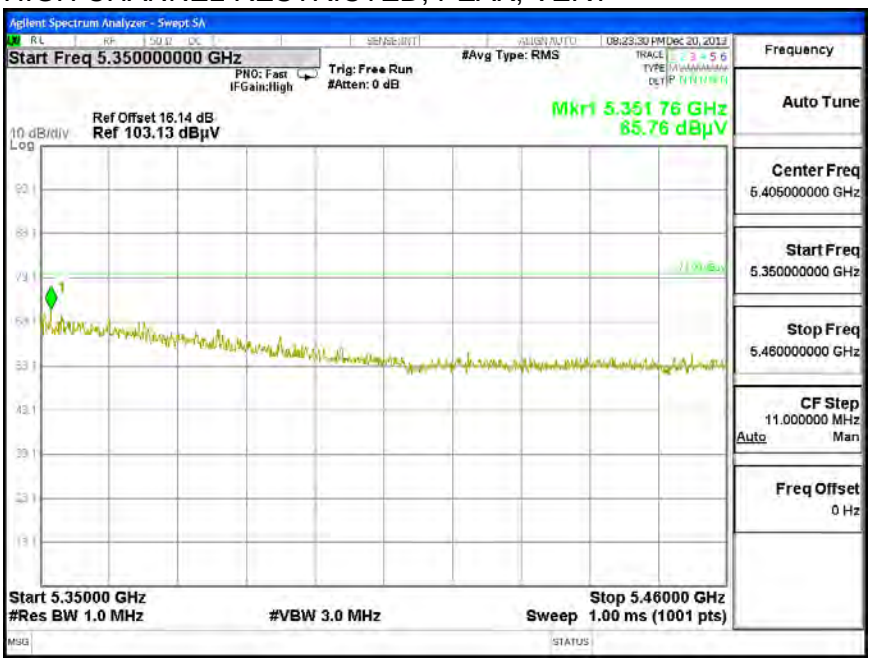
HIGH CHANNEL RESTRICTED, PEAK, VERT



HIGH CHANNEL RESTRICTED, AVERAGE, VERT

HARMONICS AND SPURIOUS EMISSIONS

CH 58 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.192	54.19	PK	28.9	-35.2	0	47.89	54	-6.11	74	-26.11	0-360	200	V
* 2.783	49.91	PK	33.2	-32.5	0	50.61	54	-3.39	74	-23.39	0-360	200	V
2.993	49.19	PK	33.2	-32.1	0	50.29	-	-	68.2	-17.91	0-360	101	V
* 4.773	45.9	PK	34.4	-30	0	50.3	-	-	74	-23.7	0-360	199	H
* 4.773	30.38	AD1	34.4	-30	0.3	34.78	53.97	-19.19	-	-	175	131	H
7.054	40.13	PK	36	-28.3	0	47.83	-	-	68.2	-20.37	0-360	199	H
7.054	42.94	PK	36	-28.3	0	50.64	-	-	68.2	-17.56	0-360	101	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

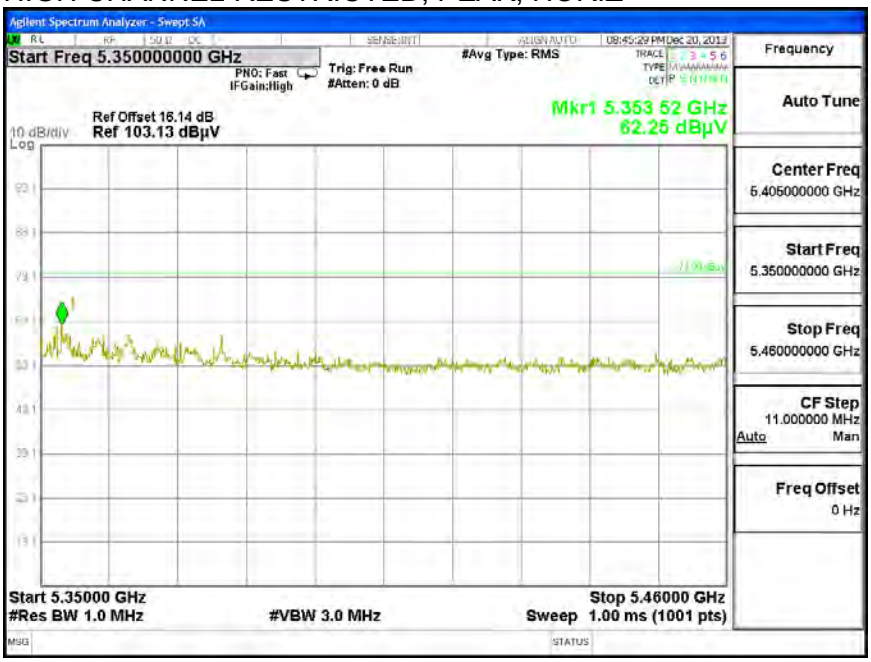
PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

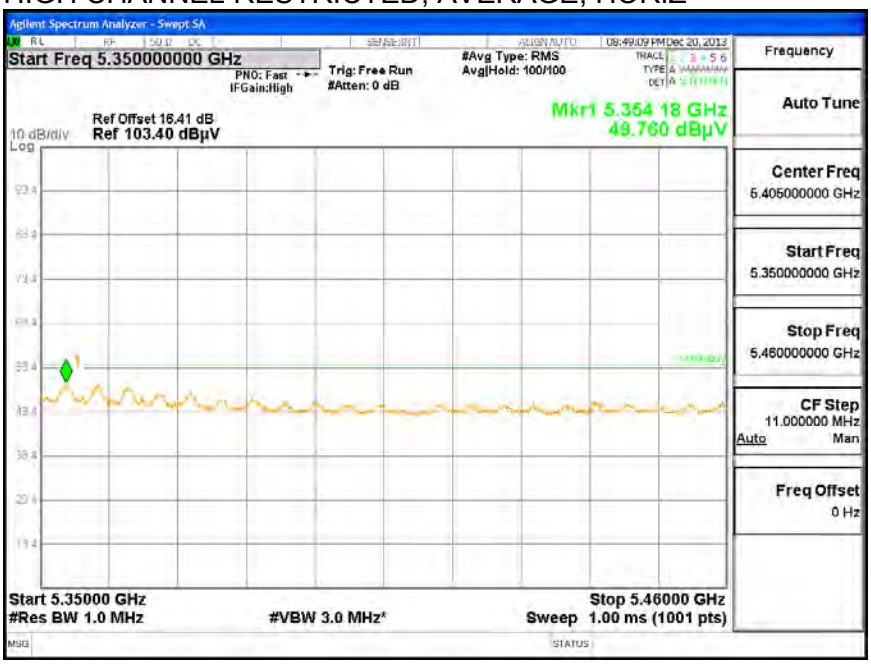
10.2.19. 802.11ac 80MHz 3TX CDD MODE IN THE 5.3 GHz BAND

RESTRICTED BANDEDGE (HIGH CHANNEL, CH 58)

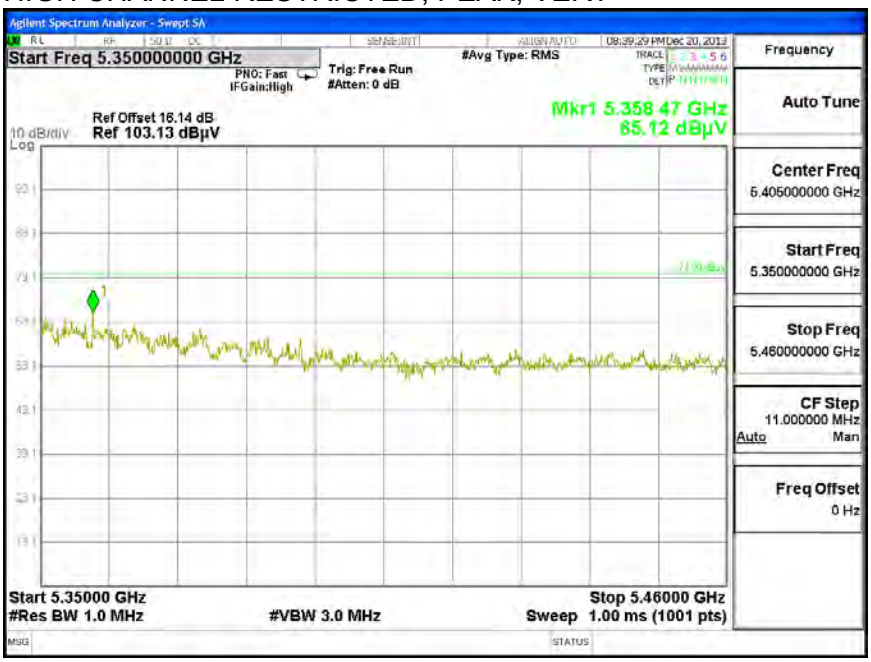
HIGH CHANNEL RESTRICTED, PEAK, HORIZ



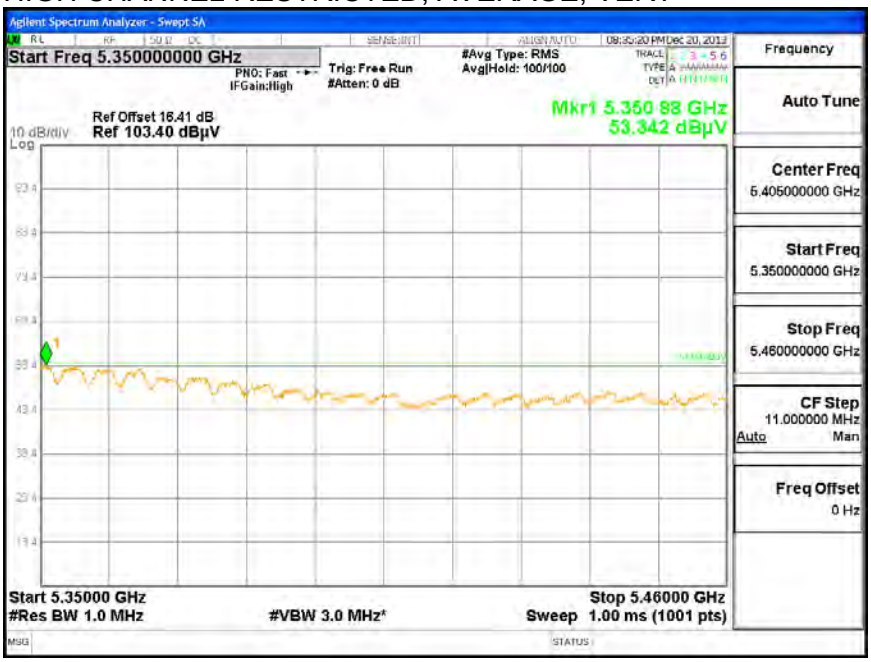
HIGH CHANNEL RESTRICTED, AVERAGE, HORIZ



HIGH CHANNEL RESTRICTED, PEAK, VERT



HIGH CHANNEL RESTRICTED, AVERAGE, VERT



HARMONICS AND SPURIOUS EMISSIONS

CH 58 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.193	51.55	PK	29.1	-32.3	0	48.35	54	-5.65	74	-25.65	0-360	101	V
2.599	47.03	PK	32.6	-30	0	49.63	-	-	68.2	-18.57	0-360	101	V
2.601	46.61	PK	32.6	-29.9	0	49.31	-	-	68.2	-18.89	0-360	101	H
* 2.777	50.08	PK	32.7	-30.3	0	52.48	-	-	74	-21.52	0-360	101	V
* 2.777	35.52	AD1	32.9	-29.8	0.3	38.62	54	-15.35	-	-	295	174	V
2.981	46.25	PK	33.1	-30.2	0	49.15	-	-	68.2	-19.05	0-360	101	V
5.879	45	PK	35.2	-18.9	0	61.3	-	-	68.2	-6.9	0-360	200	V
7.053	44.5	PK	35.7	-26.4	0	53.8	-	-	68.2	-14.4	0-360	101	V
7.054	43.17	PK	35.7	-26.4	0	52.47	-	-	68.2	-15.73	0-360	101	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

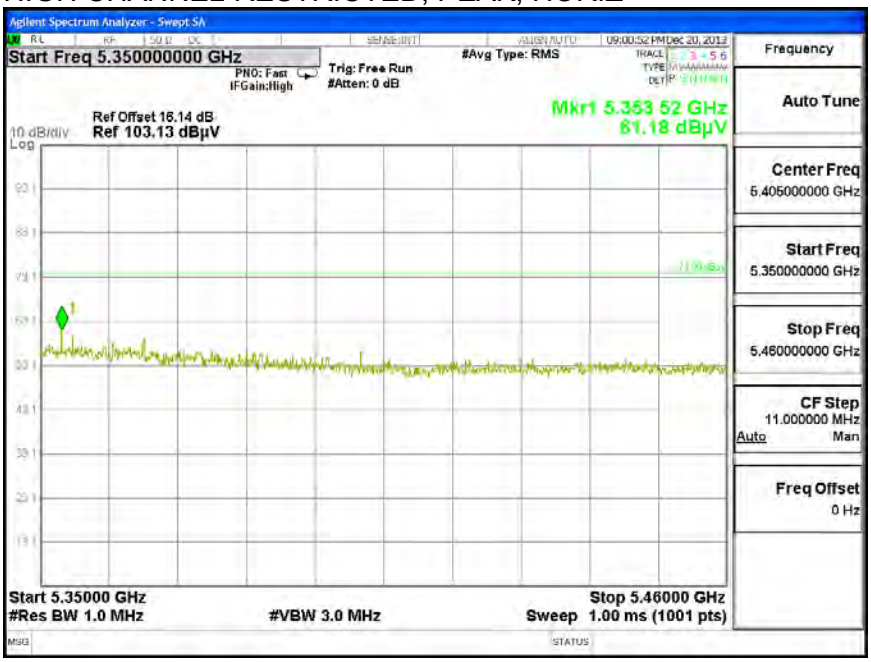
PK - Peak detector

Avg - Video bandwidth < Resolution bandwidth

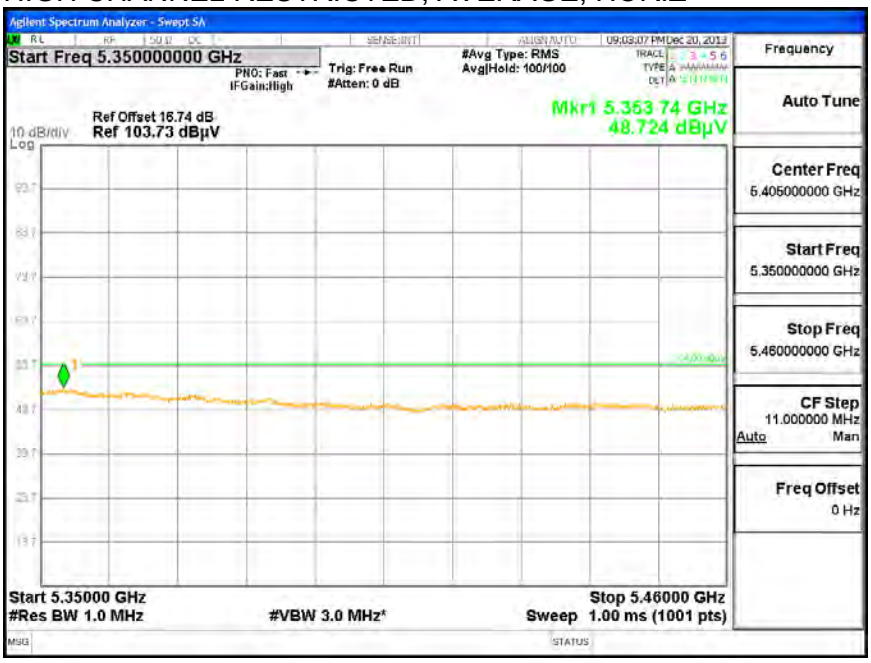
10.2.20. 802.11ac 80MHz 3TX SDM MODE IN THE 5.3 GHz BAND

RESTRICTED BANDEDGE (HIGH CHANNEL, CH 58)

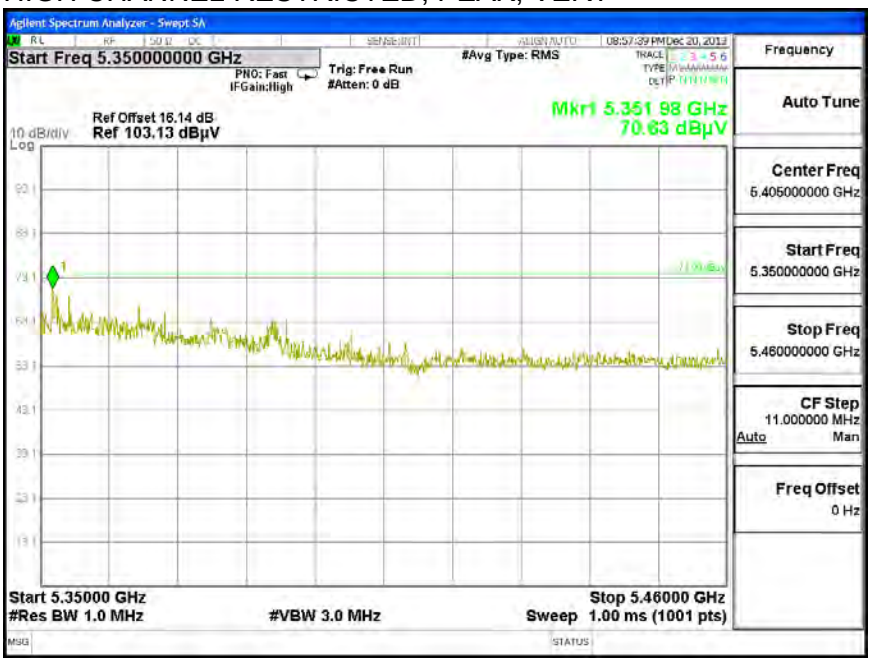
HIGH CHANNEL RESTRICTED, PEAK, HORIZ



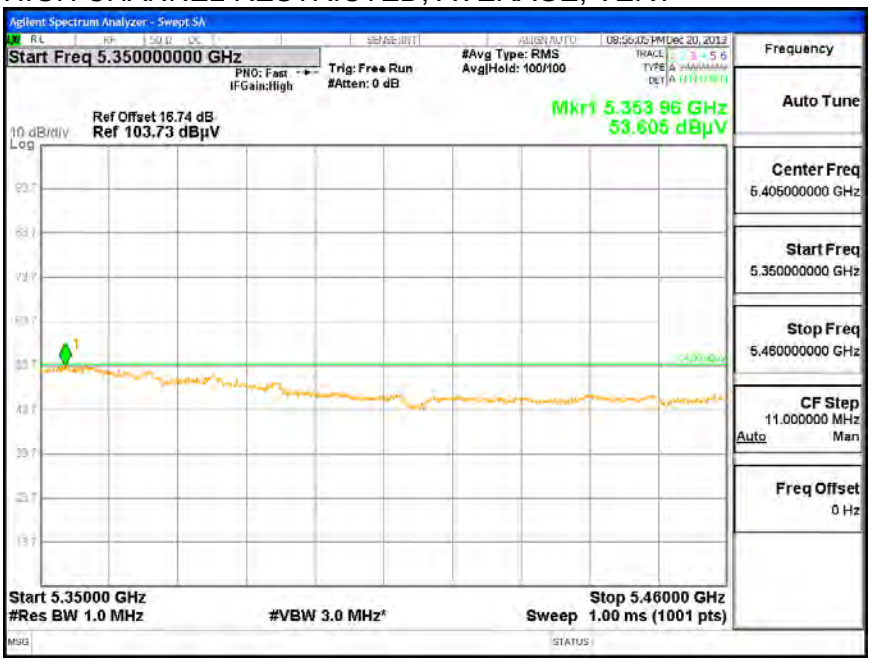
HIGH CHANNEL RESTRICTED, AVERAGE, HORIZ



HIGH CHANNEL RESTRICTED, PEAK, VERT



HIGH CHANNEL RESTRICTED, AVERAGE, VERT



HARMONICS AND SPURIOUS EMISSIONS

CH 58 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.991	47.64	PK	31.6	-30.9	0	48.34	-	-	68.2	-19.86	0-360	101	V
* 2.787	48.91	PK	32.7	-30.3	0	51.31		-	74	-22.69	0-360	101	V
* 2.787	35.52	AD1	32.9	-29.8	0.6	38.62	54	-15.35	-	-	295	174	V
2.971	46.18	PK	33.1	-30.1	0	49.18	-	-	68.2	-19.02	0-360	101	V
5.879	45.38	PK	35.2	-18.9	0	61.68	-	-	68.2	-6.52	0-360	101	V
7.053	42.8	PK	35.7	-26.4	0	52.1	-	-	68.2	-16.1	0-360	101	H
7.054	45.14	PK	35.7	-26.4	0	54.44	-	-	68.2	-13.76	0-360	101	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

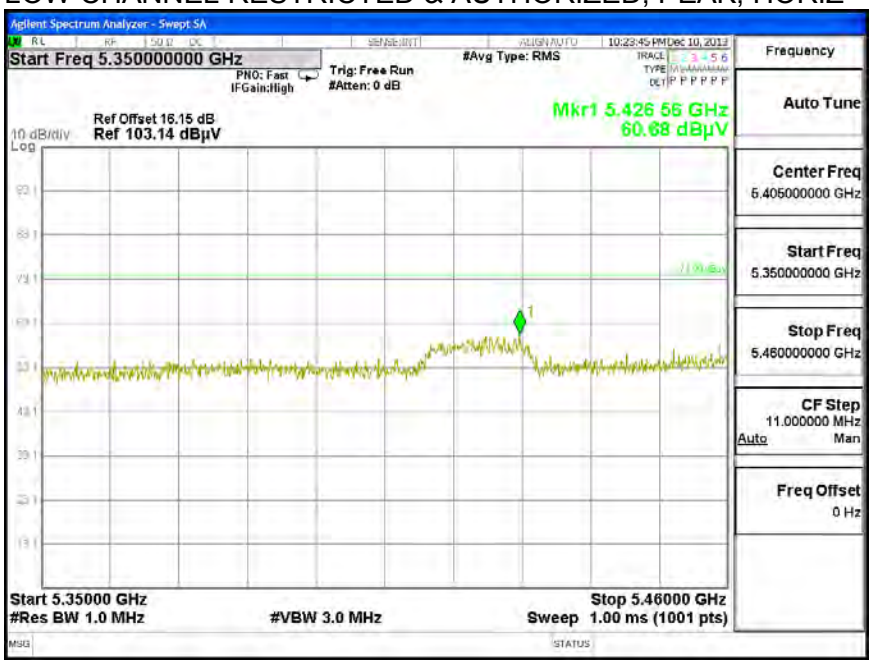
PK - Peak detector

Avg - Video bandwidth < Resolution bandwidth

10.2.21. 802.11a 1TX SISO MODE IN THE 5.6 GHz BAND

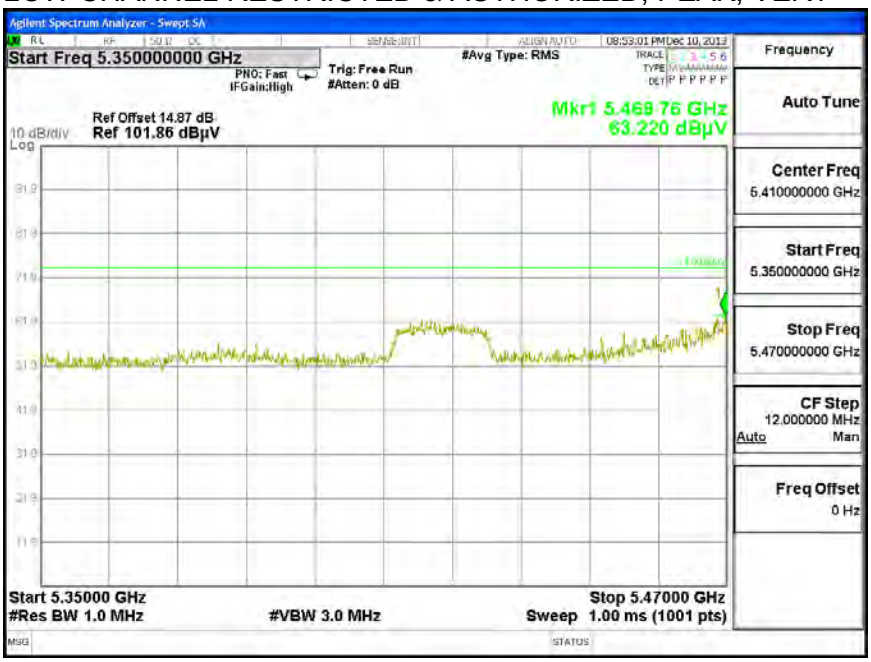
RESTRICTED & AUTHORIZED BANDEDGE (LOW CHANNEL, CH 100)

LOW CHANNEL RESTRICTED & AUTHORIZED, PEAK, HORIZ

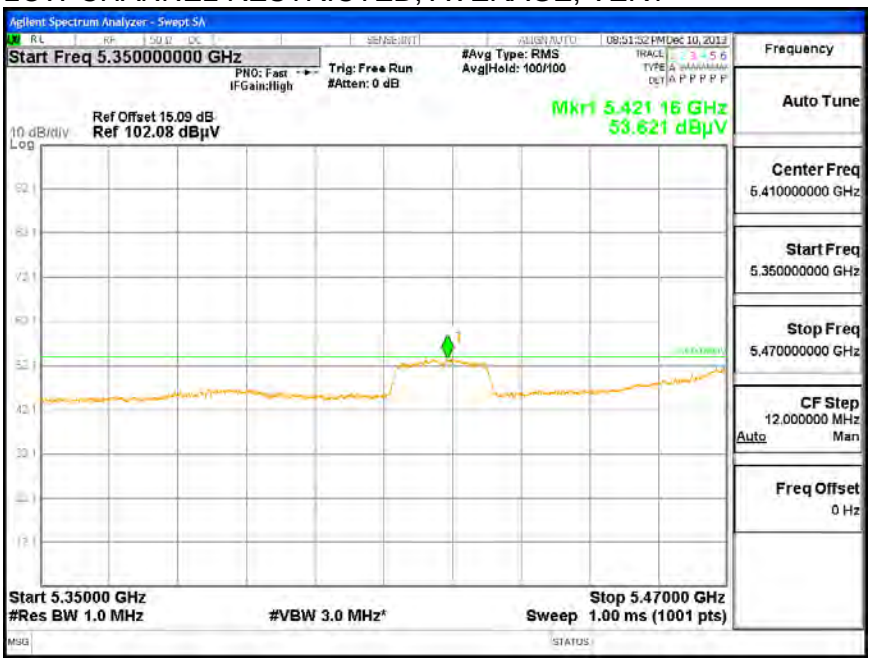


LOW CHANNEL RESTRICTED, AVERAGE, HORIZ

LOW CHANNEL RESTRICTED & AUTHORIZED, PEAK, VERT

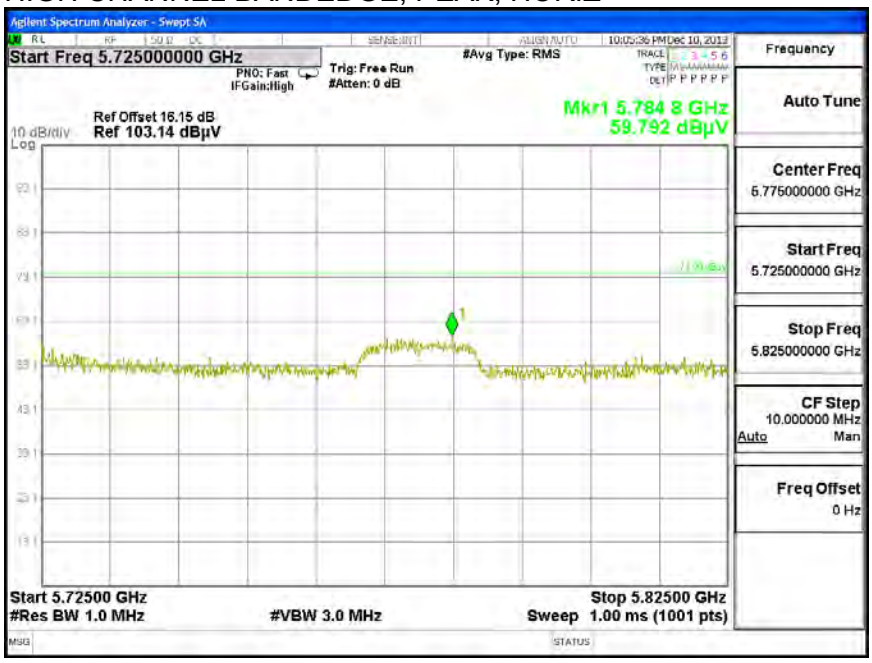


LOW CHANNEL RESTRICTED, AVERAGE, VERT



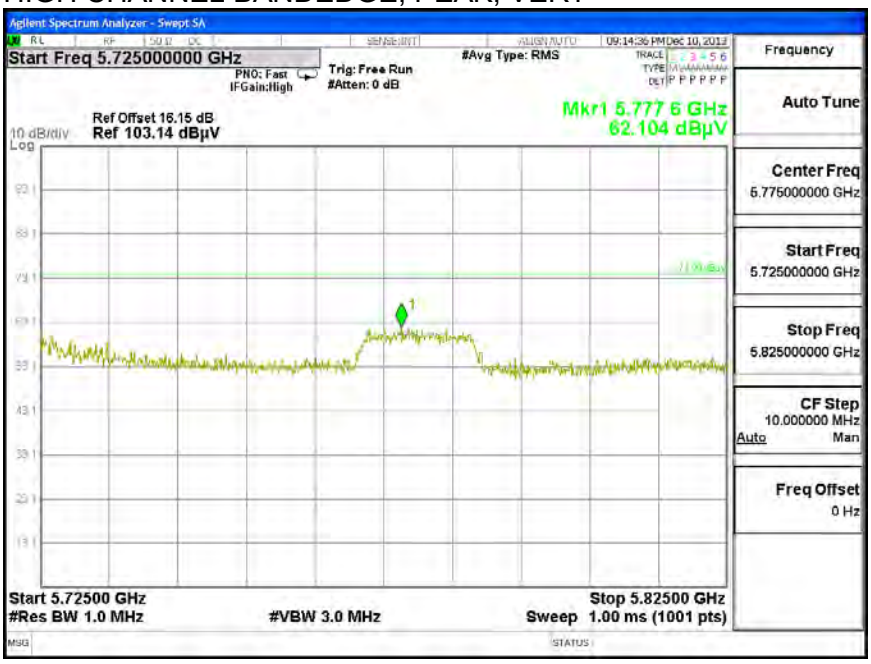
AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 140)

HIGH CHANNEL BANDEDGE, PEAK, HORIZ



HIGH CHANNEL BANDEDGE, AVERAGE, HORIZ

HIGH CHANNEL BANDEDGE, PEAK, VERT



HIGH CHANNEL BANDEDGE, AVERAGE, VERT

HARMONICS AND SPURIOUS EMISSIONS

CH 100 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (db/m)	Amp/Cbl/ Fltr/Pad	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.379	66.92	PK	32.4	-30.9	0	68.42	-	-	74	-5.58	0-360	100	H
* 2.379	50.60	AD1	32.4	-30.9	.2	52.30	54	-1.70	-	-	322	201	H
* 2.387	63.98	PK	32.4	-30.8	0	65.58	-	-	74	-8.42	0-360	201	V
* 2.387	44.94	AD1	32.4	-30.8	.2	46.74	54	-7.26	-	-	56	240	V
* 3.968	59.63	PK	33.8	-29.3	0	64.13	-	-	74	-9.87	0-360	100	V
* 3.968	38.91	AD1	33.8	-29.2	.2	43.71	54	-10.29	-	-	335	110	V
* 4.000	51.46	PK	33.8	-29.3	0	55.96	-	-	74	-18.04	0-360	201	H
* 4.000	35.73	AD1	33.8	-29.3	.2	40.43	54	-13.57	-	-	3	304	H
* 5.049	49.20	PK	34.4	-25.7	0	57.90	-	-	74	-16.10	0-360	201	V
* 5.049	41.61	AD1	34.4	-25.9	.2	50.31	54	-3.69	-	-	211	104	V
* 5.419	44.24	PK	34.8	-18.3	0	60.74	-	-	74	-13.26	0-360	100	V
* 5.419	36.96	AD1	34.8	-18.3	.2	53.66	54	-0.34	-	-	226	120	V
* 5.420	41.23	PK	34.8	-18.3	0	57.73	-	-	74	-16.27	0-360	201	H
* 5.420	31.41	AD1	34.8	-18.3	.2	48.11	54	-5.89	-	-	171	115	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

Avg - Video bandwidth < Resolution bandwidth

AD1 - KDB 789033 Method: AD Primary Power Average

CH 116 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (db/m)	Amp/Cbl/ Fltr/Pad	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.385	67.14	PK	32.4	-30.8	0	68.74	-	-	74	-5.26	0-360	201	H
*2.385	51.26	AD1	32.4	-30.7	.2	53.16	54	-0.84	-	-	310	230	H
* 2.372	60.37	PK	32.4	-30.8	0	61.97	-	-	74	-12.03	0-360	201	V
* 2.372	44.01	AD1	32.4	-30.8	.2	45.81	54	-8.19	-	-	317	184	V
* 3.961	58.52	PK	33.8	-29.2	0	63.12	-	-	74	-10.88	0-360	100	V
* 3.961	33.57	AD1	33.8	-29.2	.2	38.37	54	-15.63	-	-	193	271	V
* 3.974	52.62	PK	33.8	-29.4	0	57.02	-	-	74	-16.98	0-360	201	H
* 3.974	38.61	AD1	33.8	-29.4	.2	43.21	54	-10.79	-	-	318	169	H
* 5.116	45.02	PK	34.5	-18.3	0	61.22	-	-	74	-12.78	0-360	100	V
* 5.116	36.10	AD1	34.5	-18.3	.2	52.50	54	-1.50	-	-	217	118	V
* 5.109	41.72	PK	34.5	-18.4	0	57.82	-	-	74	-16.18	0-360	100	H
* 5.109	30.05	AD1	34.5	-18.3	.2	46.45	54	-7.55	-	-	242	151	H
* 5.421	44.60	PK	34.8	-18.3	0	61.10	-	-	74	-12.90	0-360	100	V
* 5.421	35.58	AD1	34.8	-18.3	.2	52.28	54	-1.72	-	-	95	124	V
* 5.422	41.75	PK	34.8	-18.3	0	58.25	-	-	74	-15.75	0-360	100	H
* 5.422	30.80	AD1	34.8	-18.3	.2	47.50	54	-6.50	-	-	316	160	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

CH 140 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (db/m)	Amp/Cbl/ Fltr/Pad	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.377	60.96	PK	32.4	-30.8	0	62.56	-	-	74	-11.44	0-360	201	V
* 2.377	43.15	AD1	32.4	-30.9	.2	44.85	54	-9.15	-	-	110	198	V
* 2.386	62.98	PK	32.4	-30.8	0	64.58	-	-	74	-9.42	0-360	201	H
* 2.386	51.03	AD1	32.4	-30.8	.2	52.83	54	-1.17	-	-	301	284	H
* 2.774	50.10	PK	32.9	-29.7	0	53.30	-	-	74	-20.70	0-360	100	V
* 2.774	36.92	AD1	32.9	-29.8	.2	40.22	54	-13.78	-	-	316	136	V
* 3.965	53.09	PK	33.8	-29.2	0	57.69	-	-	74	-16.31	0-360	201	H
* 3.965	35.35	AD1	33.8	-29.1	.2	40.25	54	-13.75	-	-	358	389	H
* 3.980	56.36	PK	33.8	-29.3	0	60.86	-	-	74	-13.14	0-360	100	V
* 3.980	41.27	AD1	33.8	-29.4	.2	45.87	54	-8.13	-	-	323	117	V
* 4.794	44.47	PK	34.4	-27.3	0	51.57	-	-	74	-22.43	0-360	100	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

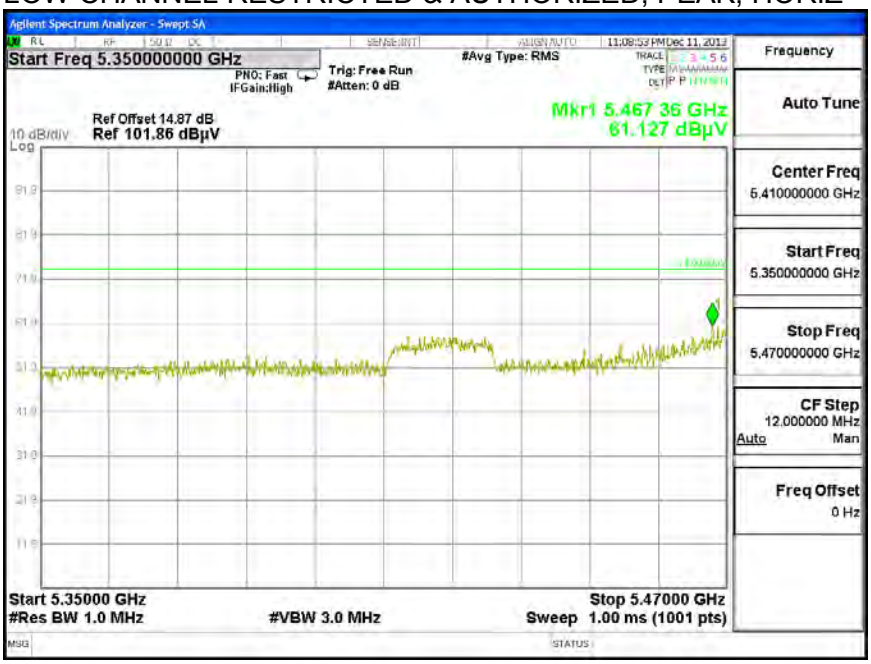
PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

10.2.22. 802.11n HT20 1TX SISO MODE IN THE 5.6 GHz BAND

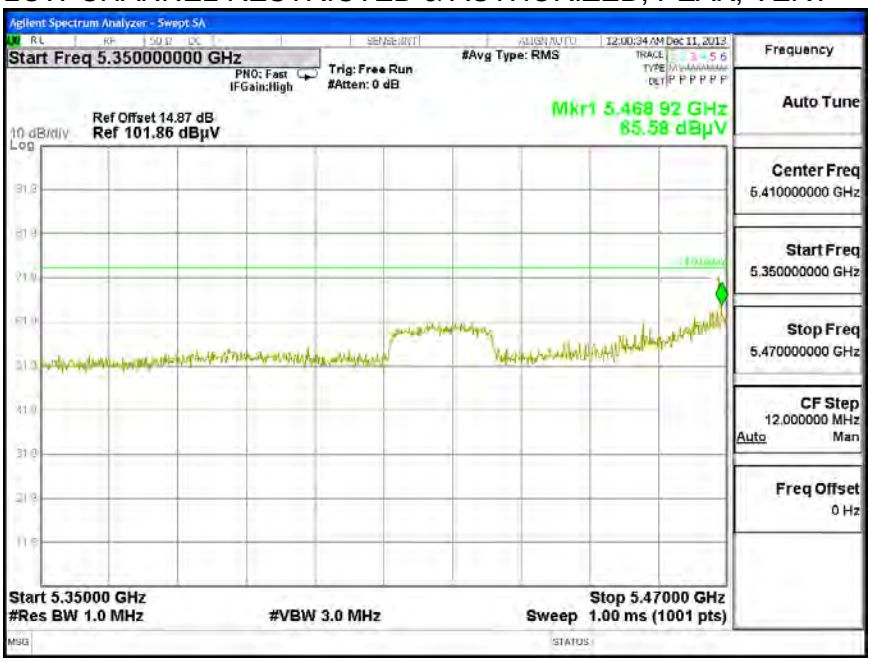
RESTRICTED & AUTHORIZED BANDEDGE (LOW CHANNEL, CH 100)

LOW CHANNEL RESTRICTED & AUTHORIZED, PEAK, HORIZ



LOW CHANNEL RESTRICTED, AVERAGE, HORIZ

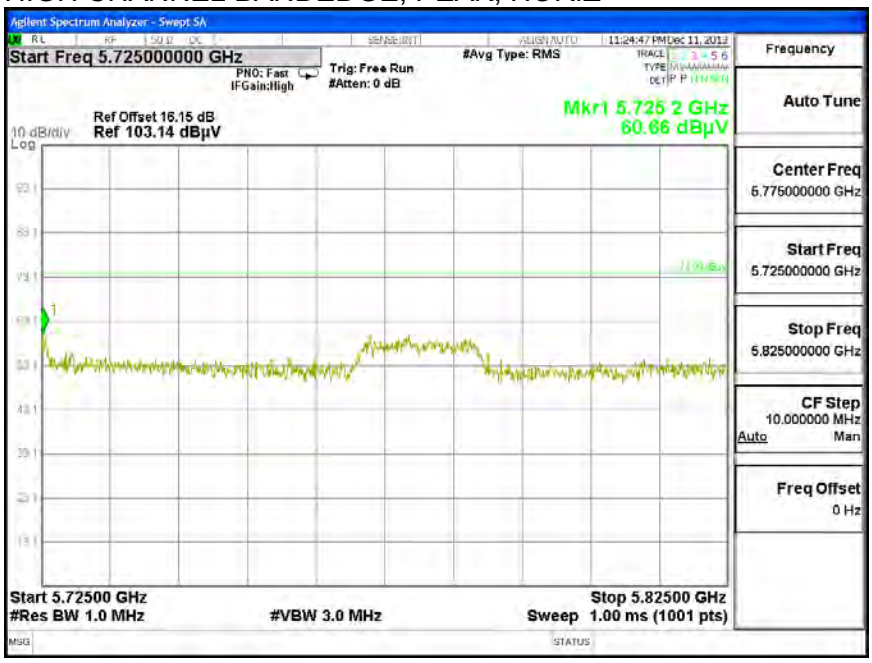
LOW CHANNEL RESTRICTED & AUTHORIZED, PEAK, VERT



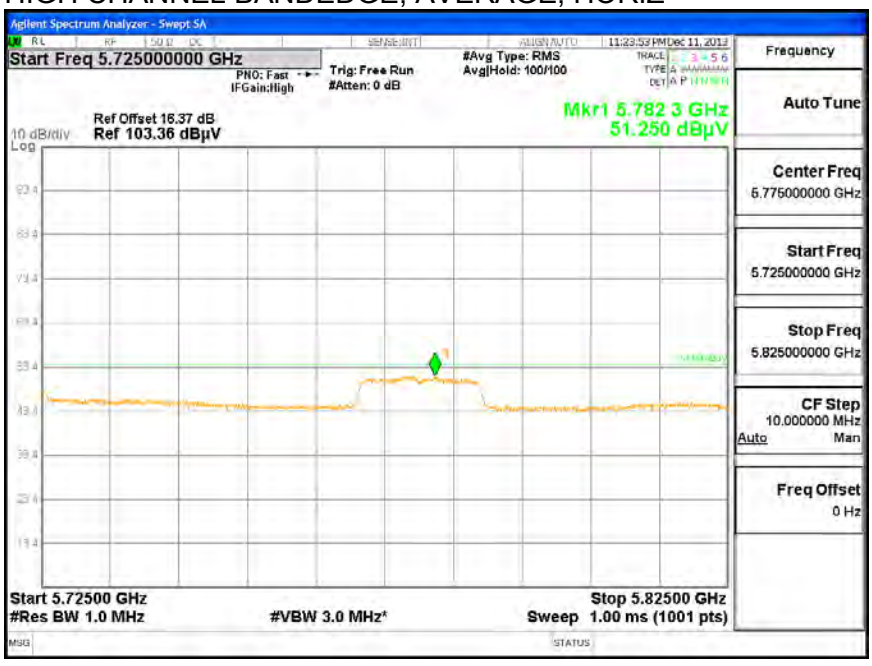
LOW CHANNEL RESTRICTED, AVERAGE, VERT

AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 140)

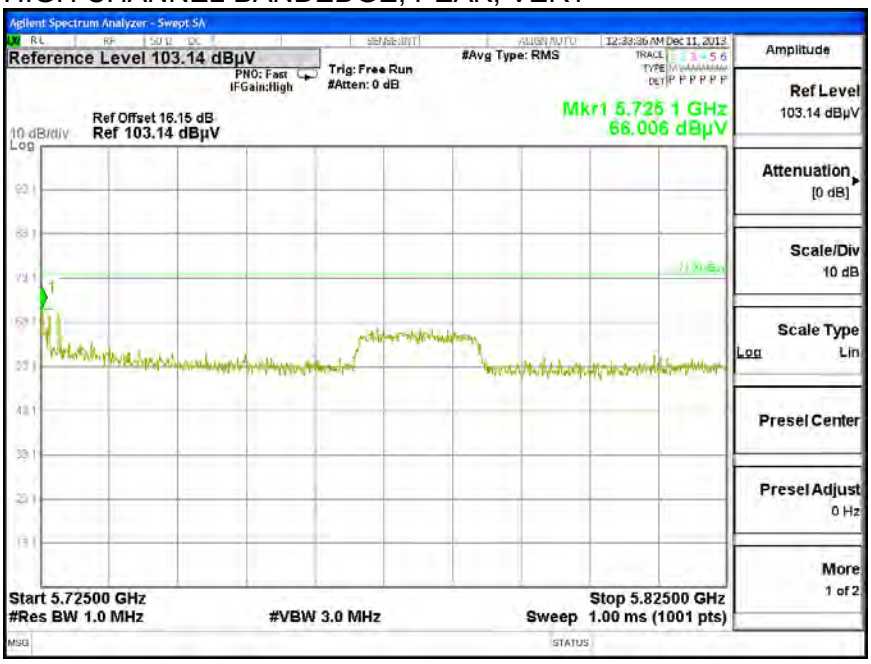
HIGH CHANNEL BANDEDGE, PEAK, HORIZ



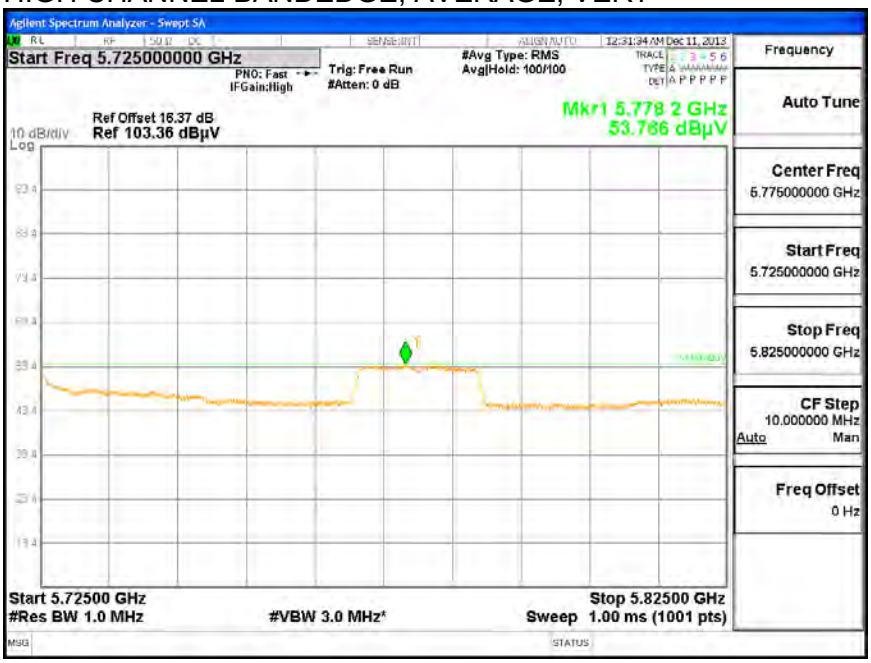
HIGH CHANNEL BANDEDGE, AVERAGE, HORIZ



HIGH CHANNEL BANDEDGE, PEAK, VERT



HIGH CHANNEL BANDEDGE, AVERAGE, VERT



HARMONICS AND SPURIOUS EMISSIONS

CH 100 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 5.043	50.36	PK	34.1	-26.5	0	57.96	-	-	74	-16.04	0-360	101	V
* 5.043	32.75	AD1	34.2	-19.2	.2	47.95	54	-6.05	-	-	5	209	V
5.339	47.82	PK	34.5	-19.3	0	63.02	-	-	68.2	-5.18	0-360	200	H
* 5.423	43.74	PK	34.6	-19.7	0	58.64	-	-	74	-15.36	0-360	101	H
* 5.423	36.5	AD1	34.6	-19.7	.2	51.6	54	-2.4	-	-	185	142	H
* 5.423	46.09	PK	34.6	-19.7	0	60.99	-	-	74	-13.01	0-360	101	V
* 5.423	37.9	AD1	34.6	-19.7	.2	53	54	-1	-	-	165	119	V
5.665	48.46	PK	34.8	-19	0	64.26	-	-	68.2	-3.94	0-360	200	H
16.494	36.17	PK	41.6	-22.2	0	55.57	-	-	68.2	-12.63	0-360	101	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

CH 116 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	47.8	PK	31.6	-30.9	0	48.5	-	-	68.2	-19.7	0-360	101	V
2.585	47.62	PK	32.6	-30.2	0	50.02	-	-	68.2	-18.18	0-360	101	H
*5.116	43.94	PK	34.2	-19	0	59.14	-	-	74	-14.86	0-360	101	V
* 5.116	37.94	AD1	34.2	-19.1	.2	53.24	54	-.76	-	--	102	177	V
*5.421	46.69	PK	34.6	-19.7	0	61.59	-	-	74	-12.41	0-360	199	V
* 5.421	37.52	AD1	34.6	-19.7	.2	52.62	54	-1.38	-	-	197	131	V
5.747	45.49	PK	34.9	-18.5	0	61.89	-	-	68.2	-6.31	0-360	101	V
6.046	40.47	PK	35.4	-18.7	0	57.17	-	-	68.2	-11.03	0-360	101	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

Avg - Video bandwidth < Resolution bandwidth

CH 140 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.595	46.53	PK	32.6	-30.1	0	49.03	-	-	68.2	-19.17	0-360	101	H
5.23	42.1	PK	34.4	-19.2	0	57.3	-	-	68.2	-10.9	0-360	200	H
5.779	43.07	PK	35	-18.4	0	59.67	-	-	68.2	-8.53	0-360	200	H
5.856	43.63	PK	35.1	-18.6	0	60.13	-	-	68.2	-8.07	0-360	101	H
6.177	41.97	PK	35.4	-26.6	0	50.77	-	-	68.2	-17.43	0-360	200	H
2.586	45.97	PK	32.6	-30.2	0	48.37	-	-	68.2	-19.83	0-360	201	V
* 2.776	50.13	PK	32.7	-30.3	0	52.53	-	-	74	-21.47	0-360	101	V
* 2.776	36.92	AD1	32.9	-29.8	.2	40.22	54	-13.78	-	-	316	136	V
2.976	48.59	PK	33.1	-30.1	0	51.59	-	-	68.2	-16.61	0-360	101	V
5.22	43.4	PK	34.3	-19.2	0	58.5	-	-	68.2	-9.7	0-360	101	V
5.778	46.81	PK	35	-18.5	0	63.31	-	-	68.2	-4.89	0-360	101	V
5.855	45.42	PK	35.1	-18.6	0	61.92	-	-	68.2	-6.28	0-360	101	V
6.175	43.58	PK	35.4	-26.5	0	52.48	-	-	68.2	-15.72	0-360	101	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

10.2.23. 802.11ac 20MHz 1TX SISO MODE, CHANNEL 144, IN THE 5.6 GHz BAND

HARMONICS AND SPURIOUS EMISSIONS

CH 144 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ 10dB Pad	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5.566	42.89	PK	35	-20.9	0	56.99	-	-	68.2	-11.21	0-360	101	H
5.567	46.84	PK	35	-21	0	60.84	-	-	68.2	-7.36	0-360	199	V
5.642	43.93	PK	35.1	-21.1	0	57.93	-	-	68.2	-10.27	0-360	101	H
5.647	48.44	PK	35.2	-21.1	0	62.54	-	-	68.2	-5.66	0-360	101	V
5.796	46.91	PK	35.5	-21.3	0	61.11	-	-	68.2	-7.09	0-360	101	V
5.8	42.22	PK	35.5	-21.2	0	56.52	-	-	68.2	-11.68	0-360	101	H
5.877	46.37	PK	35.6	-20.5	0	61.47	-	-	68.2	-6.73	0-360	101	V
5.883	44.72	PK	35.6	-20.5	0	59.82	-	-	68.2	-8.38	0-360	101	H

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ 6GHz HPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6.2	43.39	PK	35.9	-29.6	0	49.69	-	-	68.2	-18.51	0-360	201	V
6.201	39.03	PK	35.9	-29.6	0	45.33	-	-	68.2	-22.87	0-360	200	H

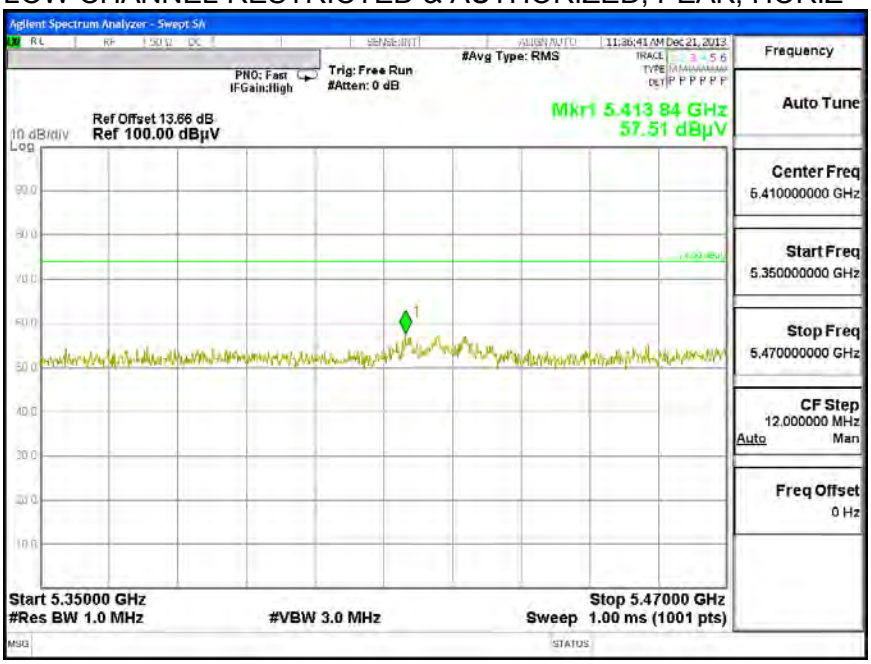
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

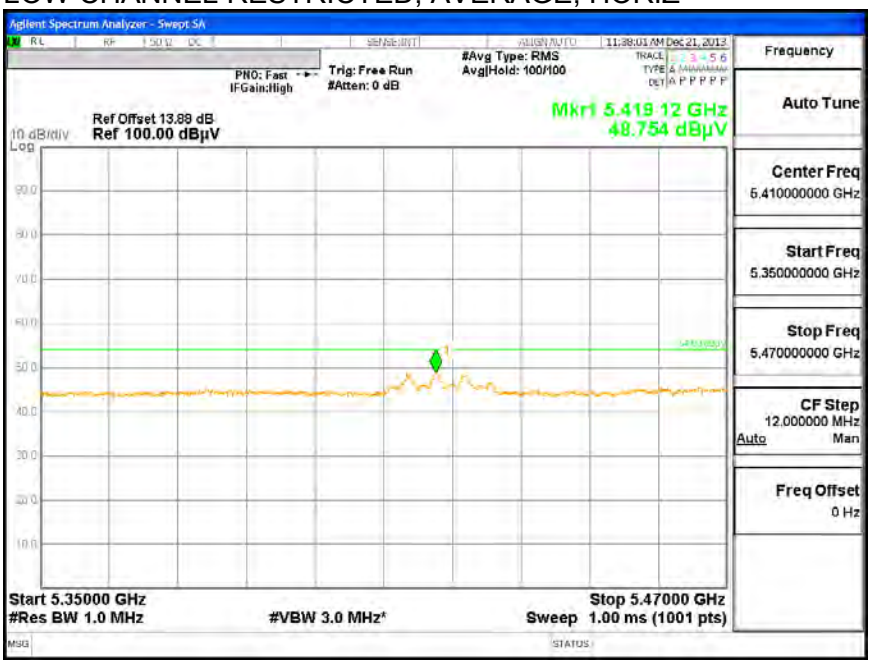
10.2.24. 802.11n HT20 3TX CDD MODE IN THE 5.6 GHz BAND

RESTRICTED & AUTHORIZED BANDEDGE (LOW CHANNEL, CH 100)

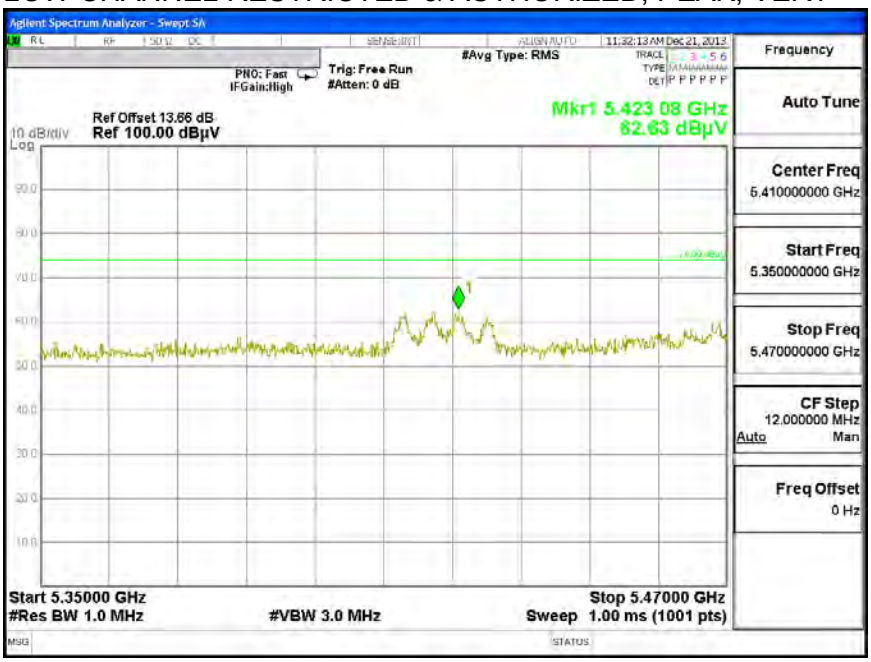
LOW CHANNEL RESTRICTED & AUTHORIZED, PEAK, HORIZ



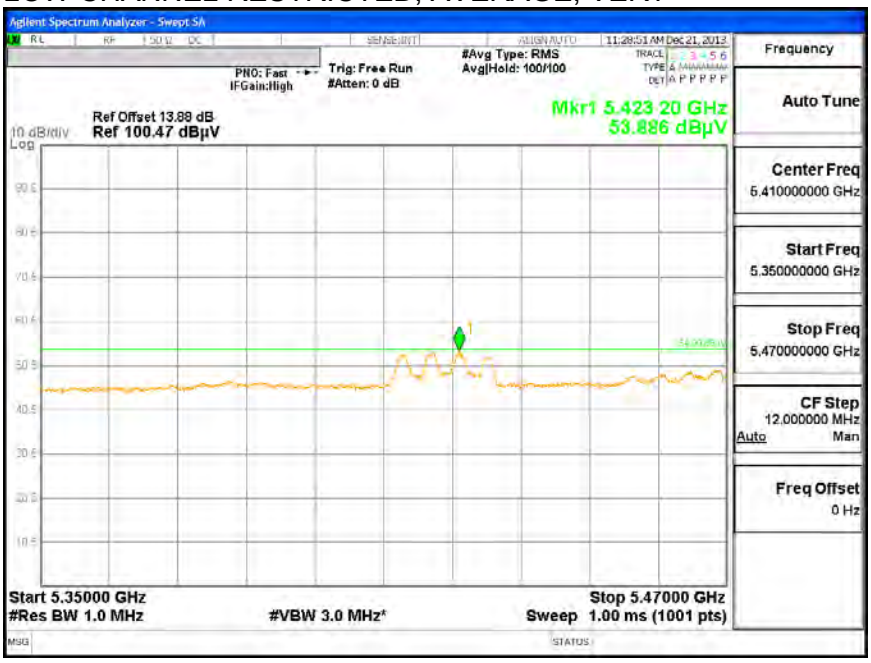
LOW CHANNEL RESTRICTED, AVERAGE, HORIZ



LOW CHANNEL RESTRICTED & AUTHORIZED, PEAK, VERT

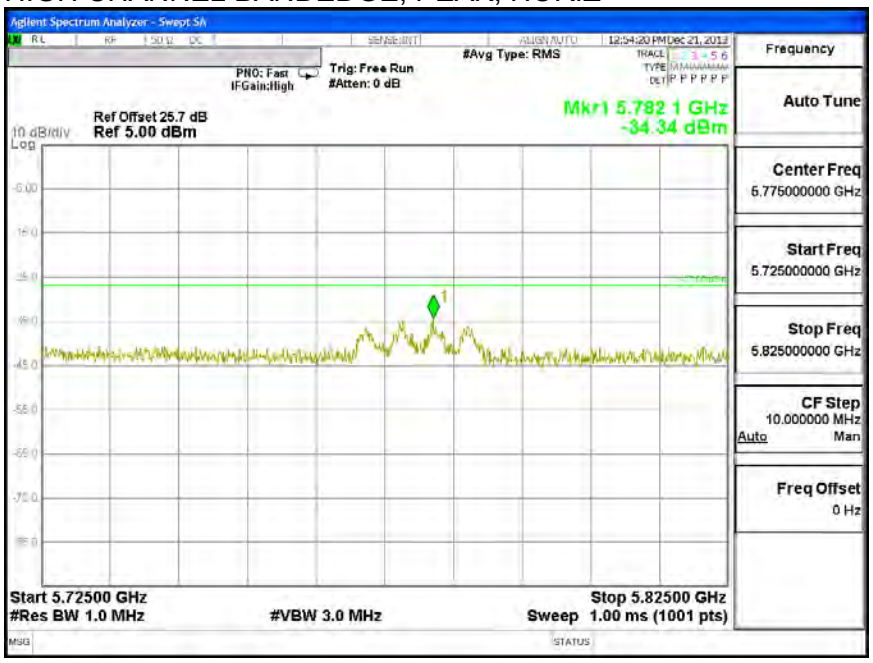


LOW CHANNEL RESTRICTED, AVERAGE, VERT

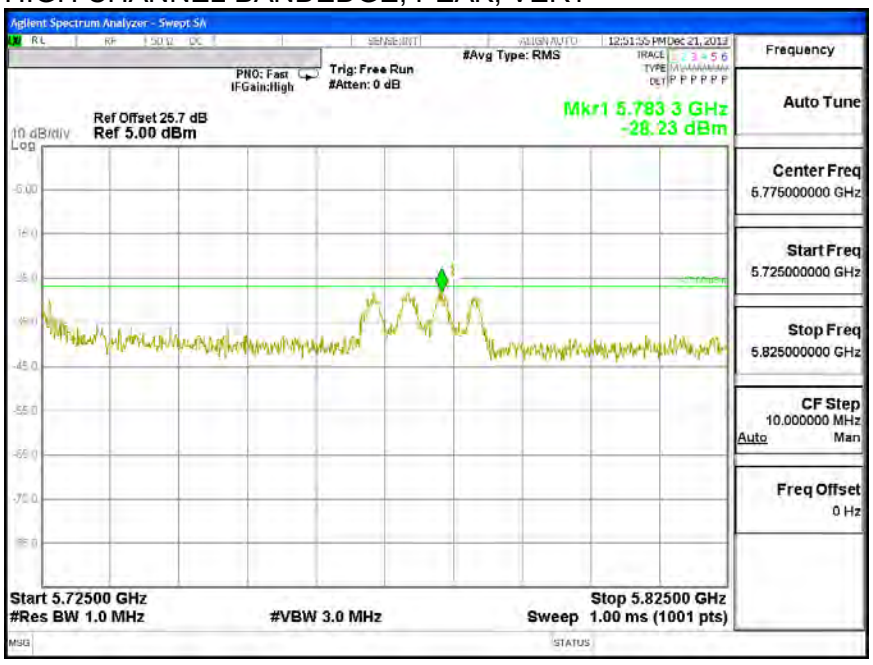


AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 140)

HIGH CHANNEL BANDEDGE, PEAK, HORIZ



HIGH CHANNEL BANDEDGE, PEAK, VERT



HARMONICS AND SPURIOUS EMISSIONS

CH 100 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.583	47.14	PK	32.6	-30.2	0	49.54	-	-	68.2	-18.66	0-360	101	H
* 2.773	45.07	PK	32.7	-30.3	0	47.47	54	-6.53	74	-26.53	0-360	200	H
5.665	44.85	PK	34.8	-19	0	60.65	-	-	68.2	-7.55	0-360	101	H
* 2.781	49.12	PK	32.7	-30.3	0	51.52	-	-	74	-22.48	0-360	101	V
* 2.781	36.92	AD1	32.9	-29.8	.2	40.22	54	-13.78	-	-	316	136	V
2.986	46.93	PK	33.1	-30.3	0	49.73	-	-	68.2	-18.47	0-360	101	V
* 3.8	44.03	PK	33.6	-29.4	0	48.23	54	-5.77	74	-25.77	0-360	101	V
* 5.042	46.21	PK	34.1	-26.5	0	53.81	-	-	74	-20.19	0-360	201	V
* 5.042	32.75	AD1	34.2	-19.2	.2	47.95	54	-6.05	-	-	5	209	V
5.669	51.55	PK	34.8	-18.9	0	67.45	-	-	68.2	-0.75	0-360	101	V
* 7.334	43.34	PK	35.7	-26.2	0	52.84	-	-	74	-21.16	0-360	101	V
* 7.334	36.08	AD1	35.9	-25.7	.2	46.48	54	-7.52	-	-	221	102	V
* 8.434	38.2	PK	36	-25.2	0	49	54	-5	74	-25	0-360	101	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

CH 116 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.451	47.63	PK	32.3	-30.6	0	49.33	-	-	68.2	-18.87	0-360	199	H
2.473	46.99	PK	32.4	-30.6	0	48.79	-	-	68.2	-19.41	0-360	199	H
2.586	47.01	PK	32.6	-30.2	0	49.41	-	-	68.2	-18.79	0-360	101	H
* 5.422	43.57	PK	34.7	-19.7	0	58.57	-	-	74	-15.43	204	104	H
* 5.422	34.55	AD1	34.6	-19.7	.2	49.65	54	-4.35	-	-	204	104	H
5.66	44.79	PK	34.8	-18.9	0	60.69	-	-	68.2	-7.51	0-360	101	H
5.733	43.34	PK	34.9	-18.7	0	59.54	-	-	68.2	-8.66	0-360	101	H
* 7.441	40.01	PK	35.8	-26.4	0	49.41	54	-4.59	74	-24.59	0-360	101	H
2.448	50.79	PK	32.3	-30.6	0	52.49	-	-	68.2	-15.71	0-360	201	V
* 2.777	49.84	PK	32.7	-30.3	0	52.24	-	-	74	-21.76	0-360	101	V
* 2.777	36.92	AD1	32.9	-29.8	.2	40.22	54	-13.78	-	-	316	136	V
2.991	47.32	PK	33.2	-30.3	0	50.22	-	-	68.2	-17.98	0-360	101	V
* 5.418	46.5	PK	34.6	-19.6	0	61.5	-	-	74	-12.5	115	113	V
* 5.418	38.15	AD1	34.6	-19.6	.2	53.35	54	-.65	-	-	115	113	V
5.666	49.04	PK	34.8	-19	0	64.84	-	-	68.2	-3.36	0-360	101	V
5.74	48.39	PK	34.9	-18.7	0	64.59	-	-	68.2	-3.61	0-360	101	V
* 7.441	40.49	PK	35.8	-26.4	0	49.89	54	-4.11	74	-24.11	0-360	101	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

CH 140 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.435	53.3	PK	32.3	-30.7	0	54.9	-	-	68.2	-13.3	0-360	101	H
2.464	48.14	PK	32.4	-30.6	0	49.94	-	-	68.2	-18.26	0-360	199	H
2.602	48.26	PK	32.6	-29.9	0	50.96	-	-	68.2	-17.24	0-360	101	H
* 2.776	45.32	PK	32.7	-30.3	0	47.72	54	-6.28	74	-26.28	0-360	199	H
5.782	42.7	PK	35	-18.4	0	59.3	-	-	68.2	-8.9	0-360	101	H
5.858	42.54	PK	35.2	-18.6	0	59.14	-	-	68.2	-9.06	0-360	101	H
* 7.601	37.59	PK	35.9	-25.5	0	47.99	54	-6.01	74	-26.01	0-360	200	H
2.444	52.4	PK	32.3	-30.6	0	54.1	-	-	68.2	-14.1	0-360	201	V
2.593	45.24	PK	32.6	-30.1	0	47.74	-	-	68.2	-20.46	0-360	201	V
3	47.45	PK	33.2	-30.3	0	50.35	-	-	68.2	-17.85	0-360	101	V
5.789	47.88	PK	35	-18.4	0	64.48	-	-	68.2	-3.72	0-360	101	V
5.859	47.1	PK	35.2	-18.6	0	63.7	-	-	68.2	-4.5	0-360	101	V
6.173	43.99	PK	35.4	-26.5	0	52.89	-	-	68.2	-15.31	0-360	101	V
7.199	38.42	PK	35.7	-26	0	48.12	-	-	68.2	-20.08	0-360	201	V
* 7.601	38.19	PK	35.9	-25.5	0	48.59	54	-5.41	74	-25.41	0-360	101	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

10.2.25. 802.11ac 20MHz 3TX CDD, CHANNEL 144, IN THE 5.6 GHz BAND

HARMONICS AND SPURIOUS EMISSIONS

CH 144 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ 10dB Pad	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5.564	47.63	PK	35	-20.9	0	61.73	-	-	68.2	-6.47	0-360	101	V
5.565	41.13	PK	35	-20.9	0	55.23	-	-	68.2	-12.97	0-360	200	H
5.643	42.13	PK	35.1	-21.1	0	56.13	-	-	68.2	-12.07	0-360	101	H
5.645	47.17	PK	35.1	-21.1	0	61.17	-	-	68.2	-7.03	0-360	200	V
5.802	42.22	PK	35.5	-21.2	0	56.52	-	-	68.2	-11.68	0-360	101	H
5.807	46.93	PK	35.5	-21.1	0	61.33	-	-	68.2	-6.87	0-360	101	V
5.877	44.6	PK	35.6	-20.5	0	59.7	-	-	68.2	-8.5	0-360	101	H
5.877	48.59	PK	35.6	-20.5	0	63.69	-	-	68.2	-4.51	0-360	101	V

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ 6GHz HPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6.197	43.28	PK	35.9	-29.6	0	49.58	-	-	68.2	-18.62	0-360	201	V

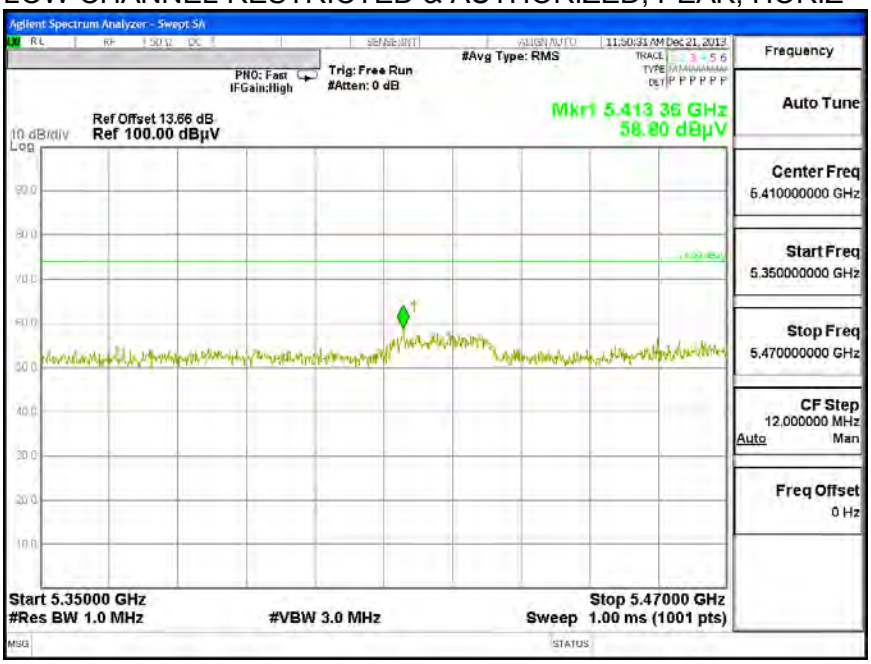
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

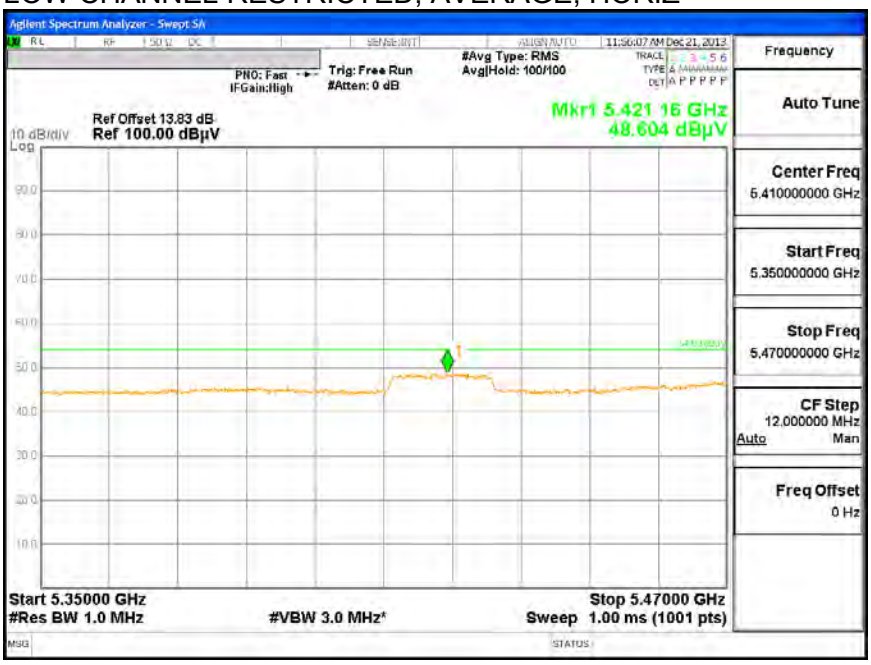
10.2.26. 802.11n HT20 3TX SDM MODE IN THE 5.6 GHz BAND

RESTRICTED & AUTHORIZED BANDEDGE (LOW CHANNEL, CH 100)

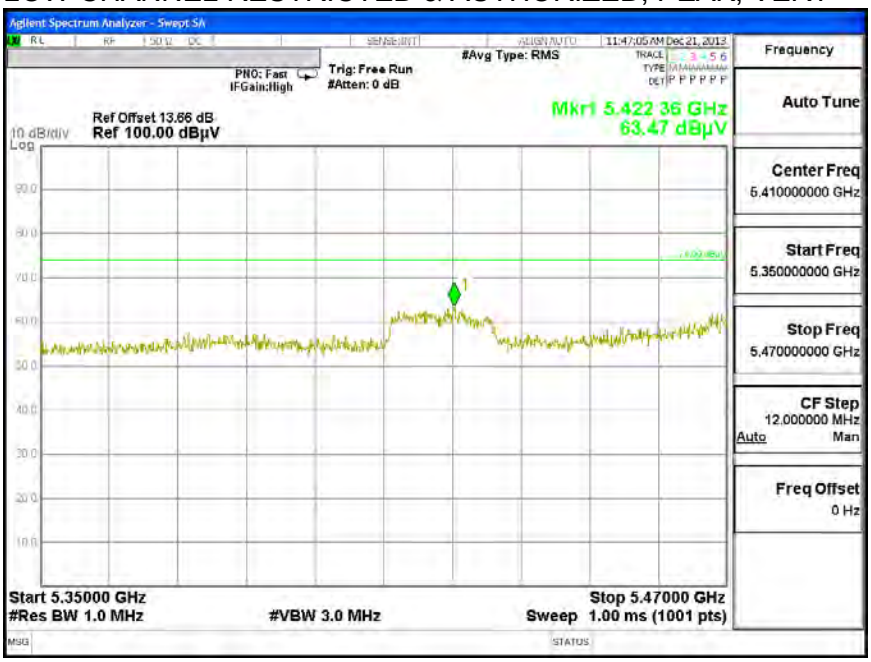
LOW CHANNEL RESTRICTED & AUTHORIZED, PEAK, HORIZ



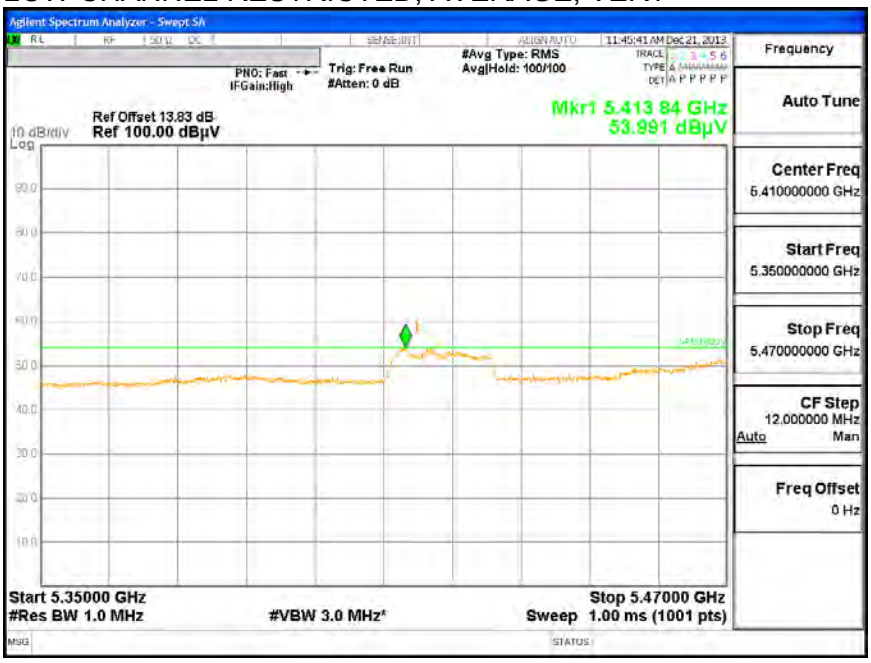
LOW CHANNEL RESTRICTED, AVERAGE, HORIZ



LOW CHANNEL RESTRICTED & AUTHORIZED, PEAK, VERT

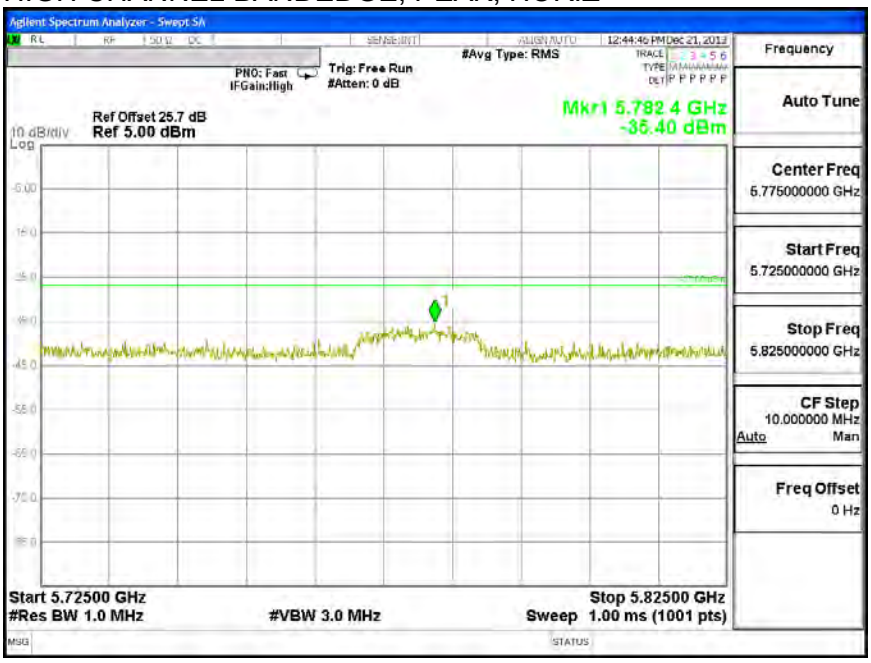


LOW CHANNEL RESTRICTED, AVERAGE, VERT

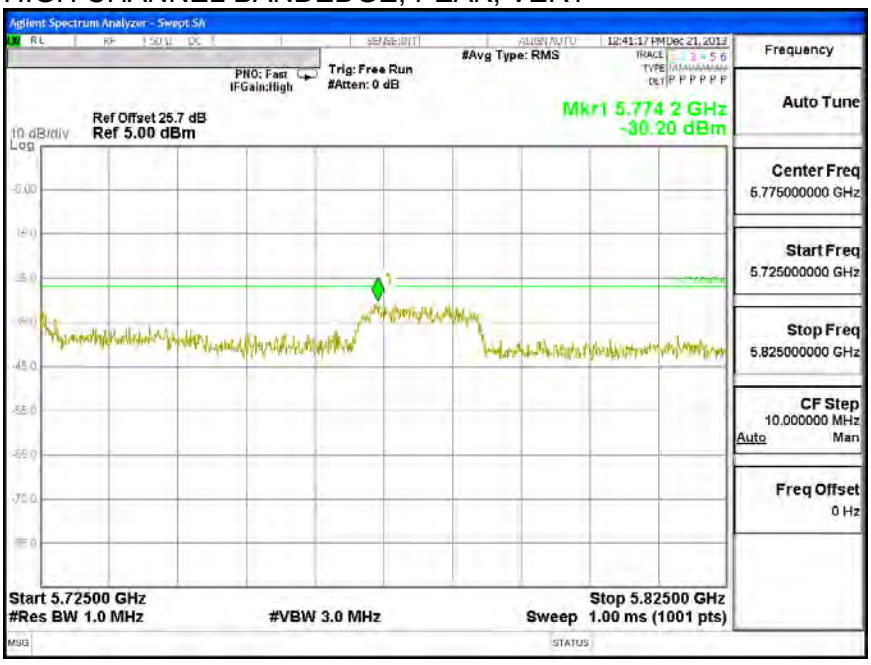


AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 140)

HIGH CHANNEL BANDEDGE, PEAK, HORIZ



HIGH CHANNEL BANDEDGE, PEAK, VERT



HARMONICS AND SPURIOUS EMISSIONS

CH 100 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.447	48.63	PK	32.3	-30.6	0	50.33	-	-	68.2	-17.87	0-360	199	H
2.48	47.42	PK	32.4	-30.5	0	49.32	-	-	68.2	-18.88	0-360	199	H
2.599	47.95	PK	32.6	-30	0	50.55	-	-	68.2	-17.65	0-360	101	H
5.659	46.33	PK	34.8	-18.9	0	62.23	-	-	68.2	-5.97	0-360	200	H
6.368	39.31	PK	35.7	-26.7	0	48.31	-	-	68.2	-19.89	0-360	199	H
6.526	39.3	PK	35.8	-26.8	0	48.3	-	-	68.2	-19.9	0-360	199	H
2.447	52.23	PK	32.3	-30.6	0	53.93	-	-	68.2	-14.27	0-360	201	V
* 2.774	50.32	PK	32.7	-30.3	0	52.72	-	-	74	-21.28	0-360	101	V
* 2.774	36.92	AD1	32.9	-29.8	.2	40.21	54	-13.79	-	-	316	136	V
2.971	47.07	PK	33.1	-30.1	0	50.07	-	-	68.2	-18.13	0-360	101	V
* 5.042	48.15	PK	34.1	-26.5	0	55.75	-	-	74	-18.25	0-360	101	V
* 5.042	32.75	AD1	34.2	-19.2	.2	47.95	54	-6.05	-	-	5	209	V
5.656	53.75	PK	34.8	-18.9	0	69.65	-	-	68.2	1.45	0-360	101	V
6.418	41.61	PK	35.7	-26.6	0	50.71	-	-	68.2	-17.49	0-360	101	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

CH 116 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.448	49.32	PK	32.3	-30.6	0	51.02	-	-	68.2	-17.18	0-360	199	H
2.466	49.16	PK	32.4	-30.6	0	50.96	-	-	68.2	-17.24	0-360	199	H
2.606	47.8	PK	32.6	-29.9	0	50.5	-	-	68.2	-17.7	0-360	101	H
5.664	43.31	PK	34.8	-19	0	59.11	-	-	68.2	-9.09	0-360	100	H
5.744	43.68	PK	34.9	-18.6	0	59.98	-	-	68.2	-8.22	0-360	100	H
* 7.441	39.52	PK	35.8	-26.4	0	48.92	54	-5.08	74	-25.08	0-360	101	H
2.451	49.18	PK	32.3	-30.6	0	50.88	-	-	68.2	-17.32	0-360	101	V
* 2.781	49.06	PK	32.7	-30.3	0	51.46	-	-	74	-22.54	0-360	101	V
* 2.781	36.92	AD1	32.9	-29.8	0.2	40.22	54	-13.78	-	-	316	136	V
2.994	46.72	PK	33.2	-30.3	0	49.62	-	-	68.2	-18.58	0-360	101	V
5.669	47.4	PK	34.8	-18.9	0	63.3	-	-	68.2	-4.9	0-360	101	V
5.734	47.07	PK	34.9	-18.7	0	63.27	-	-	68.2	-4.93	0-360	101	V
* 7.441	41.32	PK	35.8	-26.4	0	50.72	54	-3.28	74	-23.28	0-360	101	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

CH 140 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.279	46.77	PK	32	-30.3	0	48.47	54	-5.53	74	-25.53	0-360	200	H
2.446	49.27	PK	32.3	-30.6	0	50.97	-	-	68.2	-17.23	0-360	200	H
2.583	46.78	PK	32.6	-30.2	0	49.18	-	-	68.2	-19.02	0-360	101	H
5.785	43.71	PK	35	-18.4	0	60.31	-	-	68.2	-7.89	0-360	101	H
5.859	41.98	PK	35.2	-18.6	0	58.58	-	-	68.2	-9.62	0-360	101	H
2.422	50.59	PK	32.2	-30.6	0	52.19	-	-	68.2	-16.01	0-360	101	V
2.448	50.91	PK	32.3	-30.6	0	52.61	-	-	68.2	-15.59	0-360	201	V
2.599	45.09	PK	32.6	-30	0	47.69	-	-	68.2	-20.51	0-360	201	V
* 2.794	50.71	PK	32.7	-30.2	0	53.21	-	-	74	-20.79	0-360	101	V
* 2.781	36.92	AD1	32.9	-29.8	0.2	40.22	54	-13.78	-	-	316	136	V
2.979	47.99	PK	33.1	-30.1	0	50.99	-	-	68.2	-17.21	0-360	101	V
* 4.043	42.5	PK	33.4	-28.1	0	47.8	54	-6.2	74	-26.2	0-360	101	V
5.78	46.83	PK	35	-18.4	0	63.43	-	-	68.2	-4.77	0-360	101	V
5.856	46.48	PK	35.2	-18.6	0	63.08	-	-	68.2	-5.12	0-360	101	V
6.178	44.17	PK	35.4	-26.6	0	52.97	-	-	68.2	-15.23	0-360	101	V
* 7.601	38.74	PK	35.9	-25.5	0	49.14	54	-4.86	74	-24.86	0-360	101	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

10.2.27. 802.11ac 20MHz 3TX SDM, CHANNEL 144, IN THE 5.6 GHz BAND

HARMONICS AND SPURIOUS EMISSIONS

CH 144 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ 10dB Pad	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5.56	42.65	PK	34.9	-20.8	0	56.75	-	-	68.2	-11.45	0-360	200	H
5.563	47.31	PK	35	-20.9	0	61.41	-	-	68.2	-6.79	0-360	101	V
5.634	41.59	PK	35.1	-21	0	55.69	-	-	68.2	-12.51	0-360	101	H
5.642	48.46	PK	35.1	-21.1	0	62.46	-	-	68.2	-5.74	0-360	101	V
5.8	48.56	PK	35.5	-21.2	0	62.86	-	-	68.2	-5.34	0-360	101	V
5.807	43.98	PK	35.5	-21.1	0	58.38	-	-	68.2	-9.82	0-360	101	H
5.877	44.5	PK	35.6	-20.5	0	59.6	-	-	68.2	-8.6	0-360	101	H
5.877	47.57	PK	35.6	-20.5	0	62.67	-	-	68.2	-5.53	0-360	101	V

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ 6GHz HPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6.197	43.02	PK	35.9	-29.6	0	49.32	-	-	68.2	-18.88	0-360	101	V

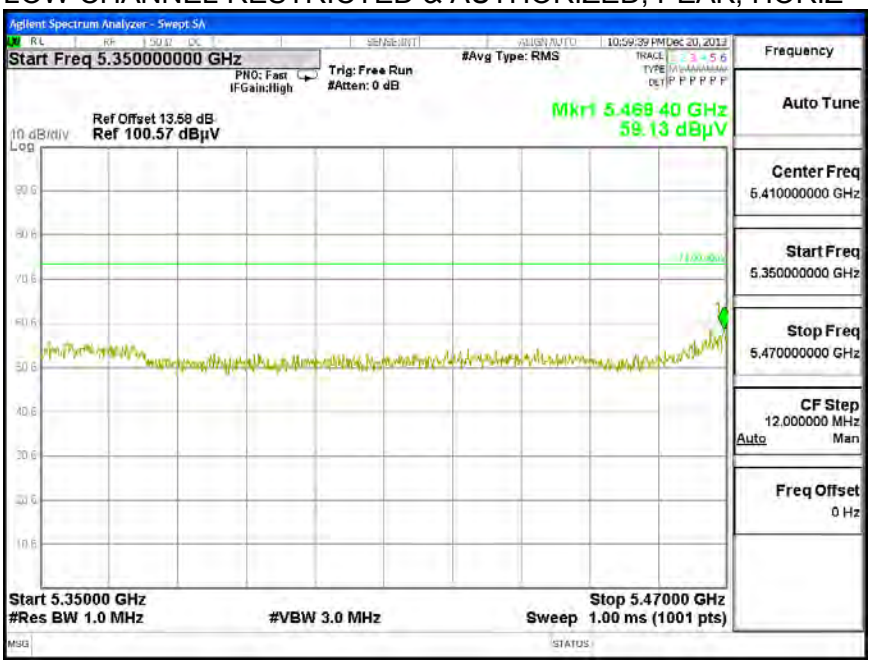
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

10.2.28. 802.11n HT40 1TX SISO MODE IN THE 5.6 GHz BAND

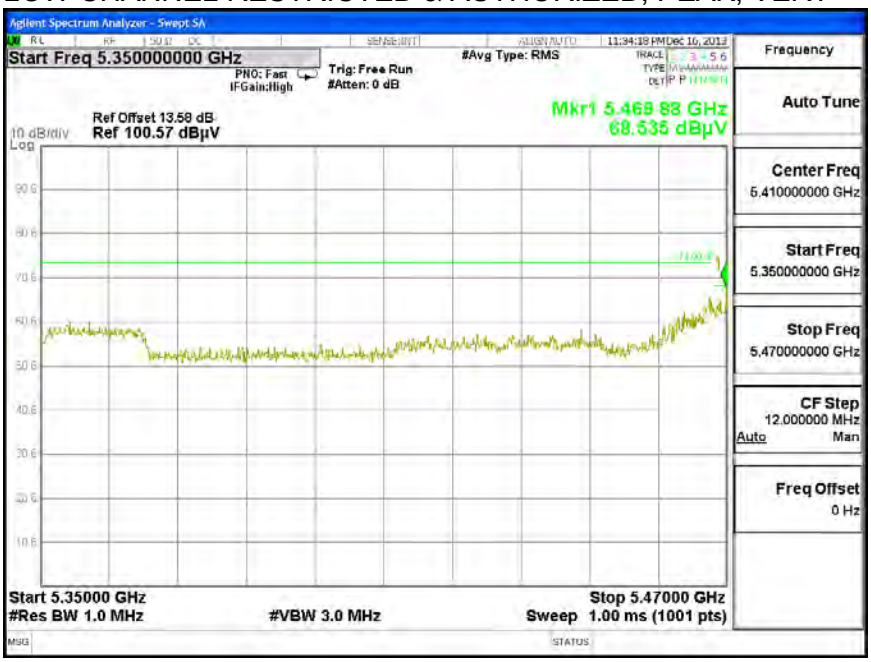
RESTRICTED & AUTHORIZED BANDEDGE (LOW CHANNEL, CH 102)

LOW CHANNEL RESTRICTED & AUTHORIZED, PEAK, HORIZ



LOW CHANNEL RESTRICTED, AVERAGE, HORIZ

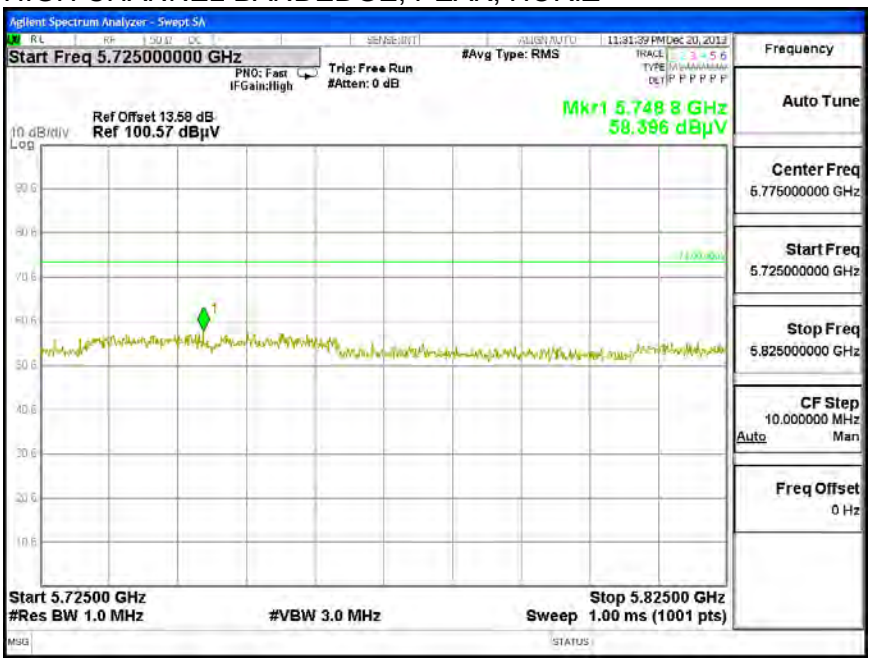
LOW CHANNEL RESTRICTED & AUTHORIZED, PEAK, VERT



LOW CHANNEL RESTRICTED, AVERAGE, VERT

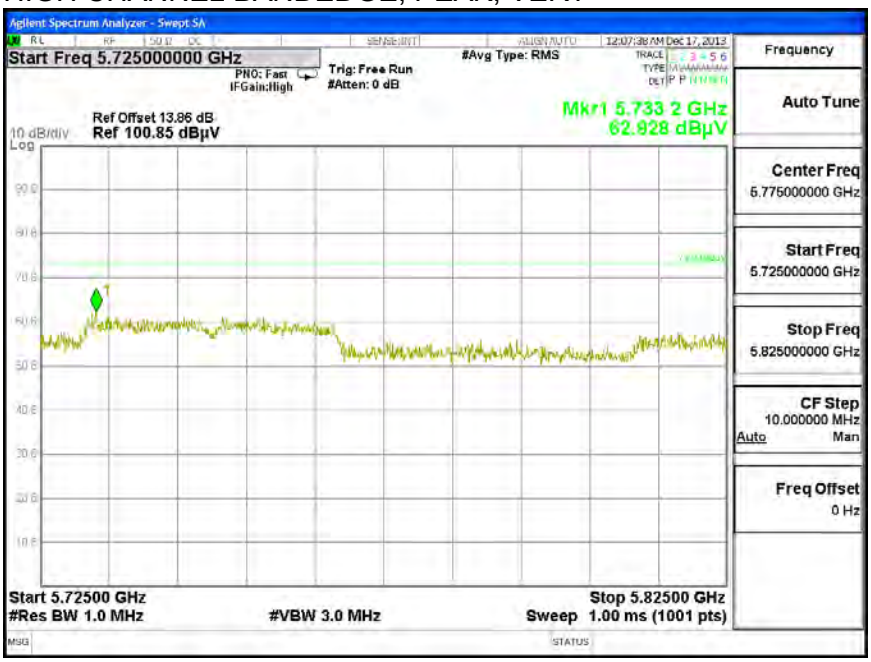
AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 134)

HIGH CHANNEL BANDEDGE, PEAK, HORIZ

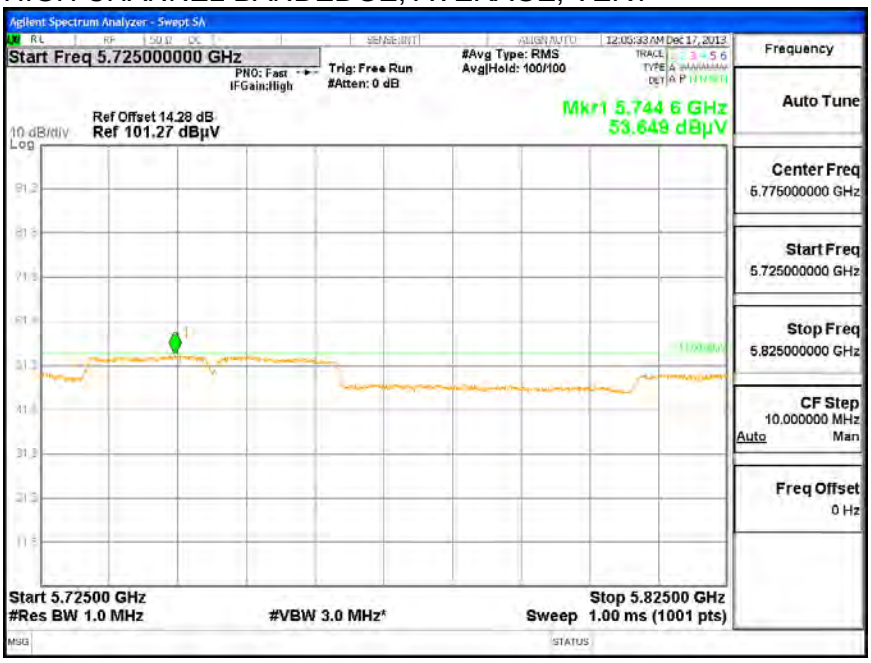


HIGH CHANNEL BANDEDGE, AVERAGE, HORIZ

HIGH CHANNEL BANDEDGE, PEAK, VERT



HIGH CHANNEL BANDEDGE, AVERAGE, VERT



HARMONICS AND SPURIOUS EMISSIONS

CH 102 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (db/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.585	46.78	PK	32.6	-30.3	0	49.08	-	-	68.2	-19.12	0-360	201	H
* 2.775	42.97	PK	32.9	-29.3	0	46.57	54	-7.43	74	-27.43	0-360	201	H
2.603	43.64	PK	32.6	-30.3	0	45.94	-	-	68.2	-22.26	0-360	100	V
* 2.798	48.56	PK	32.9	-29.2	0	52.26	-	-	74	-21.74	0-360	100	V
* 2.798	31.35	AD1	32.9	-29.2	.3	35.35	54	-18.65	-	-	122	286	V
2.934	44.3	PK	33	-29.8	0	47.5	-	-	68.2	-20.7	0-360	100	V
2.984	46.06	PK	33.1	-29.1	0	50.06	-	-	68.2	-18.14	0-360	100	V
* 5.051	41.76	PK	34.4	-25.1	0	51.06	-	-	74	-22.94	0-360	100	V
* 5.051	40.7	AD1	34.4	-25.1	.4	50.4	54	-3.6	-	-	239	104	V
* 5.355	43.07	PK	34.7	-18.2	0	59.57	-	-	74	-14.43	0-360	100	V
5.355	33.95	AD1	34.7	-18	.4	51.05	54	-2.95	-	-	226	127	V
5.672	43.16	PK	35.1	-17.5	0	60.76	-	-	68.2	-7.44	0-360	201	V
* 7.347	39.69	PK	35.9	-25.7	0	49.89	-	-	74	-24.11	0-360	201	V
* 7.347	36.08	AD1	35.9	-25.7	.4	46.68	54	-7.32	-	-	221	102	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

CH 110 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (db/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.584	46.26	PK	32.6	-30.3	0	48.56	-	-	68.2	-19.64	0-360	201	H
* 2.779	42.22	PK	32.9	-29.2	0	45.92	54	-8.08	74	-28.08	0-360	102	H
* 4.796	40.27	PK	34.4	-26.9	0	47.77	54	-6.23	74	-26.23	0-360	102	H
* 2.798	49.41	PK	32.9	-29.2	0	53.11	-	-	74	-20.89	0-360	100	V
* 2.798	31.35	AD1	32.9	-29.2	.3	35.35	54	-18.65	-	-	122	286	V
2.976	46.49	PK	33.1	-29.1	0	50.49	-	-	68.2	-17.71	0-360	100	V
* 3.79	44.8	PK	33.8	-28.9	0	49.7	-	-	74	-24.3	0-360	100	V
* 3.79	31.86	AD1	33.8	-28.7	.4	37.36	54	-16.64	-	-	331	125	V
* 4.794	41.64	PK	34.4	-26.9	0	49.14	-	-	74	-24.86	0-360	100	V
* 4.794	30.8	AD1	34.4	-27	.4	38.6	54	-15.4	-	-	12	104	V
* 5.403	44.21	PK	34.8	-18.2	0	60.81	-	-	74	-13.19	0-360	100	V
* 5.403	36.27	AD1	34.8	-18.2	.4	53.27	54	-.73	-	-	227	107	V
5.724	43.98	PK	35.2	-17.6	0	61.58	-	-	68.2	-6.62	0-360	100	V
* 7.401	38.88	PK	35.9	-25.2	0	49.58	-	-	74	-24.42	0-360	201	V
* 7.401	36.08	AD1	35.9	-25.7	.4	46.68	54	-7.32	-	-	221	102	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power

CH 134 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (db/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.579	48.43	PK	32.6	-30.3	0	50.73	-	-	68.2	-17.47	0-360	201	H
* 2.785	43.03	PK	32.9	-29.1	0	46.83	54	-7.17	74	-27.17	0-360	100	H
2.581	44.75	PK	32.6	-30.3	0	47.05	-	-	68.2	-21.15	0-360	201	V
* 2.801	50.12	PK	32.9	-29.3	0	53.72	-	-	74	-20.28	0-360	201	V
* 2.801	31.35	AD1	32.9	-29.2	.3	35.35	54	-18.65	-	-	122	286	V
2.986	47.2	PK	33.1	-29.2	0	51.1	-	-	68.2	-17.1	0-360	100	V
5.515	42.12	PK	34.8	-17.9	0	59.02	-	-	68.2	-9.18	0-360	201	V
5.604	44.08	PK	35	-17.9	0	61.18	-	-	68.2	-7.02	0-360	100	V
5.739	41.95	PK	35.3	-17.5	0	59.75	-	-	68.2	-8.45	0-360	201	V
5.827	41.89	PK	35.4	-17.5	0	59.79	-	-	68.2	-8.41	0-360	100	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power

10.2.29. 802.11ac 40MHz 1TX SISO, CHANNEL 142, IN THE 5.6 GHz BAND

HARMONICS AND SPURIOUS EMISSIONS

CH 142 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ 10dB Pad	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5.544	45.05	PK	34.9	-20.9	0	59.05	-	-	68.2	-9.15	0-360	101	V
5.553	41.42	PK	34.9	-20.8	0	55.52	-	-	68.2	-12.68	0-360	101	H
5.628	41.03	PK	35.1	-21	0	55.13	-	-	68.2	-13.07	0-360	200	H
5.632	45.42	PK	35.1	-21	0	59.52	-	-	68.2	-8.68	0-360	101	V
5.786	41.33	PK	35.5	-21.4	0	55.43	-	-	68.2	-12.77	0-360	200	H
5.802	45.82	PK	35.5	-21.2	0	60.12	-	-	68.2	-8.08	0-360	101	V
5.874	43.43	PK	35.6	-20.6	0	58.43	-	-	68.2	-9.77	0-360	101	V
5.875	40.4	PK	35.6	-20.6	0	55.4	-	-	68.2	-12.8	0-360	200	H

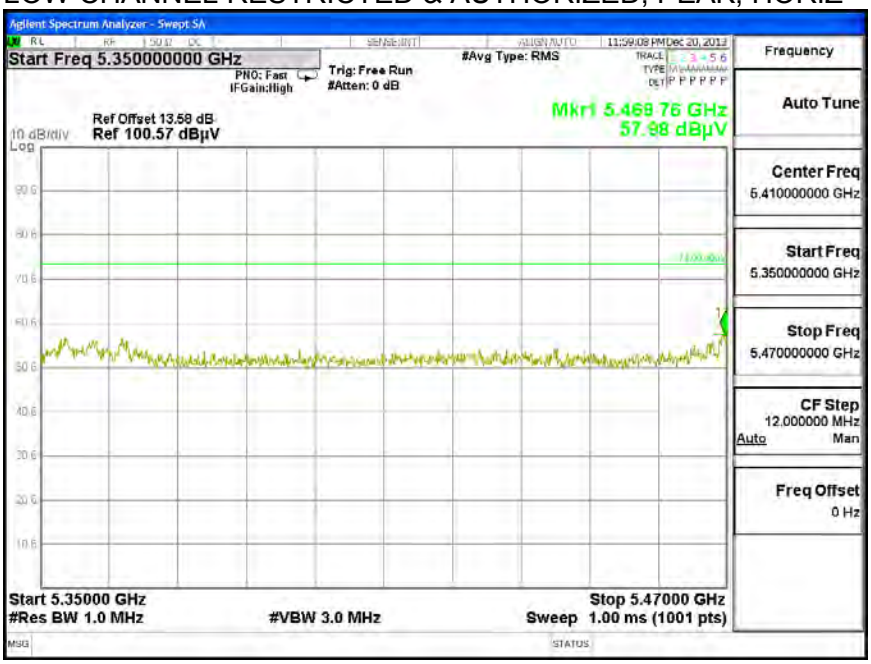
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

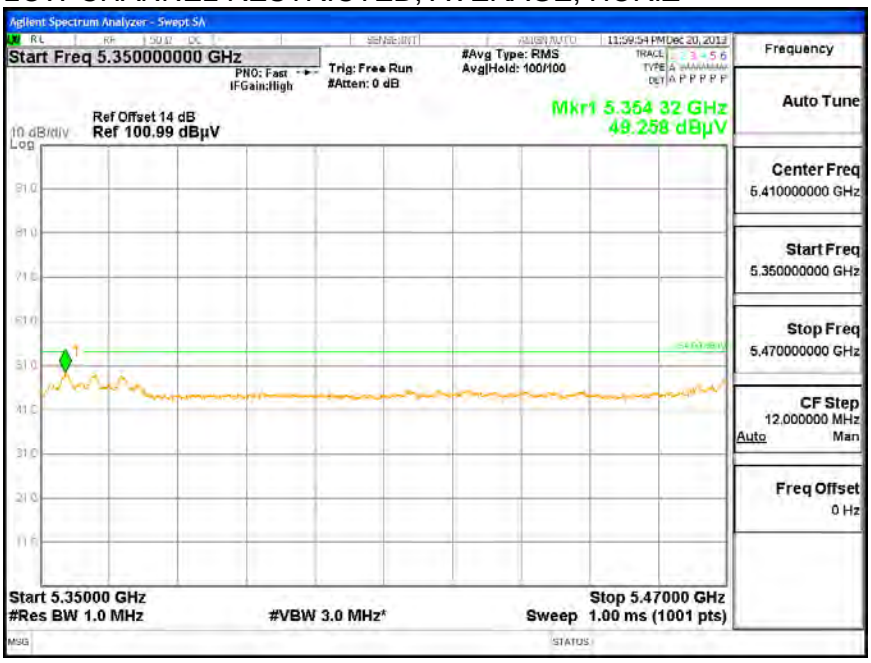
10.2.30. 802.11n HT40 3TX CDD MODE IN THE 5.6 GHz BAND

RESTRICTED & AUTHORIZED BANDEDGE (LOW CHANNEL, CH 102)

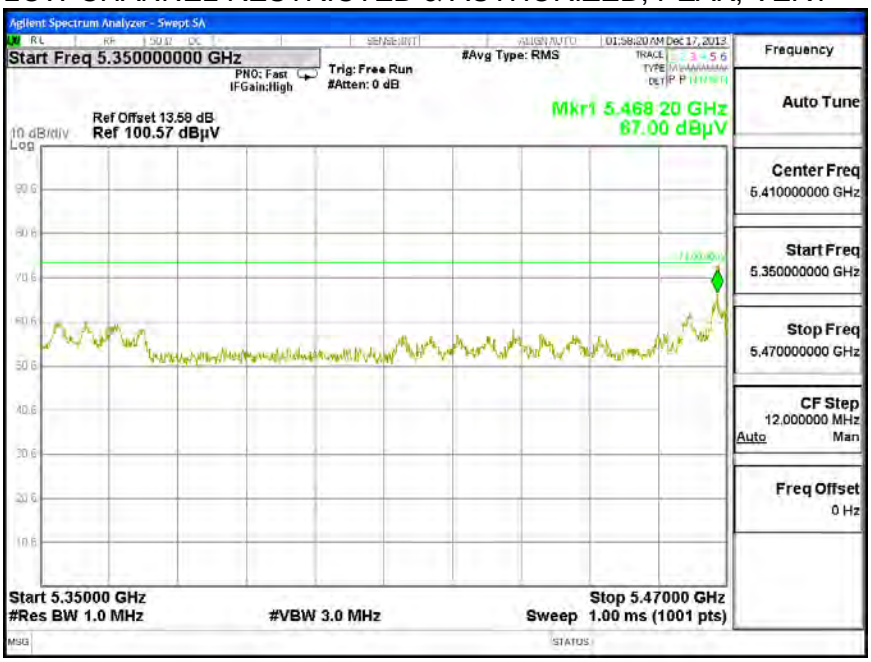
LOW CHANNEL RESTRICTED & AUTHORIZED, PEAK, HORIZ



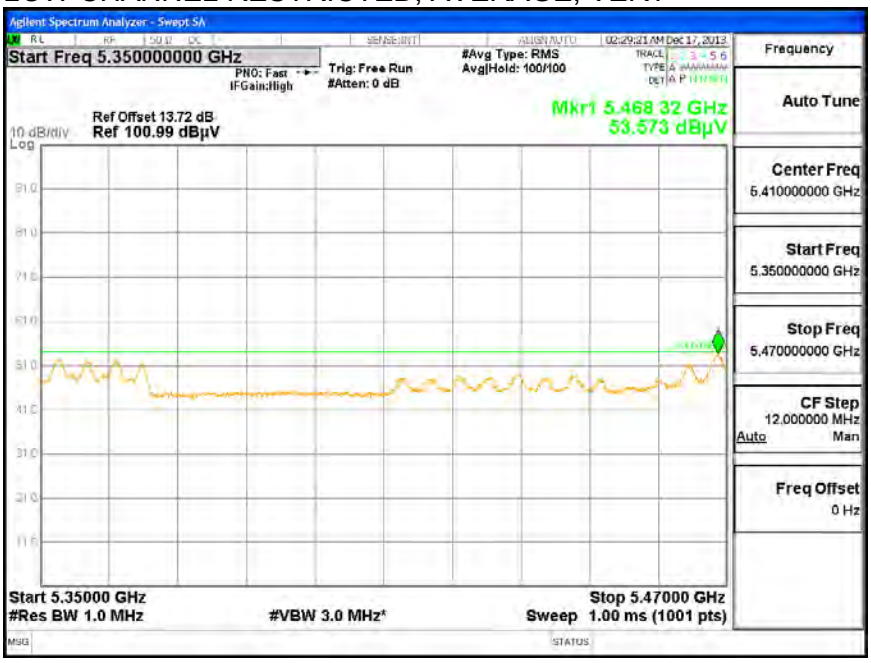
LOW CHANNEL RESTRICTED, AVERAGE, HORIZ



LOW CHANNEL RESTRICTED & AUTHORIZED, PEAK, VERT

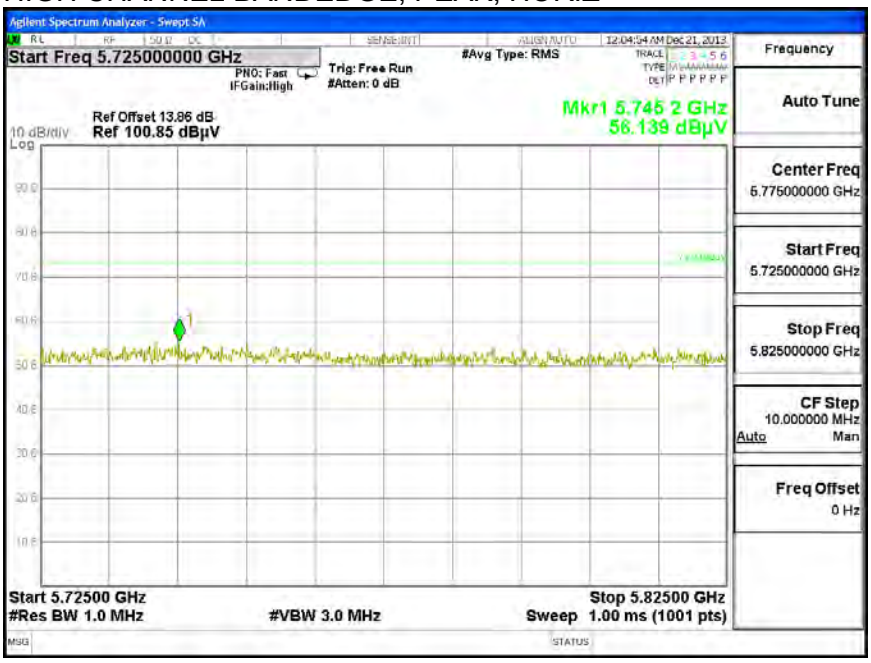


LOW CHANNEL RESTRICTED, AVERAGE, VERT

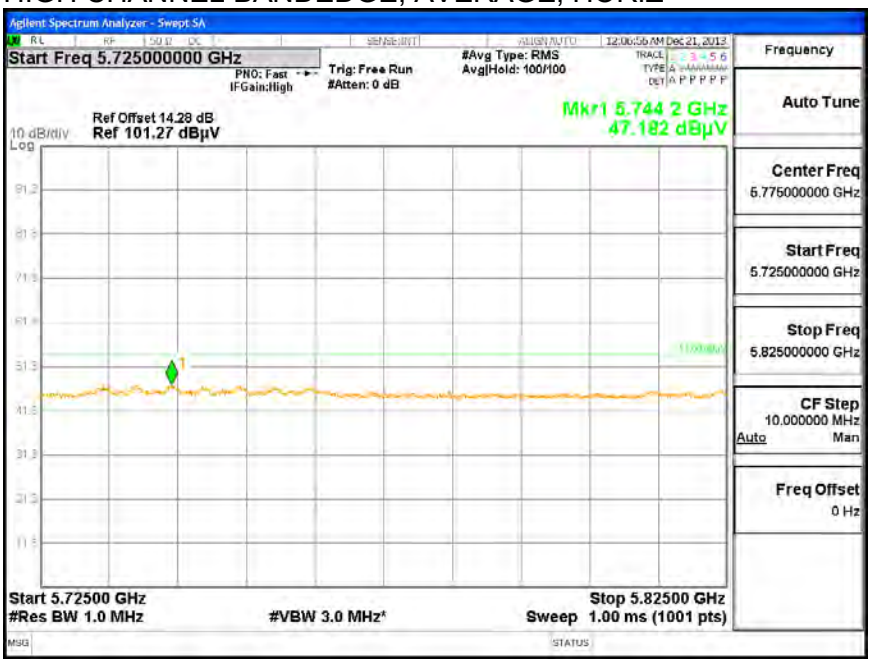


AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 134)

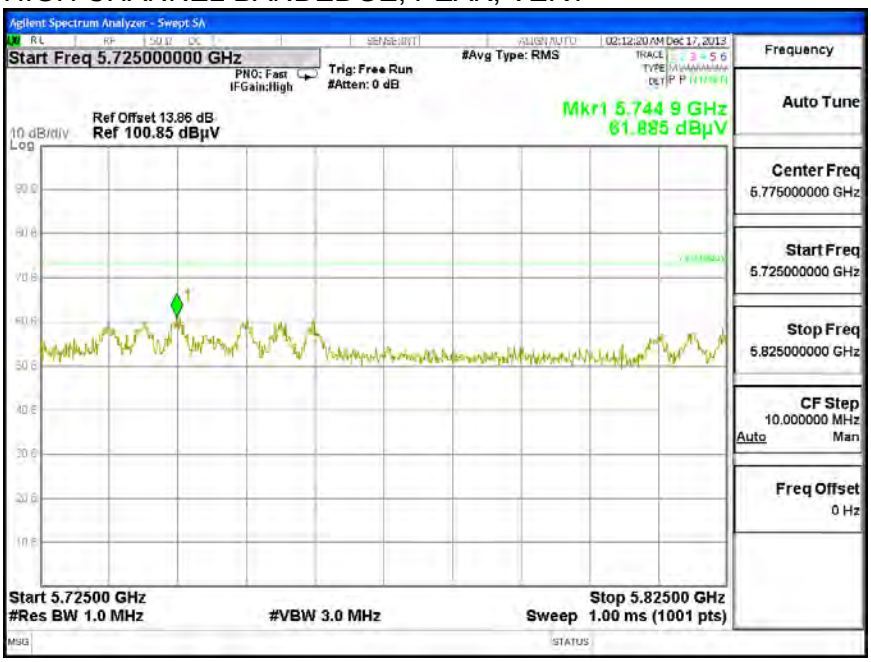
HIGH CHANNEL BANDEDGE, PEAK, HORIZ



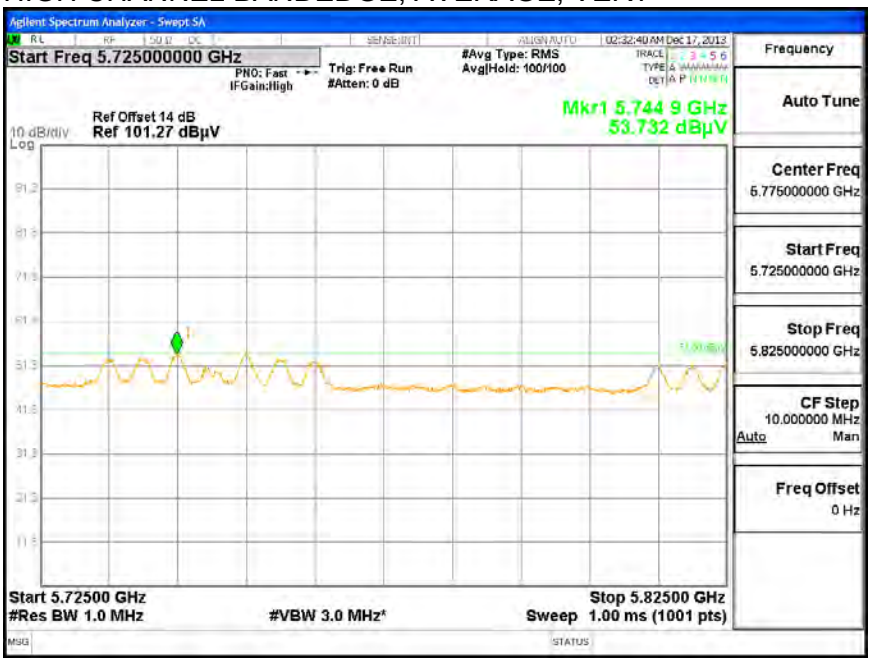
HIGH CHANNEL BANDEDGE, AVERAGE, HORIZ



HIGH CHANNEL BANDEDGE, PEAK, VERT



HIGH CHANNEL BANDEDGE, AVERAGE, VERT



HARMONICS AND SPURIOUS EMISSIONS

CH 102 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (db/m)	Amp/Cbl/ Fltr/Pad	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.192	48.26	PK	28.4	-32.6	0	44.06	54	-9.94	74	-29.94	0-360	100	H
* 1.193	50.99	PK	28.4	-32.6	0	46.79	54	-7.21	74	-27.21	0-360	201	V
2.598	48.61	PK	32.6	-30.7	0	50.51	-	-	68.2	-17.69	0-360	100	H
* 2.778	49.75	PK	32.9	-29.8	0	52.85	-	-	74	-21.15	0-360	100	V
* 2.778	35.31	AD1	32.9	-29.8	.1	38.51	53.97	-15.46	-	-	324	148	V
2.979	47.54	PK	33.1	-29.4	0	51.24	-	-	68.2	-16.96	0-360	100	V
* 4.79	43.72	PK	34.4	-27.2	0	50.92	-	-	74	-23.08	0-360	100	H
* 4.786	29.01	AD1	34.4	-27.2	.1	36.31	53.97	-17.66	-	-	207	131	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

CH 110 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (db/m)	Amp/Cbl/ Fltr/Pad	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.295	45.46	PK	32.4	-30.5	0	47.36	-	-	74	-26.64	0-360	100	H
2.445	48.03	PK	32.4	-29.8	0	50.63	-	-	68.2	-17.57	0-360	201	H
* 5.087	40.22	PK	34.4	-18.7	0	55.92	-	-	74	-18.08	0-360	201	V
* 5.087	34.10	AD1	34.4	-18.6	.2	50.10	54	-3.90	-	-	102	117	V
5.626	41.7	PK	35.1	-18.2	0	58.6	-	-	68.2	-9.6	0-360	100	V
* 7.401	39.59	PK	35.9	-25.8	0	49.69	-	-	68.2	-18.51	0-360	100	H
* 7.401	38.34	PK	35.9	-25.8	0	48.44	-	-	68.2	-19.76	0-360	201	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

CH 134 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (db/m)	Amp/Cbl/ Fltr/Pad	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.189	47.92	PK	28.4	-32.6	0	43.72	54	-10.28	74	-30.28	0-360	100	H
* 1.189	50.43	PK	28.4	-32.6	0	46.23	54	-7.77	74	-27.77	0-360	201	V
2.46	52.97	PK	32.4	-30.5	0	54.87	-	-	68.2	-13.33	0-360	100	H
* 2.783	43.95	PK	32.9	-29.8	0	47.05	54	-6.95	74	-26.95	0-360	100	H
* 2.784	49.75	PK	32.9	-29.9	0	52.75	-	-	74	-21.25	0-360	100	V
* 2.784	38.42	AD1	32.9	-29.9	.1	41.52	53.97	-12.45	-	-	285	108	V
2.979	47.03	PK	33.1	-29.4	0	50.73	-	-	68.2	-17.47	0-360	100	V
* 3.781	43.49	PK	33.8	-29.3	0	47.99	-	-	74	-26.01	0-360	100	V
* 3.78	38.35	AD1	33.8	-29.3	.1	42.95	53.97	-11.02	-	-	326	356	V
* 4.788	42.03	PK	34.4	-27.2	0	49.23	-	-	74	-24.77	0-360	201	H
* 4.788	31.04	AD1	34.4	-27.2	.1	38.34	53.97	-15.63	-	-	5	173	H
* 4.795	43.54	PK	34.4	-27.3	0	50.64	-	-	74	-23.36	0-360	100	V
* 4.792	29.79	AD1	34.4	-27.3	.1	36.99	53.97	-16.98	-	-	347	114	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

10.2.31. 802.11ac 40MHz 3TX CDD, CHANNEL 142, IN THE 5.6 GHz BAND

HARMONICS AND SPURIOUS EMISSIONS

CH 142 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ 10dB Pad	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5.545	48.8	PK	34.9	-20.9	0	62.8	-	-	68.2	-5.4	0-360	101	V
5.552	42.54	PK	34.9	-20.8	0	56.64	-	-	68.2	-11.56	0-360	101	H
5.628	41.54	PK	35.1	-21	0	55.64	-	-	68.2	-12.56	0-360	101	H
5.636	46.27	PK	35.1	-21	0	60.37	-	-	68.2	-7.83	0-360	101	V
5.796	46.24	PK	35.5	-21.3	0	60.44	-	-	68.2	-7.76	0-360	101	V
5.798	41.34	PK	35.5	-21.3	o	55.54	-	-	68.2	-12.66	0-360	101	H
5.867	44.18	PK	35.6	-20.8	0	58.98	-	-	68.2	-9.22	0-360	101	H
5.884	48.31	PK	35.6	-20.5	0	63.41	-	-	68.2	-4.79	0-360	101	V

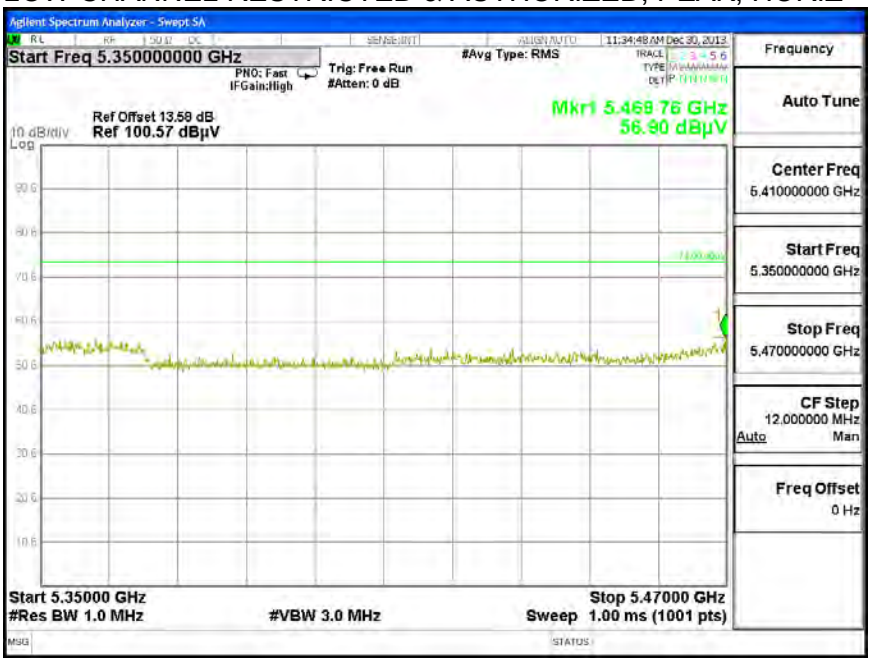
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

10.2.32. 802.11n HT40 3TX SDM MODE IN THE 5.6 GHz BAND

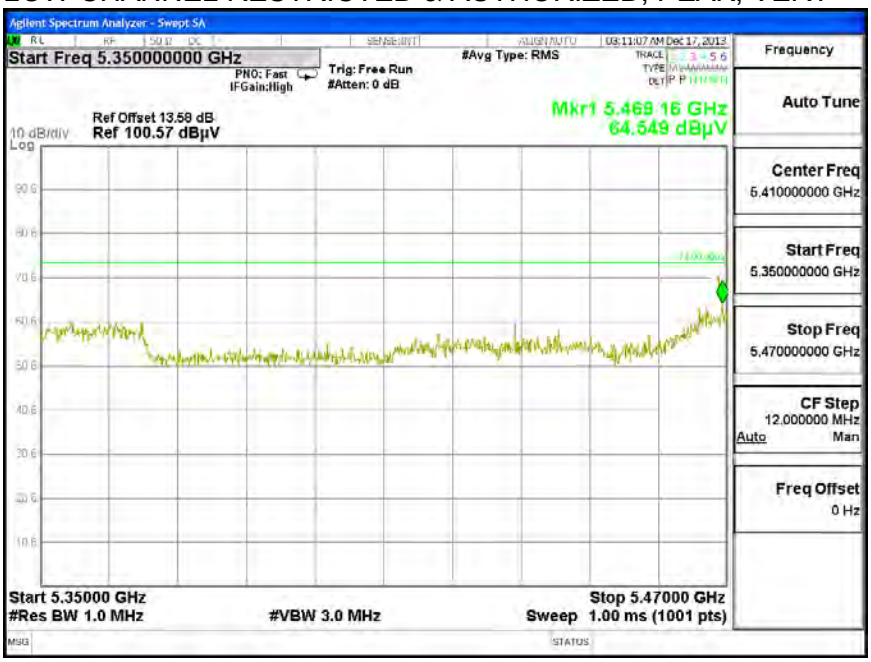
RESTRICTED & AUTHORIZED BANDEDGE (LOW CHANNEL, CH 102)

LOW CHANNEL RESTRICTED & AUTHORIZED, PEAK, HORIZ



LOW CHANNEL RESTRICTED, AVERAGE, HORIZ

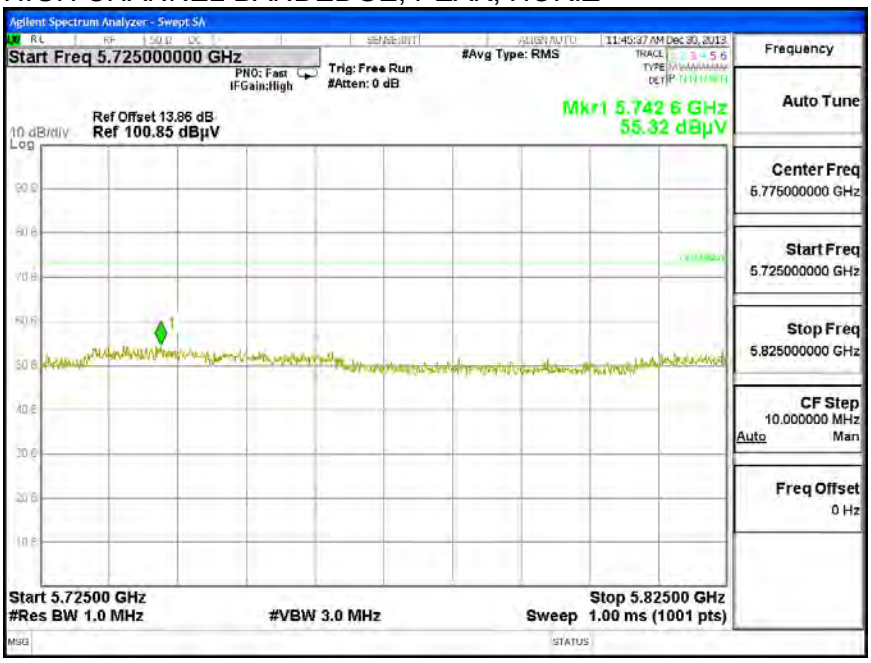
LOW CHANNEL RESTRICTED & AUTHORIZED, PEAK, VERT



LOW CHANNEL RESTRICTED, AVERAGE, VERT

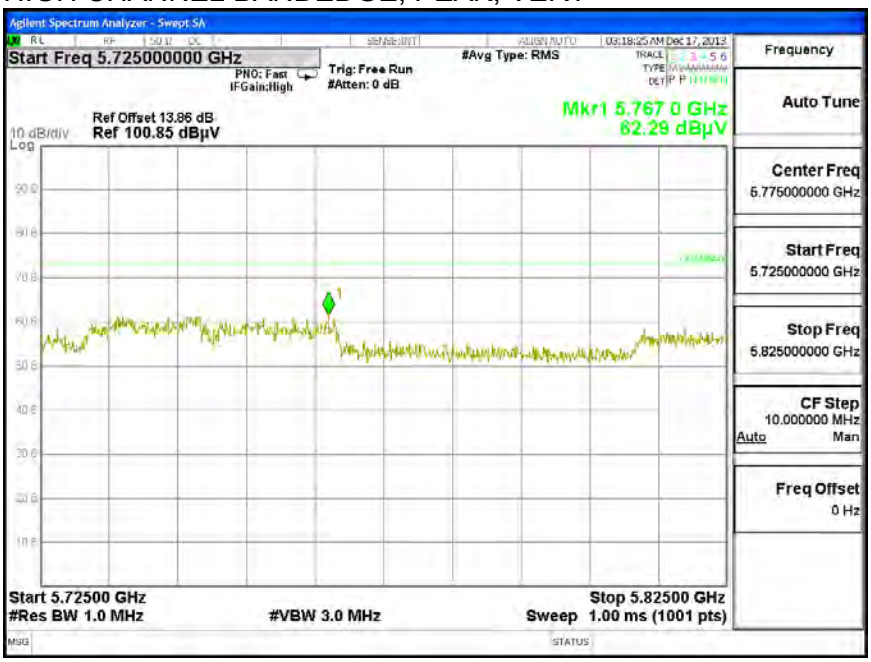
AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 134)

HIGH CHANNEL BANDEDGE, PEAK, HORIZ

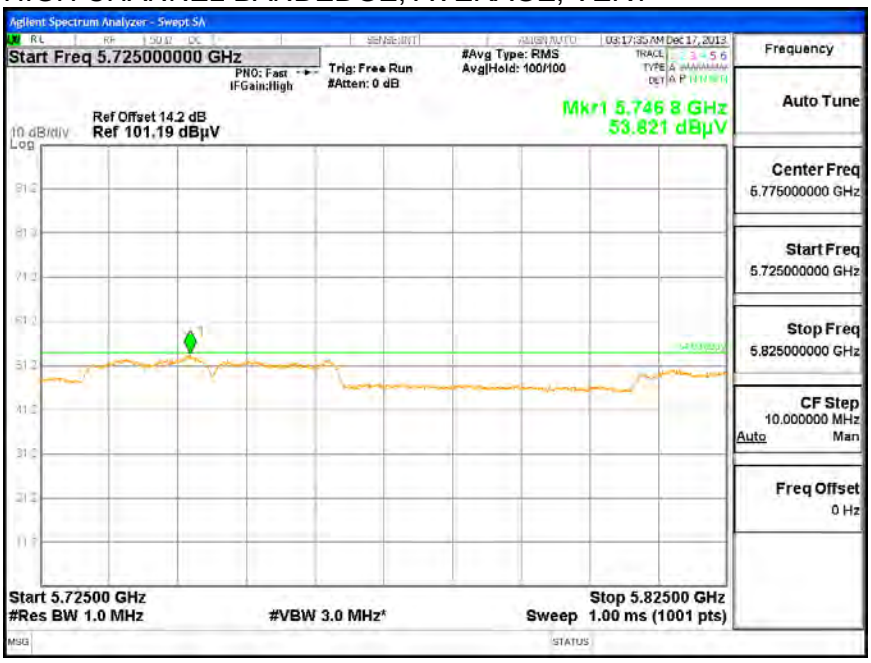


HIGH CHANNEL BANDEDGE, AVERAGE, HORIZ

HIGH CHANNEL BANDEDGE, PEAK, VERT



HIGH CHANNEL BANDEDGE, AVERAGE, VERT



HARMONICS AND SPURIOUS EMISSIONS

CH 102 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (db/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.501	52.27	PK	32.4	-30.3	0	54.37	-	-	68.2	-13.83	0-360	201	H
* 2.786	42.93	PK	32.9	-29.1	0	46.73	54	-7.27	74	-27.27	0-360	100	H
* 4.79	41.89	PK	34.4	-26.9	0	49.39	-	-	74	-24.61	0-360	201	H
* 4.79	31.1	AD1	34.4	-27.2	.3	38.6	54	-15.40	-	-	30	251	H
2.501	49.78	PK	32.4	-30.3	0	51.88	-	-	68.2	-16.21	0-360	201	V
2.59	44.87	PK	32.6	-30.2	0	47.27	-	-	68.2	-20.93	0-360	100	V
2.625	46.74	PK	32.7	-30.4	0	49.04	-	-	68.2	-19.16	0-360	201	V
* 2.777	49.29	PK	32.9	-29.2	0	52.99	-	-	74	-21.01	0-360	100	V
* 2.777	31.35	AD1	32.9	-29.2	.3	35.35	54	-18.65	-	-	122	286	V
2.967	47.5	PK	33.1	-29.4	0	51.2	-	-	68.2	-17.00	0-360	100	V
* 4.758	41.97	PK	34.4	-27.3	0	49.07	-	-	74	-24.93	0-360	100	V
* 4.758	31.24	AD1	34.4	-27	.3	38.94	54	-15.06	-	-	310	342	V
5.342	43.22	PK	34.7	-18	0	59.92	-	-	68.2	-8.28	0-360	100	V
5.679	45.45	PK	35.2	-17.4	0	63.25	-	-	68.2	-4.95	0-360	100	V
* 7.347	40.32	PK	35.9	-25.7	0	50.52	-	-	74	-23.48	0-360	100	V
* 7.347	35.55	AD1	35.9	-25.7	.3	46.05	54	-7.95	-	-	268	332	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

CH 110 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (db/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.501	50.28	PK	28.2	-31.6	0	46.88	54	-7.12	74	-27.12	0-360	201	H
2.501	51.79	PK	32.4	-30.3	0	53.89	-	-	68.2	-14.31	0-360	201	H
* 2.788	42.88	PK	32.9	-29.1	0	46.68	54	-7.32	74	-27.32	0-360	100	H
* 4.797	41.76	PK	34.4	-26.9	0	49.26	-	-	74	-24.74	0-360	100	H
* 4.797	31.1	AD1	34.4	-27.2	.3	38.6	54	-15.40	-	-	30	251	H
2	46.07	PK	31.7	-30.6	0	47.17	-	-	68.2	-21.03	0-360	100	V
2.501	49.75	PK	32.4	-30.3	0	51.85	-	-	68.2	-16.35	0-360	201	V
2.625	48.07	PK	32.7	-30.4	0	50.37	-	-	68.2	-17.83	0-360	201	V
* 2.785	47.79	PK	32.9	-29.1	0	51.59	-	-	74	-22.41	0-360	100	V
* 2.785	31.35	AD1	32.9	-29.2	.3	35.35	54	-18.65	-	-	122	286	V
2.982	48.13	PK	33.1	-29.1	0	52.13	-	-	68.2	-16.07	0-360	100	V
* 4.785	42.13	PK	34.4	-27	0	49.53	-	-	74	-24.47	0-360	100	V
* 4.785	31.24	AD1	34.4	-27	.3	38.94	54	-15.06	-	-	310	342	V
* 5.394	44.87	PK	34.8	-18.2	0	61.47	-	-	74	-12.53	0-360	100	V
* 5.394	36.44	AD1	34.8	-18.2	.3	53.34	54	-0.66	-	-	229	130	V
5.475	48.16	PK	34.8	-17.9	0	65.06	-	-	68.2	-3.14	0-360	201	V
5.639	47.83	PK	35.1	-17.6	0	65.33	-	-	68.2	-2.87	0-360	100	V
5.714	46.98	PK	35.2	-17.5	0	64.68	-	-	68.2	-3.52	0-360	100	V
6.475	39.46	PK	35.8	-25.8	0	49.46	-	-	68.2	-18.74	0-360	100	V
* 7.4	40.19	PK	35.9	-25.2	0	50.89	-	-	74	-23.11	0-360	100	V
* 7.4	35.55	AD1	35.9	-25.7	.3	46.05	54	-7.95	-	-	268	332	V
* 11.1	36.53	PK	38.4	-21.9	0	53.03	-	-	74	-20.97	0-360	100	V
* 11.1	30.14	AD1	38.4	-21.9	.3	46.94	54	-7.06	-	-	288	105	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

CH 134 DATA

Trace Markers

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (db/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.501	52.36	PK	32.4	-30.3	0	54.46	-	-	68.2	-13.74	0-360	201	H
2.584	49.07	PK	32.6	-30.3	0	51.37	-	-	68.2	-16.83	0-360	100	H
* 2.78	42.37	PK	32.9	-29.2	0	46.07	54	-7.93	74	-27.93	0-360	100	H
* 3.781	40.07	PK	33.8	-28.8	0	45.07	54	-8.93	74	-28.93	0-360	100	H
* 4.777	41.78	PK	34.4	-27	0	49.18	-	-	74	-24.82	0-360	201	H
* 4.777	31.1	AD1	34.4	-27.2	.3	38.6	54	-15.40	-	-	30	251	H
1.88	46.2	PK	30.9	-30.6	0	46.5	-	-	68.2	-21.7	0-360	201	V
2.501	49.48	PK	32.4	-30.3	0	51.58	-	-	68.2	-16.62	0-360	201	V
2.588	47.63	PK	32.6	-30.3	0	49.93	-	-	68.2	-18.27	0-360	100	V
* 2.781	49.73	PK	32.9	-29.2	0	53.43	-	-	74	-20.57	0-360	100	V
* 2.781	31.35	AD1	32.9	-29.2	.3	35.35	54	-18.65	-	-	122	286	V
2.995	46.84	PK	33.1	-28.6	0	51.34	-	-	68.2	-16.86	0-360	100	V
* 3.792	42.94	PK	33.8	-28.9	0	47.84	-	-	74	-26.16	0-360	100	V
* 4.376	42.57	PK	34.1	-27.9	0	48.77	-	-	74	-25.23	0-360	201	V
* 4.376	38.19	AD1	34	-27.9	.3	44.59	54	-9.41	-	-	354	279	V
* 4.784	42.76	PK	34.4	-27	0	50.16	-	-	74	-23.84	0-360	100	V
* 4.784	31.24	AD1	34.4	-27	.3	38.94	54	-15.06	-	-	310	342	V
5.505	43.56	PK	34.8	-18	0	60.36	-	-	68.2	-7.84	0-360	100	V
5.587	44.71	PK	35	-18	0	61.71	-	-	68.2	-6.49	0-360	100	V
5.753	44.25	PK	35.3	-17.7	0	61.85	-	-	68.2	-6.35	0-360	201	V
5.822	43.52	PK	35.4	-17.5	0	61.42	-	-	68.2	-6.78	0-360	100	V
* 7.56	39.11	PK	35.9	-25.2	0	49.81	-	-	74	-24.19	0-360	201	V
* 7.56	35.55	AD1	35.9	-25.7	.3	46.05	54	-7.95	-	-	268	332	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

10.2.33. 802.11ac 40MHz 3TX SDM, CHANNEL 142, IN THE 5.6 GHz BAND

HARMONICS AND SPURIOUS EMISSIONS

CH 142 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ 10dB Pad	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5.545	44.24	PK	34.9	-20.9	0	58.24	-	-	68.2	-9.96	0-360	101	H
5.548	47.63	PK	34.9	-20.8	0	61.73	-	-	68.2	-6.47	0-360	101	V
5.627	41.83	PK	35.1	-21	0	55.93	-	-	68.2	-12.27	0-360	101	H
5.635	46.47	PK	35.1	-21	0	60.57	-	-	68.2	-7.63	0-360	101	V
5.78	47.66	PK	35.4	-21.4	0	61.66	-	-	68.2	-6.54	0-360	101	V
5.787	42.53	PK	35.5	-21.4	0	56.63	-	-	68.2	-11.57	0-360	101	H
5.868	43.12	PK	35.6	-20.8	0	57.92	-	-	68.2	-10.28	0-360	101	H
5.874	46.82	PK	35.6	-20.6	0	61.82	-	-	68.2	-6.38	0-360	200	V

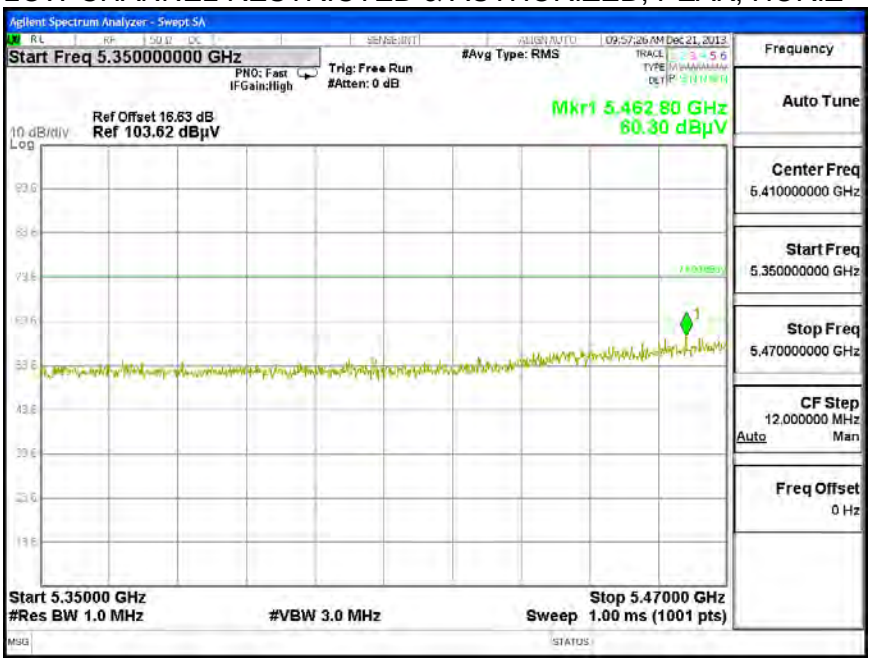
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

10.2.34. 802.11ac 80MHz 1TX SISO MODE IN THE 5.6 GHz BAND

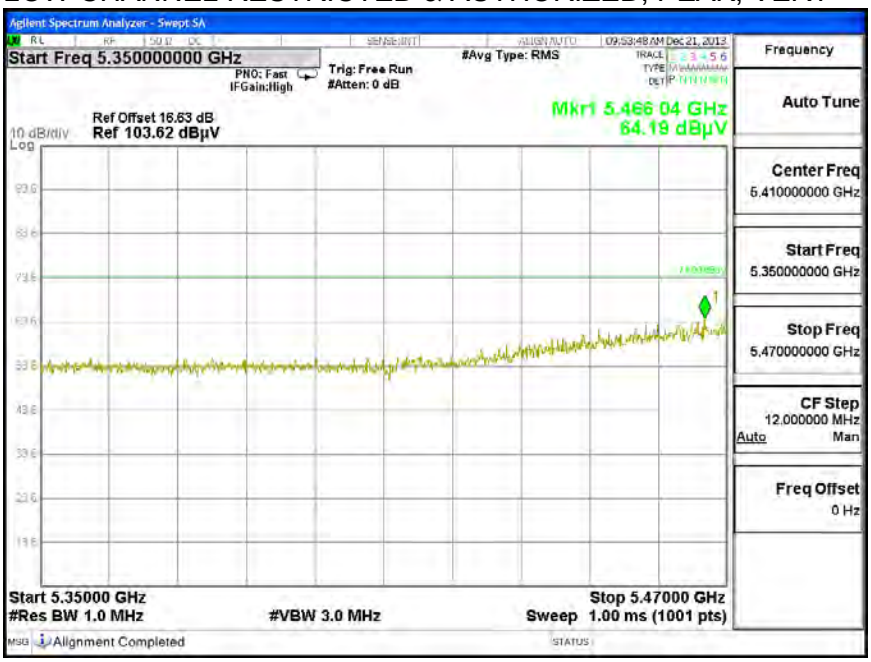
RESTRICTED & AUTHORIZED BANDEDGE (LOW CHANNEL, 106)

LOW CHANNEL RESTRICTED & AUTHORIZED, PEAK, HORIZ

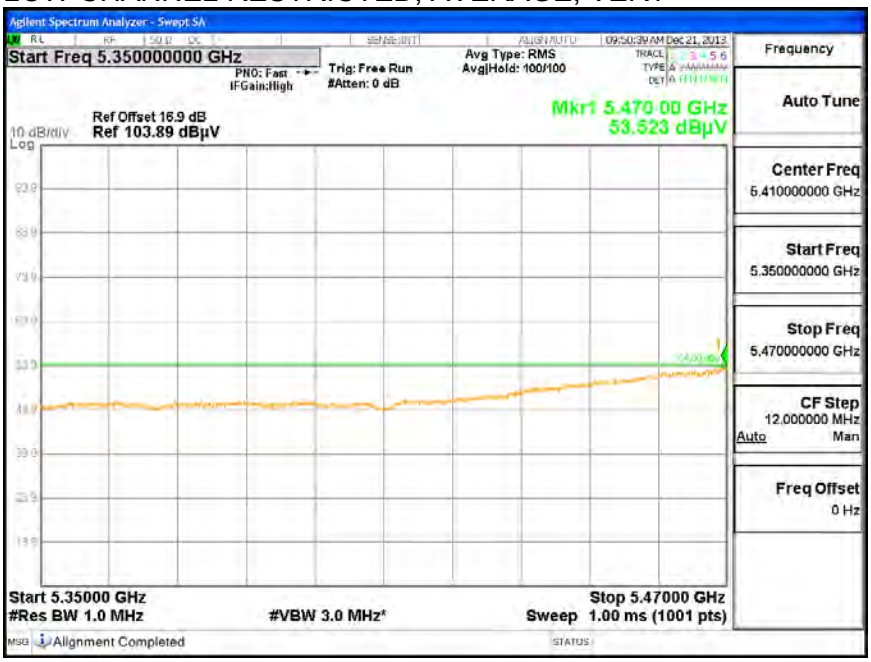


LOW CHANNEL RESTRICTED, AVERAGE, HORIZ

LOW CHANNEL RESTRICTED & AUTHORIZED, PEAK, VERT



LOW CHANNEL RESTRICTED, AVERAGE, VERT



HARMONICS AND SPURIOUS EMISSIONS

CH 106 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.917	40	PK	34	-27.3	0	46.7	54	-7.3	74	-27.3	0-360	199	H
2.983	47.36	PK	33.1	-30.2	0	50.26	-	-	68.2	-16.94	0-360	101	V
* 4.916	41.95	PK	34	-27.3	0	48.65	-	-	74	-25.35	0-360	101	V
* 4.916	36.36	AD1	34	-27.3	0.3	43.06	54	-10.94	-	-	99	103	V
6.145	40.69	PK	35.4	-18.8	0	57.29	-	-	74	-16.71	0-360	101	V
* 1.261	42.61	PK	29.7	-32.1	0	40.21	-	-	74	-33.79	0-360	101	H
* 1.257	42.26	PK	29.7	-32.1	0	39.86	-	-	74	-34.14	0-360	201	V

PK - Peak detector

Avg - Video bandwidth < Resolution bandwidth

AD1 - KDB 789033 Method: AD Primary Power Average

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

CH 138 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 5.058	43.39	PK	34.1	-26.5	0	50.99	54	-3.01	74	-23.01	0-360	201	V
* 5.138	42.86	PK	34.2	-18.9	0	58.16	-	-	74	-15.84	0-360	101	V
* 5.136	32.31	AD1	34.2	-18.9	.3	47.91	54	-6.09	-	-	172	397	V
* 1.257	43.74	PK	29.7	-32.1	0	41.34	54	-12.66	74	-32.66	0-360	101	H
* 7.454	38.63	PK	35.8	-26.1	0	48.33	54	-5.67	74	-25.67	0-360	101	H
* 1.388	47.9	PK	29.3	-31.8	0	45.4	54	-8.6	74	-28.6	0-360	101	H
6.877	38.51	PK	35.7	-26.8	0	47.41	-	-	68.2	-20.79	0-360	201	V

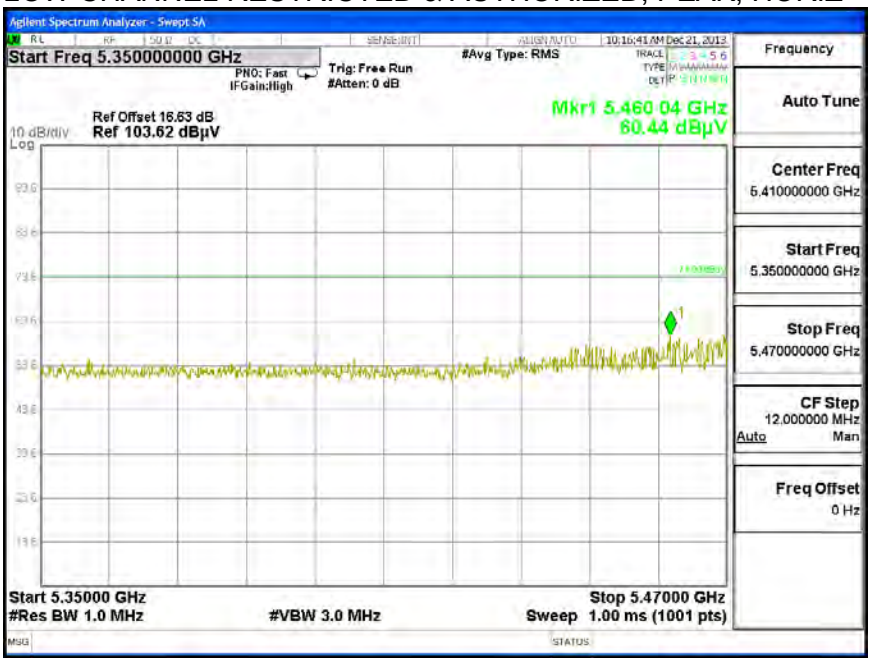
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

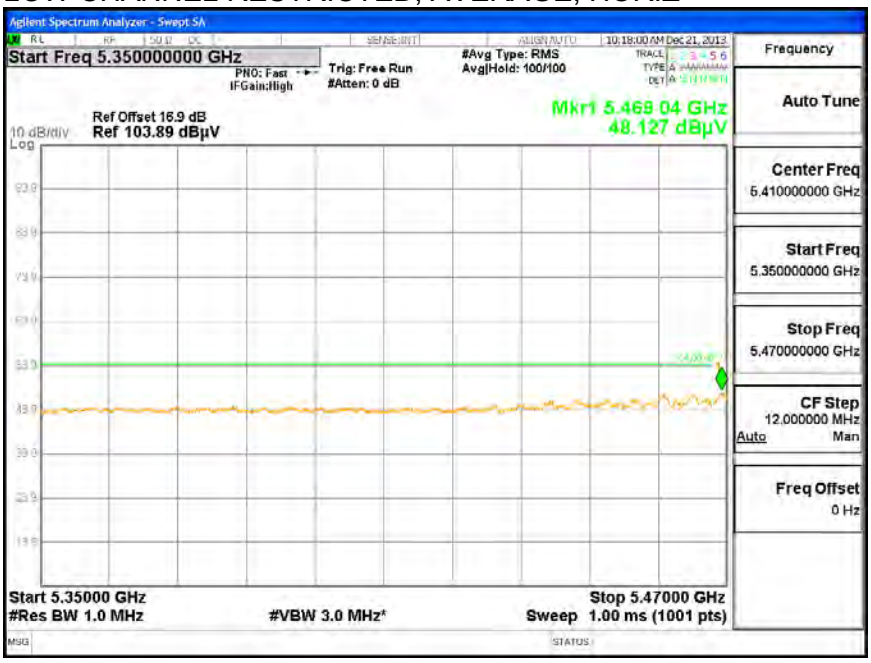
10.2.35. 802.11ac 80MHz 3TX CDD MODE IN THE 5.6 GHz BAND

RESTRICTED & AUTHORIZED BANDEDGE (LOW CHANNEL, CH 106)

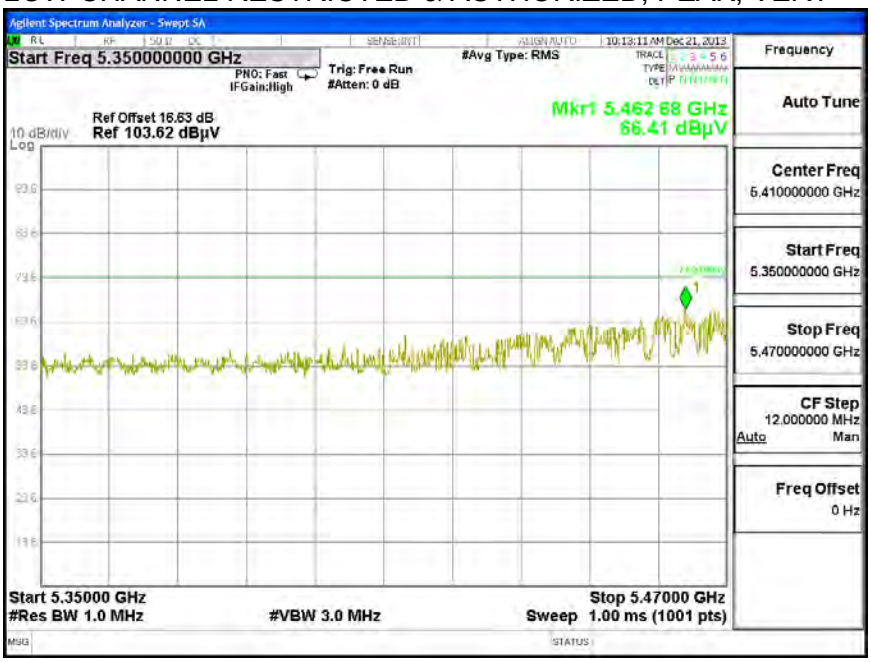
LOW CHANNEL RESTRICTED & AUTHORIZED, PEAK, HORIZ



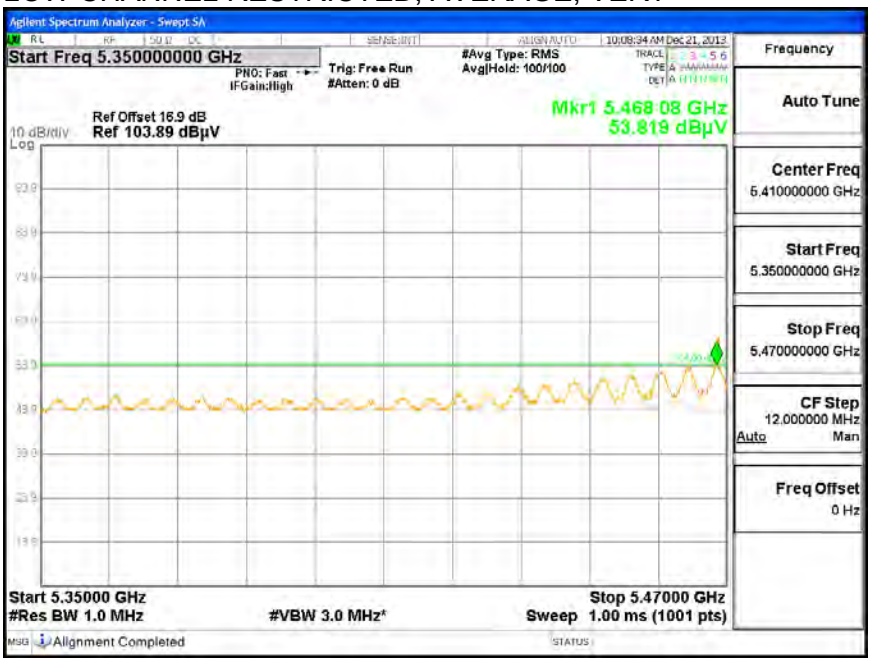
LOW CHANNEL RESTRICTED, AVERAGE, HORIZ



LOW CHANNEL RESTRICTED & AUTHORIZED, PEAK, VERT



LOW CHANNEL RESTRICTED, AVERAGE, VERT



HARMONICS AND SPURIOUS EMISSIONS

CH 106 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.588	46.85	PK	32.6	-30.2	0	49.25	-	-	68.2	-18.95	0-360	101	H
* 1.194	51.27	PK	29.1	-32.3	0	48.07	54	-5.93	74	-25.93	0-360	101	V
* 2.782	47.36	PK	32.7	-30.3	0	49.76	54	-4.24	74	-24.24	0-360	101	V
2.983	48.36	PK	33.1	-30.2	0	51.26	-	-	68.2	-16.94	0-360	101	V
* 4.916	44.15	PK	34	-27.3	0	50.85	54	-3.15	74	-23.15	0-360	101	V
6.145	42.56	PK	35.4	-18.8	0	59.16	-	-	68.2	-9.04	0-360	200	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

CH 138 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 5.058	45.12	PK	34.1	-26.5	0	52.72	-	-	74	-21.28	0-360	201	V
* 5.058	43.21	AD1	34.1	-26.5	0.3	50.81	54	-3.19	-	-	161	184	V
* 5.059	42.47	PK	34.1	-26.5	0	50.07	-	-	74	-23.93	0-360	199	H
* 5.058	36.84	AD1	34.1	-26.5	0.3	44.44	54	-9.56	-	-	249	255	H
6.323	42.1	PK	35.6	-26.4	0	51.3	-	-	68.2	-16.9	0-360	101	V
* 7.587	38.46	PK	35.9	-25.2	0	49.16	-	-	74	-24.84	0-360	201	V
* 7.587	33.35	AD1	35.9	-25.2	0.3	44.05	54	-9.95	-	-	312	100	V
* 3.794	44.49	PK	33.6	-29.4	0	48.69	54	-5.31	74	-25.31	0-360	101	V
* 2.795	49.61	PK	32.7	-30.2	0	52.11	-	-	74	-21.89	0-360	101	V
* 2.794	31.35	AD1	32.9	-29.2	0.3	35.35	54	-18.65	-	-	122	286	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

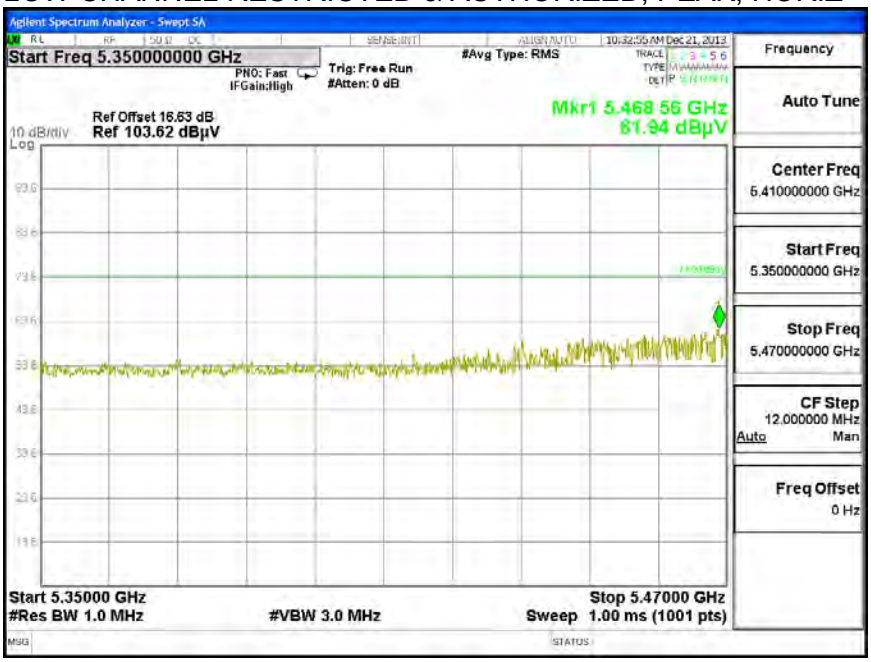
PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

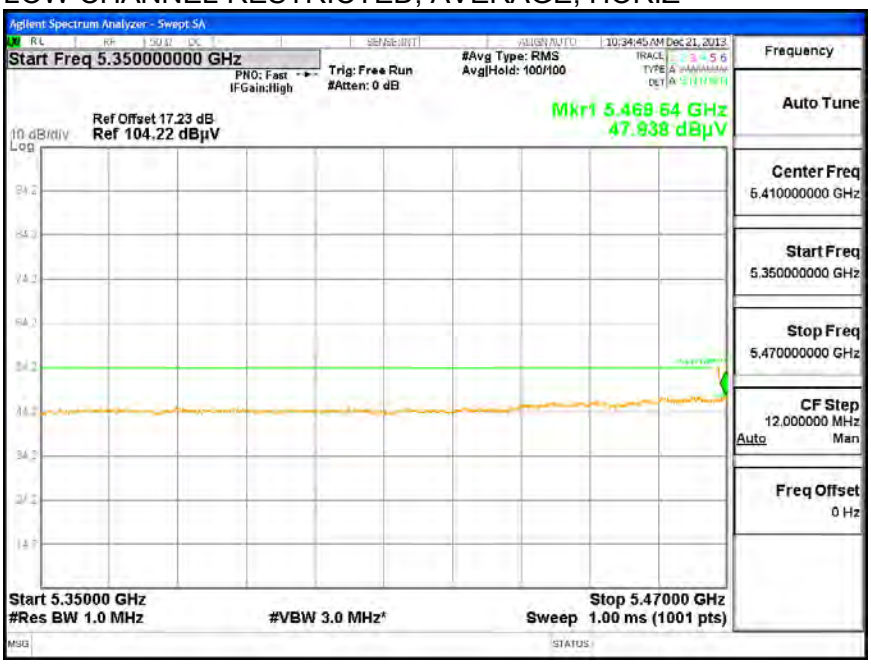
10.2.36. 802.11ac 80MHz 3TX SDM MODE IN THE 5.6 GHz BAND

RESTRICTED & AUTHORIZED BANDEDGE (LOW CHANNEL, CH 106)

LOW CHANNEL RESTRICTED & AUTHORIZED, PEAK, HORIZ

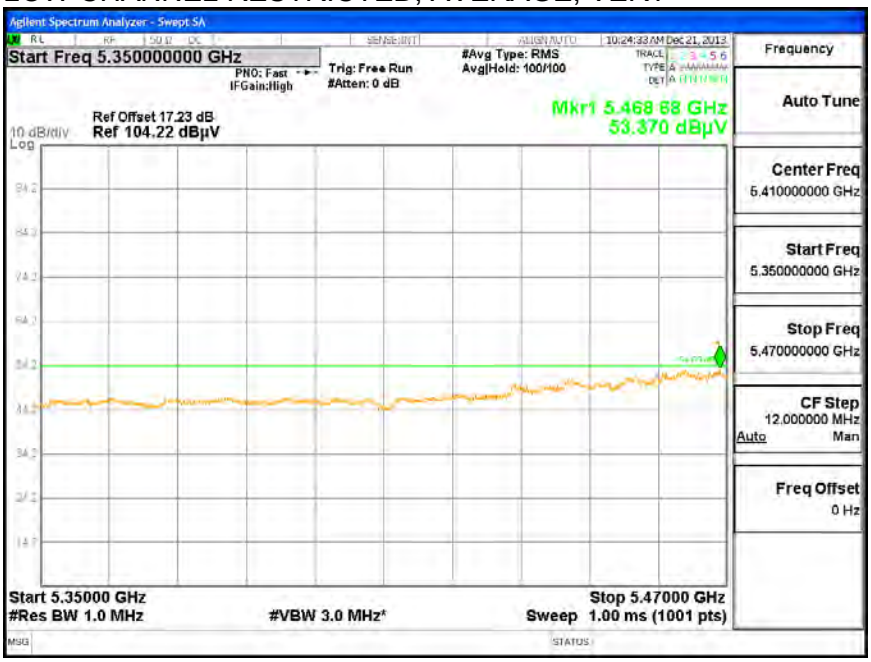


LOW CHANNEL RESTRICTED, AVERAGE, HORIZ



LOW CHANNEL RESTRICTED & AUTHORIZED, PEAK, VERT

LOW CHANNEL RESTRICTED, AVERAGE, VERT



HARMONICS AND SPURIOUS EMISSIONS

CH 106 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.794	44.49	PK	33.6	-29.4	0	48.69	54	-5.31	74	-25.31	0-360	101	V
6.145	41.46	PK	35.4	-18.8	0	58.06	-	-	68.2	-10.14	0-360	101	V
* 7.374	41.75	PK	35.7	-26.7	0	50.75	-	-	74	-23.25	0-360	101	V
* 7.374	39.86	AD1	35.7	-26.7	0.6	48.86	54	-5.14	-	-	160	312	V
* 7.373	41.61	PK	35.7	-26.7	0	50.61	-	-	74	-23.39	0-360	200	H
* 7.373	36.83	AD1	35.7	-26.7	0.6	45.83	54	-8.17	-	-	83	275	H
* 4.916	42.47	PK	34	-27.3	0	49.17	-	-	74	-24.83	0-360	101	V
* 4.916	36.36	AD1	34	-27.3	0.6	43.06	54	-10.94	-	-	99	103	V
9.527	36	PK	37.2	-22.7	0	50.5	-	-	68.2	-17.7	0-360	101	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

Avg - Video bandwidth < Resolution bandwidth

AD1 - KDB 789033 Method: AD Primary Power Average

CH 138 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 5.059	42.6	PK	34.1	-26.5	0	50.2	-	-	74	-23.8	0-360	200	H
* 5.059	37.39	AD1	34.1	-26.5	0.6	44.99	54	-9.01	-	-	341	268	H
* 5.059	46.19	PK	34.1	-26.5	0	53.79	-	-	74	-20.21	0-360	101	V
* 5.059	41.28	AD1	34.1	-26.5	0.6	48.88	54	-5.12	-	-	233	315	V
6.324	40.96	PK	35.6	-26.4	0	50.16	-	-	68.2	-18.04	0-360	101	H
6.323	44.79	PK	35.6	-26.4	0	53.99	-	-	68.2	-14.21	0-360	101	V
6.956	40.7	PK	35.7	-26.1	0	50.3	-	-	68.2	-17.9	0-360	201	V
* 7.587	38.74	PK	35.9	-25.2	0	49.44	-	-	68.2	-18.76	0-360	101	V
* 7.587	36.75	AD1	35.9	-25.2	0.6	47.45	54	-6.55	-	-	314	205	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

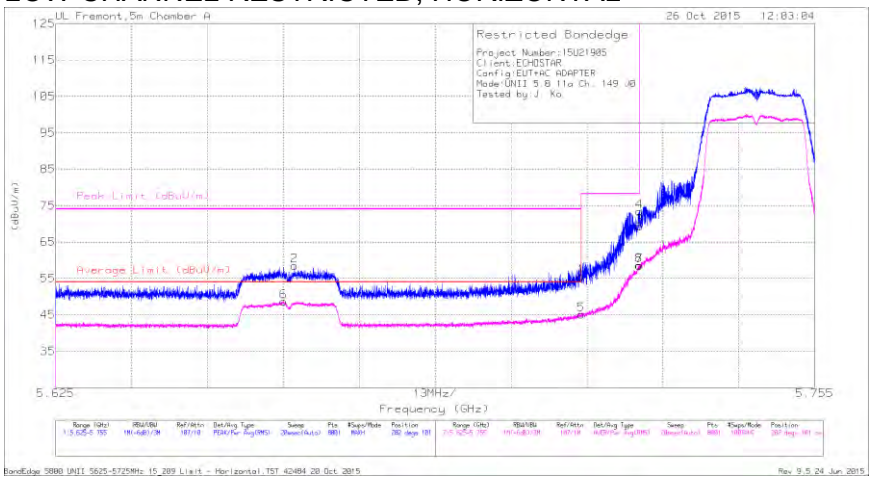
PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

10.2.37. TX ABOVE 1 GHz 802.11a SISO MODE IN THE 5.8 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

LOW CHANNEL RESTRICTED, HORIZONTAL



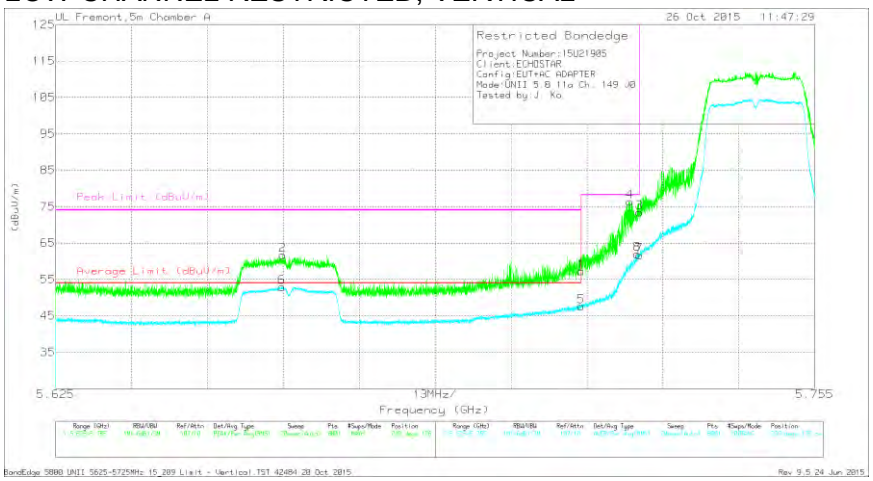
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Flt 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
6	5.664	34.85	RMS	34.6	-21	.22	48.67	54	-5.33	-	-	282	101	H
2	5.666	44.89	Pk	34.6	-21	0	58.49	-	-	74	-15.51	282	101	H
1	5.715	41.58	Pk	34.7	-20.8	0	55.48	-	-	74	-18.52	282	101	H
5	5.715	30.97	RMS	34.7	-20.8	.22	45.09	54	-8.91	-	-	282	101	H
3	5.725	55.26	Pk	34.7	-20.7	0	69.26	-	-	78.2	-8.94	282	101	H
4	5.725	59.36	Pk	34.7	-20.7	0	73.36	-	-	78.2	-4.84	282	101	H
7	5.725	44.3	RMS	34.7	-20.7	.22	58.52	-	-	-	-	282	101	H
8	5.725	44.36	RMS	34.7	-20.7	.22	58.58	-	-	-	-	282	101	H

Pk - Peak detector

RMS - RMS detection

LOW CHANNEL RESTRICTED, VERTICAL



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.664	48.13	Pk	34.6	-21	0	61.73	-	-	74	-12.27	239	176	V
6	5.664	39.11	RMS	34.6	-21	.22	52.93	54	-1.07	-	-	239	176	V
1	5.715	43.36	Pk	34.7	-20.8	0	57.26	-	-	74	-16.74	239	176	V
5	5.715	33.43	RMS	34.7	-20.8	.22	47.55	54	-6.45	-	-	239	176	V
4	5.723	62.35	Pk	34.7	-20.7	0	76.35	-	-	78.2	-1.85	239	176	V
3	5.725	59.43	Pk	34.7	-20.7	0	73.43	-	-	78.2	-4.77	239	176	V
7	5.725	47.42	RMS	34.7	-20.7	.22	61.64	-	-	-	-	239	176	V
8	5.725	47.73	RMS	34.7	-20.7	.22	61.95	-	-	-	-	239	176	V

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

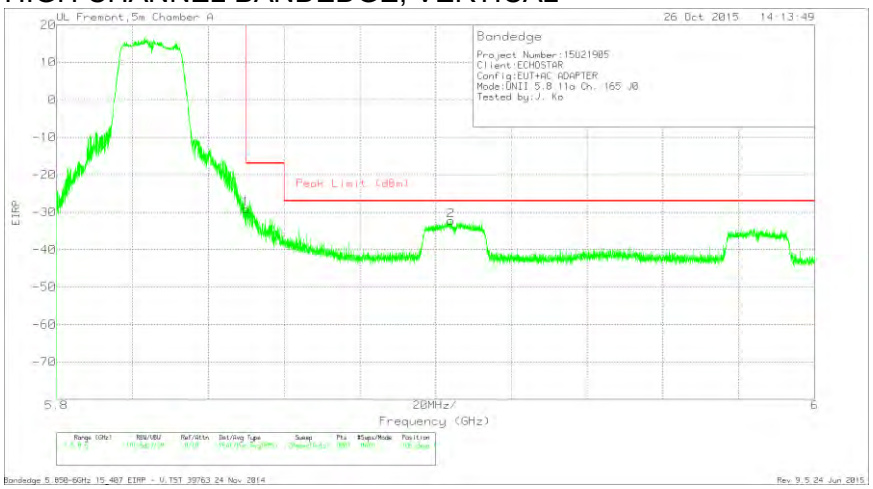
HIGH CHANNEL BANDEDGE, HORIZONTAL

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-61.02	Pk	35.1	-20.3	11.8	-34.42	-17	-17.42	64	204	H
2	5.904	-61.6	Pk	35.2	-20.2	11.8	-34.8	-27	-7.8	64	204	H

Pk - Peak detector

HIGH CHANNEL BANDEDGE, VERTICAL



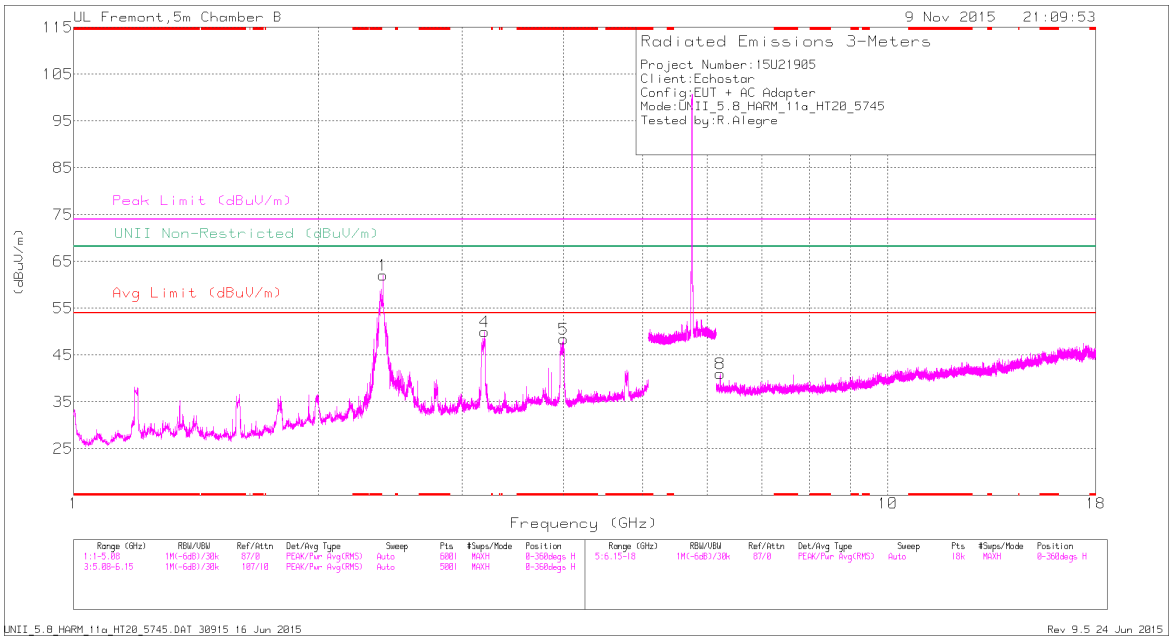
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-55.79	Pk	35.1	-20.3	11.8	-29.19	-17	-12.19	106	189	V
2	5.904	-59.03	Pk	35.2	-20.2	11.8	-32.23	-27	-5.23	106	189	V

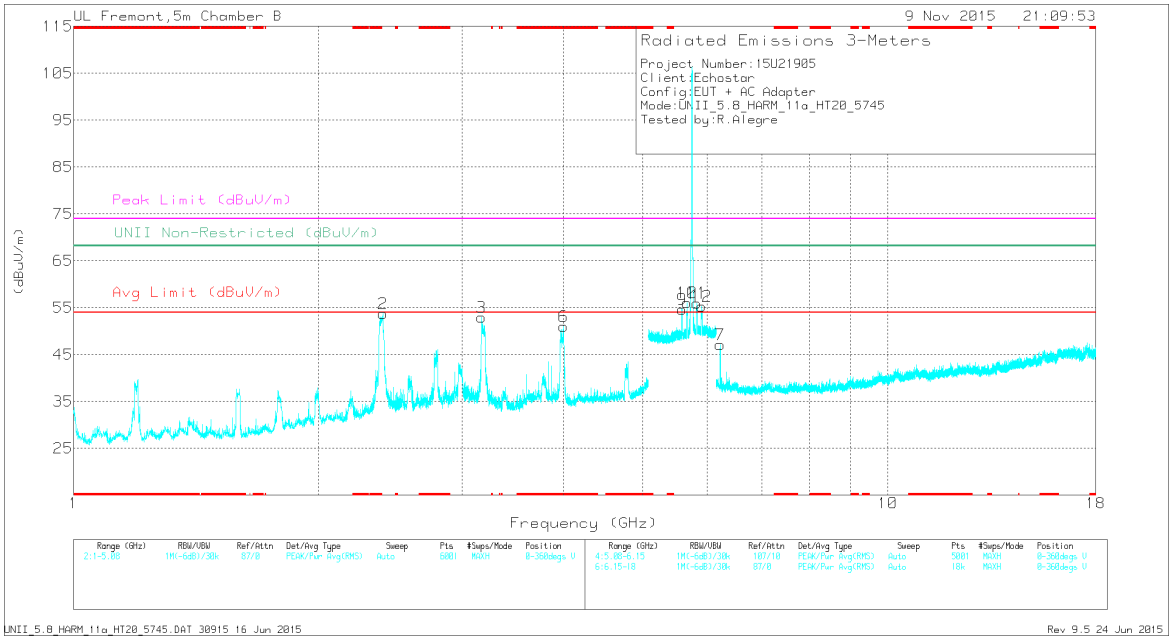
Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL PLOT



LOW CHANNEL VERTICAL PLOT



DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/ Fltr/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
5	* 3.999	56.71	PK-U	33.3	-31.4	0	58.61	-	-	74	-15.39	-	-	36	231	H
	* 3.998	37.37	ADR	33.3	-31.4	.22	39.49	54	-14.51	-	-	-	-	36	231	H
6	* 3.997	58.75	PK-U	33.3	-31.5	0	60.55	-	-	74	-13.45	-	-	334	209	V
	* 3.997	40.21	ADR	33.3	-31.5	.22	42.23	54	-11.77	-	-	-	-	334	209	V
1	2.4	69.49	PK-U	32	-34.1	0	67.39	-	-	-	-	68.2	-.81	339	159	H
2	2.4	65.26	PK-U	32	-34.1	0	63.16	-	-	-	-	68.2	-5.04	294	139	V
3	3.168	63.03	PK-U	32.8	-32.6	0	63.23	-	-	-	-	68.2	-4.97	329	152	V
4	3.192	57.26	PK-U	32.7	-33	0	56.96	-	-	-	-	68.2	-11.24	359	119	H
9	5.587	49.8	PK-U	34.5	-20.2	0	64.1	-	-	-	-	68.2	-4.1	57	182	V
10	**5.663	41.43	Pk	34.6	-20	0	56.03	-	-	-	-	68.2	-12.17	0-360	200	V
11	***5.824	40.32	Pk	35	-19.3	0	56.02	-	-	-	-	68.2	-12.18	0-360	200	V
12	5.902	48.33	PK-U	35.2	-19.3	0	64.23	-	-	-	-	68.2	-3.97	108	201	V
8	6.224	42.76	PK-U	35.5	-28	0	50.26	-	-	-	-	68.2	-17.94	8	104	H
7	6.224	47.2	PK-U	35.5	-28	0	54.7	-	-	-	-	68.2	-13.5	289	238	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

** - indicates frequency covered by bandedge measurement

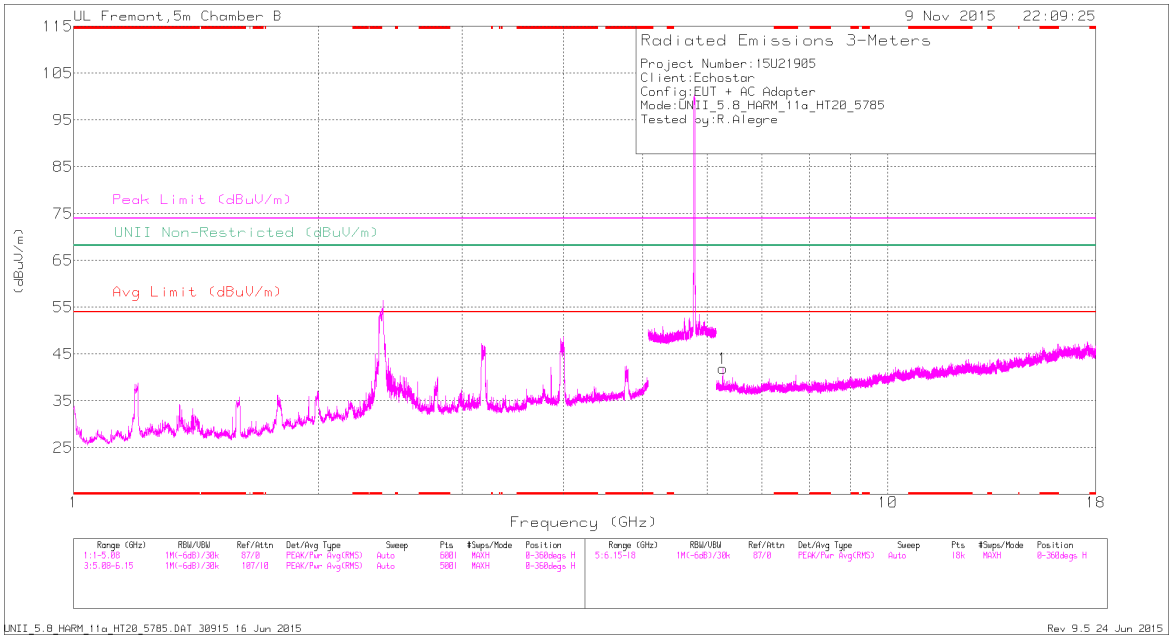
*** - indicates frequency inside the authorized band

Pk - Peak detector

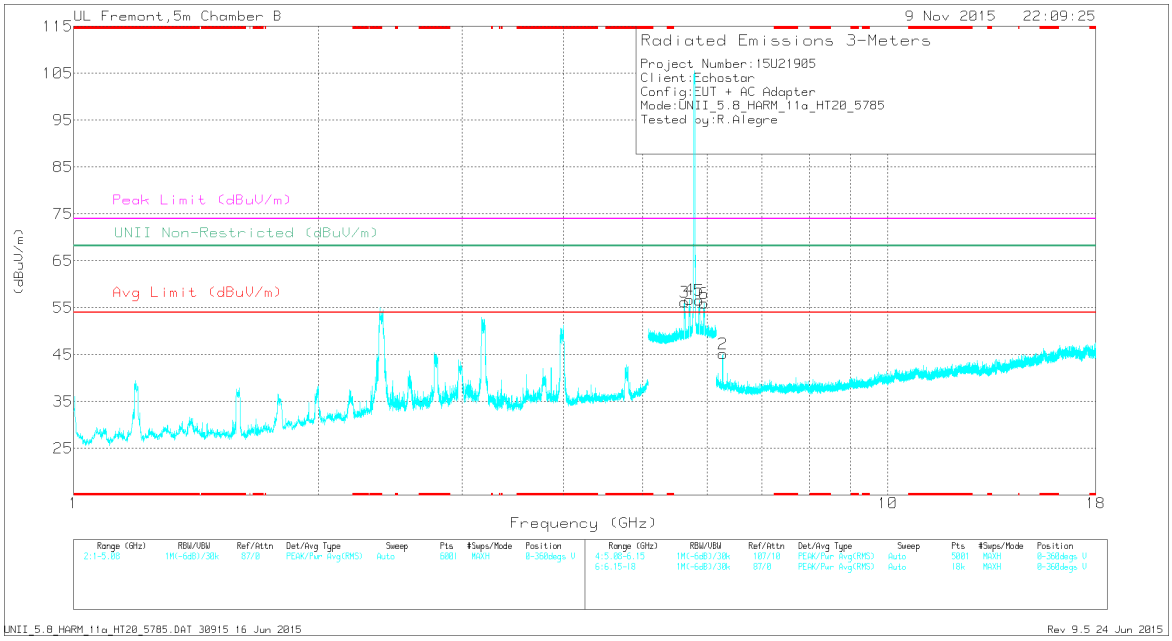
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL HORIZONTAL PLOT



MID CHANNEL VERTICAL PLOT



DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	5.629	49.88	PK-U	34.5	-20.1	0	64.28	-	-	-	-	68.2	-3.92	113	160	V
4	5.704	49.96	PK-U	34.7	-19.8	0	64.86	-	-	-	-	68.2	-3.34	118	187	V
5	*5.867	49.3	PK-U	35.1	-19.3	0	65.1	-	-	-	-	68.2	-3.1	112	181	V
6	*5.946	48.82	PK-U	35.3	-19.3	0	64.82	-	-	-	-	68.2	-3.38	37	208	V
2	6.266	46.3	PK-U	35.5	-28	0	53.8	-	-	-	-	68.2	-14.4	187	210	V
1	6.267	41.59	PK-U	35.5	-28	0	49.09	-	-	-	-	68.2	-19.11	9	102	H

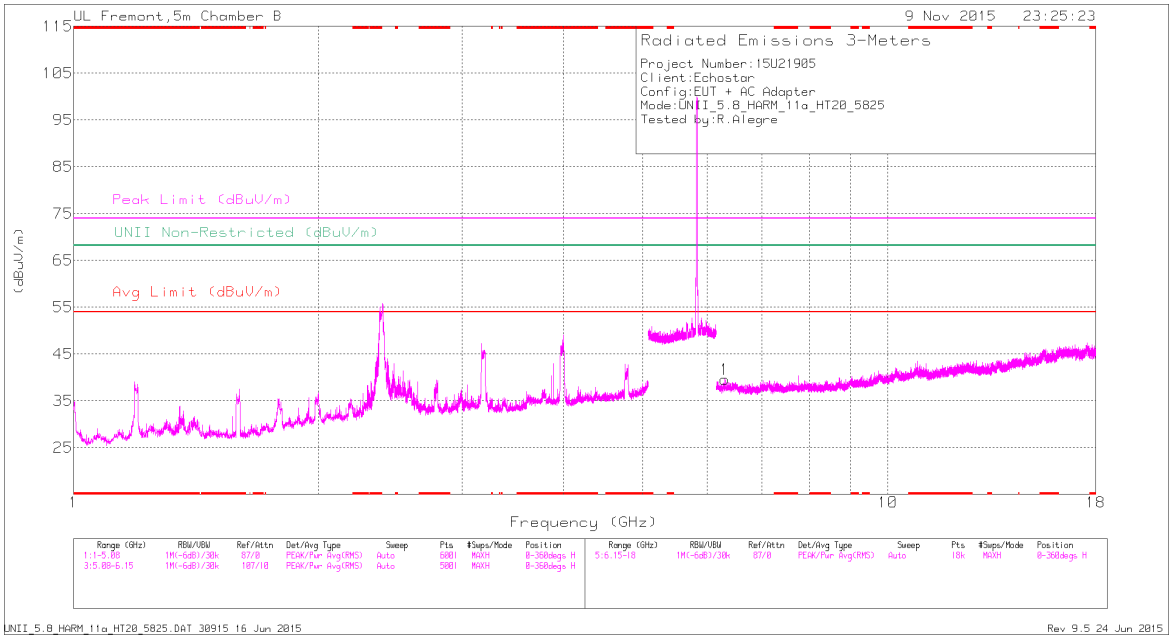
* - indicates frequency covered by bandedge measurement

Pk - Peak detector

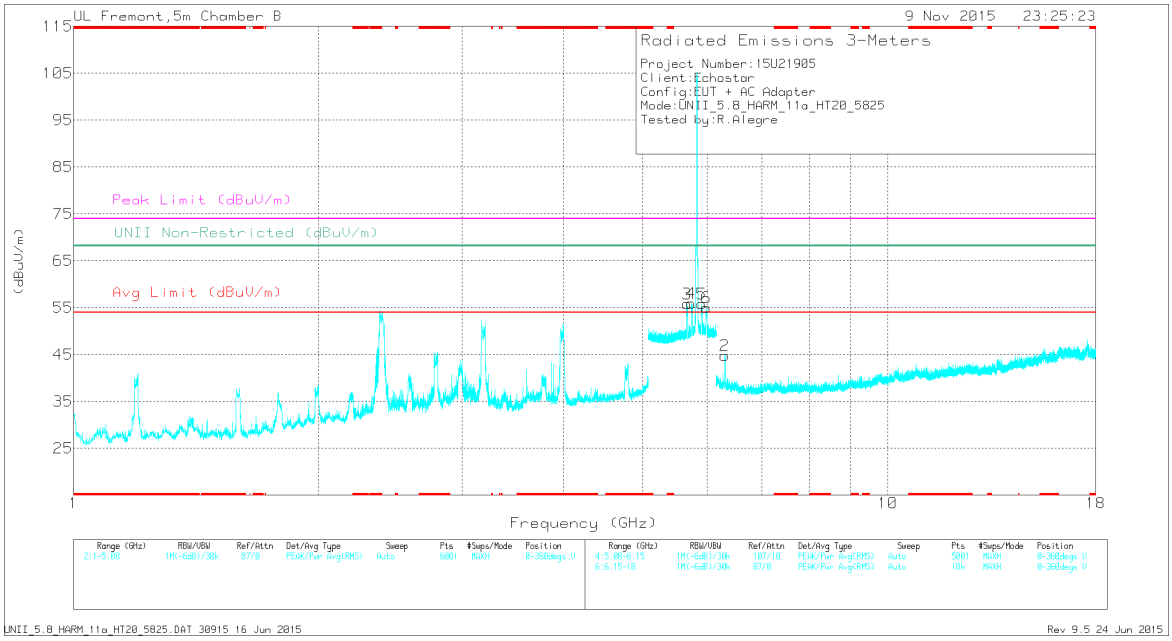
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HORIZONTAL PLOT



HIGH CHANNEL VERTICAL PLOT



DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	5.667	50.87	PK-U	34.6	-20	0	65.47	-	-	-	-	68.2	-2.73	48	220	V
4	*5.738	40.91	Pk	34.8	-19.8	0	55.91	-	-	-	-	68.2	-12.29	0-360	200	V
5	**5.906	39.93	Pk	35.2	-19.3	0	55.83	-	-	-	-	68.2	-12.37	0-360	200	V
6	**5.984	39	Pk	35.3	-19.3	0	55	-	-	-	-	68.2	-13.2	0-360	200	V
2	6.306	44.14	PK-U	35.6	-27.8	0	51.94	-	-	-	-	68.2	-16.26	166	201	V
1	6.31	40.2	PK-U	35.5	-27.8	0	47.9	-	-	-	-	68.2	-20.3	0	125	H

* - indicates frequency in authorized band

** - indicates frequency covered by the bandedge measurement

Pk - Peak detector

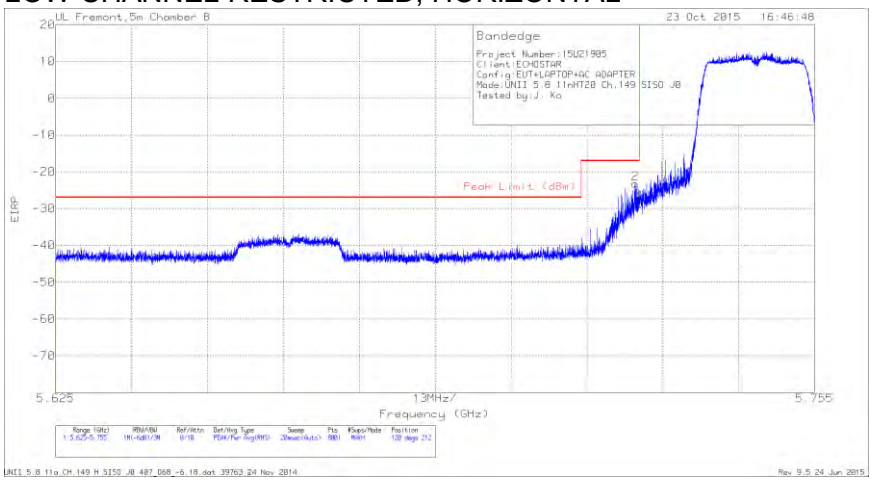
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

10.2.38. TX ABOVE 1 GHz 802.11n HT20 SISO MODE IN THE 5.8 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

LOW CHANNEL RESTRICTED, HORIZONTAL



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.724	-48.98	Pk	35	-21	11.8	-23.18	-17	-6.18	120	212	H
1	5.725	-54.55	Pk	35	-20.8	11.8	-28.55	-17	-11.55	120	212	H

Pk - Peak detector

LOW CHANNEL RESTRICTED, VERTICAL

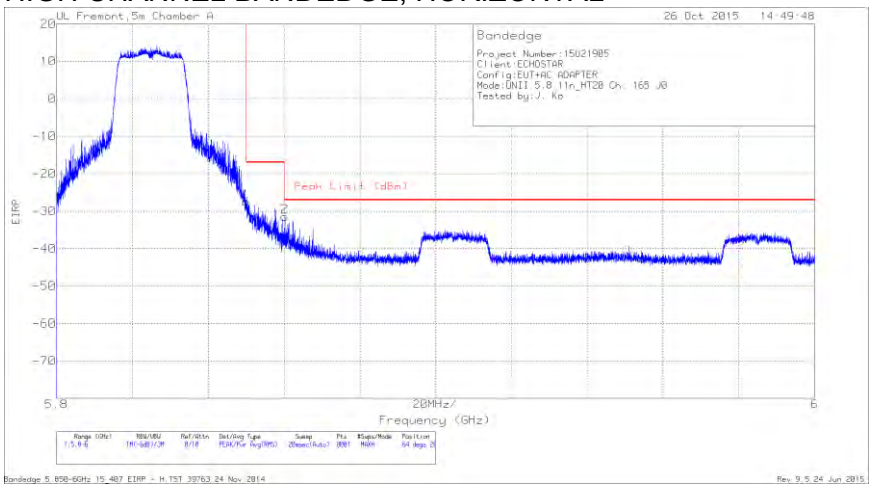
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-47.64	Pk	35	-20.8	11.8	-21.64	-17	-4.64	108	221	V
2	5.725	-43.83	Pk	35	-20.9	11.8	-17.93	-17	-.93	108	221	V

Pk - Peak detector

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HIGH CHANNEL BANDEDGE, HORIZONTAL

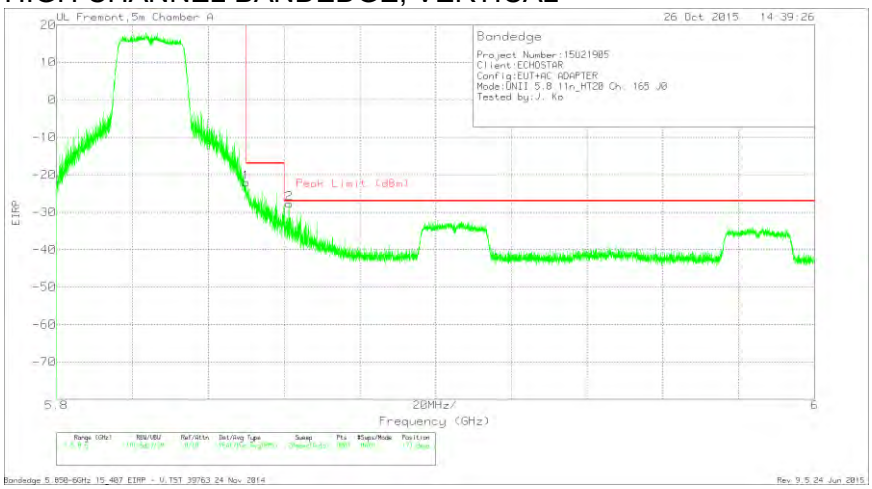


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-54.03	Pk	35.1	-20.3	11.8	-27.43	-17	-10.43	64	205	H
2	5.86	-58.06	Pk	35.1	-20.3	11.8	-31.46	-27	-4.46	64	205	H

Pk - Peak detector

HIGH CHANNEL BANDEDGE, VERTICAL



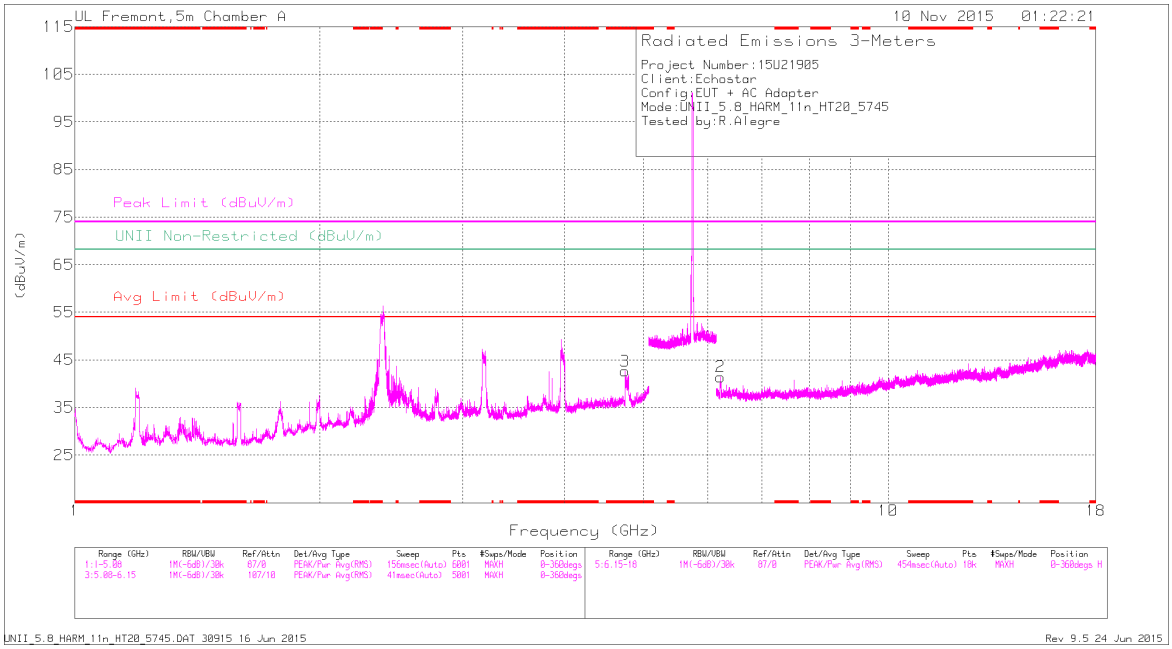
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-48.69	Pk	35.1	-20.3	11.8	-22.09	-17	-5.09	173	201	V
2	5.861	-54.3	Pk	35.1	-20.3	11.8	-27.7	-27	-.7	173	201	V

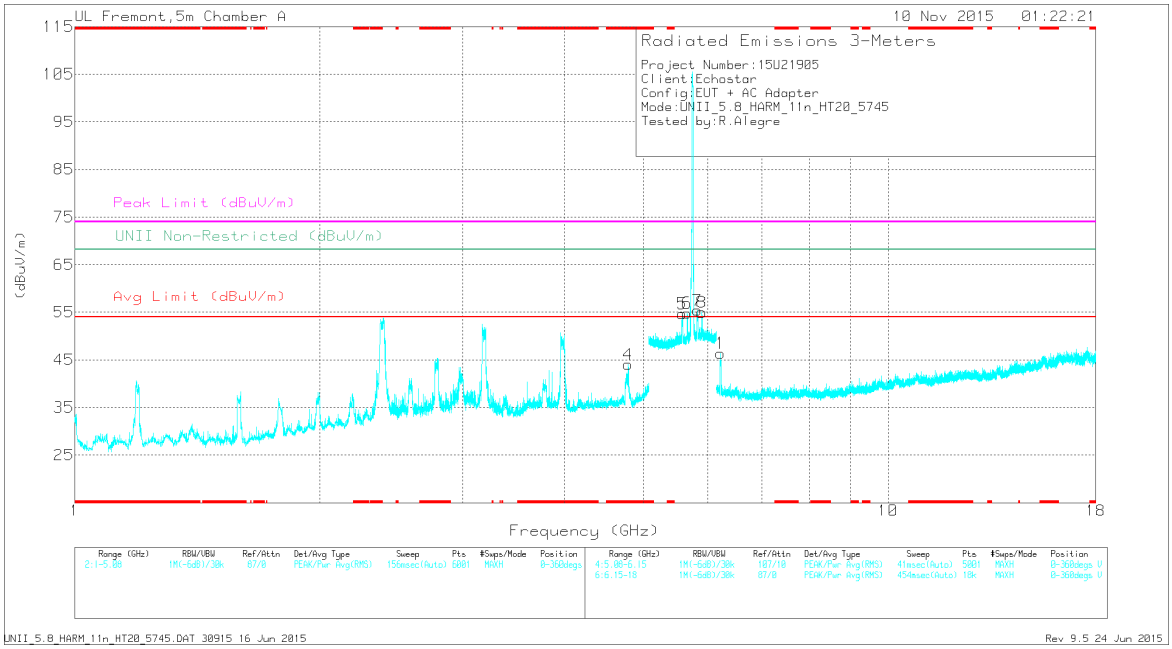
Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL PLOT



LOW CHANNEL VERTICAL PLOT



DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* 4.753	48.42	PK-U	34	-30.3	0	52.12	-	-	74	-21.88	-	-	36	175	H
	* 4.753	31.41	ADR	34	-30.3	.22	35.33	54	-18.67	-	-	-	-	36	175	H
4	* 4.791	47.8	PK-U	34	-30	0	51.8	-	-	74	-22.2	-	-	309	113	V
	* 4.792	31.72	ADR	34	-30	.22	35.94	54	-18.06	-	-	-	-	309	113	V
5	5.582	43.52	PK-U	34.5	-20.2	0	57.82	-	-	-	-	68.2	-10.38	126	288	V
6	**5.66	40.35	Pk	34.6	-20.1	0	54.85	-	-	-	-	68.2	-13.35	0-360	200	V
7	***5.831	39.7	Pk	35	-19.3	0	55.4	-	-	-	-	68.2	-12.8	0-360	200	V
8	5.905	43.6	PK-U	35.2	-19.3	0	59.5	-	-	-	-	68.2	-8.7	205	273	V
2	6.223	40.98	PK-U	35.5	-28	0	48.48	-	-	-	-	68.2	-19.72	277	204	H
1	6.224	47.8	PK-U	35.5	-28	0	55.3	-	-	-	-	68.2	-12.9	185	199	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

** - indicates frequency covered by bandedge measurement

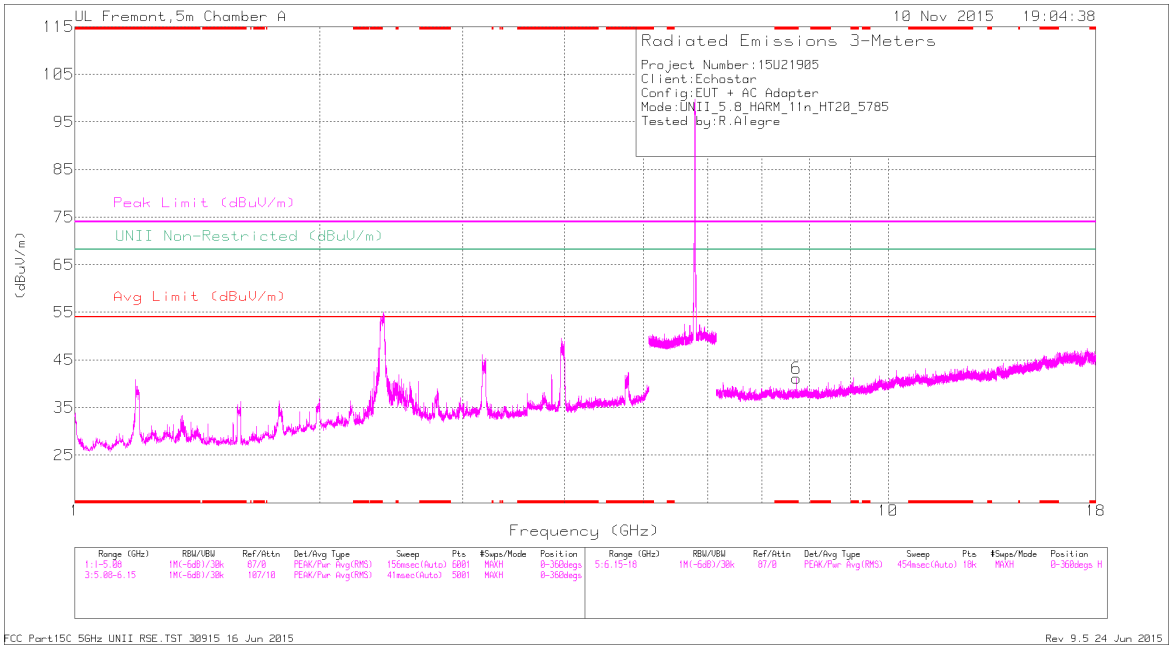
*** - indicates frequency inside the authorized band

Pk - Peak detector

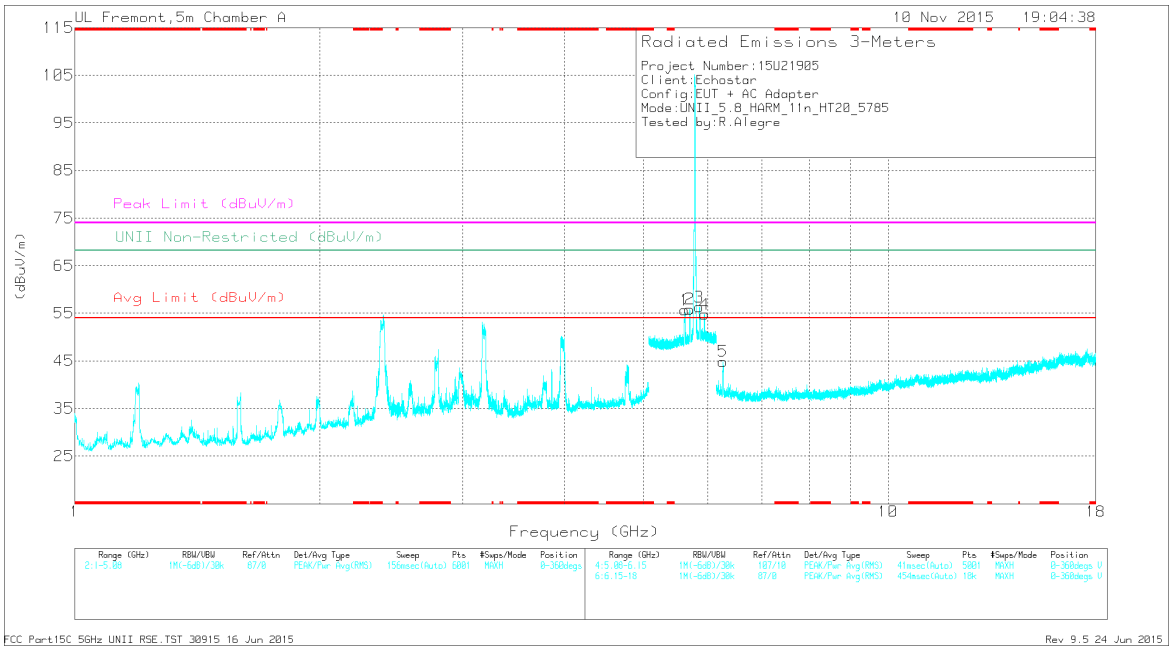
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL HORIZONTAL PLOT



MID CHANNEL VERTICAL PLOT



DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/ Fltr/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
6	* 7.713	38.73	PK-U	35.7	-26.1	0	48.33	-	-	74	-25.67	-	-	274	212	H
	* 7.713	29.96	ADR	35.7	-26.1	.22	39.78	54	-14.22	-	-	-	-	274	212	H
1	5.624	50.42	PK-U	34.5	-20.2	0	64.72	-	-	-	-	68.2	-3.48	180	212	V
2	5.703	50.27	PK-U	34.7	-19.8	0	65.17	-	-	-	-	68.2	-3.03	189	202	V
3	5.858	48.36	PK-U	35.1	-19.4	0	64.06	-	-	-	-	68.2	-4.14	174	222	V
4	5.952	47.1	PK-U	35.3	-19.3	0	63.1	-	-	-	-	68.2	-5.1	239	246	V
5	6.267	45.35	PK-U	35.5	-28	0	52.85	-	-	-	-	68.2	-15.35	237	185	V

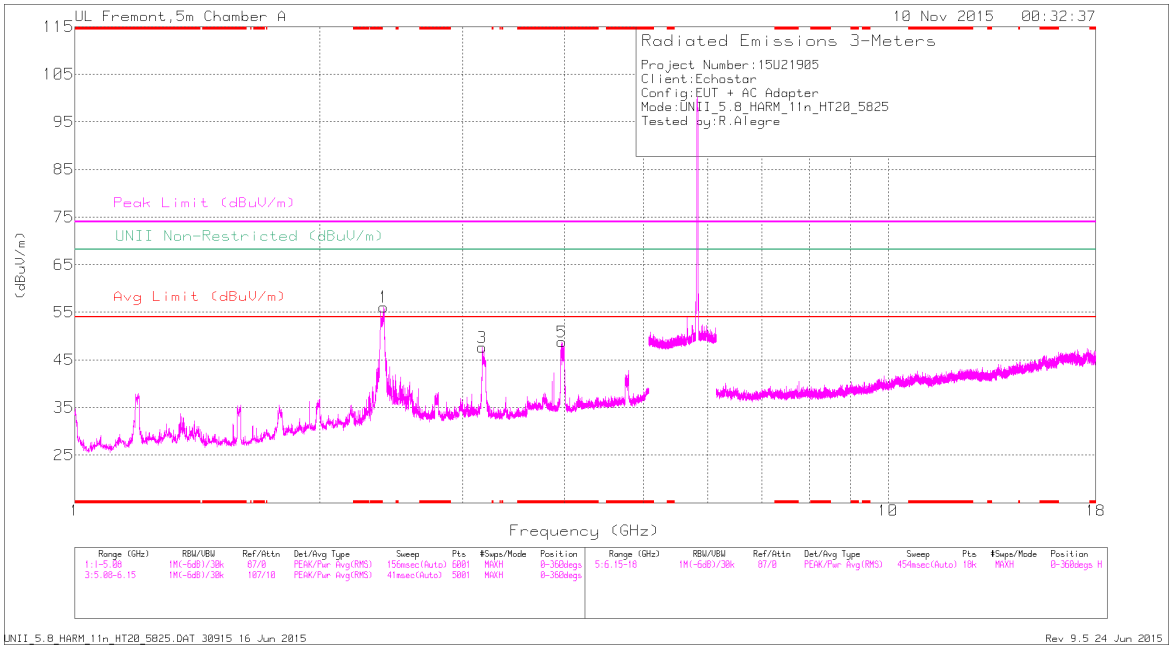
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

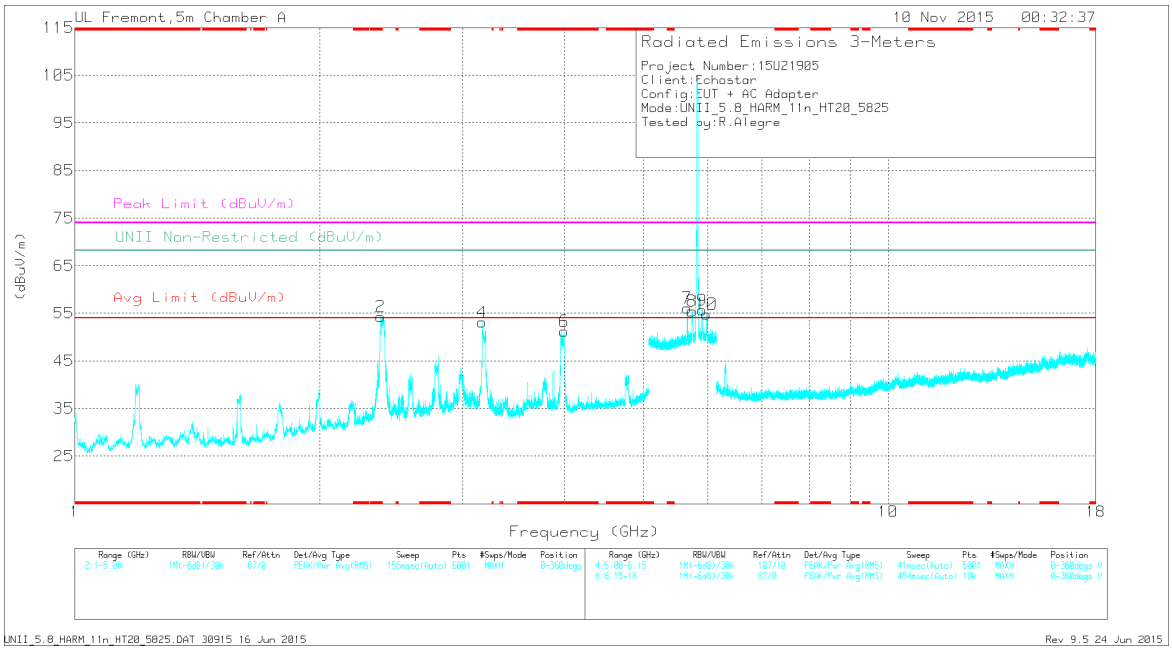
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HORIZONTAL PLOT



HIGH CHANNEL VERTICAL PLOT



DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/ Fltr/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
5	* 3.966	57.36	PK-U	33.4	-31.8	0	58.96	-	-	74	-15.04	-	-	346	258	H
	* 3.968	39.37	ADR	33.4	-31.8	.22	41.19	54	-12.81	-	-	-	-	346	258	H
2	* 2.377	64.68	PK-U	31.9	-33.9	0	62.68	-	-	74	-11.32	-	-	138	195	V
	* 2.379	47.44	ADR	31.9	-33.9	.22	45.66	54	-8.34	-	-	-	-	138	195	V
6	* 4	58.13	PK-U	33.3	-31.4	0	60.03	-	-	74	-13.97	-	-	356	283	V
	* 3.998	38.55	ADR	33.3	-31.4	.22	40.67	54	-13.33	-	-	-	-	356	283	V
1	2.399	69.15	PK-U	32	-34.1	0	67.05	-	-	-	-	68.2	-1.15	339	112	H
3	3.168	57.45	PK-U	32.8	-32.6	0	57.65	-	-	-	-	68.2	-10.55	0	102	H
4	3.168	62.66	PK-U	32.8	-32.6	0	62.86	-	-	-	-	68.2	-5.34	314	103	V
7	5.664	45.55	PK-U	34.6	-20	0	60.15	-	-	-	-	68.2	-8.05	242	135	V
8	5.742	46.51	PK-U	34.8	-19.7	0	61.61	-	-	-	-	68.2	-6.59	177	206	V
9	**5.906	39.77	Pk	35.2	-19.3	0	55.67	-	-	-	-	68.2	-12.53	0-360	200	V
10	**5.984	38.85	Pk	35.3	-19.3	0	54.85	-	-	-	-	68.2	-13.35	0-360	200	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

** - indicates frequency covered by bandedge

Pk - Peak detector

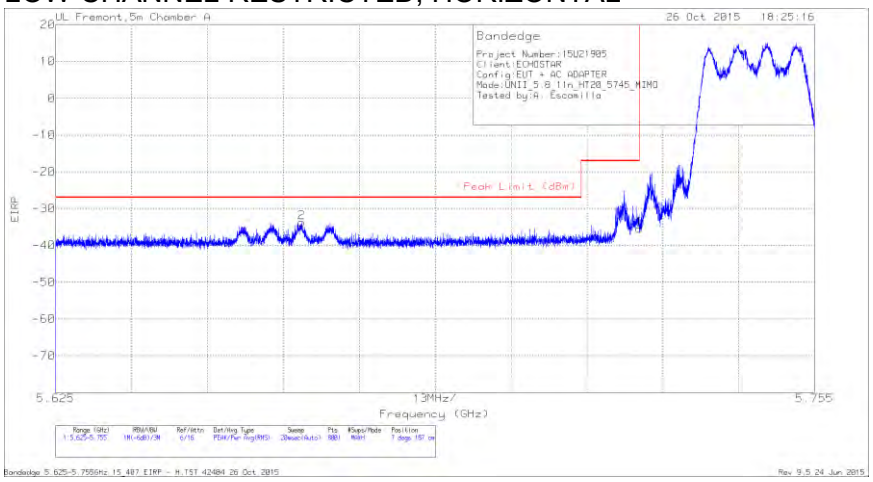
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

10.2.39. TX ABOVE 1 GHz 802.11n HT20 3TX CDD MODE IN THE 5.8 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

LOW CHANNEL RESTRICTED, HORIZONTAL



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.667	-59.2	Pk	34.6	-21	11.8	0	-33.8	-27	-6.8	7	187	H
1	5.725	-61.33	Pk	34.7	-20.7	11.8	0	-35.53	-17	-18.53	7	187	H

Pk - Peak detector

LOW CHANNEL RESTRICTED, VERTICAL

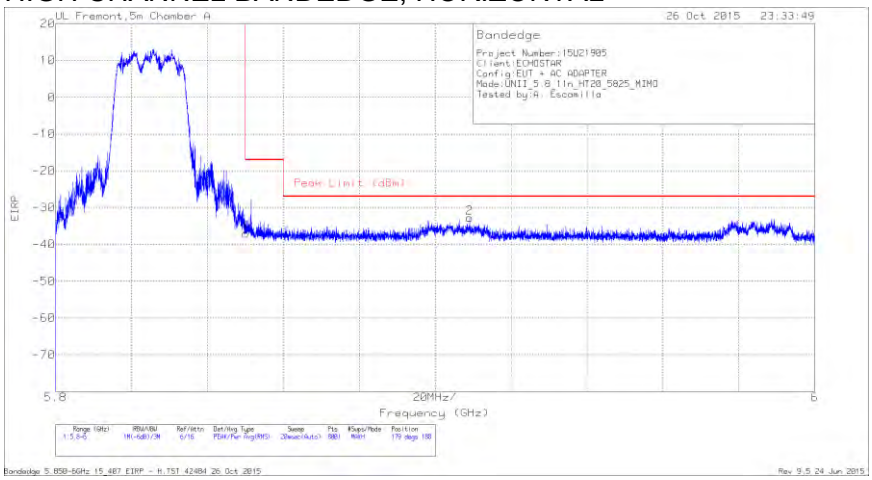
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.724	-43.31	Pk	34.7	-20.7	11.8	0	-17.51	-17	-.51	185	202	V
1	5.725	-55.18	Pk	34.7	-20.7	11.8	0	-29.38	-17	-12.38	185	202	V

Pk - Peak detector

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HIGH CHANNEL BANDEDGE, HORIZONTAL

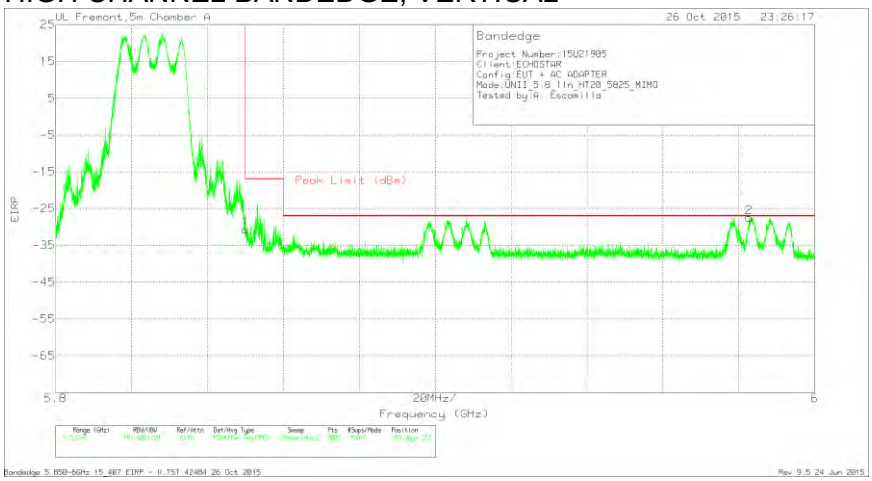


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-63.69	Pk	35.1	-20.3	11.8	0	-37.09	-17	-20.09	179	188	H
2	5.909	-59.56	Pk	35.2	-20.2	11.8	0	-32.76	-27	-5.76	179	188	H

Pk - Peak detector

HIGH CHANNEL BANDEDGE, VERTICAL



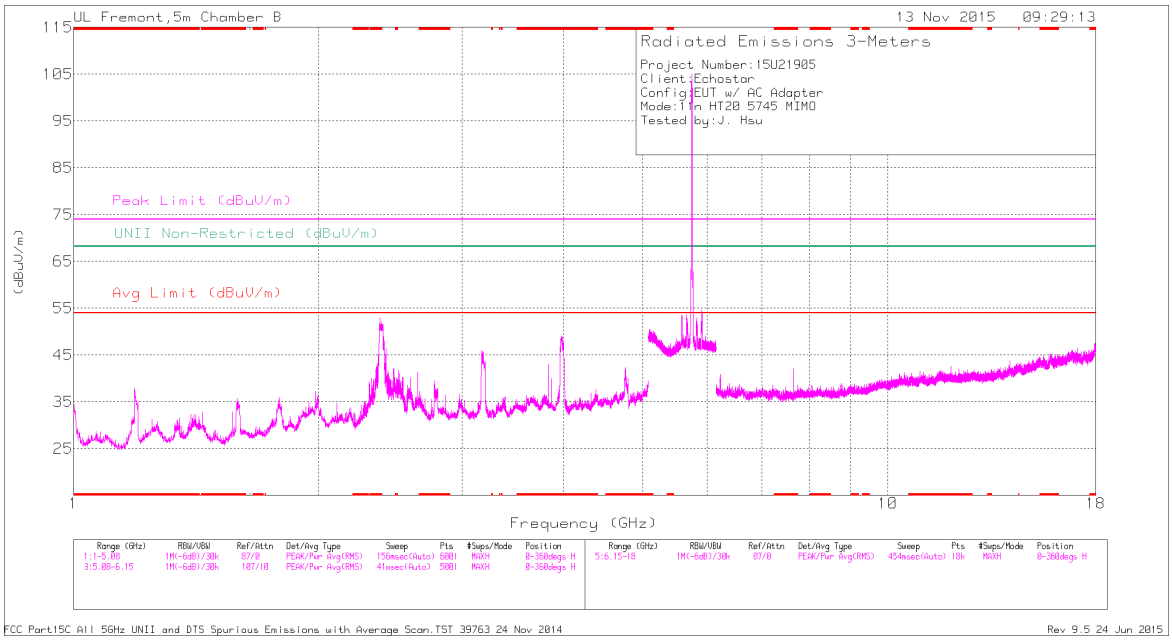
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-57.22	Pk	35.1	-20.3	11.8	0	-30.62	-17	-13.62	183	212	V
2	5.983	-54.44	Pk	35.3	-20.1	11.8	0	-27.44	-27	-.44	183	212	V

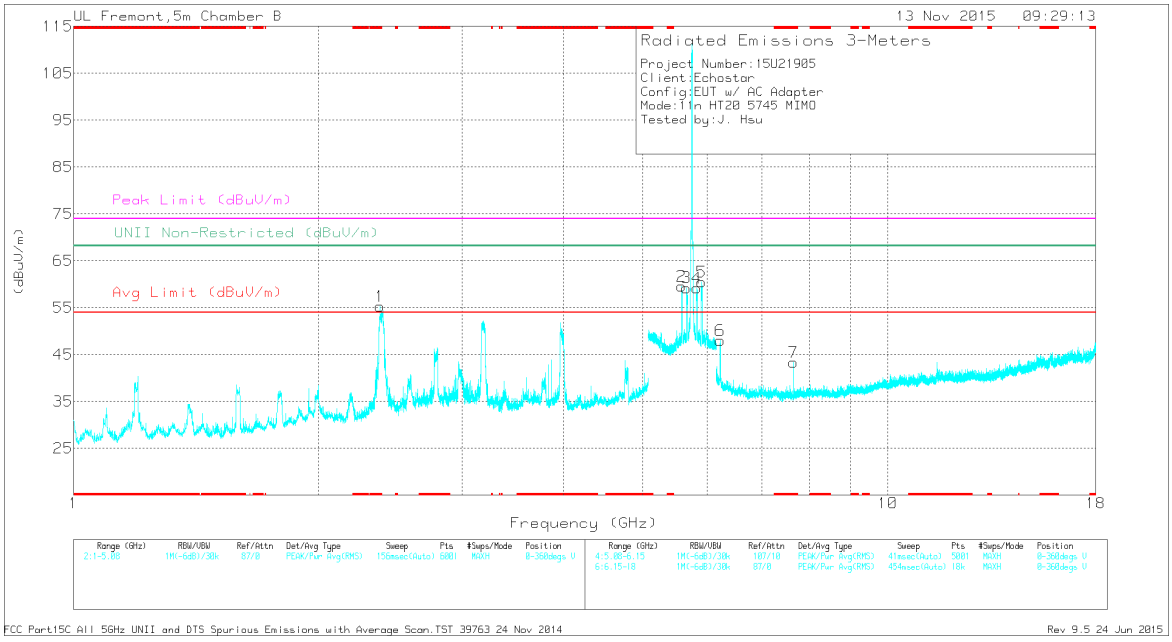
Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL PLOT



LOW CHANNEL VERTICAL PLOT



DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Fltr/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	* 2.379	67.45	PK-U	31.9	-34.3	0	65.05	-	-	74	-8.95	68.2	-3.15	179	103	V
	* 2.384	50.02	ADR	32	-34.4	.22	47.84	54	-6.16	-	-	-	-	179	103	V
7	* 7.66	43.88	PK-U	35.4	-29.9	0	49.38	-	-	74	-24.62	68.2	-18.82	166	268	V
	* 7.66	38.45	ADR	35.4	-29.9	.22	44.17	54	-9.83	-	-	-	-	166	268	V
2	5.583	53.22	PK-U	34.7	-20.8	0	67.12	-	-	-	-	68.2	-1.08	344	189	V
3	**5.658	45.37	Pk	34.9	-21	0	59.27	-	-	-	-	68.2	-8.93	0-360	199	V
4	***5.826	44.55	Pk	35.3	-20.7	0	59.15	-	-	-	-	68.2	-9.05	0-360	199	V
5	5.907	52.8	PK-U	35.5	-20.7	0	67.6	-	-	-	-	68.2	-.6	103	192	V
6	6.224	50.7	PK-U	35.5	-31.5	0	54.7	-	-	-	-	68.2	-13.5	26	187	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

** - indicates frequency covered by bandedge measurement

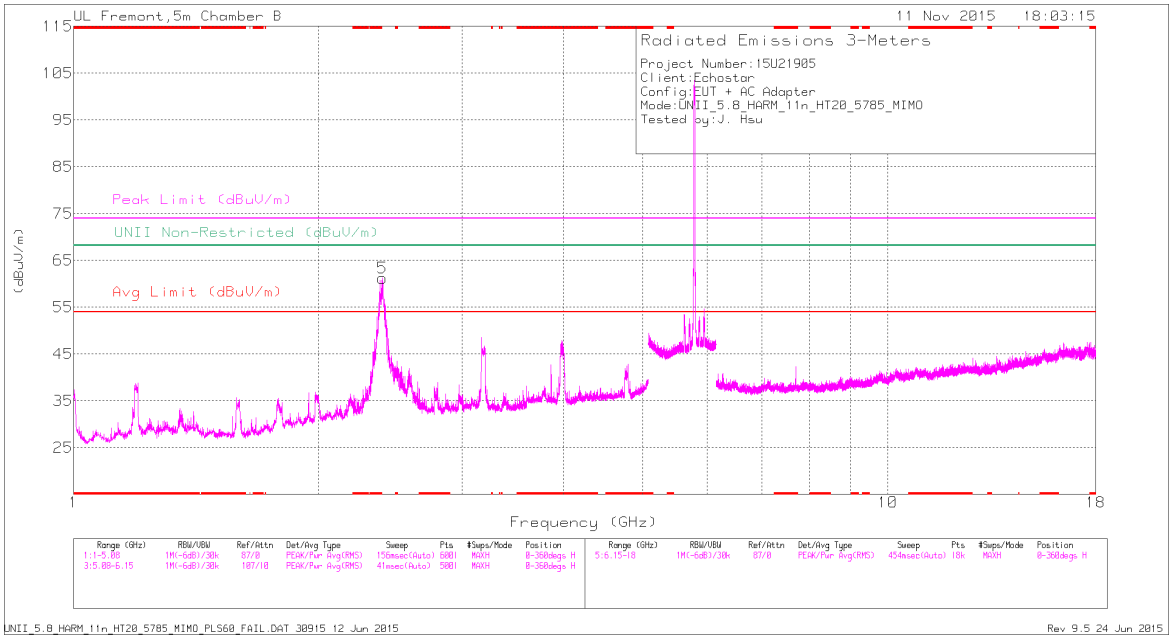
*** - indicates frequency inside the authorized band

Pk - Peak detector

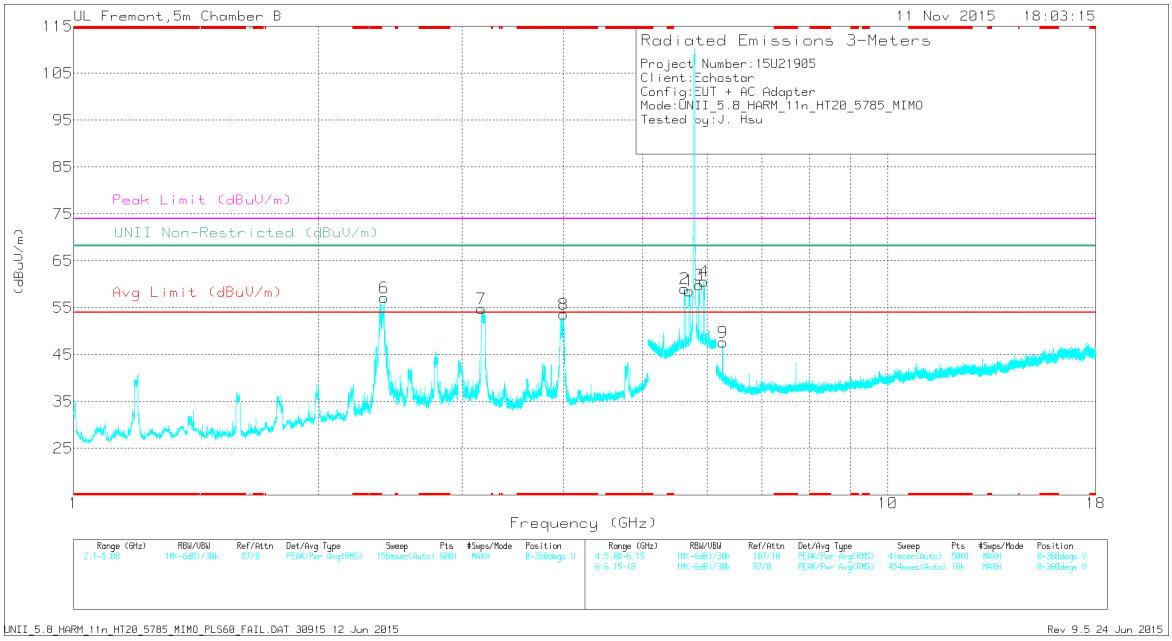
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL HORIZONTAL PLOT



MID CHANNEL VERTICAL PLOT



DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/ Fltr/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
8	* 4	58.89	PK-U	33.3	-31.4	0	60.79	-	-	74	-13.21	-	-	357	272	V
	* 3.997	39.51	ADR	33.3	-31.5	.22	41.53	54	-12.47	-	-	-	-	357	272	V
5	2.395	68.42	PK-U	32	-34.1	0	66.32	-	-	-	-	68.2	-1.88	335	240	H
6	2.406	62.97	PK-U	32	-34.2	0	60.77	-	-	-	-	68.2	-7.43	144	124	V
7	3.171	61.54	PK-U	32.8	-32.6	0	61.74	-	-	-	-	68.2	-6.46	337	118	V
2	5.626	52.62	PK-U	34.5	-21	0	66.12	-	-	-	-	68.2	-2.08	175	209	V
1	5.711	50.9	PK-U	34.7	-20.7	0	64.9	-	-	-	-	68.2	-3.3	33	196	V
3	5.863	52.6	PK-U	35.1	-20.3	0	67.4	-	-	-	-	68.2	-.8	182	210	V
4	5.947	52.35	PK-U	35.3	-20.2	0	67.45	-	-	-	-	68.2	-.75	0-360	200	V
9	6.267	47.38	PK-U	35.5	-28	0	54.88	-	-	-	-	68.2	-13.32	98	153	V

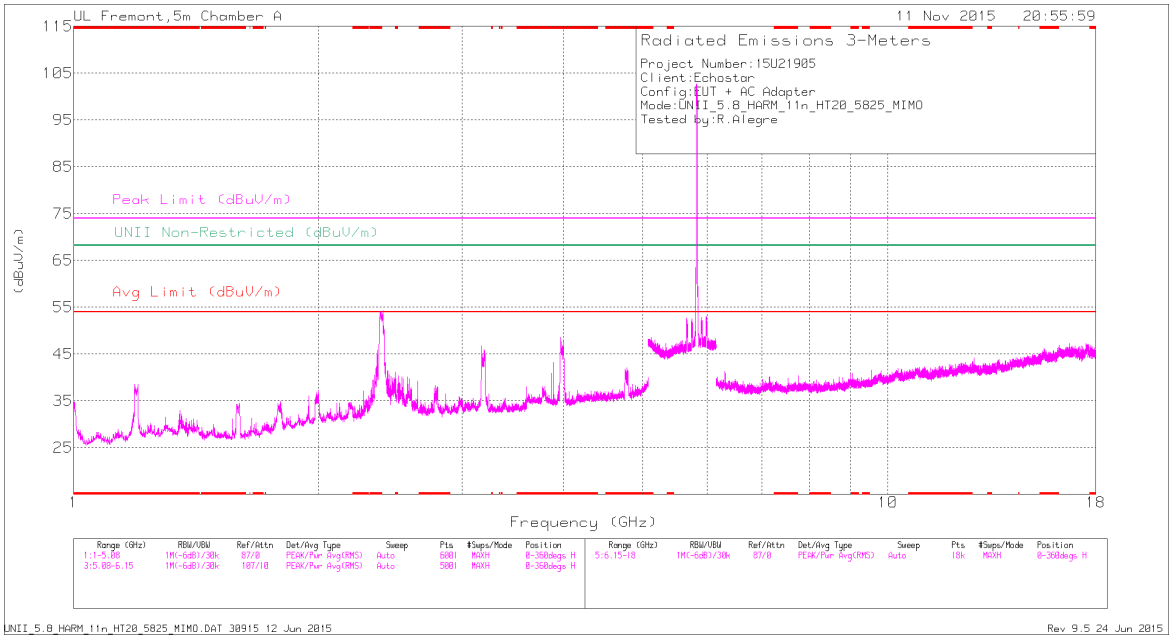
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

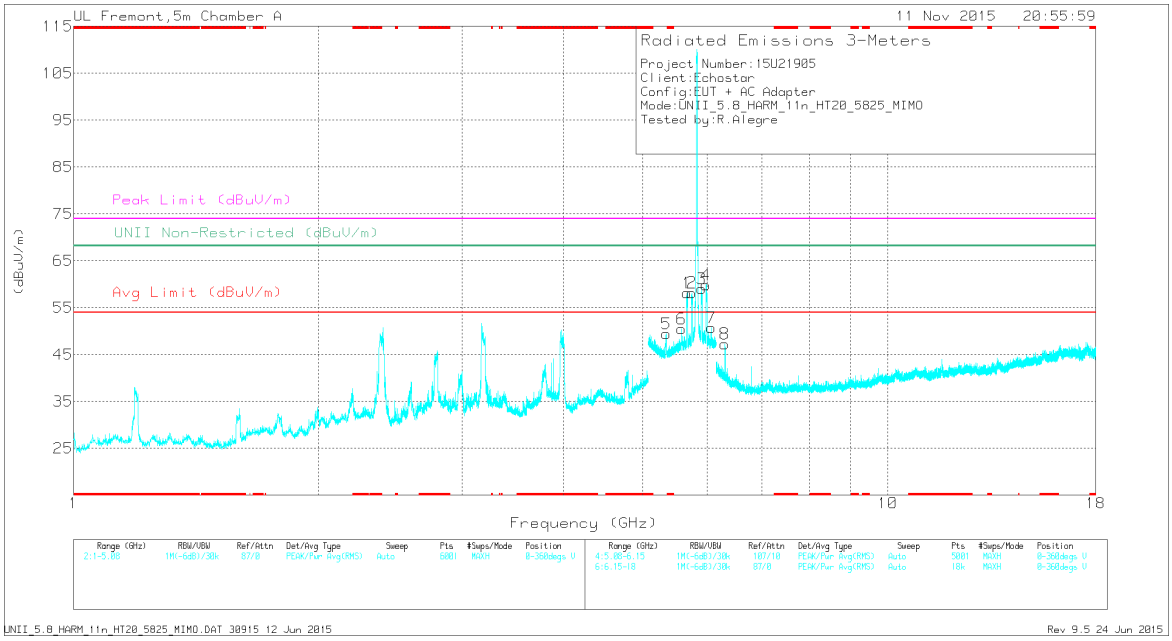
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HORIZONTAL PLOT



HIGH CHANNEL VERTICAL PLOT



DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/ Fltr/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
5	5.34	43.92	PK-U	34.6	-21	0	57.52	-	-	-	-	68.2	-10.68	161	217	V
6	5.582	45.13	PK-U	34.5	-21	0	58.63	-	-	-	-	68.2	-9.57	121	182	V
1	5.665	51.84	PK-U	34.6	-21	0	65.44	-	-	-	-	68.2	-2.76	163	194	V
2	**5.744	44.03	Pk	34.8	-20.6	0	58.23	-	-	-	-	68.2	-9.97	0-360	200	V
3	*5.907	44.05	Pk	35.2	-20.2	0	59.05	-	-	-	-	68.2	-9.15	0-360	200	V
4	*5.977	44.7	Pk	35.3	-20.1	0	59.9	-	-	-	-	68.2	-8.3	0-360	200	V
7	6.067	43.61	PK-U	35.4	-19.9	0	59.11	-	-	-	-	68.2	-9.09	246	214	V
8	6.303	46.48	PK-U	35.6	-27.8	0	54.28	-	-	-	-	68.2	-13.92	231	172	V

* - indicates frequency covered by bandedge measurement

** - indicates frequency inside the authorized band

Pk - Peak detector

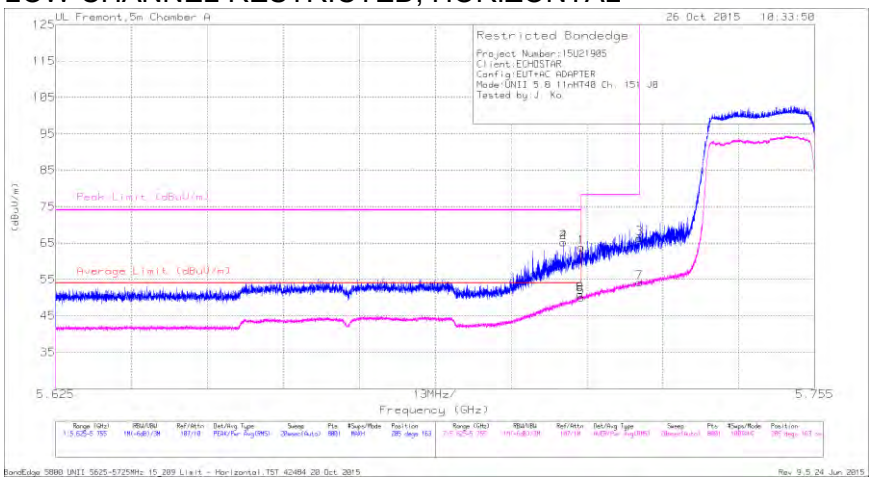
* - indicates frequency covered by bandedge measurement

** - indicates frequency inside the authorized band

10.2.40. TX ABOVE 1 GHz 802.11n HT40 SISO MODE IN THE 5.8 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

LOW CHANNEL RESTRICTED, HORIZONTAL



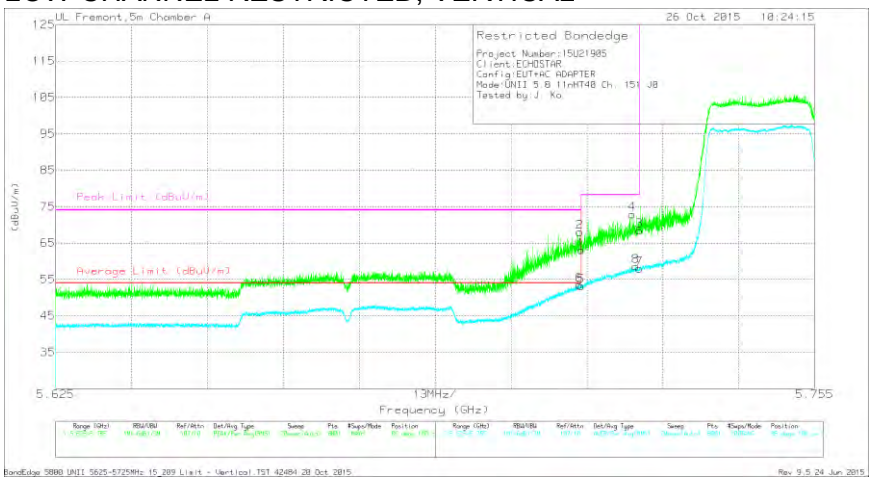
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.712	51.24	Pk	34.7	-20.7	0	65.24	-	-	74	-8.76	285	163	H
4	5.712	51.24	Pk	34.7	-20.7	0	65.24	-	-	74	-8.76	285	163	H
1	5.715	49.95	Pk	34.7	-20.8	0	63.85	-	-	74	-10.15	285	163	H
5	5.715	35.95	RMS	34.7	-20.8	.22	50.07	54	-3.93	-	-	285	163	H
6	5.715	36.79	RMS	34.7	-20.8	.22	50.91	54	-3.09	-	-	285	163	H
8	5.715	36.79	RMS	34.7	-20.8	.22	50.91	54	-3.09	-	-	285	163	H
3	5.725	52.26	Pk	34.7	-20.7	0	66.26	-	-	78.2	-11.94	285	163	H
7	5.725	39.88	RMS	34.7	-20.7	.22	54.1	-	-	-	-	285	163	H

Pk - Peak detector

RMS - RMS detection

LOW CHANNEL RESTRICTED, VERTICAL



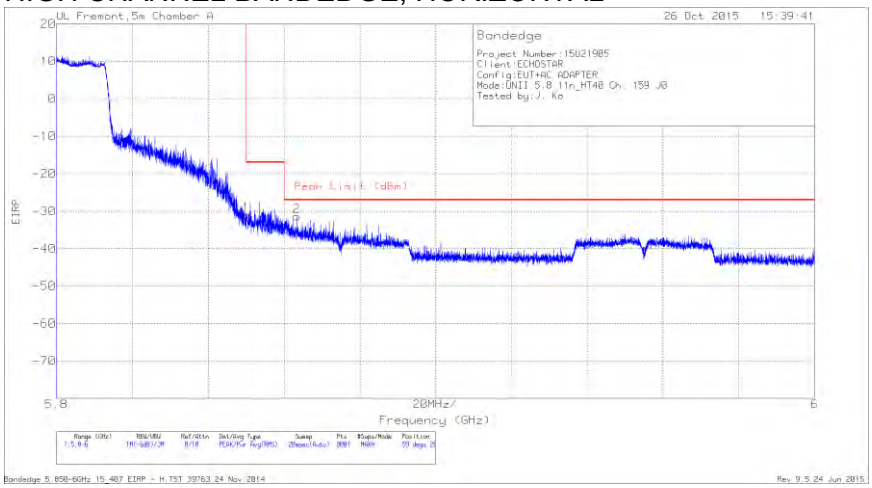
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/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	5.715	49.13	Pk	34.7	-20.8	0	63.03	-	-	74	-10.97	85	180	V
2	5.715	54.16	Pk	34.7	-20.8	0	68.06	-	-	74	-5.94	85	180	V
5	5.715	39	RMS	34.7	-20.8	.22	53.12	54	-.88	-	-	85	180	V
6	5.715	39.38	RMS	34.7	-20.8	.22	53.5	54	-.5	-	-	85	180	V
4	5.724	58.95	Pk	34.7	-20.7	0	72.95	-	-	78.2	-5.25	85	180	V
8	5.724	44.38	RMS	34.7	-20.7	.22	58.6	-	-	-	-	85	180	V
3	5.725	54.39	Pk	34.7	-20.7	0	68.39	-	-	78.2	-9.81	85	180	V
7	5.725	43.8	RMS	34.7	-20.7	.22	58.02	-	-	-	-	85	180	V

Pk - Peak detector

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HIGH CHANNEL BANDEDGE, HORIZONTAL



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-57.58	Pk	35.1	-20.3	11.8	-30.98	-17	-13.98	59	205	H
2	5.863	-57.96	Pk	35.1	-20.3	11.8	-31.36	-27	-4.36	59	205	H

Pk - Peak detector

HIGH CHANNEL BANDEDGE, VERTICAL

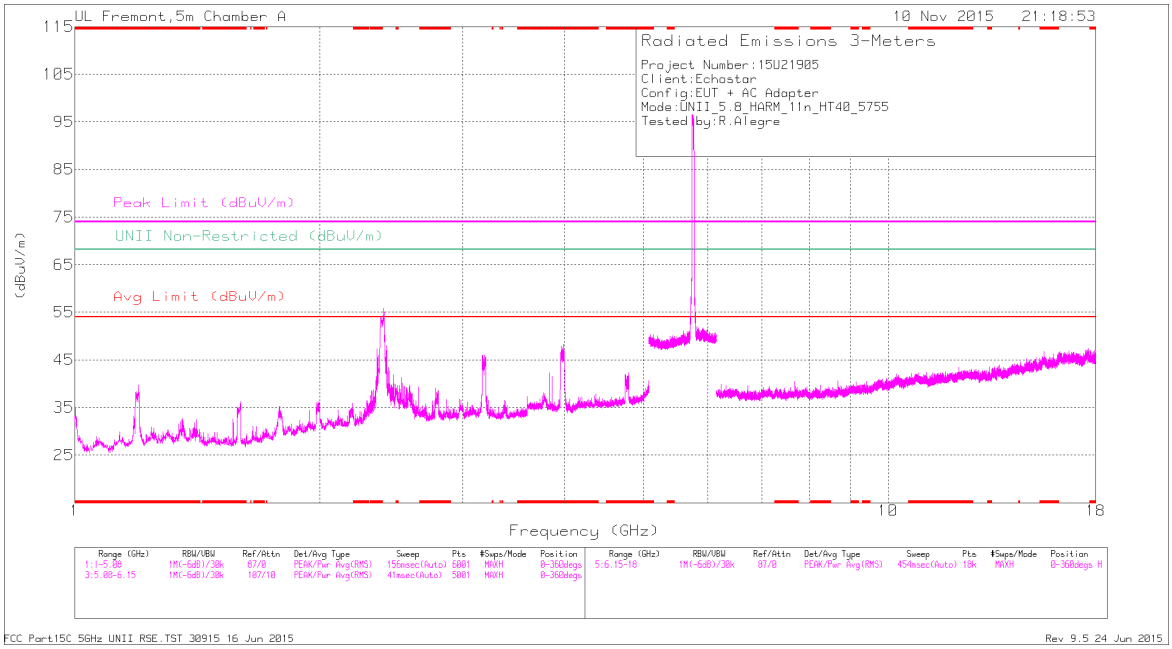
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-54.65	Pk	35.1	-20.3	11.8	-28.05	-17	-11.05	188	206	V
2	5.862	-54.3	Pk	35.1	-20.3	11.8	-27.7	-27	-.7	188	206	V

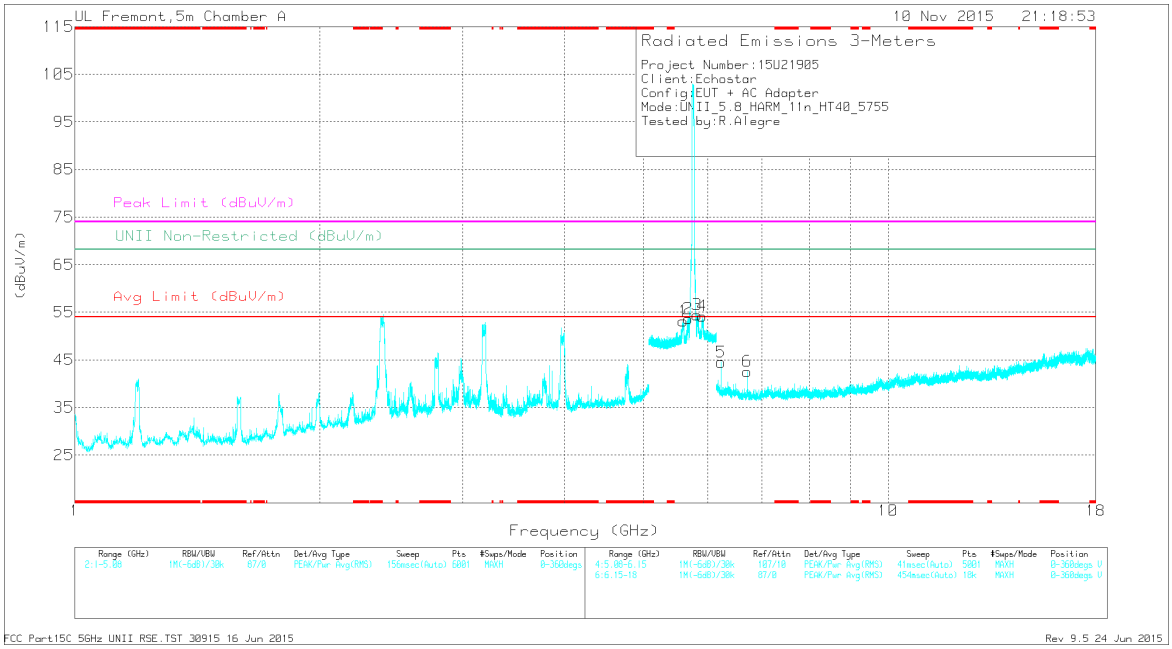
Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL PLOT



LOW CHANNEL VERTICAL PLOT



DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/ Fltr/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	5.598	48.39	PK-U	34.5	-20.2	0	62.69	-	-	-	-	68.2	-5.51	248	201	V
2	*5.677	39.09	Pk	34.6	-20	0	53.69	-	-	-	-	68.2	-14.51	0-360	200	V
3	**5.823	38.77	Pk	35	-19.3	0	54.47	-	-	-	-	68.2	-13.73	0-360	200	V
4	5.91	47.38	PK-U	35.2	-19.3	0	63.28	-	-	-	-	68.2	-4.92	242	206	V
5	6.235	42.13	PK-U	35.5	-27.9	0	49.73	-	-	-	-	68.2	-18.47	182	195	V
6	6.714	40.73	PK-U	35.6	-27.3	0	49.03	-	-	-	-	68.2	-19.17	230	175	V

*- indicates frequency covered by bandedge measurement

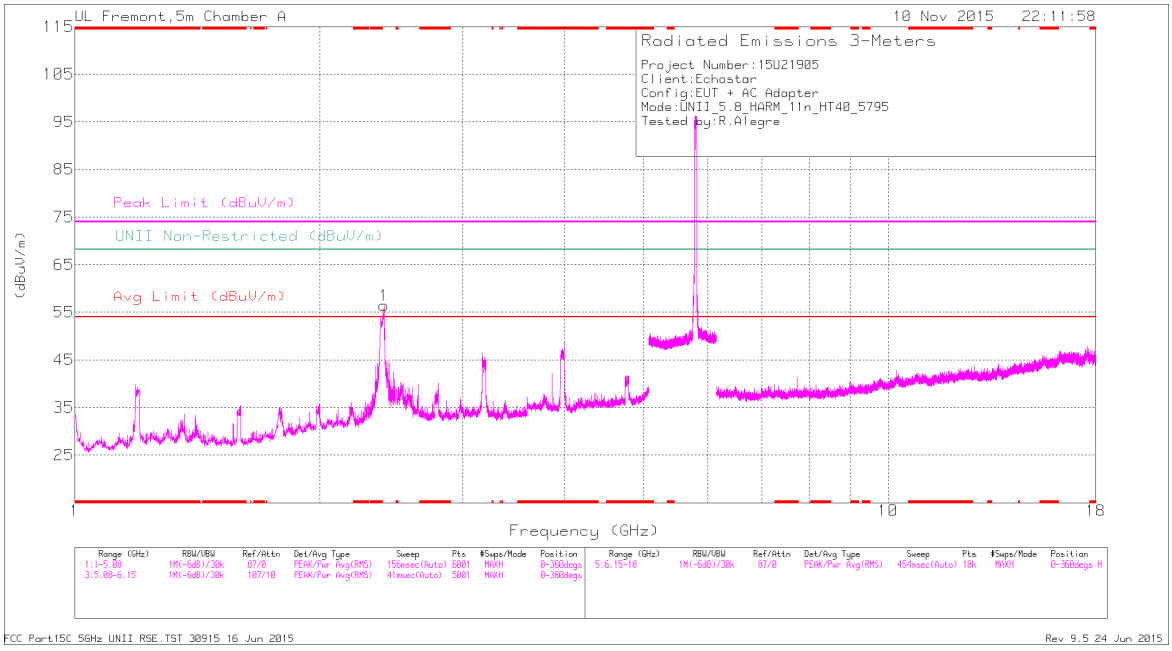
** - indicates frequency inside authorized band

Pk - Peak detector

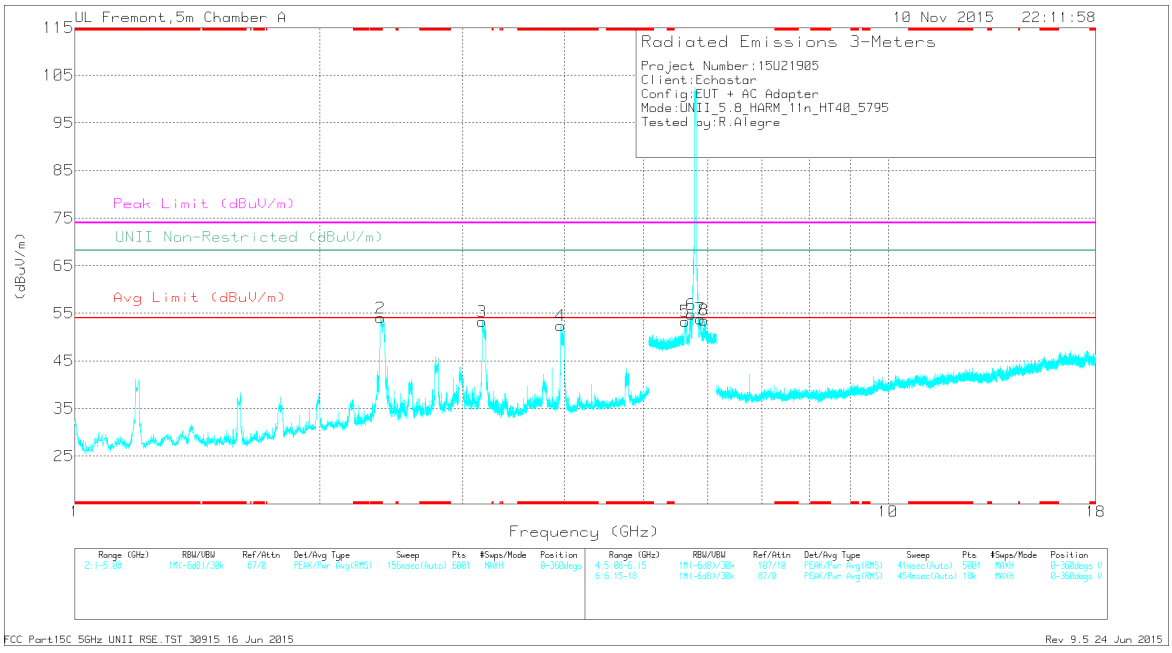
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HORIZONTAL PLOT



HIGH CHANNEL VERTICAL PLOT



DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.377	66.36	PK-U	31.9	-33.9	0	64.36	-	-	74	-9.64	-	-	166	177	V
	* 2.378	47.65	ADR	31.9	-33.9	.22	45.87	54	-8.13	-	-	-	-	166	177	V
4	* 3.961	58.91	PK-U	33.4	-31.8	0	60.51	-	-	74	-13.49	-	-	167	122	V
	* 3.962	39.25	ADR	33.4	-31.8	.22	41.07	54	-12.93	-	-	-	-	167	122	V
1	2.4	69.95	PK-U	32	-34.1	0	67.85	-	-	-	-	68.2	-.35	344	243	H
3	3.172	62.87	PK-U	32.8	-32.7	0	62.97	-	-	-	-	68.2	-5.23	322	207	V
5	5.63	47.79	PK-U	34.5	-20.1	0	62.19	-	-	-	-	68.2	-6.01	255	206	V
6	***5.732	39.7	Pk	34.8	-19.7	0	54.8	-	-	-	-	68.2	-13.4	0-360	200	V
7	**5.882	38.03	Pk	35.1	-19.3	0	53.83	-	-	-	-	68.2	-14.37	0-360	200	V
8	**5.943	37.58	Pk	35.3	-19.3	0	53.58	-	-	-	-	68.2	-14.62	0-360	200	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

** - indicates frequency covered by bandedge measurement

*** - indicates frequency inside authorized band

Pk - Peak detector

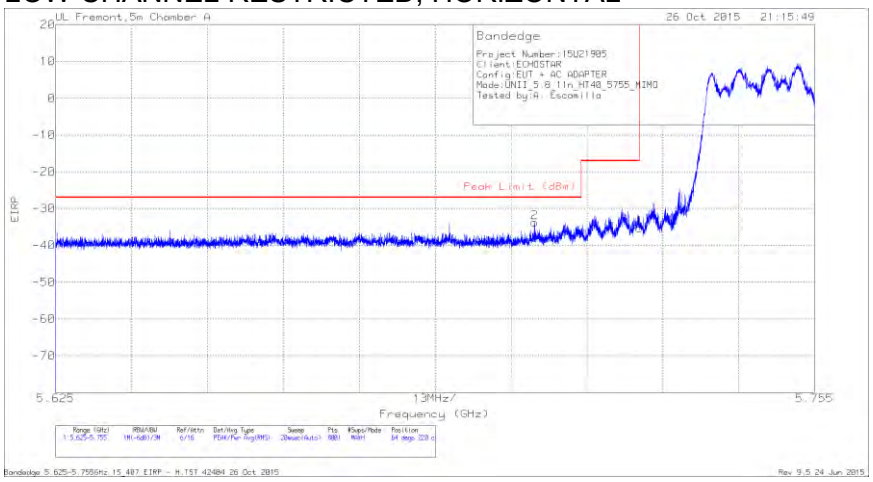
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

10.2.41. TX ABOVE 1 GHz 802.11n HT40 3TX CDD MODE IN THE 5.8 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

LOW CHANNEL RESTRICTED, HORIZONTAL



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.707	-59.44	Pk	34.7	-20.8	11.8	0	-33.74	-27	-6.74	64	220	H
1	5.725	-61.09	Pk	34.7	-20.7	11.8	0	-35.29	-17	-18.29	64	220	H

Pk - Peak detector

LOW CHANNEL RESTRICTED, VERTICAL

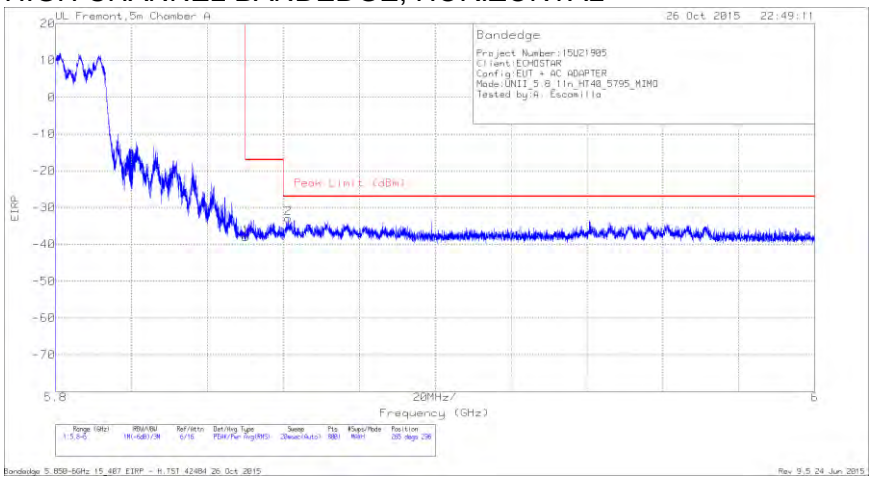
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.713	-53.24	Pk	34.7	-20.8	11.8	0	-27.54	-27	-.54	180	192	V
1	5.725	-58.24	Pk	34.7	-20.7	11.8	0	-32.44	-17	-15.44	180	192	V

Pk - Peak detector

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HIGH CHANNEL BANDEDGE, HORIZONTAL



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-64.69	Pk	35.1	-20.3	11.8	0	-38.09	-17	-21.09	265	296	H
2	5.861	-59.5	Pk	35.1	-20.3	11.8	0	-32.9	-27	-5.9	265	296	H

Pk - Peak detector

HIGH CHANNEL BANDEDGE, VERTICAL

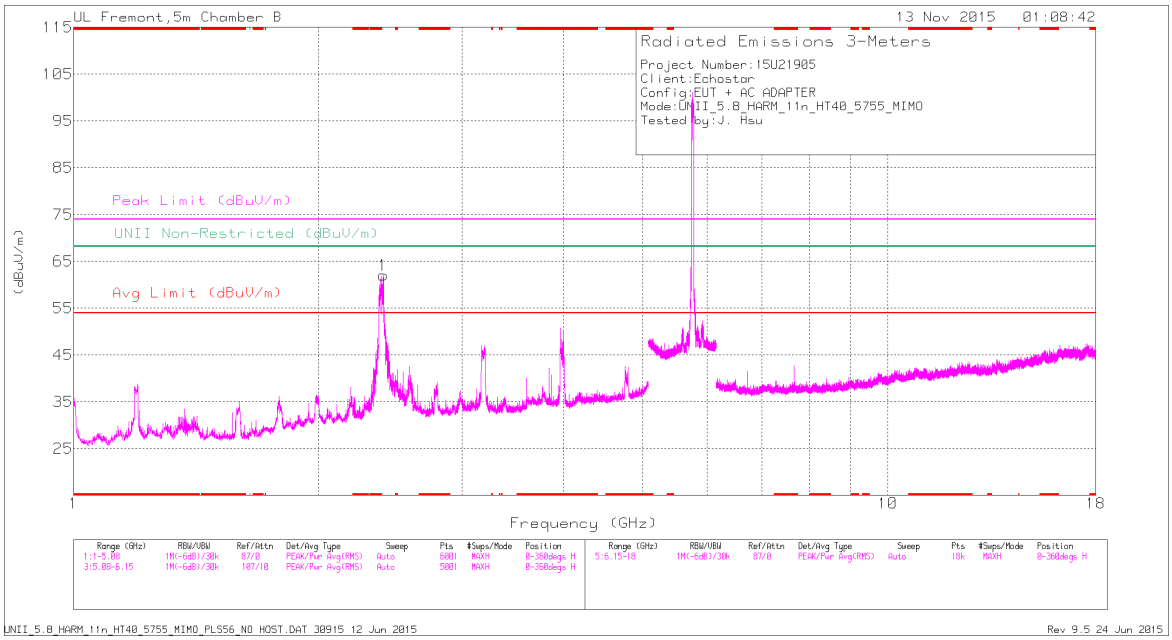
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-58.25	Pk	35.1	-20.3	11.8	0	-31.65	-17	-14.65	158	294	V
2	5.86	-54.27	Pk	35.1	-20.3	11.8	0	-27.67	-27	-.67	158	294	V

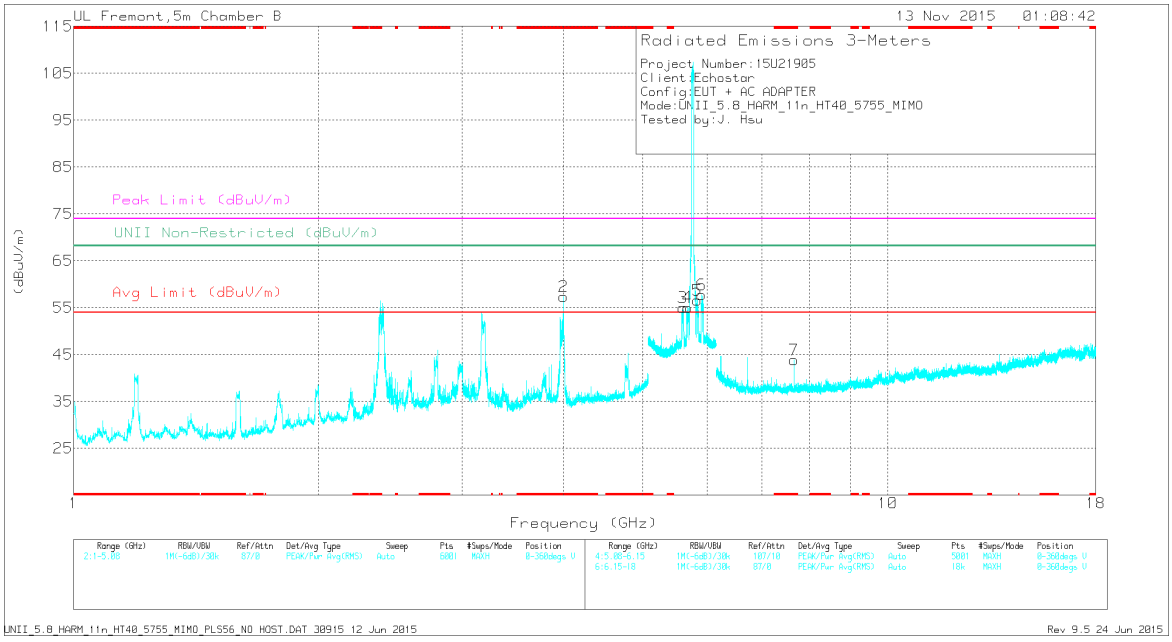
Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL PLOT



LOW CHANNEL VERTICAL PLOT



DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 3.963	58.16	PK-U	33.4	-31.8	0	59.76	-	-	74	-14.24	-	-	20	113	V
	* 3.97	40.32	ADR	33.4	-31.7	.22	42.24	54	-11.76	-	-	-	-	20	113	V
7	* 7.673	43.64	PK-U	35.6	-25.7	0	53.54	-	-	74	-20.46	-	-	164	266	V
	* 7.673	36.71	ADR	35.6	-25.7	.22	46.83	54	-7.17	-	-	-	-	164	266	V
1	2.399	70.17	PK-U	32	-34.1	0	68.07	-	-	-	-	68.2	-.13	201	122	H
3	5.598	49.92	PK-U	34.5	-21	0	63.42	-	-	-	-	68.2	-4.78	345	173	V
4	**5.676	41.51	Pk	34.6	-21	0	55.11	-	-	-	-	68.2	-13.09	0-360	200	V
5	***5.837	41.95	Pk	35	-20.3	0	56.65	-	-	-	-	68.2	-11.55	0-360	200	V
6	5.912	50.25	PK-U	35.2	-20.2	0	65.25	-	-	-	-	68.2	-2.95	102	178	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

** - indicates frequency covered by bandedge measurement

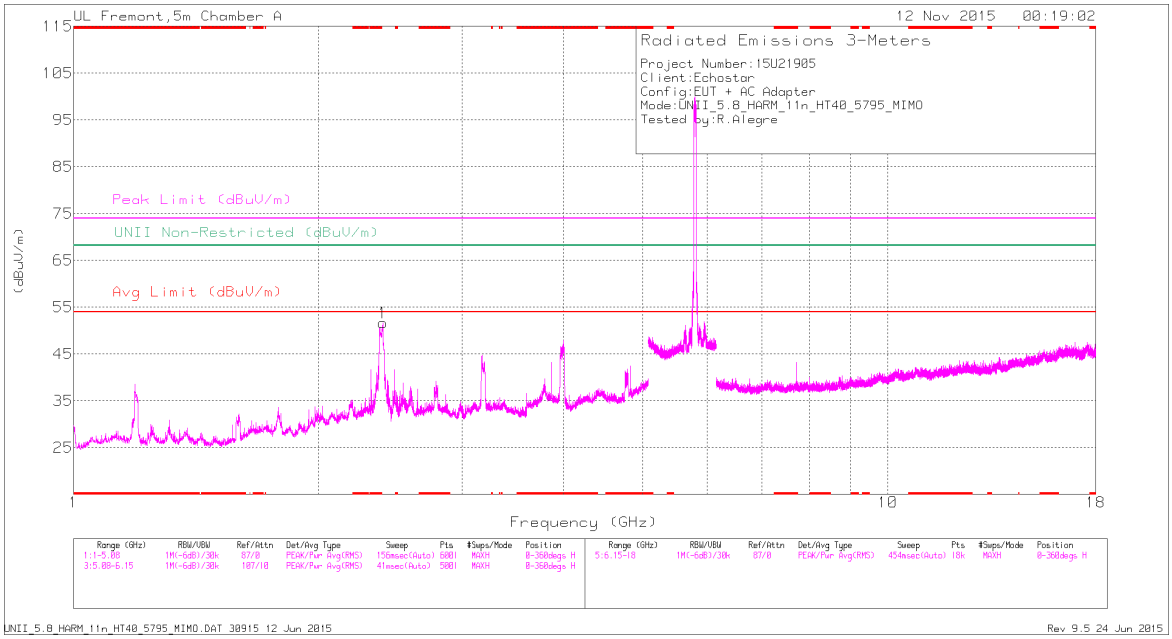
*** - indicates frequency inside the authorized band

Pk - Peak detector

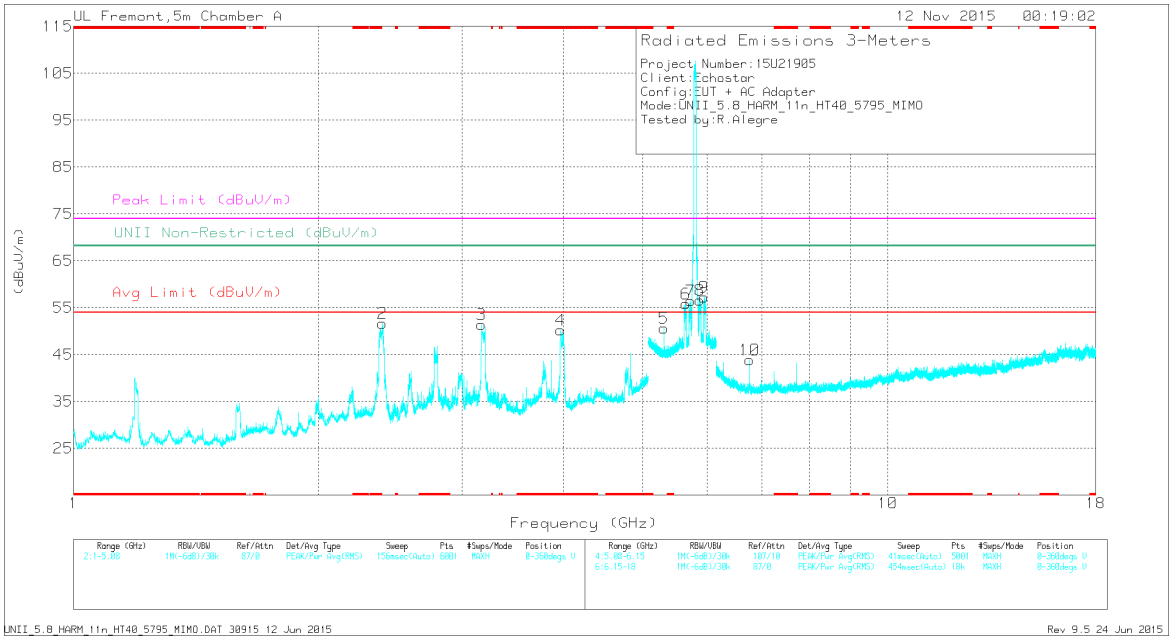
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HORIZONTAL PLOT



HIGH CHANNEL VERTICAL PLOT



DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/ Fltr/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
4	* 3.965	58.67	PK-U	33.4	-31.8	0	60.27	-	-	74	-13.73	-	-	332	157	V
	* 3.966	40.72	ADR	33.4	-31.8	.22	42.54	54	-11.46	-	-	-	-	332	157	V
2	2.397	62.73	PK-U	32	-34.1	0	60.63	-	-	-	-	68.2	-7.57	169	191	V
1	2.399	65.19	PK-U	32	-34.1	0	63.09	-	-	-	-	68.2	-5.11	331	311	H
3	3.17	61.27	PK-U	32.8	-32.6	0	61.47	-	-	-	-	68.2	-6.73	318	126	V
5	5.312	42.42	PK-U	34.5	-20.9	0	56.02	-	-	-	-	68.2	-12.18	159	186	V
6	5.644	49.73	PK-U	34.5	-20.9	0	63.33	-	-	-	-	68.2	-4.87	119	196	V
7	***5.728	42.47	Pk	34.7	-20.7	0	56.47	-	-	-	-	68.2	-11.73	0-360	200	V
8	**5.88	41.82	Pk	35.1	-20.3	0	56.62	-	-	-	-	68.2	-11.58	0-360	200	V
9	**5.95	42.17	Pk	35.3	-20.2	0	57.27	-	-	-	-	68.2	-10.93	0-360	200	V
10	6.761	42.31	PK-U	35.6	-27.4	0	50.51	-	-	-	-	68.2	-17.69	300	244	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

*** - indicates frequency inside the authorized band

** - indicates frequency covered by bandedge measurement

Pk - Peak detector

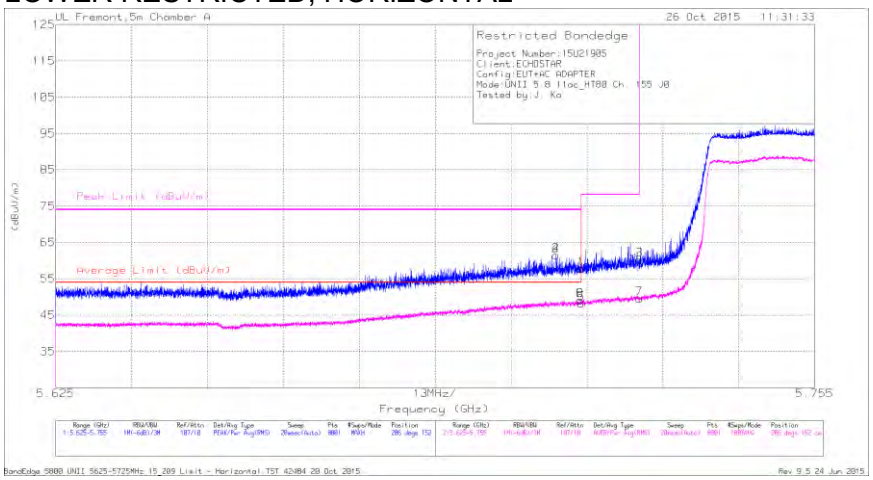
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

10.2.42. TX ABOVE 1 GHz 802.11ac HT80 SISO MODE IN THE 5.8 GHz BAND

RESTRICTED BANDEDGE (LOWER EDGE)

LOWER RESTRICTED, HORIZONTAL

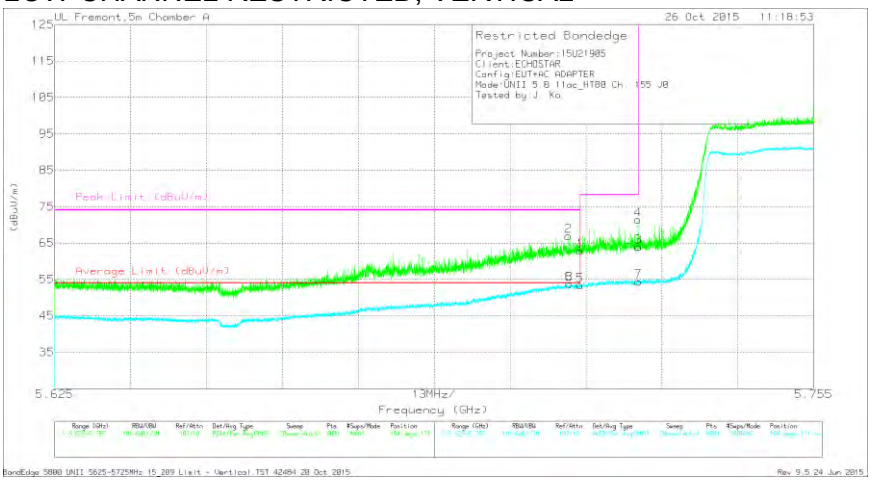


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.711	47.5	Pk	34.7	-20.7	0	61.5	-	-	74	-12.5	286	152	H
4	5.711	47.5	Pk	34.7	-20.7	0	61.5	-	-	74	-12.5	286	152	H
1	5.715	43.89	Pk	34.7	-20.8	0	57.79	-	-	74	-16.21	286	152	H
5	5.715	34.02	RMS	34.7	-20.8	.26	48.18	54	-5.82	-	-	286	152	H
6	5.715	34.86	RMS	34.7	-20.8	.26	49.02	54	-4.98	-	-	286	152	H
8	5.715	34.86	RMS	34.7	-20.8	.26	49.02	54	-4.98	-	-	286	152	H
3	5.725	46.17	Pk	34.7	-20.7	0	60.17	-	-	78.2	-18.03	286	152	H
7	5.725	35.29	RMS	34.7	-20.7	.26	49.55	-	-	-	-	286	152	H

Pk - Peak detector

LOW CHANNEL RESTRICTED, VERTICAL



Trace Markers

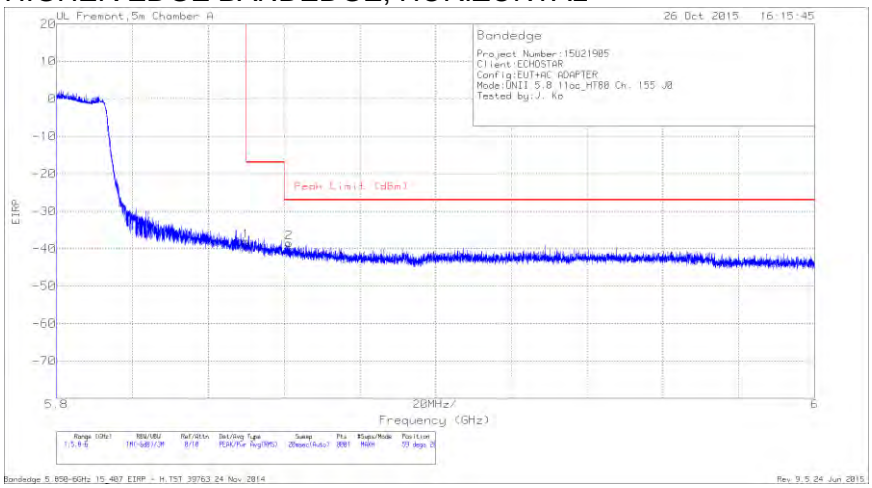
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.713	53.07	Pk	34.7	-20.8	0	66.97	-	-	74	-7.03	104	171	V
6	5.713	39.63	RMS	34.7	-20.8	.26	53.79	54	-.21	-	-	104	171	V
8	5.713	39.63	RMS	34.7	-20.8	.26	53.79	54	-.21	-	-	104	171	V
1	5.715	48.97	Pk	34.7	-20.8	0	62.87	-	-	74	-11.13	104	171	V
5	5.715	39.18	RMS	34.7	-20.8	.26	53.34	54	-.66	-	-	104	171	V
3	5.725	49.96	Pk	34.7	-20.7	0	63.96	-	-	78.2	-14.24	104	171	V
4	5.725	57.35	Pk	34.7	-20.7	0	71.35	-	-	78.2	-6.85	104	171	V
7	5.725	40.19	RMS	34.7	-20.7	.26	54.45	-	-	-	-	104	171	V

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGHER EDGE)

HIGHER EDGE BANDEDGE, HORIZONTAL

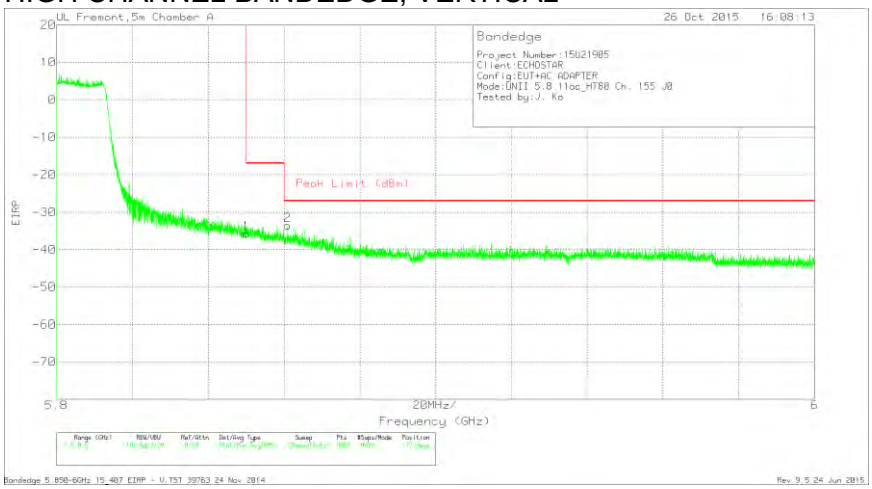


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-64.67	Pk	35.1	-20.3	11.8	-38.07	-17	-21.07	59	207	H
2	5.861	-65.06	Pk	35.1	-20.3	11.8	-38.46	-27	-11.46	59	207	H

Pk - Peak detector

HIGH CHANNEL BANDEDGE, VERTICAL



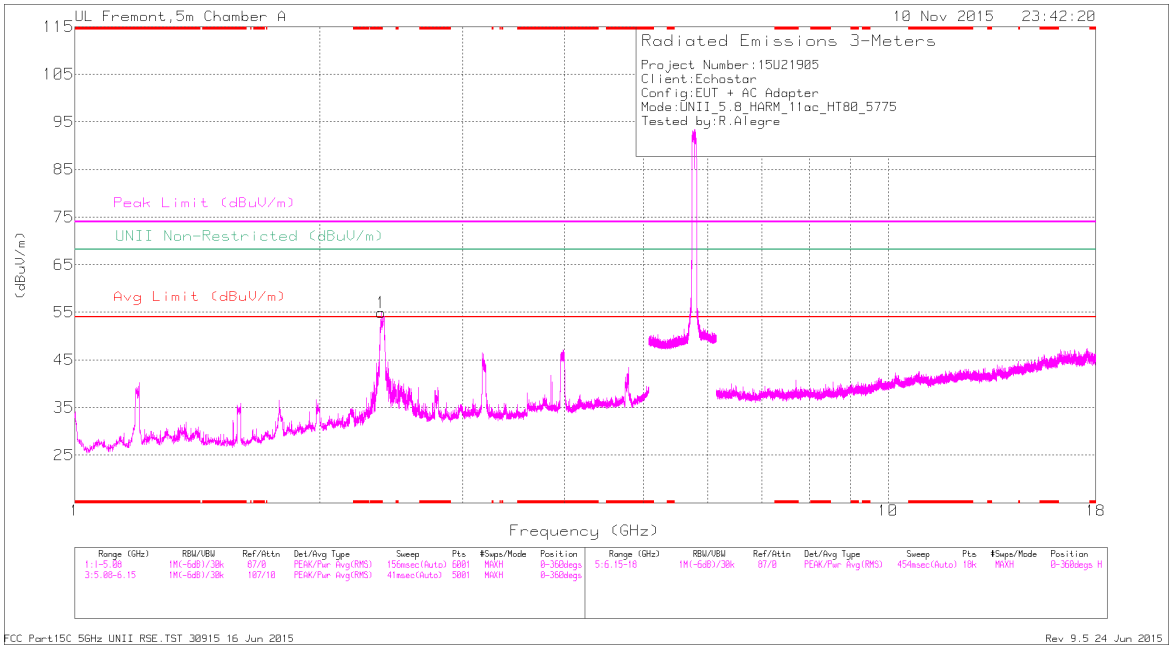
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-62.29	Pk	35.1	-20.3	11.8	-35.69	-17	-18.69	177	201	V
2	5.861	-60.11	Pk	35.1	-20.3	11.8	-33.51	-27	-6.51	177	201	V

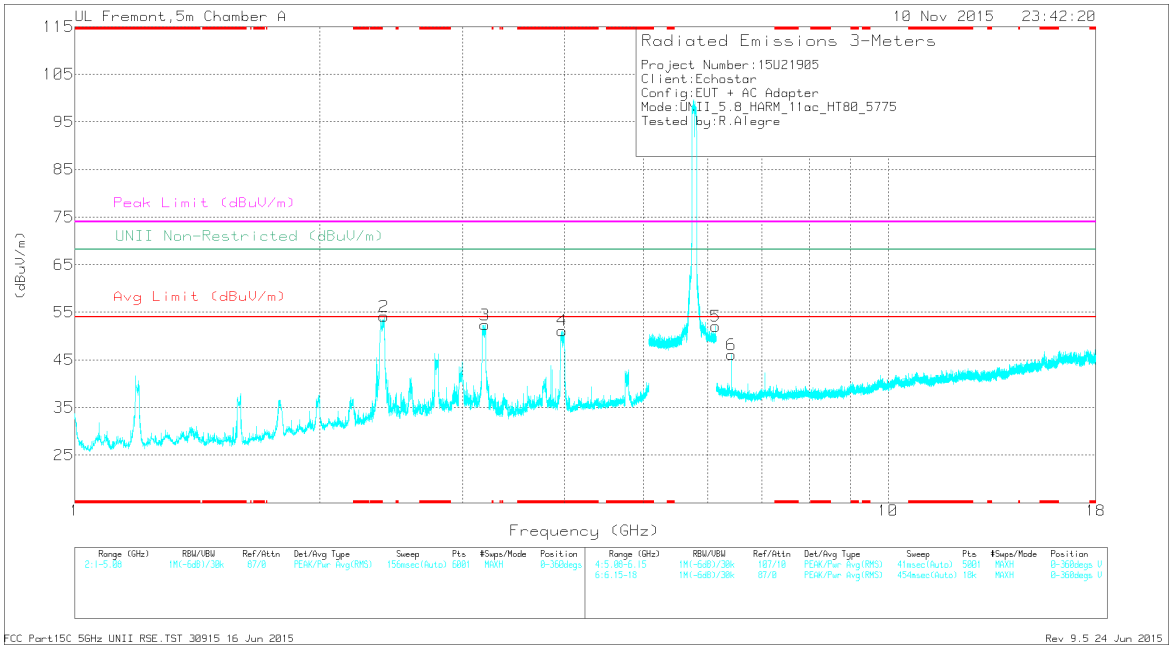
Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL HORIZONTAL PLOT



MID CHANNEL VERTICAL PLOT



DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/ Fltr/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	* 2.381	65.96	PK-U	31.9	-33.9	0	63.96	-	-	74	-10.04	-	-	19	245	H
	* 2.384	48.27	ADR	31.9	-33.9	.26	46.53	54	-7.47	-	-	-	-	19	245	H
4	* 3.979	55.49	PK-U	33.4	-31.7	0	57.19	-	-	74	-16.81	-	-	149	138	V
	* 3.976	37.7	ADR	33.4	-31.7	.26	39.66	54	-14.34	-	-	-	-	149	138	V
2	2.4	65.09	PK-U	32	-34.1	0	62.99	-	-	-	-	68.2	-5.21	167	146	V
3	3.195	62.32	PK-U	32.7	-33.1	0	61.92	-	-	-	-	68.2	-6.28	318	181	V
5	6.137	42.25	PK-U	35.4	-19.1	0	58.55	-	-	-	-	68.2	-9.65	154	204	V
6	6.417	43.33	PK-U	35.5	-27.7	0	51.13	-	-	-	-	68.2	-17.07	244	191	V

***** - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

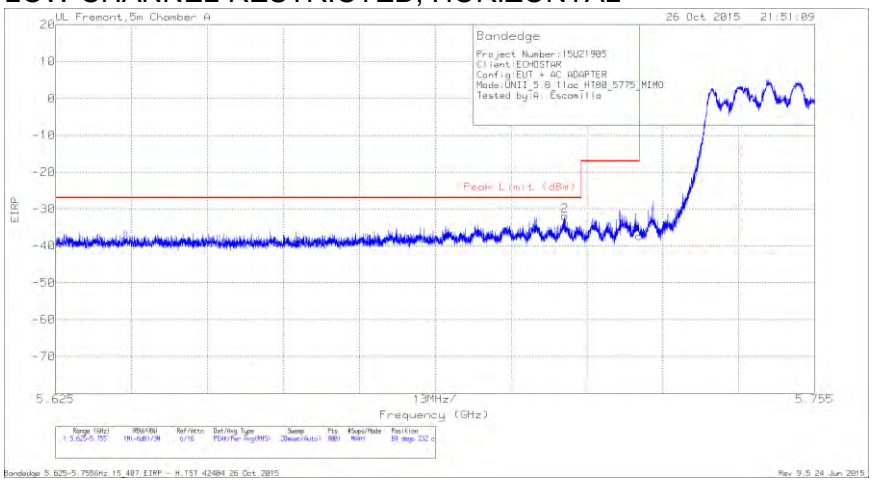
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

10.2.43. TX ABOVE 1 GHz 802.11ac HT80 3TX CDD MODE IN THE 5.8 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

LOW CHANNEL RESTRICTED, HORIZONTAL

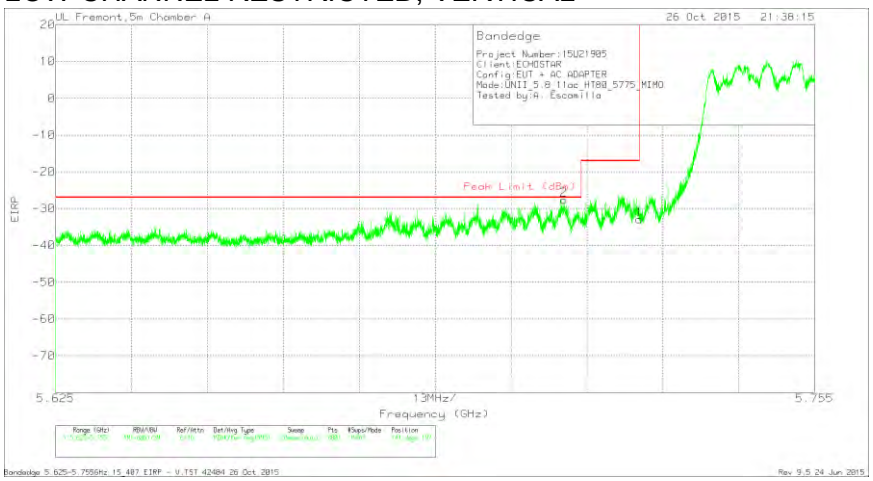


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.712	-57.65	Pk	34.7	-20.7	11.8	0	-31.85	-27	-4.85	69	232	H
1	5.725	-63.06	Pk	34.7	-20.7	11.8	0	-37.26	-17	-20.26	69	232	H

Pk - Peak detector

LOW CHANNEL RESTRICTED, VERTICAL



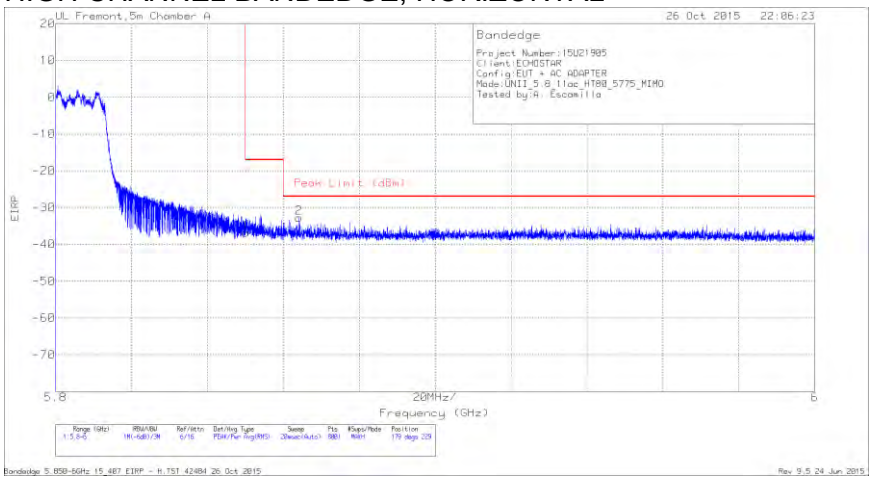
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.712	-53.4	Pk	34.7	-20.7	11.8	0	-27.6	-27	-.6	141	197	V
1	5.725	-58.68	Pk	34.7	-20.7	11.8	0	-32.88	-17	-15.88	141	197	V

Pk - Peak detector

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HIGH CHANNEL BANDEDGE, HORIZONTAL

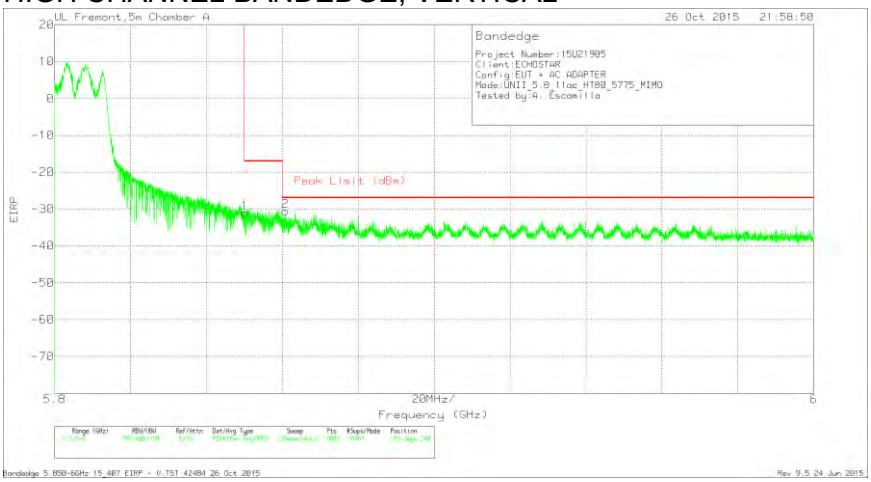


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-63.41	Pk	35.1	-20.3	11.8	0	-36.81	-17	-19.81	179	229	H
2	5.864	-59.39	Pk	35.1	-20.3	11.8	0	-32.79	-27	-5.79	179	229	H

Pk - Peak detector

HIGH CHANNEL BANDEDGE, VERTICAL



Trace Markers

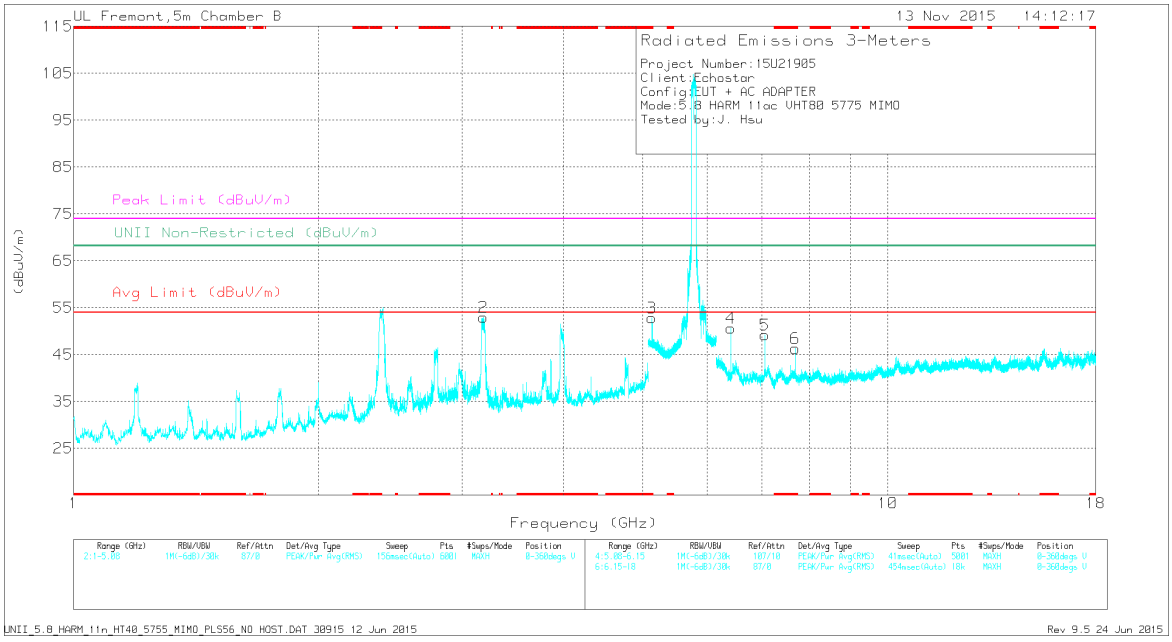
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-57.62	Pk	35.1	-20.3	11.8	0	-31.02	-17	-14.02	183	240	V
2	5.861	-57.16	Pk	35.1	-20.3	11.8	0	-30.56	-27	-3.56	183	240	V

Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL HORIZONTAL PLOT

MID CHANNEL VERTICAL PLOT



DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/ Fltr/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	* 2.377	68.86	PK-U	31.9	-33.9	0	66.86	-	-	74	-7.14	-	-	204	216	H
	* 2.388	49.92	ADR	32	-34	.26	48.18	54	-5.82	-	-	-	-	204	216	H
	2.39	68.49	PK-U	32	-34	0	66.49	-	-	-	-	68.2	-1.71	204	216	H
3	* 5.133	45.1	PK-U	34.2	-20.7	0	58.6	-	-	74	-15.4	-	-	332	182	V
	* 5.133	37.87	ADR	34.2	-20.7	.26	51.63	54	-2.37	-	-	-	-	332	182	V
6	* 7.7	43.07	PK-U	35.7	-25.8	0	52.97	-	-	74	-21.03	-	-	164	176	V
	* 7.7	35.94	ADR	35.7	-25.8	.26	46.1	54	-7.9	-	-	-	-	164	176	V
2	3.175	63.36	PK-U	32.8	-32.7	0	63.46	-	-	-	-	68.2	-4.74	184	113	V
4	6.417	47.57	PK-U	35.5	-27.7	0	55.37	-	-	-	-	68.2	-12.83	31	183	V
5	7.058	44.9	PK-U	35.6	-26	0	54.5	-	-	-	-	68.2	-13.7	101	172	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

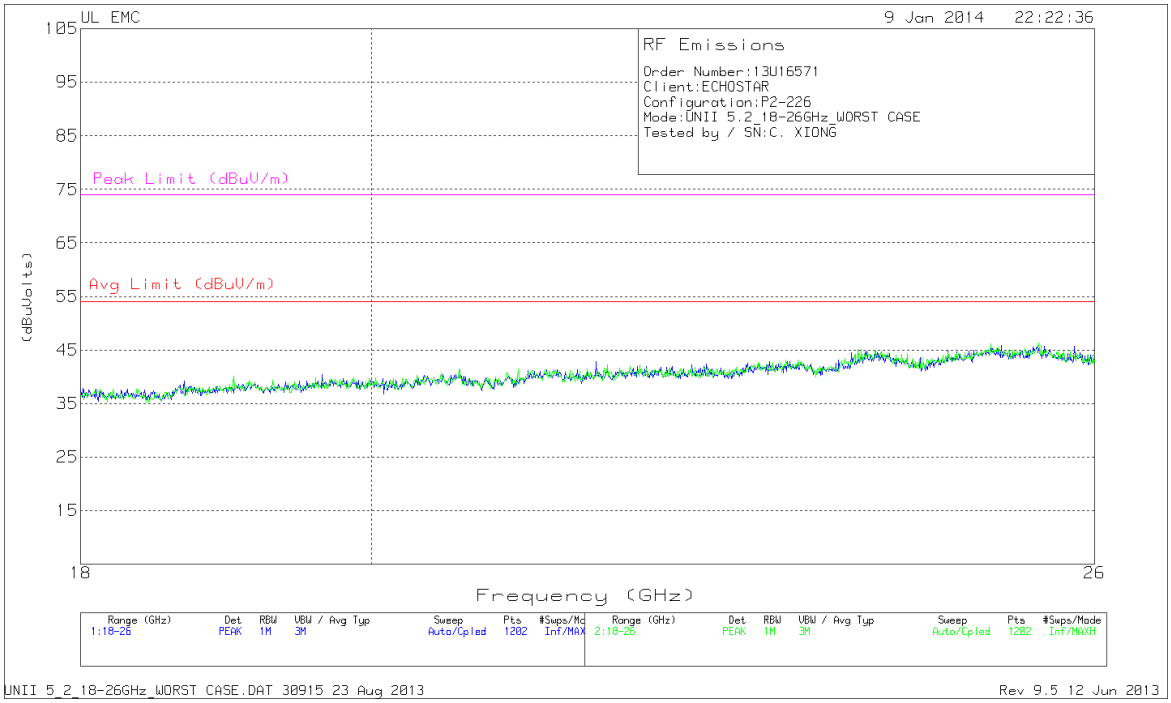
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

10.3. WORST-CASE ABOVE 18 GHz

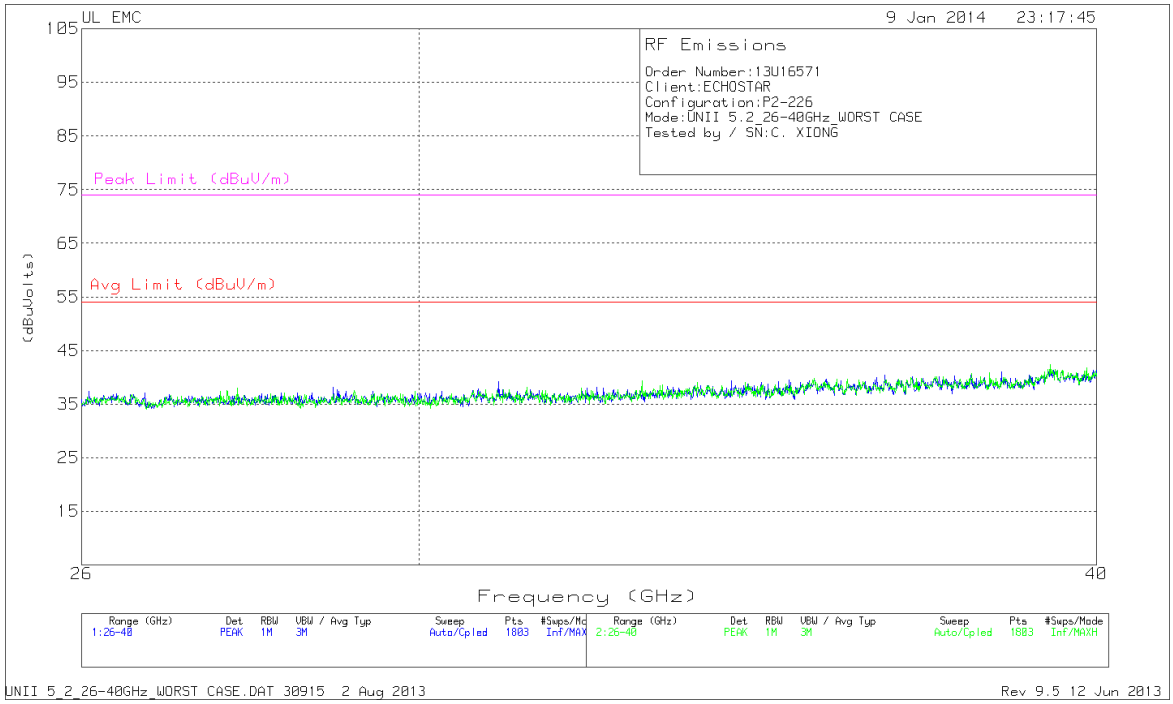
SPURIOUS EMISSIONS 18 TO 26 GHz (5.2GHz WORST-CASE CONFIGURATION)

5.2 GHz BAND HORIZONTAL AND VERTICAL



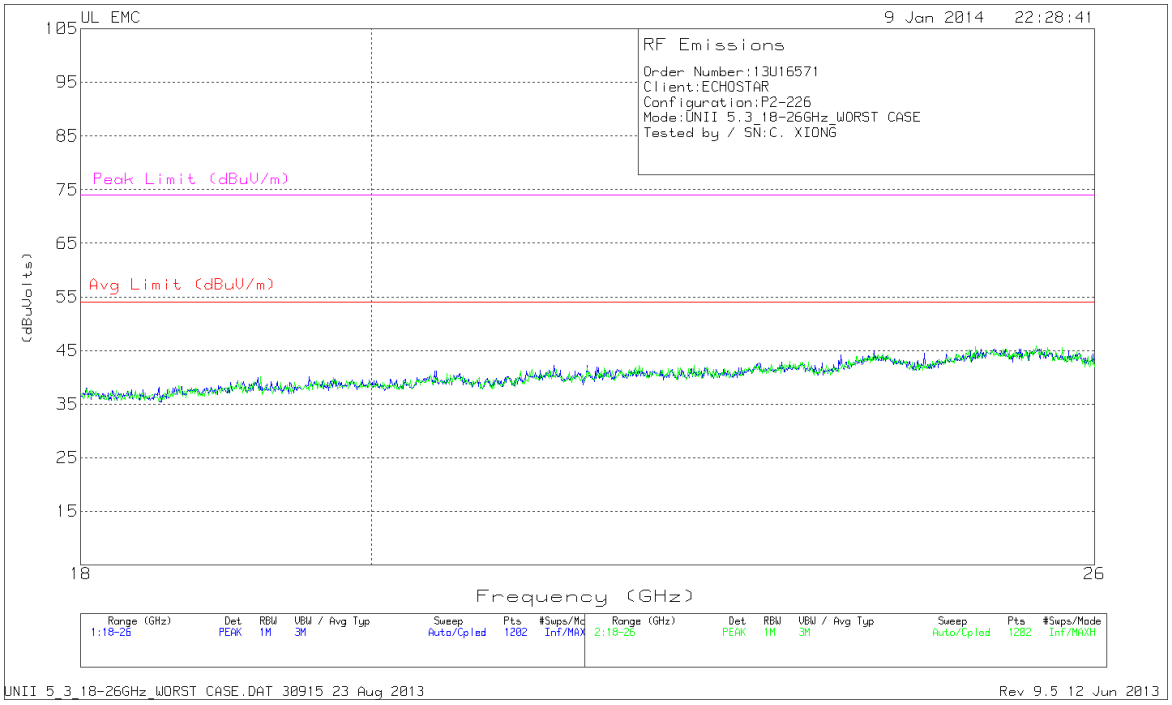
SPURIOUS EMISSIONS 26 TO 40 GHz (5.2GHz WORST-CASE CONFIGURATION)

5.2 GHz BAND HORIZONTAL AND VERTICAL



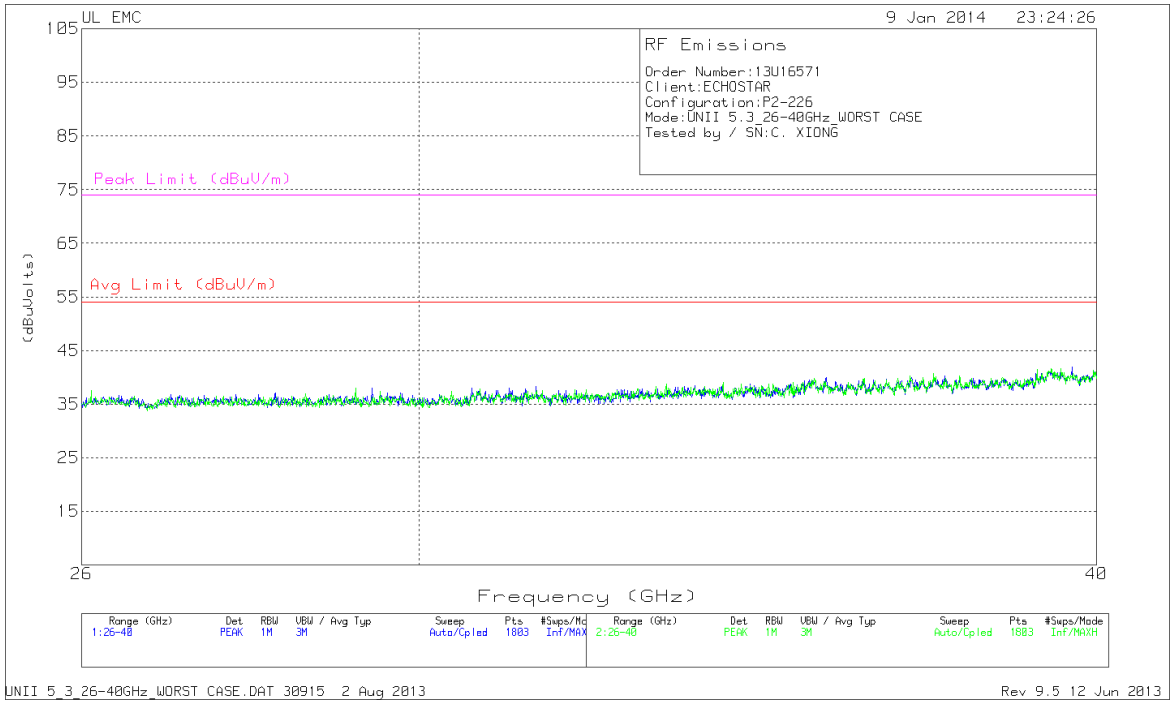
SPURIOUS EMISSIONS 18 TO 26 GHz (5.3GHz WORST-CASE CONFIGURATION)

5.3 GHz BAND HORIZONTAL AND VERTICAL



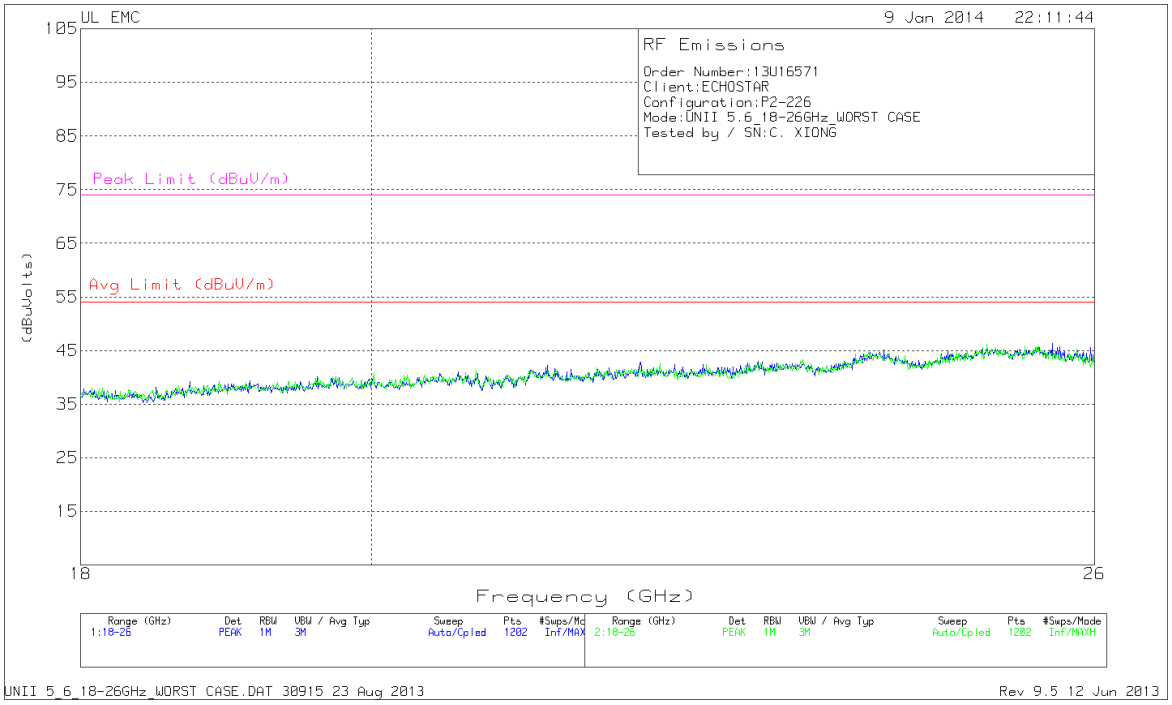
SPURIOUS EMISSIONS 26 TO 40 GHz (5.3GHz WORST-CASE CONFIGURATION)

5.3 GHz BAND HORIZONTAL AND VERTICAL



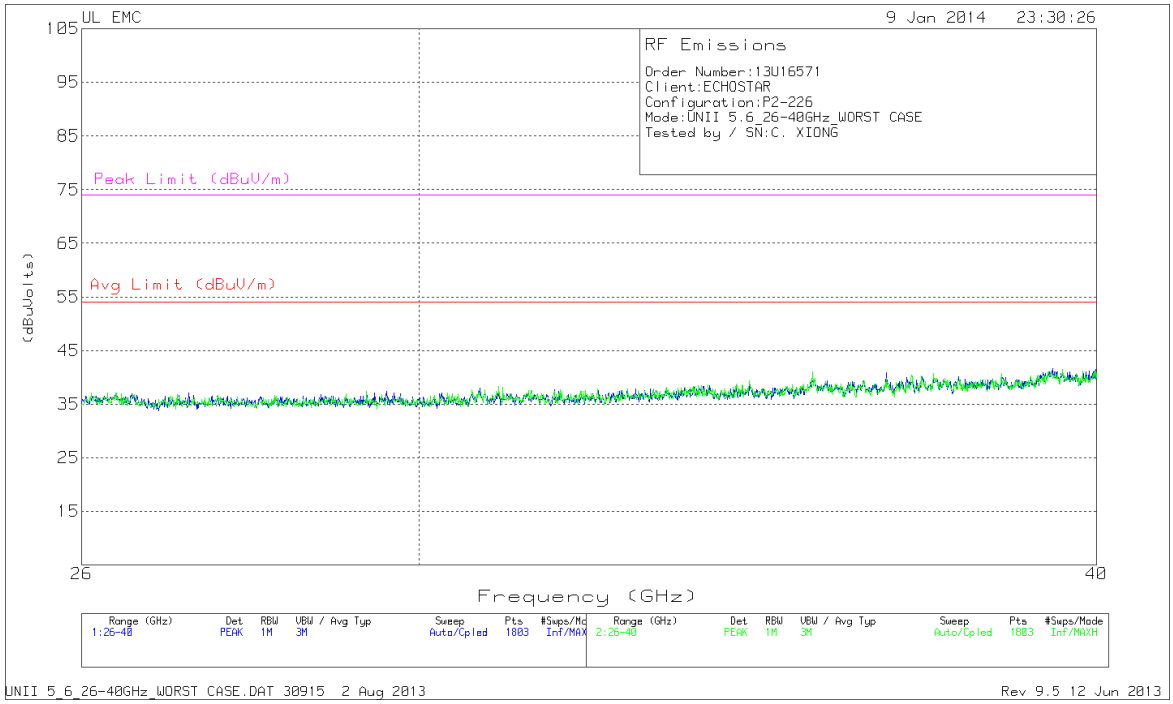
SPURIOUS EMISSIONS 18 TO 26 GHz (5.6GHz WORST-CASE CONFIGURATION)

5.6 GHz BAND HORIZONTAL AND VERTICAL



SPURIOUS EMISSIONS 26 TO 40 GHz (5.6GHz WORST-CASE CONFIGURATION)

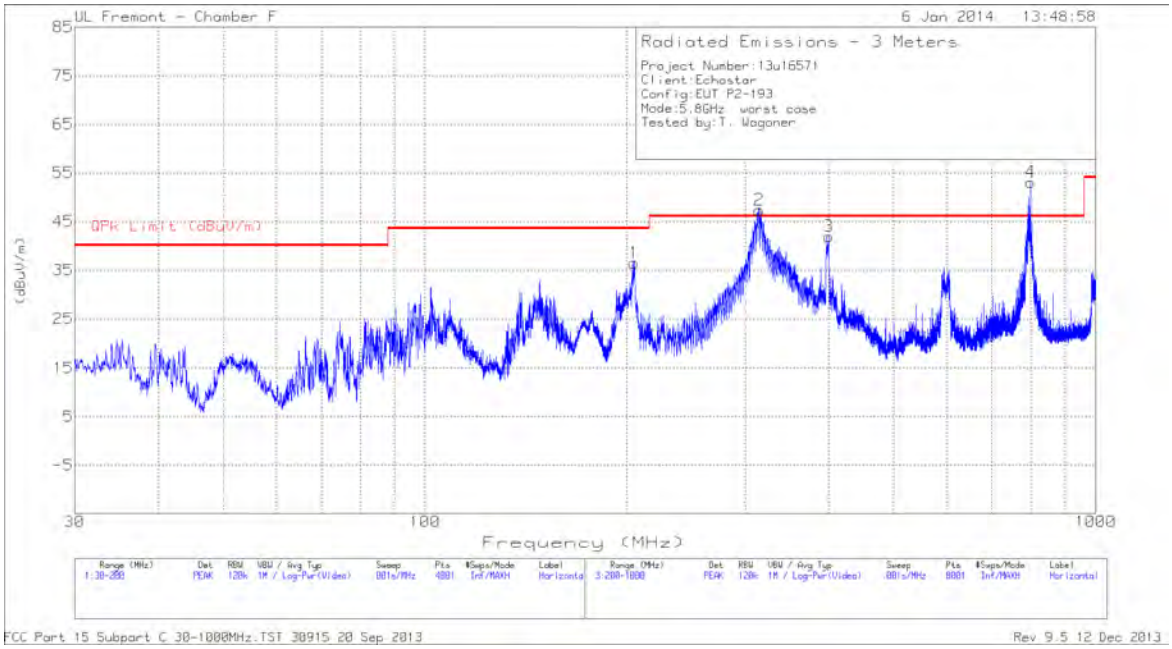
5.6 GHz BAND HORIZONTAL AND VERTICAL



10.4. WORST-CASE BELOW 1 GHz

SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION, 5.8GHz BAND)

HORIZONTAL PLOT



VERTICAL PLOT

DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T122 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	204.8	56.49	PK	11	-31	36.49	43.52	-7.03	0-360	100	H
2	314.7	51.88	QP	13.8	-30.7	34.98	46.02	-11.04	159	116	H
3	399.9	54.76	QP	15.5	-30.5	39.76	46.02	-6.26	203	102	H
4	799.9	52.24	QP	21.2	-29.6	43.84	46.02	-2.18	166	104	H
5	34.6325	47.94	PK	18	-32.1	33.84	40	-6.16	0-360	100	V
6	314.4	59.09	QP	13.7	-30.7	42.09	46.02	-3.93	159	116	V
7	799.767	43.79	QP	21.2	-29.6	35.39	46.02	-10.63	159	116	V

PK - Peak detector

QP - Quasi-Peak detector

11. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

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

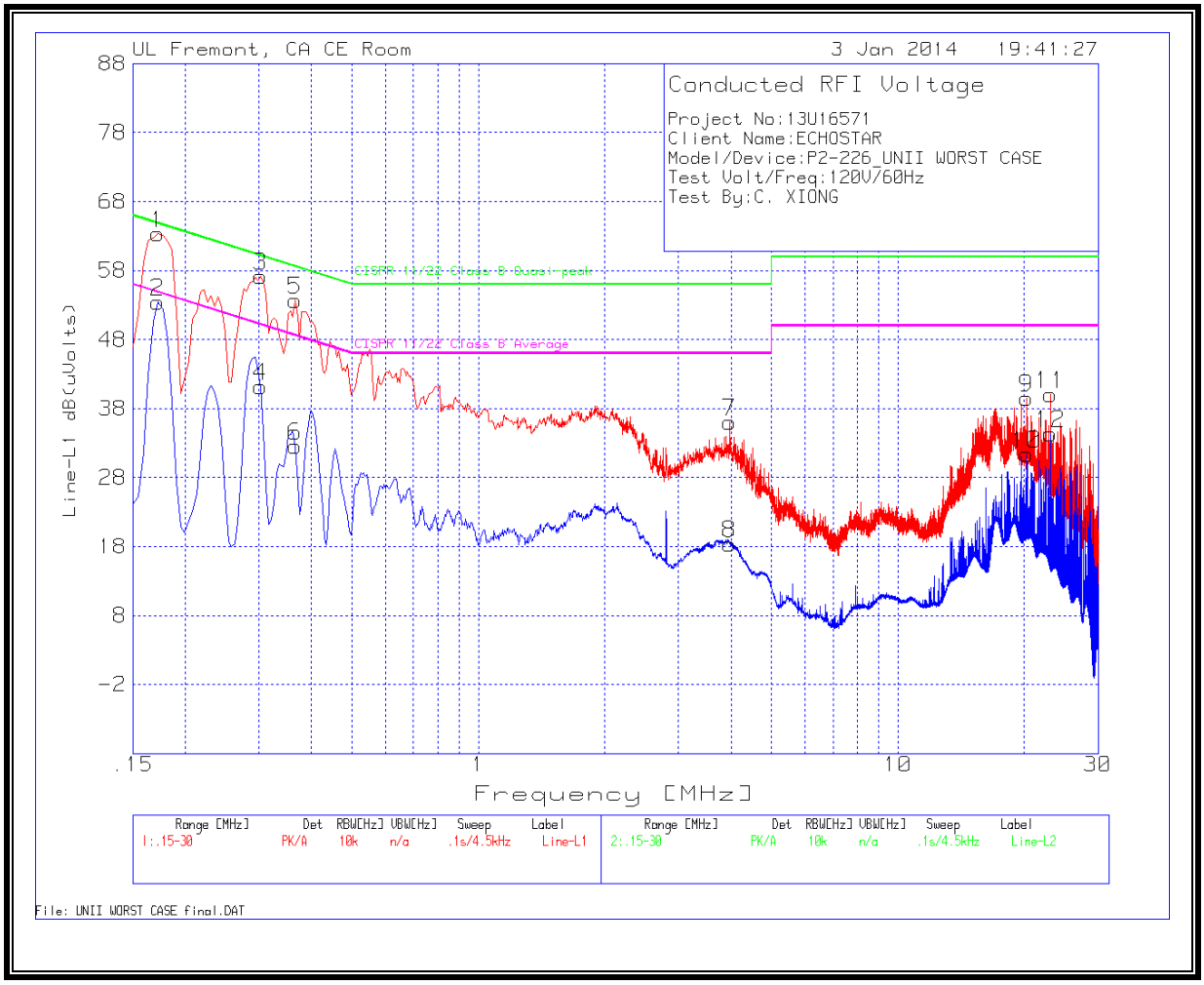
TEST PROCEDURE

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 C63.4.

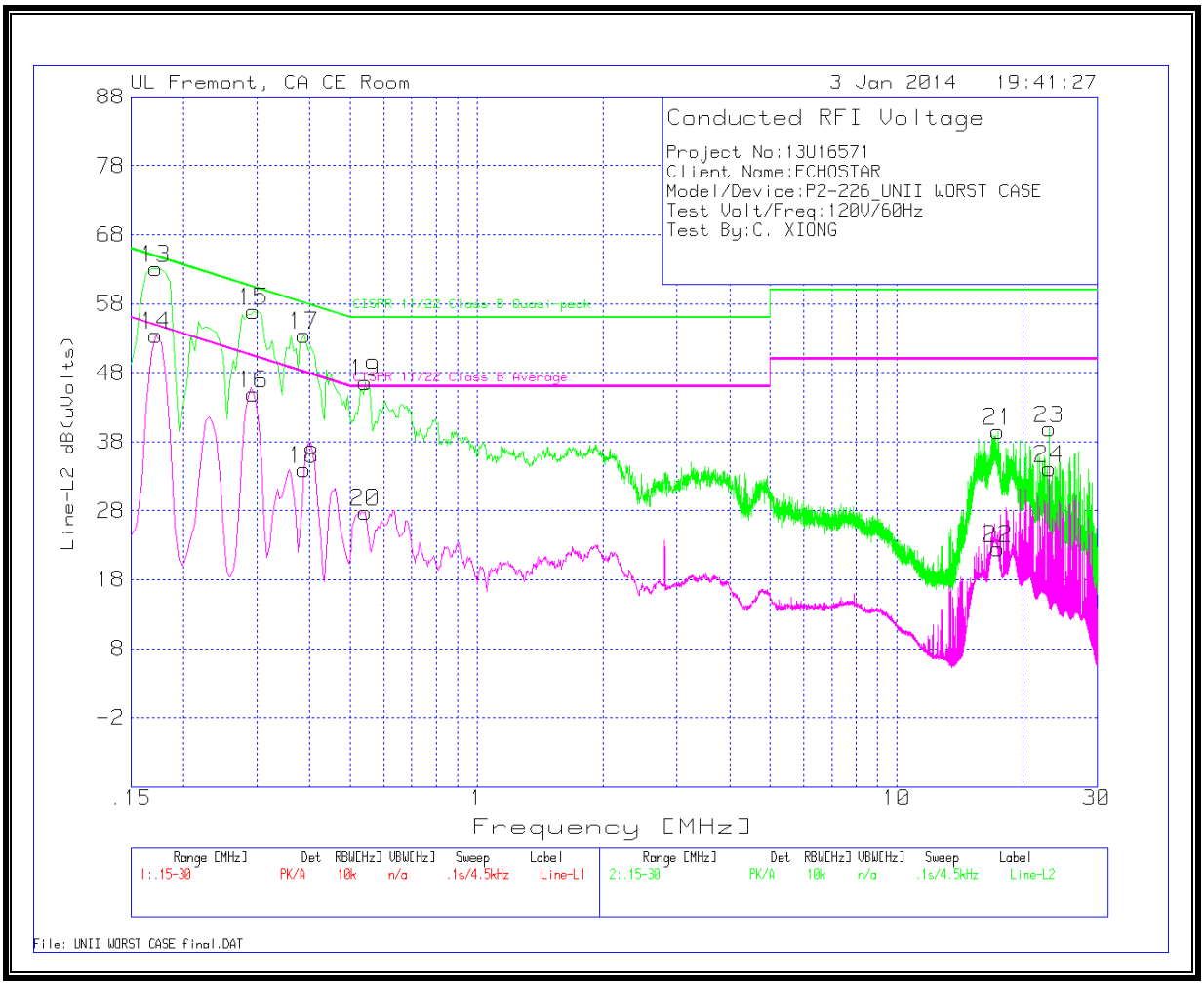
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

LINE 1 RESULTS



LINE 2 RESULTS



DATA SUMMARY

Line-L1 .15 - 30MHz

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1 (dB)	LC Cables 1&3 (dB)	Corrected Reading dB(uVolts)	CISPR 11/22 Class B Quasi-peak	Margin to Limit (dB)	CISPR 11/22 Class B Average	Margin to Limit (dB)
1	.1725	63.21	PK	.1	0	63.31	64.8	-1.49	-	-
2	.1725	53.31	Av	.1	0	53.41	-	-	54.8	-1.39
3	.303	57.09	PK	.1	0	57.19	60.2	-3.01	-	-
4	.303	41.09	Av	.1	0	41.19	-	-	50.2	-9.01
5	.366	53.6	PK	.1	0	53.7	58.6	-4.9	-	-
6	.366	32.42	Av	.1	0	32.52	-	-	48.6	-16.08
7	3.975	35.83	PK	.1	.1	36.03	56	-19.97	-	-
8	3.975	18.21	Av	.1	.1	18.41	-	-	46	-27.59
9	20.256	39.02	PK	.3	.2	39.52	60	-20.48	-	-
10	20.256	30.94	Av	.3	.2	31.44	-	-	50	-18.56
11	23.127	39.4	PK	.4	.2	40	60	-20	-	-
12	23.127	33.76	Av	.4	.2	34.36	-	-	50	-15.64

PK - Peak detector
Av - average detection

Line-L2 .15 - 30MHz

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2 (dB)	LC Cables 2&3 (dB)	Corrected Reading dB(uVolts)	CISPR 11/22 Class B Quasi-peak	Margin to Limit (dB)	CISPR 11/22 Class B Average	Margin to Limit (dB)
13	.1725	63.06	PK	.1	0	63.16	64.8	-1.64	-	-
14	.1725	53.39	Av	.1	0	53.49	-	-	54.8	-1.31
15	.294	56.79	PK	.1	0	56.89	60.4	-3.51	-	-
16	.294	44.84	Av	.1	0	44.94	-	-	50.4	-5.46
17	.3885	53.39	PK	.1	0	53.49	58.1	-4.61	-	-
18	.3885	33.85	Av	.1	0	33.95	-	-	48.1	-14.15
19	.5415	46.51	PK	.1	0	46.61	56	-9.39	-	-
20	.5415	27.7	Av	.1	0	27.8	-	-	46	-18.2
21	17.4075	39.09	PK	.2	.2	39.49	60	-20.51	-	-
22	17.4075	22.07	Av	.2	.2	22.47	-	-	50	-27.53
23	23.127	39.25	PK	.4	.2	39.85	60	-20.15	-	-
24	23.127	33.48	Av	.4	.2	34.08	-	-	50	-15.92

PK - Peak detector
Av - average detection

12. DFS

12.1. TEST METHODOLOGY

The tests documented in this report were performed in accordance with the DFS portion of FCC CFR 47 Part 2, FCC CFR 47 Part 15, FCC 06-96, FCC KDB 789033, ANSI C63.10-2009, RSS-GEN Issue 8.

12.2. FACILITIES AND ACCREDITATION

The test sites and measurement facilities used to collect data are located at 47173 Benicia Street, Fremont, California, USA.

UL Verification Services Inc. is accredited by NVLAP, Laboratory Code 200065-0. The full scope of accreditation can be viewed at http://www.ccsemc.com.

12.3. CALIBRATION AND UNCERTAINTY

12.3.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations, and is traceable to recognized national standards.

12.3.2. SAMPLE CALCULATION

Where relevant, the following sample calculation is provided:

Field Strength (dBuV/m) = Measured Voltage (dBuV) + Antenna Factor (dB/m) + Cable Loss (dB) – Preamp Gain (dB)

36.5 dBuV + 18.7 dB/m + 0.6 dB – 26.9 dB = 28.9 dBuV/m

12.3.3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

PARAMETER	UNCERTAINTY
Conducted Disturbance, 0.15 to 30 MHz	3.52 dB
Radiated Disturbance, 30 to 1000 MHz	4.94 dB

Uncertainty figures are valid to a confidence level of 95%.

12.4. DYNAMIC FREQUENCY SELECTION

12.4.1. OVERVIEW

12.4.1.1. LIMITS

INDUSTRY CANADA

IC RSS-210 is closely harmonized with FCC Part 15 DFS rules. The deviations are as follows:

RSS-210 Issue 7 A9.4 (b) (ii) **Channel Availability Check Time:** …

Additional requirements for the band 5600-5650 MHz: Until further notice, devices subject to this Section shall not be capable of transmitting in the band 5600-5650 MHz, so that Environment Canada weather radars operating in this band are protected.

FCC

§15.407 (h) and FCC 06-96 APPENDIX “COMPLIANCE MEASUREMENT PROCEDURES FOR UNLICENSED-NATIONAL INFORMATION INFRASTRUCTURE DEVCIES OPERATING IN THE 5250-5350 MHz AND 5470-5725 MHz BANDS INCORPORATING DYNAMIC FREQUENCY SELECTION”.

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
Uniform Spreading	Yes	Not required	Not required

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

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

Maximum Transmit Power	Value (see note)
≥ 200 milliwatt	-64 dBm
< 200 milliwatt	-62 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.		

Table 4: DFS Response requirement values

Parameter	Value
Non-occupancy period	30 minutes
Channel Availability Check Time	60 seconds
Channel Move Time	10 seconds
Channel Closing Transmission Time	200 milliseconds + approx. 60 milliseconds over remaining 10 second period
The instant that the *Channel Move Time* and the *Channel Closing Transmission Time* begins is as follows: For the Short pulse radar Test Signals this instant is the end of the *Burst*. For the Frequency Hopping radar Test Signal, this instant is the end of the last radar burst generated. For the Long Pulse radar Test Signal this instant is the end of the 12 second period defining the radar transmission. The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate channel changes (an aggregate of approximately 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.	

Table 5 – Short Pulse Radar Test Waveforms

Radar Type	Pulse Width (Microseconds)	PRI (Microseconds)	Pulses	Minimum Percentage of Successful Detection	Minimum Trials
1	1	1428	18	60%	30
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

Table 6 – Long Pulse Radar Test Signal

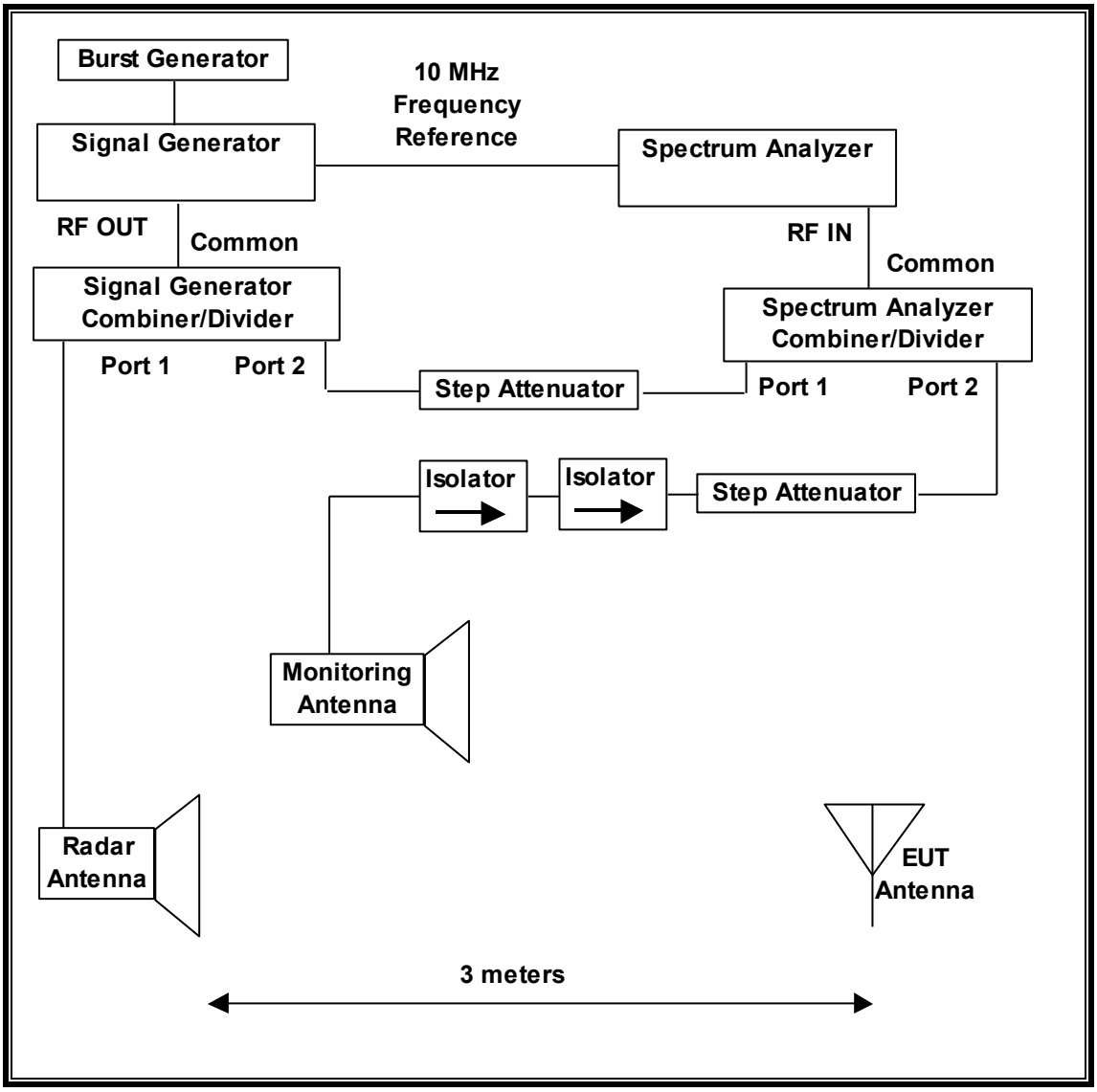
Radar Waveform	Bursts	Pulses per Burst	Pulse Width (µsec)	Chirp Width (MHz)	PRI (µsec)	Minimum Percentage of Successful Detection	Minimum Trials
5	8-20	1-3	50-100	5-20	1000-2000	80%	30

Table 7 – Frequency Hopping Radar Test Signal

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

12.4.1.2. 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 Freqeuncy Hopping Radar Waveform Generating Subsystem of FCC 06-96 APPENDIX. 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.

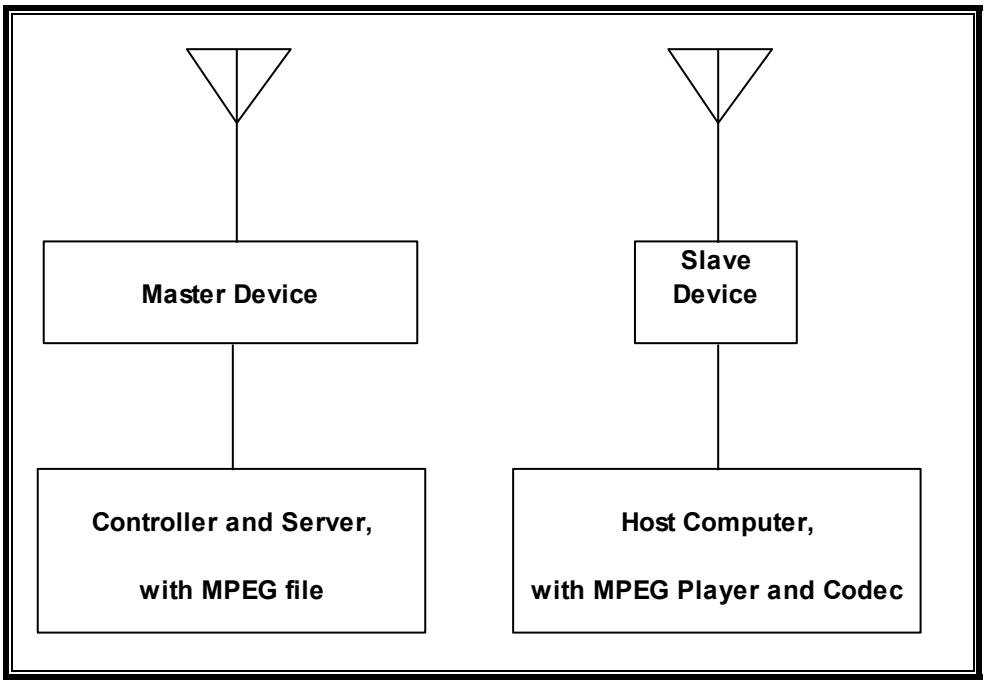
TEST AND MEASUREMENT EQUIPMENT

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

PERIPHERAL SUPPORT EQUIPMENT LIST				
Description	**Manufacturer**	**Model**	**Serial Number**	**FCC ID**
Wireless Access Point	Cisco	AIR-AP1252AG-A-K9	FTX120690N2	LDK102061
AC Adapter (AP)	Delta Electronics	EADP-45BB B	DTH112490BD	DoC
Notebook PC (Controller/Server)	Dell	PP18L	10657517725	DoC
AC Adapter (Controller/Server PC)	Dell	LA65SN0-00	CN-ODF263-71615-6AU-1019	DoC
Notebook PC (Controller/Client PC)	HP	8470P	CNU342CP7Y	ICEB-00
AC Adapter (Client PC)	HP	PA-1650-32HJ	WCNXA0C3U5IA7F	DoC
AC Adapter (EUT)	LITE ON	PB-1250-8ESI	ETC 1343000075	DoC

12.4.1.3. SETUP OF EUT

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**
Wireless Access Point (Master Device)	Cisco	AIR-AP1252AG-A-K9	FTX120690N2	LDK102061
AC Adapter (AP)	Delta Electronics	EADP-45BB B	DTH112490BD	DoC
Notebook PC (Controller/Server)	Dell	PP18L	10657517725	DoC
AC Adapter (Controller/Server PC)	Dell	LA65SN0-00	CN-ODF263-71615-6AU-1019	DoC
Notebook PC (Controller/Client PC)	HP	8470P	CNU342CP7Y	ICEB-00
AC Adapter (Client PC)	HP	PA-1650-32HJ	WCNXA0C3U5IA7F	DoC
AC Adapter (EUT)	LITE ON	PB-1250-8ESI	ETC 1343000075	DoC

12.4.1.4. DESCRIPTION OF EUT

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 23.3 dBm EIRP in the 5250-5350 MHz band and 23.99 dBm EIRP in the 5470-5725 MHz band.

The only antenna assembly utilized with the EUT has a gain of 1.7 dBi.

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 margin to the limit.

The EUT uses tree transmitter/receiver chains, each connected to an antenna to perform radiated tests.

WLAN traffic is generated by streaming the video file TestFile.mp2 “6 ½ Magic Hours” from the Master to the Slave in full motion video mode using the media player with the V2.61 Codec package.

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 access point is FCC 1STR revision 1.1

UNIFORM CHANNEL SPREADING

This requirement is not applicable to Slave radio devices.

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

The Master Device is a Cisco Access Point, FCC ID: LDK102061. The minimum antenna gain for the Master Device is 3.5 dBi.

The EUT is a Slave Device without Radar Detection.

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

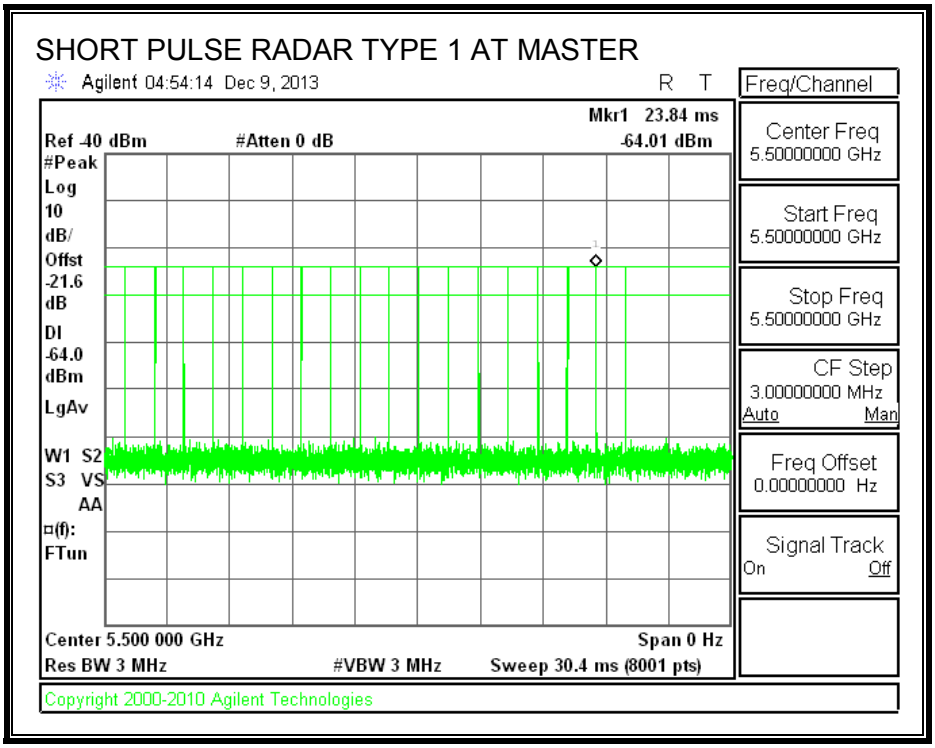
12.4.2. RESULTS FOR 20 MHz BANDWIDTH

12.4.2.1. TEST CHANNEL

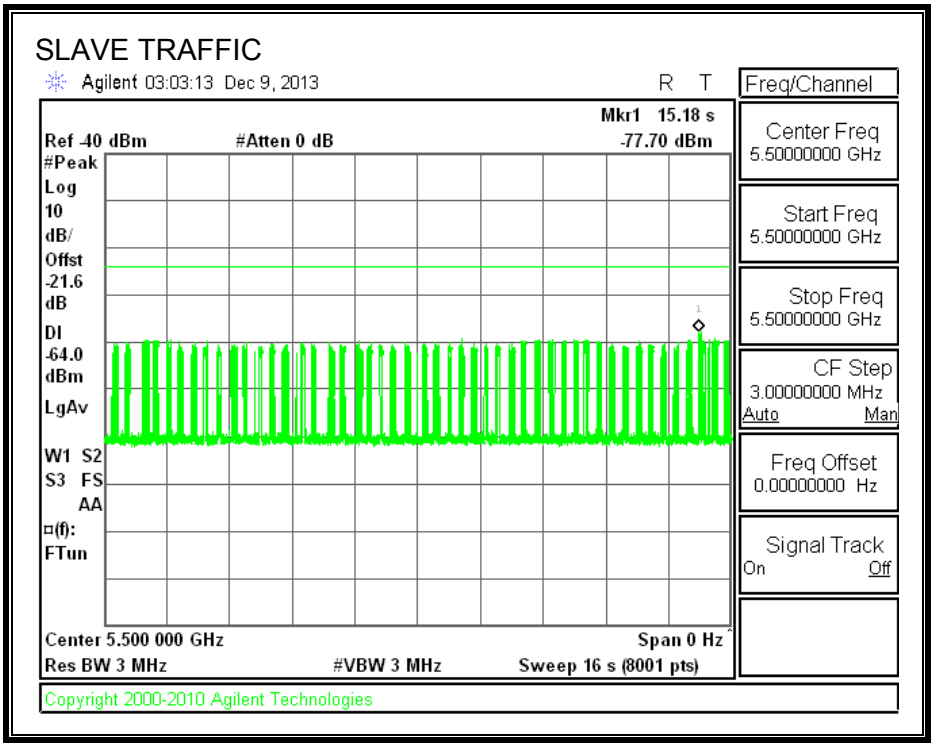
All tests were performed at a channel center frequency of 5500 MHz.

12.4.2.2. RADAR WAVEFORM AND TRAFFIC

RADAR WAVEFORM



TRAFFIC



12.4.2.3. OVERLAPPING CHANNEL TESTS

RESULTS

These tests are not applicable.

12.4.2.4. 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 FCC aggregate time is calculated begins at (Reference Marker + 200 msec) and ends no earlier than (Reference Marker + 10 sec).

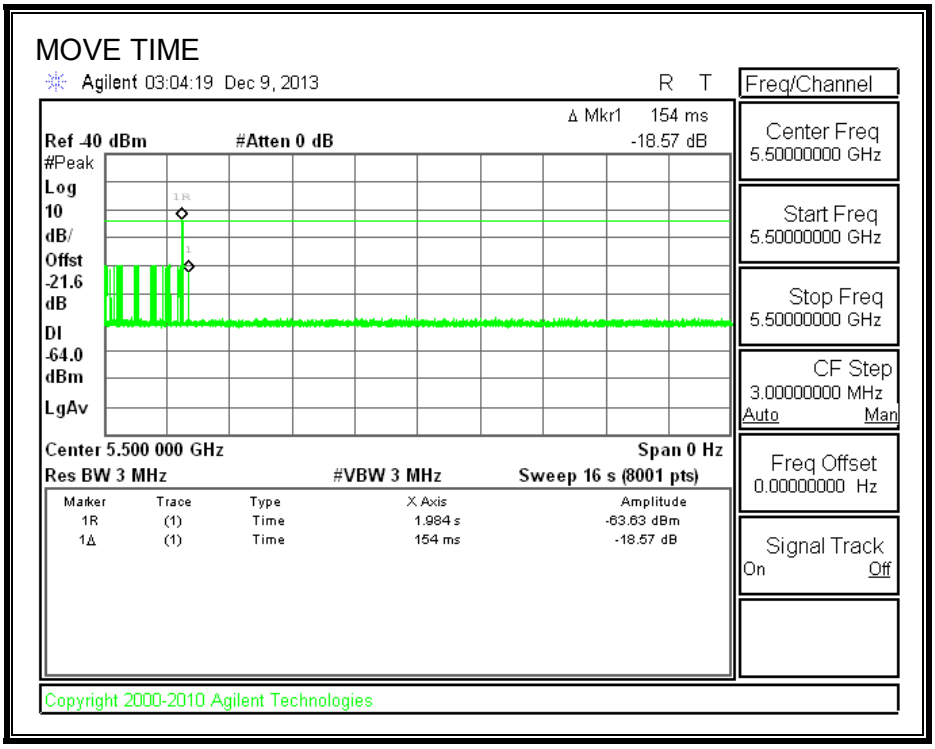
The observation period over which the IC aggregate time is calculated begins at (Reference Marker) and ends no earlier than (Reference Marker + 10 sec).

RESULTS

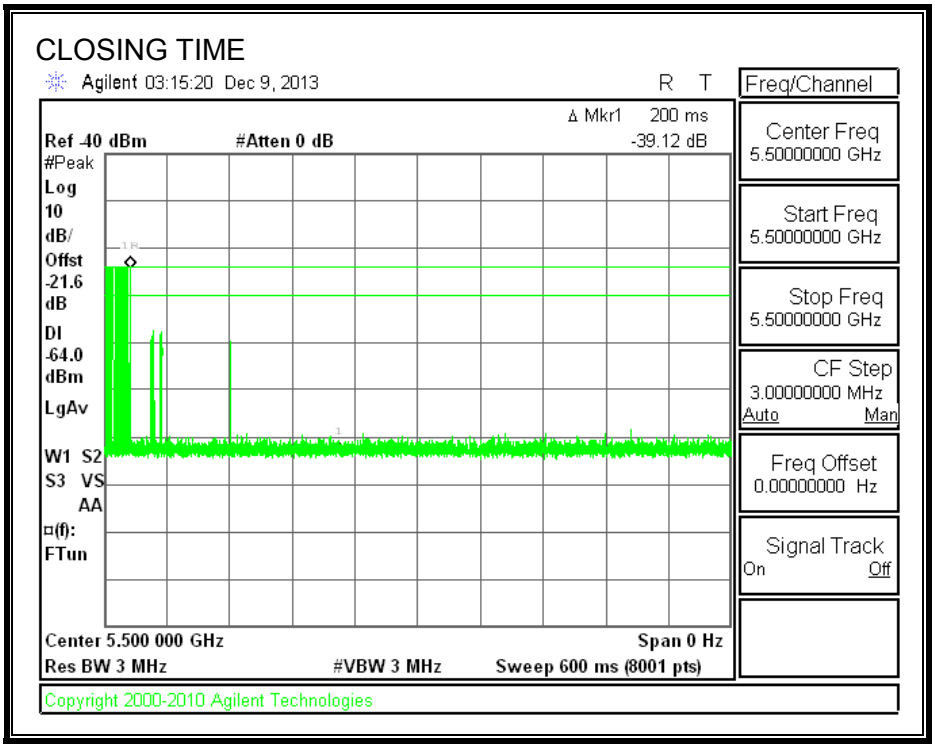
Channel Move Time (sec)	Limit (sec)
0.154	10

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

MOVE TIME



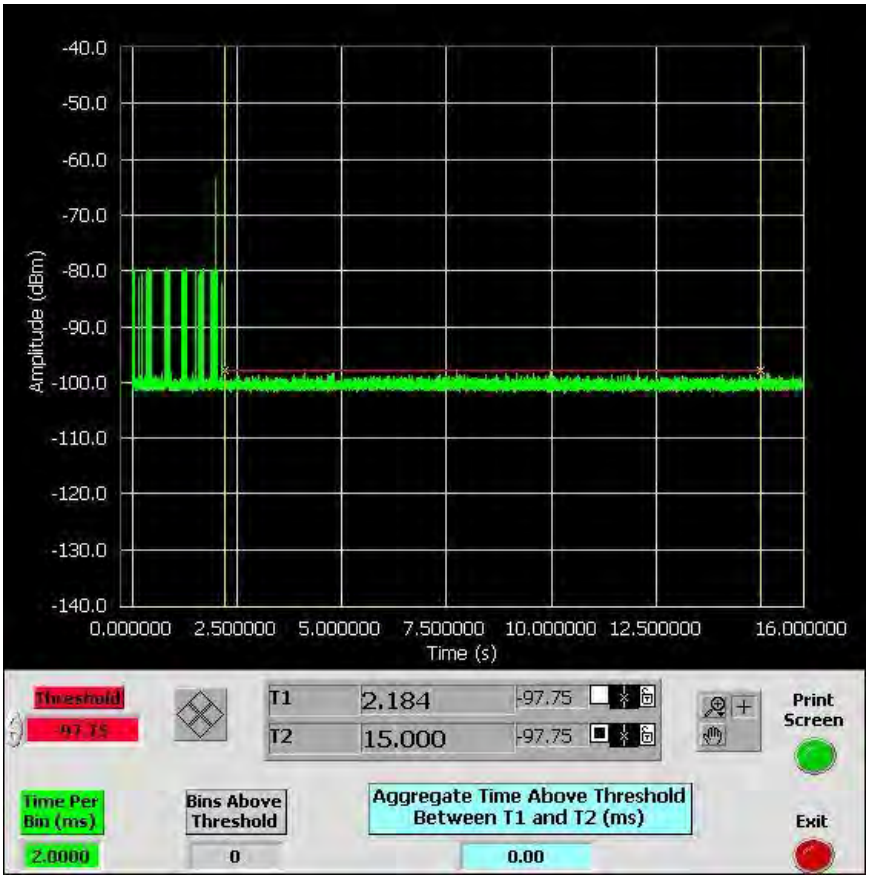
CHANNEL CLOSING TIME



AGGREGATE CHANNEL CLOSING TRANSMISSION TIME

No intermittent transmissions are observed during the aggregate monitoring period.

AGGREGATE CLOSING TIME



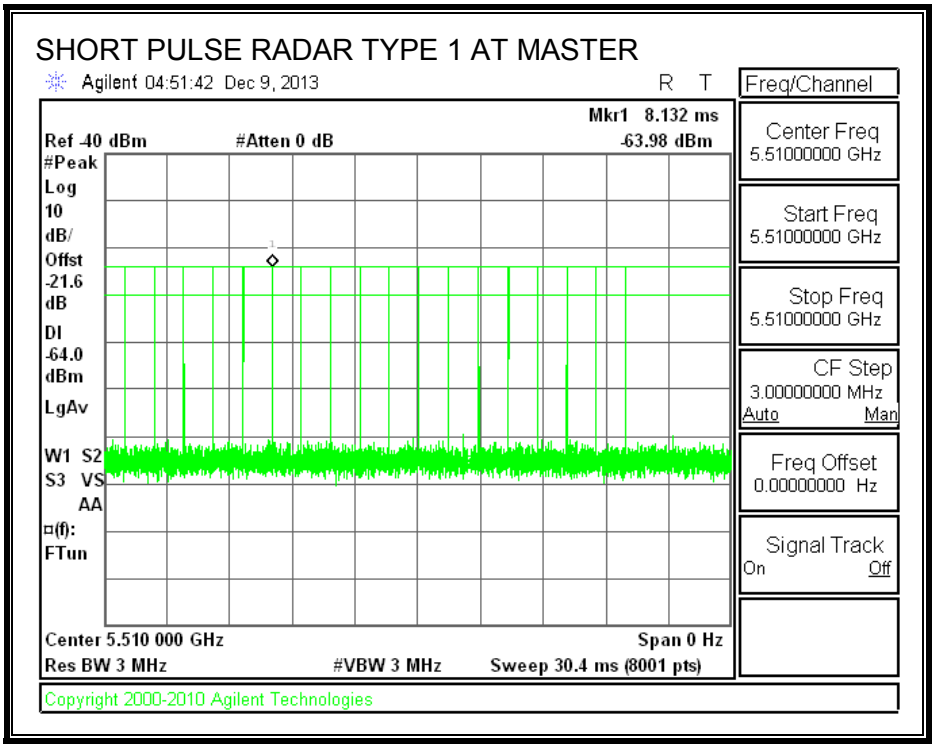
12.4.3. RESULTS FOR 40 MHz BANDWIDTH

12.4.3.1. TEST CHANNEL

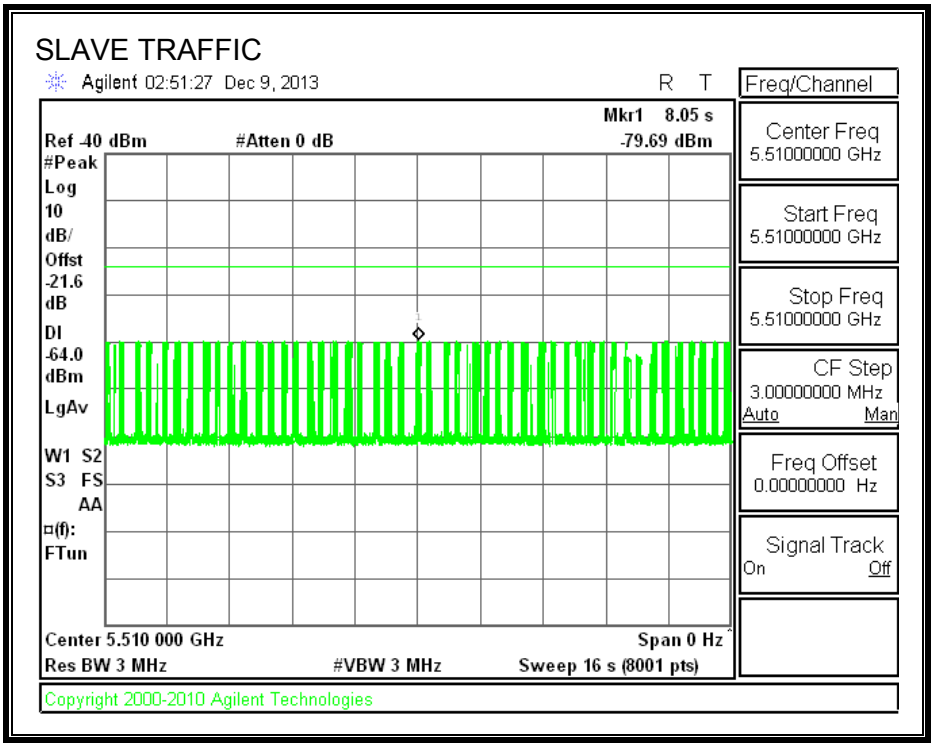
All tests were performed at a channel center frequency of 5510 MHz.

12.4.3.2. RADAR WAVEFORM AND TRAFFIC

RADAR WAVEFORM



TRAFFIC



12.4.3.3. OVERLAPPING CHANNEL TESTS

RESULTS

These tests are not applicable.

12.4.3.4. 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 FCC aggregate time is calculated begins at (Reference Marker + 200 msec) and ends no earlier than (Reference Marker + 10 sec).

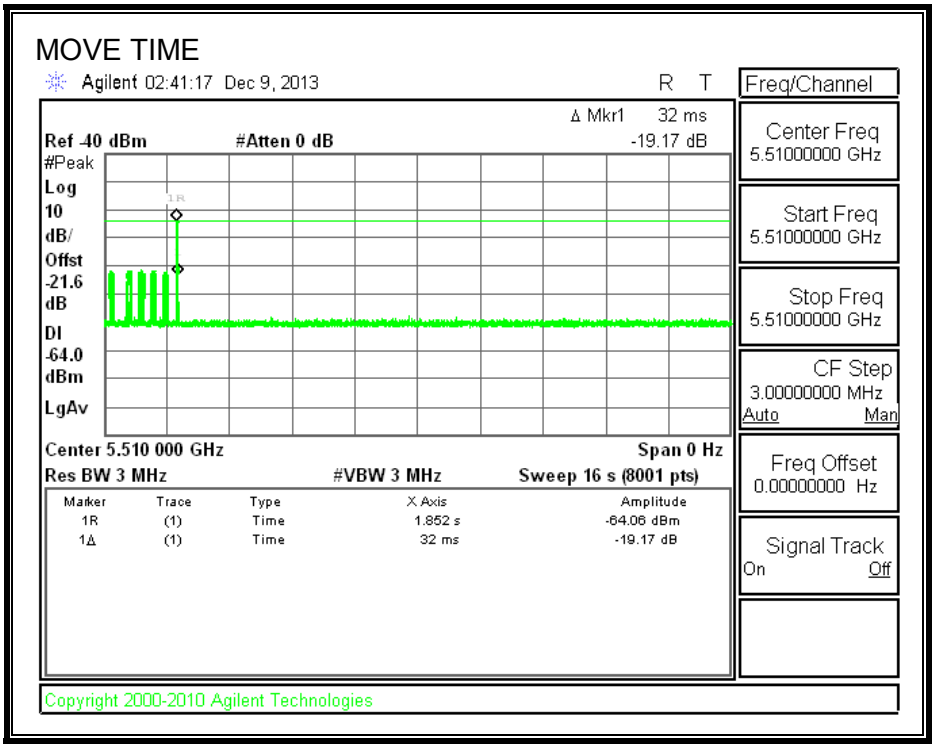
The observation period over which the IC aggregate time is calculated begins at (Reference Marker) and ends no earlier than (Reference Marker + 10 sec).

RESULTS

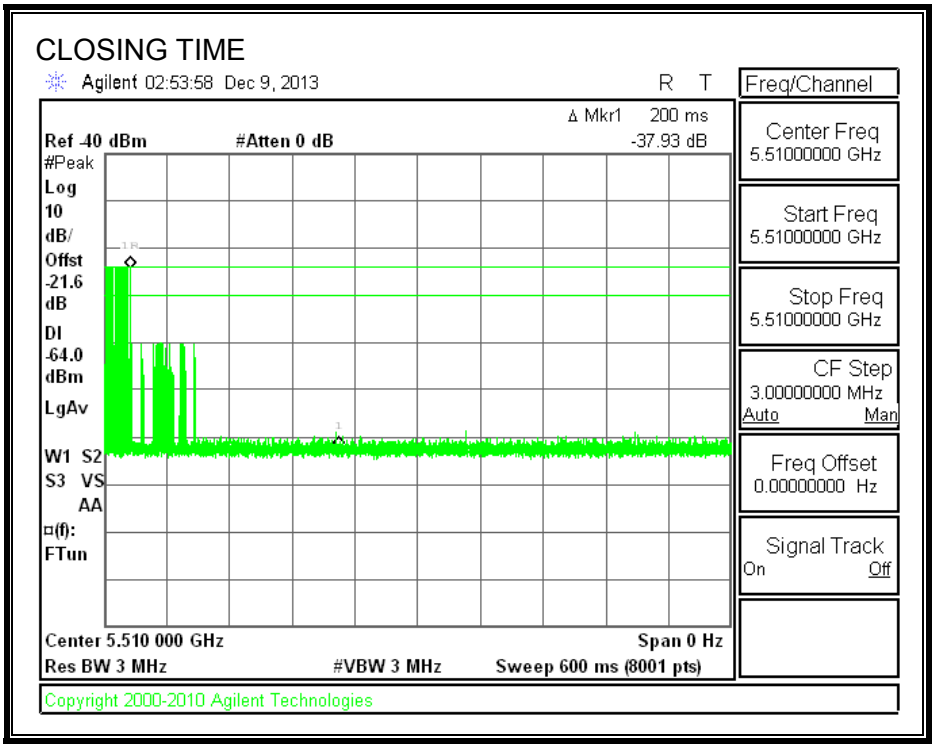
Channel Move Time (sec)	Limit (sec)
0.032	10

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

MOVE TIME



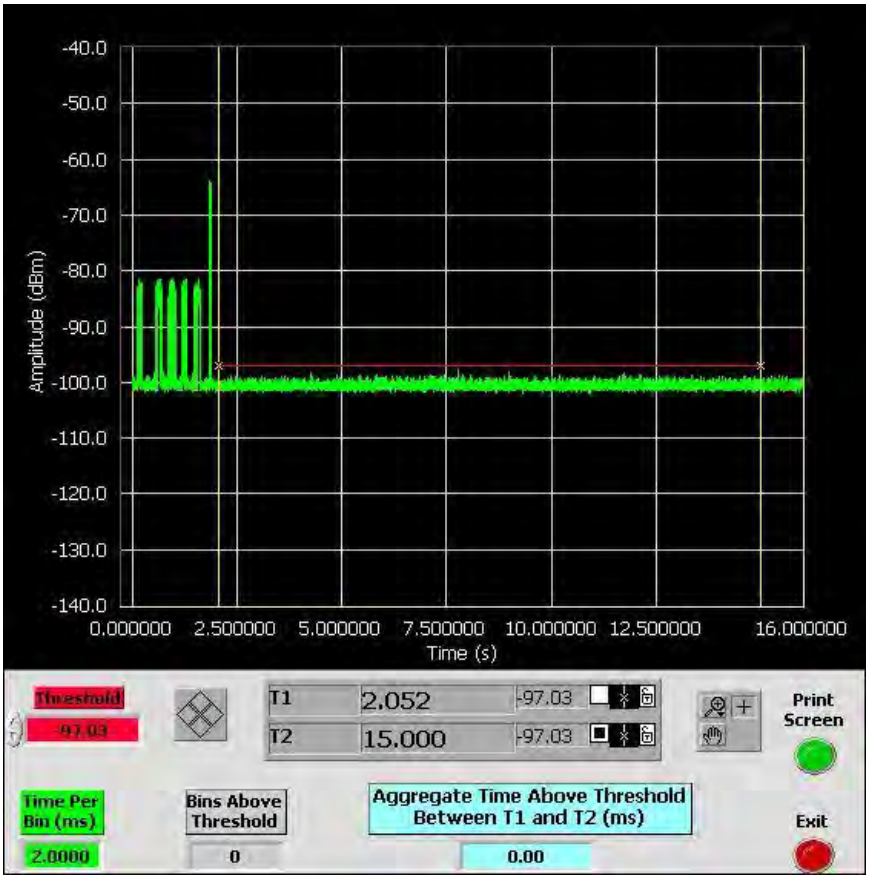
CHANNEL CLOSING TIME



AGGREGATE CHANNEL CLOSING TRANSMISSION TIME

No intermittent transmissions are observed during the aggregate monitoring period.

AGGREGATE CLOSING TIME



12.4.3.5. NON-OCCUPANCY PERIOD

RESULTS

No EUT transmissions were observed on the test channel during the 30-minute observation time.