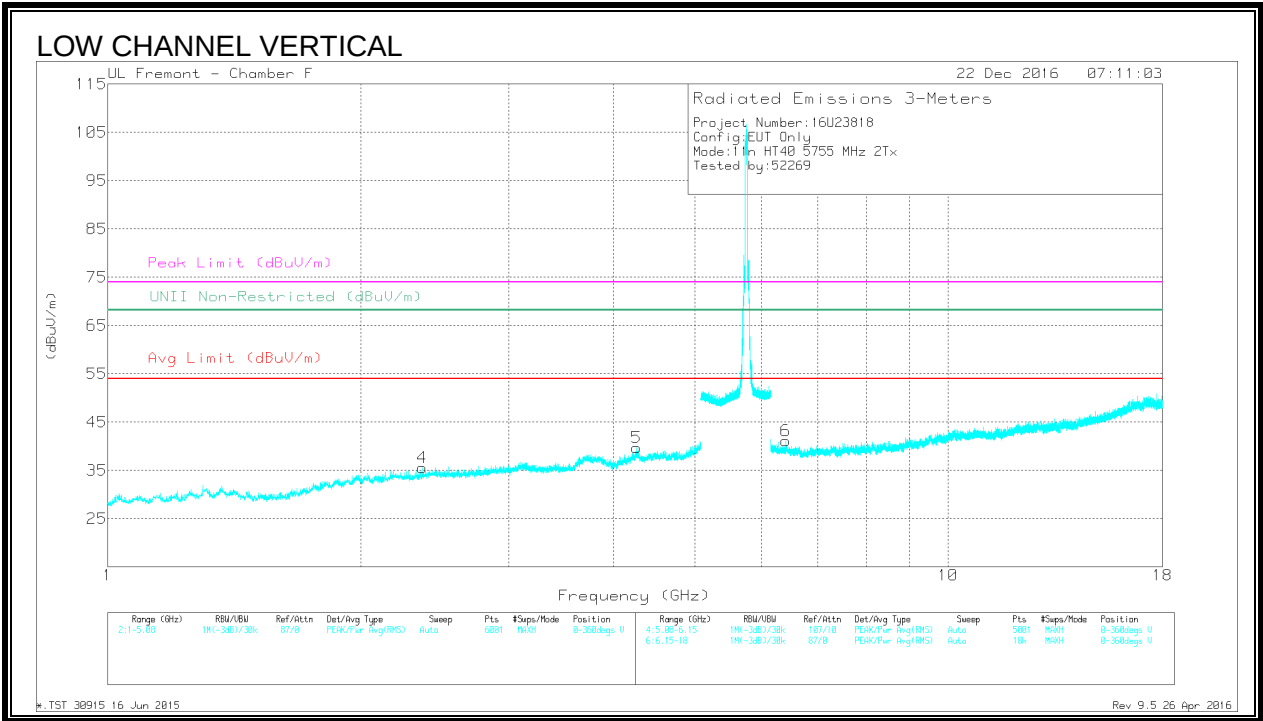
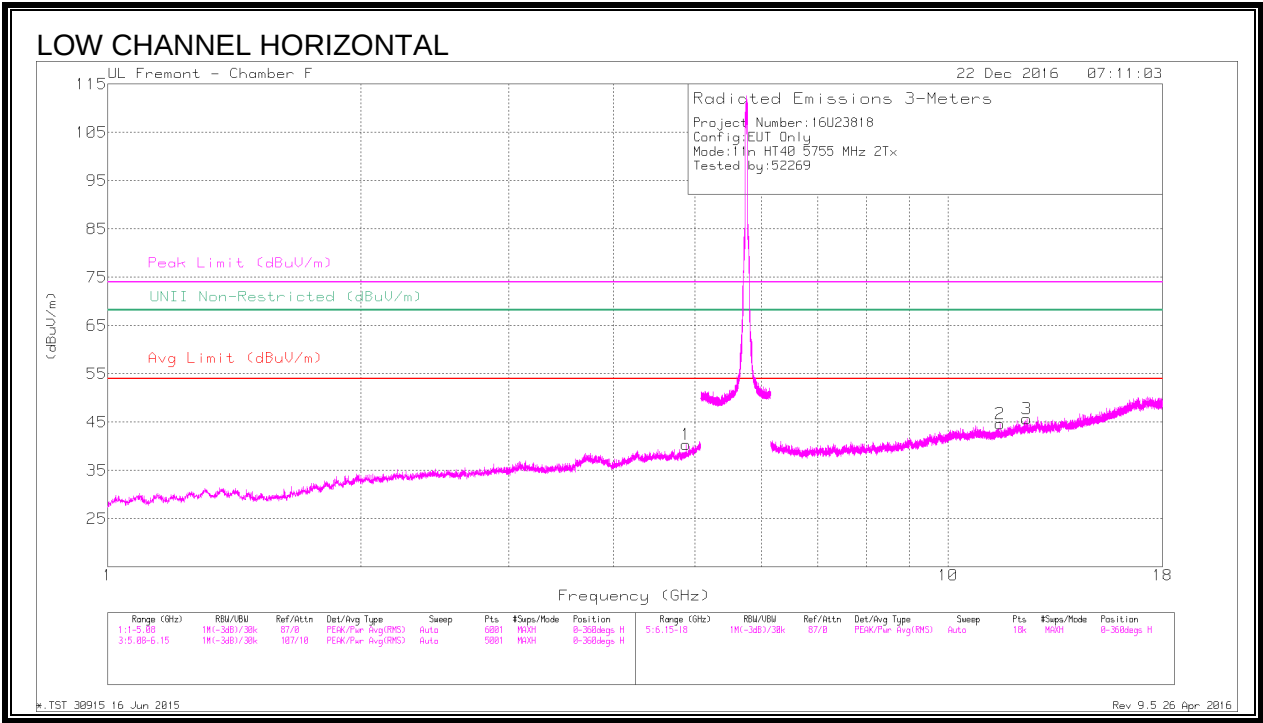
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T712 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-58.22	Pk	34.9	-17.5	11.8	0	-29.02	26.99	-56.01	264	115	H
2	5.932	-63.96	Pk	35	-17.3	11.8	0	-34.46	-27	-7.46	264	115	H

Pk - Peak detector
Bandedge 5.850-6GHz 15_407 EIRP - H.TST 30915 25 Apr 2016
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Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T712 (dB/m)	Ampl/Cbl/ Filt/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-62.11	Pk	34.9	-17.5	11.8	0	-32.91	26.94	-59.85	197	108	V
2	5.927	-65.19	Pk	35	-17.4	11.8	0	-35.79	-27	-8.79	197	108	V

Pk - Peak detector
Bandedge 5.850-6GHz 15_407 EIRP - V.TST 30915 26 Apr 2016
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Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cb I/Filtr/Pa d (dB)	DC Corr (dB)	Correct ed Reading (dBuV/ m)	Avg Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	UNII Non-Restrict ed (dBuV/ m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.881	37.7	PK-U	34.1	-27.4	0	44.4	-	-	74	-29.6	-	-	37	194	H
	* 4.879	27.07	ADR	34.1	-27.5	.1	33.77	54	-20.23	-	-	-	-	37	194	H
4	* 2.37	40.23	PK-U	32	-30.6	0	41.63	-	-	74	-32.37	-	-	346	313	V
	* 2.369	28.84	ADR	32	-30.6	.1	30.34	54	-23.66	-	-	-	-	346	313	V
5	* 4.262	36.94	PK-U	33.7	-26.4	0	44.24	-	-	74	-29.76	-	-	208	334	V
	* 4.259	26.45	ADR	33.7	-26.5	.1	33.75	54	-20.25	-	-	-	-	208	334	V
2	* 11.54	33.84	PK-U	38.1	-22.5	0	49.44	-	-	74	-24.56	-	-	17	235	H
	* 11.538	23.39	ADR	38.1	-22.5	.1	39.09	54	-14.91	-	-	-	-	17	235	H
3	* 12.409	34.25	PK-U	39	-22.6	0	50.65	-	-	74	-23.35	-	-	158	297	H
	* 12.409	24.08	ADR	39	-22.6	.1	40.58	54	-13.42	-	-	-	-	158	297	H
6	6.417	37.1	PK-U	35.4	-26.6	0	45.9	-	-	-	-	68.2	-22.3	141	101	V

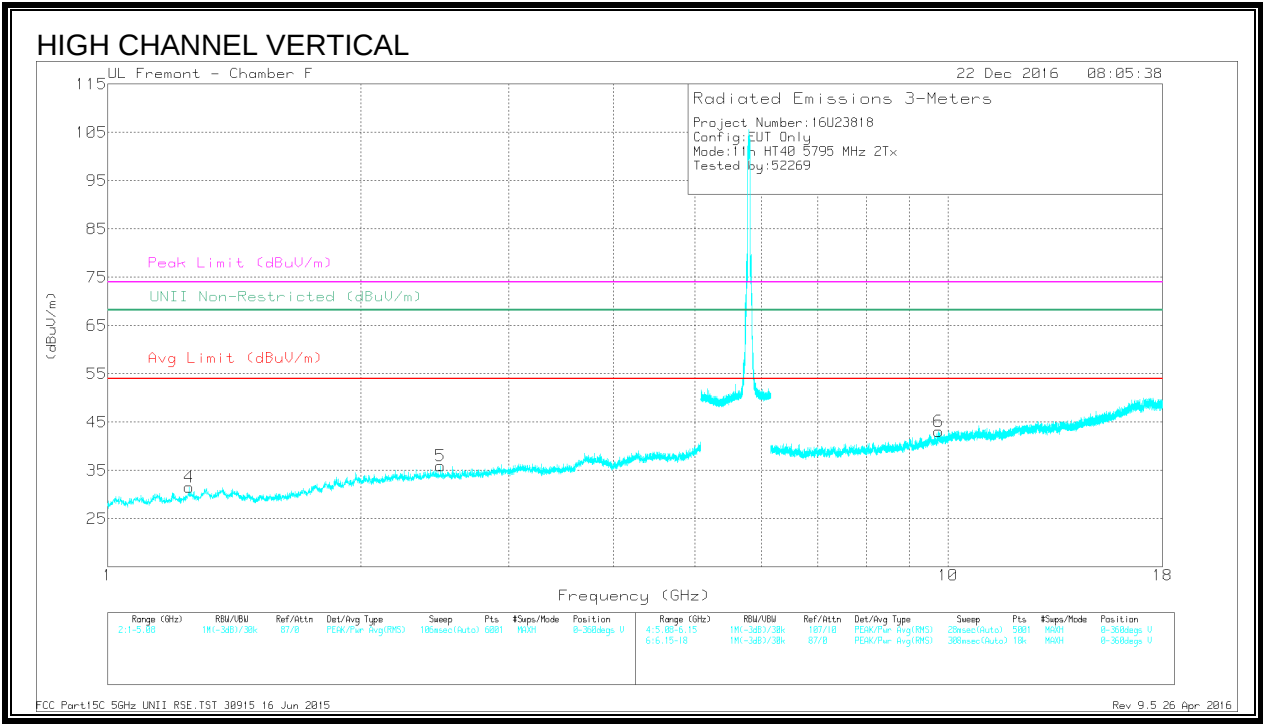
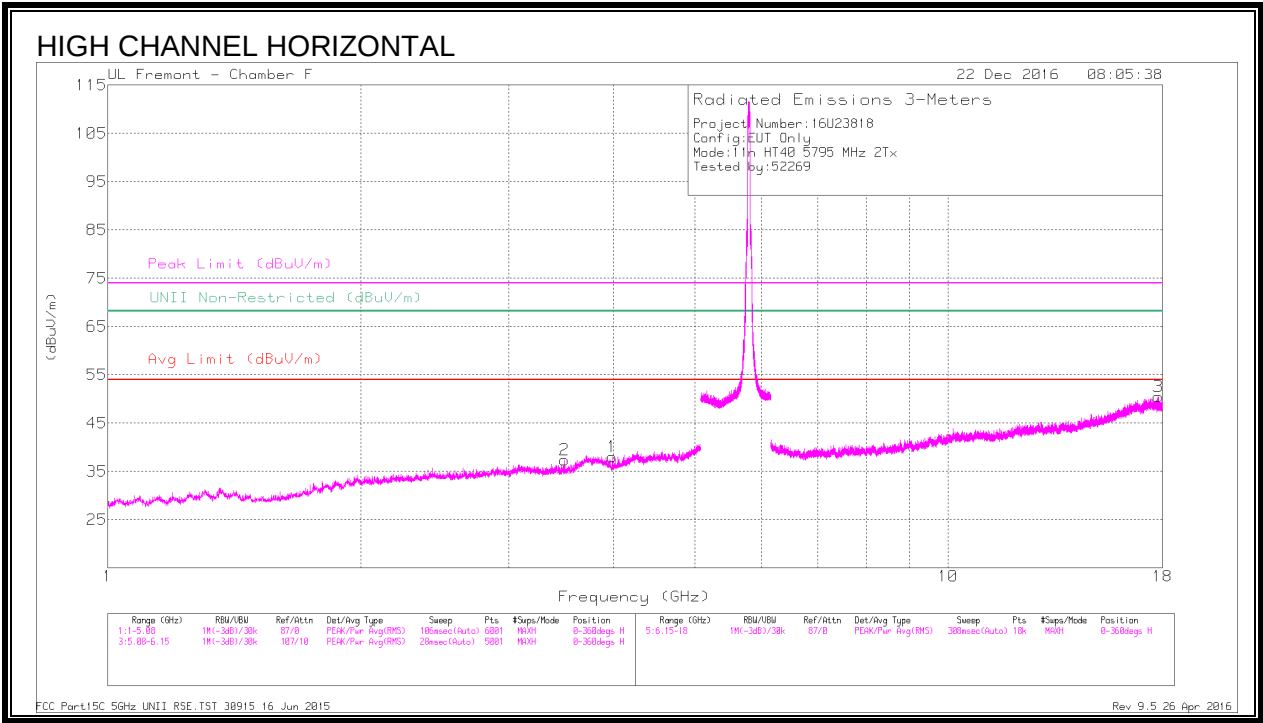
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

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Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	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	* 3.987	37.7	PK-U	33.3	-29	0	42	-	-	74	-32	-	-	203	165	H
	* 3.987	27.49	ADR	33.3	-29	.1	31.89	54	-22.11	-	-	-	-	203	165	H
2	3.495	39.59	PK-U	32.9	-29.6	0	42.89	-	-	-	-	68.2	-25.31	203	352	H
4	* 1.25	41.14	PK-U	28.6	-32	0	37.74	-	-	74	-36.26	-	-	0	295	V
	* 1.25	30.05	ADR	28.6	-32	.1	26.75	54	-27.25	-	-	-	-	0	295	V
5	* 2.49	39.78	PK-U	32.3	-30.6	0	41.48	-	-	74	-32.52	-	-	191	298	V
	* 2.489	29.02	ADR	32.3	-30.6	.1	30.82	54	-23.18	-	-	-	-	191	298	V
3	* 17.799	33.59	PK-U	41.2	-19.2	0	55.59	-	-	74	-18.41	-	-	57	139	H
	* 17.799	23.39	ADR	41.2	-19.2	.1	45.49	54	-8.51	-	-	-	-	57	139	H
6	9.74	33.33	PK-U	36.7	-21.8	0	48.23	-	-	-	-	68.2	-19.97	348	254	V

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

PK-U - U-NII: Maximum Peak

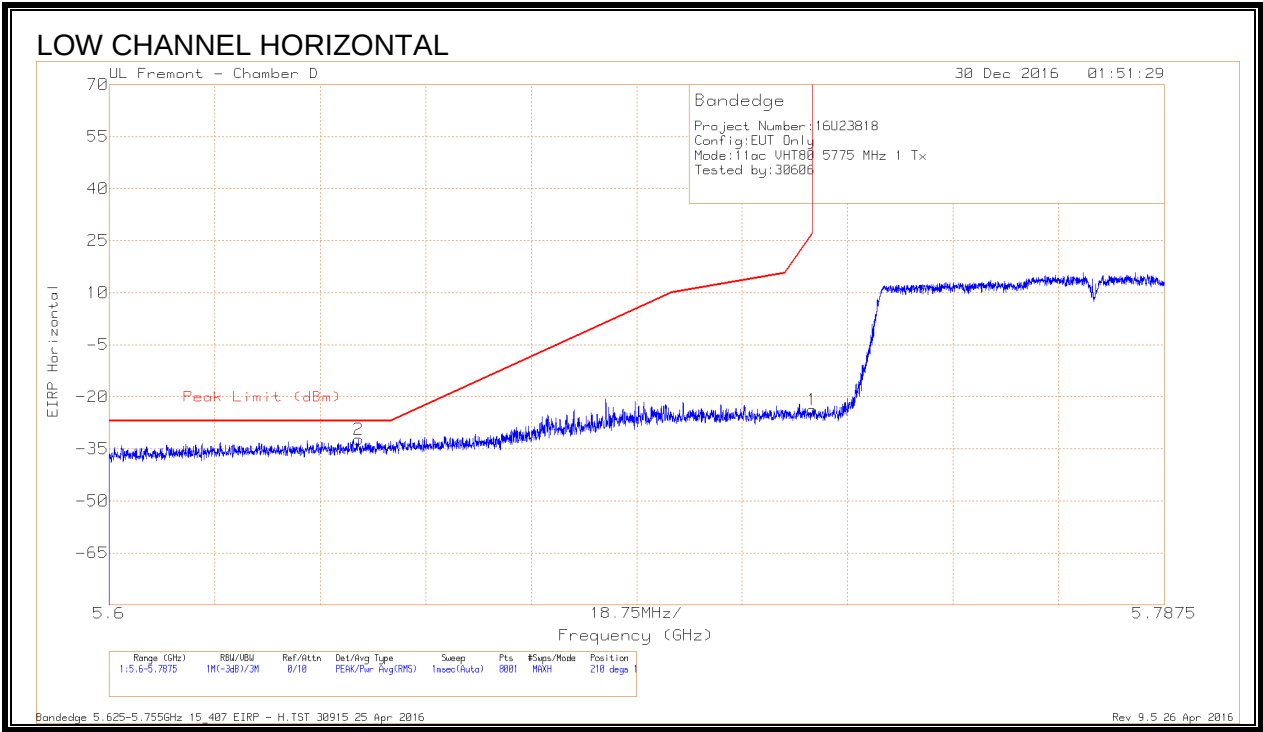
ADR - U-NII AD primary method, RMS average

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

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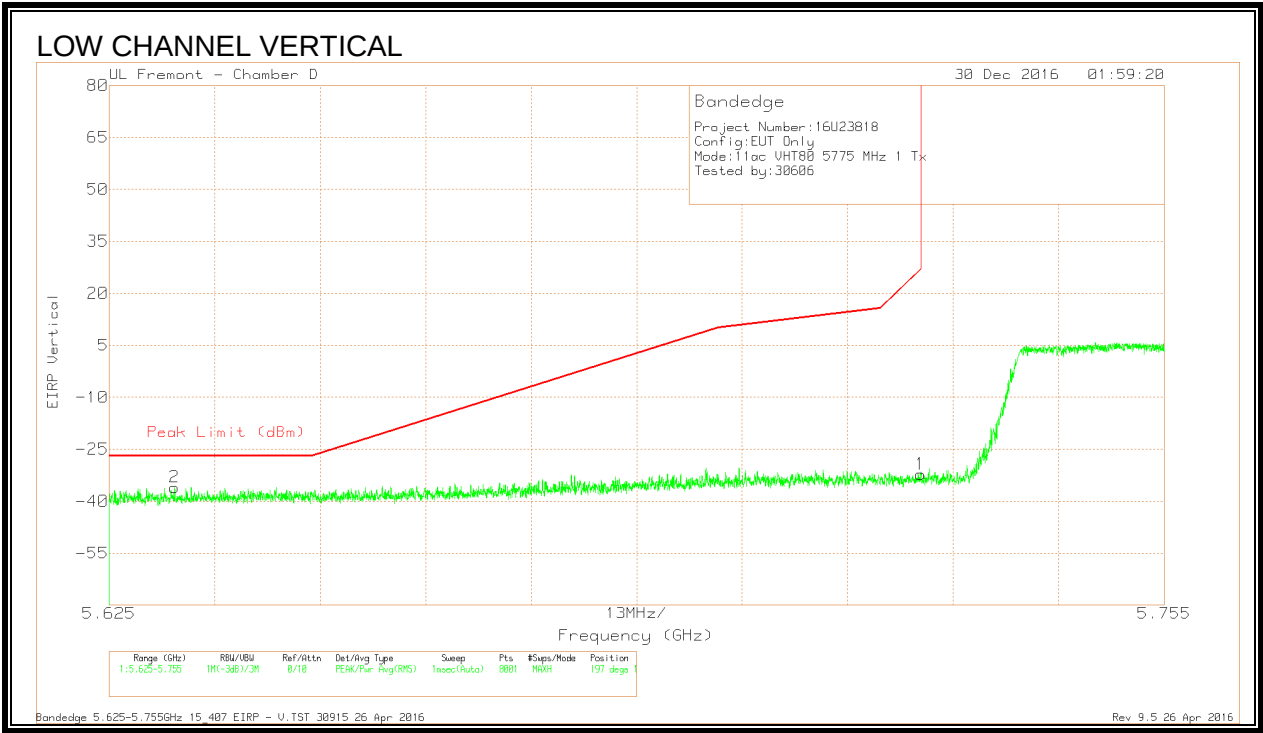
9.2.43. 11ac HT80 ANTENNA A SISO MODE IN THE 5.8GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



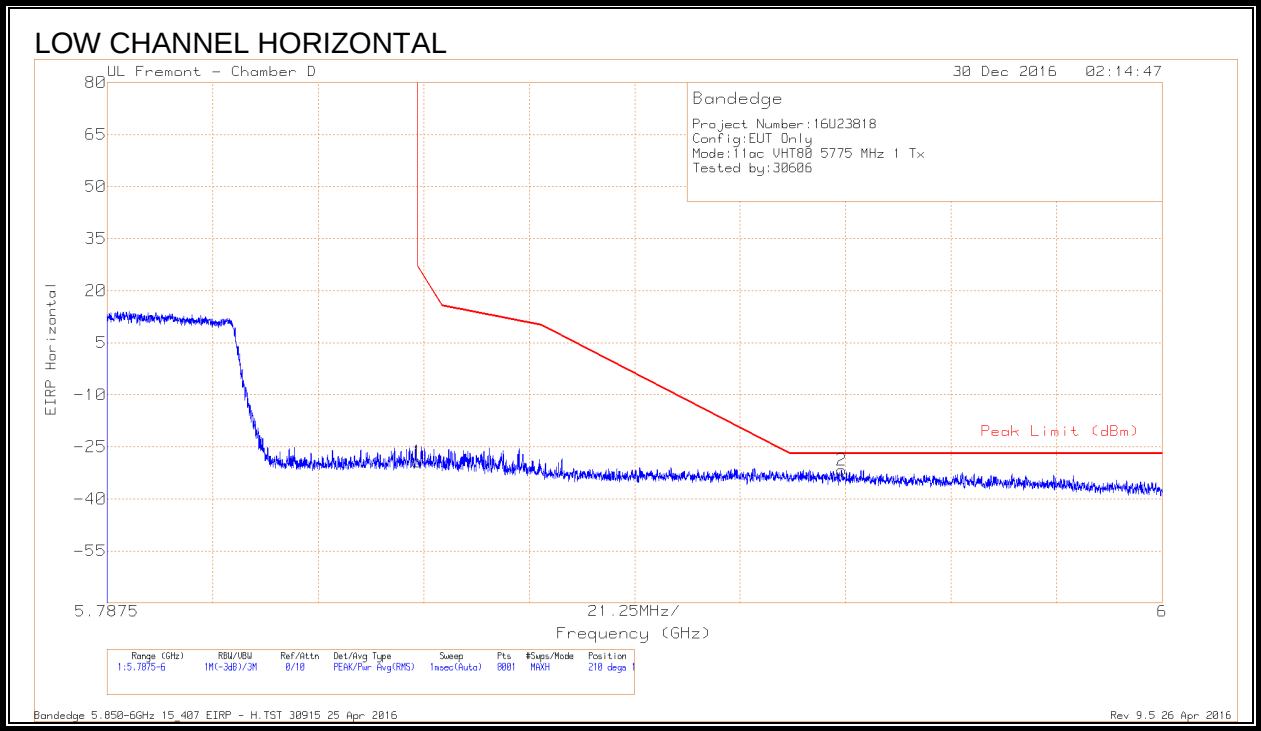
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T712 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-52.85	Pk	34.8	-17.5	11.8	0	-23.75	26.99	-50.74	210	162	H
2	5.644	-61.19	Pk	34.6	-17.5	11.8	0	-32.29	-27	-5.29	210	162	H

Pk - Peak detector
Bandedge 5.625-5.755GHz 15_407 EIRP - H.TST 30915 25 Apr 2016
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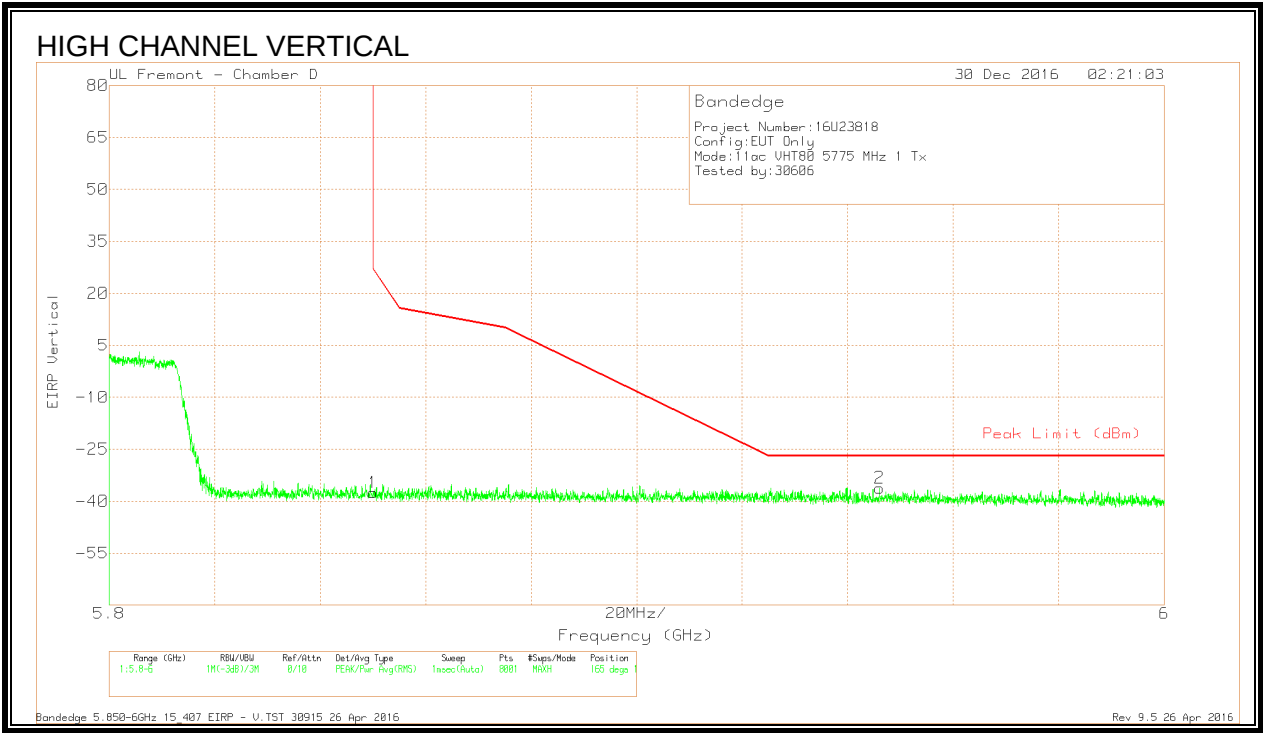
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T712 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-61.31	Pk	34.8	-17.5	11.8	0	-32.21	26.97	-59.18	197	105	V
2	5.633	-64.86	Pk	34.6	-17.5	11.8	0	-35.96	-27	-8.96	197	105	V

Pk - Peak detector
Bandedge 5.625-5.755GHz 15_407 EIRP - V.TST 30915 26 Apr 2016
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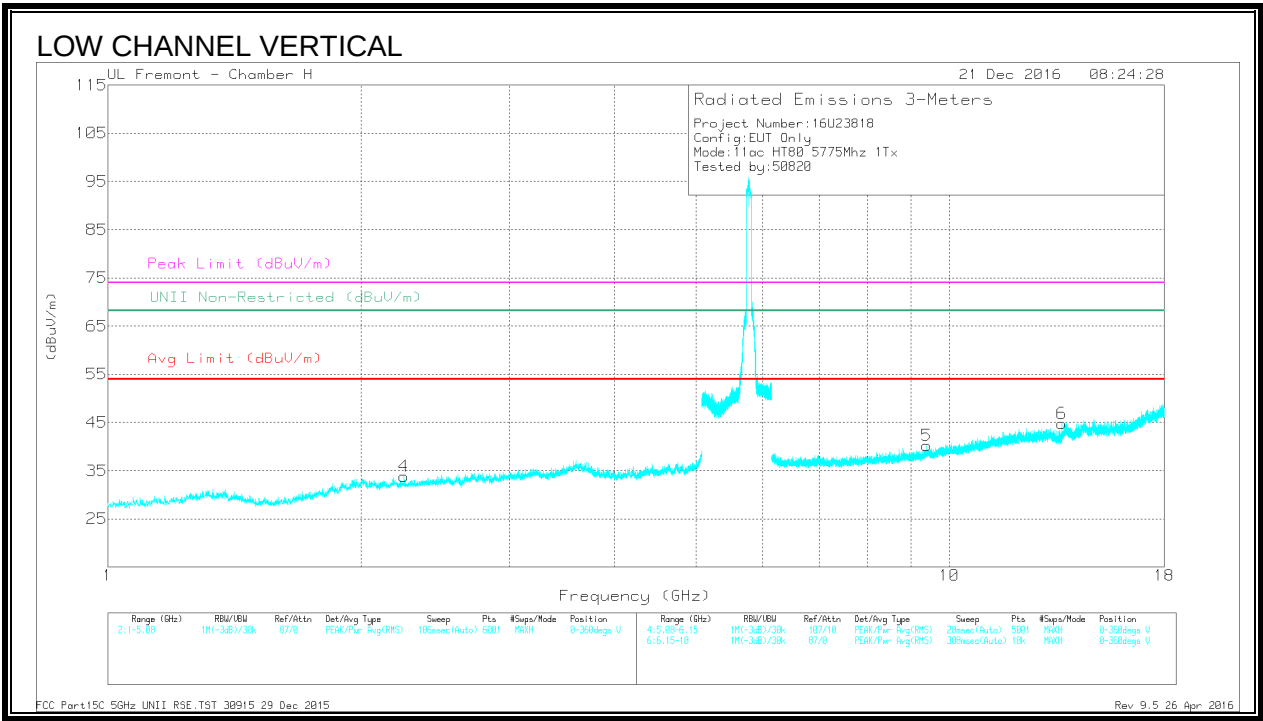
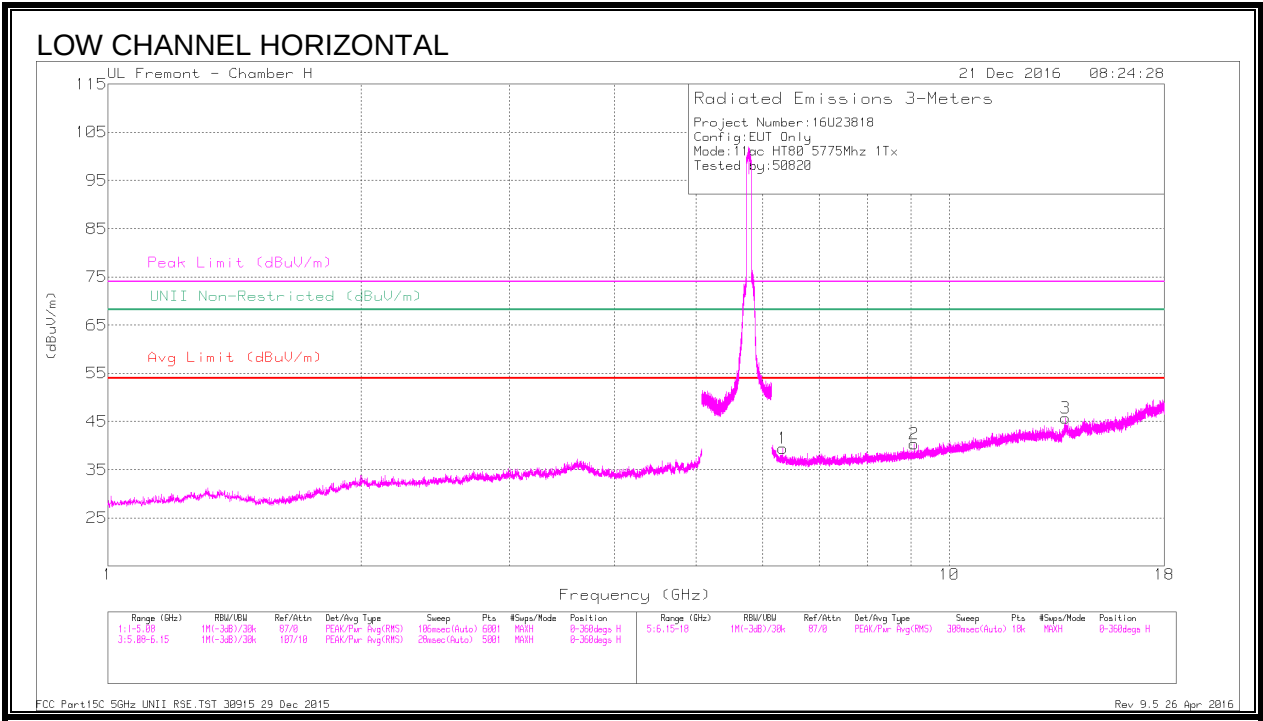
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T712 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-58.45	Pk	34.9	-17.5	11.8	0	-29.25	26.99	-56.24	210	112	H
2	5.935	-61.08	Pk	35	-17.4	11.8	0	-31.68	-27	-4.68	210	112	H

Pk - Peak detector
Bandedge 5.850-6GHz 15_407 EIRP - H.TST 30915 25 Apr 2016
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Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T712 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-66.72	Pk	34.9	-17.5	11.8	0	-37.52	26.94	-64.46	165	107	V
2	5.946	-65.59	Pk	35	-17.4	11.8	0	-36.19	-27	-9.19	165	107	V

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



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cb I/Filtr/Pa d (dB)	DC Corr (dB)	Correct ed Reading (dBuV/ m)	Avg Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	UNII Non-Restrict ed (dBuV/ m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 2.25	46.53	PK-U	31.6	-38	0	40.13	-	-	74	-33.87	-	-	9	324	V
	* 2.248	35.44	ADR	31.6	-38	.2	29.24	54	-24.76	-	-	-	-	9	324	V
2	* 9.085	38.85	PK-U	36.3	-29.2	0	45.95	-	-	74	-28.05	-	-	126	183	H
	* 9.086	27.37	ADR	36.3	-29.2	.2	34.67	54	-19.33	-	-	-	-	126	183	H
5	* 9.388	38.11	PK-U	36.7	-29	0	45.81	-	-	74	-28.19	-	-	40	103	V
	* 9.39	27.12	ADR	36.7	-29	.2	35.02	54	-18.98	-	-	-	-	40	103	V
1	6.338	41.64	PK-U	35.5	-32.2	0	44.94	-	-	-	-	68.2	-23.26	129	118	H
	6.339	30.82	ADR	35.5	-32.1	.2	34.42	-	-	-	-	-	-	129	118	H
6	13.599	25.59	ADR	39	-26	.2	38.79	-	-	-	-	-	-	72	291	V
	13.602	37.68	PK-U	39	-26	0	50.68	-	-	-	-	68.2	-17.52	72	291	V
3	13.741	25.35	ADR	39	-24.2	.2	40.35	-	-	-	-	-	-	49	334	H
	13.742	36.73	PK-U	39	-24.2	0	51.53	-	-	-	-	68.2	-16.67	49	334	H

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

PK-U - U-NII: Maximum Peak

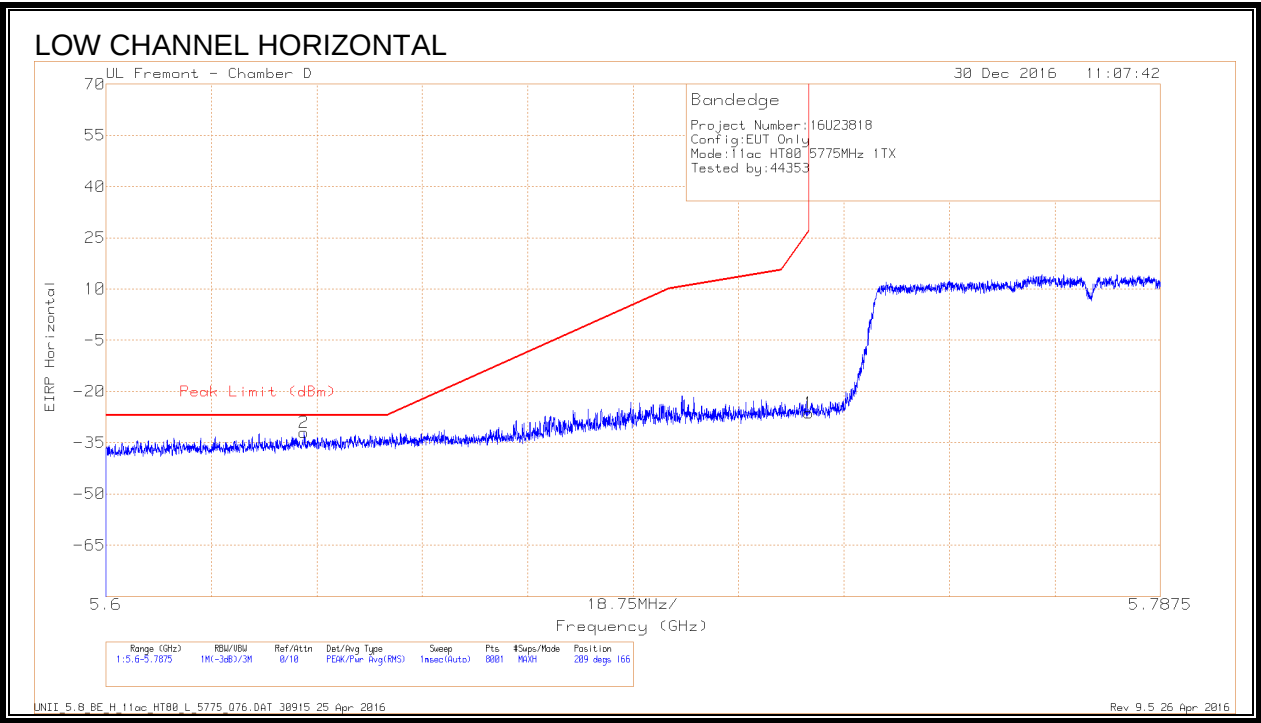
ADR - U-NII AD primary method, RMS average

FCC Part15C 5GHz UNII RSE.TST 30915 29 Dec 2015

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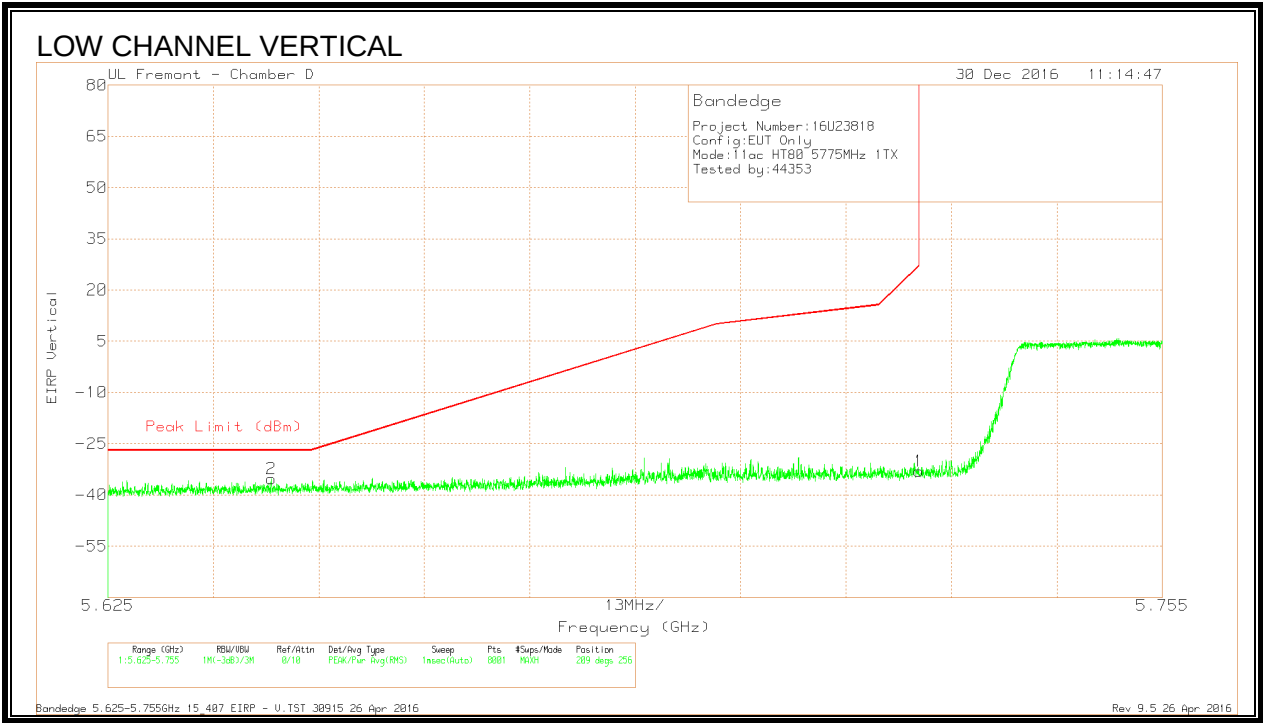
9.2.44. 11ac HT80 ANTENNA B SISO MODE IN THE 5.8GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



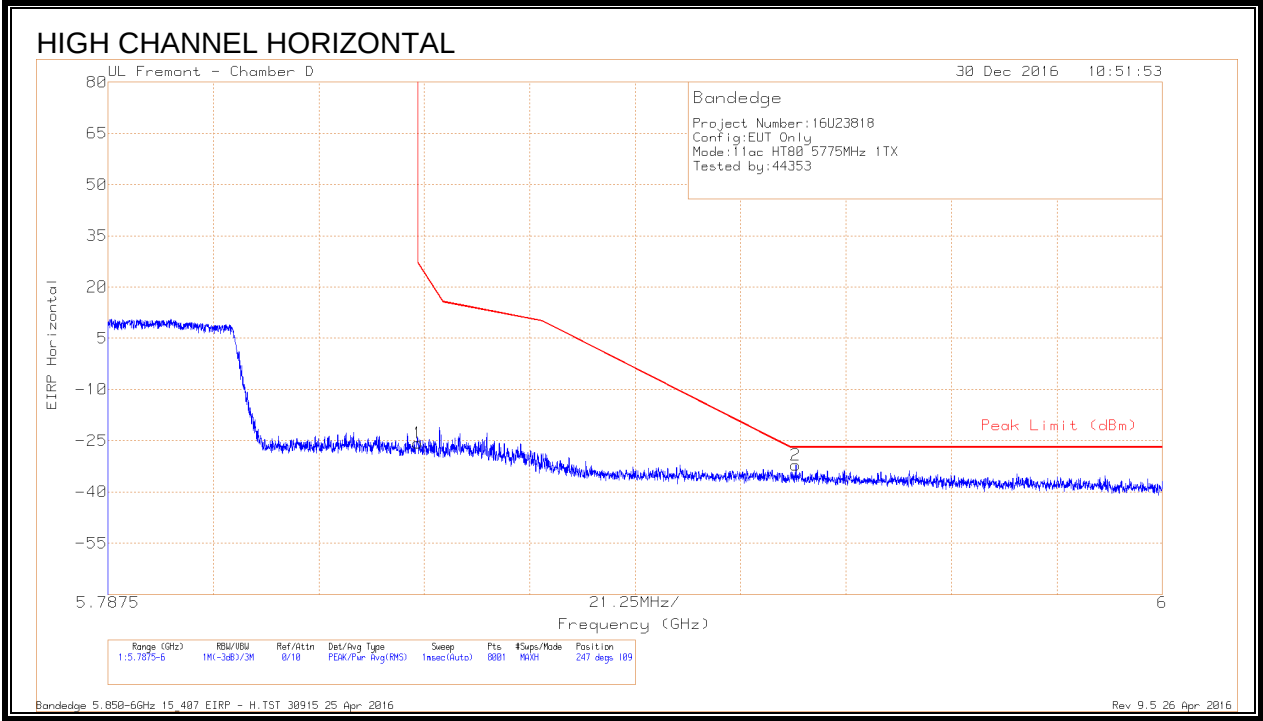
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T712 (dB/m)	Amp/Cbll Filt/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-55.38	Pk	34.8	-17.5	11.8	0	-26.28	26.99	-53.27	209	166	H
2	5.635	-60.84	Pk	34.6	-17.5	11.8	0	-31.94	-27	-4.94	209	166	H

Pk - Peak detector
UNII_5.8_BE_H_11ac_HT80_L_5775_Q76.DAT 30915 25 Apr 2016
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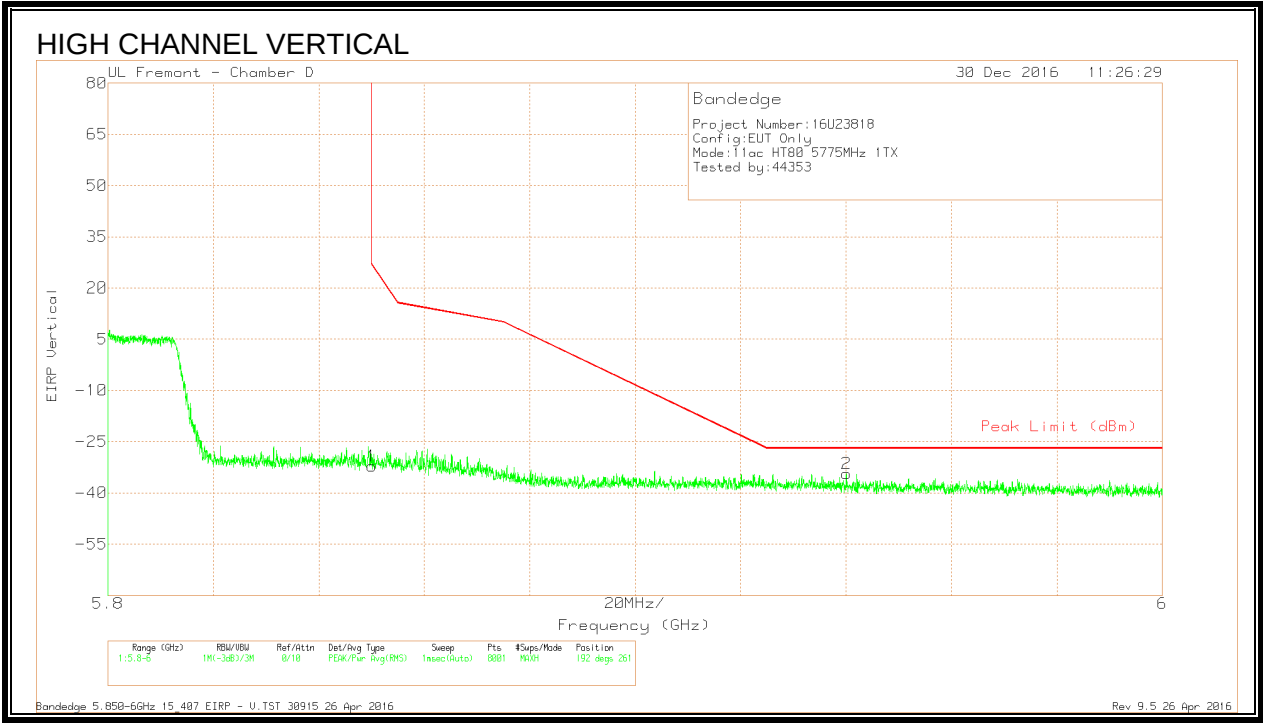
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T712 (dB/m)	Amp/CbI/ Fltr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-62.11	Pk	34.8	-17.5	11.8	0	-33.01	26.97	-59.98	209	256	V
2	5.645	-64.21	PK	34.6	-17.5	11.8	0	-35.31	-27	-8.31	209	256	V

Pk - Peak detector
Bandedge 5.625-5.755GHz 15_407 EIRP - V.TST 30915 26 Apr 2016
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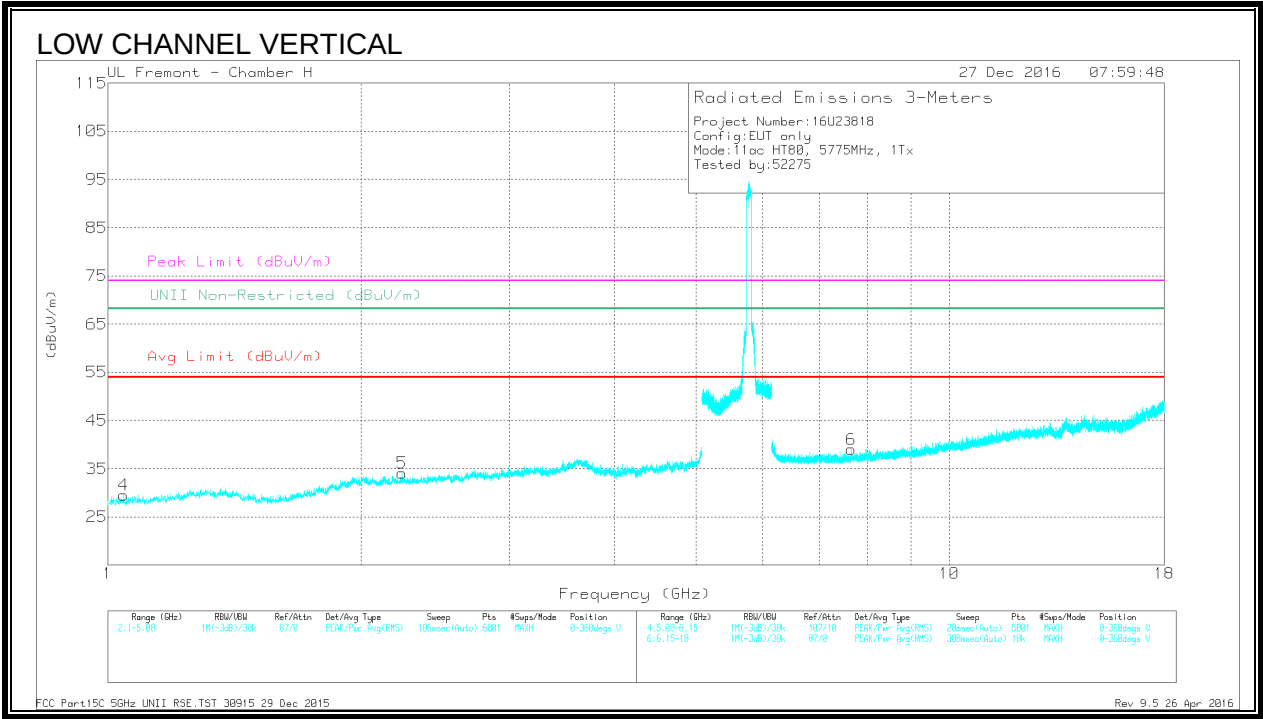
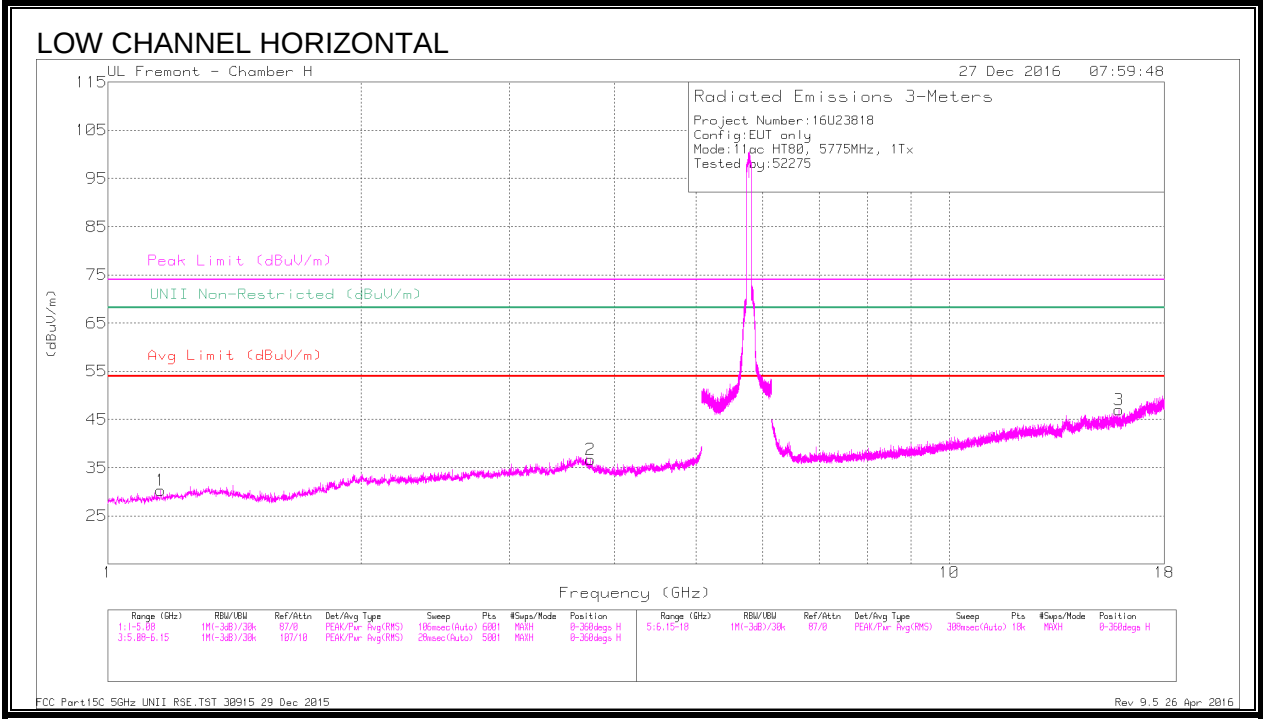
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T712 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-54.86	Pk	34.9	-17.5	11.8	0	-25.66	26.99	-52.65	247	109	H
2	5.926	-61.54	Pk	35	-17.4	11.8	0	-32.14	-27	-5.14	247	109	H

Pk - Peak detector
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Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T712 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-61.42	Pk	34.9	-17.5	11.8	0	-32.22	26.94	-59.16	192	261	V
2	5.94	-63.77	Pk	35	-17.4	11.8	0	-34.37	-27	-7.37	192	261	V

Pk - Peak detector
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DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Af T120 (dB/m)	Amp/CB/Filt/ 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	* 1.158	45.72	PK-U	28.3	-37.2		36.82	-	-	74	-37.18	-	-	219	387	H
	* 1.158	34.16	ADR	28.3	-37.2	.2	25.46	54	-28.54	-	-	-	-	219	387	H
2	* 3.75	43.76	PK-U	34.5	-35.7		42.56	-	-	74	-31.44	-	-	310	315	H
	* 3.748	32.93	ADR	34.5	-35.8	.2	31.83	54	-22.17	-	-	-	-	310	315	H
4	* 1.044	45.46	PK-U	27.7	-36.8		36.36	-	-	74	-37.64	-	-	6	155	V
	* 1.045	33.83	ADR	27.7	-36.8	.2	24.93	54	-29.07	-	-	-	-	6	155	V
5	* 2.236	46.78	PK-U	31.6	-38		40.38	-	-	74	-33.62	-	-	296	248	V
	* 2.237	35.47	ADR	31.6	-38	.2	29.27	54	-24.73	-	-	-	-	296	248	V
3	* 15.915	36.92	PK-U	40.3	-24.5		52.72	-	-	74	-21.28	-	-	333	320	H
	* 15.911	25.09	ADR	40.3	-24.5	.2	41.09	54	-12.91	-	-	-	-	333	320	H
6	* 7.643	39.97	PK-U	35.8	-30.8		44.97	-	-	74	-29.03	-	-	20	385	V
	* 7.644	28.61	ADR	35.8	-30.8	.2	33.81	54	-20.19	-	-	-	-	20	385	V

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

PK-U - U-NII: Maximum Peak

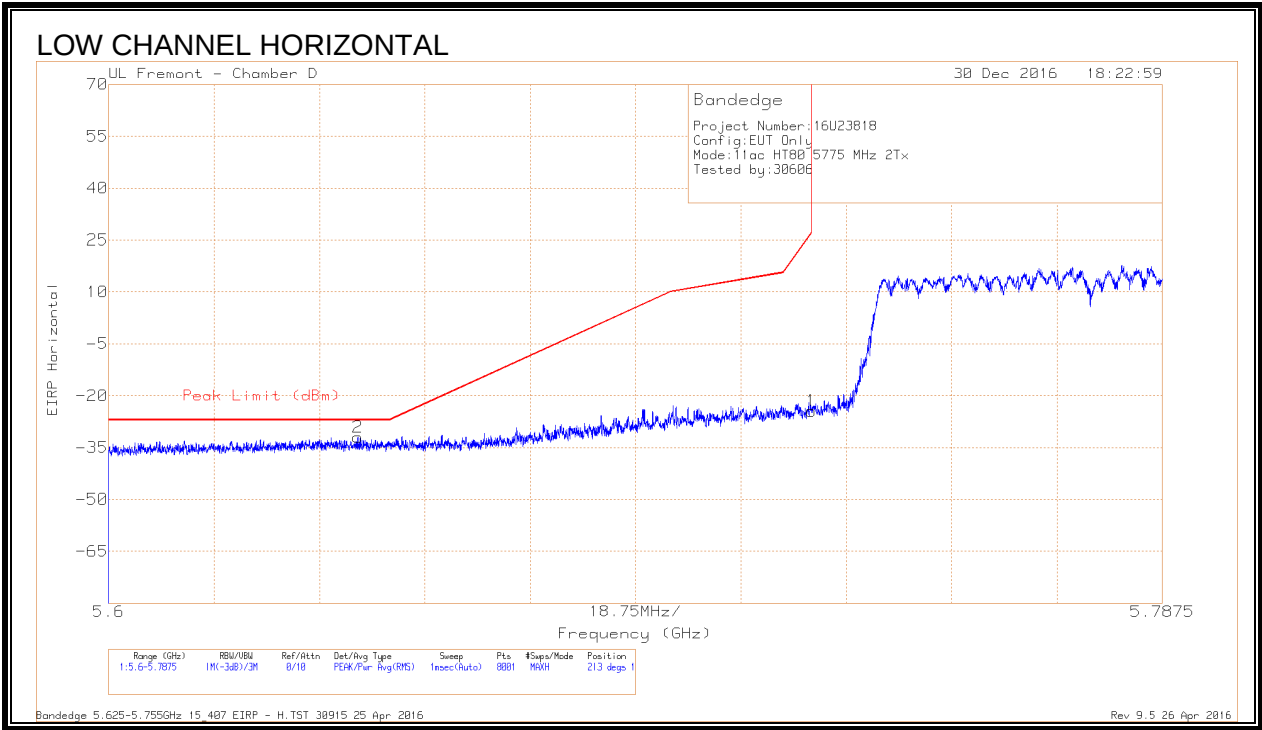
ADR - U-NII AD primary method, RMS average

FCC Part15C 5GHz UNII RSE.TST 30915 29 Dec 2015

Rev 9.5 26 Apr 2016

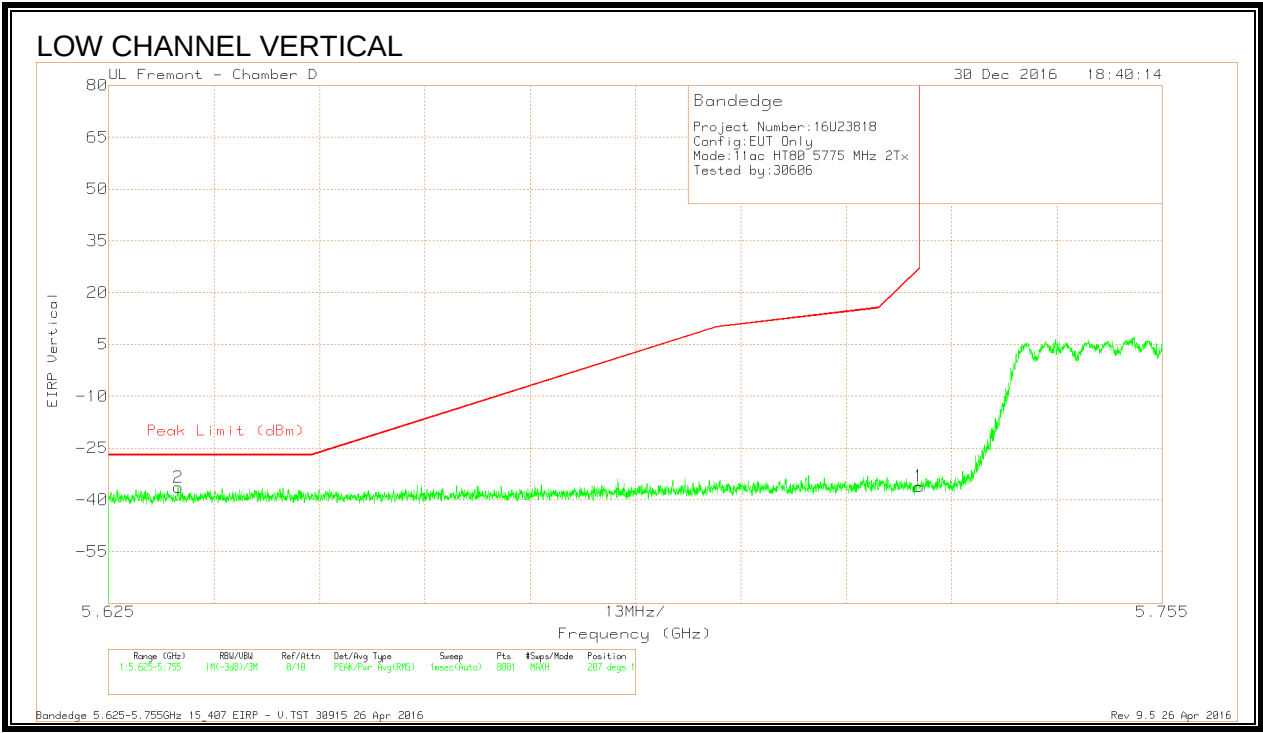
9.2.45. 11ac HT80 2TX CDD MIMO MODE IN THE 5.8GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T712 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-53.52	Pk	34.8	-17.5	11.8	0	-24.42	26.99	-51.41	213	154	H
2	5.644	-60.88	Pk	34.6	-17.5	11.8	0	-31.98	-27	-4.98	213	154	H

Pk - Peak detector
Bandedge 5.625-5.755GHz 15_407 EIRP - H.TST 30915 25 Apr 2016
Rev 9.5 26 Apr 2016

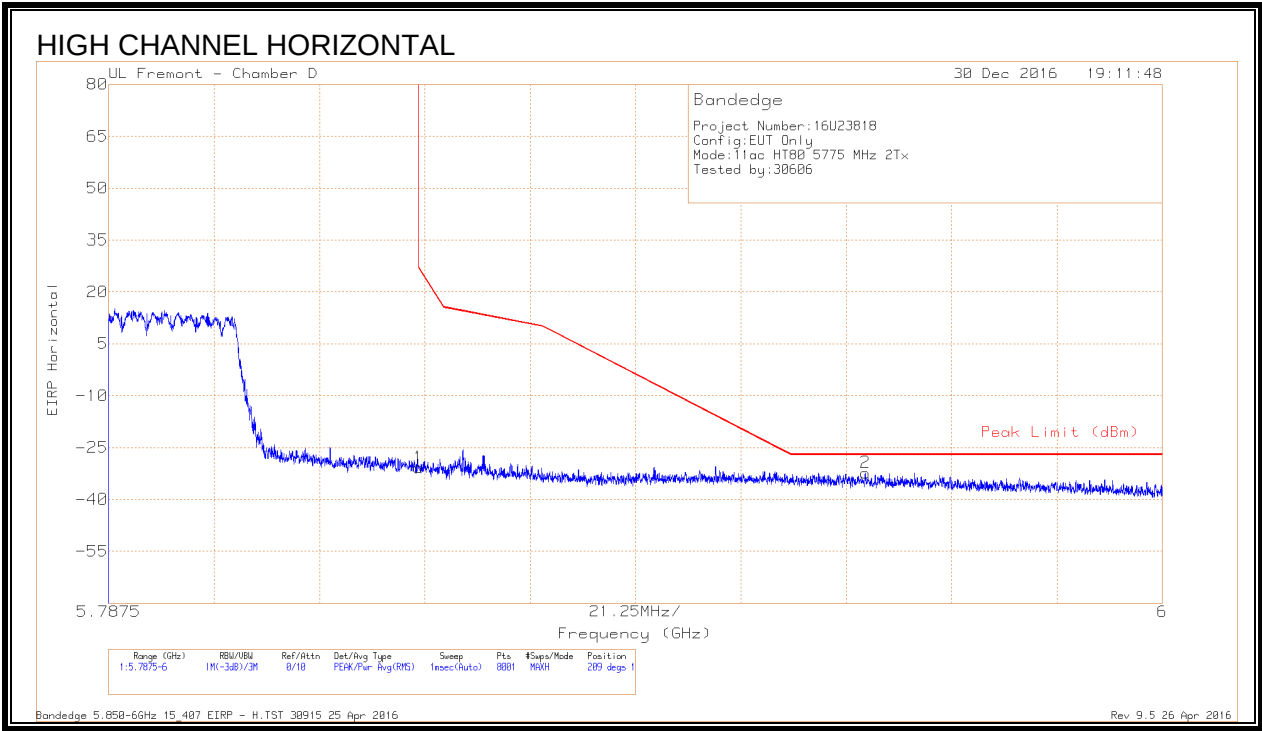


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T712 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-65.23	Pk	34.8	-17.5	11.8	0	-36.13	26.97	-63.1	207	104	V
2	5.634	-65.31	Pk	34.6	-17.5	11.8	0	-36.41	-27	-9.41	207	104	V

Pk - Peak detector

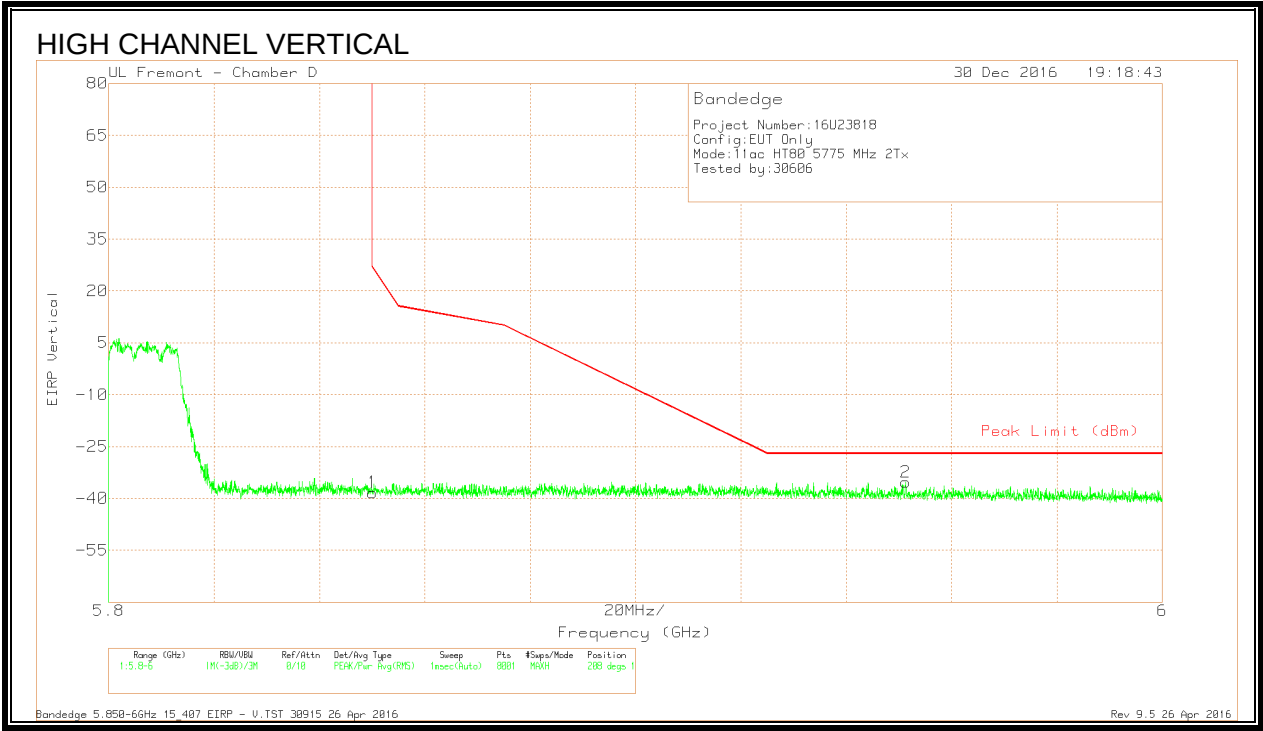
Bandedge 5.625-5.755GHz 15_407 EIRP - V.TST 30915 26 Apr 2016

Rev 9.5 26 Apr 2016



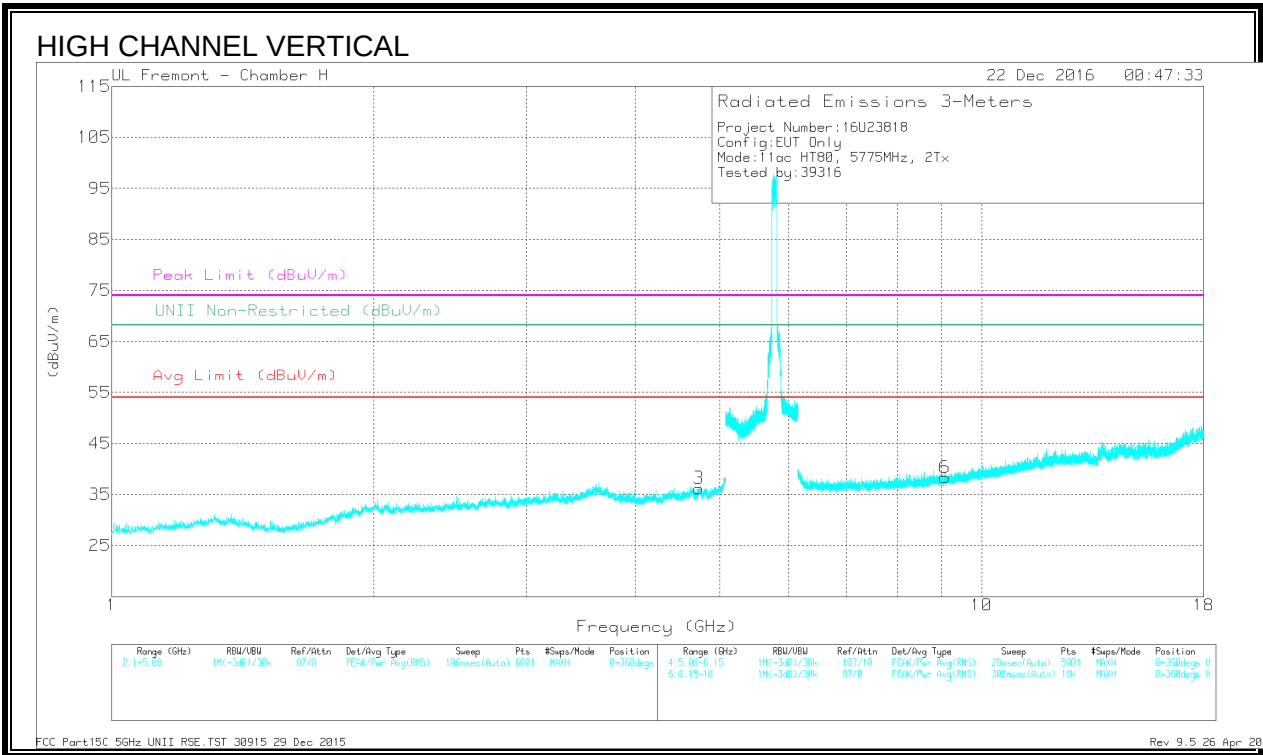
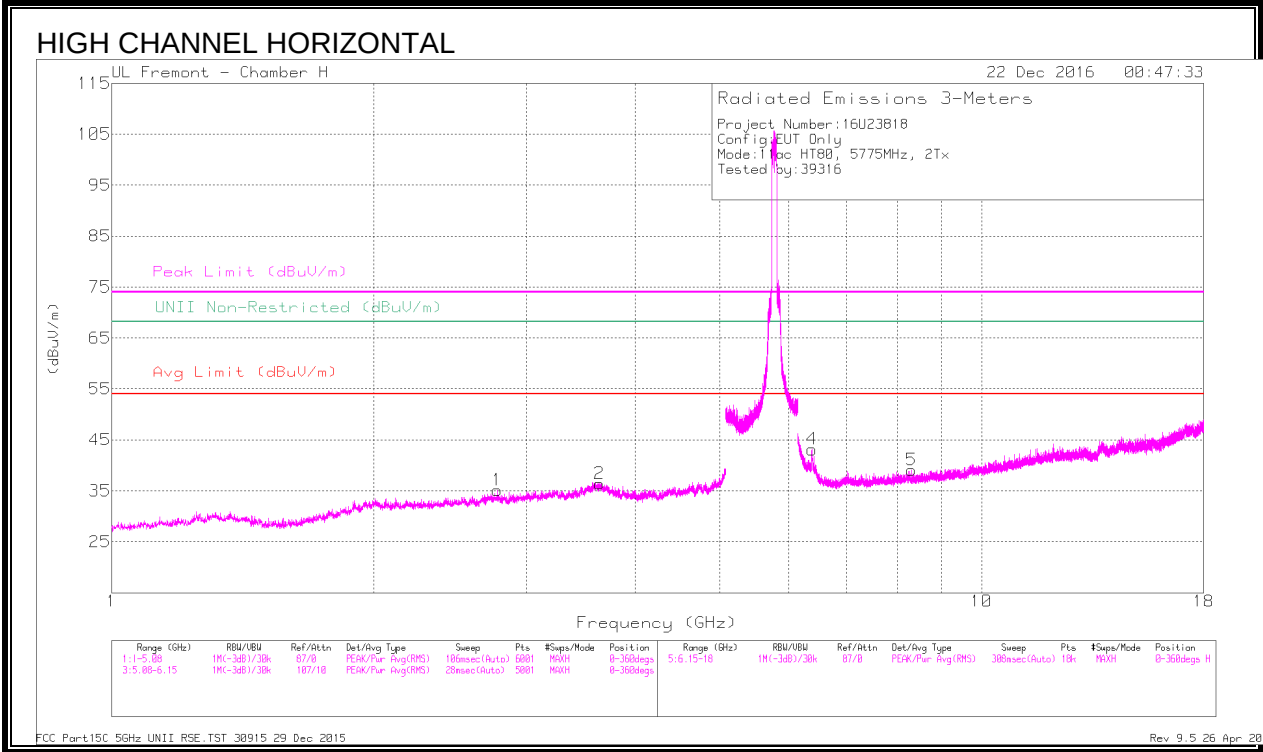
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T712 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-59.96	Pk	34.9	-17.5	11.8	0	-30.76	26.99	-57.75	209	109	H
2	5.94	-61.67	Pk	35	-17.4	11.8	0	-32.27	-27	-5.27	209	109	H

Pk - Peak detector
Bandedge 5.850-6GHz 15_407 EIRP - H.TST 30915 25 Apr 2016
Rev 9.5 26 Apr 2016



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T712 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-67.51	Pk	34.9	-17.5	11.8	0	-38.31	26.94	-65.25	208	175	V
2	5.951	-64.8	Pk	35	-17.3	11.8	0	-35.3	-27	-8.3	208	175	V

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

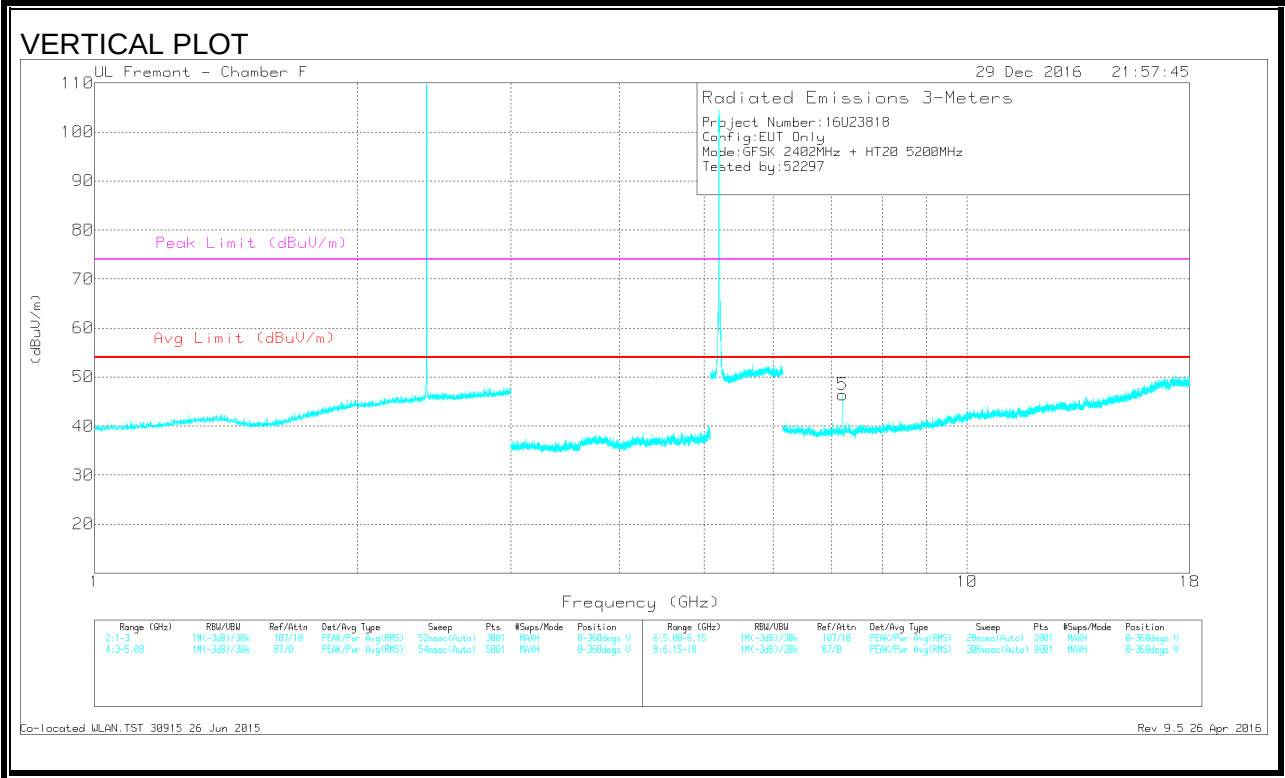
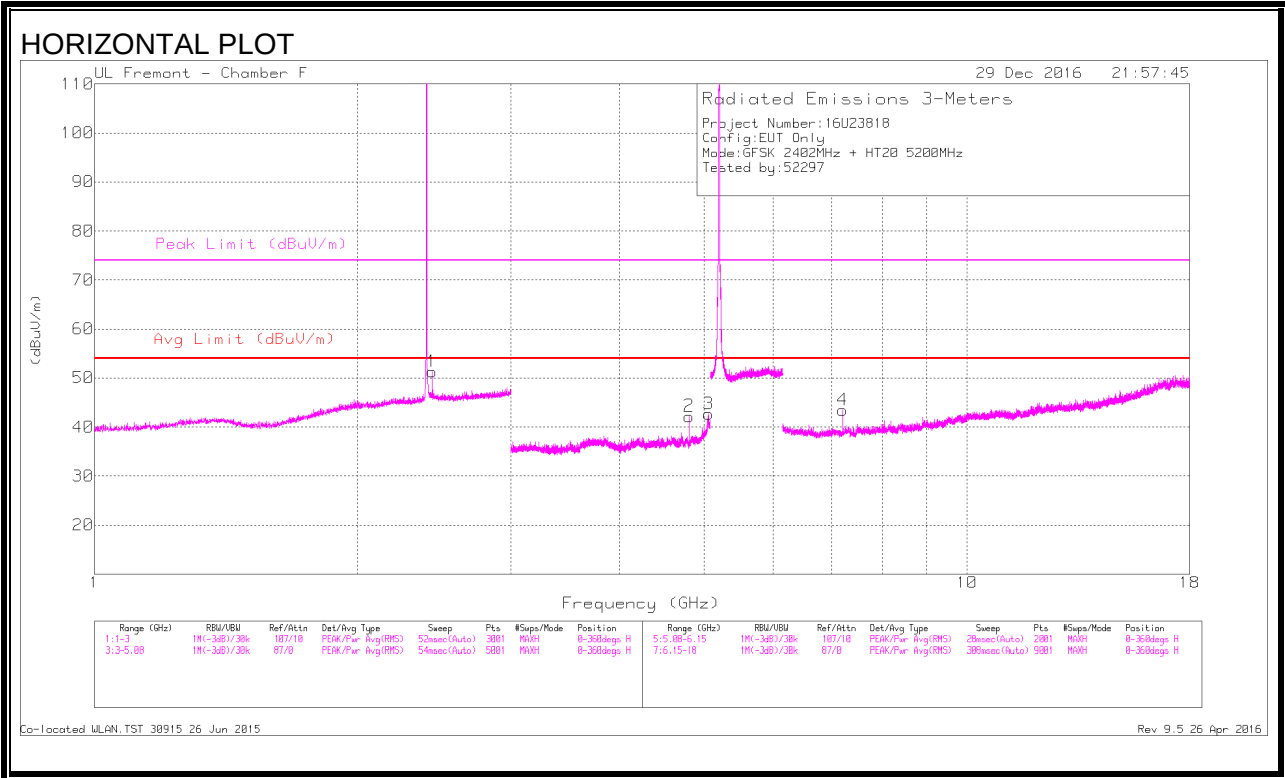


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.777	40.32	Pk	32.6	-37.8	0	35.12	-	-	74	-38.88	-	-	0-360	201	H
2	* 3.635	37.38	Pk	34.9	-35.9	0	36.38	-	-	74	-37.62	-	-	0-360	201	H
3	* 4.733	36.47	Pk	34	-34.3	0	36.17	-	-	74	-37.83	-	-	0-360	200	V
5	* 8.306	33.45	Pk	35.9	-30.3	0	39.05	-	-	74	-34.95	-	-	0-360	99	H
6	* 9.078	31.22	Pk	36.3	-29.2	0	38.32	-	-	74	-35.68	-	-	0-360	200	V
4	6.382	39.83	Pk	35.6	-32.3	0	43.13	-	-	-	-	68.2	-25.07	0-360	99	H

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

9.3. WORST-CASE CO-LOCATION

BLUETOOTH AND 802.11 HT20 2Tx CDD MODE IN THE 5.2GHz BAND



DATA

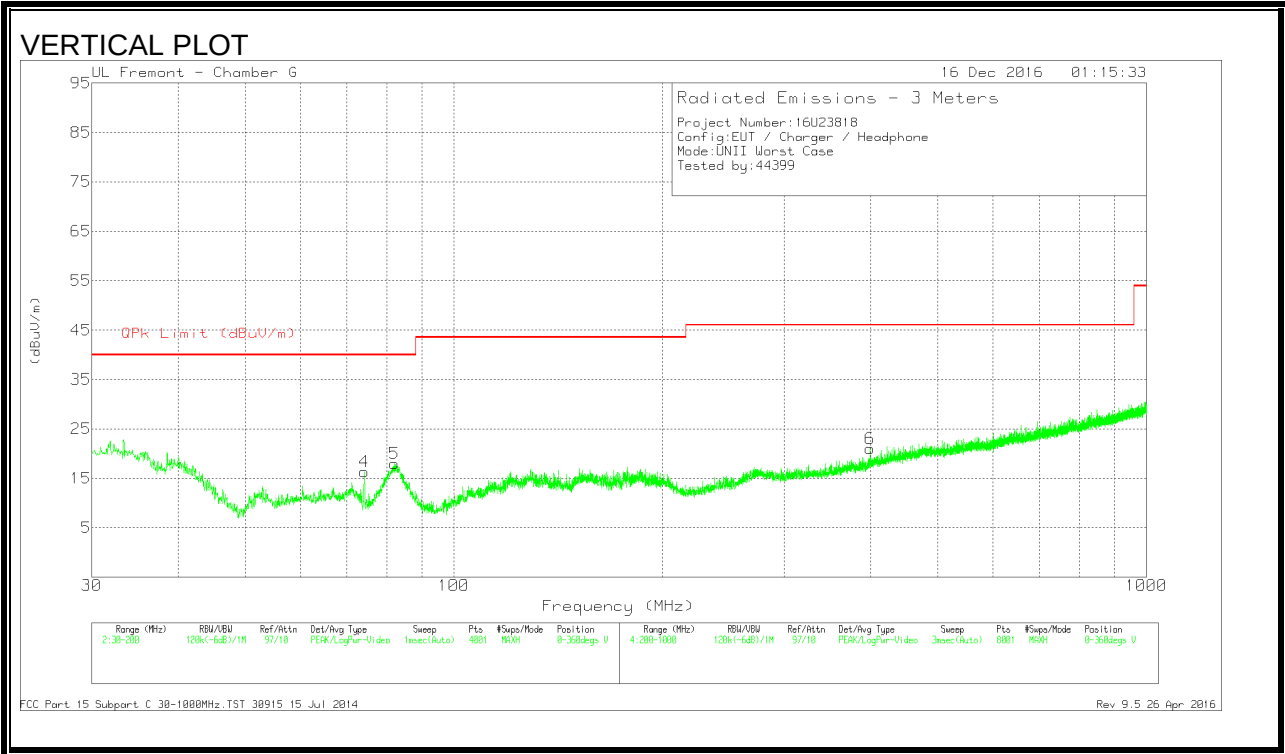
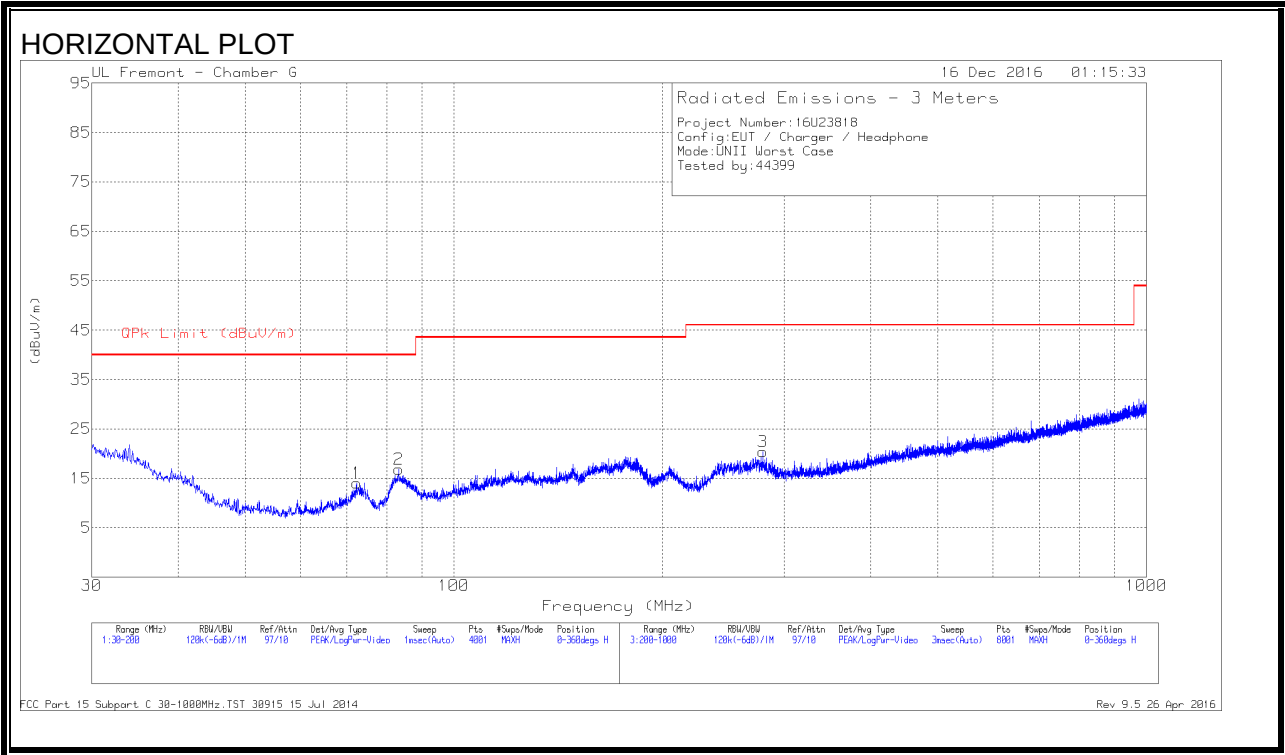
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.439	40.01	Pk	32.2	-20.9	51.31	53.97	-2.66	74	-22.69	0-360	201	H
2	* 4.804	35.8	Pk	34	-27.6	42.2	53.97	-11.77	74	-31.8	0-360	201	H
3	* 5.058	36.31	Pk	34.2	-27.9	42.61	53.97	-11.36	74	-31.39	0-360	148	H
4	7.206	34.13	Pk	35.6	-26.3	43.43	53.97	-10.54	74	-30.57	0-360	201	H
5	7.206	37.09	Pk	35.6	-26.3	46.39	53.97	-7.58	74	-27.61	0-360	201	V

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

Pk - Peak detector

9.4. WORST-CASE BELOW 1 GHz

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



DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T900 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 74.2425	35.06	Pk	12	-30.7	16.36	40	-23.64	0-360	100	V
3	* 279.45	32.1	Pk	17.3	-29	20.4	46.02	-25.62	0-360	100	H
1	72.3725	32.74	Pk	12.1	-30.8	14.04	40	-25.96	0-360	200	H
5	82.02	37.28	Pk	11.3	-30.6	17.98	40	-22.02	0-360	100	V
2	83.2525	36.2	Pk	11.2	-30.6	16.8	40	-23.2	0-360	400	H
6	399	29.8	Pk	19.5	-28.3	21	46.02	-25.02	0-360	200	V

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

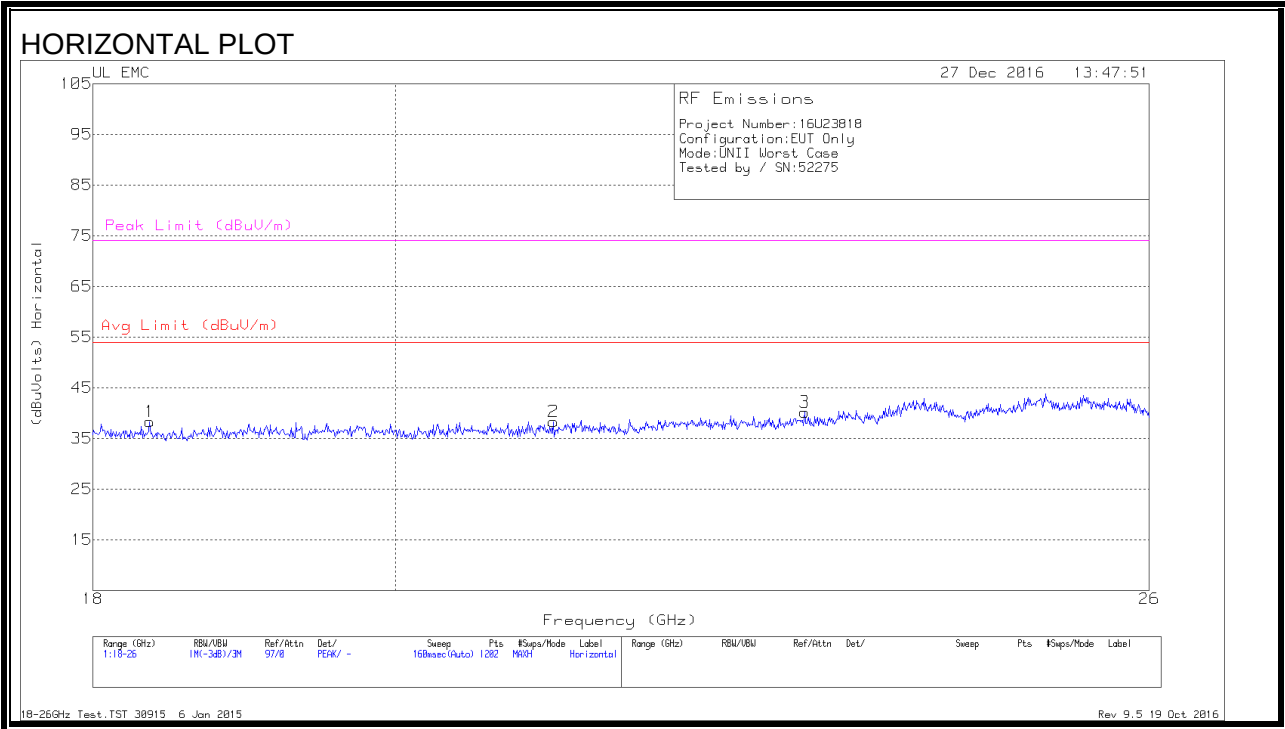
Pk - Peak detector

FCC Part 15 Subpart C 30-1000MHz.TST 30915 15 Jul 2014

Rev 9.5 26 Apr 2016

9.5. 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	AFT449 (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	18.36	40.53	Pk	32.4	-25.1	-9.5	38.33	54	-15.67	74	-35.67
2	21.131	40.33	Pk	33.1	-25.6	-9.5	38.33	54	-15.67	74	-35.67
3	23.062	41.37	Pk	33.5	-25.2	-9.5	40.17	54	-13.83	74	-33.83
4	18.506	40.93	Pk	32.6	-25.7	-9.5	38.33	54	-15.67	74	-35.67
5	20.604	40.43	Pk	32.9	-25.5	-9.5	38.33	54	-15.67	74	-35.67
6	25.707	42.93	Pk	34.3	-24.9	-9.5	42.83	54	-11.17	74	-31.17

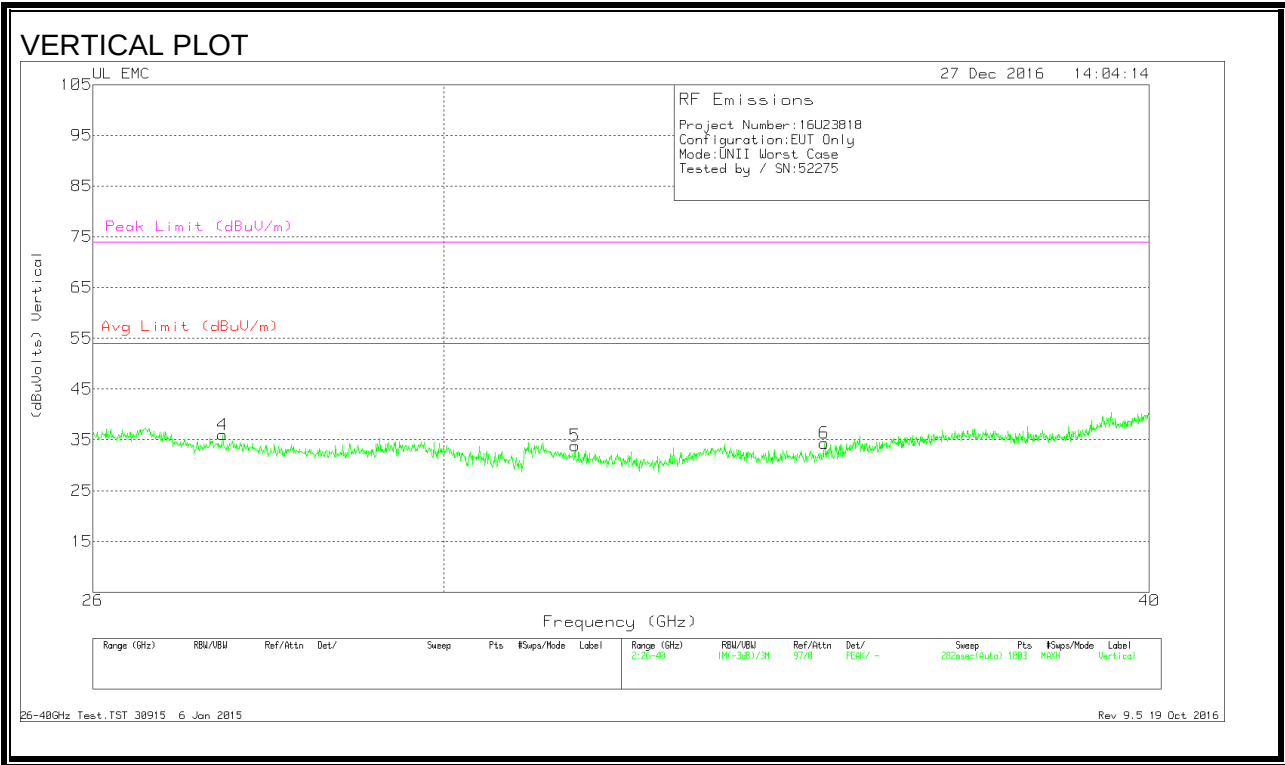
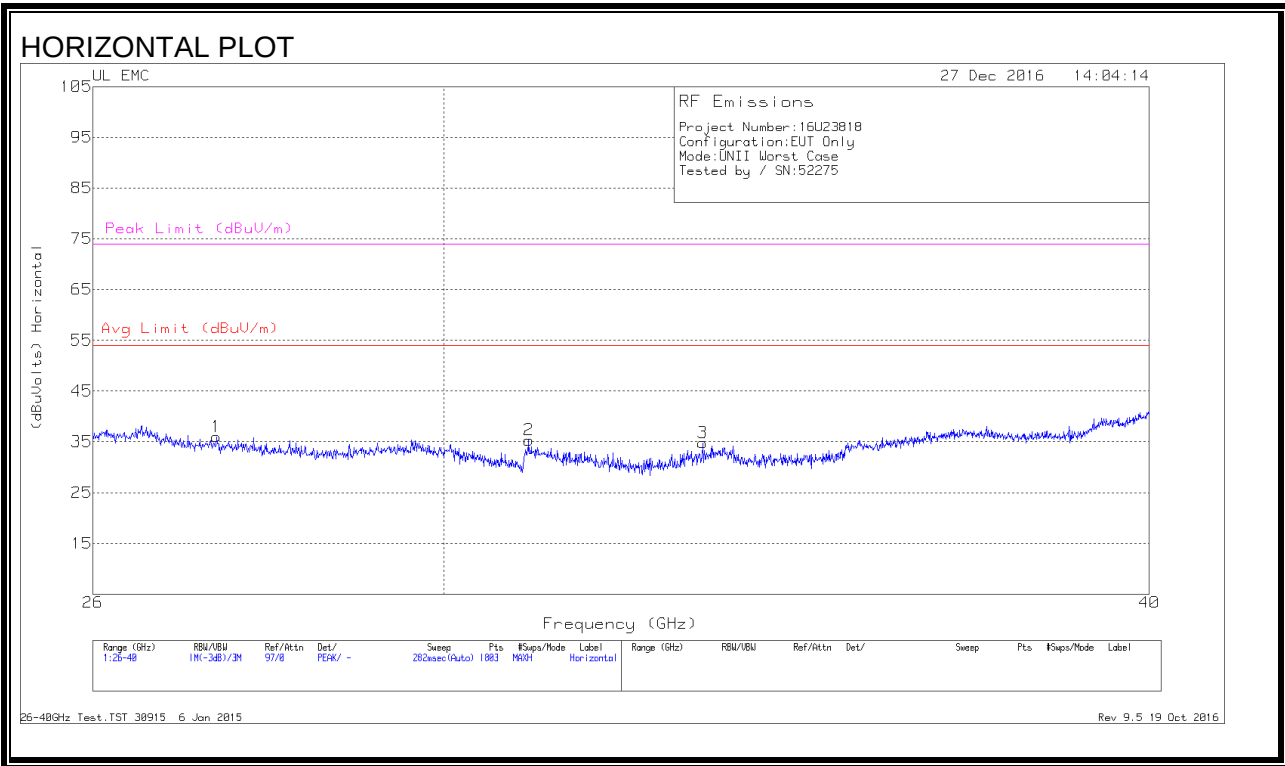
Pk - Peak detector

18-26GHz Test.TST 30915 6 Jan 2015

Rev 9.5 19 Oct 2016

9.6. WORST-CASE 26 to 40 GHz

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



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	T90 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Corrected Reading (dBuVolts)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)
1	27.344	41.7	Pk	35.6	-31.8	-9.5	36	54	-18	74	-38
2	31.058	42.23	Pk	35.9	-33.3	-9.5	35.33	54	-18.67	74	-38.67
3	33.342	40.83	Pk	37	-33.5	-9.5	34.83	54	-19.17	74	-39.17
4	27.414	41.6	Pk	35.7	-31.8	-9.5	36	54	-18	74	-38
5	31.648	40.43	Pk	36.3	-33.4	-9.5	33.83	54	-20.17	74	-40.17
6	35.036	40.53	Pk	37.3	-34	-9.5	34.33	54	-19.67	74	-39.67

Pk - Peak detector

26-40GHz Test.TST 30915 6 Jan 2015

Rev 9.5 19 Oct 2016

10. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

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

*Decreases with the logarithm of the frequency.

TEST PROCEDURE

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

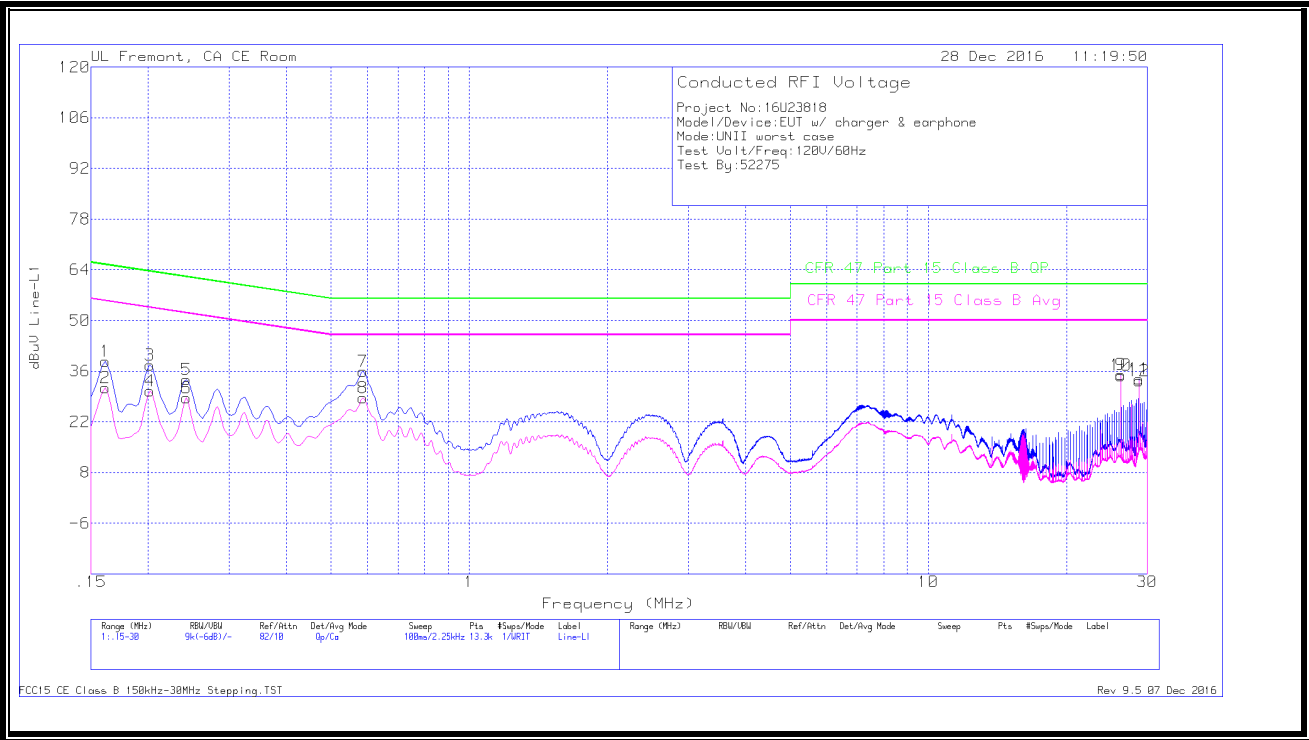
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

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

LINE 1 RESULTS

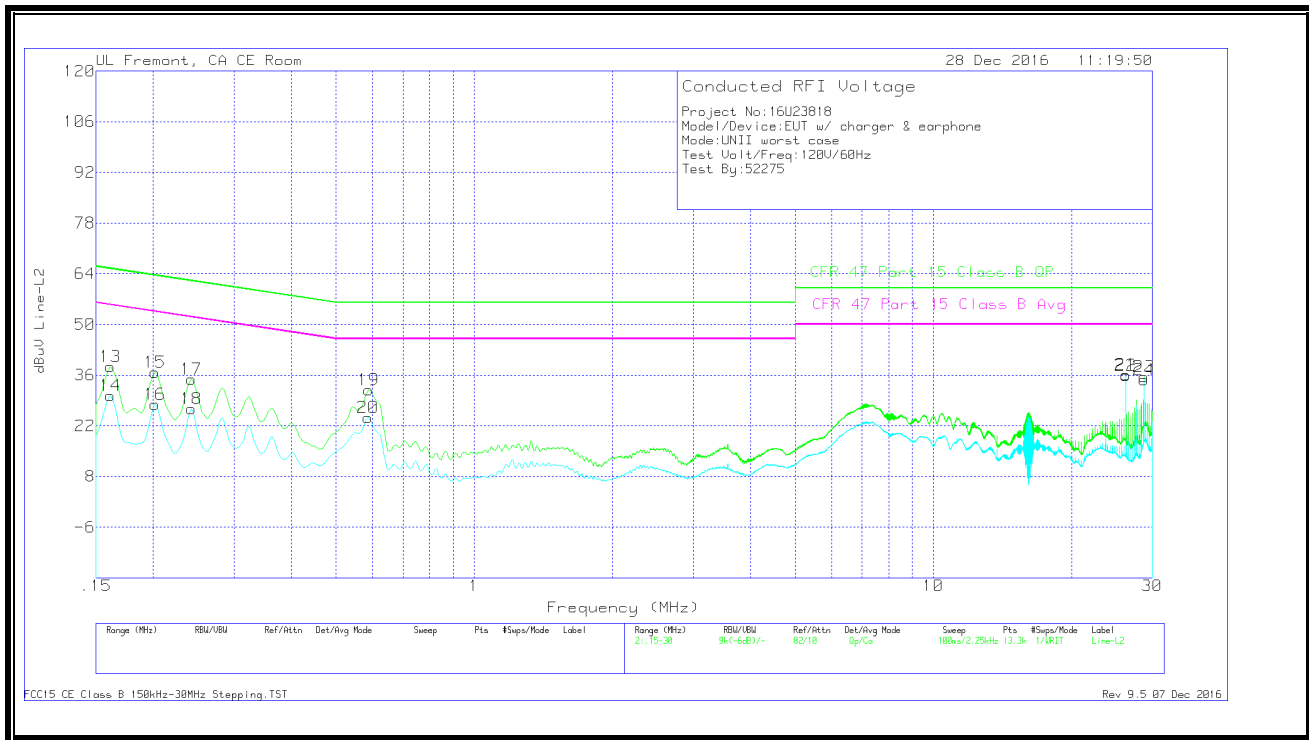


WORST EMISSIONS

Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L1	LC Cables 1&3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
1	.16125	28.64	Qp	0	0	10.1	38.74	65.4	-26.66	-	-
2	.16125	21.33	Ca	0	0	10.1	31.43	-	-	55.4	-23.97
3	.20175	27.57	Qp	0	0	10.1	37.67	63.54	-25.87	-	-
4	.20175	20.4	Ca	0	0	10.1	30.5	-	-	53.54	-23.04
5	.24225	23.63	Qp	0	0	10.1	33.73	62.02	-28.29	-	-
6	.24225	18.45	Ca	0	0	10.1	28.55	-	-	52.02	-23.47
7	.5865	25.84	Qp	0	0	10.1	35.94	56	-20.06	-	-
8	.5865	18.48	Ca	0	0	10.1	28.58	-	-	46	-17.42
9	26.25	24.1	Qp	.1	.3	10.5	35	60	-25	-	-
10	26.25	23.89	Ca	.1	.3	10.5	34.79	-	-	50	-15.21
11	28.74975	22.98	Qp	.1	.3	10.4	33.78	60	-26.22	-	-
12	28.74975	22.49	Ca	.1	.3	10.4	33.29	-	-	50	-16.71

Qp - Quasi-Peak detector
Ca - CISPR average detection

LINE 2 RESULTS



WORST EMISSIONS

Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L2	LC Cables 2&3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)M argin (dB)
13	.16125	28.26	Qp	0	0	10.1	38.36	65.4	-27.04	-	-
14	.16125	20.31	Ca	0	0	10.1	30.41	-	-	55.4	-24.99
15	.20175	26.71	Qp	0	0	10.1	36.81	63.54	-26.73	-	-
16	.20175	17.89	Ca	0	0	10.1	27.99	-	-	53.54	-25.55
17	.24225	24.7	Qp	0	0	10.1	34.8	62.02	-27.22	-	-
18	.24225	16.68	Ca	0	0	10.1	26.78	-	-	52.02	-25.24
19	.58875	21.81	Qp	0	0	10.1	31.91	56	-24.09	-	-
20	.5865	14.12	Ca	0	0	10.1	24.22	-	-	46	-21.78
21	26.25	25.24	Qp	.1	.3	10.5	36.14	60	-23.86	-	-
22	26.25	24.94	Ca	.1	.3	10.5	35.84	-	-	50	-14.16
23	28.74975	24.73	Qp	.1	.3	10.4	35.53	60	-24.47	-	-
24	28.74975	23.86	Ca	.1	.3	10.4	34.66	-	-	50	-15.34

Qp - Quasi-Peak detector

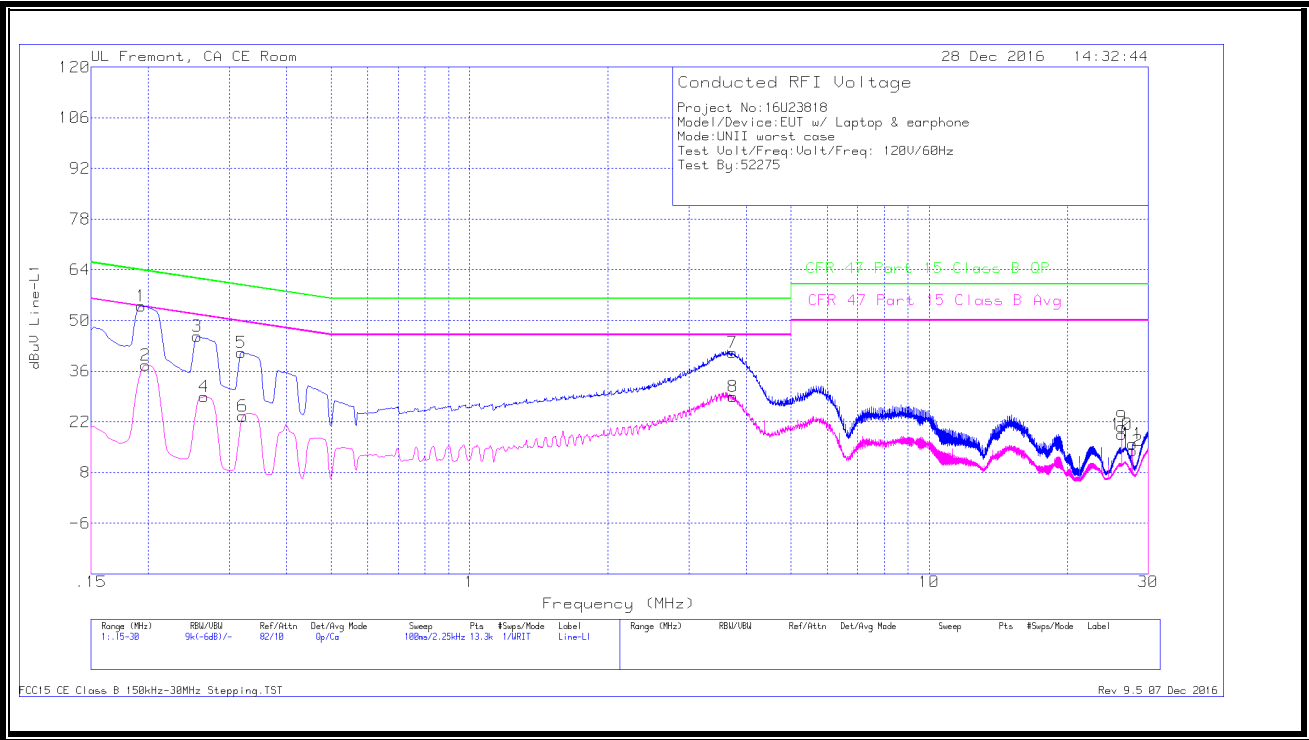
Ca - CISPR average detection

FCC15 CE Class B 150kHz-30MHz Stepping.TST

Rev 9.5 07 Dec 2016

10.2. EUT POWERED BY HOST PC VIA USB CABLE

LINE 1 RESULTS

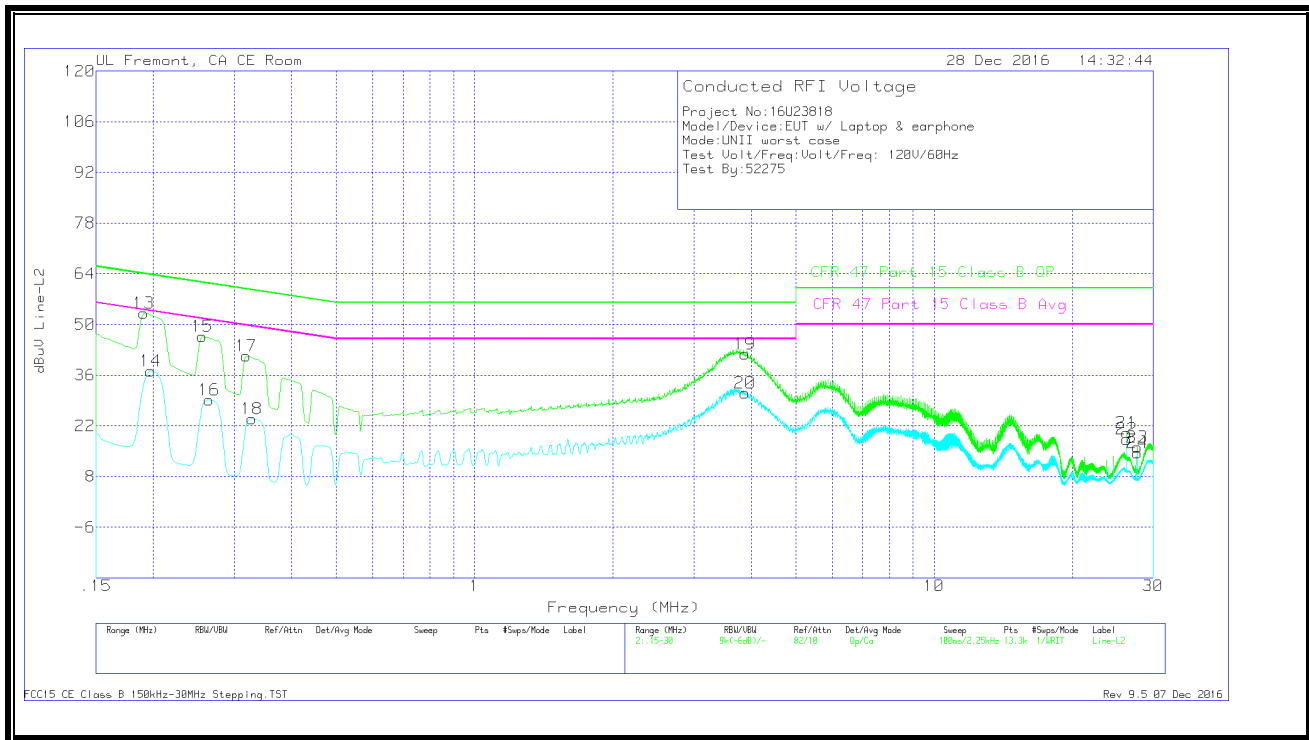


WORST EMISSIONS

Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L1	LC Cables 1&3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
1	.19275	43.85	Qp	0	0	10.1	53.95	63.92	-9.97	-	-
2	.19725	27.62	Ca	0	0	10.1	37.72	-	-	53.73	-16.01
3	.25575	35.51	Qp	0	0	10.1	45.61	61.57	-15.96	-	-
4	.26475	18.82	Ca	0	0	10.1	28.92	-	-	51.28	-22.36
5	.31875	31.06	Qp	0	0	10.1	41.16	59.74	-18.58	-	-
6	.321	13.47	Ca	0	0	10.1	23.57	-	-	49.68	-26.11
7	3.732	30.9	Qp	0	.1	10.1	41.1	56	-14.9	-	-
8	3.74325	18.73	Ca	0	.1	10.1	28.93	-	-	46	-17.07
9	26.25	9.66	Qp	.1	.3	10.5	20.56	60	-39.44	-	-
10	26.25	7.6	Ca	.1	.3	10.5	18.5	-	-	50	-31.5
11	27.69225	5.04	Qp	.1	.3	10.5	15.94	60	-44.06	-	-
12	27.69225	3.1	Ca	.1	.3	10.5	14	-	-	50	-36

Qp - Quasi-Peak detector
Ca - CISPR average detection

LINE 2 RESULTS



WORST EMISSIONS

Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L2	LC Cables 2&3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
13	.1905	43.07	Qp	0	0	10.1	53.17	64.01	-10.84	-	-
14	.19725	27	Ca	0	0	10.1	37.1	-	-	53.73	-16.63
15	.25575	36.55	Qp	0	0	10.1	46.65	61.57	-14.92	-	-
16	.26475	19.01	Ca	0	0	10.1	29.11	-	-	51.28	-22.17
17	.31875	31.25	Qp	0	0	10.1	41.35	59.74	-18.39	-	-
18	.32775	13.8	Ca	0	0	10.1	23.9	-	-	49.51	-25.61
19	3.87825	31.59	Qp	0	.1	10.1	41.79	56	-14.21	-	-
20	3.8805	20.92	Ca	0	.1	10.1	31.12	-	-	46	-14.88
21	26.25	9.13	Qp	.1	.3	10.5	20.03	60	-39.97	-	-
22	26.25	7.38	Ca	.1	.3	10.5	18.28	-	-	50	-31.72
23	27.69225	5.22	Qp	.1	.3	10.5	16.12	60	-43.88	-	-
24	27.69225	3.57	Ca	.1	.3	10.5	14.47	-	-	50	-35.53

Qp - Quasi-Peak detector

Ca - CISPR average detection

FCC15 CE Class B 150kHz-30MHz Stepping.TST

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11. DYNAMIC FREQUENCY SELECTION

11.1. OVERVIEW

11.1.1. LIMITS

INDUSTRY CANADA

IC RSS-247 is closely harmonized with FCC Part 15 DFS rules. The deviations are as follows:

RSS-247 Issue 1

Note: For the band 5600–5650 MHz, no operation is permitted.

Until further notice, devices subject to this annex shall not be capable of transmitting in the band 5600–5650 MHz. This restriction is for the protection of Environment Canada weather radars operating in this band.

FCC

§15.407 (h), FCC KDB 905462 D02 “COMPLIANCE MEASUREMENT PROCEDURES FOR UNLICENSED-NATIONAL INFORMATION INFRASTRUCTURE DEVICES OPERATING IN THE 5250-5350 MHz AND 5470-5725 MHz BANDS INCORPORATING DYNAMIC FREQUENCY SELECTION” and KDB 905462 D03 “U-NII CLIENT DEVICES WITHOUT RADAR DETECTION CAPABILITY”.

Table 1: Applicability of DFS requirements prior to use of a channel

Requirement	Operational Mode		
	Master	Client (without radar detection)	Client (with radar detection)
Non-Occupancy Period	Yes	Not required	Yes
DFS Detection Threshold	Yes	Not required	Yes
Channel Availability Check Time	Yes	Not required	Not required
U-NII Detection Bandwidth	Yes	Not required	Yes

Table 2: Applicability of DFS requirements during normal operation

Requirement	Operational Mode		
	Master	Client (without DFS)	Client (with DFS)
DFS Detection Threshold	Yes	Not required	Yes
Channel Closing Transmission Time	Yes	Yes	Yes
Channel Move Time	Yes	Yes	Yes
U-NII Detection Bandwidth	Yes	Not required	Yes

Additional requirements for devices with multiple bandwidth modes	Master Device or Client with Radar DFS	Client (without DFS)
<i>U-NII Detection Bandwidth and Statistical Performance Check</i>	All BW modes must be tested	Not required
<i>Channel Move Time and Channel Closing Transmission Time</i>	Test using widest BW mode available	Test using the widest BW mode available for the link
<i>All other tests</i>	Any single BW mode	Not required

Note: Frequencies selected for statistical performance check (Section 7.8.4) should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in all 20 MHz channel blocks and a null frequency between the bonded 20 MHz channel blocks.