8.50. 802.11n HT40 ANTENNA B MODE IN THE 5.8 GHz BAND

8.50.1. 6 dB BANDWIDTH

LIMITS

FCC §15.407 (e)

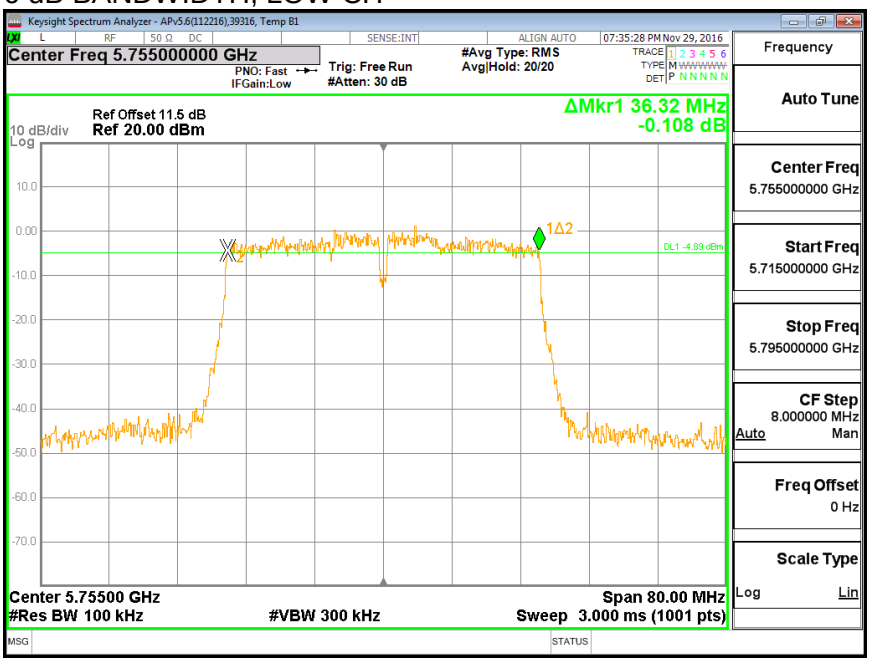
The minimum 6 dB bandwidth shall be at least 500 kHz.

RESULTS

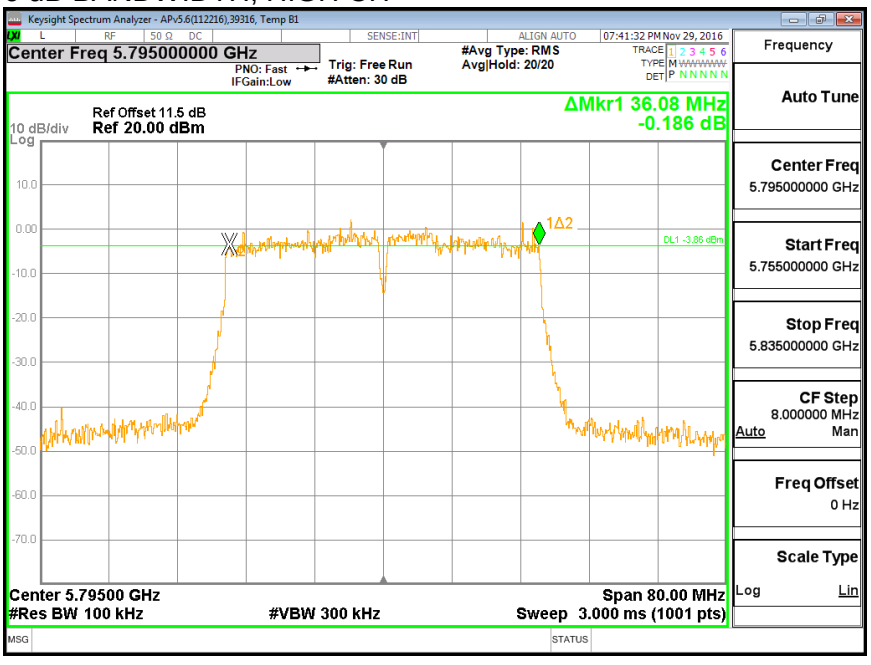
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5755	36.320	0.5
High	5795	36.080	0.5

6 dB BANDWIDTH

6 dB BANDWIDTH, LOW CH



6 dB BANDWIDTH, HIGH CH



8.50.2. 26 dB BANDWIDTH

LIMITS

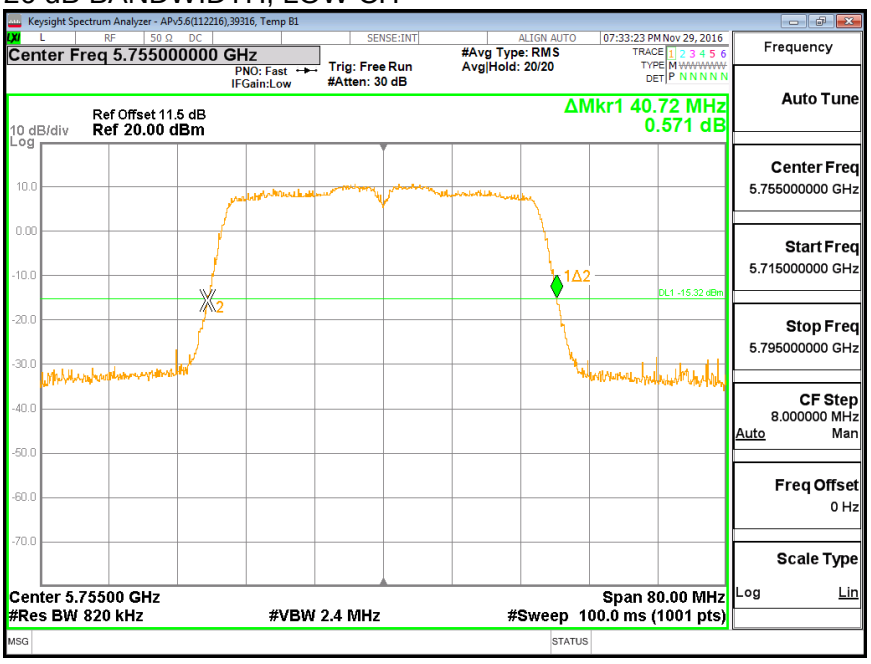
None, for reporting purposes only.

RESULTS

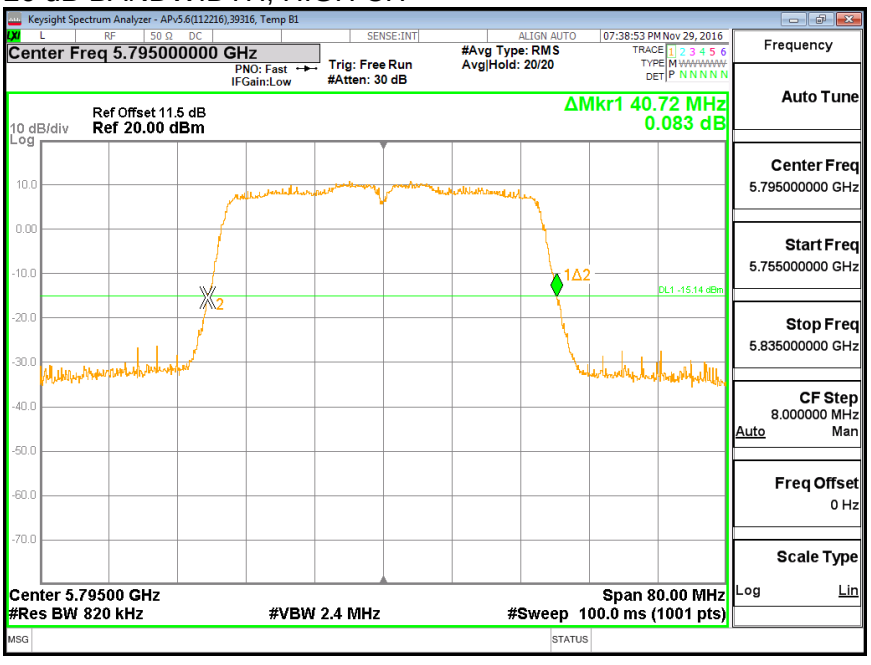
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Low	5755	40.720
High	5795	40.720

26 dB BANDWIDTH

26 dB BANDWIDTH, LOW CH



26 dB BANDWIDTH, HIGH CH



8.50.3. 99% BANDWIDTH

LIMITS

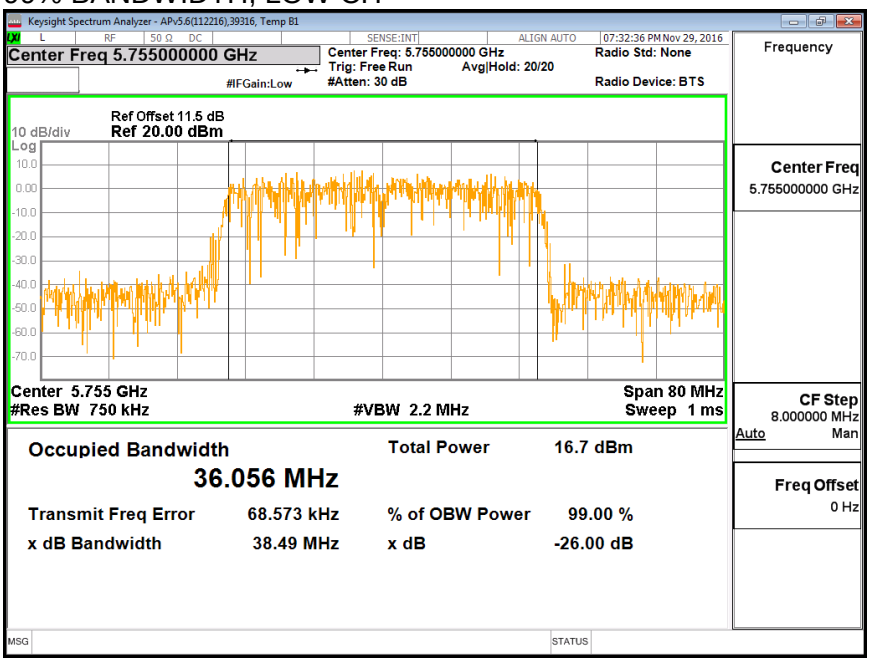
None; for reporting purposes only.

RESULTS

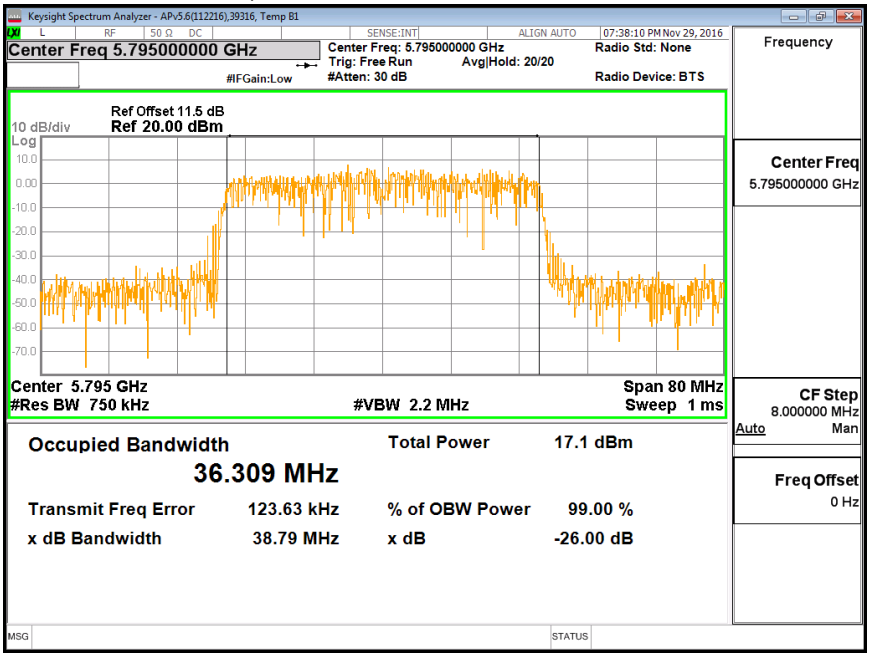
Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5755	36.056
High	5795	36.309

99% BANDWIDTH

99% BANDWIDTH, LOW CH



99% BANDWIDTH, HIGH CH



8.50.4. AVERAGE POWER

LIMITS

None; for reporting purposes only.

TEST PROCEDURE

Measurements perform using a wideband gated RF power meter.

RESULTS

ID:	50822	Date:	2/8/17

Channel	Frequency (MHz)	Power (dBm)
Low	5755	15.49
High	5795	15.47

8.50.5. 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

Measurements perform using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

DIRECTIONAL ANTENNA GAIN

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

RESULTS

ID:	50822	Date:	2/9/17

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)
Low	5755	4.32	30.00
High	5795	4.32	30.00

Output Power Results

Channel	Frequency (MHz)	Ant B Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	15.49	15.49	30.00	-14.51
High	5795	15.47	15.47	30.00	-14.53

8.50.6. 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	4.32	30.00
High	5795	4.32	30.00

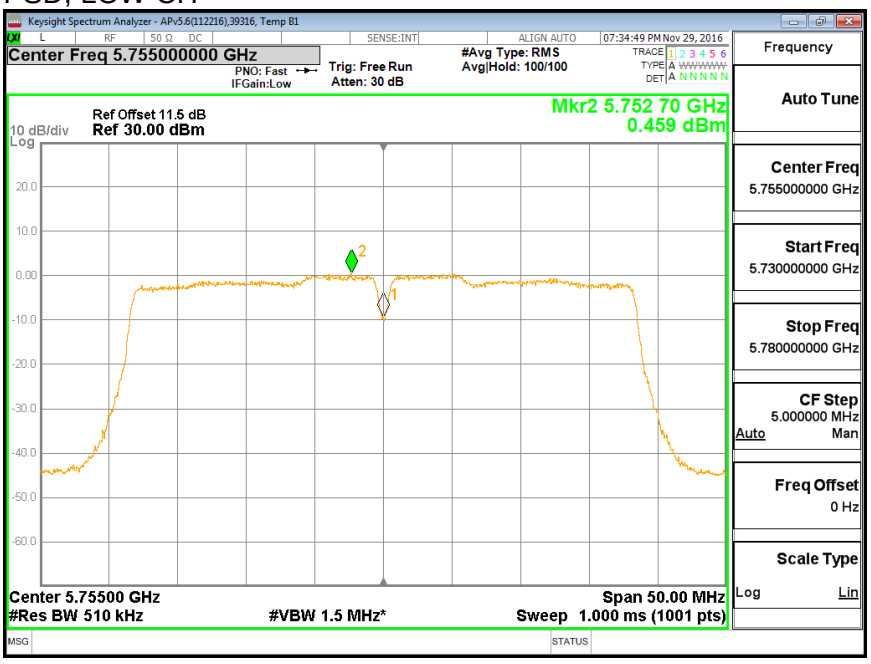
Duty Cycle CF (dB)	0.10	Included in Calculations of Corr'd PSD

PSD Results

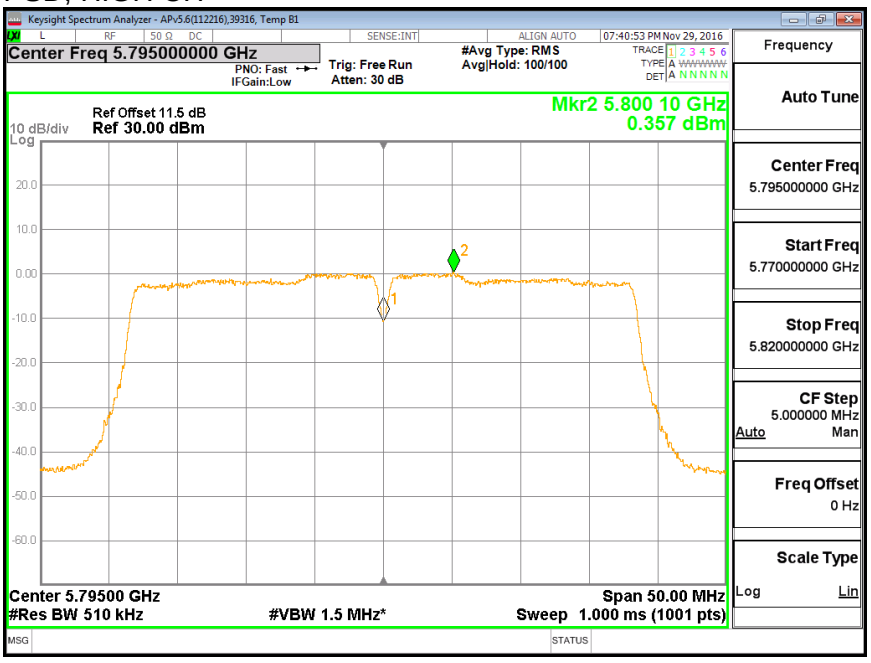
Channel	Frequency (MHz)	Ant B Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Low	5755	0.46	0.56	30.00	-29.44
High	5795	0.36	0.46	30.00	-29.54

PSD

PSD, LOW CH



PSD, HIGH CH



8.51. 802.11n HT40 2Tx (ANTENNA A + ANTENNA B) CDD MODE IN THE 5.8 GHz BAND

8.51.1. 6 dB BANDWIDTH

LIMITS

FCC §15.407 (e)

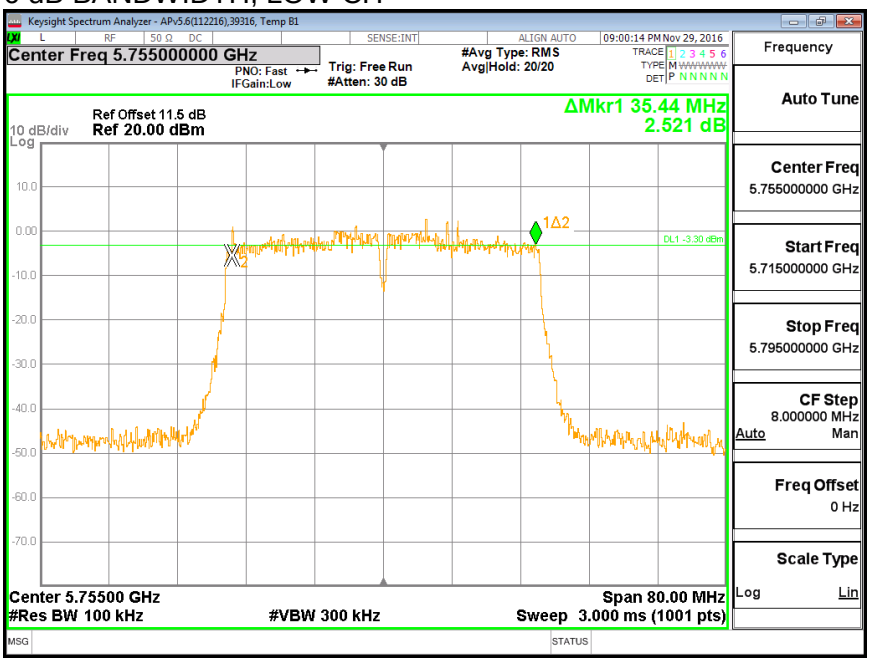
The minimum 6 dB bandwidth shall be at least 500 kHz.

RESULTS

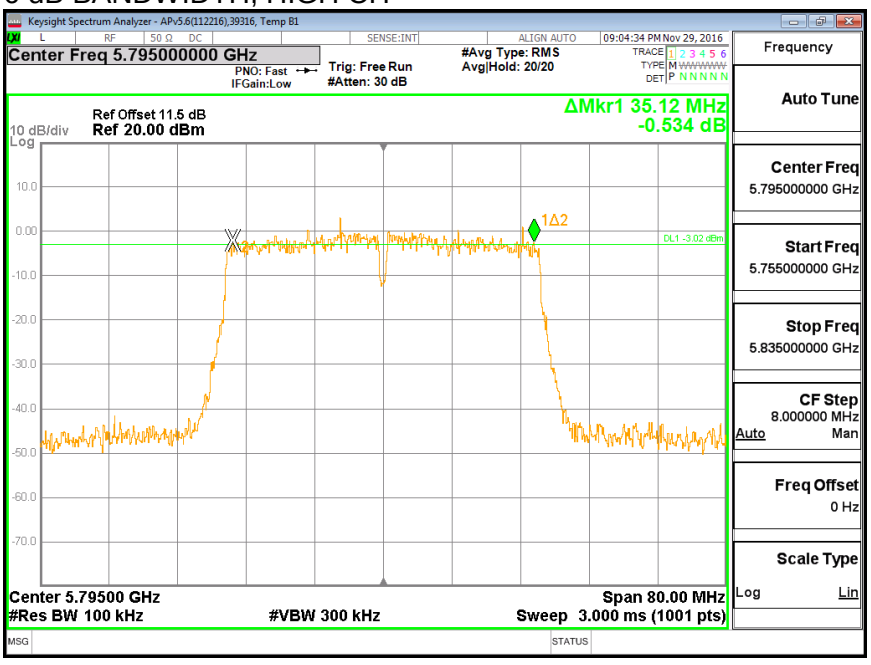
Channel	Frequency (MHz)	6 dB BW Ant A (MHz)	6 dB BW Ant B (MHz)	Minimum Limit (MHz)
Low	5755	35.440	33.760	0.5
High	5795	35.120	36.320	0.5

6 dB BANDWIDTH, ANTENNA A

6 dB BANDWIDTH, LOW CH

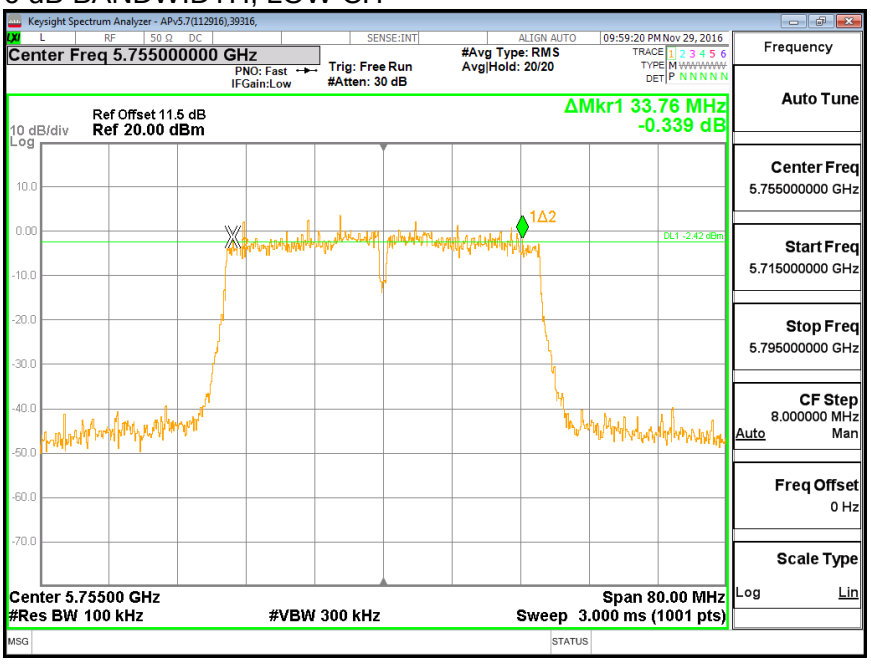


6 dB BANDWIDTH, HIGH CH

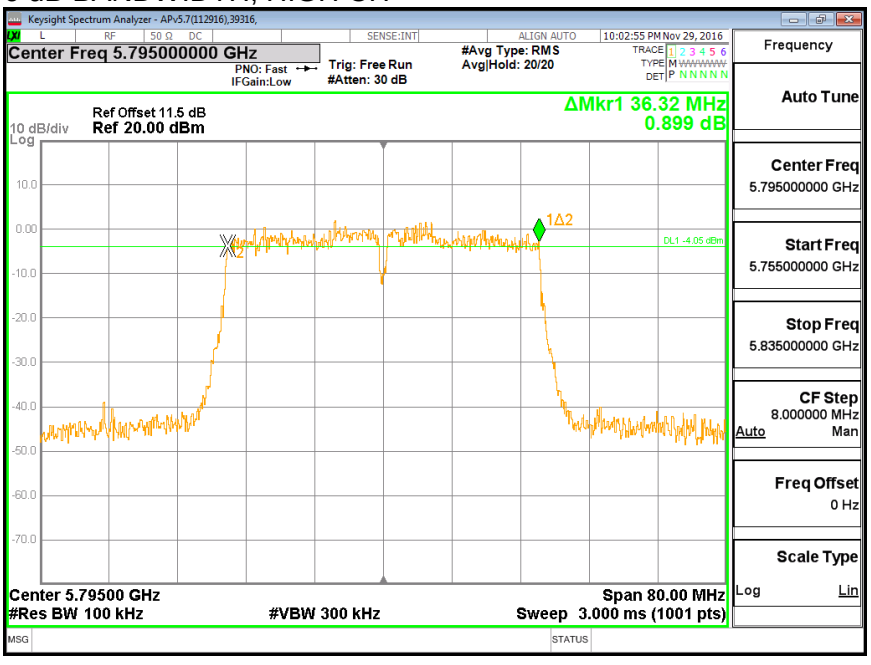


6 dB BANDWIDTH, ANTENNA B

6 dB BANDWIDTH, LOW CH



6 dB BANDWIDTH, HIGH CH



8.51.2. 26 dB BANDWIDTH

LIMITS

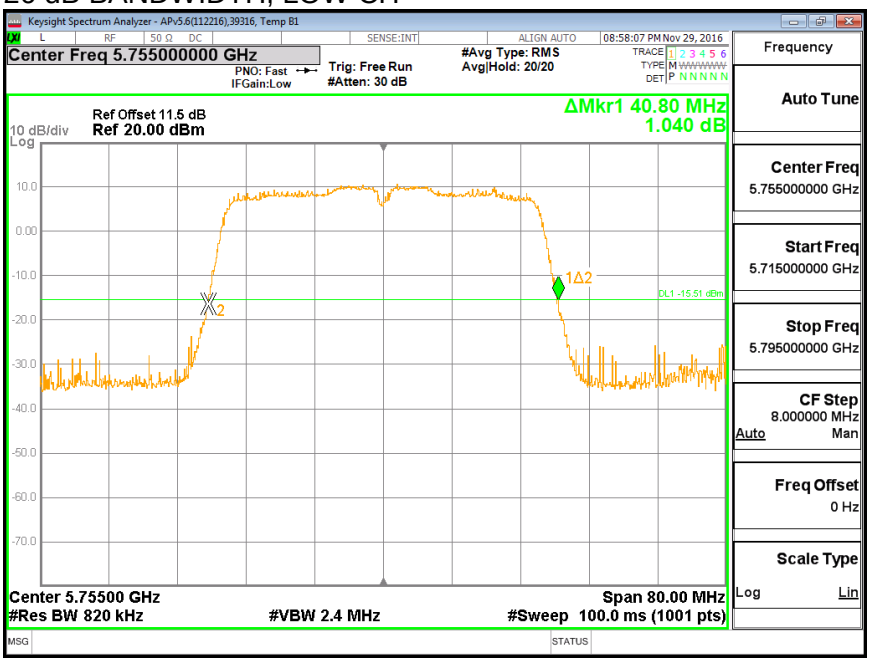
None, for reporting purposes only.

RESULTS

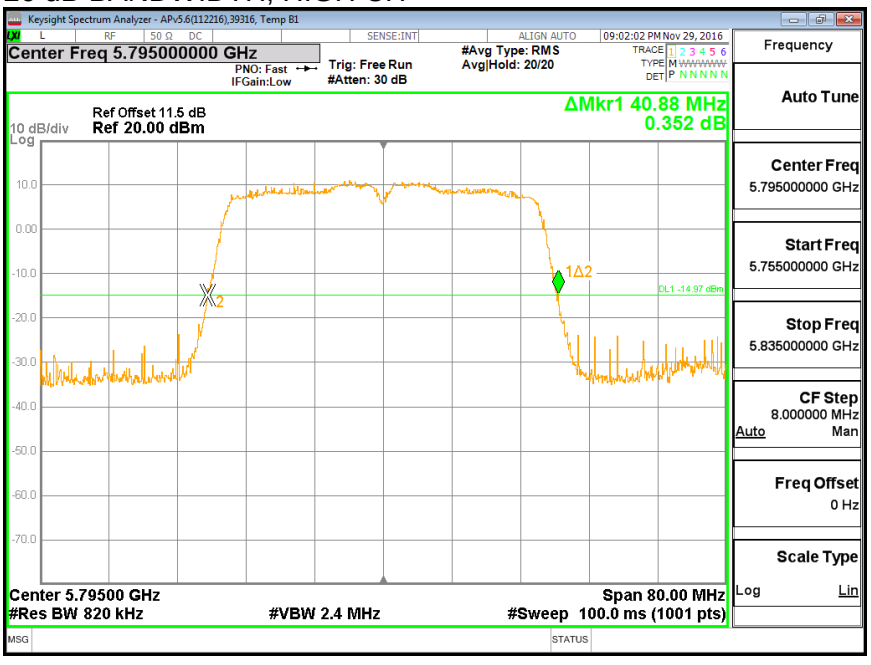
Channel	Frequency (MHz)	26 dB BW Ant A (MHz)	26 dB BW Ant B (MHz)
Low	5755	40.800	40.160
High	5795	40.880	40.240

26 dB BANDWIDTH, ANTENNA A

26 dB BANDWIDTH, LOW CH

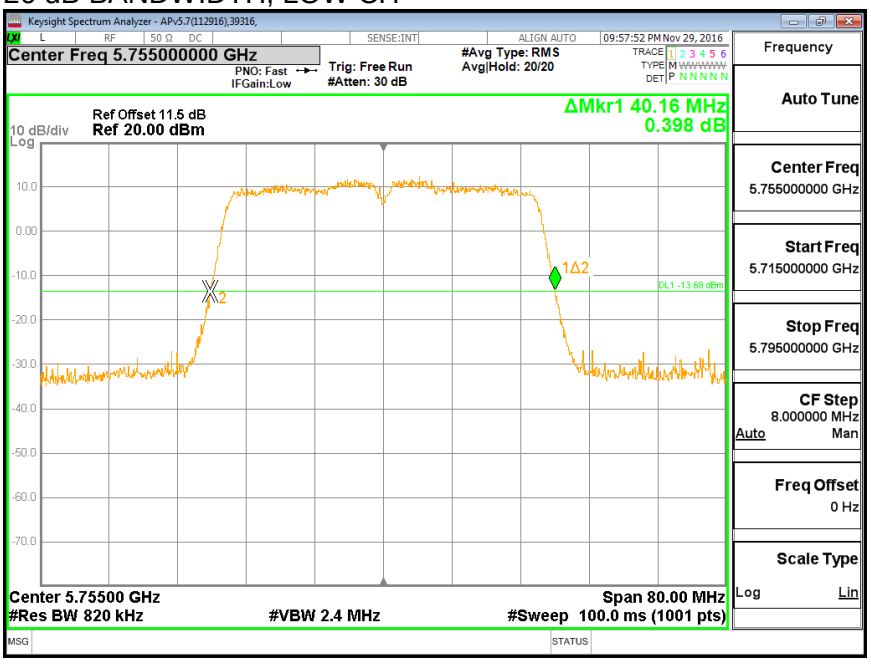


26 dB BANDWIDTH, HIGH CH

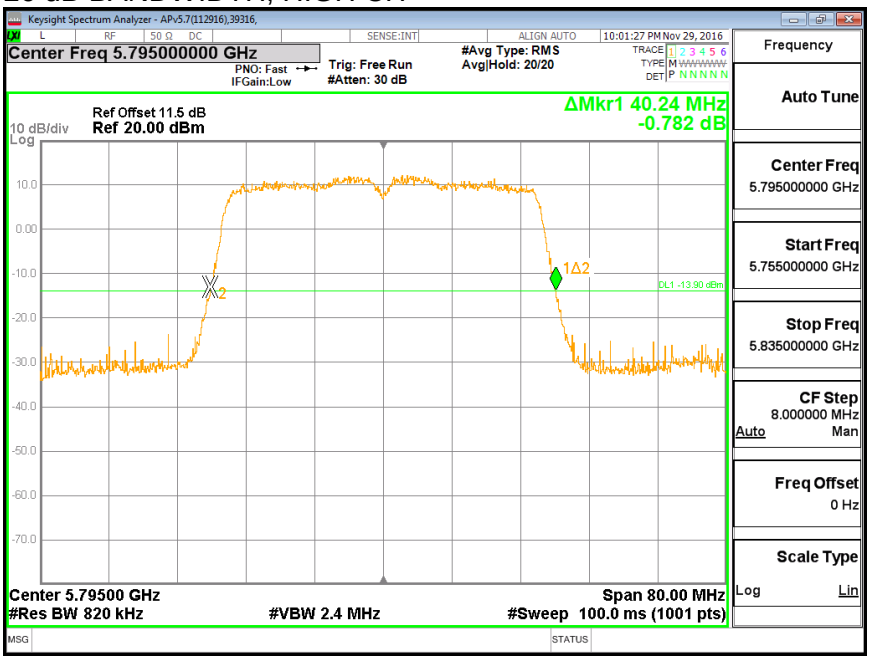


26 dB BANDWIDTH, ANTENNA B

26 dB BANDWIDTH, LOW CH



26 dB BANDWIDTH, HIGH CH



8.51.3. 99% BANDWIDTH

LIMITS

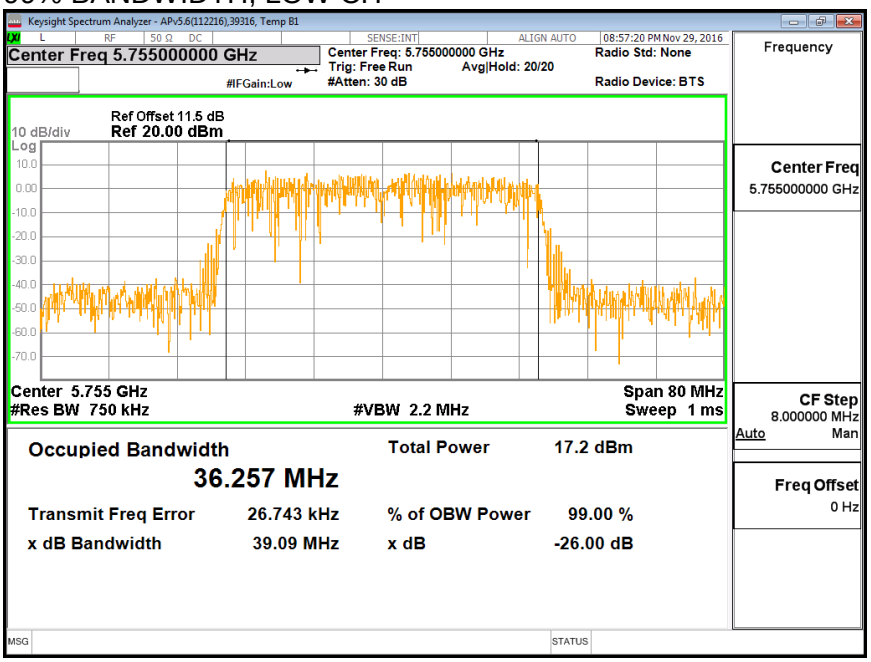
None; for reporting purposes only.

RESULTS

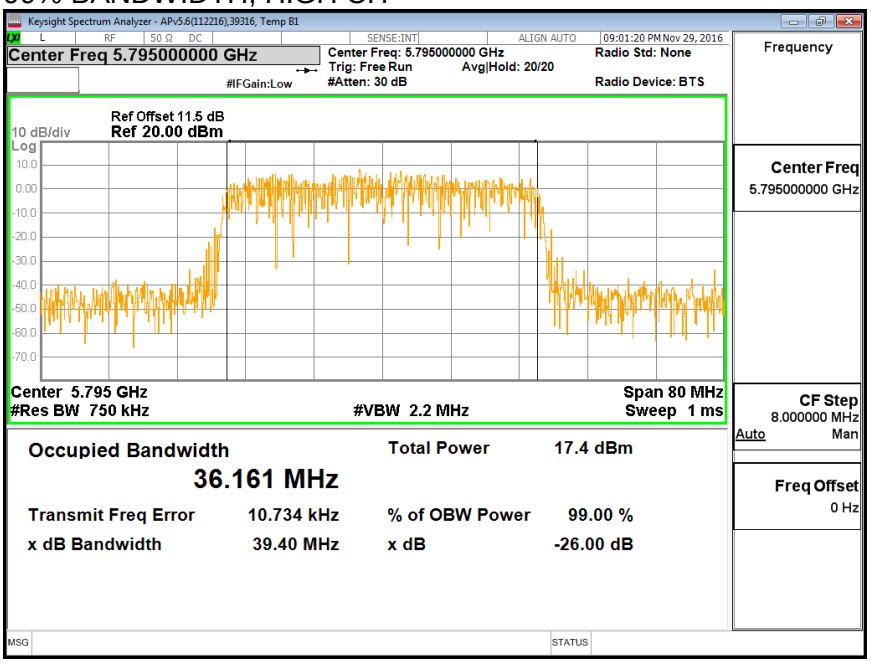
Channel	Frequency (MHz)	99% BW Ant A (MHz)	99% BW Ant B (MHz)
Low	5755	36.257	36.247
High	5795	36.161	36.091

99% BANDWIDTH, ANTENNA A

99% BANDWIDTH, LOW CH

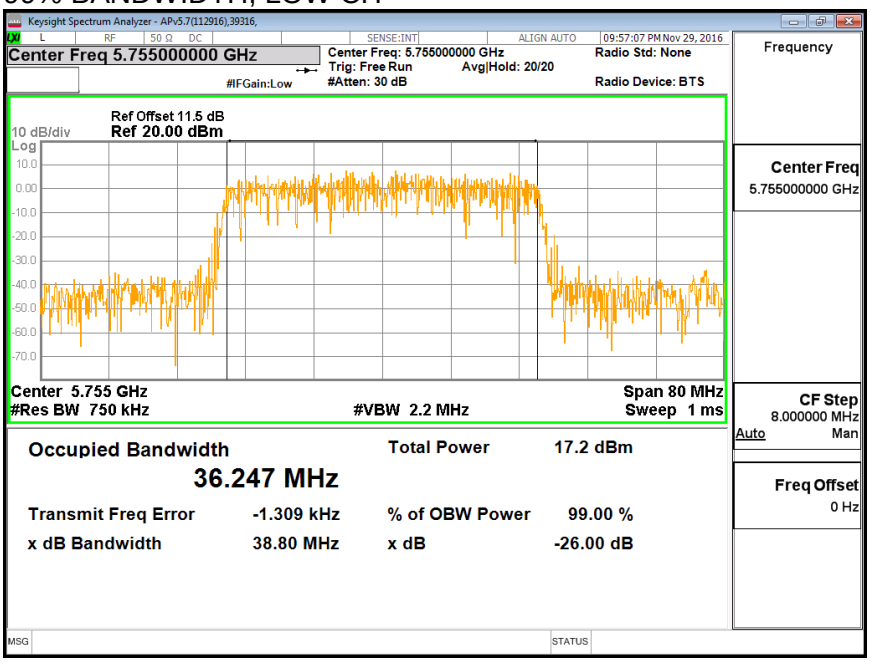


99% BANDWIDTH, HIGH CH

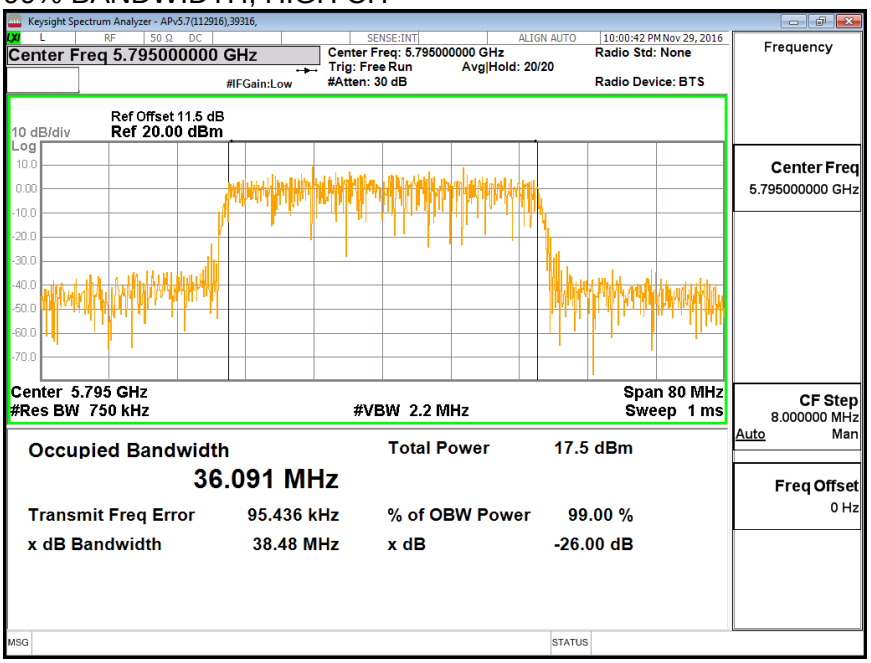


99% BANDWIDTH, ANTENNA B

99% BANDWIDTH, LOW CH



99% BANDWIDTH, HIGH CH



8.51.4. AVERAGE POWER

LIMITS

None; for reporting purposes only.

TEST PROCEDURE

Measurements perform using a wideband gated RF power meter.

RESULTS

ID:	50822	Date:	2/8/17

Channel	Frequency (MHz)	Ant A Power (dBm)	Ant B Power (dBm)	Total Power (dBm)
Low	5755	14.99	15.48	18.25
High	5795	14.97	15.46	18.23

8.51.5. 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

Measurements perform using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

DIRECTIONAL ANTENNA GAIN

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

Ant A Gain (dBi)	Ant B Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)
4.20	4.32	4.26

RESULTS

ID:	50822	Date:	2/9/17

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)
Low	5755	4.26	30.00
High	5795	4.26	30.00

Output Power Results

Channel	Frequency (MHz)	Ant A Meas Power (dBm)	Ant B Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	14.99	15.48	18.25	30.00	-11.75
High	5795	14.97	15.46	18.23	30.00	-11.77

8.51.6. 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:

Ant A Gain (dBi)	Ant B Gain (dBi)	Correlated Chains Directional Gain (dBi)
4.20	4.32	7.27

RESULTS

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm)
Low	5755	7.27	28.73
High	5795	7.27	28.73

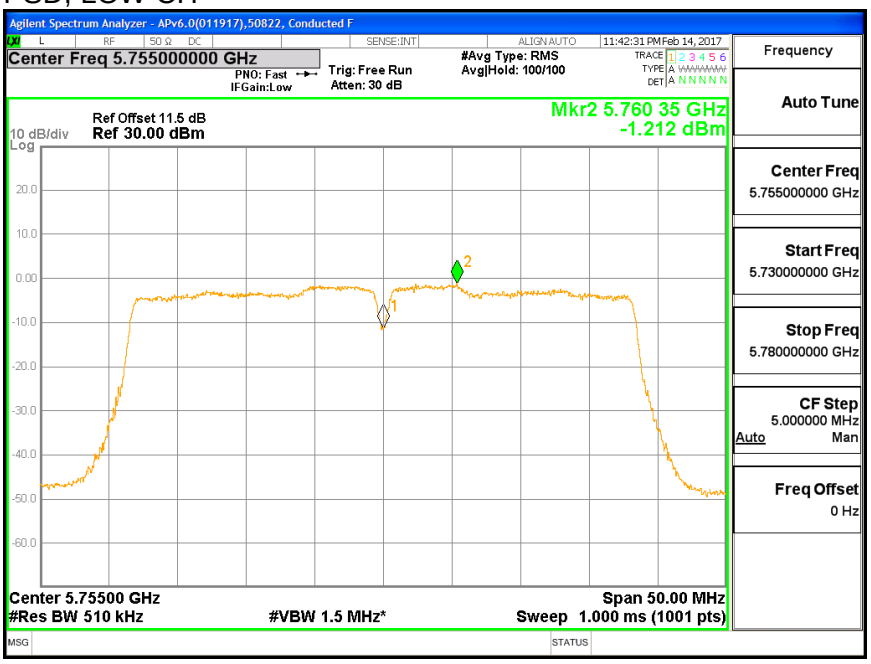
Duty Cycle CF (dB)	0.10	Included in Calculations of Corr'd PSD

PSD Results

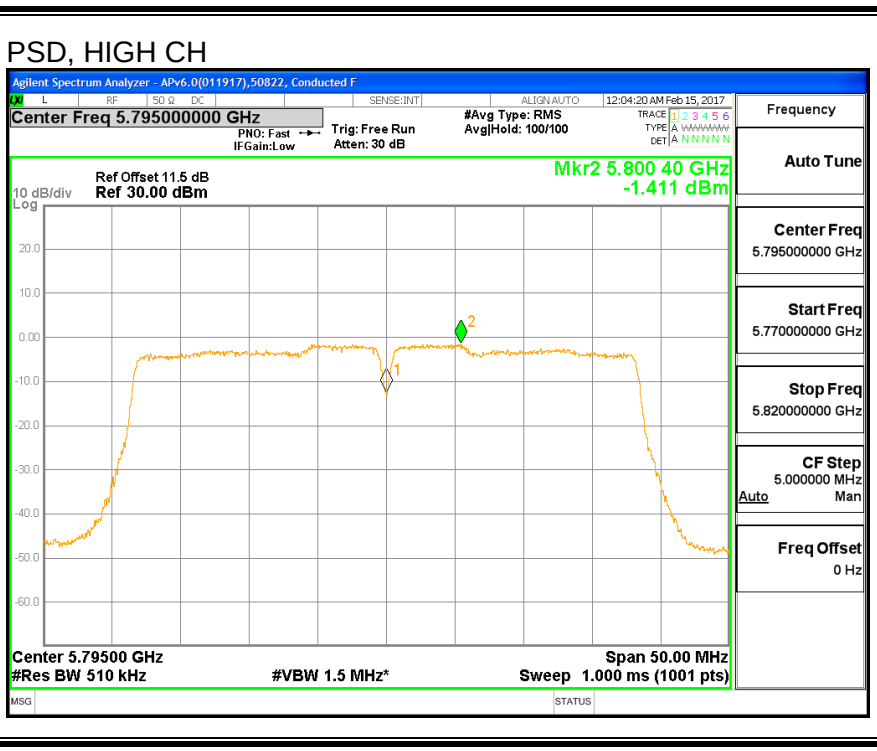
Channel	Frequency (MHz)	Ant A Meas PSD (dBm)	Ant B Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Low	5755	-1.21	-1.08	1.97	28.73	-26.76
High	5795	-1.41	-0.98	1.92	28.73	-26.81

PSD, ANTENNA A

PSD, LOW CH

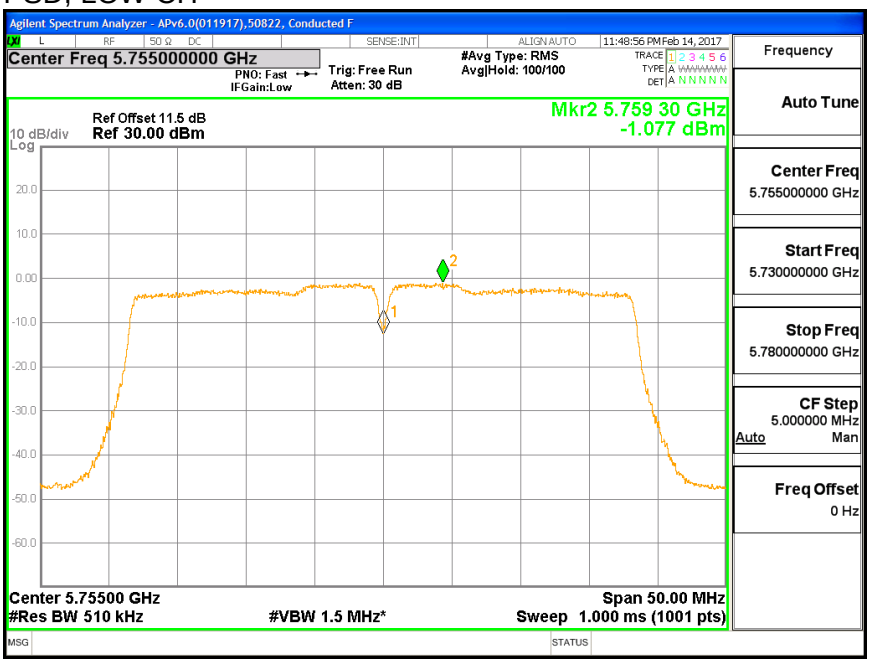


PSD, HIGH CH

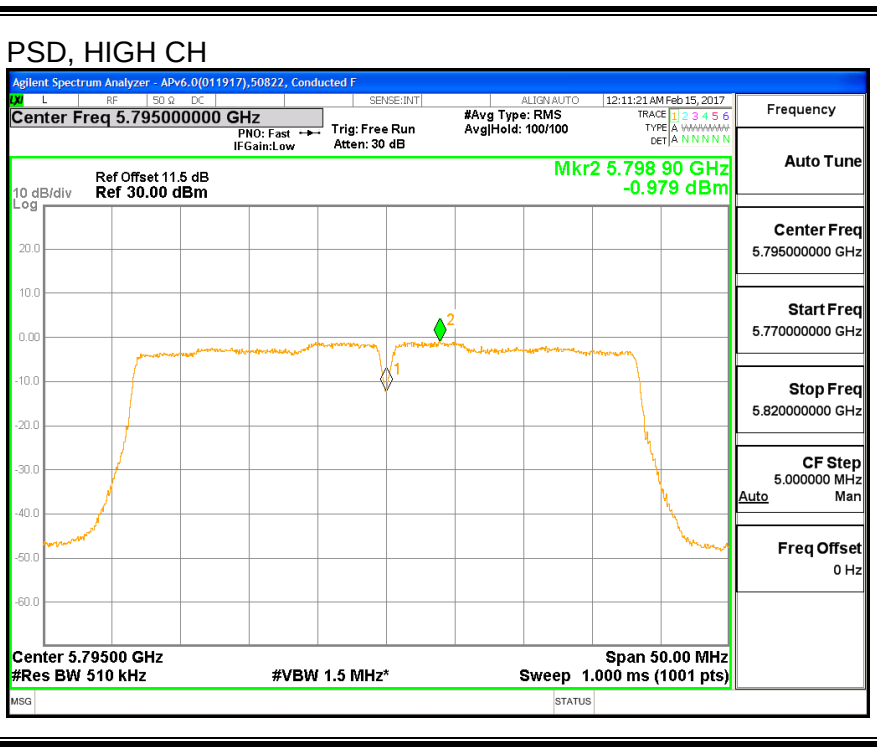


PSD, ANTENNA B

PSD, LOW CH



PSD, HIGH CH



8.52. 802.11n HT40 2Tx (ANTENNA A + ANTENNA B) STBC MODE IN THE 5.8 GHz BAND

Noted: Covered by 802.11n HT40 2Tx (ANTENNA A + ANTENNA B) CDD MODE IN THE 5.8 GHz BAND

8.53. 802.11ac VHT80 ANTENNA A MODE IN THE 5.8 GHz BAND

8.53.1. 6 dB BANDWIDTH

LIMITS

FCC §15.407 (e)

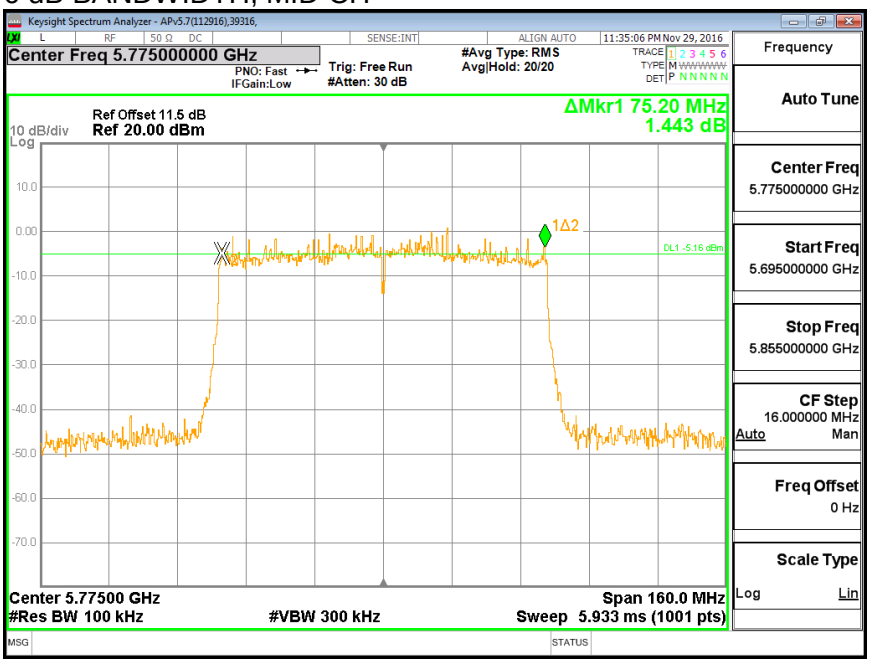
The minimum 6 dB bandwidth shall be at least 500 kHz.

RESULTS

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Mid	5775	75.200	0.5

6 dB BANDWIDTH

6 dB BANDWIDTH, MID CH



8.53.2. 26 dB BANDWIDTH

LIMITS

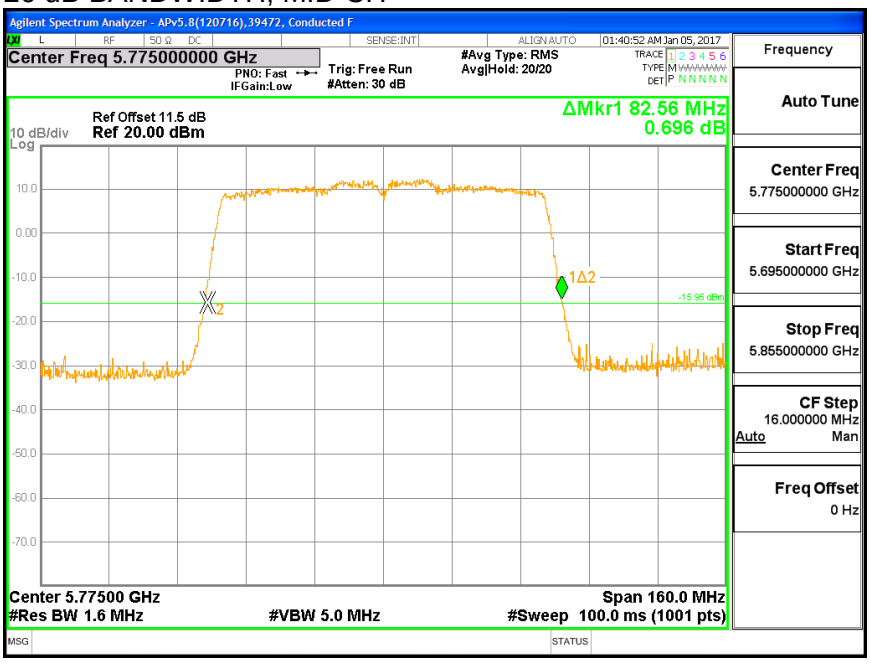
None, for reporting purposes only.

RESULTS

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Mid	5775	82.560

26 dB BANDWIDTH

26 dB BANDWIDTH, MID CH



8.53.3. 99% BANDWIDTH

LIMITS

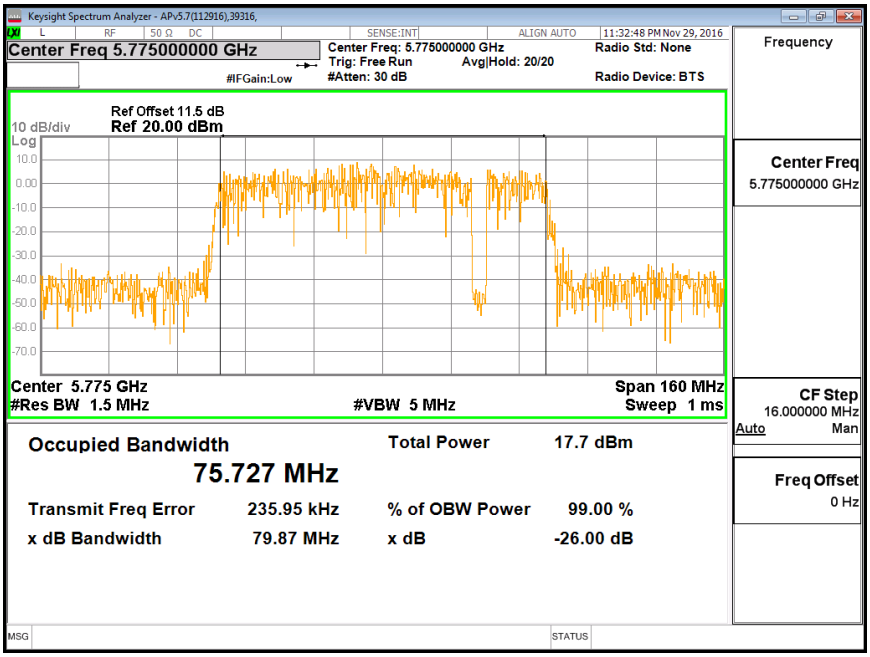
None; for reporting purposes only.

RESULTS

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Mid	5775	75.727

99% BANDWIDTH

BANDWIDTH MID CH



8.53.4. AVERAGE POWER

LIMITS

None; for reporting purposes only.

TEST PROCEDURE

Measurements perform using a wideband gated RF power meter.

RESULTS

ID:	50822	Date:	2/8/17

Channel	Frequency (MHz)	Power (dBm)
Mid	5775	14.98

8.53.5. 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

Measurements perform using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

DIRECTIONAL ANTENNA GAIN

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

RESULTS

ID:	50822	Date:	2/7/17

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)
Mid	5775	4.20	30.00

Output Power Results

Channel	Frequency (MHz)	Ant A Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	14.98	14.98	30.00	-15.02

8.53.6. 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	4.20	30.00

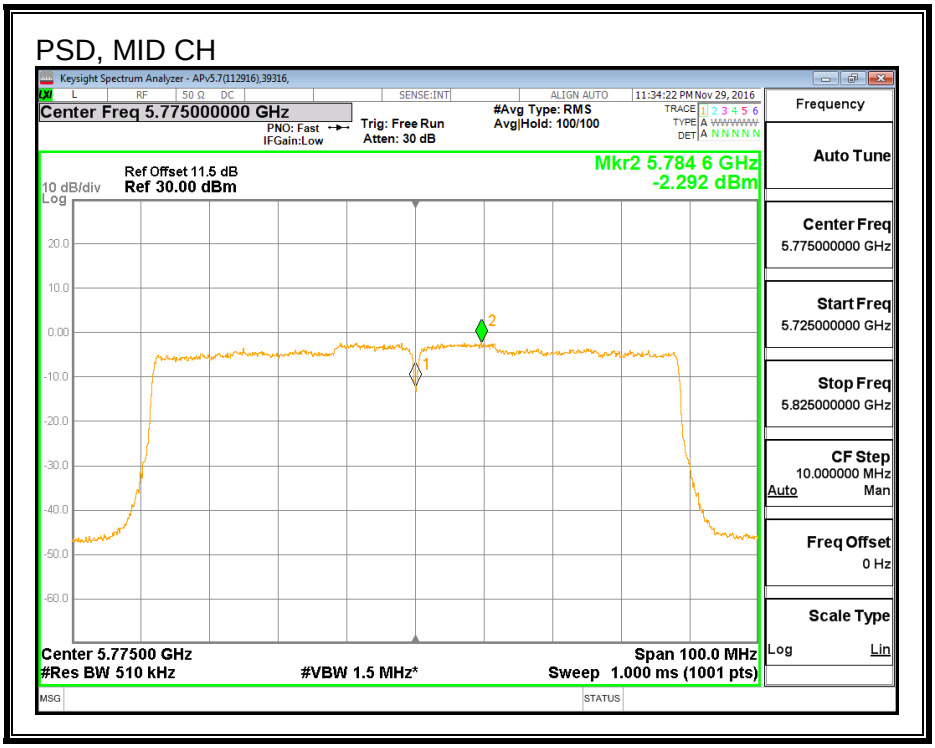
Duty Cycle CF (dB)	0.19	Included in Calculations of Corr'd PSD

PSD Results

Channel	Frequency (MHz)	Ant A Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Mid	5775	-2.29	-2.10	30.00	-32.10

PSD

PSD, MID CH



8.54. 802.11ac VHT80 ANTENNA B MODE IN THE 5.8 GHz BAND

8.54.1. 6 dB BANDWIDTH

LIMITS

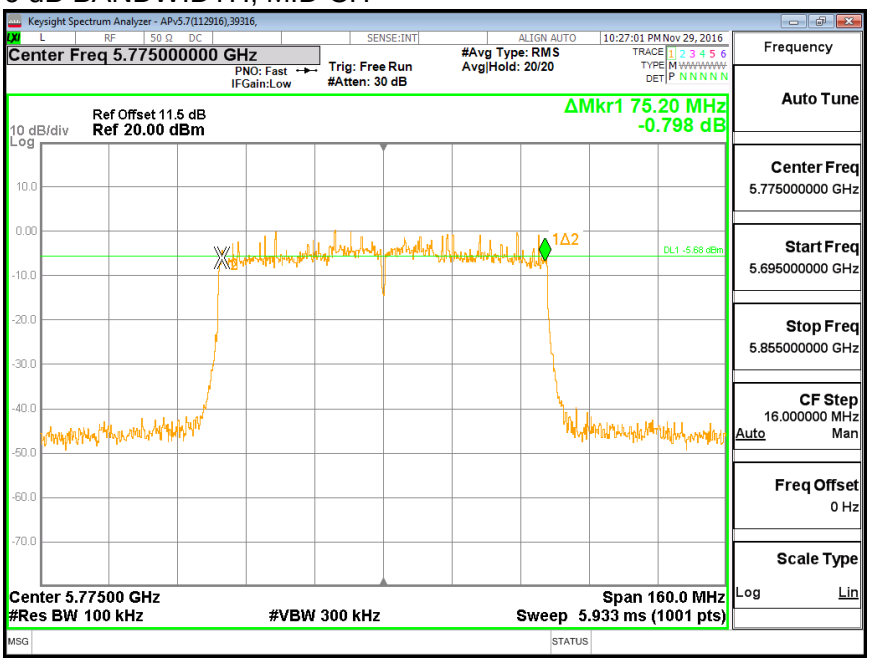
The minimum 6 dB bandwidth shall be at least 500 kHz.

RESULTS

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Mid	5775	75.200	0.5

6 dB BANDWIDTH

6 dB BANDWIDTH, MID CH



8.54.2. 26 dB BANDWIDTH

LIMITS

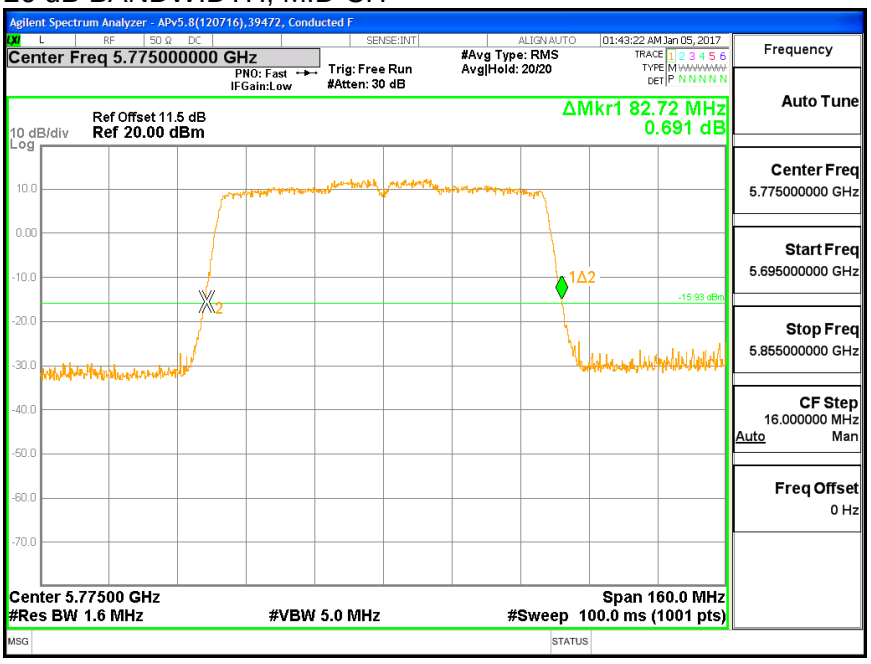
None, for reporting purposes only.

RESULTS

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Mid	5775	82.720

26 dB BANDWIDTH

26 dB BANDWIDTH, MID CH



8.54.3. 99% BANDWIDTH

LIMITS

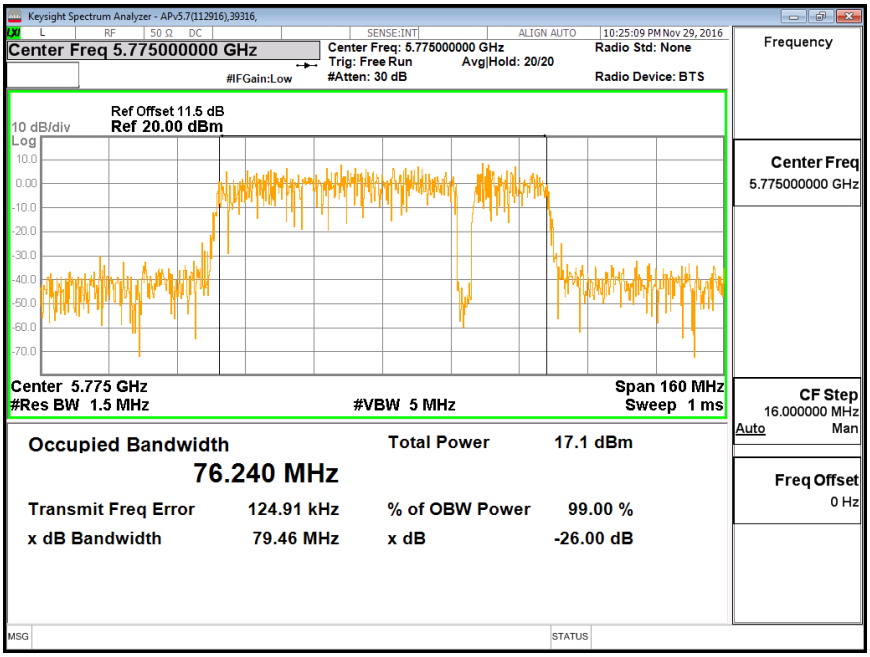
None; for reporting purposes only.

RESULTS

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Mid	5775	76.240

99% BANDWIDTH

BANDWIDTH MID CH



8.54.4. AVERAGE POWER

LIMITS

None; for reporting purposes only.

TEST PROCEDURE

Measurements perform using a wideband gated RF power meter.

RESULTS

ID:	50822	Date:	2/8/17

Channel	Frequency (MHz)	Power (dBm)
Mid	5775	15.48

8.54.5. 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

Measurements perform using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

DIRECTIONAL ANTENNA GAIN

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

RESULTS

ID:	50822	Date:	2/9/17

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)
Mid	5775	4.32	30.00

Output Power Results

Channel	Frequency (MHz)	Ant B Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	15.48	15.48	30.00	-14.52

8.54.6. 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	4.32	30.00

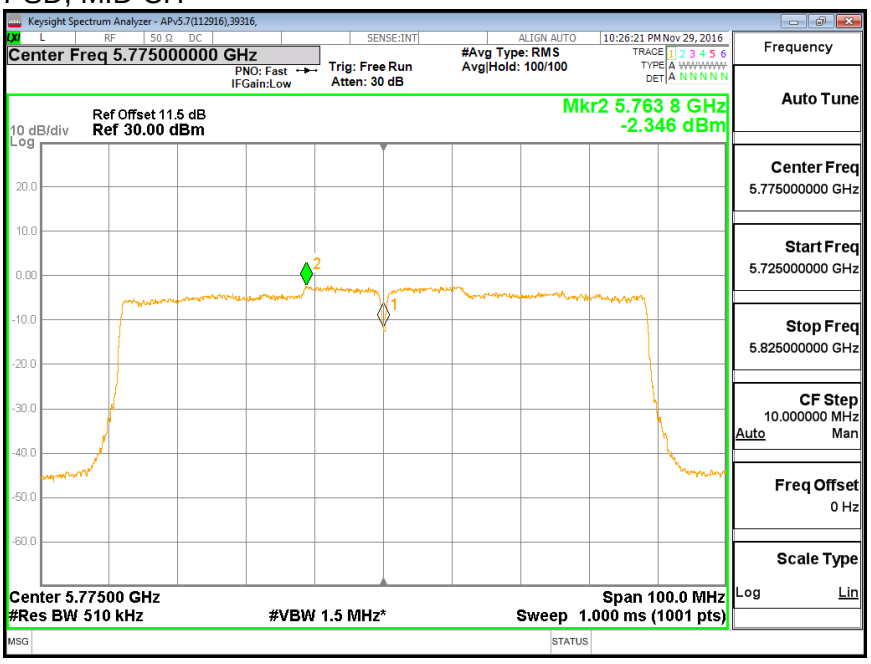
Duty Cycle CF (dB)	0.19	Included in Calculations of Corr'd PSD

PSD Results

Channel	Frequency (MHz)	Ant B Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Mid	5775	-2.35	-2.16	30.00	-32.16

PSD

PSD, MID CH



8.55. 802.11ac VHT80 2Tx (ANTENNA A + ANTENNA B) CDD MODE IN THE 5.8 GHz BAND

8.55.1. 6 dB BANDWIDTH

LIMITS

FCC §15.407 (e)

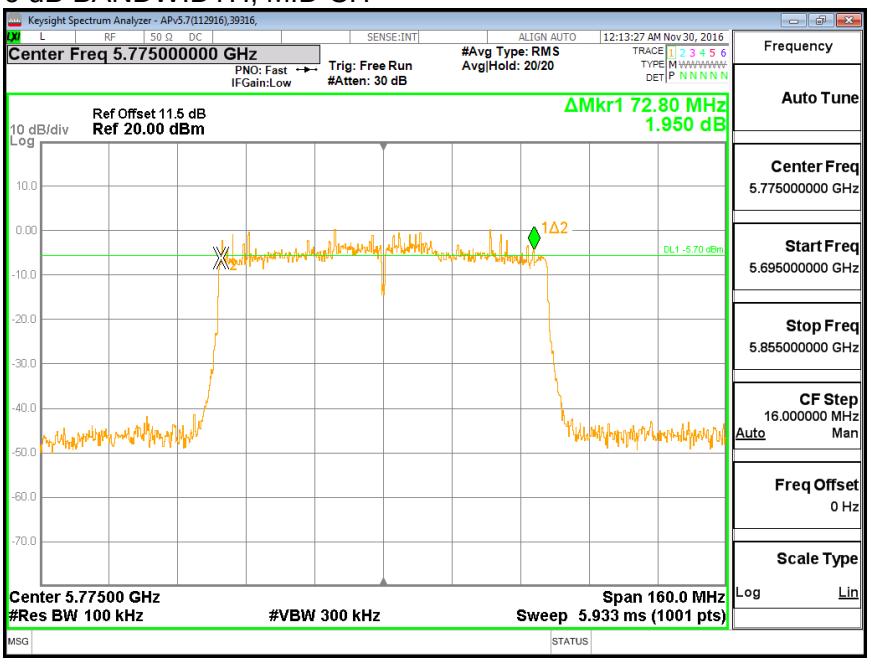
The minimum 6 dB bandwidth shall be at least 500 kHz.

RESULTS

Channel	Frequency (MHz)	6 dB BW Ant A (MHz)	6 dB BW Ant B (MHz)	Minimum Limit (MHz)
Mid	5775	72.800	75.360	0.5

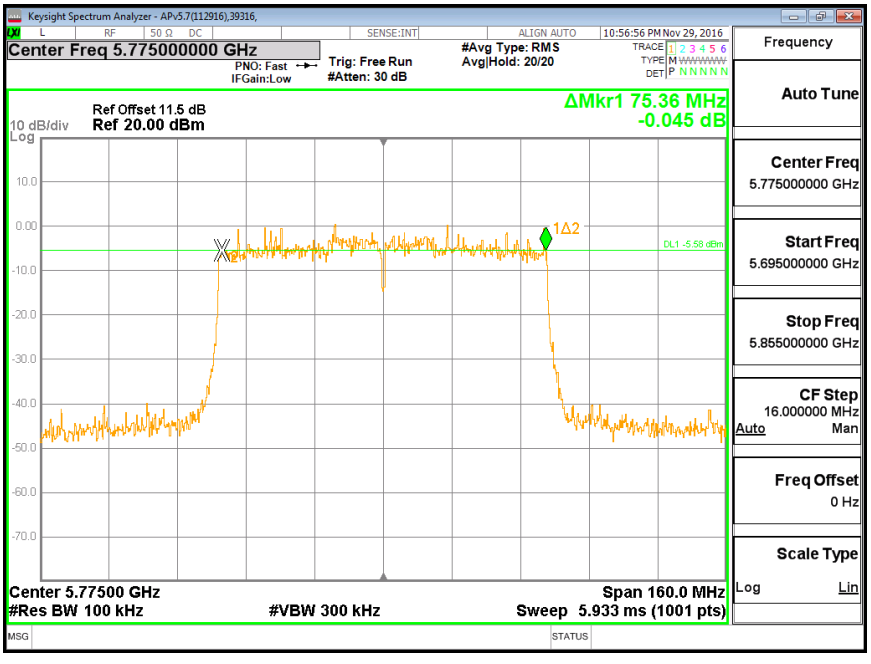
6 dB BANDWIDTH, ANTENNA A

6 dB BANDWIDTH, MID CH



6 dB BANDWIDTH, ANTENNA B

6 dB BANDWIDTH ANTENNA B MID CH



8.55.2. 26 dB BANDWIDTH

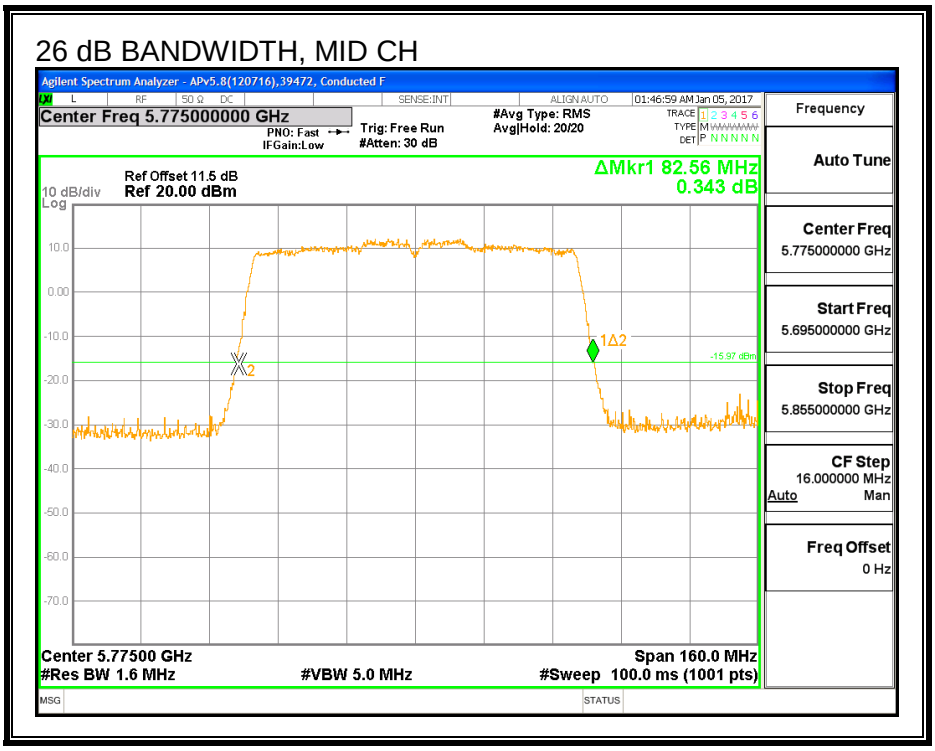
LIMITS

None, for reporting purposes only.

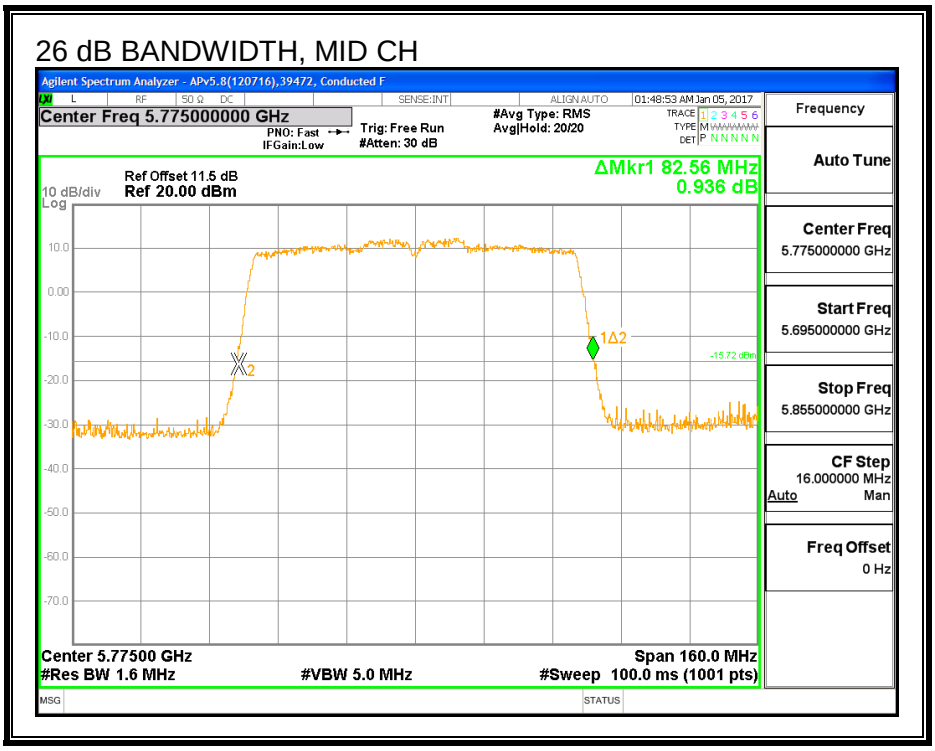
RESULTS

Channel	Frequency (MHz)	26 dB BW Ant A (MHz)	26 dB BW Ant B (MHz)
Mid	5775	82.560	82.560

26 dB BANDWIDTH, ANTENNA A



26 dB BANDWIDTH, ANTENNA B



8.55.3. 99% BANDWIDTH

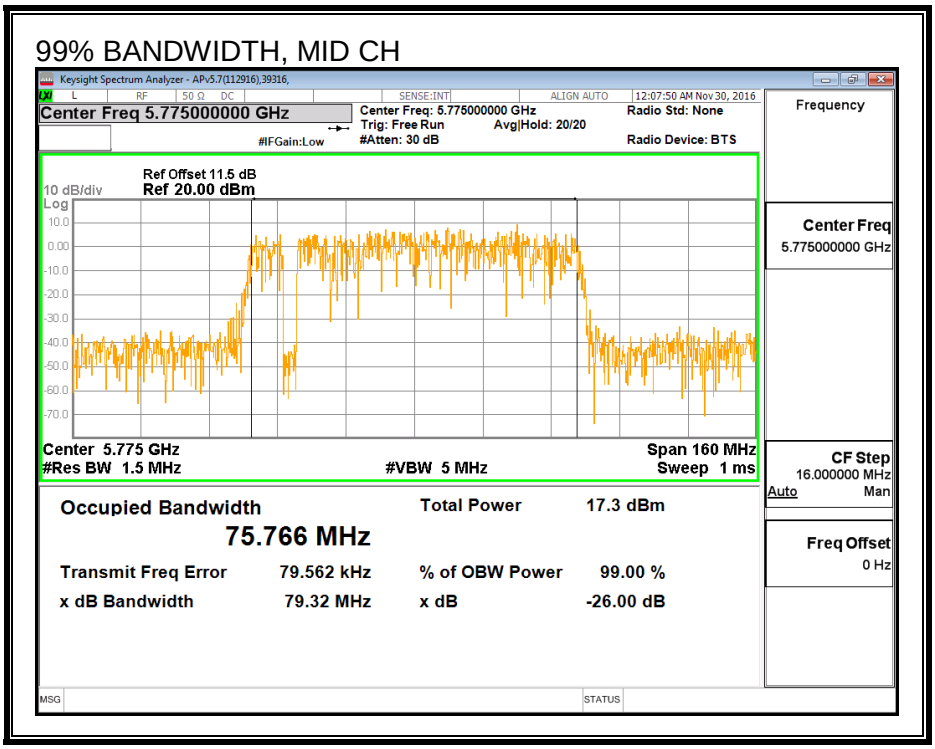
LIMITS

None; for reporting purposes only.

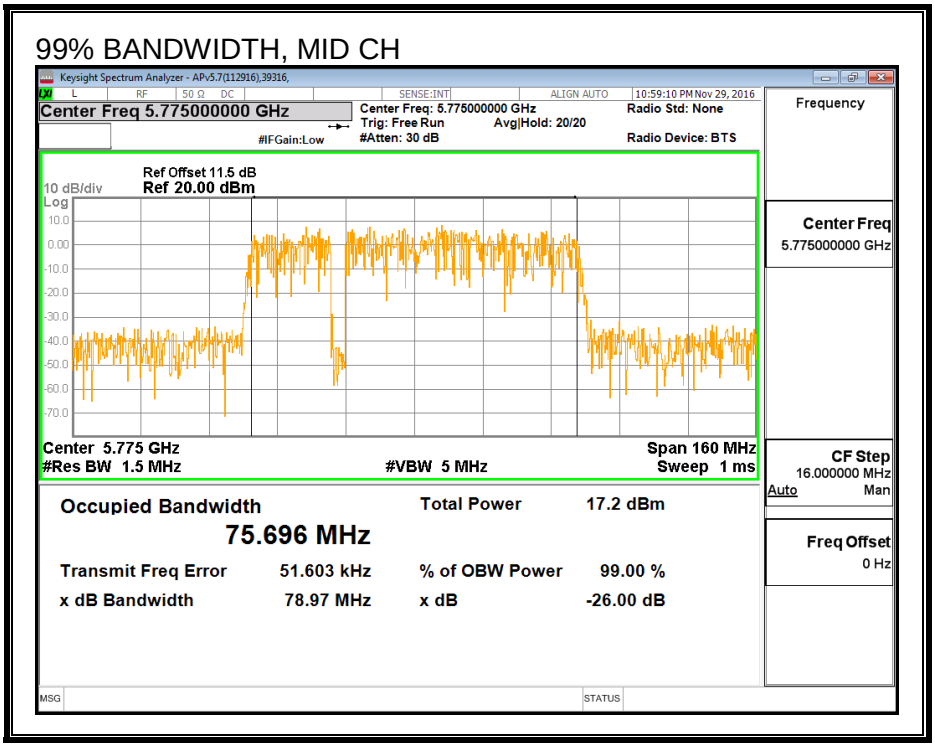
RESULTS

Channel	Frequency (MHz)	99% BW Ant A (MHz)	99% BW Ant B (MHz)
Mid	5775	75.766	75.696

99% BANDWIDTH, ANTENNA A



99% BANDWIDTH, ANTENNA B



8.55.4. AVERAGE POWER

LIMITS

None; for reporting purposes only.

TEST PROCEDURE

Measurements perform using a wideband gated RF power meter.

RESULTS

ID:	50822	Date:	2/8/17

Channel	Frequency (MHz)	Ant A Power (dBm)	Ant B Power (dBm)	Total Power (dBm)
Mid	5775	14.87	15.48	18.20

8.55.5. 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

Measurements perform using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

DIRECTIONAL ANTENNA GAIN

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

Ant A Gain (dBi)	Ant B Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)
4.20	4.32	4.26

RESULTS

ID:	50822	Date:	2/9/17

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)
Mid	5775	4.26	30.00

Output Power Results

Channel	Frequency (MHz)	Ant A Meas Power (dBm)	Ant B Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	14.87	15.48	18.20	30.00	-11.80

8.55.6. 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:

Ant A Gain (dBi)	Ant B Gain (dBi)	Correlated Chains Directional Gain (dBi)
4.20	4.32	7.27

RESULTS

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm)
Mid	5775	7.27	28.73

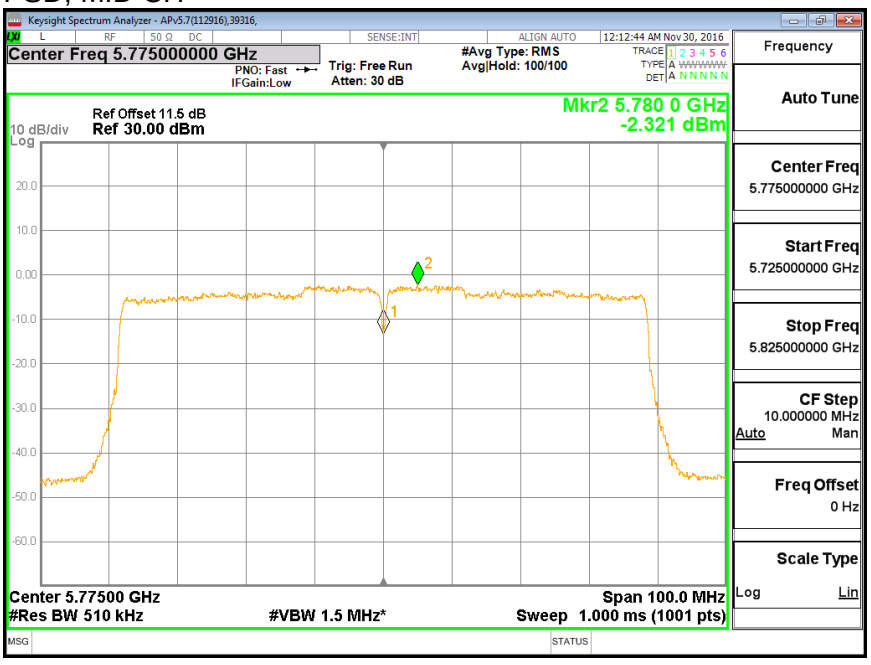
Duty Cycle CF (dB)	0.20	Included in Calculations of Corr'd PSD

PSD Results

Channel	Frequency (MHz)	Ant A Meas PSD (dBm)	Ant B Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Mid	5775	-2.32	-2.32	0.89	28.73	-27.84

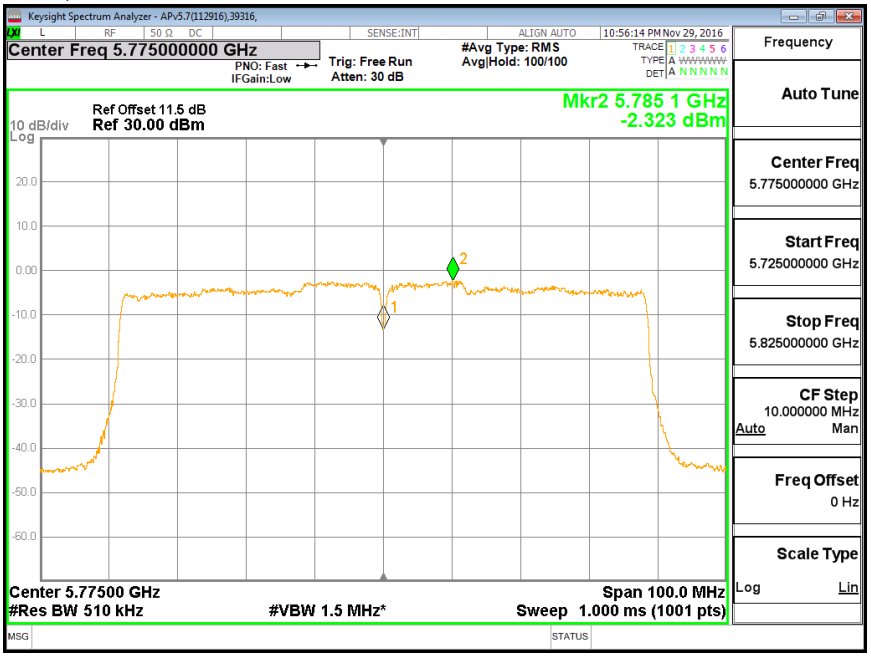
PSD, ANTENNA A

PSD, MID CH



PSD, ANTENNA B

PSD, MID CH



8.56. 802.11ac VHT80 2Tx (ANTENNA A + ANTENNA B) STBC MODE IN THE 5.8 GHz BAND

Noted: Covered by 802.11ac VHT80 2Tx (ANTENNA A + ANTENNA B) CDD MODE IN THE 5.8 GHz BAND

9. RADIATED 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 pre-scans above 1GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 30 KHz for peak measurements.

For final 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.

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 1 GHz and from 18 GHz to 40 GHz is investigated with the transmitter set to the worst case channel in each applicable band. The spectrum from 1 GHz to 18GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band.

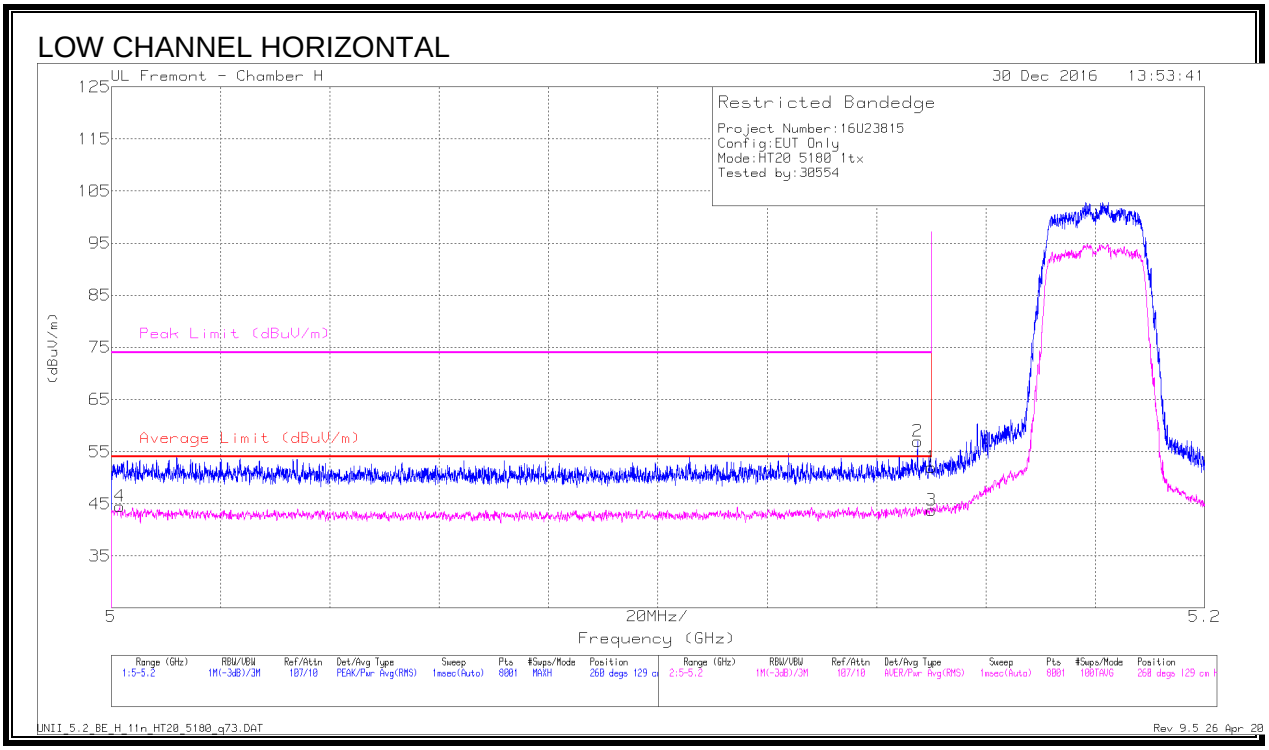
The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized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

Radiated emission were performed with the EUT set to transmit at the channel with highest output power as worst-case scenario.

9.2. TRANSMITTER ABOVE 1 GHz

9.2.1. 11n HT20 ANTENNA A SISO MODE IN THE 5.2GHz BAND

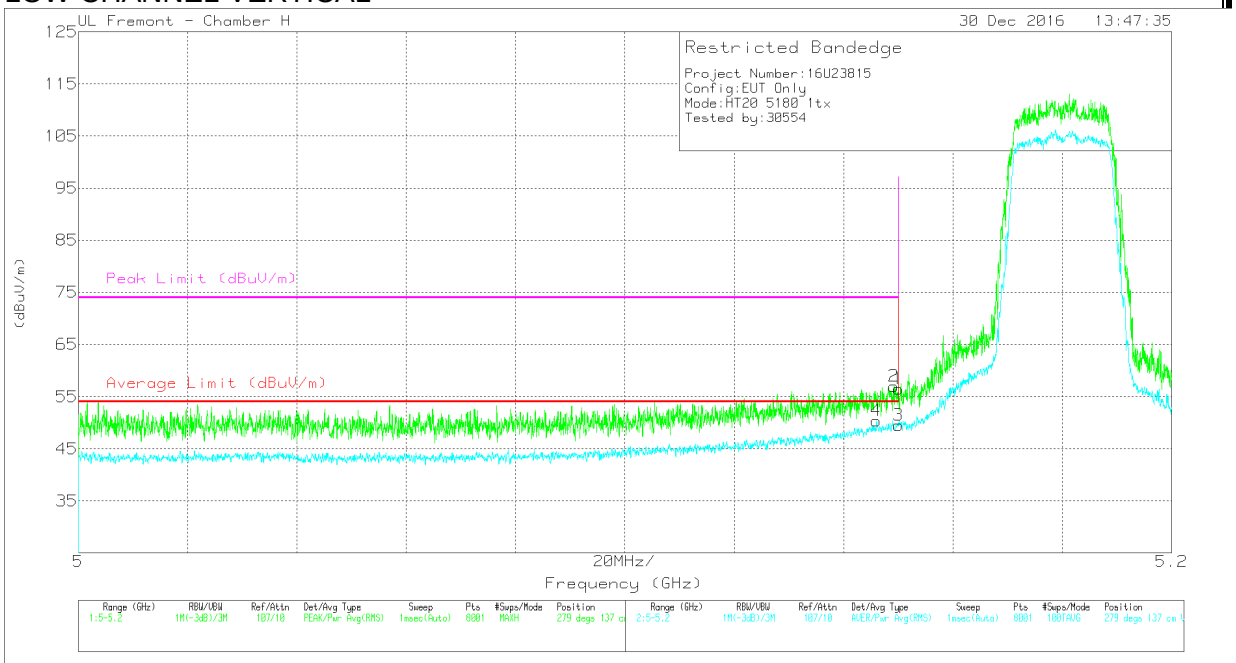
RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/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	* 5.148	47.58	Pk	34.3	-24.9	56.98	-	-	74	-17.02	260	129	H
4	* 5.002	35.16	RMS	34.1	-24.7	44.56	54	-9.44	-	-	260	129	H
1	5.15	42.57	Pk	34.3	-24.9	51.97	-	-	74	-22.03	260	129	H
3	5.15	34.37	RMS	34.3	-24.9	43.77	54	-10.23	-	-	260	129	H

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

LOW CHANNEL VERTICAL

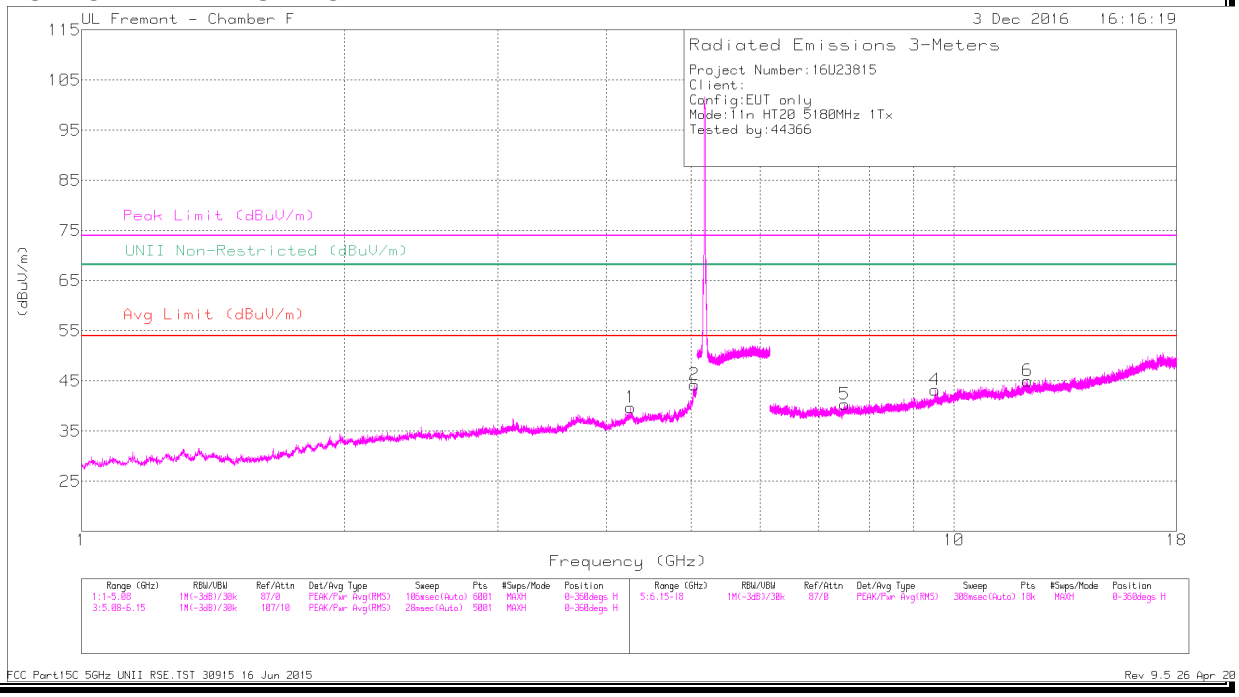


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.149	47.62	Pk	34.3	-24.9	57.02	-	-	74	-16.98	279	137	V
4	* 5.146	40.93	RMS	34.3	-24.8	50.43	54	-3.57	-	-	279	137	V
1	5.15	47.06	Pk	34.3	-24.9	56.46	-	-	74	-17.54	279	137	V
3	5.15	40.07	RMS	34.3	-24.9	49.47	54	-4.53	-	-	279	137	V

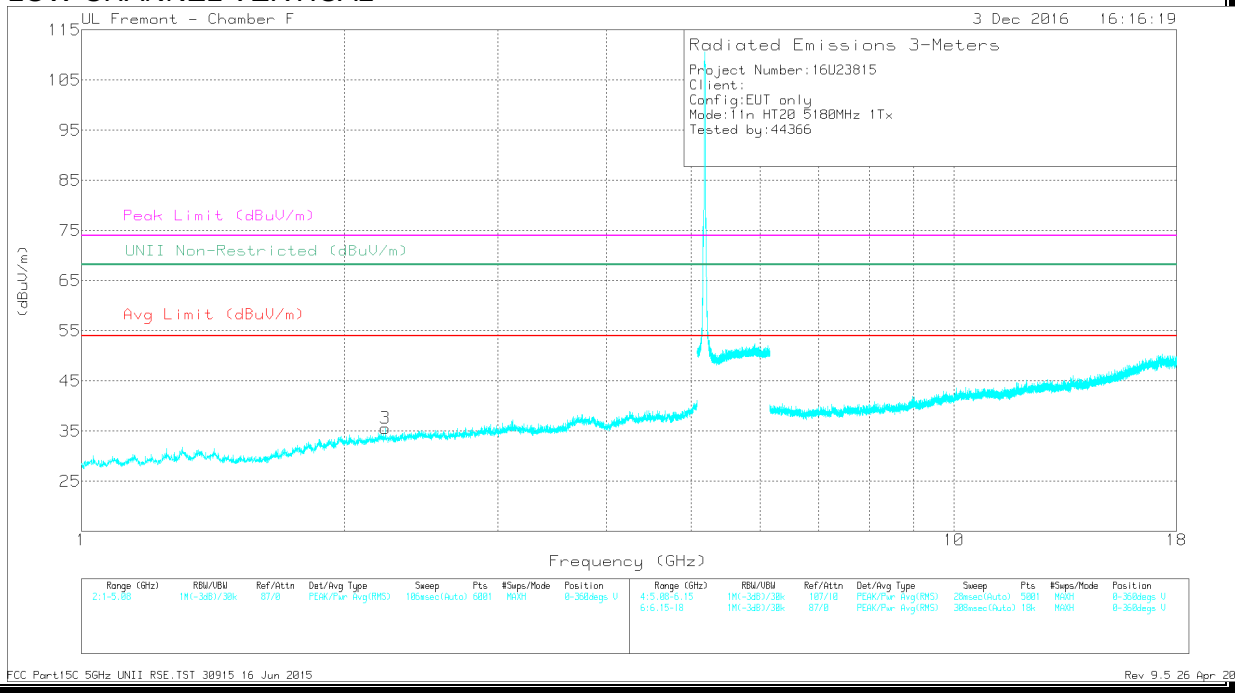
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



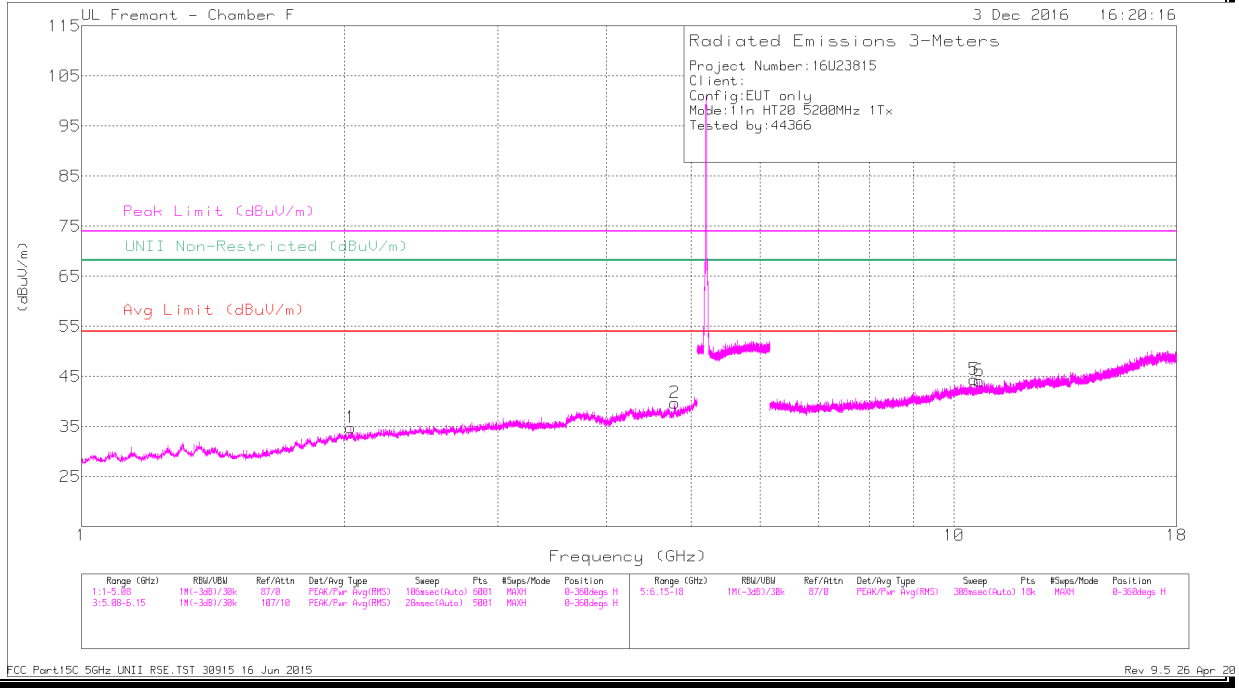
LOW CHANNEL VERTICAL



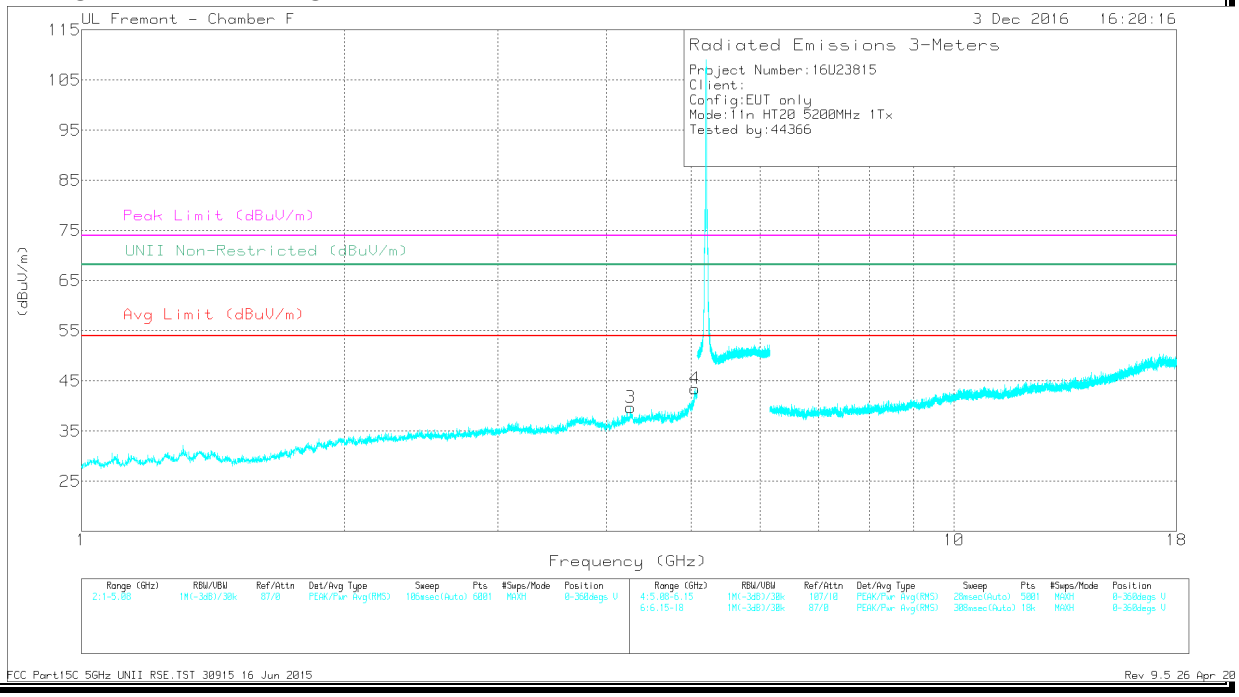
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.258	37.78	PK-U	33.7	-26.5	44.98	-	-	74	-29.02	-	-	313	361	H
	* 4.259	26.46	ADR	33.7	-26.5	33.66	54	-20.34	-	-	-	-	313	361	H
2	* 5.036	41.18	PK-U	34.2	-26.1	49.28	-	-	74	-24.72	-	-	237	242	H
	* 5.039	31.26	ADR	34.2	-26.1	39.36	54	-14.64	-	-	-	-	237	242	H
3	* 2.23	39.83	PK-U	31.8	-30.4	41.23	-	-	74	-32.77	-	-	161	174	V
	* 2.228	29.35	ADR	31.8	-30.3	30.85	54	-23.15	-	-	-	-	161	174	V
4	9.524	33.69	PK-U	36.5	-21.5	48.69	-	-	-	-	68.2	-19.51	198	139	H
5	* 7.493	36.22	PK-U	35.6	-25.2	46.62	-	-	74	-27.38	-	-	122	172	H
	* 7.492	26.06	ADR	35.6	-25.2	36.46	54	-17.54	-	-	-	-	122	172	H
6	* 12.139	33.84	PK-U	38.9	-22.5	50.24	-	-	74	-23.76	-	-	122	137	H
	* 12.14	24.1	ADR	38.9	-22.6	40.4	54	-13.6	-	-	-	-	122	137	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average
FCC Part15C 5GHz UNII RSE.TST 30915 16 Jun 2015
Rev 9.5 26 Apr 2016

MID CHANNEL HORIZONTAL



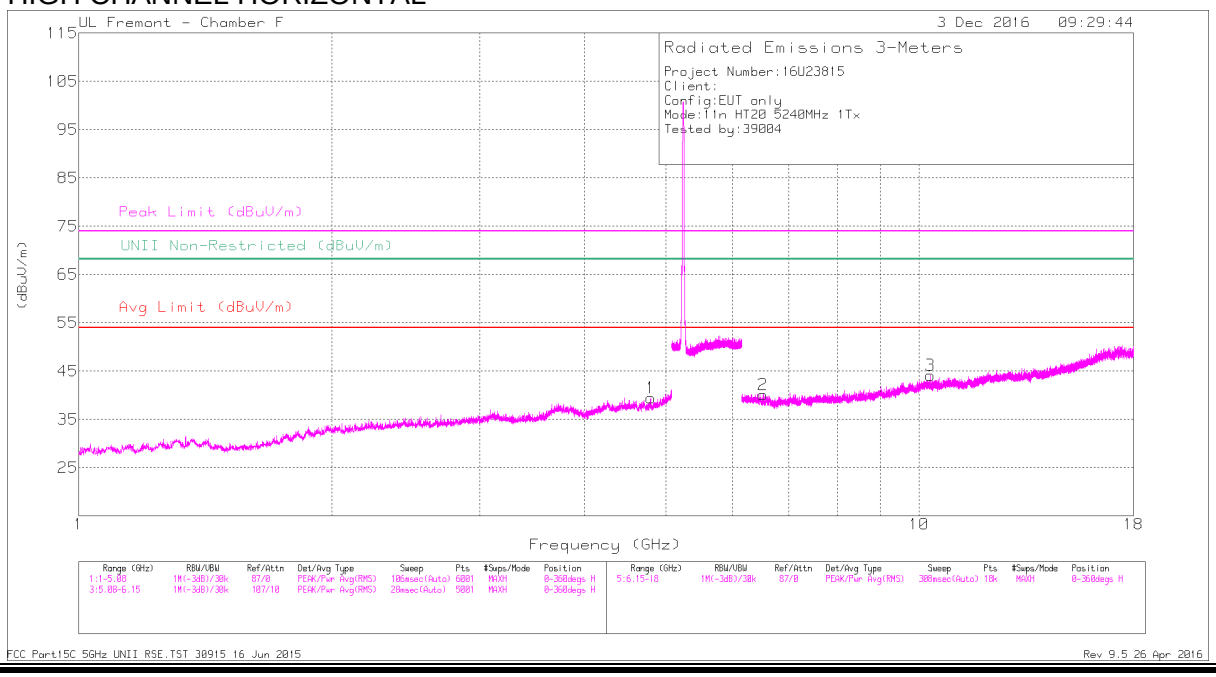
MID CHANNEL VERTICAL



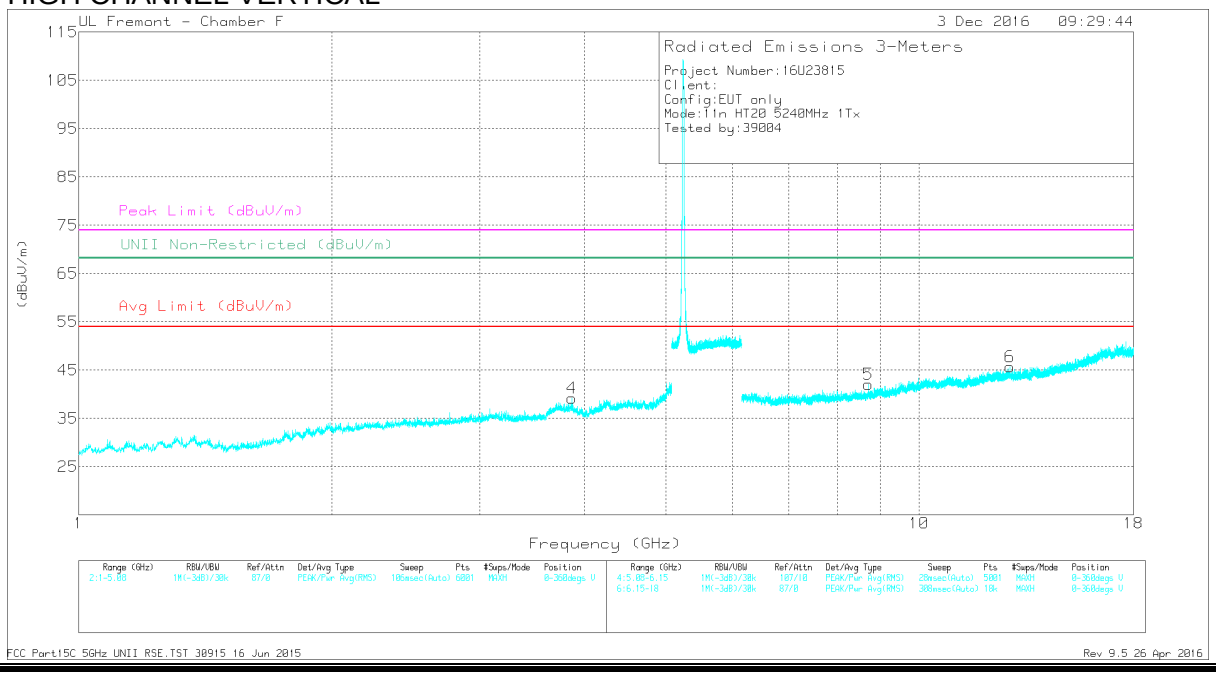
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.035	40.6	PK-U	31.5	-30.9	41.2	-	-	-	-	68.2	-27	101	102	H
2	* 4.79	38.24	PK-U	34	-27.5	44.74	-	-	74	-29.26	-	-	91	125	H
	* 4.789	27.54	ADR	34	-27.4	34.14	54	-19.86	-	-	-	-	91	125	H
3	* 4.261	37.37	PK-U	33.7	-26.4	44.67	-	-	74	-29.33	-	-	275	336	V
	* 4.262	26.66	ADR	33.7	-26.4	33.96	54	-20.04	-	-	-	-	275	336	V
4	* 5.047	42.58	PK-U	34.2	-26.2	50.58	-	-	74	-23.42	-	-	281	105	V
	* 5.049	32.5	ADR	34.2	-26.2	40.5	54	-13.5	-	-	-	-	281	105	V
5	10.553	34.02	PK-U	37.5	-21.8	49.72	-	-	-	-	68.2	-18.48	248	379	H
6	* 10.69	33.97	PK-U	37.7	-21.8	49.87	-	-	74	-24.13	-	-	158	342	H
	* 10.688	23.67	ADR	37.7	-21.8	39.57	54	-14.43	-	-	-	-	158	342	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL

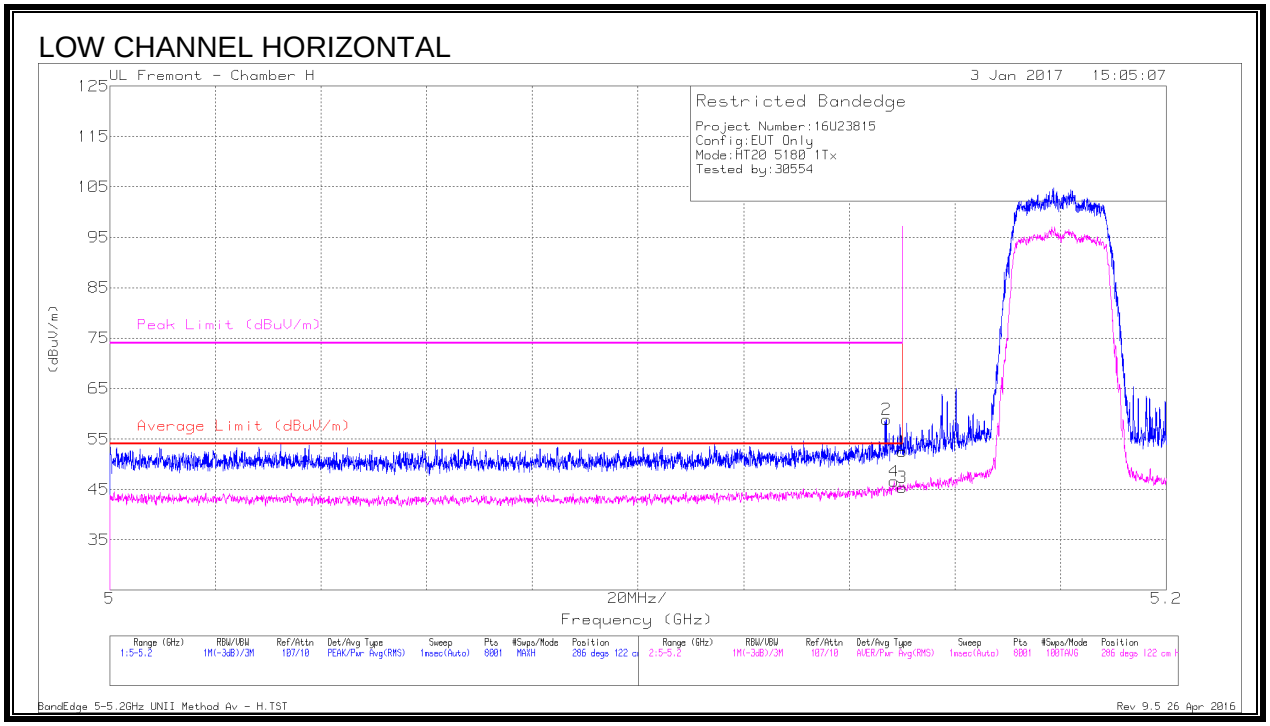


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.796	38.04	PK-U	34	-27.5	44.54	-	-	74	-29.46	-	-	250	185	H
	* 4.794	27.53	ADR	34	-27.5	34.03	54	-19.97	-	-	-	-	250	185	H
2	6.526	37.24	PK-U	35.4	-26.7	45.94	-	-	-	-	68.2	-22.26	0	364	H
3	10.321	33.72	PK-U	37.3	-21.7	49.32	-	-	-	-	68.2	-18.88	350	200	H
4	* 3.863	38.59	PK-U	33.4	-28.5	43.49	-	-	74	-30.51	-	-	263	299	V
	* 3.865	27.94	ADR	33.4	-28.5	32.84	54	-21.16	-	-	-	-	263	299	V
5	8.712	34.42	PK-U	35.9	-23.7	46.62	-	-	-	-	68.2	-21.58	64	151	V
6	12.824	34.61	PK-U	39.3	-23	50.91	-	-	-	-	68.2	-17.29	319	346	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average

9.2.2. 11n HT20 ANTENNA B SISO MODE IN THE 5.2GHz BAND

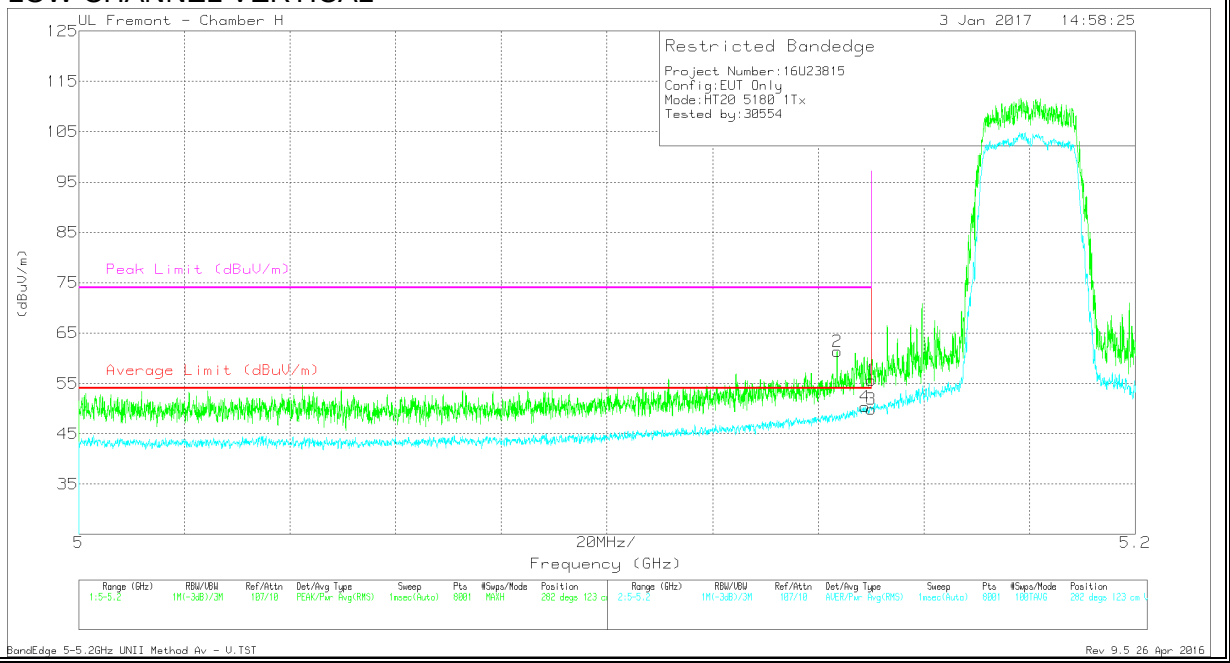
RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl /Fltr/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	* 5.147	49.47	Pk	34.3	-24.9	58.87	-	-	74	-15.13	286	122	H
4	* 5.148	37.19	RMS	34.3	-24.9	46.59	54	-7.41	-	-	286	122	H
1	5.15	43.12	Pk	34.3	-24.9	52.52	-	-	74	-21.48	286	122	H
3	5.15	36.01	RMS	34.3	-24.9	45.41	54	-8.59	-	-	286	122	H

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

LOW CHANNEL VERTICAL

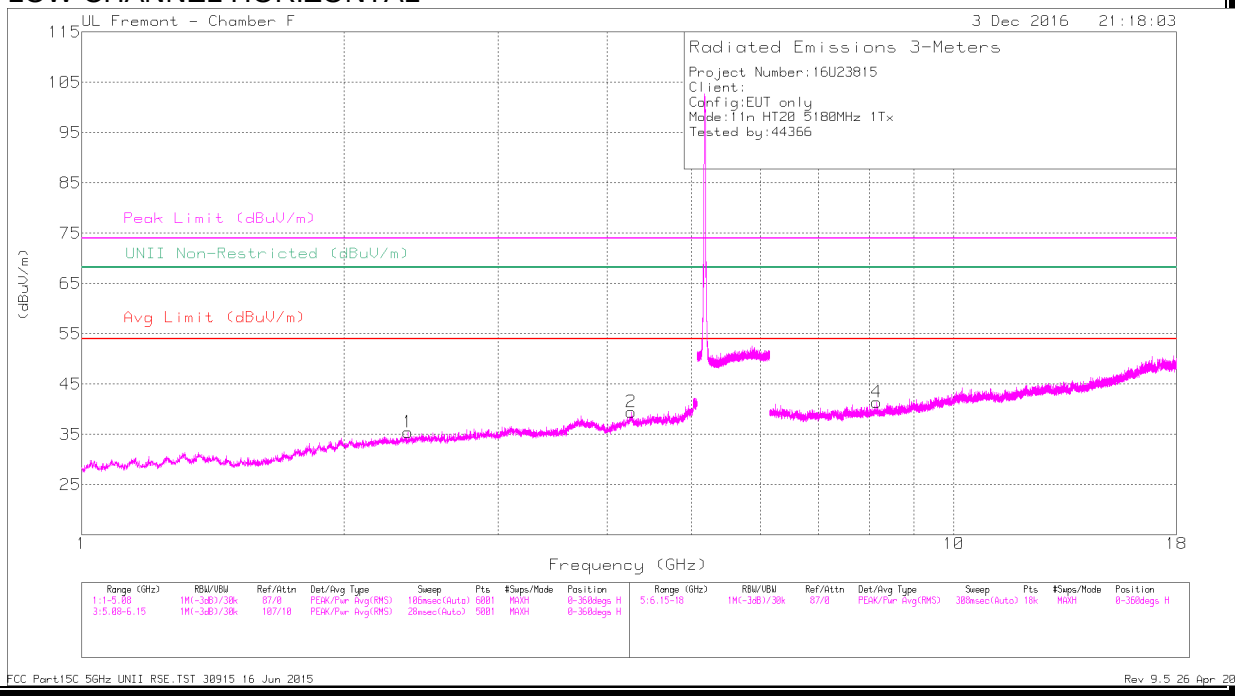


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.144	51.87	Pk	34.3	-24.8	61.37	-	-	74	-12.63	282	123	V
4	* 5.149	41.05	RMS	34.3	-24.9	50.45	54	-3.55	-	-	282	123	V
1	5.15	46.27	Pk	34.3	-24.9	55.67	-	-	74	-18.33	282	123	V
3	5.15	40.52	RMS	34.3	-24.9	49.92	54	-4.08	-	-	282	123	V

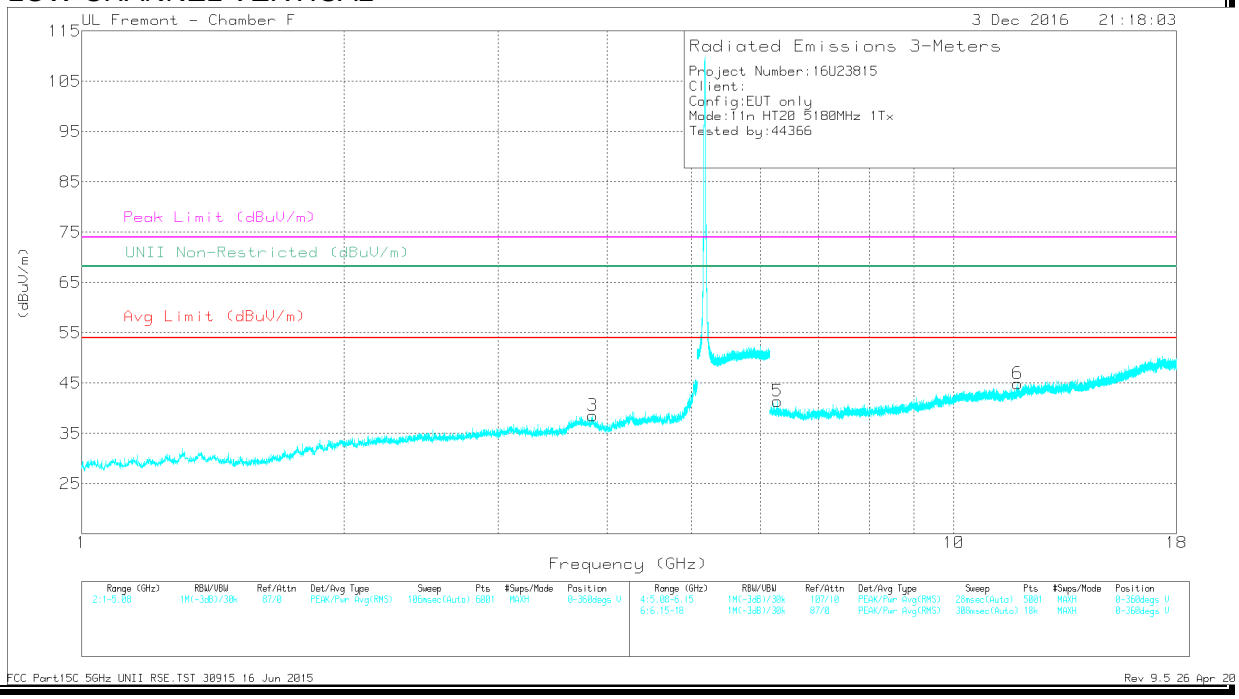
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



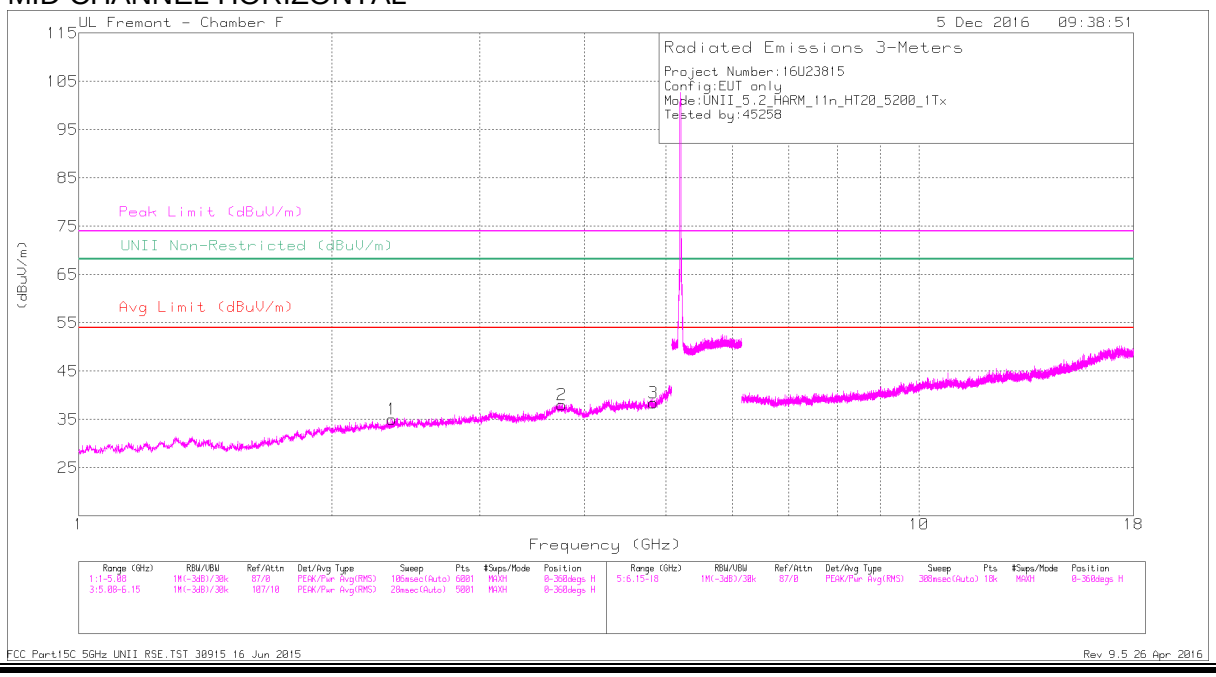
LOW CHANNEL VERTICAL



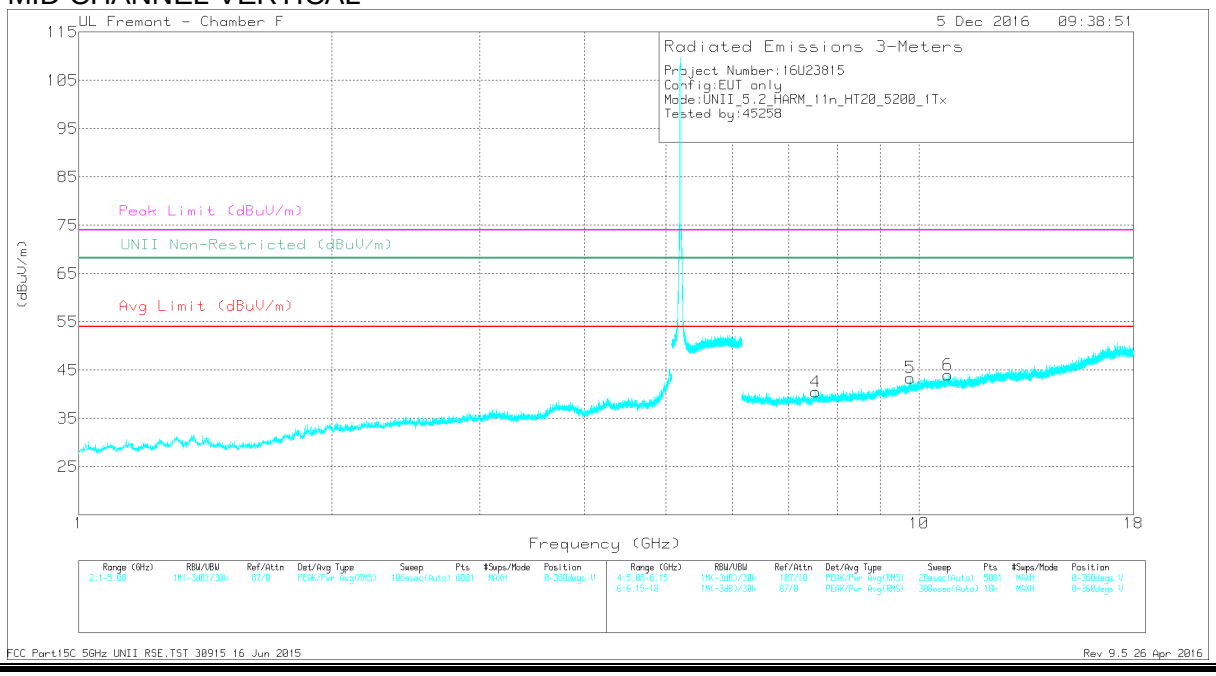
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.367	40.01	PK-U	32	-30.5	41.51	-	-	74	-32.49	-	-	60	121	H
	* 2.368	28.81	ADR	32	-30.5	30.31	54	-23.69	-	-	-	-	60	121	H
2	* 4.267	37.17	PK-U	33.7	-26.5	44.37	-	-	74	-29.63	-	-	175	212	H
	* 4.265	26.57	ADR	33.7	-26.5	33.77	54	-20.23	-	-	-	-	175	212	H
3	* 3.851	39.08	PK-U	33.4	-28.5	43.98	-	-	74	-30.02	-	-	317	309	V
	* 3.851	27.81	ADR	33.4	-28.5	32.71	54	-21.29	-	-	-	-	317	309	V
4	* 8.158	36.96	PK-U	35.7	-24.4	48.26	-	-	74	-25.74	-	-	323	156	H
	* 8.159	24.82	ADR	35.7	-24.4	36.12	54	-17.88	-	-	-	-	323	156	H
5	6.274	37.46	PK-U	35.4	-26.4	46.46	-	-	-	-	68.2	-21.74	252	118	V
6	* 11.844	33.58	PK-U	38.5	-22	50.08	-	-	74	-23.92	-	-	118	254	V
	* 11.843	23.27	ADR	38.5	-22	39.77	54	-14.23	-	-	-	-	118	254	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average

MID CHANNEL HORIZONTAL



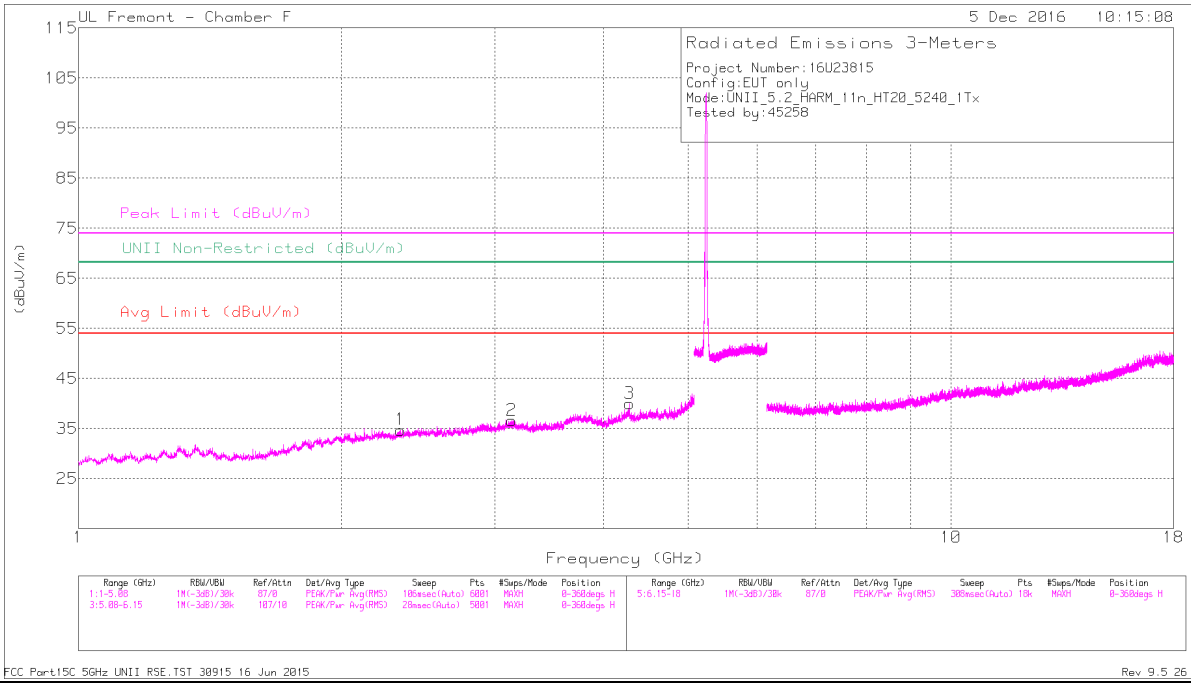
MID CHANNEL VERTICAL



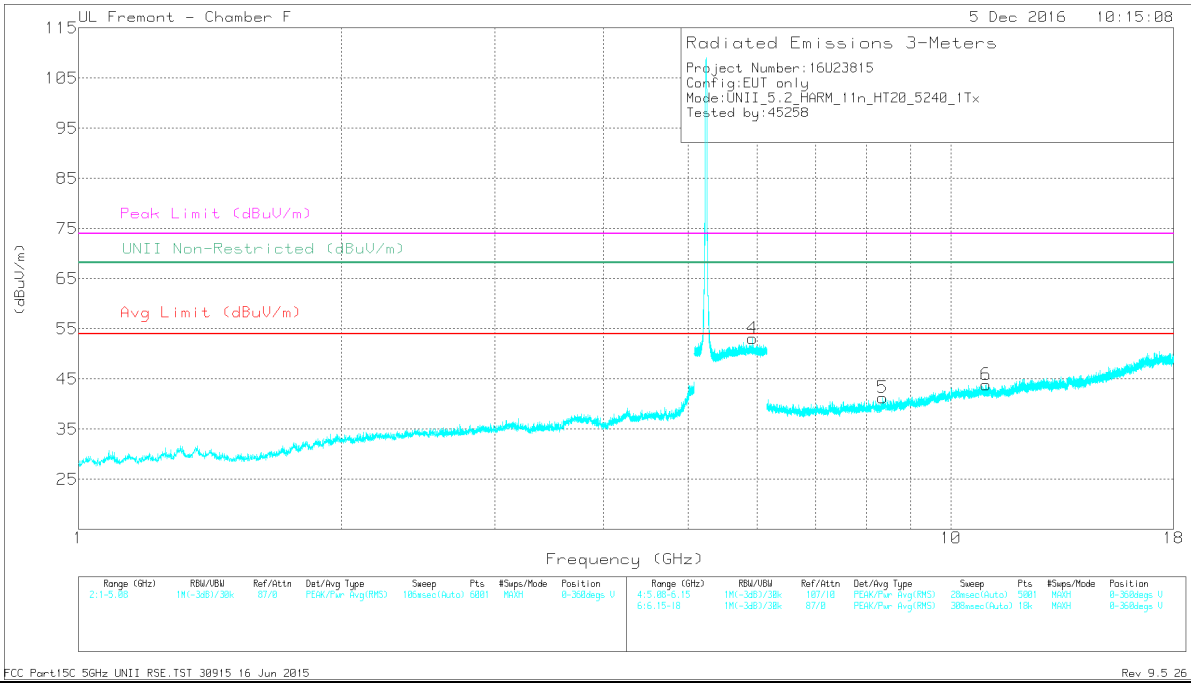
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.358	39.71	PK-U	32	-30.5	41.21	-	-	74	-32.79	-	-	232	149	H
	* 2.36	29.45	ADR	32	-30.6	30.85	54	-23.15	-	-	-	-	232	149	H
2	* 3.757	38.41	PK-U	33.4	-29.2	42.61	-	-	74	-31.39	-	-	261	177	H
	* 3.757	28.35	ADR	33.4	-29.2	32.55	54	-21.45	-	-	-	-	261	177	H
3	* 4.83	37.69	PK-U	34	-28	43.69	-	-	74	-30.31	-	-	154	161	H
	* 4.833	27.81	ADR	34	-28	33.81	54	-20.19	-	-	-	-	154	161	H
5	9.758	33.52	PK-U	36.7	-21.6	48.62	-	-	-	-	68.2	-19.58	322	125	H
4	* 7.533	35.2	PK-U	35.6	-24.8	46	-	-	74	-28	-	-	61	142	H
	* 7.532	25.71	ADR	35.6	-24.8	36.51	54	-17.49	-	-	-	-	61	142	H
6	* 10.824	33.5	PK-U	37.8	-21.7	49.6	-	-	74	-24.4	-	-	127	235	H
	* 10.826	23.36	ADR	37.8	-21.7	39.46	54	-14.54	-	-	-	-	127	235	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL

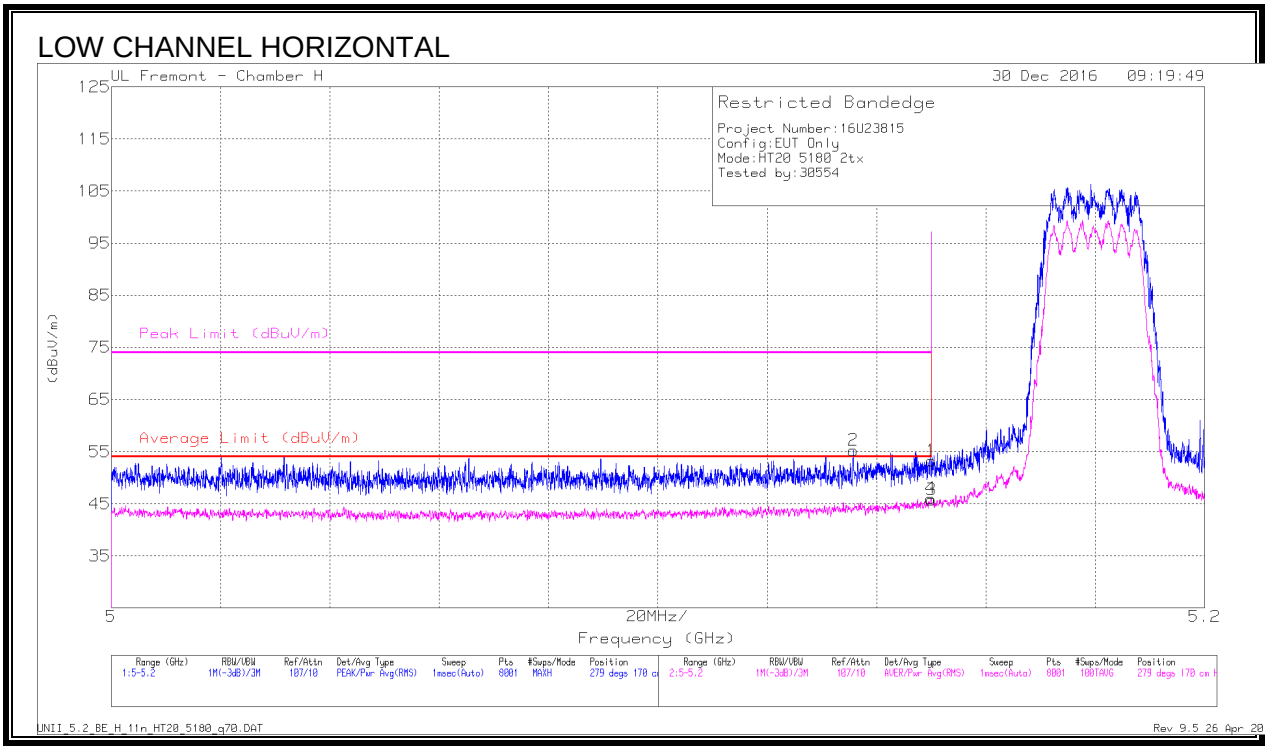


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.339	39.62	PK-U	31.9	-30.3	41.22	-	-	74	-32.78	-	-	254	145	H
2	3.137	39.09	PK-U	33.2	-29.3	42.99	-	-	-	-	68.2	-25.21	62	127	H
	* 2.341	29.15	ADR	31.9	-30.3	30.75	54	-23.25	-	-	-	-	254	145	H
3	* 4.283	37.15	PK-U	33.7	-26.9	43.95	-	-	74	-30.05	-	-	221	212	H
	* 4.283	27.36	ADR	33.7	-27	34.06	54	-19.94	-	-	-	-	221	212	H
4	5.927	41.15	PK-U	35.4	-18.4	58.15	-	-	-	-	68.2	-10.05	127	163	H
5	* 8.346	35.86	PK-U	35.7	-24.7	46.86	-	-	74	-27.14	-	-	329	229	H
	* 8.345	25.67	ADR	35.7	-24.7	36.67	54	-17.33	-	-	-	-	329	229	H
6	* 10.977	33.67	PK-U	37.9	-22.1	49.47	-	-	74	-24.53	-	-	234	280	H
	* 10.976	23.67	ADR	37.9	-22.1	39.47	54	-14.53	-	-	-	-	234	280	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average

9.2.3. 11n HT20 2TX CDD MIMO MODE IN THE 5.2GHz BAND

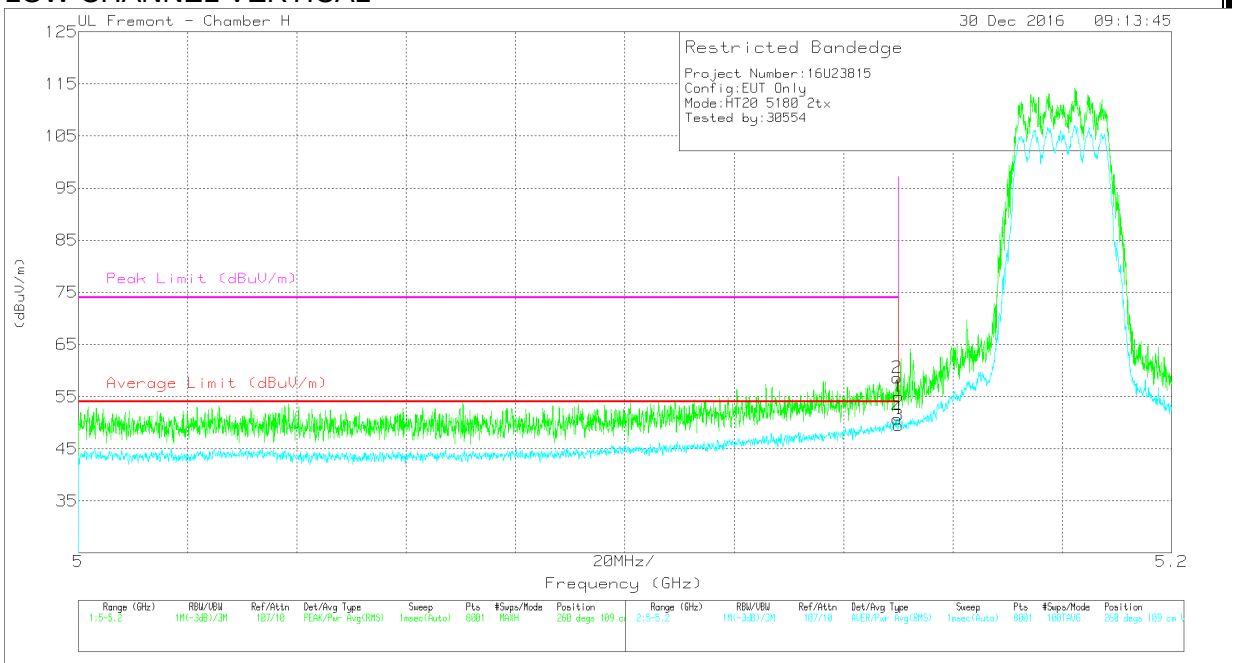
RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Flt r/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	* 5.136	45.83	Pk	34.2	-24.8	55.23	-	-	74	-18.77	279	170	H
4	* 5.15	36.66	RMS	34.3	-24.9	46.06	54	-7.94	-	-	279	170	H
1	5.15	43.86	Pk	34.3	-24.9	53.26	-	-	74	-20.74	279	170	H
3	5.15	36.4	RMS	34.3	-24.9	45.8	54	-8.2	-	-	279	170	H

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

LOW CHANNEL VERTICAL

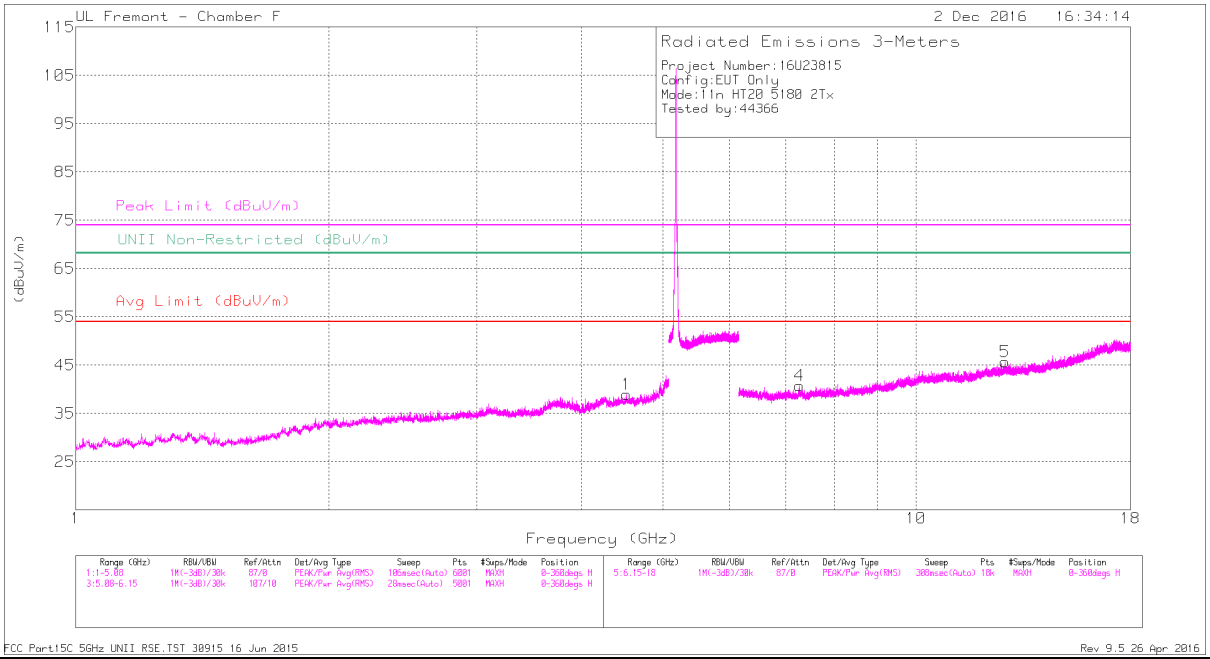


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Flt r/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.15	49.24	Pk	34.3	-24.9	58.64	-	-	74	-15.36	260	109	V
4	* 5.15	41.41	RMS	34.3	-24.9	50.81	54	-3.19	-	-	260	109	V
1	5.15	45.67	Pk	34.3	-24.9	55.07	-	-	74	-18.93	260	109	V
3	5.15	40.06	RMS	34.3	-24.9	49.46	54	-4.54	-	-	260	109	V

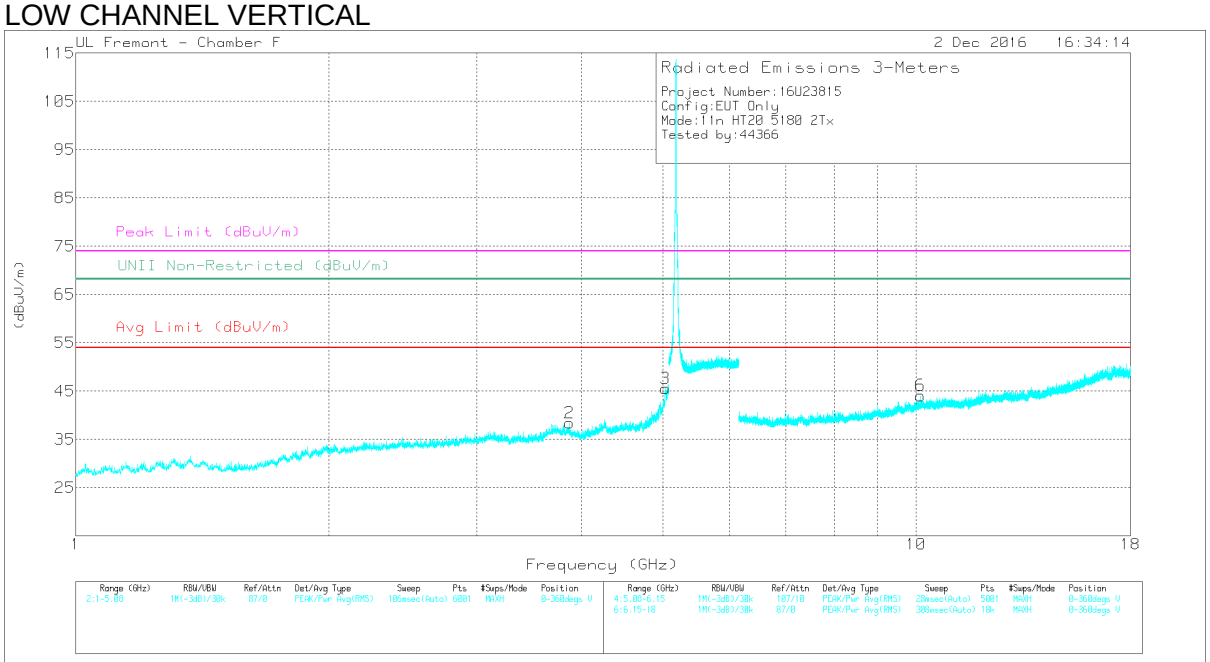
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



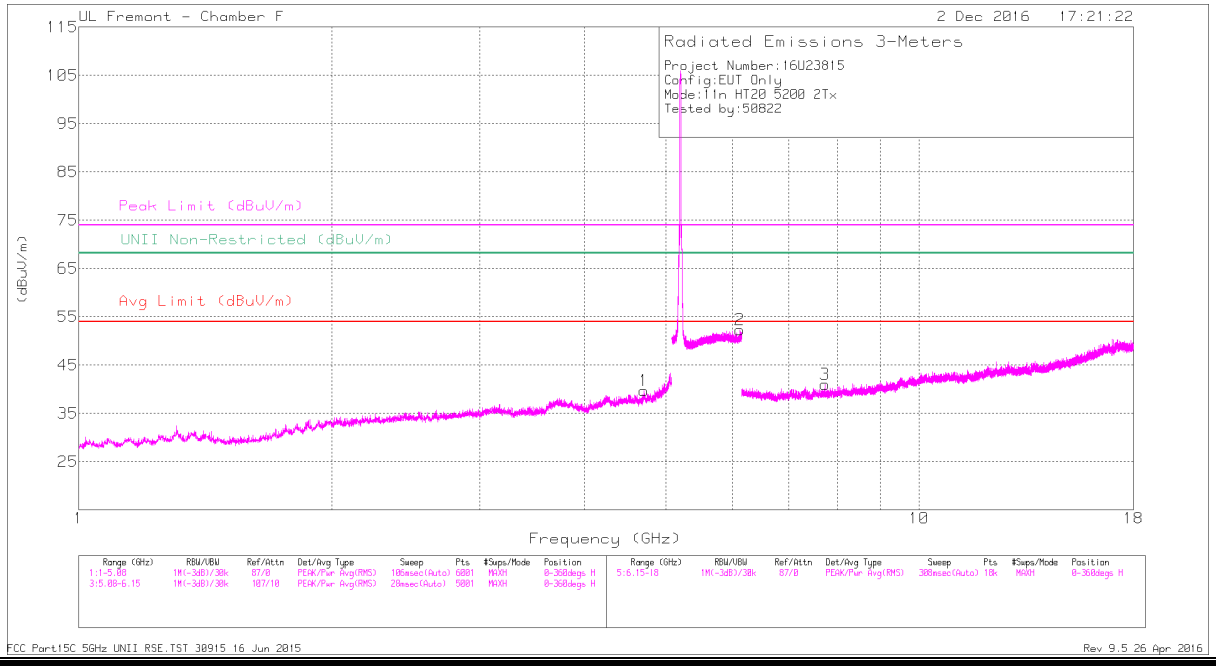
LOW CHANNEL VERTICAL



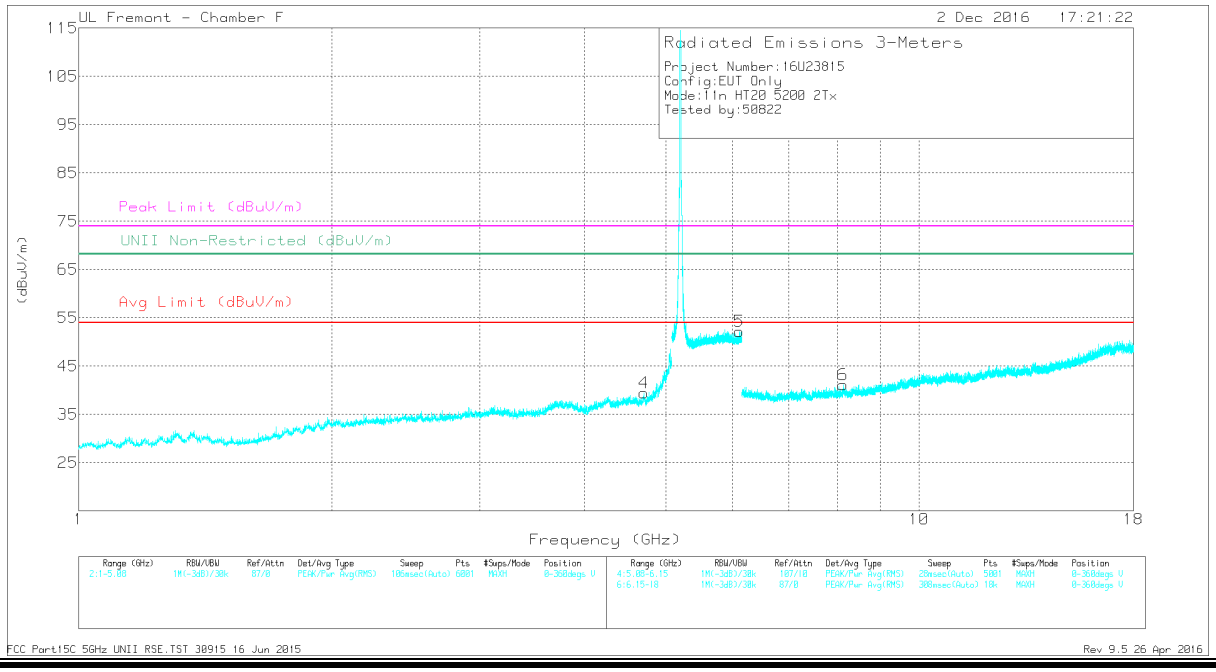
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl /Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.526	37.99	PK-U	34	-27.5	44.49	-	-	74	-29.51	-	-	143	153	H
	* 4.526	27.22	ADR	34	-27.5	33.72	54	-20.28	-	-	-	-	143	153	H
2	* 3.873	38.58	PK-U	33.4	-28.6	43.38	-	-	74	-30.62	-	-	356	205	V
	* 3.869	27.72	ADR	33.4	-28.6	32.52	54	-21.48	-	-	-	-	356	205	V
3	* 5.028	46.63	PK-U	34.2	-26.3	54.53	-	-	74	-19.47	-	-	89	105	V
	* 5.029	36.86	ADR	34.2	-26.3	44.76	54	-9.24	-	-	-	-	89	105	V
4	* 7.264	36.06	PK-U	35.5	-25.2	46.36	-	-	74	-27.64	-	-	69	311	H
	* 7.263	25.56	ADR	35.5	-25.2	35.86	54	-18.14	-	-	-	-	69	311	H
5	12.767	34.81	PK-U	39.3	-22.7	51.41	-	-	-	-	68.2	-16.79	42	187	H
6	10.118	33.91	PK-U	37.2	-21.6	49.51	-	-	-	-	68.2	-18.69	153	278	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average

MID CHANNEL HORIZONTAL



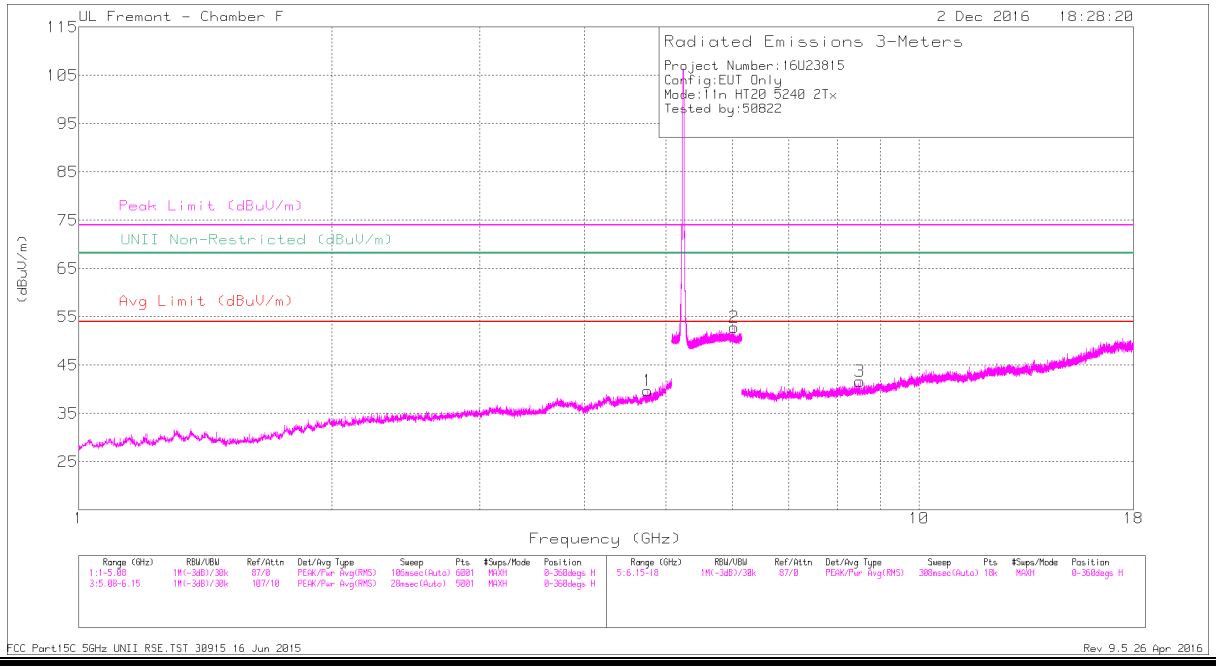
MID CHANNEL VERTICAL



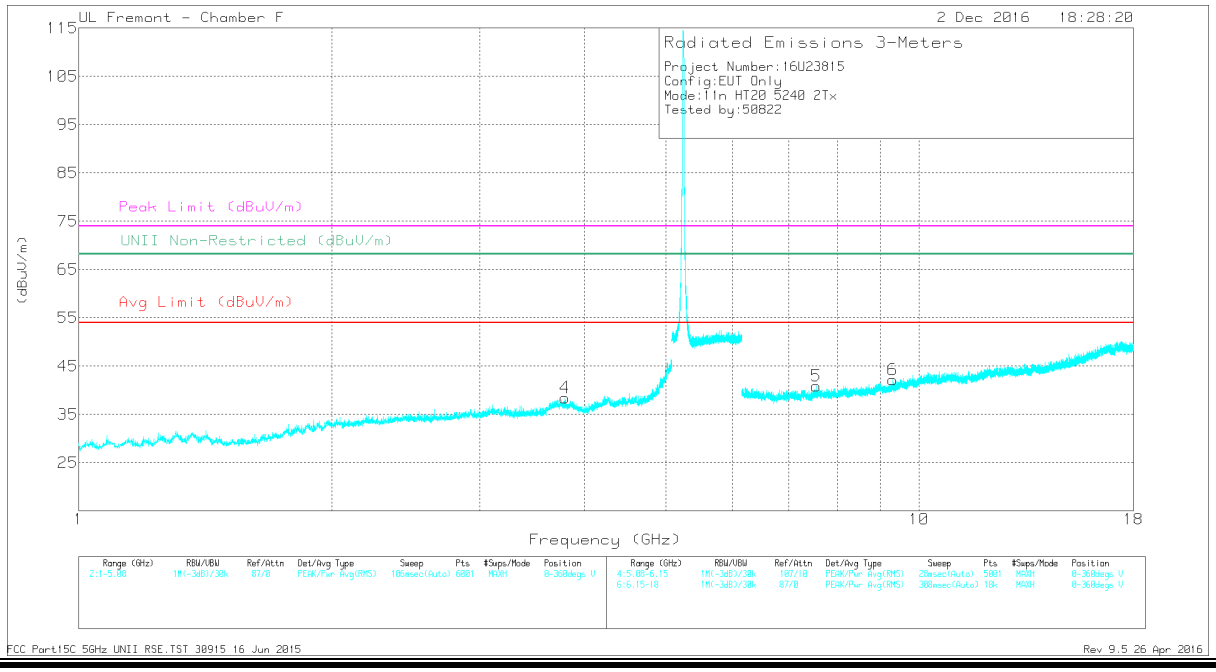
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.709	39.6	PK-U	34.2	-27.4	46.4	-	-	74	-27.6	-	-	330	360	H
	* 4.71	27.55	ADR	34.2	-27.4	34.35	54	-19.65	-	-	-	-	330	360	H
2	6.115	40.54	PK-U	35.5	-17.7	58.34	-	-	-	-	68.2	-9.86	79	111	H
3	* 7.735	36.17	PK-U	35.7	-26	45.87	-	-	74	-28.13	-	-	125	361	H
4	* 4.709	38.48	PK-U	34.2	-27.4	45.28	-	-	74	-28.72	-	-	117	274	V
	* 4.711	28.04	ADR	34.2	-27.4	34.84	54	-19.16	-	-	-	-	117	274	V
5	6.115	40.24	PK-U	35.5	-17.7	58.04	-	-	-	-	68.2	-10.16	169	396	V
	* 7.734	25.88	ADR	35.7	-26	35.58	54	-18.42	-	-	-	-	125	361	H
6	* 8.119	35.91	PK-U	35.7	-24.5	47.11	-	-	74	-26.89	-	-	24	268	V
	* 8.119	25.09	ADR	35.7	-24.6	36.19	54	-17.81	-	-	-	-	24	268	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



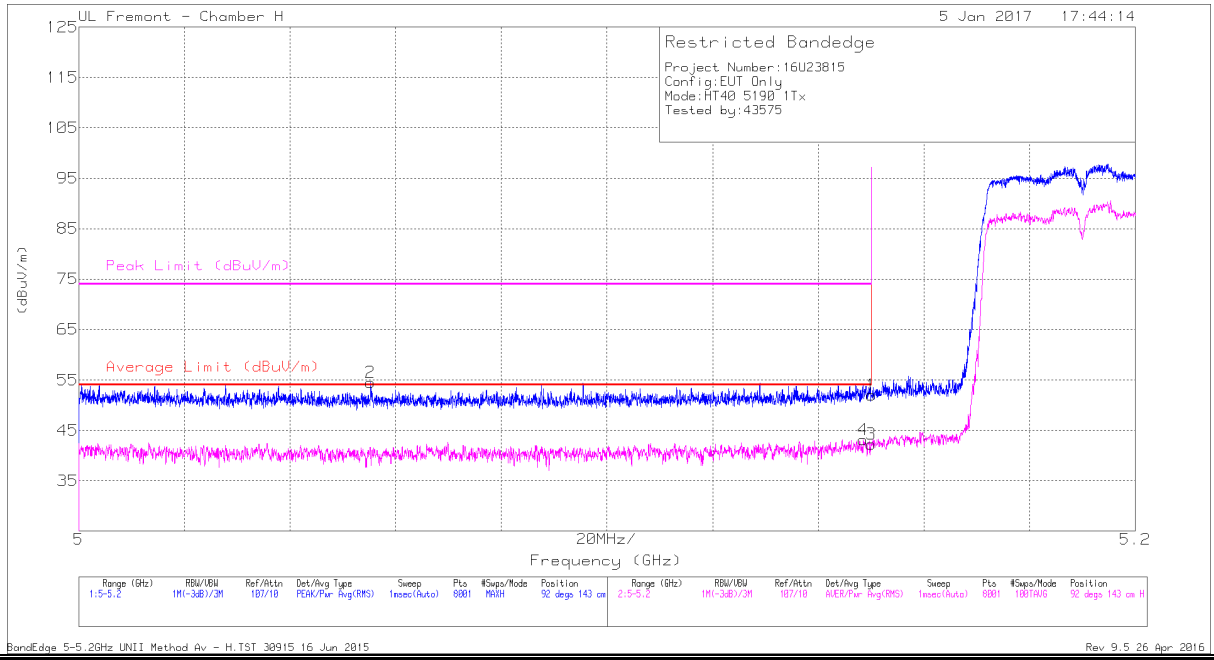
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.755	39.93	PK-U	34.1	-27.5	46.53	-	-	74	-27.47	-	-	103	120	H
	* 4.754	28.71	ADR	34.1	-27.5	35.31	54	-18.69	-	-	-	-	103	120	H
2	6.028	41.09	PK-U	35.5	-18.2	58.39	-	-	-	-	68.2	-9.81	350	360	H
3	8.506	35.76	PK-U	35.8	-24.4	47.16	-	-	-	-	68.2	-21.04	102	261	H
4	* 3.791	38.55	PK-U	33.4	-29.4	42.55	-	-	74	-31.45	-	-	162	380	V
	* 3.79	28.14	ADR	33.4	-29.4	32.14	54	-21.86	-	-	-	-	162	380	V
5	* 7.545	35.48	PK-U	35.6	-24.6	46.48	-	-	74	-27.52	-	-	8	257	V
	* 7.546	24.92	ADR	35.6	-24.6	35.92	54	-18.08	-	-	-	-	8	257	V
6	* 9.313	34.14	PK-U	36.3	-22.6	47.84	-	-	74	-26.16	-	-	312	282	V
	* 9.314	23.51	ADR	36.3	-22.6	37.21	54	-16.79	-	-	-	-	312	282	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average

9.2.4. 11n HT40 ANTENNA A SISO MODE IN THE 5.2GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

LOW CHANNEL HORIZONTAL

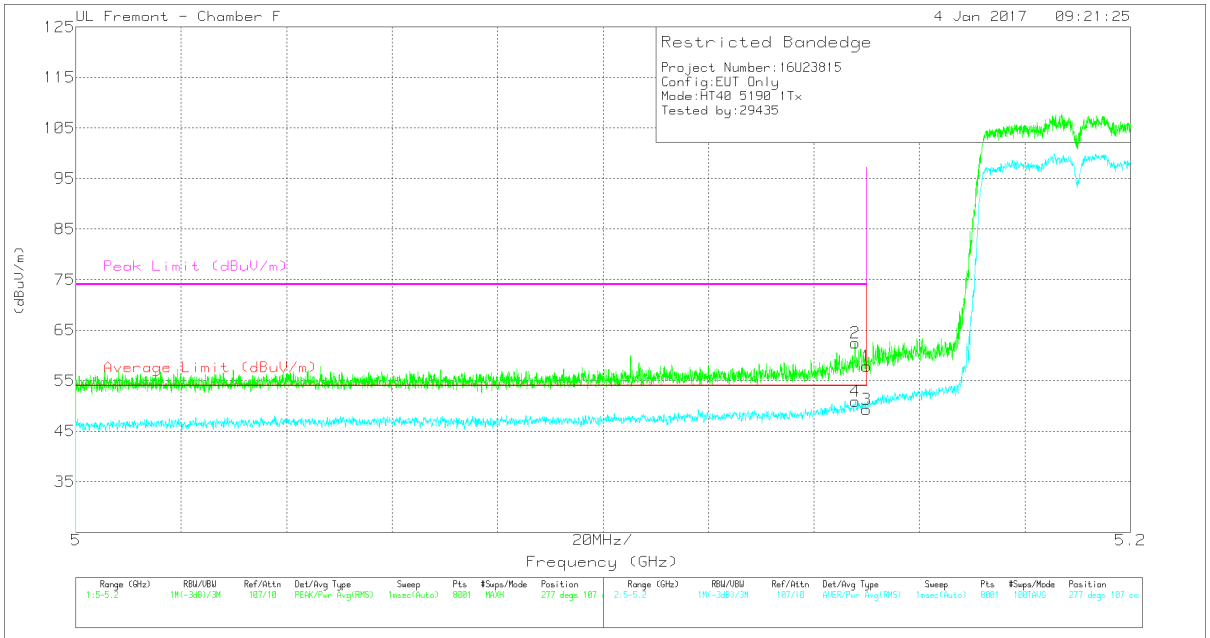


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	42.57	Pk	34.3	-24.9	0	51.97	-	-	74	-22.03	92	143	H
2	* 5.055	45.4	Pk	34.1	-25	0	54.5	-	-	74	-19.5	92	143	H
3	5.15	32.74	RMS	34.3	-24.9	.1	42.3	54	-11.7	-	-	92	143	H
4	* 5.149	33.61	RMS	34.3	-24.9	.1	43.17	54	-10.83	-	-	92	143	H

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

LOW CHANNEL VERTICAL



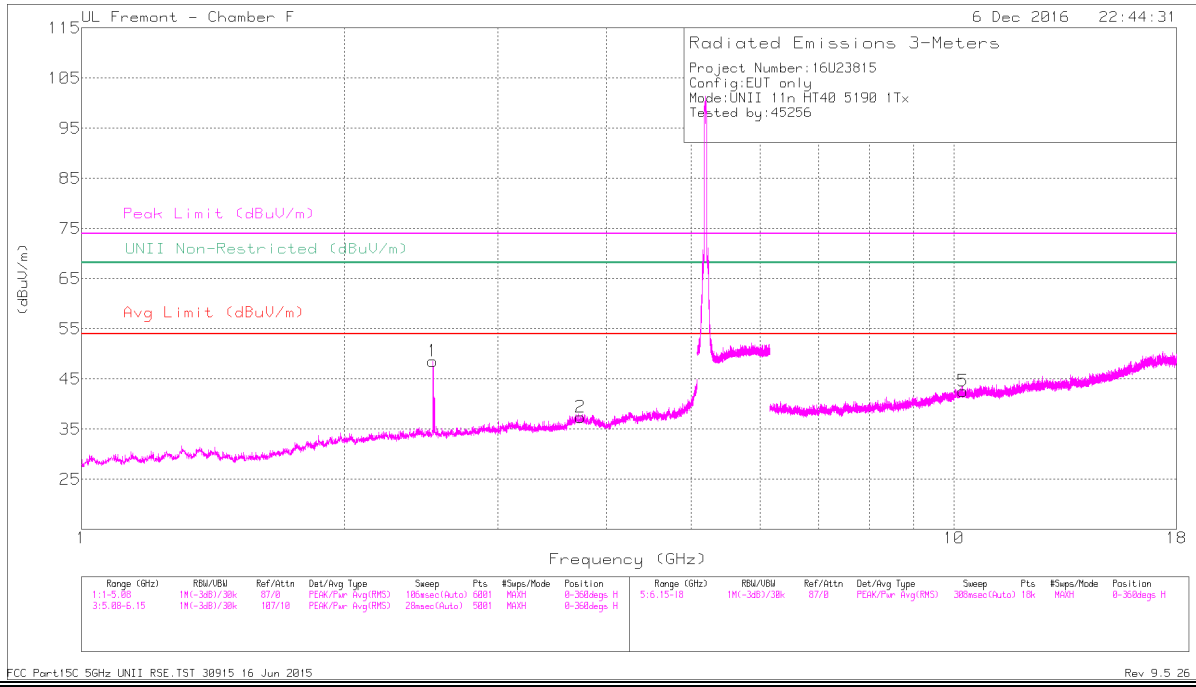
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	42.36	Pk	34.3	-18.8	0	57.86	-	-	74	-16.14	277	107	V
2	* 5.148	46.93	Pk	34.3	-18.8	0	62.43	-	-	74	-11.57	277	107	V
3	5.15	33.63	RMS	34.3	-18.8	.13	49.26	54	-4.74	-	-	277	107	V
4	* 5.148	35.31	RMS	34.3	-18.8	.13	50.94	54	-3.06	-	-	277	107	V

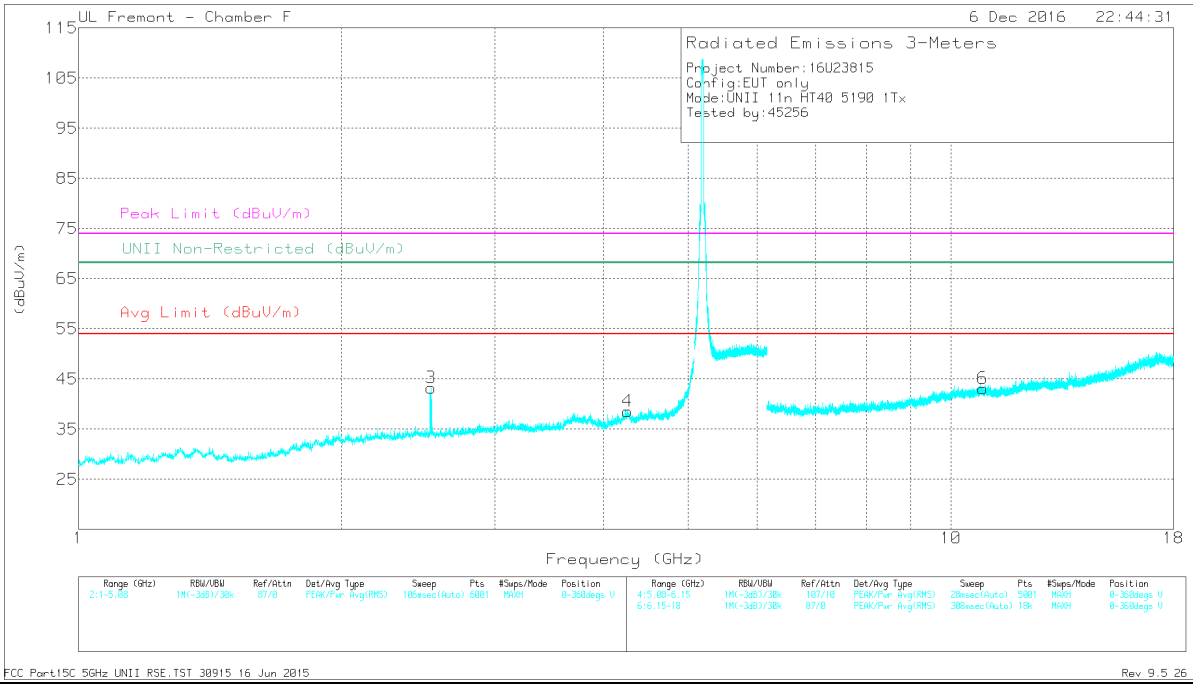
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection
BandEdge 5-5.2GHz UNII Method Av - V.TST 30915 16 Jun 2015
Rev 9.5 26 Apr 2016

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



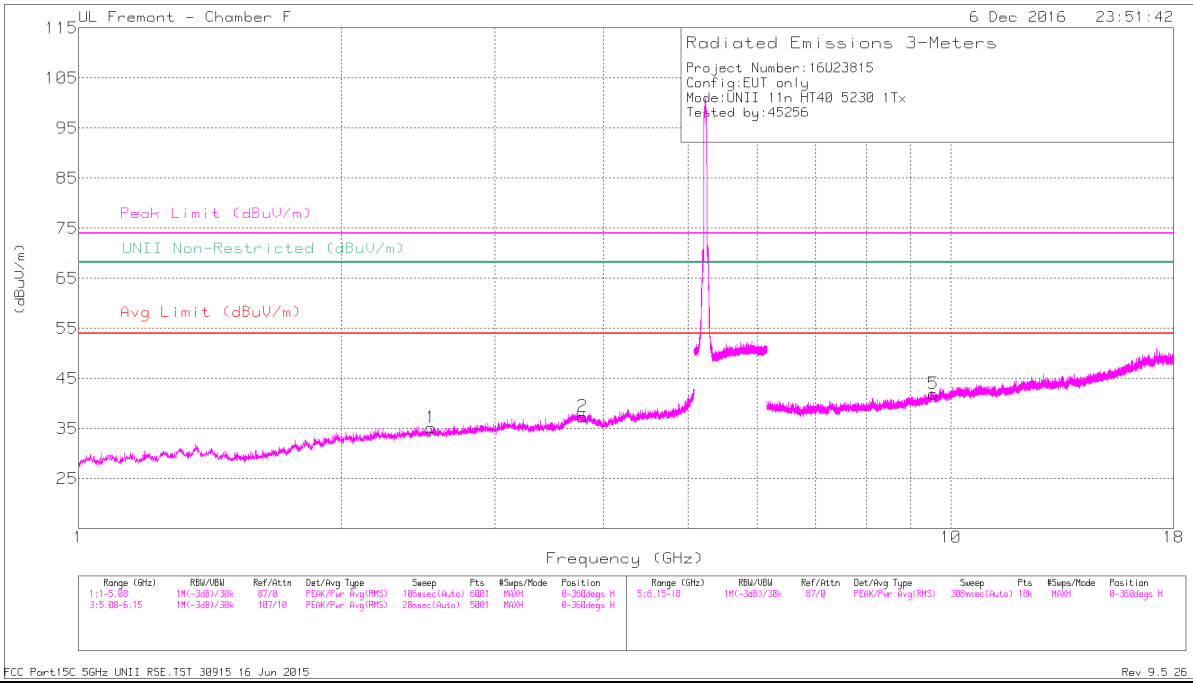
LOW CHANNEL VERTICAL



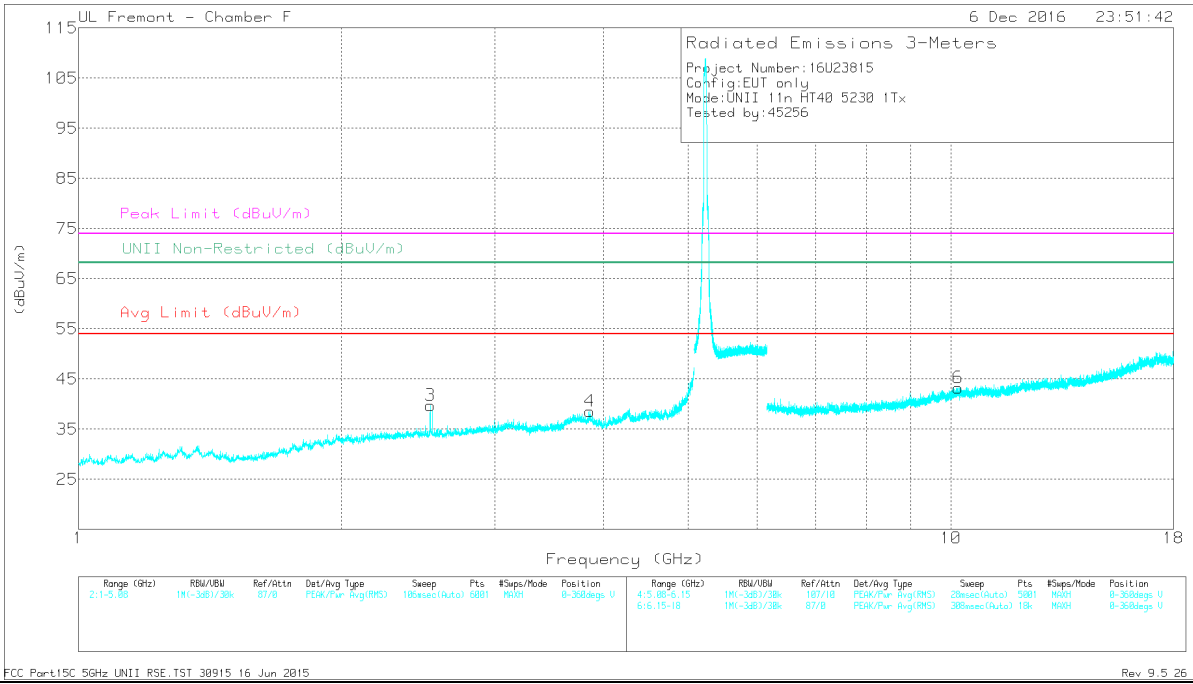
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.53	47.69	PK-U	32.3	-30.6	0	49.39	-	-	-	-	68.2	-18.81	137	268	H
2	* 3.731	38.49	PK-U	33.4	-29.2	0	42.69	-	-	74	-31.31	-	-	7	239	H
	* 3.729	27.89	ADR	33.4	-29.2	.1	32.19	54	-21.81	-	-	-	-	7	239	H
3	2.536	43.73	PK-U	32.2	-30.5	0	45.43	-	-	-	-	68.2	-22.77	43	186	V
4	* 4.263	38.03	PK-U	33.7	-26.4	0	45.33	-	-	74	-28.67	-	-	241	103	V
	* 4.262	26.62	ADR	33.7	-26.4	.1	34.02	54	-19.98	-	-	-	-	241	103	V
5	10.251	33.83	PK-U	37.2	-21.9	0	49.13	-	-	-	-	68.2	-19.07	45	151	H
6	* 10.878	33.78	PK-U	37.8	-22.2	0	49.38	-	-	74	-24.62	-	-	77	300	V
	* 10.88	23.06	ADR	37.8	-22.2	.1	38.76	54	-15.24	-	-	-	-	77	300	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL

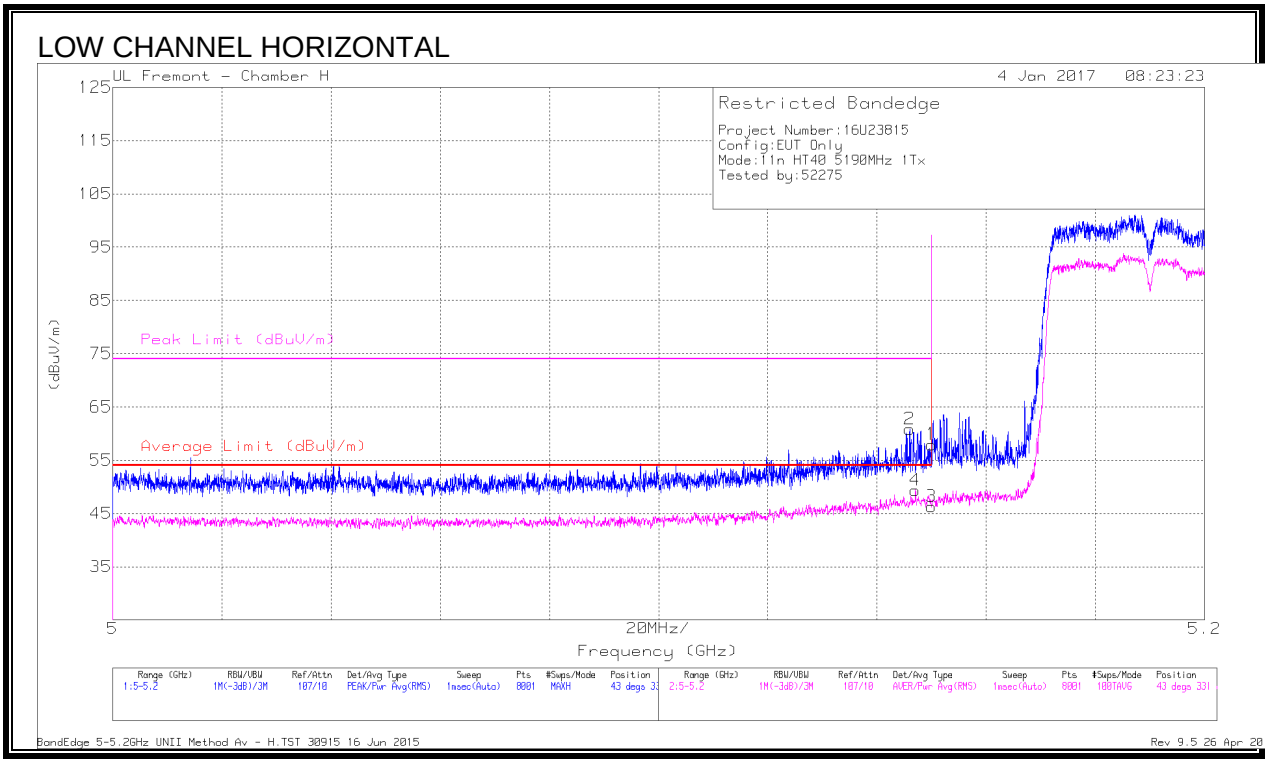


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl /Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.535	44.01	PK-U	32.2	-30.5	0	45.71	-	-	-	-	68.2	-22.49	207	209	H
2	* 3.785	38.1	PK-U	33.4	-29.4	0	42.1	-	-	74	-31.9	-	-	131	228	H
	* 3.784	28.13	ADR	33.4	-29.4	.1	32.23	54	-21.77	-	-	-	-	131	228	H
3	2.53	52.67	PK-U	32.3	-30.6	0	54.37	-	-	-	-	68.2	-13.83	182	125	V
4	* 3.858	39.38	PK-U	33.4	-28.4	0	44.38	-	-	74	-29.62	-	-	2	182	V
	* 3.859	27.87	ADR	33.4	-28.4	.1	32.97	54	-21.03	-	-	-	-	2	182	V
5	9.55	33.8	PK-U	36.5	-21.5	0	48.8	-	-	-	-	68.2	-19.4	289	151	H
6	10.192	33.51	PK-U	37.2	-21.5	0	49.21	-	-	-	-	68.2	-18.99	51	243	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average

9.2.5. 11n HT40 ANTENNA B SISO MODE IN THE 5.2GHz BAND

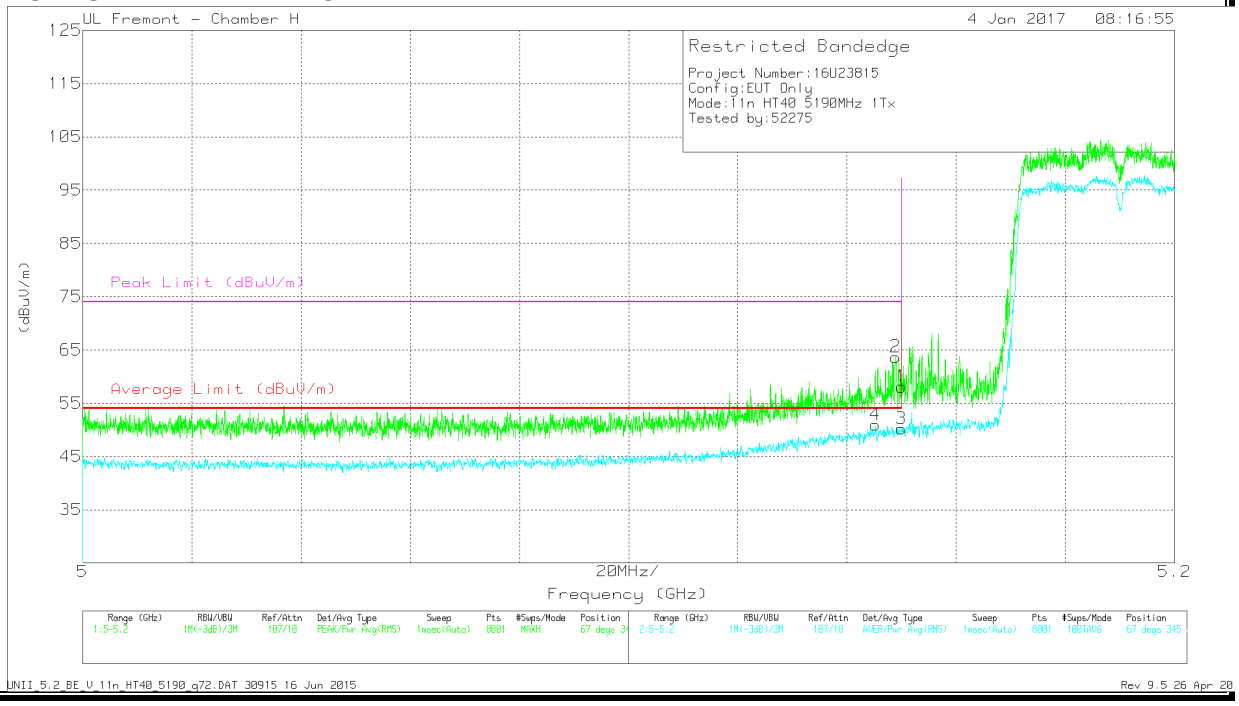
RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	48.55	Pk	34.3	-24.9	0	57.95	-	-	74	-16.05	43	331	H
2	* 5.146	51.3	Pk	34.3	-24.8	0	60.8	-	-	74	-13.2	43	331	H
3	5.15	36.87	RMS	34.3	-24.9	.1	46.4	54	-7.6	-	-	43	331	H
4	* 5.147	39.94	RMS	34.3	-24.9	.1	49.5	54	-4.5	-	-	43	331	H

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

LOW CHANNEL VERTICAL

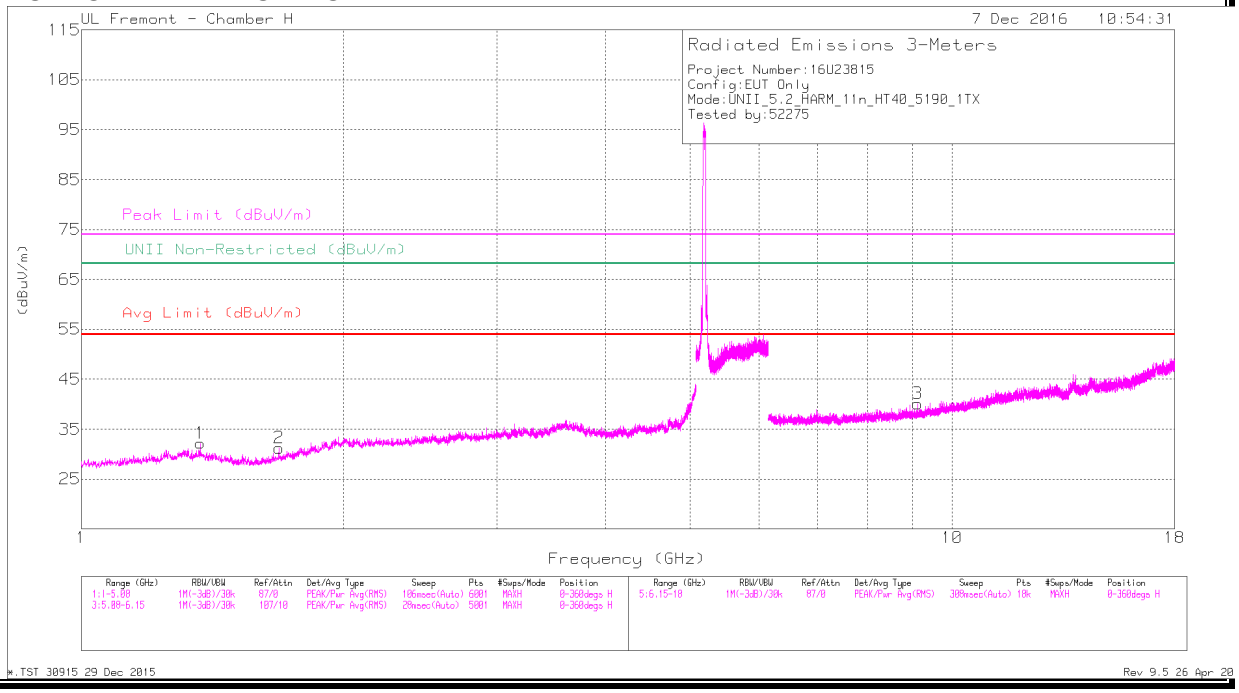


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	48.71	Pk	34.3	-24.9	0	58.11	-	-	74	-15.89	67	345	V
2	* 5.149	54.27	Pk	34.3	-24.9	0	63.67	-	-	74	-10.33	67	345	V
3	5.15	40.68	RMS	34.3	-24.9	.1	50.18	54	-3.82	-	-	67	345	V
4	* 5.145	41.29	RMS	34.3	-24.8	.1	50.89	54	-3.11	-	-	67	345	V

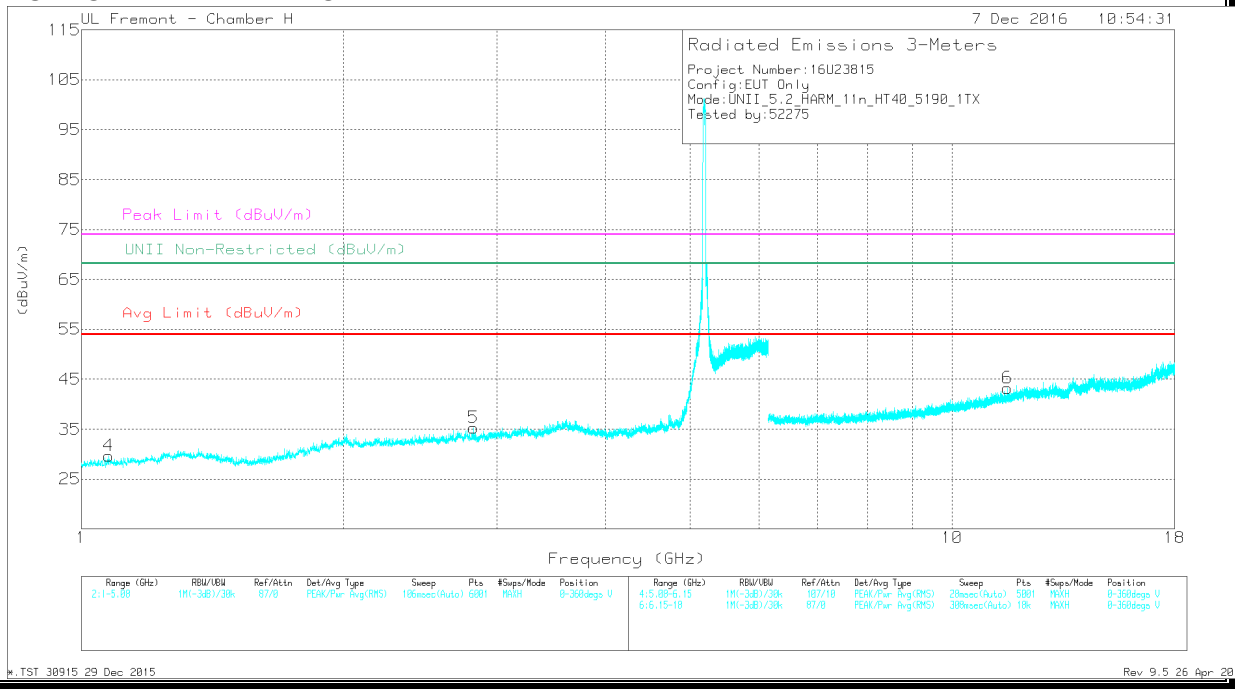
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



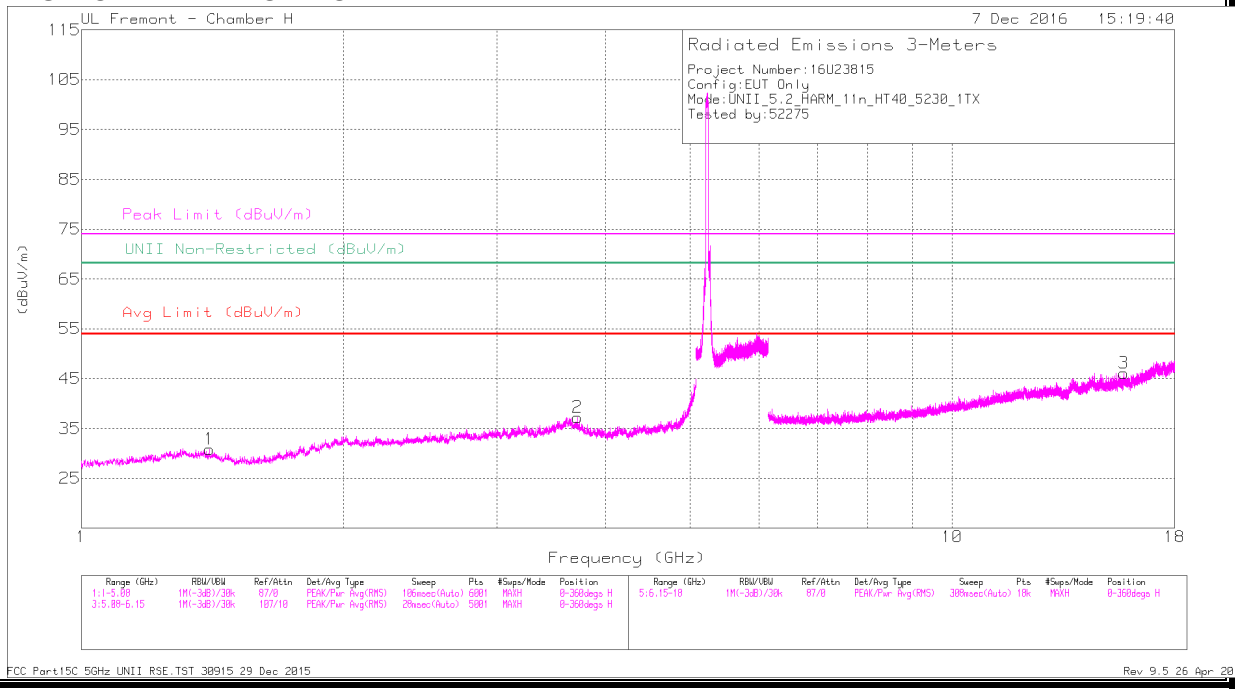
LOW CHANNEL VERTICAL



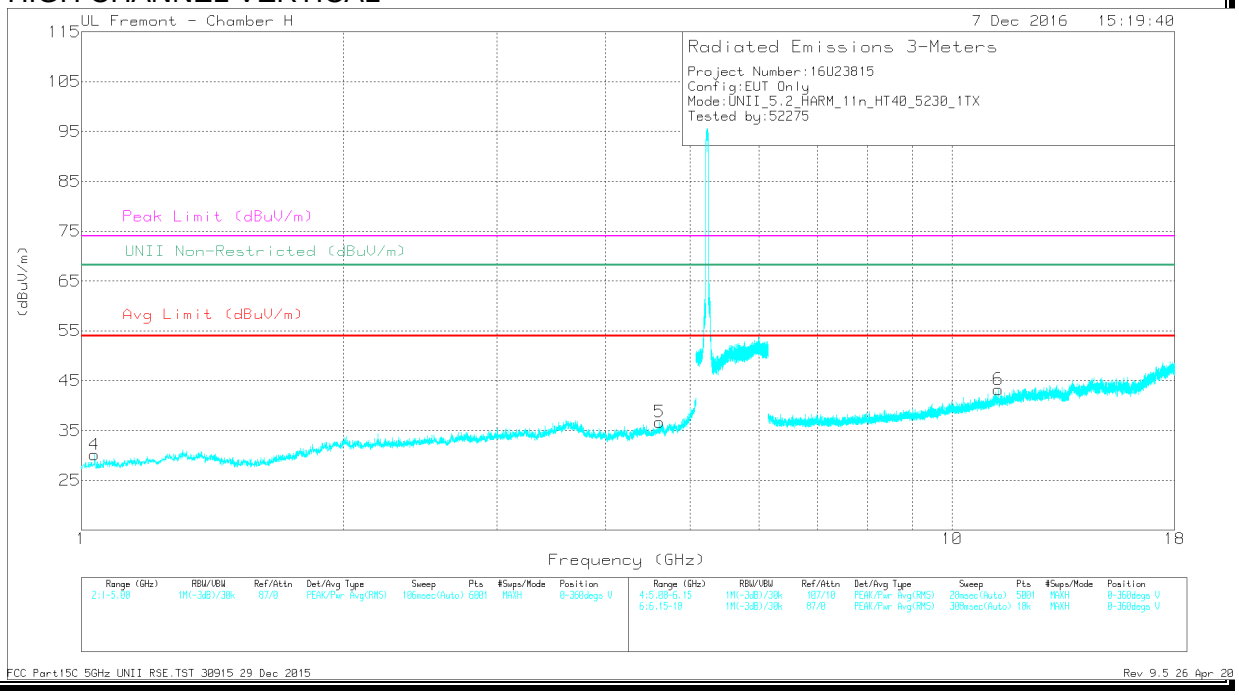
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.368	45.81	PK-U	29.5	-37.5	0	37.81	-	-	74	-36.19	-	-	223	323	H
	* 1.368	34.44	ADR	29.5	-37.5	.1	26.54	54	-27.46	-	-	-	-	223	323	H
2	* 1.687	46.62	PK-U	28.6	-37.8	0	37.42	-	-	74	-36.58	-	-	304	225	H
	* 1.687	35.19	ADR	28.6	-37.8	.1	26.09	54	-27.91	-	-	-	-	304	225	H
4	* 1.076	45.65	PK-U	27.8	-37	0	36.45	-	-	74	-37.55	-	-	83	209	V
	* 1.074	34.08	ADR	27.8	-37	.1	24.98	54	-29.02	-	-	-	-	83	209	V
5	* 2.818	47.15	PK-U	32.7	-37.7	0	42.15	-	-	74	-31.85	-	-	2	305	V
	* 2.821	34.99	ADR	32.7	-37.7	.1	30.09	54	-23.91	-	-	-	-	2	305	V
3	* 9.124	38.96	PK-U	36.3	-28.9	0	46.36	-	-	74	-27.64	-	-	144	288	H
	* 9.124	27.16	ADR	36.3	-28.9	.1	35.66	54	-19.34	-	-	-	-	144	288	H
6	* 11.573	36.78	PK-U	38.9	-26.8	0	48.88	-	-	74	-25.12	-	-	305	205	V
	* 11.574	25.28	ADR	38.9	-26.8	.1	38.48	54	-16.52	-	-	-	-	305	205	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL

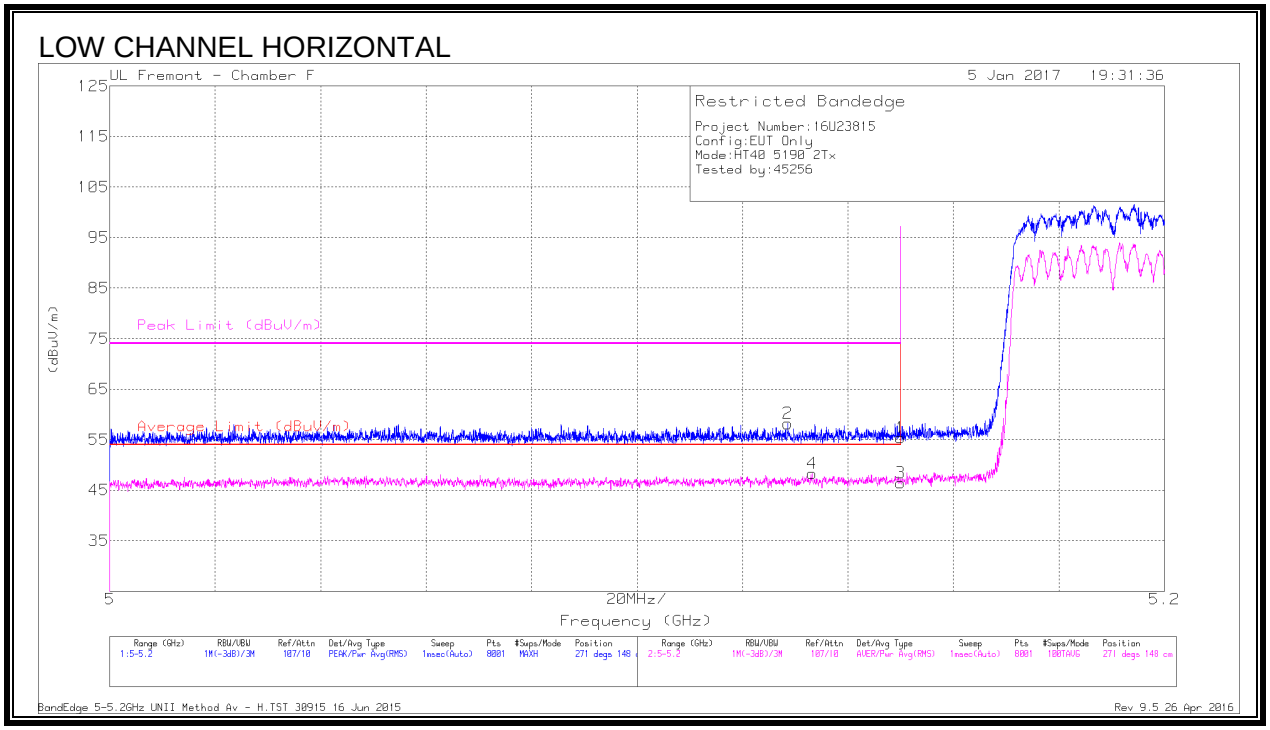


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.404	45.28	PK-U	29.2	-37.5	0	36.98	-	-	74	-37.02	-	-	140	160	H
	* 1.405	34.42	ADR	29.2	-37.5	.1	26.22	54	-27.78	-	-	-	-	140	160	H
2	* 3.713	44.36	PK-U	34.8	-36	0	43.16	-	-	74	-30.84	-	-	246	304	H
	* 3.714	33.21	ADR	34.8	-36	.1	32.11	54	-21.89	-	-	-	-	246	304	H
4	* 1.036	45.54	PK-U	27.7	-36.9	0	36.34	-	-	74	-37.66	-	-	125	165	V
	* 1.036	33.82	ADR	27.7	-36.9	.1	24.72	54	-29.38	-	-	-	-	125	165	V
5	* 4.611	43.49	PK-U	34	-34.6	0	42.89	-	-	74	-31.11	-	-	115	312	V
	* 4.61	32.41	ADR	34	-34.6	.1	31.91	54	-22.09	-	-	-	-	115	312	V
3	* 15.728	36.7	PK-U	40.3	-24.3	0	52.7	-	-	74	-21.3	-	-	54	100	H
	* 15.728	24.96	ADR	40.3	-24.3	.1	41.06	54	-12.94	-	-	-	-	54	100	H
6	* 11.299	37.26	PK-U	38.6	-27	0	48.86	-	-	74	-25.14	-	-	196	146	V
	* 11.299	25.72	ADR	38.6	-27	.1	37.42	54	-16.58	-	-	-	-	196	146	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average

9.2.6. 11n HT40 2TX CDD MIMO MODE IN THE 5.2GHz BAND

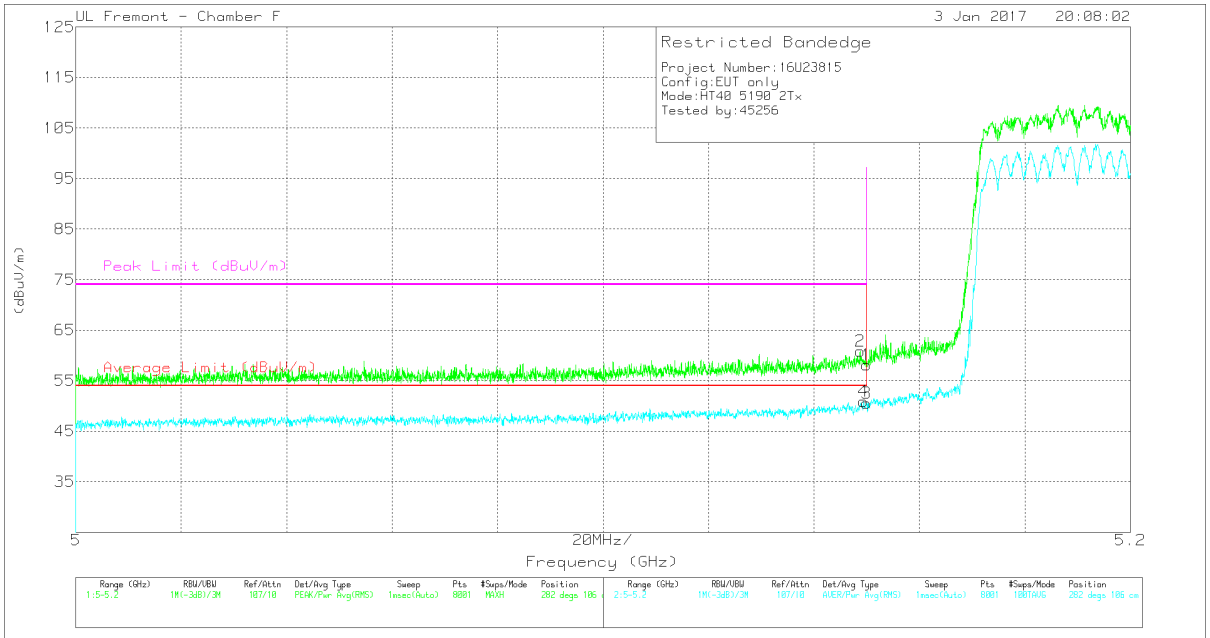
RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/ Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	39.89	Pk	34.3	-18.8	0	55.39	-	-	74	-18.61	271	148	H
2	* 5.129	42.78	Pk	34.2	-18.8	0	58.18	-	-	74	-15.82	271	148	H
3	5.15	30.85	RMS	34.3	-18.8	.1	46.45	54	-7.55	-	-	271	148	H
4	* 5.133	32.83	RMS	34.2	-18.8	.1	48.33	54	-5.67	-	-	271	148	H

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

LOW CHANNEL VERTICAL

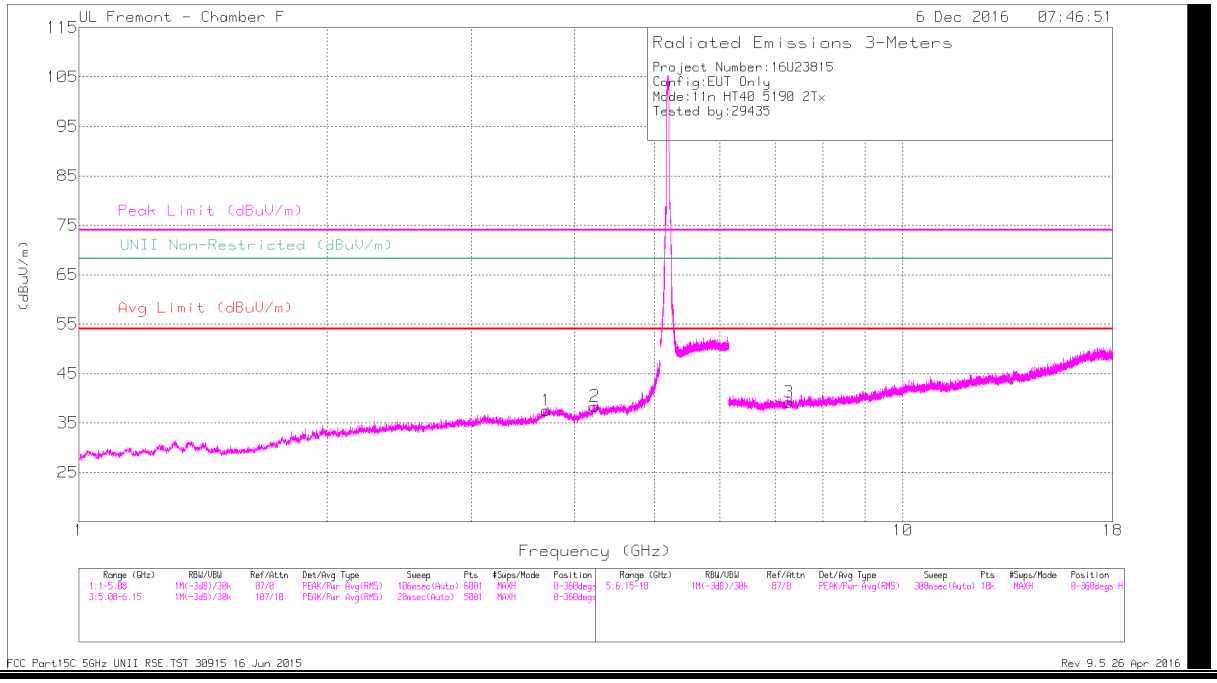


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/ Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	42.66	Pk	34.3	-18.8	0	58.16	-	-	74	-15.84	282	106	V
2	* 5.149	45.4	Pk	34.3	-18.8	0	60.9	-	-	74	-13.1	282	106	V
3	5.15	34.89	RMS	34.3	-18.8	.1	50.49	54	-3.51	-	-	282	106	V
4	* 5.149	35.26	RMS	34.3	-18.8	.1	50.86	54	-3.14	-	-	282	106	V

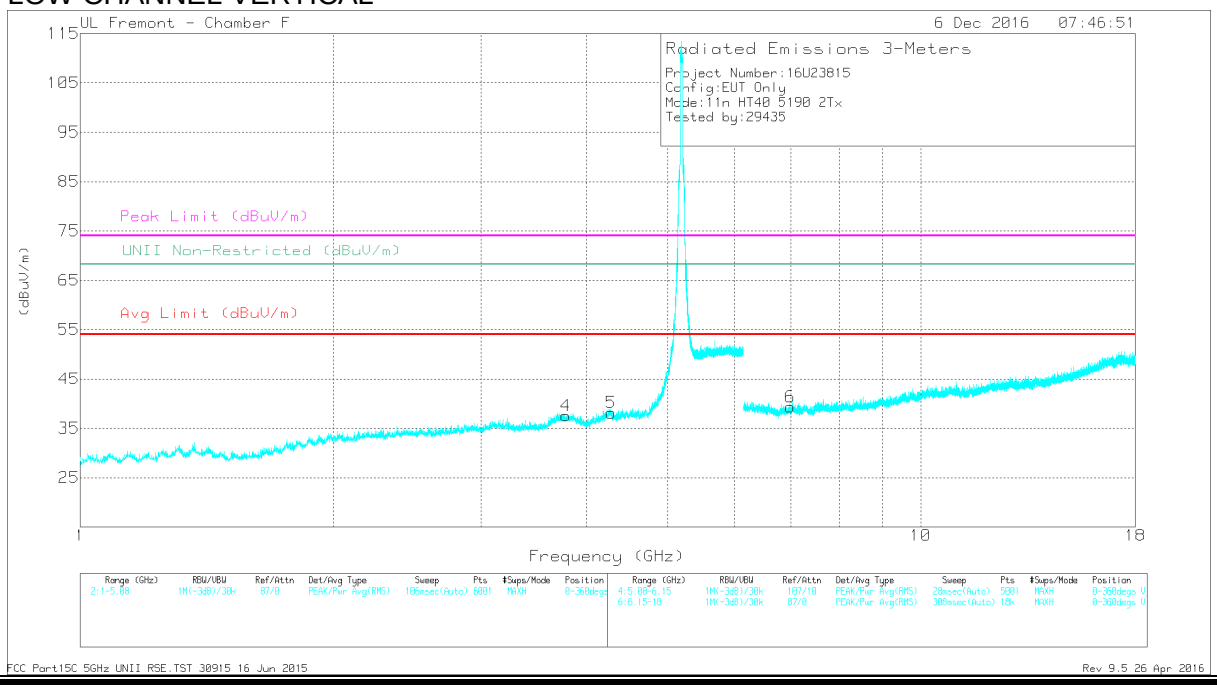
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



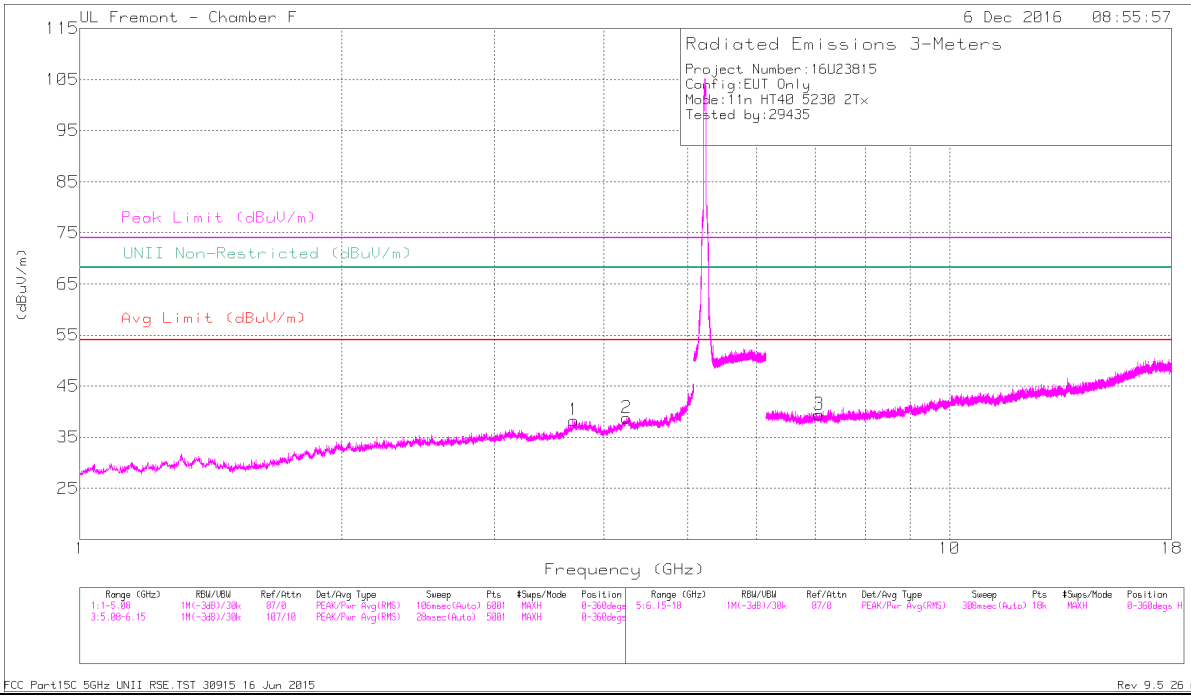
LOW CHANNEL VERTICAL



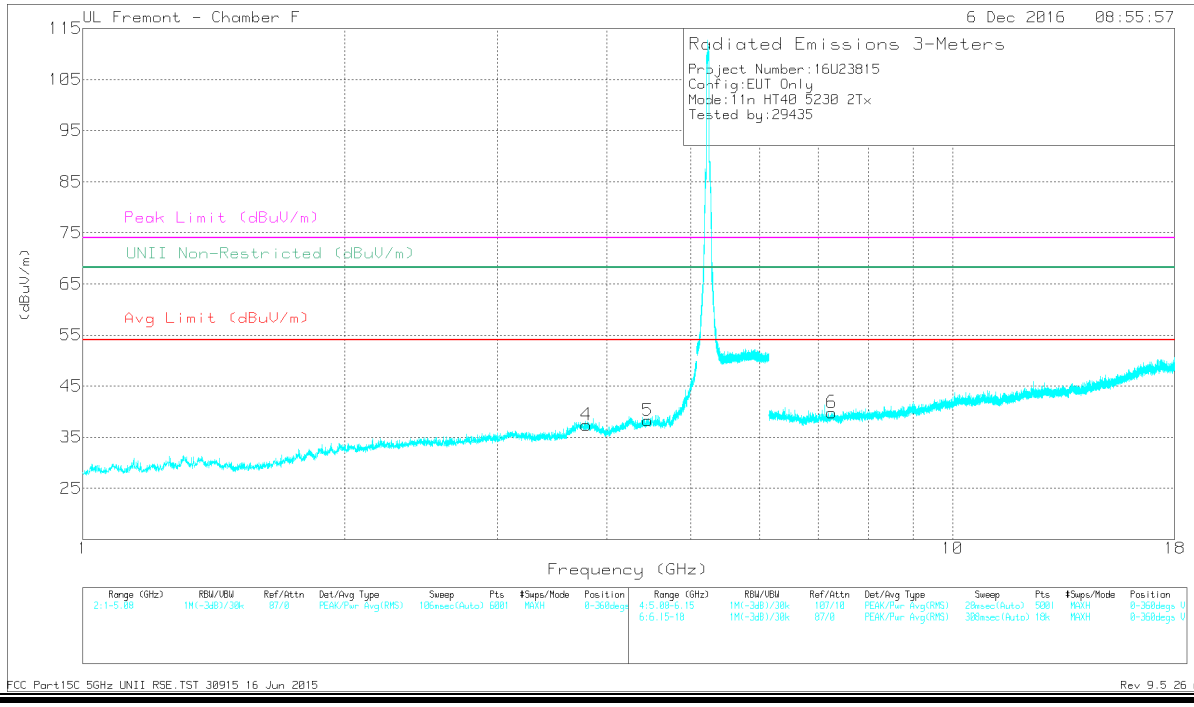
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.696	38.55	PK-U	33.3	-28.9	0	42.95	-	-	74	-31.05	-	-	51	232	H
	* 3.698	28.02	ADR	33.3	-28.9	.1	32.52	54	-21.48	-	-	-	-	51	232	H
2	* 4.229	37.35	PK-U	33.7	-27.1	0	43.95	-	-	74	-30.05	-	-	228	343	H
	* 4.229	26.7	ADR	33.7	-27.1	.1	33.40	54	-20.60	-	-	-	-	228	343	H
4	* 3.785	39.44	PK-U	33.4	-29.4	0	43.44	-	-	74	-30.56	-	-	87	183	V
	* 3.783	28.04	ADR	33.4	-29.4	.1	32.14	54	-21.86	-	-	-	-	87	183	V
5	* 4.28	37.41	PK-U	33.7	-26.8	0	44.31	-	-	74	-29.69	-	-	220	105	V
	* 4.282	26.81	ADR	33.7	-26.9	.1	33.71	54	-20.29	-	-	-	-	220	105	V
3	* 7.278	35.76	PK-U	35.5	-25.2	0	46.06	-	-	74	-27.94	-	-	8	356	H
	* 7.277	25.19	ADR	35.5	-25.2	.1	35.59	54	-18.41	-	-	-	-	8	356	H
6	6.996	29.8	Pk	35.6	-26.1	0	39.3	-	-	-	-	68.2	-28.9	0-360	100	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



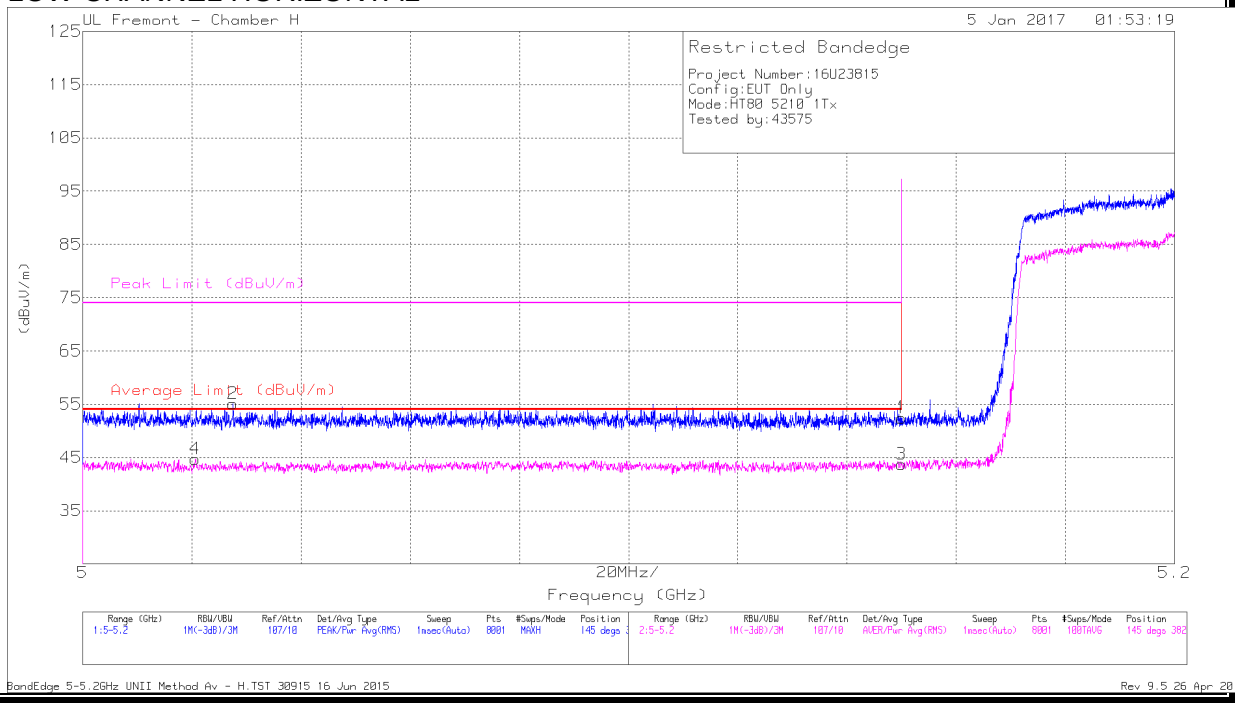
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.696	38.87	PK-U	33.3	-28.9	0	43.27	-	-	74	-30.73	-	-	163	398	H
	* 3.696	28.09	ADR	33.3	-28.9	.1	32.59	54	-21.41	-	-	-	-	163	398	H
2	* 4.248	37.24	PK-U	33.7	-26.6	0	44.34	-	-	74	-29.66	-	-	109	268	H
	* 4.25	26.76	ADR	33.7	-26.5	.1	34.06	54	-19.94	-	-	-	-	109	268	H
4	* 3.79	39.05	PK-U	33.4	-29.4	0	43.05	-	-	74	-30.95	-	-	100	171	V
	* 3.791	28.27	ADR	33.4	-29.4	.1	32.37	54	-21.63	-	-	-	-	100	171	V
5	4.461	31.35	Pk	34	-27.1	0	38.25	-	-	-	-	68.2	-29.95	0-360	100	V
3	7.078	29.85	Pk	35.6	-26	0	39.45	-	-	-	-	68.2	-28.75	0-360	100	H
6	* 7.26	36.79	PK-U	35.5	-25.4	0	46.89	-	-	74	-27.11	-	-	153	278	V
	* 7.261	25.64	ADR	35.5	-25.3	.1	35.94	54	-18.06	-	-	-	-	153	278	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average

9.2.7. 11ac HT80 ANTENNA A SISO MODE IN THE 5.2GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

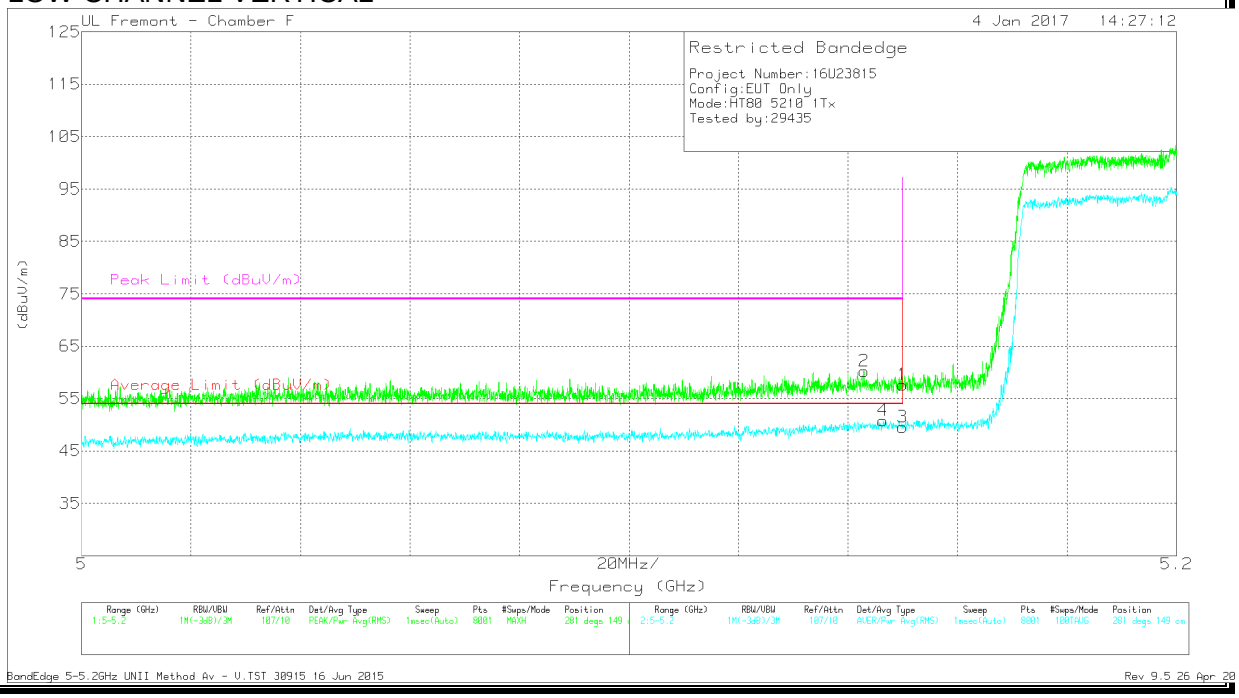
LOW CHANNEL HORIZONTAL



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	43.02	Pk	34.3	-24.9	0	52.42	-	-	74	-21.58	145	382	H
2	* 5.028	45.88	Pk	34.1	-24.9	0	55.08	-	-	74	-18.92	145	382	H
3	5.15	34.11	RMS	34.3	-24.9	.19	43.72	54	-10.28	-	-	145	382	H
4	* 5.021	35.11	RMS	34.1	-24.7	.19	44.72	54	-9.28	-	-	145	382	H

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

LOW CHANNEL VERTICAL

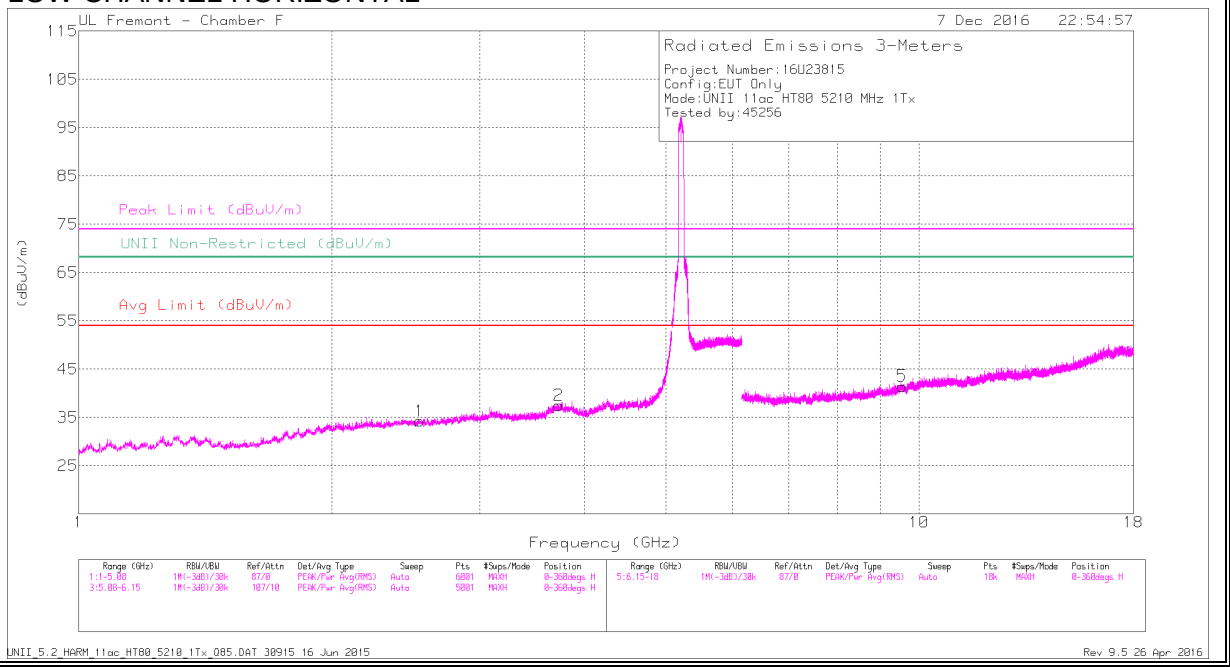


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	42.09	Pk	34.3	-18.8	0	57.59	-	-	74	-16.41	281	149	V
2	* 5.143	44.72	Pk	34.2	-18.7	0	60.22	-	-	74	-13.78	281	149	V
3	5.15	33.85	RMS	34.3	-18.8	.19	49.54	54	-4.46	-	-	281	149	V
4	* 5.146	35.1	RMS	34.3	-18.8	.19	50.79	54	-3.21	-	-	281	149	V

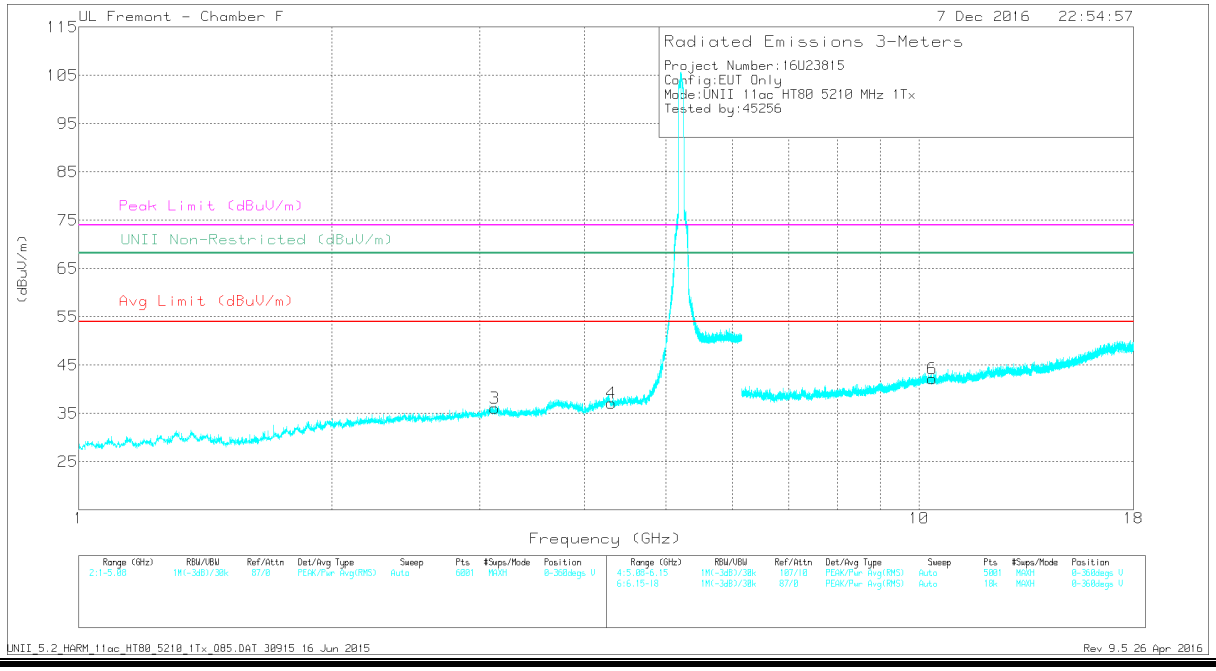
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL

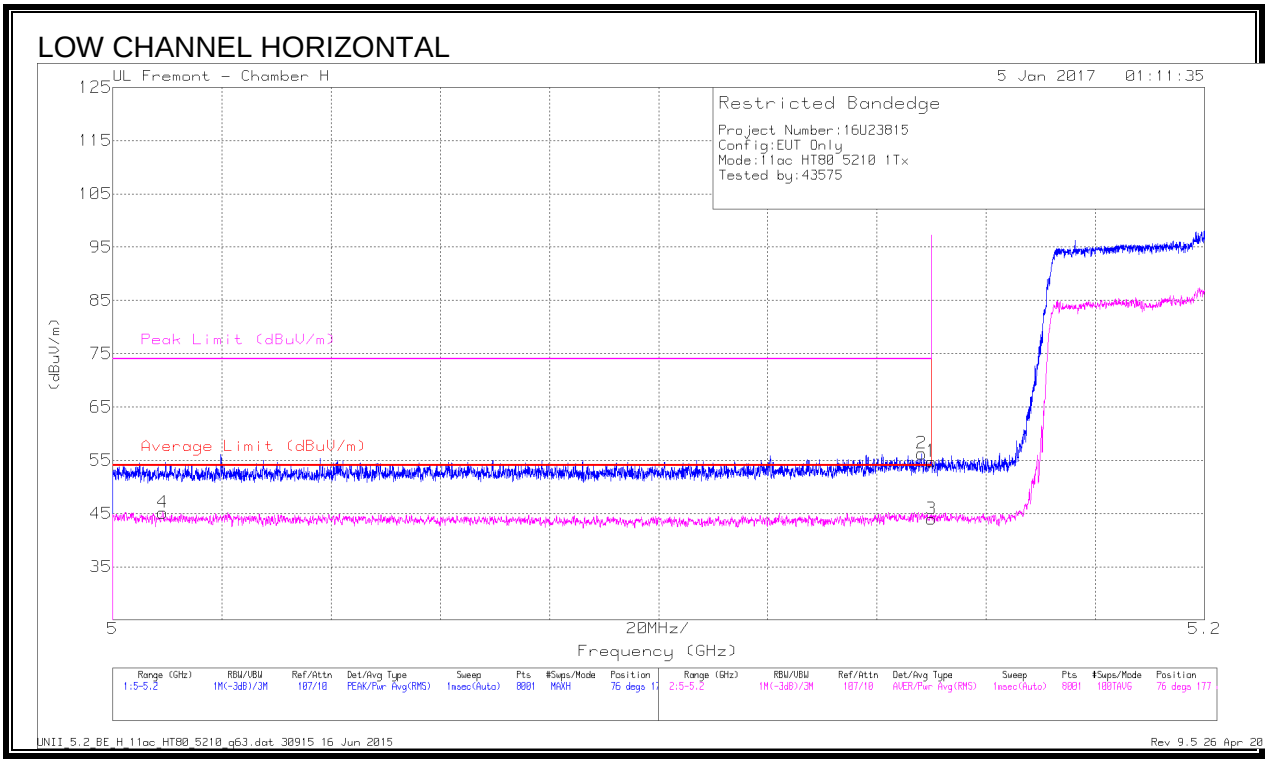


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.544	40.64	PK-U	32.2	-30.4	0	42.44	-	-	-	-	68.2	-25.76	187	111	H
2	* 3.727	38.66	PK-U	33.4	-29.2	0	42.86	-	-	74	-31.14	-	-	122	334	H
	* 3.729	27.95	ADR	33.4	-29.2	.19	32.34	54	-21.66	-	-	-	-	122	334	H
3	3.128	39.39	PK-U	33.2	-29.3	0	43.29	-	-	-	-	68.2	-24.91	150	362	V
4	* 4.304	37.18	PK-U	33.7	-27.8	0	43.08	-	-	74	-30.92	-	-	146	189	V
	* 4.302	27	ADR	33.7	-27.8	.19	33.09	54	-20.91	-	-	-	-	146	189	V
5	9.55	33.36	PK-U	36.5	-21.5	0	48.36	-	-	-	-	68.2	-19.84	2	200	H
6	10.374	33.33	PK-U	37.3	-21.7	0	48.93	-	-	-	-	68.2	-19.27	227	245	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average

9.2.8. 11ac HT80 ANTENNA B SISO MODE IN THE 5.2GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

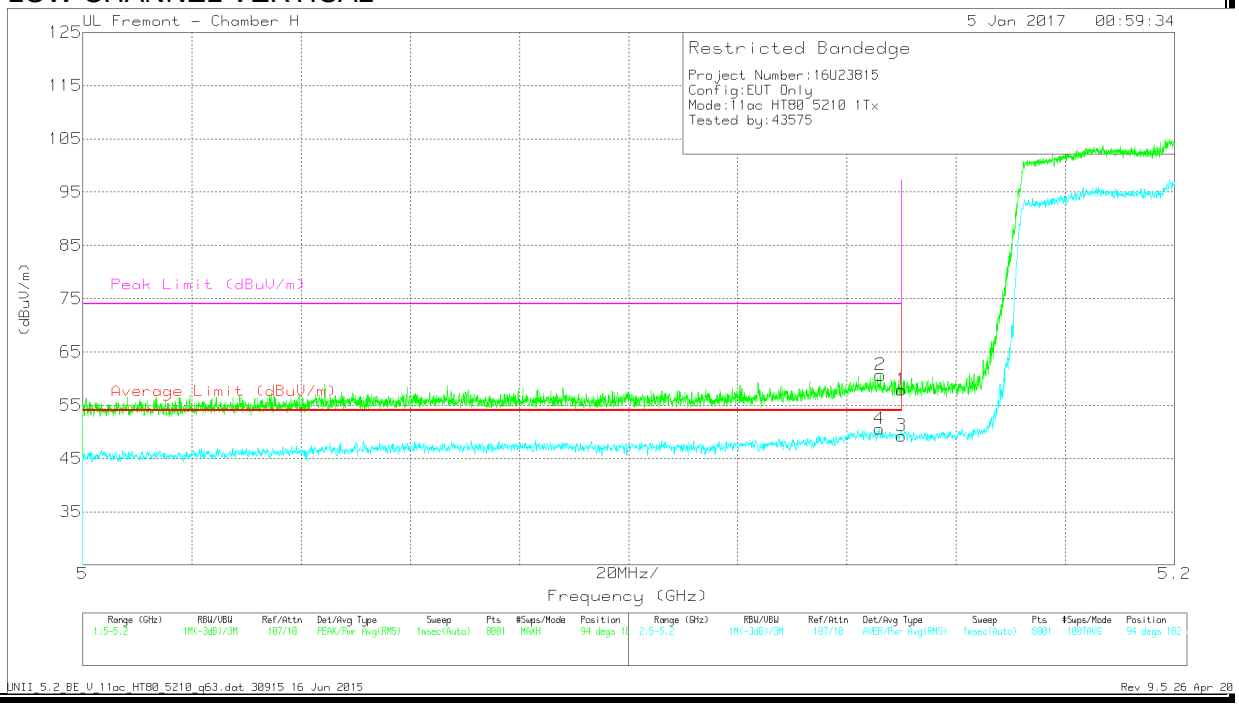


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	45.35	Pk	34.3	-24.9	0	54.75	-	-	74	-19.25	76	177	H
2	* 5.148	46.86	Pk	34.3	-24.9	0	56.26	-	-	74	-17.74	76	177	H
3	5.15	34.58	RMS	34.3	-24.9	.19	44.17	54	-9.83	-	-	76	177	H
4	* 5.009	35.85	RMS	34.1	-24.8	.19	45.34	54	-8.66	-	-	76	177	H

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

LOW CHANNEL VERTICAL



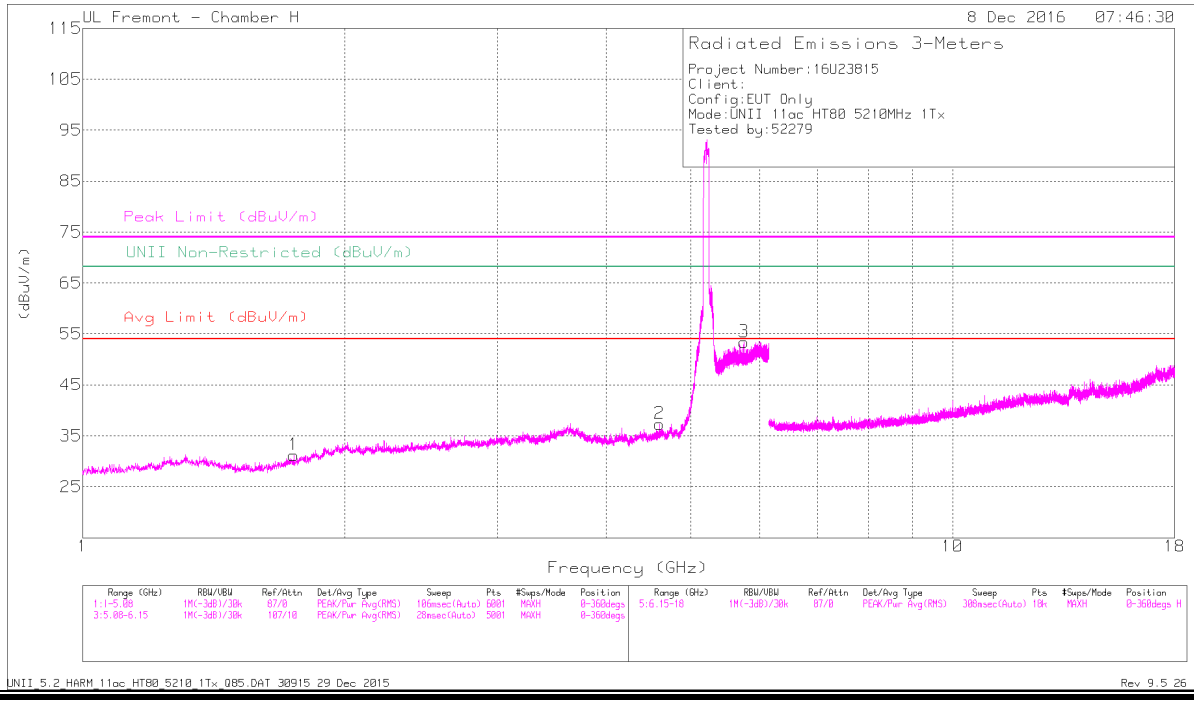
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	48.49	Pk	34.3	-24.9	0	57.89	-	-	74	-16.11	94	182	V
2	* 5.146	51.17	Pk	34.3	-24.8	0	60.67	-	-	74	-13.33	94	182	V
3	5.15	39.67	RMS	34.3	-24.9	.19	49.26	54	-4.74	-	-	94	182	V
4	* 5.146	40.88	RMS	34.3	-24.8	.19	50.57	54	-3.43	-	-	94	182	V

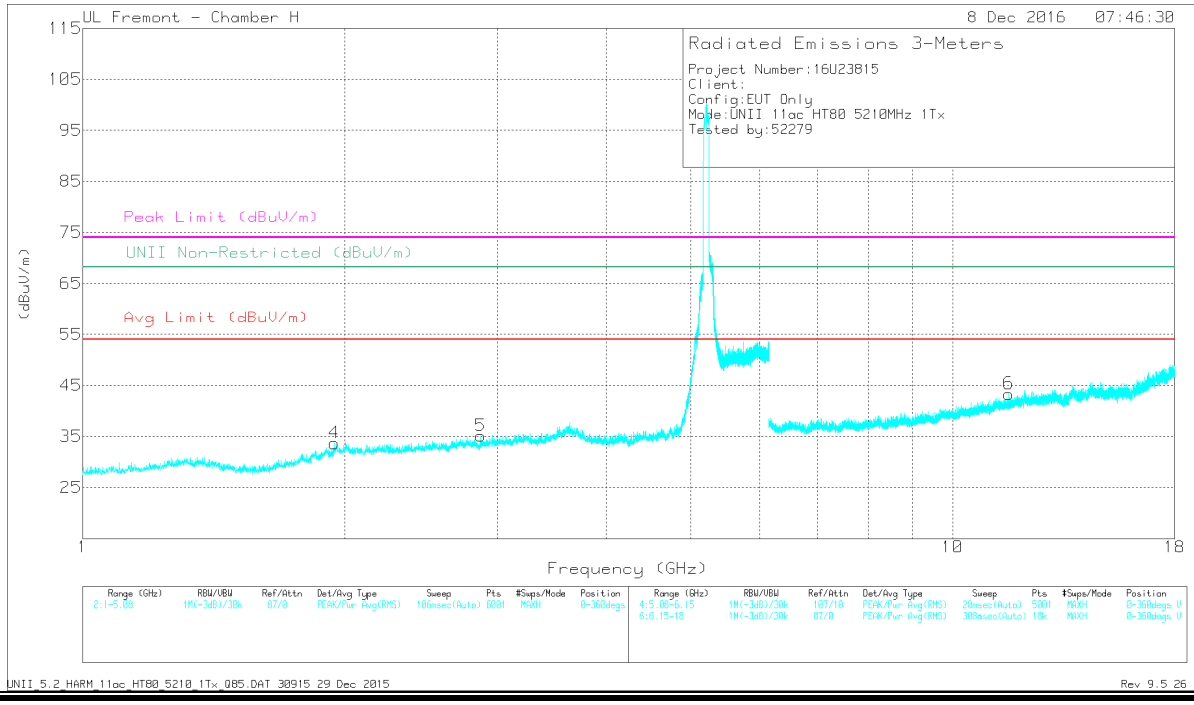
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL

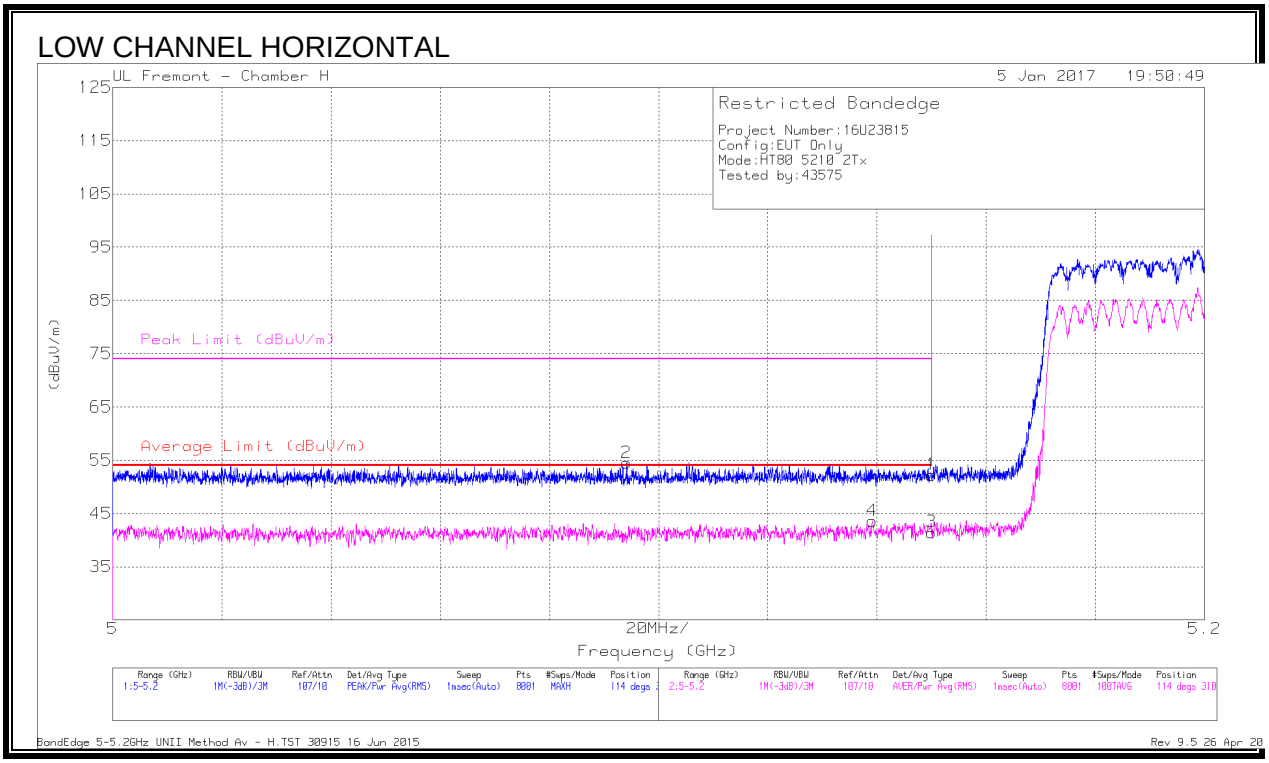


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/ Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.75	46.19	PK2	29.3	-37.9	0	37.59	-	-	-	-	68.2	-30.61	332	101	H
2	* 4.608	42.85	PK2	34	-34.5	0	42.35	-	-	74	-31.65	-	-	316	360	H
	* 4.607	32.06	MAv1	34	-34.5	.19	31.75	54	-22.25	-	-	-	-	316	360	H
3	5.757	40.19	PK2	34.9	-15	0	60.09	-	-	-	-	68.2	-8.11	47	379	H
4	1.948	47.14	PK2	31.5	-37.9	0	40.74	-	-	-	-	68.2	-27.46	311	220	V
5	* 2.867	45.78	PK2	32.8	-37.5	0	41.08	-	-	74	-32.92	-	-	81	131	V
	* 2.868	34.54	MAv1	32.8	-37.6	.19	29.93	54	-24.07	-	-	-	-	81	131	V
6	* 11.604	36.94	PK2	39	-26.8	0	49.14	-	-	74	-24.86	-	-	117	119	V
	* 11.603	25.22	MAv1	39	-26.8	.19	37.61	54	-16.39	-	-	-	-	117	119	V

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

9.2.9. 11ac HT80 2TX CDD MIMO MODE IN THE 5.2GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

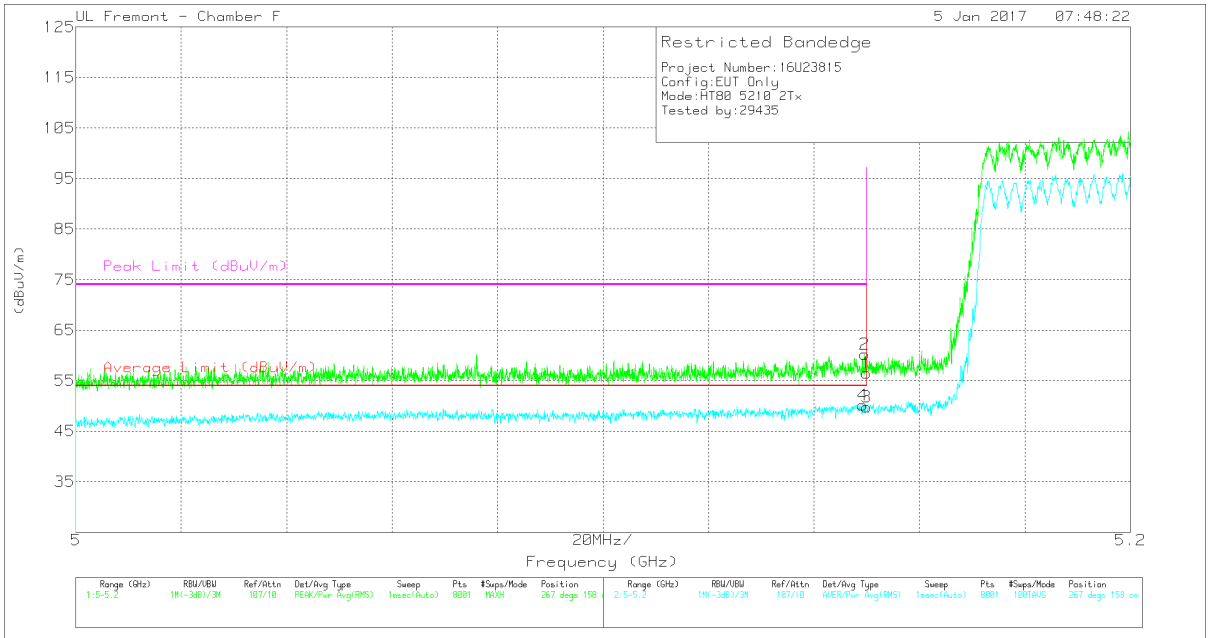


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	42.84	Pk	34.3	-24.9	0	52.24	-	-	74	-21.76	114	310	H
2	* 5.094	45.29	Pk	34.1	-24.9	0	54.49	-	-	74	-19.51	114	310	H
3	5.15	31.87	RMS	34.3	-24.9	.2	41.47	54	-12.53	-	-	114	310	H
4	* 5.139	34.07	RMS	34.2	-24.9	.2	43.57	54	-10.43	-	-	114	310	H

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

LOW CHANNEL VERTICAL

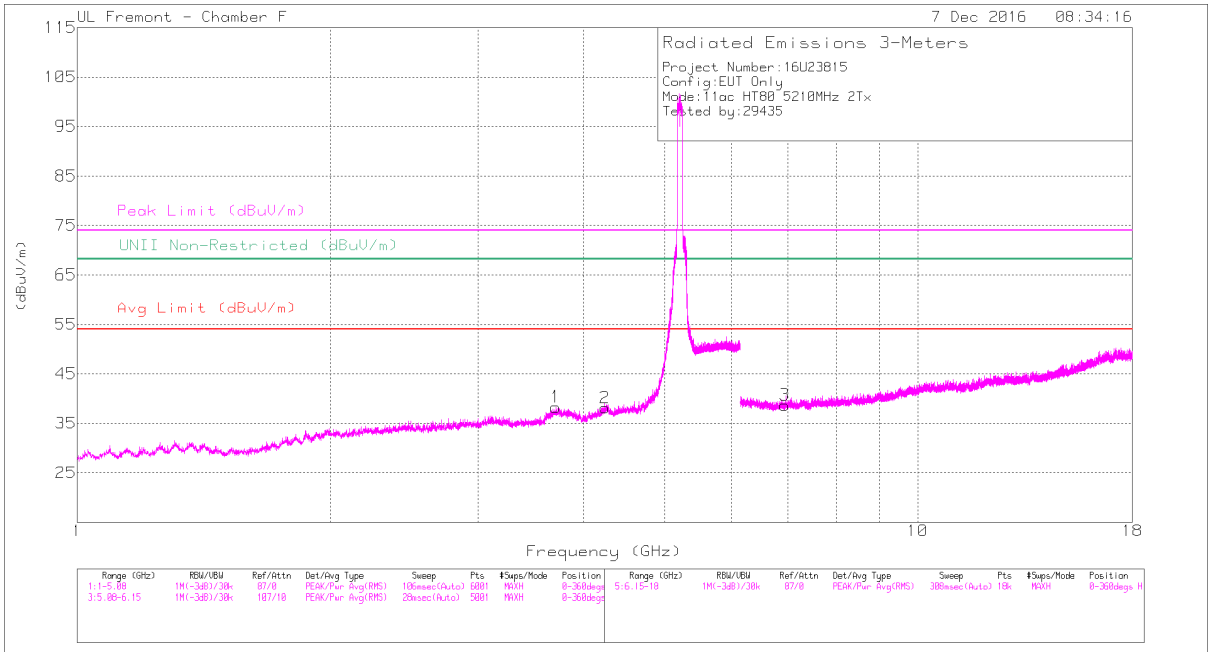


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/ Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	41.01	Pk	34.3	-18.8	0	56.51	-	-	74	-17.49	267	158	V
2	* 5.15	44.74	Pk	34.3	-18.8	0	60.24	-	-	74	-13.76	267	158	V
3	5.15	34.05	RMS	34.3	-18.8	.2	49.75	54	-4.25	-	-	267	158	V
4	* 5.149	34.51	RMS	34.3	-18.8	.2	50.21	54	-3.79	-	-	267	158	V

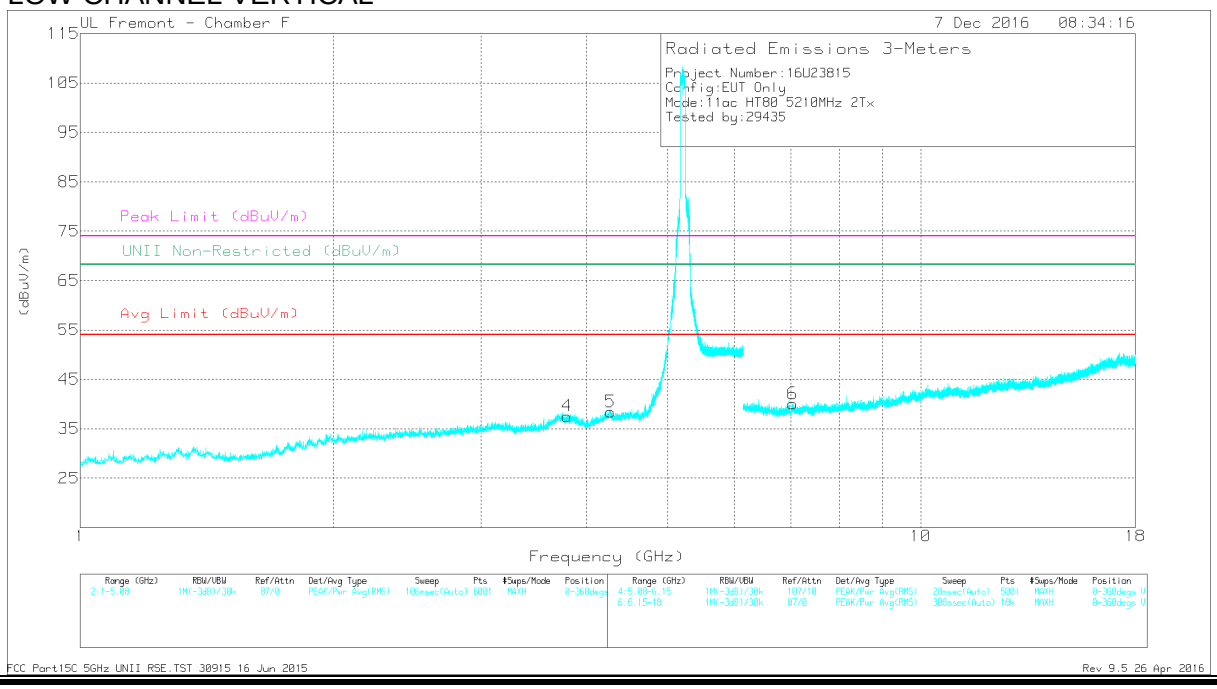
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



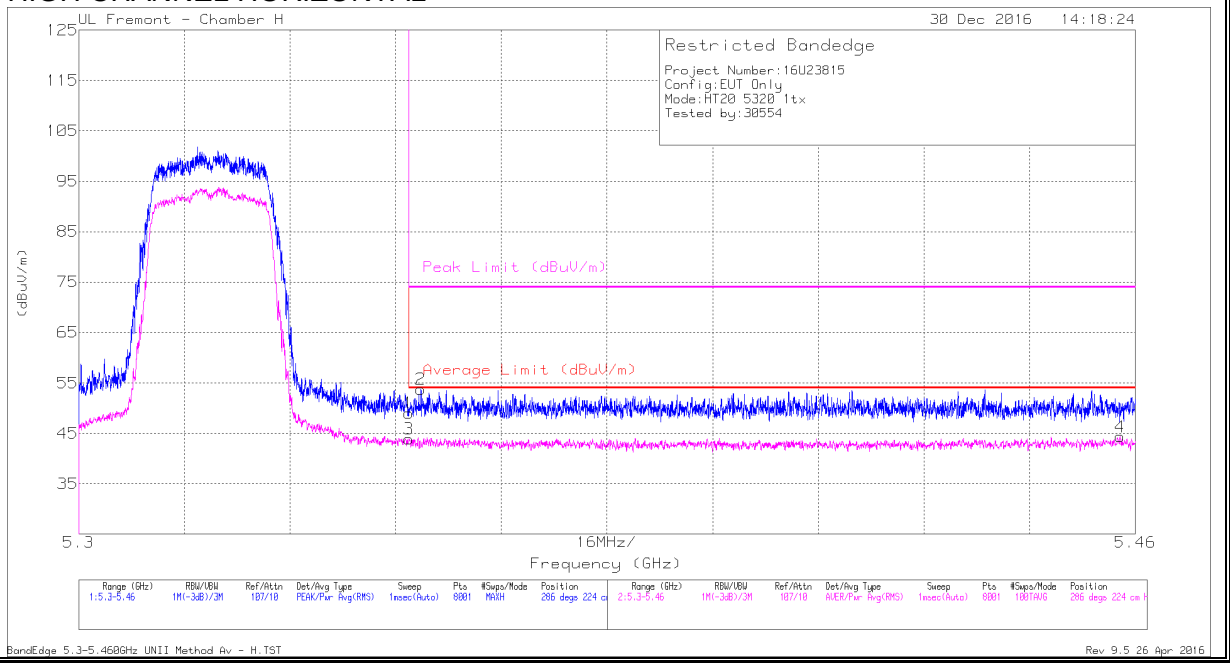
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/ Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.709	38.42	PK-U	33.3	-29	0	42.72	-	-	74	-31.28	-	-	138	158	H
	* 3.709	27.9	ADR	33.3	-29	.2	32.4	54	-21.6	-	-	-	-	138	158	H
2	* 4.244	37.63	PK-U	33.7	-26.7	0	44.63	-	-	74	-29.37	-	-	88	310	H
	* 4.247	26.53	ADR	33.7	-26.6	.2	33.83	54	-20.17	-	-	-	-	88	310	H
4	* 3.794	39.12	PK-U	33.4	-29.3	0	43.22	-	-	74	-30.78	-	-	137	273	V
	* 3.794	28.04	ADR	33.4	-29.3	.2	32.34	54	-21.66	-	-	-	-	137	273	V
5	* 4.274	37.2	PK-U	33.7	-26.6	0	44.3	-	-	74	-29.7	-	-	4	263	V
	* 4.275	26.61	ADR	33.7	-26.7	.2	33.81	54	-20.19	-	-	-	-	4	263	V
3	6.943	29.29	Pk	35.5	-26.1	0	38.69	-	-	-	-	68.2	-29.51	0-360	100	H
6	7.042	29.96	Pk	35.6	-25.5	0	40.06	-	-	-	-	68.2	-28.14	0-360	201	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average

9.2.10. 11n HT20 ANTENNA A SISO MODE IN THE 5.3GHz BAND

AUTHORIZED BANDEDGE (HIGH CHANNEL)

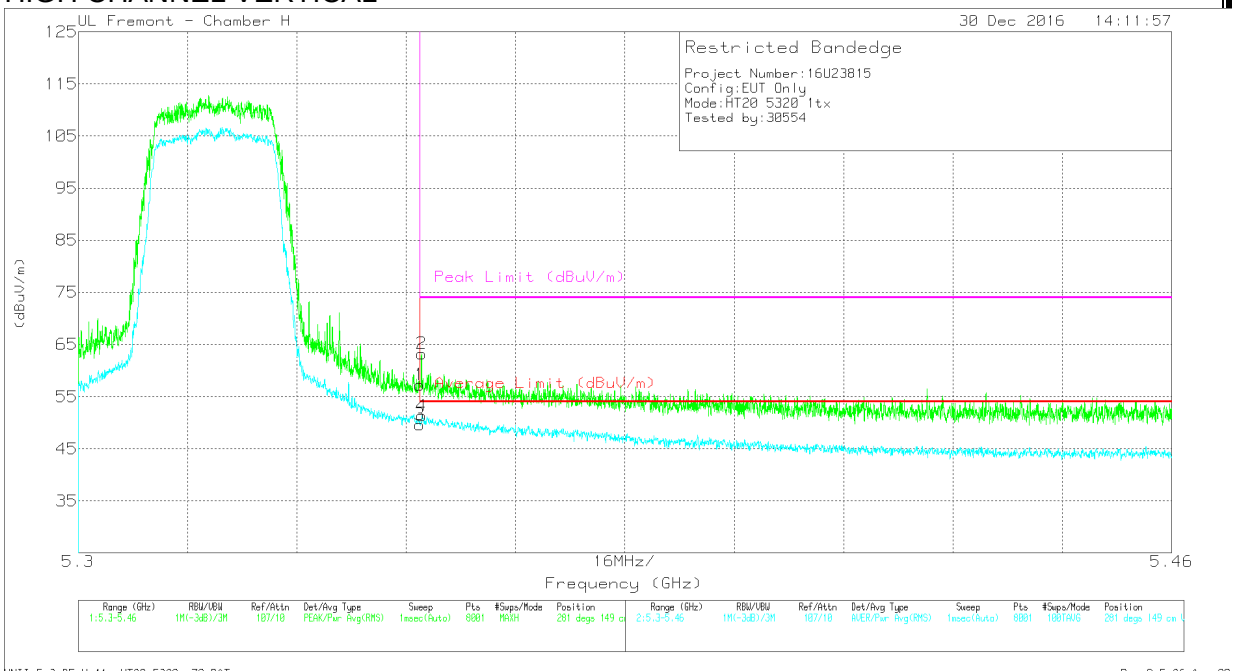
HIGH CHANNEL HORIZONTAL



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/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	39.26	Pk	34.6	-24.8	49.06	-	-	74	-24.94	286	224	H
2	* 5.352	43.92	Pk	34.6	-24.8	53.72	-	-	74	-20.28	286	224	H
3	* 5.35	34.09	RMS	34.6	-24.8	43.89	54	-10.11	-	-	286	224	H
4	* 5.458	33.94	RMS	34.7	-24.3	44.34	54	-9.66	-	-	286	224	H

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

HIGH CHANNEL VERTICAL

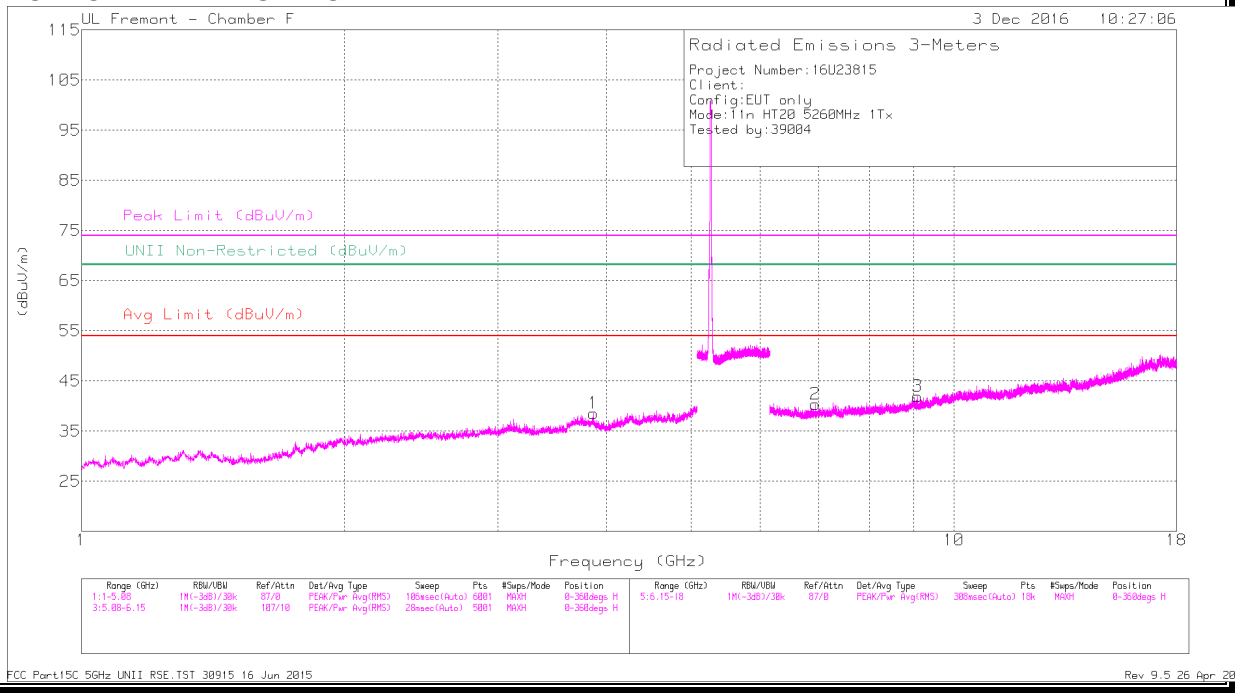


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	47.48	Pk	34.6	-24.8	57.28	-	-	74	-16.72	281	149	V
2	* 5.35	53.44	Pk	34.6	-24.8	63.24	-	-	74	-10.76	281	149	V
3	* 5.35	39.82	RMS	34.6	-24.8	49.62	54	-4.38	-	-	281	149	V
4	* 5.35	41.53	RMS	34.6	-24.8	51.33	54	-2.67	-	-	281	149	V

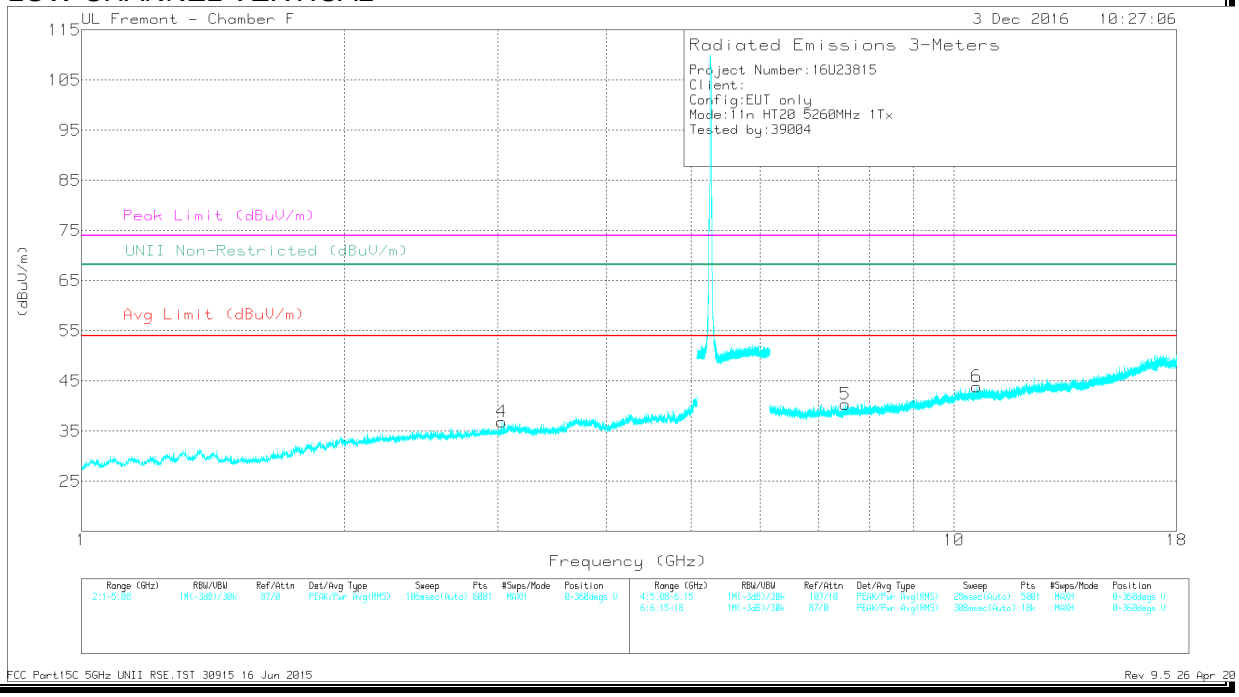
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



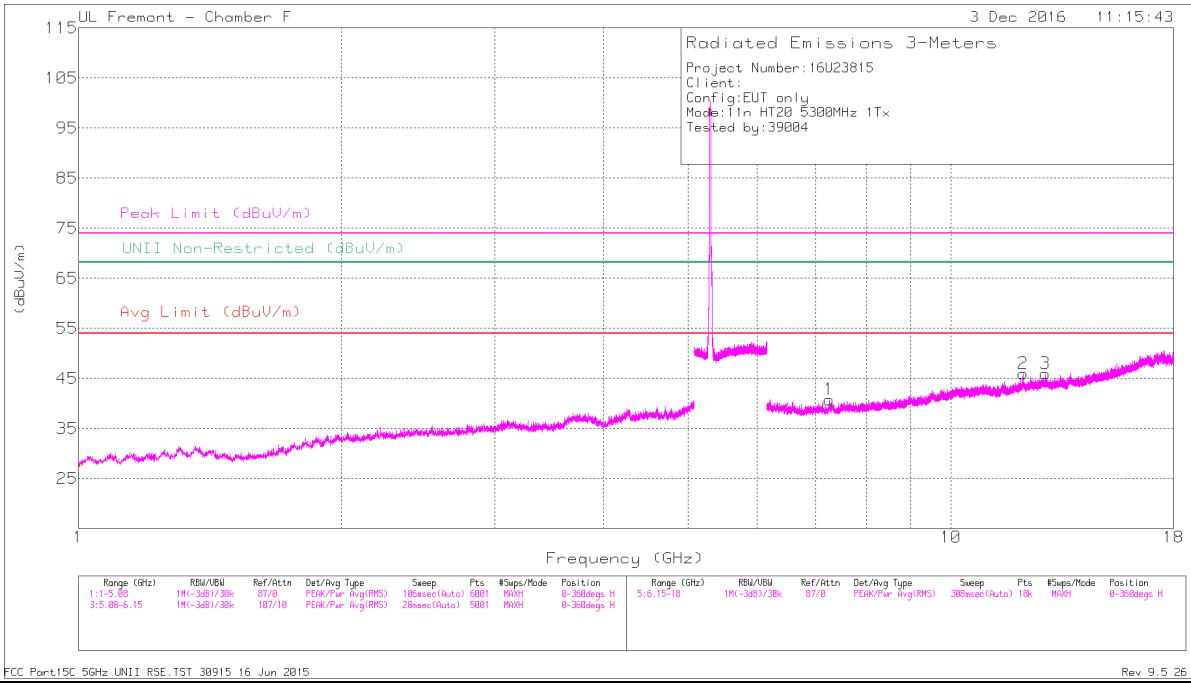
LOW CHANNEL VERTICAL



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.859	38.34	PK-U	33.4	-28.4	43.34	-	-	74	-30.66	-	-	43	253	H
	* 3.862	27.76	ADR	33.4	-28.5	32.66	54	-21.34	-	-	-	-	43	253	H
2	6.942	36.27	PK-U	35.5	-26.2	45.57	-	-	-	-	68.2	-22.63	56	244	H
3	* 9.085	34.19	PK-U	36.1	-23.5	46.79	-	-	74	-27.21	-	-	344	202	H
4	3.032	39.79	PK-U	32.9	-30	42.69	-	-	-	-	68.2	-25.51	226	239	V
	* 9.084	23.88	ADR	36.1	-23.5	36.48	54	-17.52	-	-	-	-	344	202	H
5	* 7.507	35.5	PK-U	35.6	-25	46.1	-	-	74	-27.9	-	-	65	130	V
	* 7.505	25.08	ADR	35.6	-25	35.68	54	-18.32	-	-	-	-	65	130	V
6	* 10.63	33.43	PK-U	37.6	-21.9	49.13	-	-	74	-24.87	-	-	200	252	V
	* 10.63	23.11	ADR	37.6	-21.8	38.91	54	-15.09	-	-	-	-	200	252	V

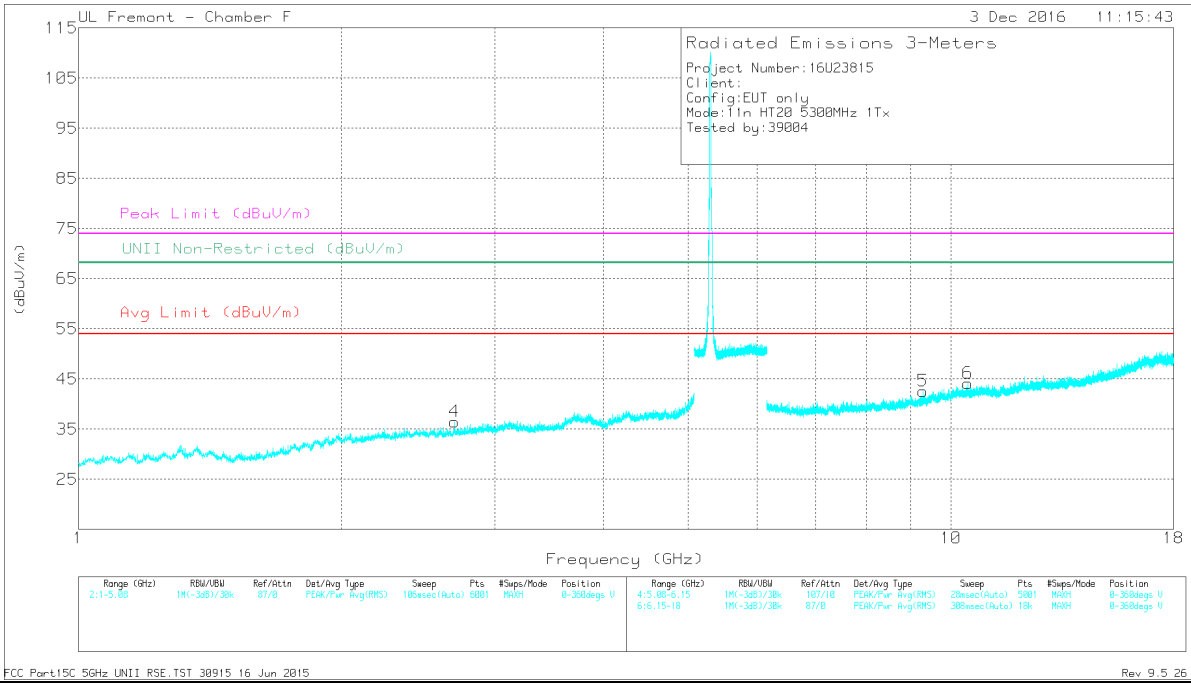
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average

MID CHANNEL HORIZONTAL



FCC Part15C 5GHz UNII RSE.TST 30915 16 Jun 2015 Rev 9.5 26 Apr 20

MID CHANNEL VERTICAL

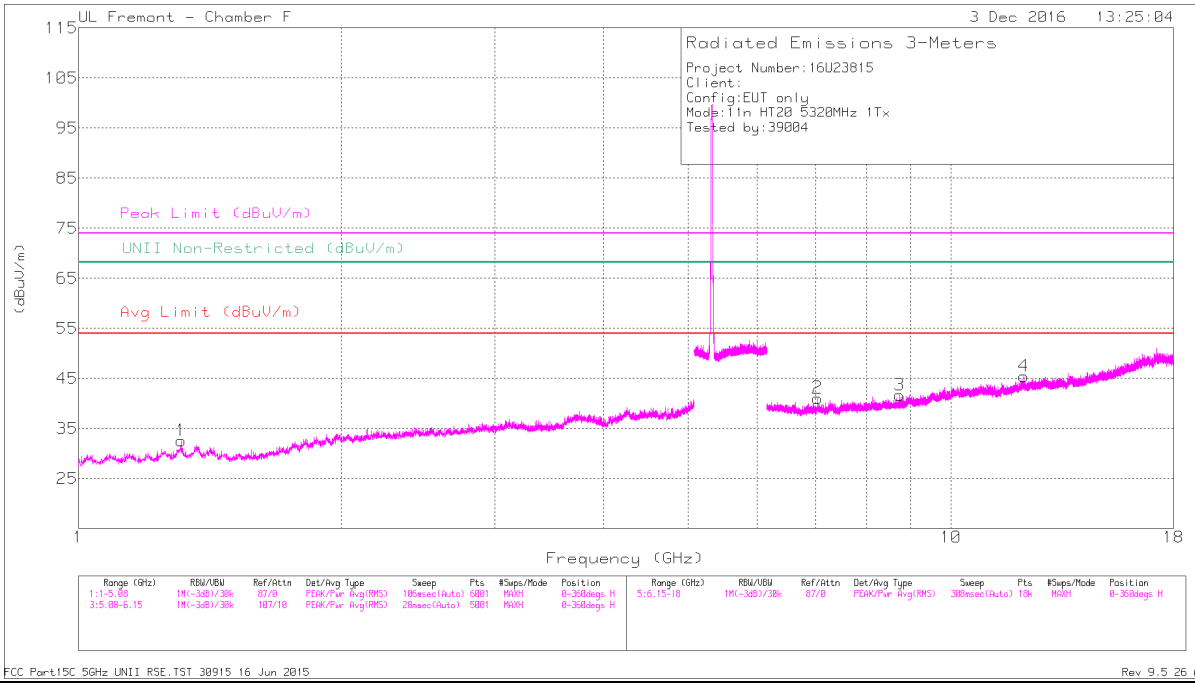


FCC Part15C 5GHz UNII RSE.TST 30915 16 Jun 2015 Rev 9.5 26 Apr 20

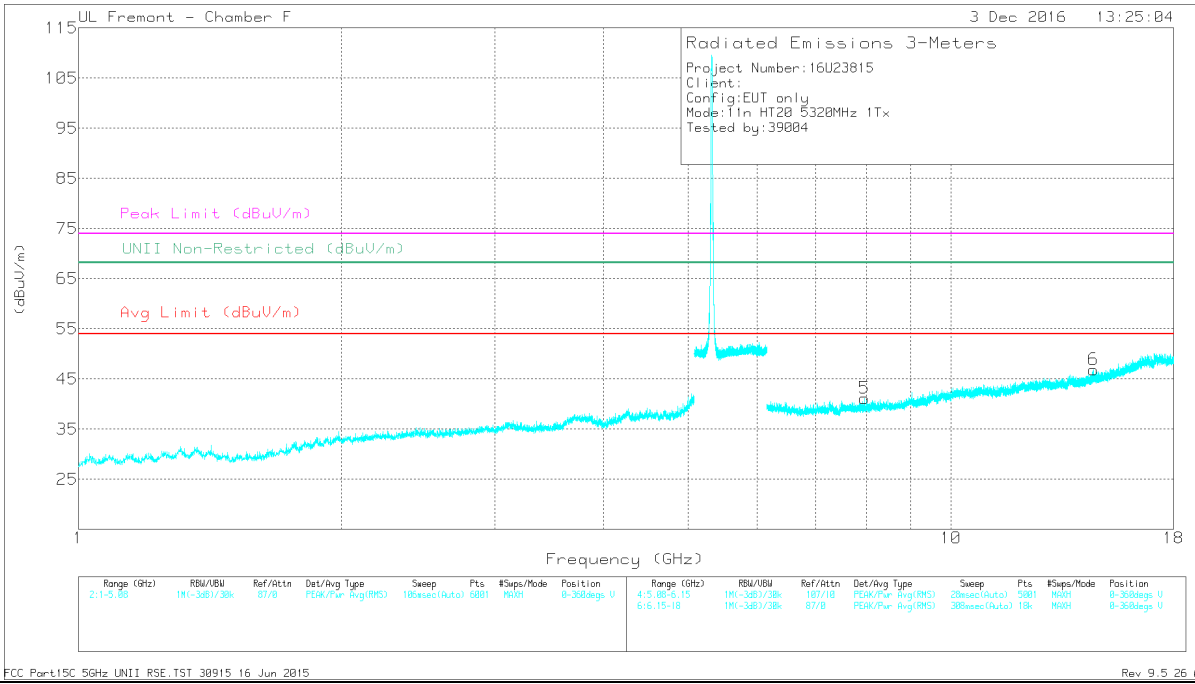
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 7.259	36.71	PK-U	35.5	-25.4	46.81	-	-	74	-27.19	-	-	315	312	H
	* 7.255	25.78	ADR	35.5	-25.5	35.78	54	-18.22	-	-	-	-	315	312	H
2	* 12.102	34.09	PK-U	38.9	-22.3	50.69	-	-	74	-23.31	-	-	346	112	H
	* 12.104	23.6	ADR	38.9	-22.3	40.2	54	-13.8	-	-	-	-	346	112	H
3	12.84	34.56	PK-U	39.3	-22.9	50.96	-	-	-	-	68.2	-17.24	12	348	H
4	* 2.701	39.92	PK-U	32.4	-30.3	42.02	-	-	74	-31.98	-	-	293	191	V
	* 2.7	28.92	ADR	32.4	-30.3	31.02	54	-22.98	-	-	-	-	293	191	V
5	9.283	34.53	PK-U	36.3	-22.6	48.23	-	-	-	-	68.2	-19.97	284	156	V
6	10.461	33.68	PK-U	37.4	-21.4	49.68	-	-	-	-	68.2	-18.52	67	270	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL

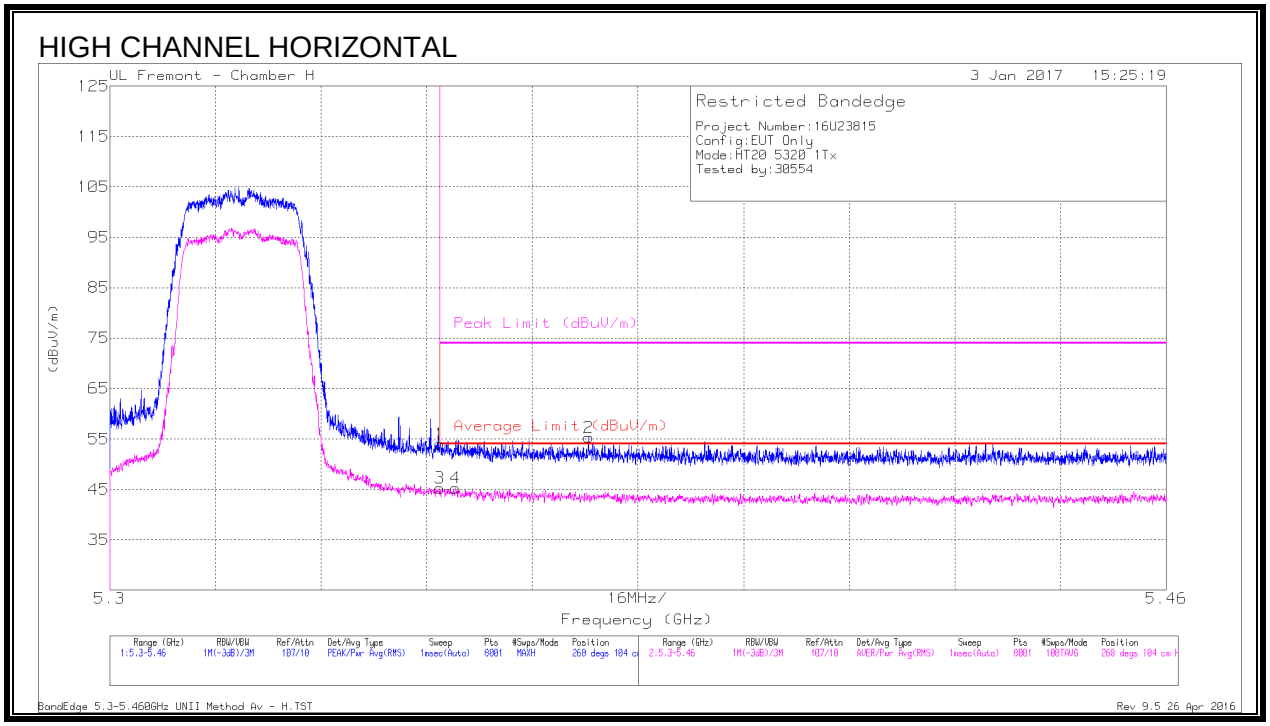


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.311	40.19	PK-U	29	-31.4	37.79	-	-	74	-36.21	-	-	4	283	H
	* 1.309	29.7	ADR	29	-31.4	27.3	54	-26.7	-	-	-	-	4	283	H
2	7.04	35.97	PK-U	35.6	-25.5	46.07	-	-	-	-	68.2	-22.13	105	361	H
3	8.738	34.47	PK-U	35.9	-23.7	46.67	-	-	-	-	68.2	-21.53	156	127	H
4	* 12.12	34.25	PK-U	38.9	-22.3	50.85	-	-	74	-23.15	-	-	44	335	H
	* 12.12	23.42	ADR	38.9	-22.3	40.02	54	-13.98	-	-	-	-	44	335	H
5	7.956	36.12	PK-U	35.8	-25.5	46.42	-	-	-	-	68.2	-21.78	3	182	V
6	14.58	35.99	PK-U	39.7	-23.1	52.59	-	-	-	-	68.2	-15.61	333	299	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average

9.2.11. 11n HT20 ANTENNA B SISO MODE IN THE 5.3GHz BAND

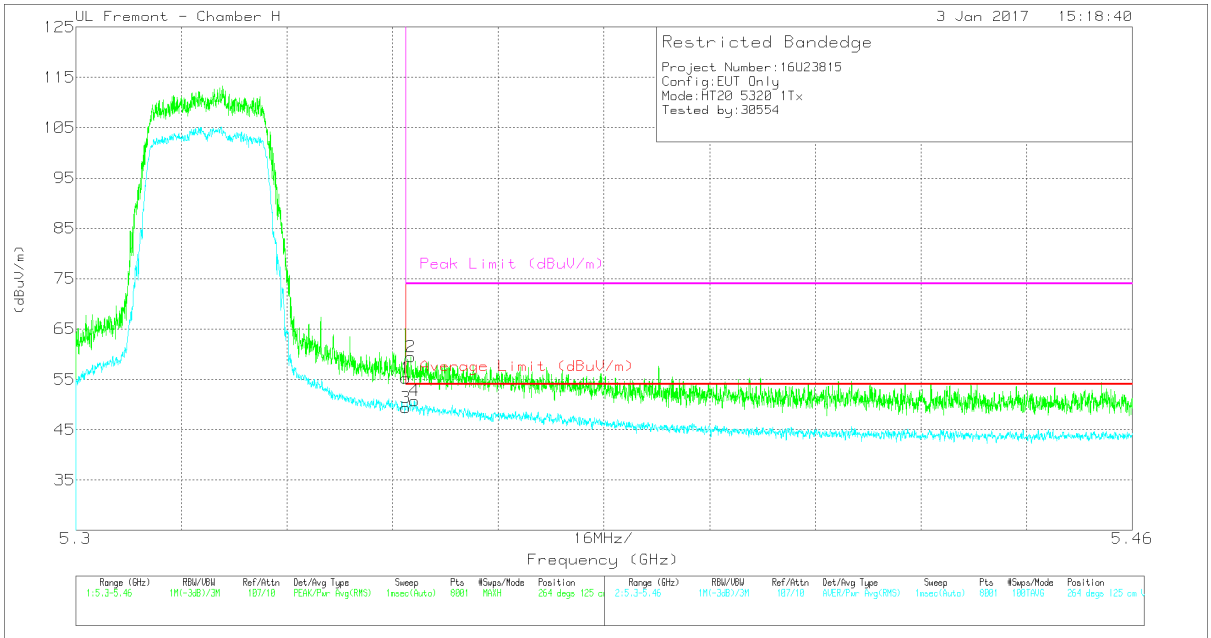
AUTHORIZED BANDEDGE (HIGH CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/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	44.23	Pk	34.6	-24.8	54.03	-	-	74	-19.97	268	104	H
2	* 5.373	45.42	Pk	34.6	-24.7	55.32	-	-	74	-18.68	268	104	H
3	* 5.35	35.51	RMS	34.6	-24.8	45.31	54	-8.69	-	-	268	104	H
4	* 5.352	35.5	RMS	34.6	-24.8	45.3	54	-8.7	-	-	268	104	H

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

HIGH CHANNEL VERTICAL

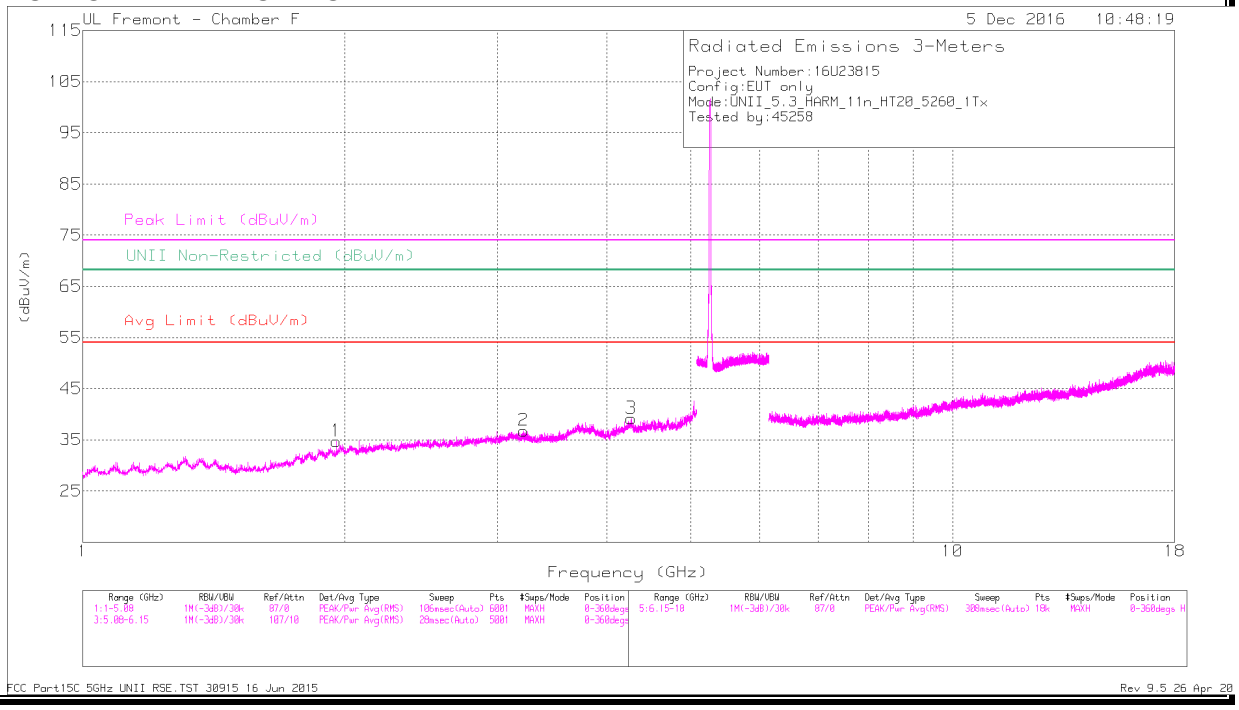


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	45.49	Pk	34.6	-24.8	55.29	-	-	74	-18.71	264	125	V
2	* 5.351	49.72	Pk	34.6	-24.8	59.52	-	-	74	-14.48	264	125	V
3	* 5.35	39.56	RMS	34.6	-24.8	49.36	54	-4.64	-	-	264	125	V
4	* 5.351	40.97	RMS	34.6	-24.8	50.77	54	-3.23	-	-	264	125	V

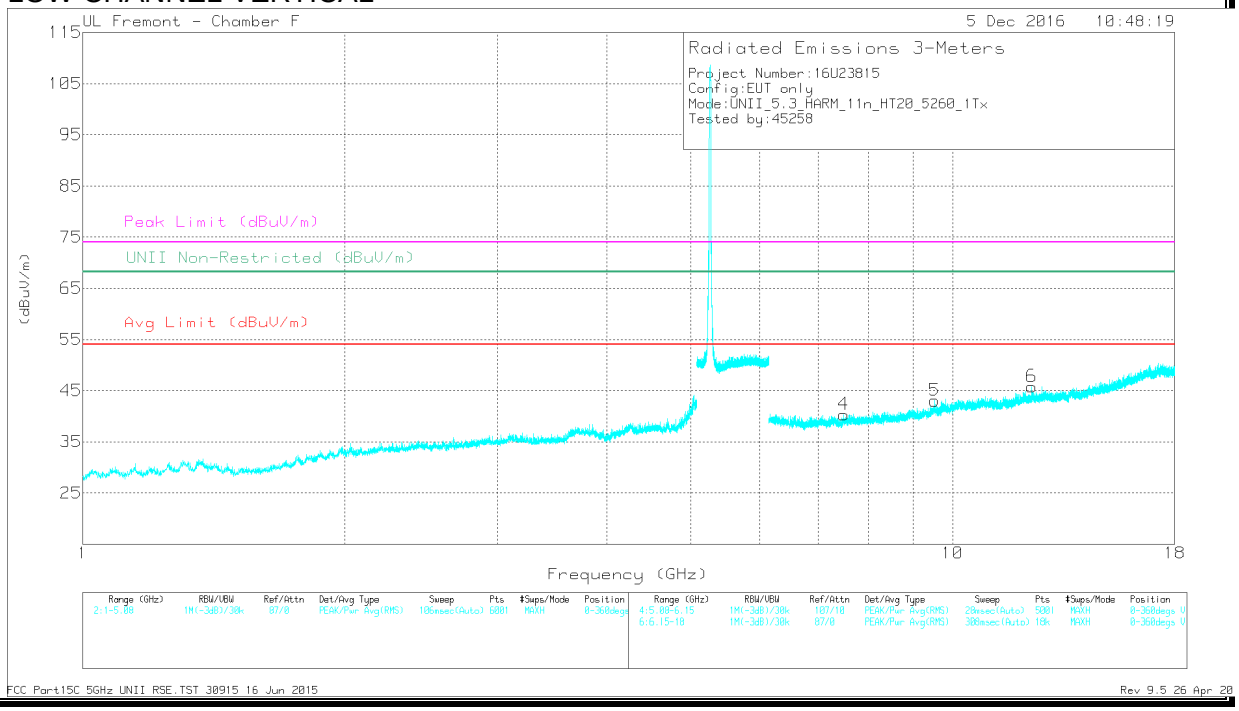
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



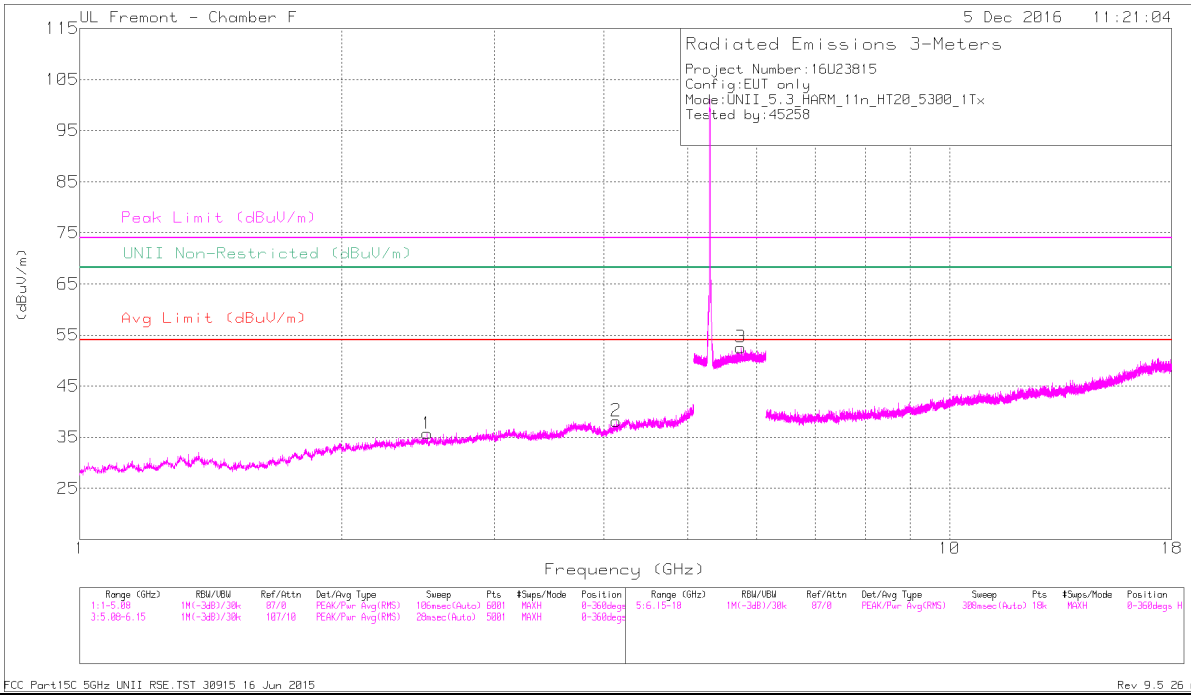
LOW CHANNEL VERTICAL



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.955	40.01	PK-U	31.3	-31.2	40.11	-	-	-	-	68.2	-28.09	138	197	H
2	3.212	39.97	PK-U	33.1	-29.8	43.27	-	-	-	-	68.2	-24.93	321	136	H
3	* 4.271	37.22	PK-U	33.7	-26.5	44.42	-	-	74	-29.58	-	-	180	227	H
	* 4.27	27.14	ADR	33.7	-26.5	34.34	54	-19.66	-	-	-	-	180	227	H
4	* 7.497	36.17	PK-U	35.6	-25	46.77	-	-	74	-27.23	-	-	135	208	H
	* 7.497	25.87	ADR	35.6	-25.1	36.37	54	-17.63	-	-	-	-	135	208	H
5	9.537	33.97	PK-U	36.5	-21.4	49.07	-	-	-	-	68.2	-19.13	259	174	H
6	* 12.333	34.81	PK-U	38.9	-22.5	51.21	-	-	74	-22.79	-	-	254	277	H
	* 12.33	24.1	ADR	38.9	-22.5	40.5	54	-13.5	-	-	-	-	254	277	H

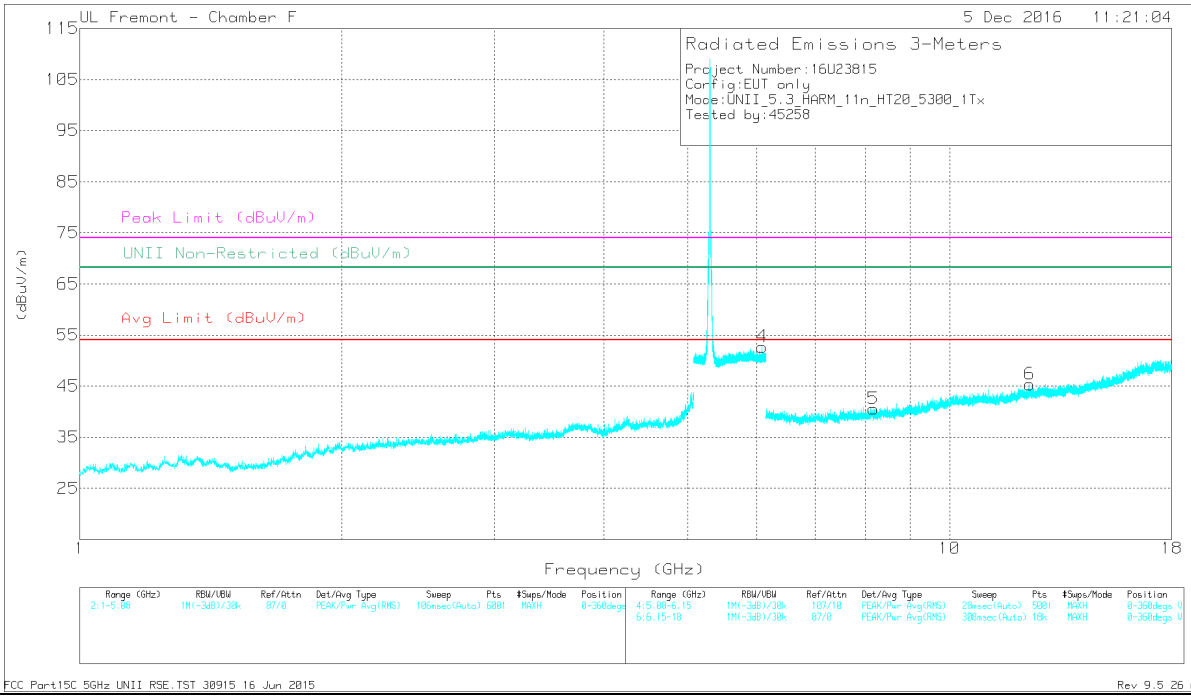
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average

MID CHANNEL HORIZONTAL



FCC Part15C 5GHz UNII RSE.TST 30915 16 Jun 2015 Rev 9.5 26 Apr 20

MID CHANNEL VERTICAL

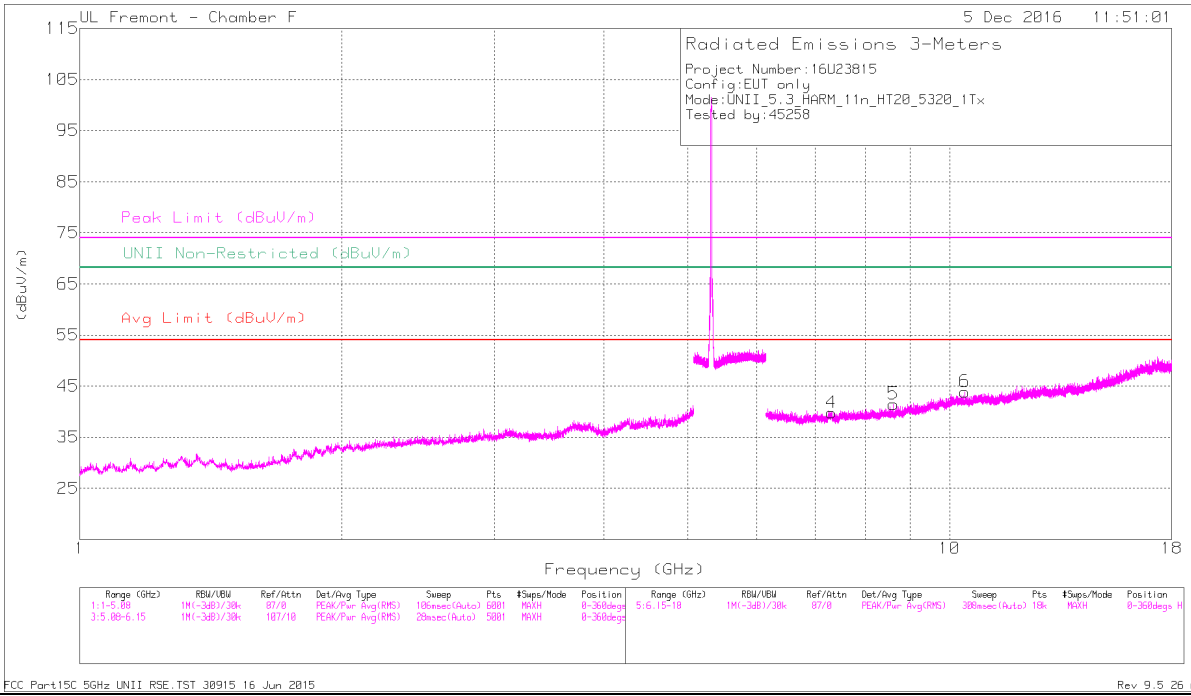


FCC Part15C 5GHz UNII RSE.TST 30915 16 Jun 2015 Rev 9.5 26 Apr 20

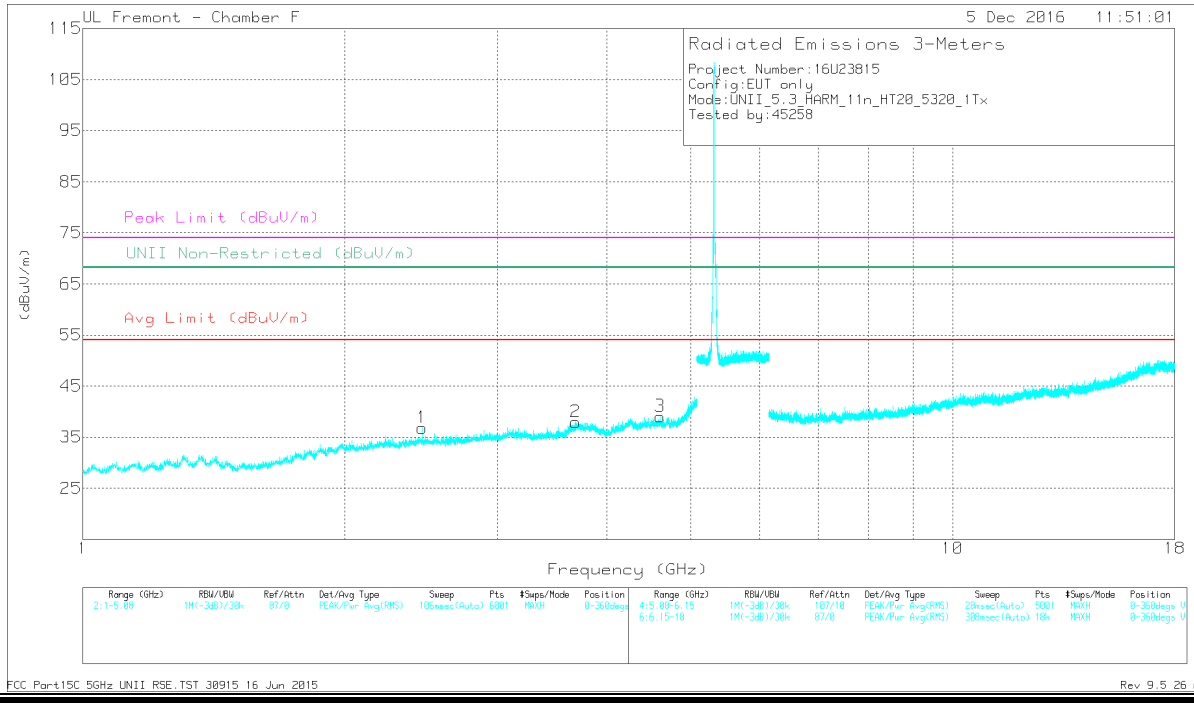
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.508	39.52	PK-U	32.3	-30.7	41.12	-	-	-	-	68.2	-27.08	118	206	H
2	* 4.133	38.43	PK-U	33.7	-28.8	43.33	-	-	74	-30.67	-	-	273	320	H
	* 4.134	27.88	ADR	33.7	-28.9	32.68	54	-21.32	-	-	-	-	273	320	H
3	5.754	41.07	PK-U	34.9	-18.1	57.87	-	-	-	-	68.2	-10.33	74	240	H
4	6.088	39.94	PK-U	35.5	-18	57.44	-	-	-	-	68.2	-10.76	189	281	H
5	* 8.175	35.32	PK-U	35.8	-24.4	46.72	-	-	74	-27.28	-	-	334	279	H
	* 8.175	25.21	ADR	35.8	-24.5	36.51	54	-17.49	-	-	-	-	334	279	H
6	* 12.37	34.09	PK-U	38.9	-22.3	50.69	-	-	74	-23.31	-	-	236	184	H
	* 12.37	24.28	ADR	38.9	-22.3	40.88	54	-13.12	-	-	-	-	236	184	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL

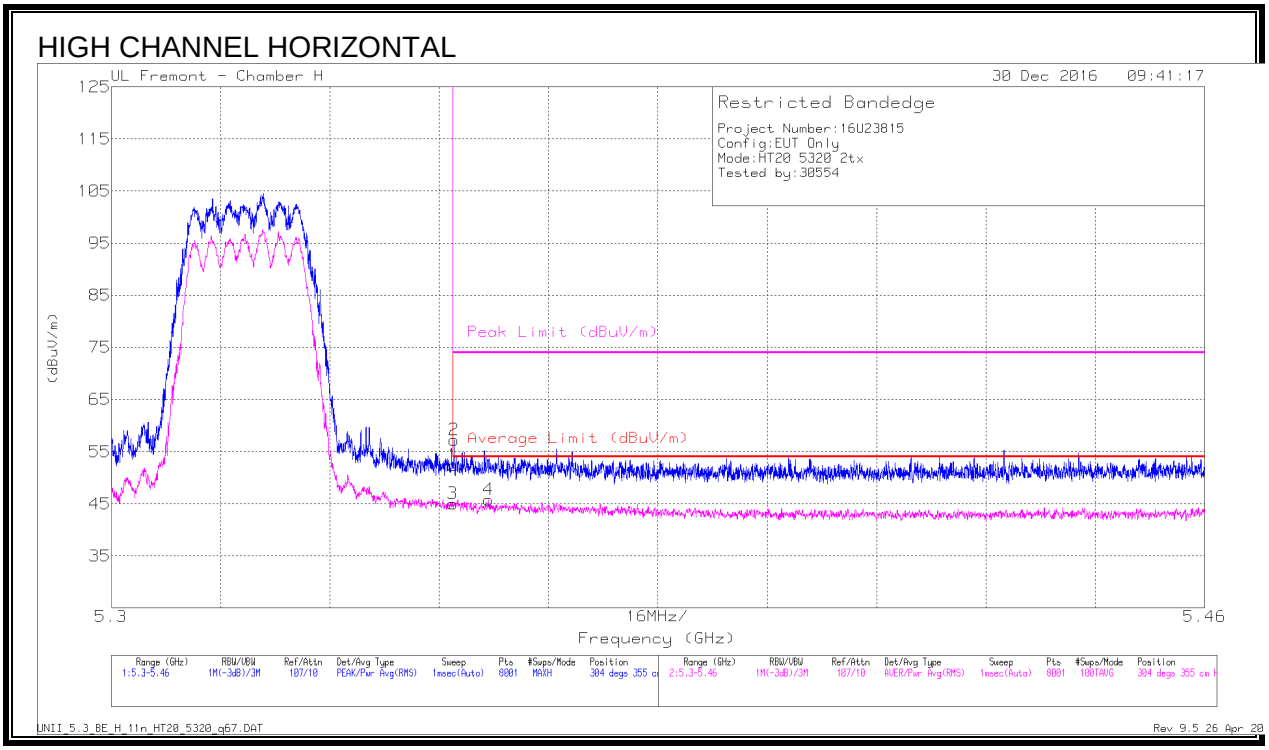


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.455	40.2	PK-U	32.3	-30.4	42.1	-	-	-	-	68.2	-26.1	310	118	H
2	* 3.687	38.9	PK-U	33.3	-28.9	43.3	-	-	74	-30.7	-	-	229	250	H
	* 3.688	28.65	ADR	33.3	-28.8	33.15	54	-20.85	-	-	-	-	229	250	H
3	* 4.613	37.96	PK-U	34.1	-27.4	44.66	-	-	74	-29.34	-	-	119	227	H
	* 4.611	27.99	ADR	34.1	-27.4	34.69	54	-19.31	-	-	-	-	119	227	H
4	* 7.313	36.11	PK-U	35.5	-25.2	46.41	-	-	74	-27.59	-	-	51	204	H
	* 7.315	26.47	ADR	35.5	-25.1	36.87	54	-17.13	-	-	-	-	51	204	H
5	8.62	34.65	PK-U	35.8	-23.9	46.55	-	-	-	-	68.2	-21.65	257	150	H
6	10.415	32.99	PK-U	37.3	-21	49.29	-	-	-	-	68.2	-18.91	183	208	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average

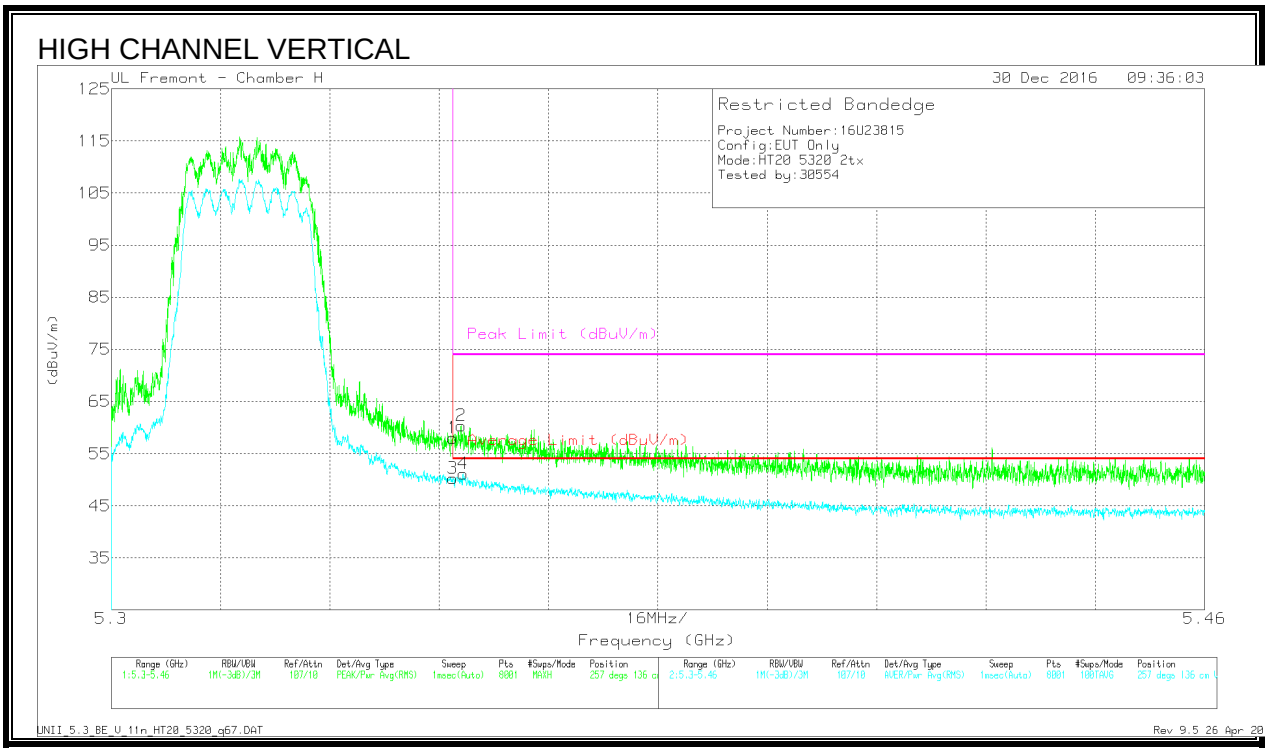
9.2.12. 11n HT20 2TX CDD MIMO MODE IN THE 5.3GHz BAND

AUTHORIZED BANDEDGE (HIGH CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl /Fltr/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	42.64	Pk	34.6	-24.8	52.44	-	-	74	-21.56	304	355	H
2	* 5.35	47.42	Pk	34.6	-24.8	57.22	-	-	74	-16.78	304	355	H
3	* 5.35	35.21	RMS	34.6	-24.8	45.01	54	-8.99	-	-	304	355	H
4	* 5.355	35.95	RMS	34.6	-24.8	45.75	54	-8.25	-	-	304	355	H

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

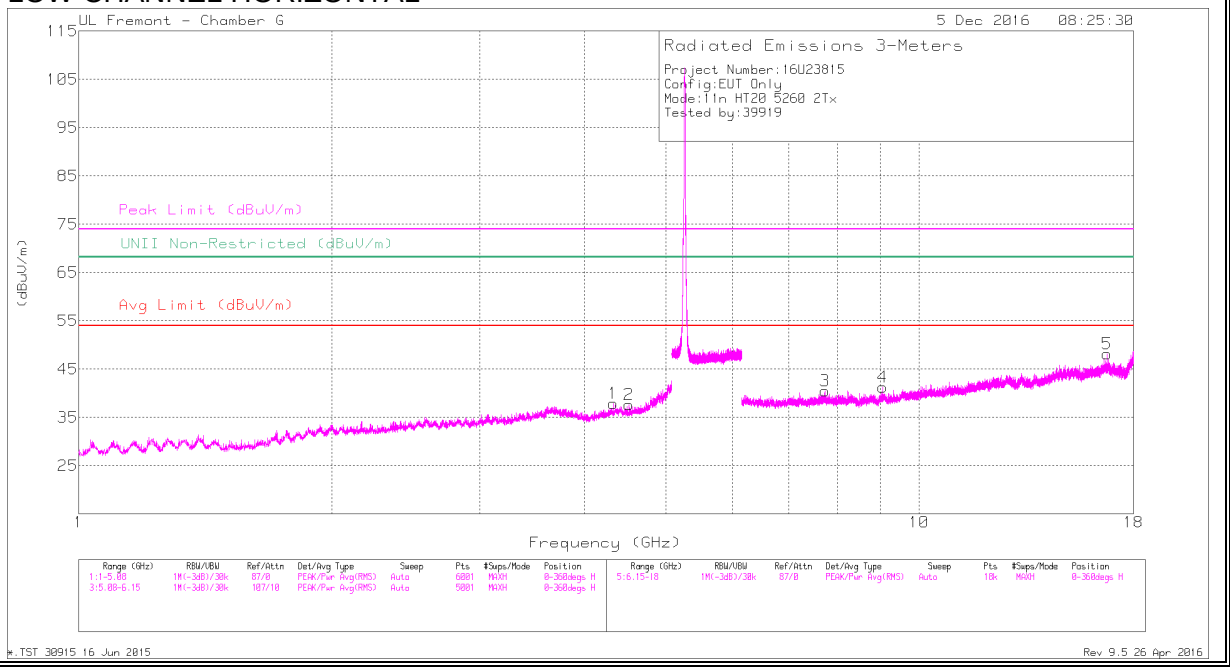


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl /Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	48.25	Pk	34.6	-24.8	58.05	-	-	74	-15.95	257	136	V
3	* 5.35	40.42	RMS	34.6	-24.8	50.22	54	-3.78	-	-	257	136	V
2	* 5.351	50.52	Pk	34.6	-24.8	60.32	-	-	74	-13.68	257	136	V
4	* 5.351	41.31	RMS	34.6	-24.8	51.11	54	-2.89	-	-	257	136	V

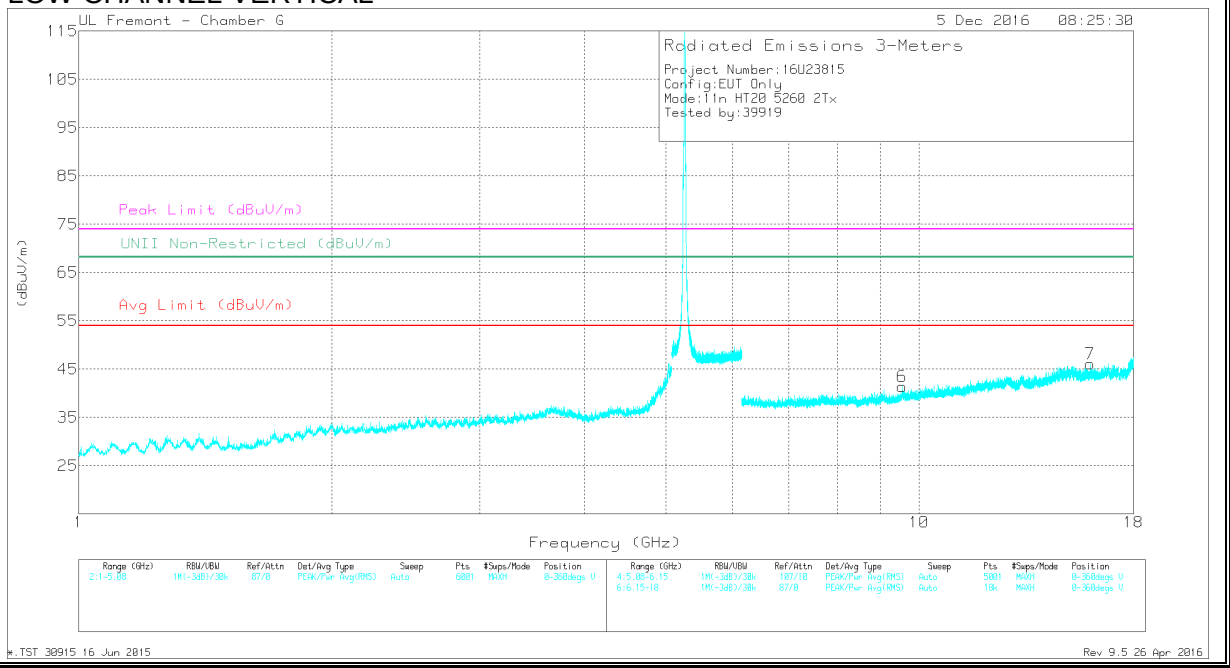
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



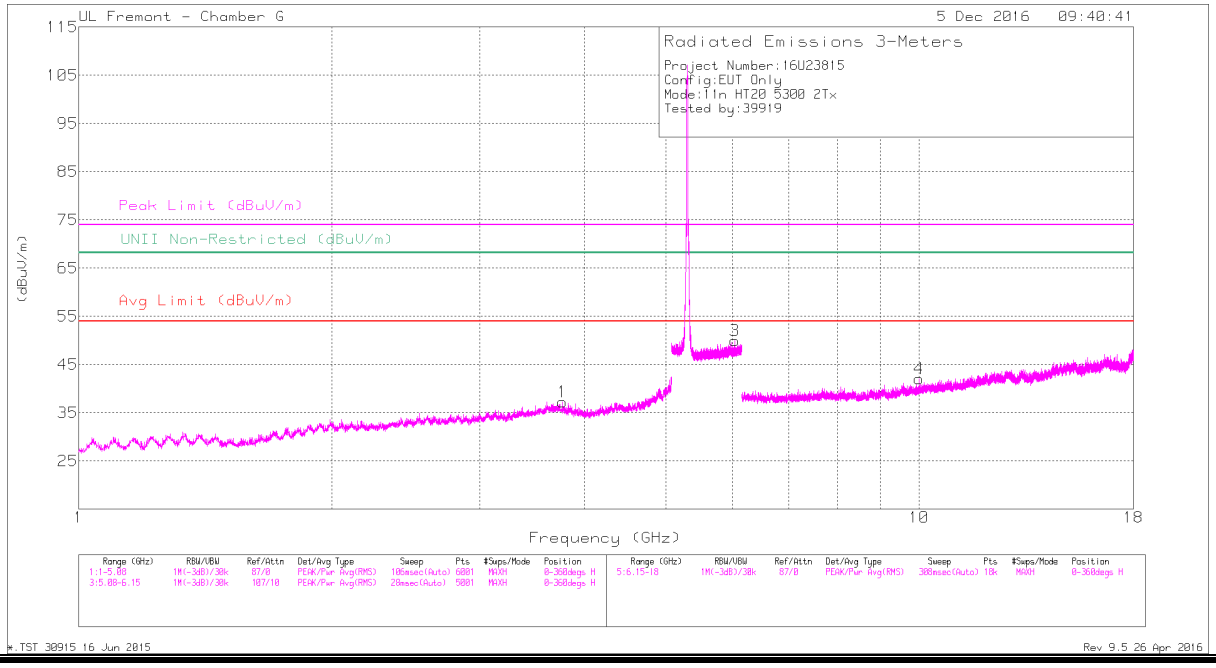
LOW CHANNEL VERTICAL



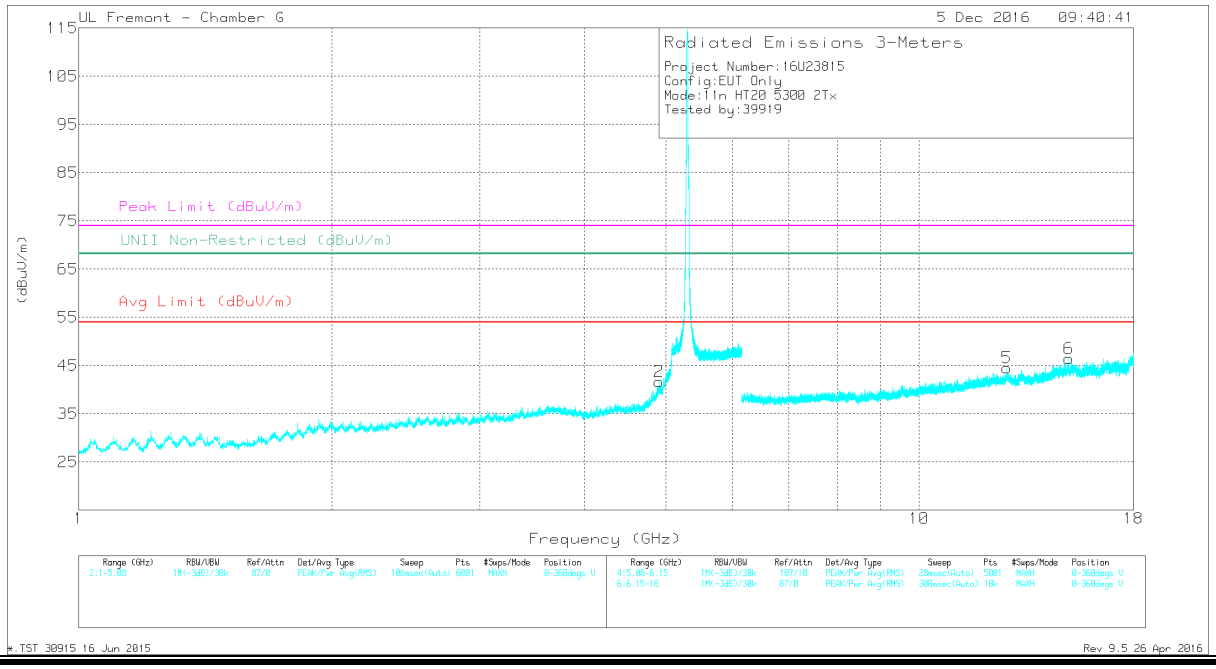
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.328	40.9	PK-U	33.9	-31.5	43.3	-	-	74	-30.7	-	-	253	100	H
	* 4.33	29.6	ADR	34	-31.5	32.1	54	-21.9	-	-	-	-	253	100	H
2	* 4.514	41.56	PK-U	34.1	-31.9	43.76	-	-	74	-30.24	-	-	246	100	H
	* 4.516	30.21	ADR	34.1	-31.9	32.41	54	-21.59	-	-	-	-	246	100	H
3	* 7.725	39.43	PK-U	36.1	-29.8	45.73	-	-	74	-28.27	-	-	211	100	H
	* 7.725	28.68	ADR	36.1	-29.8	34.98	54	-19.02	-	-	-	-	211	100	H
4	* 9.057	37.34	PK-U	36.1	-27.6	45.84	-	-	74	-28.16	-	-	334	202	H
	* 9.056	26.62	ADR	36.1	-27.6	35.12	54	-18.88	-	-	-	-	334	202	H
5	16.74	35.78	PK-U	42.1	-24.8	53.08	-	-	-	-	68.2	-15.12	127	101	H
6	9.553	37.28	PK-U	36.7	-27.2	46.78	-	-	-	-	68.2	-21.42	150	101	V
7	* 15.982	36.57	PK-U	41	-25.3	52.27	-	-	74	-21.73	-	-	352	201	V
	* 15.983	25.42	ADR	41	-25.2	41.22	54	-12.78	-	-	-	-	352	201	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average

MID CHANNEL HORIZONTAL



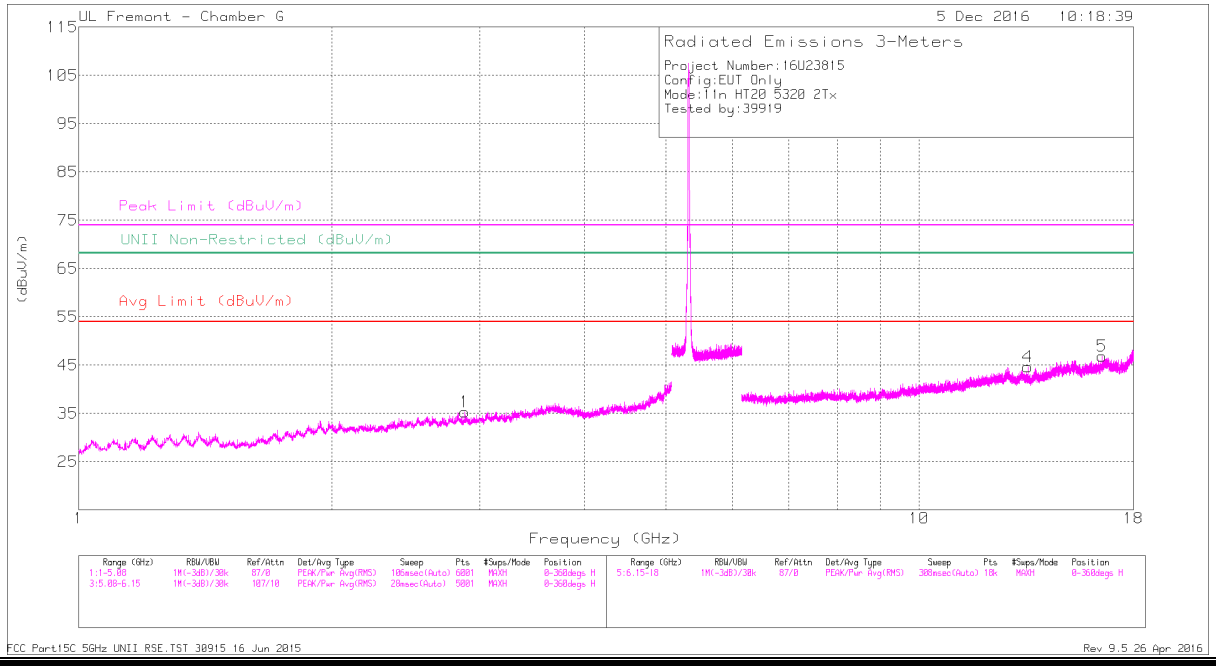
MID CHANNEL VERTICAL



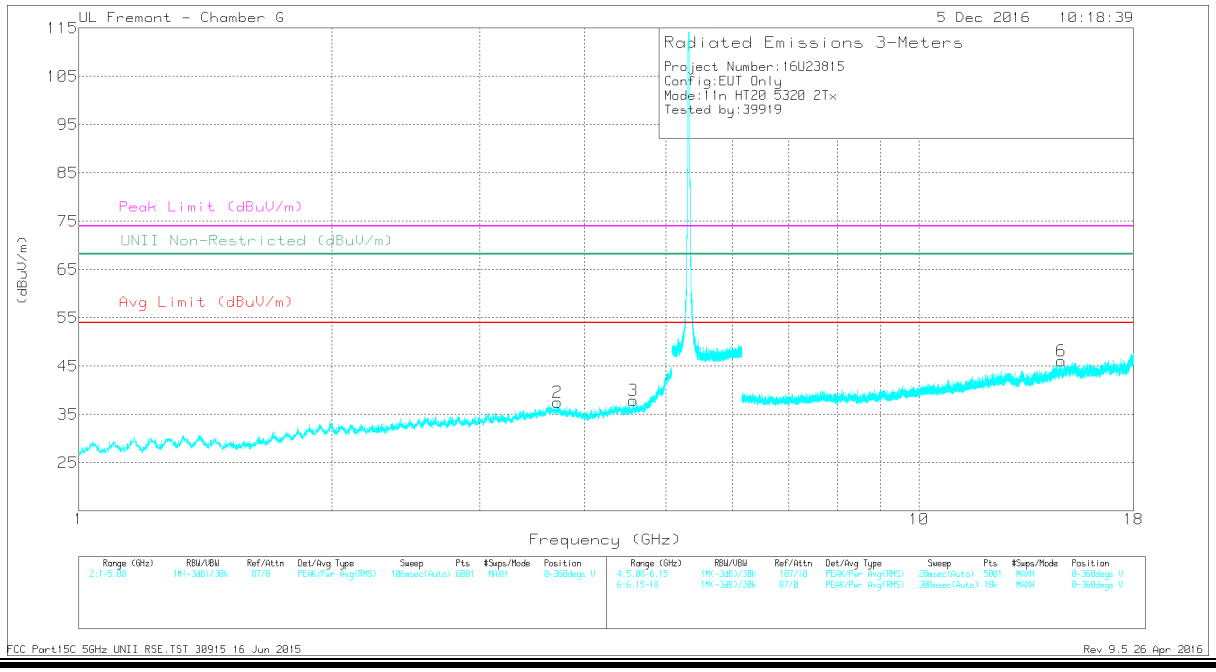
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.767	41.61	PK-U	34	-32.2	43.41	-	-	74	-30.59	-	-	110	203	H
	* 3.765	30.42	ADR	34	-32.2	32.22	54	-21.78	-	-	-	-	110	203	H
2	* 4.903	44.89	PK-U	34.5	-30.8	48.59	-	-	74	-25.41	-	-	208	203	V
	* 4.902	33.74	ADR	34.5	-30.8	37.44	54	-16.56	-	-	-	-	208	203	V
3	6.036	43.1	PK-U	35.4	-22.3	56.2	-	-	-	-	68.2	-12	31	101	H
4	9.998	37.96	PK-U	37.2	-27.2	47.96	-	-	-	-	68.2	-20.24	102	111	H
5	12.733	36.73	PK-U	39.3	-24.7	51.33	-	-	-	-	68.2	-16.87	164	233	V
6	15.07	37.15	PK-U	40.4	-25.4	52.15	-	-	-	-	68.2	-16.05	256	201	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



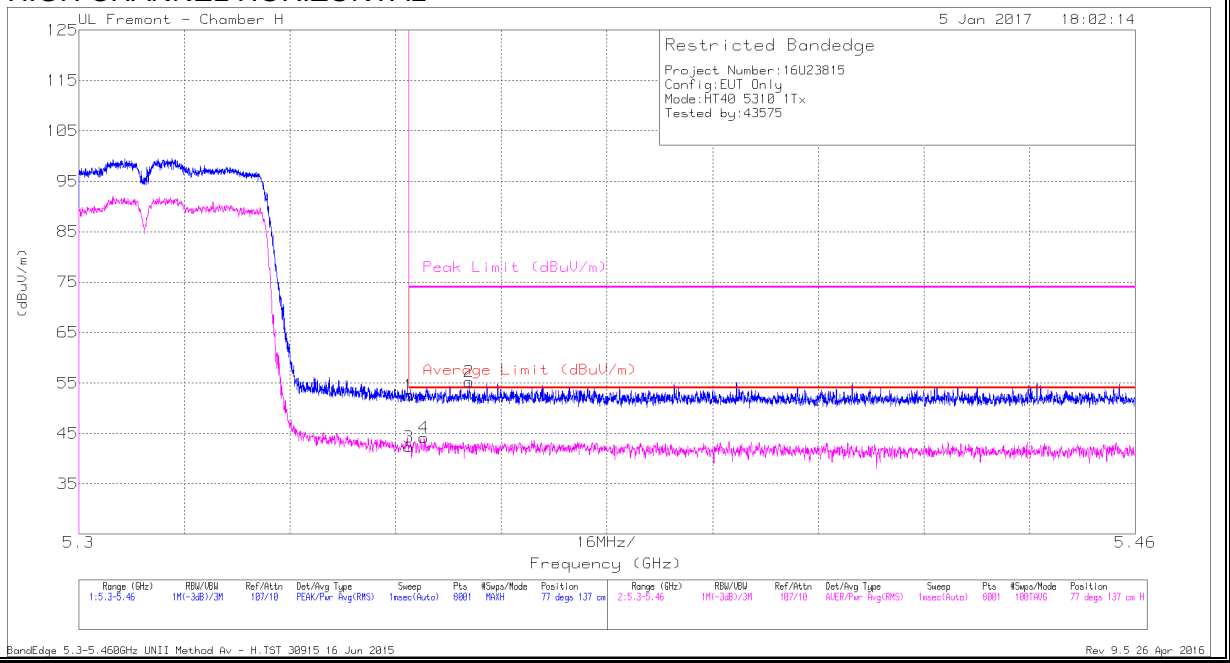
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.882	41.86	PK-U	32.6	-32.7	41.76	-	-	74	-32.24	-	-	170	201	H
	* 2.884	30.56	ADR	32.6	-32.7	30.46	54	-23.54	-	-	-	-	170	201	H
2	* 3.713	41.48	PK-U	34.2	-32.1	43.58	-	-	74	-30.42	-	-	274	201	V
	* 3.714	30.24	ADR	34.2	-32.1	32.34	54	-21.66	-	-	-	-	274	201	V
3	* 4.573	40.19	PK-U	34.3	-31.4	43.09	-	-	74	-30.91	-	-	358	101	V
	* 4.575	29.79	ADR	34.3	-31.4	32.69	54	-21.31	-	-	-	-	358	101	V
4	13.475	36.98	PK-U	39.2	-26.1	50.08	-	-	-	-	68.2	-18.12	194	202	H
5	16.519	37.07	PK-U	41.6	-24.7	53.97	-	-	-	-	68.2	-14.23	34	101	H
6	14.766	37.21	PK-U	40.1	-25.6	51.71	-	-	-	-	68.2	-16.49	0	202	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average

9.2.13. 11n HT40 ANTENNA A SISO MODE IN THE 5.3GHz BAND

AUTHORIZED BANDEDGE (HIGH CHANNEL)

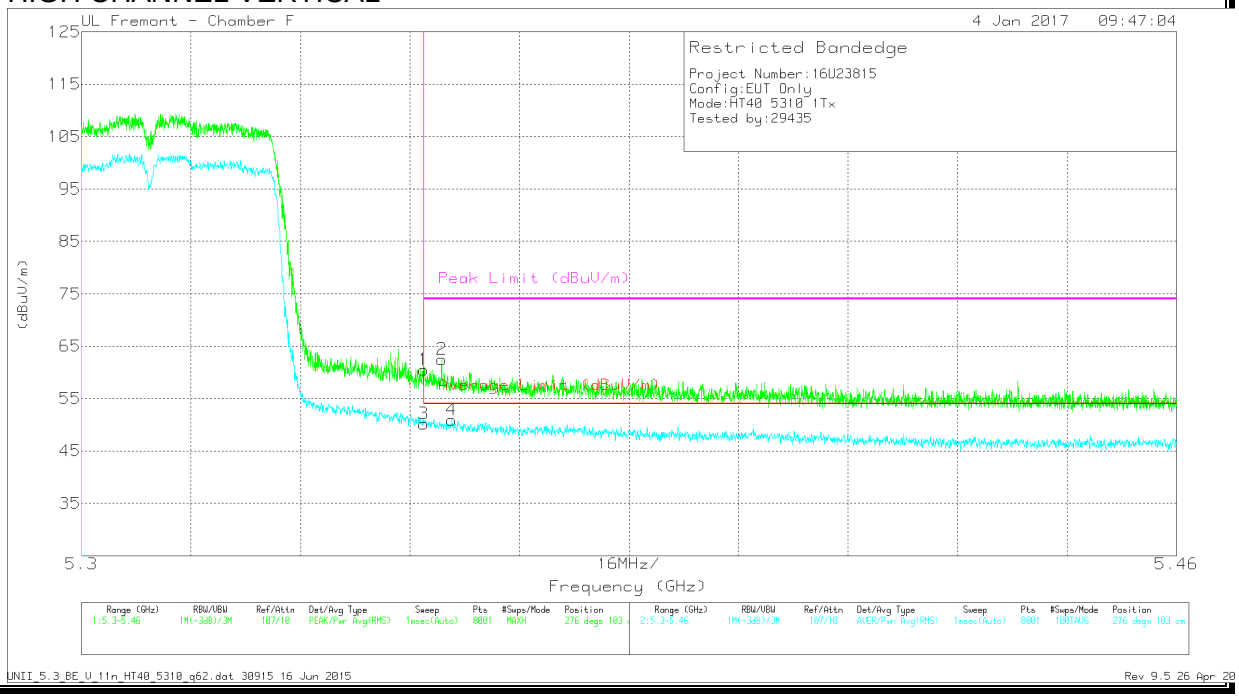
HIGH CHANNEL HORIZONTAL



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	42.78	Pk	34.6	-24.8	0	52.58	-	-	74	-21.42	77	137	H
2	* 5.359	45.47	Pk	34.6	-24.8	0	55.27	-	-	74	-18.73	77	137	H
3	* 5.35	32.41	RMS	34.6	-24.8	.1	42.31	54	-11.69	-	-	77	137	H
4	* 5.352	34.28	RMS	34.6	-24.8	.1	44.18	54	-9.82	-	-	77	137	H

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

HIGH CHANNEL VERTICAL



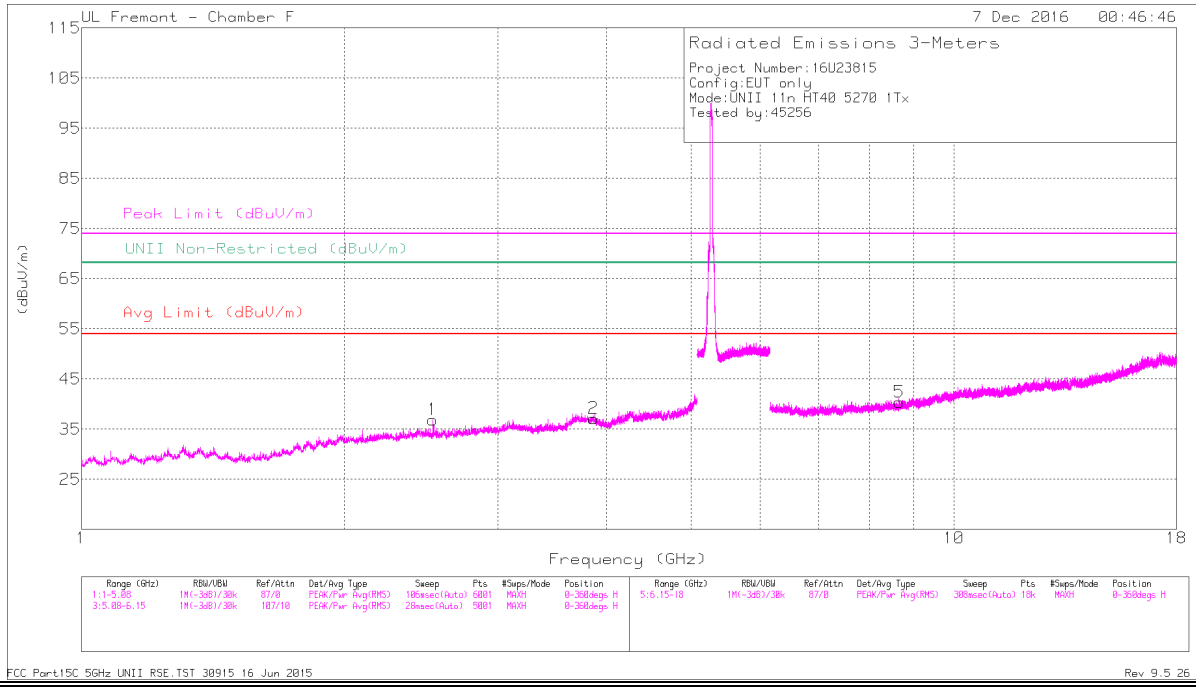
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	44.58	Pk	34.5	-18.6	0	60.48	-	-	74	-13.52	276	103	V
2	* 5.353	46.55	Pk	34.5	-18.6	0	62.45	-	-	74	-11.55	276	103	V
3	* 5.35	34.24	RMS	34.5	-18.6	.1	50.3	54	-3.7	-	-	276	103	V
4	* 5.354	35	RMS	34.5	-18.6	.1	51	54	-3	-	-	276	103	V

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

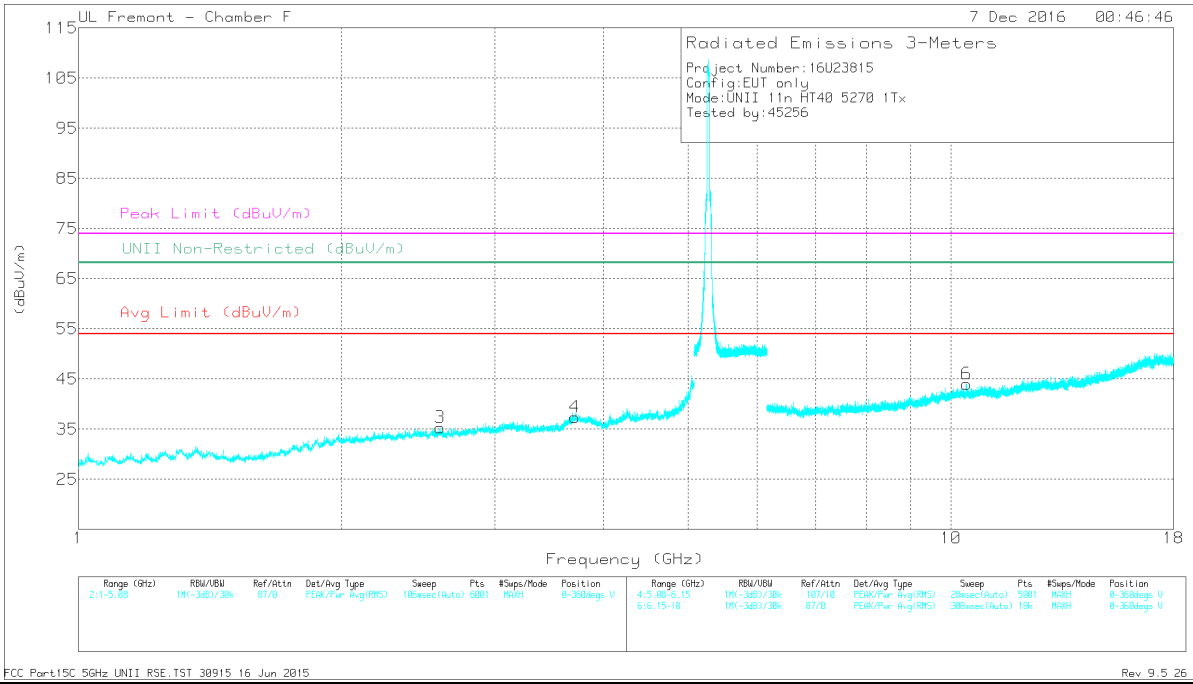
HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



FCC Part15C 5GHz UNII RSE.TST 30915 16 Jun 2015 Rev 9.5 26 Apr 20

LOW CHANNEL VERTICAL

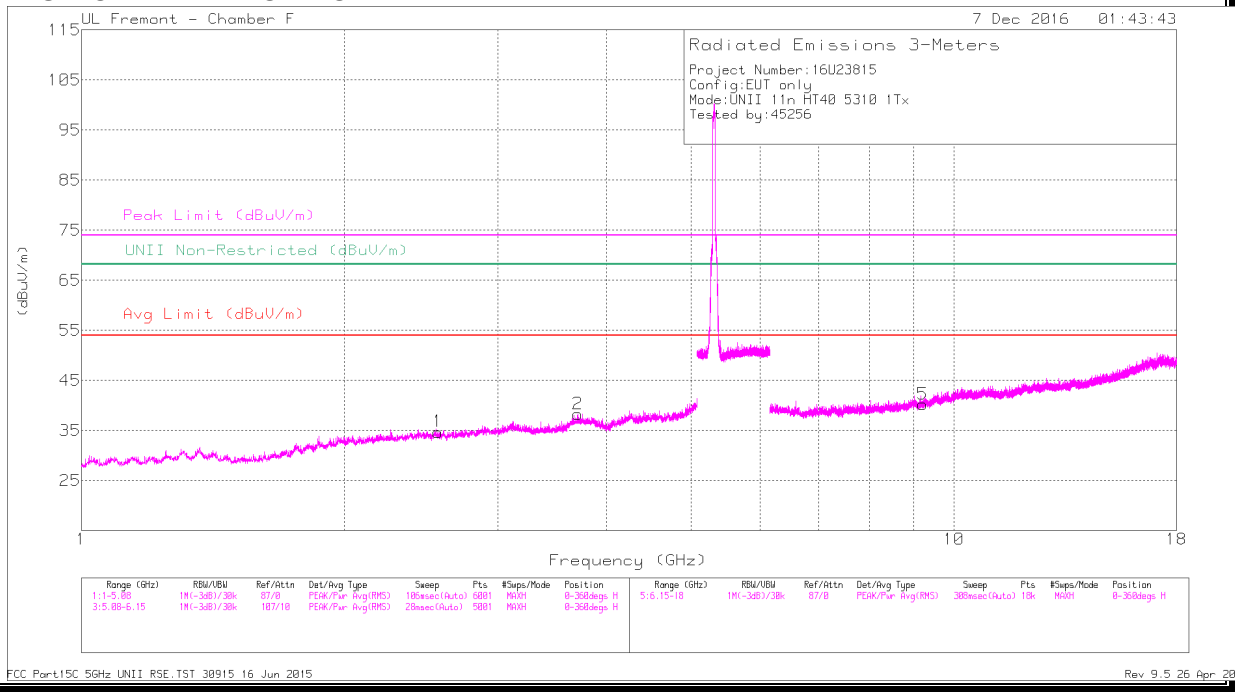


FCC Part15C 5GHz UNII RSE.TST 30915 16 Jun 2015 Rev 9.5 26 Apr 20

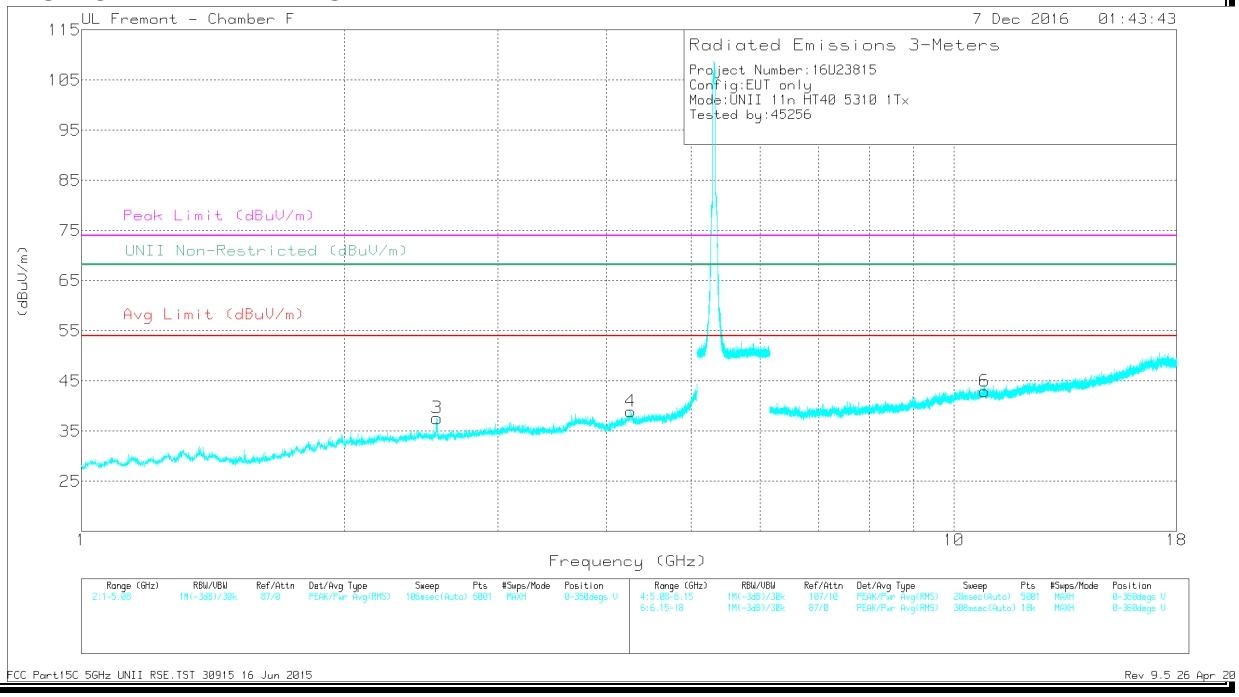
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.528	40.72	PK-U	32.3	-30.7	0	42.32	-	-	-	-	68.2	-25.88	281	111	H
2	* 3.866	38.18	PK-U	33.4	-28.5	0	43.08	-	-	74	-30.92	-	-	61	382	H
	* 3.866	27.97	ADR	33.4	-28.5	.1	32.97	54	-21.03	-	-	-	-	61	382	H
3	2.6	40.28	PK-U	32.2	-30.2	0	42.28	-	-	-	-	68.2	-25.92	356	362	V
4	* 3.703	38.38	PK-U	33.3	-28.9	0	42.78	-	-	74	-31.22	-	-	173	149	V
	* 3.703	27.65	ADR	33.3	-28.9	.1	32.15	54	-21.85	-	-	-	-	173	149	V
5	8.655	34.44	PK-U	35.8	-23.4	0	46.84	-	-	-	-	68.2	-21.36	129	363	H
6	10.427	33.07	PK-U	37.4	-21	0	49.47	-	-	-	-	68.2	-18.73	193	202	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL

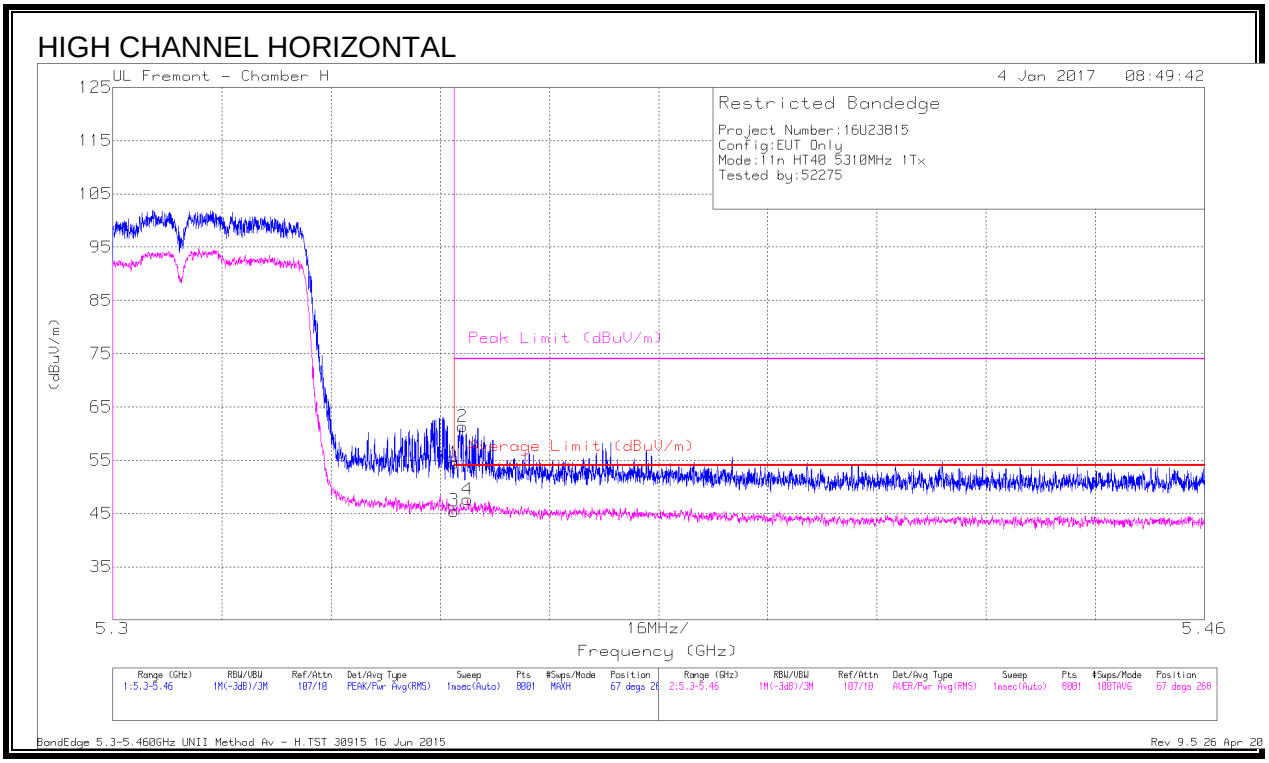


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.561	40.96	PK-U	32.2	-30.2	0	42.96	-	-	-	-	68.2	-25.24	187	336	H
2	* 3.705	38.98	PK-U	33.3	-28.9	0	43.38	-	-	74	-30.62	-	-	157	332	H
	* 3.704	28.05	ADR	33.3	-28.9	.1	32.55	54	-21.45	-	-	-	-	157	332	H
3	2.556	39.91	PK-U	32.2	-30.2	0	41.91	-	-	-	-	68.2	-26.29	186	349	V
4	* 4.261	37.37	PK-U	33.7	-26.5	0	44.57	-	-	74	-29.43	-	-	89	106	V
	* 4.261	26.64	ADR	33.7	-26.4	.1	34.04	54	-19.96	-	-	-	-	89	106	V
5	9.215	33.9	PK-U	36.2	-22.8	0	47.3	-	-	-	-	68.2	-20.9	161	246	H
6	* 10.847	33.09	PK-U	37.8	-21.8	0	49.09	-	-	74	-24.91	-	-	351	277	V
	* 10.845	22.94	ADR	37.8	-21.8	.1	39.04	54	-14.96	-	-	-	-	351	277	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average

9.2.14. 11n HT40 ANTENNA B SISO MODE IN THE 5.3GHz BAND

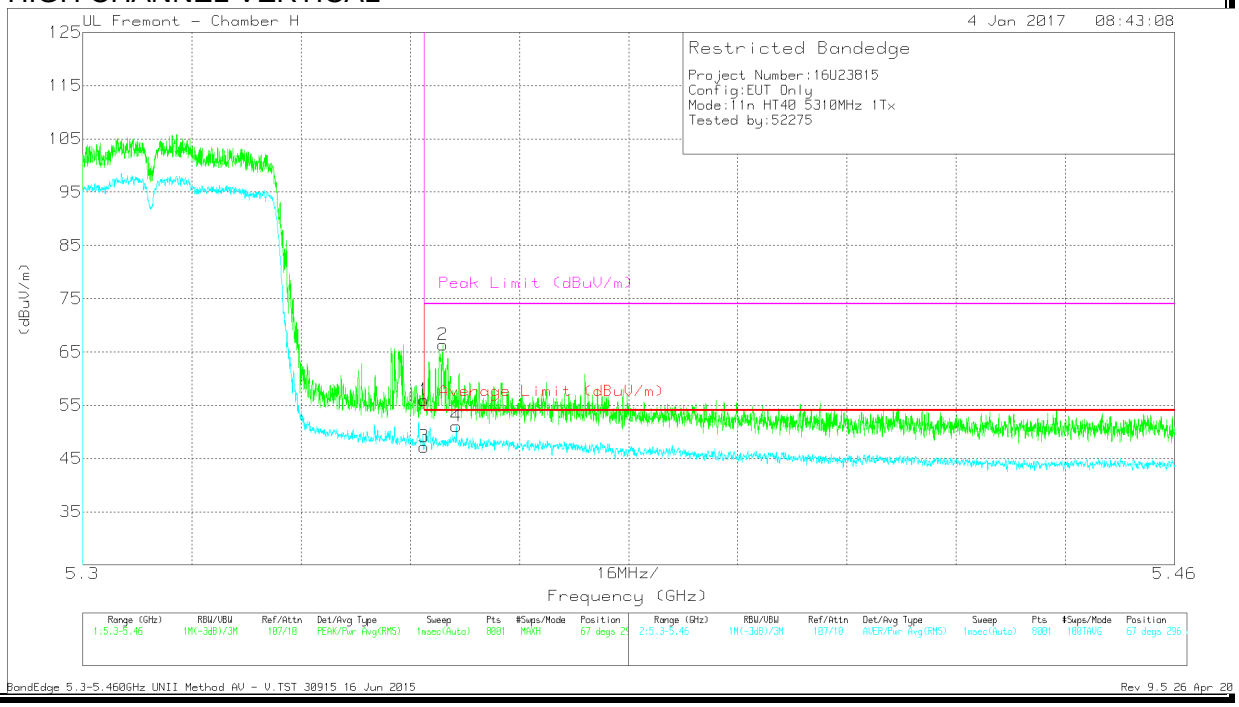
AUTHORIZED BANDEDGE (HIGH CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	44.66	Pk	34.6	-24.8	0	54.46	-	-	74	-19.54	67	268	H
2	* 5.351	51.52	Pk	34.6	-24.8	0	61.32	-	-	74	-12.68	67	268	H
3	* 5.35	35.56	RMS	34.6	-24.8	.1	45.46	54	-8.54	-	-	67	268	H
4	* 5.352	37.72	RMS	34.6	-24.8	.1	47.62	54	-6.38	-	-	67	268	H

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

HIGH CHANNEL VERTICAL

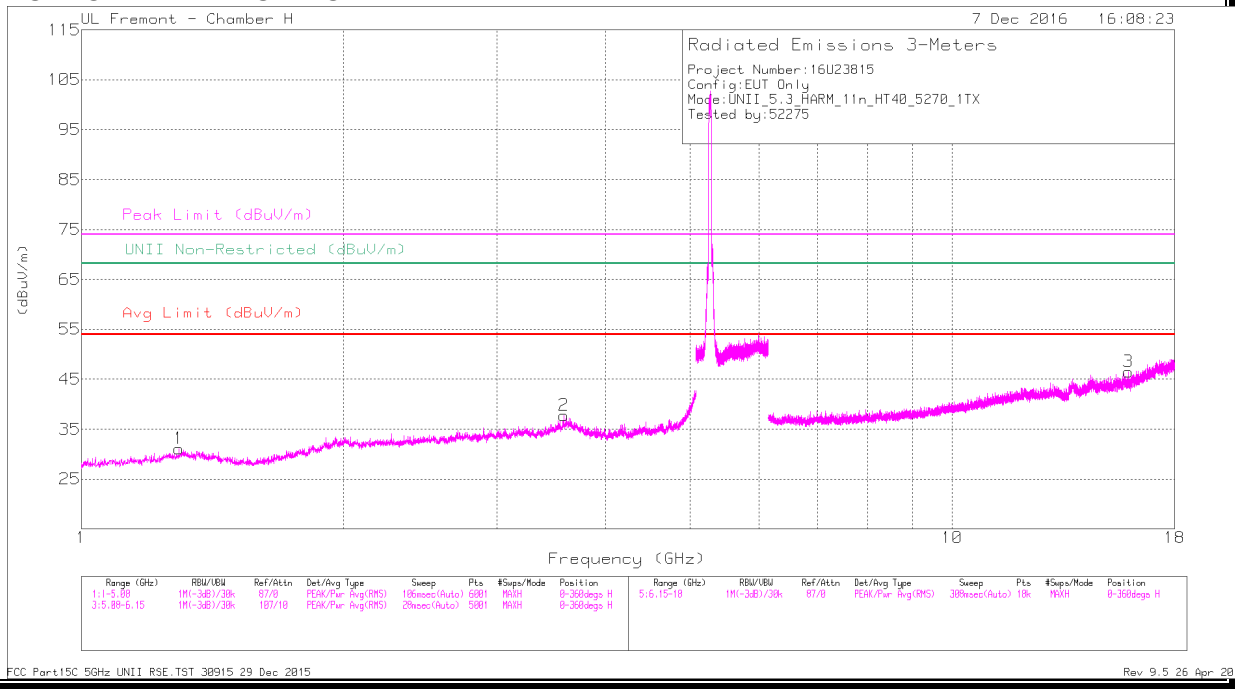


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	46.16	Pk	34.6	-24.8	0	55.96	-	-	74	-18.04	67	296	V
2	* 5.353	56.53	Pk	34.6	-24.8	0	66.33	-	-	74	-7.67	67	296	V
3	* 5.35	37.26	RMS	34.6	-24.8	.1	47.16	54	-6.84	-	-	67	296	V
4	* 5.355	41.1	RMS	34.6	-24.8	.1	51	54	-3	-	-	67	296	V

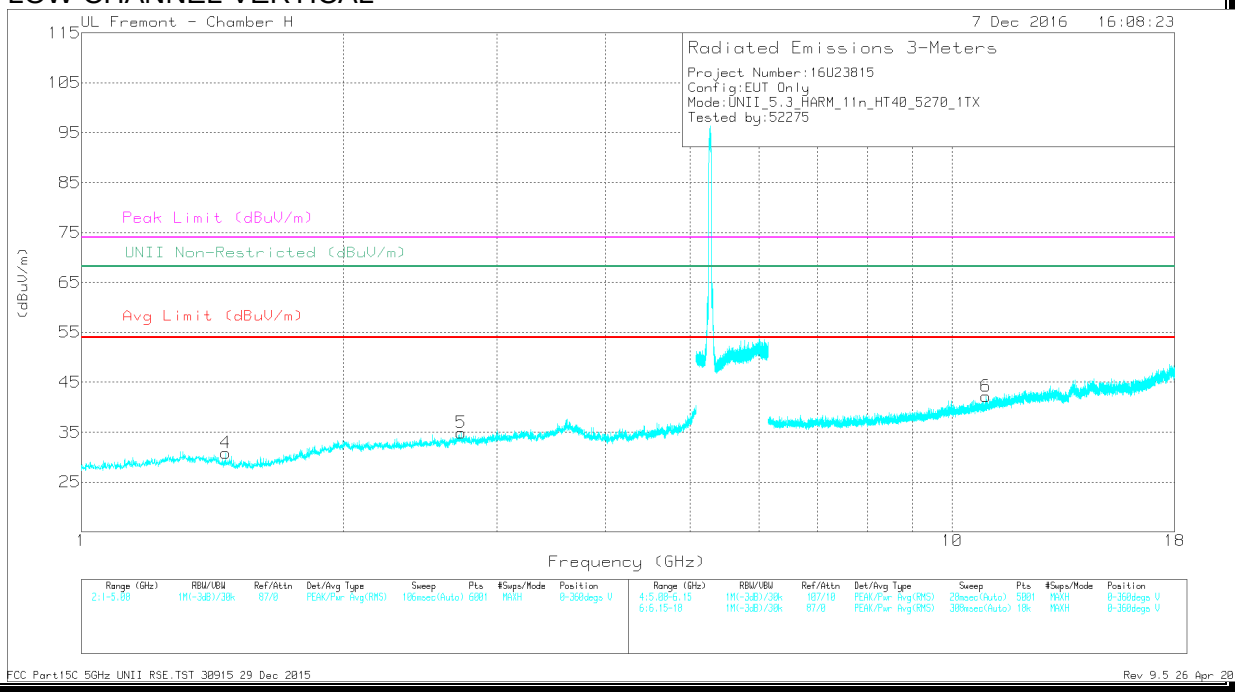
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



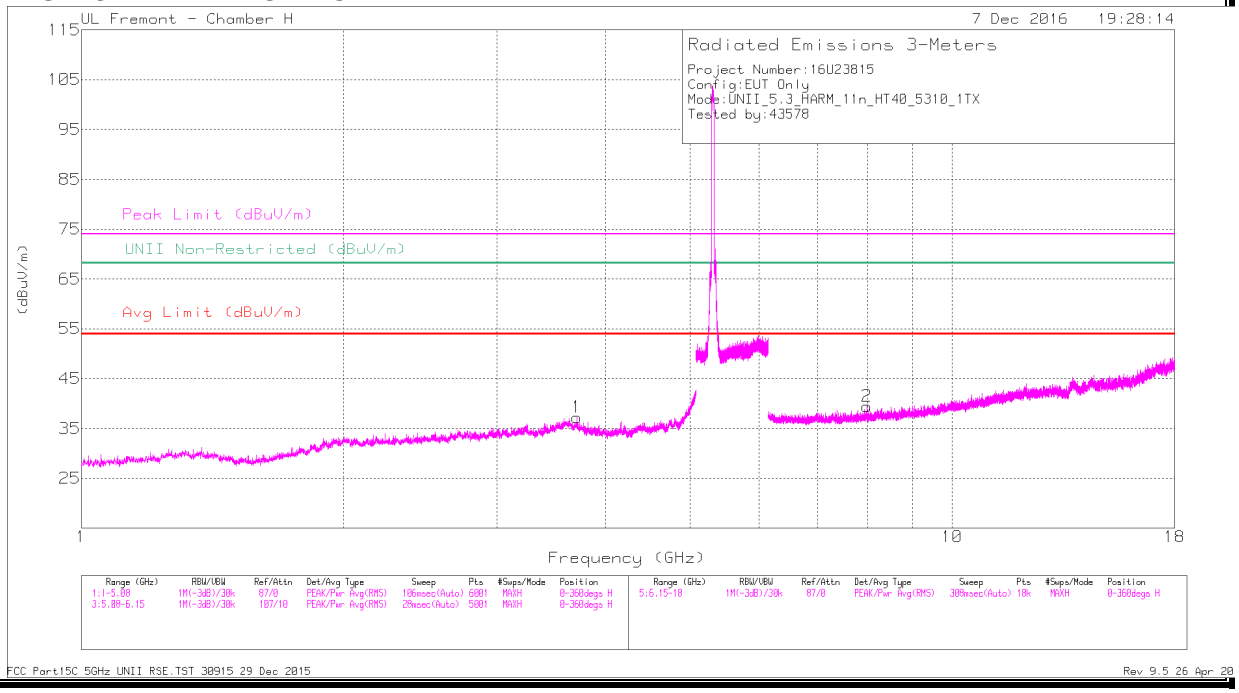
LOW CHANNEL VERTICAL



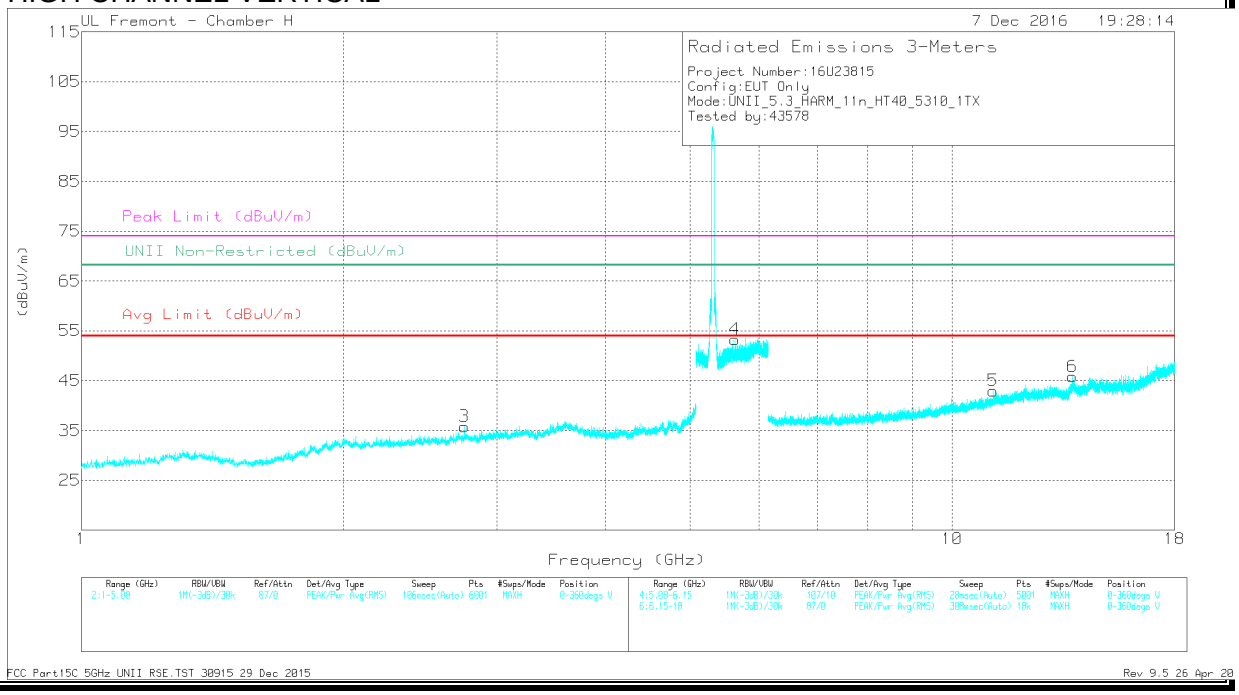
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.293	45.45	PK-U	29.7	-37.5	0	37.65	-	-	74	-36.35	-	-	181	177	H
	* 1.294	34.06	ADR	29.7	-37.5	.1	26.36	54	-27.64	-	-	-	-	181	177	H
2	* 3.581	44.64	PK-U	34.8	-35.9	0	43.54	-	-	74	-30.46	-	-	311	173	H
	* 3.581	33.52	ADR	34.8	-35.9	.1	32.52	54	-21.48	-	-	-	-	311	173	H
4	* 1.467	46.46	PK-U	28.4	-37.6	0	37.26	-	-	74	-36.74	-	-	52	268	V
	* 1.467	34.7	ADR	28.4	-37.6	.1	25.6	54	-28.4	-	-	-	-	52	268	V
5	* 2.727	46.66	PK-U	32.6	-37.9	0	41.36	-	-	74	-32.64	-	-	315	277	V
	* 2.729	35.44	ADR	32.6	-37.9	.1	30.24	54	-23.76	-	-	-	-	315	277	V
3	* 15.93	36.05	PK-U	40.3	-24.5	0	51.85	-	-	74	-22.15	-	-	136	100	H
	* 15.93	24.64	ADR	40.3	-24.5	.1	40.54	54	-13.46	-	-	-	-	136	100	H
6	* 10.922	37.64	PK-U	38.2	-27.9	0	47.94	-	-	74	-26.06	-	-	74	187	V
	* 10.921	26.21	ADR	38.2	-28	.1	36.51	54	-17.49	-	-	-	-	74	187	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.708	45.02	PK-U	34.8	-36.1	0	43.72	-	-	74	-30.28	-	-	278	208	H
	* 3.71	33.54	ADR	34.8	-36.1	.1	32.34	54	-21.66	-	-	-	-	278	208	H
2	7.975	39.72	PK-U	35.9	-30.5	0	45.12	-	-	-	-	68.2	-23.08	140	400	H
3	* 2.756	46.51	PK-U	32.6	-37.8	0	41.31	-	-	74	-32.69	-	-	339	331	V
	* 2.756	35.39	ADR	32.6	-37.8	.1	30.29	54	-23.71	-	-	-	-	339	331	V
4	5.635	41.22	PK-U	34.7	-15.3	0	60.62	-	-	-	-	68.2	-7.58	254	156	V
5	* 11.147	38.07	PK-U	38.4	-27.3	0	49.17	-	-	74	-24.83	-	-	232	346	V
	* 11.148	26.31	ADR	38.4	-27.3	.1	37.51	54	-16.49	-	-	-	-	232	346	V
6	13.741	36.96	PK-U	39	-24.2	0	51.76	-	-	-	-	68.2	-16.44	23	186	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average