

8.36. 11n HT20 2TX CDD MIMO MODE IN THE 5.8GHz BAND

8.36.1. 6 dB BANDWIDTH

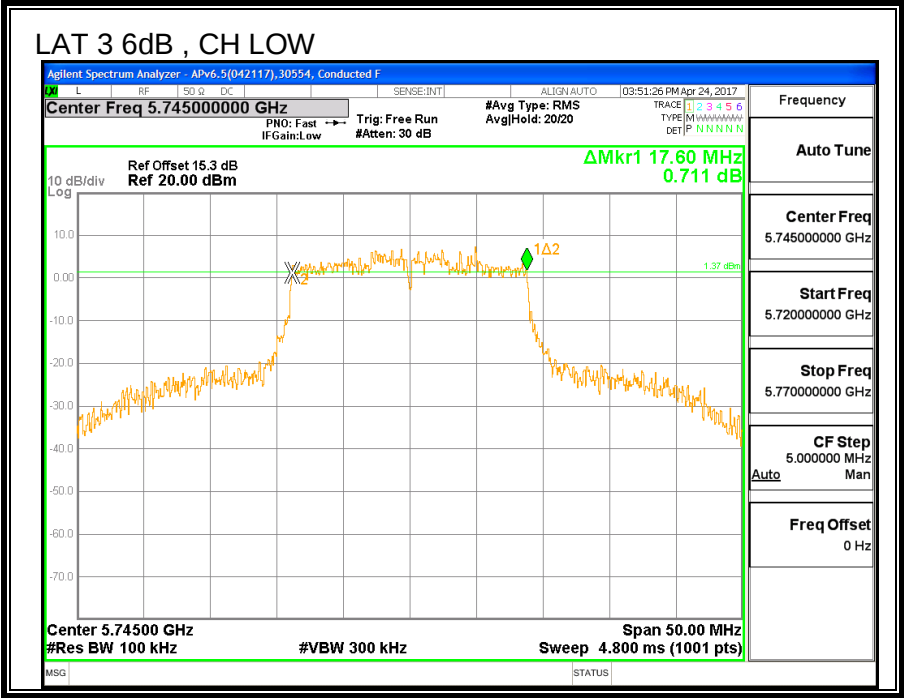
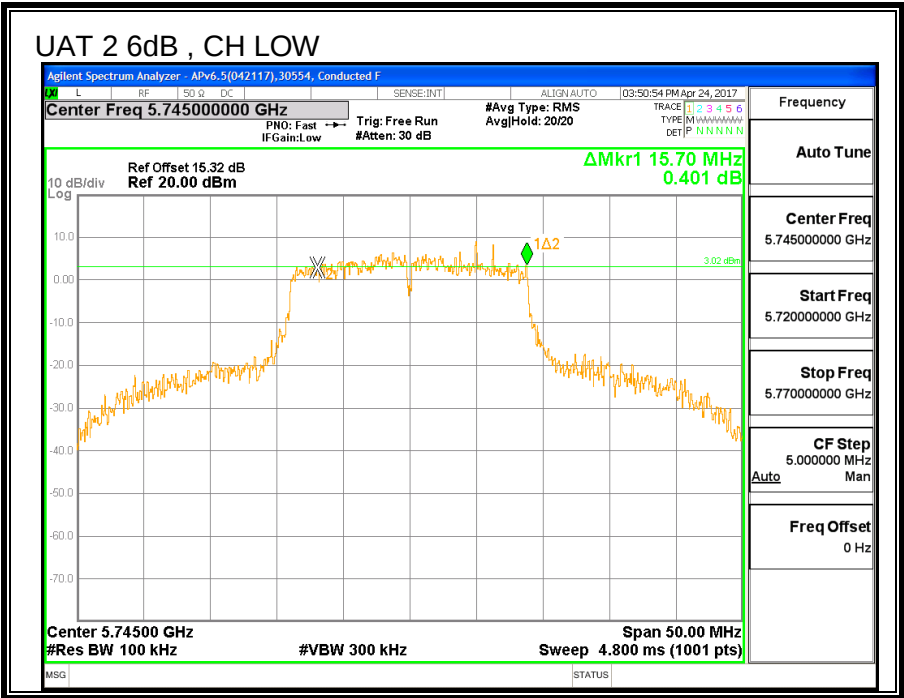
LIMITS

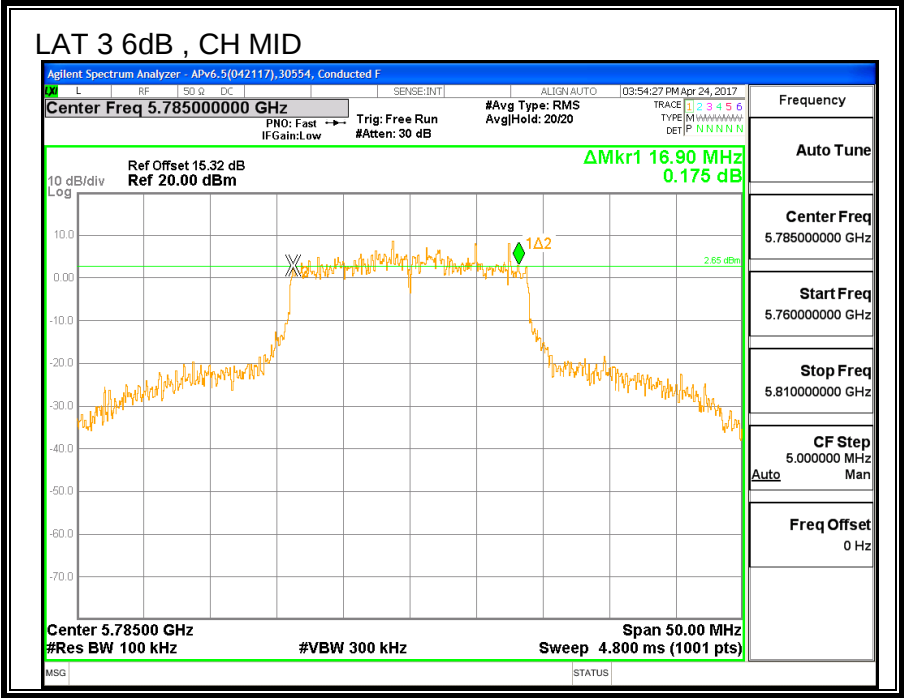
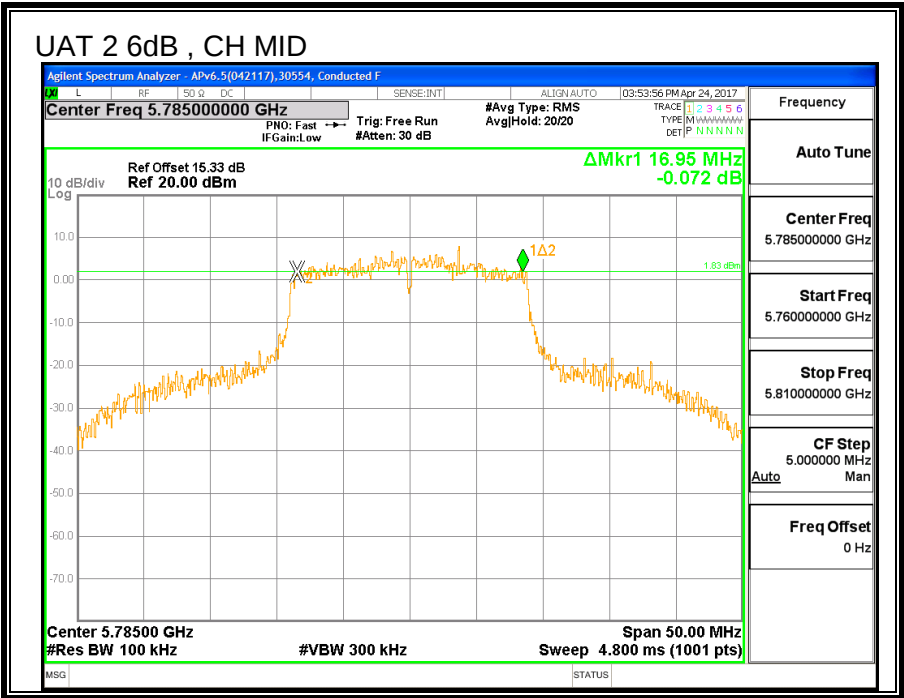
FCC §15.407 (e)

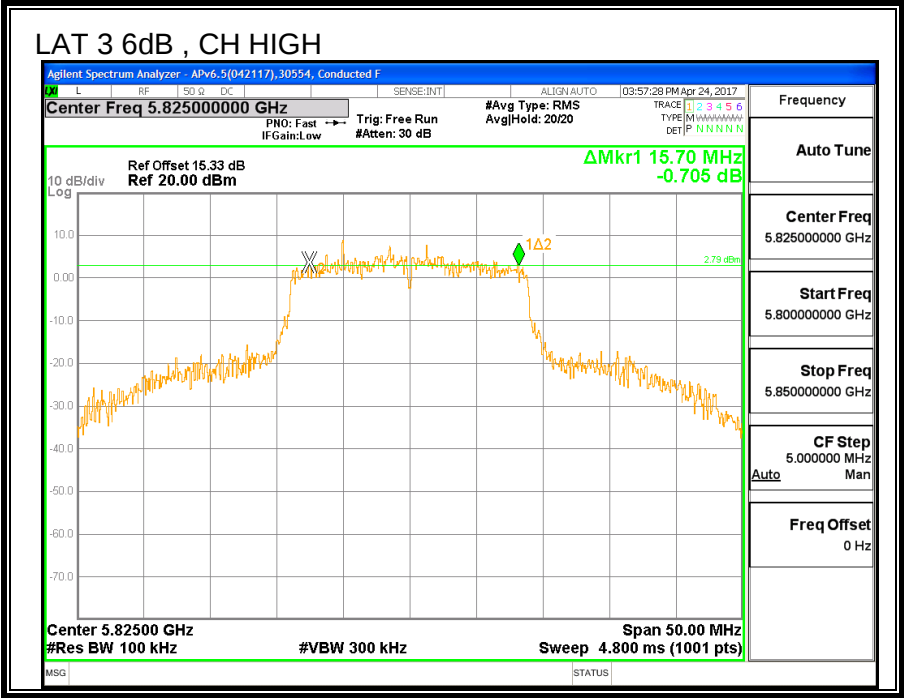
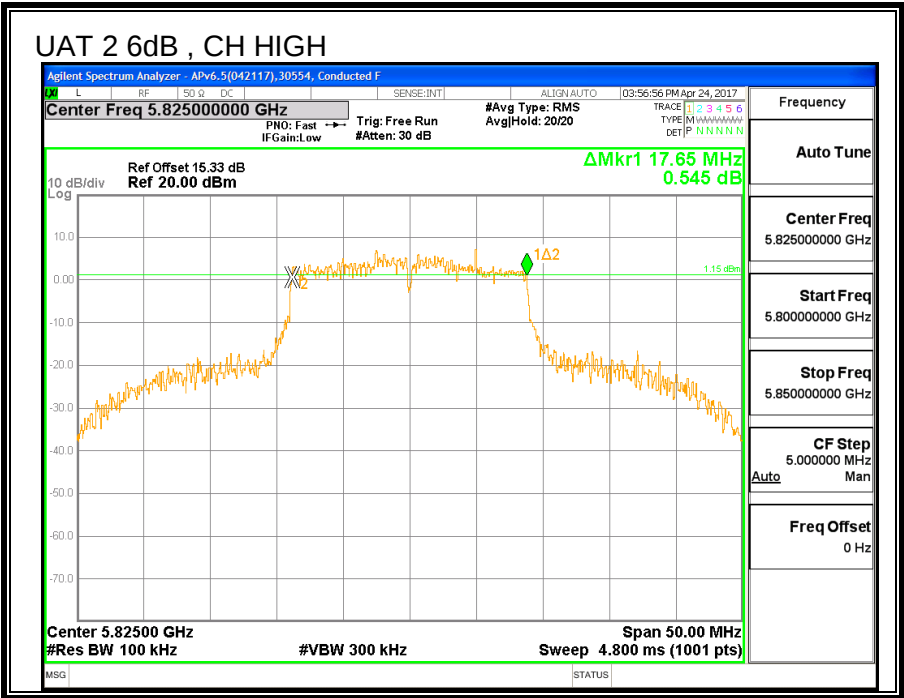
The minimum 6 dB bandwidth shall be at least 500 kHz.

RESULTS

Channel	Frequency	6 dB BW UAT 2 (MHz)	6 dB BW LAT 3 (MHz)	Minimum Limit (MHz)
Low	5745	15.70	17.60	0.5
Mid	5785	16.95	16.90	0.5
High	5825	17.65	15.70	0.5







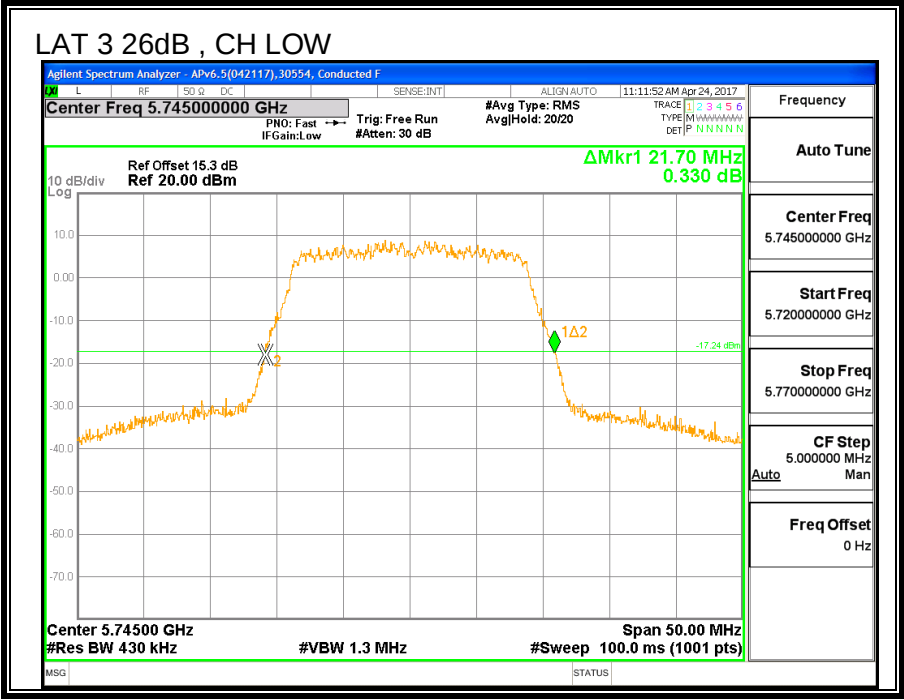
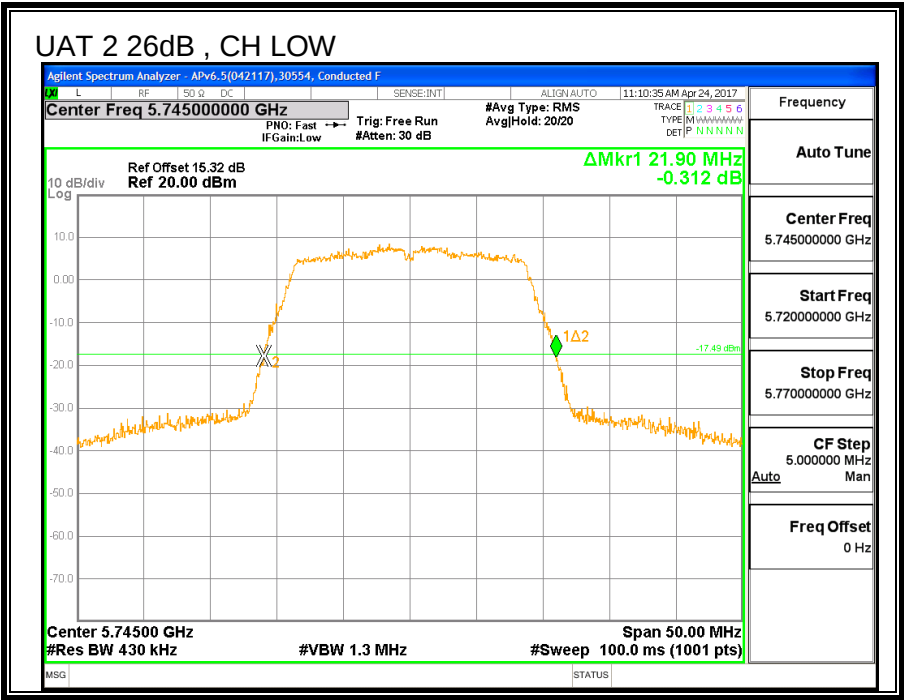
8.36.2. 26 dB BANDWIDTH

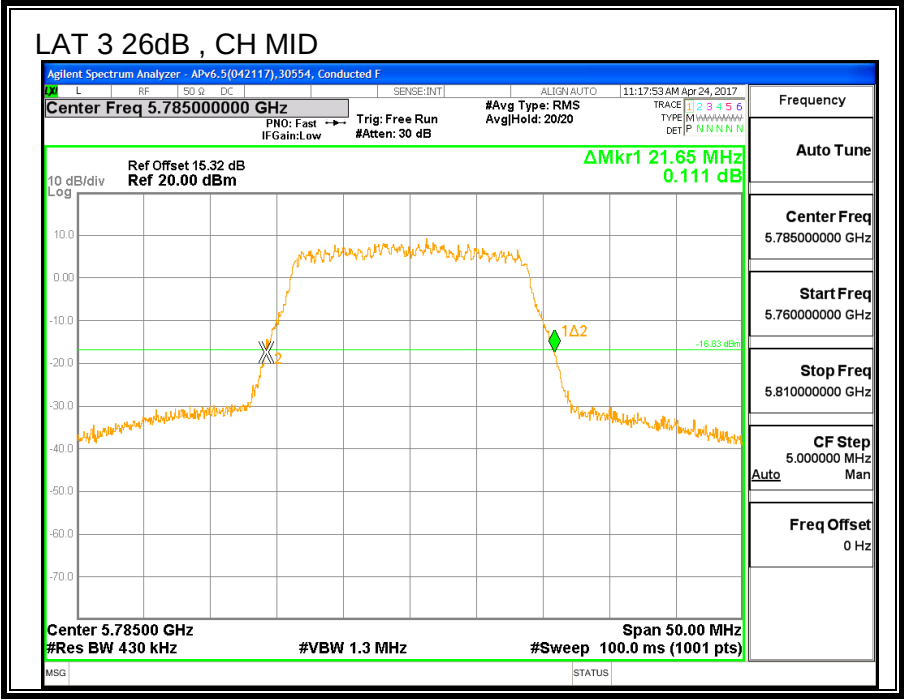
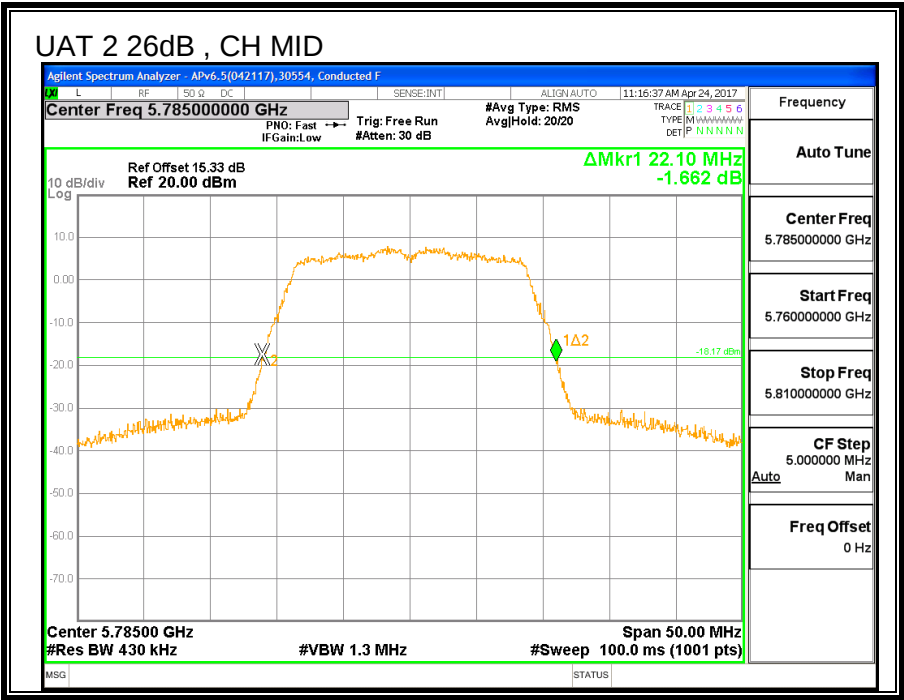
LIMITS

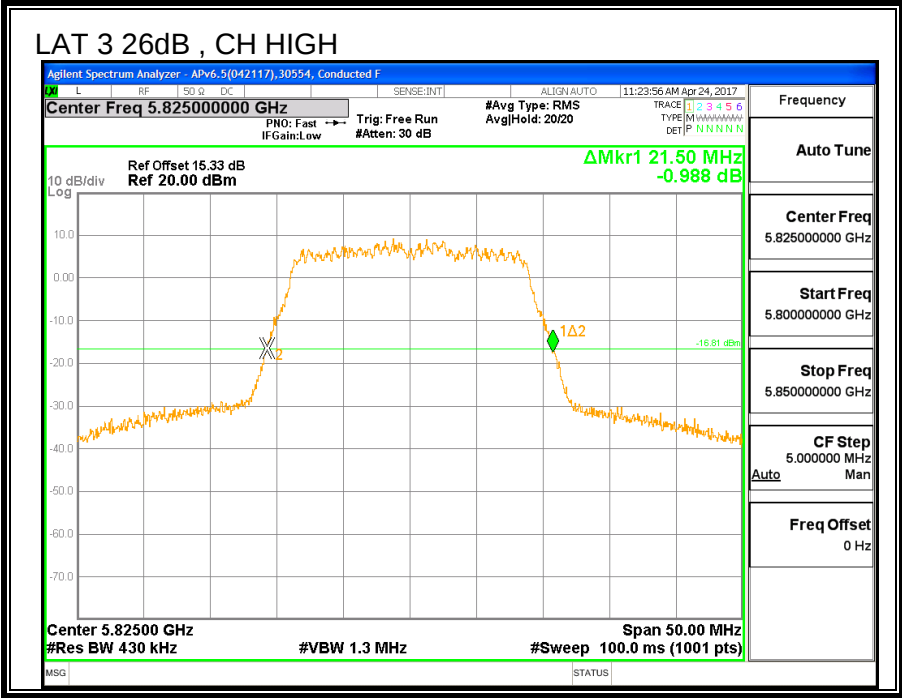
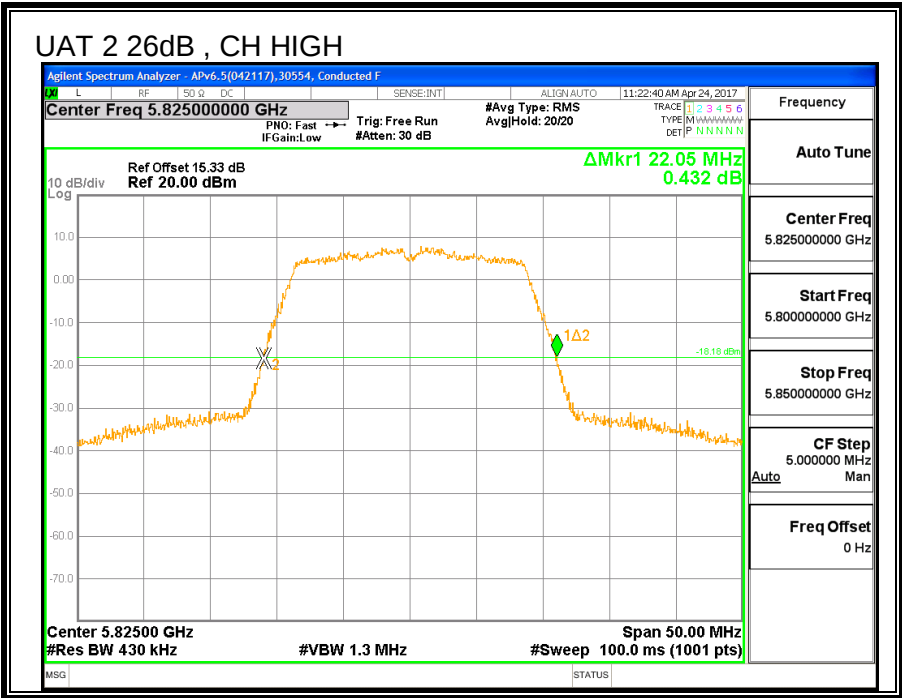
None; for reporting purposes only.

RESULTS

Channel	Frequency	26 dB BW UAT 2 (MHz)	26 dB BW LAT 3 (MHz)
Low	5745	21.90	21.70
Mid	5785	22.10	21.65
High	5825	22.05	21.5







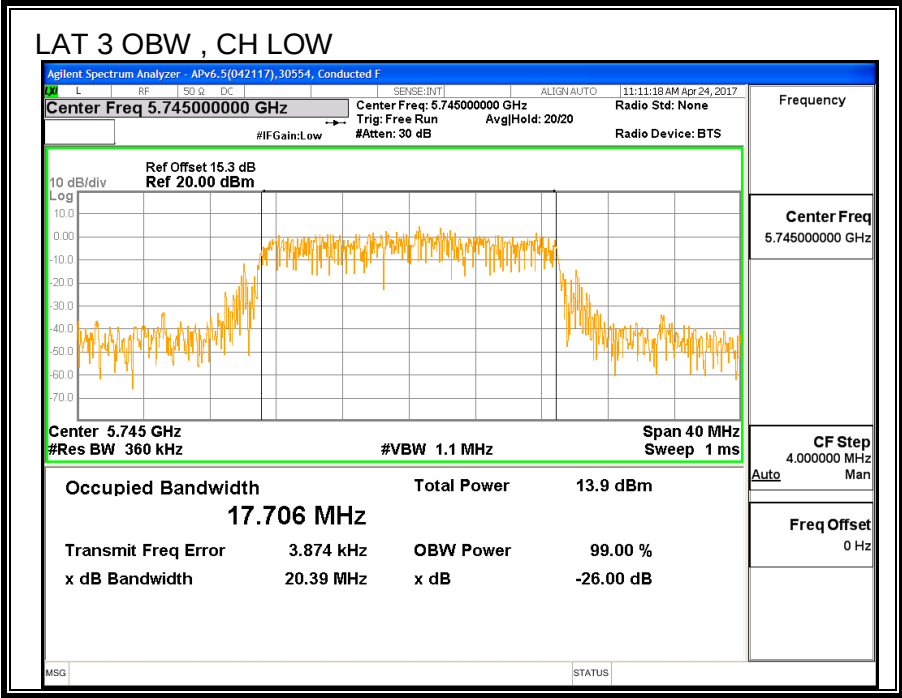
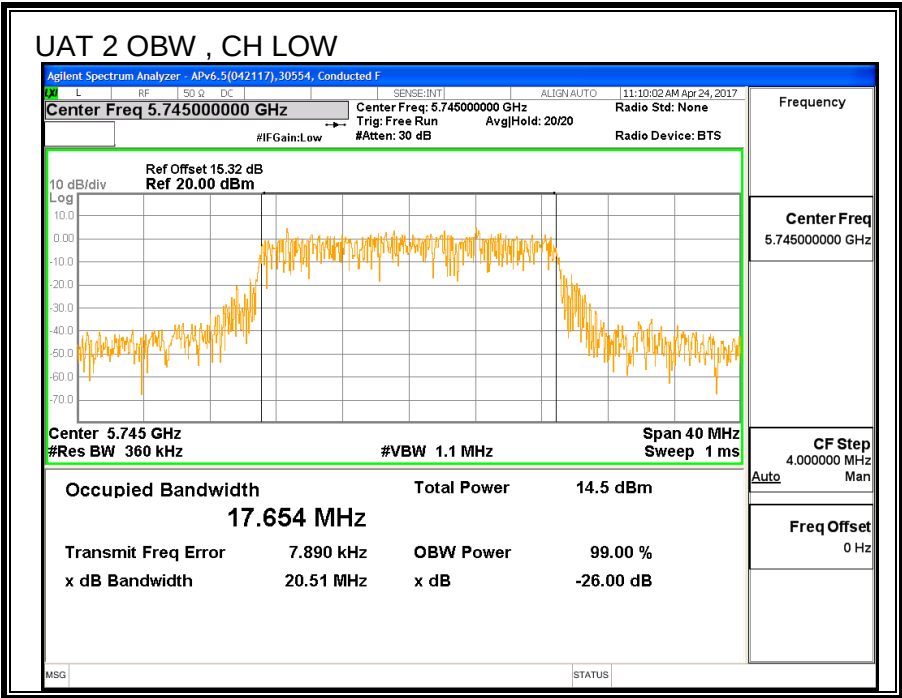
8.36.3. 99% BANDWIDTH

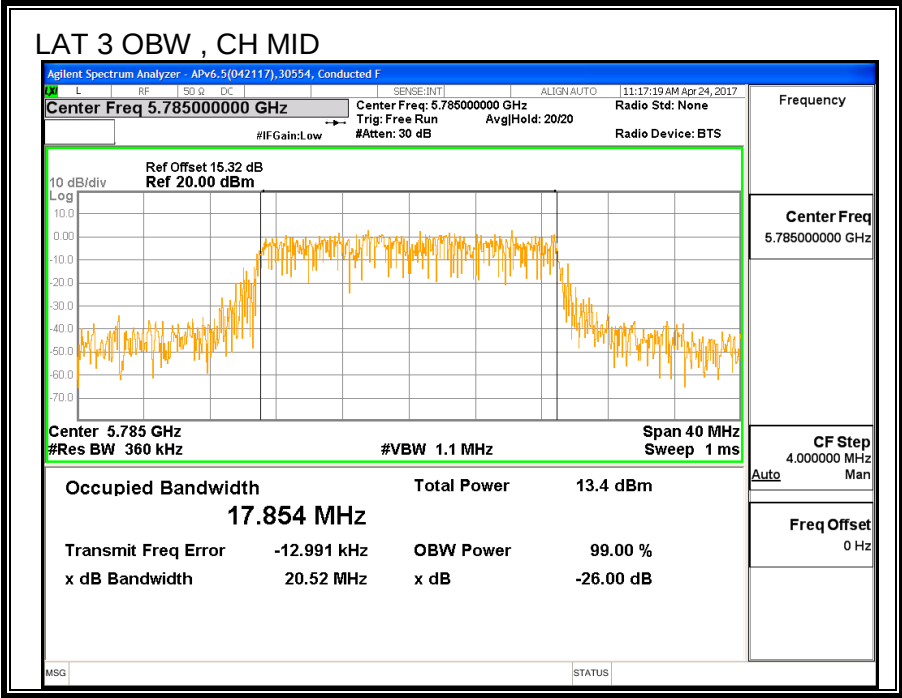
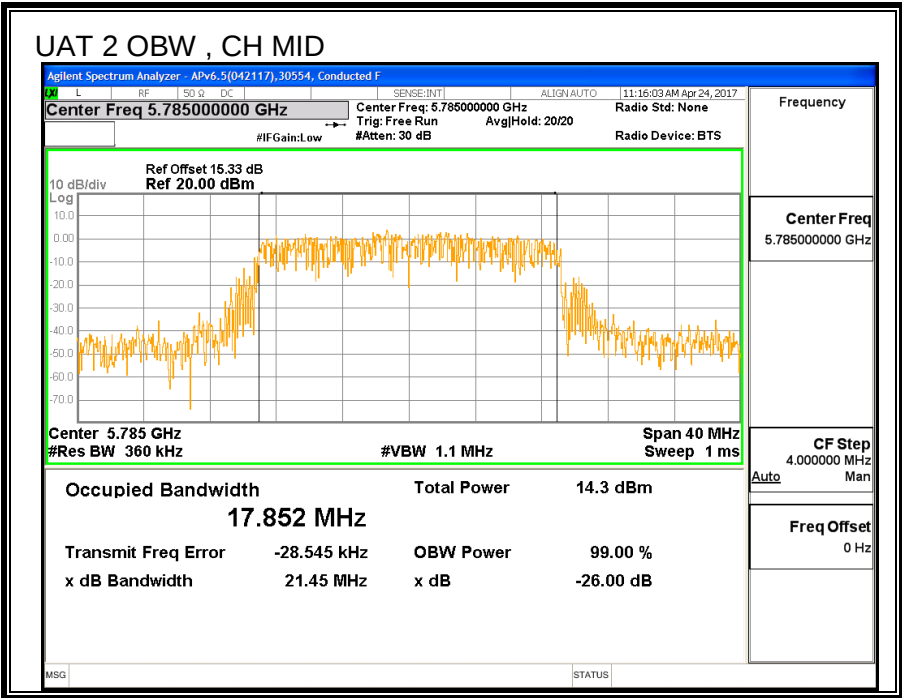
LIMITS

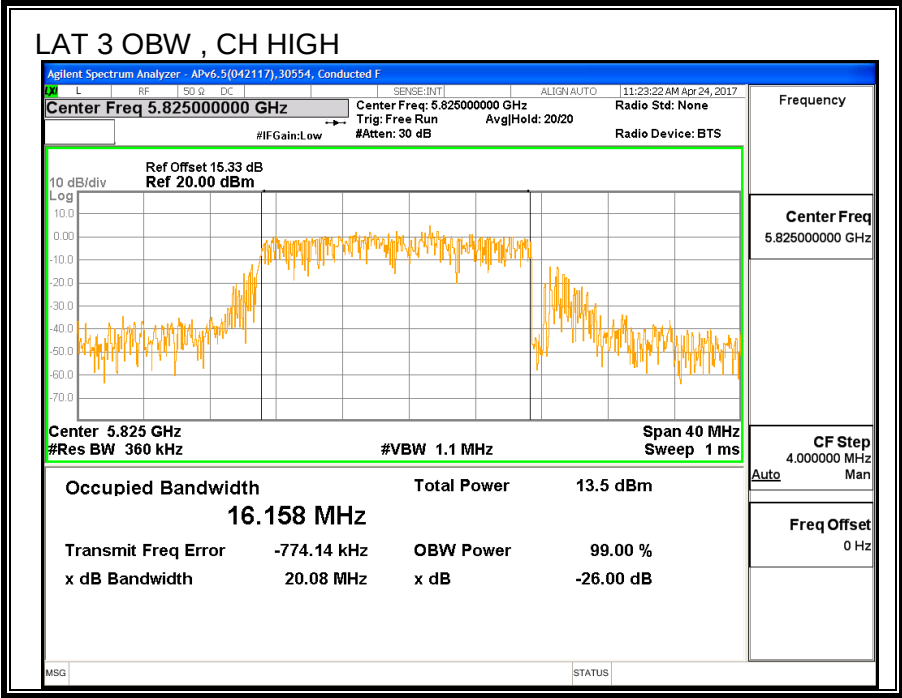
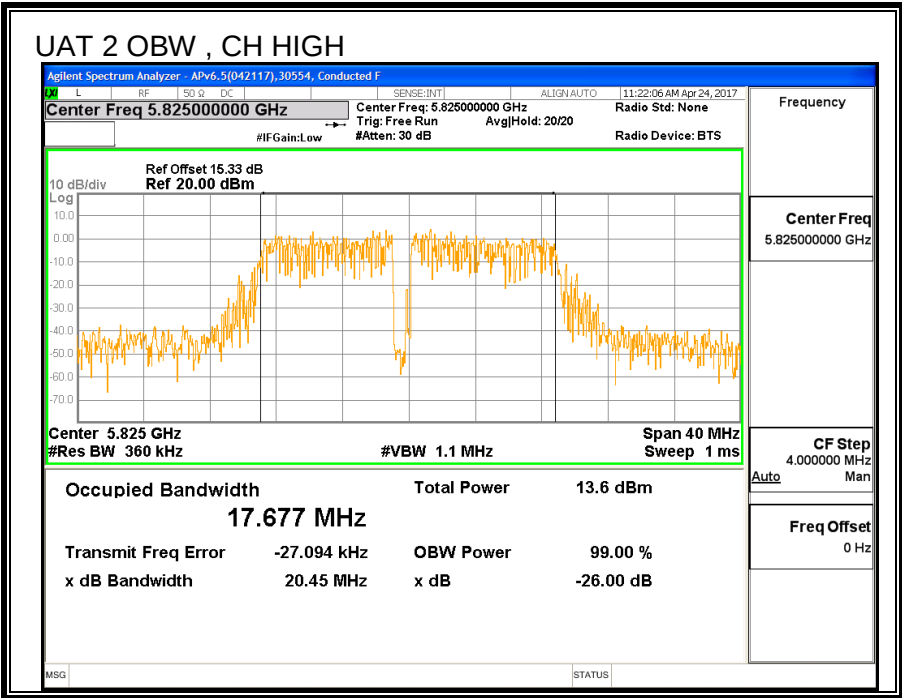
None; for reporting purposes only.

RESULTS

Channel	Frequency	99% BW UAT 2 (MHz)	99% BW LAT 3 (MHz)
Low	5745	17.654	17.706
Mid	5785	17.852	17.854
High	5825	17.677	16.158







8.36.4. AVERAGE POWER

ID:	30554	Date:	7/12/2017
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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	5745	20.83	20.89	23.87
Mid	5785	20.89	20.92	23.92
High	5825	20.78	20.83	23.82

8.36.5. OUTPUT POWER

ID:	30554	Date:	7/12/2017
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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)
-2.61	0.67	-0.67

RESULTS

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)
Low	5745	-0.67	30.00
Mid	5785	-0.67	30.00
High	5825	-0.67	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	5745	20.83	20.89	23.87	30.00	-6.13
Mid	5785	20.89	20.92	23.92	30.00	-6.08
High	5825	20.78	20.83	23.82	30.00	-6.18

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)
-2.61	0.67	2.19

RESULTS

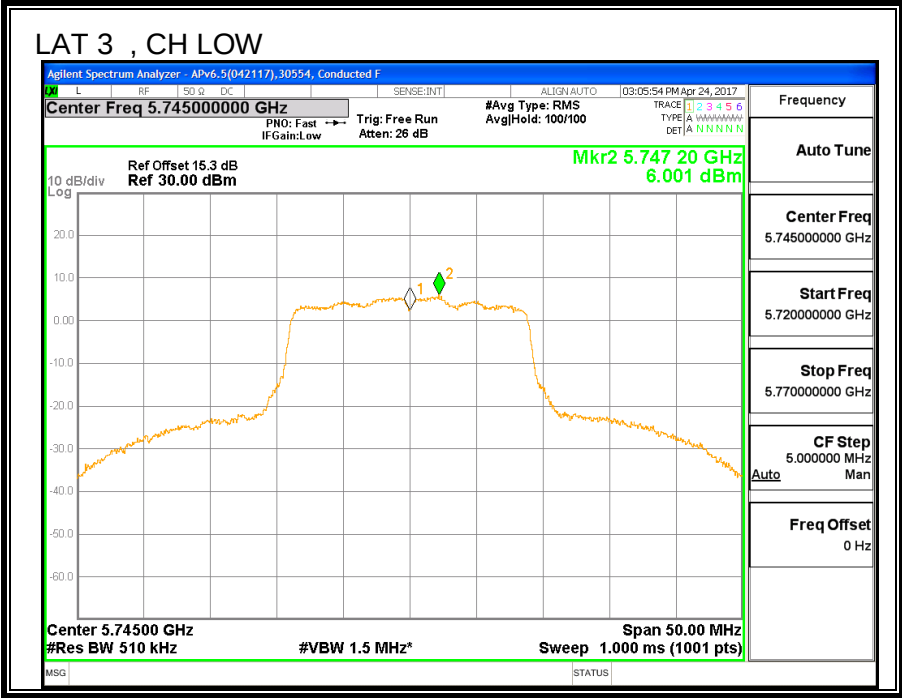
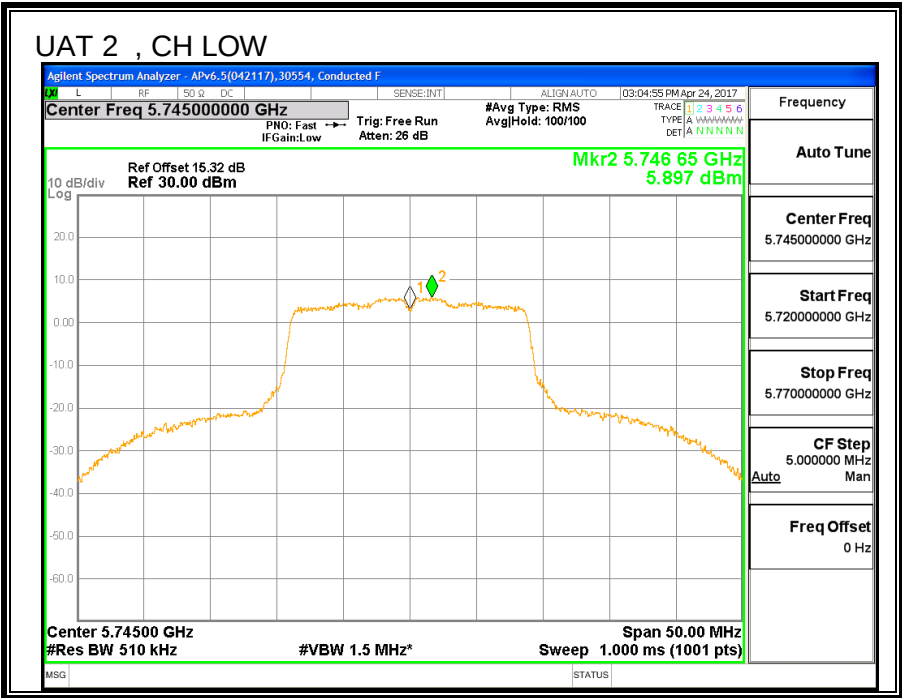
Antenna Gain and Limits

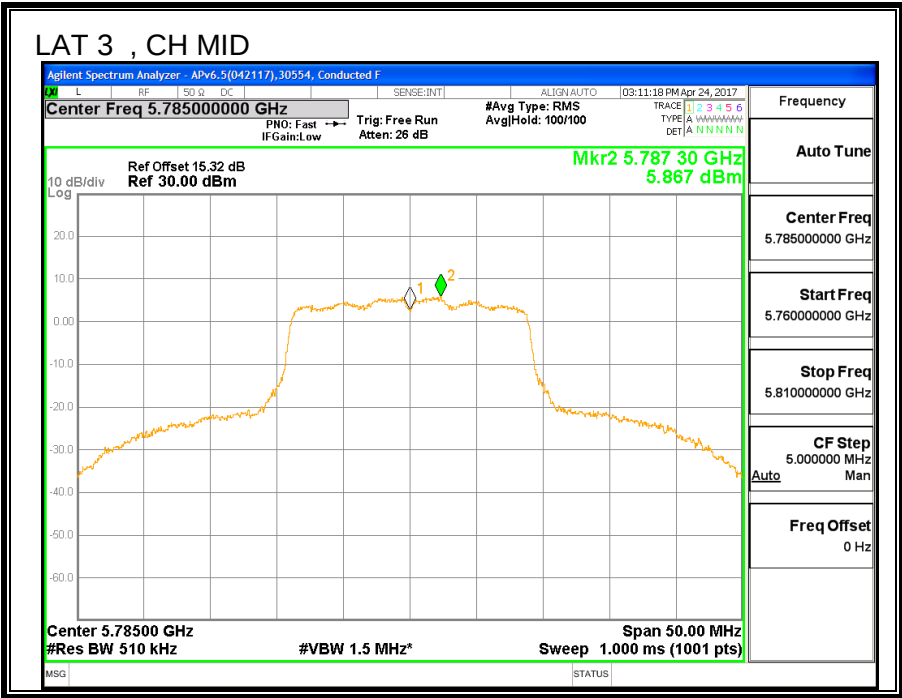
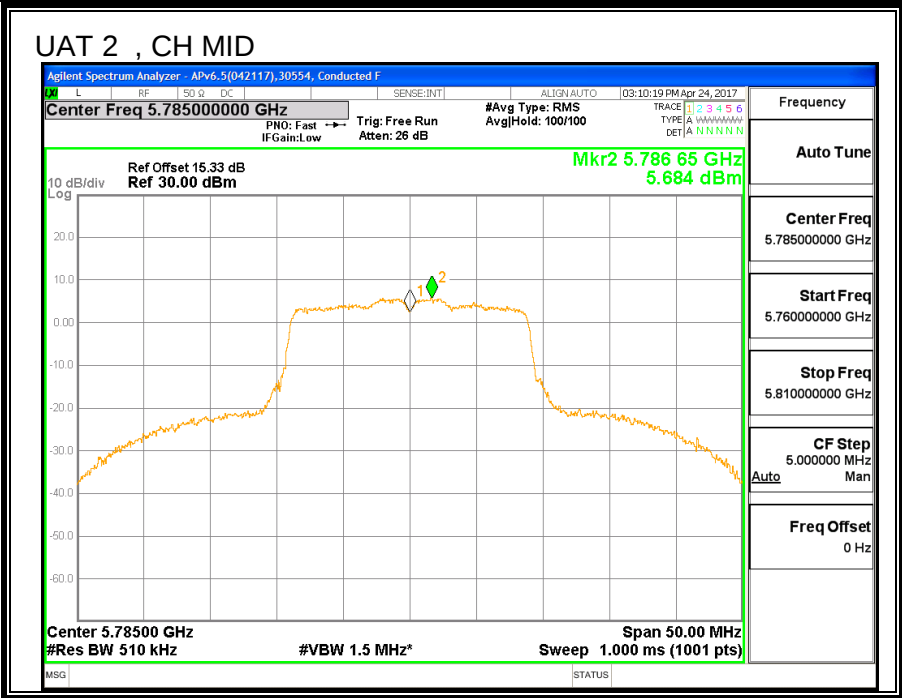
Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm/500H Kz)
Low	5745	2.19	30.00
Mid	5785	2.19	30.00
High	5825	2.19	30.00

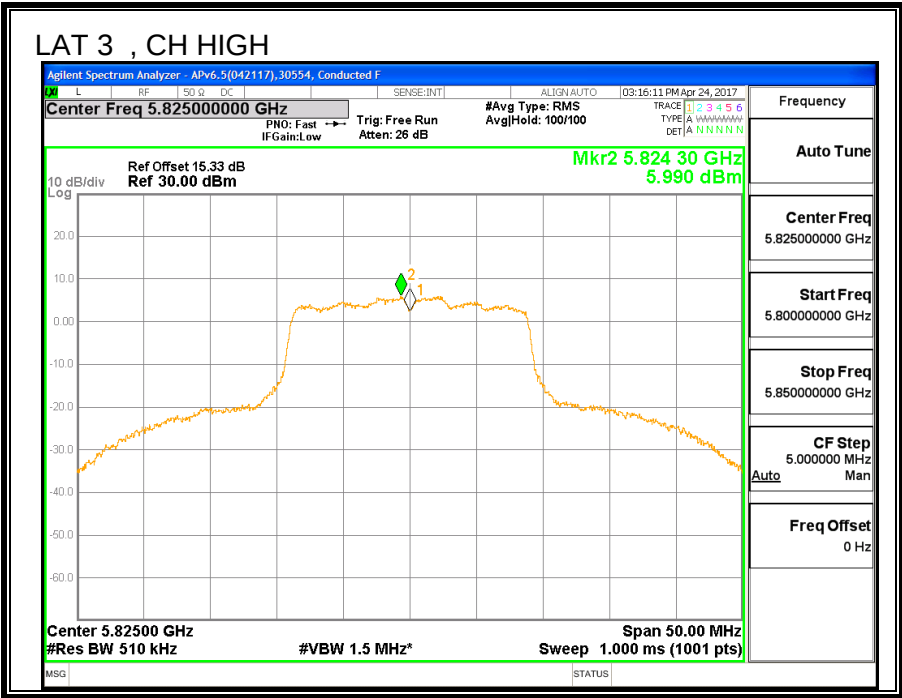
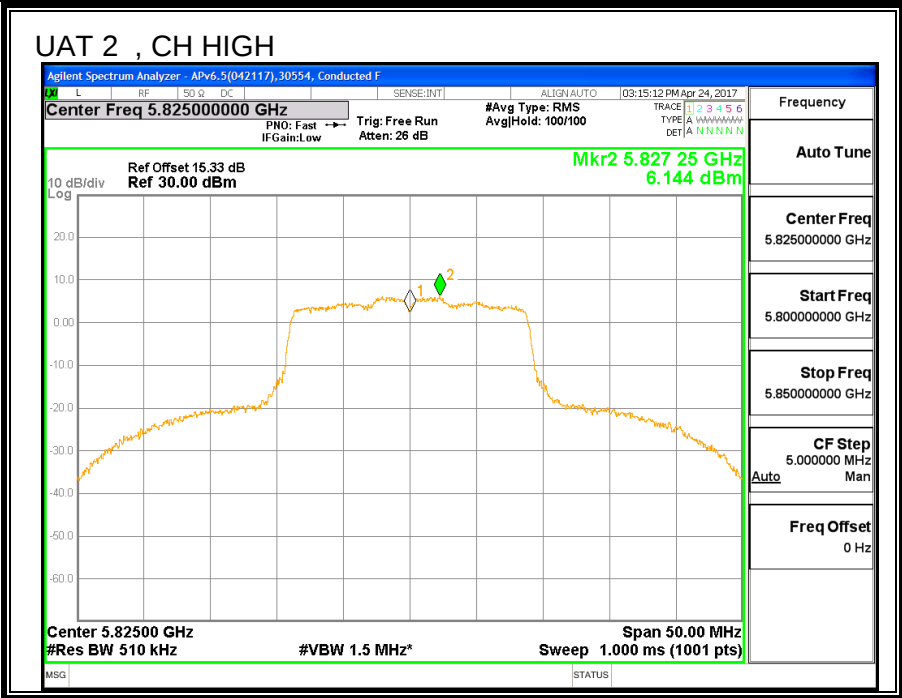
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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PSD Results

Channel	Frequency (MHz)	UAT 2 Meas (dBm/500H Kz)	LAT 3 Meas (dBm/500H Kz)	Total Corr'd (dBm/500H Kz)	PSD Limit (dBm/500H Kz)	PSD Margin (dB)
Low	5745	5.90	6.00	8.96	30.00	-21.04
Mid	5785	5.68	5.87	8.79	30.00	-21.21
High	5825	6.14	5.99	9.08	30.00	-20.92







8.37. 11n HT40 UAT 2 SISO MODE IN THE 5.8GHz BAND

8.37.1. 6 dB BANDWIDTH

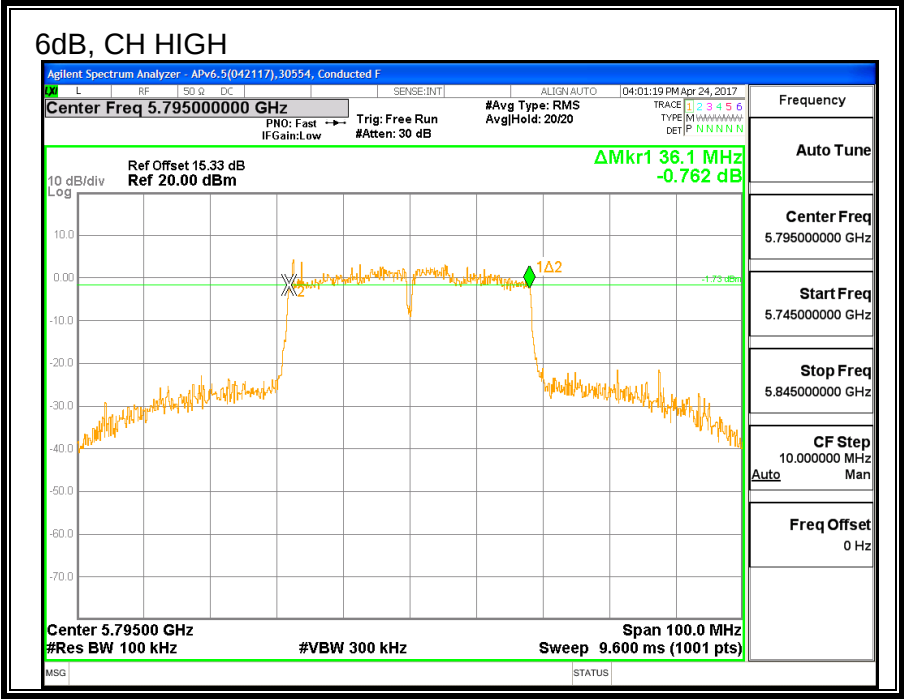
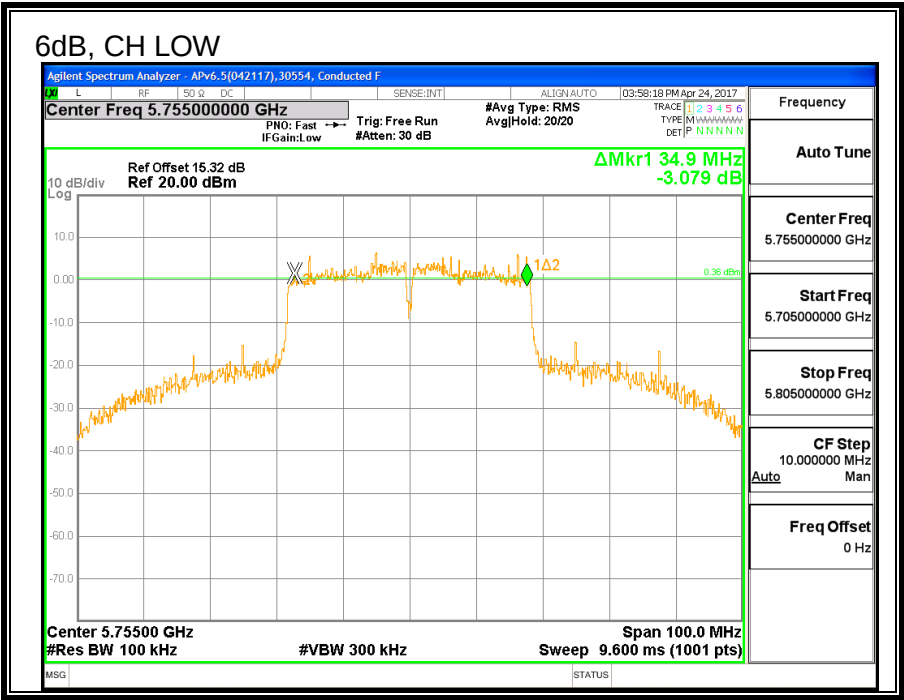
LIMITS

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)
Low	5755	34.9	0.5
High	5795	36.1	0.5



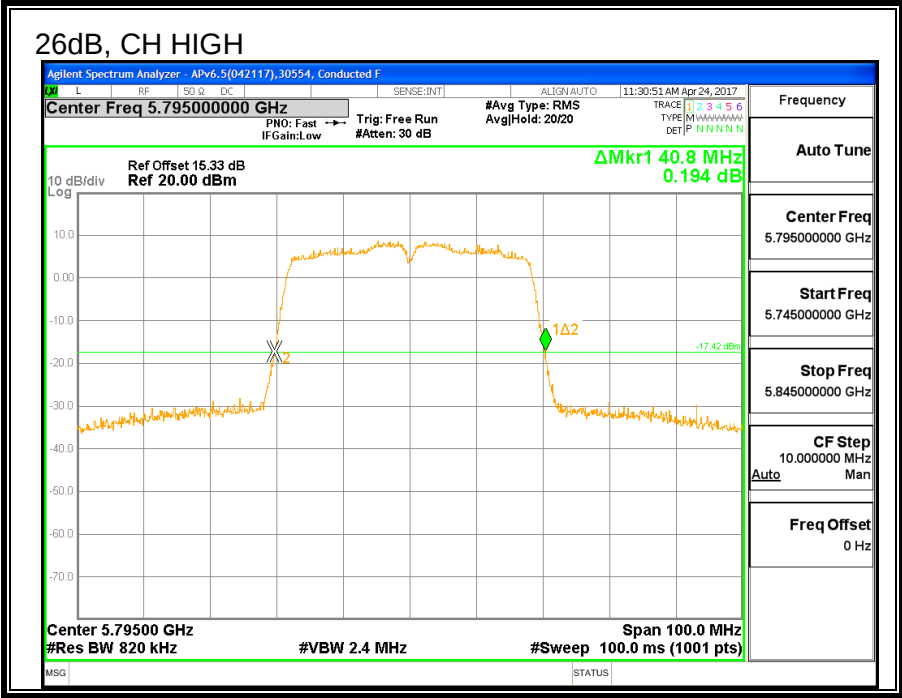
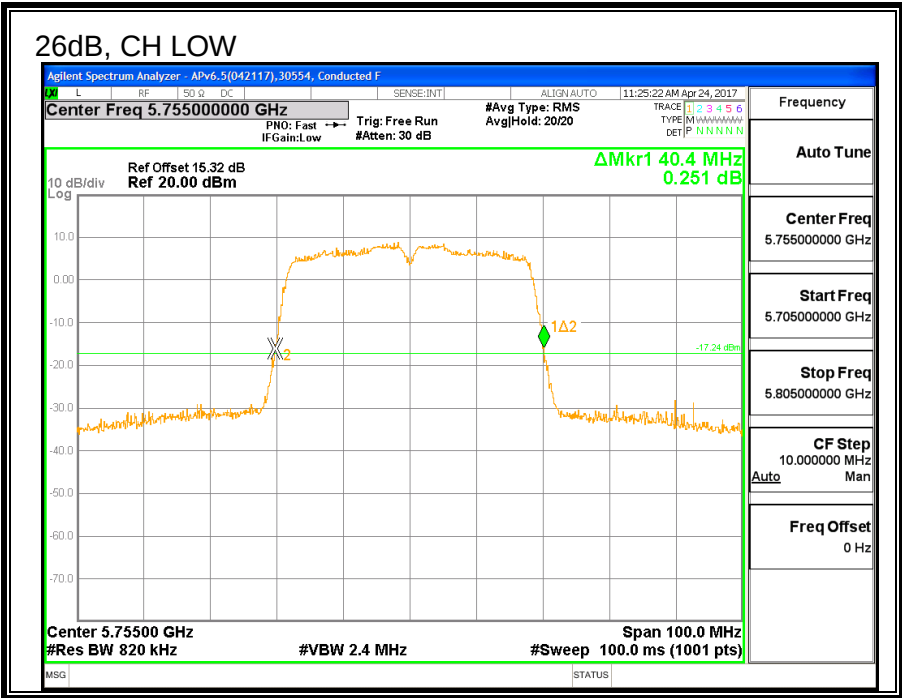
8.37.2. 26 dB BANDWIDTH

LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency	26 dB BW UAT 2 (MHz)
Low	5755	40.4
High	5795	40.8



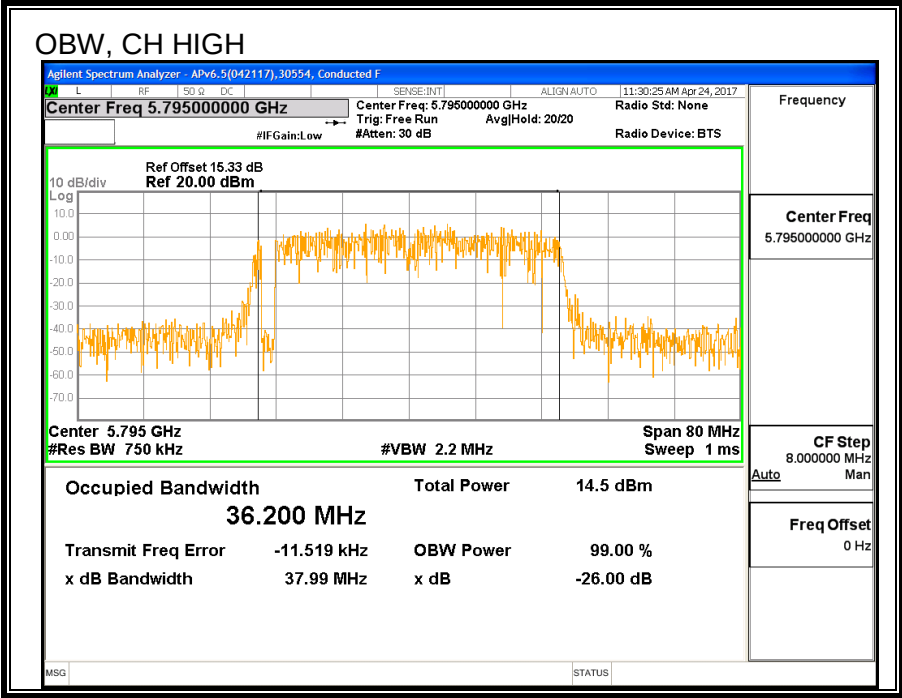
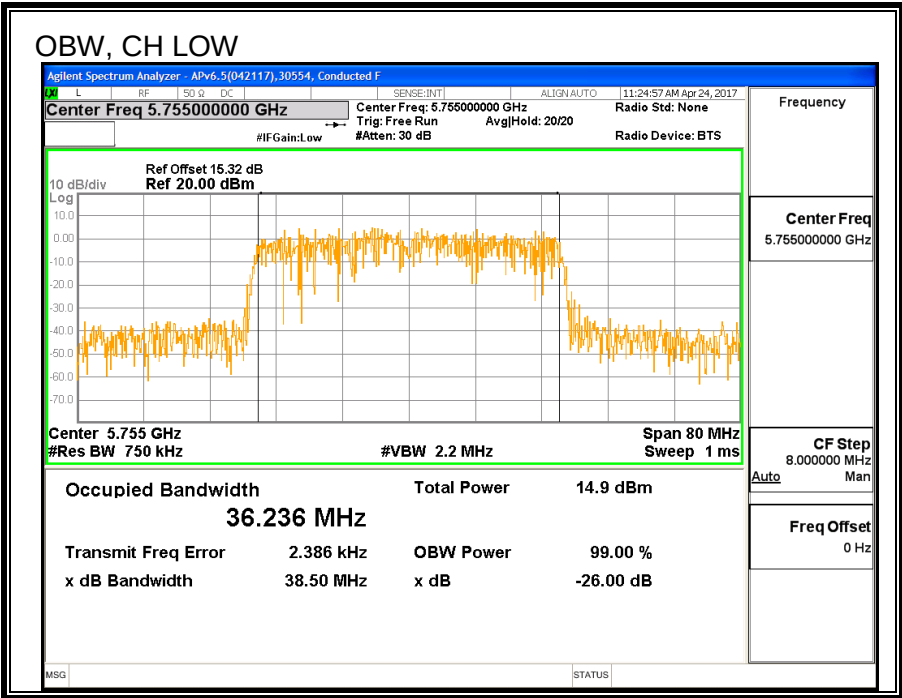
8.37.3. 99% BANDWIDTH

LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency	99% BW UAT 2 (MHz)
Low	5755	36.236
High	5795	36.200



8.37.4. AVERAGE POWER

ID:	30554	Date:	7/12/2017
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LIMITS

None; for reporting purposes only.

TEST PROCEDURE

Measurements perform using a wideband gated RF power meter.

RESULTS

Channel	Frequency	Power UAT 2 (dBm)
Low	5755	19.28
High	5795	19.41

8.37.5. OUTPUT POWER

ID:	30554	Date:	7/12/2017
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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)
Low	5755	-2.61	30.00
High	5795	-2.61	30.00

Output Power Results

Channel	Frequency (MHz)	UAT 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	19.28	19.28	30.00	-10.72
High	5795	19.41	19.41	30.00	-10.59

8.37.6. 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

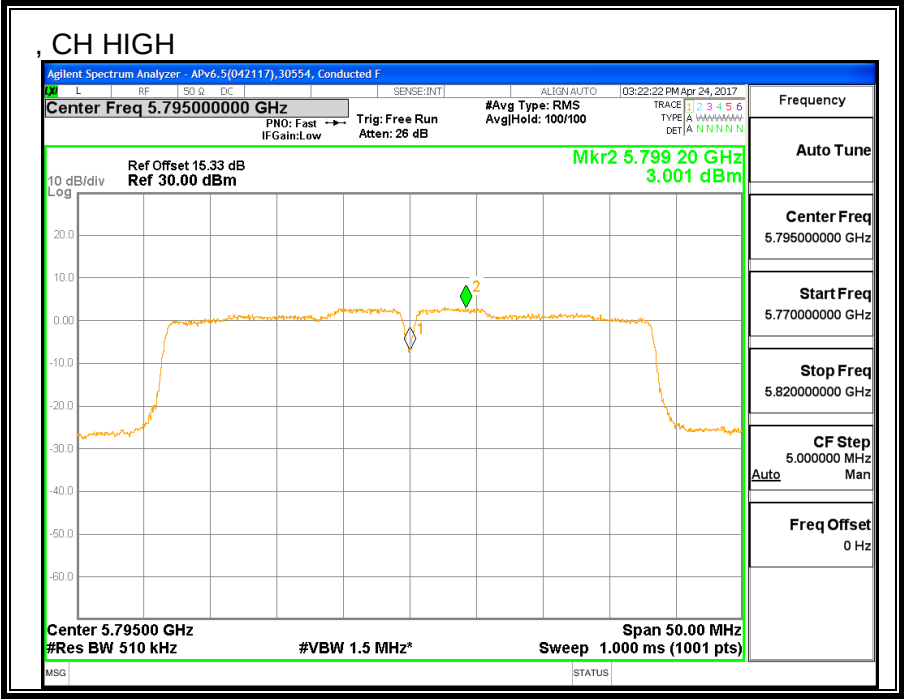
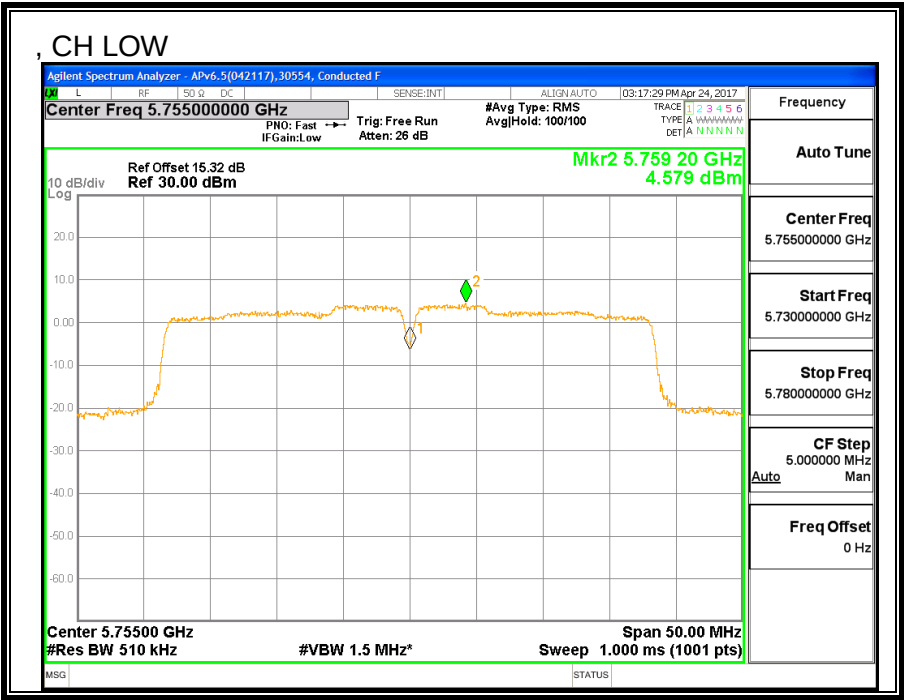
Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm/500H Kz)
Low	5755	-2.61	30.00
High	5795	-2.61	30.00

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

Channel	Frequency (MHz)	UAT 2 Meas (dBm/500H Kz)	Total Corr'd (dBm/500H Kz)	PSD Limit (dBm/500H Kz)	PSD Margin (dB)
Low	5755	4.58	4.68	30.00	-25.32
High	5795	3.00	3.10	30.00	-26.90



8.38. 11n HT40 LAT 3 SISO MODE IN THE 5.8GHz BAND

8.38.1. 6 dB BANDWIDTH

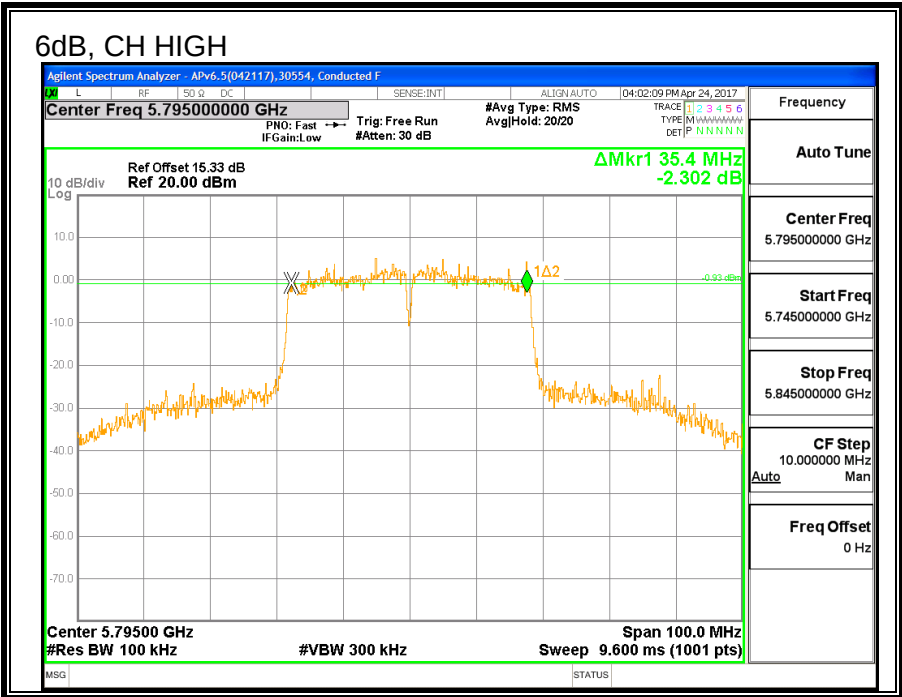
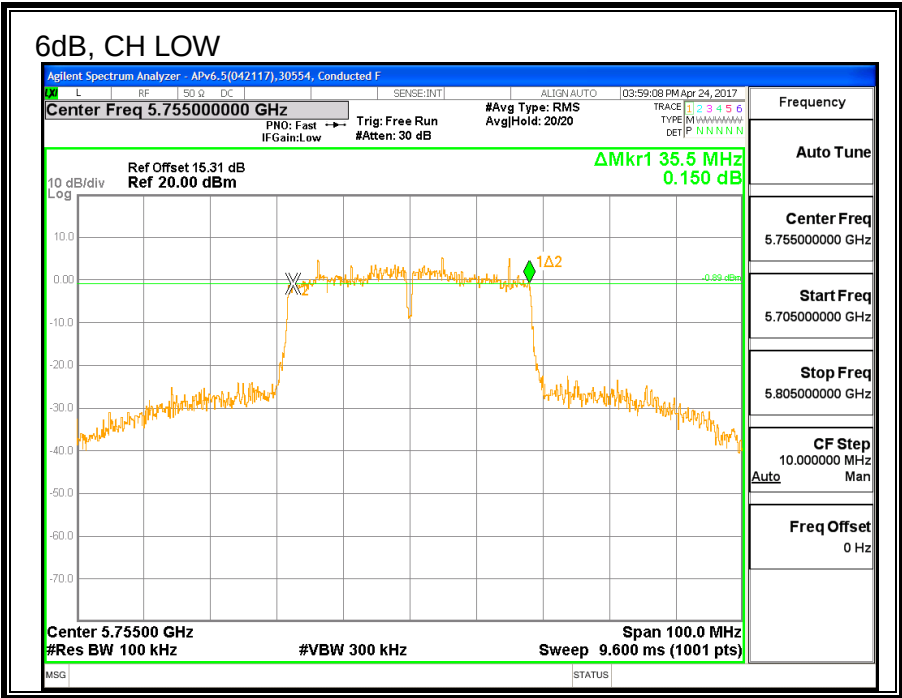
LIMITS

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)
Low	5755	35.5	0.5
High	5795	35.4	0.5



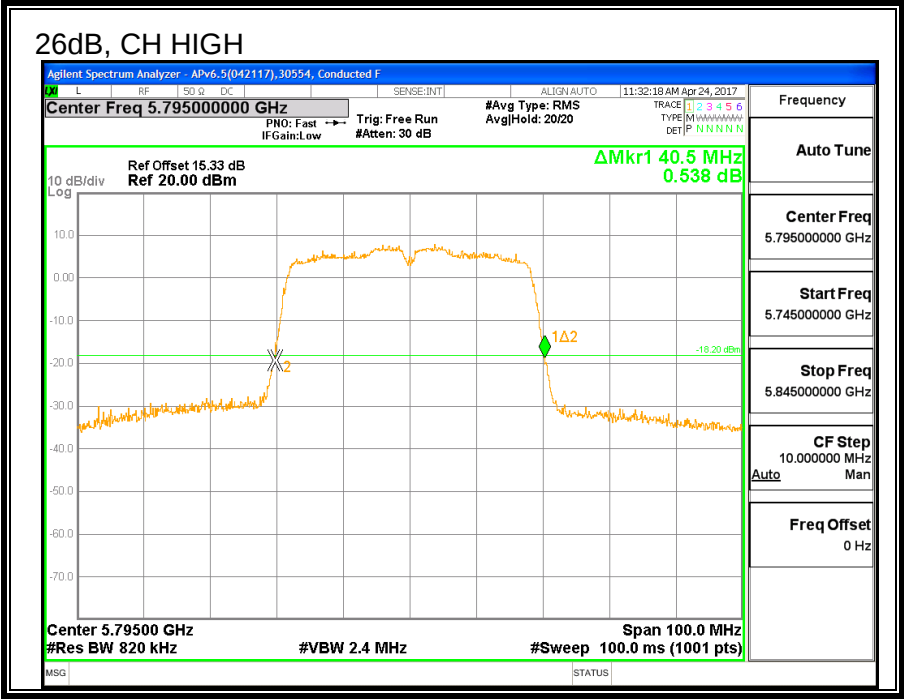
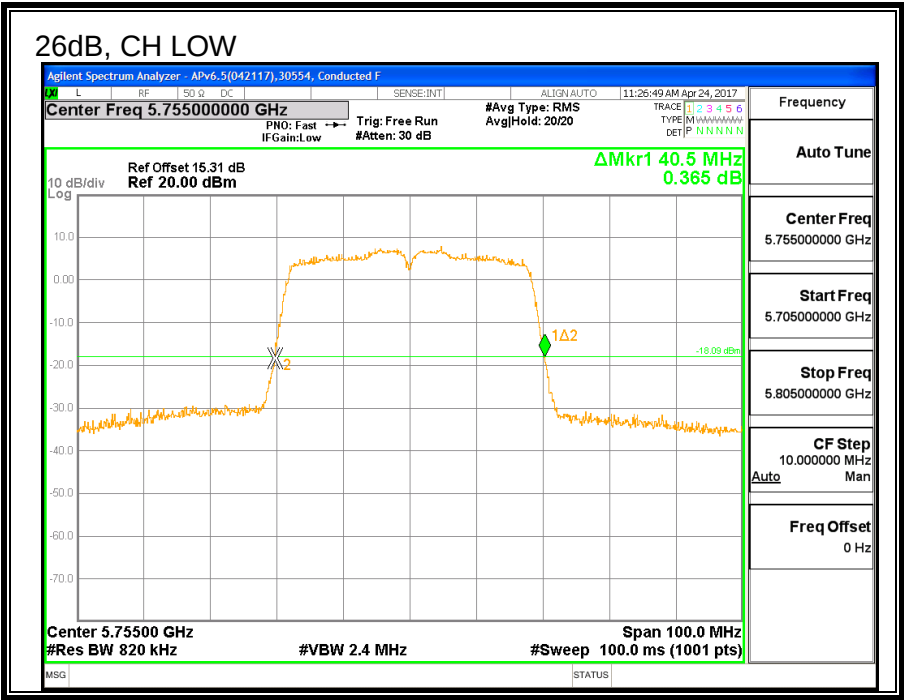
8.38.2. 26 dB BANDWIDTH

LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency	26 dB BW LAT 3 (MHz)
Low	5755	40.5
High	5795	40.5



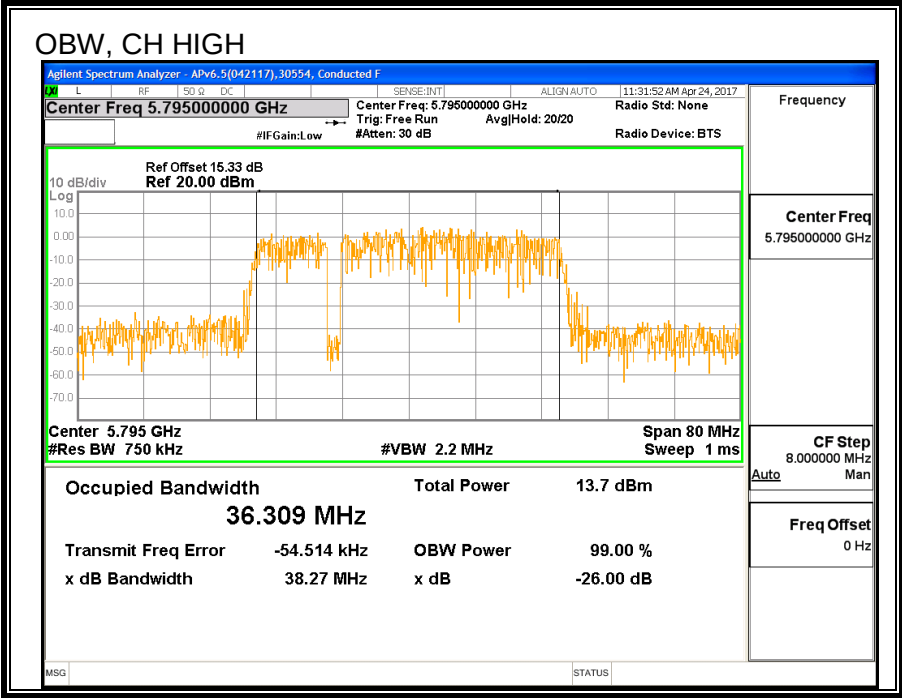
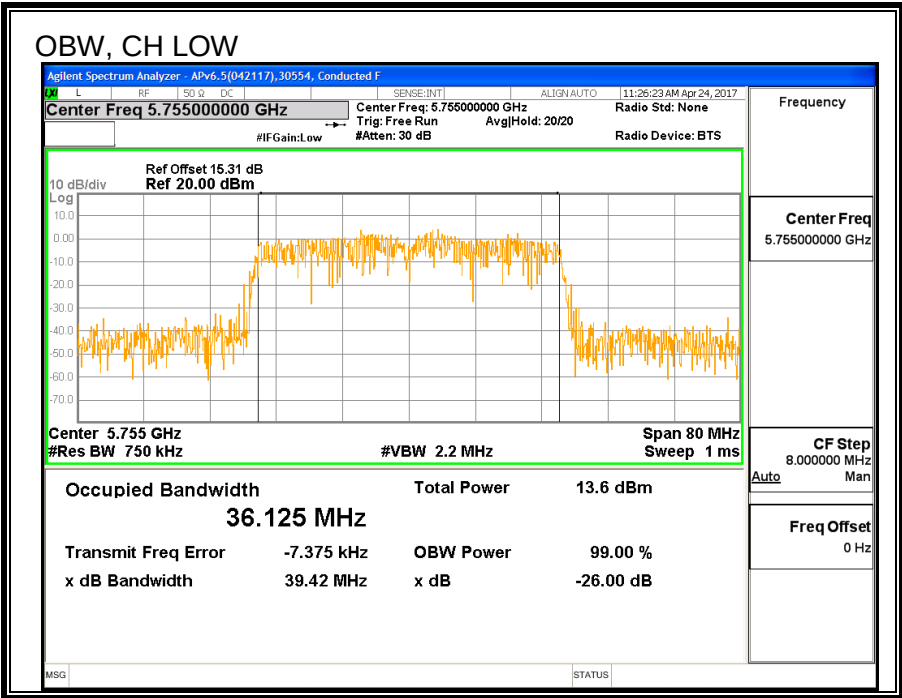
8.38.3. 99% BANDWIDTH

LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency	99% BW LAT 3 (MHz)
Low	5755	36.125
High	5795	36.309



8.38.4. AVERAGE POWER

ID:	30554	Date:	7/12/2017
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LIMITS

None; for reporting purposes only.

TEST PROCEDURE

Measurements perform using a wideband gated RF power meter.

RESULTS

Channel	Frequency	Power LAT 3 (dBm)
Low	5755	19.47
High	5795	19.33

8.38.5. OUTPUT POWER

ID:	30554	Date:	7/12/2017
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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)
Low	5755	0.67	30.00
High	5795	0.67	30.00

Output Power Results

Channel	Frequency (MHz)	LAT 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	19.47	19.47	30.00	-10.53
High	5795	19.33	19.33	30.00	-10.67

8.38.6. 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

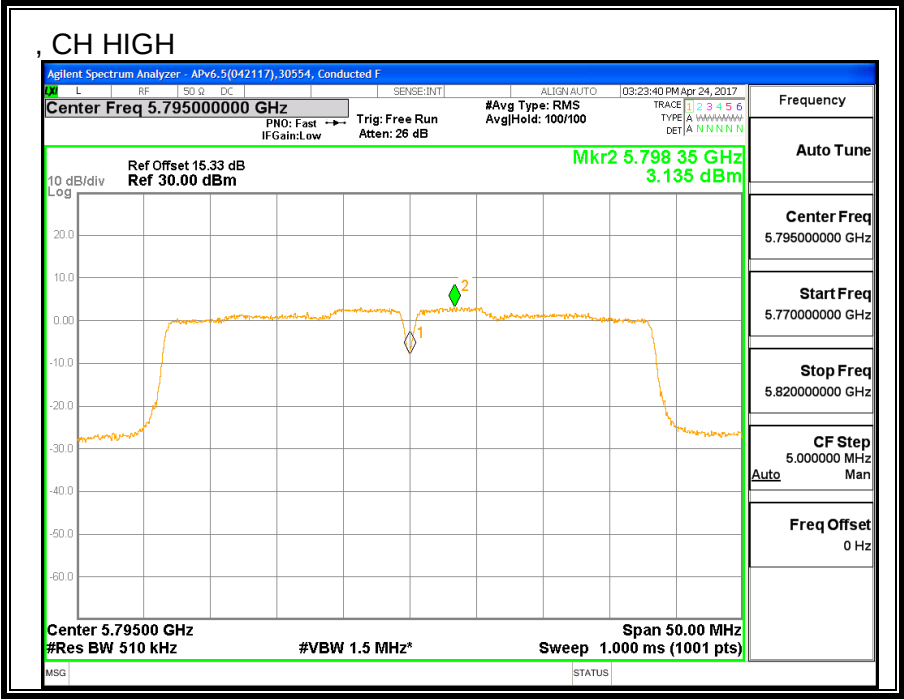
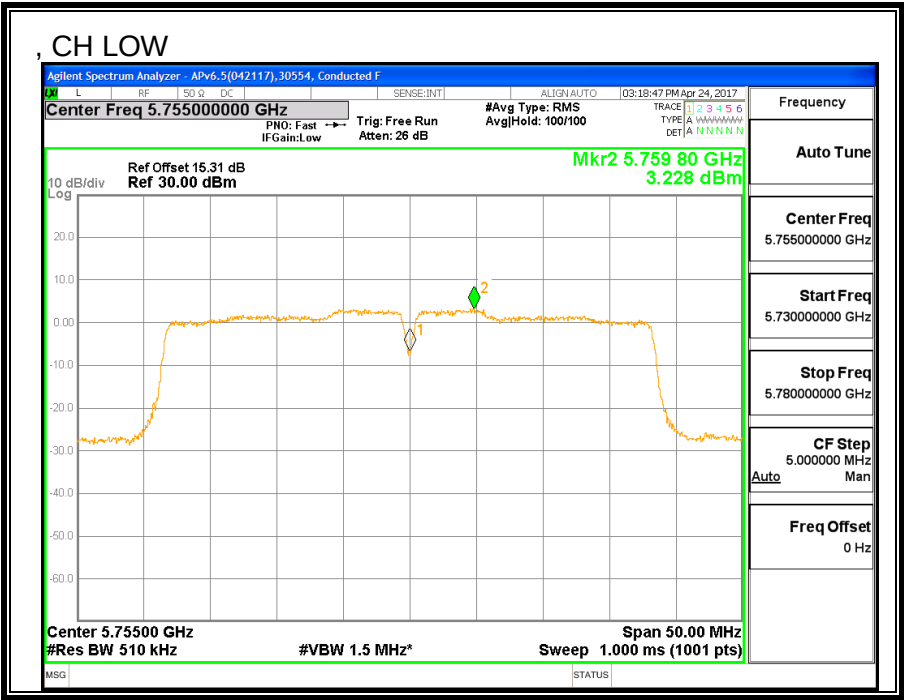
Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm/500H Kz)
Low	5755	0.67	30.00
High	5795	0.67	30.00

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

Channel	Frequency (MHz)	LAT 3 Meas (dBm/500H Kz)	Total Corr'd (dBm/500H Kz)	PSD Limit (dBm/500H Kz)	PSD Margin (dB)
Low	5755	3.23	3.33	30.00	-26.67
High	5795	3.14	3.24	30.00	-26.77



8.39. 11n HT40 2TX CDD MIMO MODE IN THE 5.8GHz BAND

8.39.1. 6 dB BANDWIDTH

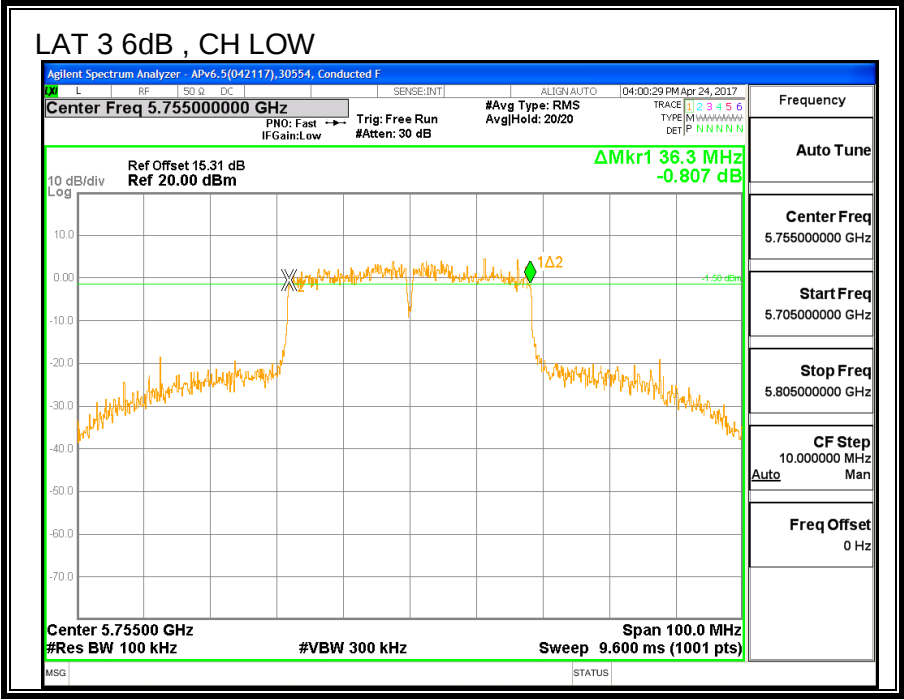
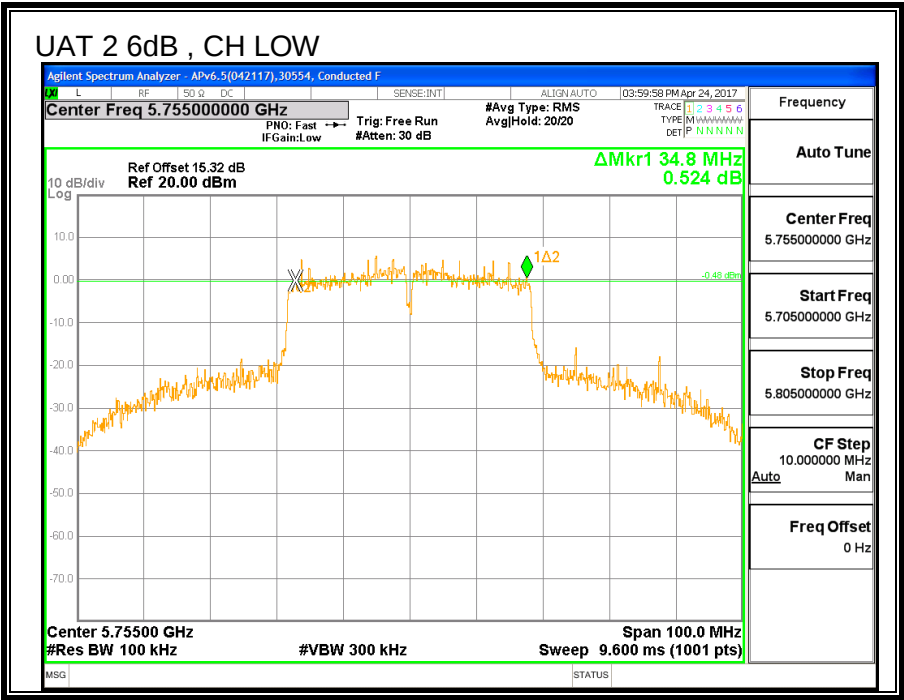
LIMITS

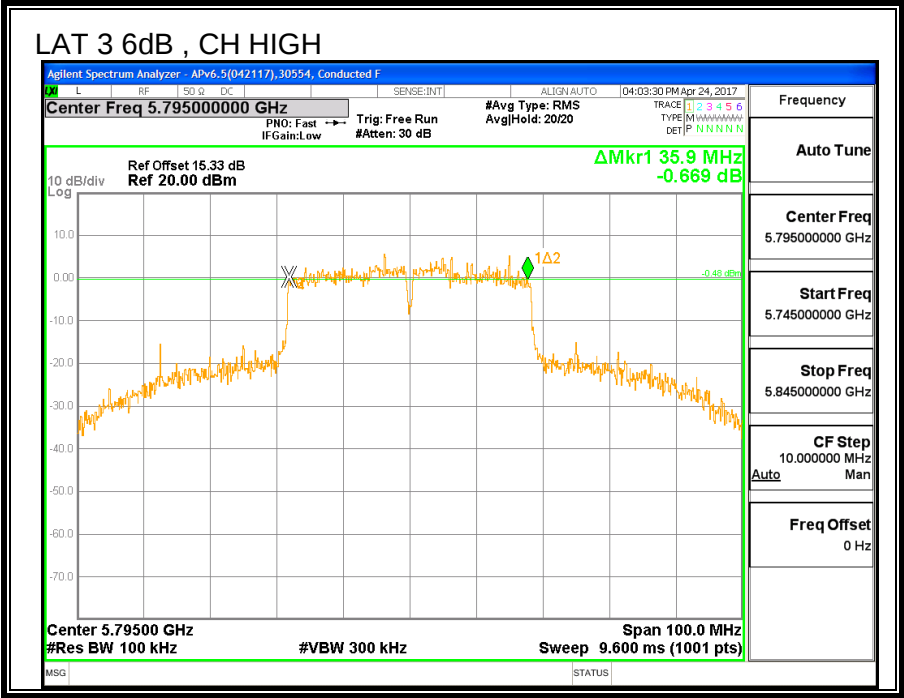
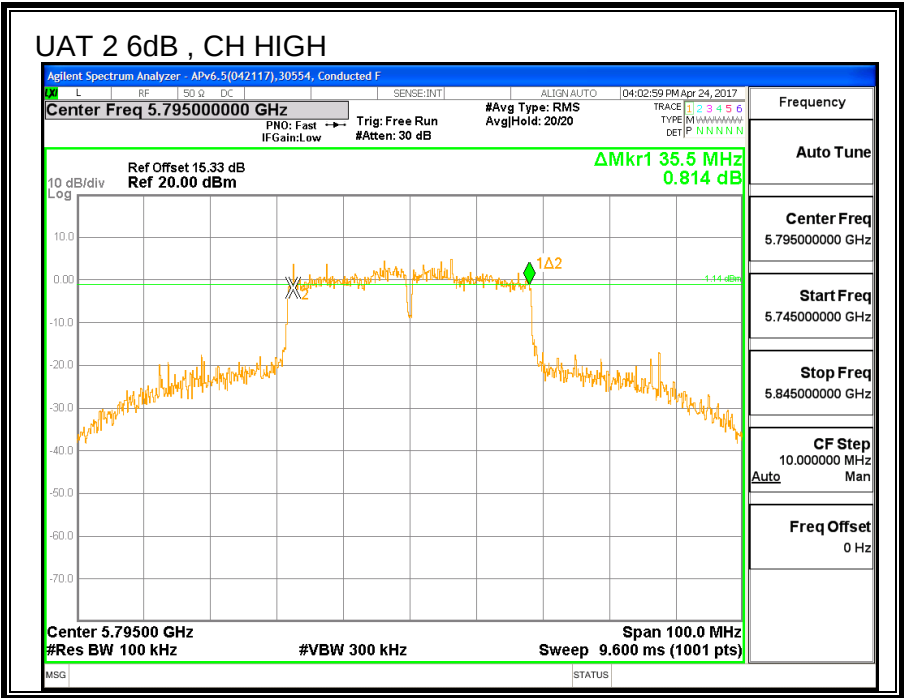
FCC §15.407 (e)

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	34.8	36.3	0.5
High	5795	35.5	35.9	0.5





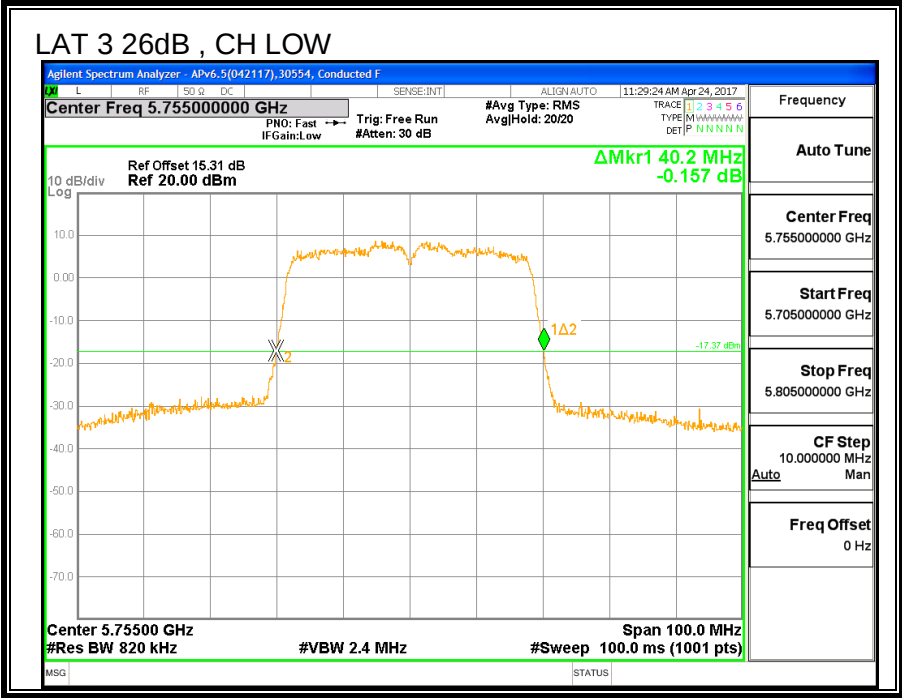
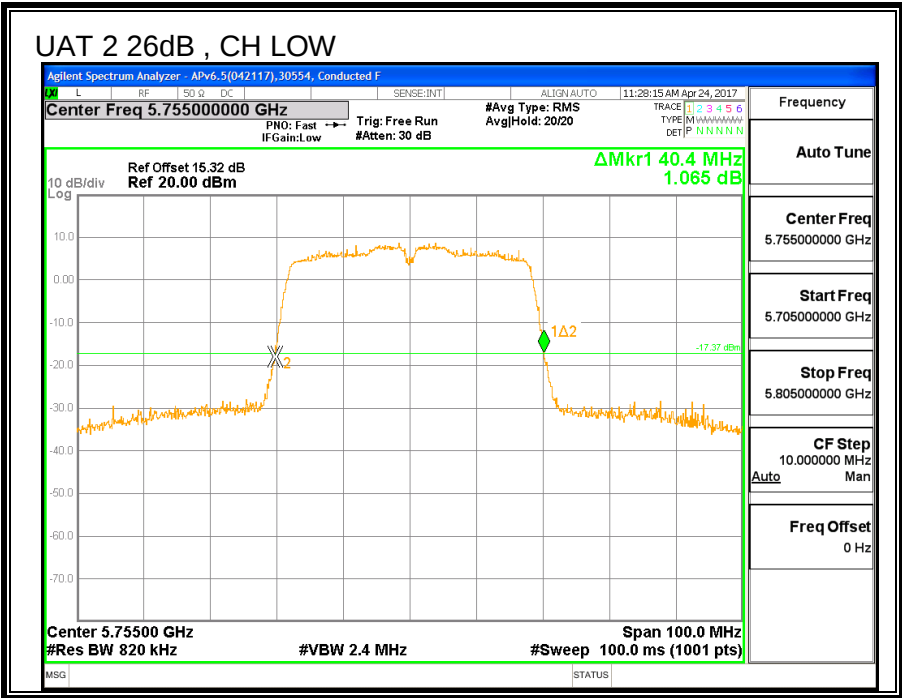
8.39.2. 26 dB BANDWIDTH

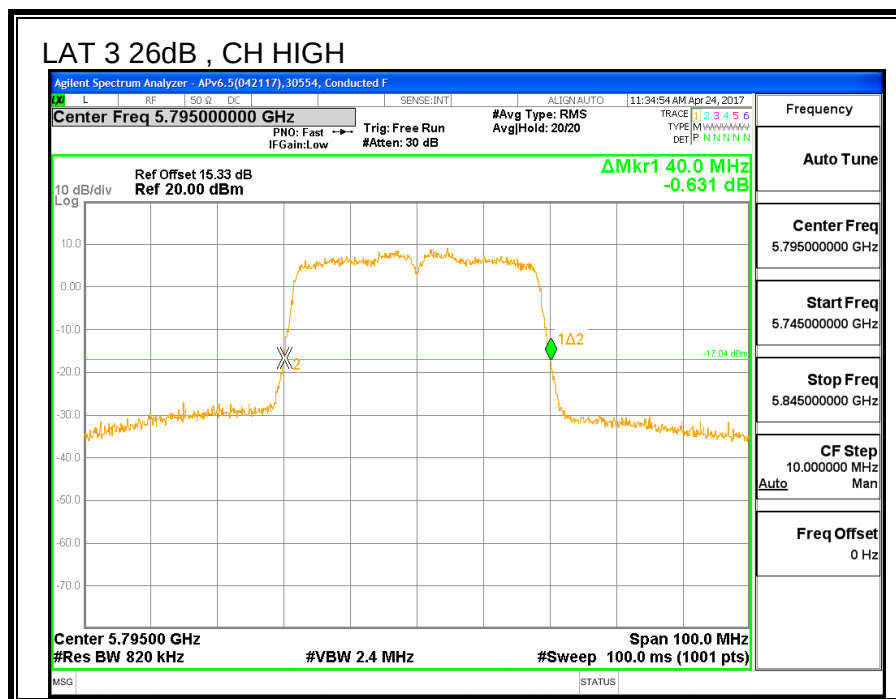
LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency	26 dB BW UAT 2 (MHz)	26 dB BW LAT 3 (MHz)
Low	5755	40.4	40.2
High	5795	40.6	40.0





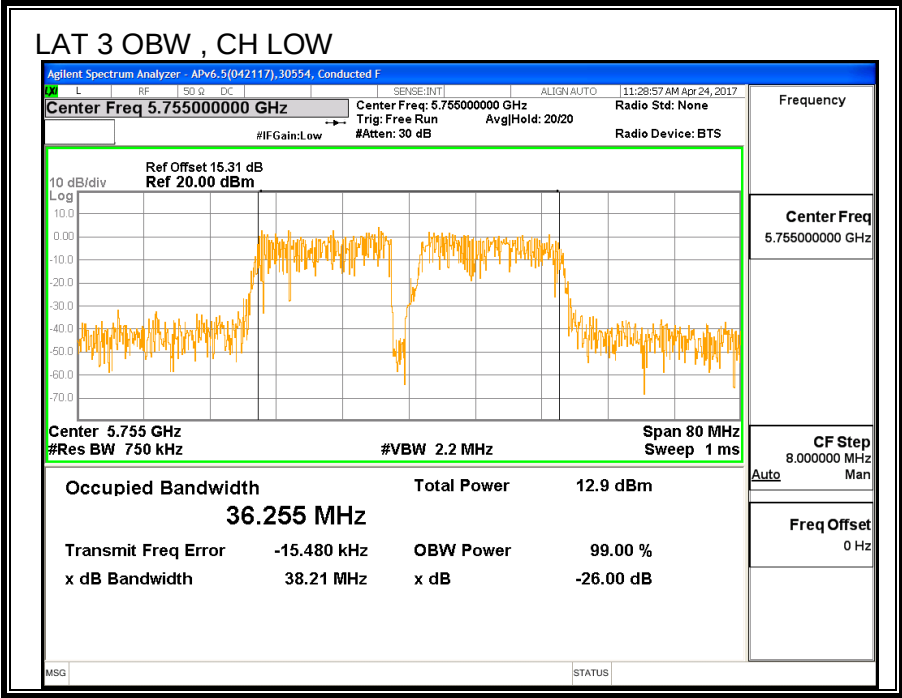
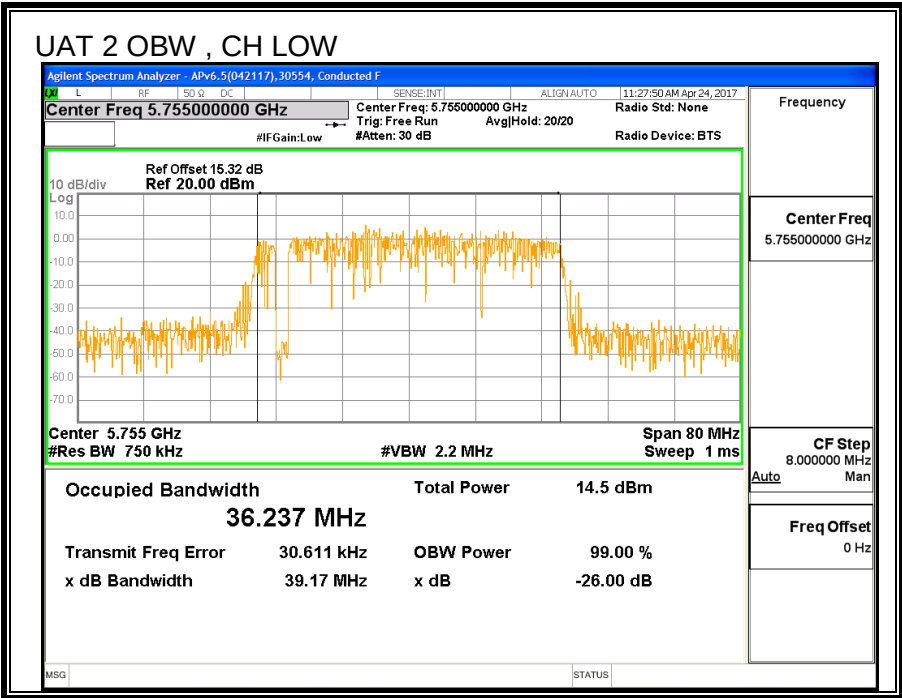
8.39.3. 99% BANDWIDTH

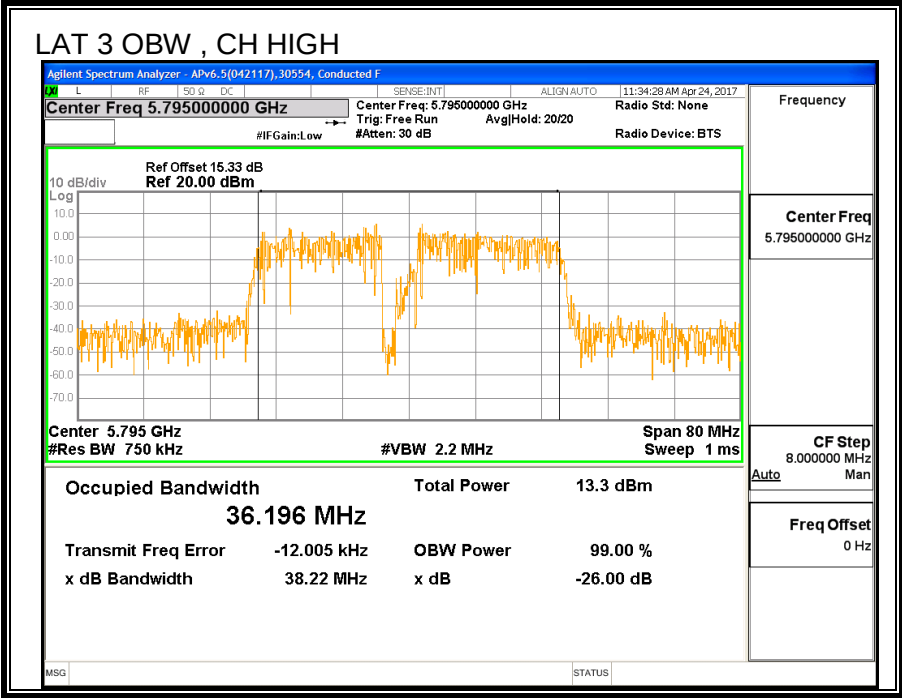
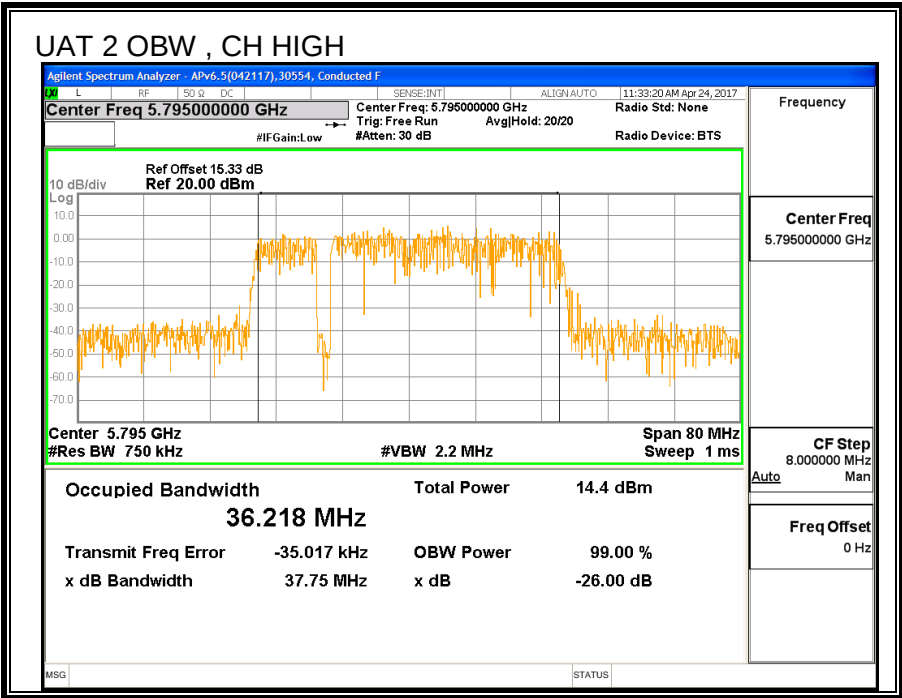
LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency	99% BW UAT 2 (MHz)	99% BW LAT 3 (MHz)
Low	5755	36.237	36.255
High	5795	36.218	36.196





8.39.4. AVERAGE POWER

ID:	30554	Date:	7/12/2017
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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	19.39	19.44	22.43
High	5795	19.32	19.41	22.38

8.39.5. OUTPUT POWER

ID:	30554	Date:	7/12/2017
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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)
-2.61	0.67	-0.67

RESULTS

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)
Low	5755	-0.67	30.00
High	5795	-0.67	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	19.39	19.44	22.43	30.00	-7.57
High	5795	19.32	19.41	22.38	30.00	-7.62

8.39.6. 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)
-2.61	0.67	2.19

RESULTS

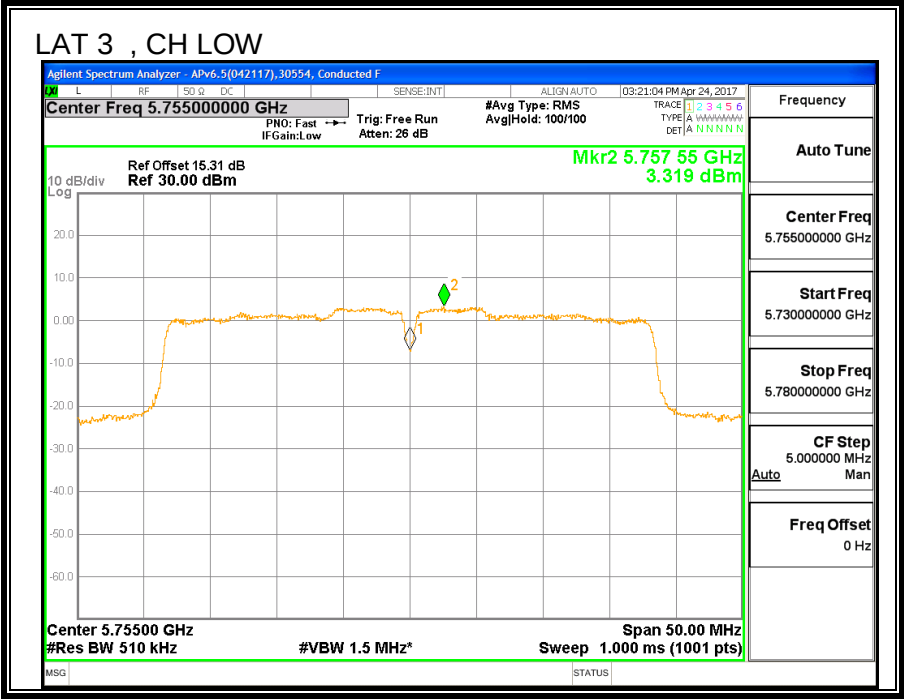
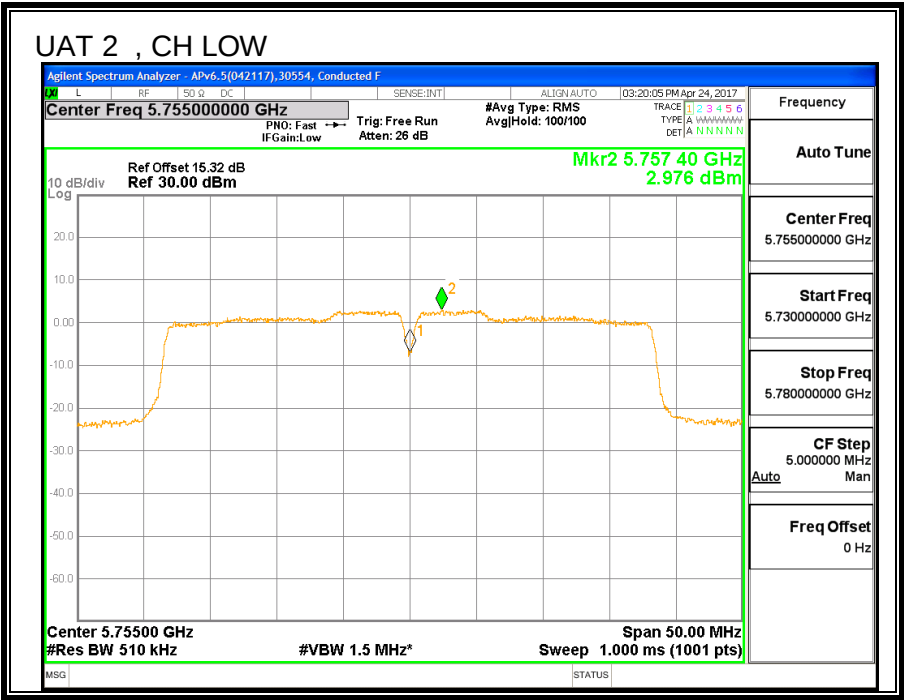
Antenna Gain and Limit

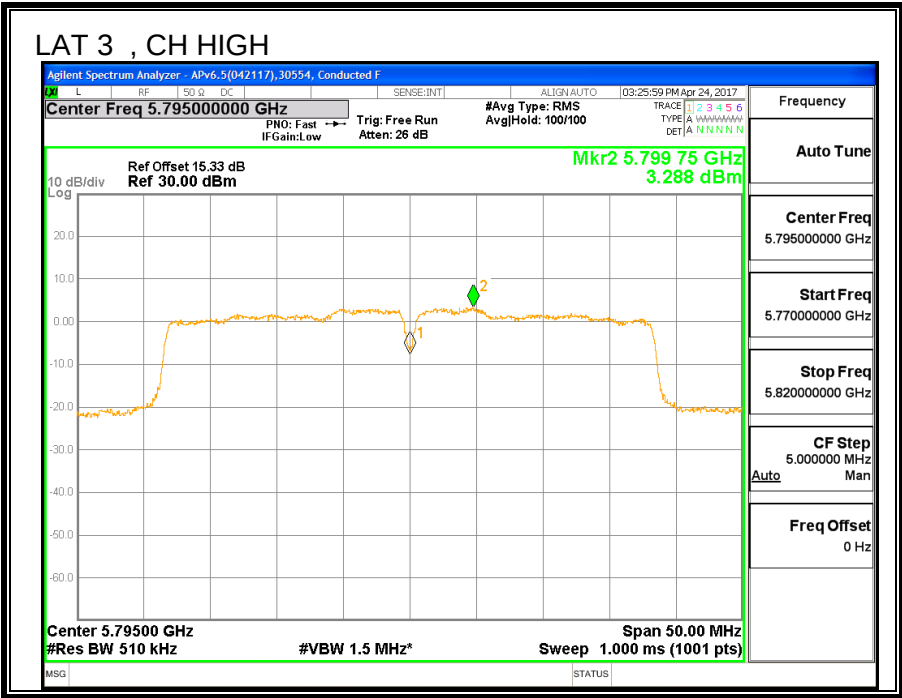
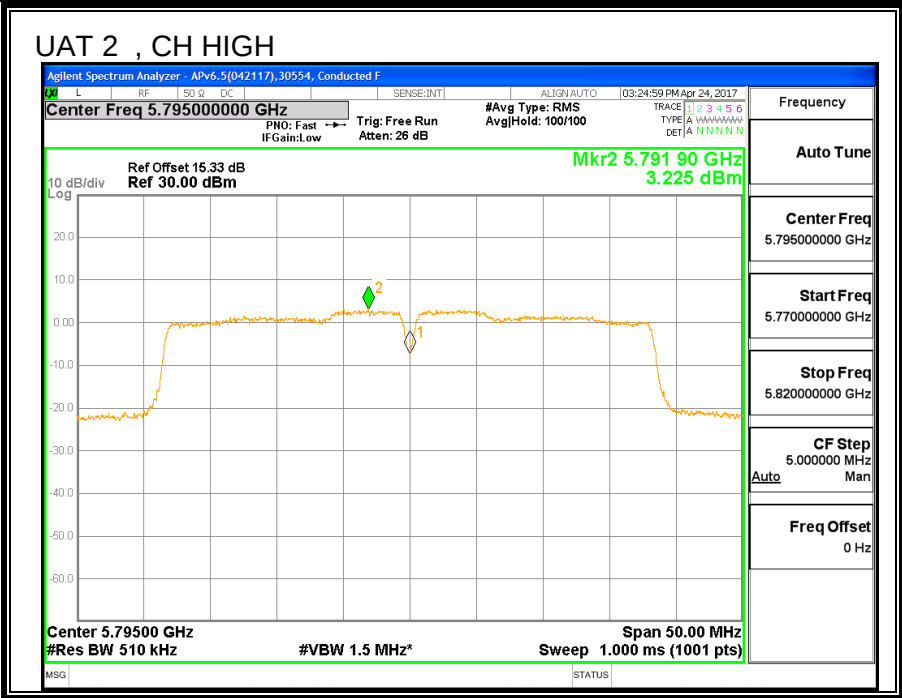
Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm/500H Kz)
Low	5755	2.19	30.00
High	5795	2.19	30.00

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

Channel	Frequency (MHz)	UAT 2 Meas (dBm/500H Kz)	LAT 3 Meas (dBm/500H Kz)	Total Corr'd (dBm/500H Kz)	PSD Limit (dBm/500H Kz)	PSD Margin (dB)
Low	5755	2.98	3.32	6.26	30.00	-23.74
High	5795	3.23	3.29	6.37	30.00	-23.63





8.40. 11ac HT80 UAT 2 SISO MODE IN THE 5.8GHz BAND

8.40.1. 6 dB BANDWIDTH

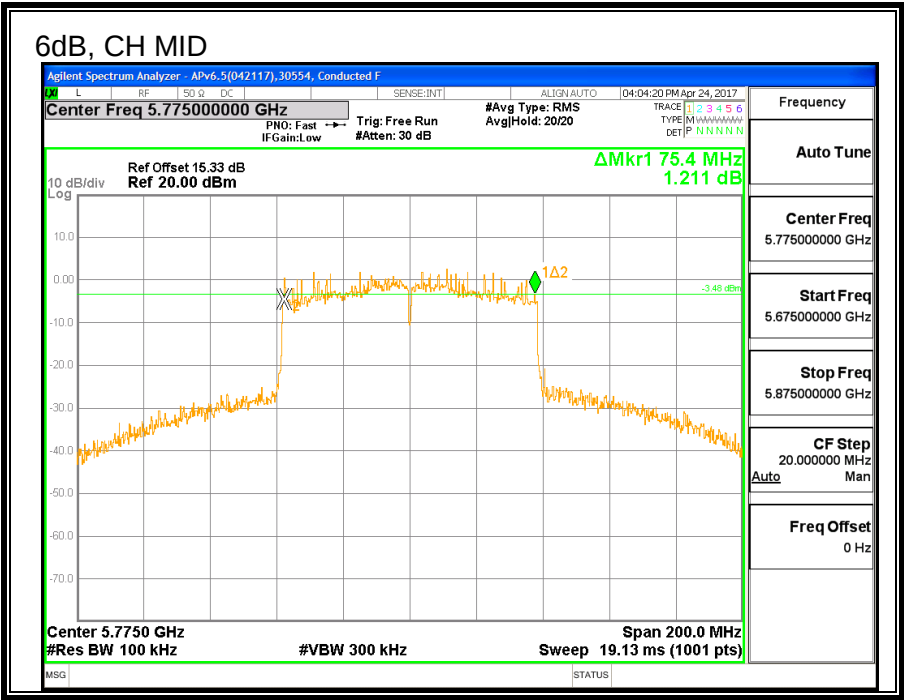
LIMITS

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	75.4	0.5



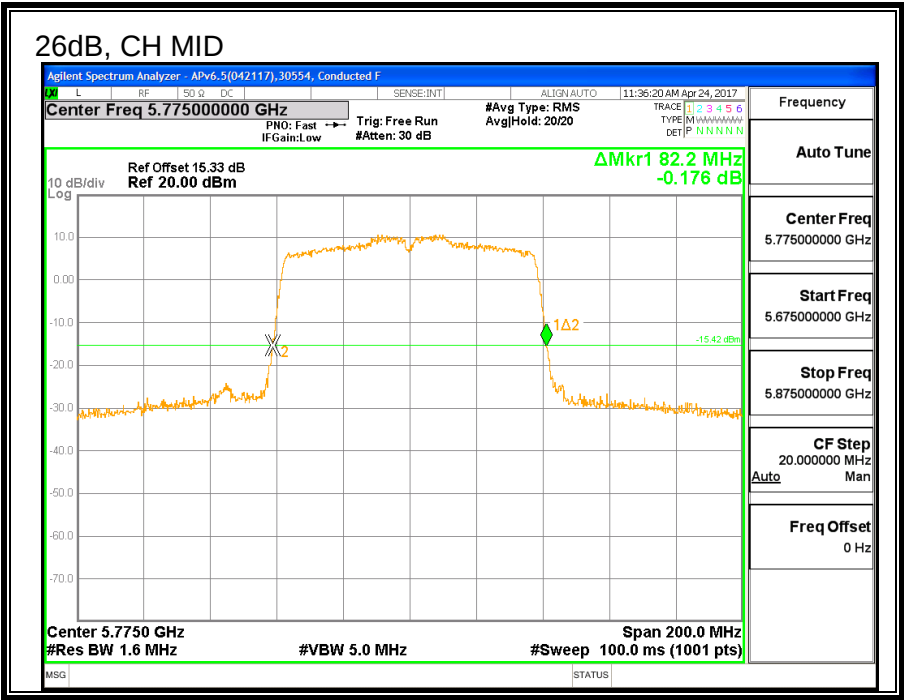
8.40.2. 26 dB BANDWIDTH

LIMITS

None; for reporting purposes only.

RESULTS

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



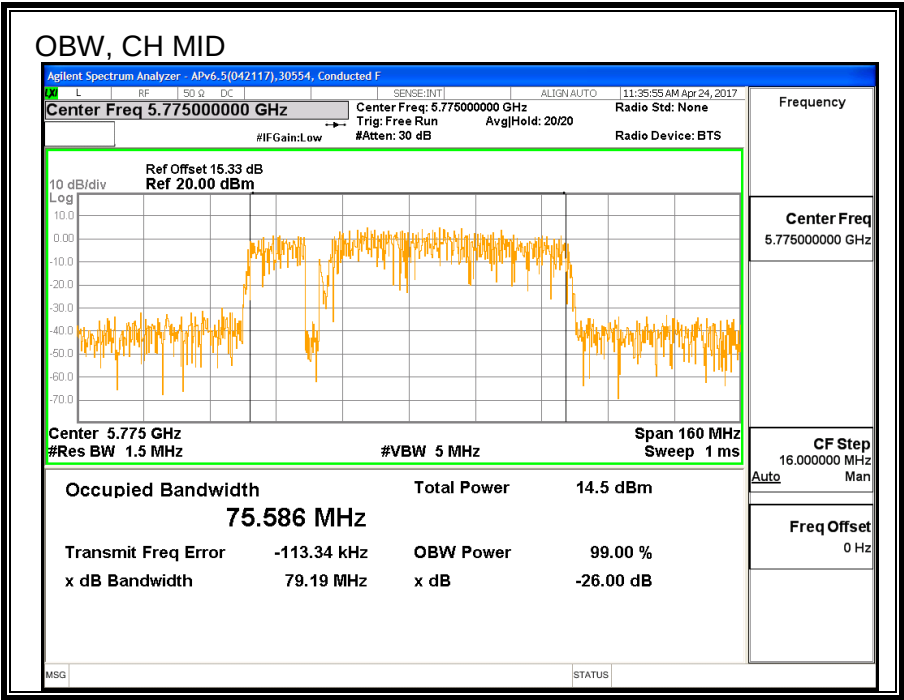
8.40.3. 99% BANDWIDTH

LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency	99% BW UAT 2 (MHz)
Mid	5775	75.586



8.40.4. AVERAGE POWER

ID:	30554	Date:	7/12/2017
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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	18.96

8.40.5. OUTPUT POWER

ID:	30554	Date:	7/12/2017
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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	-2.61	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	18.96	18.96	30.00	-11.04

8.40.6. 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

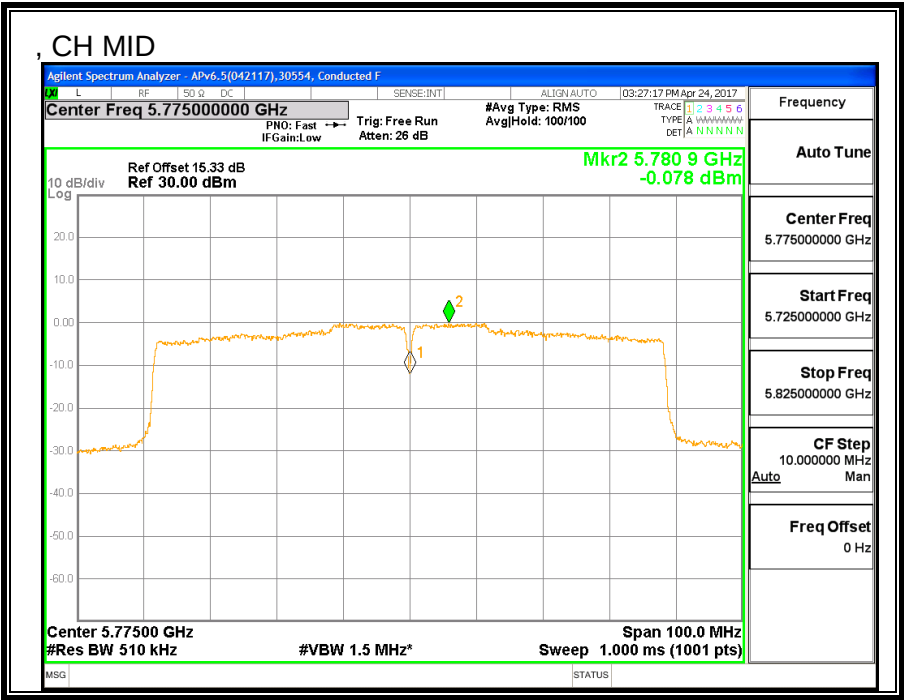
Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm/500H Kz)
Mid	5775	-2.61	30.00

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

Channel	Frequency (MHz)	UAT 2 Meas (dBm/500H Kz)	Total Corr'd (dBm/500H Kz)	PSD Limit (dBm/500H Kz)	PSD Margin (dB)
Mid	5775	-0.08	0.12	30.00	-29.88



8.41. 11ac HT80 LAT 3 SISO MODE IN THE 5.8GHz BAND

8.41.1. 6 dB BANDWIDTH

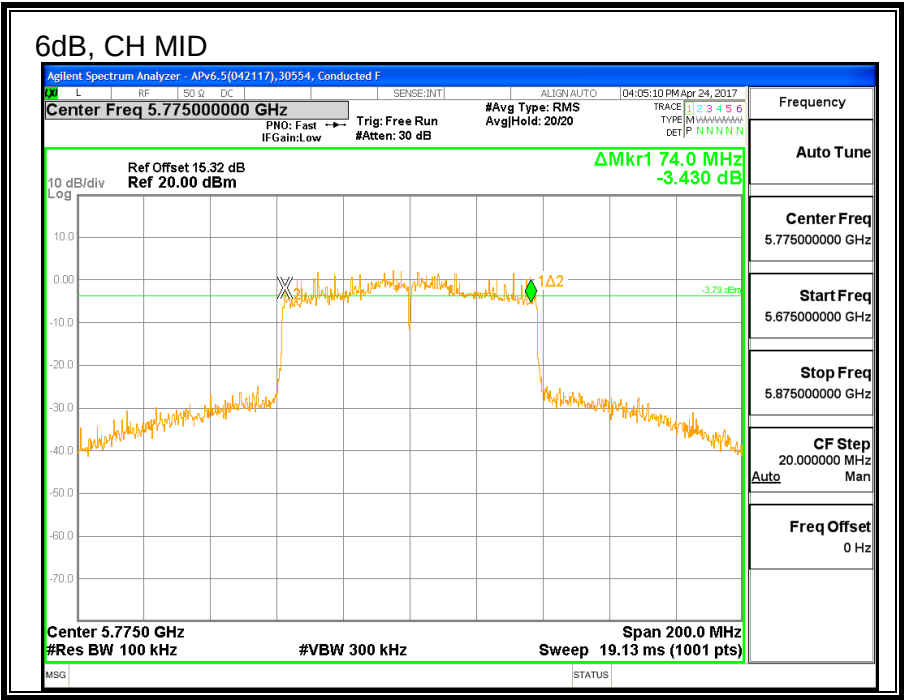
LIMITS

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



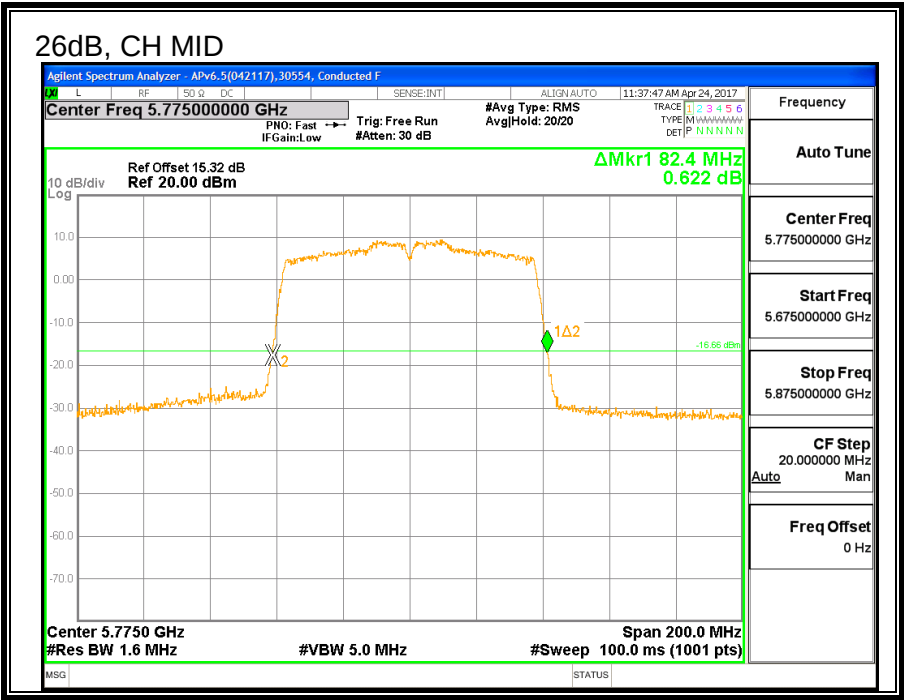
8.41.2. 26 dB BANDWIDTH

LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency	26 dB BW LAT 3 (MHz)
Mid	5775	82.4



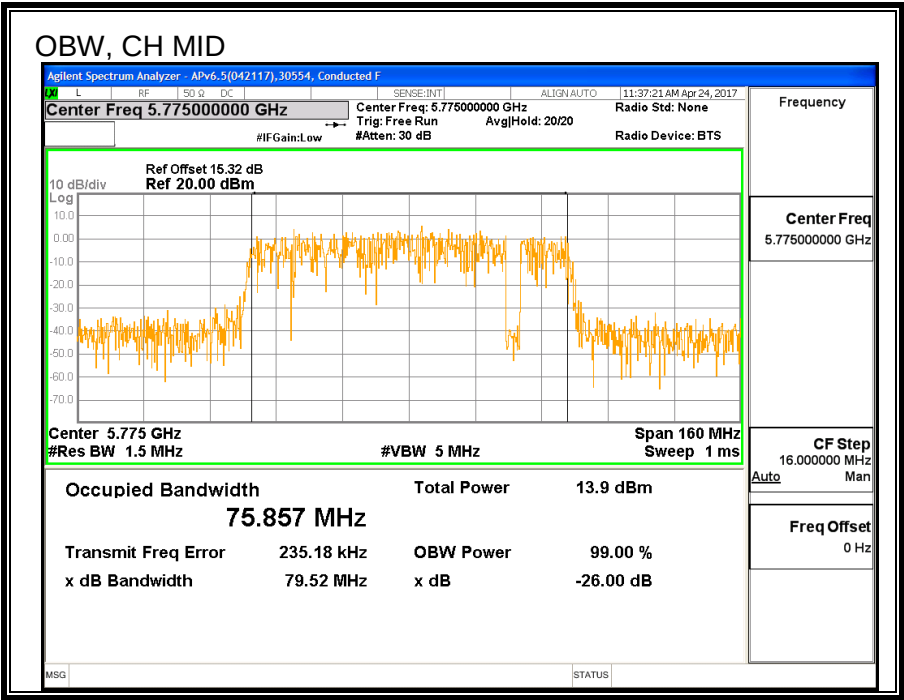
8.41.3. 99% BANDWIDTH

LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency	99% BW LAT 3 (MHz)
Mid	5775	75.857



8.41.4. AVERAGE POWER

ID:	30554	Date:	7/12/2017
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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	18.81

8.41.5. OUTPUT POWER

ID:	30554	Date:	7/12/2017
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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	0.67	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	18.81	18.81	30.00	-11.19

8.41.6. 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

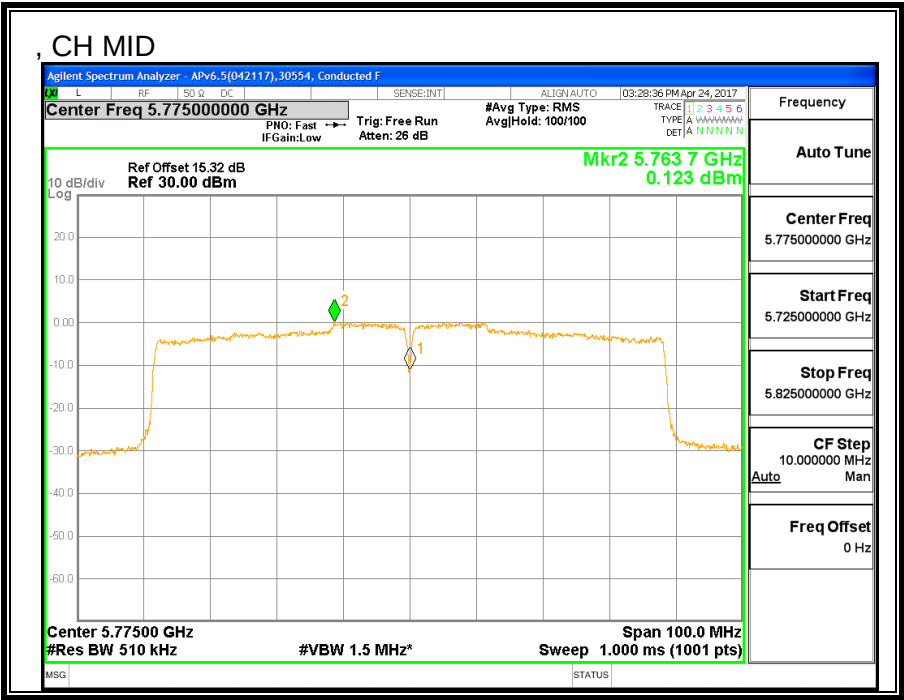
Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm/500H Kz)
Mid	5775	0.67	30.00

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

Channel	Frequency (MHz)	LAT 3 Meas (dBm/500H Kz)	Total Corr'd (dBm/500H Kz)	PSD Limit (dBm/500H Kz)	PSD Margin (dB)
Mid	5775	0.12	0.32	30.00	-29.68



8.42. 11ac HT80 2TX CDD MIMO MODE IN THE 5.8GHz BAND

8.42.1. 6 dB BANDWIDTH

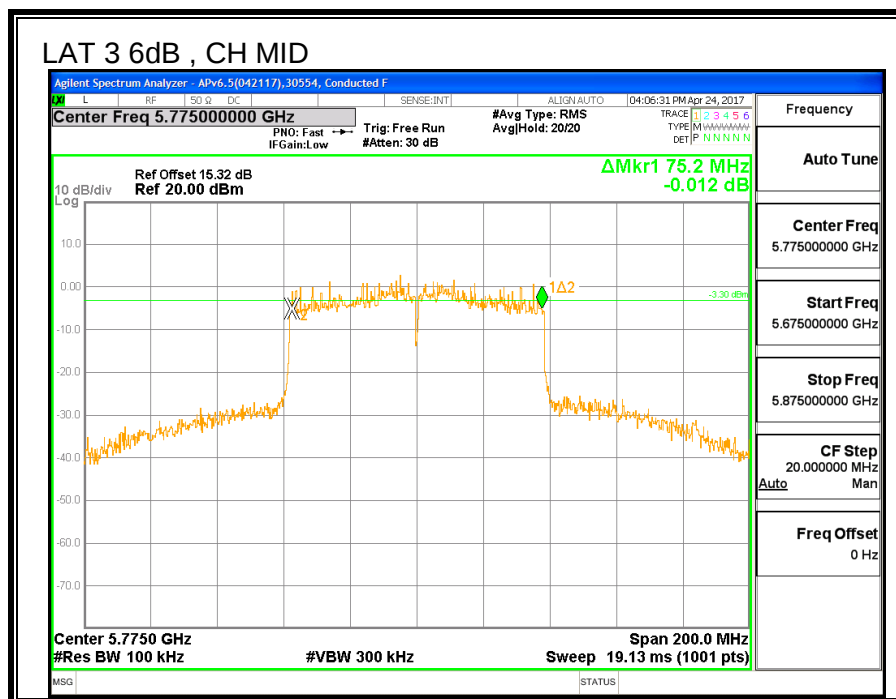
LIMITS

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	75.6	75.2	0.5



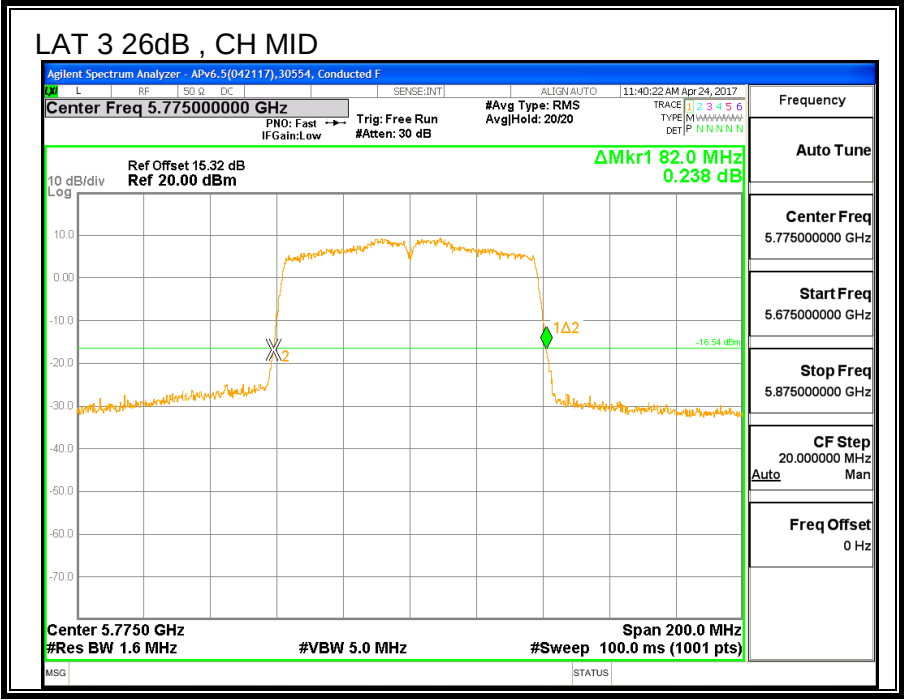
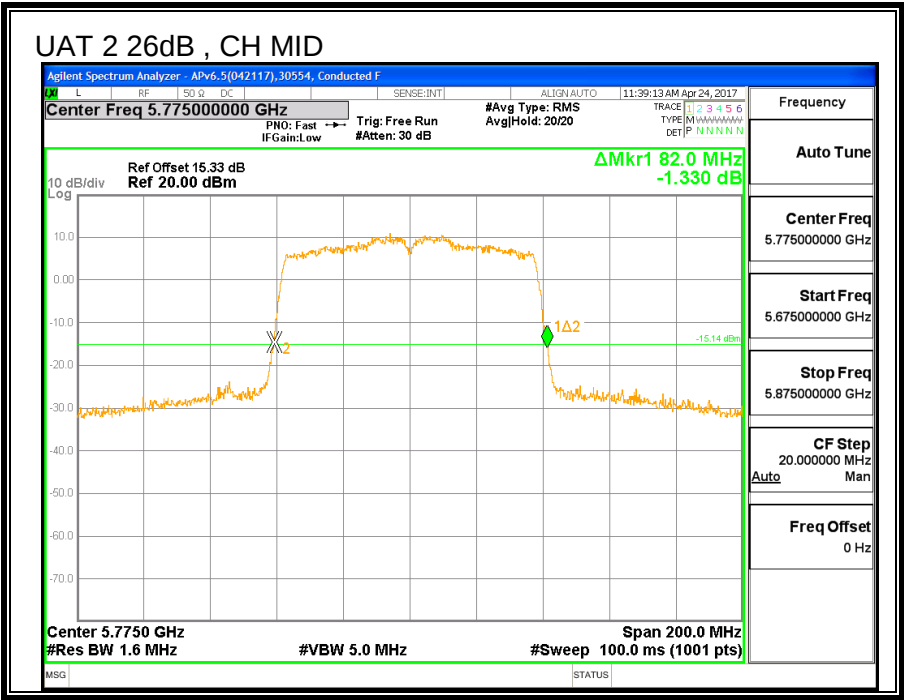
8.42.2. 26 dB BANDWIDTH

LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency	26 dB BW UAT 2 (MHz)	26 dB BW LAT 3 (MHz)
Mid	5775	82	82



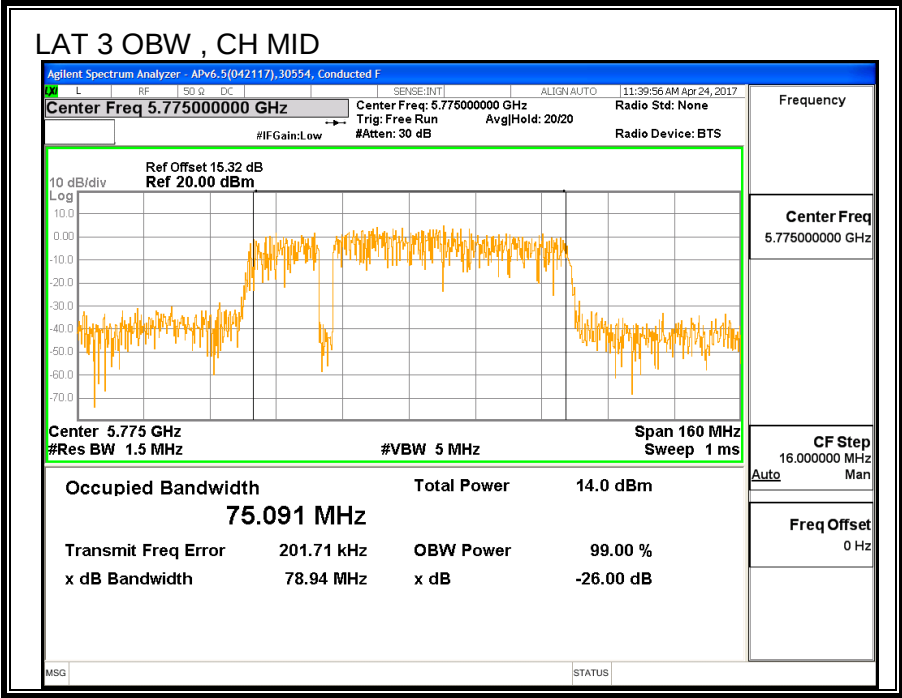
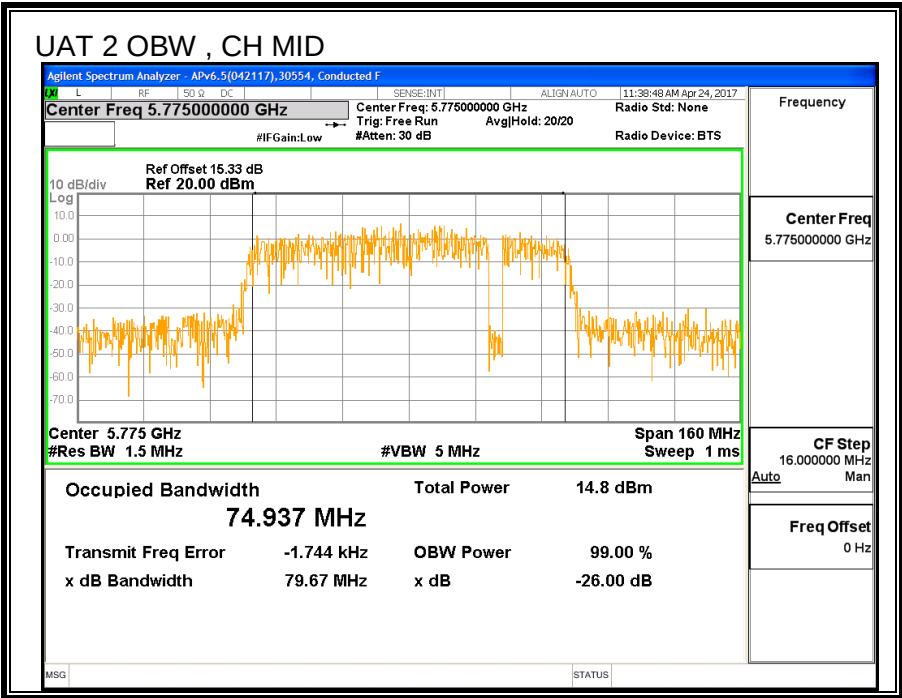
8.42.3. 99% BANDWIDTH

LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency	99% BW UAT 2 (MHz)	99% BW LAT 3 (MHz)
Mid	5775	74.937	75.091



8.42.4. AVERAGE POWER

ID:	30554	Date:	7/12/2017
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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

8.42.5. OUTPUT POWER

ID:	30554	Date:	7/12/2017
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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	LAT 3	Uncorrelated Chains
Antenna	Antenna	Directional
Gain	Gain	Gain
(dBi)	(dBi)	(dBi)
-2.61	0.67	-0.67

RESULTS

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)
Mid	5775	-0.67	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

8.42.6. 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)
-2.61	0.67	2.19

RESULTS

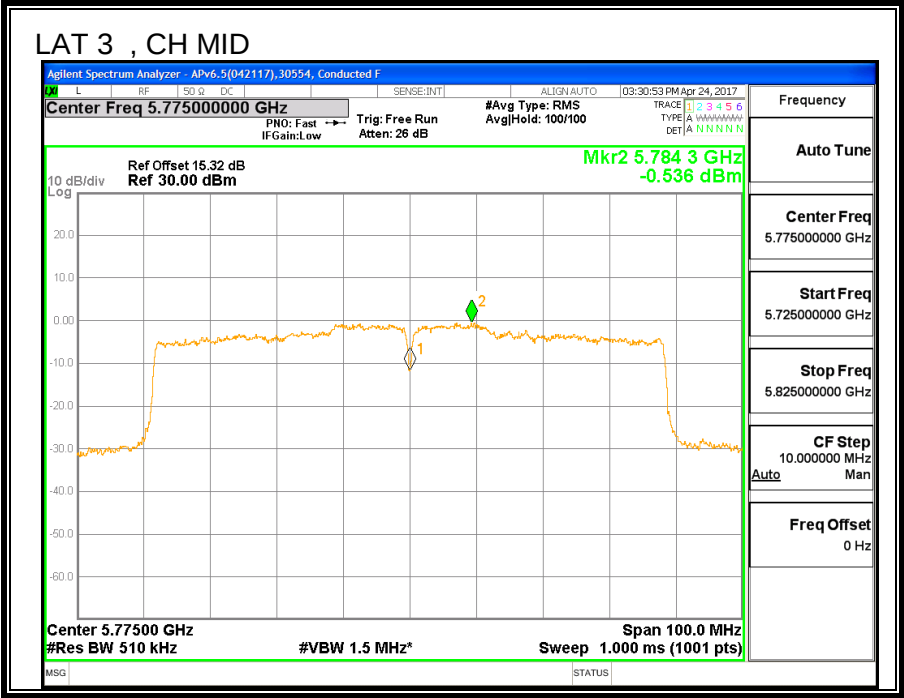
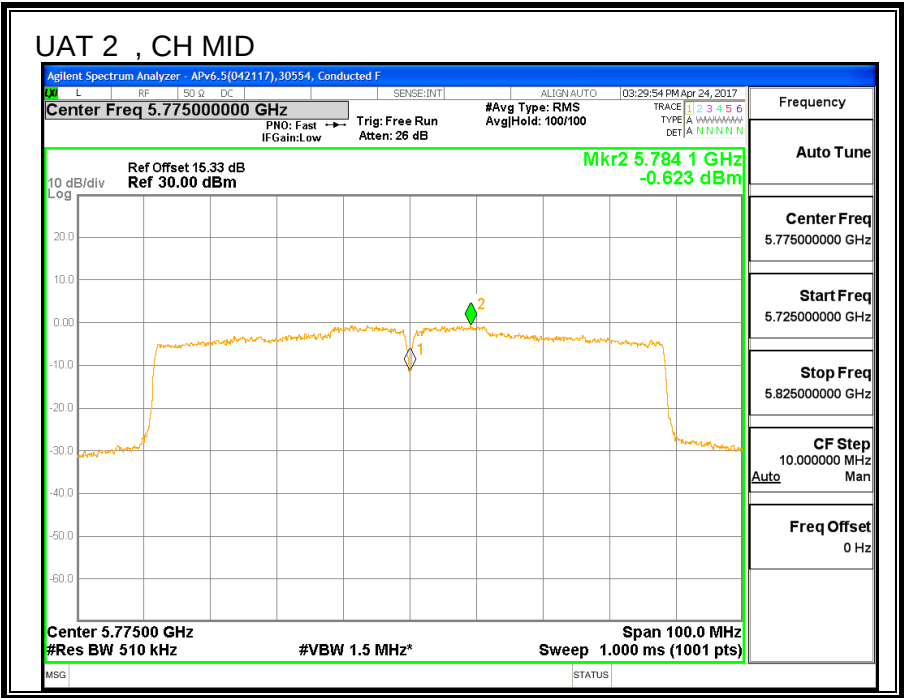
Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm/500H Kz)
Mid	5775	2.19	30.00

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

Channel	Frequency (MHz)	UAT 2 Meas (dBm/500H Kz)	LAT 3 Meas (dBm/500H Kz)	Total Corr'd (dBm/500H Kz)	PSD Limit (dBm/500H Kz)	PSD Margin (dB)
Mid	5775	-0.62	-0.54	2.63	30.00	-27.37



9. RADIATED TEST RESULTS

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.

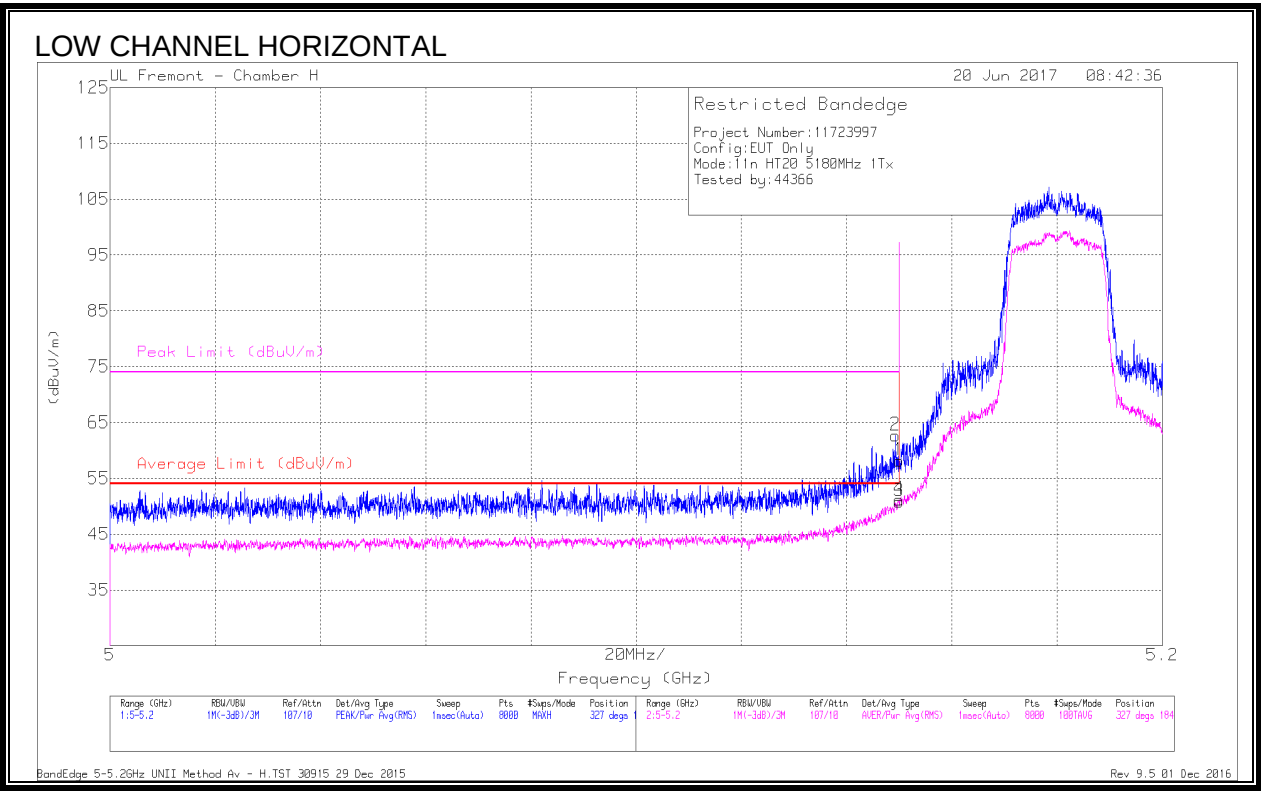
For final measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and as applicable for average measurements.

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. TRANSMITTER ABOVE 1GHZ

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

RESTRICTED BANDEDGE (LOW CHANNEL)



Mark er	Frequen cy (GHz)	Meter Readin g (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Correct ed Reading (dBuV/ m)	Average Limit (dBuV/m)	Margi n (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimu t (Degs)	Heigh t (cm)	Polarit y
1	* 5.15	48.4	Pk	34.2	-24.4	58.2	-	-	74	-15.8	327	184	H
2	* 5.149	52.9	Pk	34.2	-24.4	62.7	-	-	74	-11.3	327	184	H
3	* 5.15	41.08	RMS	34.2	-24.4	50.88	54	-3.12	-	-	327	184	H
4	* 5.15	41.42	RMS	34.2	-24.4	51.22	54	-2.78	-	-	327	184	H

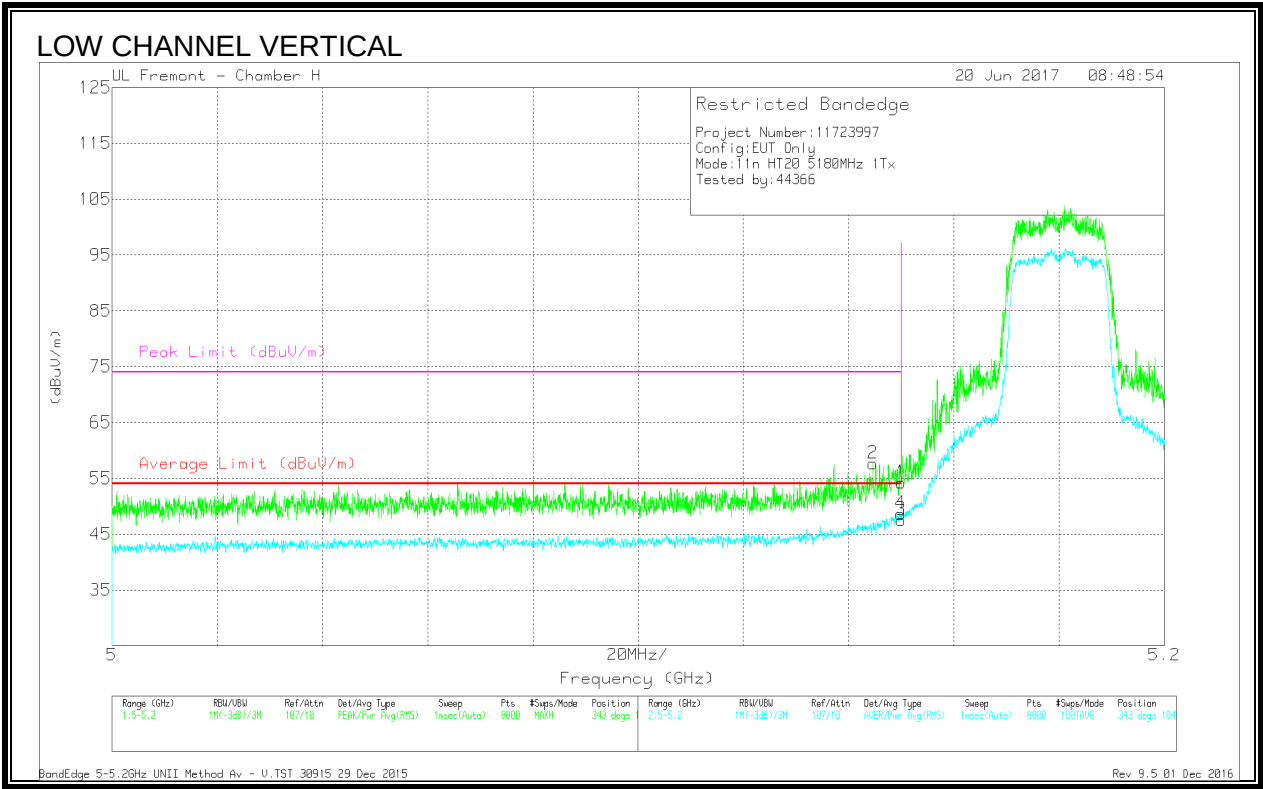
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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



Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fitr/P ad (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	44.43	Pk	34.2	-24.4	54.23	-	-	74	-19.77	343	104	V
2	* 5.145	47.76	Pk	34.2	-24.3	57.66	-	-	74	-16.34	343	104	V
3	* 5.15	37.73	RMS	34.2	-24.4	47.53	54	-6.47	-	-	343	104	V
4	* 5.15	38.84	RMS	34.2	-24.4	48.64	54	-5.36	-	-	343	104	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

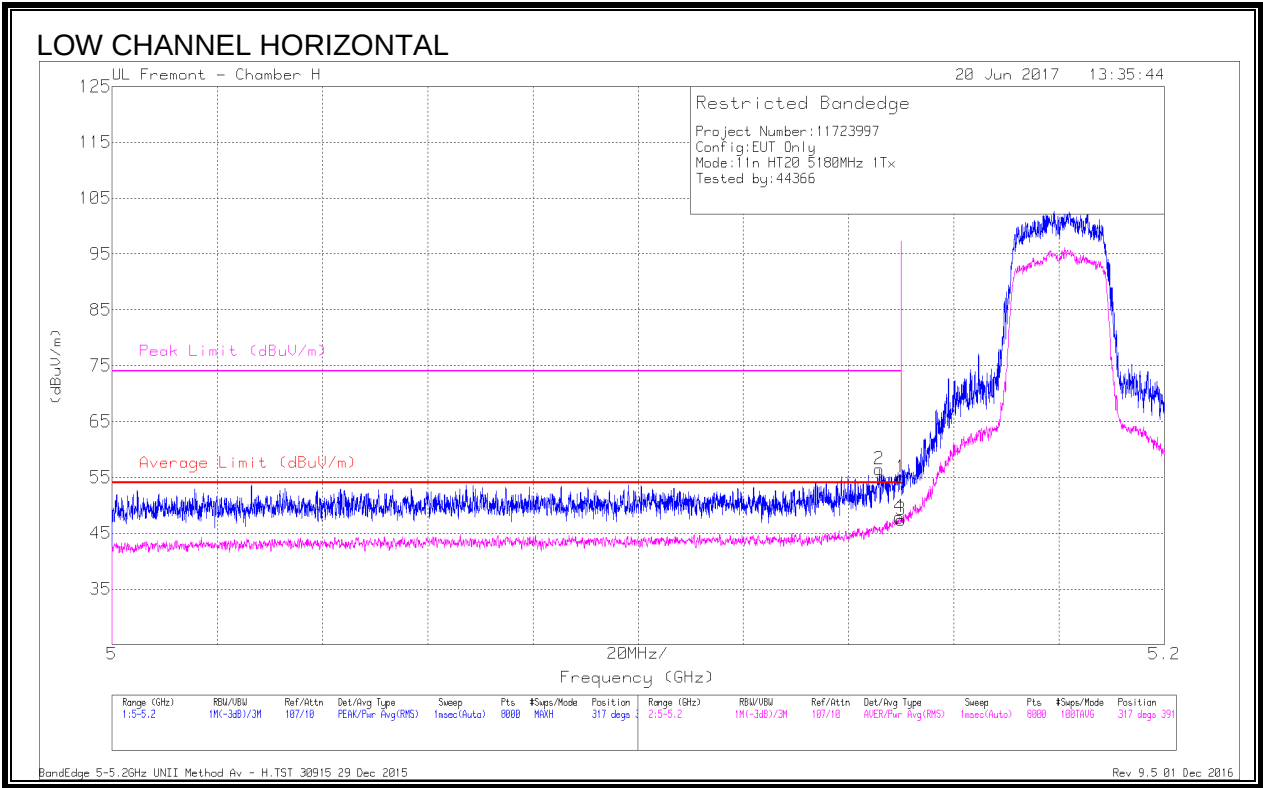
Rev 9.5 01 Dec 2016

HARMONICS AND SPURIOUS EMISSIONS

Covered by 11n HT20 2Tx

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

RESTRICTED BANDEDGE (LOW CHANNEL)



Mark er	Frequen cy (GHz)	Meter Readin g (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Correct ed Reading (dBuV/ m)	Average Limit (dBuV/m)	Margi n (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimu t (Degs)	Heigh t (cm)	Polarit y
2	* 5.146	46.61	Pk	34.2	-24.4	56.41	-	-	74	-17.59	317	391	H
1	* 5.15	45.18	Pk	34.2	-24.4	54.98	-	-	74	-19.02	317	391	H
3	* 5.15	37.6	RMS	34.2	-24.4	47.4	54	-6.6	-	-	317	391	H
4	* 5.15	38.04	RMS	34.2	-24.4	47.84	54	-6.16	-	-	317	391	H

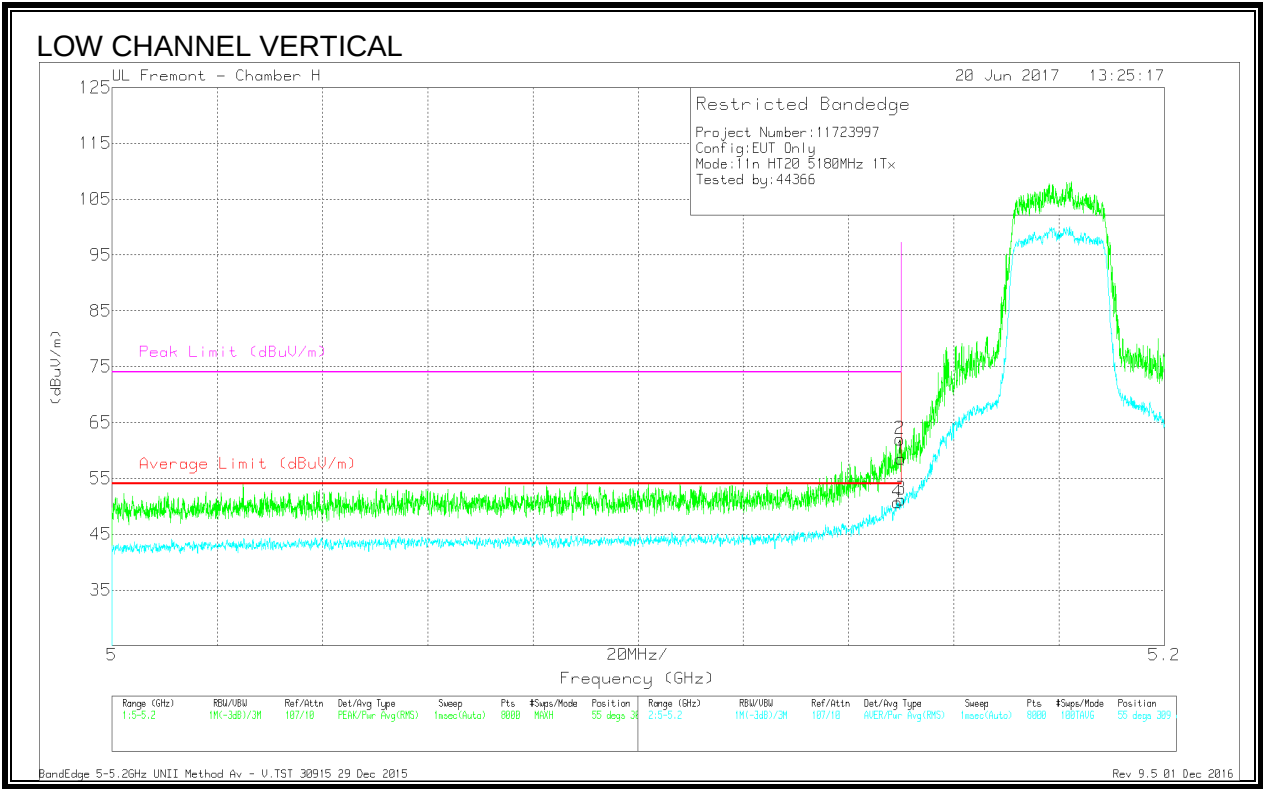
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fitr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	48.75	Pk	34.2	-24.4	58.55	-	-	74	-15.45	55	309	V
2	* 5.15	52.2	Pk	34.2	-24.4	62	-	-	74	-12	55	309	V
3	* 5.15	41.42	RMS	34.2	-24.4	51.22	54	-2.78	-	-	55	309	V
4	* 5.149	40.89	RMS	34.2	-24.4	50.69	54	-3.31	-	-	55	309	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

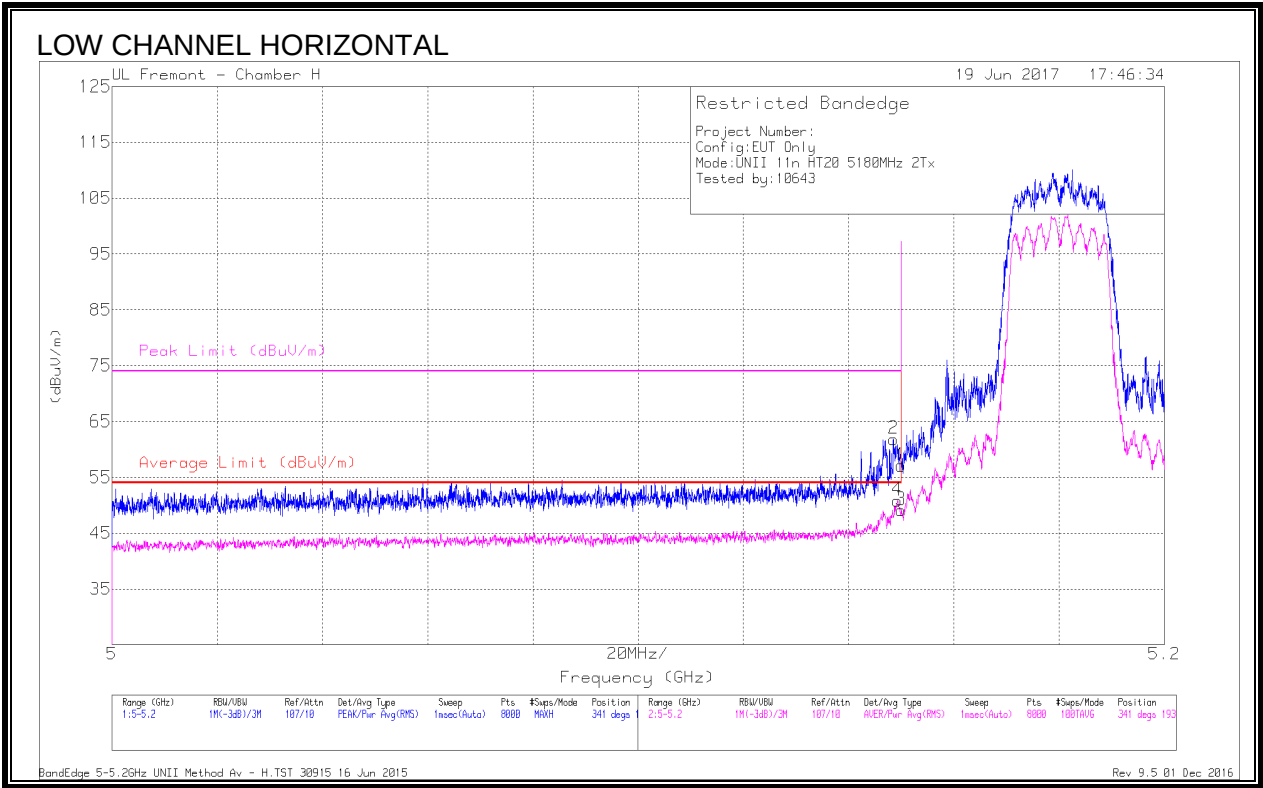
Rev 9.5 01 Dec 2016

HARMONICS AND SPURIOUS EMISSIONS

NOTE: Covered by 11n HT20 2Tx

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

RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	Correcte d Reading (dBuV/ m)	Average Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	47.33	Pk	34.2	-24.4	57.13	-	-	74	-16.87	341	193	H
2	* 5.148	52.07	Pk	34.2	-24.4	61.87	-	-	74	-12.13	341	193	H
3	* 5.15	39.35	RMS	34.2	-24.4	49.15	54	-4.85	-	-	341	193	H
4	* 5.149	41.06	RMS	34.2	-24.4	50.86	54	-3.14	-	-	341	193	H

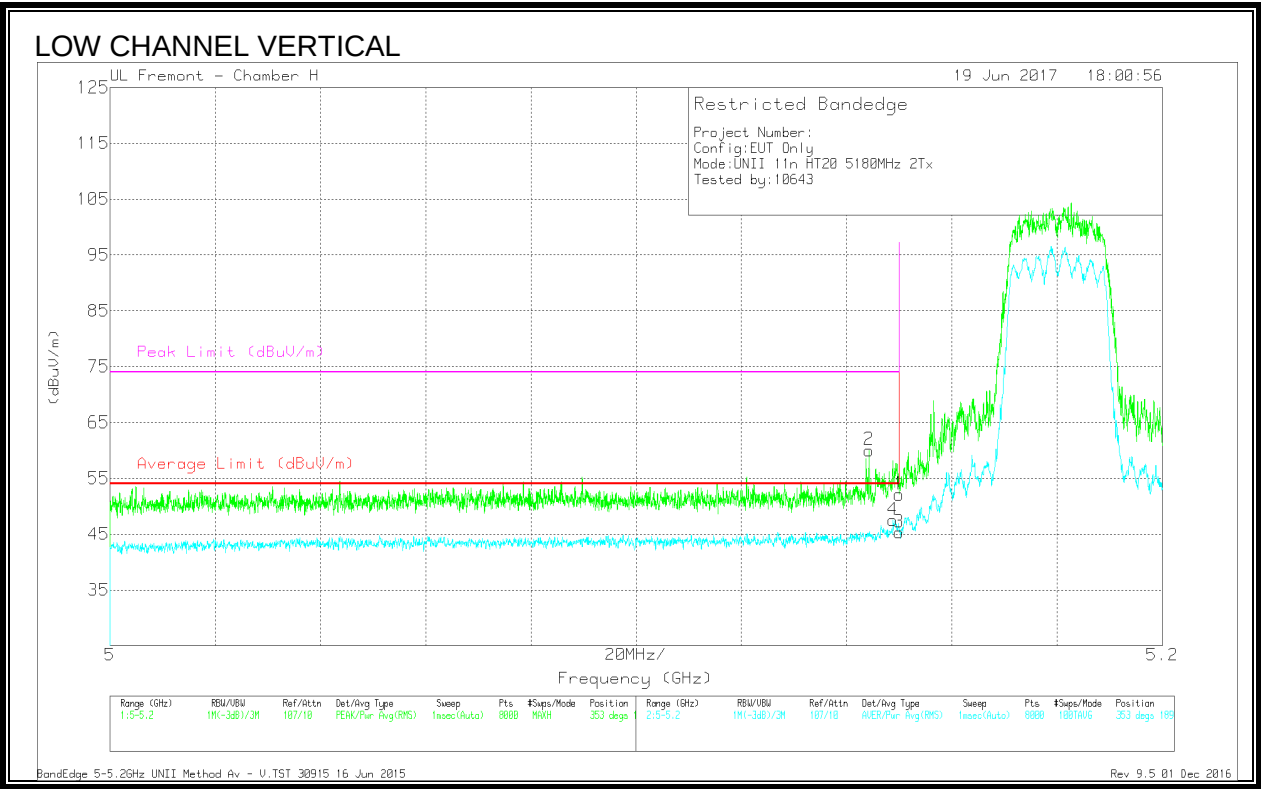
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.144	50.14	Pk	34.2	-24.3	60.04	-	-	74	-13.96	353	189	V
4	* 5.149	37.71	RMS	34.2	-24.4	47.51	54	-6.49	-	-	353	189	V
1	* 5.15	42.31	Pk	34.2	-24.4	52.11	-	-	74	-21.89	353	189	V
3	* 5.15	35.53	RMS	34.2	-24.4	45.33	54	-8.67	-	-	353	189	V

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

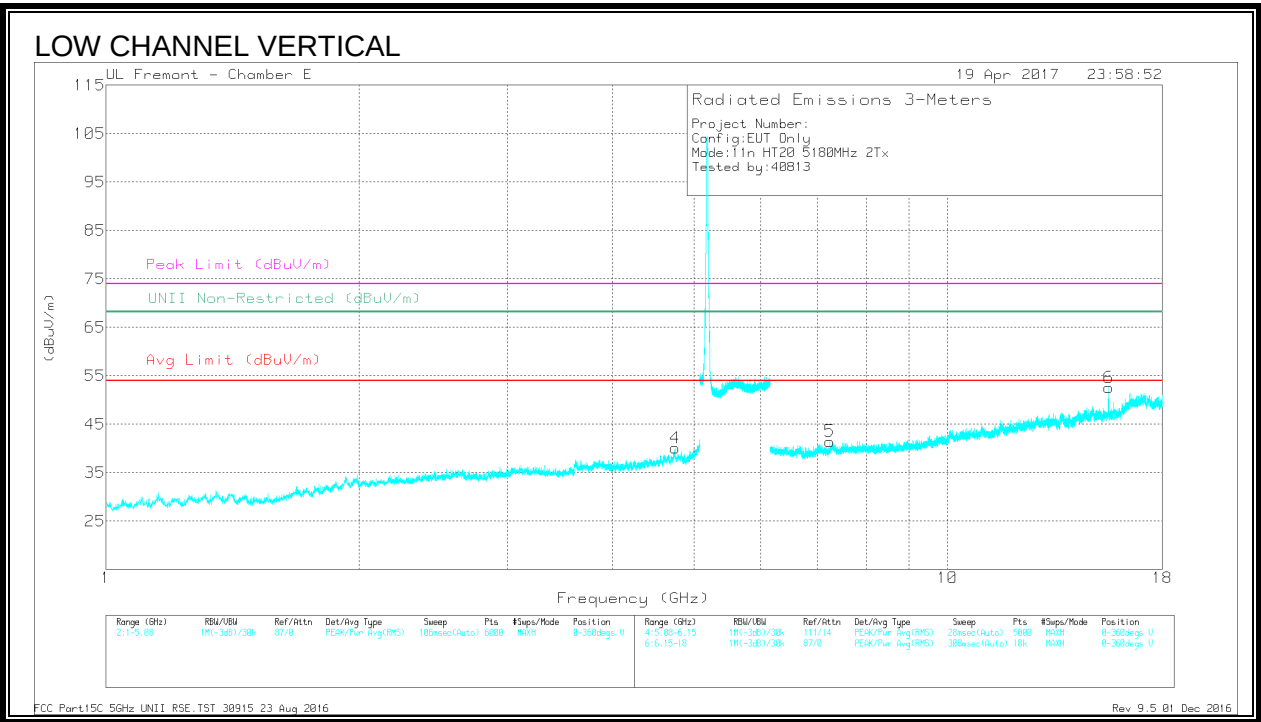
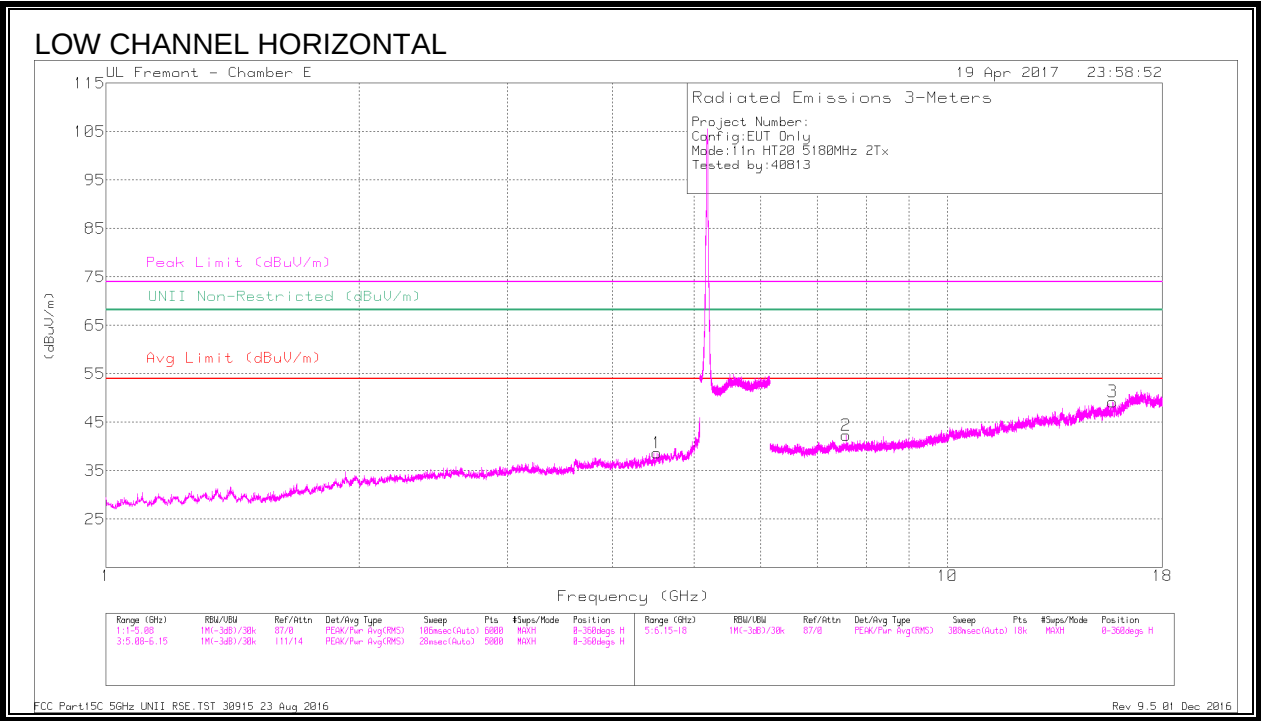
Pk - Peak detector

RMS - RMS detection

BandEdge 5-5.2GHz UNII Method Av - V.TST 30915 16 Jun 2015

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HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.516	41.18	PK-U	34	-29.5	45.68	-	-	74	-28.32	-	-	282	131	H
	* 4.515	29.59	ADR	34	-29.5	34.09	54	-19.91	-	-	-	-	282	131	H
4	* 4.746	40.81	PK-U	34.3	-29.1	46.01	-	-	74	-27.99	-	-	61	228	V
	* 4.744	29.39	ADR	34.3	-29.1	34.59	54	-19.41	-	-	-	-	61	228	V
2	* 7.581	37.77	PK-U	36.1	-26.3	47.57	-	-	74	-26.43	-	-	91	215	H
	* 7.58	26.72	ADR	36.1	-26.3	36.52	54	-17.48	-	-	-	-	91	215	H
3	* 15.716	36.84	PK-U	40.8	-22.5	55.14	-	-	74	-18.86	-	-	149	131	H
	* 15.717	25.49	ADR	40.8	-22.4	43.89	54	-10.11	-	-	-	-	149	131	H
6	* 15.537	37.22	PK-U	40.6	-22.7	55.12	-	-	74	-18.88	-	-	311	206	V
	* 15.537	25.45	ADR	40.6	-22.7	43.35	54	-10.65	-	-	-	-	311	206	V
5	7.241	40.15	PK-U	35.9	-27.6	48.45	-	-	-	-	68.2	-19.75	174	143	V
	7.241	28.2	ADR	35.9	-27.6	36.5	-	-	-	-	-	-	174	143	V

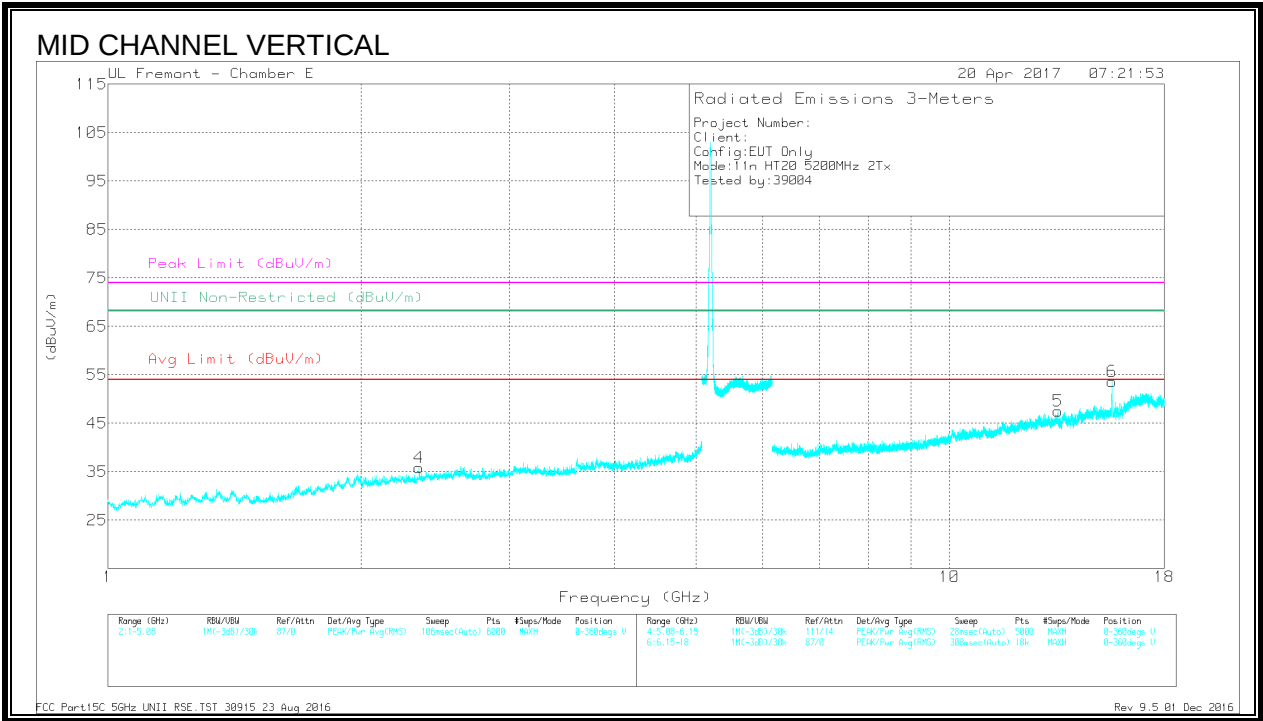
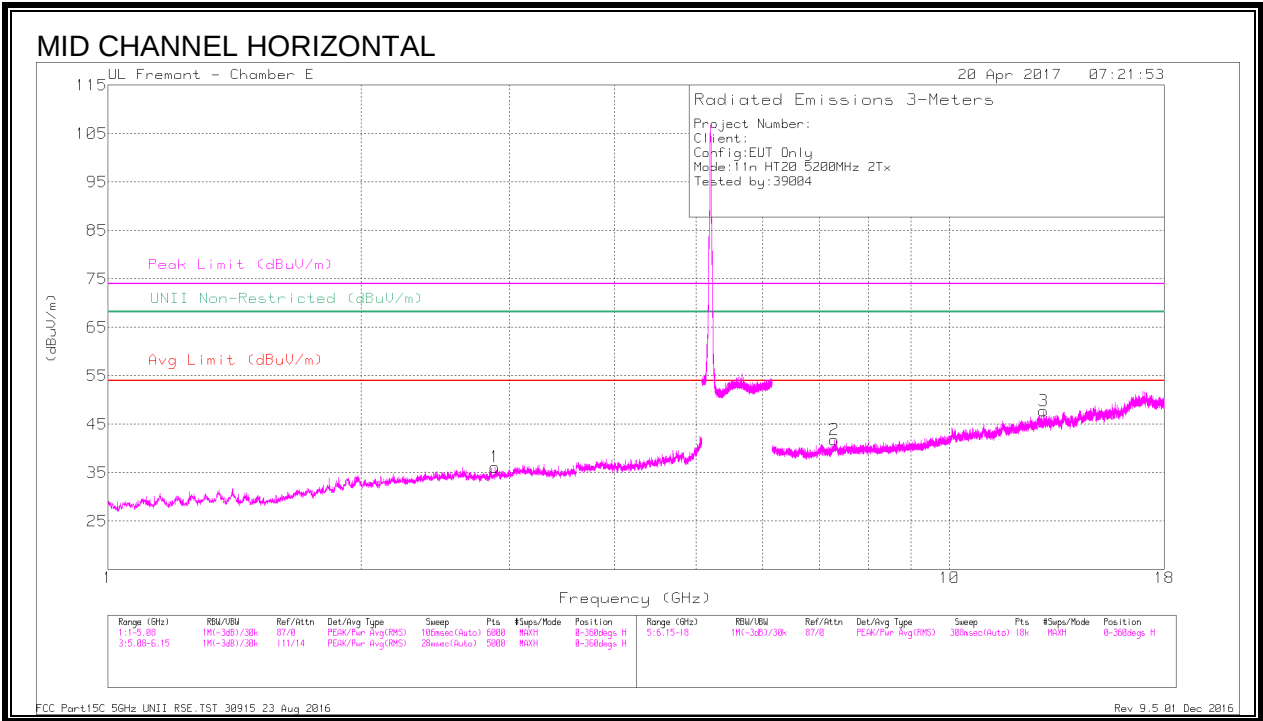
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

FCC Part15C 5GHz UNII RSE.TST 30915 23 Aug 2016

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DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.883	41.44	PK-U	32.5	-31.2	42.74	-	-	74	-31.26	-	-	106	345	H
	* 2.882	29.3	ADR	32.5	-31.1	30.7	54	-23.3	-	-	-	-	106	345	H
4	* 2.341	42.41	PK-U	31.8	-32.5	41.71	-	-	74	-32.29	-	-	78	192	V
	* 2.34	30.44	ADR	31.8	-32.5	29.74	54	-24.26	-	-	-	-	78	192	V
2	* 7.301	38.89	PK-U	35.9	-26.2	48.59	-	-	74	-25.41	-	-	252	399	H
	* 7.297	26.93	ADR	35.9	-26.2	36.63	54	-17.37	-	-	-	-	252	399	H
6	* 15.598	42.32	PK-U	40.6	-22.6	60.32	-	-	74	-13.68	-	-	91	106	V
	* 15.598	30.4	ADR	40.6	-22.6	48.4	54	-5.6	-	-	-	-	91	106	V
3	12.942	38.41	PK-U	40	-24.6	53.81	-	-	-	-	68.2	-14.39	240	220	H
5	13.452	39.01	PK-U	39.6	-24.3	54.31	-	-	-	-	68.2	-13.89	215	179	V

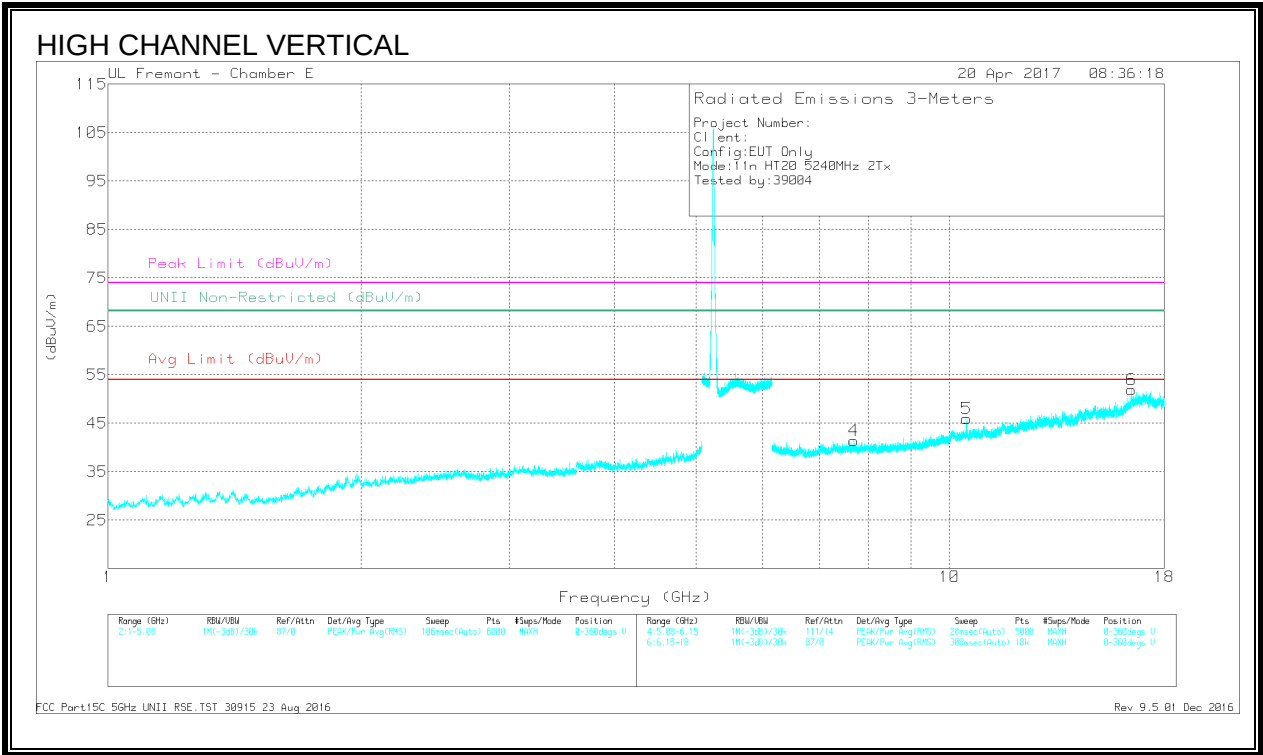
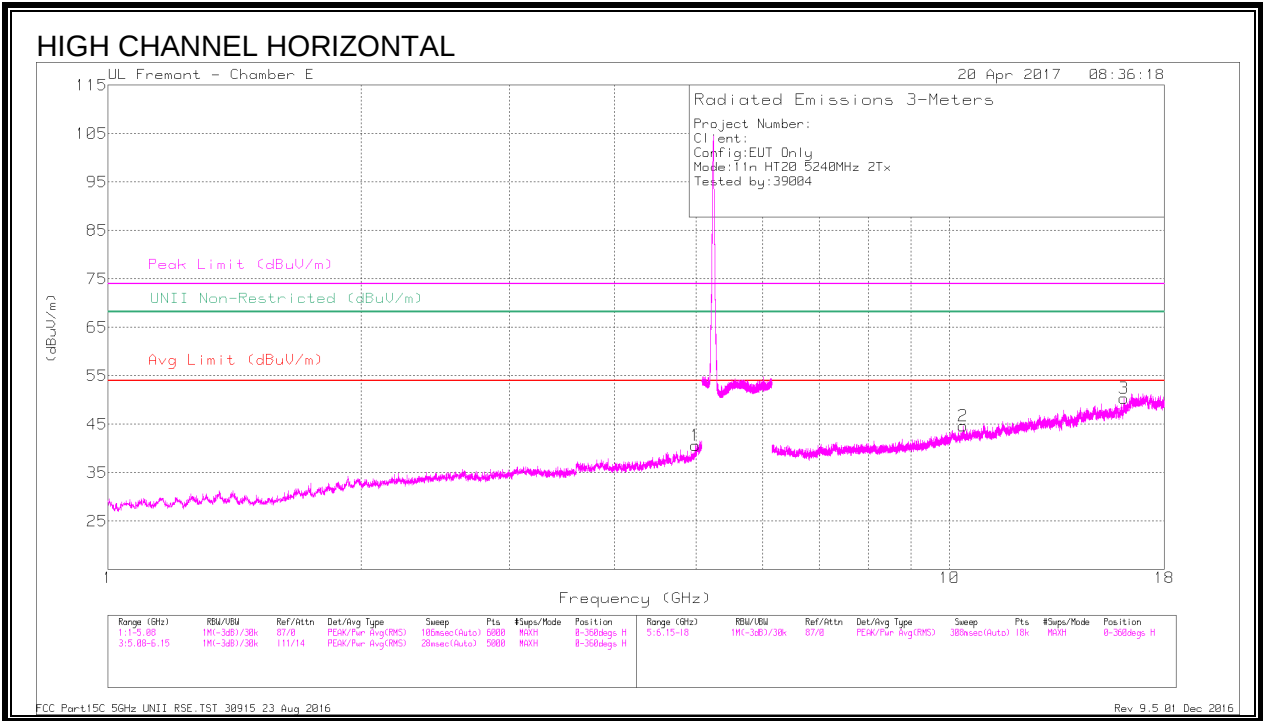
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

FCC Part15C 5GHz UNII RSE.TST 30915 23 Aug 2016

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DATA

Marker	Frequen cy (GHz)	Meter Readin g (dBuV)	Det	AF T863 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	Correct ed Readin g (dBuV/ m)	Avg Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	UNII Non- Restrict ed (dBuV/ m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.992	41.43	PK-U	34.3	-29.1	46.63	-	-	74	-27.37	-	-	94	222	H
	* 4.992	29.78	ADR	34.3	-29.1	34.98	54	-19.02	-	-	-	-	94	222	H
3	* 16.132	36.92	PK-U	41.4	-22.5	55.82	-	-	74	-18.18	-	-	32	144	H
	* 16.129	25.67	ADR	41.4	-22.6	44.47	54	-9.53	-	-	-	-	32	144	H
4	* 7.702	38.39	PK-U	36.1	-26.9	47.59	-	-	74	-26.41	-	-	191	318	V
	* 7.702	26.96	ADR	36.1	-26.9	36.16	54	-17.84	-	-	-	-	191	318	V
2	10.381	36.49	PK-U	37.3	-23.2	50.59	-	-	-	-	68.2	-17.61	315	183	H
5	10.479	39.24	PK-U	37.5	-24.3	52.44	-	-	-	-	68.2	-15.76	290	132	V
6	16.463	36.87	PK-U	41.9	-21.1	57.67	-	-	-	-	68.2	-10.53	255	146	V

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

PK-U - U-NII: Maximum Peak

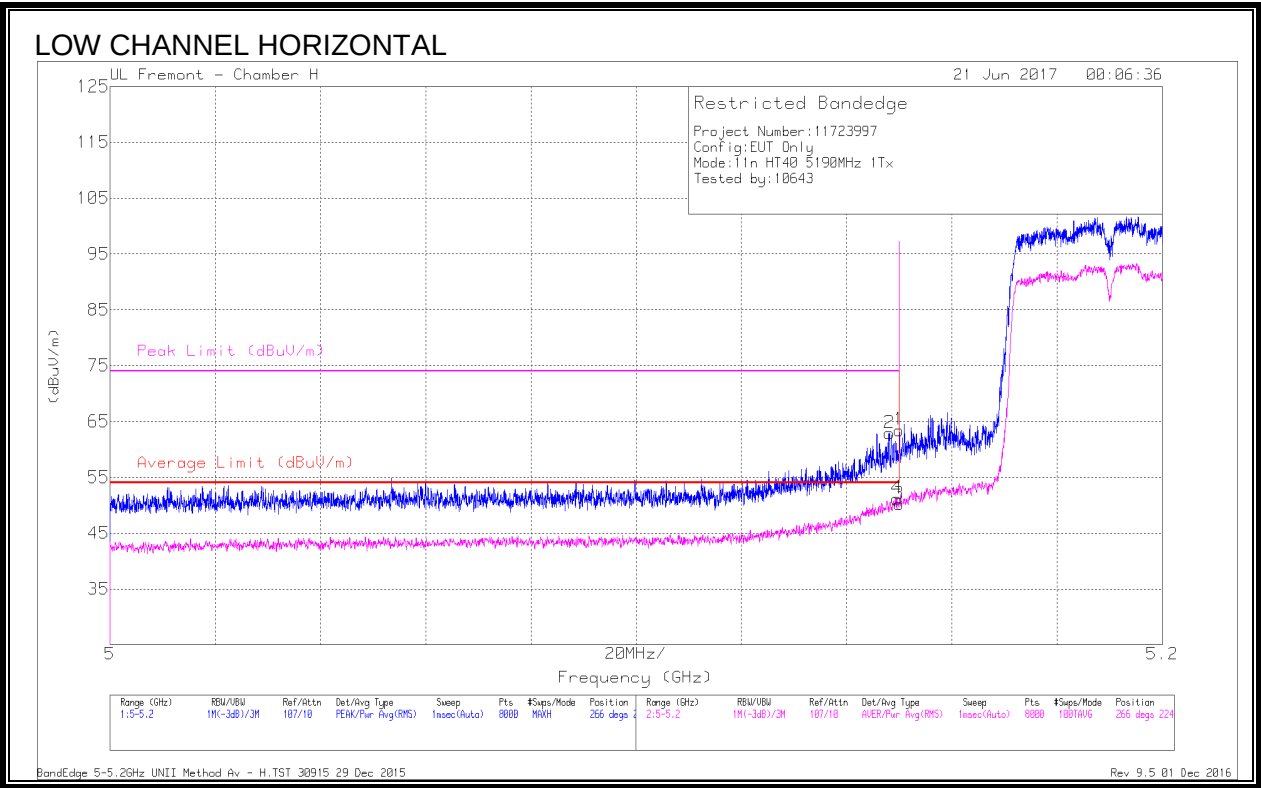
ADR - U-NII AD primary method, RMS average

FCC Part15C 5GHz UNII RSE.TST 30915 23 Aug 2016

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

RESTRICTED BANDEDGE (LOW CHANNEL)



Mark er	Frequen cy (GHz)	Meter Readin g (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	DC Corr (dB)	Correct ed Reading (dBuV/ m)	Average Limit (dBuV/m)	Margi n (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimet h (Degs)	Heigh t (cm)	Polarit y
1	* 5.15	53.66	Pk	34.2	-24.4	0	63.46	-	-	74	-10.54	266	224	H
2	* 5.148	53.09	Pk	34.2	-24.4	0	62.89	-	-	74	-11.11	266	224	H
3	* 5.15	40.39	RMS	34.2	-24.4	.1	50.29	54	-3.71	-	-	266	224	H
4	* 5.15	41.41	RMS	34.2	-24.4	.1	51.31	54	-2.69	-	-	266	224	H

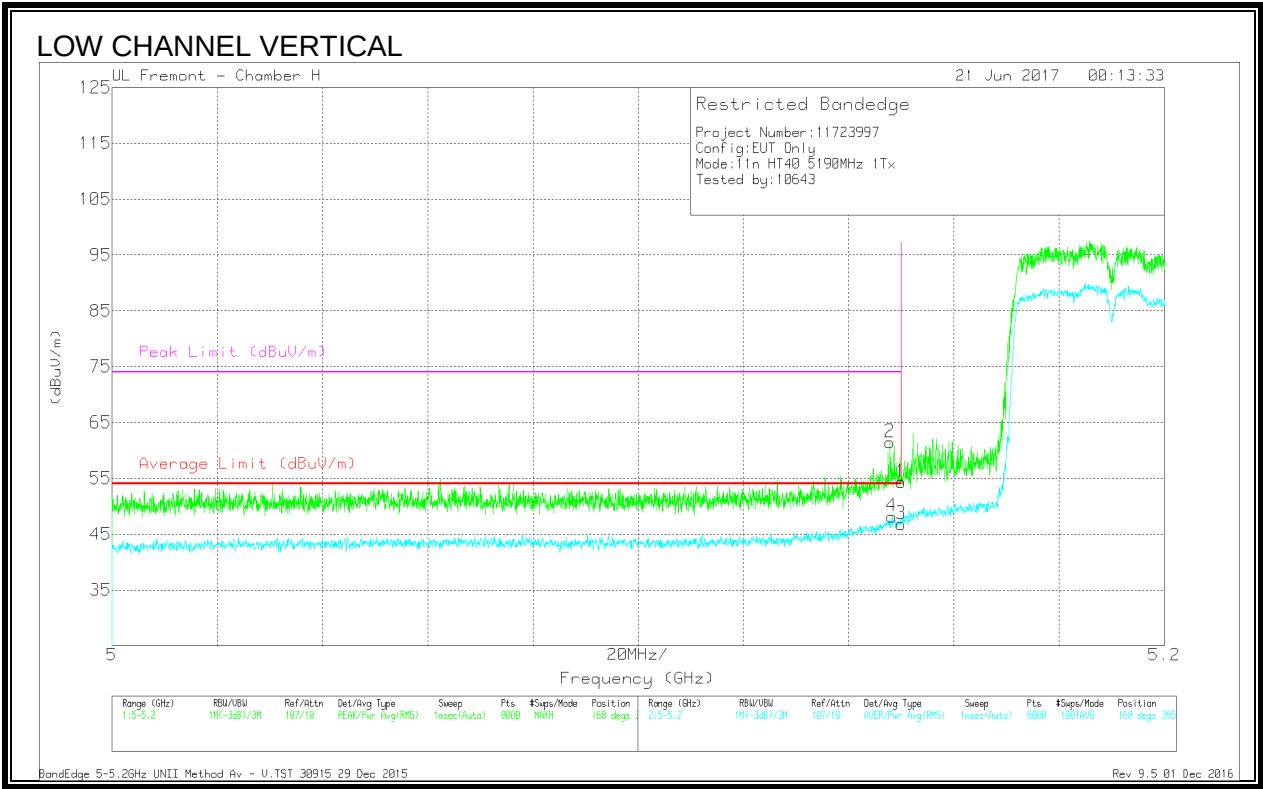
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BandEdge 5-5.2GHz UNII Method Av - H.TST 30915 29 Dec 2015

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Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fitr/P ad (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	44.55	Pk	34.2	-24.4	0	54.35	-	-	74	-19.65	168	385	V
2	* 5.148	51.68	Pk	34.2	-24.4	0	61.48	-	-	74	-12.52	168	385	V
3	* 5.15	37.03	RMS	34.2	-24.4	.1	46.93	54	-7.07	-	-	168	385	V
4	* 5.148	38.39	RMS	34.2	-24.4	.1	48.29	54	-5.71	-	-	168	385	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

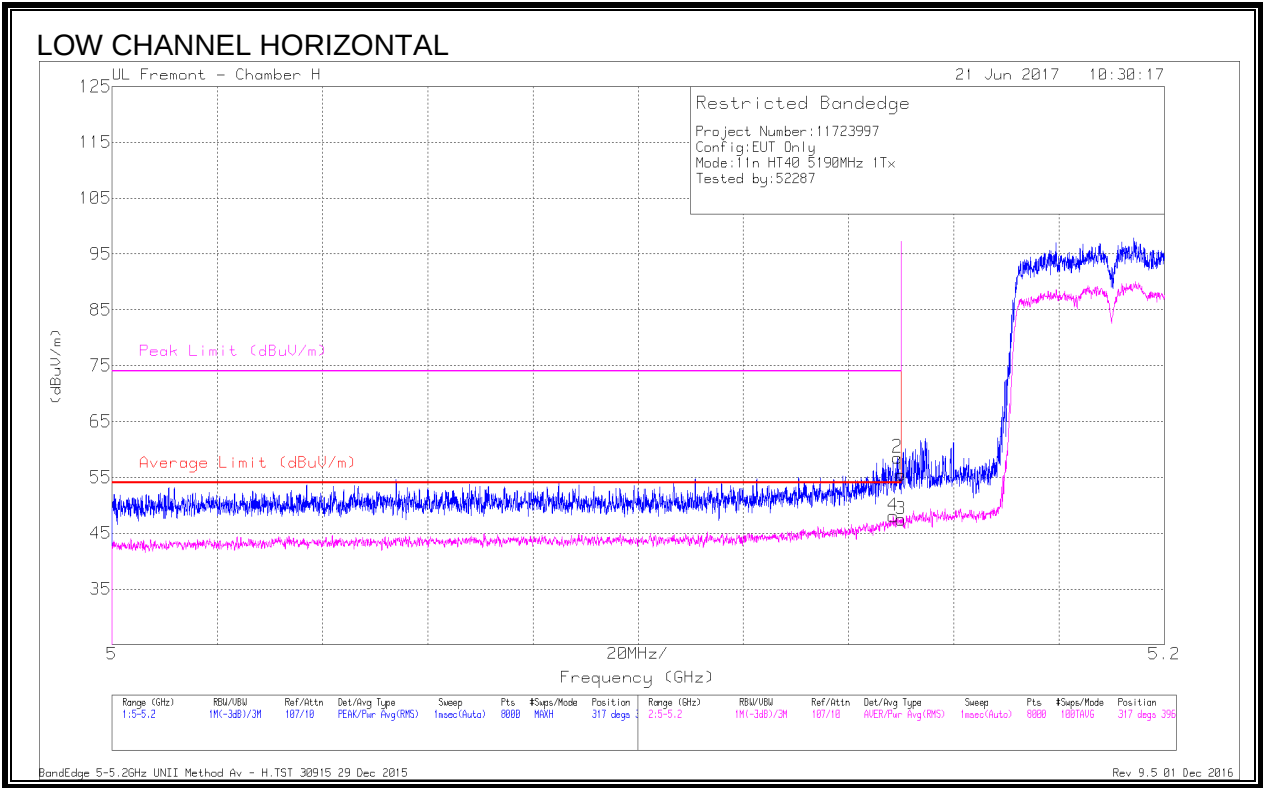
Rev 9.5 01 Dec 2016

HARMONICS AND SPURIOUS EMISSIONS

Covered by 11n HT40 2Tx

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

RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cb l/Fitr/P ad (dB)	DC Corr (dB)	Correct ed Reading (dBuV/ m)	Average Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 5.148	38.18	RMS	34.2	-24.4	.1	48.08	54	-5.92	-	-	317	396	H
2	* 5.149	48.73	Pk	34.2	-24.4	0	58.53	-	-	74	-15.47	317	396	H
1	* 5.15	45.64	Pk	34.2	-24.4	0	55.44	-	-	74	-18.56	317	396	H
3	* 5.15	37.58	RMS	34.2	-24.4	.1	47.48	54	-6.52	-	-	317	396	H

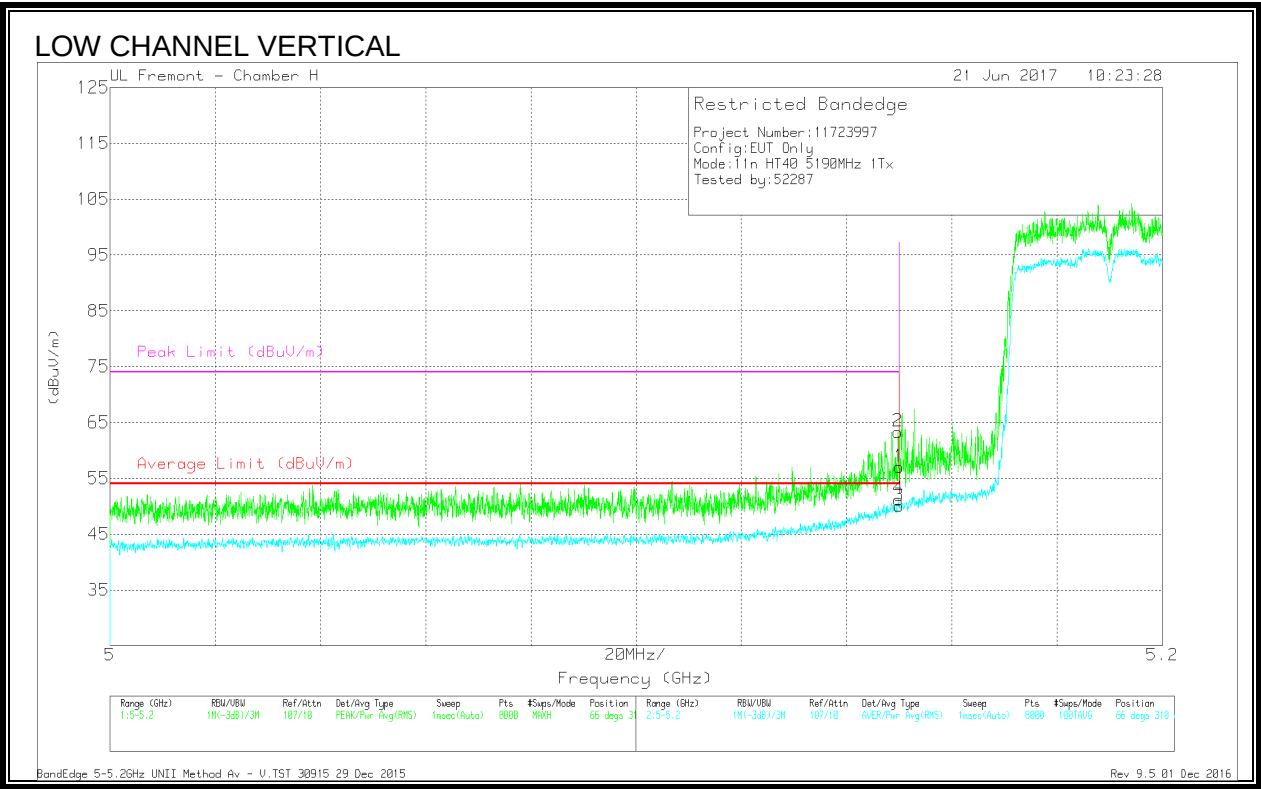
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BandEdge 5-5.2GHz UNII Method Av - H.TST 30915 29 Dec 2015

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Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T344 (dBm)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	47.23	Pk	34.2	-24.4	0	57.03	-	-	74	-16.97	66	310	V
2	* 5.15	53.54	Pk	34.2	-24.4	0	63.34	-	-	74	-10.66	66	310	V
3	* 5.15	40.16	RMS	34.2	-24.4	.1	50.06	54	-3.94	-	-	66	310	V
4	* 5.15	41.34	RMS	34.2	-24.4	.1	51.24	54	-2.76	-	-	66	310	V

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

Pk - Peak detector
RMS - RMS detection

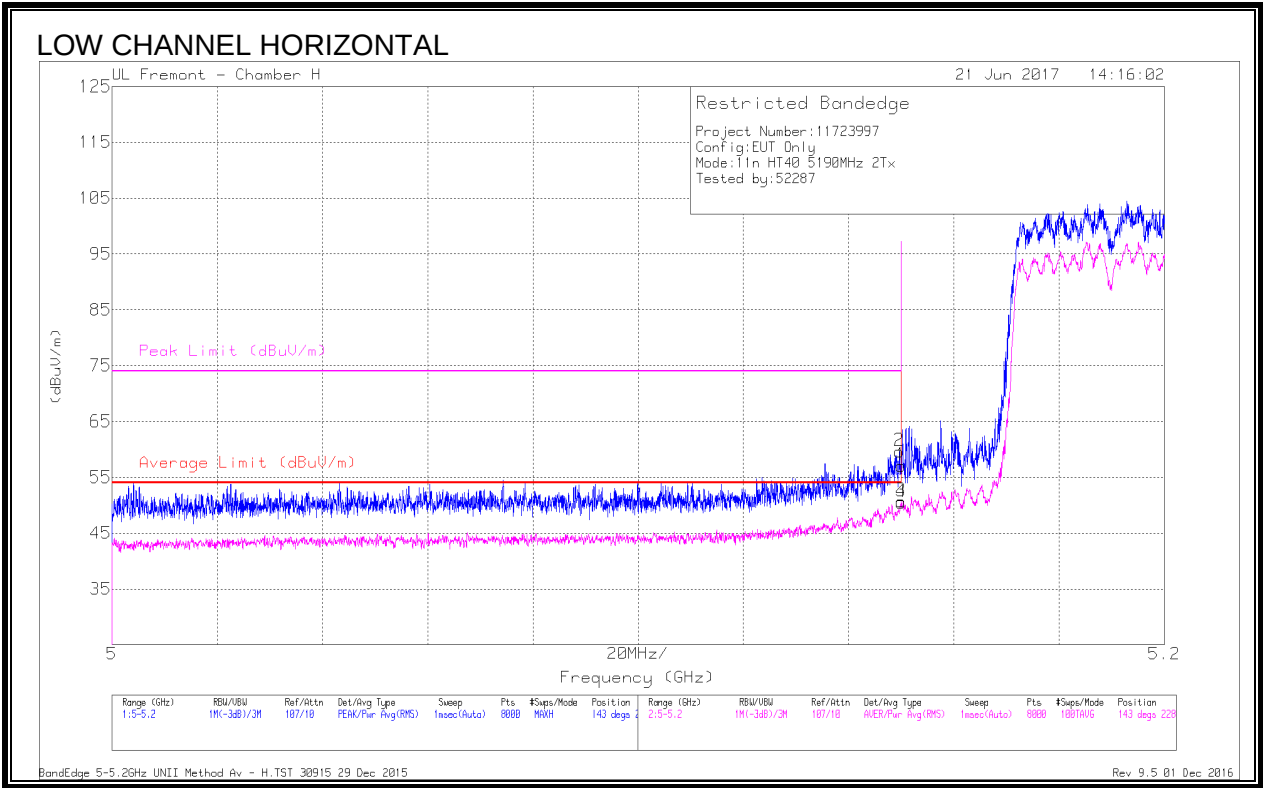
BandEdge 5-5.2GHz UNII Method Av - V.TST 30915 29 Dec 2015
Rev 9.5 01 Dec 2016

HARMONICS AND SPURIOUS EMISSIONS

NOTE: Covered by 11n HT40 2Tx

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

RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cb l/Fitr/P ad (dB)	DC Corr (dB)	Correct ed Reading (dBuV/ m)	Average Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	47.3	Pk	34.2	-24.4	0	57.1	-	-	74	-16.9	143	228	H
2	* 5.15	49.87	Pk	34.2	-24.4	0	59.67	-	-	74	-14.33	143	228	H
3	* 5.15	40.82	RMS	34.2	-24.4	.1	50.72	54	-3.28	-	-	143	228	H
4	* 5.15	40.63	RMS	34.2	-24.4	.1	50.53	54	-3.47	-	-	143	228	H

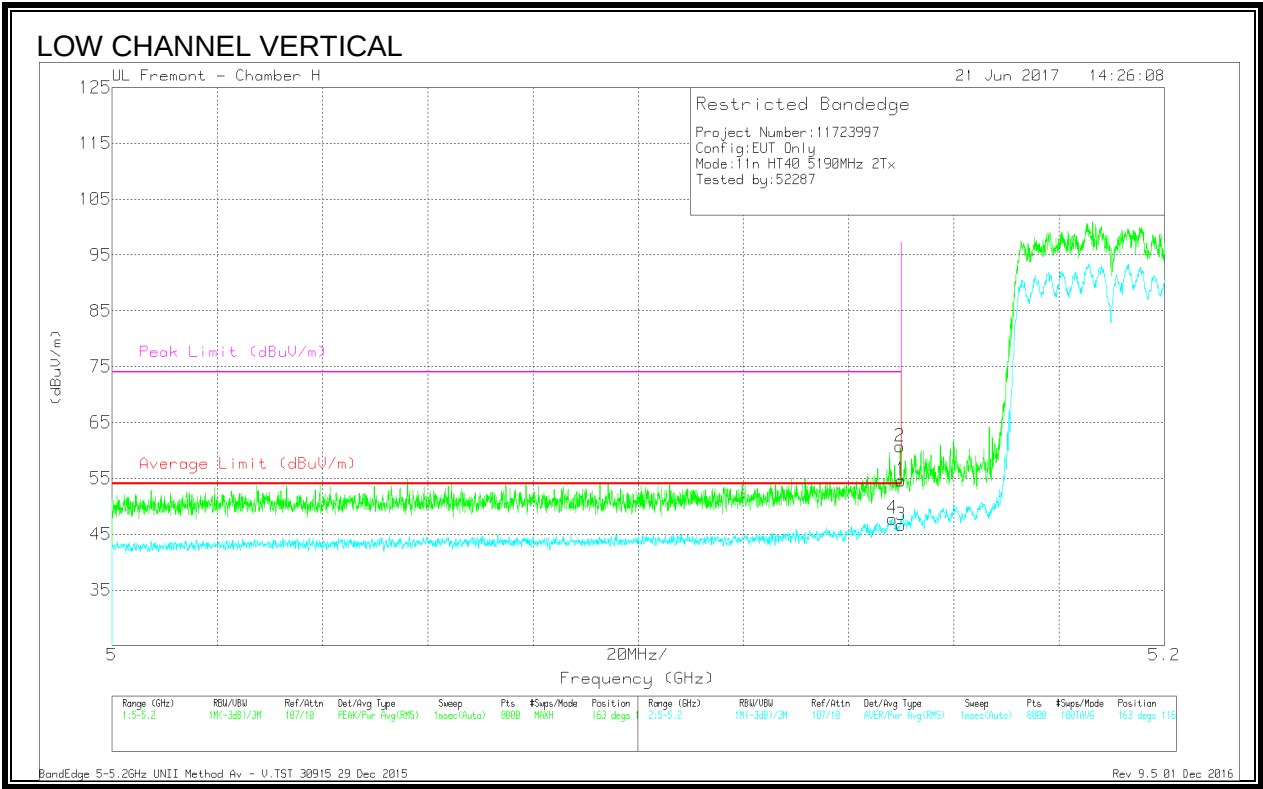
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 5.148	37.98	RMS	34.2	-24.4	-1	47.88	54	-6.12	-	-	163	116	V
1	* 5.15	44.85	Pk	34.2	-24.4	0	54.65	-	-	74	-19.35	163	116	V
2	* 5.15	50.88	Pk	34.2	-24.4	0	60.68	-	-	74	-13.32	163	116	V
3	* 5.15	36.84	RMS	34.2	-24.4	-1	46.74	54	-7.26	-	-	163	116	V

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

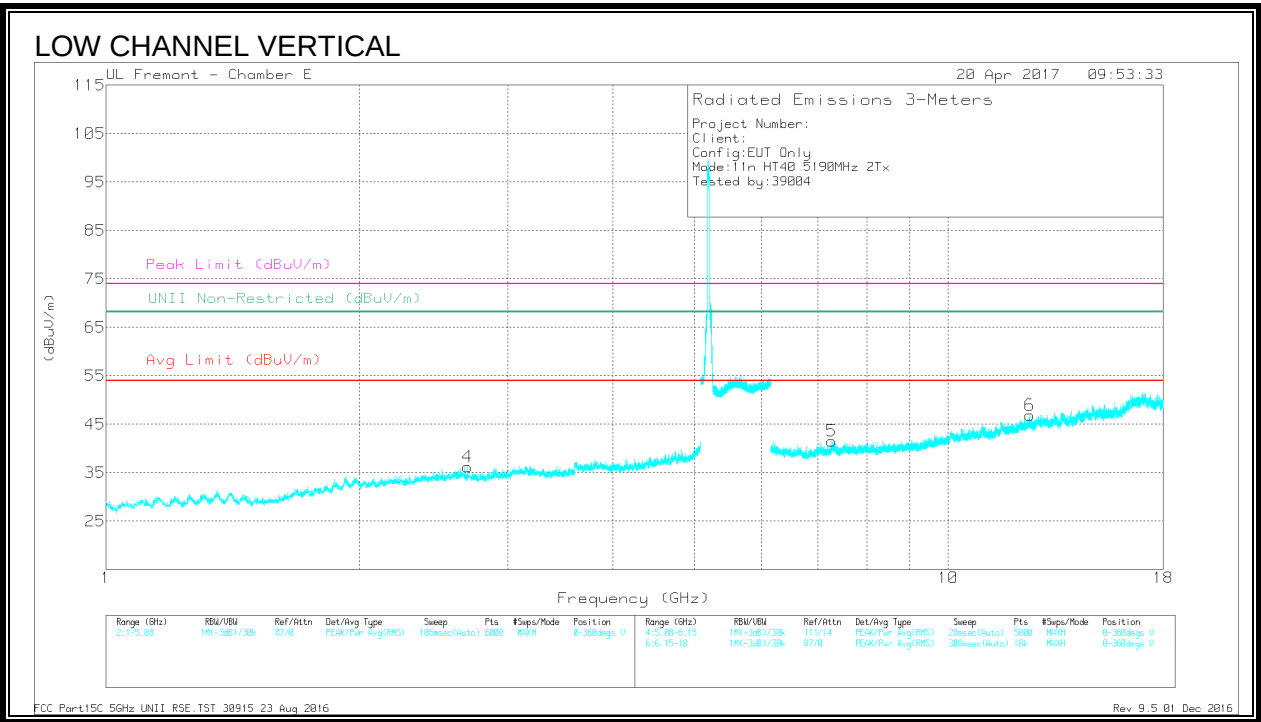
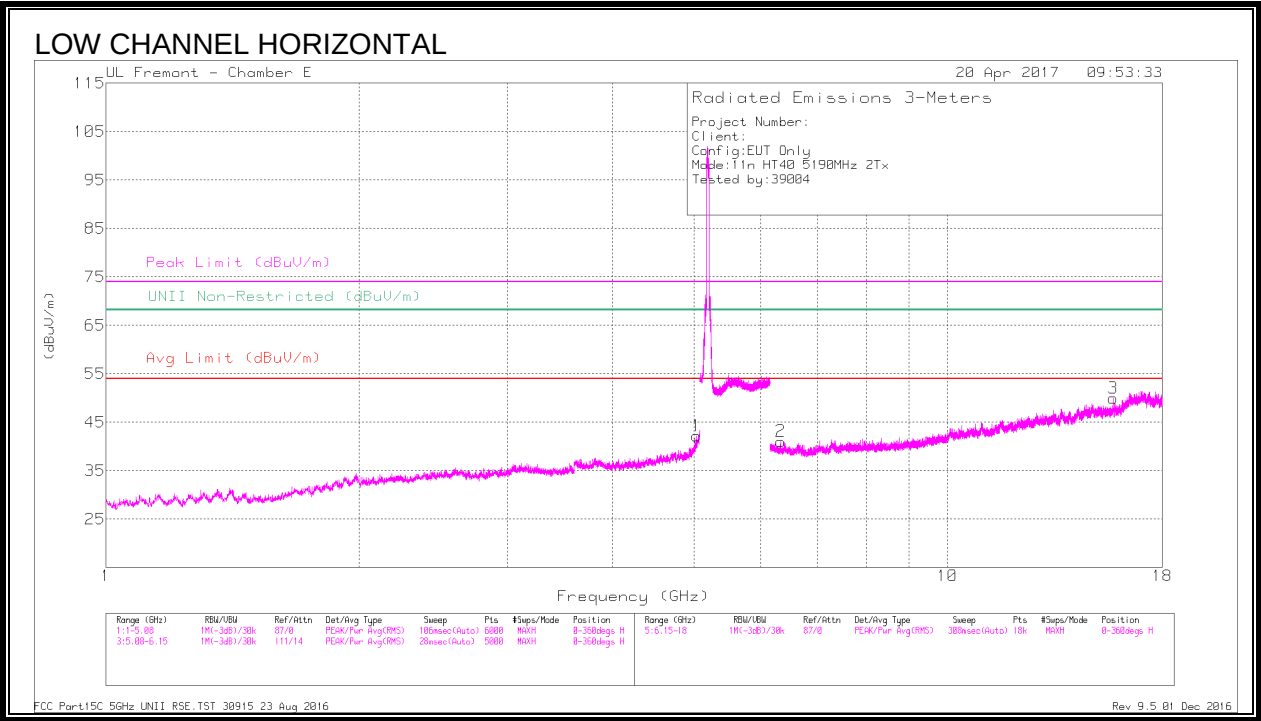
Pk - Peak detector

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



DATA

Marker	Frequen cy (GHz)	Meter Readin g (dBuV)	Det	AF T863 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	DC Corr (dB)	Correct ed Readin g (dBuV/ m)	Avg Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	UNII Non- Restrict ed (dBuV/ m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.035	43.18	PK-U	34.3	-28.4	0	49.08	-	-	74	-24.92	-	-	293	235	H
	* 5.035	30.61	ADR	34.3	-28.4	.1	36.61	54	-17.39	-	-	-	-	293	235	H
4	* 2.689	42.44	PK-U	32.4	-32.1	0	42.74	-	-	74	-31.26	-	-	0	266	V
	* 2.689	29.89	ADR	32.4	-32.1	.1	30.29	54	-23.71	-	-	-	-	0	266	V
3	* 15.731	37.12	PK-U	40.8	-21.6	0	56.32	-	-	74	-17.68	-	-	55	135	H
	* 15.733	25.14	ADR	40.8	-21.6	.1	44.44	54	-9.56	-	-	-	-	55	135	H
5	* 7.277	38.19	PK-U	35.9	-26.2	0	47.89	-	-	74	-26.11	-	-	20	181	V
	* 7.276	26.71	ADR	35.9	-26.2	.1	36.51	54	-17.49	-	-	-	-	20	181	V
6	* 12.486	37.17	PK-U	39.3	-23.3	0	53.17	-	-	74	-20.83	-	-	305	329	V
	* 12.489	25.36	ADR	39.3	-23.4	.1	41.36	54	-12.64	-	-	-	-	305	329	V
2	6.34	40.52	PK-U	35.6	-28.8	0	47.32	-	-	-	-	68.2	-20.88	41	189	H

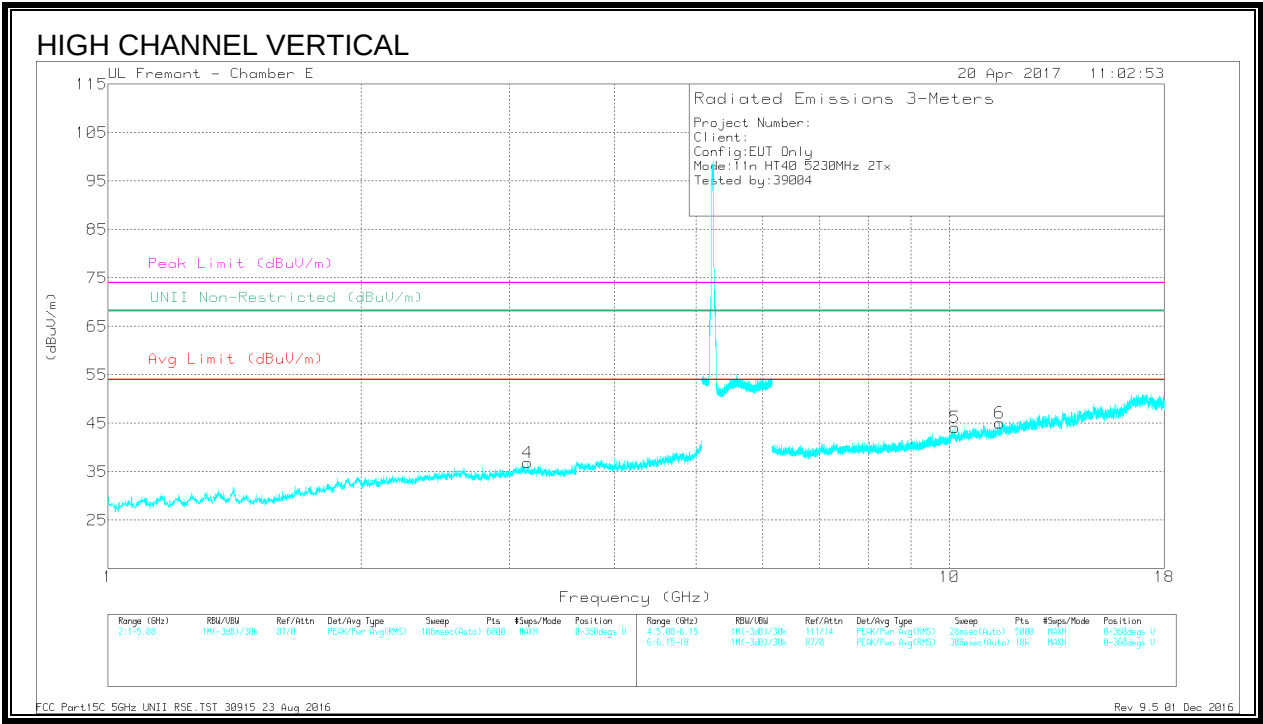
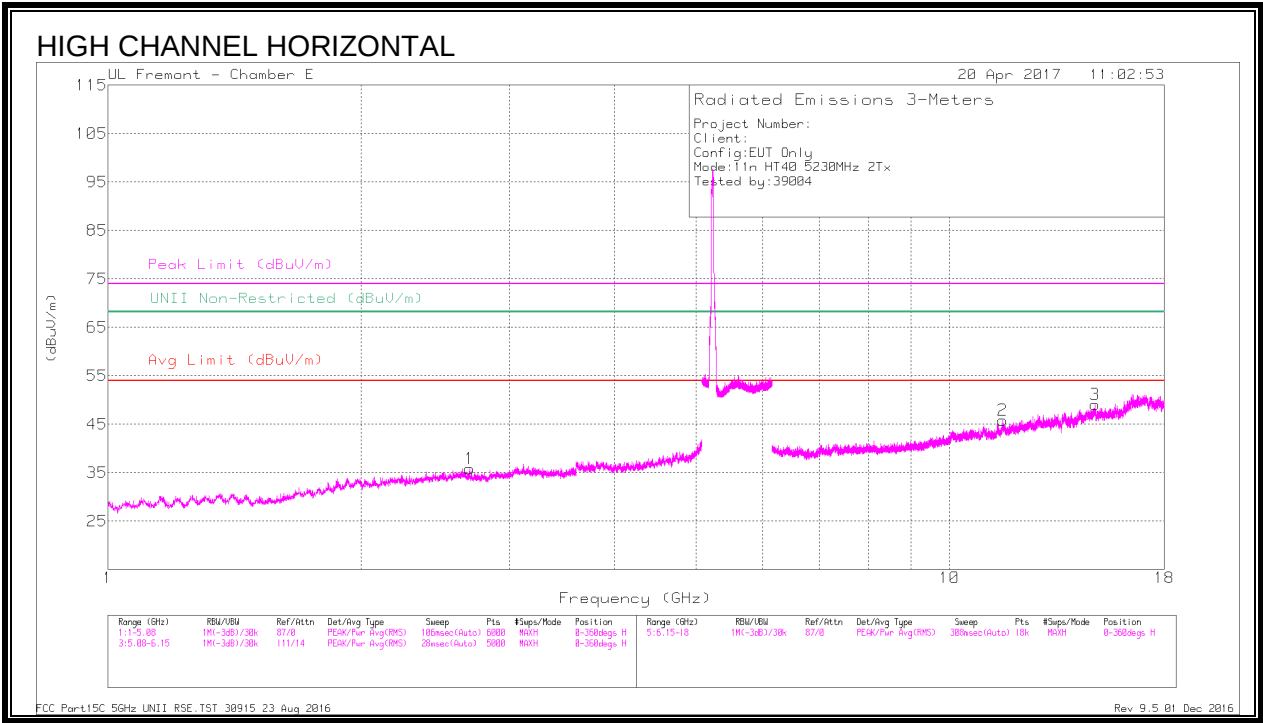
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

FCC Part15C 5GHz UNII RSE.TST 30915 23 Aug 2016

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DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.69	41.95	PK-U	32.4	-32.1	0	42.25	-	-	74	-31.75	-	-	116	302	H
	* 2.69	29.9	ADR	32.4	-32.1	.1	30.3	54	-23.7	-	-	-	-	116	302	H
2	* 11.574	35.68	PK-U	38.1	-21.9	0	51.88	-	-	74	-22.12	-	-	94	391	H
	* 11.572	24.39	ADR	38.1	-22	.1	40.59	54	-13.41	-	-	-	-	94	391	H
6	* 11.47	36.19	PK-U	38.1	-23.9	0	50.39	-	-	74	-23.61	-	-	17	220	V
	* 11.471	24.84	ADR	38.1	-23.9	.1	39.14	54	-14.86	-	-	-	-	17	220	V
4	3.155	41.89	PK-U	33.2	-31.4	0	43.69	-	-	-	-	68.2	-24.51	44	115	V
5	10.152	37.28	PK-U	37.3	-24.2	0	50.38	-	-	-	-	68.2	-17.82	62	178	V
3	14.901	36.55	PK-U	40.6	-22.9	0	54.25	-	-	-	-	68.2	-13.95	22	127	H

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

PK-U - U-NII: Maximum Peak

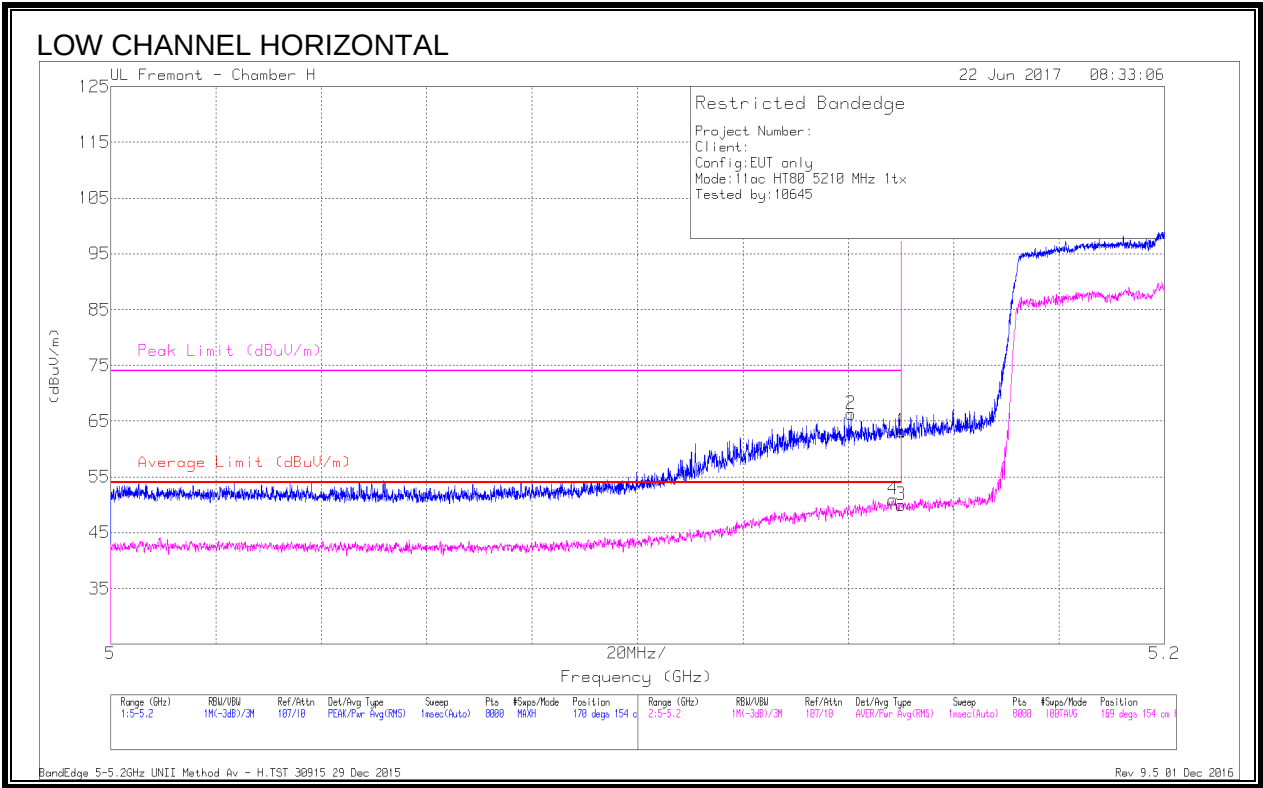
ADR - U-NII AD primary method, RMS average

FCC Part15C 5GHz UNII RSE.TST 30915 23 Aug 2016

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

RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cb l/Filtr/Pa d (dB)	DC Corr (dB)	Correcte d Reading (dBuV/ m)	Average Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	53.38	Pk	34.2	-24.4	0	63.18	-	-	74	-10.82	170	154	H
2	* 5.141	56.45	Pk	34.2	-24.4	0	66.25	-	-	74	-7.75	170	154	H
3	* 5.15	40.22	RMS	34.2	-24.4	.2	50.22	54	-3.78	-	-	169	154	H
4	* 5.148	41.22	RMS	34.2	-24.4	.2	51.22	54	-2.78	-	-	169	154	H

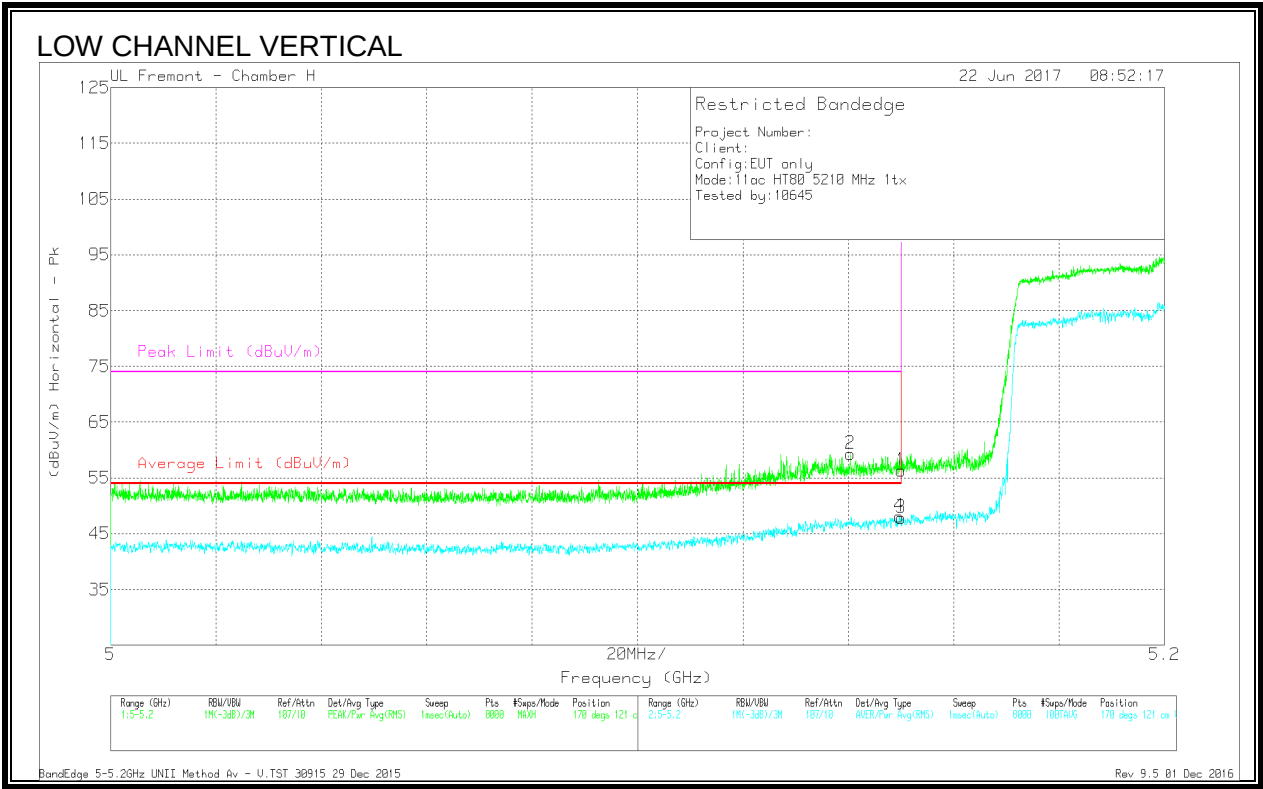
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BandEdge 5-5.2GHz UNII Method Av - H.TST 30915 29 Dec 2015

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Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fitr/P ad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	46.54	Pk	34.2	-24.4	0	56.34	-	-	74	-17.66	170	121	V
2	* 5.14	49.55	Pk	34.2	-24.4	0	59.35	-	-	74	-14.65	170	121	V
3	* 5.15	38.04	RMS	34.2	-24.4	.2	48.04	54	-5.96	-	-	170	121	V
4	* 5.15	38.27	RMS	34.2	-24.4	.2	48.27	54	-5.73	-	-	170	121	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

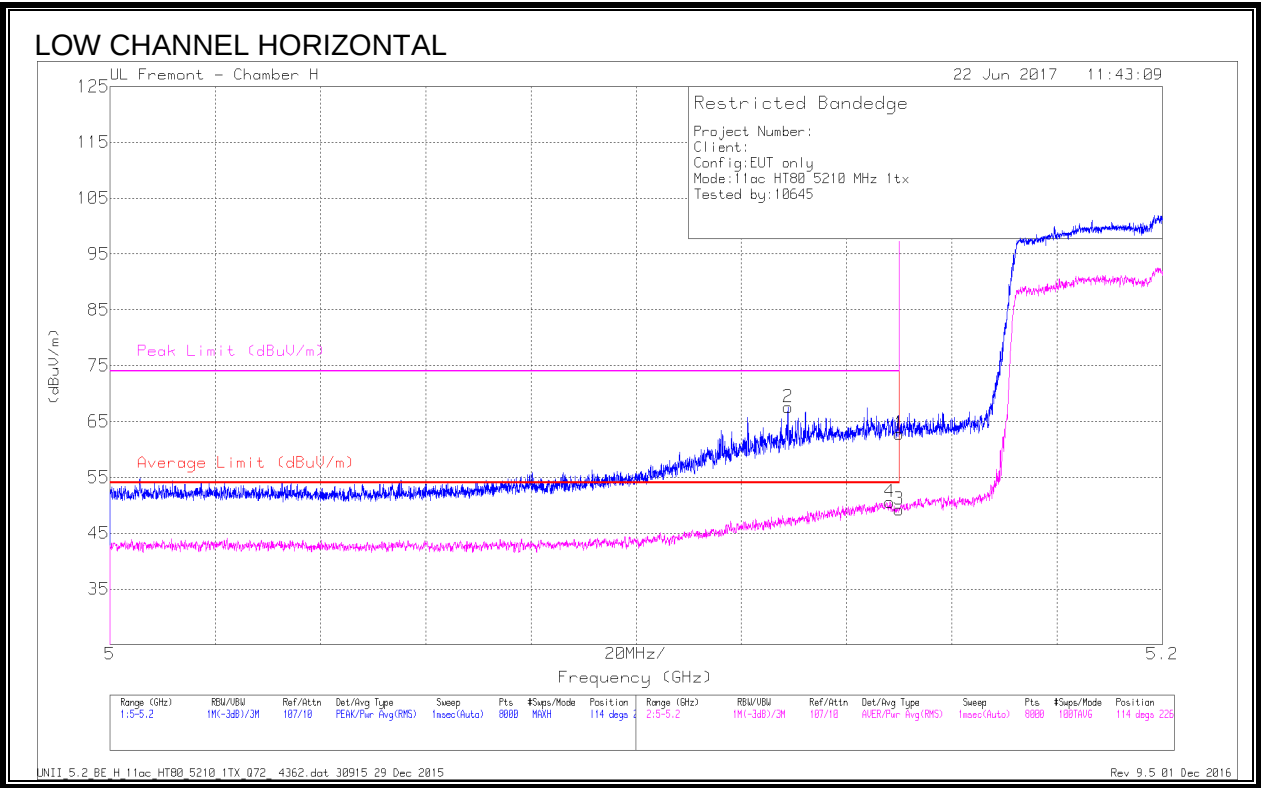
Rev 9.5 01 Dec 2016

HARMONICS AND SPURIOUS EMISSIONS

NOTE: Covered by 11ac VHT80 CDD 2TX Testing

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

RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.129	57.63	Pk	34.2	-24.3	0	67.53	-	-	74	-6.47	114	226	H
4	* 5.148	40.78	RMS	34.2	-24.4	.2	50.78	54	-3.22	-	-	114	226	H
1	* 5.15	53	Pk	34.2	-24.4	0	62.8	-	-	74	-11.2	114	226	H
3	* 5.15	39.44	RMS	34.2	-24.4	.2	49.44	54	-4.56	-	-	114	226	H

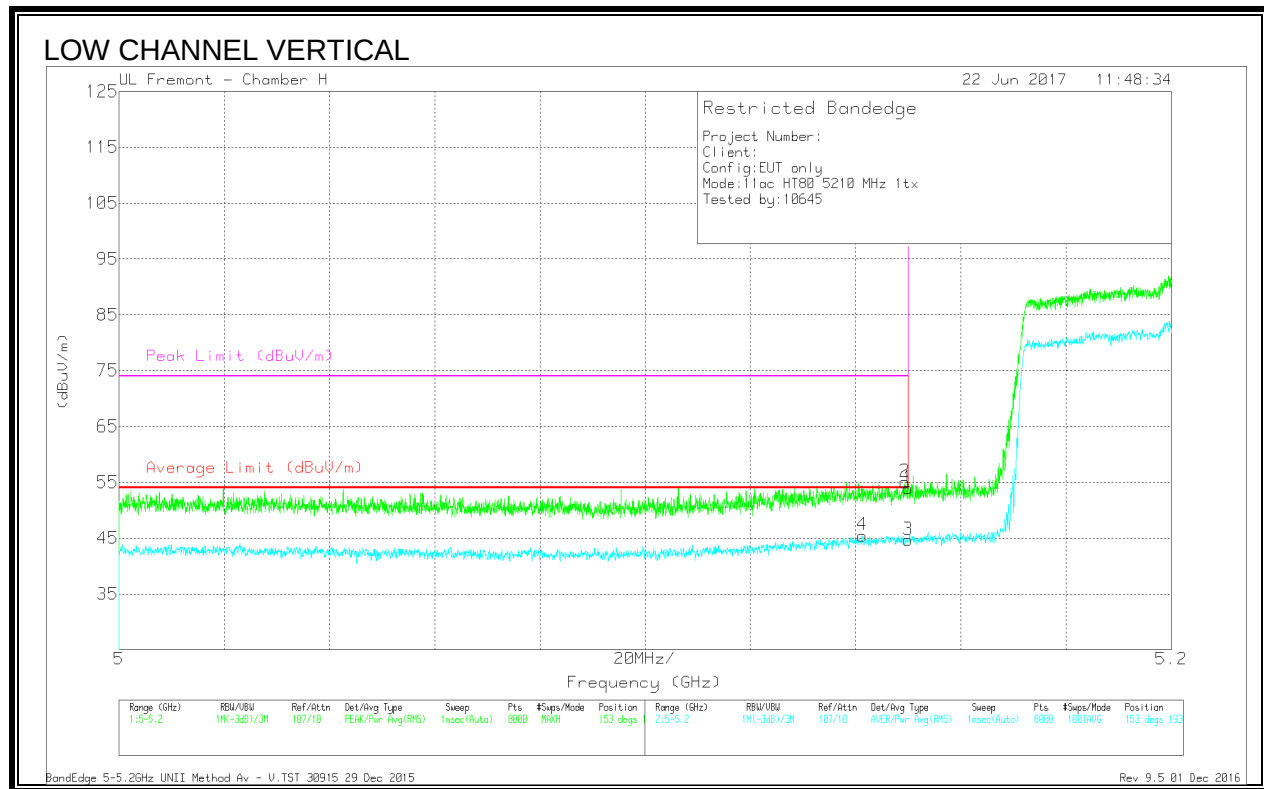
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

UNII_5.2_BE_H_11ac_HT80_5210_1TX_Q72_4362.dat 30915 29 Dec 2015

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Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fitr/P ad (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	44.19	Pk	34.2	-24.4	0	53.99	-	-	74	-20.01	153	193	V
2	* 5.149	45.25	Pk	34.2	-24.4	0	55.05	-	-	74	-18.95	153	193	V
3	* 5.15	34.91	RMS	34.2	-24.4	.2	44.91	54	-9.09	-	-	153	193	V
4	* 5.141	35.7	RMS	34.2	-24.4	.2	45.7	54	-8.3	-	-	153	193	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

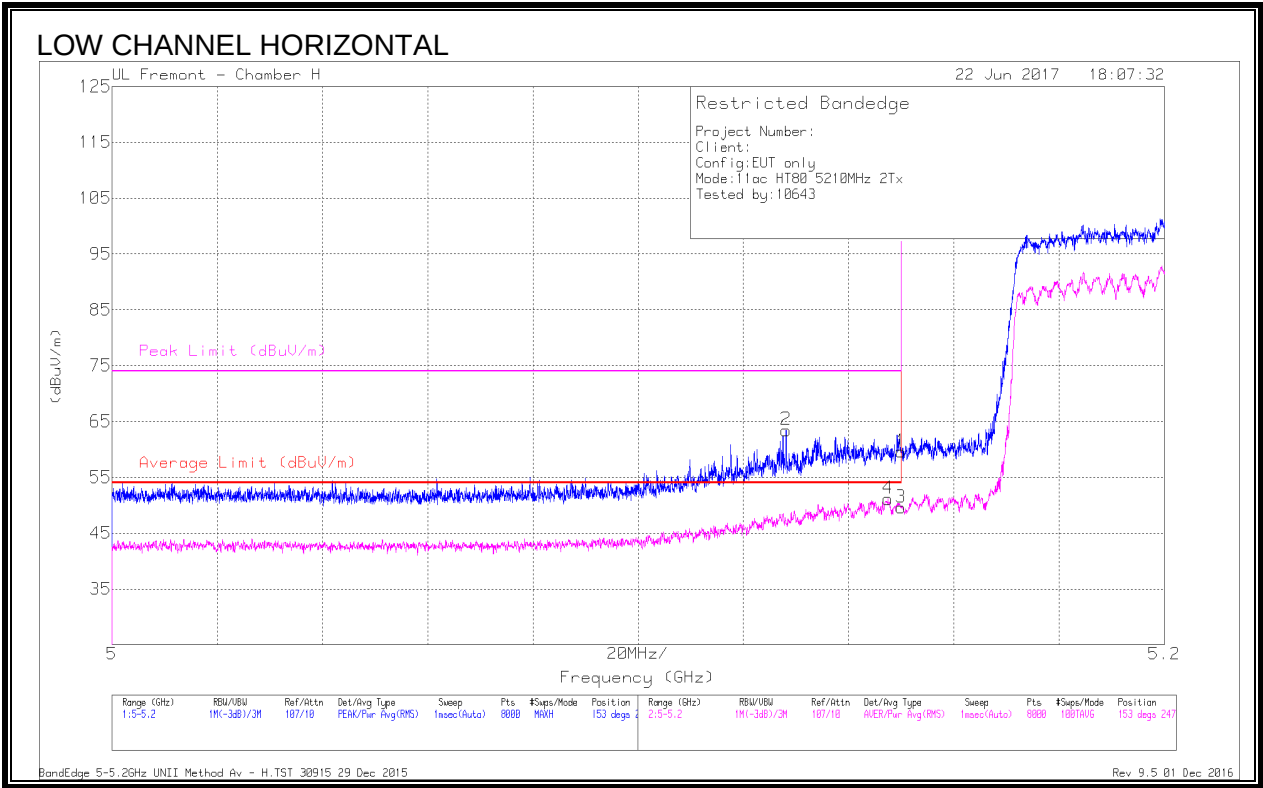
Rev 9.5 01 Dec 2016

HARMONICS AND SPURIOUS EMISSIONS

NOTE: Covered by 11ac VHT80 CDD 2TX Testing

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

RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cb l/Filtr/Pa d (dB)	DC Corr (dB)	Correcte d Reading (dBuV/ m)	Average Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	49.79	Pk	34.2	-24.4	0	59.59	-	-	74	-14.41	153	247	H
2	* 5.128	53.56	Pk	34.2	-24.3	0	63.46	-	-	74	-10.54	153	247	H
3	* 5.15	39.78	RMS	34.2	-24.4	.2	49.78	54	-4.22	-	-	153	247	H
4	* 5.147	41.33	RMS	34.2	-24.4	.2	51.33	54	-2.67	-	-	153	247	H

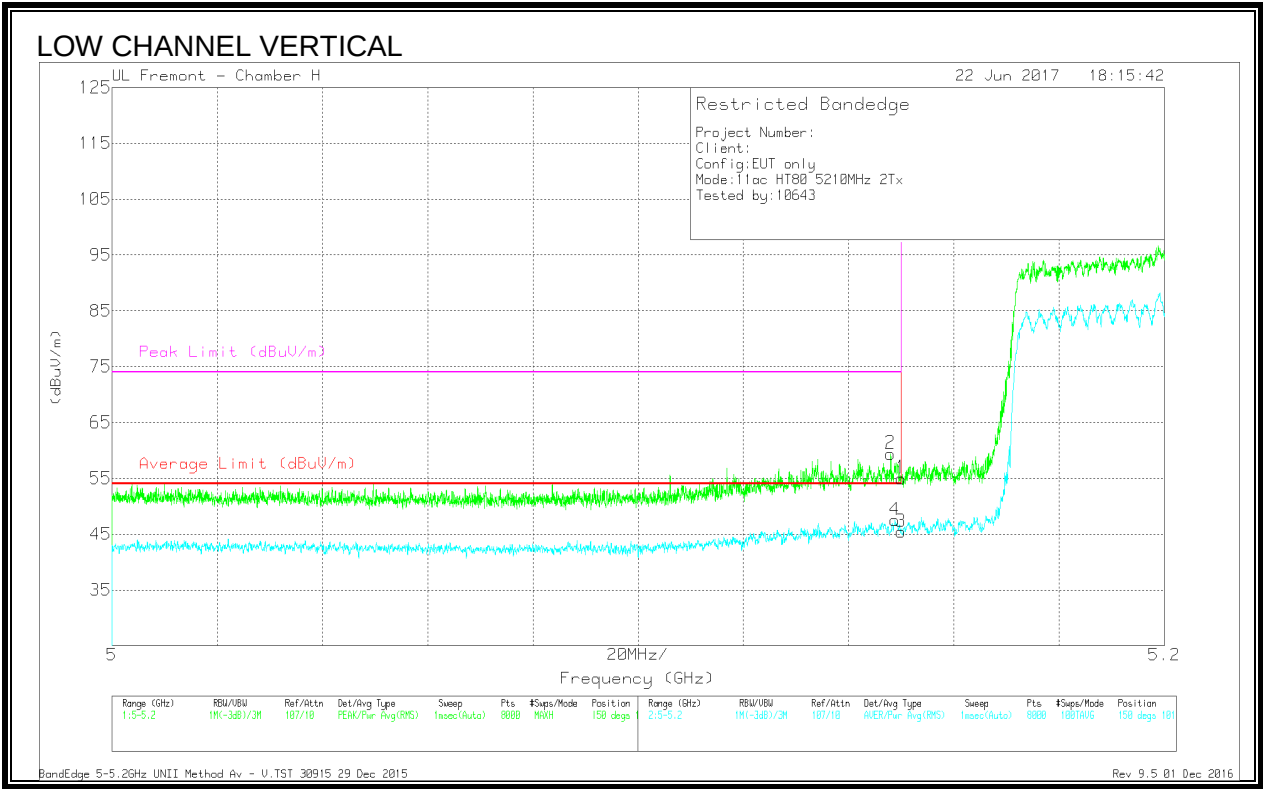
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BandEdge 5-5.2GHz UNII Method Av - H.TST 30915 29 Dec 2015

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Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fitr/P ad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	45.22	Pk	34.2	-24.4	0	55.02	-	-	74	-18.98	150	101	V
2	* 5.148	49.61	Pk	34.2	-24.4	0	59.41	-	-	74	-14.59	150	101	V
3	* 5.15	35.63	RMS	34.2	-24.4	.2	45.63	54	-8.37	-	-	150	101	V
4	* 5.149	37.72	RMS	34.2	-24.4	.2	47.72	54	-6.28	-	-	150	101	V

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

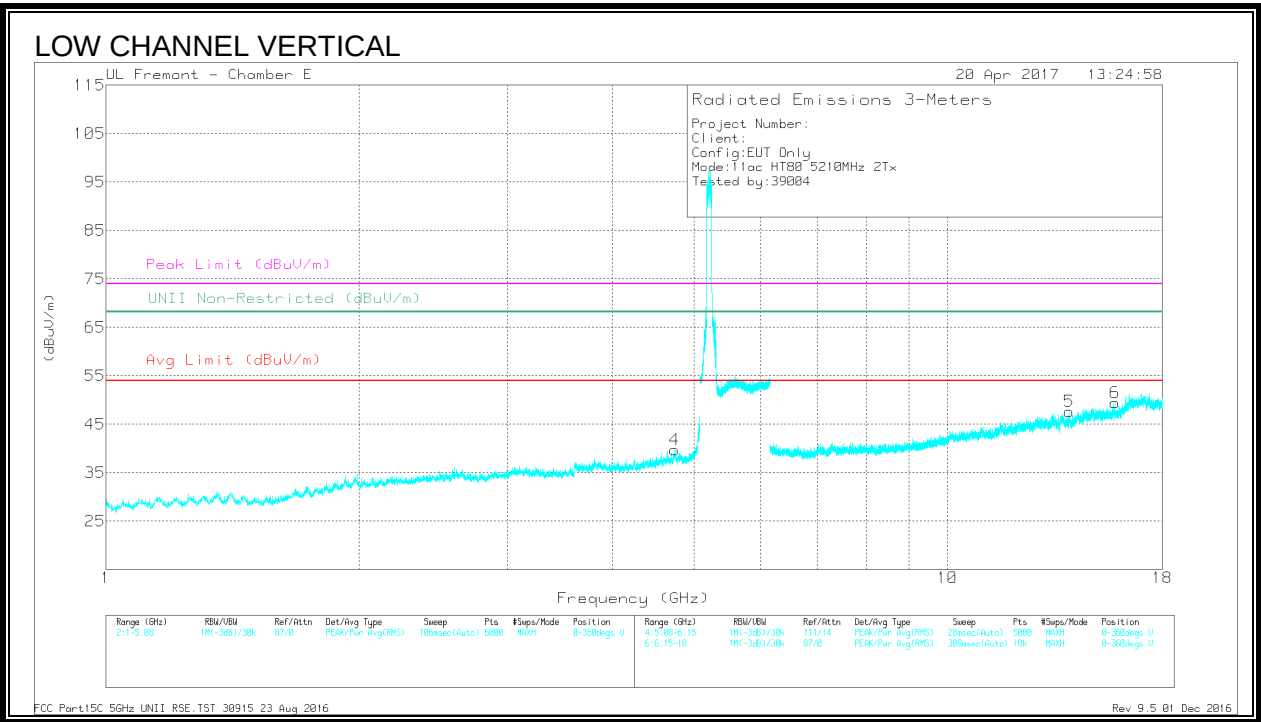
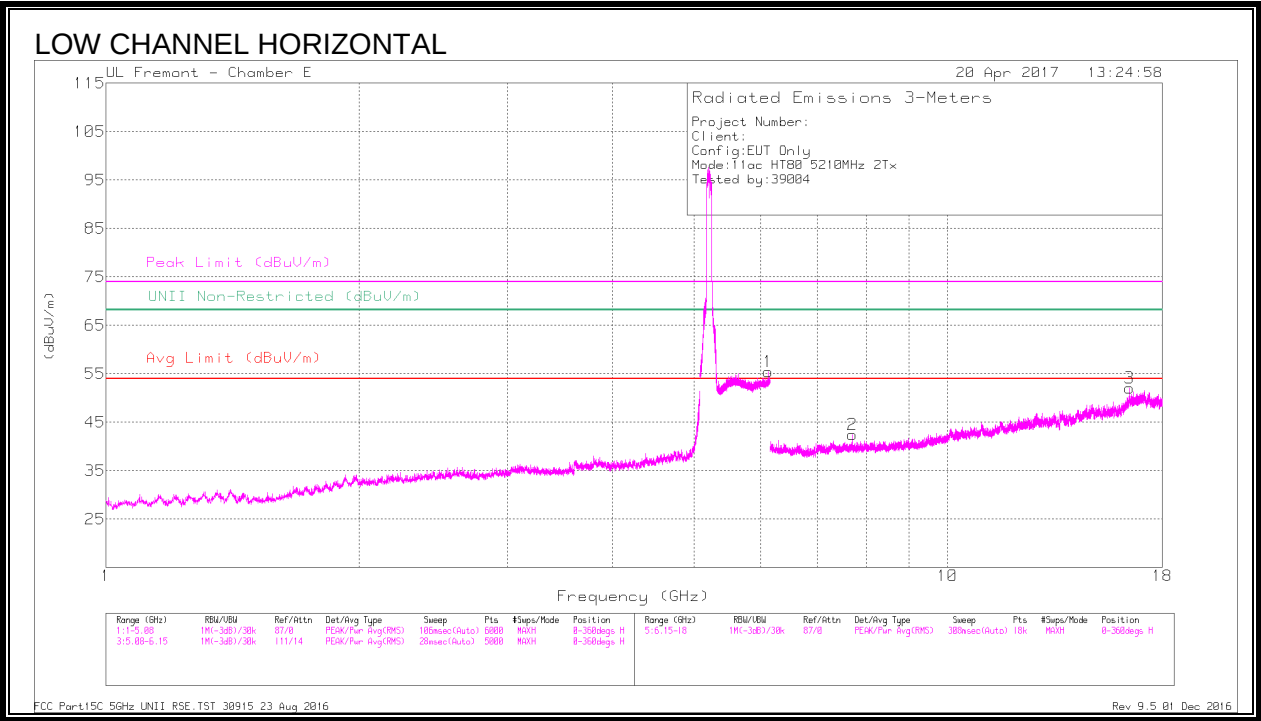
Pk - Peak detector

RMS - RMS detection

BandEdge 5-5.2GHz UNII Method Av - V.TST 30915 29 Dec 2015

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HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 4.741	40.9	PK-U	34.3	-28.9	0	46.3	-	-	74	-27.7	-	-	70	263	V
	* 4.743	29.4	ADR	34.3	-29	.2	34.9	54	-19.1	-	-	-	-	70	263	V
2	* 7.706	38.8	PK-U	36.1	-27	0	47.9	-	-	74	-26.1	-	-	44	371	H
	* 7.707	27.15	ADR	36.1	-27	.2	36.45	54	-17.55	-	-	-	-	44	371	H
6	* 15.82	37.29	PK-U	40.9	-22.9	0	55.29	-	-	74	-18.71	-	-	354	217	V
	* 15.82	25.88	ADR	41	-22.9	.2	44.18	54	-9.82	-	-	-	-	354	217	V
1	6.118	44.13	PK-U	35.6	-18.5	0	61.23	-	-	-	-	68.2	-6.97	339	111	H
5	13.94	38.38	PK-U	39.3	-23.8	0	53.88	-	-	-	-	68.2	-14.32	256	150	V
3	16.45	37	PK-U	41.8	-21.1	0	57.7	-	-	-	-	68.2	-10.5	289	125	H

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

PK-U - U-NII: Maximum Peak

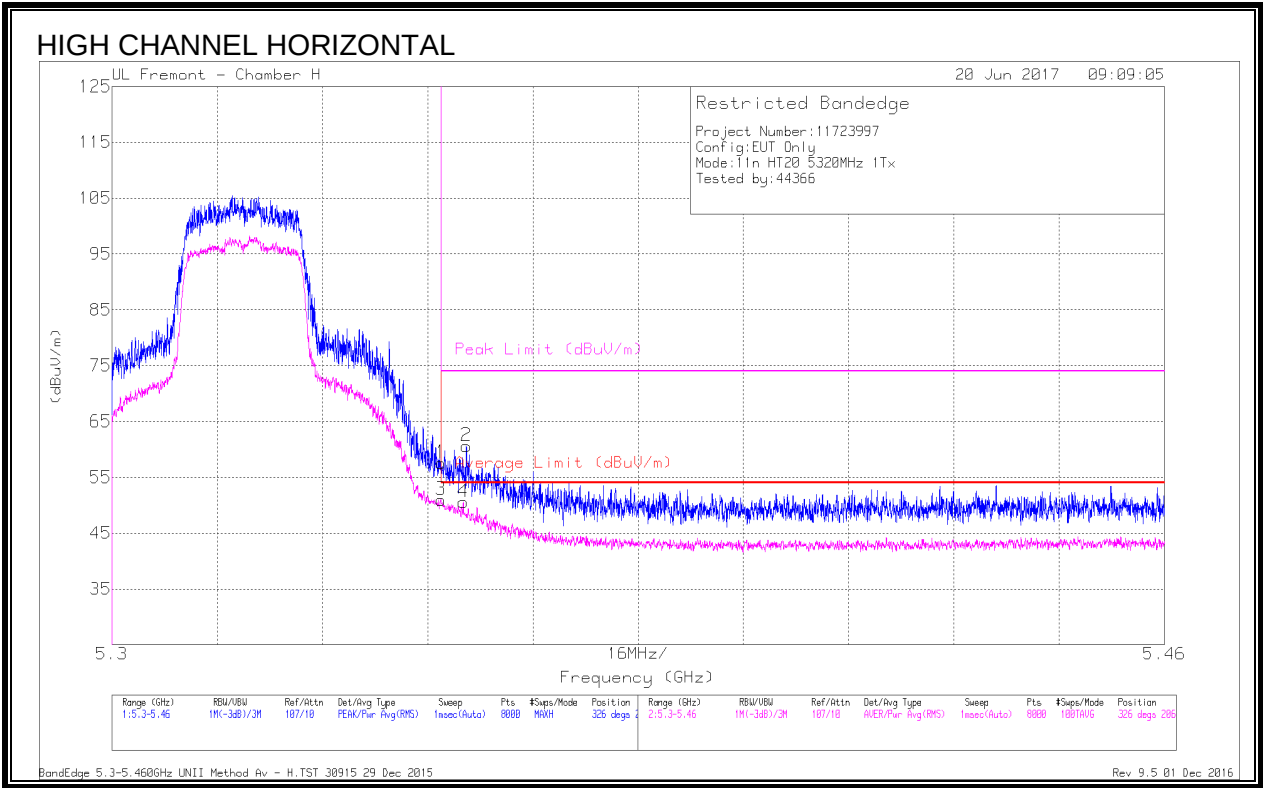
ADR - U-NII AD primary method, RMS average

FCC Part15C 5GHz UNII RSE.TST 30915 23 Aug 2016

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

AUTHORIZED BANDEDGE (HIGH CHANNEL)



Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl /Filtr/Pa d (dB)	Correcte d Reading (dBuV/ m)	Average Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	47.26	Pk	34.6	-24.3	57.56	-	-	74	-16.44	326	206	H
2	* 5.354	50.34	Pk	34.6	-24.3	60.64	-	-	74	-13.36	326	206	H
3	* 5.35	40.68	RMS	34.6	-24.3	50.98	54	-3.02	-	-	326	206	H
4	* 5.353	40.25	RMS	34.6	-24.3	50.55	54	-3.45	-	-	326	206	H

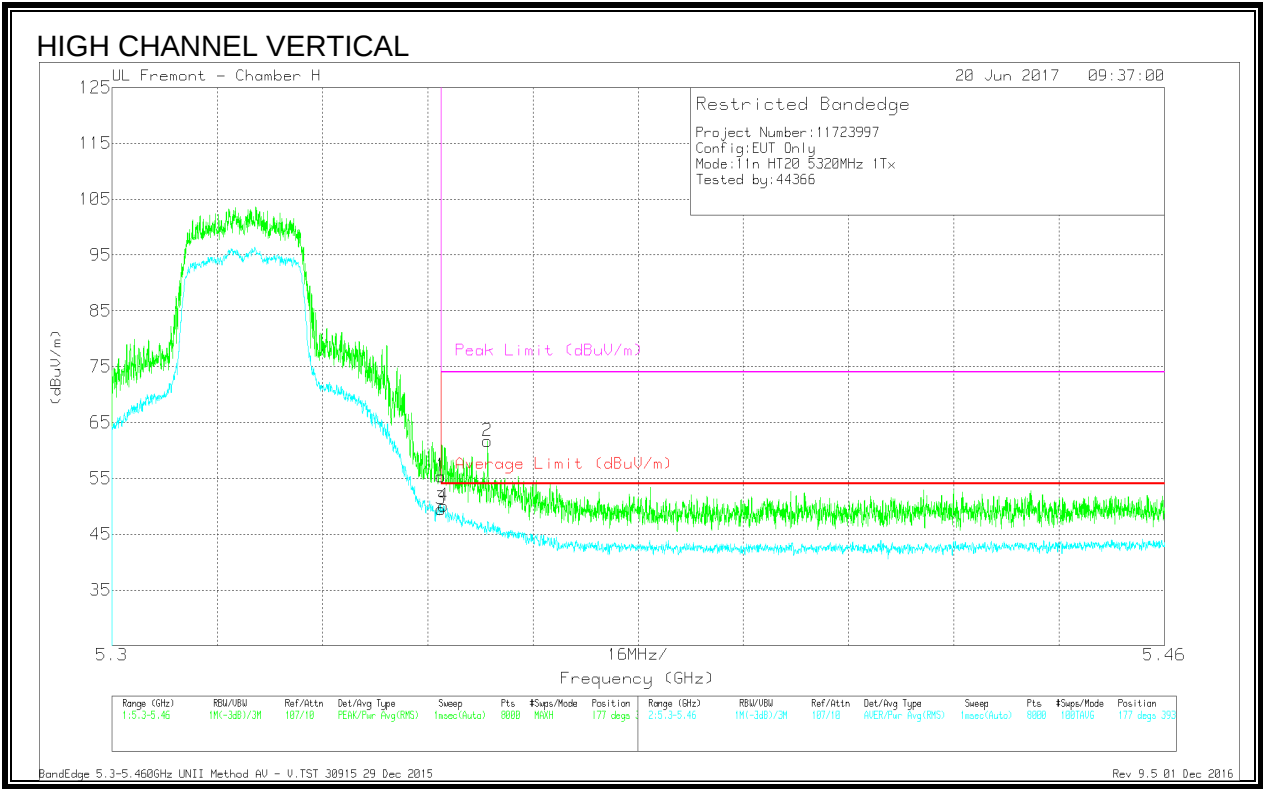
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BandEdge 5.3-5.460GHz UNII Method Av - H.TST 30915 29 Dec 2015

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Marker	Frequency (GHz)	Meter Reading (dBUV)	Det	AF T344 (dB/m)	Amp/Cbl/Fitr/P ad (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	45.07	Pk	34.6	-24.3	55.37	-	-	74	-18.63	177	393	V
2	* 5.357	51.26	Pk	34.6	-24.2	61.66	-	-	74	-12.34	177	393	V
3	* 5.35	39.19	RMS	34.6	-24.3	49.49	54	-4.51	-	-	177	393	V
4	* 5.35	39.76	RMS	34.6	-24.3	50.06	54	-3.94	-	-	177	393	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

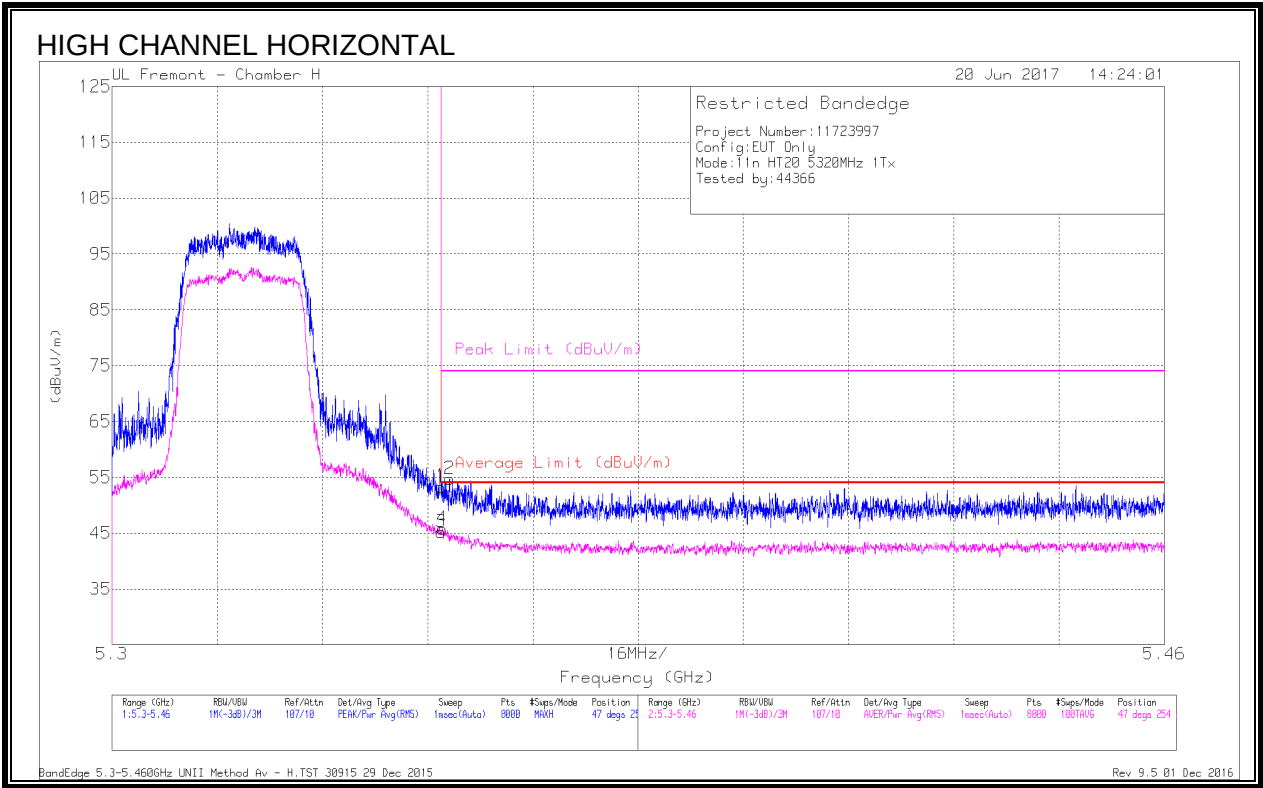
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HARMONICS AND SPURIOUS EMISSIONS

NOTE: Covered by 11n HT20 2TX

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

AUTHORIZED BANDEDGE (HIGH CHANNEL)



Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	43.01	Pk	34.6	-24.3	53.31	-	-	74	-20.69	47	254	H
3	* 5.35	34.88	RMS	34.6	-24.3	45.18	54	-8.82	-	-	47	254	H
4	* 5.35	35.49	RMS	34.6	-24.3	45.79	54	-8.21	-	-	47	254	H
2	* 5.351	44.41	Pk	34.6	-24.3	54.71	-	-	74	-19.29	47	254	H

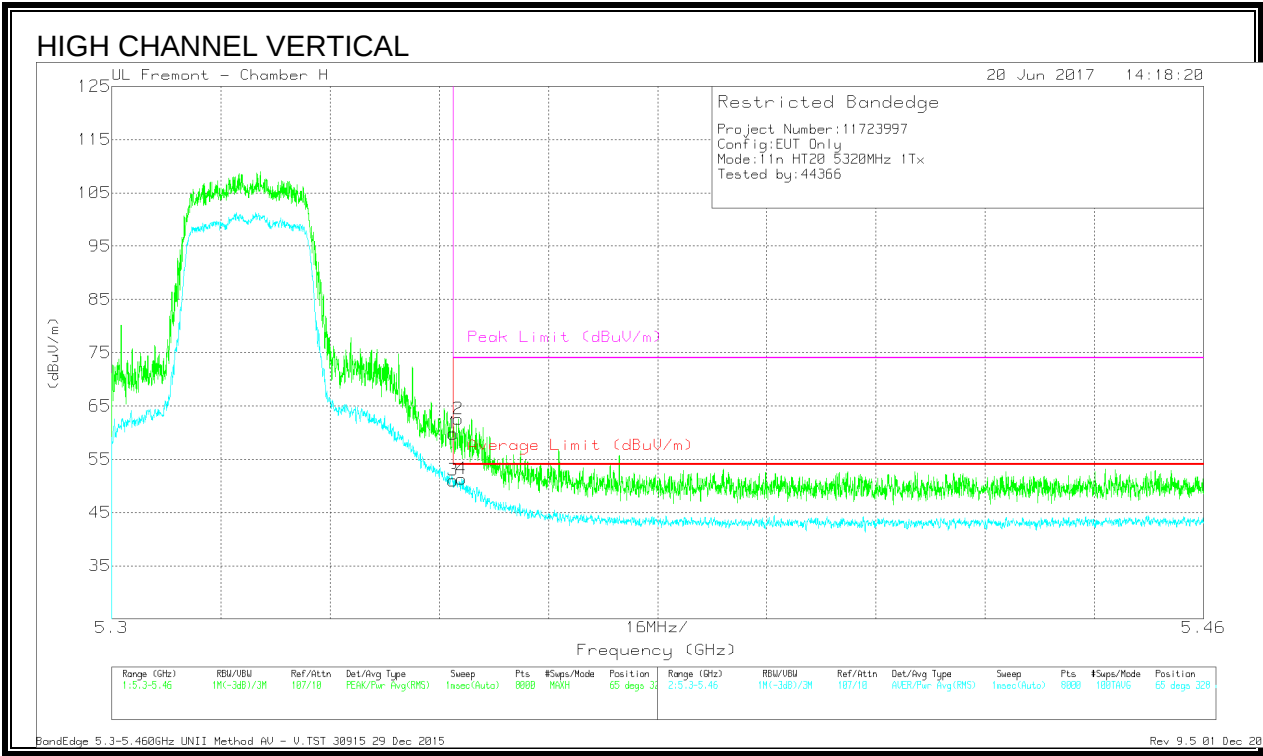
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

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Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cb/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	49.51	Pk	34.6	-24.3	59.81	-	-	74	-14.19	65	328	V
3	* 5.35	40.71	RMS	34.6	-24.3	51.01	54	-2.99	-	-	65	328	V
2	* 5.351	52.24	Pk	34.6	-24.3	62.54	-	-	74	-11.46	65	328	V
4	* 5.351	40.98	RMS	34.6	-24.3	51.28	54	-2.72	-	-	65	328	V

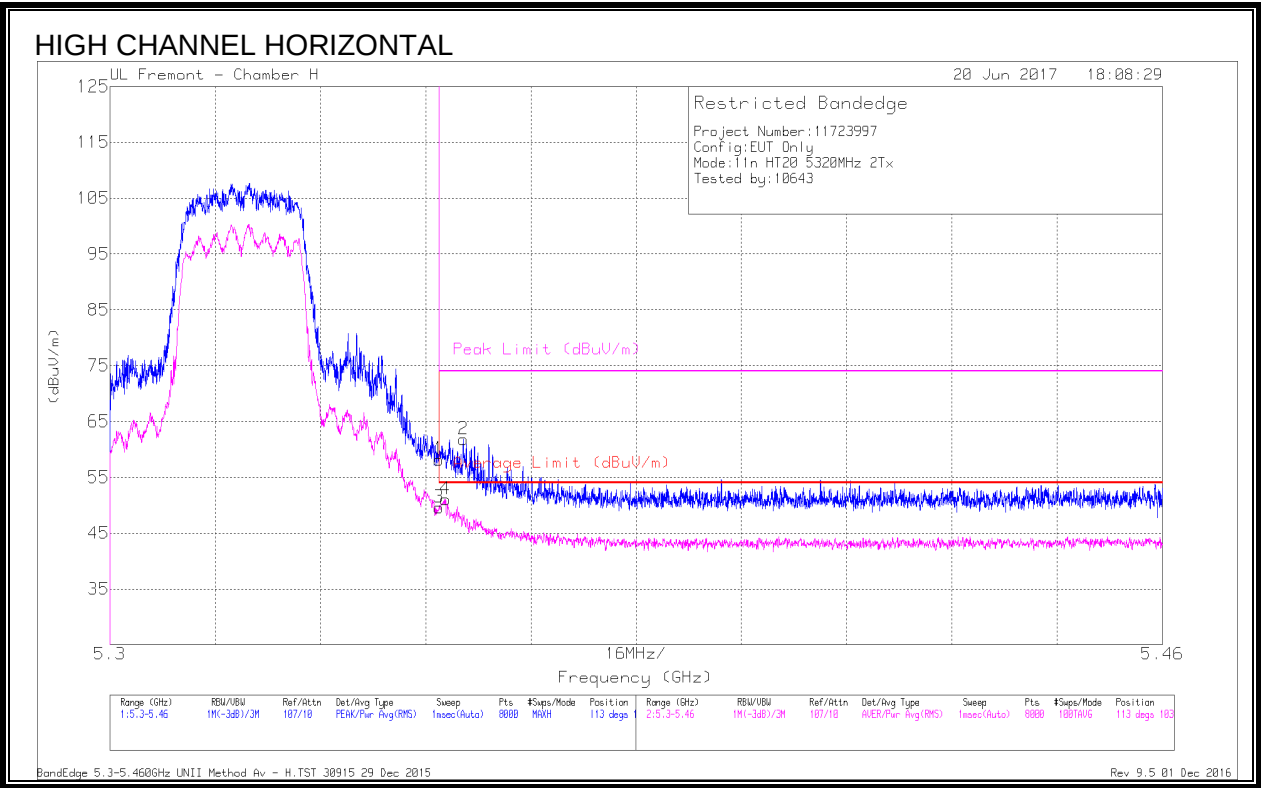
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

NOTE: Covered by 11n HT20 2Tx

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

AUTHORIZED BANDEDGE (HIGH CHANNEL)



Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl /Ftr/Pad (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	47.89	Pk	34.6	-24.3	58.19	-	-	74	-15.81	113	103	H
3	* 5.35	39.26	RMS	34.6	-24.3	49.56	54	-4.44	-	-	113	103	H
4	* 5.351	40.77	RMS	34.6	-24.3	51.07	54	-2.93	-	-	113	103	H
2	* 5.354	51.52	Pk	34.6	-24.3	61.82	-	-	74	-12.18	113	103	H

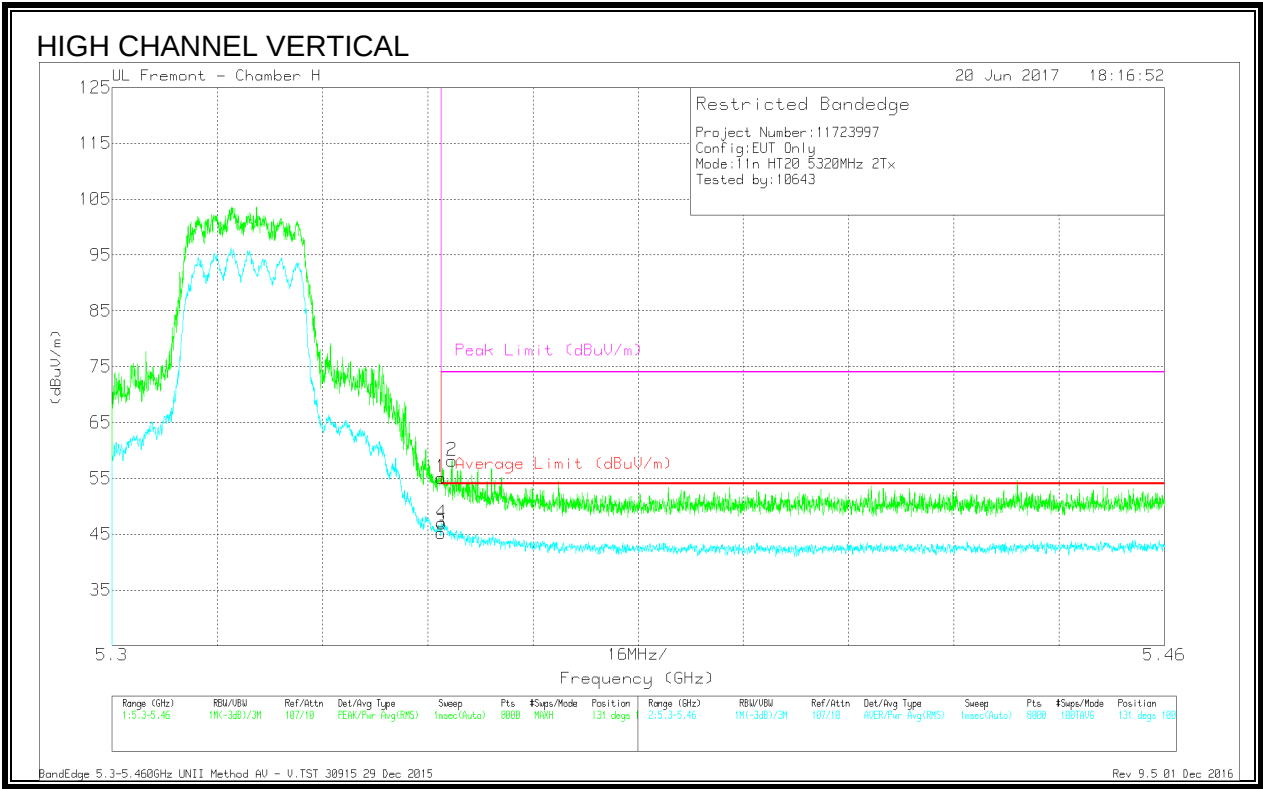
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

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Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fitr/P ad (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	44.85	Pk	34.6	-24.3	55.15	-	-	74	-18.85	131	100	V
2	* 5.352	47.89	Pk	34.6	-24.3	58.19	-	-	74	-15.81	131	100	V
3	* 5.35	34.95	RMS	34.6	-24.3	45.25	54	-8.75	-	-	131	100	V
4	* 5.35	36.69	RMS	34.6	-24.3	46.99	54	-7.01	-	-	131	100	V

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

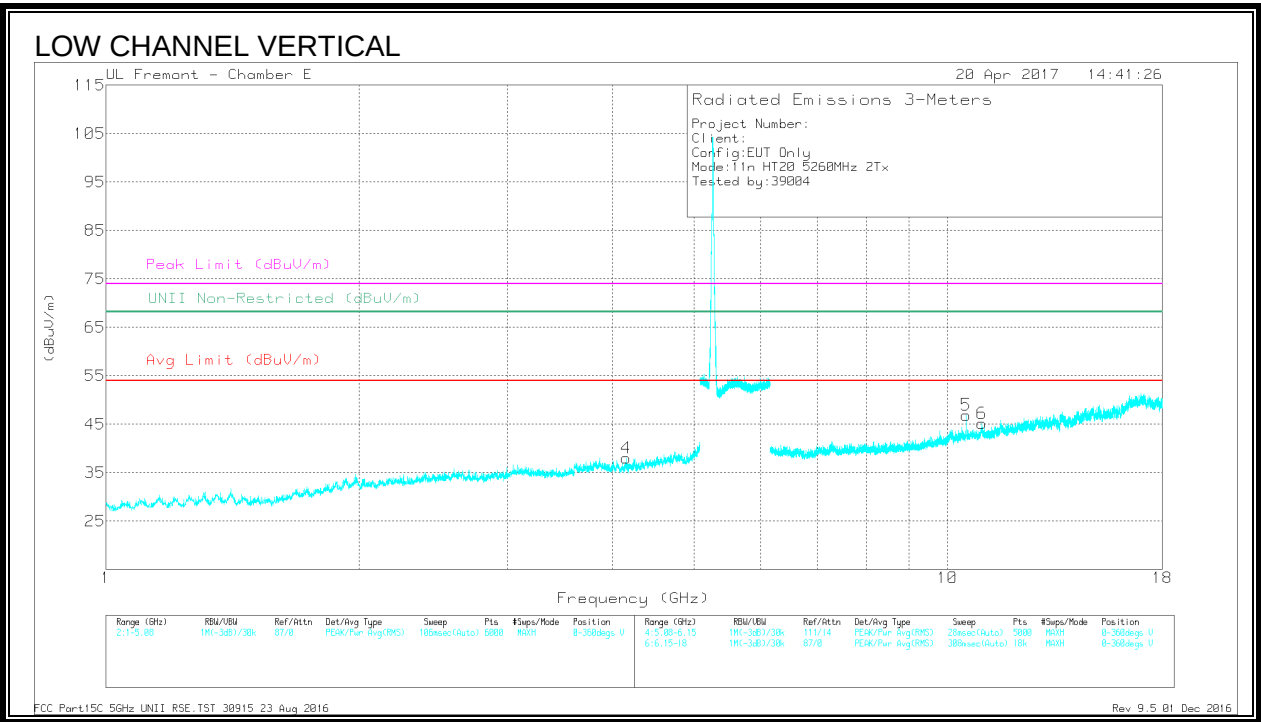
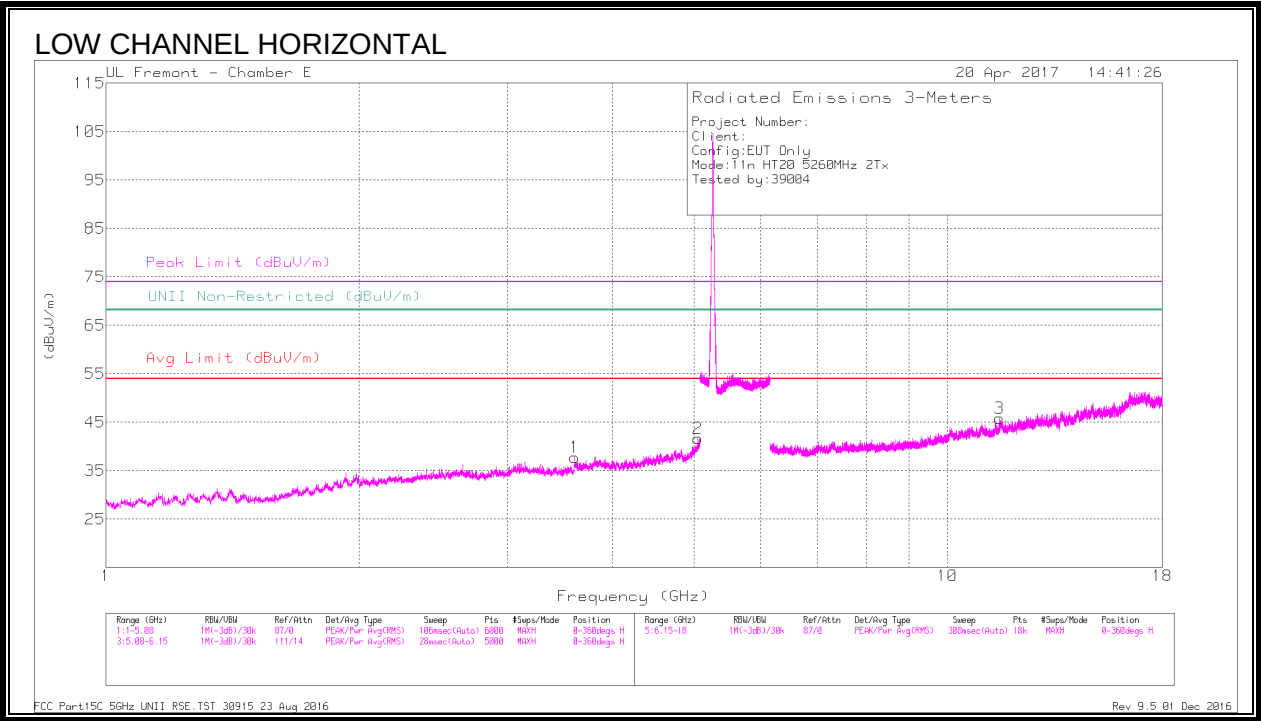
Pk - Peak detector

RMS - RMS detection

BandEdge 5.3-5.460GHz UNII Method AV - V.TST 30915 29 Dec 2015

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HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.607	41.35	PK-U	32.9	-30.6	0	43.65	-	-	74	-30.35	-	-	341	360	H
	* 3.608	29.75	ADR	32.9	-30.6	0	32.05	54	-21.95	-	-	-	-	341	360	H
2	* 5.053	42.81	PK-U	34.3	-28	0	49.11	-	-	74	-24.89	-	-	285	114	H
	* 5.055	31.16	ADR	34.3	-28	0	37.46	54	-16.54	-	-	-	-	285	114	H
4	* 4.15	41.72	PK-U	33.5	-30.3	0	44.92	-	-	74	-29.08	-	-	312	175	V
	* 4.151	29.59	ADR	33.5	-30.3	0	32.79	54	-21.21	-	-	-	-	312	175	V
3	* 11.525	36.76	PK-U	38.1	-23.4	0	51.46	-	-	74	-22.54	-	-	271	279	H
	* 11.522	24.93	ADR	38.1	-23.5	0	39.53	54	-14.47	-	-	-	-	271	279	H
6	* 10.987	35.86	PK-U	37.6	-22.1	0	51.36	-	-	74	-22.64	-	-	282	330	V
	* 10.987	24.47	ADR	37.6	-22.1	0	39.97	54	-14.03	-	-	-	-	282	330	V
5	10.519	38.32	PK-U	37.5	-24	0	51.82	-	-	-	-	68.2	-16.38	308	101	V

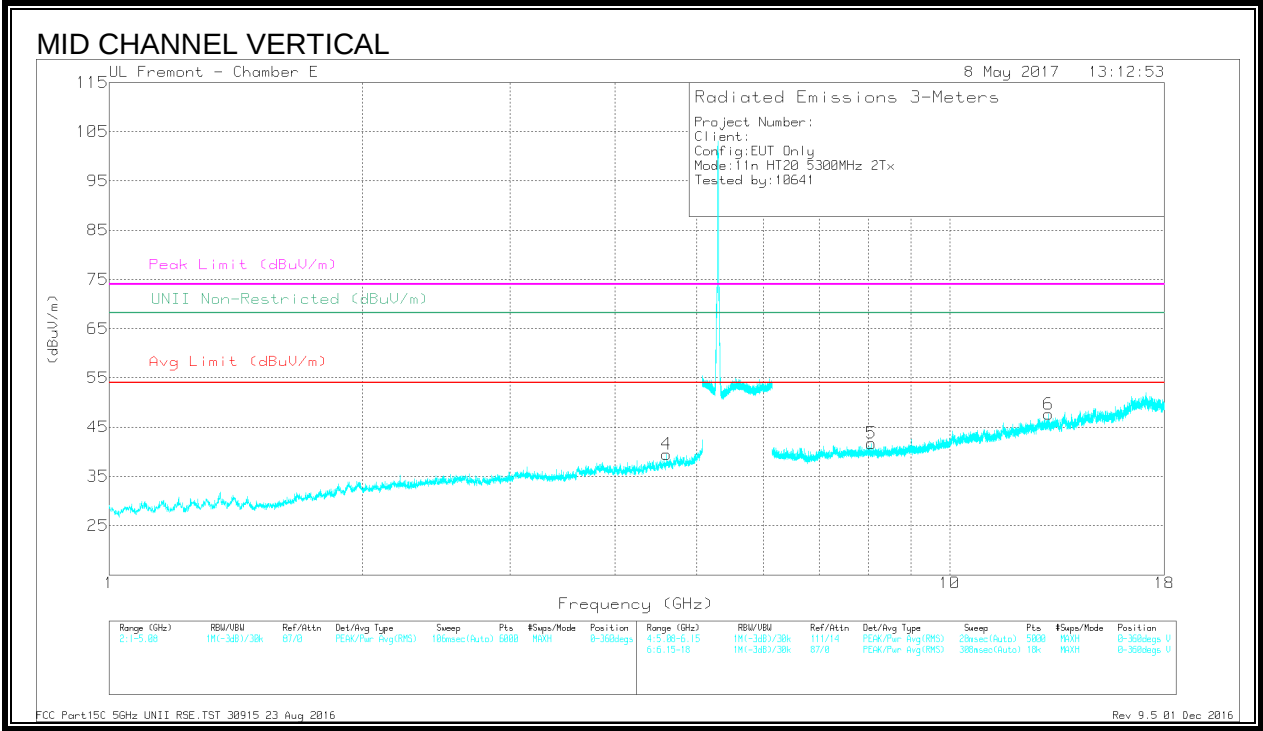
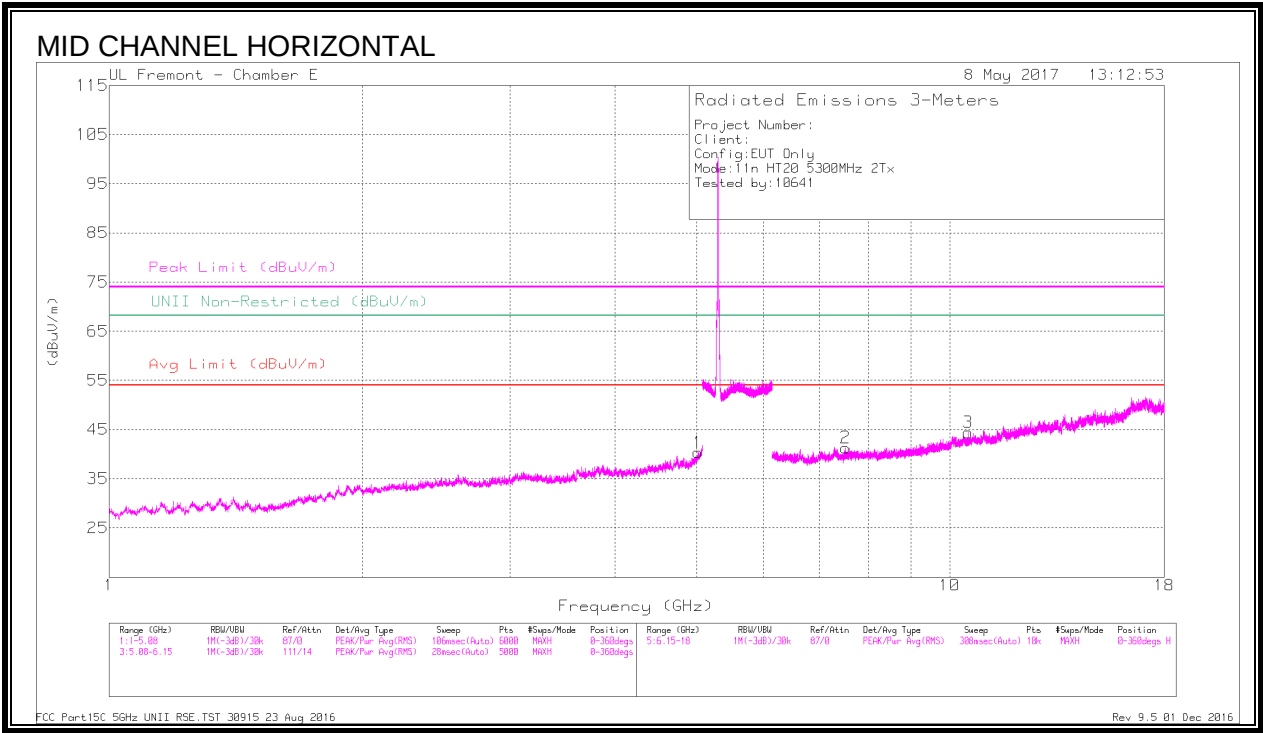
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.017	41.64	PK-U	34.3	-28.3	47.64	-	-	74	-26.36	-	-	356	212	H
	* 5.017	29.65	ADR	34.3	-28.3	35.65	54	-18.35	-	-	-	-	356	212	H
4	* 4.603	41.5	PK-U	34.2	-29.3	46.4	-	-	74	-27.6	-	-	349	220	V
	* 4.603	29.87	ADR	34.2	-29.3	34.77	54	-19.23	-	-	-	-	349	220	V
2	* 7.516	39.31	PK-U	36.1	-27.2	48.21	-	-	74	-25.79	-	-	335	114	H
	* 7.516	27.43	ADR	36.1	-27.2	36.33	54	-17.67	-	-	-	-	335	114	H
5	* 8.074	38.51	PK-U	36	-27.1	47.41	-	-	74	-26.59	-	-	4	150	V
	* 8.073	27.16	ADR	36	-27.1	36.06	54	-17.94	-	-	-	-	4	150	V
3	10.516	36.77	PK-U	37.5	-23.9	50.37	-	-	-	-	68.2	-17.83	25	112	H
6	13.118	38.15	PK-U	39.8	-24.5	53.45	-	-	-	-	68.2	-14.75	30	150	V

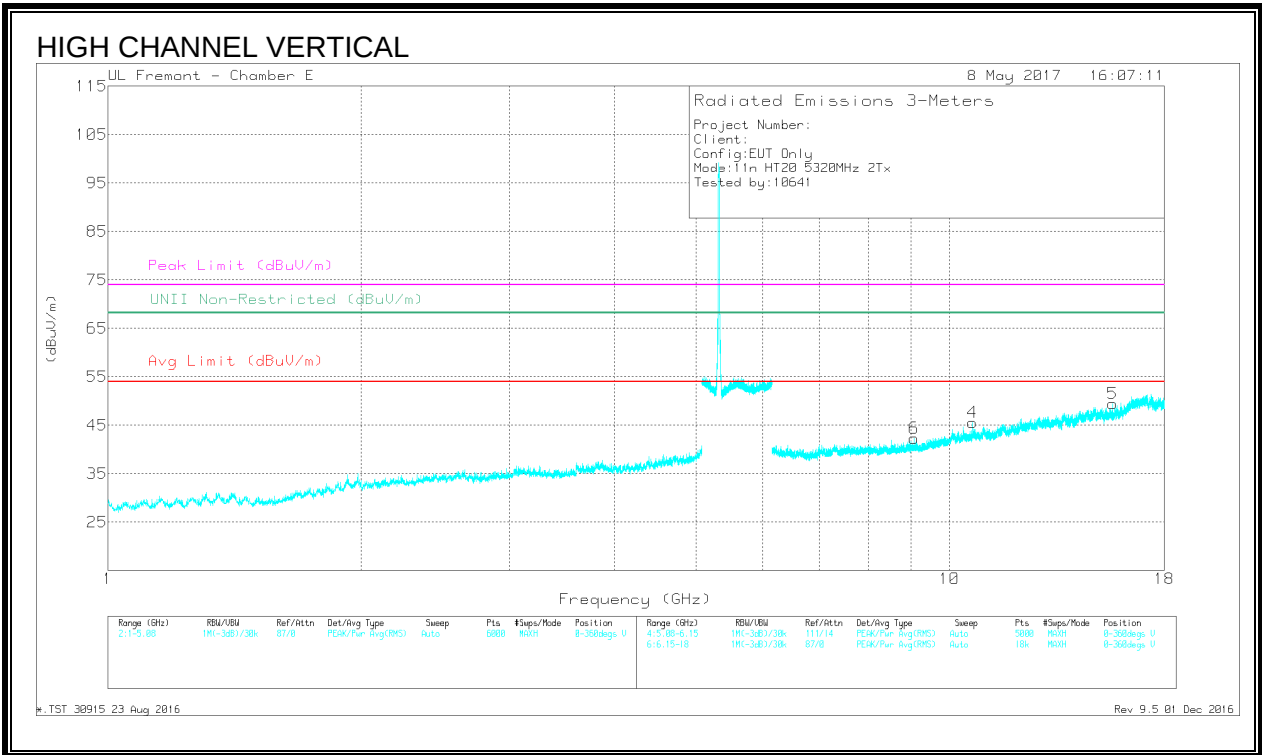
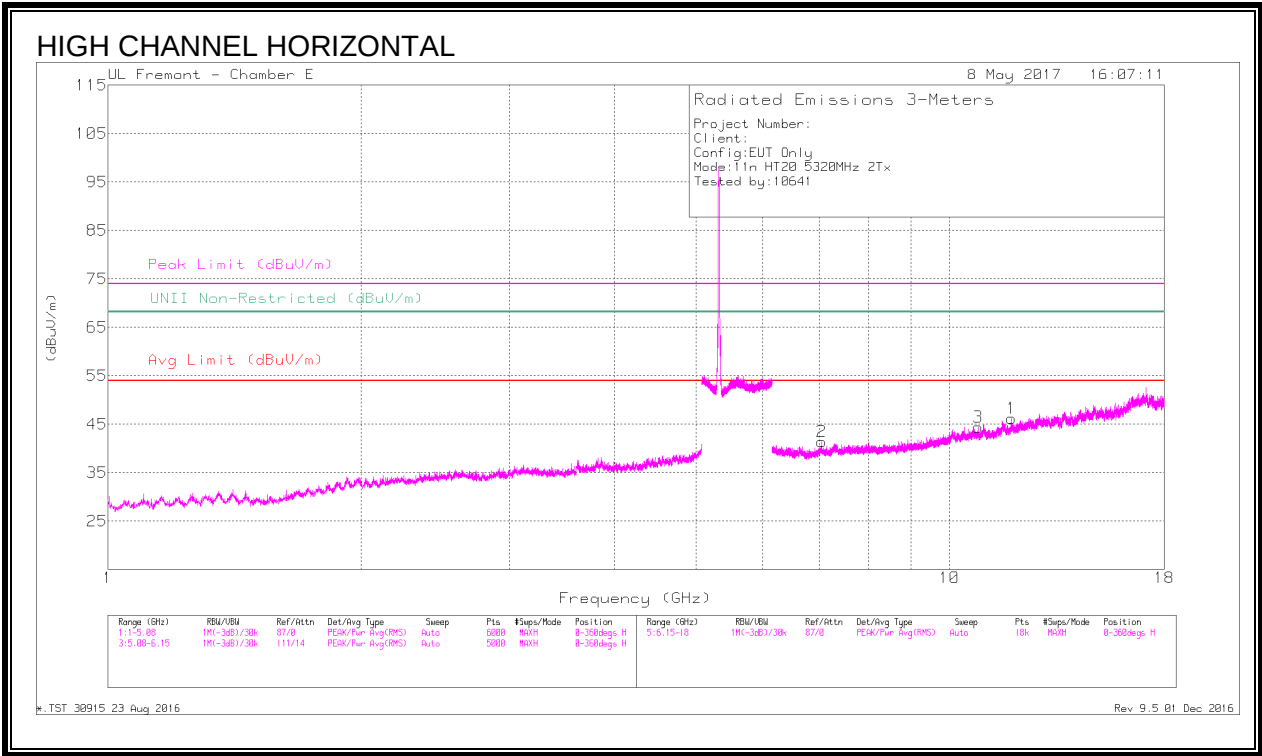
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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



DATA

Marker	Frequen cy (GHz)	Meter Readin g (dBuV)	Det	AF T863 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	Correct ed Readin g (dBuV/ m)	Avg Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	UNII Non- Restrict ed (dBuV/ m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 11.854	37.32	PK-U	38.6	-23.7	52.22	-	-	74	-21.78	-	-	344	185	H
	* 11.854	25.69	ADR	38.6	-23.7	40.59	54	-13.41	-	-	-	-	344	185	H
3	* 10.816	36.54	PK-U	37.6	-23.5	50.64	-	-	74	-23.36	-	-	335	200	H
	* 10.815	25.49	ADR	37.6	-23.5	39.59	54	-14.41	-	-	-	-	335	200	H
4	* 10.656	36.53	PK-U	37.6	-22.9	51.23	-	-	74	-22.77	-	-	325	191	V
	* 10.653	25.19	ADR	37.6	-23	39.79	54	-14.21	-	-	-	-	325	191	V
5	* 15.621	36.71	PK-U	40.7	-22.1	55.31	-	-	74	-18.69	-	-	325	191	V
	* 15.622	25.6	ADR	40.7	-22.2	44.1	54	-9.9	-	-	-	-	325	191	V
6	* 9.08	38.16	PK-U	36.3	-26	48.46	-	-	74	-25.54	-	-	335	199	V
	* 9.08	26.91	ADR	36.3	-26	37.21	54	-16.79	-	-	-	-	335	199	V
2	7.048	39.51	PK-U	35.7	-27.1	48.11	-	-	-	-	68.2	-20.09	343	212	H

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

PK-U - U-NII: Maximum Peak

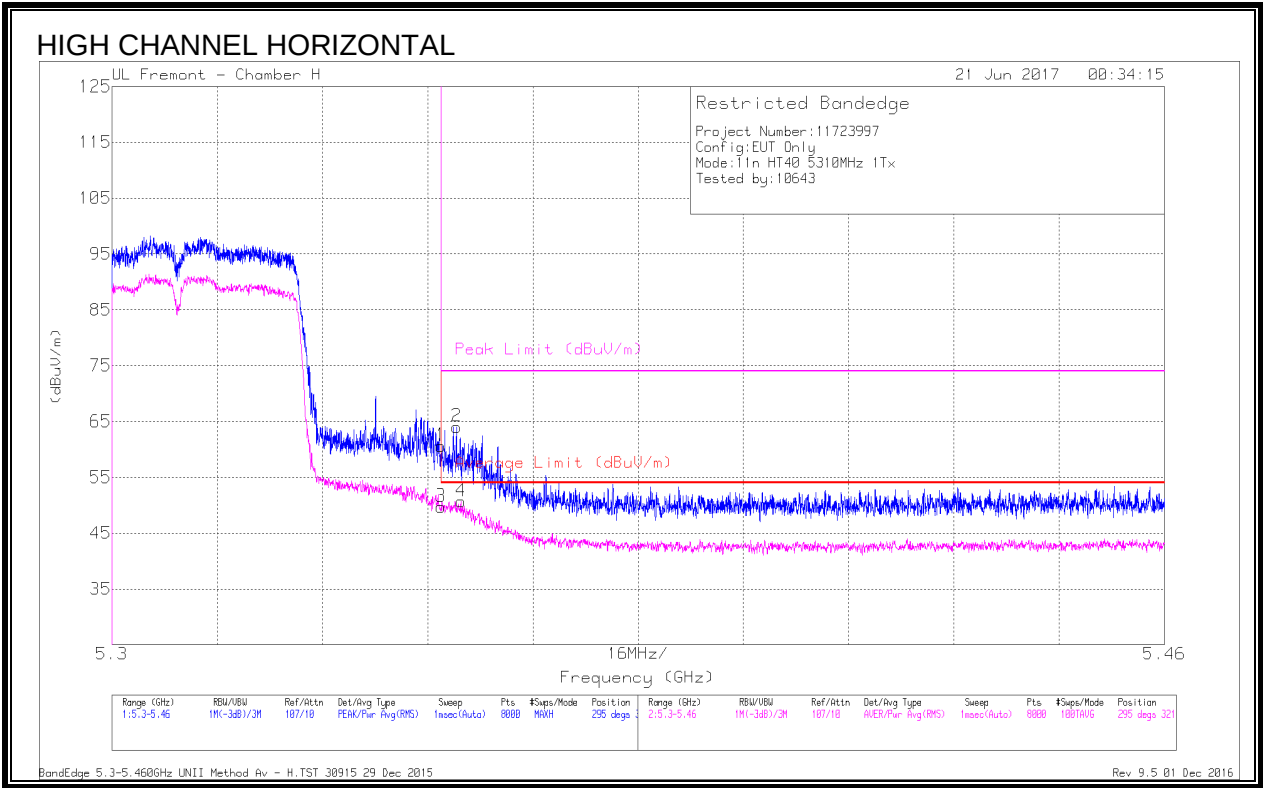
ADR - U-NII AD primary method, RMS average

*.TST 30915 23 Aug 2016

Rev 9.5 01 Dec 2016

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

AUTHORIZED BANDEDGE (HIGH CHANNEL)



Mark er	Frequen cy (GHz)	Meter Readin g (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	DC Corr (dB)	Correct ed Reading (dBuV/ m)	Average Limit (dBuV/m)	Margi n (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimet h (Degs)	Heigh t (cm)	Polarit y
1	* 5.35	50.34	Pk	34.6	-24.3	0	60.64	-	-	74	-13.36	295	321	H
2	* 5.352	53.77	Pk	34.6	-24.3	0	64.07	-	-	74	-9.93	295	321	H
3	* 5.35	39.43	RMS	34.6	-24.3	.1	49.83	54	-4.17	-	-	295	321	H
4	* 5.353	40.37	RMS	34.6	-24.3	.1	50.77	54	-3.23	-	-	295	321	H

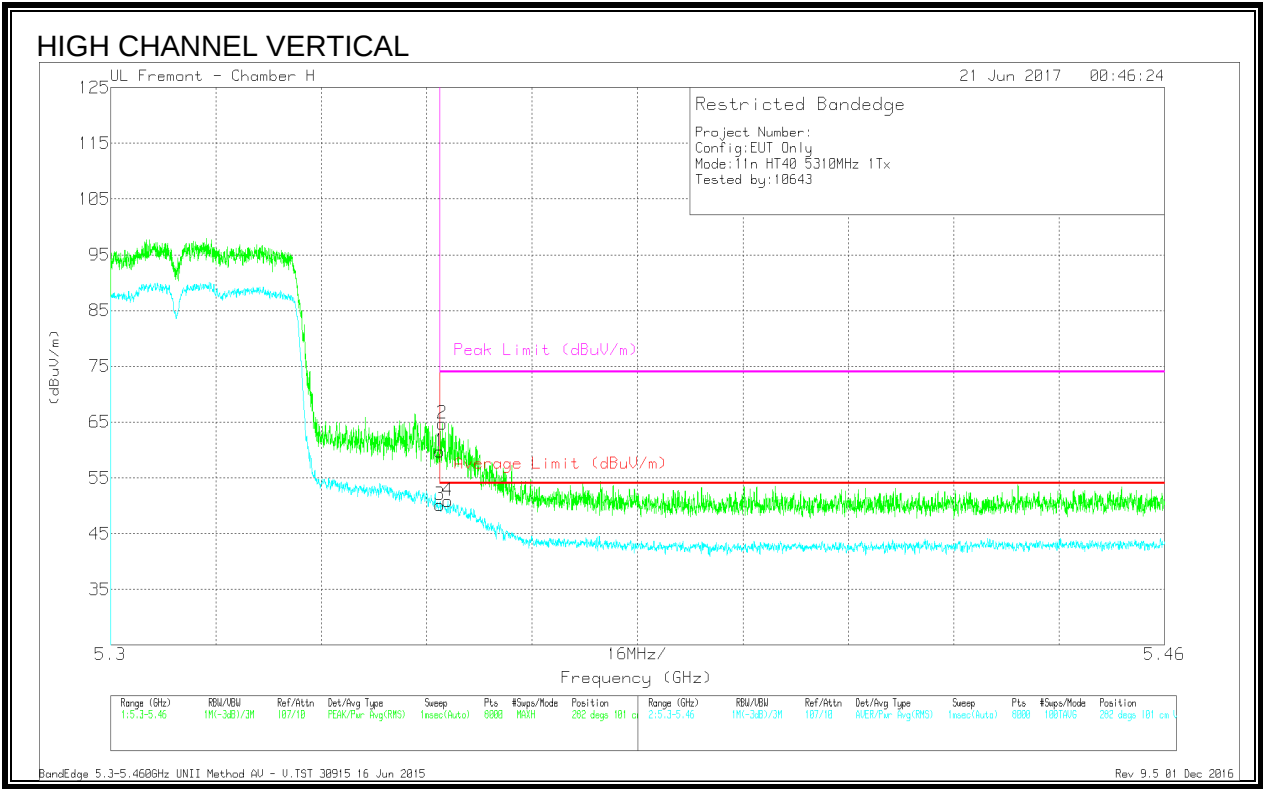
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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



Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fitr/P ad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	49.44	Pk	34.6	-24.3	0	59.74	-	-	74	-14.26	282	101	V
2	* 5.35	54.41	Pk	34.6	-24.3	0	64.71	-	-	74	-9.29	282	101	V
3	* 5.35	39.82	RMS	34.6	-24.3	.1	50.22	54	-3.78	-	-	282	101	V
4	* 5.351	40.64	RMS	34.6	-24.3	.1	51.04	54	-2.96	-	-	282	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 16 Jun 2015

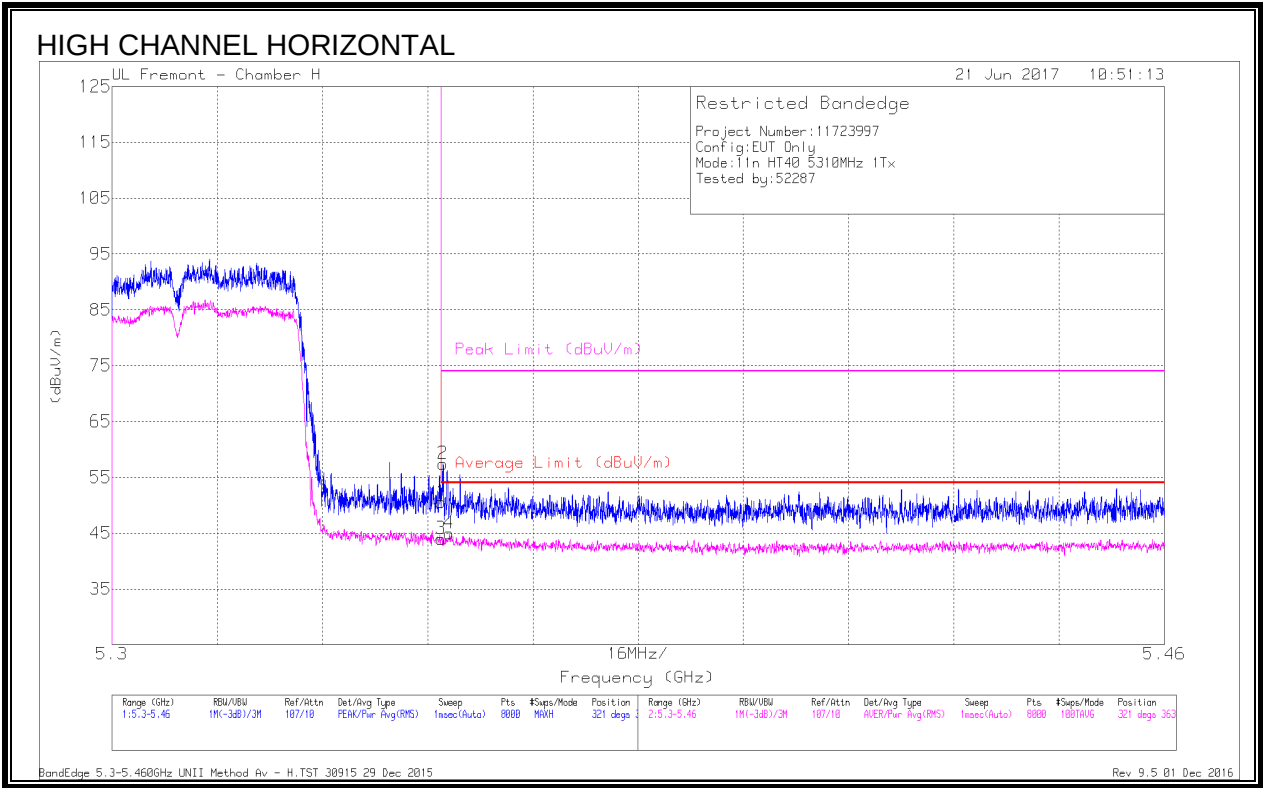
Rev 9.5 01 Dec 2016

HARMONICS AND SPURIOUS EMISSIONS

NOTE: Covered by 11n HT40 2Tx

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

AUTHORIZED BANDEDGE (HIGH CHANNEL)



Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cb l/Ftr/P ad (dB)	DC Corr (dB)	Correct ed Reading (dBuV/ m)	Average Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	40.25	Pk	34.6	-24.3	0	50.55	-	-	74	-23.45	321	363	H
2	* 5.35	47.11	Pk	34.6	-24.3	0	57.41	-	-	74	-16.59	321	363	H
3	* 5.35	33.55	RMS	34.6	-24.3	.1	43.95	54	-10.05	-	-	321	363	H
4	* 5.351	34.53	RMS	34.6	-24.3	.1	44.93	54	-9.07	-	-	321	363	H

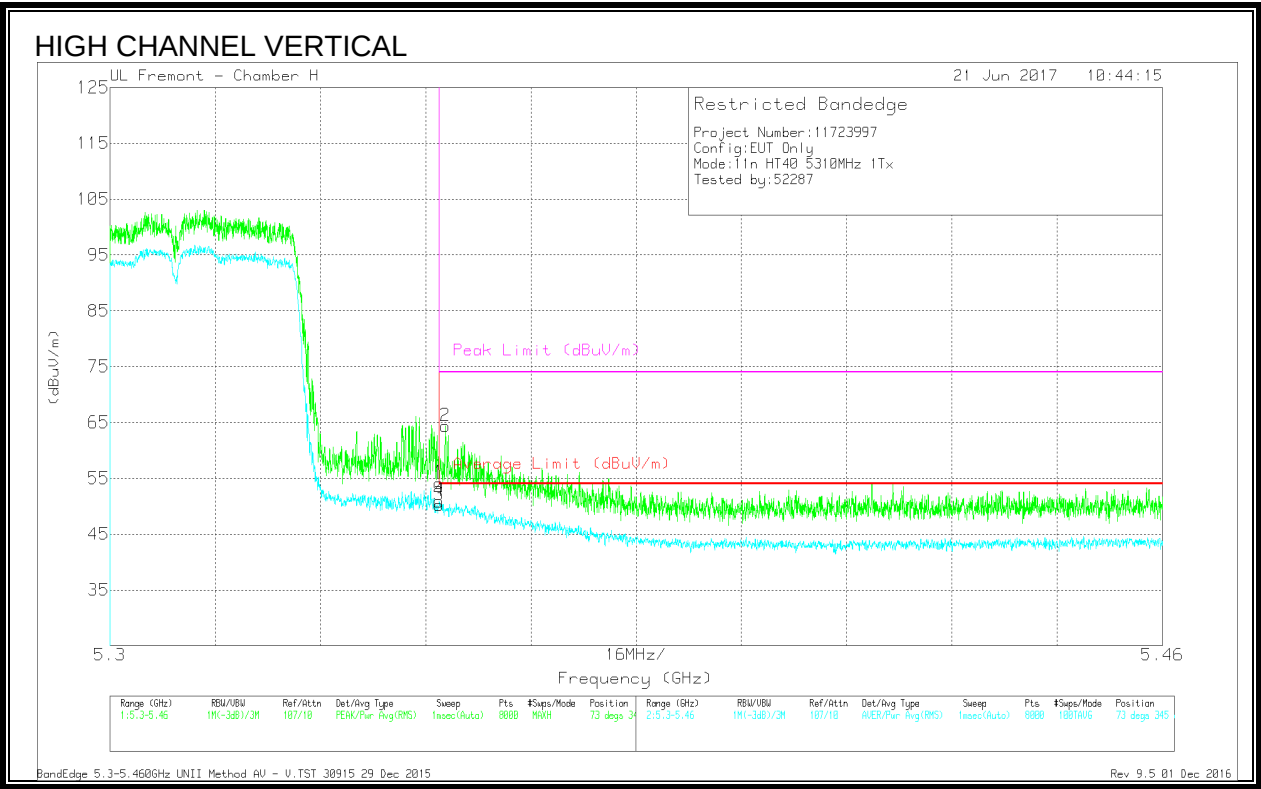
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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



Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T344 (dBm)	AmplChl/Ftr/Pad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	43.84	Pk	34.6	-24.3	0	54.14	-	-	74	-19.86	73	345	V
3	* 5.35	39.83	RMS	34.6	-24.3	.1	50.23	54	-3.77	-	-	73	345	V
4	* 5.35	40.5	RMS	34.6	-24.3	.1	50.9	54	-3.1	-	-	73	345	V
2	* 5.351	54.05	Pk	34.6	-24.3	0	64.35	-	-	74	-9.65	73	345	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

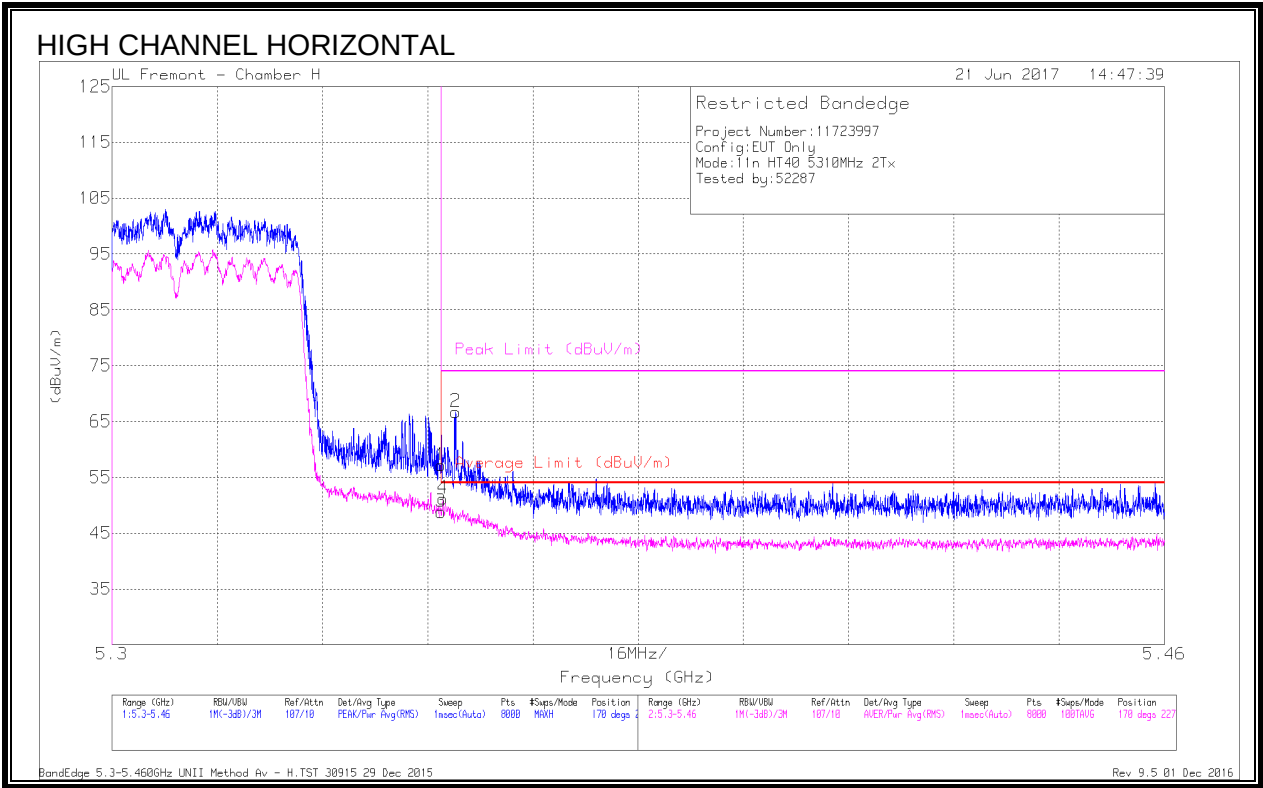
Rev 9.5 01 Dec 2016

HARMONICS AND SPURIOUS EMISSIONS

NOTE: Covered by 11n HT40 2Tx

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

AUTHORIZED BANDEDGE (HIGH CHANNEL)



Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cb l/Fitr/P ad (dB)	DC Corr (dB)	Correct ed Reading (dBuV/ m)	Average Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	46.84	Pk	34.6	-24.3	0	57.14	-	-	74	-16.86	170	227	H
3	* 5.35	38.41	RMS	34.6	-24.3	.1	48.81	54	-5.19	-	-	170	227	H
4	* 5.35	40.82	RMS	34.6	-24.3	.1	51.22	54	-2.78	-	-	170	227	H
2	* 5.352	56.42	Pk	34.6	-24.3	0	66.72	-	-	74	-7.28	170	227	H

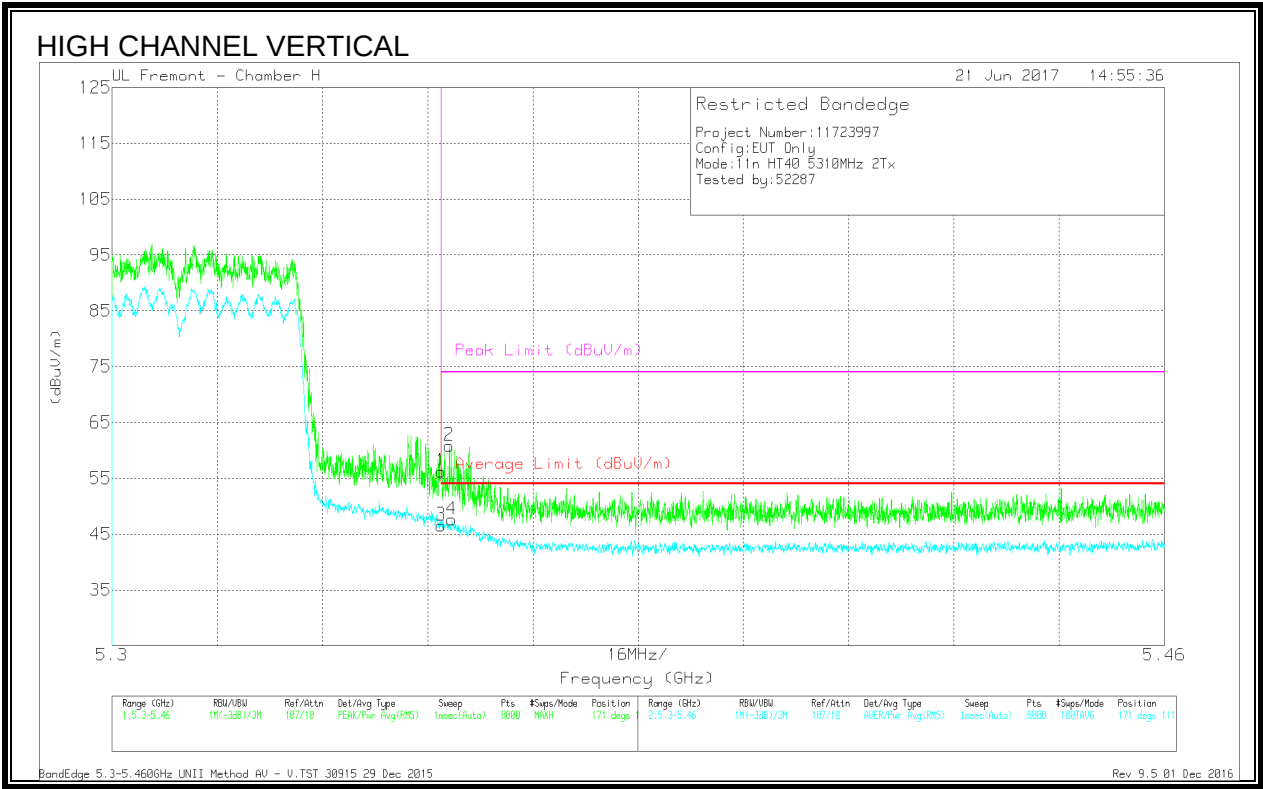
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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



Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T344 (dBm)	AmplChl/Ftr/Pad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	45.92	Pk	34.6	-24.3	0	56.22	-	-	74	-17.78	171	111	V
3	* 5.35	36.18	RMS	34.6	-24.3	.1	46.58	54	-7.42	-	-	171	111	V
2	* 5.351	50.57	Pk	34.6	-24.3	0	60.87	-	-	74	-13.13	171	111	V
4	* 5.352	37.24	RMS	34.6	-24.3	.1	47.64	54	-6.36	-	-	171	111	V

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

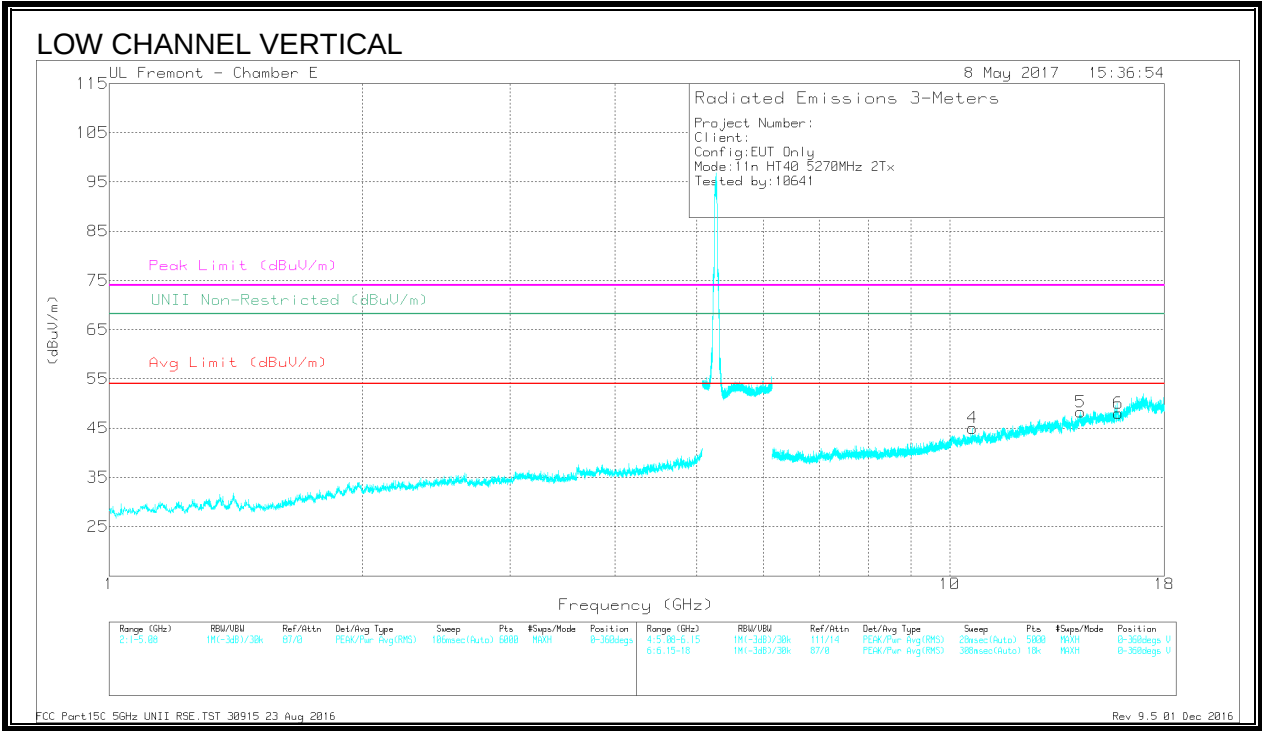
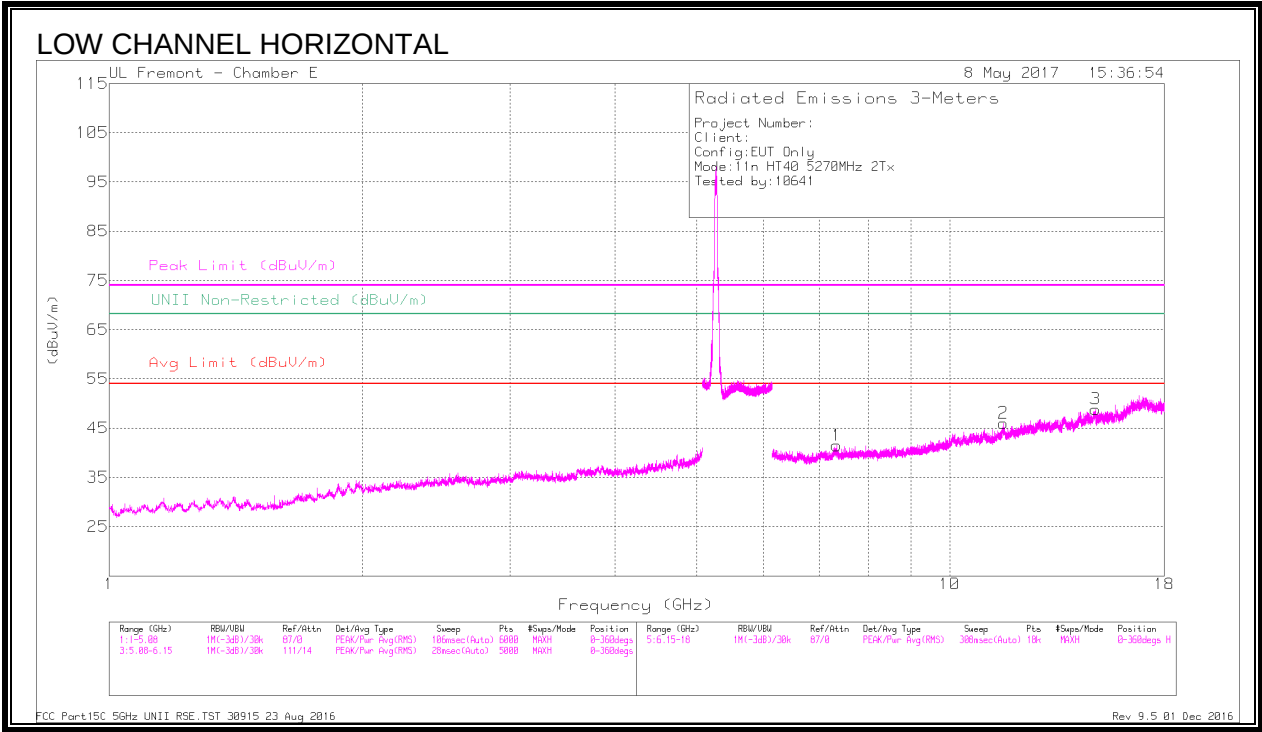
Pk - Peak detector

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



DATA

Marker	Frequen cy (GHz)	Meter Readin g (dBuV)	Det	AF T863 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	DC Corr (dB)	Correct ed Readin g (dBuV/ m)	Avg Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	UNII Non- Restrict ed (dBuV/ m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 7.337	38.32	PK-U	35.9	-26.6	0	47.62	-	-	74	-26.38	-	-	350	135	H
	* 7.335	27.46	ADR	35.9	-26.6	.1	36.86	54	-17.14	-	-	-	-	350	135	H
2	* 11.578	36.06	PK-U	38.1	-21.8	0	52.36	-	-	74	-21.64	-	-	335	225	H
	* 11.579	25.03	ADR	38.1	-21.9	.1	41.33	54	-12.67	-	-	-	-	335	225	H
4	* 10.648	36.22	PK-U	37.6	-23.2	0	50.62	-	-	74	-23.38	-	-	320	178	V
	* 10.647	25.25	ADR	37.6	-23.3	.1	39.65	54	-14.35	-	-	-	-	320	178	V
6	* 15.866	37.73	PK-U	41	-23.6	0	55.13	-	-	74	-18.87	-	-	320	230	V
	* 15.865	26.61	ADR	41	-23.6	.1	44.11	54	-9.89	-	-	-	-	320	230	V
5	14.308	38.15	PK-U	39.7	-23	0	54.85	-	-	-	-	68.2	-13.35	310	211	V
3	14.907	37.79	PK-U	40.6	-23.2	0	55.19	-	-	-	-	68.2	-13.01	310	201	H

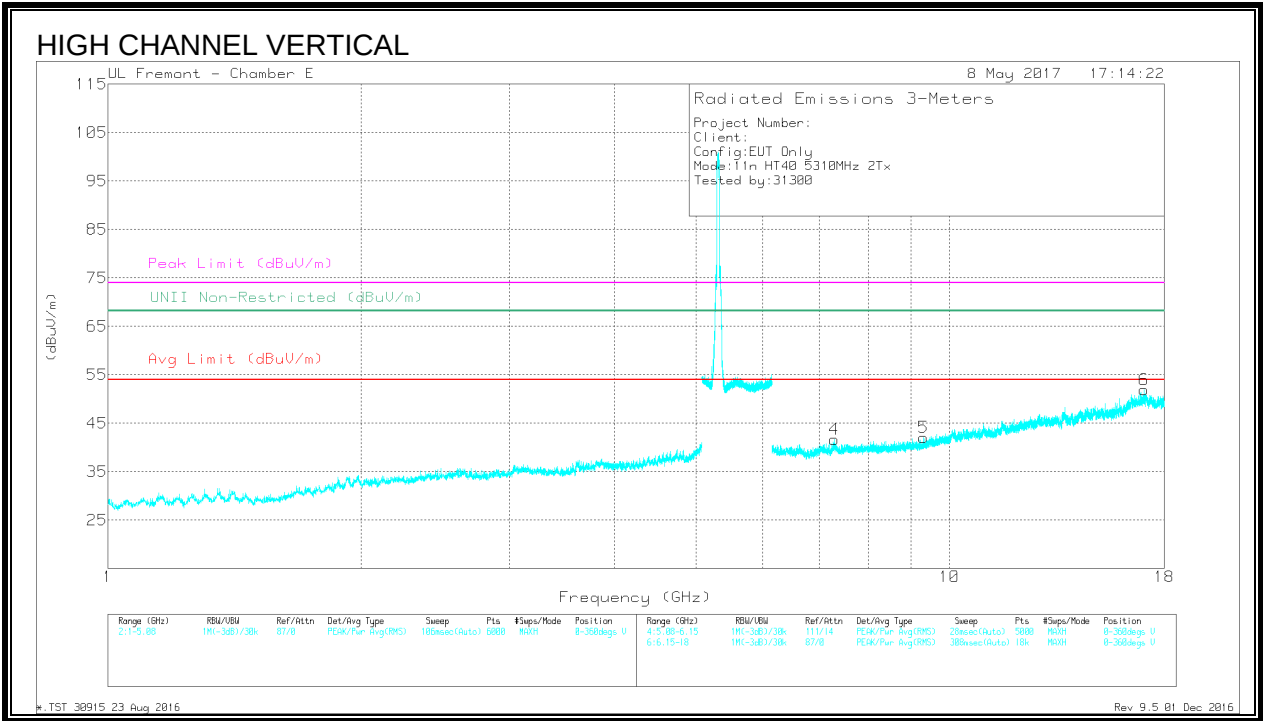
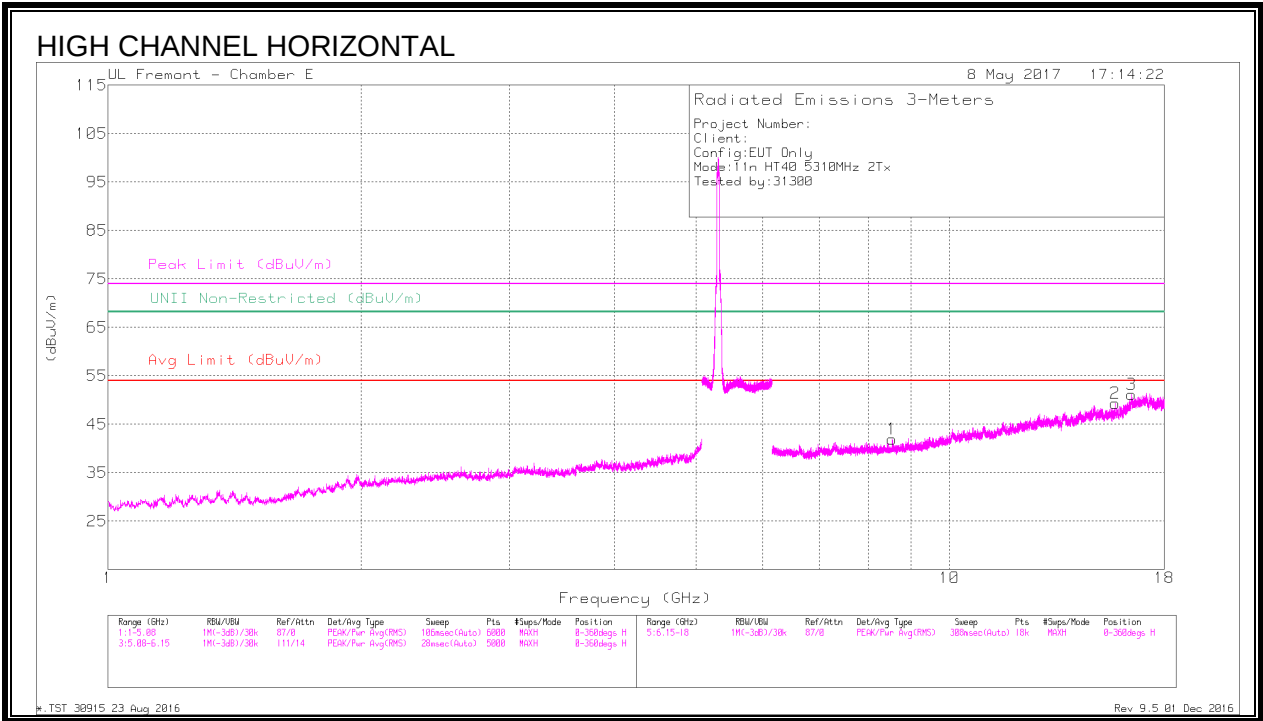
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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



DATA

Marker	Frequen cy (GHz)	Meter Readin g (dBuV)	Det	AF T863 (dB/m)	Amp/C bl/Filtr/ Pad (dB)		Correct ed Readin g (dBuV/ m)	Avg Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	UNII Non- Restrict ed (dBuV/ m)	PK Margin (dB)	Azimet h (Degs)	Height (cm)	Polarity
2	* 15.738	37.58	PK-U	40.8	-21.9	0	56.48	-	-	74	-17.52	-	-	137	176	H
	* 15.738	25.8	ADR	40.8	-21.9	.1	44.8	54	-9.2	-	-	-	-	137	176	H
4	* 7.301	38.6	PK-U	35.9	-26.3	0	48.2	-	-	74	-25.8	-	-	189	364	V
	* 7.3	26.93	ADR	35.9	-26.2	.1	36.73	54	-17.27	-	-	-	-	189	364	V
5	* 9.32	37.78	PK-U	36.5	-26	0	48.28	-	-	74	-25.72	-	-	258	107	V
	* 9.32	26.05	ADR	36.5	-26	.1	36.65	54	-17.35	-	-	-	-	258	107	V
1	8.551	37.86	PK-U	36	-26.3	0	47.56	-	-	-	-	68.2	-20.64	193	177	H
3	16.448	37.1	PK-U	41.8	-21.1	0	57.8	-	-	-	-	68.2	-10.4	318	162	H
6	17.04	36.63	PK-U	42.4	-21.3	0	57.73	-	-	-	-	68.2	-10.47	359	370	V

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

PK-U - U-NII: Maximum Peak

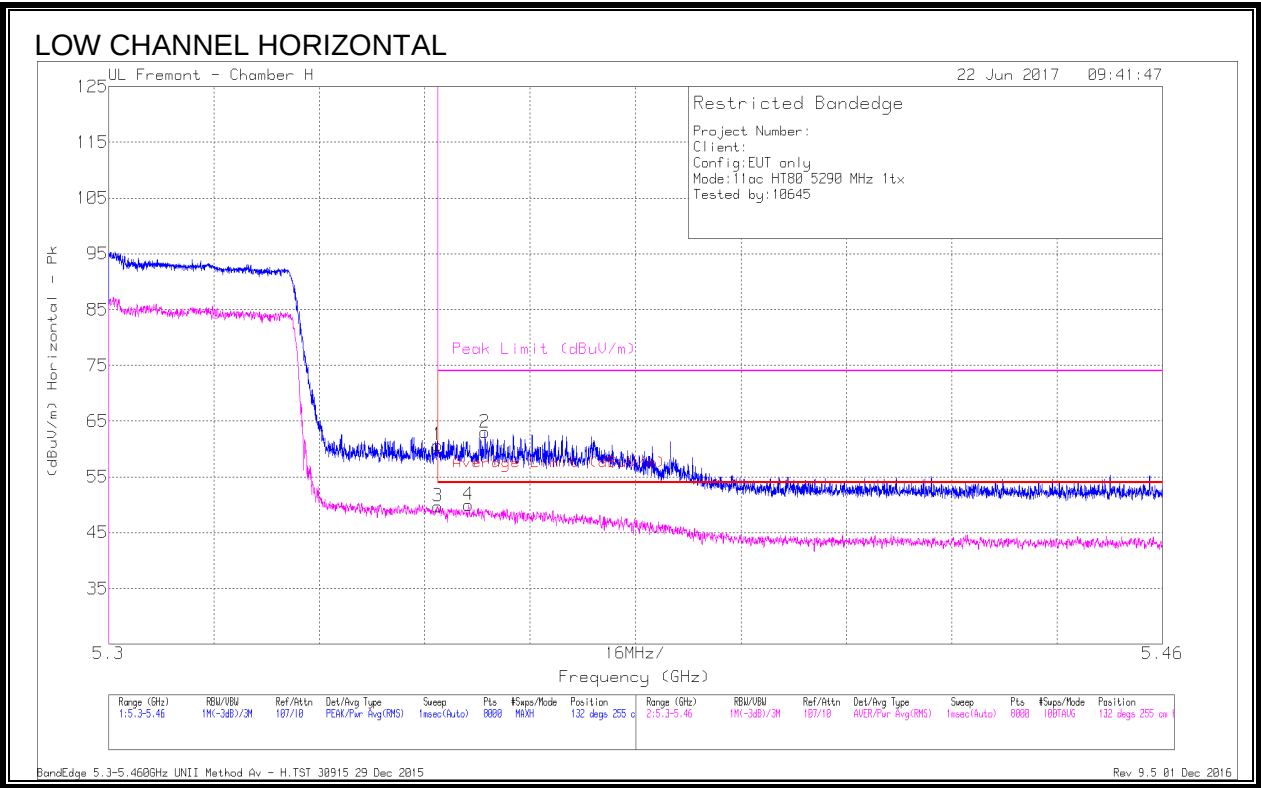
ADR - U-NII AD primary method, RMS average

*.TST 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)



Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cb l/Filtr/Pa d (dB)	DC Corr (dB)	Correcte d Reading (dBuV/ m)	Average Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	50.42	Pk	34.6	-24.3	0	60.72	-	-	74	-13.28	132	255	H
2	* 5.357	52.7	Pk	34.6	-24.3	0	63	-	-	74	-11	132	255	H
3	* 5.35	39.42	RMS	34.6	-24.3	.2	49.92	54	-4.08	-	-	132	255	H
4	* 5.355	39.65	RMS	34.6	-24.3	.2	50.15	54	-3.85	-	-	132	255	H

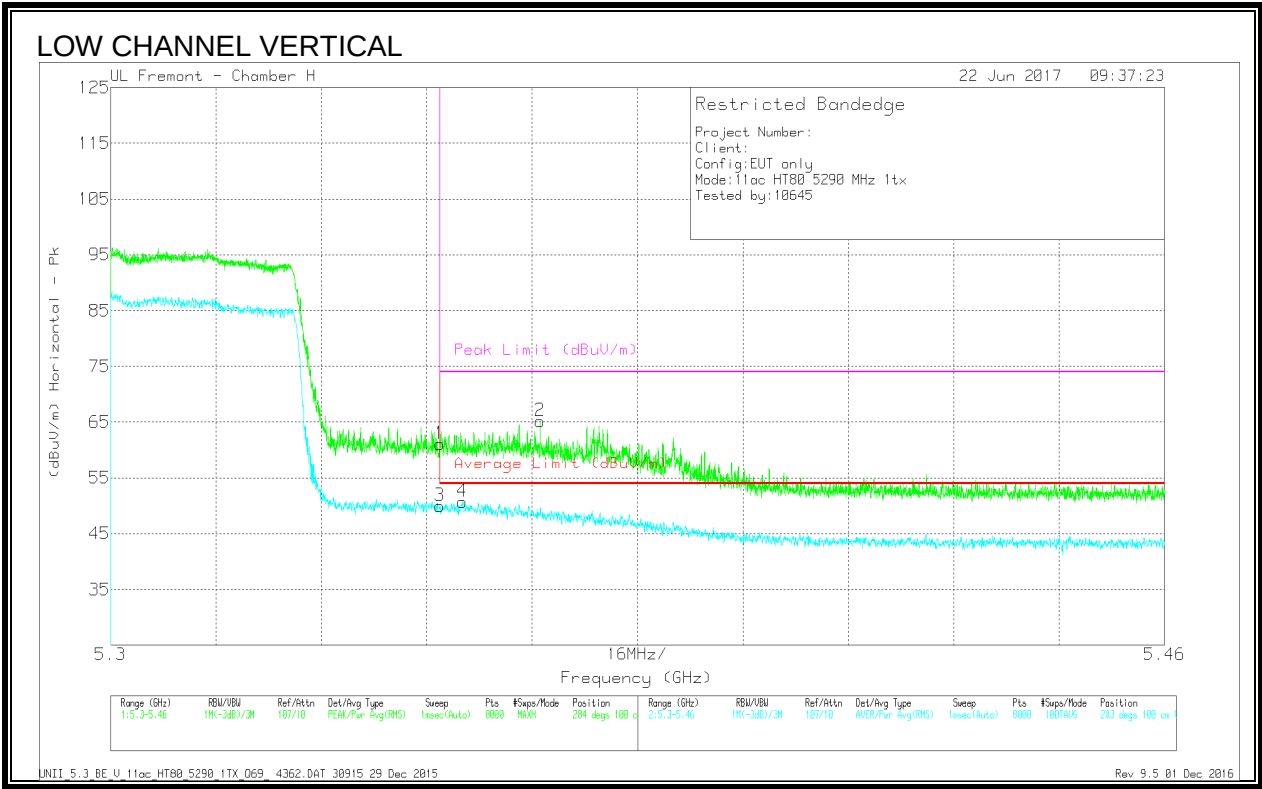
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Ftr/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	50.82	Pk	34.6	-24.3	0	61.12	-	-	74	-12.88	284	100	V
3	* 5.35	39.62	RMS	34.6	-24.3	.2	50.12	54	-3.88	-	-	283	100	V
4	* 5.353	40.43	RMS	34.6	-24.3	.2	50.93	54	-3.07	-	-	283	100	V
2	* 5.365	54.85	Pk	34.6	-24.3	0	65.15	-	-	74	-8.85	284	100	V

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

Pk - Peak detector

RMS - RMS detection

UNII_5.3_BE_V_11ac_HT80_5290_1TX_Q69_4362.DAT 30915 29 Dec 2015

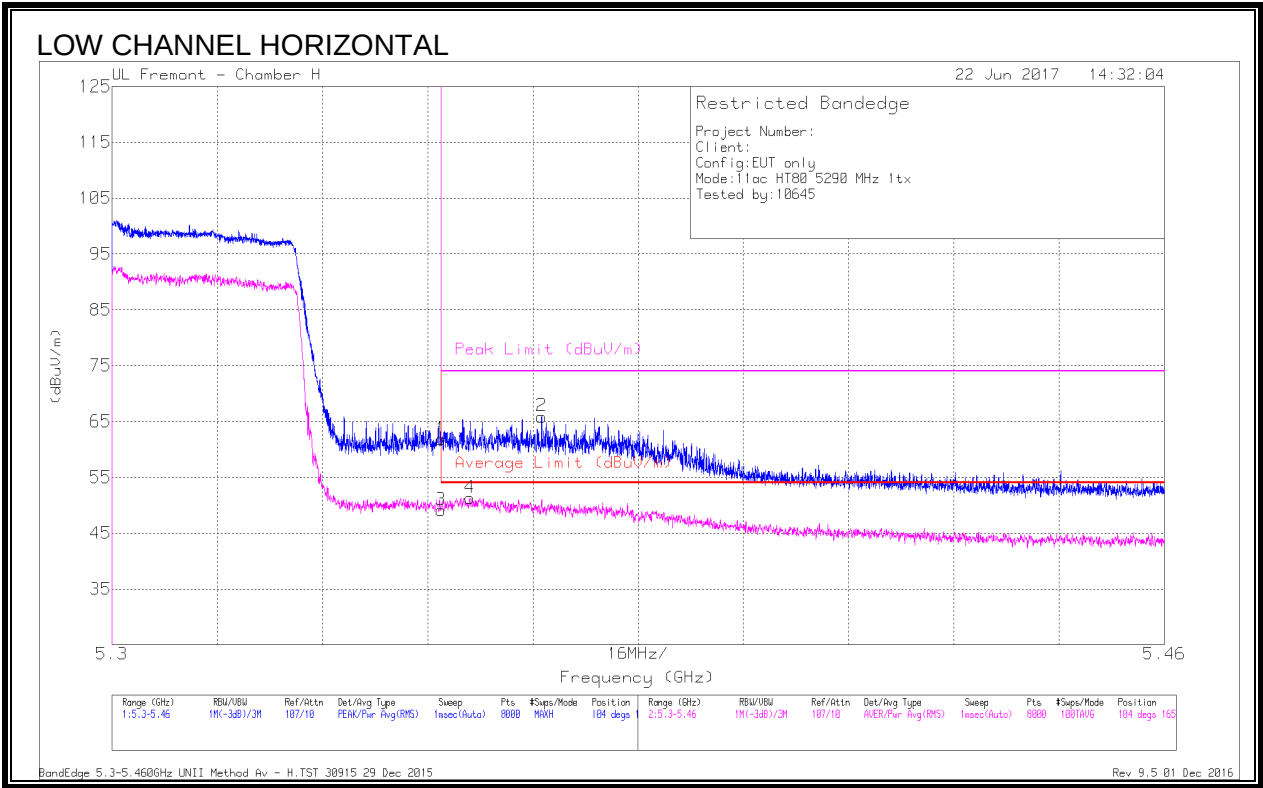
Rev 9.5 01 Dec 2016

HARMONICS AND SPURIOUS EMISSIONS

NOTE: Covered by 11ac VHT80 CDD 2Tx Testing

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

AUTHORIZED BANDEDGE (HIGH CHANNEL)



Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cb l/Filtr/Pa d (dB)	DC Corr (dB)	Correcte d Reading (dBuV/ m)	Average Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	51.49	Pk	34.6	-24.3	0	61.79	-	-	74	-12.21	104	165	H
2	* 5.365	55.6	Pk	34.6	-24.3	0	65.9	-	-	74	-8.1	104	165	H
3	* 5.35	38.78	RMS	34.6	-24.3	.2	49.28	54	-4.72	-	-	104	165	H
4	* 5.354	41	RMS	34.6	-24.3	.2	51.5	54	-2.5	-	-	104	165	H

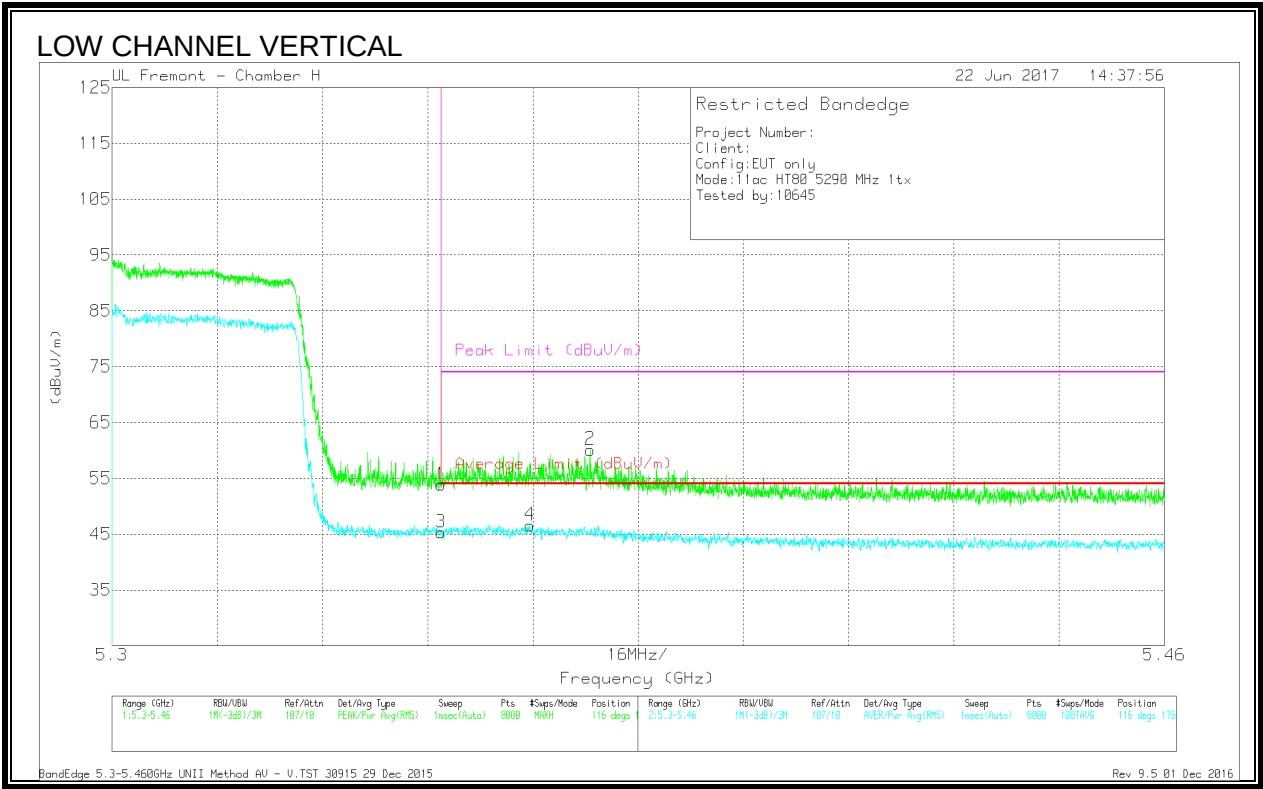
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

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Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fitr/P ad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	43.58	Pk	34.6	-24.3	0	53.88	-	-	74	-20.12	116	176	V
2	* 5.373	49.85	Pk	34.6	-24.3	0	60.15	-	-	74	-13.85	116	176	V
3	* 5.35	35.02	RMS	34.6	-24.3	.2	45.52	54	-8.48	-	-	116	176	V
4	* 5.364	36.28	RMS	34.6	-24.3	.2	46.78	54	-7.22	-	-	116	176	V

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

Pk - Peak detector

RMS - RMS detection

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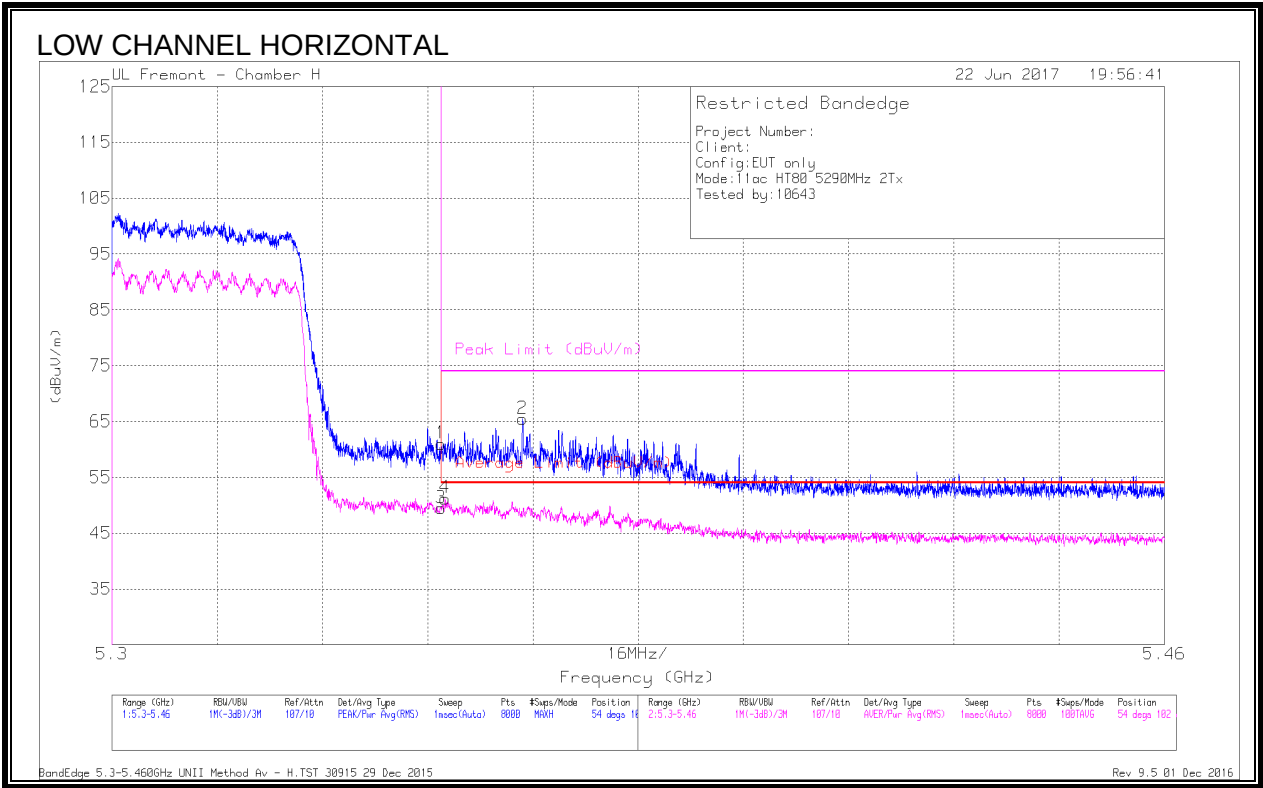
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HARMONICS AND SPURIOUS EMISSIONS

NOTE: Covered by 11ac VHT80 CDD 2Tx Testing

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

AUTHORIZED BANDEDGE (HIGH CHANNEL)



Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cb l/Filtr/Pa d (dB)	DC Corr (dB)	Correcte d Reading (dBuV/ m)	Average Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	50.72	Pk	34.6	-24.3	0	61.02	-	-	74	-12.98	54	102	H
2	* 5.362	55.16	Pk	34.6	-24.3	0	65.46	-	-	74	-8.54	54	102	H
3	* 5.35	39.15	RMS	34.6	-24.3	.2	49.65	54	-4.35	-	-	54	102	H
4	* 5.351	40.94	RMS	34.6	-24.3	.2	51.44	54	-2.56	-	-	54	102	H

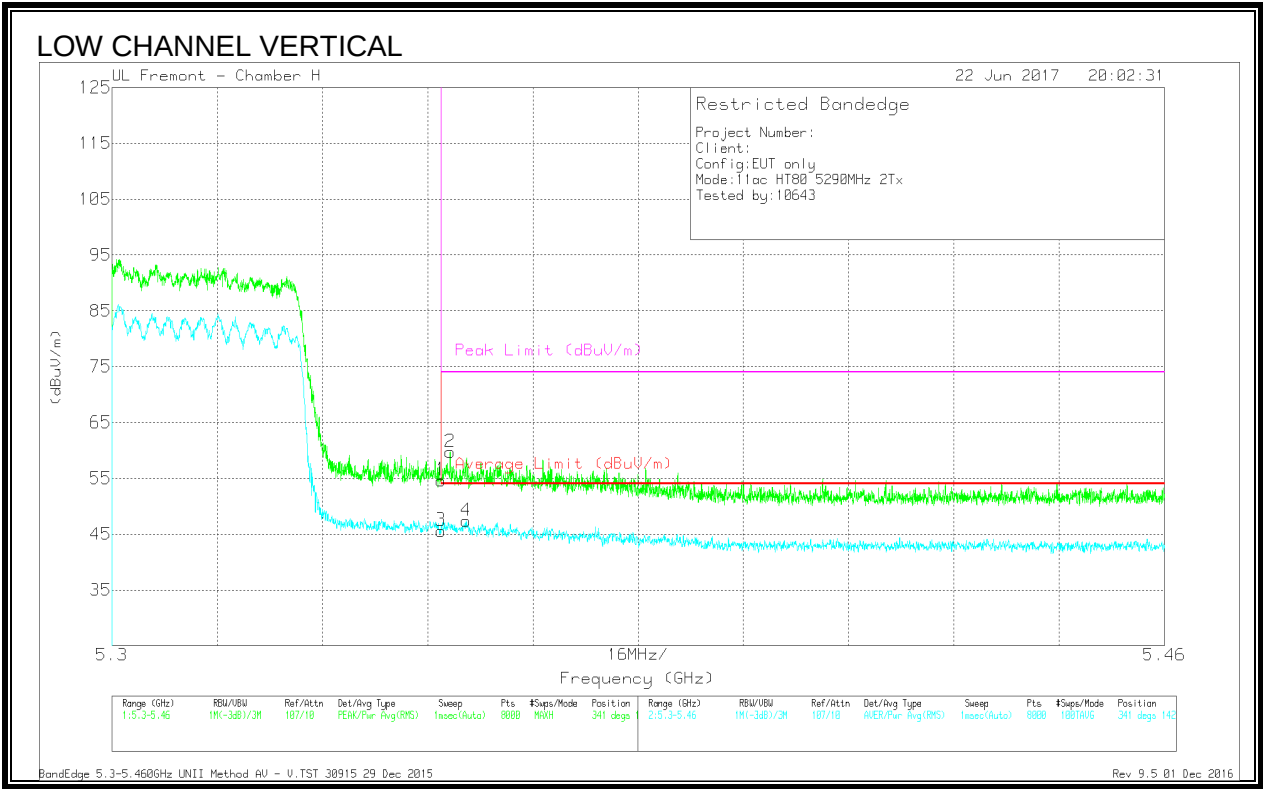
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

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Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fitr/P ad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	44.34	Pk	34.6	-24.3	0	54.64	-	-	74	-19.36	341	142	V
2	* 5.351	49.42	Pk	34.6	-24.3	0	59.72	-	-	74	-14.28	341	142	V
3	* 5.35	35.3	RMS	34.6	-24.3	.2	45.8	54	-8.2	-	-	341	142	V
4	* 5.354	37.06	RMS	34.6	-24.3	.2	47.56	54	-6.44	-	-	341	142	V

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

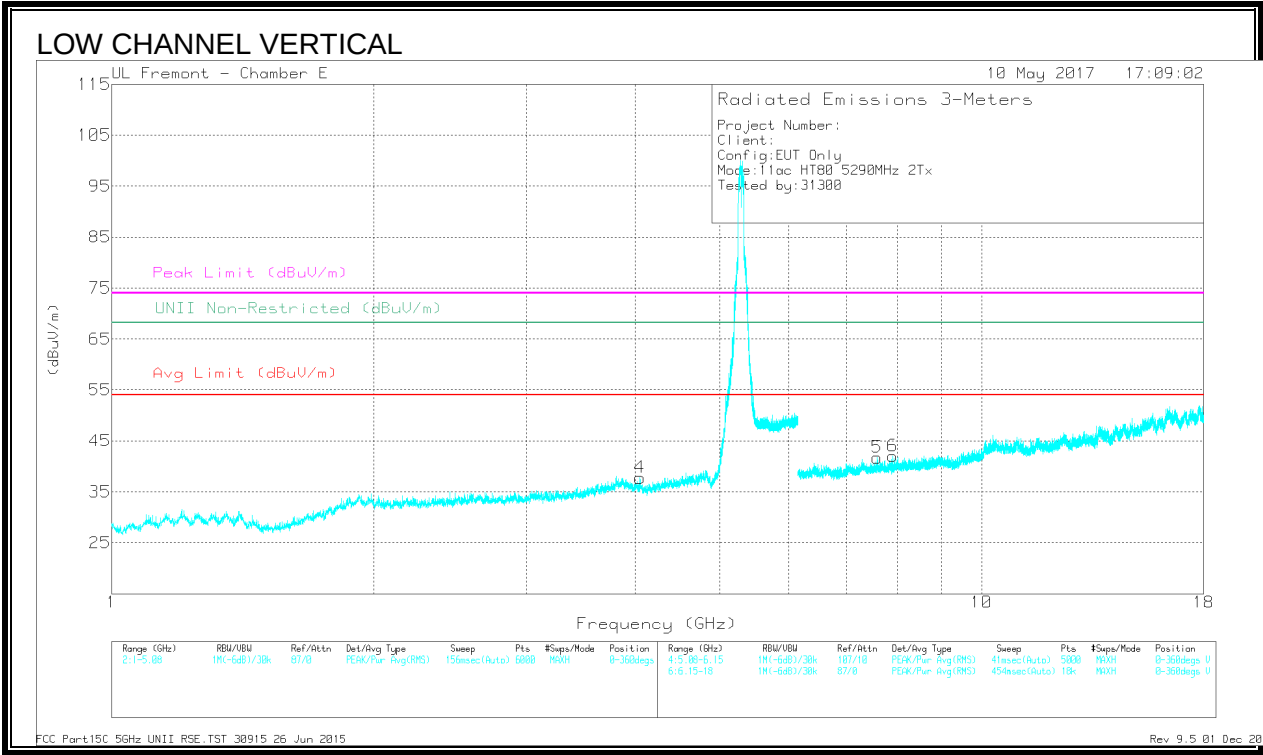
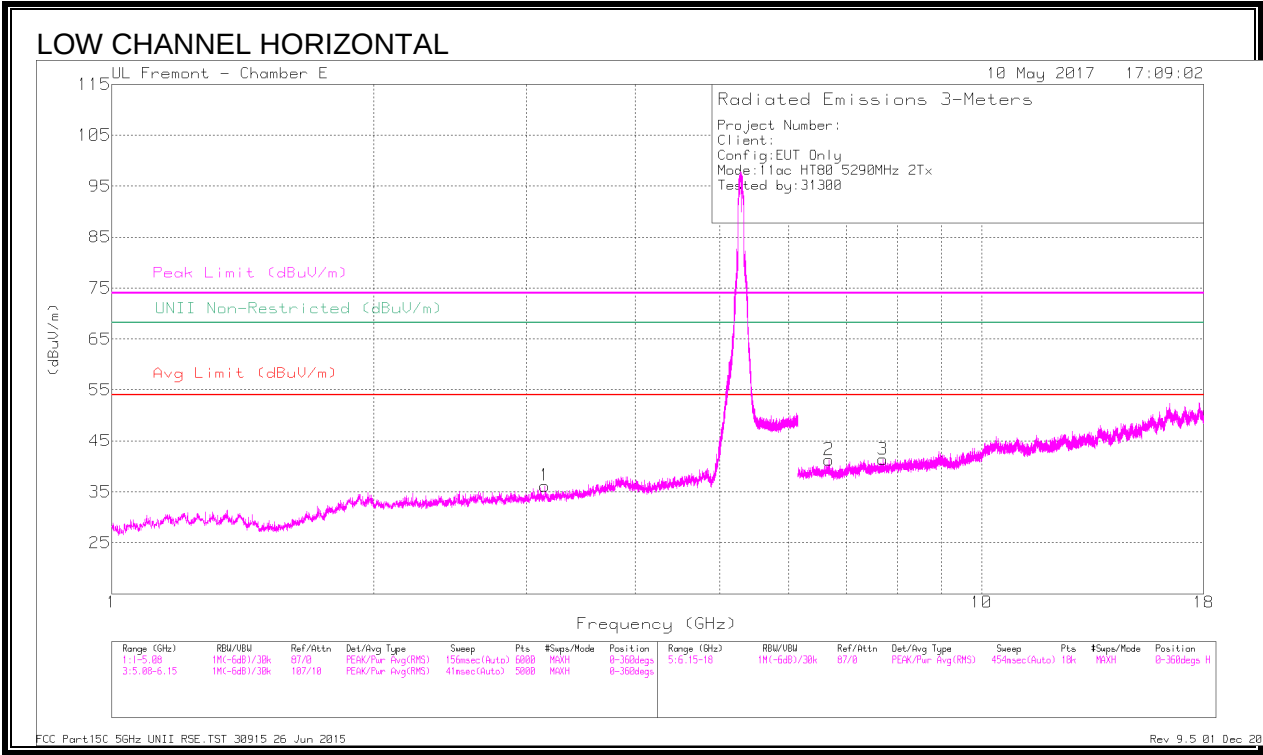
Pk - Peak detector

RMS - RMS detection

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HARMONICS AND SPURIOUS EMISSIONS



DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb/Filt/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
* 4.049	38.96	PK-U	33.9	-29.7	0	43.16	-	-	74	-30.84	-	-	338	101	V
* 4.052	27.67	ADR	33.9	-29.7	.2	32.07	54	-21.93	-	-	-	-	338	101	V
* 7.7	36.46	PK-U	37.1	-26.9	0	46.66	-	-	74	-27.34	-	-	8	200	H
* 7.702	25.26	ADR	37.1	-27	.2	35.56	54	-18.44	-	-	-	-	8	200	H
* 7.586	36.21	PK-U	37	-26.3	0	46.91	-	-	74	-27.09	-	-	0	101	V
* 7.586	24.67	ADR	37	-26.3	.2	35.57	54	-18.43	-	-	-	-	0	101	V
3.144	39.91	PK-U	32.9	-31.4	0	41.41	-	-	-	-	68.2	-26.79	122	200	H
6.677	36.87	PK-U	36.4	-27.3	0	45.97	-	-	-	-	68.2	-22.23	31	101	H
7.903	36.89	PK-U	37	-27.3	0	46.59	-	-	-	-	68.2	-21.61	184	200	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 26 Jun 2015

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