

8.36. 11ac HT80 2TX CDD MIMO STRADDLE CHANNEL 138 RESULTS

8.36.1. OUTPUT POWER AND PSD

UNII-2C BAND

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm)
138	5690	75.90	-0.85	2.16	24.00	11.00

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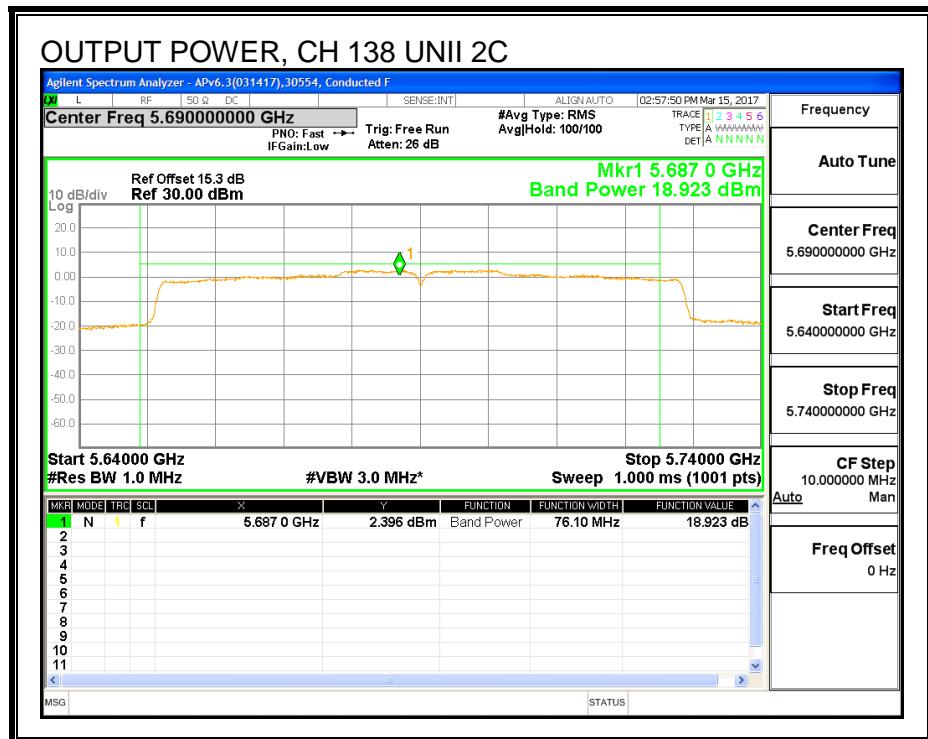
Output Power Results

Channel	Frequency (MHz)	UAT 2 Meas Power (dBm)	LAT 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
138	5690	18.92	18.95	22.13	24.00	-1.87

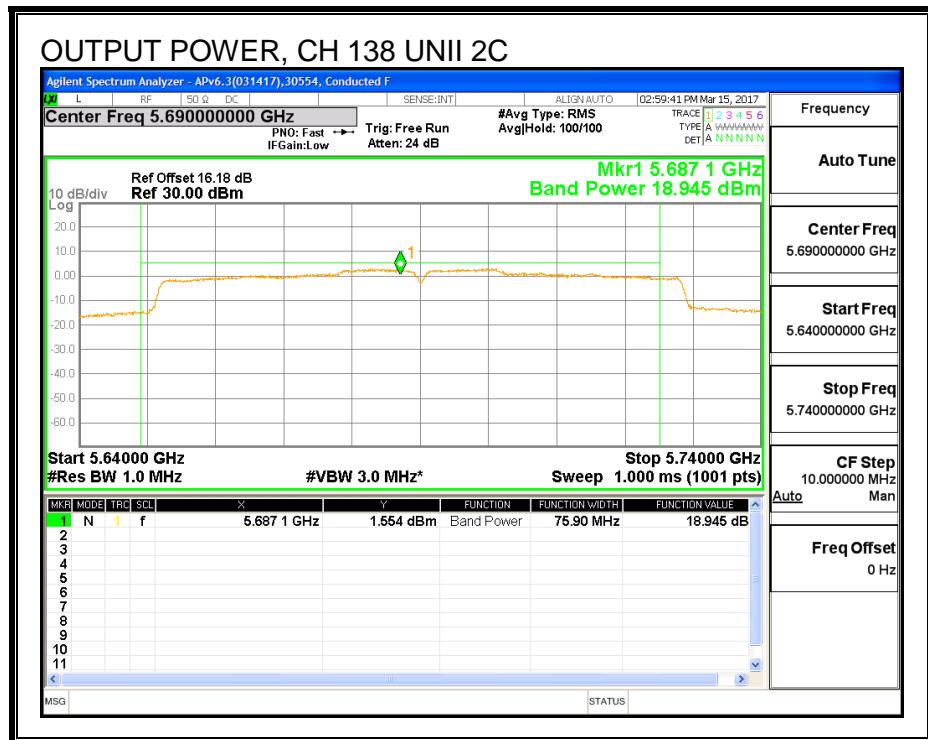
PSD Results

Channel	Frequency (MHz)	UAT 2 Meas PSD (dBm)	LAT 3 Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
138	5690	2.88	2.87	6.07	11.00	-4.93

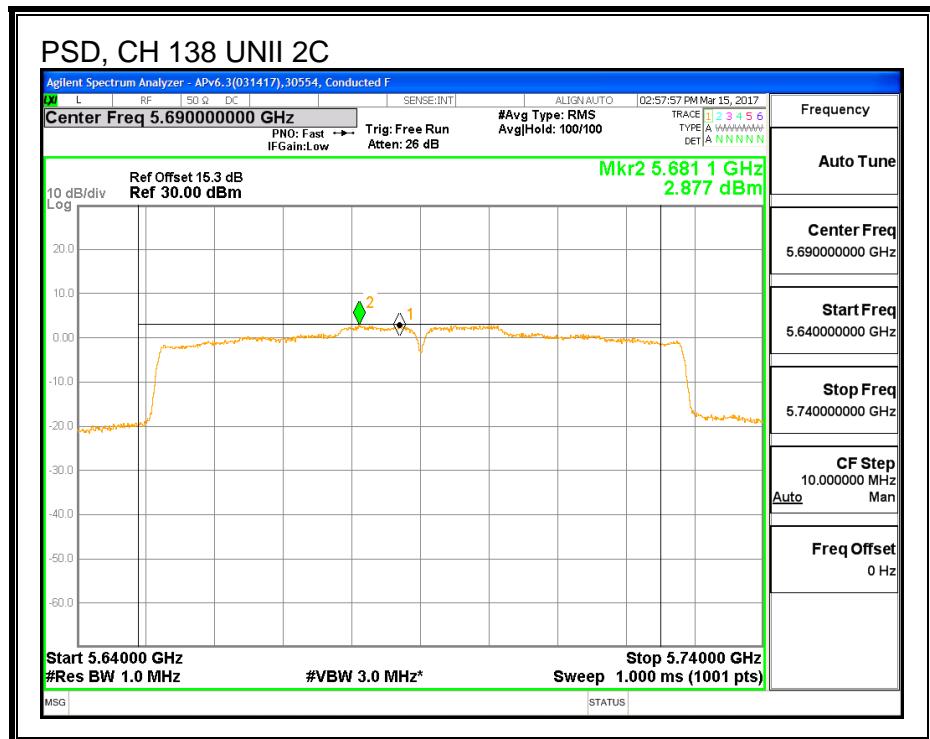
OUTPUT POWER, UAT 2



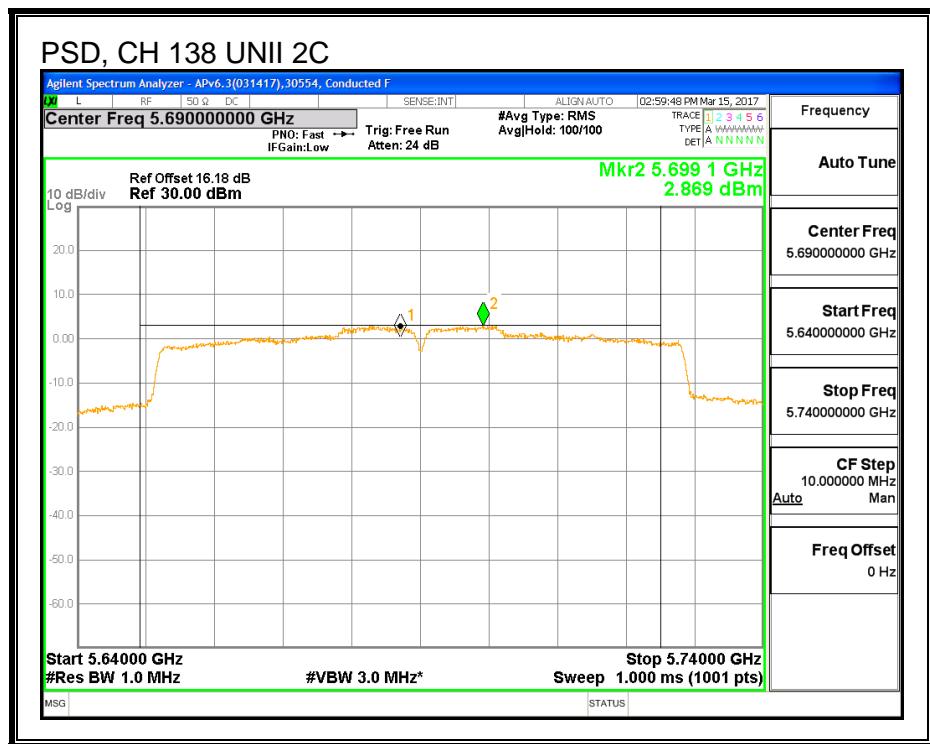
OUTPUT POWER, LAT 3



PSD, UAT 2



PSD, LAT 3



UNII-3 BAND

Antenna Gain and Limit

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm)
138	5690	5.90	-0.05	2.92	30.00	30.00

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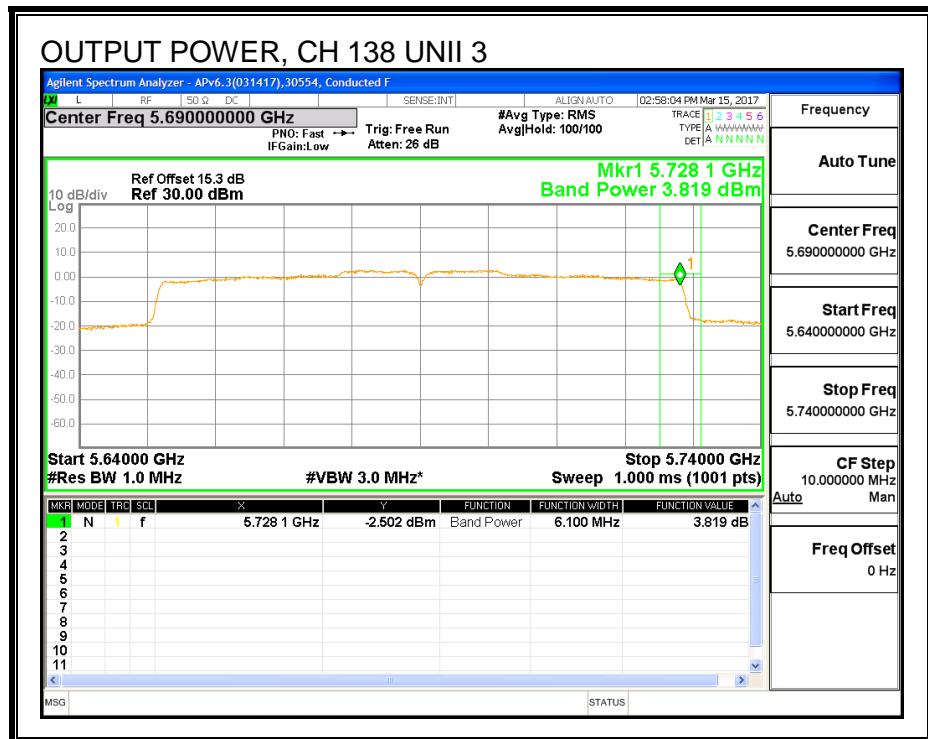
Output Power Results

Channel	Frequency (MHz)	UAT 2 Meas Power (dBm)	LAT 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
138	5690	3.82	4.11	7.17	30.00	-22.83

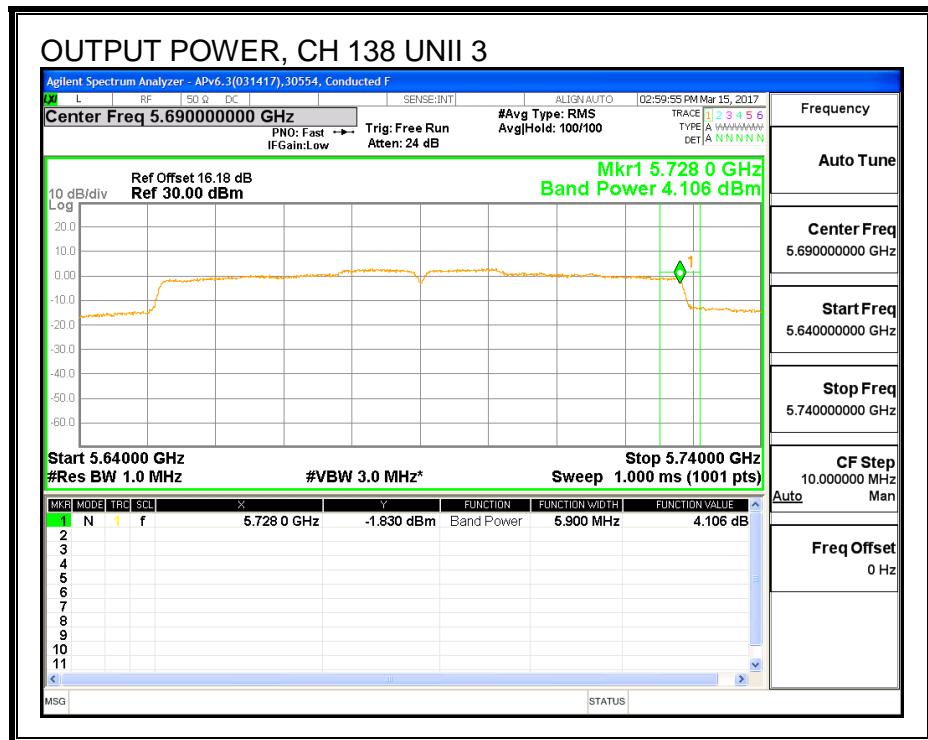
PSD Results

Channel	Frequency (MHz)	UAT 2 Meas PSD (dBm)	LAT 3 Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
138	5690	-3.46	-2.36	0.33	30.00	-29.67

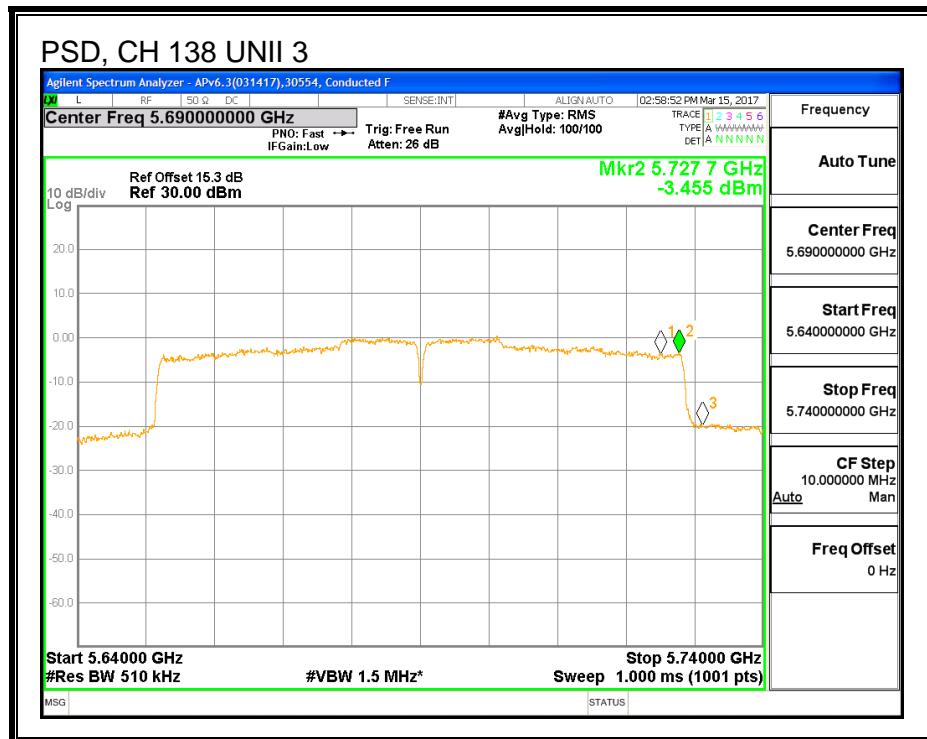
OUTPUT POWER, UAT 2



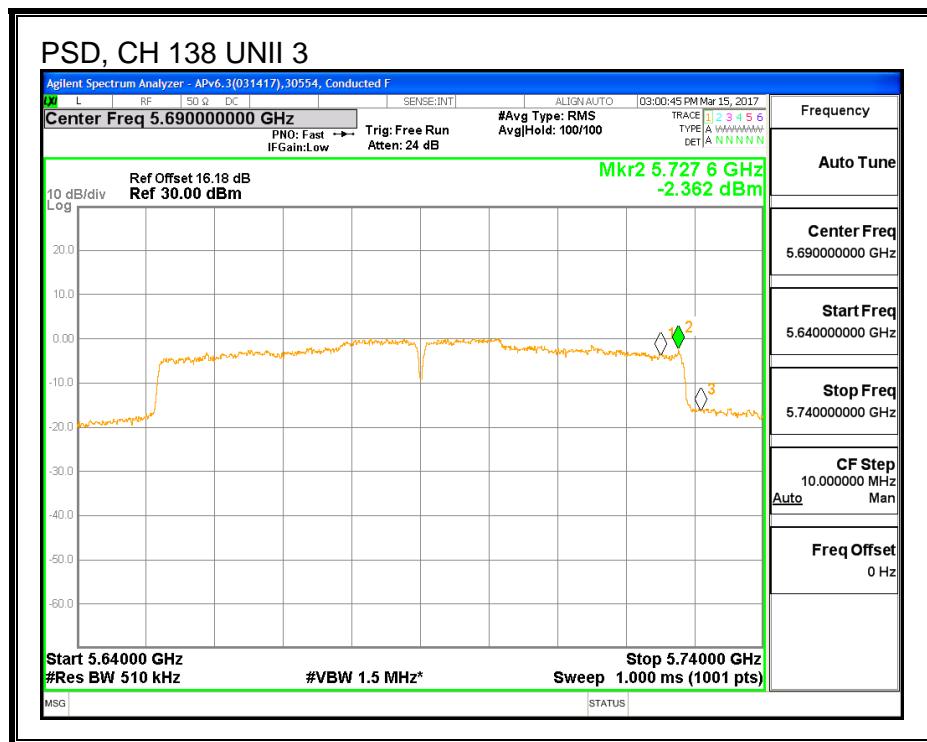
OUTPUT POWER, LAT 3



PSD, UAT 2



PSD, LAT 3



8.36.2. 6 dB BANDWIDTH

LIMITS

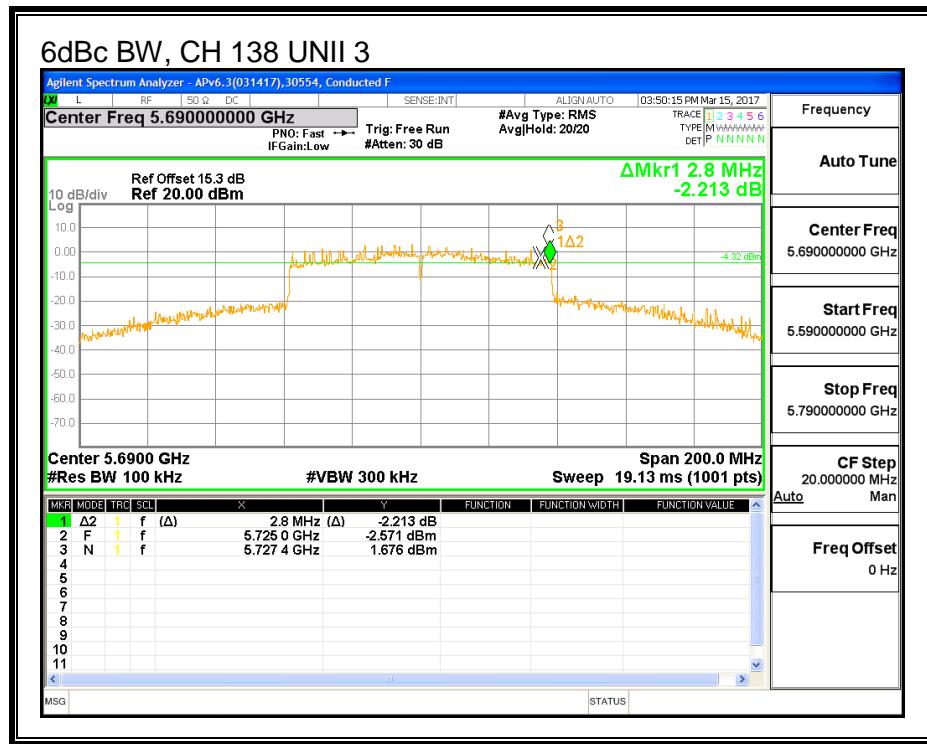
FCC §15.407 (e)

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

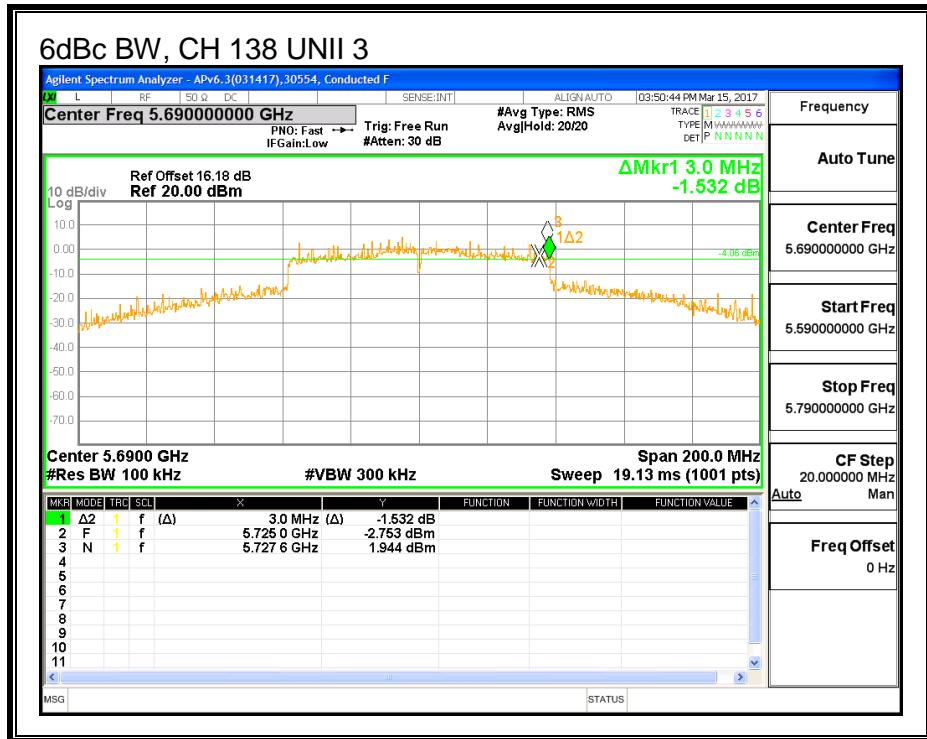
RESULTS

Channel	Frequency (MHz)	6 dB BW UAT 2 (MHz)	6 dB BW LAT 3 (MHz)
High	5690	2.80	3.00

UAT 2



LAT 3



8.37. 11n HT20 UAT 2 SISO MODE IN THE 5.8GHz BAND

8.37.1. 6 dB BANDWIDTH

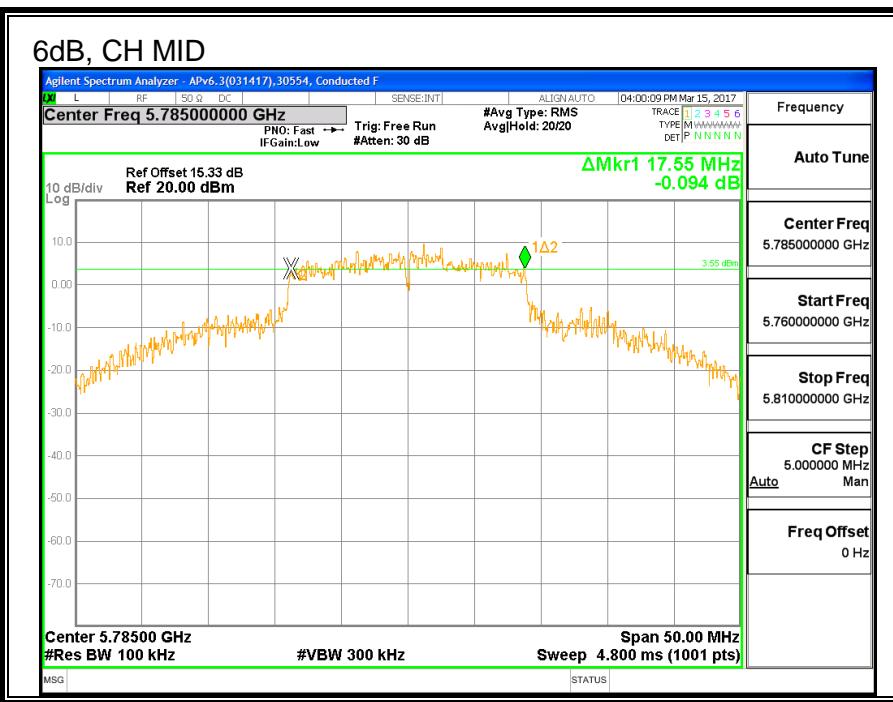
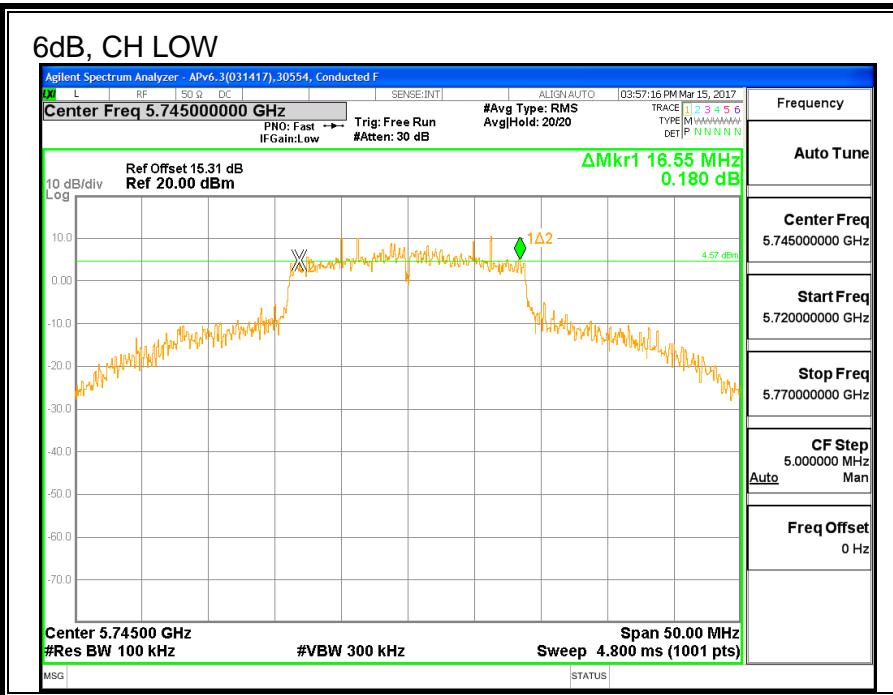
LIMITS

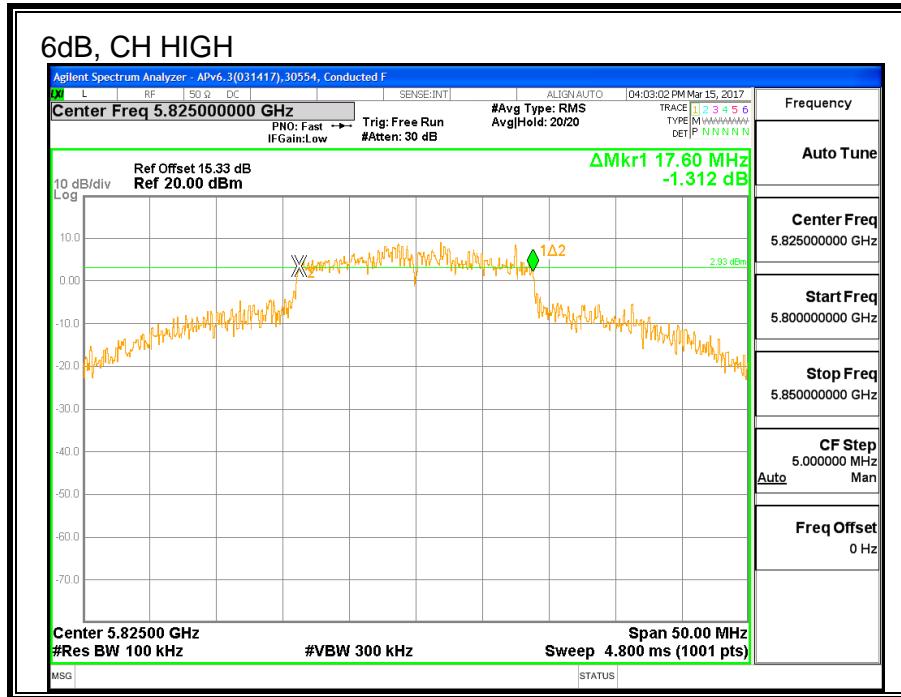
FCC §15.407 (e)

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

RESULTS

Channel	Frequency	6 dB BW UAT 2 (MHz)	Minimum Limit (MHz)
Low	5745	16.55	0.5
Mid	5785	17.55	0.5
High	5825	17.60	0.5





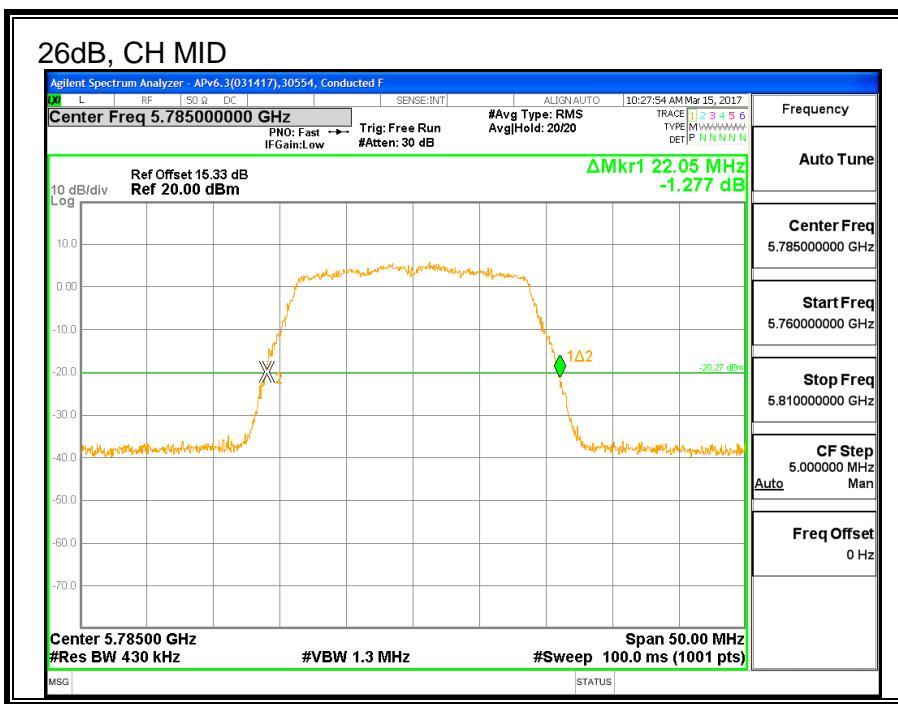
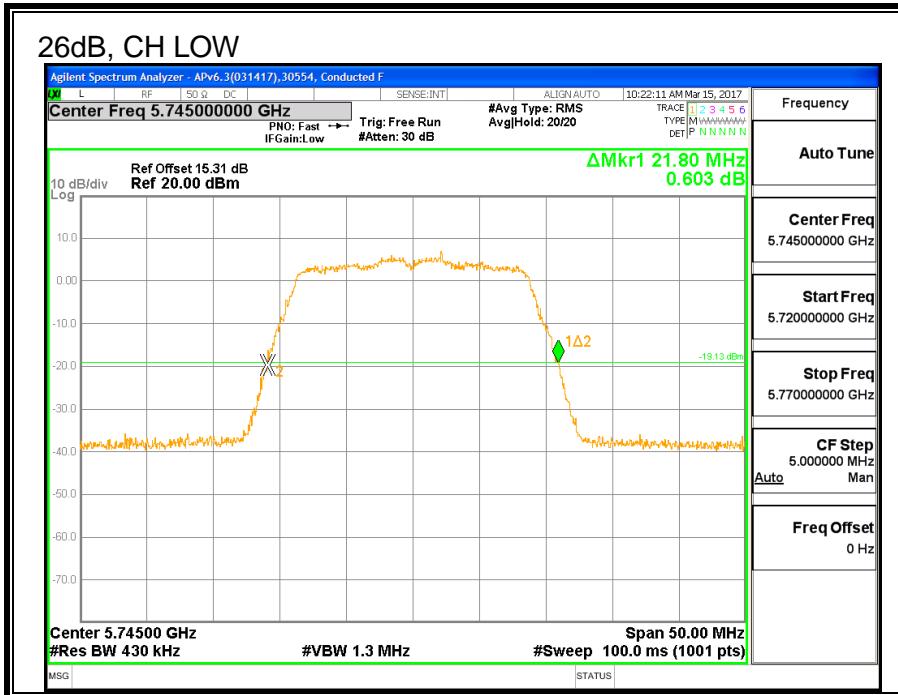
8.37.2. 26 dB BANDWIDTH

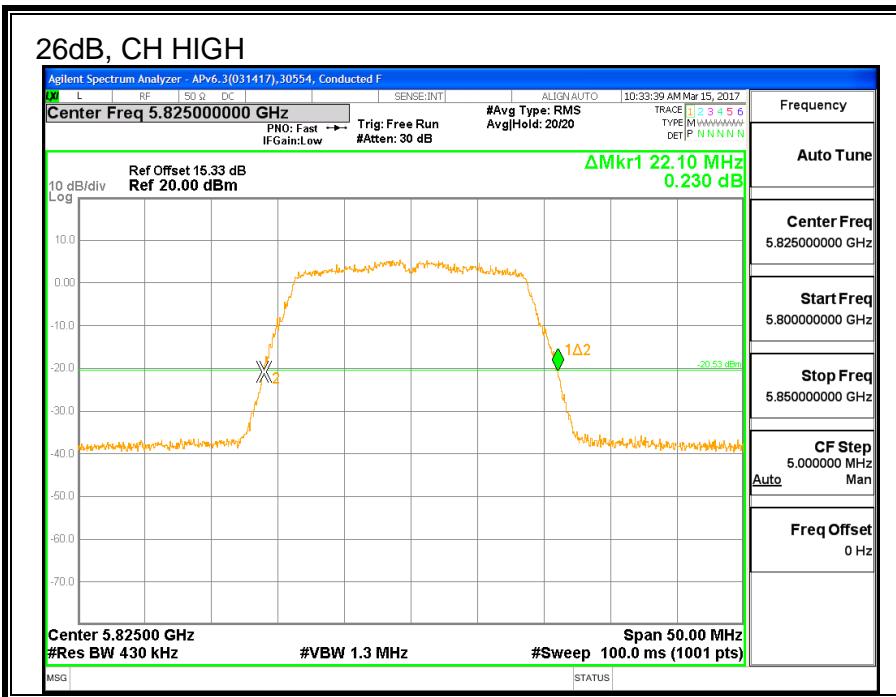
LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency	26 dB BW UAT 2 (MHz)
Low	5745	21.80
Mid	5785	22.05
High	5825	22.10





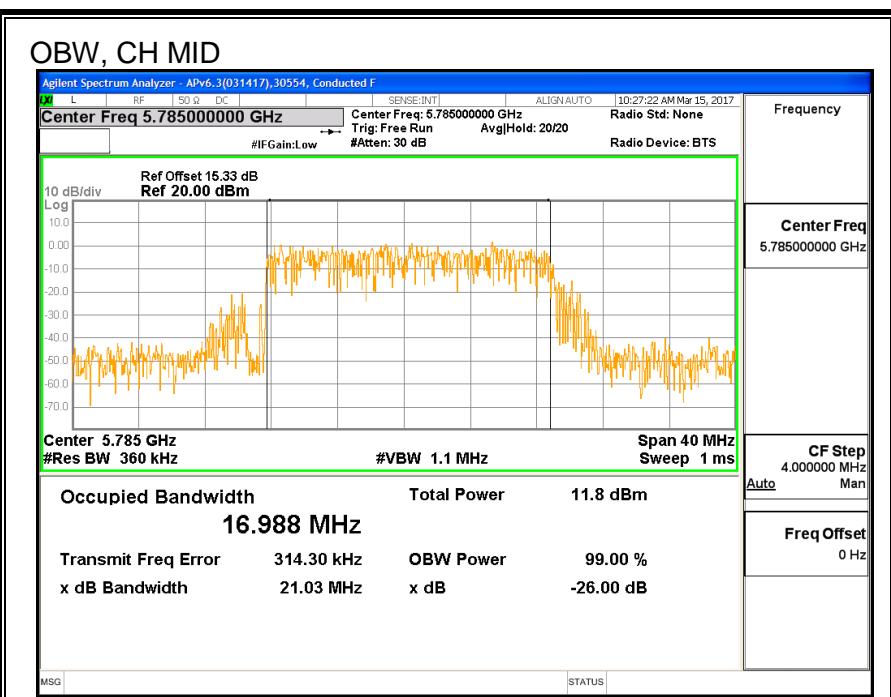
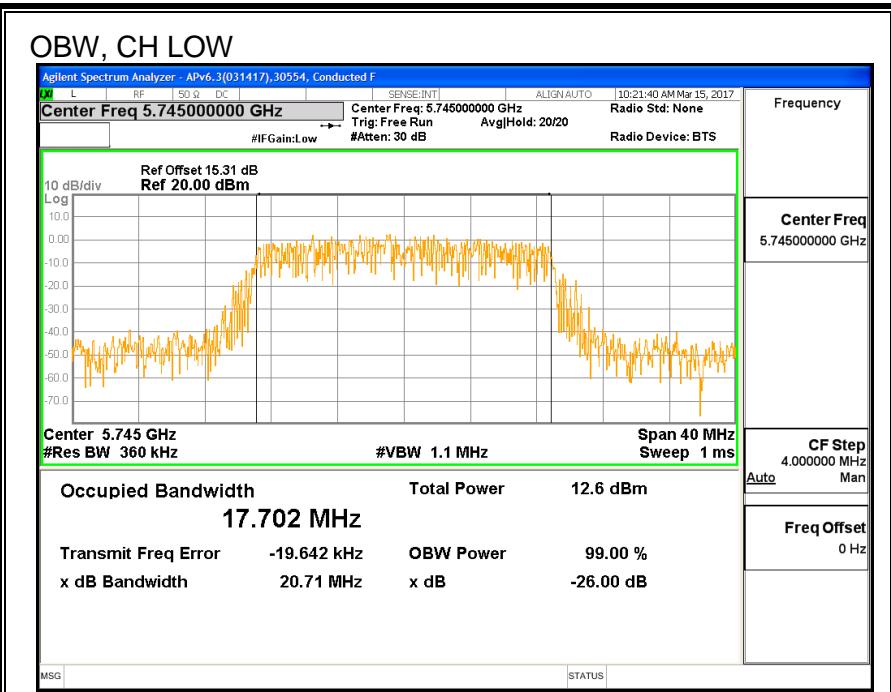
8.37.3. 99% BANDWIDTH

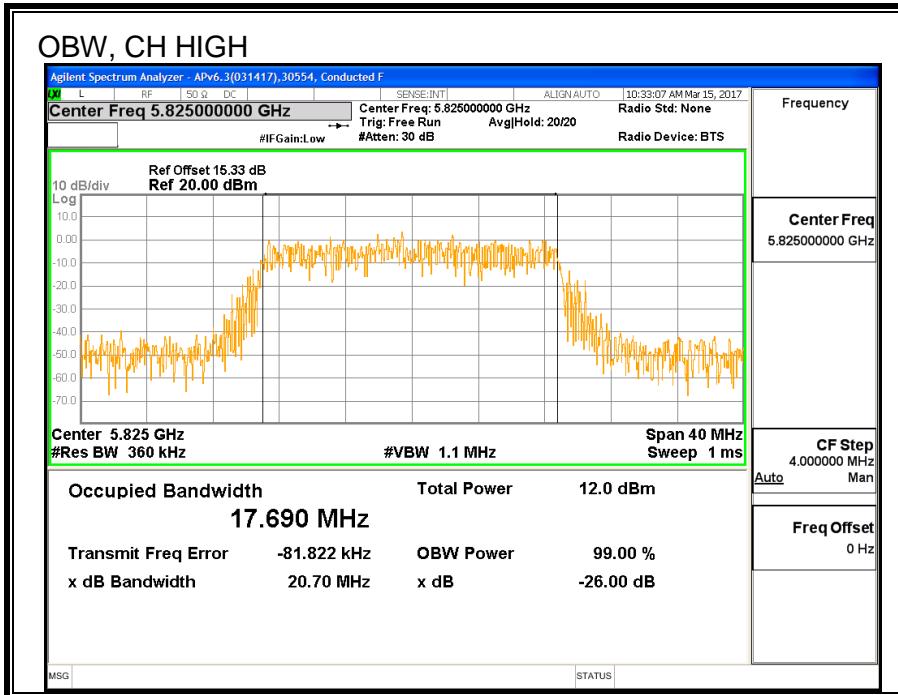
LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency	99% BW UAT 2 (MHz)
Low	5745	17.702
Mid	5785	16.988
High	5825	17.690





8.37.4. AVERAGE POWER

ID:	39472	Date:	6/11/17
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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	5745	19.79
Mid	5785	20.76
High	5825	19.36

8.37.5. OUTPUT POWER

LIMITS

FCC §15.407 (a) (3)

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

TEST PROCEDURE

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

DIRECTIONAL ANTENNA GAIN

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

RESULTS

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)
Low	5745	0.68	30.00
Mid	5785	0.68	30.00
High	5825	0.68	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	5745	19.79	19.79	30.00	-10.21
Mid	5785	20.76	20.76	30.00	-9.24
High	5825	19.36	19.36	30.00	-10.64

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

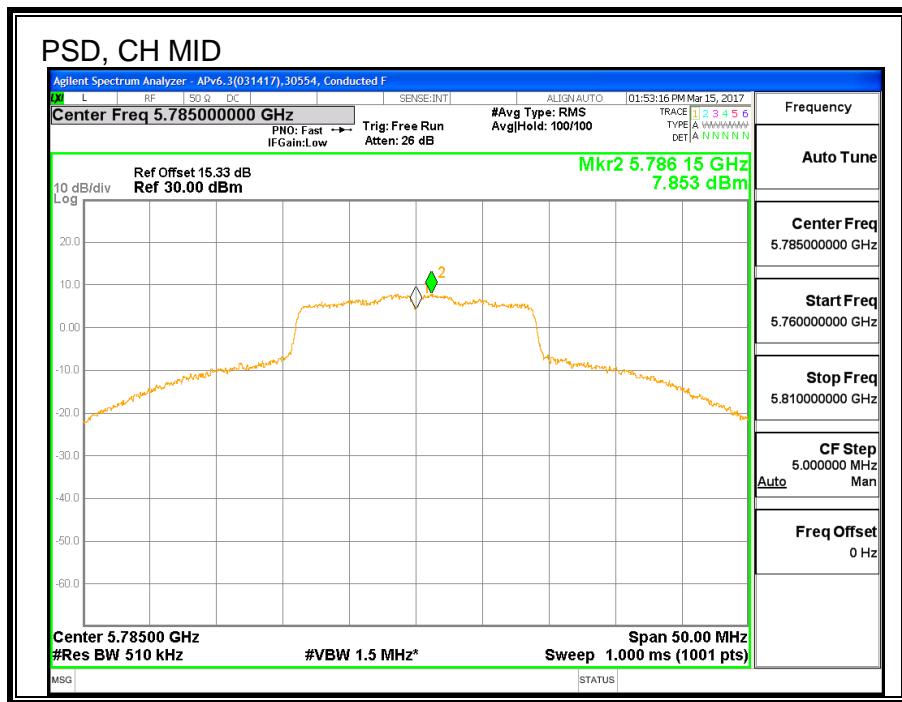
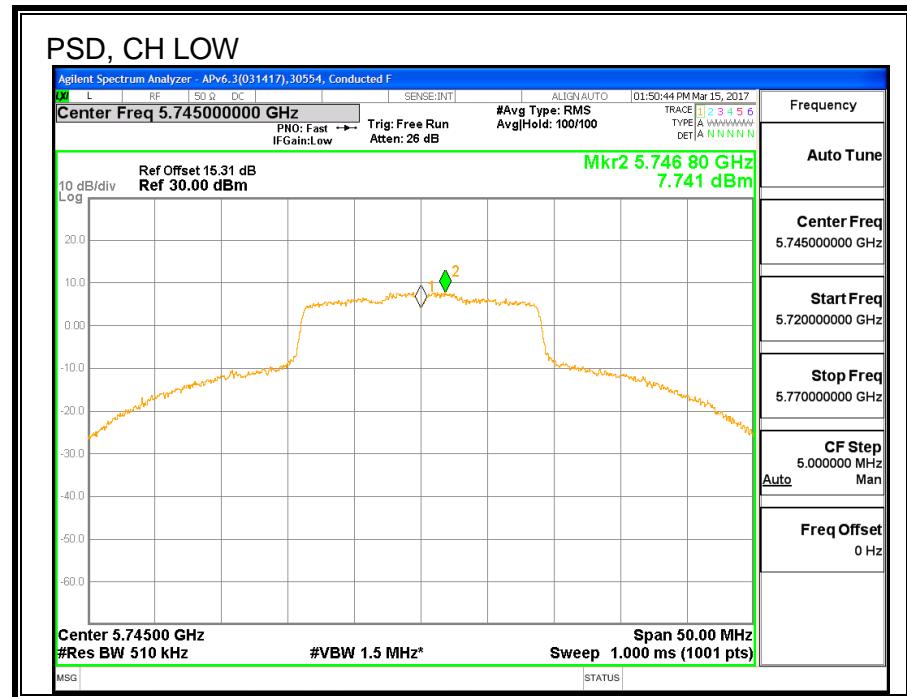
Antenna Gain and Limits

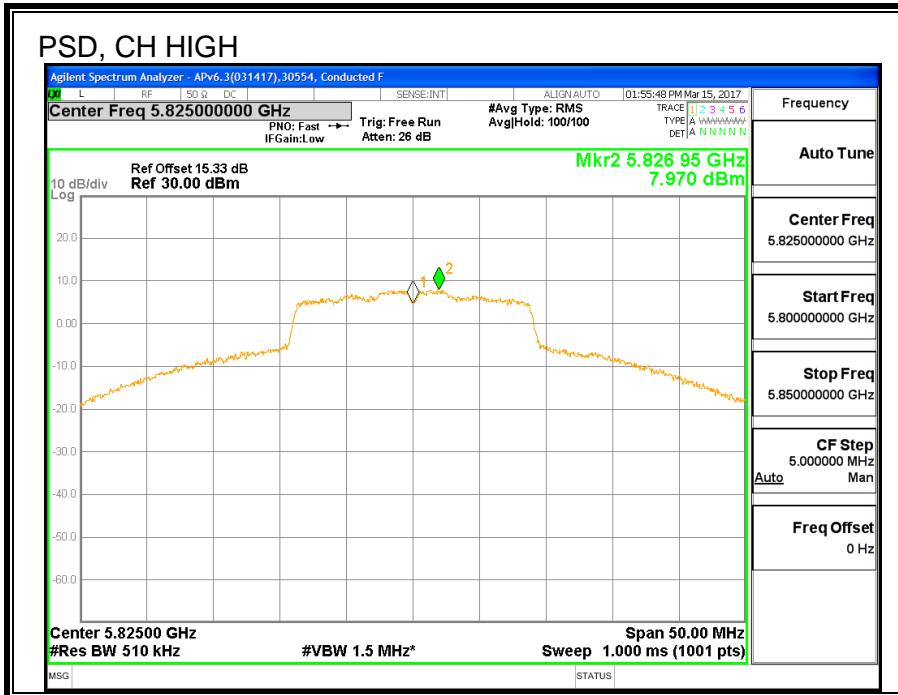
Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm)
Low	5745	0.68	30.00
Mid	5785	0.68	30.00
High	5825	0.68	30.00

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

Channel	Frequency (MHz)	UAT 2 Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Low	5745	7.741	7.741	30.00	-22.26
Mid	5785	7.853	7.853	30.00	-22.15
High	5825	7.970	7.970	30.00	-22.03





8.38. 11n HT20 LAT 3 SISO MODE IN THE 5.8GHz BAND

8.38.1. 6 dB BANDWIDTH

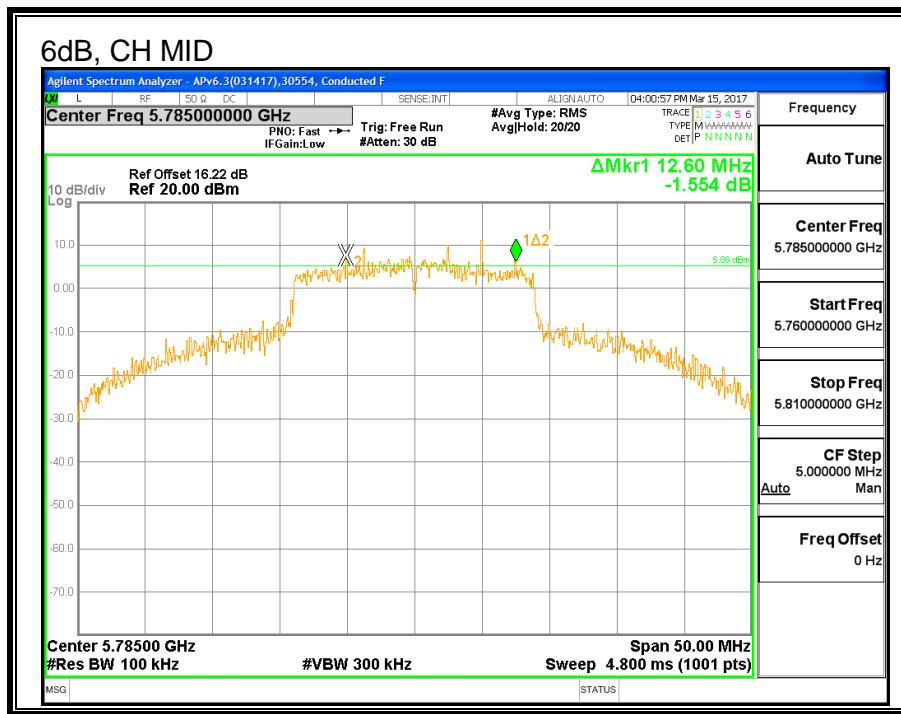
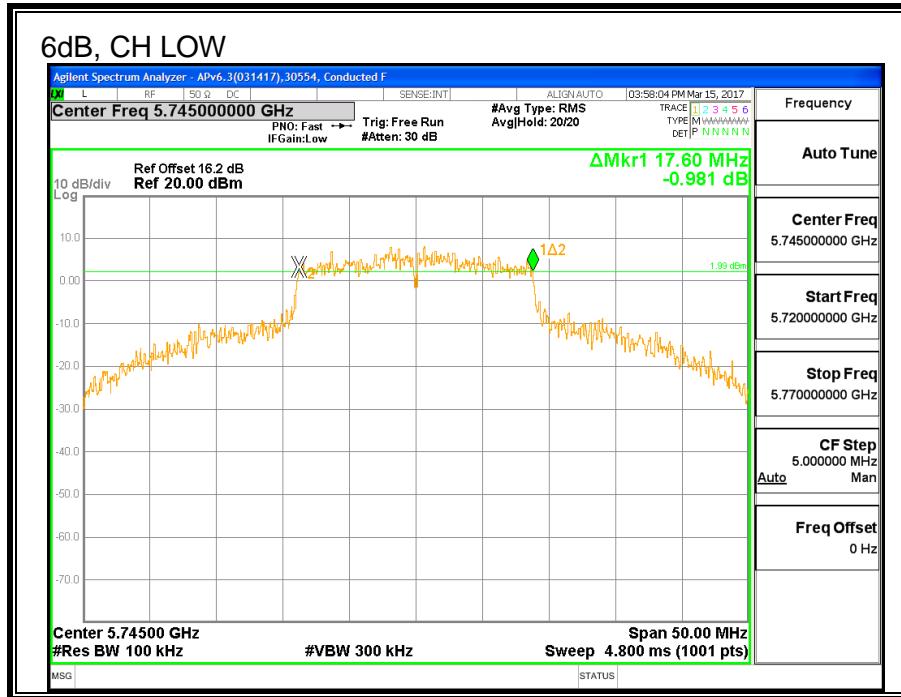
LIMITS

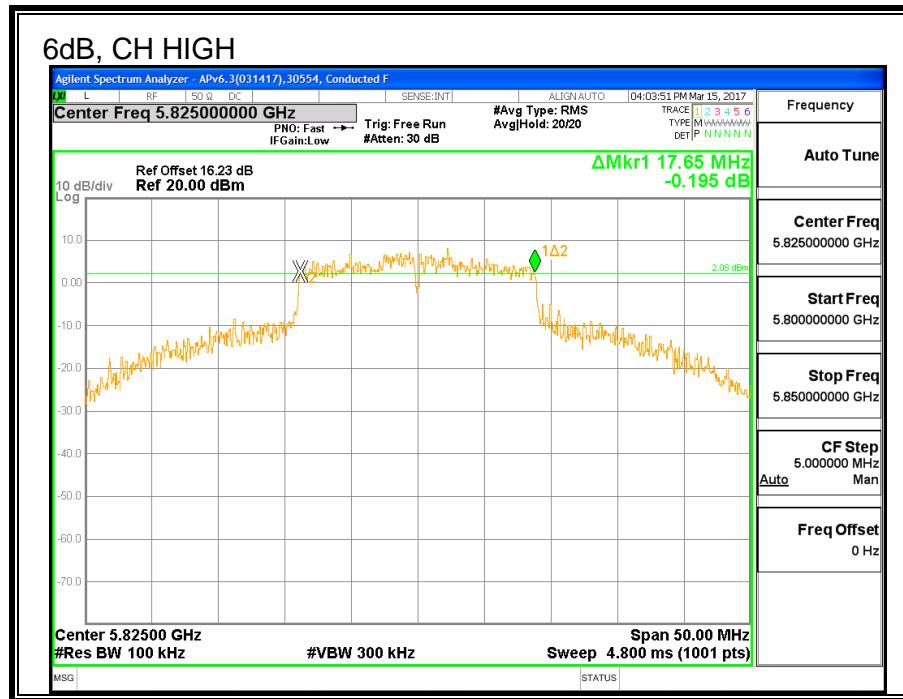
FCC §15.407 (e)

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

RESULTS

Channel	Frequency	6 dB BW LAT 3 (MHz)	Minimum Limit (MHz)
Low	5745	17.60	0.5
Mid	5785	12.60	0.5
High	5825	17.65	0.5





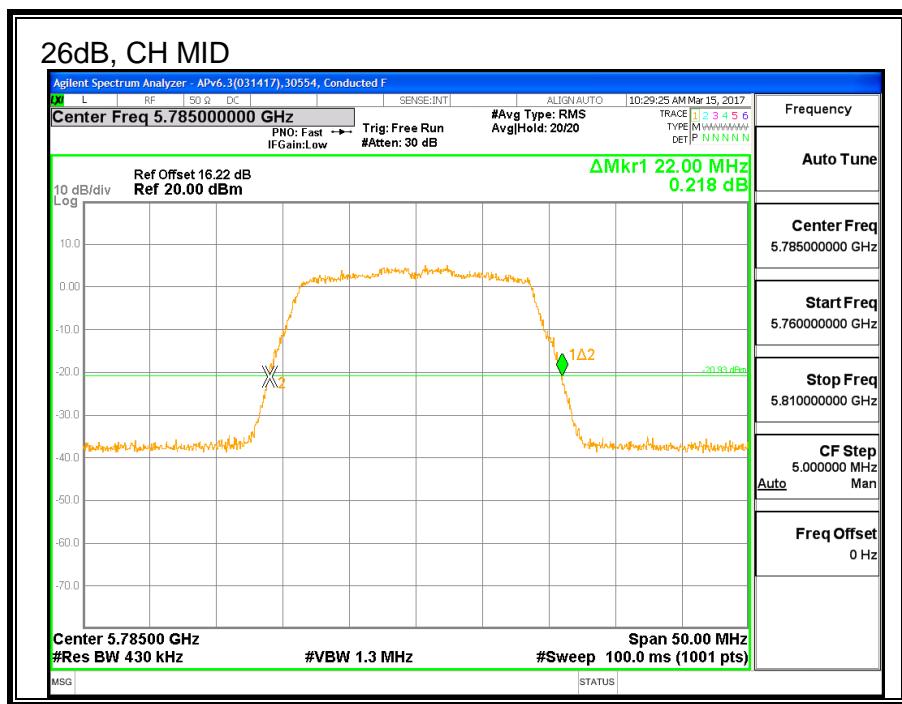
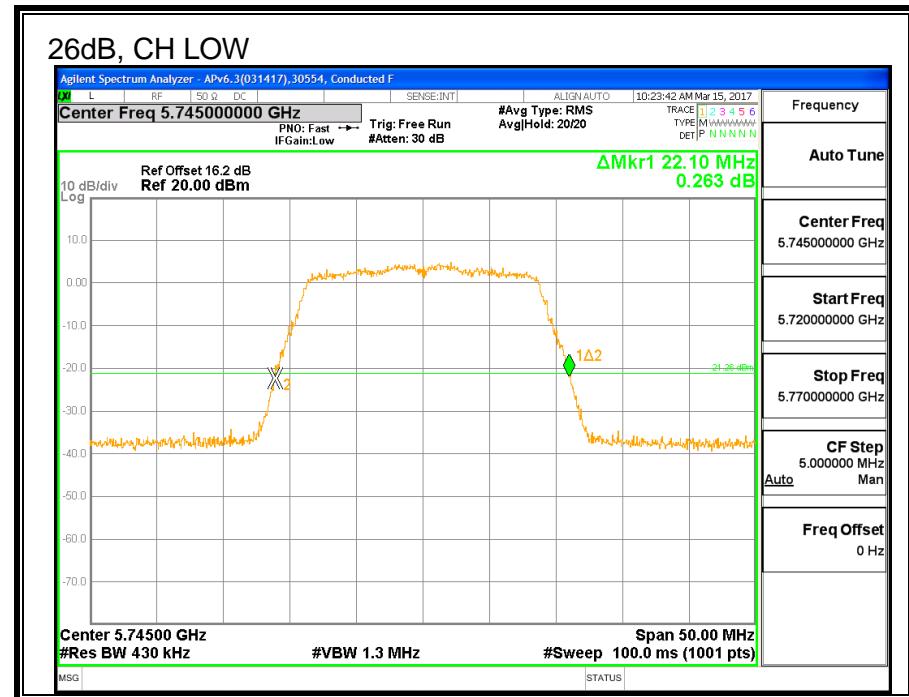
8.38.2. 26 dB BANDWIDTH

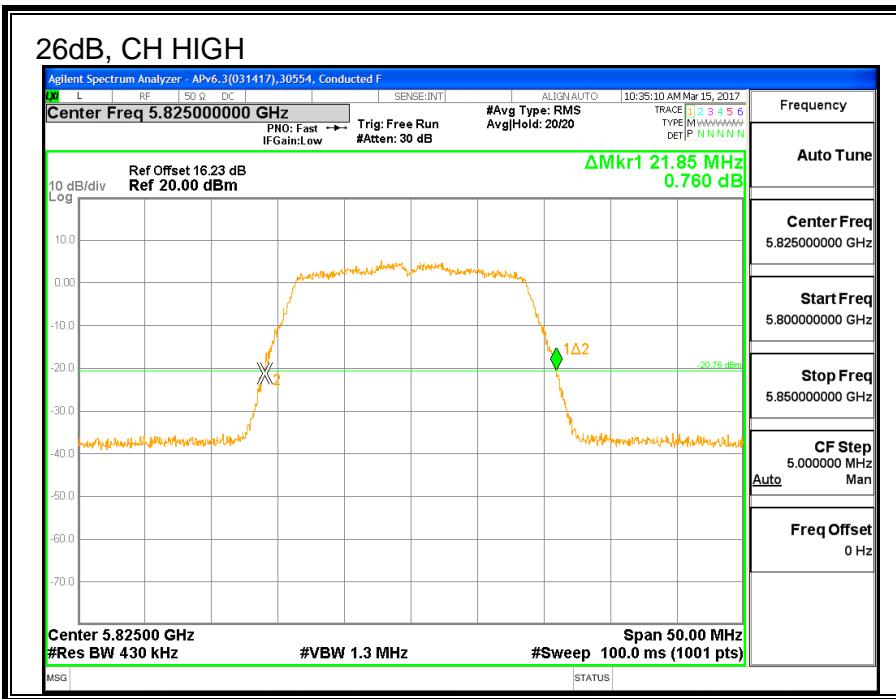
LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency	26 dB BW LAT 3 (MHz)
Low	5745	22.10
Mid	5785	22.00
High	5825	21.85





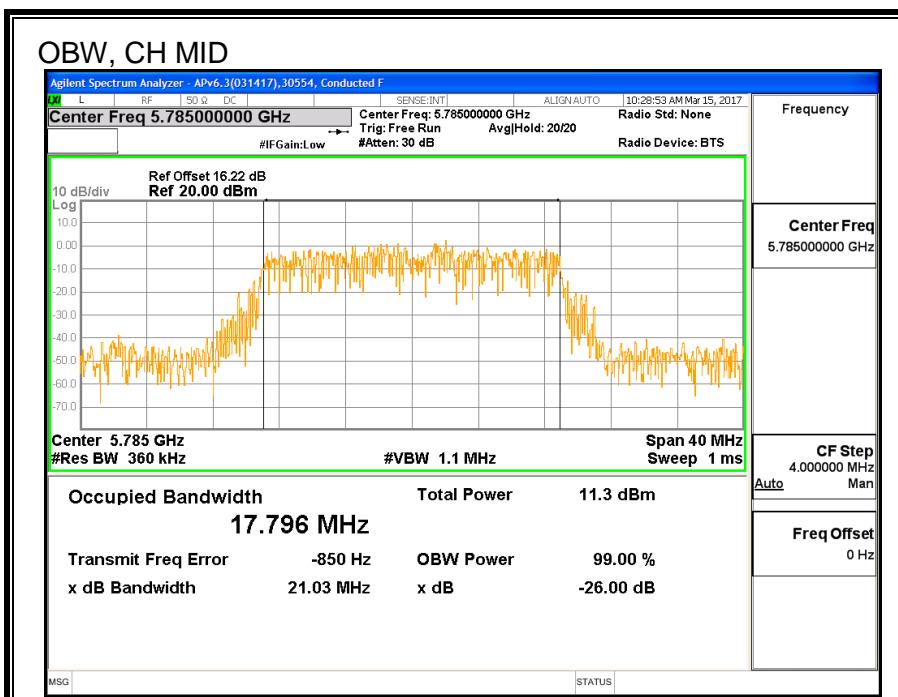
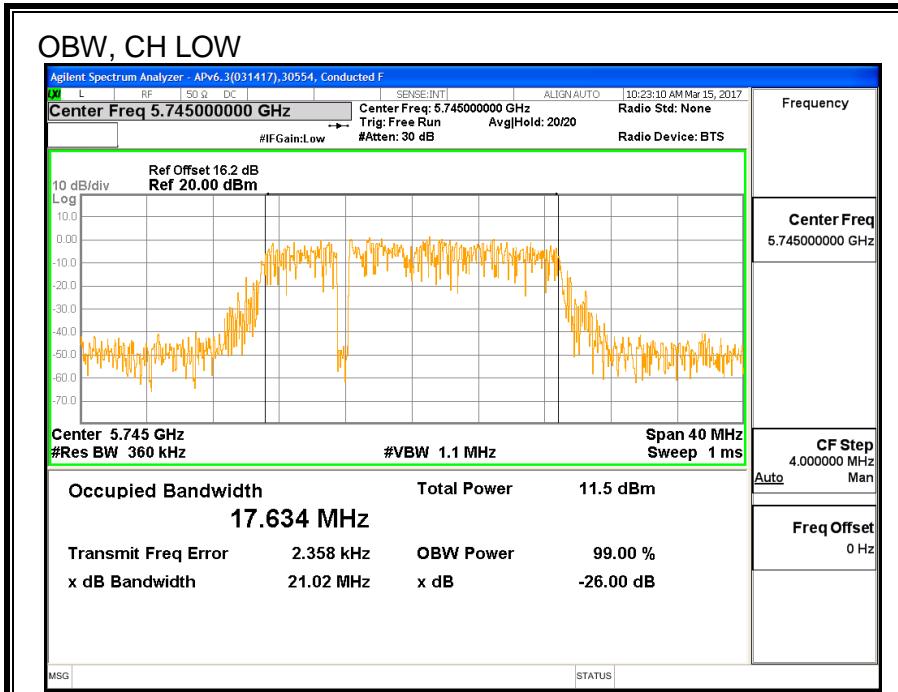
8.38.3. 99% BANDWIDTH

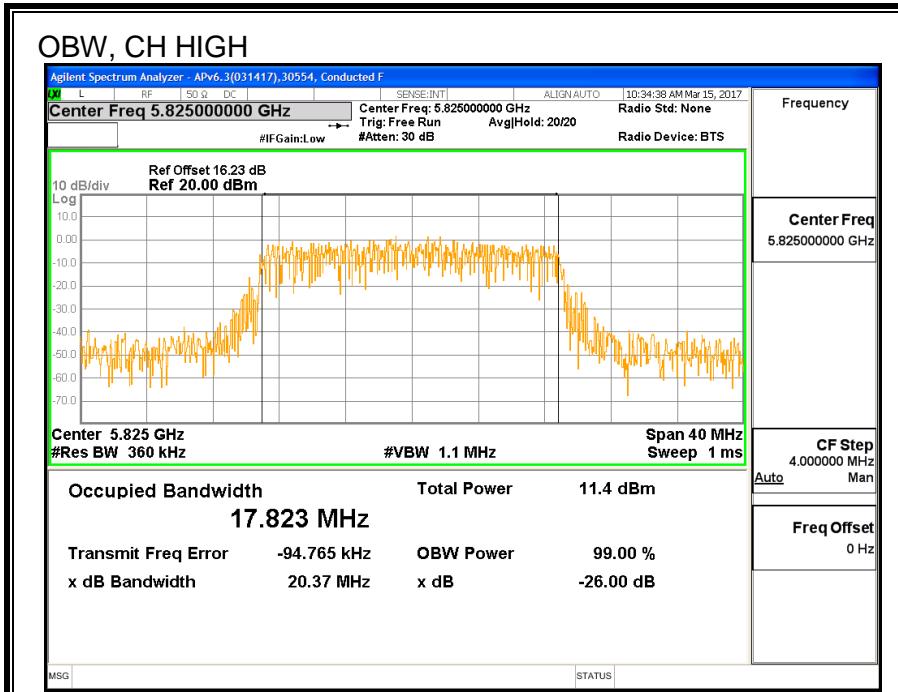
LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency	99% BW LAT 3 (MHz)
Low	5745	17.634
Mid	5785	17.796
High	5825	17.823





8.38.4. AVERAGE POWER

ID:	39472	Date:	6/11/17
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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	19.78
Mid	5785	20.69
High	5825	19.28

8.38.5. OUTPUT POWER

LIMITS

FCC §15.407 (a) (3)

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

TEST PROCEDURE

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

DIRECTIONAL ANTENNA GAIN

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

RESULTS

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)
Low	5745	-0.93	30.00
Mid	5785	-0.93	30.00
High	5825	-0.93	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	19.78	19.78	30.00	-10.22
Mid	5785	20.69	20.69	30.00	-9.31
High	5825	19.28	19.28	30.00	-10.72

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

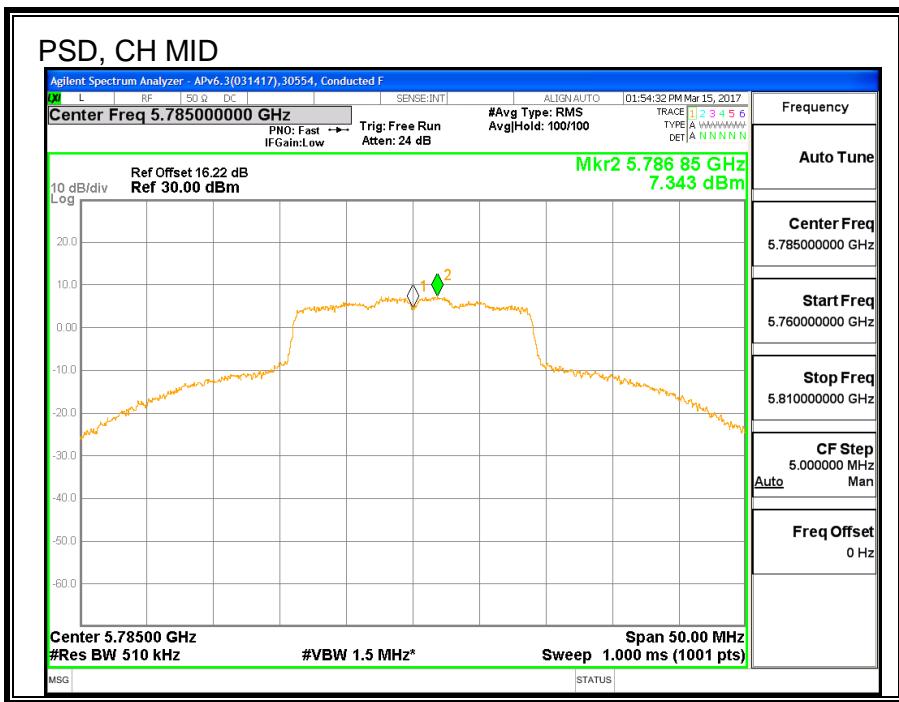
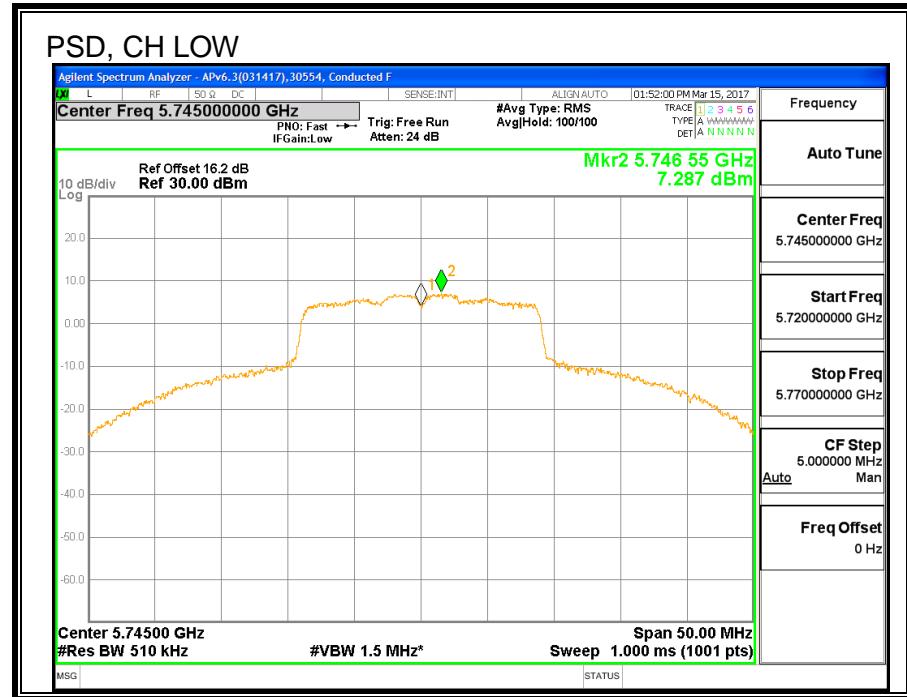
Antenna Gain and Limits

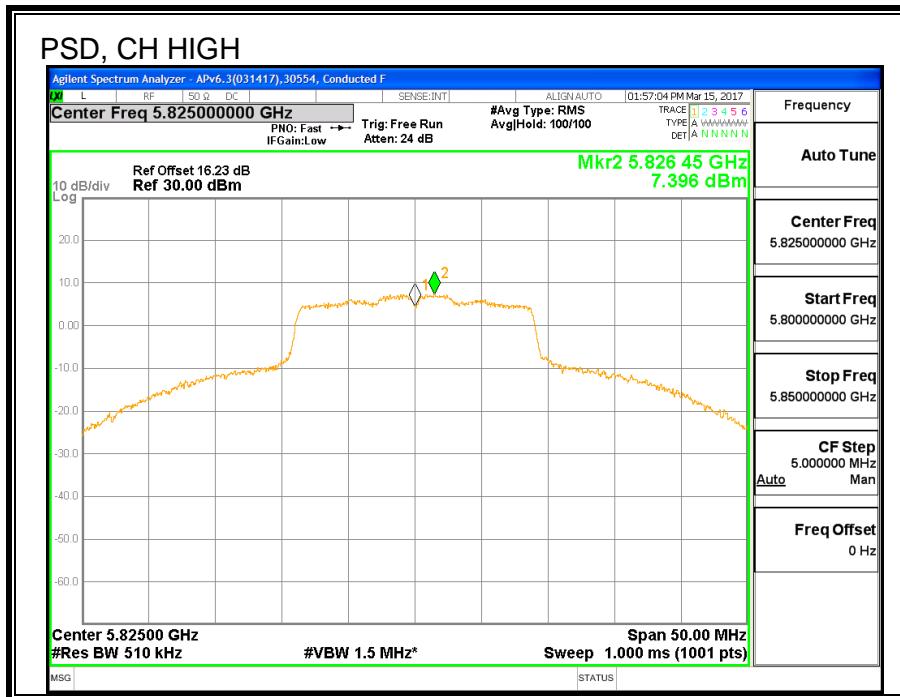
Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm)
Low	5745	-0.93	30.00
Mid	5785	-0.93	30.00
High	5825	-0.93	30.00

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

Channel	Frequency (MHz)	LAT 3 Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Low	5745	7.29	7.29	30.00	-22.71
Mid	5785	7.34	7.34	30.00	-22.66
High	5825	7.40	7.40	30.00	-22.60





8.39. 11n HT20 2TX CDD MIMO MODE IN THE 5.8GHz BAND

8.39.1. 6 dB BANDWIDTH

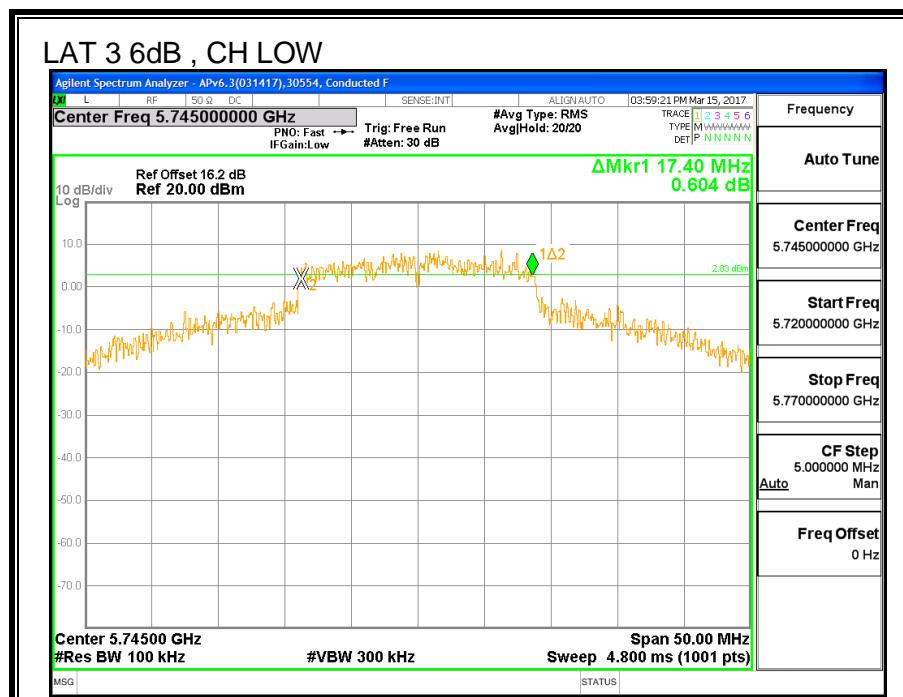
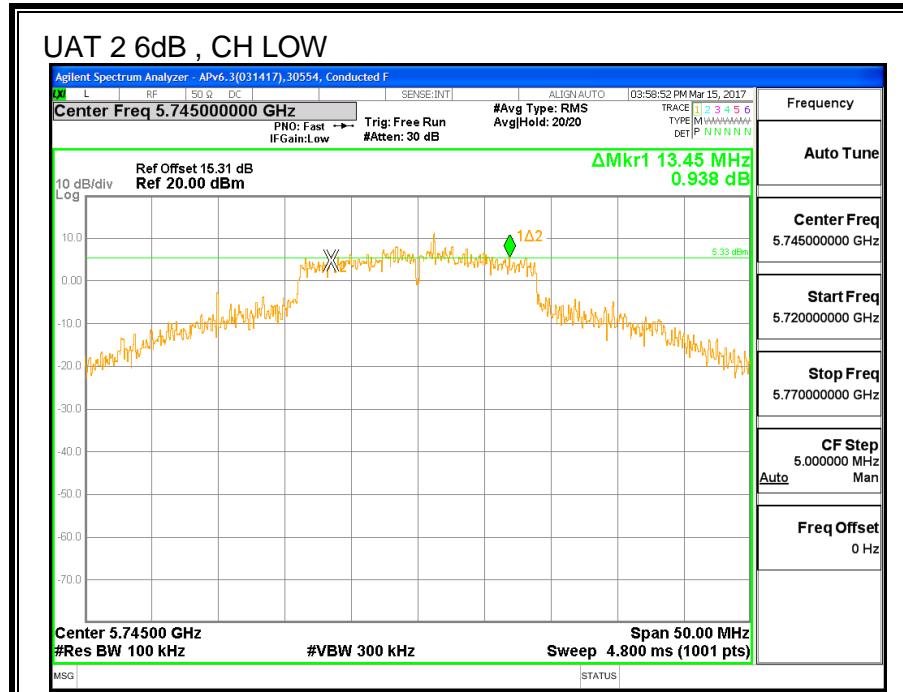
LIMITS

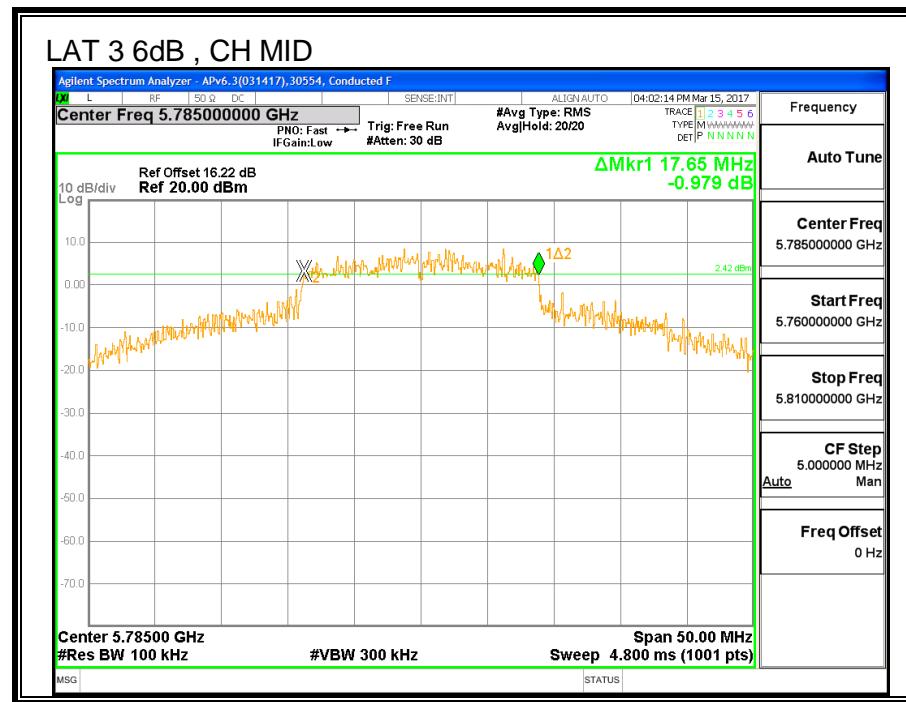
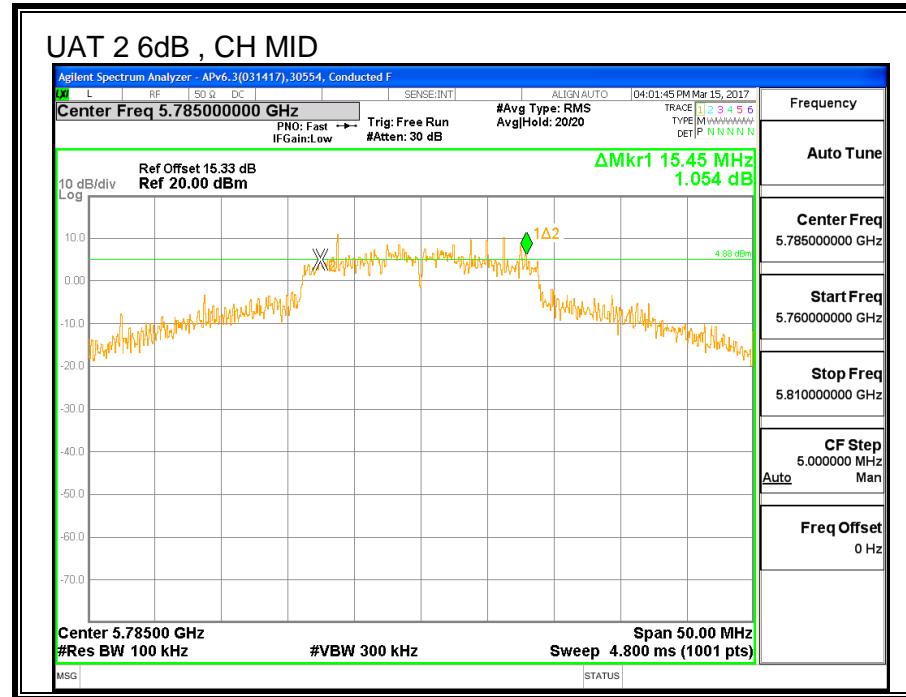
FCC §15.407 (e)

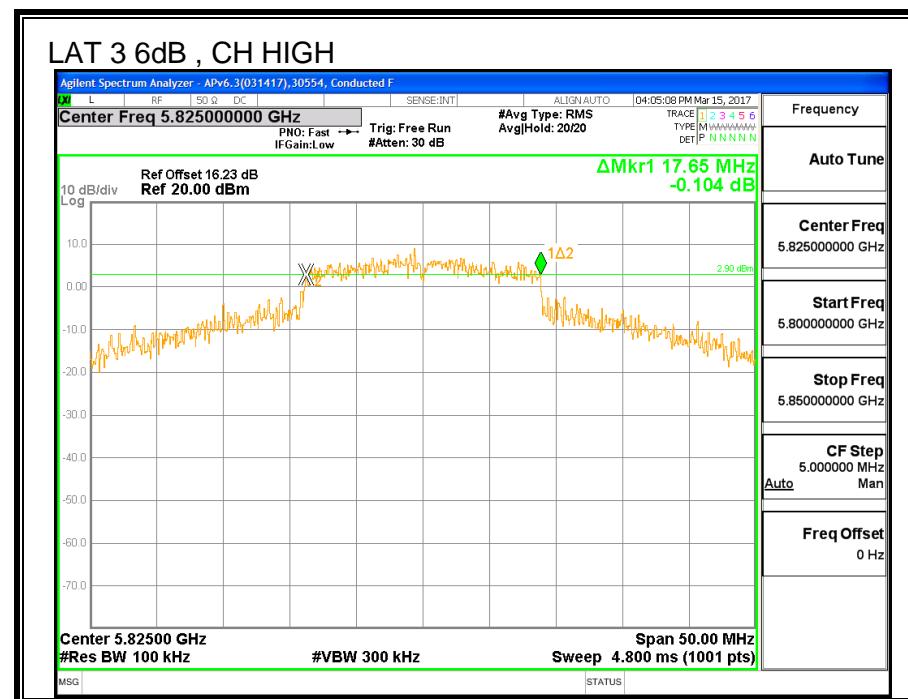
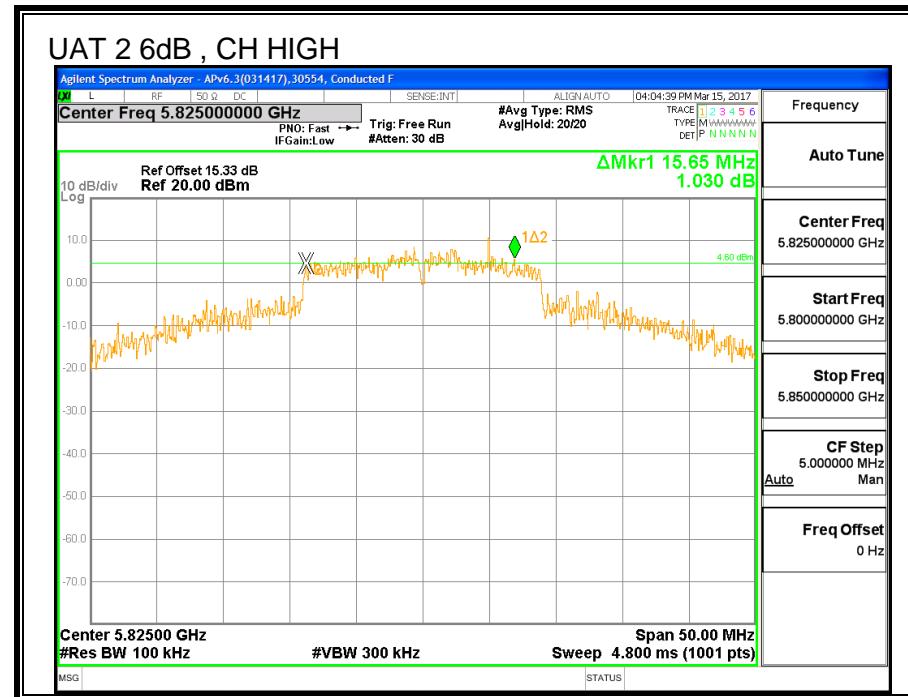
The minimum 6 dB bandwidth shall be at least 500 kHz.

RESULTS

Channel	Frequency	6 dB BW UAT 2 (MHz)	6 dB BW LAT 3 (MHz)	Minimum Limit (MHz)
Low	5745	13.45	17.40	0.5
Mid	5785	15.45	17.65	0.5
High	5825	15.65	17.65	0.5







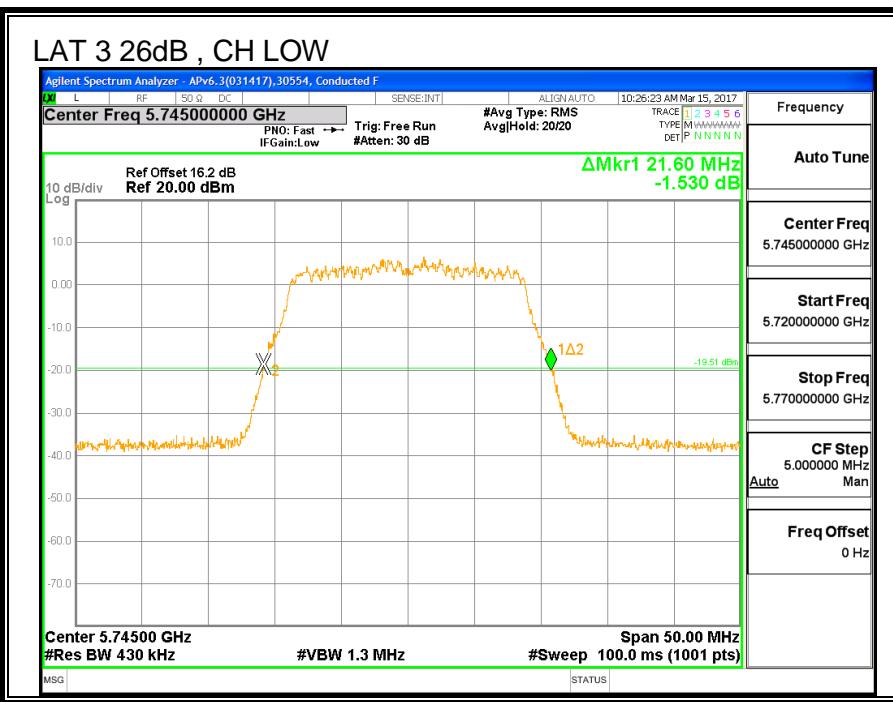
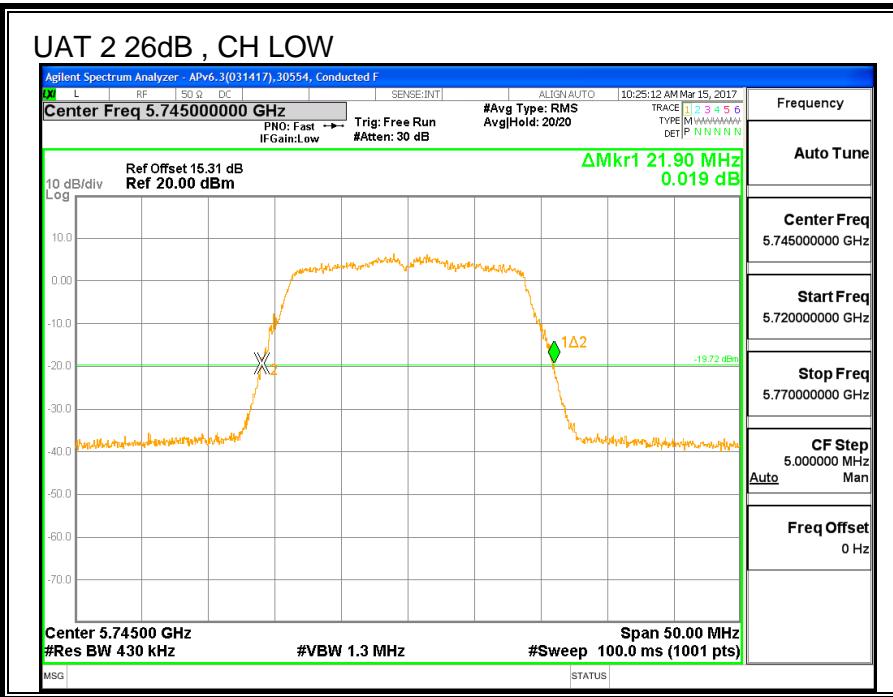
8.39.2. 26 dB BANDWIDTH

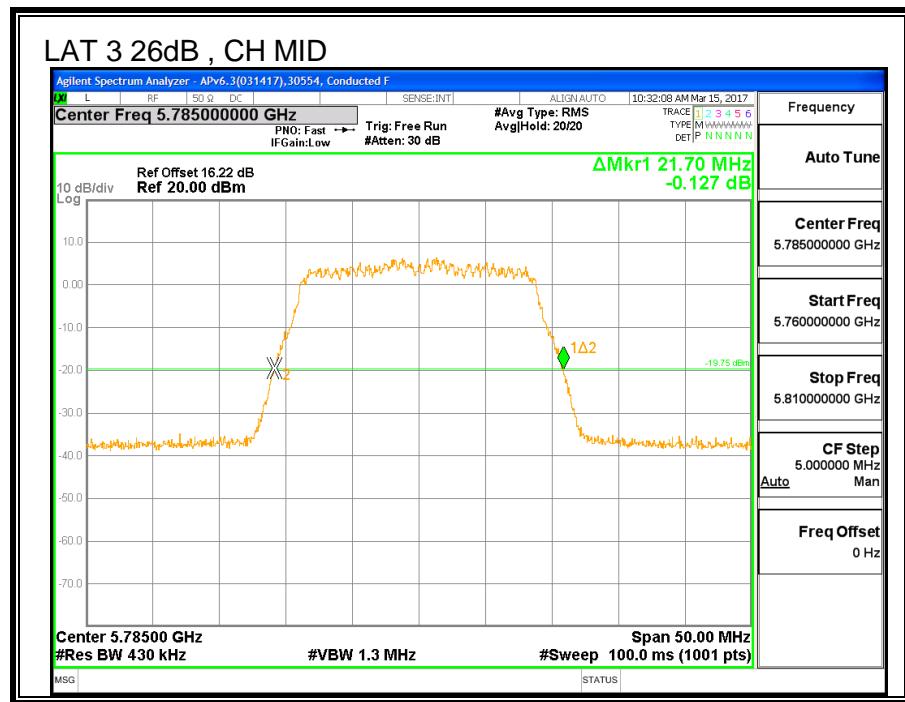
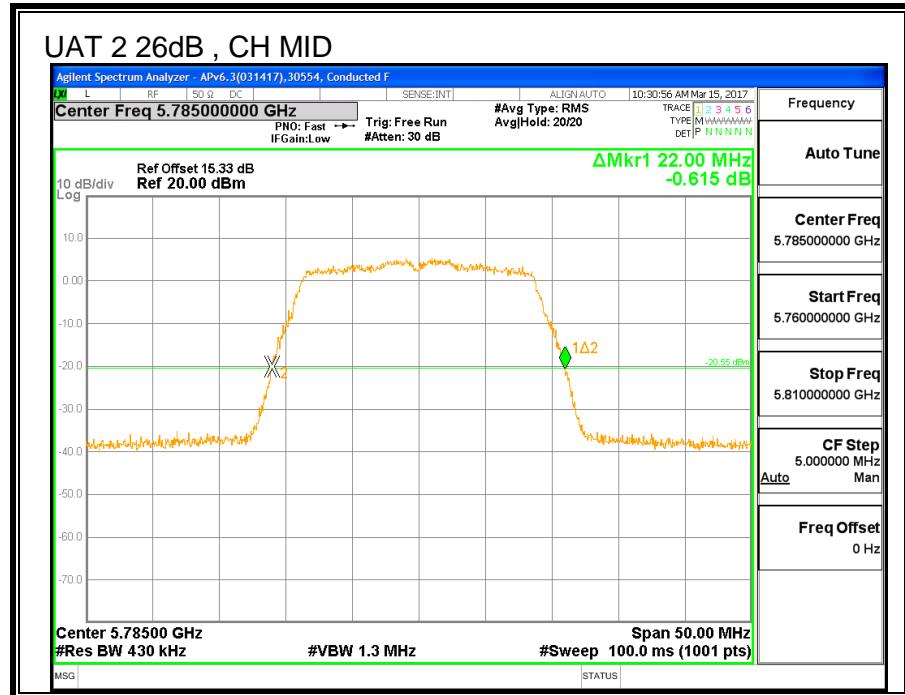
LIMITS

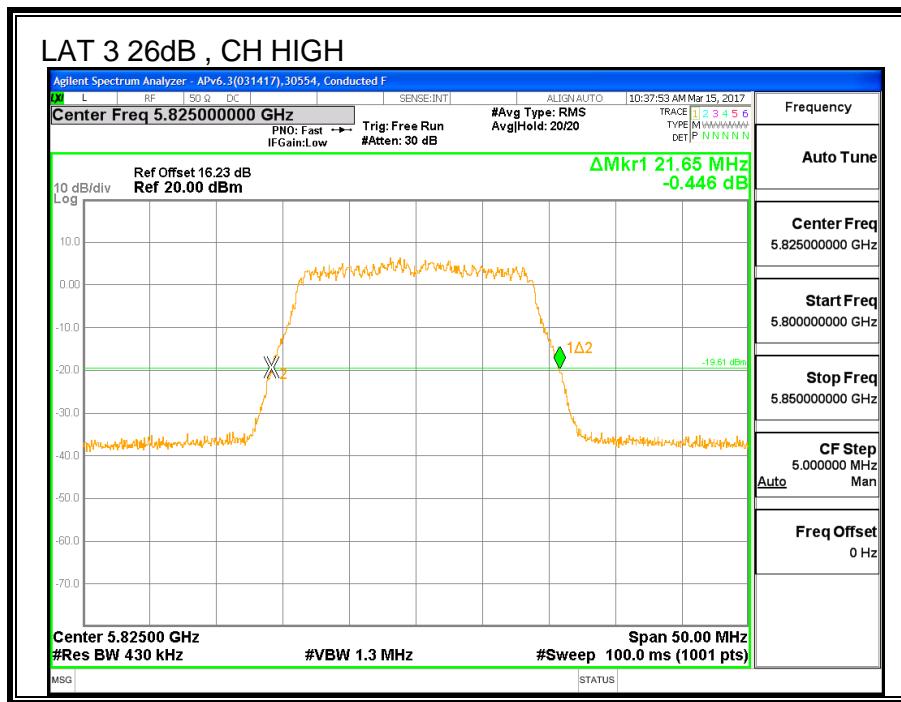
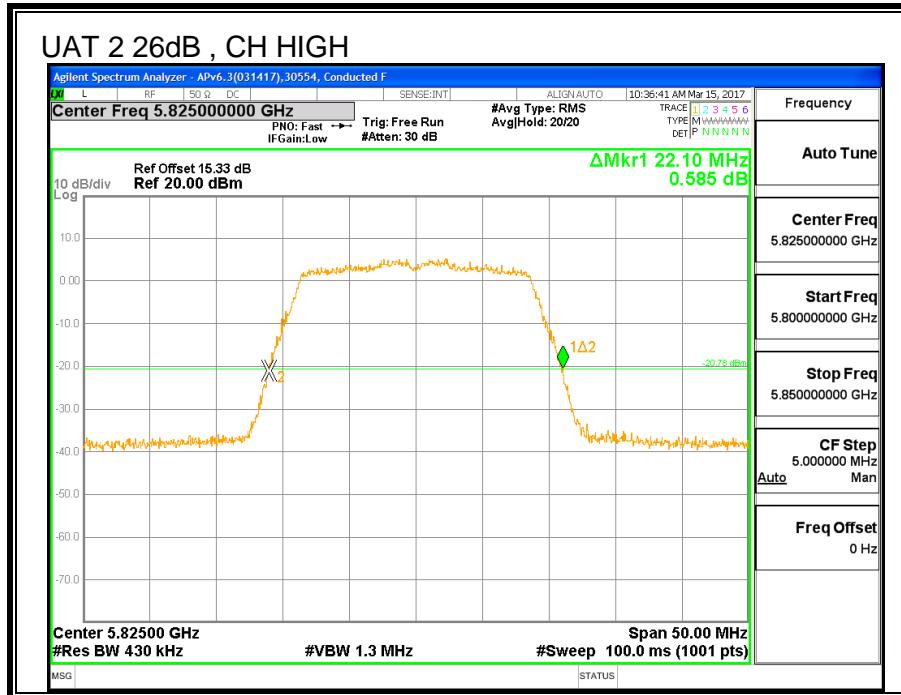
None; for reporting purposes only.

RESULTS

Channel	Frequency	26 dB BW UAT 2 (MHz)	26 dB BW LAT 3 (MHz)
Low	5745	21.90	21.60
Mid	5785	22.00	21.70
High	5825	22.10	21.65







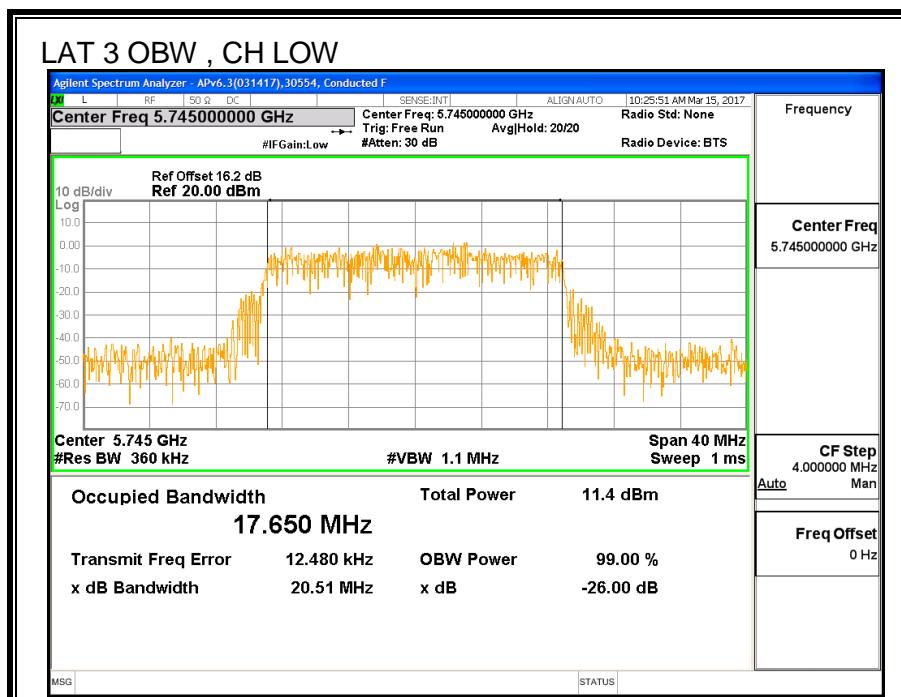
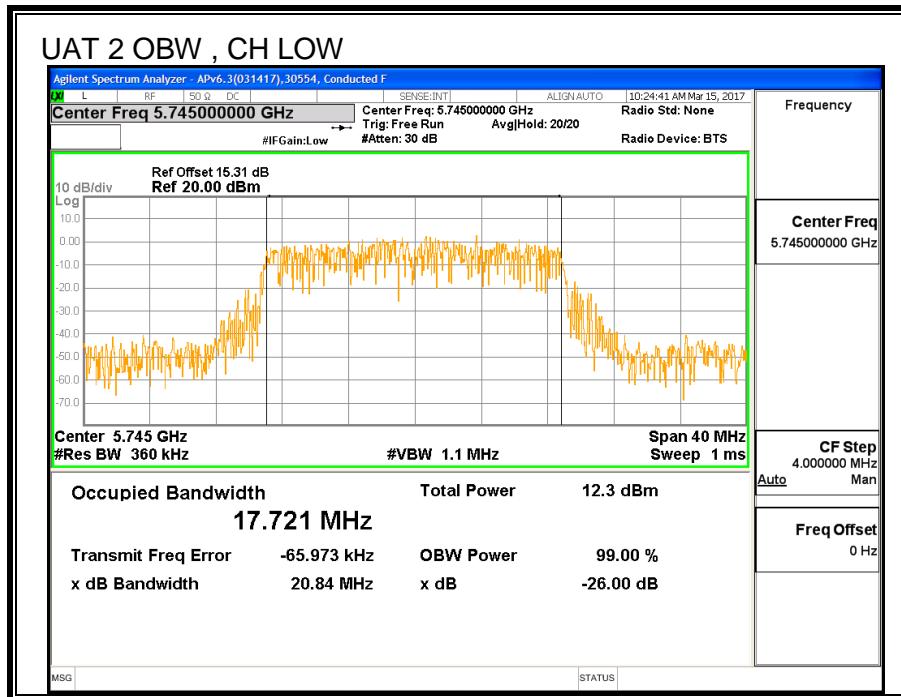
8.39.3. 99% BANDWIDTH

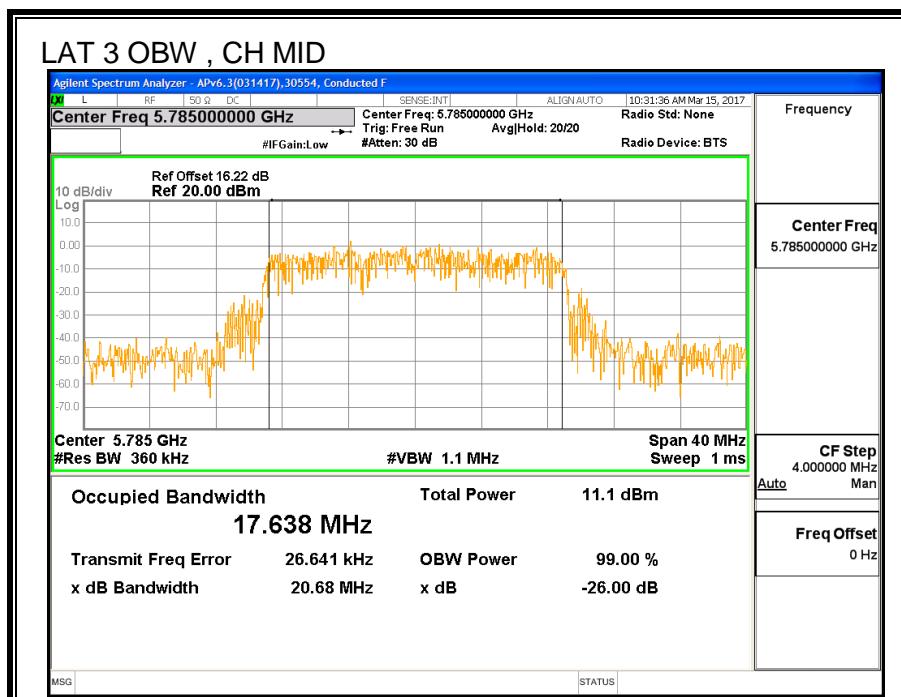
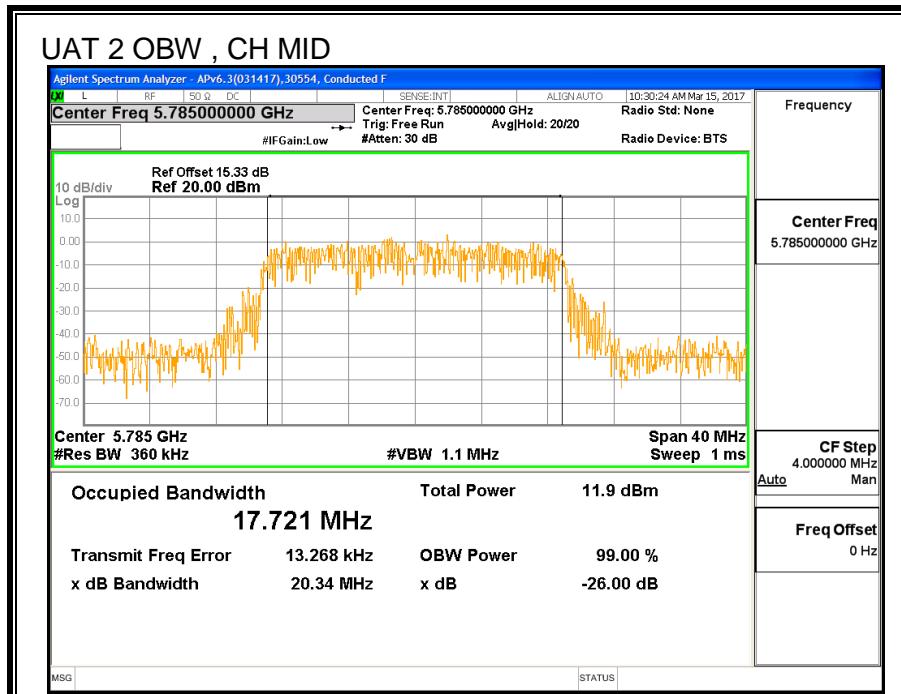
LIMITS

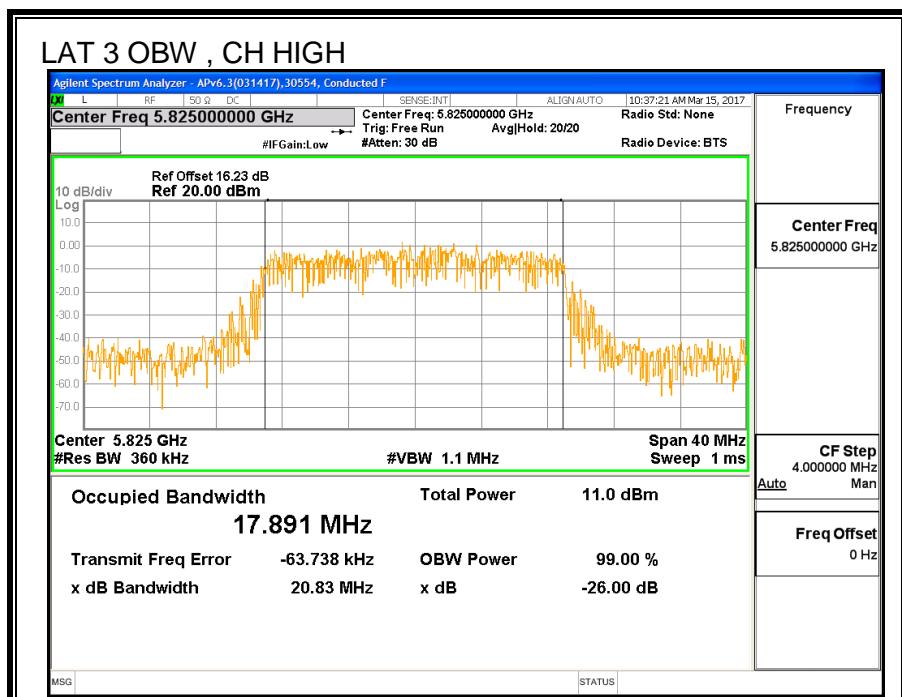
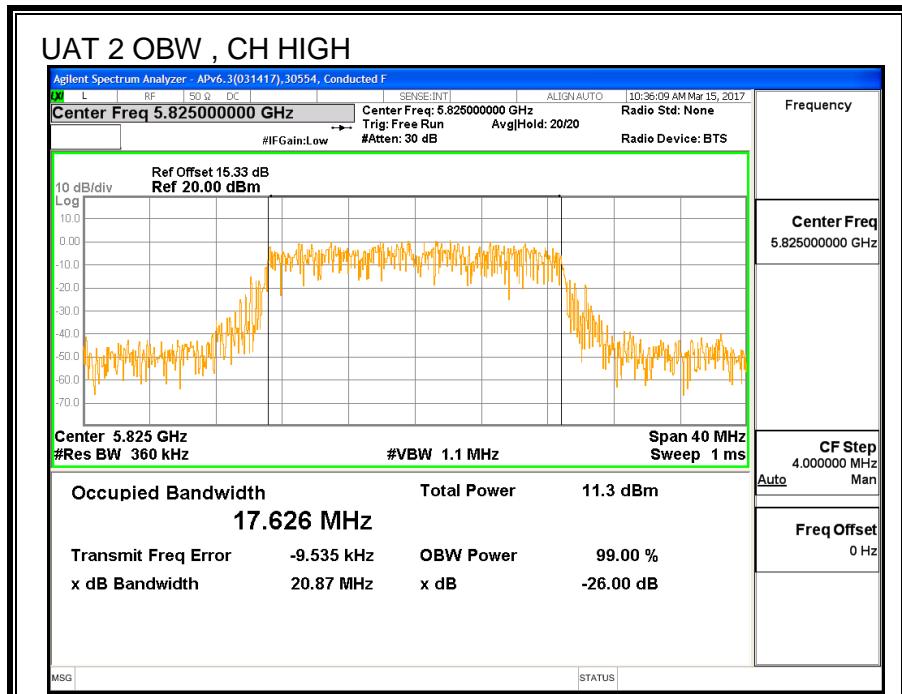
None; for reporting purposes only.

RESULTS

Channel	Frequency	99% BW UAT 2 (MHz)	99% BW LAT 3 (MHz)
Low	5745	17.721	17.650
Mid	5785	17.721	17.638
High	5825	17.626	17.891







8.39.4. AVERAGE POWER

ID:	39472	Date:	6/11/17
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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)	Power LAT 3 (dBm)	Total Power (dBm)
Low	5745	19.86	19.80	22.84
Mid	5785	20.81	20.77	23.80
High	5825	19.43	19.38	22.42

8.39.5. OUTPUT POWER

LIMITS

FCC §15.407 (a) (3)

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

TEST PROCEDURE

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

DIRECTIONAL ANTENNA GAIN

For Power used uncorrelated 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)
0.68	-0.93	-0.05

RESULTS

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)
Low	5745	-0.05	30.00
Mid	5785	-0.05	30.00
High	5825	-0.05	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	19.86	19.80	22.84	30.00	-7.16
Mid	5785	20.81	20.77	23.80	30.00	-6.20
High	5825	19.43	19.38	22.42	30.00	-7.58

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

For PSD used correlated 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)
0.68	-0.93	2.92

RESULTS

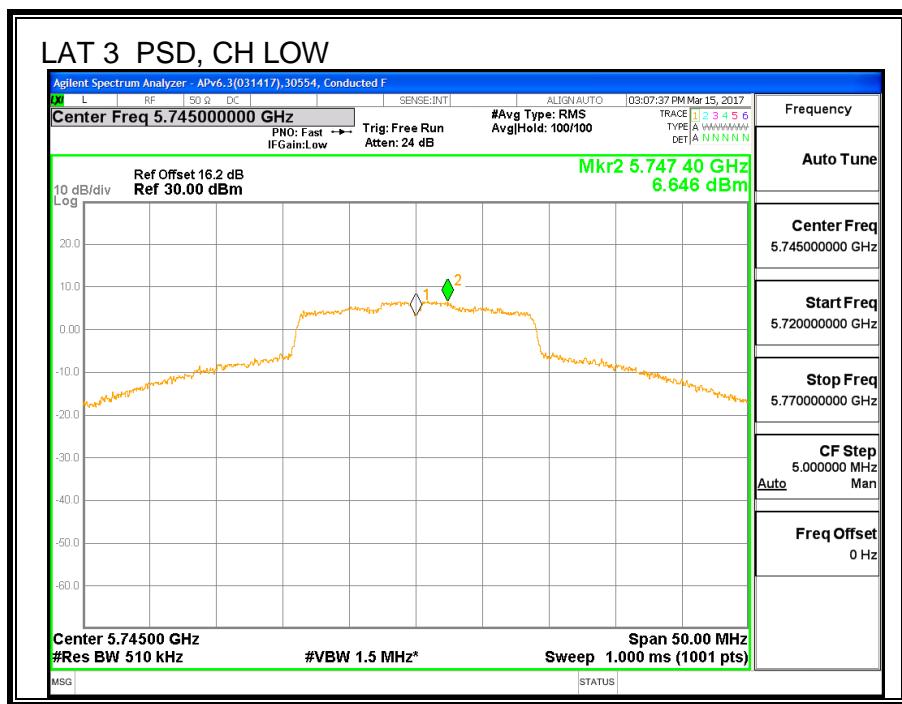
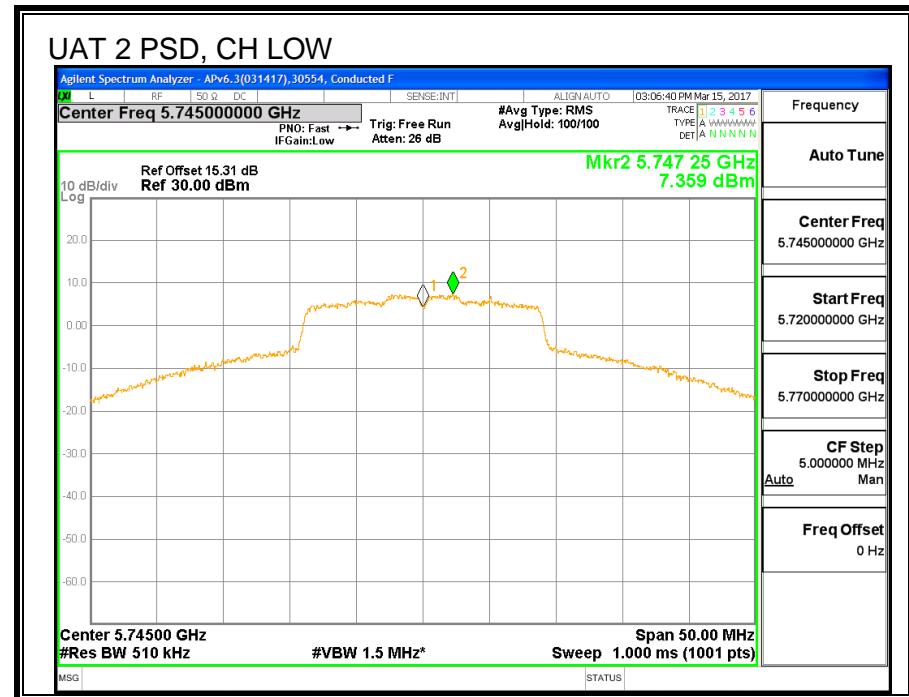
Antenna Gain and Limits

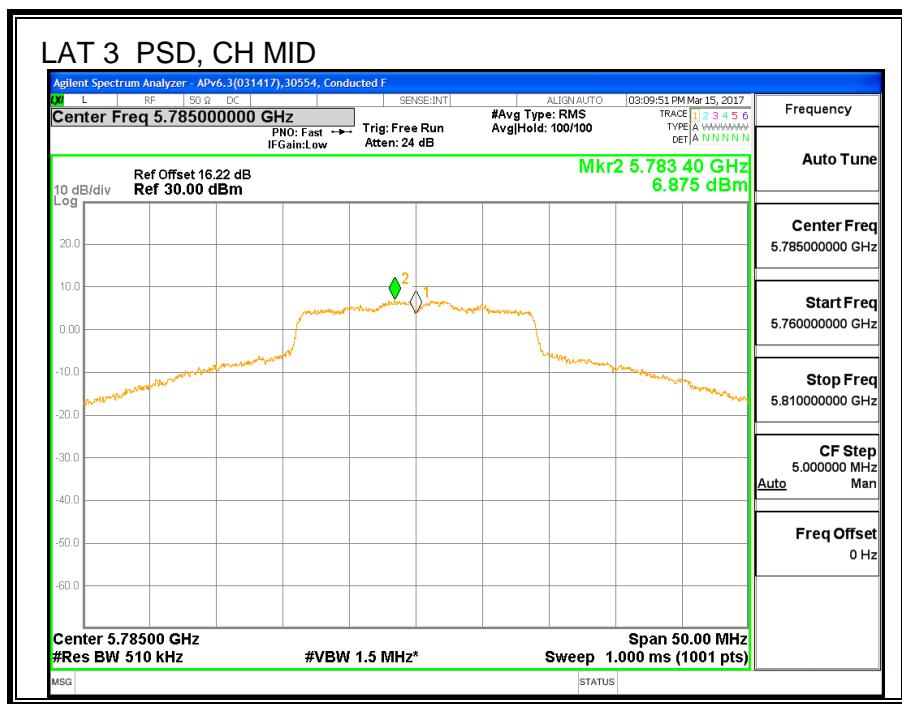
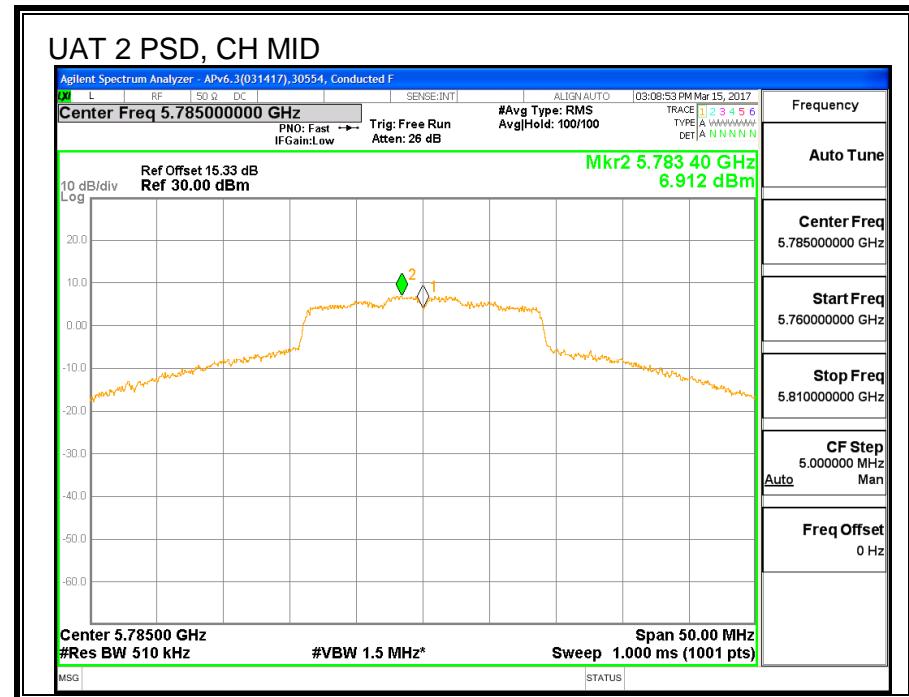
Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm)
Low	5745	2.92	30.00
Mid	5785	2.92	30.00
High	5825	2.92	30.00

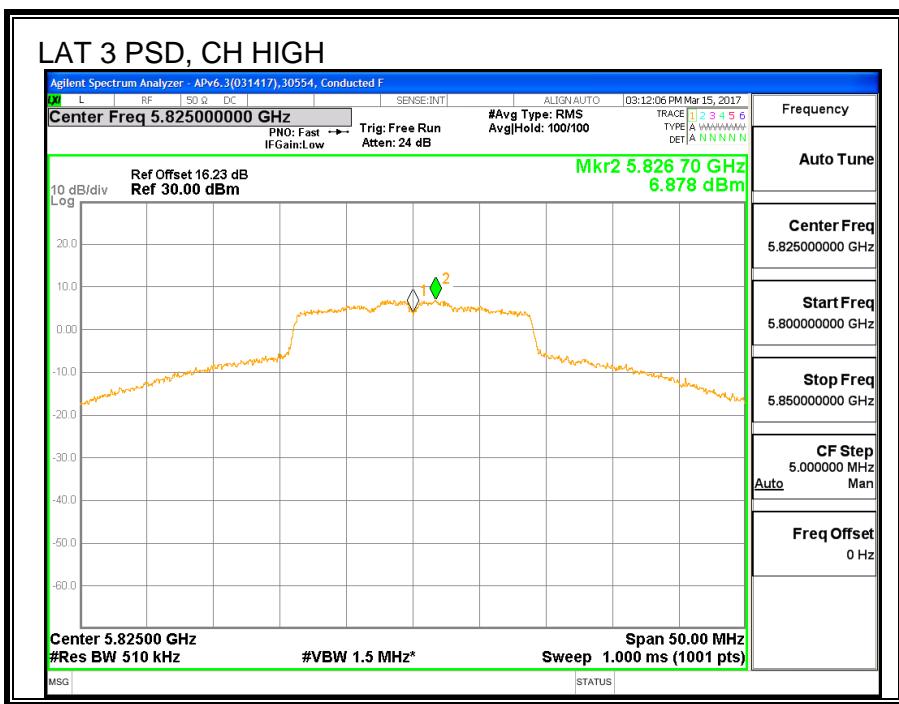
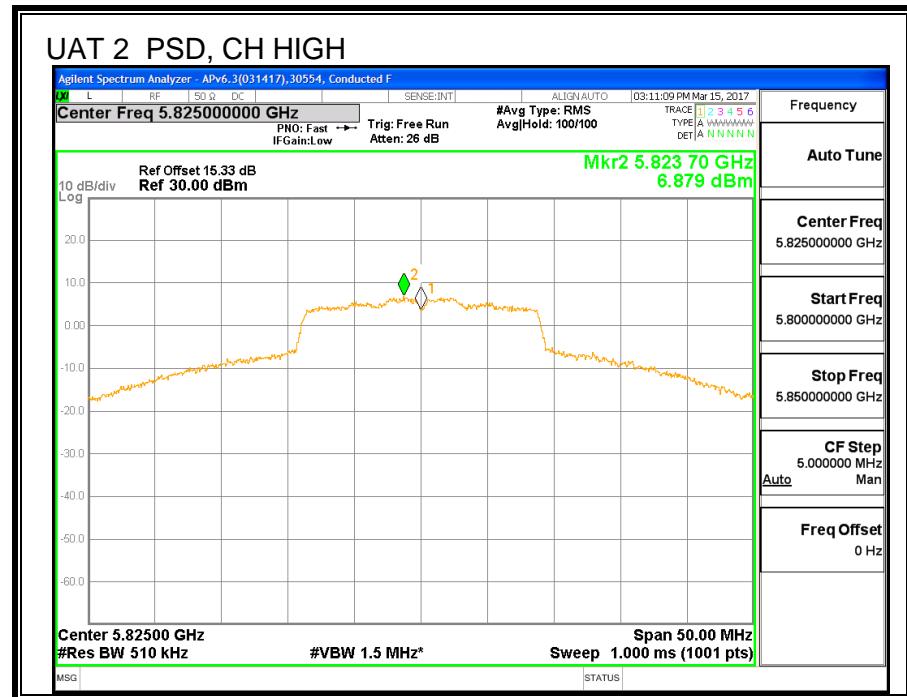
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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PSD Results

Channel	Frequency (MHz)	UAT 2 Meas PSD (dBm)	LAT 3 Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Low	5745	7.359	6.646	10.03	30.00	-19.97
Mid	5785	6.912	6.875	9.90	30.00	-20.10
High	5825	6.879	6.878	9.89	30.00	-20.11







8.40. 11n HT40 UAT 2 SISO MODE IN THE 5.8GHz BAND

8.40.1. 6 dB BANDWIDTH

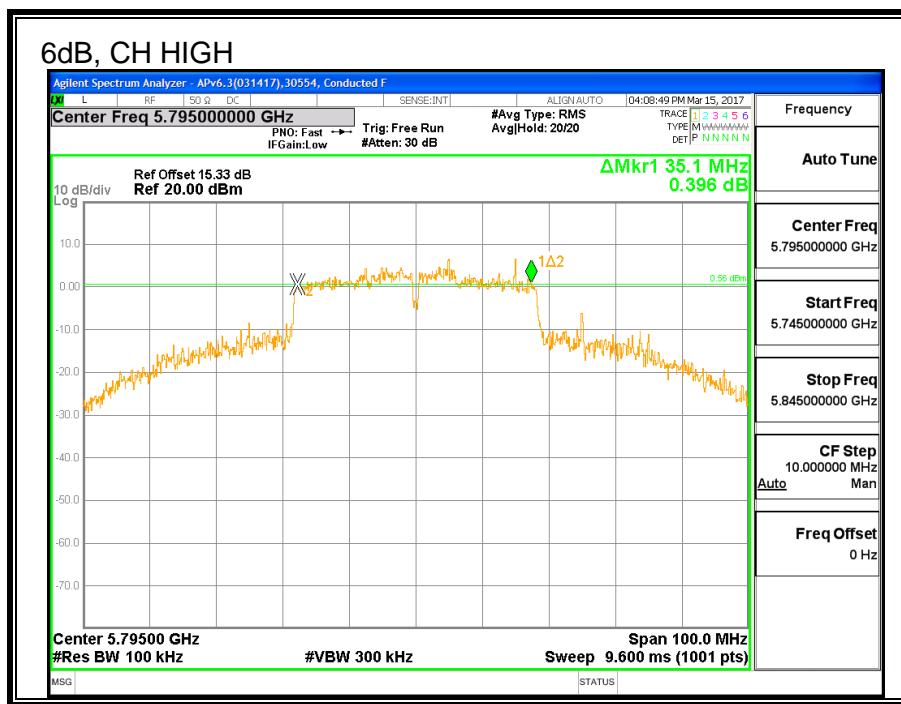
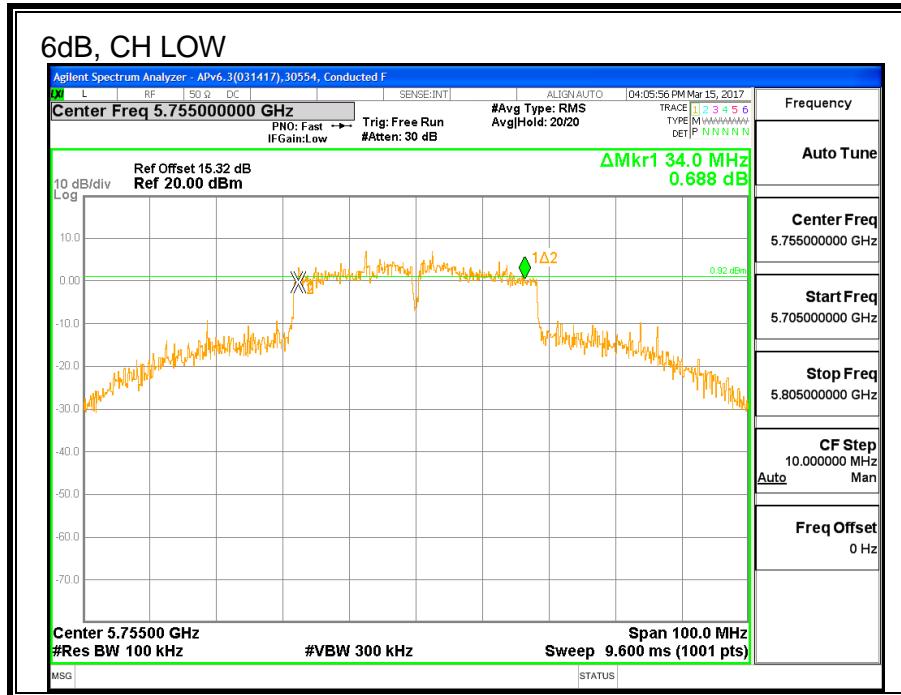
LIMITS

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)
Low	5755	34.0	0.5
High	5795	35.1	0.5



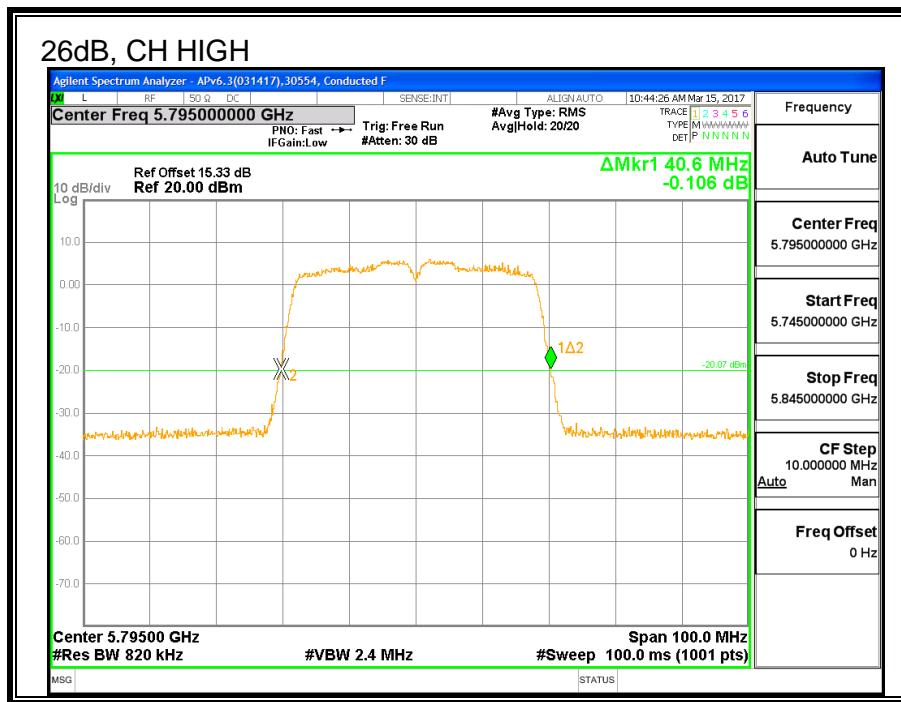
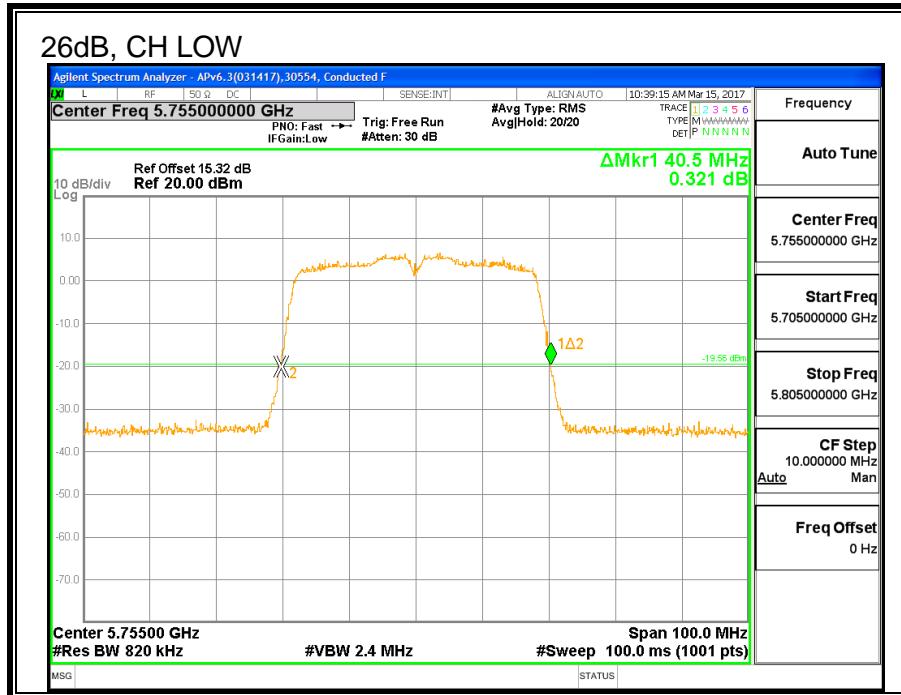
8.40.2. 26 dB BANDWIDTH

LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency	26 dB BW UAT 2 (MHz)
Low	5755	40.5
High	5795	40.6



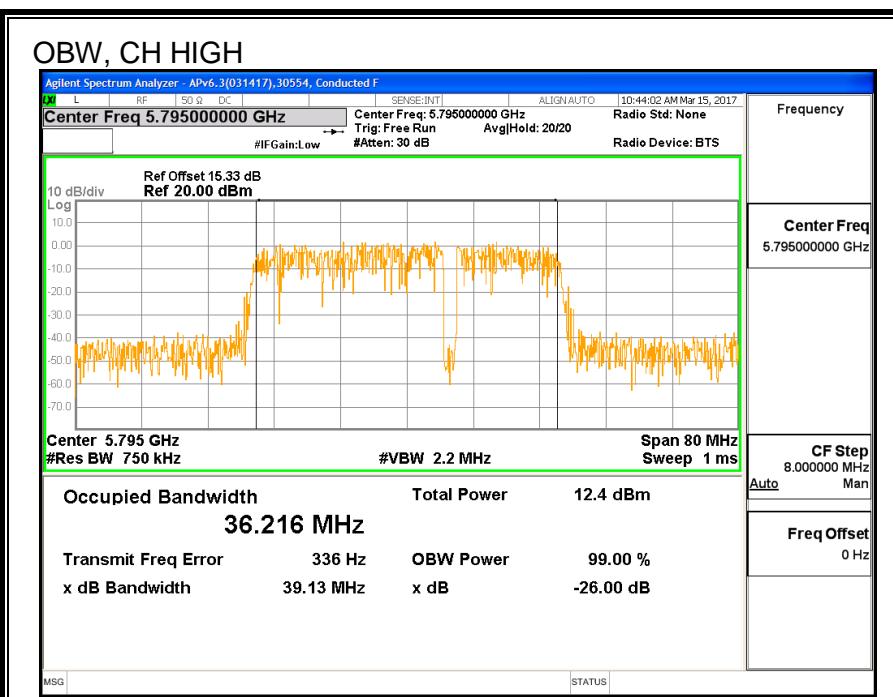
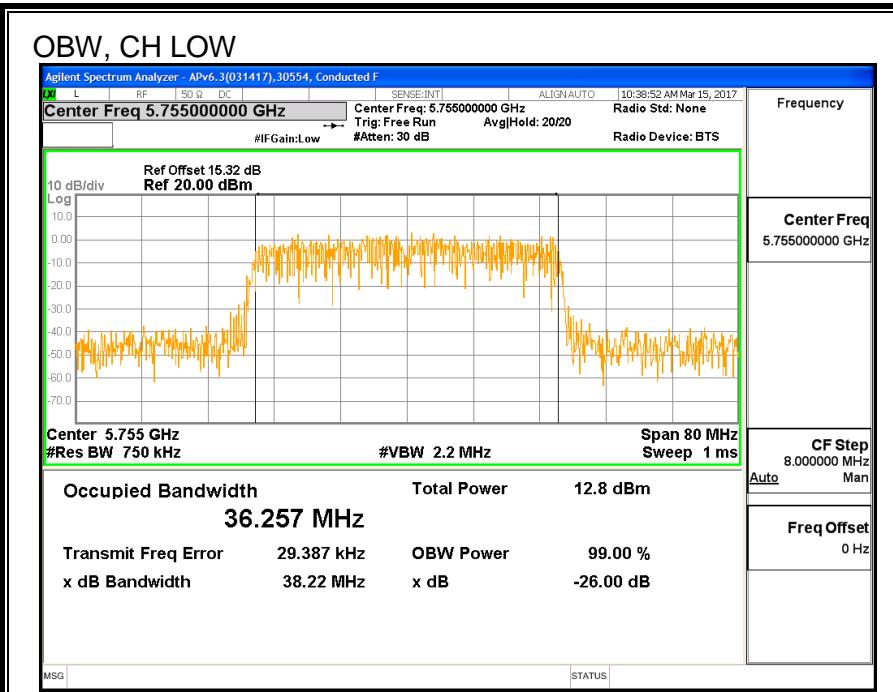
8.40.3. 99% BANDWIDTH

LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency	99% BW UAT 2 (MHz)
Low	5755	36.257
High	5795	36.216



8.40.4. AVERAGE POWER

ID:	39472	Date:	6/11/17
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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	19.43
High	5795	19.38

8.40.5. OUTPUT POWER

LIMITS

FCC §15.407 (a) (3)

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

TEST PROCEDURE

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

DIRECTIONAL ANTENNA GAIN

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

RESULTS

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)
Low	5755	0.68	30.00
High	5795	0.68	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	19.43	19.43	30.00	-10.57
High	5795	19.38	19.38	30.00	-10.62

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

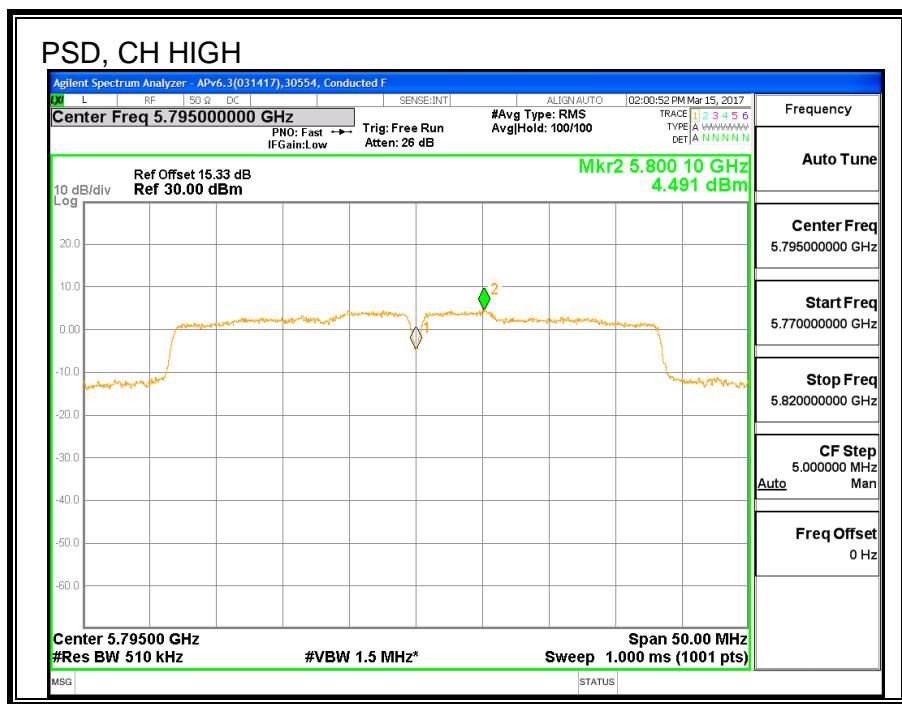
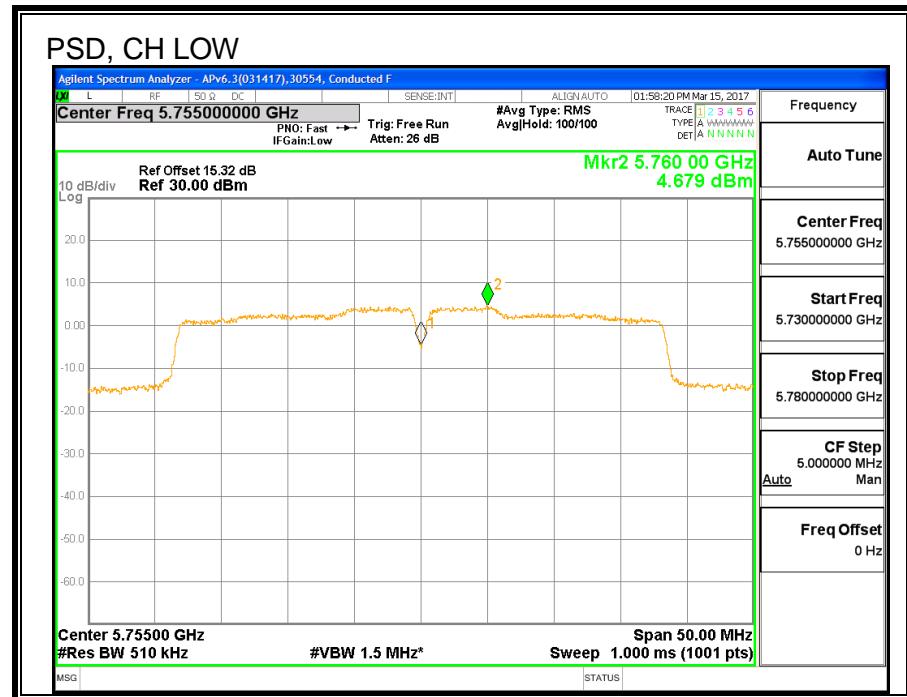
Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm)
Low	5755	0.68	30.00
High	5795	0.68	30.00

Duty Cycle CF (dB)	0.09	Included in Calculations of Corr'd PSD
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PSD Results

Channel	Frequency (MHz)	UAT 2 Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Low	5755	4.679	4.77	30.00	-25.23
High	5795	4.491	4.58	30.00	-25.42



8.41. 11n HT40 LAT 3 SISO MODE IN THE 5.8Gz BAND

8.41.1. 6 dB BANDWIDTH

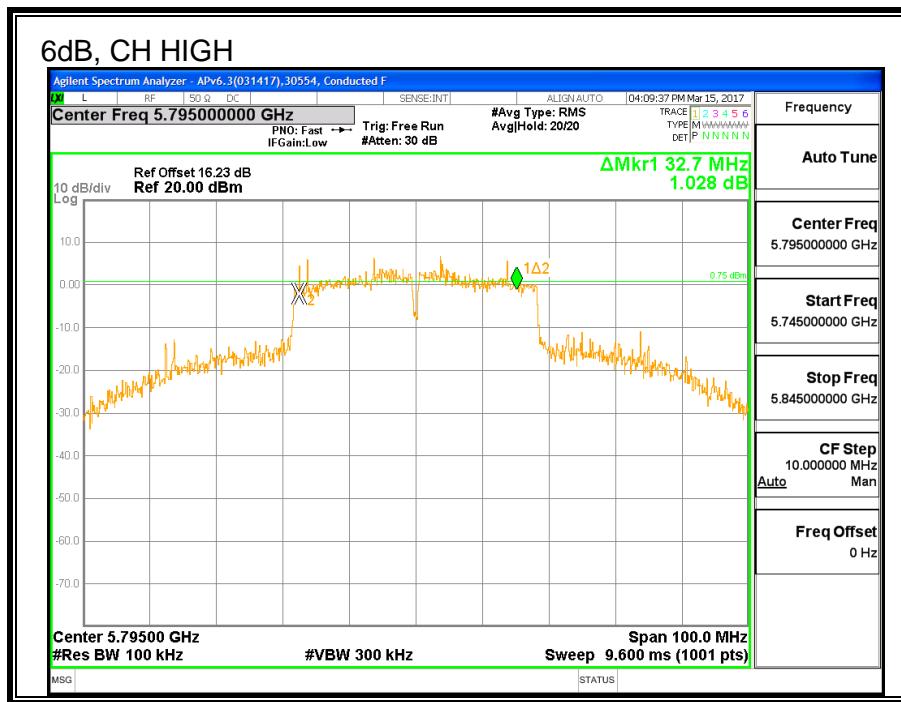
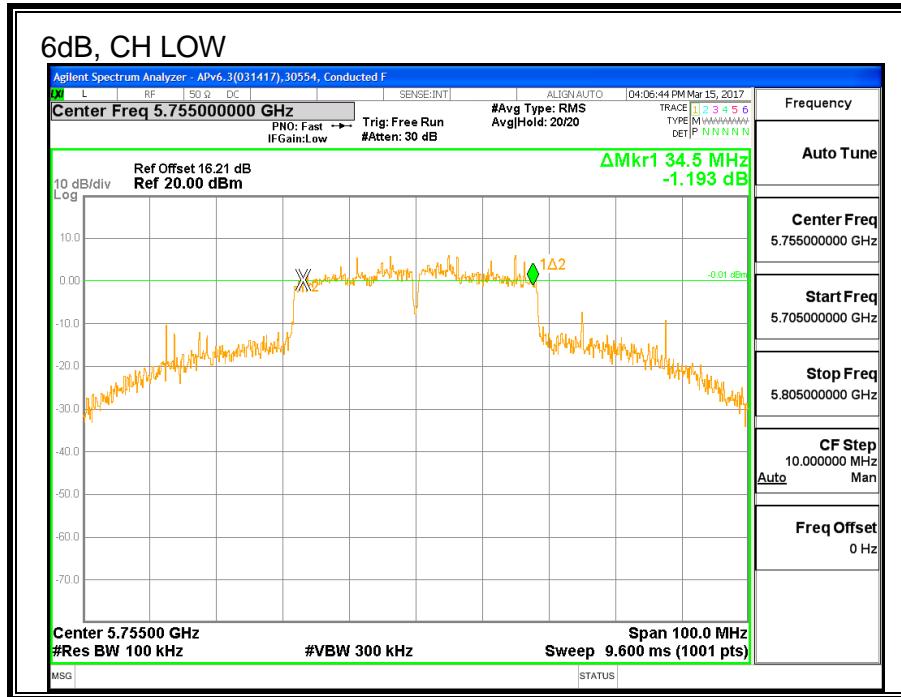
LIMITS

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)
Low	5755	34.5	0.5
High	5795	32.7	0.5



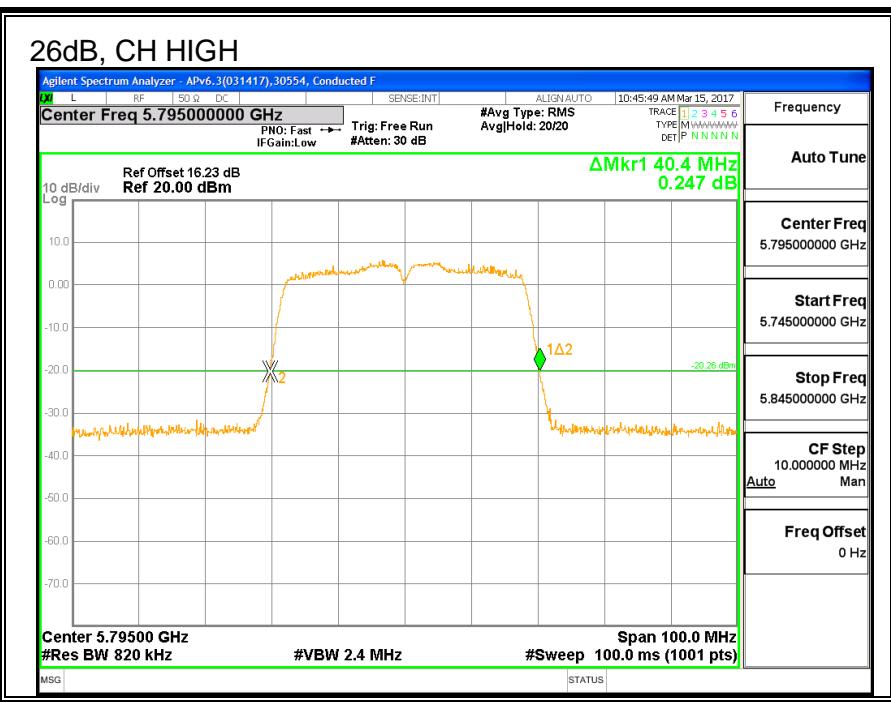
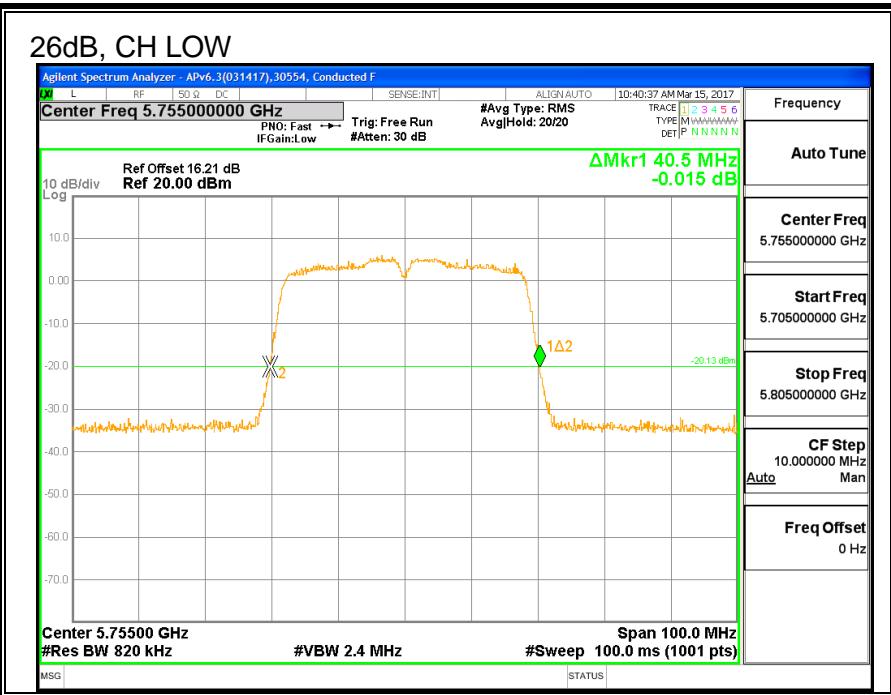
8.41.2. 26 dB BANDWIDTH

LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency	26 dB BW LAT 3 (MHz)
Low	5755	40.5
High	5795	40.4



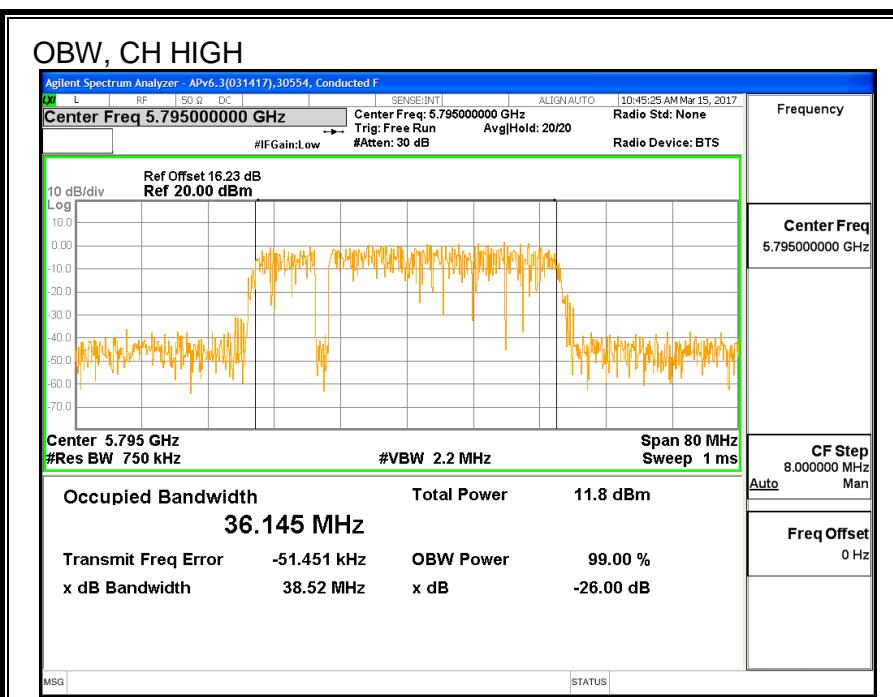
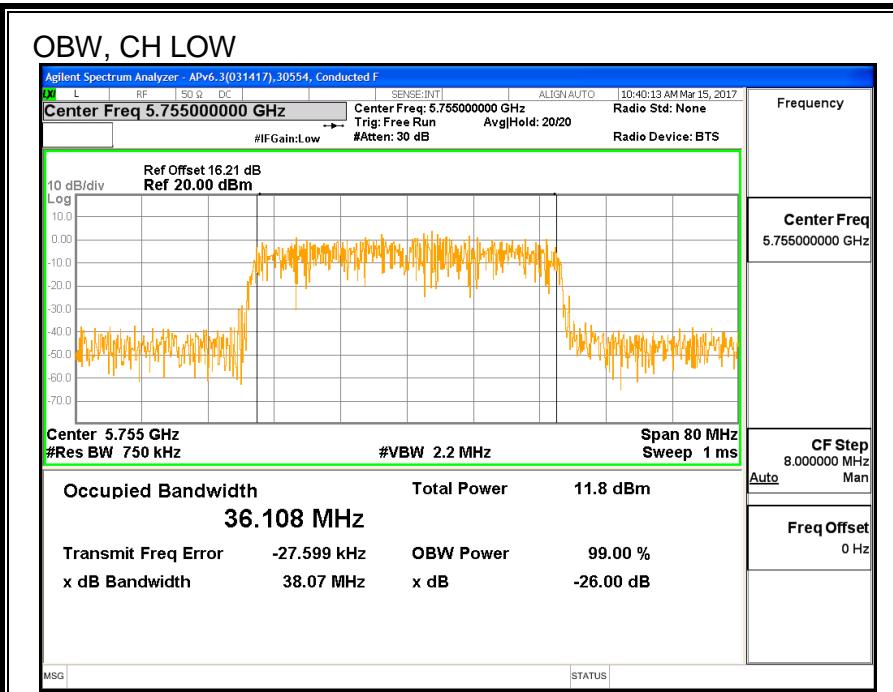
8.41.3. 99% BANDWIDTH

LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency	99% BW LAT 3 (MHz)
Low	5755	36.108
High	5795	36.145



8.41.4. AVERAGE POWER

ID:	39472	Date:	6/11/17
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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	19.32

8.41.5. OUTPUT POWER

LIMITS

FCC §15.407 (a) (3)

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

TEST PROCEDURE

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

DIRECTIONAL ANTENNA GAIN

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

RESULTS

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)
Low	5755	-0.93	30.00
High	5795	-0.93	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	19.32	19.32	30.00	-10.68

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

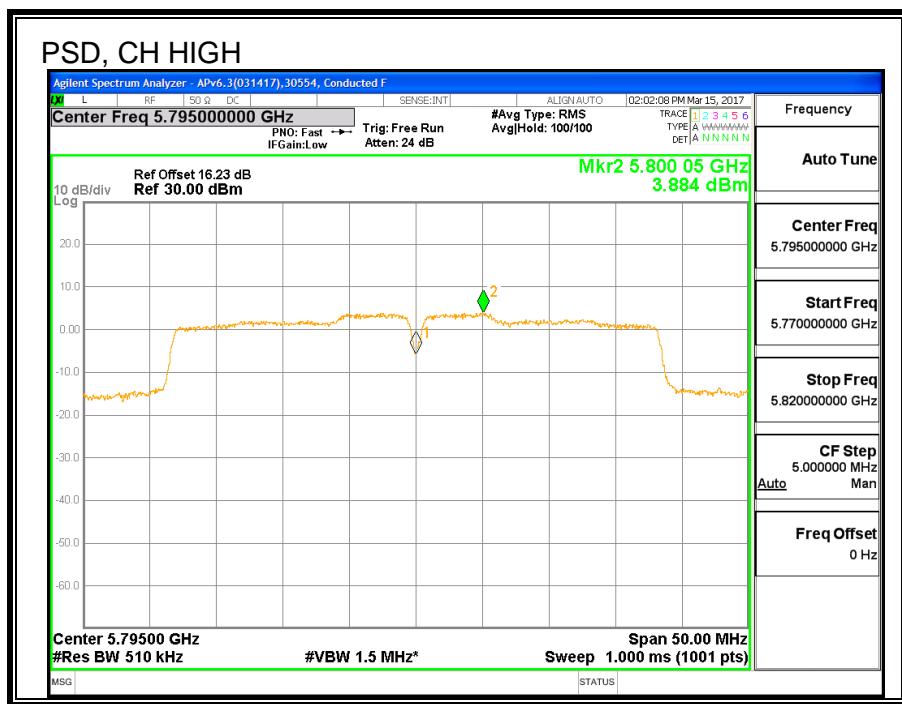
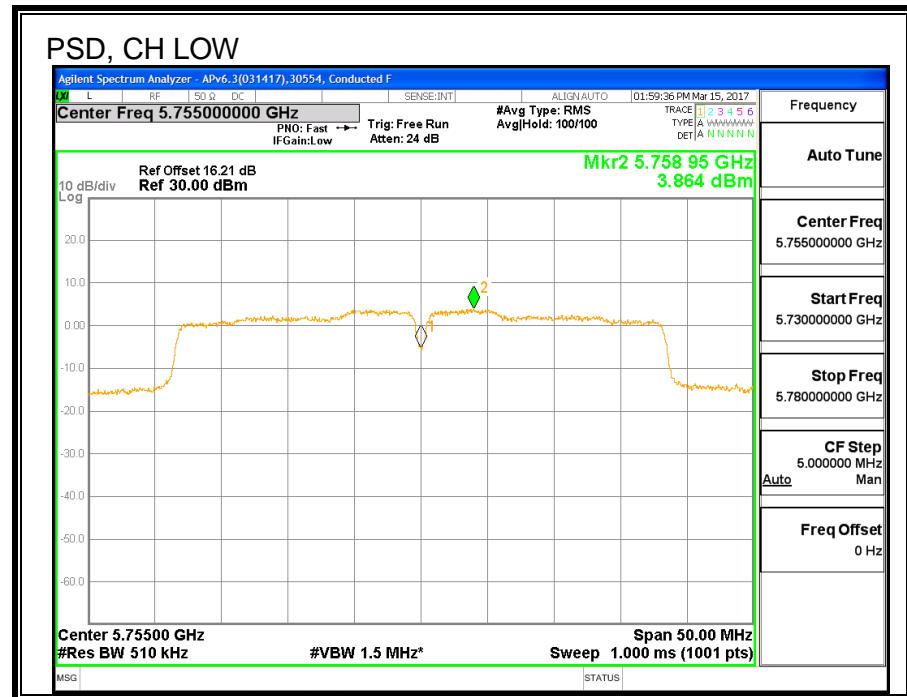
Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm)
Low	5755	-0.93	30.00
High	5795	-0.93	30.00

Duty Cycle CF (dB)	0.09	Included in Calculations of Corr'd PSD
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PSD Results

Channel	Frequency (MHz)	LAT 3 Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Low	5755	3.864	3.95	30.00	-26.05
High	5795	3.884	3.97	30.00	-26.03



8.42. 11n HT40 2TX CDD MIMO MODE IN THE 5.8GHz BAND

8.42.1. 6 dB BANDWIDTH

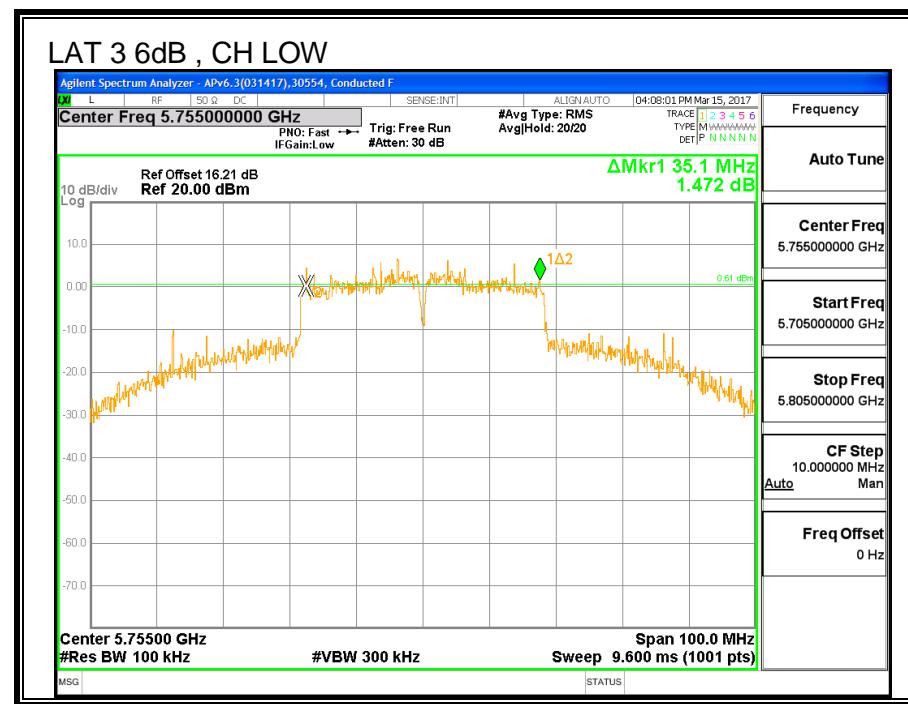
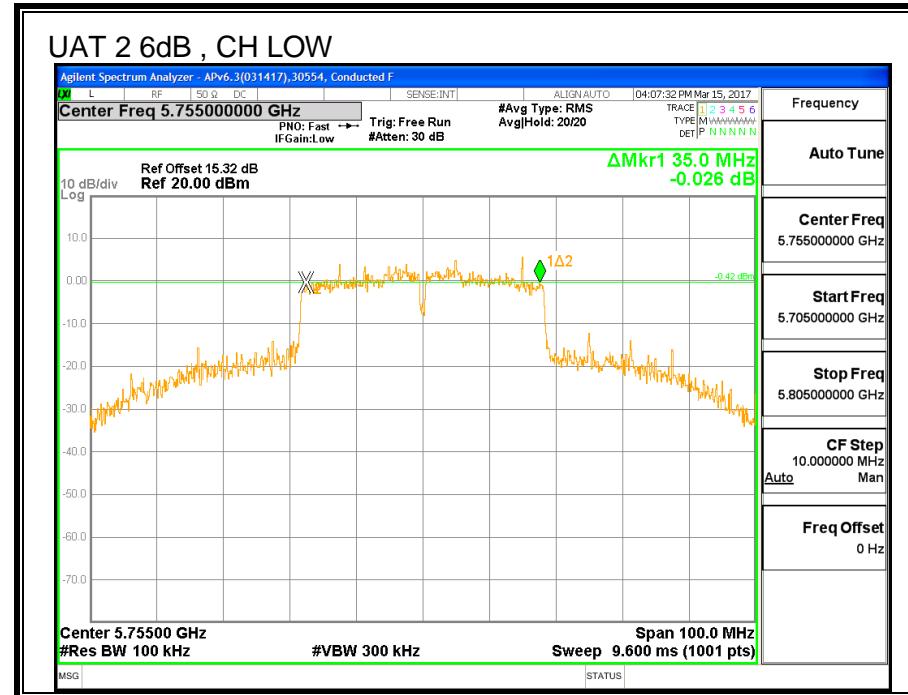
LIMITS

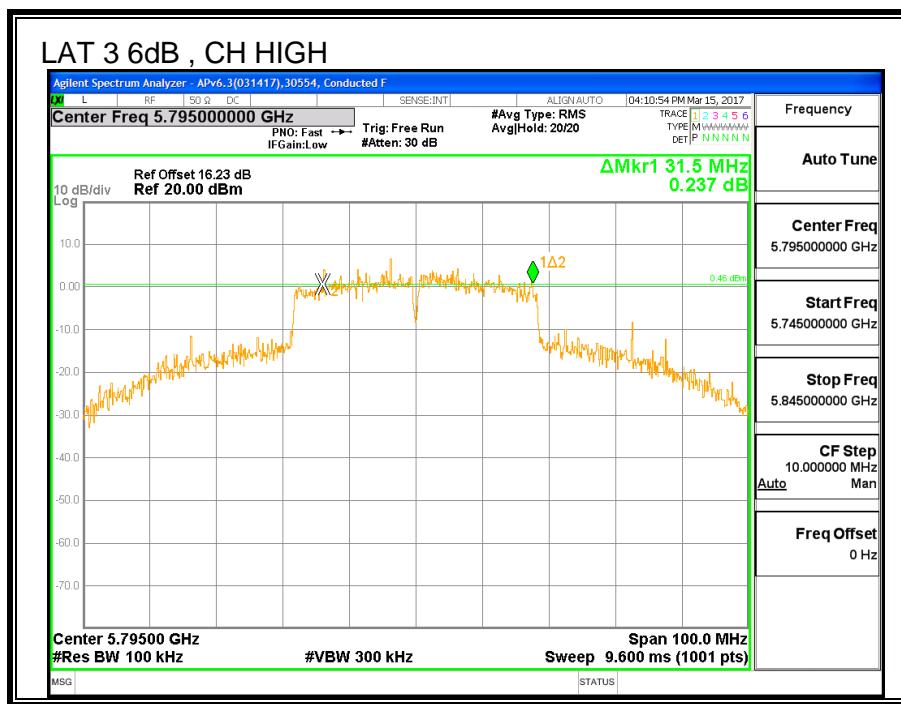
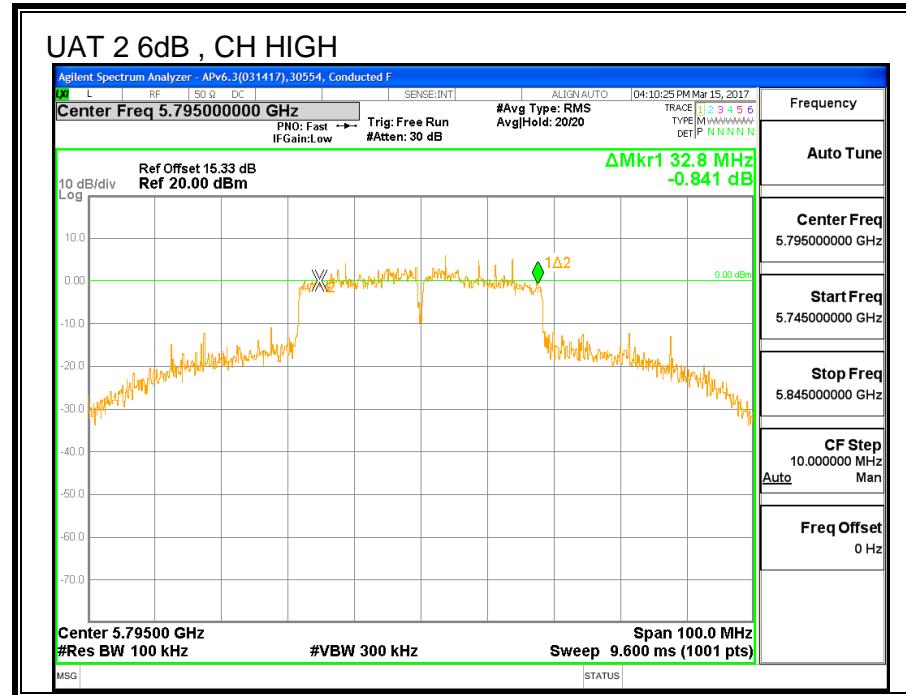
FCC §15.407 (e)

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)
Low	5755	35.0	35.1	0.5
High	5795	32.8	31.5	0.5





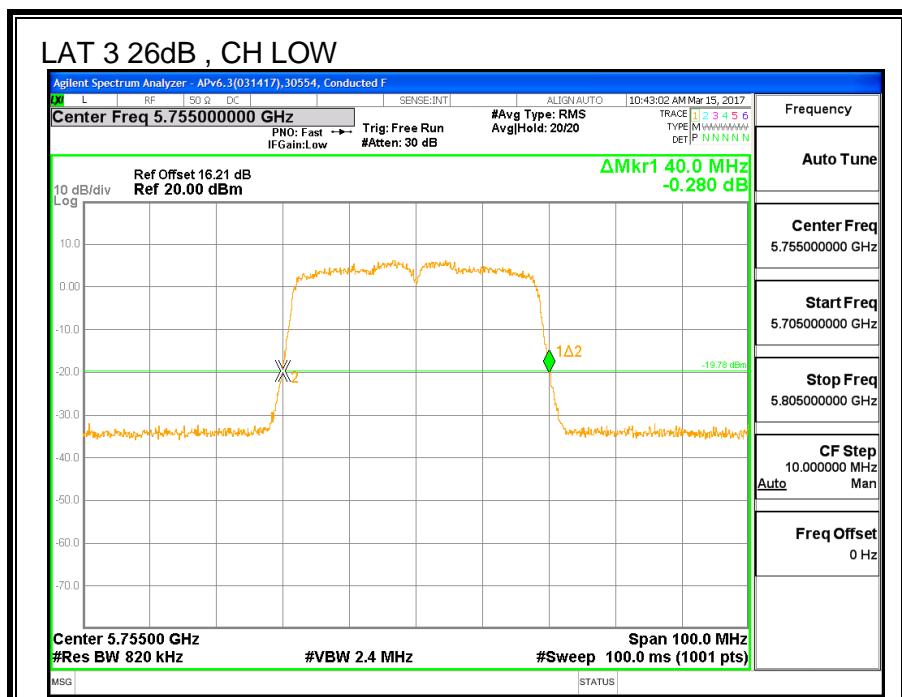
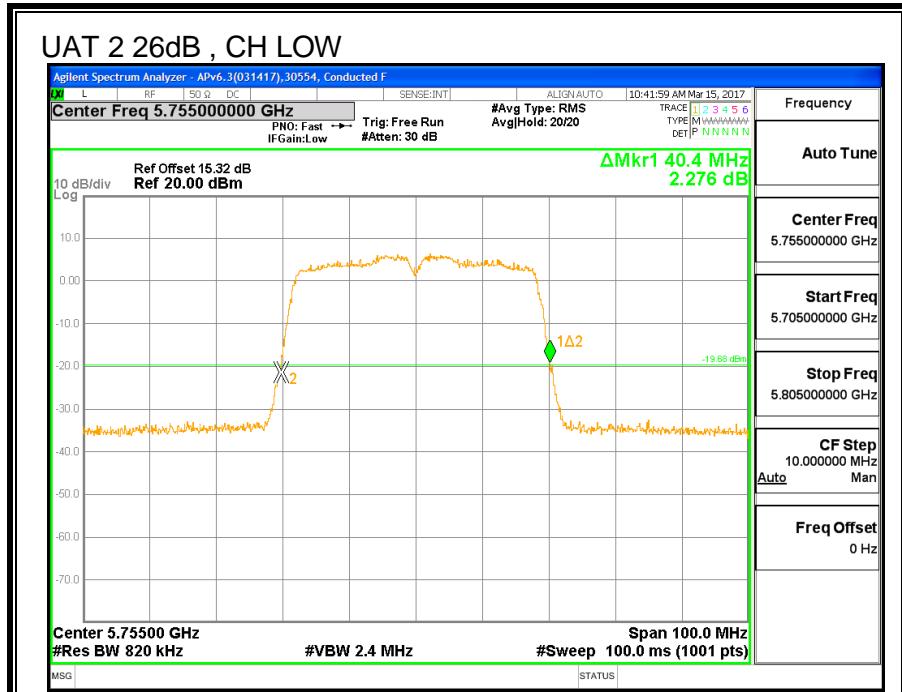
8.42.2. 26 dB BANDWIDTH

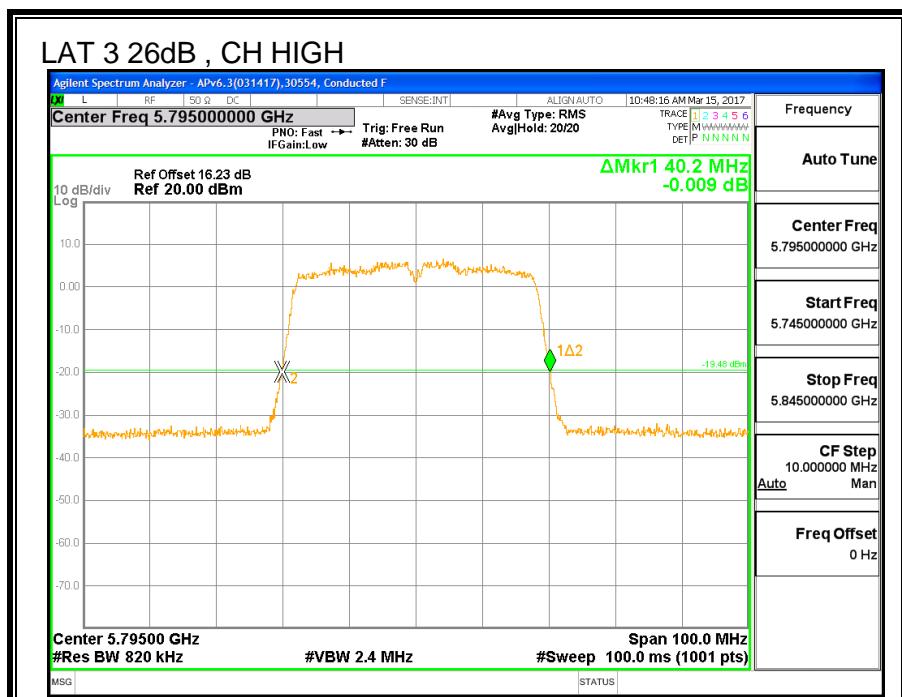
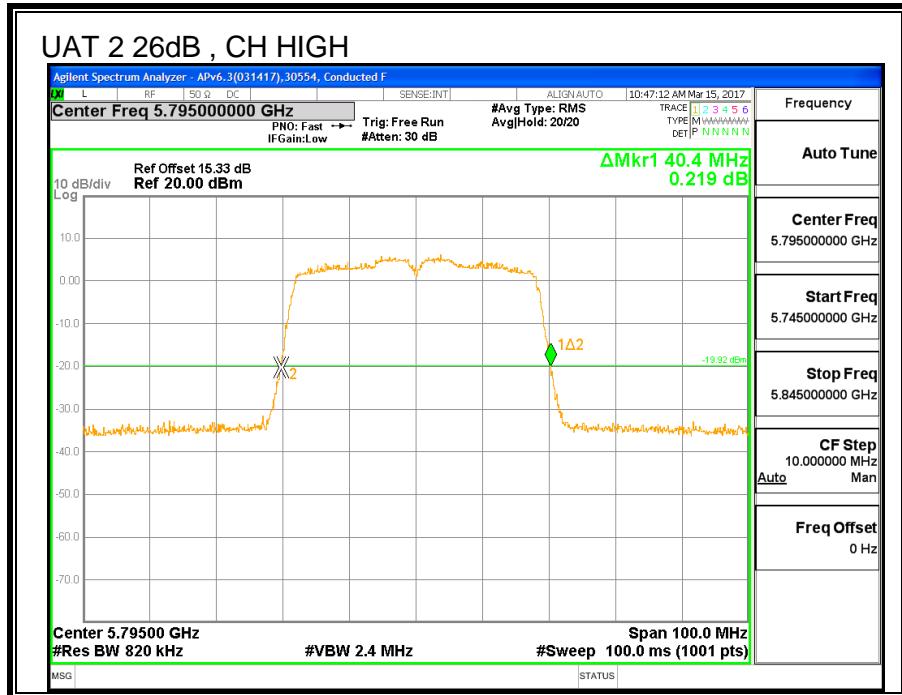
LIMITS

None; for reporting purposes only.

RESULTS

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





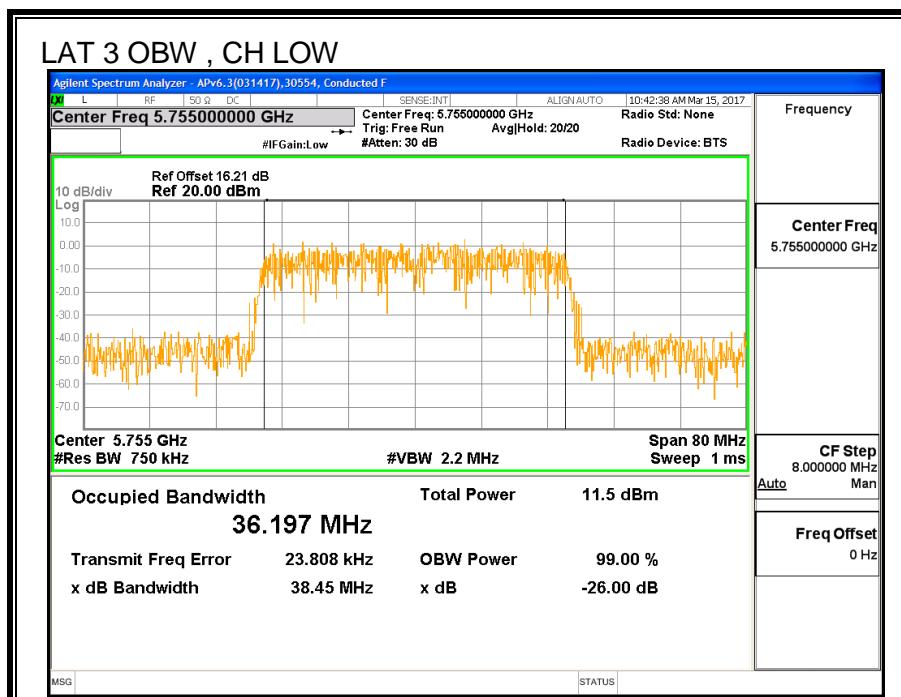
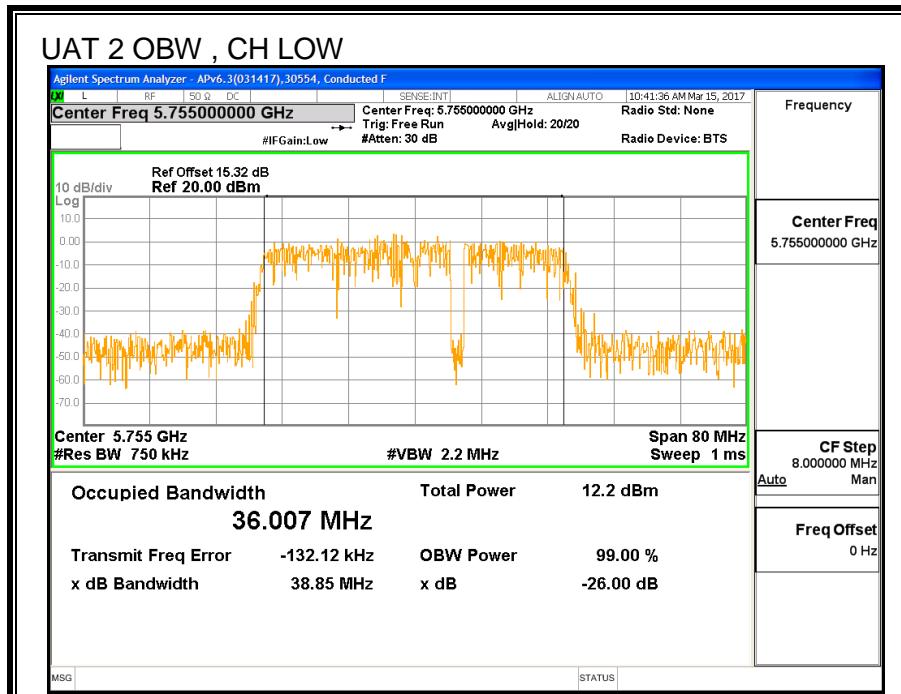
8.42.3. 99% BANDWIDTH

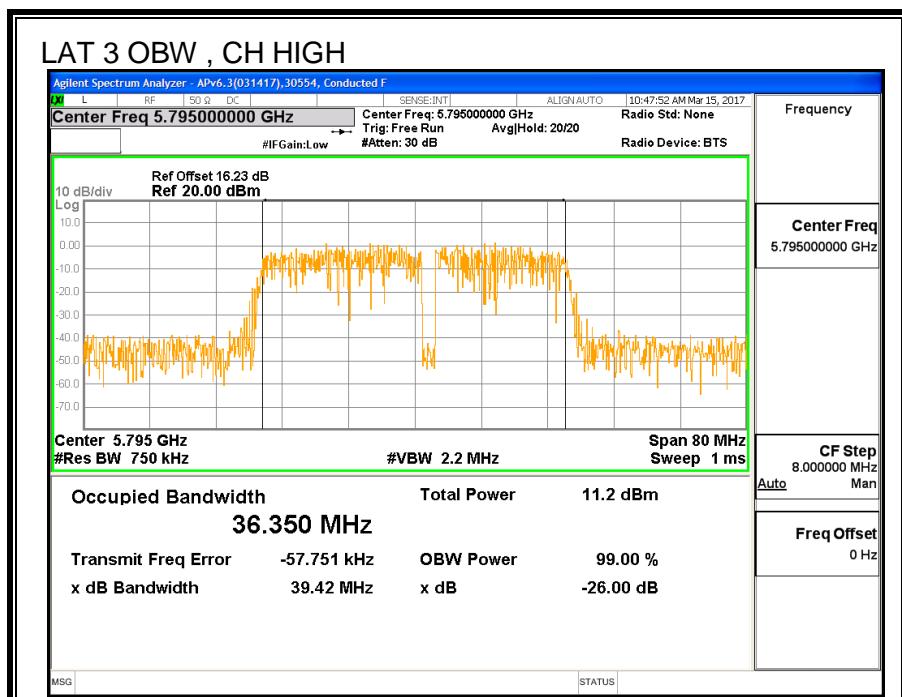
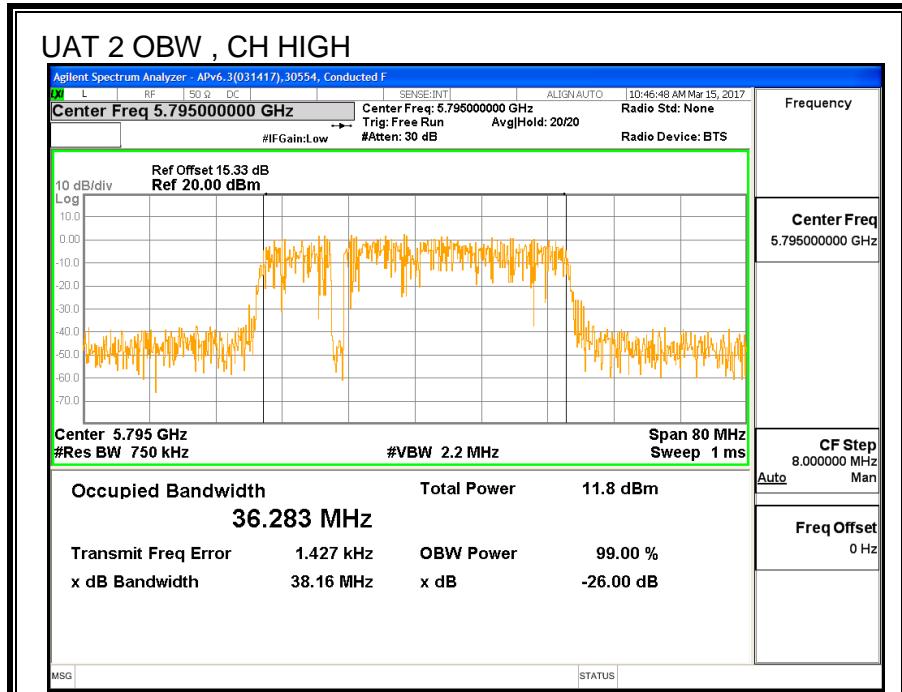
LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency	99% BW UAT 2 (MHz)	99% BW LAT 3 (MHz)
Low	5755	36.007	36.197
High	5795	36.283	36.350





8.42.4. AVERAGE POWER

ID:	39472	Date:	6/11/17
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LIMITS

None; for reporting purposes only.

TEST PROCEDURE

Measurements perform using a wideband gated RF power meter.

RESULTS

Channel	Frequency (MHz)	UAT 2 Power (dBm)	LAT 3 Power (dBm)	Total Power (dBm)
Low	5755	19.36	19.32	22.35
High	5795	19.45	19.25	22.36

8.42.5. OUTPUT POWER

LIMITS

FCC §15.407 (a) (3)

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

TEST PROCEDURE

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

DIRECTIONAL ANTENNA GAIN

For Power used uncorrelated 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)
0.68	-0.93	-0.05

RESULTS

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)
Low	5755	-0.05	30.00
High	5795	-0.05	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	19.36	19.32	22.35	30.00	-7.65
High	5795	19.45	19.25	22.36	30.00	-7.64

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

For PSD used correlated 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)
0.68	-0.93	2.92

RESULTS

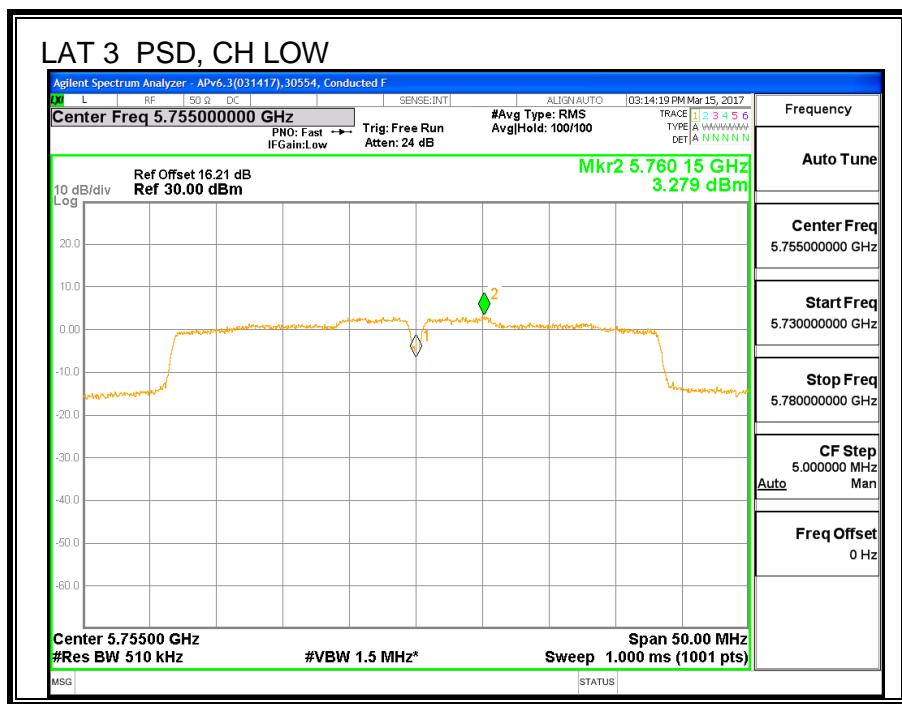
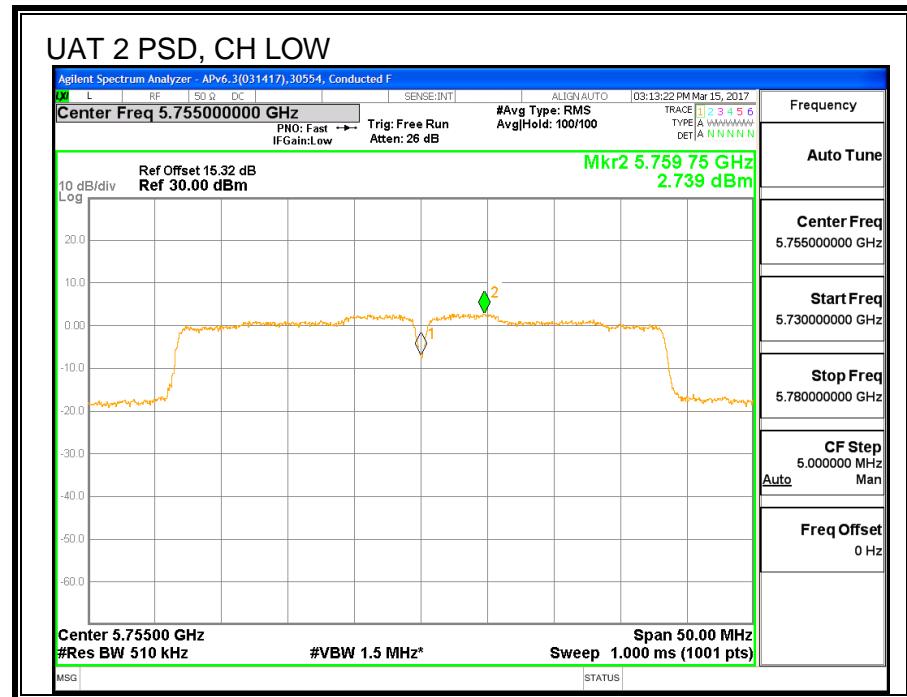
Antenna Gain and Limit

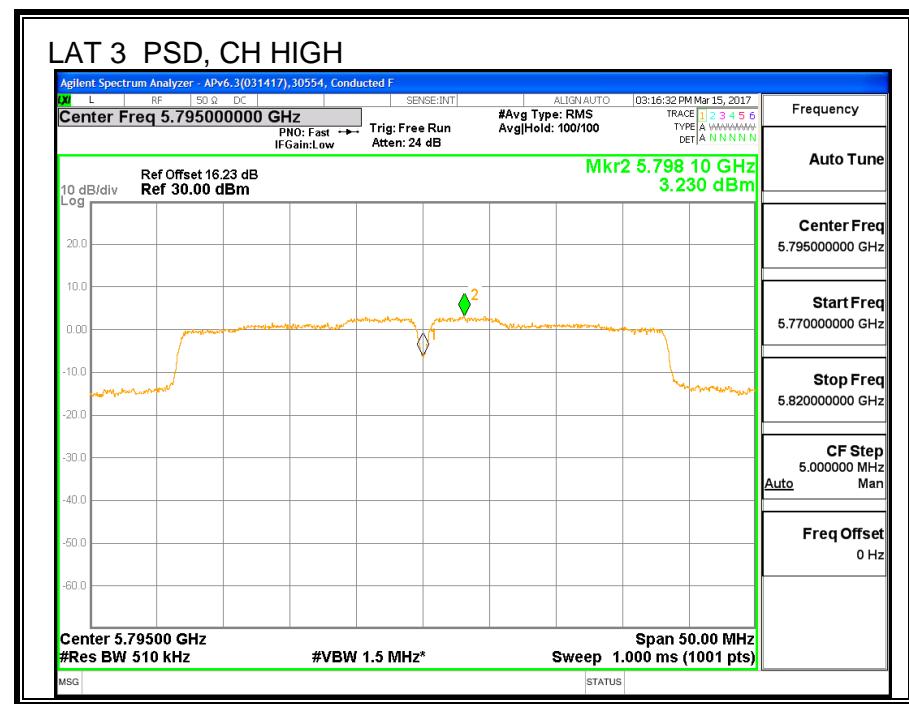
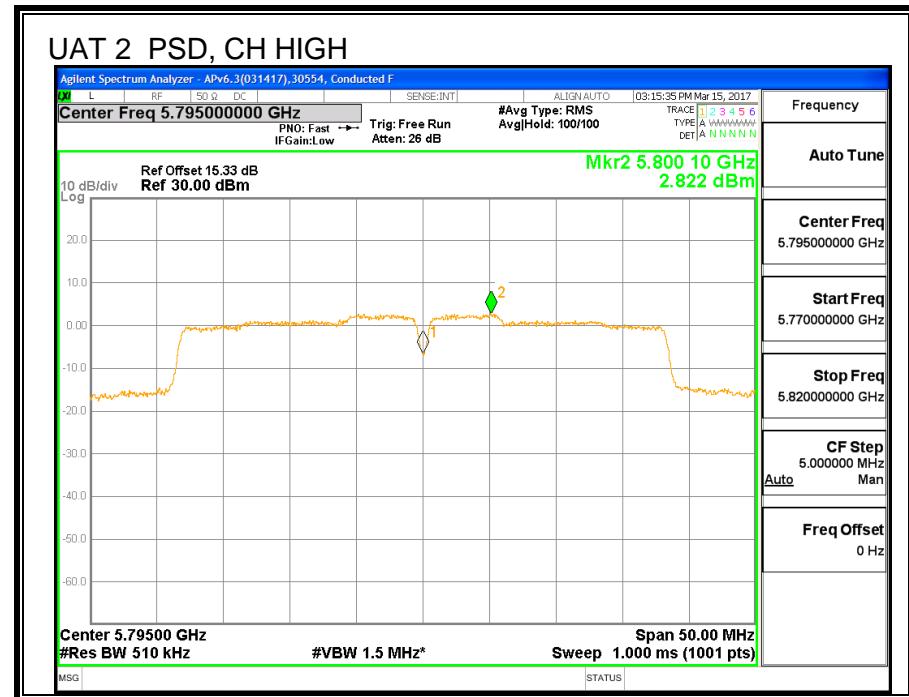
Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm)
Low	5755	2.92	30.00
High	5795	2.92	30.00

Duty Cycle CF (dB)	0.09	Included in Calculations of Corr'd PSD
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PSD Results

Channel	Frequency (MHz)	UAT 2 Meas PSD (dBm)	LAT 3 Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Low	5755	2.739	3.279	6.12	30.00	-23.88
High	5795	2.822	3.23	6.13	30.00	-23.87





8.43. 11ac HT80 UAT 2 SISO MODE IN THE 5.8GHz BAND

8.43.1. 6 dB BANDWIDTH

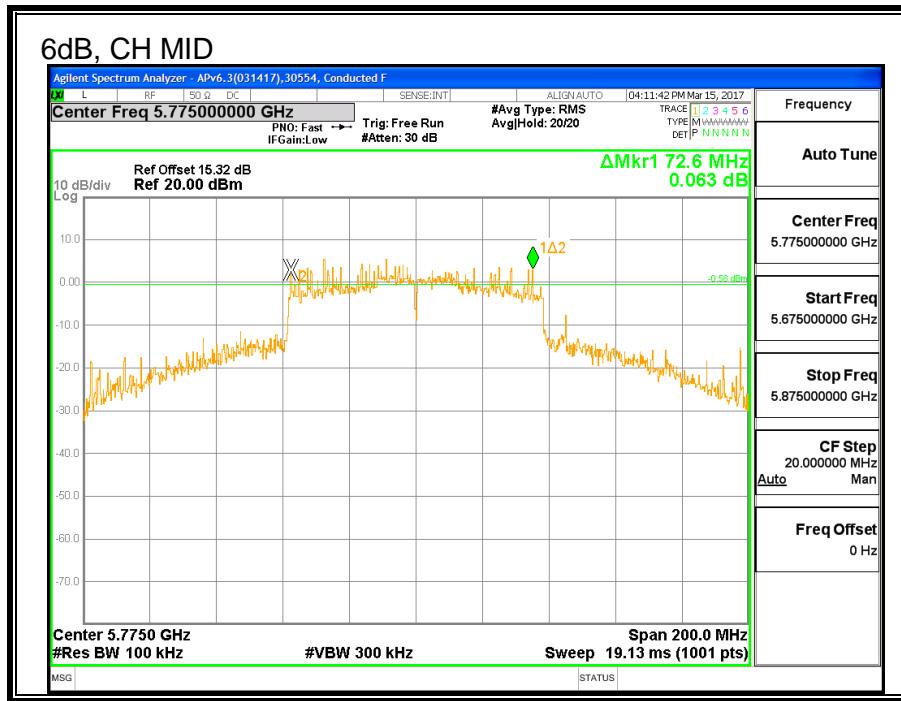
LIMITS

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	72.6	0.5



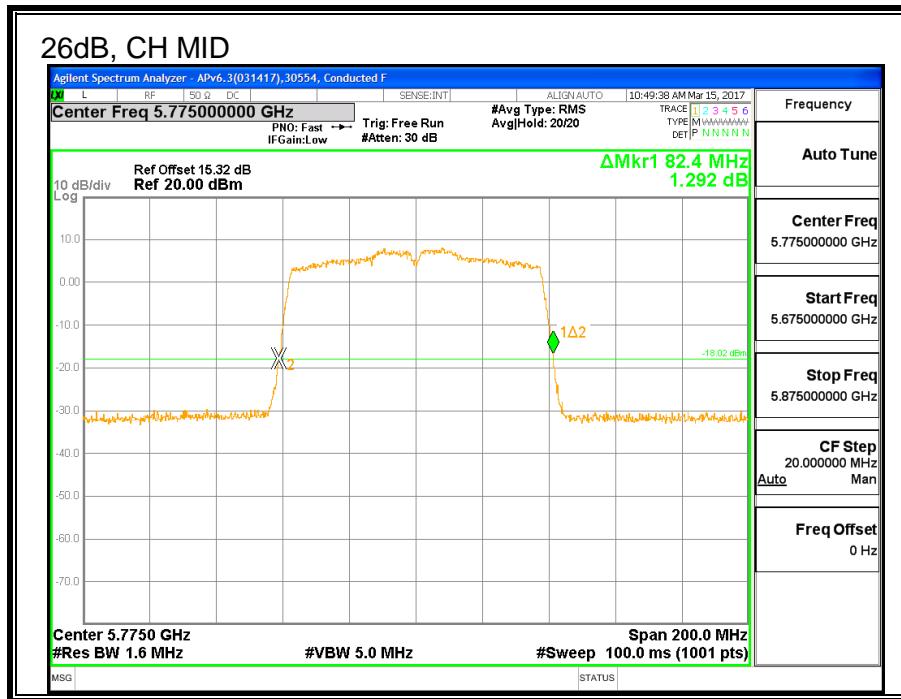
8.43.2. 26 dB BANDWIDTH

LIMITS

None; for reporting purposes only.

RESULTS

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



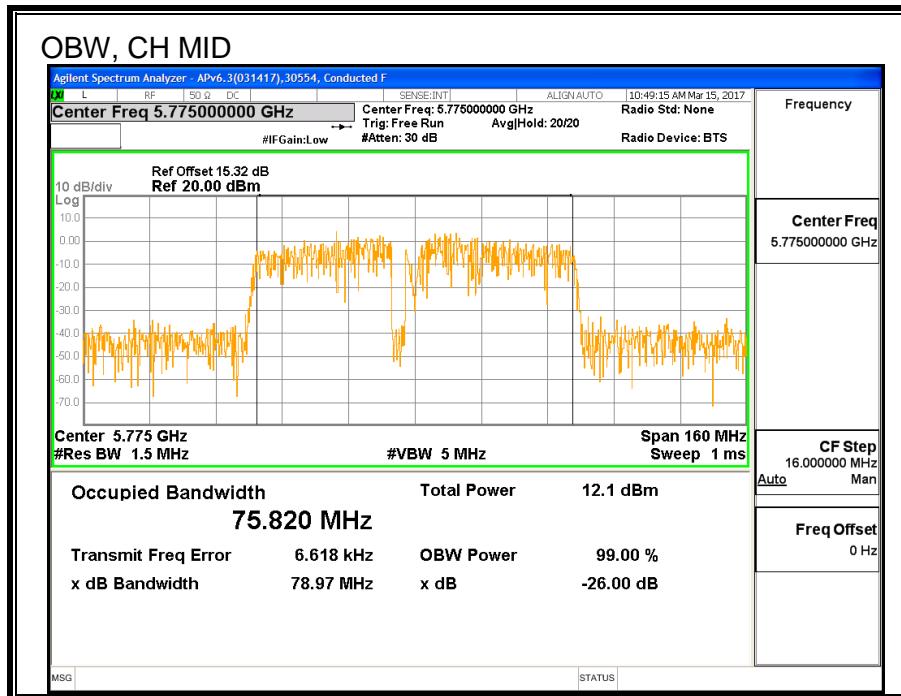
8.43.3. 99% BANDWIDTH

LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency	99% BW UAT 2 (MHz)
Mid	5775	75.82



8.43.4. AVERAGE POWER

ID:	39472	Date:	6/11/17
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LIMITS

None; for reporting purposes only.

TEST PROCEDURE

Measurements perform using a wideband gated RF power meter.

RESULTS

Channel	Frequency	Power UAT 2 (dBm)
Mid	5775	18.83

8.43.5. OUTPUT POWER

LIMITS

FCC §15.407 (a) (3)

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

TEST PROCEDURE

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

DIRECTIONAL ANTENNA GAIN

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

RESULTS

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)
Mid	5775	0.68	30.00

Output Power Results

Channel	Frequency (MHz)	UAT 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	18.83	18.83	30.00	-11.17

8.43.6. POWER SPECTRAL DENSITY

LIMITS

FCC §15.407 (a) (3)

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

DIRECTIONAL ANTENNA GAIN

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

RESULTS

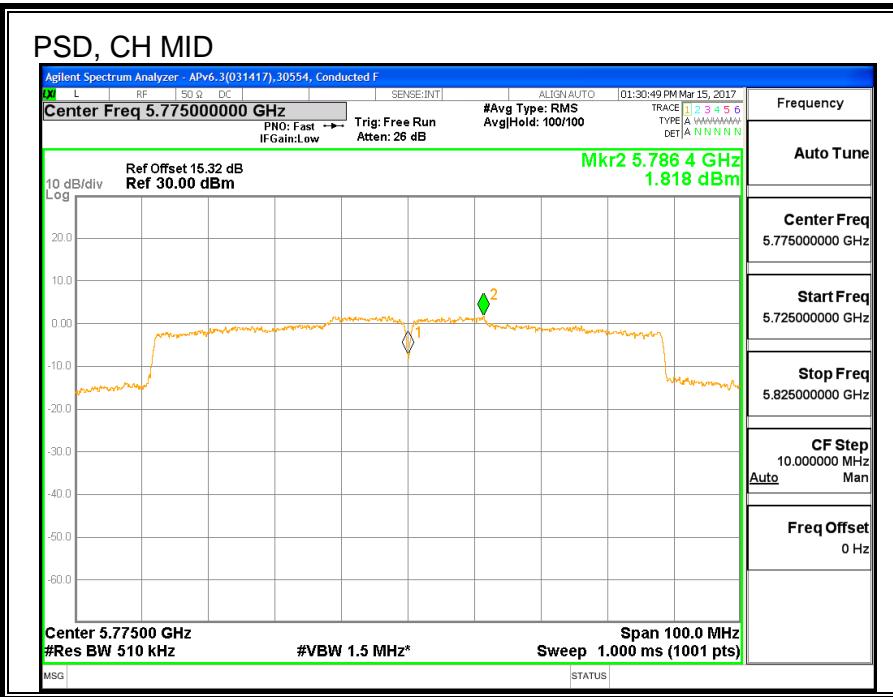
Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm)
Mid	5775	0.68	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)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Mid	5775	1.818	2.01	30.00	-27.99



8.44. 11ac HT80 LAT 3 SISO MODE IN THE 5.8GHz BAND

8.44.1. 6 dB BANDWIDTH

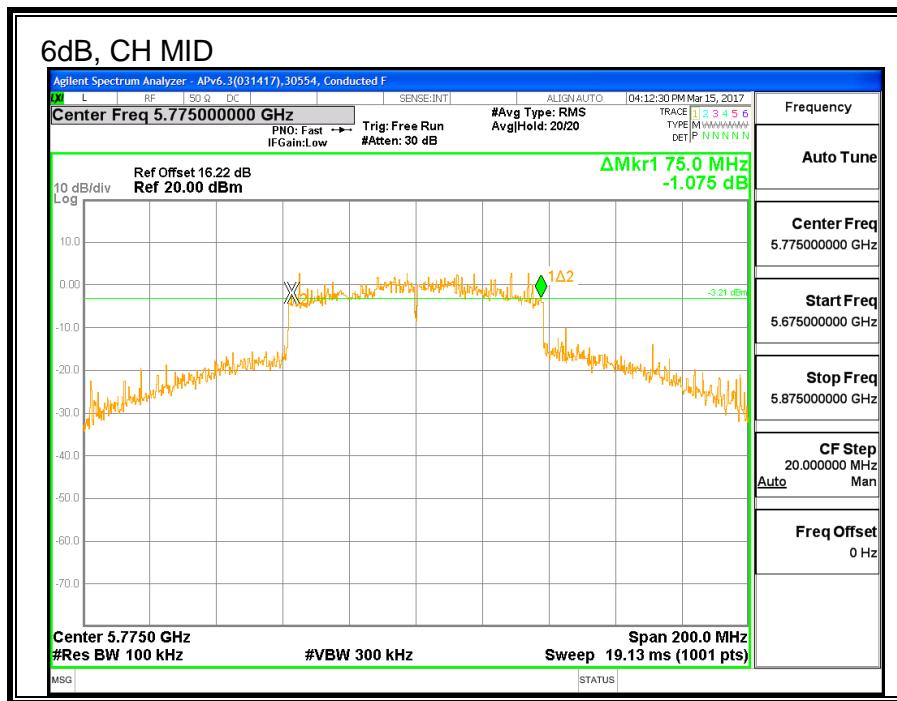
LIMITS

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	0.5



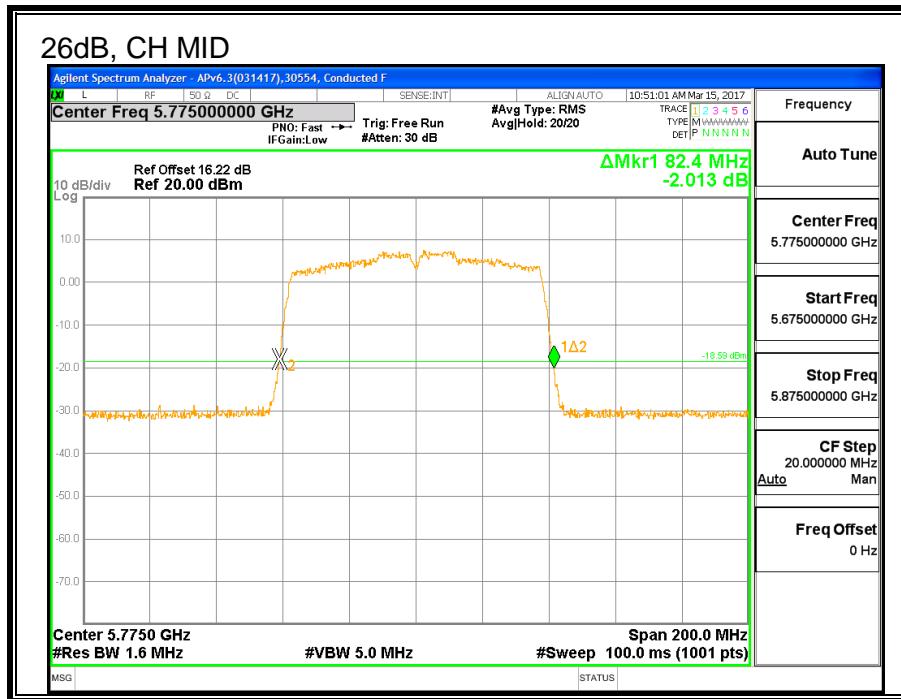
8.44.2. 26 dB BANDWIDTH

LIMITS

None; for reporting purposes only.

RESULTS

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



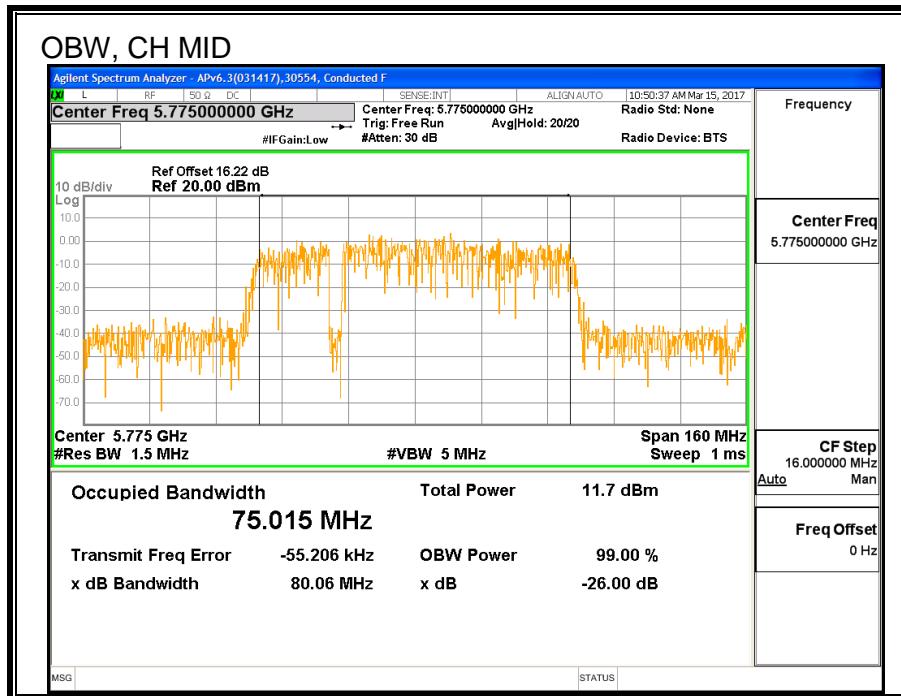
8.44.3. 99% BANDWIDTH

LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency	99% BW LAT 3 (MHz)
Mid	5775	75.015



8.44.4. AVERAGE POWER

ID:	39472	Date:	6/11/17
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LIMITS

None; for reporting purposes only.

TEST PROCEDURE

Measurements perform using a wideband gated RF power meter.

RESULTS

Channel	Frequency	Power LAT 3 (dBm)
Mid	5775	18.79

8.44.5. OUTPUT POWER

LIMITS

FCC §15.407 (a) (3)

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

TEST PROCEDURE

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

DIRECTIONAL ANTENNA GAIN

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

RESULTS

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)
Mid	5775	-0.93	30.00

Output Power Results

Channel	Frequency (MHz)	LAT 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	18.79	18.79	30.00	-11.21

8.44.6. POWER SPECTRAL DENSITY

LIMITS

FCC §15.407 (a) (3)

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

DIRECTIONAL ANTENNA GAIN

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

RESULTS

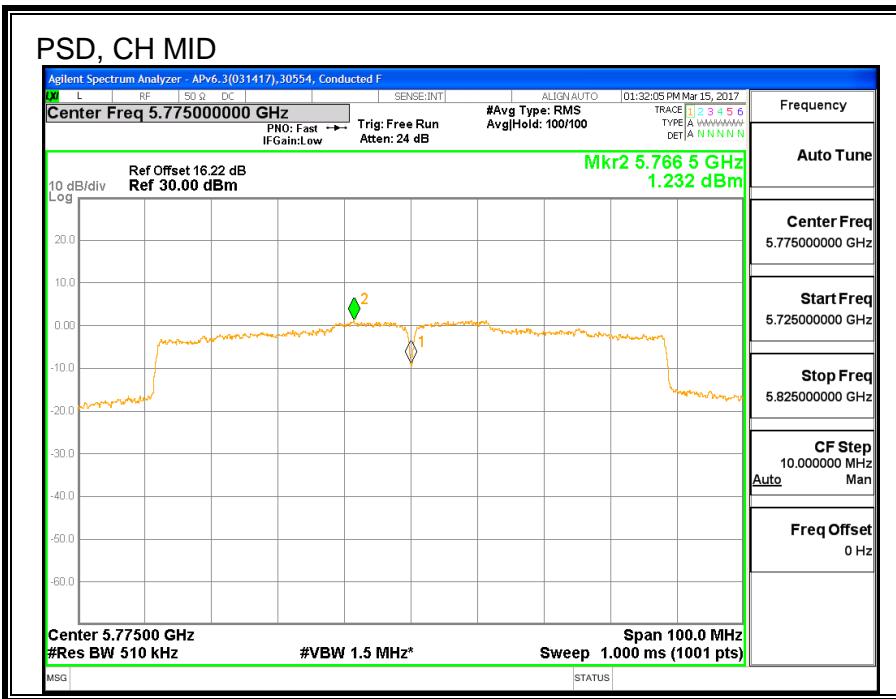
Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm)
Mid	5775	-0.93	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)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Mid	5775	1.232	1.42	30.00	-28.58



8.45. 11ac HT80 2TX CDD MIMO MODE IN THE 5.8GHz BAND

8.45.1. 6 dB BANDWIDTH

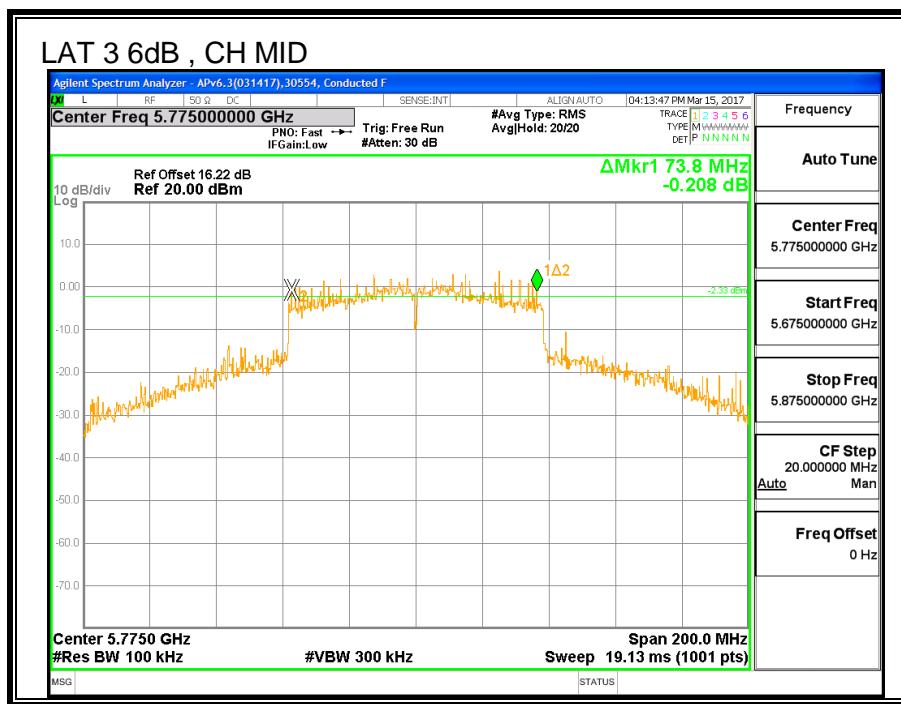
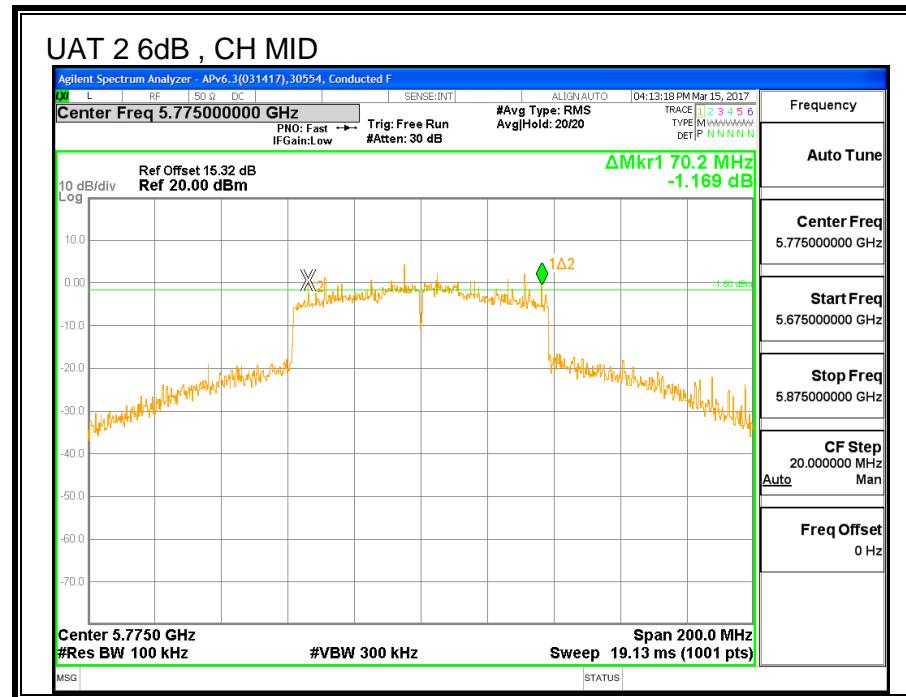
LIMITS

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	70.2	73.8	0.5



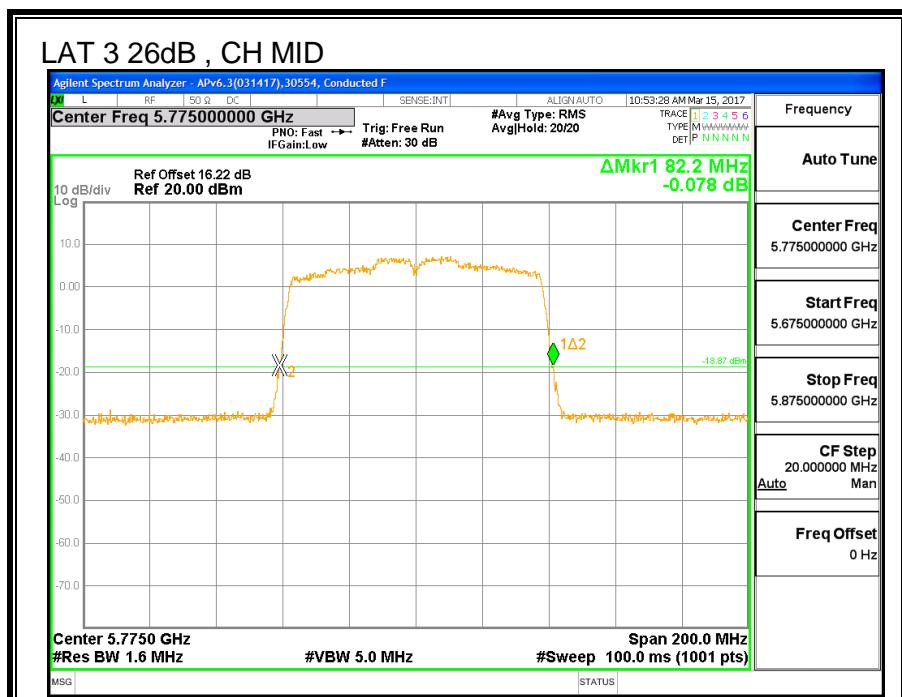
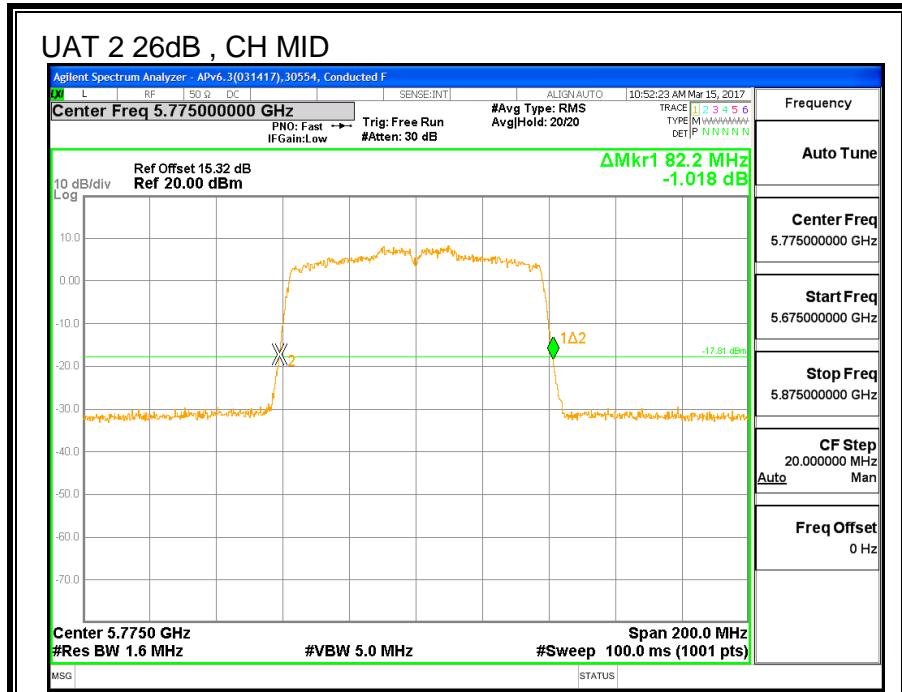
8.45.2. 26 dB BANDWIDTH

LIMITS

None; for reporting purposes only.

RESULTS

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



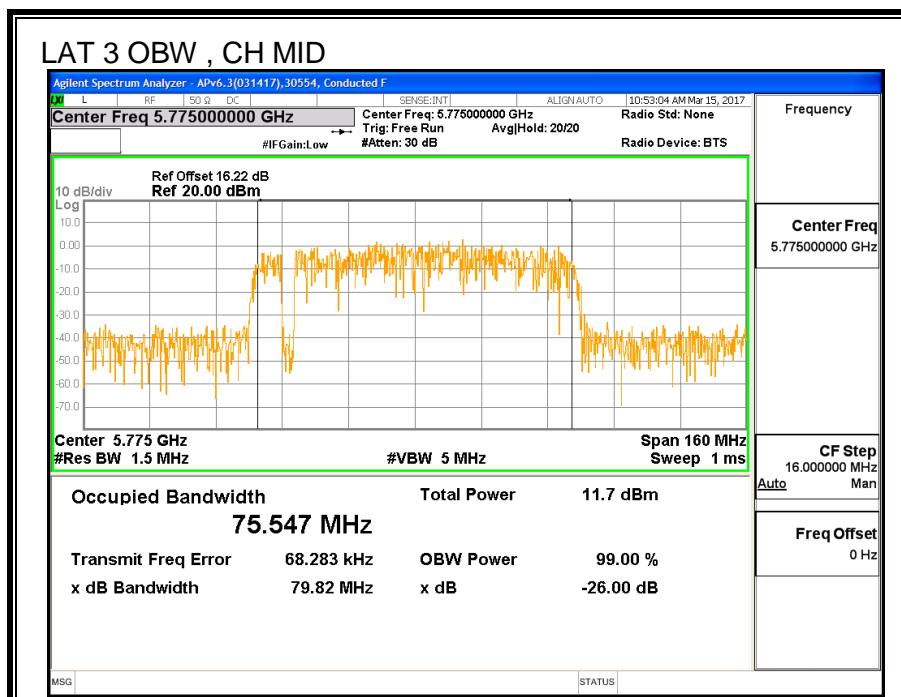
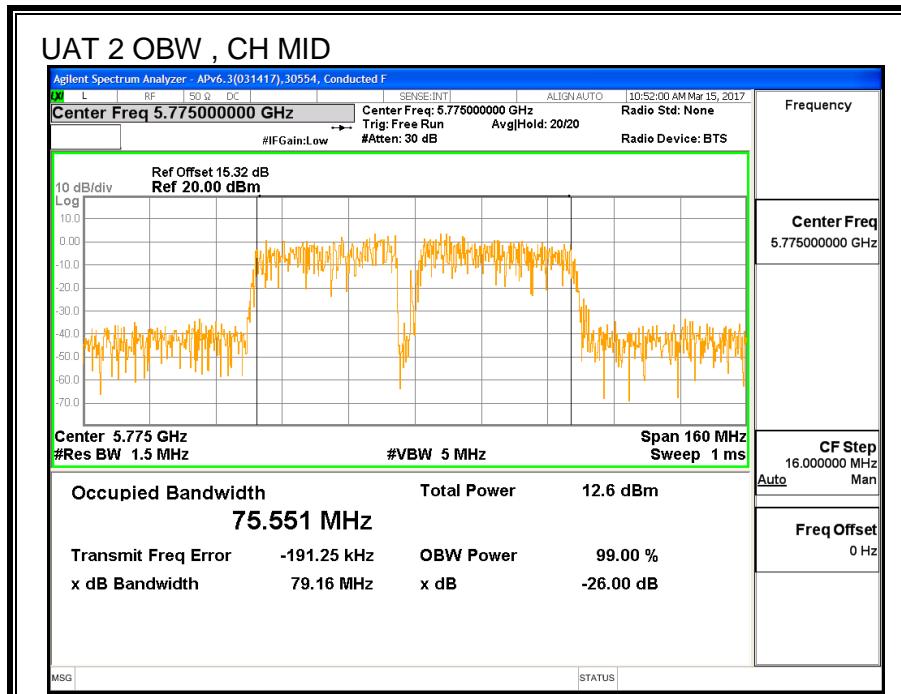
8.45.3. 99% BANDWIDTH

LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency	99% BW UAT 2 (MHz)	99% BW LAT 3 (MHz)
Mid	5775	75.551	75.547



8.45.4. AVERAGE POWER

ID:	39472	Date:	6/11/17
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LIMITS

None; for reporting purposes only.

TEST PROCEDURE

Measurements perform using a wideband gated RF power meter.

RESULTS

Channel	Frequency (MHz)	UAT 2 Power (dBm)	LAT 3 Power (dBm)	Total Power (dBm)
Mid	5775	17.43	17.39	20.42

8.45.5. OUTPUT POWER

LIMITS

FCC §15.407 (a) (3)

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

TEST PROCEDURE

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

DIRECTIONAL ANTENNA GAIN

For Power used uncorrelated 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)
0.68	-0.93	-0.05

RESULTS

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)
Mid	5775	-0.05	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	17.43	17.39	20.42	30.00	-9.58

8.45.6. 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

For PSD used correlated 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)
0.68	-0.93	2.92

RESULTS

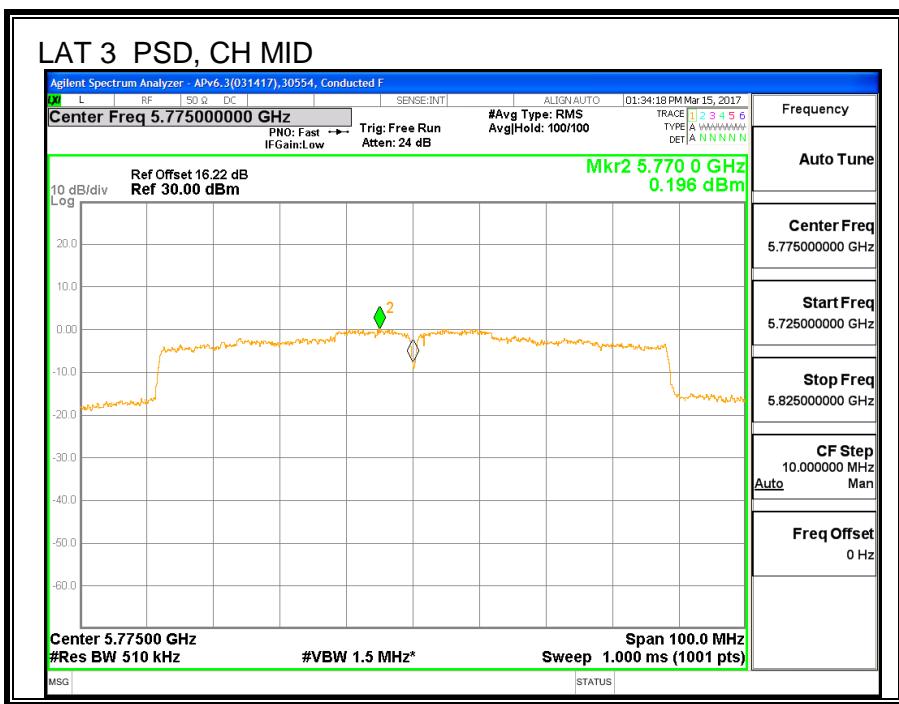
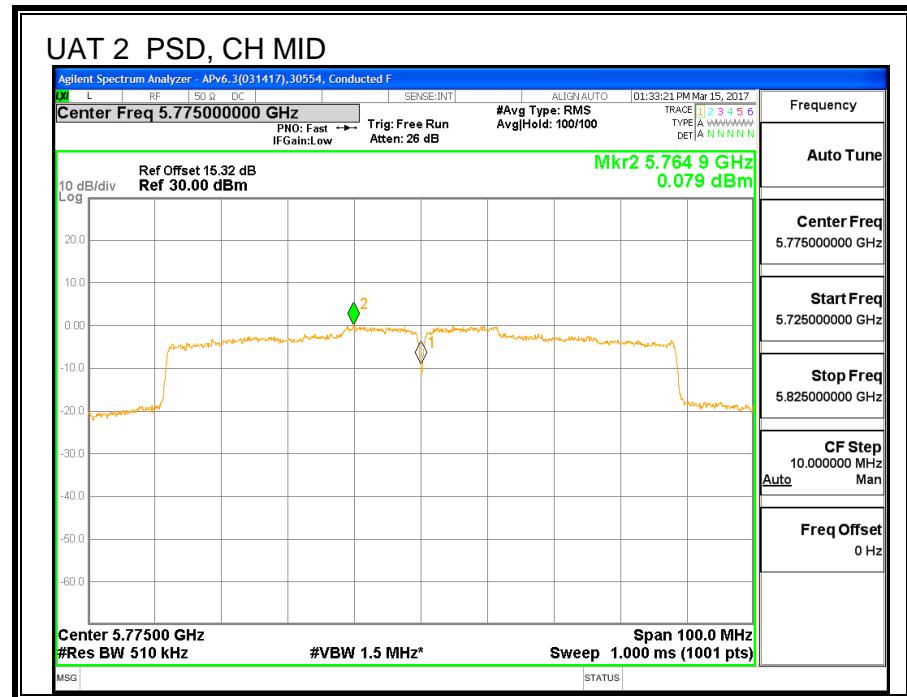
Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm)
Mid	5775	2.92	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)	LAT 3 Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Mid	5775	0.079	0.196	3.34	30.00	-26.66



9. RADIATED TEST RESULTS

9.1. LIMITS AND PROCEDURE

LIMITS

FCC §15.205 and §15.209

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

TEST PROCEDURE

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

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

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

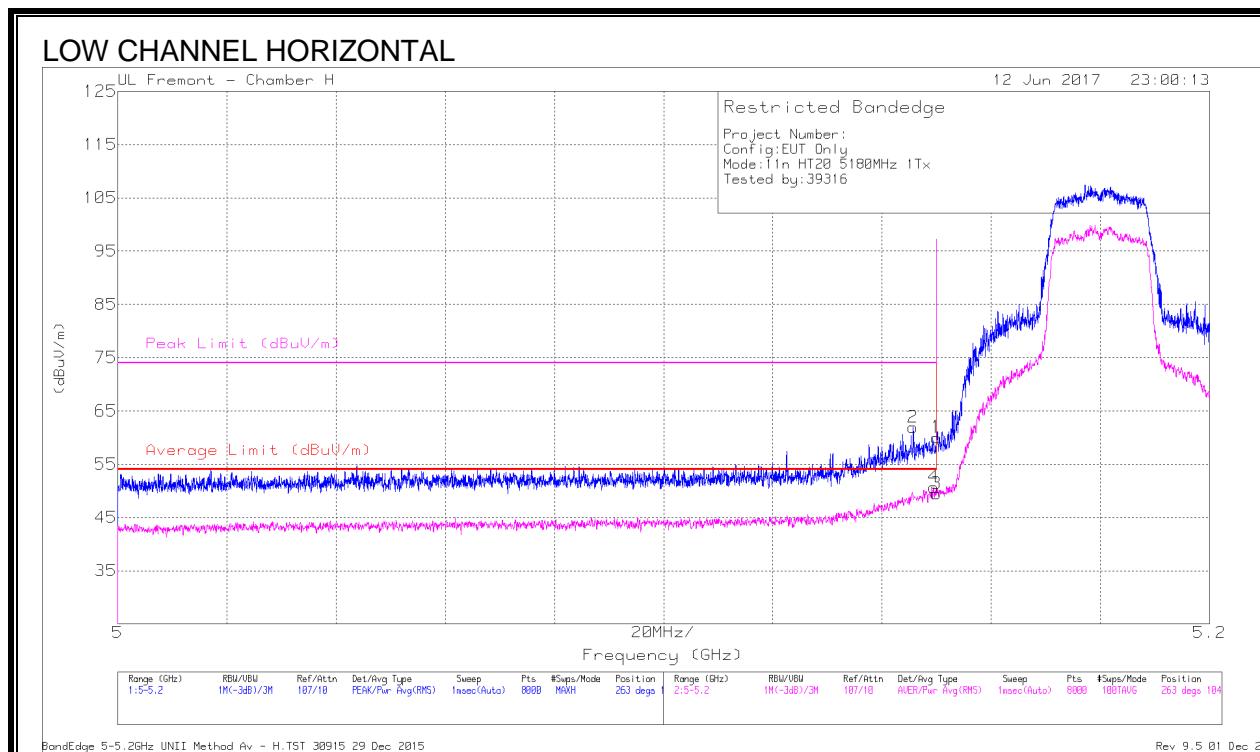
For final measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and as applicable for average measurements.

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

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

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

RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.146	52.14	Pk	34.2	-24.4	61.94	-	-	74	-12.06	263	104	H
4	* 5.149	40.86	RMS	34.2	-24.4	50.66	54	-3.34	-	-	263	104	H
1	* 5.15	50.23	Pk	34.2	-24.4	60.03	-	-	74	-13.97	263	104	H
3	* 5.15	39.64	RMS	34.2	-24.4	49.44	54	-4.56	-	-	263	104	H

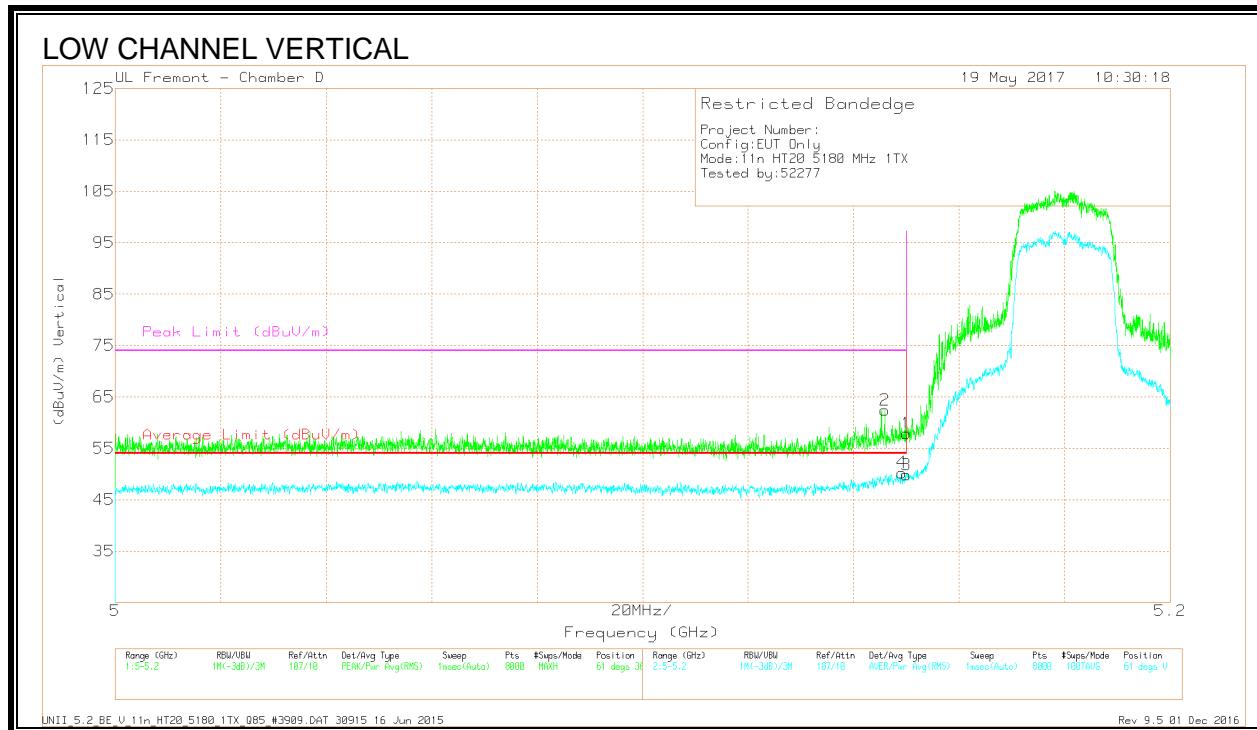
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

UNII_5.2_BE_H_11n_HT20_5180_1TX_Q85_#3909.DAT 30915 16 Jun 2015

Rev 9.5 01 Dec 2016



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl /Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	41.89	Pk	34.4	-18.4	57.89	-	-	74	-16.11	61	361	V
2	* 5.146	46.41	Pk	34.4	-18.4	62.41	-	-	74	-11.59	61	361	V
3	* 5.15	33.81	RMS	34.4	-18.4	49.81	54	-4.19	-	-	61	361	V
4	* 5.149	34.25	RMS	34.4	-18.4	50.25	54	-3.75	-	-	61	361	V

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

Pk - Peak detector

RMS - RMS detection

UNII_5.2_BE_V_11n_HT20_5180_1TX_Q85_#3909.DAT 30915 16 Jun 2015

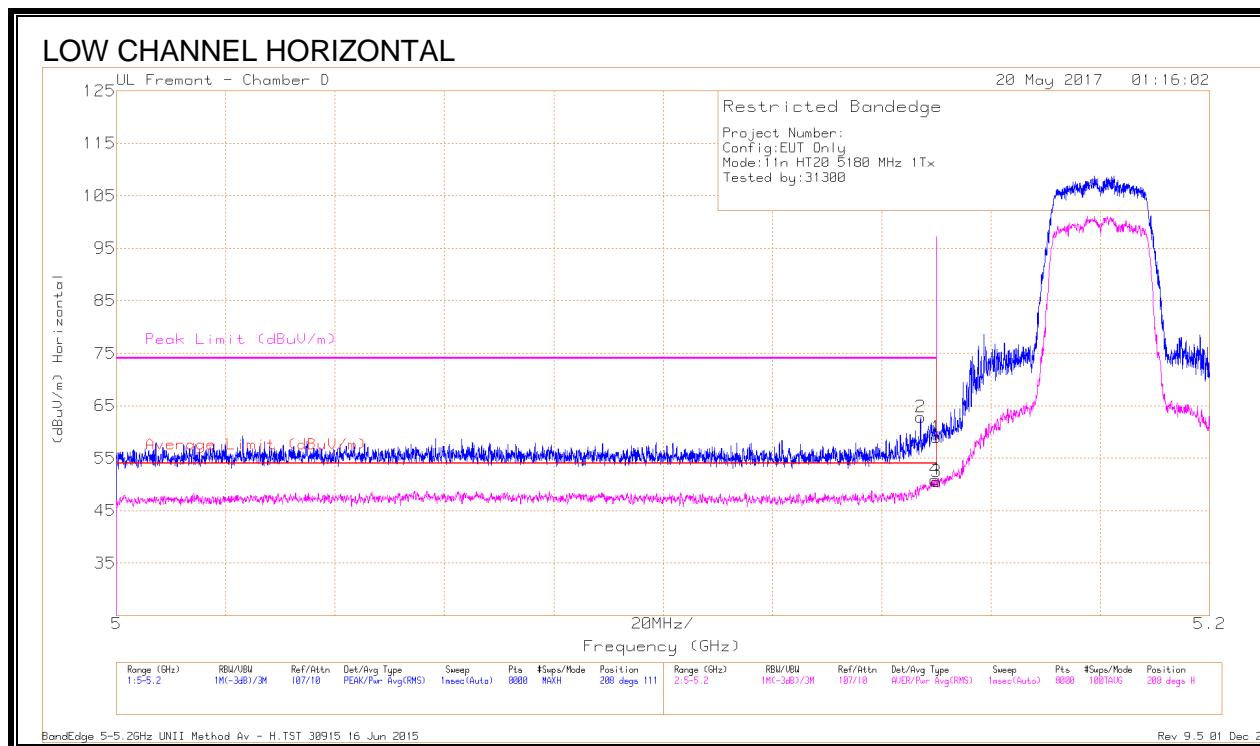
Rev 9.5 01 Dec 2016

HARMONICS AND SPURIOUS EMISSIONS

Noted: Covered by 802.11n HT20 2Tx (UAT 2 + LAT 3) CDD MODE IN THE 5.2 GHz BAND

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 T120 (dB/m)	Amp/Cbl /Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.147	46.78	Pk	34.4	-18.4	62.78	-	-	74	-11.22	208	111	H
1	* 5.15	42.95	Pk	34.4	-18.4	58.95	-	-	74	-15.05	208	111	H
3	* 5.15	34.59	RMS	34.4	-18.4	50.59	54	-3.41	-	-	208	111	H
4	* 5.15	34.94	RMS	34.4	-18.4	50.94	54	-3.06	-	-	208	111	H

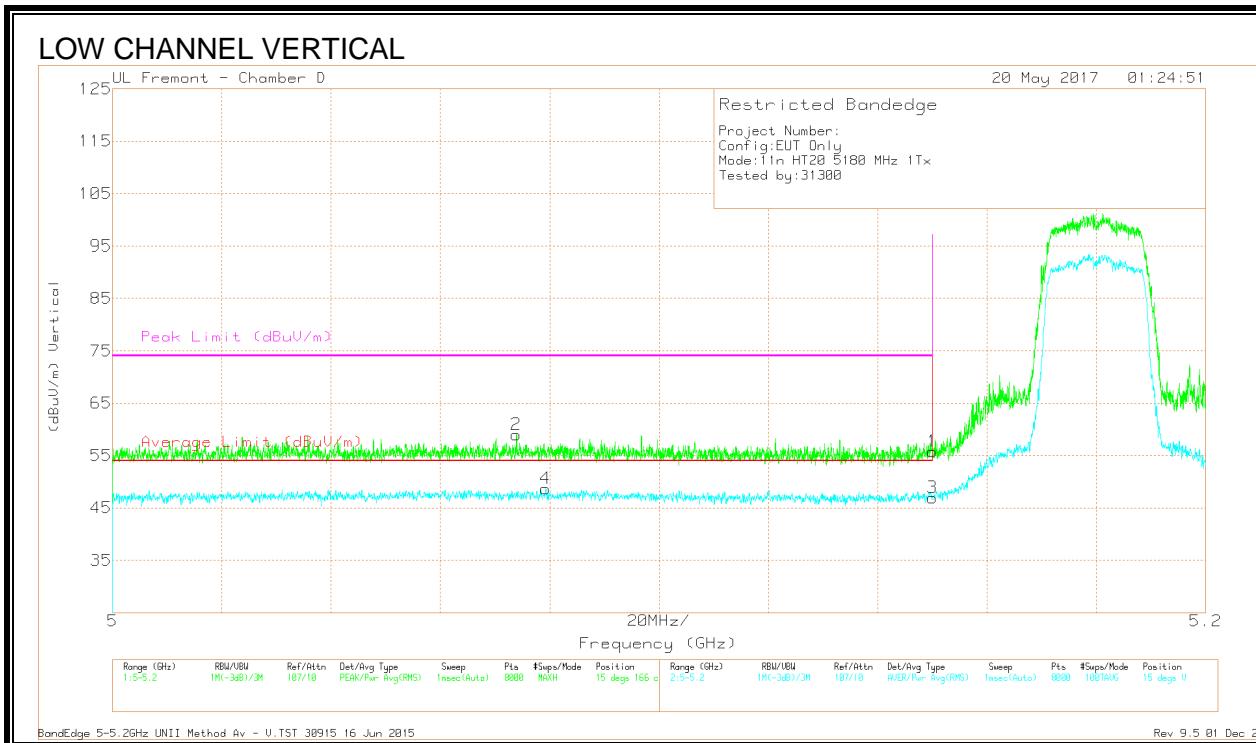
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

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

Rev 9.5 01 Dec 2016



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl /Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.074	42.81	Pk	34.3	-18.1	59.01	-	-	74	-14.99	15	166	V
4	* 5.079	32.57	RMS	34.3	-18.2	48.67	54	-5.33	-	-	15	166	V
1	* 5.15	39.76	Pk	34.4	-18.4	55.76	-	-	74	-18.24	15	166	V
3	* 5.15	30.94	RMS	34.4	-18.4	46.94	54	-7.06	-	-	15	166	V

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

Pk - Peak detector

RMS - RMS detection

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

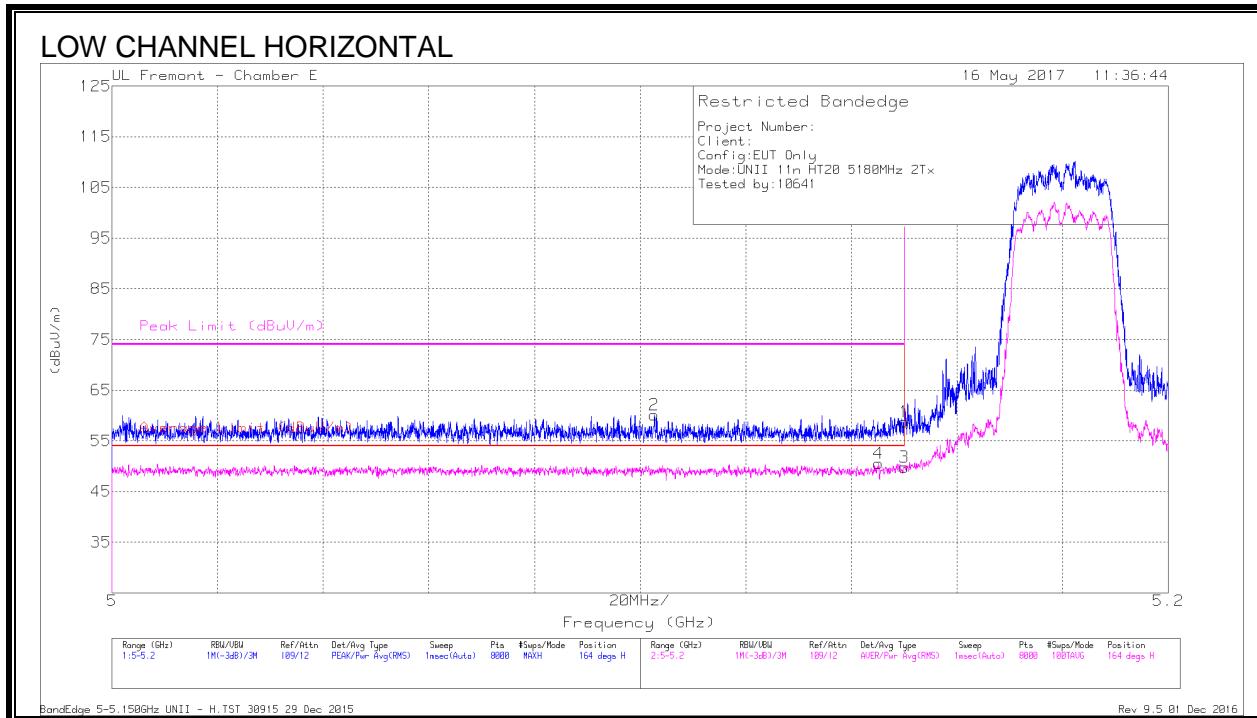
Rev 9.5 01 Dec 2016

HARMONICS AND SPURIOUS EMISSIONS

Noted: Covered by 802.11n HT20 2Tx (UAT 2 + LAT 3) CDD MODE IN THE 5.2 GHz BAND

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 T136 (dB/m)	Amp/Cbl /Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	42.23	Pk	35.3	-18.8	58.73	-	-	74	-15.27	164	128	H
2	* 5.103	43.48	Pk	35.2	-18.6	60.08	-	-	74	-13.92	164	128	H
3	* 5.15	33.3	RMS	35.3	-18.8	49.8	54	-4.2	-	-	164	128	H
4	* 5.145	33.99	RMS	35.3	-18.8	50.49	54	-3.51	-	-	164	128	H

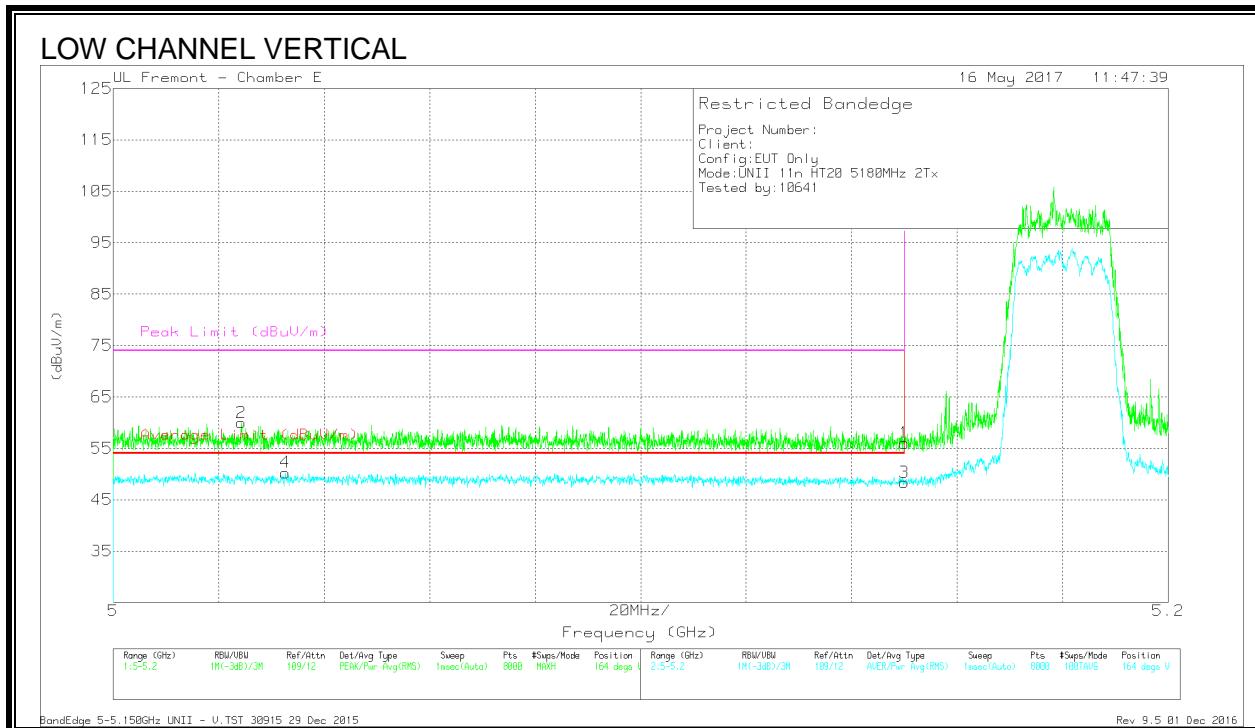
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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 T136 (dB/m)	Amp/Cbl /Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	39.52	Pk	35.3	-18.8	56.02	-	-	74	-17.98	164	128	V
2	* 5.024	43.46	Pk	35	-18.5	59.96	-	-	74	-14.04	164	128	V
3	* 5.15	31.86	RMS	35.3	-18.8	48.36	54	-5.64	-	-	164	128	V
4	* 5.033	33.66	RMS	35	-18.4	50.26	54	-3.74	-	-	164	128	V

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

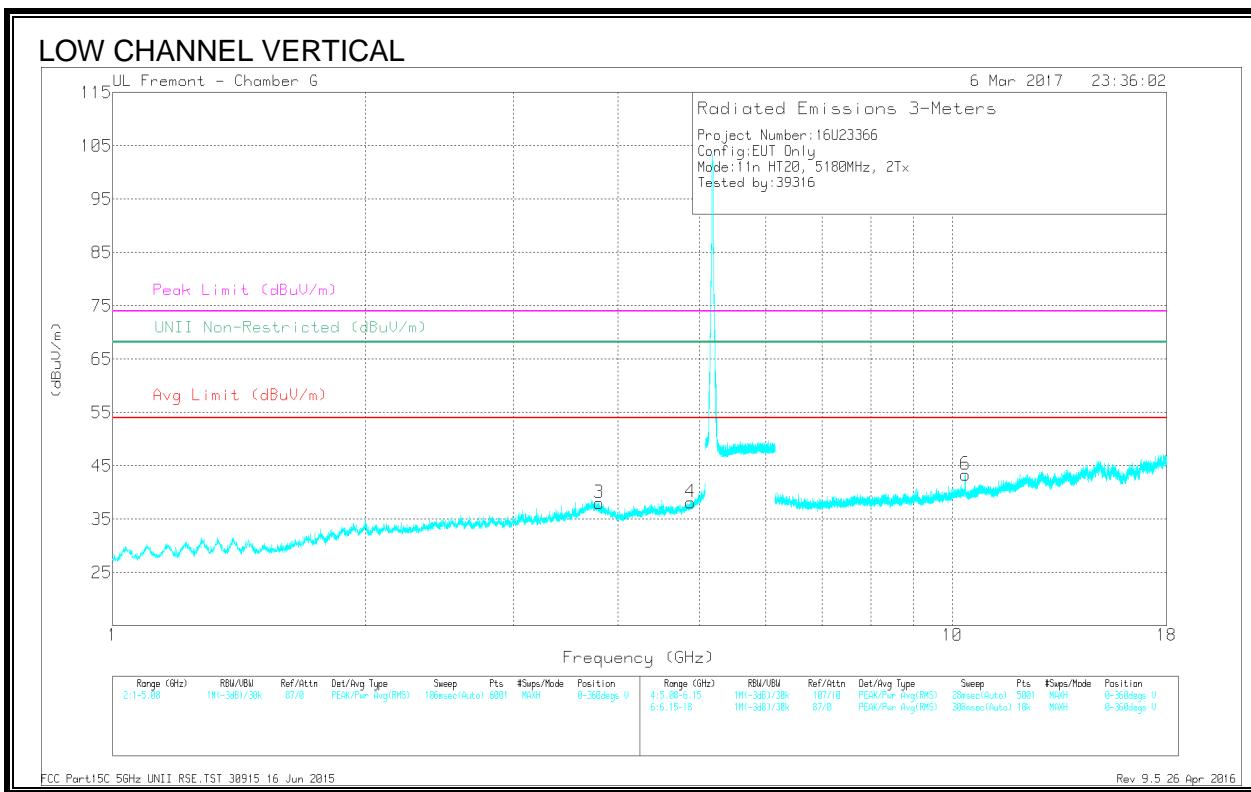
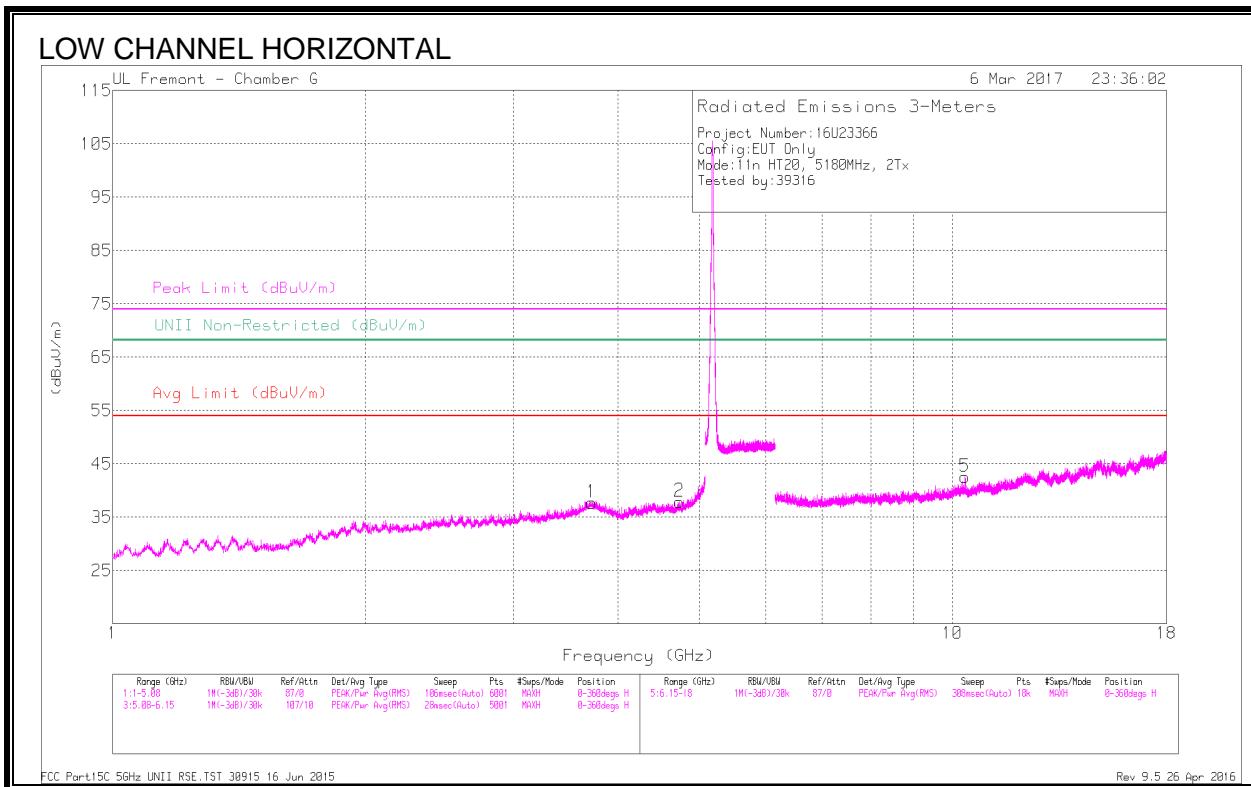
Pk - Peak detector

RMS - RMS detection

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

Rev 9.5 01 Dec 2016

HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/C bl/Fltr/ 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)	Azimut h (Degs)	Height (cm)	Polarit y
1	* 3.718	41.28	PK-U	34.2	-32.1	43.38	-	-	74	-30.62	-	-	130	164	H
	* 3.717	30.84	ADR	34.2	-32.1	32.94	54	-21.06	-	-	-	-	130	164	H
2	* 4.727	41.81	PK-U	34.4	-31.2	45.01	-	-	74	-28.99	-	-	178	212	H
	* 4.727	30.89	ADR	34.4	-31.2	34.09	54	-19.91	-	-	-	-	178	212	H
3	* 3.794	41.31	PK-U	33.9	-32.1	43.11	-	-	74	-30.89	-	-	211	274	V
	* 3.795	30.73	ADR	33.9	-32.1	32.53	54	-21.47	-	-	-	-	211	274	V
4	* 4.878	40.5	PK-U	34.5	-30.9	44.1	-	-	74	-29.9	-	-	197	248	V
	* 4.877	30.32	ADR	34.5	-30.9	33.92	54	-20.08	-	-	-	-	197	248	V
5	10.353	36.73	PK-U	37.4	-26.9	47.23	-	-	-	-	68.2	-20.97	120	199	H
6	10.365	36.95	PK-U	37.4	-26.7	47.65	-	-	-	-	68.2	-20.55	143	175	V

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

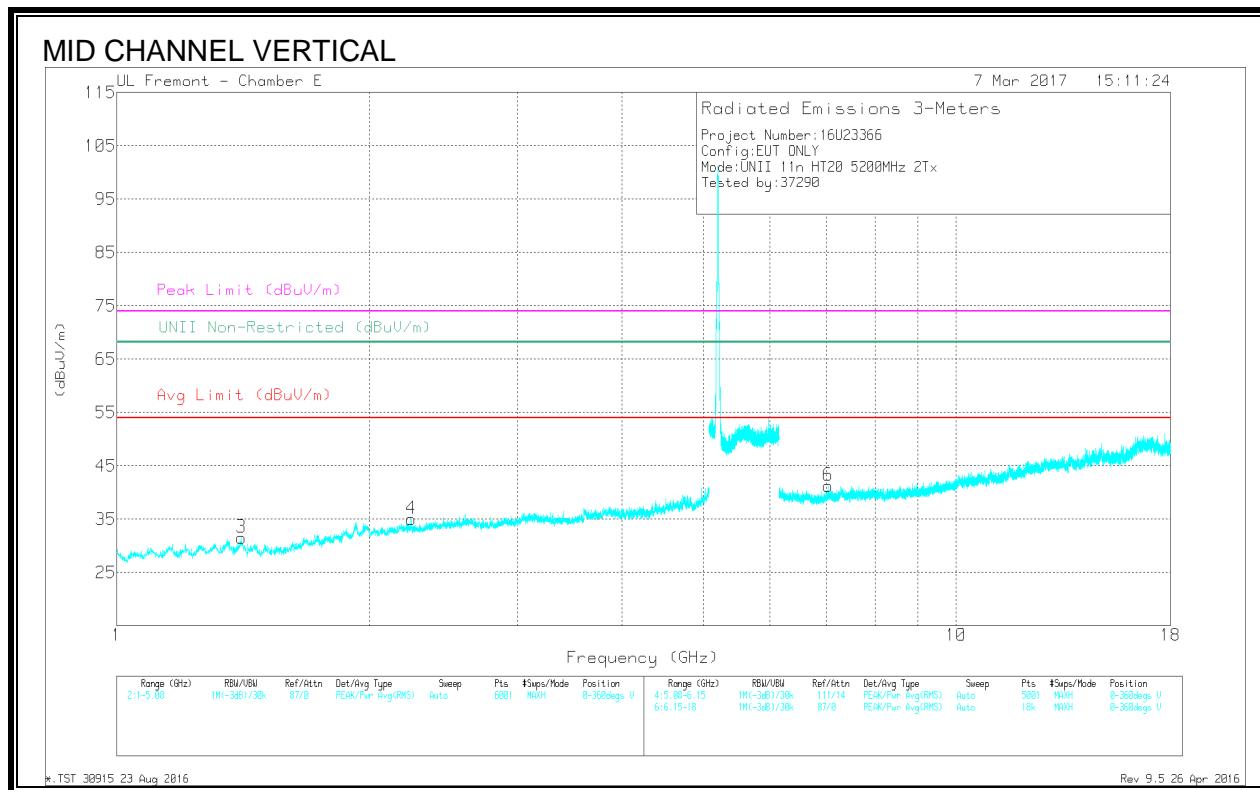
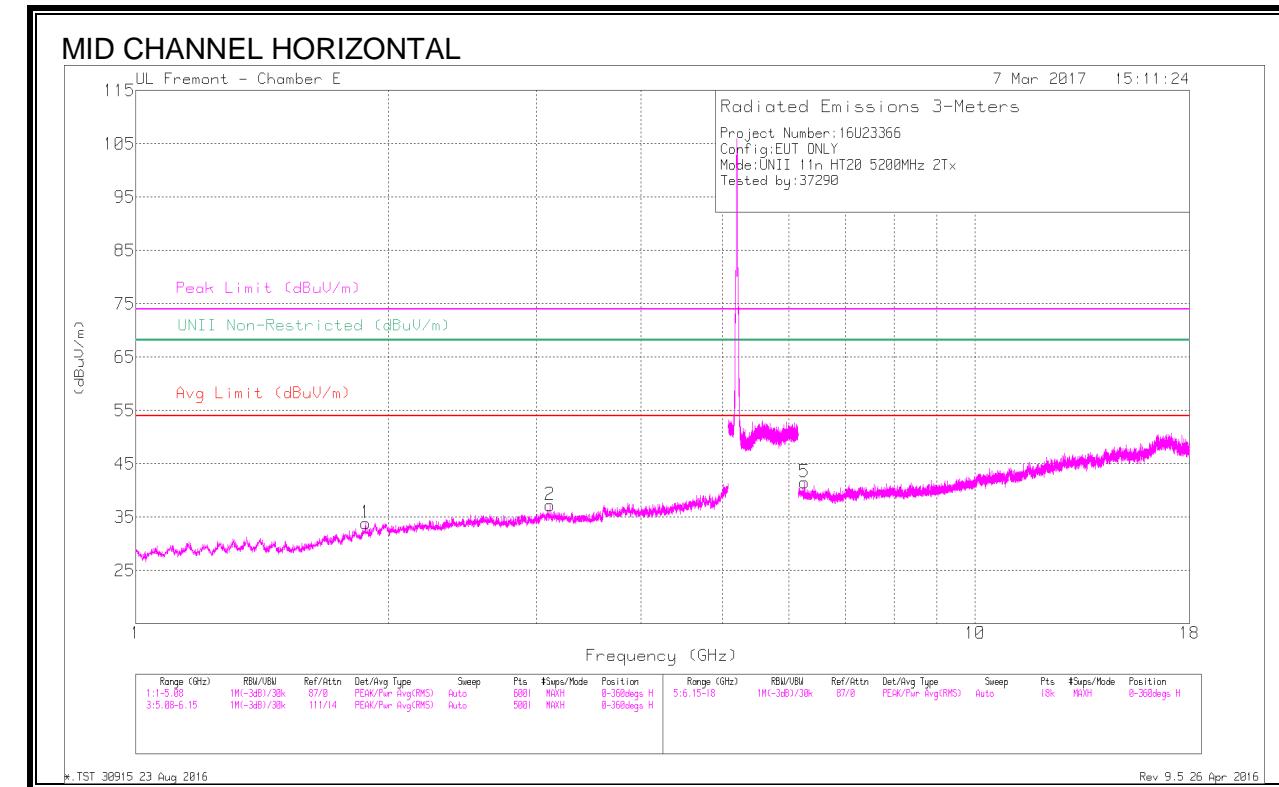
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

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

Rev 9.5 26 Apr 2016

Hh78



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/C bl/Fltr/ 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)	Azimut h (Degs)	Height (cm)	Polarit y
3	* 1.407	44.72	PK-U	28.6	-34.5	38.82	-	-	74	-35.18	-	-	66	200	V
	* 1.406	33.78	ADR	28.6	-34.4	27.98	54	-26.02	-	-	-	-	66	200	V
4	* 2.243	42.18	PK-U	31.6	-32.6	41.18	-	-	74	-32.82	-	-	66	200	V
	* 2.244	31.58	ADR	31.6	-32.7	30.48	54	-23.52	-	-	-	-	66	200	V
1	1.877	43.48	PK-U	30.7	-33.6	40.58	-	-	-	-	68.2	-27.62	66	100	H
2	3.114	41.12	PK-U	33.2	-30.9	43.42	-	-	-	-	68.2	-24.78	66	100	H
5	6.264	39.93	PK-U	35.6	-28.2	47.33	-	-	-	-	68.2	-20.87	66	101	H
7	7.04	38.35	PK-U	35.7	-27.1	46.95	-	-	-	-	68.2	-21.25	66	201	V

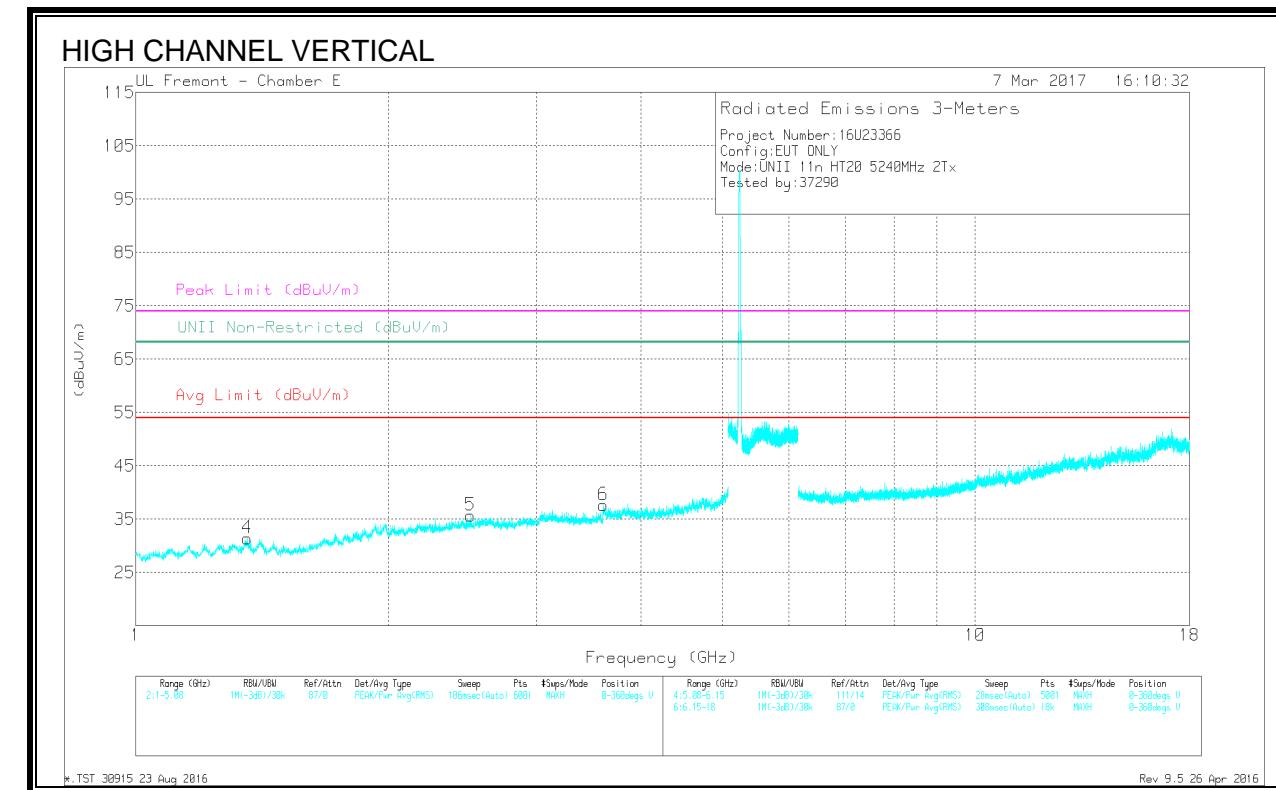
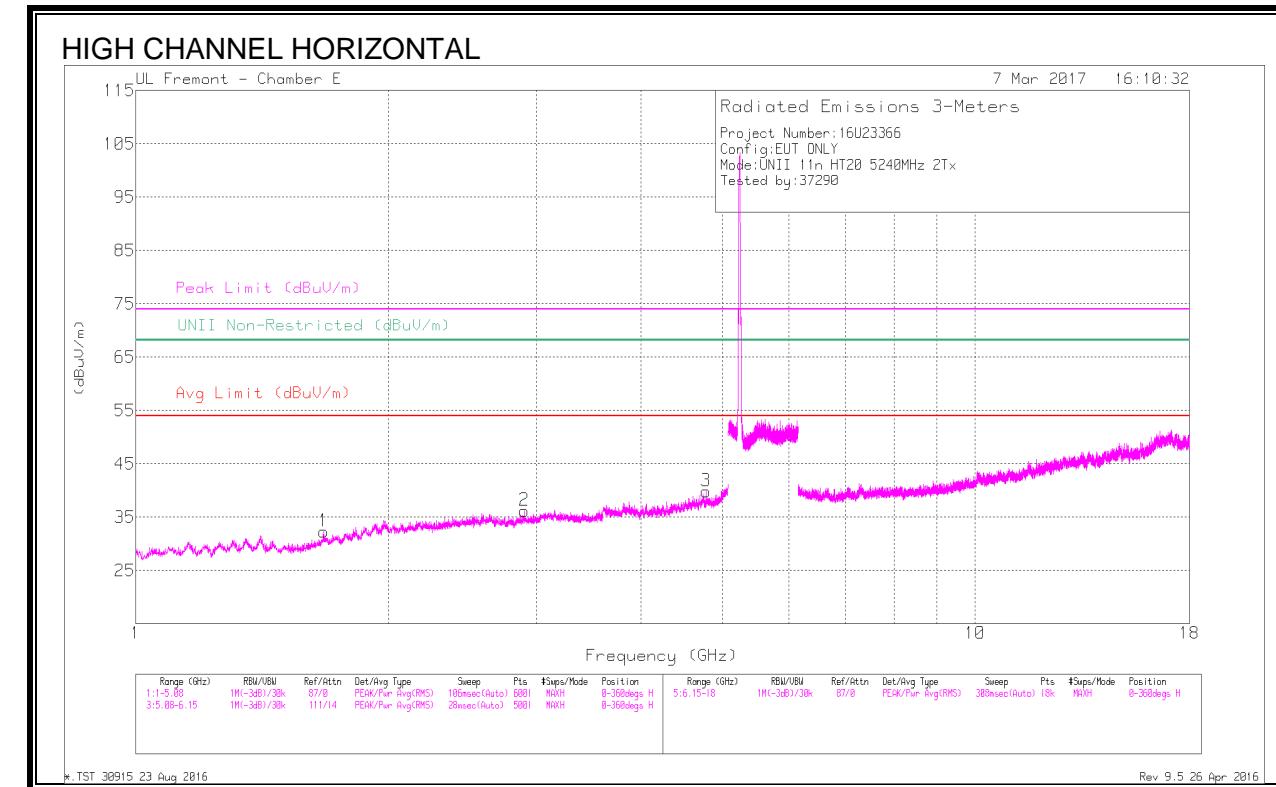
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

* TST 30915 23 Aug 2016

Rev 9.5 26 Apr 2016



DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/C bl/Fltr/ Pad (dB)	Correct ed Readin g (dBuV/ m)	Avg Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	U-NII Non-Restrict ed (dBuV/ m)	PK Margin (dB)	Azimut h (Degs)	Height (cm)	Polarity
* 1.673	43.15	PK-U	28.9	-33.4	38.65	-	-	74	-35.35	-	-	0	200	H
* 1.674	32.33	ADR	29	-33.4	27.93	54	-26.07	-	-	-	-	0	200	H
* 4.784	40.7	PK-U	34.2	-29.5	45.4	-	-	74	-28.6	-	-	0	101	H
* 4.782	30.35	ADR	34.2	-29.6	34.95	54	-19.05	-	-	-	-	0	101	H
* 1.358	44.34	PK-U	28.7	-34.8	38.24	-	-	74	-35.76	-	-	0	201	V
* 1.356	34	ADR	28.7	-34.7	28	54	-26	-	-	-	-	0	201	V
* 3.61	40.62	PK-U	32.9	-30.6	42.92	-	-	74	-31.08	-	-	0	201	V
* 3.609	30.17	ADR	32.9	-30.6	32.47	54	-21.53	-	-	-	-	0	201	V
2.502	42.56	PK-U	32.6	-32.8	42.36	-	-	-	-	68.2	-25.84	0	201	V
2.902	41.52	PK-U	32.6	-31.3	42.82	-	-	-	-	68.2	-25.38	0	101	H

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

PK-U - U-NII: Maximum Peak

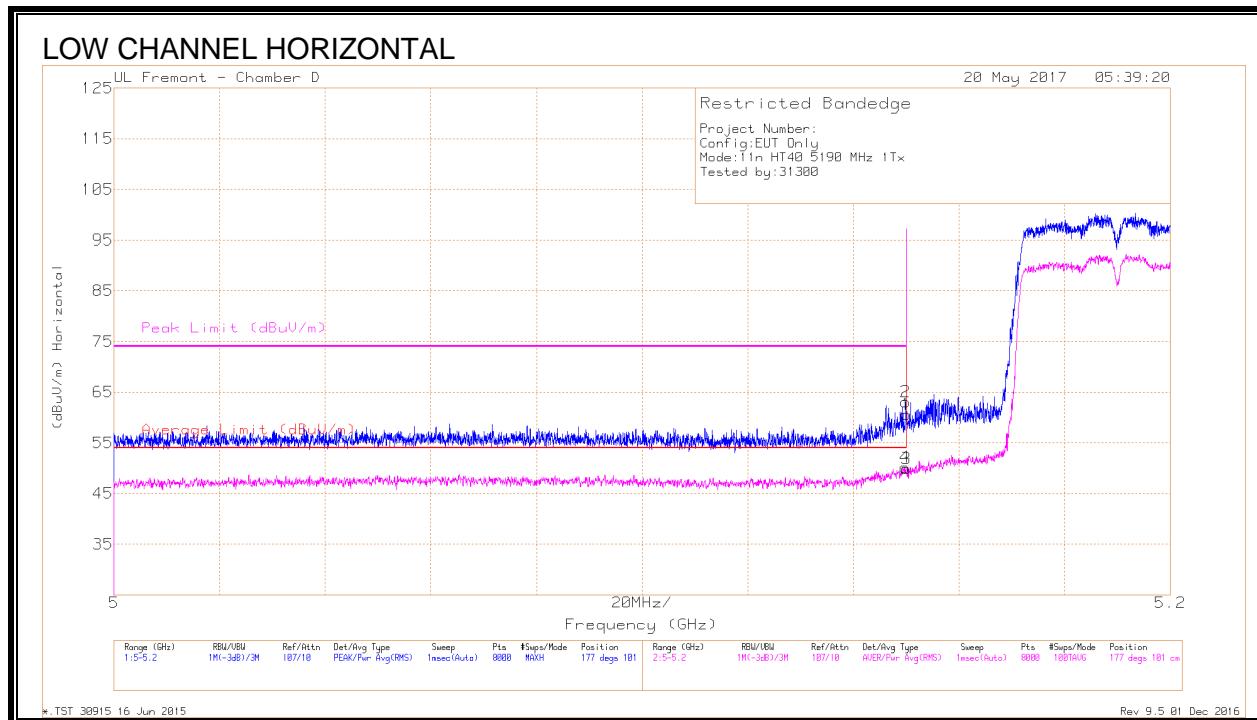
ADR - U-NII AD primary method, RMS average

*.TST 30915 23 Aug 2016

Rev 9.5 26 Apr 2016

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

RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl /Fltr/Pa d (dB)	DC Factor	Correcte d Reading (dBuV/ m)	Average Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	44.58	Pk	34.4	-18.4		60.58	-	-	74	-13.42	177	101	H
2	* 5.15	47.09	Pk	34.4	-18.4		63.09	-	-	74	-10.91	177	101	H
3	* 5.15	33.88	RMS	34.4	-18.4	0.09	49.978	54	-4.02	-	-	177	101	H
4	* 5.15	34.22	RMS	34.4	-18.4	0.09	50.31	54	-3.69	-	-	177	101	H

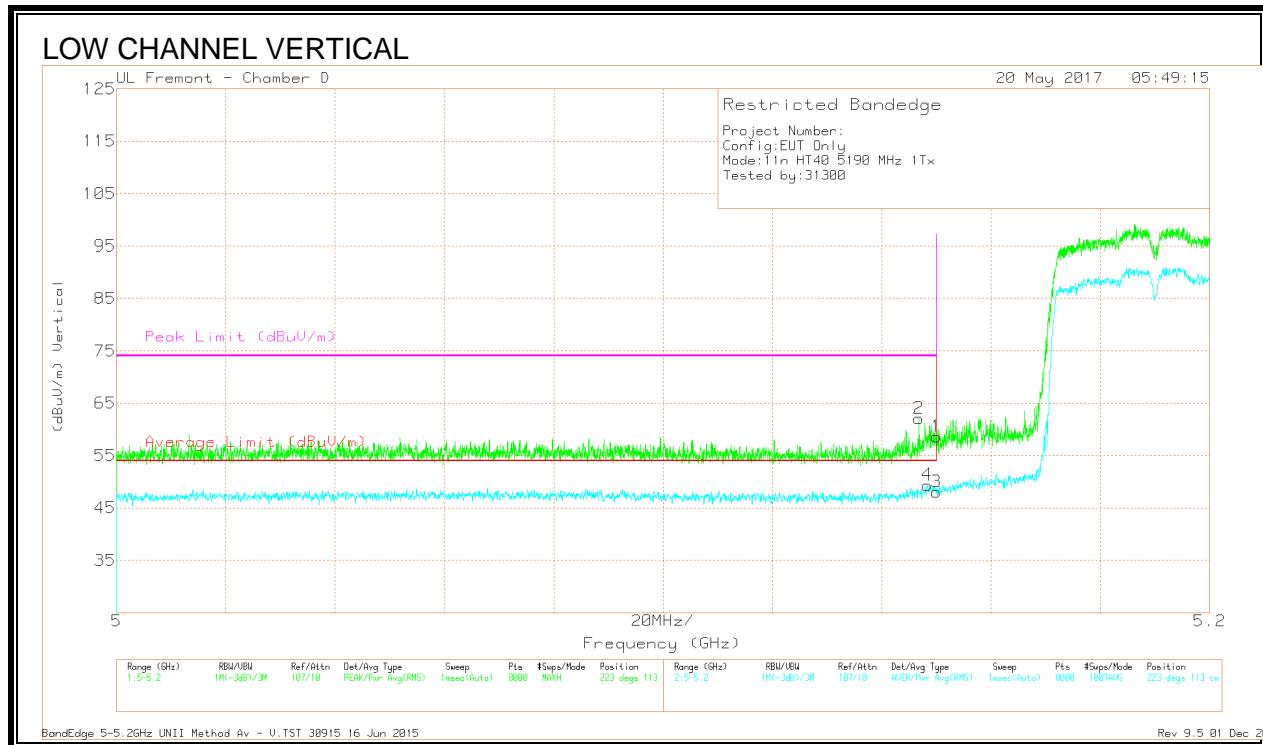
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

*.TST 30915 16 Jun 2015

Rev 9.5 01 Dec 2016



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl /Fltr/Pad (dB)	DC Factor	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.147	46.12	Pk	34.4	-18.4		62.12	-	-	74	-11.88	223	113	V
4	* 5.148	33.36	RMS	34.4	-18.4	0.09	49.45	54	-4.55	-	-	223	113	V
1	* 5.15	42.59	Pk	34.4	-18.4		58.59	-	-	74	-15.41	223	113	V
3	* 5.15	32.1	RMS	34.4	-18.4	0.09	48.19	54	-5.81	-	-	223	113	V

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

Pk - Peak detector

RMS - RMS detection

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

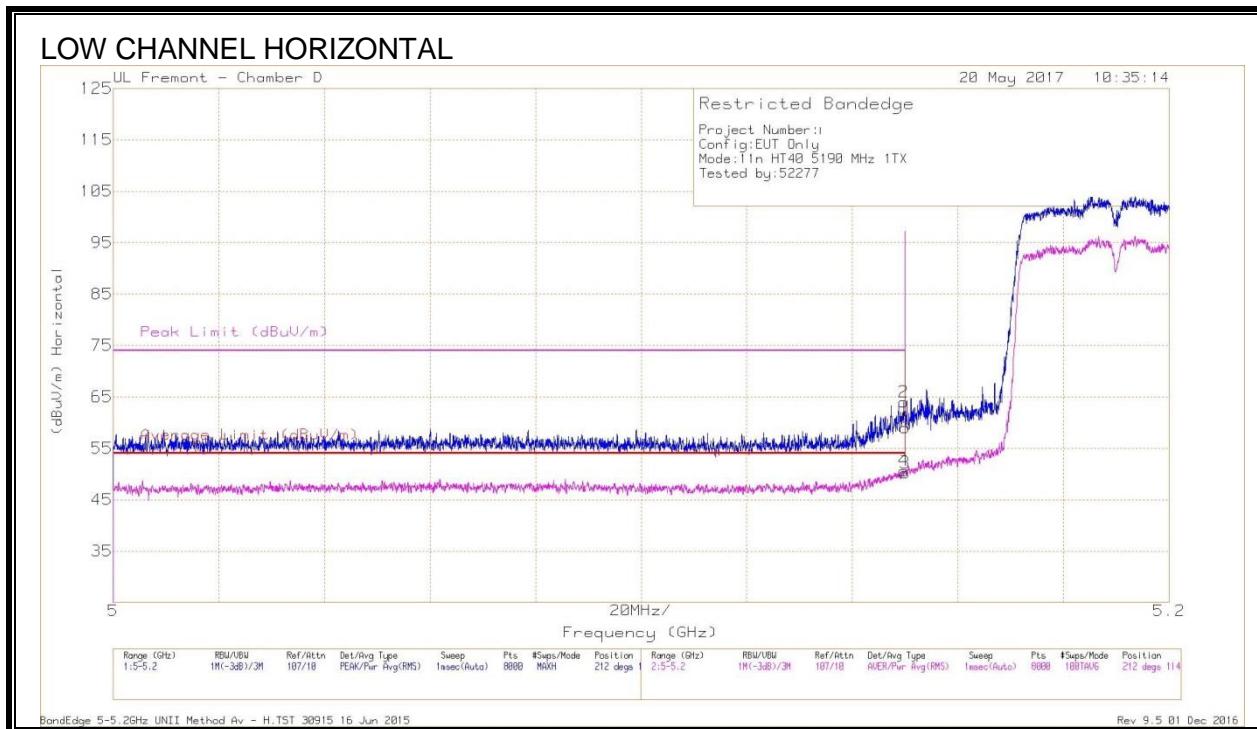
Rev 9.5 01 Dec 2016

HARMONICS AND SPURIOUS EMISSIONS

Noted: Covered by 802.11n HT40 2Tx (UAT 2 + LAT 3) CDD MODE IN THE 5.2 GHz BAND

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

RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl /Fltr/Pad (dB)	DC Factor	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	34.4	-18.4		58.98	-	-	74	-15.02	212	114	H
2	* 5.15	47.99	Pk	34.4	-18.4		63.99	-	-	74	-10.01	212	114	H
3	* 5.15	34.22	RMS	34.4	-18.4	0.09	50.31	54	-3.69	-	-	212	114	H
4	* 5.15	34.63	RMS	34.4	-18.4	0.09	50.72	54	-3.28	-	-	212	114	H

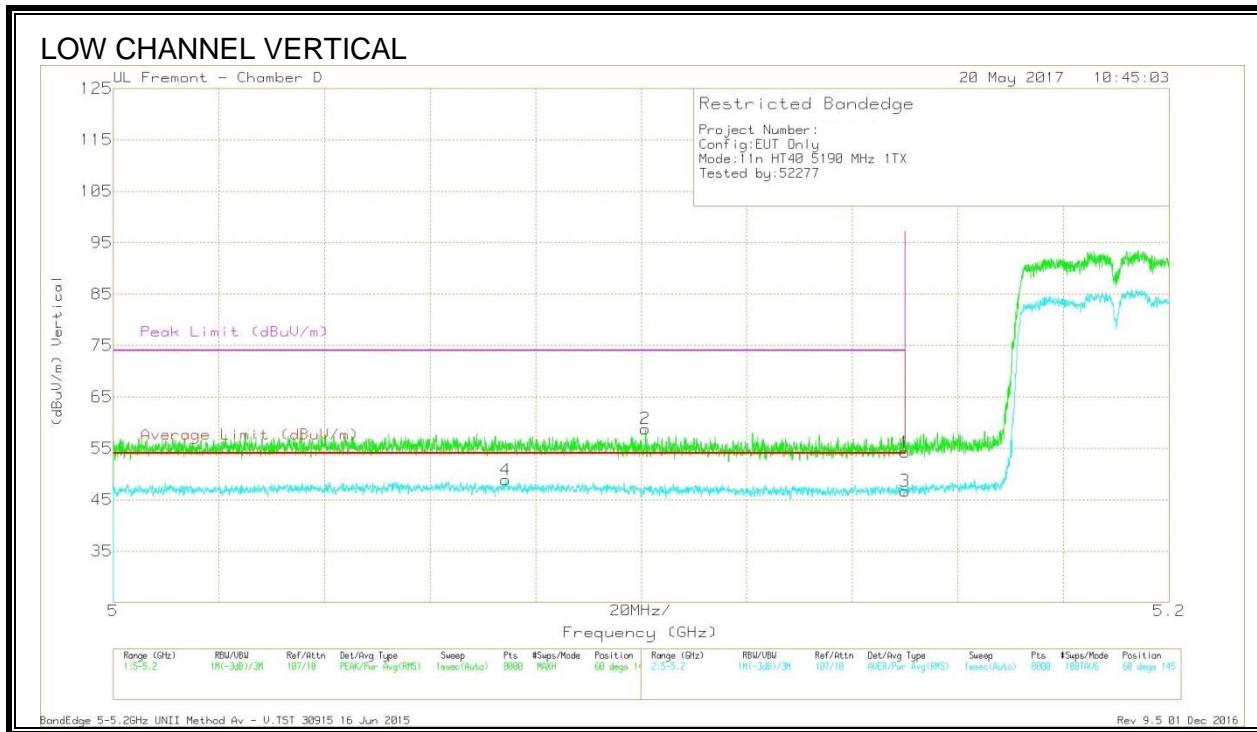
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

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

Rev 9.5 01 Dec 2016



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl /Fltr/Pad (dB)	Dc factor	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	38.21	Pk	34.4	-18.4		54.21	-	-	74	-19.79	60	145	V
2	* 5.101	42.71	Pk	34.4	-18.3		58.81	-	-	74	-15.19	60	145	V
3	* 5.15	30.68	RMS	34.4	-18.4	0.09	46.77	54	-7.23	-	-	60	145	V
4	* 5.074	32.66	RMS	34.3	-18.1	0.09	48.95	54	-5.05	-	-	60	145	V

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

Pk - Peak detector

RMS - RMS detection

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

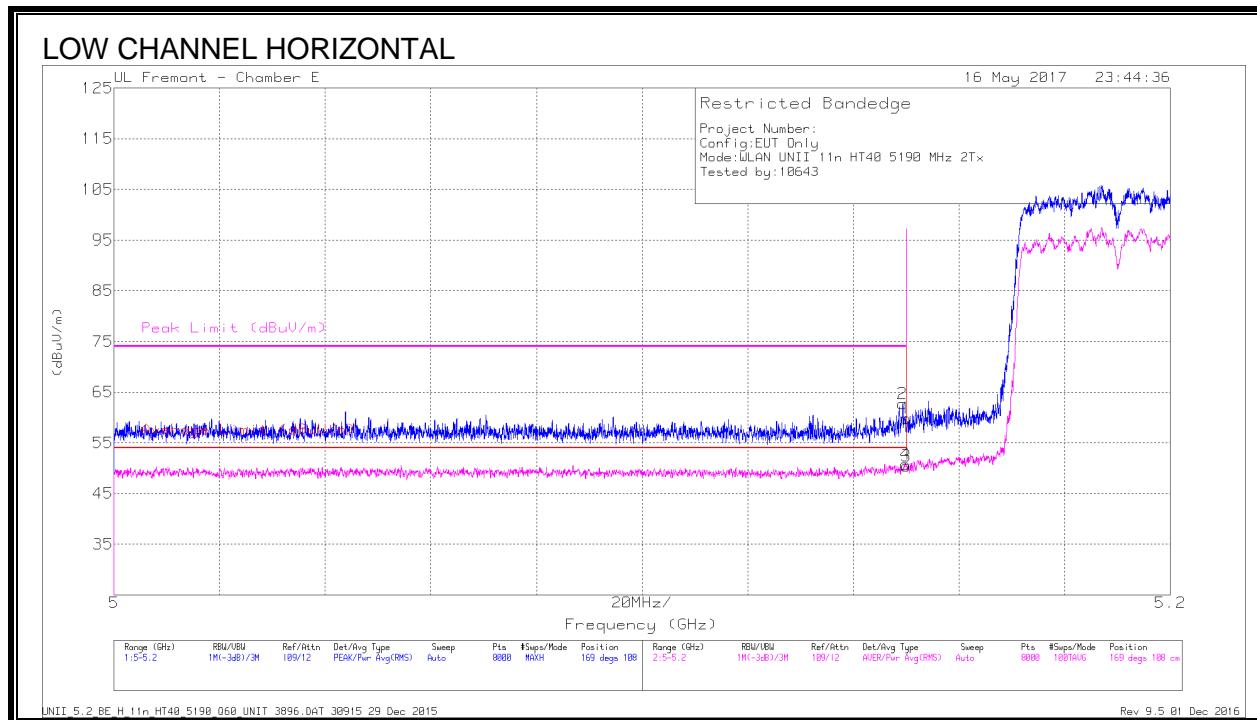
Rev 9.5 01 Dec 2016

HARMONICS AND SPURIOUS EMISSIONS

Noted: Covered by 802.11n HT40 2Tx (UAT 2 + LAT 3) CDD MODE IN THE 5.2 GHz BAND

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

RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T136 (dBm)	Amp/C bl/Fltr/ Pad (dB)	DC Corr (dB)	Corrected Reading (dBm)	Average Limit (dBm)	Margin (dB)	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	43.34	Pk	35.3	-18.8	0	59.84	-	-	74	-14.16	169	108	H
2	* 5.149	46.21	Pk	35.3	-18.8	0	62.71	-	-	74	-11.29	169	108	H
3	* 5.15	33.87	RMS	35.3	-18.8	.09	50.46	54	-3.54	-	-	169	108	H
4	* 5.15	34.32	RMS	35.3	-18.8	.09	50.91	54	-3.09	-	-	169	108	H

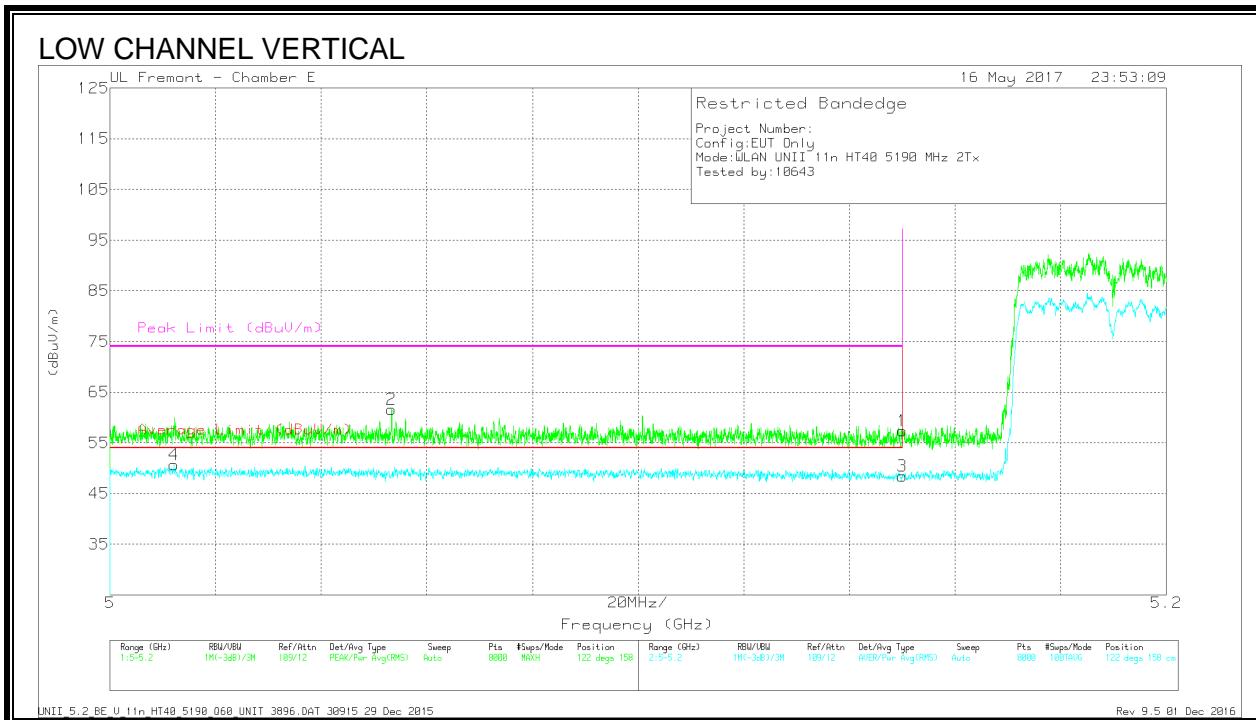
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

UNII_5.2_BE_H_11n_HT40_5190_Q60_UNIT 3896.DAT 30915 29 Dec 2015

Rev 9.5 01 Dec 2016



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/C bl/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	40.9	Pk	35.3	-18.8	0	57.4	-	-	74	-16.6	122	158	V
2	* 5.053	45.02	Pk	35.1	-18.5	0	61.62	-	-	74	-12.38	122	158	V
3	* 5.15	31.95	RMS	35.3	-18.8	.09	48.54	54	-5.46	-	-	122	158	V
4	* 5.012	34.06	RMS	34.9	-18.3	.09	50.75	54	-3.25	-	-	122	158	V

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

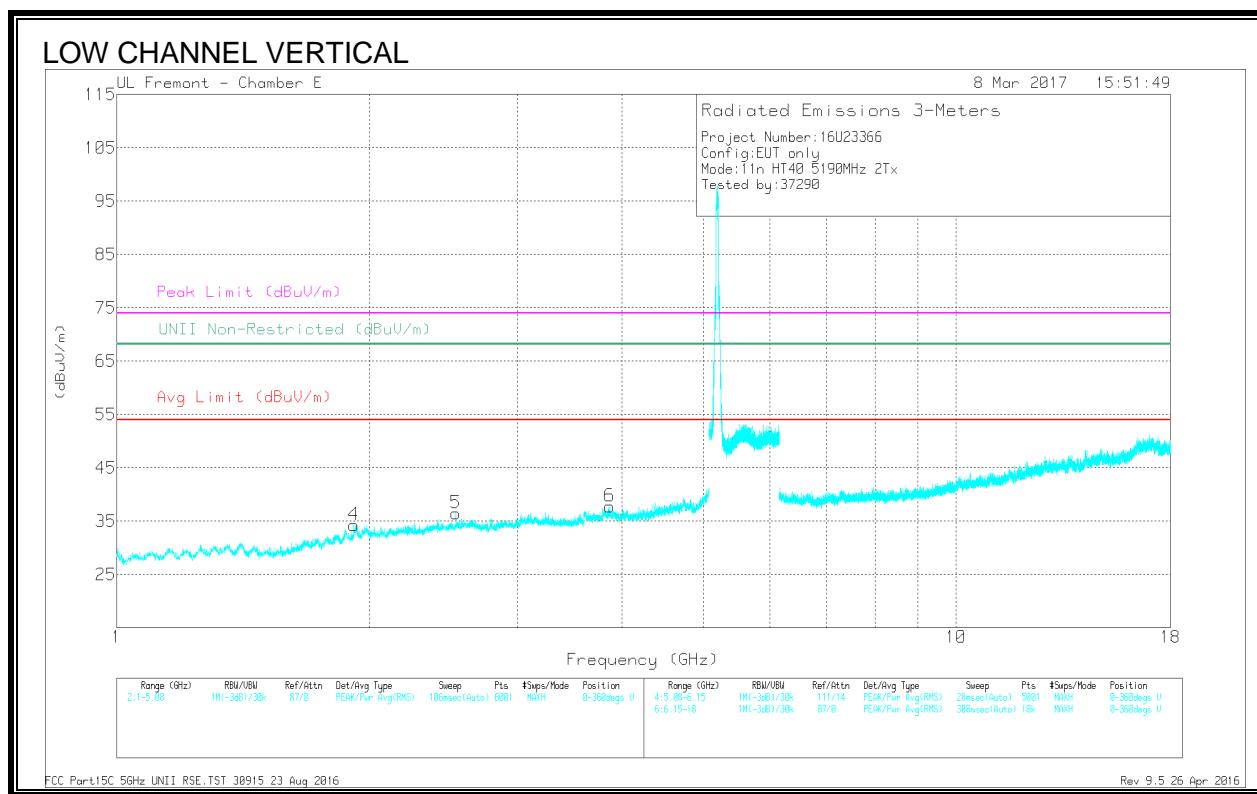
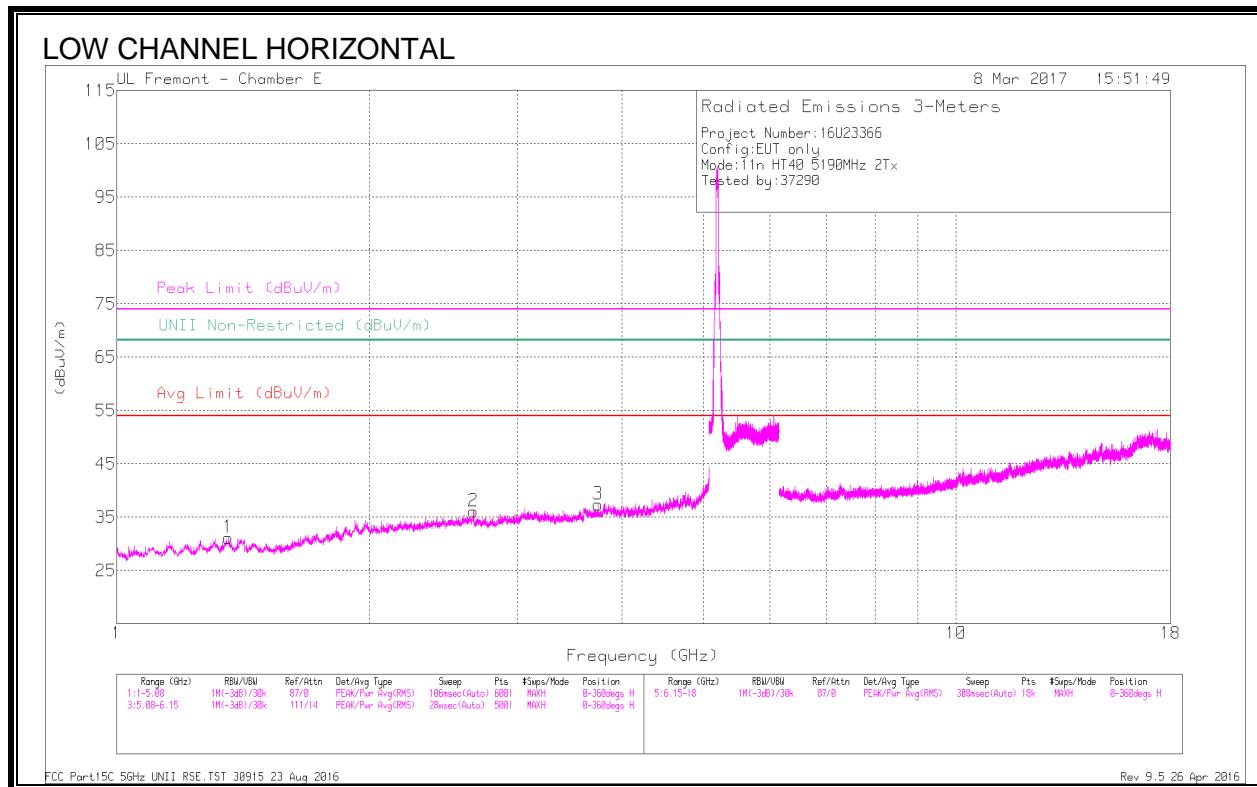
Pk - Peak detector

RMS - RMS detection

UNII_5.2_BE_V_11n_HT40_5190_Q60_UNIT 3896.DAT 30915 29 Dec 2015

Rev 9.5 01 Dec 2016

HARMONICS AND SPURIOUS EMISSIONS



DATA

Marker	Frequency (GHz)	Meterr Readings (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filt r/Pad (dB)	DC Factor	Corrected Readings (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	* 1.356	44.46	PK-U	28.7	-34.8		38.36	-	-	74	-35.64	-	-	0	100	H
	* 1.356	33.61	ADR	28.7	-34.7	0.09	27.70	54	-26.30	-	-	-	-	0	100	H
2	* 2.66	41.49	PK-U	32.4	-31.5		42.39	-	-	74	-31.61	-	-	0	100	H
	* 2.661	30.53	ADR	32.4	-31.5	0.09	31.52	54	-22.48	-	-	-	-	0	100	H
3	* 3.744	41.32	PK-U	33.4	-31.3		43.42	-	-	74	-30.58	-	-	0	100	H
	* 3.746	30.66	ADR	33.4	-31.3	0.09	32.85	54	-21.15	-	-	-	-	0	100	H
6	* 3.867	40.19	PK-U	33.4	-29.7		43.89	-	-	74	-30.11	-	-	0	200	V
	* 3.867	30.31	ADR	33.4	-29.7	0.09	34.10	54	-19.90	-	-	-	-	0	200	V
4	1.917	42.63	PK-U	31	-33		40.63	-	-	-	-	68.2	-27.57	0	100	V
5	2.534	42.07	PK-U	32.6	-32.9		41.77	-	-	-	-	68.2	-26.43	0	200	V

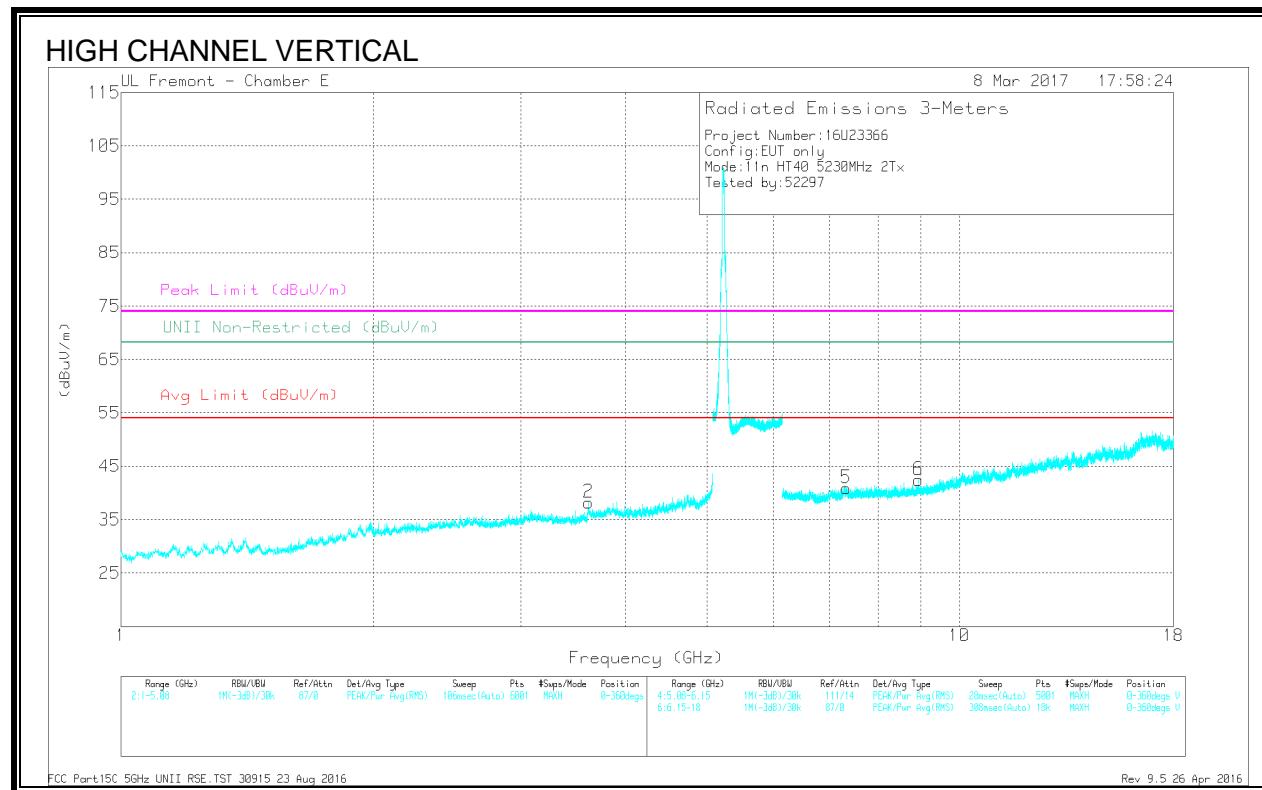
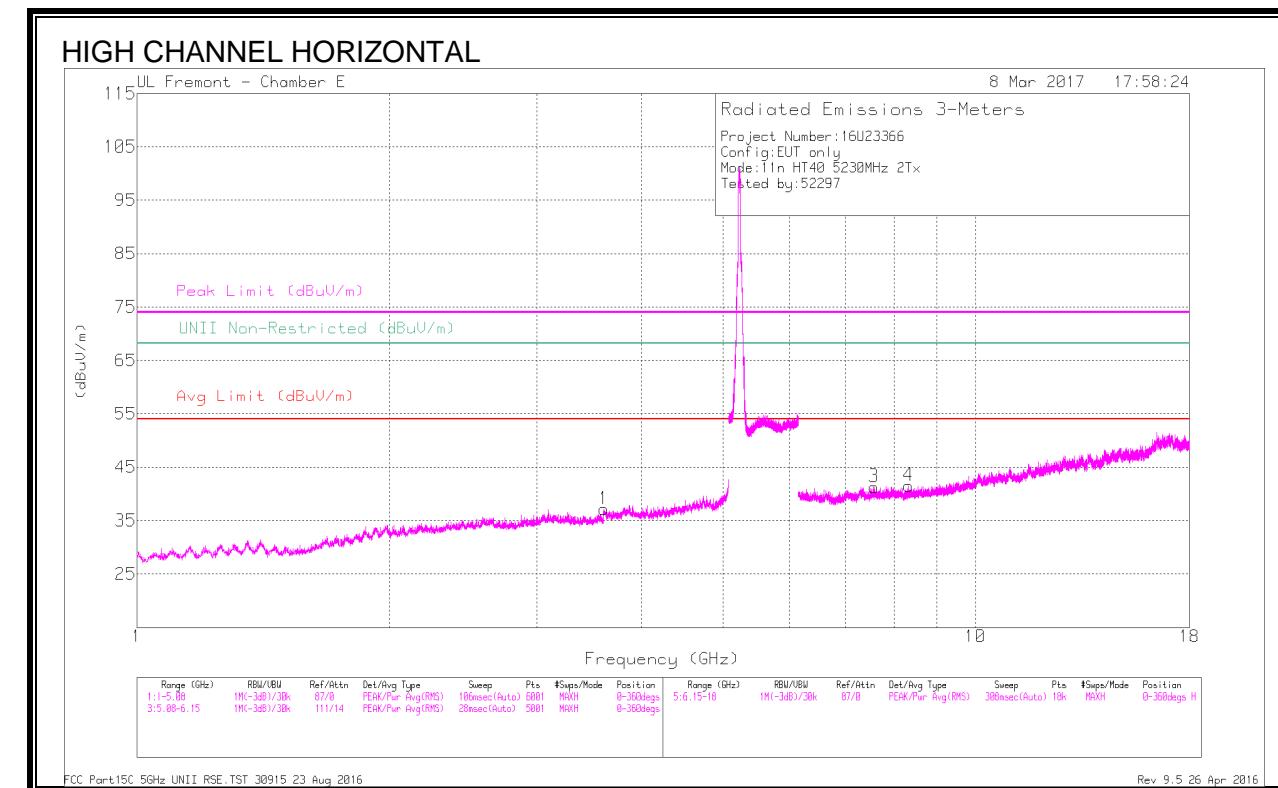
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

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

Rev 9.5 26 Apr 2016



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp /Cbl/ Fltr/ Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV /m)	Avg Limit (dBuV /m)	Margin (dB)	Peak Limit (dBuV /m)	PK Margin (dB)	UNII Non-Restricted (dBuV /m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.606	41.33	PK-U	32.9	-30.5	0	43.73	-	-	74	-30.27	-	-	243	123	H
	* 3.604	30.38	ADR	32.9	-30.5	.09	32.88	54	-21.12	-	-	-	-	243	123	H
2	* 3.609	40.35	PK-U	32.9	-30.6	0	42.65	-	-	74	-31.35	-	-	304	167	V
	* 3.611	30.48	ADR	32.9	-30.5	.09	32.98	54	-21.02	-	-	-	-	304	167	V
3	* 7.575	37.61	PK-U	36.1	-26.4	0	47.31	-	-	74	-26.69	-	-	163	265	H
	* 7.575	27.42	ADR	36.1	-26.4	.09	37.22	54	-16.78	-	-	-	-	163	265	H
4	* 8.323	38.63	PK-U	36.1	-26.9	0	47.83	-	-	74	-26.17	-	-	190	207	H
	* 8.322	28.06	ADR	36.1	-26.9	.09	37.36	54	-16.64	-	-	-	-	190	207	H
5	* 7.332	38.28	PK-U	35.9	-26.6	0	47.58	-	-	74	-26.42	-	-	56	234	V
	* 7.332	28	ADR	35.9	-26.6	.09	37.4	54	-16.6	-	-	-	-	56	234	V
6	8.927	37.3	PK-U	36.2	-26.1	0	47.4	-	-	-	-	68.2	-20.8	100	313	V

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

PK-U - U-NII: Maximum Peak

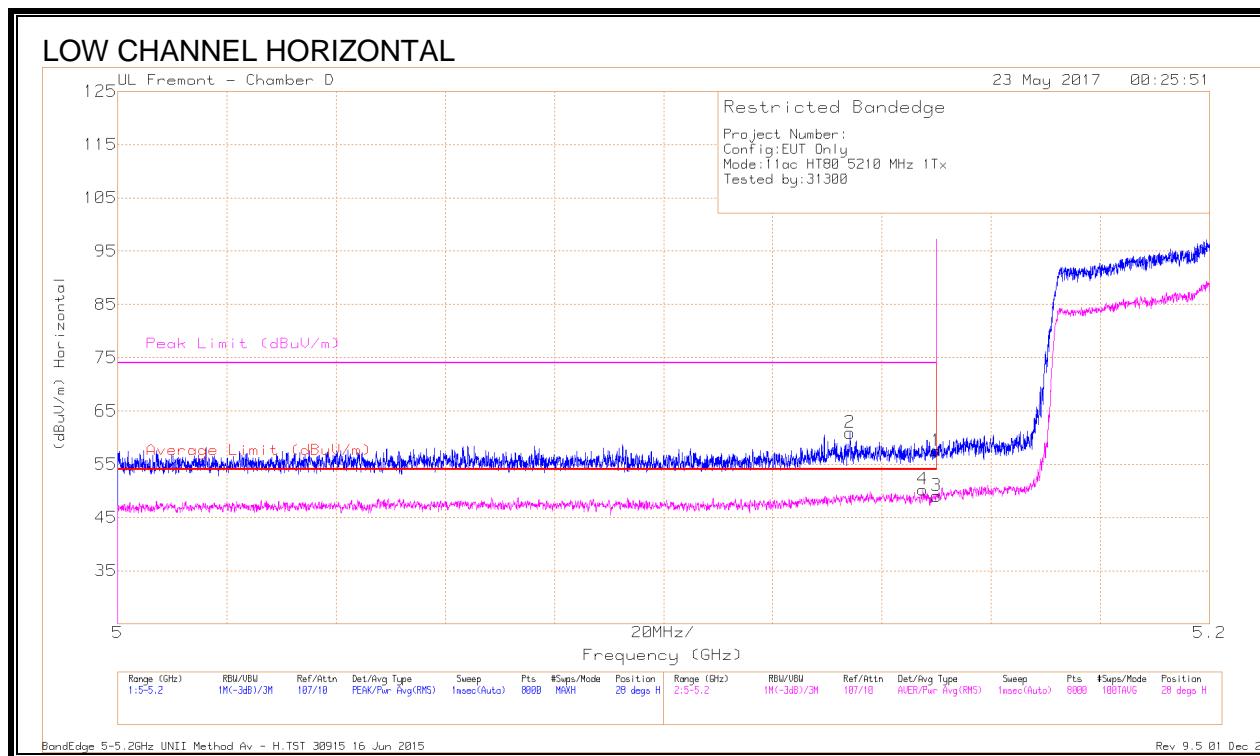
ADR - U-NII AD primary method, RMS average

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

Rev 9.5 26 Apr 2016

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

RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl /Fltr/Pad (dB)	Dc Factor	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.134	44.91	Pk	34.4	-18.4		60.91	-	-	74	-13.09	28	103	H
4	* 5.147	34.26	RMS	34.4	-18.4	0.19	50.45	54	-3.55	-	-	28	103	H
1	* 5.15	41.51	Pk	34.4	-18.4		57.51	-	-	74	-16.49	28	103	H
3	* 5.15	33.06	RMS	34.4	-18.4	0.19	49.25	54	-4.75	-	-	28	103	H

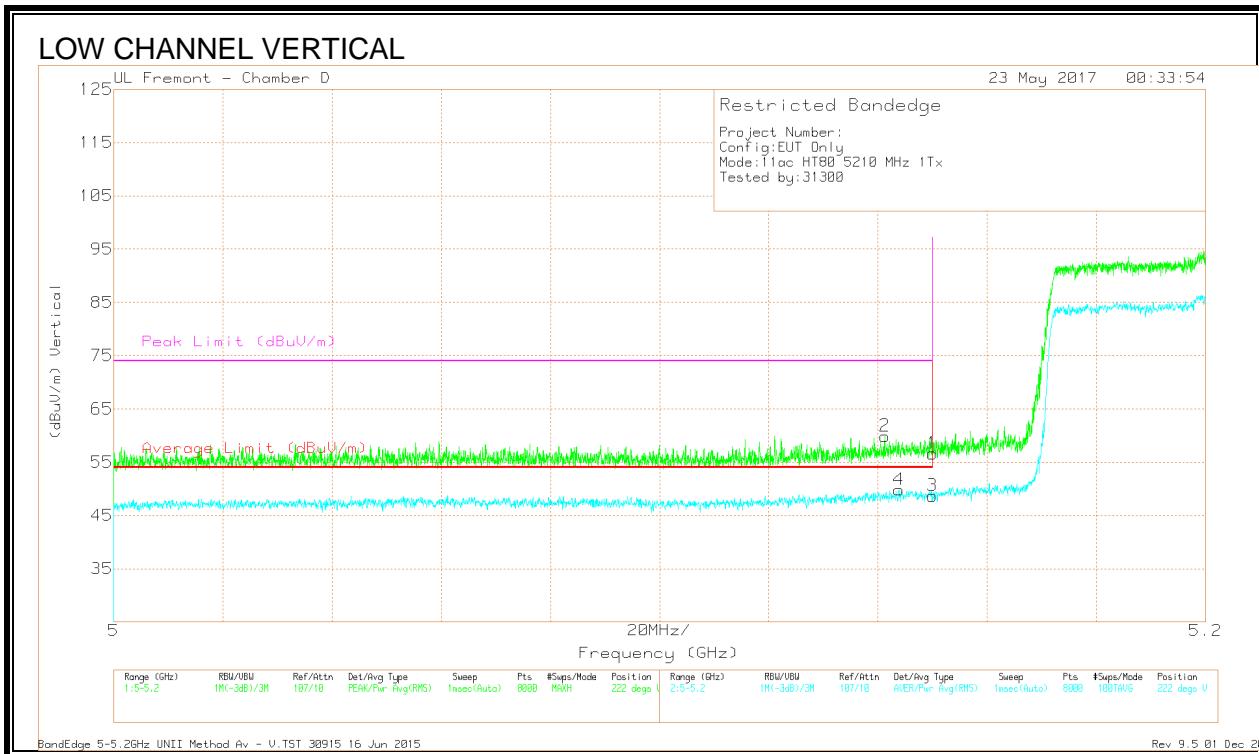
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

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

Rev 9.5 01 Dec 2016



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl /Fltr/Pad (dB)	DC factor	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.141	43.89	PK	34.4	-18.4		59.89	-	-	74	-14.11	222	356	V
4	* 5.144	33.83	RMS	34.4	-18.4	0.19	50.02	54	-3.98	-	-	222	356	V
1	* 5.15	40.63	PK	34.4	-18.4		56.63	-	-	74	-17.37	222	356	V
3	* 5.15	32.7	RMS	34.4	-18.4	0.19	48.89	54	-5.11	-	-	222	356	V

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

PK - Peak detector

RMS - RMS detection

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

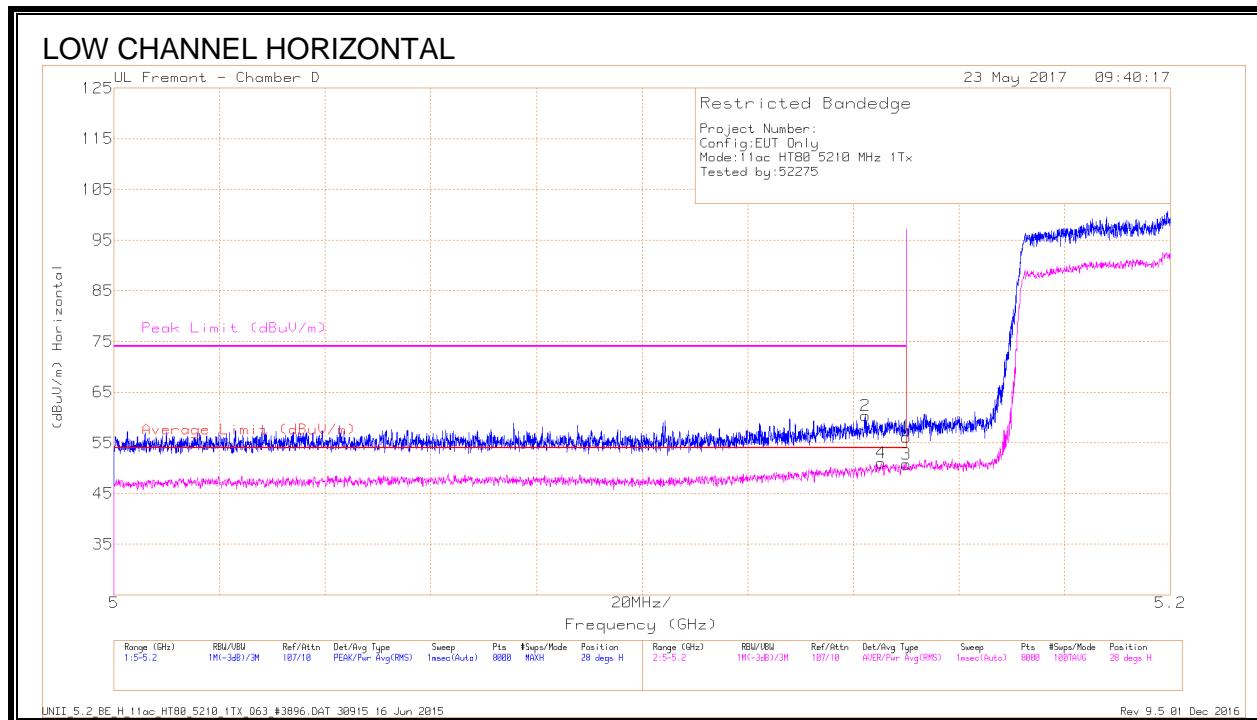
Rev 9.5 01 Dec 2016

HARMONICS AND SPURIOUS EMISSIONS

Noted: Covered by 802.11n VHT80 2Tx (UAT 2 + LAT 3) CDD MODE IN THE 5.2 GHz BAND

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

RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequenc y (GHz)	Meter Reading (dBmV)	Det	AFT120 (dB/m)	Amp/Cbl /Fltr/Pad (dB)	DC Factor	Correcte d Reading (dBmV/m)	Average Limit (dBmV/m)	Margin	Peak Limit (dBmV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	40.15	Pk	34.4	-18.4		56.15	-	-	74	-17.85	28	107	H
2	* 5.142	44.33	Pk	34.4	-18.4		60.33	-	-	74	-13.67	28	107	H
3	* 5.15	34.83	RMS	34.4	-18.4	0.19	51.02	54	-2.99	-	-	28	107	H
4	* 5.145	35	RMS	34.4	-18.4	0.19	51.19	54	-2.81	-	-	28	107	H

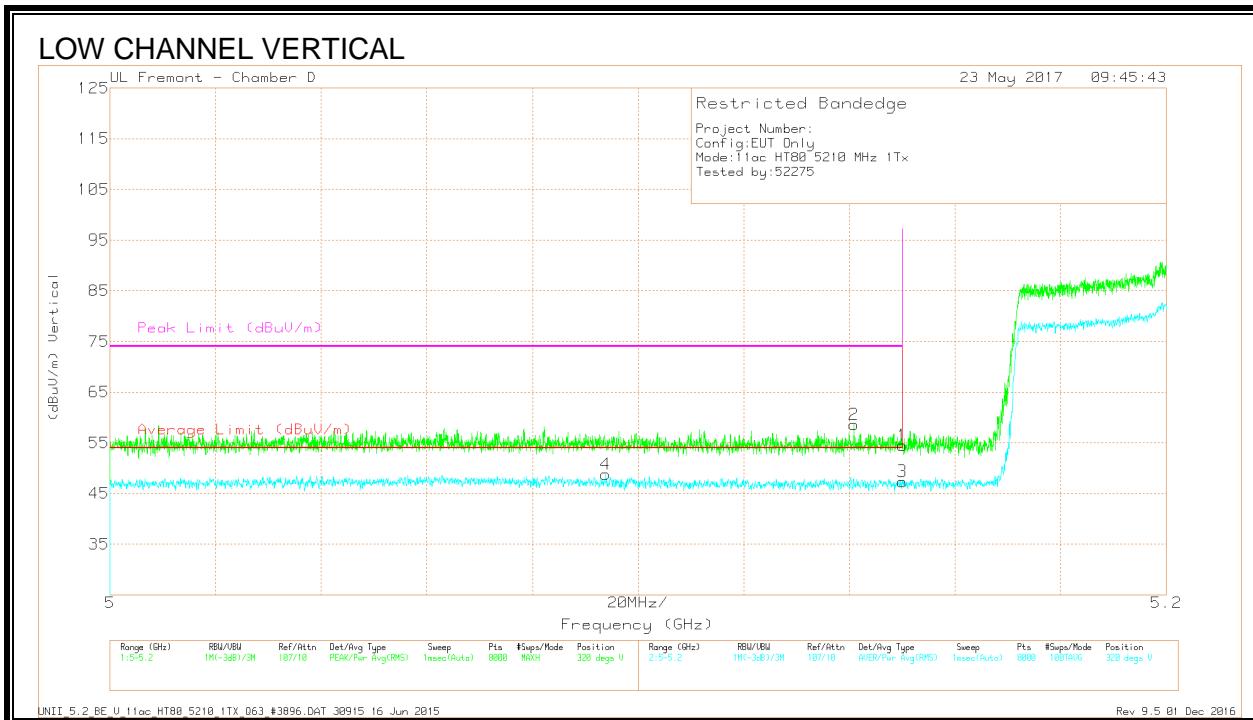
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

UNII_5.2_BE_H_11ac-HT80_5210_1TX_Q63_#3896.DAT 30915 16 Jun 2015

Rev 9.5 01 Dec 2016



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/C bl/Fltr/ Pad (dB)	DC Factor	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	38.47	Pk	34.4	-18.4		54.47	-	-	74	-19.53	320	102	V
2	* 5.141	42.62	Pk	34.4	-18.4		58.62	-	-	74	-15.38	320	102	V
3	* 5.15	31.37	RMS	34.4	-18.4	0.19	47.56	54	-6.44	-	-	320	102	V
4	* 5.094	32.66	RMS	34.3	-18.2	0.19	48.95	54	-5.05	-	-	320	102	V

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

Pk - Peak detector

RMS - RMS detection

UNII_5.2_BE_V_11ac-HT80_5210_1TX_Q63_#3896.DAT 30915 16 Jun 2015

Rev 9.5 01 Dec 2016

HARMONICS AND SPURIOUS EMISSIONS

Noted: Covered by 802.11n VHT80 2Tx (UAT 2 + LAT 3) CDD MODE IN THE 5.2 GHz BAND