

8.35.4. AVERAGE POWER

ID:	30554	Date:	7/28/2017
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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	5745	21.41
Mid	5785	21.42
High	5825	21.34

8.35.5. OUTPUT POWER

ID:	30554	Date:	7/28/2017
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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 for Power (dBi)	Power Limit (dBm)
Low	5745	-6.31	30.00
Mid	5785	-6.31	30.00
High	5825	-6.31	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	5745	21.41	21.41	30.00	-8.59
Mid	5785	21.42	21.42	30.00	-8.58
High	5825	21.34	21.34	30.00	-8.66

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

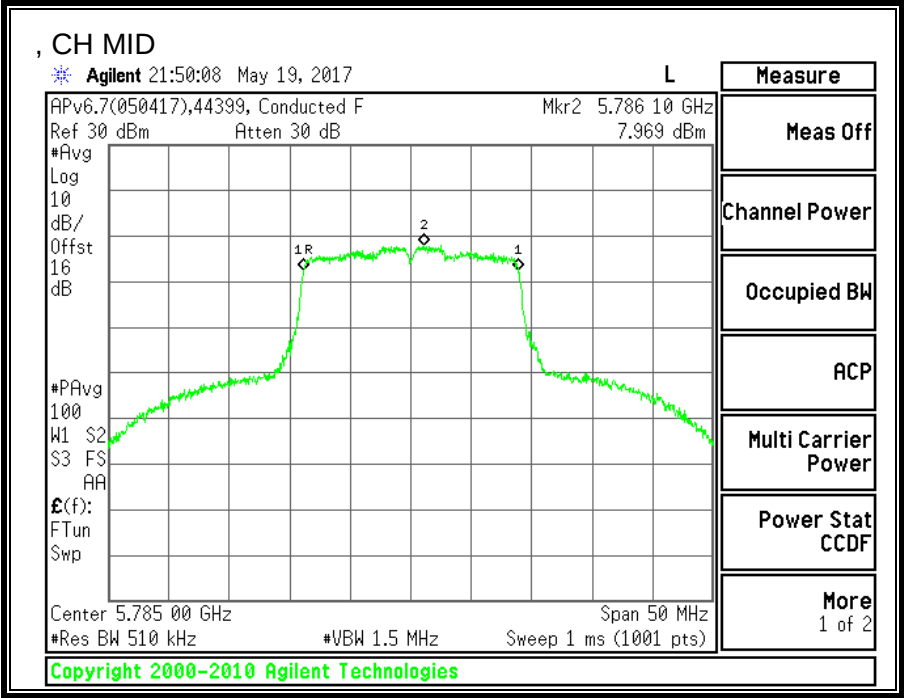
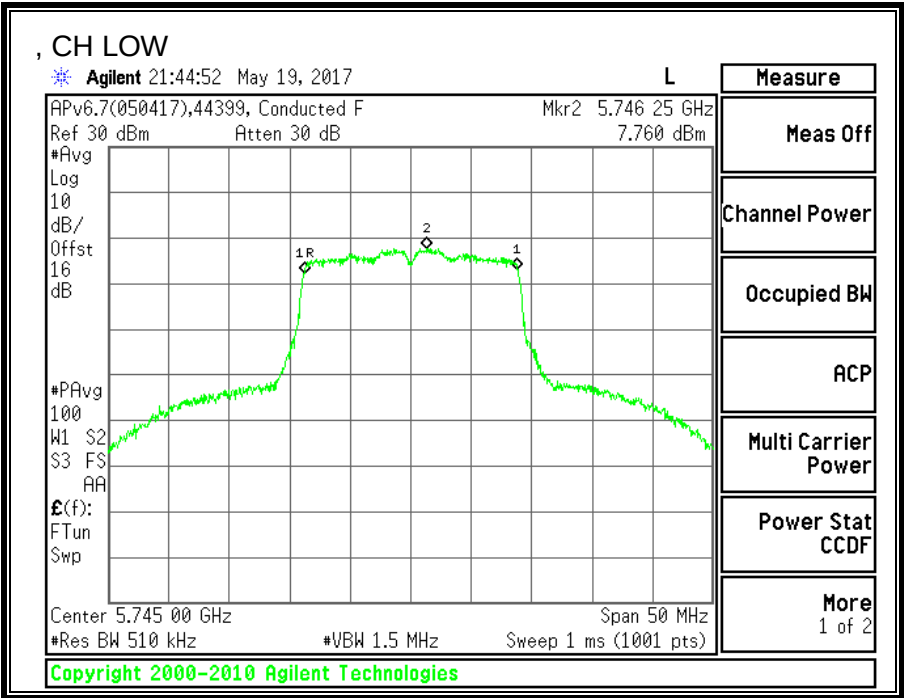
Antenna Gain and Limits

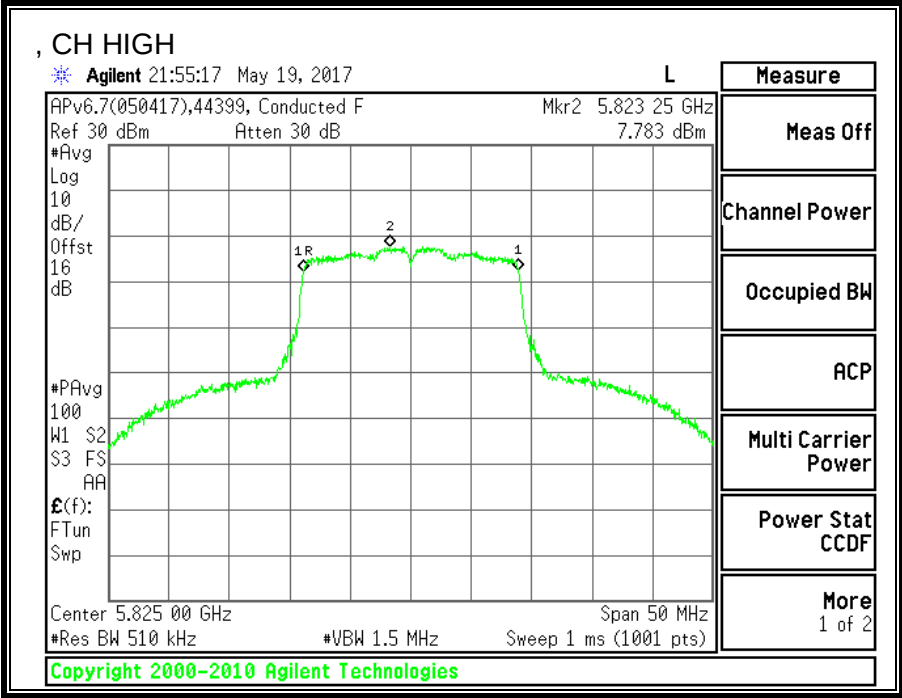
Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm/500K Hz)
Low	5745	-6.31	30.00
Mid	5785	-6.31	30.00
High	5825	-6.31	30.00

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

Channel	Frequency (MHz)	LAT 3 Meas PSD (dBm/500K Hz)	Total Corr'd PSD (dBm/500K Hz)	PSD Limit (dBm/500K Hz)	PSD Margin (dB)
Low	5745	7.76	7.76	30.00	-22.24
Mid	5785	7.97	7.97	30.00	-22.03
High	5825	7.78	7.78	30.00	-22.22





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

8.36.1. 6 dB BANDWIDTH

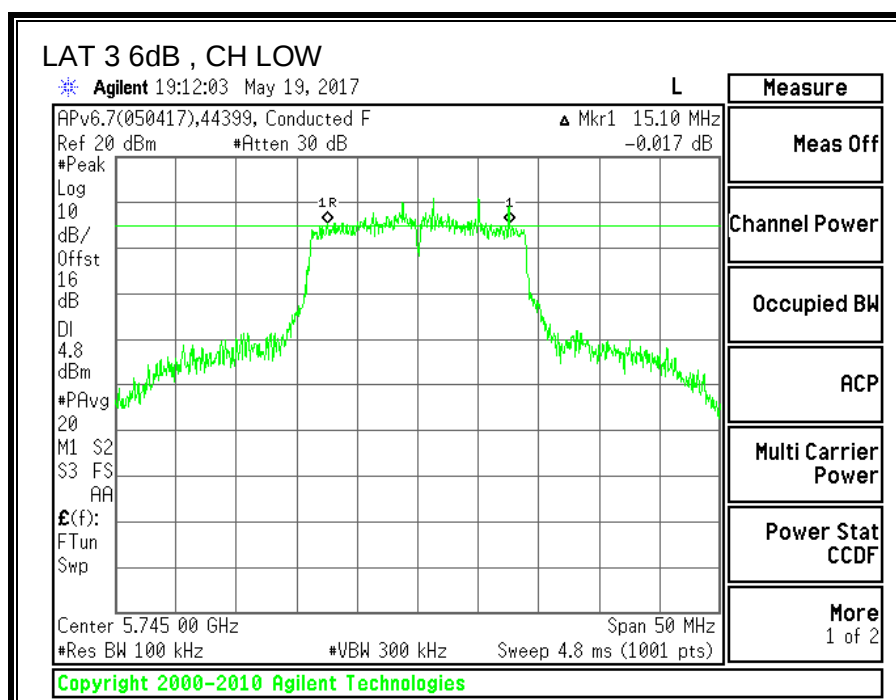
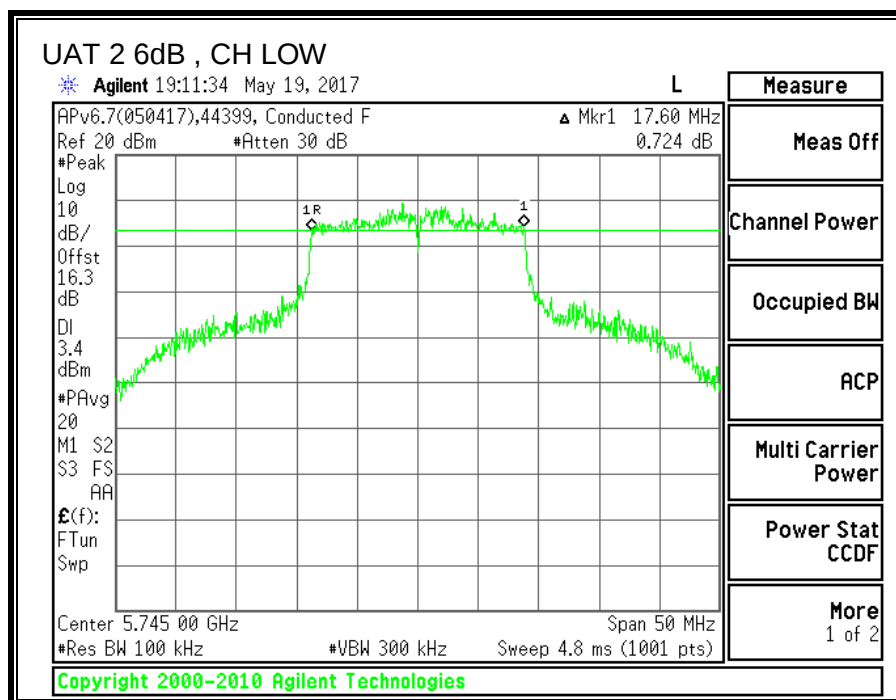
LIMITS

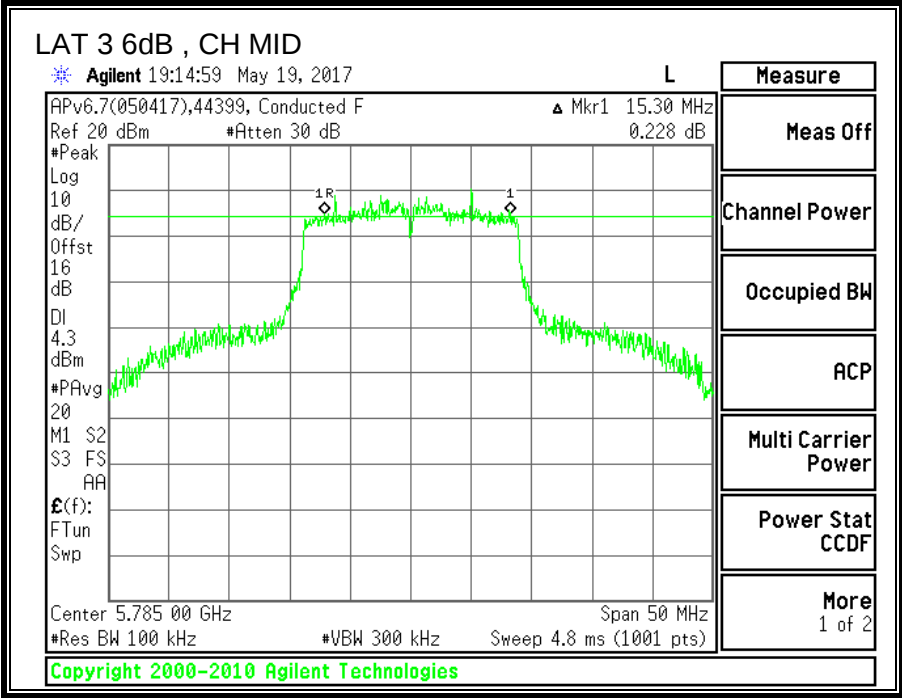
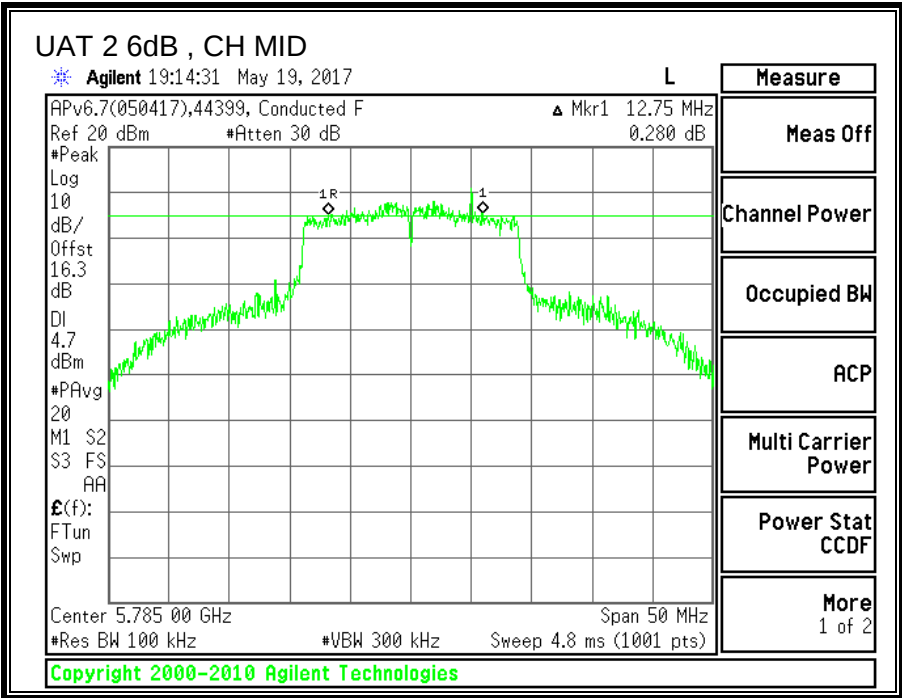
FCC §15.407 (e)

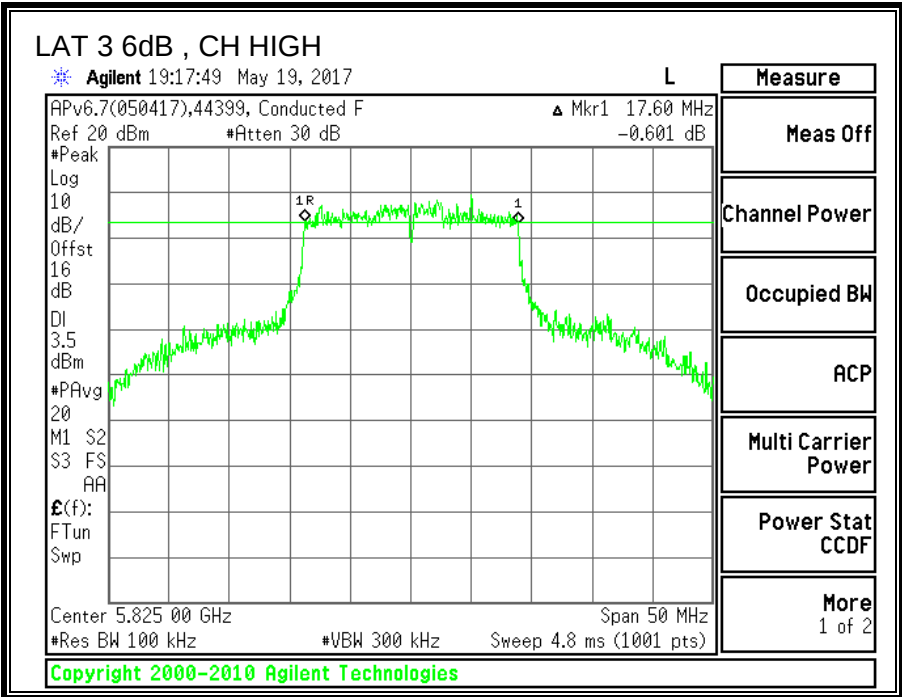
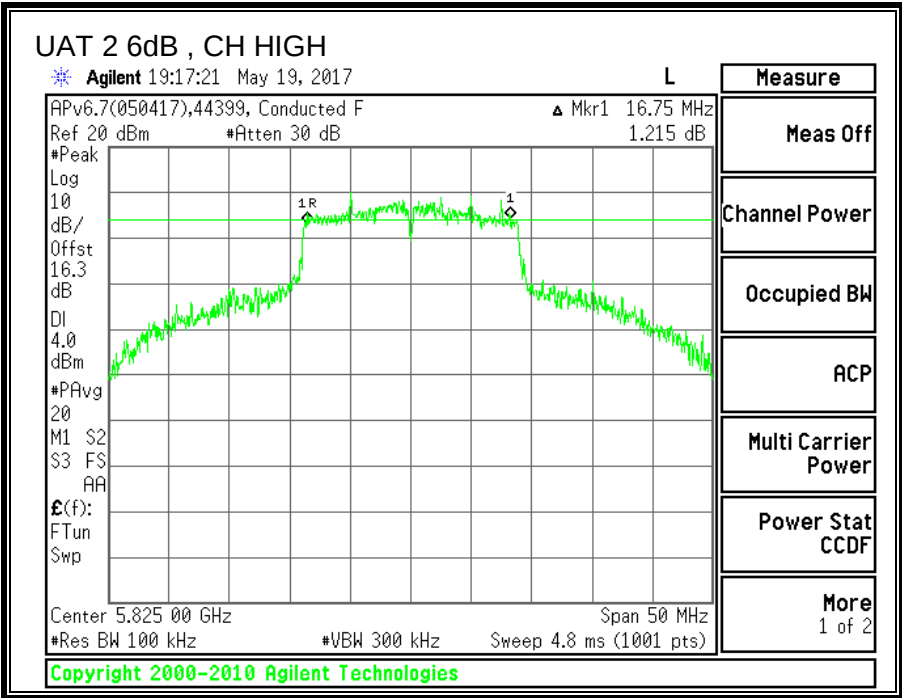
The minimum 6 dB bandwidth shall be at least 500 kHz.

RESULTS

Channel	Frequency	6 dB BW UAT 2 (MHz)	6 dB BW LAT 3 (MHz)	Minimum Limit (MHz)
Low	5745	17.60	15.10	0.5
Mid	5785	12.75	15.30	0.5
High	5825	16.75	17.60	0.5







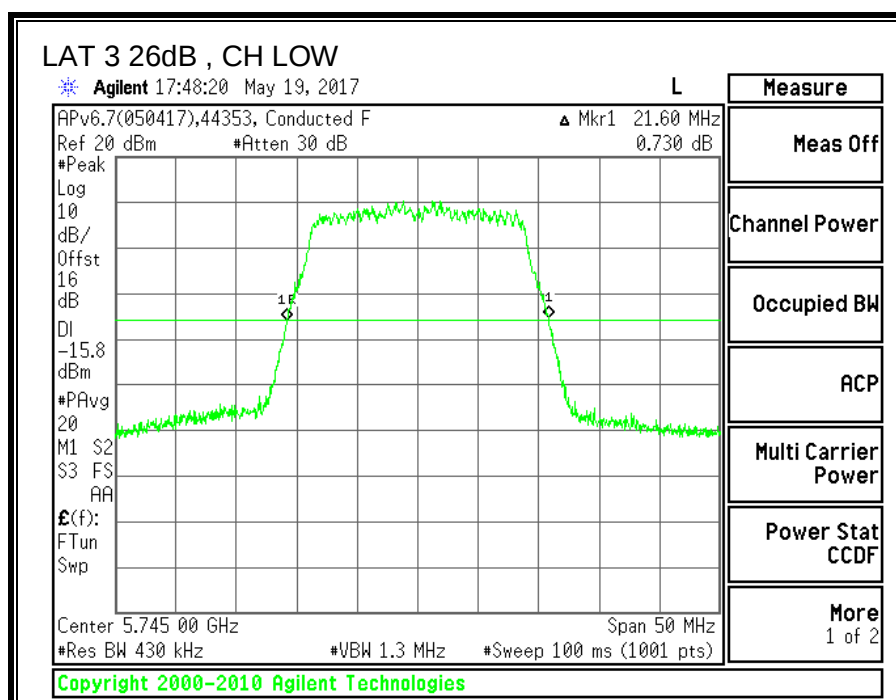
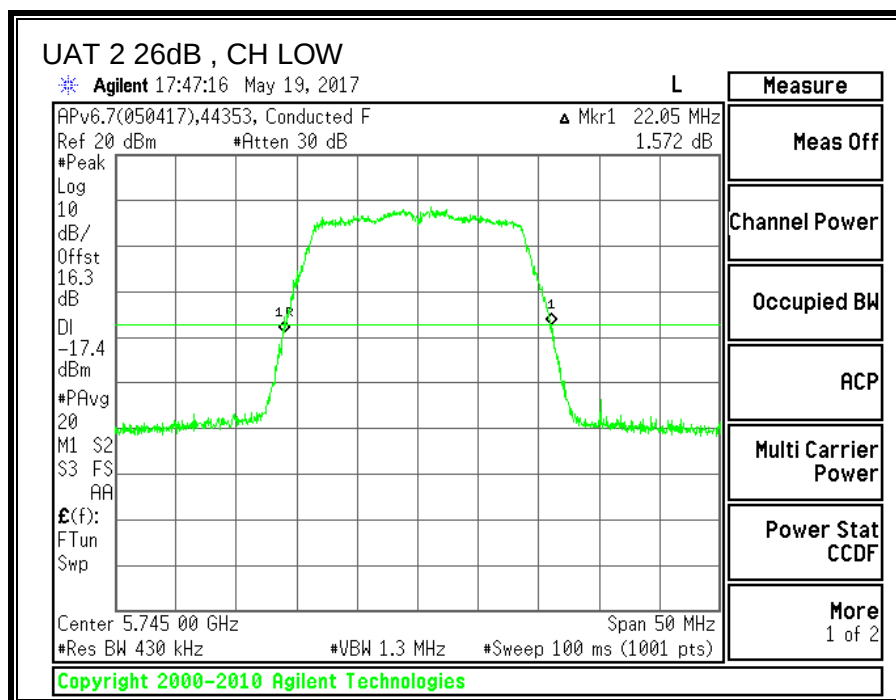
8.36.2. 26 dB BANDWIDTH

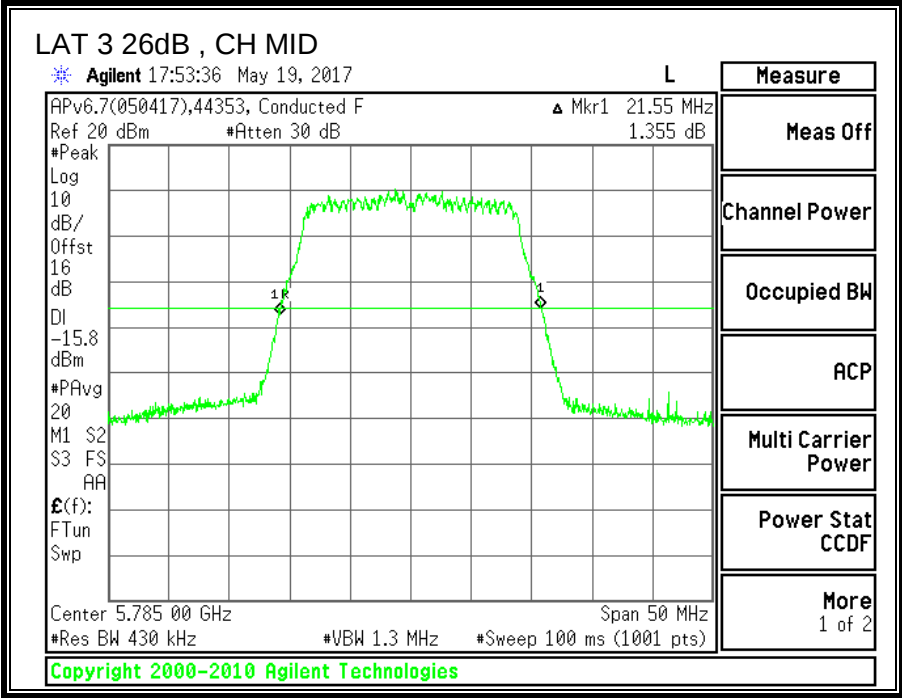
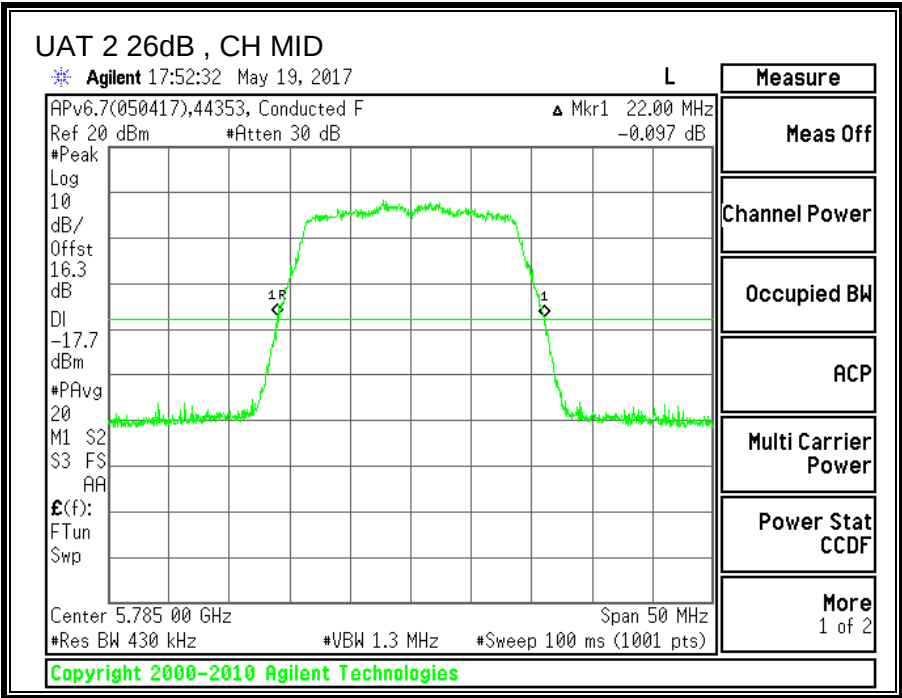
LIMITS

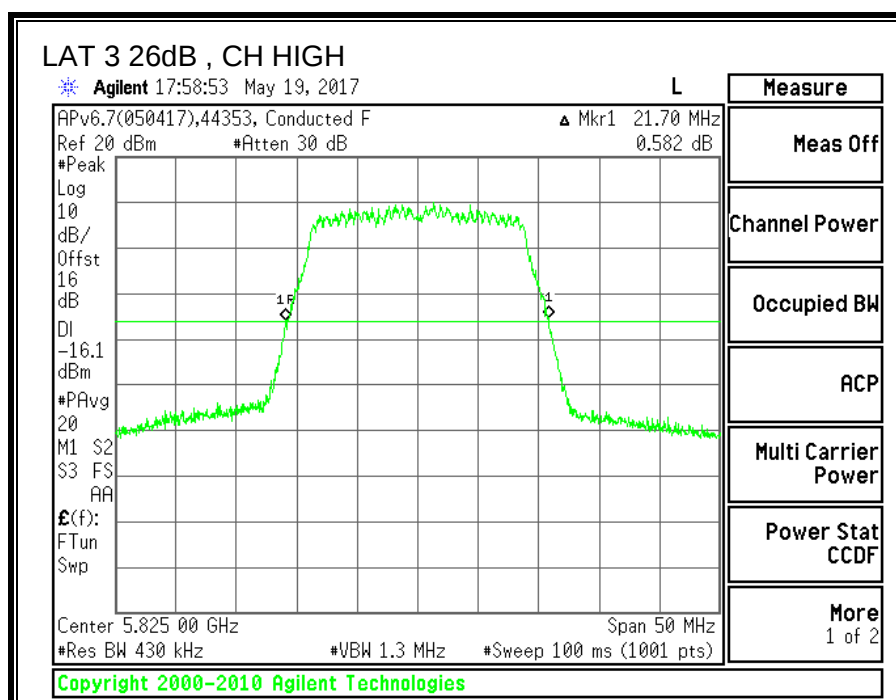
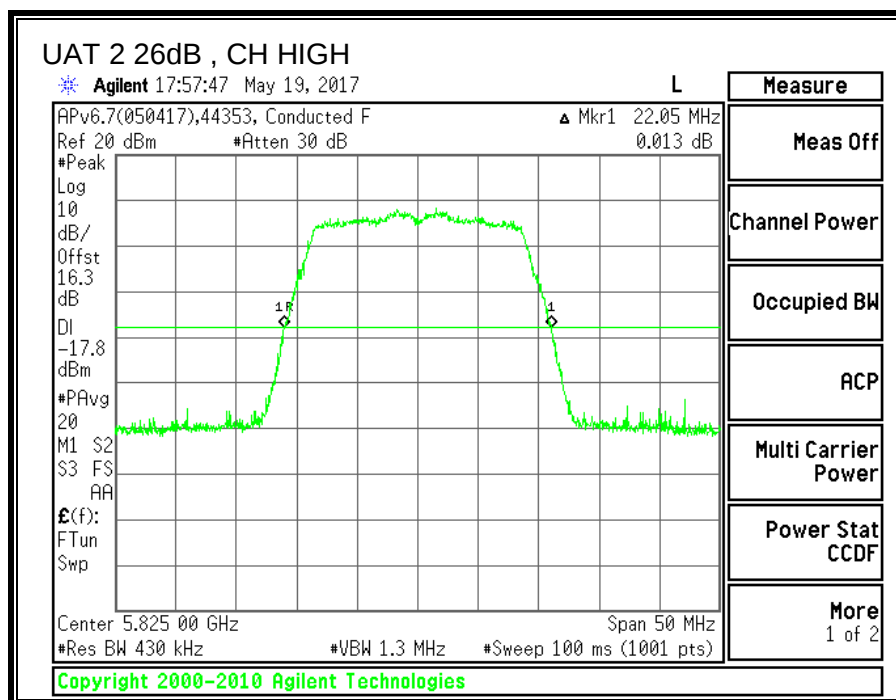
None; for reporting purposes only.

RESULTS

Channel	Frequency	26 dB BW UAT 2 (MHz)	26 dB BW LAT 3 (MHz)
Low	5745	22.05	21.60
Mid	5785	22.00	21.55
High	5825	22.05	21.70







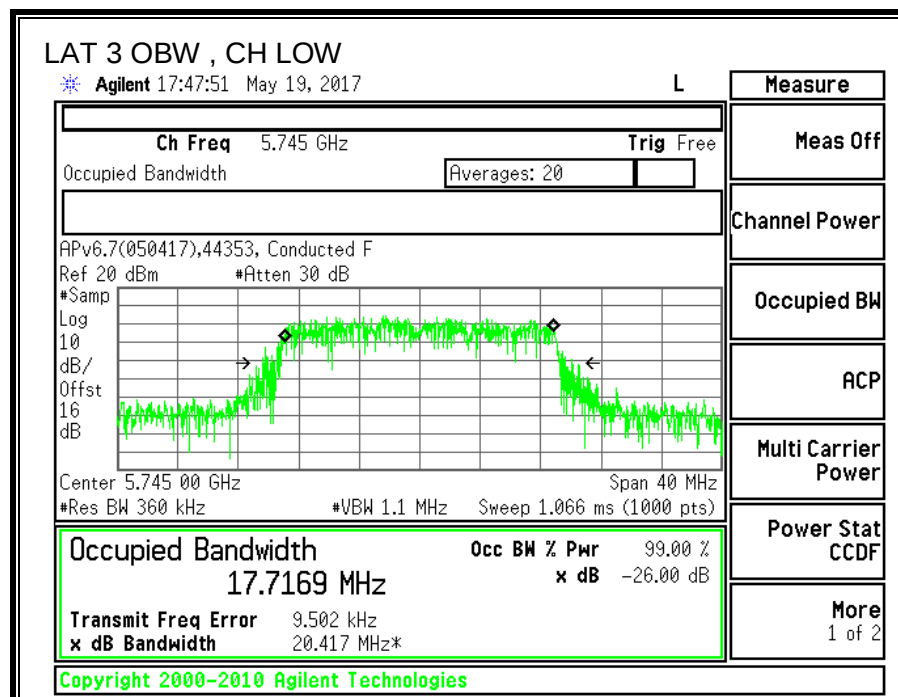
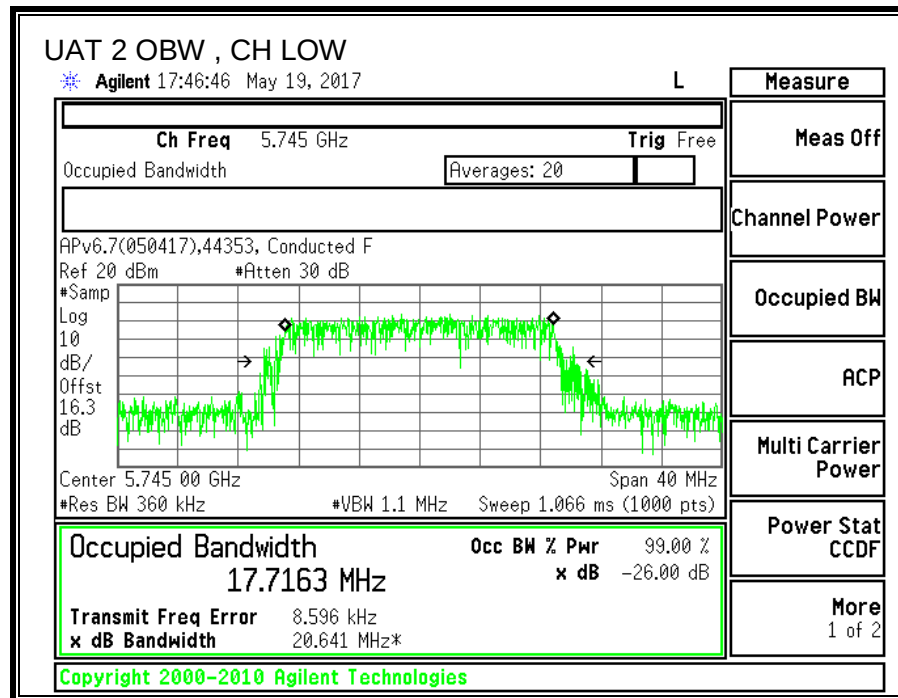
8.36.3. 99% BANDWIDTH

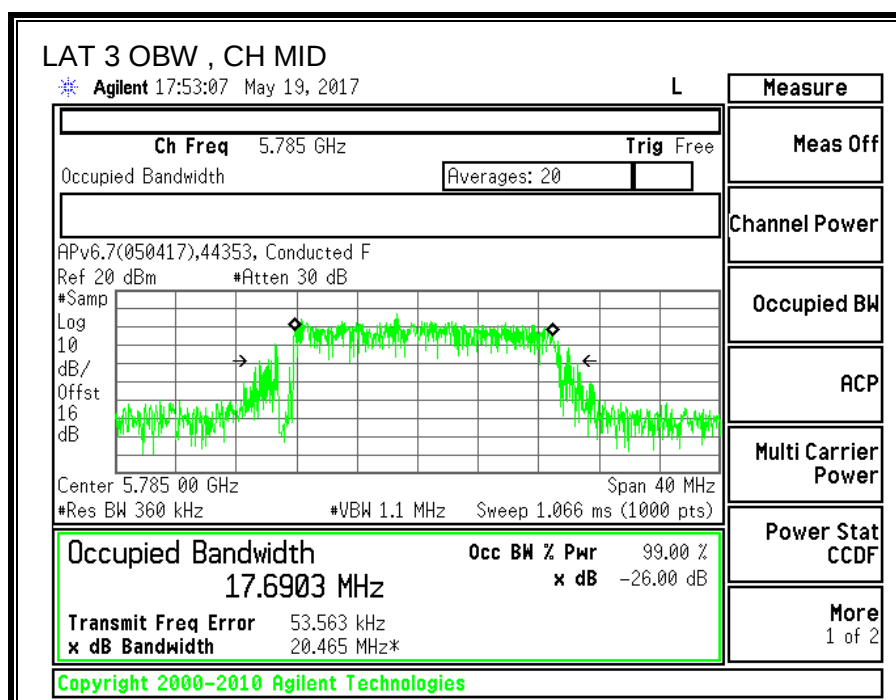
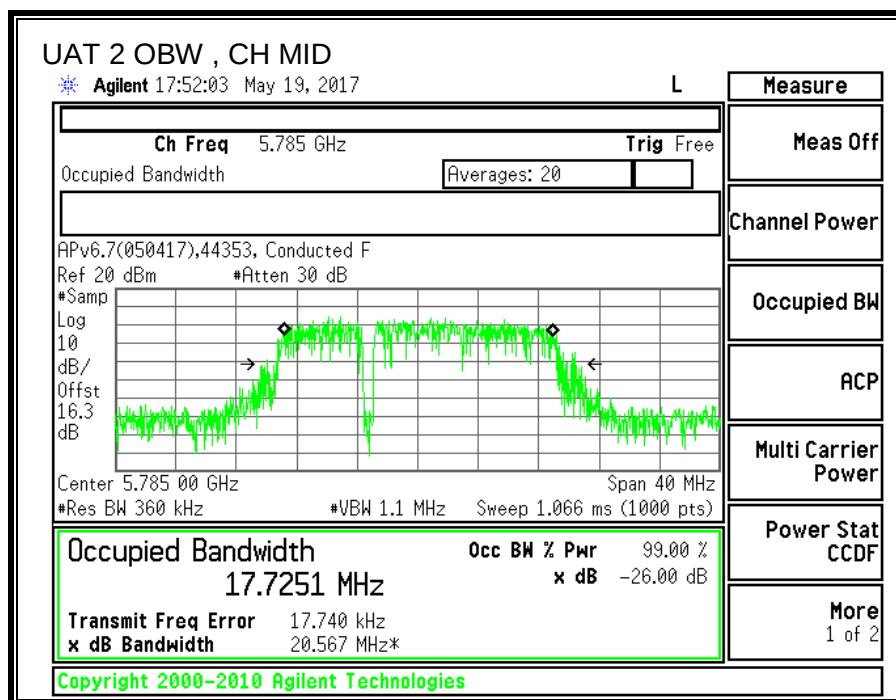
LIMITS

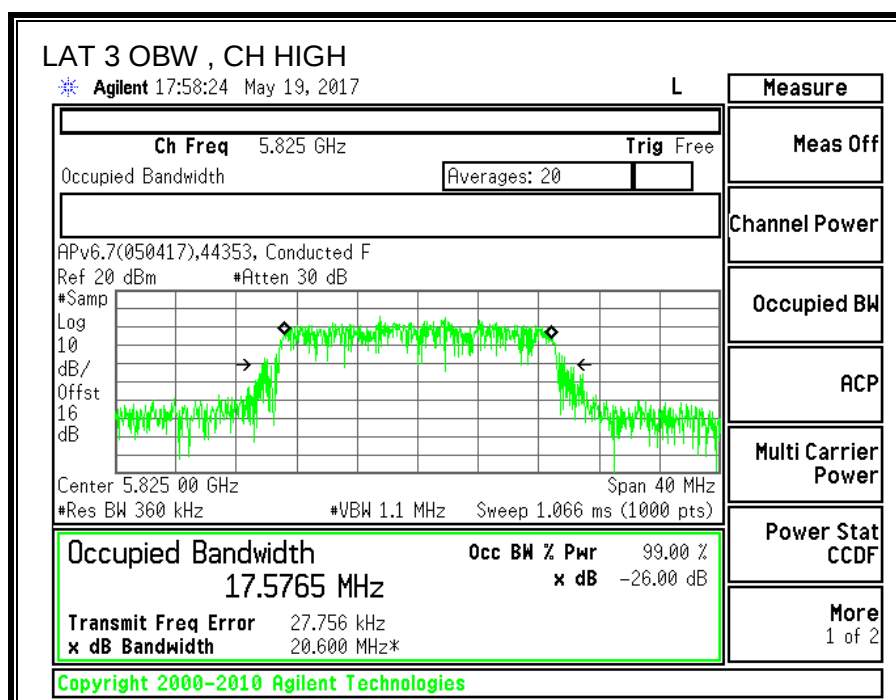
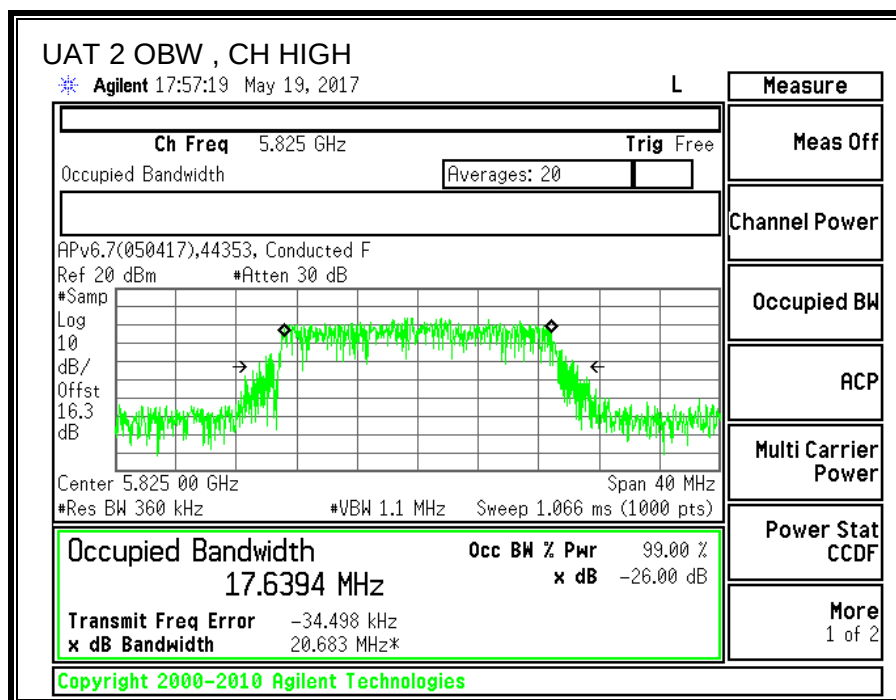
None; for reporting purposes only.

RESULTS

Channel	Frequency	99% BW UAT 2 (MHz)	99% BW LAT 3 (MHz)
Low	5745	17.7163	17.7169
Mid	5785	17.7251	17.6903
High	5825	17.6394	17.5765







8.36.4. AVERAGE POWER

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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	21.41	21.39	24.41
Mid	5785	21.45	21.48	24.48
High	5825	21.39	21.41	24.41

8.36.5. OUTPUT POWER

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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)
-3.57	-6.31	-4.73

RESULTS

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)
Low	5745	-4.73	30.00
Mid	5785	-4.73	30.00
High	5825	-4.73	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	21.41	21.39	24.41	30.00	-5.59
Mid	5785	21.45	21.48	24.48	30.00	-5.52
High	5825	21.39	21.41	24.41	30.00	-5.59

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)
-3.57	-6.31	-1.82

RESULTS

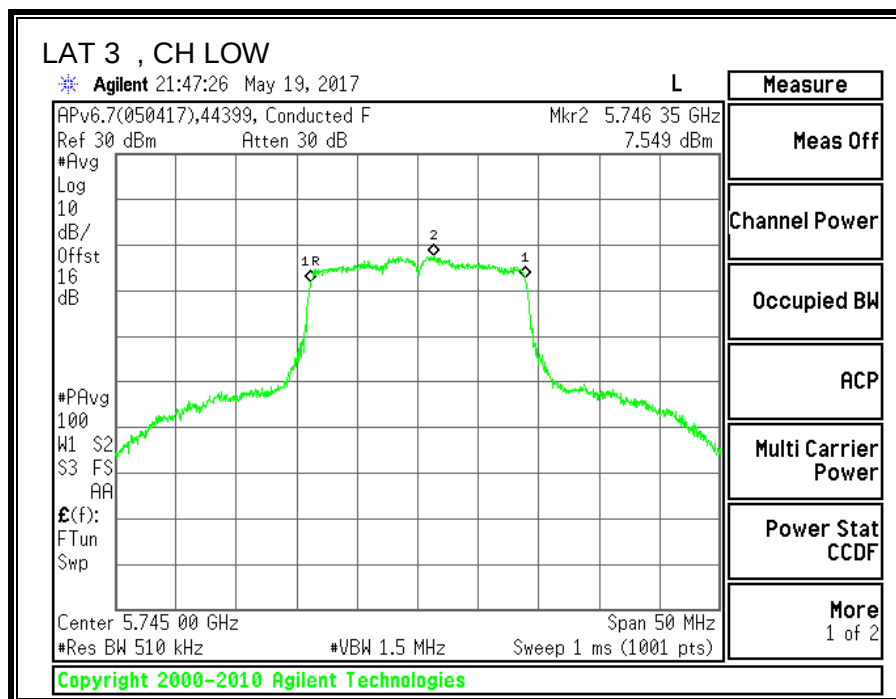
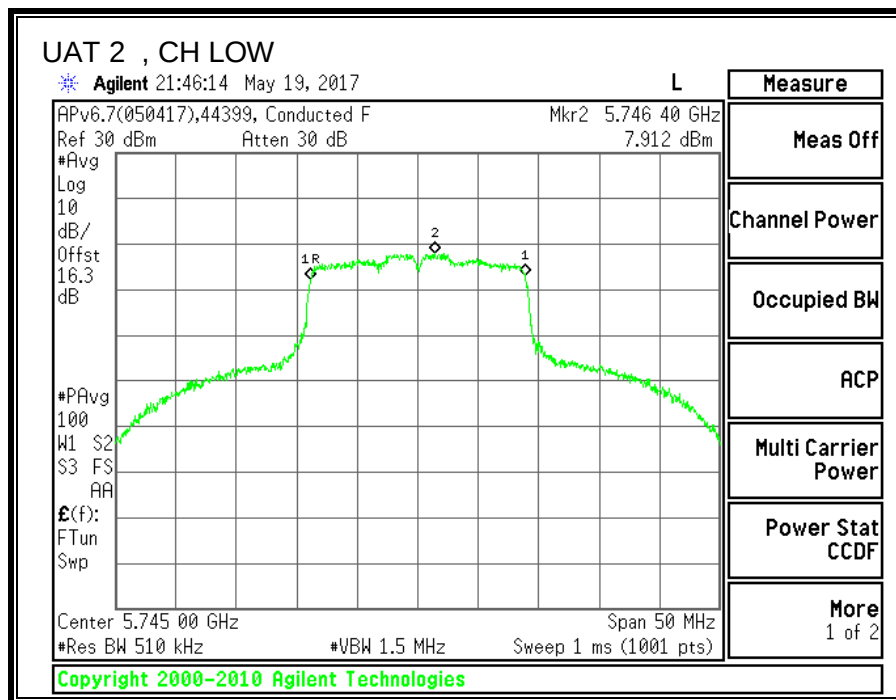
Antenna Gain and Limits

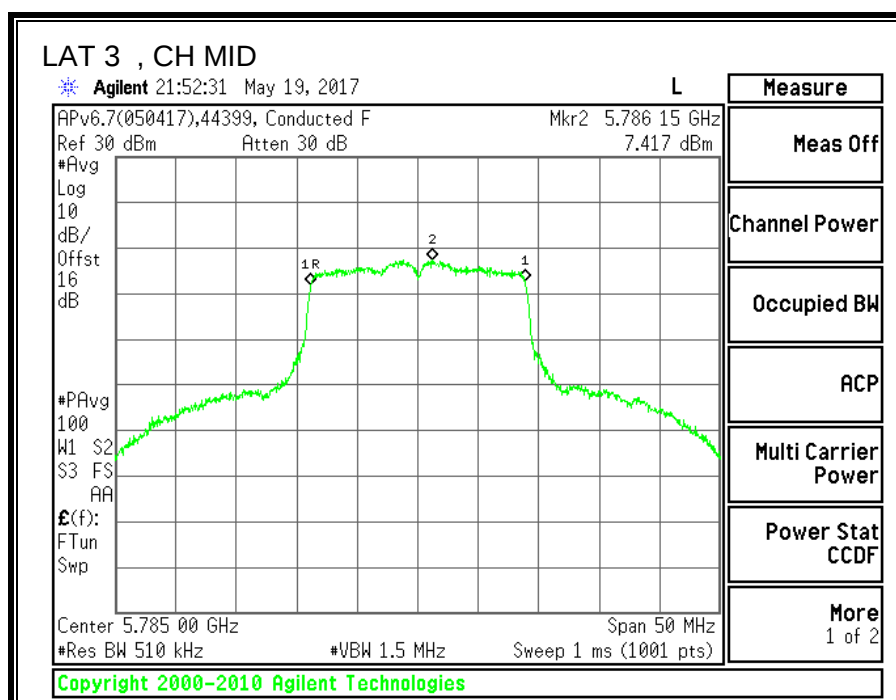
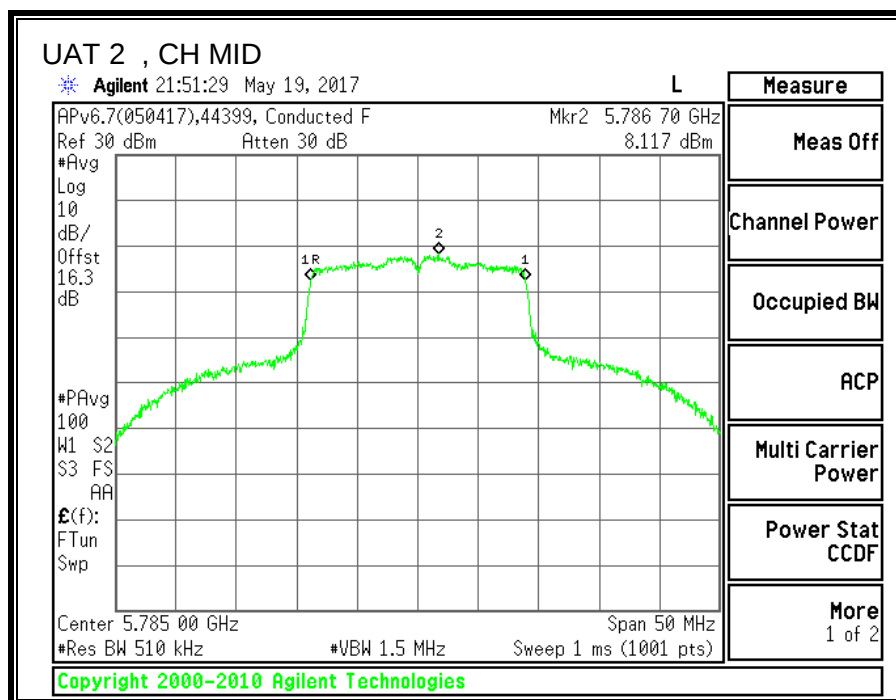
Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm/500K Hz)
Low	5745	-1.82	30.00
Mid	5785	-1.82	30.00
High	5825	-1.82	30.00

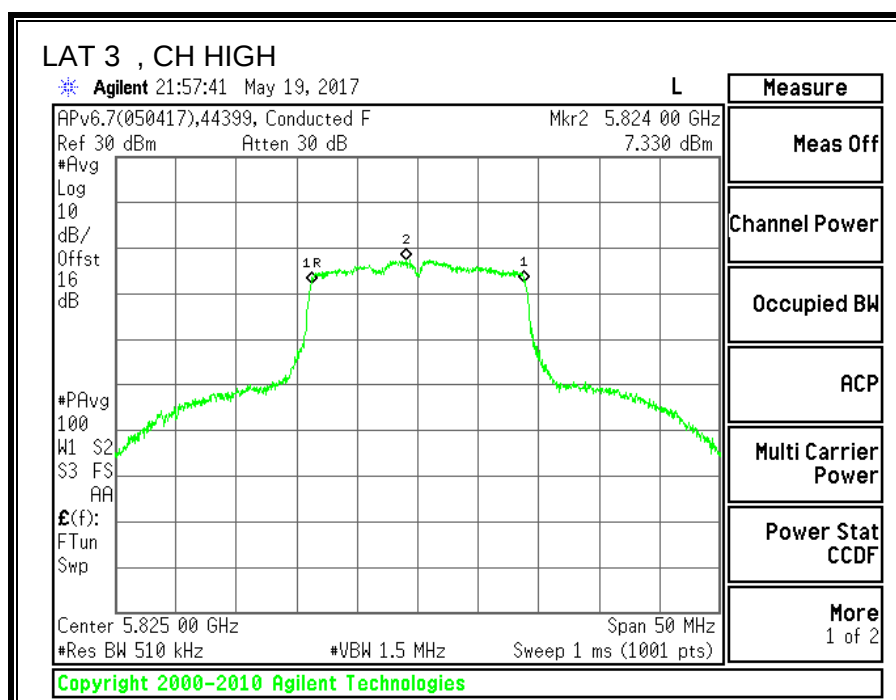
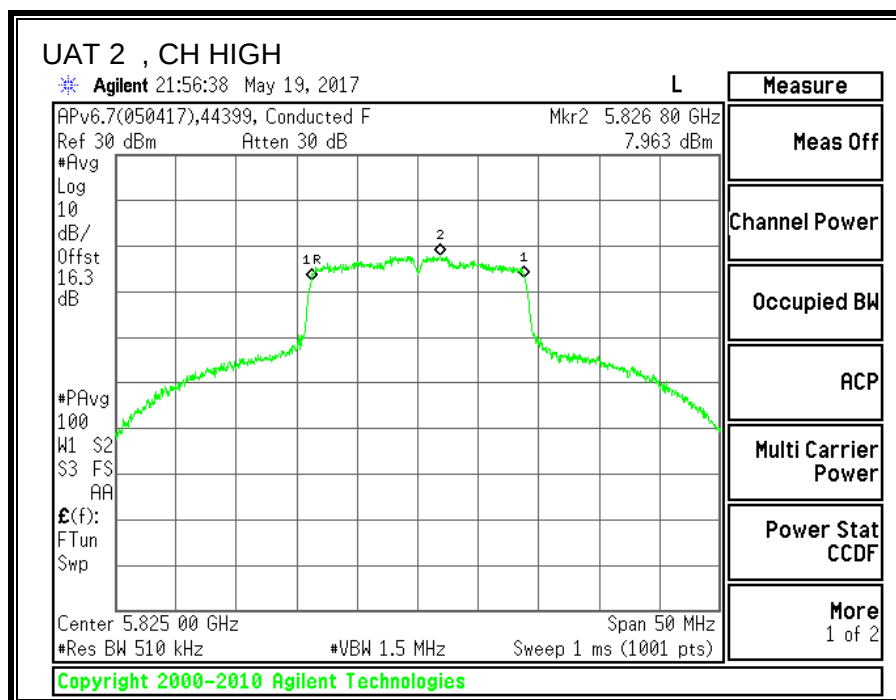
Duty Cycle CF (dB)	Included in Calculations of Corr'd PSD
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PSD Results

Channel	Frequency (MHz)	UAT 2 Meas PSD (dBm/500K Hz)	LAT 3 Meas PSD (dBm/500K Hz)	Total Corr'd PSD (dBm/500K Hz)	PSD Limit (dBm/500K Hz)	PSD Margin (dB)
Low	5745	7.912	7.549	10.74	30.00	-19.26
Mid	5785	8.117	7.417	10.79	30.00	-19.21
High	5825	7.963	7.330	10.67	30.00	-19.33







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

8.37.1. 6 dB BANDWIDTH

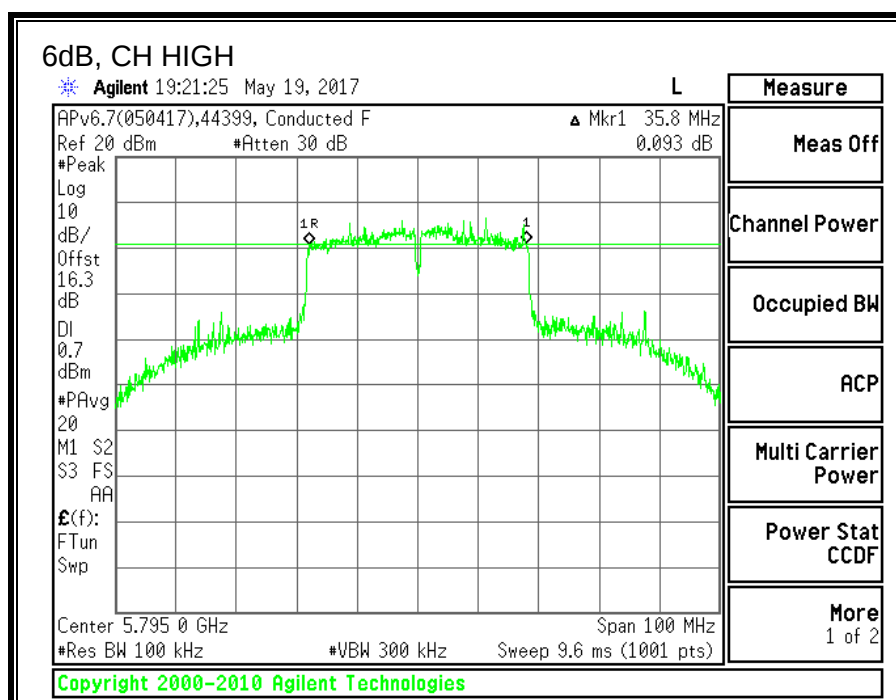
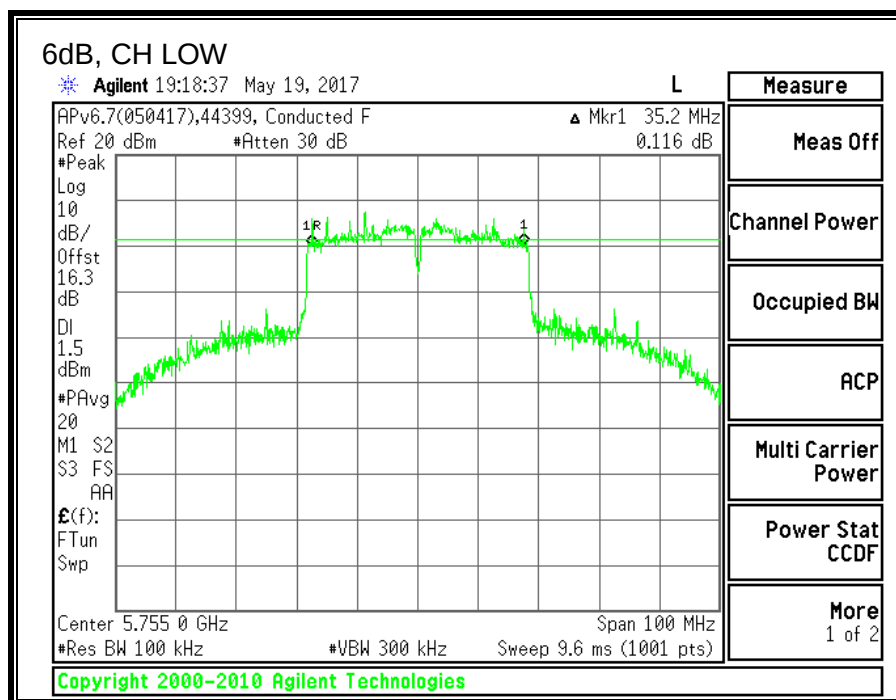
LIMITS

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	35.2	0.5
High	5795	35.8	0.5



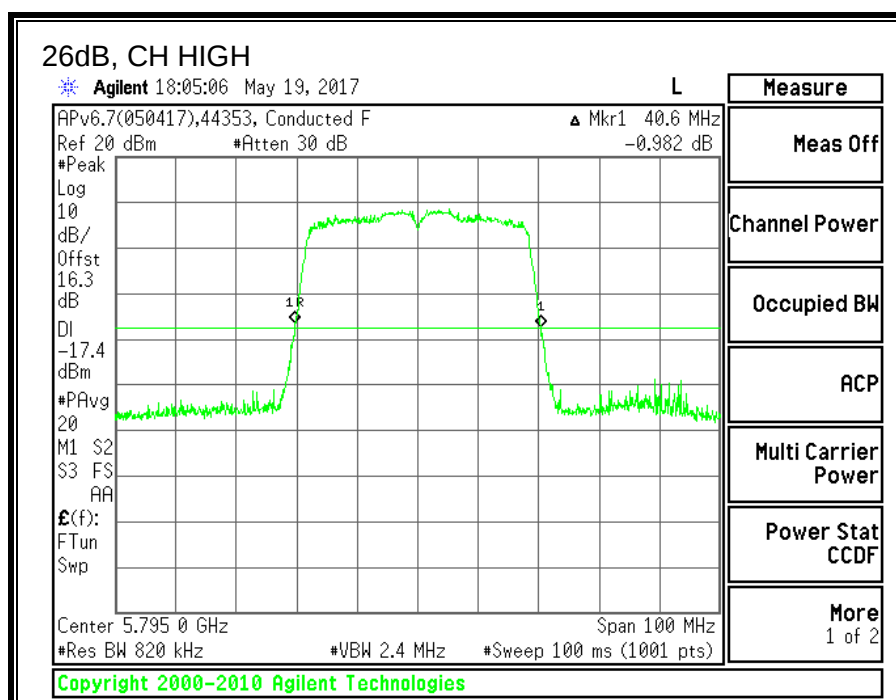
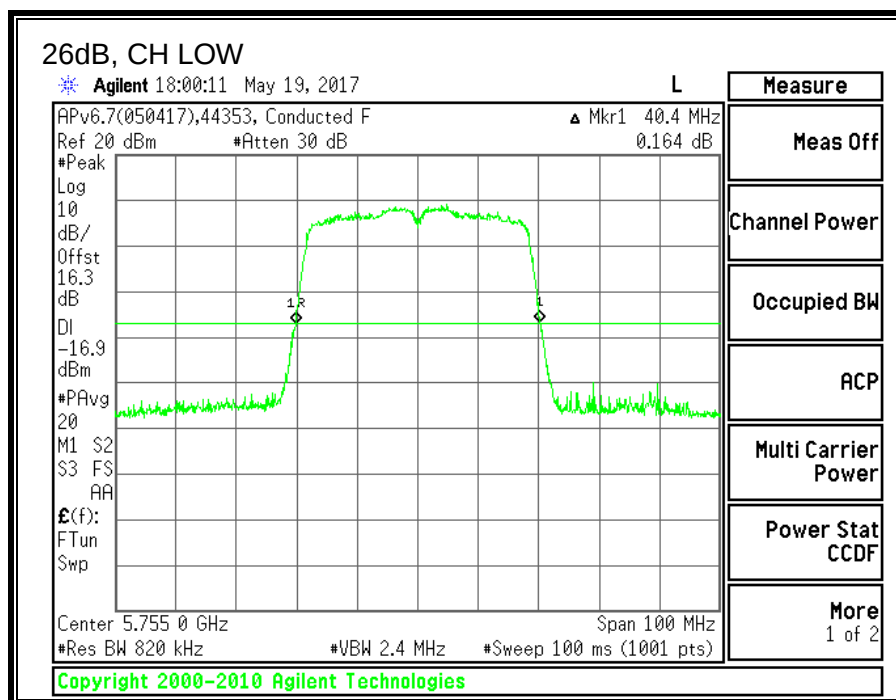
8.37.2. 26 dB BANDWIDTH

LIMITS

None; for reporting purposes only.

RESULTS

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



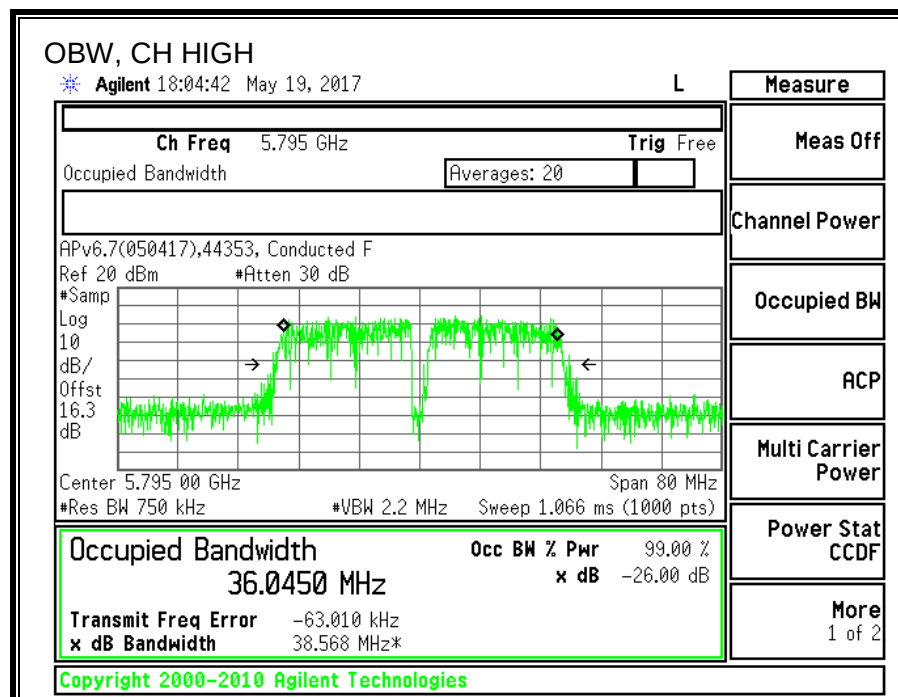
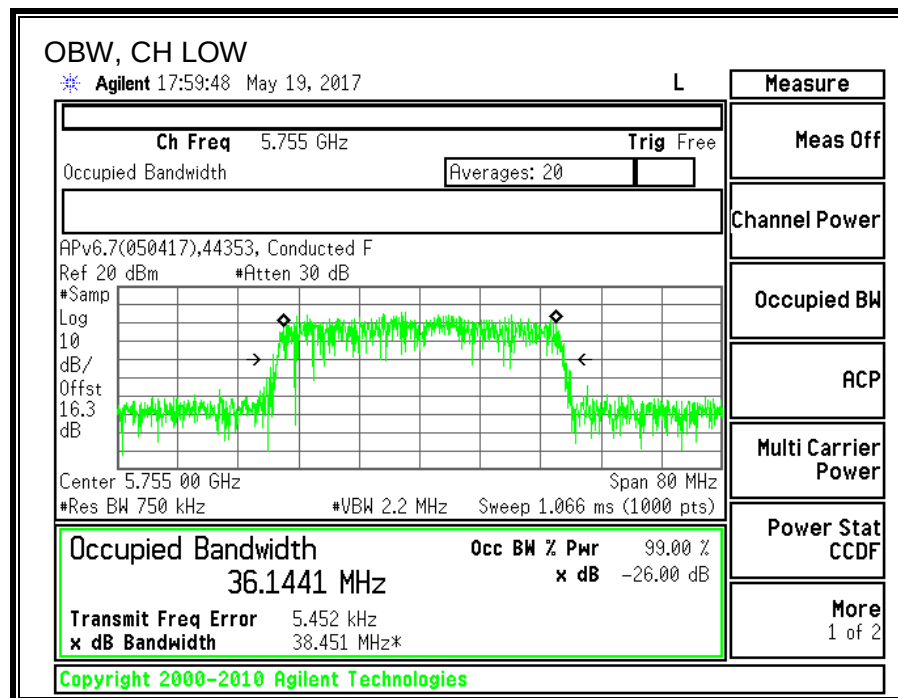
8.37.3. 99% BANDWIDTH

LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency	99% BW UAT 2 (MHz)
Low	5755	36.1441
High	5795	36.0450



8.37.4. AVERAGE POWER

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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	19.42
High	5795	19.39

8.37.5. OUTPUT POWER

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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	-3.57	30.00
High	5795	-3.57	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	19.42	19.42	30.00	-10.58
High	5795	19.39	19.39	30.00	-10.61

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

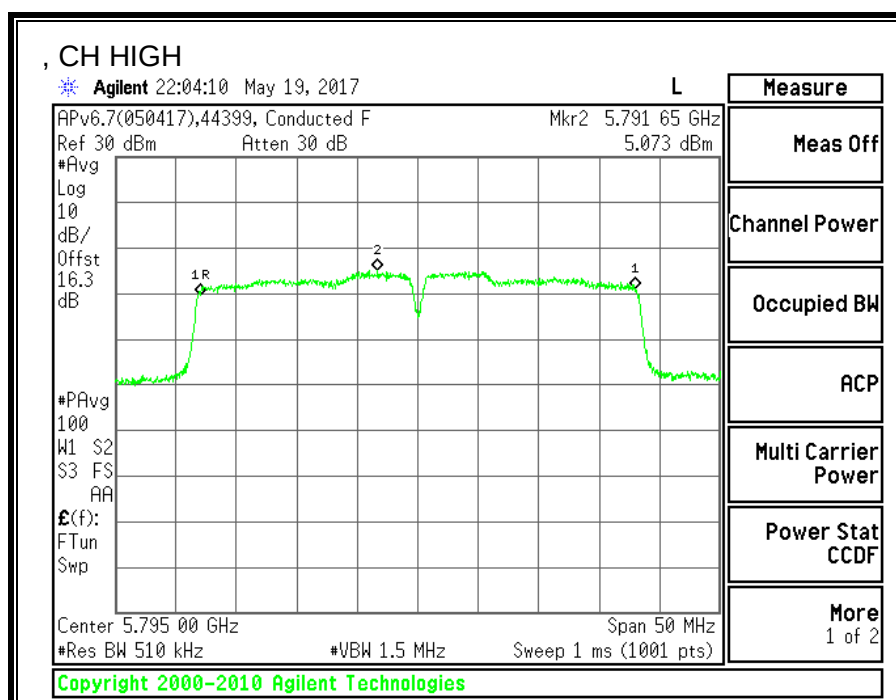
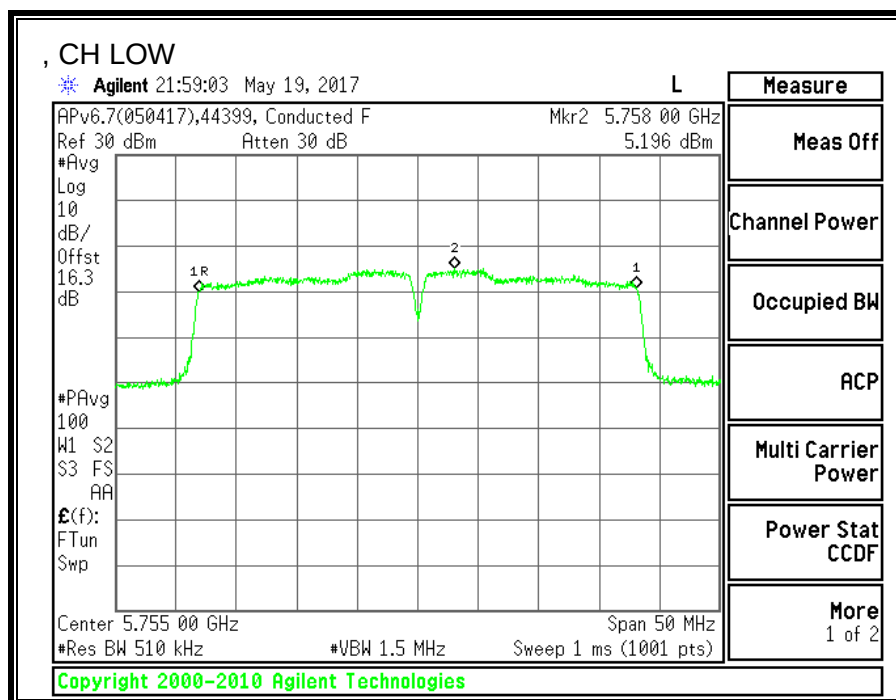
Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm/500K Hz)
Low	5755	-3.57	30.00
High	5795	-3.57	30.00

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

Channel	Frequency (MHz)	UAT 2 Meas PSD (dBm/500K Hz)	Total Corr'd PSD (dBm/500K Hz)	PSD Limit (dBm/500K Hz)	PSD Margin (dB)
Low	5755	5.20	5.39	30.00	-24.61
High	5795	5.07	5.26	30.00	-24.74



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

8.38.1. 6 dB BANDWIDTH

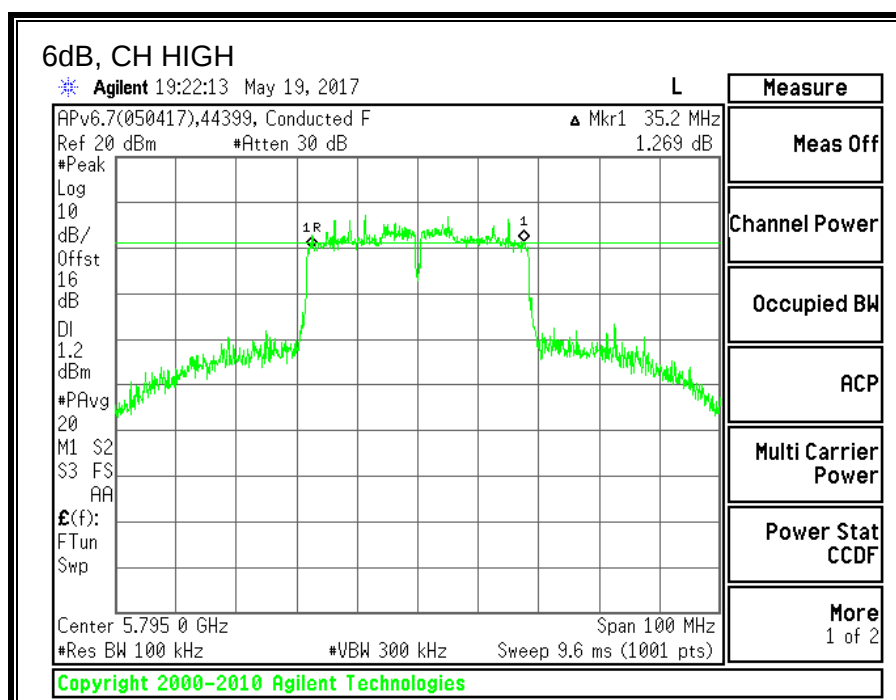
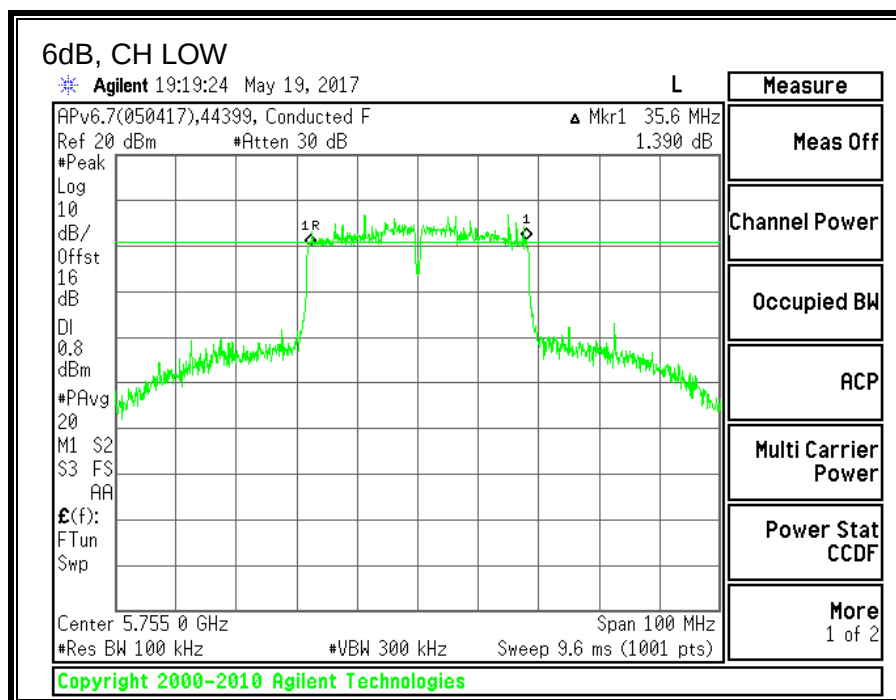
LIMITS

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	35.6	0.5
High	5795	35.2	0.5



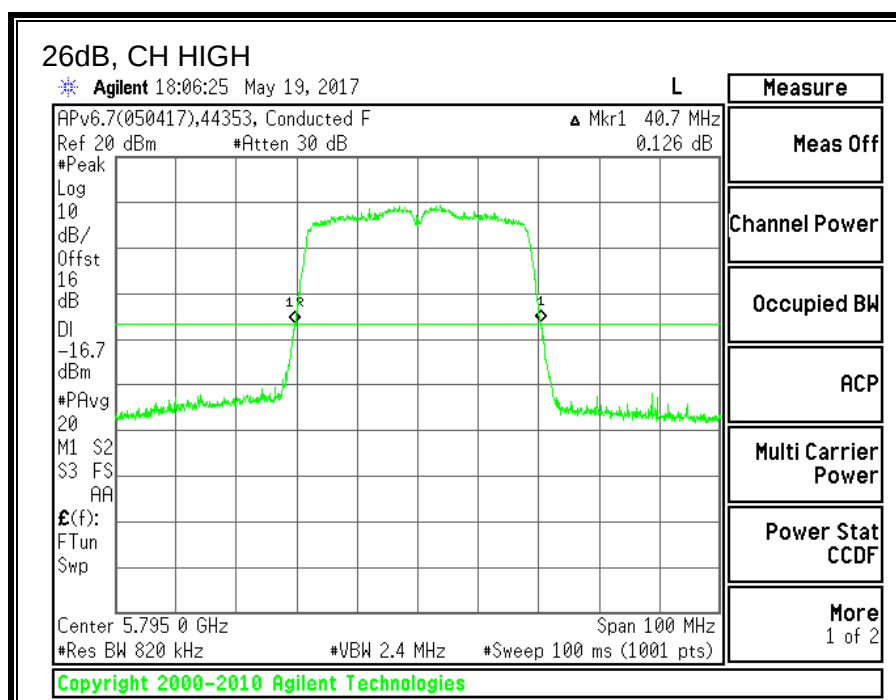
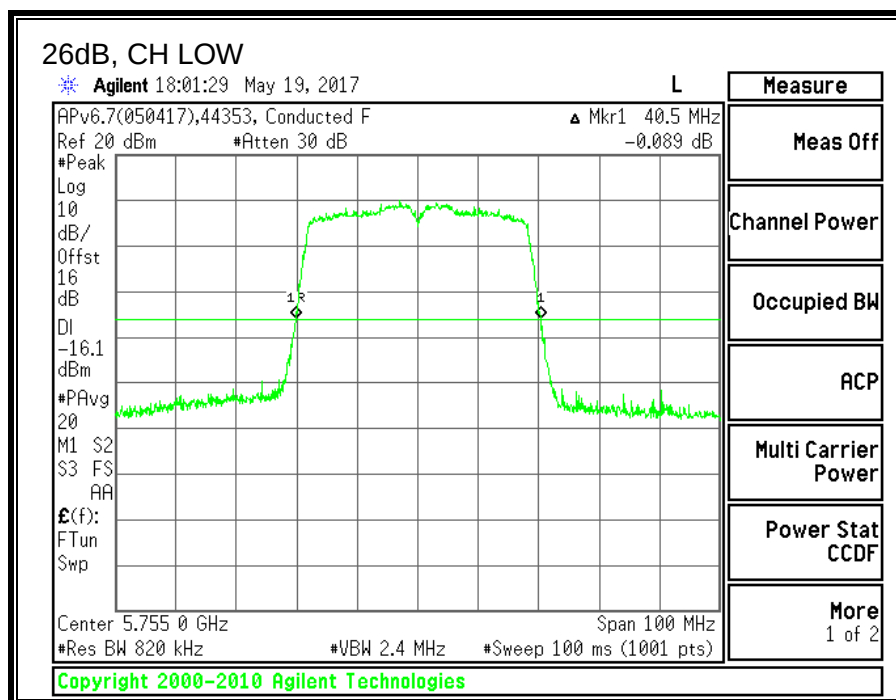
8.38.2. 26 dB BANDWIDTH

LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency	26 dB BW LAT 3 (MHz)
Low	5755	40.5
High	5795	40.7



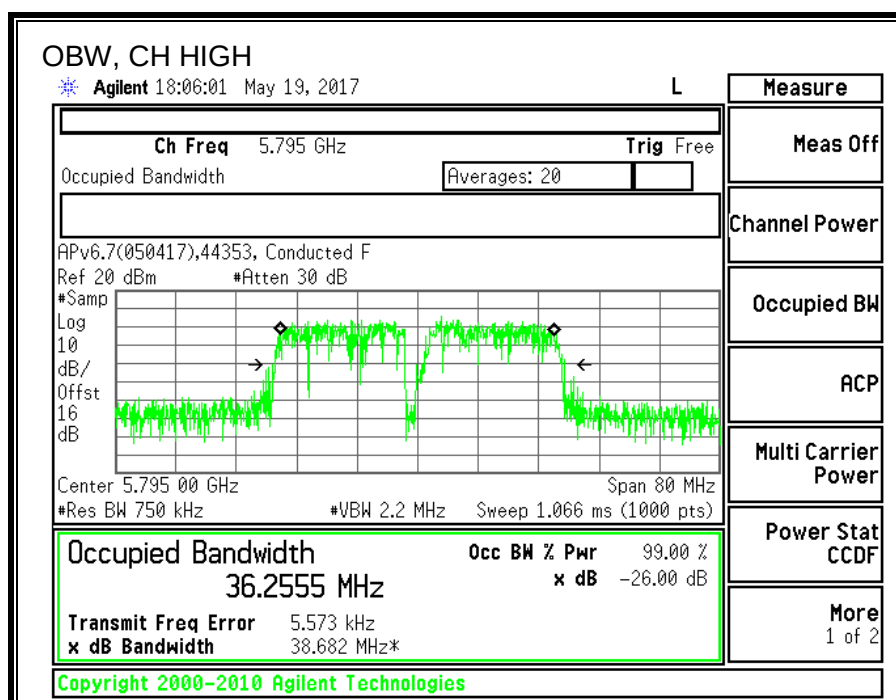
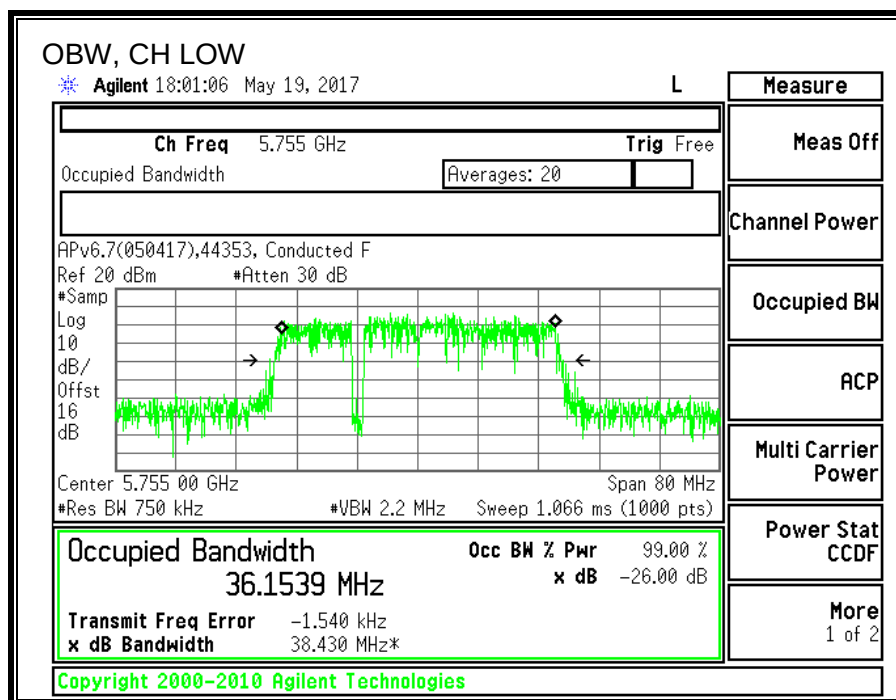
8.38.3. 99% BANDWIDTH

LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency	99% BW LAT 3 (MHz)
Low	5755	36.1539
High	5795	36.2555



8.38.4. AVERAGE POWER

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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	19.43
High	5795	19.39

8.38.5. OUTPUT POWER

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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	-6.31	30.00
High	5795	-6.31	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	19.43	19.43	30.00	-10.57
High	5795	19.39	19.39	30.00	-10.61

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

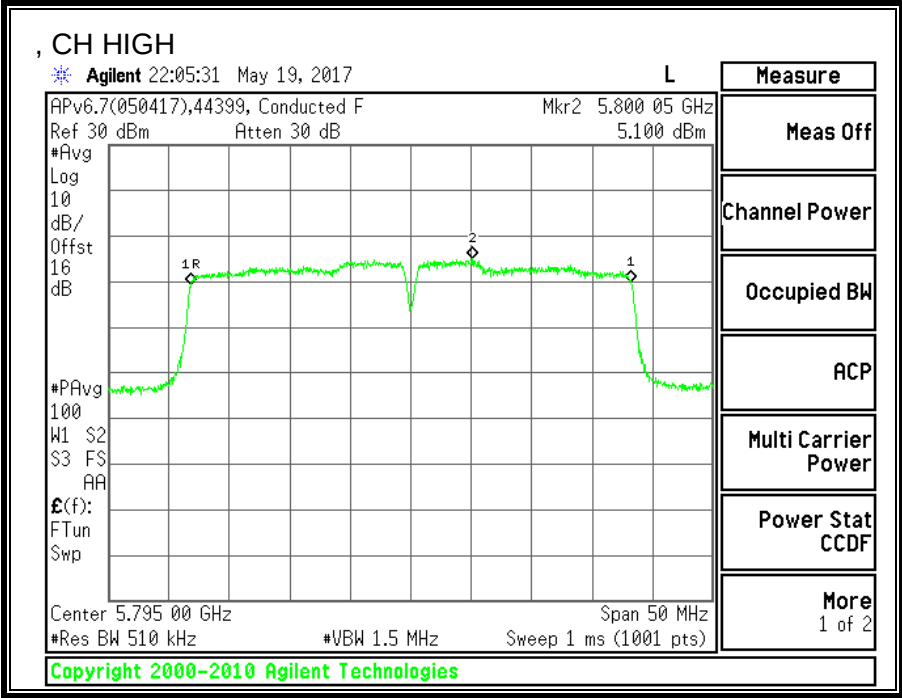
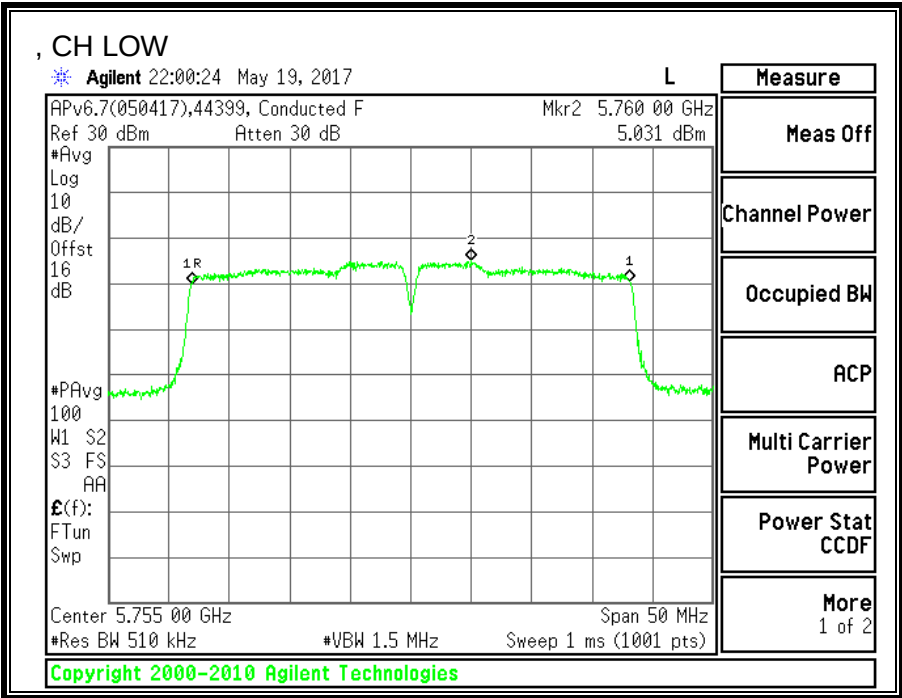
Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm/500K Hz)
Low	5755	-6.31	30.00
High	5795	-6.31	30.00

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

Channel	Frequency (MHz)	LAT 3 Meas PSD (dBm/500K Hz)	Total Corr'd PSD (dBm/500K Hz)	PSD Limit (dBm/500K Hz)	PSD Margin (dB)
Low	5755	5.03	5.22	30.00	-24.78
High	5795	5.10	5.29	30.00	-24.71



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

8.39.1. 6 dB BANDWIDTH

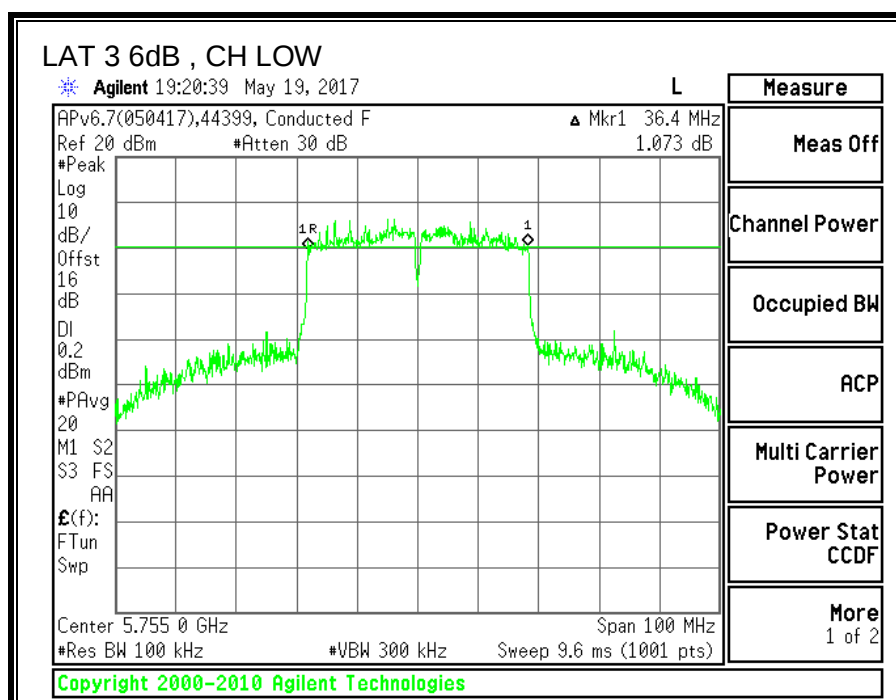
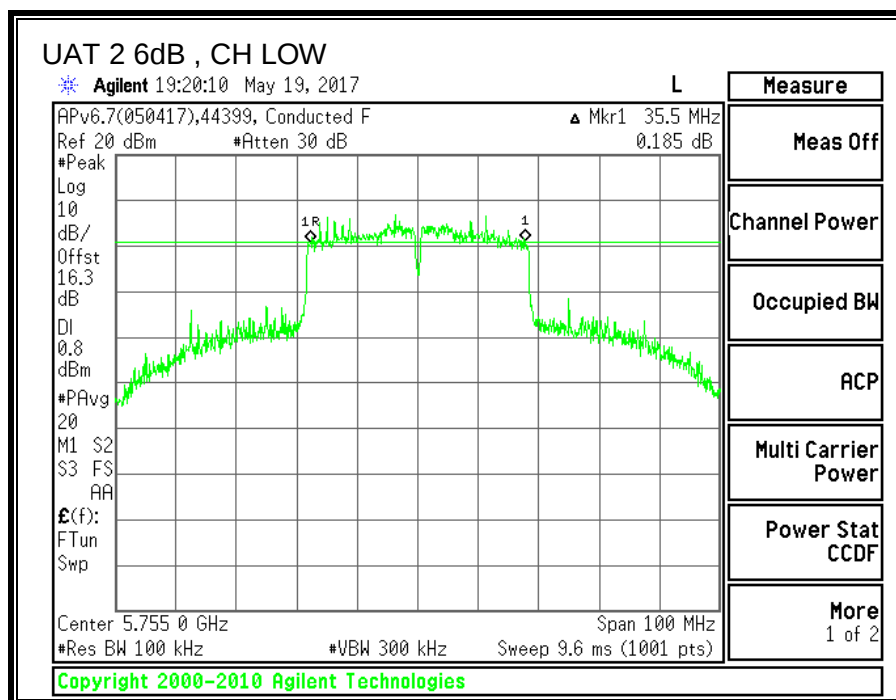
LIMITS

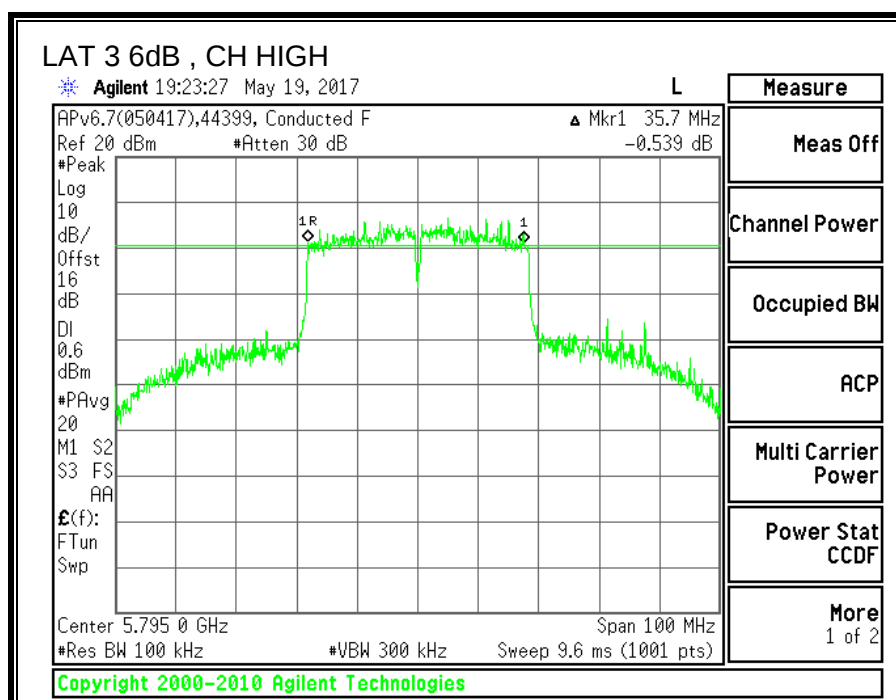
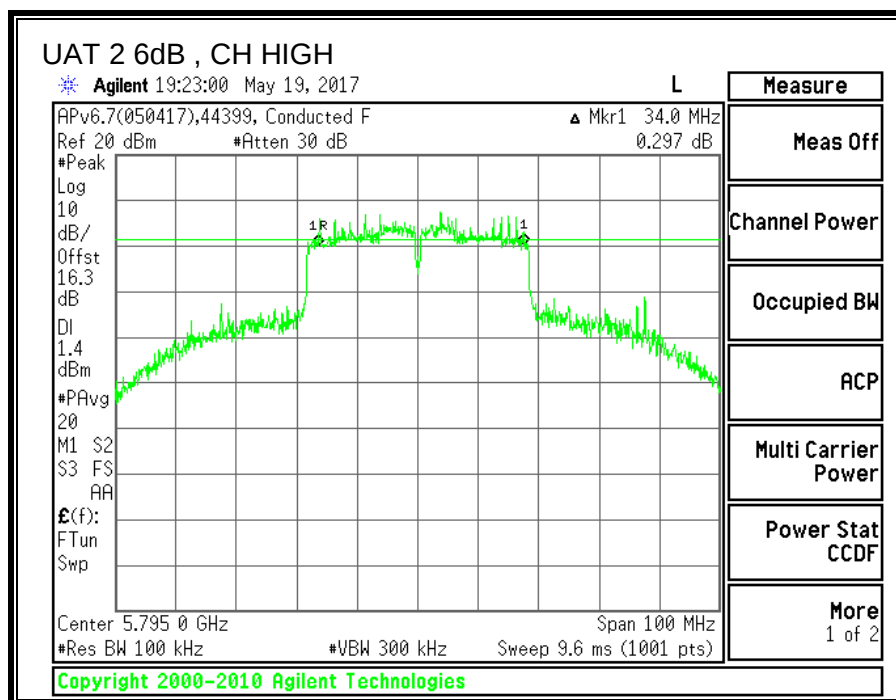
FCC §15.407 (e)

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	35.5	36.4	0.5
High	5795	34.0	35.7	0.5





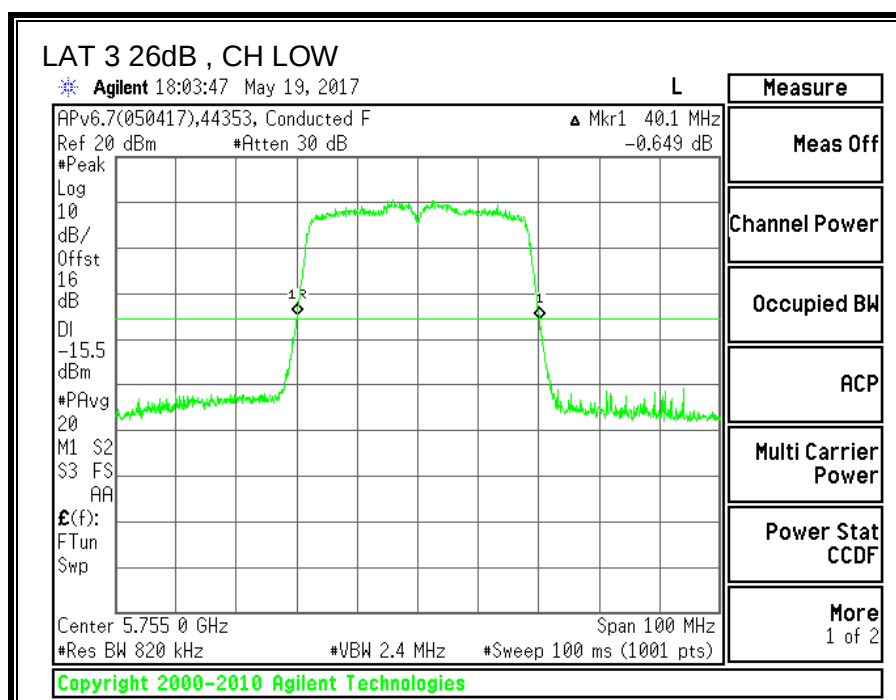
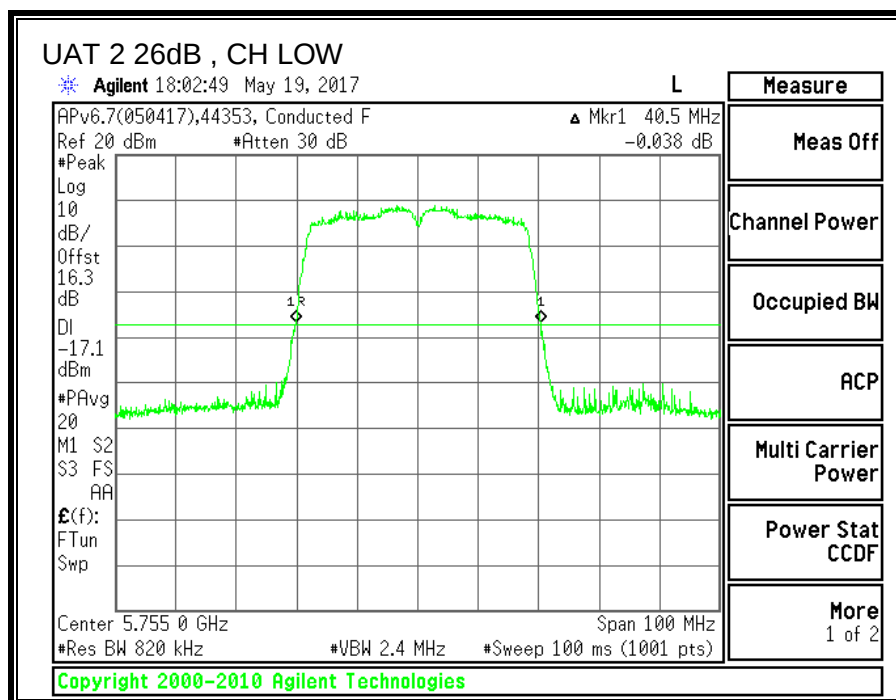
8.39.2. 26 dB BANDWIDTH

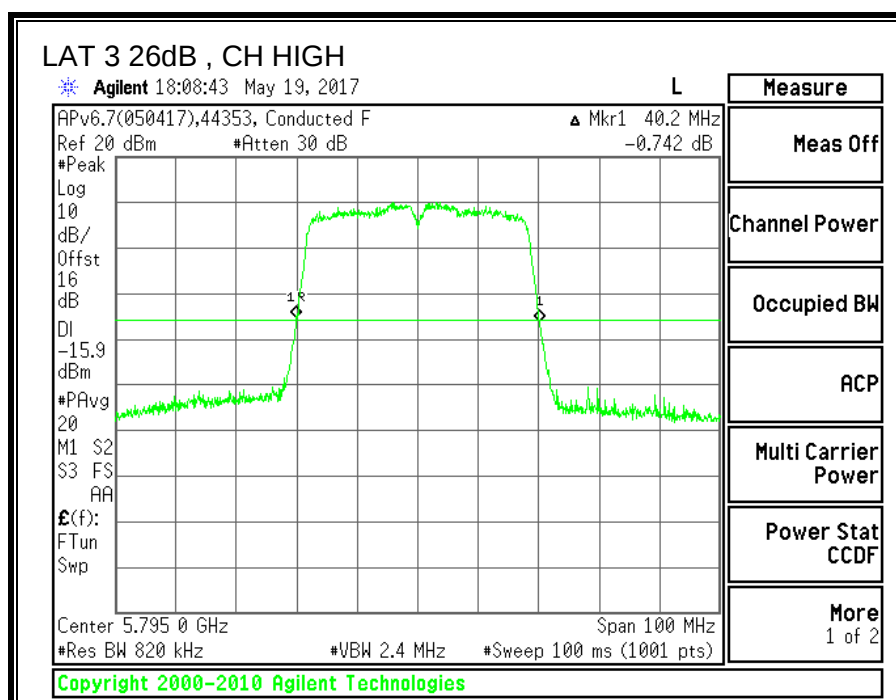
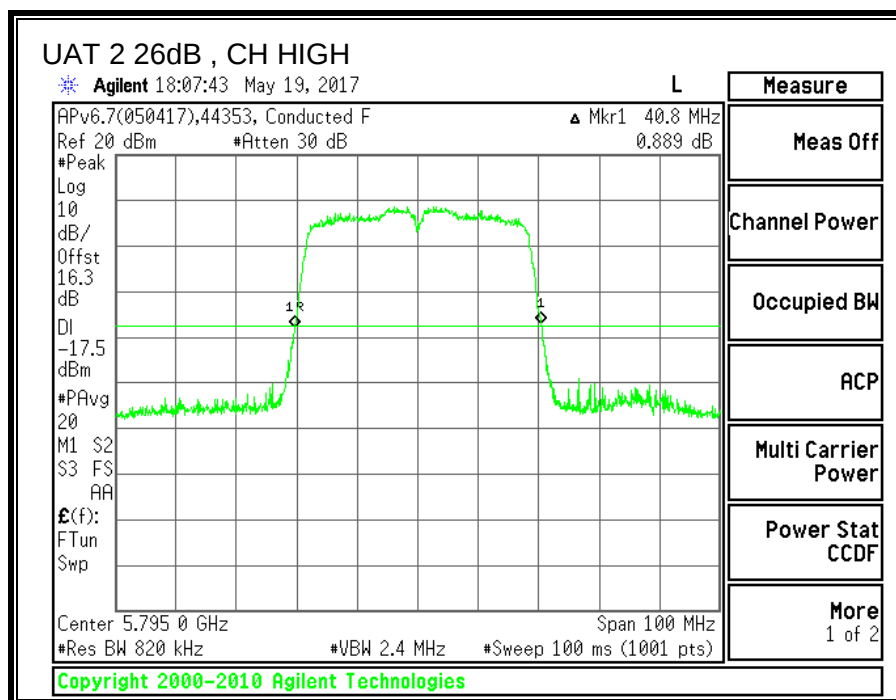
LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency	26 dB BW UAT 2 (MHz)	26 dB BW LAT 3 (MHz)
Low	5755	40.5	40.1
High	5795	40.8	40.2





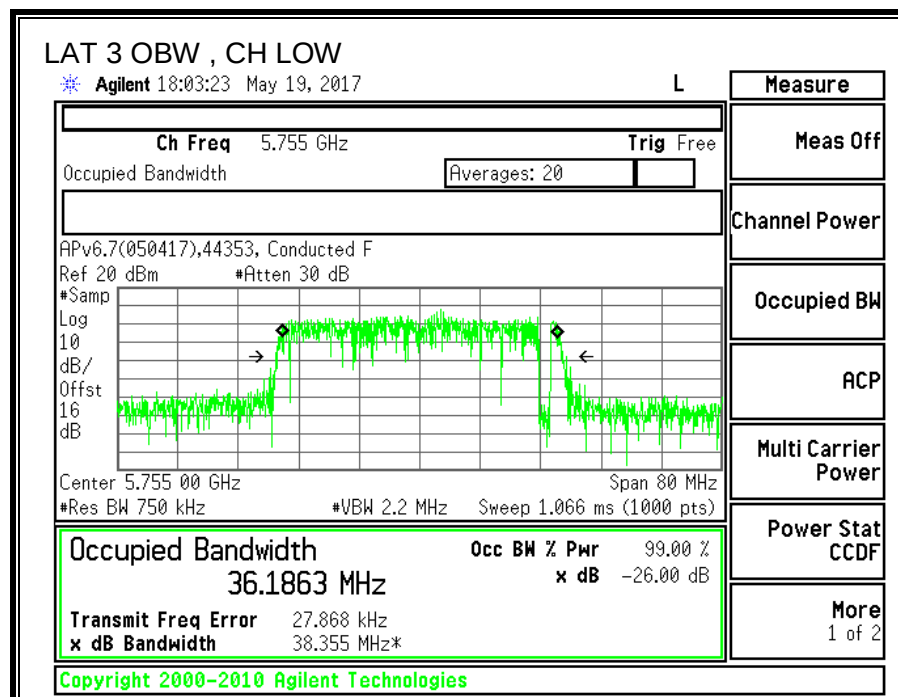
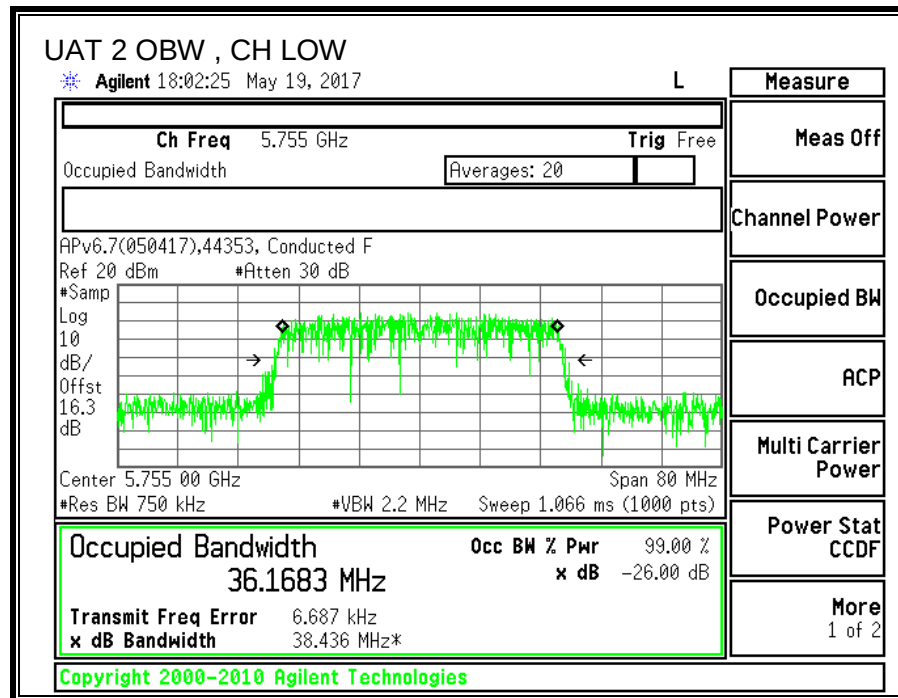
8.39.3. 99% BANDWIDTH

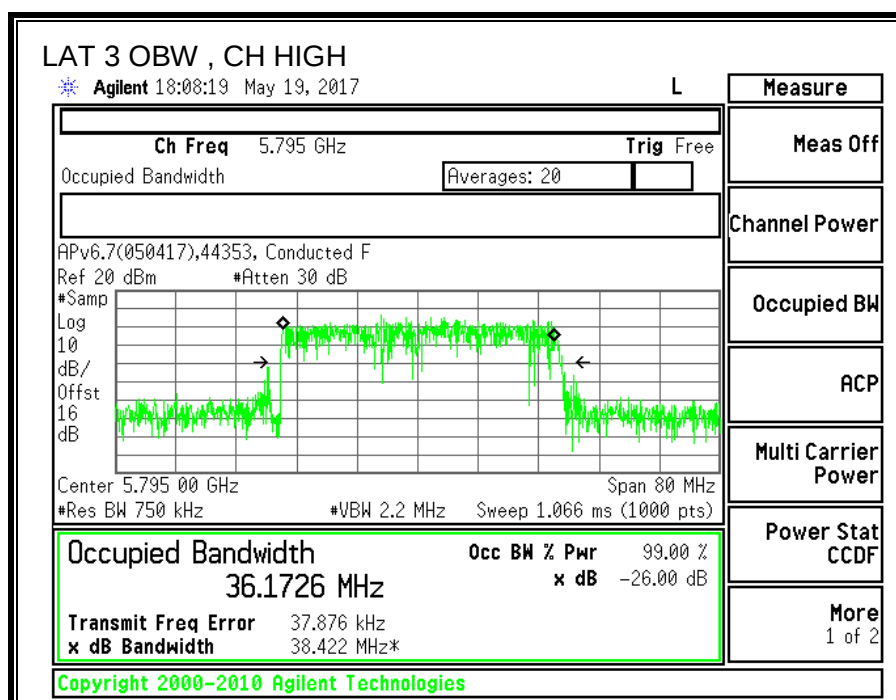
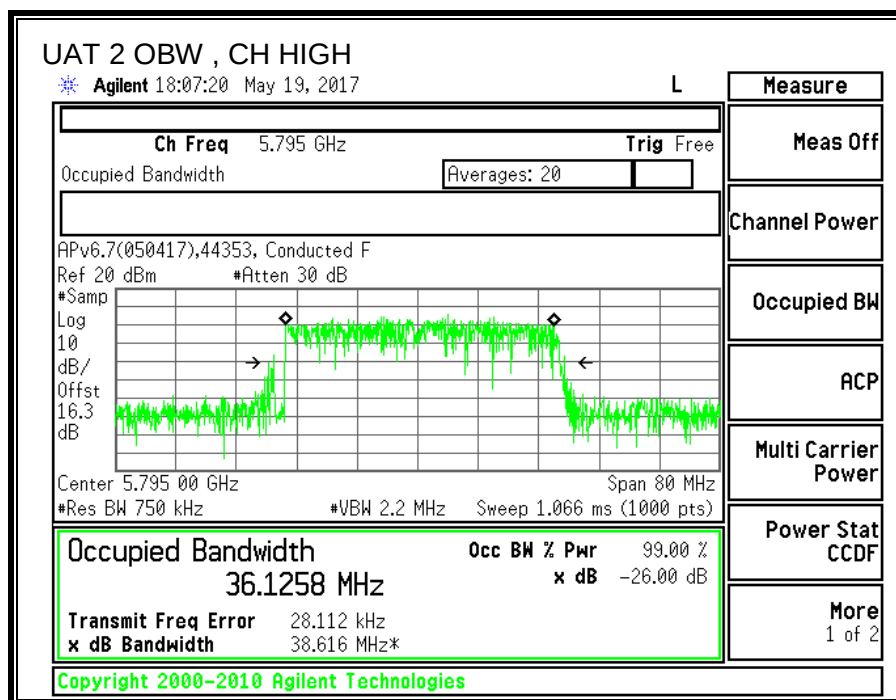
LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency	99% BW UAT 2 (MHz)	99% BW LAT 3 (MHz)
Low	5755	36.1683	36.1863
High	5795	36.1258	36.1726





8.39.4. AVERAGE POWER

ID:	30554	Date:	7/28/2017
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LIMITS

None; for reporting purposes only.

TEST PROCEDURE

Measurements perform using a wideband gated RF power meter.

RESULTS

Average Power Results

Channel	Frequency (MHz)	UAT 2 Power (dBm)	LAT 3 Power (dBm)	Total Power (dBm)
Low	5755	19.37	19.39	22.39
High	5795	19.42	19.45	22.45

8.39.5. OUTPUT POWER

ID:	30554	Date:	7/28/2017
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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)
-3.57	-6.31	-4.73

RESULTS

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)
Low	5755	-4.73	30.00
High	5795	-4.73	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	19.37	19.39	22.39	30.00	-7.61
High	5795	19.42	19.45	22.45	30.00	-7.55

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)
-3.57	-6.31	-1.82

RESULTS

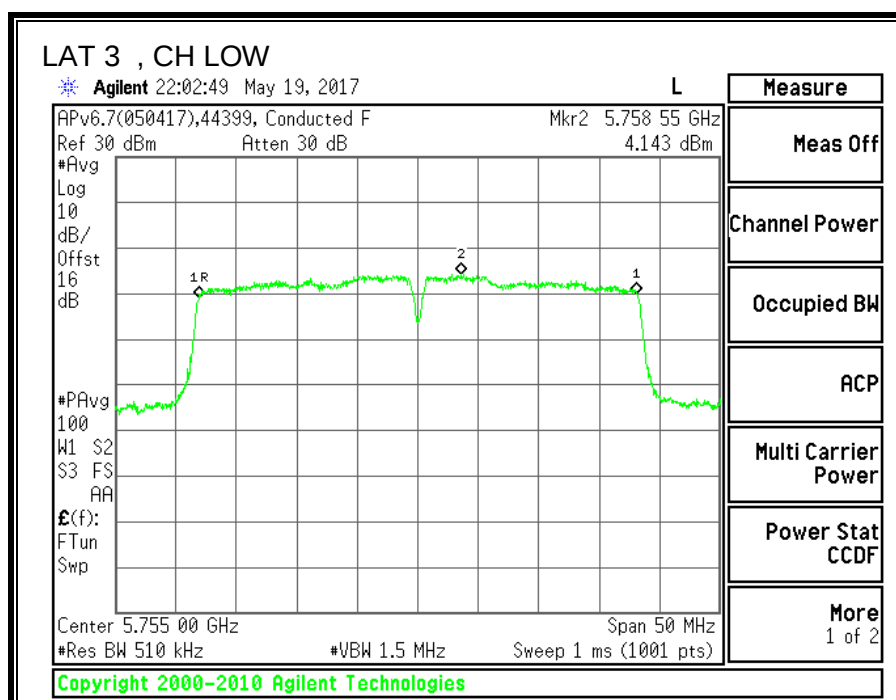
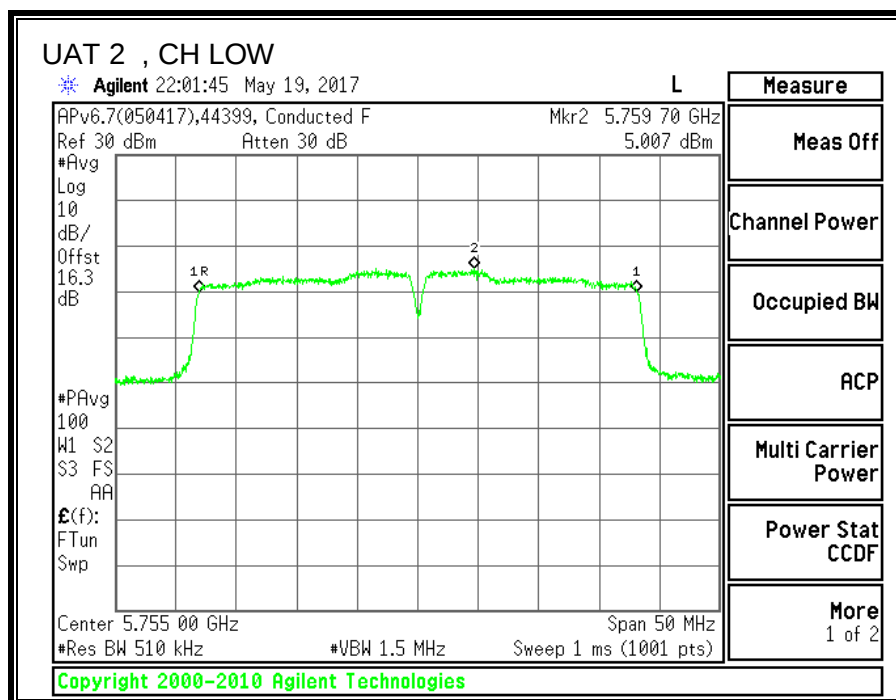
Antenna Gain and Limit

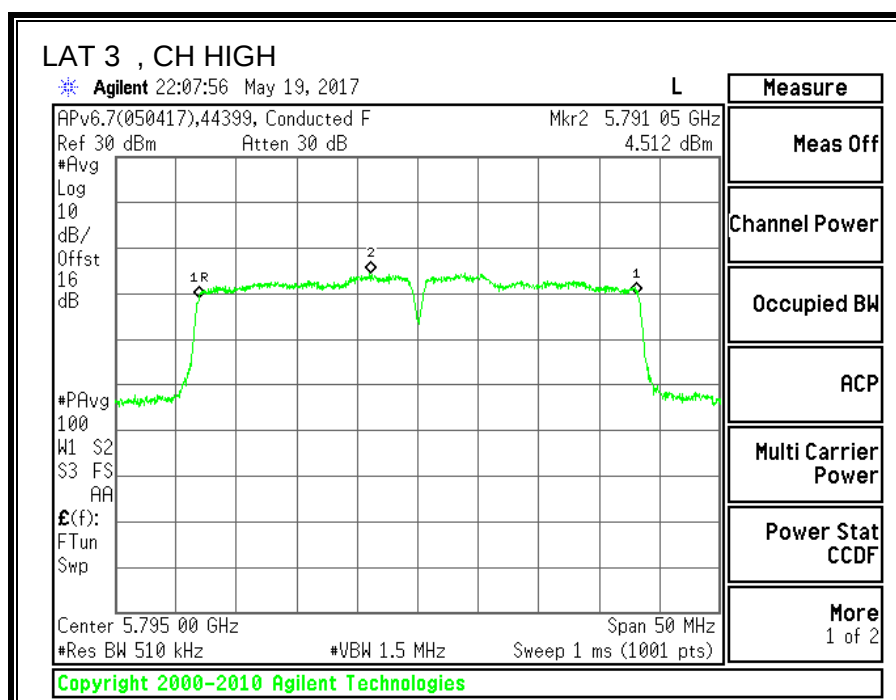
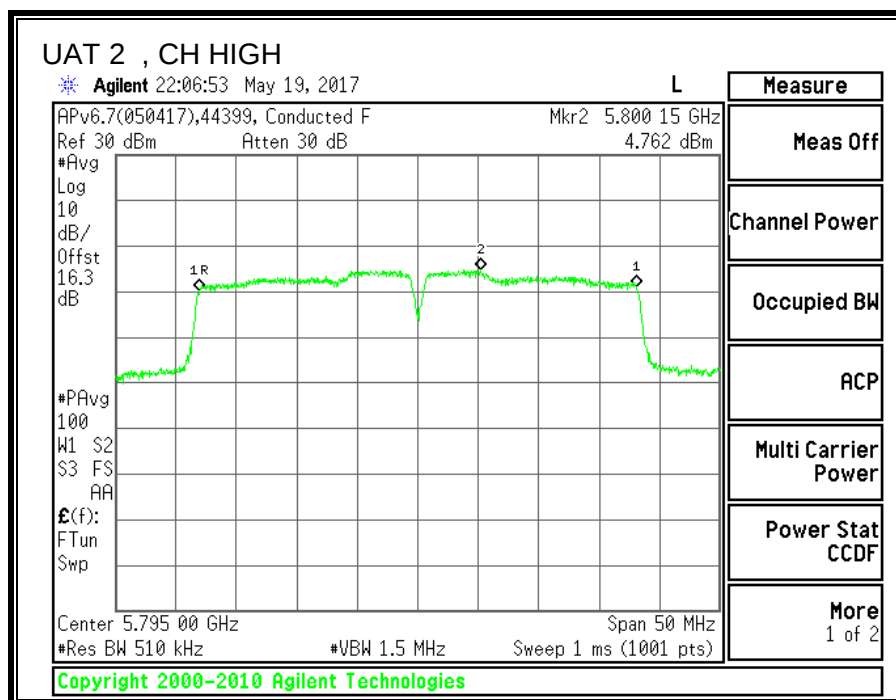
Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm/500K Hz)
Low	5755	-1.82	30.00
High	5795	-1.82	30.00

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

Channel	Frequency (MHz)	UAT 2 Meas PSD (dBm/500K Hz)	LAT 3 Meas PSD (dBm/500K Hz)	Total Corr'd PSD (dBm/500K Hz)	PSD Limit (dBm/500K Hz)	PSD Margin (dB)
Low	5755	5.01	4.14	7.61	30.00	-22.39
High	5795	4.76	4.51	7.65	30.00	-22.35





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

8.40.1. 6 dB BANDWIDTH

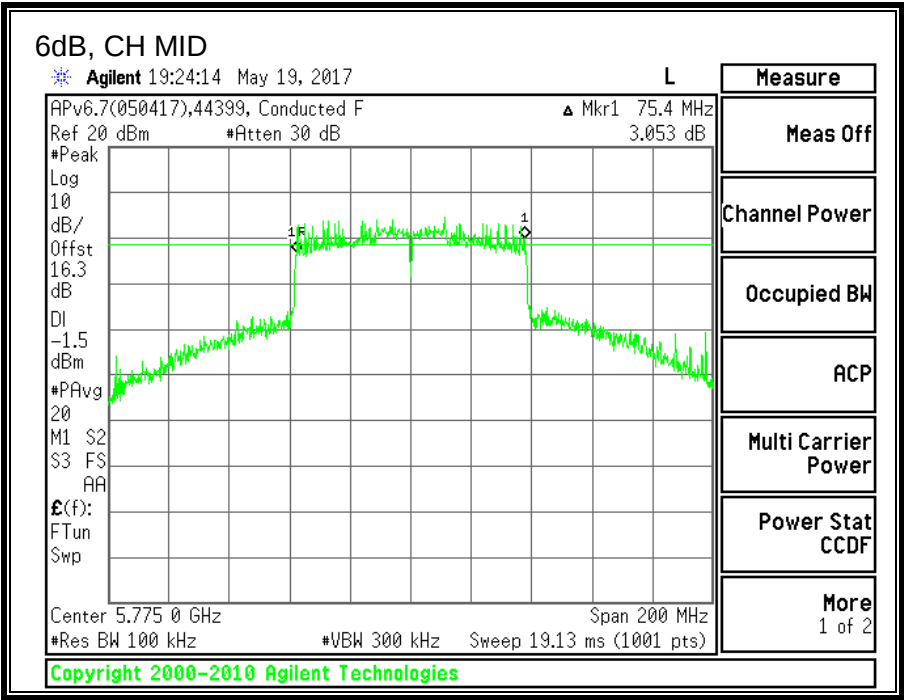
LIMITS

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



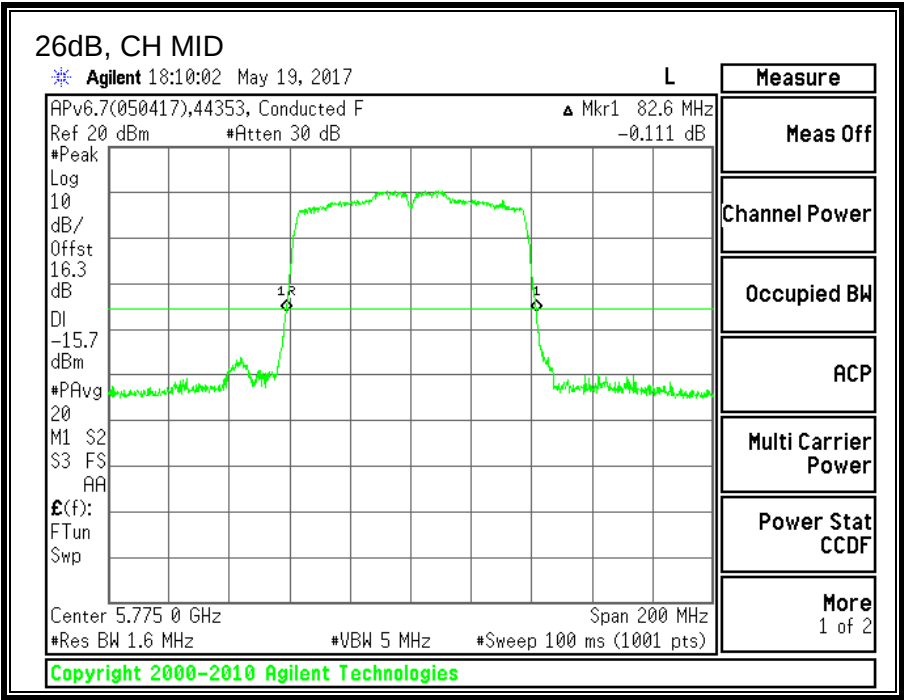
8.40.2. 26 dB BANDWIDTH

LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency	26 dB BW UAT 2 (MHz)
Mid	5775	82.6



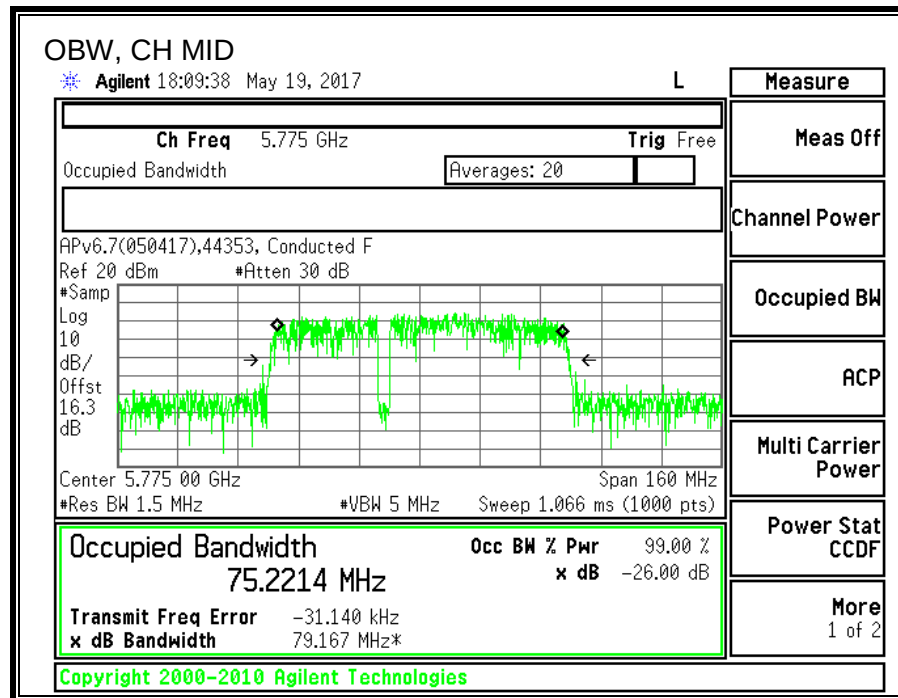
8.40.3. 99% BANDWIDTH

LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency	99% BW UAT 2 (MHz)
Mid	5775	75.2214



8.40.4. AVERAGE POWER

ID:	30554	Date:	7/28/2017
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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	19.43

8.40.5. OUTPUT POWER

ID:	30554	Date:	7/28/2017
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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	-3.57	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	19.43	19.43	30.00	-10.57

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

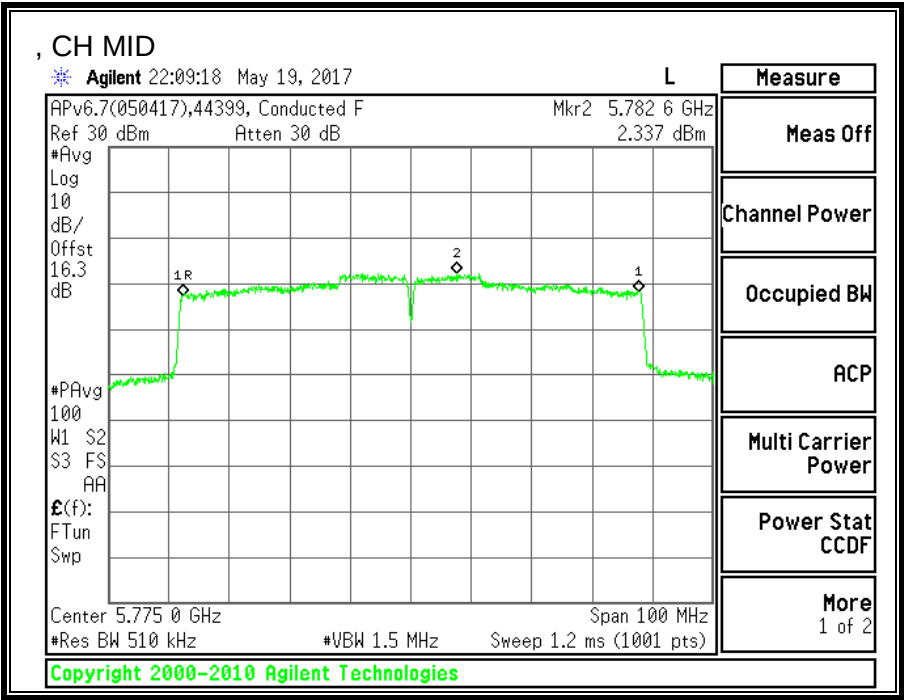
Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm/500K Hz)
Mid	5775	-3.57	30.00

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

Channel	Frequency (MHz)	UAT 2 Meas PSD (dBm/500K Hz)	Total Corr'd PSD (dBm/500K Hz)	PSD Limit (dBm/500K Hz)	PSD Margin (dB)
Mid	5775	2.34	2.53	30.00	-27.47



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

8.41.1. 6 dB BANDWIDTH

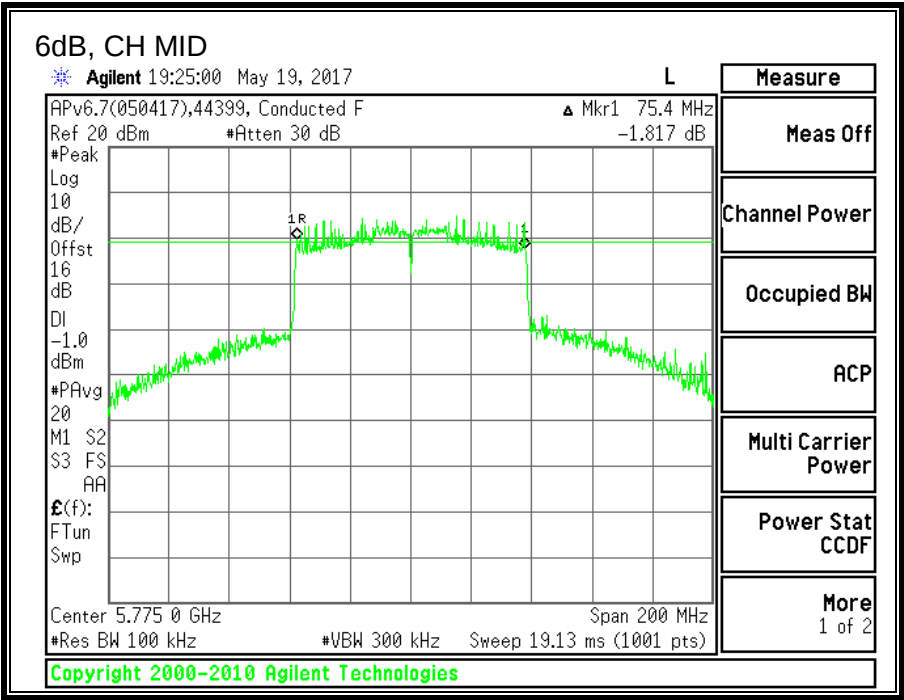
LIMITS

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	75.4	0.5



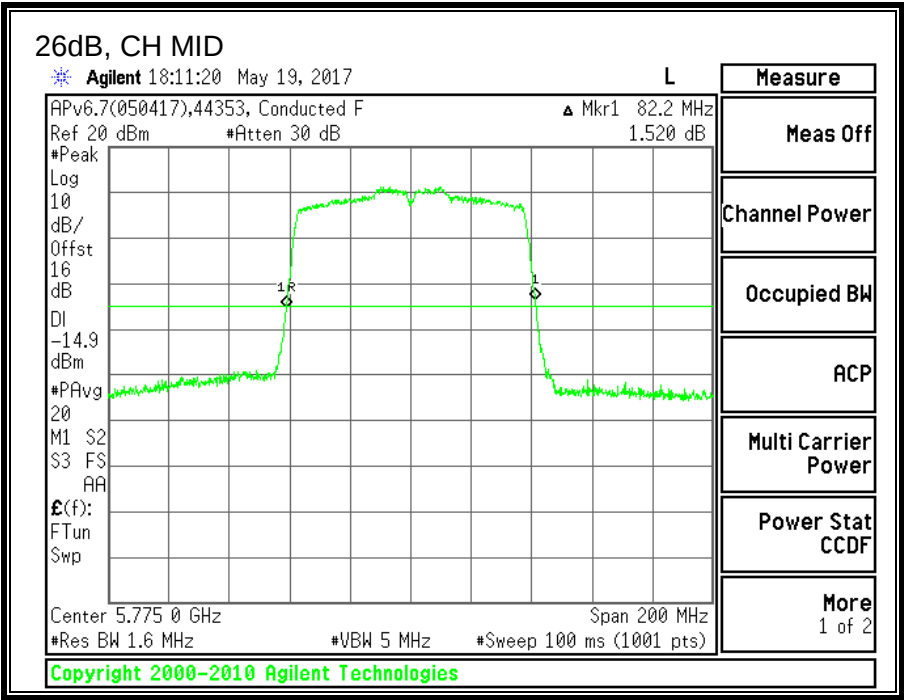
8.41.2. 26 dB BANDWIDTH

LIMITS

None; for reporting purposes only.

RESULTS

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



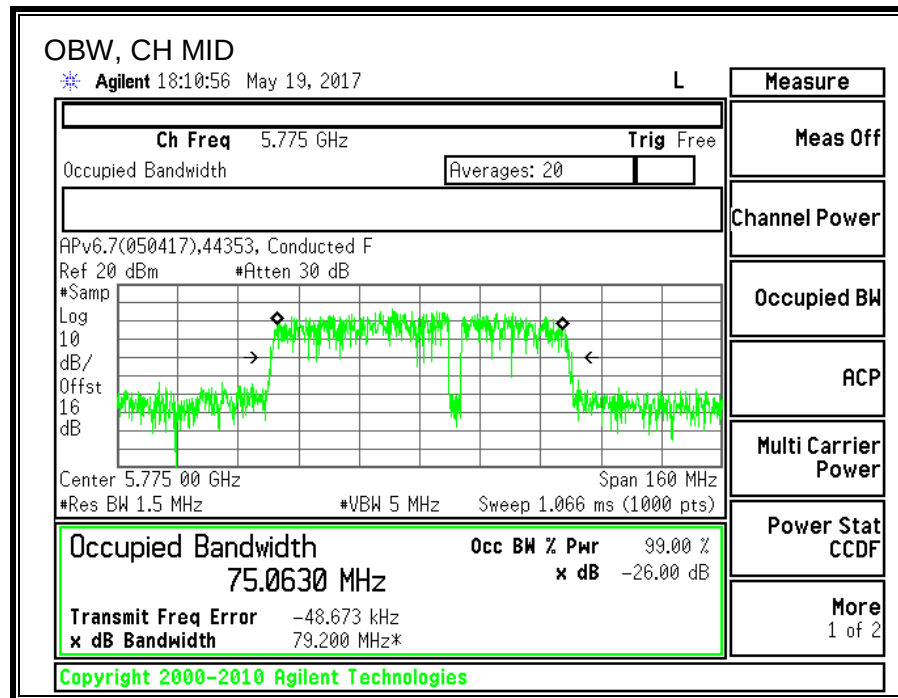
8.41.3. 99% BANDWIDTH

LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency	99% BW LAT 3 (MHz)
Mid	5775	75.0630



8.41.4. AVERAGE POWER

ID:	30554	Date:	7/28/2017
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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	19.44

8.41.5. OUTPUT POWER

ID:	30554	Date:	7/28/2017
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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	-6.31	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	19.44	19.44	30.00	-10.56

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

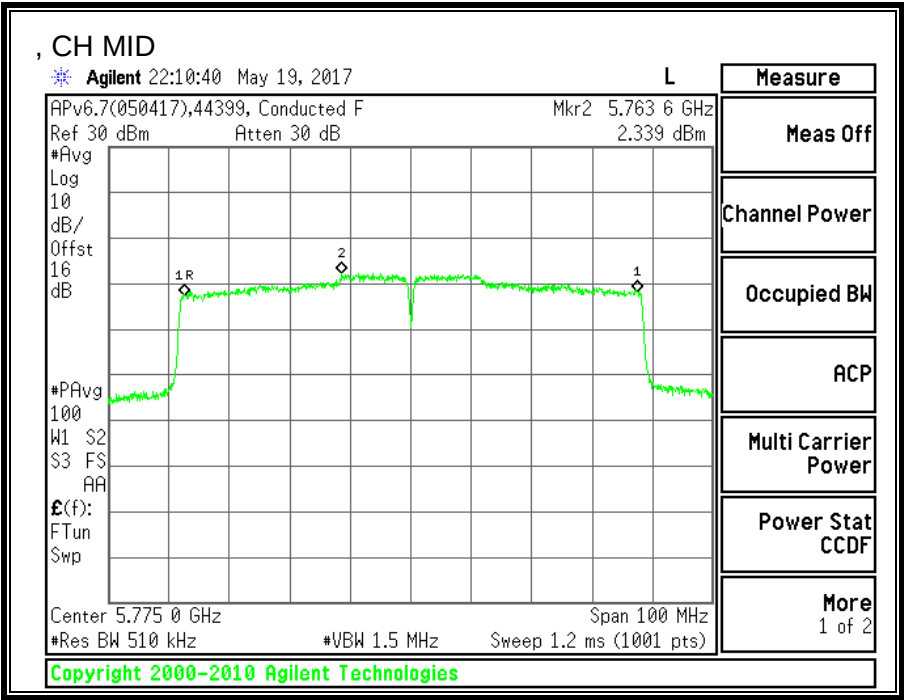
Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm/500K Hz)
Mid	5775	-6.31	30.00

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

Channel	Frequency (MHz)	LAT 3 Meas PSD (dBm/500K Hz)	Total Corr'd PSD (dBm/500K Hz)	PSD Limit (dBm/500K Hz)	PSD Margin (dB)
Mid	5775	2.34	2.53	30.00	-27.47



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

8.42.1. 6 dB BANDWIDTH

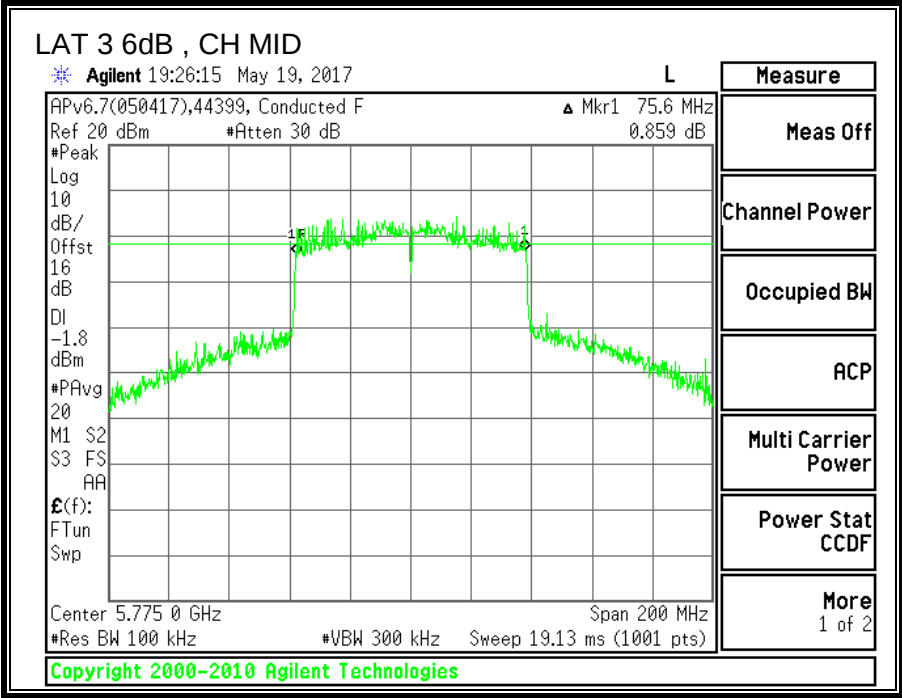
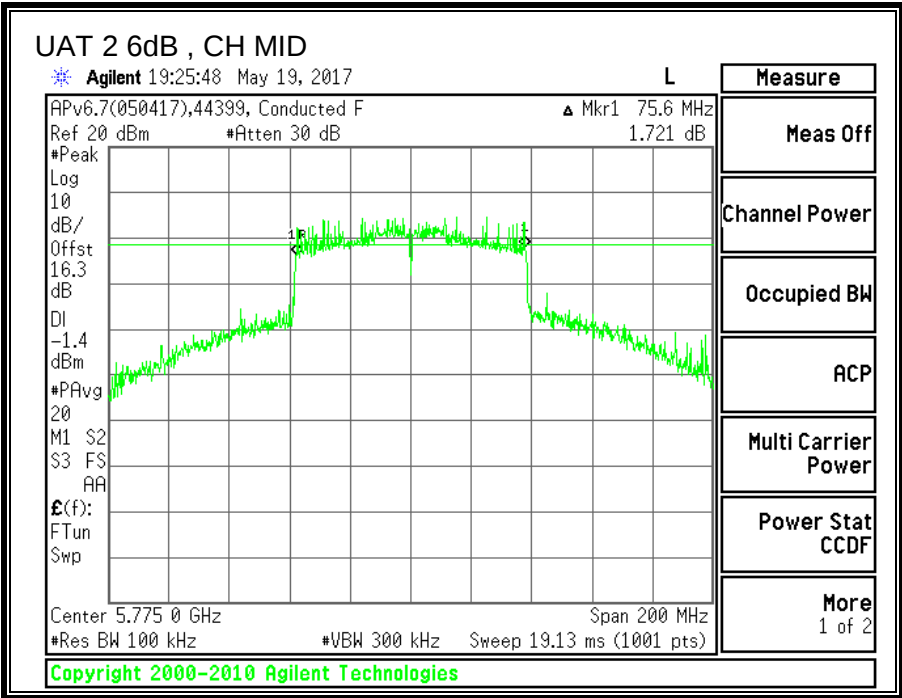
LIMITS

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	75.6	0.5



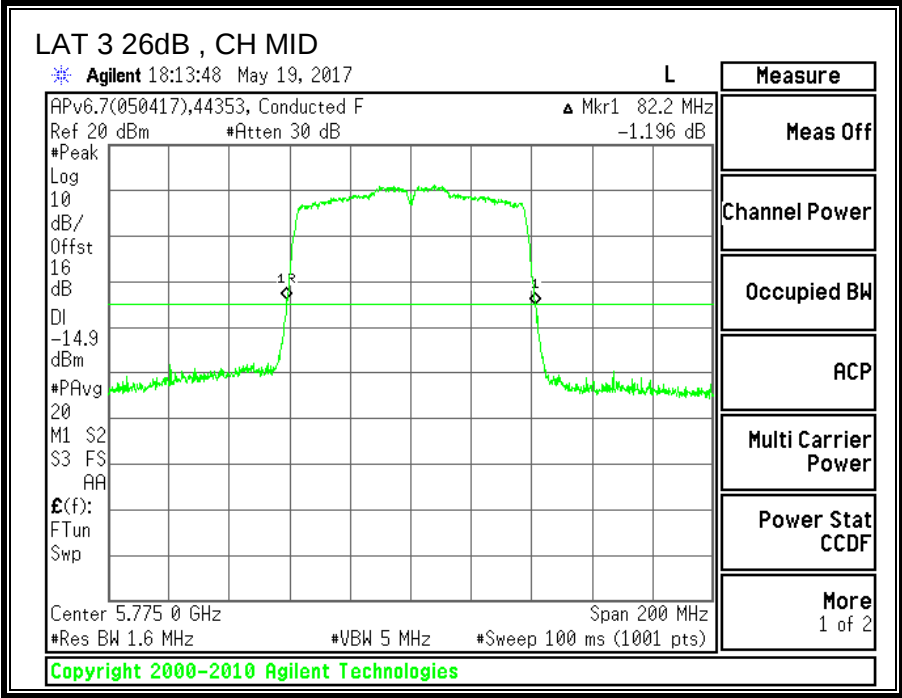
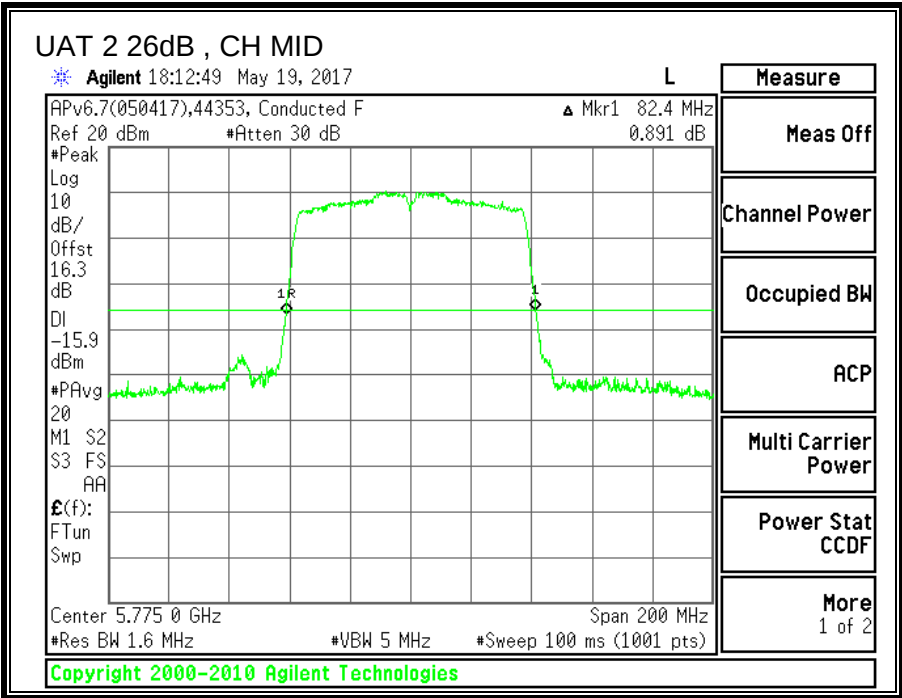
8.42.2. 26 dB BANDWIDTH

LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency	26 dB BW UAT 2 (MHz)	26 dB BW LAT 3 (MHz)
Mid	5775	82.4	82.2



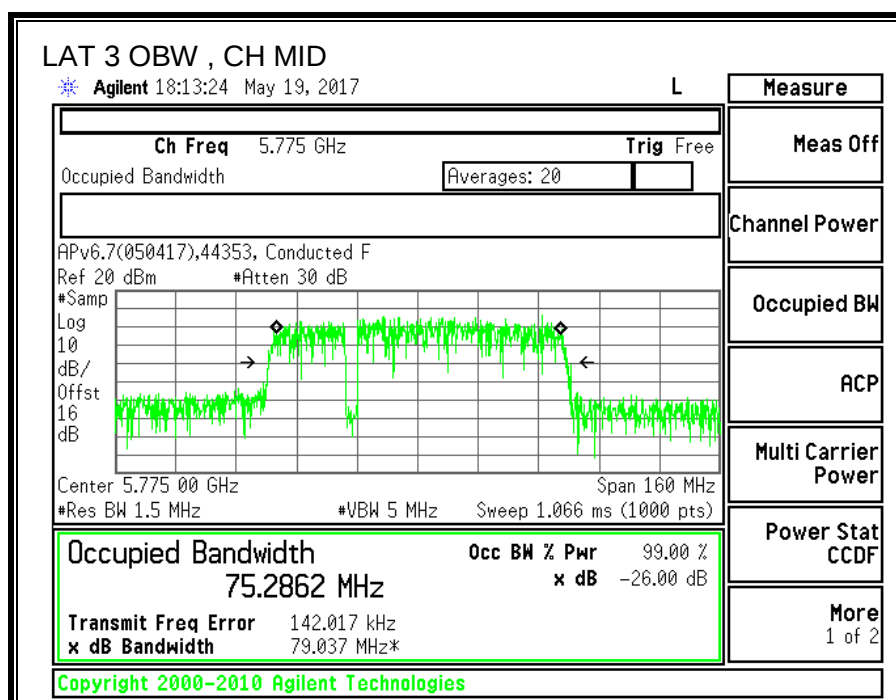
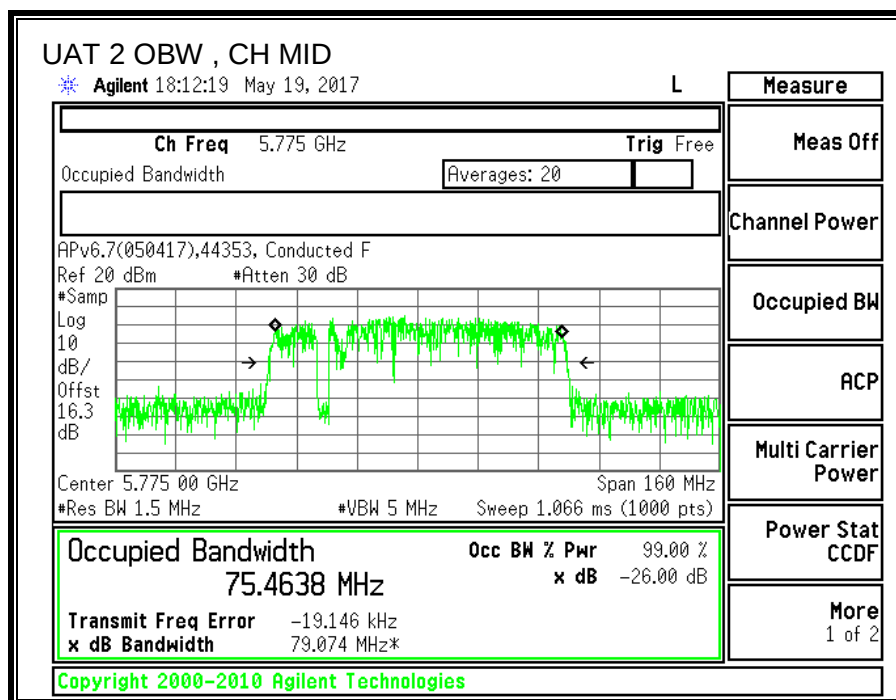
8.42.3. 99% BANDWIDTH

LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency	99% BW UAT 2 (MHz)	99% BW LAT 3 (MHz)
Mid	5775	75.4638	75.2862



8.42.4. AVERAGE POWER

ID:	30554	Date:	7/28/2017
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LIMITS

None; for reporting purposes only.

TEST PROCEDURE

Measurements perform using a wideband gated RF power meter.

RESULTS

Average Power Results

Channel	Frequency (MHz)	UAT 2 Power (dBm)	LAT 3 Power (dBm)	Total Power (dBm)
Mid	5775	19.43	19.38	22.42

8.42.5. OUTPUT POWER

ID:	30554	Date:	7/28/2017
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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)
-3.57	-6.31	-4.73

RESULTS

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)
Mid	5775	-4.73	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	19.43	19.38	22.42	30.00	-7.58

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)
-3.57	-6.31	-1.82

RESULTS

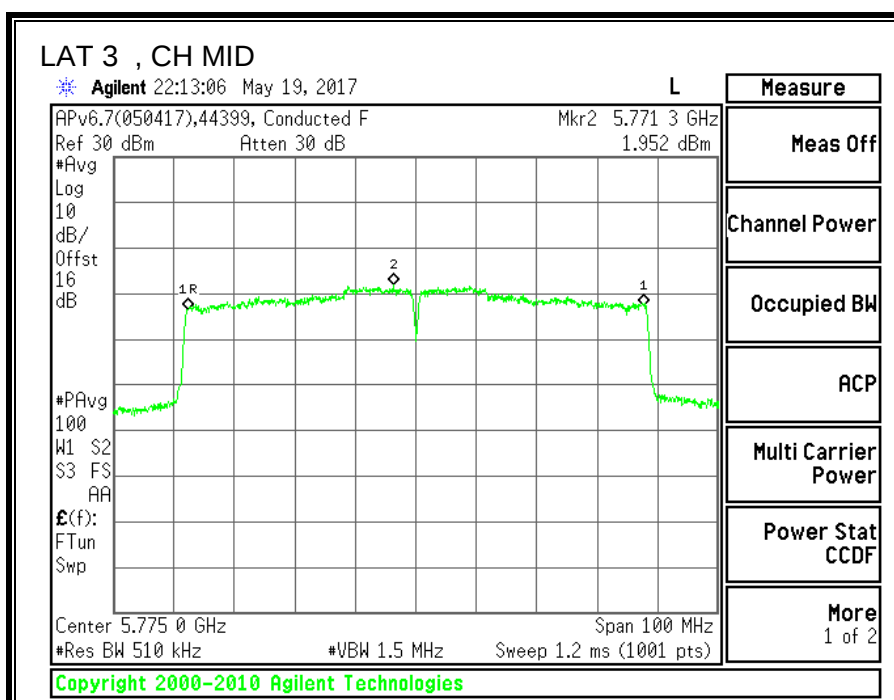
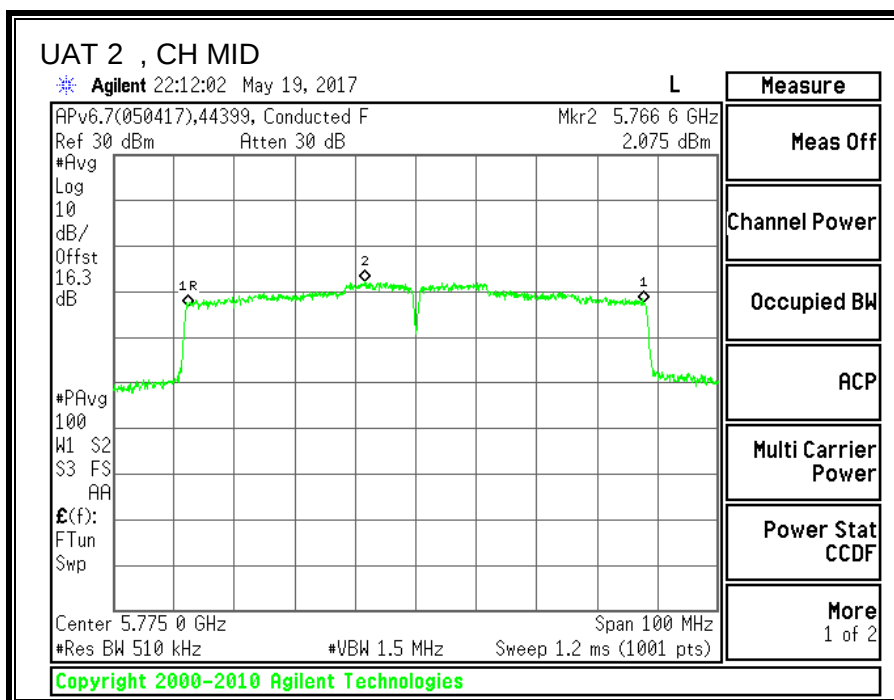
Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm/500K Hz)
Mid	5775	-1.82	30.00

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

Channel	Frequency (MHz)	UAT 2 Meas PSD (dBm/500K Hz)	LAT 3 Meas PSD (dBm/500K Hz)	Total Corr'd PSD (dBm/500K Hz)	PSD Limit (dBm)	PSD Margin (dB)
Mid	5775	2.08	1.95	5.21	30.00	-24.79



9. RADIATED TEST RESULTS

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.

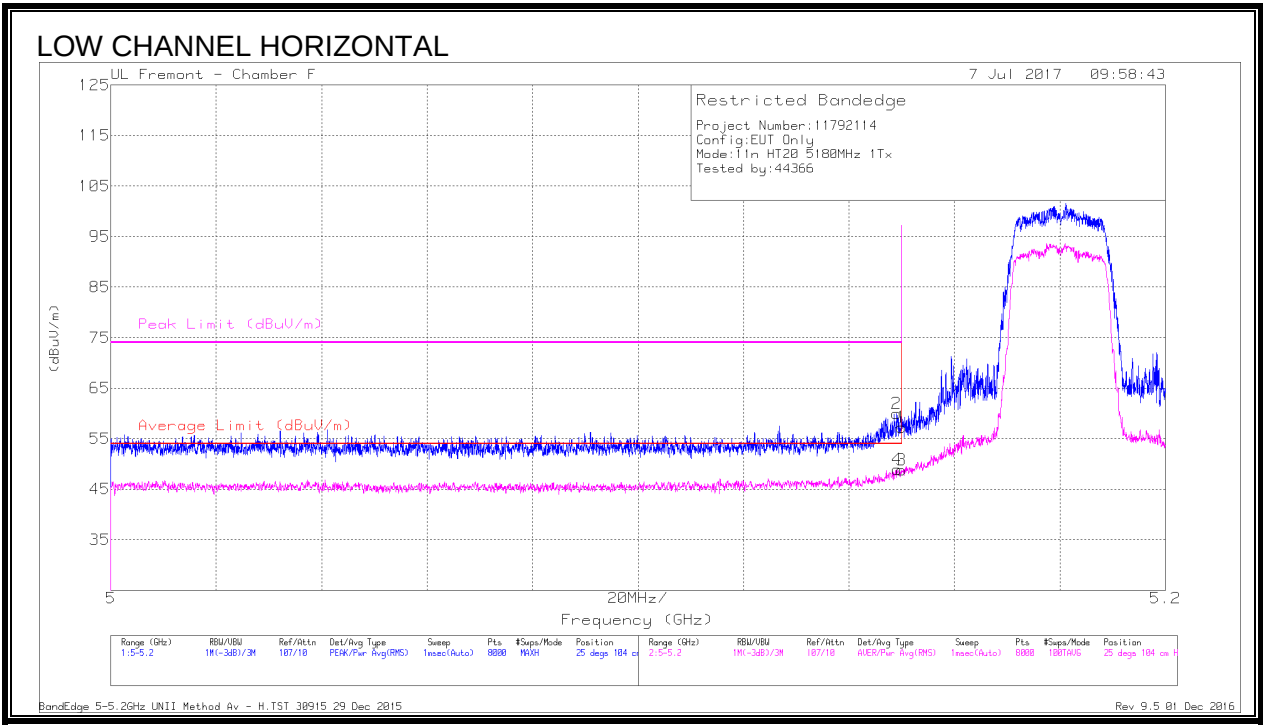
For final measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and as applicable for average measurements.

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)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	41.48	Pk	34.5	-18.7	57.28	-	-	74	-16.72	25	104	H
2	* 5.149	44.19	Pk	34.5	-18.7	59.99	-	-	74	-14.01	25	104	H
3	* 5.15	33.02	RMS	34.5	-18.7	48.82	54	-5.18	-	-	25	104	H
4	* 5.149	33.07	RMS	34.5	-18.7	48.87	54	-5.13	-	-	25	104	H

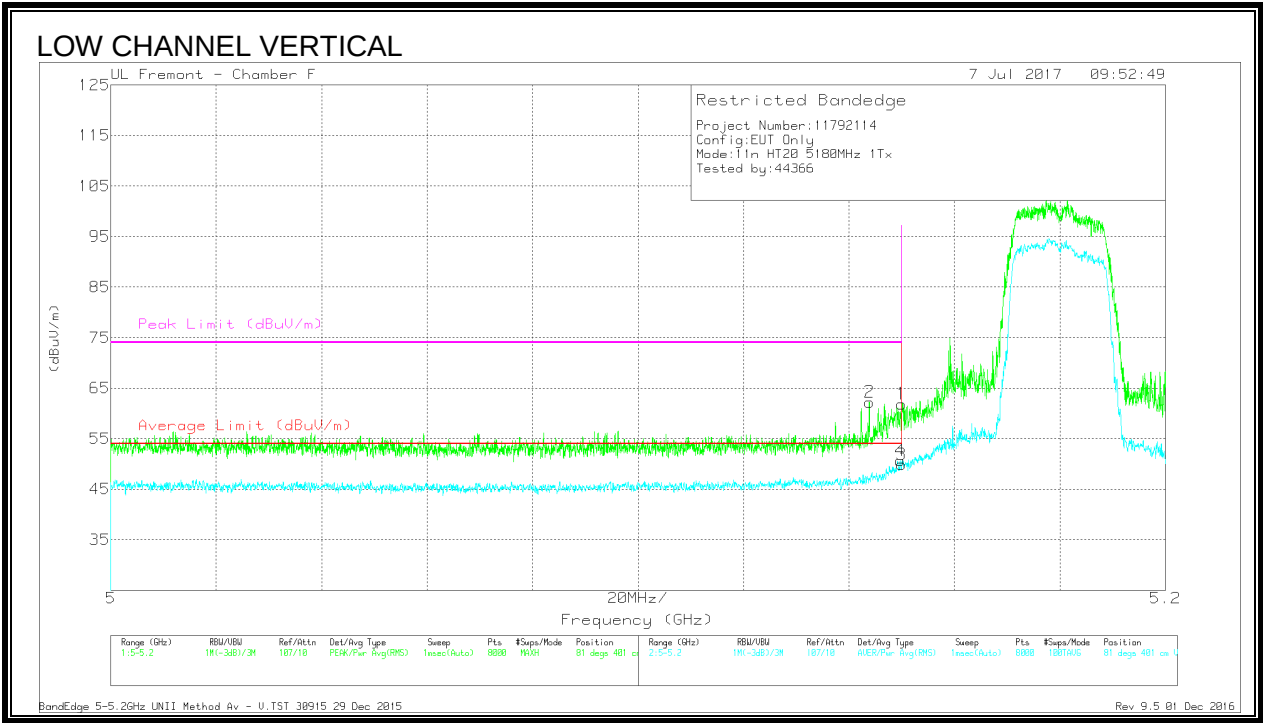
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

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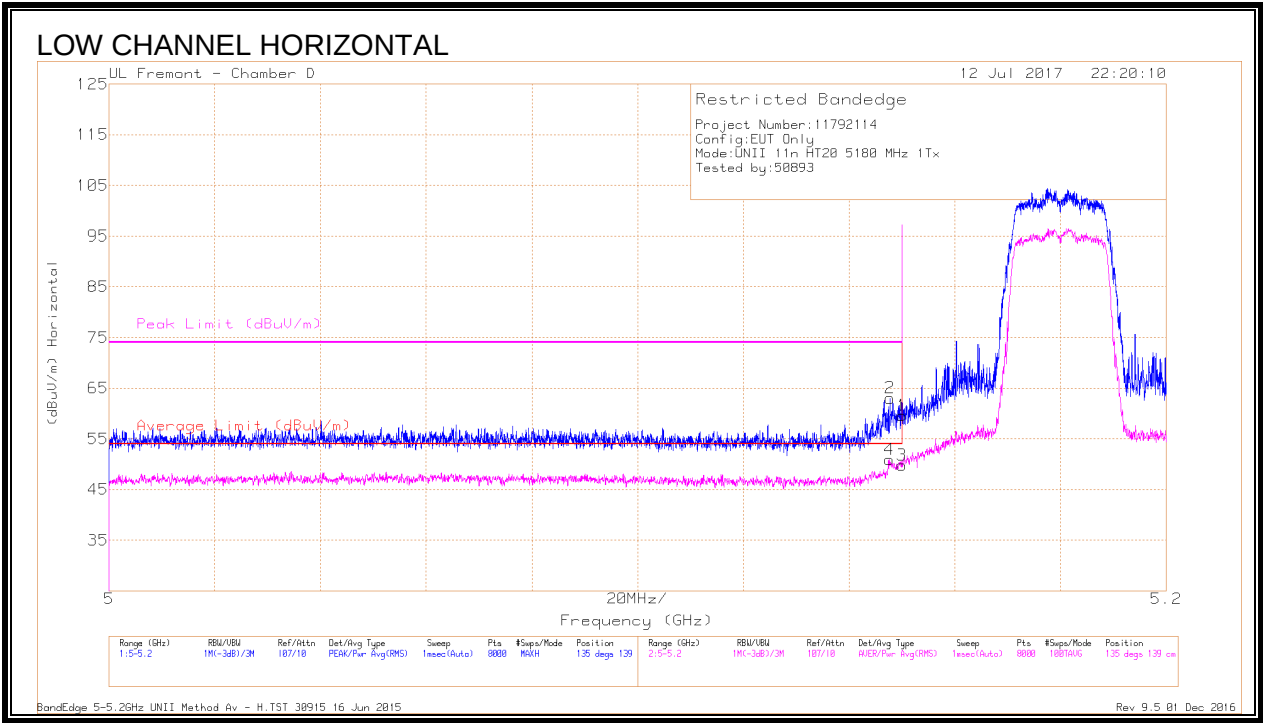


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	46.1	Pk	34.5	-18.7	61.9	-	-	74	-12.1	81	401	V
2	* 5.144	46.47	Pk	34.4	-18.6	62.27	-	-	74	-11.73	81	401	V
3	* 5.15	34.15	RMS	34.5	-18.7	49.95	54	-4.05	-	-	81	401	V
4	* 5.15	34.9	RMS	34.5	-18.7	50.7	54	-3.3	-	-	81	401	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection
BandEdge 5-5.150GHz UNII - V.TST 30915 29 Dec 2015
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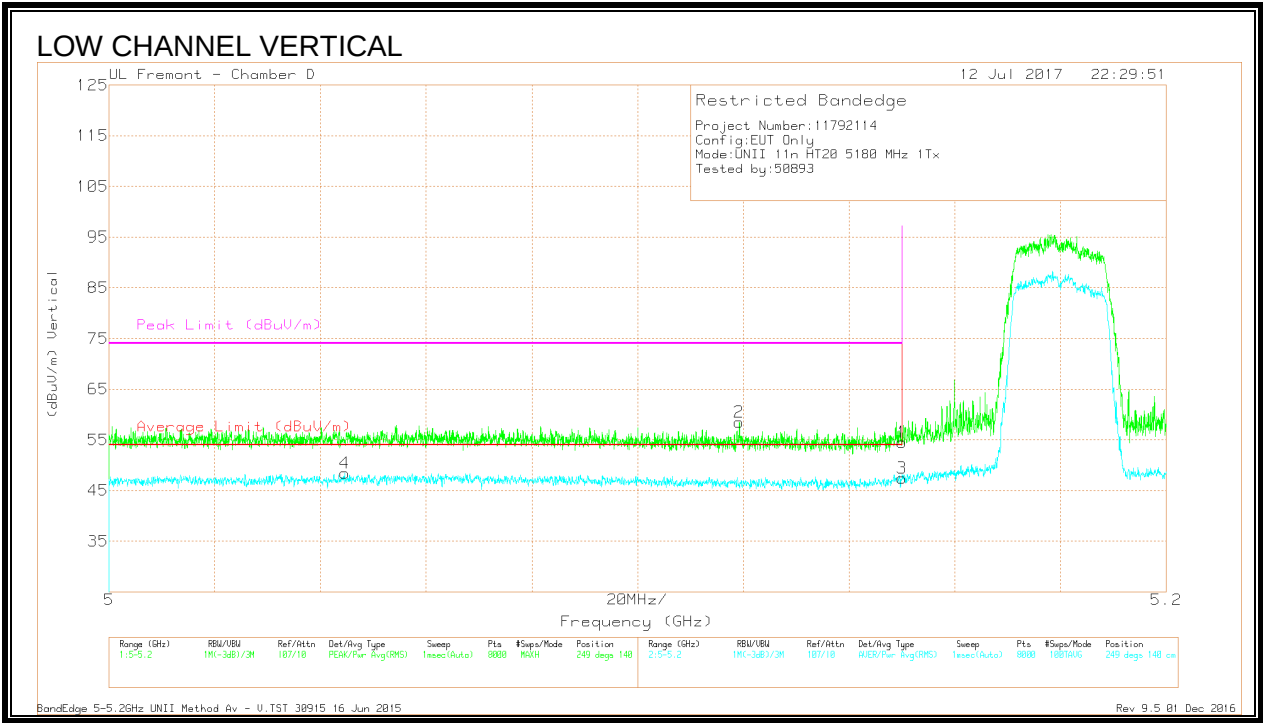
9.1.2. 11n HT20 LAT 3 SISO MODE IN THE 5.2GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cbl/Filtr/Pa d (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	43.91	Pk	34.1	-18.4	59.61	-	-	74	-14.39	135	139	H
2	* 5.148	47.32	Pk	34.1	-18.4	63.02	-	-	74	-10.98	135	139	H
3	* 5.15	34.11	RMS	34.1	-18.4	49.81	54	-4.19	-	-	135	139	H
4	* 5.148	35.24	RMS	34.1	-18.4	50.94	54	-3.06	-	-	135	139	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 T711 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	38.78	Pk	34.1	-18.4	54.48	-	-	74	-19.52	249	140	V
2	* 5.119	42.79	Pk	34.1	-18.4	58.49	-	-	74	-15.51	249	140	V
3	* 5.15	31.73	RMS	34.1	-18.4	47.43	54	-6.57	-	-	249	140	V
4	* 5.045	32.39	RMS	34.1	-18.1	48.39	54	-5.61	-	-	249	140	V

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

Pk - Peak detector

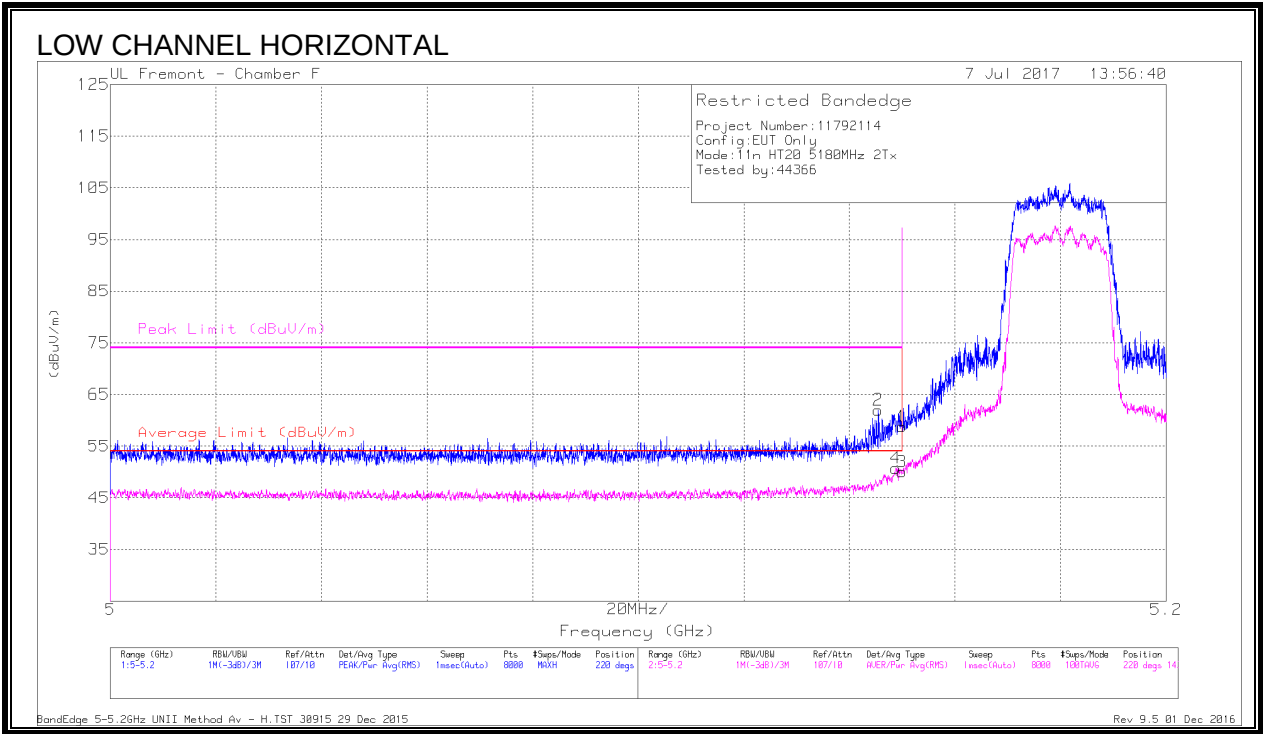
RMS - RMS detection

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

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

RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/Fitr/Psd (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	42.98	Pk	34.5	-18.7	58.78	-	-	74	-15.22	220	143	H
2	* 5.145	46.26	Pk	34.4	-18.7	61.96	-	-	74	-12.04	220	143	H
3	* 5.15	34.22	RMS	34.5	-18.7	50.02	54	-3.98	-	-	220	143	H
4	* 5.149	34.92	RMS	34.5	-18.7	50.72	54	-3.28	-	-	220	143	H

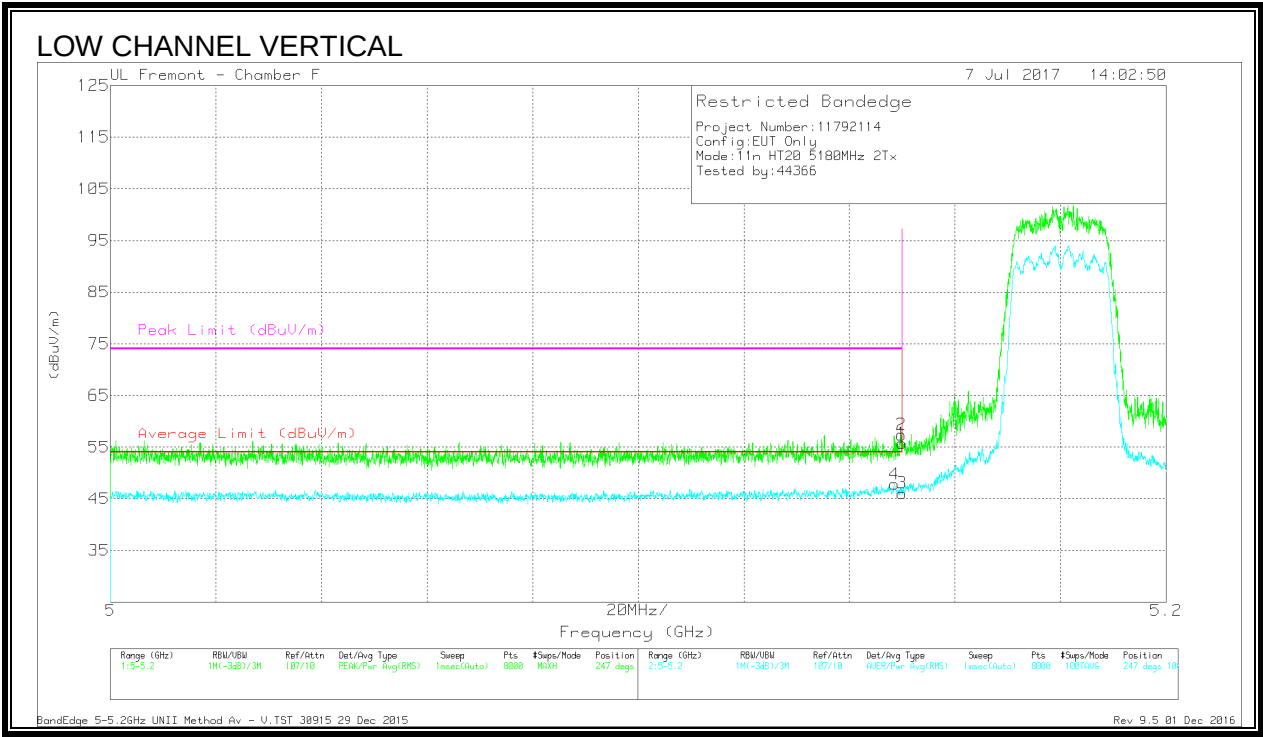
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

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Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	39.95	Pk	34.5	-18.7	55.75	-	-	74	-18.25	247	108	V
2	* 5.15	41.6	Pk	34.5	-18.7	57.4	-	-	74	-16.6	247	108	V
3	* 5.15	30.28	RMS	34.5	-18.7	46.08	54	-7.92	-	-	247	108	V
4	* 5.149	32.04	RMS	34.5	-18.7	47.84	54	-6.16	-	-	247	108	V

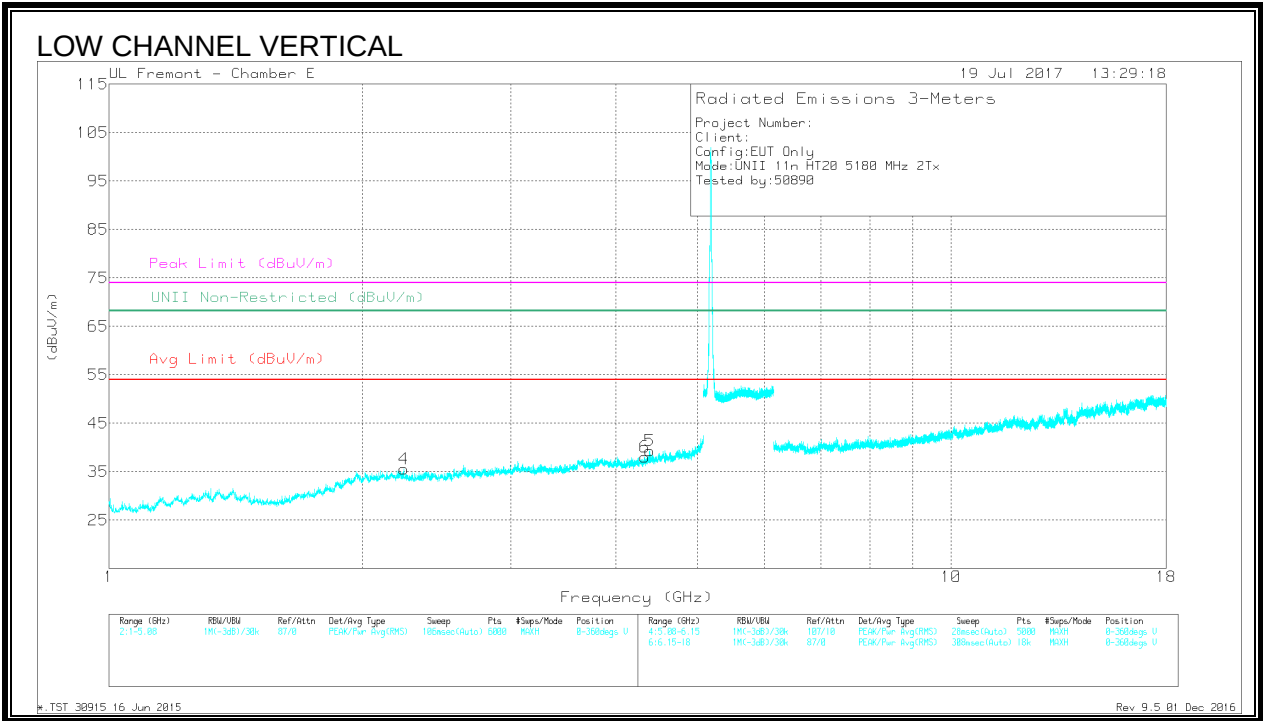
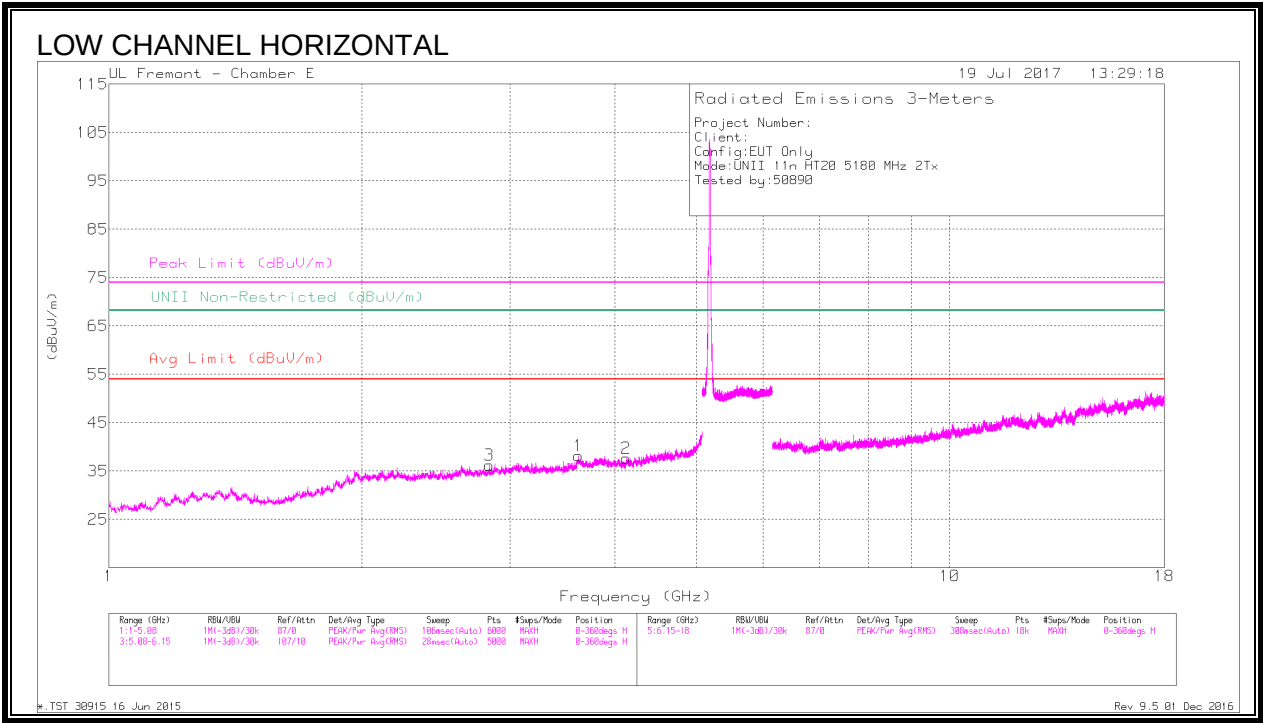
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

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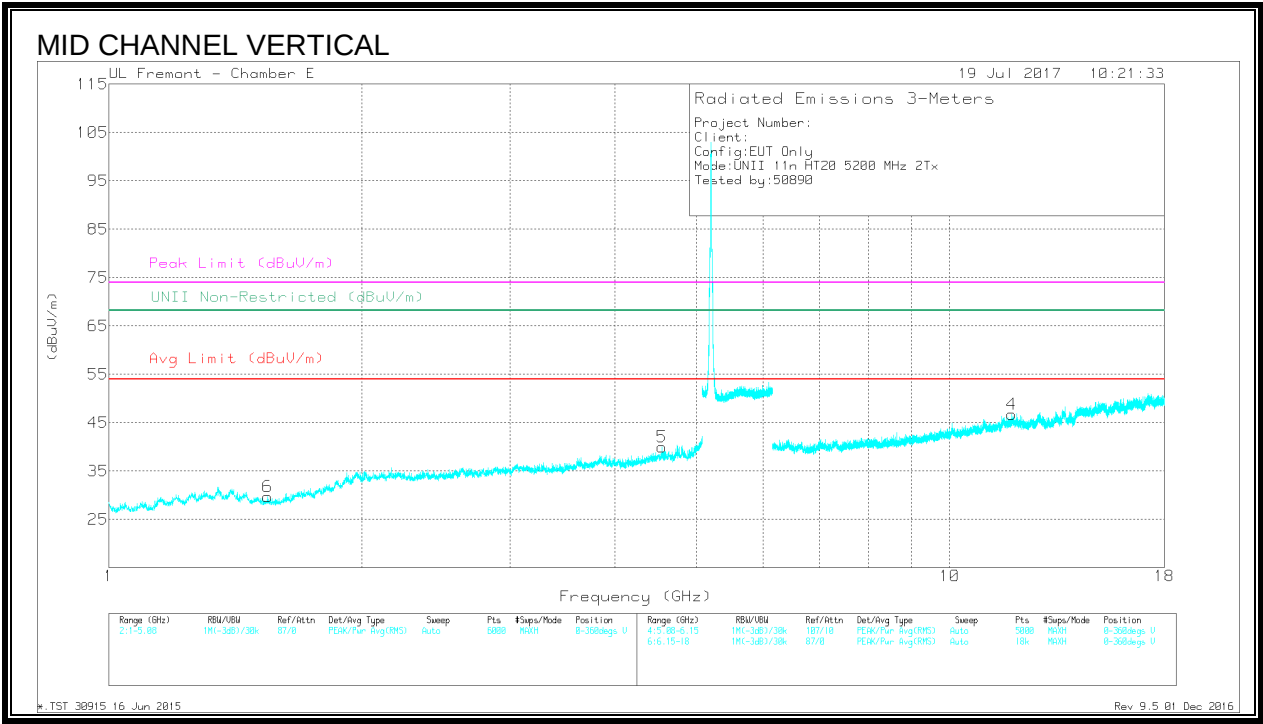
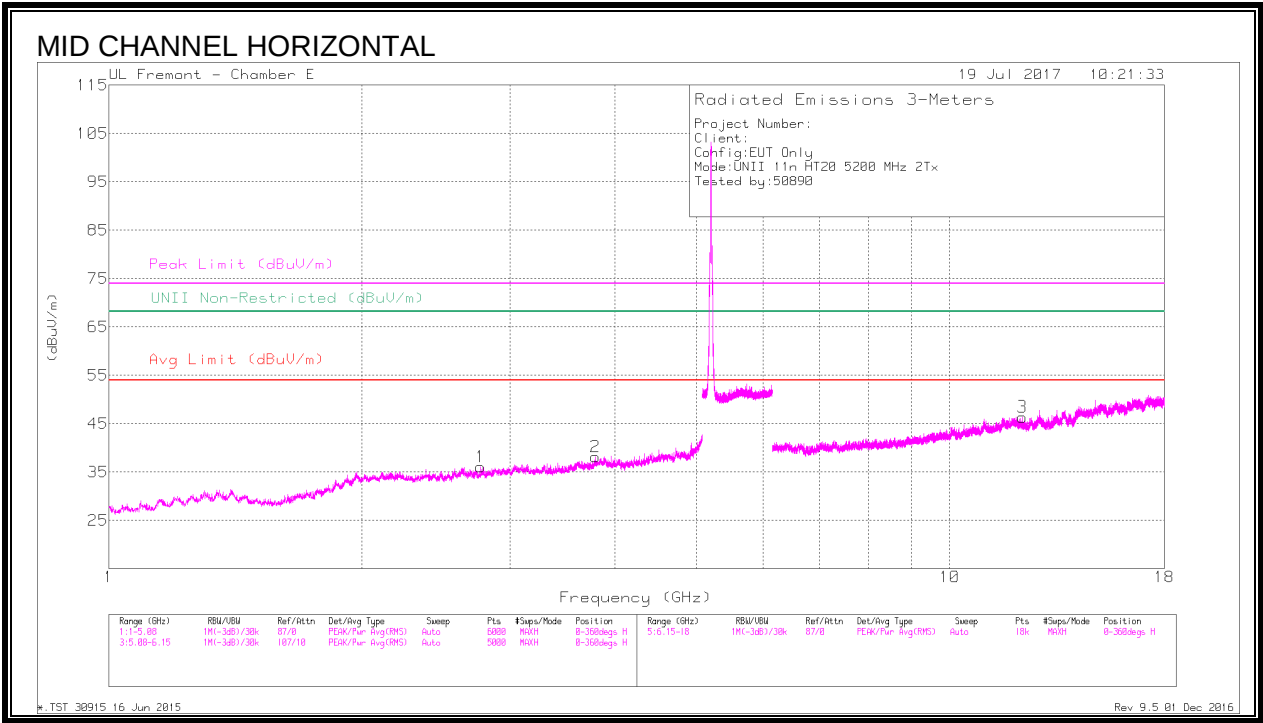


Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cb/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.617	41.02	PK-U	33.4	-30.4	44.02	-	-	74	-29.98	-	-	188	100	H
* 3.619	29.61	ADR	33.4	-30.4	32.61	54	-21.39	-	-	-	-	188	100	H
* 4.126	41.25	PK-U	33.6	-30.1	44.75	-	-	74	-29.25	-	-	213	125	H
* 4.126	30.13	ADR	33.6	-30.1	33.63	54	-20.37	-	-	-	-	213	125	H
* 2.833	41.57	PK-U	32.7	-31.5	42.77	-	-	74	-31.23	-	-	248	152	H
* 2.835	30.07	ADR	32.7	-31.4	31.37	54	-22.63	-	-	-	-	248	152	H
* 2.239	42.26	PK-U	31.9	-32.3	41.86	-	-	74	-32.14	-	-	269	184	V
* 2.239	30.86	ADR	31.9	-32.3	30.46	54	-23.54	-	-	-	-	269	184	V
* 4.389	41.31	PK-U	34.1	-29.1	46.31	-	-	74	-27.69	-	-	322	210	V
* 4.389	29.78	ADR	34.1	-29.1	34.78	54	-19.22	-	-	-	-	322	210	V
* 4.329	41.62	PK-U	34	-30.1	45.52	-	-	74	-28.48	-	-	300	237	V
* 4.327	30.5	ADR	34	-30.1	34.4	54	-19.6	-	-	-	-	300	237	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



Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.792	41.96	PK-U	33.6	-30.1	45.46	-	-	74	-28.54	-	-	259	223	H
* 3.792	29.78	ADR	33.6	-30.1	33.28	54	-20.72	-	-	-	-	259	223	H
* 4.552	40.61	PK-U	34.5	-28.8	46.31	-	-	74	-27.69	-	-	270	235	V
* 4.55	29.1	ADR	34.5	-28.8	34.8	54	-19.2	-	-	-	-	270	235	V
* 1.544	44.27	PK-U	27.4	-34.7	36.97	-	-	74	-37.03	-	-	199	106	V
* 1.546	32.1	ADR	27.4	-34.7	24.8	54	-29.2	-	-	-	-	199	106	V
* 12.2	36.96	PK-U	39	-23.7	52.26	-	-	74	-21.74	-	-	211	186	H
* 12.198	25.33	ADR	39	-23.6	40.73	54	-13.27	-	-	-	-	211	186	H
* 11.842	38.04	PK-U	39.4	-23.5	53.94	-	-	74	-20.06	-	-	358	124	V
* 11.842	25.35	ADR	39.4	-23.5	41.25	54	-12.75	-	-	-	-	358	124	V
3.039	29.15	ADR	33	-30.4	31.75	-	-	-	-	-	-	119	144	H
3.04	42.14	PK-U	33	-30.3	44.84	-	-	-	-	68.2	-23.36	119	144	H

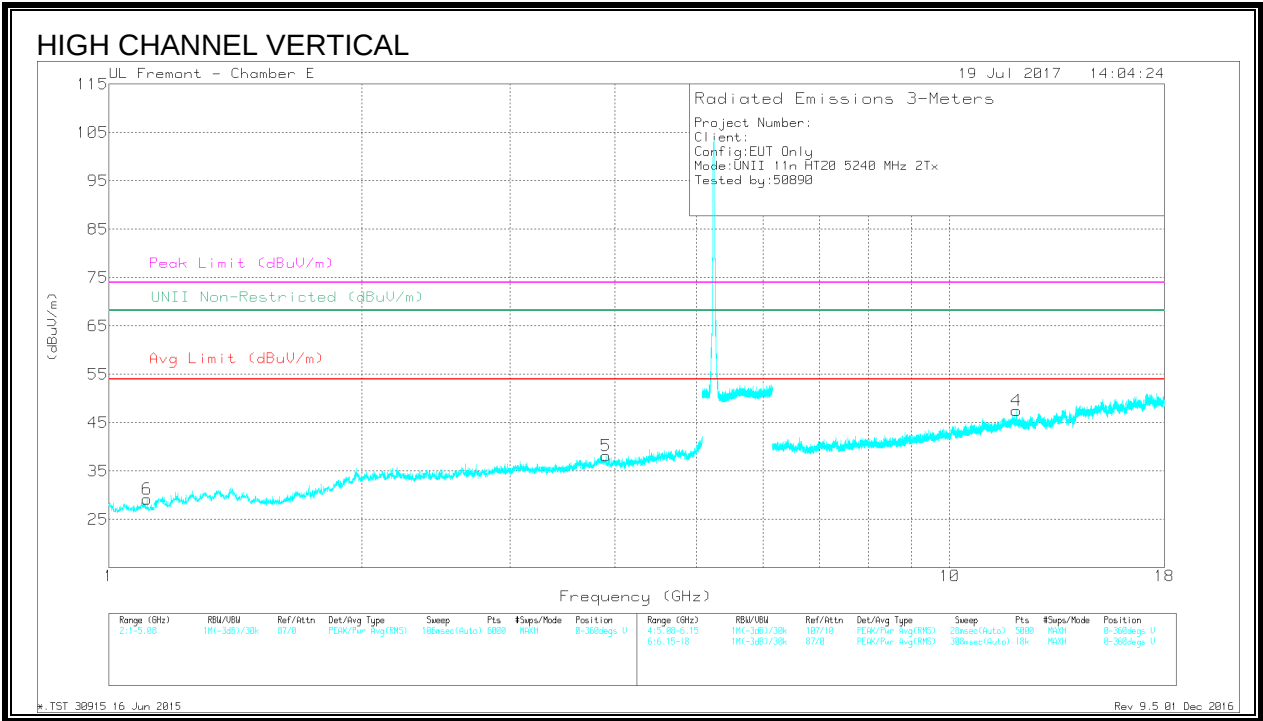
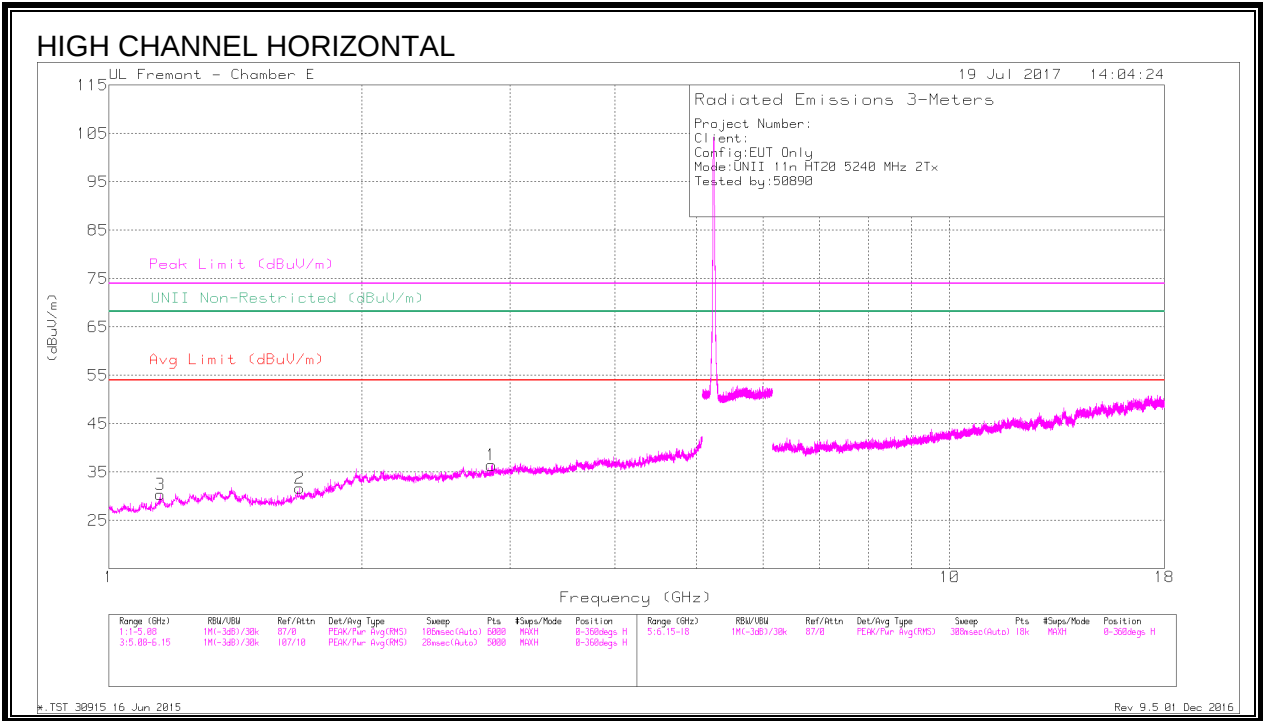
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

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Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.852	41.35	PK-U	32.7	-31.3	42.75	-	-	74	-31.25	-	-	313	126	H
* 2.85	29.78	ADR	32.7	-31.3	31.18	54	-22.82	-	-	-	-	313	126	H
* 1.684	42.96	PK-U	28.1	-33	38.06	-	-	74	-35.94	-	-	279	105	H
* 1.684	31.4	ADR	28.1	-33	26.5	54	-27.5	-	-	-	-	279	105	H
* 1.151	44.93	PK-U	27.2	-35	37.13	-	-	74	-36.87	-	-	232	142	H
* 1.151	33.29	ADR	27.2	-35	25.49	54	-28.51	-	-	-	-	232	142	H
* 3.899	42.01	PK-U	33.7	-30.1	45.61	-	-	74	-28.39	-	-	263	104	V
* 3.899	30.27	ADR	33.7	-30.1	33.87	54	-20.13	-	-	-	-	263	104	V
* 1.112	44.22	PK-U	26.5	-35.3	35.42	-	-	74	-38.58	-	-	258	200	V
* 1.108	32.46	ADR	26.5	-35.3	23.66	54	-30.34	-	-	-	-	258	200	V
* 12.003	37.43	PK-U	39.8	-23.8	53.43	-	-	74	-20.57	-	-	314	233	V
* 12.003	25.66	ADR	39.8	-23.8	41.66	54	-12.34	-	-	-	-	314	233	V

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

PK-U - U-NII: Maximum Peak

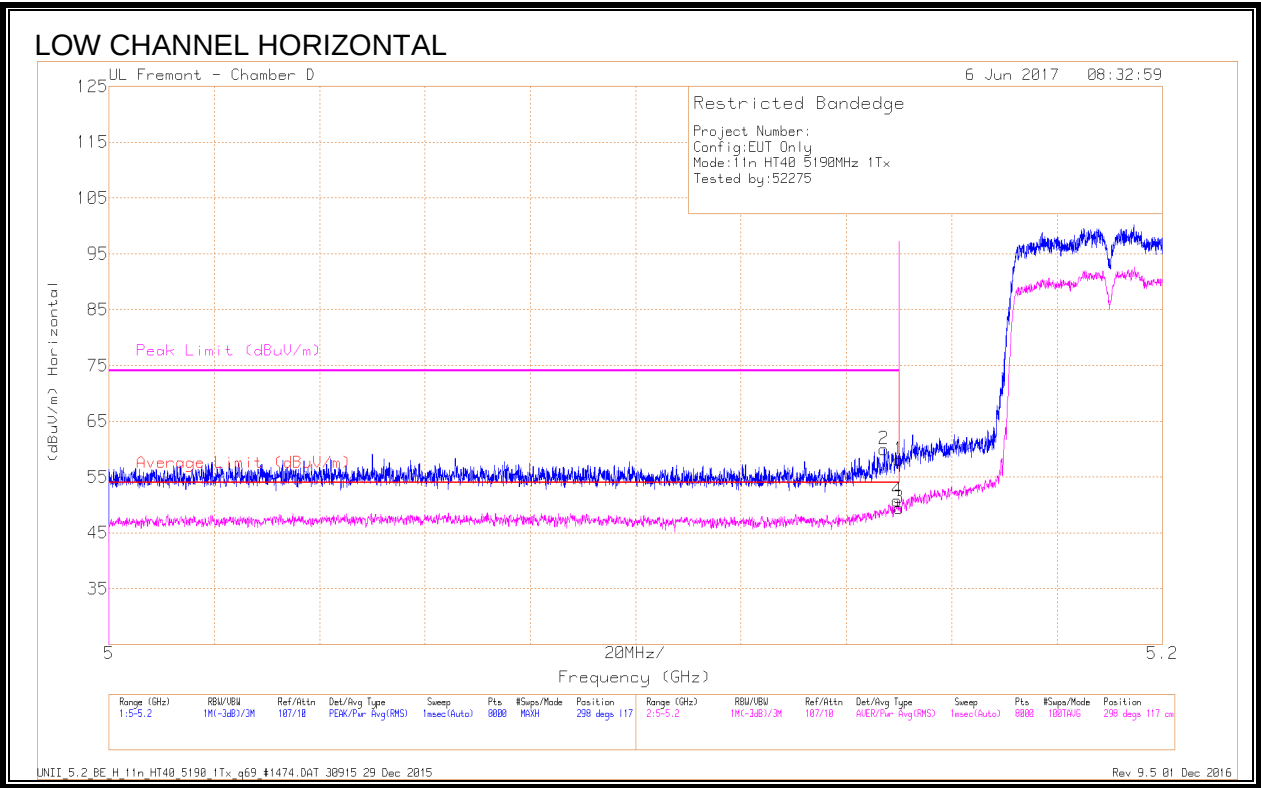
ADR - U-NII AD primary method, RMS average

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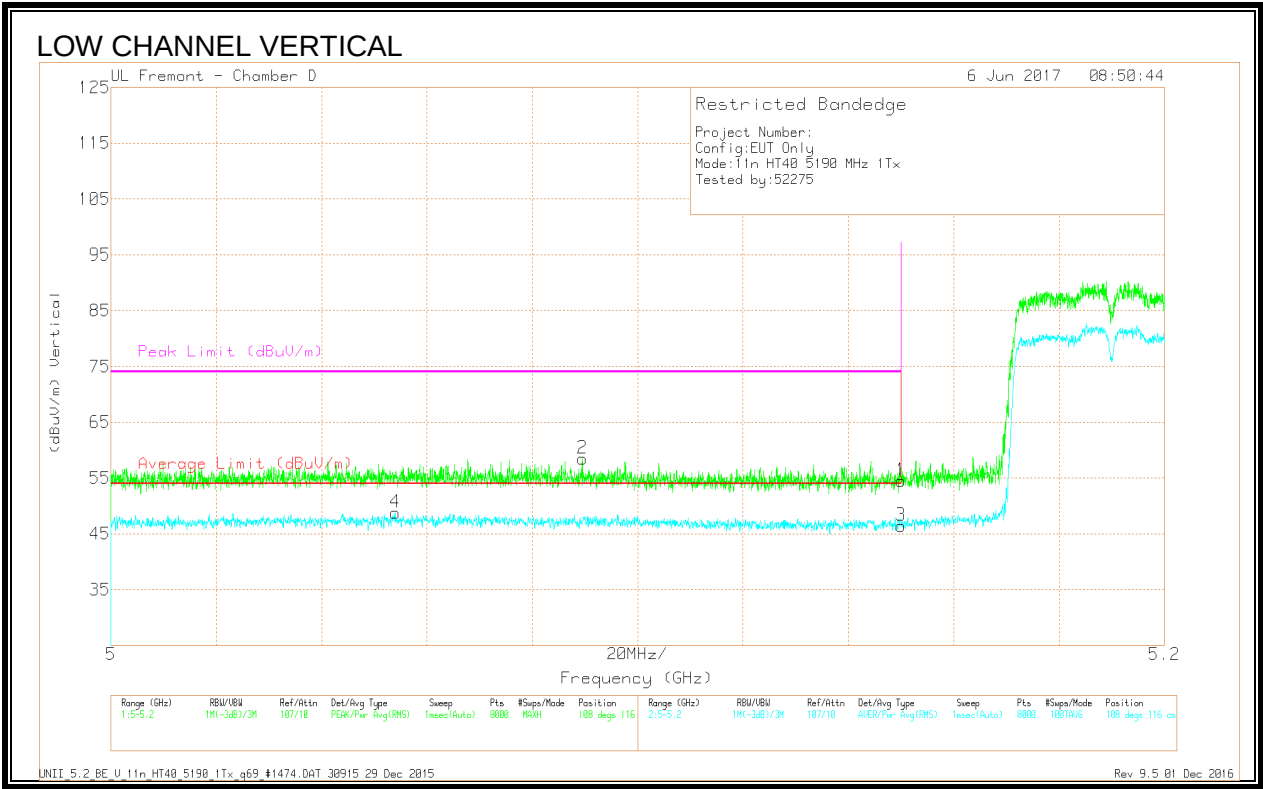
9.1.4. 11n HT40 UAT 2 SISO MODE IN THE 5.2GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Ftr/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	42.06	PK	34.4	-18.4	0	58.06	-	-	74	-15.94	298	117	H
2	* 5.147	44.01	PK	34.4	-18.4	0	60.01	-	-	74	-13.99	298	117	H
3	* 5.15	33.47	RMS	34.4	-18.4	.1	49.57	54	-4.43	-	-	298	117	H
4	* 5.15	34.82	RMS	34.4	-18.4	.1	50.92	54	-3.08	-	-	298	117	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection
UNII_5.2_BE_H_11n_HT40_5190_1Tx_q69_#1474.DAT 30915 29 Dec 2015
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Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (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	38.56	Pk	34.4	-18.4	0	54.56	-	-	74	-19.44	108	116	V
2	* 5.089	42.35	Pk	34.3	-18.2	0	58.45	-	-	74	-15.55	108	116	V
3	* 5.15	30.47	RMS	34.4	-18.4	.1	46.57	54	-7.43	-	-	108	116	V
4	* 5.054	32.46	RMS	34.3	-18	.1	48.86	54	-5.14	-	-	108	116	V

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

Pk - Peak detector

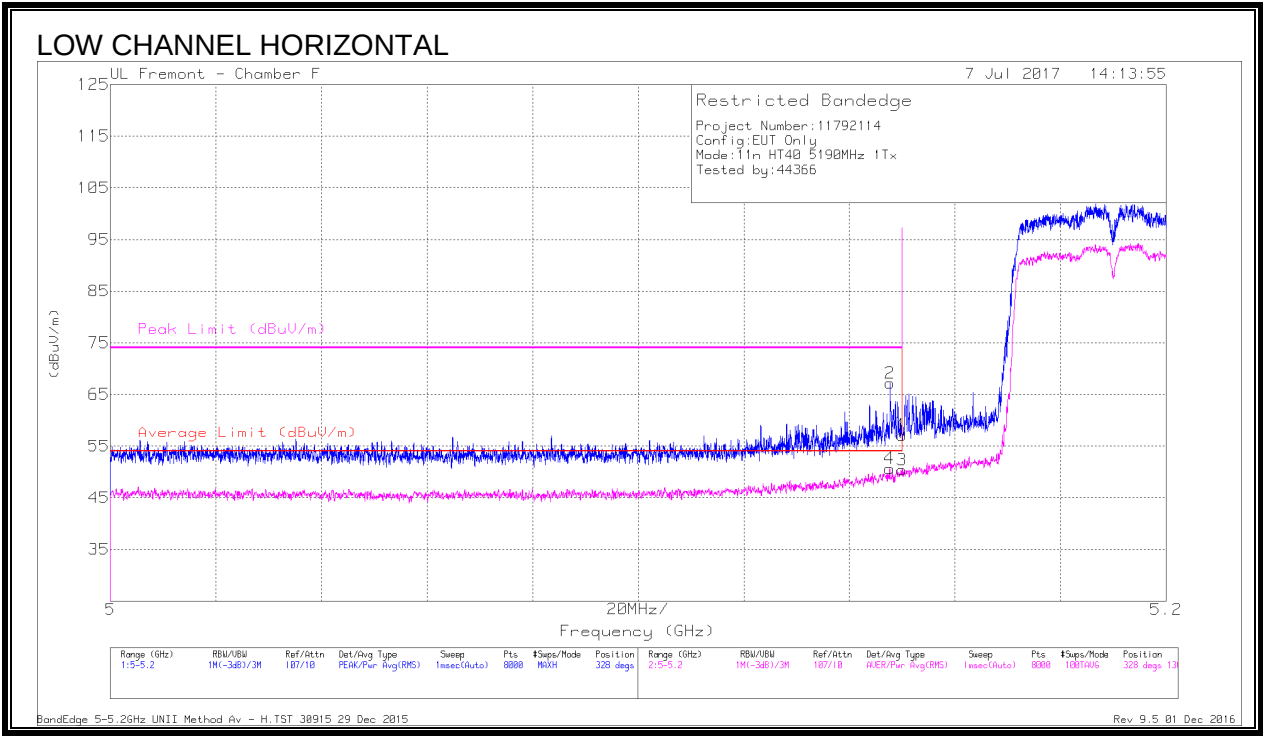
RMS - RMS detection

UNII_5.2_BE_V_11n_HT40_5190_1Tx_q69_#1474.DAT 30915 29 Dec 2015

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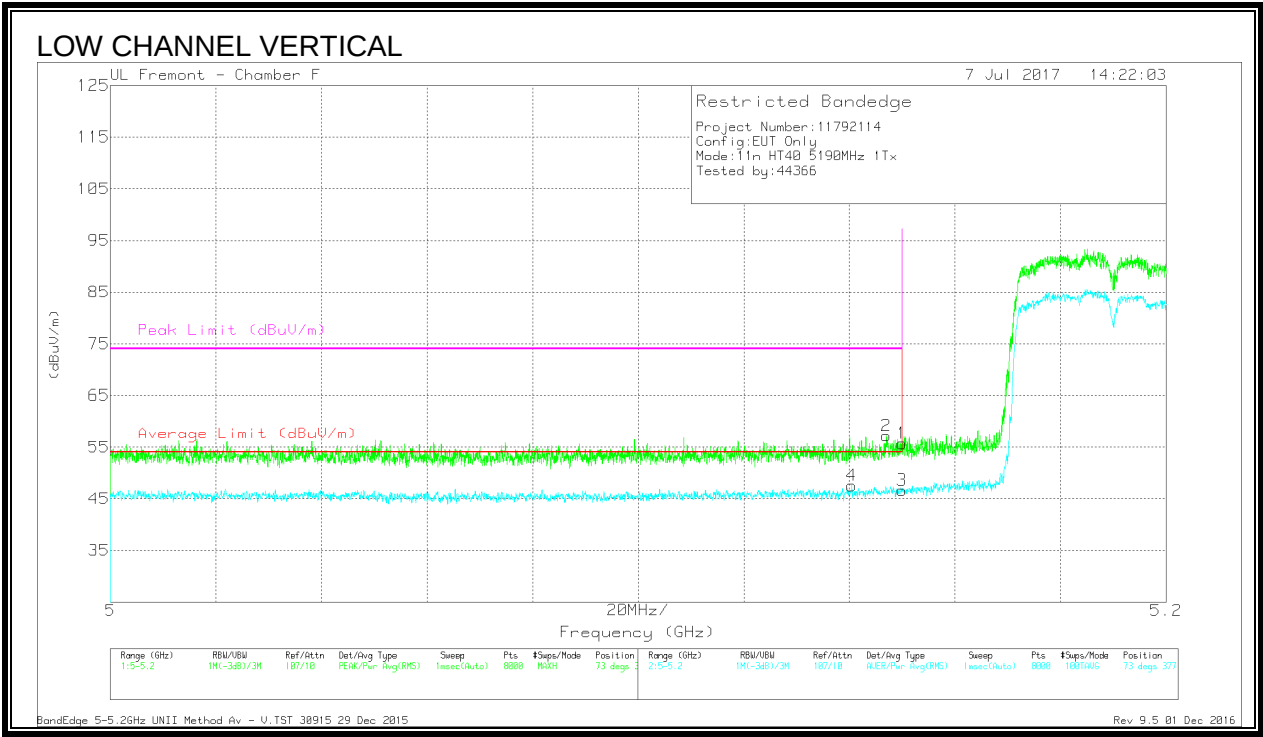
9.1.5. 11n HT40 LAT 3 SISO MODE IN THE 5.2GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT119 (dB/m)	Amp/Cb/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	41.35	Pk	34.5	-18.7	0	57.15	-	-	74	-16.85	328	130	H
2	* 5.148	51.37	Pk	34.5	-18.7	0	67.17	-	-	74	-6.83	328	130	H
3	* 5.15	34.47	RMS	34.5	-18.7	.1	50.37	54	-3.63	-	-	328	130	H
4	* 5.148	34.87	RMS	34.4	-18.7	.1	50.67	54	-3.33	-	-	328	130	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection
UNII_5.2_BE_H_11n_HT40_5190_1Tx_q60_#1474.DAT 30915 29 Dec 2015
Rev 9.5 01 Dec 2016



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (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	* 5.15	39.91	Pk	34.5	-18.7	0	55.71	-	-	74	-18.29	73	377	V
2	* 5.147	41.49	Pk	34.4	-18.7	0	57.19	-	-	74	-16.81	73	377	V
3	* 5.15	30.74	RMS	34.5	-18.7	.1	46.64	54	-7.36	-	-	73	377	V
4	* 5.14	31.66	RMS	34.4	-18.6	.1	47.56	54	-6.44	-	-	73	377	V

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

Pk - Peak detector

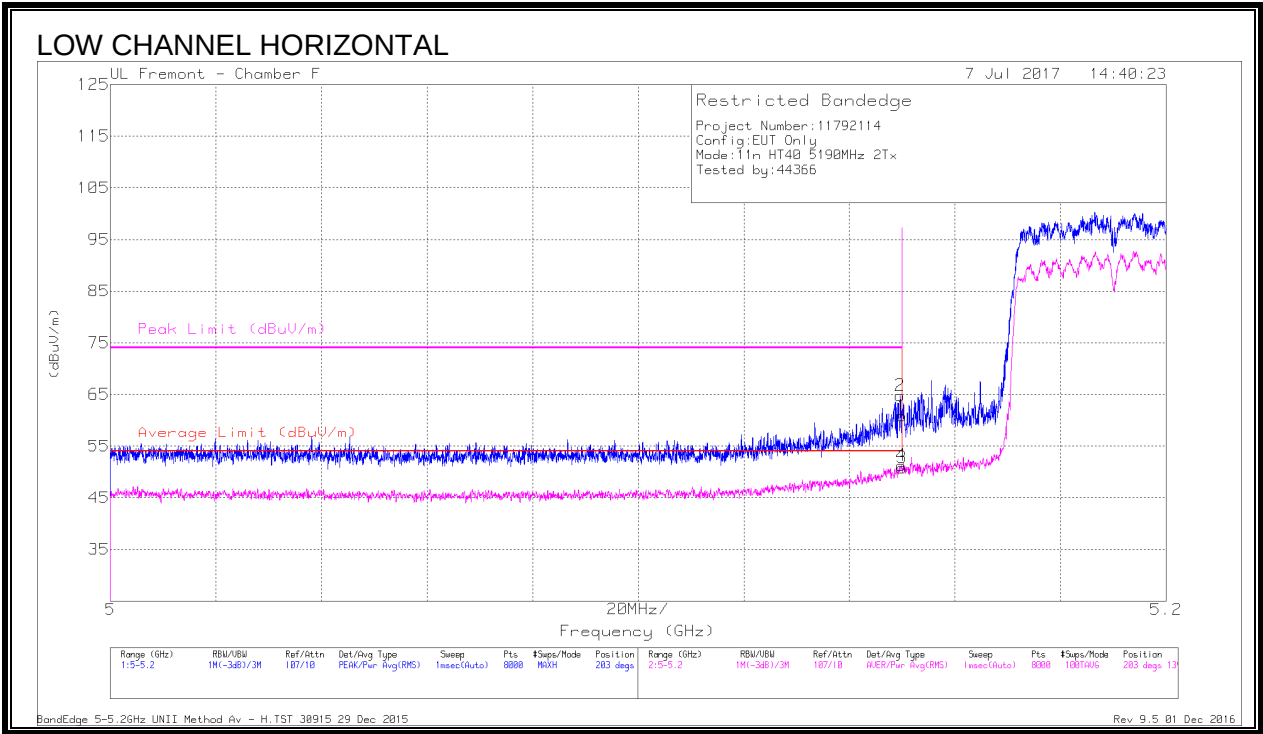
RMS - RMS detection

BandEdge 5-5.150GHz UNII - V.TST 30915 29 Dec 2015

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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 T119 (dB/m)	Amp/Cb/Filtz/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	45.06	Pk	34.5	-18.7	0	60.86	-	-	74	-13.14	203	139	H
2	* 5.15	48.98	Pk	34.5	-18.7	0	64.78	-	-	74	-9.22	203	139	H
3	* 5.15	34.92	RMS	34.5	-18.7	.1	50.82	54	-3.18	-	-	203	139	H
4	* 5.15	35.37	RMS	34.5	-18.7	.1	51.27	54	-2.73	-	-	203	139	H

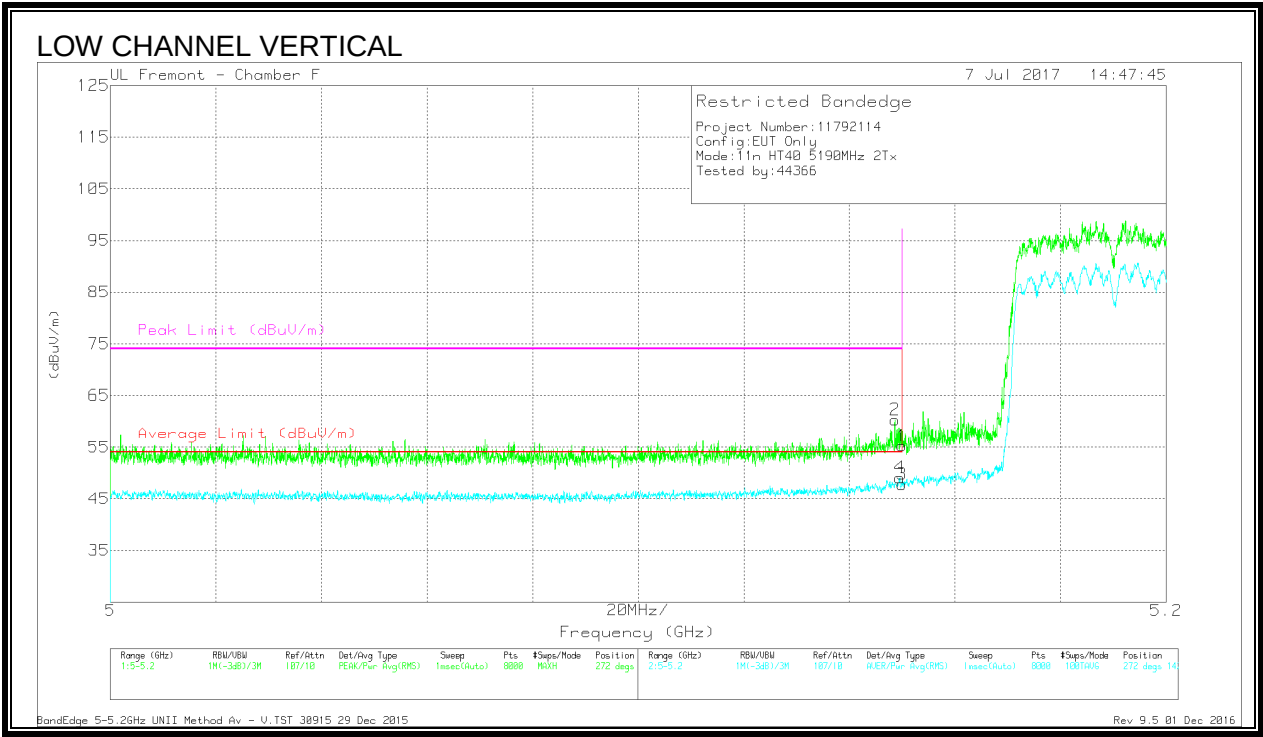
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

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Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Af T119 (dB/m)	Amp/Cb/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 5.15	39.46	Pk	34.5	-18.7	0	55.26	-	-	74	-18.74	272	142	V
2	* 5.149	44.48	Pk	34.5	-18.7	0	60.28	-	-	74	-13.72	272	142	V
3	* 5.15	31.91	RMS	34.5	-18.7	.1	47.81	54	-6.19	-	-	272	142	V
4	* 5.15	33.21	RMS	34.5	-18.7	.1	49.11	54	-4.89	-	-	272	142	V

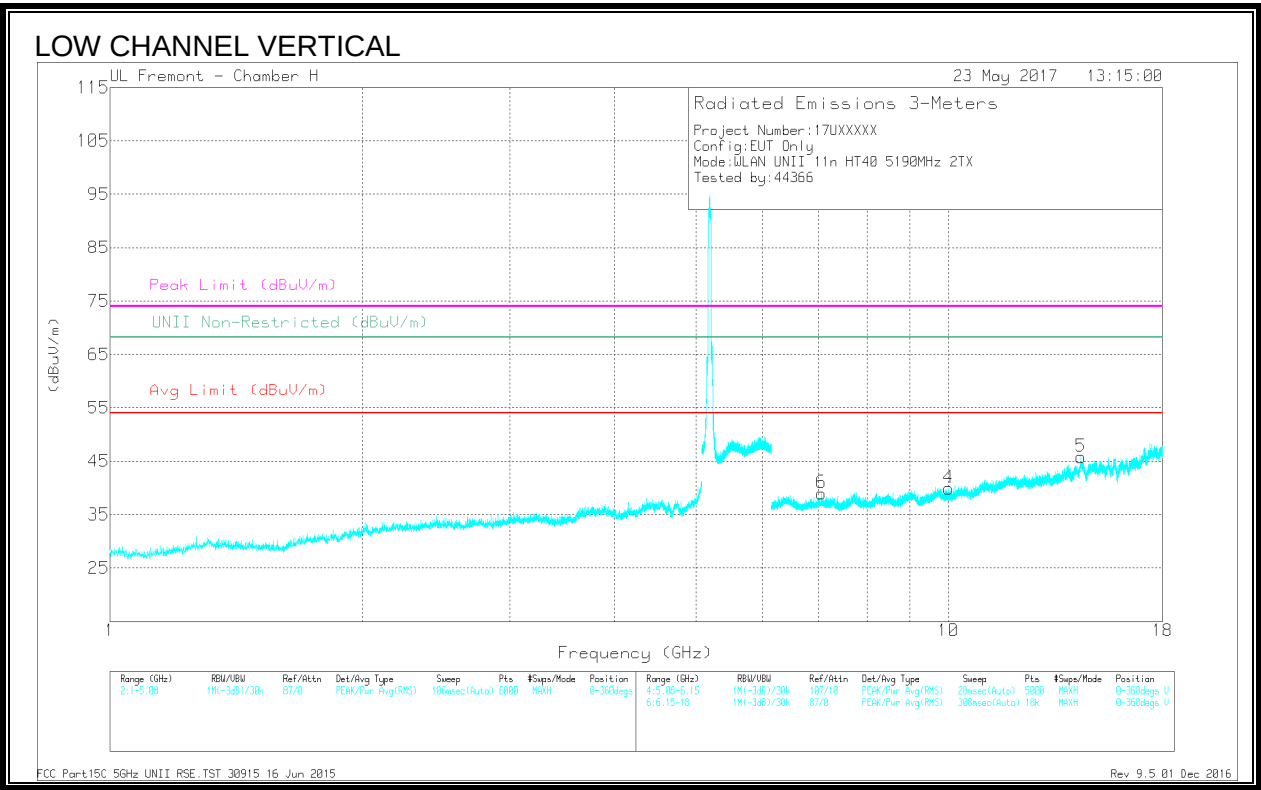
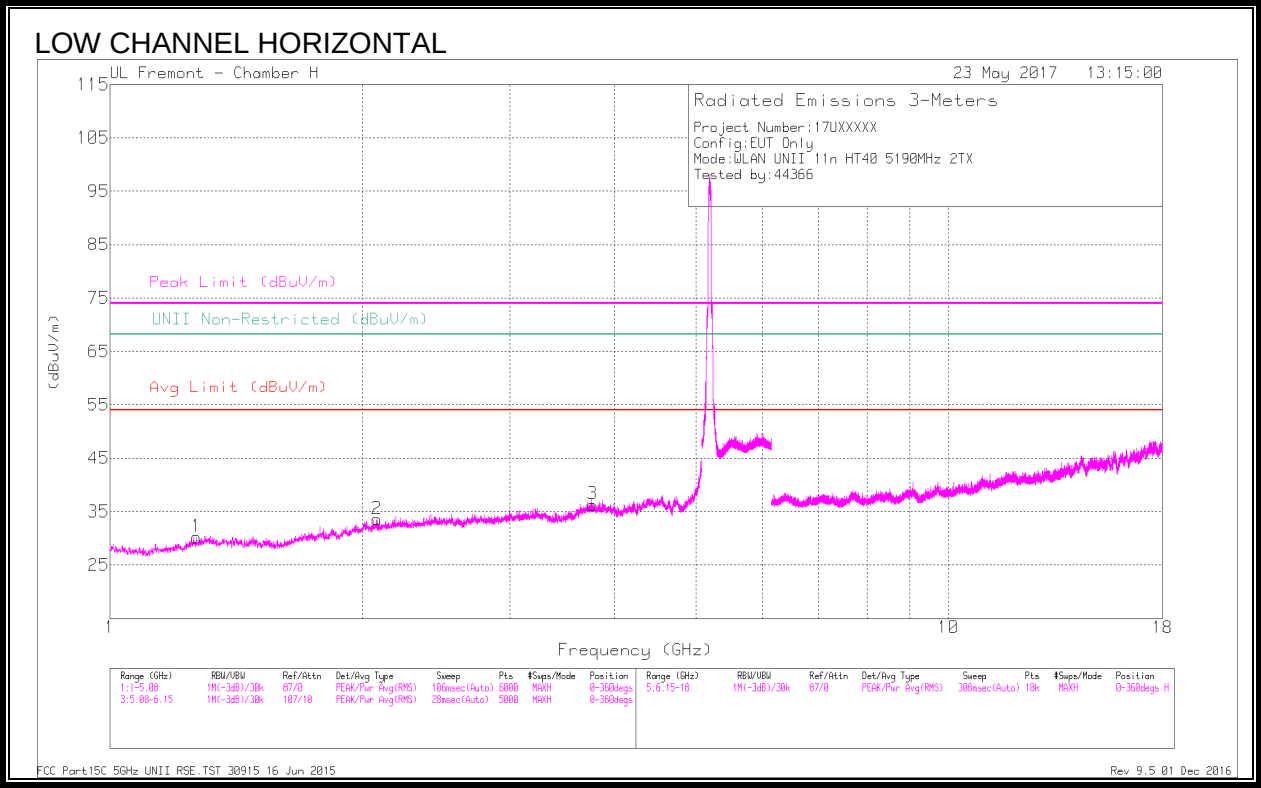
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BandEdge 5-5.150GHz UNII - V.TST 30915 29 Dec 2015

Rev 9.5 01 Dec 2016



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/FI tri/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	* 1.267	45.76	PK-U	28.8	-37.5	0	37.06	-	-	74	-36.94	-	-	229	183	H
	* 1.267	33.78	ADR	28.8	-37.5	.1	25.18	54	-28.82	-	-	-	-	229	183	H
3	* 3.767	45.8	PK-U	33.1	-35.6	0	43.3	-	-	74	-30.7	-	-	15	141	H
	* 3.765	34.06	ADR	33.1	-35.6	.1	31.66	54	-22.34	-	-	-	-	15	141	H
2	2.082	47.16	PK-U	31.6	-38	0	40.76	-	-	-	-	68.2	-27.44	129	204	H
6	7.057	41.04	PK-U	35.8	-31.6	0	45.24	-	-	-	-	68.2	-22.96	280	312	V
4	10.001	37.4	PK-U	37.4	-29	0	45.8	-	-	-	-	68.2	-22.4	353	245	V
5	14.392	36.09	PK-U	40.6	-23.7	0	52.99	-	-	-	-	68.2	-15.21	323	249	V

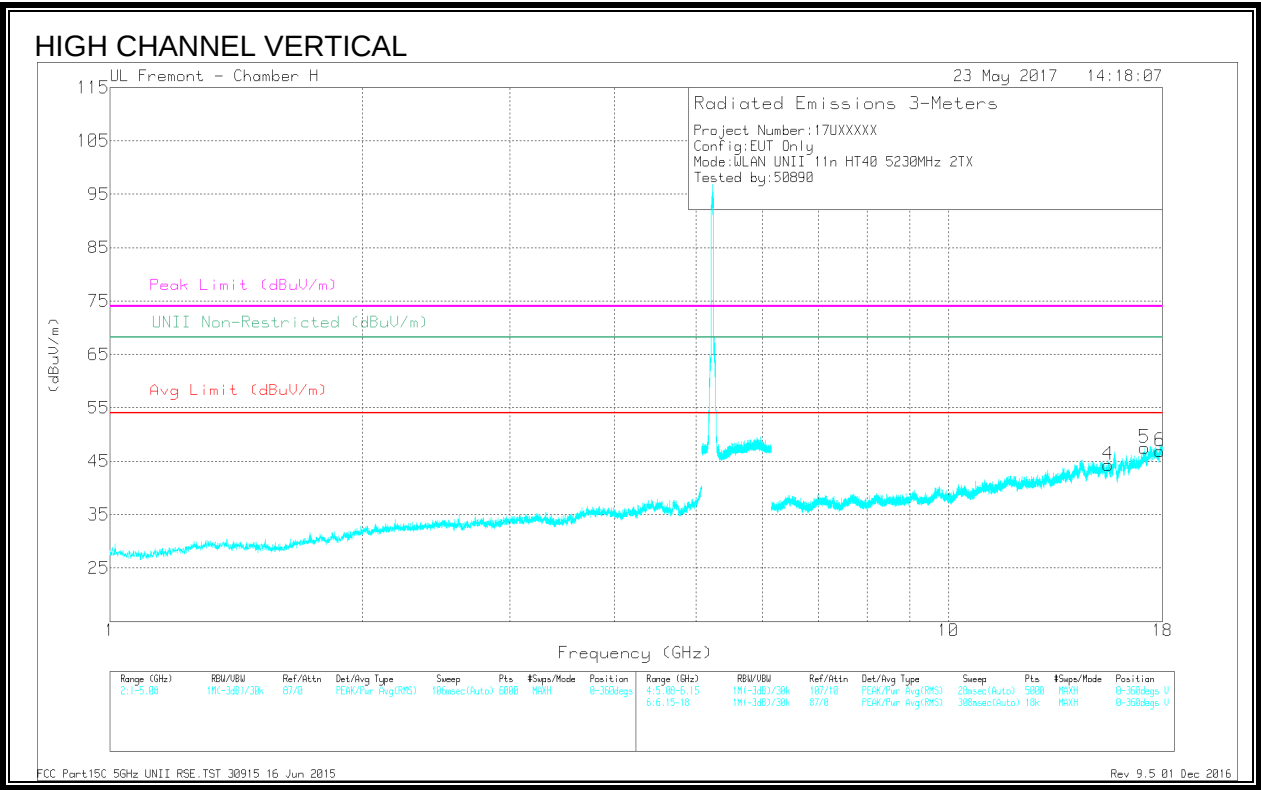
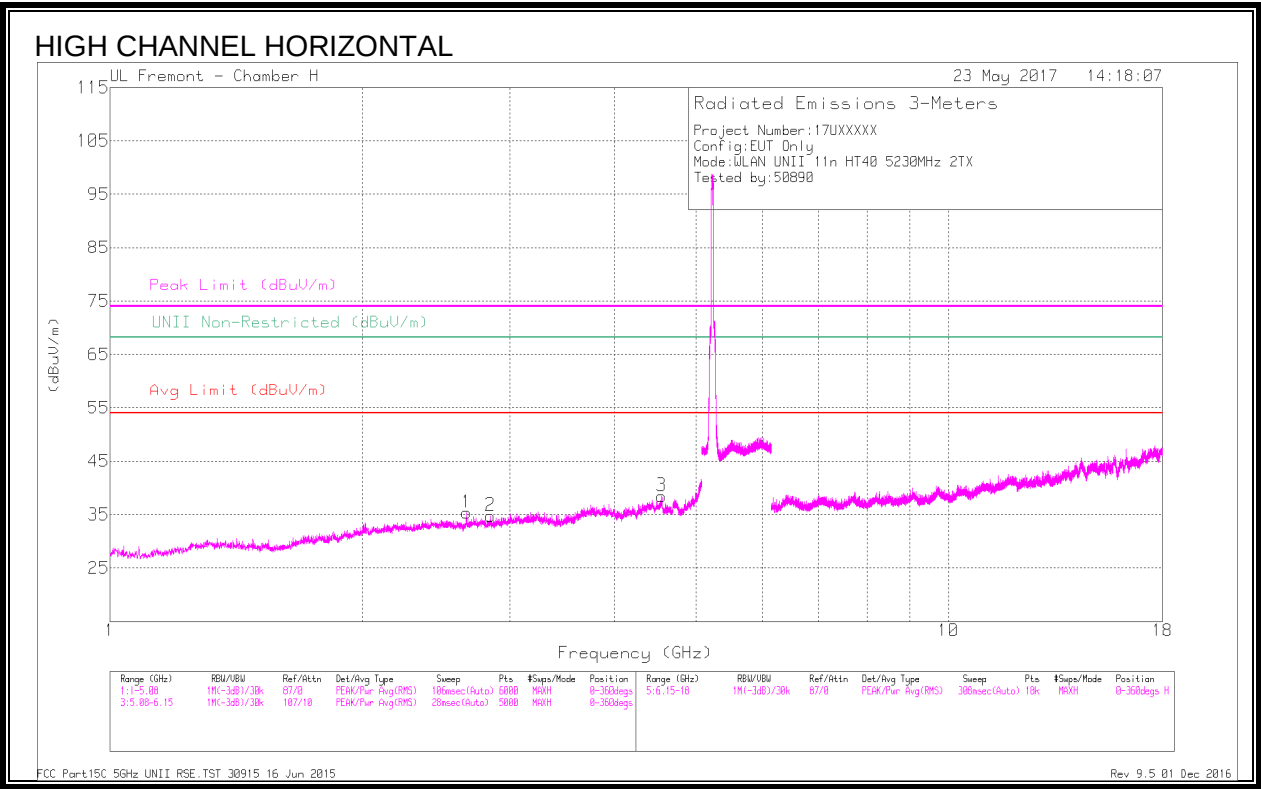
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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



Marker	Frequen cy (GHz)	Meter Readin g (dBuV)	Det	AF T344 (dB/ m)	Amp/C bl/Filtr/ Pad (dB)	DC Corr (dB)	Correc ted Readi ng (dBuV/ m)	Avg Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	UNII Non- Restric ted (dBuV/ m)	PK Margin (dB)	Azimet h (Degs)	Height (cm)	Polarit y
1	* 2.661	46.6	PK-U	32.2	-37.7	0	41.1	-	-	74	-32.9	-	-	107	124	H
	* 2.661	34.76	ADR	32.2	-37.7	.1	29.36	54	-24.64	-	-	-	-	107	124	H
2	* 2.84	46.67	PK-U	32.5	-37.6	0	41.57	-	-	74	-32.43	-	-	214	152	H
	* 2.84	34.42	ADR	32.5	-37.6	.1	29.42	54	-24.58	-	-	-	-	214	152	H
3	* 4.549	45.16	PK-U	34.3	-34.8	0	44.66	-	-	74	-29.34	-	-	34	257	H
	* 4.55	33.45	ADR	34.3	-34.9	.1	32.95	54	-21.05	-	-	-	-	34	257	H
4	* 15.51	36.46	PK-U	41.3	-24.8	0	52.96	-	-	74	-21.04	-	-	80	375	V
	* 15.51	24.43	ADR	41.3	-24.8	.1	41.03	54	-12.97	-	-	-	-	80	375	V
5	* 17.872	35.96	PK-U	41.4	-22	0	55.36	-	-	74	-18.64	-	-	25	398	V
	* 17.874	23.77	ADR	41.4	-22	.1	43.27	54	-10.73	-	-	-	-	25	398	V
6	* 17.873	34.97	PK-U	41.4	-22	0	54.37	-	-	74	-19.63	-	-	25	398	V
	* 17.874	23.73	ADR	41.4	-22	.1	43.23	54	-10.77	-	-	-	-	25	398	V

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

PK-U - U-NII: Maximum Peak

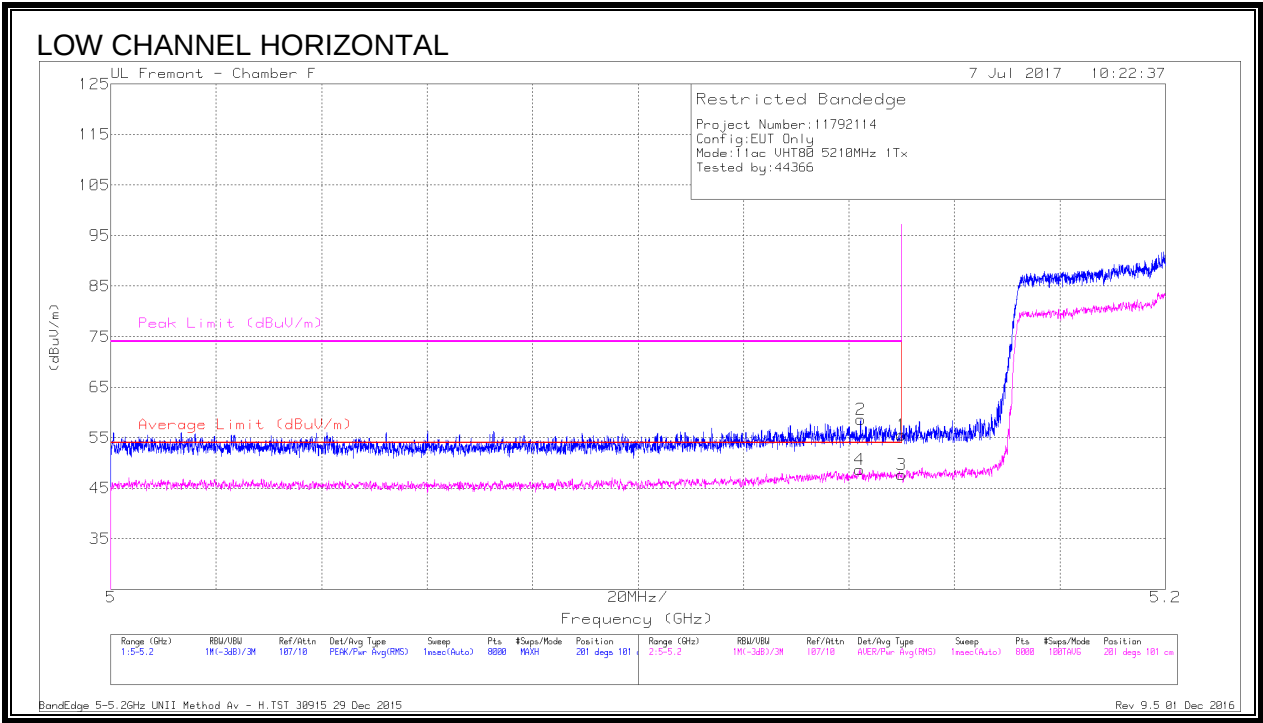
ADR - U-NII AD primary method, RMS average

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	AFT119 (dB/m)	Amp/Cb/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	39.7	Pk	34.5	-18.7	0	55.5	-	-	74	-18.5	201	101	H
2	* 5.142	42.82	Pk	34.4	-18.6	0	58.62	-	-	74	-15.38	201	101	H
3	* 5.15	31.7	RMS	34.5	-18.7	.19	47.69	54	-6.31	-	-	201	101	H
4	* 5.142	32.71	RMS	34.4	-18.6	.19	48.7	54	-5.3	-	-	201	101	H

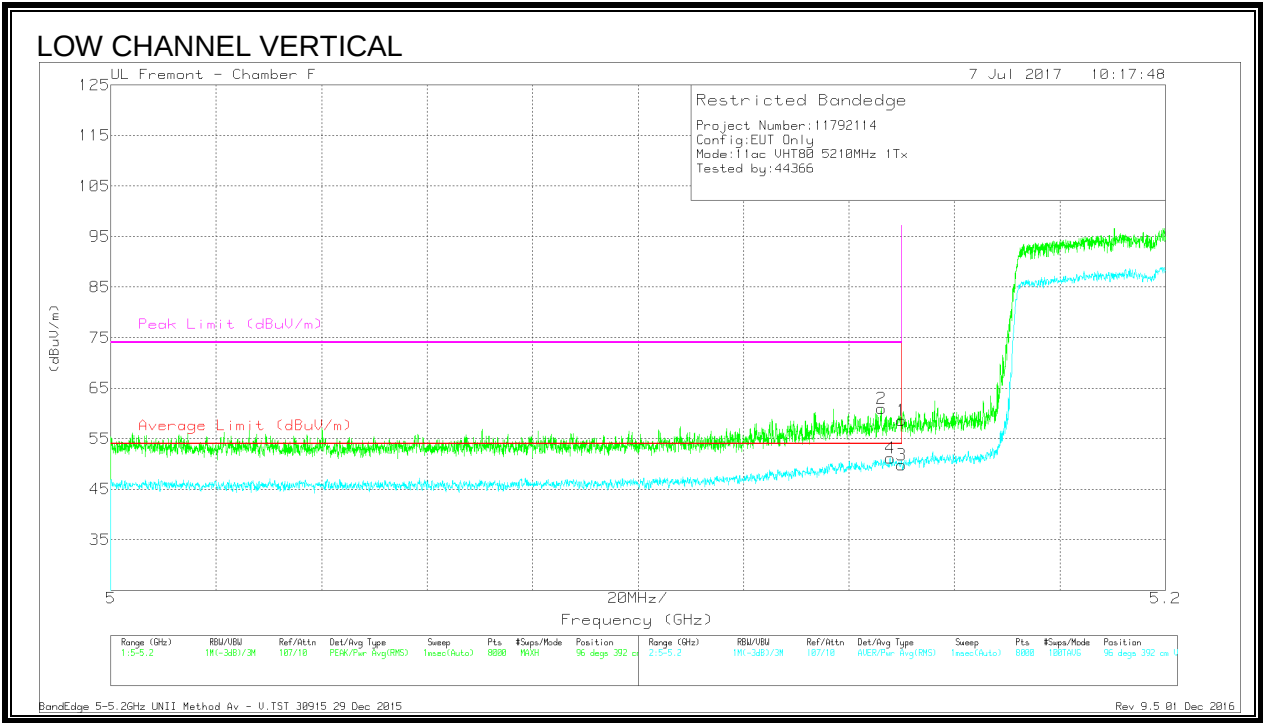
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BandEdge 5-5.150GHz UNII - H.TST 30915 29 Dec 2015

Rev 9.5 01 Dec 2016



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Af T119 (dB/m)	Amp/Cb/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	42.76	Pk	34.5	-18.7	0	58.56	-	-	74	-15.44	96	392	V
2	* 5.146	45.29	Pk	34.4	-18.7	0	60.99	-	-	74	-13.01	96	392	V
3	* 5.15	33.83	RMS	34.5	-18.7	.19	49.82	54	-4.18	-	-	96	392	V
4	* 5.148	35.16	RMS	34.5	-18.7	.19	51.15	54	-2.85	-	-	96	392	V

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

Pk - Peak detector

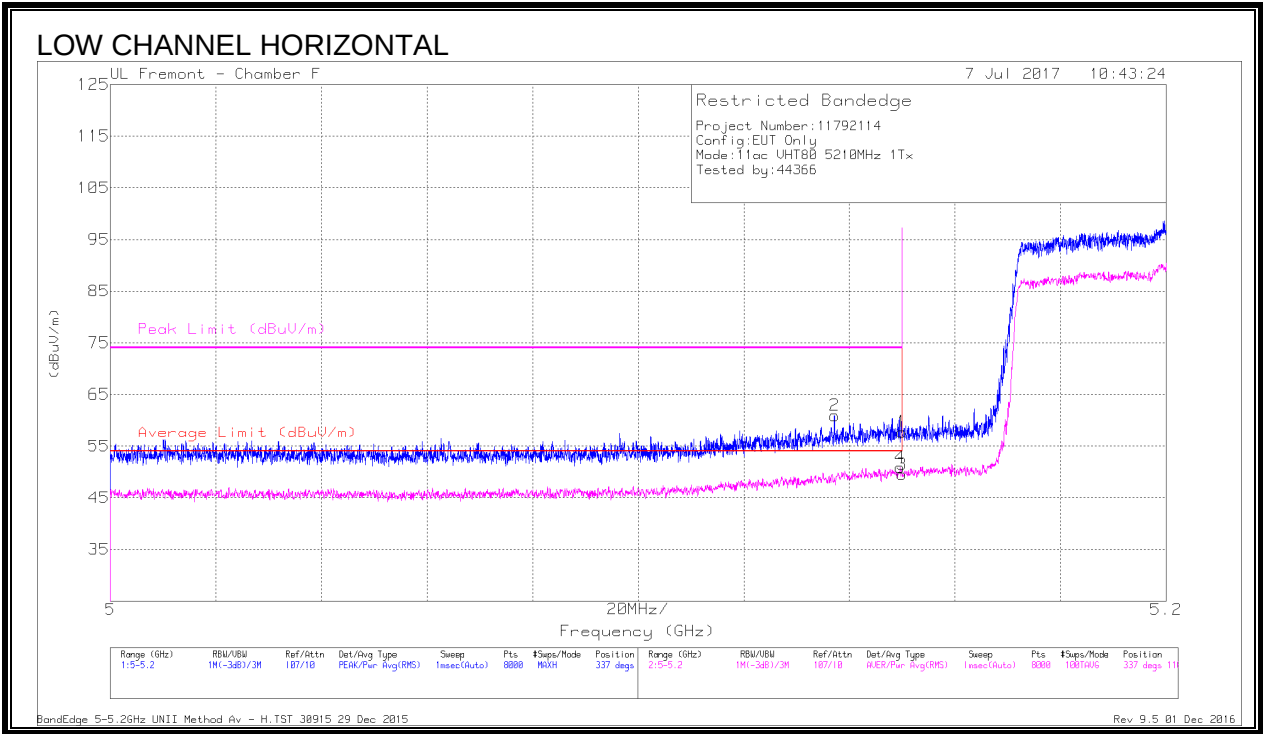
RMS - RMS detection

BandEdge 5-5.150GHz UNII - 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)	Amp/Cb/Filtz/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 5.15	41.95	Pk	34.5	-18.7	0	57.75	-	-	74	-16.25	337	116	H
2	* 5.137	45.23	Pk	34.4	-18.7	0	60.93	-	-	74	-13.07	337	116	H
3	* 5.15	33.53	RMS	34.5	-18.7	.19	49.52	54	-4.48	-	-	337	116	H
4	* 5.15	34.87	RMS	34.5	-18.7	.19	50.86	54	-3.14	-	-	337	116	H

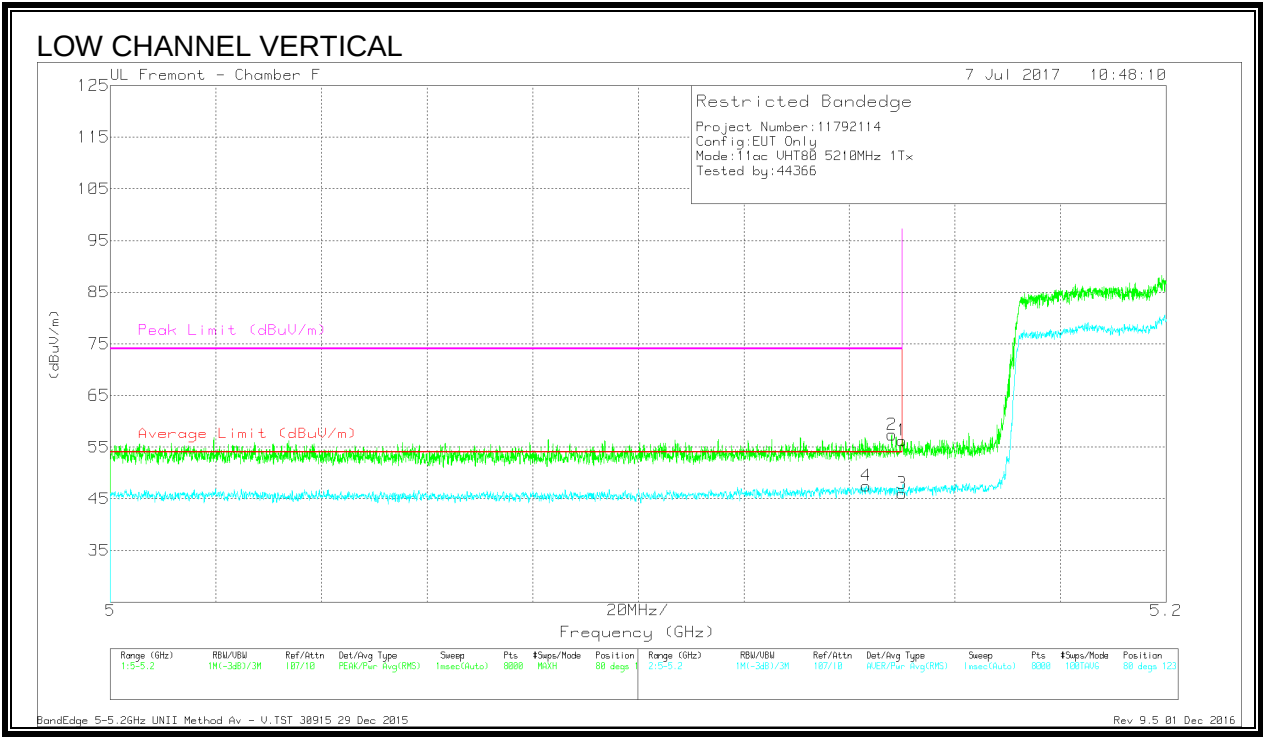
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BandEdge 5-5.150GHz UNII - H.TST 30915 29 Dec 2015

Rev 9.5 01 Dec 2016



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Af T119 (dB/m)	Amp/Cb/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degr)	Height (cm)	Polarity
1	* 5.15	40.5	Pk	34.5	-18.7	0	56.3	-	-	74	-17.7	80	123	V
2	* 5.148	41.62	Pk	34.5	-18.7	0	57.42	-	-	74	-16.58	80	123	V
3	* 5.15	30.03	RMS	34.5	-18.7	.19	46.02	54	-7.98	-	-	80	123	V
4	* 5.143	31.55	RMS	34.4	-18.6	.19	47.54	54	-6.46	-	-	80	123	V

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

Pk - Peak detector

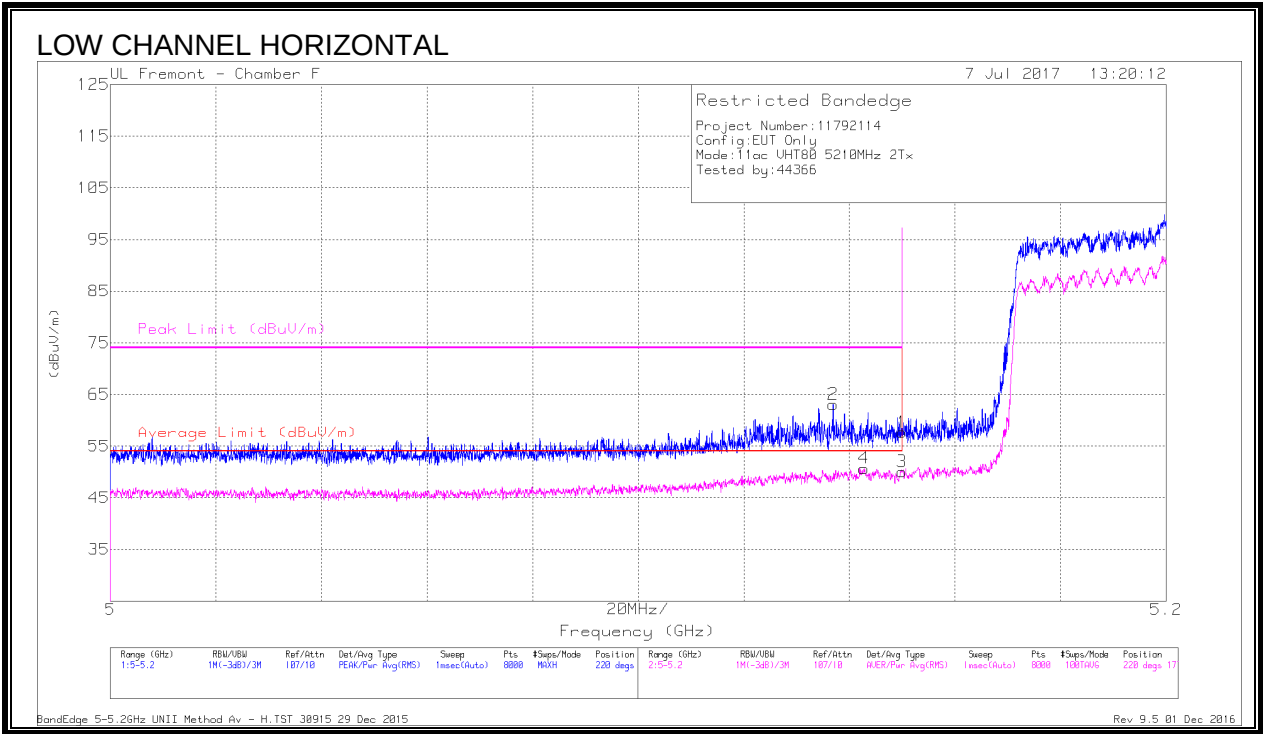
RMS - RMS detection

BandEdge 5-5.150GHz UNII - V.TST 30915 29 Dec 2015

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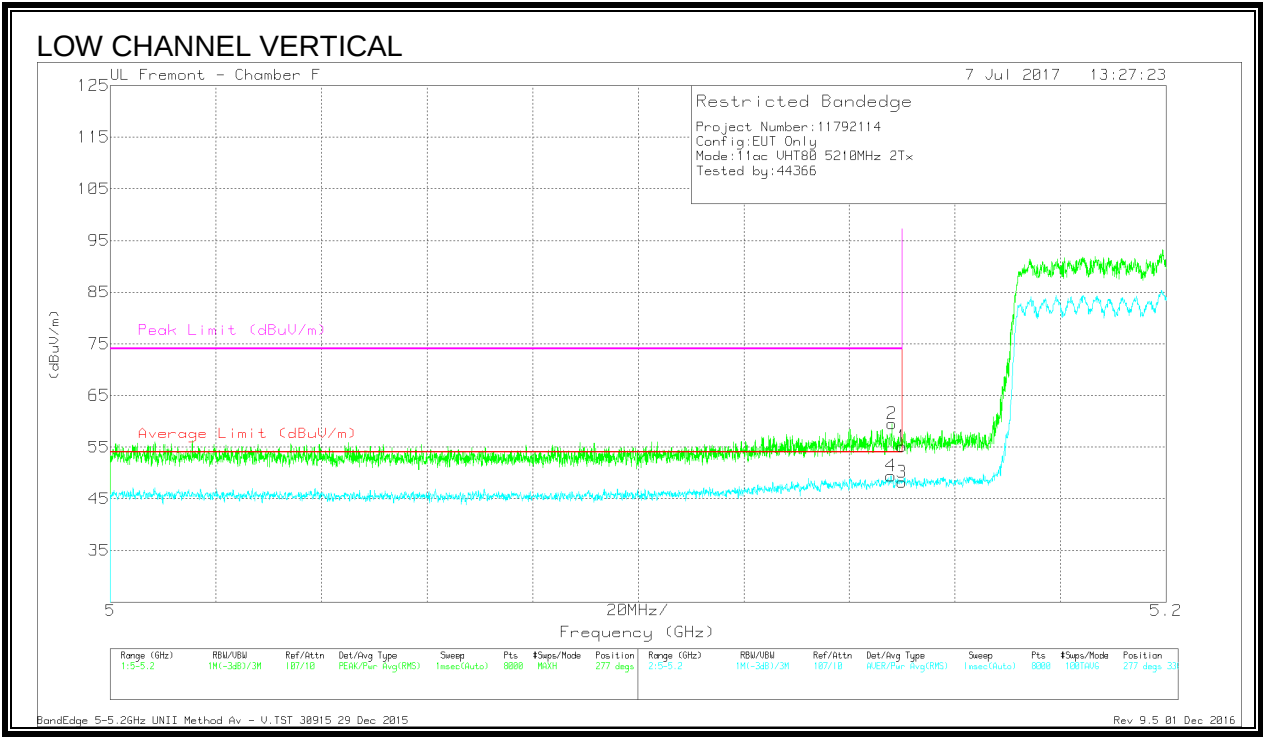
9.1.9. 11ac HT80 2TX CDD MIMO MODE IN THE 5.2GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/Filtz/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 5.15	41.89	Pk	34.5	-18.7	0	57.69	-	-	74	-16.31	220	177	H
2	* 5.137	47.39	Pk	34.4	-18.7	0	63.09	-	-	74	-10.91	220	177	H
3	* 5.15	34.05	RMS	34.5	-18.7	.19	50.04	54	-3.96	-	-	220	177	H
4	* 5.143	34.7	RMS	34.4	-18.6	.19	50.69	54	-3.31	-	-	220	177	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection
BandEdge 5-5.150GHz UNII - H.TST 30915 29 Dec 2015
Rev 9.5 01 Dec 2016



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Af T119 (dB/m)	Amp/Cb/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	39.35	Pk	34.5	-18.7	0	55.15	-	-	74	-18.85	277	330	V
2	* 5.148	43.73	Pk	34.5	-18.7	0	59.53	-	-	74	-14.47	277	330	V
3	* 5.15	32.22	RMS	34.5	-18.7	.19	48.21	54	-5.79	-	-	277	330	V
4	* 5.148	33.47	RMS	34.5	-18.7	.19	49.46	54	-4.54	-	-	277	330	V

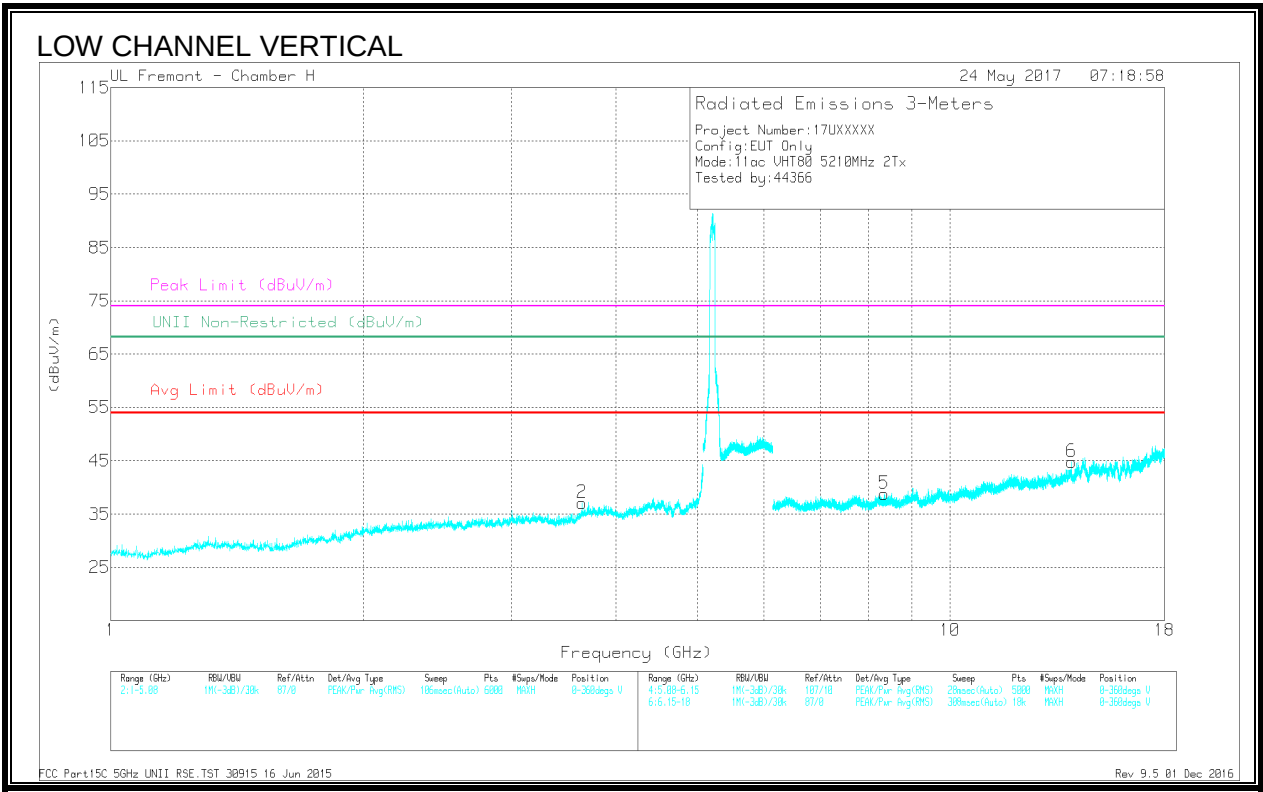
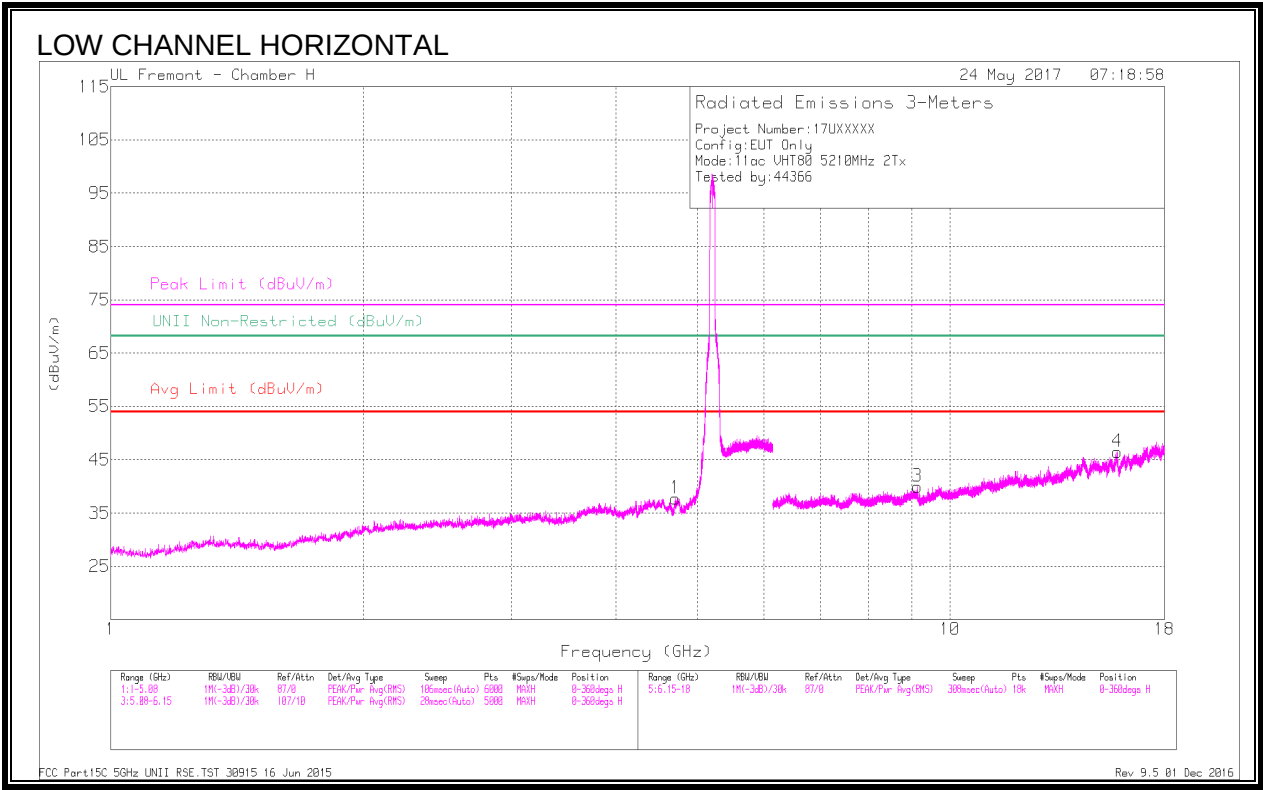
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BandEdge 5-5.150GHz UNII - V.TST 30915 29 Dec 2015

Rev 9.5 01 Dec 2016



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/ Cbl/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.711	44.03	PK-U	34.1	-34.4	0	43.73	-	-	74	-30.27	-	-	354	338	H
	* 4.709	31.89	ADR	34.1	-34.3	.19	31.89	54	-22.11	-	-	-	-	354	338	H
2	* 3.644	45.31	PK-U	33.1	-35.9	0	42.51	-	-	74	-31.49	-	-	359	314	V
	* 3.645	33.71	ADR	33.1	-35.9	.19	31.11	54	-22.89	-	-	-	-	359	314	V
3	* 9.144	37.82	PK-U	36.5	-29	0	45.32	-	-	74	-28.68	-	-	225	126	H
	* 9.141	26.23	ADR	36.5	-29	.19	33.93	54	-20.07	-	-	-	-	225	126	H
4	* 15.813	34.81	PK-U	42.1	-24.3	0	52.61	-	-	74	-21.39	-	-	273	322	H
	* 15.812	23.7	ADR	42.1	-24.3	.19	41.7	54	-12.3	-	-	-	-	273	322	H
5	* 8.344	39.66	PK-U	36	-30.3	0	45.36	-	-	74	-28.64	-	-	337	289	V
	* 8.343	27.9	ADR	36	-30.3	.19	33.8	54	-20.2	-	-	-	-	337	289	V
6	13.944	36.46	PK-U	39.4	-25.5	0	50.36	-	-	-	-	68.2	-17.84	100	359	V

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

PK-U - U-NII: Maximum Peak

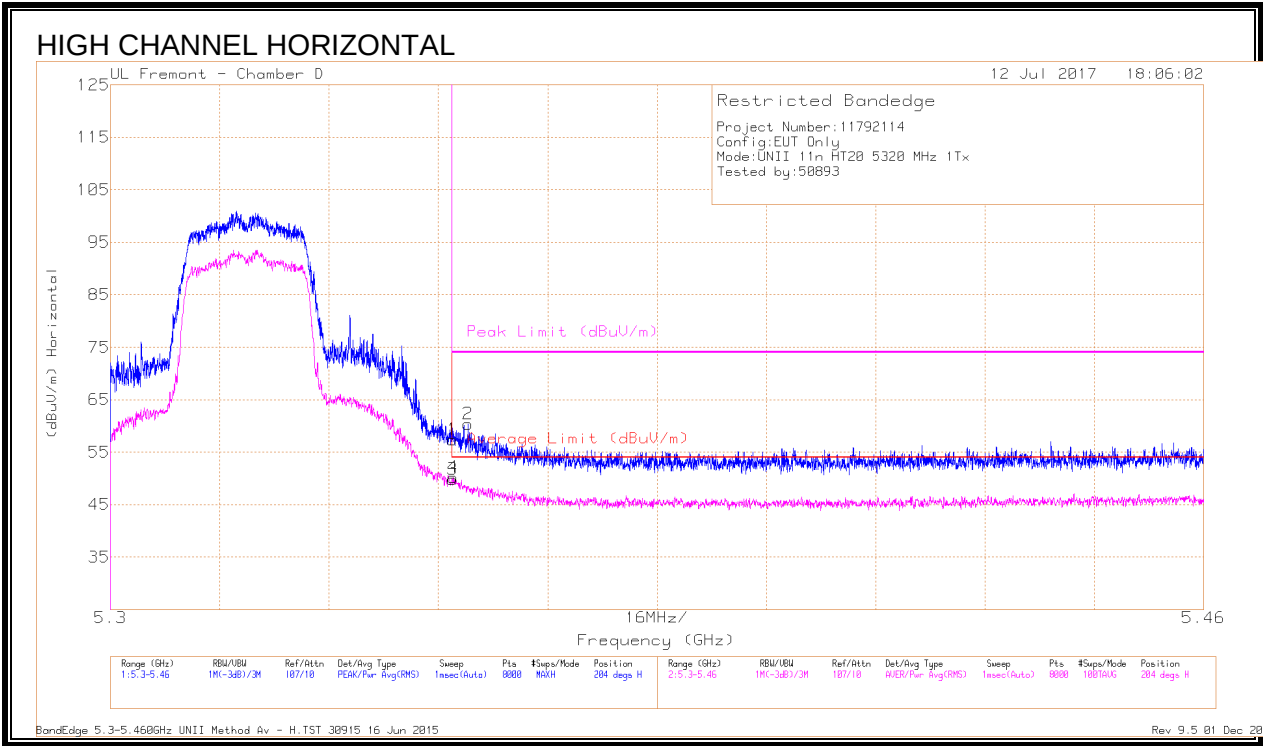
ADR - U-NII AD primary method, RMS average

FCC Part15C 5GHz UNII RSE.TST 30915 16 Jun 2015

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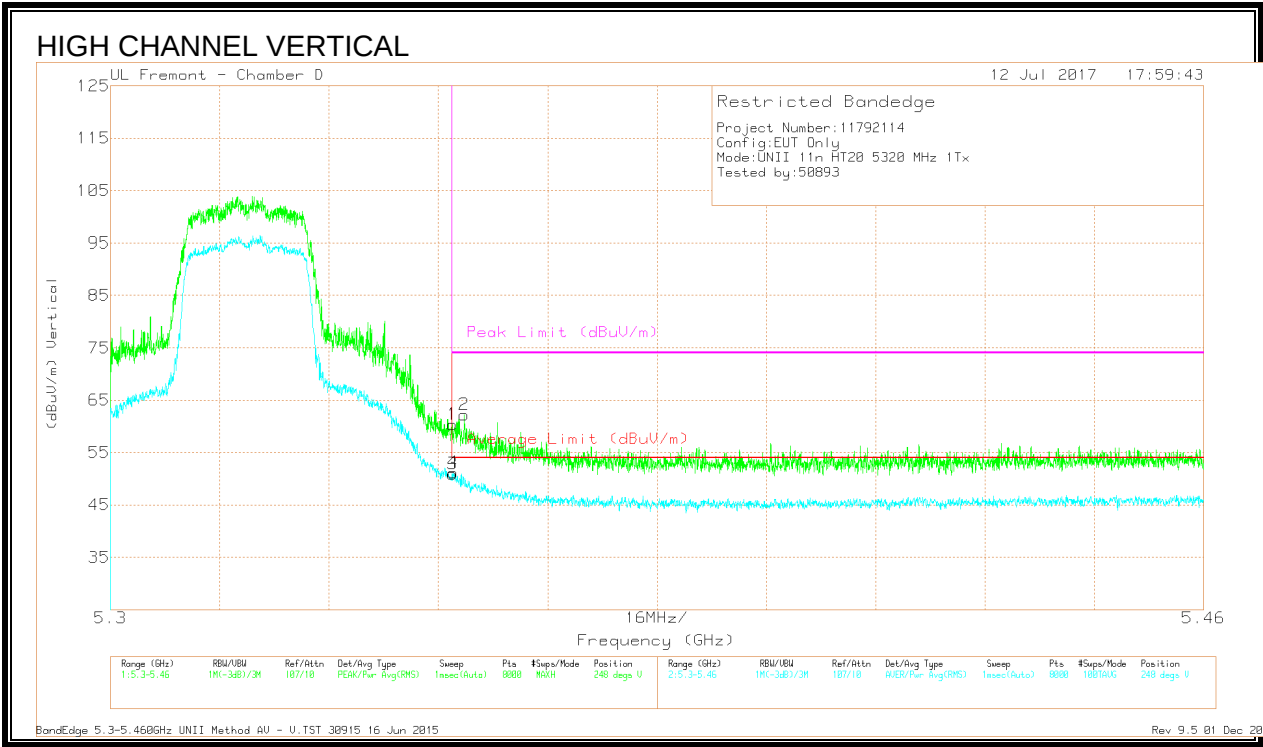
9.1.10. 11n HT20 UAT 2 SISO MODE IN THE 5.3GHz BAND

AUTHORIZED BANDEDGE (HIGH CHANNEL)



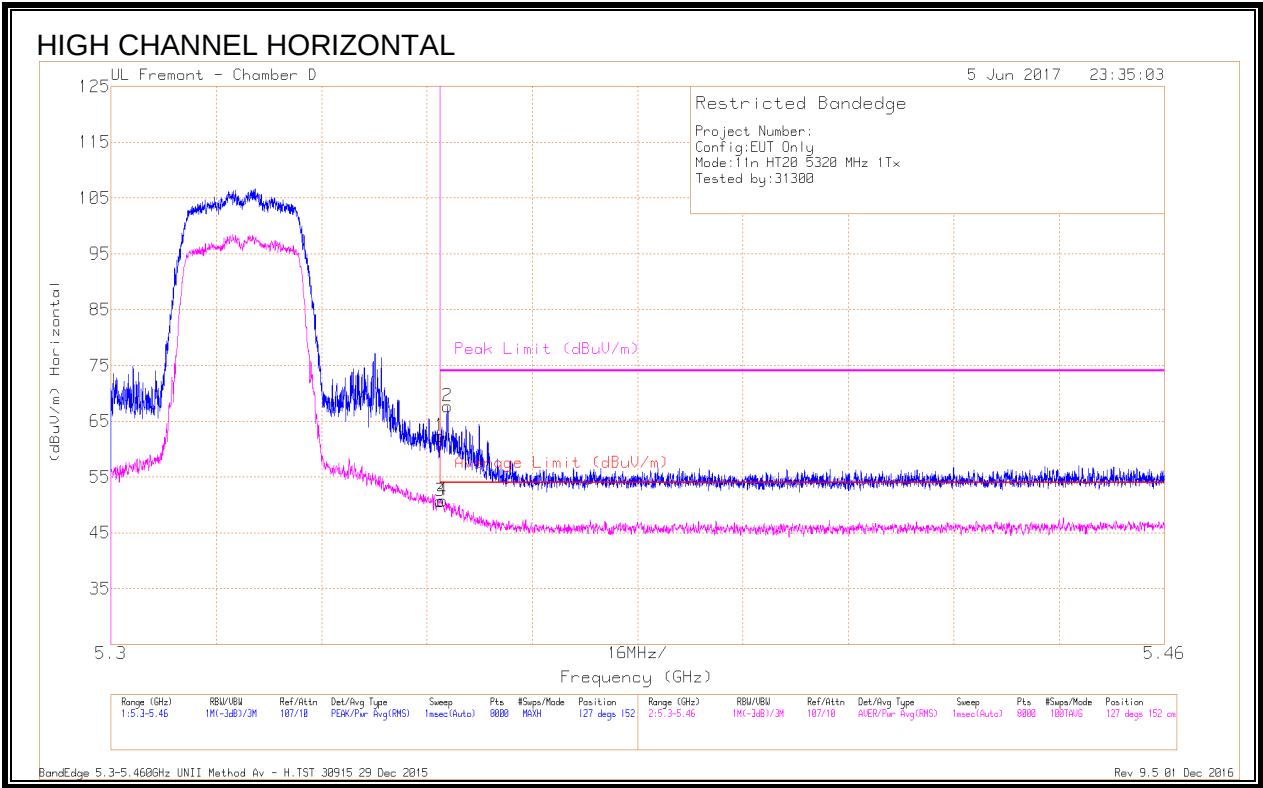
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	41.42	Pk	34.3	-18.4	57.32	-	-	74	-16.68	204	314	H
3	* 5.35	33.92	RMS	34.3	-18.4	49.82	54	-4.18	-	-	204	314	H
4	* 5.35	34.23	RMS	34.3	-18.4	50.13	54	-3.87	-	-	204	314	H
2	* 5.352	44.45	Pk	34.3	-18.4	60.35	-	-	74	-13.65	204	314	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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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)	Ampl/Cbl/Filtr/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	46.08	Pk	34.6	-18.4	62.28	-	-	74	-11.72	127	152	H
3	* 5.35	34.42	RMS	34.6	-18.4	50.62	54	-3.38	-	-	127	152	H
4	* 5.35	34.59	RMS	34.6	-18.4	50.79	54	-3.21	-	-	127	152	H
2	* 5.351	51.52	Pk	34.6	-18.4	67.72	-	-	74	-6.28	127	152	H

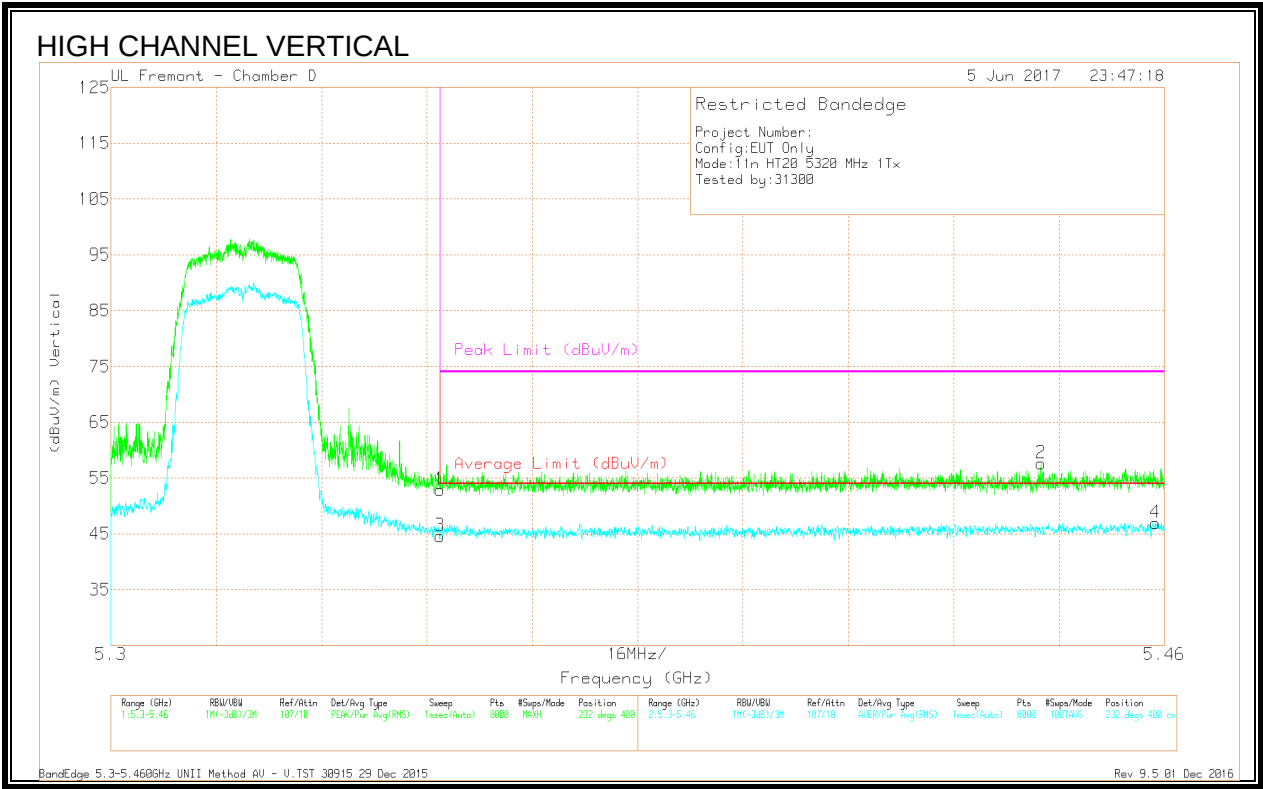
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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 T120 (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	* 5.35	36.66	Pk	34.6	-18.4	52.86	-	-	74	-21.14	232	400	V
3	* 5.35	28.4	RMS	34.6	-18.4	44.6	54	-9.4	-	-	232	400	V
2	* 5.441	41.06	Pk	34.7	-18.1	57.66	-	-	74	-16.34	232	400	V
4	* 5.459	30.27	RMS	34.7	-18	46.97	54	-7.03	-	-	232	400	V

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

Pk - Peak detector

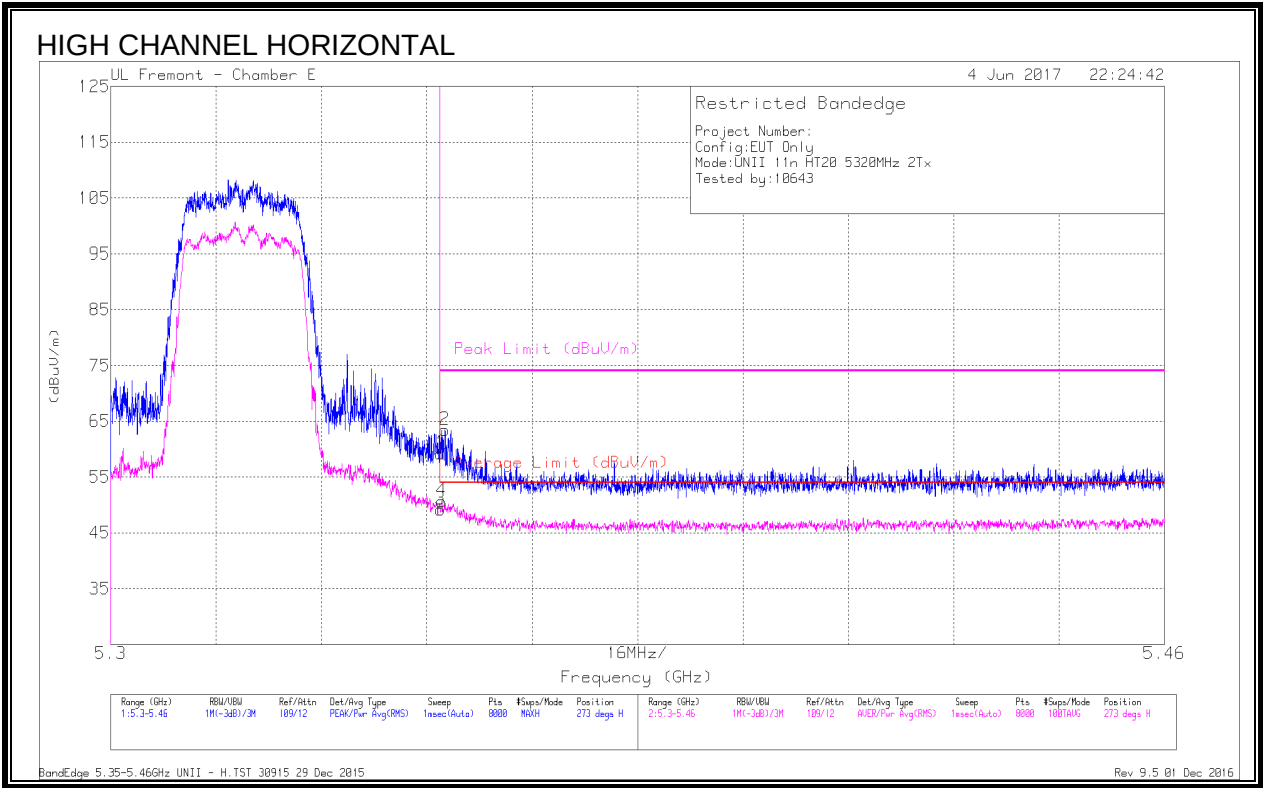
RMS - RMS detection

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

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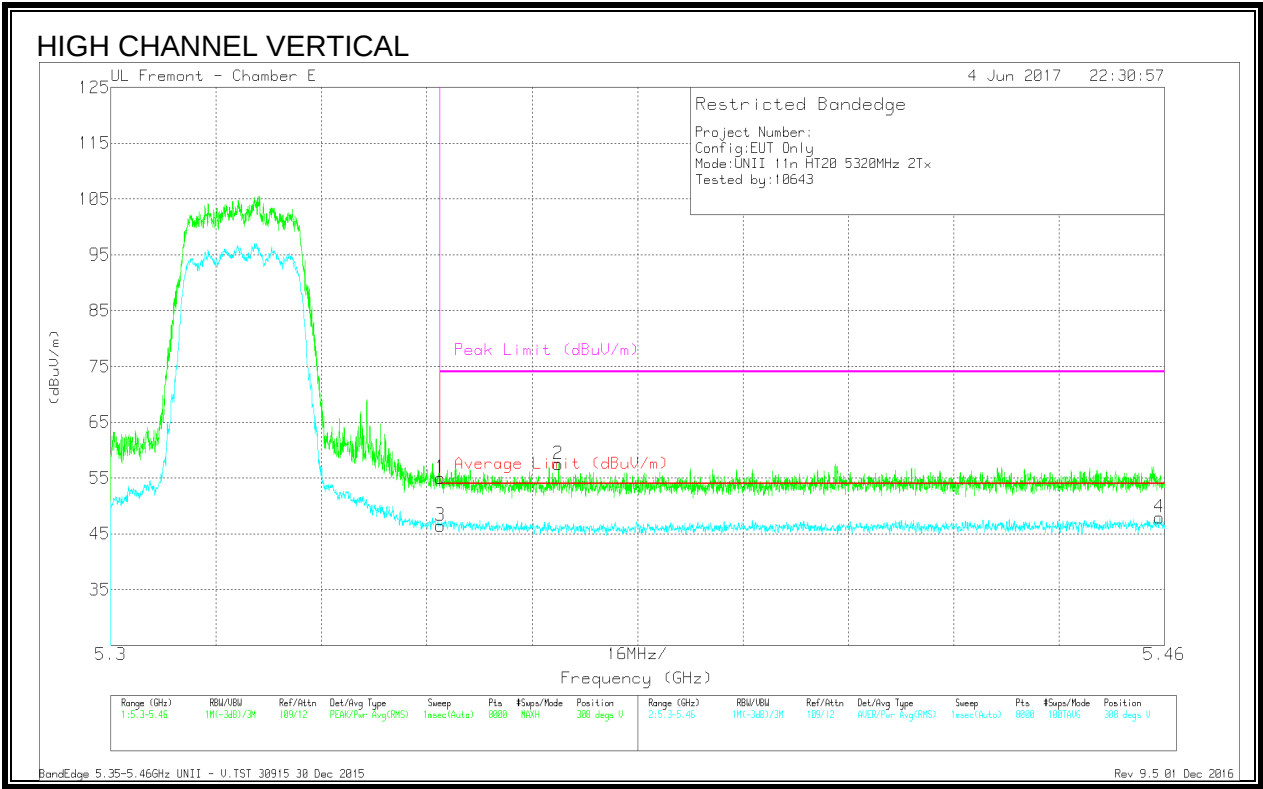
9.1.12. 11n HT20 2TX CDD MIMO MODE IN THE 5.3GHz BAND

AUTHORIZED BANDEDGE (HIGH CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Ampl/Cbl/Filtr/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	43.31	Pk	35.2	-19.3	59.21	-	-	74	-14.79	273	129	H
2	* 5.351	47.58	Pk	35.2	-19.3	63.48	-	-	74	-10.52	273	129	H
3	* 5.35	33.23	RMS	35.2	-19.3	49.13	54	-4.87	-	-	273	129	H
4	* 5.35	34.77	RMS	35.2	-19.3	50.67	54	-3.33	-	-	273	129	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection
BandEdge 5.35-5.46GHz UNII - H.TST 30915 29 Dec 2015
Rev 9.5 01 Dec 2016



Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/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	39.11	Pk	35.2	-19.3	55.01	-	-	74	-18.99	308	129	V
3	* 5.35	30.5	RMS	35.2	-19.3	46.4	54	-7.6	-	-	308	129	V
2	* 5.368	41.71	Pk	35.2	-19.4	57.51	-	-	74	-16.49	308	129	V
4	* 5.459	32.09	RMS	35.1	-19.3	47.89	54	-6.11	-	-	308	129	V

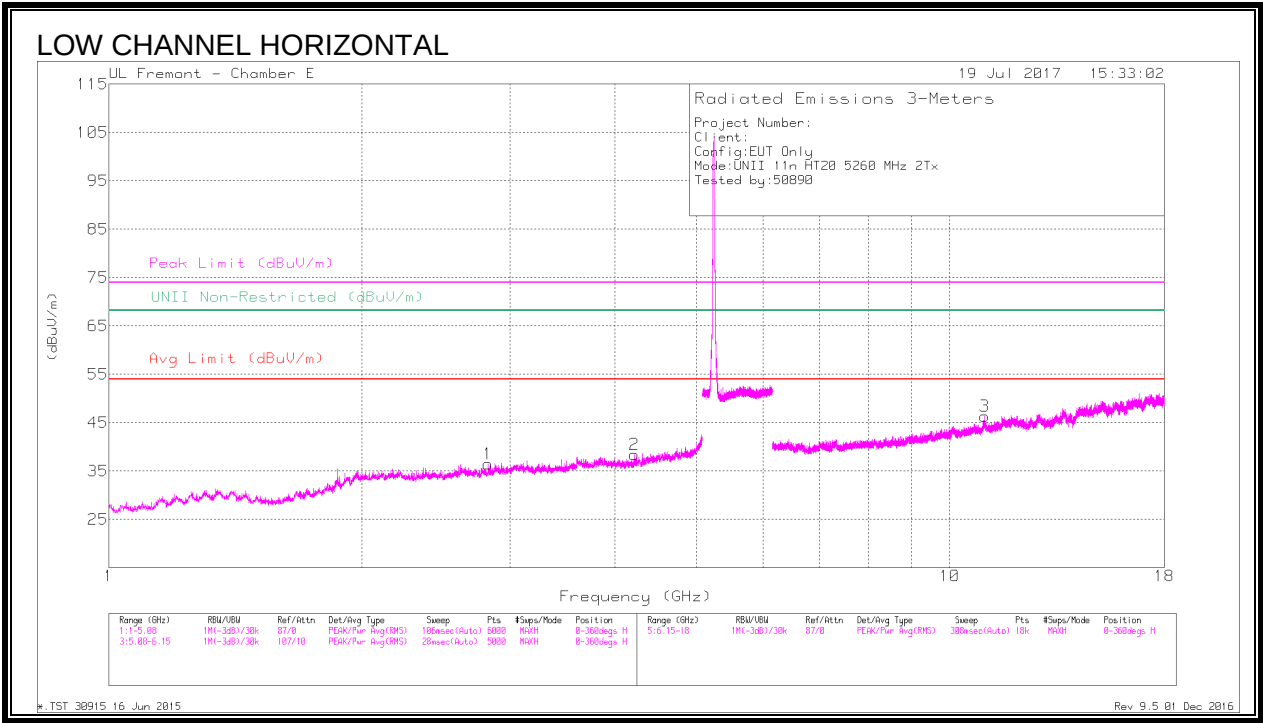
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BandEdge 5.35-5.46GHz UNII - V.TST 30915 30 Dec 2015

Rev 9.5 01 Dec 2016



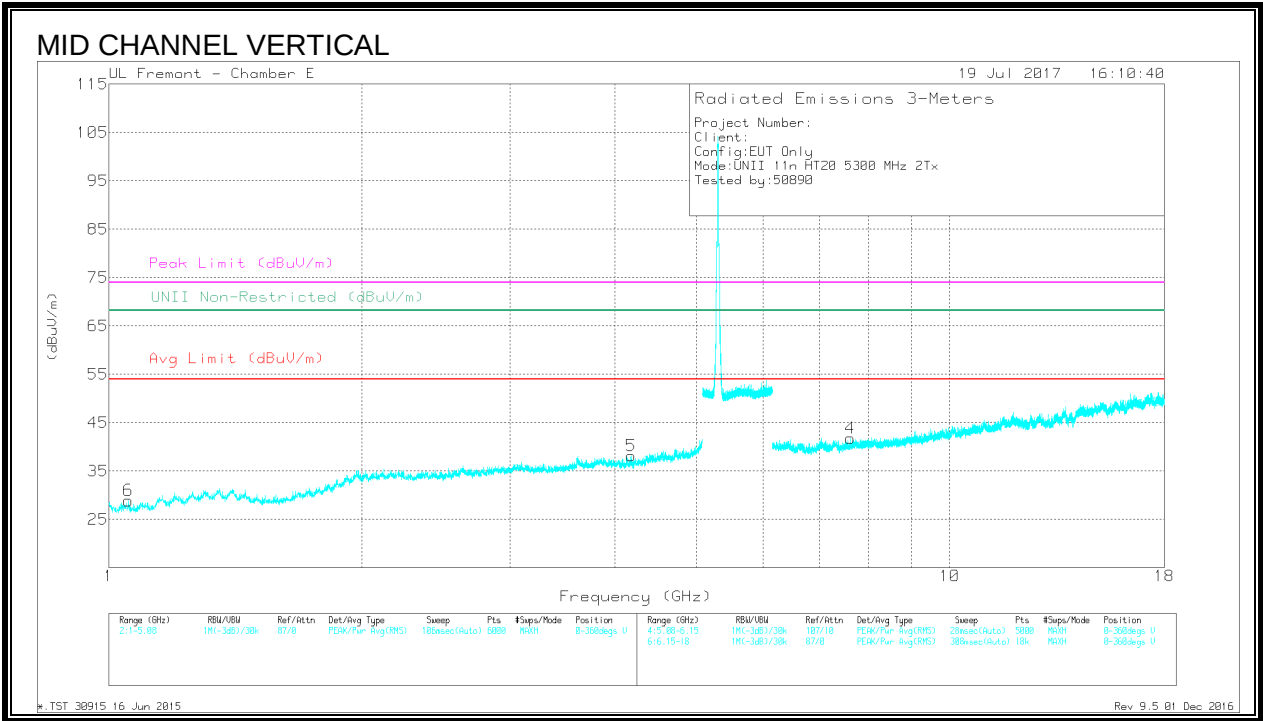
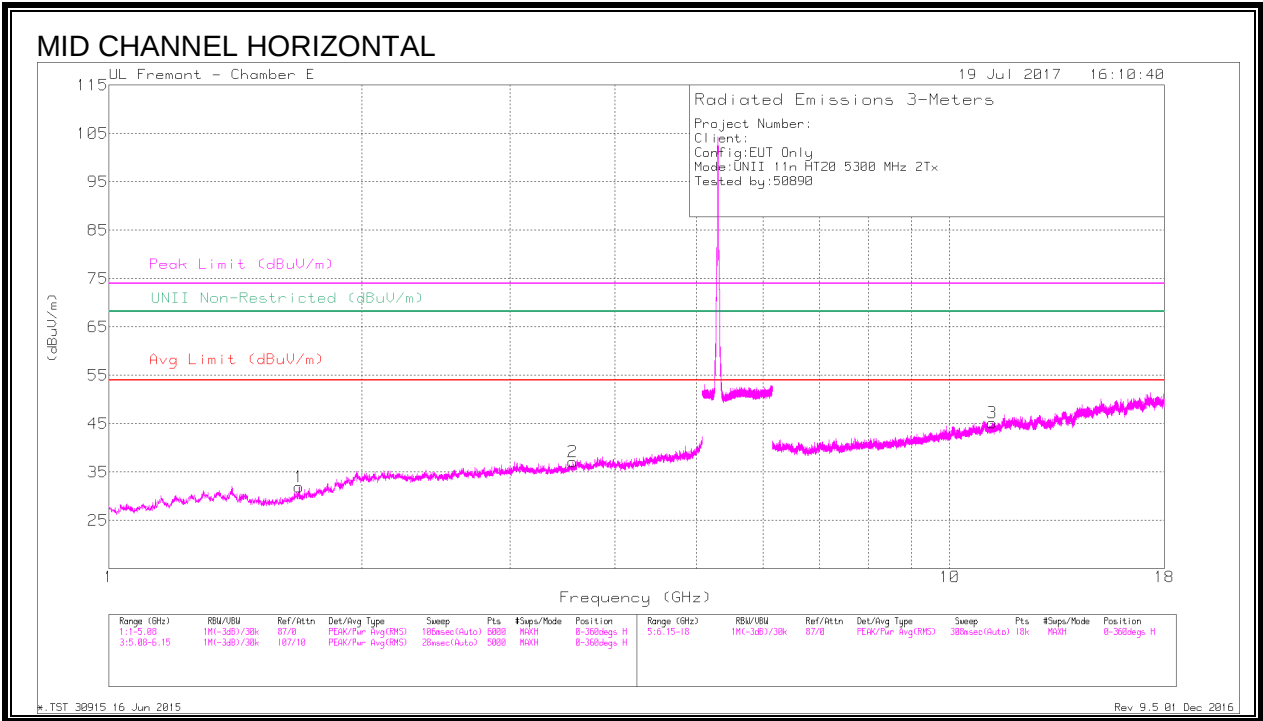
Frequen cy (GHz)	Meter Readin g (dBuV)	Det	AF T346 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	Correct ed Readin g (dBuV/ m)	Avg Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	UNII Non- Restrict ed (dBuV/ m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.827	41.81	PK-U	32.7	-31.5	43.01	-	-	74	-30.99	-	-	335	115	H
* 2.826	30.09	ADR	32.7	-31.5	31.29	54	-22.71	-	-	-	-	335	115	H
* 4.215	41.27	PK-U	33.7	-29.6	45.37	-	-	74	-28.63	-	-	310	128	H
* 4.215	29.61	ADR	33.7	-29.6	33.71	54	-20.29	-	-	-	-	310	128	H
* 3.913	41.31	PK-U	33.7	-30.4	44.61	-	-	74	-29.39	-	-	275	154	V
* 3.916	30.48	ADR	33.7	-30.5	33.68	54	-20.32	-	-	-	-	275	154	V
* 3.79	41.13	PK-U	33.6	-30.1	44.63	-	-	74	-29.37	-	-	238	139	V
* 3.79	30.16	ADR	33.6	-30.1	33.66	54	-20.34	-	-	-	-	238	139	V
* 1.447	44.24	PK-U	28.2	-34.5	37.94	-	-	74	-36.06	-	-	201	161	V
* 1.448	32.57	ADR	28.2	-34.5	26.27	54	-27.73	-	-	-	-	201	161	V
* 11.006	36.17	PK-U	38.5	-22.4	52.27	-	-	74	-21.73	-	-	157	186	H
* 11.009	25.05	ADR	38.5	-22.4	41.15	54	-12.85	-	-	-	-	157	186	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

Rev 9.5 01 Dec 2016



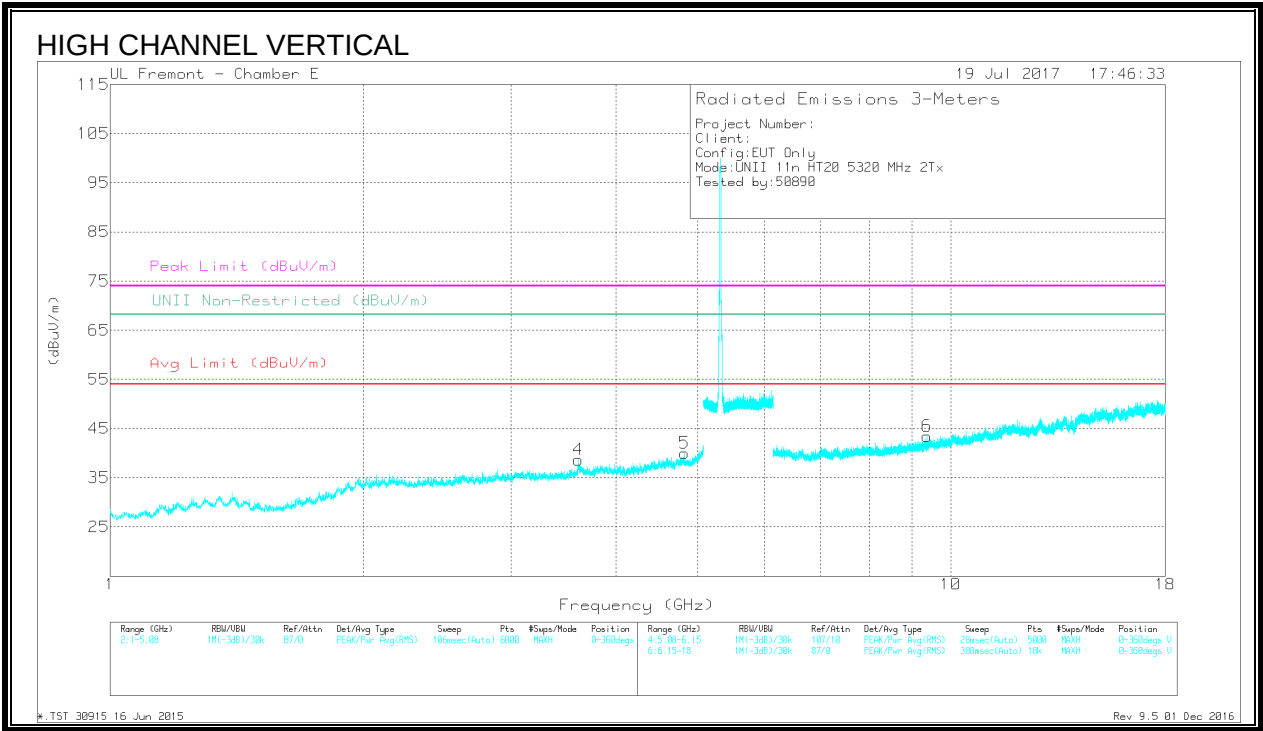
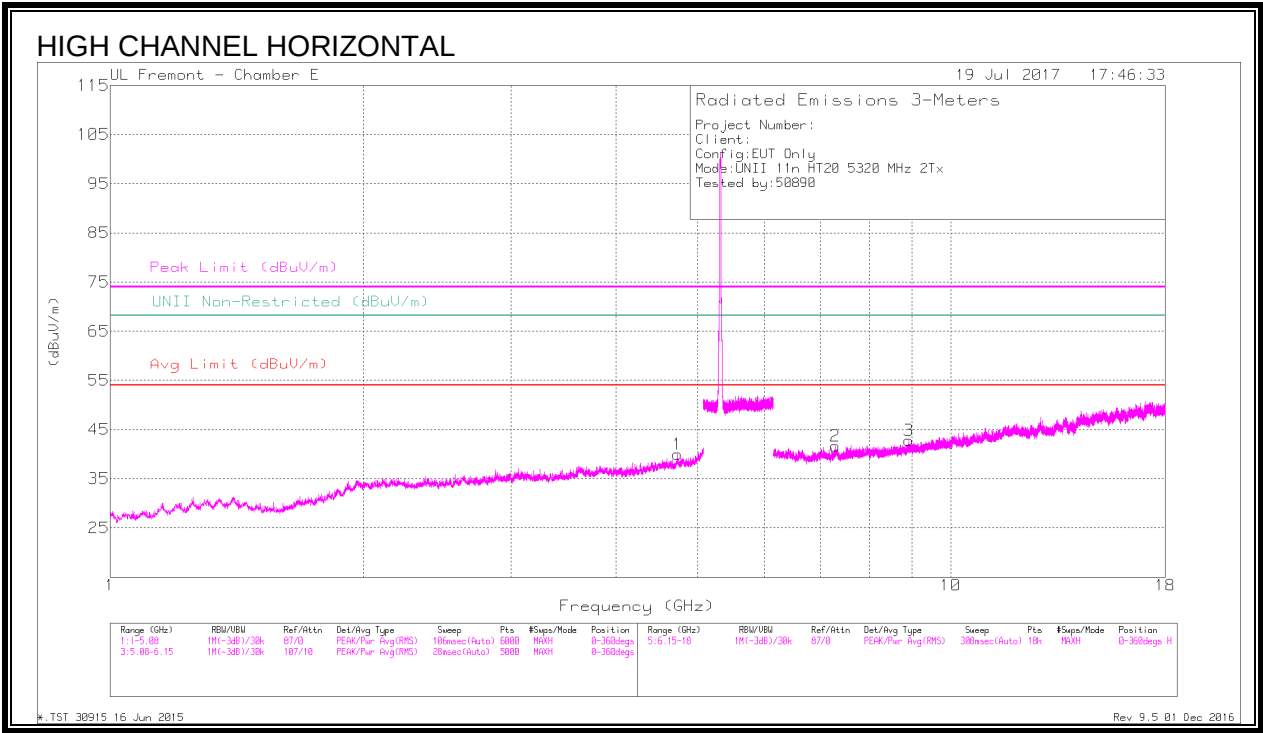
Marker s	Frequen cy (GHz)	Meter Readin g (dBuV)	Det	AF T346 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	Correct ed Readin g (dBuV/ m)	Avg Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	UNII Non- Restrict ed (dBuV/ m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.685	43.17	PK-U	28.1	-33	38.27	-	-	74	-35.73	-	-	17	113	H
	* 1.684	31.52	ADR	28.1	-33	26.62	54	-27.38	-	-	-	-	17	113	H
2	* 3.564	41.2	PK-U	33.2	-30	44.4	-	-	74	-29.6	-	-	46	127	H
	* 3.565	29.11	ADR	33.2	-30	32.31	54	-21.69	-	-	-	-	46	127	H
5	* 4.177	41.76	PK-U	33.7	-29.9	45.56	-	-	74	-28.44	-	-	73	146	V
	* 4.179	30.25	ADR	33.7	-29.9	34.05	54	-19.95	-	-	-	-	73	146	V
6	* 1.054	45.96	PK-U	26.4	-35.8	36.56	-	-	74	-37.44	-	-	88	162	V
	* 1.054	33.54	ADR	26.4	-35.8	24.14	54	-29.86	-	-	-	-	88	162	V
3	* 11.236	36.57	PK-U	38.6	-23.9	51.27	-	-	74	-22.73	-	-	124	181	H
	* 11.239	25.66	ADR	38.6	-23.9	40.36	54	-13.64	-	-	-	-	124	181	H
4	* 7.618	38.55	PK-U	36.3	-26.7	48.15	-	-	74	-25.85	-	-	151	203	V
	* 7.621	27.29	ADR	36.3	-26.7	36.89	54	-17.11	-	-	-	-	151	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

Rev 9.5 01 Dec 2016



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cb/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	* 4.734	40.75	PK-U	34.4	-28.5	46.65	-	-	74	-27.35	-	-	220	100	H
	* 4.734	28.29	ADR	34.4	-28.5	34.19	54	-19.81	-	-	-	-	220	100	H
4	* 3.608	41.13	PK-U	33.3	-30.2	44.23	-	-	74	-29.77	-	-	57	206	V
	* 3.609	29.1	ADR	33.3	-30.2	32.2	54	-21.8	-	-	-	-	57	206	V
5	* 4.822	41.68	PK-U	34.4	-28.5	47.58	-	-	74	-26.42	-	-	337	389	V
	* 4.82	29.04	ADR	34.4	-28.5	34.94	54	-19.06	-	-	-	-	337	389	V
2	* 7.29	38.76	PK-U	36	-25.7	49.06	-	-	74	-24.94	-	-	286	191	H
	* 7.29	25.75	ADR	36	-25.7	36.05	54	-17.95	-	-	-	-	286	191	H
6	* 9.372	37.79	PK-U	37.2	-25.6	49.39	-	-	74	-24.61	-	-	56	362	V
	* 9.37	25.88	ADR	37.2	-25.6	37.48	54	-16.52	-	-	-	-	56	362	V
3	8.921	38.25	PK-U	36.9	-25.5	49.65	-	-	-	-	68.2	-18.55	191	300	H
	8.921	26.14	ADR	36.9	-25.5	37.54	-	-	-	-	-	-	191	300	H

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

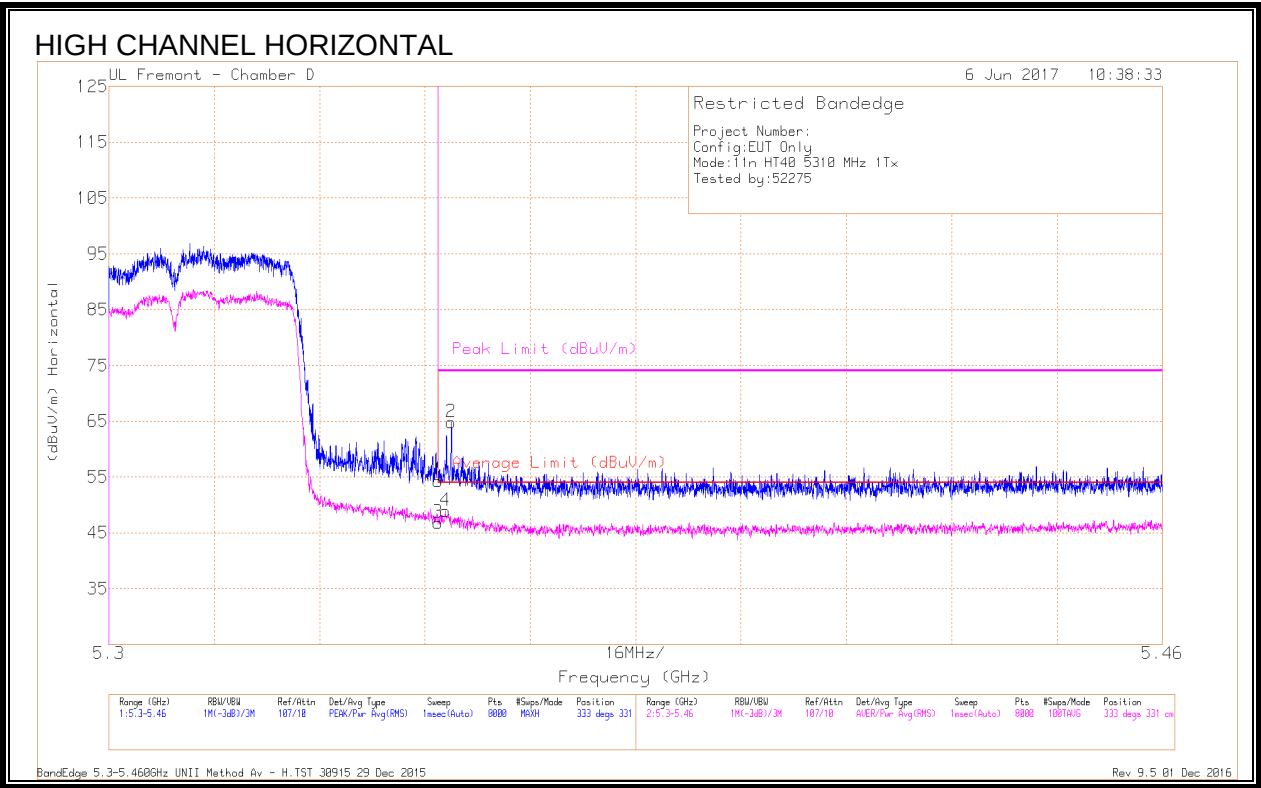
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

Rev 9.5 01 Dec 2016

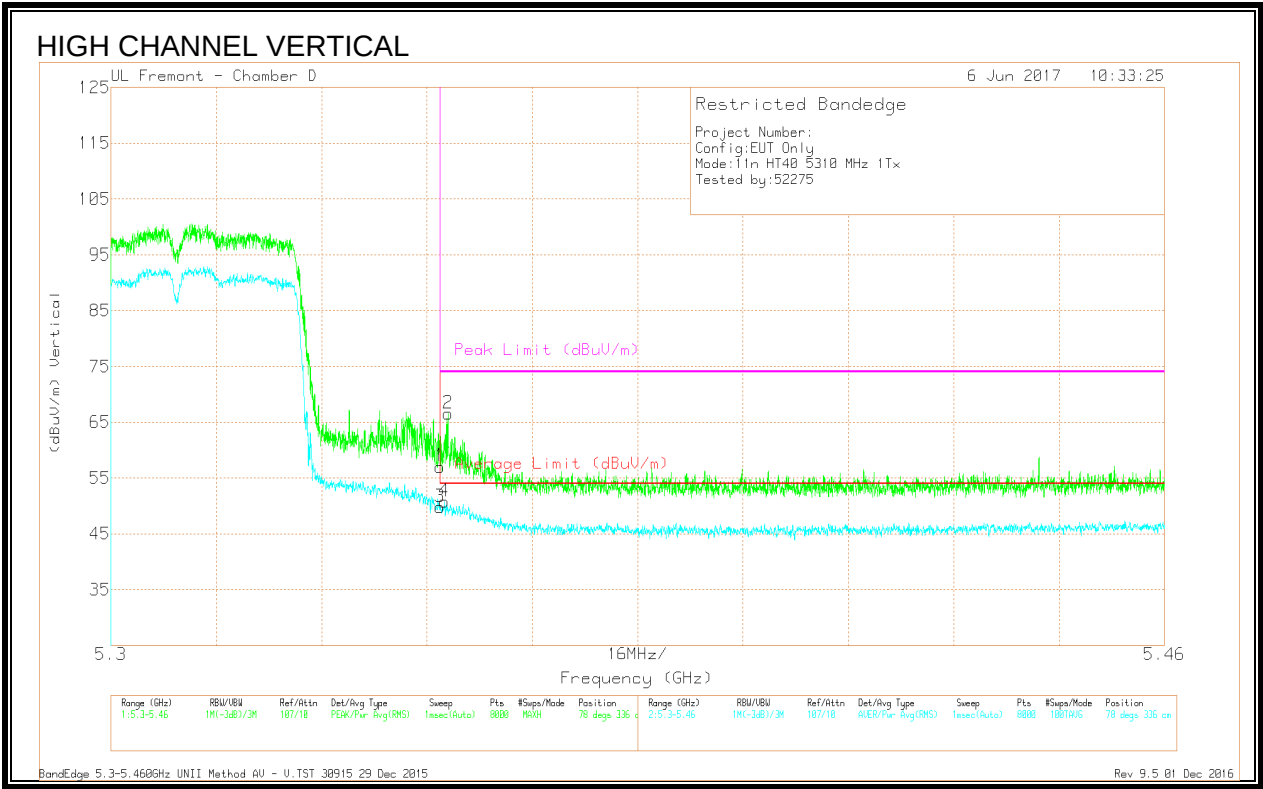
9.1.13. 11n HT40 UAT 2 SISO MODE IN THE 5.3GHZ BAND

AUTHORIZED BANDEDGE (HIGH CHANNEL)



Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	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	* 5.35	38.04	Pk	34.6	-18.4	0	54.24	-	-	74	-19.76	333	331	H
2	* 5.352	48.62	Pk	34.6	-18.4	0	64.82	-	-	74	-9.18	333	331	H
3	* 5.35	30.51	RMS	34.6	-18.4	.1	46.81	54	-7.17	-	-	333	331	H
4	* 5.351	32.56	RMS	34.6	-18.4	.1	48.87	54	-5.12	-	-	333	331	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 T120 (dBm)	Amp/Cbl/Fitr/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	40.86	Pk	34.6	-18.4	0	57.06	-	-	74	-16.94	78	336	V
2	* 5.351	50.3	Pk	34.6	-18.4	0	66.5	-	-	74	-7.5	78	336	V
3	* 5.35	33.51	RMS	34.6	-18.4	.1	49.81	54	-4.19	-	-	78	336	V
4	* 5.351	34.49	RMS	34.6	-18.4	.1	50.79	54	-3.19	-	-	78	336	V

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

Pk - Peak detector

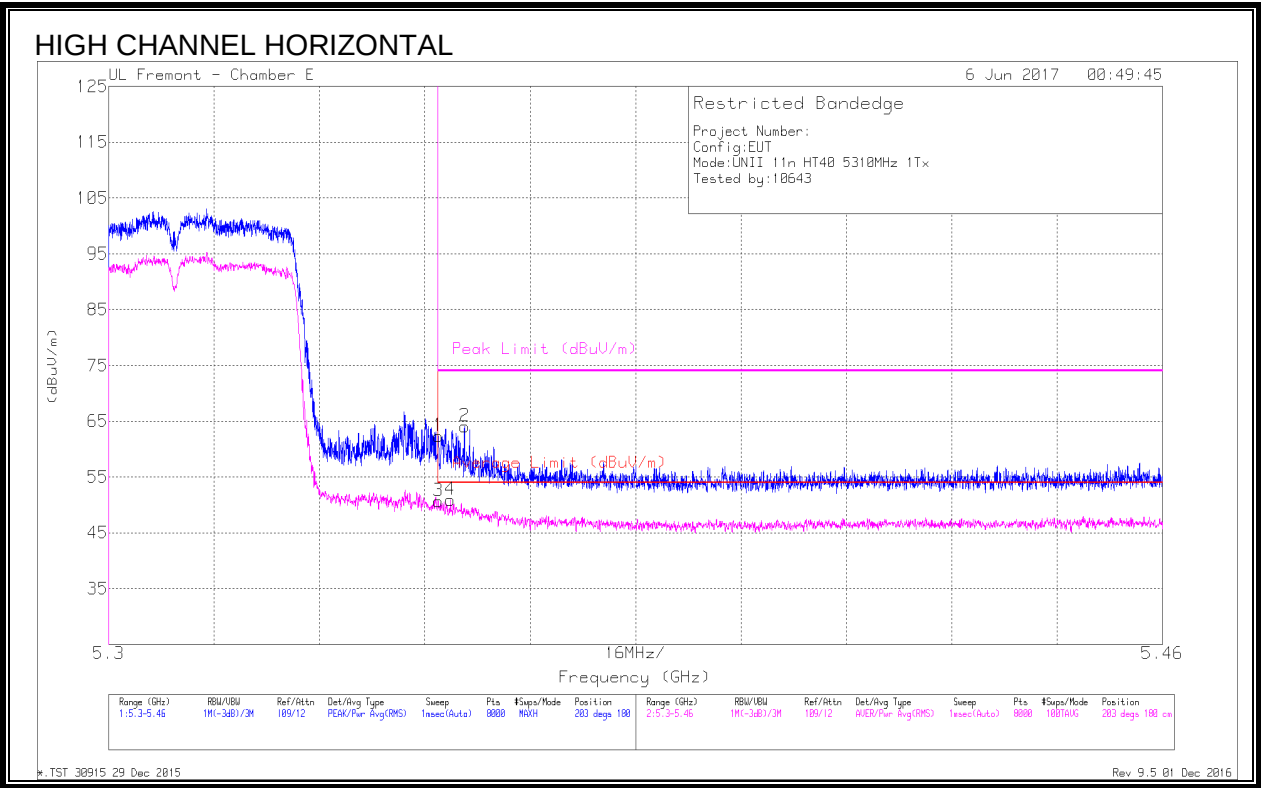
RMS - RMS detection

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)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (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	* 5.35	46.44	PK	35.2	-19.3	0	62.34	-	-	74	-11.66	203	180	H
2	* 5.354	48.21	PK	35.2	-19.3	0	64.11	-	-	74	-9.89	203	180	H
3	* 5.35	34.71	RMS	35.2	-19.3	.1	50.71	54	-3.29	-	-	203	180	H
4	* 5.352	34.98	RMS	35.2	-19.3	.1	50.98	54	-3.02	-	-	203	180	H

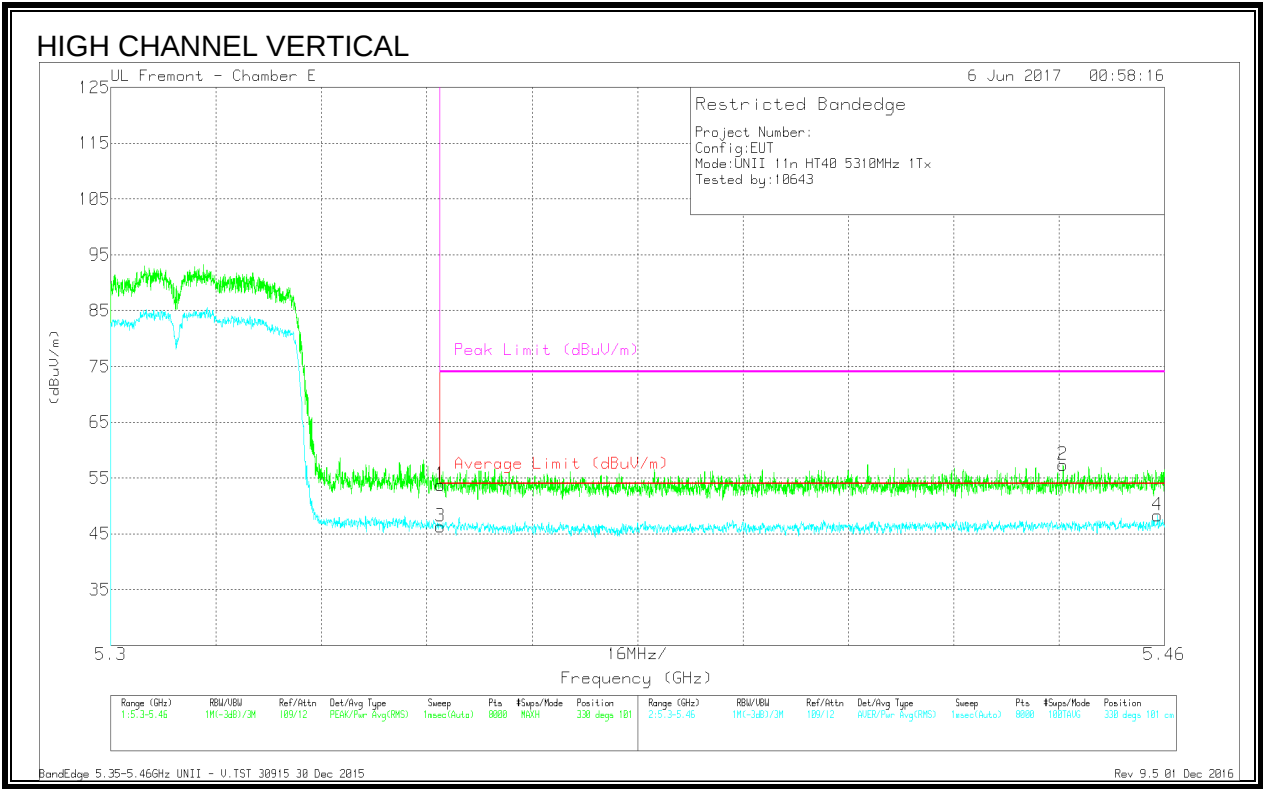
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

*.TST 30915 29 Dec 2015

Rev 9.5 01 Dec 2016



Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (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	37.82	Pk	35.2	-19.3	0	53.72	-	-	74	-20.28	330	101	V
2	* 5.445	41.56	Pk	35.1	-19.3	0	57.36	-	-	74	-16.64	330	101	V
3	* 5.35	30.4	RMS	35.2	-19.3	.1	46.2	54	-7.8	-	-	330	101	V
4	* 5.459	32.49	RMS	35.1	-19.3	.1	48.39	54	-5.61	-	-	330	101	V

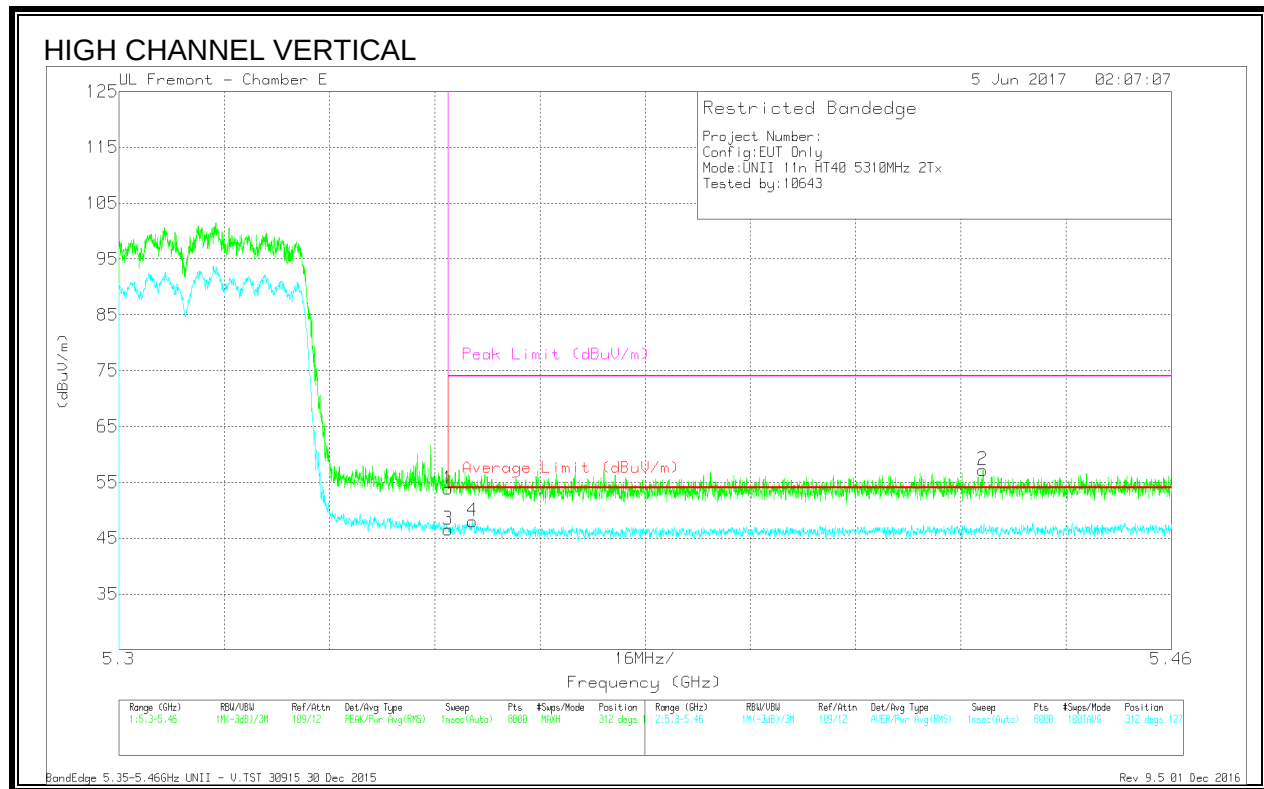
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BandEdge 5.35-5.46GHz UNII - V.TST 30915 30 Dec 2015

Rev 9.5 01 Dec 2016



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	37.96	Pk	35.2	-19.3	0	53.86	-	-	74	-20.14	312	127	V
2	* 5.431	41.42	Pk	35.1	-19.3	0	57.22	-	-	74	-16.78	312	127	V
3	* 5.35	30.67	RMS	35.2	-19.3	.1	46.67	54	-7.33	-	-	312	127	V
4	* 5.354	32.15	RMS	35.2	-19.3	.1	48.15	54	-5.05	-	-	312	127	V

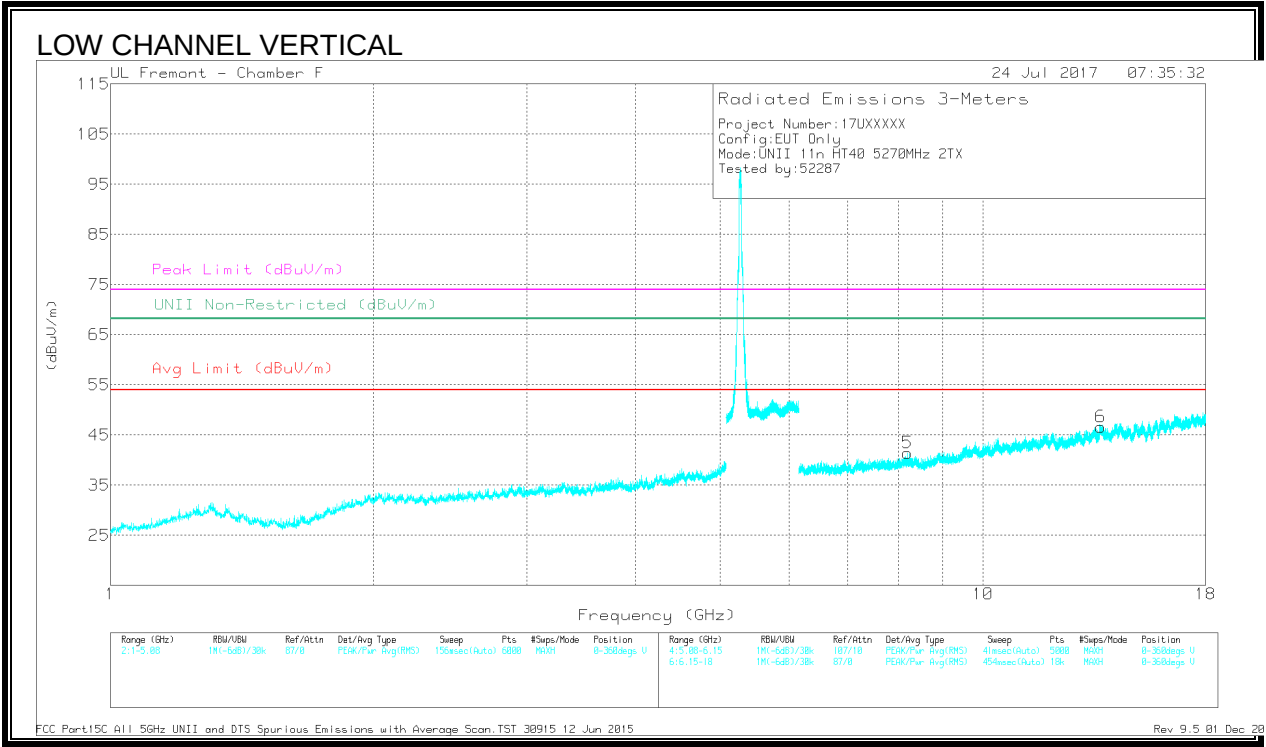
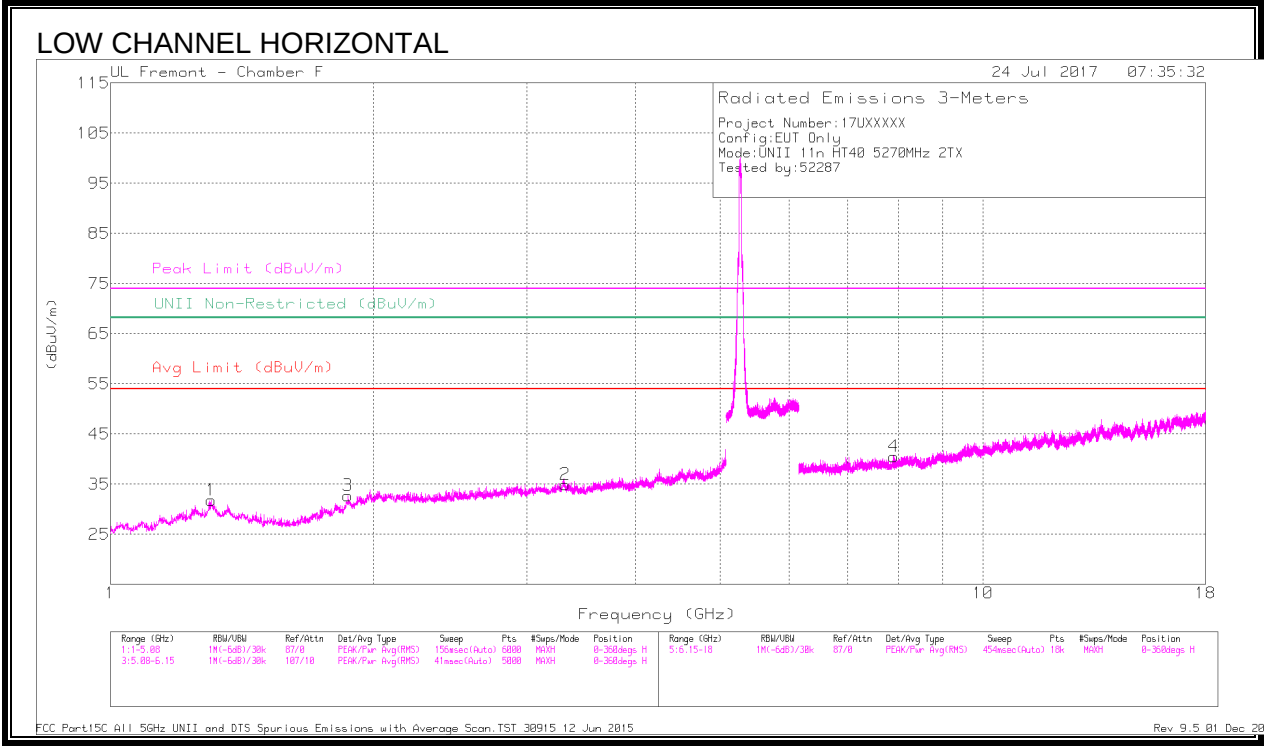
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BandEdge 5.35-5.46GHz UNII - V.TST 30915 30 Dec 2015

Rev 9.5 01 Dec 2016



Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl /Fitr/Pa d (dB)	DC Corr (dB)	Correcte d Reading (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
* 1.304	40.01	PK-U	30.1	-31.5	0	38.61	-	-	74	-35.39	-	-	106	282	H
* 1.304	27.55	ADR	30.1	-31.5	.1	26.25	54	-27.75	-	-	-	-	106	282	H
3.321	38.48	PK-U	33.6	-29.7	0	42.38	-	-	-	-	68.2	-25.82	216	113	H
3.318	26.1	ADR	33.6	-29.6	.1	30.2	-	-	-	-	-	-	216	113	H
1.871	38.76	PK-U	30.8	-31	0	38.56	-	-	-	-	68.2	-29.64	226	173	H
1.872	26.96	ADR	30.8	-31	.1	26.86	-	-	-	-	-	-	226	173	H
7.903	34.71	PK-U	35.9	-24.1	0	46.51	-	-	-	-	68.2	-21.69	2	326	H
7.906	22.84	ADR	35.9	-24.2	.1	34.64	-	-	-	-	-	-	2	326	H
* 8.2	34.47	PK-U	36.2	-23.8	0	46.87	-	-	74	-27.13	-	-	156	371	V
* 8.2	22.62	ADR	36.2	-23.8	.1	35.12	54	-18.88	-	-	-	-	156	371	V
13.651	35.47	PK-U	39.3	-21.7	0	53.07	-	-	-	-	68.2	-15.13	345	209	V
13.651	23.91	ADR	39.3	-21.7	.1	41.61	-	-	-	-	-	-	345	209	V

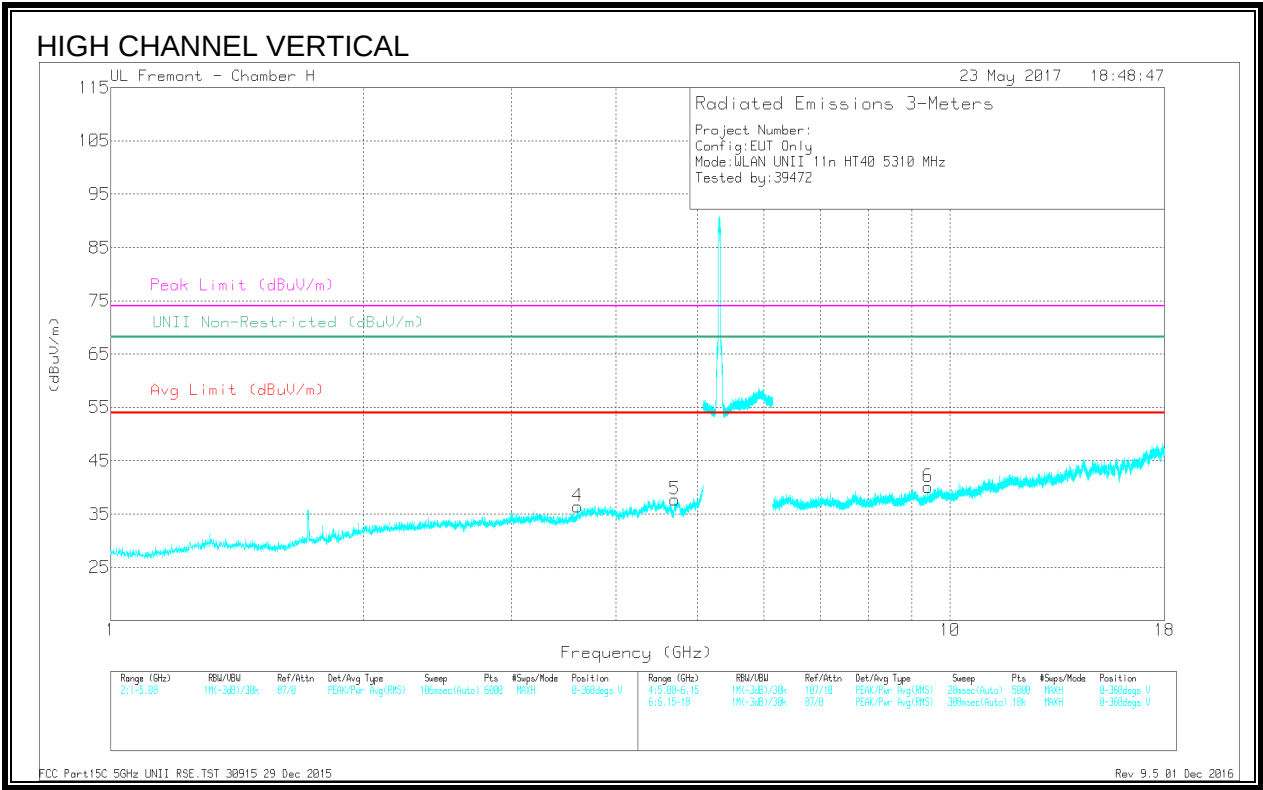
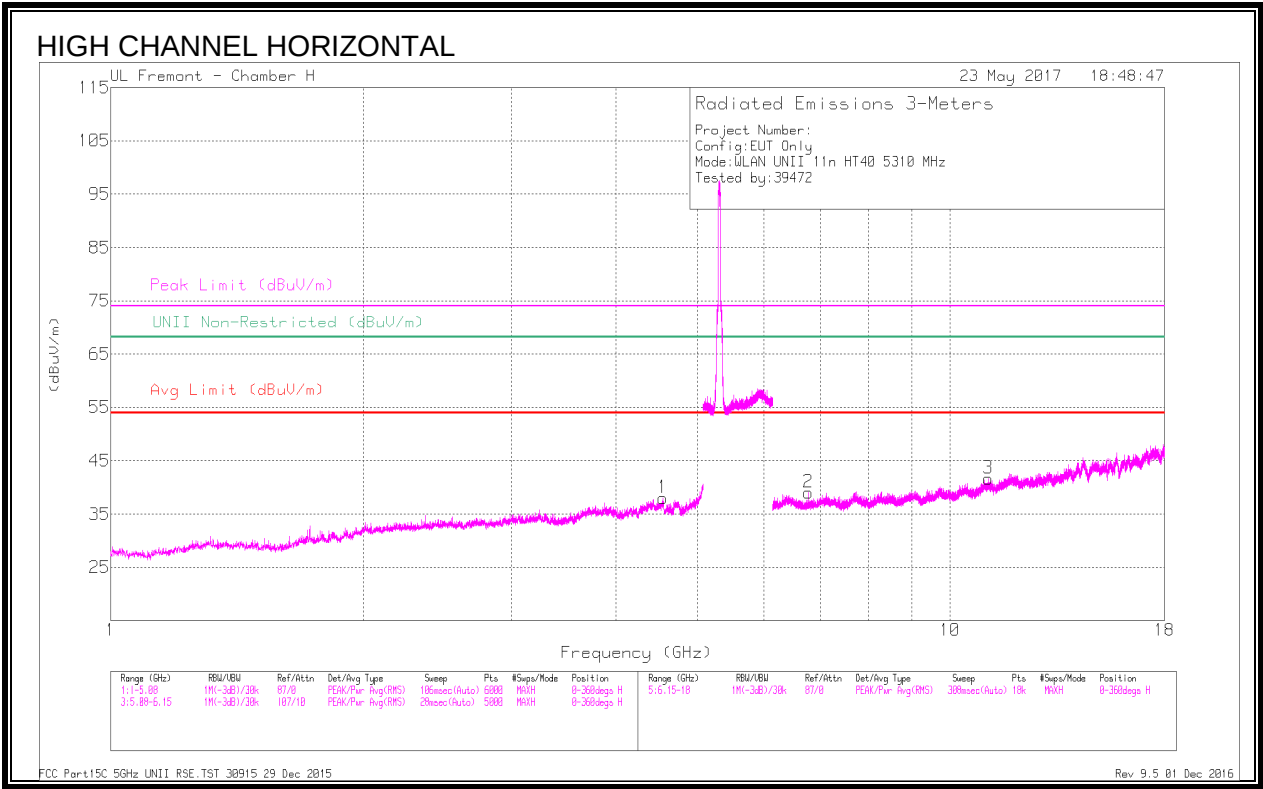
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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



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)	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	* 4.554	45.09	PK-U	34.3	-34.9	0	44.49	-	-	74	-29.51	-	-	296	243	H
	* 4.554	34.08	ADR	34.3	-34.9	.1	33.58	54	-20.42	-	-	-	-	296	243	H
2	6.777	40.39	PK-U	35.7	-31.7	0	44.39	-	-	-	-	68.2	-23.81	266	222	H
3	* 11.099	37.68	PK-U	38.3	-27.8	0	48.18	-	-	74	-25.82	-	-	161	304	H
	* 11.1	26.48	ADR	38.3	-27.8	.1	37.08	54	-16.92	-	-	-	-	161	304	H
4	* 3.602	45.74	PK-U	33.2	-35.6	0	43.34	-	-	74	-30.66	-	-	231	296	V
	* 3.601	33.81	ADR	33.2	-35.6	.1	31.51	54	-22.49	-	-	-	-	231	296	V
5	* 4.701	44.36	PK-U	34.1	-34.4	0	44.06	-	-	74	-29.94	-	-	249	259	V
	* 4.703	32.01	ADR	34.1	-34.4	.1	31.81	54	-22.19	-	-	-	-	249	259	V
6	* 9.412	38.52	PK-U	36.8	-28.8	0	46.52	-	-	74	-27.48	-	-	324	128	V
	* 9.414	26.11	ADR	36.8	-28.8	.1	34.21	54	-19.79	-	-	-	-	324	128	V

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

PK-U - U-NII: Maximum Peak

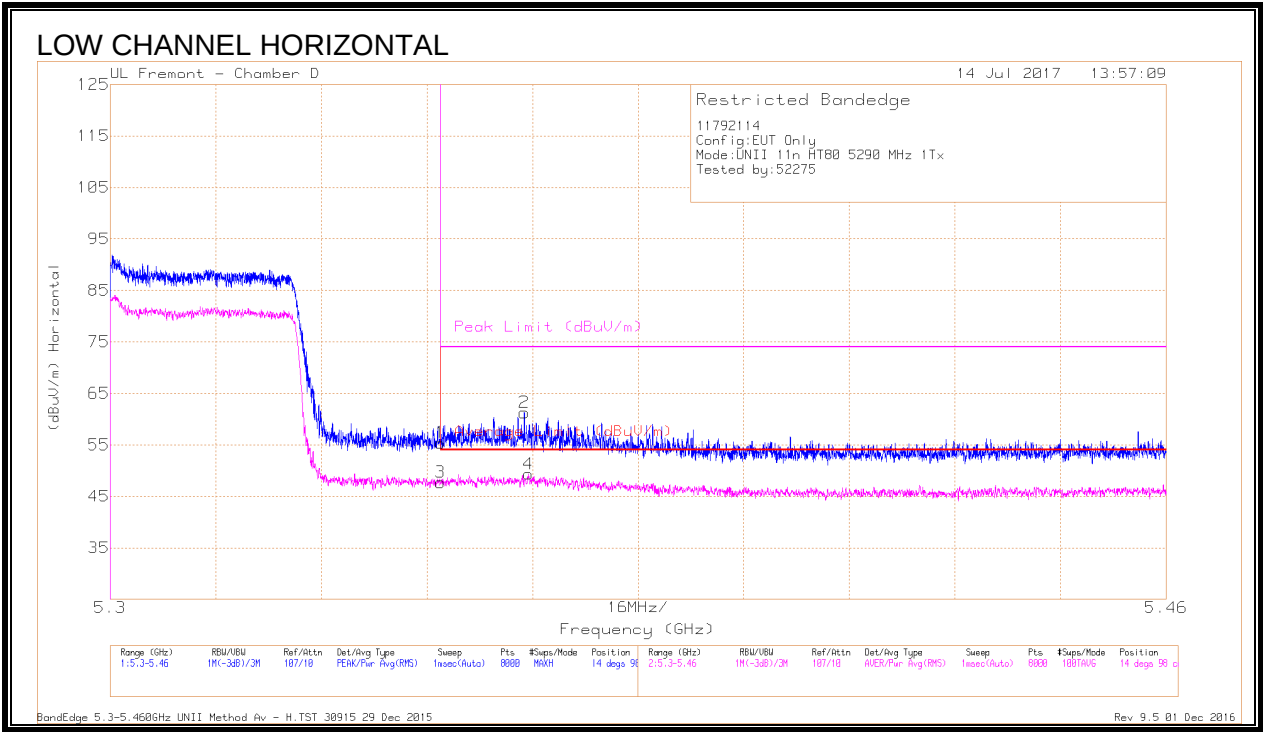
ADR - U-NII AD primary method, RMS average

FCC Part15C 5GHz UNII RSE.TST 30915 29 Dec 2015

Rev 9.5 01 Dec 2016

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

AUTHORIZED BANDEDGE (HIGH CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T11 (dB/m)	Amp/Cb/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 5.35	39.49	PK	34.3	-18.4	0	55.39	-	-	74	-18.61	14	98	H
2	* 5.363	45.37	PK	34.3	-18.4	0	61.27	-	-	74	-12.73	14	98	H
3	* 5.35	31.62	RMS	34.3	-18.4	.19	47.71	54	-6.29	-	-	14	98	H
4	* 5.363	33.25	RMS	34.3	-18.4	.19	49.34	54	-4.66	-	-	14	98	H

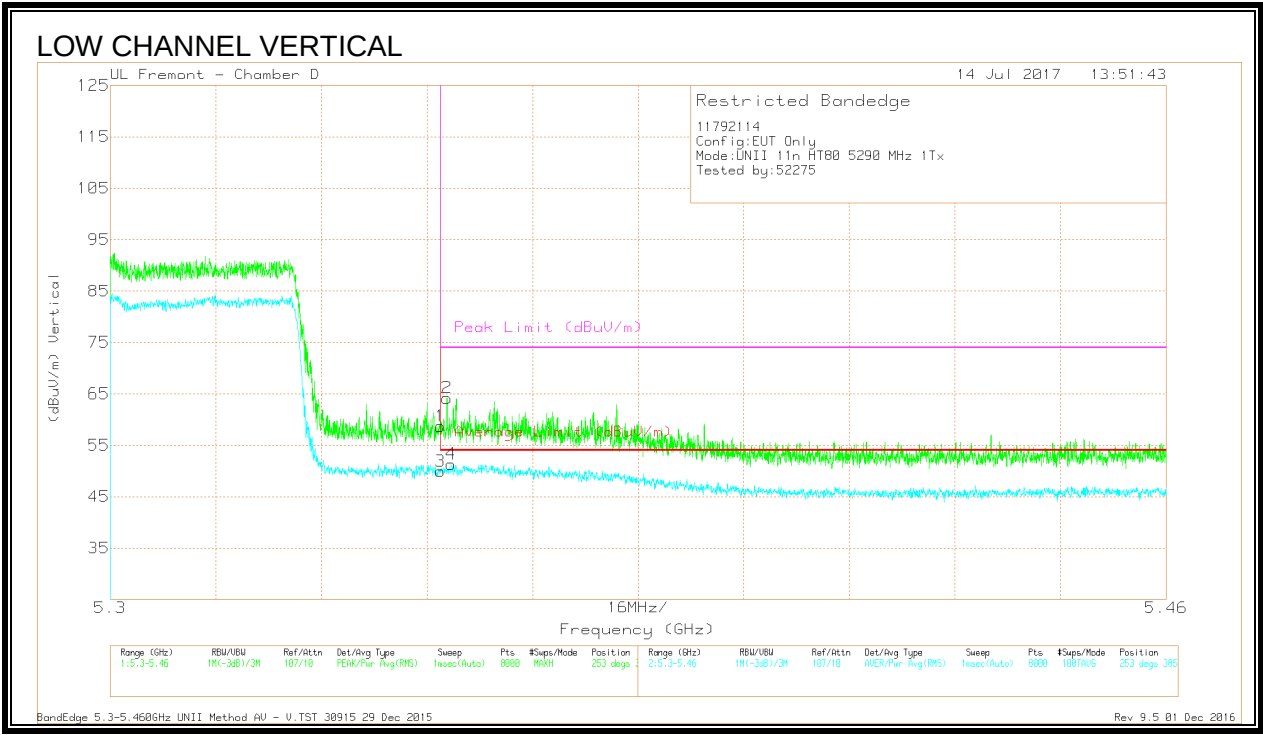
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

BandEdge 5.35-5.46GHz UNII - H.TST 30915 29 Dec 2015

Rev 9.5 01 Dec 2016



Marker	Frequen cy (GHz)	Meter Readin g (dBuV)	Det	AF T711 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	DC Corr (dB)	Correct ed Readin g (dBuV/ m)	Averag e Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimet h (Degs)	Height (cm)	Polarity
1	* 5.35	42.8	Pk	34.3	-18.4	0	58.7	-	-	74	-15.3	253	385	V
2	* 5.351	48.3	Pk	34.3	-18.4	0	64.2	-	-	74	-9.8	253	385	V
3	* 5.35	33.87	RMS	34.3	-18.4	.19	49.96	54	-4.04	-	-	253	385	V
4	* 5.352	35.26	RMS	34.3	-18.4	.19	51.35	54	-2.65	-	-	253	385	V

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

Pk - Peak detector

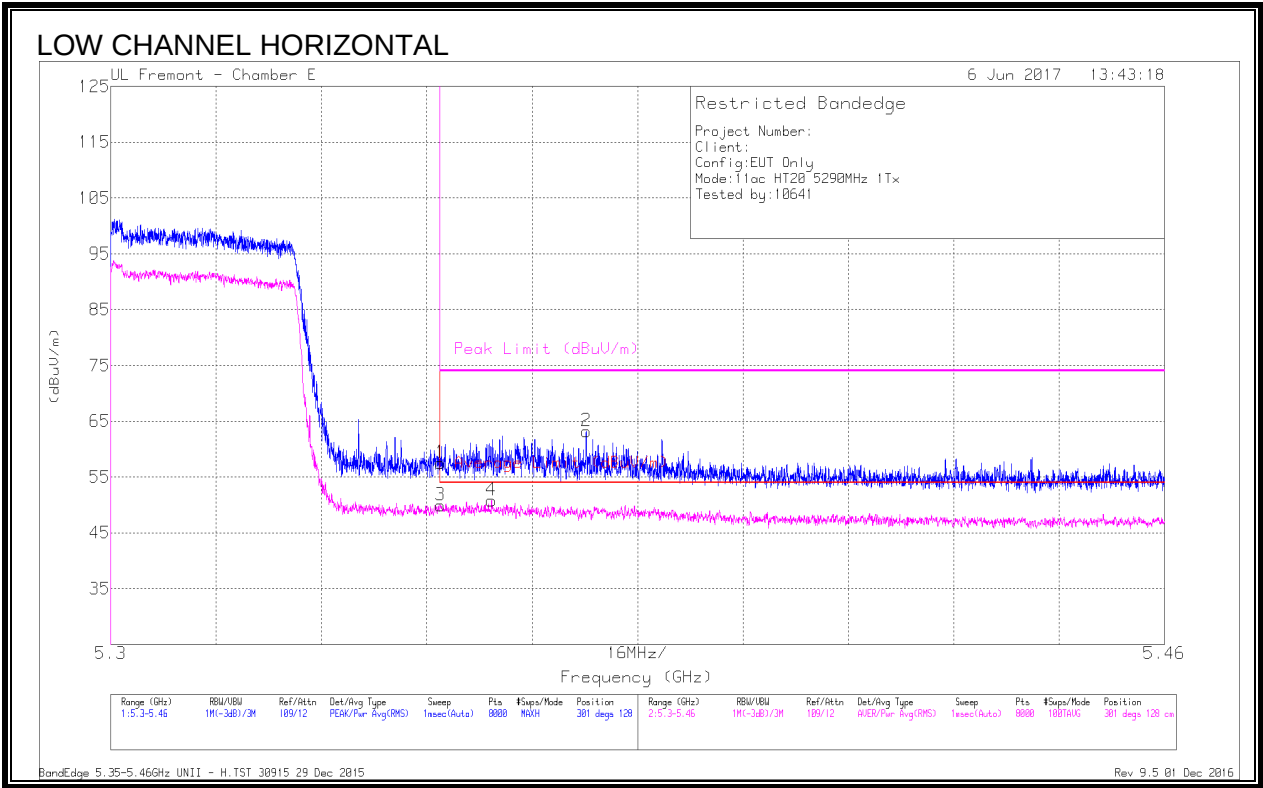
RMS - RMS detection

BandEdge 5.35-5.46GHz UNII - V.TST 30915 30 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)



Marker	Frequ ncy (GHz)	Meter Readin g (dBuV)	Det	AF T136 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	DC Corr (dB)	Correct ed Readin g (dBuV/ m)	Averag e Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimet h (Degs)	Height (cm)	Polarity
1	* 5.35	41.56	Pk	35.2	-19.3	0	57.46	-	-	74	-16.54	301	128	H
3	* 5.35	33.78	RMS	35.2	-19.3	.19	49.88	54	-4.12	-	-	301	128	H
4	* 5.358	34.7	RMS	35.2	-19.3	.19	50.8	54	-3.2	-	-	301	128	H
2	* 5.372	47.4	Pk	35.2	-19.4	0	63.2	-	-	74	-10.8	301	128	H

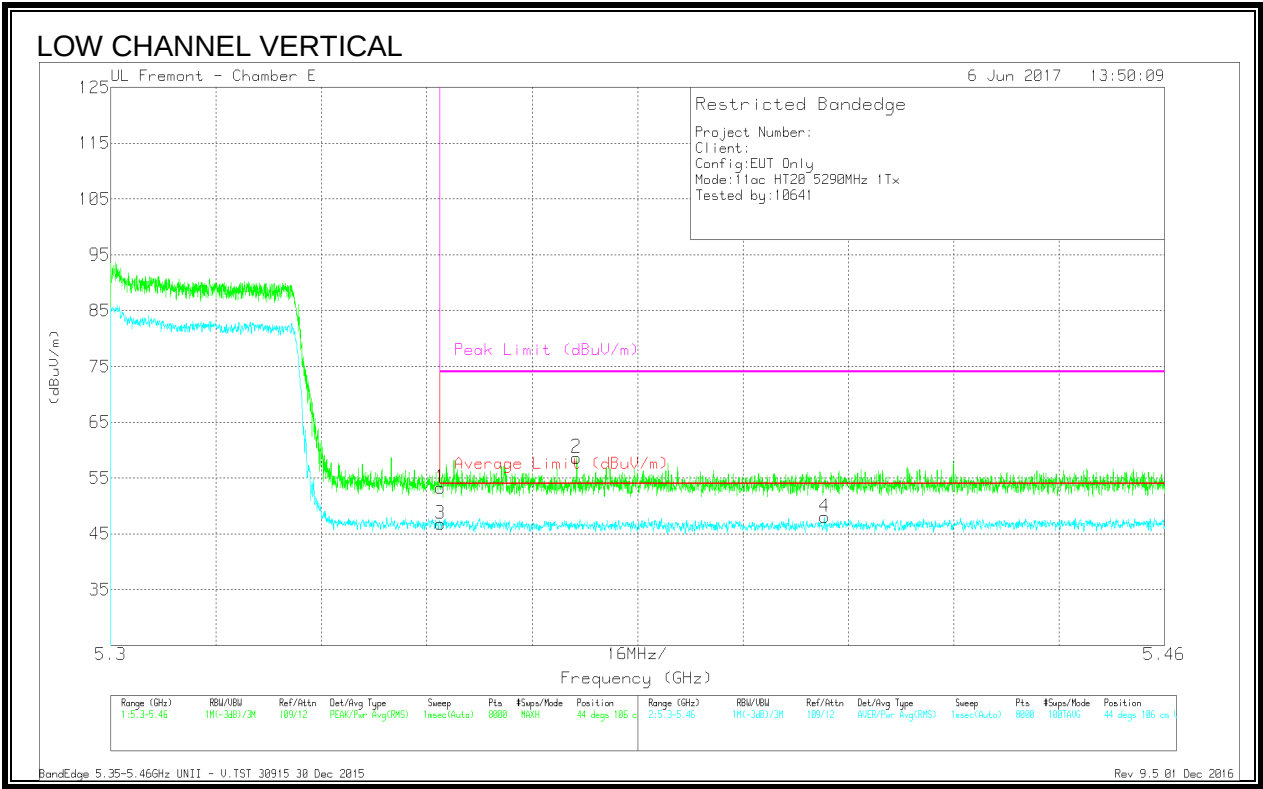
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BandEdge 5.35-5.46GHz UNII - H.TST 30915 29 Dec 2015

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Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AFT136 (dB/m)	Amp/Cb l/Filtr/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	37.38	Pk	35.2	-19.3	0	53.28	-	-	74	-20.72	44	106	V
3	* 5.35	30.72	RMS	35.2	-19.3	.19	46.81	54	-7.19	-	-	44	106	V
2	* 5.371	42.77	Pk	35.2	-19.3	0	58.67	-	-	74	-15.33	44	106	V
4	* 5.408	32.06	RMS	35.1	-19.3	.19	48.05	54	-5.95	-	-	44	106	V

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

Pk - Peak detector

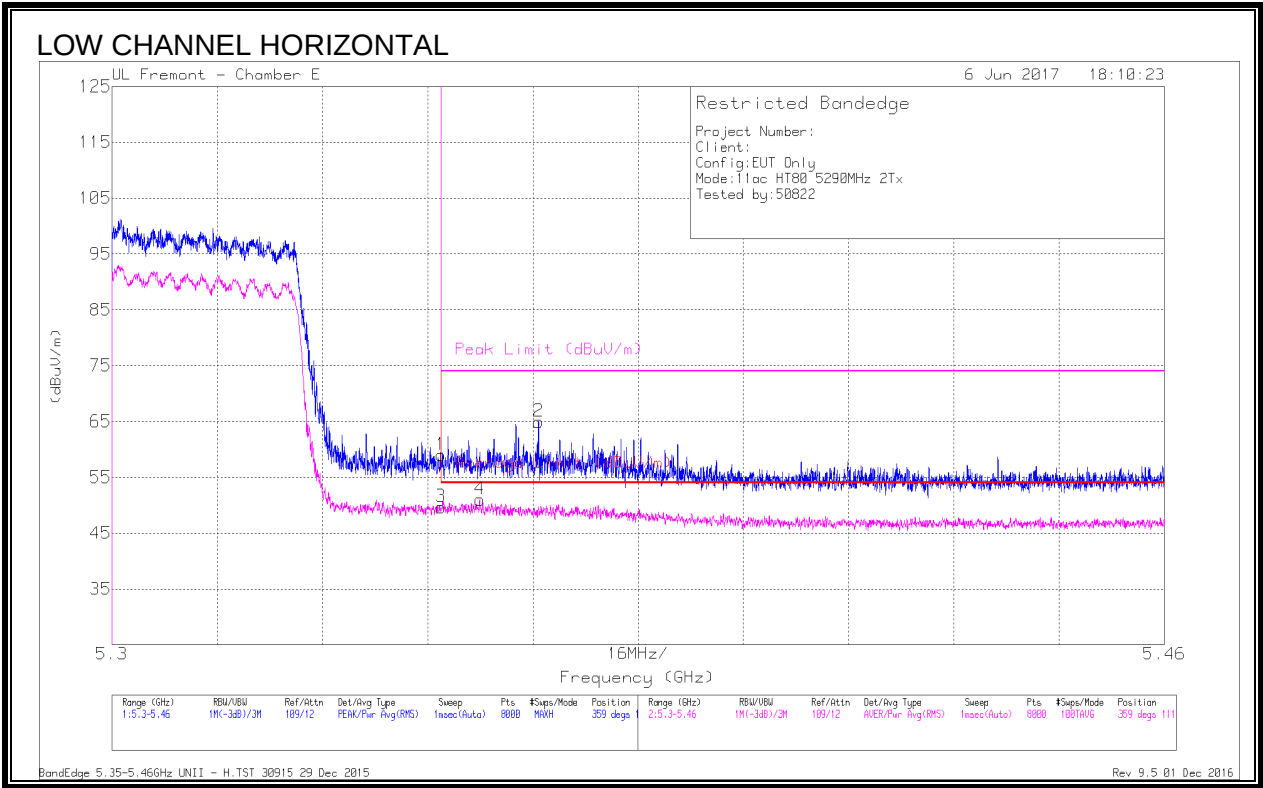
RMS - RMS detection

BandEdge 5.35-5.46GHz UNII - V.TST 30915 30 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 T136 (dB/m)	Amp/Cbl/Ftr/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	* 5.35	43.11	PK	35.2	-19.3	0	59.01	-	-	74	-14.99	359	111	H
2	* 5.365	49.15	PK	35.2	-19.4	0	64.95	-	-	74	-9.05	359	111	H
3	* 5.35	33.77	RMS	35.2	-19.3	.19	49.87	54	-4.13	-	-	359	111	H
4	* 5.356	35.12	RMS	35.2	-19.3	.19	51.22	54	-2.78	-	-	359	111	H

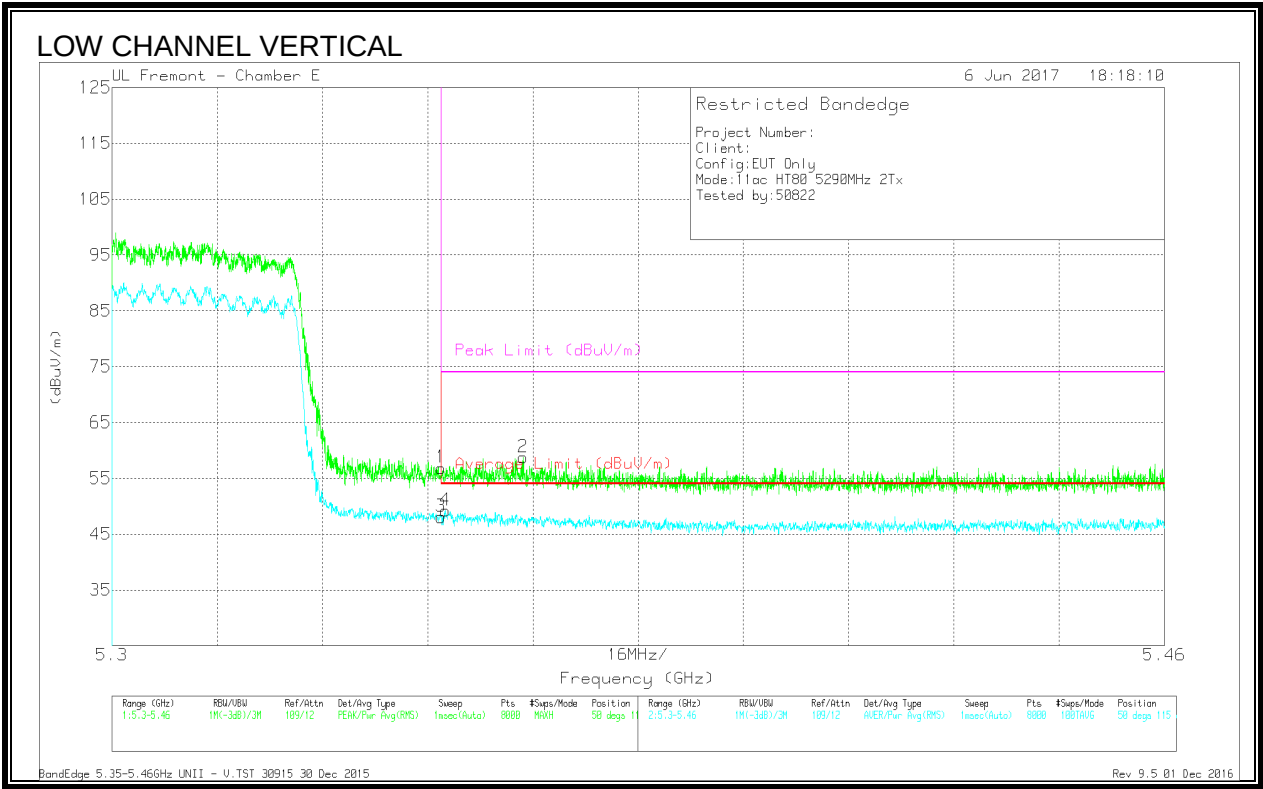
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

BandEdge 5.35-5.46GHz UNII - H.TST 30915 29 Dec 2015

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Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (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	* 5.35	40.96	Pk	35.2	-19.3	0	56.86	-	-	74	-17.14	50	115	V
2	* 5.363	42.93	Pk	35.2	-19.4	0	58.73	-	-	74	-15.27	50	115	V
3	* 5.35	32.19	RMS	35.2	-19.3	.19	48.29	54	-5.71	-	-	50	115	V
4	* 5.351	33.33	RMS	35.2	-19.3	.19	49.43	54	-4.57	-	-	50	115	V

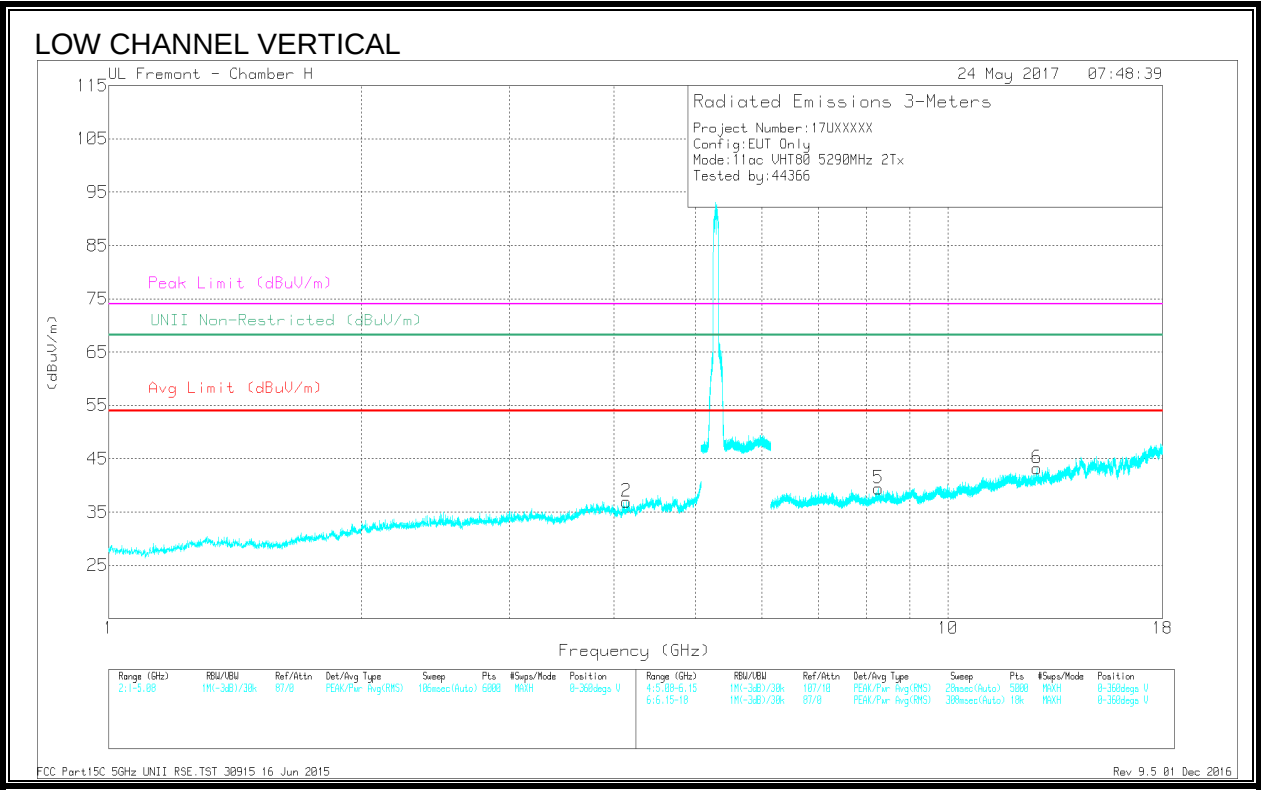
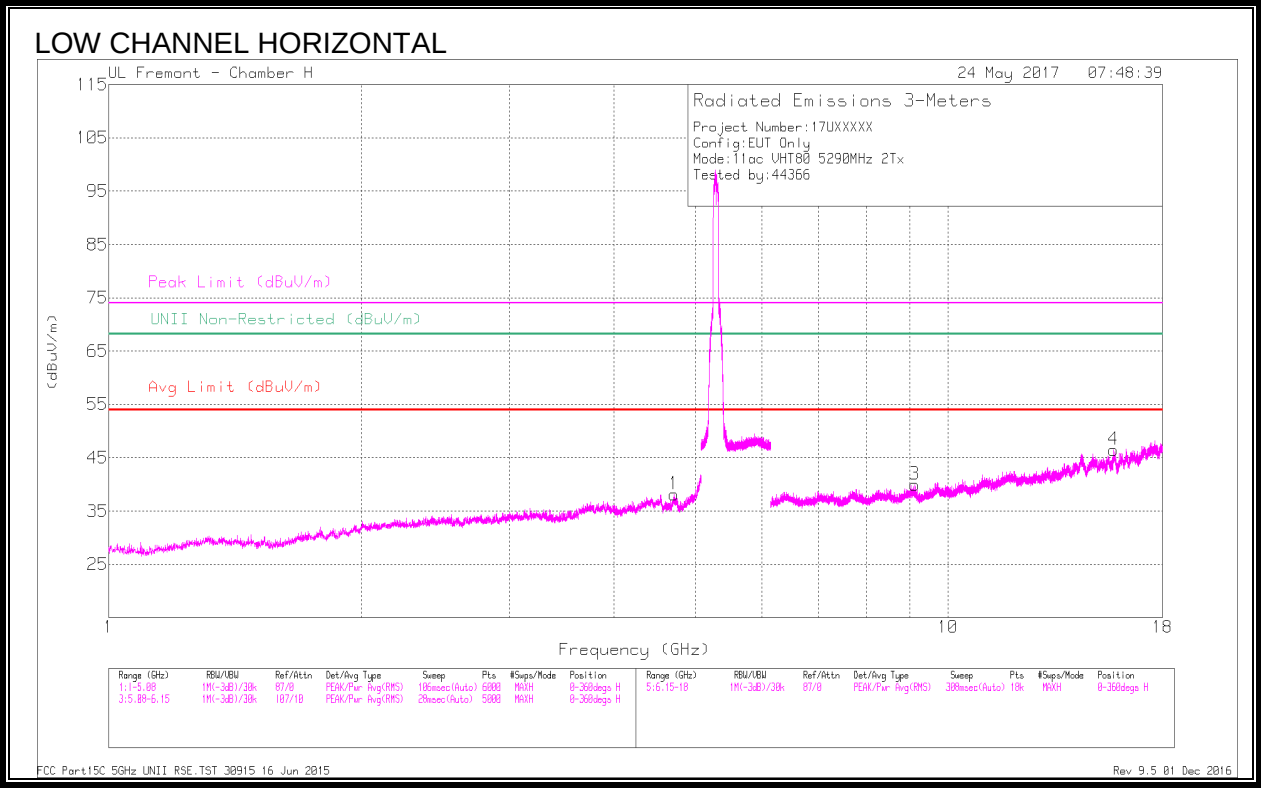
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BandEdge 5.35-5.46GHz UNII - V.TST 30915 30 Dec 2015

Rev 9.5 01 Dec 2016



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.721	44.37	PK-U	34.1	-34.3	0	44.17	-	-	74	-29.83	-	-	212	270	H
	* 4.718	32.2	ADR	34.1	-34.3	.19	32.2	54	-21.8	-	-	-	-	212	270	H
2	* 4.138	44.49	PK-U	33.5	-35.4	0	42.59	-	-	74	-31.41	-	-	228	202	V
	* 4.139	32.92	ADR	33.5	-35.4	.19	31.22	54	-22.78	-	-	-	-	228	202	V
3	* 9.13	38.09	PK-U	36.5	-28.9	0	45.69	-	-	74	-28.31	-	-	19	151	H
	* 9.128	26.43	ADR	36.5	-28.9	.19	34.23	54	-19.77	-	-	-	-	19	151	H
4	* 15.734	35.58	PK-U	41.3	-24.1	0	52.78	-	-	74	-21.22	-	-	0	328	H
	* 15.732	24.32	ADR	41.2	-24.2	.19	41.52	54	-12.48	-	-	-	-	0	328	H
5	* 8.259	38.97	PK-U	36.1	-29.5	0	45.57	-	-	74	-28.43	-	-	223	172	V
	* 8.258	27.14	ADR	36.1	-29.6	.19	33.84	54	-20.16	-	-	-	-	223	172	V
6	12.753	36.03	PK-U	39.3	-26.4	0	48.93	-	-	-	-	68.2	-19.27	137	126	V

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

PK-U - U-NII: Maximum Peak

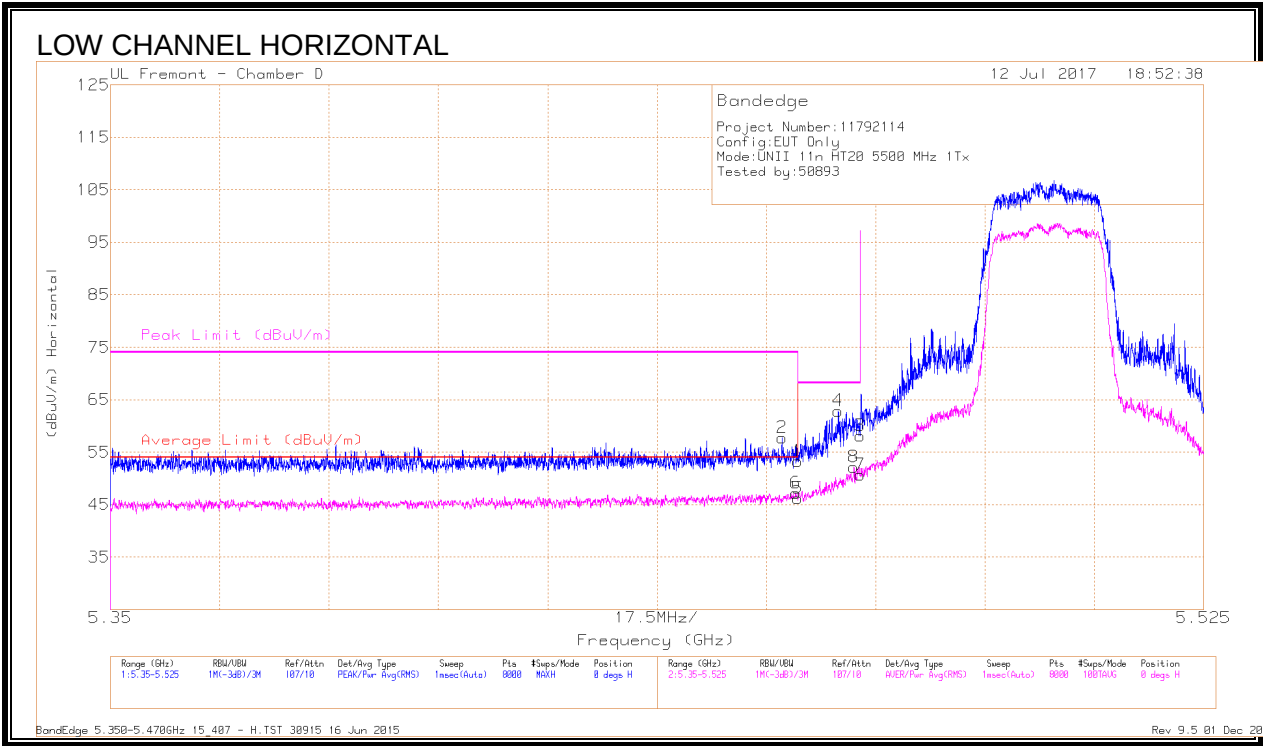
ADR - U-NII AD primary method, RMS average

FCC Part15C 5GHz UNII RSE.TST 30915 16 Jun 2015

Rev 9.5 01 Dec 2016

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

RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.458	41.37	Pk	34.4	-18	57.77	-	-	74	-16.23	0	142	H
1	* 5.46	36.76	Pk	34.4	-17.9	53.26	-	-	74	-20.74	0	142	H
5	* 5.46	29.64	RMS	34.4	-17.9	46.14	54	-7.86	-	-	0	142	H
6	* 5.46	30.75	RMS	34.4	-18	47.15	54	-6.85	-	-	0	142	H
4	5.467	46.39	Pk	34.4	-17.9	62.89	-	-	68.2	-5.31	0	142	H
8	5.469	35.69	RMS	34.4	-17.9	52.19	-	-	-	-	0	142	H
3	5.47	41.59	Pk	34.4	-17.9	58.09	-	-	68.2	-10.11	0	142	H
7	5.47	34.11	RMS	34.4	-17.9	50.61	-	-	-	-	0	142	H

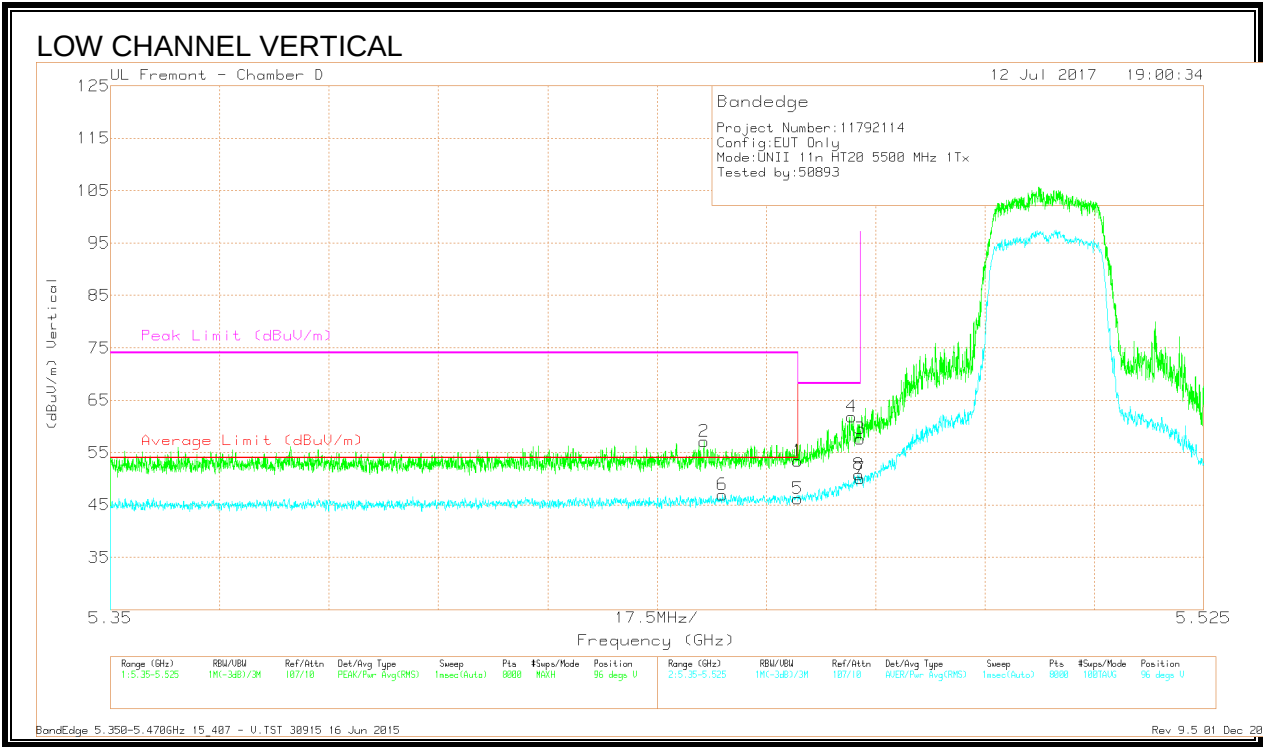
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

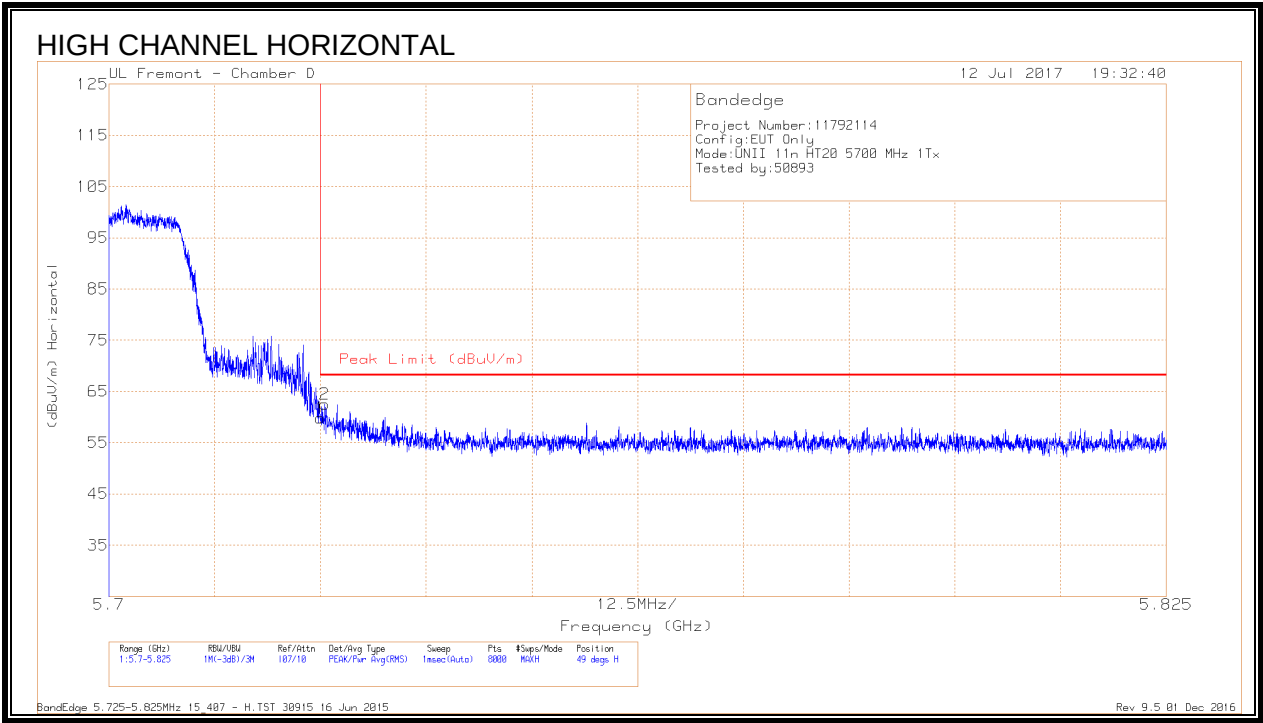
BandEdge 5.350-5.470GHz 15_407 - H.TST 30915 16 Jun 2015

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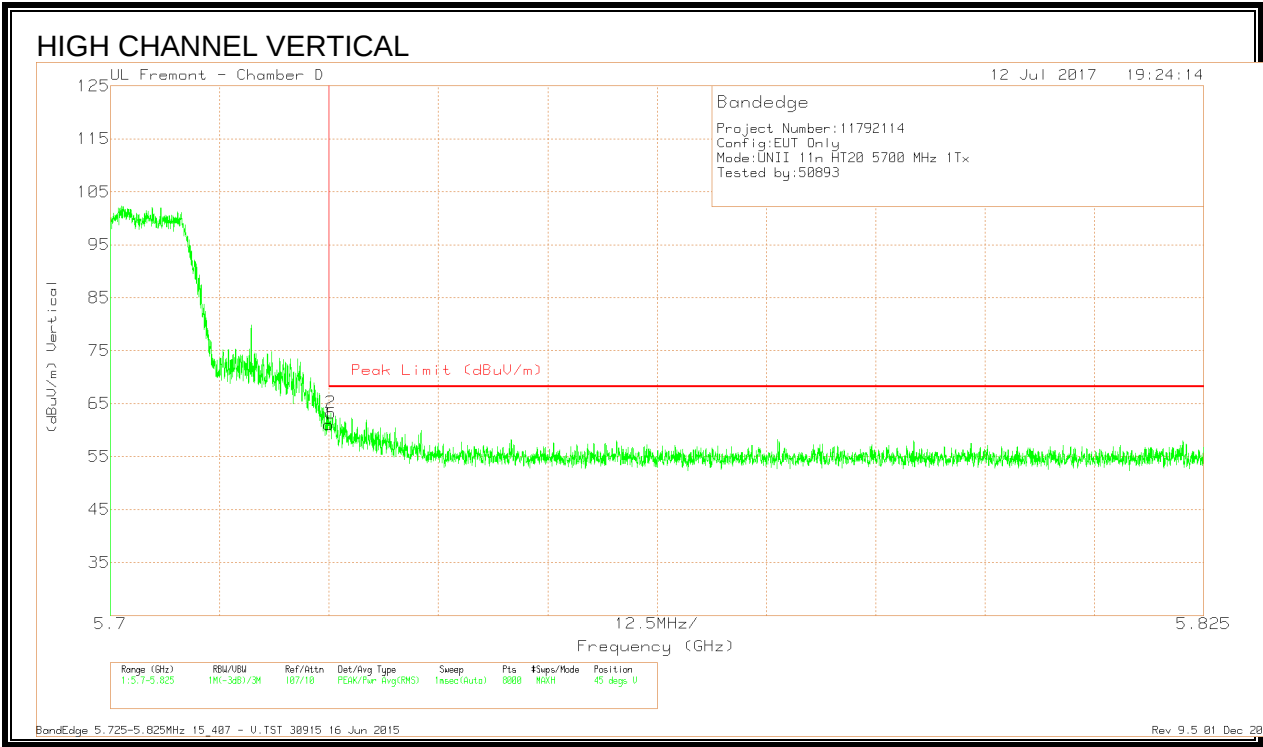
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT711 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.445	40.86	Pk	34.4	-18.1	57.16	-	-	74	-16.84	96	381	V
6	* 5.448	30.6	RMS	34.4	-18.1	46.9	54	-7.1	-	-	96	381	V
1	* 5.46	36.87	Pk	34.4	-17.9	53.37	-	-	74	-20.63	96	381	V
5	* 5.46	29.66	RMS	34.4	-17.9	46.16	54	-7.84	-	-	96	381	V
4	5.469	45.33	Pk	34.4	-17.9	61.83	-	-	68.2	-6.37	96	381	V
3	5.47	41.12	Pk	34.4	-17.9	57.62	-	-	68.2	-10.58	96	381	V
7	5.47	33.54	RMS	34.4	-17.9	50.04	-	-	-	-	96	381	V
8	5.47	34.24	RMS	34.4	-17.9	50.74	-	-	-	-	96	381	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 16 Jun 2015
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Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	42.48	Pk	34.8	-17.5	59.78	68.2	-8.42	49	316	H
2	5.726	45.26	Pk	34.8	-17.5	62.56	68.2	-5.64	49	316	H

Pk - Peak detector
*.TST 30915 21 Mar 2016
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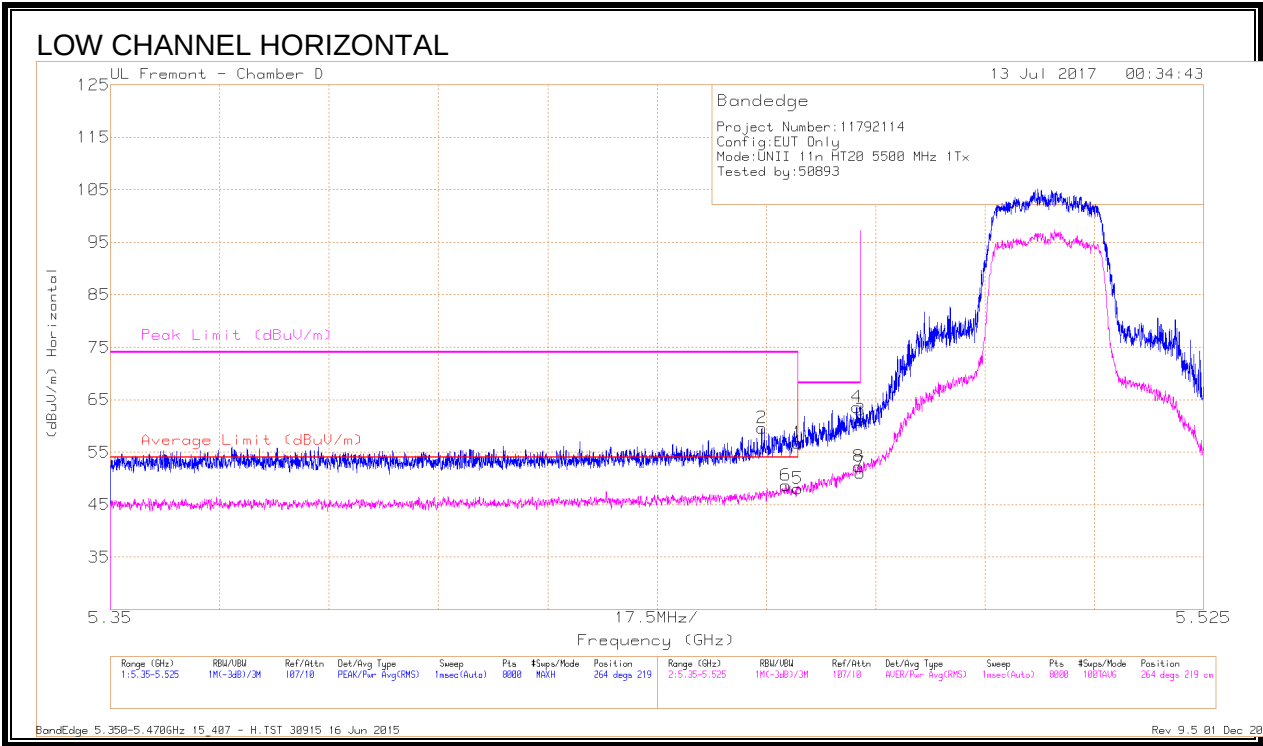


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cbl/Fil r/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	43.7	Pk	34.8	-17.5	61	68.2	-7.2	45	351	V
2	5.725	45.98	Pk	34.8	-17.5	63.28	68.2	-4.92	45	351	V

Pk - Peak detector
BandEdge 5.725-5.825MHz 15_407 - V.TST 30915 21 Mar 2016
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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	AFT711 (dB/m)	Amp/Cbl/Ftr/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	* 5.454	43.19	Pk	34.4	-18	59.59	-	-	74	-14.41	264	219	H
6	* 5.458	32.31	RMS	34.4	-18	48.71	54	-5.29	-	-	264	219	H
1	* 5.46	40.24	Pk	34.4	-17.9	56.74	-	-	74	-17.26	264	219	H
5	* 5.46	31.55	RMS	34.4	-17.9	48.05	54	-5.95	-	-	264	219	H
4	5.469	47.03	Pk	34.4	-17.9	63.53	-	-	68.2	-4.67	264	219	H
3	5.47	44.64	Pk	34.4	-17.9	61.14	-	-	68.2	-7.06	264	219	H
7	5.47	34.58	RMS	34.4	-17.9	51.08	-	-	-	-	264	219	H
8	5.47	35.82	RMS	34.4	-17.9	52.32	-	-	-	-	264	219	H

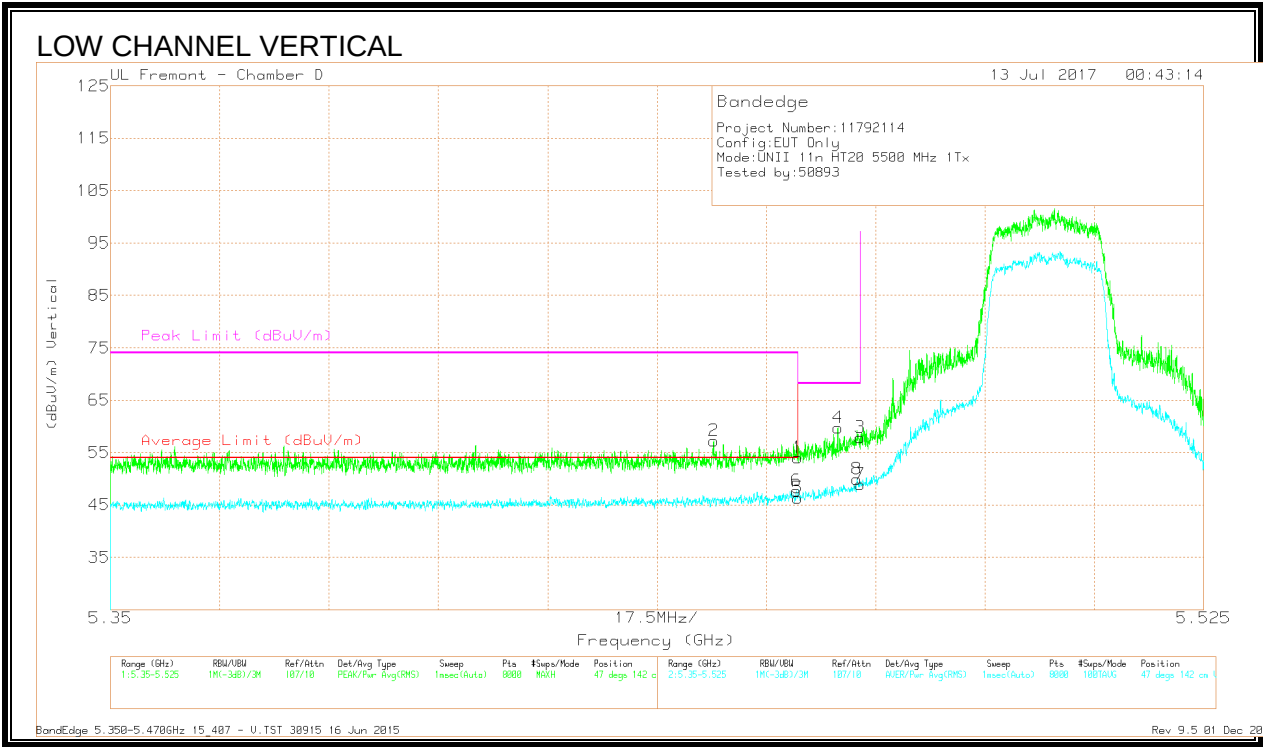
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

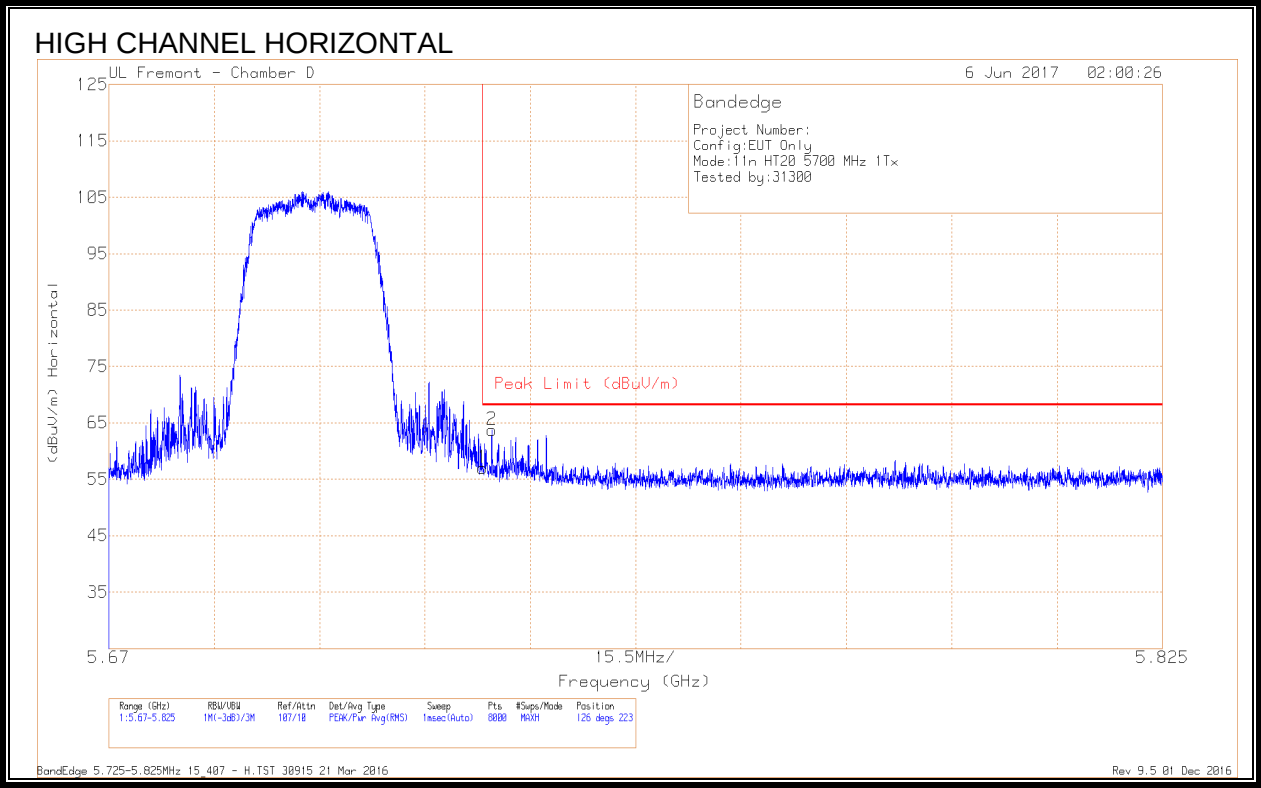
BandEdge 5.350-5.470GHz 15_407 - H.TST 30915 29 Dec 2015

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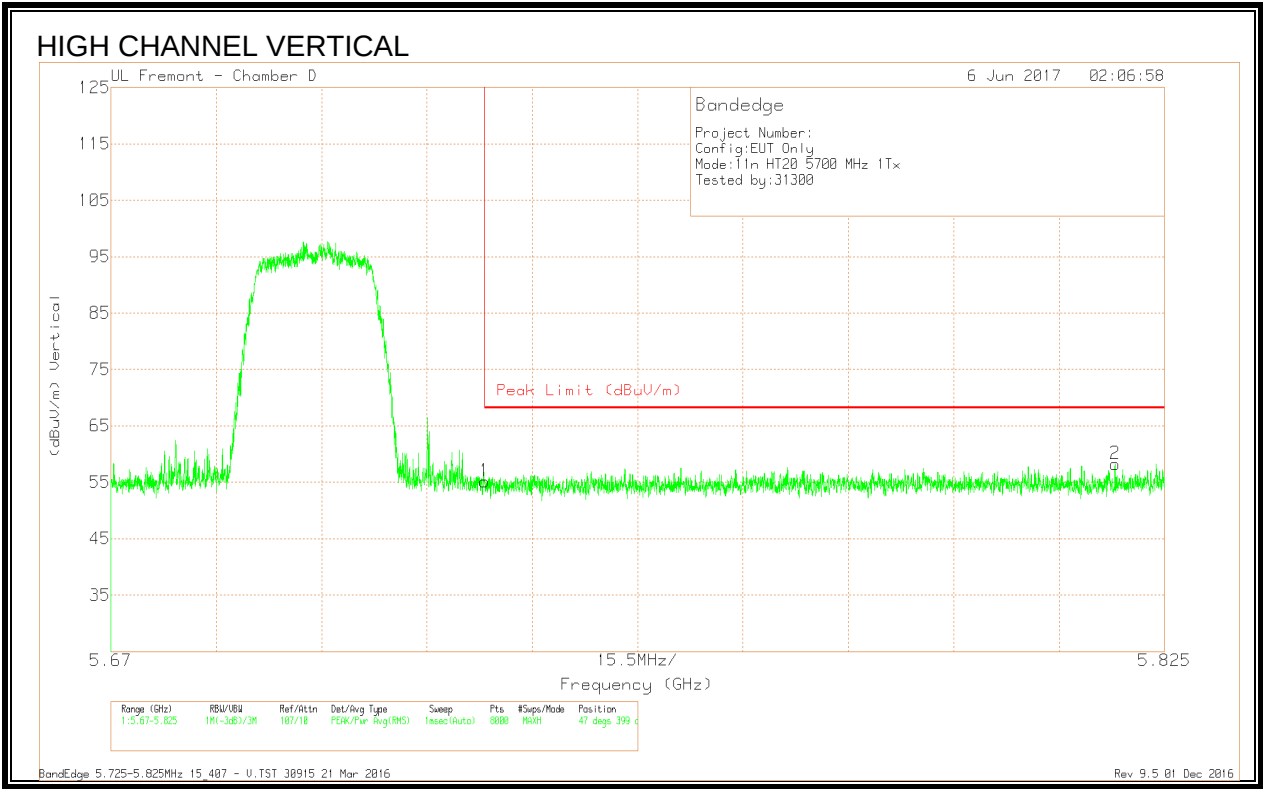
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.447	40.99	Pk	34.4	-18.1	57.29	-	-	74	-16.71	47	142	V
1	* 5.46	37.53	Pk	34.4	-17.9	54.03	-	-	74	-19.97	47	142	V
5	* 5.46	29.83	RMS	34.4	-17.9	46.33	54	-7.67	-	-	47	142	V
6	* 5.46	31.15	RMS	34.4	-17.9	47.65	54	-6.35	-	-	47	142	V
4	5.466	43.23	Pk	34.4	-17.9	59.73	-	-	68.2	-8.47	47	142	V
3	5.47	41.42	Pk	34.4	-17.9	57.92	-	-	68.2	-10.28	47	142	V
7	5.47	32.42	RMS	34.4	-17.9	48.92	-	-	-	-	47	142	V
8	5.47	33.46	RMS	34.4	-17.9	49.96	-	-	-	-	47	142	V

* - 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 T120 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	39.91	Pk	34.6	-17.5	57.01	68.2	-11.19	126	223	H
2	5.726	46.63	Pk	34.6	-17.5	63.73	68.2	-4.47	126	223	H

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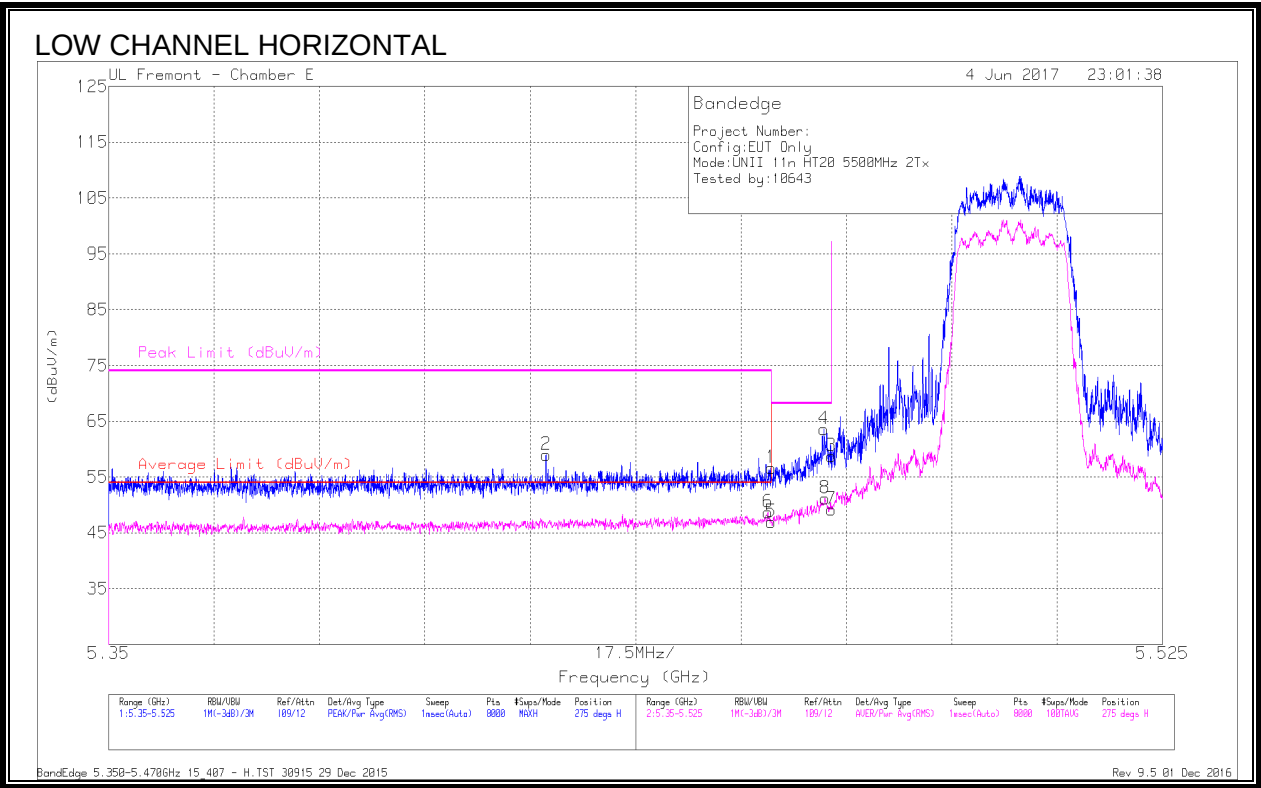


Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Correcte d Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	38.07	Pk	34.6	-17.5	55.17	68.2	-13.03	47	399	V
2	5.818	41.02	Pk	34.9	-17.7	58.22	68.2	-9.98	47	399	V

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

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

RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/F ltr/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	* 5.423	43.1	Pk	35.1	-19.2	59	-	-	74	-15	275	101	H
6	* 5.459	32.83	RMS	35.1	-19.3	48.63	54	-5.37	-	-	275	101	H
1	* 5.46	40.79	Pk	35.1	-19.3	56.59	-	-	74	-17.41	275	101	H
5	* 5.46	31.16	RMS	35.1	-19.3	46.96	54	-7.04	-	-	275	101	H
4	5.469	47.84	Pk	35.1	-19.4	63.54	-	-	68.2	-4.66	275	101	H
8	5.469	35.5	RMS	35.1	-19.4	51.2	-	-	-	-	275	101	H
3	5.47	43.03	Pk	35.1	-19.4	58.73	-	-	68.2	-9.47	275	101	H
7	5.47	33.49	RMS	35.1	-19.4	49.19	-	-	-	-	275	101	H

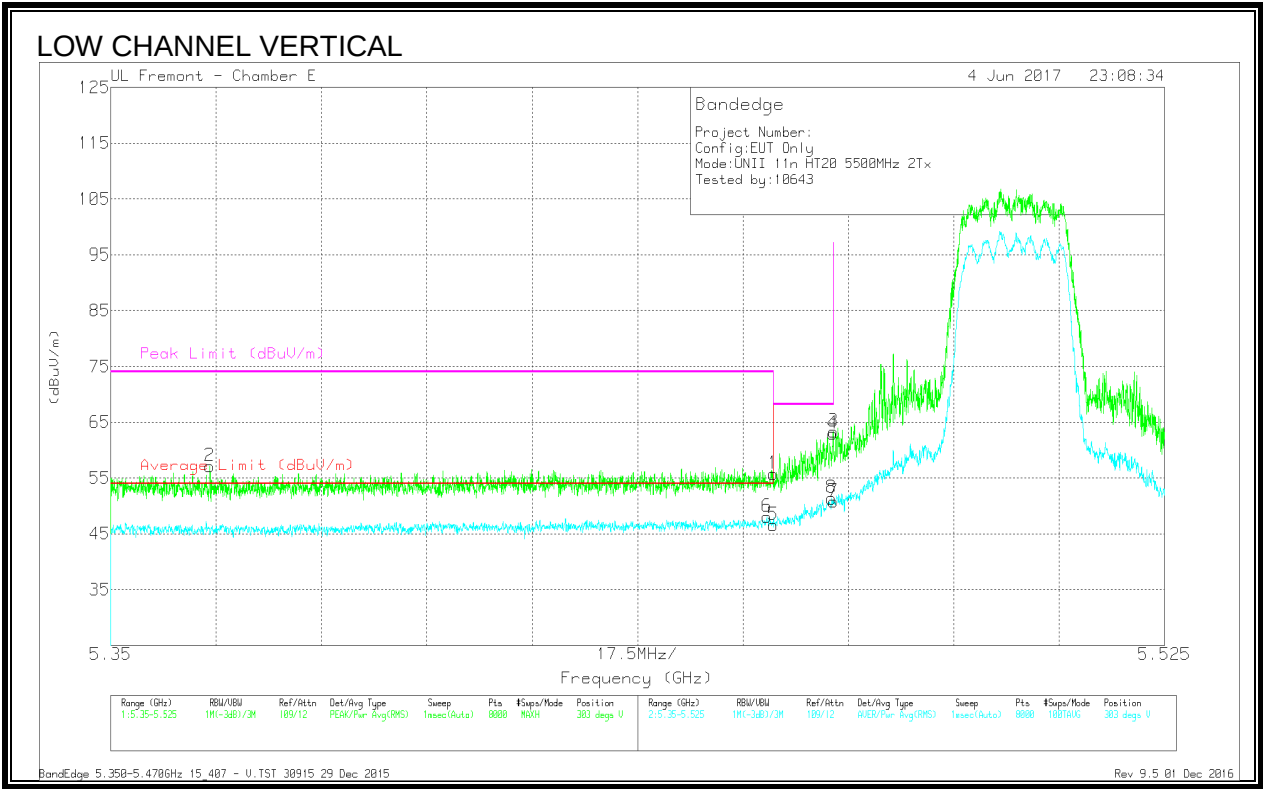
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

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

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Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/F Itr/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	* 5.366	41.35	Pk	35.2	-19.4	57.15	-	-	74	-16.85	303	293	V
6	* 5.459	32.3	RMS	35.1	-19.3	48.1	54	-5.9	-	-	303	293	V
1	* 5.46	39.98	Pk	35.1	-19.3	55.78	-	-	74	-18.22	303	293	V
5	* 5.46	30.71	RMS	35.1	-19.3	46.51	54	-7.49	-	-	303	293	V
3	* 5.47	47.67	Pk	35.1	-19.4	63.37	-	-	68.2	-4.83	303	293	V
4	5.47	47.3	Pk	35.1	-19.4	63	-	-	68.2	-5.2	303	293	V
7	5.47	35.06	RMS	35.1	-19.4	50.76	-	-	-	-	303	293	V
8	5.47	35.65	RMS	35.1	-19.4	51.35	-	-	-	-	303	293	V

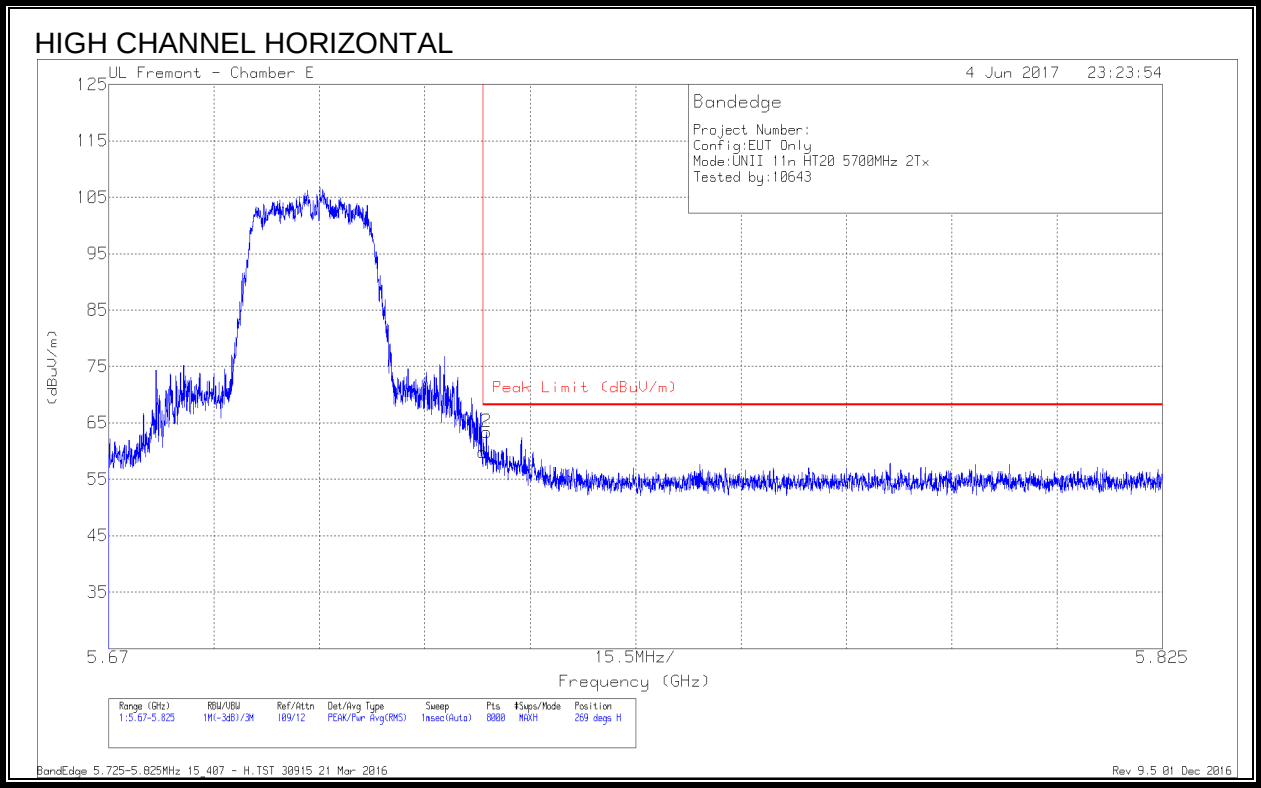
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

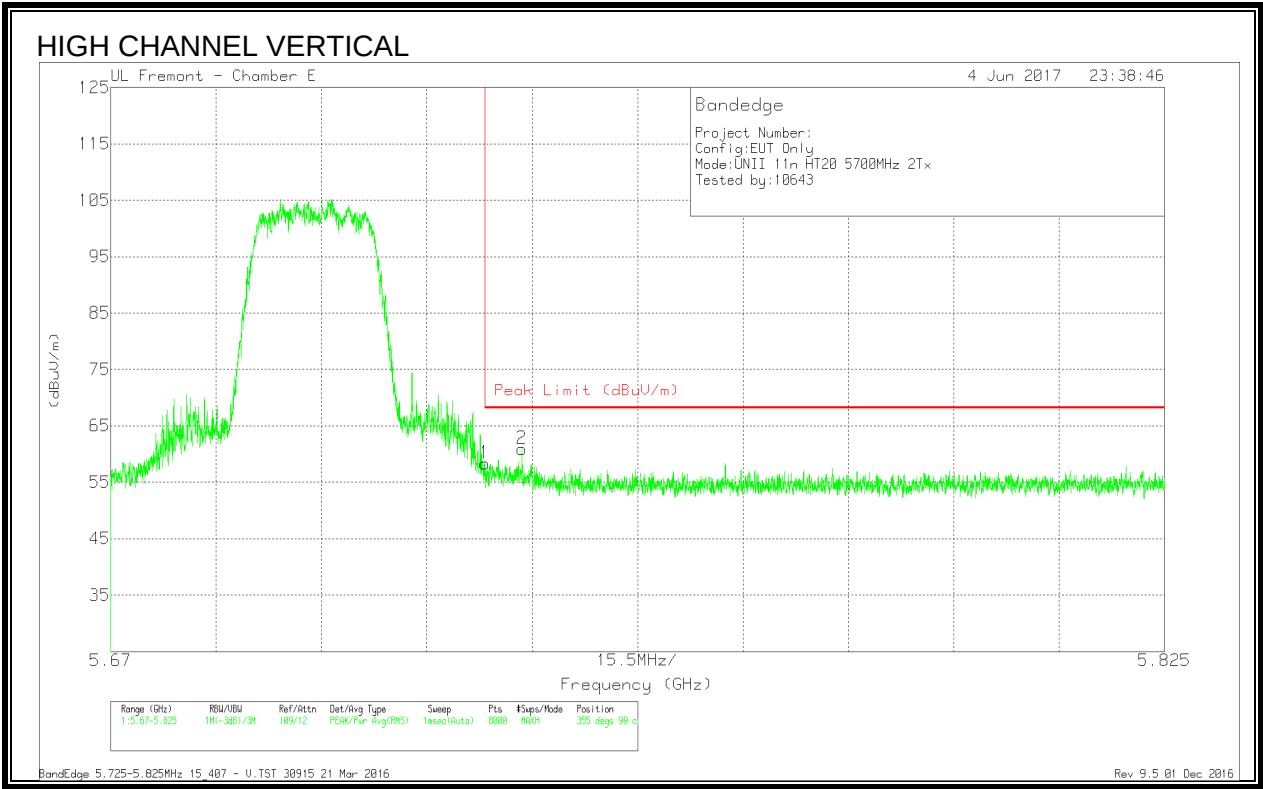
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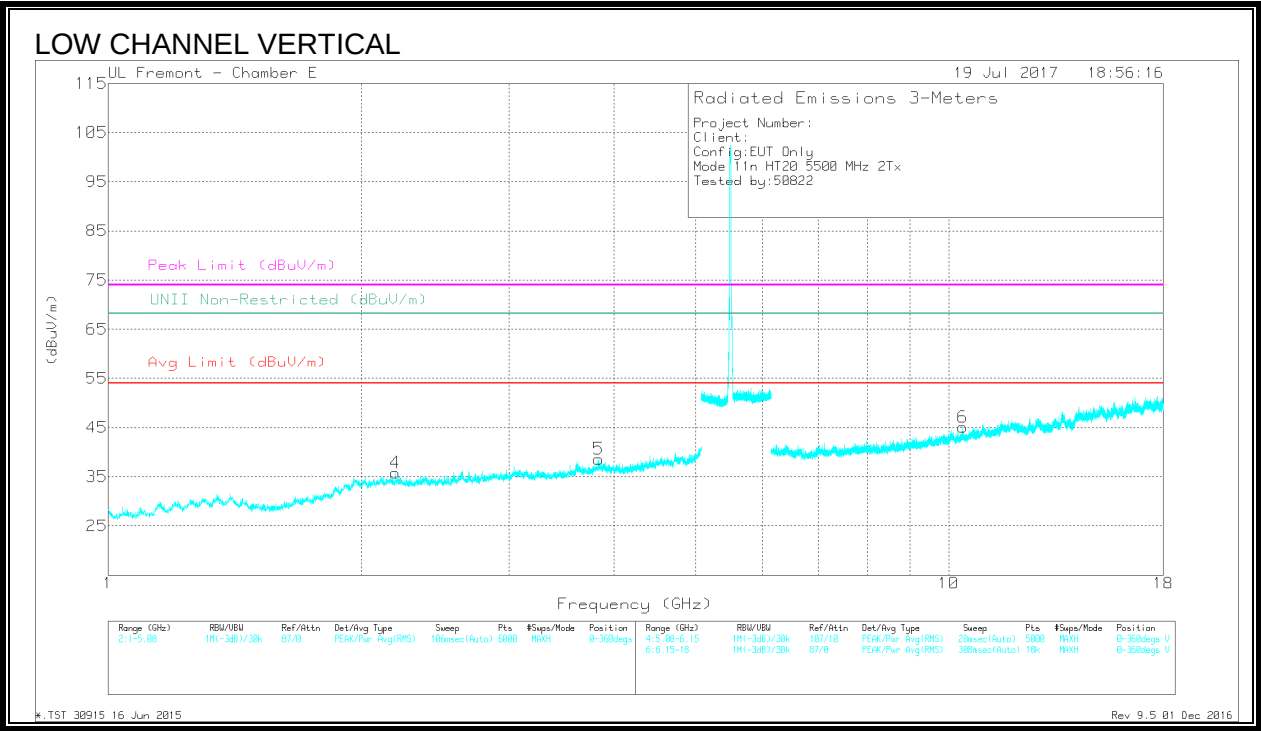
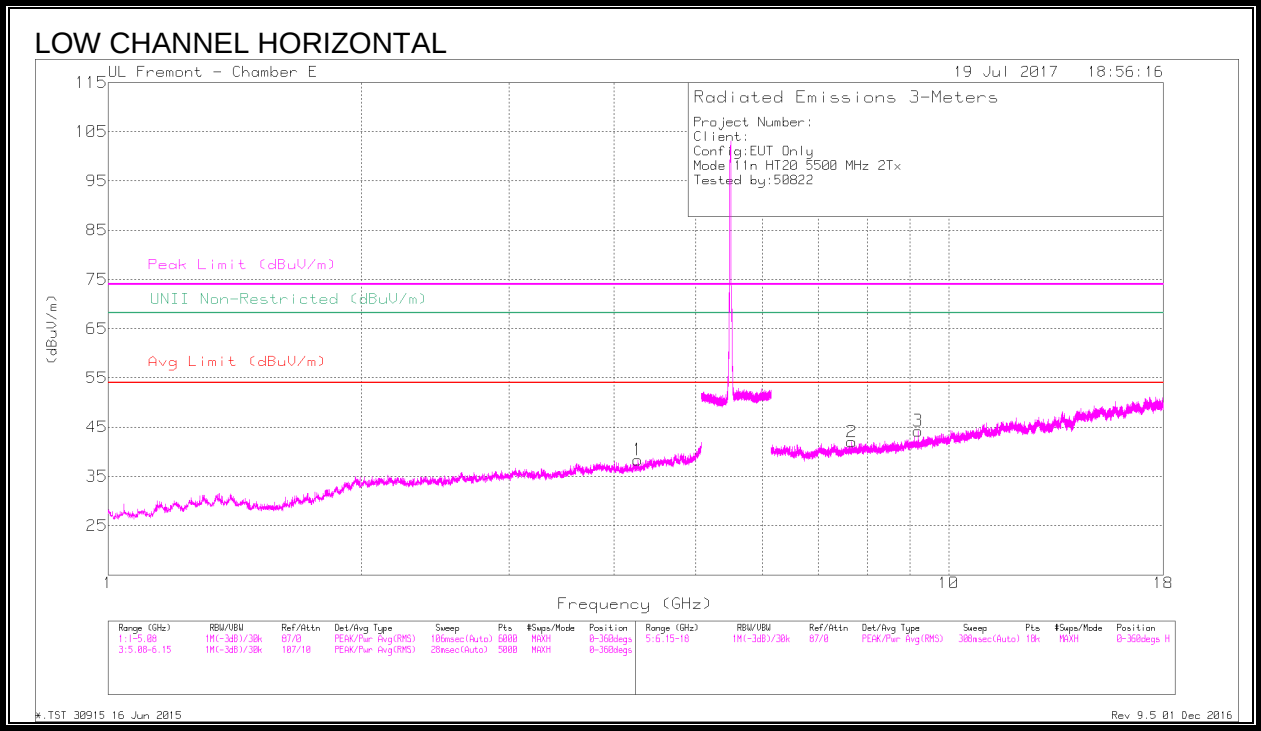
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	44.54	Pk	34.9	-19.6	59.84	68.2	-8.36	269	99	H
2	5.726	47.94	Pk	34.9	-19.5	63.34	68.2	-4.86	269	99	H

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



Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/F lter/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	43.05	Pk	34.9	-19.6	58.35	68.2	-9.85	355	99	V
2	5.73	45.48	Pk	34.9	-19.4	60.98	68.2	-7.22	355	99	V

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



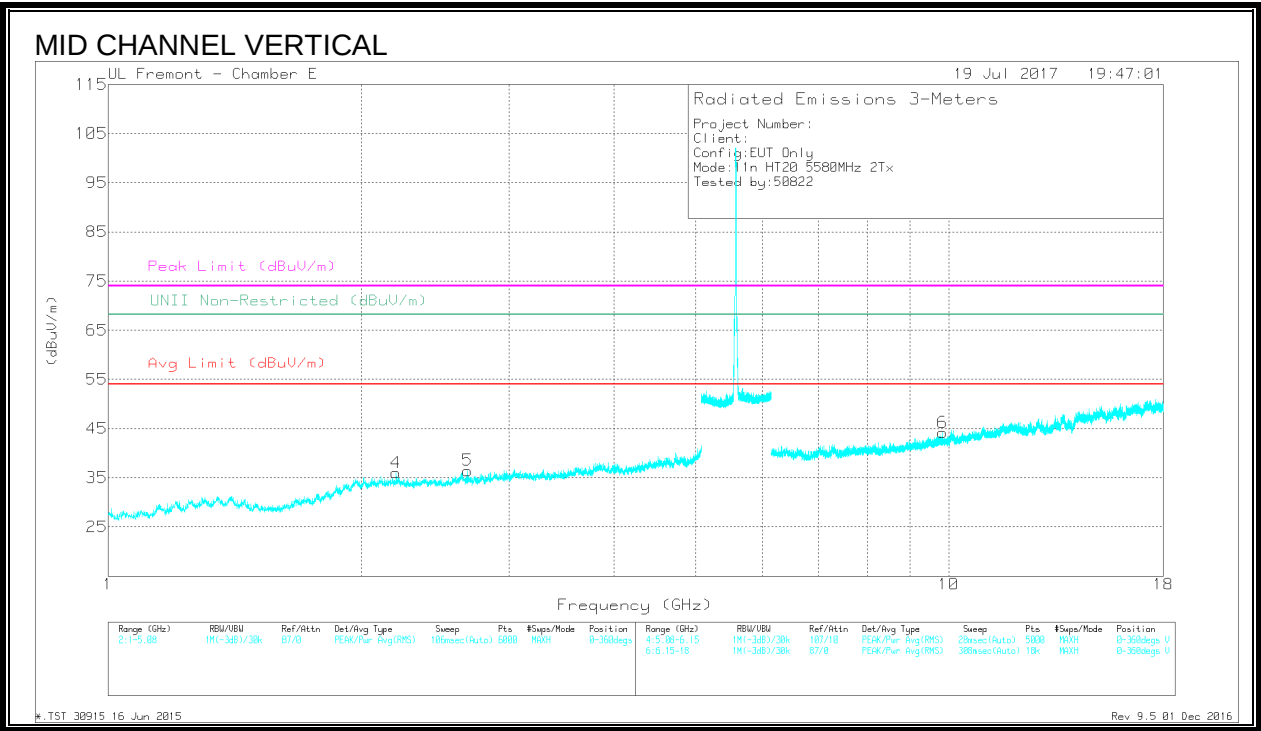
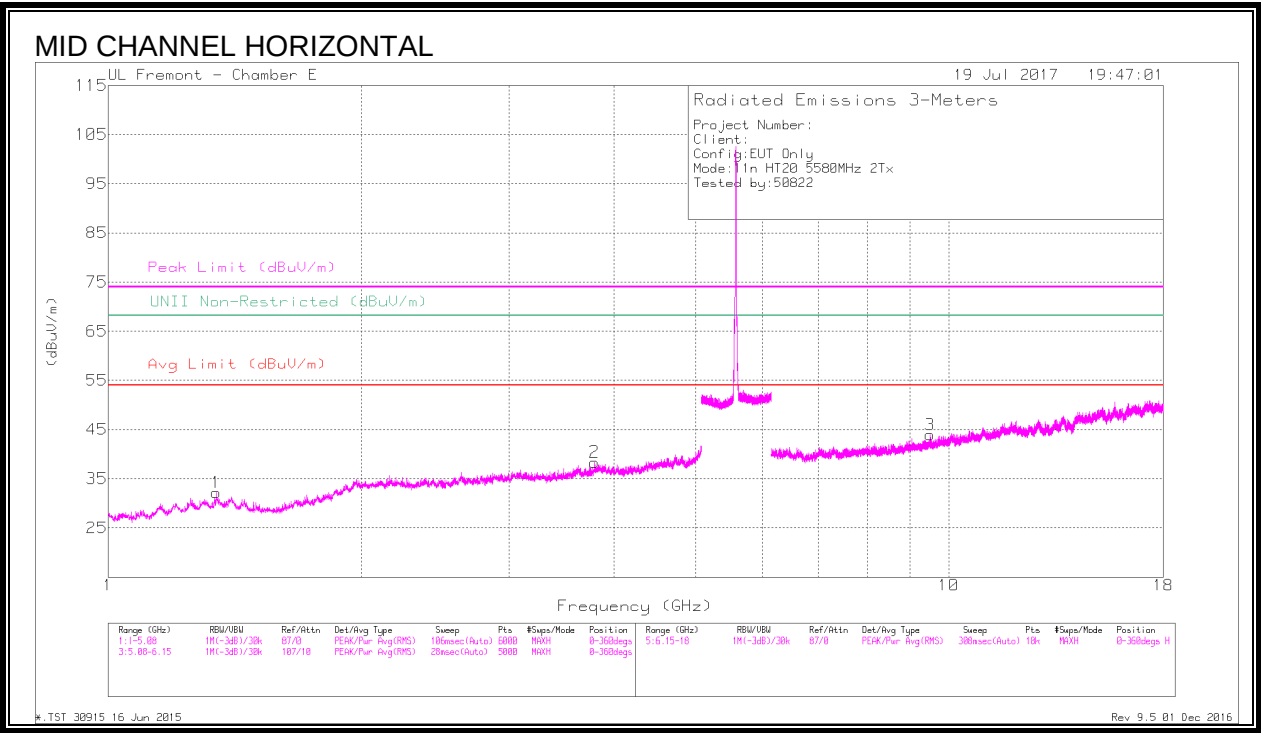
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cb/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.271	41.39	PK-U	33.8	-29.5	45.69	-	-	74	-28.31	-	-	244	261	H
	* 4.269	29.18	ADR	33.8	-29.5	33.48	54	-20.52	-	-	-	-	244	261	H
5	* 3.833	40.77	PK-U	33.7	-29.4	45.07	-	-	74	-28.93	-	-	41	368	V
	* 3.835	29.61	ADR	33.7	-29.3	34.01	54	-19.99	-	-	-	-	41	368	V
2	* 7.668	38.33	PK-U	36.5	-26.8	48.03	-	-	74	-25.97	-	-	305	251	H
	* 7.67	26.92	ADR	36.5	-26.8	36.62	54	-17.38	-	-	-	-	305	251	H
4	2.194	30.18	ADR	32.1	-32.3	29.98	-	-	-	-	-	-	109	177	V
	2.196	42.44	PK-U	32.1	-32.3	42.24	-	-	-	-	68.2	-25.96	109	177	V
3	9.201	25.79	ADR	37.1	-25.2	37.69	-	-	-	-	-	-	238	240	H
	9.204	37.56	PK-U	37.1	-25.2	49.46	-	-	-	-	68.2	-18.74	238	240	H
6	10.391	24.68	ADR	37.7	-23	39.38	-	-	-	-	-	-	121	100	V
	10.392	36.21	PK-U	37.7	-22.9	51.01	-	-	-	-	68.2	-17.19	121	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

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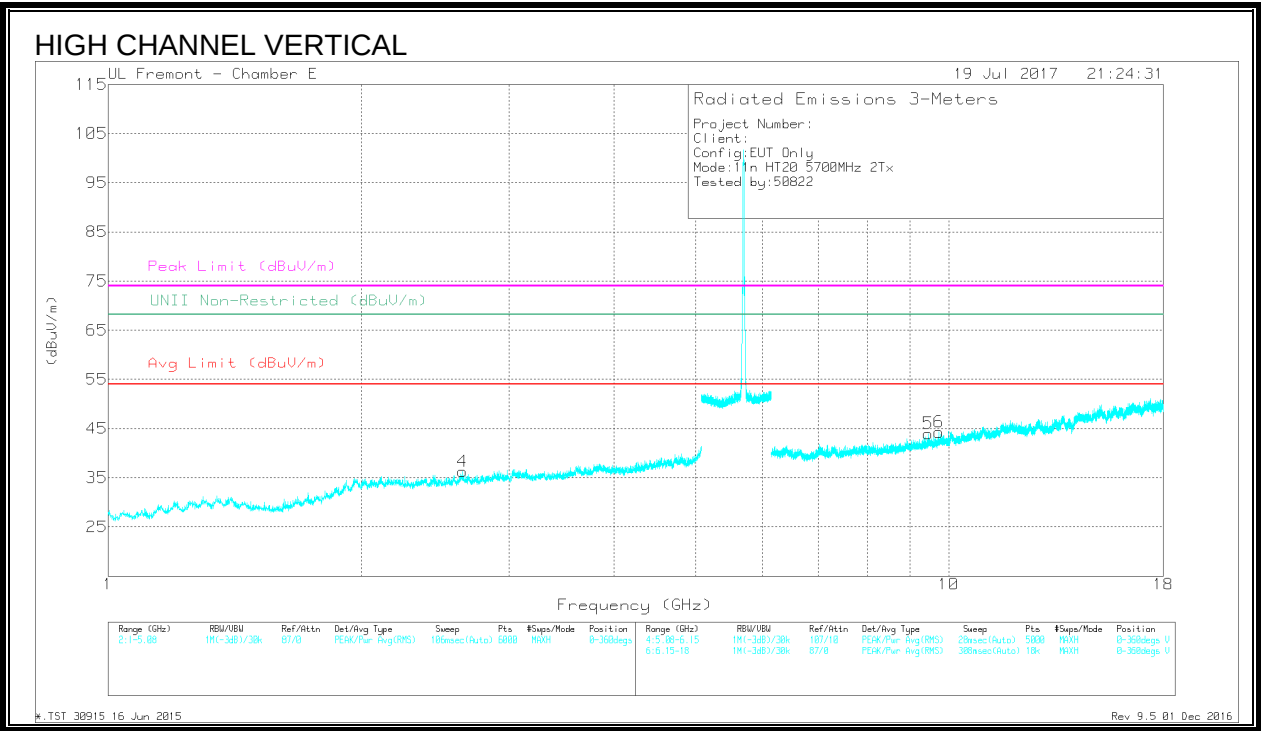
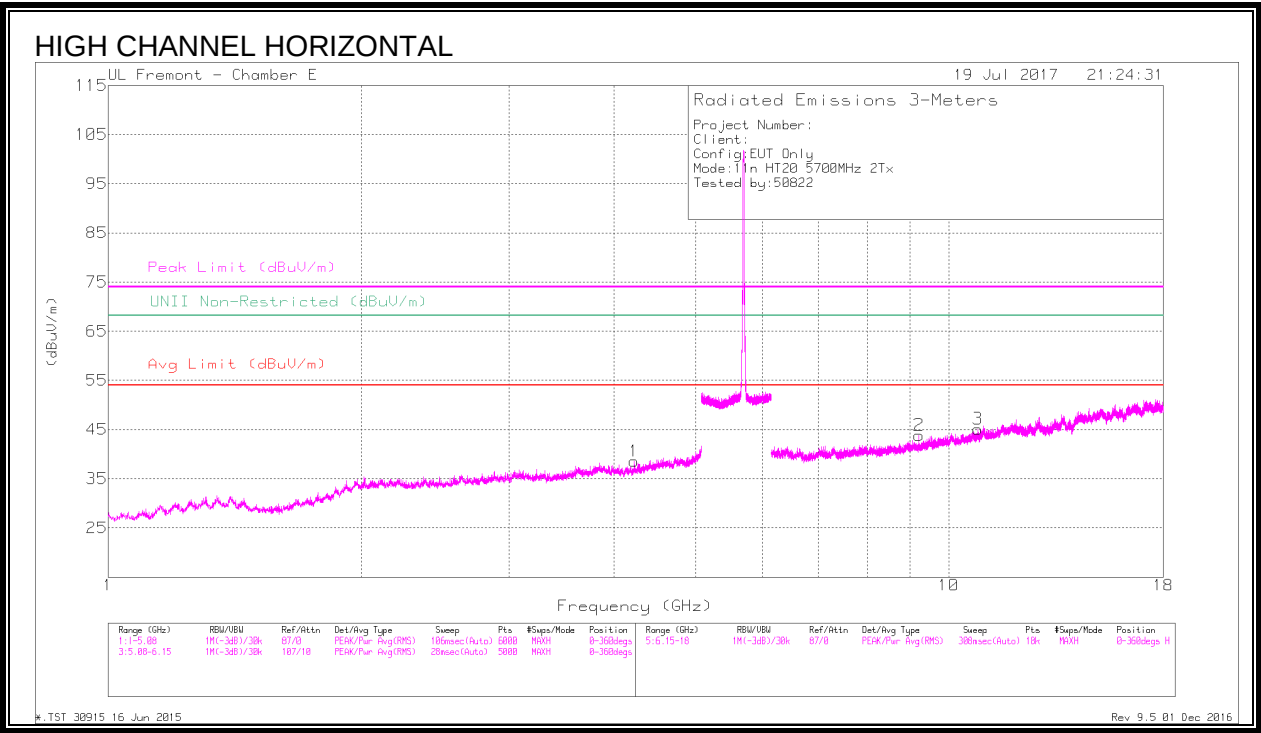
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 3.792	41.98	PK-U	33.6	-30.1	45.48	-	-	74	-28.52	-	-	99	101	H
	* 3.792	30.22	ADR	33.6	-30	33.82	54	-20.18	-	-	-	-	99	101	H
1	* 1.346	44.73	PK-U	28.9	-34.9	38.73	-	-	74	-35.27	-	-	153	239	H
	* 1.346	33.13	ADR	28.9	-34.9	27.13	54	-26.87	-	-	-	-	153	239	H
5	* 2.288	43	PK-U	31.7	-32.9	41.8	-	-	74	-32.2	-	-	68	249	V
	* 2.283	30.83	ADR	31.8	-32.9	29.73	54	-24.27	-	-	-	-	68	249	V
4	* 2.679	41.96	PK-U	32.4	-31.6	42.76	-	-	74	-31.24	-	-	193	288	V
	* 2.679	30.16	ADR	32.4	-31.6	30.96	54	-23.04	-	-	-	-	193	288	V
3	9.507	25.71	ADR	37.2	-24.3	38.61	-	-	-	-	-	-	281	303	H
	9.508	37.28	PK-U	37.2	-24.3	50.18	-	-	-	-	68.2	-18.02	281	303	H
6	9.841	37.5	PK-U	37.6	-24.6	50.5	-	-	-	-	68.2	-17.7	223	391	V
	9.844	25.57	ADR	37.6	-24.6	38.57	-	-	-	-	-	-	223	391	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

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Marker	Frequen cy (GHz)	Meter Readin g (dBuV)	Det	AF T346 (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	* 4.225	41.45	PK-U	33.7	-29.5	45.65	-	-	74	-28.35	-	-	212	219	H
	* 4.222	29.83	ADR	33.7	-29.5	34.03	54	-19.97	-	-	-	-	212	219	H
3	* 10.839	36.74	PK-U	38.1	-23.4	51.44	-	-	74	-22.56	-	-	126	255	H
	* 10.838	25.15	ADR	38.1	-23.4	39.85	54	-14.15	-	-	-	-	126	255	H
5	* 9.455	37.72	PK-U	37.2	-25	49.92	-	-	74	-24.08	-	-	204	105	V
	* 9.456	25.77	ADR	37.2	-25	37.97	54	-16.03	-	-	-	-	204	105	V
4	2.64	29.34	ADR	32.3	-30.6	31.04	-	-	-	-	-	-	96	310	V
	2.642	41.8	PK-U	32.3	-30.6	43.5	-	-	-	-	68.2	-24.7	96	310	V
2	9.221	37.34	PK-U	37.1	-25.3	49.14	-	-	-	-	68.2	-19.06	360	202	H
	9.222	26.38	ADR	37.1	-25.3	38.18	-	-	-	-	-	-	360	202	H
6	9.731	26.57	ADR	37.4	-25	38.97	-	-	-	-	-	-	109	250	V
	9.733	37.74	PK-U	37.4	-25	50.14	-	-	-	-	68.2	-18.06	109	250	V

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

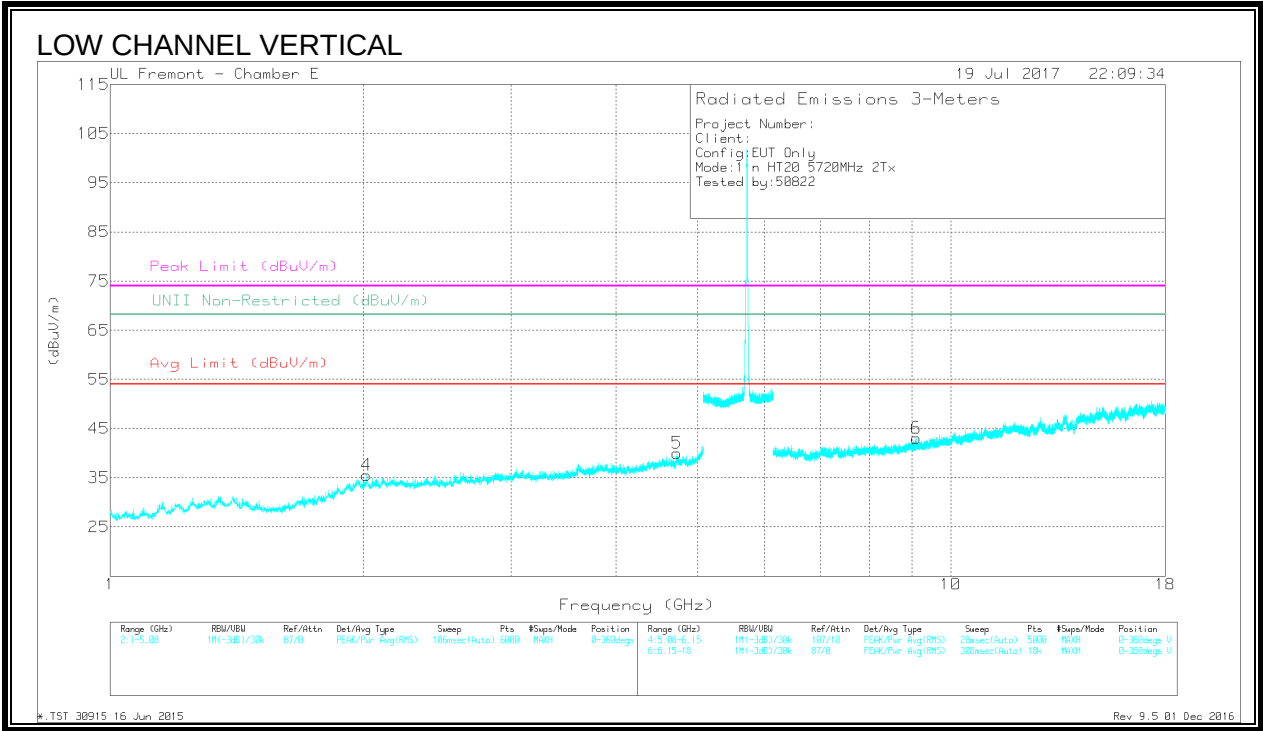
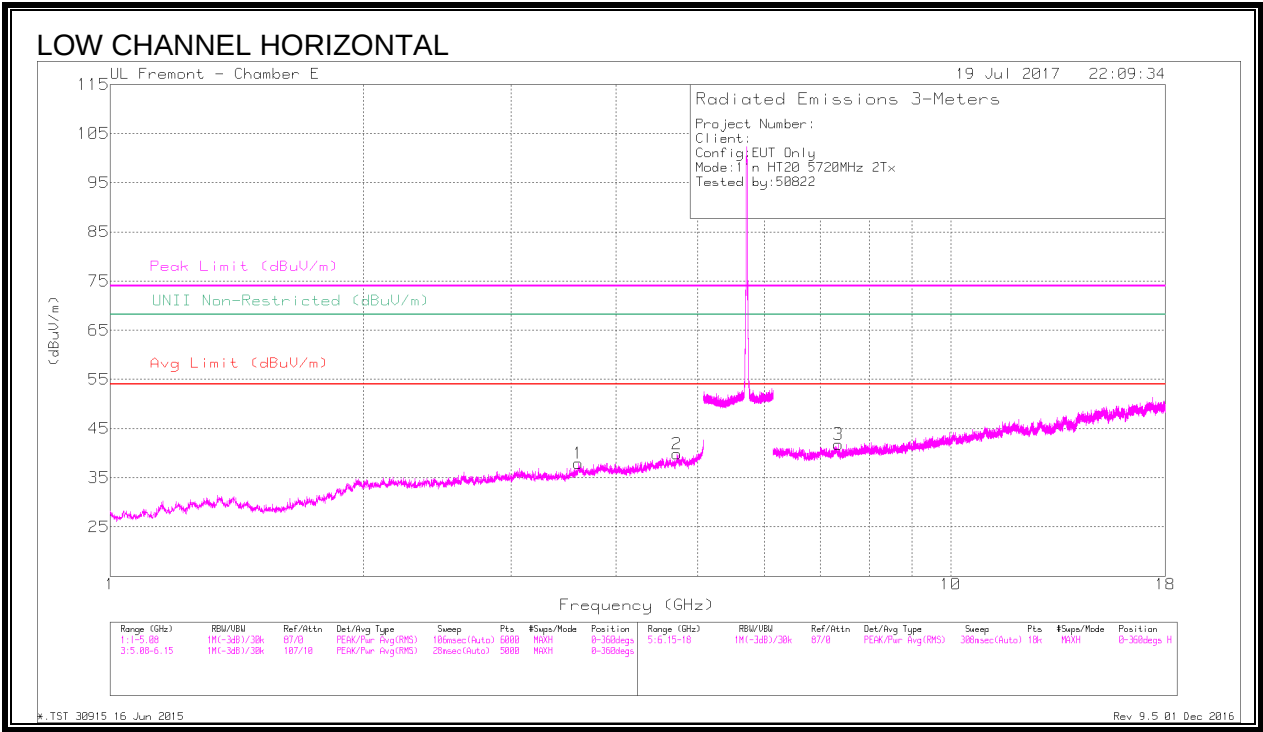
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

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

HARMONICS AND SPURIOUS EMISSIONS



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cb/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.607	41.29	PK-U	33.3	-30.2	44.39	-	-	74	-29.61	-	-	335	330	H
	* 3.605	29.44	ADR	33.3	-30.3	32.44	54	-21.56	-	-	-	-	335	330	H
2	* 4.723	40.99	PK-U	34.4	-28.4	46.99	-	-	74	-27.01	-	-	360	207	H
	* 4.724	28.9	ADR	34.4	-28.4	34.9	54	-19.1	-	-	-	-	360	207	H
5	* 4.721	40.9	PK-U	34.4	-28.4	46.9	-	-	74	-27.1	-	-	221	157	V
	* 4.723	28.95	ADR	34.4	-28.4	34.95	54	-19.05	-	-	-	-	221	157	V
3	* 7.353	38.95	PK-U	36	-26.8	48.15	-	-	74	-25.85	-	-	119	162	H
	* 7.353	27.08	ADR	36	-26.9	36.18	54	-17.82	-	-	-	-	119	162	H
6	* 9.107	38.22	PK-U	37.1	-25.5	49.82	-	-	74	-24.18	-	-	352	374	V
	* 9.107	26.06	ADR	37.1	-25.5	37.66	54	-16.34	-	-	-	-	352	374	V
4	2.019	43.16	PK-U	32.1	-33.3	41.96	-	-	-	-	68.2	-26.24	328	314	V
	2.021	31.52	ADR	32.1	-33.4	30.22	-	-	-	-	-	-	328	314	V

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

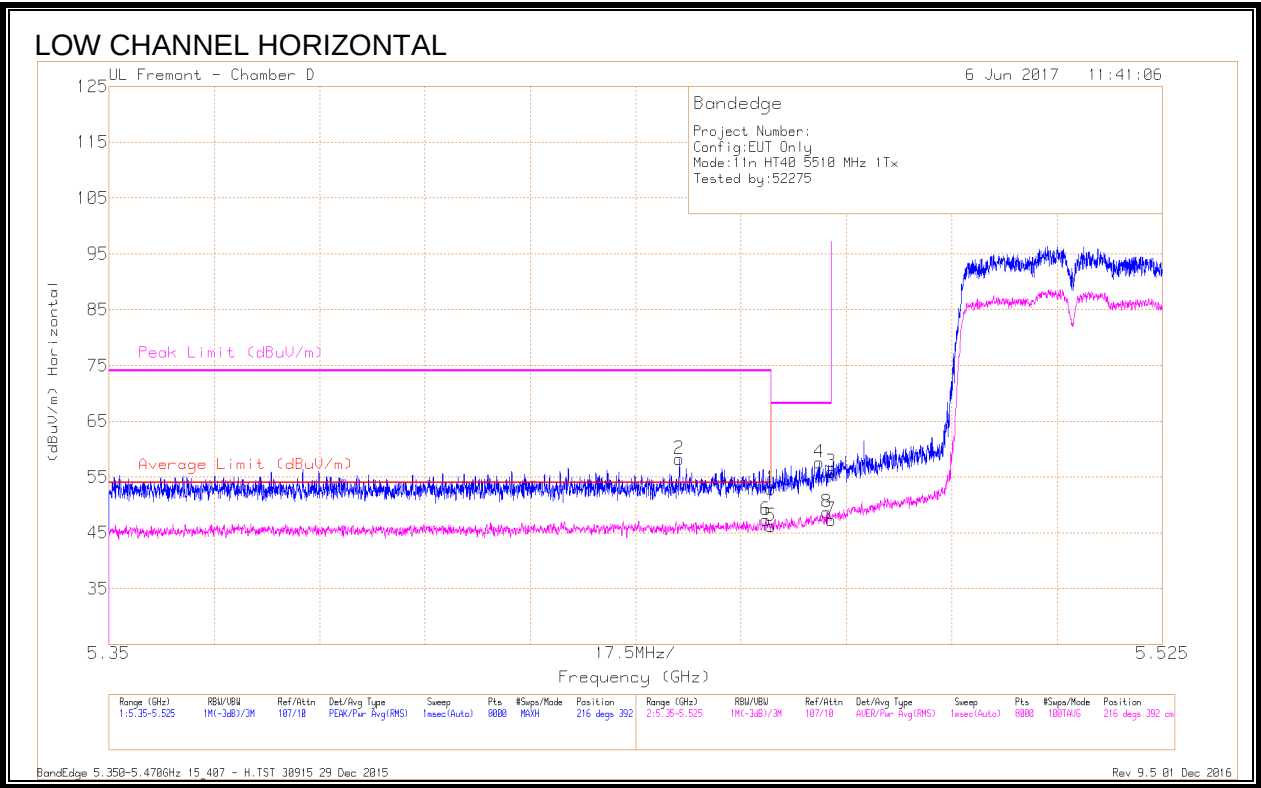
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

Rev 9.5 01 Dec 2016

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

RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequ ncy (GHz)	Meter Readin g (dBuV)	Det	AF T120 (dB/m)	Amp/C b/Fltr/ Pad (dB)	DC Corr (dB)	Correct ed Readin g (dBuV/ m)	Averag e Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimet h (Degs)	Height (cm)	Polarity
1	* 5.46	36.08	Pk	34.7	-17.9	0	52.88	-	-	74	-21.12	216	392	H
2	* 5.445	41.69	Pk	34.7	-18.1	0	58.29	-	-	74	-15.71	216	392	H
5	* 5.46	29.24	RMS	34.7	-17.9	.1	46.14	54	-7.86	-	-	216	392	H
6	* 5.459	30.5	RMS	34.7	-18	.1	47.3	54	-6.7	-	-	216	392	H
4	5.468	40.78	Pk	34.7	-17.9	0	57.58	-	-	68.2	-10.62	216	392	H
8	5.469	31.72	RMS	34.7	-17.9	.1	48.62	54	-	-	-	216	392	H
3	5.47	39.04	Pk	34.7	-17.9	0	55.84	-	-	68.2	-12.36	216	392	H
7	5.47	30.4	RMS	34.7	-17.9	.1	47.31	-	-	-	-	216	392	H

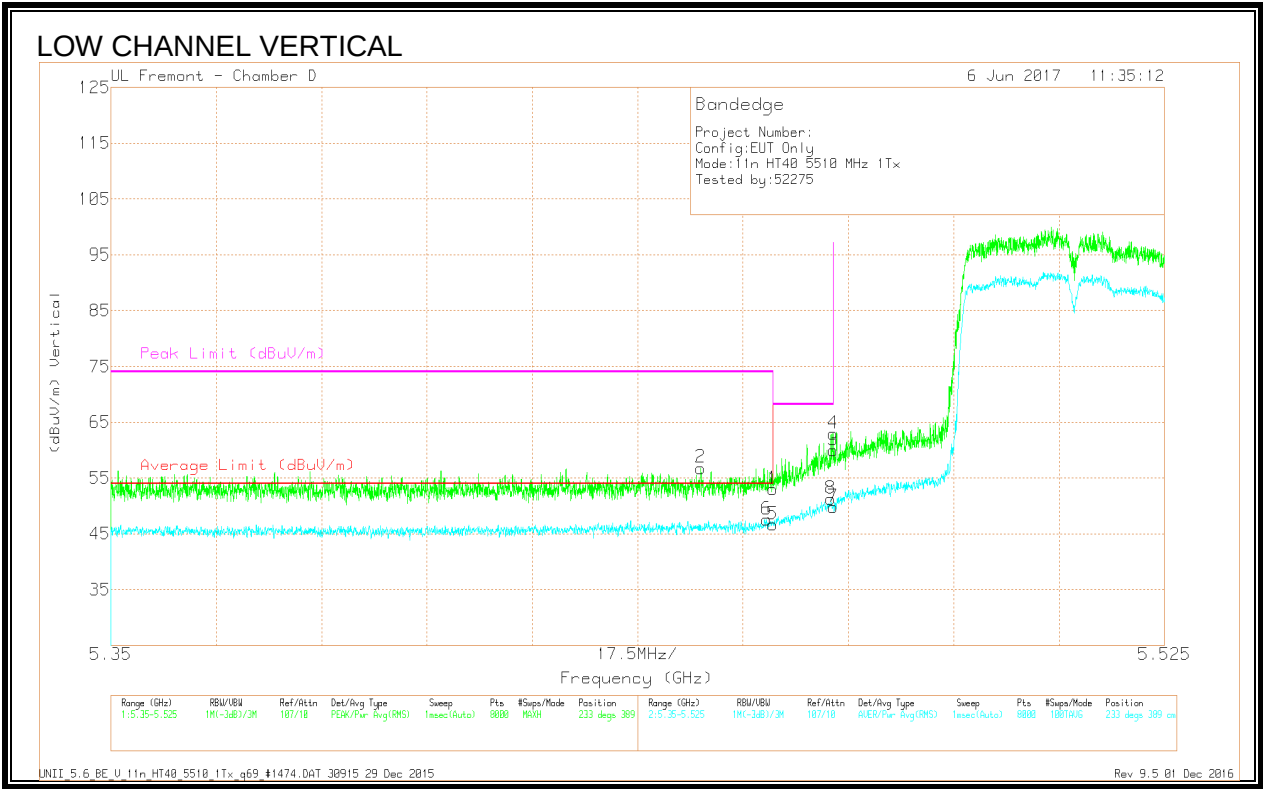
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

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

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Marker	Frequen- cy (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/C bl/Filtr/ Pad (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	* 5.46	36.27	PK	34.7	-17.9	0	53.07	-	-	74	-20.93	233	389	V
2	* 5.448	40.21	PK	34.7	-18.1	0	56.81	-	-	74	-17.19	233	389	V
5	* 5.46	29.73	RMS	34.7	-17.9	.1	46.63	54	-7.37	-	-	233	389	V
6	* 5.459	30.78	RMS	34.7	-18	.1	47.58	54	-6.42	-	-	233	389	V
3	5.47	43.14	PK	34.7	-17.9	0	59.94	-	-	68.2	-8.26	233	389	V
4	5.47	46.17	PK	34.7	-17.9	0	62.97	-	-	68.2	-5.23	233	389	V
7	5.47	32.83	RMS	34.7	-17.9	.1	49.74	-	-	-	-	233	389	V
8	5.47	34.36	RMS	34.7	-17.9	.1	51.27	-	-	-	-	233	389	V

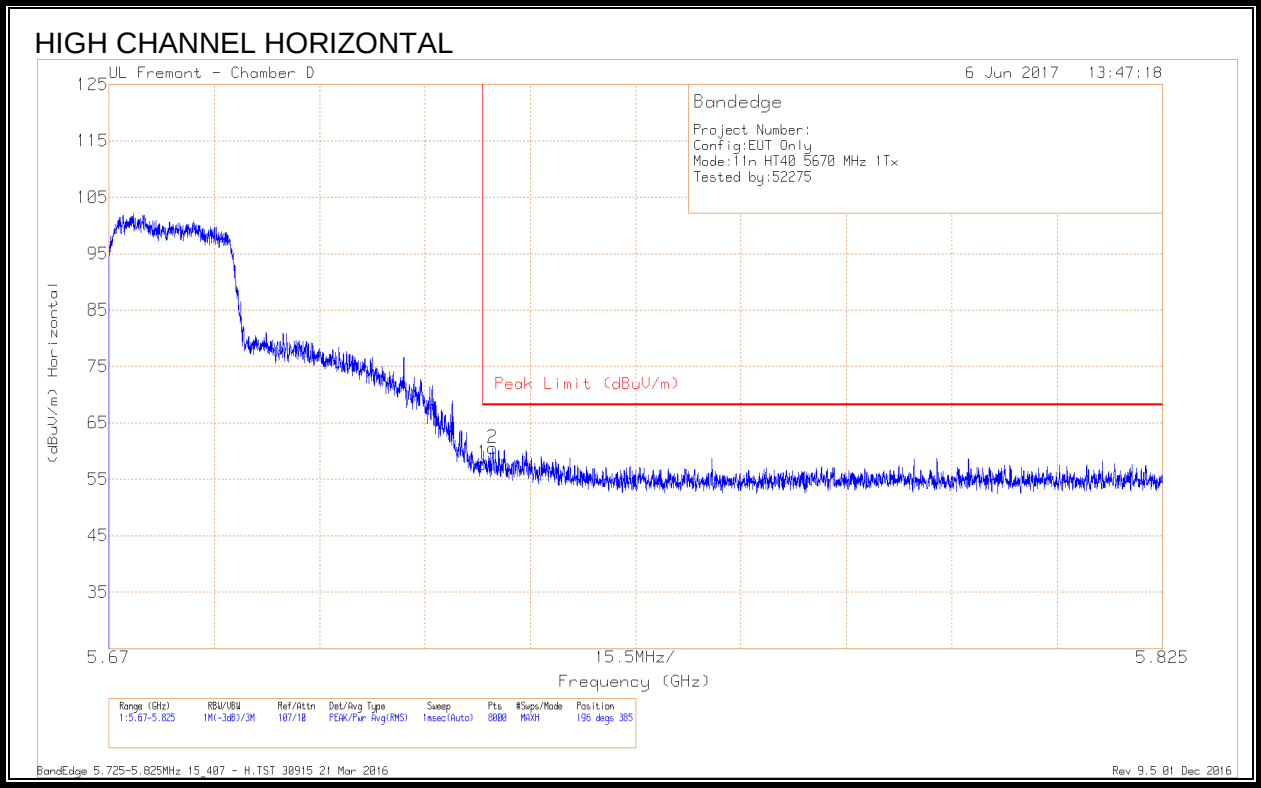
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

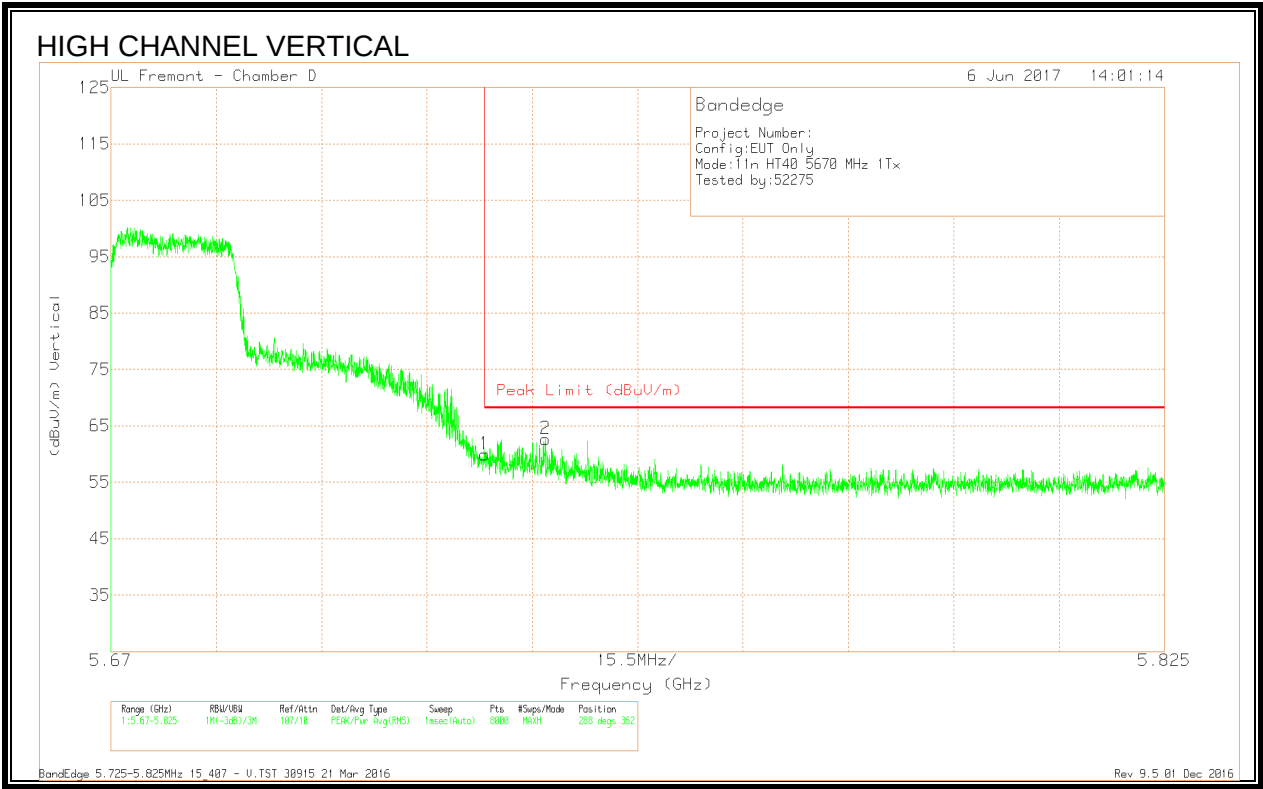
UNII_5.6_BE_V_11n_HT40_5510_1Tx_q69_#1474.DAT 30915 29 Dec 2015

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Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	40.69	Pk	34.6	-17.5	0	57.79	68.2	-10.41	196	385	H
2	5.726	43.44	Pk	34.6	-17.5	0	60.54	68.2	-7.66	196	385	H

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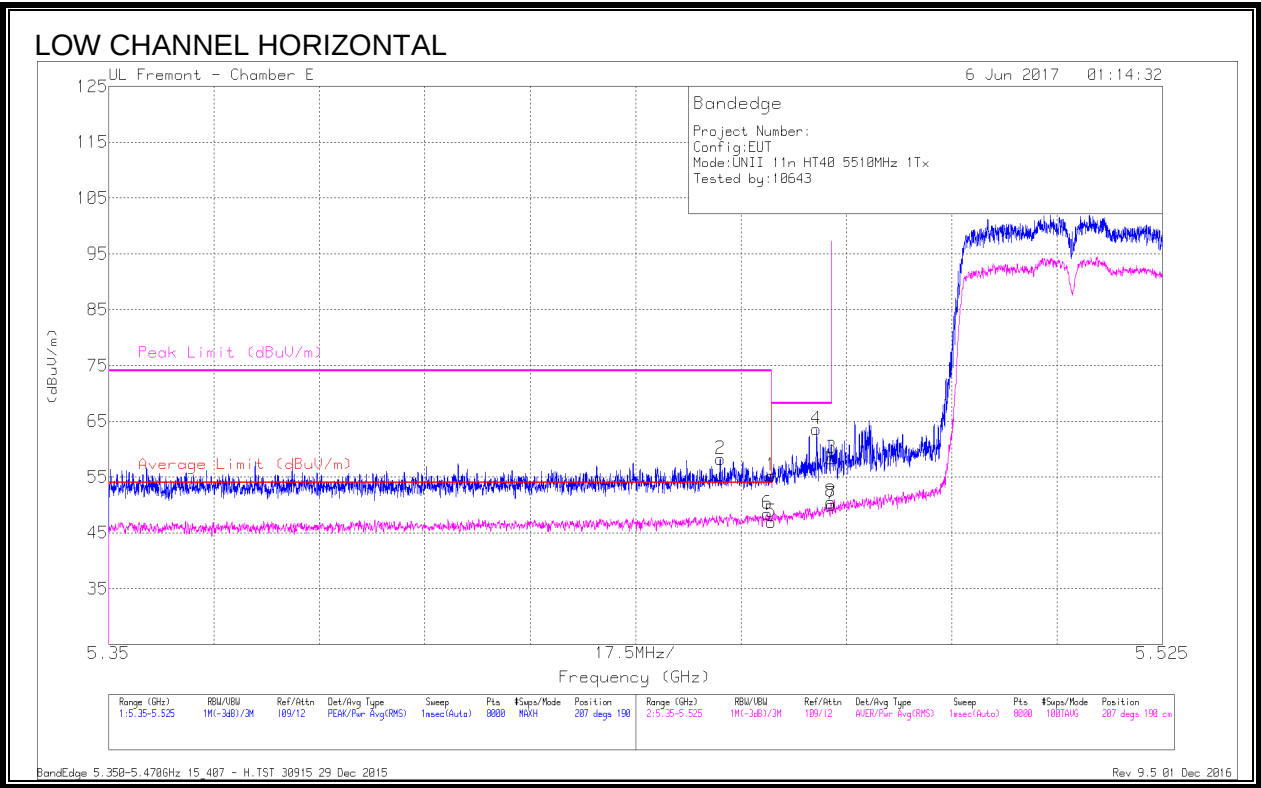


Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	42.85	Pk	34.6	-17.5	0	59.95	68.2	-8.25	288	362	V
2	5.734	45.49	PK	34.6	-17.5	0	62.59	68.2	-5.61	288	362	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)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (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	* 5.46	39.51	Pk	35.1	-19.3	0	55.31	-	-	74	-18.69	207	190	H
2	* 5.452	42.5	Pk	35.1	-19.4	0	58.2	-	-	74	-15.8	207	190	H
5	* 5.46	31.16	RMS	35.1	-19.3	.1	47.06	54	-6.94	-	-	207	190	H
6	* 5.459	32.65	RMS	35.1	-19.3	.1	48.55	54	-5.45	-	-	207	190	H
4	5.468	48.01	Pk	35.1	-19.5	0	63.61	-	-	68.2	-4.59	207	190	H
3	5.47	42.62	Pk	35.1	-19.4	0	58.32	-	-	68.2	-9.88	207	190	H
7	5.47	34.3	RMS	35.1	-19.4	.1	50	-	-	-	-	207	190	H
8	5.47	34.78	RMS	35.1	-19.4	.1	50.48	-	-	-	-	207	190	H

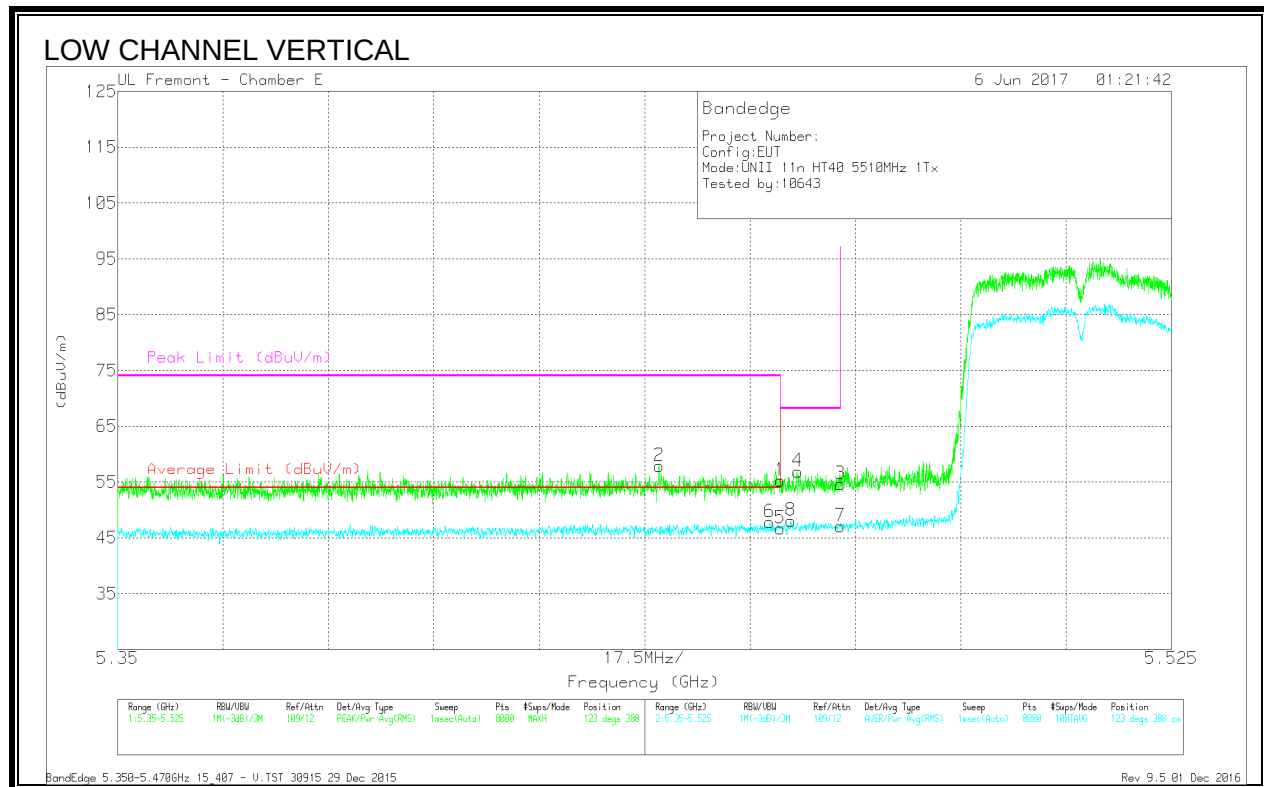
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

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

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Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (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	* 5.46	39.42	Pk	35.1	-19.3	0	55.22	-	-	74	-18.78	123	388	V
2	* 5.44	42.21	Pk	35.1	-19.4	0	57.91	-	-	74	-16.09	123	388	V
5	* 5.46	30.94	RMS	35.1	-19.3	.1	46.84	54	-7.16	-	-	123	388	V
6	* 5.458	32.01	RMS	35.1	-19.3	.1	47.91	54	-6.09	-	-	123	388	V
8	5.462	32.21	RMS	35.1	-19.3	.1	48.01	-	-	-	-	123	388	V
4	5.463	41.23	PK	35.1	-19.4	0	56.93	-	-	68.2	-11.27	123	388	V
3	5.47	38.98	Pk	35.1	-19.4	0	54.68	-	-	68.2	-13.52	123	388	V
7	5.47	31.33	RMS	35.1	-19.4	.1	47.03	-	-	-	-	123	388	V

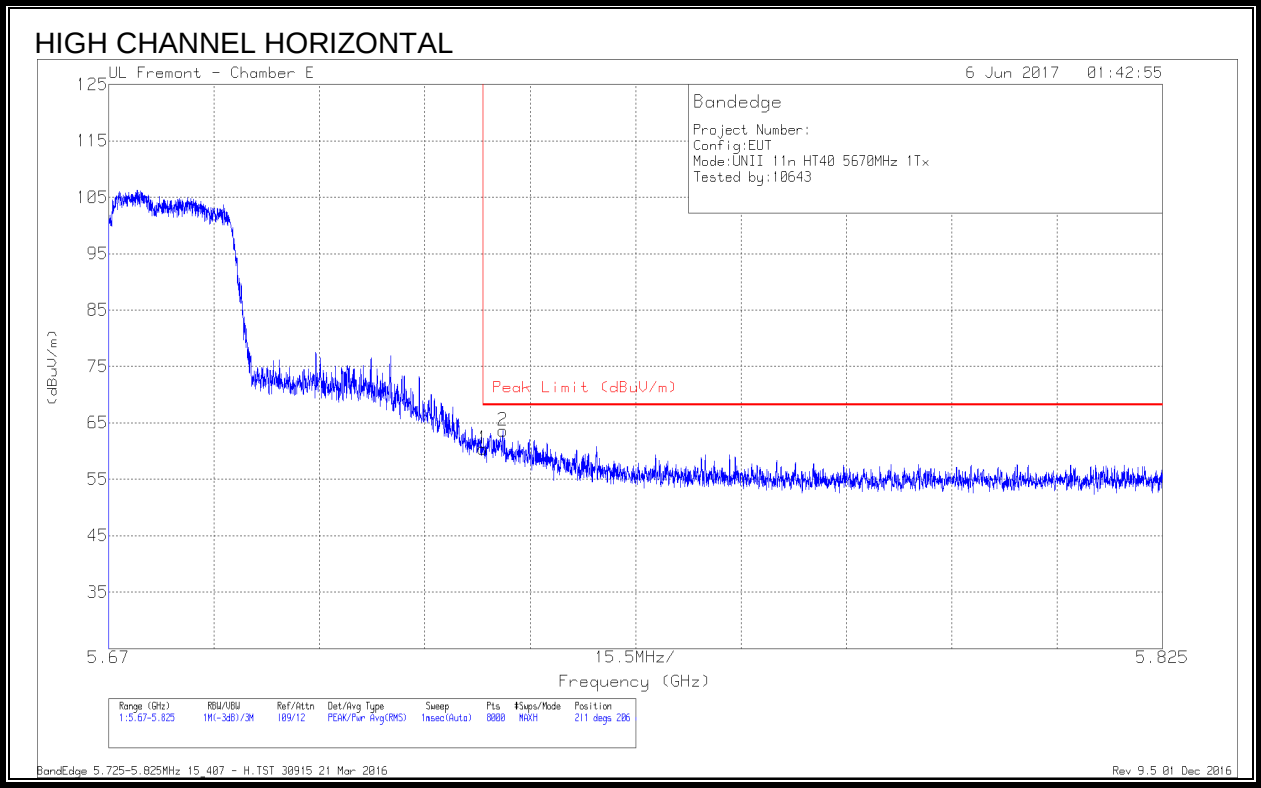
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

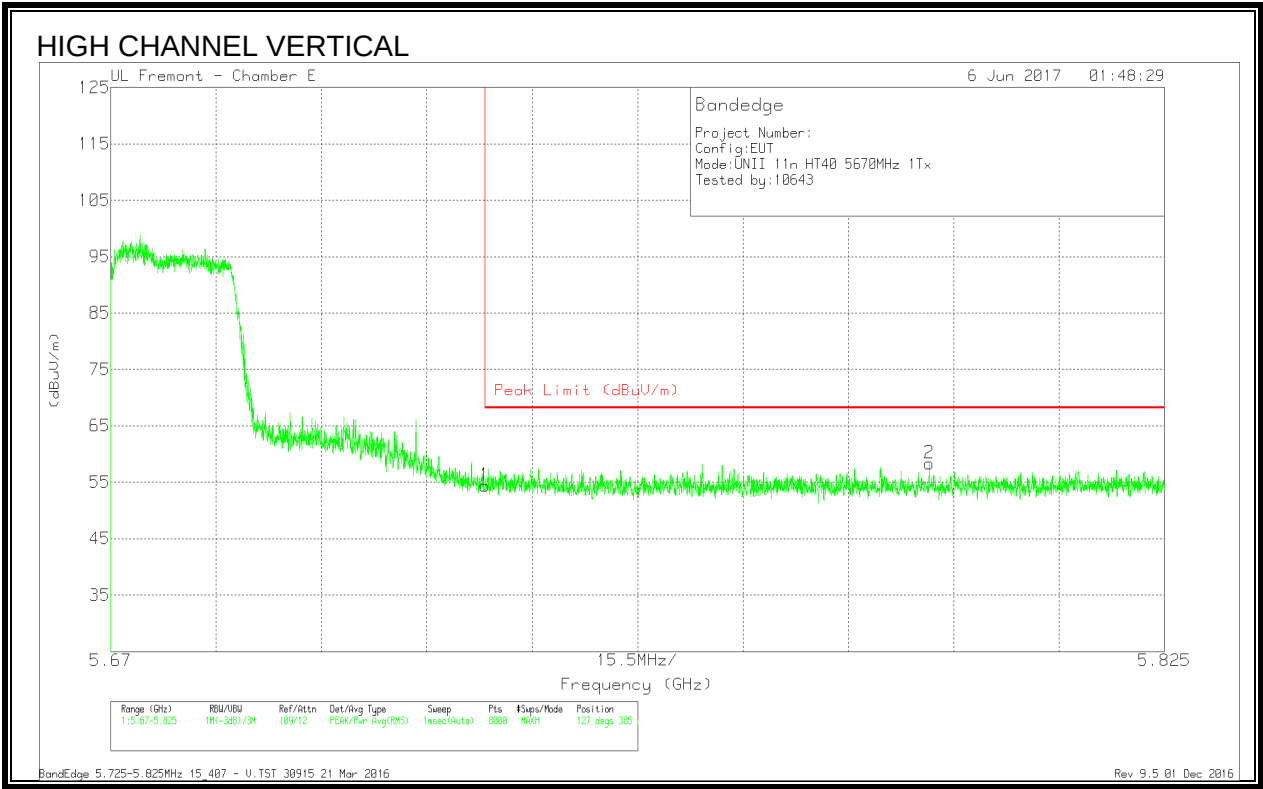
BandEdge 5.350-5.470GHz 15_407 - V.TST 30915 29 Dec 2015

Rev 9.5 01 Dec 2016



Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Correcte d Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	45.15	Pk	34.9	-19.6	60.45	68.2	-7.75	211	206	H
2	5.728	48.24	Pk	34.9	-19.5	63.64	68.2	-4.56	211	206	H

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

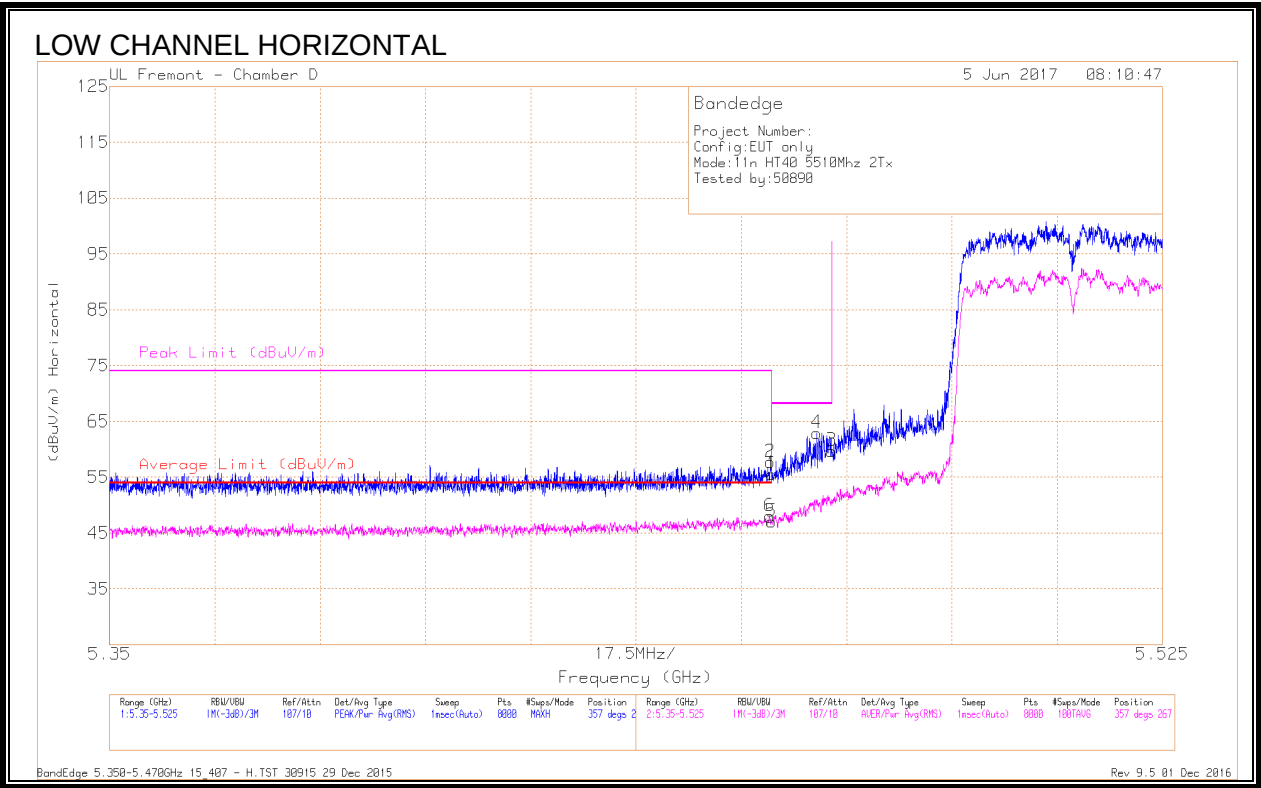


Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/F ltn/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	39.17	Pk	34.9	-19.6	54.47	68.2	-13.73	127	385	V
2	5.79	42.54	Pk	35.3	-19.5	58.34	68.2	-9.86	127	385	V

Pk - Peak detector
BandEdge 5.725-5.825MHz 15_407 - V.TST 30915 21 Mar 2016
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9.1.25. 11n HT40 2TX CDD MIMO MODE IN THE 5.6GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (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	* 5.46	38.76	Pk	34.7	-17.9	0	55.56	-	-	74	-18.44	357	267	H
2	* 5.46	40.9	Pk	34.7	-17.9	0	57.7	-	-	74	-16.3	357	267	H
5	* 5.46	30.23	RMS	34.7	-17.9	.1	47.03	54	-6.97	-	-	357	267	H
6	* 5.46	31.3	RMS	34.7	-18	.1	48	54	-6	-	-	357	267	H
4	5.468	46.13	Pk	34.7	-17.9	0	62.93	-	-	68.2	-5.27	357	267	H
3	5.47	42.95	Pk	34.7	-17.9	0	59.75	-	-	68.2	-8.45	357	267	H

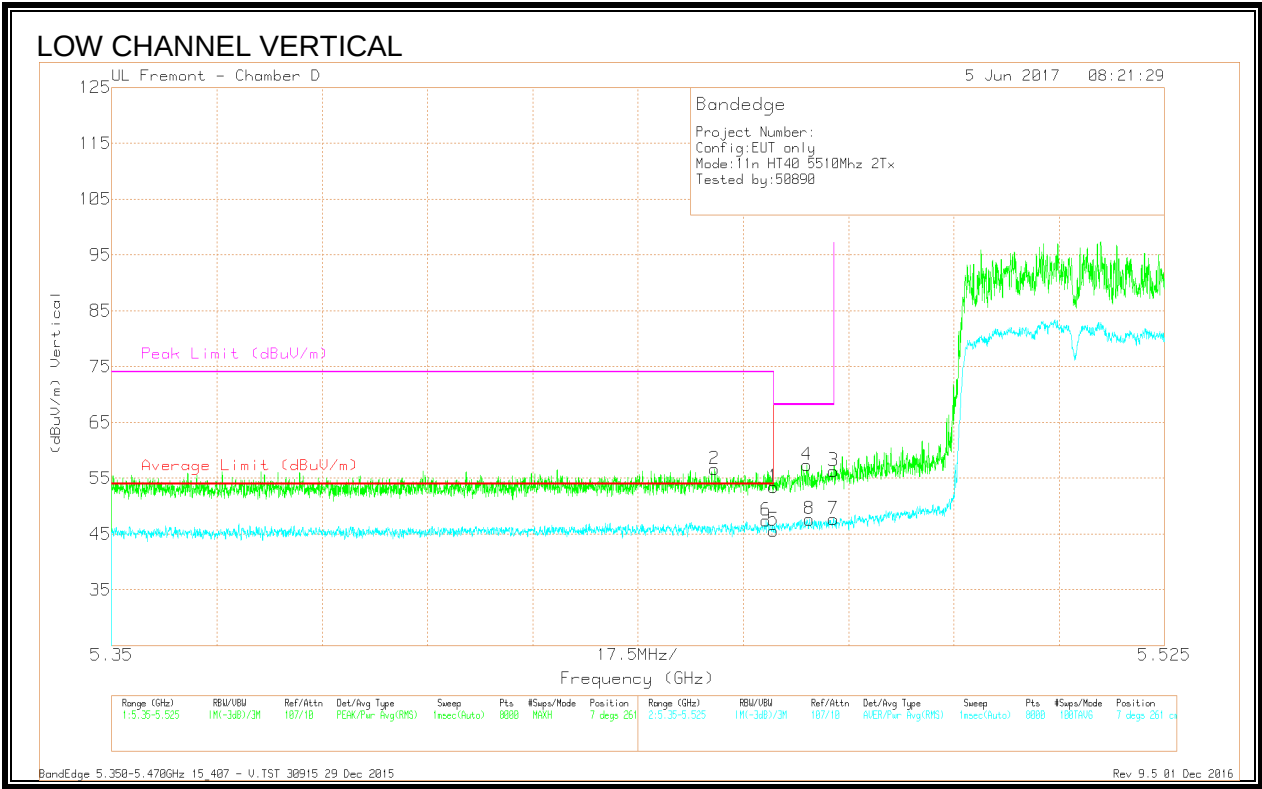
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

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Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/F ltr/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	* 5.45	40.01	Pk	34.7	-18.1	0	56.61	-	-	74	-17.39	7	261	V
6	* 5.459	30.74	RMS	34.7	-18	.1	47.54	54	-6.46	-	-	7	261	V
1	* 5.46	36.66	Pk	34.7	-17.9	0	53.46	-	-	74	-20.54	7	261	V
5	* 5.46	28.83	RMS	34.7	-17.9	.1	45.73	54	-8.27	-	-	7	261	V
4	5.466	40.58	Pk	34.7	-17.9	0	57.38	-	-	68.2	-10.82	7	261	V
8	5.466	30.83	RMS	34.7	-17.9	.1	47.63	-	-	-	-	7	261	V
3	5.47	39.5	Pk	34.7	-17.9	0	56.3	-	-	68.2	-11.9	7	261	V
7	5.47	30.85	RMS	34.7	-17.9	.1	47.65	-	-	-	-	7	261	V

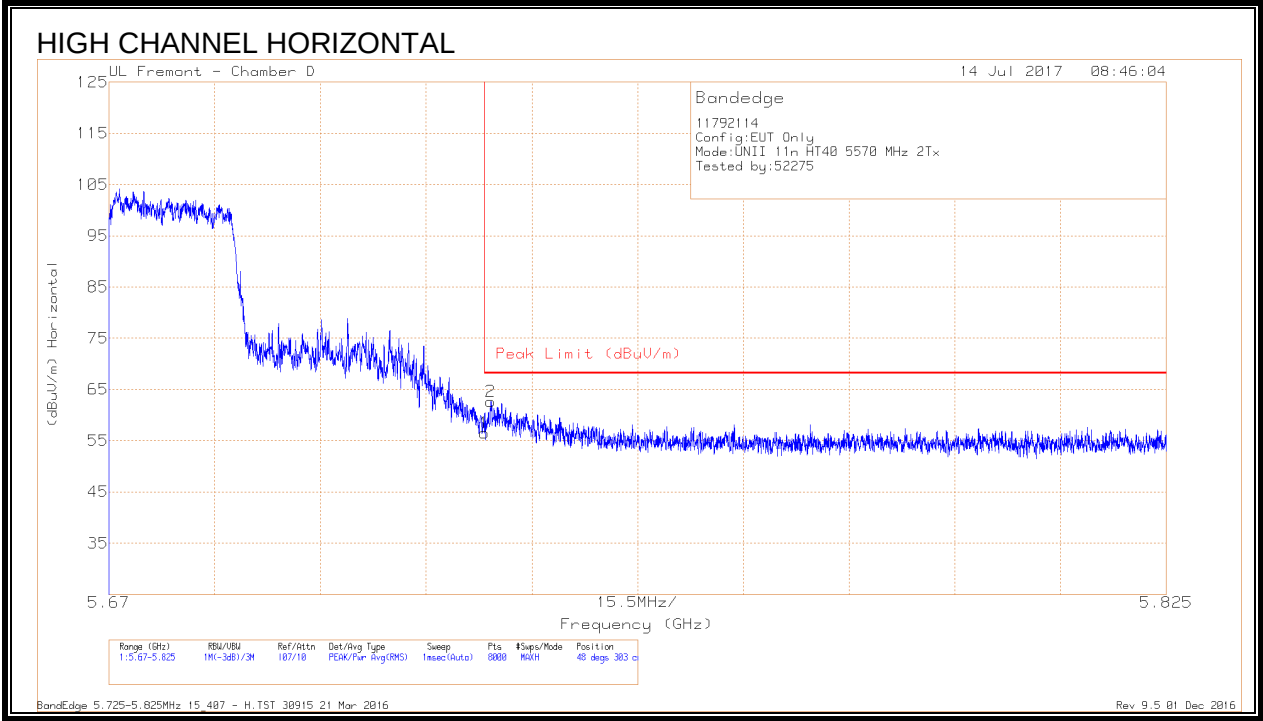
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

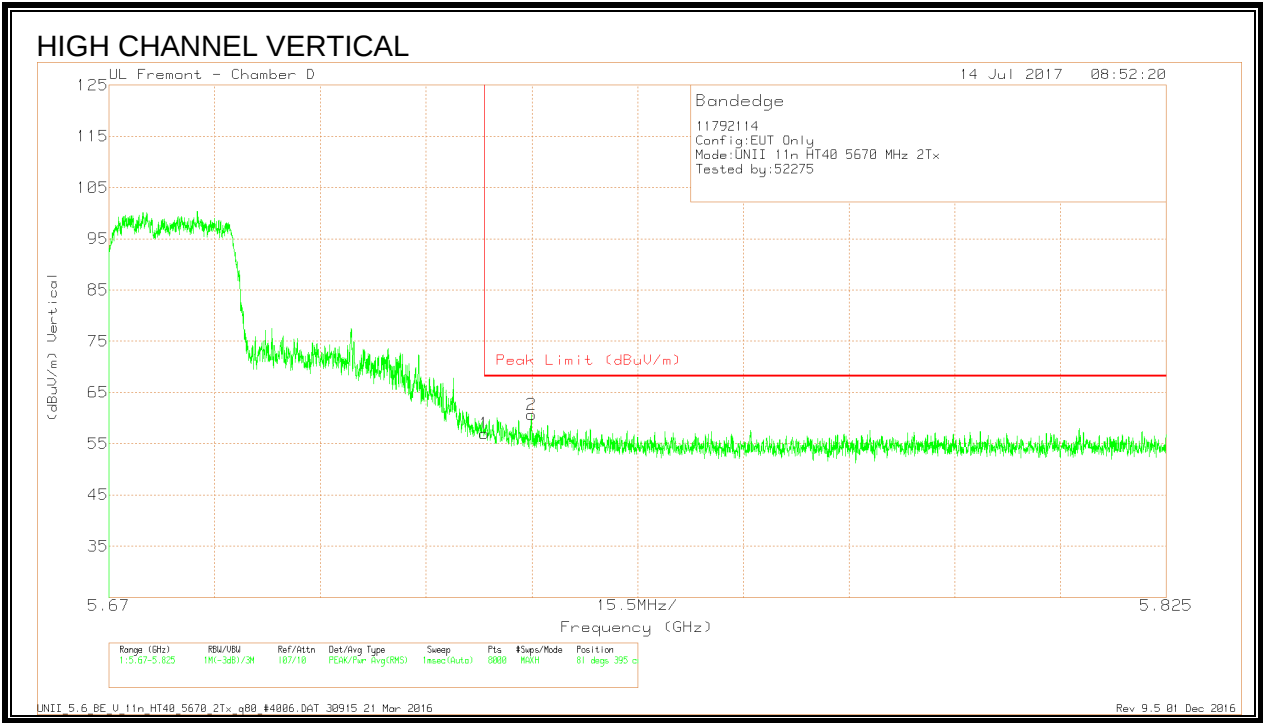
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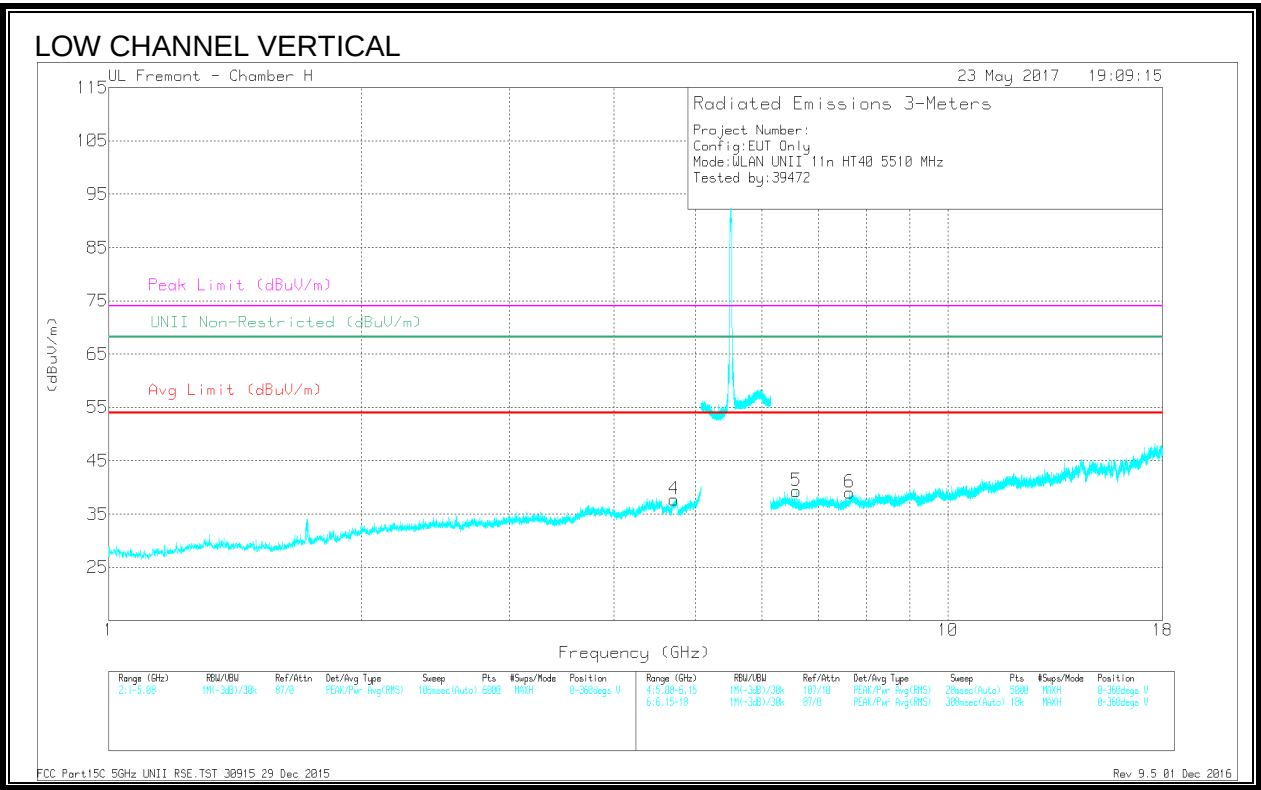
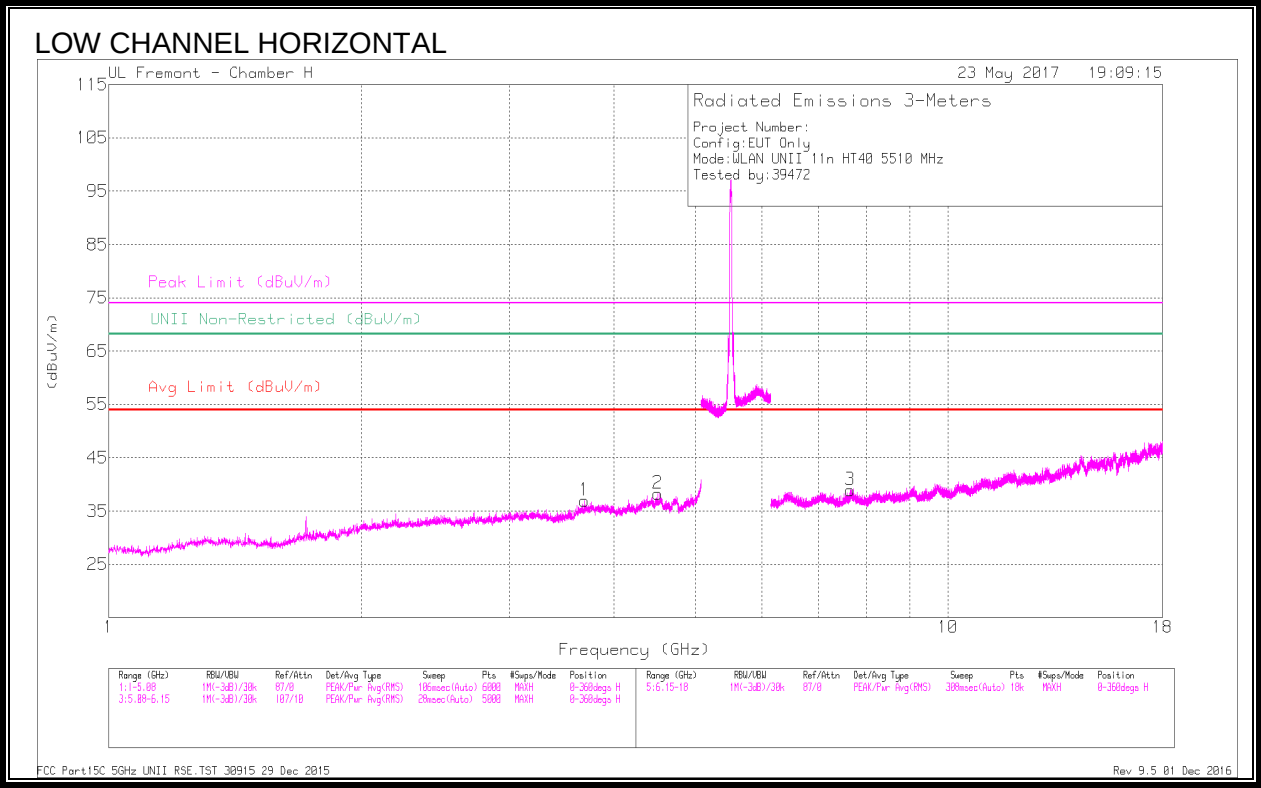
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	39.23	Pk	34.8	-17.5	0	56.53	68.2	-11.67	48	303	H
2	5.726	45.39	Pk	34.8	-17.5	0	62.69	68.2	-5.51	48	303	H

Pk - Peak detector
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Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	39.7	Pk	34.8	-17.5	0	57	68.2	-11.2	81	395	V
2	5.732	43.37	Pk	34.8	-17.5	0	60.67	68.2	-7.53	81	395	V

Pk - Peak detector
BandEdge 5.725-5.825MHz 15_407 - V.TST 30915 21 Mar 2016
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Marker	Frequency (GHz)	Measurement Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/FI tri/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	* 3.687	45.81	PK-U	33	-36.1	0	42.71	-	-	74	-31.29	-	-	249	270	H
	* 3.688	34.58	ADR	33	-36.1	.1	31.58	54	-22.42	-	-	-	-	249	270	H
2	* 4.511	44.75	PK-U	34.3	-34.7	0	44.35	-	-	74	-29.65	-	-	183	232	H
	* 4.51	33.24	ADR	34.3	-34.7	.1	32.94	54	-21.06	-	-	-	-	183	232	H
3	* 7.651	40.39	PK-U	36.2	-30.6	0	45.99	-	-	74	-28.01	-	-	273	118	H
	* 7.652	28.9	ADR	36.2	-30.6	.1	34.6	54	-19.4	-	-	-	-	273	118	H
4	* 4.718	43.81	PK-U	34.1	-34.3	0	43.61	-	-	74	-30.39	-	-	143	285	V
	* 4.718	32.15	ADR	34.1	-34.3	.1	32.05	54	-21.95	-	-	-	-	143	285	V
5	6.589	40.53	PK-U	35.5	-32	0	44.03	-	-	-	-	68.2	-24.17	325	321	V
	6.59	29.49	ADR	35.5	-32	.1	33.09	-	-	-	-	-	-	325	321	V
6	* 7.627	40.07	PK-U	36.1	-30.9	0	45.27	-	-	74	-28.73	-	-	225	215	V
	* 7.627	28.69	ADR	36.1	-30.9	.1	33.99	54	-20.01	-	-	-	-	225	215	V

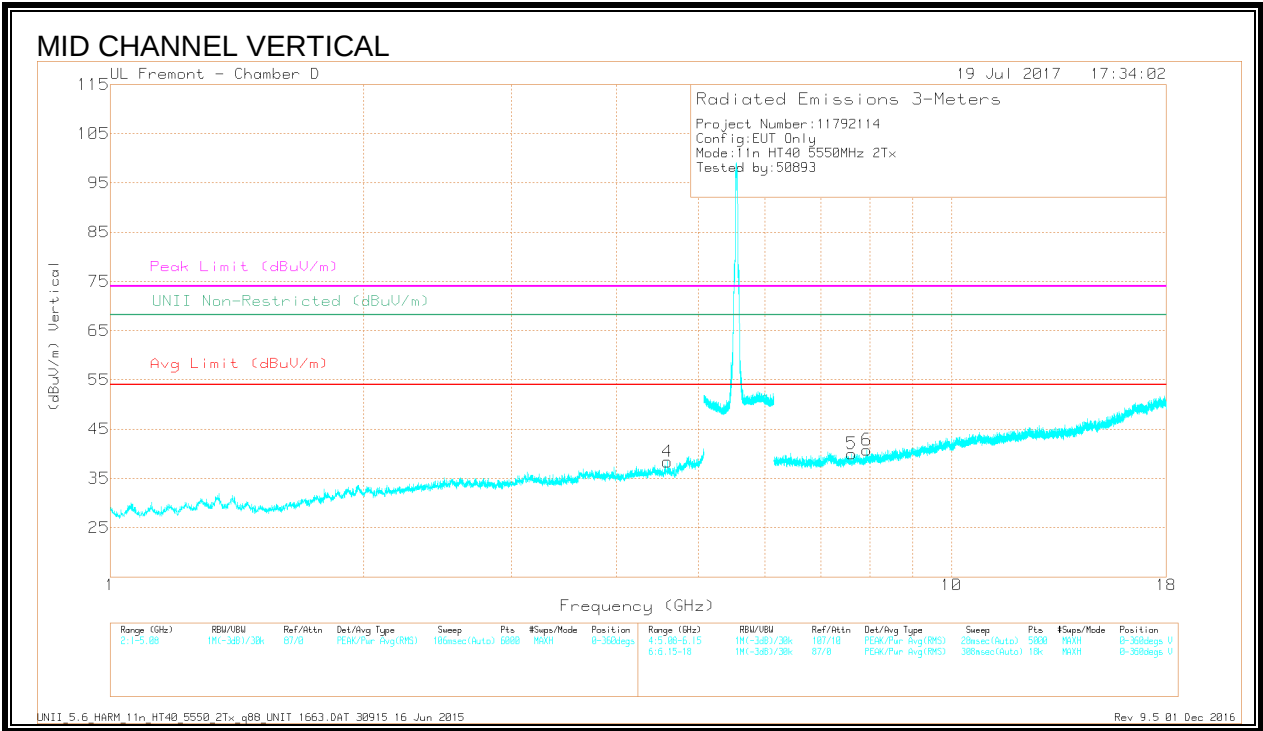
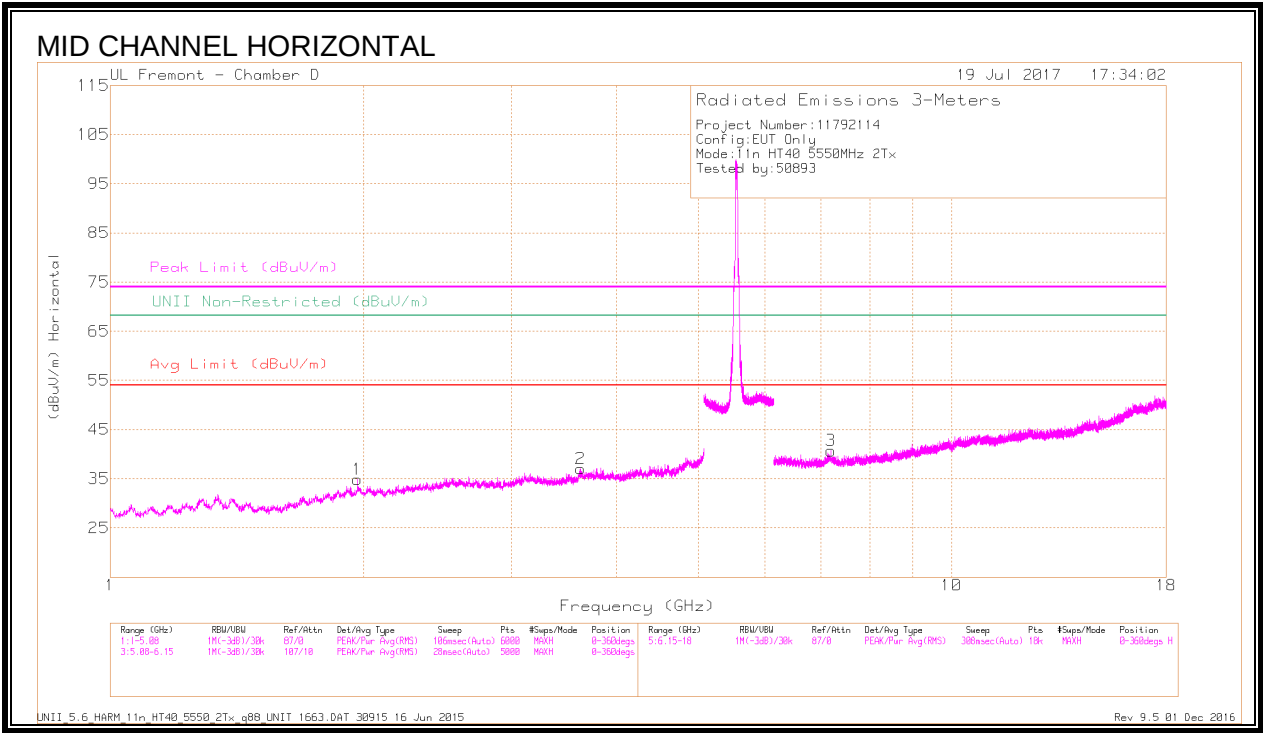
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

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Marker	Frequency (GHz)	Measurement Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cbl/FI tri/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	* 3.63	39.31	PK-U	33.1	-29	0	43.41	-	-	74	-30.59	-	-	215	368	H
	* 3.623	26.79	ADR	33.1	-29.1	.1	30.89	54	-23.11	-	-	-	-	215	368	H
4	* 4.592	37.53	PK-U	33.7	-27.1	0	44.13	-	-	74	-29.87	-	-	200	378	V
	* 4.589	26.21	ADR	33.7	-27.2	.1	32.81	54	-21.19	-	-	-	-	200	378	V
5	* 7.613	36.04	PK-U	35.6	-25.5	0	46.14	-	-	74	-27.86	-	-	86	377	V
	* 7.615	24.42	ADR	35.6	-25.5	.1	34.62	54	-19.38	-	-	-	-	86	377	V
1	1.967	40.63	PK-U	31.4	-30.9	0	41.13	-	-	-	-	68.2	-27.07	69	338	H
	1.974	28.44	ADR	31.4	-30.7	.1	29.24	-	-	-	-	-	-	69	338	H
3	7.187	23.86	ADR	35.5	-23.8	.1	35.66	-	-	-	-	-	-	147	136	H
	7.196	35.59	PK-U	35.5	-24	0	47.09	-	-	-	-	68.2	-21.11	147	136	H
6	7.924	24.03	ADR	35.6	-24.6	.1	35.13	-	-	-	-	-	-	277	142	V
	7.936	35.6	PK-U	35.6	-24.1	0	47.1	-	-	-	-	68.2	-21.1	277	142	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_5.6_HARM_11n_HT40_5550_2Tx_q88_UNIT 1663.DAT 30915 16 Jun 2015

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