8.33. 11n HT40 2TX CDD MIMO MODE IN THE 5.8GHz BAND

8.33.1. 6 dB BANDWIDTH

LIMITS

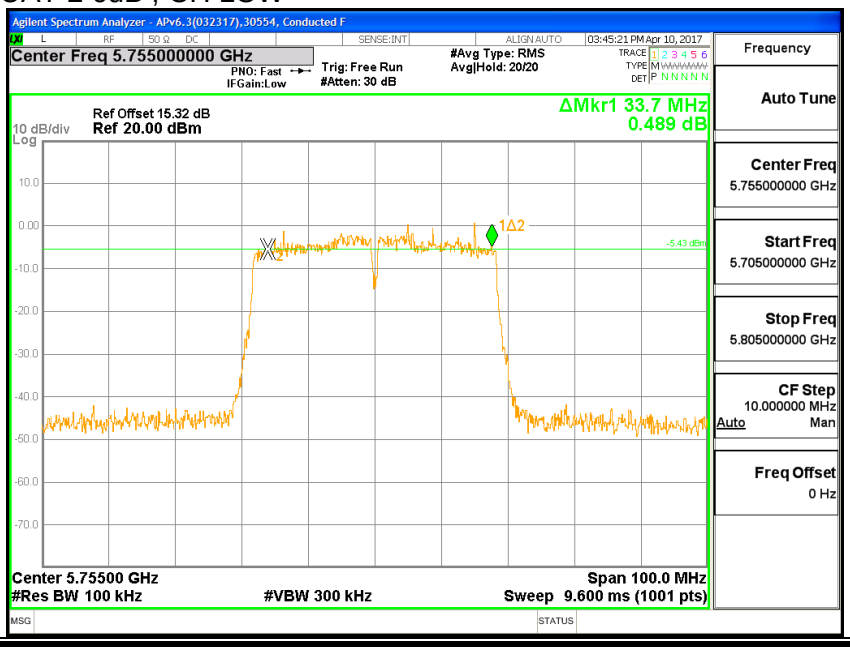
FCC §15.407 (e)

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

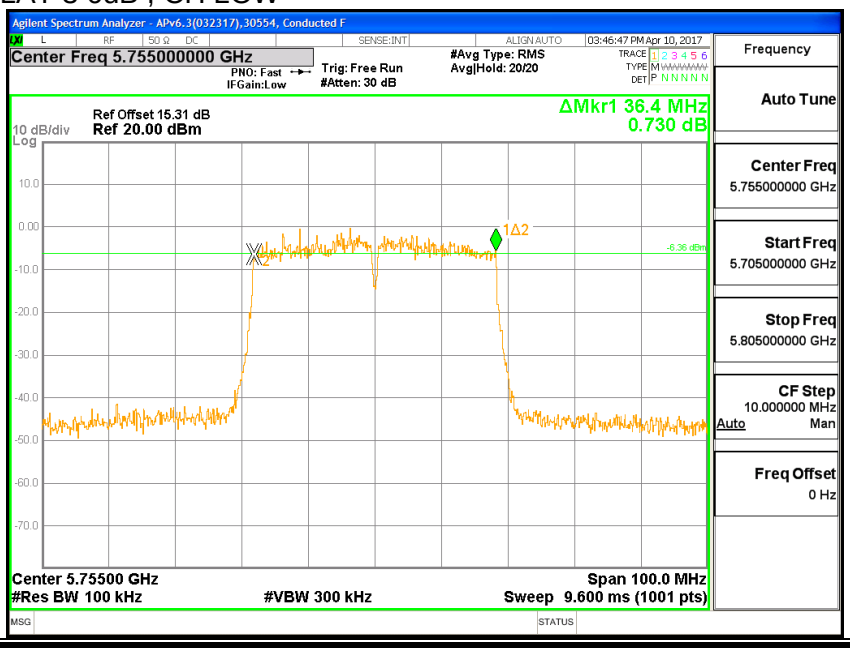
RESULTS

Channel	Frequency	6 dB BW UAT 2 (MHz)	6 dB BW LAT 3 (MHz)	Minimum Limit (MHz)
Low	5755	33.7	36.4	0.5
High	5795	35.2	36.1	0.5

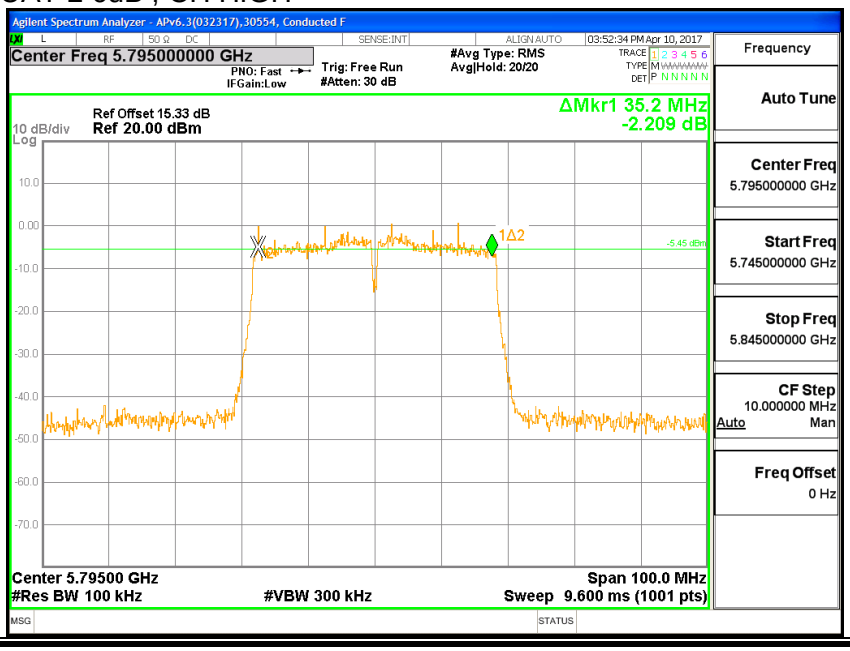
UAT 2 6dB , CH LOW



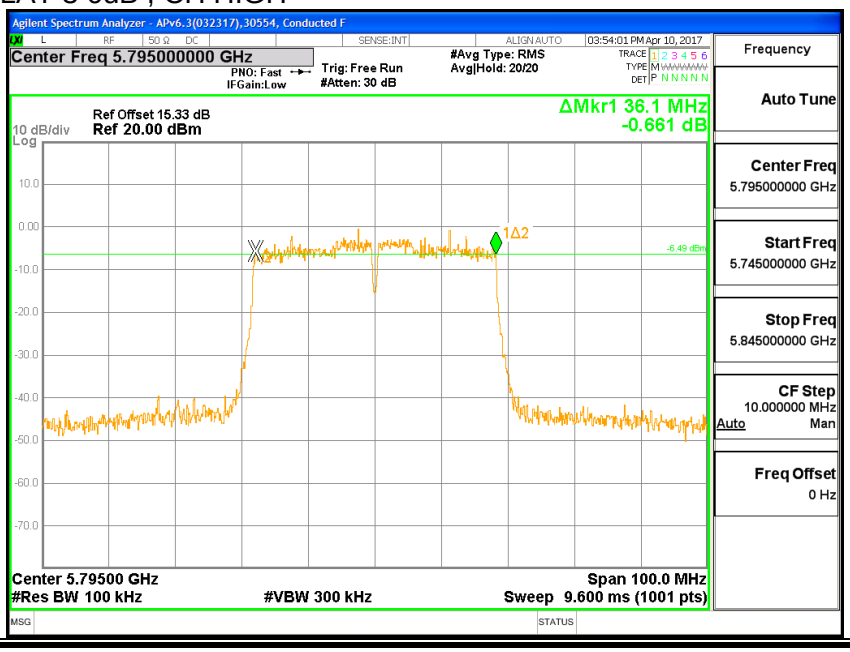
LAT 3 6dB , CH LOW



UAT 2 6dB , CH HIGH



LAT 3 6dB , CH HIGH



8.33.2. 26 dB BANDWIDTH

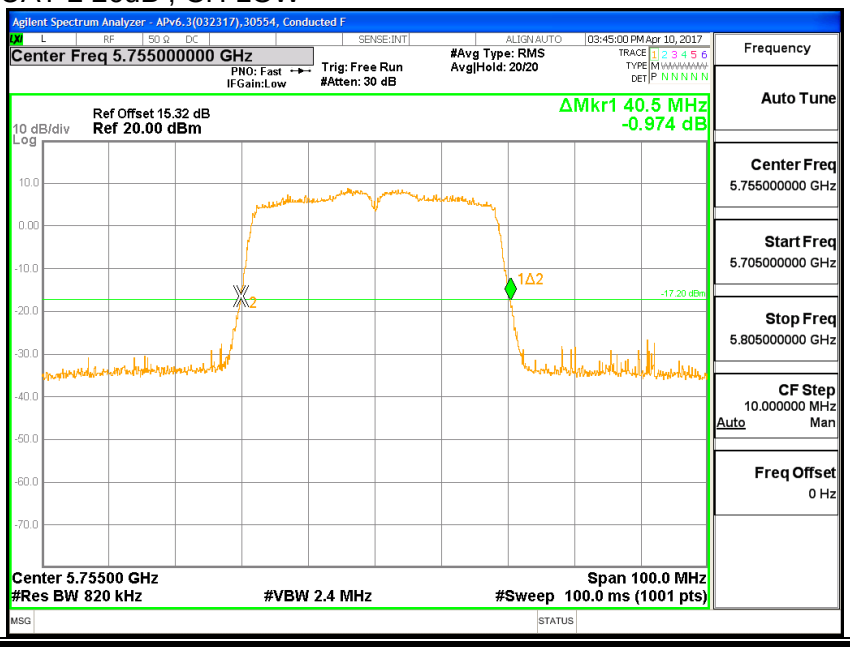
LIMITS

None; for reporting purposes only.

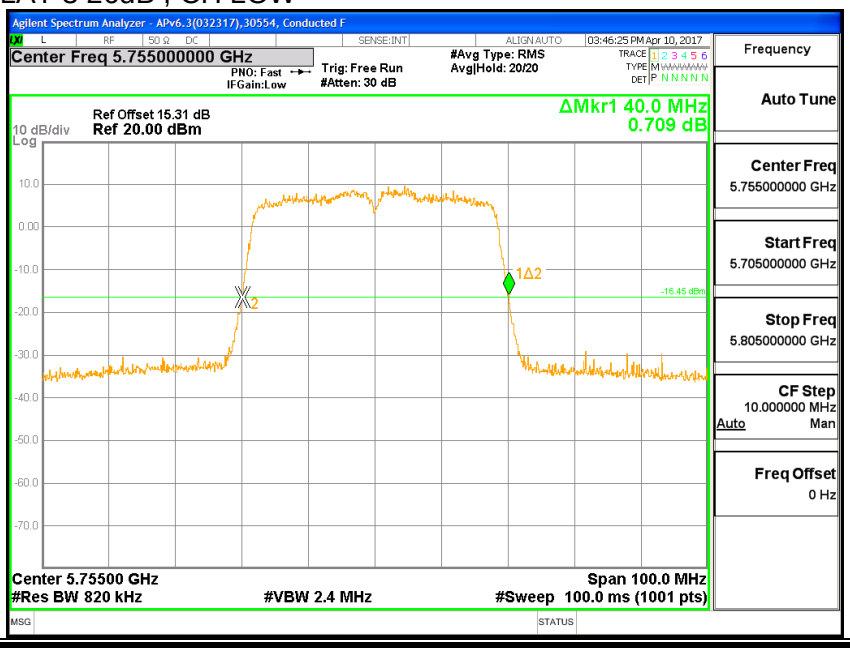
RESULTS

Channel	Frequency	26 dB BW UAT 2 (MHz)	26 dB BW LAT 3 (MHz)
Low	5755	40.5	40.0
High	5795	40.5	40.1

UAT 2 26dB , CH LOW

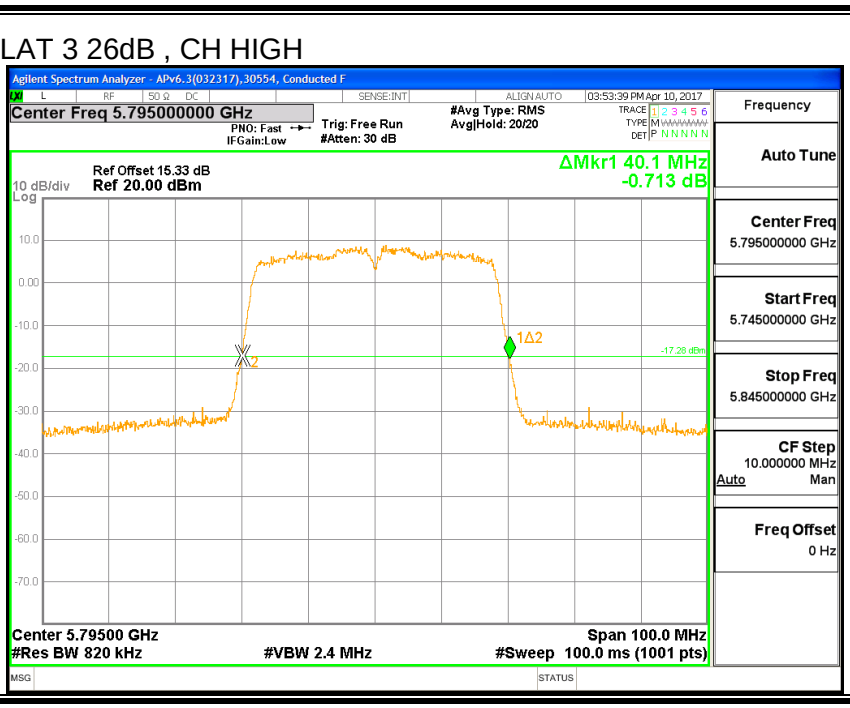


LAT 3 26dB , CH LOW



UAT 2 26dB , CH HIGH

LAT 3 26dB , CH HIGH



8.33.3. 99% BANDWIDTH

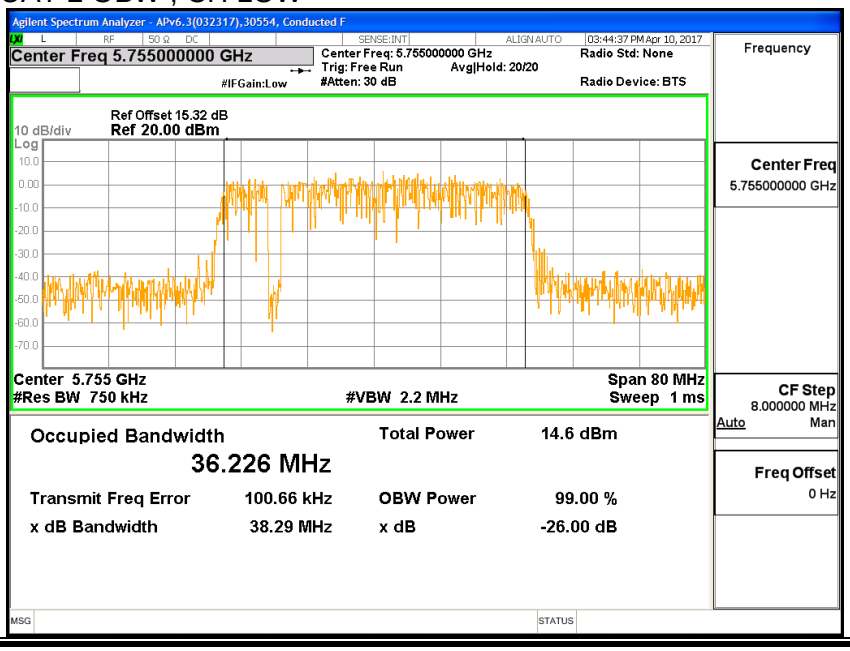
LIMITS

None; for reporting purposes only.

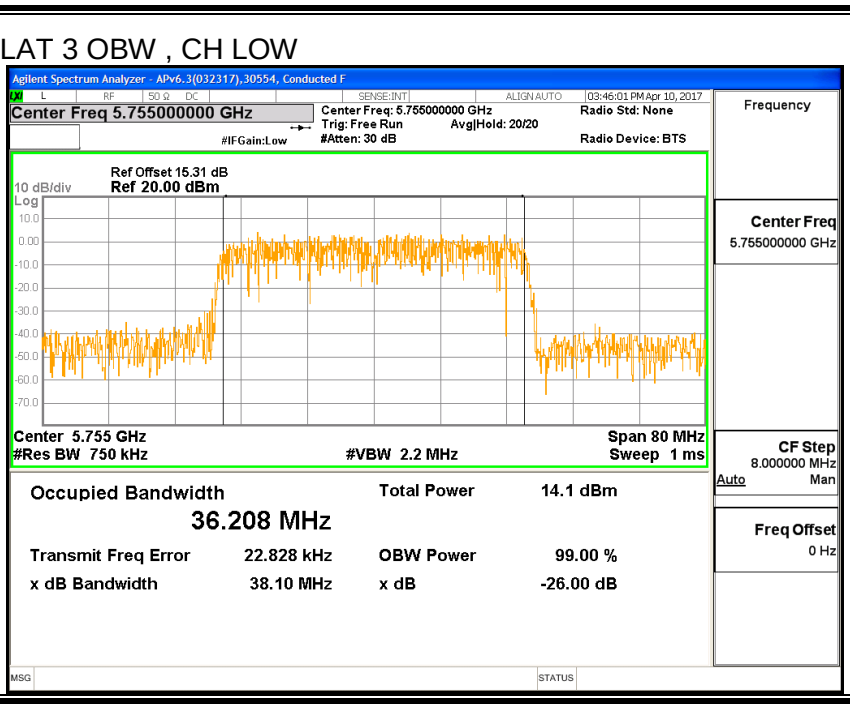
RESULTS

Channel	Frequency	99% BW UAT 2 (MHz)	99% BW LAT 3 (MHz)
Low	5755	36.226	36.208
High	5795	34.869	36.152

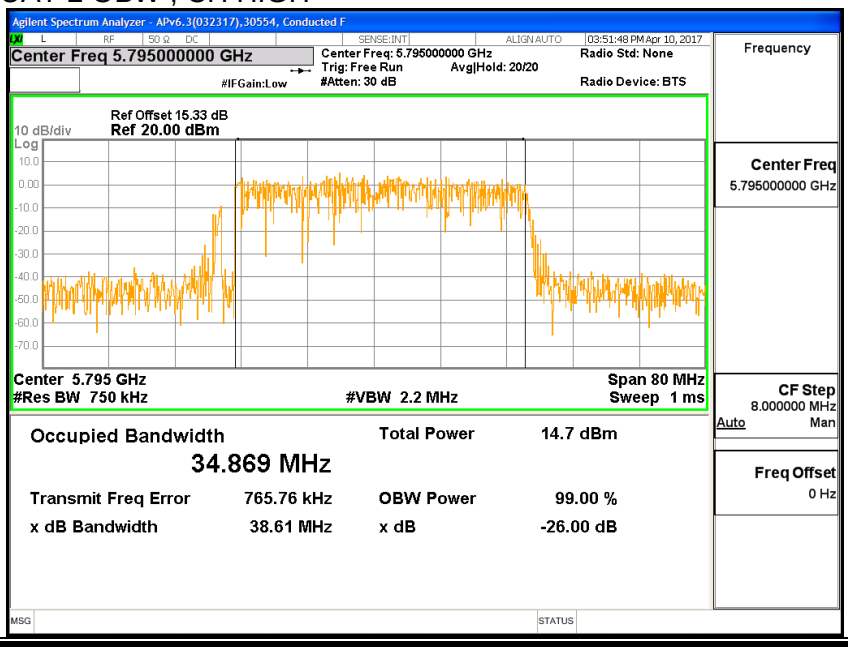
UAT 2 OBW , CH LOW



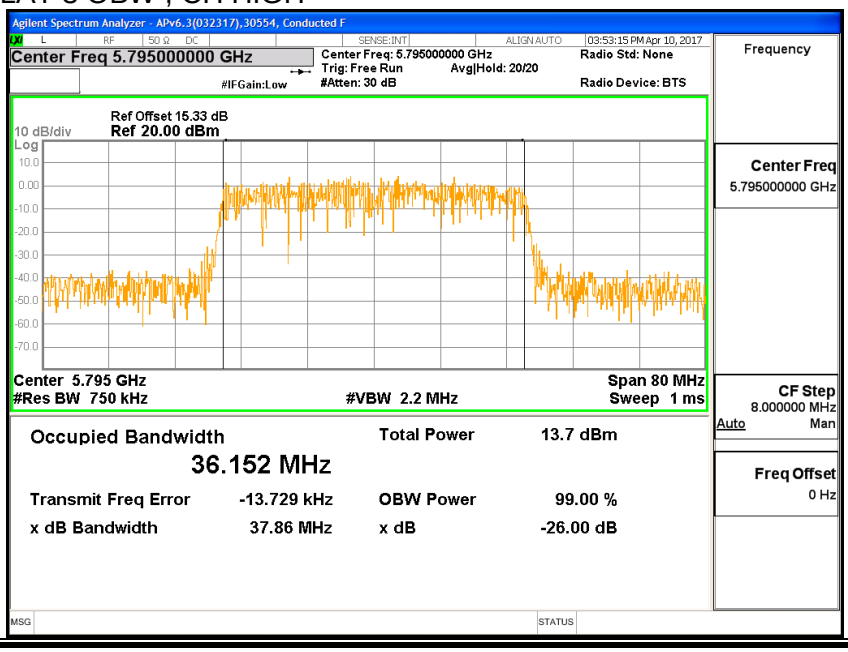
LAT 3 OBW , CH LOW



UAT 2 OBW , CH HIGH



LAT 3 OBW , CH HIGH



8.33.4. AVERAGE POWER

ID:	30554	Date:	7/13/2017

LIMITS

None; for reporting purposes only.

TEST PROCEDURE

Measurements perform using a wideband gated RF power meter.

RESULTS

Channel	Frequency (MHz)	UAT 2 Power (dBm)	LAT 3 Power (dBm)	Total Power (dBm)
Low	5755	19.44	19.41	22.44
High	5795	19.32	19.39	22.37

8.33.5. OUTPUT POWER

ID:	30554	Date:	7/13/2017

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:

UAT 2 Antenna Gain (dBi)	LAT 3 Antenna Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)
-1.61	-0.15	-0.82

RESULTS

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)
Low	5755	-0.82	30.00
High	5795	-0.82	30.00

Output Power Results

Channel	Frequency (MHz)	UAT 2 Meas Power (dBm)	LAT 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	19.44	19.41	22.44	30.00	-7.56
High	5795	19.32	19.39	22.37	30.00	-7.63

8.33.6. POWER SPECTRAL DENSITY

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:

UAT 2 Antenna Gain (dBi)	LAT 3 Antenna Gain (dBi)	Correlated Chains Directional Gain (dBi)
-1.61	-0.15	2.16

RESULTS

Antenna Gain and Limit

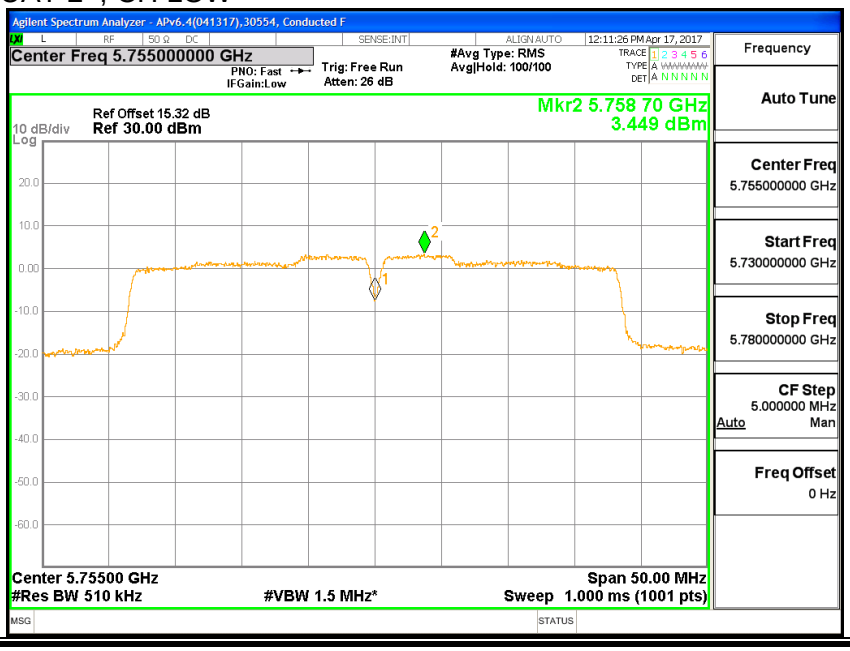
Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm)
Low	5755	2.16	30.00
High	5795	2.16	30.00

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

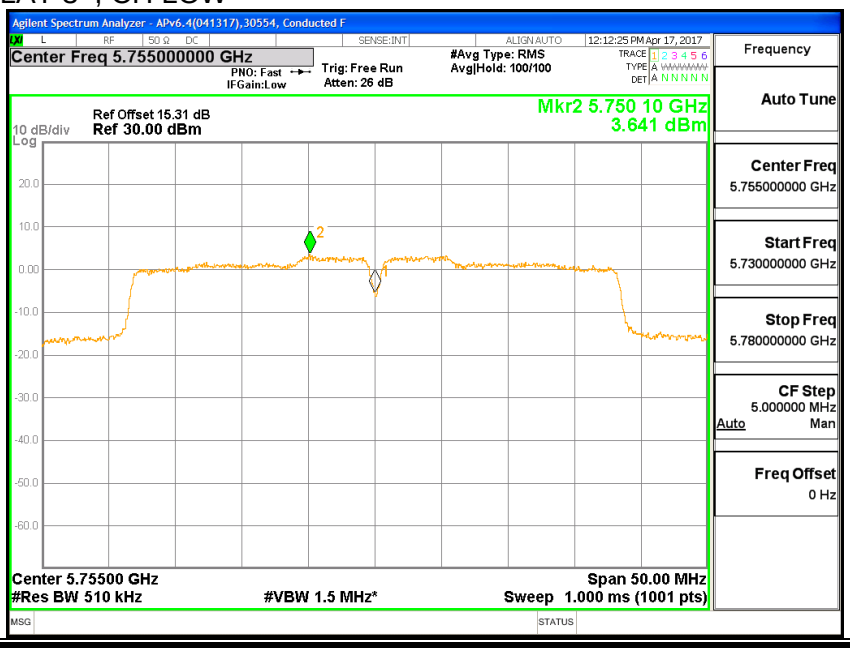
PSD Results

Channel	Frequency (MHz)	UAT 2 Meas PSD (dBm)	LAT 3 Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Low	5755	3.449	3.641	6.66	30.00	-23.34
High	5795	3.485	3.368	6.54	30.00	-23.46

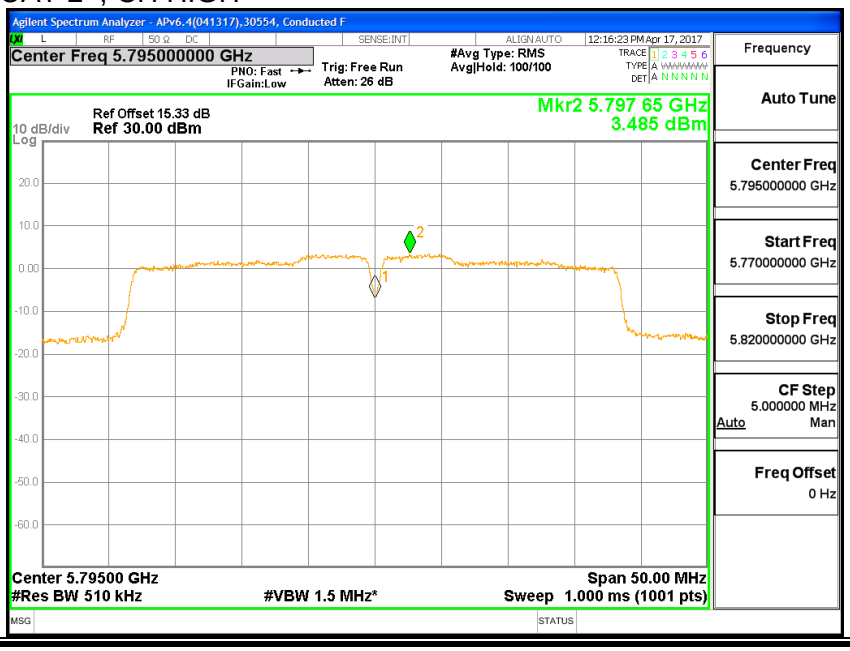
UAT 2 , CH LOW



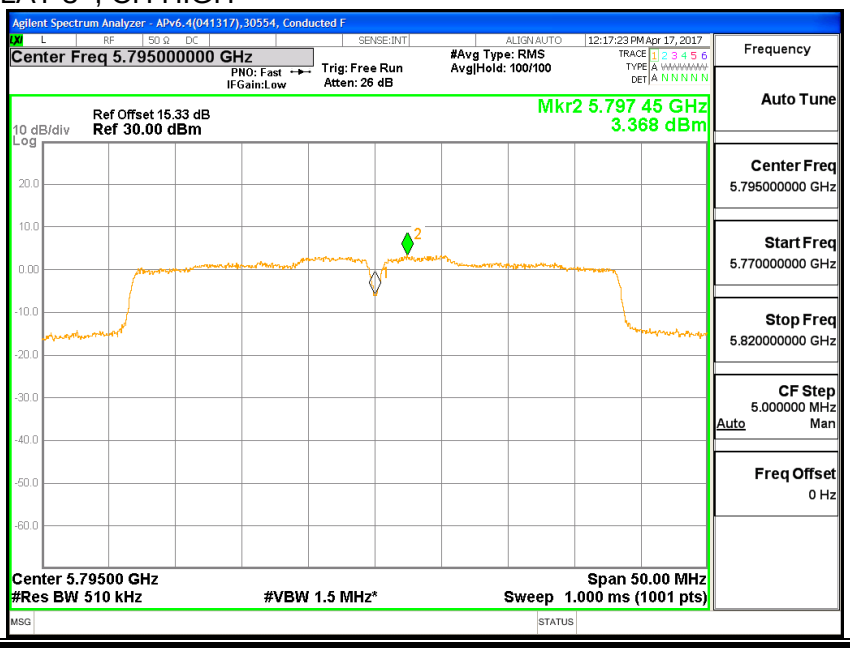
LAT 3 , CH LOW



UAT 2 , CH HIGH



LAT 3 , CH HIGH



8.34. 11ac HT80 UAT 2 SISO MODE IN THE 5.8GHz BAND

8.34.1. 6 dB BANDWIDTH

LIMITS

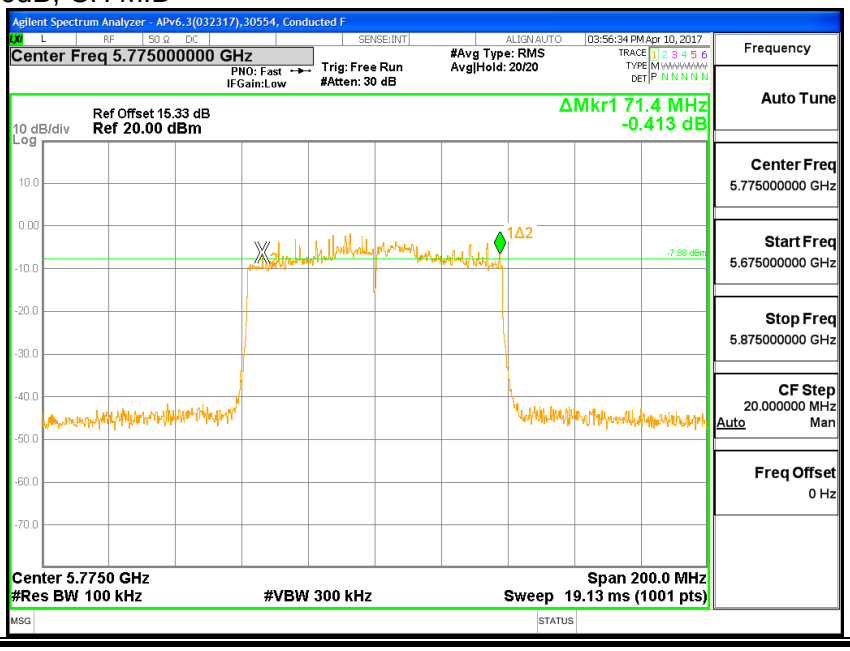
FCC §15.407 (e)

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

RESULTS

Channel	Frequency	6 dB BW UAT 2 (MHz)	Minimum Limit (MHz)
Mid	5775	71.4	0.5

6dB, CH MID



8.34.2. 26 dB BANDWIDTH

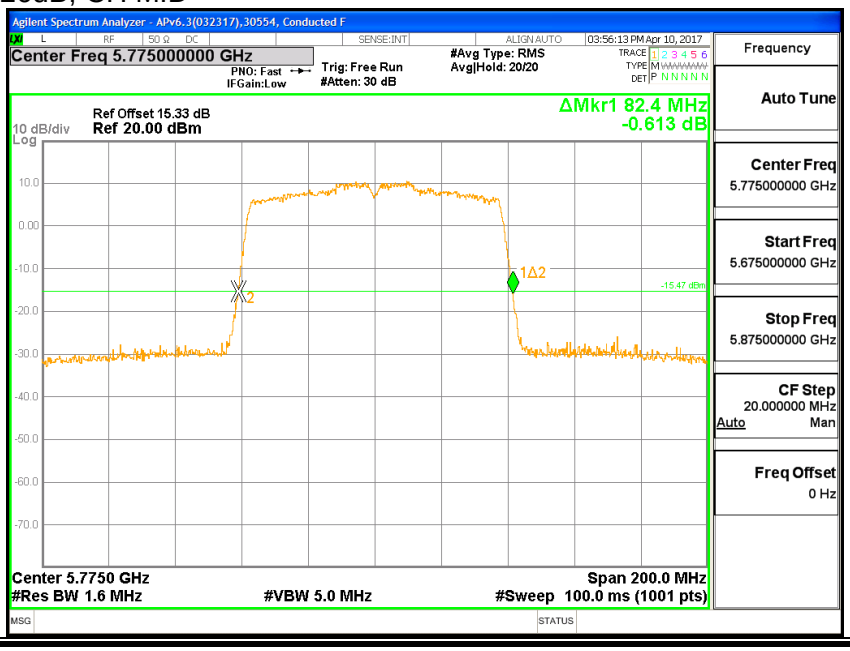
LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency	26 dB BW UAT 2 (MHz)
Mid	5775	82.4

26dB, CH MID



8.34.3. 99% BANDWIDTH

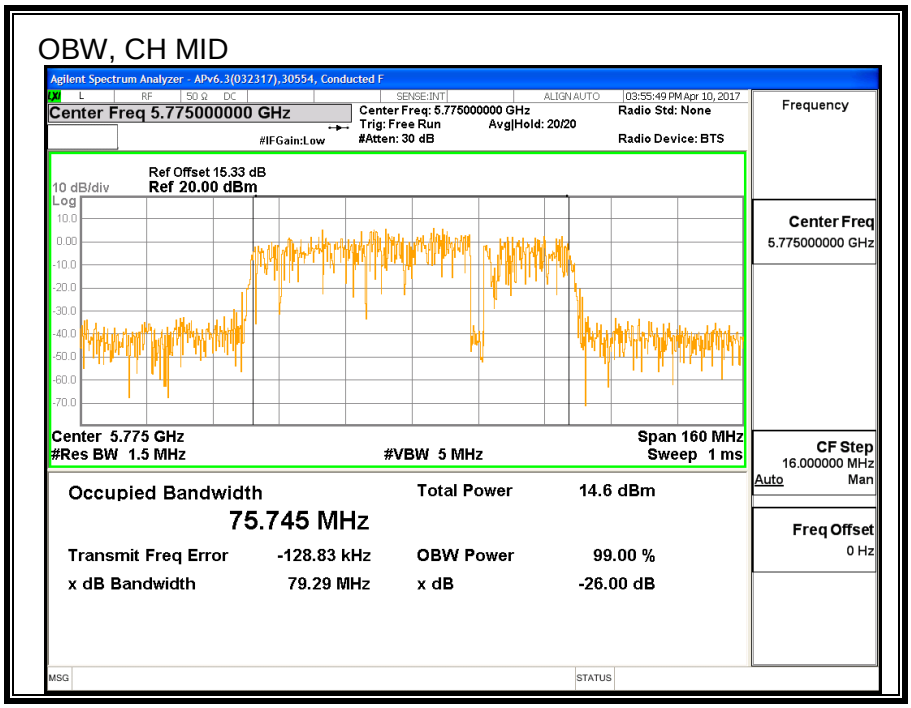
LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency	99% BW UAT 2 (MHz)
Mid	5775	75.745

OBW, CH MID



8.34.4. AVERAGE POWER

ID:	30554	Date:	7/13/2017

LIMITS

None; for reporting purposes only.

TEST PROCEDURE

Measurements perform using a wideband gated RF power meter.

RESULTS

Channel	Frequency	Power UAT 2 (dBm)
Mid	5775	18.95

8.34.5. OUTPUT POWER

ID:	30554	Date:	7/13/2017

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

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)
Mid	5775	1.61	30.00

Output Power Results

Channel	Frequency (MHz)	UAT 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	18.95	18.95	30.00	-11.05

8.34.6. POWER SPECTRAL DENSITY

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

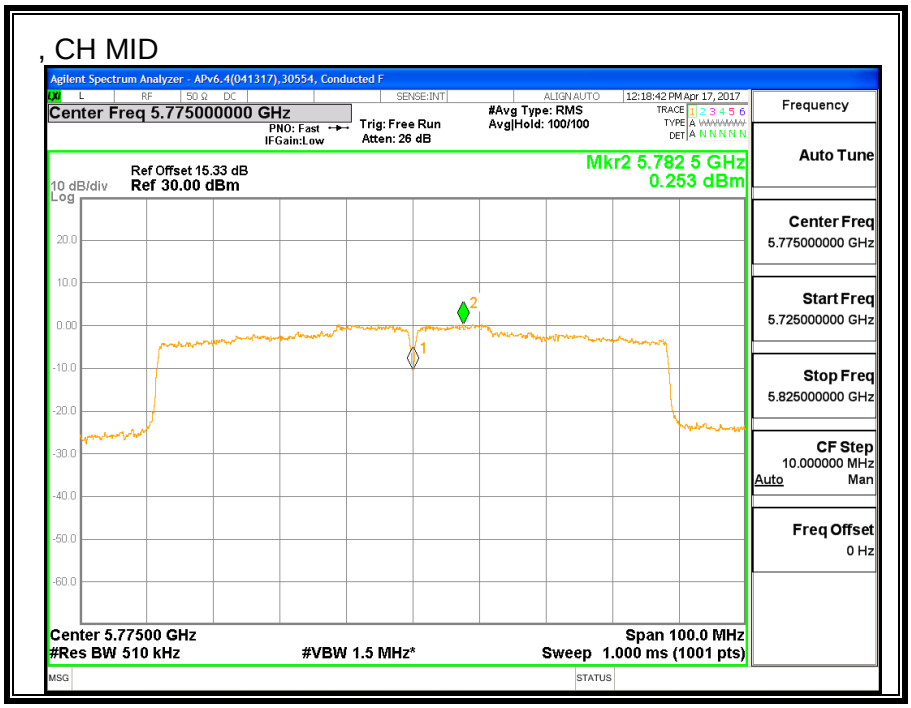
Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm)
Mid	5775	-1.61	30.00

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

PSD Results

Channel	Frequency (MHz)	UAT 2 Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Mid	5775	0.253	0.453	30.00	-29.55

, CH MID



8.35. 11ac HT80 LAT 3 SISO MODE IN THE 5.8GHz BAND

8.35.1. 6 dB BANDWIDTH

LIMITS

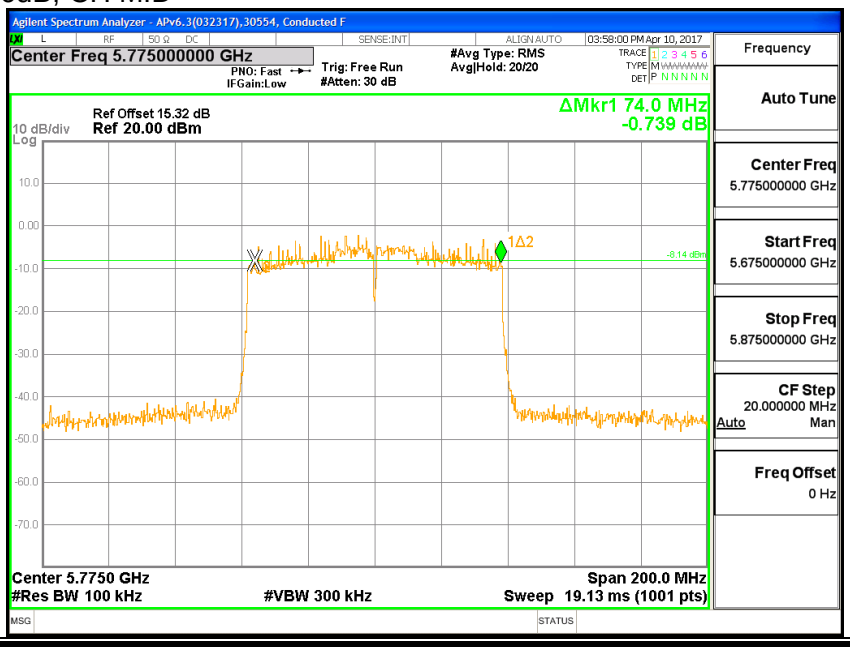
FCC §15.407 (e)

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

RESULTS

Channel	Frequency	6 dB BW LAT 3 (MHz)	Minimum Limit (MHz)
Mid	5775	74.0	0.5

6dB, CH MID



8.35.2. 26 dB BANDWIDTH

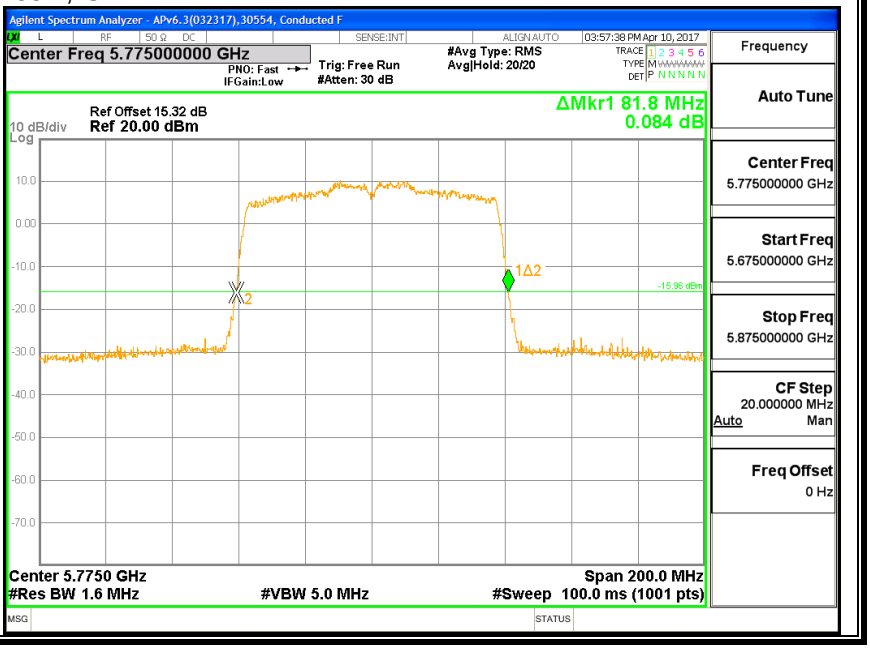
LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency	26 dB BW LAT 3 (MHz)
Mid	5775	81.8

26dB, CH MID



8.35.3. 99% BANDWIDTH

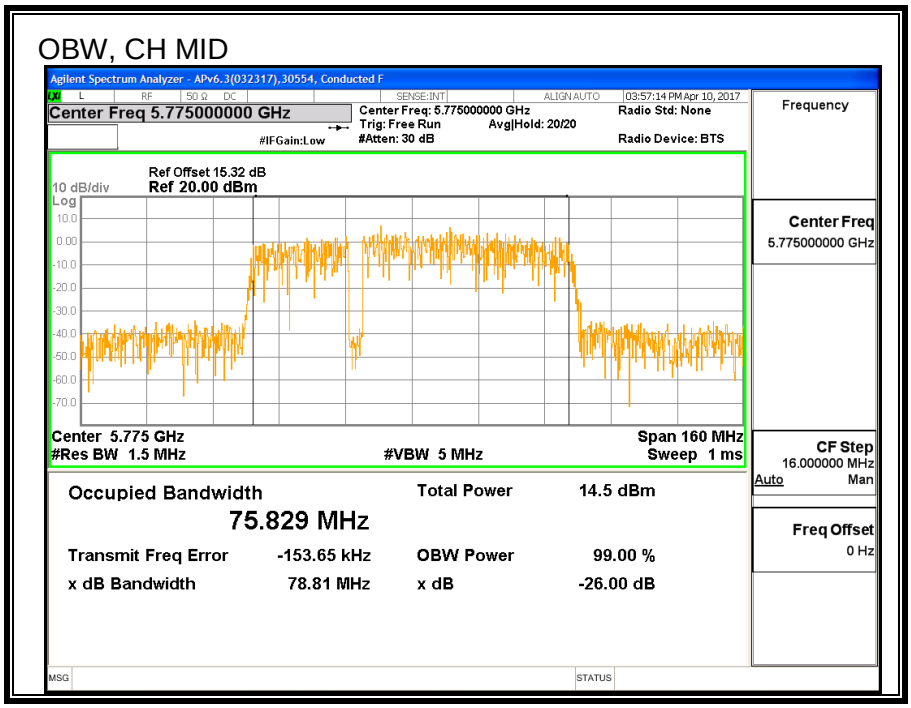
LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency	99% BW LAT 3 (MHz)
Mid	5775	75.829

OBW, CH MID



8.35.4. AVERAGE POWER

ID:	30554	Date:	7/13/2017

LIMITS

None; for reporting purposes only.

TEST PROCEDURE

Measurements perform using a wideband gated RF power meter.

RESULTS

Channel	Frequency	Power LAT 3 (dBm)
Mid	5775	18.91

8.35.5. OUTPUT POWER

ID:	30554	Date:	7/13/2017

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

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)
Mid	5775	-0.15	30.00

Output Power Results

Channel	Frequency (MHz)	LAT 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	18.91	18.91	30.00	-11.09

8.35.6. POWER SPECTRAL DENSITY

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

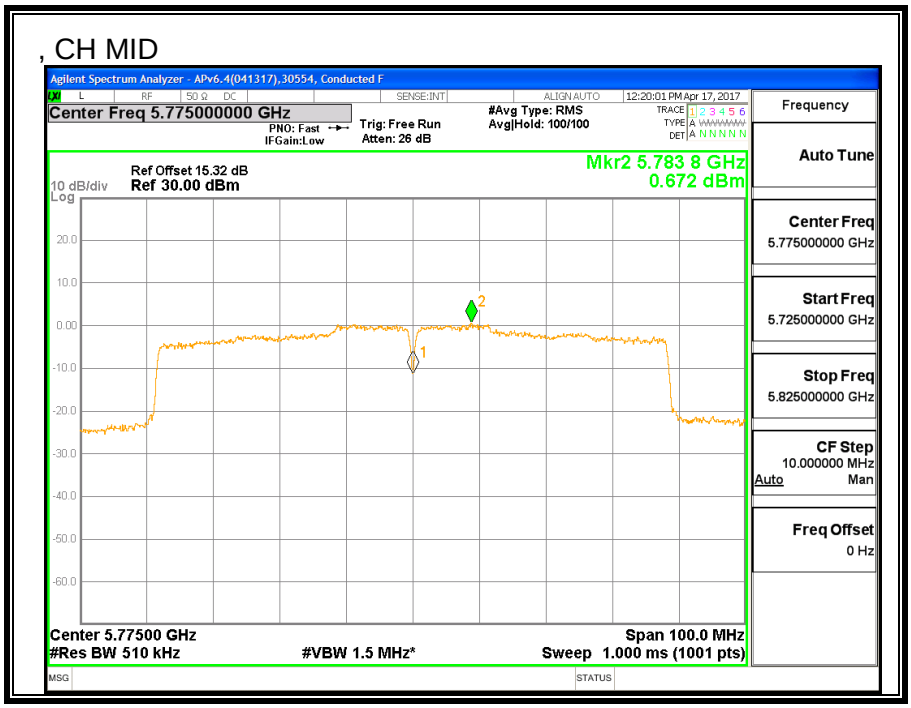
Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm)
Mid	5775	-0.15	30.00

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

PSD Results

Channel	Frequency (MHz)	LAT 3 Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Mid	5775	0.672	0.872	30.00	-29.13

, CH MID



8.36. 11ac HT80 2TX CDD MIMO MODE IN THE 5.8GHz BAND

8.36.1. 6 dB BANDWIDTH

LIMITS

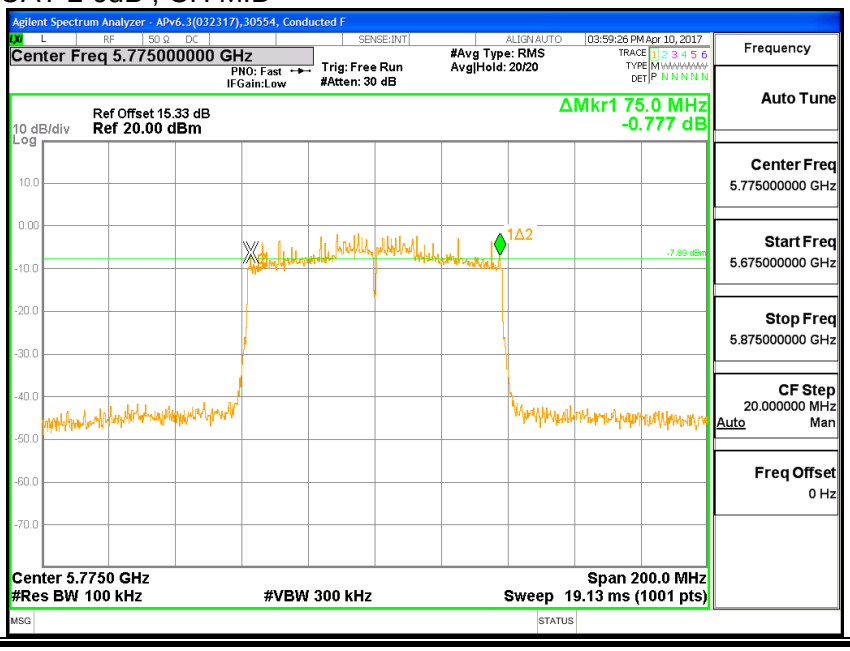
FCC §15.407 (e)

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

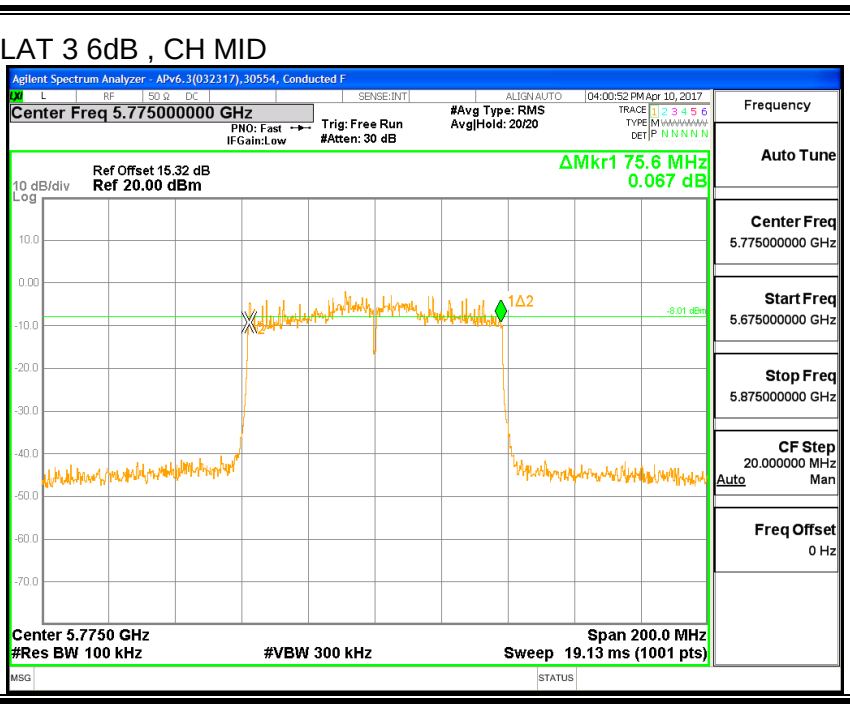
RESULTS

Channel	Frequency	6 dB BW UAT 2 (MHz)	6 dB BW LAT 3 (MHz)	Minimum Limit (MHz)
Mid	5775	75.0	75.6	0.5

UAT 2 6dB , CH MID



LAT 3 6dB , CH MID



8.36.2. 26 dB BANDWIDTH

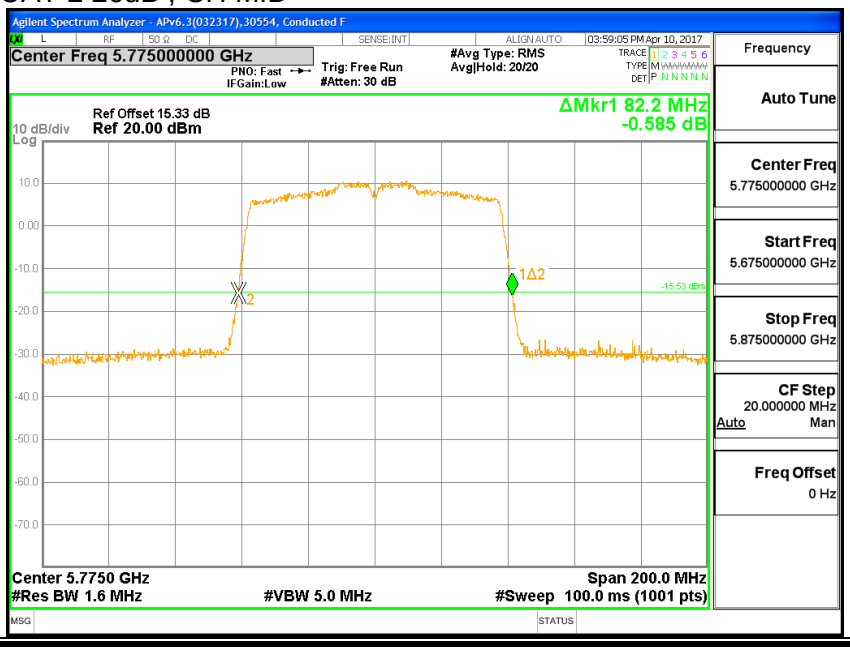
LIMITS

None; for reporting purposes only.

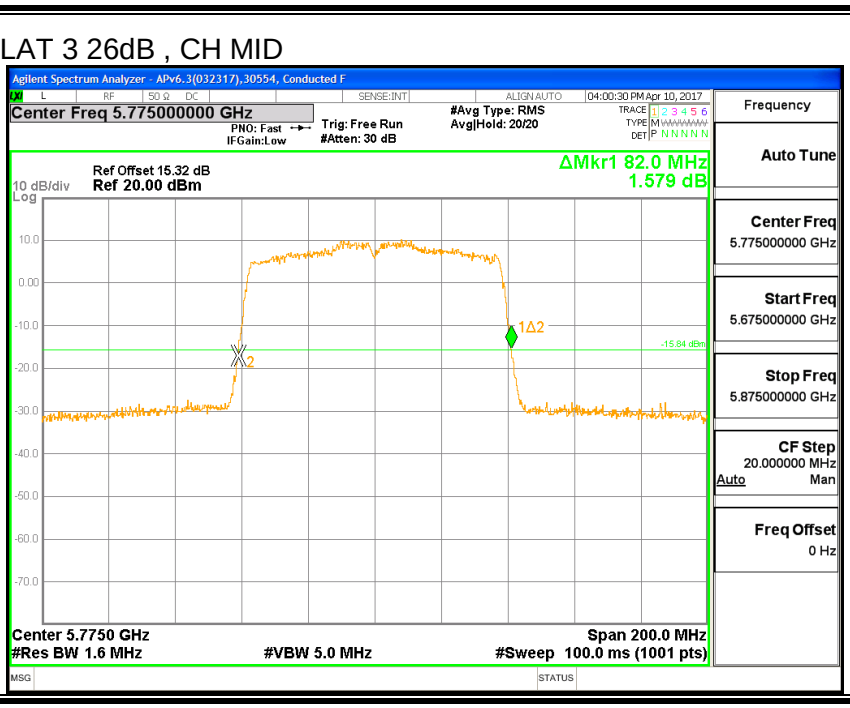
RESULTS

Channel	Frequency	26 dB BW UAT 2 (MHz)	26 dB BW LAT 3 (MHz)
Mid	5775	82.2	82.0

UAT 2 26dB , CH MID



LAT 3 26dB , CH MID



8.36.3. 99% BANDWIDTH

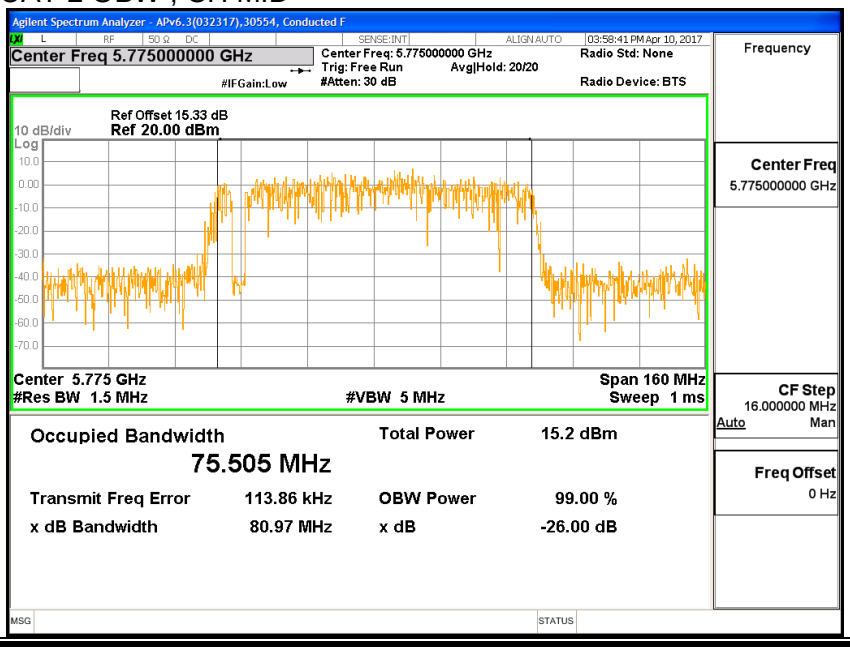
LIMITS

None; for reporting purposes only.

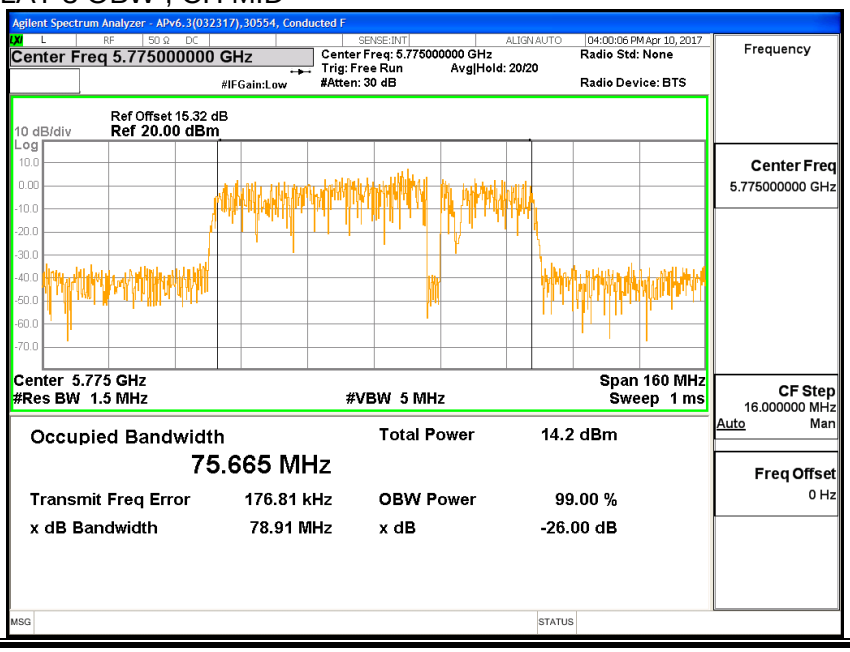
RESULTS

Channel	Frequency	99% BW UAT 2 (MHz)	99% BW LAT 3 (MHz)
Mid	5775	75.505	75.665

UAT 2 OBW , CH MID



LAT 3 OBW , CH MID



8.36.4. AVERAGE POWER

ID:	30554	Date:	7/13/2017

LIMITS

None; for reporting purposes only.

TEST PROCEDURE

Measurements perform using a wideband gated RF power meter.

RESULTS

Channel	Frequency (MHz)	UAT 2 Power (dBm)	LAT 3 Power (dBm)	Total Power (dBm)
Mid	5775	18.94	18.91	21.94

8.36.5. OUTPUT POWER

ID:	30554	Date:	7/13/2017

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:

UAT 2 Antenna Gain (dBi)	LAT 3 Antenna Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)
-1.61	-0.15	-0.82

RESULTS

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)
Mid	5775	-0.82	30.00

Output Power Results

Channel	Frequency (MHz)	UAT 2 Meas Power (dBm)	LAT 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	18.94	18.91	21.94	30.00	-8.06

8.36.6. POWER SPECTRAL DENSITY

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:

UAT 2 Antenna Gain (dBi)	LAT 3 Antenna Gain (dBi)	Correlated Chains Directional Gain (dBi)
-1.61	-0.15	2.16

RESULTS

Antenna Gain and Limit

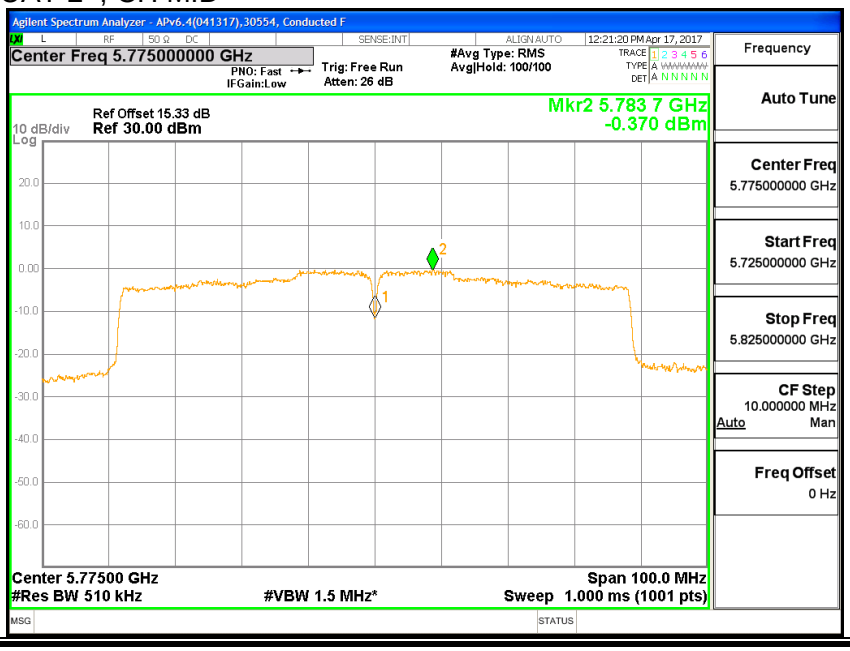
Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm)
Mid	5775	2.16	30.00

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

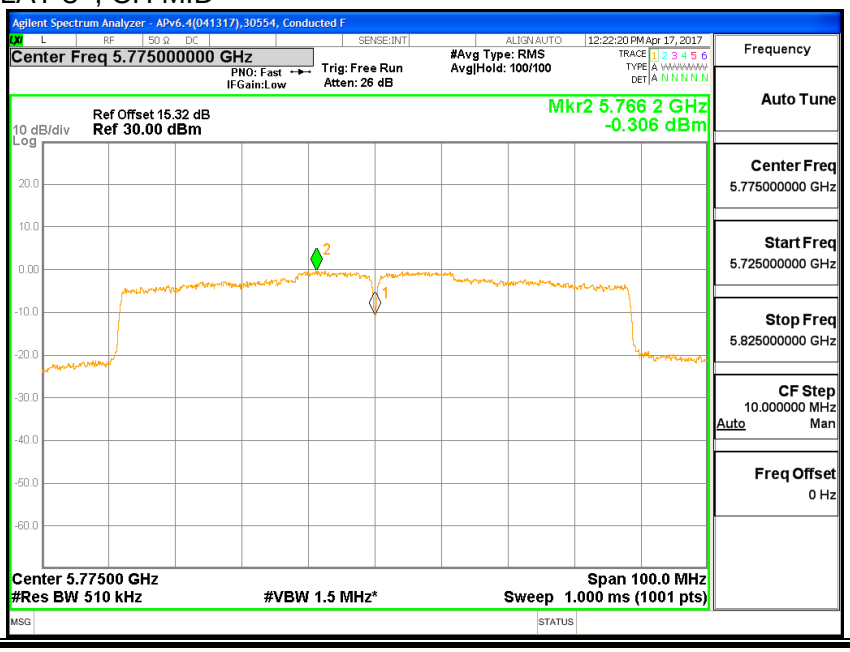
PSD Results

Channel	Frequency (MHz)	UAT 2 Meas PSD (dBm)	LAT 3 Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Mid	5775	-0.370	-0.306	2.87	30.00	-27.13

UAT 2 , CH MID



LAT 3 , CH MID



9. RADIATED TEST RESULTS

9.1. LIMITS AND PROCEDURE

LIMITS

FCC §15.205 and §15.209

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

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane for measurement below 1GHz; 1.5 m above the ground plane for measurement above 1GHz. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

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

For 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.

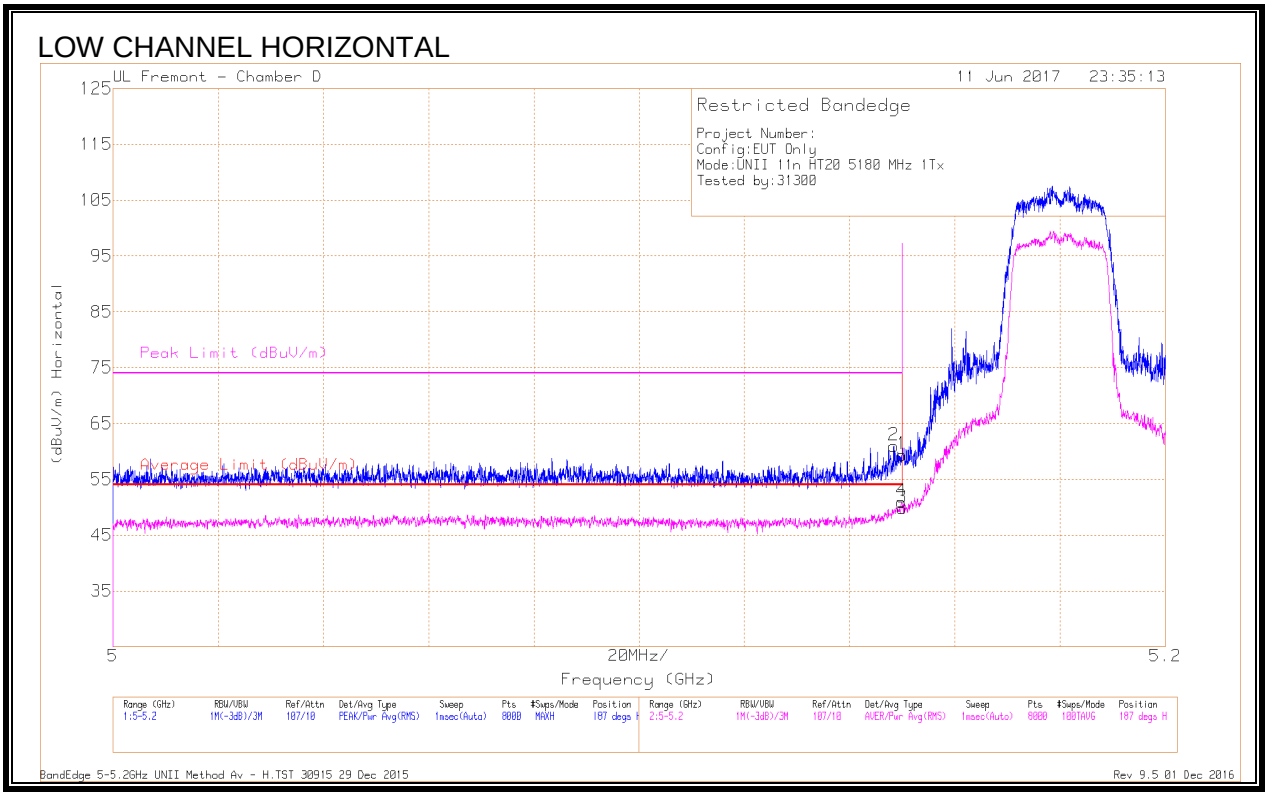
For measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and as applicable for average measurements.

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

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

9.1.1. 11n HT20 UAT 2 SISO MODE IN THE 5.2GHz BAND

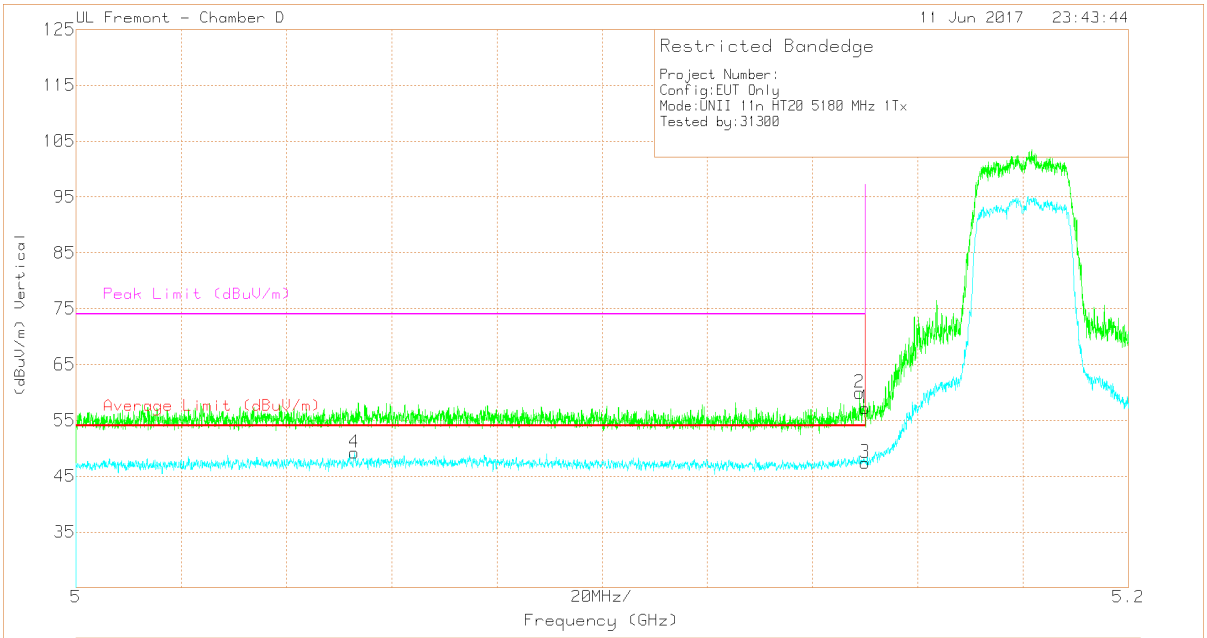
RESTRICTED BANDEDGE (LOW CHANNEL)



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	45.01	Pk	34.4	-18.4	61.01	-	-	74	-12.99	187	121	H
1	* 5.15	43.42	Pk	34.4	-18.4	59.42	-	-	74	-14.58	187	121	H
3	* 5.15	33.9	RMS	34.4	-18.4	49.9	54	-4.1	-	-	187	121	H
4	* 5.15	35	RMS	34.4	-18.4	51	54	-3	-	-	187	121	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection
BandEdge 5-5.2GHz UNII Method Av - H.TST 30915 29 Dec 2015
Rev 9.5 01 Dec 2016

LOW CHANNEL VERTICAL



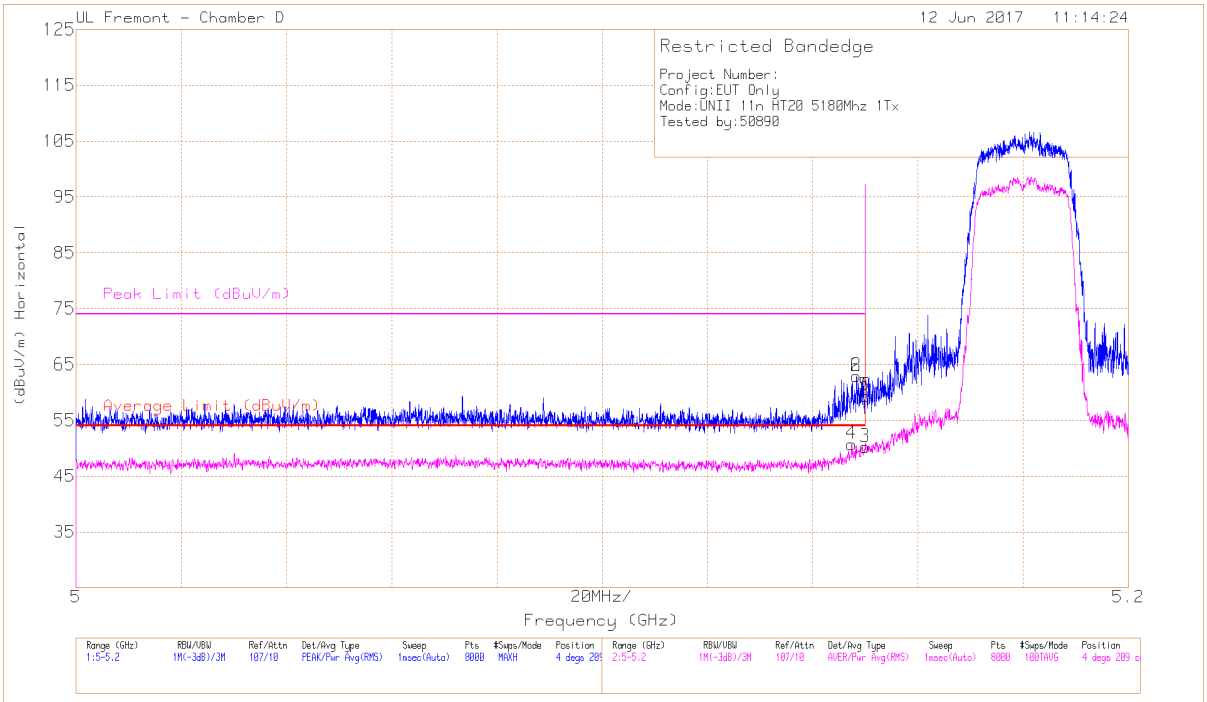
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl /Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 5.053	32.93	RMS	34.3	-18	49.23	54	-4.77	-	-	360	106	V
2	* 5.149	43.94	Pk	34.4	-18.4	59.94	-	-	74	-14.06	360	106	V
1	* 5.15	41.21	Pk	34.4	-18.4	57.21	-	-	74	-16.79	360	106	V
3	* 5.15	31.42	RMS	34.4	-18.4	47.42	54	-6.58	-	-	360	106	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 29 Dec 2015
Rev 9.5 01 Dec 2016

9.1.2. 11n HT20 LAT 3 SISO MODE IN THE 5.2GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

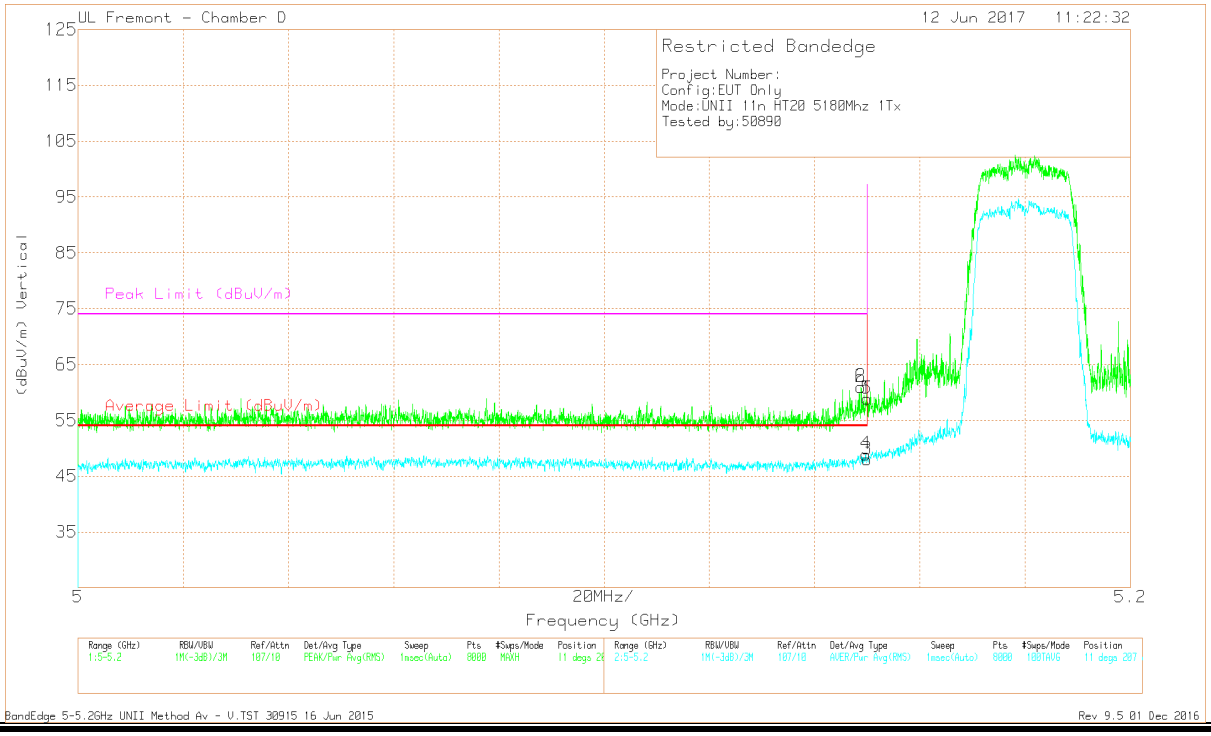
LOW CHANNEL HORIZONTAL



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl /Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 5.147	34.75	RMS	34.4	-18.4	50.75	54	-3.25	-	-	4	209	H
2	* 5.148	46.94	Pk	34.4	-18.4	62.94	-	-	74	-11.06	4	209	H
1	* 5.15	43.43	Pk	34.4	-18.4	59.43	-	-	74	-14.57	4	209	H
3	* 5.15	34.25	RMS	34.4	-18.4	50.25	54	-3.75	-	-	4	209	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection
BandEdge 5-5.2GHz UNII Method Av - H.TST 30915 16 Jun 2015
Rev 9.5 01 Dec 2016

LOW CHANNEL VERTICAL



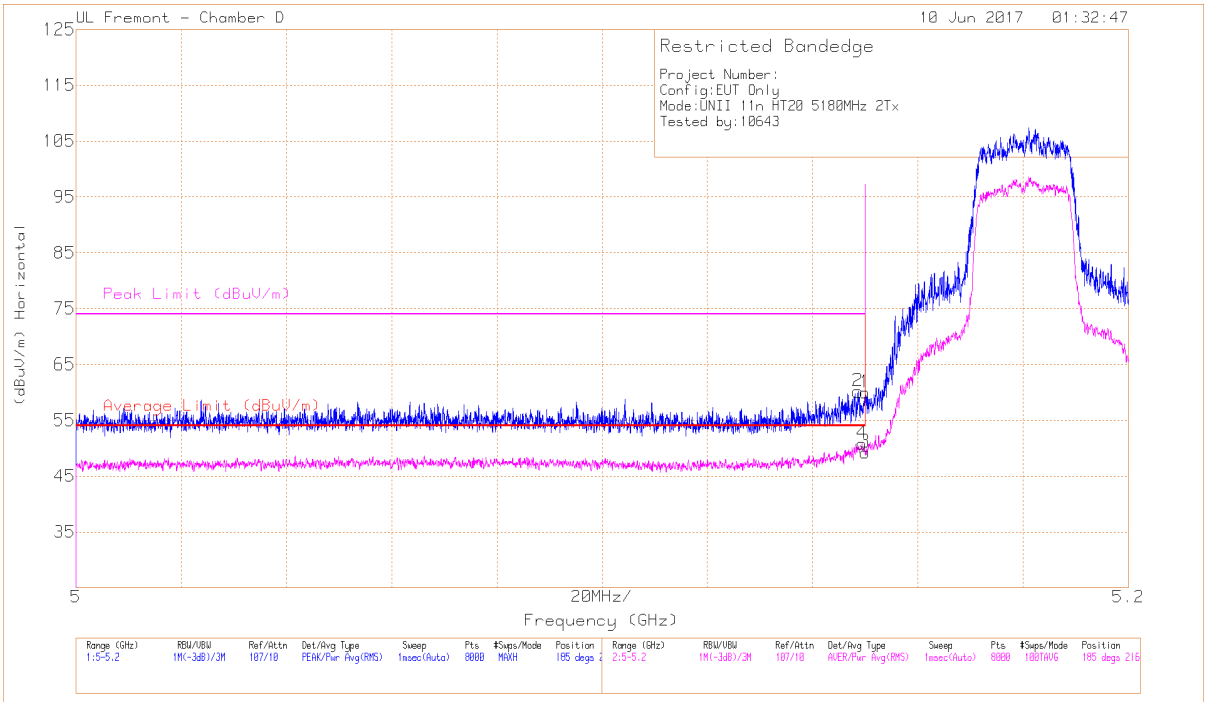
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl /Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	42.86	Pk	34.4	-18.4	58.86	-	-	74	-15.14	11	207	V
2	* 5.149	44.98	Pk	34.4	-18.4	60.98	-	-	74	-13.02	11	207	V
3	* 5.15	32.01	RMS	34.4	-18.4	48.01	54	-5.99	-	-	11	207	V
4	* 5.15	32.92	RMS	34.4	-18.4	48.92	54	-5.08	-	-	11	207	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 01 Dec 2016

9.1.3. 11n HT20 2TX CDD MIMO MODE IN THE 5.2GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

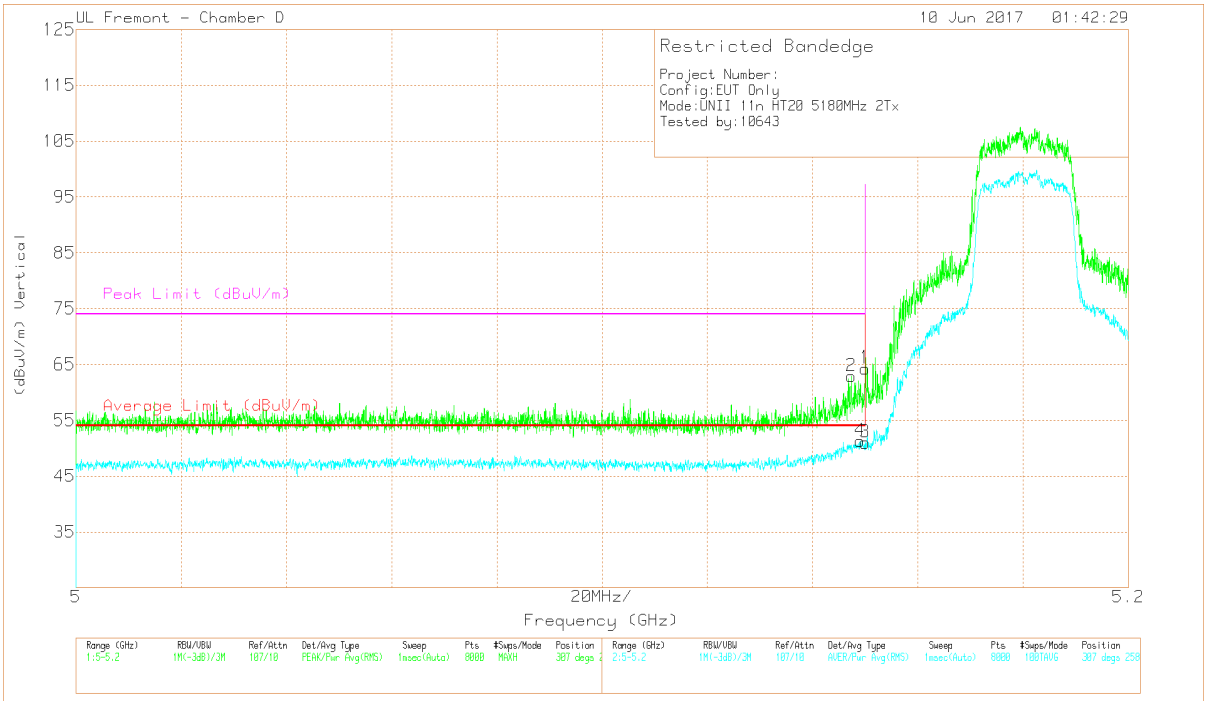
LOW CHANNEL HORIZONTAL



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl /Fltr/Pad (dB)	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	44.18	Pk	34.4	-18.4	60.18	-	-	74	-13.82	185	216	H
4	* 5.149	34.8	RMS	34.4	-18.4	50.8	54	-3.2	-	-	185	216	H
1	* 5.15	43.95	Pk	34.4	-18.4	59.95	-	-	74	-14.05	185	216	H
3	* 5.15	33.26	RMS	34.4	-18.4	49.26	54	-4.74	-	-	185	216	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection
BandEdge 5-5.2GHz UNII Method Av - H.TST 30915 29 Dec 2015
Rev 9.5 01 Dec 2016

LOW CHANNEL VERTICAL

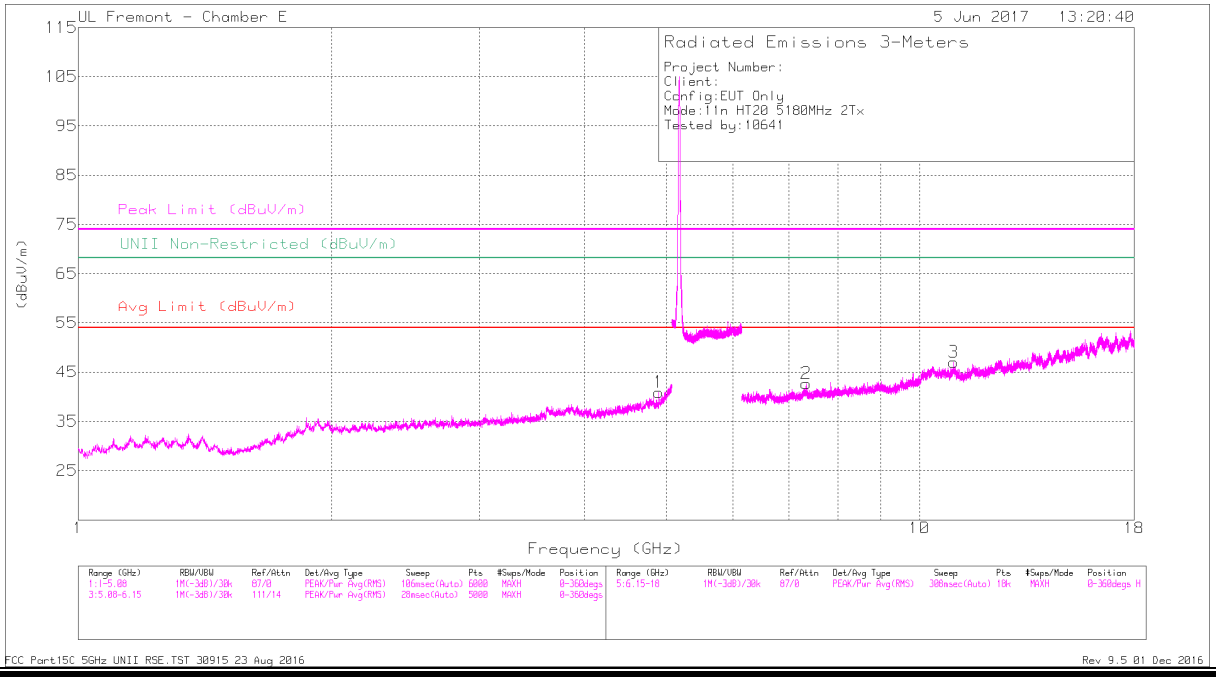


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl /Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.147	46.91	Pk	34.4	-18.4	62.91	-	-	74	-11.09	307	258	V
4	* 5.149	35.31	RMS	34.4	-18.4	51.31	54	-2.69	-	-	307	258	V
1	* 5.15	48.3	Pk	34.4	-18.4	64.3	-	-	74	-9.7	307	258	V
3	* 5.15	35.02	RMS	34.4	-18.4	51.02	54	-2.98	-	-	307	258	V

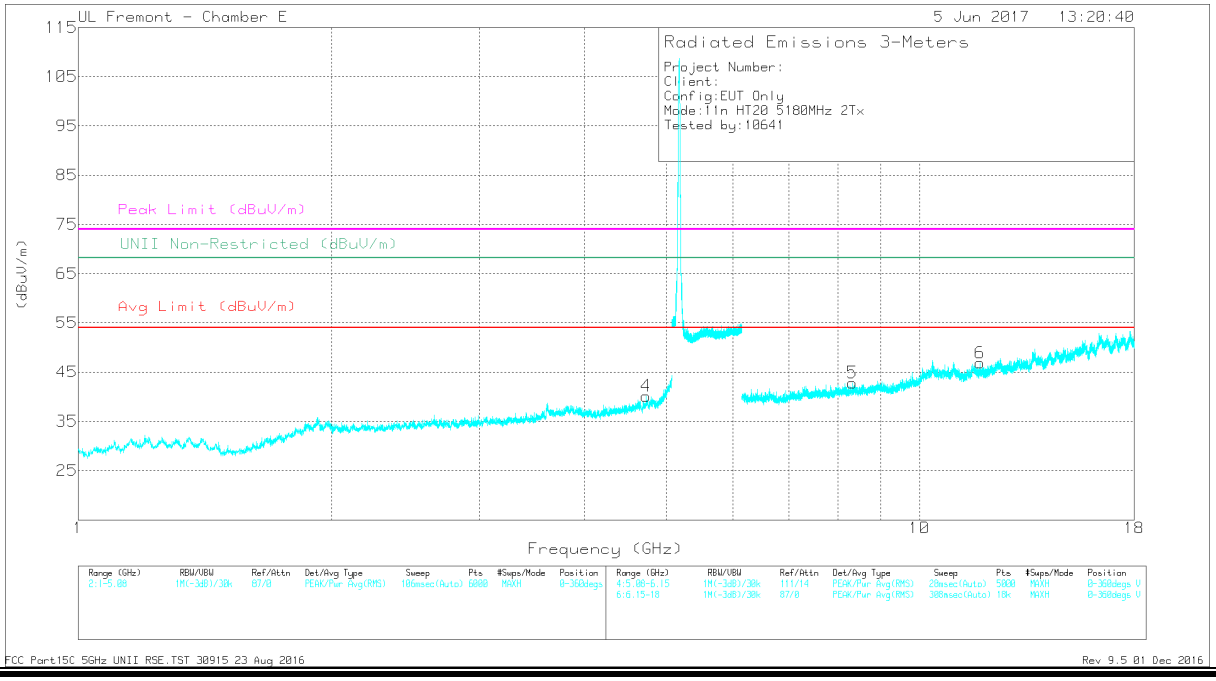
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection
BandEdge 5-5.2GHz UNII Method Av - V.TST 30915 29 Dec 2015
Rev 9.5 01 Dec 2016

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



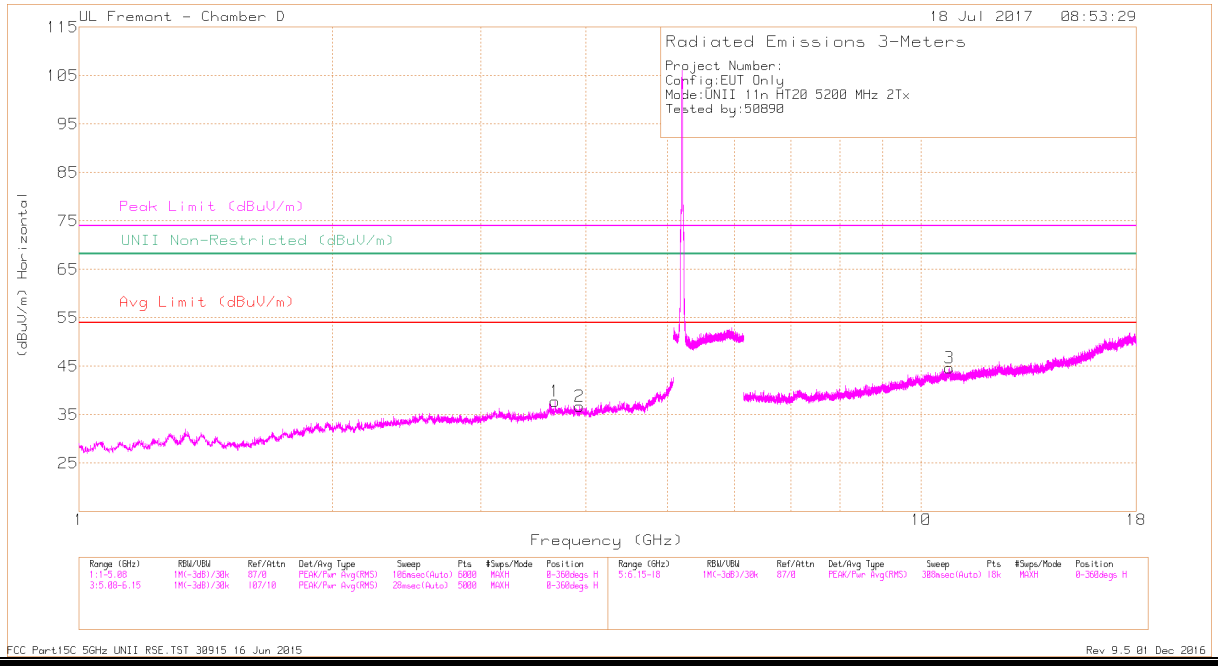
Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.902	41.37	PK-U	34.8	-29.5	46.67	-	-	74	-27.33	-	-	117	124	H
	* 4.902	29.63	ADR	34.8	-29.5	34.93	54	-19.07	-	-	-	-	117	124	H
4	* 4.736	41.3	PK-U	34.7	-29	47	-	-	74	-27	-	-	98	160	V
	* 4.734	29.15	ADR	34.7	-29	34.85	54	-19.15	-	-	-	-	98	160	V
2	* 7.338	38.82	PK-U	36.8	-26.6	49.02	-	-	74	-24.98	-	-	290	359	H
	* 7.336	26.97	ADR	36.8	-26.6	37.17	54	-16.83	-	-	-	-	290	359	H
3	* 10.979	35.77	PK-U	39.5	-22	53.27	-	-	74	-20.73	-	-	83	110	H
	* 10.98	24.45	ADR	39.5	-22.1	41.85	54	-12.15	-	-	-	-	83	110	H
5	* 8.319	39.58	PK-U	37.5	-26.9	50.18	-	-	74	-23.82	-	-	201	257	V
	* 8.318	26.83	ADR	37.5	-26.9	37.43	54	-16.57	-	-	-	-	201	257	V
6	* 11.801	36.94	PK-U	39.7	-24.3	52.34	-	-	74	-21.66	-	-	13	203	V
	* 11.797	25.44	ADR	39.7	-24.4	40.74	54	-13.26	-	-	-	-	13	203	V

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

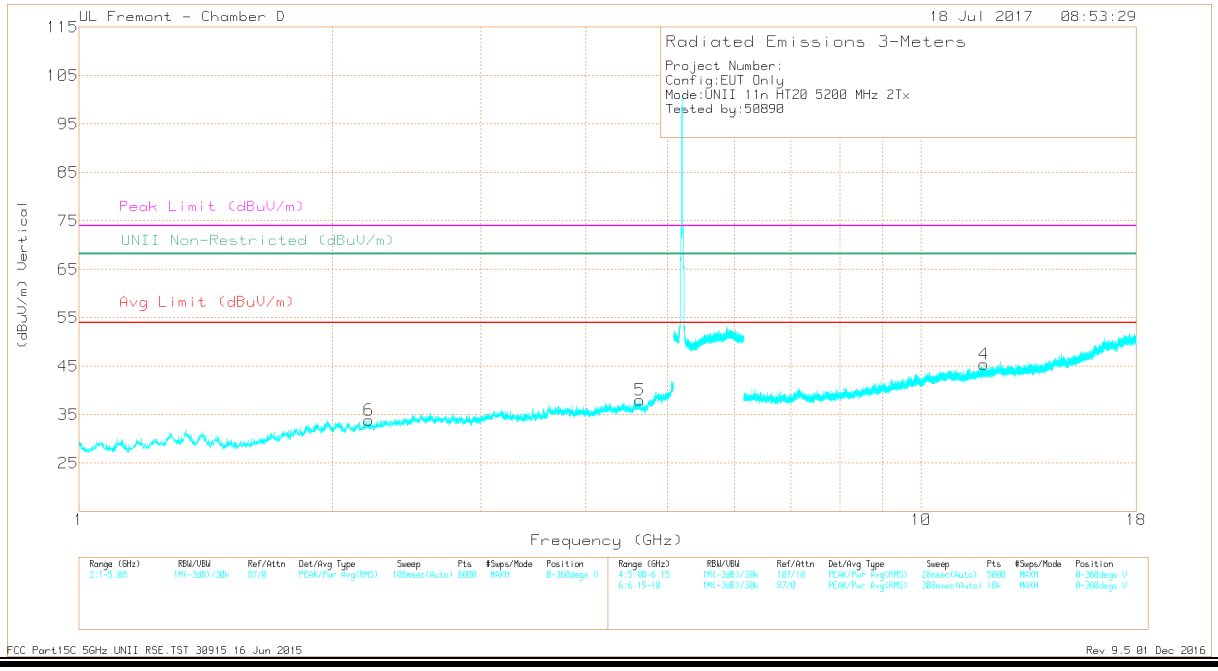
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



Radiated Emissions

Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (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	* 3.676	39.16	PK1	33.1	-29.1	43.16	-	-	74	-30.84	-	-	111	218	H
	* 3.678	26.91	ADR	33	-29.1	30.81	54	-23.19	-	-	-	-	111	218	H
2	* 3.93	38.74	PK1	33.4	-28.4	43.74	-	-	74	-30.26	-	-	8	349	H
	* 3.93	26.67	ADR	33.4	-28.4	31.67	54	-22.33	-	-	-	-	8	349	H
5	* 4.632	38.28	PK1	33.8	-27	45.08	-	-	74	-28.92	-	-	340	165	V
	* 4.631	26.04	ADR	33.8	-27	32.84	54	-21.16	-	-	-	-	340	165	V
6	* 2.209	40.23	PK1	31.6	-31	40.83	-	-	74	-33.17	-	-	186	393	V
	* 2.211	28.01	ADR	31.6	-30.9	28.71	54	-25.29	-	-	-	-	186	393	V
3	* 10.805	34.03	PK1	37.9	-20.7	51.23	-	-	74	-22.77	-	-	236	186	H
	* 10.807	21.99	ADR	37.9	-20.8	39.09	54	-14.91	-	-	-	-	236	186	H
4	* 11.858	34.46	PK1	38.5	-21.5	51.46	-	-	74	-22.54	-	-	157	187	V
	* 11.858	22.66	ADR	38.5	-21.4	39.76	54	-14.24	-	-	-	-	157	187	V

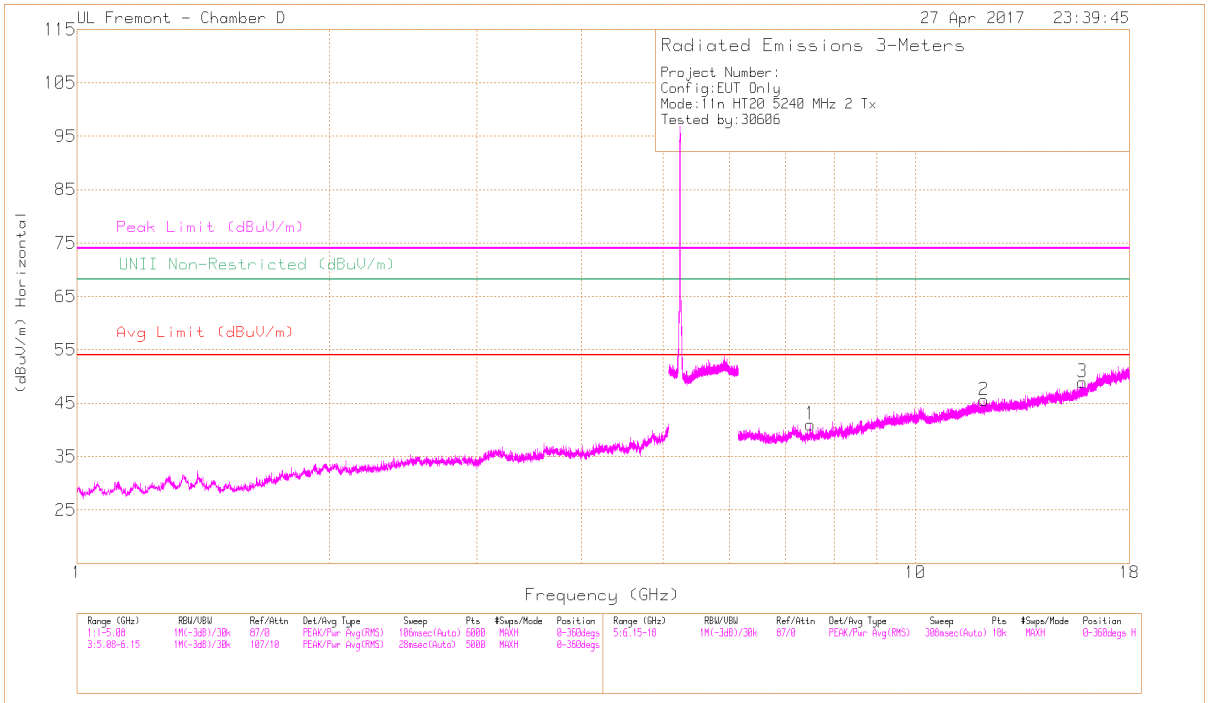
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

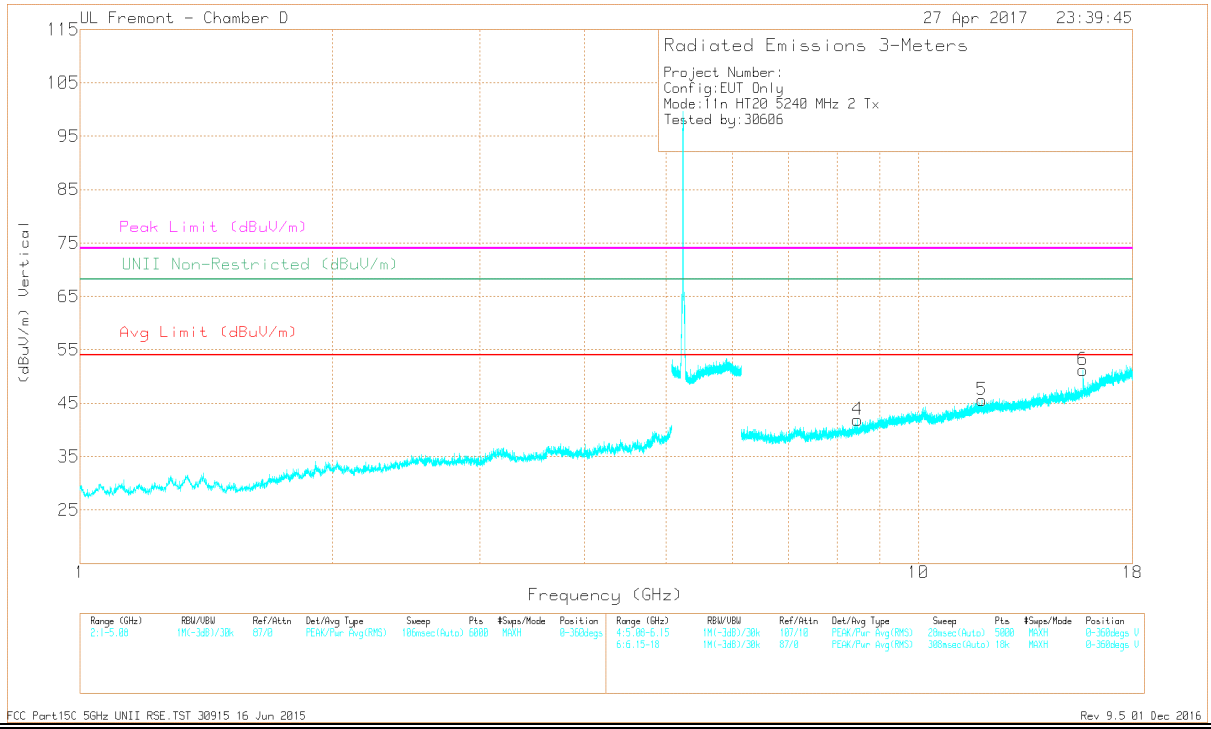
ADR - U-NII AD primary method, RMS average

FCC Part15C 5GHz UNII RSE.TST 30915 16 Jun 2015
Rev 9.5 01 Dec 2016

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL

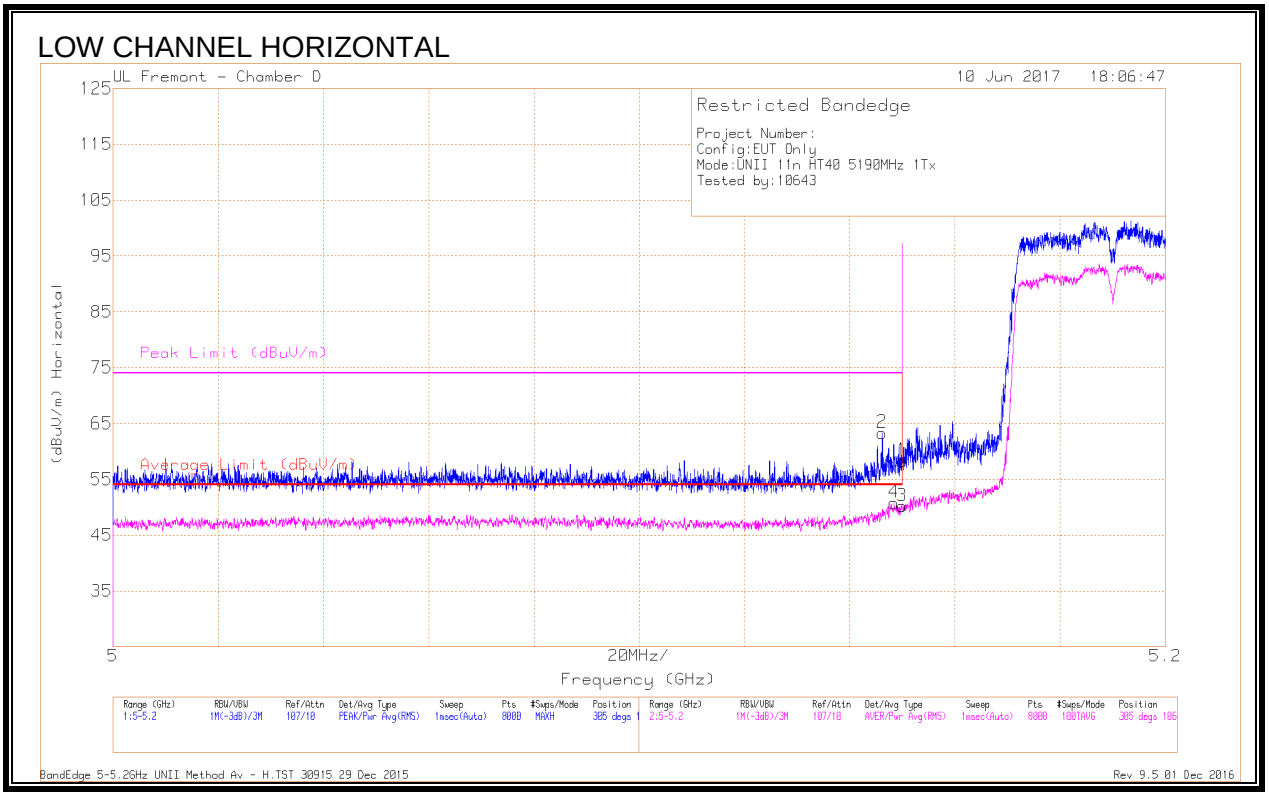


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 7.498	35.57	PK-U	35.7	-24.2	47.07	-	-	74	-26.93	-	-	226	185	H
	* 7.499	23.69	ADR	35.7	-24.3	35.09	54	-18.91	-	-	-	-	226	185	H
2	* 12.073	34.41	PK-U	38.9	-21.7	51.61	-	-	74	-22.39	-	-	284	130	H
	* 12.074	22.73	ADR	38.9	-21.7	39.93	54	-14.07	-	-	-	-	284	130	H
3	* 15.651	34.64	PK-U	40.1	-20.8	53.94	-	-	74	-20.06	-	-	270	133	H
	* 15.652	23.34	ADR	40.1	-20.8	42.64	54	-11.36	-	-	-	-	270	133	H
6	* 15.727	35.63	PK-U	40.2	-20.4	55.43	-	-	74	-18.57	-	-	35	110	V
	* 15.717	24.37	ADR	40.2	-20.5	44.07	54	-9.93	-	-	-	-	35	110	V
4	* 8.461	36.41	PK-U	36	-24.4	48.01	-	-	74	-25.99	-	-	48	308	V
	* 8.46	24.32	ADR	36	-24.4	35.92	54	-18.08	-	-	-	-	48	308	V
5	* 11.91	34.93	PK-U	38.8	-21.8	51.93	-	-	74	-22.07	-	-	16	221	V
	* 11.909	22.92	ADR	38.8	-21.8	39.92	54	-14.08	-	-	-	-	16	221	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
FCC Part15C 5GHz UNII RSE.TST 30915 16 Jun 2015
Rev 9.5 01 Dec 2016

9.1.4. 11n HT40 UAT 2 SISO MODE IN THE 5.2GHz BAND

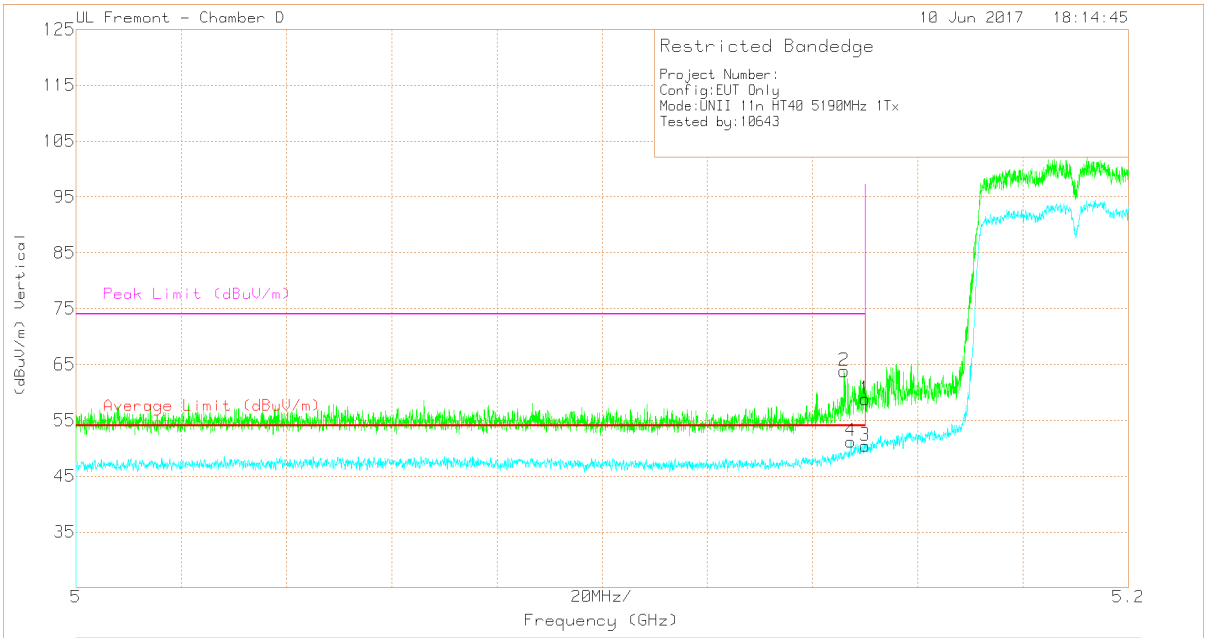
RESTRICTED BANDEDGE (LOW CHANNEL)



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	42.29	Pk	34.4	-18.4	0	58.29	-	-	74	-15.71	305	106	H
2	* 5.146	47.32	Pk	34.4	-18.4	0	63.32	-	-	74	-10.68	305	106	H
3	* 5.15	34.17	RMS	34.4	-18.4	.1	50.27	54	-3.73	-	-	305	106	H
4	* 5.148	34.77	RMS	34.4	-18.4	.1	50.87	54	-3.13	-	-	305	106	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection
BandEdge 5-5.2GHz UNII Method Av - H.TST 30915 29 Dec 2015
Rev 9.5 01 Dec 2016

LOW CHANNEL VERTICAL

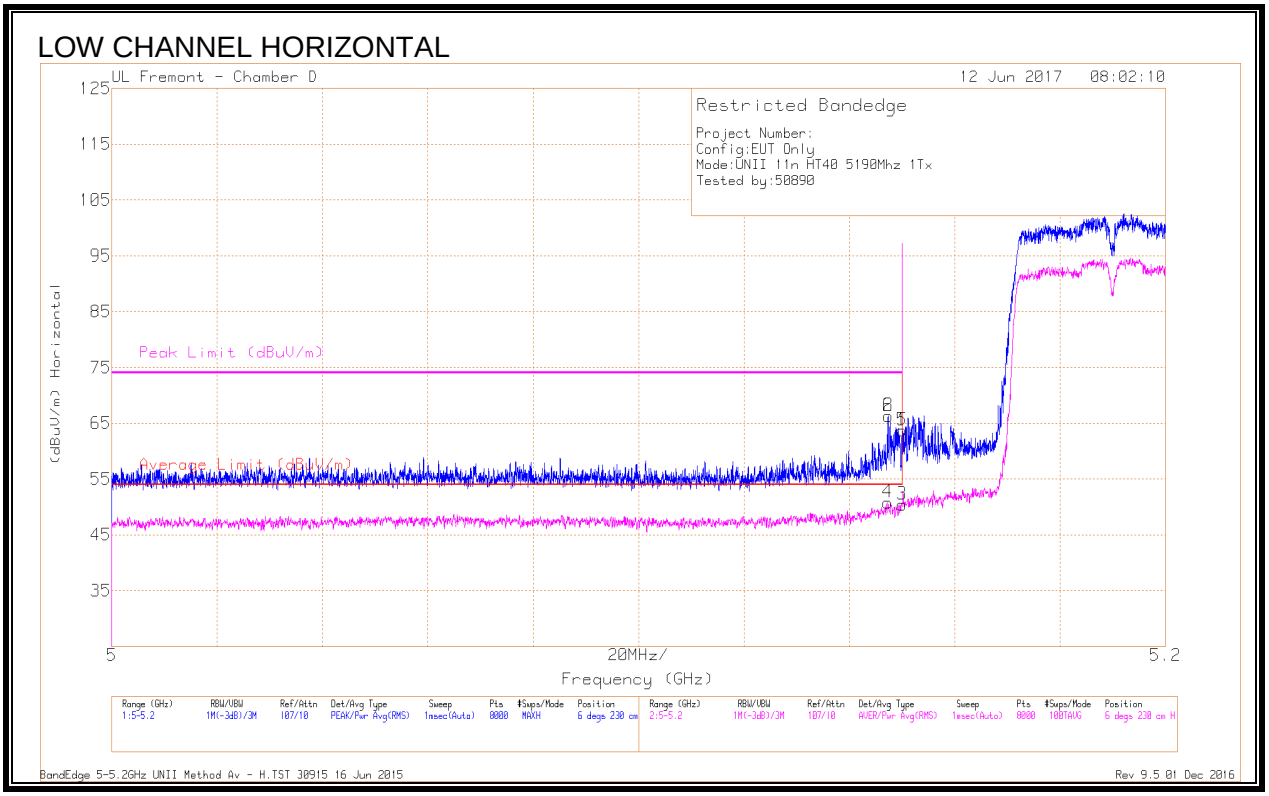


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	DC Corr (dB)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	42.83	Pk	34.4	0	-18.4	58.83	-	-	74	-15.17	347	102	V
2	* 5.146	47.85	Pk	34.4	0	-18.4	63.85	-	-	74	-10.15	347	102	V
3	* 5.15	34.47	RMS	34.4	.1	-18.4	50.57	54	-3.43	-	-	347	102	V
4	* 5.147	35.24	RMS	34.4	.1	-18.4	51.34	54	-2.66	-	-	347	102	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 29 Dec 2015
Rev 9.5 01 Dec 2016

9.1.5. 11n HT40 LAT 3 SISO MODE IN THE 5.2GHz BAND

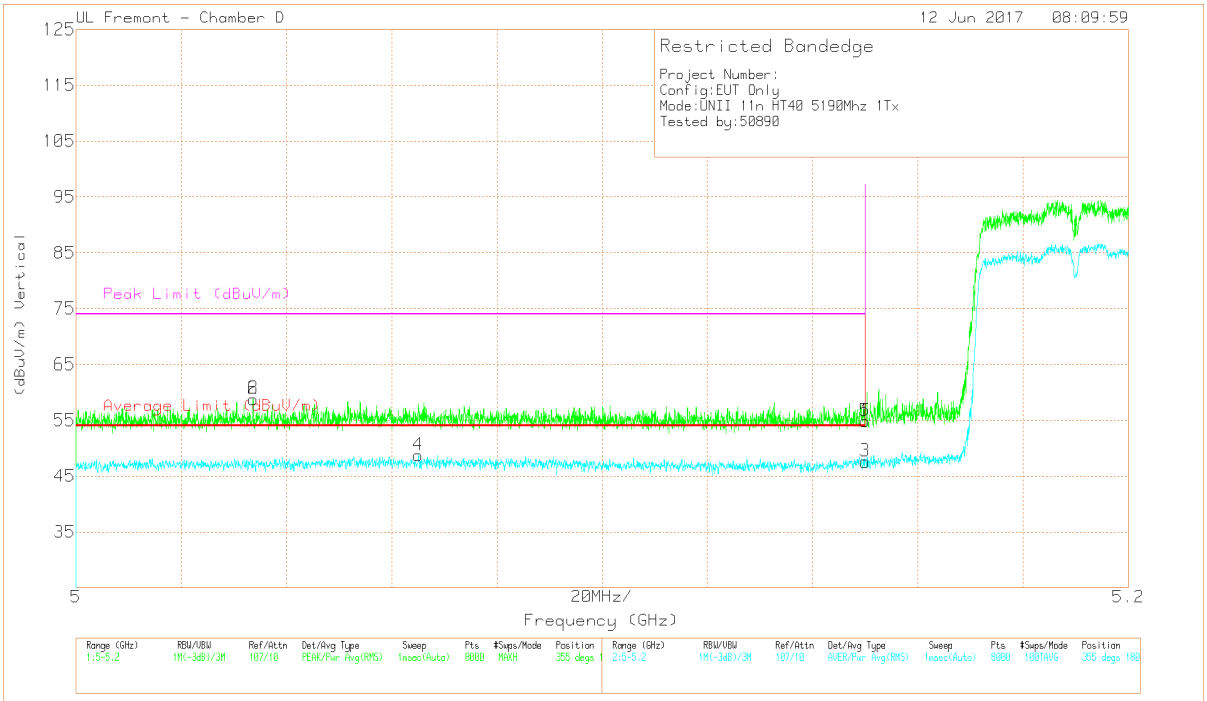
RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	DC Corr (dB)	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	* 5.15	47.69	Pk	34.4	0	-18.4	63.69	-	-	74	-10.31	6	230	H
2	* 5.147	50.27	Pk	34.4	0	-18.4	66.27	-	-	74	-7.73	6	230	H
3	* 5.15	34.37	RMS	34.4	.1	-18.4	50.47	54	-3.53	-	-	6	230	H
4	* 5.147	34.83	RMS	34.4	.1	-18.4	50.93	54	-3.07	-	-	6	230	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection
BandEdge 5-5.2GHz UNII Method Av - H.TST 30915 16 Jun 2015
Rev 9.5 01 Dec 2016

LOW CHANNEL VERTICAL

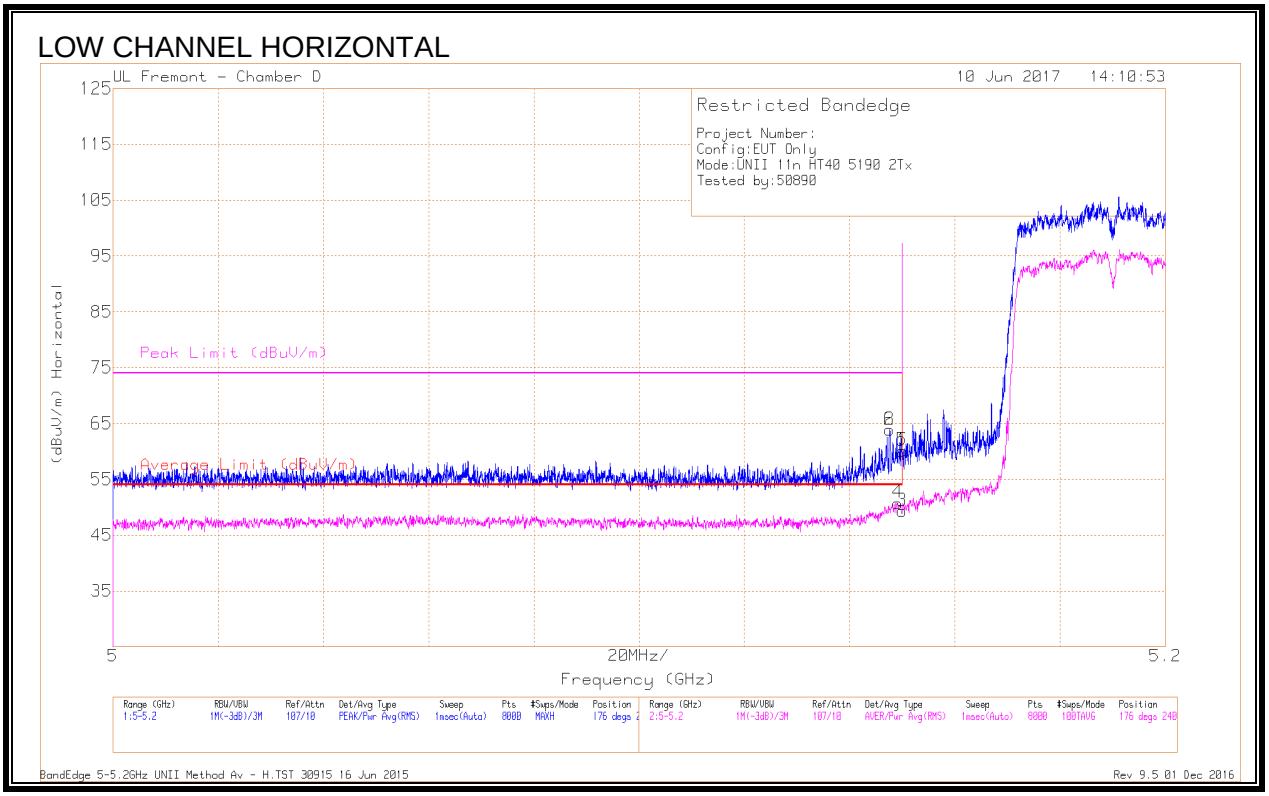


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	DC Corr (dB)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	38.84	Pk	34.4	0	-18.4	54.84	-	-	74	-19.16	355	180	V
2	* 5.034	42.62	Pk	34.3	0	-18.1	58.82	-	-	74	-15.18	355	180	V
3	* 5.15	31.59	RMS	34.4	.1	-18.4	47.69	54	-6.31	-	-	355	180	V
4	* 5.065	32.41	RMS	34.3	.1	-18	48.81	54	-5.19	-	-	355	180	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection
UNII_5.2_BE_V_11n_HT40_5190_1Tx_Q69_Unit 3892.DAT 30915 16 Jun 2015
Rev 9.5 01 Dec 2016

9.1.6. 11n HT40 2TX CDD MIMO MODE IN THE 5.2GHz BAND

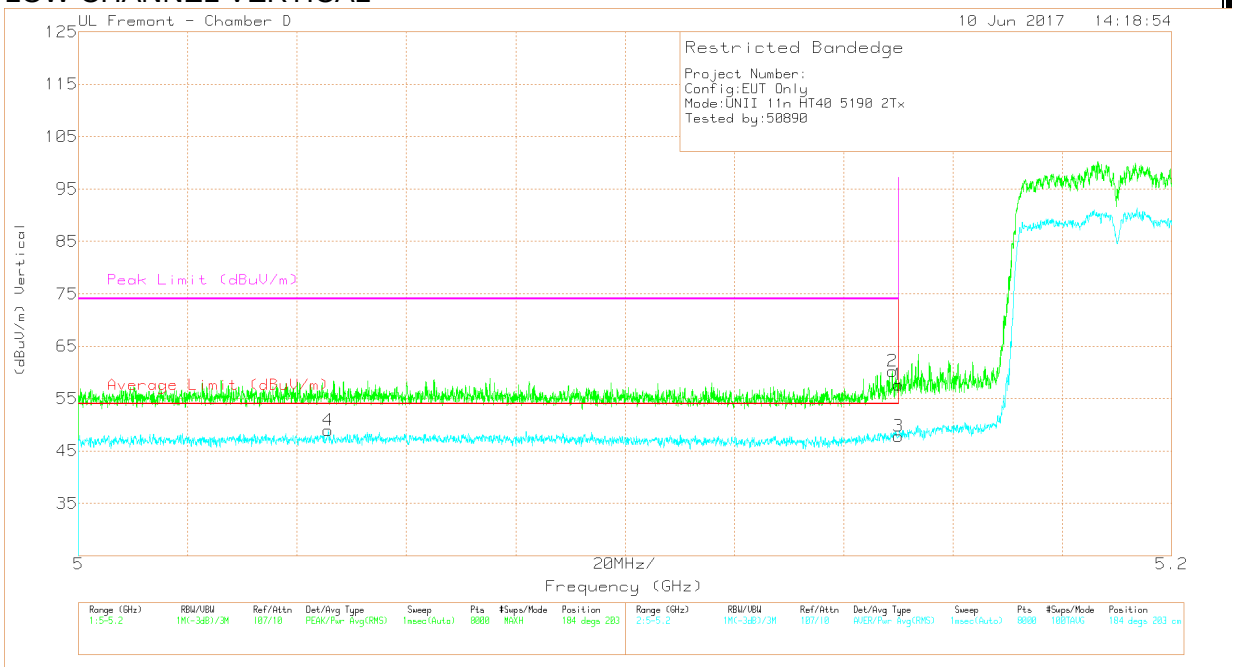
RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	DC Corr (dB)	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	* 5.15	44.15	Pk	34.4	0	-18.4	60.15	-	-	74	-13.85	176	240	H
2	* 5.148	47.87	Pk	34.4	0	-18.4	63.87	-	-	74	-10.13	176	240	H
3	* 5.15	33.33	RMS	34.4	.1	-18.4	49.43	54	-4.57	-	-	176	240	H
4	* 5.149	34.75	RMS	34.4	.1	-18.4	50.85	54	-3.15	-	-	176	240	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection
BandEdge 5-5.2GHz UNII Method Av - H.TST 30915 16 Jun 2015
Rev 9.5 01 Dec 2016
UNII 11n HT40 5190 2Tx

LOW CHANNEL VERTICAL

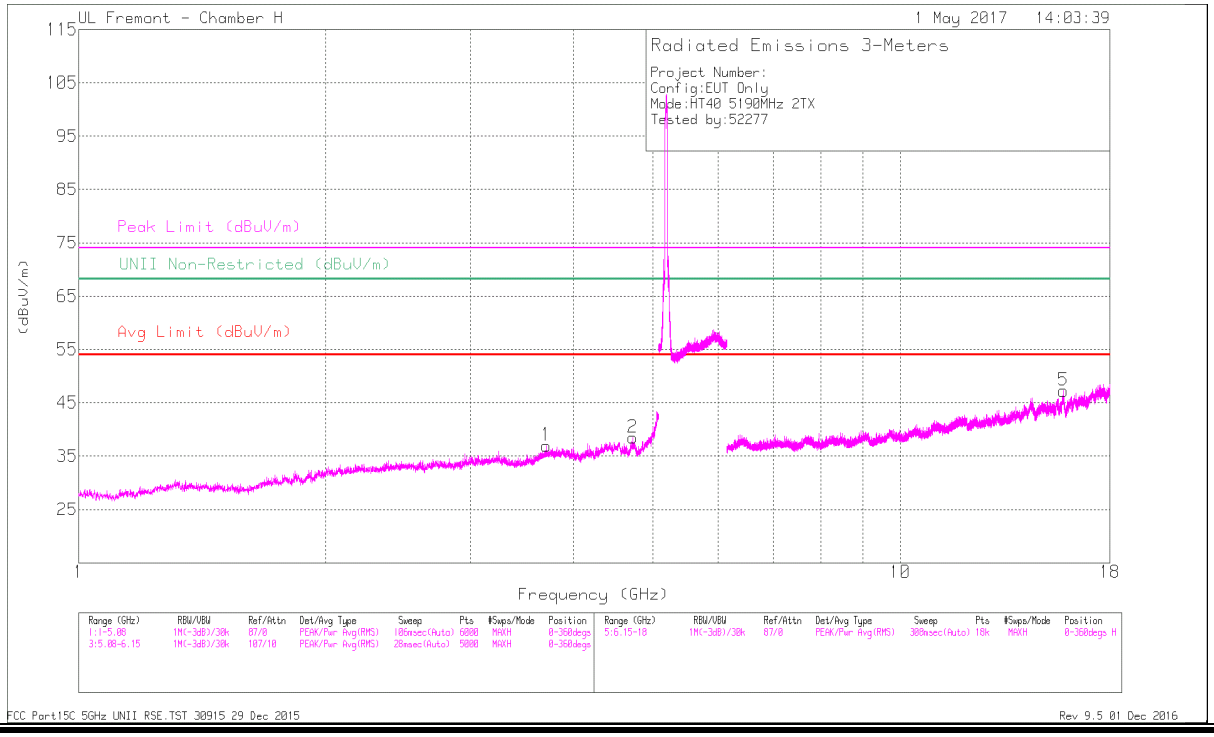


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 5.046	32.8	RMS	34.3	-18.2	.1	49	54	-5	-	-	184	203	V
2	* 5.149	44.25	Pk	34.4	-18.4	0	60.25	-	-	74	-13.75	184	203	V
1	* 5.15	41.66	Pk	34.4	-18.4	0	57.66	-	-	74	-16.34	184	203	V
3	* 5.15	31.81	RMS	34.4	-18.4	.1	47.91	54	-6.09	-	-	184	203	V

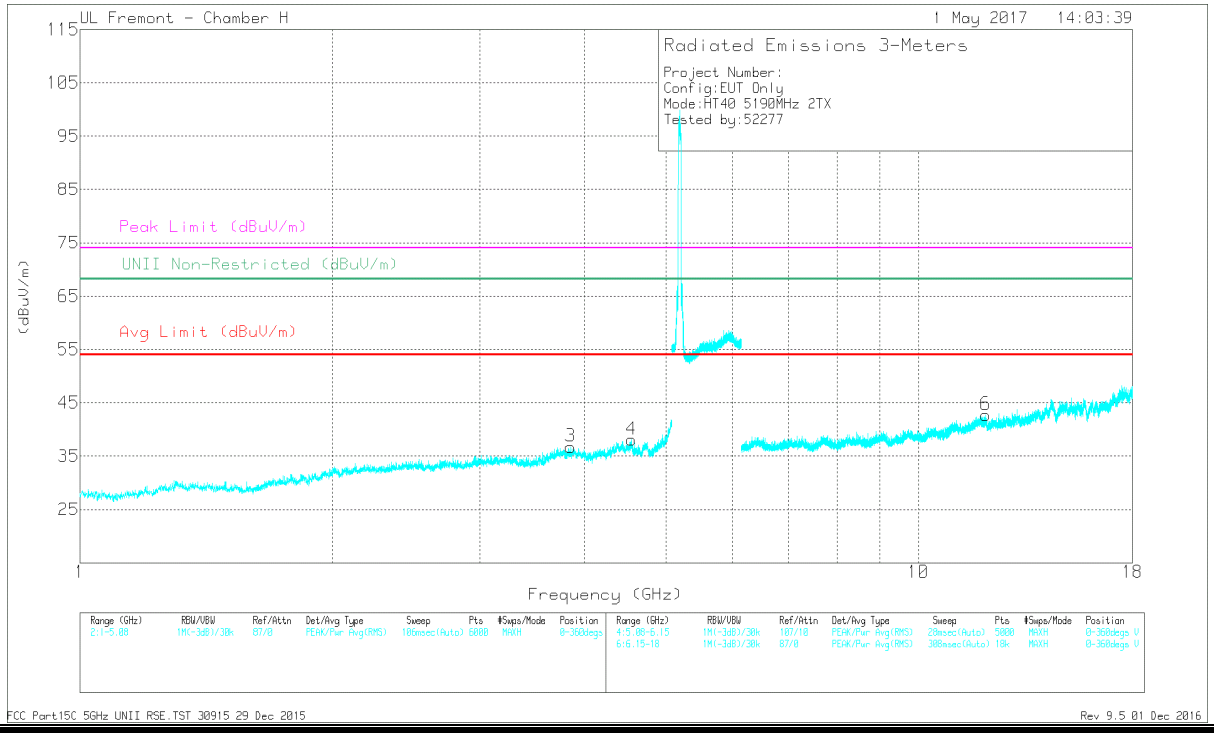
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection
UNII_5.2_BE_V_11n_HT40_5190_2Tx_Q68_Unit 1017.DAT 30915 16 Jun 2015
Rev 9.5 01 Dec 2016

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



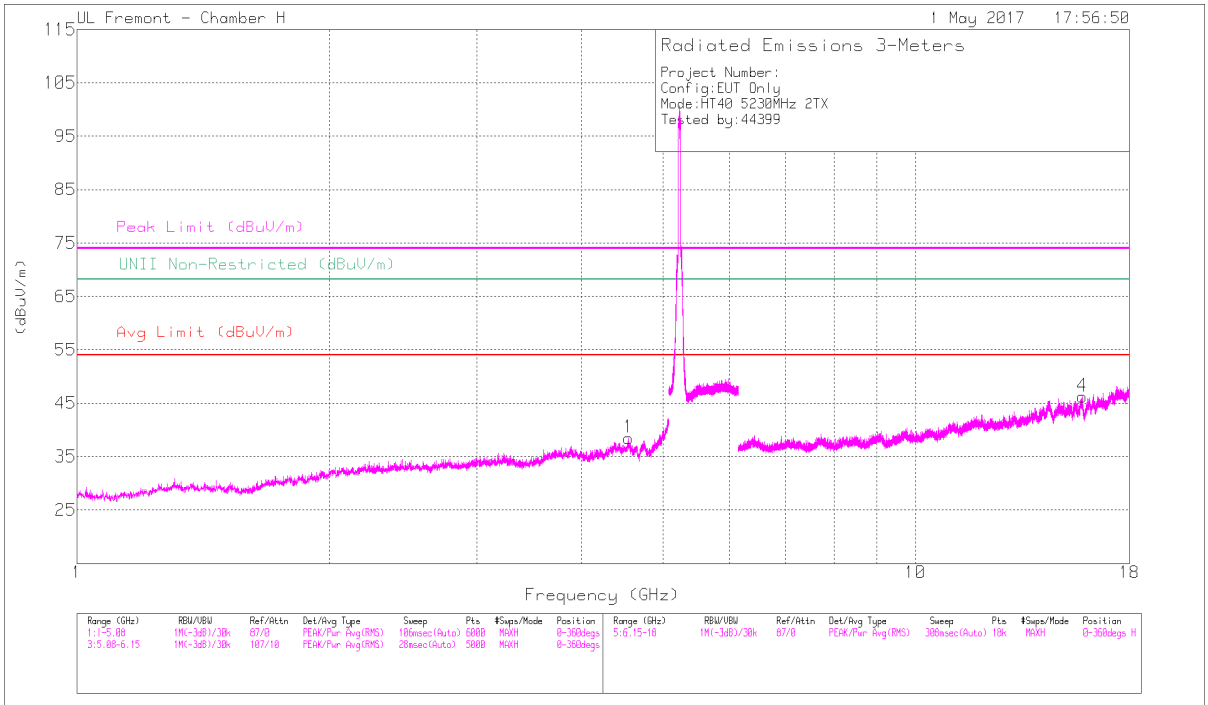
LOW CHANNEL VERTICAL



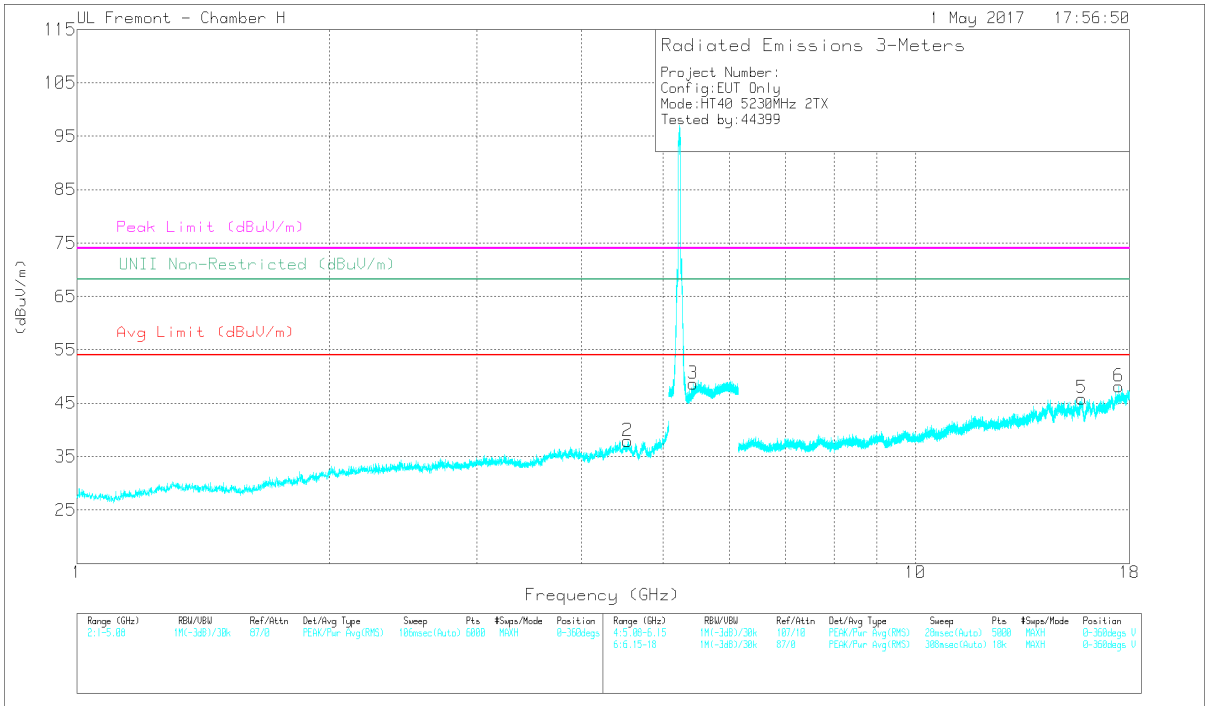
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	DC Corr (dB)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.708	46.11	PK-U	33	0	-36.1	43.01	-	-	74	-30.99	-	-	208	261	H
	* 3.71	34.41	ADR	33	.1	-36.1	31.41	54	-22.59	-	-	-	-	208	261	H
2	* 4.728	43.64	PK-U	34.2	0	-34.3	43.54	-	-	74	-30.46	-	-	249	391	H
	* 4.728	31.38	ADR	34.2	.1	-34.3	31.38	54	-22.62	-	-	-	-	249	391	H
3	* 3.845	45.3	PK-U	33.3	0	-35.7	42.9	-	-	74	-31.1	-	-	317	321	V
	* 3.845	33.65	ADR	33.3	.1	-35.6	31.45	54	-22.55	-	-	-	-	317	321	V
4	* 4.544	45.43	PK-U	34.3	0	-34.9	44.83	-	-	74	-29.17	-	-	317	321	V
	* 4.546	33.95	ADR	34.3	.1	-34.9	33.45	54	-20.55	-	-	-	-	317	321	V
5	* 15.801	35.54	PK-U	42.3	0	-24.4	53.44	-	-	74	-20.56	-	-	29	279	H
	* 15.8	23.84	ADR	42.3	.1	-24.4	41.84	54	-12.16	-	-	-	-	29	279	H
6	* 12.029	36.12	PK-U	39.3	0	-26.3	49.12	-	-	74	-24.88	-	-	12	365	V
	* 12.026	24.59	ADR	39.3	.1	-26.3	37.69	54	-16.31	-	-	-	-	12	365	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
FCC Part15C 5GHz UNII RSE.TST 30915 29 Dec 2015
Rev 9.5 01 Dec 2016

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL

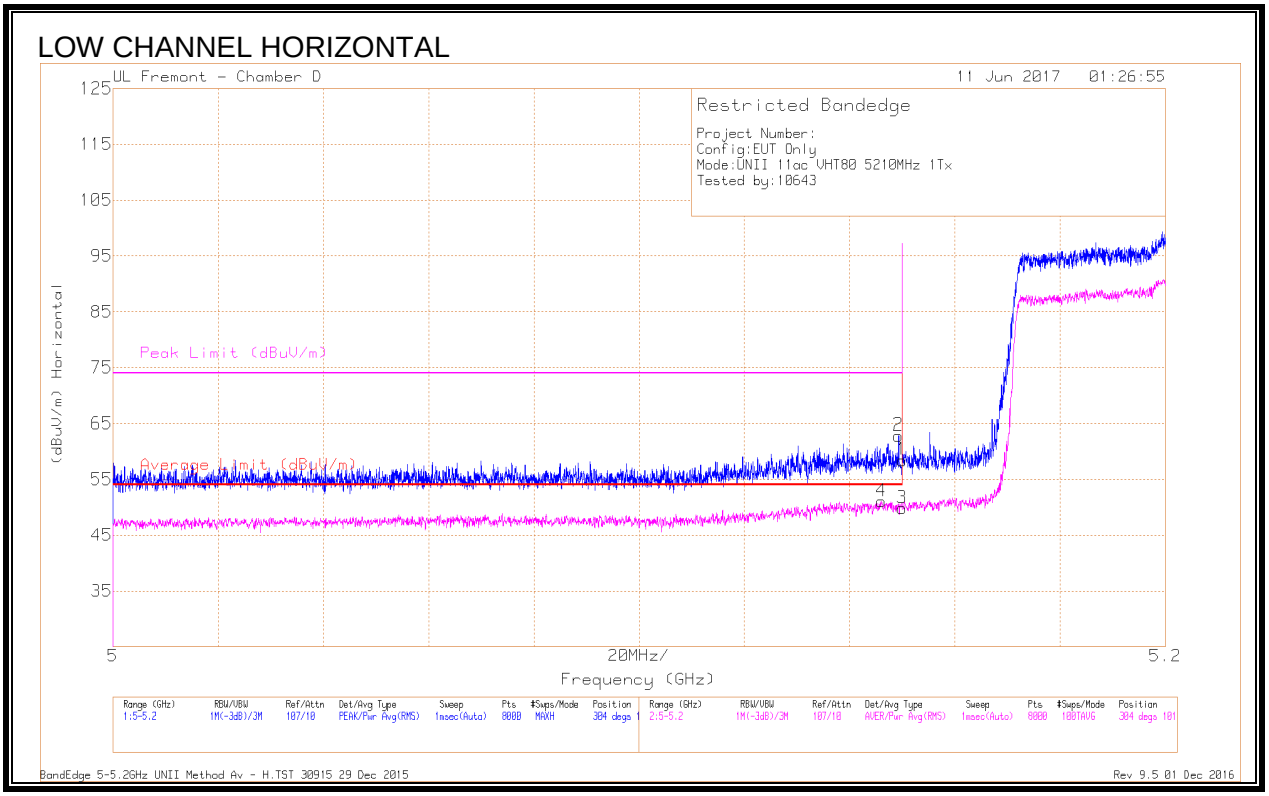


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.546	45.92	PK-U	34.3	-34.9	0	45.32	-	-	74	-28.68	-	-	149	196	H
	* 4.546	33.53	ADR	34.3	-34.9	.1	33.03	54	-20.97	-	-	-	-	149	196	H
2	* 4.538	44.76	PK-U	34.3	-34.9	0	44.16	-	-	74	-29.84	-	-	273	140	V
	* 4.538	33.54	ADR	34.3	-34.9	.1	33.04	54	-20.96	-	-	-	-	273	140	V
3	* 5.433	44.54	PK-U	34.7	-24.4	0	54.84	-	-	74	-19.16	-	-	24	131	V
	* 5.432	32.57	ADR	34.7	-24.5	.1	42.87	54	-11.13	-	-	-	-	24	131	V
4	* 15.808	35.84	PK-U	42.2	-24.2	0	53.84	-	-	74	-20.16	-	-	116	309	H
	* 15.808	23.86	ADR	42.2	-24.2	.1	41.96	54	-12.04	-	-	-	-	116	309	H
5	* 15.794	34.29	PK-U	42.3	-24.5	0	52.09	-	-	74	-21.91	-	-	149	111	V
	* 15.795	23.76	ADR	42.3	-24.4	.1	41.76	54	-12.24	-	-	-	-	150	111	V
6	17.473	23.69	ADR	41.1	-21.4	.1	43.49	-	-	-	-	-	-	317	330	V
	17.476	35.58	PK-U	41.1	-21.3	0	55.38	-	-	-	-	68.2	-12.82	317	330	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
FCC Part15C 5GHz UNII RSE.TST 30915 16 Jun 2015
Rev 9.5 01 Dec 2016

9.1.7. 11ac HT80 UAT 2 SISO MODE IN THE 5.2GHz BAND

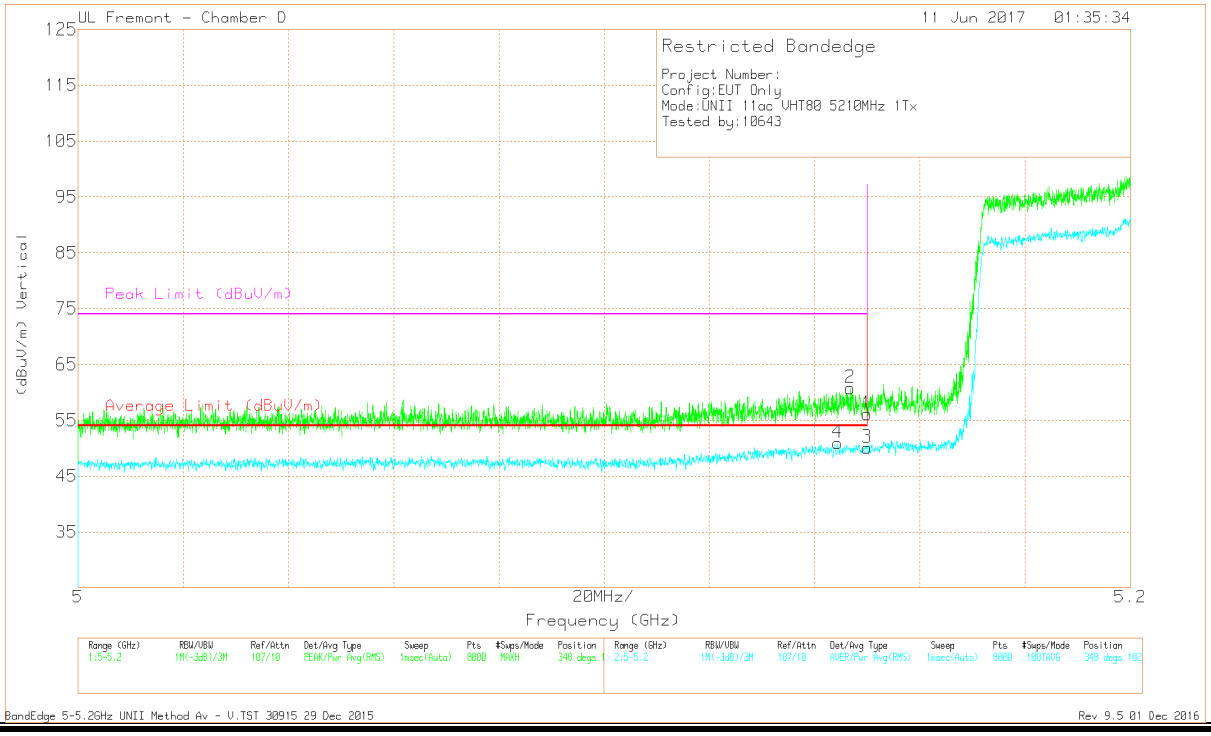
RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	DC Corr (dB)	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
4	* 5.146	35.04	RMS	34.4	.2	-18.4	51.24	54	-2.76	-	-	304	101	H
2	* 5.149	46.84	Pk	34.4	0	-18.4	62.84	-	-	74	-11.16	304	101	H
1	* 5.15	42.45	Pk	34.4	0	-18.4	58.45	-	-	74	-15.55	304	101	H
3	* 5.15	33.81	RMS	34.4	.2	-18.4	50.01	54	-3.99	-	-	304	101	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection
BandEdge 5-5.2GHz UNII Method Av - H.TST 30915 29 Dec 2015
Rev 9.5 01 Dec 2016

LOW CHANNEL VERTICAL

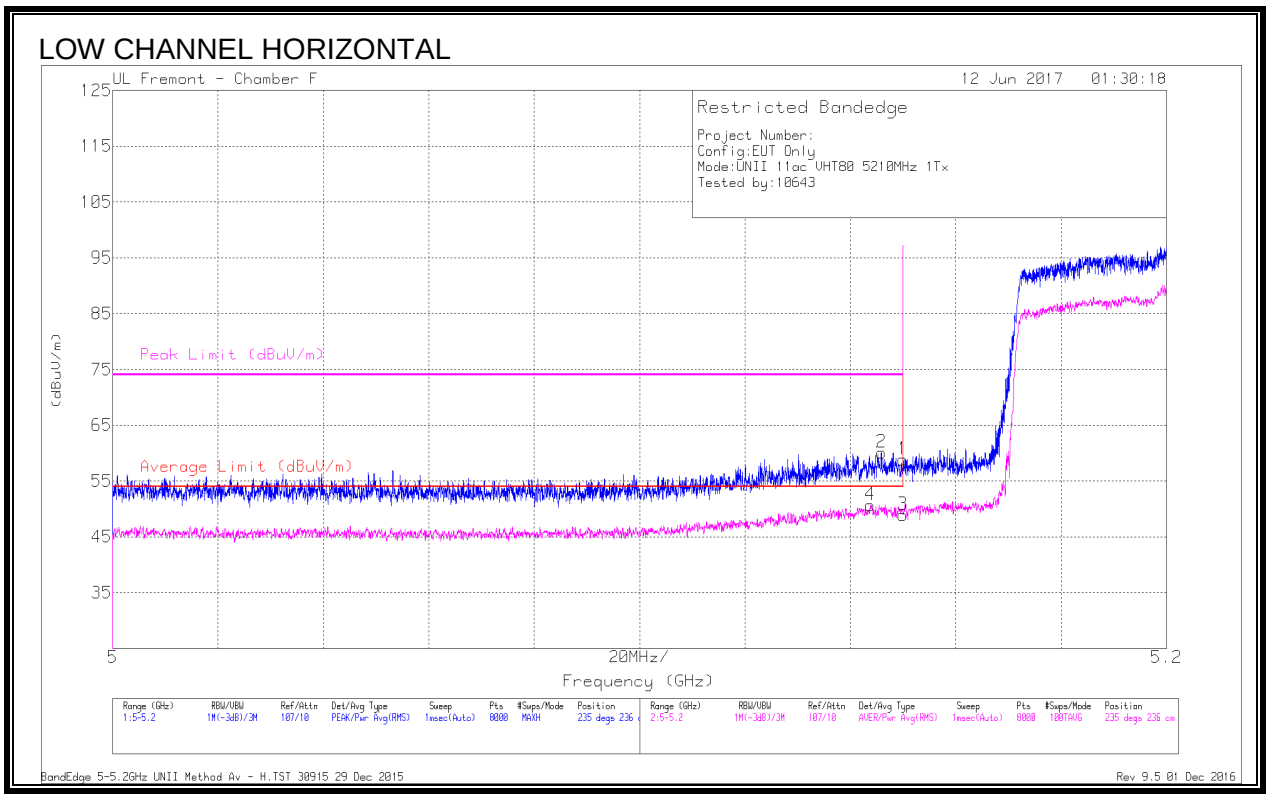


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	DC Corr (dB)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 5.144	34.98	RMS	34.4	.2	-18.4	51.18	54	-2.82	-	-	348	102	V
2	* 5.147	44.78	Pk	34.4	0	-18.4	60.78	-	-	74	-13.22	348	102	V
1	* 5.15	40.14	Pk	34.4	0	-18.4	56.14	-	-	74	-17.86	348	102	V
3	* 5.15	34.12	RMS	34.4	.2	-18.4	50.32	54	-3.68	-	-	348	102	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 29 Dec 2015
Rev 9.5 01 Dec 2016

9.1.8. 11ac HT80 LAT 3 SISO MODE IN THE 5.2GHz BAND

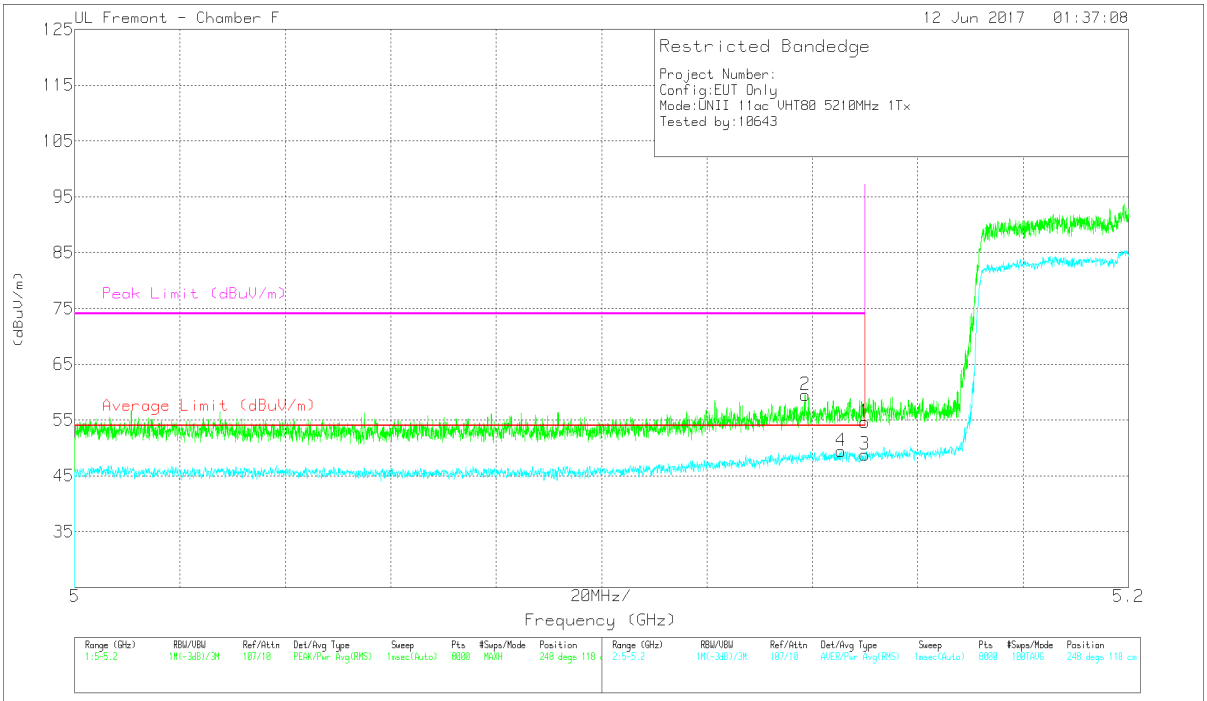
RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	DC Corr (dB)	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	* 5.15	43.08	Pk	34.5	0	-18.7	58.88	-	-	74	-15.12	235	236	H
2	* 5.146	44.44	Pk	34.4	0	-18.7	60.14	-	-	74	-13.86	235	236	H
3	* 5.15	33.18	RMS	34.5	.2	-18.7	49.18	54	-4.82	-	-	235	236	H
4	* 5.144	34.89	RMS	34.4	.2	-18.6	50.89	54	-3.11	-	-	235	236	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection
BandEdge 5-5.2GHz UNII Method Av - H.TST 30915 29 Dec 2015
Rev 9.5 01 Dec 2016

LOW CHANNEL VERTICAL



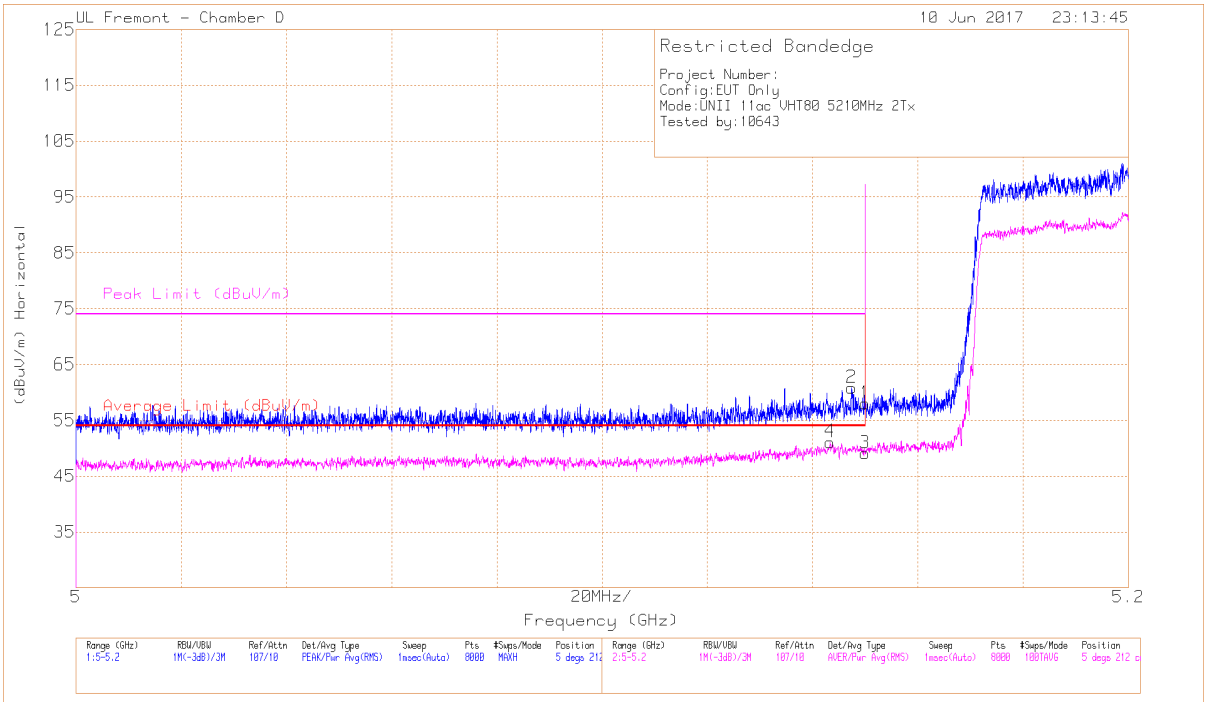
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	38.8	Pk	34.5	-18.7	0	54.6	-	-	74	-19.4	248	118	V
2	* 5.139	43.78	Pk	34.4	-18.7	0	59.48	-	-	74	-14.52	248	118	V
3	* 5.15	32.96	RMS	34.5	-18.7	.2	48.96	54	-5.04	-	-	248	118	V
4	* 5.145	33.71	RMS	34.4	-18.7	.2	49.61	54	-4.39	-	-	248	118	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 29 Dec 2015
Rev 9.5 01 Dec 2016

9.1.9. 11ac HT80 2TX CDD MIMO MODE IN THE 5.2GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

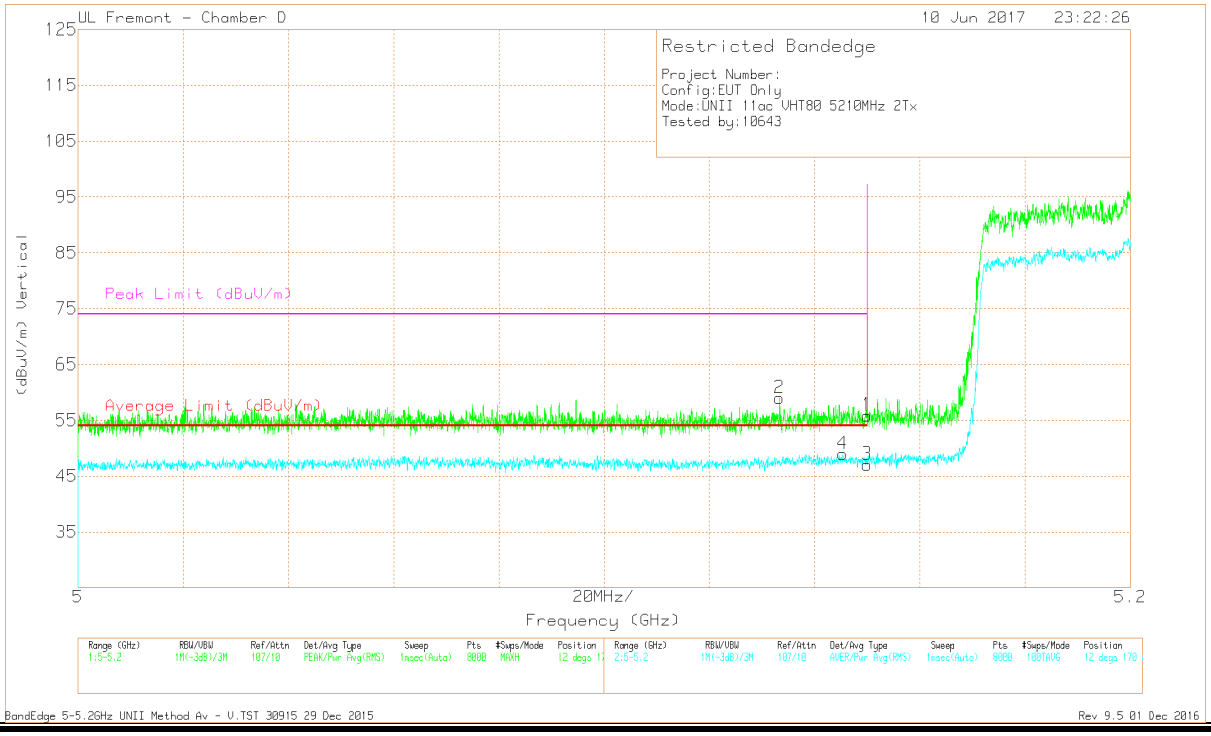
LOW CHANNEL HORIZONTAL



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
4	* 5.143	35.1	RMS	34.4	-18.4	.2	51.3	54	-2.7	-	-	5	212	H
2	* 5.147	44.81	Pk	34.4	-18.4	0	60.81	-	-	74	-13.19	5	212	H
1	* 5.15	42.02	Pk	34.4	-18.4	0	58.02	-	-	74	-15.98	5	212	H
3	* 5.15	33.1	RMS	34.4	-18.4	.2	49.3	54	-4.7	-	-	5	212	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection
BandEdge 5-5.2GHz UNII Method Av - H.TST 30915 29 Dec 2015
Rev 9.5 01 Dec 2016

LOW CHANNEL VERTICAL

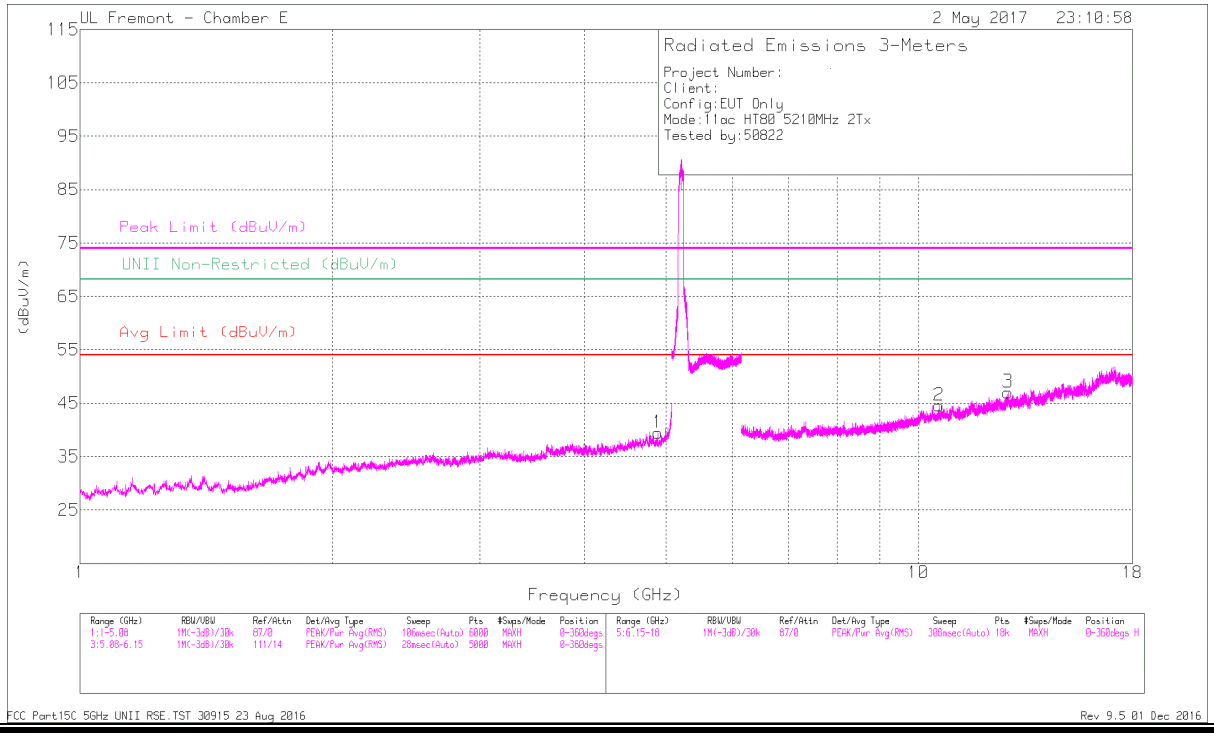


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.133	42.98	Pk	34.4	-18.4	0	58.98	-	-	74	-15.02	12	170	V
4	* 5.145	32.97	RMS	34.4	-18.4	.2	49.17	54	-4.83	-	-	12	170	V
1	* 5.15	39.87	Pk	34.4	-18.4	0	55.87	-	-	74	-18.13	12	170	V
3	* 5.15	31.05	RMS	34.4	-18.4	.2	47.25	54	-6.75	-	-	12	170	V

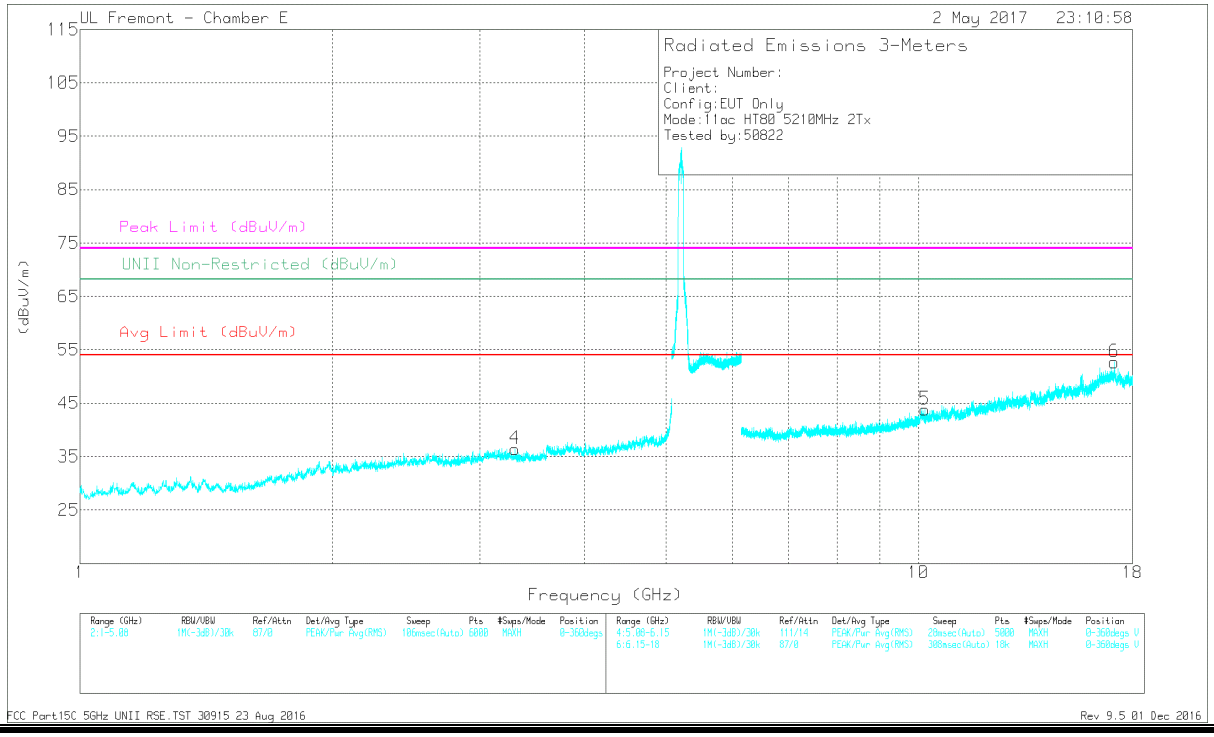
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection
BandEdge 5-5.2GHz UNII Method Av - V.TST 30915 29 Dec 2015
Rev 9.5 01 Dec 2016

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



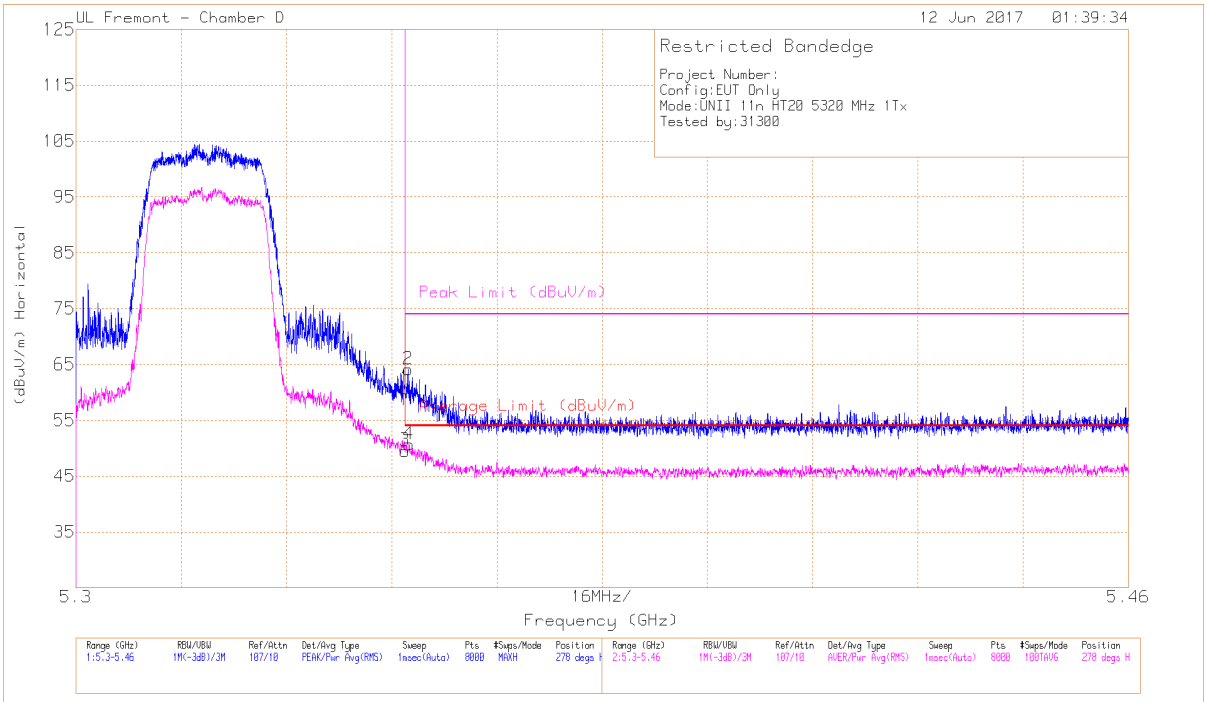
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.891	40.35	PK-U	34.2	-29.7	0	44.85	-	-	74	-29.15	-	-	75	373	H
	* 4.892	28.81	ADR	34.2	-29.7	.2	33.51	54	-20.49	-	-	-	-	75	373	H
4	3.306	41.21	PK-U	32.7	-30.7		43.21	-	-	-	-	68.2	-24.99	97	114	V
5	10.181	36.39	PK-U	37.3	-24.5		49.19	-	-	-	-	68.2	-19.01	299	262	V
3	10.582	37.01	PK-U	37.6	-24.2		50.41	-	-	-	-	68.2	-17.79	213	210	H
2	12.787	37.58	PK-U	39.8	-23.5		53.88	-	-	-	-	68.2	-14.32	69	200	H
6	17.123	36.59	PK-U	42.1	-20.3		58.39	-	-	-	-	68.2	-9.81	162	151	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
FCC Part15C 5GHz UNII RSE.TST 30915 23 Aug 2016
Rev 9.5 01 Dec 2016

9.1.10. 11n HT20 UAT 2 SISO MODE IN THE 5.3GHz BAND

AUTHORIZED BANDEDGE (HIGH CHANNEL)

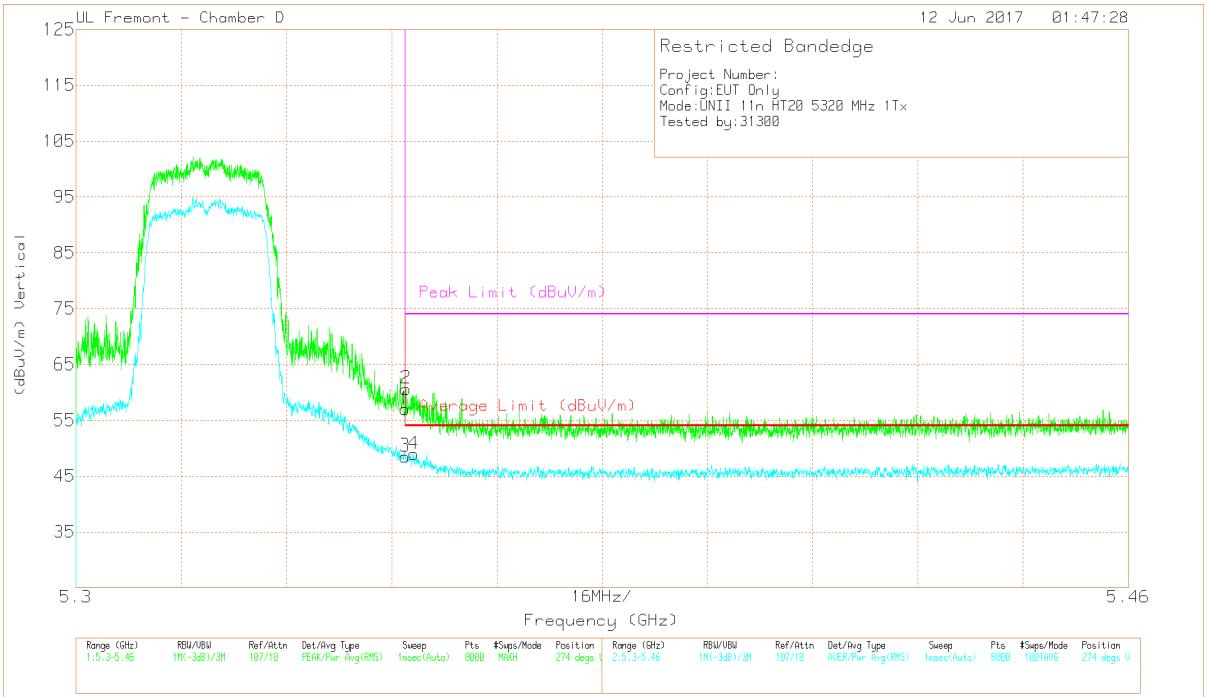
HIGH CHANNEL HORIZONTAL



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	44.55	Pk	34.6	-18.4	60.75	-	-	74	-13.25	278	129	H
2	* 5.35	47.9	Pk	34.6	-18.4	64.1	-	-	74	-9.9	278	129	H
3	* 5.35	33.32	RMS	34.6	-18.4	49.52	54	-4.48	-	-	278	129	H
4	* 5.351	34.46	RMS	34.6	-18.4	50.66	54	-3.34	-	-	278	129	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection
BandEdge 5.3-5.460GHz UNII Method Av - H.TST 30915 29 Dec 2015
Rev 9.5 01 Dec 2016

HIGH CHANNEL VERTICAL

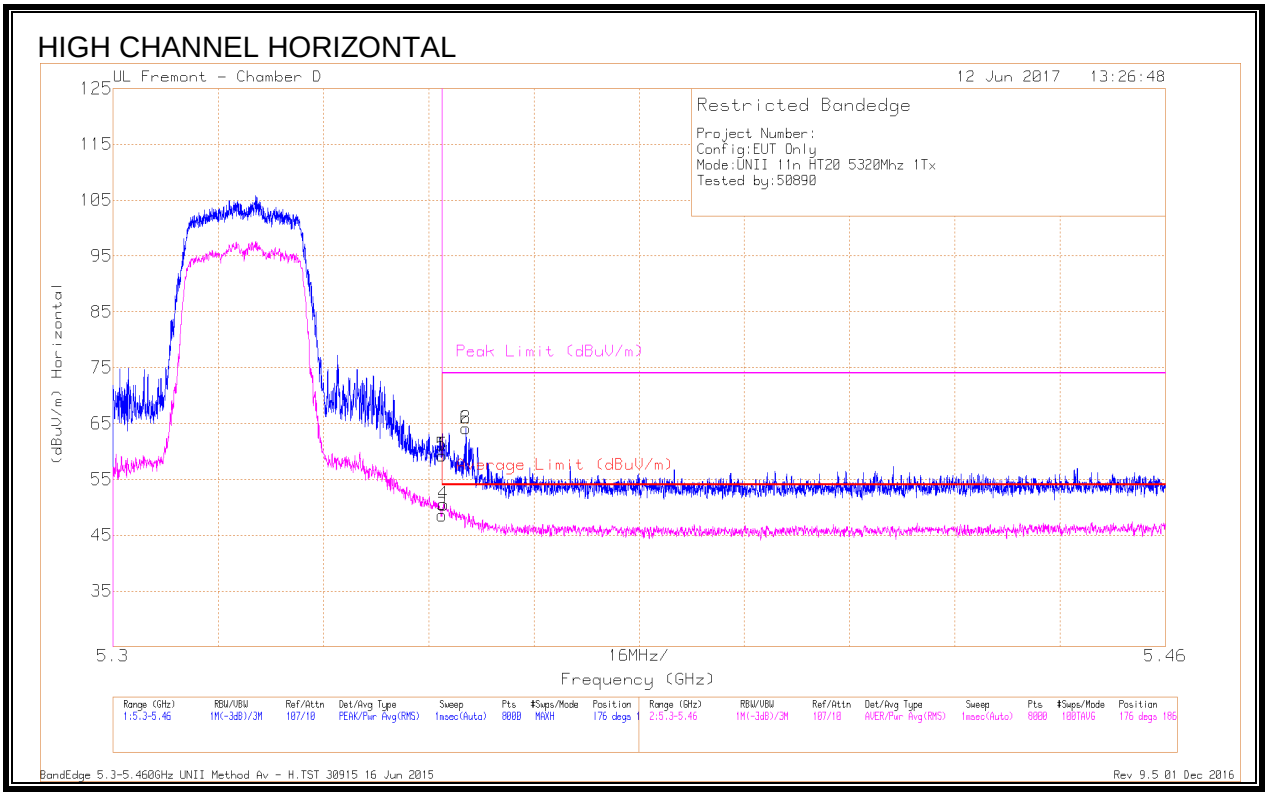


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	40.84	Pk	34.6	-18.4	57.04	-	-	74	-16.96	274	101	V
2	* 5.35	44.45	Pk	34.6	-18.4	60.65	-	-	74	-13.35	274	101	V
3	* 5.35	32.33	RMS	34.6	-18.4	48.53	54	-5.47	-	-	274	101	V
4	* 5.351	32.75	RMS	34.6	-18.4	48.95	54	-5.05	-	-	274	101	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection
BandEdge 5.3-5.460GHz UNII Method AV - V.TST 30915 29 Dec 2015
Rev 9.5 01 Dec 2016

9.1.11. 11n HT20 LAT 3 SISO MODE IN THE 5.3GHz BAND

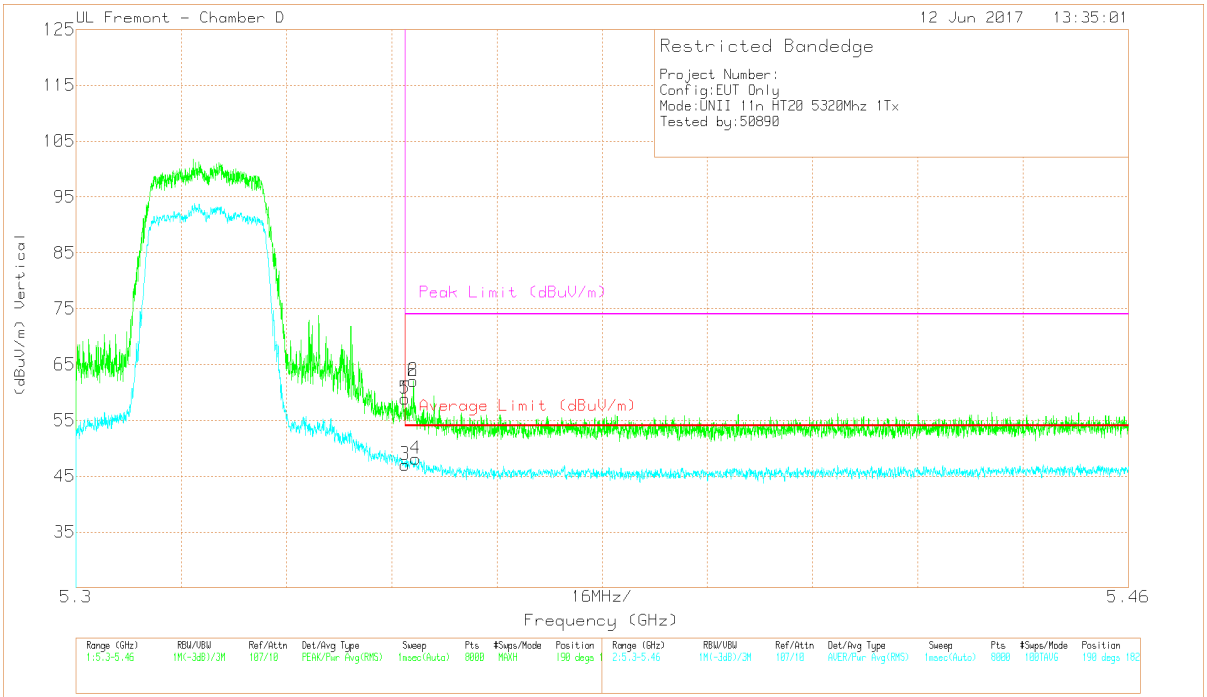
AUTHORIZED BANDEDGE (HIGH CHANNEL)



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	43.09	Pk	34.6	-18.4	59.29	-	-	74	-14.71	176	186	H
2	* 5.354	47.93	Pk	34.6	-18.4	64.13	-	-	74	-9.87	176	186	H
3	* 5.35	32.37	RMS	34.6	-18.4	48.57	54	-5.43	-	-	176	186	H
4	* 5.35	34.32	RMS	34.6	-18.4	50.52	54	-3.48	-	-	176	186	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection
BandEdge 5.3-5.460GHz UNII Method Av - H.TST 30915 16 Jun 2015
Rev 9.5 01 Dec 2016

HIGH CHANNEL VERTICAL



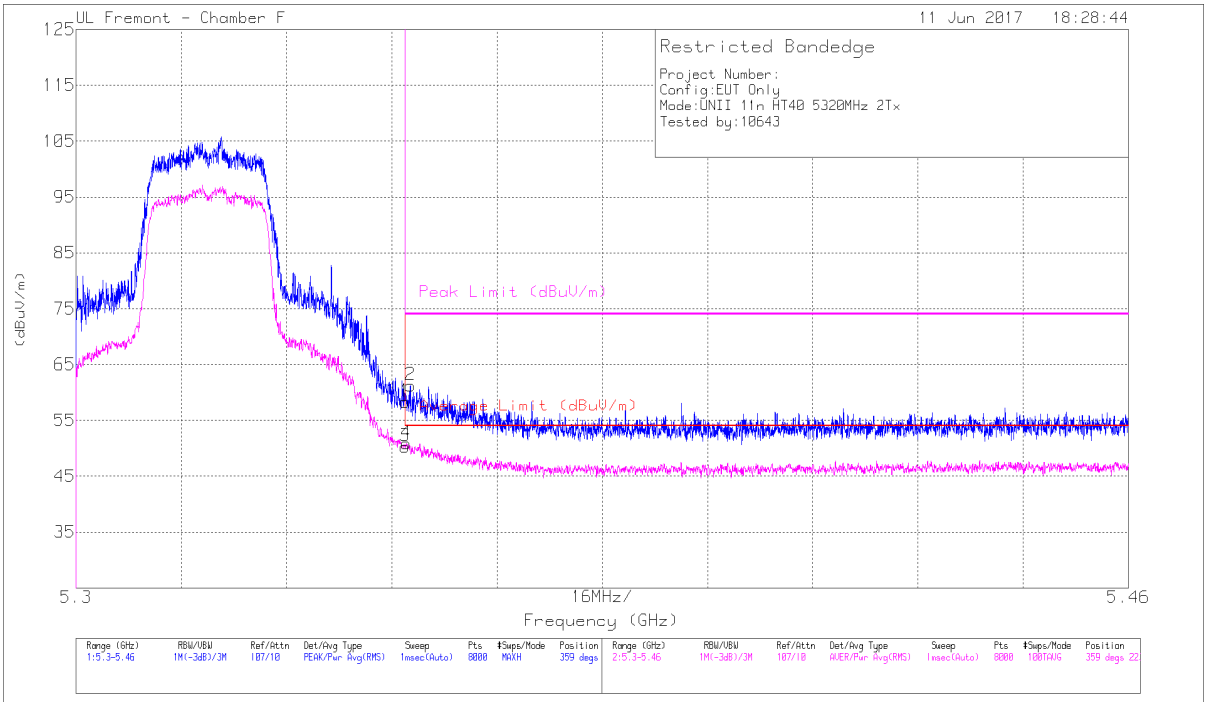
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	42.66	Pk	34.6	-18.4	58.86	-	-	74	-15.14	190	182	V
2	* 5.351	45.87	Pk	34.6	-18.4	62.07	-	-	74	-11.93	190	182	V
3	* 5.35	30.85	RMS	34.6	-18.4	47.05	54	-6.95	-	-	190	182	V
4	* 5.352	31.91	RMS	34.6	-18.4	48.11	54	-5.89	-	-	190	182	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection
BandEdge 5.3-5.460GHz UNII Method AV - V.TST 30915 16 Jun 2015
Rev 9.5 01 Dec 2016

9.1.12. 11n HT20 2TX CDD MIMO MODE IN THE 5.3GHz BAND

AUTHORIZED BANDEDGE (HIGH CHANNEL)

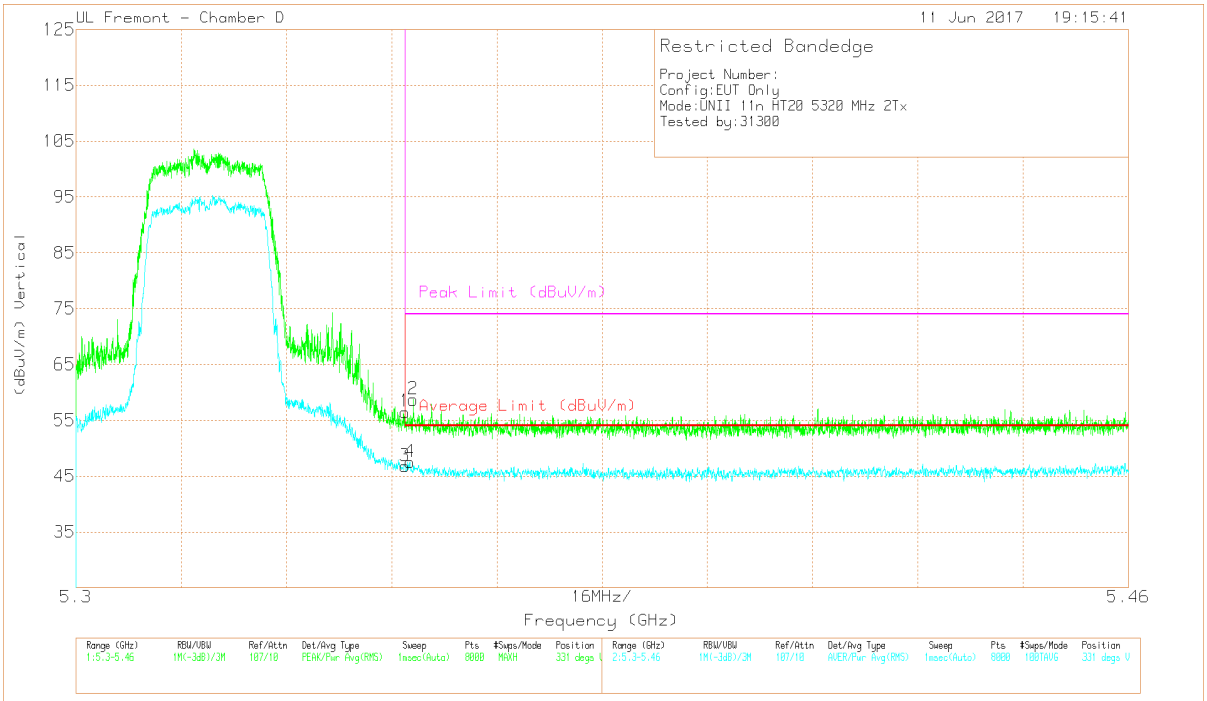
HIGH CHANNEL HORIZONTAL



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	42.34	Pk	34.7	-18.7	58.34	-	-	74	-15.66	359	223	H
2	* 5.351	45.28	Pk	34.7	-18.7	61.28	-	-	74	-12.72	359	223	H
3	* 5.35	34.34	RMS	34.7	-18.7	50.34	54	-3.66	-	-	359	223	H
4	* 5.35	34.88	RMS	34.7	-18.7	50.88	54	-3.12	-	-	359	223	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection
BandEdge 5.3-5.460GHz UNII Method Av - H.TST 30915 29 Dec 2015
Rev 9.5 01 Dec 2016

HIGH CHANNEL VERTICAL

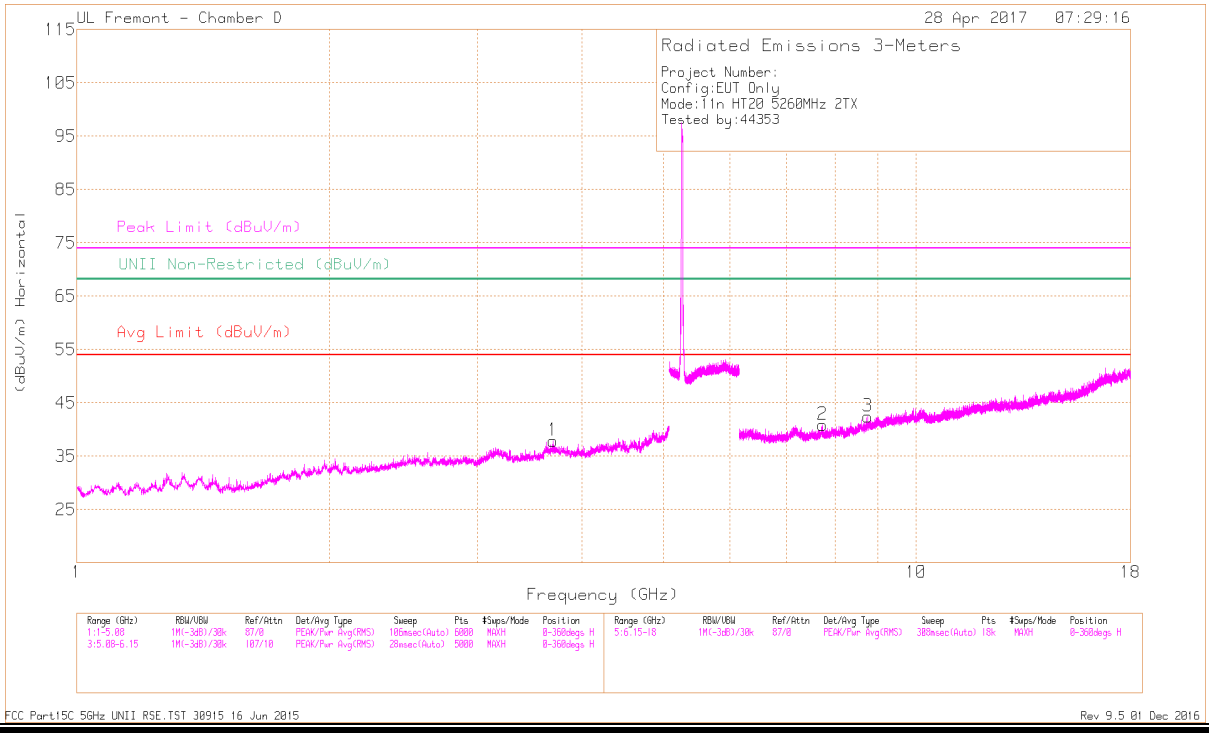


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	40.29	Pk	34.6	-18.4	56.49	-	-	74	-17.51	331	246	V
2	* 5.351	42.52	Pk	34.6	-18.4	58.72	-	-	74	-15.28	331	246	V
3	* 5.35	30.55	RMS	34.6	-18.4	46.75	54	-7.25	-	-	331	246	V
4	* 5.351	31.29	RMS	34.6	-18.4	47.49	54	-6.51	-	-	331	246	V

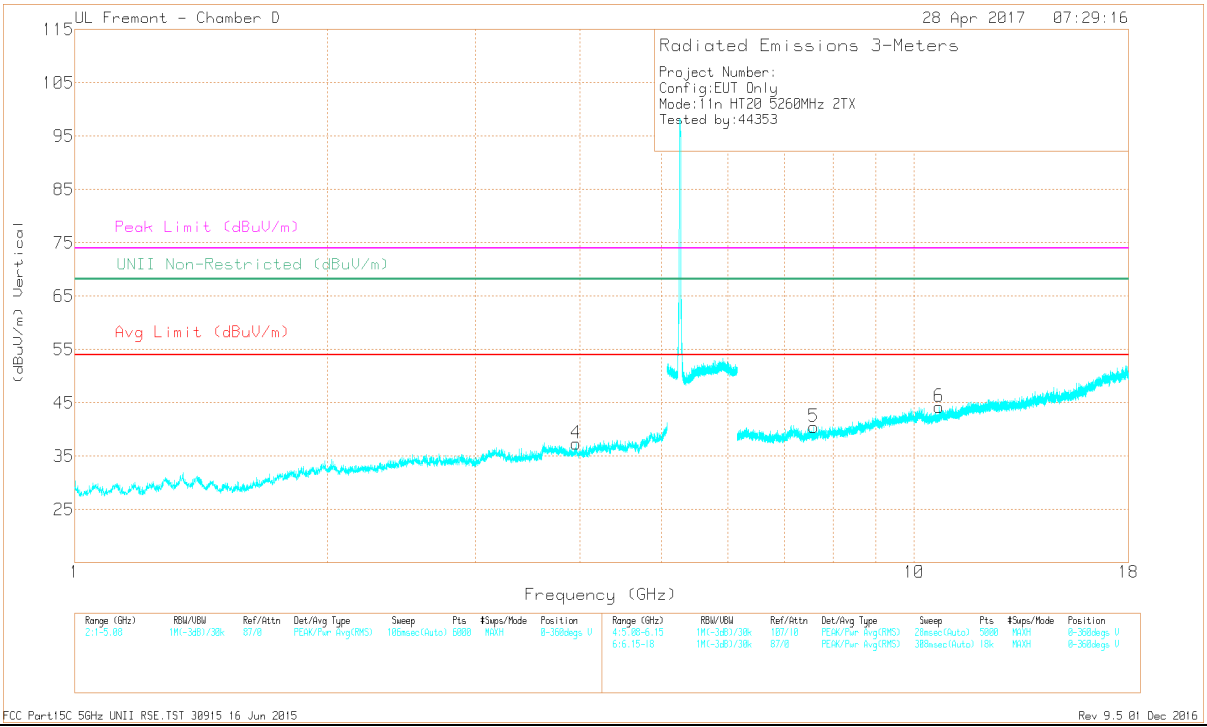
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection
BandEdge 5.3-5.460GHz UNII Method AV - V.TST 30915 29 Dec 2015
Rev 9.5 01 Dec 2016

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



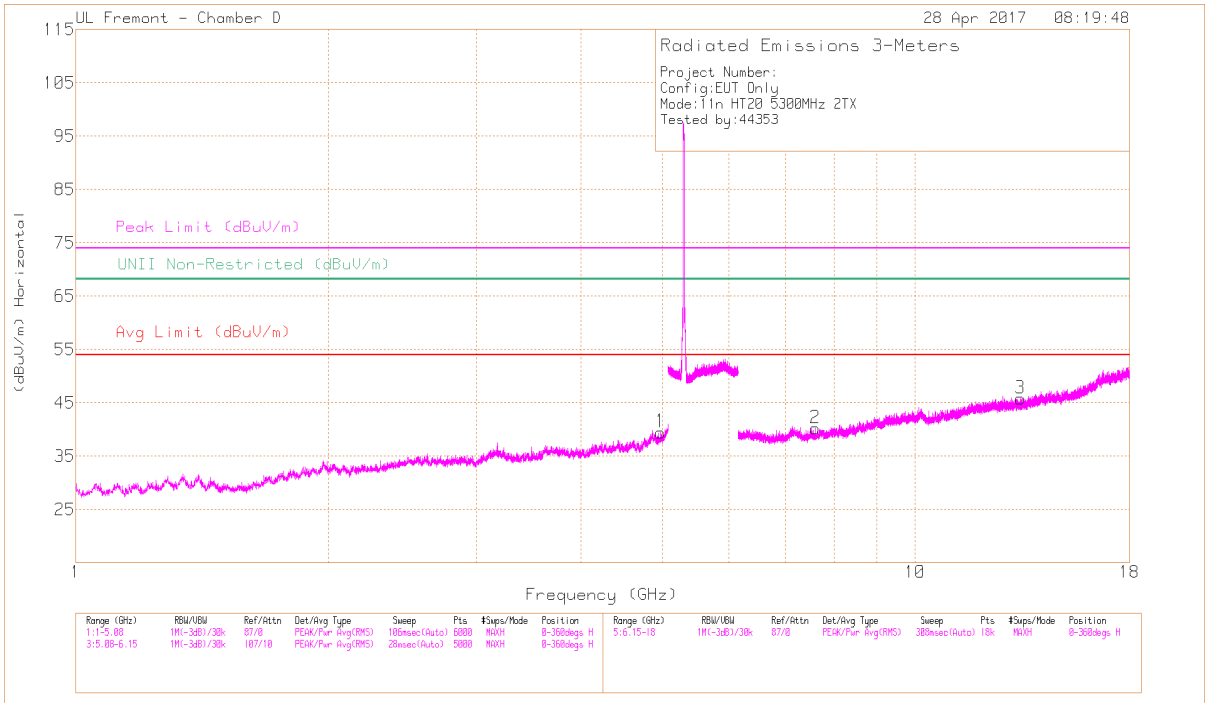
LOW CHANNEL VERTICAL



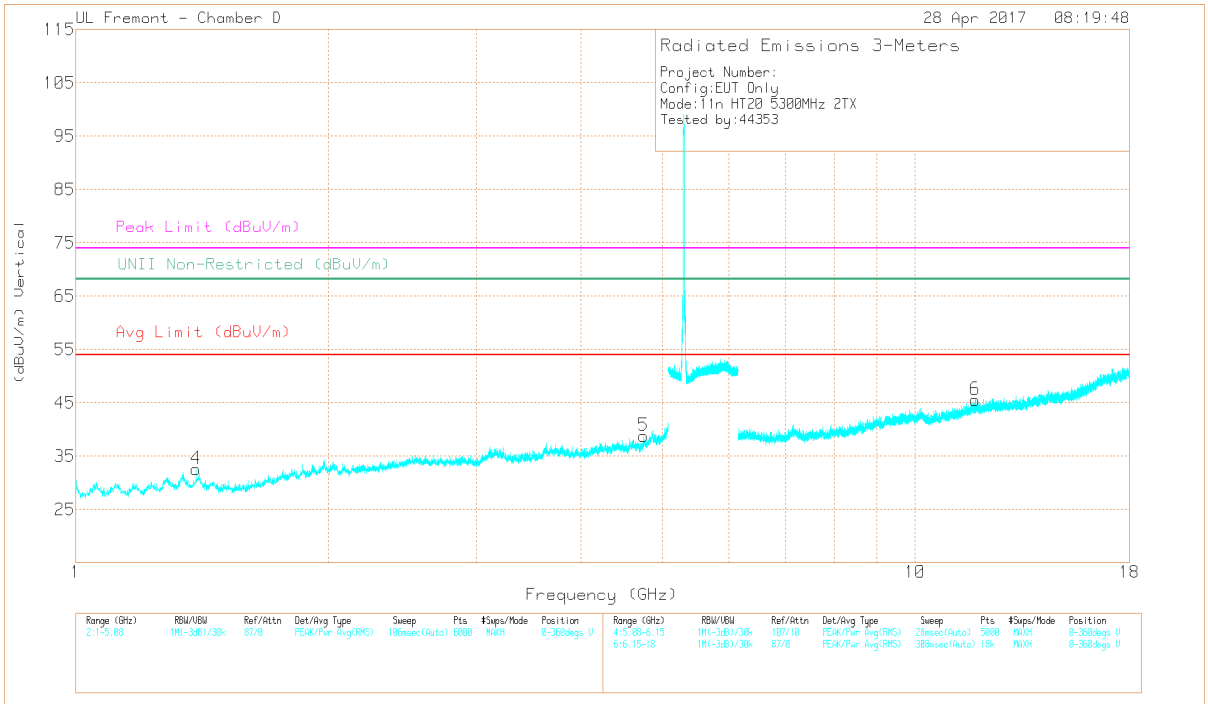
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.693	38.82	PK-U	33.3	-29.1	43.02	-	-	74	-30.98	-	-	287	136	H
	* 3.694	27.43	ADR	33.3	-29.1	31.63	54	-22.37	-	-	-	-	287	136	H
4	* 3.952	38.4	PK-U	33.3	-28	43.7	-	-	74	-30.3	-	-	114	201	V
	* 3.952	26.99	ADR	33.3	-28	32.29	54	-21.71	-	-	-	-	114	201	V
2	* 7.731	35.79	PK-U	35.8	-24.3	47.29	-	-	74	-26.71	-	-	252	186	H
	* 7.732	24.45	ADR	35.8	-24.3	35.95	54	-18.05	-	-	-	-	252	186	H
5	* 7.585	36.06	PK-U	35.7	-25.5	46.26	-	-	74	-27.74	-	-	109	293	V
	* 7.588	25.04	ADR	35.7	-25.5	35.24	54	-18.76	-	-	-	-	109	293	V
6	* 10.713	34.24	PK-U	37.1	-21.5	49.84	-	-	74	-24.16	-	-	42	177	V
	* 10.715	22.88	ADR	37.1	-21.4	38.58	54	-15.42	-	-	-	-	42	177	V
3	8.753	35.71	PK-U	36.3	-22.5	49.51	-	-	-	-	68.2	-18.69	314	102	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 01 Dec 2016

MID CHANNEL HORIZONTAL



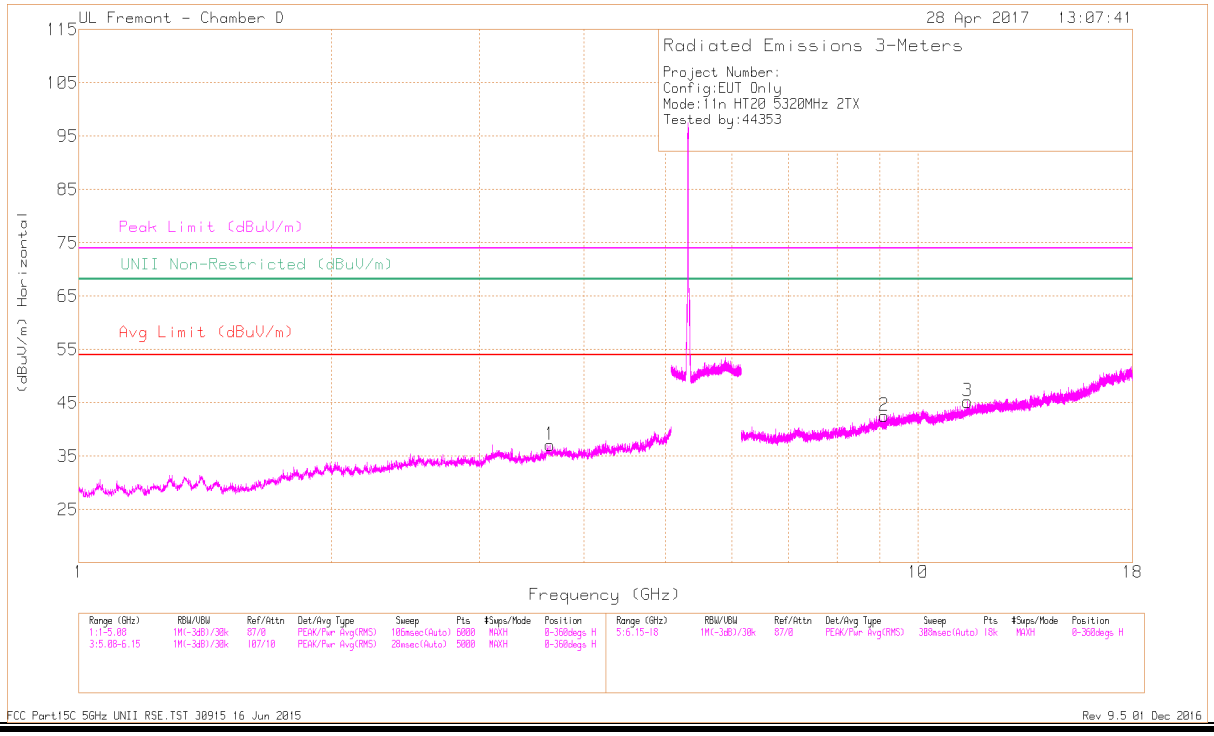
MID CHANNEL VERTICAL



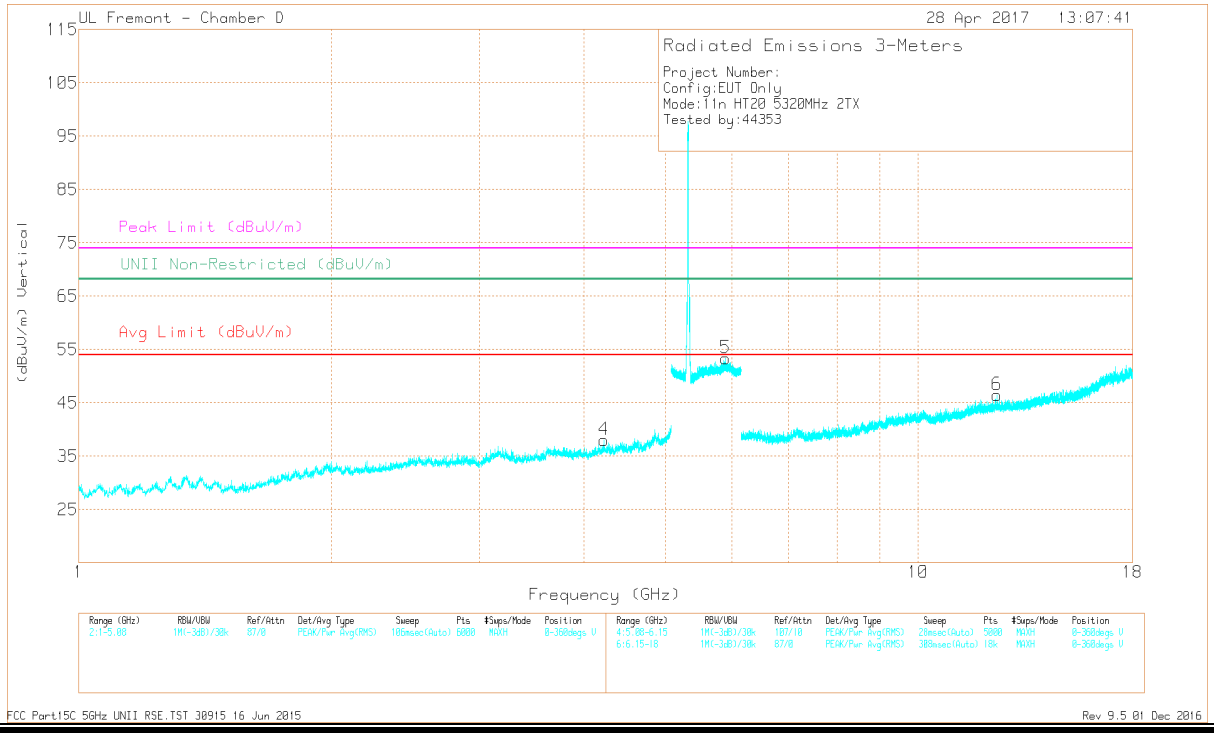
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.97	38.16	PK-U	34.3	-26.8	45.66	-	-	74	-28.34	-	-	284	198	H
	* 4.972	26.61	ADR	34.3	-26.8	34.11	54	-19.89	-	-	-	-	284	198	H
4	* 1.393	41.17	PK-U	29.2	-31.2	39.17	-	-	74	-34.83	-	-	141	266	V
	* 1.393	29	ADR	29.2	-31.2	27.00	54	-27.00	-	-	-	-	141	266	V
5	* 4.751	38.94	PK-U	34	-27.3	45.64	-	-	74	-28.36	-	-	119	168	V
	* 4.748	27.41	ADR	34	-27.4	34.01	54	-19.99	-	-	-	-	119	168	V
2	* 7.603	36.9	PK-U	35.7	-25.4	47.2	-	-	74	-26.8	-	-	326	250	H
	* 7.6	25.05	ADR	35.7	-25.4	35.35	54	-18.65	-	-	-	-	326	250	H
3	* 13.353	37.02	PK-U	39.4	-22.6	53.82	-	-	74	-20.18	-	-	76	237	H
	* 13.353	24.25	ADR	39.4	-22.6	41.05	54	-12.95	-	-	-	-	76	237	H
6	* 11.79	34.99	PK-U	38.7	-21.4	52.29	-	-	74	-21.71	-	-	340	292	V
	* 11.792	23.17	ADR	38.7	-21.5	40.37	54	-13.63	-	-	-	-	340	292	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
FCC Part15C 5GHz UNII RSE.TST 30915 16 Jun 2015
Rev 9.5 01 Dec 2016

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



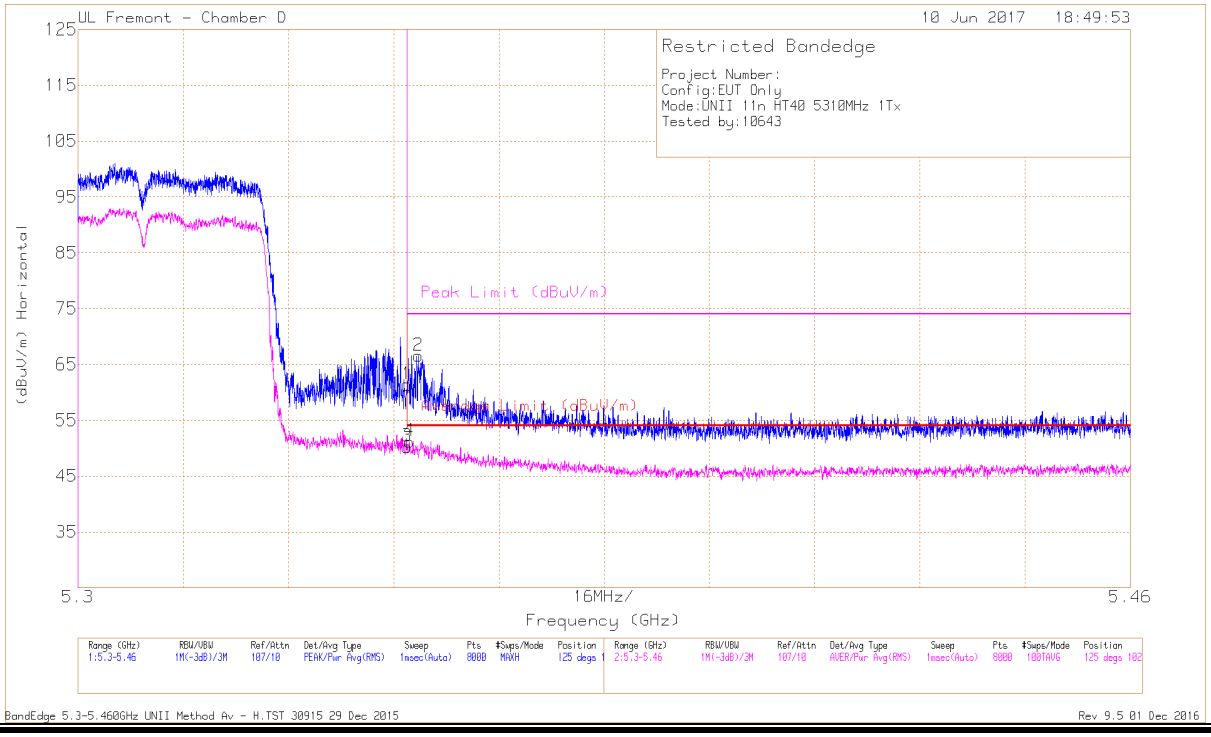
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.642	38.7	PK-U	33.2	-29.1	42.8	-	-	74	-31.2	-	-	103	289	H
	* 3.639	27.08	ADR	33.2	-29	31.28	54	-22.72	-	-	-	-	103	289	H
4	* 4.228	38.07	PK-U	33.5	-27.6	43.97	-	-	74	-30.03	-	-	277	132	V
	* 4.226	26.59	ADR	33.5	-27.6	32.49	54	-21.51	-	-	-	-	277	132	V
2	* 9.104	34.45	PK-U	36.7	-22.8	48.35	-	-	74	-25.65	-	-	254	103	H
	* 9.105	23.66	ADR	36.7	-22.8	37.56	54	-16.44	-	-	-	-	254	103	H
3	* 11.457	34.35	PK-U	38.2	-21.4	51.15	-	-	74	-22.85	-	-	319	286	H
	* 11.455	23.2	ADR	38.2	-21.4	40.00	54	-14.00	-	-	-	-	319	286	H
6	* 12.41	34.22	PK-U	39	-21.1	52.12	-	-	74	-21.88	-	-	124	168	V
	* 12.412	23.32	ADR	39	-21.2	41.12	54	-12.88	-	-	-	-	124	168	V
5	5.891	41.88	PK-U	35.2	-17.4	59.68	-	-	-	-	68.2	-8.52	299	208	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
FCC Part15C 5GHz UNII RSE.TST 30915 16 Jun 2015
Rev 9.5 01 Dec 2016

9.1.13. 11n HT40 UAT 2 SISO MODE IN THE 5.3GHz BAND

AUTHORIZED BANDEDGE (HIGH CHANNEL)

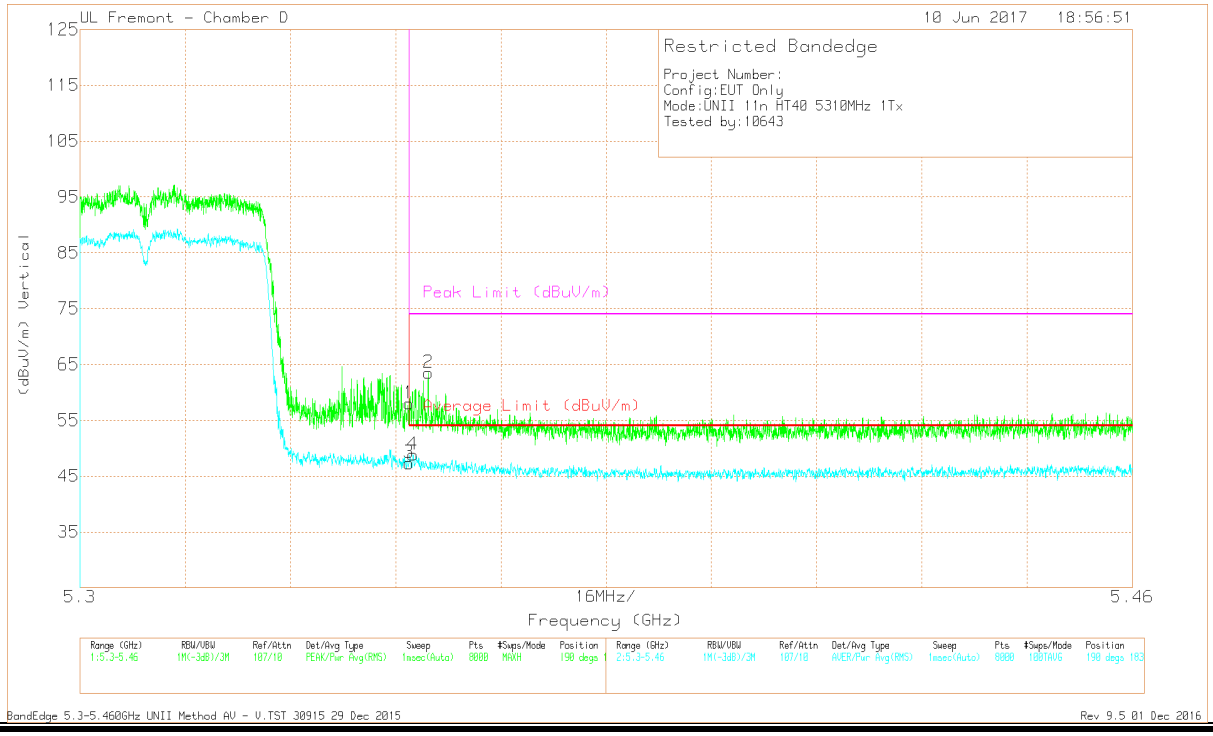
HIGH CHANNEL HORIZONTAL



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	45.2	Pk	34.6	-18.4	0	61.4	-	-	74	-12.6	125	102	H
2	* 5.352	50.38	Pk	34.6	-18.4	0	66.58	-	-	74	-7.42	125	102	H
3	* 5.35	34.08	RMS	34.6	-18.4	.1	50.38	54	-3.62	-	-	125	102	H
4	* 5.35	35.04	RMS	34.6	-18.4	.1	51.34	54	-2.66	-	-	125	102	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection
BandEdge 5.3-5.460GHz UNII Method Av - H.TST 30915 29 Dec 2015
Rev 9.5 01 Dec 2016

HIGH CHANNEL VERTICAL



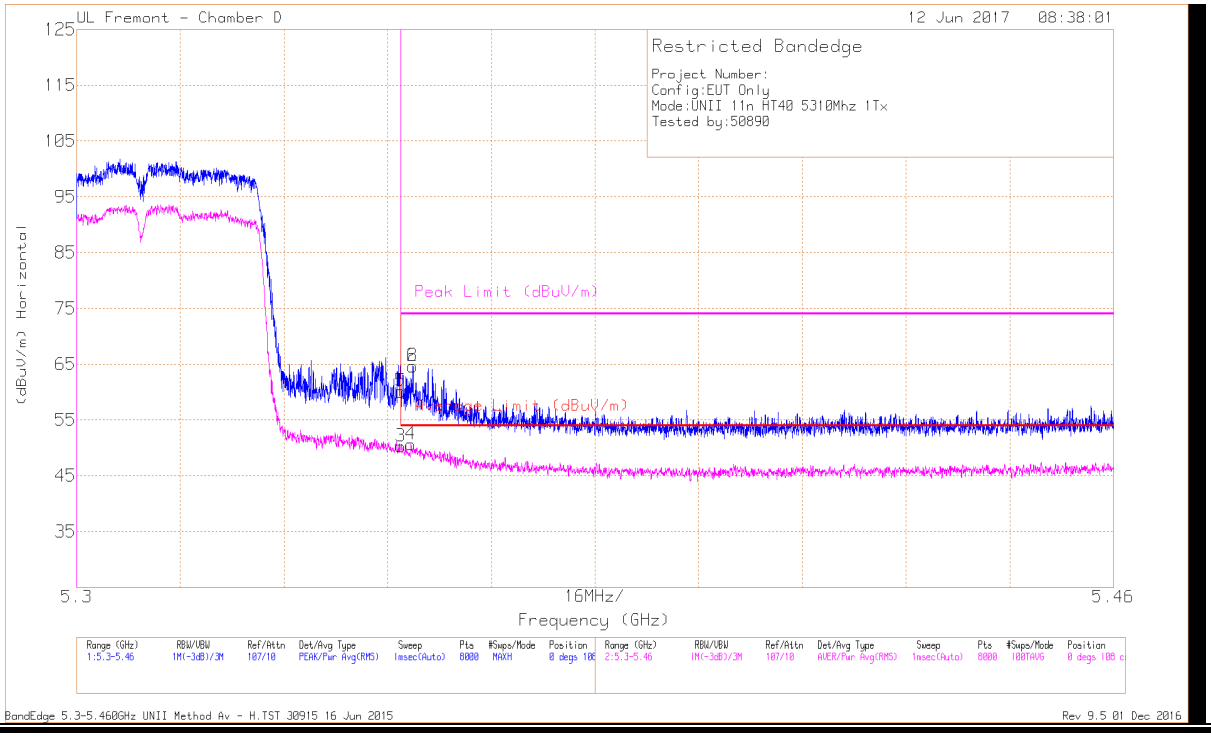
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	41.82	Pk	34.6	-18.4	0	58.02	-	-	74	-15.98	190	183	V
2	* 5.353	47.3	Pk	34.6	-18.4	0	63.5	-	-	74	-10.5	190	183	V
3	* 5.35	31.15	RMS	34.6	-18.4	.1	47.45	54	-6.55	-	-	190	183	V
4	* 5.351	32.66	RMS	34.6	-18.4	.1	48.96	54	-5.04	-	-	190	183	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection
BandEdge 5.3-5.460GHz UNII Method AV - V.TST 30915 29 Dec 2015
Rev 9.5 01 Dec 2016

9.1.14. 11n HT40 LAT 3 SISO MODE IN THE 5.3GHz BAND

AUTHORIZED BANDEDGE (HIGH CHANNEL)

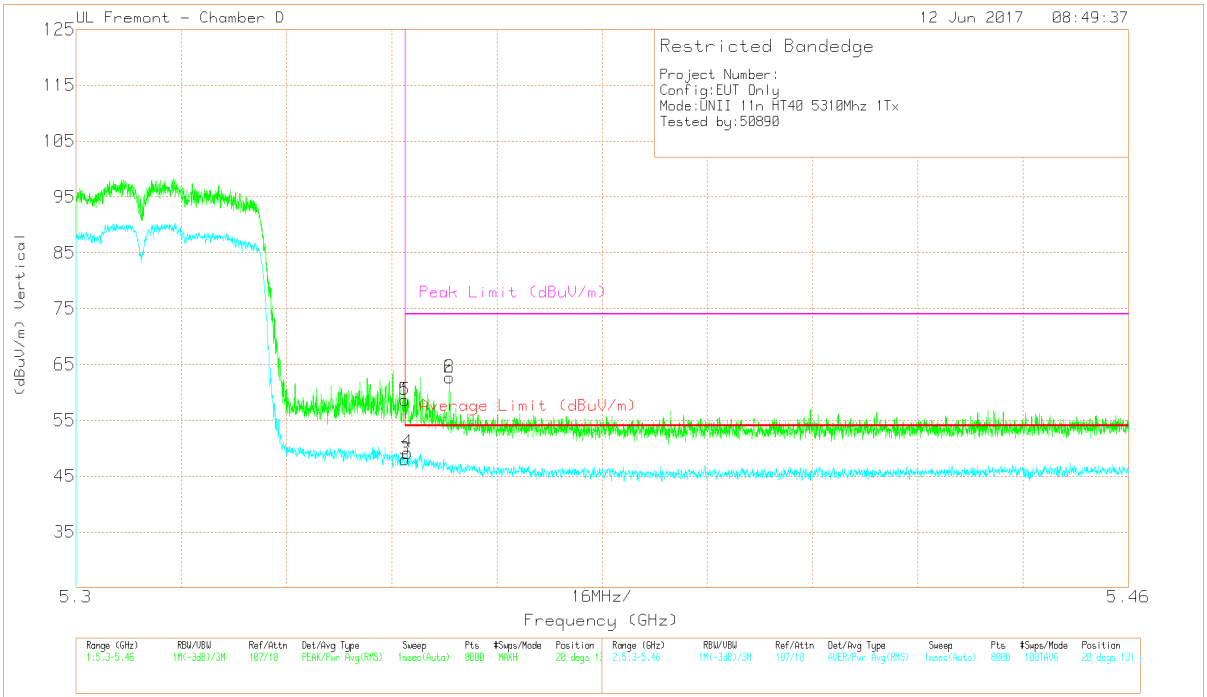
HIGH CHANNEL HORIZONTAL



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	43.92	Pk	34.6	-18.4	0	60.12	-	-	74	-13.88	0	108	H
2	* 5.352	48.45	Pk	34.6	-18.4	0	64.65	-	-	74	-9.35	0	108	H
3	* 5.35	34.07	RMS	34.6	-18.4	.1	50.37	54	-3.63	-	-	0	108	H
4	* 5.352	34.42	RMS	34.6	-18.4	.1	50.72	54	-3.28	-	-	0	108	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection
BandEdge 5.3-5.460GHz UNII Method Av - H.TST 30915 16 Jun 2015
Rev 9.5 01 Dec 2016

HIGH CHANNEL VERTICAL



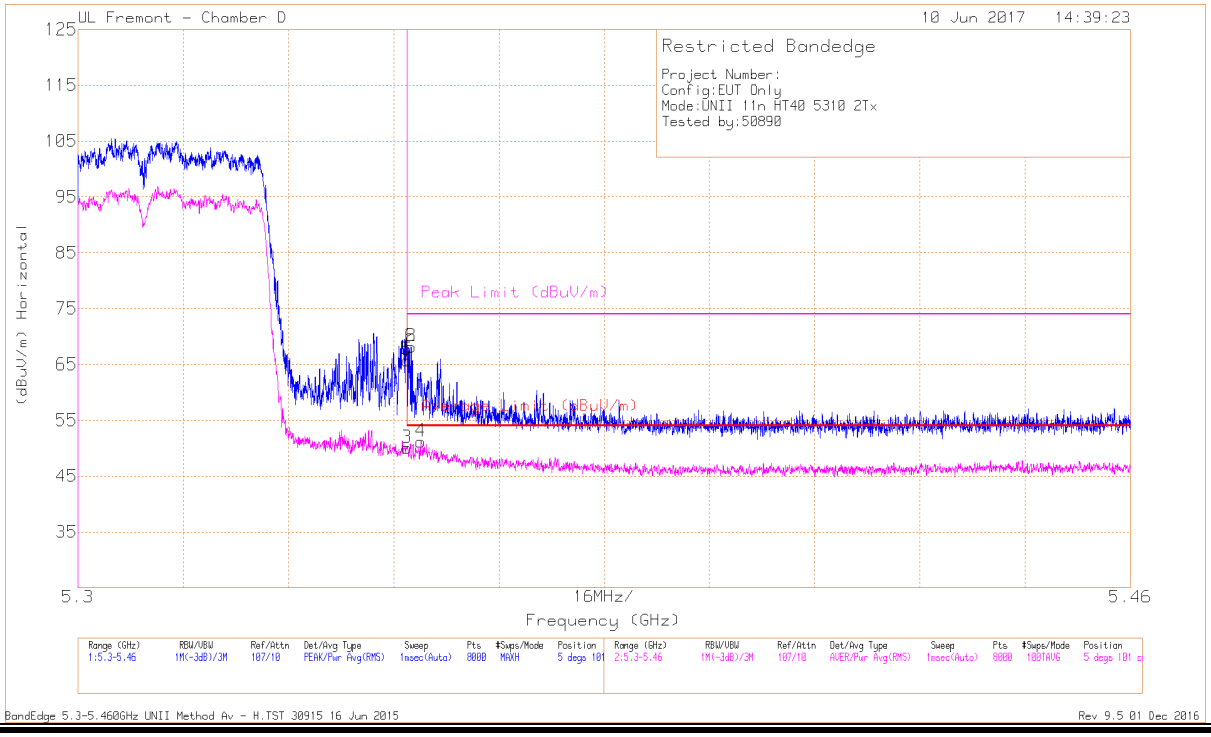
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	42.44	Pk	34.6	-18.4	0	58.64	-	-	74	-15.36	20	131	V
3	* 5.35	31.8	RMS	34.6	-18.4	.1	48.1	54	-5.9	-	-	20	131	V
4	* 5.35	32.99	RMS	34.6	-18.4	.1	49.29	54	-4.71	-	-	20	131	V
2	* 5.357	46.45	Pk	34.6	-18.4	0	62.65	-	-	74	-11.35	20	131	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection
UNII_5.3_BE_V_11n_HT40_5310_1Tx_Q76_Unit 1017.DAT 30915 16 Jun 2015
Rev 9.5 01 Dec 2016

9.1.15. 11n HT40 2TX CDD MIMO MODE IN THE 5.3GHz BAND

AUTHORIZED BANDEDGE (HIGH CHANNEL)

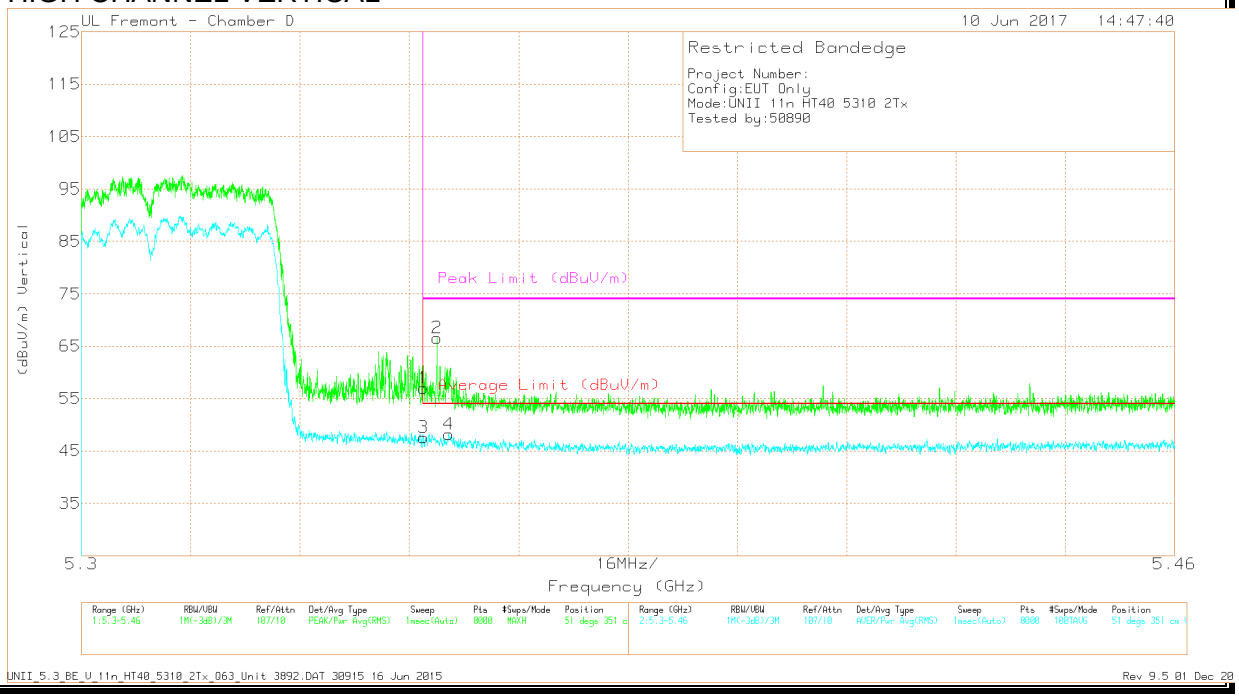
HIGH CHANNEL HORIZONTAL



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	49.58	Pk	34.6	-18.4	0	65.78	-	-	74	-8.22	5	101	H
2	* 5.351	52.02	Pk	34.6	-18.4	0	68.22	-	-	74	-5.78	5	101	H
3	* 5.35	33.85	RMS	34.6	-18.4	.1	50.15	54	-3.85	-	-	5	101	H
4	* 5.352	35	RMS	34.6	-18.4	.1	51.3	54	-2.7	-	-	5	101	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection
BandEdge 5.3-5.460GHz UNII Method Av - H.TST 30915 16 Jun 2015
Rev 9.5 01 Dec 2016

HIGH CHANNEL VERTICAL

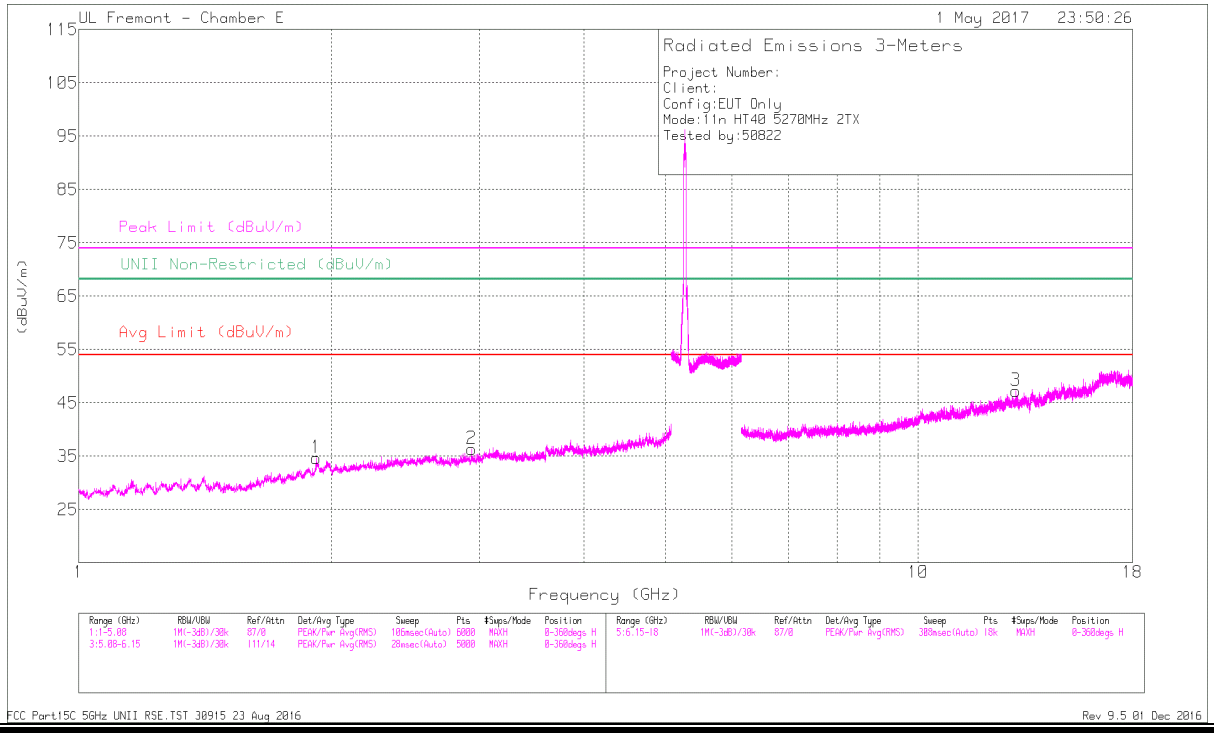


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	40.74	Pk	34.6	-18.4	0	56.94	-	-	74	-17.06	51	351	V
3	* 5.35	31.34	RMS	34.6	-18.4	.1	47.64	54	-6.36	-	-	51	351	V
2	* 5.352	50.31	Pk	34.6	-18.4	0	66.51	-	-	74	-7.49	51	351	V
4	* 5.354	32.02	RMS	34.6	-18.4	.1	48.32	54	-5.68	-	-	51	351	V

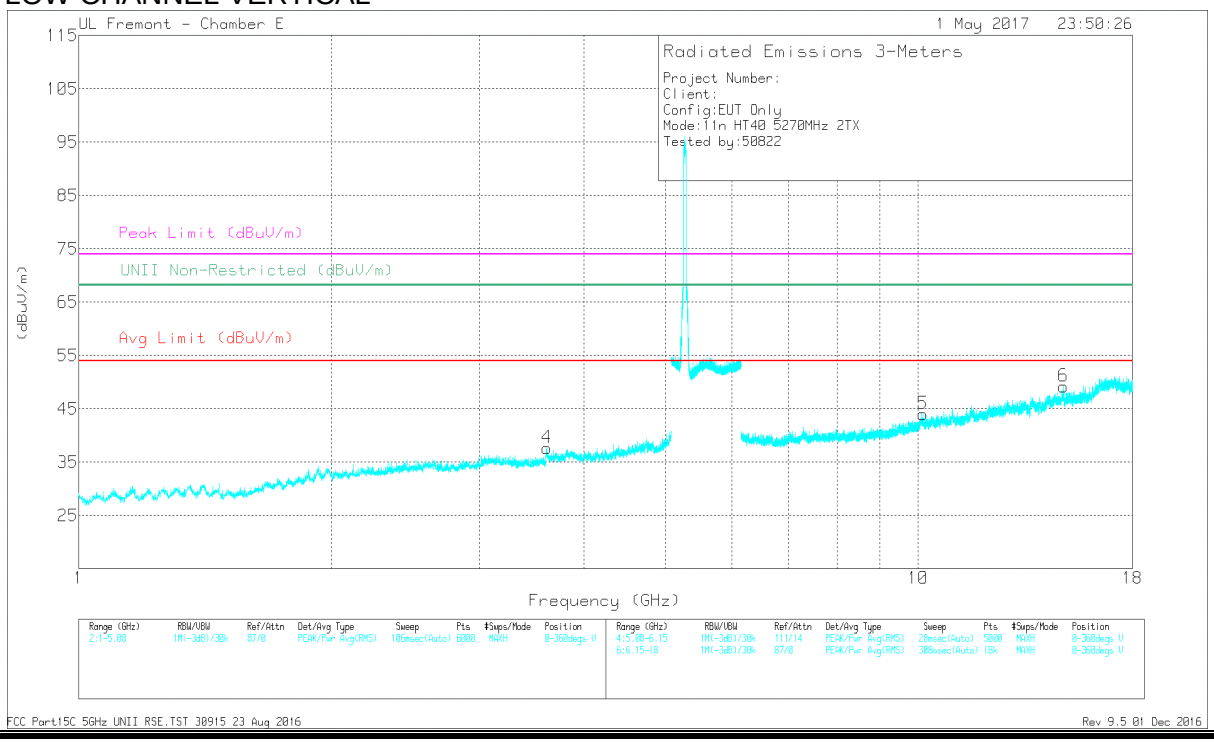
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection
UNII_5.3_BE_V_11n_HT40_5310_2Tx_Q63_Unit 3892.DAT 30915 16 Jun 2015
Rev 9.5 01 Dec 2016

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



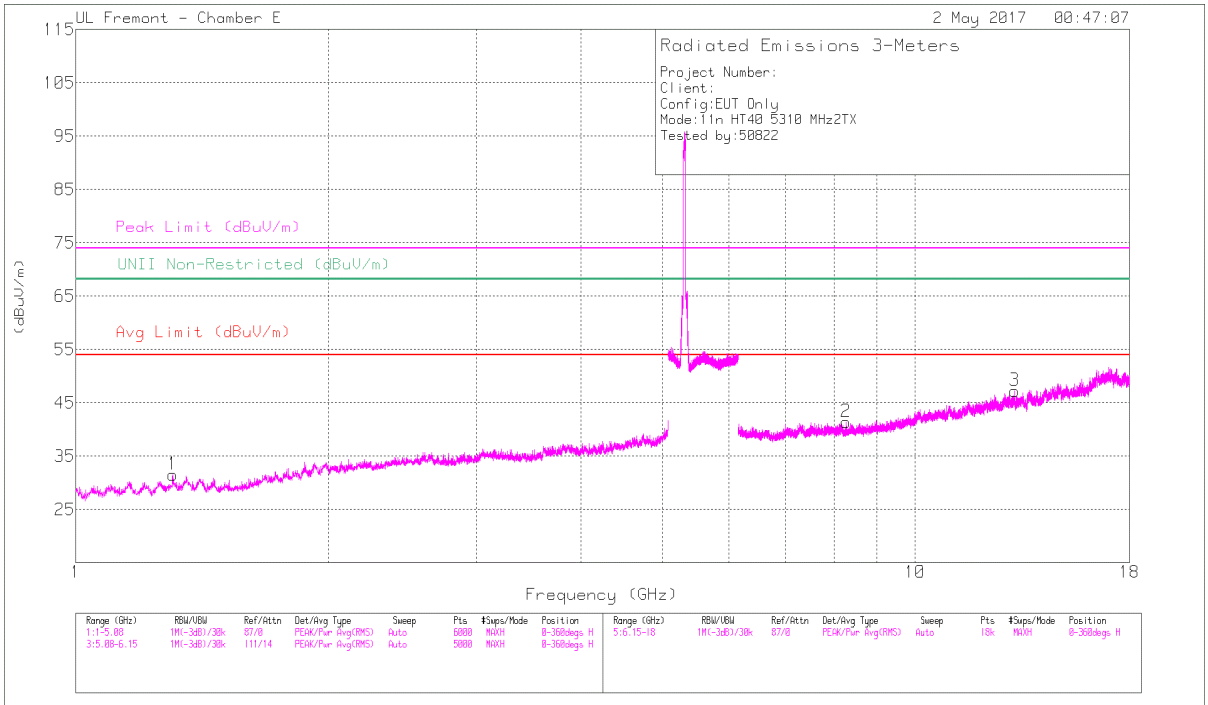
LOW CHANNEL VERTICAL



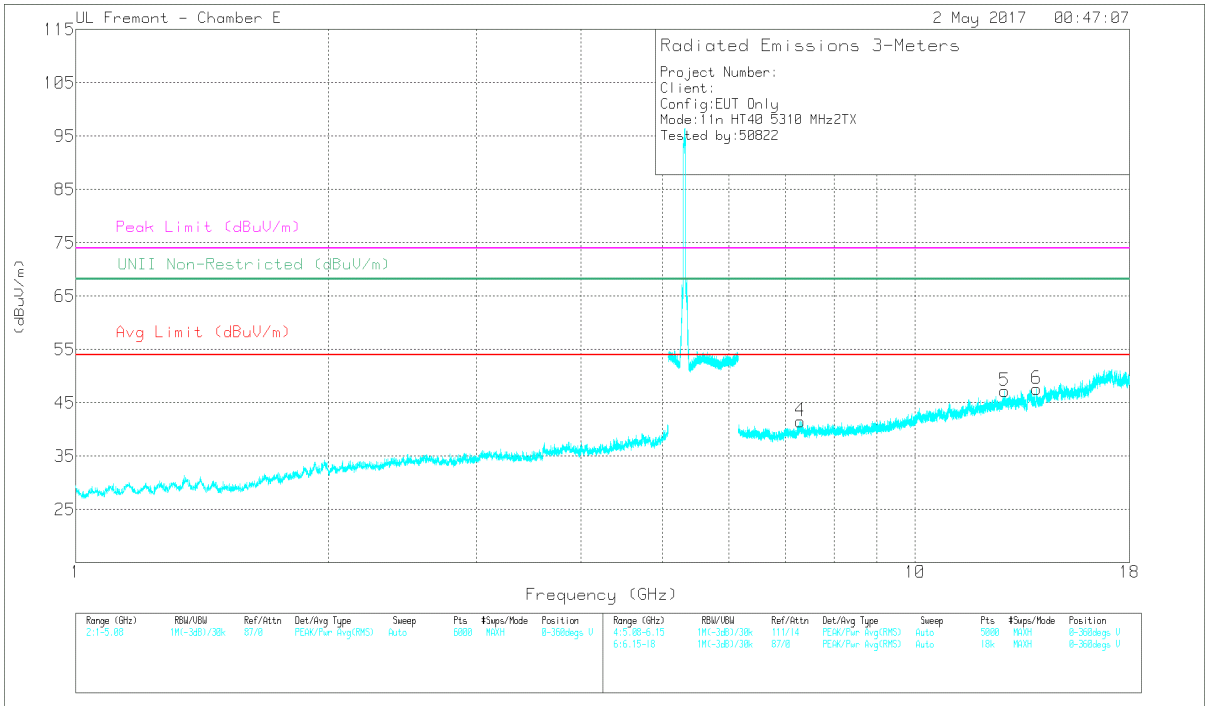
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 3.614	41.64	PK-U	33	-30.5	0	44.14	-	-	74	-29.86	-	-	139	371	V
	* 3.615	29.74	ADR	33	-30.5	.1	32.34	54	-21.66	-	-	-	-	139	371	V
1	1.919	43.22	PK-U	31	-33.1	0	41.12	-	-	-	-	68.2	-27.08	345	110	H
	1.919	30.94	ADR	31	-33.1	.1	28.94	-	-	-	-	-	-	345	110	H
2	2.938	41.47	PK-U	32.6	-31.9	0	42.17	-	-	-	-	68.2	-26.03	267	317	H
	2.939	29.76	ADR	32.6	-31.9	.1	30.56	-	-	-	-	-	-	267	317	H
5	10.135	36.17	PK-U	37.3	-23.4	0	50.07	-	-	-	-	68.2	-18.13	4	249	V
	10.135	24.56	ADR	37.3	-23.3	.1	38.66	-	-	-	-	-	-	4	249	V
3	13.065	38.18	PK-U	39.9	-24.4	0	53.68	-	-	-	-	68.2	-14.52	89	174	H
	13.066	26.06	ADR	39.9	-24.4	.1	41.66	-	-	-	-	-	-	89	174	H
6	14.896	37.88	PK-U	40.6	-22.8	0	55.68	-	-	-	-	68.2	-12.52	181	202	V
	14.896	26.17	ADR	40.6	-22.8	.1	44.07	-	-	-	-	-	-	181	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
FCC Part15C 5GHz UNII RSE.TST 30915 23 Aug 2016
Rev 9.5 01 Dec 2016

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



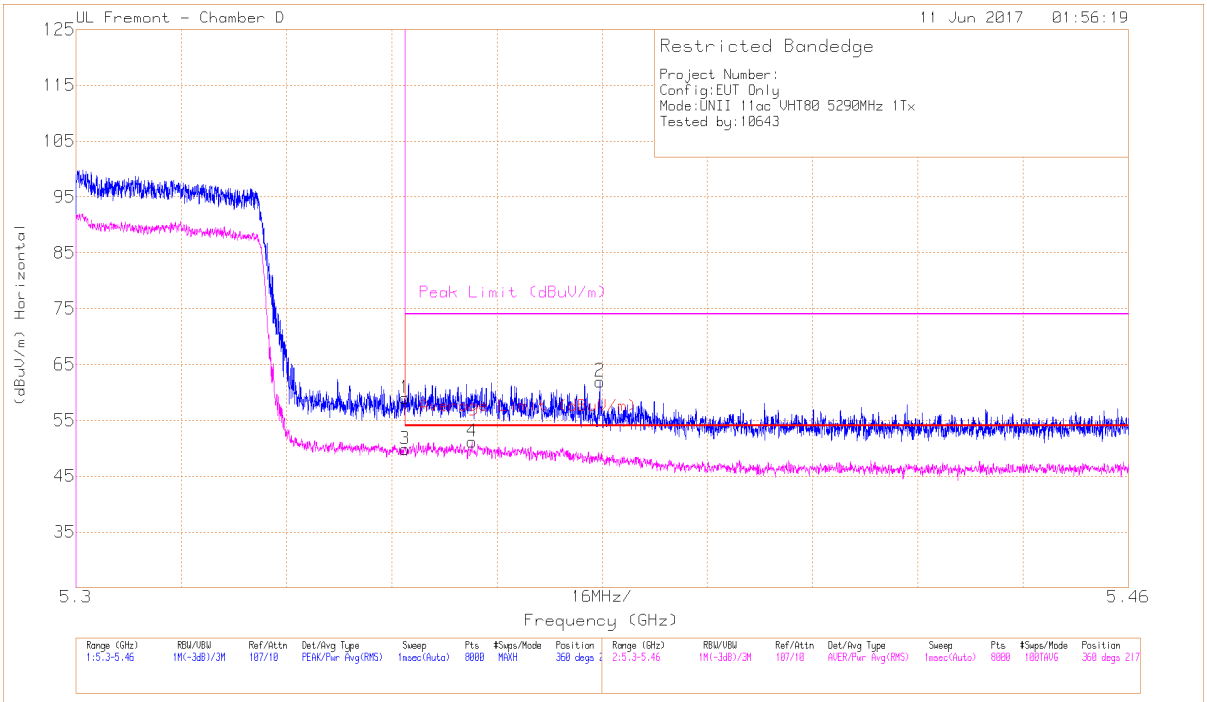
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.305	44.78	PK-U	28.8	-35.4	0	38.18	-	-	74	-35.82	-	-	336	241	H
	* 1.306	32.78	ADR	28.8	-35.4	.1	26.28	54	-27.72	-	-	-	-	336	241	H
2	* 8.276	39.21	PK-U	36.1	-26.8	0	48.51	-	-	74	-25.49	-	-	193	125	H
	* 8.277	26.8	ADR	36.1	-26.9	.1	36.1	54	-17.9	-	-	-	-	193	125	H
4	* 7.295	38.48	PK-U	35.9	-26.2	0	48.18	-	-	74	-25.82	-	-	126	194	V
	* 7.297	26.97	ADR	35.9	-26.2	.1	36.77	54	-17.23	-	-	-	-	126	194	V
5	12.786	37.74	PK-U	39.8	-23.5	0	54.04	-	-	-	-	68.2	-14.16	236	329	V
	12.788	25.67	ADR	39.8	-23.5	.1	42.07	-	-	-	-	-	-	236	329	V
3	13.131	38.67	PK-U	39.8	-24.7	0	53.77	-	-	-	-	68.2	-14.43	338	308	H
	13.133	26.12	ADR	39.8	-24.7	.1	41.32	-	-	-	-	-	-	338	308	H
6	13.944	26.85	ADR	39.3	-23.7	.1	42.55	-	-	-	-	-	-	305	100	V
	13.946	38.48	PK-U	39.3	-23.7	0	54.08	-	-	-	-	68.2	-14.12	305	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
UNII_5.3_HARM_11n HT40_5310_2TX_Q80.DAT 30915 23 Aug 2016
Rev 9.5 01 Dec 2016

9.1.16. 11ac HT80 UAT 2 SISO MODE IN THE 5.3GHz BAND

AUTHORIZED BANDEDGE (HIGH CHANNEL)

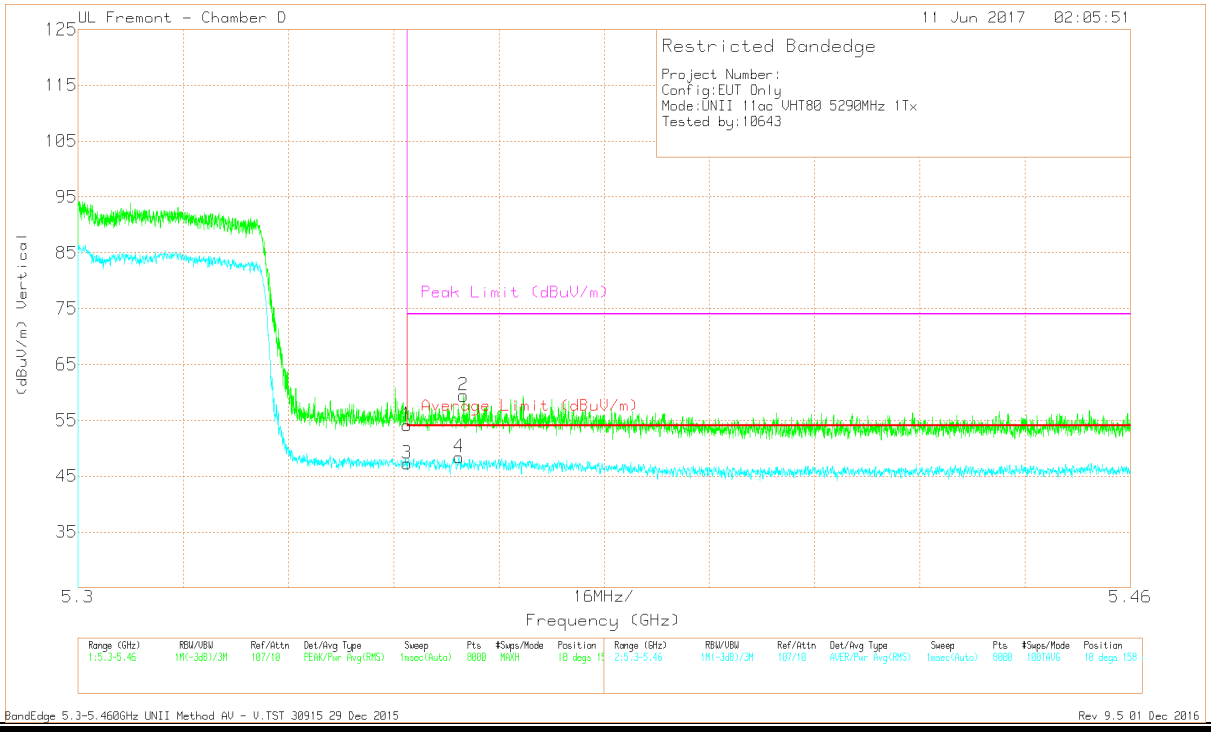
LOW CHANNEL HORIZONTAL



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	* 5.35	42.8	Pk	34.6	-18.4	0	59	-	-	74	-15	360	217	H
3	* 5.35	33.65	RMS	34.6	-18.4	.2	50.05	54	-3.95	-	-	360	217	H
4	* 5.36	34.95	RMS	34.6	-18.4	.2	51.35	54	-2.65	-	-	360	217	H
2	* 5.38	45.68	Pk	34.6	-18.3	0	61.98	-	-	74	-12.02	360	217	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection
BandEdge 5.3-5.460GHz UNII Method Av - H.TST 30915 29 Dec 2015
Rev 9.5 01 Dec 2016

LOW CHANNEL VERTICAL



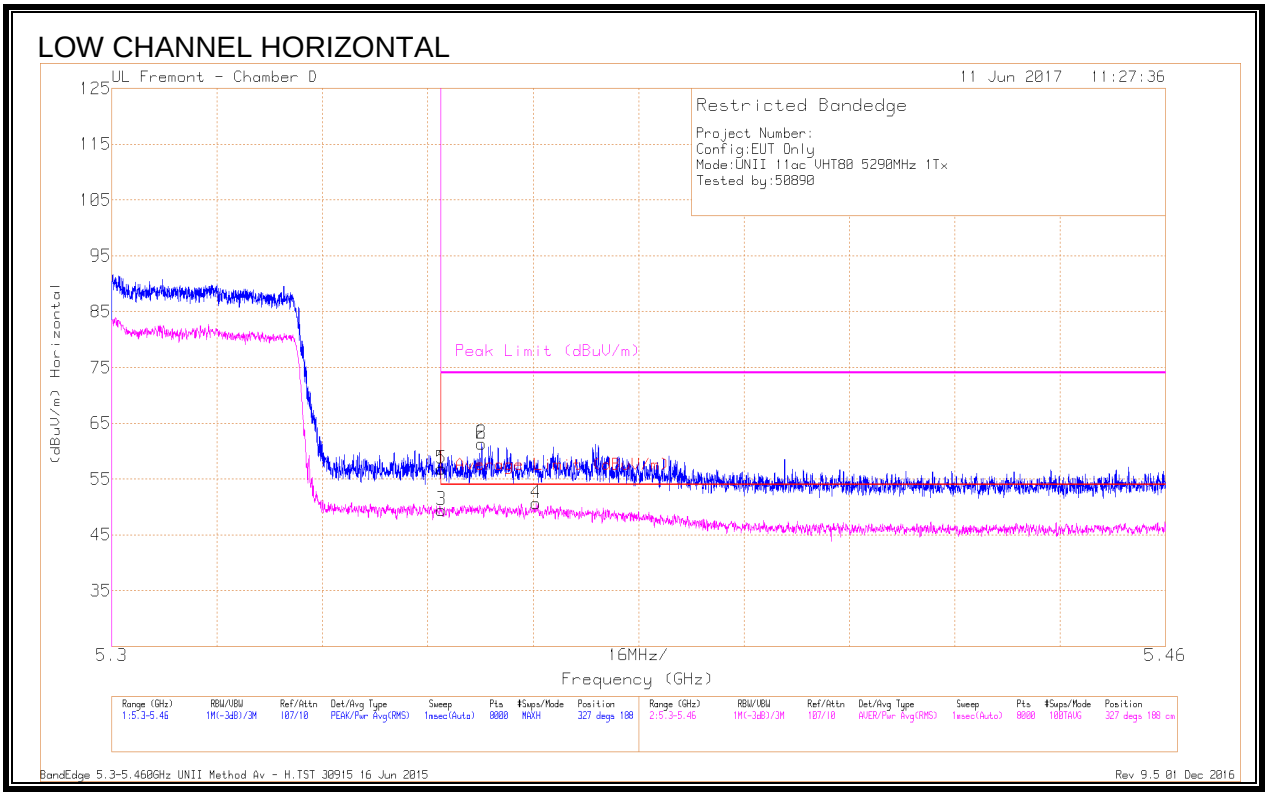
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/ Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	37.95	Pk	34.6	-18.4	0	54.15	-	-	74	-19.85	10	158	V
2	* 5.359	43.25	Pk	34.6	-18.4	0	59.45	-	-	74	-14.55	10	158	V
3	* 5.35	31.06	RMS	34.6	-18.4	.2	47.46	54	-6.54	-	-	10	158	V
4	* 5.358	32.2	RMS	34.6	-18.4	.2	48.6	54	-5.4	-	-	10	158	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection
BandEdge 5.3-5.460GHz UNII Method AV - V.TST 30915 29 Dec 2015
Rev 9.5 01 Dec 2016

9.1.17. 11ac HT80 LAT 3 SISO MODE IN THE 5.3GHz BAND

AUTHORIZED BANDEDGE (HIGH CHANNEL)

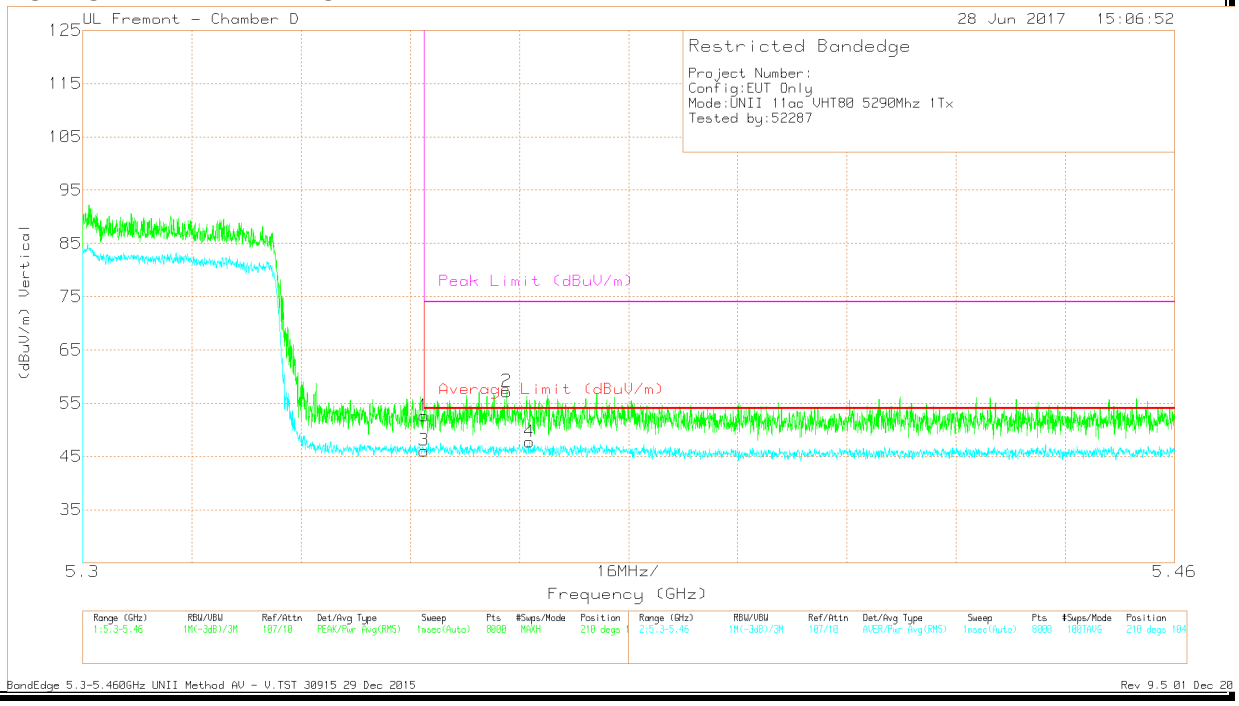
LOW CHANNEL HORIZONTAL



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	* 5.35	40.71	Pk	34.6	-18.4	0	56.91	-	-	74	-17.09	327	188	H
2	* 5.356	45.2	Pk	34.6	-18.4	0	61.4	-	-	74	-12.6	327	188	H
3	* 5.35	33.28	RMS	34.6	-18.4	.2	49.68	54	-4.32	-	-	327	188	H
4	* 5.364	34.47	RMS	34.6	-18.4	.2	50.87	54	-3.13	-	-	327	188	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection
BandEdge 5.3-5.460GHz UNII Method Av - H.TST 30915 16 Jun 2015
Rev 9.5 01 Dec 2016

LOW CHANNEL VERTICAL

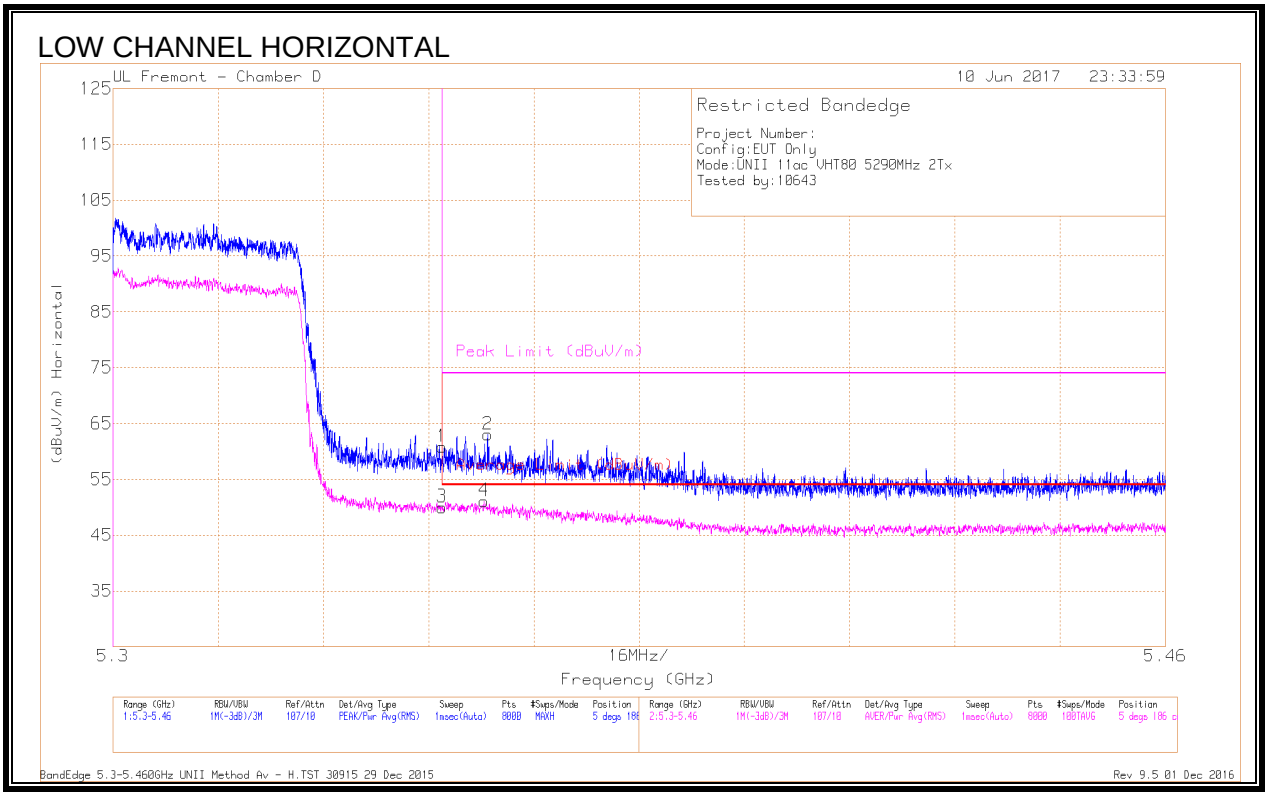


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	36.75	Pk	34.3	-18.4	0	52.65	-	-	74	-21.35	210	104	V
3	* 5.35	30.01	RMS	34.3	-18.4	.2	46.11	54	-7.89	-	-	210	104	V
2	* 5.362	41.32	Pk	34.3	-18.4	0	57.22	-	-	74	-16.78	210	104	V
4	* 5.365	31.63	RMS	34.3	-18.4	.2	47.73	54	-6.27	-	-	210	104	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection
BandEdge 5.3-5.460GHz UNII Method AV - V.TST 30915 29 Dec 2015
Rev 9.5 01 Dec 2016

9.1.18. 11ac HT80 2TX CDD MIMO MODE IN THE 5.3GHz BAND

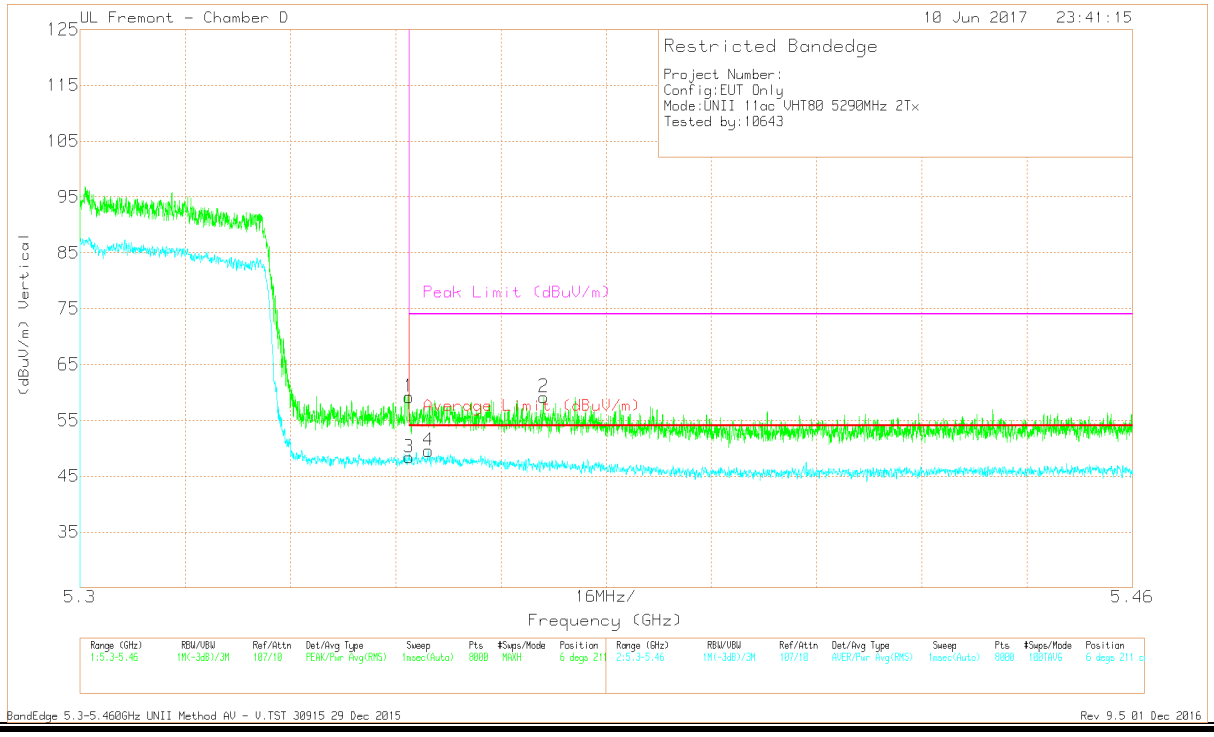
AUTHORIZED BANDEDGE (HIGH CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Dorr (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	44.64	Pk	34.6	-18.4	0	60.84	-	-	74	-13.16	5	186	H
3	* 5.35	33.81	RMS	34.6	-18.4	.2	50.21	54	-3.79	-	-	5	186	H
4	* 5.356	34.91	RMS	34.6	-18.4	.2	51.31	54	-2.69	-	-	5	186	H
2	* 5.357	46.84	Pk	34.6	-18.4	0	63.04	-	-	74	-10.96	5	186	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection
BandEdge 5.3-5.460GHz UNII Method Av - H.TST 30915 29 Dec 2015
Rev 9.5 01 Dec 2016

LOW CHANNEL VERTICAL

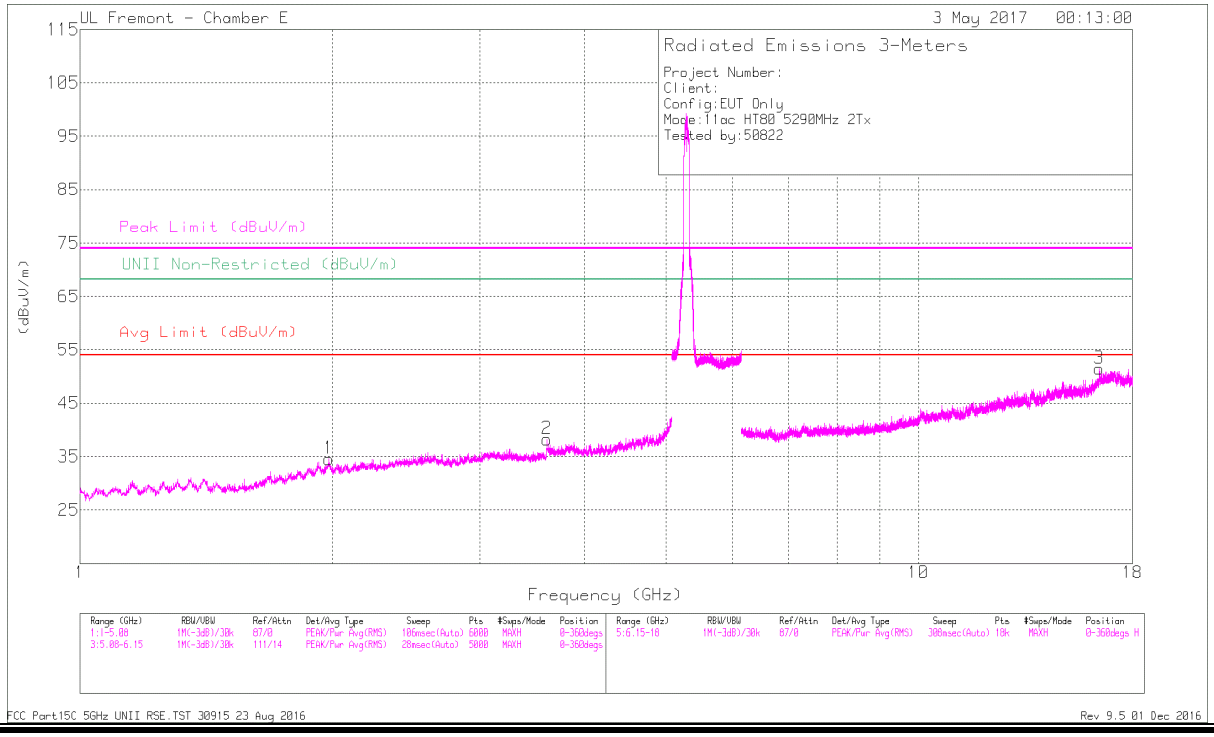


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	42.99	Pk	34.6	-18.4	0	59.19	-	-	74	-14.81	6	211	V
3	* 5.35	32.14	RMS	34.6	-18.4	.2	48.54	54	-5.46	-	-	6	211	V
4	* 5.353	33.35	RMS	34.6	-18.4	.2	49.75	54	-4.25	-	-	6	211	V
2	* 5.371	42.85	Pk	34.6	-18.3	0	59.15	-	-	74	-14.85	6	211	V

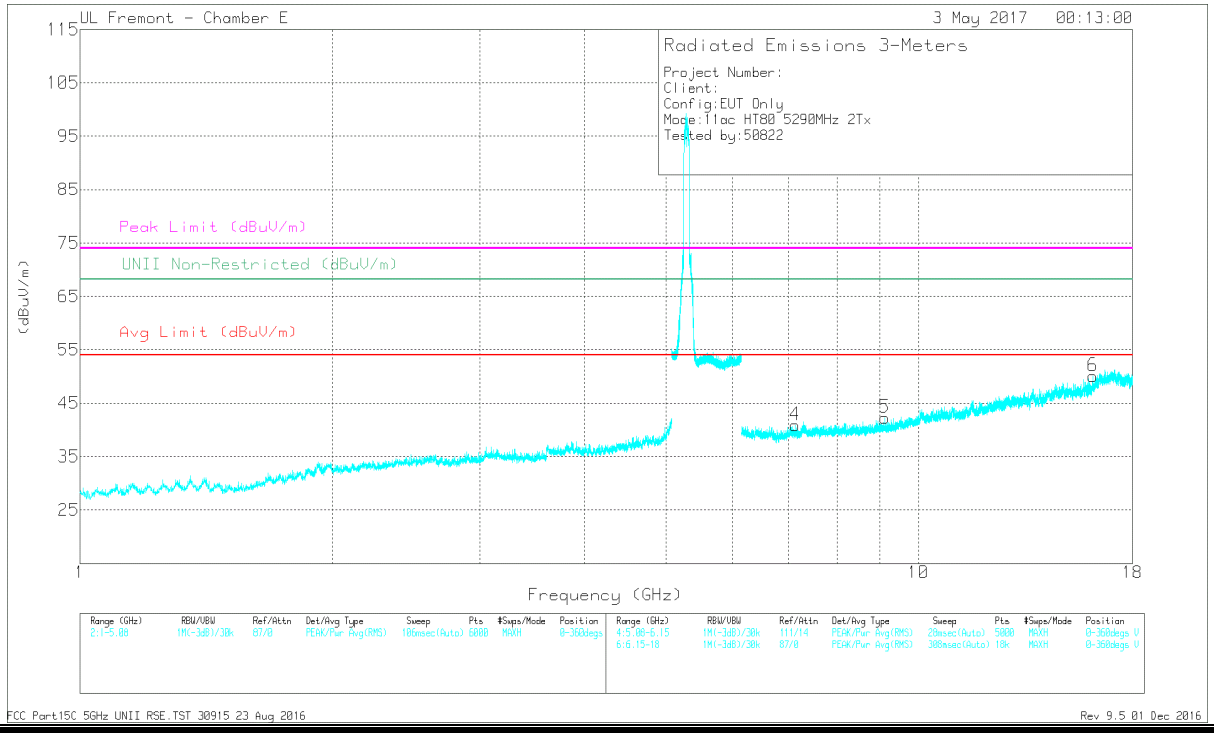
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection
BandEdge 5.3-5.460GHz UNII Method AV - V.TST 30915 29 Dec 2015
Rev 9.5 01 Dec 2016

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



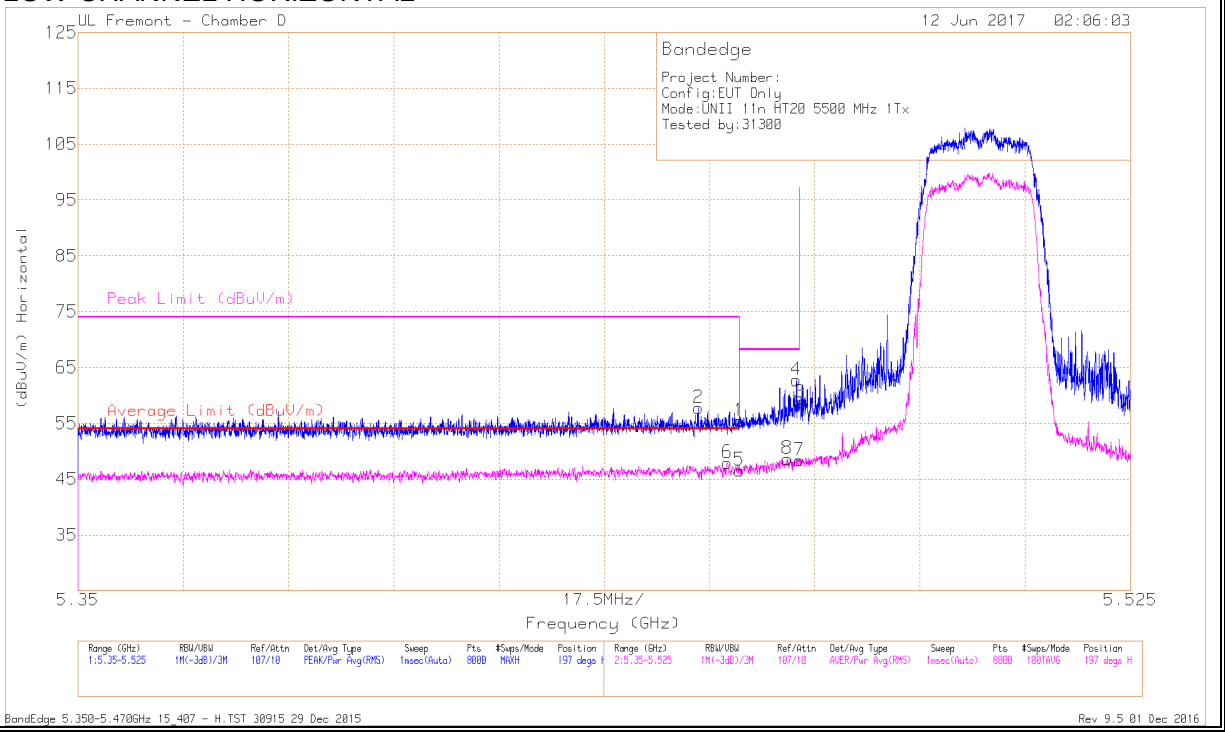
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 3.605	41.19	PK-U	32.9	-30.5	0	43.59	-	-	74	-30.41	-	-	21	168	H
	* 3.605	29.71	ADR	32.9	-30.5	.2	32.31	54	-21.69	-	-	-	-	21	168	H
5	* 9.121	38.47	PK-U	36.3	-25.8	0	48.97	-	-	74	-25.03	-	-	288	266	V
	* 9.125	26.15	ADR	36.3	-25.9	.2	36.75	54	-17.25	-	-	-	-	288	266	V
6	* 16.144	36.57	PK-U	41.4	-22.6	0	55.37	-	-	74	-18.63	-	-	0	208	V
	* 16.141	25.24	ADR	41.4	-22.6	.2	44.24	54	-9.76	-	-	-	-	0	208	V
1	1.979	43.1	PK-U	31.4	-33	0	41.5	-	-	-	-	68.2	-26.7	276	308	H
4	7.135	39.7	PK-U	35.8	-27.9	0	47.6	-	-	-	-	68.2	-20.6	360	180	V
3	16.435	36.74	PK-U	41.8	-21.6	0	56.94	-	-	-	-	68.2	-11.26	249	177	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 23 Aug 2016
Rev 9.5 01 Dec 2016

9.1.19. 11n HT20 UAT 2 SISO MODE IN THE 5.6GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

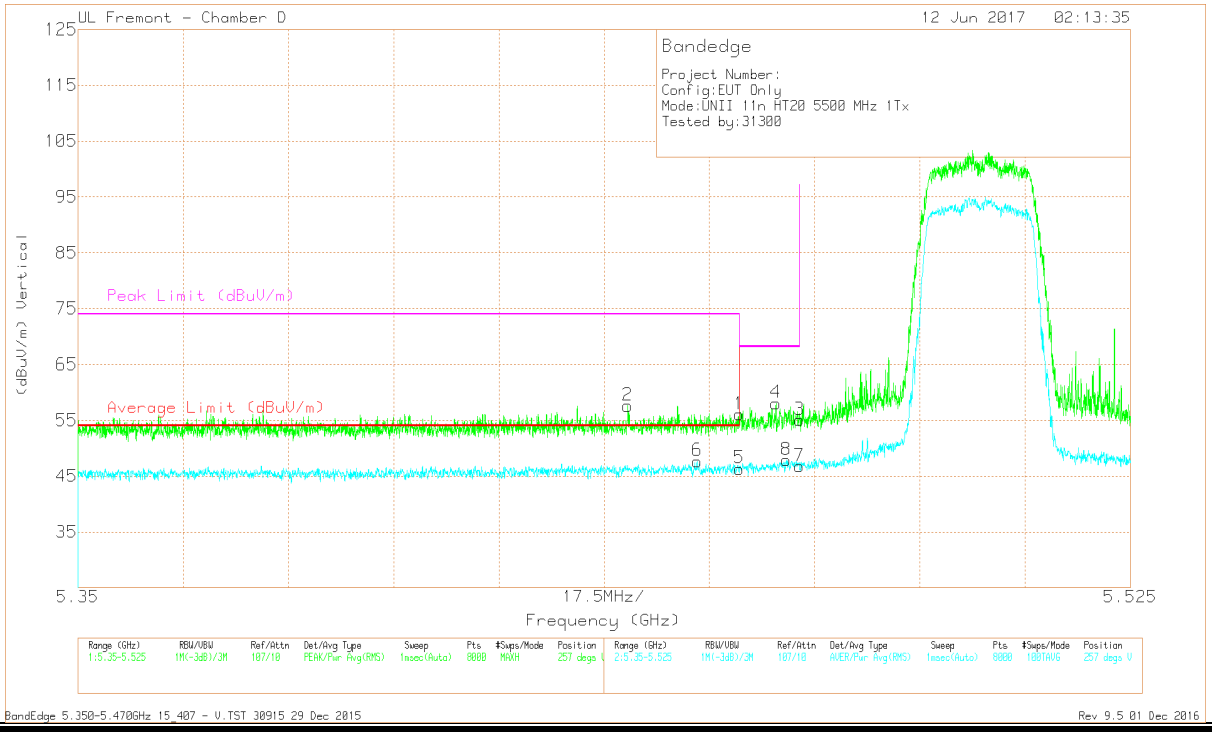
LOW CHANNEL HORIZONTAL



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
2	* 5.453	41.05	Pk	34.7	-18	57.75	-	-	74	-16.25	197	120	H
6	* 5.458	31.2	RMS	34.7	-18	47.9	54	-6.1	-	-	197	120	H
1	* 5.46	38.66	Pk	34.7	-17.9	55.46	-	-	74	-18.54	197	120	H
5	* 5.46	29.77	RMS	34.7	-17.9	46.57	54	-7.43	-	-	197	120	H
8	5.468	31.85	RMS	34.7	-17.9	48.65	-	-	-	-	197	120	H
4	5.469	45.95	Pk	34.7	-17.9	62.75	-	-	68.2	-5.45	197	120	H
3	5.47	41.93	Pk	34.7	-17.9	58.73	-	-	68.2	-9.47	197	120	H
7	5.47	31.56	RMS	34.7	-17.9	48.36	-	-	-	-	197	120	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection
BandEdge 5.350-5.470GHz 15_407 - H.TST 30915 29 Dec 2015
Rev 9.5 01 Dec 2016

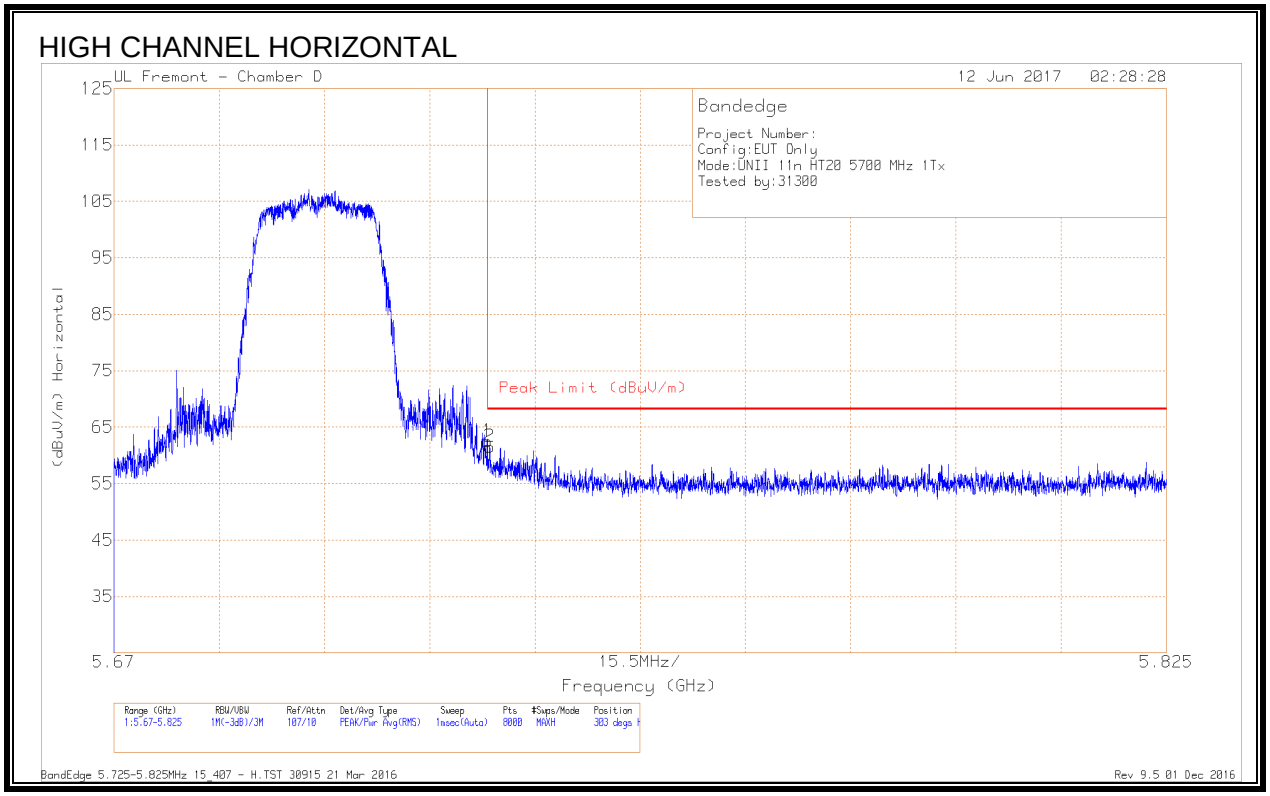
LOW CHANNEL VERTICAL



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	* 5.441	41.01	Pk	34.7	-18.1	57.61	-	-	74	-16.39	257	102	V
6	* 5.453	31	RMS	34.7	-18	47.7	54	-6.3	-	-	257	102	V
1	* 5.46	39.24	Pk	34.7	-17.9	56.04	-	-	74	-17.96	257	102	V
5	* 5.46	29.56	RMS	34.7	-17.9	46.36	54	-7.64	-	-	257	102	V
4	5.466	41.28	Pk	34.7	-17.9	58.08	-	-	68.2	-10.12	257	102	V
8	5.468	31.05	RMS	34.7	-17.9	47.85	-	-	-	-	257	102	V
3	5.47	38.26	Pk	34.7	-17.9	55.06	-	-	68.2	-13.14	257	102	V
7	5.47	29.95	RMS	34.7	-17.9	46.75	-	-	-	-	257	102	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection
BandEdge 5.350-5.470GHz 15_407 - V.TST 30915 29 Dec 2015
Rev 9.5 01 Dec 2016

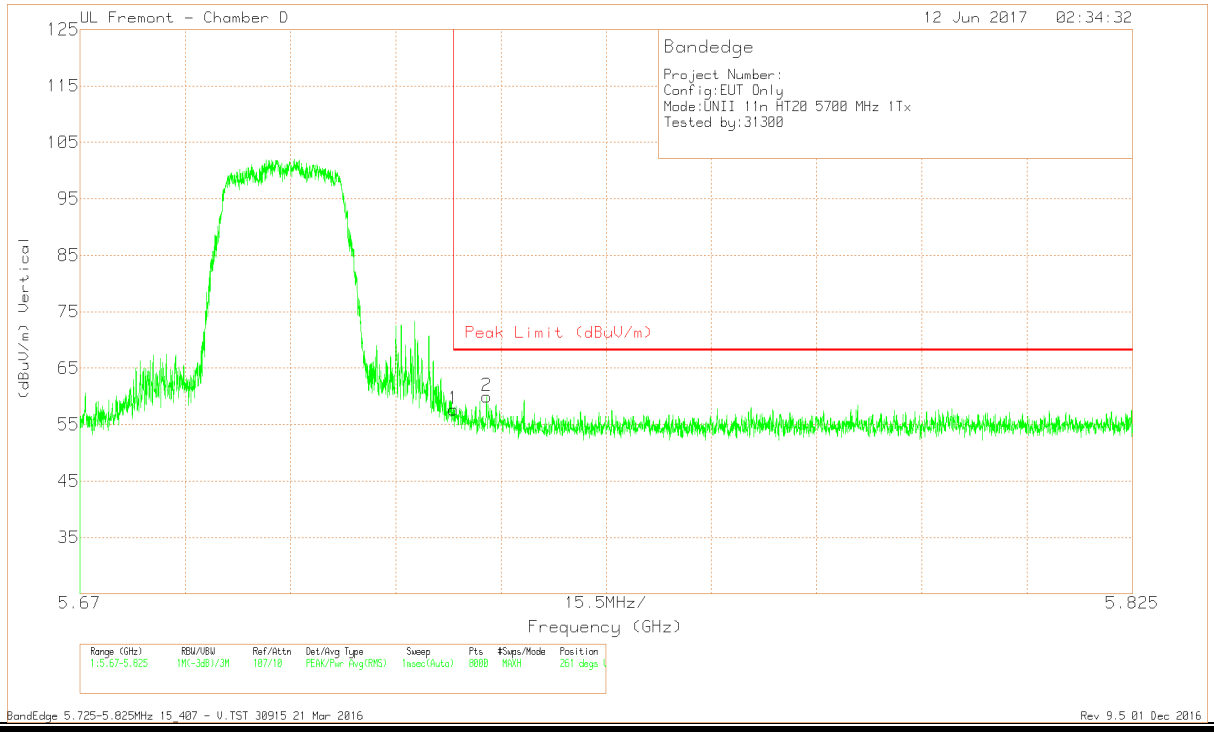
AUTHORIZED BANDEDGE (HIGH CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl /Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	45.39	Pk	34.6	-17.5	62.49	68.2	-5.71	303	104	H
2	5.725	44.43	Pk	34.6	-17.5	61.53	68.2	-6.67	303	104	H

Pk - Peak detector
BandEdge 5.725-5.825MHz 15_407 - H.TST 30915 21 Mar 2016
Rev 9.5 01 Dec 2016

HIGH CHANNEL VERTICAL

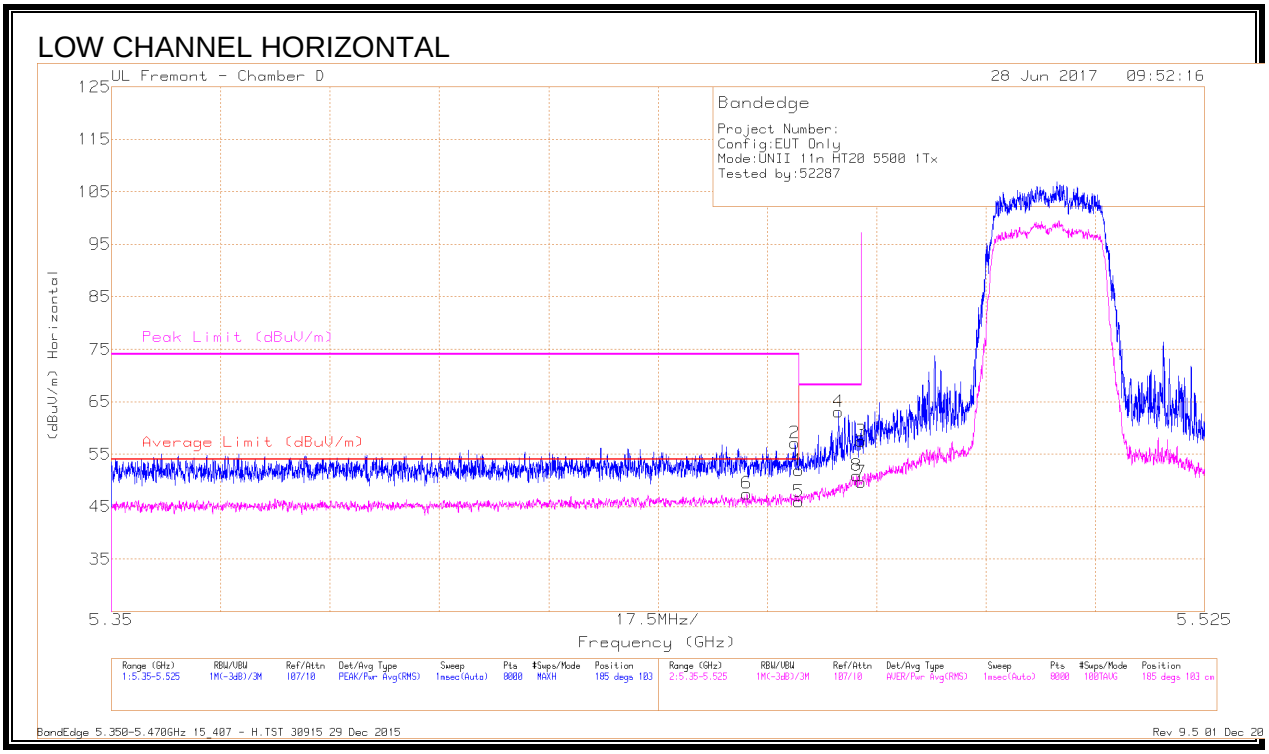


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl /Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	40.62	Pk	34.6	-17.5	57.72	68.2	-10.48	261	106	V
2	5.73	42.91	Pk	34.6	-17.5	60.01	68.2	-8.19	261	106	V

Pk - Peak detector
BandEdge 5.725-5.825MHz 15_407 - V.TST 30915 21 Mar 2016
Rev 9.5 01 Dec 2016

9.1.20. 11n HT20 LAT 3 SISO MODE IN THE 5.6GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (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
6	* 5.452	31.1	RMS	34.4	-18	47.5	54	-6.5	-	-	185	103	H
2	* 5.459	40.75	Pk	34.4	-18	57.15	-	-	74	-16.85	185	103	H
1	* 5.46	35.35	Pk	34.4	-17.9	51.85	-	-	74	-22.15	185	103	H
5	* 5.46	29.47	RMS	34.4	-17.9	45.97	54	-8.03	-	-	185	103	H
4	5.466	46.57	Pk	34.4	-17.9	63.07	-	-	68.2	-5.13	185	103	H
8	5.469	34.4	RMS	34.4	-17.9	50.9	-	-	-	-	185	103	H
3	5.47	40.96	Pk	34.4	-17.9	57.46	-	-	68.2	-10.74	185	103	H
7	5.47	33.14	RMS	34.4	-17.9	49.64	-	-	-	-	185	103	H

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

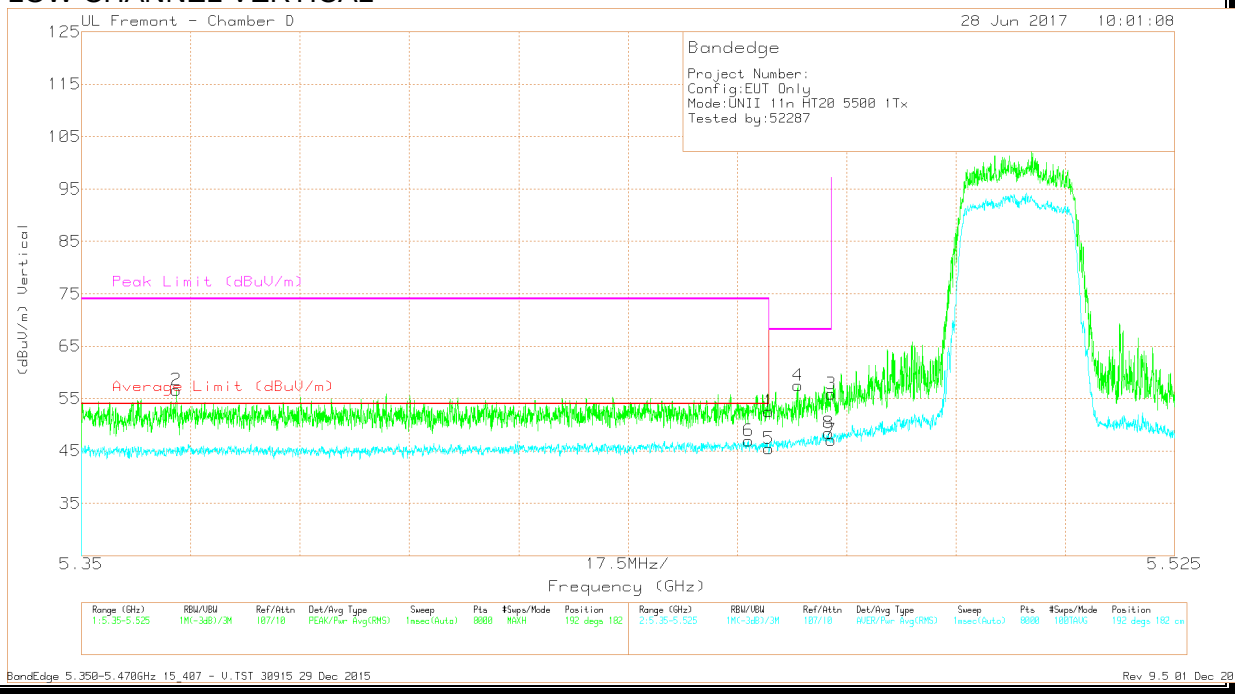
Pk - Peak detector

RMS - RMS detection

BandEdge 5.350-5.470GHz 15_407 - H.TST 30915 29 Dec 2015

Rev 9.5 01 Dec 2016

LOW CHANNEL VERTICAL

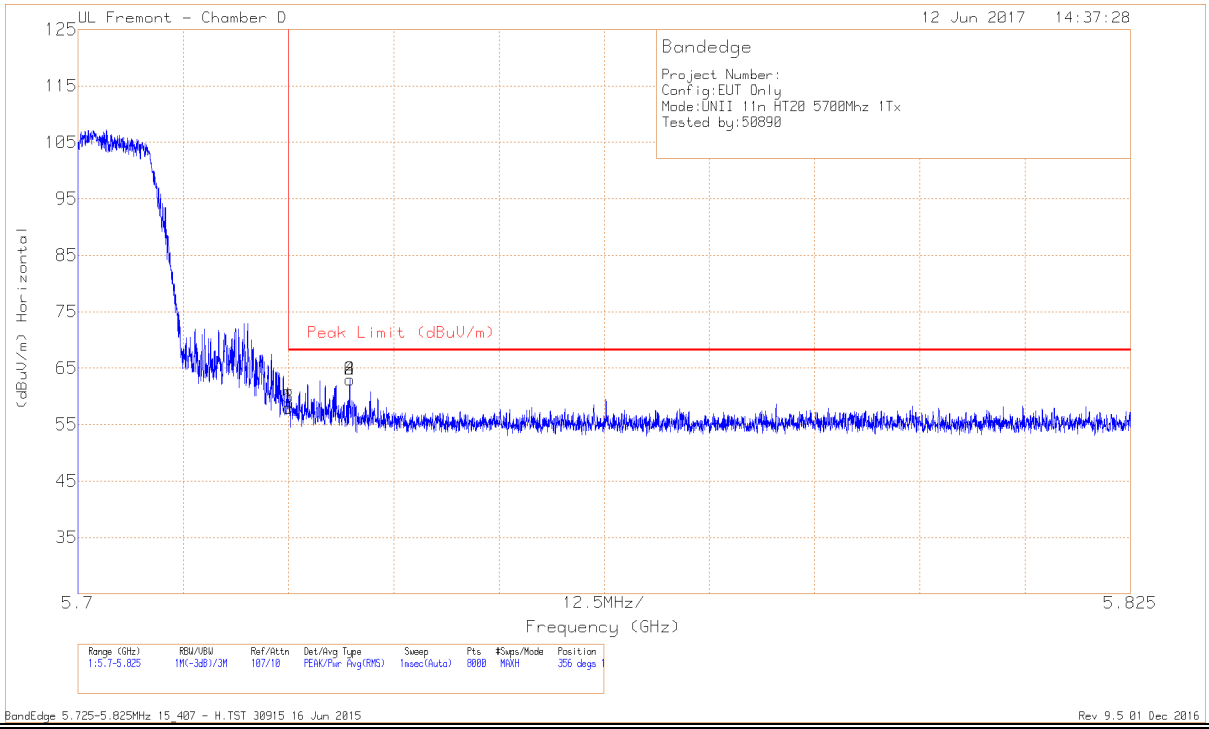


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cbl /Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.365	40.7	Pk	34.3	-18.4	56.6	-	-	74	-17.4	192	182	V
6	* 5.457	30.53	RMS	34.4	-18	46.93	54	-7.07	-	-	192	182	V
1	* 5.46	35.99	Pk	34.4	-17.9	52.49	-	-	74	-21.51	192	182	V
5	* 5.46	28.92	RMS	34.4	-17.9	45.42	54	-8.58	-	-	192	182	V
4	5.465	41.04	Pk	34.4	-17.9	57.54	-	-	68.2	-10.66	192	182	V
3	5.47	39.38	Pk	34.4	-17.9	55.88	-	-	68.2	-12.32	192	182	V
7	5.47	30.53	RMS	34.4	-17.9	47.03	-	-	-	-	192	182	V
8	5.47	31.94	RMS	34.4	-17.9	48.44	-	-	-	-	192	182	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection
BandEdge 5.350-5.470GHz 15_407 - V.TST 30915 29 Dec 2015
Rev 9.5 01 Dec 2016

AUTHORIZED BANDEDGE (HIGH CHANNEL)

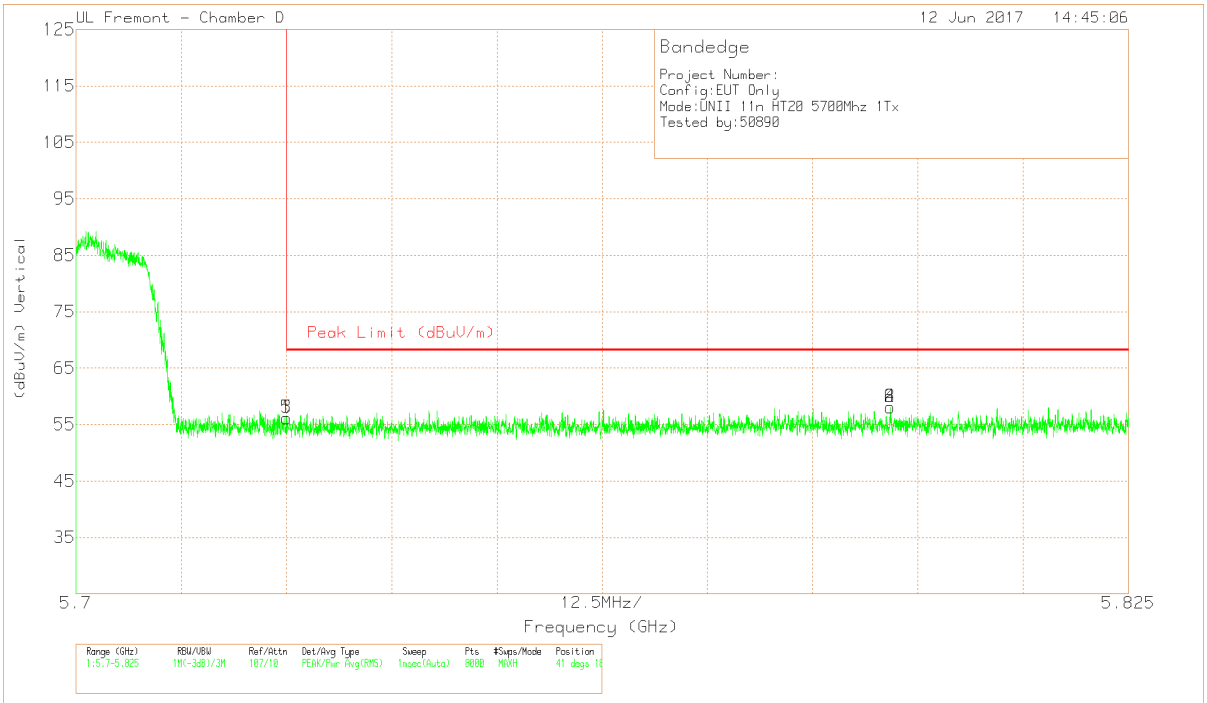
HIGH CHANNEL HORIZONTAL



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl /Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	40.87	Pk	34.6	-17.5	57.97	68.2	-10.23	356	101	H
2	5.732	45.87	Pk	34.6	-17.5	62.97	68.2	-5.23	356	101	H

Pk - Peak detector
BandEdge 5.725-5.825MHz 15_407 - H.TST 30915 16 Jun 2015
Rev 9.5 01 Dec 2016

HIGH CHANNEL VERTICAL



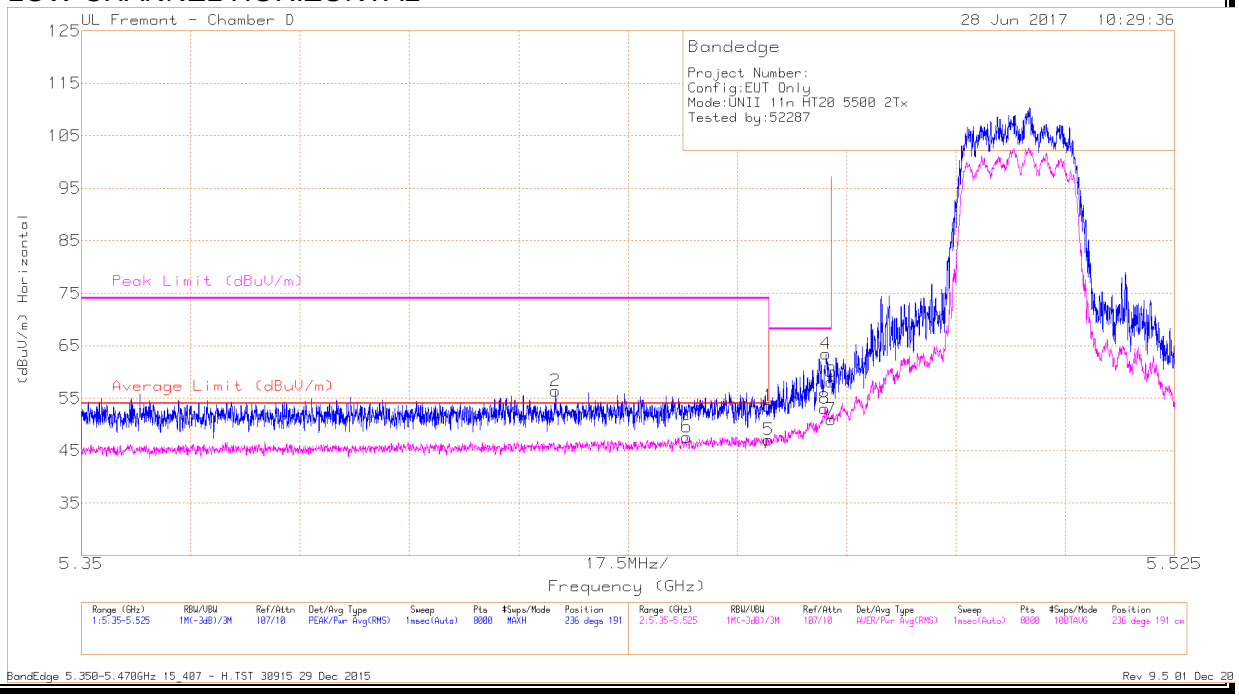
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl /Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	39.07	Pk	34.6	-17.5	56.17	68.2	-12.03	41	182	V
2	5.797	40.69	Pk	34.9	-17.5	58.09	68.2	-10.11	41	182	V

Pk - Peak detector
BandEdge 5.725-5.825MHz 15_407 - V.TST 30915 16 Jun 2015
Rev 9.5 01 Dec 2016

9.1.21. 11n HT20 2TX CDD MIMO MODE IN THE 5.6GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

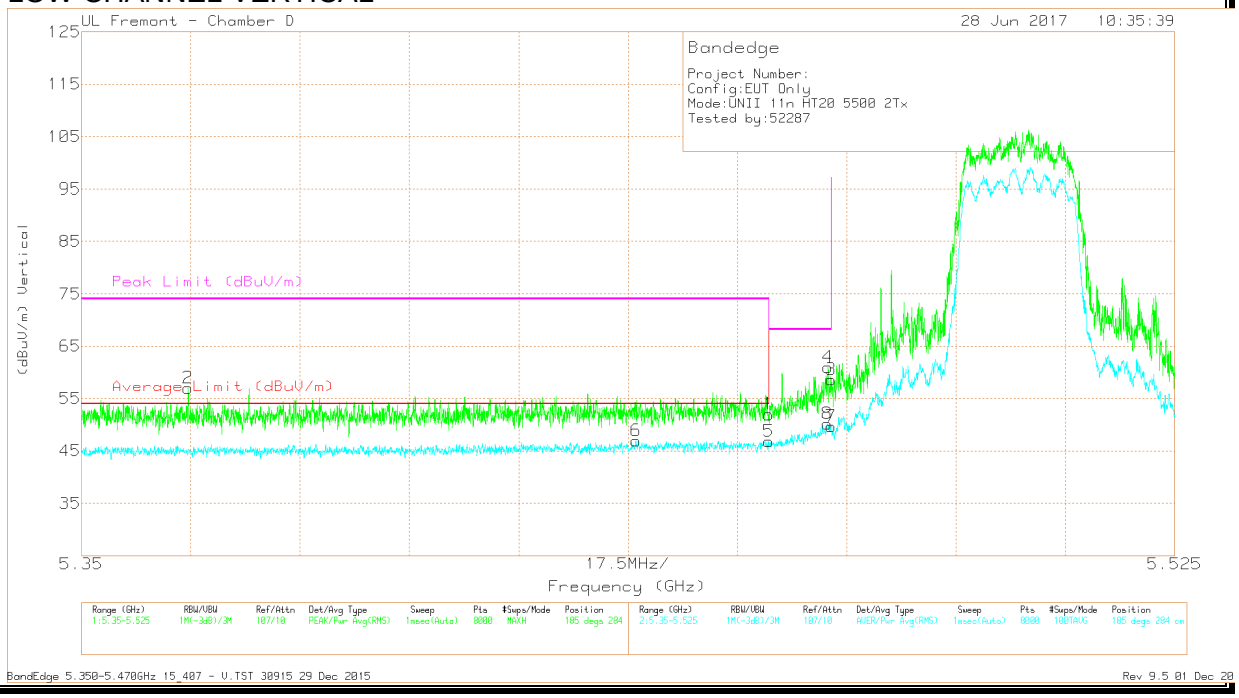
LOW CHANNEL HORIZONTAL



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (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	* 5.426	40.31	Pk	34.3	-18.2	56.41	-	-	74	-17.59	236	191	H
6	* 5.447	31.32	RMS	34.4	-18.1	47.62	54	-6.38	-	-	236	191	H
1	* 5.46	37.06	Pk	34.4	-17.9	53.56	-	-	74	-20.44	236	191	H
5	* 5.46	30.56	RMS	34.4	-17.9	47.06	54	-6.94	-	-	236	191	H
4	5.469	46.96	Pk	34.4	-17.9	63.46	-	-	68.2	-4.74	236	191	H
8	5.469	36.48	RMS	34.4	-17.9	52.98	-	-	-	-	236	191	H
3	5.47	41.65	Pk	34.4	-17.9	58.15	-	-	68.2	-10.05	236	191	H
7	5.47	34.46	RMS	34.4	-17.9	50.96	-	-	-	-	236	191	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection
BandEdge 5.350-5.470GHz 15_407 - H.TST 30915 29 Dec 2015
Rev 9.5 01 Dec 2016

LOW CHANNEL VERTICAL

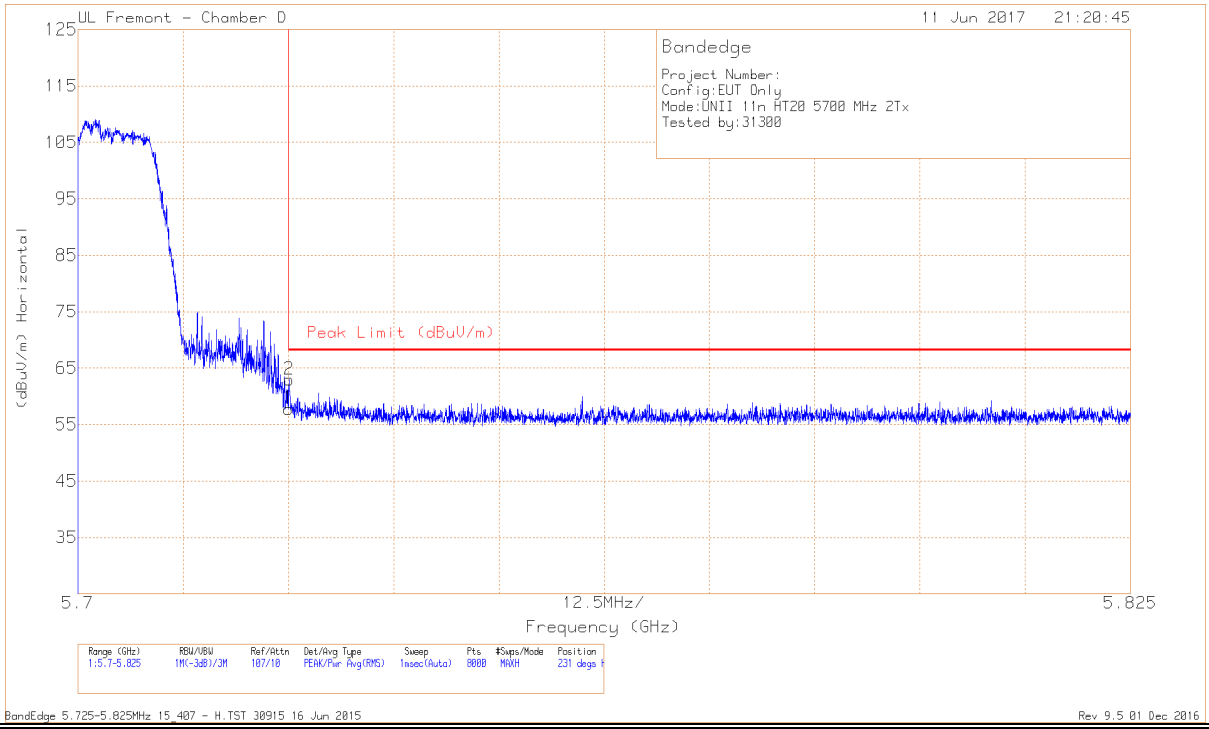


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cbl /Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.367	41.08	Pk	34.3	-18.4	56.98	-	-	74	-17.02	185	284	V
6	* 5.439	30.61	RMS	34.4	-18.1	46.91	54	-7.09	-	-	185	284	V
1	* 5.46	35.47	Pk	34.4	-17.9	51.97	-	-	74	-22.03	185	284	V
5	* 5.46	30.28	RMS	34.4	-17.9	46.78	54	-7.22	-	-	185	284	V
4	5.469	44.44	Pk	34.4	-17.9	60.94	-	-	68.2	-7.26	185	284	V
8	5.469	33.66	RMS	34.4	-17.9	50.16	-	-	-	-	185	284	V
3	5.47	42.08	Pk	34.4	-17.9	58.58	-	-	68.2	-9.62	185	284	V
7	5.47	33.2	RMS	34.4	-17.9	49.7	-	-	-	-	185	284	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection
BandEdge 5.350-5.470GHz 15_407 - V.TST 30915 29 Dec 2015
Rev 9.5 01 Dec 2016

AUTHORIZED BANDEDGE (HIGH CHANNEL)

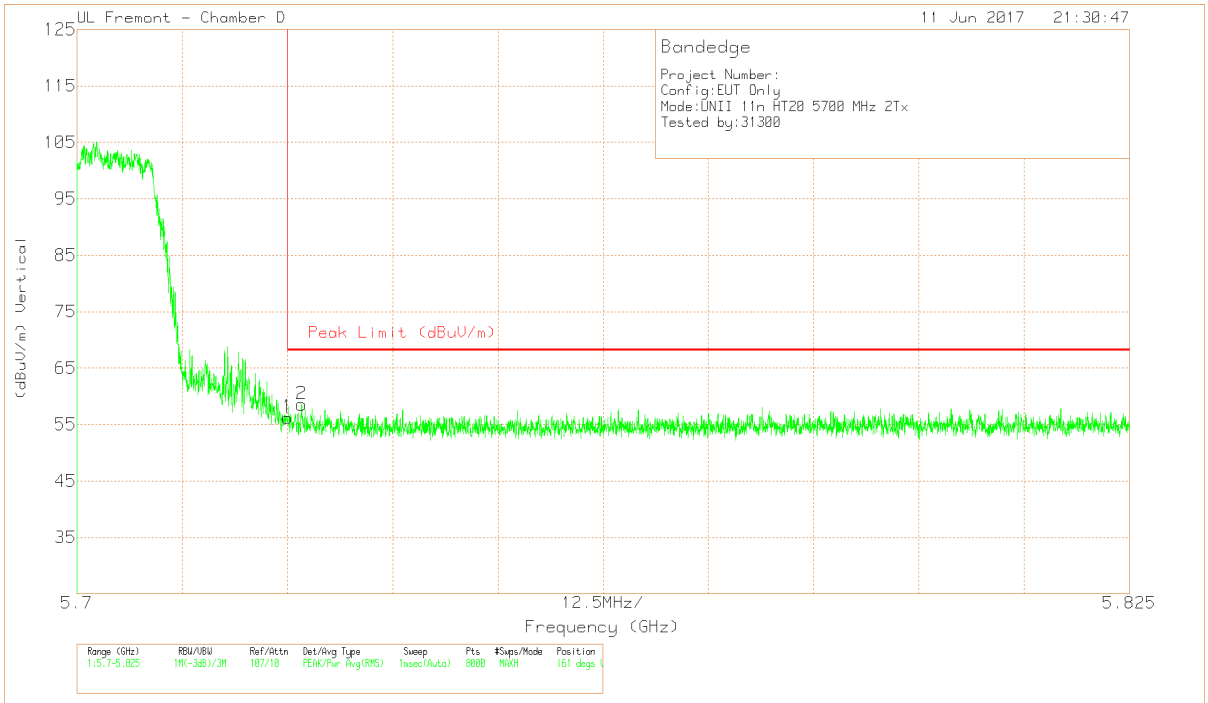
HIGH CHANNEL HORIZONTAL



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl /Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	40.73	Pk	34.6	-17.5	57.83	68.2	-10.37	231	222	H
2	5.725	45.89	Pk	34.6	-17.5	62.99	68.2	-5.21	231	222	H

Pk - Peak detector
BandEdge 5.725-5.825MHz 15_407 - H.TST 30915 16 Jun 2015
Rev 9.5 01 Dec 2016

HIGH CHANNEL VERTICAL



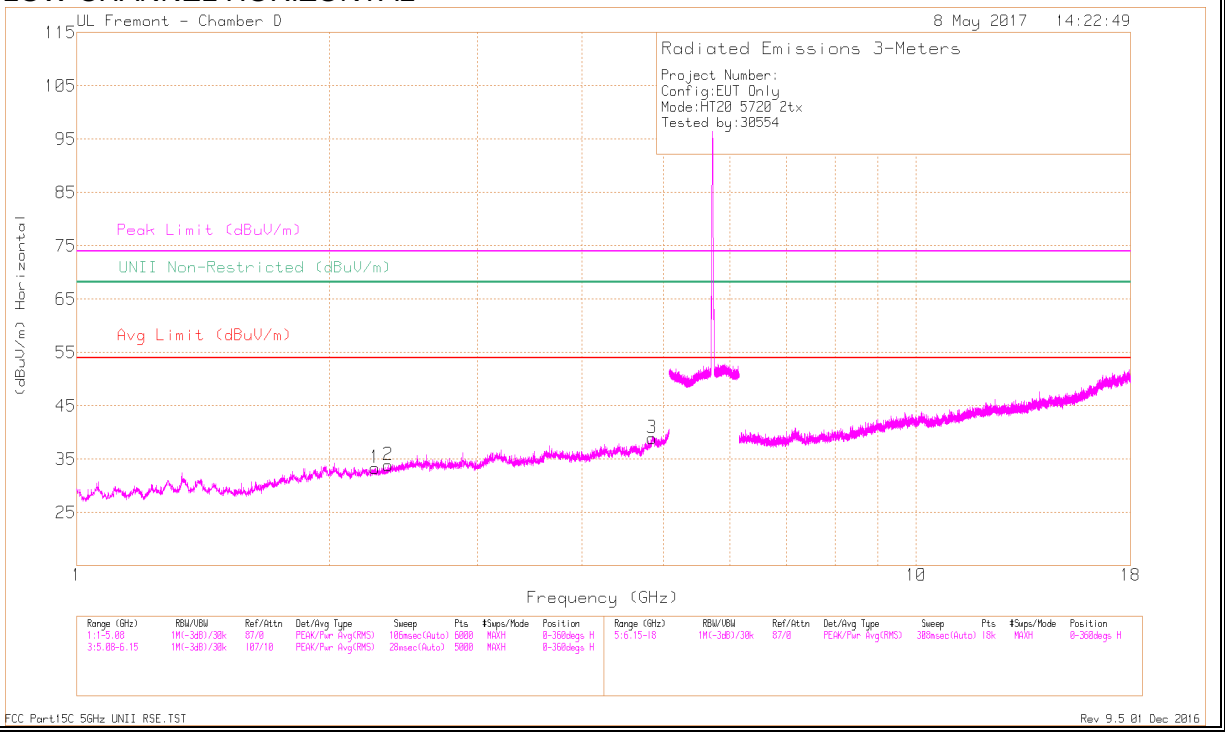
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl /Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	39.15	Pk	34.6	-17.5	56.25	68.2	-11.95	161	344	V
2	5.727	41.48	Pk	34.6	-17.5	58.58	68.2	-9.62	161	344	V

Pk - Peak detector
BandEdge 5.725-5.825MHz 15_407 - V.TST 30915 16 Jun 2015
Rev 9.5 01 Dec 2016

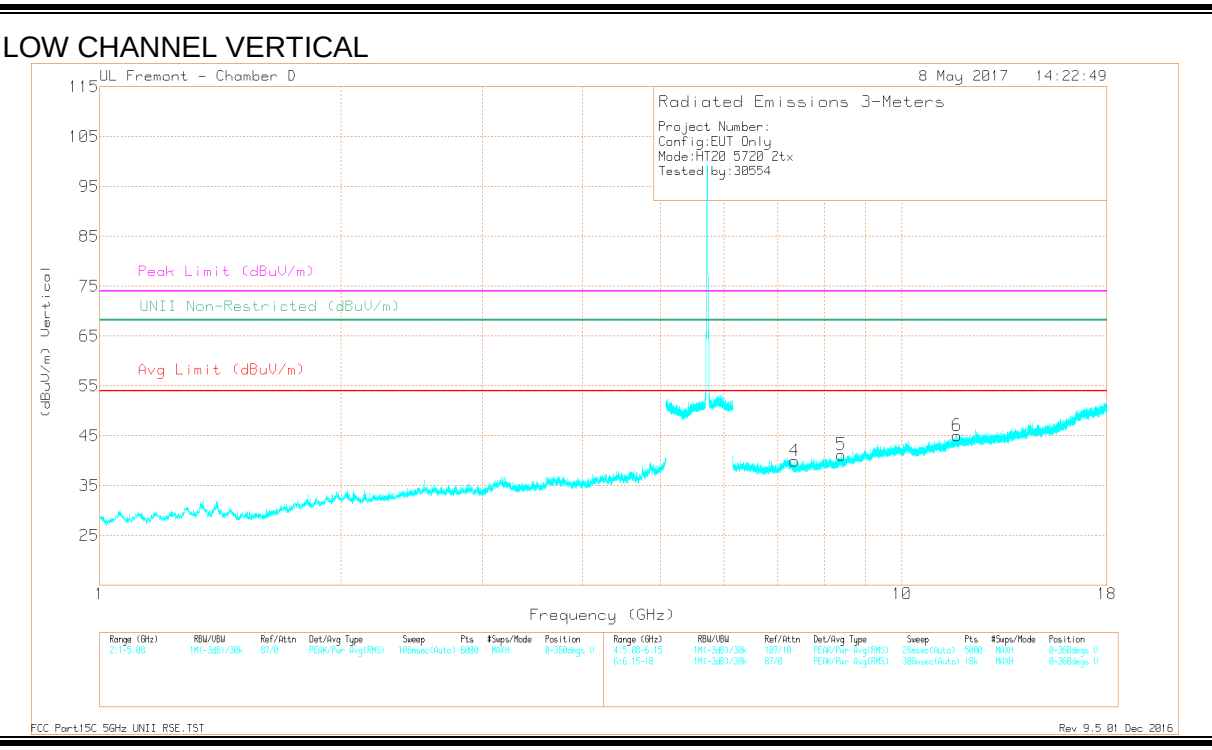
9.1.22. 11n HT20 2TX CDD MIMO STRADDLE CHANNEL 144

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



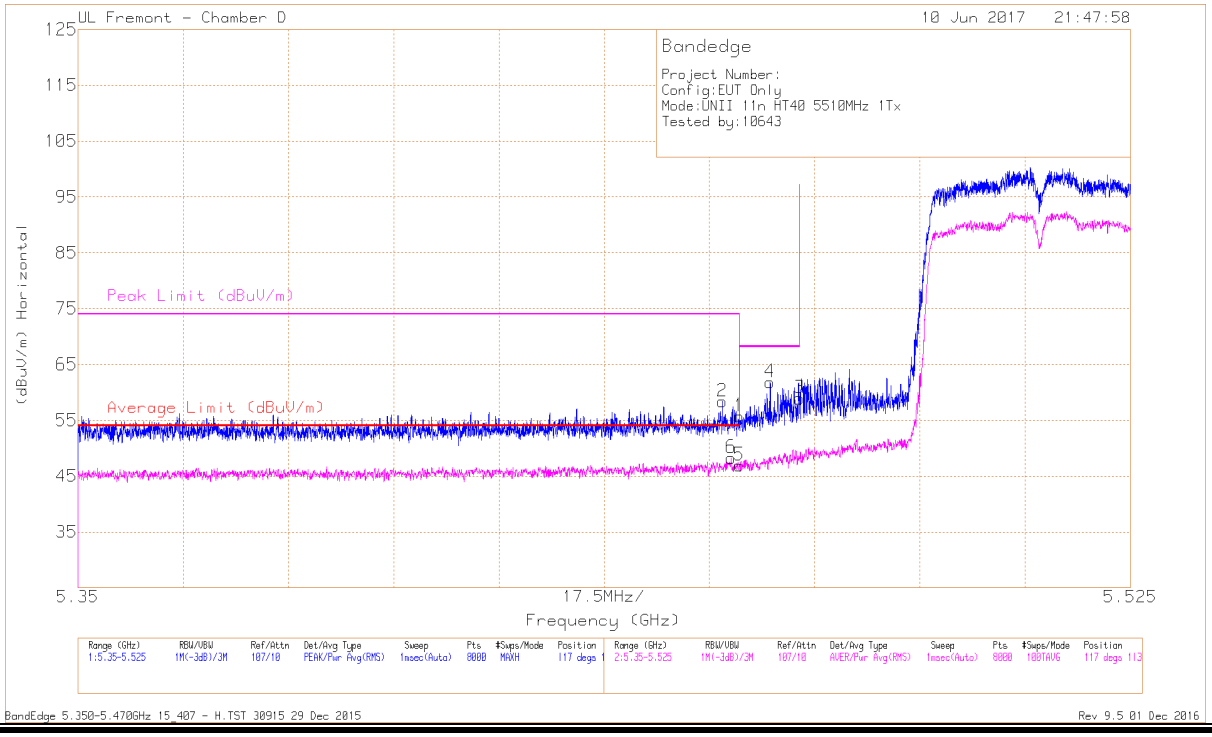
Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.265	40	PK-U	31.4	-30.8	40.6	-	-	74	-33.4	145	170	H
	* 2.265	28.04	ADR	31.4	-30.8	28.64	54	-25.36	-	-	145	170	H
2	* 2.35	40.02	PK-U	31.7	-30.4	41.32	-	-	74	-32.68	175	153	H
	* 2.351	28.09	ADR	31.7	-30.4	29.39	54	-24.61	-	-	175	153	H
3	* 4.849	37.32	PK-U	34.1	-25.9	45.52	-	-	74	-28.48	195	184	H
	* 4.849	25.99	ADR	34.1	-25.9	34.19	54	-19.81	-	-	195	184	H
4	* 7.348	36.6	PK-U	35.7	-25.8	46.5	-	-	74	-27.5	225	158	V
	* 7.348	25.53	ADR	35.7	-25.8	35.43	54	-18.57	-	-	225	158	V
5	* 8.401	36.14	PK-U	36	-23.6	48.54	-	-	74	-25.46	214	145	V
	* 8.399	24.41	ADR	36	-23.6	36.81	54	-17.19	-	-	214	145	V
6	* 11.698	34.38	PK-U	38.6	-20.7	52.28	-	-	74	-21.72	240	134	V
	* 11.701	22.97	ADR	38.6	-20.8	40.77	54	-13.23	-	-	240	134	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
FCC Part15C 5GHz UNII RSE.TST
Rev 9.5 01 Dec 2016

9.1.23. 11n HT40 UAT 2 SISO MODE IN THE 5.6GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

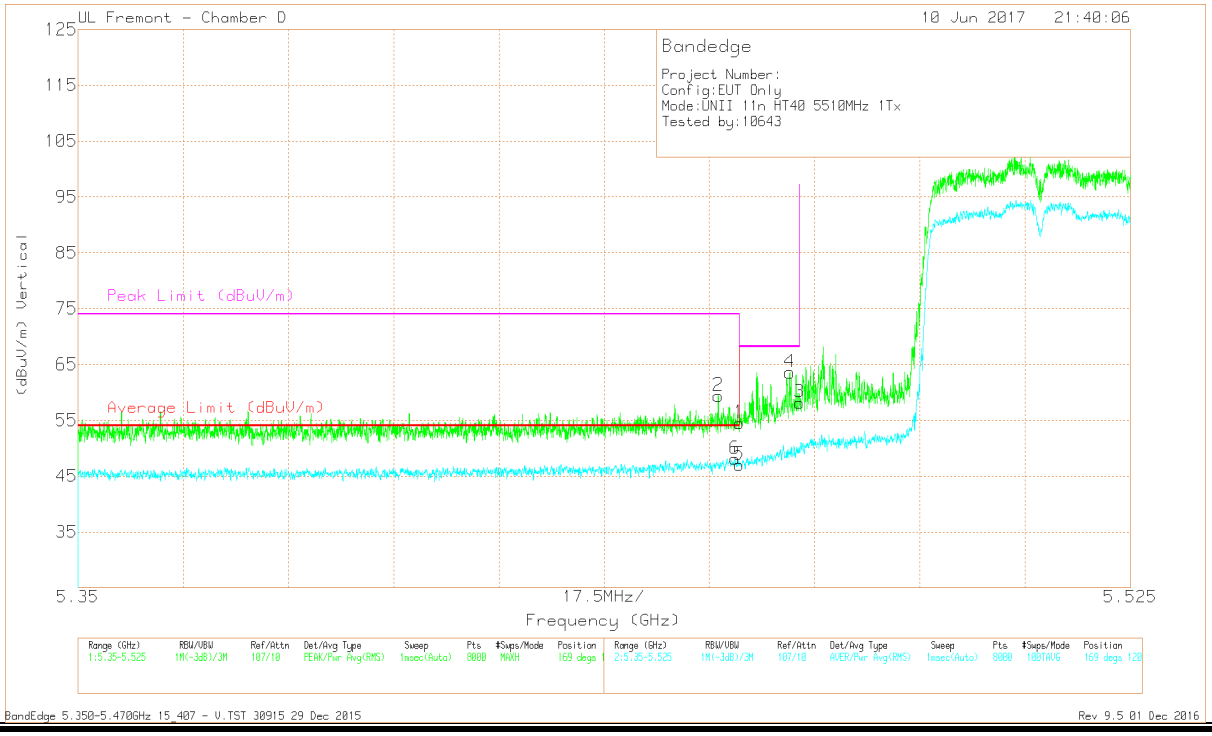
LOW CHANNEL HORIZONTAL



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
2	* 5.457	41.66	Pk	34.7	-18	0	58.36	-	-	74	-15.64	117	113	H
6	* 5.459	31.59	RMS	34.7	-18	.1	48.39	54	-5.61	-	-	117	113	H
1	* 5.46	38.92	Pk	34.7	-17.9	0	55.72	-	-	74	-18.28	117	113	H
5	* 5.46	30.12	RMS	34.7	-17.9	.1	47.02	54	-6.98	-	-	117	113	H
4	5.465	45.03	Pk	34.7	-17.9	0	61.83	-	-	68.2	-6.37	117	113	H
3	5.47	42.15	Pk	34.7	-17.9	0	58.95	-	-	68.2	-9.25	117	113	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection
BandEdge 5.350-5.470GHz 15_407 - H.TST 30915 29 Dec 2015
Rev 9.5 01 Dec 2016

LOW CHANNEL VERTICAL

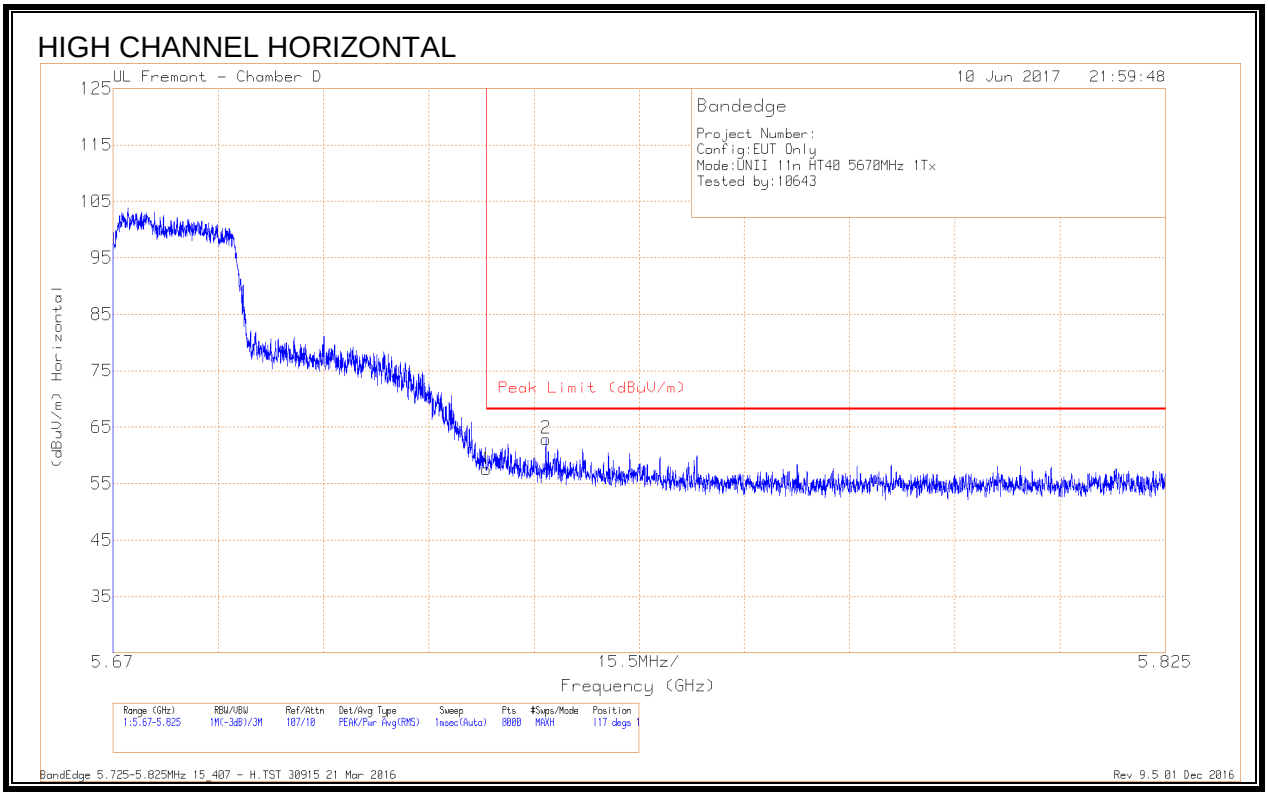


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.456	42.69	Pk	34.7	-18	0	59.39	-	-	74	-14.61	169	120	V
6	* 5.459	31.4	RMS	34.7	-18	.1	48.2	54	-5.8	-	-	169	120	V
1	* 5.46	37.72	Pk	34.7	-17.9	0	54.52	-	-	74	-19.48	169	120	V
5	* 5.46	30.28	RMS	34.7	-17.9	.1	47.18	54	-6.82	-	-	169	120	V
4	5.468	46.8	Pk	34.7	-17.9	0	63.6	-	-	68.2	-4.6	169	120	V
3	5.47	41.4	Pk	34.7	-17.9	0	58.2	-	-	68.2	-10	169	120	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection
BandEdge 5.350-5.470GHz 15_407 - V.TST 30915 29 Dec 2015
Rev 9.5 01 Dec 2016

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)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	40.44	Pk	34.6	-17.5	57.54	68.2	-10.66	117	111	H
2	5.734	45.82	Pk	34.6	-17.5	62.92	68.2	-5.28	117	111	H

Pk - Peak detector
BandEdge 5.725-5.825MHz 15_407 - H.TST 30915 21 Mar 2016
Rev 9.5 01 Dec 2016

HIGH CHANNEL VERTICAL

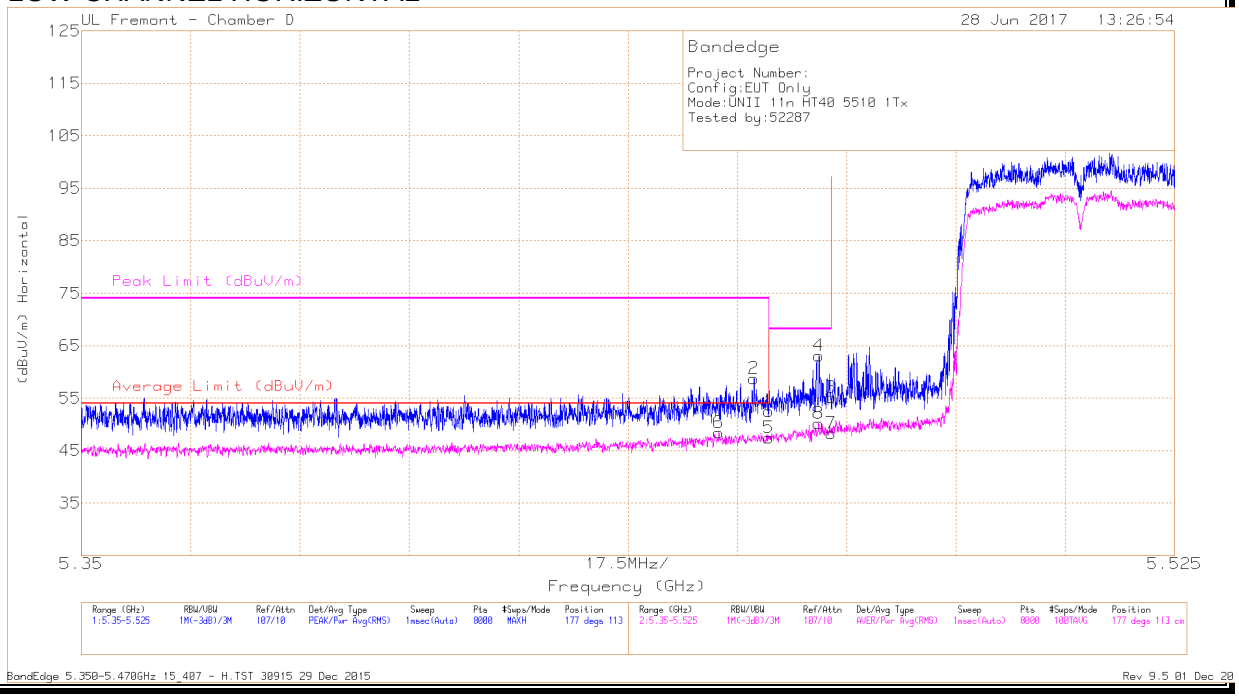
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	41.58	Pk	34.6	-17.5	58.68	68.2	-9.52	253	115	V
2	5.726	44.93	Pk	34.6	-17.5	62.03	68.2	-6.17	253	115	V

Pk - Peak detector
BandEdge 5.725-5.825MHz 15_407 - V.TST 30915 21 Mar 2016
Rev 9.5 01 Dec 2016

9.1.24. 11n HT40 LAT 3 SISO MODE IN THE 5.6GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

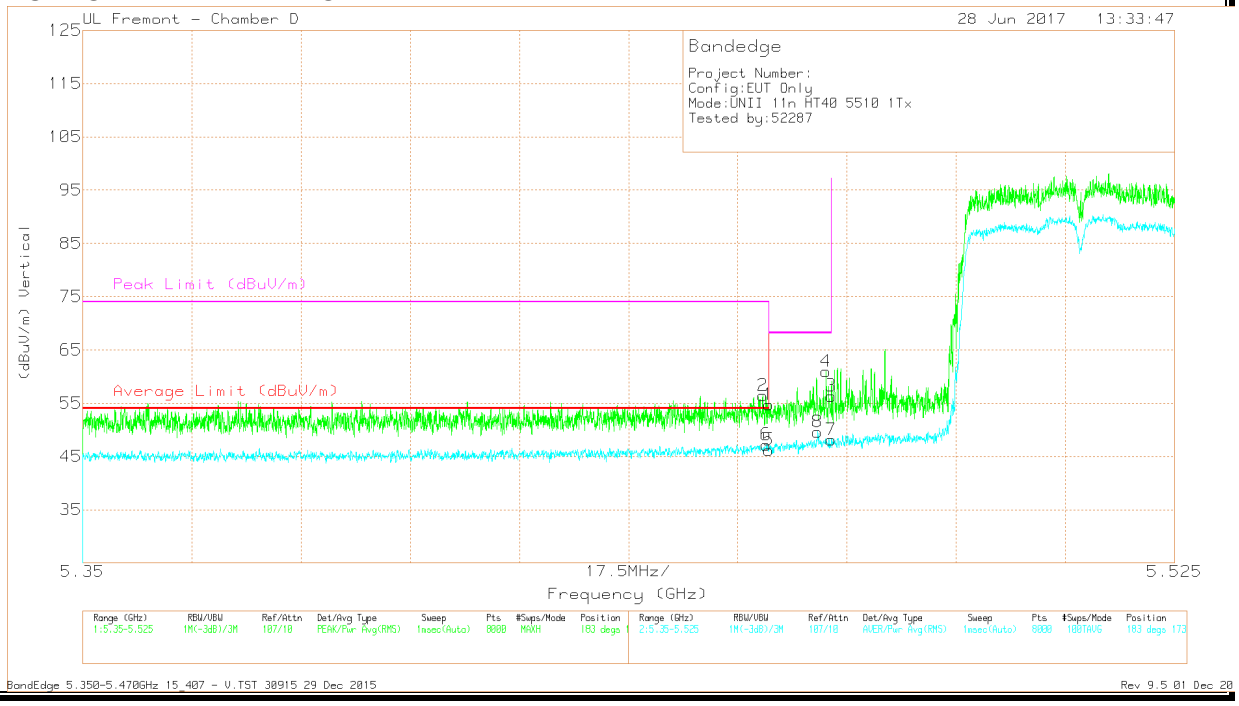
LOW CHANNEL HORIZONTAL



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (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
6	* 5.452	31.96	RMS	34.4	-18	.1	48.46	54	-5.54	-	-	177	113	H
2	* 5.458	42.38	Pk	34.4	-18	0	58.78	-	-	74	-15.22	177	113	H
1	* 5.46	36.02	Pk	34.4	-17.9	0	52.52	-	-	74	-21.48	177	113	H
5	* 5.46	30.79	RMS	34.4	-17.9	.1	47.39	54	-6.61	-	-	177	113	H
4	5.468	46.55	Pk	34.4	-17.9	0	63.05	-	-	68.2	-5.15	177	113	H
8	5.468	33.62	RMS	34.4	-17.9	.1	50.22	-	-	-	-	177	113	H
3	5.47	38.63	Pk	34.4	-17.9	0	55.13	-	-	68.2	-13.07	177	113	H
7	5.47	31.73	RMS	34.4	-17.9	.1	48.33	-	-	-	-	177	113	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection
BandEdge 5.350-5.470GHz 15_407 - H.TST 30915 29 Dec 2015
Rev 9.5 01 Dec 2016

LOW CHANNEL VERTICAL

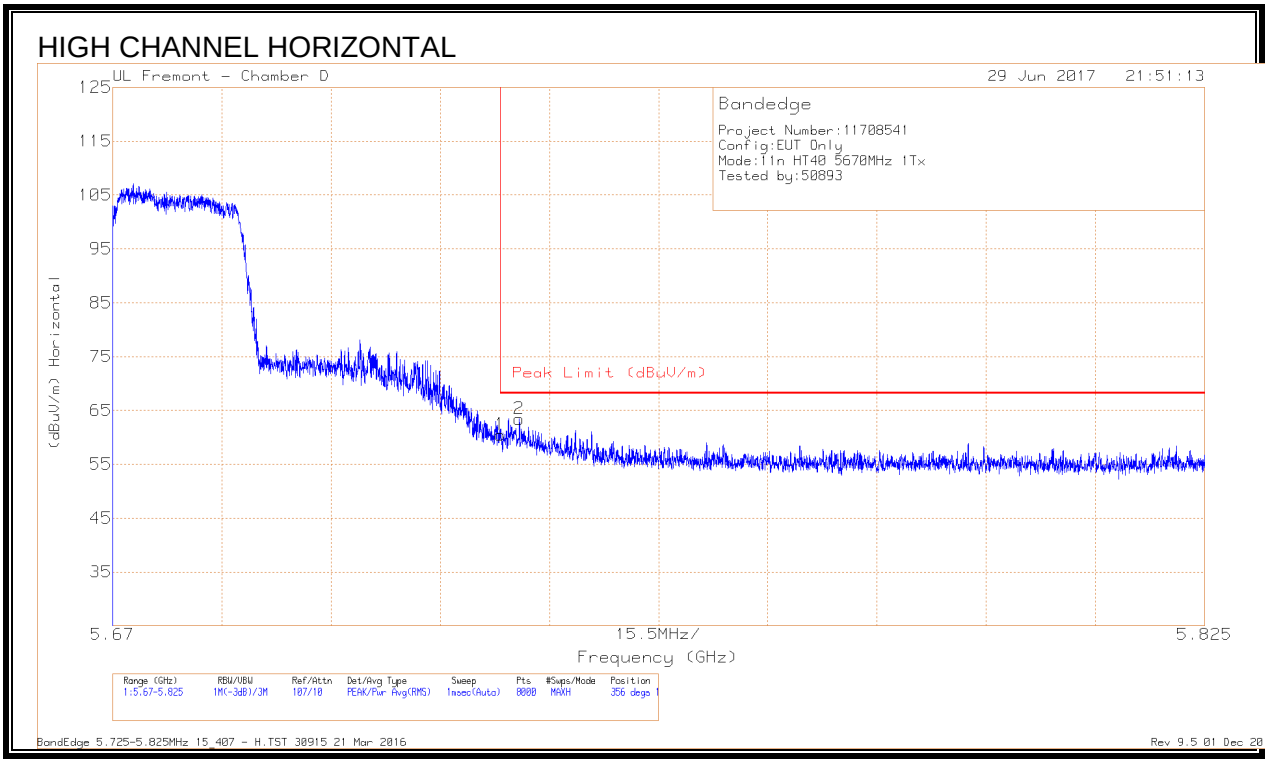


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.459	40.03	Pk	34.4	-18	0	56.43	-	-	74	-17.57	183	173	V
1	* 5.46	38.23	Pk	34.4	-17.9	0	54.73	-	-	74	-19.27	183	173	V
5	* 5.46	29.7	RMS	34.4	-17.9	.1	46.3	54	-7.7	-	-	183	173	V
6	* 5.46	30.79	RMS	34.4	-18	.1	47.29	54	-6.71	-	-	183	173	V
8	5.468	33.08	RMS	34.4	-17.9	.1	49.68	-	-	-	-	183	173	V
4	5.469	44.44	Pk	34.4	-17.9	0	60.94	-	-	68.2	-7.26	183	173	V
3	5.47	39.84	Pk	34.4	-17.9	0	56.34	-	-	68.2	-11.86	183	173	V
7	5.47	31.63	RMS	34.4	-17.9	.1	48.23	-	-	-	-	183	173	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection
BandEdge 5.350-5.470GHz 15_407 - V.TST 30915 29 Dec 2015
Rev 9.5 01 Dec 2016

AUTHORIZED BANDEDGE (HIGH CHANNEL)

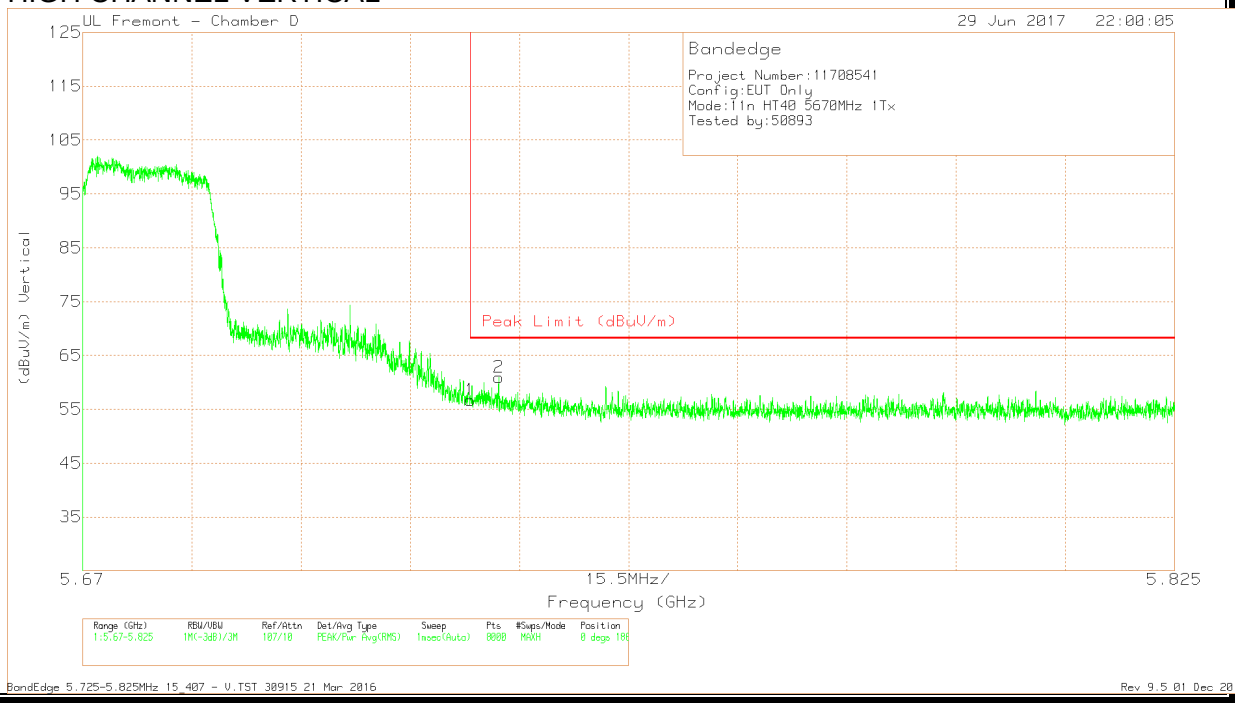
HIGH CHANNEL HORIZONTAL



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	43.17	Pk	34.8	-17.5	60.47	68.2	-7.73	356	117	H
2	5.728	46.22	Pk	34.8	-17.6	63.42	68.2	-4.78	356	117	H

Pk - Peak detector
BandEdge 5.725-5.825MHz 15_407 - H.TST 30915 21 Mar 2016
Rev 9.5 01 Dec 2016

HIGH CHANNEL VERTICAL

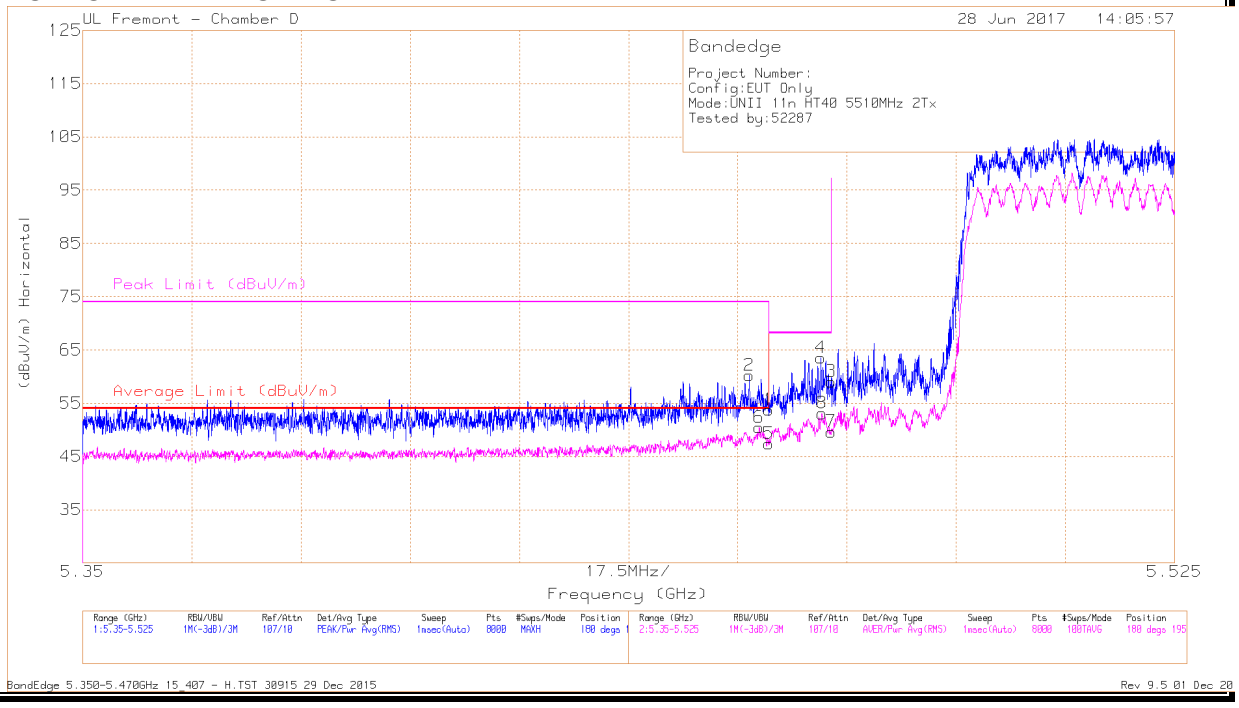


	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	39.38	Pk	34.8	-17.5	56.68	68.2	-11.52	0	186	V
2	5.729	43.59	Pk	34.8	-17.5	60.89	68.2	-7.31	0	186	V

Pk - Peak detector
BandEdge 5.725-5.825MHz 15_407 - V.TST 30915 21 Mar 2016
Rev 9.5 01 Dec 2016

9.1.25. 11n HT40 2TX CDD MIMO MODE IN THE 5.6GHz BAND

LOW CHANNEL HORIZONTAL



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.457	43.83	Pk	34.4	-18	0	60.23	-	-	74	-13.77	180	195	H
6	* 5.458	33.93	RMS	34.4	-18	.1	50.43	54	-3.57	-	-	180	195	H
1	* 5.46	37.26	Pk	34.4	-17.9	0	53.76	-	-	74	-20.24	180	195	H
5	* 5.46	30.76	RMS	34.4	-17.9	.1	47.36	54	-6.64	-	-	180	195	H
4	5.468	47.02	Pk	34.4	-17.9	0	63.52	-	-	68.2	-4.68	180	195	H
8	5.468	36.48	RMS	34.4	-17.9	.1	53.08	-	-	-	-	180	195	H
3	5.47	42.54	Pk	34.4	-17.9	0	59.04	-	-	68.2	-9.16	180	195	H
7	5.47	33.03	RMS	34.4	-17.9	.1	49.63	-	-	-	-	180	195	H

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

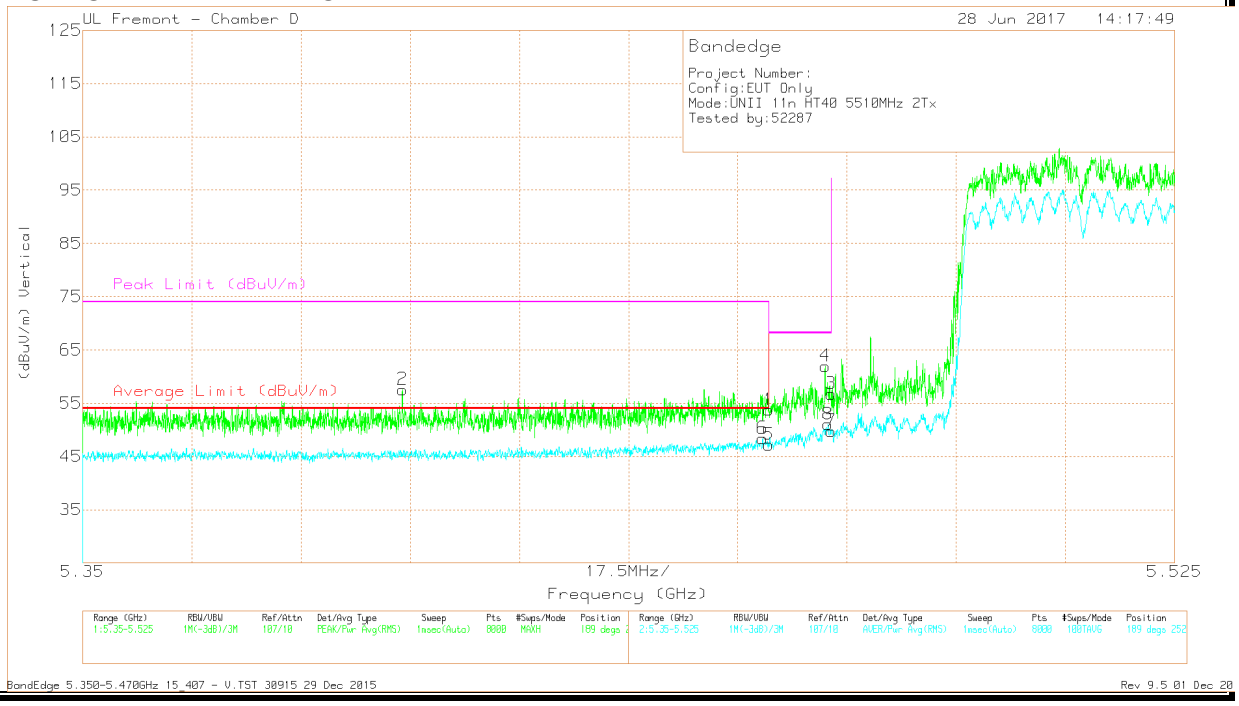
Pk - Peak detector

RMS - RMS detection

BandEdge 5.350-5.470GHz 15_407 - H.TST 30915 29 Dec 2015

Rev 9.5 01 Dec 2016

LOW CHANNEL VERTICAL



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.401	41.58	Pk	34.3	-18.3	0	57.58	-	-	74	-16.42	189	252	V
6	* 5.459	31.9	RMS	34.4	-18	.1	48.4	54	-5.6	-	-	189	252	V
1	* 5.46	37.26	Pk	34.4	-17.9	0	53.76	-	-	74	-20.24	189	252	V
5	* 5.46	30.62	RMS	34.4	-17.9	.1	47.22	54	-6.78	-	-	189	252	V
4	5.469	45.48	Pk	34.4	-17.9	0	61.98	-	-	68.2	-6.22	189	252	V
8	5.469	34.47	RMS	34.4	-17.9	.1	51.07	-	-	-	-	189	252	V
3	5.47	40.25	Pk	34.4	-17.9	0	56.75	-	-	68.2	-11.45	189	252	V
7	5.47	33.14	RMS	34.4	-17.9	.1	49.74	-	-	-	-	189	252	V

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

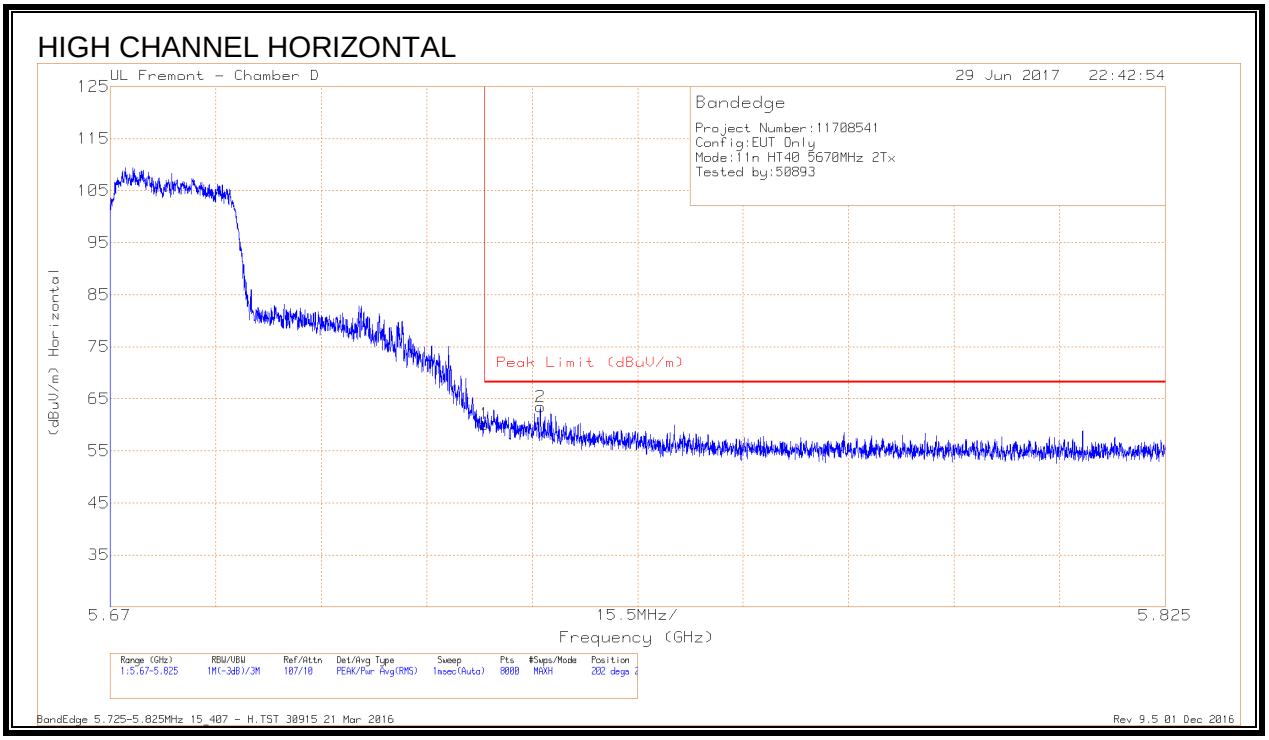
Pk - Peak detector

RMS - RMS detection

BandEdge 5.350-5.470GHz 15_407 - V.TST 30915 29 Dec 2015

Rev 9.5 01 Dec 2016

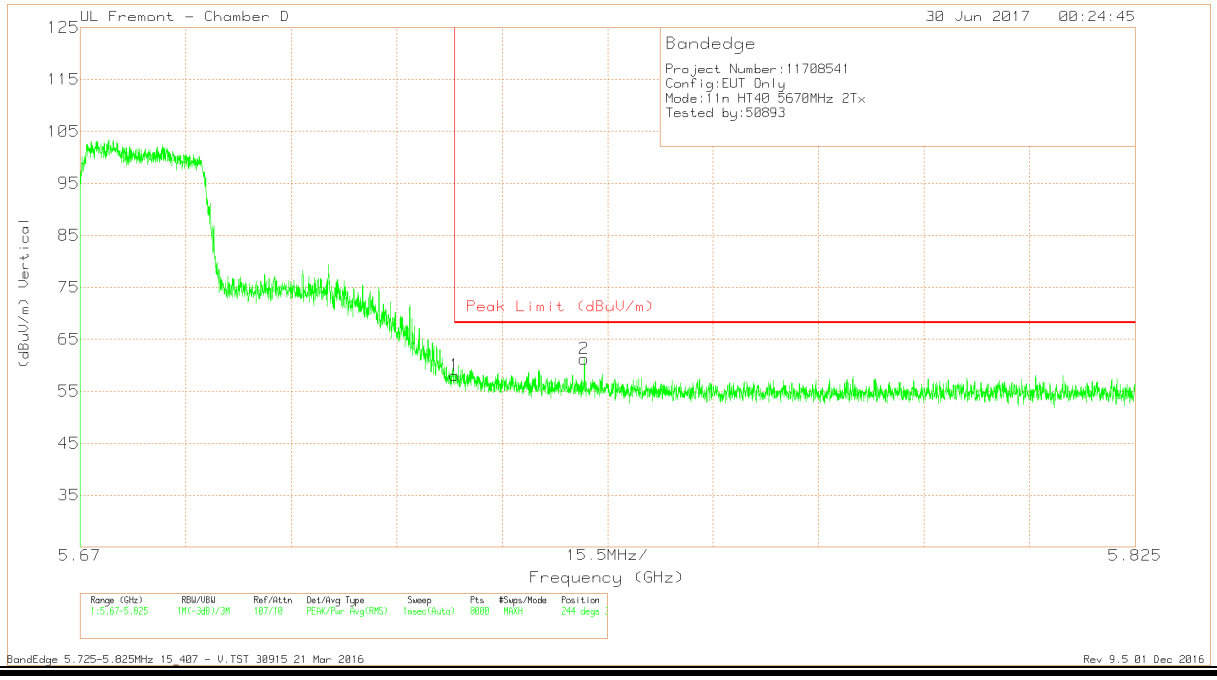
AUTHORIZED BANDEDGE (HIGH CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cbl /Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	42.84	Pk	34.8	-17.5	60.14	68.2	-8.06	202	248	H
2	5.733	46.15	Pk	34.8	-17.5	63.45	68.2	-4.75	202	248	H

Pk - Peak detector
BandEdge 5.725-5.825MHz 15_407 - H.TST 30915 21 Mar 2016
Rev 9.5 01 Dec 2016

HIGH CHANNEL VERTICAL

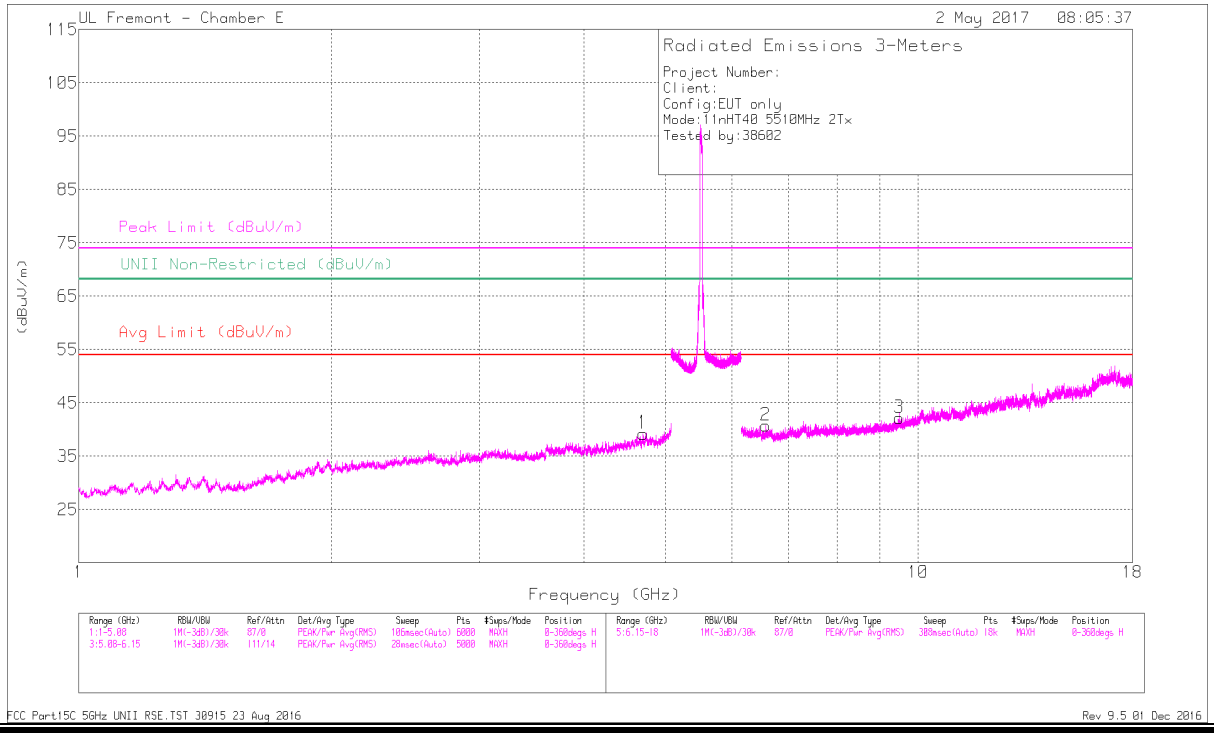


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	40.76	Pk	34.8	-17.5	58.06	68.2	-10.14	244	305	V
2	5.744	44.04	Pk	34.8	-17.6	61.24	68.2	-6.96	244	305	V

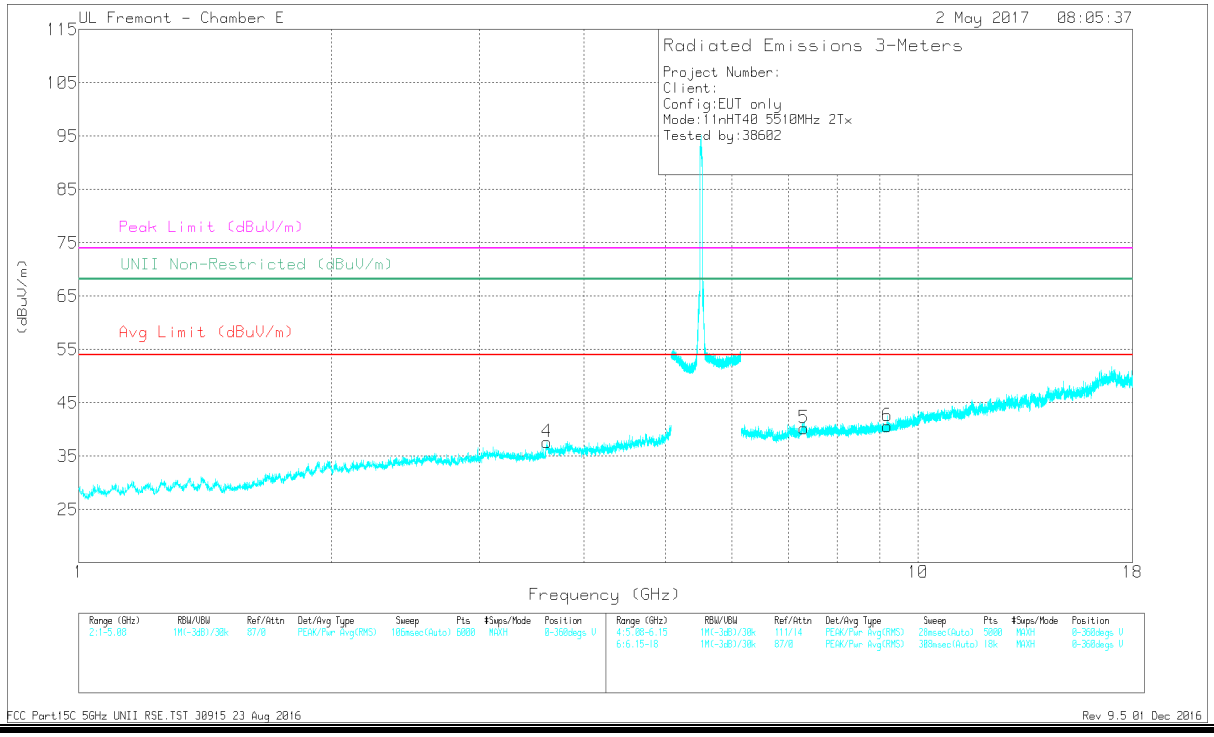
Peak detector
BandEdge 5.725-5.825MHz 15_407 - V.TST 30915 21 Mar 2016
Rev 9.5 01 Dec 2016

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



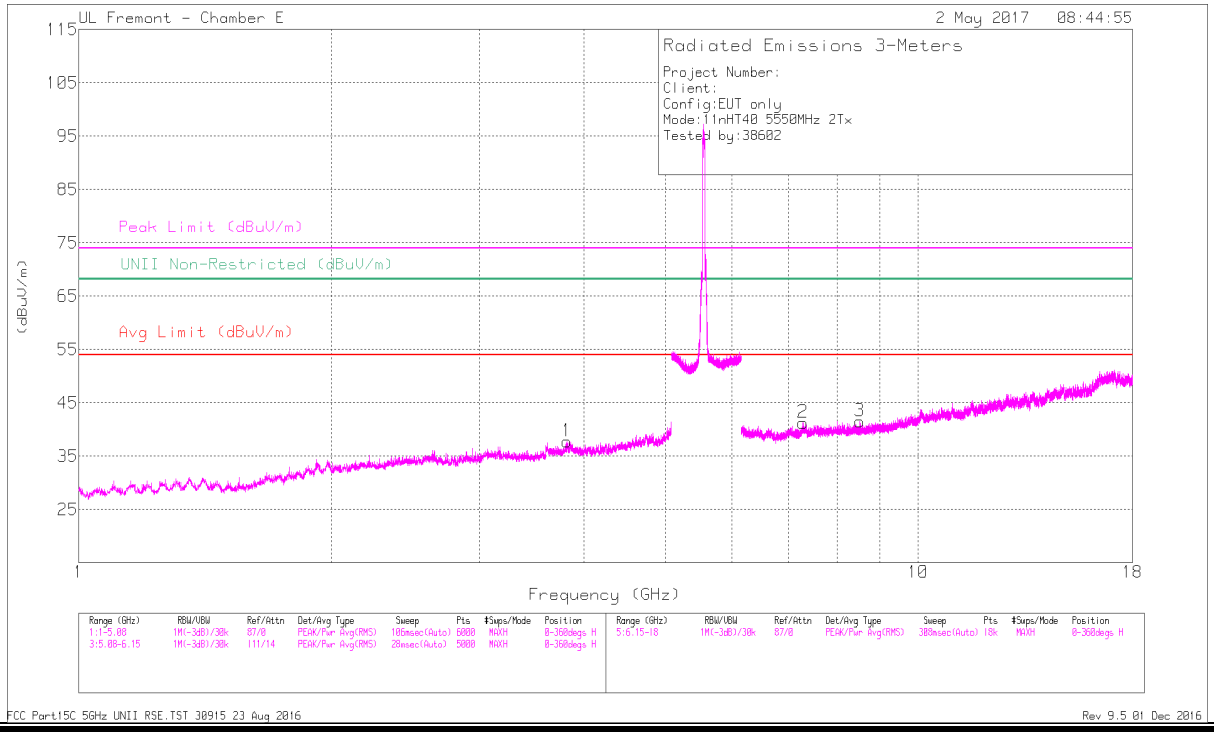
LOW CHANNEL VERTICAL



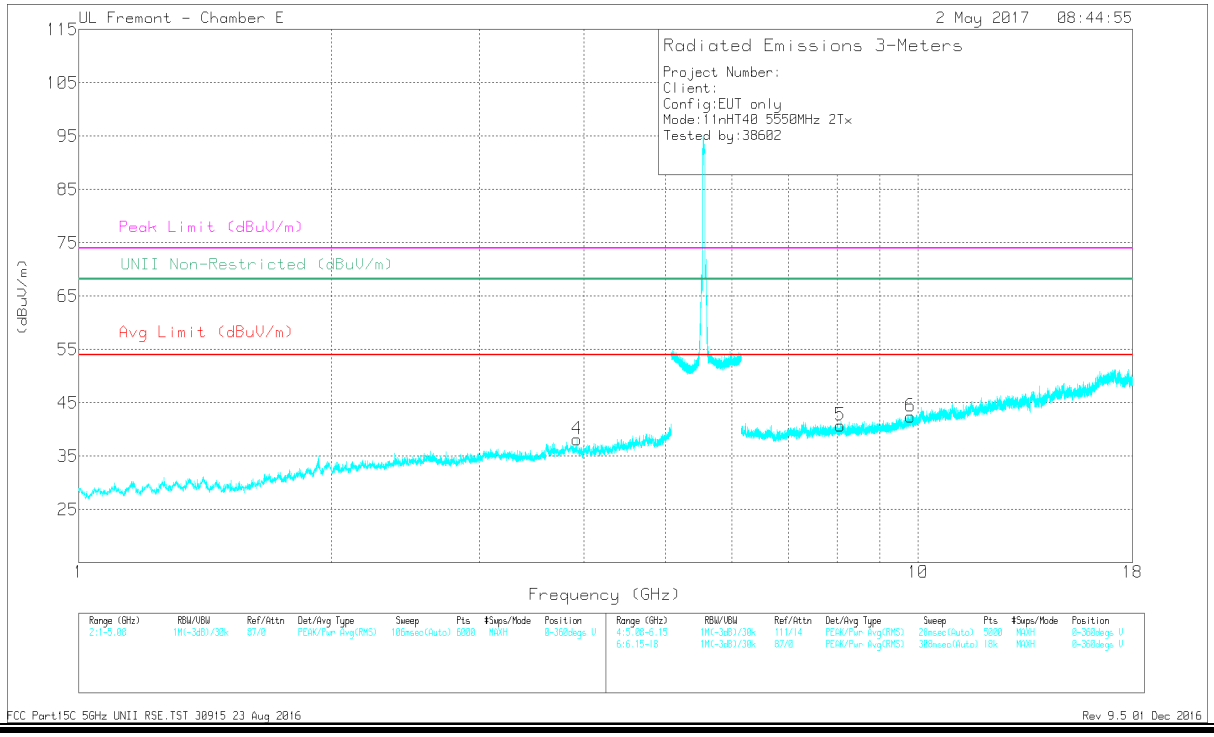
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.702	41.12	PK-U	34.3	-28.8	0	46.62	-	-	74	-27.38	-	-	46	140	H
* 4.702	29.19	ADR	34.3	-28.8	.1	34.79	54	-19.21	-	-	-	-	46	140	H
* 3.613	41.25	PK-U	33	-30.5	0	43.75	-	-	74	-30.25	-	-	57	294	V
* 3.616	29.56	ADR	33	-30.5	.1	32.16	54	-21.84	-	-	-	-	57	294	V
* 9.49	37.62	PK-U	36.6	-24.6	0	49.62	-	-	74	-24.38	-	-	29	314	H
* 9.489	25.29	ADR	36.6	-24.6	.1	37.39	54	-16.61	-	-	-	-	29	314	H
* 7.31	38.52	PK-U	35.9	-26.4	0	48.02	-	-	74	-25.98	-	-	13	234	V
* 7.31	26.7	ADR	35.9	-26.4	.1	36.30	54	-17.70	-	-	-	-	13	234	V
* 9.186	38.45	PK-U	36.3	-25.8	0	48.95	-	-	74	-25.05	-	-	21	228	V
* 9.186	26.72	ADR	36.3	-25.8	.1	37.32	54	-16.68	-	-	-	-	21	228	V
6.587	39.73	PK-U	35.6	-28	0	47.33	-	-	-	-	68.2	-20.87	25	307	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 23 Aug 2016
Rev 9.5 01 Dec 2016

MID CHANNEL HORIZONTAL



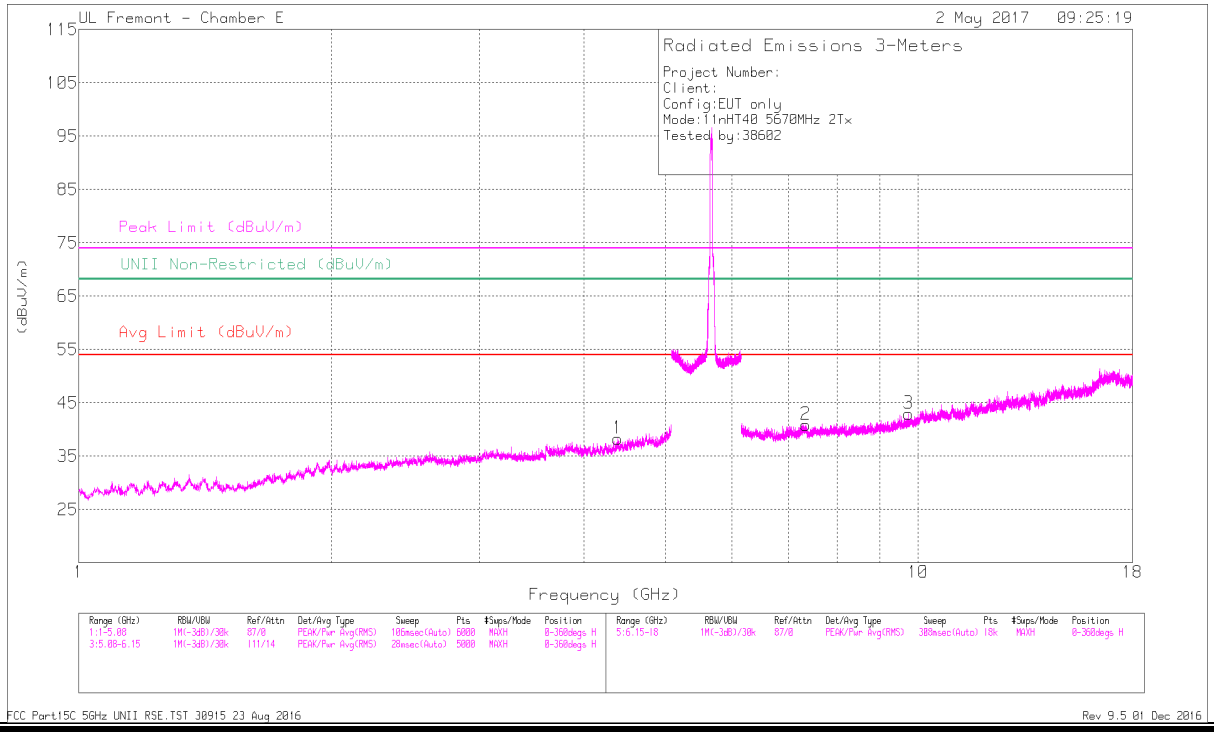
MID CHANNEL VERTICAL



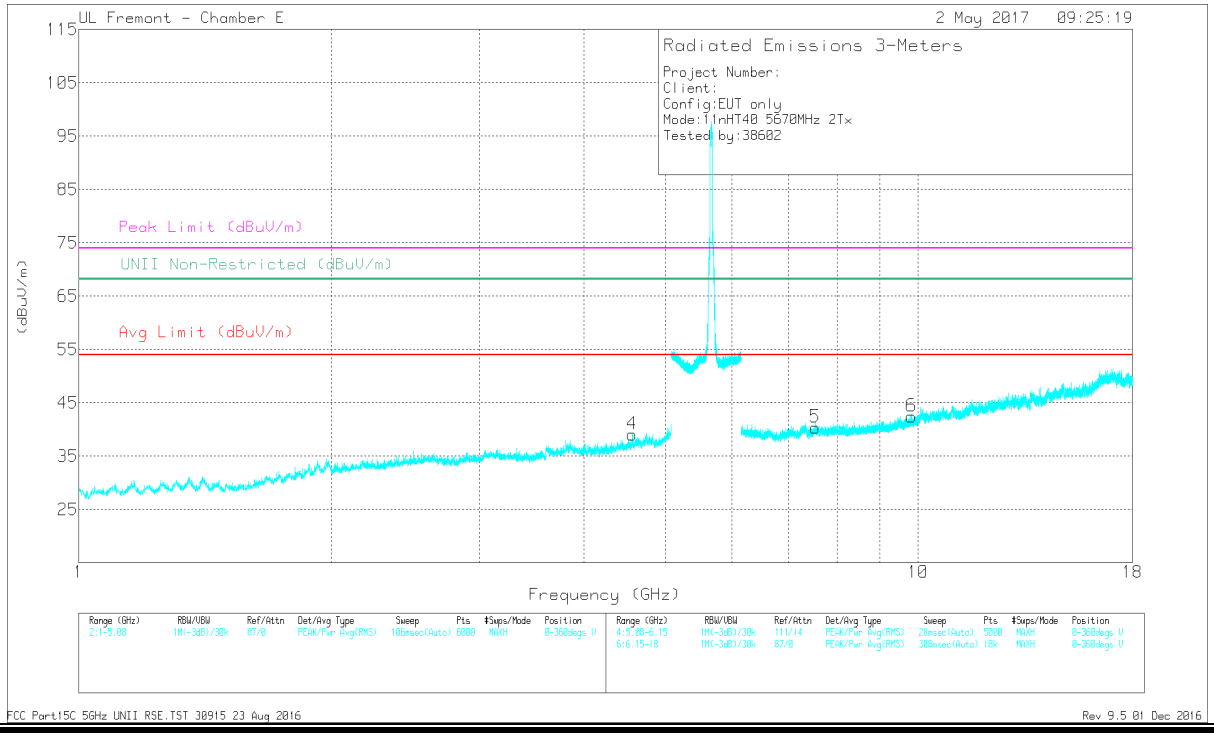
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.815	41.77	PK-U	33.4	-29.7	0	45.47	-	-	74	-28.53	-	-	11	388	H
* 3.815	29.57	ADR	33.4	-29.8	.1	33.27	54	-20.73	-	-	-	-	11	388	H
* 3.922	41.94	PK-U	33.4	-30.8	0	44.54	-	-	74	-29.46	-	-	130	213	V
* 3.922	30.44	ADR	33.4	-30.8	.1	33.14	54	-20.86	-	-	-	-	130	213	V
* 7.291	38.93	PK-U	35.9	-26.2	0	48.63	-	-	74	-25.37	-	-	6	212	H
* 7.29	26.87	ADR	35.9	-26.3	.1	36.57	54	-17.43	-	-	-	-	6	212	H
* 8.081	39.22	PK-U	36	-27.1	0	48.12	-	-	74	-25.88	-	-	97	292	V
* 8.081	26.96	ADR	36	-27.1	.1	35.96	54	-18.04	-	-	-	-	97	292	V
8.517	38.39	PK-U	35.9	-26.4	0	47.89	-	-	-	-	68.2	-20.31	11	207	H
9.797	37.35	PK-U	36.9	-24.7	0	49.55	-	-	-	-	68.2	-18.65	104	283	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
FCC Part15C 5GHz UNII RSE.TST 30915 23 Aug 2016
Rev 9.5 01 Dec 2016

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



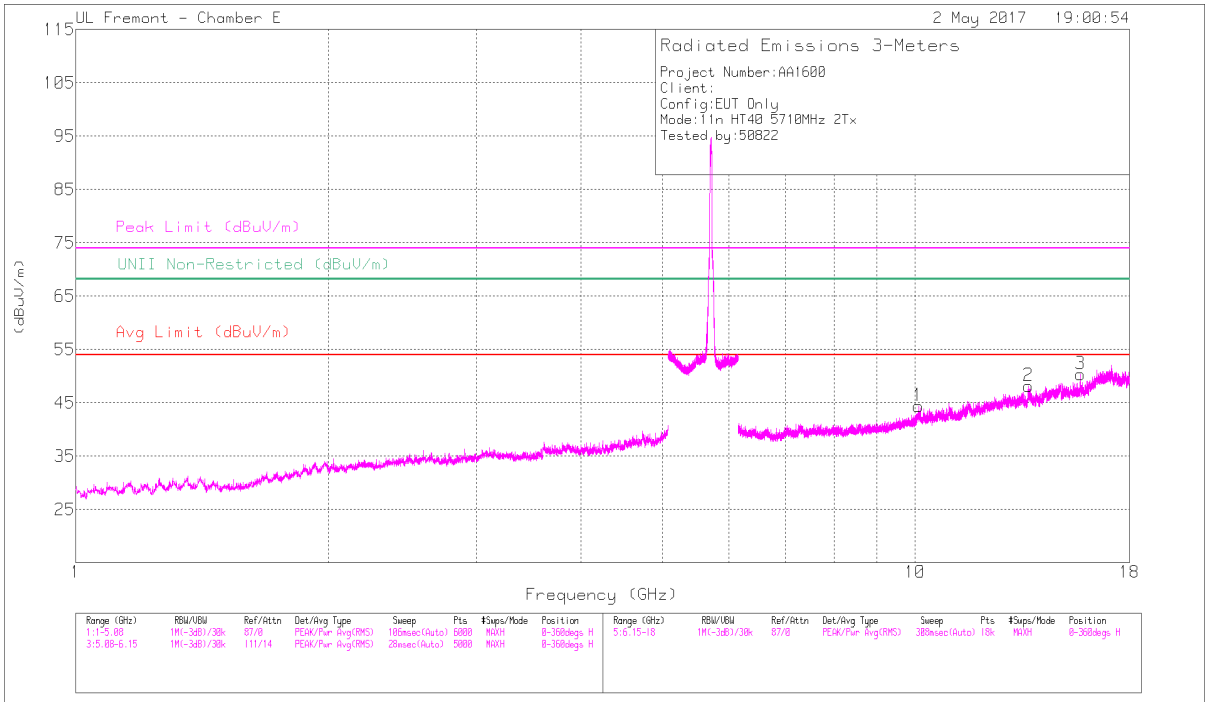
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.383	41.63	PK-U	33.7	-29.4	0	45.93	-	-	74	-28.07	-	-	336	218	H
* 4.386	29.57	ADR	33.7	-29.3	.1	34.07	54	-19.93	-	-	-	-	336	218	H
* 4.562	41.75	PK-U	34.1	-29.1	0	46.75	-	-	74	-27.25	-	-	305	149	V
* 4.564	29.32	ADR	34.1	-29.1	.1	34.42	54	-19.58	-	-	-	-	305	149	V
* 7.346	39.02	PK-U	35.9	-26.8	0	48.12	-	-	74	-25.88	-	-	248	396	H
* 7.349	27.35	ADR	35.9	-26.9	.1	36.45	54	-17.55	-	-	-	-	248	396	H
* 7.543	38.43	PK-U	36.1	-26.5	0	48.03	-	-	74	-25.97	-	-	223	164	V
* 7.541	27.03	ADR	36.1	-26.5	.1	36.73	54	-17.27	-	-	-	-	223	164	V
9.738	37.73	PK-U	36.8	-25.5	0	49.03	-	-	-	-	68.2	-19.17	272	377	H
9.817	37.19	PK-U	36.9	-24.5	0	49.59	-	-	-	-	68.2	-18.61	237	168	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
FCC Part15C 5GHz UNII RSE.TST 30915 23 Aug 2016
Rev 9.5 01 Dec 2016

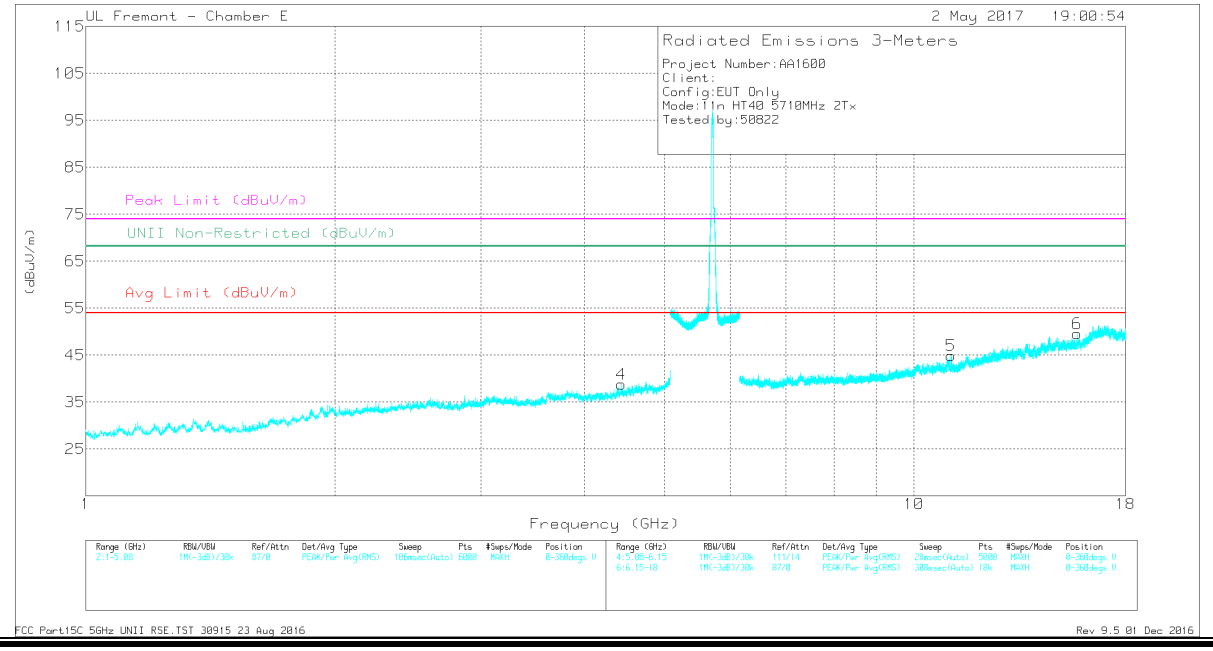
9.1.26. 11n HT40 2TX CDD MIMO STRADDLE CHANNEL 142

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL

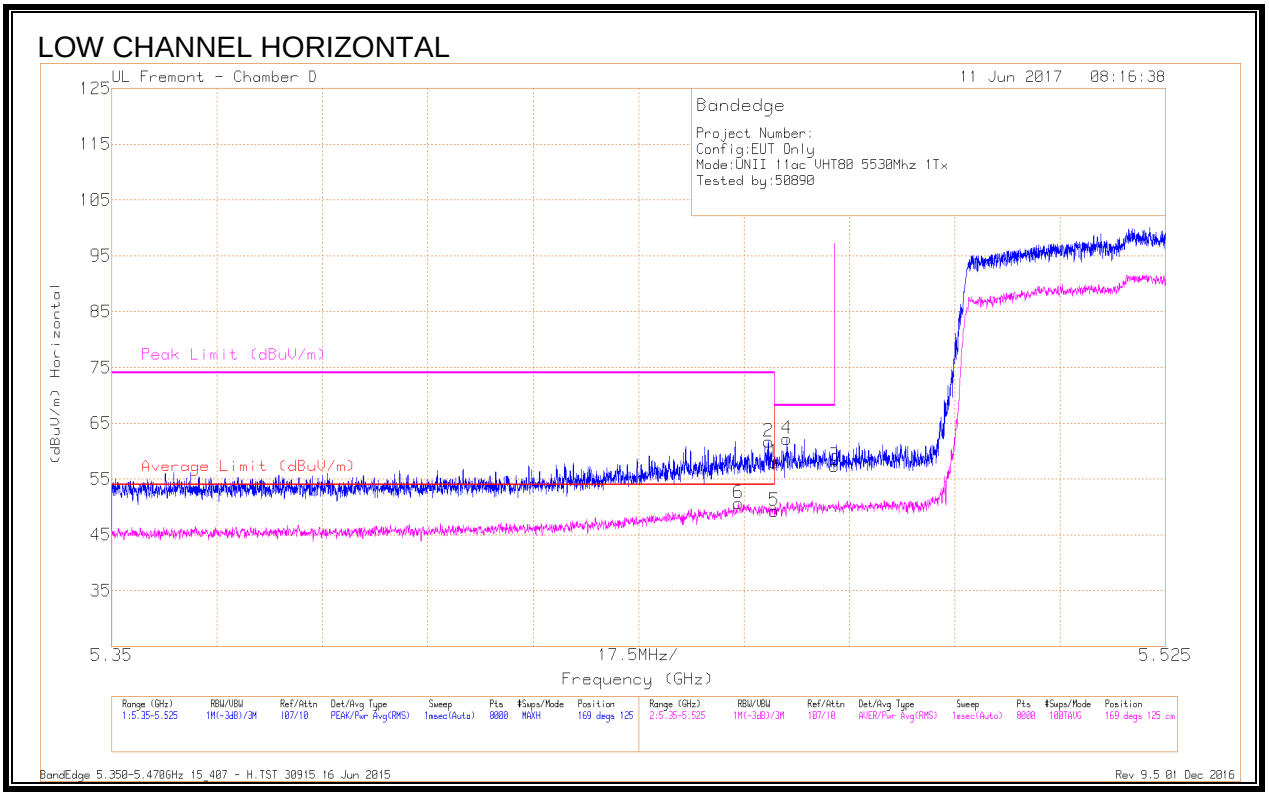


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* 15.731	36.86	PK-U	40.8	-21.6	0	56.06	-	-	74	-17.94	-	-	191	265	H
	* 15.733	25	ADR	40.8	-21.6	.1	44.3	54	-9.7	-	-	-	-	191	265	H
5	* 11.09	37.05	PK-U	37.7	-24	0	50.75	-	-	74	-23.25	-	-	146	360	V
	* 11.089	25.16	ADR	37.7	-24	.1	38.96	54	-15.04	-	-	-	-	146	360	V
6	* 15.729	37.32	PK-U	40.8	-21.7	0	56.42	-	-	74	-17.58	-	-	100	152	V
	* 15.729	25.49	ADR	40.8	-21.7	.1	44.69	54	-9.31	-	-	-	-	100	152	V
4	4.43	41.59	PK-U	33.8	-29.9	0	45.49	-	-	-	-	68.2	-22.71	197	128	V
1	10.088	35.73	PK-U	37.3	-22.9	0	50.13	-	-	-	-	68.2	-18.07	29	339	H
2	13.638	37.77	PK-U	39.3	-23.3	0	53.77	-	-	-	-	68.2	-14.43	138	172	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 23 Aug 2016
Rev 9.5 01 Dec 2016

9.1.27. 11ac HT80 UAT 2 SISO MODE IN THE 5.6GHz BAND

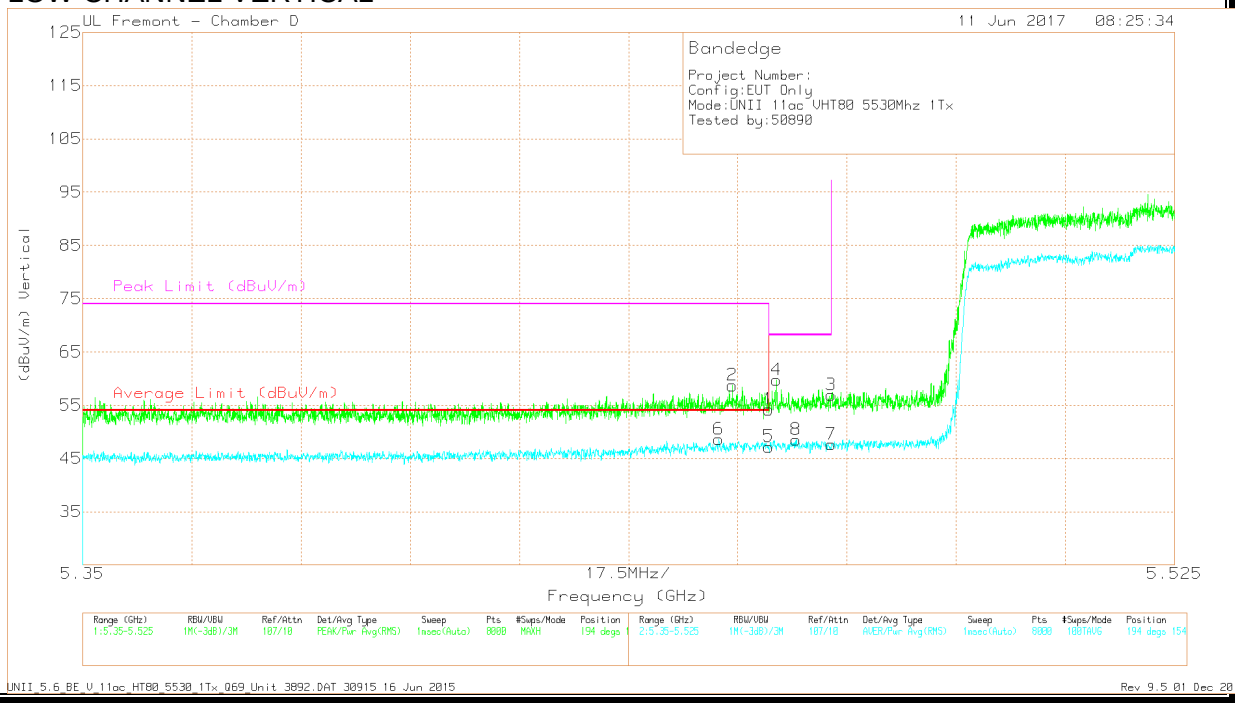
RESTRICTED BANDEDGE (LOW CHANNEL)



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	* 5.46	41.14	Pk	34.7	-17.9	0	57.94	-	-	74	-16.06	169	125	H
2	* 5.459	45	Pk	34.7	-18	0	61.7	-	-	74	-12.3	169	125	H
5	* 5.46	32.53	RMS	34.7	-17.9	.2	49.53	54	-4.47	-	-	169	125	H
6	* 5.454	33.94	RMS	34.7	-18	.2	50.84	54	-3.16	-	-	169	125	H
4	5.462	45.38	Pk	34.7	-17.9	0	62.18	-	-	68.2	-6.02	169	125	H
3	5.47	40.61	Pk	34.7	-17.9	0	57.41	-	-	68.2	-10.79	169	125	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection
BandEdge 5.350-5.470GHz 15_407 - H.TST 30915 16 Jun 2015
Rev 9.5 01 Dec 2016

LOW CHANNEL VERTICAL



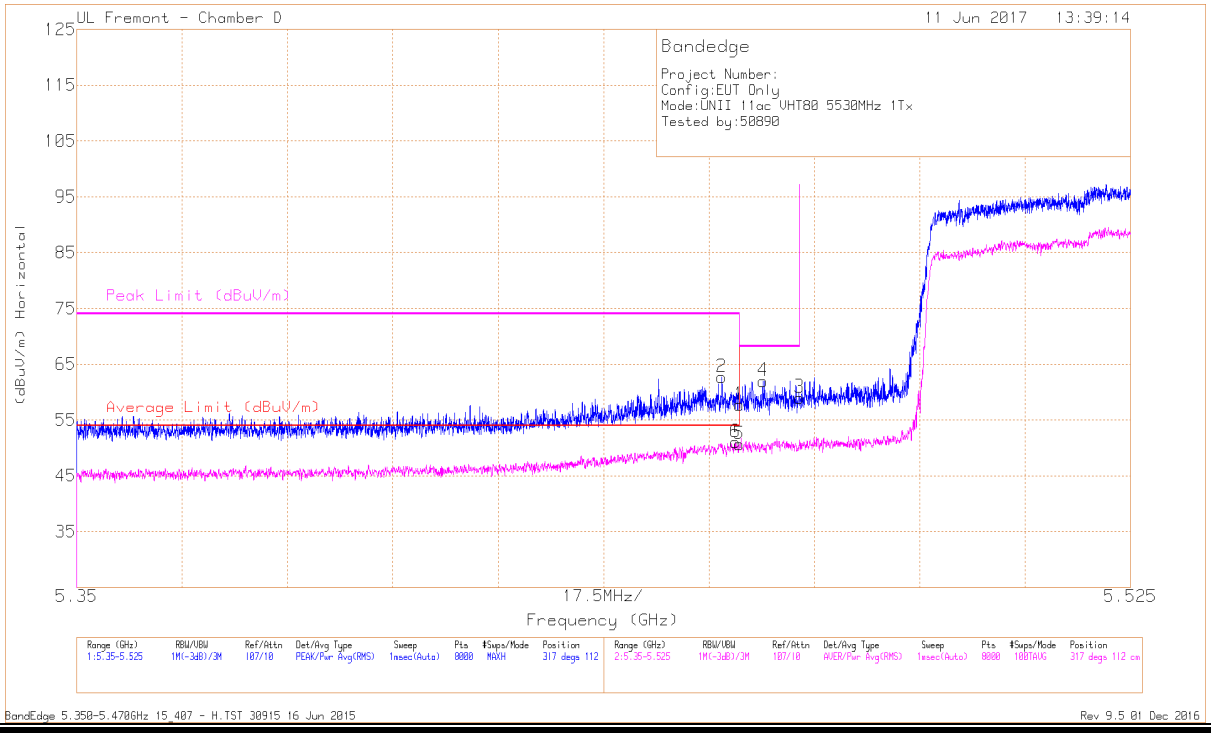
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl /Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6	* 5.452	31.91	RMS	34.7	-18	48.61	54	-5.39	-	-	194	154	V
2	* 5.454	42.01	Pk	34.7	-18	58.71	-	-	74	-15.29	194	154	V
1	* 5.46	37.4	Pk	34.7	-17.9	54.2	-	-	74	-19.8	194	154	V
5	* 5.46	30.4	RMS	34.7	-17.9	47.2	54	-6.8	-	-	194	154	V
4	5.461	42.9	Pk	34.7	-17.9	59.7	-	-	68.2	-8.5	194	154	V
8	5.464	31.71	RMS	34.7	-17.9	48.51	-	-	-	-	194	154	V
3	5.47	40.09	Pk	34.7	-17.9	56.89	-	-	68.2	-11.31	194	154	V
7	5.47	30.81	RMS	34.7	-17.9	47.61	-	-	-	-	194	154	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection
UNII_5.6_BE_V_11ac_HT80_5530_1Tx_Q69_Unit 3892.DAT 30915 16 Jun 2015
Rev 9.5 01 Dec 2016

9.1.28. 11ac HT80 LAT 3 SISO MODE IN THE 5.6GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

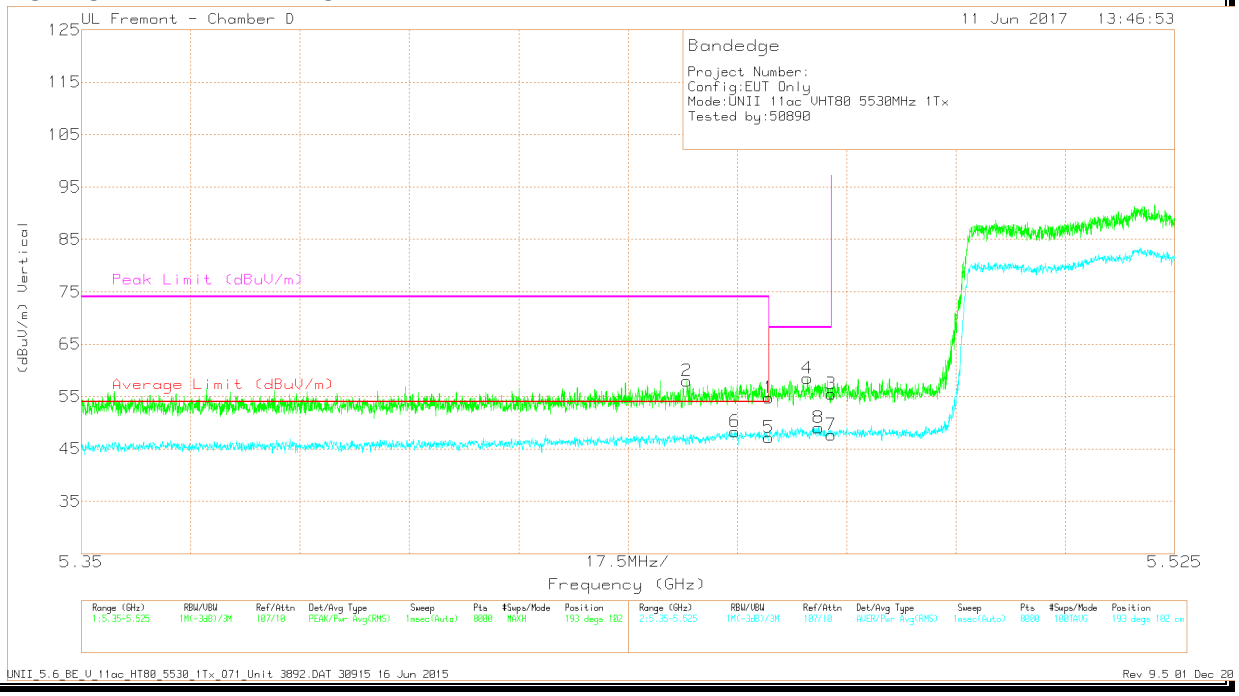
LOW CHANNEL HORIZONTAL



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	* 5.46	40.99	Pk	34.7	-17.9	0	57.79	-	-	74	-16.21	317	112	H
2	* 5.457	46.01	Pk	34.7	-18	0	62.71	-	-	74	-11.29	317	112	H
5	* 5.46	33.83	RMS	34.7	-17.9	.2	50.83	54	-3.17	-	-	317	112	H
6	* 5.459	34.35	RMS	34.7	-18	.2	51.25	54	-2.75	-	-	317	112	H
4	5.464	45.22	Pk	34.7	-17.9	0	62.02	-	-	68.2	-6.18	317	112	H
3	5.47	42.24	Pk	34.7	-17.9	0	59.04	-	-	68.2	-9.16	317	112	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection
BandEdge 5.350-5.470GHz 15_407 - H.TST 30915 16 Jun 2015
Rev 9.5 01 Dec 2016

LOW CHANNEL VERTICAL



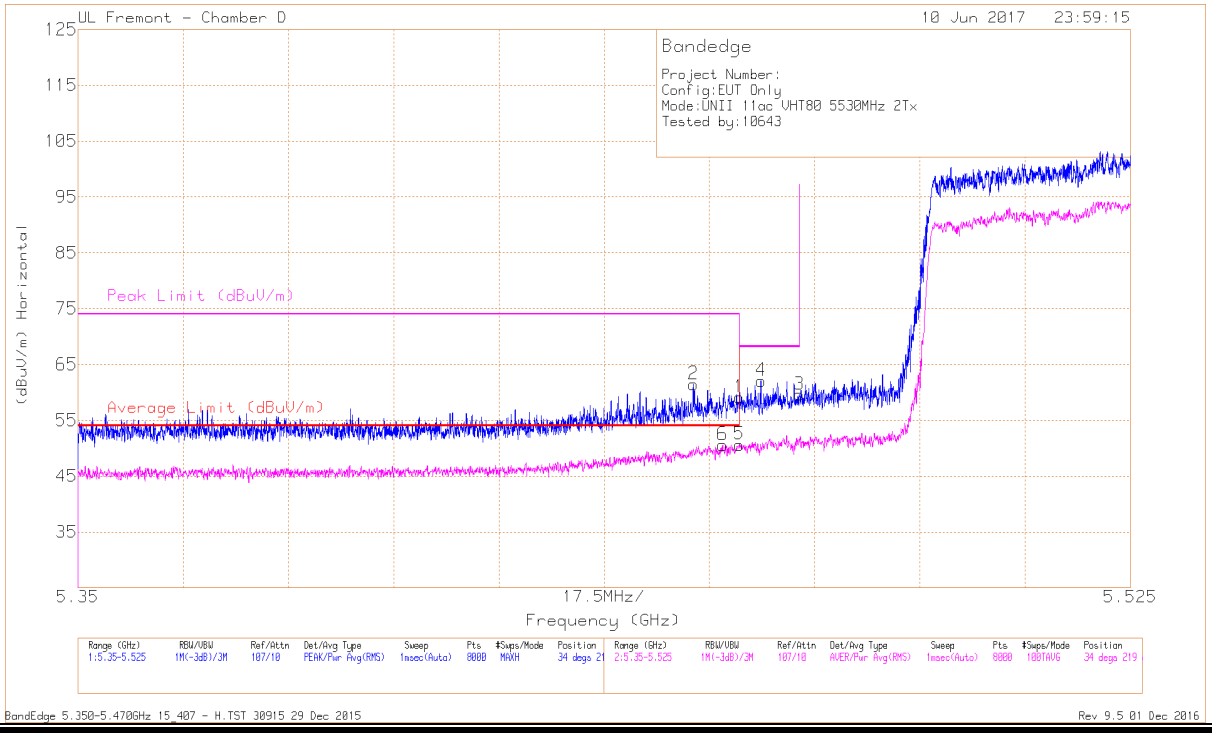
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.447	41.38	Pk	34.7	-18.1	0	57.98	-	-	74	-16.02	193	102	V
6	* 5.455	31.58	RMS	34.7	-18	.2	48.48	54	-5.52	-	-	193	102	V
1	* 5.46	37.94	Pk	34.7	-17.9	0	54.74	-	-	74	-19.26	193	102	V
5	* 5.46	30.38	RMS	34.7	-17.9	.2	47.38	54	-6.62	-	-	193	102	V
4	5.466	41.69	Pk	34.7	-17.9	0	58.49	-	-	68.2	-9.71	193	102	V
8	5.468	32.23	RMS	34.7	-17.9	.2	49.23	-	-	-	-	193	102	V
3	5.47	38.74	Pk	34.7	-17.9	0	55.54	-	-	68.2	-12.66	193	102	V
7	5.47	30.88	RMS	34.7	-17.9	.2	47.88	-	-	-	-	193	102	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection
UNII_5.6_BE_V_11ac_HT80_5530_1Tx_Q71_Unit 3892.DAT 30915 16 Jun 2015
Rev 9.5 01 Dec 2016

9.1.29. 11ac HT80 2TX CDD MIMO MODE IN THE 5.6GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

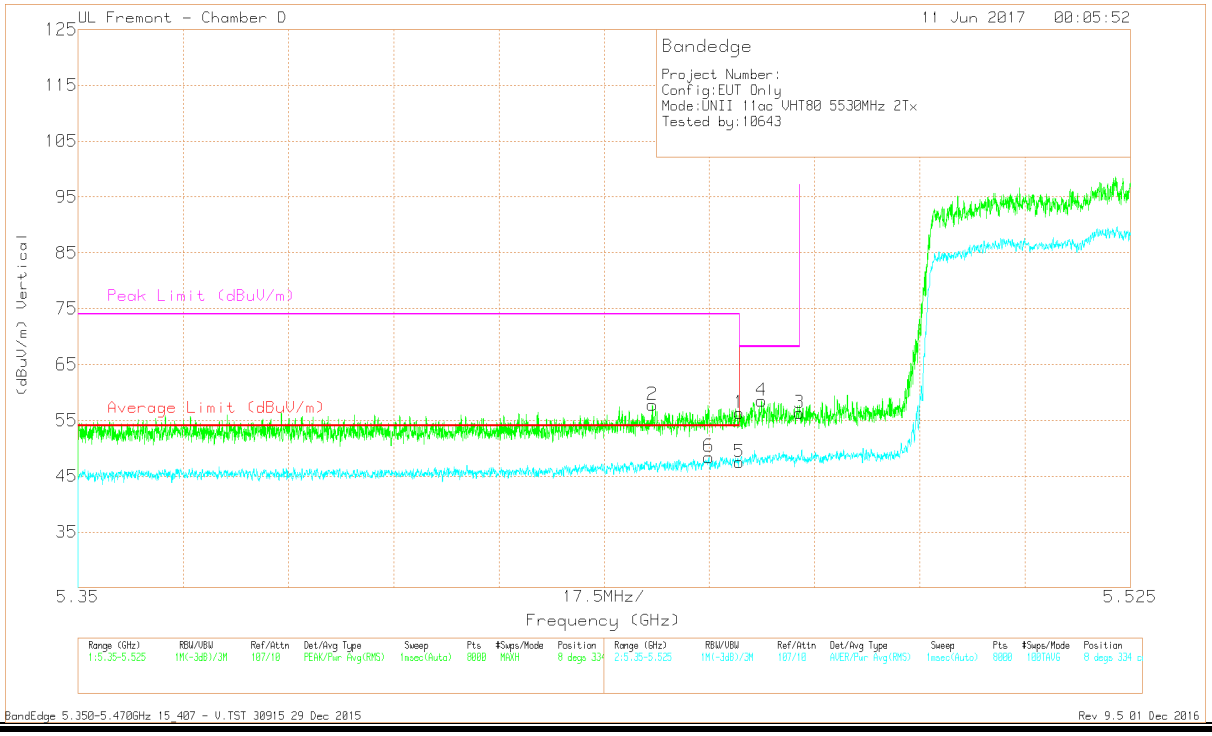
LOW CHANNEL HORIZONTAL



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
2	* 5.452	44.76	Pk	34.7	-18	0	61.46	-	-	74	-12.54	34	219	H
6	* 5.457	33.9	RMS	34.7	-18	.2	50.8	54	-3.2	-	-	34	219	H
1	* 5.46	42.29	Pk	34.7	-17.9	0	59.09	-	-	74	-14.91	34	219	H
5	* 5.46	33.83	RMS	34.7	-17.9	.2	50.83	54	-3.17	-	-	34	219	H
4	5.464	45.27	Pk	34.7	-17.9	0	62.07	-	-	68.2	-6.13	34	219	H
3	5.47	42.81	Pk	34.7	-17.9	0	59.61	-	-	68.2	-8.59	34	219	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection
BandEdge 5.350-5.470GHz 15_407 - H.TST 30915 29 Dec 2015
Rev 9.5 01 Dec 2016

LOW CHANNEL VERTICAL

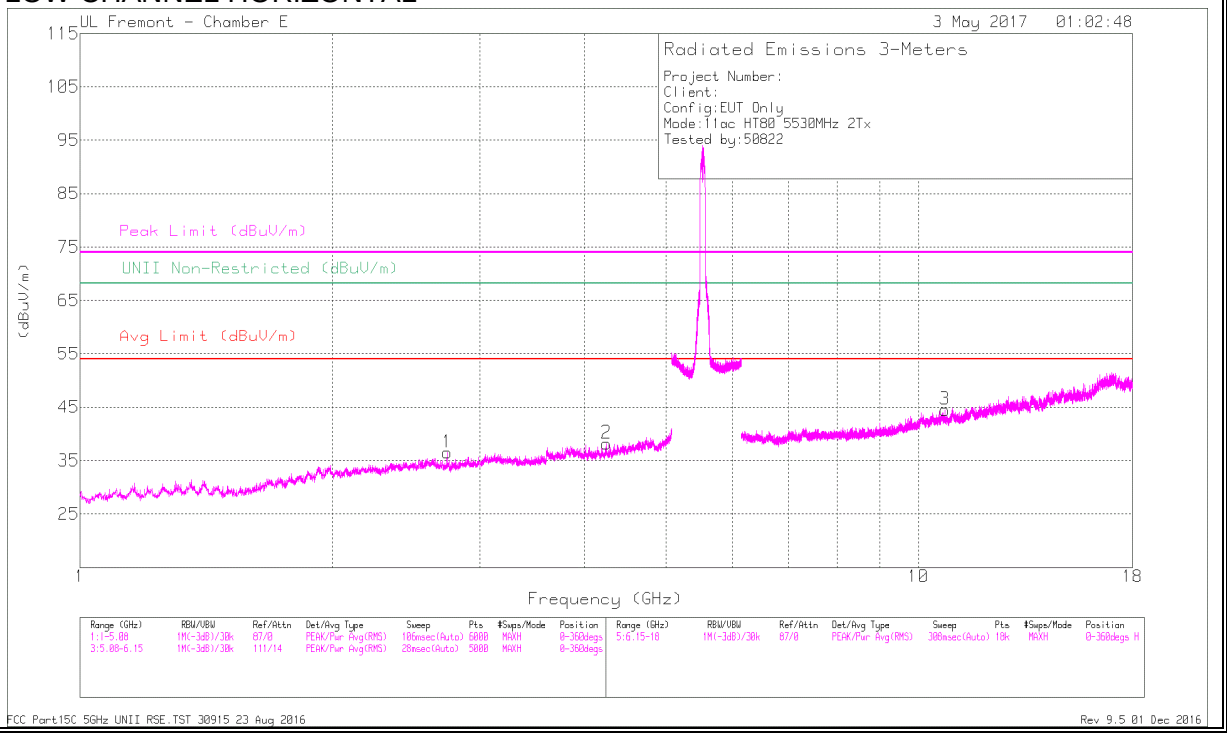


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.446	41.17	Pk	34.7	-18.1	0	57.77	-	-	74	-16.23	8	334	V
6	* 5.455	31.73	RMS	34.7	-18	.2	48.63	54	-5.37	-	-	8	334	V
1	* 5.46	39.5	Pk	34.7	-17.9	0	56.3	-	-	74	-17.7	8	334	V
5	* 5.46	30.7	RMS	34.7	-17.9	.2	47.7	54	-6.3	-	-	8	334	V
4	5.464	41.7	Pk	34.7	-17.9	0	58.5	-	-	68.2	-9.7	8	334	V
3	5.47	39.51	Pk	34.7	-17.9	0	56.31	-	-	68.2	-11.89	8	334	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection
BandEdge 5.350-5.470GHz 15_407 - V.TST 30915 29 Dec 2015
Rev 9.5 01 Dec 2016

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL