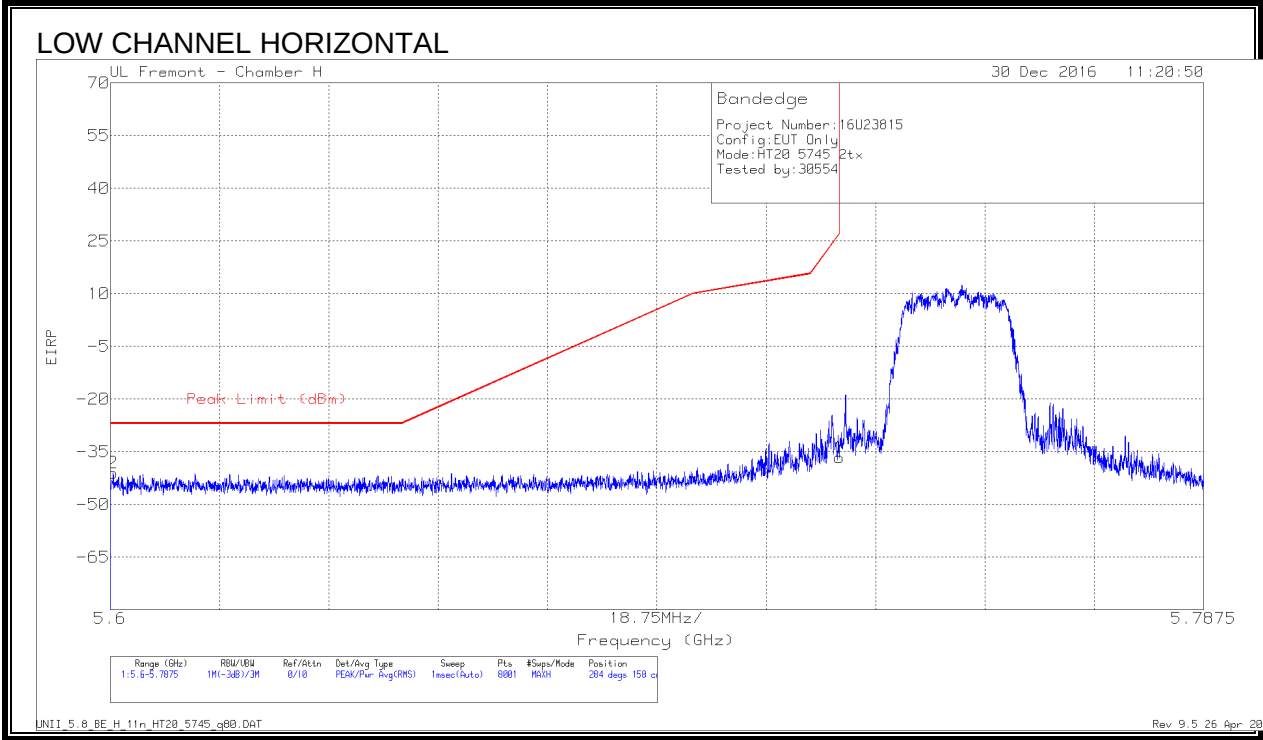


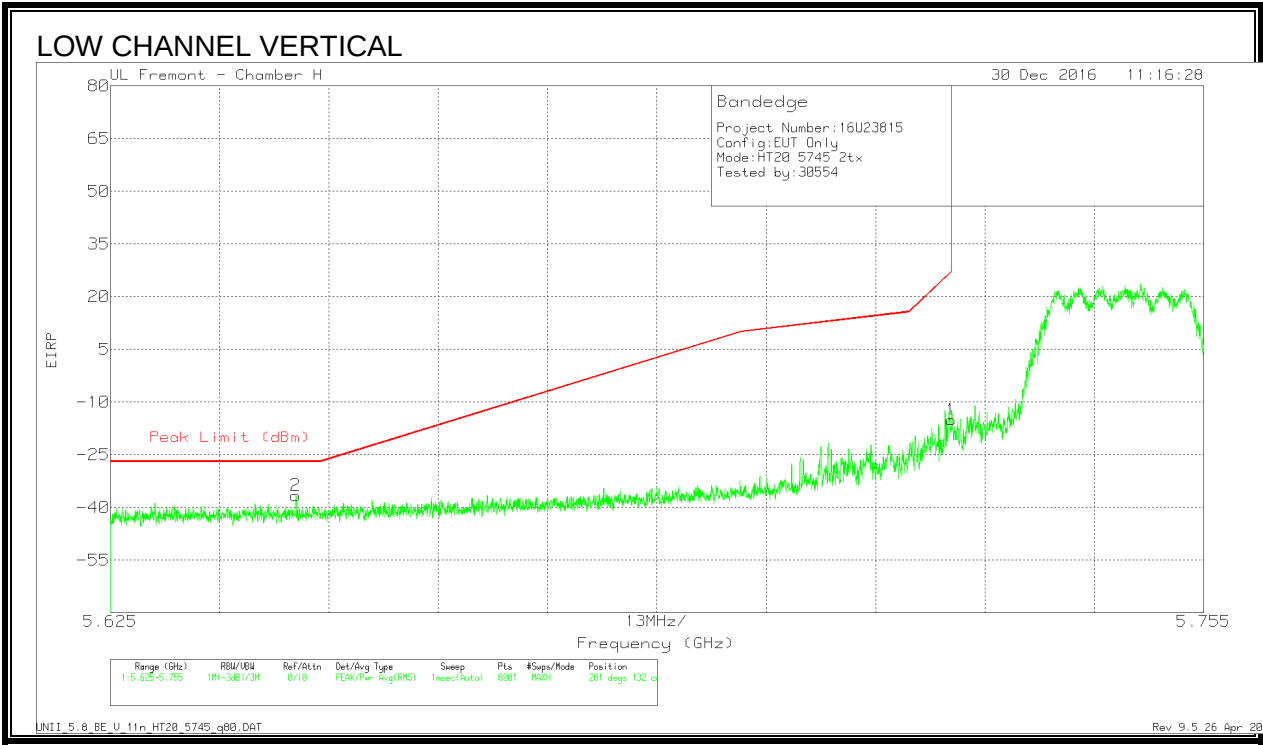
9.2.39. 11n HT20 2TX CDD MIMO MODE IN THE 5.8GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T120 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.601	-63.65	Pk	34.6	-23.9	11.8	-41.15	-27	-14.15	284	158	H
1	5.725	-59.18	Pk	34.9	-24.1	11.8	-36.58	26.99	-63.57	284	158	H

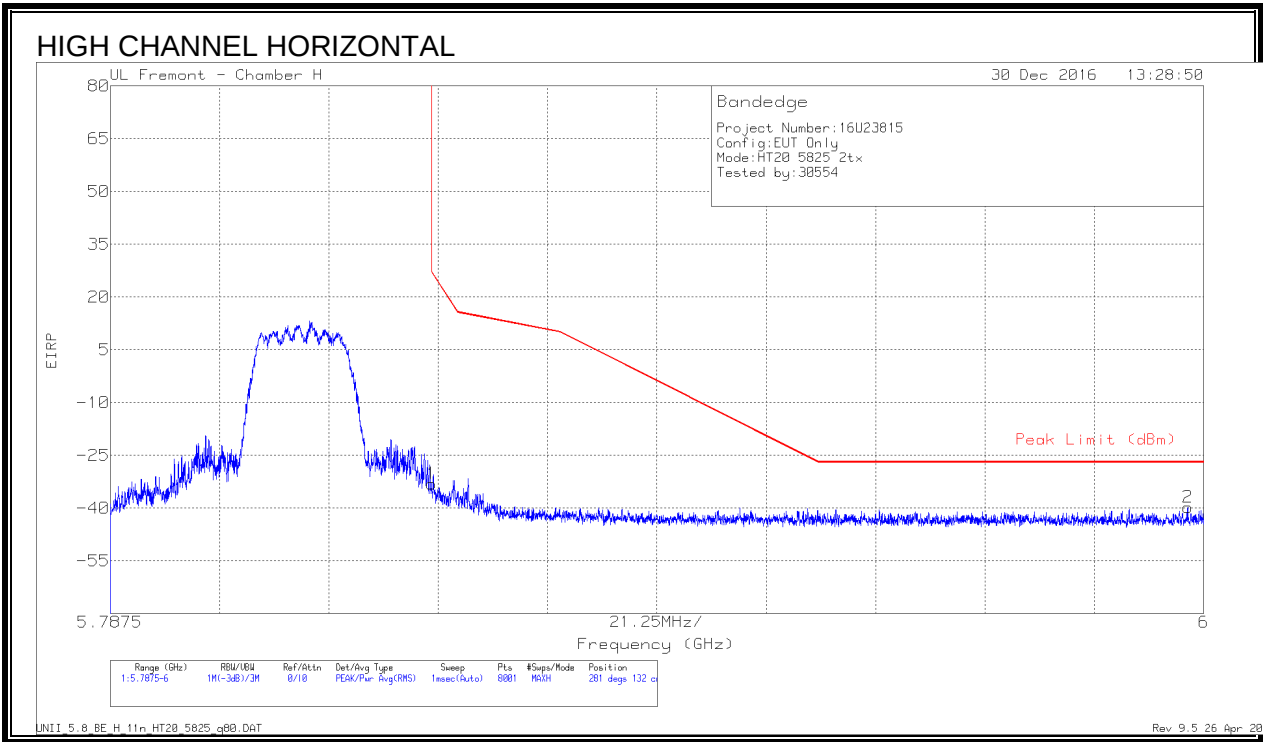
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T120 (dB/m)	Amp/Cbl/Ftr r/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.647	-58.97	Pk	34.7	-24.2	11.8	-36.67	-27	-9.67	281	132	V
1	5.725	-37.66	Pk	34.9	-24.1	11.8	-15.06	26.97	-42.03	281	132	V

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

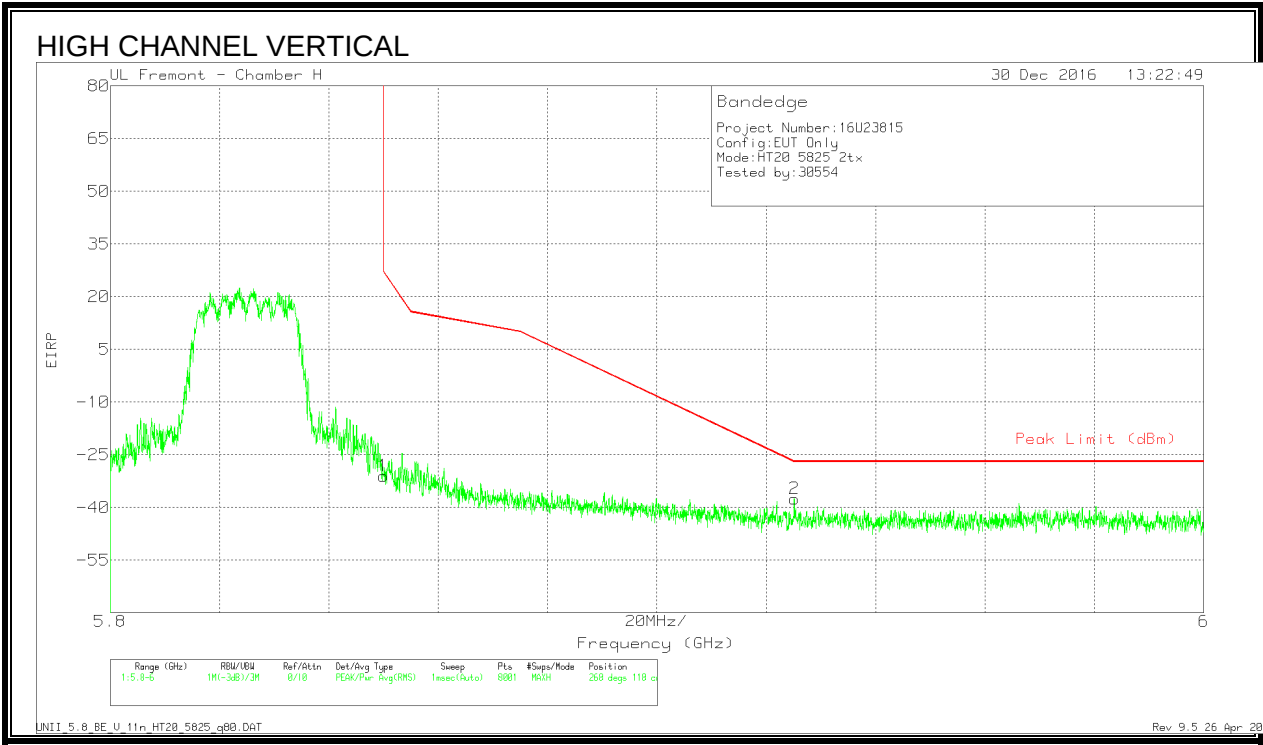
AUTHORIZED BANDEDGE (HIGH CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T120 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-56.04	Pk	35	-23.9	11.8	-33.14	26.99	-60.13	281	132	H
2	5.997	-63.43	Pk	35.4	-23.5	11.8	-39.73	-27	-12.73	281	132	H

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

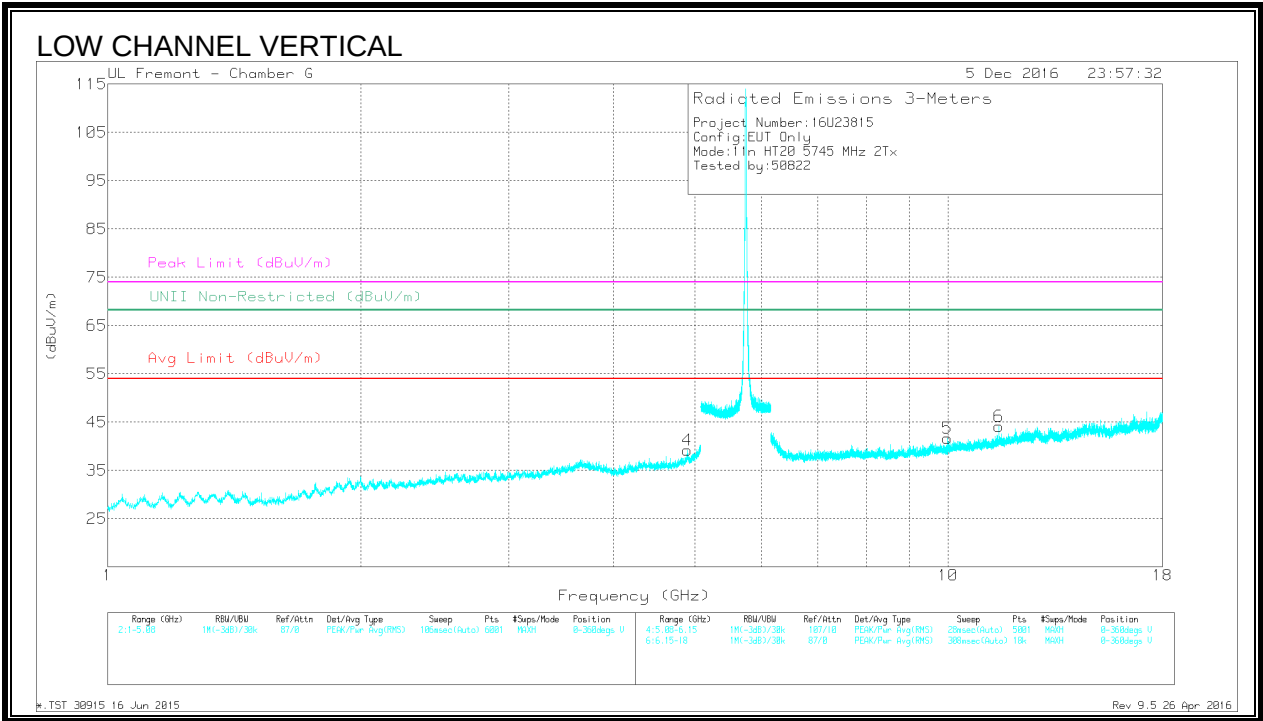
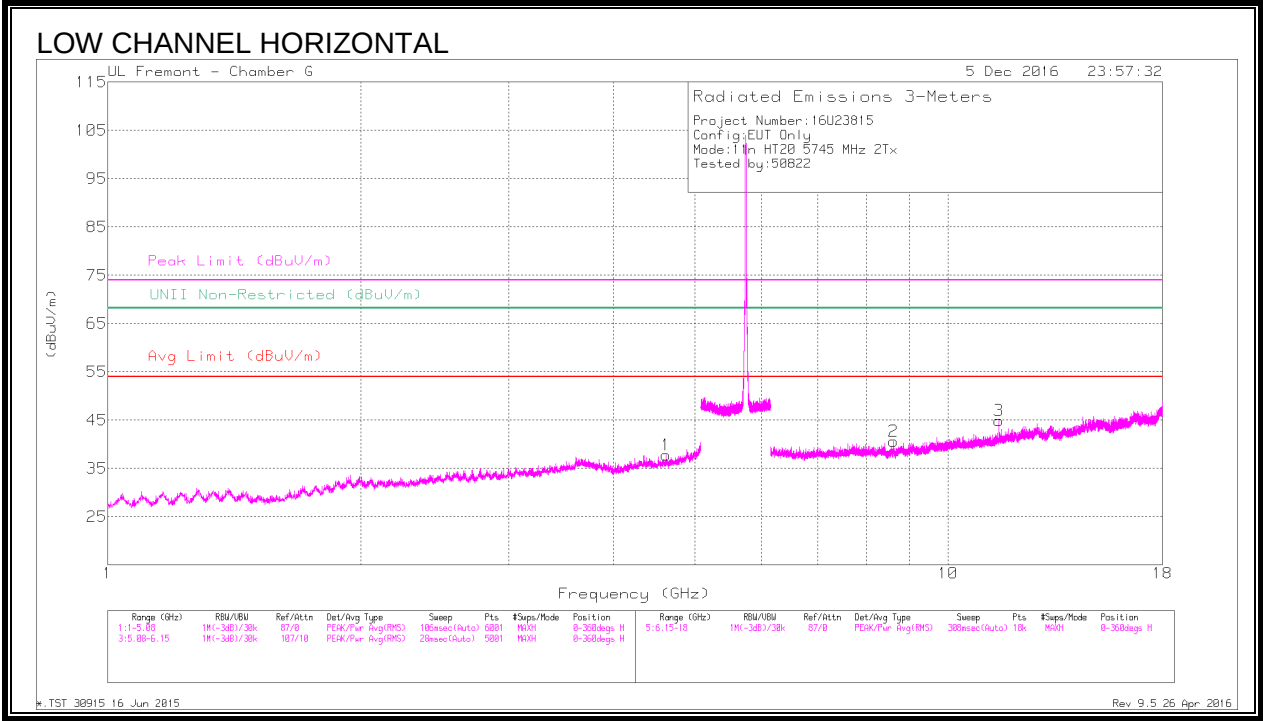
Pk - Peak detector



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AFT120 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-53.89	Pk	35	-23.9	11.8	-30.99	26.94	-57.93	268	118	V
2	5.925	-60.86	Pk	35.2	-23.7	11.8	-37.56	-27	-10.56	268	118	V

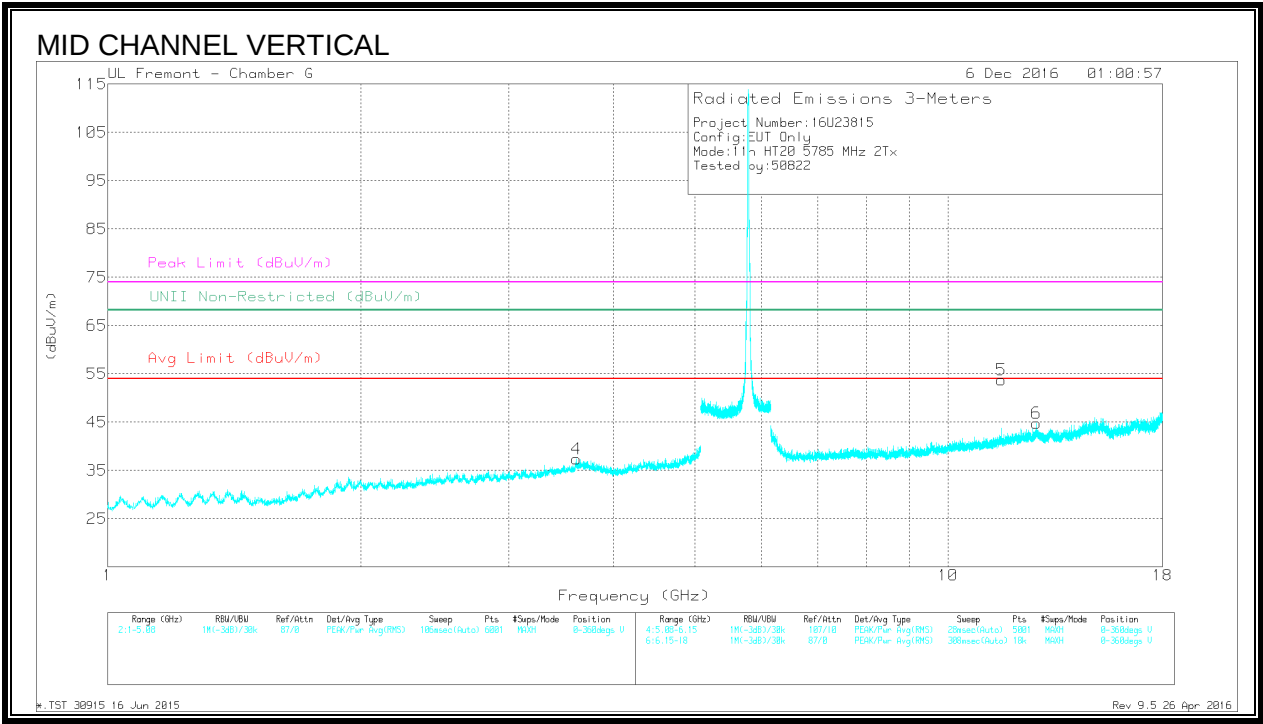
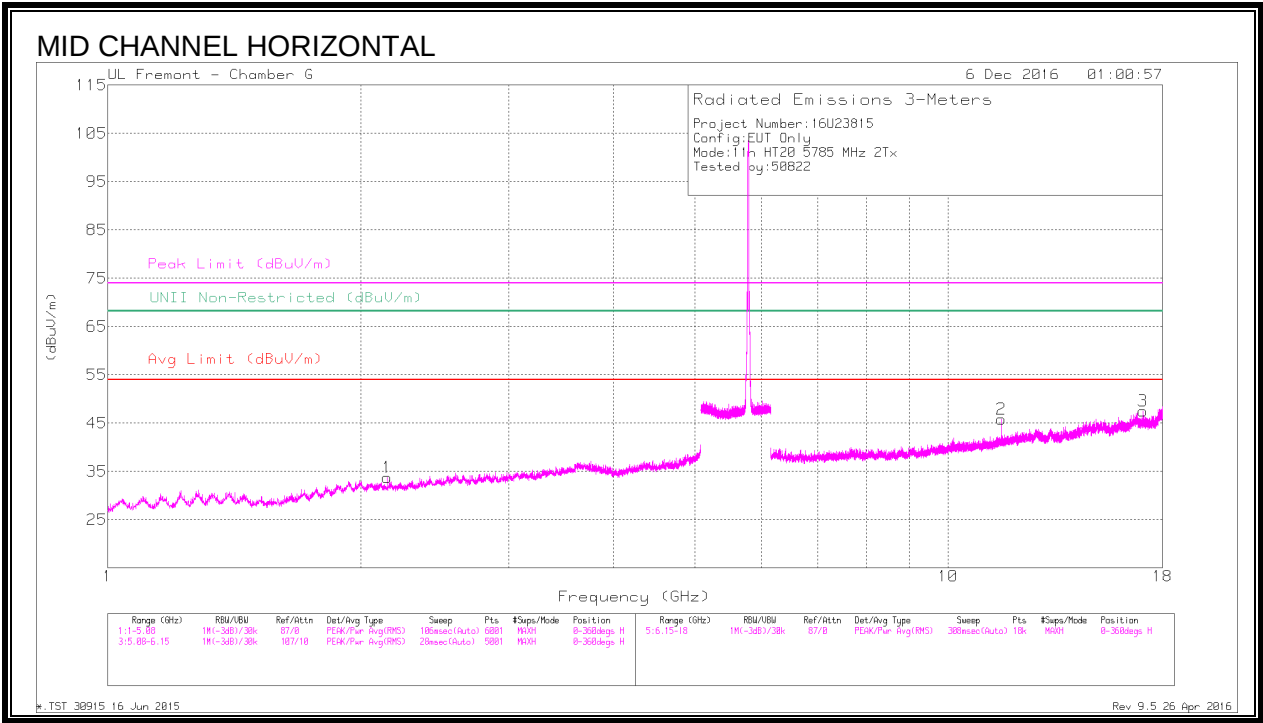
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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)	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	* 4.615	39.96	PK-U	34.4	-31.4	42.96	-	-	74	-31.04	-	-	321	297	H
	* 4.616	29.29	ADR	34.4	-31.4	32.29	54	-21.71	-	-	-	-	321	297	H
2	8.616	38.7	PK-U	35.9	-28.3	46.3	-	-	-	-	68.2	-21.9	252	292	H
3	* 11.49	38.17	PK-U	38.3	-25.9	50.57	-	-	74	-23.43	-	-	196	261	H
	* 11.49	30.57	ADR	38.3	-25.9	42.97	54	-11.03	-	-	-	-	196	261	H
4	* 4.898	42.01	PK-U	34.5	-30.8	45.71	-	-	74	-28.29	-	-	234	148	V
	* 4.9	30.62	ADR	34.5	-30.8	34.32	54	-19.68	-	-	-	-	234	148	V
5	9.979	37.52	PK-U	37.2	-27.5	47.22	-	-	-	-	68.2	-20.98	22	304	V
6	* 11.49	38.08	PK-U	38.3	-25.9	50.48	-	-	74	-23.52	-	-	228	274	V
	* 11.49	30.1	ADR	38.3	-25.9	42.5	54	-11.5	-	-	-	-	228	274	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

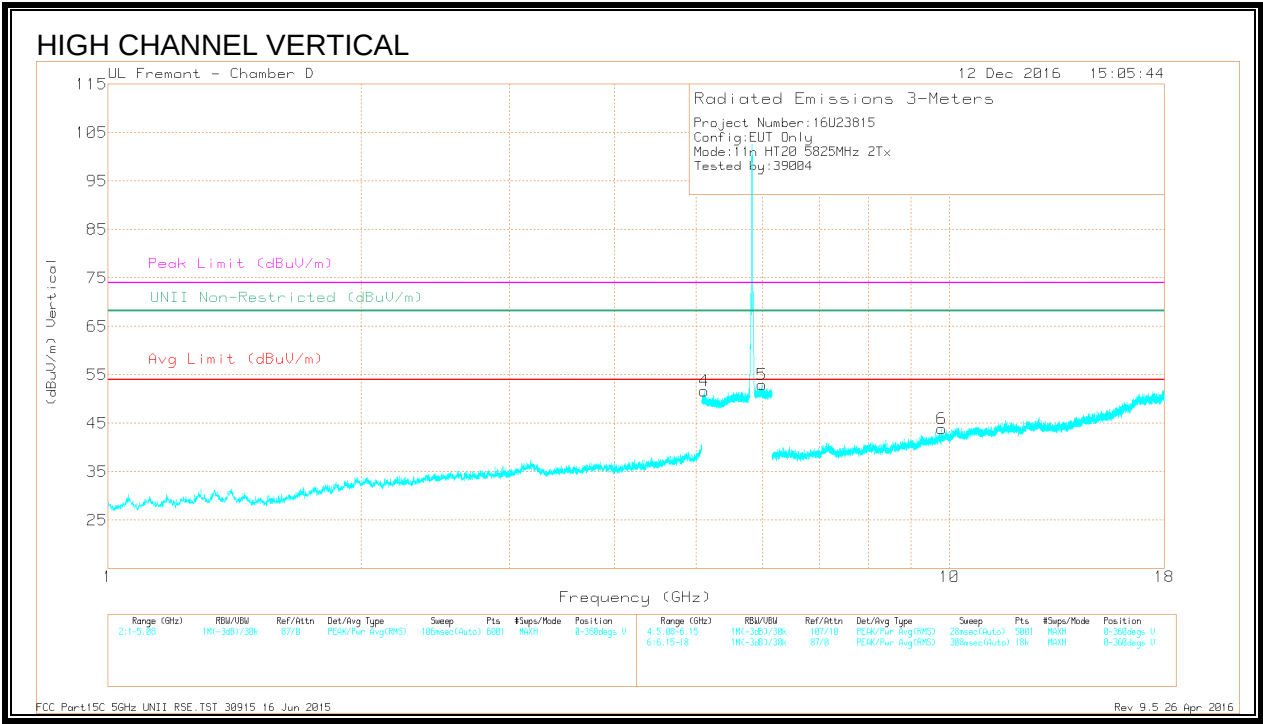
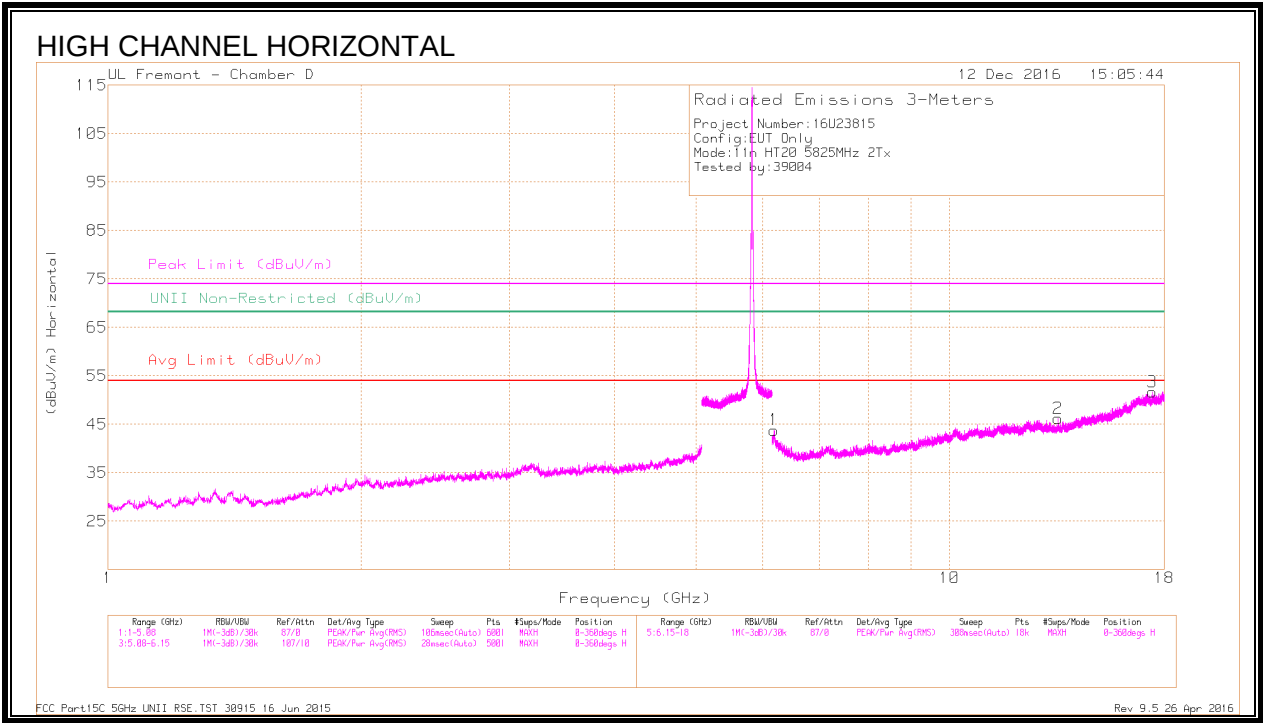


Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl /Ftr/Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non- Restrict ed (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.149	42.13	PK-U	31.6	-33.6	40.13	-	-	-	-	68.2	-28.07	269	124	H
2	* 11.57	38.52	PK-U	38.4	-25.9	51.02	-	-	74	-22.98	-	-	190	351	H
	* 11.57	31.4	ADR	38.4	-25.9	43.9	54	-10.1	-	-	-	-	190	351	H
3	17.066	34.81	PK-U	41.7	-24.1	52.41	-	-	-	-	68.2	-15.79	271	247	H
4	* 3.613	40.88	PK-U	34	-32.1	42.78	-	-	74	-31.22	-	-	223	141	V
	* 3.612	30.28	ADR	34	-32	32.28	54	-21.72	-	-	-	-	223	141	V
5	* 11.576	36.39	PK-U	38.4	-26	48.79	-	-	74	-25.21	-	-	185	202	V
	* 11.573	25.11	ADR	38.4	-26	37.51	54	-16.49	-	-	-	-	185	202	V
6	12.751	35.79	PK-U	39.3	-24.7	50.39	-	-	-	-	68.2	-17.81	147	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



Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cb l/Fitr/Pa d (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	6.19	42.07	PK-U	35.6	-26.4	51.27	-	-	-	-	68.2	-16.93	209	207	H
2	13.46	34.92	PK-U	38.8	-22.4	51.32	-	-	-	-	68.2	-16.88	4	382	H
3	17.404	33.57	PK-U	41.1	-17.5	57.17	-	-	-	-	68.2	-11.03	327	234	H
4	* 5.107	41.34	PK-U	34.1	-18.4	57.04	-	-	74	-16.96	-	-	317	242	V
	* 5.106	30.54	ADR	34	-18.4	46.14	54	-7.86	-	-	-	-	317	242	V
5	5.991	41.38	PK-U	35.1	-17.6	58.88	-	-	-	-	68.2	-9.32	248	159	V
6	9.783	33.9	PK-U	36.9	-22.1	48.7	-	-	-	-	68.2	-19.5	233	205	V

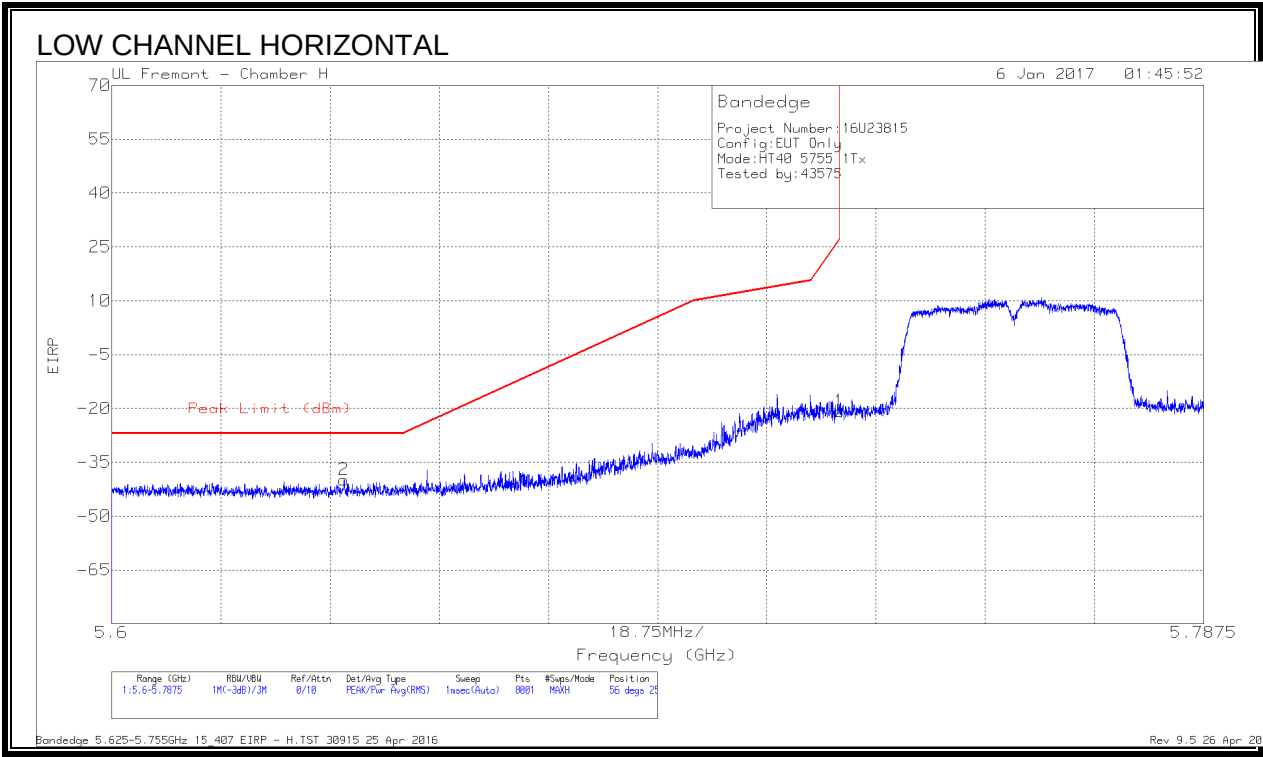
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

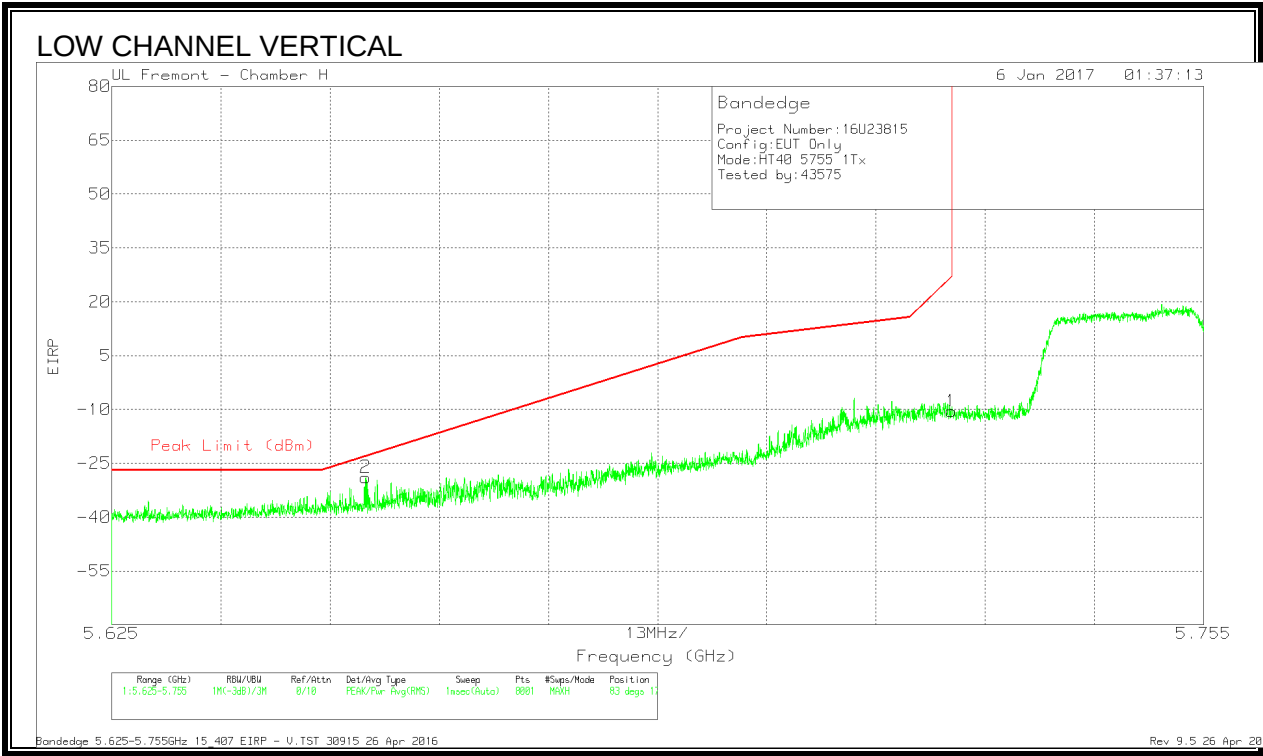
9.2.40. 11n HT40 ANTENNA A SISO MODE IN THE 5.8GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequenc y (GHz)	Meter Reading (dBm)	Det	AF T120 (dB/m)	Amp/Cb/Filtr/Pad (dB)	Conversion Factor (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.64	-62.3	Pk	34.7	-24.1	11.8	-39.9	-27	-12.9	56	254	H
1	5.725	-43.43	Pk	34.9	-24.1	11.8	-20.83	26.99	-47.82	56	254	H

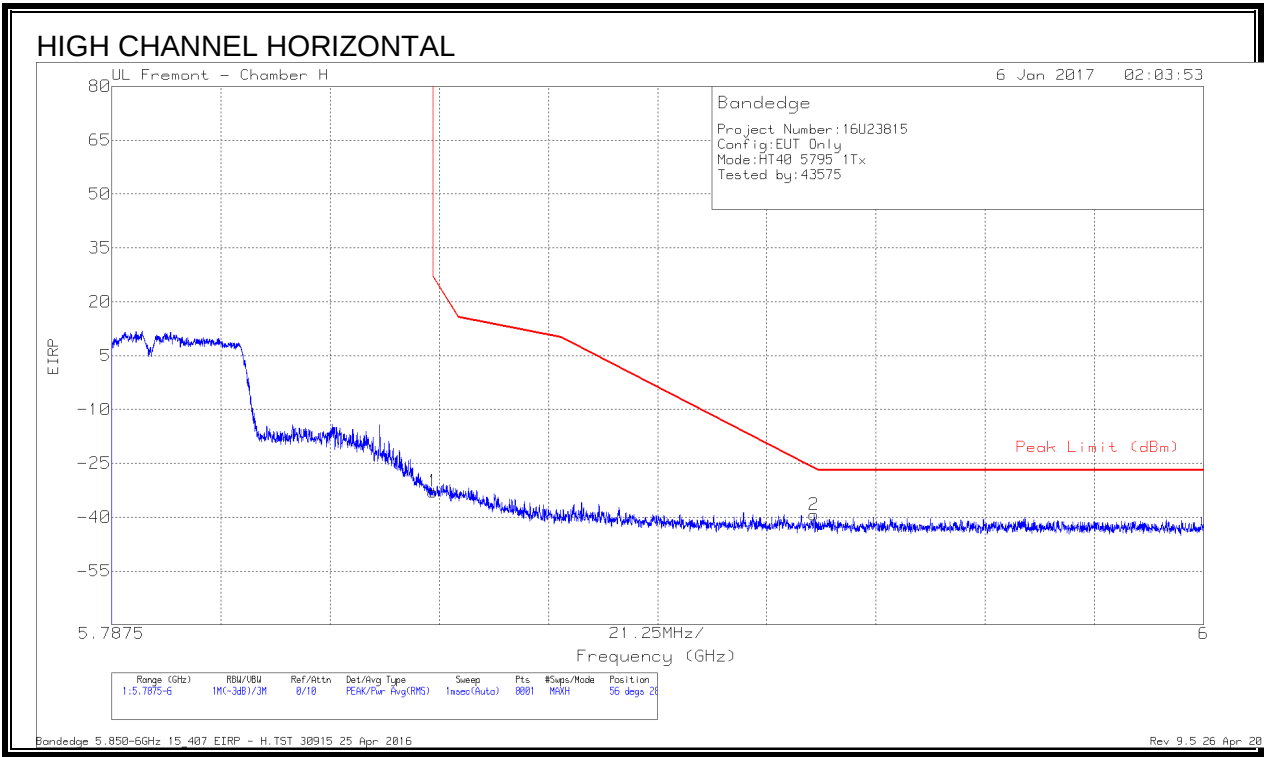
Pk - Peak detector
Bandedge 5.625-5.755GHz 15_407 EIRP - H.TST 30915 25 Apr 2016
Rev 9.5 26 Apr 2016



Marker	Frequenc y (GHz)	Meter Reading (dBm)	Det	AF T120 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.655	-51.31	Pk	34.7	-24.1	11.8	-28.91	-23.12	-5.79	83	171	V
1	5.725	-33.13	Pk	34.9	-24.1	11.8	-10.53	26.97	-37.5	83	171	V

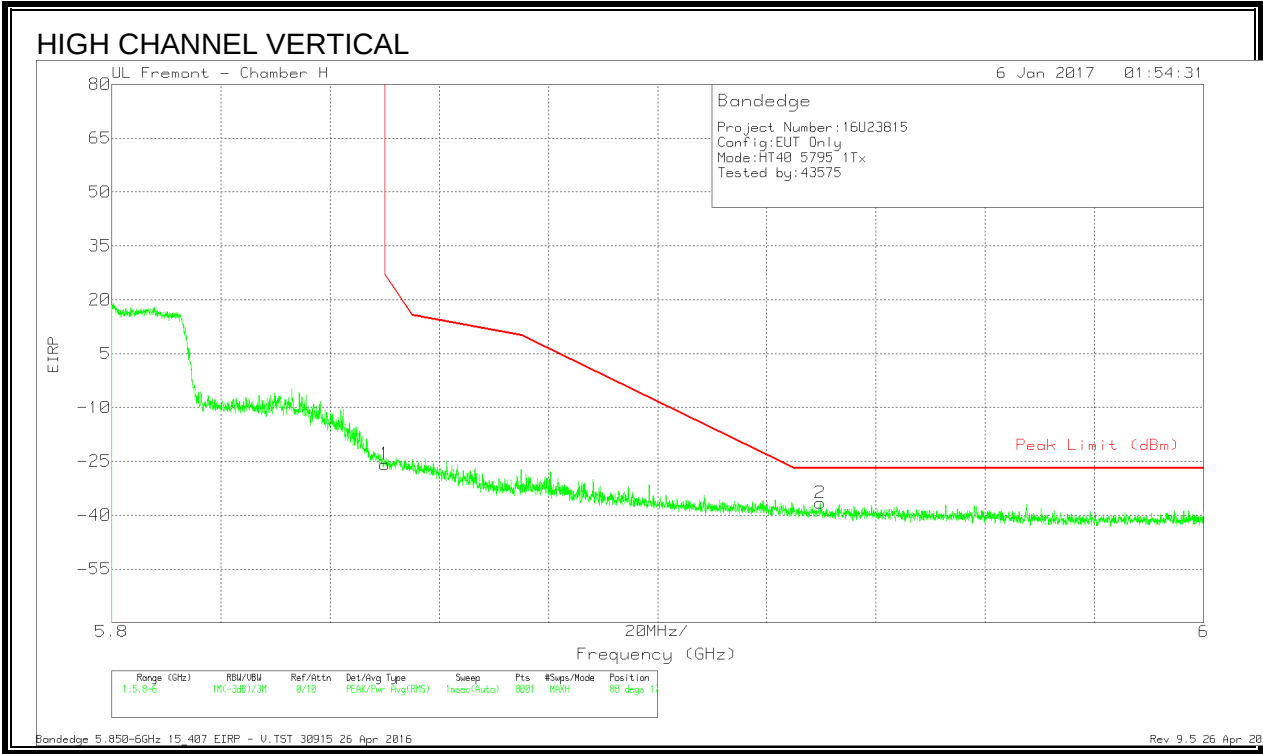
Pk - Peak detector
Bandedge 5.625-5.755GHz 15_407 EIRP - V.TST 30915 26 Apr 2016
Rev 9.5 26 Apr 2016

AUTHORIZED BANDEDGE (HIGH CHANNEL)



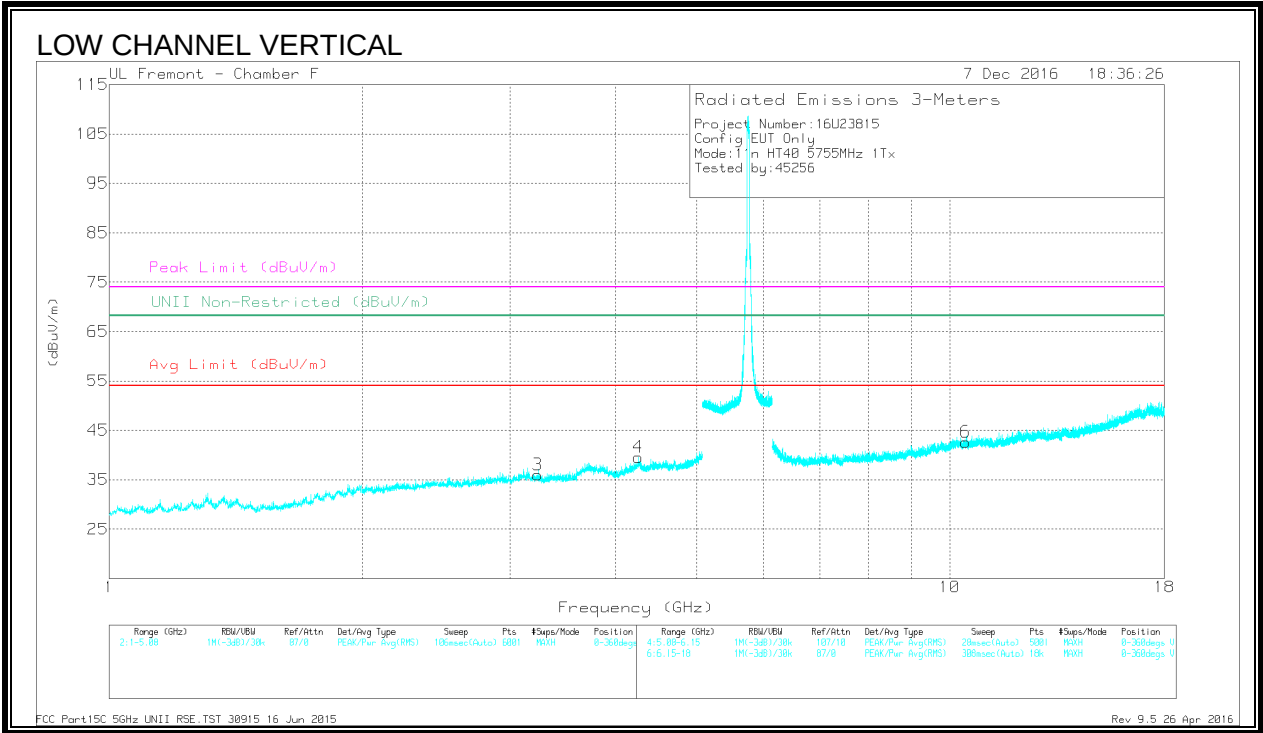
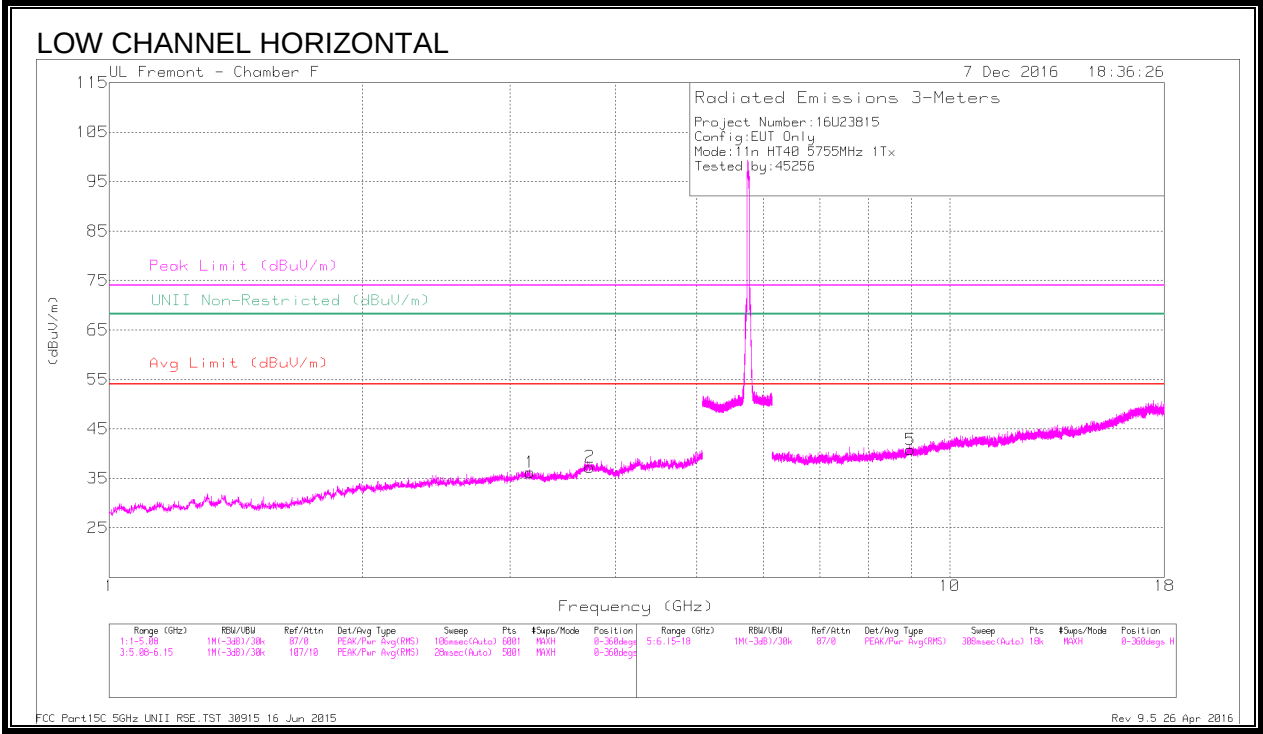
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T120 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-55.78	Pk	35	-23.9	11.8	-32.88	26.99	-59.87	56	289	H
2	5.924	-62.66	Pk	35.2	-23.7	11.8	-39.36	-26.4	-12.96	56	289	H

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



Marker	Frequenc y (GHz)	Meter Reading (dBm)	Det	AF T120 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-48.73	Pk	35	-23.9	11.8	-25.83	26.94	-52.77	88	170	V
2	5.93	-59.94	Pk	35.2	-23.7	11.8	-36.64	-27	-9.64	88	170	V

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

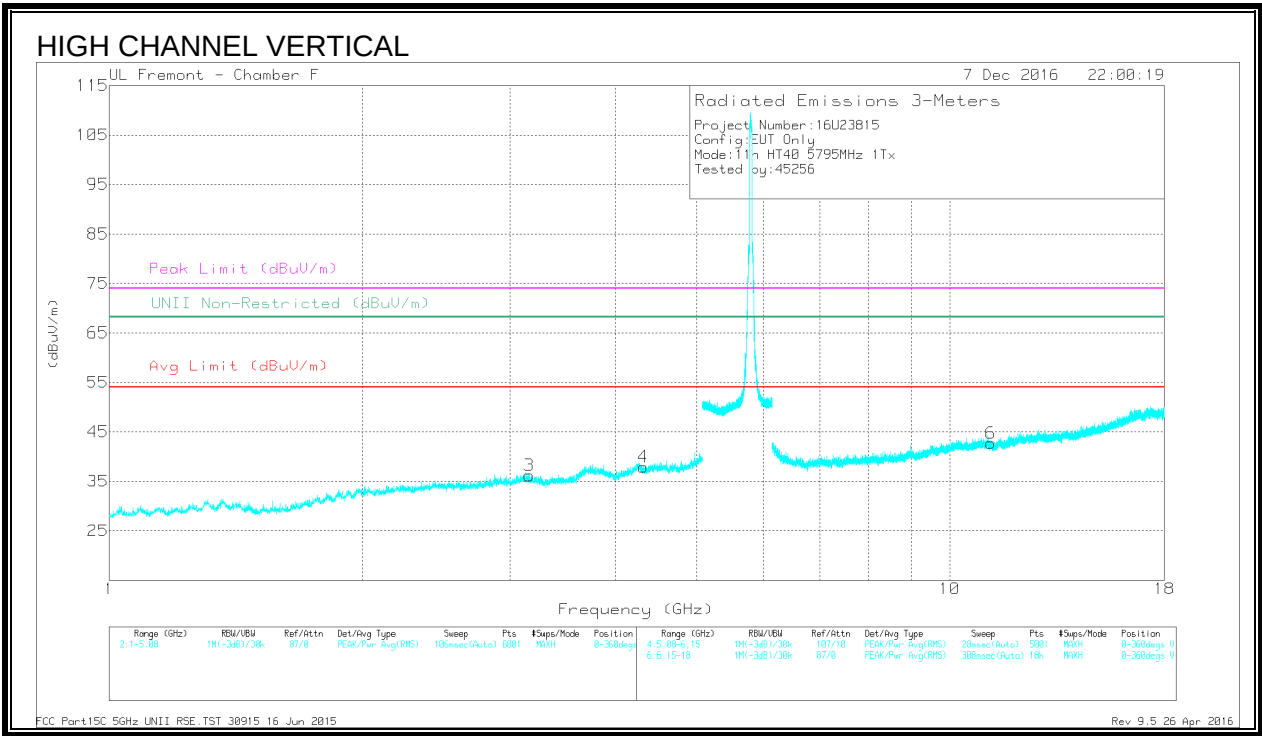
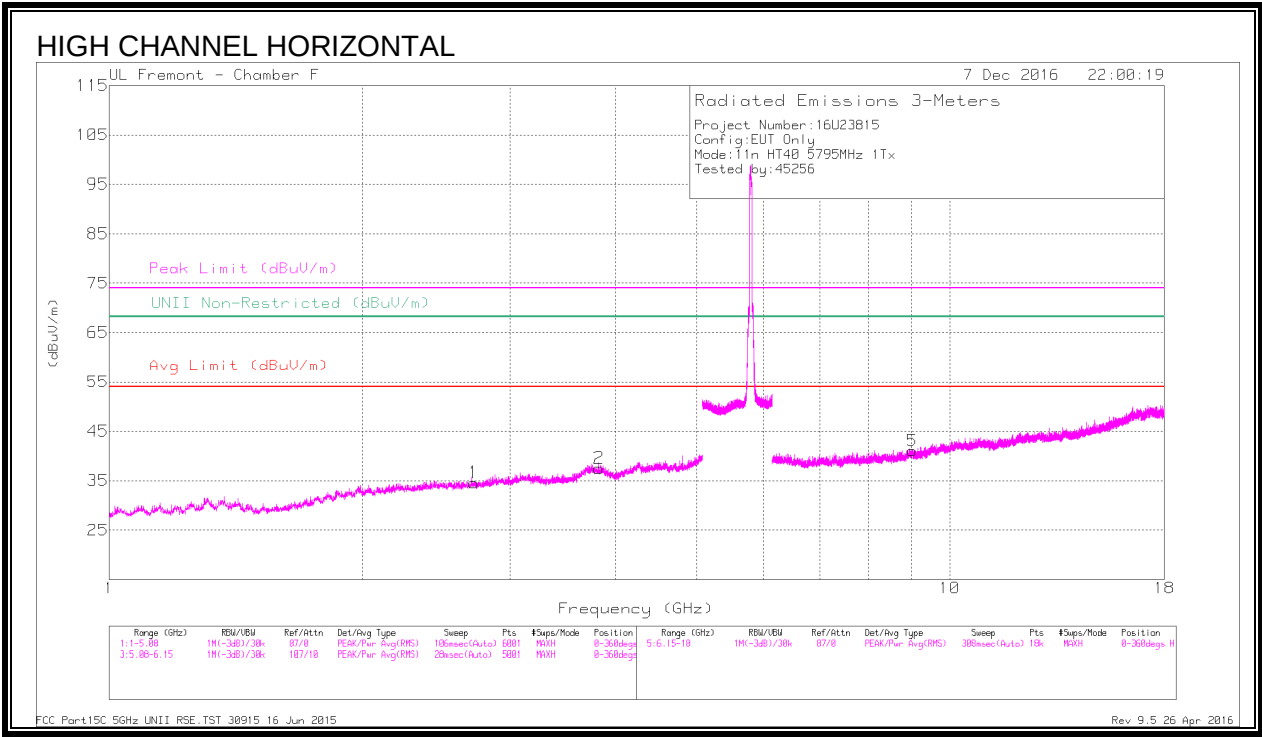


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	3.169	39.9	PK-U	33.2	-29.8	0	43.3	-	-	-	-	68.2	-24.9	295	254	H
2	* 3.731	38.63	PK-U	33.4	-29.2	0	42.83	-	-	74	-31.17	-	-	64	353	H
	* 3.728	28.02	ADR	33.4	-29.2	.1	32.32	54	-21.68	-	-	-	-	64	353	H
3	3.235	40.35	PK-U	33	-29.7	0	43.65	-	-	-	-	68.2	-24.55	277	386	V
4	* 4.26	36.87	PK-U	33.7	-26.5	0	44.07	-	-	74	-29.93	-	-	118	138	V
	* 4.261	26.53	ADR	33.7	-26.5	.1	33.83	54	-20.17	-	-	-	-	118	138	V
5	8.975	34.4	PK-U	35.9	-22.9	0	47.4	-	-	-	-	68.2	-20.8	287	257	H
6	10.446	33.91	PK-U	37.4	-21.2	0	50.11	-	-	-	-	68.2	-18.09	237	185	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 (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	* 2.714	40.87	PK-U	32.4	-30.4	0	42.87	-	-	74	-31.13	-	-	207	182	H
	* 2.713	28.87	ADR	32.4	-30.4	.1	30.97	54	-23.03	-	-	-	-	207	182	H
2	* 3.827	38.18	PK-U	33.4	-28.8	0	42.78	-	-	74	-31.22	-	-	99	329	H
	* 3.824	27.66	ADR	33.4	-28.9	.1	32.26	54	-21.74	-	-	-	-	99	329	H
3	3.158	39.41	PK-U	33.2	-29.7	0	42.91	-	-	-	-	68.2	-25.29	5	184	V
4	* 4.318	37.95	PK-U	33.8	-28.2	0	43.55	-	-	74	-30.45	-	-	310	351	V
	* 4.317	27.44	ADR	33.8	-28.2	.1	33.14	54	-20.86	-	-	-	-	310	351	V
5	* 9.023	34.52	PK-U	36	-22.8	0	47.72	-	-	74	-26.28	-	-	45	358	H
	* 9.023	23.55	ADR	36	-22.8	.1	36.85	54	-17.15	-	-	-	-	45	358	H
6	* 11.186	33.67	PK-U	37.9	-21.8	0	49.77	-	-	74	-24.23	-	-	323	290	V
	* 11.187	22.87	ADR	37.9	-21.7	.1	39.17	54	-14.83	-	-	-	-	323	290	V

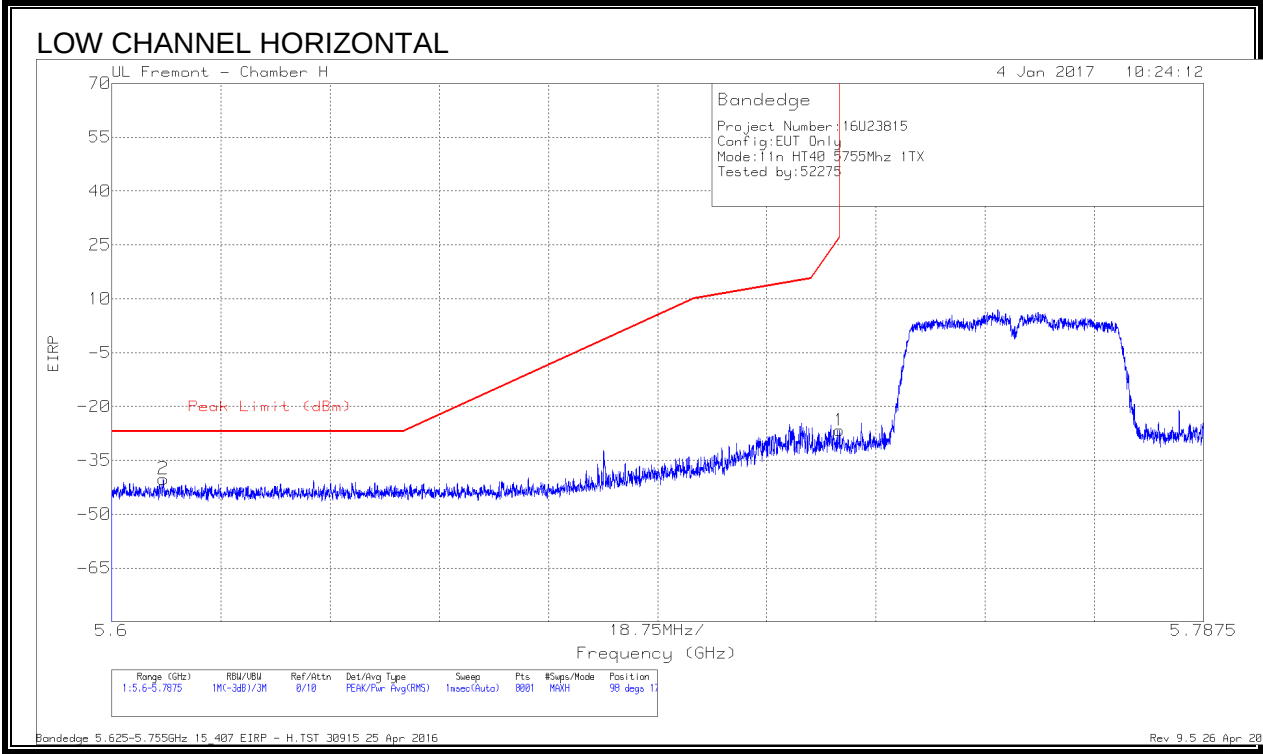
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

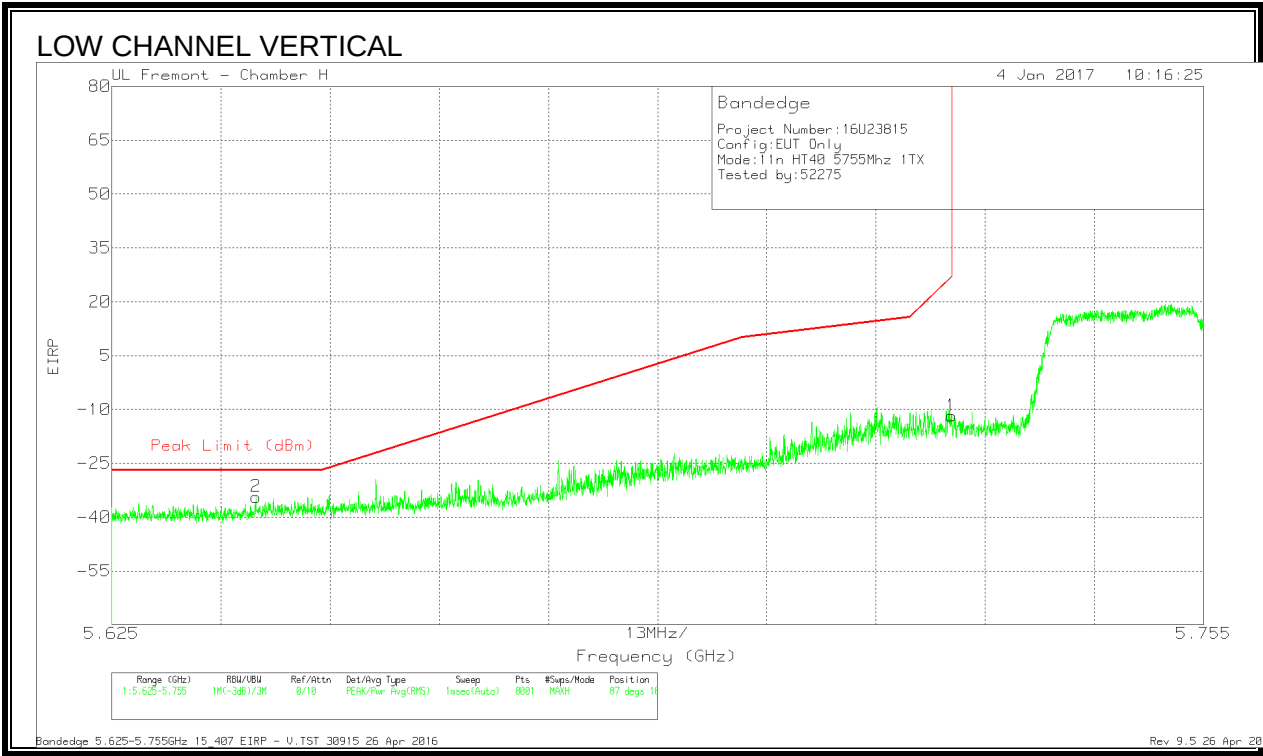
9.2.41. 11n HT40 ANTENNA B SISO MODE IN THE 5.8GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequen cy (GHz)	Meter Reading (dBm)	Det	AF T120 (dB/m)	Amp/Cbl /Fltr/Pa d (dB)	Conversi on Factor (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-49.25	Pk	34.9	-24.1	11.8	-26.65	26.99	-53.64	98	174	H
2	5.609	-62.59	Pk	34.6	-24	11.8	-40.19	-27	-13.19	98	174	H

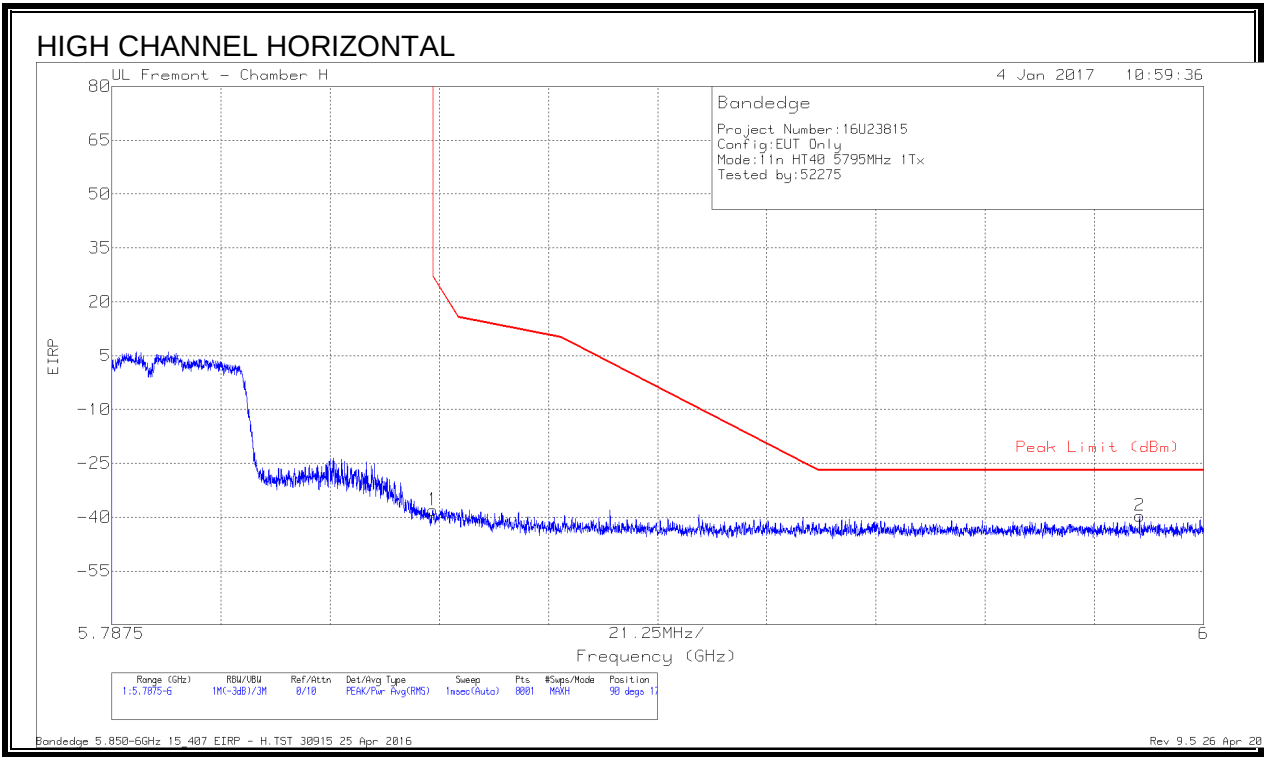
Pk - Peak detector



Marker	Frequen cy (GHz)	Meter Reading (dBm)	Det	AFT120 (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	5.725	-34.39	Pk	34.9	-24.1	11.8	-11.79	26.97	-38.76	87	161	V
2	5.642	-56.73	Pk	34.7	-24.1	11.8	-34.33	-27	-7.33	87	161	V

Pk - Peak detector

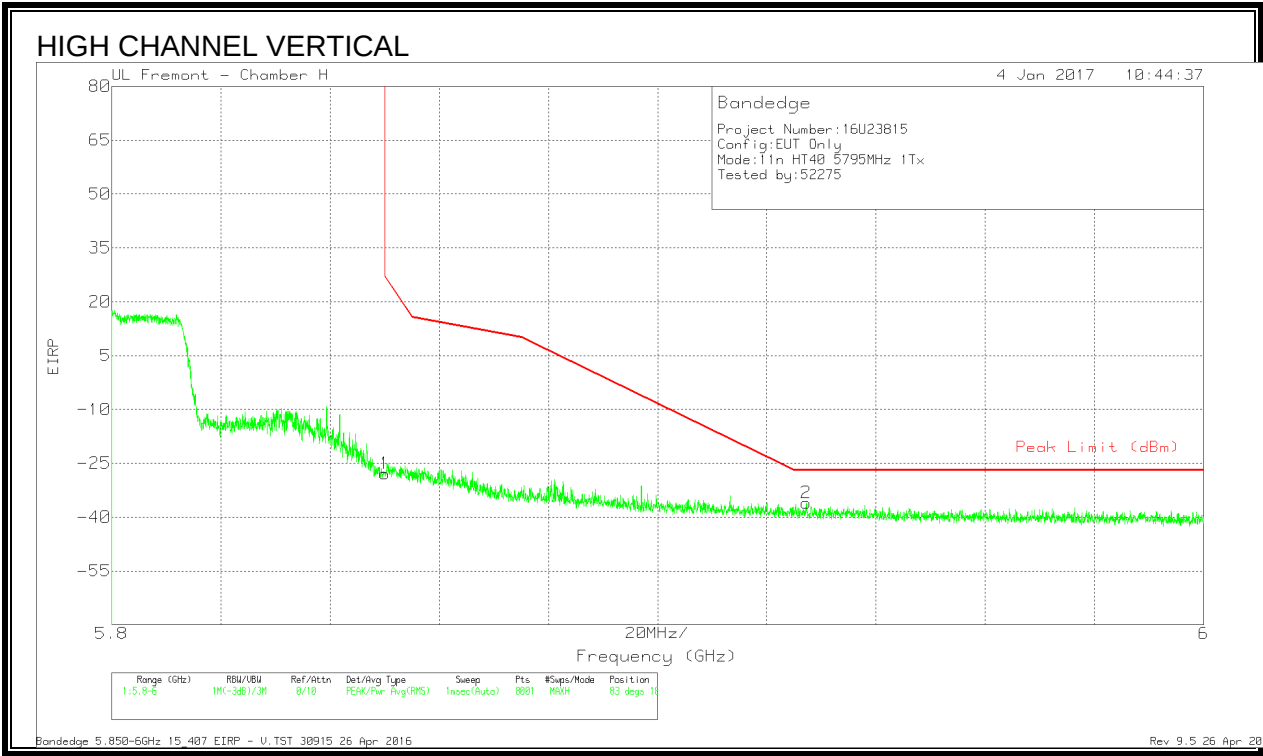
AUTHORIZED BANDEDGE (HIGH CHANNEL)

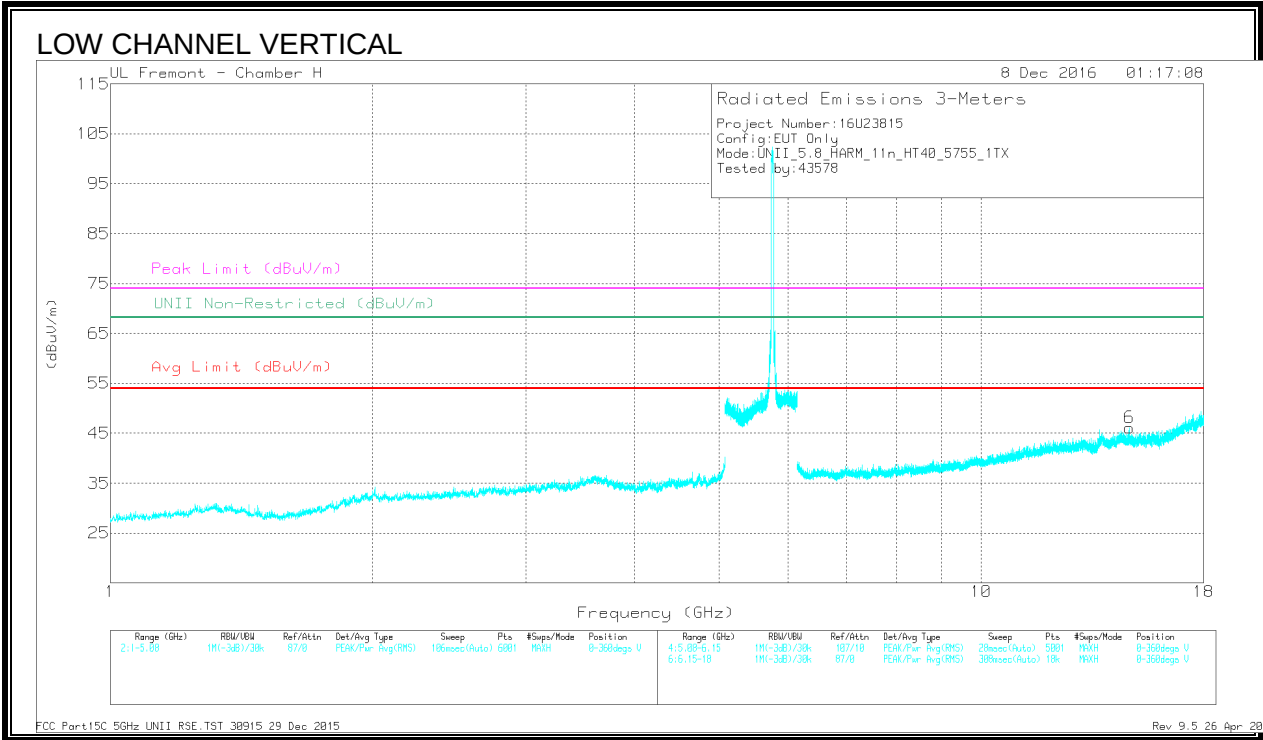
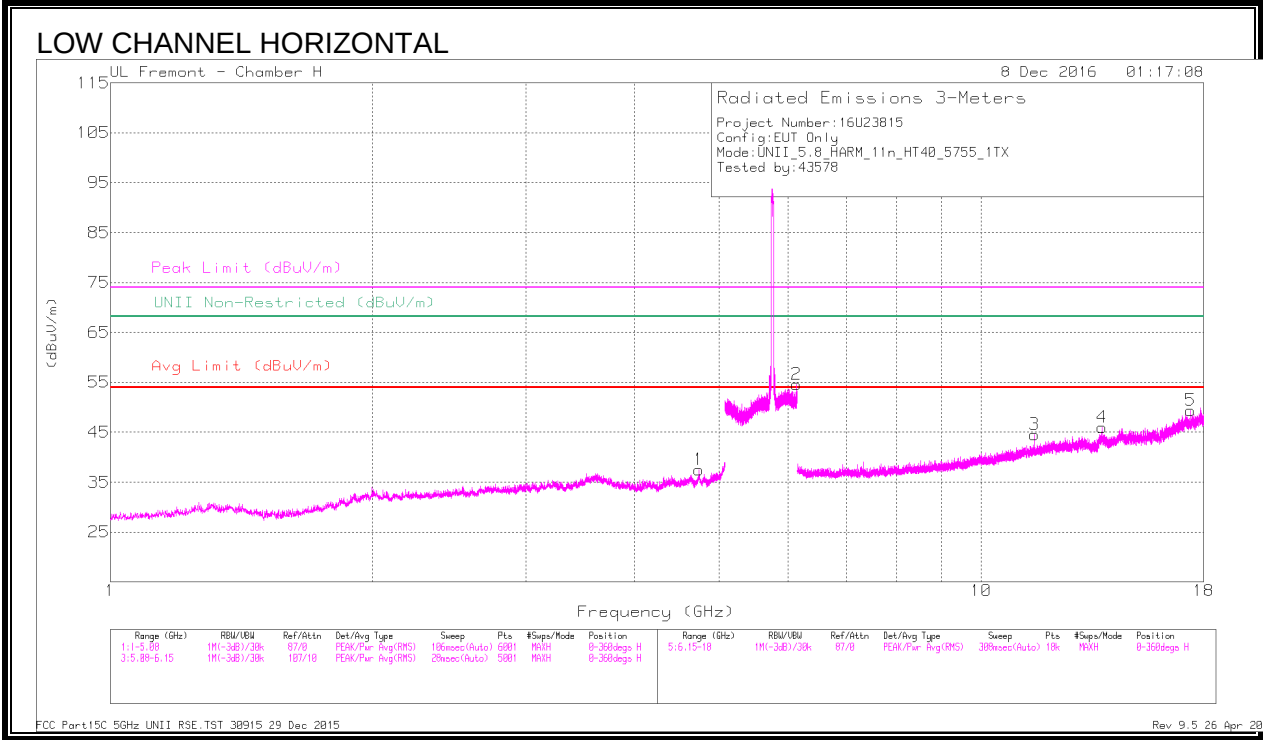


Trace Markers

Marker	Frequen cy (GHz)	Meter Reading (dBm)	Det	AF T120 (dB/m)	Amp/Cbl /Fitr/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	-60.89	Pk	35	-23.9	11.8	-37.99	26.99	-64.98	90	172	H
2	5.988	-63.3	Pk	35.4	-23.5	11.8	-39.6	-27	-12.6	90	172	H

Pk - Peak detector



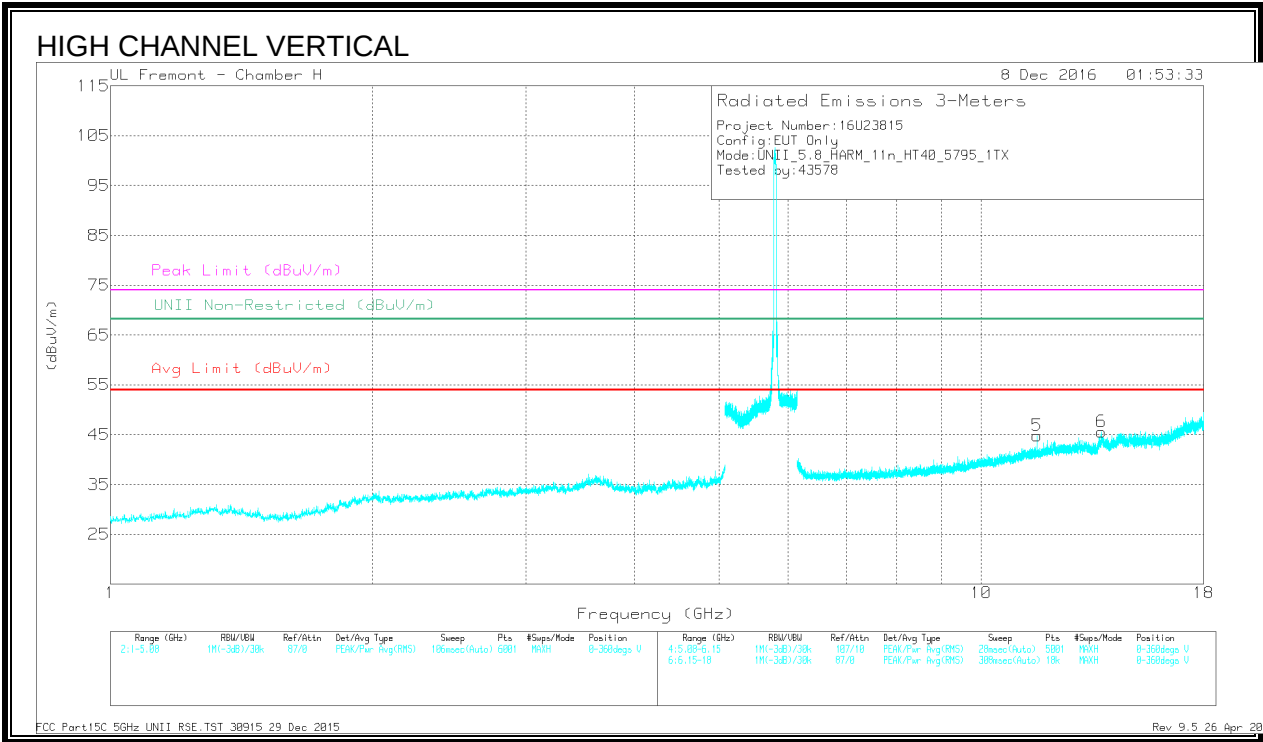
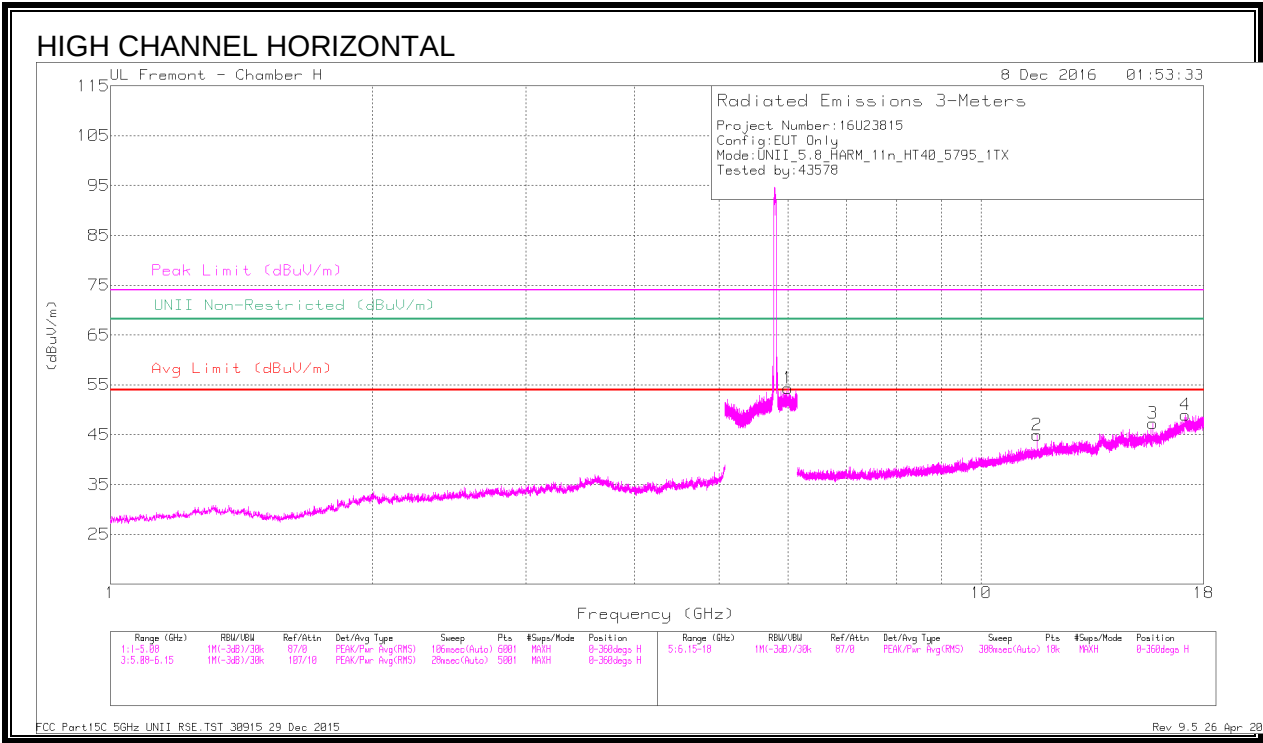


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.739	44.08	PK-U	34	-34.1	0	43.98	-	-	74	-30.02	-	-	223	184	H
	* 4.739	32.47	ADR	34	-34.1	.1	32.47	54	-21.53	-	-	-	-	223	184	H
2	6.14	40.35	PK-U	35.5	-13.9	0	61.95	-	-	-	-	68.2	-6.25	38	143	H
3	* 11.51	40.09	PK-U	38.7	-27	0	51.79	-	-	74	-22.21	-	-	284	303	H
	* 11.51	31.88	ADR	38.7	-27	.1	43.68	54	-10.32	-	-	-	-	284	303	H
4	13.767	36.85	PK-U	39.1	-24.2	0	51.75	-	-	-	-	68.2	-16.45	147	162	H
5	17.396	35.56	PK-U	40.6	-21.4	0	54.76	-	-	-	-	68.2	-13.44	162	195	H
6	14.801	36.54	PK-U	40	-24.3	0	52.24	-	-	-	-	68.2	-15.96	229	122	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

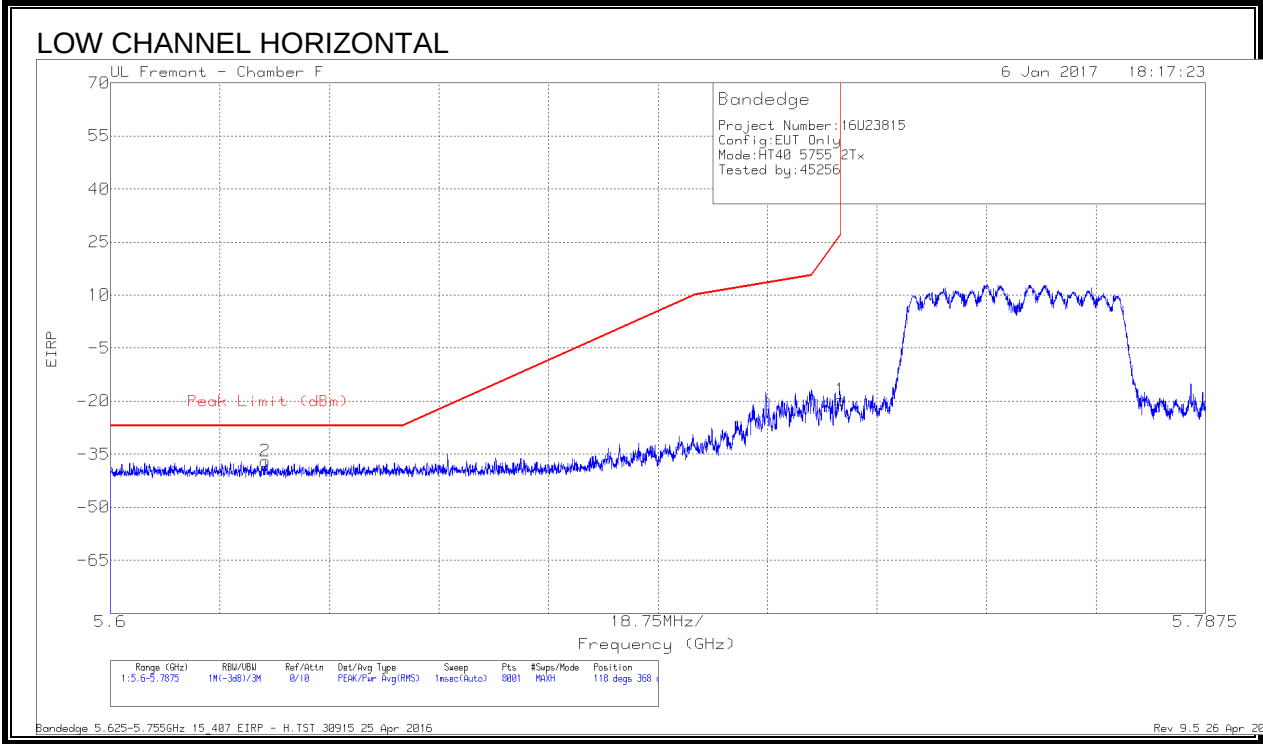


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.993	39.66	PK-U	35.4	-14.1	0	60.96	-	-	-	-	68.2	-7.24	313	229	H
2	* 11.59	39.61	PK-U	38.9	-26.8	0	51.71	-	-	74	-22.29	-	-	107	118	H
	* 11.59	31.17	ADR	38.9	-26.8	.1	43.37	54	-10.63	-	-	-	-	107	118	H
3	* 15.733	37.13	PK-U	40.3	-24.1	0	53.33	-	-	74	-20.67	-	-	245	158	H
	* 15.732	24.98	ADR	40.3	-24.2	.1	41.18	54	-12.82	-	-	-	-	245	158	H
4	17.157	35.61	PK-U	41	-22.4	0	54.21	-	-	-	-	68.2	-13.99	276	189	H
5	* 11.589	39.38	PK-U	38.9	-26.8	0	51.48	-	-	74	-22.52	-	-	145	365	V
	* 11.59	30.31	ADR	38.9	-26.8	.1	42.51	54	-11.49	-	-	-	-	145	365	V
6	13.743	36.59	PK-U	39.1	-24.2	0	51.49	-	-	-	-	68.2	-16.71	246	164	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

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

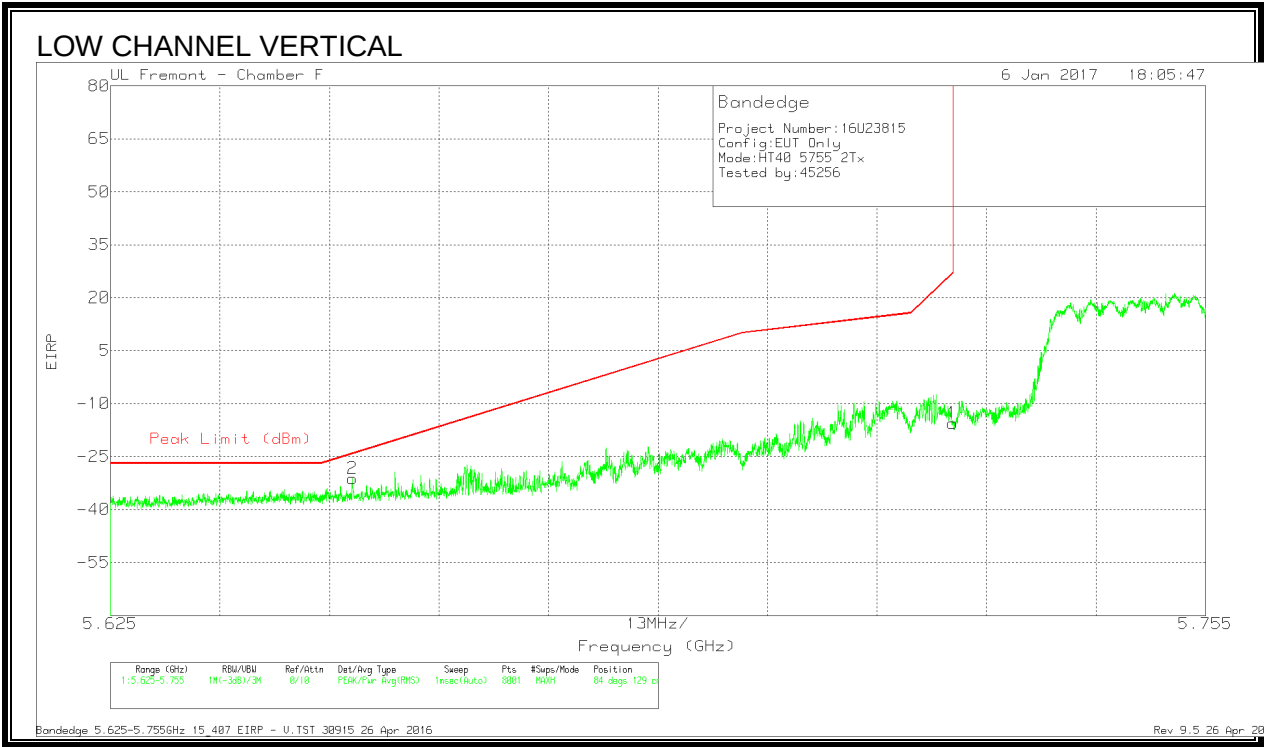
RESTRICTED BANDEDGE (LOW CHANNEL)



Trace Markers

Marker	Frequenc y (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl /Fltr/Pad (dB)	Conversi on Factor (dB)	DC Corr (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-48.28	Pk	34.9	-18.1	11.8	0	-19.68	26.99	-46.67	118	368	H
2	5.627	-65.11	Pk	34.7	-18.4	11.8	0	-37.01	-27	-10.01	118	368	H

Pk - Peak detector

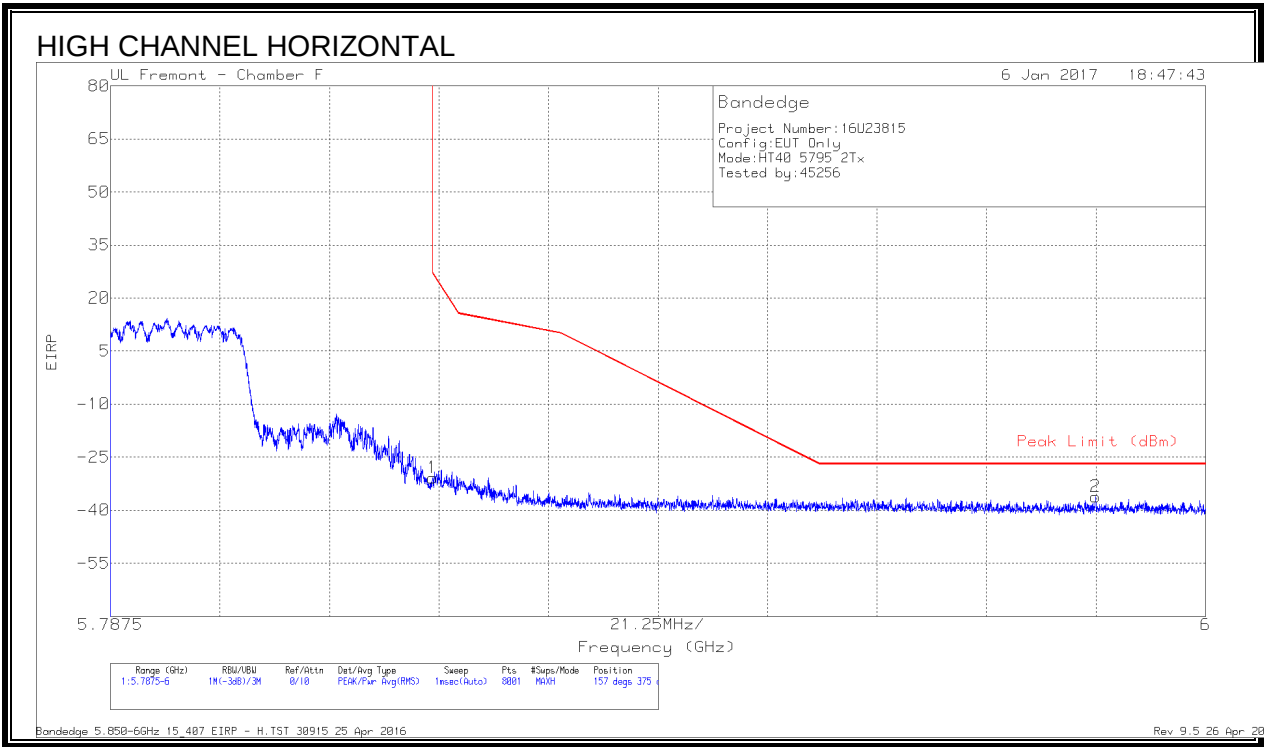


Trace Markers

Marker	Frequen- cy (GHz)	Meter Readin- g (dBm)	Det	AF T344 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	Convers- ion Factor (dB)	DC Corr (dB)	Correct- ed Readin- g EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth h (Degs)	Height (cm)	Polarity
1	5.725	-44.14	Pk	34.9	-18.1	11.8	0	-15.54	26.97	-42.51	84	129	V
2	5.654	-59.44	Pk	34.7	-18.3	11.8	0	-31.24	-24.25	-6.99	84	129	V

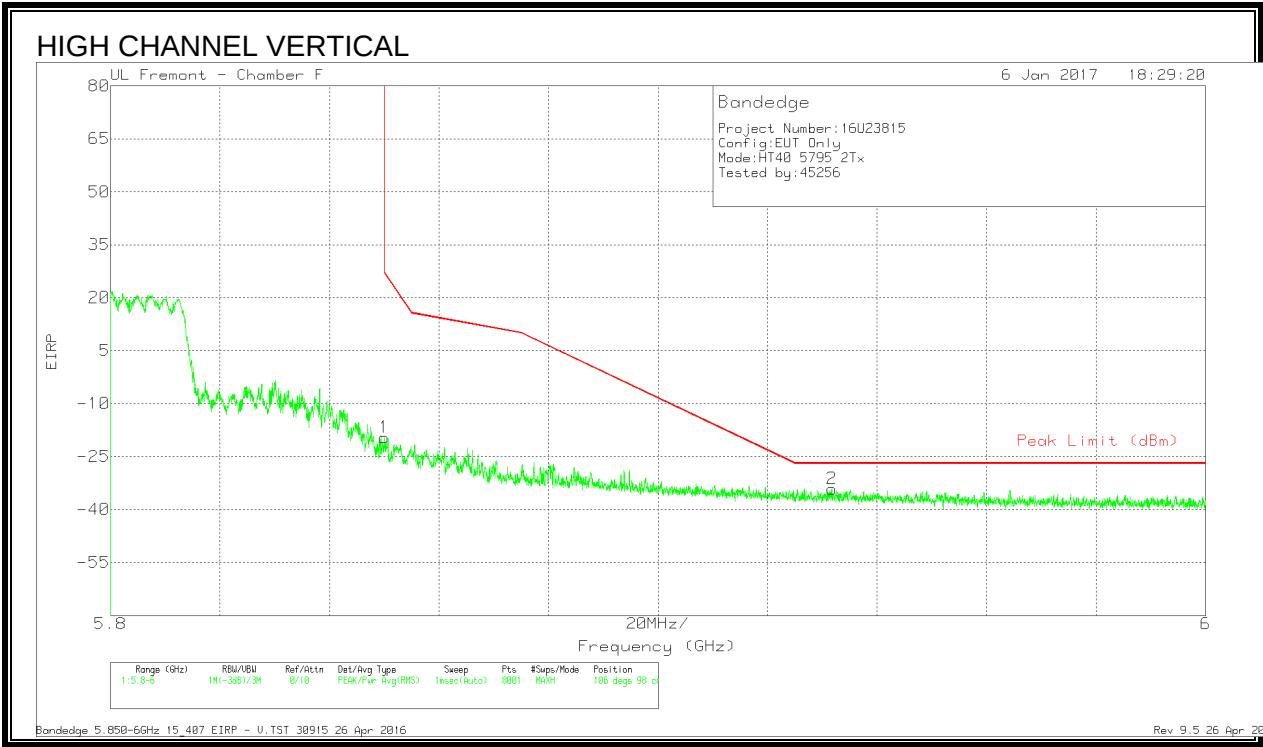
Pk - Peak detector

AUTHORIZED BANDEDGE (HIGH CHANNEL)



Marker	Frequen- cy (GHz)	Meter Readin g (dBm)	Det	AF T344 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	Convers ion Factor (dB)	DC Corr (dB)	Correct ed Readin g EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth h (Degs)	Height (cm)	Polarity
1	5.85	-59.47	Pk	35.1	-18.2	11.8	0	-30.77	26.99	-57.76	157	375	H
2	5.979	-65.02	Pk	35.4	-18.4	11.8	0	-36.22	-27	-9.22	157	375	H

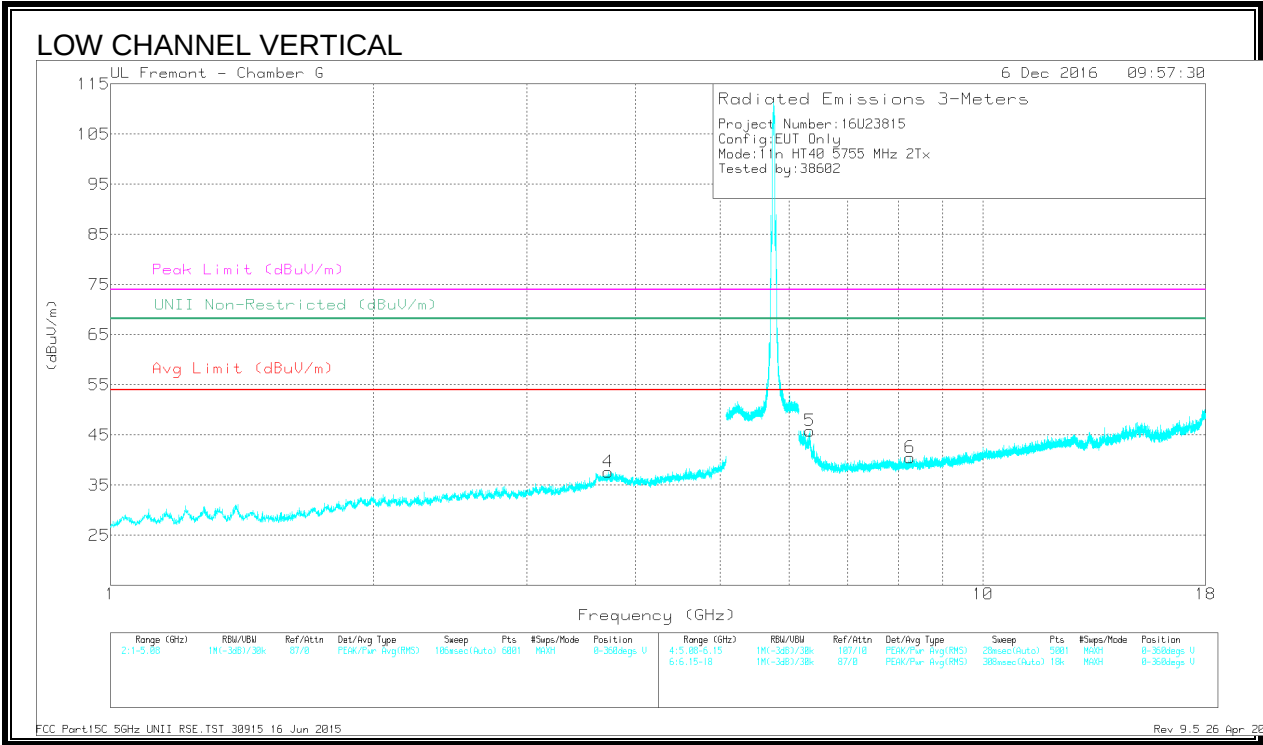
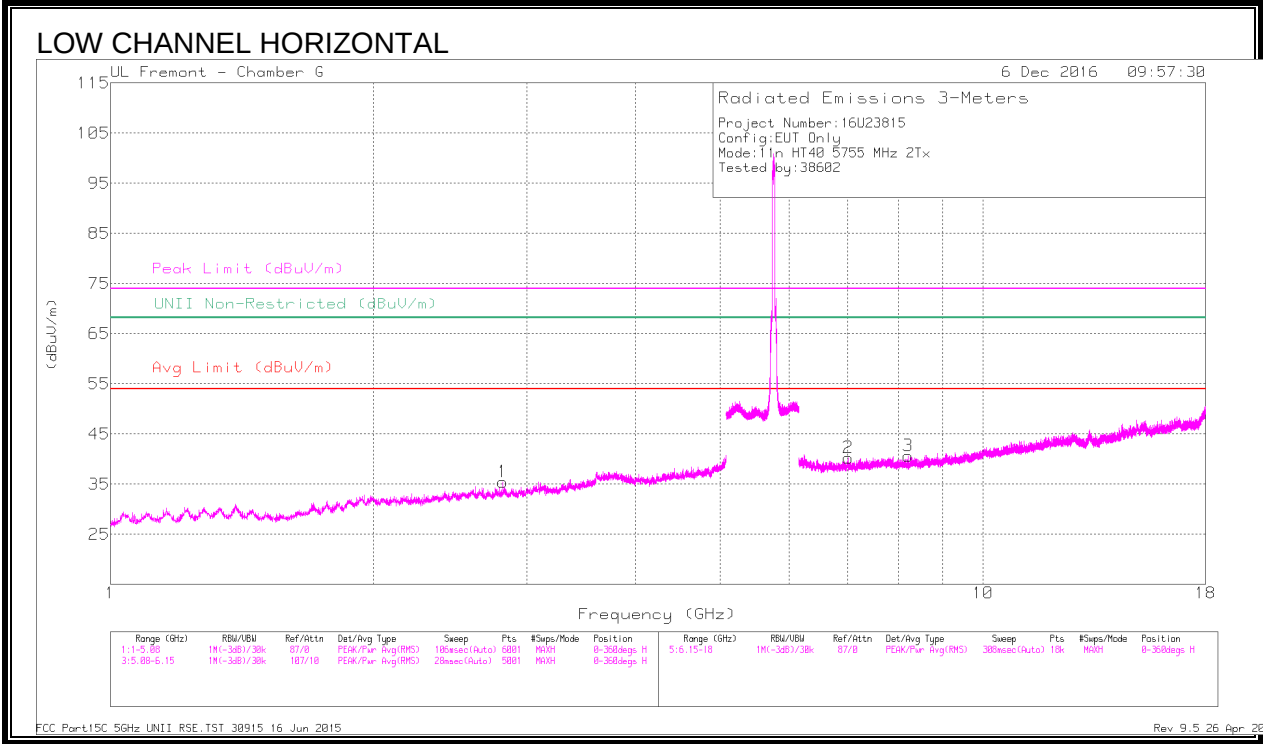
Pk - Peak detector



Trace Markers

Marker	Freque ncy (GHz)	Meter Readin g (dBm)	Det	AF T344 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	Convers ion Factor (dB)	DC Corr (dB)	Correct ed Readin g EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimet h (Degs)	Height (cm)	Polarity
1	5.85	-48.37	Pk	35.1	-18.2	11.8	0	-19.67	26.94	-46.61	106	98	V
2	5.932	-62.9	Pk	35.4	-18.4	11.8	0	-34.1	-27	-7.1	106	98	V

Pk - Peak detector

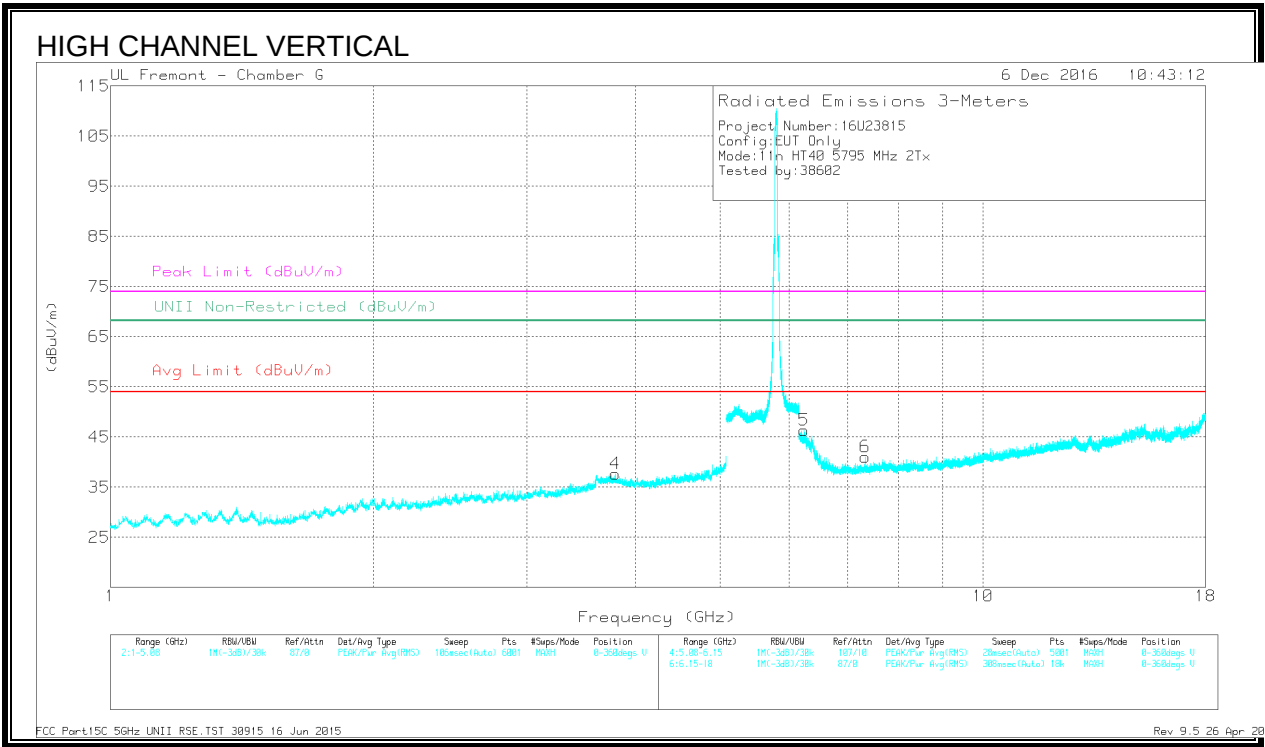
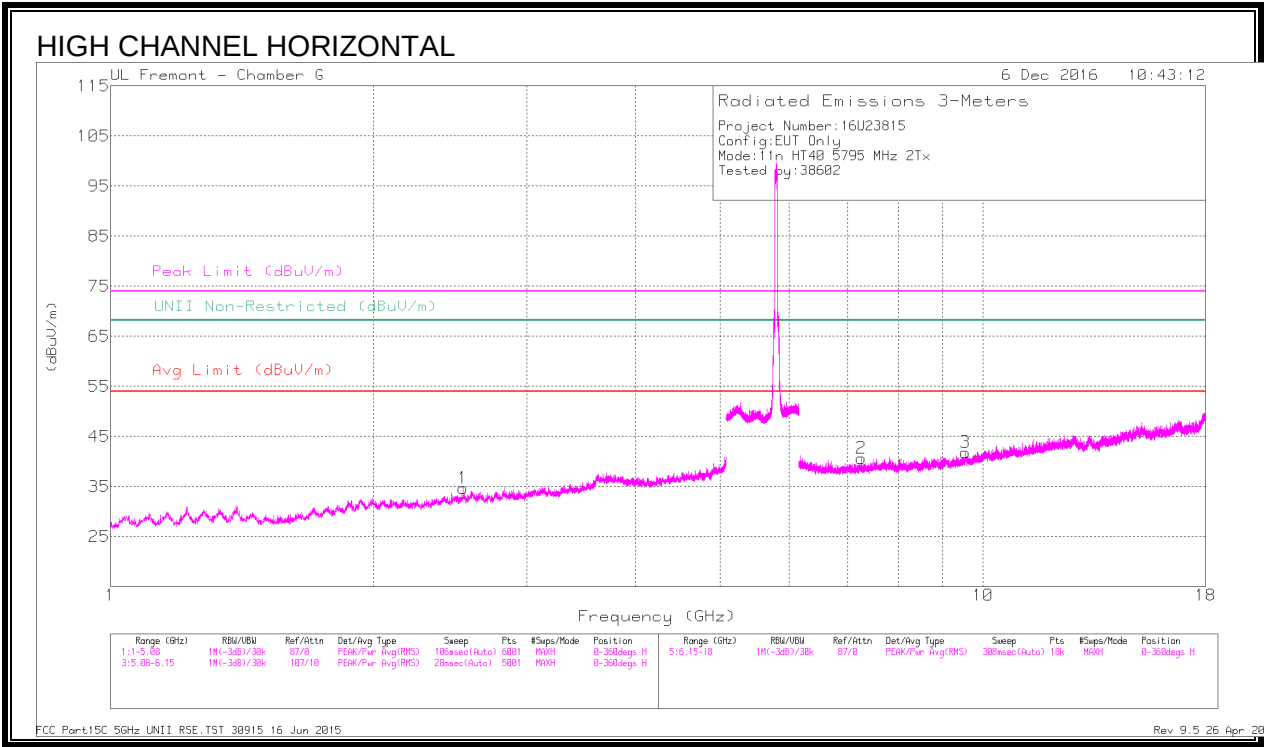


Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl /Fitr/Pad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non- Restrict ed (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.817	42.33	PK-U	32.7	-32.6	0	42.43	-	-	74	-31.57	-	-	294	389	H
	* 2.819	30.67	ADR	32.7	-32.6	.1	30.87	54	-23.13	-	-	-	-	294	389	H
2	* 8.206	39.95	PK-U	35.8	-29.4	0	46.35	-	-	74	-27.65	-	-	274	345	H
	* 8.206	29.53	ADR	35.8	-29.4	.1	36.03	54	-17.97	-	-	-	-	274	345	H
3	7.015	40.56	PK-U	35.7	-30.5	0	45.76	-	-	-	-	68.2	-22.44	274	345	H
4	* 3.724	41.54	PK-U	34.2	-32.1	0	43.64	-	-	74	-30.36	-	-	220	286	V
	* 3.724	30.99	ADR	34.2	-32.1	.1	33.19	54	-20.81	-	-	-	-	220	286	V
5	* 8.258	39.16	PK-U	35.8	-28.6	0	46.36	-	-	74	-27.64	-	-	218	197	V
	* 8.26	29.03	ADR	35.8	-28.6	.1	36.33	54	-17.67	-	-	-	-	218	197	V
6	6.331	48.13	PK-U	35.6	-31.4	0	52.33	-	-	-	-	68.2	-15.87	218	197	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	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl /Fitr/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	2.537	42.08	PK-U	32.5	-33.2	0	41.38	-	-	-	-	68.2	-26.82	341	134	H
2	* 7.26	40.55	PK-U	35.8	-30	0	46.35	-	-	74	-27.65	-	-	188	243	H
	* 7.26	29.56	ADR	35.8	-30	.1	35.46	54	-18.54	-	-	-	-	188	243	H
3	9.553	37.74	PK-U	36.7	-27.2	0	47.24	-	-	-	-	68.2	-20.96	188	243	H
4	* 3.79	42.71	PK-U	33.9	-32.1	0	44.51	-	-	74	-29.49	-	-	61	139	V
	* 3.787	31.29	ADR	33.9	-32.1	.1	33.19	54	-20.81	-	-	-	-	61	139	V
5	6.233	48.96	PK-U	35.7	-31	0	53.66	-	-	-	-	68.2	-14.54	209	138	V
6	* 7.33	41.87	PK-U	35.8	-30.3	0	47.37	-	-	74	-26.63	-	-	209	138	V
	* 7.333	30.68	ADR	35.8	-30.3	.1	36.28	54	-17.72	-	-	-	-	209	138	V

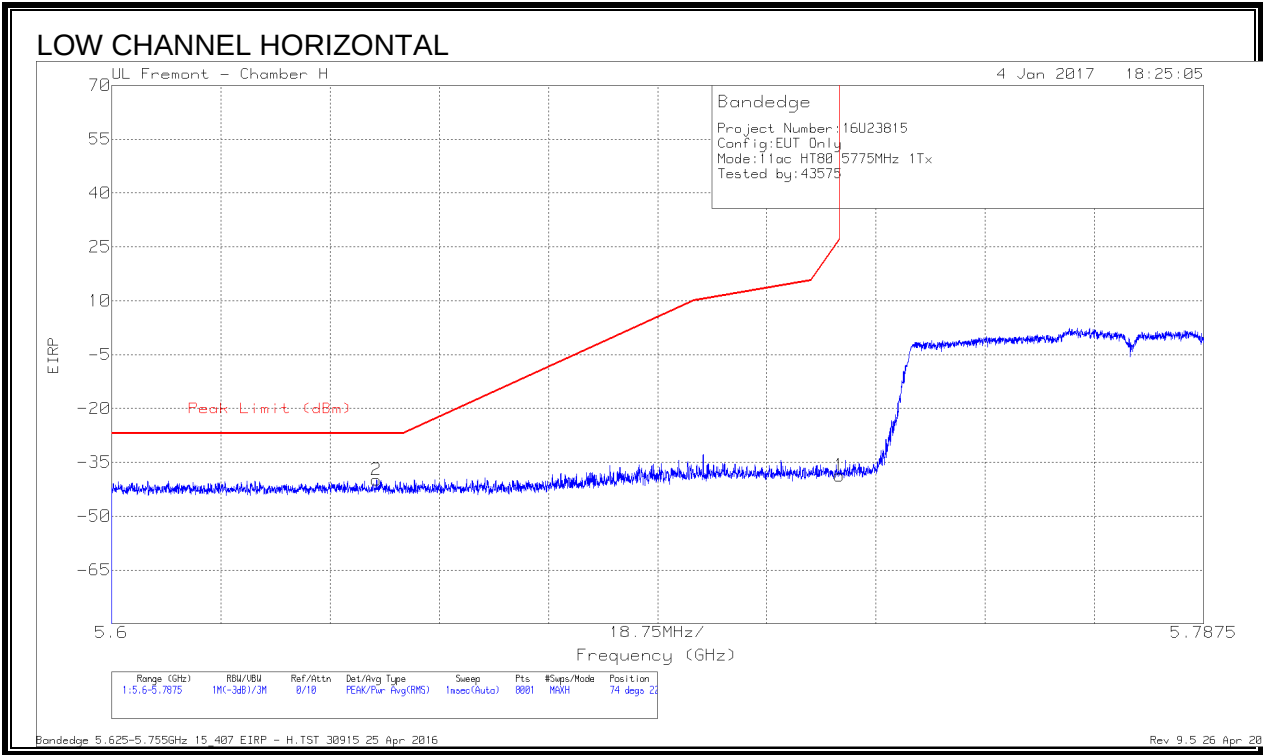
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

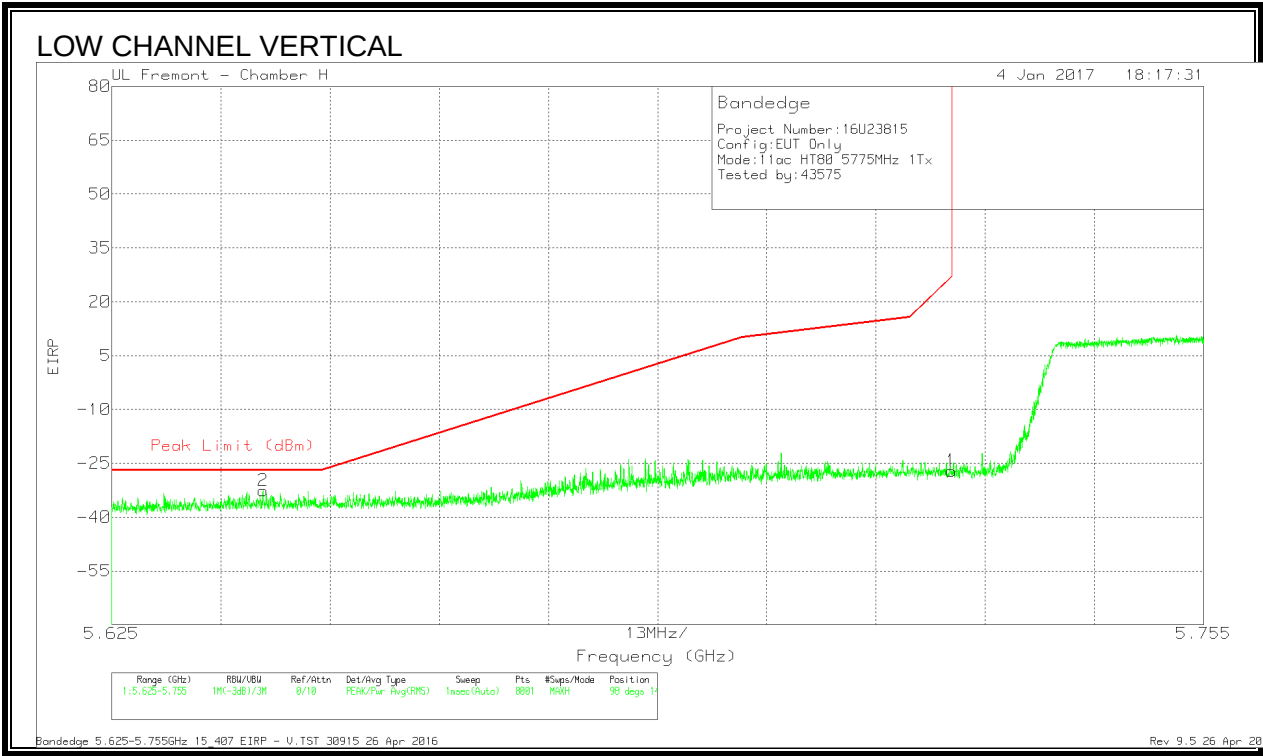
9.2.43. 11ac HT80 ANTENNA A SISO MODE IN THE 5.8GHz BAND

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
1	5.725	-61.29	Pk	34.9	-24.1	11.8	-38.69	26.99	-65.68	74	226	H
2	5.645	-62.32	Pk	34.7	-24.1	11.8	-39.92	-27	-12.92	74	226	H

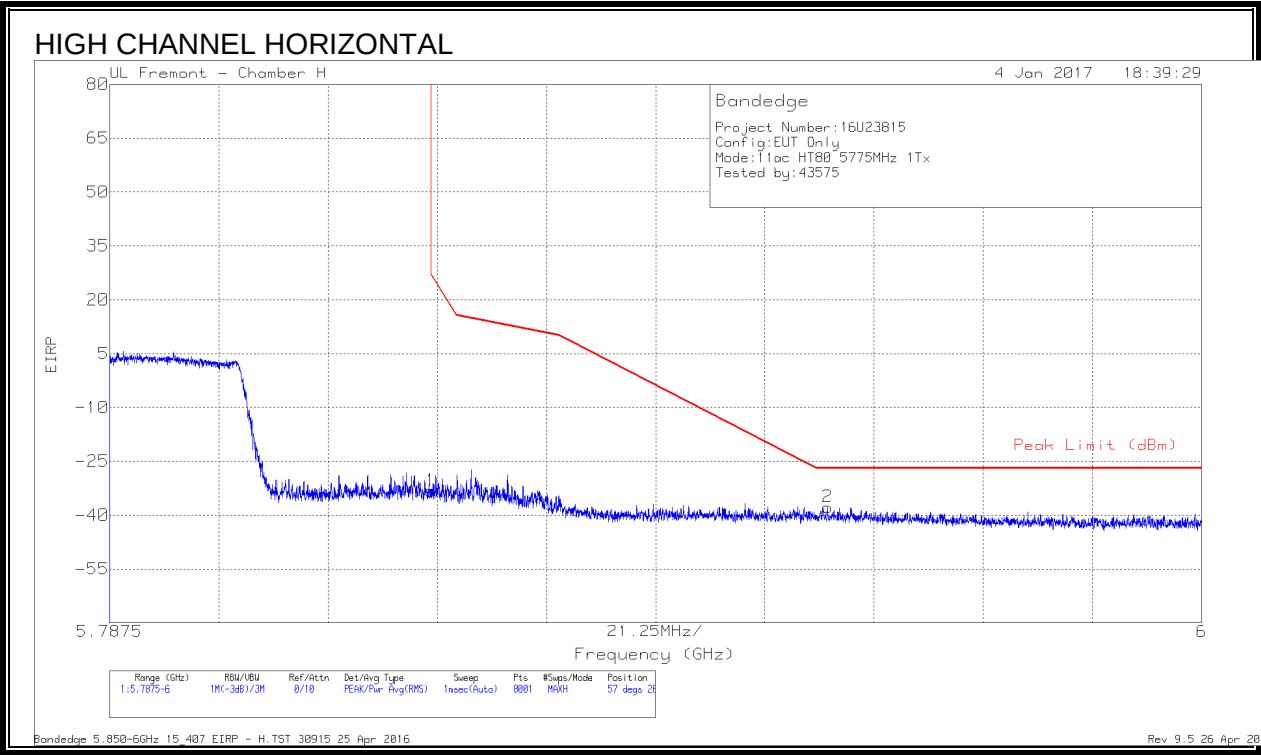
Pk - Peak detector



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	5.725	-49.75	Pk	34.9	-24.1	11.8	-27.15	26.97	-54.12	98	142	V
2	5.643	-55.01	Pk	34.7	-24.1	11.8	-32.61	-27	-5.61	98	142	V

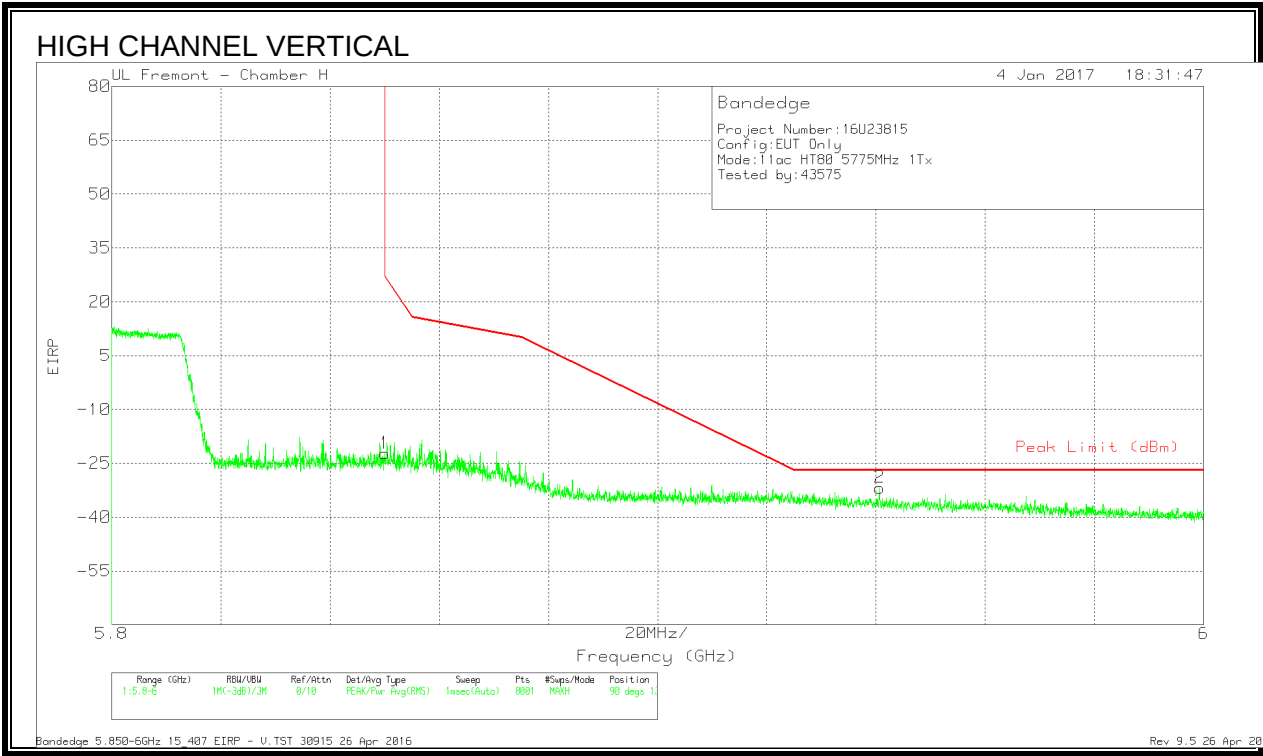
Pk - Peak detector

AUTHORIZED BANDEDGE (HIGH CHANNEL)



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	-56.13	Pk	35	-23.9	11.8	-33.23	26.99	-60.22	57	261	H
2	5.927	-61.08	Pk	35.2	-23.7	11.8	-37.78	-27	-10.78	57	261	H

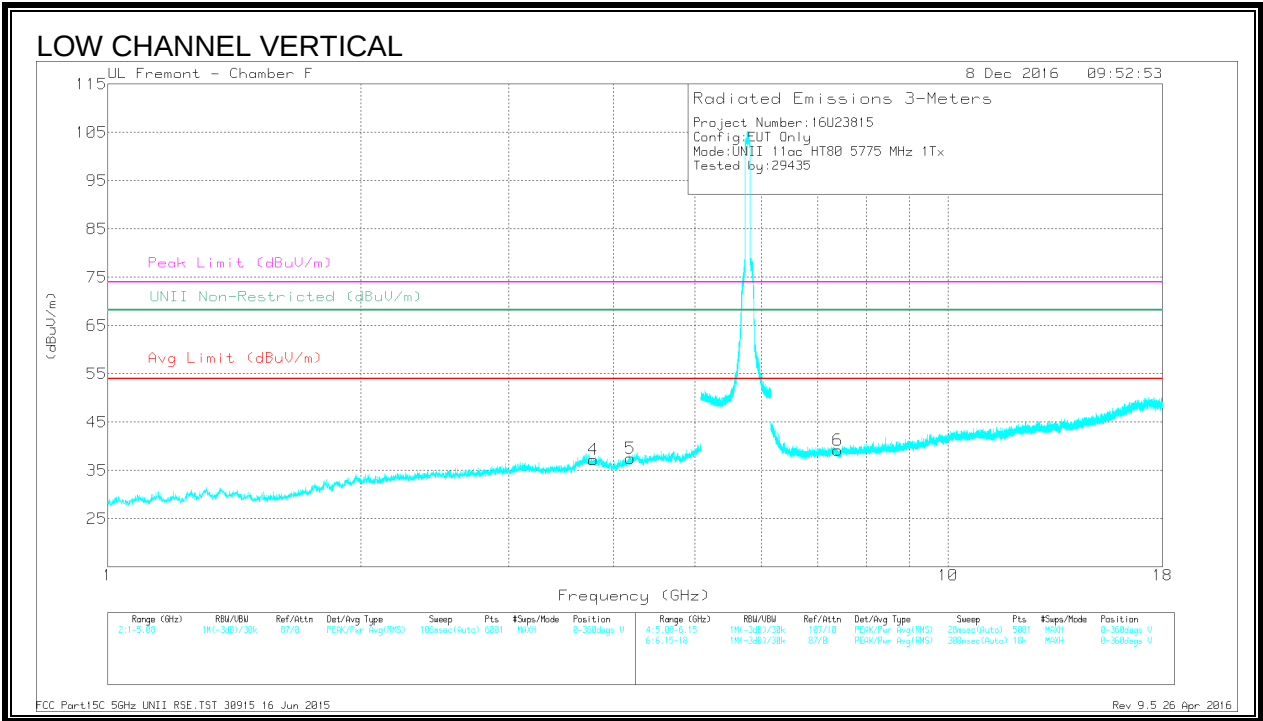
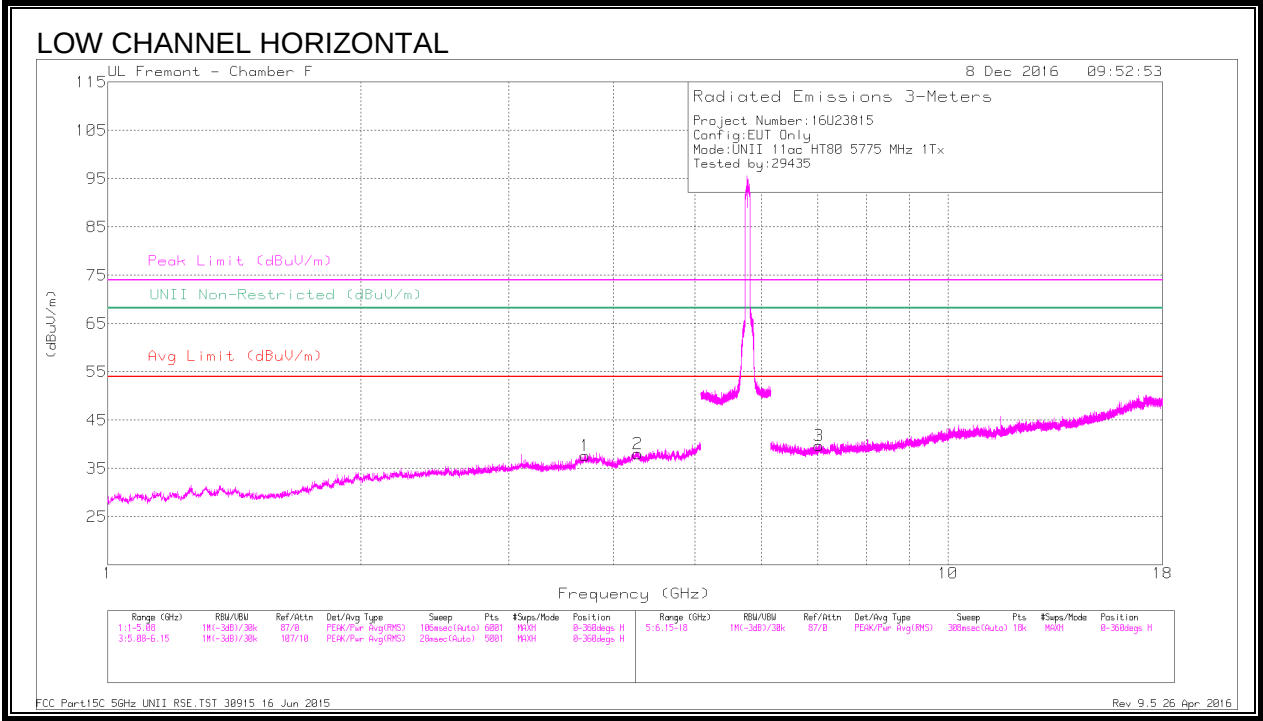
Pk - Peak detector



Trace Markers

Marker	Frequen cy (GHz)	Meter Reading (dBm)	Det	AFT120 (dB/m)	Amp/Cbl /Fltr/Pad (dB)	Conversi on Factor (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-45.15	Pk	35	-23.9	11.8	-22.25	26.94	-49.19	90	135	V
2	5.941	-54.99	Pk	35.2	-23.8	11.8	-31.79	-27	-4.79	90	135	V

Pk - Peak detector



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)	Polarization
1	* 3.701	39.09	PK-U	33.3	-28.9	0	43.49	-	-	74	-30.51	-	-	127	280	H
	* 3.7	27.72	ADR	33.3	-28.9	.19	32.31	54	-21.69	-	-	-	-	127	280	H
2	* 4.272	37.21	PK-U	33.7	-26.6	0	44.31	-	-	74	-29.69	-	-	5	279	H
	* 4.27	26.57	ADR	33.7	-26.5	.19	33.96	54	-20.04	-	-	-	-	5	279	H
4	* 3.783	39.14	PK-U	33.4	-29.4	0	43.14	-	-	74	-30.86	-	-	266	182	V
	* 3.782	27.84	ADR	33.4	-29.4	.19	32.03	54	-21.97	-	-	-	-	266	182	V
5	* 4.192	38.62	PK-U	33.7	-28.8	0	43.52	-	-	74	-30.48	-	-	131	251	V
	* 4.191	27.69	ADR	33.7	-28.8	.19	32.78	54	-21.22	-	-	-	-	131	251	V
3	7.022	29.79	PK	35.6	-25.7	0	39.69	-	-	-	-	68.2	-28.51	0-360	201	H
6	* 7.39	36.35	PK-U	35.6	-26.2	0	45.75	-	-	74	-28.25	-	-	190	193	V
	* 7.392	25.85	ADR	35.6	-26.2	.19	35.44	54	-18.56	-	-	-	-	190	193	V

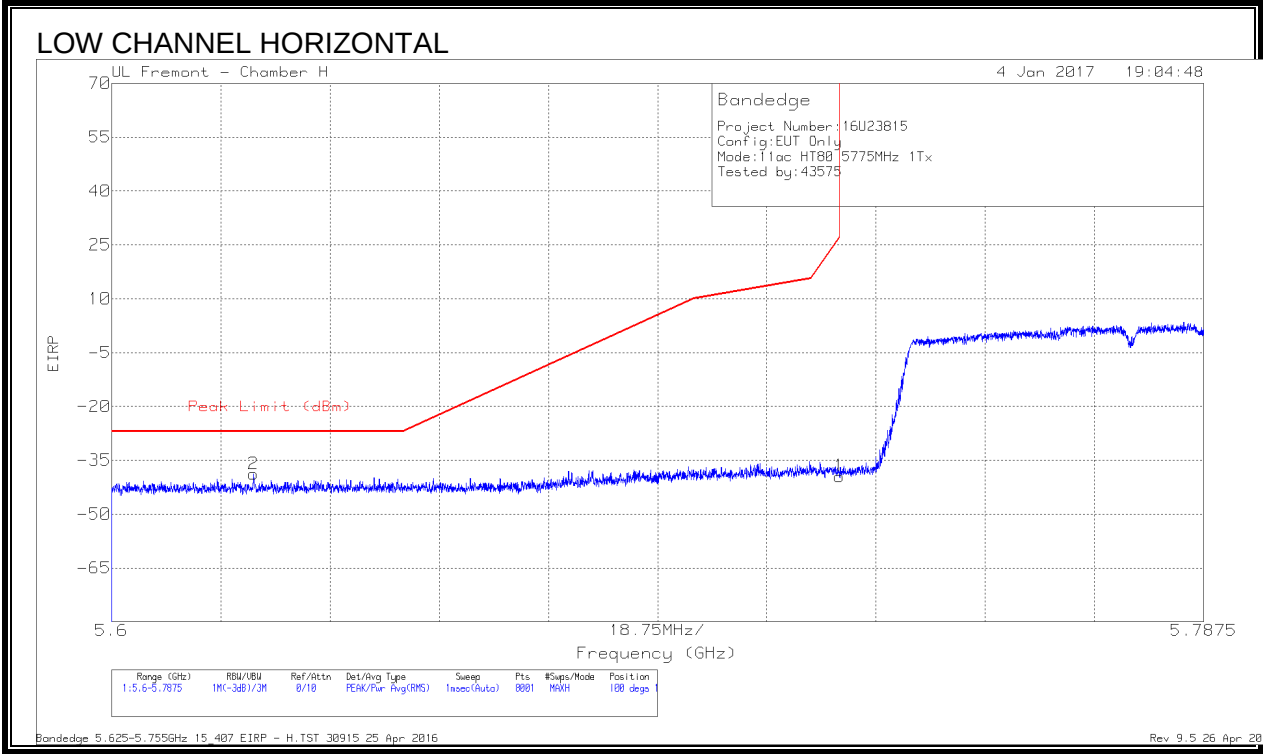
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

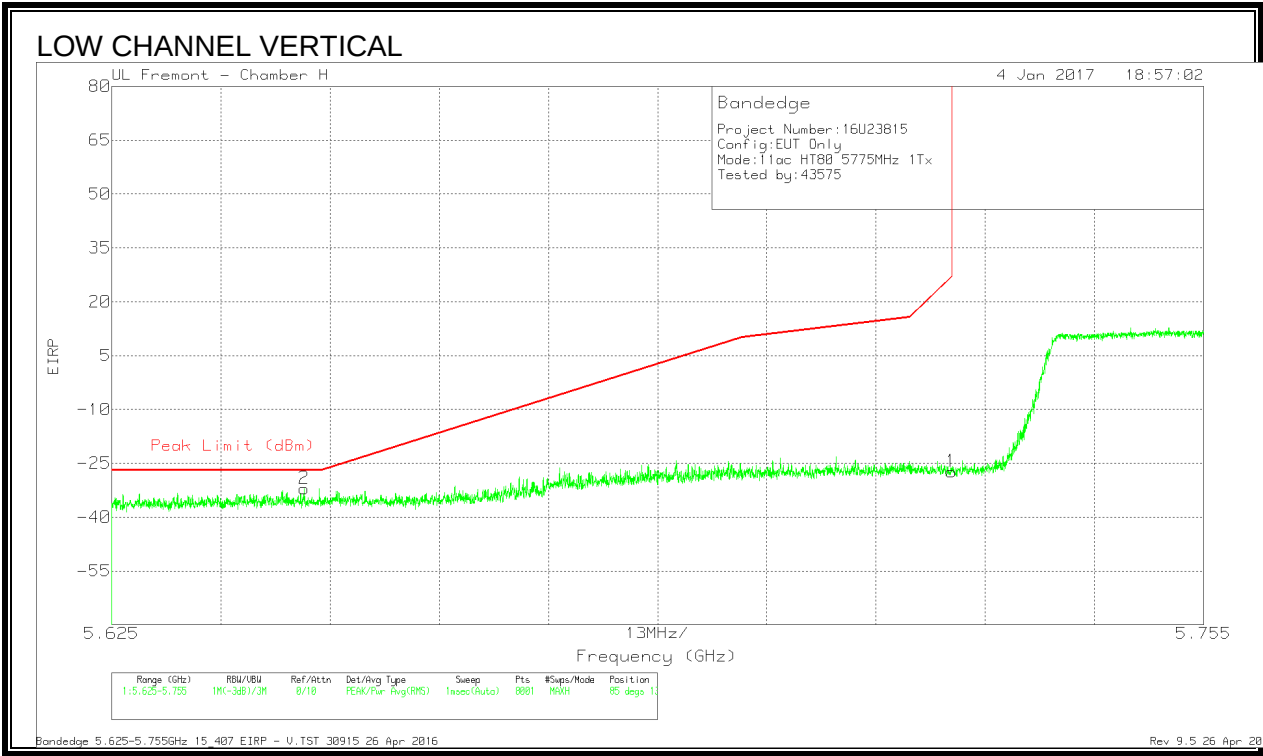
9.2.44. 11ac HT80 ANTENNA B SISO MODE IN THE 5.8GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequen cy (GHz)	Meter Reading (dBm)	Det	AF T120 (dB/m)	Amp/Cbl /Fltr/Pa d (dB)	Conversi on Factor (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-62.04	Pk	34.9	-24.1	11.8	-39.44	26.99	-66.43	100	198	H
2	5.624	-61.3	Pk	34.7	-24	11.8	-38.8	-27	-11.8	100	198	H

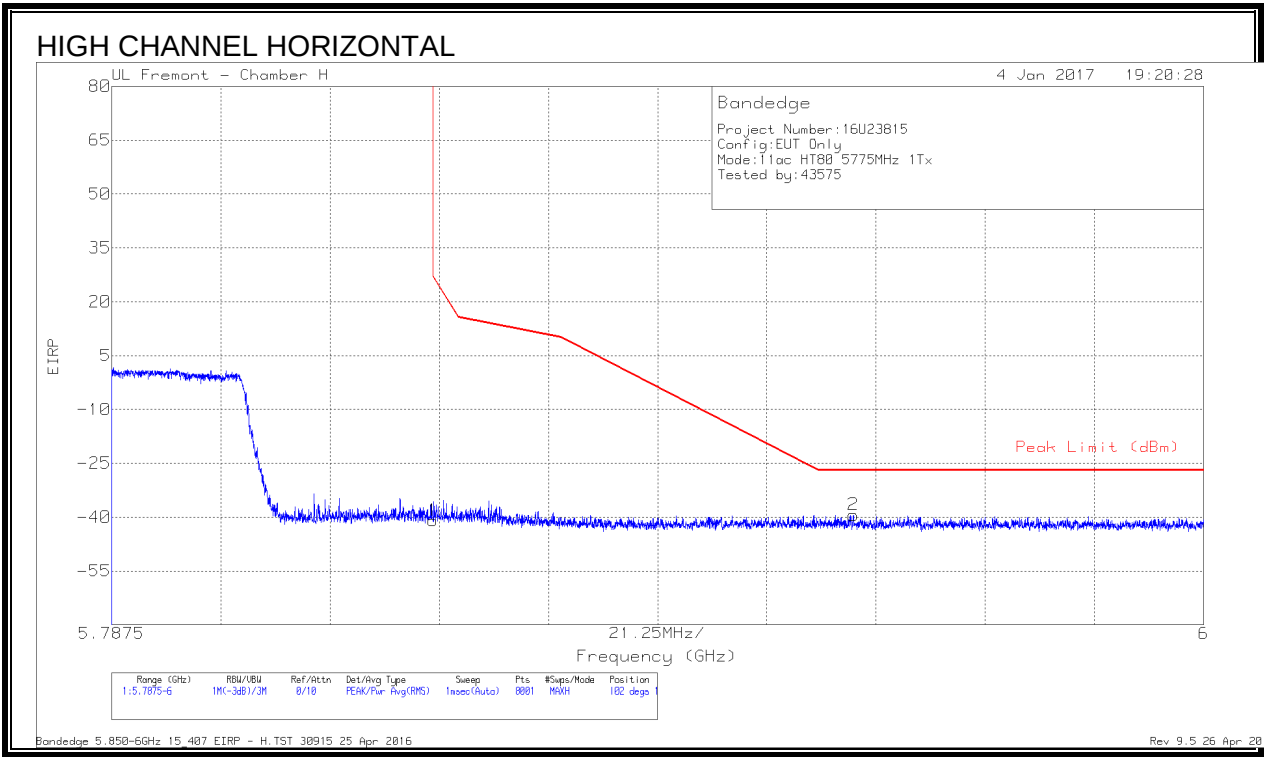
Pk - Peak detector



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	5.725	-49.92	Pk	34.9	-24.1	11.8	-27.32	26.97	-54.29	85	134	V
2	5.648	-54.29	Pk	34.7	-24.2	11.8	-31.99	-27	-4.99	85	134	V

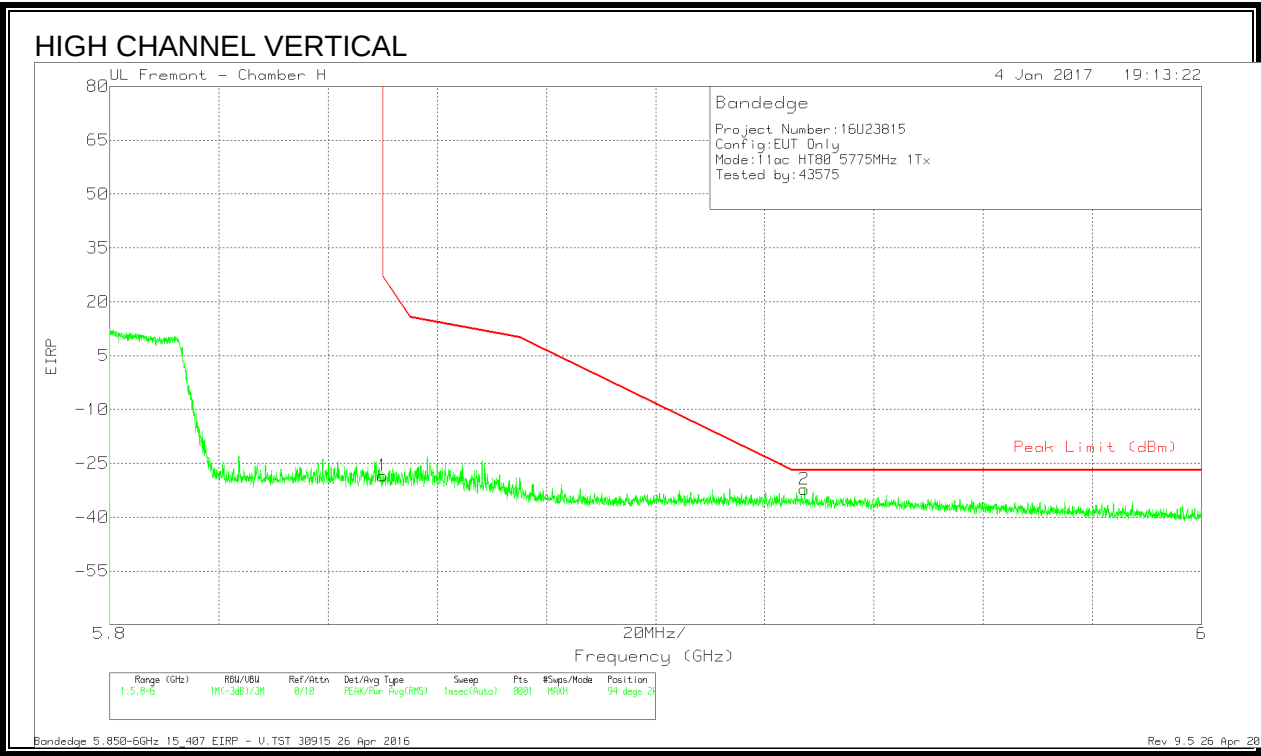
Pk - Peak detector

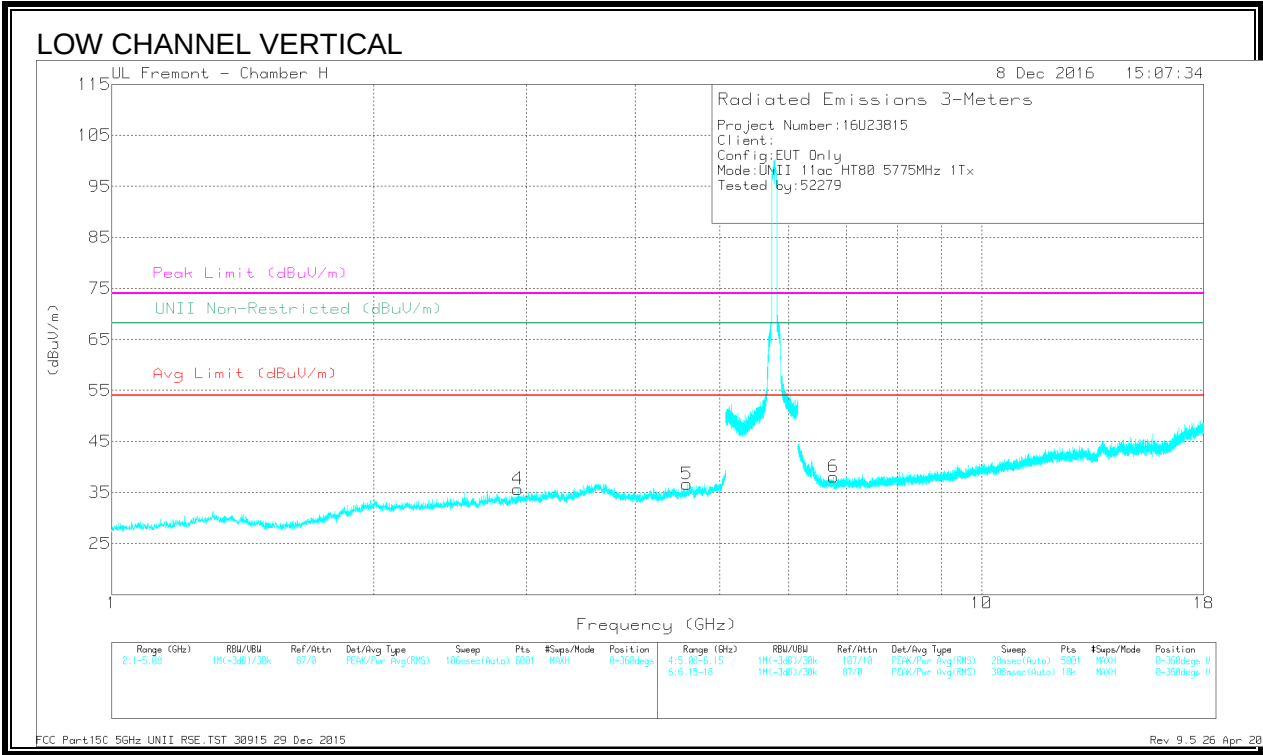
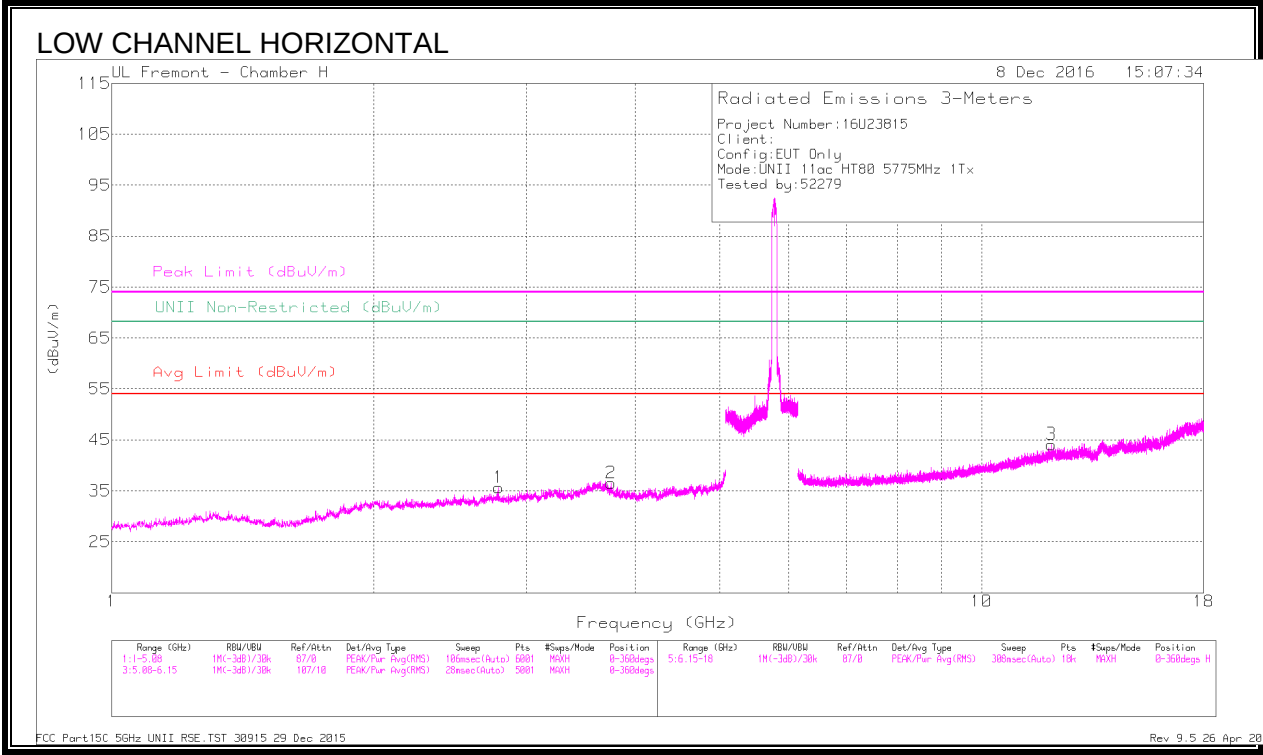
AUTHORIZED BANDEDGE (HIGH CHANNEL)



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	-63.85	Pk	35	-23.9	11.8	-40.95	26.99	-67.94	102	100	H
2	5.932	-62.7	Pk	35.2	-23.7	11.8	-39.4	-27	-12.4	102	100	H

Pk - Peak detector



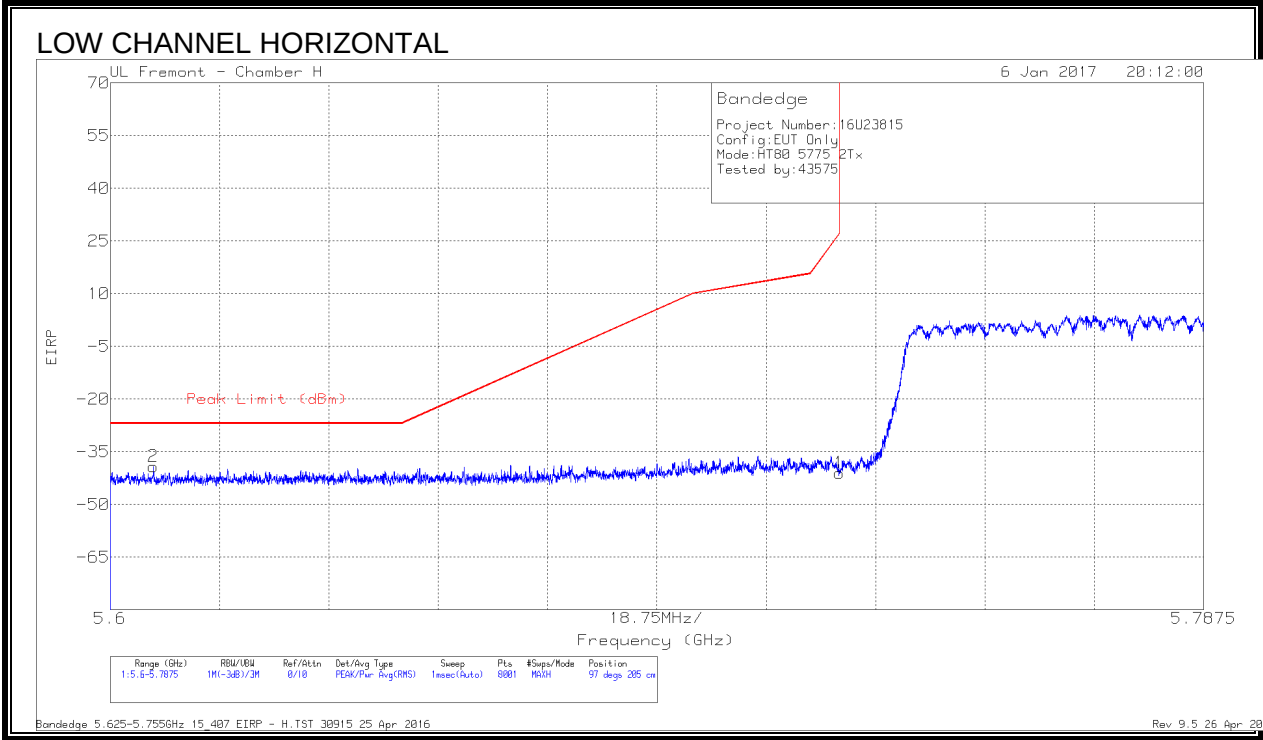


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl /Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.784	47.07	PK2	32.6	-37.8	0	41.87	-	-	74	-32.13	-	-	238	164	H
	* 2.786	35.1	MAv1	32.6	-37.7	.19	30.19	54	-23.81	-	-	-	-	238	164	H
2	* 3.749	43.46	PK2	34.5	-35.8	0	42.16	-	-	74	-31.84	-	-	334	247	H
	* 3.75	32.74	MAv1	34.5	-35.7	.19	31.73	54	-22.27	-	-	-	-	334	247	H
3	* 12.031	36.04	PK2	39.3	-26.3	0	49.04	-	-	74	-24.96	-	-	125	305	H
	* 12.032	25.18	MAv1	39.3	-26.3	.19	38.37	54	-15.63	-	-	-	-	125	305	H
4	2.932	46.3	PK2	32.9	-37.7	0	41.5	-	-	-	-	68.2	-26.7	347	352	V
5	* 4.585	42.84	PK2	34	-34.7	0	42.14	-	-	74	-31.86	-	-	354	328	V
	* 4.582	32.11	MAv1	34	-34.8	.19	31.50	54	-22.50	-	-	-	-	354	328	V
6	6.763	40.48	PK2	35.7	-31.7	0	44.48	-	-	-	-	68.2	-23.72	287	336	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK2 - KDB558074 Method: Maximum Peak
MAv1 - KDB558074 Option 1 Maximum RMS Average

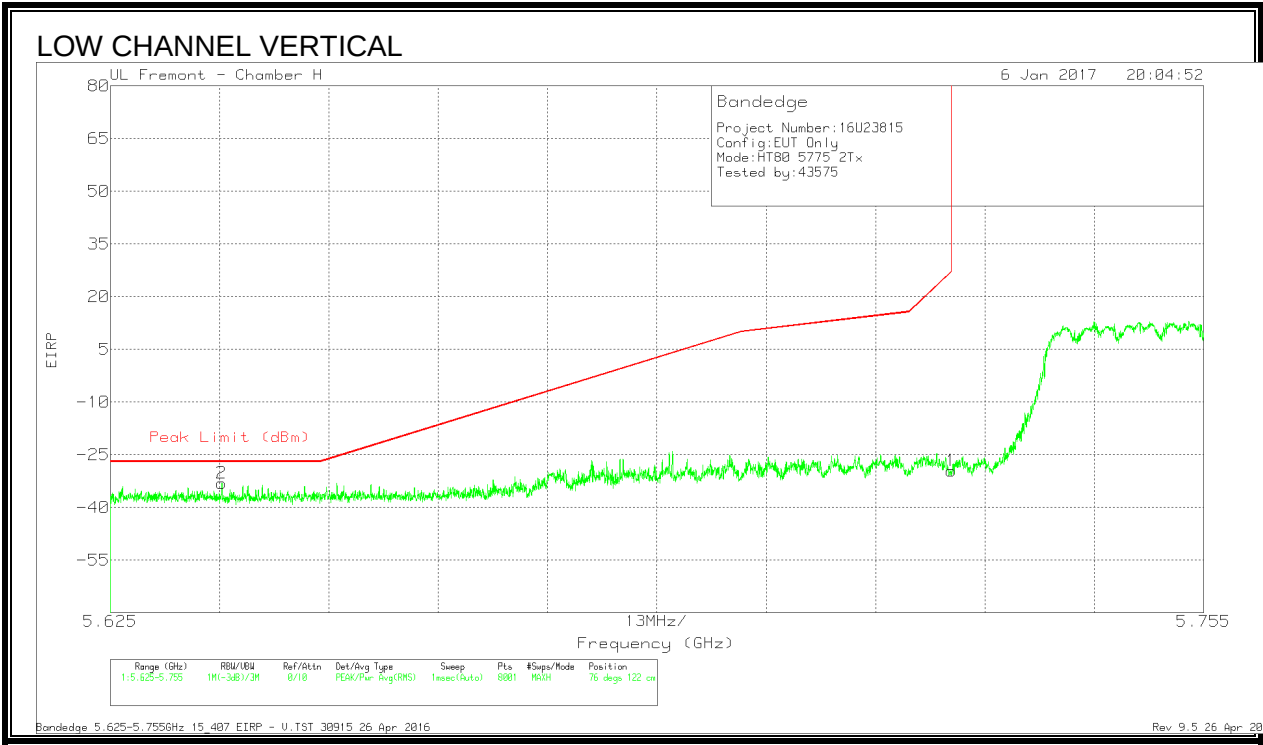
9.2.45. 11ac HT80 2TX CDD MIMO MODE IN THE 5.8GHz BAND

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	5.607	-61.64	Pk	34.6	-24	11.8	-39.24	-27	-12.24	97	205	H
1	5.725	-63.61	Pk	34.9	-24.1	11.8	-41.01	26.99	-68	97	205	H

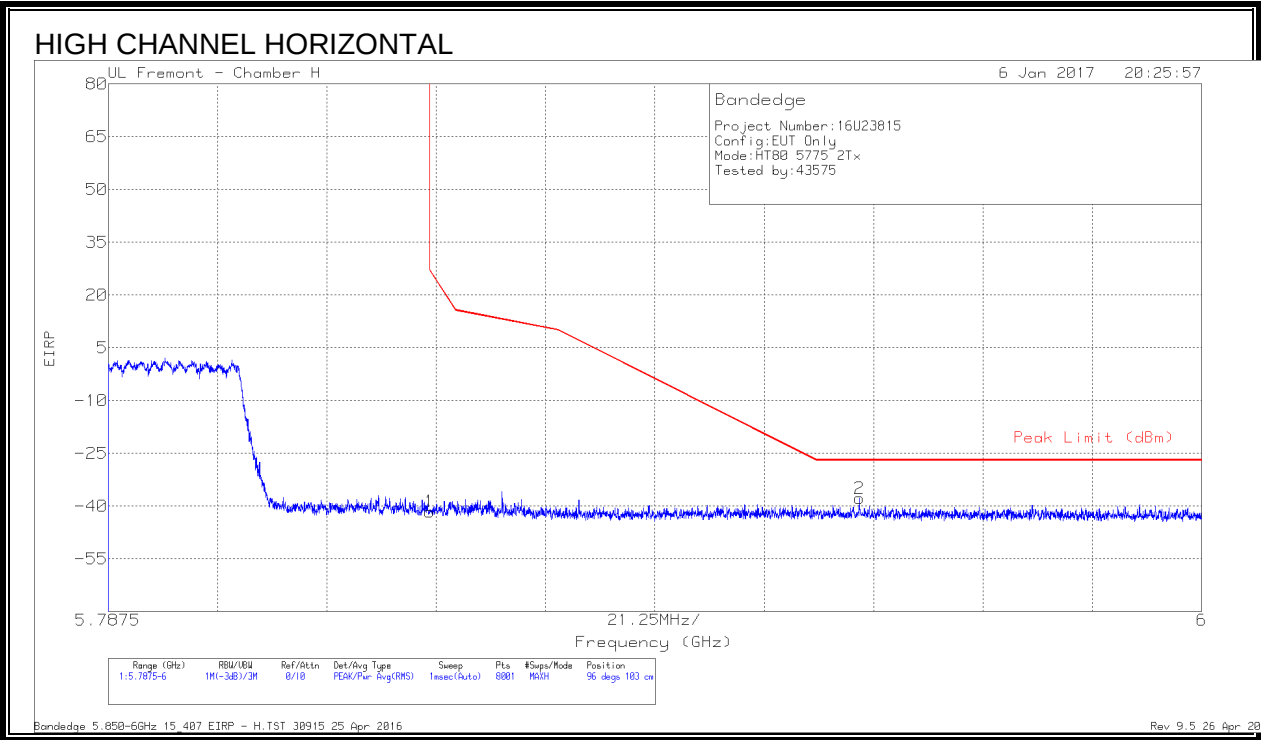
Pk - Peak detector



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
2	5.638	-55.44	Pk	34.7	-24.2	11.8	-33.14	-27	-6.14	76	122	V
1	5.725	-52.26	Pk	34.9	-24.1	11.8	-29.66	26.97	-56.63	76	122	V

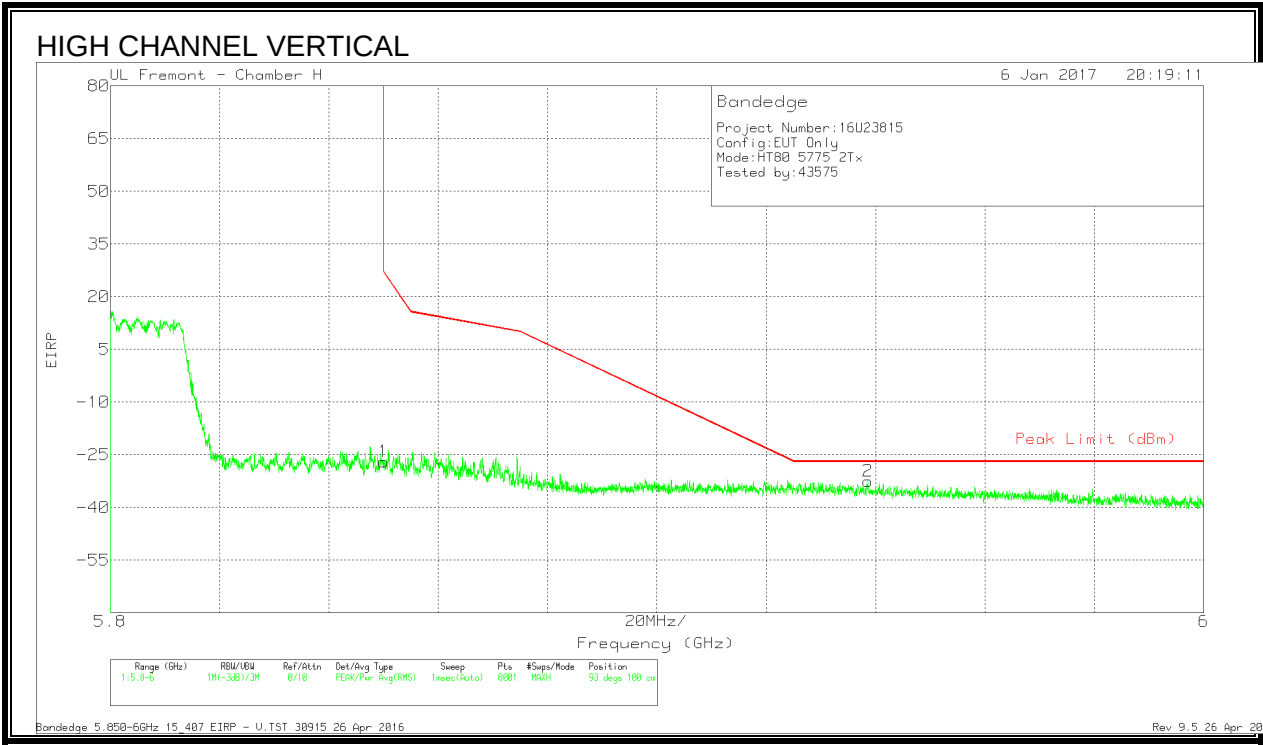
Pk - Peak detector

RESTRICTED BANDEDGE (HIGH CHANNEL)



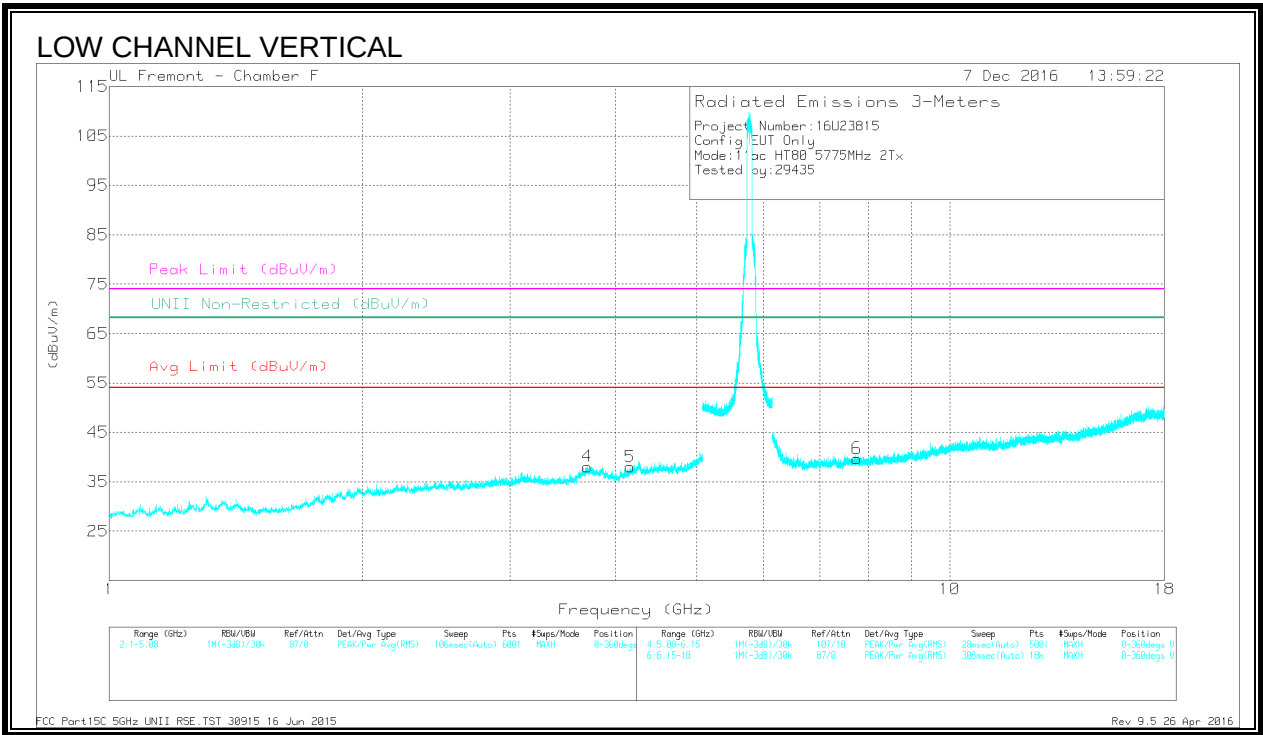
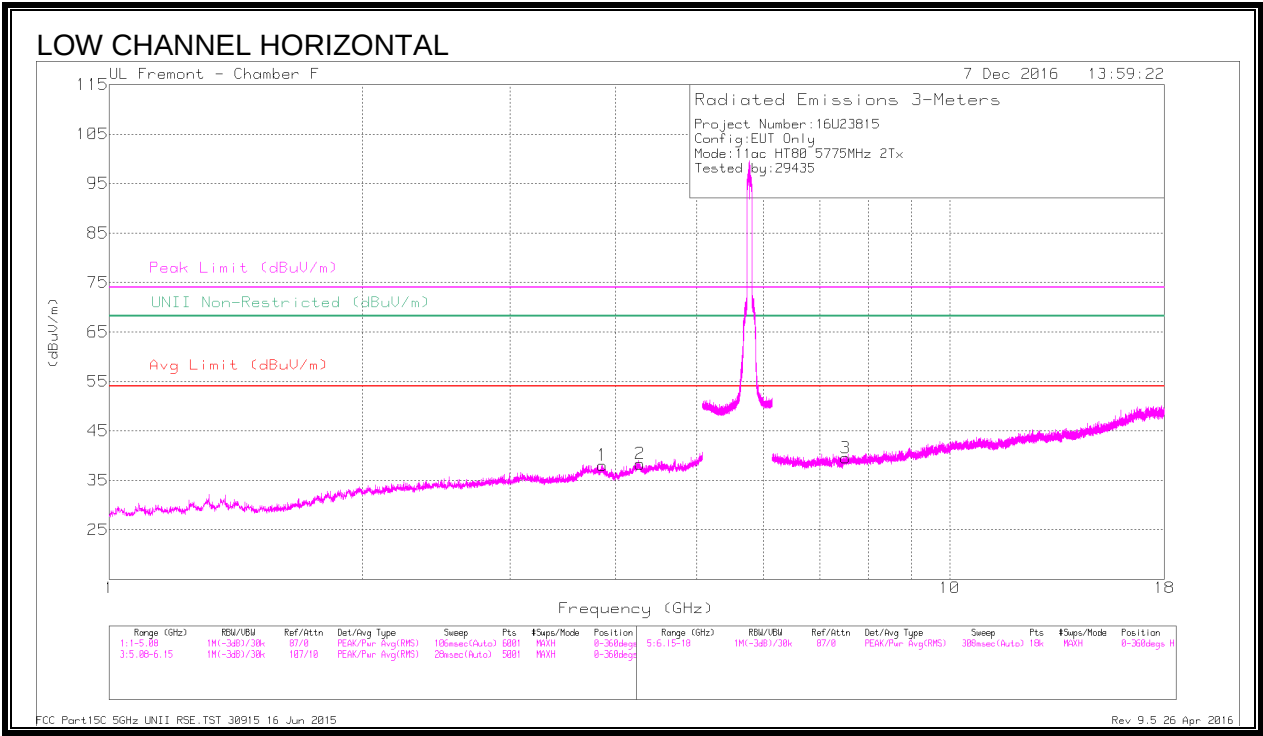
Marker	Frequen cy (GHz)	Meter Reading (dBm)	Det	AF T120 (dB/m)	Amp/Cbl /Fltr/Pad (dB)	Conversi on Factor (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-64.48	Pk	35	-23.9	11.8	-41.58	26.99	-68.57	96	103	H
2	5.934	-61.13	Pk	35.2	-23.7	11.8	-37.83	-27	-10.83	96	103	H

Pk - Peak detector



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	-49.97	Pk	35	-23.9	11.8	-27.07	26.94	-54.01	93	100	V
2	5.939	-55.81	Pk	35.2	-23.7	11.8	-32.51	-27	-5.51	93	100	V

Pk - Peak detector



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	* 3.862	38.21	PK-U	33.4	-28.5	0	43.11	-	-	74	-30.89	-	-	197	266	H
	* 3.861	27.83	ADR	33.4	-28.4	.2	33.03	54	-20.97	-	-	-	-	197	266	H
2	* 4.281	37.23	PK-U	33.7	-26.9	0	44.03	-	-	74	-29.97	-	-	151	159	H
	* 4.283	26.83	ADR	33.7	-26.9	.2	33.83	54	-20.17	-	-	-	-	151	159	H
3	* 7.519	35.54	PK-U	35.6	-25	0	46.14	-	-	74	-27.86	-	-	352	234	H
	* 7.521	25.11	ADR	35.6	-25	.2	35.91	54	-18.09	-	-	-	-	352	234	H
4	* 3.702	39.09	PK-U	33.3	-28.9	0	43.49	-	-	74	-30.51	-	-	291	391	V
	* 3.702	27.72	ADR	33.3	-28.9	.2	32.32	54	-21.68	-	-	-	-	291	391	V
5	* 4.167	38.65	PK-U	33.7	-29.1	0	43.25	-	-	74	-30.75	-	-	53	239	V
	* 4.166	28.16	ADR	33.7	-29.1	.2	32.96	54	-21.04	-	-	-	-	53	239	V
6	7.752	29.88	PK	35.7	-25.9	0	39.68	-	-	-	-	68.2	-28.52	0-360	100	V

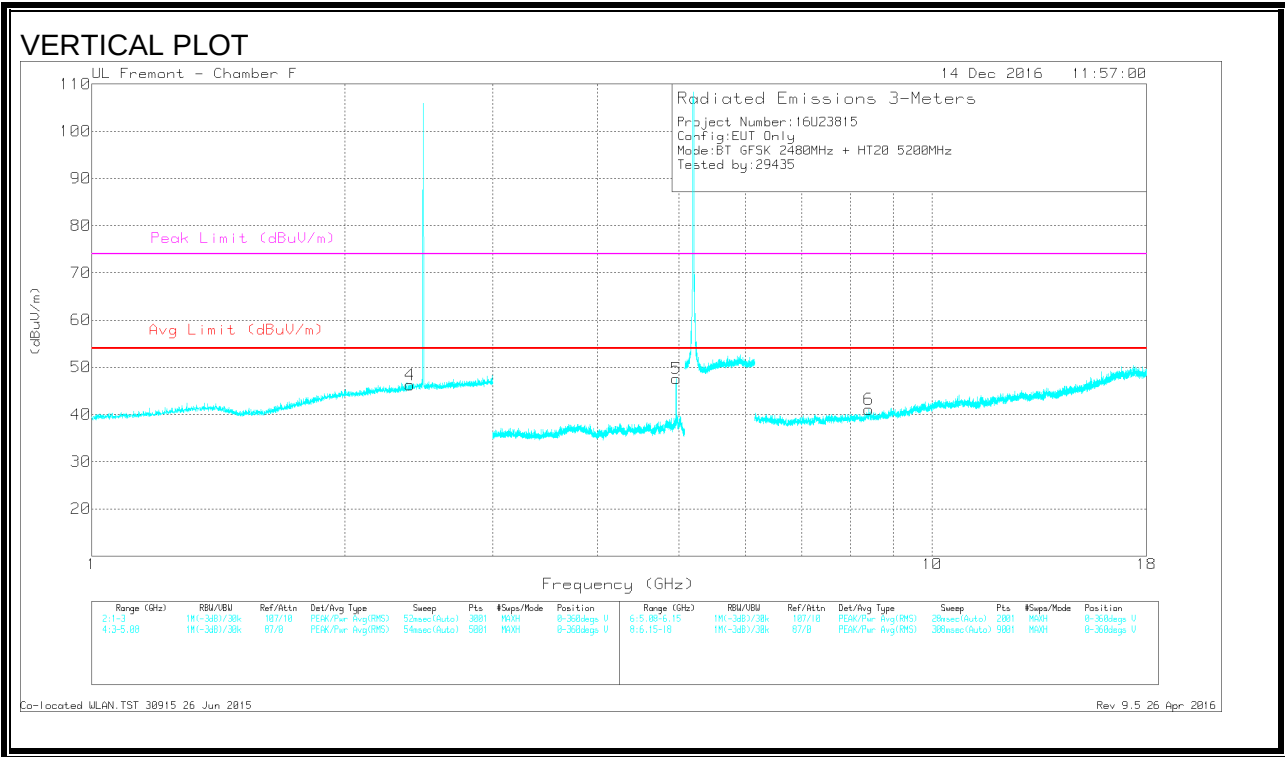
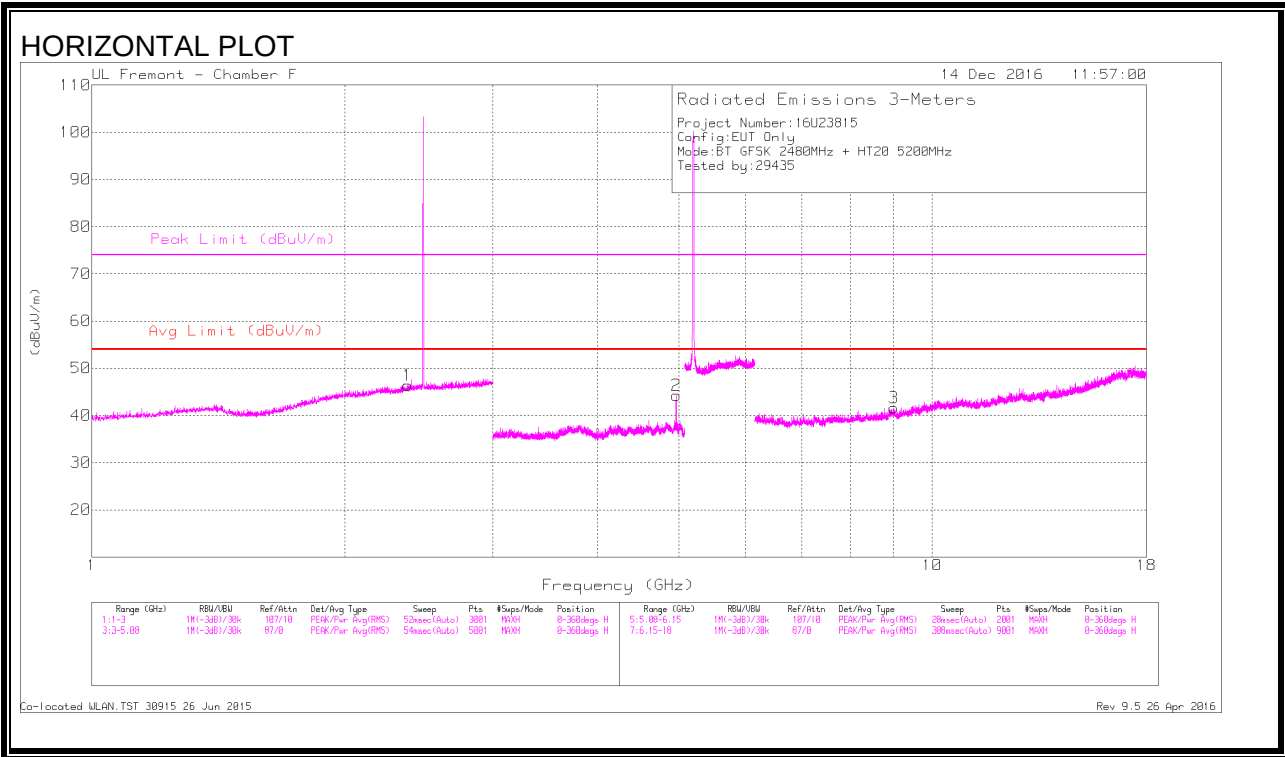
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

9.3. WORST-CASE CO-LOCATION

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



DATA

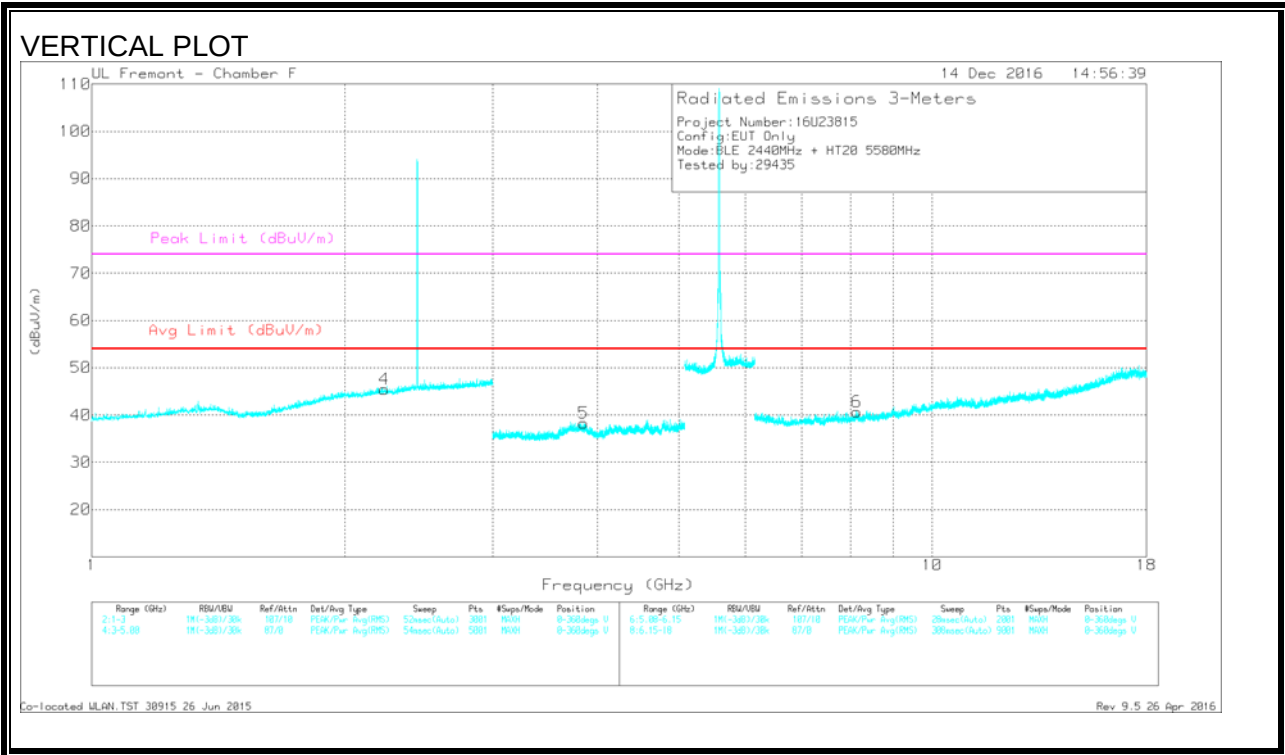
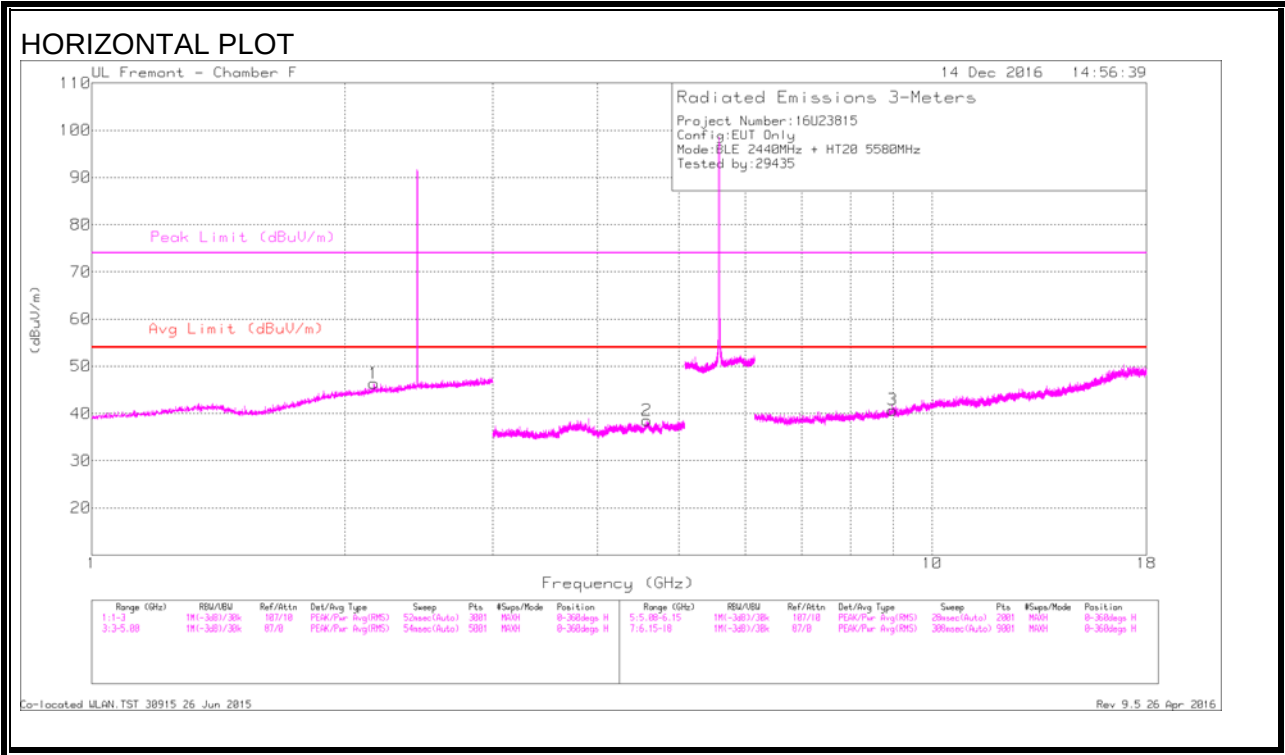
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT344 (dB/m)	Amp/Cb I/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.379	42.04	PK-U	32.1	-20.9	53.24	53.97	-.73	74	-20.76	301	168	H
	* 2.377	30.53	ADR	32.1	-20.9	41.73	-	-	-	-	301	168	H
4	2.393	41.13	PK-U	32.2	-20.9	52.43	53.97	-1.54	74	-21.57	30	282	V
	2.391	30.55	ADR	32.1	-20.9	41.75	-	-	-	-	30	282	V
2	* 4.96	42.53	PK-U	34.2	-28.5	48.23	53.97	-5.74	74	-25.77	80	100	H
	* 4.96	35.6	ADR	34.2	-28.5	41.3	-	-	-	-	80	100	H
5	* 4.96	45.73	PK-U	34.2	-28.5	51.43	53.97	-2.54	74	-22.57	83	339	V
	* 4.96	39.57	ADR	34.2	-28.5	45.27	-	-	-	-	83	339	V
3	* 9.005	34.08	PK-U	35.9	-22.7	47.28	53.97	-6.69	74	-26.72	19	264	H
	* 9.006	23.73	ADR	35.9	-22.7	36.93	-	-	-	-	19	264	H
6	* 8.417	34.57	PK-U	35.7	-23.9	46.37	53.97	-7.6	74	-27.63	49	355	V
	* 8.416	24.16	ADR	35.7	-23.9	35.96	-	-	-	-	49	355	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

BLUETOOTH LOW ENERGY AND 802.11 HT20 2Tx CDD MODE IN THE 5.6GHz BAND



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT344 (dB/m)	Amp/Cb l/Filtr/P ad (dB)	Correct ed Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.169	41.57	PK-U	31.8	-21.1	52.27	53.97	-1.7	74	-21.73	22	143	H
	2.167	30.37	ADR	31.7	-21.1	40.97	-	-	-	-	22	143	H
4	* 2.229	42.62	PK-U	31.8	-21	53.42	53.97	-5.55	74	-20.58	178	170	V
	* 2.227	30.31	ADR	31.8	-20.9	41.21	-	-	-	-	178	170	V
2	* 4.579	38.02	PK-U	34.1	-27.8	44.32	53.97	-9.65	74	-29.68	114	213	H
	* 4.58	27.28	ADR	34.1	-27.8	33.58	-	-	-	-	114	213	H
5	* 3.852	39.39	PK-U	33.4	-28.2	44.59	53.97	-9.38	74	-29.41	99	316	V
	* 3.852	27.75	ADR	33.4	-28.2	32.95	-	-	-	-	99	316	V
3	8.985	35.04	PK-U	35.9	-22.9	48.04	53.97	-5.93	74	-25.96	9	271	H
	8.983	23.63	ADR	35.9	-22.9	36.63	-	-	-	-	9	271	H
6	* 8.141	34.98	PK-U	35.7	-24.3	46.38	53.97	-7.59	74	-27.62	335	299	V
	* 8.14	24.74	ADR	35.7	-24.3	36.14	-	-	-	-	335	299	V

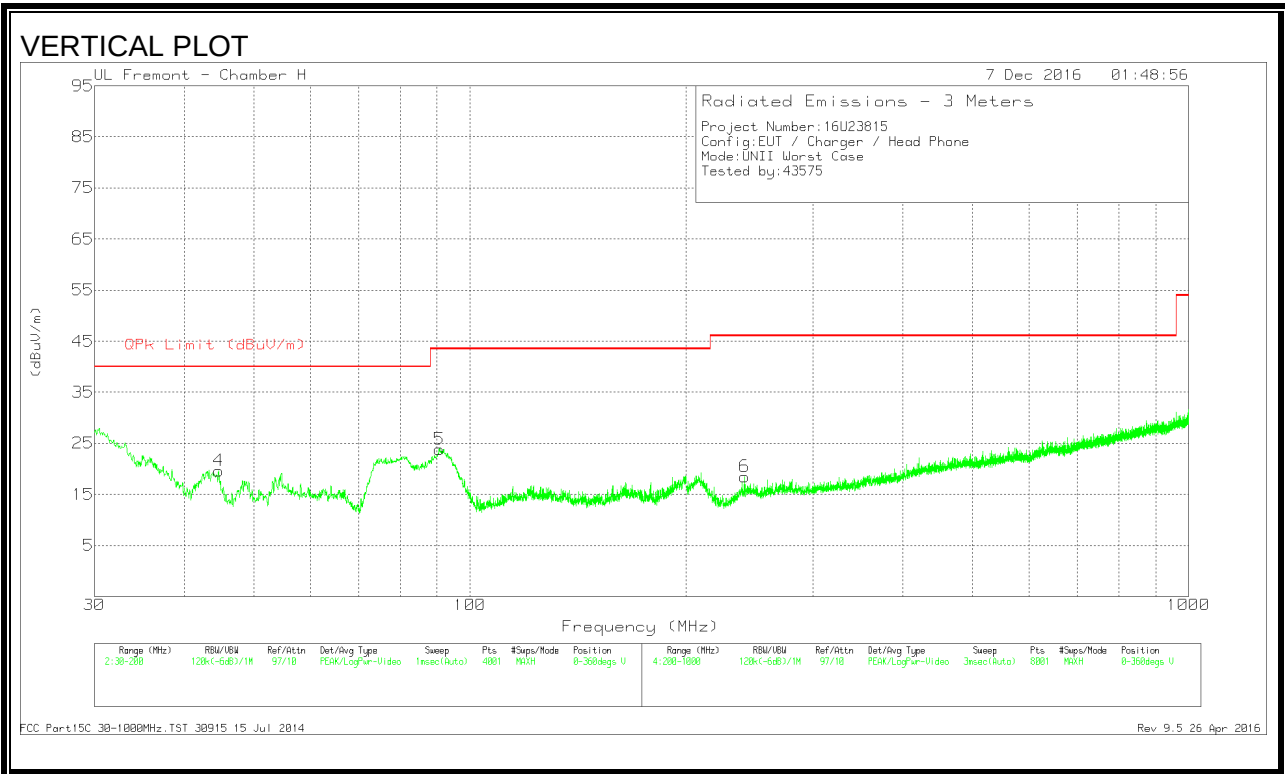
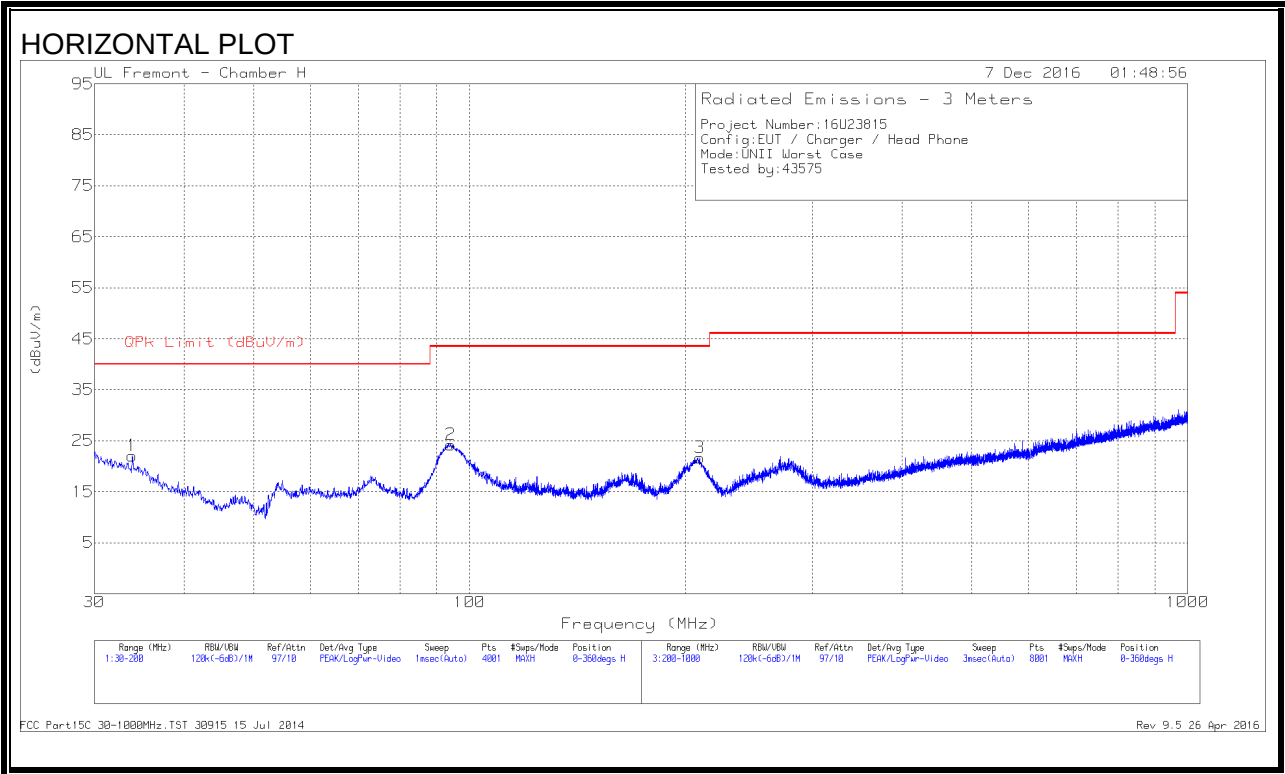
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

9.4. WORST-CASE BELOW 1 GHz

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



DATA

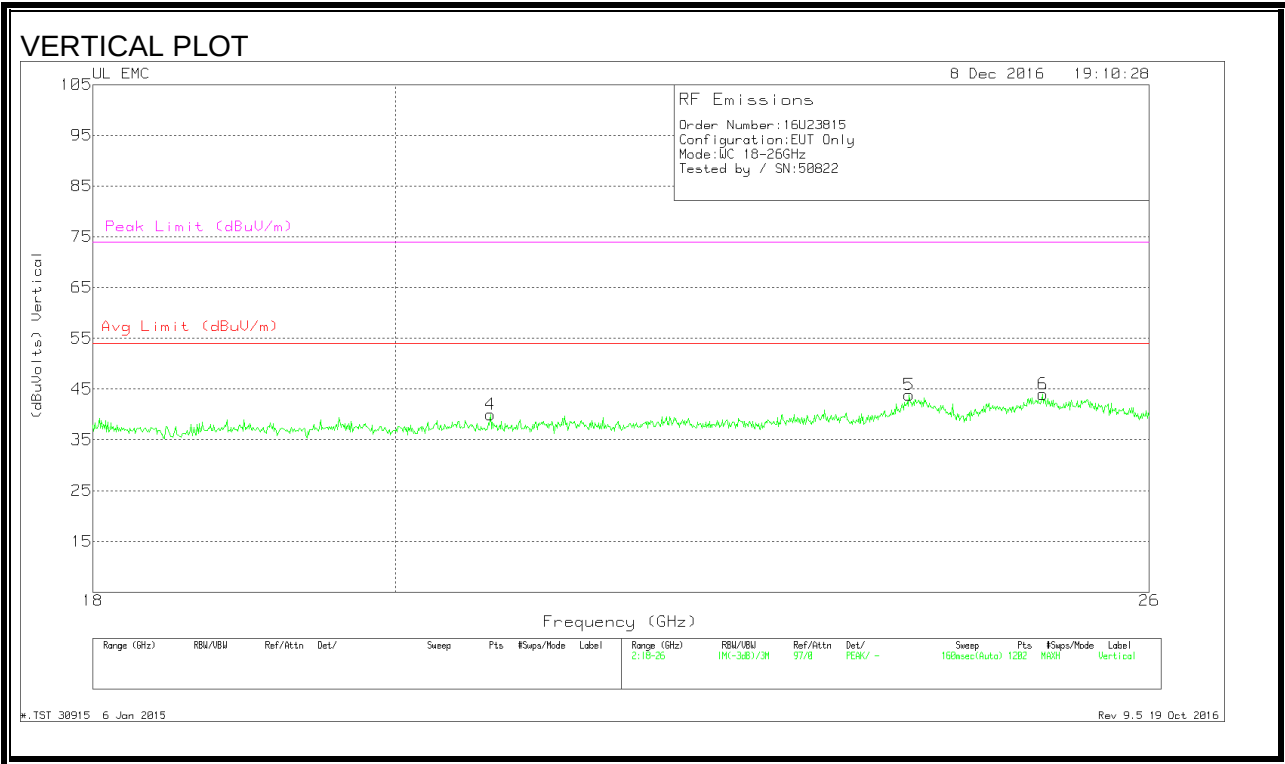
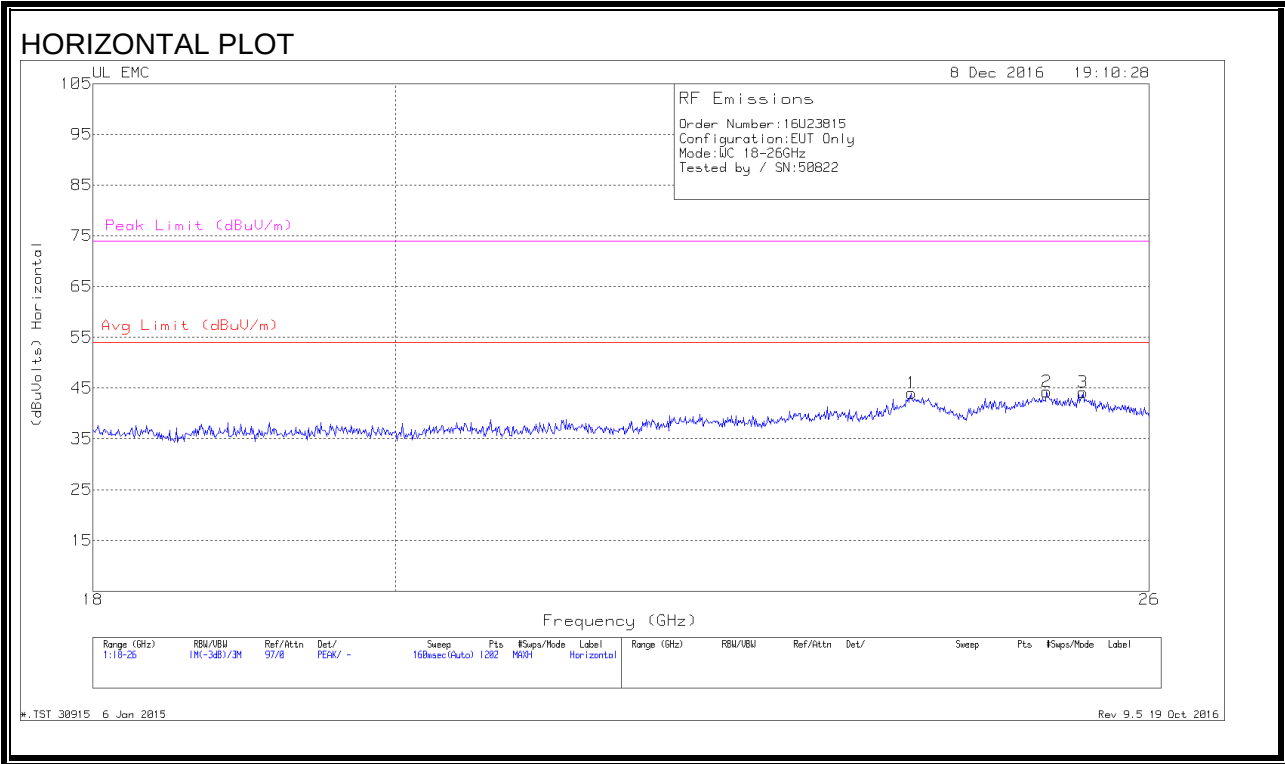
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T407 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6	* 241	32.31	Pk	15.5	-29.4	18.41	46.02	-27.61	0-360	201	V
1	33.91	30.98	Pk	22.4	-31.3	22.08	40	-17.92	0-360	399	H
4	44.705	36.21	Pk	14.5	-31.1	19.61	40	-20.39	0-360	100	V
5	90.69	42.67	Pk	11.8	-30.6	23.87	43.52	-19.65	0-360	100	V
2	94.175	42.16	Pk	12.6	-30.5	24.26	43.52	-19.26	0-360	299	H
3	209.3	37.06	Pk	14.3	-29.7	21.66	43.52	-21.86	0-360	199	H

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

Pk - Peak detector

9.5. WORST-CASE 18 to 26 GHz

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



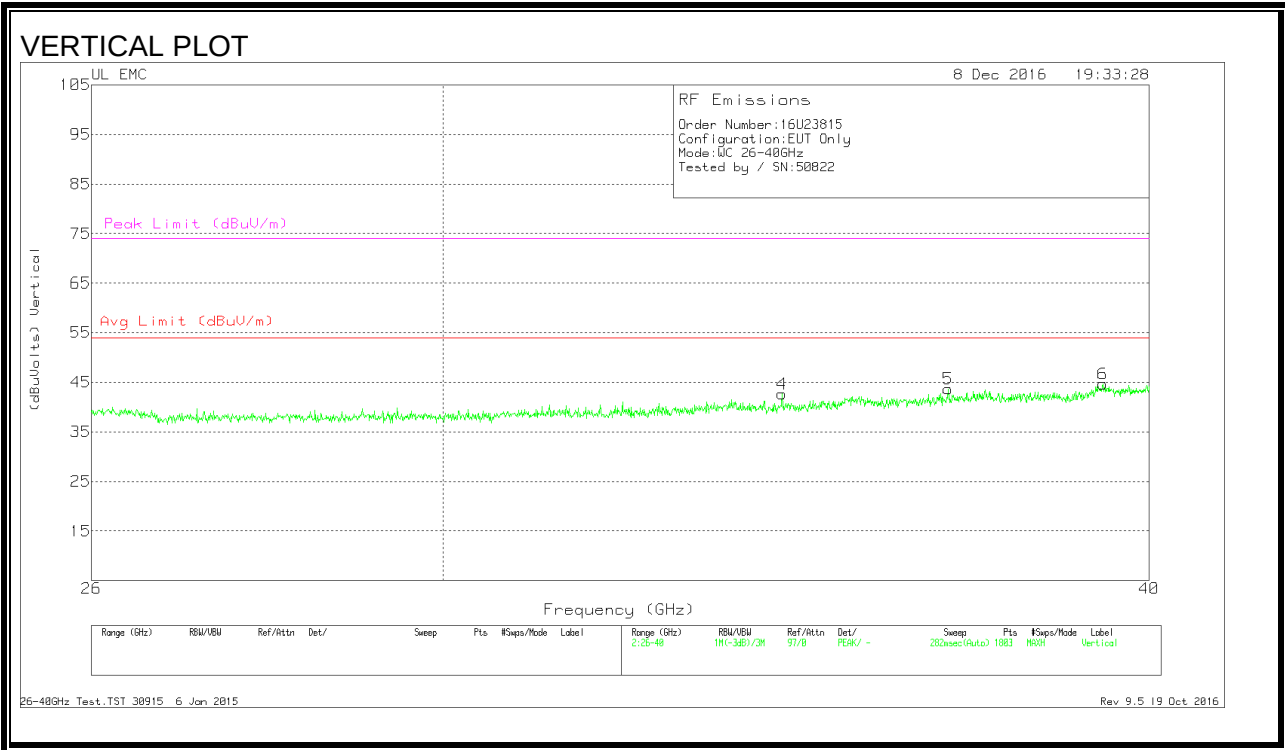
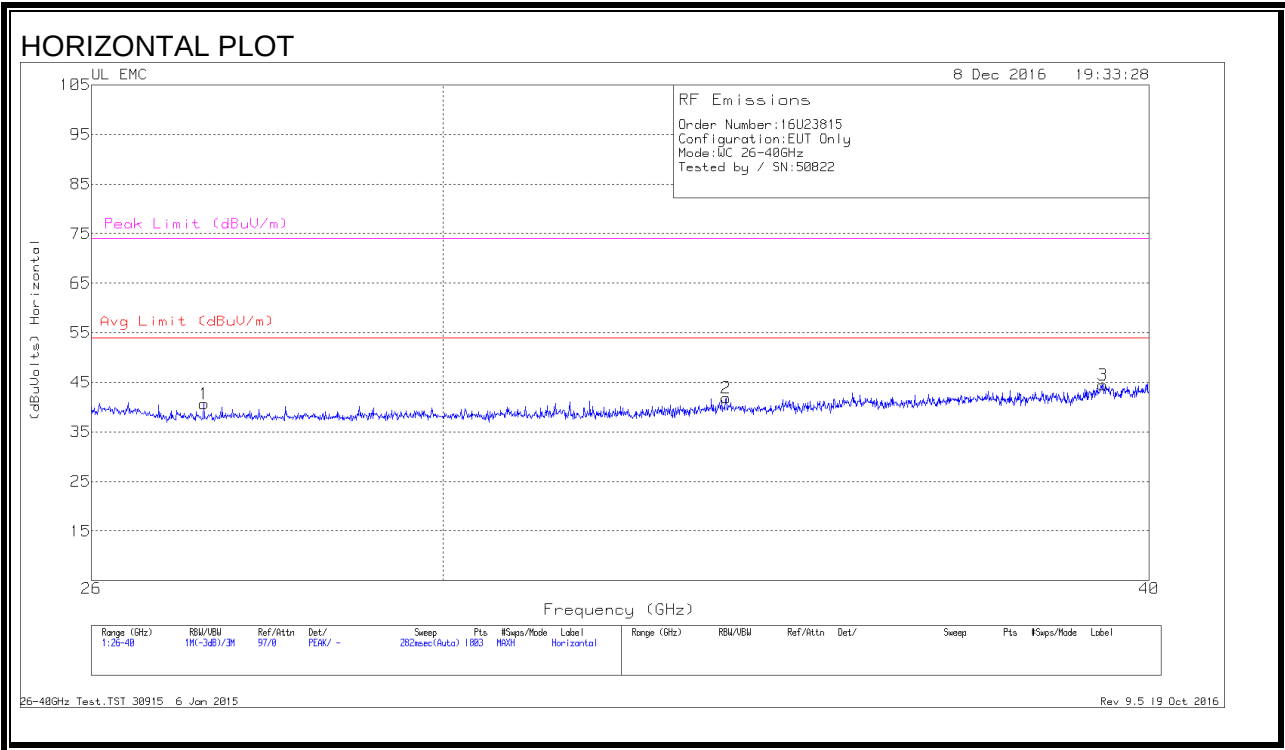
DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T449 (dB/m)	Amp/Cb I (dB)	Dist Corr (dB)	Corrected Reading (dBuVolts)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)
1	23.935	43.6	Pk	34	-24.1	-9.5	44	54	-10	74	-30
2	25.087	44.03	Pk	34.3	-24.5	-9.5	44.33	54	-9.67	74	-29.67
3	25.407	43.77	Pk	34.3	-24.4	-9.5	44.17	54	-9.83	74	-29.83
4	20.671	41.6	Pk	33	-25.1	-9.5	40	54	-14	74	-34
5	23.915	43.23	Pk	34	-23.9	-9.5	43.83	54	-10.17	74	-30.17
6	25.054	44.2	Pk	34.3	-25	-9.5	44	54	-10	74	-30

Pk - Peak detector

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/Cb I (dB)	Dist Corr (dB)	Corrected Reading (dBuVolts)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)
1	27.22	45.97	Pk	35.6	-31.4	-9.5	40.67	54	-13.33	74	-33.33
2	33.668	47.83	Pk	36.9	-33.4	-9.5	41.83	54	-12.17	74	-32.17
3	39.254	47.8	Pk	38.6	-32.4	-9.5	44.5	54	-9.5	74	-29.5
4	34.445	48.77	Pk	37.3	-33.9	-9.5	42.67	54	-11.33	74	-31.33
5	36.853	50.87	Pk	37.1	-34.8	-9.5	43.67	54	-10.33	74	-30.33
6	39.254	47.97	Pk	38.6	-32.4	-9.5	44.67	54	-9.33	74	-29.33

Pk - Peak detector

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.

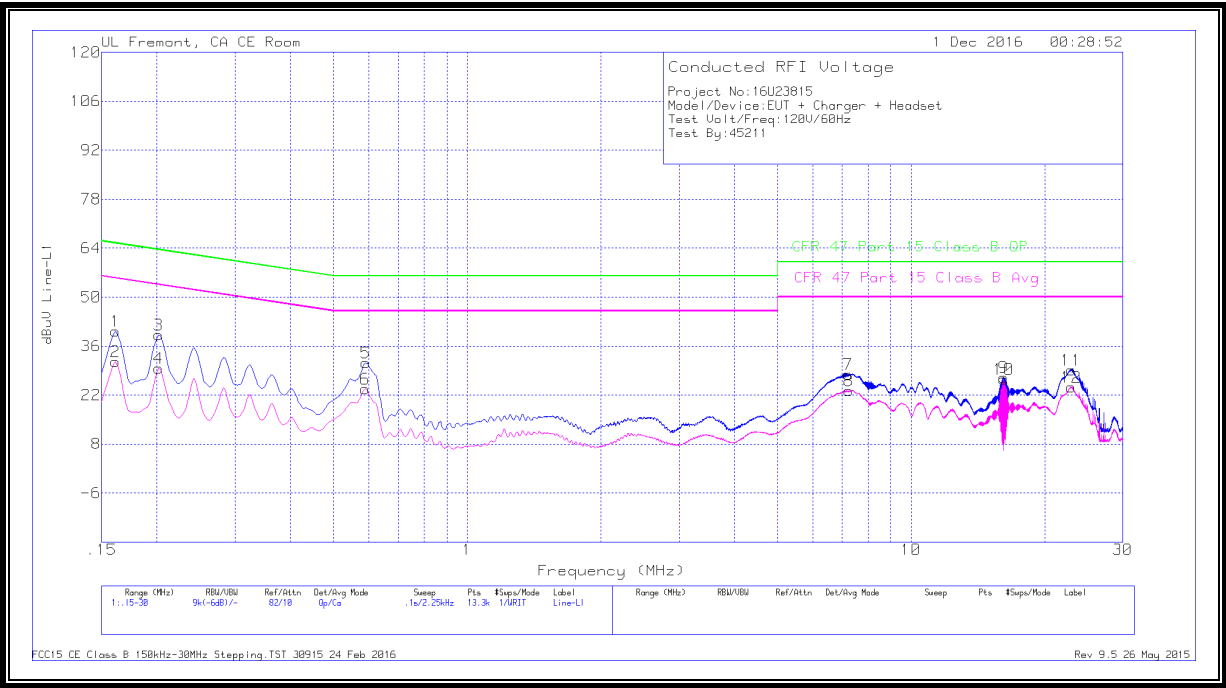
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

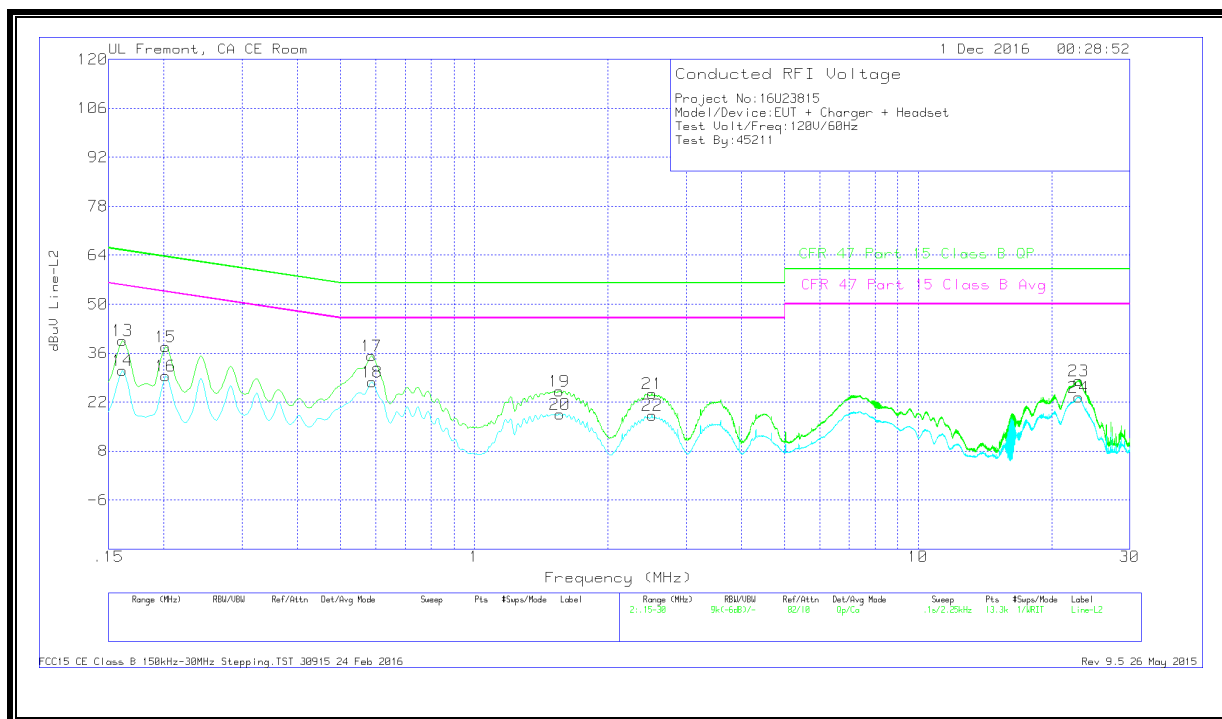


WORST EMISSIONS

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	30.11	Qp	0	0	10.1	40.21	65.4	-25.19	-	-
2	.16125	21.49	Ca	0	0	10.1	31.59	-	-	55.4	-23.81
3	.20175	29.06	Qp	0	0	10.1	39.16	63.54	-24.38	-	-
4	.20175	19.64	Ca	0	0	10.1	29.74	-	-	53.54	-23.8
5	.591	21.18	Qp	0	0	10.1	31.28	56	-24.72	-	-
6	.58875	13.6	Ca	0	0	10.1	23.7	-	-	46	-22.3
7	7.22175	17.58	Qp	0	.1	10.2	27.88	60	-32.12	-	-
8	7.22625	12.87	Ca	0	.1	10.2	23.17	-	-	50	-26.83
9	16.16325	16.59	Qp	0	.2	10.3	27.09	60	-32.91	-	-
10	16.16325	15.98	Ca	0	.2	10.3	26.48	-	-	50	-23.52
11	22.94813	18.49	Qp	.1	.2	10.4	29.19	60	-30.81	-	-
12	22.92675	13.59	Ca	.1	.2	10.4	24.29	-	-	50	-25.71

Qp - Quasi-Peak detector
Ca - CISPR average detection

LINE 2 RESULTS



WORST EMISSIONS

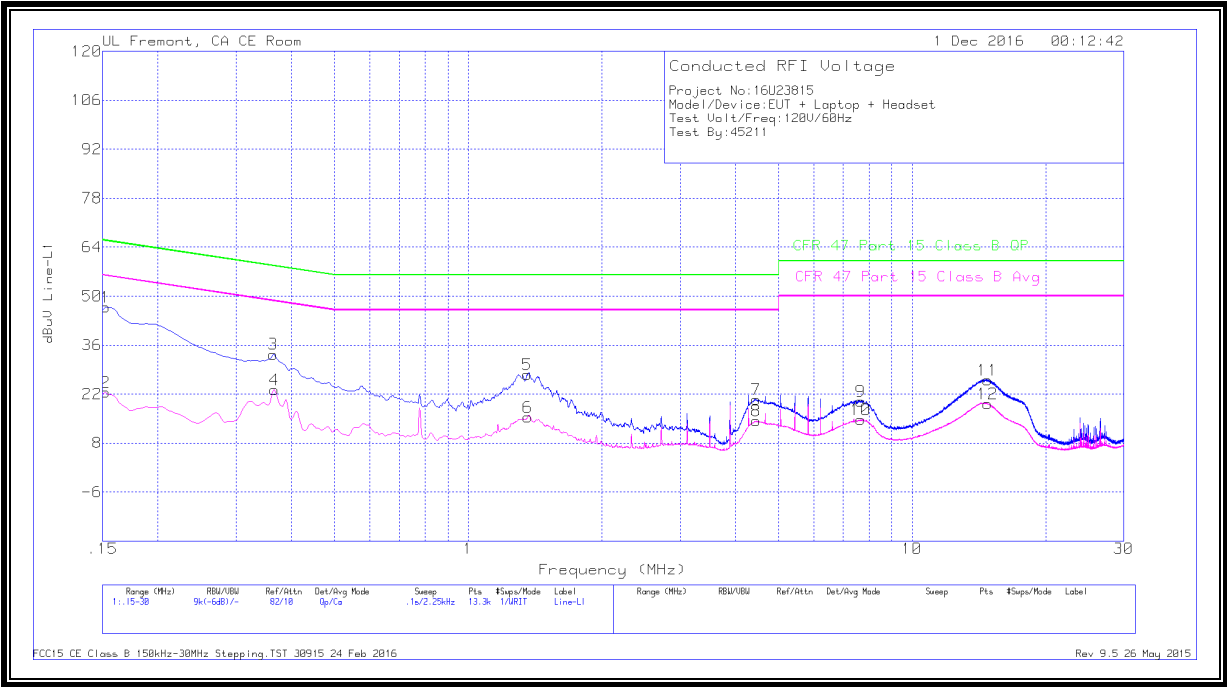
Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L2	LC Cables 2&3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
13	.16125	29.55	Qp	0	0	10.1	39.65	65.4	-25.75	-	-
14	.16125	20.93	Ca	0	0	10.1	31.03	-	-	55.4	-24.37
15	.20175	27.68	Qp	0	0	10.1	37.78	63.54	-25.76	-	-
16	.20175	19.37	Ca	0	0	10.1	29.47	-	-	53.54	-24.07
17	.5865	25.15	Qp	0	0	10.1	35.25	56	-20.75	-	-
18	.58875	17.65	Ca	0	0	10.1	27.75	-	-	46	-18.25
19	1.554	14.91	Qp	0	.1	10.1	25.11	56	-30.89	-	-
20	1.55738	8.31	Ca	0	.1	10.1	18.51	-	-	46	-27.49
21	2.51475	14.27	Qp	0	.1	10.1	24.47	56	-31.53	-	-
22	2.51475	8.07	Ca	0	.1	10.1	18.27	-	-	46	-27.73
23	23.01113	17.47	Qp	.1	.2	10.4	28.17	60	-31.83	-	-
24	23.00888	12.72	Ca	.1	.2	10.4	23.42	-	-	50	-26.58

Qp - Quasi-Peak detector

Ca - CISPR average detection

10.2. EUT POWERED BY HOST PC VIA USB CABLE

LINE 1 RESULTS

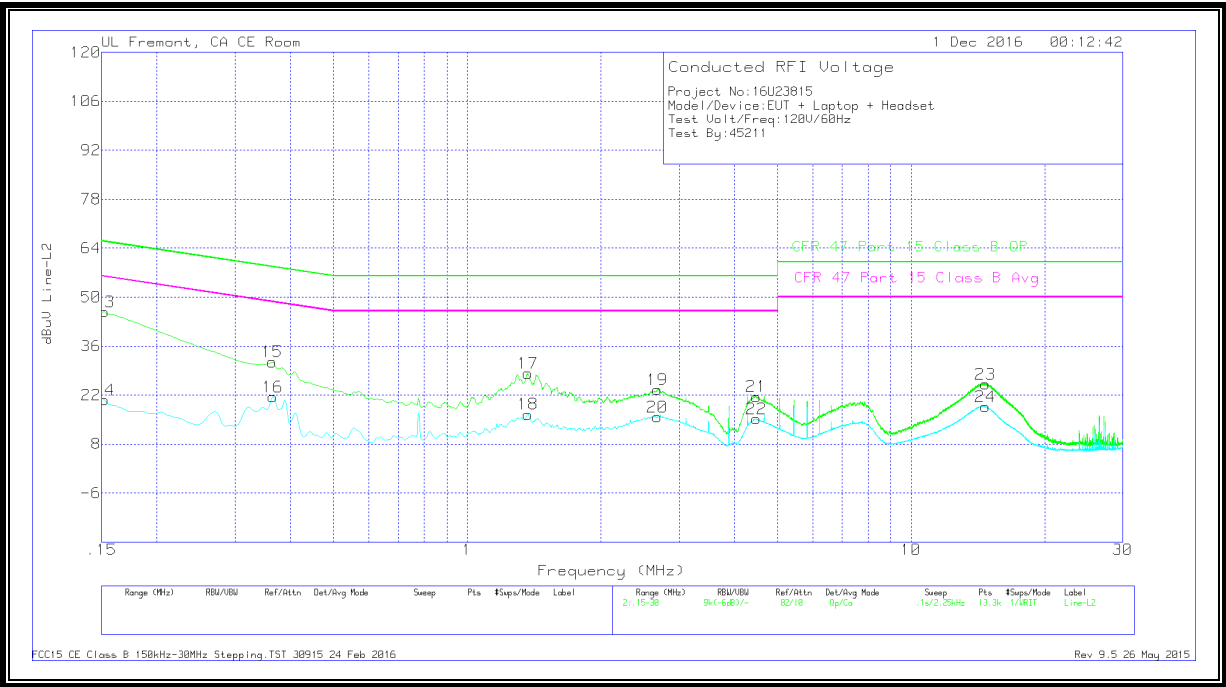


WORST EMISSIONS

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	.15225	36.71	Qp	.1	0	10.1	46.91	65.88	-18.97	-	-
2	.15225	12.27	Ca	.1	0	10.1	22.47	-	-	55.88	-33.41
3	.36375	23.3	Qp	0	0	10.1	33.4	58.64	-25.24	-	-
4	.366	13.16	Ca	0	0	10.1	23.26	-	-	48.59	-25.33
5	1.356	17.31	Qp	0	.1	10.1	27.51	56	-28.49	-	-
6	1.3605	5.2	Ca	0	.1	10.1	15.4	-	-	46	-30.6
7	4.4565	10.25	Qp	0	.1	10.1	20.45	56	-35.55	-	-
8	4.4565	4.1	Ca	0	.1	10.1	14.3	-	-	46	-31.7
9	7.6515	9.62	Qp	0	.1	10.2	19.92	60	-40.08	-	-
10	7.6695	4.35	Ca	0	.1	10.2	14.65	-	-	50	-35.35
11	14.79188	15.56	Qp	0	.2	10.2	25.96	60	-34.04	-	-
12	14.79075	8.89	Ca	0	.2	10.2	19.29	-	-	50	-30.71

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)Margin (dB)
13	.15225	35.71	Qp	0	0	10.1	45.81	65.88	-20.07	-	-
14	.15225	10.56	Ca	0	0	10.1	20.66	-	-	55.88	-35.22
15	.36375	21.39	Qp	0	0	10.1	31.49	58.64	-27.15	-	-
16	.36487	11.39	Ca	0	0	10.1	21.49	-	-	48.62	-27.13
17	1.3695	17.99	Qp	0	.1	10.1	28.19	56	-27.81	-	-
18	1.3695	6.34	Ca	0	.1	10.1	16.54	-	-	46	-29.46
19	2.679	13.32	Qp	0	.1	10.1	23.52	56	-32.48	-	-
20	2.6835	5.55	Ca	0	.1	10.1	15.75	-	-	46	-30.25
21	4.488	11.38	Qp	0	.1	10.1	21.58	56	-34.42	-	-
22	4.48575	4.96	Ca	0	.1	10.1	15.16	-	-	46	-30.84
23	14.70525	14.72	Qp	.1	.2	10.2	25.22	60	-34.78	-	-
24	14.703	8.22	Ca	.1	.2	10.2	18.72	-	-	50	-31.28

Qp - Quasi-Peak detector
Ca - CISPR average detection

11. DYNAMIC FREQUENCY SELECTION

11.1. OVERVIEW

11.1.1. LIMITS

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.

Table 3: Interference Threshold values, Master or Client incorporating In-Service Monitoring

Maximum Transmit Power	Value (see notes)
E.I.R.P. $\geq$ 200 milliwatt	-64 dBm
E.I.R.P. < 200 milliwatt and power spectral density < 10 dBm/MHz	-62 dBm
E.I.R.P. < 200 milliwatt that do not meet power spectral density requirement	-64 dBm
Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response. Note 3: E.I.R.P. is based on the highest antenna gain. For MIMO devices refer to KDB publication 662911 D01.	

Table 4: DFS Response requirement values

Parameter	Value
<i>Non-occupancy period</i>	30 minutes
<i>Channel Availability Check Time</i>	60 seconds
<i>Channel Move Time</i>	10 seconds (See Note 1)
<i>Channel Closing Transmission Time</i>	200 milliseconds + approx. 60 milliseconds over remaining 10 second period. (See Notes 1 and 2)
<i>U-NII Detection Bandwidth</i>	Minimum 100% of the U-NII 99% transmission power bandwidth. (See Note 3)
Note 1: <i>Channel Move Time</i> and the <i>Channel Closing Transmission Time</i> should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst. Note 2: The <i>Channel Closing Transmission Time</i> is comprised of 200 milliseconds starting at the beginning of the <i>Channel Move Time</i> plus any additional intermittent control signals required to facilitate a <i>Channel</i> move (an aggregate of 60 milliseconds) during the remainder of the 10-second period. The aggregate duration of control signals will not count quiet periods in between transmissions. Note 3: During the <i>U-NII Detection Bandwidth</i> detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.	

Table 5 – Short Pulse Radar Test Waveforms

Radar Type	Pulse Width (usec)	PRI (usec)	Pulses	Minimum Percentage of Successful Detection	Minimum Trials
0	1	1428	18	See Note 1	See Note 1
1	1	Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in table 5a	Roundup: $\{(1/360) \times (19 \times 10^6 \text{ PRI}_{\text{usec}})\}$	60%	30
		Test B: 15 unique PRI values randomly selected within the range of 518-3066 usec. With a minimum increment of 1 usec, excluding PRI values selected in Test A			
2	1-5	150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	11-20	200-500	12-16	60%	30
Aggregate (Radar Types 1-4)				80%	120
Note 1: Short Pulse Radar Type 0 should be used for the <i>Detection Bandwidth</i> test, <i>Channel Move Time</i> , and <i>Channel Closing Time</i> tests.					

Table 6 – Long Pulse Radar Test Signal

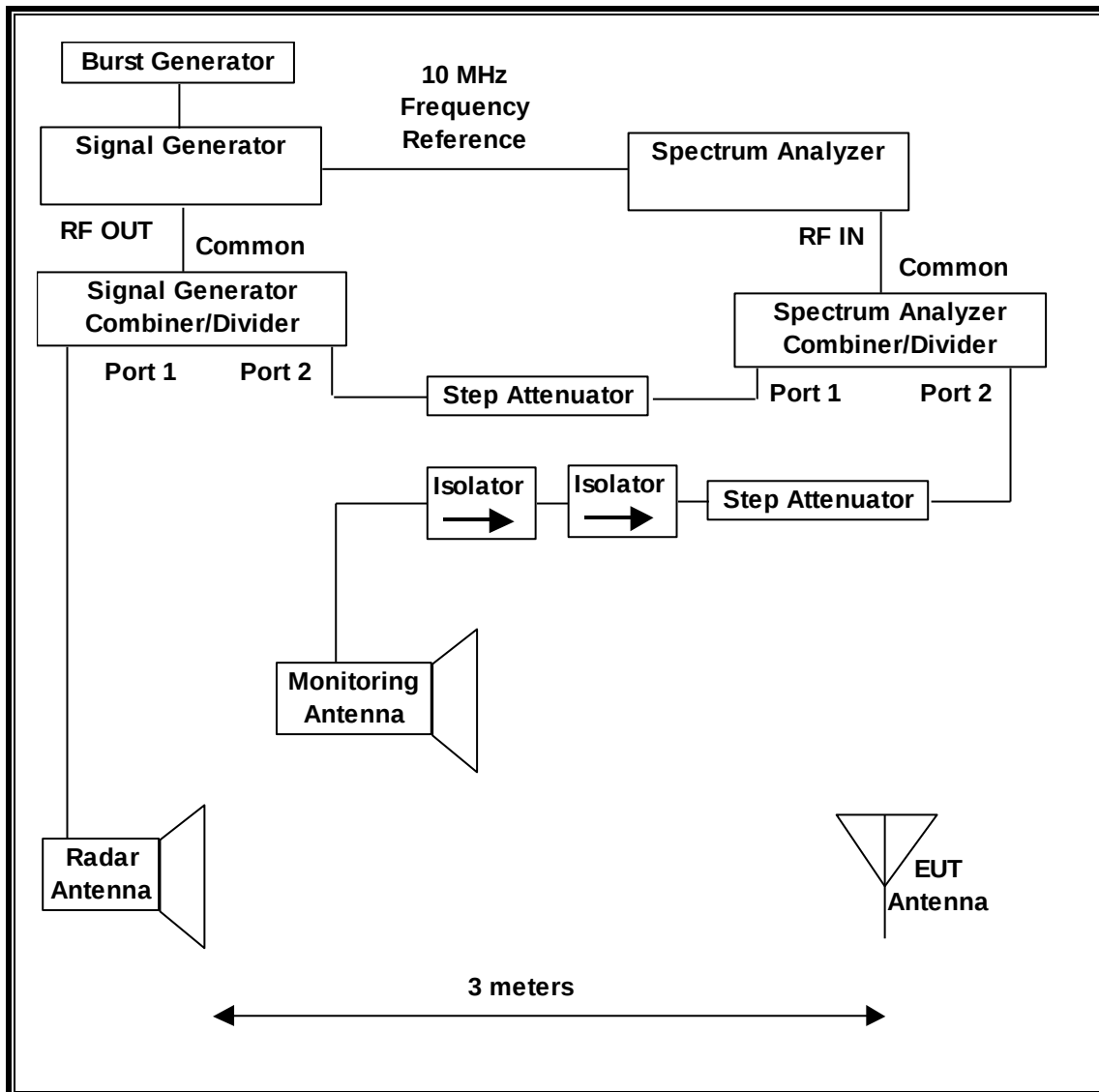
Radar Waveform Type	Pulse Width (μsec)	Chirp Width (MHz)	PRI (μsec)	Pulses per Burst	Number of Bursts	Minimum Percentage of Successful Detection	Minimum Trials
5	50-100	5-20	1000-2000	1-3	8-20	80%	30

Table 7 – Frequency Hopping Radar Test Signal

Radar Waveform Type	Pulse Width (μsec)	PRI (μsec)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (msec)	Minimum Percentage of Successful Detection	Minimum Trials
6	1	333	9	0.333	300	70%	30

11.1.2. TEST AND MEASUREMENT SYSTEM

RADIATED METHOD SYSTEM BLOCK DIAGRAM



SYSTEM OVERVIEW

The short pulse and long pulse signal generating system utilizes the NTIA software. The Vector Signal Generator has been validated by the NTIA. The hopping signal generating system utilizes the CCS simulated hopping method and system, which has been validated by the DoD, FCC and NTIA. The software selects waveform parameters from within the bounds of the signal type on a random basis using uniform distribution.

The short pulse types 2, 3 and 4, and the long pulse type 5 parameters are randomized at run-time.

The hopping type 6 pulse parameters are fixed while the hopping sequence is based on the August 2005 NTIA Hopping Frequency List. The initial starting point randomized at run-time and each subsequent starting point is incremented by 475. Each frequency in the 100-length segment is compared to the boundaries of the EUT Detection Bandwidth and the software creates a hopping burst pattern in accordance with Section 7.4.1.3 Method #2 Simulated Frequency Hopping Radar Waveform Generating Subsystem of KDB 905462 D02. The frequency of the signal generator is incremented in 1 MHz steps from F_L to F_H for each successive trial. This incremental sequence is repeated as required to generate a minimum of 30 total trials and to maintain a uniform frequency distribution over the entire Detection Bandwidth.

The signal monitoring equipment consists of a spectrum analyzer. The aggregate ON time is calculated by multiplying the number of bins above a threshold during a particular observation period by the dwell time per bin, with the analyzer set to peak detection and max hold.

SYSTEM CALIBRATION

A 50-ohm load is connected in place of the spectrum analyzer, and the spectrum analyzer is connected to a horn antenna via a coaxial cable, with the reference level offset set to (horn antenna gain – coaxial cable loss). The signal generator is set to CW mode. The amplitude of the signal generator is adjusted to yield a level of –64 dBm as measured on the spectrum analyzer.

Without changing any of the instrument settings, the spectrum analyzer is reconnected to the Common port of the Spectrum Analyzer Combiner/Divider. The Reference Level Offset of the spectrum analyzer is adjusted so that the displayed amplitude of the signal is –64 dBm.

The spectrum analyzer displays the level of the signal generator as received at the antenna ports of the Master Device. The interference detection threshold may be varied from the calibrated value of –64 dBm and the spectrum analyzer will still indicate the level as received by the Master Device.

ADJUSTMENT OF DISPLAYED TRAFFIC LEVEL

A link is established between the Master and Slave and the distance between the units is adjusted as needed to provide a suitable received level at the Master and Slave devices. The video test file is streamed to generate WLAN traffic. The monitoring antenna is adjusted so that the WLAN traffic level, as displayed on the spectrum analyzer, is at lower amplitude than the radar detection threshold.

TEST AND MEASUREMENT EQUIPMENT

The following test and measurement equipment was utilized for the DFS tests documented in this report:

TEST EQUIPMENT LIST				
Description	Manufacturer	Model	Asset Number	Cal Due
Spectrum Analyzer, PXA, 3Hz to 44GHz	Keysight	N9030A	US51350187	06/13/17
Signal Generator, MXG X-Series RF Vector	Agilent	N5172B	MY51350337	03/11/17

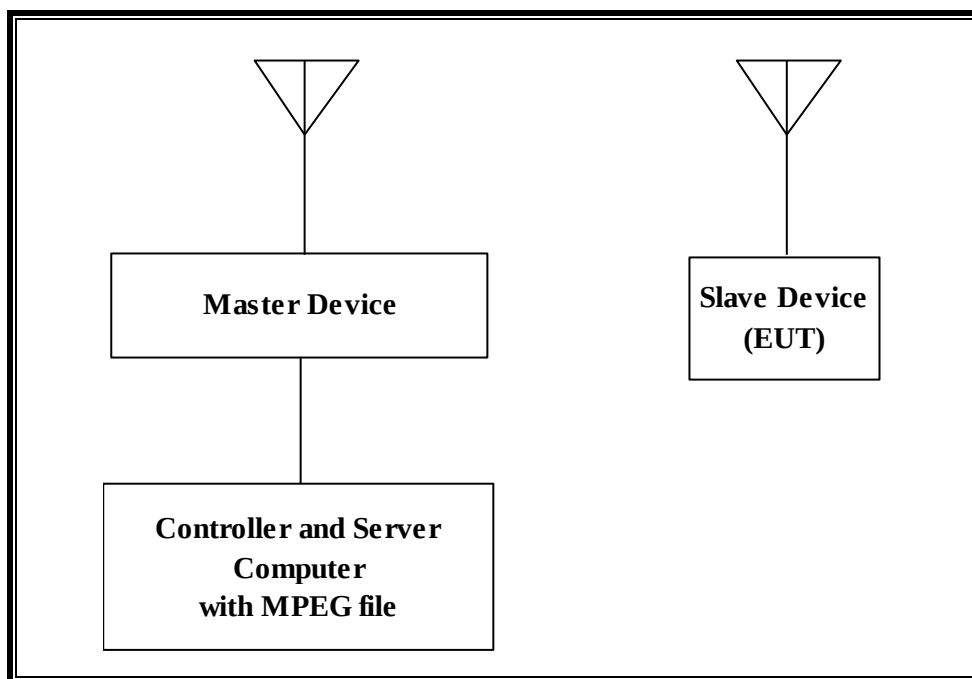
11.1.3. TEST AND MEASUREMENT SOFTWARE

The following test and measurement software was utilized for the tests documented in this report:

TEST SOFTWARE LIST		
Name	Version	Test / Function
Aggregate Time-PXA	3.0.0.9	Channel Loading and Aggregate Closing Time
PXA Read	3.0	Signal Generator Screen Capture
SGXProject.exe	1.7	Radar Waveform Generation and Download

11.1.4. SETUP OF EUT (CLIENT MODE)

RADIATED METHOD EUT TEST SETUP



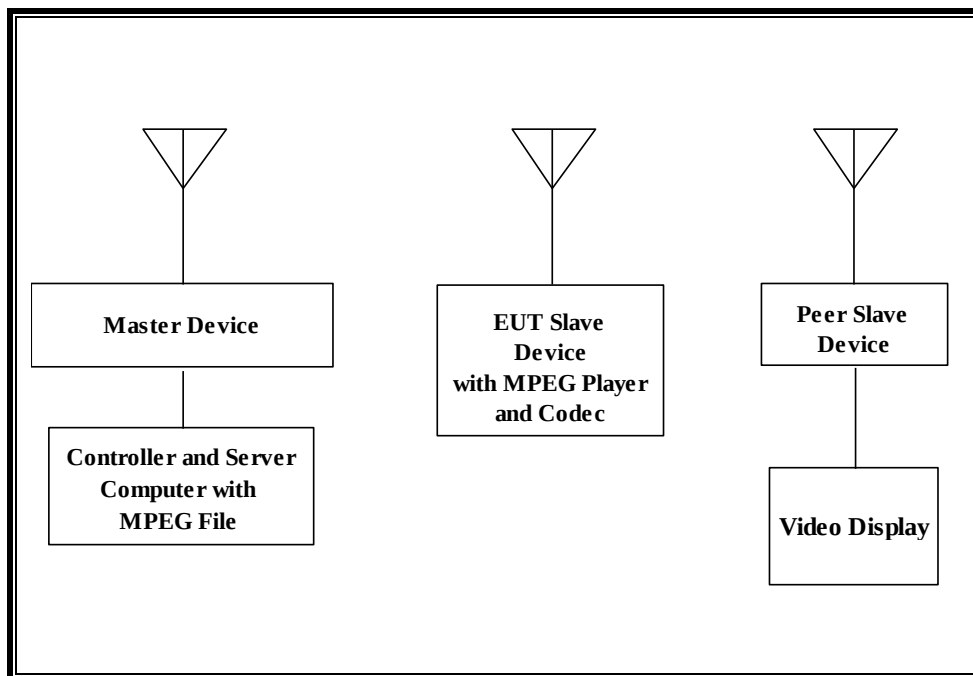
SUPPORT EQUIPMENT

The following support equipment was utilized for the DFS tests documented in this report:

PERIPHERAL SUPPORT EQUIPMENT LIST				
Description	Manufacturer	Model	Serial Number	FCC ID
3x3 MIMO Base Station (Master Device)	Apple	A1521	C86L3BA8FJ1R	BCGA1521
Notebook PC (Controller/Server)	Apple	A1181	4H629022WLV	DoC
AC Adapter (Controller/Server PC)	Delta Electronics	A1344	MV05104CNAL1A	DoC

11.1.5. SETUP OF EUT (CLIENT-TO-CLIENT COMMUNICATIONS MODE)

RADIATED METHOD EUT TEST SETUP



SUPPORT EQUIPMENT

The following support equipment was utilized for the DFS tests documented in this report:

PERIPHERAL SUPPORT EQUIPMENT LIST				
Description	Manufacturer	Model	Serial Number	FCC ID
3x3 MIMO Base Station (Master Device)	Apple	A1521	C86L3BA8FJ1R	BCGA1521
Notebook PC (Controller/Server)	Apple	A1181	4H629022WLV	DoC
AC Adapter (Controller/Server PC)	Delta Electronics	A1344	MV05104CNAL1A	DoC
Apple TV (Peer Slave Device)	Apple	A1625	C07PR001GPWK	BCGA1625
Video Display	Polaroid	TLX-01511C	02006	DoC

11.1.6. DESCRIPTION OF EUT

For FCC the EUT operates over the 5250-5350 MHz and 5470-5725 MHz ranges.

The EUT is a Slave Device without Radar Detection.

The highest power level within these bands is 23.10 dBm EIRP in the 5250-5350 MHz band and 23.40 dBm EIRP in the 5470-5725 MHz band.

The only antenna assembly utilized with the EUT has a gain of 4.11dBi & 3.36dBi in the 5250-5350 MHz band and 5.41dBi & 5.17dBi in the 5470-5725 MHz band.

The rated output power of the Master unit is > 23dBm (EIRP). Therefore the required interference threshold level is -64 dBm. After correction for procedural adjustments, the required radiated threshold at the antenna port is $-64 + 1 = -63$ dBm.

The calibrated radiated DFS Detection Threshold level is set to -64 dBm. The tested level is lower than the required level hence it provides a margin to the limit.

The EUT uses two transmitter/receiver chains connected to an antenna to perform radiated tests.

In standard client mode WLAN traffic that meets or exceeds the minimum required loading was generated by streaming the compressed version of the video test file "6 ½ Magic Hours" from the Master to the Slave

In client to client mode WLAN traffic is generated by streaming the compressed version of the video test file "6 ½ Magic Hours" from the Master to the Slave and then on to the peer slave device in full motion video mode using QuickTime media player and embedded proprietary AirPlay software.

TPC is not required since the maximum EIRP is less than 500 mW (27 dBm).

The EUT utilizes the 802.11ac architecture. Three nominal channel bandwidths are implemented: 20 MHz, 40 MHz and 80 MHz.

The software installed in the EUT is version 10.3 (14E222) .

The software installed in the access point is 7.7.2d0 dev.

UNIFORM CHANNEL SPREADING

This function is not applicable Slave Devices.

OVERVIEW OF MASTER DEVICE WITH RESPECT TO §15.407 (h) REQUIREMENTS

The Master Device is an Apple, Inc. Access Point, FCC ID: BCGA1521. The minimum antenna gain for the Master Device is 1.4 dBi.

The rated output power of the Master unit is $> 23\text{dBm}$ (EIRP). Therefore the required interference threshold level is -64 dBm . After correction for procedural adjustments, the required radiated threshold at the antenna port is $-64 + 1 = -63\text{ dBm}$.

The calibrated radiated DFS Detection Threshold level is set to -64 dBm . The tested level is lower than the required level hence it provides a margin to the limit.

The software installed in the access point is 7.7.2d0 dev.

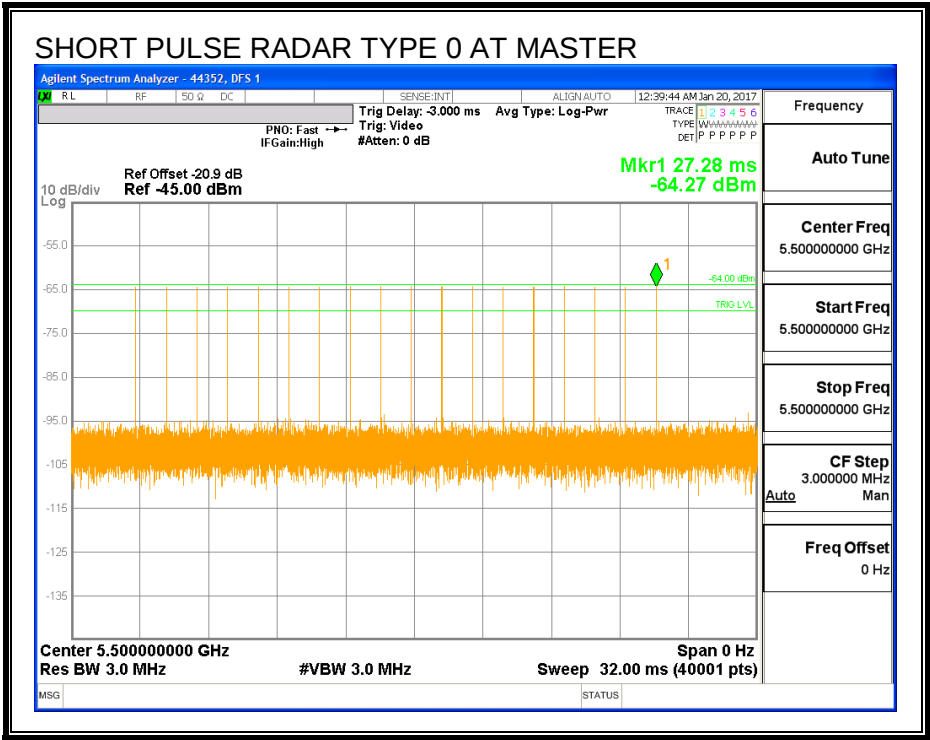
11.2. CLIENT MODE RESULTS FOR 20 MHz BANDWIDTH

11.2.1. TEST CHANNEL

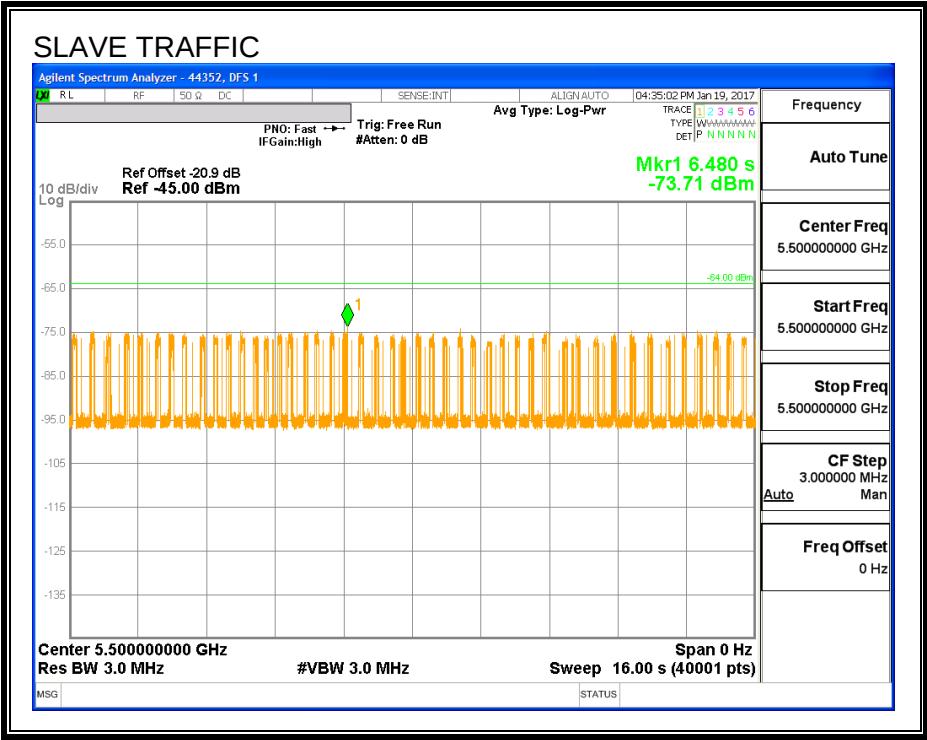
All tests were performed at a channel center frequency of 5500 MHz.

11.2.2. RADAR WAVEFORM AND TRAFFIC

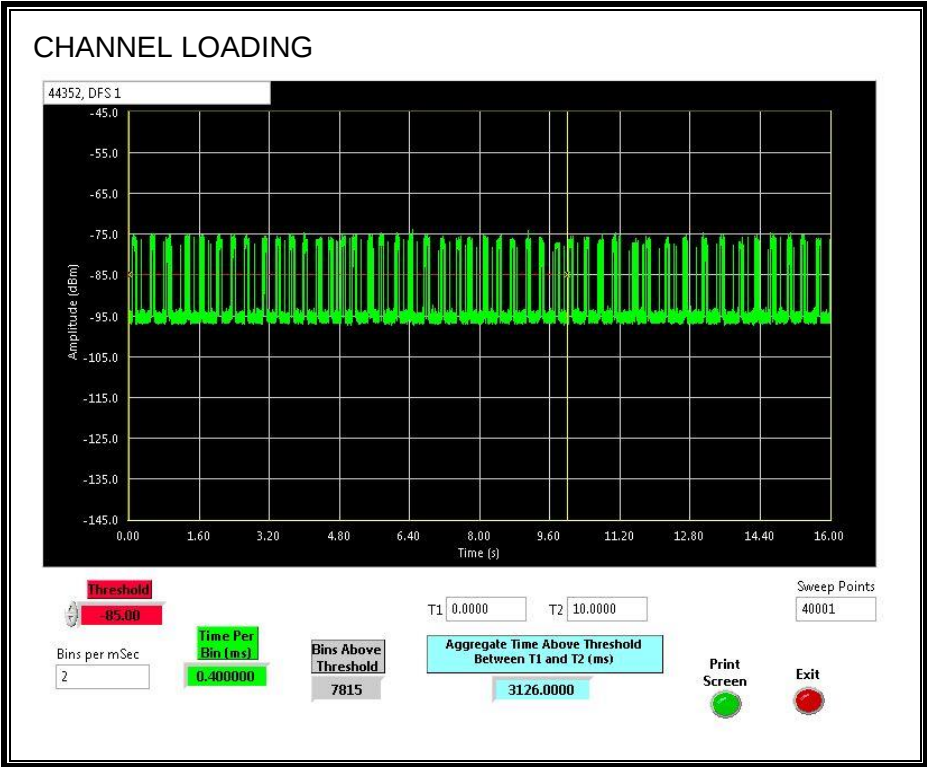
RADAR WAVEFORM



TRAFFIC



CHANNEL LOADING



The level of traffic loading on the channel by the EUT is 31.26%

11.2.3. OVERLAPPING CHANNEL TESTS

RESULTS

These tests are not applicable.

11.2.4. MOVE AND CLOSING TIME

REPORTING NOTES

The reference marker is set at the end of last radar pulse.

The delta marker is set at the end of the last WLAN transmission following the radar pulse. This delta is the channel move time.

The aggregate channel closing transmission time is calculated as follows:

Aggregate Transmission Time =
(Number of analyzer bins showing transmission) * (dwell time per bin)

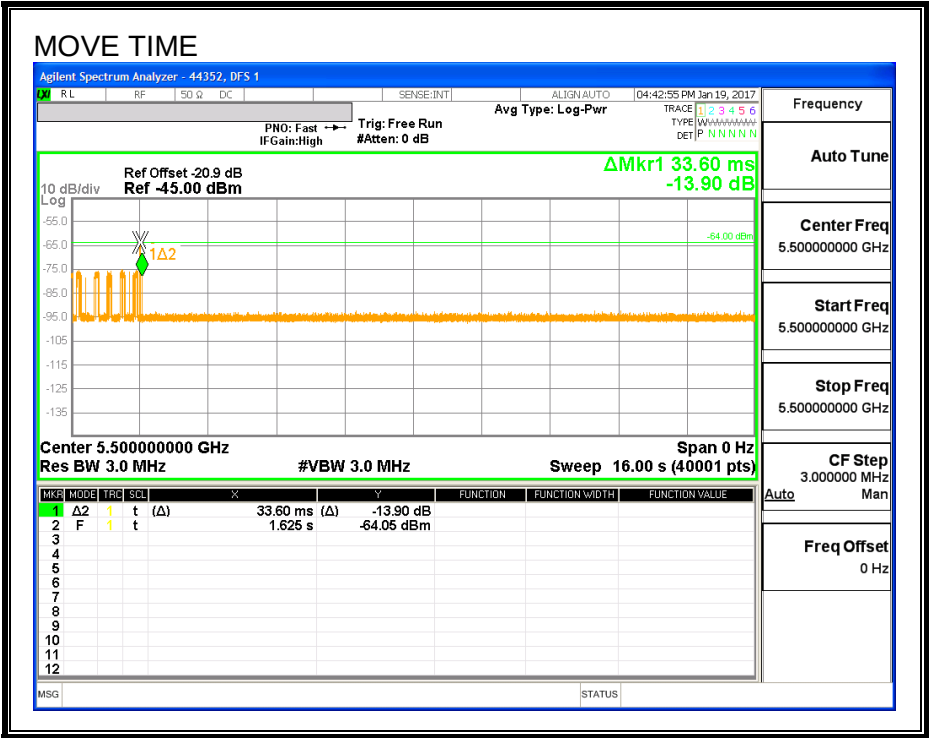
The observation period over which the aggregate time is calculated begins at (Reference Marker + 200 msec) and ends no earlier than (Reference Marker + 10 sec).

RESULTS

Channel Move Time (sec)	Limit (sec)
0.0336	10

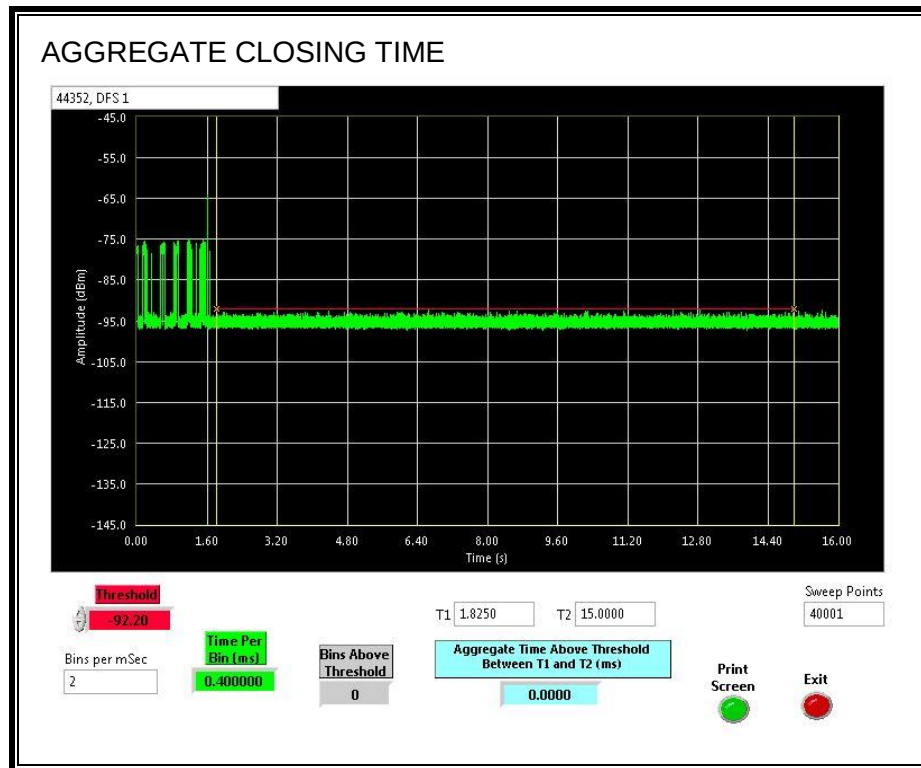
Aggregate Channel Closing Transmission Time (msec)	Limit (msec)
0.0	60

MOVE TIME



AGGREGATE CHANNEL CLOSING TRANSMISSION TIME

No transmissions are observed during the aggregate monitoring period.



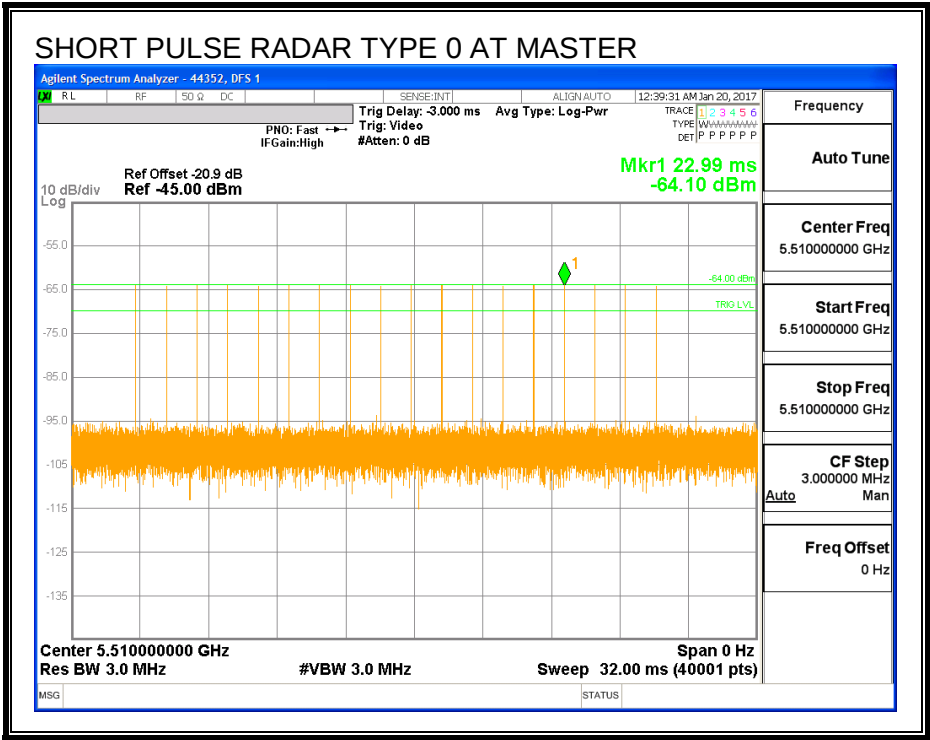
11.3. CLIENT MODE RESULTS FOR 40 MHz BANDWIDTH

11.3.1. TEST CHANNEL

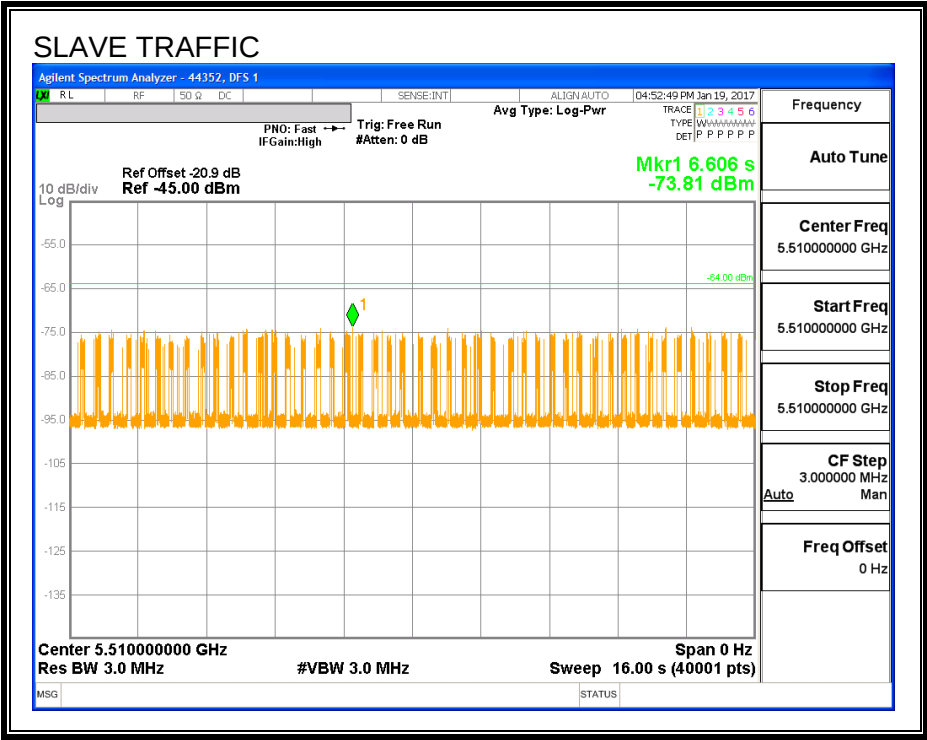
All tests were performed at a channel center frequency of 5510 MHz.

11.3.2. RADAR WAVEFORM AND TRAFFIC

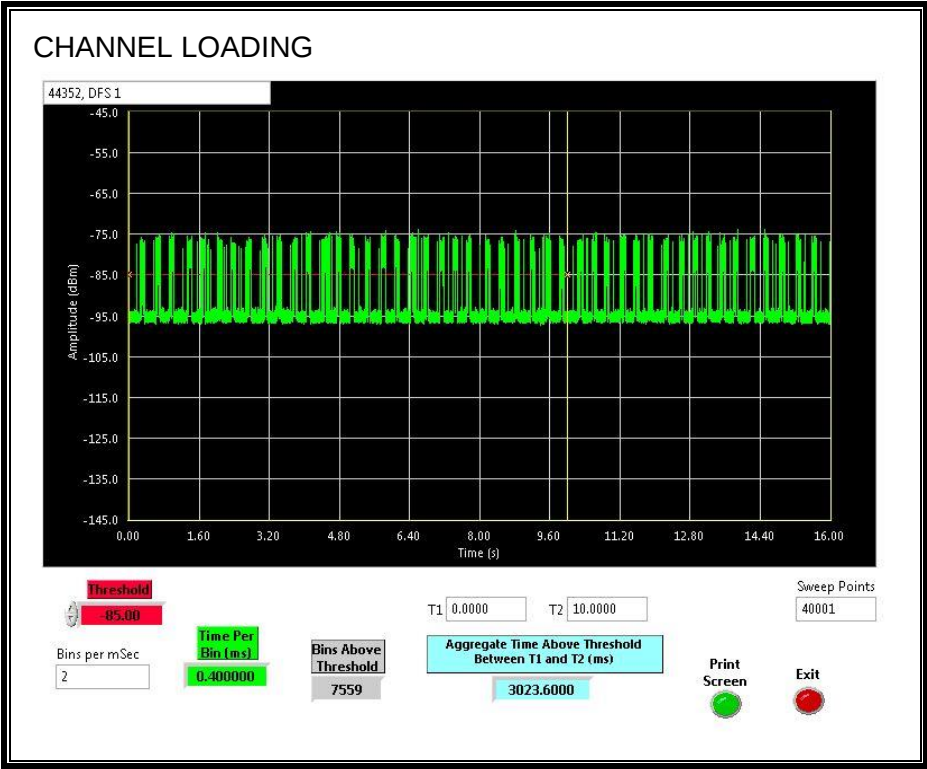
RADAR WAVEFORM



TRAFFIC



CHANNEL LOADING



The level of traffic loading on the channel by the EUT is 30.236%

11.3.3. OVERLAPPING CHANNEL TESTS

RESULTS

These tests are not applicable.

11.3.4. MOVE AND CLOSING TIME

REPORTING NOTES

The reference marker is set at the end of last radar pulse.

The delta marker is set at the end of the last WLAN transmission following the radar pulse. This delta is the channel move time.

The aggregate channel closing transmission time is calculated as follows:

Aggregate Transmission Time =
(Number of analyzer bins showing transmission) * (dwell time per bin)

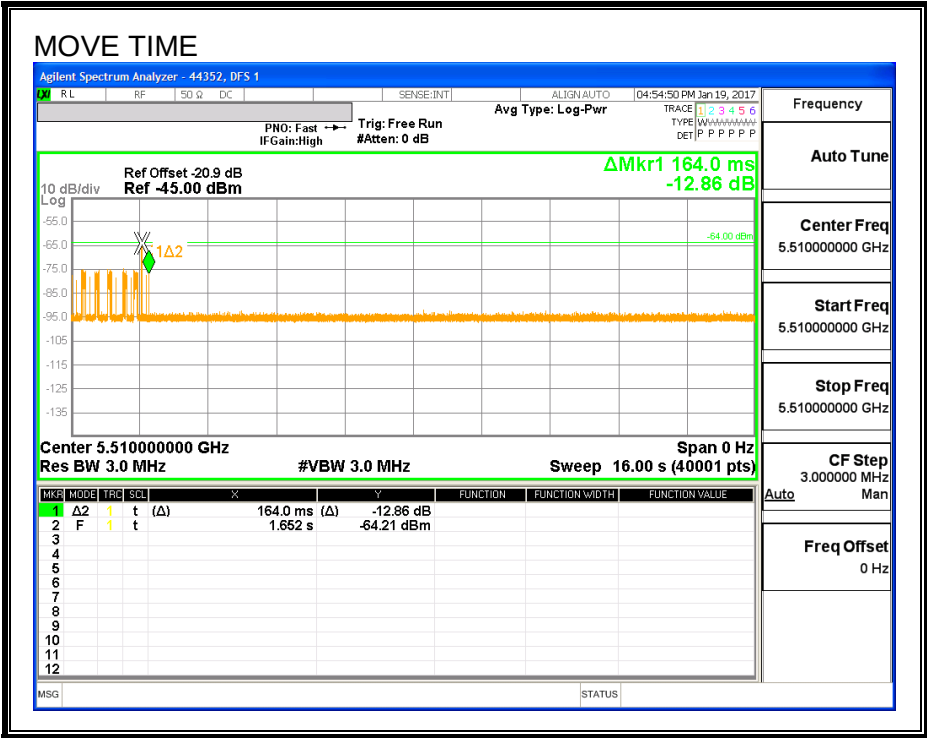
The observation period over which the aggregate time is calculated begins at (Reference Marker + 200 msec) and ends no earlier than (Reference Marker + 10 sec).

RESULTS

Channel Move Time (sec)	Limit (sec)
0.1640	10

Aggregate Channel Closing Transmission Time (msec)	Limit (msec)
0.0	60

MOVE TIME



AGGREGATE CHANNEL CLOSING TRANSMISSION TIME

No transmissions are observed during the aggregate monitoring period.



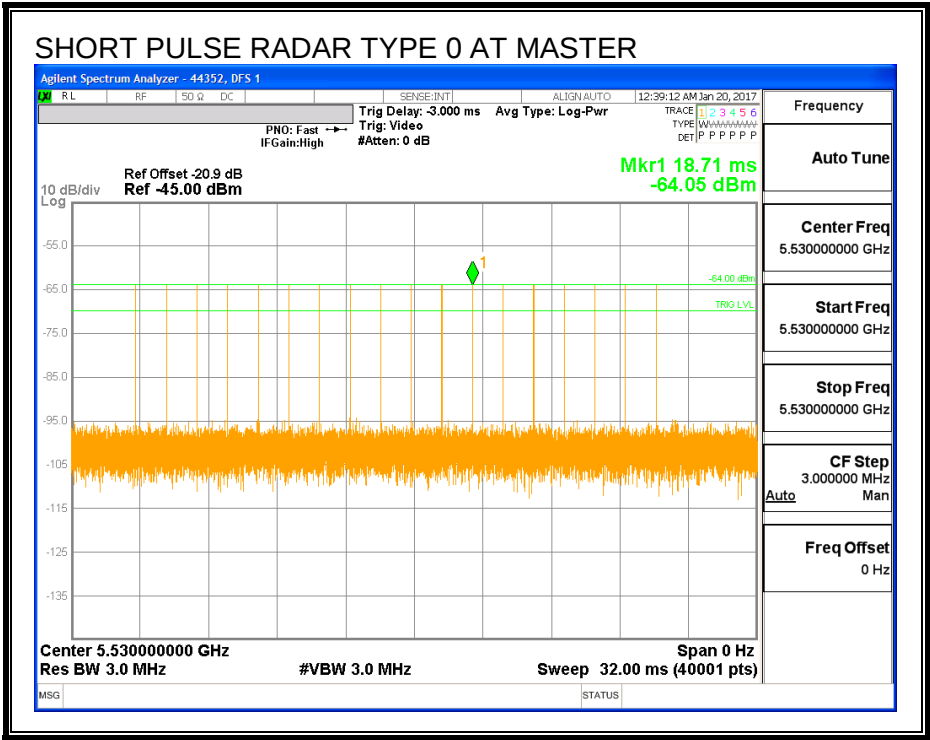
11.4. CLIENT MODE RESULTS FOR 80 MHz BANDWIDTH

11.4.1. TEST CHANNEL

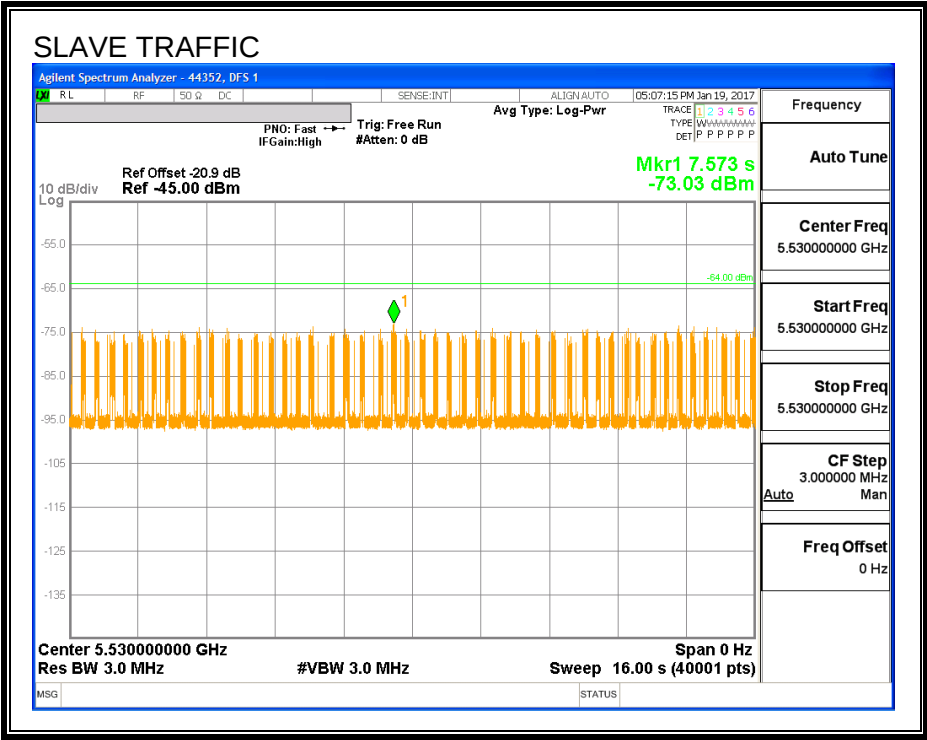
All tests were performed at a channel center frequency of 5530 MHz.

11.4.2. RADAR WAVEFORM AND TRAFFIC

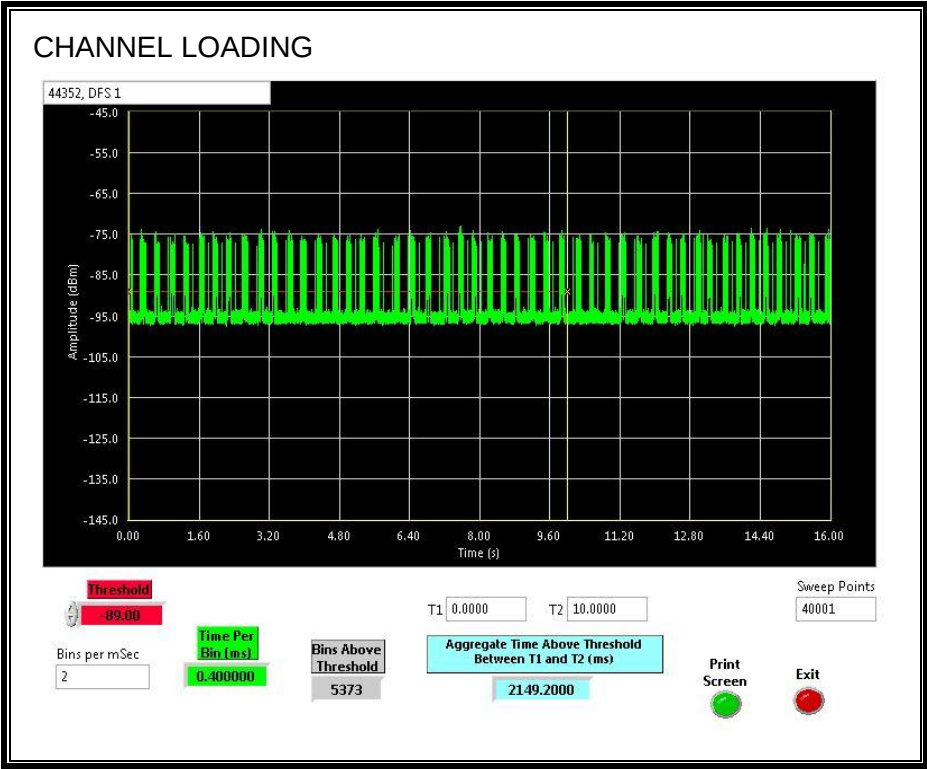
RADAR WAVEFORM



TRAFFIC



CHANNEL LOADING



The level of traffic loading on the channel by the EUT is 21.492%

11.4.3. OVERLAPPING CHANNEL TESTS

RESULTS

These tests are not applicable.

11.4.4. MOVE AND CLOSING TIME

REPORTING NOTES

The reference marker is set at the end of last radar pulse.

The delta marker is set at the end of the last WLAN transmission following the radar pulse. This delta is the channel move time.

The aggregate channel closing transmission time is calculated as follows:

Aggregate Transmission Time =
(Number of analyzer bins showing transmission) * (dwell time per bin)

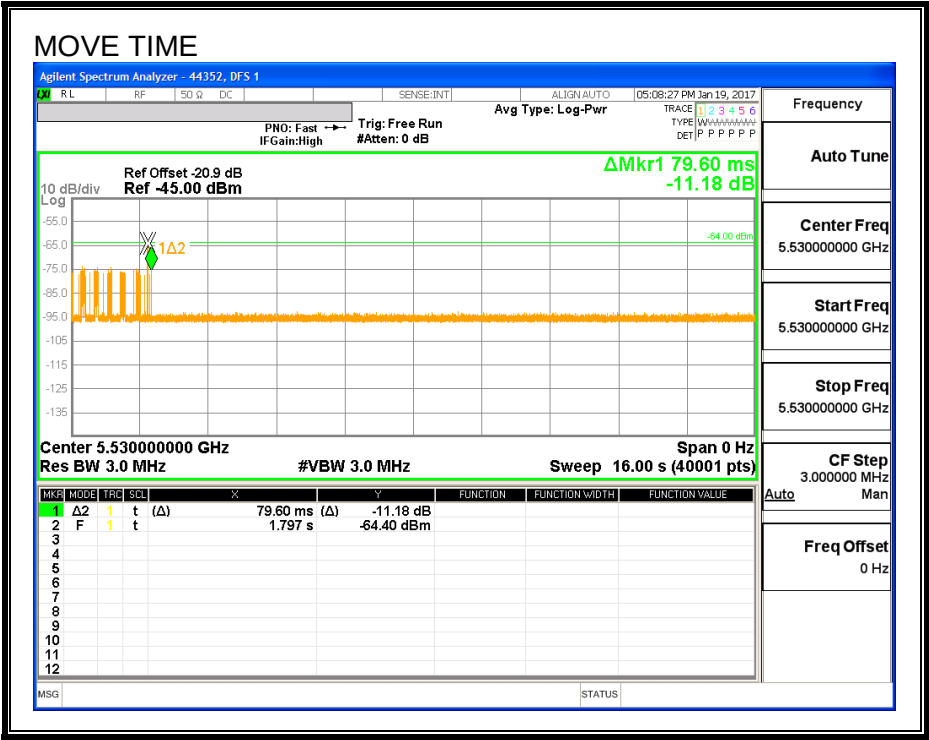
The observation period over which the aggregate time is calculated begins at (Reference Marker + 200 msec) and ends no earlier than (Reference Marker + 10 sec).

RESULTS

Channel Move Time (sec)	Limit (sec)
0.0796	10

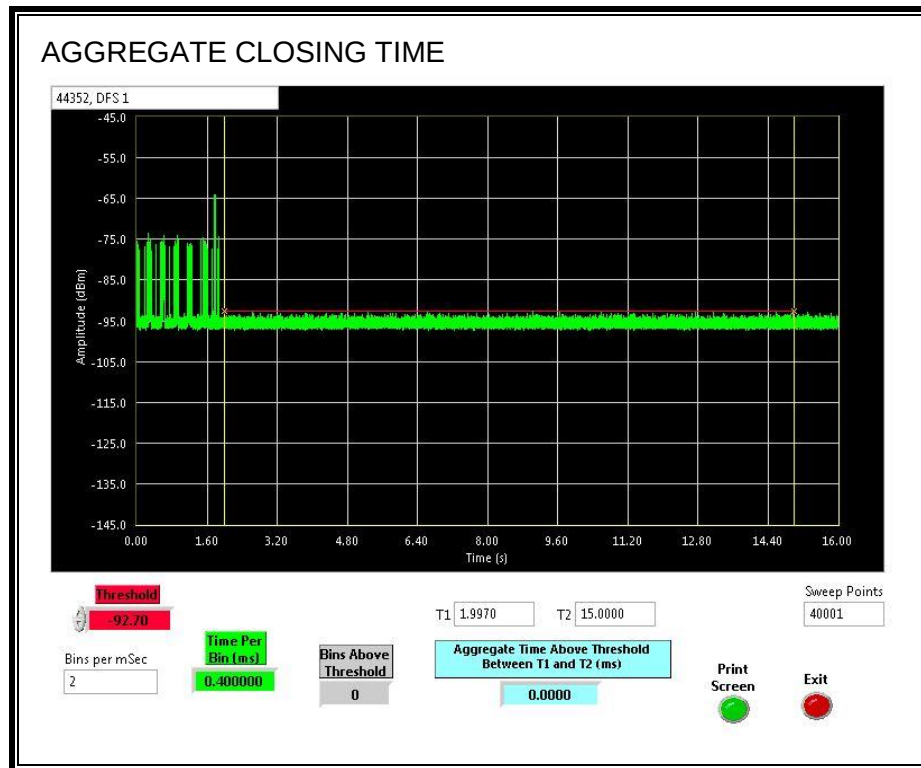
Aggregate Channel Closing Transmission Time (msec)	Limit (msec)
0.0	60

MOVE TIME



AGGREGATE CHANNEL CLOSING TRANSMISSION TIME

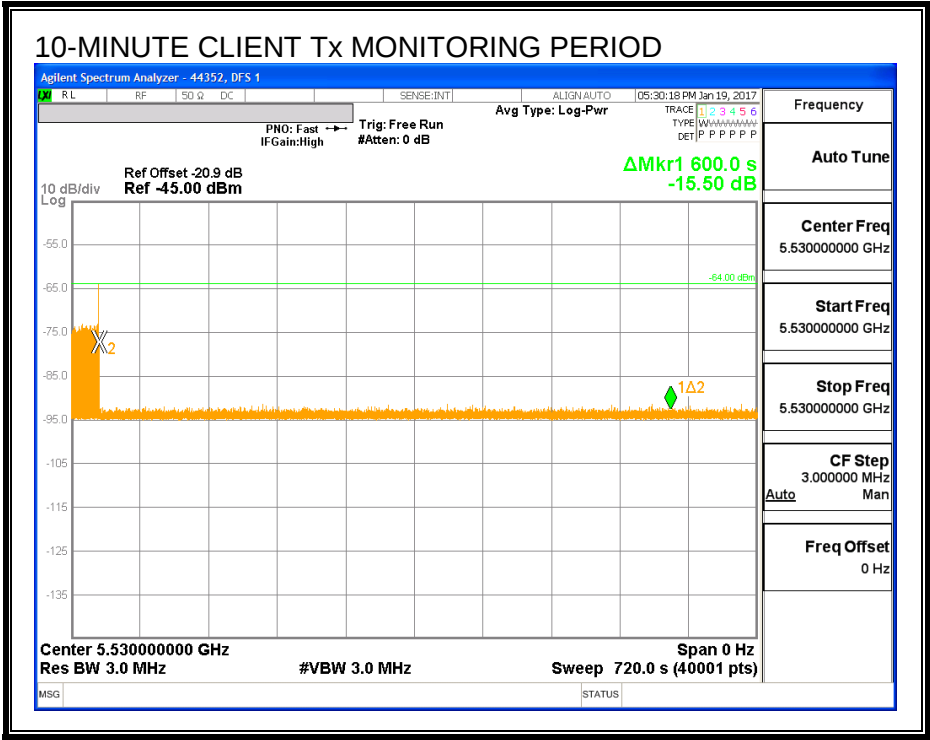
No transmissions are observed during the aggregate monitoring period.



11.4.5. 10-MINUTE CLIENT Tx MONITORING PERIOD

RESULTS

No EUT transmissions were observed on the test channel during the 10-minute observation time.



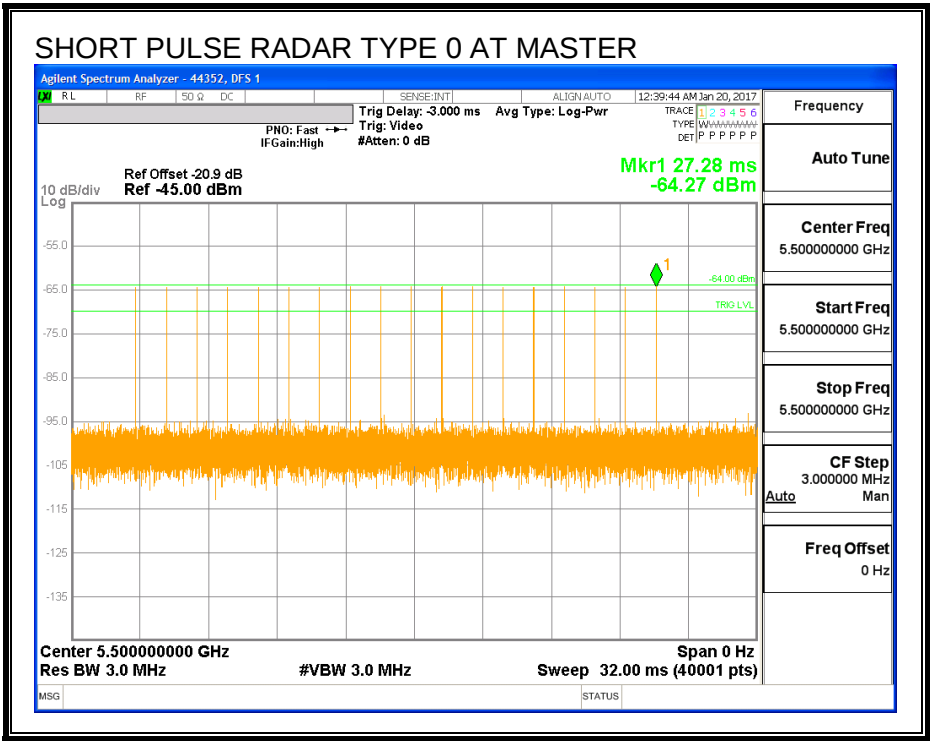
11.5. CLIENT-TO-CLIENT COMMUNICATIONS MODE RESULTS FOR 20 MHz BANDWIDTH

11.5.1. TEST CHANNEL

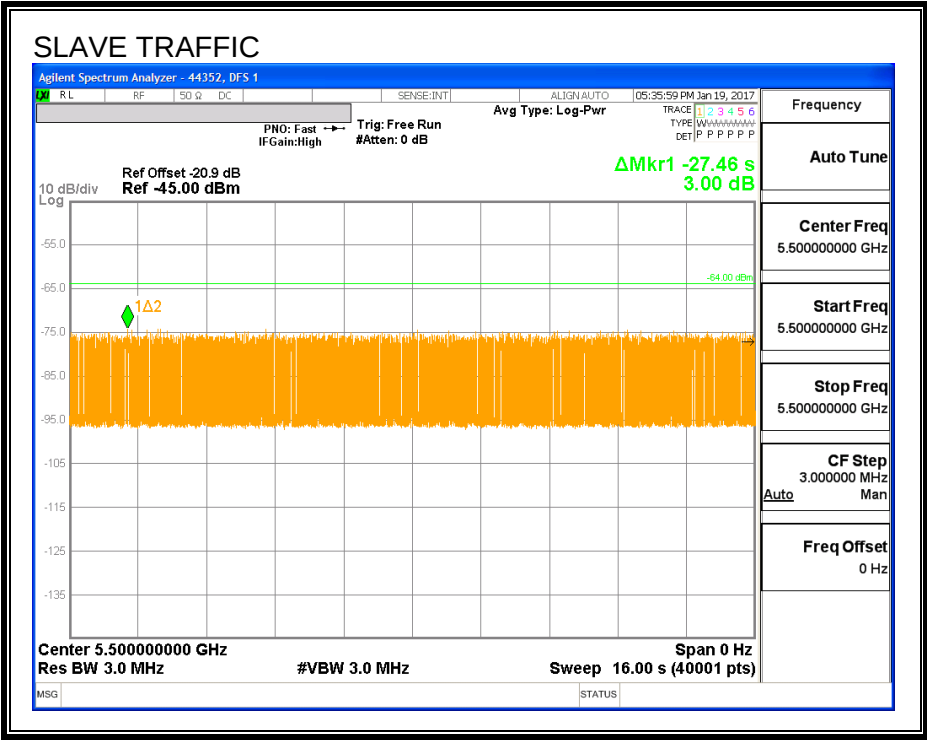
All tests were performed at a channel center frequency of 5500 MHz.

11.5.2. RADAR WAVEFORM AND TRAFFIC

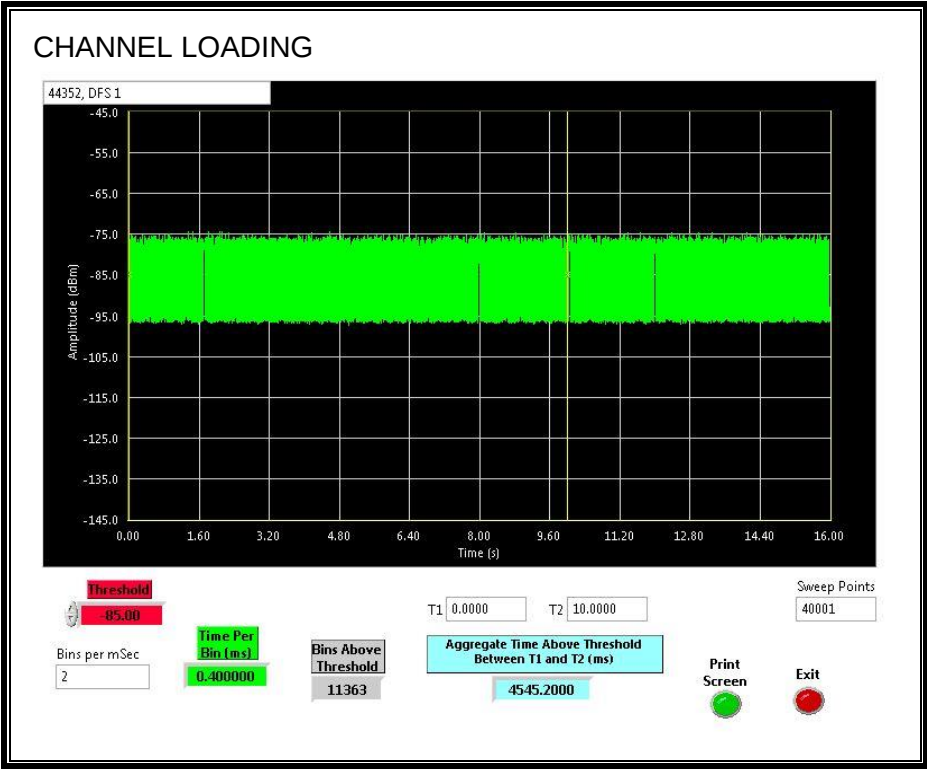
RADAR WAVEFORM



TRAFFIC



CHANNEL LOADING



The level of traffic loading on the channel by the EUT is 45.452%

11.5.3. OVERLAPPING CHANNEL TESTS

RESULTS

These tests are not applicable.

11.5.4. MOVE AND CLOSING TIME

REPORTING NOTES

The reference marker is set at the end of last radar pulse.

The delta marker is set at the end of the last WLAN transmission following the radar pulse. This delta is the channel move time.

The aggregate channel closing transmission time is calculated as follows:

Aggregate Transmission Time =
(Number of analyzer bins showing transmission) * (dwell time per bin)

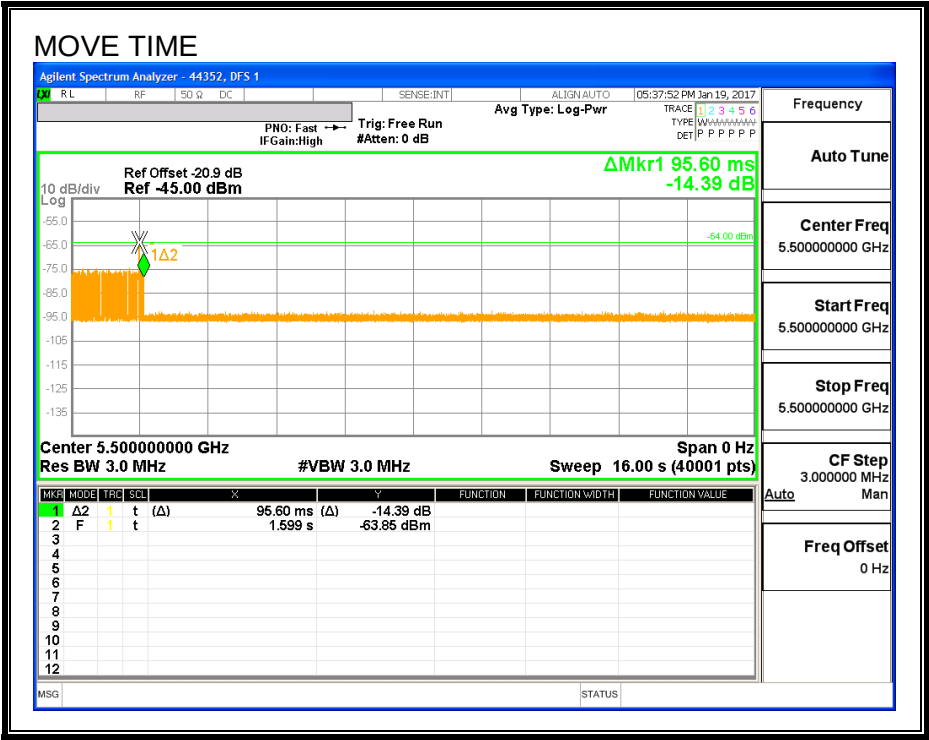
The observation period over which the aggregate time is calculated begins at (Reference Marker + 200 msec) and ends no earlier than (Reference Marker + 10 sec).

RESULTS

Channel Move Time (sec)	Limit (sec)
0.096	10

Aggregate Channel Closing Transmission Time (msec)	Limit (msec)
0.0	60

MOVE TIME



AGGREGATE CHANNEL CLOSING TRANSMISSION TIME

No transmissions are observed during the aggregate monitoring period.



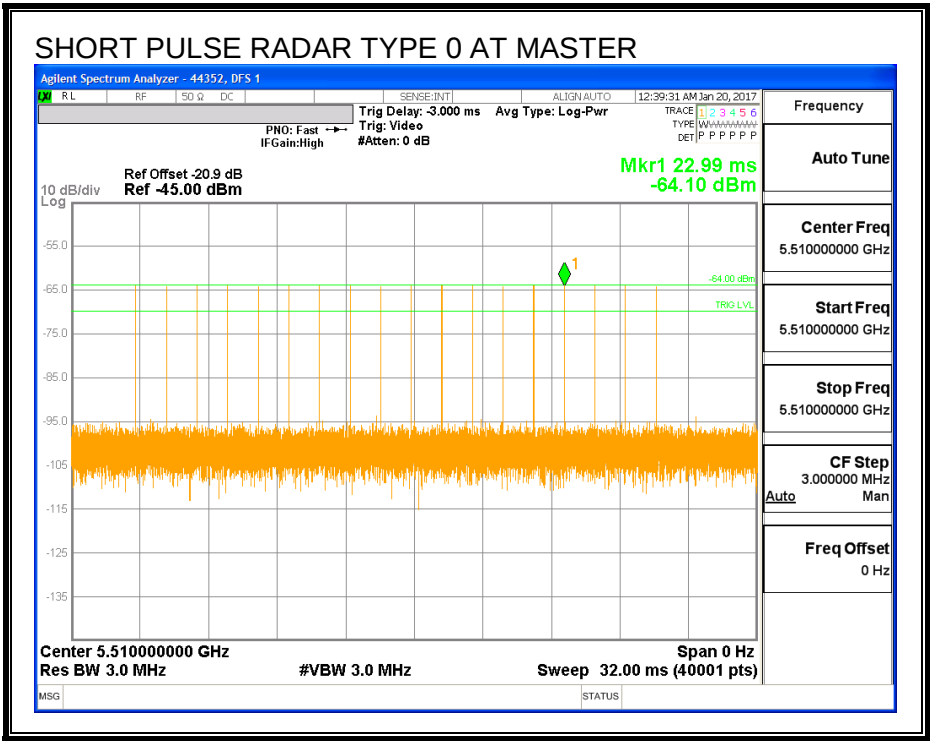
11.6. CLIENT-TO-CLIENT COMMUNICATIONS MODE RESULTS FOR 40 MHz BANDWIDTH

11.6.1. TEST CHANNEL

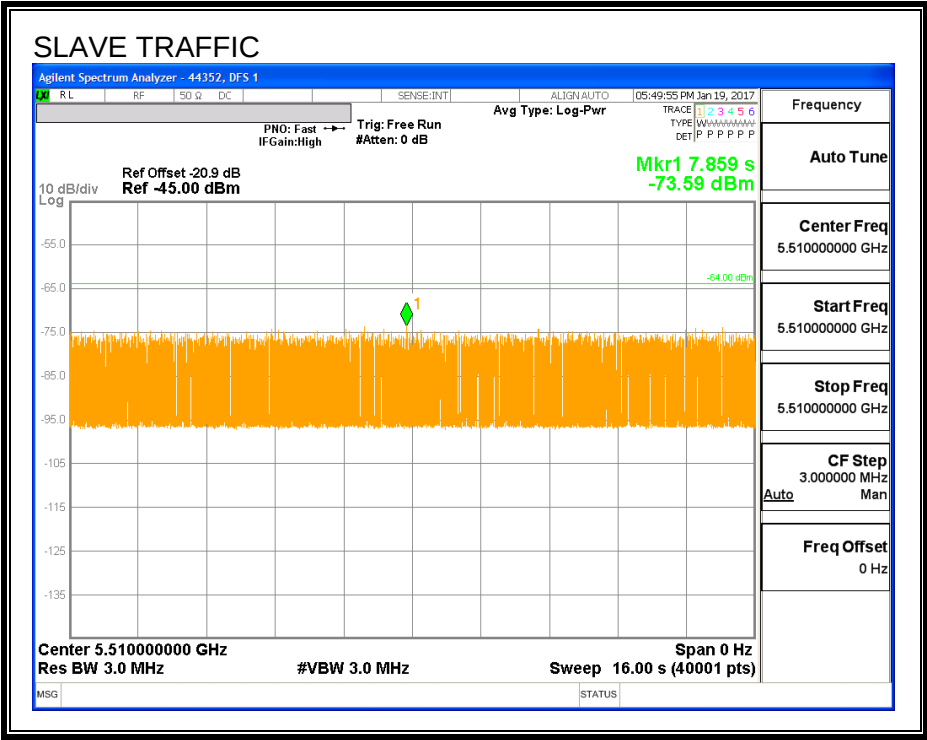
All tests were performed at a channel center frequency of 5510 MHz.

11.6.2. RADAR WAVEFORM AND TRAFFIC

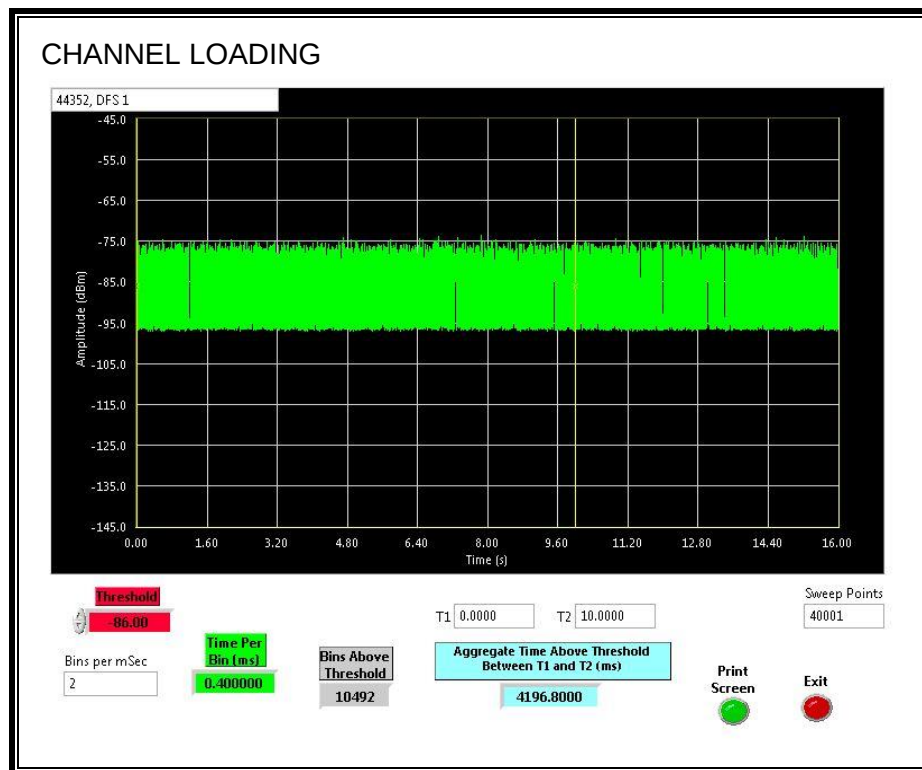
RADAR WAVEFORM



TRAFFIC



CHANNEL LOADING



The level of traffic loading on the channel by the EUT is 41.968%

11.6.3. OVERLAPPING CHANNEL TESTS

RESULTS

These tests are not applicable.

11.6.4. MOVE AND CLOSING TIME

REPORTING NOTES

The reference marker is set at the end of last radar pulse.

The delta marker is set at the end of the last WLAN transmission following the radar pulse. This delta is the channel move time.

The aggregate channel closing transmission time is calculated as follows:

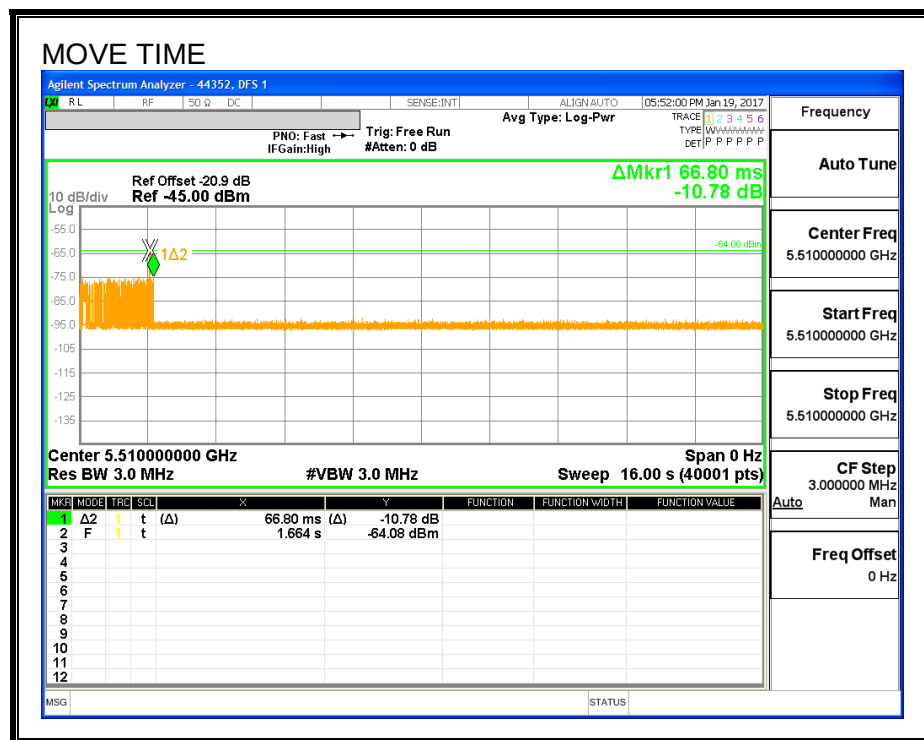
Aggregate Transmission Time =
(Number of analyzer bins showing transmission) * (dwell time per bin)

The observation period over which the aggregate time is calculated begins at (Reference Marker + 200 msec) and ends no earlier than (Reference Marker + 10 sec).

RESULTS

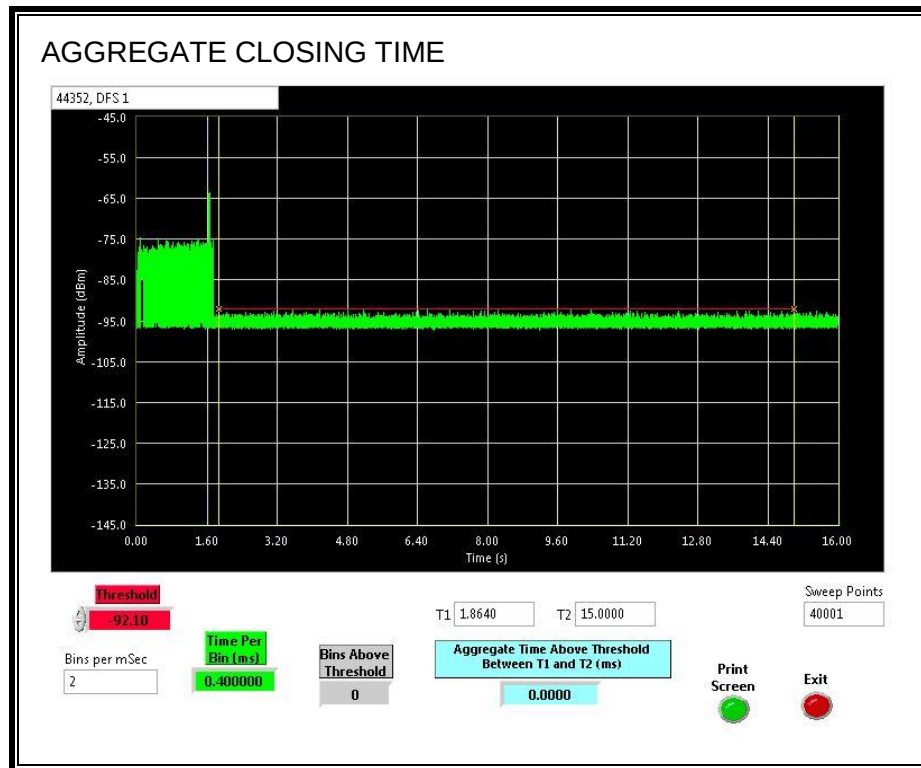
Channel Move Time (sec)	Limit (sec)
0.0668	10

Aggregate Channel Closing Transmission Time (msec)	Limit (msec)
0.0	60



AGGREGATE CHANNEL CLOSING TRANSMISSION TIME

No transmissions are observed during the aggregate monitoring period.



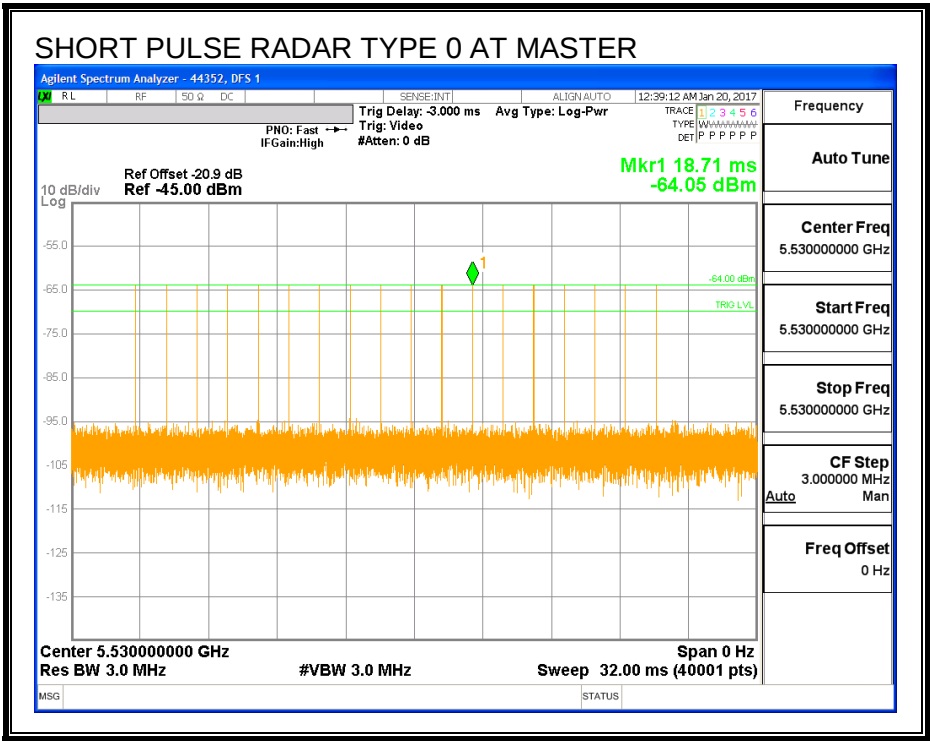
11.7. CLIENT-TO-CLIENT COMMUNICATIONS MODE RESULTS FOR 80 MHz BANDWIDTH

11.7.1. TEST CHANNEL

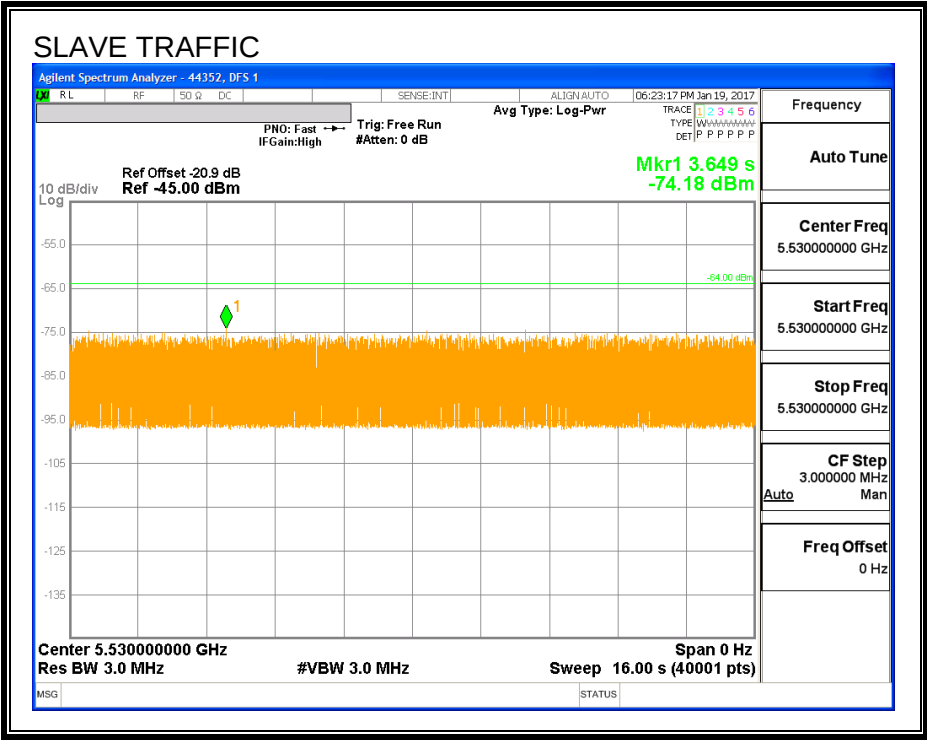
All tests were performed at a channel center frequency of 5530 MHz.

11.7.2. RADAR WAVEFORM AND TRAFFIC

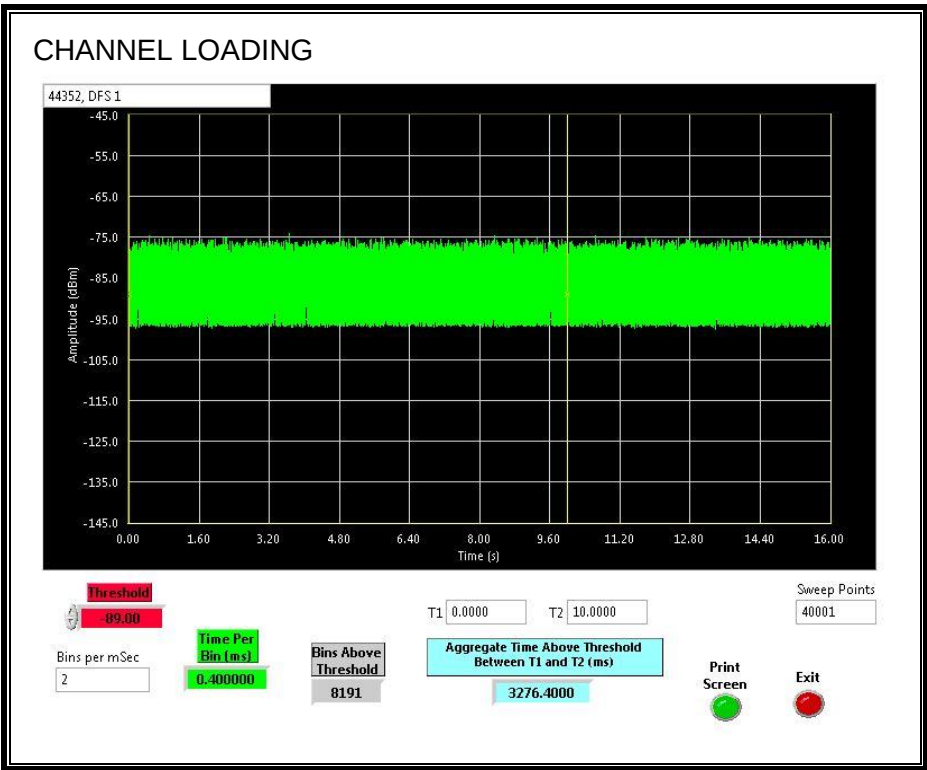
RADAR WAVEFORM



TRAFFIC



CHANNEL LOADING



The level of traffic loading on the channel by the EUT is 32.764%

11.7.3. OVERLAPPING CHANNEL TESTS

RESULTS

These tests are not applicable.

11.7.4. MOVE AND CLOSING TIME

REPORTING NOTES

The reference marker is set at the end of last radar pulse.

The delta marker is set at the end of the last WLAN transmission following the radar pulse. This delta is the channel move time.

The aggregate channel closing transmission time is calculated as follows:

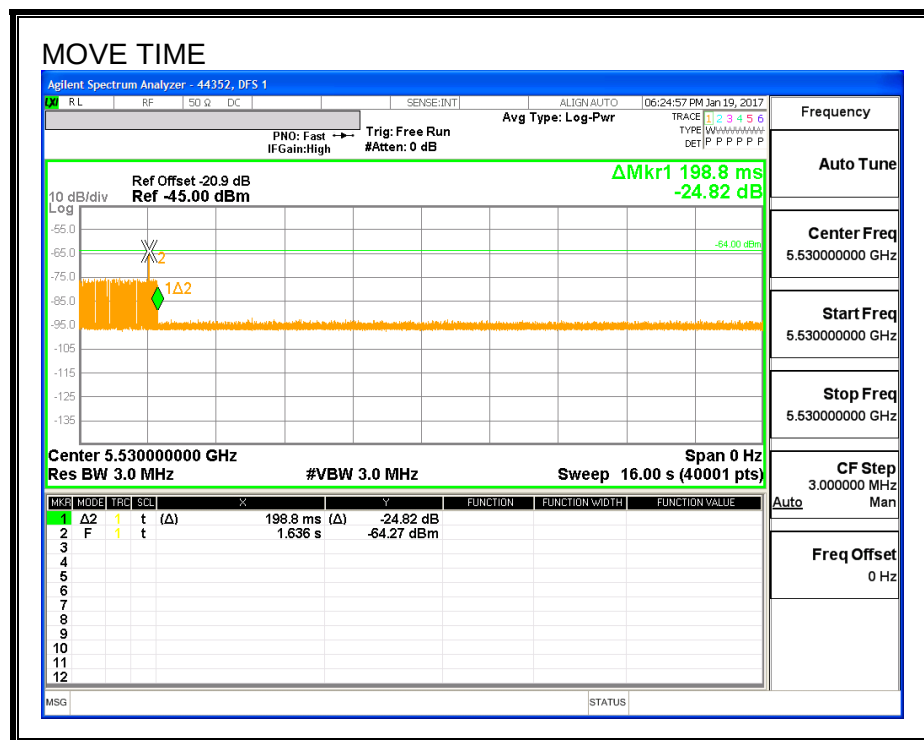
Aggregate Transmission Time =
(Number of analyzer bins showing transmission) * (dwell time per bin)

The observation period over which the aggregate time is calculated begins at (Reference Marker + 200 msec) and ends no earlier than (Reference Marker + 10 sec).

RESULTS

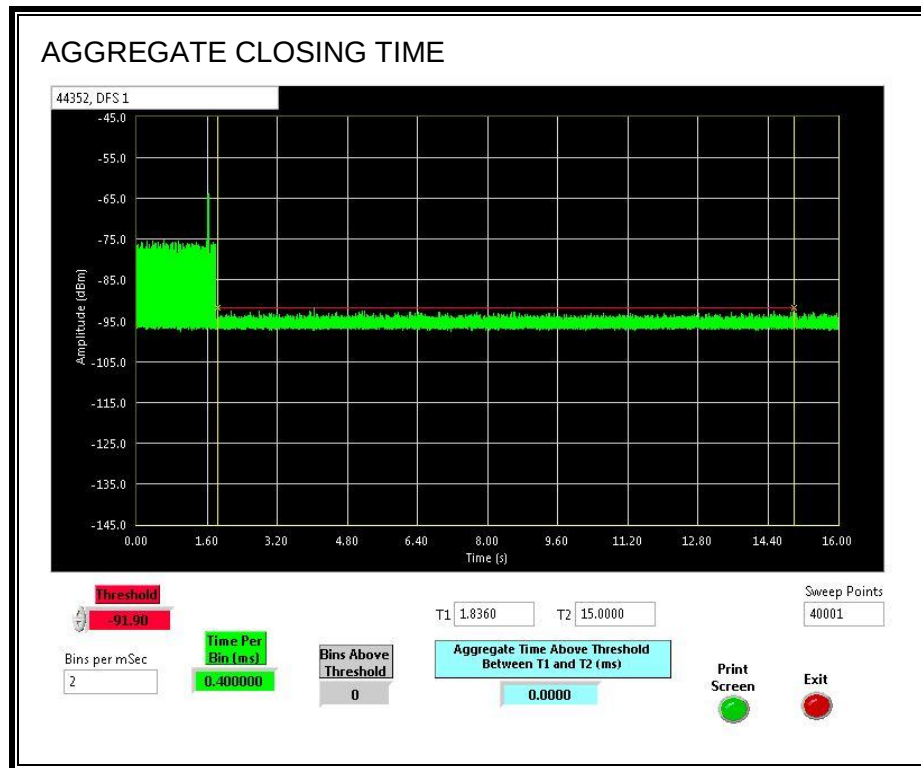
Channel Move Time (sec)	Limit (sec)
0.1988	10

Aggregate Channel Closing Transmission Time (msec)	Limit (msec)
0.0	60



AGGREGATE CHANNEL CLOSING TRANSMISSION TIME

Only intermittent transmissions are observed during the aggregate monitoring period.



11.7.5. 10-MINUTE CLIENT Tx MONITORING PERIOD

RESULTS

No EUT transmissions were observed on the test channel during the 10-minute observation time.

