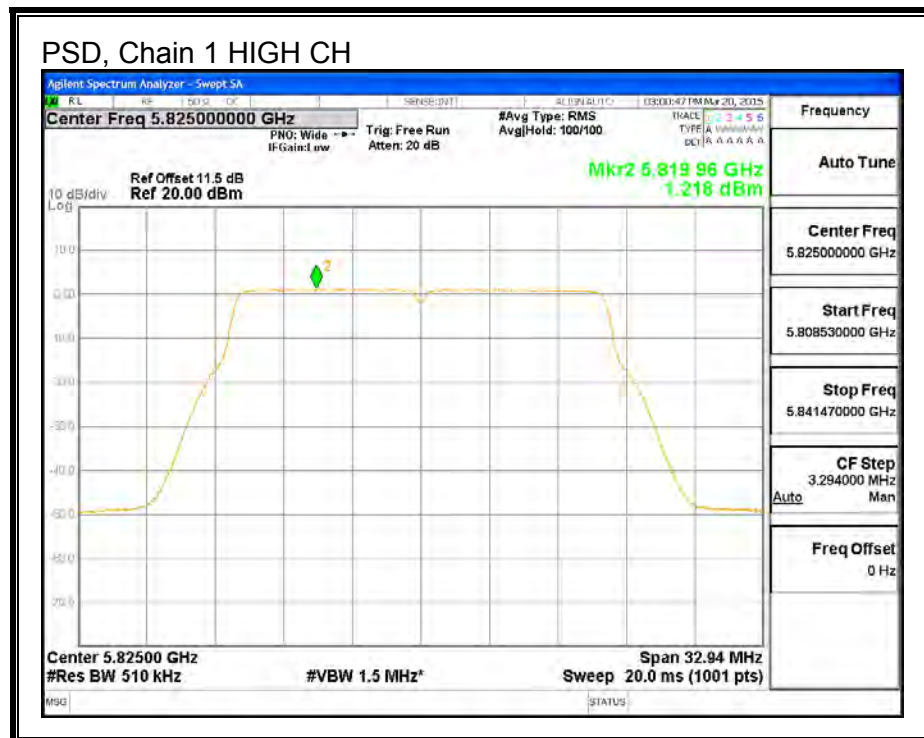
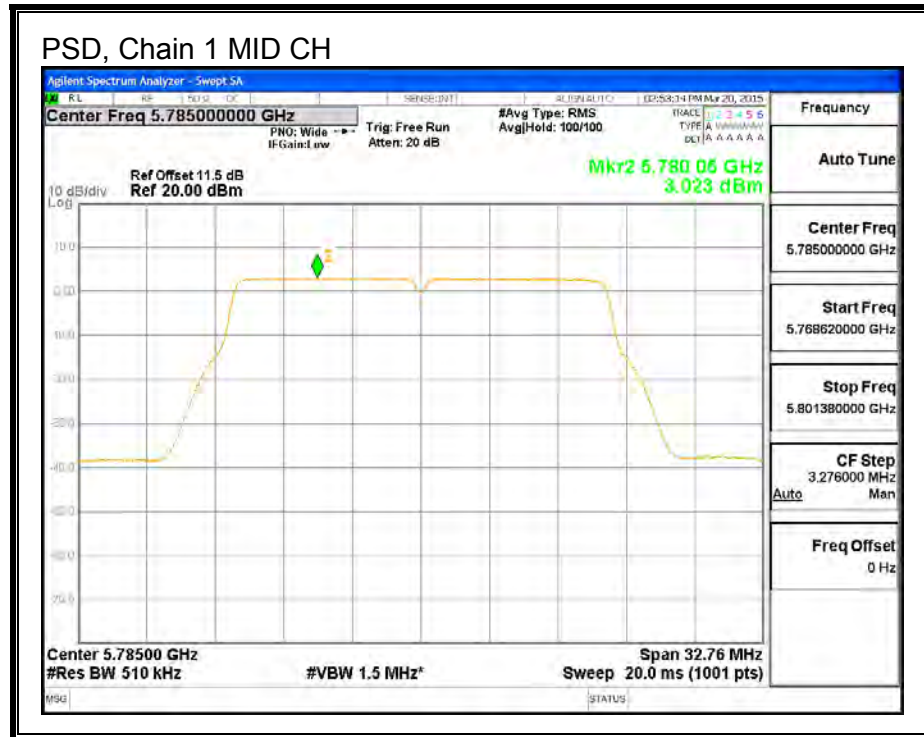




8.29. 802.11n HT40 SISO MODE IN THE 5.8 GHz BAND

8.29.1. 6 dB BANDWIDTH

LIMITS

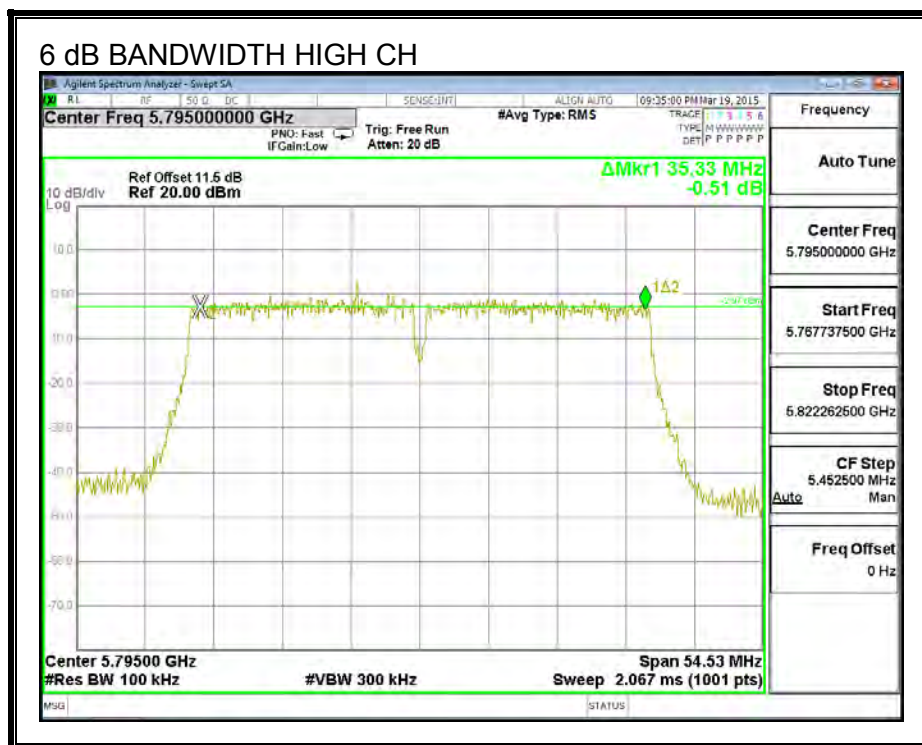
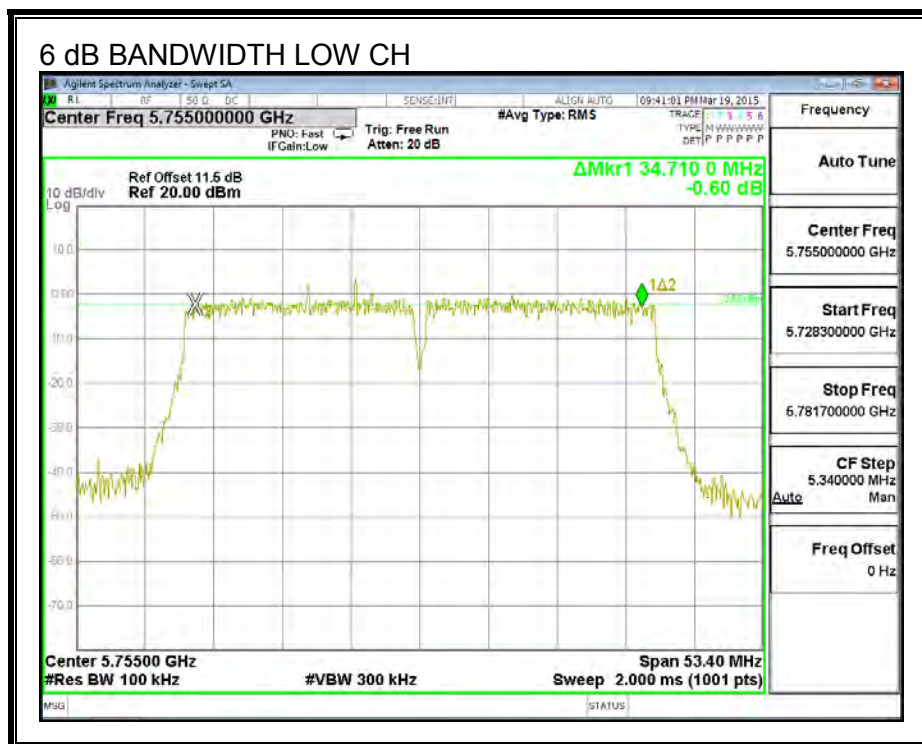
FCC §15.407 (e)

The minimum 6 dB bandwidth shall be at least 500 kHz.

RESULTS

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5755	34.71	0.5
High	5795	35.33	0.5

6 dB BANDWIDTH



8.29.2. 26 dB BANDWIDTH

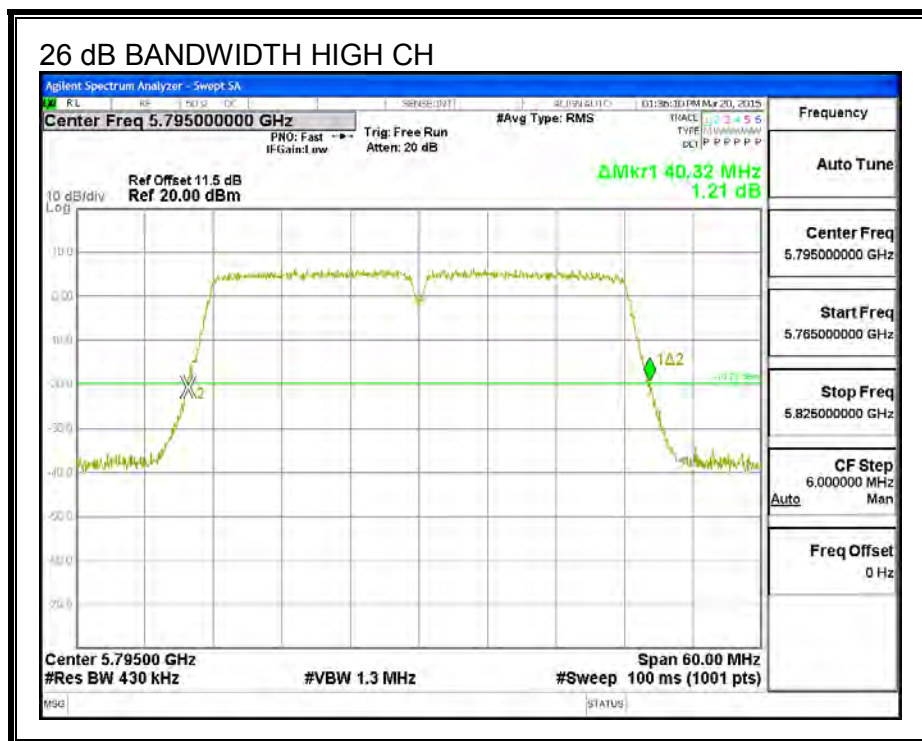
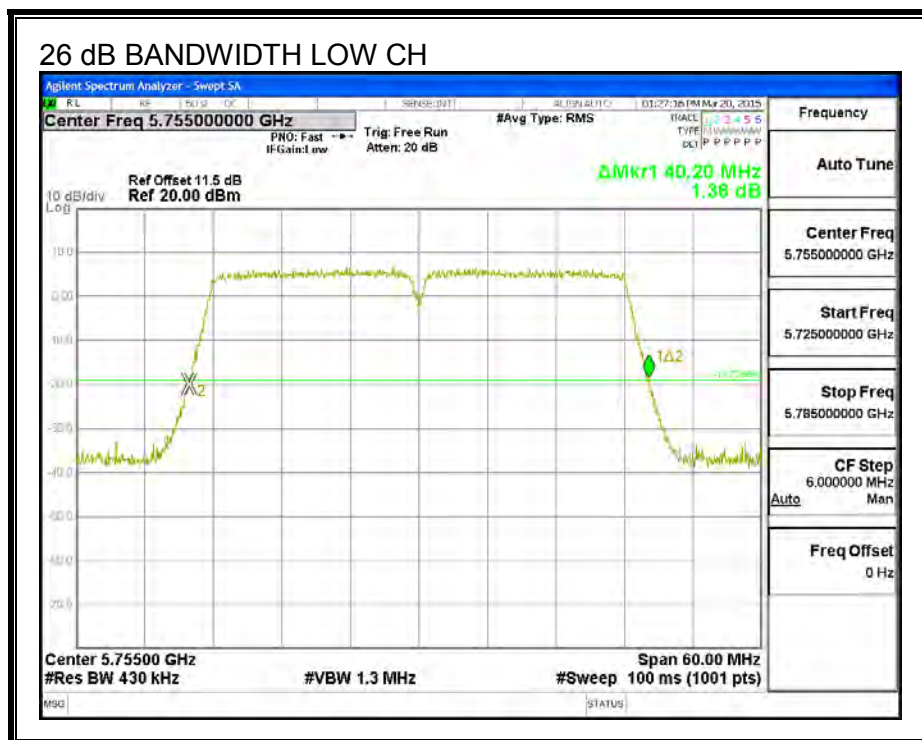
LIMITS

None, for reporting purposes only.

RESULTS

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Low	5755	40.20
High	5795	40.32

26 dB BANDWIDTH



8.29.3. 99% BANDWIDTH

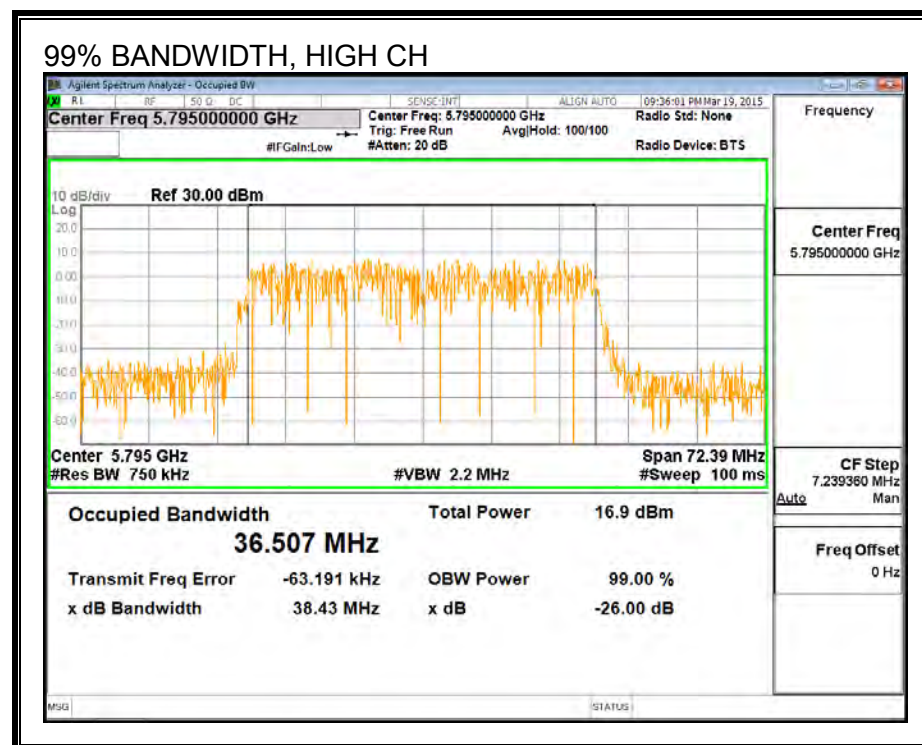
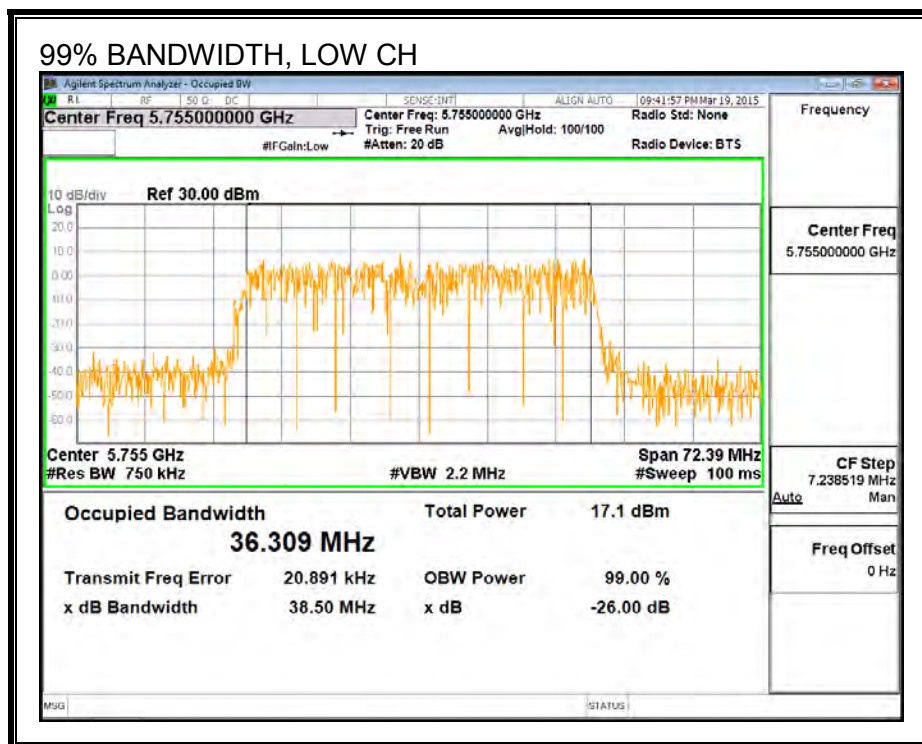
LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5755	36.309
High	5795	36.507

99% BANDWIDTH



8.29.4. AVERAGE POWER

LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency (MHz)	Power (dBm)
Low	5755	15.45
High	5795	16.90

8.29.5. 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.

DIRECTIONAL ANTENNA GAIN

There is only one transmitter output therefore the directional gain is equal to the antenna gain.

RESULTS

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)
Low	5755	3.99	30.00
High	5795	3.99	30.00

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd Power
---------------------------	------	---

Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	15.45	15.45	30.00	-14.55
High	5795	16.90	16.90	30.00	-13.10

8.29.6. 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

There is only one transmitter output therefore the directional gain is equal to the antenna gain.

RESULTS

Antenna Gain and Limits

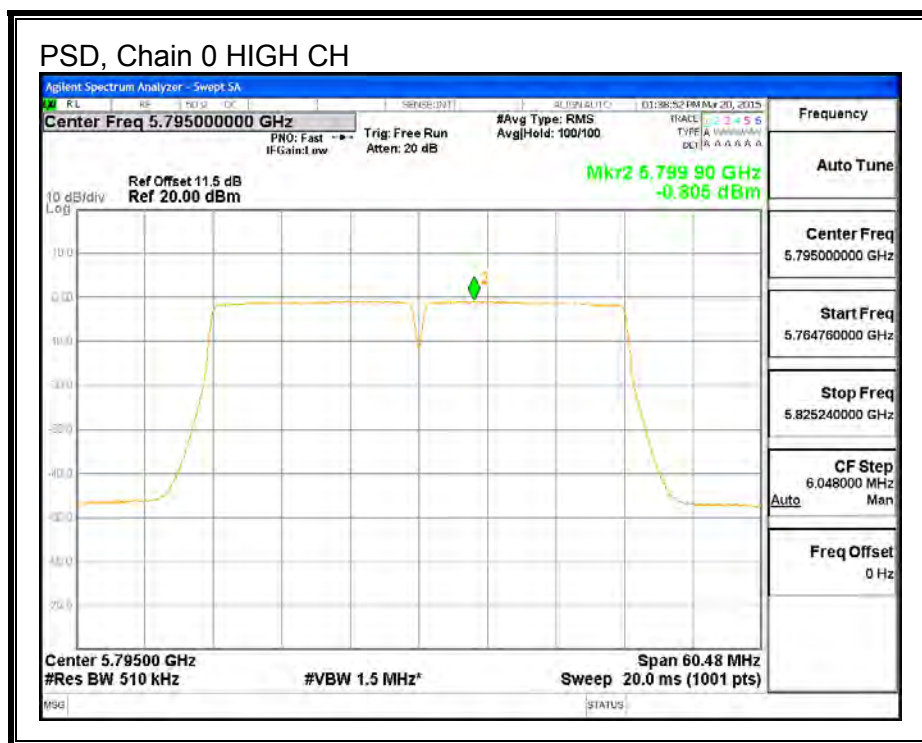
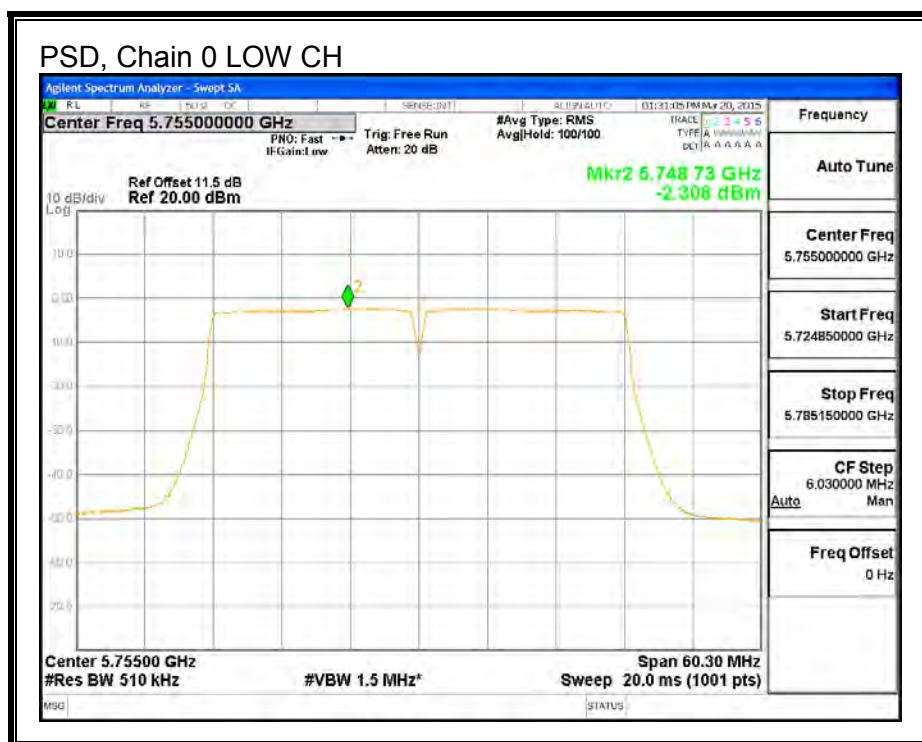
Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm)
Low	5755	3.99	30.00
High	5795	3.99	30.00

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
---------------------------	------	---

PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Low	5755	-2.31	-2.31	30.00	-32.31
High	5795	-0.81	-0.81	30.00	-30.81

PSD, Chain 0



8.30. 802.11n HT40 2Tx CDD MODE IN THE 5.8 GHz BAND

8.30.1. 6 dB BANDWIDTH

LIMITS

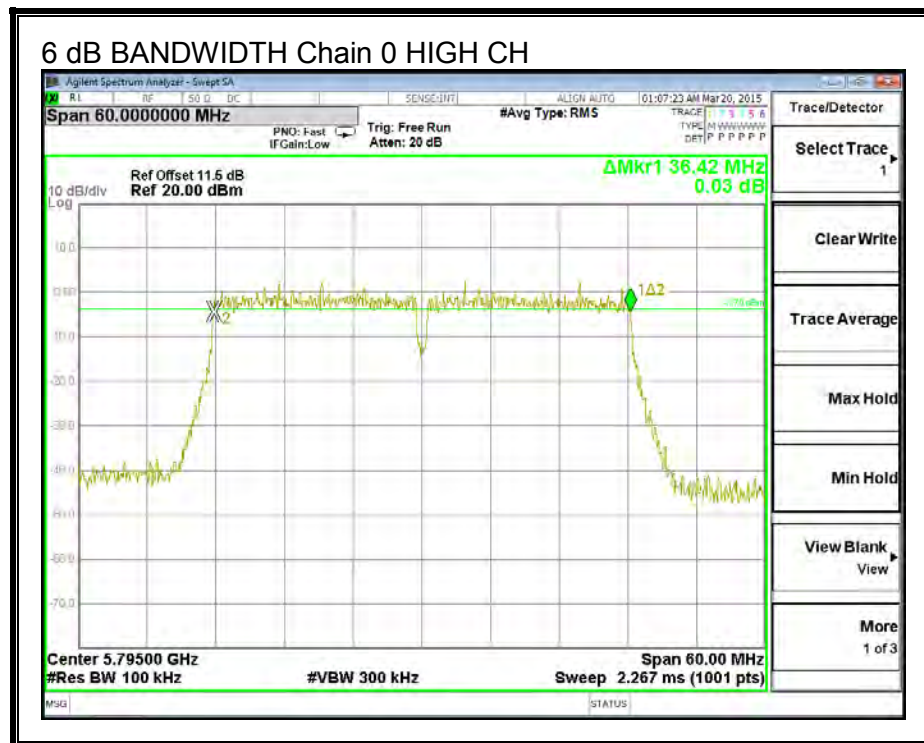
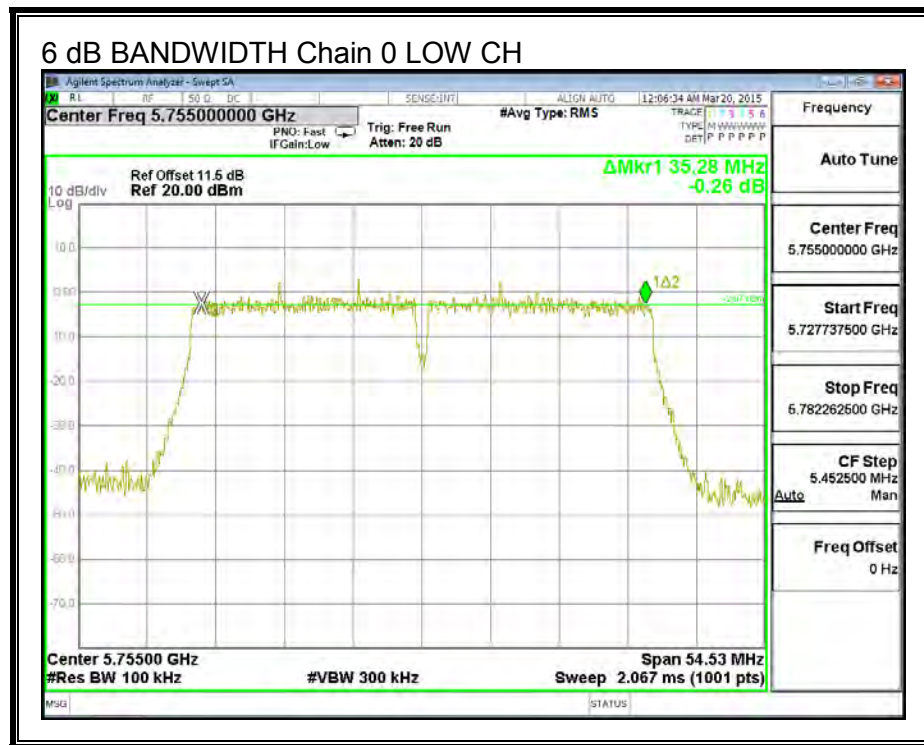
FCC §15.407 (e)

The minimum 6 dB bandwidth shall be at least 500 kHz.

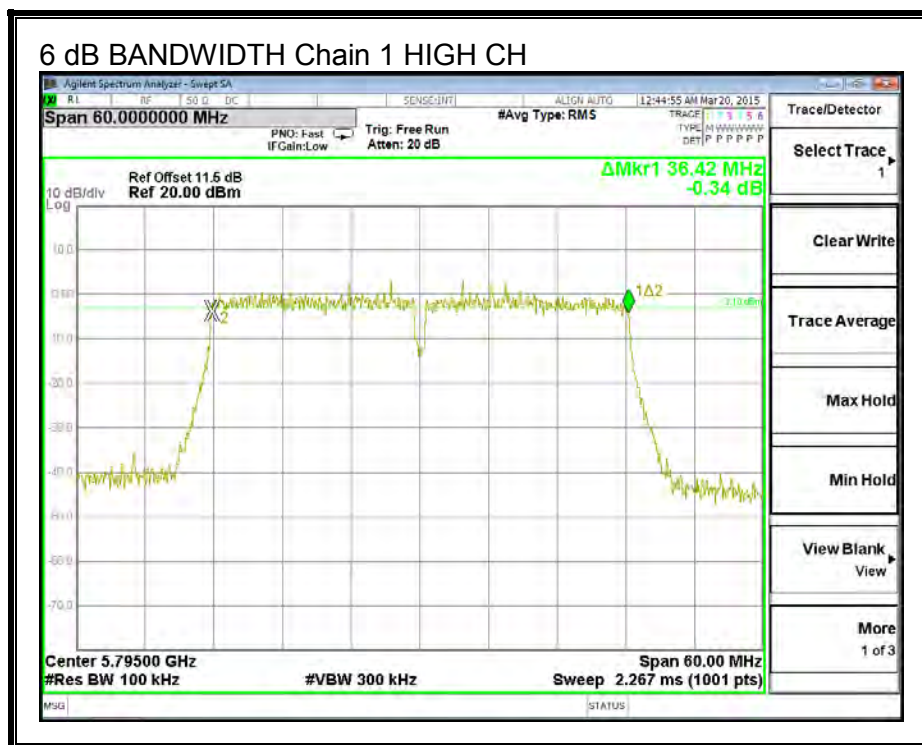
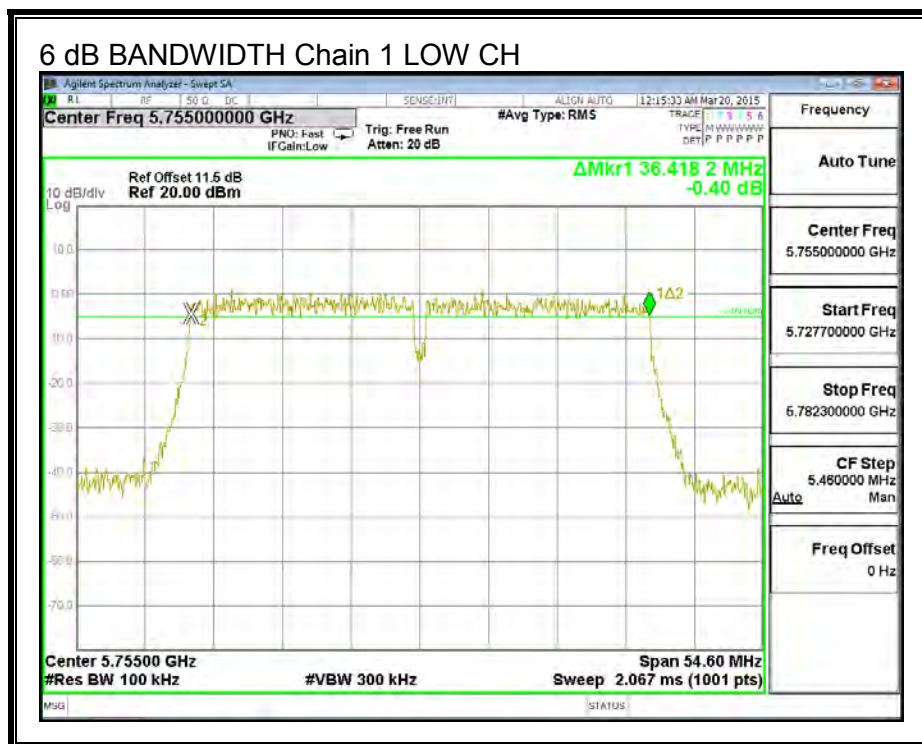
RESULTS

Channel	Frequency (MHz)	6 dB BW Chain 0 (MHz)	6 dB BW Chain 1 (MHz)	Minimum Limit (MHz)
Low	5755	35.28	36.42	0.5
High	5795	36.42	36.42	0.5

6 dB BANDWIDTH, Chain 0



6 dB BANDWIDTH, Chain 1



8.30.2. 26 dB BANDWIDTH

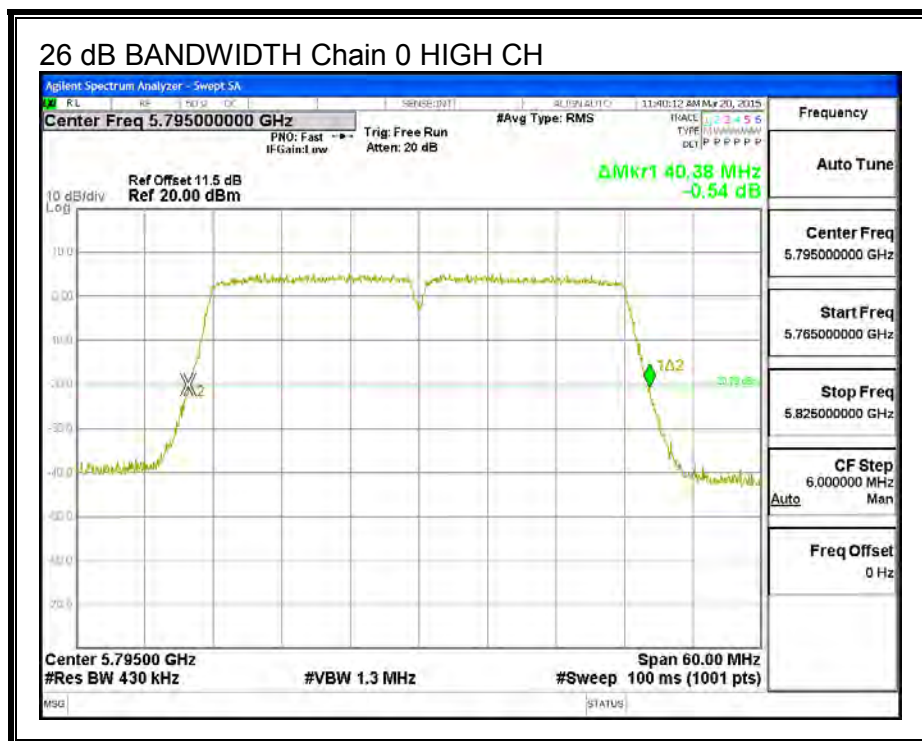
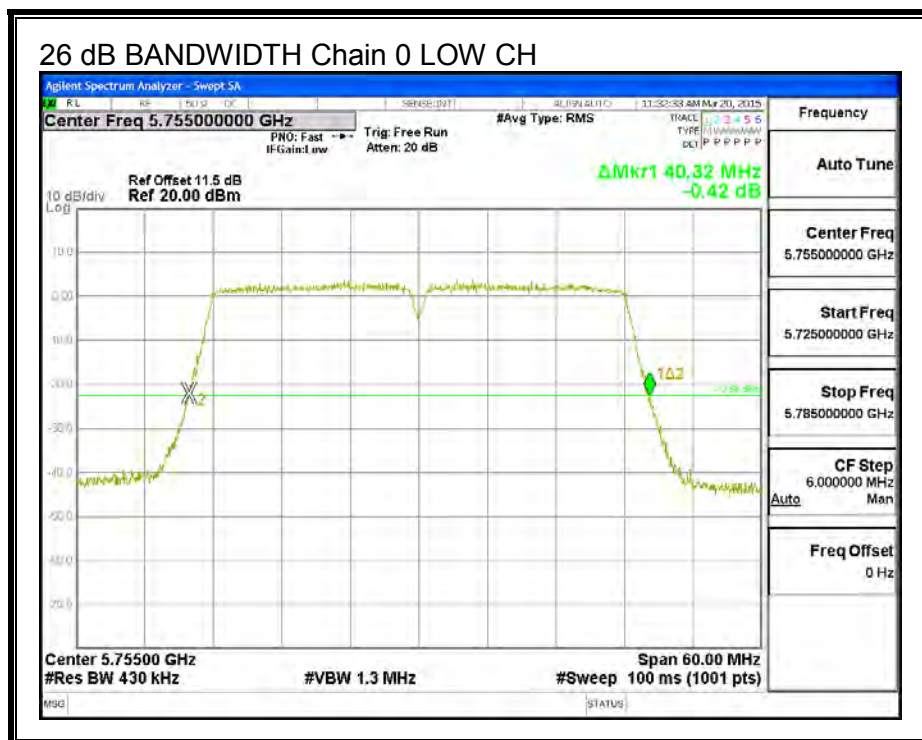
LIMITS

None, for reporting purposes only.

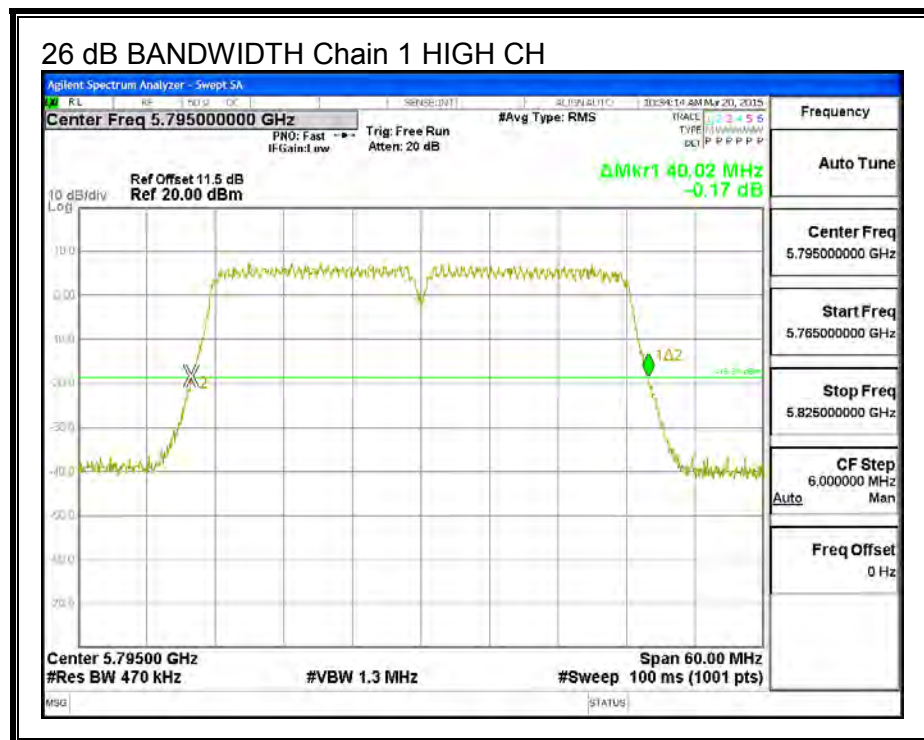
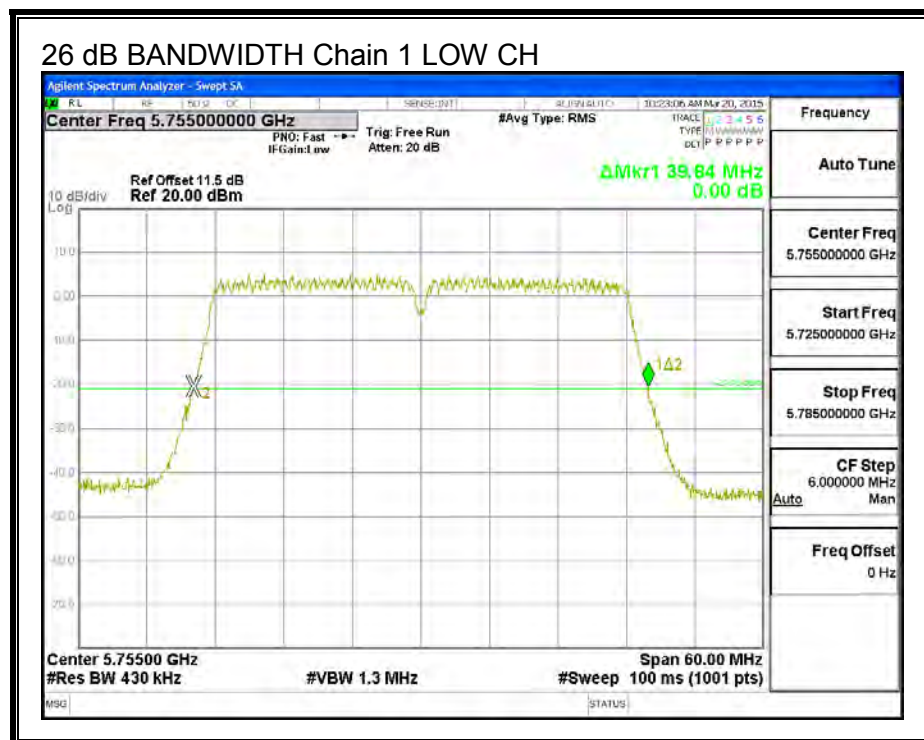
RESULTS

Channel	Frequency (MHz)	26 dB BW Chain 0 (MHz)	26 dB BW Chain 1 (MHz)
Low	5755	40.32	39.84
High	5795	40.38	40.02

26 dB BANDWIDTH, Chain 0



26 dB BANDWIDTH Chain 1 LOW CH



8.30.3. 99% BANDWIDTH

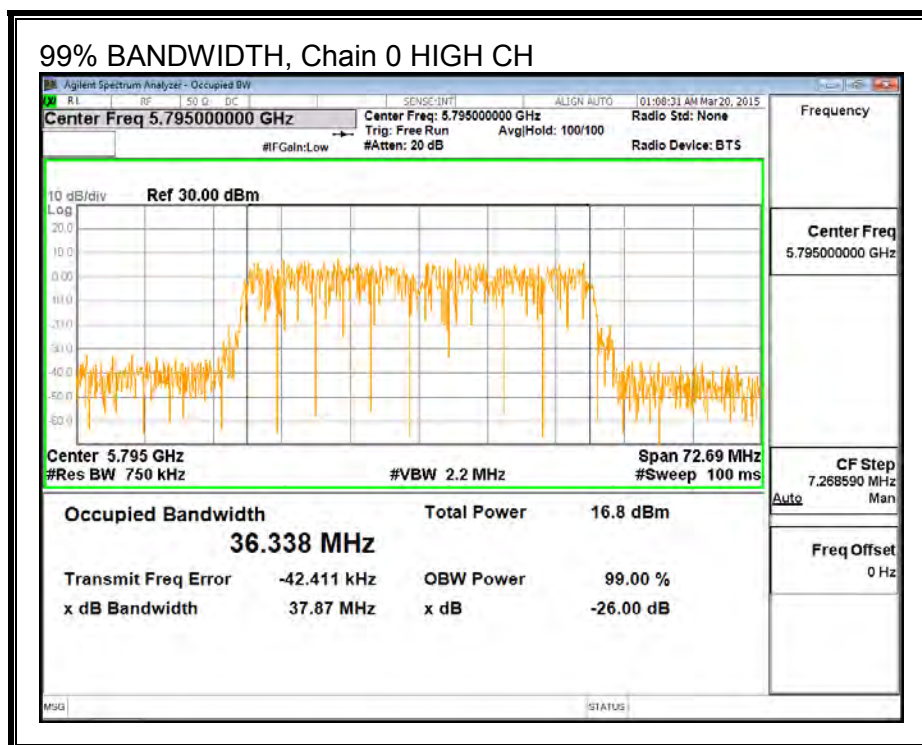
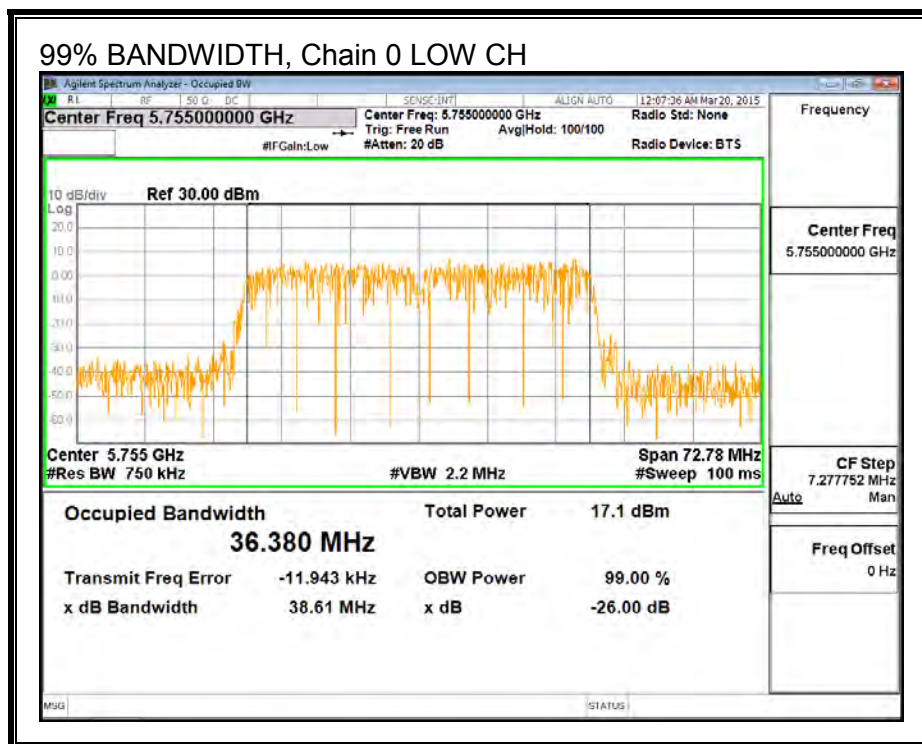
LIMITS

None; for reporting purposes only.

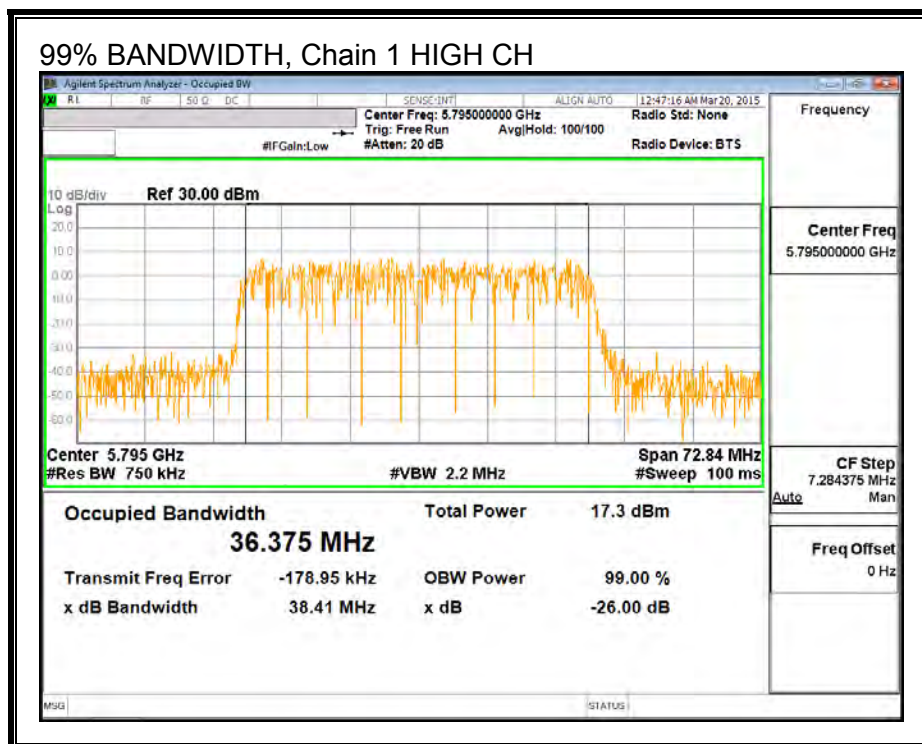
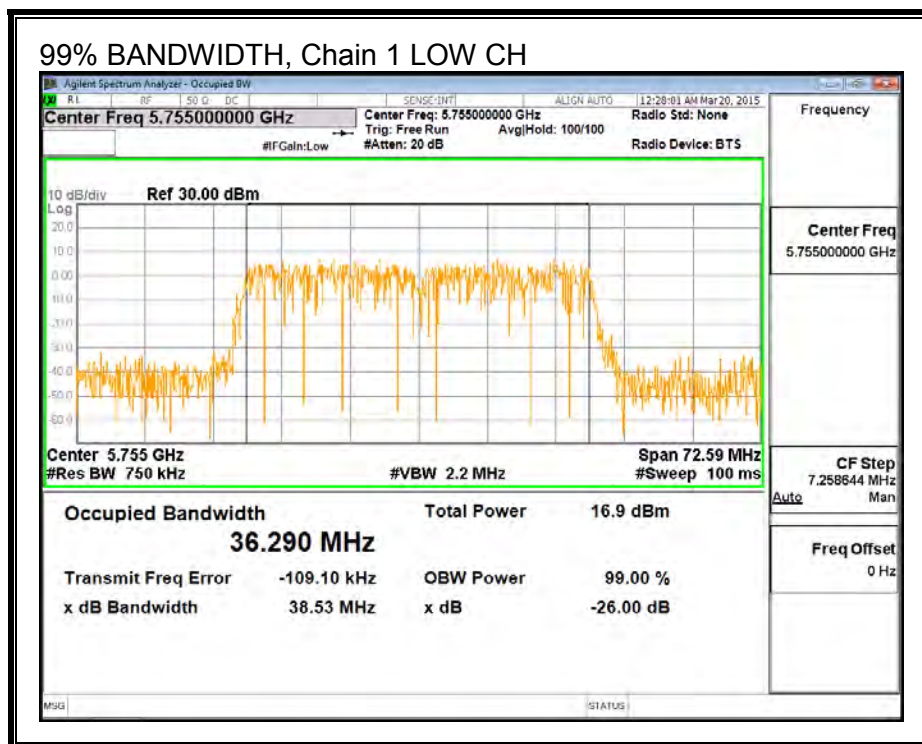
RESULTS

Channel	Frequency (MHz)	99% BW Chain 0 (MHz)	99% BW Chain 1 (MHz)
Low	5755	36.380	36.290
High	5795	36.338	36.375

99% BANDWIDTH, Chain 0



99% BANDWIDTH, Chain 1



8.30.4. AVERAGE POWER

LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency (MHz)	Chain 0 Power (dBm)	Chain 1 Power (dBm)	Total Power (dBm)
Low	5755	13.37	13.43	16.41
High	5795	15.90	15.95	18.93

8.30.5. 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.

DIRECTIONAL ANTENNA GAIN

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

Chain 0 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)
3.99	2.41	3.28

RESULTS

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)
Low	5755	3.28	30.00
High	5795	3.28	30.00

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd Power
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Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	13.37	13.43	16.41	30.00	-13.59
High	5795	15.90	15.95	18.93	30.00	-11.07

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

Chain 0 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Correlated Chains Directional Gain (dBi)
3.99	2.41	6.25

RESULTS

Antenna Gain and Limit

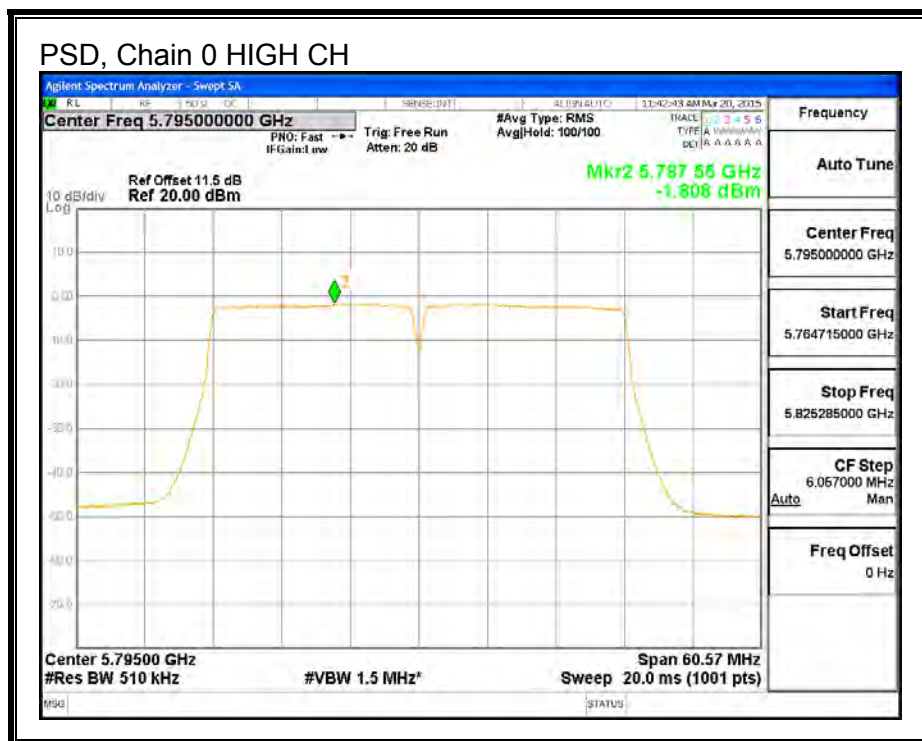
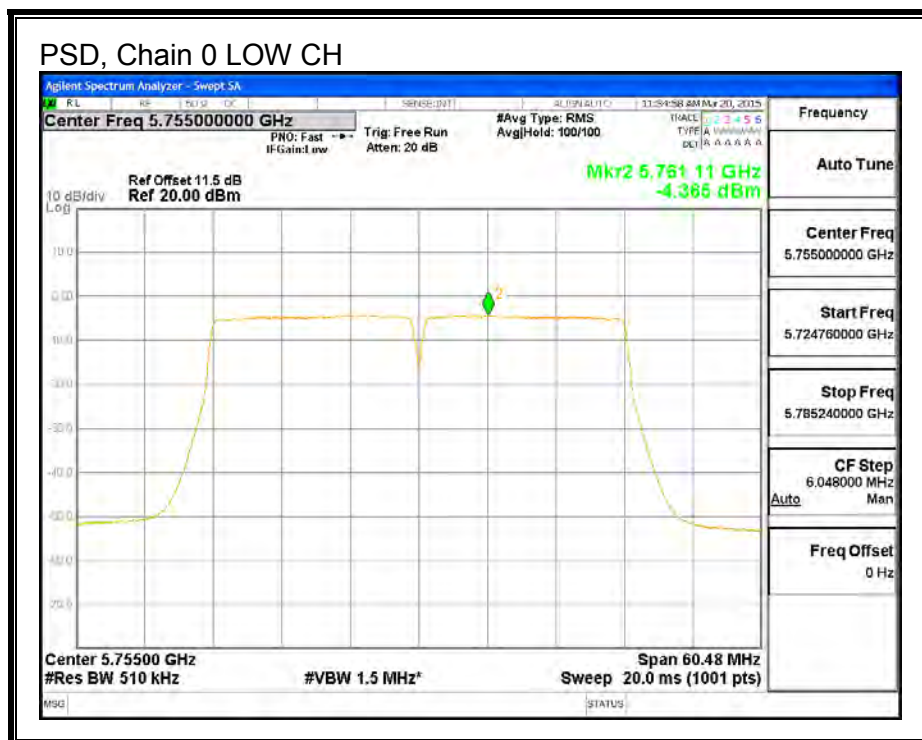
Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm)
Low	5755	6.25	29.75
High	5795	6.25	29.75

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
---------------------------	------	---

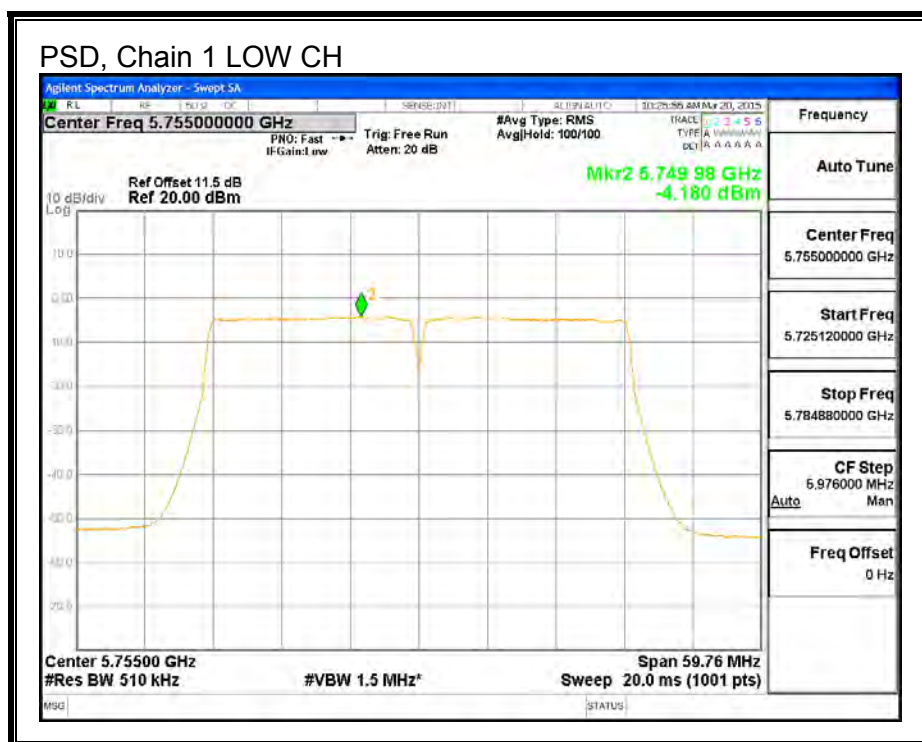
PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm)	Chain 1 Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Low	5755	-4.37	-4.18	-1.26	29.75	-31.01
High	5795	-1.81	-1.68	1.27	29.75	-28.48

PSD, Chain 0



PSD, Chain 1



8.31. 802.11n HT40 2Tx STBC MODE IN THE 5.8 GHz BAND

Covered by 802.11n HT40 2Tx STBC MODE

8.32. 802.11ac VHT80 SISO MODE IN THE 5.8 GHz BAND

8.32.1. 6 dB BANDWIDTH

LIMITS

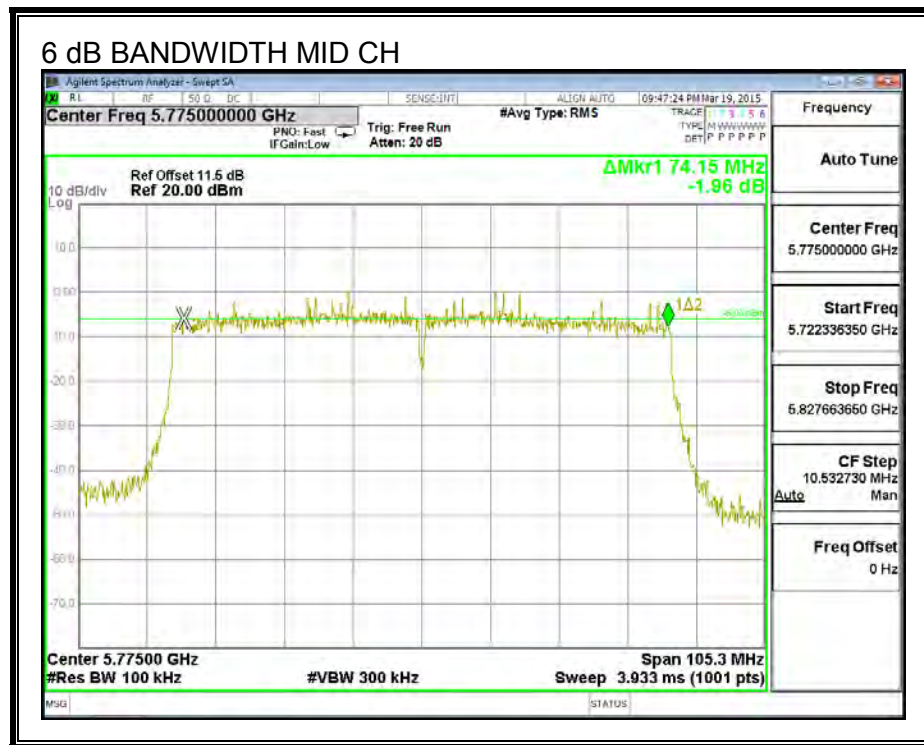
FCC §15.407 (e)

The minimum 6 dB bandwidth shall be at least 500 kHz.

RESULTS

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Mid	5775	74.15	0.5

6 dB BANDWIDTH



8.32.2. 26 dB BANDWIDTH

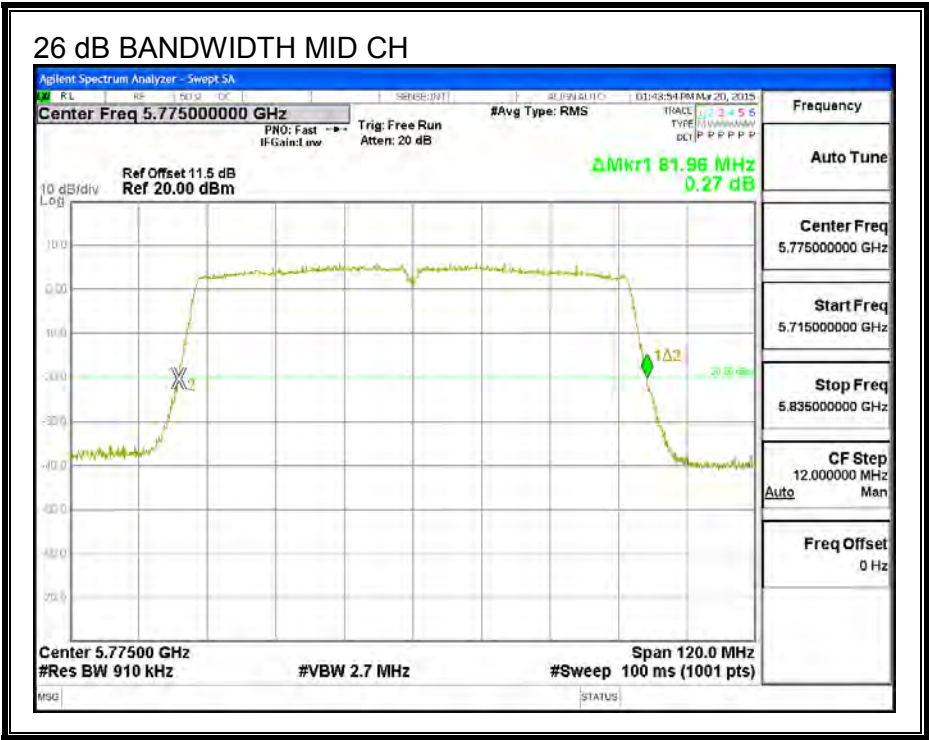
LIMITS

None, for reporting purposes only.

RESULTS

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Mid	5775	81.96

26 dB BANDWIDTH



8.32.3. 99% BANDWIDTH

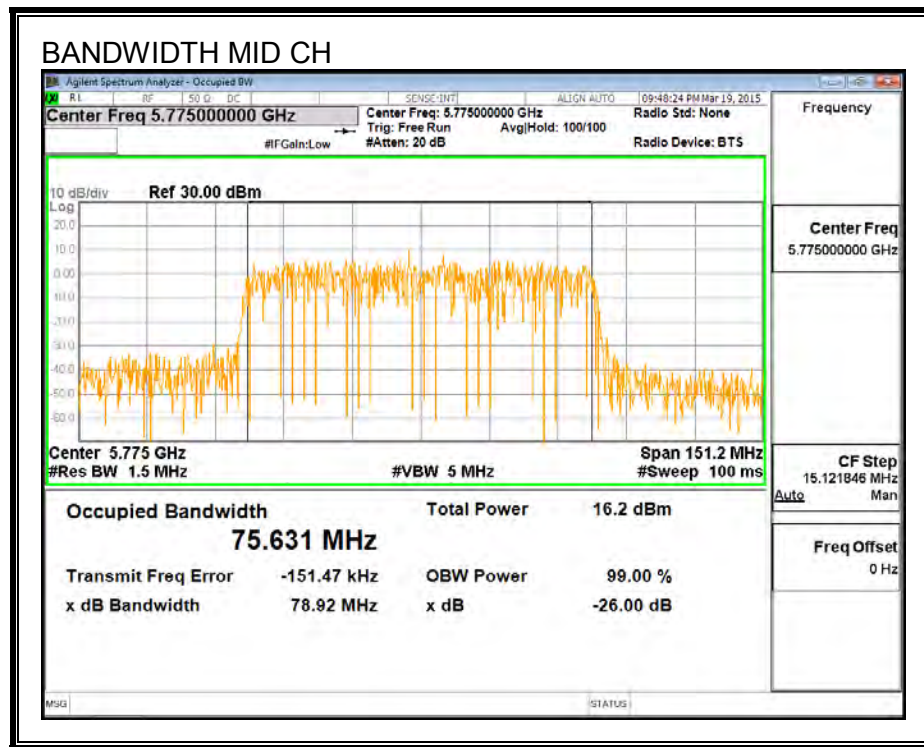
LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Mid	5775	75.631

99% BANDWIDTH



8.32.4. AVERAGE POWER

LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency (MHz)	Power (dBm)
Mid	5775	14.34

8.32.5. 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.

DIRECTIONAL ANTENNA GAIN

There is only one transmitter output therefore the directional gain is equal to the antenna gain.

RESULTS

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)
Mid	5775	3.99	30.00

Duty Cycle CF (dB)	0.16	Included in Calculations of Corr'd Power
--------------------	------	--

Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	14.34	14.50	30.00	-15.50

8.32.6. 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

There is only one transmitter output therefore the directional gain is equal to the antenna gain.

RESULTS

Antenna Gain and Limits

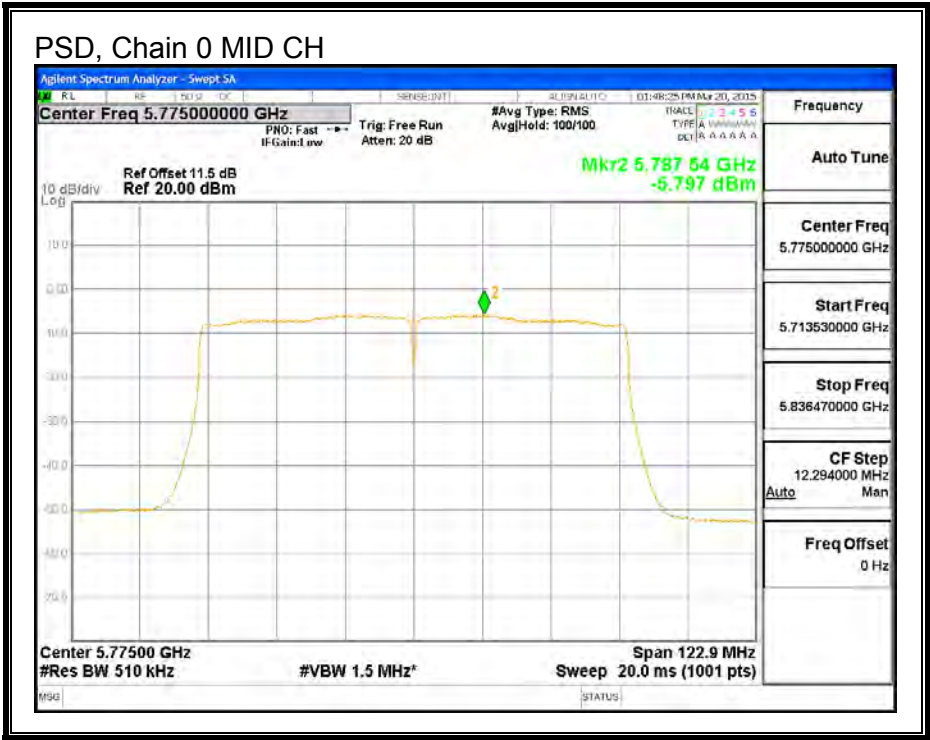
Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm)
Mid	5775	3.99	30.00

Duty Cycle CF (dB)	0.16	Included in Calculations of Corr'd PSD
--------------------	------	--

PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Mid	5775	-5.797	-5.64	30.00	-35.64

PSD, Chain 0



8.33. 802.11ac VHT80 2TxCDD MODE IN THE 5.8 GHz BAND

8.33.1. 6 dB BANDWIDTH

LIMITS

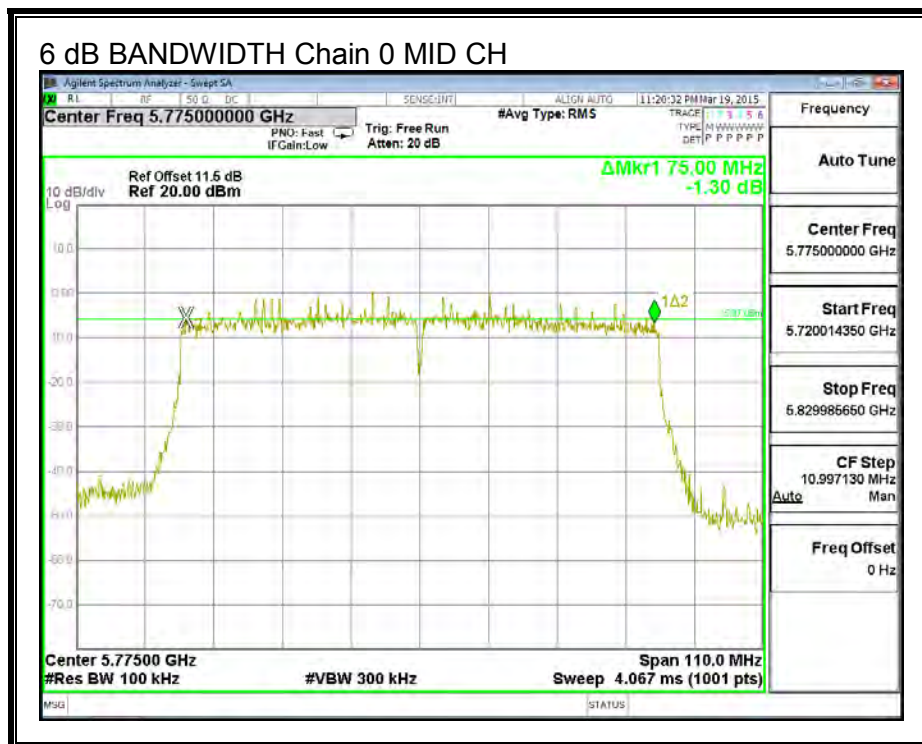
FCC §15.407 (e)

The minimum 6 dB bandwidth shall be at least 500 kHz.

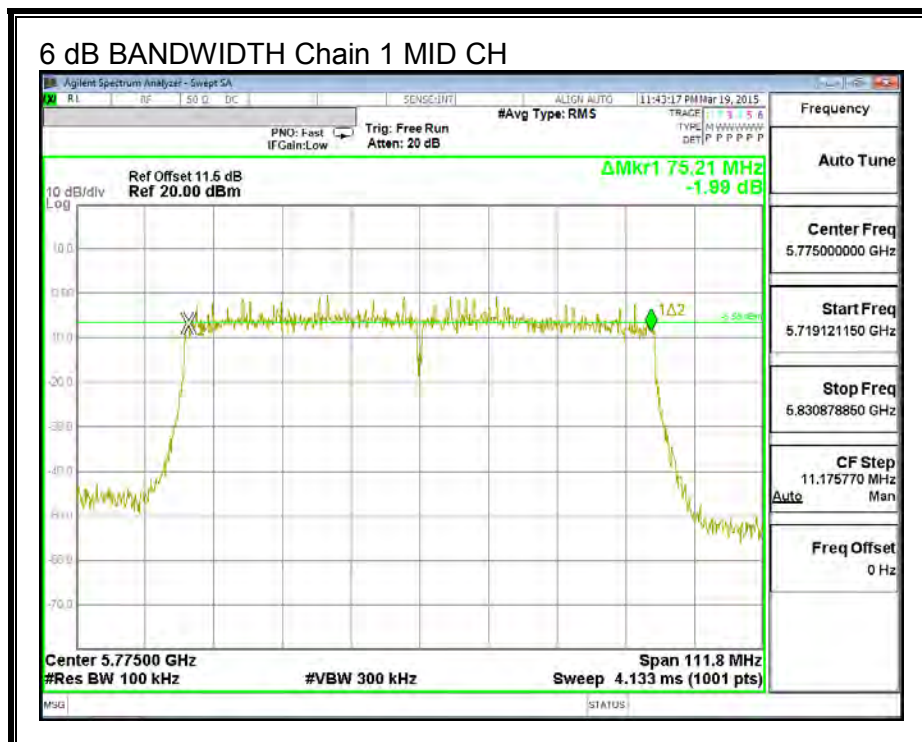
RESULTS

Channel	Frequency (MHz)	6 dB BW Chain 0 (MHz)	6 dB BW Chain 1 (MHz)	Minimum Limit (MHz)
Mid	5775	75.00	75.21	0.5

6 dB BANDWIDTH, Chain 0



6 dB BANDWIDTH, Chain 1



8.33.2. 26 dB BANDWIDTH

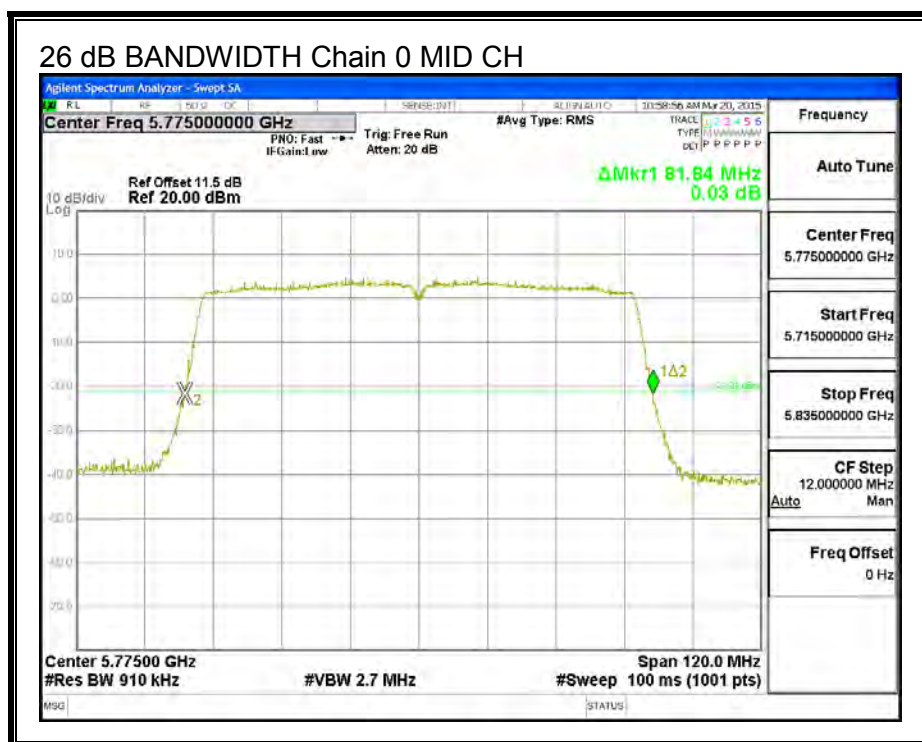
LIMITS

None, for reporting purposes only.

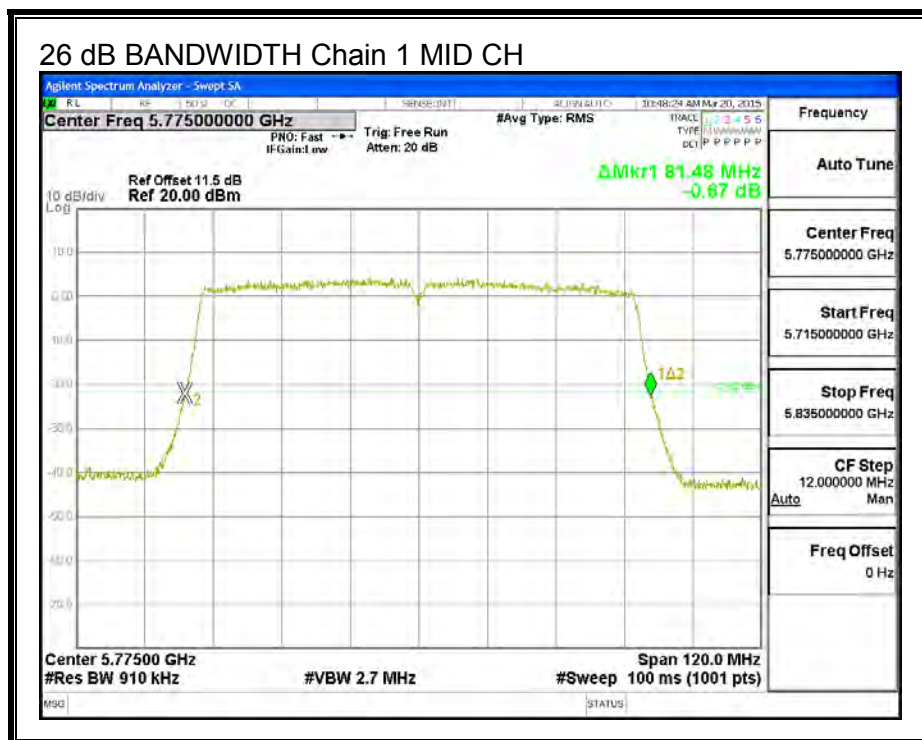
RESULTS

Channel	Frequency (MHz)	26 dB BW Chain 0 (MHz)	26 dB BW Chain 1 (MHz)
Mid	5775	81.84	81.48

26 dB BANDWIDTH, Chain 0



26 dB BANDWIDTH, Chain 1



8.33.3. 99% BANDWIDTH

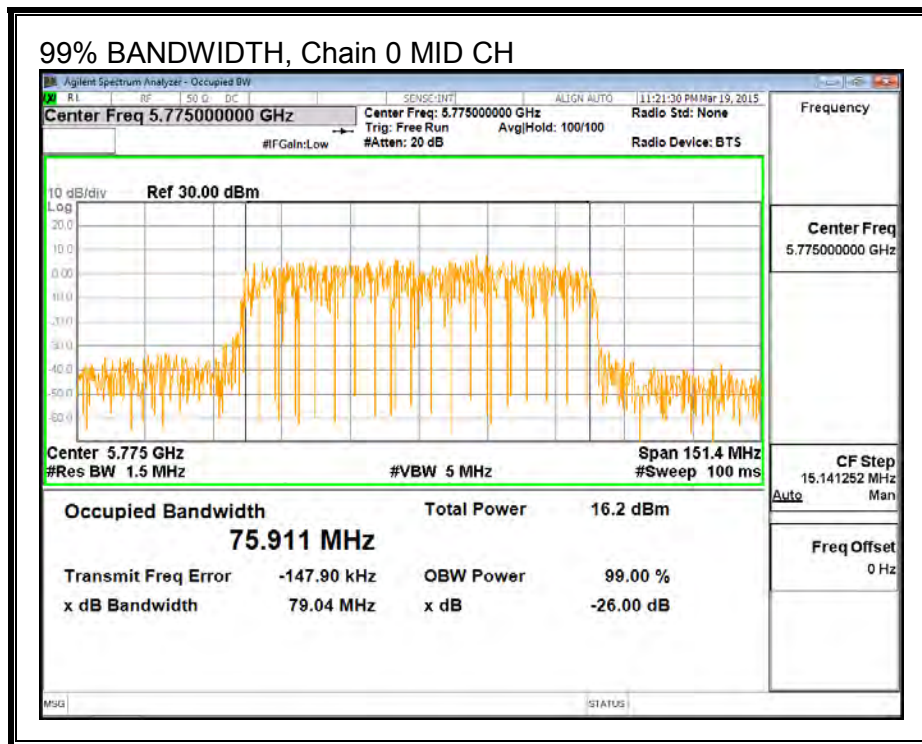
LIMITS

None; for reporting purposes only.

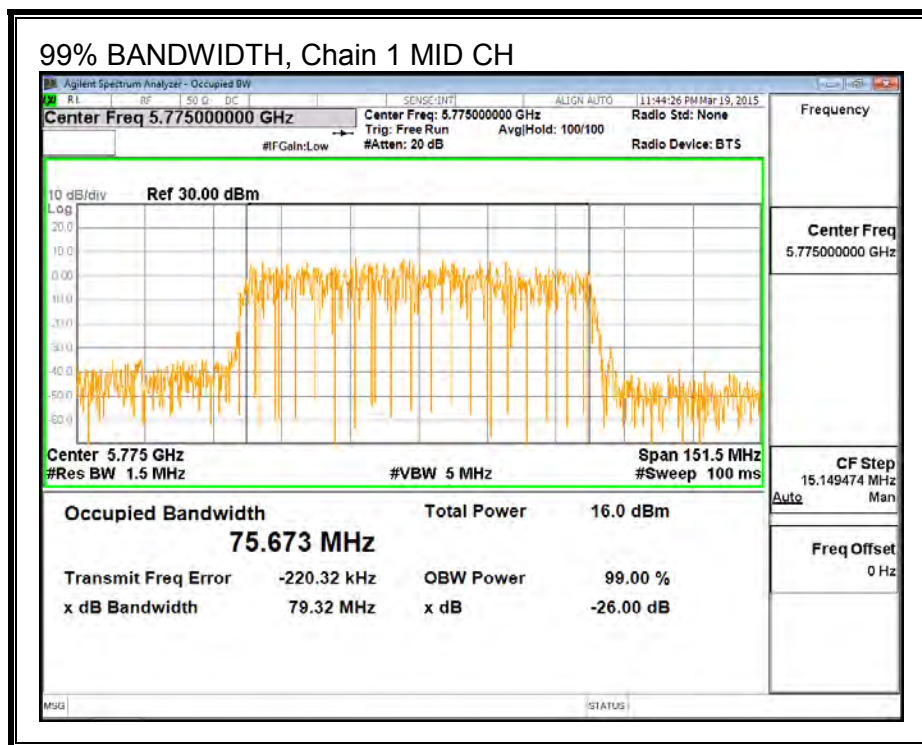
RESULTS

Channel	Frequency (MHz)	99% BW Chain 0 (MHz)	99% BW Chain 1 (MHz)
Mid	5775	75.911	75.673

99% BANDWIDTH, Chain 0



99% BANDWIDTH, Chain 1



8.33.4. AVERAGE POWER

LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency (MHz)	Chain 0 Power (dBm)	Chain 1 Power (dBm)	Total Power (dBm)
Mid	5775	13.23	13.31	16.28

8.33.5. 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.

DIRECTIONAL ANTENNA GAIN

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

Chain 0 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)
3.99	2.41	3.28

RESULTS

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)
Mid	5775	3.28	30.00

Duty Cycle CF (dB)	0.22	Included in Calculations of Corr'd Power
---------------------------	------	---

Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	13.23	13.31	16.50	30.00	-13.50

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

Chain 0 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Correlated Chains Directional Gain (dBi)
3.99	2.41	6.25

RESULTS

Antenna Gain and Limit

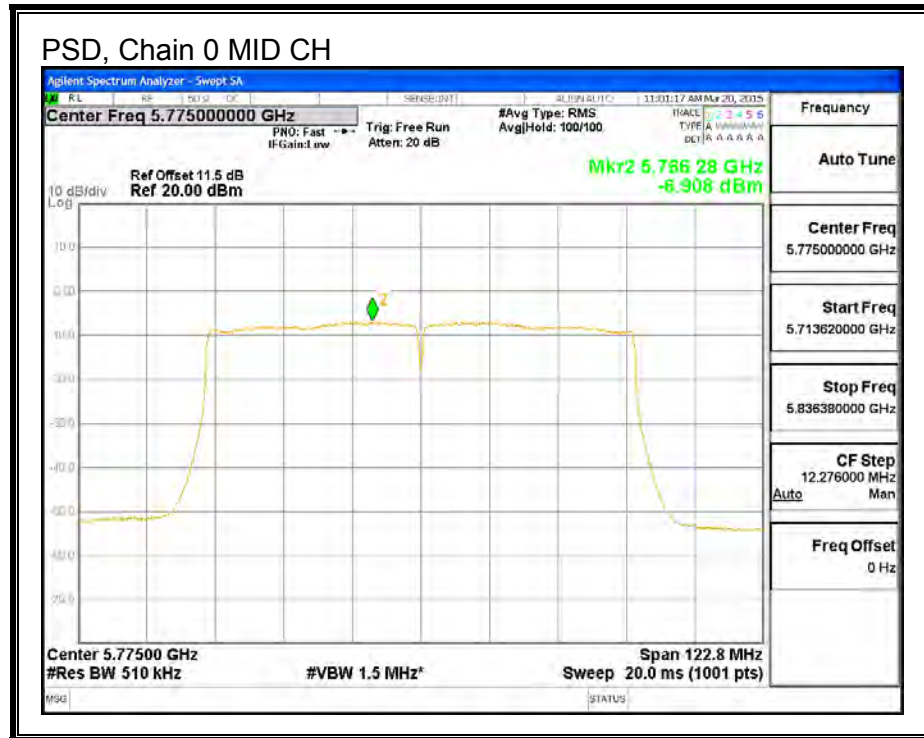
Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm)
Mid	5775	6.25	29.75

Duty Cycle CF (dB)	0.22	Included in Calculations of Corr'd PSD
--------------------	------	--

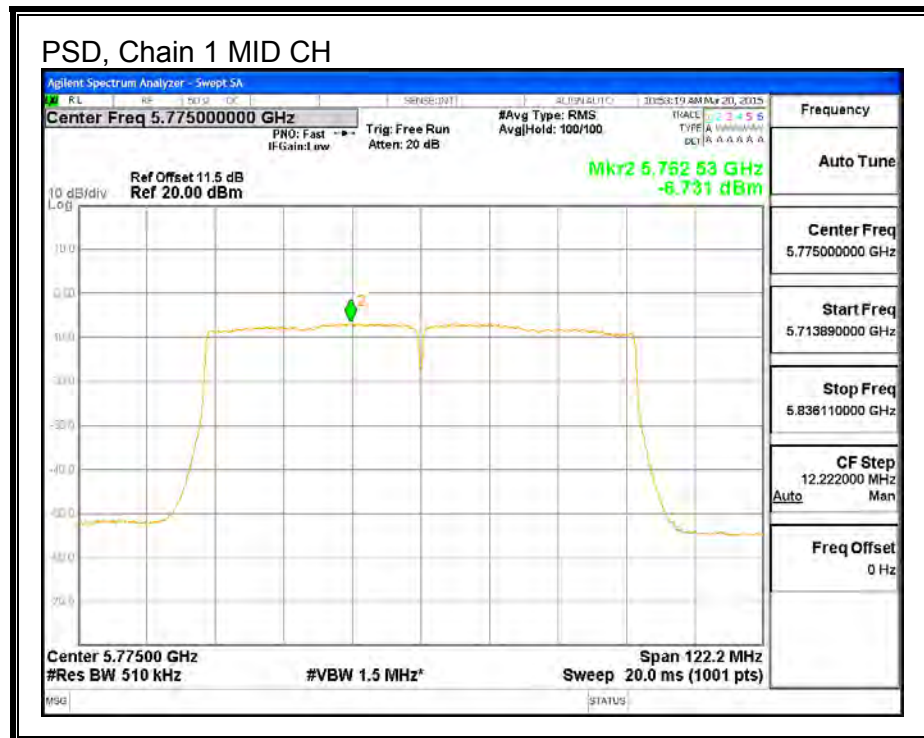
PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm)	Chain 1 Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Mid	5775	-6.91	-6.73	-3.59	29.75	-33.34

PSD, Chain 0



PSD, Chain 1



9. RADIATED TEST RESULTS

9.1. 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 for measurement below 1GHz; 1.5 m above the ground plane for measurement above 1GHz. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

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.

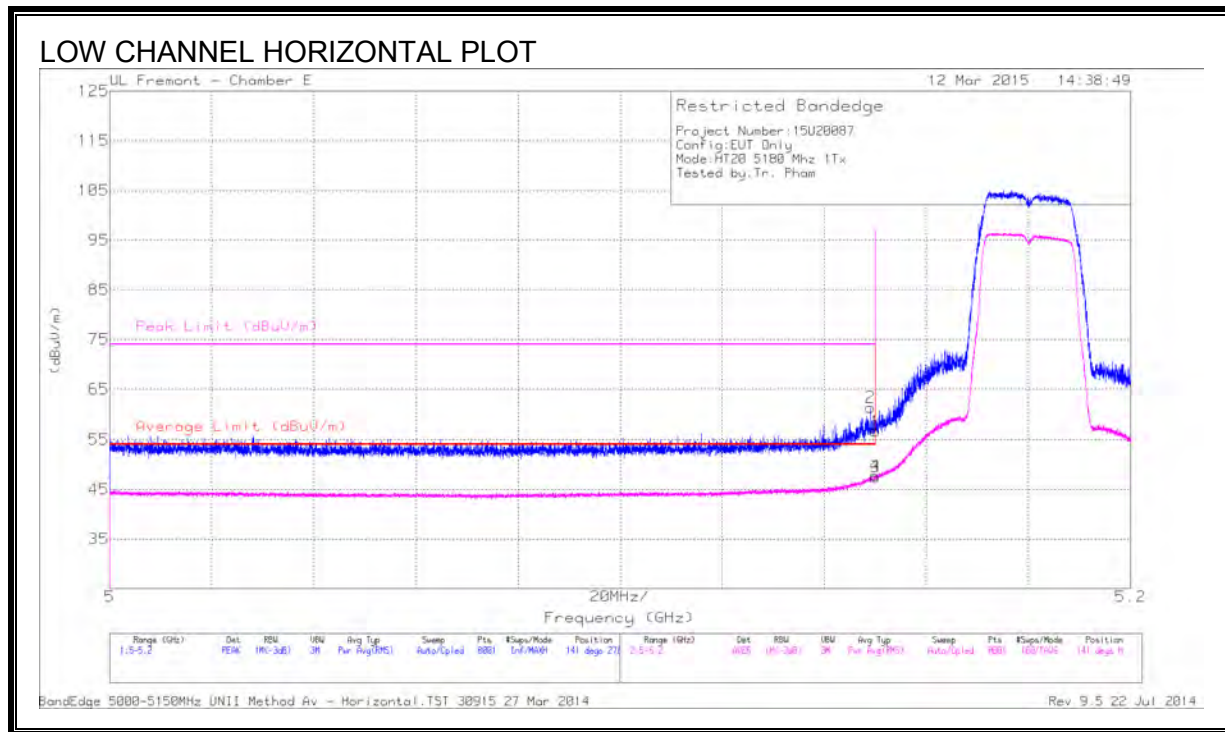
For measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and as applicable for average measurements.

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.

9.2. 802.11n HT20 SISO MODE IN THE 5.2 GHz BAND

RESTRICTED BANDEGE (LOW CHANNEL)



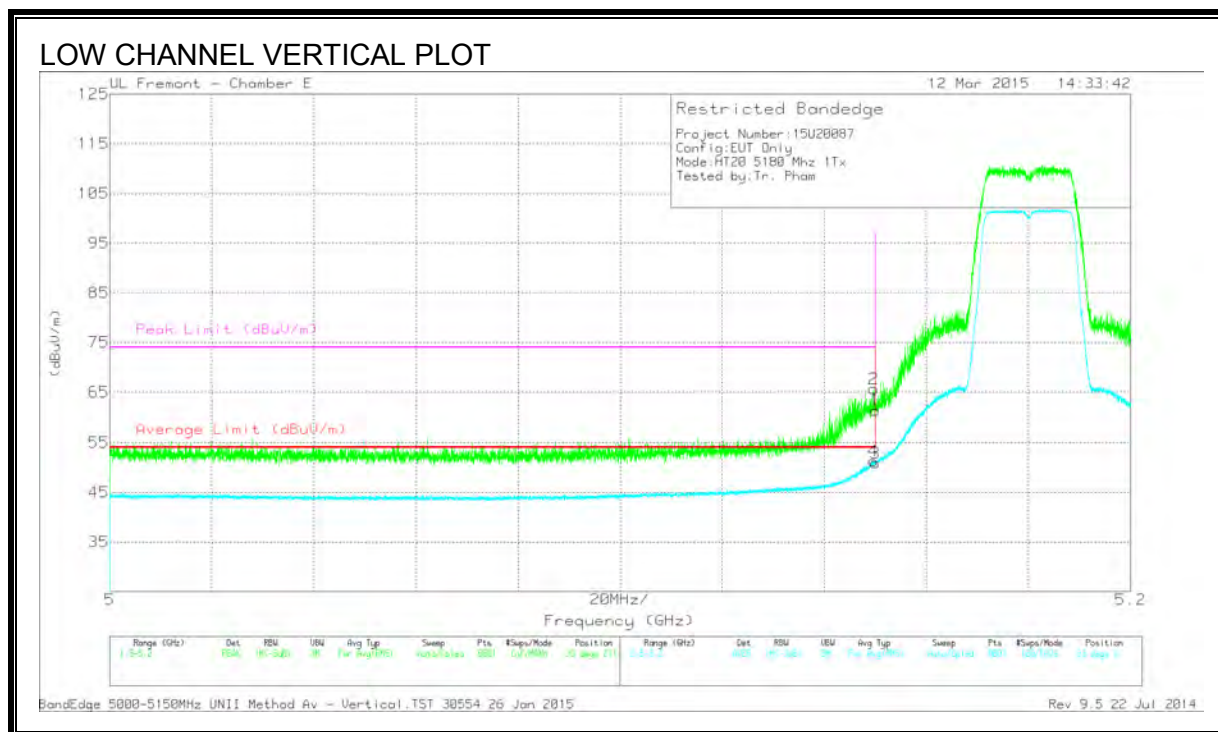
DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	43.85	PK	34.3	-21.5	56.65	-	-	74	-17.35	141	278	H
2	* 5.149	48.62	PK	34.3	-21.5	61.42	-	-	74	-12.58	141	278	H
3	* 5.15	34.65	RMS	34.3	-21.5	47.45	54	-6.55	-	-	141	278	H
4	* 5.15	34.94	RMS	34.3	-21.5	47.74	54	-6.26	-	-	141	278	H

* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK - Peak detector

RMS - RMS detection



DATA

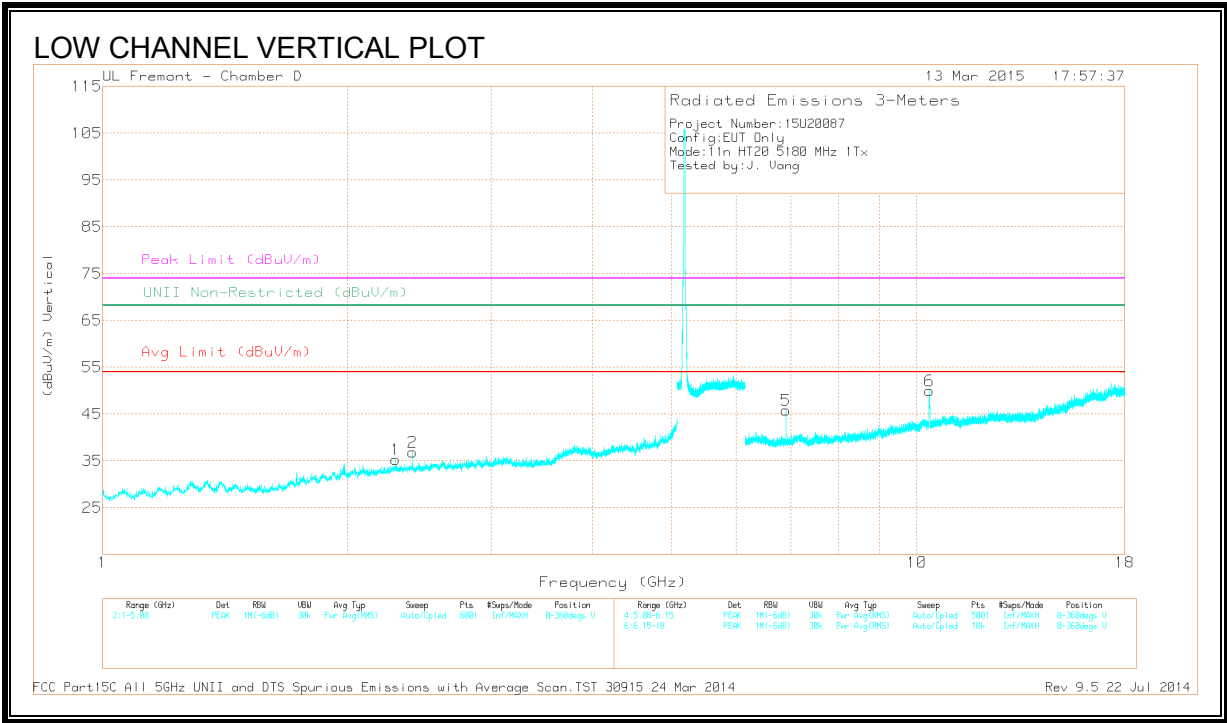
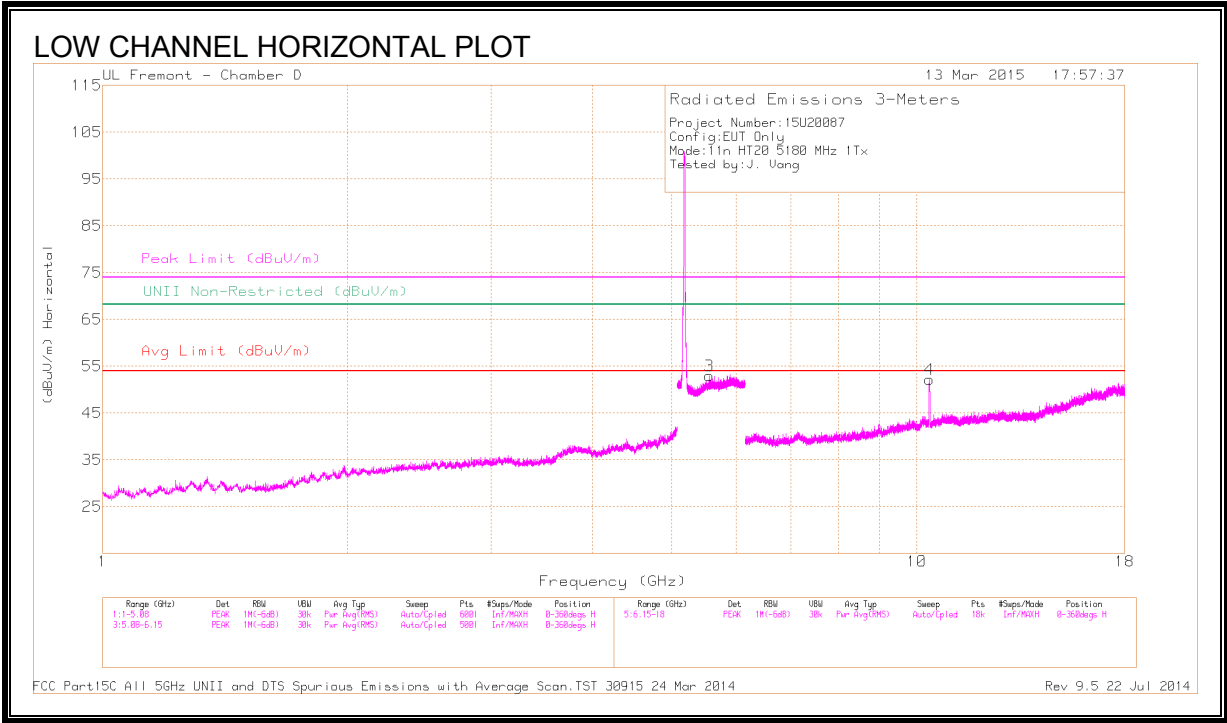
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	48.69	PK	34.3	-21.5	61.49	-	-	74	-12.51	33	211	V
2	* 5.15	52.89	PK	34.3	-21.5	65.69	-	-	74	-8.31	33	211	V
3	* 5.15	38.14	RMS	34.3	-21.5	50.94	54	-3.06	-	-	33	211	V
4	* 5.15	38.47	RMS	34.3	-21.5	51.27	54	-2.73	-	-	33	211	V

* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK - Peak detector

RMS - RMS detection

LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

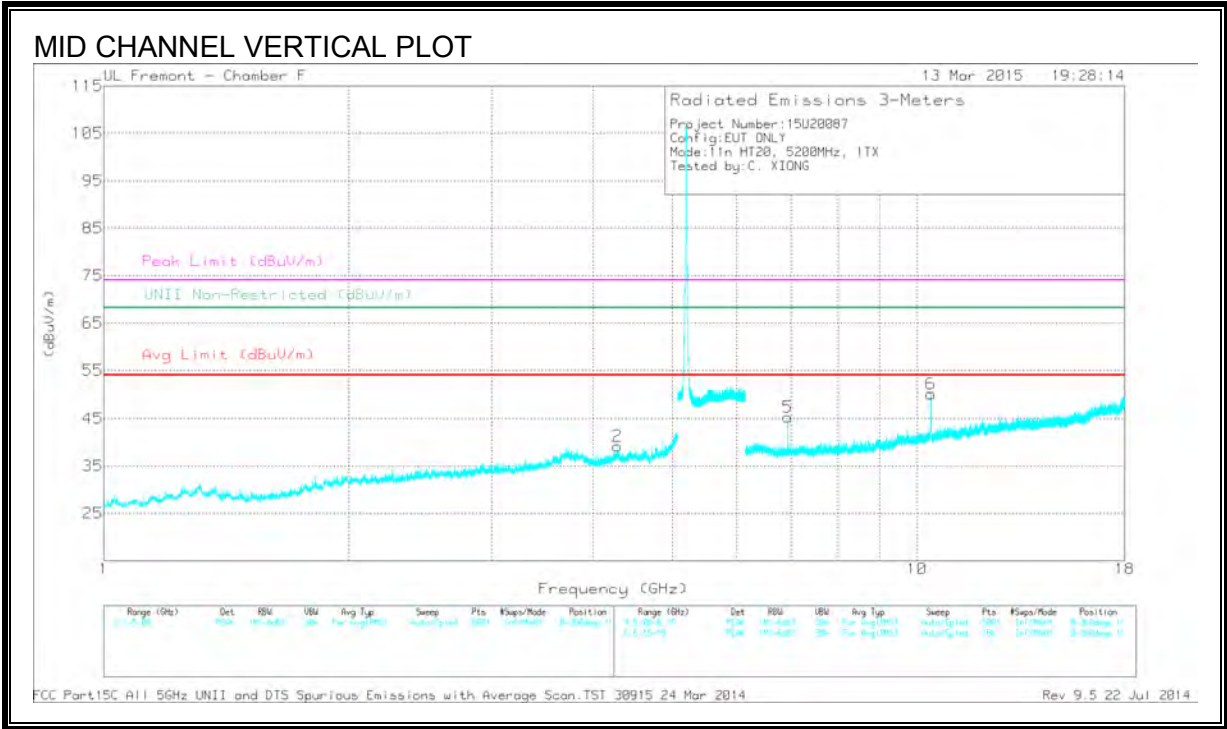
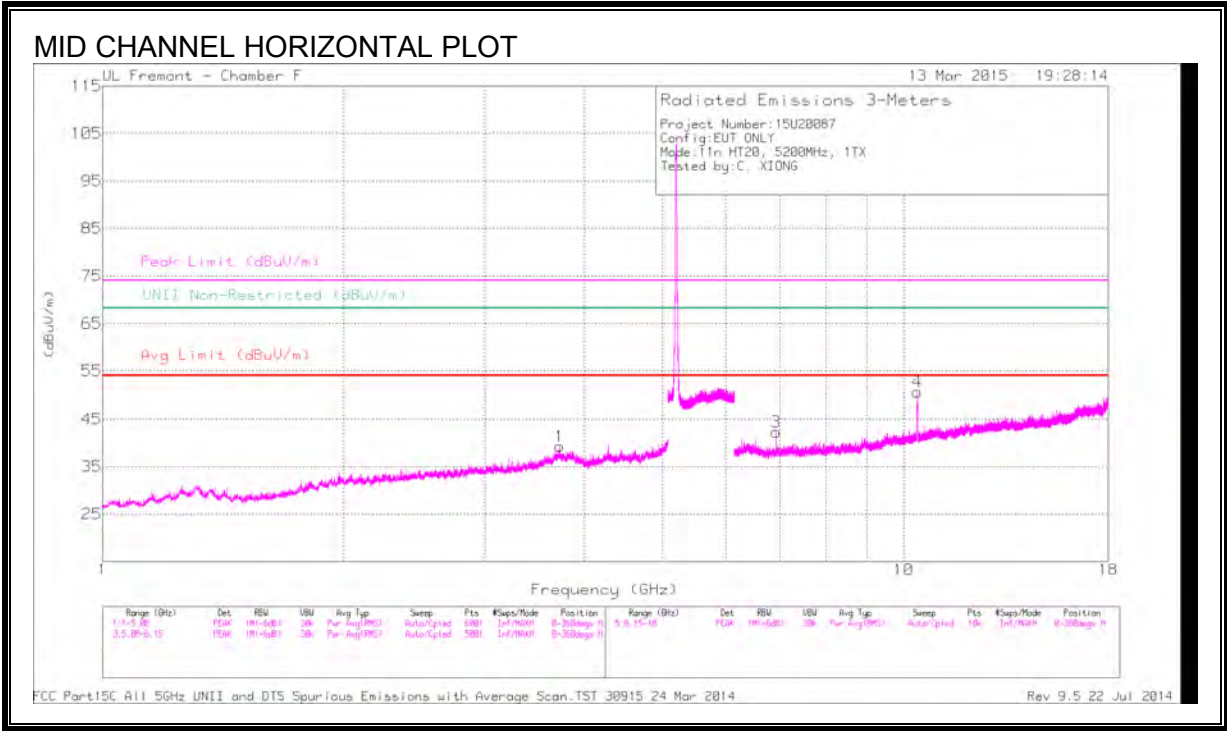
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fi tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.293	39.67	PK1	32	-30.8	40.87	-	-	74	-33.13	-	-	31	392	V
	* 2.291	27.98	AD1	32	-30.8	29.18	54	-24.82	-	-	-	-	31	392	V
2	2.402	42.55	PK1	32.1	-30.6	44.05	-	-	-	-	68.2	-24.15	278	100	V
3	5.562	42.3	PK1	34.4	-18	58.7	-	-	-	-	68.2	-9.5	124	100	H
5	6.907	40.56	PK1	35.5	-25.8	50.26	-	-	-	-	68.2	-17.94	206	280	V
4	10.361	47.02	PK1	37.4	-21.7	62.72	-	-	-	-	68.2	-5.48	201	132	H
6	10.361	41.2	PK1	37.4	-21.7	56.9	-	-	-	-	68.2	-11.3	206	202	V

* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

MID CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

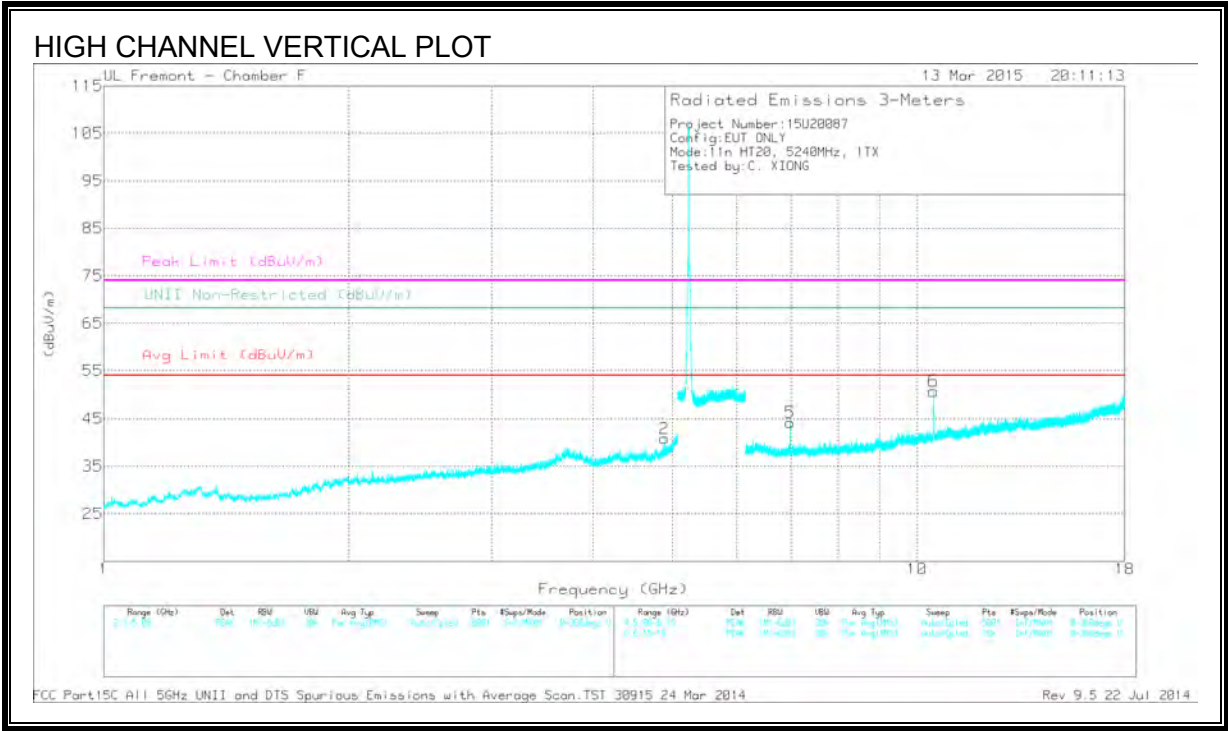
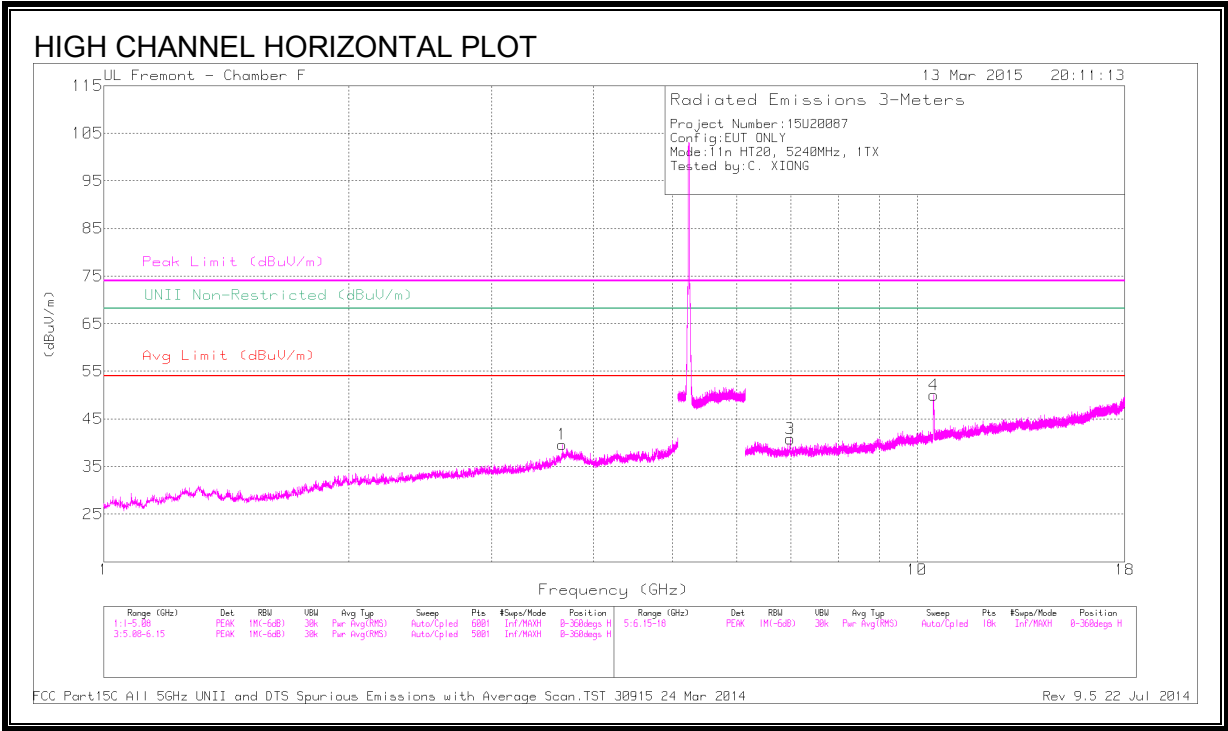
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.721	39.19	PK1	34.8	-29	44.99	-	-	74	-29.01	-	-	338	155	H
	* 3.72	27.22	AD1	34.8	-29	33.02	54	-20.98	-	-	-	-	338	155	H
2	* 4.284	37.87	PK1	33.7	-27	44.57	-	-	74	-29.43	-	-	231	363	V
	* 4.284	26.16	AD1	33.7	-27	32.86	54	-21.14	-	-	-	-	231	363	V
3	6.933	39.22	PK1	35.5	-26.3	48.42	-	-	-	-	68.2	-19.78	295	182	H
4	10.398	46.21	PK1	37.3	-21.8	61.71	-	-	-	-	68.2	-6.49	329	124	H
5	6.933	41.34	PK1	35.5	-26.3	50.54	-	-	-	-	68.2	-17.66	287	117	V
6	10.4	45.48	PK1	37.4	-21.9	60.98	-	-	-	-	68.2	-7.22	12	185	V

* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

HIGH CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/FI tri/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	* 3.662	38.94	PK1	34.9	-28.8	45.04	-	-	74	-28.96	-	-	35	290	H
	* 3.663	26.82	AD1	34.9	-28.8	32.92	54	-21.08	-	-	-	-	35	290	H
2	* 4.891	40.39	PK1	34.2	-27.2	47.39	-	-	74	-26.61	-	-	332	221	V
	* 4.891	30.39	AD1	34.2	-27.2	37.39	54	-16.61	-	-	-	-	332	221	V
3	6.987	39.02	PK1	35.5	-25.7	48.82	-	-	-	-	68.2	-19.38	295	210	H
4	10.475	44.11	PK1	37.6	-22.1	59.61	-	-	-	-	68.2	-8.59	326	117	H
5	6.987	40.56	PK1	35.5	-25.7	50.36	-	-	-	-	68.2	-17.84	314	126	V
6	10.482	43.87	PK1	37.6	-22	59.47	-	-	-	-	68.2	-8.73	4	199	V

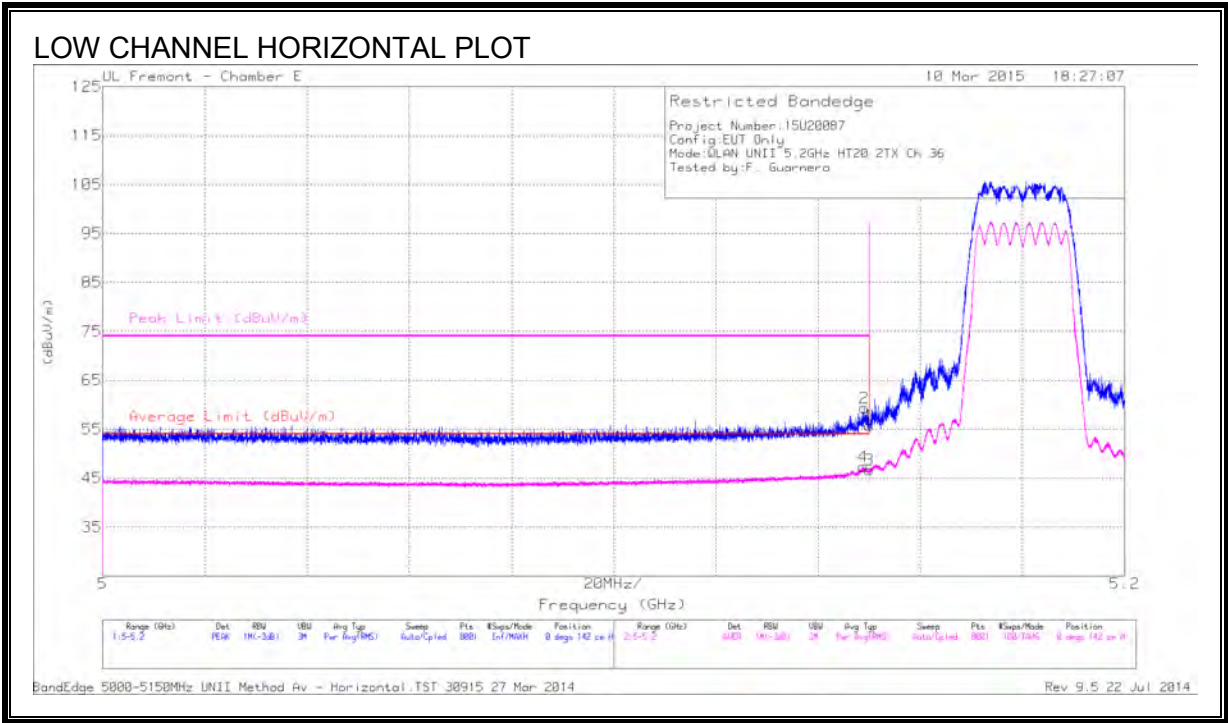
* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

9.3. 802.11n HT20 2Tx CDD MODE IN THE 5.2 GHz BAND

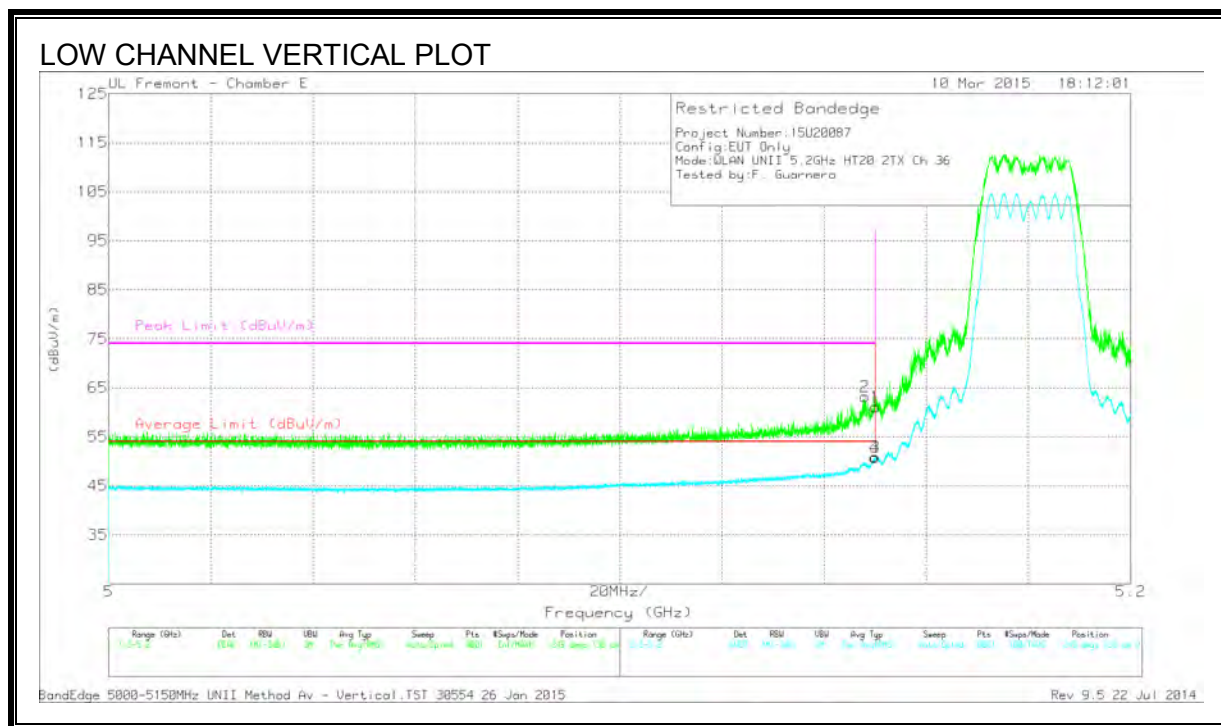
RESTRICTED BANDEGE (LOW CHANNEL)



DATA

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	43	PK	34.3	-21.5	55.8	-	-	74	-18.2	0	142	H
2	* 5.149	46.52	PK	34.3	-21.5	59.32	-	-	74	-14.68	0	142	H
3	* 5.15	33.89	RMS	34.3	-21.5	46.69	54	-7.31	-	-	0	142	H
4	* 5.149	34.48	RMS	34.3	-21.5	47.28	54	-6.72	-	-	0	142	H

* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.
PK - Peak detector
RMS - RMS detection



DATA

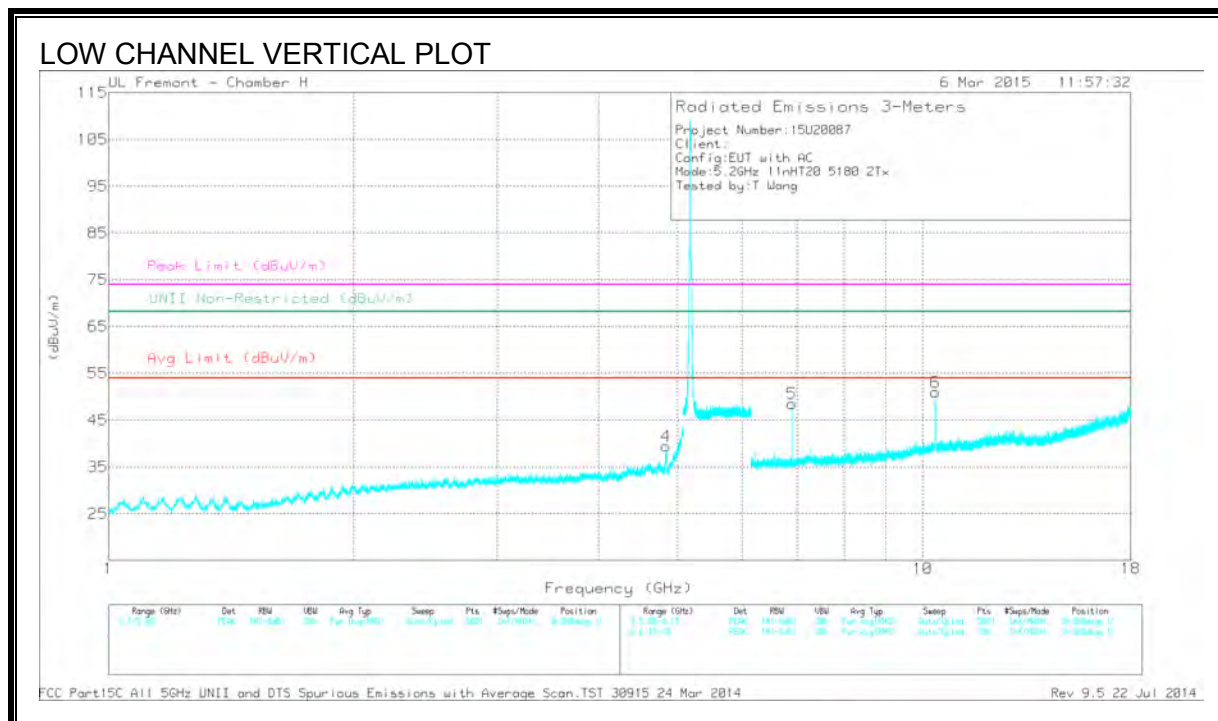
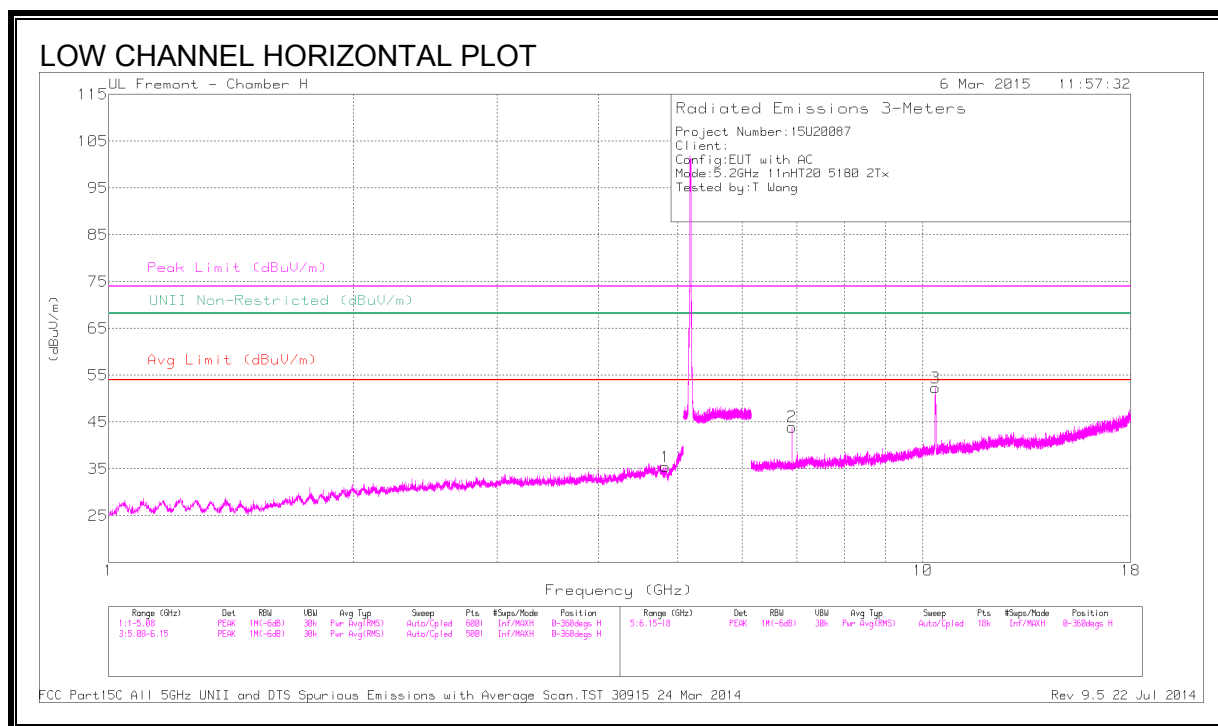
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	48.31	PK	34.3	-21.5	61.11	-	-	74	-12.89	249	138	V
2	* 5.148	50.46	PK	34.3	-21.5	63.26	-	-	74	-10.74	249	138	V
3	* 5.15	38.13	RMS	34.3	-21.5	50.93	54	-3.07	-	-	249	138	V
4	* 5.15	37.95	RMS	34.3	-21.5	50.75	54	-3.25	-	-	249	138	V

* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK - Peak detector

RMS - RMS detection

LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

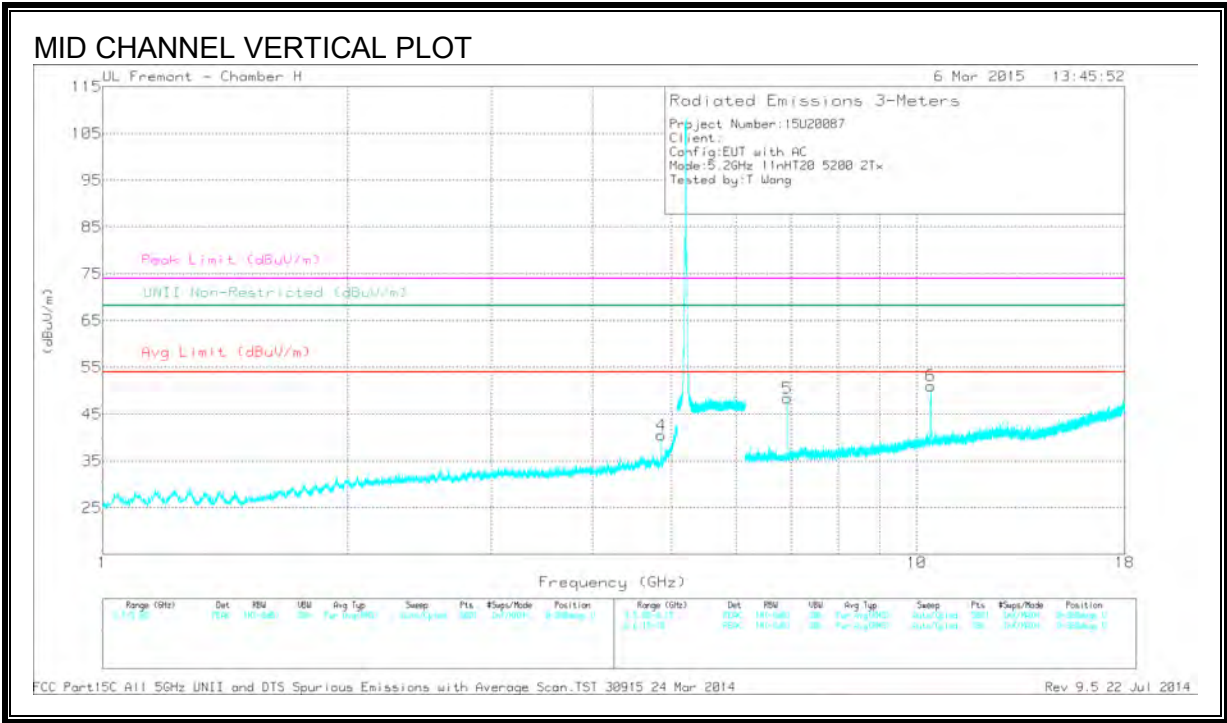
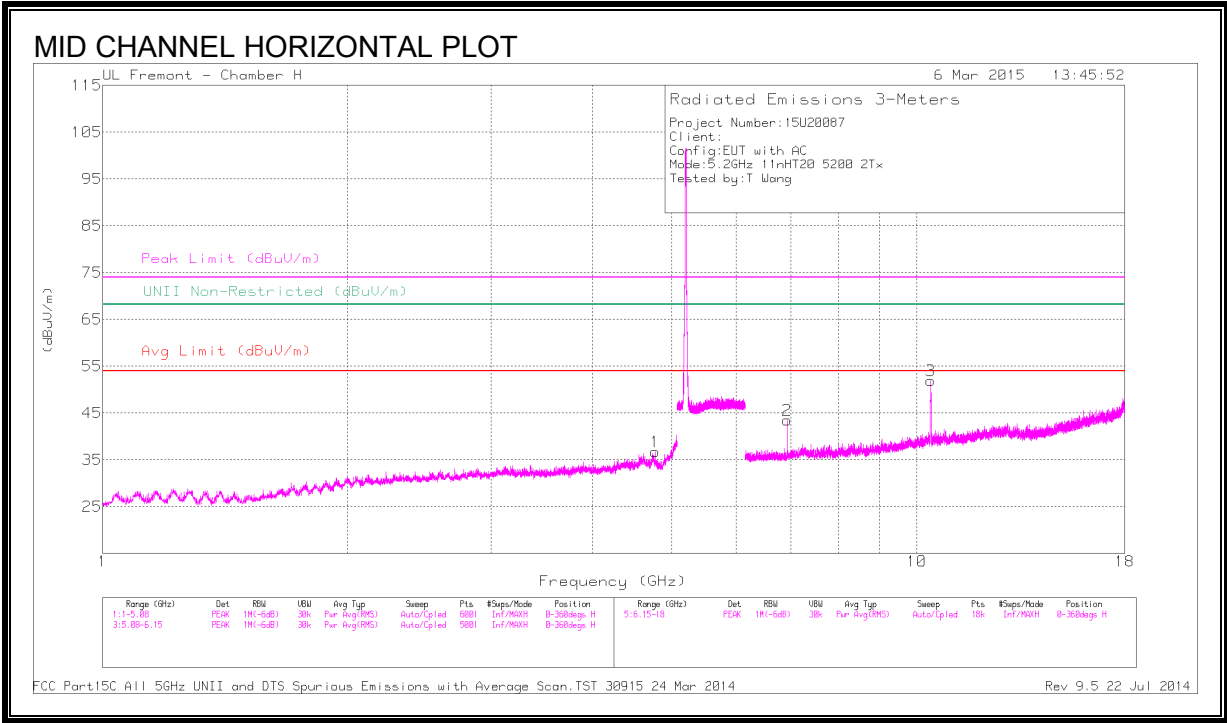
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/FI tri/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.834	41.57	PK1	34.3	-31.8	44.07	-	-	74	-29.93	-	-	132	304	H
	* 4.835	31.34	AD1	34.3	-31.8	33.84	54	-20.16	-	-	-	-	132	304	H
4	* 4.835	43.69	PK1	34.3	-31.8	46.19	-	-	74	-27.81	-	-	12	102	V
	* 4.835	35.08	AD1	34.3	-31.8	37.58	54	-16.42	-	-	-	-	12	102	V
2	6.906	40.76	PK1	35.8	-30.7	45.86	-	-	-	-	68.2	-22.34	20	117	H
5	6.907	46.98	PK1	35.8	-30.7	52.08	-	-	-	-	68.2	-16.12	30	148	V
6	10.358	44.69	PK1	37.5	-25.9	56.29	-	-	-	-	68.2	-11.91	30	148	V
3	10.359	49.49	PK1	37.5	-25.9	61.09	-	-	-	-	68.2	-7.11	20	117	H

* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

MID CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

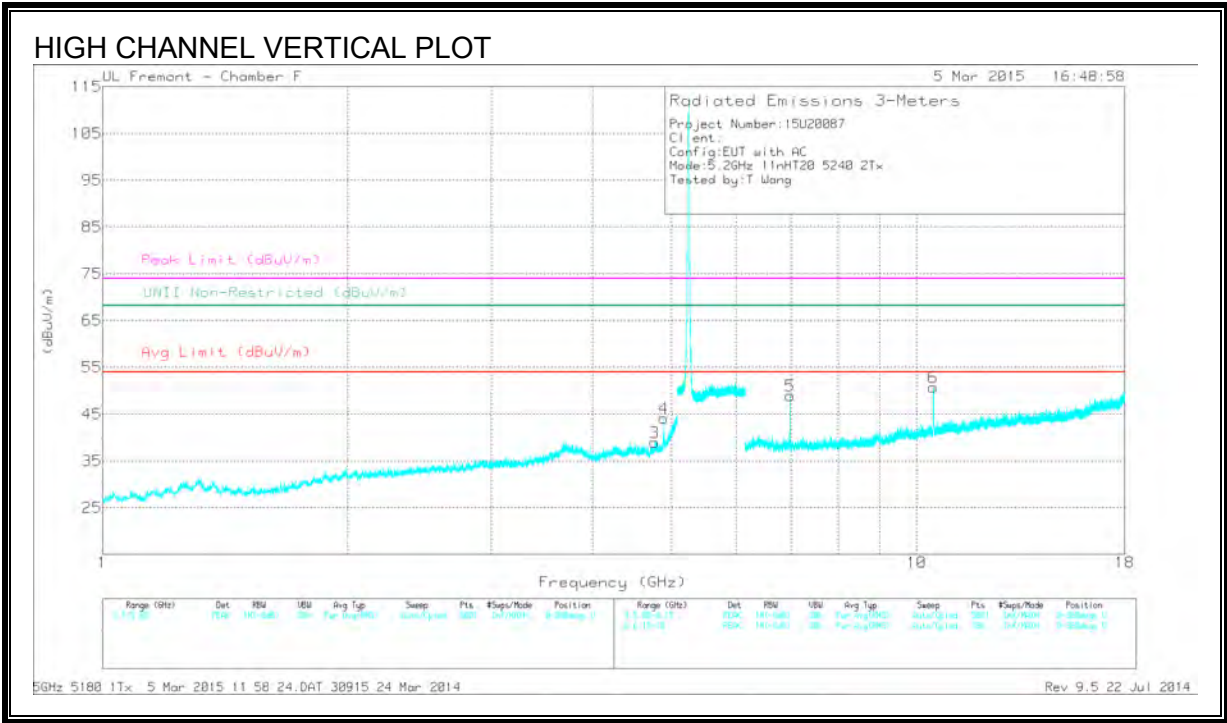
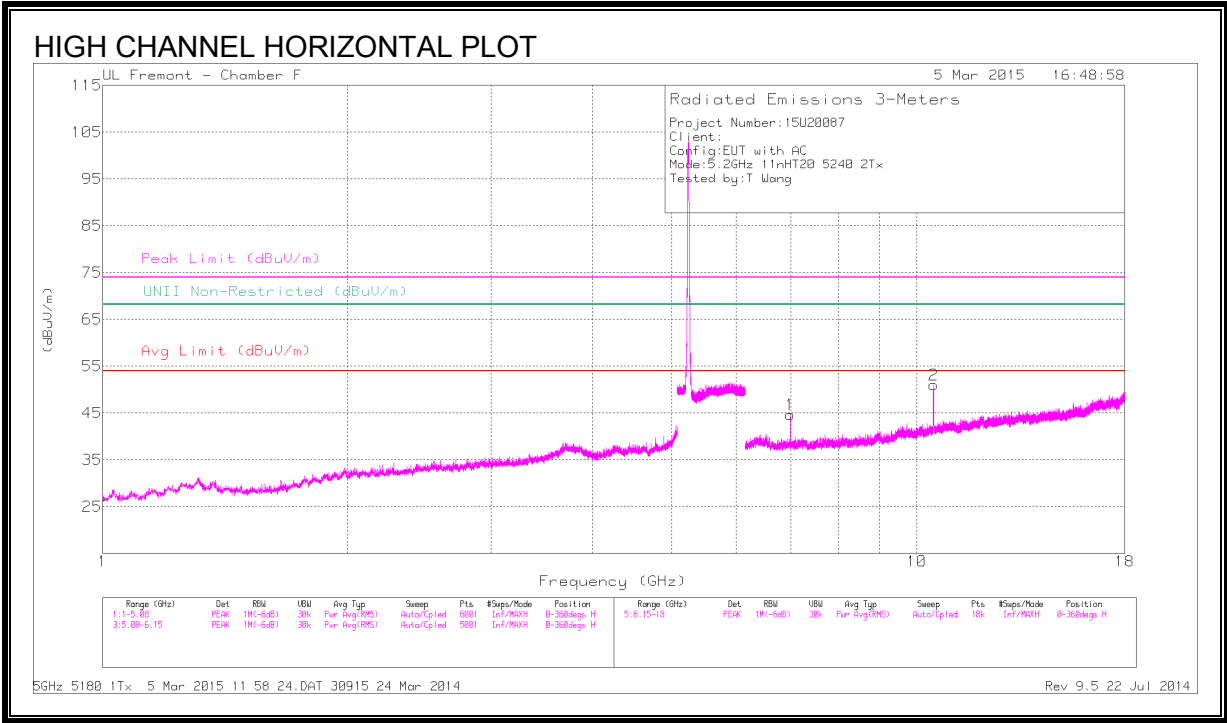
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.774	40.64	PK1	34.3	-31.8	43.14	-	-	74	-30.86	-	-	13	133	H
	* 4.776	29.73	AD1	34.3	-31.8	32.23	54	-21.77	-	-	-	-	13	133	H
4	* 4.853	44.44	PK1	34.3	-31.5	47.24	-	-	74	-26.76	-	-	35	102	V
	* 4.853	36.67	AD1	34.3	-31.5	39.47	54	-14.53	-	-	-	-	35	102	V
2	6.933	41.59	PK1	35.8	-30.7	46.69	-	-	-	-	68.2	-21.51	353	109	H
5	6.933	47.64	PK1	35.8	-30.7	52.74	-	-	-	-	68.2	-15.46	0	119	V
6	10.402	41.97	PK1	37.5	-25.8	53.67	-	-	-	-	68.2	-14.53	0	119	V
3	10.403	48.36	PK1	37.5	-25.8	60.06	-	-	-	-	68.2	-8.14	353	109	H

* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

HIGH CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/CbI/F1 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 (Dege)	Height (cm)	Polarity
3	* 4.767	39.83	PK1	34.1	-27.5	46.43	-	-	74	-27.57	-	-	106	253	V
	* 4.769	27.67	AD1	34.1	-27.5	34.27	54	-19.73	-	-	-	-	106	253	V
4	* 4.891	43.18	PK1	34.2	-27.2	50.18	-	-	74	-23.82	-	-	55	107	V
	* 4.891	35.45	AD1	34.2	-27.2	42.45	54	-11.55	-	-	-	-	55	107	V
1	6.987	39.73	PK1	35.5	-25.7	49.53	-	-	-	-	68.2	-18.67	22	200	H
2	10.482	44.25	PK1	37.6	-22	59.85	-	-	-	-	68.2	-8.35	37	105	H
5	6.987	43.16	PK1	35.5	-25.7	52.96	-	-	-	-	68.2	-15.24	44	139	V
6	10.473	45.38	PK1	37.6	-22.1	60.88	-	-	-	-	68.2	-7.32	94	191	V

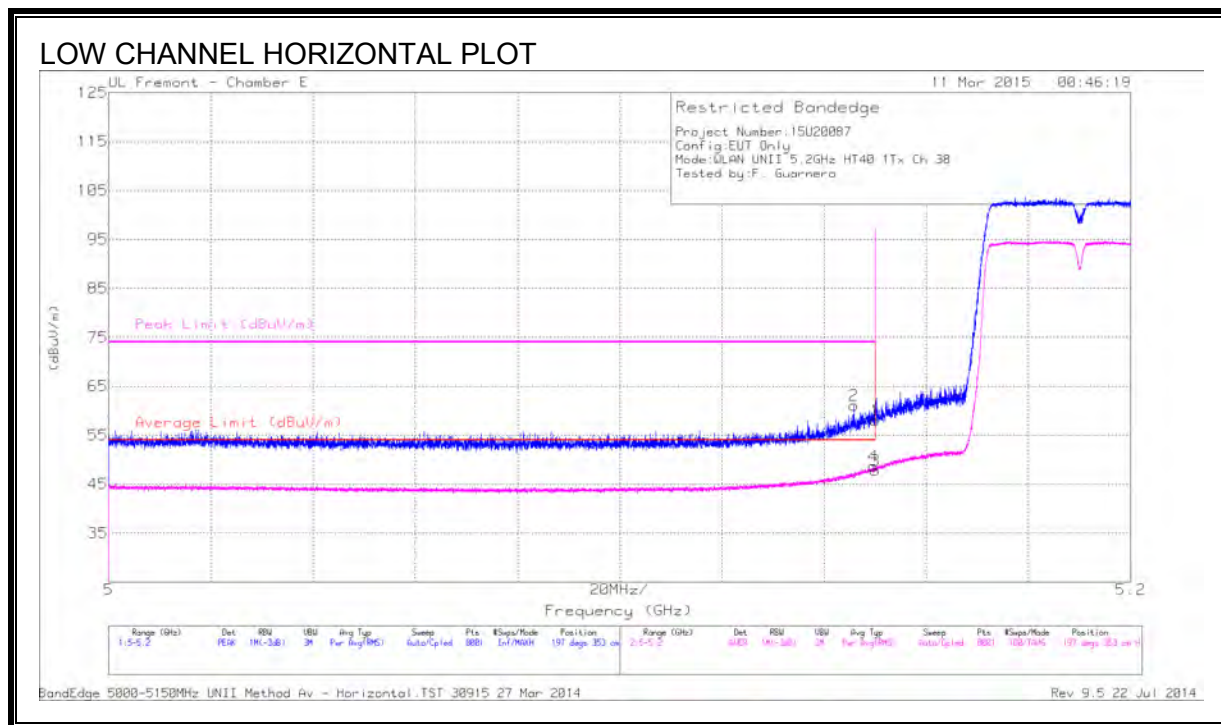
* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

9.4. 802.11n HT40 SISO MODE IN THE 5.2 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



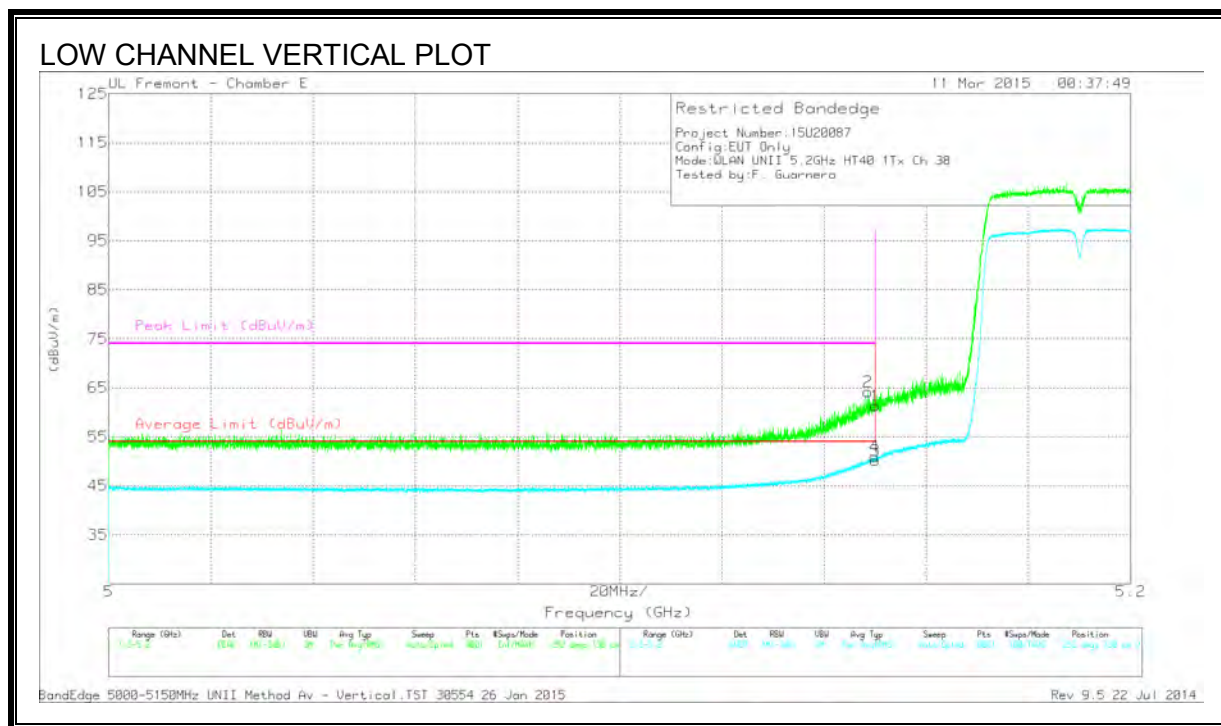
DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.146	48.37	PK	34.3	-21.6	61.07	-	-	74	-12.93	197	353	H
1	* 5.15	45.17	PK	34.3	-21.5	57.97	-	-	74	-16.03	197	353	H
3	* 5.15	35.03	RMS	34.3	-21.5	47.83	54	-6.17	-	-	197	353	H
4	* 5.15	35.86	RMS	34.3	-21.5	48.66	54	-5.34	-	-	197	353	H

* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK - Peak detector

RMS - RMS detection



DATA

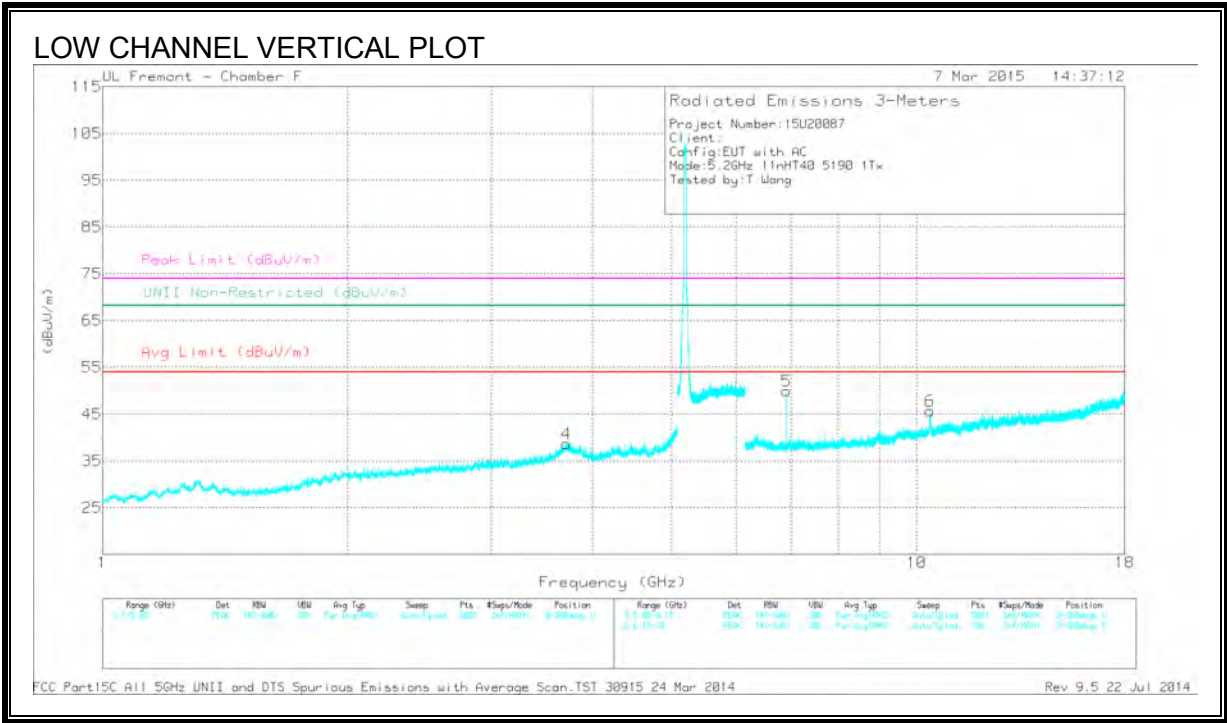
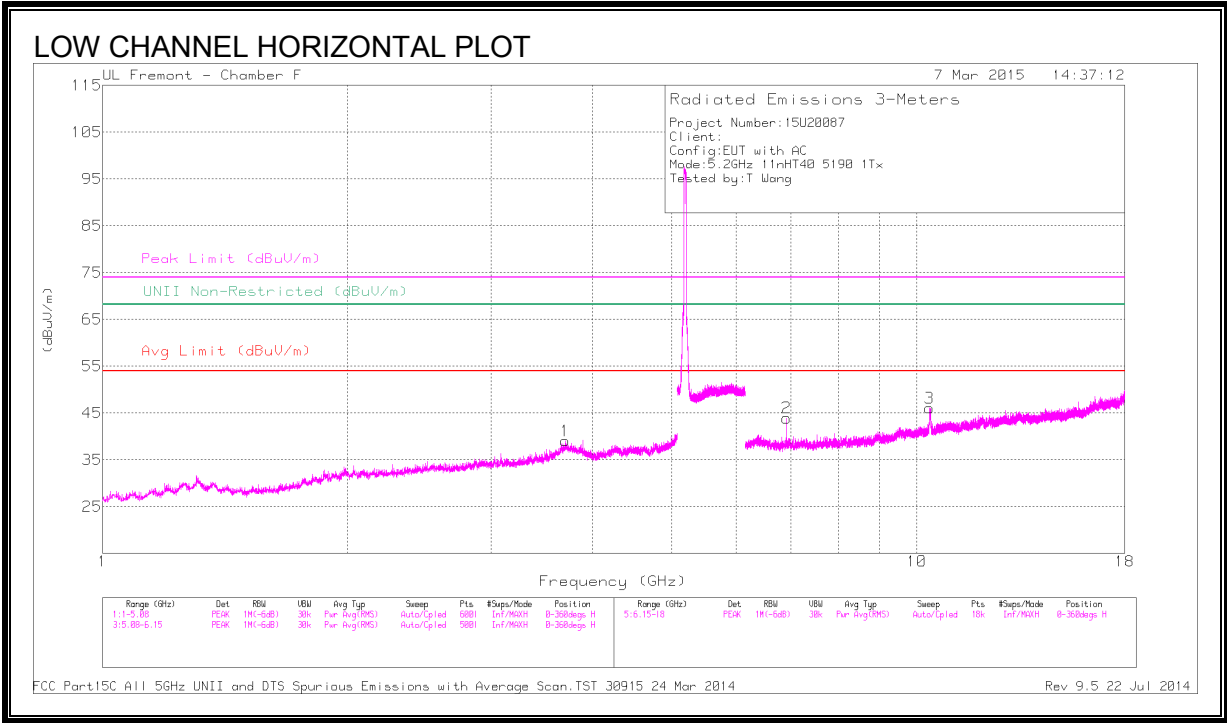
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.149	51.38	PK	34.3	-21.5	64.18	-	-	74	-9.82	252	130	V
1	* 5.15	48.49	PK	34.3	-21.5	61.29	-	-	74	-12.71	252	130	V
3	* 5.15	37.33	RMS	34.3	-21.5	50.13	54	-3.87	-	-	252	130	V
4	* 5.15	38.17	RMS	34.3	-21.5	50.97	54	-3.03	-	-	252	130	V

* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK - Peak detector

RMS - RMS detection

LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

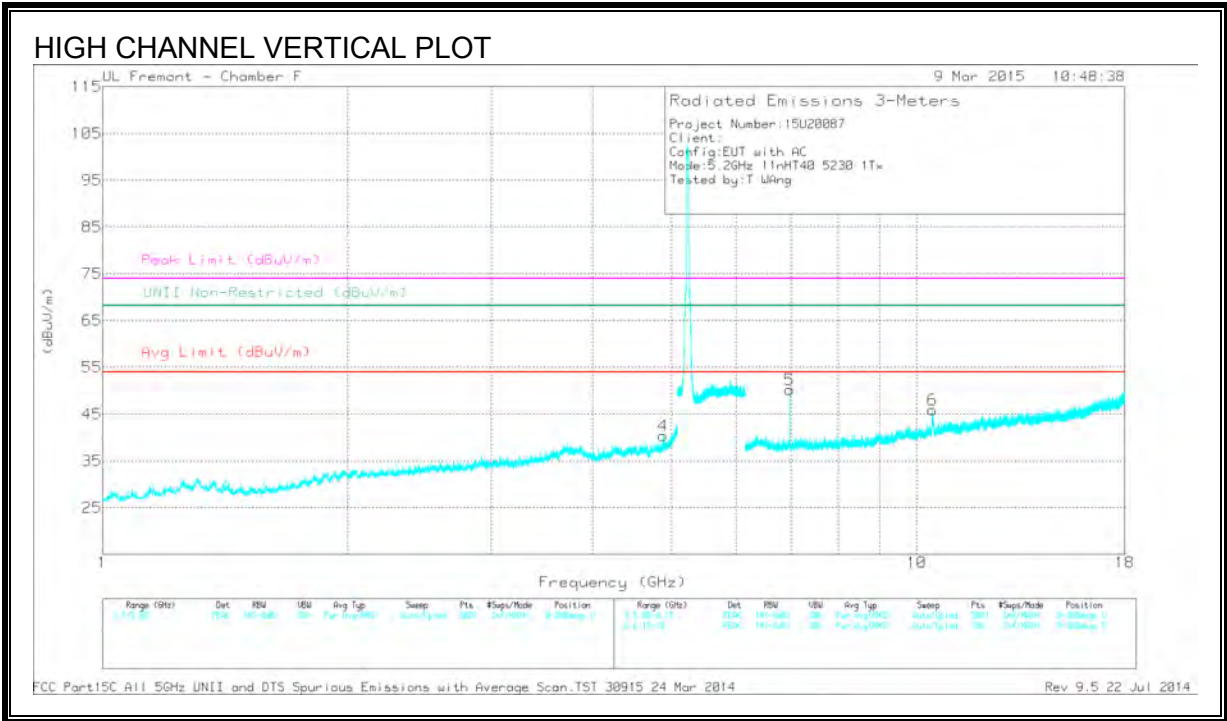
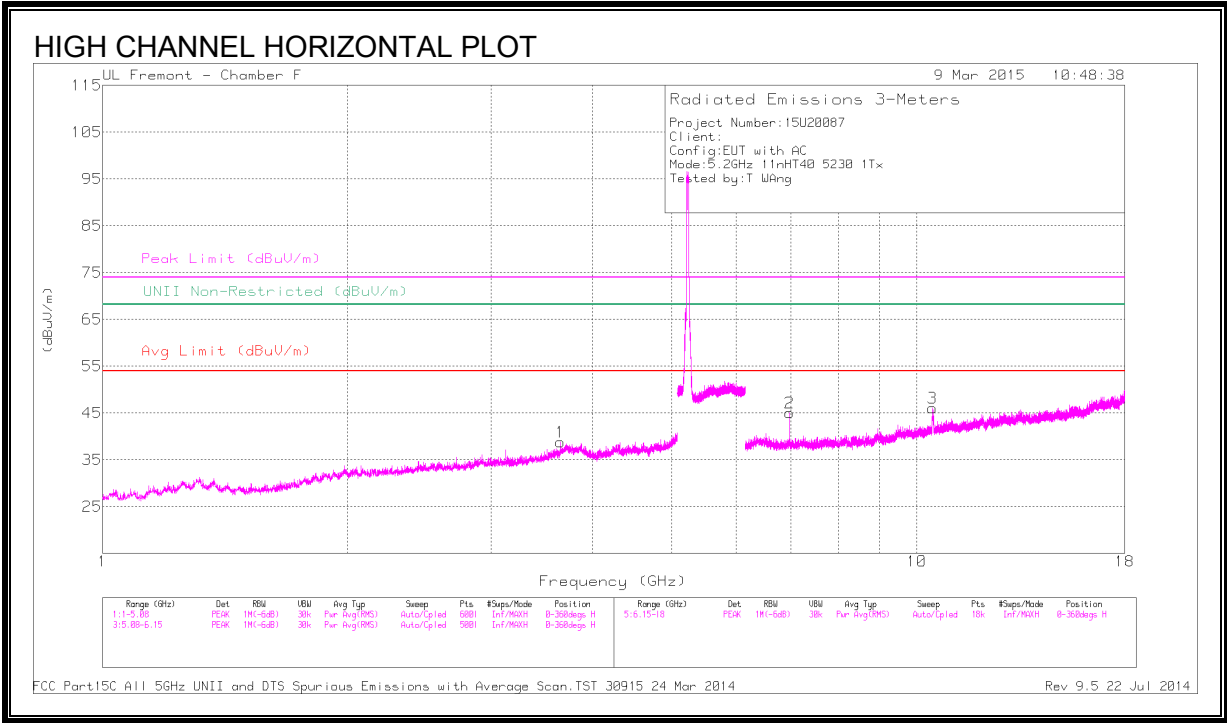
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.699	39.77	PK1	33.3	-29.6	43.47	-	-	74	-30.53	-	-	158	377	H
	* 3.699	27.77	AD1	33.3	-29.6	31.47	54	-22.53	-	-	-	-	158	377	H
4	* 3.713	38.89	PK1	34.8	-28.9	44.79	-	-	74	-29.21	-	-	238	358	V
	* 3.716	27.22	AD1	34.8	-28.9	33.12	54	-20.88	-	-	-	-	238	358	V
2	6.92	37.47	PK1	35.5	-26.3	46.67	-	-	-	-	68.2	-21.53	158	377	H
3	10.366	34.6	PK1	37.3	-21.4	50.5	-	-	-	-	68.2	-17.7	158	377	H
5	6.92	43.05	PK1	35.5	-26.3	52.25	-	-	-	-	68.2	-15.95	35	101	V
6	10.379	34.54	PK1	37.3	-21.4	50.44	-	-	-	-	68.2	-17.76	35	101	V

* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

HIGH CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/FI triPad (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	* 3.653	37.99	PK1	34.9	-28.9	43.99	-	-	74	-30.01	-	-	352	350	H
	* 3.65	27.01	AD1	34.9	-29	32.91	54	-21.09	-	-	-	-	352	350	H
4	* 4.881	39.73	PK1	34.2	-27.4	46.53	-	-	74	-27.47	-	-	77	329	V
	* 4.881	29.81	AD1	34.2	-27.4	36.61	54	-17.39	-	-	-	-	77	329	V
3	10.46	34	PK1	37.5	-22.1	49.4	-	-	-	-	68.2	-18.8	352	350	H
2	6.973	37.74	PK1	35.5	-25.5	47.74	-	-	-	-	68.2	-20.46	352	350	H
5	6.973	41.8	PK1	35.5	-25.5	51.8	-	-	-	-	68.2	-16.4	77	329	V
6	10.453	34.96	PK1	37.5	-22	50.46	-	-	-	-	68.2	-17.74	77	329	V

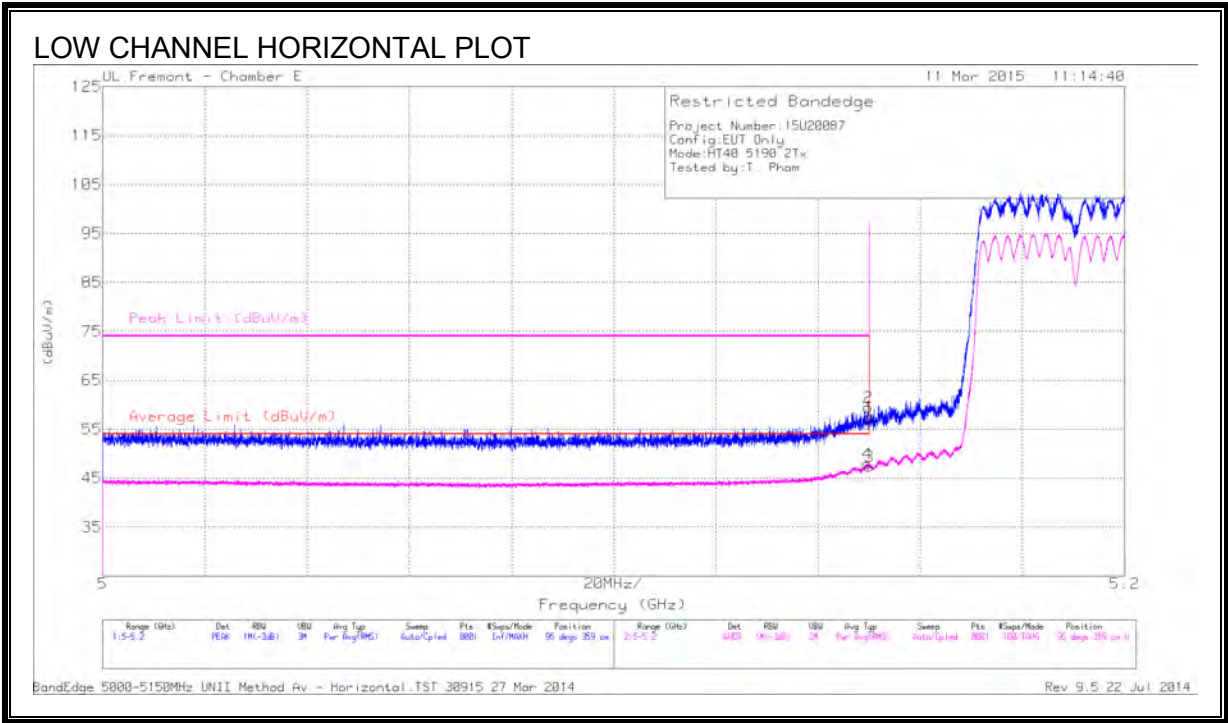
* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

9.5. 802.11n HT40 2Tx CDD MODE IN THE 5.2 GHz BAND

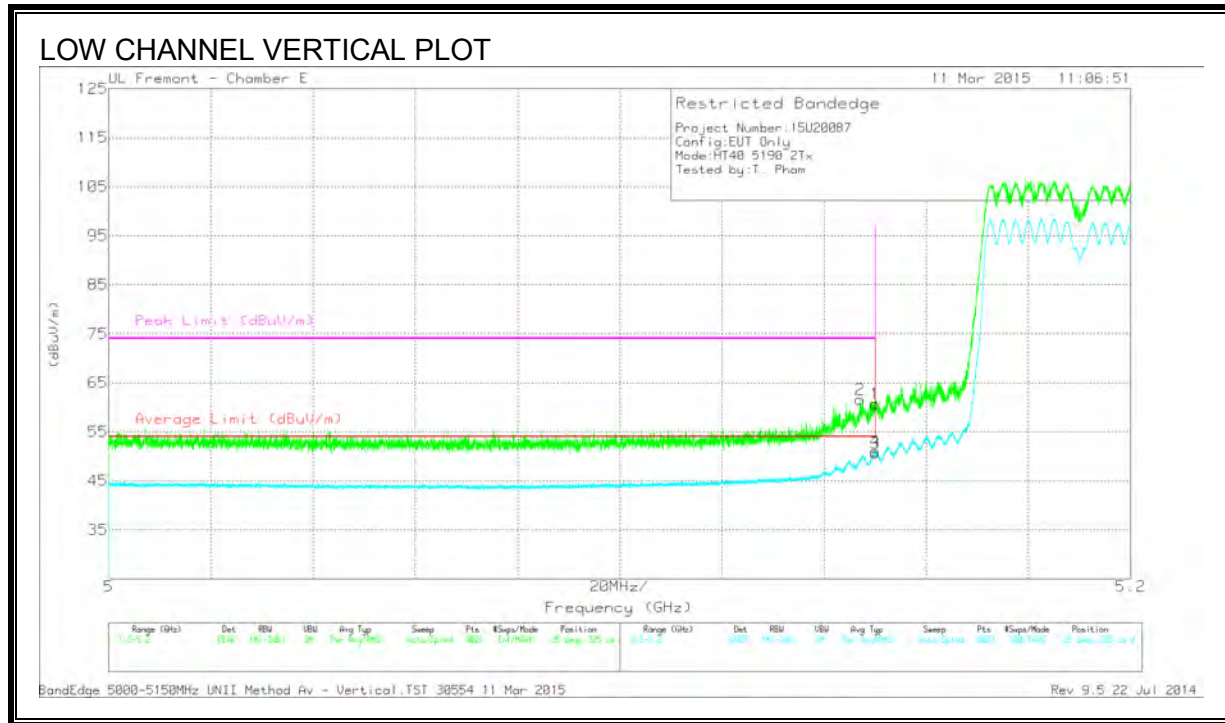
RESTRICTED BANDEDGE (LOW CHANNEL)



DATA

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	44.66	PK	34.3	-21.5	57.46	-	-	74	-16.54	95	359	H
2	* 5.15	46.64	PK	34.3	-21.5	59.44	-	-	74	-14.56	95	359	H
3	* 5.15	34.68	RMS	34.3	-21.5	47.48	54	-6.52	-	-	95	359	H
4	* 5.15	35.11	RMS	34.3	-21.5	47.91	54	-6.09	-	-	95	359	H

* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.
PK - Peak detector
RMS - RMS detection



DATA

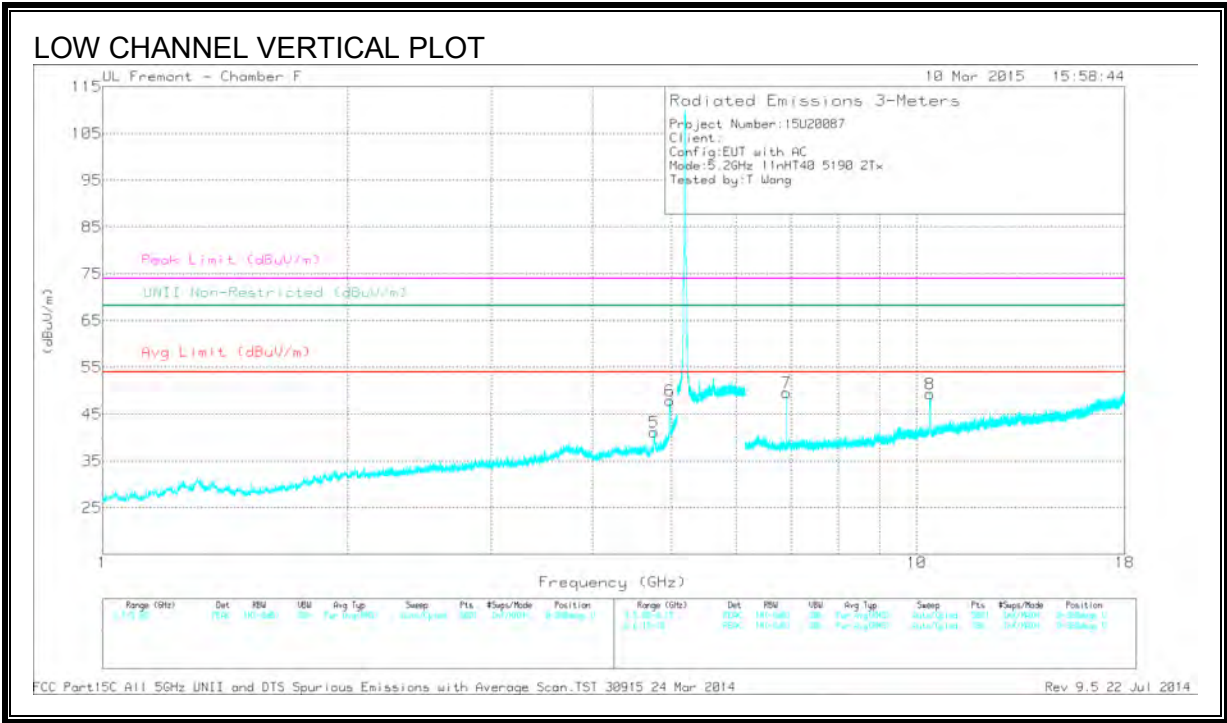
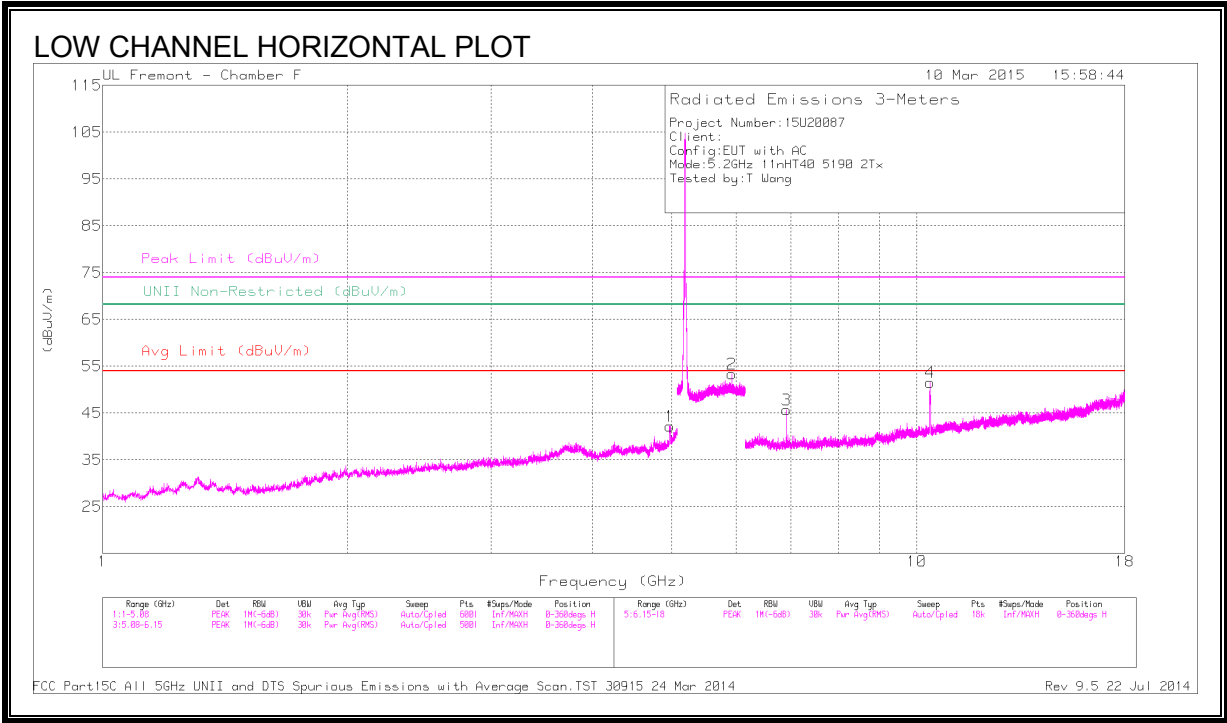
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	47.89	PK	34.3	-21.5	60.69	-	-	74	-13.31	25	325	V
2	* 5.147	48.94	PK	34.3	-21.6	61.64	-	-	74	-12.36	25	325	V
3	* 5.15	37.9	RMS	34.3	-21.5	50.7	54	-3.3	-	-	25	325	V
4	* 5.15	38.26	RMS	34.3	-21.5	51.06	54	-2.94	-	-	25	325	V

* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK - Peak detector

RMS - RMS detection

LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

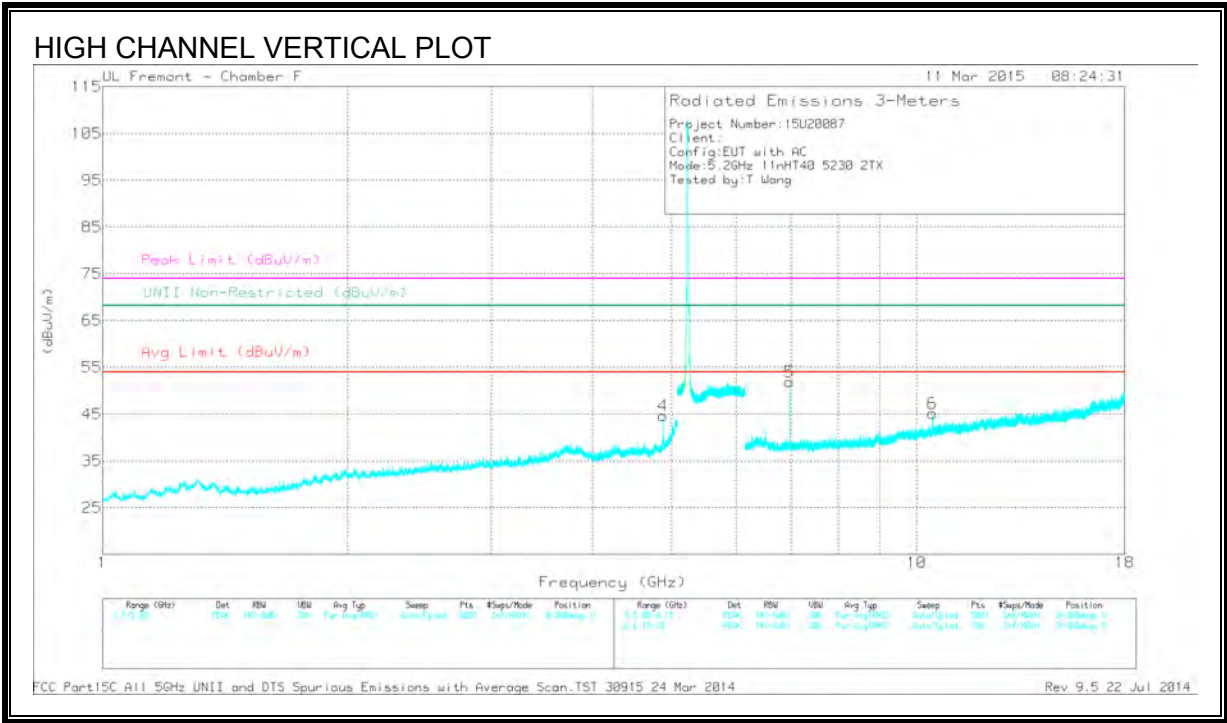
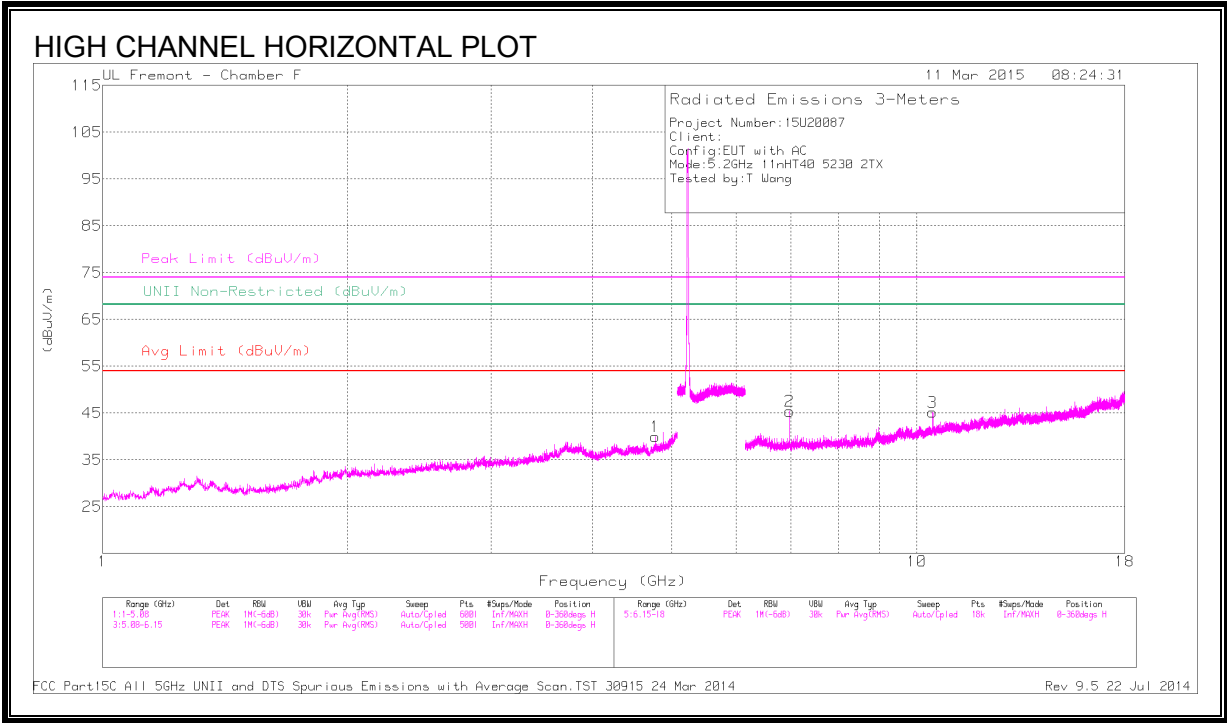
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cb/F1 tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.974	43.54	PK1	34.2	-27	50.74	-	-	74	-23.26	-	-	125	348	H
	* 4.974	32.73	AD1	34.2	-27	39.93	54	-14.07	-	-	-	-	125	348	H
5	* 4.974	47.38	PK1	34.2	-27	54.58	-	-	74	-19.42	-	-	86	343	V
	* 4.974	37.39	AD1	34.2	-27	44.59	54	-9.41	-	-	-	-	86	343	V
6	* 4.76	41.63	PK1	34.1	-27.7	48.03	-	-	74	-25.97	-	-	86	343	V
	* 4.758	32.09	AD1	34.1	-27.7	38.49	54	-15.51	-	-	-	-	86	343	V
2	5.923	40.87	PK1	35.2	-18.1	57.97	-	-	-	-	68.2	-10.23	125	348	H
3	6.921	37.51	PK1	35.5	-26.3	46.71	-	-	-	-	68.2	-21.49	125	348	H
4	10.38	35.45	PK1	37.3	-21.4	51.35	-	-	-	-	68.2	-16.85	125	348	H
7	6.92	38.85	PK1	35.5	-26.3	48.05	-	-	-	-	68.2	-20.15	86	343	V
8	10.375	37.93	PK1	37.3	-21.4	53.83	-	-	-	-	68.2	-14.37	86	343	V

* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

HIGH CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (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	* 4.767	40.01	PK1	34.1	-27.5	46.61	-	-	74	-27.39	-	-	196	183	H
	* 4.77	27.43	AD1	34.1	-27.5	34.03	54	-19.97	-	-	-	-	196	183	H
4	* 4.882	42.75	PK1	34.2	-27.4	49.55	-	-	74	-24.45	-	-	75	366	V
	* 4.881	34.88	AD1	34.2	-27.4	41.68	54	-12.32	-	-	-	-	75	366	V
2	6.975	36.97	PK1	35.5	-25.5	46.97	-	-	-	-	68.2	-21.23	196	183	H
3	10.455	35.21	PK1	37.5	-22	50.71	-	-	-	-	68.2	-17.49	196	183	H
5	6.973	45.02	PK1	35.5	-25.5	55.02	-	-	-	-	68.2	-13.18	42	125	V
6	10.458	36.12	PK1	37.5	-22.1	51.52	-	-	-	-	68.2	-16.68	42	125	V

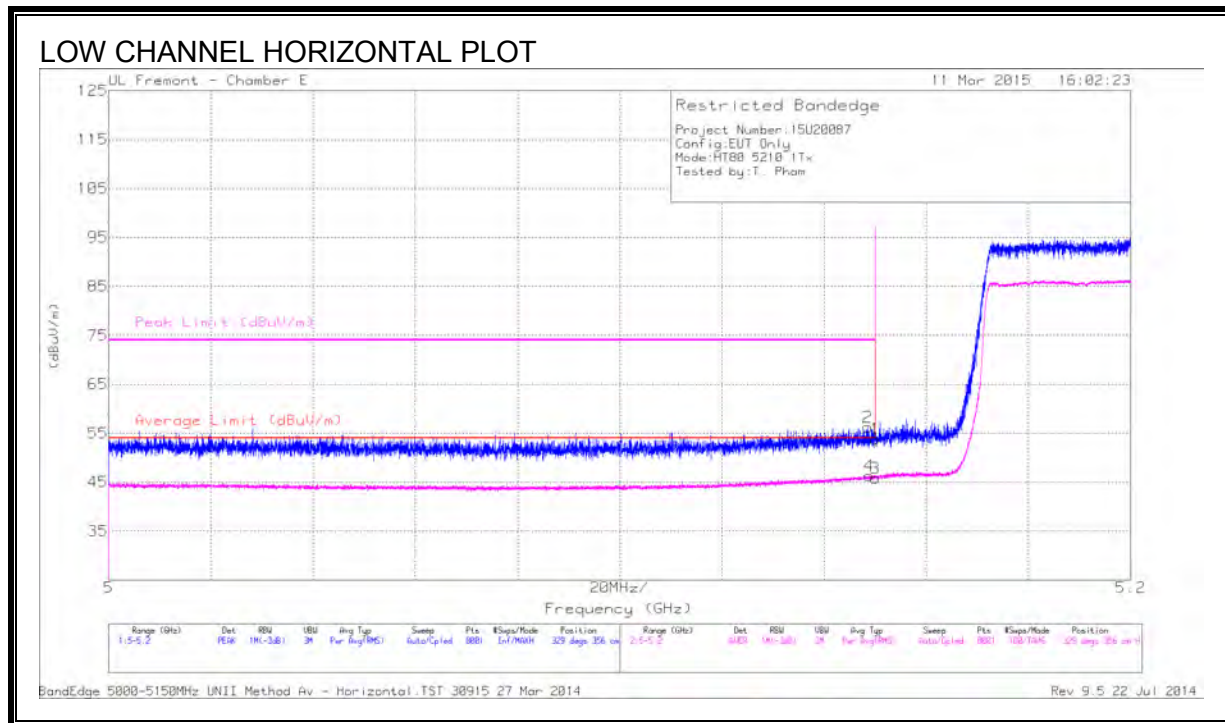
* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

9.6. 802.11ac VHT80 1TX SISO MODE IN THE 5.2 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL, CH 42)



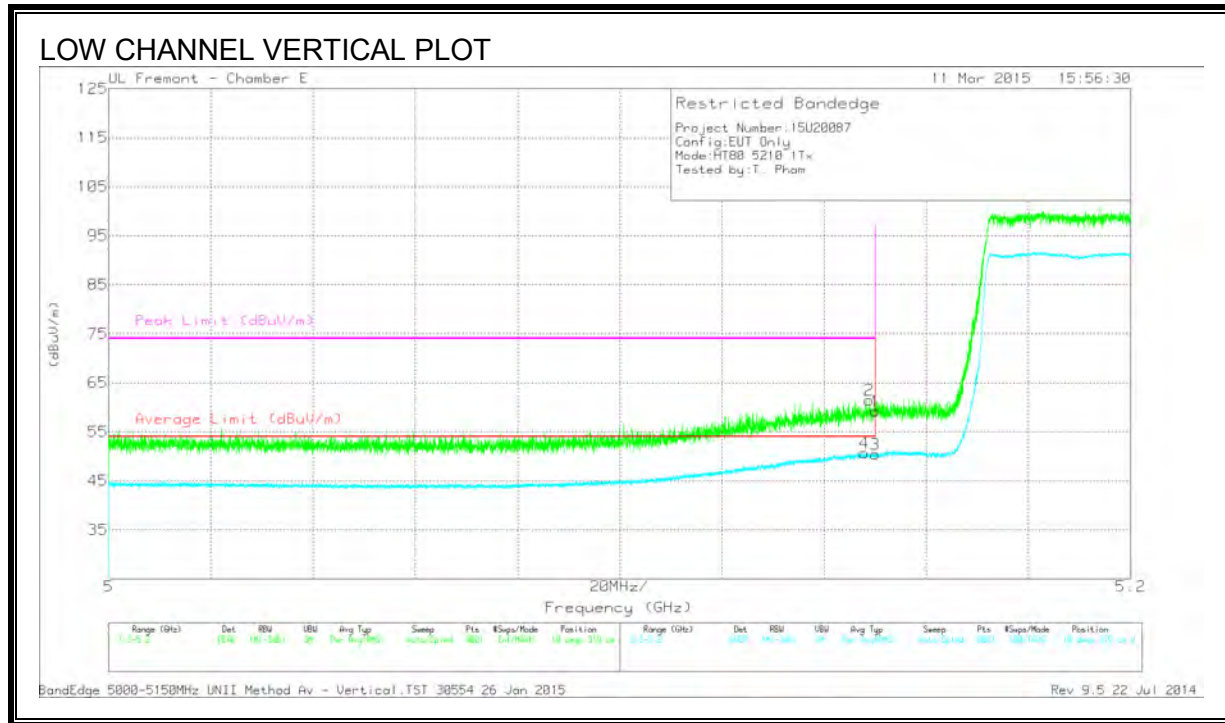
DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ Filt/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	* 5.15	41.03	PK	34.3	-21.5	0	53.83	-	-	74	-20.17	329	356	H
2	* 5.149	43.48	PK	34.3	-21.5	0	56.28	-	-	74	-17.72	329	356	H
3	* 5.15	33.06	RMS	34.3	-21.5	.16	46.02	54	-7.96	-	-	329	356	H
4	* 5.149	33.56	RMS	34.3	-21.5	.16	46.52	54	-7.48	-	-	329	356	H

* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK - Peak detector

RMS - RMS detection



DATA

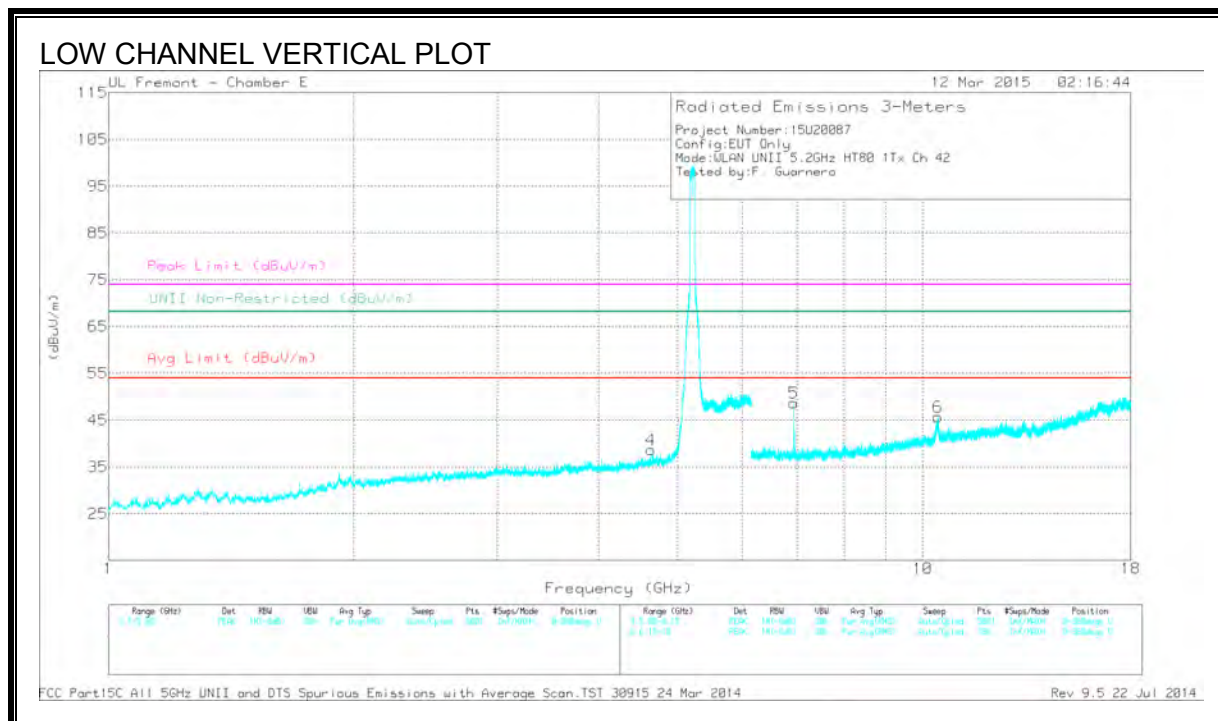
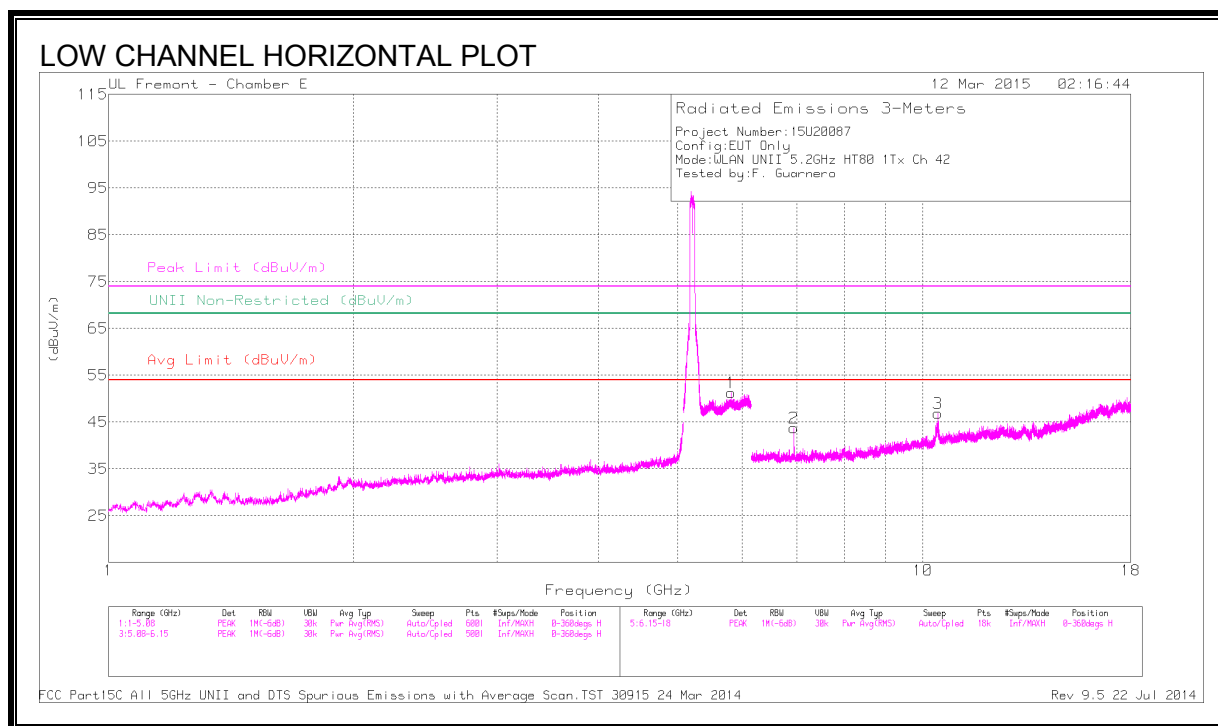
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	46.47	PK	34.3	-21.5	0	59.27	-	-	74	-14.73	10	319	V
2	* 5.149	48.71	PK	34.3	-21.5	0	61.51	-	-	74	-12.49	10	319	V
3	* 5.15	37.67	RMS	34.3	-21.5	.16	50.53	54	-3.47	-	-	10	319	V
4	* 5.148	37.89	RMS	34.3	-21.5	.16	50.85	54	-3.15	-	-	10	319	V

* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK - Peak detector

RMS - RMS detection

LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 4.631	42.56	PK1	34.1	-30.2	0	46.46	-	-	74	-27.54	-	-	224	302	V
	* 4.631	32.98	AD1	34.1	-30.2	.16	37.04	54	-16.96	-	-	-	-	224	302	V
1	5.816	43.6	PK1	34.9	-20.2	0	58.3	-	-	-	-	68.2	-9.9	190	145	H
2	6.946	42.58	PK1	35.6	-28.4	0	49.78	-	-	-	-	68.2	-18.42	227	200	H
5	6.947	46.24	PK1	35.6	-28.4	0	53.44	-	-	-	-	68.2	-14.76	244	121	V
3	10.423	42.24	PK1	37.4	-24.3	0	55.34	-	-	-	-	68.2	-12.86	239	110	H
6	10.423	41.75	PK1	37.4	-24.3	0	54.85	-	-	-	-	68.2	-13.35	318	193	V

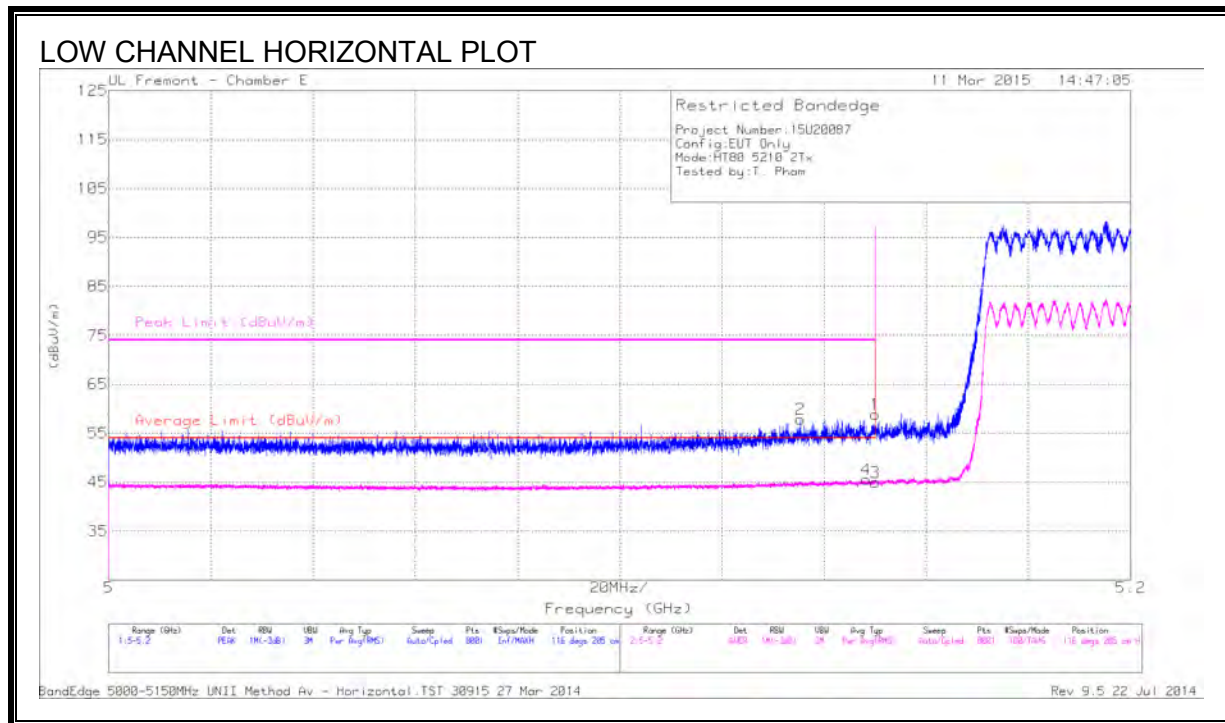
* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

9.7. 802.11ac VHT80 2TX CDD MODE IN THE 5.2 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL, CH 42)



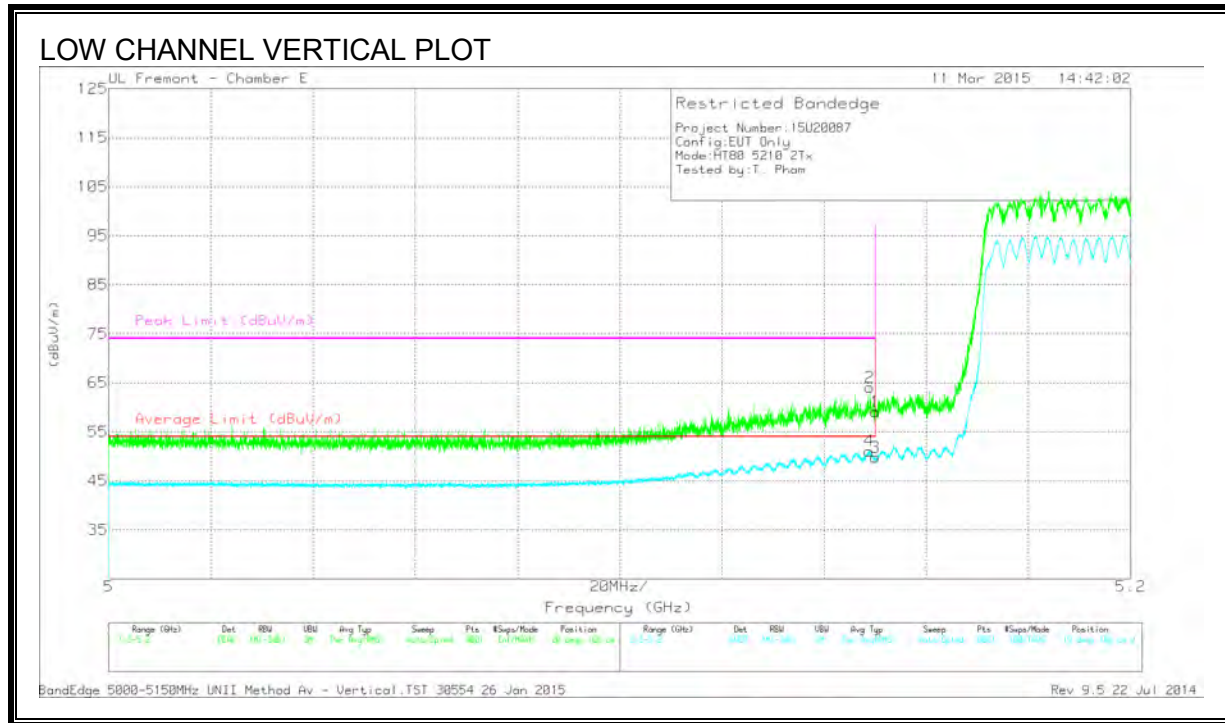
DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ Fitr/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	* 5.15	46.06	PK	34.3	-21.5	0	58.86	-	-	74	-15.14	116	205	H
2	* 5.135	45.2	PK	34.3	-21.6	0	57.9	-	-	74	-16.1	116	205	H
3	* 5.15	32.11	RMS	34.3	-21.5	.22	45.13	54	-8.87	-	-	116	205	H
4	* 5.148	32.73	RMS	34.3	-21.5	.22	45.75	54	-8.25	-	-	116	205	H

* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK - Peak detector

RMS - RMS detection

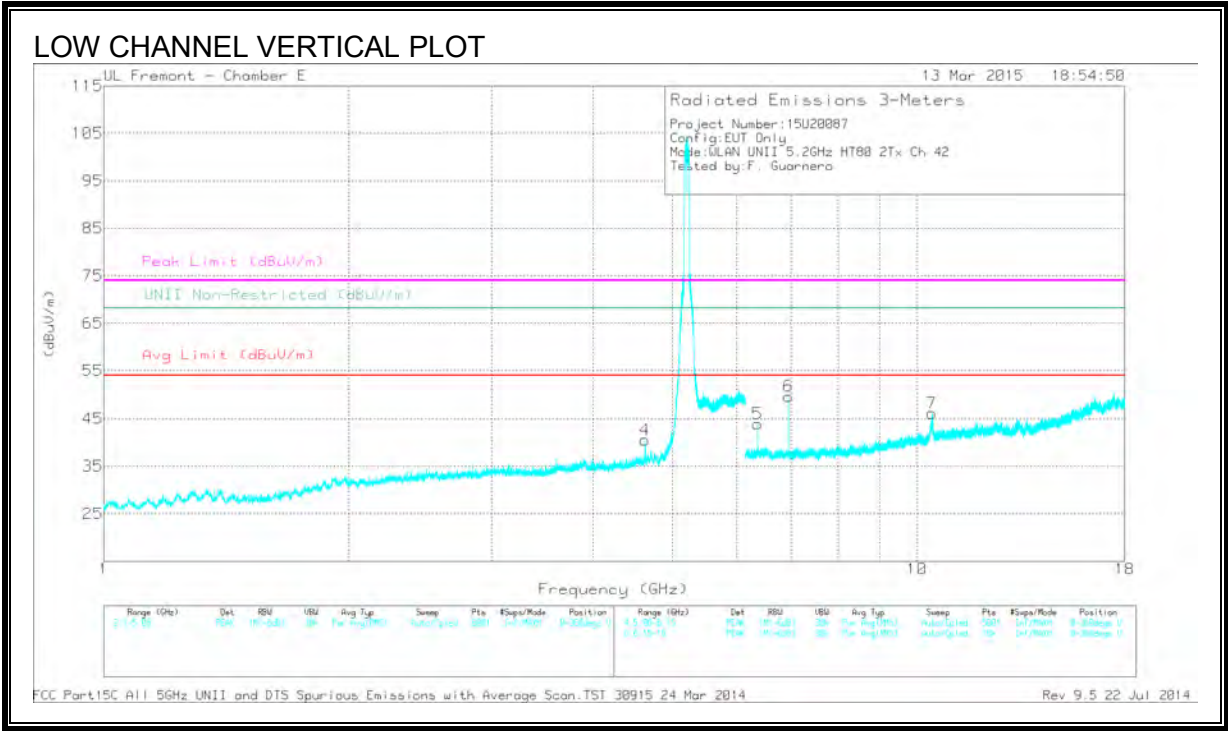
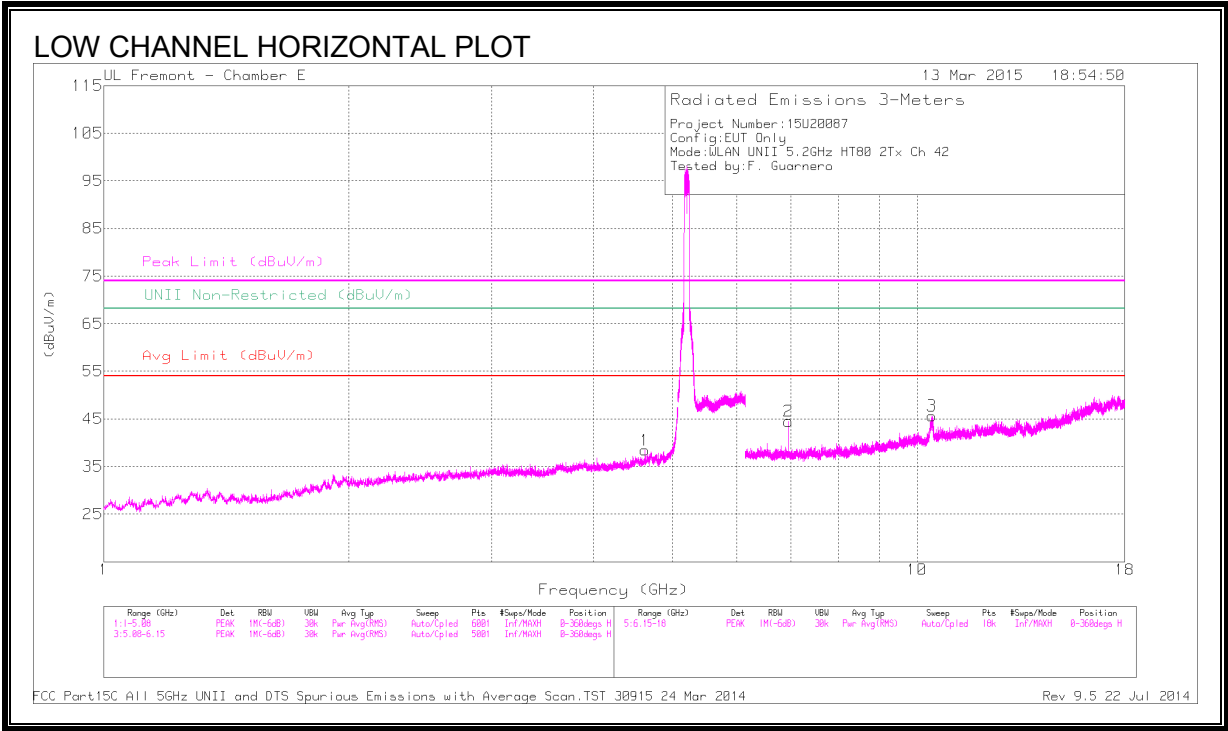


DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ Filt/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	* 5.15	46.33	PK	34.3	-21.5	0	59.13	-	-	74	-14.87	20	166	V
2	* 5.149	51.3	PK	34.3	-21.5	0	64.1	-	-	74	-9.9	20	166	V
3	* 5.15	36.95	RMS	34.3	-21.5	.22	49.97	54	-4.03	-	-	19	166	V
4	* 5.149	38.3	RMS	34.3	-21.5	.22	51.32	54	-2.68	-	-	19	166	V

* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.
PK - Peak detector
RMS - RMS detection

LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.631	42.93	PK1	34.1	-30.2	0	46.83	-	-	74	-27.17	-	-	148	269	H
	* 4.631	34.42	AD1	34.1	-30.2	.22	38.53	54	-15.47	-	-	-	-	148	269	H
4	* 4.632	42.84	PK1	34.1	-30.2	0	46.74	-	-	74	-27.26	-	-	279	369	V
	* 4.631	35.27	AD1	34.1	-30.2	.22	39.38	54	-14.62	-	-	-	-	279	369	V
5	6.368	43.25	PK1	35.5	-28.7	0	50.05	-	-	-	-	68.2	-18.15	236	279	V
2	6.947	42.51	PK1	35.6	-28.4	0	49.71	-	-	-	-	68.2	-18.49	230	212	H
6	6.947	46.69	PK1	35.6	-28.4	0	53.89	-	-	-	-	68.2	-14.31	247	138	V
3	10.426	43.22	PK1	37.4	-24.3	0	56.32	-	-	-	-	68.2	-11.88	246	109	H
7	10.43	41.38	PK1	37.4	-24.4	0	54.38	-	-	-	-	68.2	-13.82	310	194	V

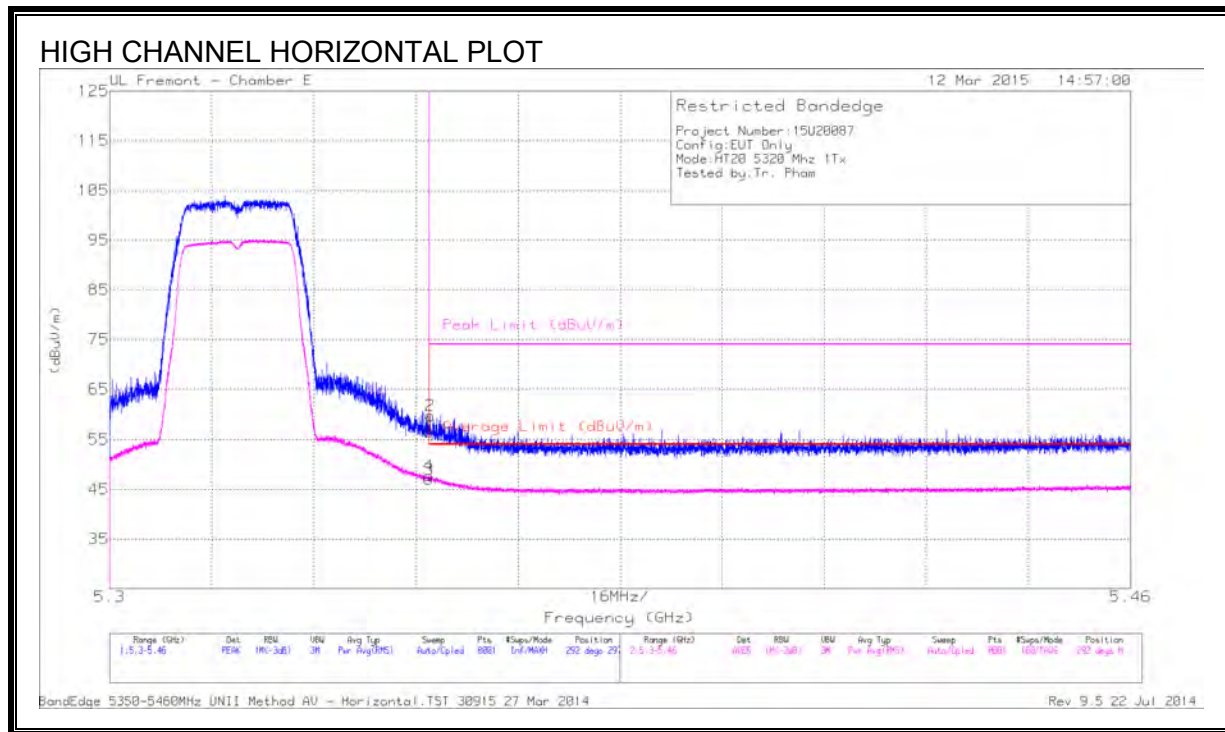
* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

9.8. 802.11n HT20 SISO MODE IN THE 5.3 GHz BAND

RESTRICTED BANDEGE (HIGH CHANNEL)



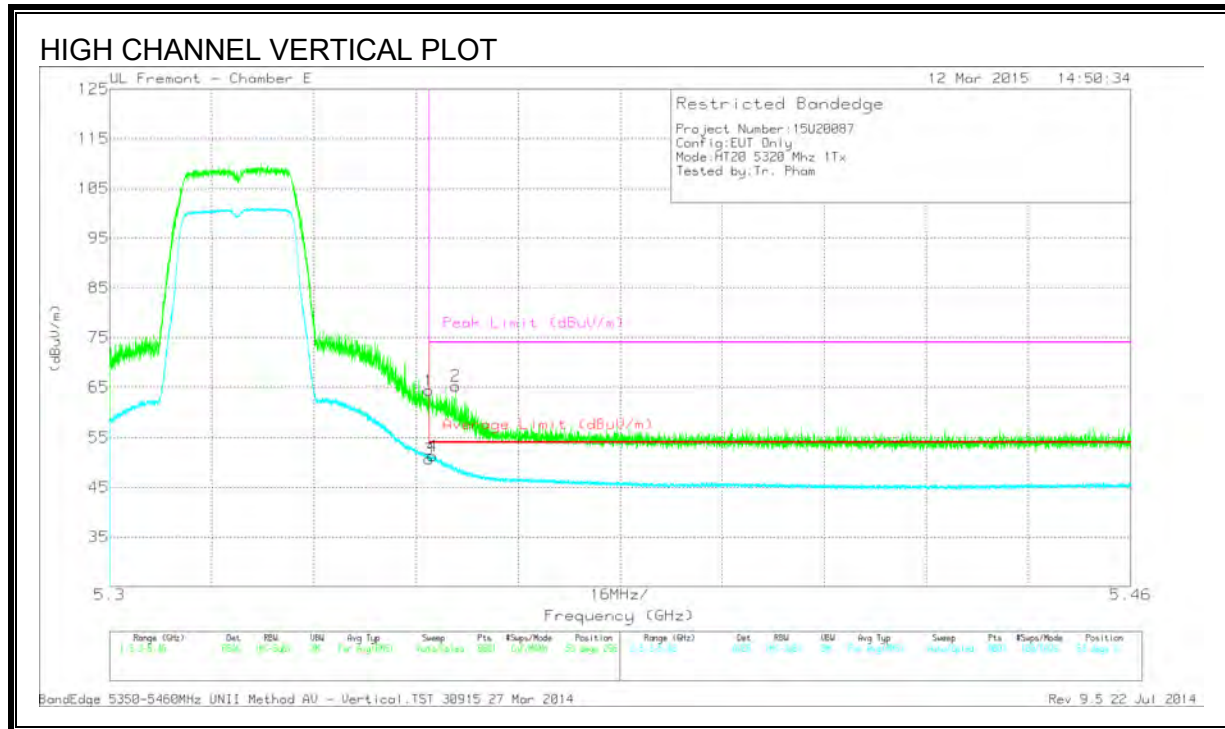
DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	43.54	PK	34.5	-21.4	56.64	-	-	74	-17.36	292	297	H
2	* 5.35	46.71	PK	34.5	-21.4	59.81	-	-	74	-14.19	292	297	H
3	* 5.35	33.91	RMS	34.5	-21.4	47.01	54	-6.99	-	-	292	297	H
4	* 5.35	34.63	RMS	34.5	-21.4	47.73	54	-6.27	-	-	292	297	H

* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK - Peak detector

RMS - RMS detection



DATA

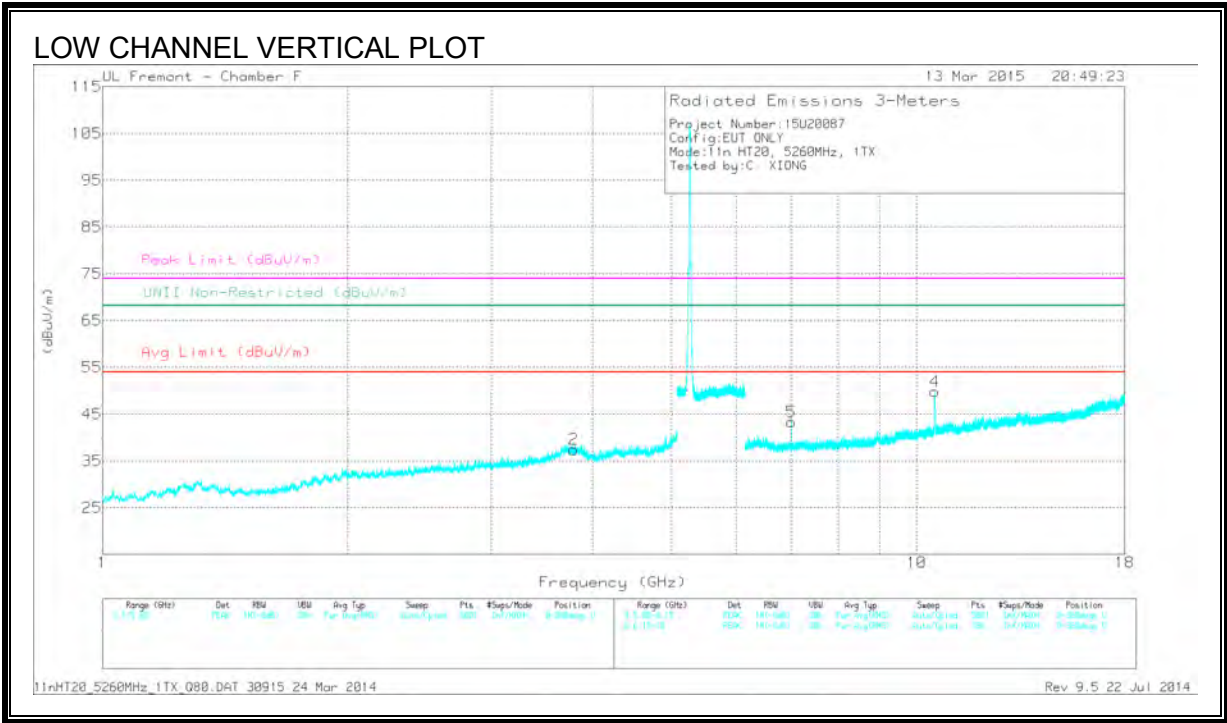
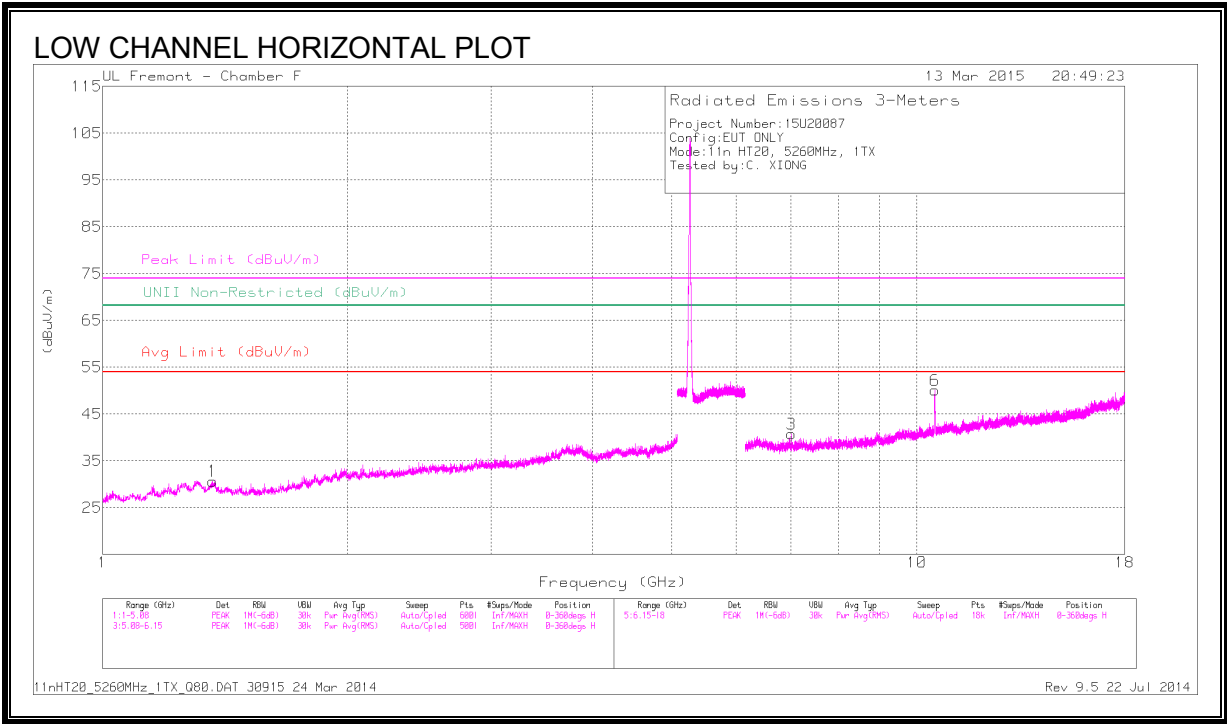
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	51.28	PK	34.5	-21.4	64.38	-	-	74	-9.62	53	296	V
2	* 5.354	52.17	PK	34.5	-21.4	65.27	-	-	74	-8.73	53	296	V
3	* 5.35	37.59	RMS	34.5	-21.4	50.69	54	-3.31	-	-	53	296	V
4	* 5.351	38.18	RMS	34.5	-21.4	51.28	54	-2.72	-	-	53	296	V

* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK - Peak detector

RMS - RMS detection

LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

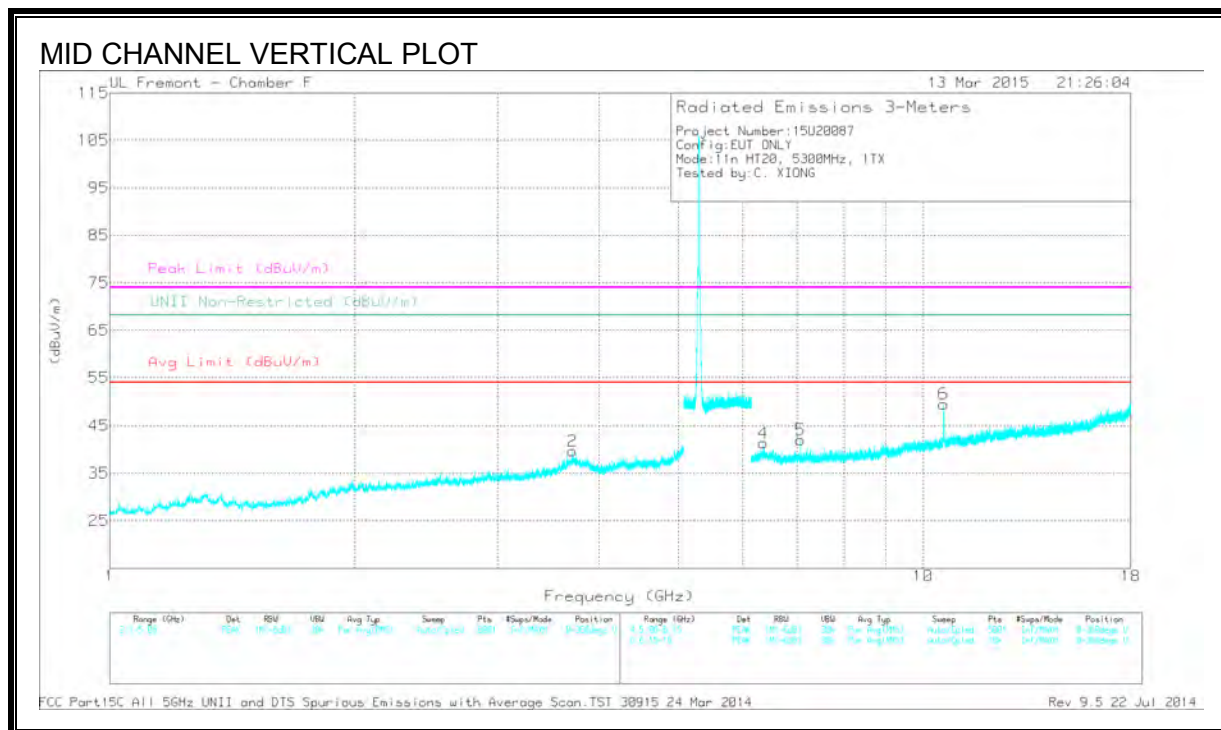
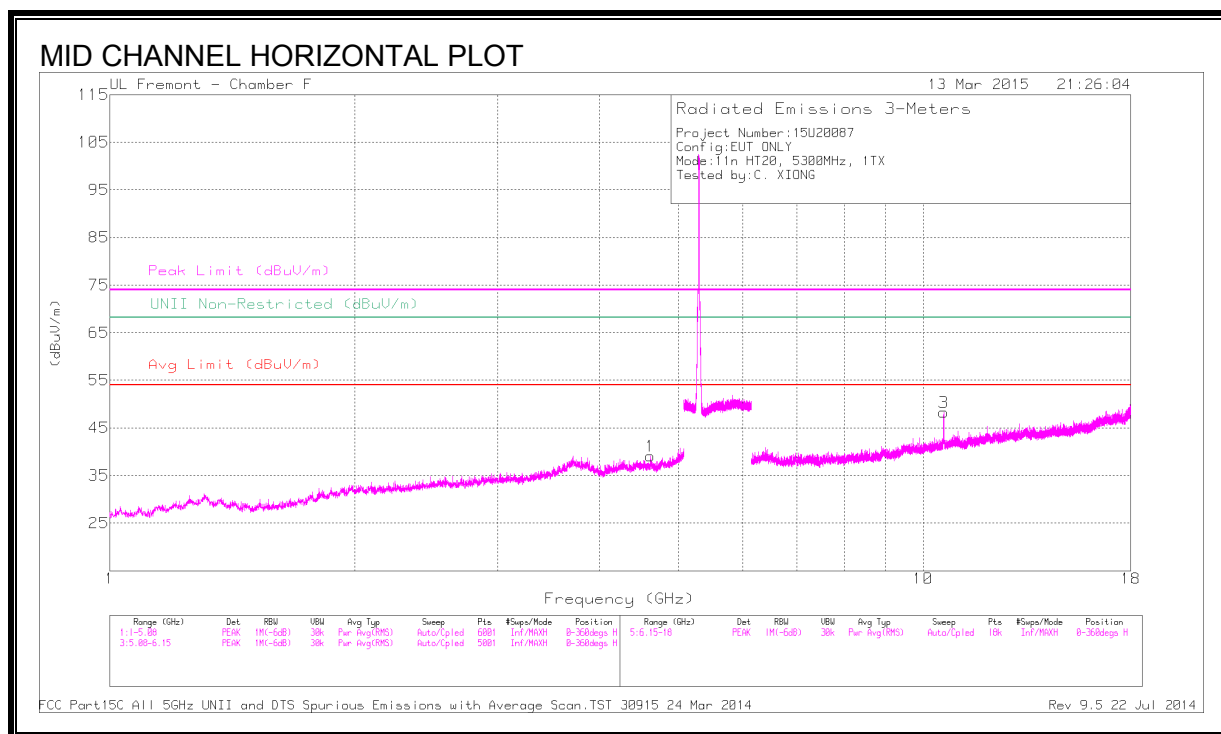
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/FI tri/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.365	40.76	PK1	29.5	-31.6	38.66	-	-	74	-35.34	-	-	50	175	H
	* 1.364	29.52	AD1	29.5	-31.6	27.42	54	-26.58	-	-	-	-	50	175	H
2	* 3.789	38.57	PK1	34.4	-29.3	43.67	-	-	74	-30.33	-	-	80	147	V
	* 3.788	27.38	AD1	34.4	-29.3	32.48	54	-21.52	-	-	-	-	80	147	V
3	7.014	37.74	PK1	35.5	-25.7	47.54	-	-	-	-	68.2	-20.66	293	208	H
6	10.525	45.15	PK1	37.7	-22	60.85	-	-	-	-	68.2	-7.35	307	119	H
5	7.013	40.08	PK1	35.5	-25.7	49.88	-	-	-	-	68.2	-18.32	303	127	V
4	10.515	44.85	PK1	37.7	-22	60.55	-	-	-	-	68.2	-7.65	17	187	V

* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

MID CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

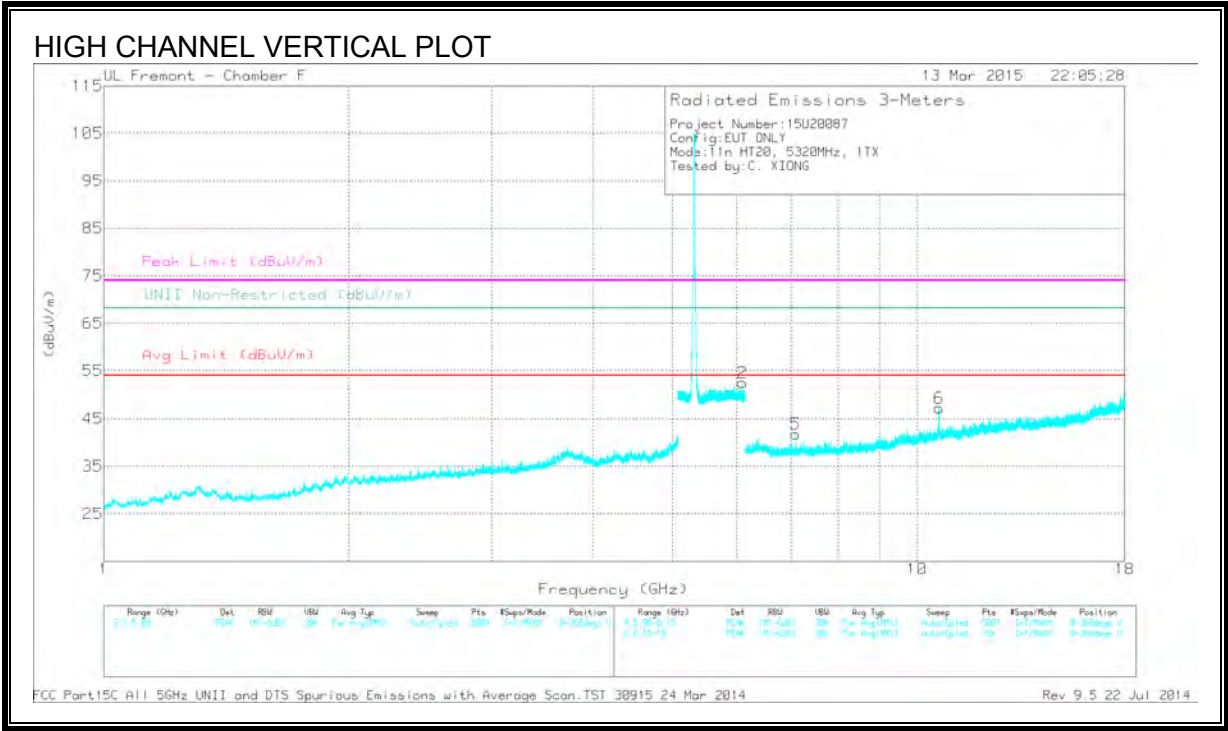
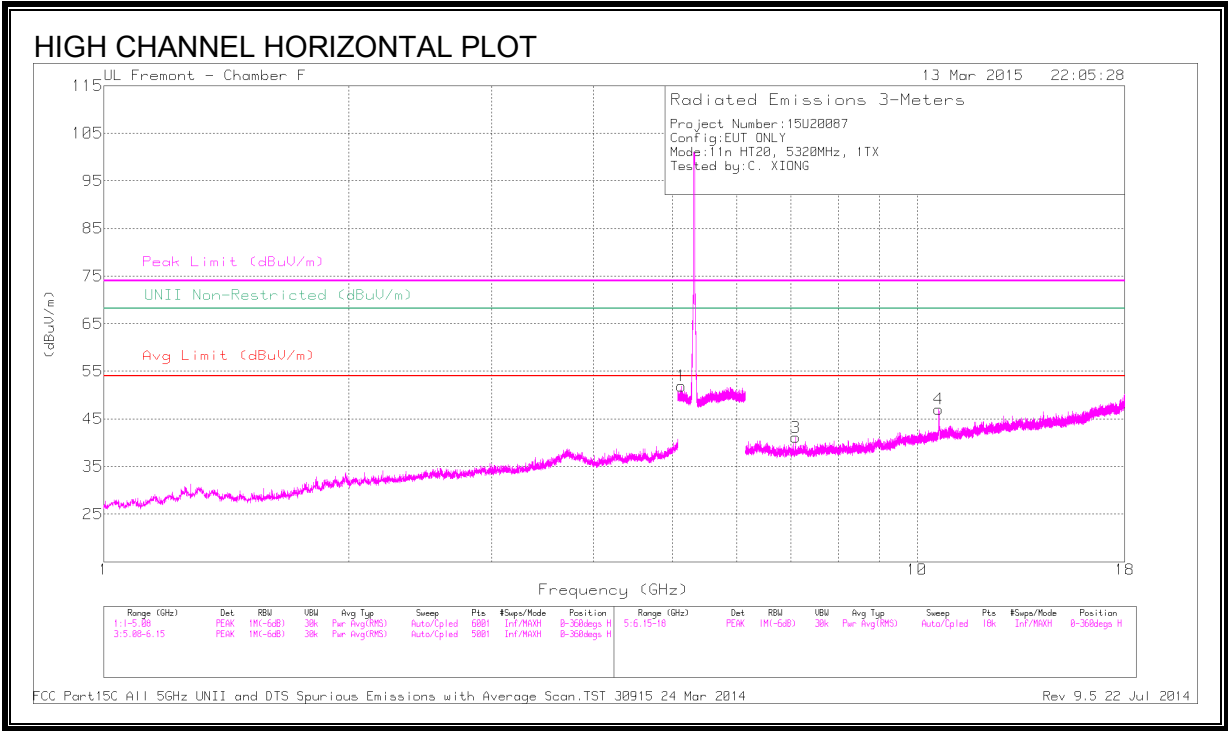
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.621	37.22	PK1	34.1	-26.7	44.62	-	-	74	-29.38	-	-	29	344	H
	* 4.619	26.04	AD1	34.1	-26.7	33.44	54	-20.56	-	-	-	-	29	344	H
2	* 3.707	38.49	PK1	34.8	-28.8	44.49	-	-	74	-29.51	-	-	39	315	V
	* 3.706	27.41	AD1	34.8	-28.8	33.41	54	-20.59	-	-	-	-	39	315	V
3	* 10.6	44.11	PK1	37.9	-21.6	60.41	-	-	74	-13.59	-	-	310	113	H
	* 10.6	30.62	AD1	37.9	-21.6	46.92	54	-7.08	-	-	-	-	310	113	H
4	6.36	39.25	PK1	35.6	-26.2	48.65	-	-	-	-	68.2	-19.55	294	124	V
5	7.067	39.71	PK1	35.5	-26.2	49.01	-	-	-	-	68.2	-19.19	292	126	V
6	10.598	43.26	PK1	37.8	-21.7	59.36	-	-	-	-	68.2	-8.84	16	178	V

* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

HIGH CHANNEL HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.13	41.81	PK1	34.4	-18.7	57.51	-	-	74	-16.49	-	-	225	173	H
	* 5.131	30.64	AD1	34.4	-18.7	46.34	54	-7.66	-	-	-	-	225	173	H
2	6.101	40.99	PK1	35.4	-17.9	58.49	-	-	-	-	68.2	-9.71	240	148	V
3	7.094	39.75	PK1	35.5	-26.2	49.05	-	-	-	-	68.2	-19.15	299	179	H
4	* 10.634	41.66	PK1	37.9	-21.7	57.86	-	-	74	-16.14	-	-	310	111	H
	* 10.637	28.79	AD1	37.9	-21.8	44.89	54	-9.11	-	-	-	-	310	111	H
5	7.093	39.6	PK1	35.5	-26.2	48.9	-	-	-	-	68.2	-19.3	319	134	V
6	* 10.643	41.79	PK1	37.9	-21.9	57.79	-	-	74	-16.21	-	-	5	196	V
	* 10.64	28.51	AD1	37.9	-21.8	44.61	54	-9.39	-	-	-	-	5	196	V

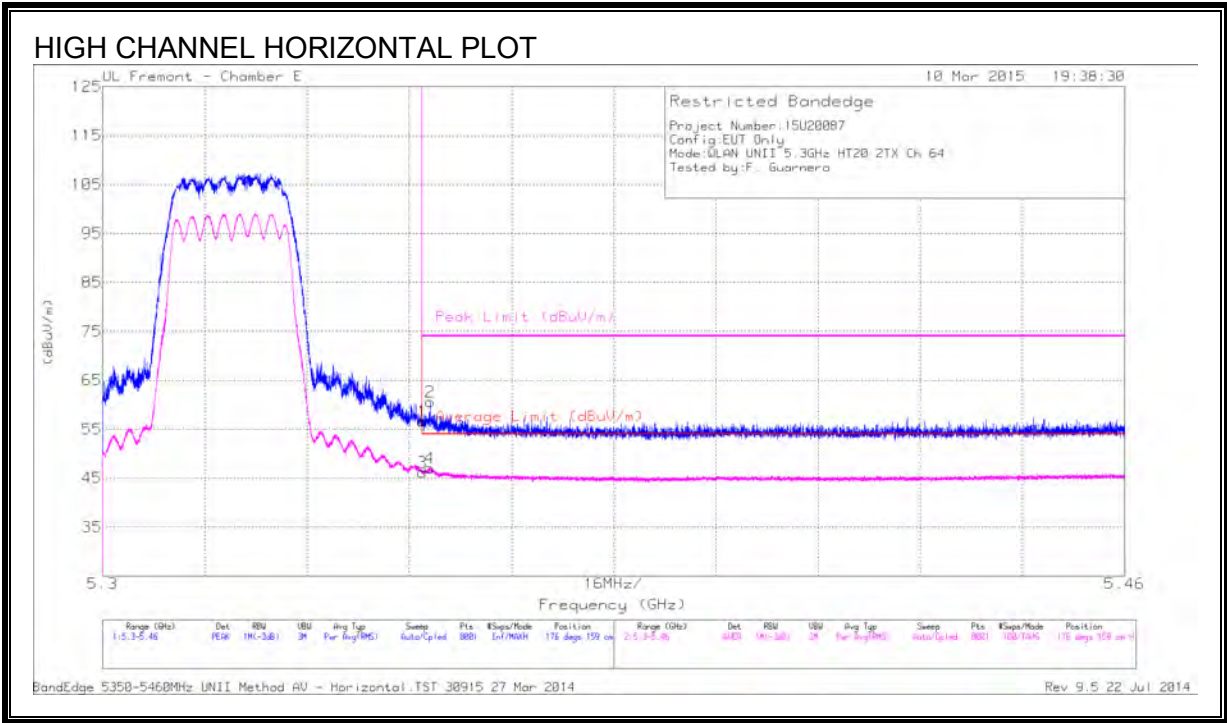
* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

9.9. 802.11n HT20 2Tx CDD MODE IN THE 5.3 GHz BAND

RESTRICTED BANDEDGE (HIGH CHANNEL)



DATA

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	43.57	PK	34.5	-21.4	56.67	-	-	74	-17.33	176	159	H
2	* 5.351	47.46	PK	34.5	-21.4	60.56	-	-	74	-13.44	176	159	H
3	* 5.35	33.09	RMS	34.5	-21.4	46.19	54	-7.81	-	-	176	159	H
4	* 5.351	33.95	RMS	34.5	-21.4	47.05	54	-6.95	-	-	176	159	H

* - indicates frequency in CFR 47, Part 15 and Industry Canada RSS-Restricted Band.
PK - Peak detector
RMS - RMS detection