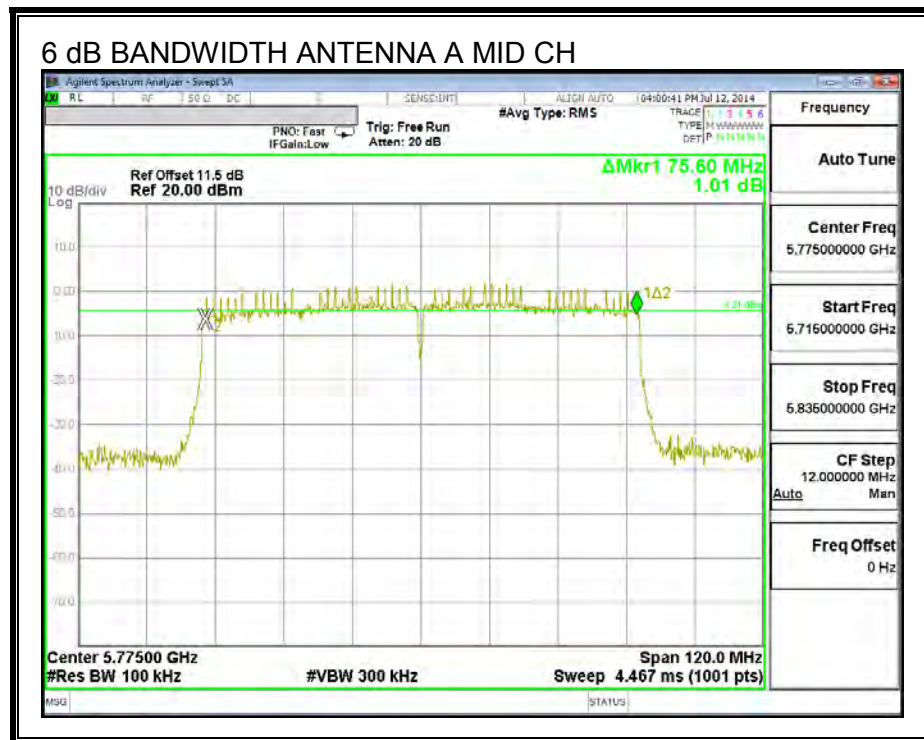
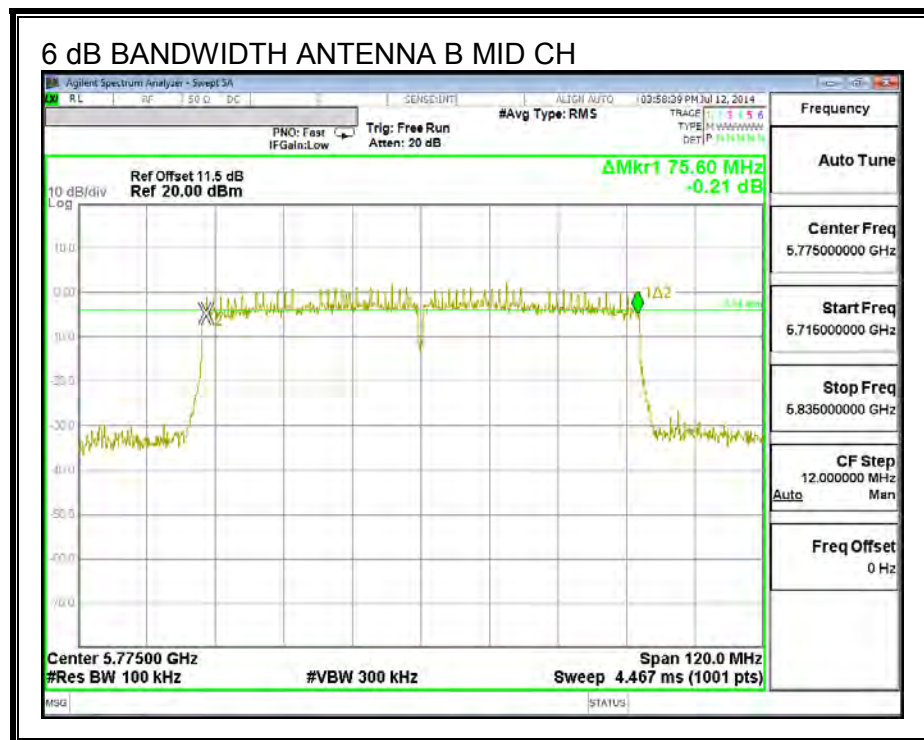


6 dB BANDWIDTH, ANTENNA A



6 dB BANDWIDTH, ANTENNA B



9.35.2. 26 dB BANDWIDTH

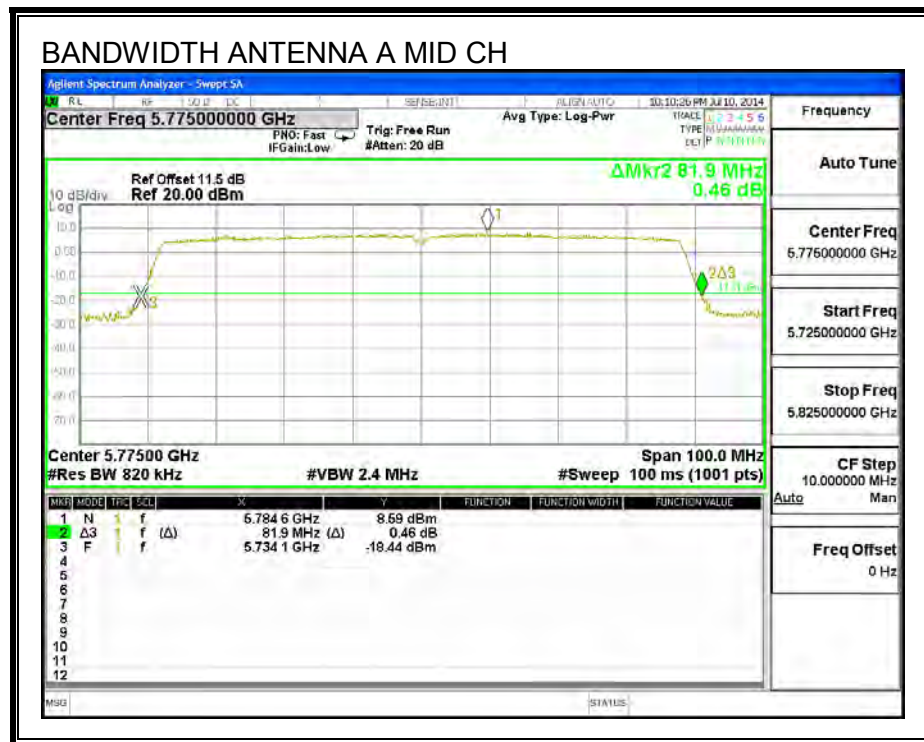
LIMITS

None; for reporting purposes only.

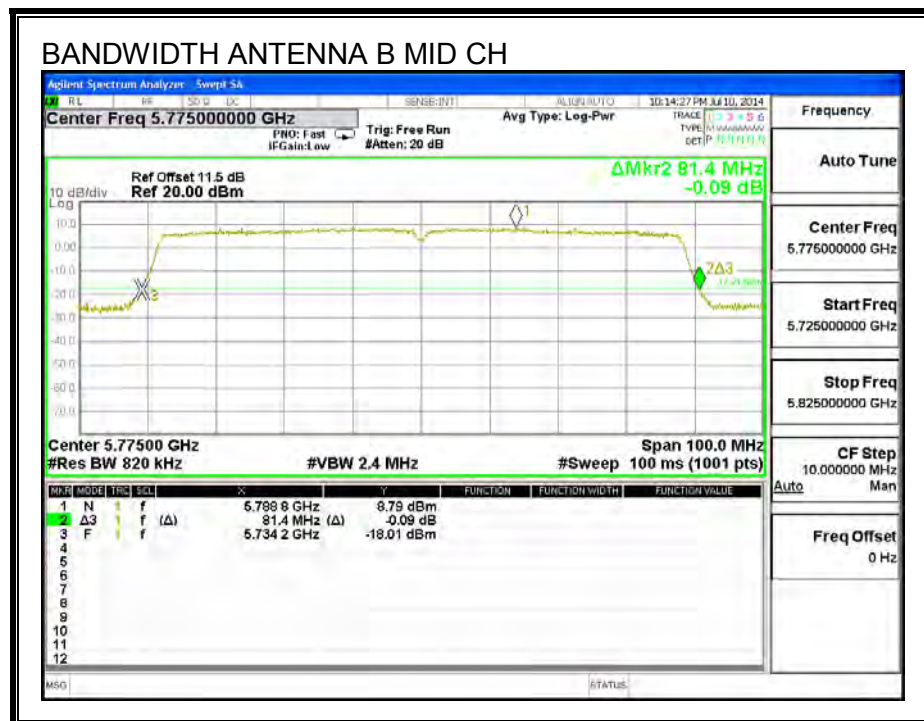
RESULTS

Channel	Frequency (MHz)	26 dB BW Antenna A (MHz)	26 dB BW Antenna B (MHz)
Mid	5775	81.90	81.40

26 dB BANDWIDTH, ANTENNA A



26 dB BANDWIDTH, ANTENNA B



9.35.3. 99% BANDWIDTH

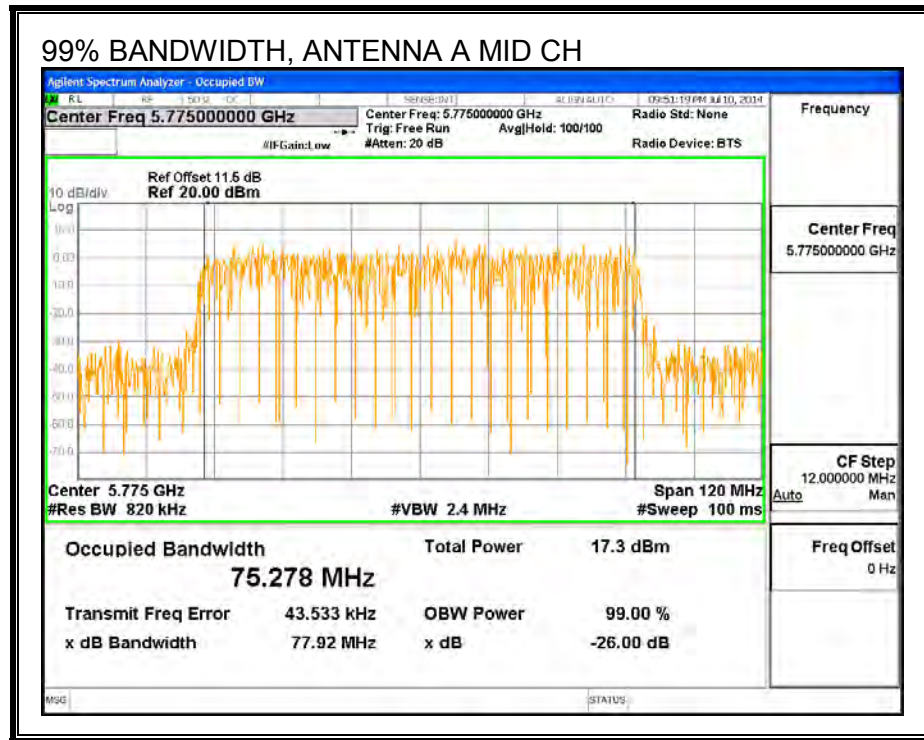
LIMITS

None; for reporting purposes only.

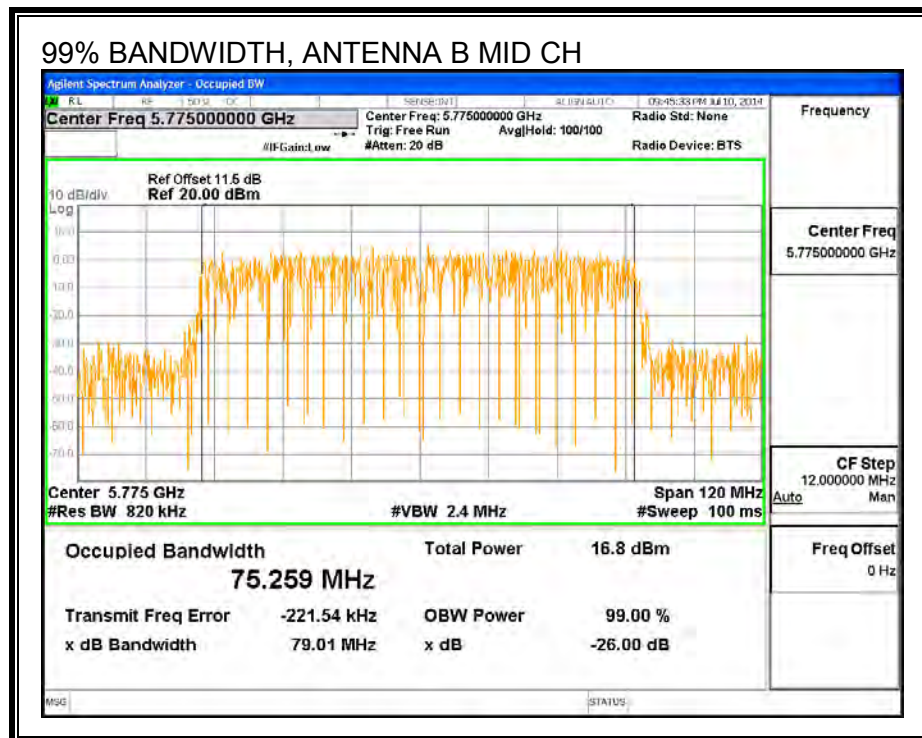
RESULTS

Channel	Frequency (MHz)	99% BW Antenna A (MHz)	99% BW Antenna B (MHz)
Mid	5775	75.278	75.259

99% BANDWIDTH, ANTENNA A



99% BANDWIDTH, ANTENNA B



9.35.4. AVERAGE POWER

LIMITS

None; for reporting purposes only.

TEST PROCEDURE

The transmitter output is connected to a power meter. The power meter was setup for a gated power measurement.

The cable assembly insertion loss of 11.5 dB (including 10 dB pad and 1.5 dB cable) was entered as an offset in the power meter to allow for direct reading of power.

RESULTS

Average Power Results

Channel	Frequency	Antenna A	Antenna B	Total
	(MHz)	Power (dBm)	Power (dBm)	Power (dBm)
Mid	5775	12.91	12.98	15.96

9.35.5. OUTPUT POWER

LIMITS

FCC §15.407 (a) (3)

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

TEST PROCEDURE

The transmitter output is connected to a power meter. The power meter was setup for a gated power measurement.

The cable assembly insertion loss of 11.5 dB (including 10 dB pad and 1.5 dB cable) was entered as an offset in the power meter to allow for direct reading of power.

DIRECTIONAL ANTENNA GAIN

The TX chains are uncorrelated and the antenna gain is unequal among the chains. The directional gain is:

Antenna A	Antenna B	Uncorrelated Chains Directional
Gain (dBi)	Gain (dBi)	Gain (dBi)
4.34	4.28	4.31

The TX chains are correlated and the antenna gain is unequal among the chains. The directional gain is:

Antenna A	Antenna B	Correlated Chains Directional
Gain (dBi)	Gain (dBi)	Gain (dBi)
4.34	4.28	7.32

RESULTS

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)
Mid	5775	4.31	30.00

Duty Cycle CF (dB)	0.21	Included in Calculations of Corr'd Power
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Output Power Results

Channel	Frequency (MHz)	Antenna A Meas Power (dBm)	Antenna B Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	12.91	12.98	16.17	30.00	-13.83

9.35.6. MAXIMUM POWER SPECTRAL DENSITY (PSD)

LIMITS

FCC §15.407 (a) (3)

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

DIRECTIONAL ANTENNA GAIN

The TX chains are uncorrelated and the antenna gain is unequal among the chains. The directional gain is:

Antenna A	Antenna B	Uncorrelated Chains Directional
Gain (dBi)	Gain (dBi)	Gain (dBi)
4.34	4.28	4.31

The TX chains are correlated and the antenna gain is the same for each chain. The directional gain is:

The TX chains are correlated and the antenna gain is unequal among the chains. The directional gain is:

Antenna A	Antenna B	Correlated Chains Directional
Gain (dBi)	Gain (dBi)	Gain (dBi)
4.34	4.28	7.32

RESULTS

Antenna Gain and Limit

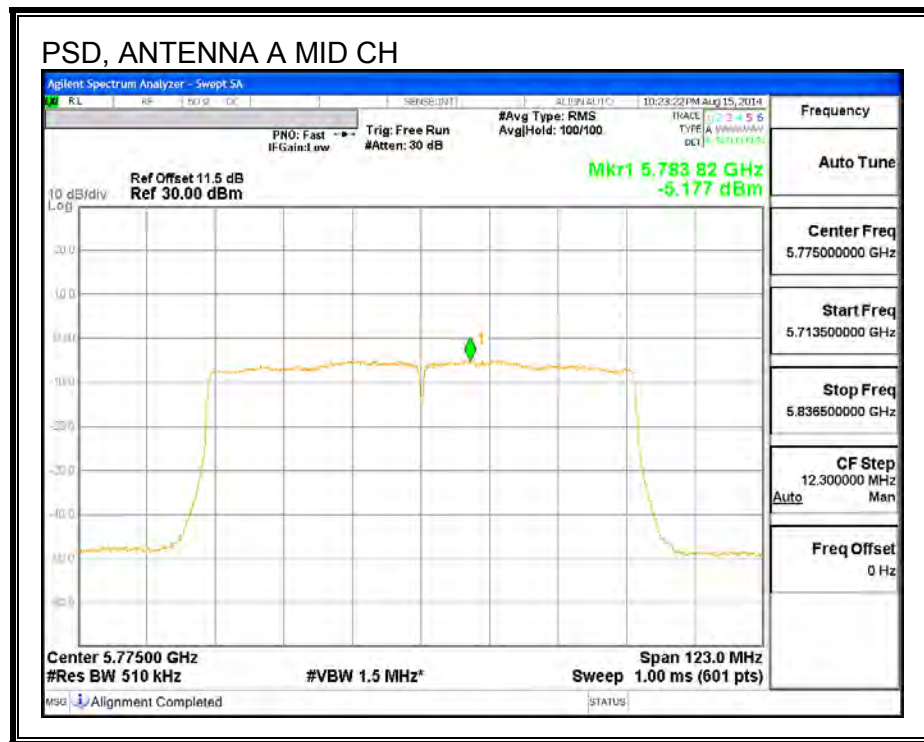
Channel	Frequency	Directional Gain	PSD Limit
	(MHz)	(dBi)	(dBm)
Mid	5775	7.32	28.68

Duty Cycle CF (dB)	0.21	Included in Calculations of Corr'd PSD
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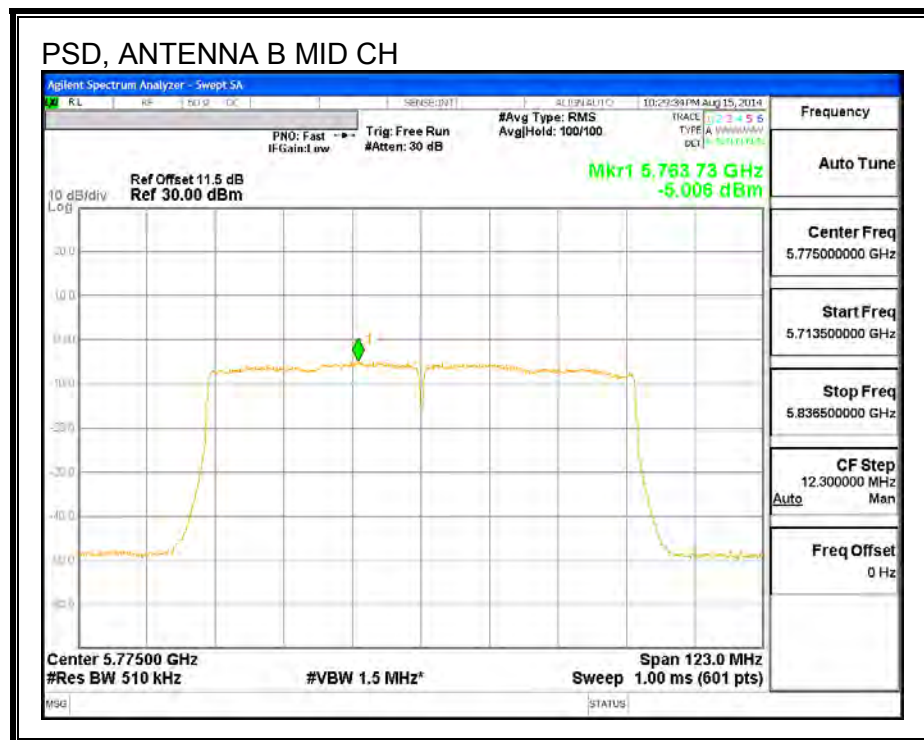
PSD Results

Channel	Frequency	Antenna A Meas PSD	Antenna B Meas PSD	Total Corr'd PSD	PSD Limit	PSD Margin
	(MHz)	(dBm)	(dBm)	(dBm)	(dBm)	(dB)
Mid	5775	-5.18	-5.01	-1.87	28.68	-30.55

PSD, ANTENNA A



PSD, ANTENNA B



9.36. 802.11ac VHT80 2TX STBC MODE IN THE 5.8 GHz BAND

Refer to Section 9.35, 802.11ac VHT80 2TX CDD MODE IN THE 5.8 GHz BAND.

10. RADIATED TEST RESULTS

10.1. LIMITS AND PROCEDURE

LIMITS

FCC §15.205 and §15.209

Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane. The antenna to EUT distance is 3 meters.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and as applicable for average measurements.

The spectrum from 30 MHz to 40 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band.

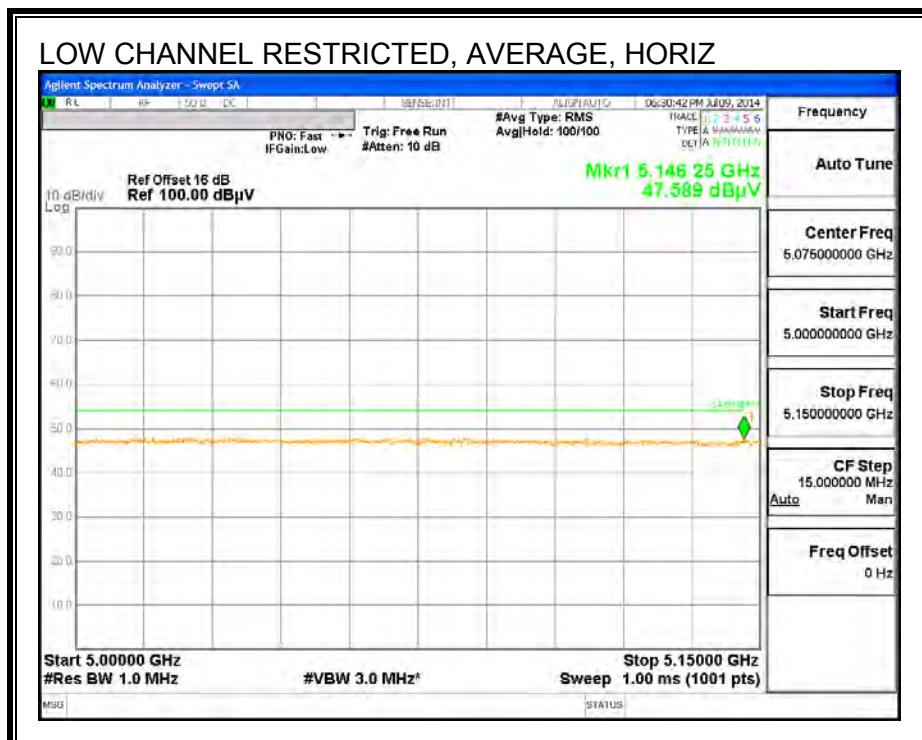
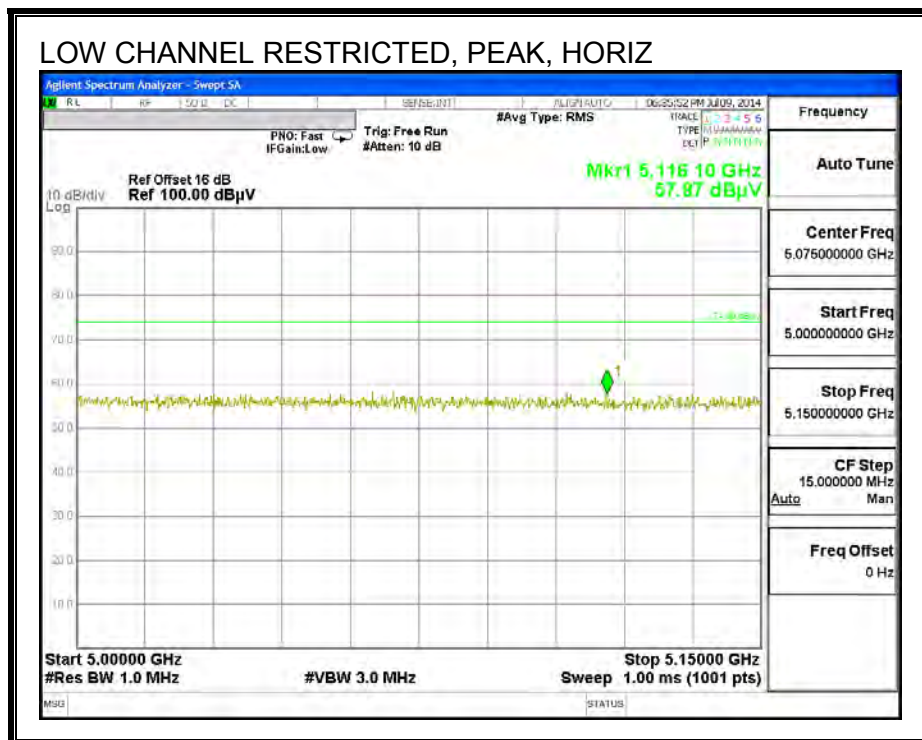
The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions.

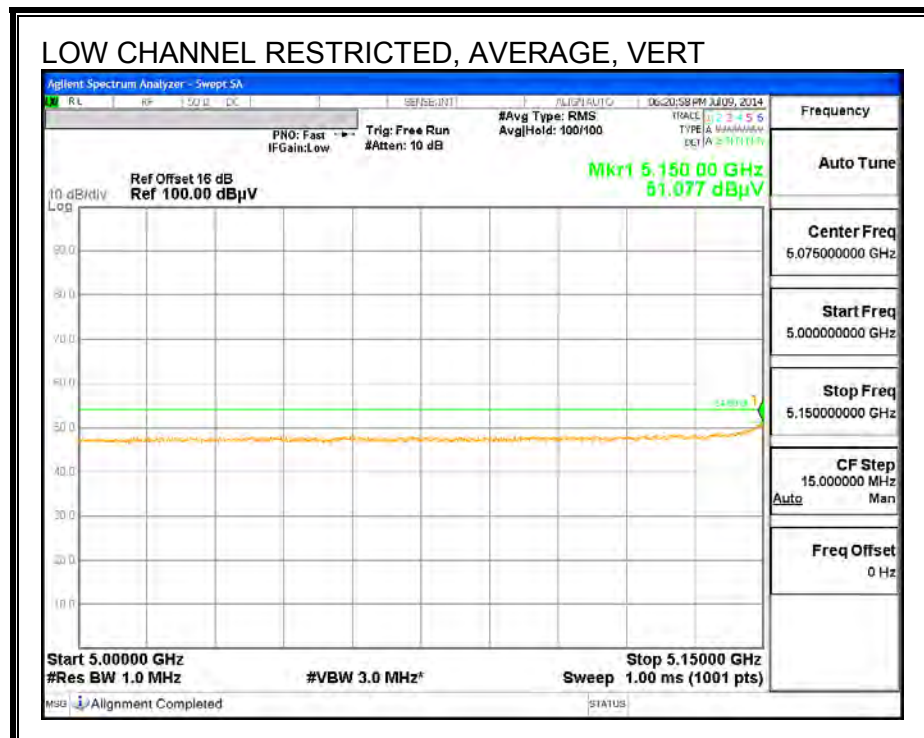
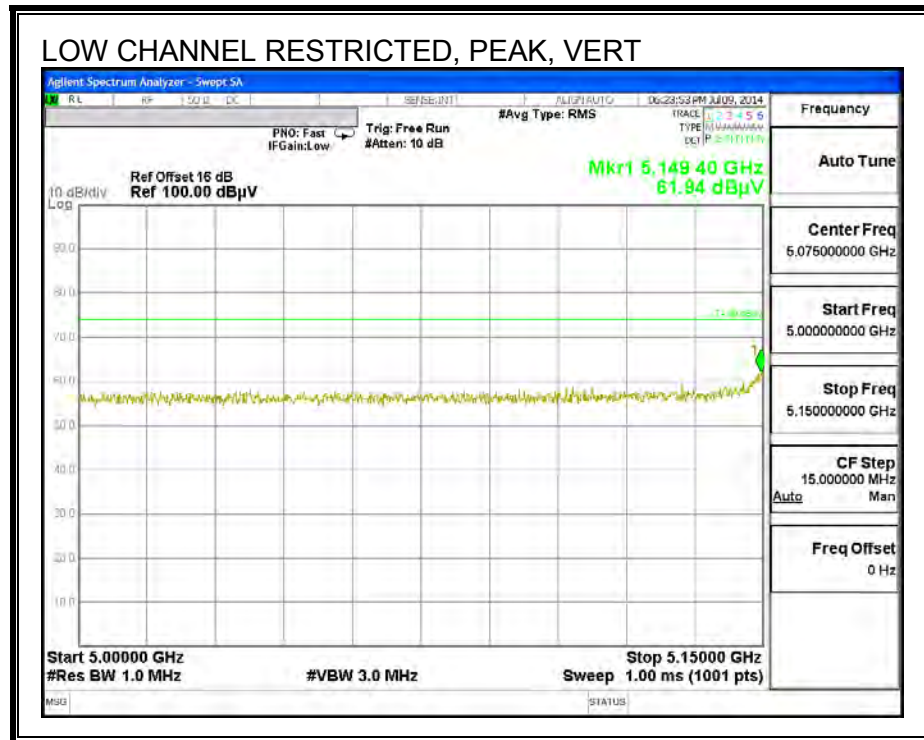
1TX mode indicates that only one antenna is transmitting. 2TX mode indicates that two antennas are transmitting simultaneously.

10.2. TRANSMITTER ABOVE 1 GHz

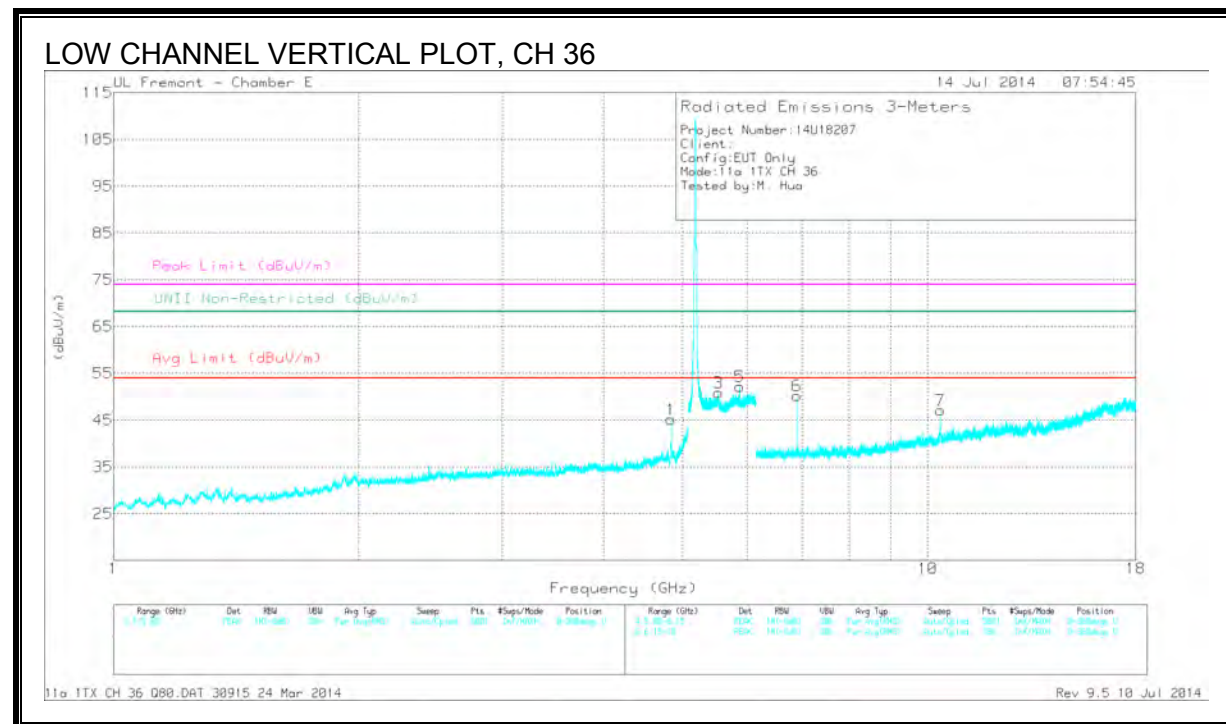
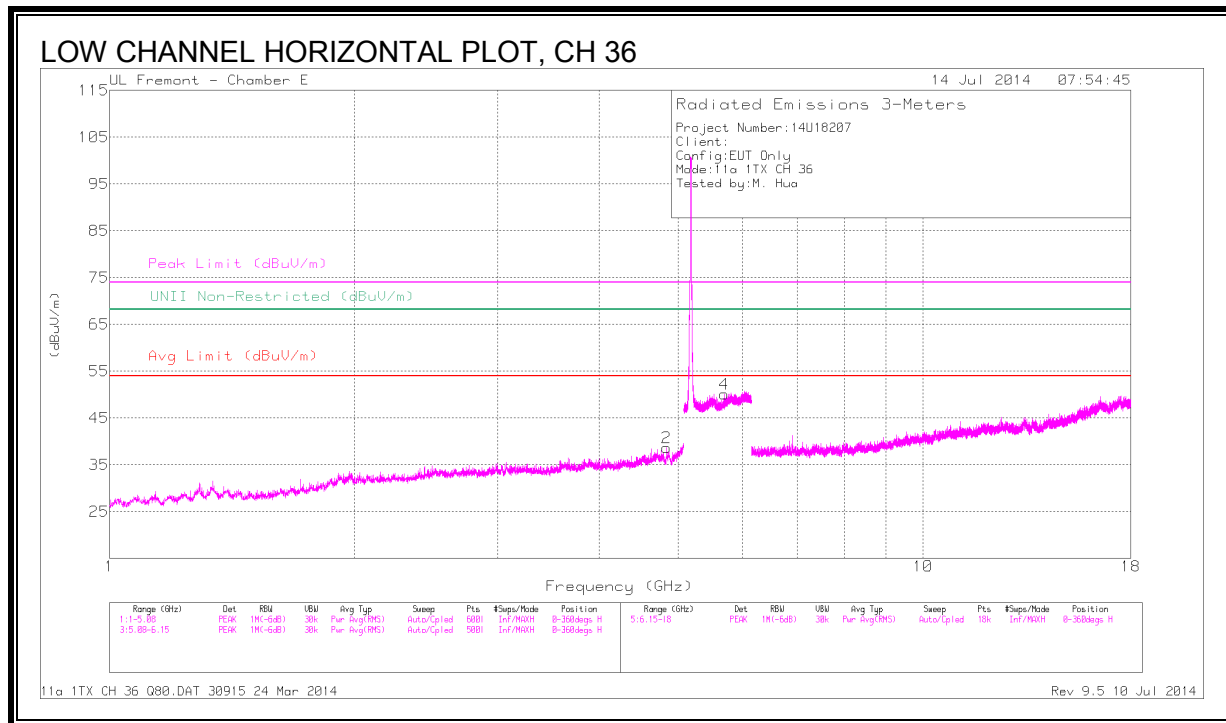
10.2.1. TX ABOVE 1 GHz 802.11a 1TX MODE IN THE 5.2 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)





HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 4.835	44.15	PK1	34.1	-30.3	47.95	-	-	74	-26.05	-	-	235	262	H
	* 4.835	34.62	AD1	34.1	-30.3	38.42	54	-15.58	-	-	-	-	235	262	H
1	* 4.835	47.13	PK1	34.1	-30.3	50.93	-	-	74	-23.07	-	-	244	221	V
	* 4.835	39.92	AD1	34.1	-30.3	43.72	54	-10.28	-	-	-	-	244	221	V
3	5.529	44.77	PK1	34.6	-20.5	58.87	-	-	-	-	68.2	-9.33	194	148	V
4	5.691	43.06	PK1	34.8	-21	56.86	-	-	-	-	68.2	-11.34	234	187	H
5	5.869	45.09	PK1	35	-20.5	59.59	-	-	-	-	68.2	-8.61	214	174	V
6	6.906	45.88	PK1	35.9	-28.8	52.98	-	-	-	-	68.2	-15.22	190	184	V
7	10.36	41.34	PK1	37.3	-23.8	54.84	-	-	-	-	68.2	-13.36	153	285	V

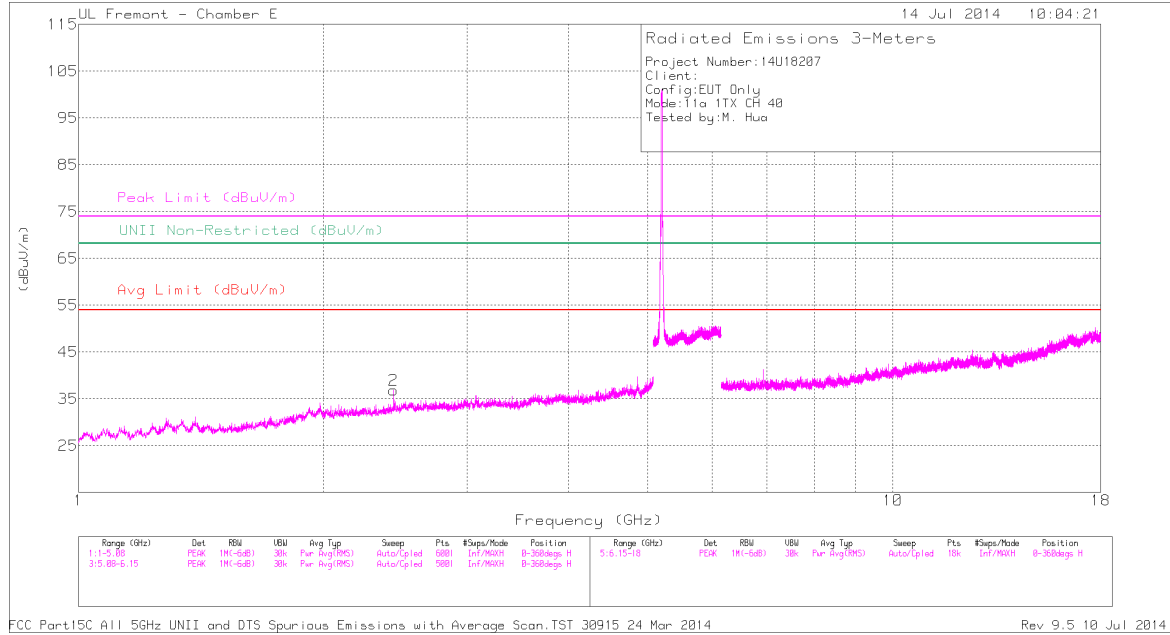
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

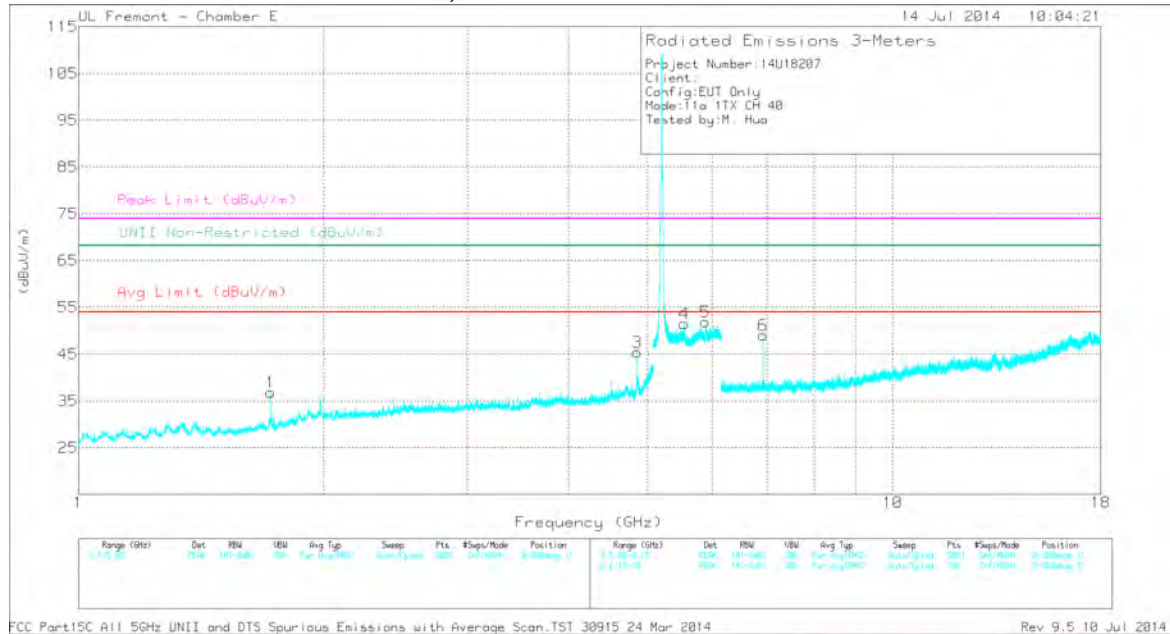
AD1 - KDB789033 Method: AD Primary Power Average

HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL HORIZONTAL PLOT, CH 40



MID CHANNEL VERTICAL PLOT, CH 40



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.720	31.91	AD1	29.3	-33.7	27.51	54	-26.49	-	-	-	-	327	226	V
	* 1.720	47.72	PK1	29.3	-33.7	43.32	-	-	74	-30.68	-	-	327	226	V
3	* 4.853	40.45	AD1	34.1	-30.5	44.05	54	-9.95	-	-	-	-	254	220	V
	* 4.853	47.63	PK1	34.1	-30.5	51.23	-	-	74	-22.77	-	-	254	220	V
2	2.435	45.24	PK1	32.1	-33.1	44.24	-	-	-	-	68.2	-23.96	23	286	H
4	5.546	45.37	PK1	34.6	-20.8	59.17	-	-	-	-	68.2	-9.03	199	202	V
5	5.889	45.48	PK1	35.1	-20.3	60.28	-	-	-	-	68.2	-7.92	197	192	V
6	6.933	45.56	PK1	35.9	-28.4	53.06	-	-	-	-	68.2	-15.14	193	174	V

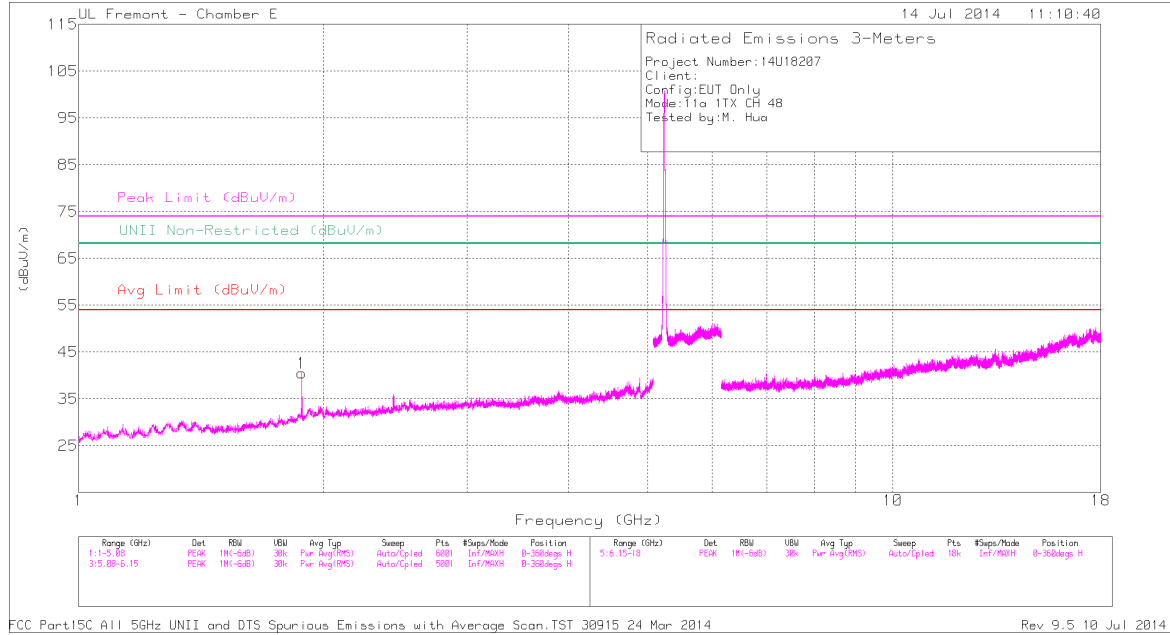
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

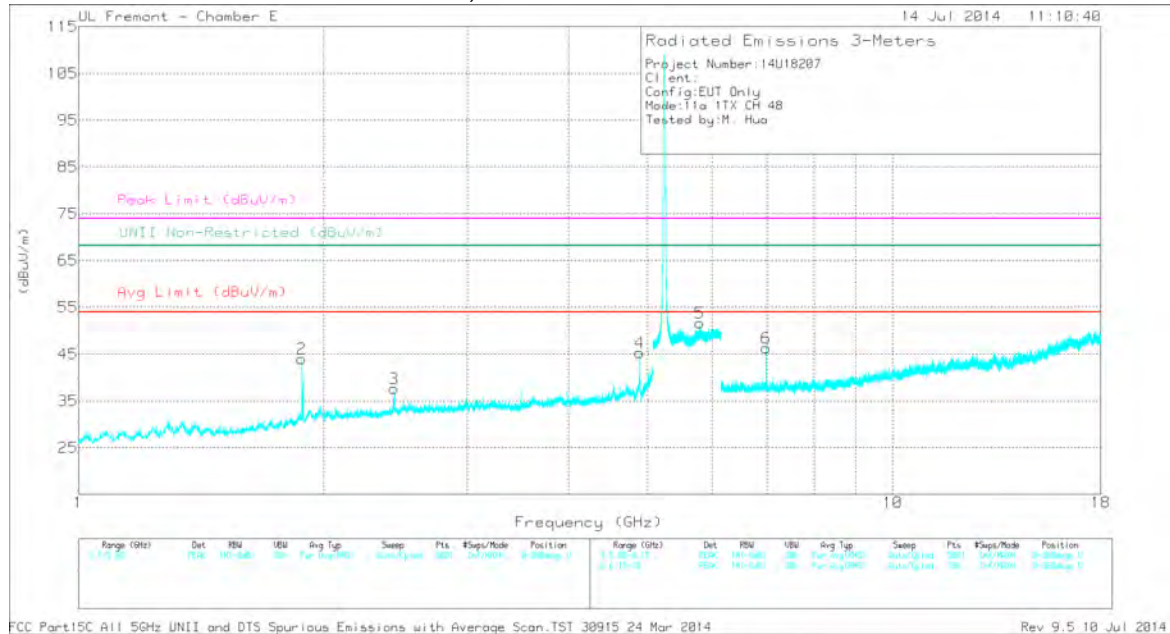
AD1 - KDB789033 Method: AD Primary Power Average

HARMONICS AND SPURIOUS EMISSIONS

HIGH CHANNEL HORIZONTAL PLOT, CH 48



HIGH CHANNEL VERTICAL PLOT, CH 48



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Fitter/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 4.891	47.44	PK1	34	-30.1	51.34	-	-	74	-22.66	-	-	152	243	V
	* 4.891	40.52	AD1	34	-30.1	44.42	54	-9.58	-	-	-	-	152	243	V
1	1.88	50.23	PK1	30.9	-33.5	47.63	-	-	-	-	68.2	-20.57	339	184	H
2	1.88	51.46	PK1	30.9	-33.5	48.86	-	-	-	-	68.2	-19.34	354	109	V
3	1.88	51.9	PK1	30.9	-33.5	49.3	-	-	-	-	68.2	-18.9	354	109	V
5	5.793	43.44	PK1	34.9	-20.7	57.64	-	-	-	-	68.2	-10.56	315	109	V
6	6.987	44.16	PK1	35.9	-28.3	51.76	-	-	-	-	68.2	-16.44	103	183	V

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

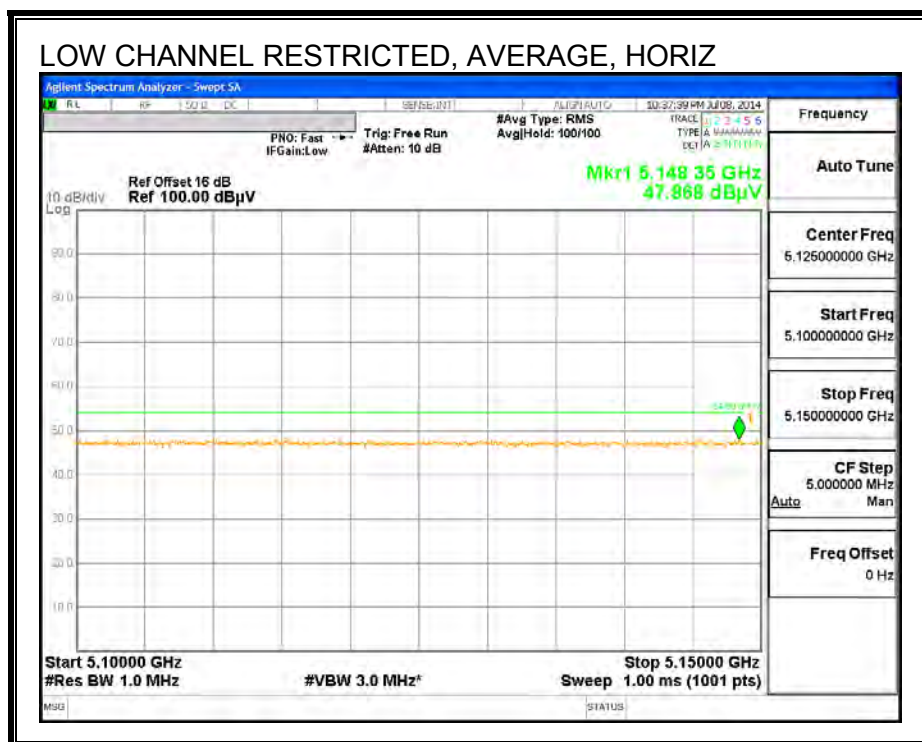
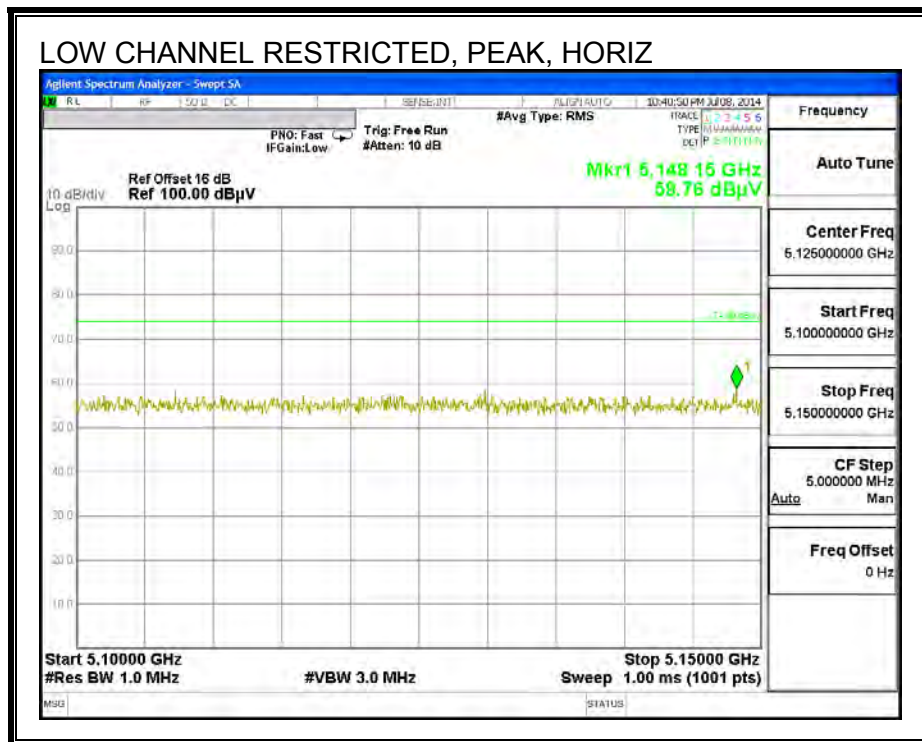
PK1 - KDB789033 Method: Peak

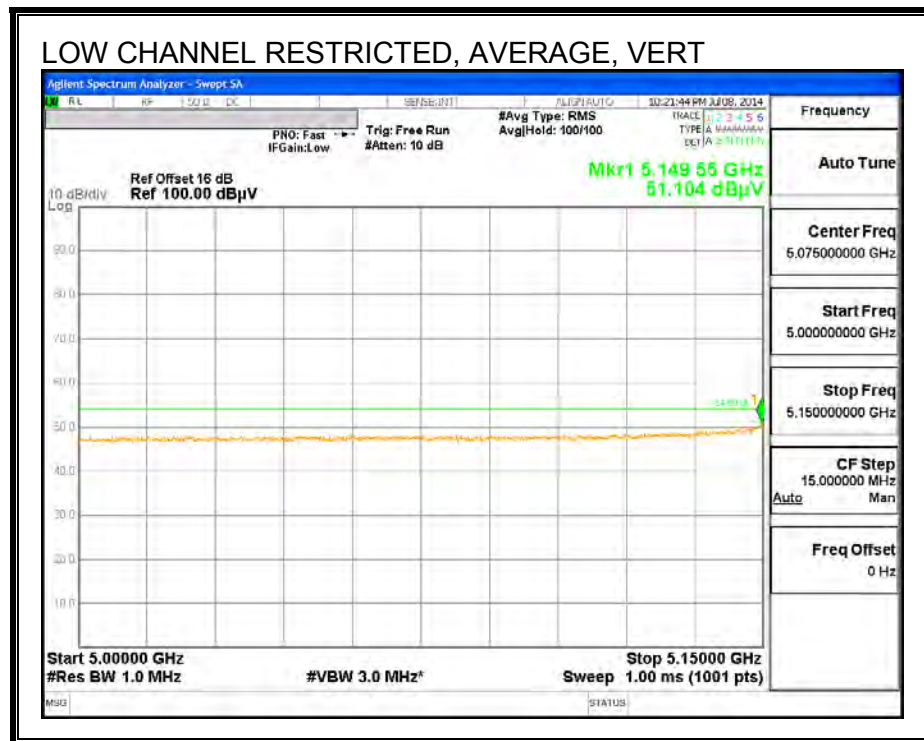
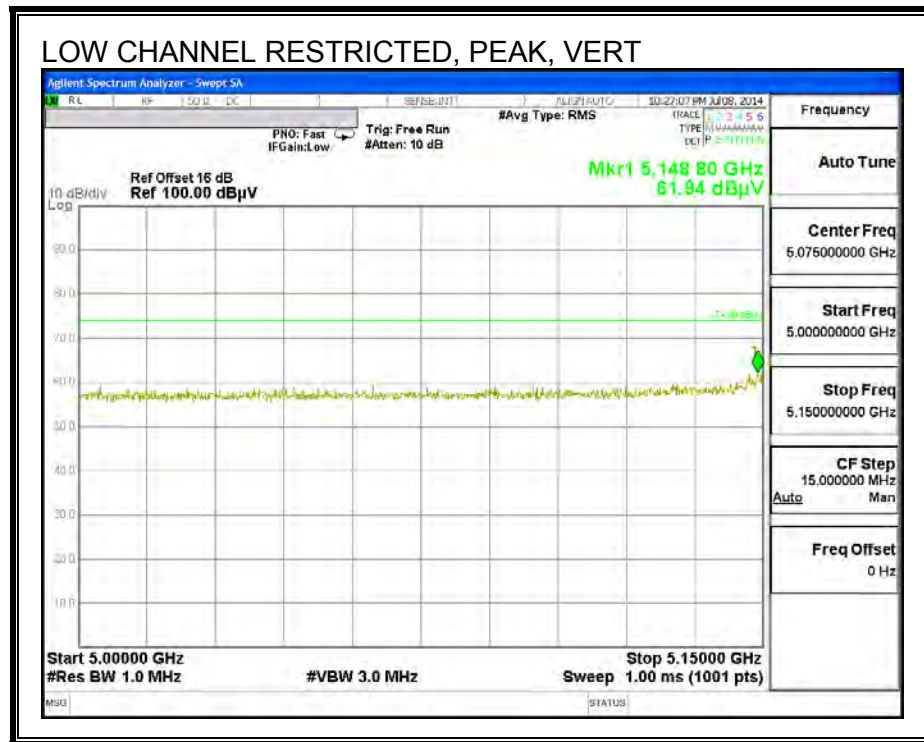
AD1 - KDB789033 Method: AD Primary Power Average

10.2.2. TX ABOVE 1 GHz 802.11n HT20 CDD 2TX MODE IN THE 5.2 GHz BAND

All radiated tests for 802.11n HT20 were conducted with CDD mode at the elevated power of STBC mode. This configuration is considered representative of both modes.

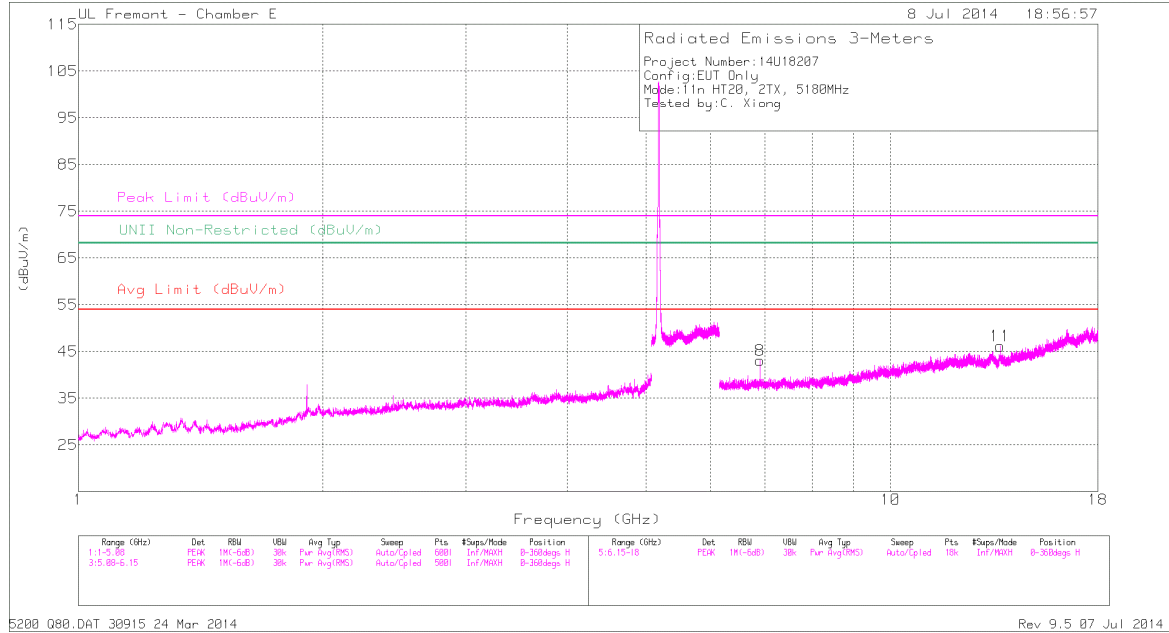
RESTRICTED BANDEDGE (LOW CHANNEL)



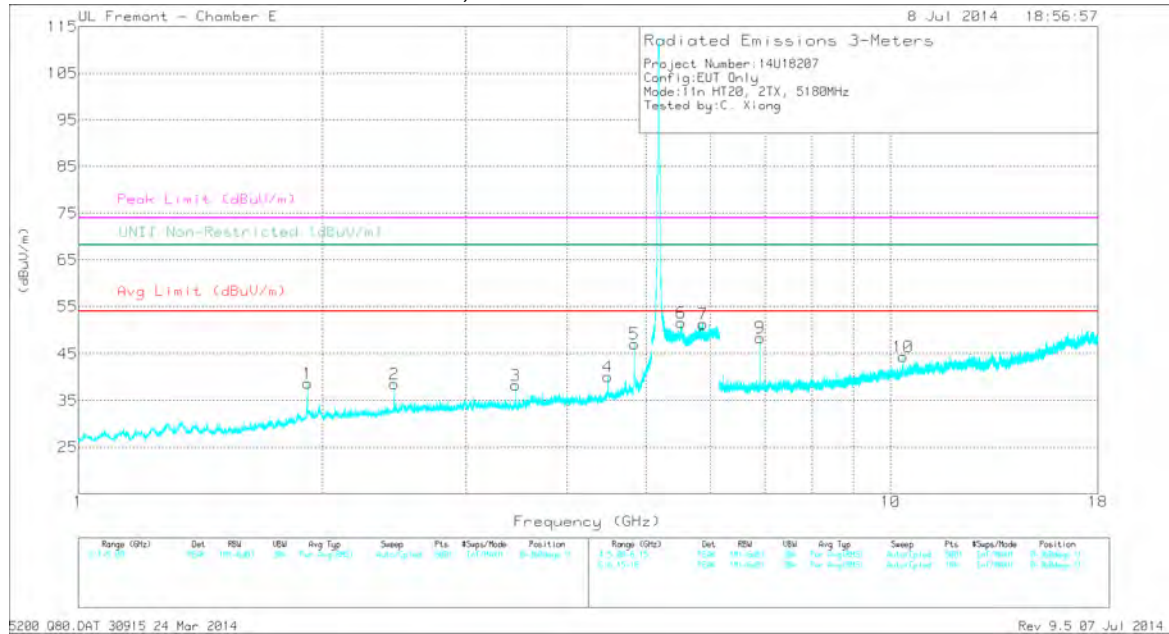


HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL PLOT, CH 36



LOW CHANNEL VERTICAL PLOT, CH 36



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Fitter/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	* 4.834	48.62	PK1	34.1	-30.3	52.42	-	-	74	-21.58	-	-	151	179	V
	* 4.835	42.35	AD1	34.1	-30.3	46.15	54	-7.85	-	-	-	-	151	179	V
1	1.917	42.78	PK1	31.1	-32.7	41.18	-	-	-	-	68.2	-27.02	236	102	V
2	2.446	42.48	PK1	32.2	-33	41.68	-	-	-	-	68.2	-26.52	200	346	V
3	3.453	45.31	PK1	32.8	-32.3	45.81	-	-	-	-	68.2	-22.39	76	260	V
4	4.489	44.91	PK1	33.9	-30.2	48.61	-	-	-	-	68.2	-19.59	157	200	V
6	5.526	45.47	PK1	34.6	-20.5	59.57	-	-	-	-	68.2	-8.63	124	192	V
7	5.878	44.84	PK1	35.1	-20.5	59.44	-	-	-	-	68.2	-8.76	114	200	V
8	6.907	42.53	PK1	35.9	-28.8	49.63	-	-	-	-	68.2	-18.57	35	194	H
9	6.907	46.46	PK1	35.9	-28.8	53.56	-	-	-	-	68.2	-14.64	102	171	V
10	10.364	41.34	PK1	37.3	-23.8	54.84	-	-	-	-	68.2	-13.36	63	150	V
11	13.641	38.35	PK1	38.8	-24.4	52.75	-	-	-	-	68.2	-15.45	210	215	H

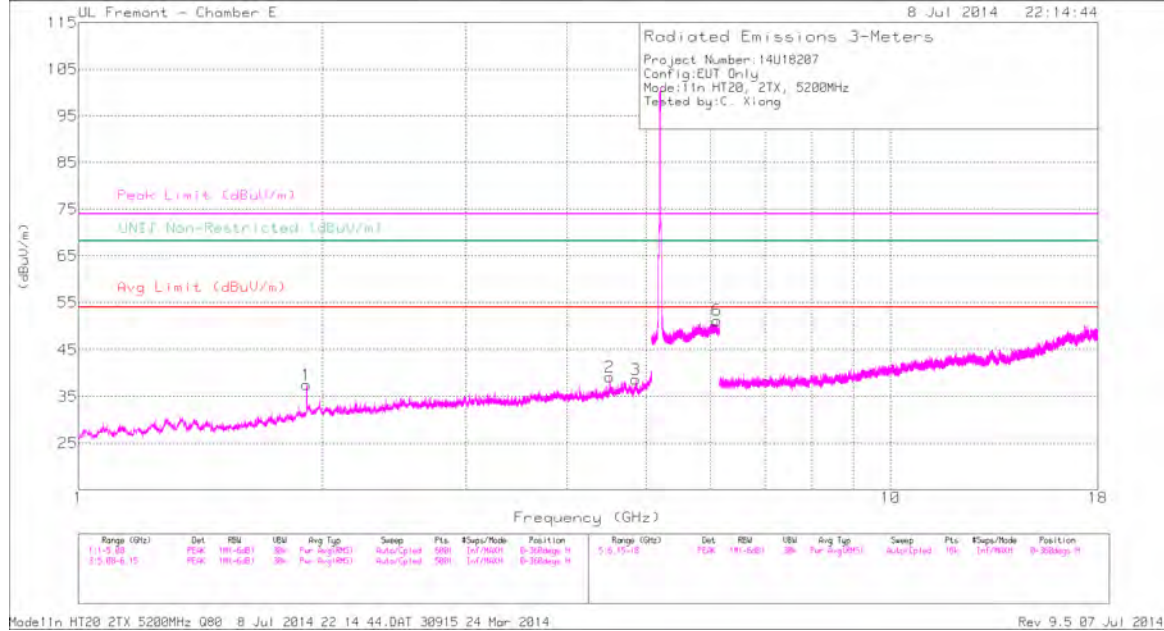
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

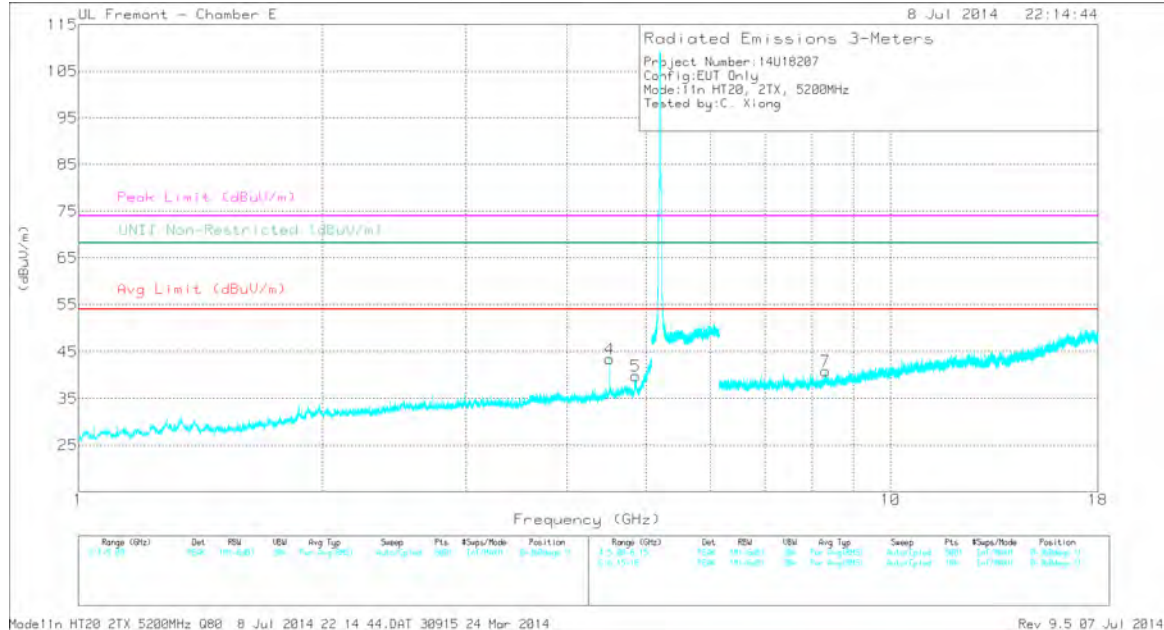
AD1 - KDB789033 Method: AD Primary Power Average

HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL HORIZONTAL PLOT, CH 40



MID CHANNEL VERTICAL PLOT, CH 40



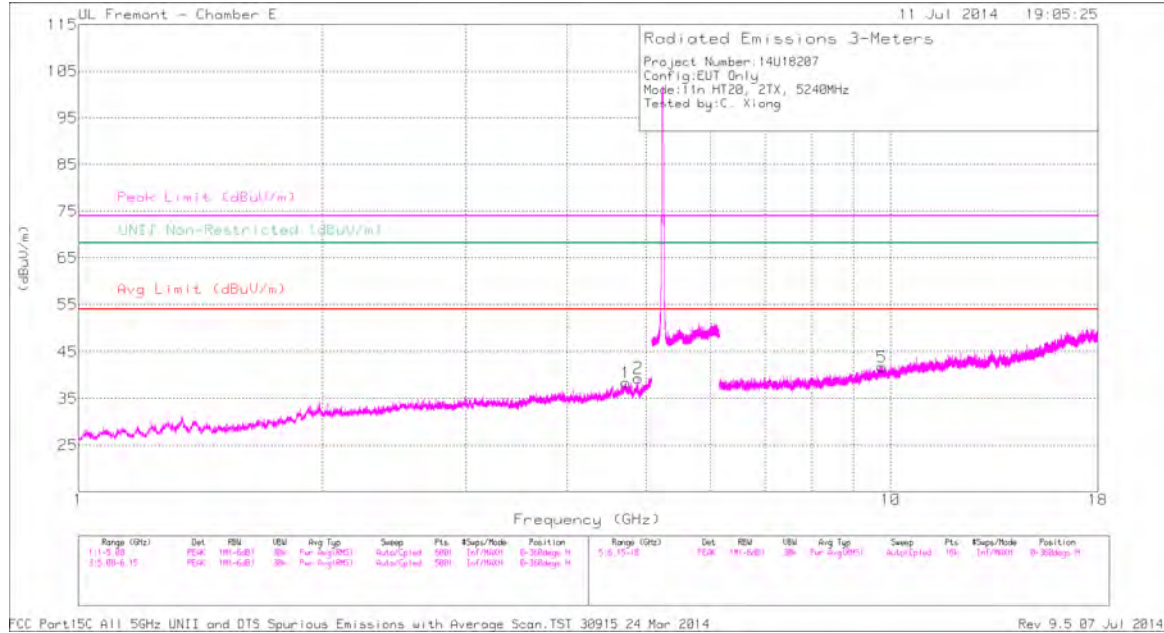
DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 4.506	43.02	PK1	33.9	-30	46.92	-	-	74	-27.08	-	-	351	114	H
	* 4.507	33.47	AD1	33.9	-30	37.37	54	-16.63	-	-	-	-	351	114	H
3	* 4.853	42.62	PK1	34.1	-30.5	46.22	-	-	74	-27.78	-	-	344	214	H
	* 4.853	31.12	AD1	34.1	-30.5	34.72	54	-19.28	-	-	-	-	344	214	H
4	* 4.506	45.6	PK1	33.9	-30	49.5	-	-	74	-24.5	-	-	332	199	V
	* 4.507	39.5	AD1	33.9	-30	43.4	54	-10.6	-	-	-	-	332	199	V
5	* 4.853	43.84	PK1	34.1	-30.5	47.44	-	-	74	-26.56	-	-	319	175	V
	* 4.853	34.43	AD1	34.1	-30.5	38.03	54	-15.97	-	-	-	-	319	175	V
7	* 8.312	38.89	PK1	35.9	-27.1	47.69	-	-	74	-26.31	-	-	34	201	V
	* 8.31	24.63	AD1	35.9	-27.1	33.43	54	-20.57	-	-	-	-	34	201	V
1	1.909	42.96	PK1	31.1	-32.9	41.16	-	-	-	-	68.2	-27.04	95	393	H
6	6.112	42.63	PK1	35.3	-20.3	57.63	-	-	-	-	68.2	-10.57	71	226	H

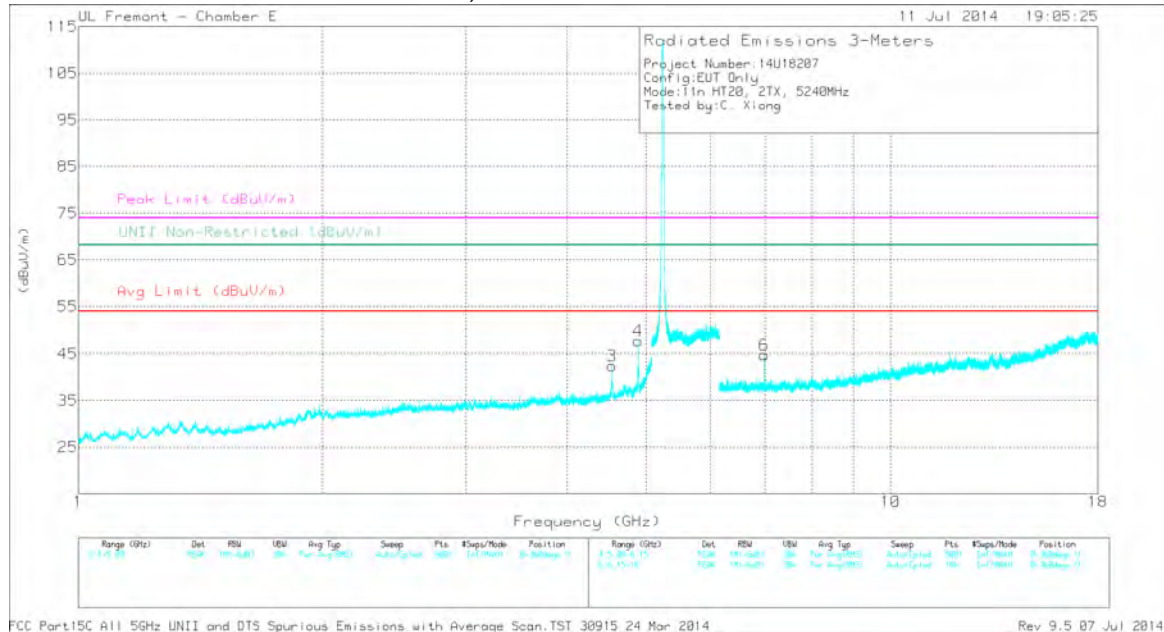
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK1 - KDB789033 Method: Peak
AD1 - KDB789033 Method: AD Primary Power Average

HARMONICS AND SPURIOUS EMISSIONS

HIGH CHANNEL HORIZONTAL PLOT, CH 48



HIGH CHANNEL VERTICAL PLOT, CH 48



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Fi tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.721	42.41	PK1	34.2	-30.5	46.11	-	-	74	-27.89	-	-	353	376	H
	* 4.72	30.89	AD1	34.2	-30.5	34.59	54	-19.41	-	-	-	-	353	376	H
2	* 4.89	44.87	PK1	34	-30.1	48.77	-	-	74	-25.23	-	-	138	285	H
	* 4.891	36.5	AD1	34	-30.1	40.4	54	-13.6	-	-	-	-	138	285	H
3	* 4.541	45.37	PK1	34	-30.6	48.77	-	-	74	-25.23	-	-	156	199	V
	* 4.541	37.51	AD1	34	-30.6	40.91	54	-13.09	-	-	-	-	156	199	V
4	* 4.89	49.99	PK1	34	-30.1	53.89	-	-	74	-20.11	-	-	156	177	V
	* 4.891	43.75	AD1	34	-30.1	47.65	54	-6.35	-	-	-	-	156	177	V
6	6.986	42.53	PK1	35.9	-28.3	50.13	-	-	-	-	68.2	-18.07	104	184	V
5	9.764	36.8	PK1	37.1	-24.9	49	-	-	-	-	68.2	-19.2	198	152	H

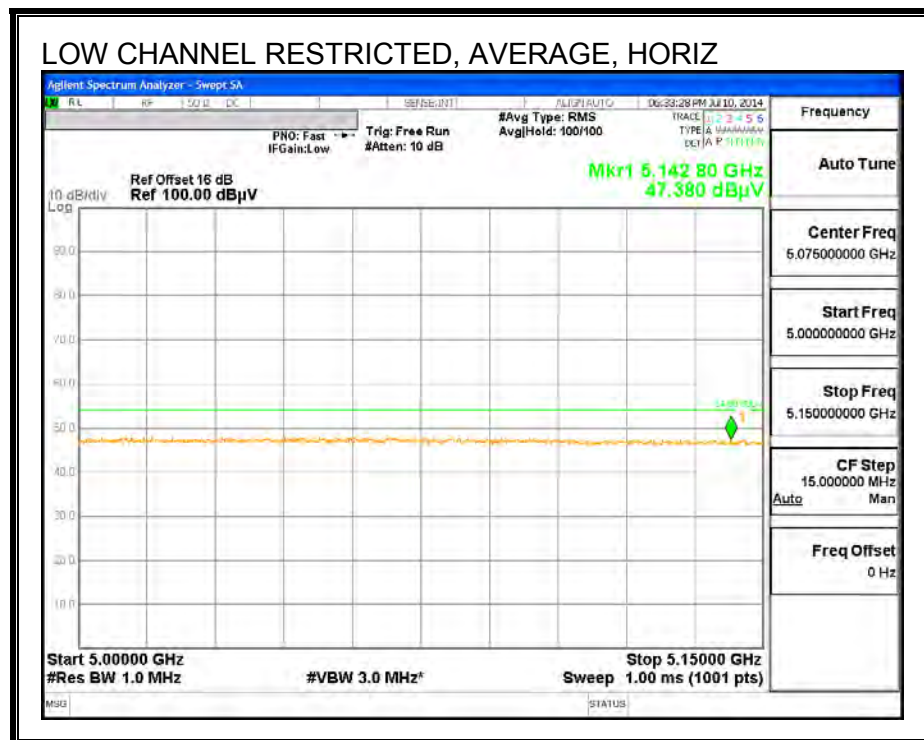
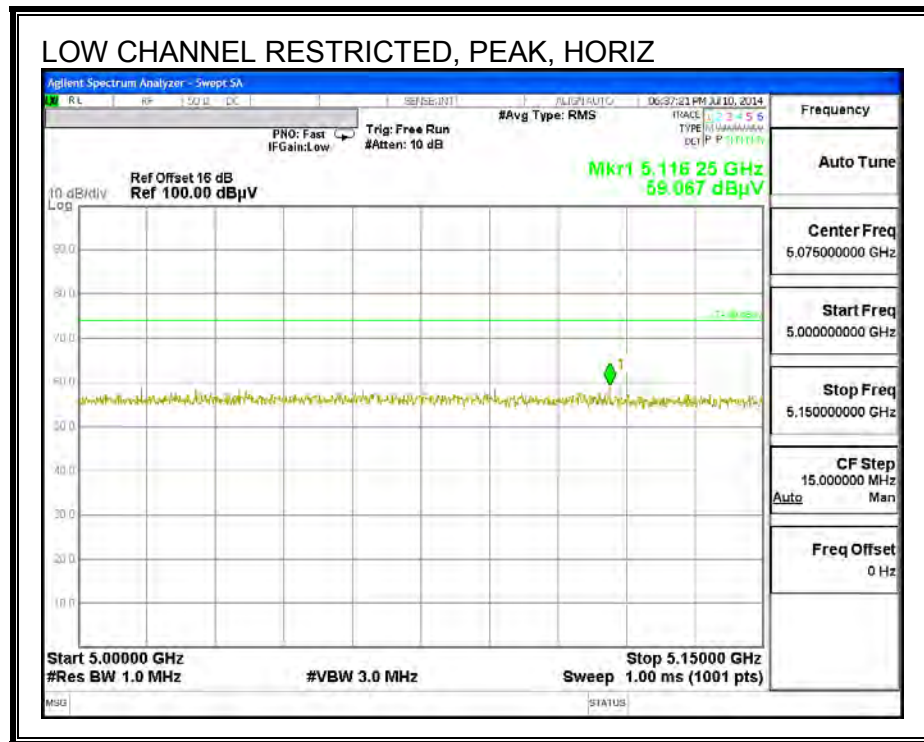
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

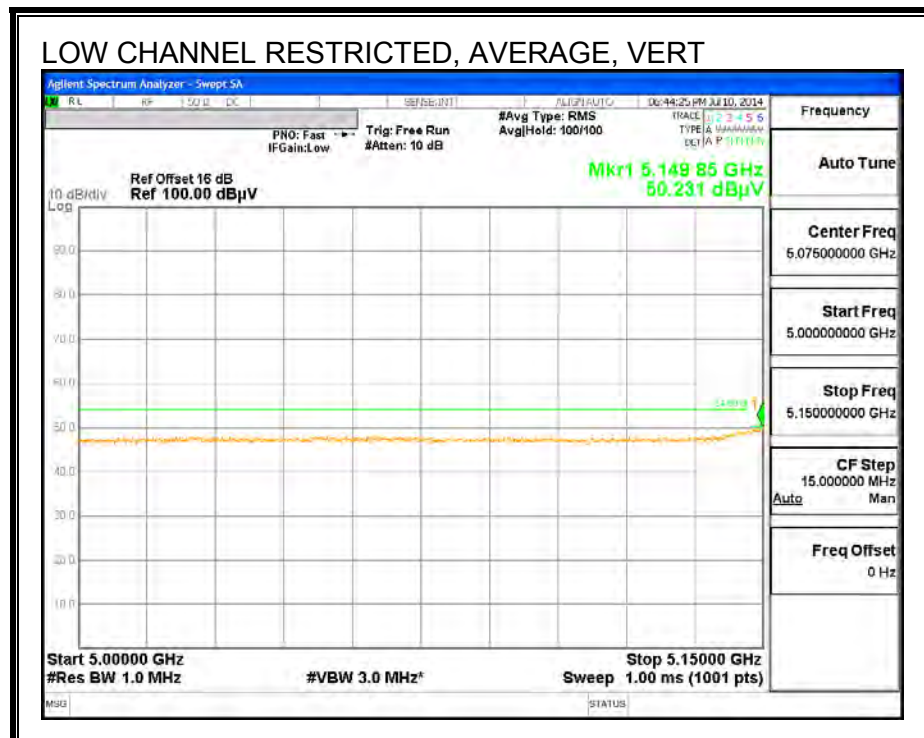
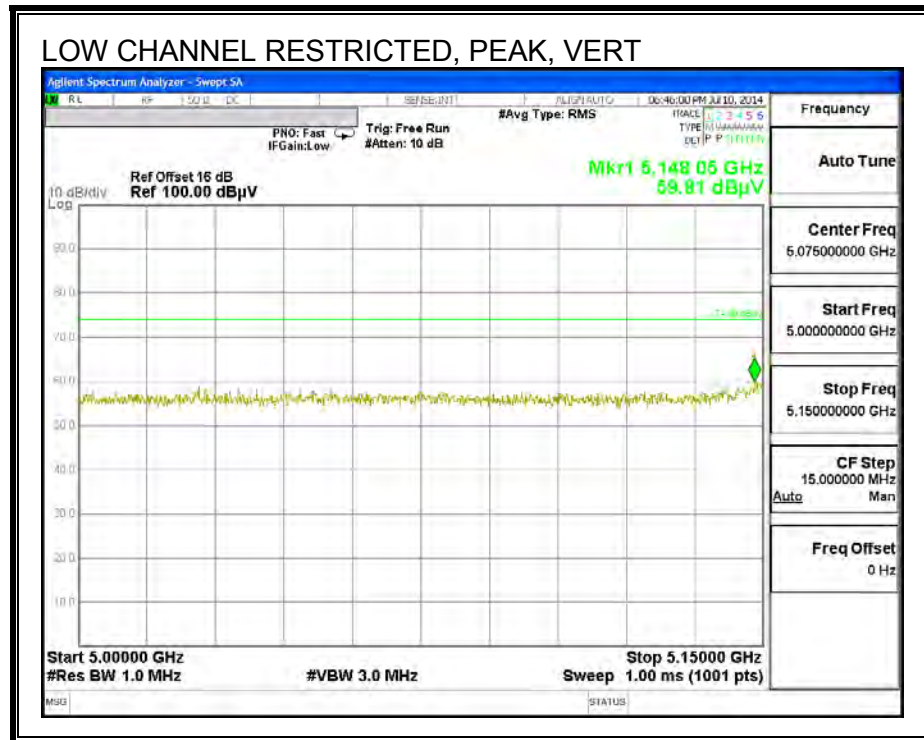
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

10.2.3. TX ABOVE 1 GHz 802.11n HT40 1TX MODE IN THE 5.2 GHz BAND

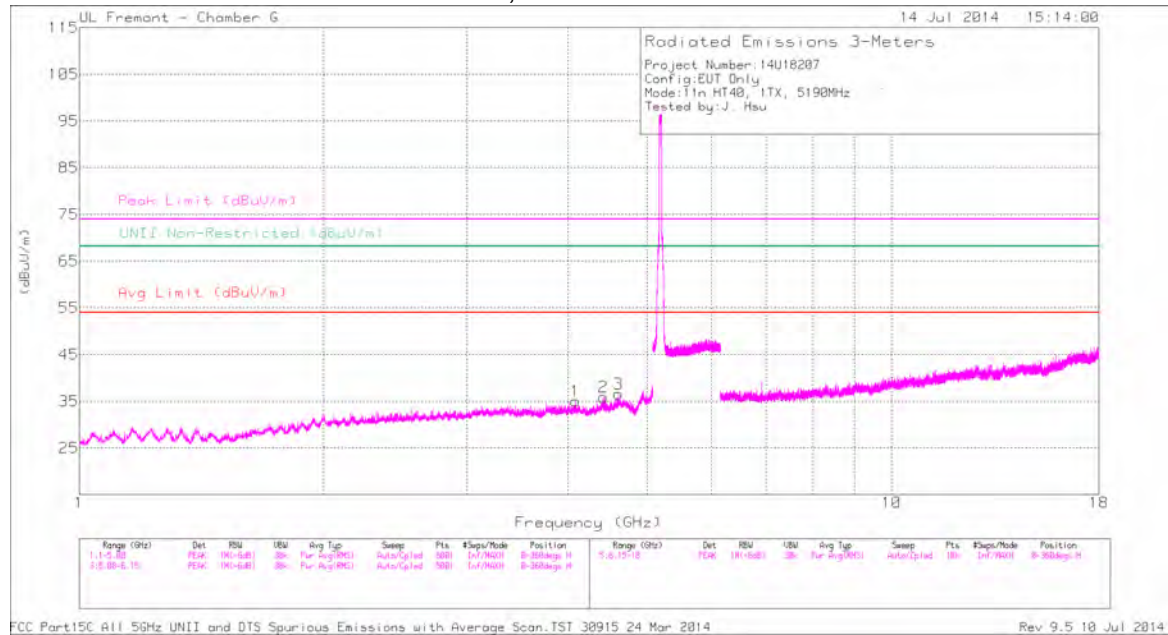
RESTRICTED BANDEDGE (LOW CHANNEL)



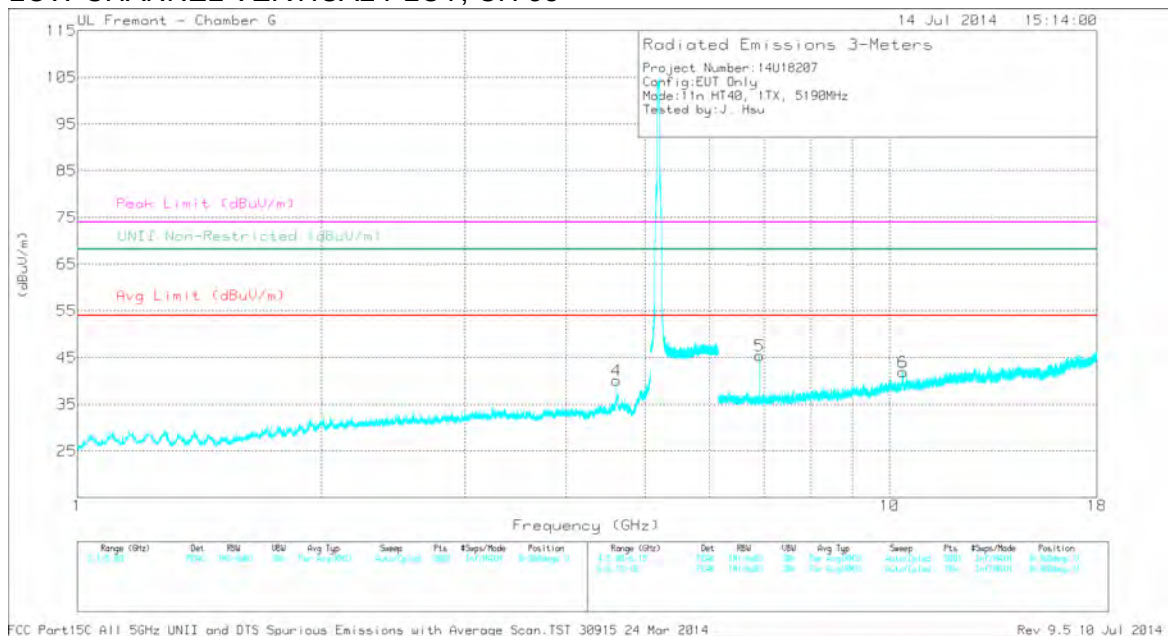


HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL PLOT, CH 38



LOW CHANNEL VERTICAL PLOT, CH 38



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.083	41.86	PK1	33.4	-33.5	41.76	-	-	74	-32.24	-	-	57	115	H
	* 4.083	30.79	AD1	33.4	-33.5	30.69	54	-23.31	-	-	-	-	57	115	H
3	* 4.614	41.57	PK1	33.9	-32.6	42.87	-	-	74	-31.13	-	-	182	178	H
	* 4.613	30.95	AD1	33.9	-32.6	32.25	54	-21.75	-	-	-	-	182	178	H
4	* 4.613	46.75	PK1	33.9	-32.6	48.05	-	-	74	-25.95	-	-	130	193	V
	* 4.613	38.65	AD1	33.9	-32.6	39.95	54	-14.05	-	-	-	-	130	193	V
5	4.417	41.51	PK1	33.6	-32.8	42.31	-	-	-	-	68.2	-25.89	112	142	H
2	6.92	46.14	PK1	35.6	-31.9	49.84	-	-	-	-	68.2	-18.36	79	172	V
6	10.387	36.87	PK1	37.6	-27.4	47.07	-	-	-	-	68.2	-21.13	134	148	V

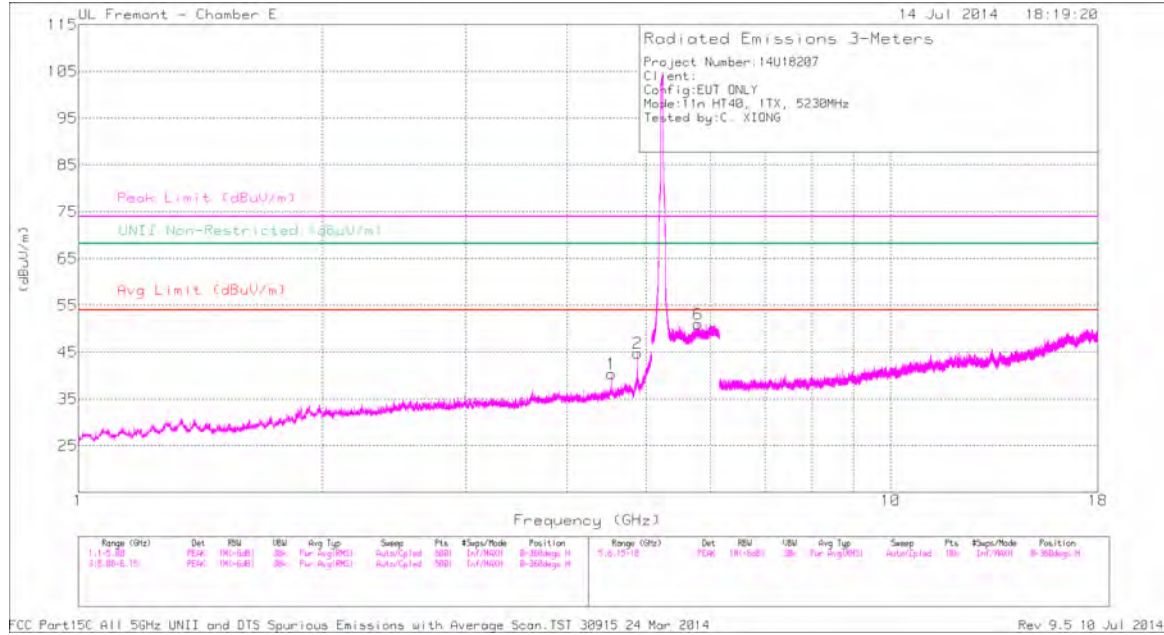
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

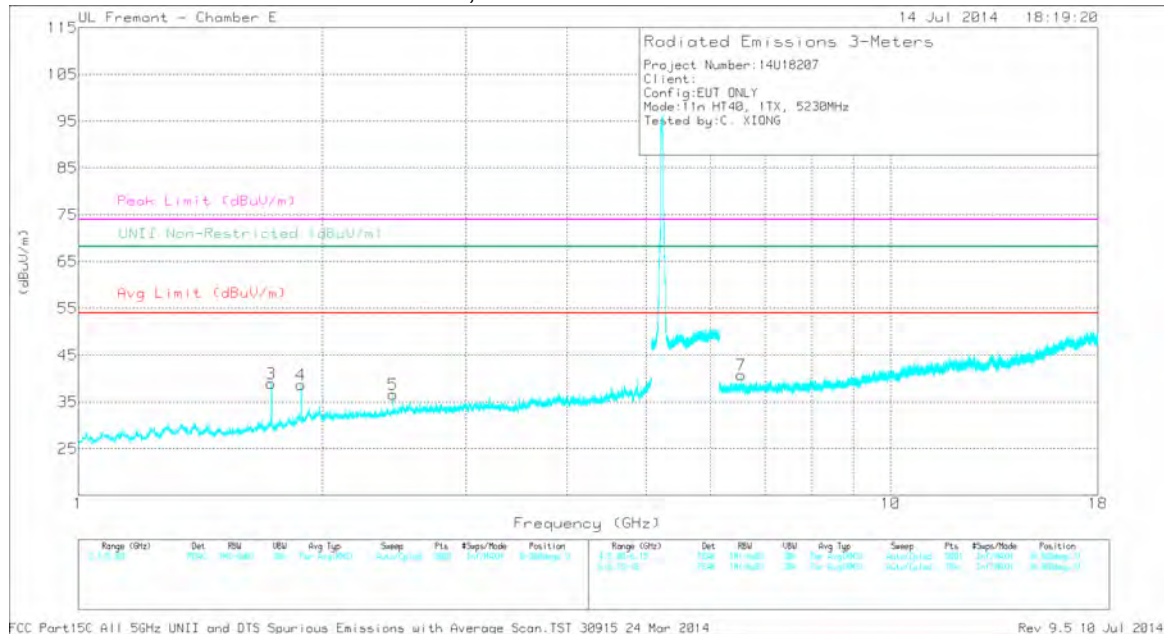
AD1 - KDB789033 Method: AD Primary Power Average

HARMONICS AND SPURIOUS EMISSIONS

HIGH CHANNEL HORIZONTAL PLOT, CH 46



HIGH CHANNEL VERTICAL PLOT, CH 46



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.533	44.13	PK1	34	-30.5	47.63	-	-	74	-26.37	-	-	340	124	H
	* 4.533	34.65	AD1	34	-30.5	38.15	54	-15.85	-	-	-	-	340	124	H
2	* 4.881	46.46	PK1	34	-30.2	50.26	-	-	74	-23.74	-	-	331	104	H
	* 4.881	39.41	AD1	34	-30.2	43.21	54	-10.79	-	-	-	-	331	104	H
3	1.727	43.2	PK1	29.4	-33.8	38.8	-	-	-	-	68.2	-29.4	116	145	V
4	1.878	42.86	PK1	30.9	-33.5	40.26	-	-	-	-	68.2	-27.94	305	306	V
5	2.438	43.3	PK1	32.2	-33.1	42.4	-	-	-	-	68.2	-25.8	49	241	V
6	5.796	43.55	PK1	34.9	-20.6	57.85	-	-	-	-	68.2	-10.35	98	350	H
7	6.539	38.94	PK1	35.7	-27.6	47.04	-	-	-	-	68.2	-21.16	122	199	V

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

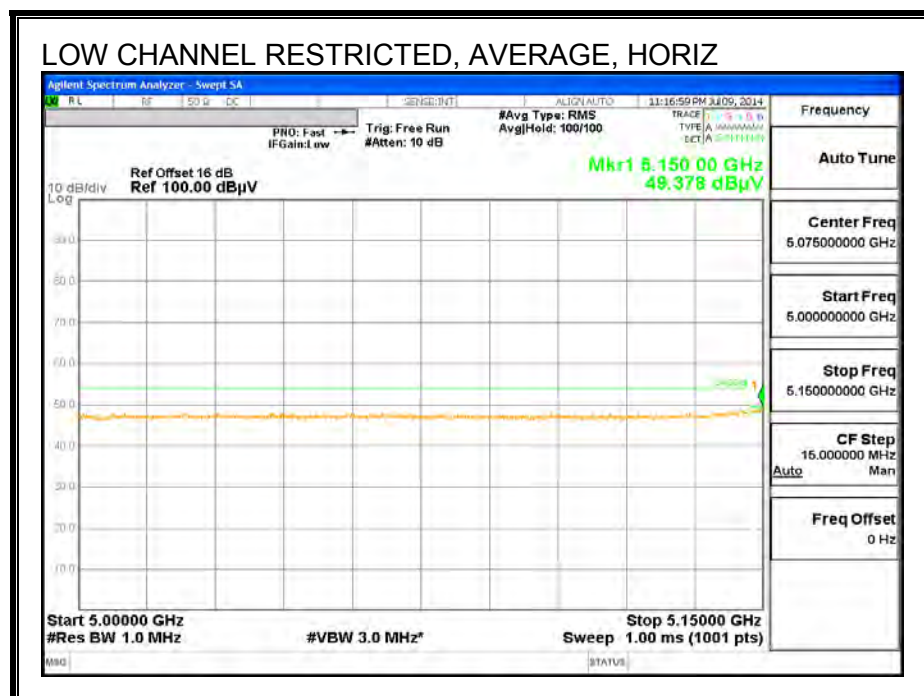
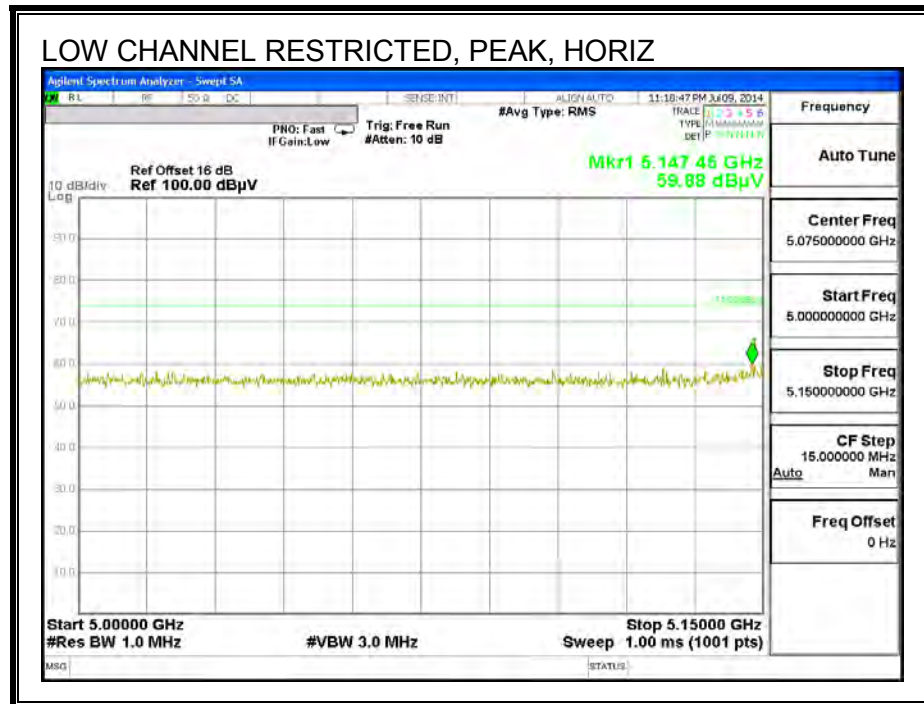
PK1 - KDB789033 Method: Peak

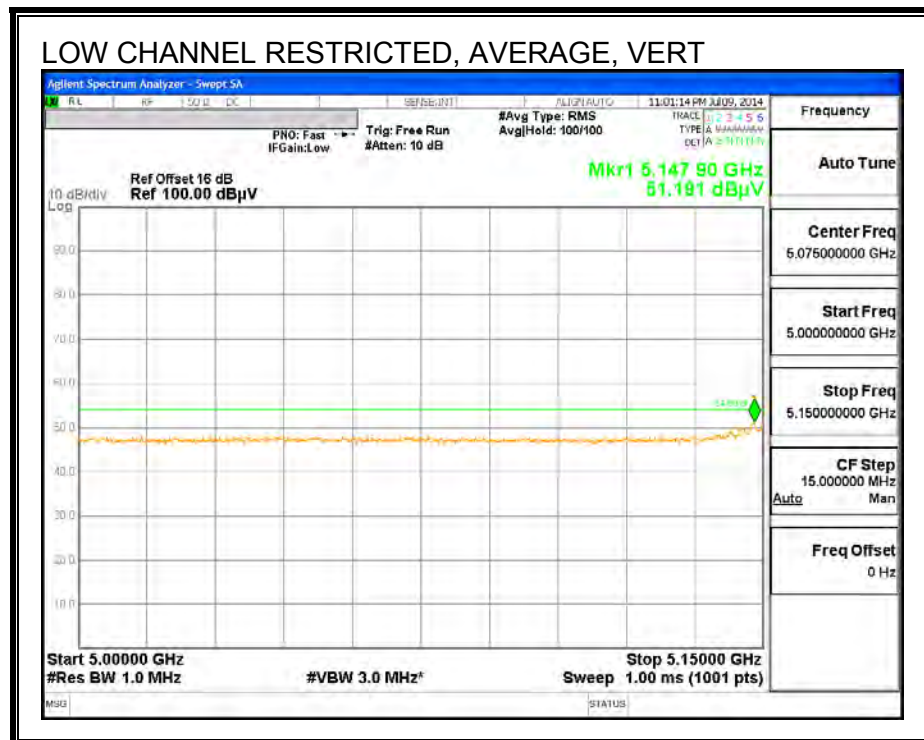
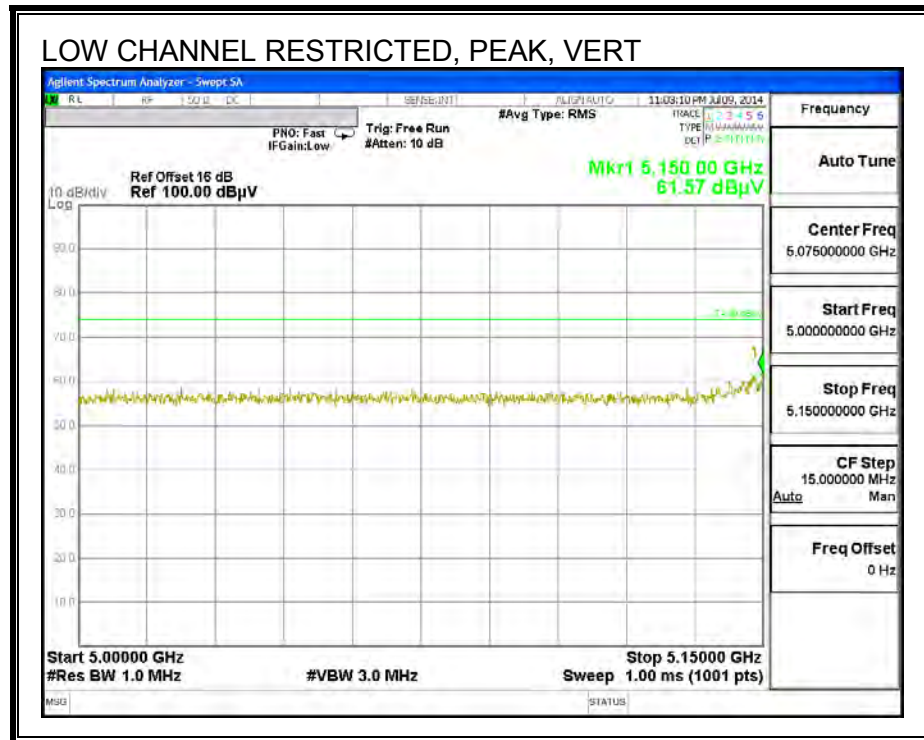
AD1 - KDB789033 Method: AD Primary Power Average

10.2.4. TX ABOVE 1 GHz 802.11n HT40 CDD 2TX MODE IN THE 5.2 GHz BAND

All radiated tests for 802.11n HT40 were conducted with CDD mode at the elevated power of STBC mode. This configuration is considered representative of both modes.

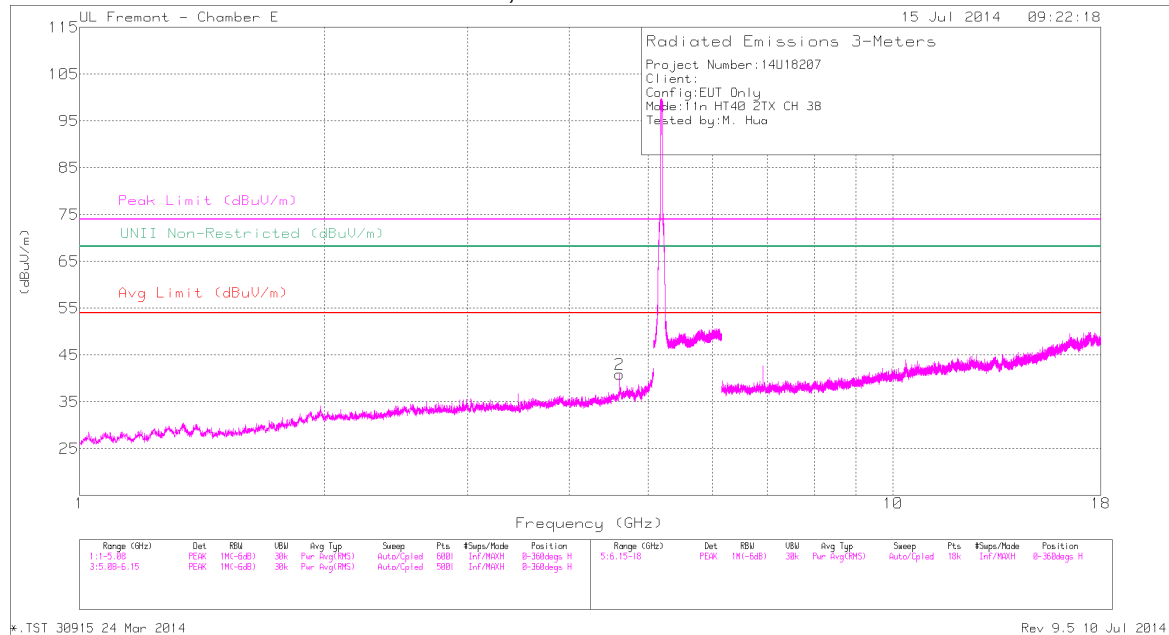
RESTRICTED BANDEDGE (LOW CHANNEL)



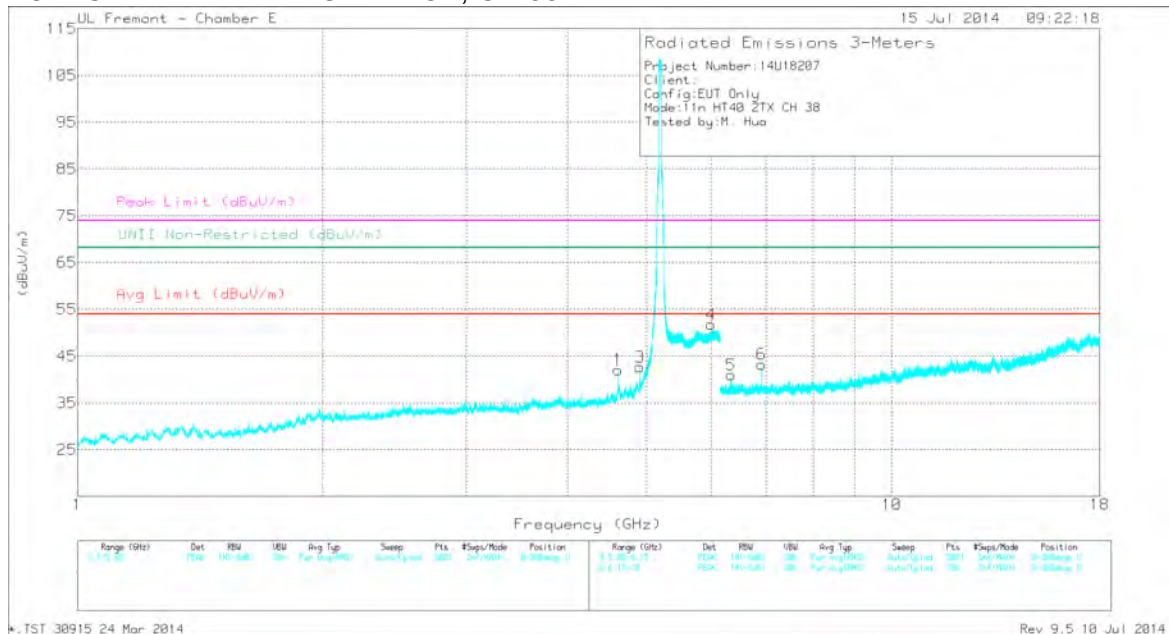


HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL PLOT, CH 38



LOW CHANNEL VERTICAL PLOT, CH 38



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 4.613	43.63	PK1	34.1	-30.6	47.13	-	-	74	-26.87	-	-	314	358	H
	* 4.613	35.95	AD1	34.1	-30.6	39.45	54	-14.55	-	-	-	-	314	358	H
1	* 4.613	45.31	PK1	34.1	-30.6	48.81	-	-	74	-25.19	-	-	330	163	V
	* 4.613	38.36	AD1	34.1	-30.6	41.86	54	-12.14	-	-	-	-	330	163	V
3	* 4.901	45.94	PK1	34	-29.7	50.24	-	-	74	-23.76	-	-	324	330	V
	* 4.902	36.62	AD1	34	-29.7	40.92	54	-13.08	-	-	-	-	324	330	V
4	6.003	42.73	PK1	35.3	-20.5	57.53	-	-	-	-	68.2	-10.67	169	375	V
5	6.343	41.49	PK1	35.5	-28.9	48.09	-	-	-	-	68.2	-20.11	360	145	V
6	6.92	42.47	PK1	35.9	-28.4	49.97	-	-	-	-	68.2	-18.23	321	110	V

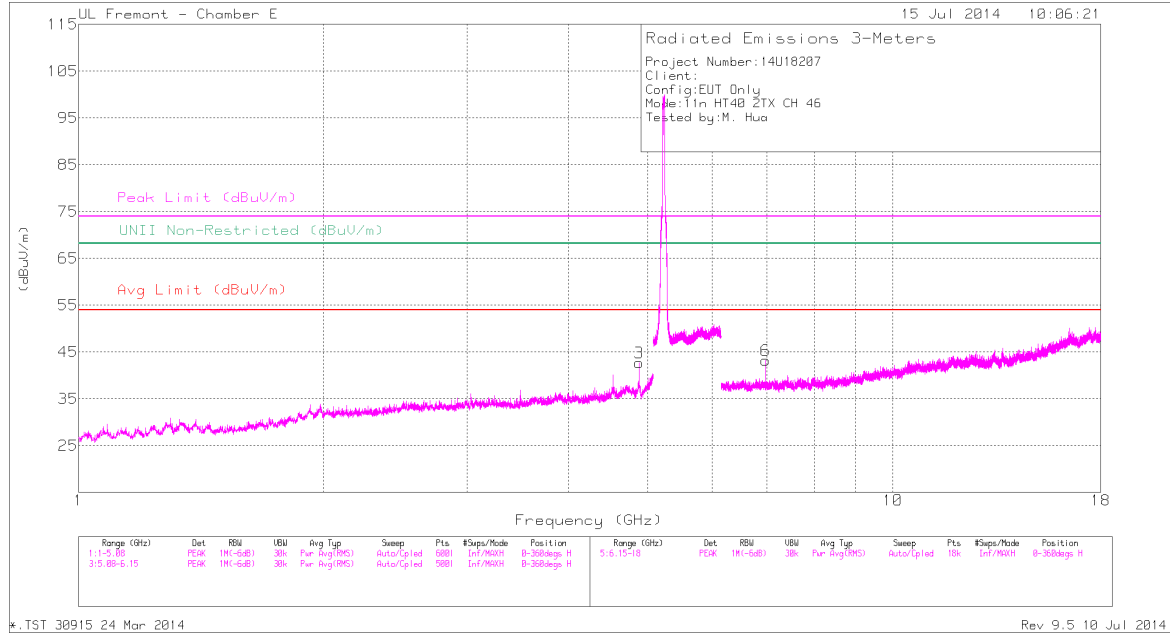
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

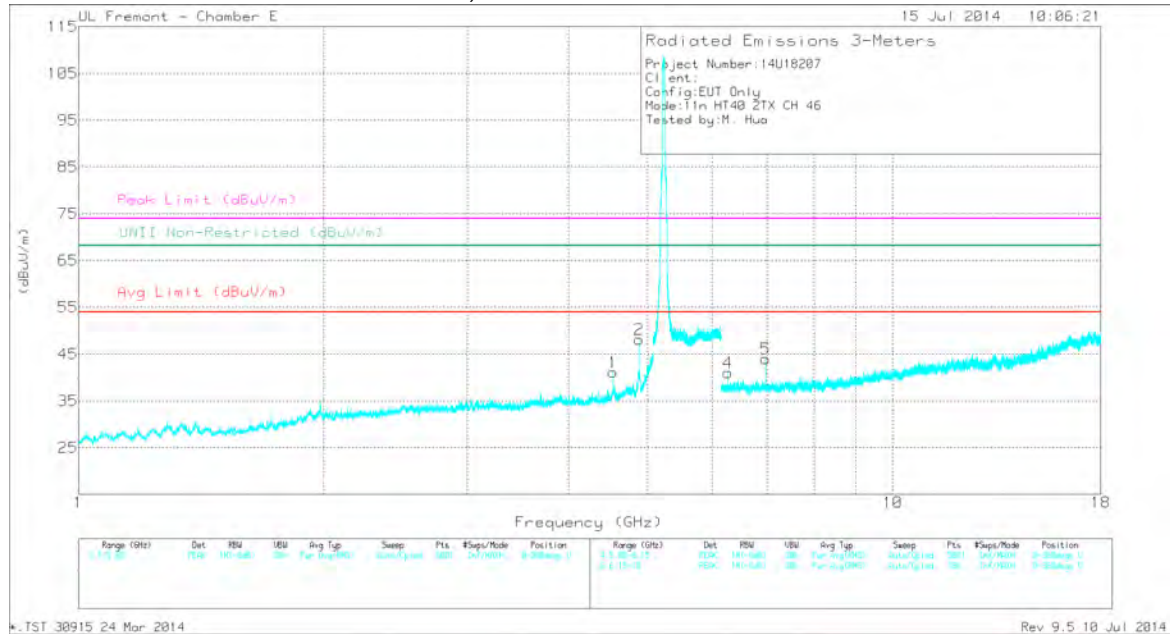
AD1 - KDB789033 Method: AD Primary Power Average

HARMONICS AND SPURIOUS EMISSIONS

HIGH CHANNEL HORIZONTAL PLOT, CH 46



HIGH CHANNEL VERTICAL PLOT, CH 46



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* 4.882	43.57	PK1	34	-30.2	47.37	-	-	74	-26.63	-	-	3	209	H
	* 4.881	34.95	AD1	34	-30.2	38.75	54	-15.25	-	-	-	-	3	209	H
1	* 4.532	44.07	PK1	34	-30.5	47.57	-	-	74	-26.43	-	-	336	132	V
	* 4.533	36.43	AD1	34	-30.5	39.93	54	-14.07	-	-	-	-	336	132	V
2	* 4.881	49.58	PK1	34	-30.2	53.38	-	-	74	-20.62	-	-	335	108	V
	* 4.881	44.15	AD1	34	-30.2	47.95	54	-6.05	-	-	-	-	335	108	V
4	6.276	41.36	PK1	35.5	-29.4	47.46	-	-	-	-	68.2	-20.74	360	154	V
5	6.973	41.95	PK1	35.9	-28.3	49.55	-	-	-	-	68.2	-18.65	275	101	H
6	6.973	40.97	PK1	35.9	-28.3	48.57	-	-	-	-	68.2	-19.63	327	148	V

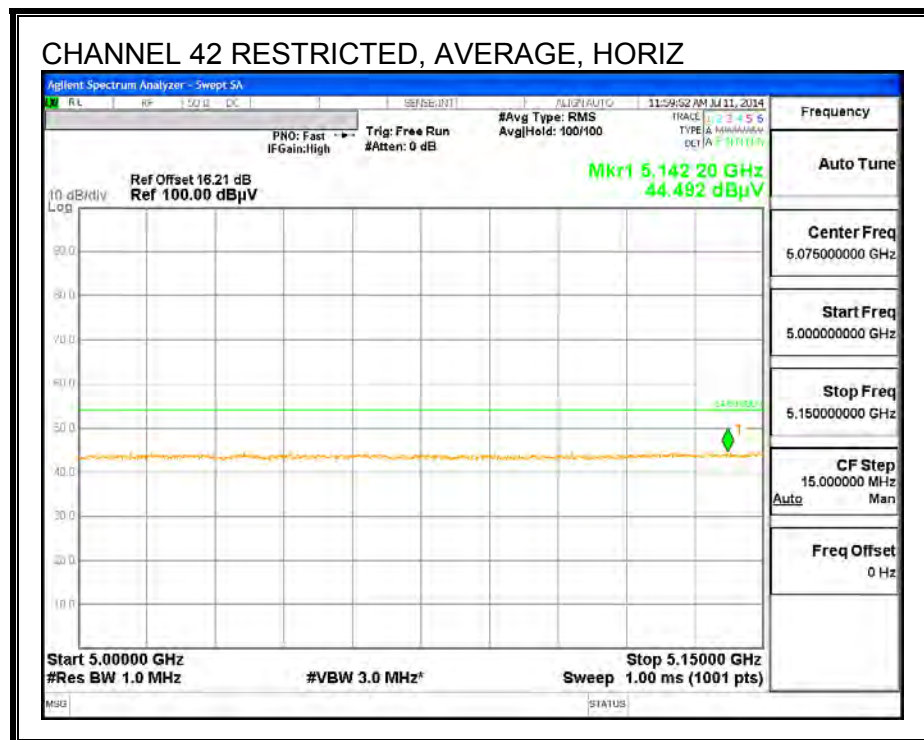
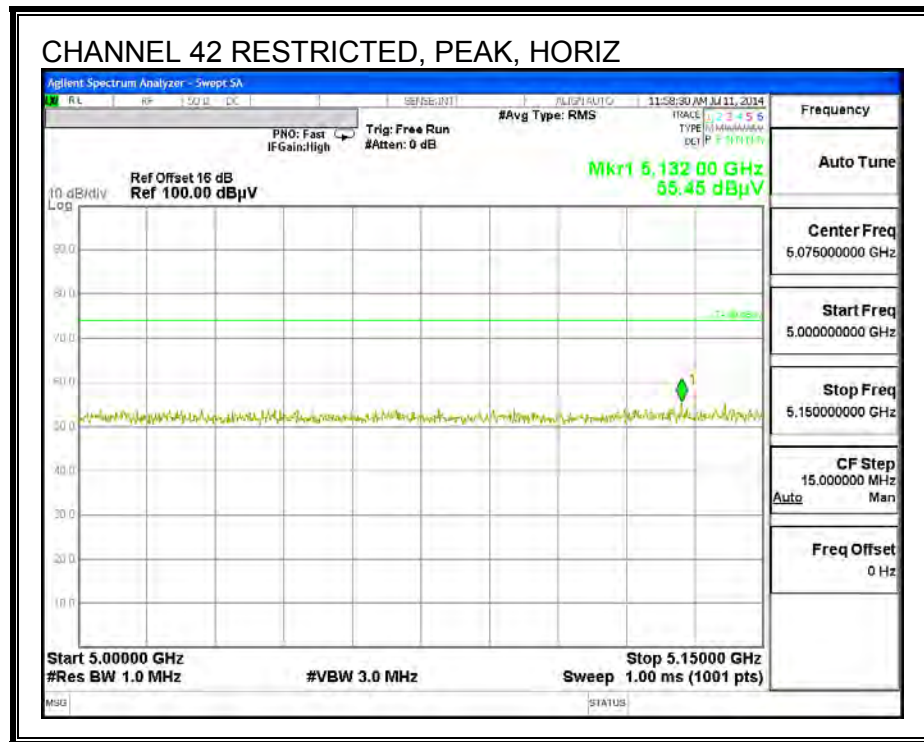
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

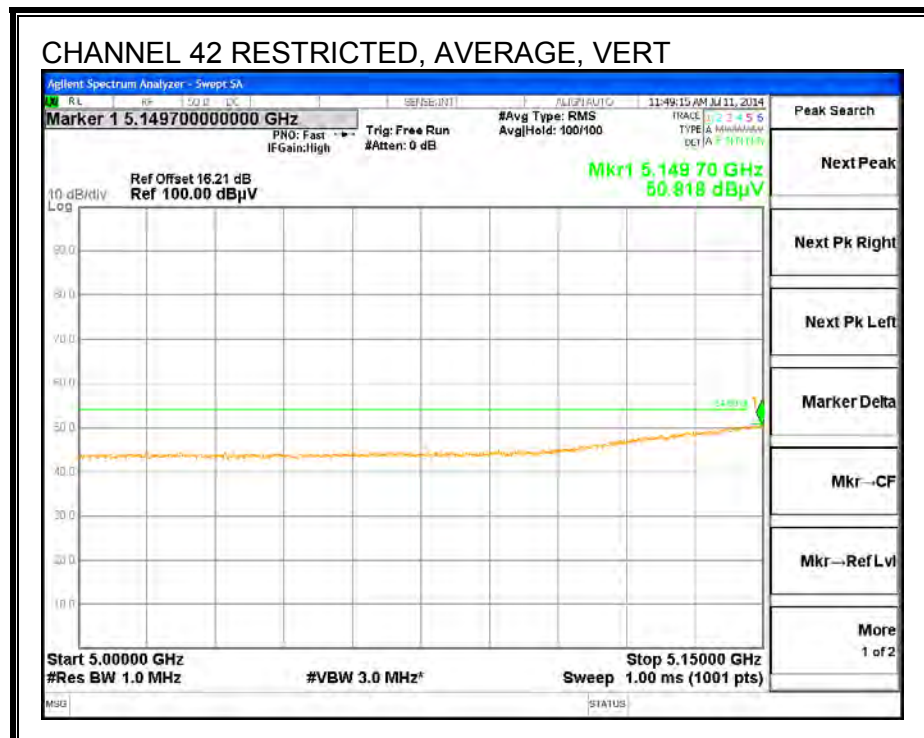
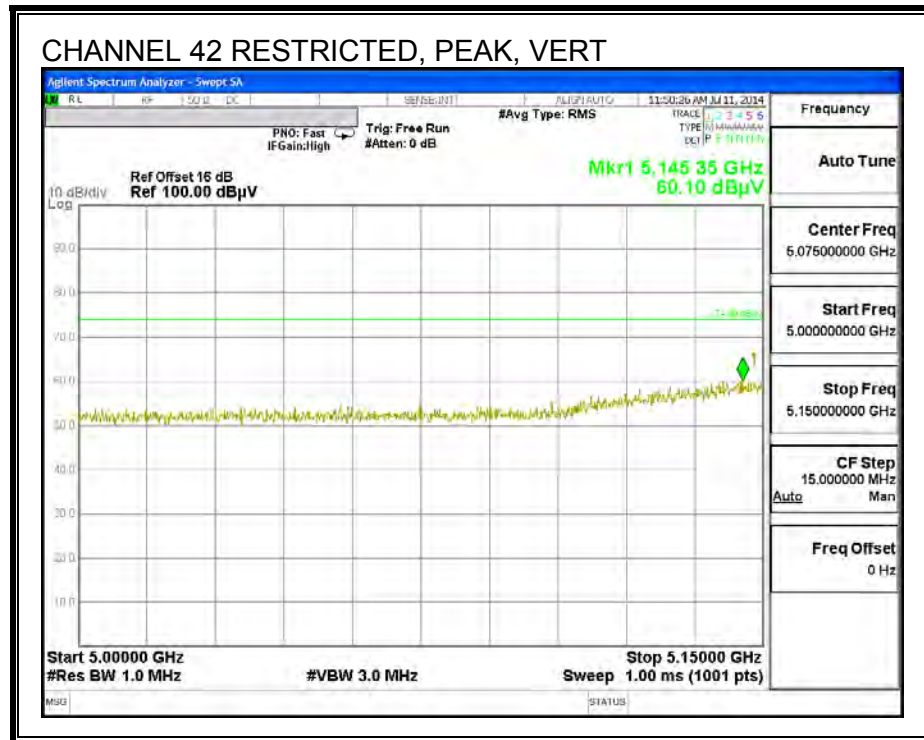
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

10.2.5. TX ABOVE 1G 802.11ac 80MHz 1TX MODE IN THE 5.2 GHz BAND

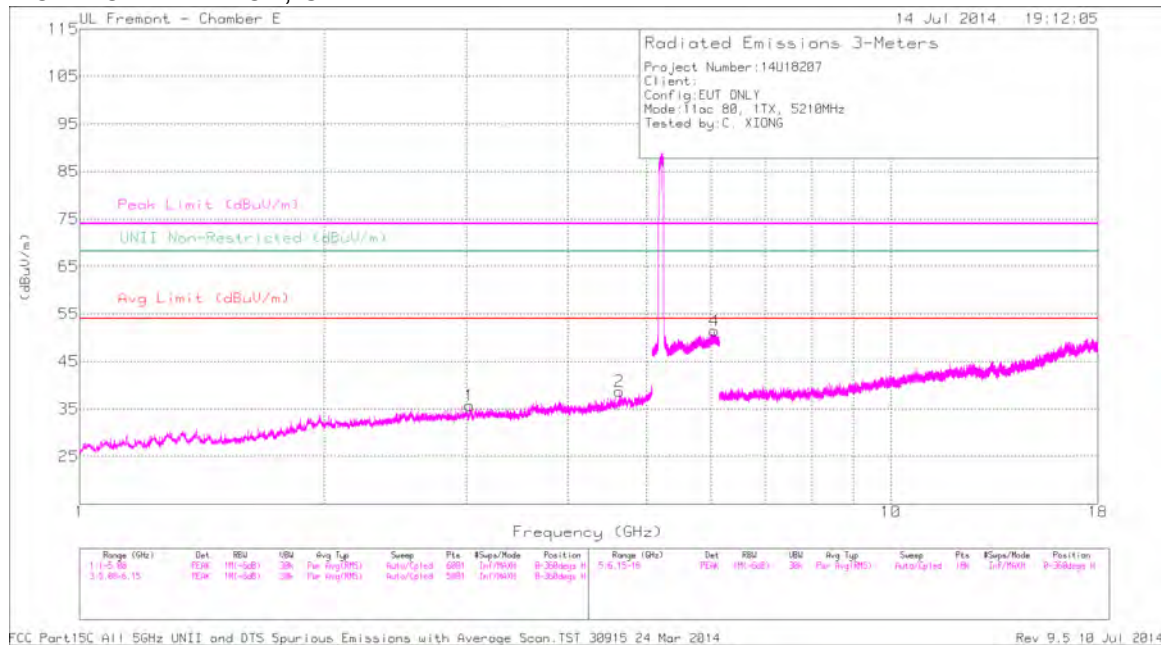
RESTRICTED BANDEDGE (CHANNEL, CH 42)



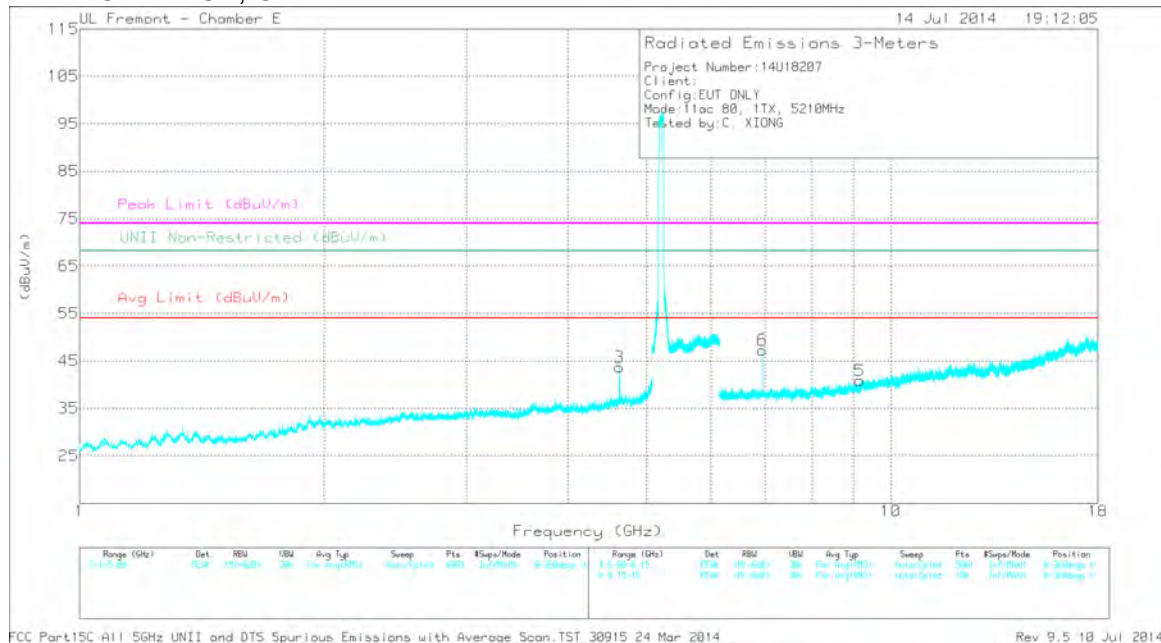


HARMONICS AND SPURIOUS EMISSIONS

HORIZONTAL PLOT, CH 42



VERTICAL PLOT, CH 42



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 4.631	42.81	PK1	34.1	-30.2	0	46.71	-	-	74	-27.29	-	-	291	356	H
	* 4.631	34.21	AD1	34.1	-30.2	.21	38.32	54	-15.68	-	-	-	-	291	356	H
3	* 4.631	44.08	PK1	34.1	-30.2	0	47.98	-	-	74	-26.02	-	-	141	213	V
	* 4.631	38.45	AD1	34.1	-30.2	.21	42.56	54	-11.44	-	-	-	-	141	213	V
5	* 9.157	37.2	PK1	36.5	-26.2	0	47.5	-	-	74	-26.5	-	-	185	184	V
1	3.031	42.5	PK1	32.8	-31.9	0	43.4	-	-	-	-	68.2	-24.8	315	160	H
4	6.059	43.92	PK1	35.3	-20.4	0	58.82	-	-	-	-	68.2	-9.38	305	332	H
6	6.947	44.1	PK1	35.9	-28.4	0	51.6	-	-	-	-	68.2	-16.6	101	171	V

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

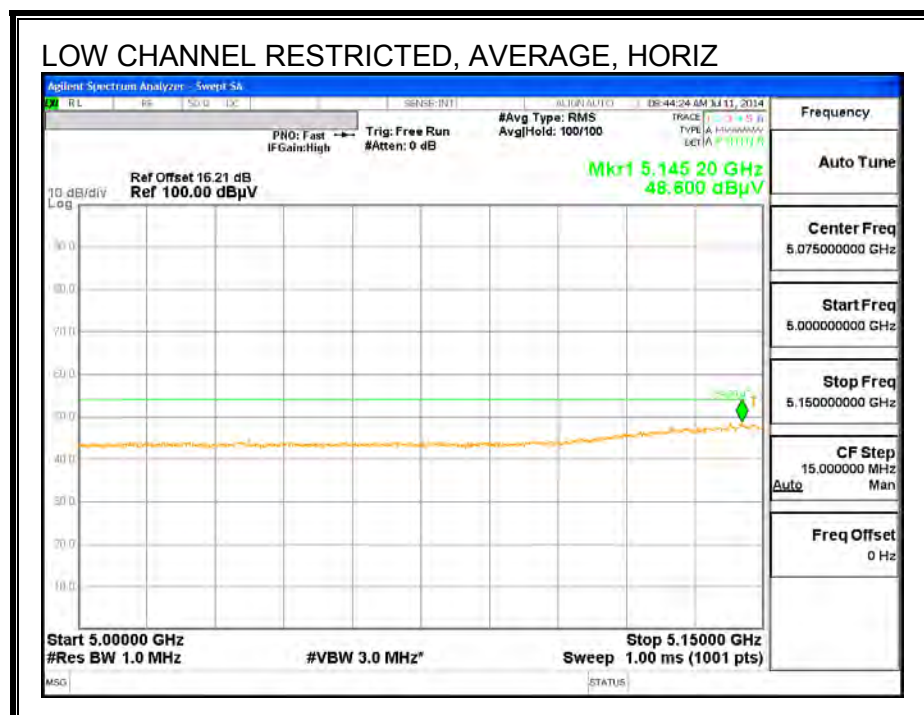
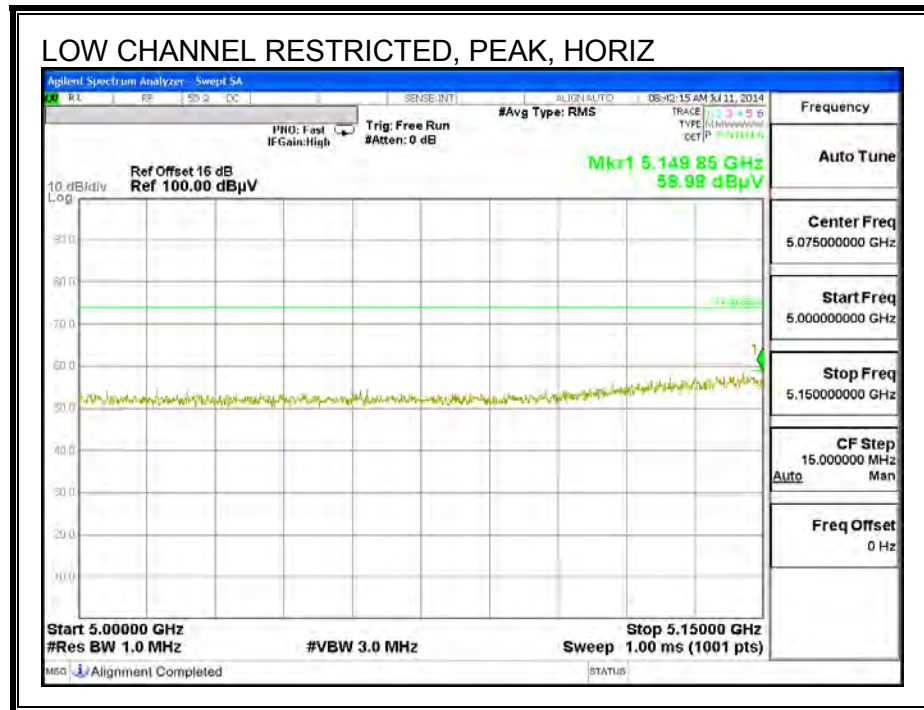
PK1 - KDB789033 Method: Peak

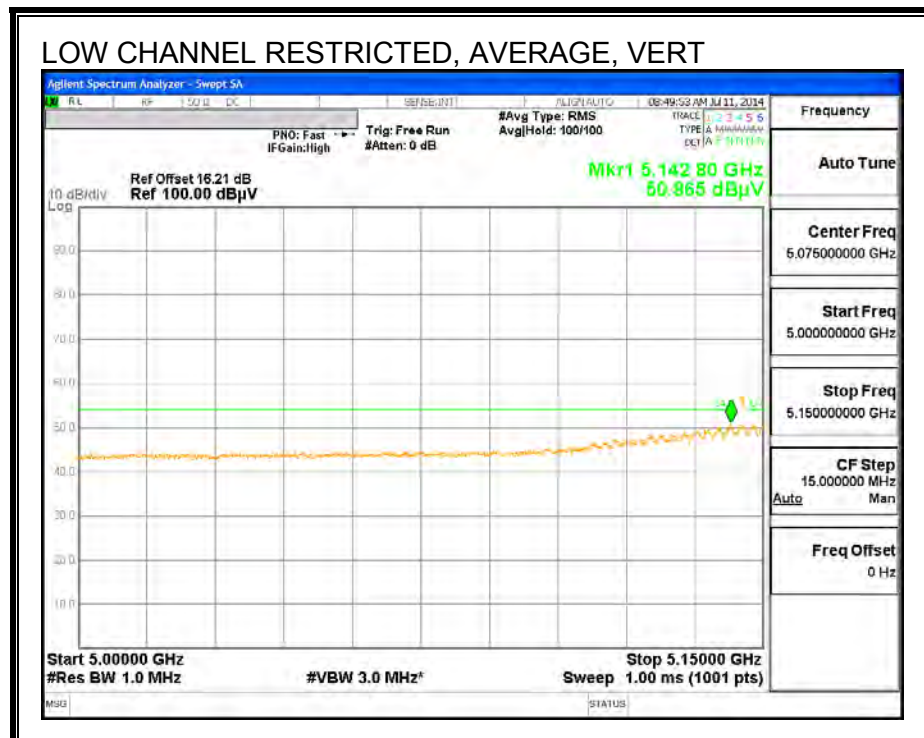
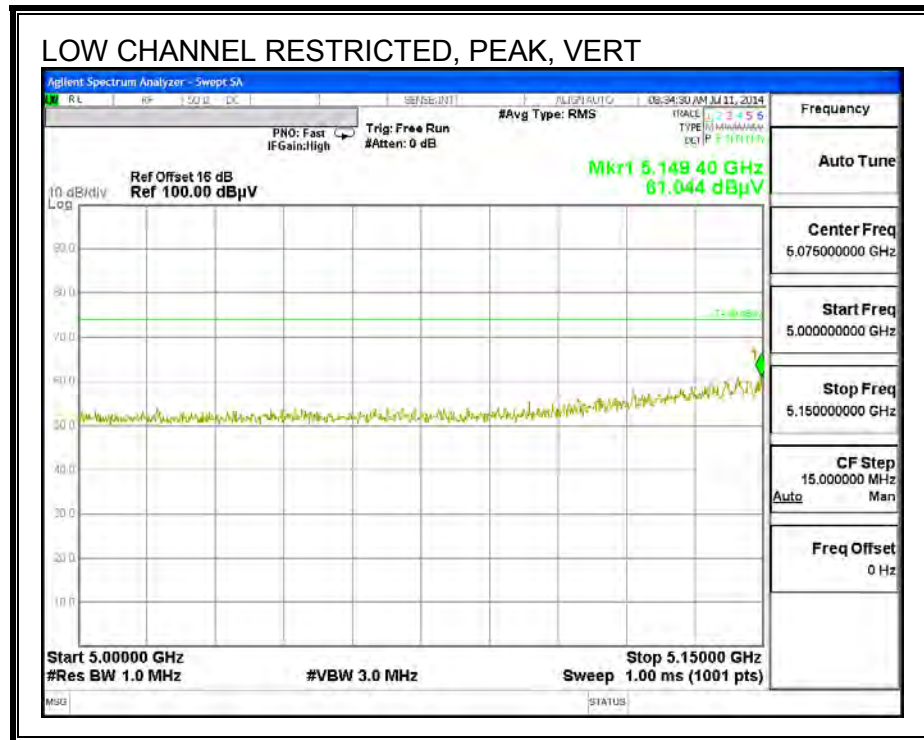
AD1 - KDB789033 Method: AD Primary Power Average

10.2.6. TX ABOVE 1G 802.11ac 80MHz 2TX MODE IN THE 5.2 GHz BAND

All radiated tests for 802.11ac VHT80 were conducted with CDD mode at the elevated power of STBC mode. This configuration is considered representative of both modes.

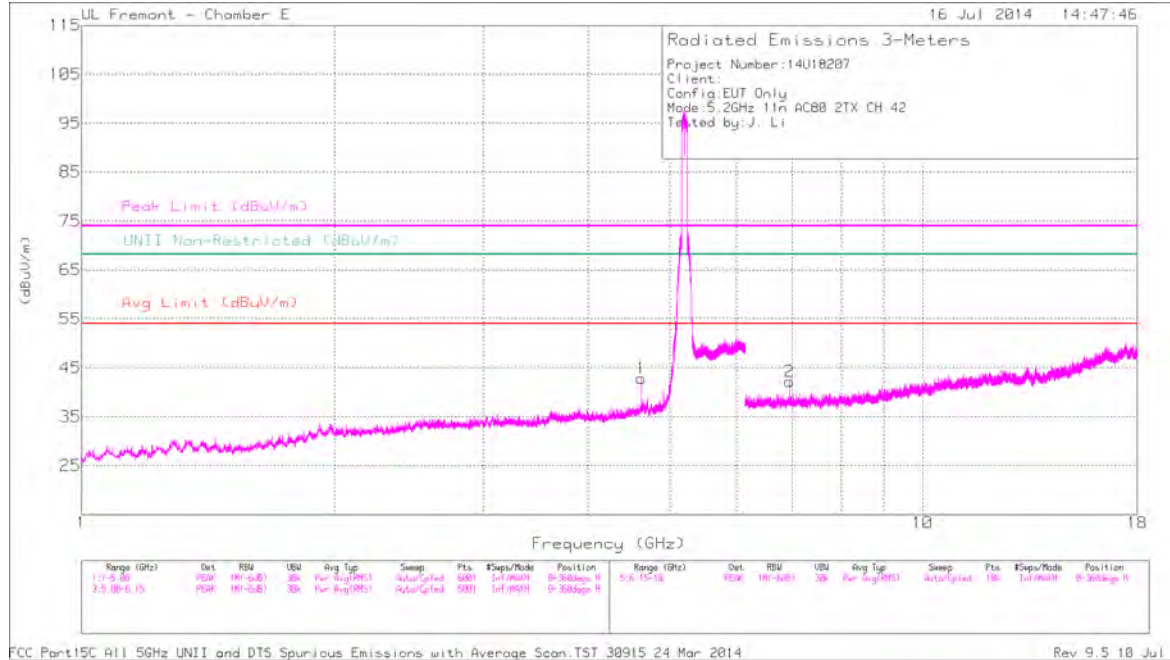
RESTRICTED BANDEDGE (LOW CHANNEL, CH 42)



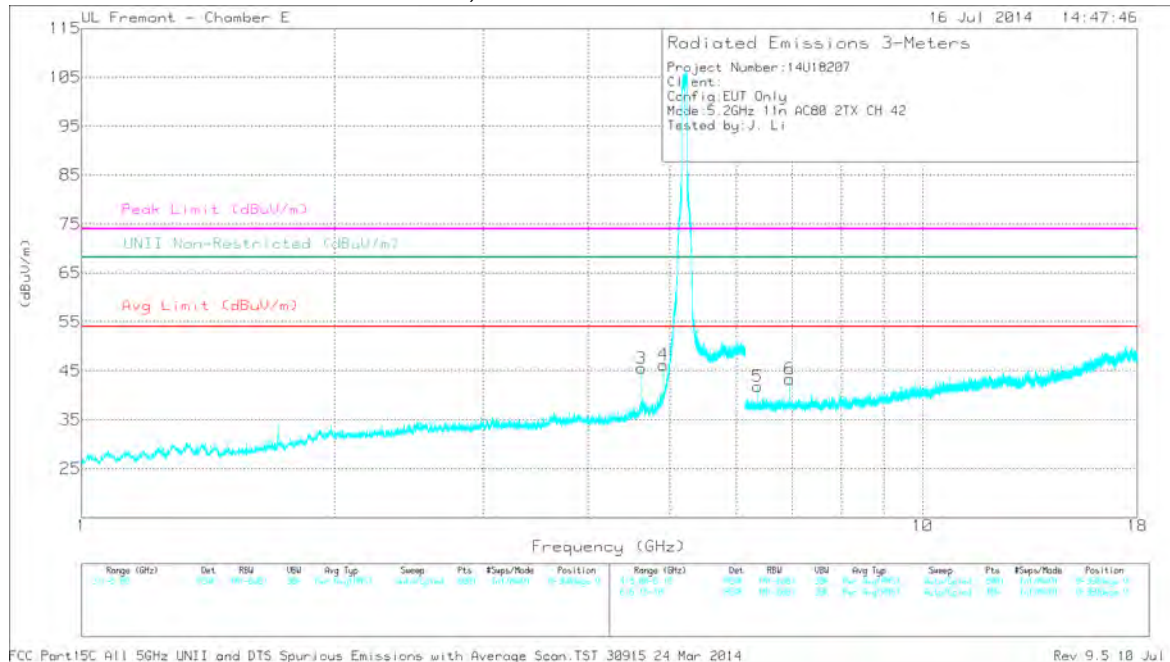


HARMONICS AND SPURIOUS EMISSIONS

HIGH CHANNEL HORIZONTAL PLOT, CH 42



HIGH CHANNEL VERTICAL PLOT, CH 42



DATA

Radiated Emissions

	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Chl/Fit r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.631	45.89	PK1	34.1	-30.2	0	49.79	-	-	74	-24.21	-	-	139	247	H
	* 4.631	39.24	AD1	34.1	-30.2	.21	43.35	54	-10.65	-	-	-	-	139	247	H
3	* 4.631	47.23	PK1	34.1	-30.2	0	51.13	-	-	74	-22.87	-	-	155	143	V
	* 4.631	41.86	AD1	34.1	-30.2	.21	45.97	54	-8.03	-	-	-	-	155	143	V
4	* 4.921	47.02	PK1	34.1	-29.8	0	51.32	-	-	74	-22.68	-	-	168	108	V
	* 4.921	38.28	AD1	34.1	-29.8	.21	42.79	54	-11.21	-	-	-	-	168	108	V
5	6.368	41.91	PK1	35.6	-28.7	0	48.81	-	-	-	-	68.2	-19.39	191	140	V
2	6.947	42.15	PK1	35.9	-28.4	0	49.65	-	-	-	-	68.2	-18.55	94	101	H
6	6.947	42.1	PK1	35.9	-28.4	0	49.6	-	-	-	-	68.2	-18.6	164	229	V

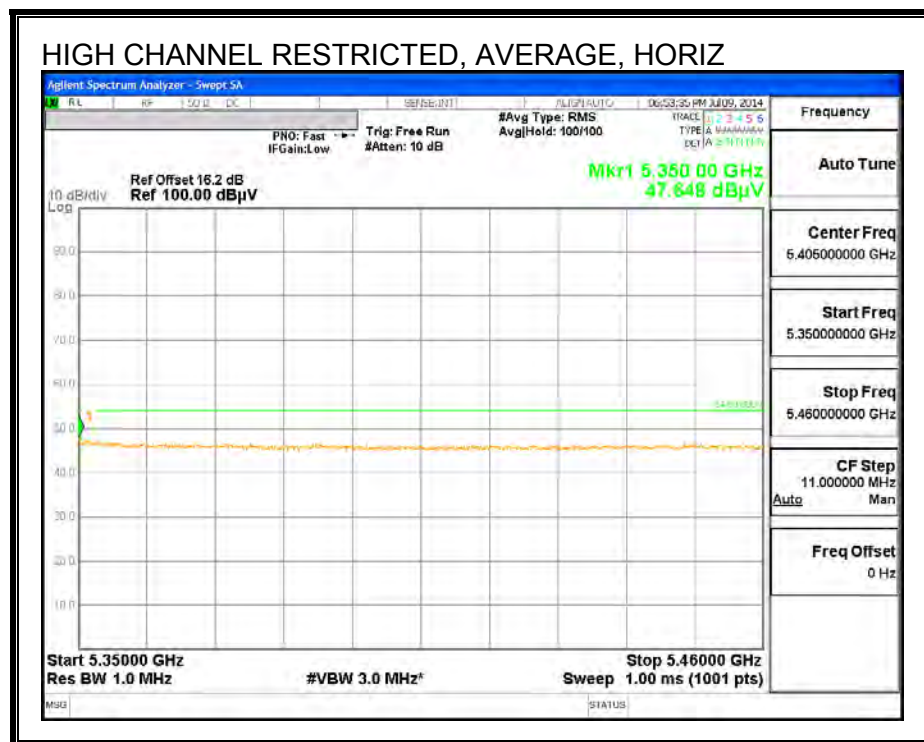
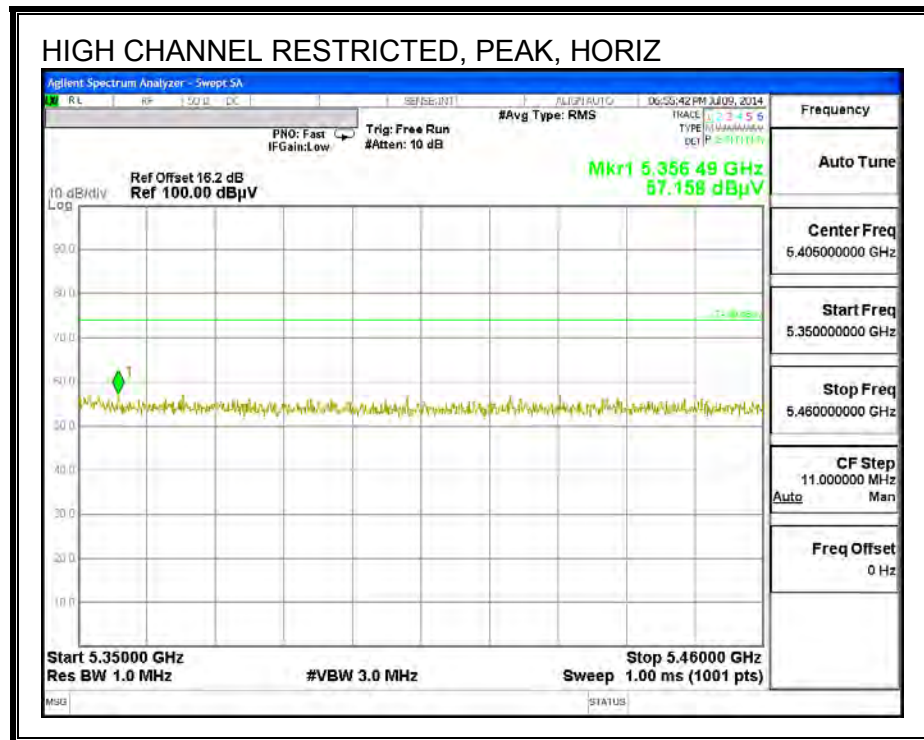
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

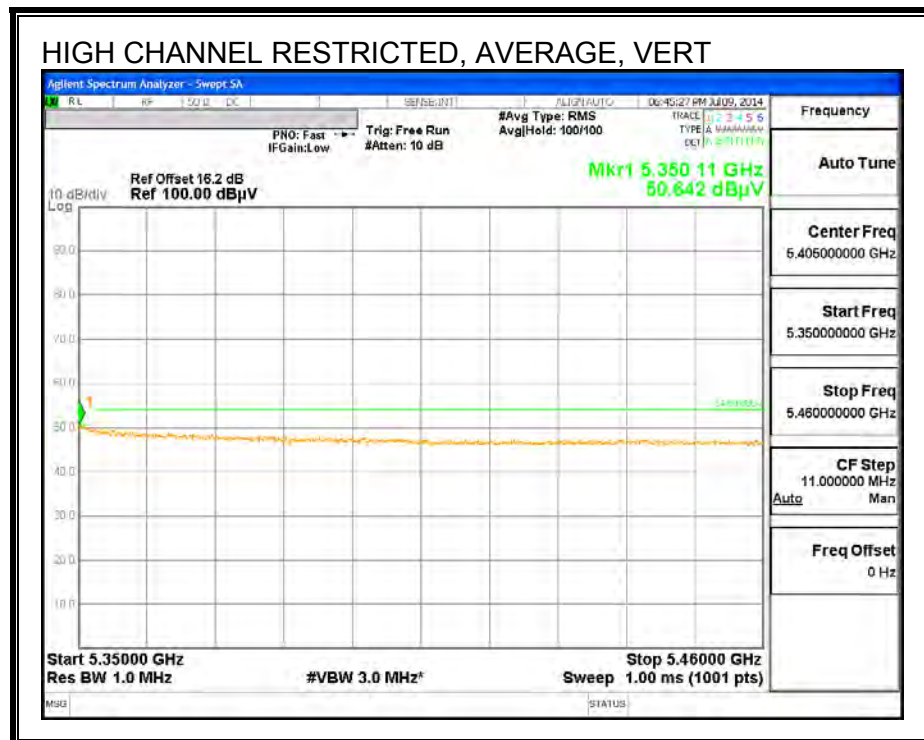
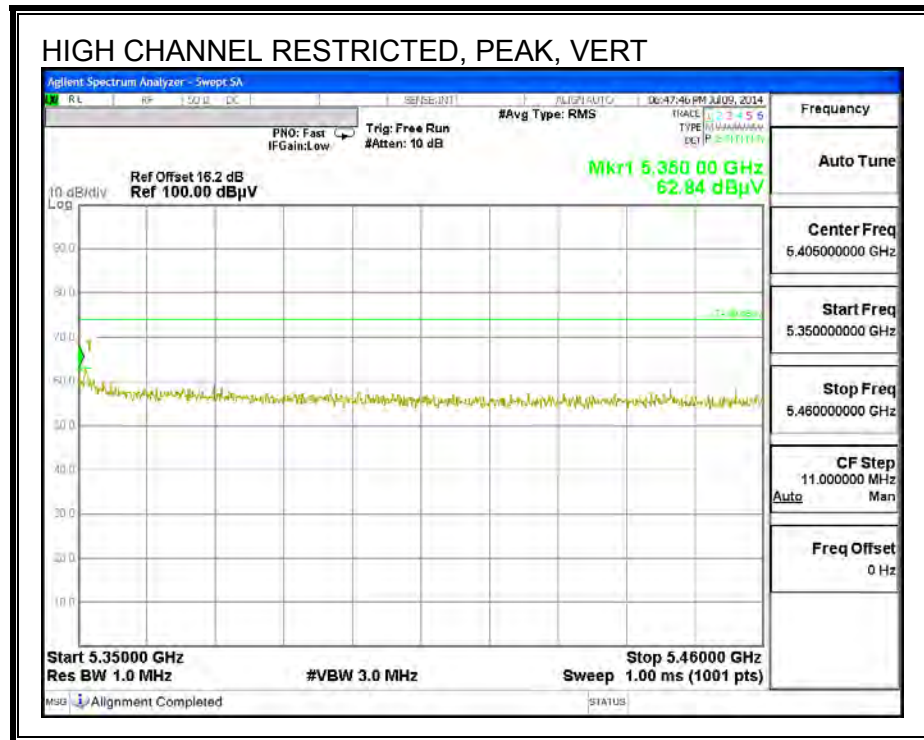
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

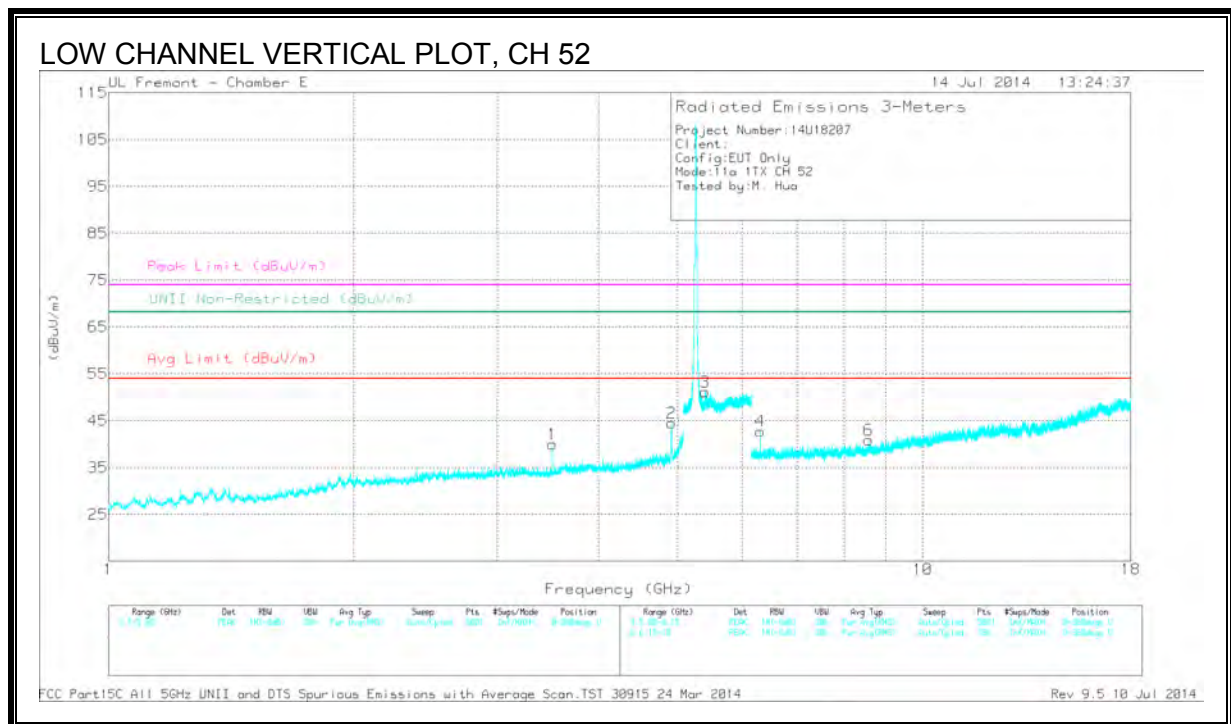
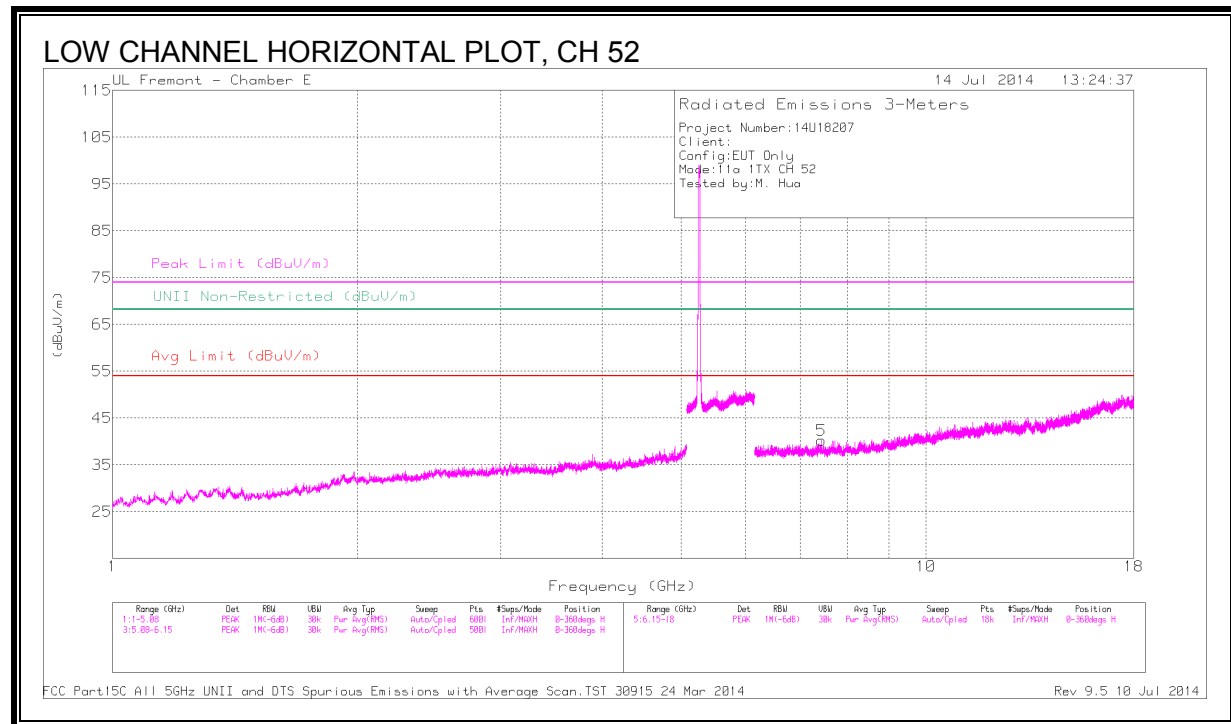
10.2.7. TX ABOVE 1 GHz 802.11a 1TX MODE IN THE 5.3 GHz BAND

RESTRICTED BANDEDGE (HIGH CHANNEL)





HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.507	45.85	PK1	33	-32	46.85	-	-	74	-27.15	-	-	163	248	V
	* 3.507	39.53	AD1	33	-32	40.53	54	-13.47	-	-	-	-	163	248	V
2	* 4.909	45.94	PK1	34	-29.6	50.34	-	-	74	-23.66	-	-	250	196	V
	* 4.909	38.5	AD1	34	-29.6	42.9	54	-11.1	-	-	-	-	250	196	V
3	* 5.404	45.93	PK1	34.6	-21.1	59.43	-	-	74	-14.57	-	-	269	209	V
	* 5.404	34.89	AD1	34.6	-21.1	48.39	54	-5.61	-	-	-	-	269	209	V
5	* 7.439	39.65	PK1	35.7	-28.5	46.85	-	-	74	-27.15	-	-	327	369	H
	* 7.441	28.16	AD1	35.7	-28.5	35.36	54	-18.64	-	-	-	-	327	369	H
4	6.312	42.31	PK1	35.5	-28.7	49.11	-	-	-	-	68.2	-19.09	274	195	V
6	8.583	37.84	PK1	35.9	-26.4	47.34	-	-	-	-	68.2	-20.86	107	395	V

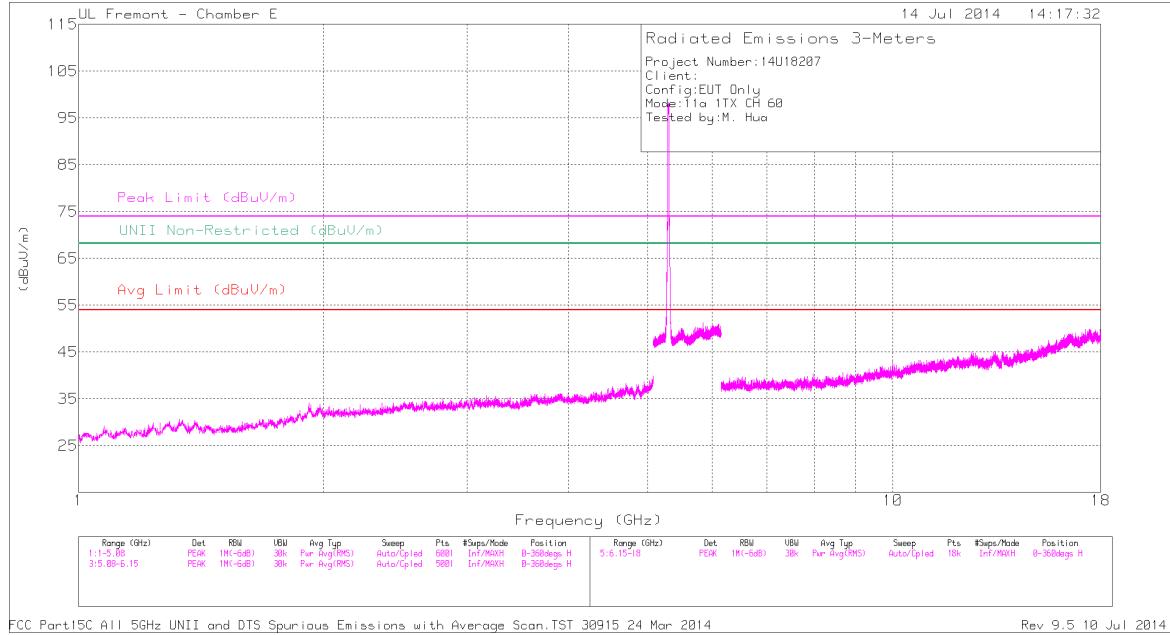
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

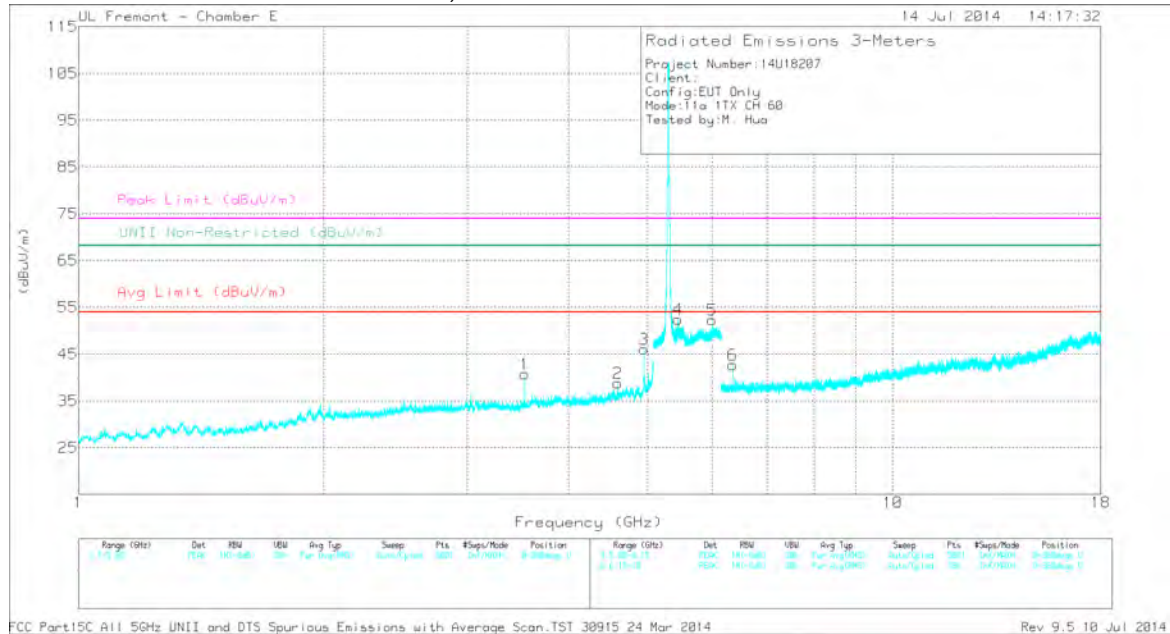
AD1 - KDB789033 Method: AD Primary Power Average

HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL HORIZONTAL PLOT, CH 60



MID CHANNEL VERTICAL PLOT, CH 60



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.533	46.62	PK1	33	-32.1	47.52	-	-	74	-26.48	-	-	158	248	V
	* 3.533	40.85	AD1	33	-32.1	41.75	54	-12.25	-	-	-	-	158	248	V
2	* 4.594	42.78	PK1	34.1	-30.8	46.08	-	-	74	-27.92	-	-	246	176	V
	* 4.593	34.36	AD1	34.1	-30.8	37.66	54	-16.34	-	-	-	-	246	176	V
3	* 4.947	45.58	PK1	34.1	-29.7	49.98	-	-	74	-24.02	-	-	236	220	V
	* 4.947	38.31	AD1	34.1	-29.7	42.71	54	-11.29	-	-	-	-	236	220	V
4	* 5.447	45.43	PK1	34.6	-20.9	59.13	-	-	74	-14.87	-	-	254	213	V
	* 5.447	34.28	AD1	34.6	-20.9	47.98	54	-6.02	-	-	-	-	254	213	V
5	5.996	43.01	PK1	35.3	-20.6	57.71	-	-	-	-	68.2	-10.49	282	350	V
6	6.36	43.33	PK1	35.6	-28.9	50.03	-	-	-	-	68.2	-18.17	286	192	V

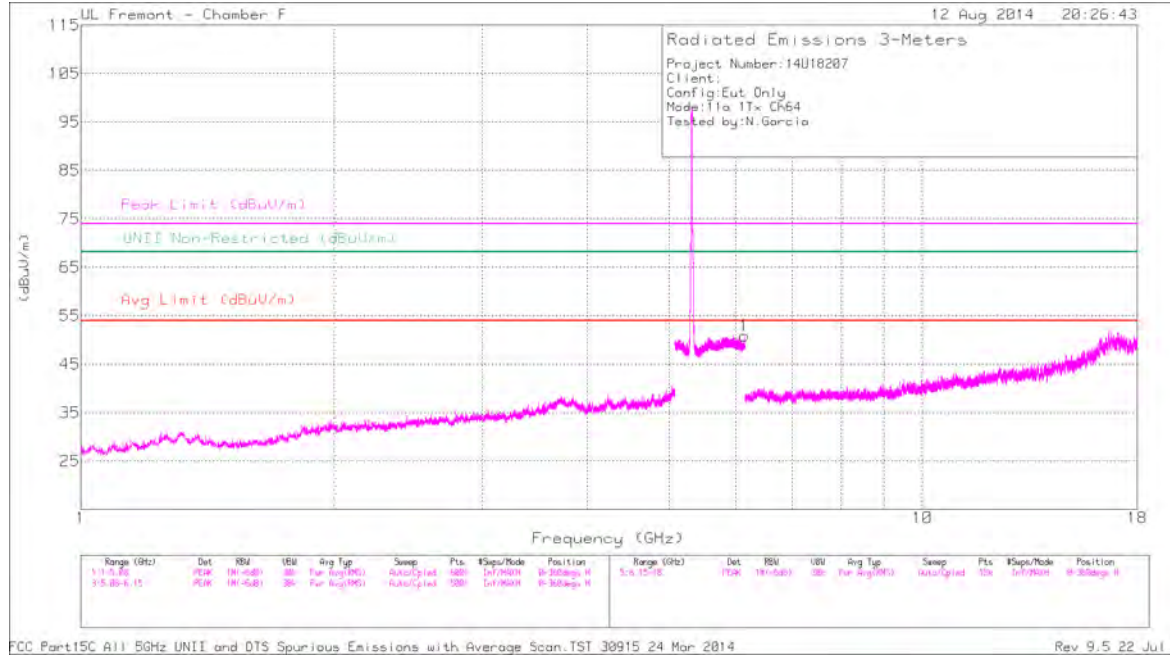
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

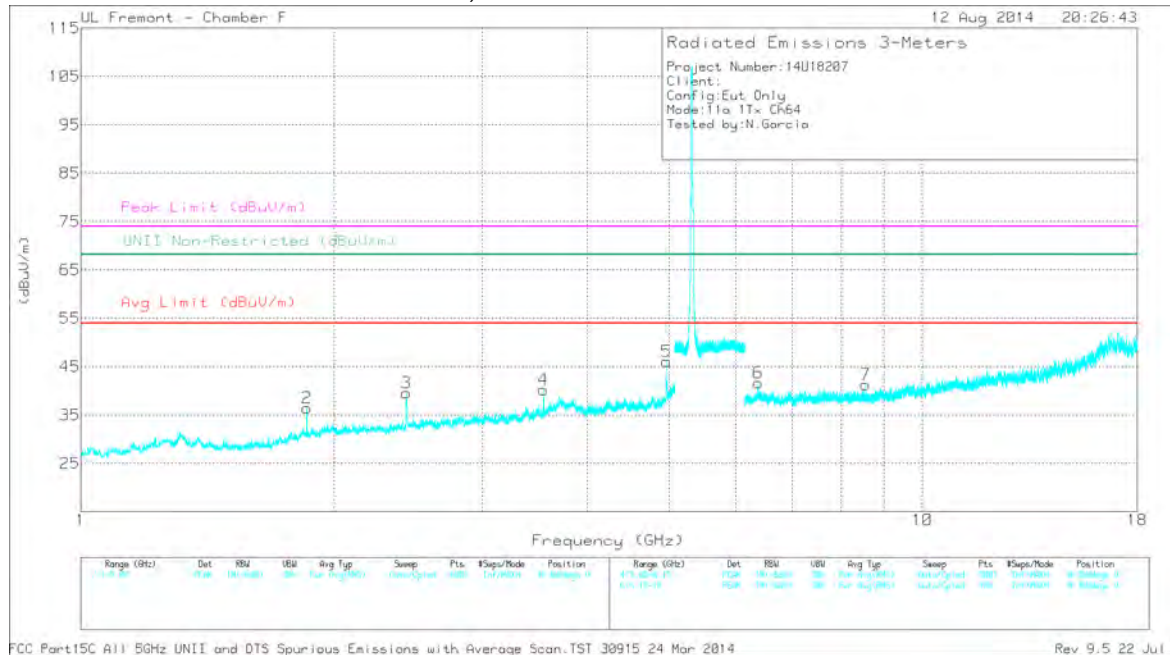
AD1 - KDB789033 Method: AD Primary Power Average

HARMONICS AND SPURIOUS EMISSIONS

HIGH CHANNEL HORIZONTAL PLOT, CH 64



HIGH CHANNEL VERTICAL PLOT, CH 64



Radiated Emissions

Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	1.854	40.72	PK1	30.9	-31.5	40.12	-	-	-	-	68.2	-28.08	274	252	V
3	2.438	46.53	PK1	32.4	-30.9	48.03	-	-	-	-	68.2	-20.17	351	299	V
4	* 3.547	46.96	PK1	33	-32.1	47.86	-	-	74	-26.14	-	-	340	247	V
	* 3.547	39.9	AD1	33	-32.1	40.8	54	-13.2	-	-	-	-	340	247	V
5	* 4.966	43.93	PK1	34.2	-27.4	50.73	-	-	74	-23.27	-	-	234	219	V
	* 4.965	36.46	AD1	34.2	-27.4	43.26	54	-10.74	-	-	-	-	234	219	V
1	6.144	41.5	PK1	35.4	-18.8	58.1	-	-	-	-	68.2	-10.1	223	193	H
6	6.384	39.77	PK1	35.6	-26.6	48.77	-	-	-	-	68.2	-19.43	259	222	V
7	8.558	35.69	PK1	35.8	-24.8	46.69	-	-	-	-	68.2	-21.51	191	215	V

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

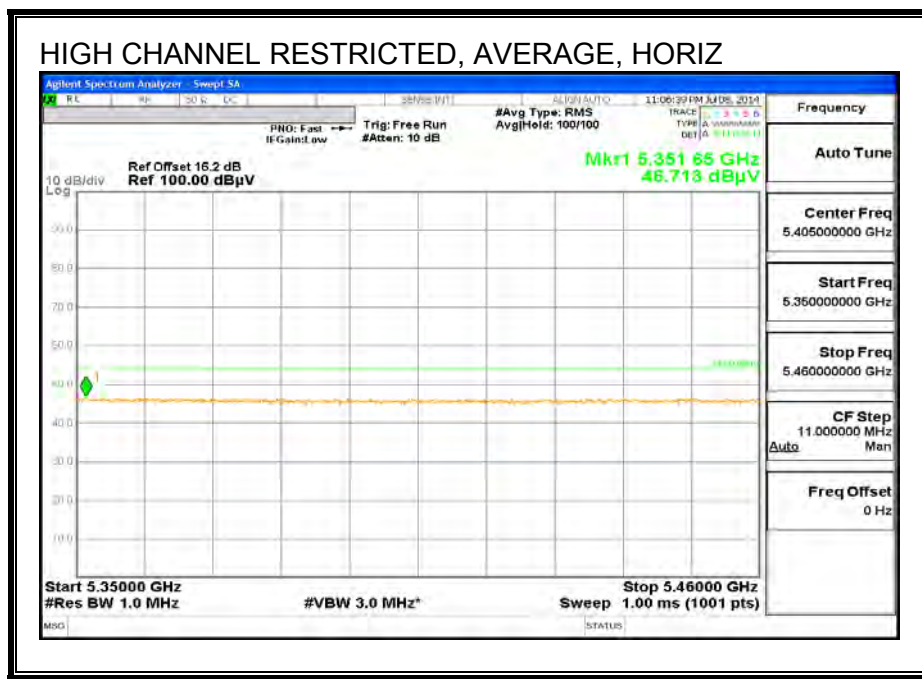
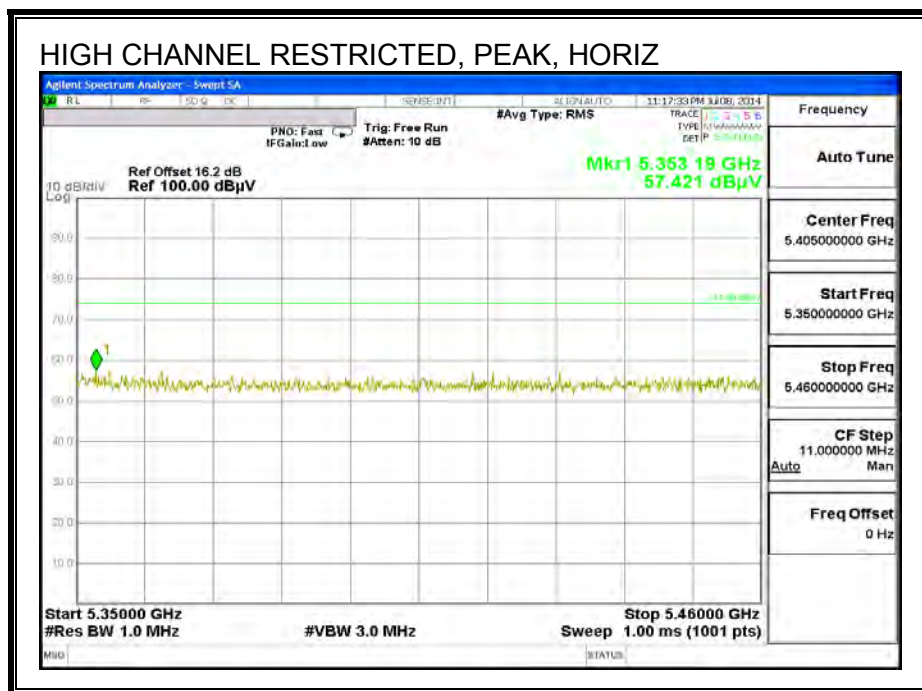
PK1 - KDB789033 Method: Peak

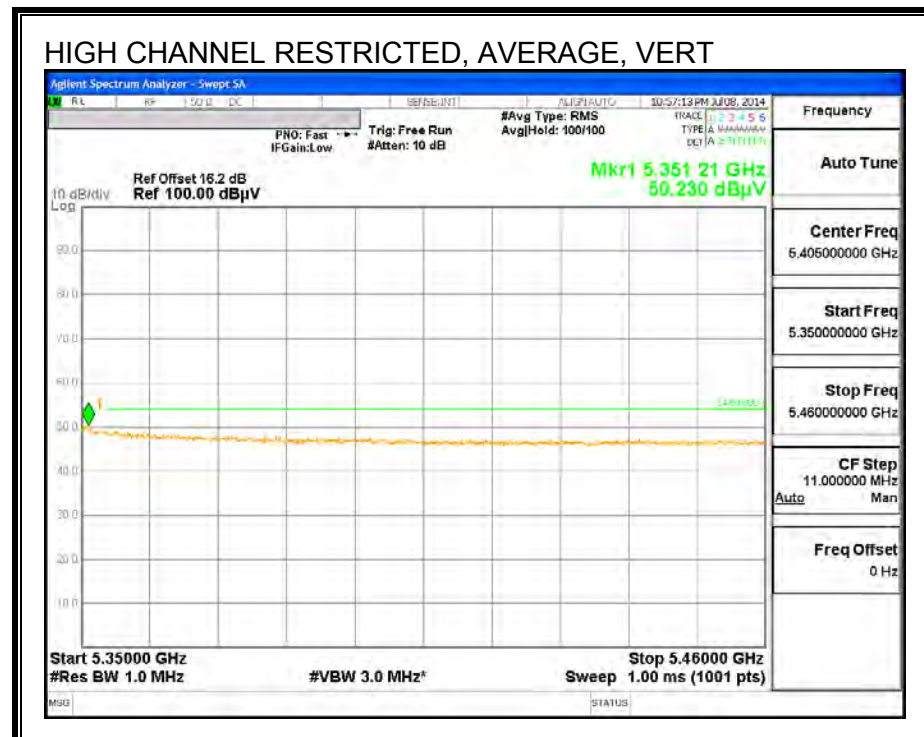
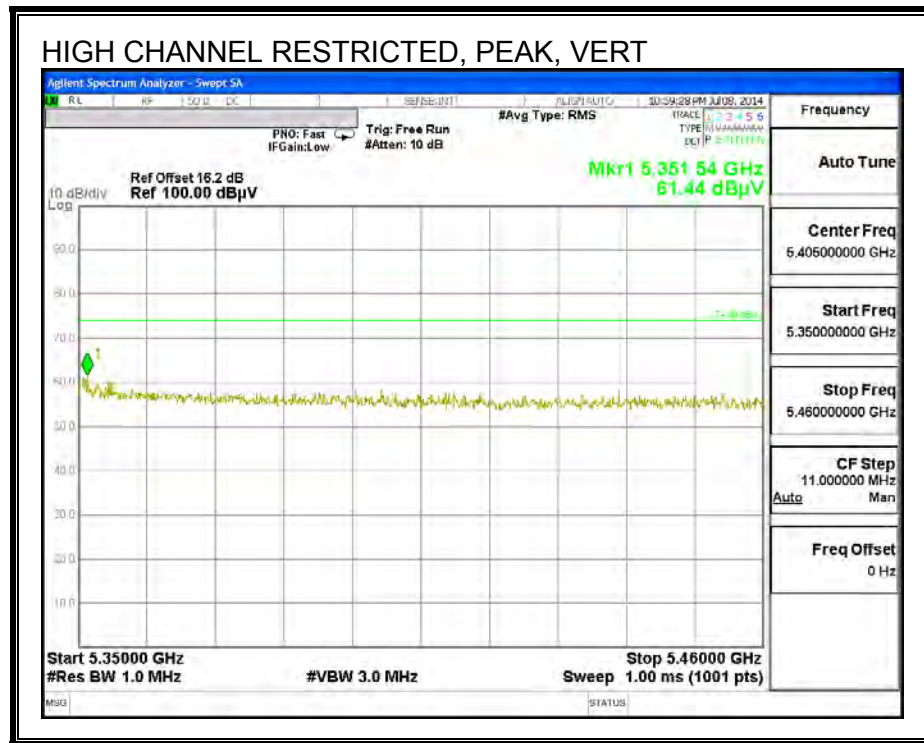
AD1 - KDB789033 Method: AD Primary Power Average

10.2.8. TX ABOVE 1 GHz 802.11n HT20 CDD 2TX MODE IN THE 5.3 GHz BAND

All radiated tests for 802.11n HT20 were conducted with CDD mode at the elevated power of STBC mode. This configuration is considered representative of both modes.

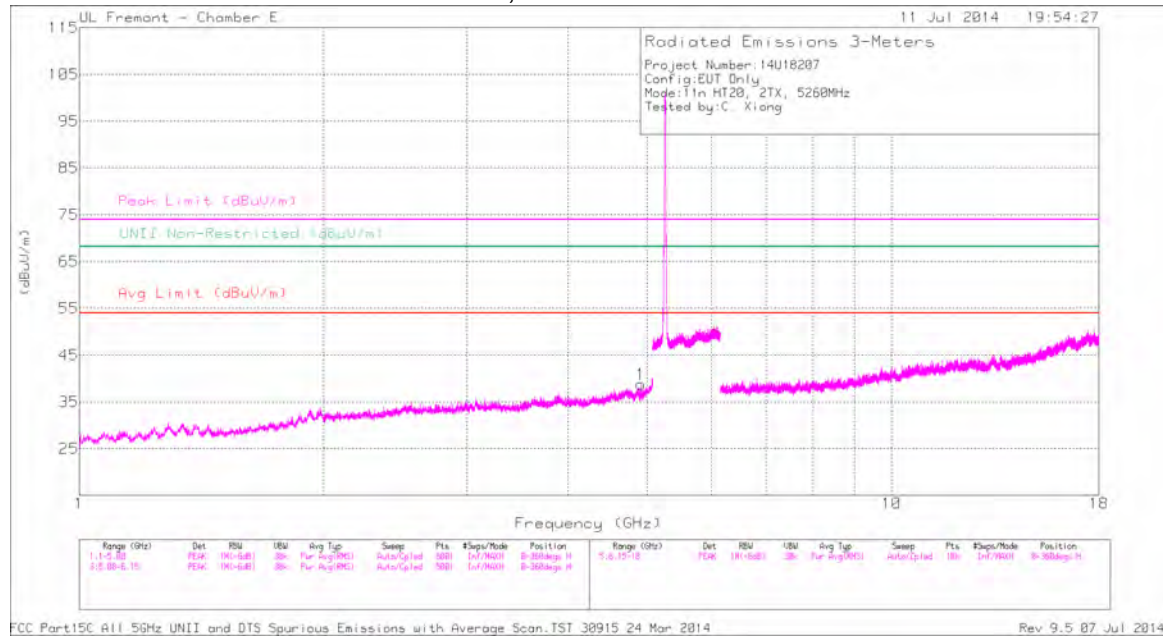
RESTRICTED BANDEDGE (HIGH CHANNEL)



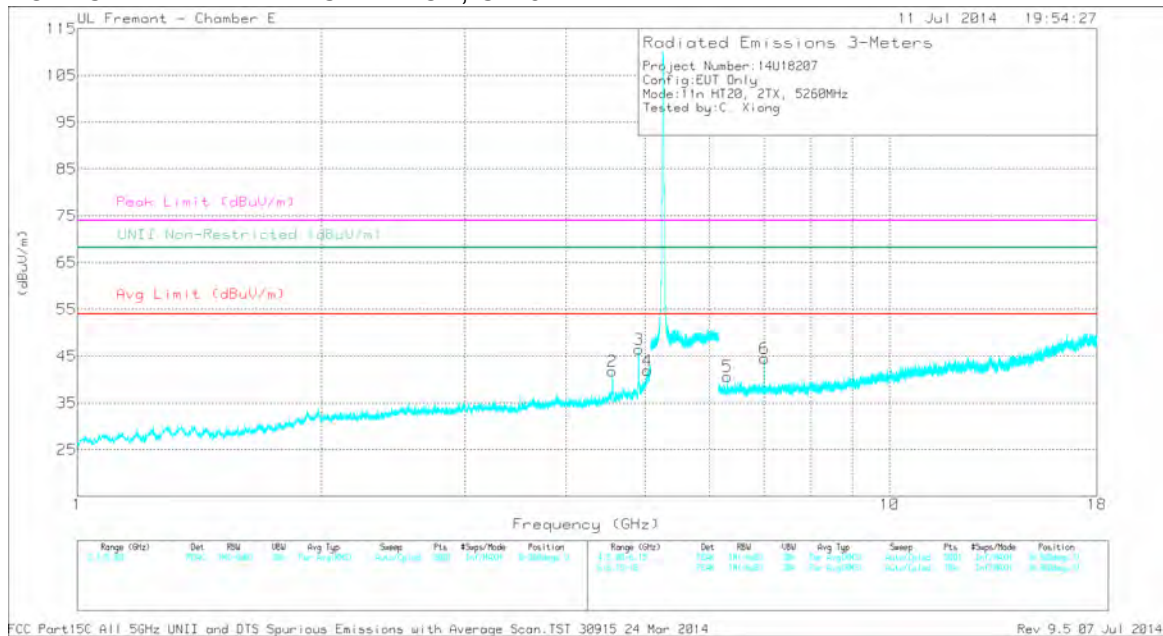


HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL PLOT, CH 52



LOW CHANNEL VERTICAL PLOT, CH 52



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.91	42.83	PK1	34	-29.6	47.23	-	-	74	-26.77	-	-	150	241	H
	* 4.909	32.81	AD1	34	-29.6	37.21	54	-16.79	-	-	-	-	150	241	H
2	* 4.559	45.99	PK1	34	-30.6	49.39	-	-	74	-24.61	-	-	156	221	V
	* 4.559	38.36	AD1	34	-30.6	41.76	54	-12.24	-	-	-	-	156	221	V
3	* 4.91	48.19	PK1	34	-29.6	52.59	-	-	74	-21.41	-	-	155	199	V
	* 4.909	42.15	AD1	34	-29.6	46.55	54	-7.45	-	-	-	-	155	199	V
4	* 5.036	45.63	PK1	34.1	-28.9	50.83	-	-	74	-23.17	-	-	146	187	V
	* 5.037	34.4	AD1	34.1	-28.9	39.6	54	-14.4	-	-	-	-	146	187	V
5	6.312	42.06	PK1	35.5	-28.7	48.86	-	-	-	-	68.2	-19.34	179	167	V
6	7.013	42.22	PK1	35.9	-28.6	49.52	-	-	-	-	68.2	-18.68	100	196	V

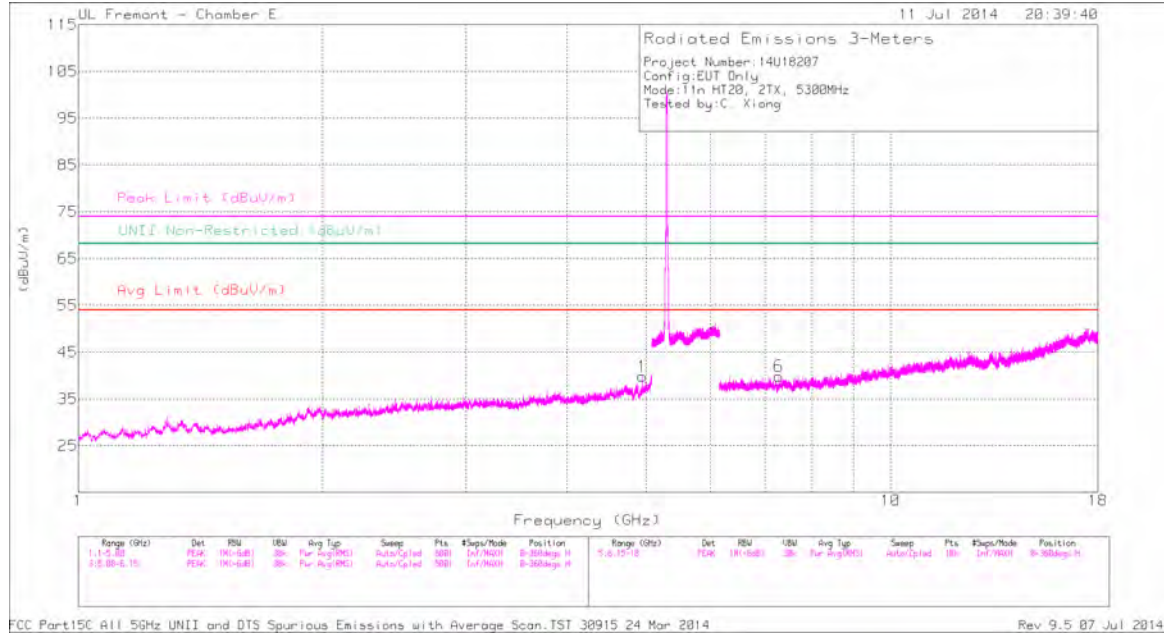
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

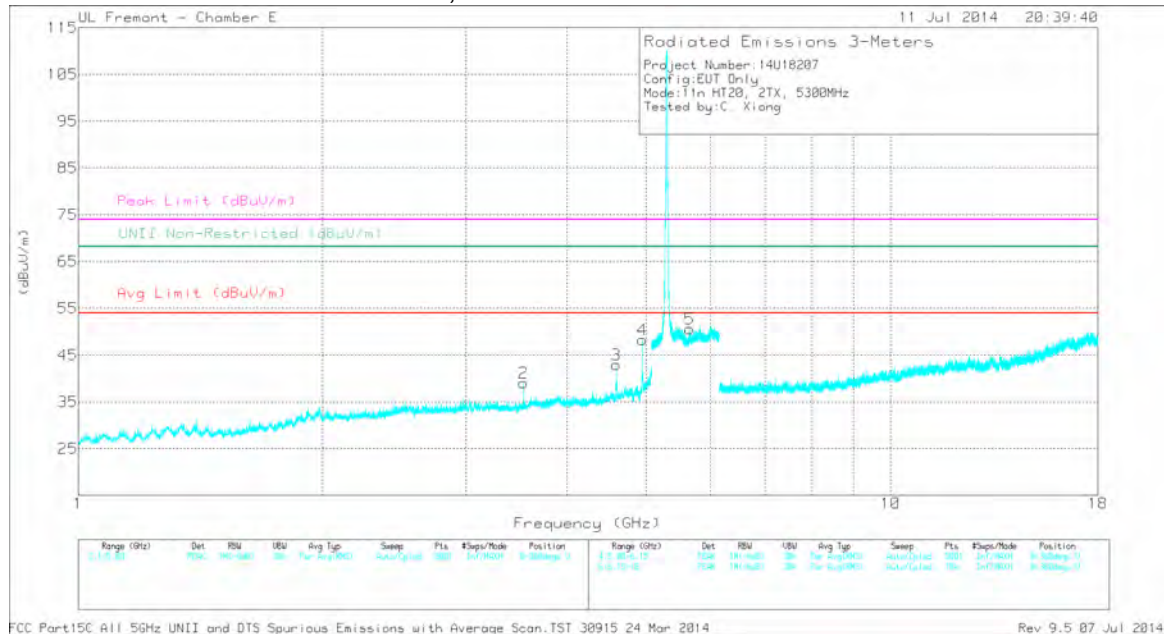
AD1 - KDB789033 Method: AD Primary Power Average

HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL HORIZONTAL PLOT, CH 60



MID CHANNEL VERTICAL PLOT, CH 60



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Fil tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.947	43.54	PK1	34.1	-29.7	47.94	-	-	74	-26.06	-	-	213	294	H
	* 4.947	35.44	AD1	34.1	-29.7	39.84	54	-14.16	-	-	-	-	213	294	H
2	* 3.533	45.26	PK1	33	-32.1	46.16	-	-	74	-27.84	-	-	39	251	V
	* 3.533	38.38	AD1	33	-32.1	39.28	54	-14.72	-	-	-	-	39	251	V
3	* 4.593	47.04	PK1	34.1	-30.8	50.34	-	-	74	-23.66	-	-	153	221	V
	* 4.593	38.81	AD1	34.1	-30.8	42.11	54	-11.89	-	-	-	-	153	221	V
4	* 4.947	48.56	PK1	34.1	-29.7	52.96	-	-	74	-21.04	-	-	153	196	V
	* 4.947	43.17	AD1	34.1	-29.7	47.57	54	-6.43	-	-	-	-	153	196	V
6	* 7.284	39.08	PK1	35.7	-28.3	46.48	-	-	74	-27.52	-	-	182	127	H
	* 7.285	27.52	AD1	35.7	-28.3	34.92	54	-19.08	-	-	-	-	182	127	H
5	5.653	46.71	PK1	34.7	-21.1	60.31	-	-	-	-	68.2	-7.89	116	201	V

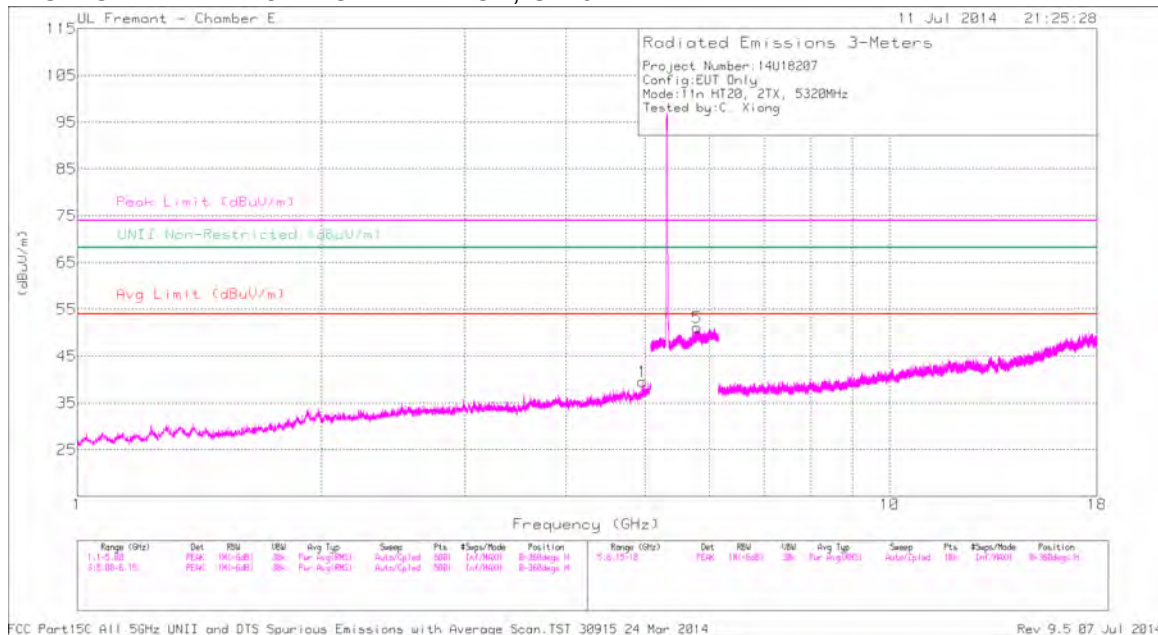
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

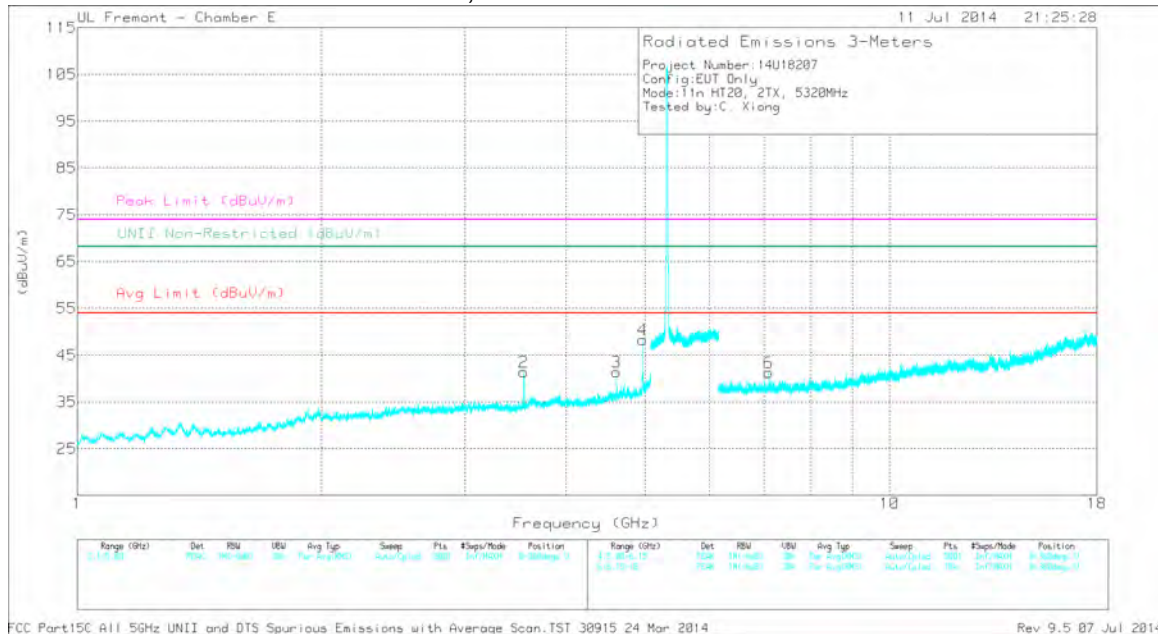
AD1 - KDB789033 Method: AD Primary Power Average

HARMONICS AND SPURIOUS EMISSIONS

HIGH CHANNEL HORIZONTAL PLOT, CH 64



HIGH CHANNEL VERTICAL PLOT, CH 64



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Fi tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.965	44.98	PK1	34.1	-29.6	49.48	-	-	74	-24.52	-	-	218	316	H
	* 4.965	37.1	AD1	34.1	-29.6	41.6	54	-12.4	-	-	-	-	218	316	H
2	* 3.547	47.01	PK1	33	-32.1	47.91	-	-	74	-26.09	-	-	39	244	V
	* 3.547	41.54	AD1	33	-32.1	42.44	54	-11.56	-	-	-	-	39	244	V
3	* 4.611	45.79	PK1	34.1	-30.7	49.19	-	-	74	-24.81	-	-	137	217	V
	* 4.611	37.27	AD1	34.1	-30.7	40.67	54	-13.33	-	-	-	-	137	217	V
4	* 4.965	49.33	PK1	34.1	-29.6	53.83	-	-	74	-20.17	-	-	152	213	V
	* 4.965	44.14	AD1	34.1	-29.6	48.64	54	-5.36	-	-	-	-	152	213	V
5	5.792	43.29	PK1	34.9	-20.7	57.49	-	-	-	-	68.2	-10.71	67	138	H
6	7.093	40.41	PK1	35.8	-28.3	47.91	-	-	-	-	68.2	-20.29	97	206	V

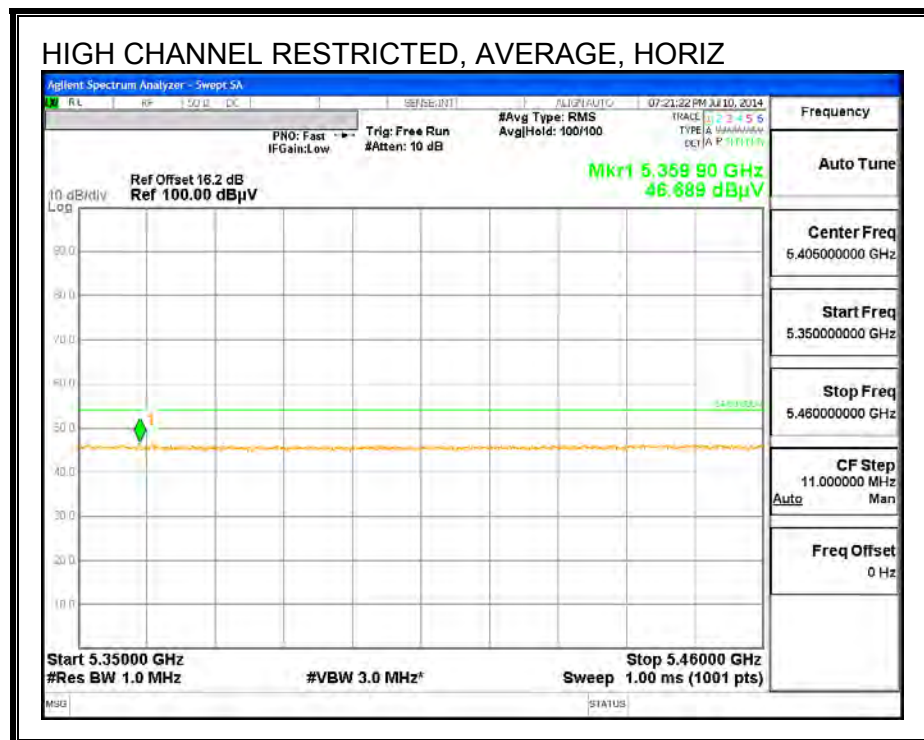
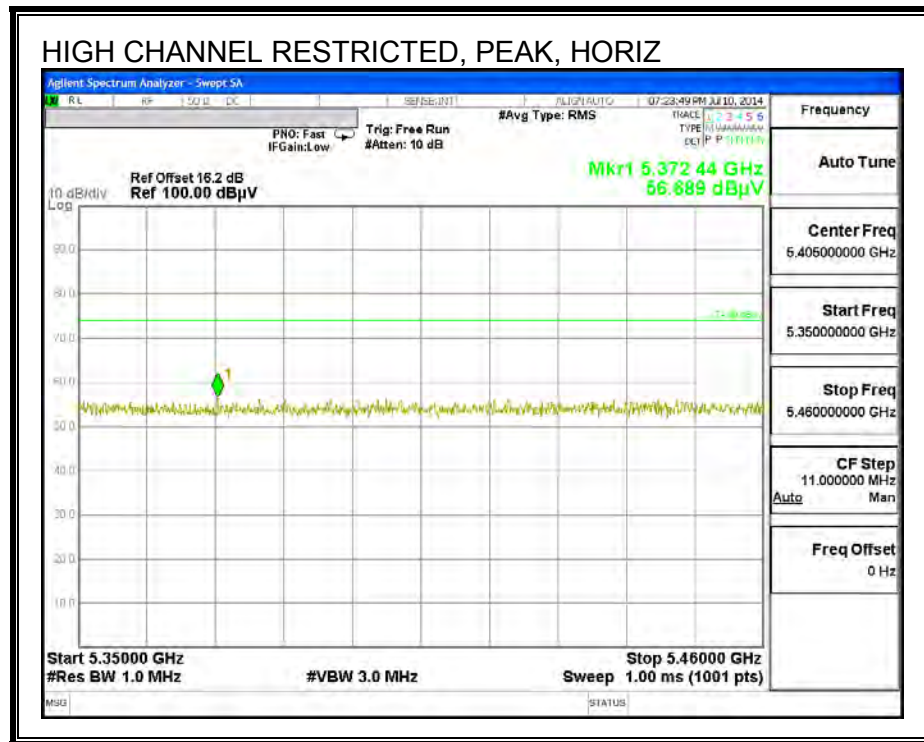
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

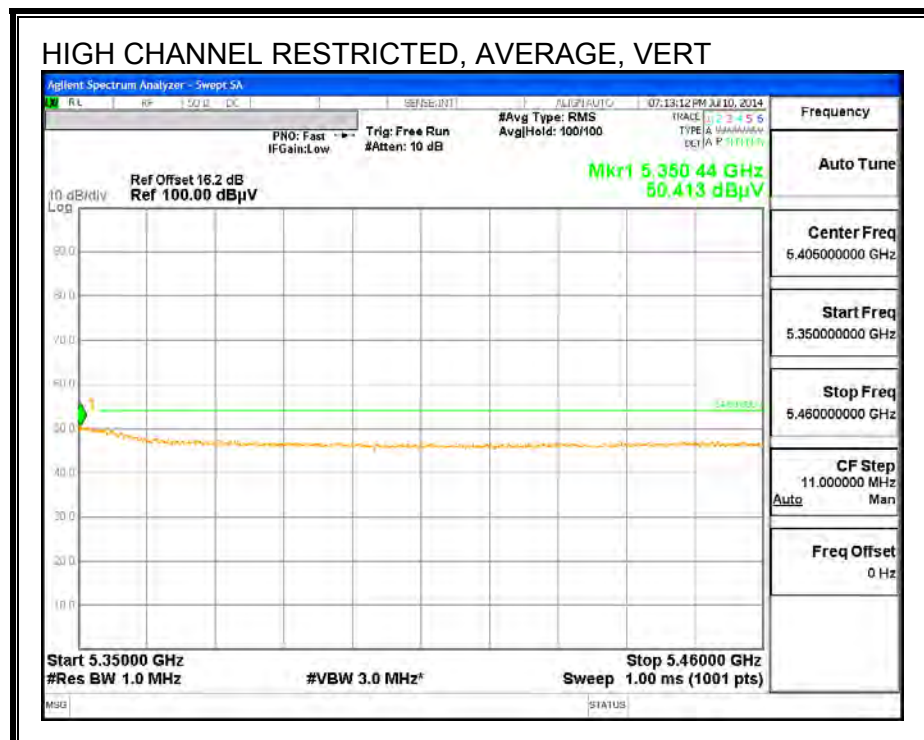
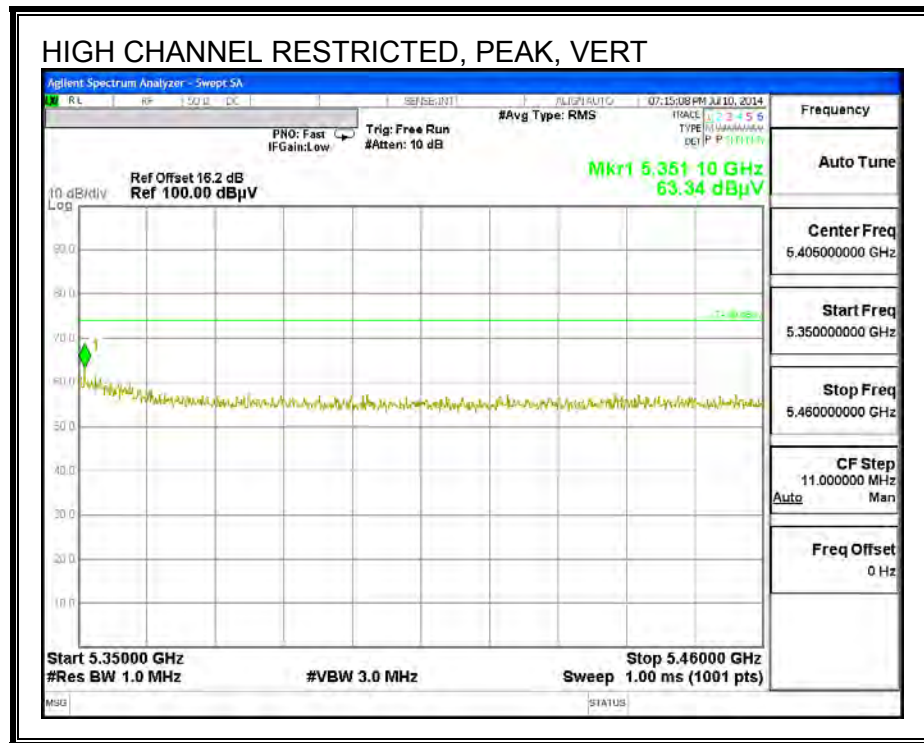
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

10.2.9. TX ABOVE 1 GHz 802.11n HT40 1TX MODE IN THE 5.3 GHz BAND

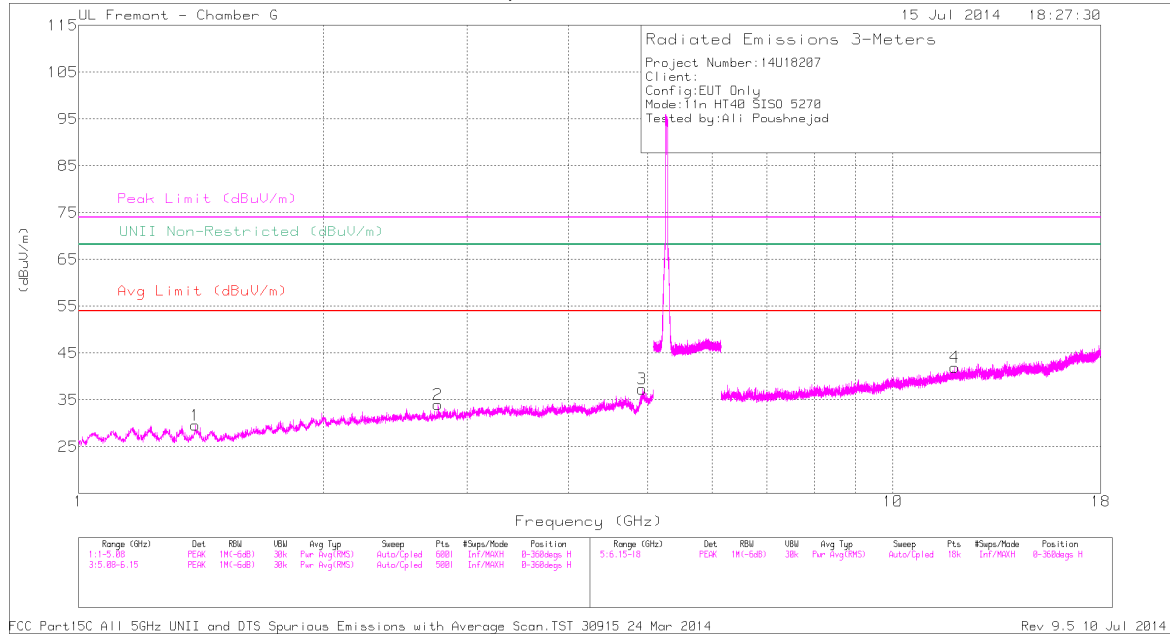
RESTRICTED BANDEDGE (HIGH CHANNEL)



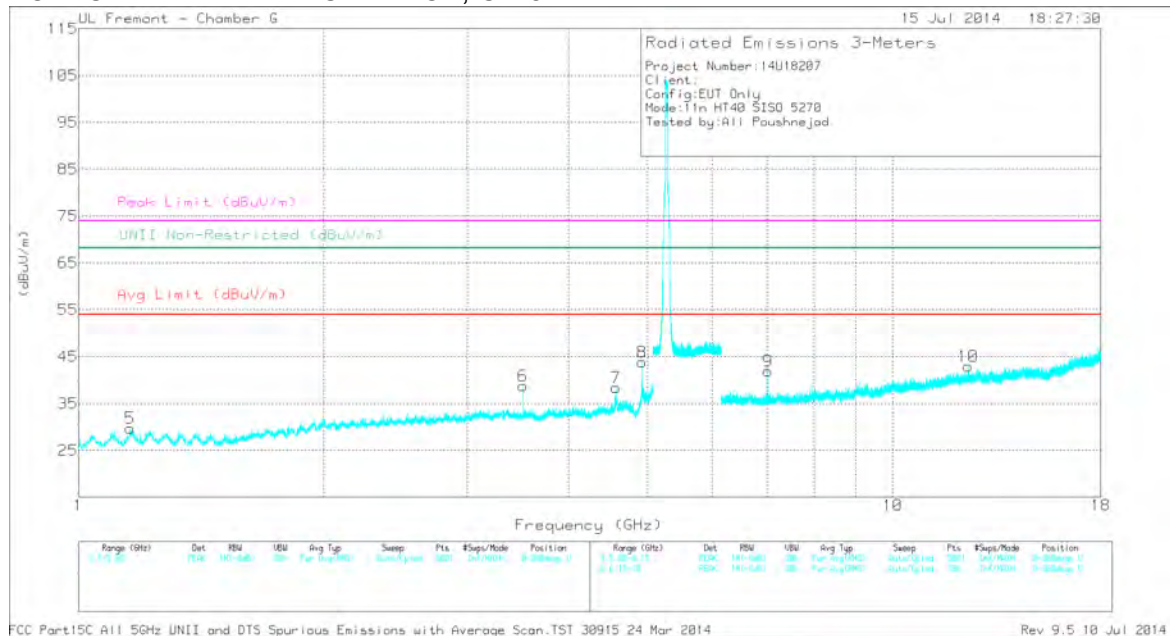


HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL PLOT, CH 54



LOW CHANNEL VERTICAL PLOT, CH 54



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.392	38.69	PK1	28.5	-35.1	32.09	-	-	74	-41.91	-	-	75	288	H
	* 1.391	32.1	AD1	28.5	-35.1	25.5	54	-28.5	-	-	-	-	75	288	H
2	* 2.766	42.77	PK1	32.2	-34.3	40.67	-	-	74	-33.33	-	-	335	139	H
	* 2.765	31.06	AD1	32.2	-34.3	28.96	54	-25.04	-	-	-	-	335	139	H
3	* 4.919	44.15	PK1	34.1	-31.8	46.45	-	-	74	-27.55	-	-	250	301	H
	* 4.919	36.17	AD1	34.1	-31.8	38.47	54	-15.53	-	-	-	-	250	301	H
5	* 1.157	44.23	PK1	28.8	-35.6	37.43	-	-	74	-36.57	-	-	148	105	V
	* 1.158	32.39	AD1	28.8	-35.6	25.59	54	-28.41	-	-	-	-	148	105	V
6	* 3.513	46.51	PK1	32.8	-33.7	45.61	-	-	74	-28.39	-	-	232	250	V
	* 3.513	40.92	AD1	32.8	-33.7	40.02	54	-13.98	-	-	-	-	232	250	V
7	* 4.568	44.39	PK1	33.8	-32.7	45.49	-	-	74	-28.51	-	-	318	176	V
	* 4.567	35.56	AD1	33.8	-32.7	36.66	54	-17.34	-	-	-	-	318	176	V
8	* 4.919	46.94	PK1	34.1	-31.8	49.24	-	-	74	-24.76	-	-	279	195	V
	* 4.919	40.55	AD1	34.1	-31.8	42.85	54	-11.15	-	-	-	-	279	195	V
4	* 11.913	36.89	PK1	38.8	-26.8	48.89	-	-	74	-25.11	-	-	163	102	H
	* 11.911	25.39	AD1	38.8	-26.8	37.39	54	-16.61	-	-	-	-	163	102	H
10	* 12.369	37.59	PK1	38.9	-26.8	49.69	-	-	74	-24.31	-	-	84	287	V
	* 12.369	25.69	AD1	38.9	-26.8	37.79	54	-16.21	-	-	-	-	84	287	V
9	7.027	38.03	PK	35.6	-31.7	41.93	-	-	-	-	68.2	-26.27	0-360	201	V

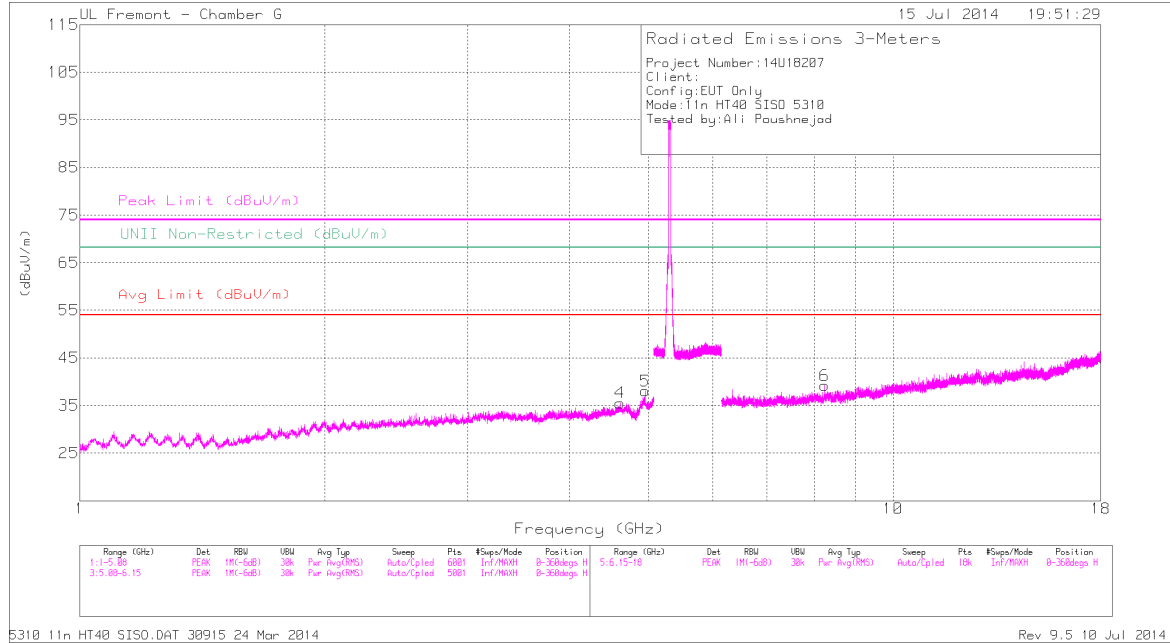
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

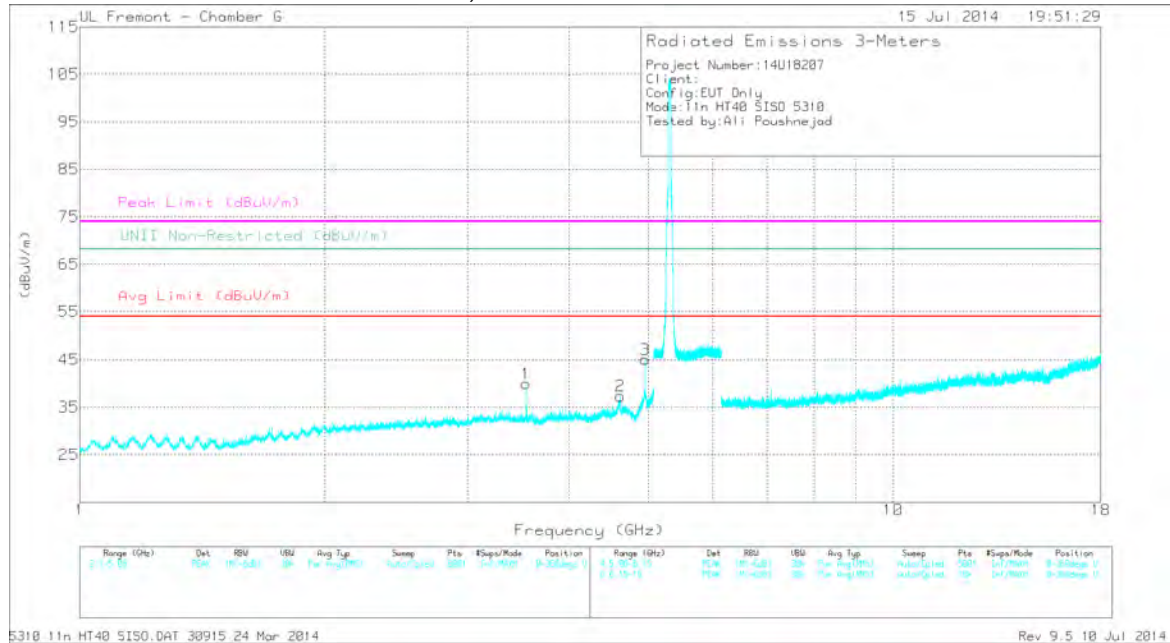
AD1 - KDB789033 Method: AD Primary Power Average

HARMONICS AND SPURIOUS EMISSIONS

HIGH CHANNEL HORIZONTAL PLOT, CH 62



HIGH CHANNEL VERTICAL PLOT, CH 62



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fil tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 4.617	37.54	PK1	33.9	-32.6	38.84	-	-	74	-35.16	-	-	28	290	H
	* 4.619	30.36	AD1	33.9	-32.7	31.56	54	-22.44	-	-	-	-	28	290	H
5	* 4.956	42.58	PK1	34.1	-31.9	44.78	-	-	74	-29.22	-	-	249	295	H
	* 4.956	37.84	AD1	34.1	-31.9	40.04	54	-13.96	-	-	-	-	249	295	H
1	* 3.54	44.48	PK1	32.8	-33.5	43.78	-	-	74	-30.22	-	-	235	286	V
	* 3.54	41.41	AD1	32.8	-33.5	40.71	54	-13.29	-	-	-	-	235	286	V
2	* 4.617	40.17	PK1	33.9	-32.6	41.47	-	-	74	-32.53	-	-	312	219	V
	* 4.619	33.2	AD1	33.9	-32.7	34.4	54	-19.6	-	-	-	-	312	219	V
3	* 4.956	45.88	PK1	34.1	-31.9	48.08	-	-	74	-25.92	-	-	269	194	V
	* 4.956	42.16	AD1	34.1	-31.9	44.36	54	-9.64	-	-	-	-	269	194	V
6	* 8.242	35.23	PK1	35.8	-29.9	41.13	-	-	74	-32.87	-	-	99	323	H
	* 8.238	28.07	AD1	35.8	-29.9	33.97	54	-20.03	-	-	-	-	99	323	H

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

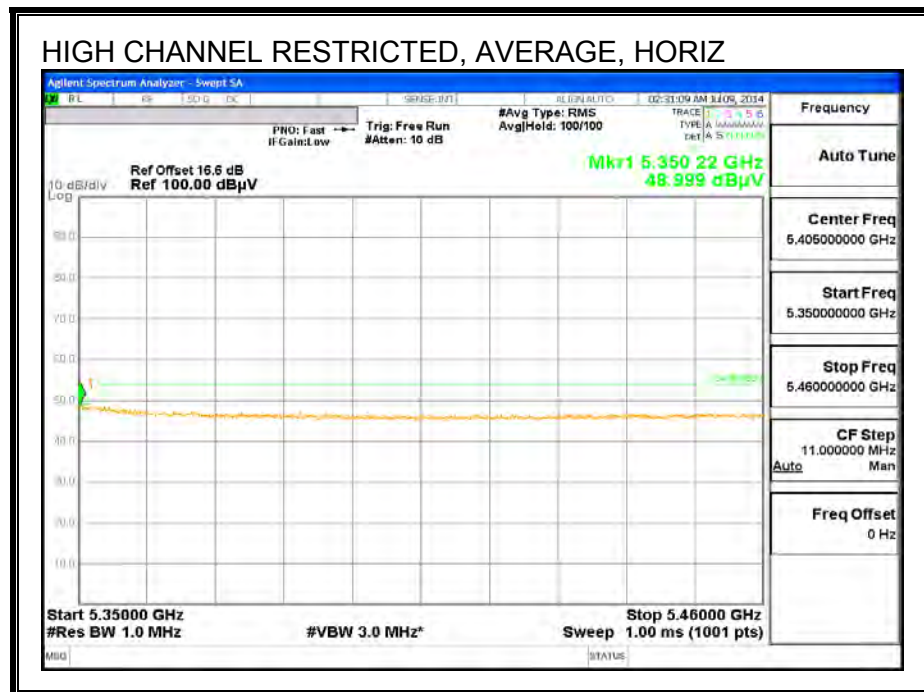
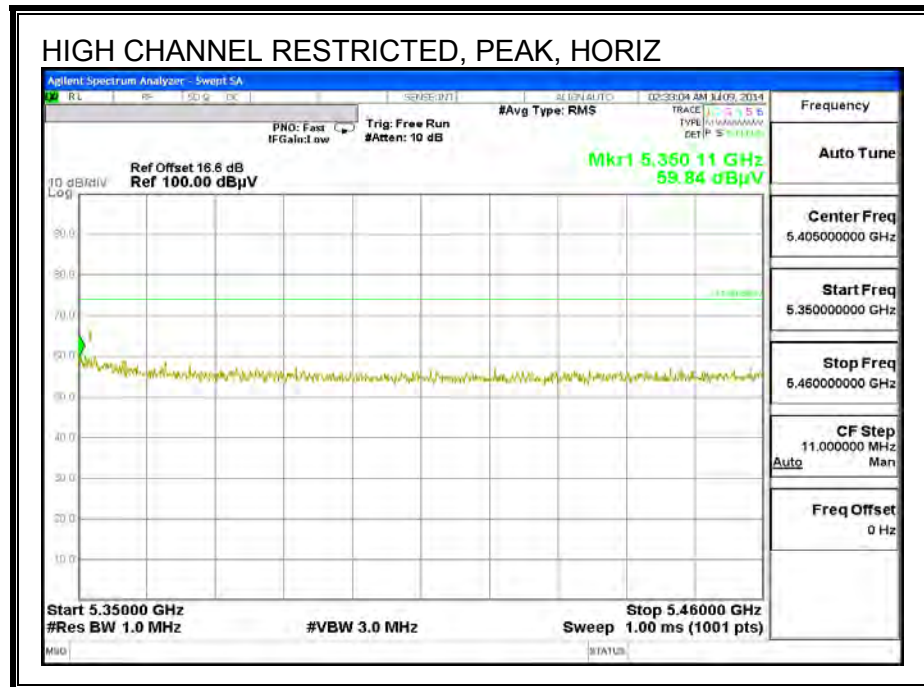
PK1 - KDB789033 Method: Peak

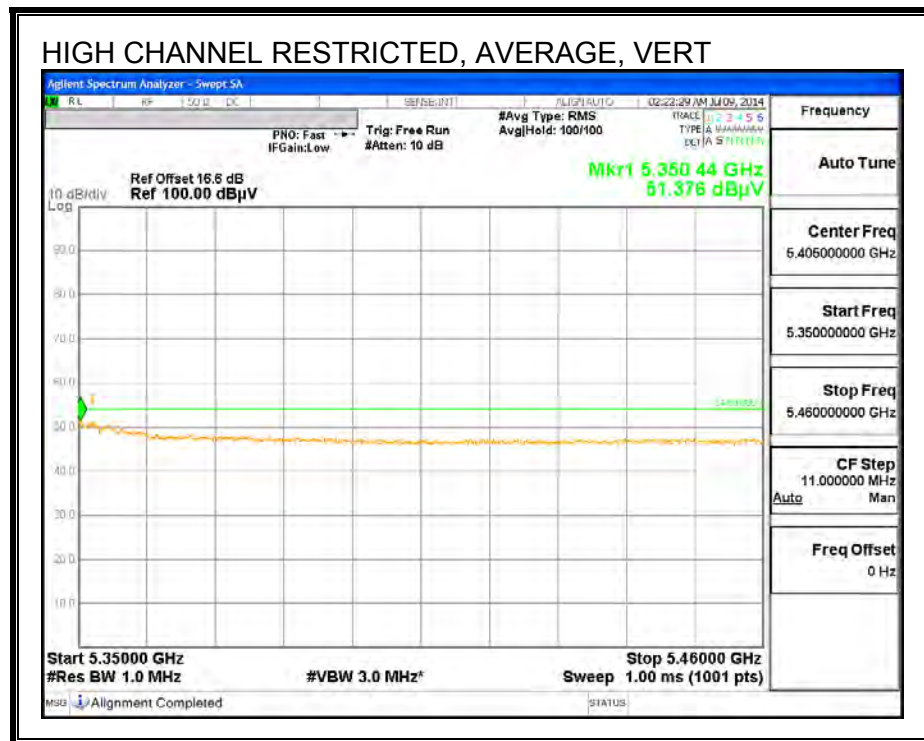
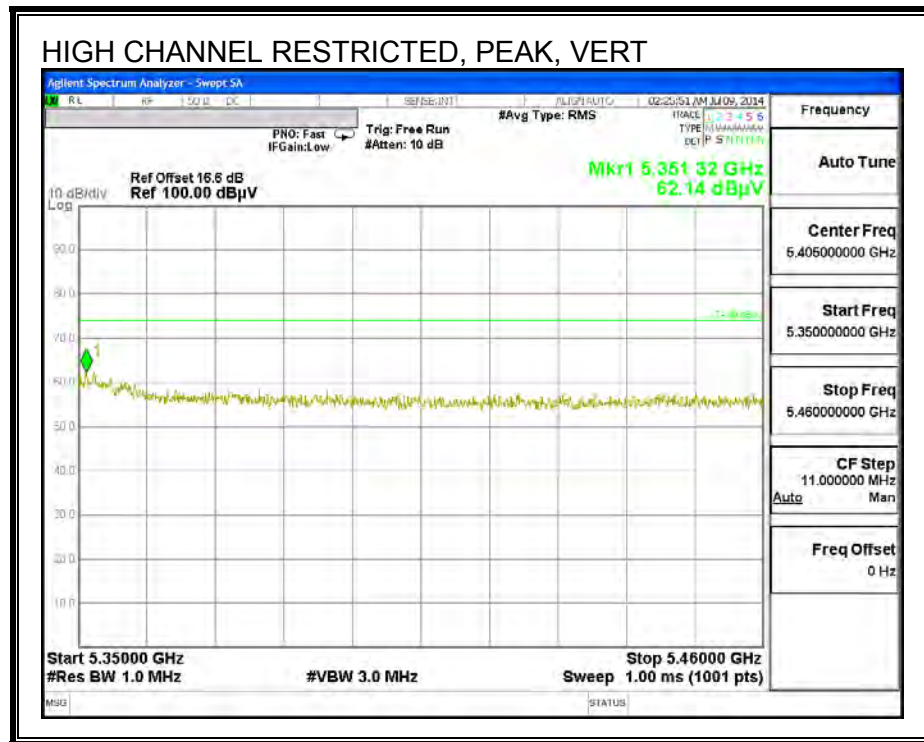
AD1 - KDB789033 Method: AD Primary Power Average

10.2.10. TX ABOVE 1 GHz 802.11n HT40 CDD 2TX MODE IN THE 5.3 GHz BAND

All radiated tests for 802.11n HT40 were conducted with CDD mode at the elevated power of STBC mode. This configuration is considered representative of both modes.

RESTRICTED BANDEDGE (HIGH CHANNEL)





DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fi tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.226	43.49	PK1	29.1	-35.6	36.99	-	-	74	-37.01	-	-	95	321	H
	* 1.225	31.99	AD1	29.1	-35.6	25.49	54	-28.51	-	-	-	-	95	321	H
2	* 4.568	43.27	PK1	33.8	-32.7	44.37	-	-	74	-29.63	-	-	109	298	H
	* 4.567	33.28	AD1	33.8	-32.7	34.38	54	-19.62	-	-	-	-	109	298	H
3	* 4.919	43	PK1	34.1	-31.8	45.3	-	-	74	-28.7	-	-	48	330	H
	* 4.919	34.8	AD1	34.1	-31.8	37.1	54	-16.9	-	-	-	-	48	330	H
4	* 3.513	48.24	PK1	32.8	-33.7	47.34	-	-	74	-26.66	-	-	27	257	V
	* 3.513	42.5	AD1	32.8	-33.7	41.6	54	-12.4	-	-	-	-	27	257	V
5	* 4.567	44.76	PK1	33.8	-32.7	45.86	-	-	74	-28.14	-	-	85	177	V
	* 4.567	35.69	AD1	33.8	-32.7	36.79	54	-17.21	-	-	-	-	85	177	V
6	* 4.919	49.08	PK1	34.1	-31.8	51.38	-	-	74	-22.62	-	-	108	201	V
	* 4.919	43.48	AD1	34.1	-31.8	45.78	54	-8.22	-	-	-	-	108	201	V
7	6.324	42.47	PK1	35.7	-32.6	45.57	-	-	-	-	68.2	-22.63	138	201	V
8	7.027	42.04	PK1	35.6	-31.7	45.94	-	-	-	-	68.2	-22.26	49	228	V

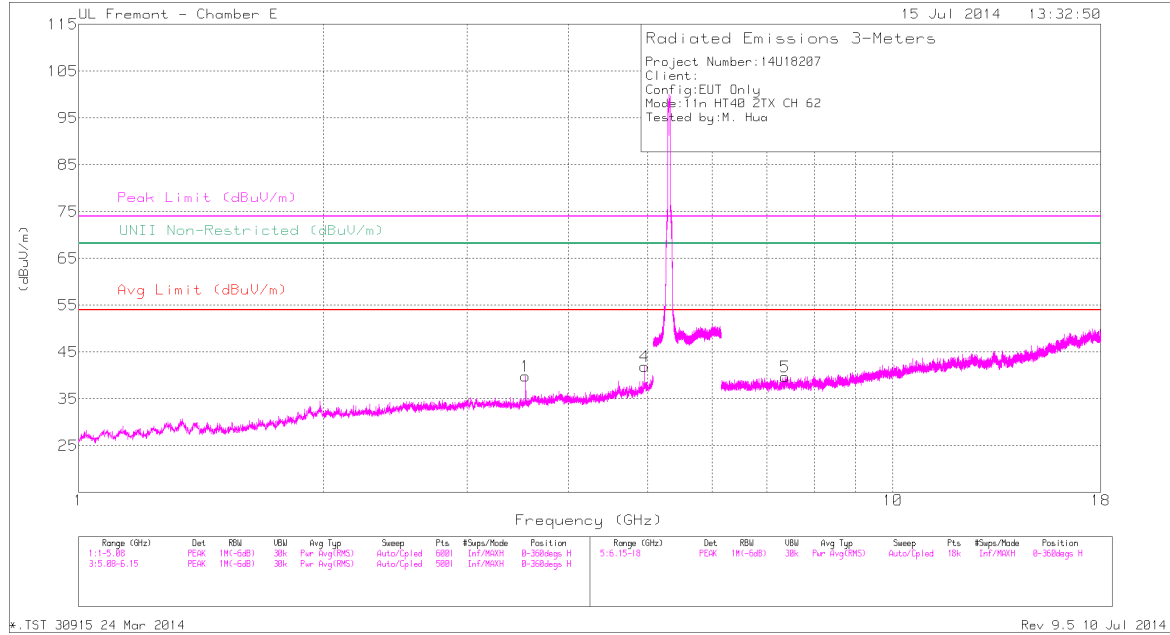
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

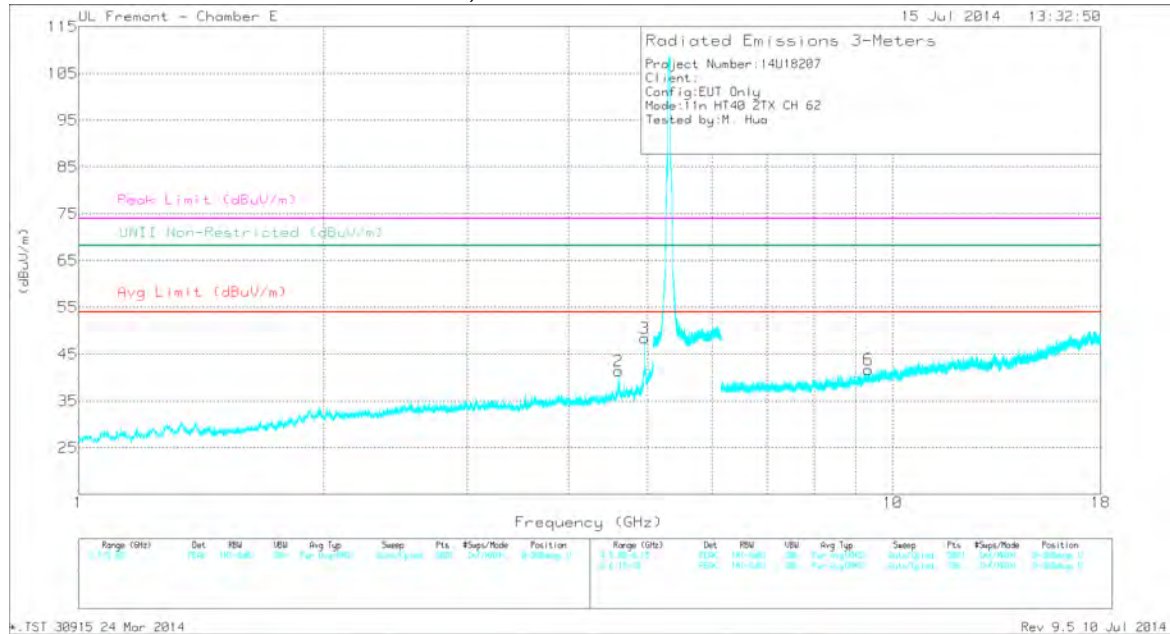
AD1 - KDB789033 Method: AD Primary Power Average

HARMONICS AND SPURIOUS EMISSIONS

HIGH CHANNEL HORIZONTAL PLOT, CH 62



HIGH CHANNEL VERTICAL PLOT, CH 62



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.54	46.48	PK1	33	-32.1	47.38	-	-	74	-26.62	-	-	313	216	H
	* 3.54	39.95	AD1	33	-32.1	40.85	54	-13.15	-	-	-	-	313	216	H
3	* 4.956	43.39	PK1	34.1	-29.7	47.79	-	-	74	-26.21	-	-	348	220	H
	* 4.956	35.21	AD1	34.1	-29.7	39.61	54	-14.39	-	-	-	-	348	220	H
2	* 4.602	43.95	PK1	34.1	-30.8	47.25	-	-	74	-26.75	-	-	356	141	V
	* 4.602	36.01	AD1	34.1	-30.8	39.31	54	-14.69	-	-	-	-	356	141	V
3	* 4.956	48.63	PK1	34.1	-29.7	53.03	-	-	74	-20.97	-	-	335	177	V
	* 4.956	42.69	AD1	34.1	-29.7	47.09	54	-6.91	-	-	-	-	335	177	V
5	* 7.367	37.84	PK1	35.7	-27	46.54	-	-	74	-27.46	-	-	254	298	H
	* 7.367	26.82	AD1	35.7	-27	35.52	54	-18.48	-	-	-	-	254	298	H
6	* 9.326	37.19	PK1	36.7	-25.3	48.59	-	-	74	-25.41	-	-	63	335	V
	* 9.325	25.63	AD1	36.7	-25.3	37.03	54	-16.97	-	-	-	-	63	335	V

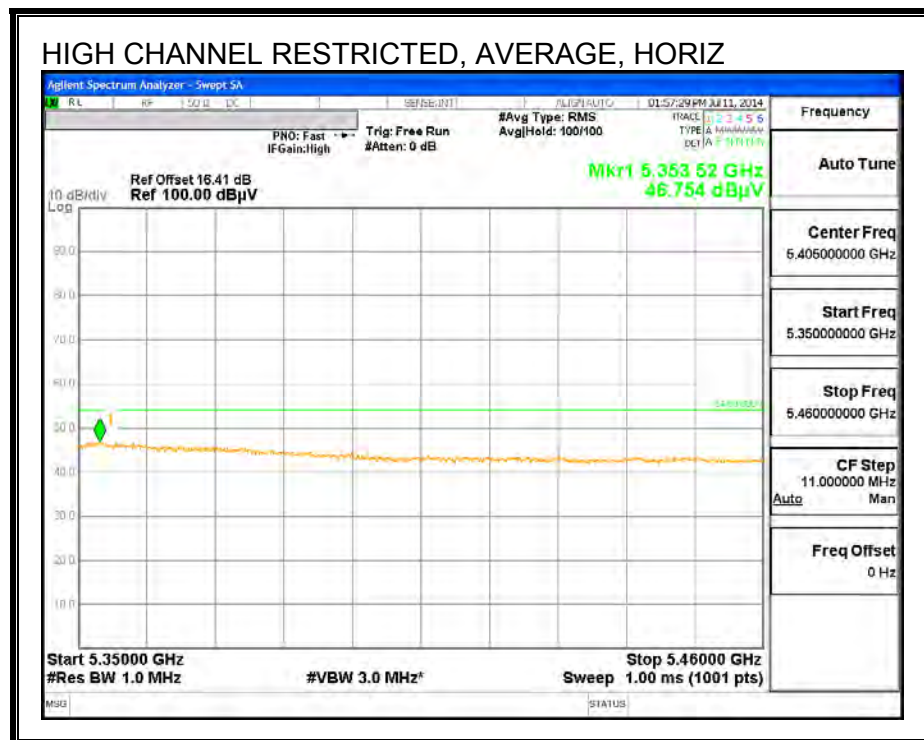
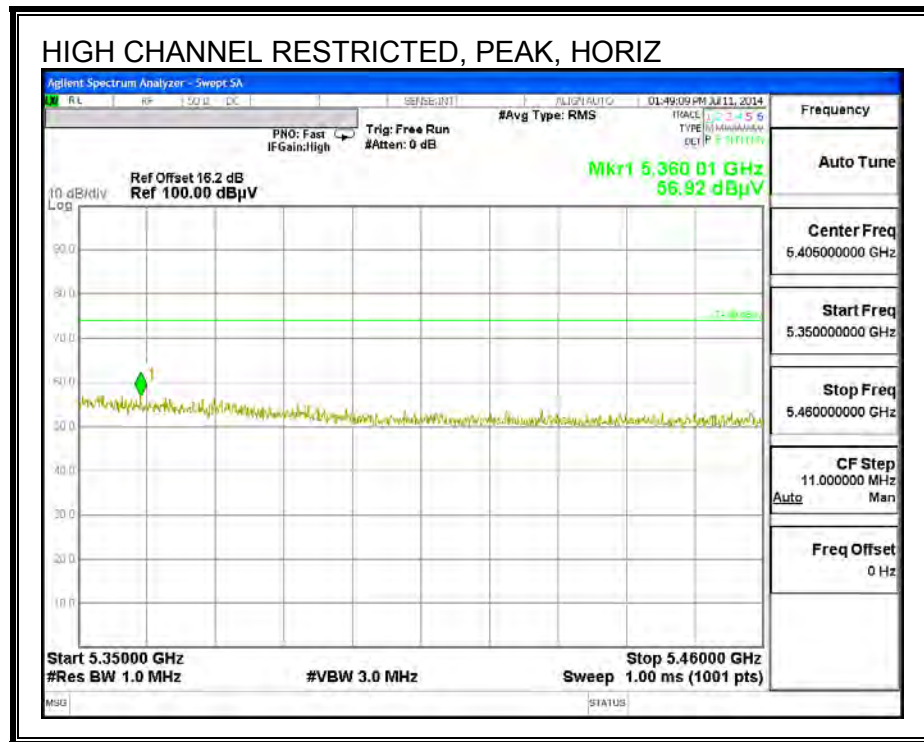
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

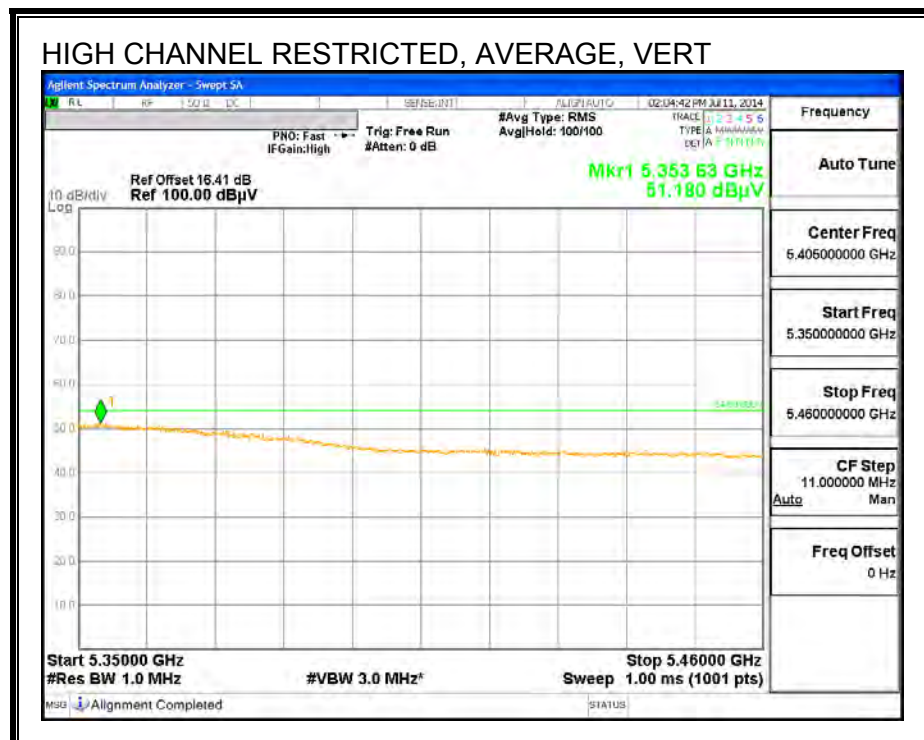
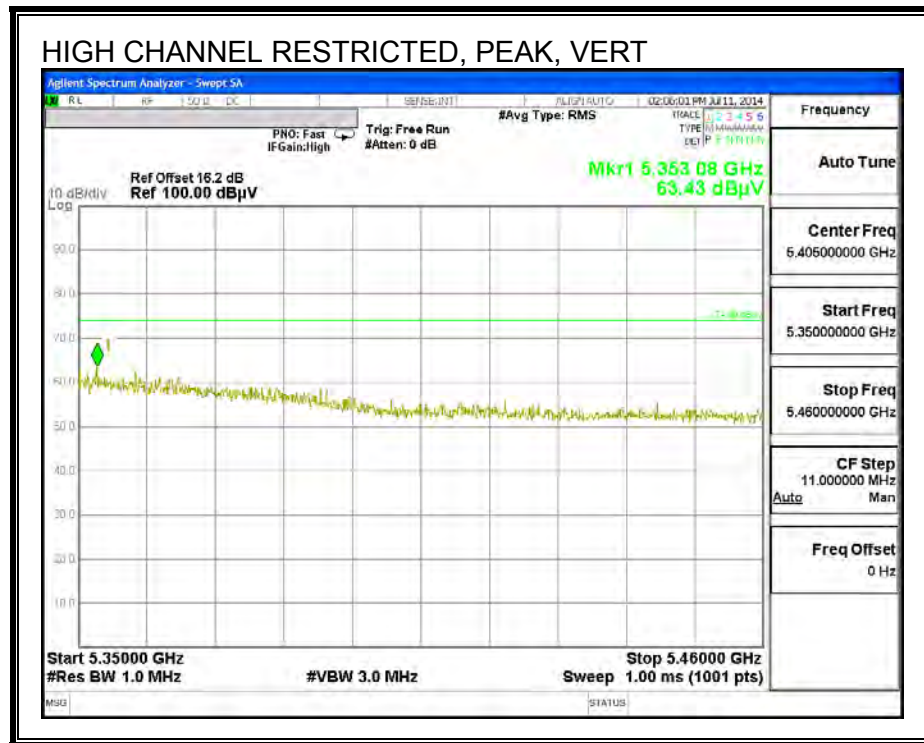
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

10.2.11. TX ABOVE 1G 802.11ac 80MHz 1TX MODE IN THE 5.3 GHz BAND

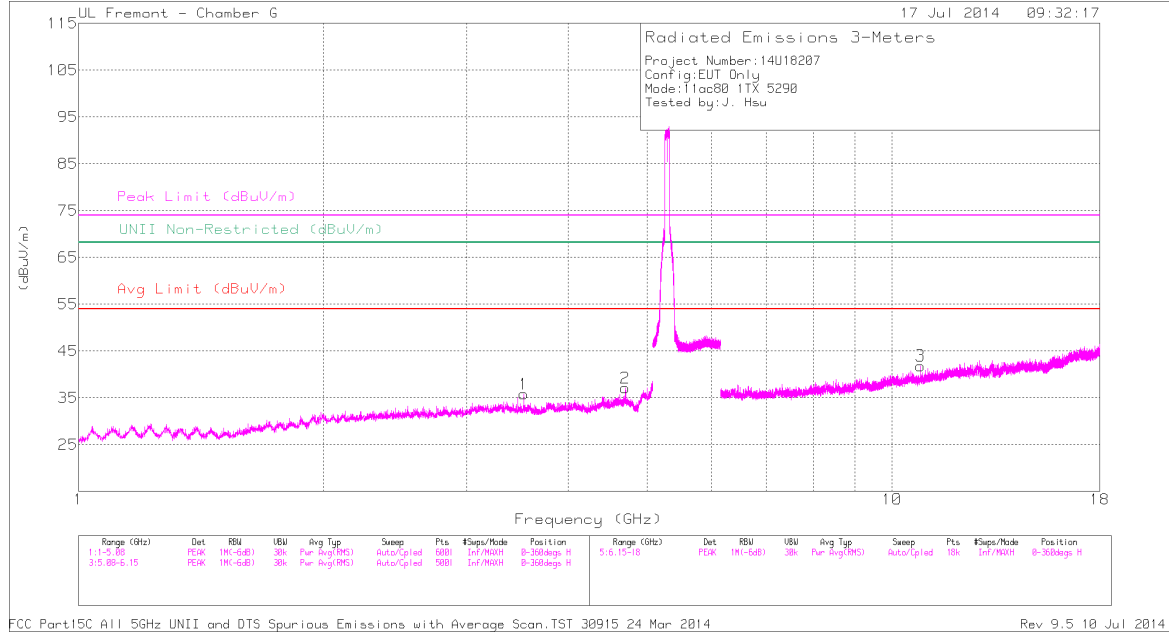
RESTRICTED BANDEDGE (HIGH CHANNEL, CH 58)



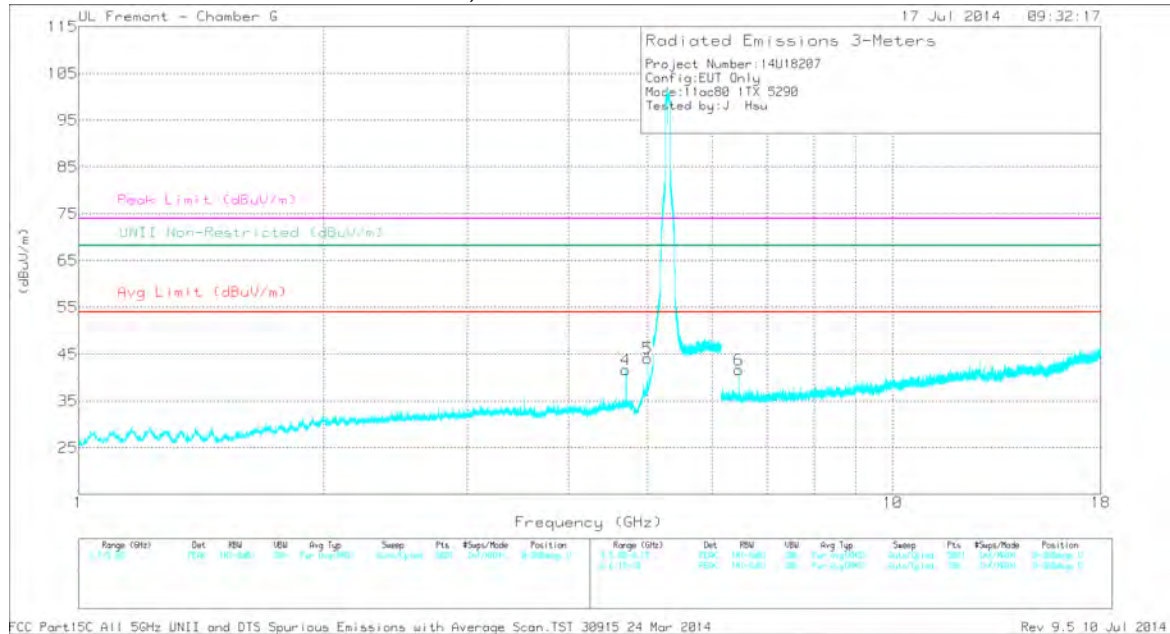


HARMONICS AND SPURIOUS EMISSIONS

HIGH CHANNEL HORIZONTAL PLOT, CH 58



HIGH CHANNEL VERTICAL PLOT, CH 58



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Ch/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.527	42.53	PK1	32.8	-33.5	0	41.83	-	-	74	-32.17	-	-	53	117	H
	* 3.527	31.03	AD1	32.8	-33.5	.21	30.54	54	-23.46	-	-	-	-	53	117	H
2	* 4.701	41.81	PK1	34	-32.9	0	42.91	-	-	74	-31.09	-	-	84	155	H
	* 4.702	30.74	AD1	34	-32.9	.21	32.05	54	-21.95	-	-	-	-	84	155	H
4	* 4.702	46.54	PK1	34	-32.9	0	47.64	-	-	74	-26.36	-	-	301	213	V
	* 4.702	39.26	AD1	34	-32.9	.21	40.57	54	-13.43	-	-	-	-	301	213	V
5	* 4.996	48.96	PK1	34.1	-32.1	0	50.96	-	-	74	-23.04	-	-	302	234	V
	* 4.996	40.37	AD1	34.1	-32.1	.21	42.58	54	-11.42	-	-	-	-	302	234	V
3	* 10.844	37.85	PK1	37.7	-26.5	0	49.05	-	-	74	-24.95	-	-	230	198	H
	* 10.843	25.57	AD1	37.7	-26.5	.21	36.98	54	-17.02	-	-	-	-	230	198	H
6	6.466	44.99	PK1	35.6	-31.8	0	48.79	-	-	-	-	68.2	-19.41	355	180	V

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

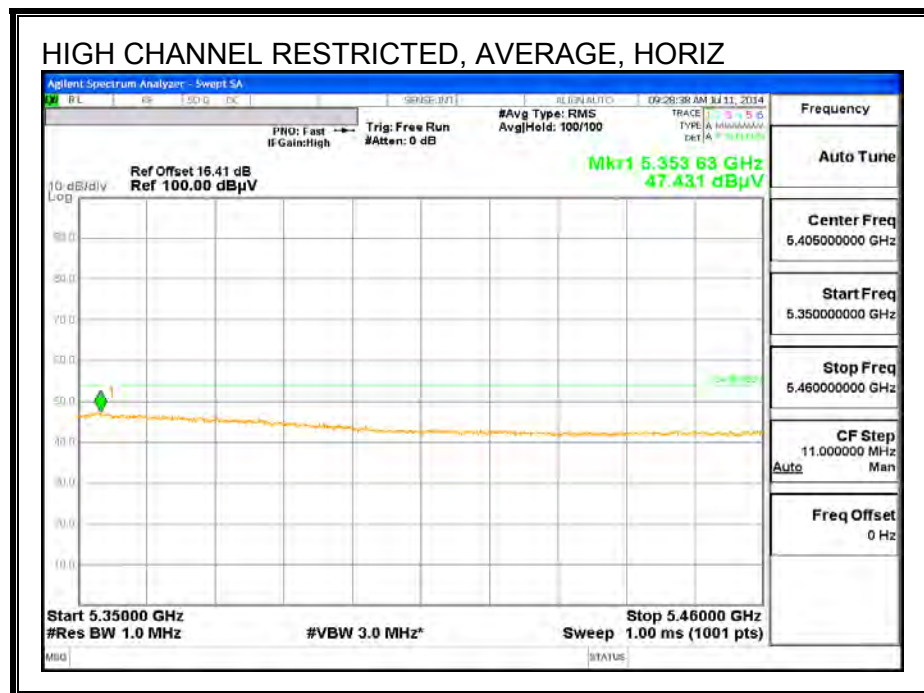
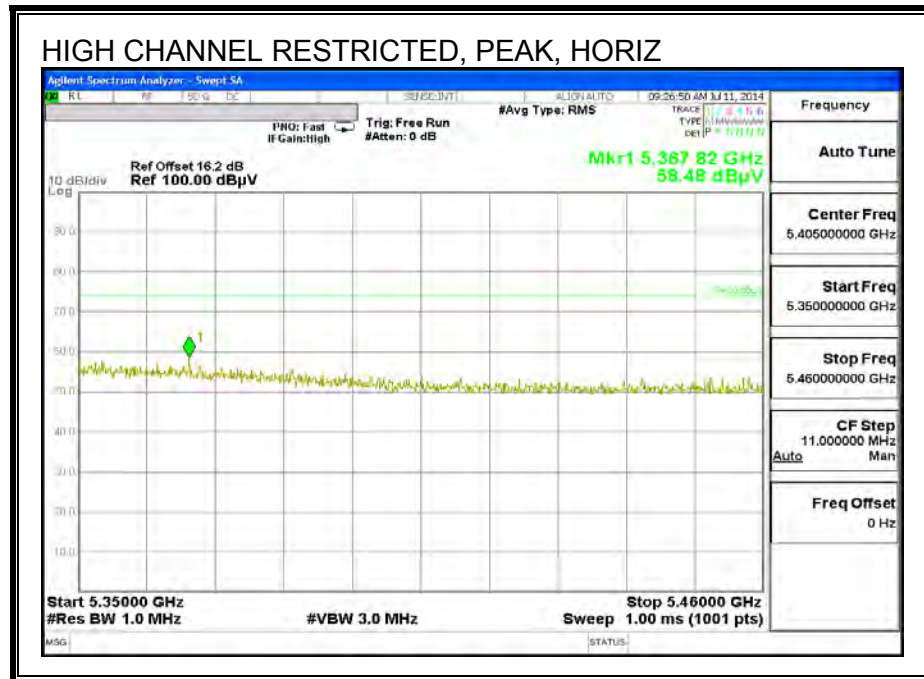
PK1 - KDB789033 Method: Peak

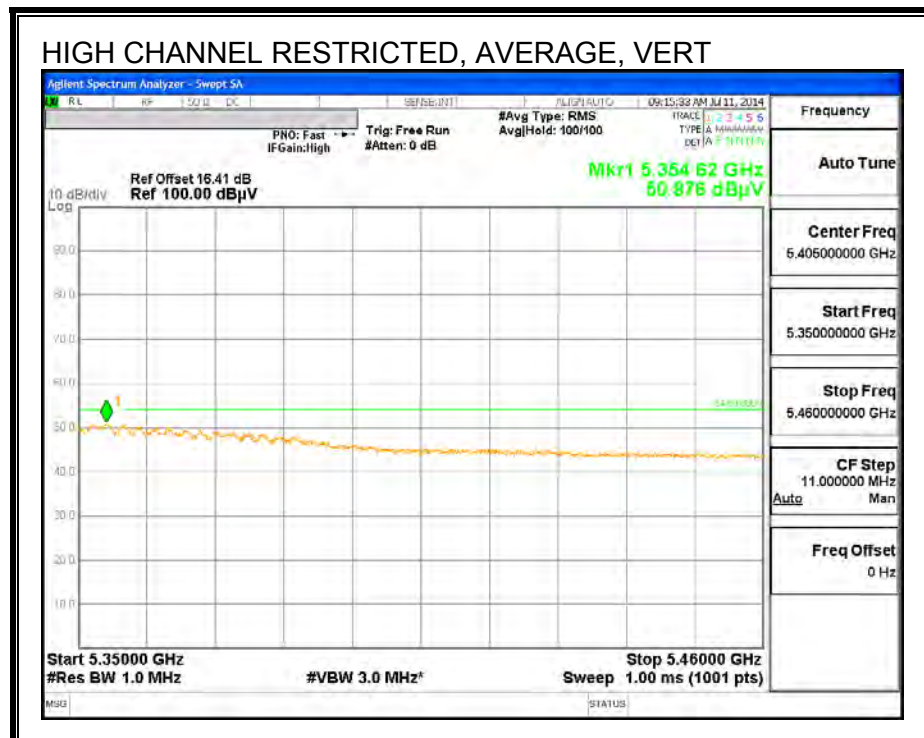
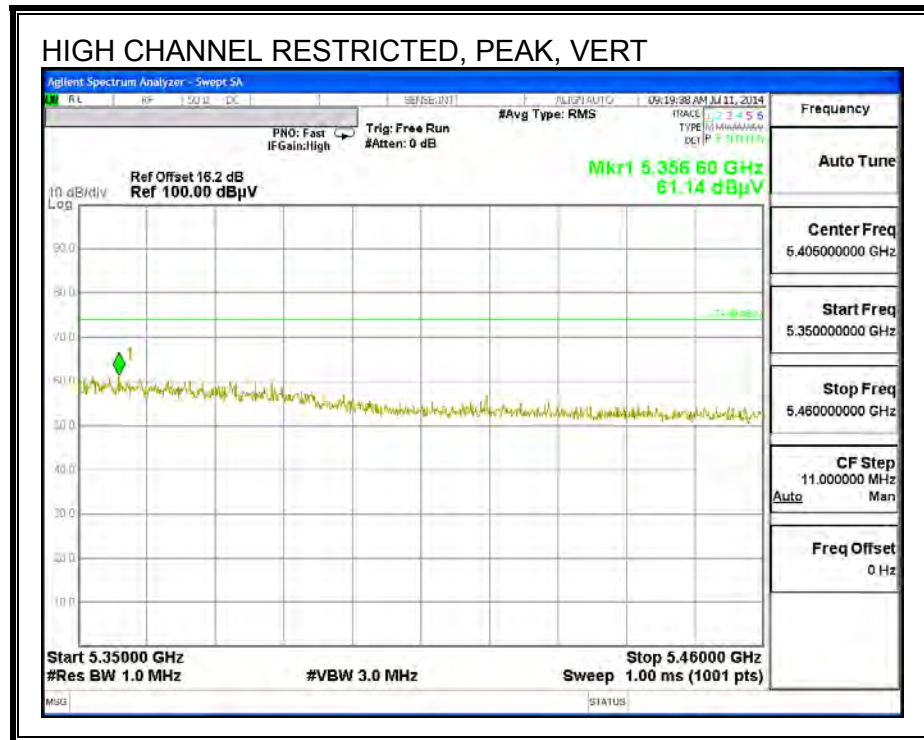
AD1 - KDB789033 Method: AD Primary Power Average

10.2.12. TX ABOVE 1G 802.11ac 80MHz 2TX MODE IN THE 5.3 GHz BAND

All radiated tests for 802.11ac VHT80 were conducted with CDD mode at the elevated power of STBC mode. This configuration is considered representative of both modes.

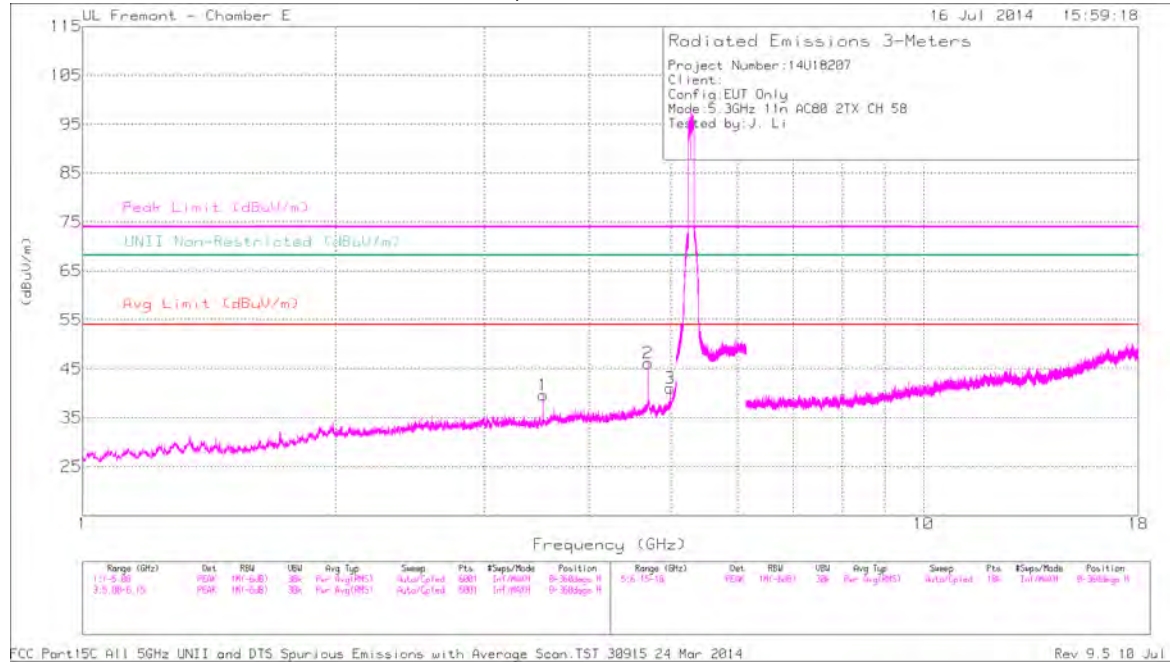
RESTRICTED BANDEDGE (HIGH CHANNEL, CH 58)



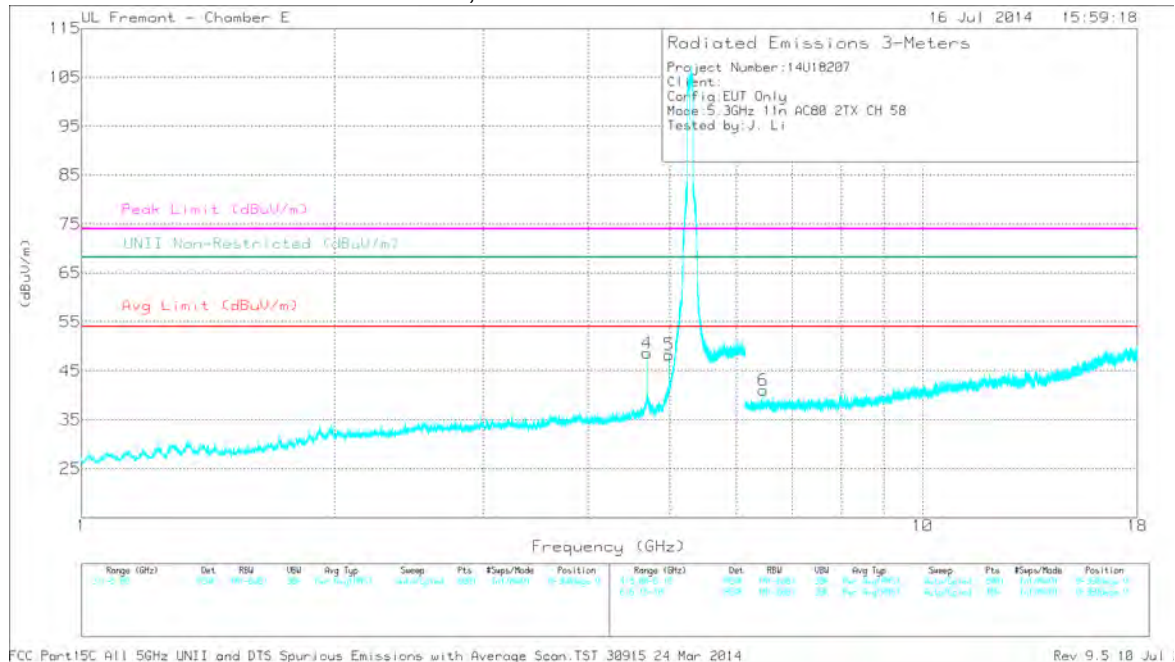


HARMONICS AND SPURIOUS EMISSIONS

HIGH CHANNEL HORIZONTAL PLOT, CH 58



HIGH CHANNEL VERTICAL PLOT, CH 58



DATA

Radiated Emissions

Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.527	44.95	PK1	33	-32.1	0	45.85	-	-	74	-28.15	-	-	131	216	H
	* 3.527	38.07	AD1	33	-32.1	.21	39.18	54	-14.82	-	-	-	-	131	216	H
2	* 4.702	46.96	PK1	34.2	-30	0	51.16	-	-	74	-22.84	-	-	137	135	H
	* 4.702	41.52	AD1	34.2	-30	.21	45.93	54	-8.07	-	-	-	-	137	135	H
3	* 4.997	43.37	PK1	34.1	-29.1	0	48.37	-	-	74	-25.63	-	-	171	242	H
	* 4.996	33.45	AD1	34.1	-29.1	.21	38.66	54	-15.34	-	-	-	-	171	242	H
4	* 4.702	50.2	PK1	34.2	-30	0	54.4	-	-	74	-19.6	-	-	160	128	V
	* 4.702	46.1	AD1	34.2	-30	.21	50.51	54	-3.49	-	-	-	-	160	128	V
5	* 4.996	48.43	PK1	34.1	-29.1	0	53.43	-	-	74	-20.57	-	-	152	313	V
	* 4.996	39.15	AD1	34.1	-29.1	.21	44.36	54	-9.64	-	-	-	-	152	313	V
6	6.466	42.65	PK1	35.6	-29.1	0	49.15	-	-	-	-	68.2	-19.05	192	141	V

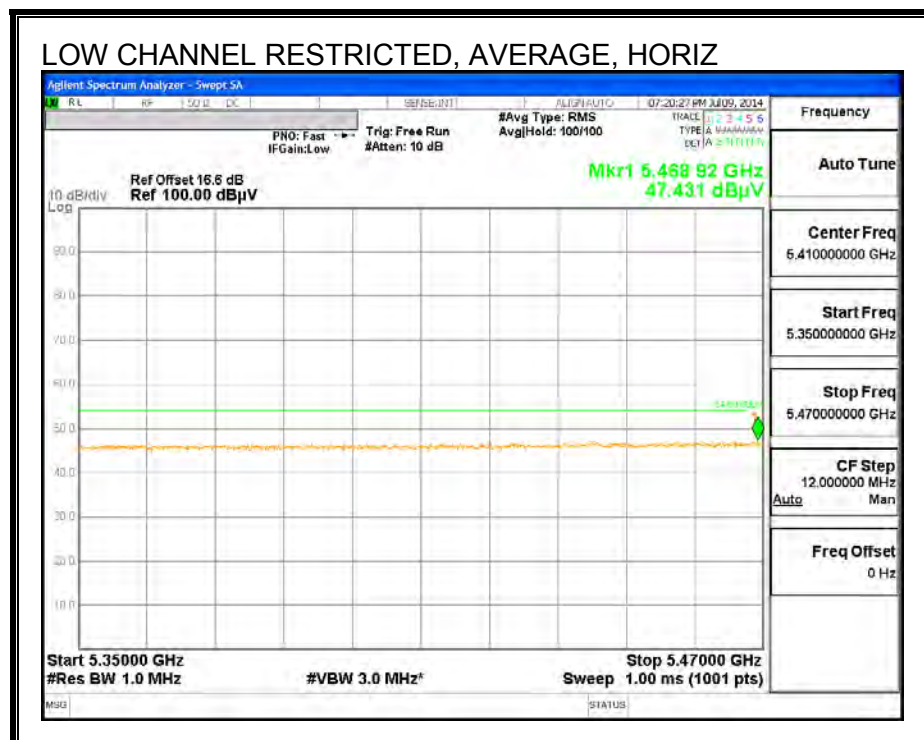
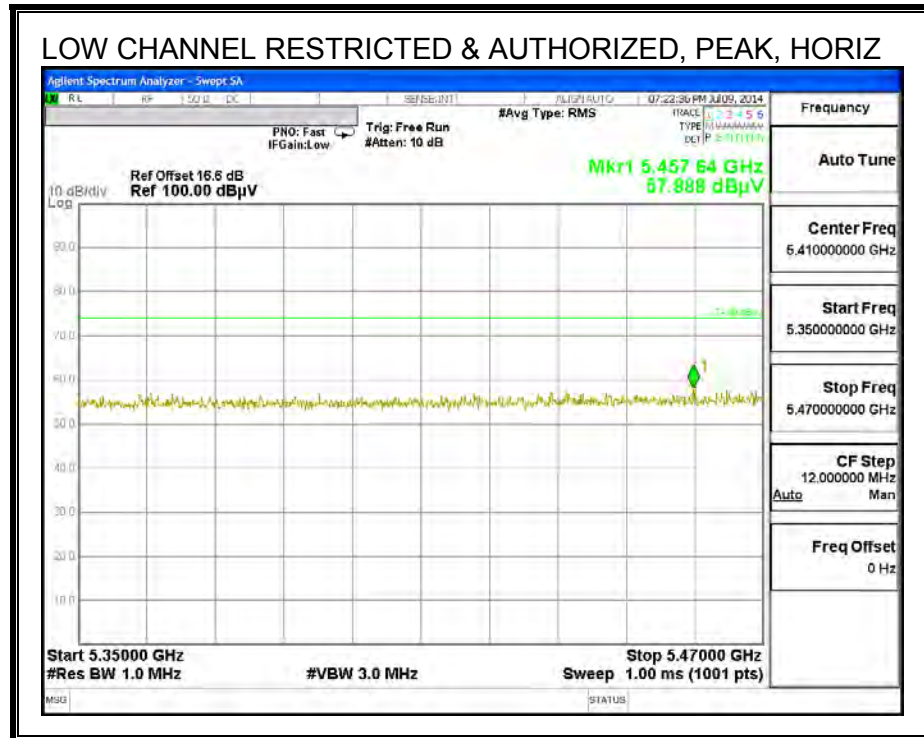
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

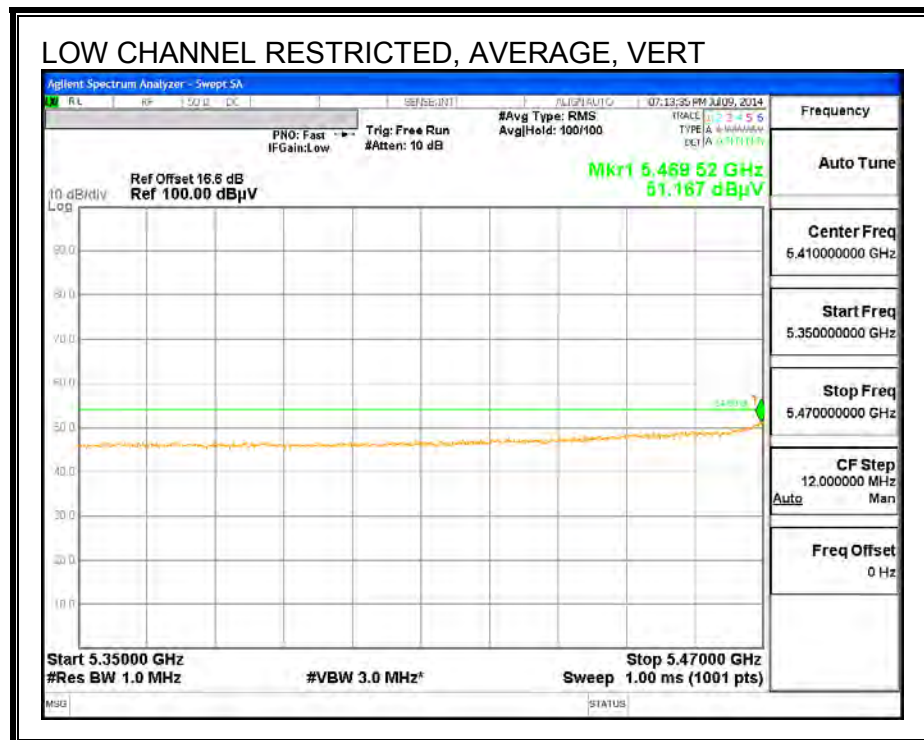
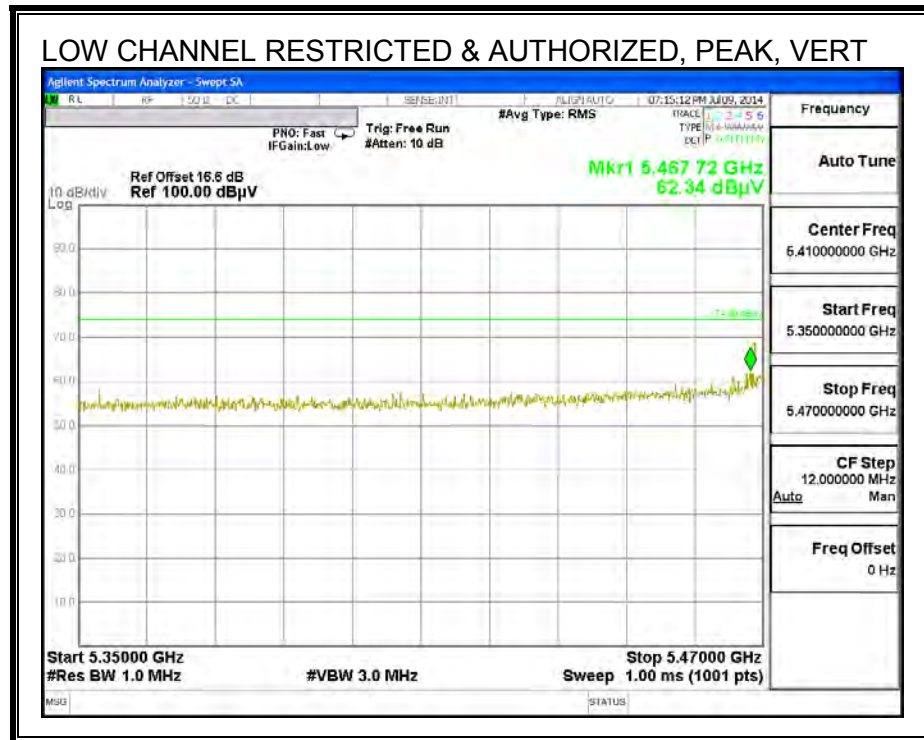
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

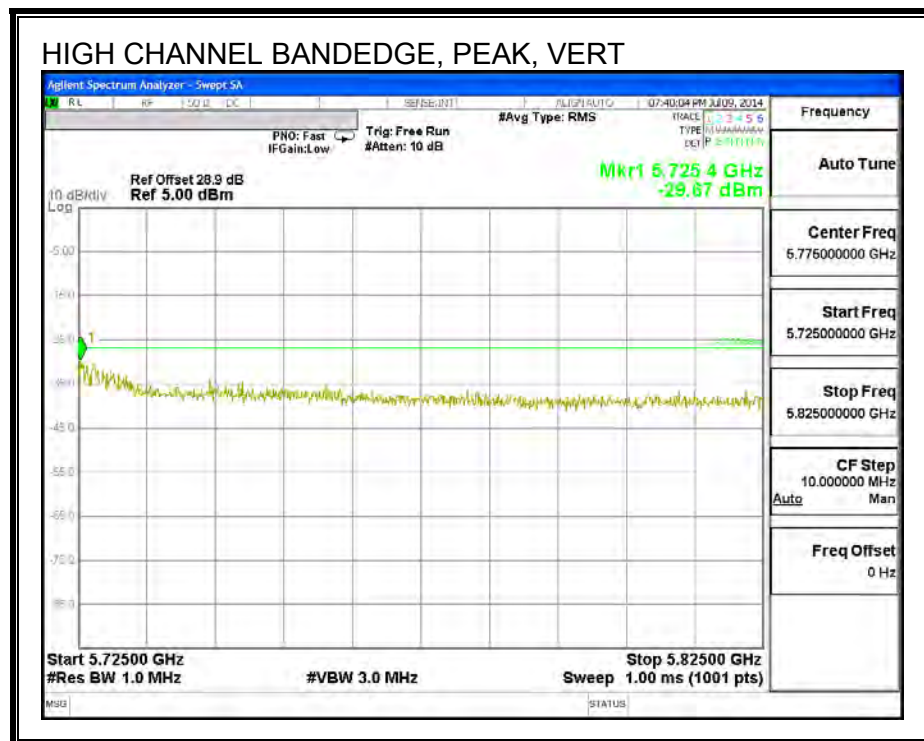
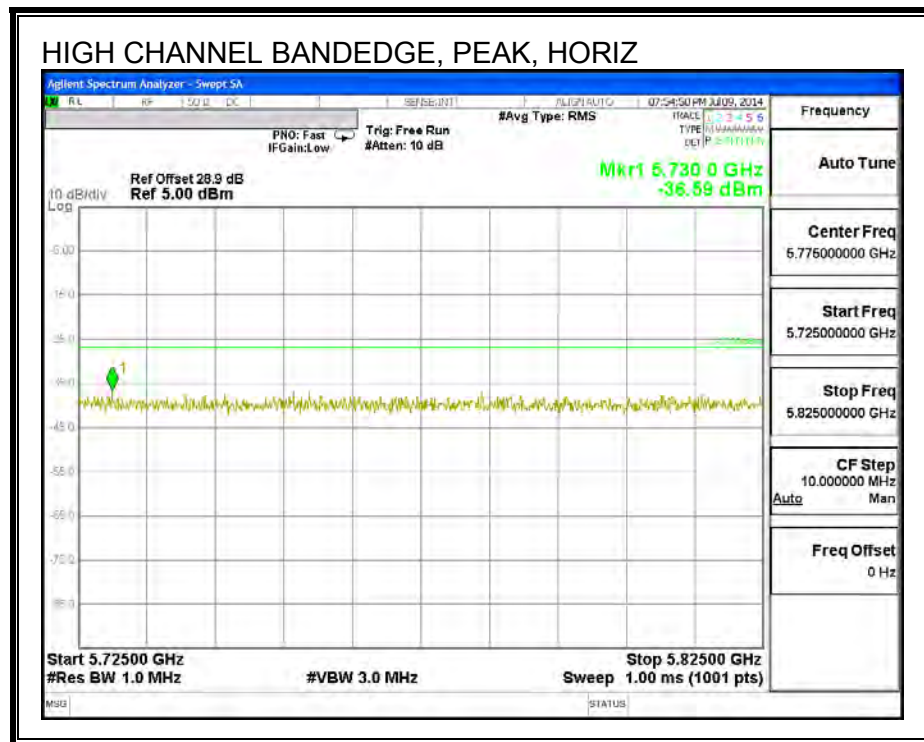
10.2.13. TX ABOVE 1 GHz 802.11a 1TX MODE IN THE 5.6 GHz BAND

RESTRICTED & AUTHORIZED BANDEDGE (LOW CHANNEL)

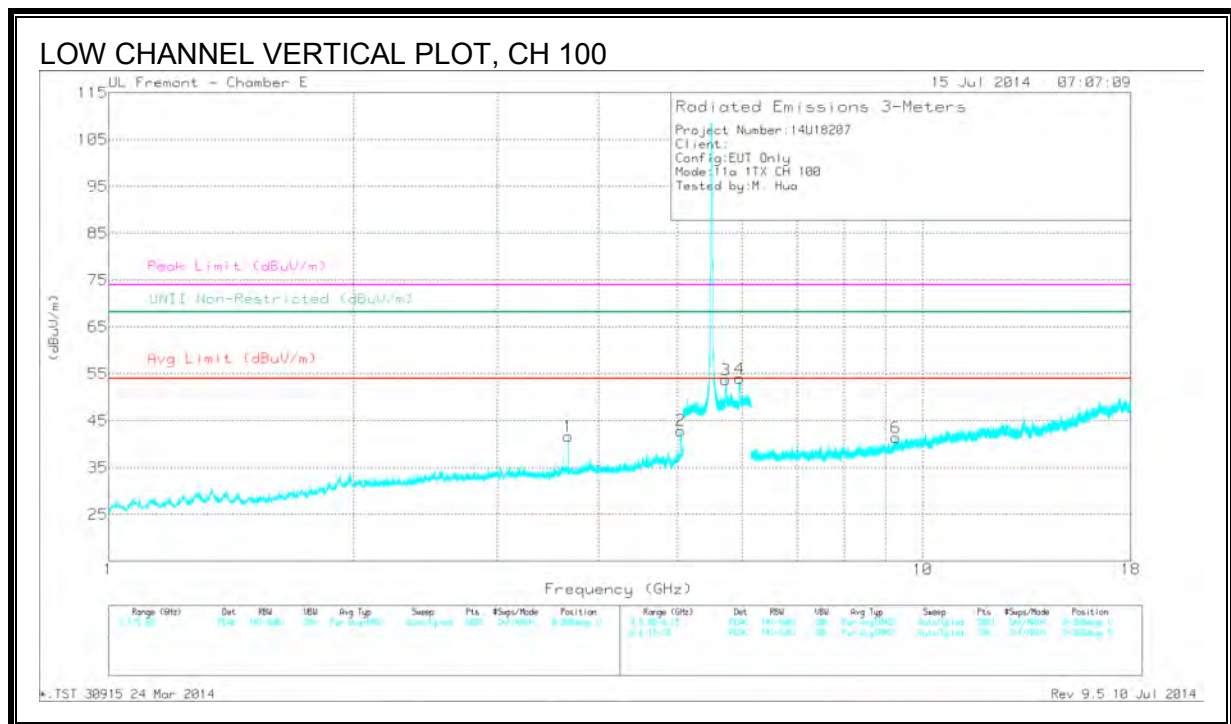
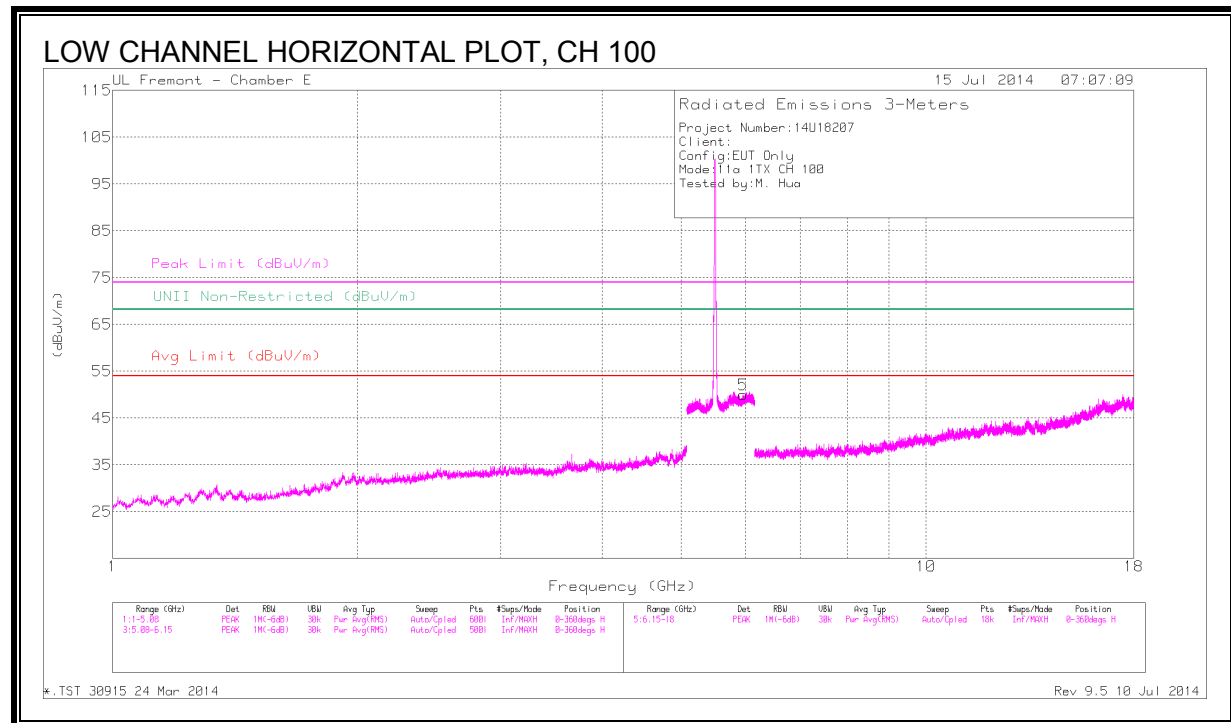




AUTHORIZED BANDEDGE (HIGH CHANNEL)



HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.667	45.21	PK1	33.3	-30.9	47.61	-	-	74	-26.39	-	-	304	233	V
	* 3.667	38.84	AD1	33.3	-30.9	41.24	54	-12.76	-	-	-	-	304	233	V
2	* 5.041	47.02	PK1	34.1	-28.9	52.22	-	-	74	-21.78	-	-	26	211	V
	* 5.042	36.63	AD1	34.1	-28.8	41.93	54	-12.07	-	-	-	-	26	211	V
3	5.724	48.37	PK1	34.8	-20.8	62.37	-	-	-	-	68.2	-5.83	20	197	V
4	5.952	48.26	PK1	35.2	-20.8	62.66	-	-	-	-	68.2	-5.54	19	184	V
5	5.961	45.24	PK1	35.2	-20.9	59.54	-	-	-	-	68.2	-8.66	338	383	H
6	9.264	38.2	PK1	36.6	-25.2	49.6	-	-	-	-	68.2	-18.6	203	154	V

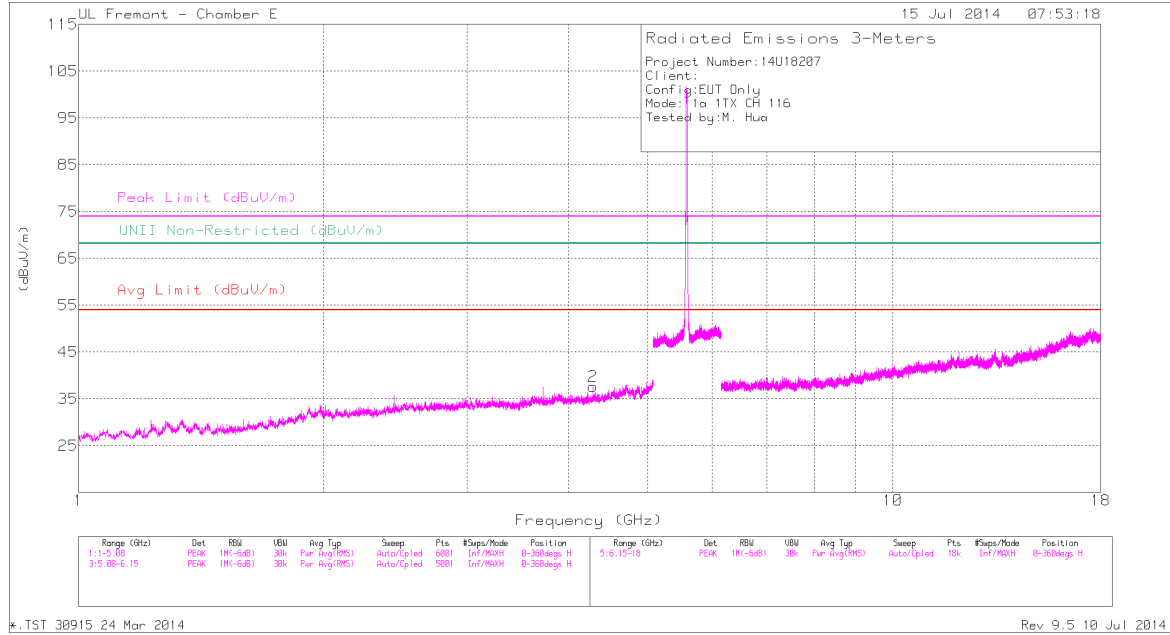
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

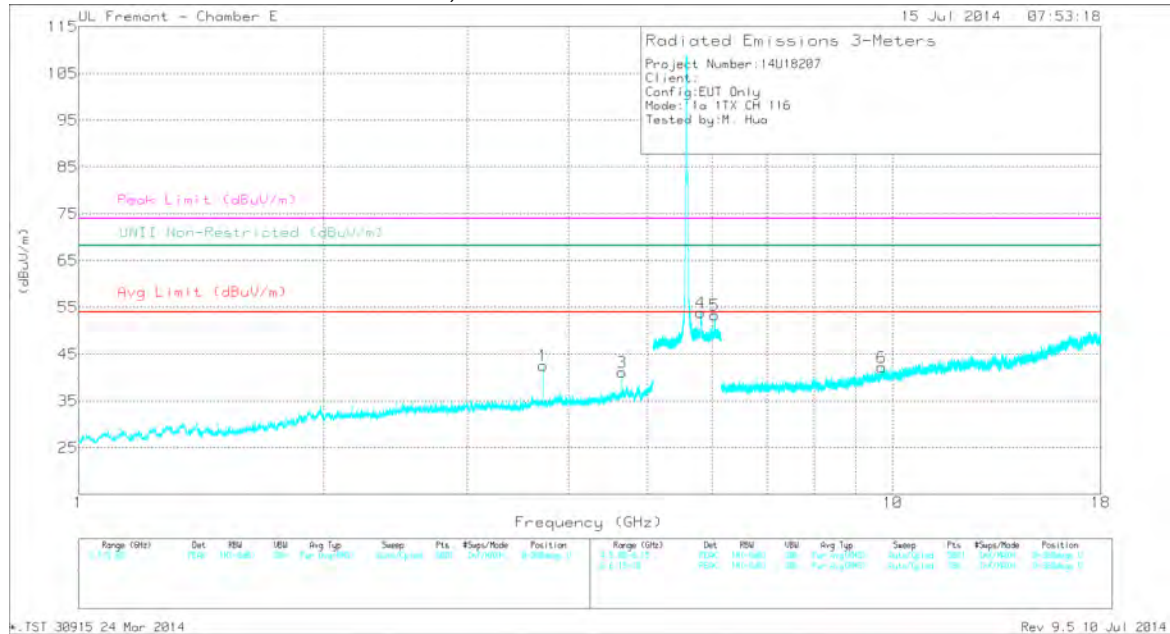
AD1 - KDB789033 Method: AD Primary Power Average

HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL HORIZONTAL PLOT, CH 116



MID CHANNEL VERTICAL PLOT, CH 116



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cb/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 4.282	40.97	PK1	33.5	-30.5	43.97	-	-	74	-30.03	-	-	110	354	H
	* 4.284	29.54	AD1	33.6	-30.5	32.64	54	-21.36	-	-	-	-	110	354	H
1	* 3.72	47.33	PK1	33.3	-31.8	48.83	-	-	74	-25.17	-	-	307	266	V
	* 3.72	41.8	AD1	33.3	-31.8	43.3	54	-10.7	-	-	-	-	307	266	V
3	* 4.65	43.15	PK1	34.1	-29.8	47.45	-	-	74	-26.55	-	-	51	180	V
	* 4.65	36.2	AD1	34.1	-29.8	40.5	54	-13.5	-	-	-	-	51	180	V
4	5.805	49.03	PK1	34.9	-20.5	63.43	-	-	-	-	68.2	-4.77	31	190	V
5	6.045	46.68	PK1	35.3	-20.5	61.48	-	-	-	-	68.2	-6.72	21	148	V
6	9.698	37.23	PK1	37.1	-24.7	49.63	-	-	-	-	68.2	-18.57	336	175	V

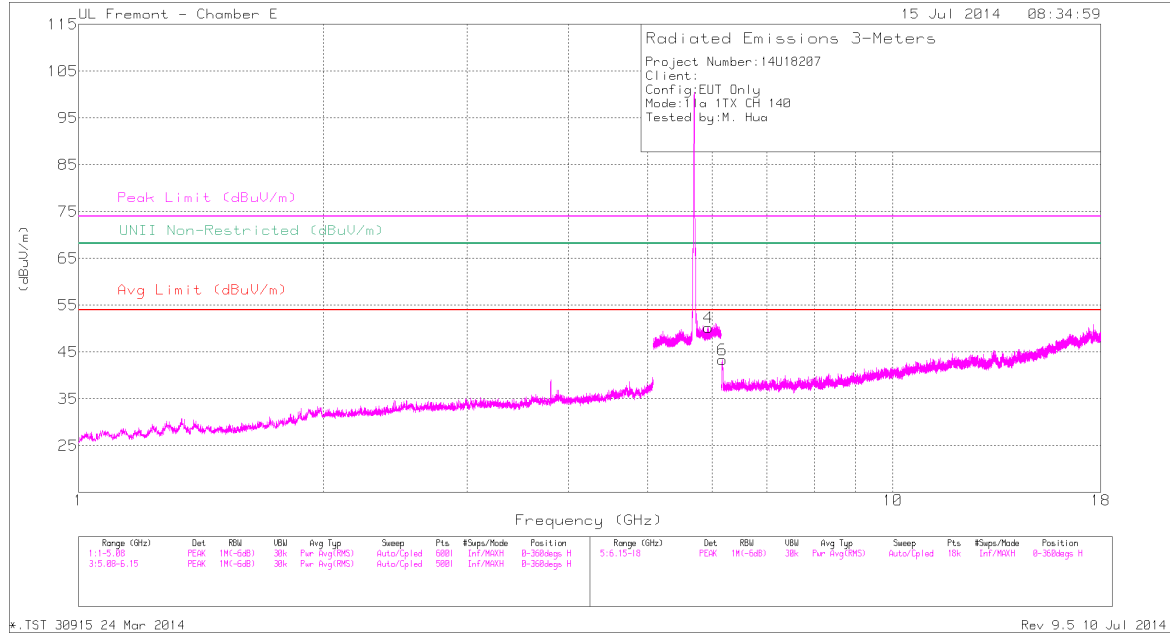
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

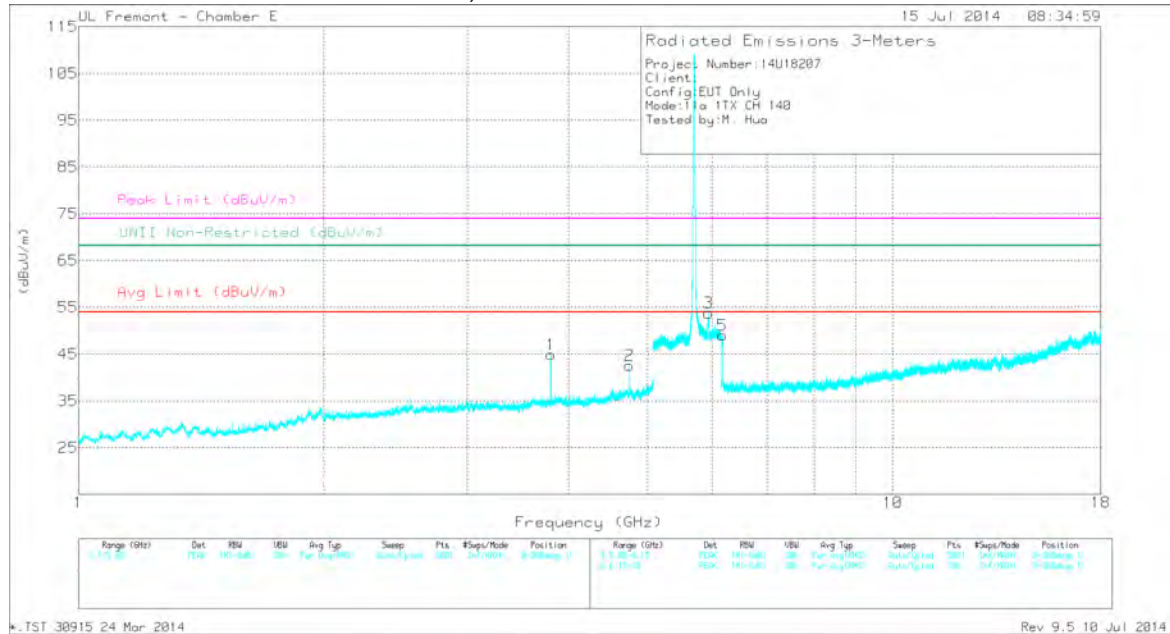
AD1 - KDB789033 Method: AD Primary Power Average

HARMONICS AND SPURIOUS EMISSIONS

HIGH CHANNEL HORIZONTAL PLOT, CH 140



HIGH CHANNEL VERTICAL PLOT, CH140



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.75	46.94	PK1	34.1	-30.6	50.44	-	-	74	-23.56	-	-	62	231	V
	* 4.75	40.4	AD1	34.1	-30.6	43.9	54	-10.1	-	-	-	-	62	231	V
2	* 3.8	48.04	PK1	33.4	-32	49.44	-	-	74	-24.56	-	-	311	228	V
	* 3.8	43.42	AD1	33.4	-32	44.82	54	-9.18	-	-	-	-	311	228	V
4	5.934	47.39	PK1	35.2	-20.6	61.99	-	-	-	-	68.2	-6.21	24	179	V
3	5.936	44.76	PK1	35.2	-20.6	59.36	-	-	-	-	68.2	-8.84	3	329	H
5	6.175	48.72	PK1	35.4	-29.3	54.82	-	-	-	-	68.2	-13.38	345	307	H
6	6.175	51.42	PK1	35.4	-29.3	57.52	-	-	-	-	68.2	-10.68	16	176	V

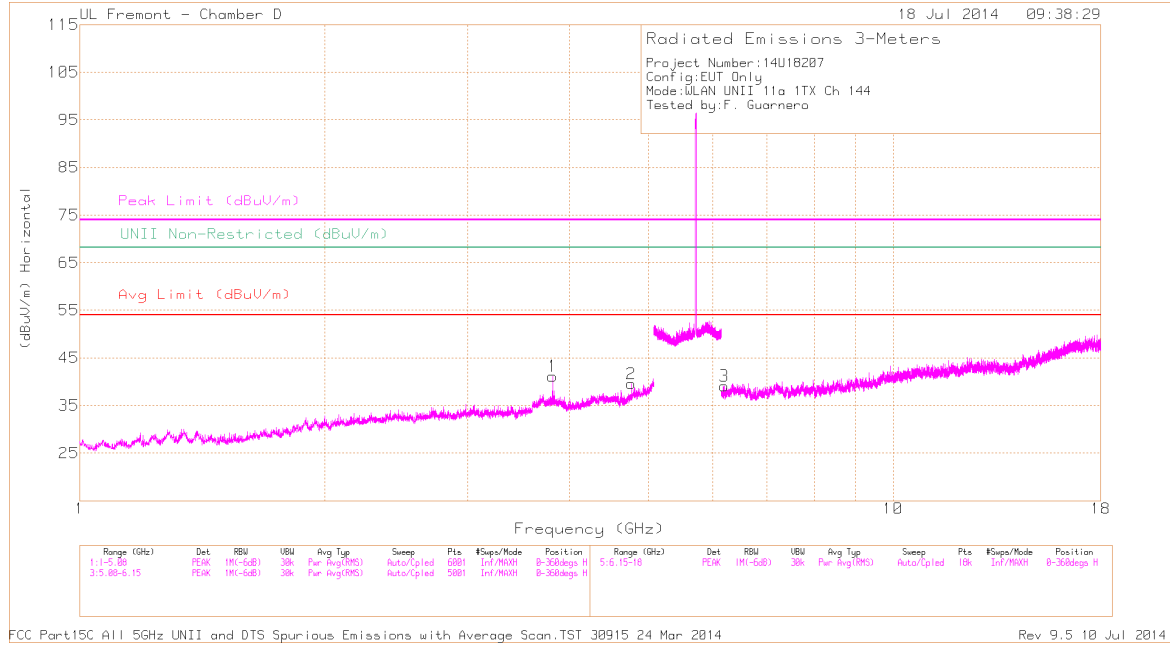
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

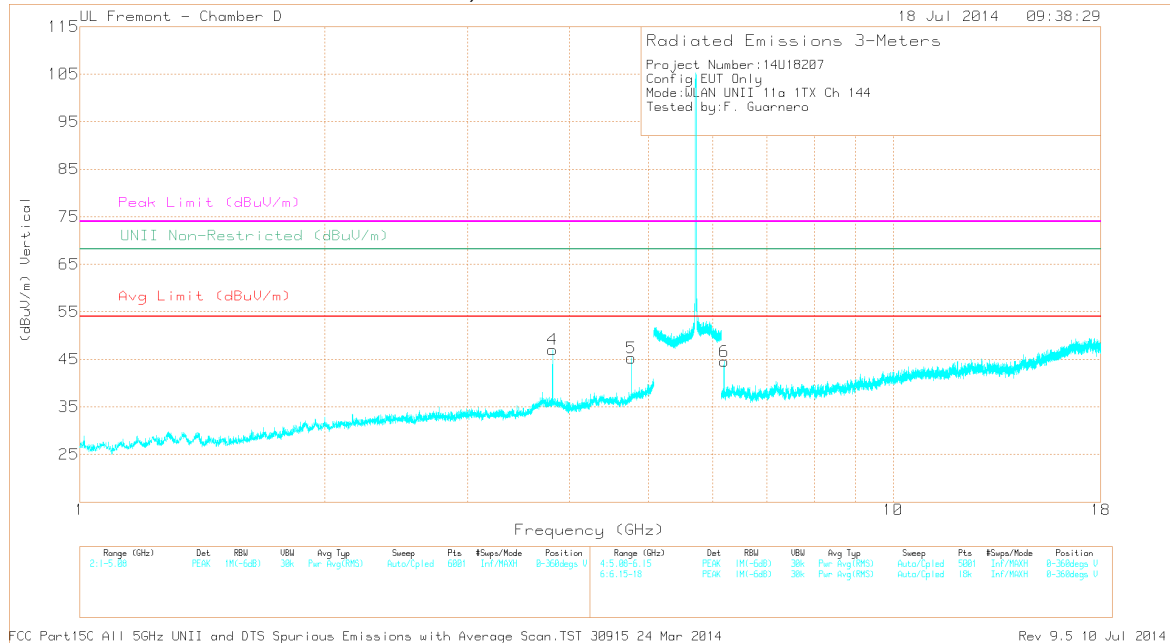
AD1 - KDB789033 Method: AD Primary Power Average

HARMONICS AND SPURIOUS EMISSIONS

HIGH CHANNEL HORIZONTAL PLOT, CH 144



HIGH CHANNEL VERTICAL PLOT, CH144



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.813	41.35	PK1	33.4	-28.9	45.85	-	-	74	-28.15	-	-	263	257	H
	* 3.813	34.16	AD1	33.4	-28.9	38.66	54	-15.34	-	-	-	-	263	257	H
2	* 4.766	40.27	PK1	34.2	-27.1	47.37	-	-	74	-26.63	-	-	24	246	H
	* 4.767	31.51	AD1	34.2	-27.1	38.61	54	-15.39	-	-	-	-	24	246	H
4	* 3.813	45.39	PK1	33.4	-28.9	49.89	-	-	74	-24.11	-	-	287	243	V
	* 3.813	41.13	AD1	33.4	-28.9	45.63	54	-8.37	-	-	-	-	287	243	V
5	* 4.767	42.41	PK1	34.2	-27.1	49.51	-	-	74	-24.49	-	-	38	195	V
	* 4.767	36.31	AD1	34.2	-27.1	43.41	54	-10.59	-	-	-	-	38	195	V
6	6.198	43.8	PK1	35.5	-26.3	53	-	-	-	-	68.2	-15.2	347	178	V
3	6.204	39.4	PK1	35.5	-26.3	48.6	-	-	-	-	68.2	-19.6	329	368	H

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

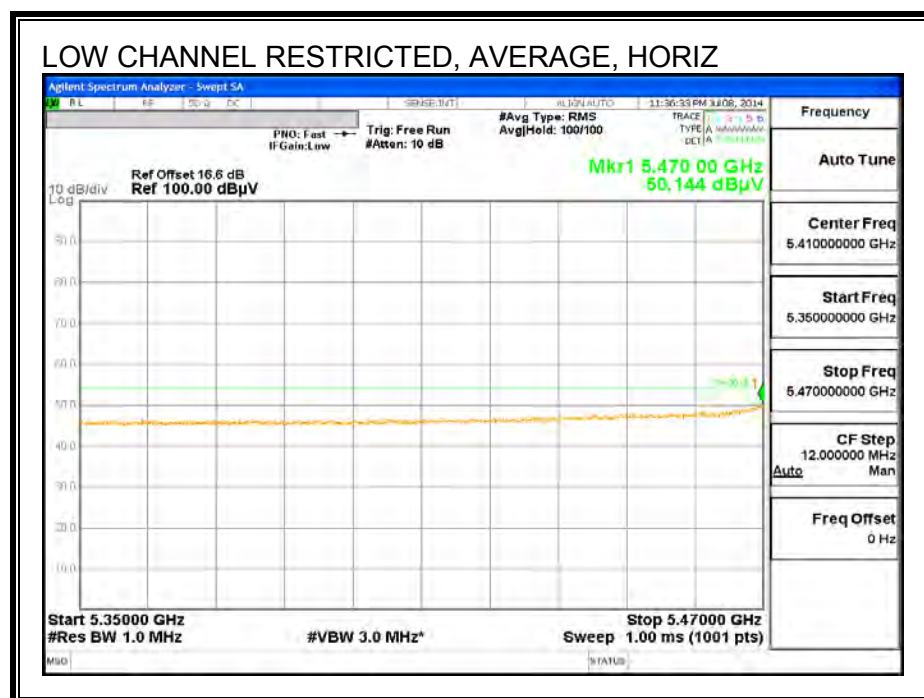
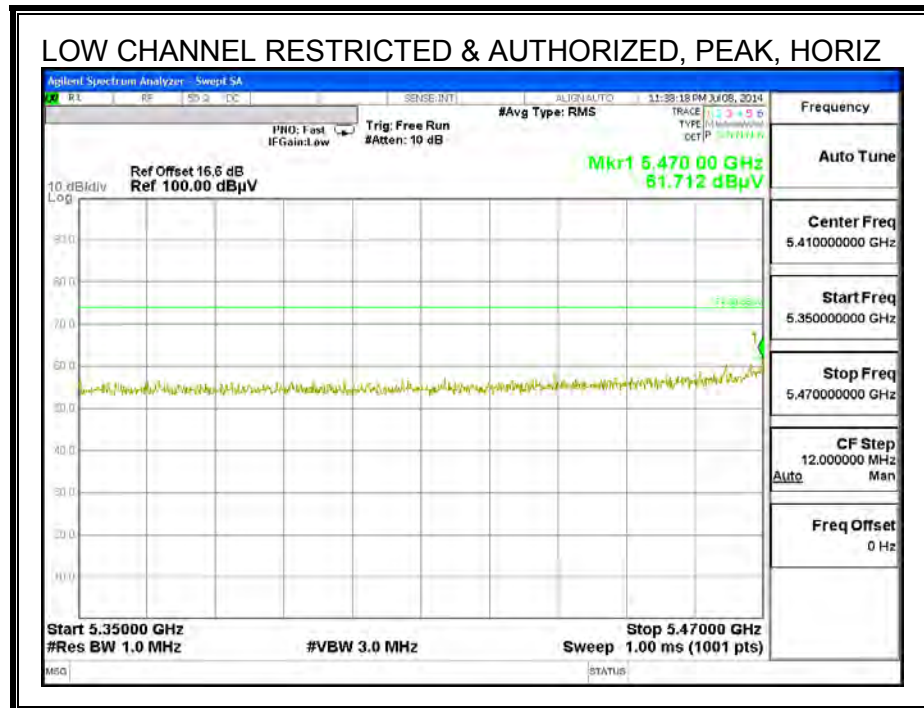
PK1 - KDB789033 Method: Peak

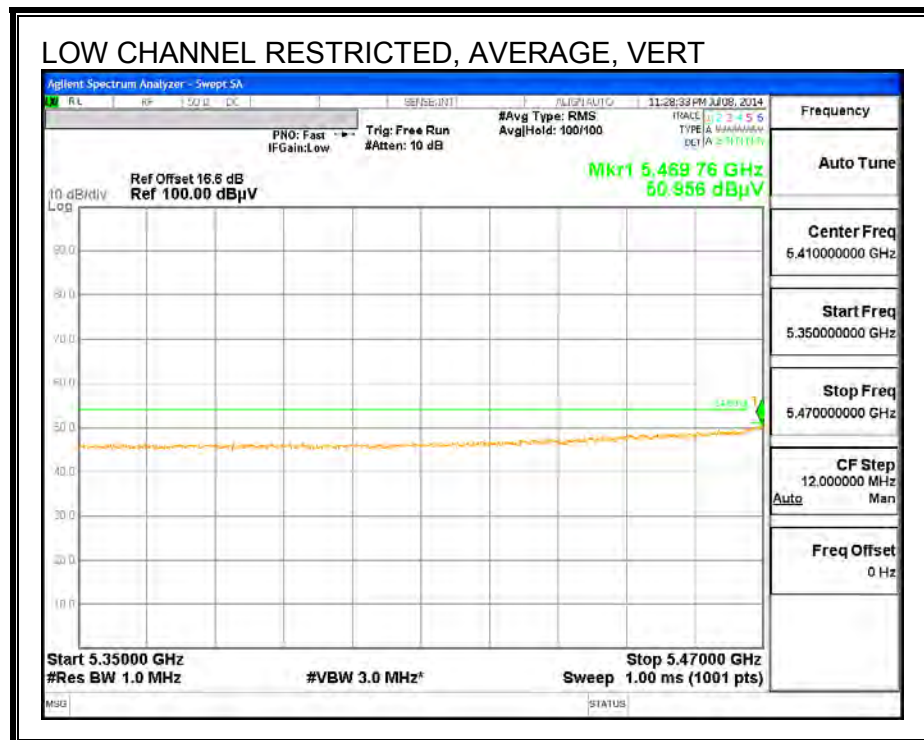
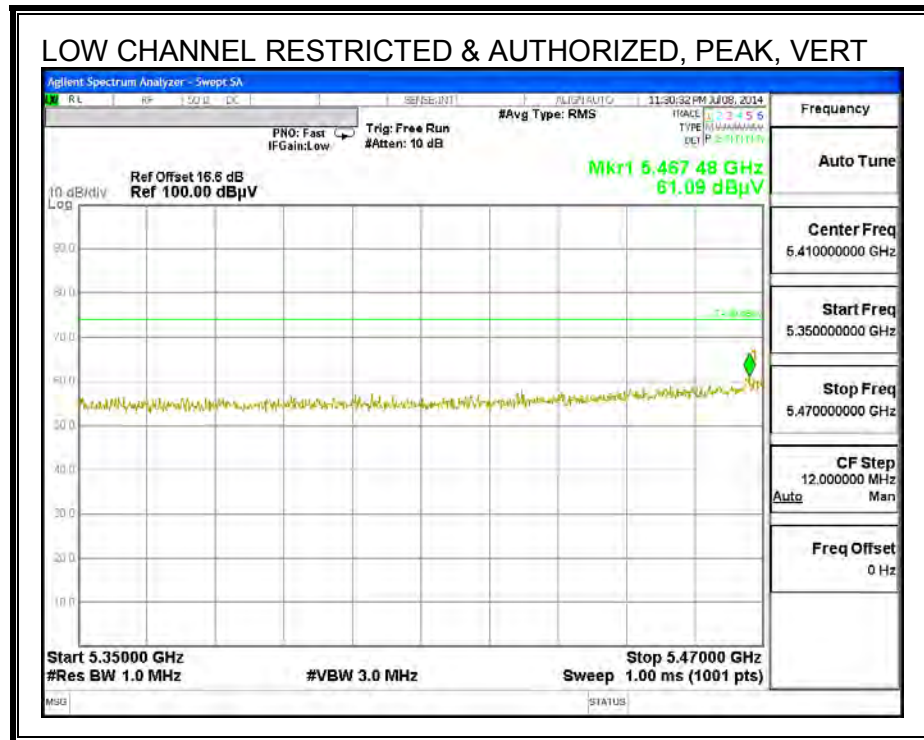
AD1 - KDB789033 Method: AD Primary Power Average

10.2.14. TX ABOVE 1 GHz 802.11n HT20 CDD 2TX MODE IN THE 5.6 GHz BAND

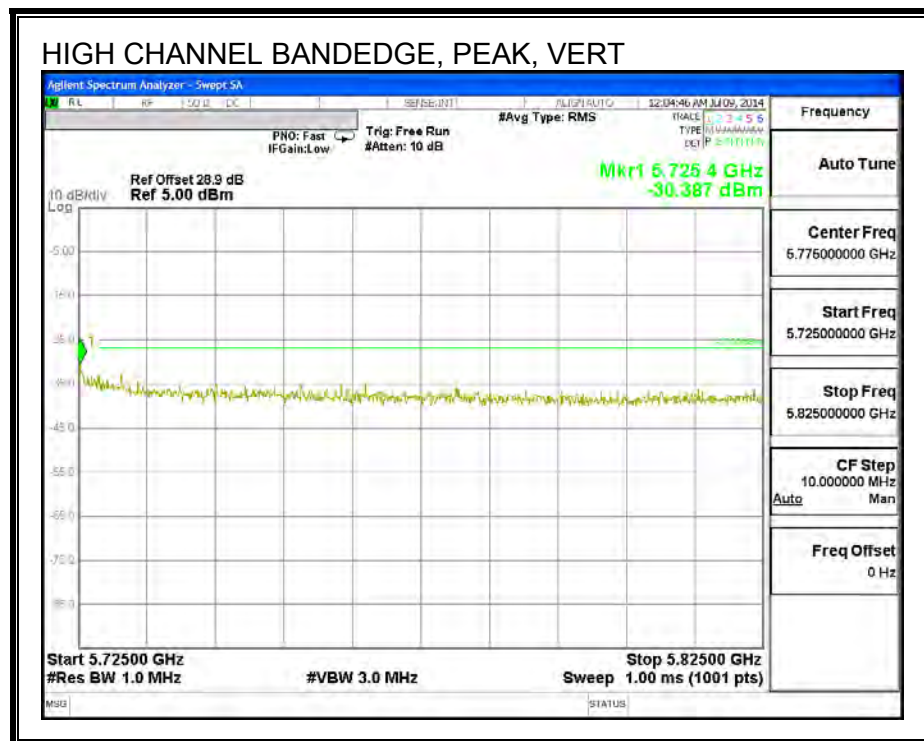
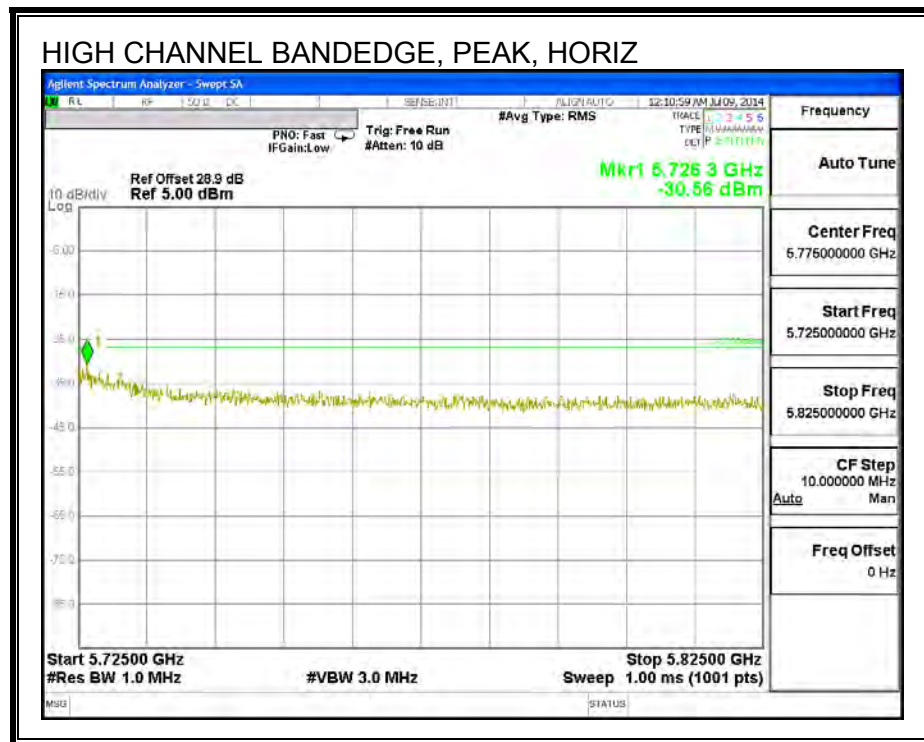
All radiated tests for 802.11n HT20 were conducted with CDD mode at the elevated power of STBC mode. This configuration is considered representative of both modes.

RESTRICTED & AUTHORIZED BANDEDGE (LOW CHANNEL)



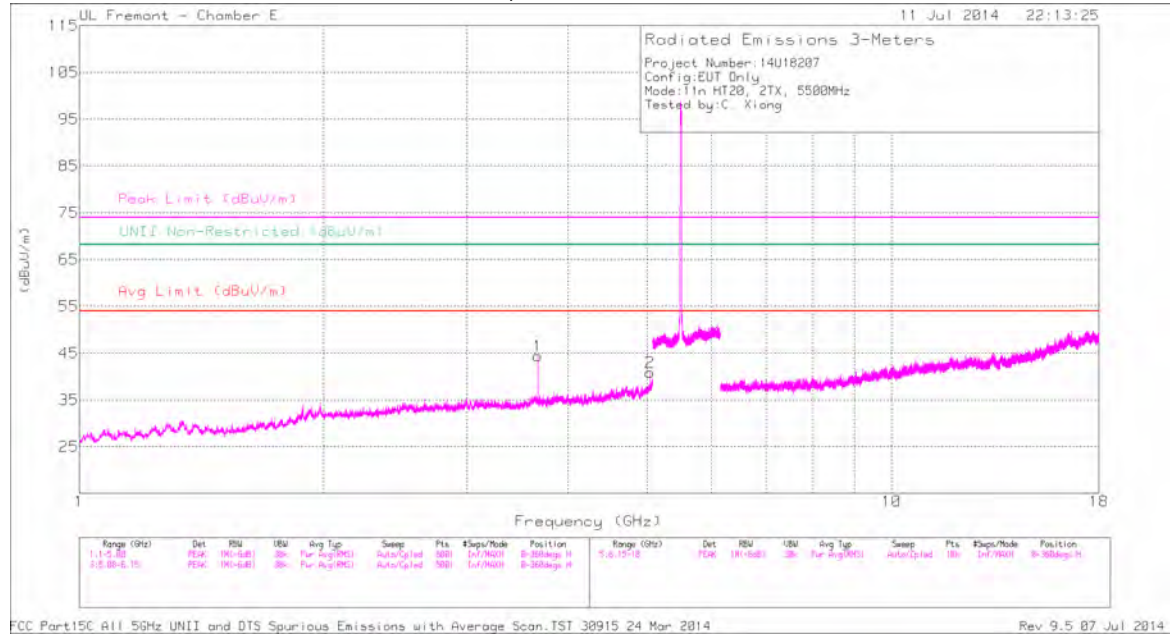


AUTHORIZED BANDEDGE (HIGH CHANNEL)



HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL PLOT, CH 100



LOW CHANNEL VERTICAL PLOT, CH 100

