

8.44. 802.11n HT20 ANTENNA B MODE IN THE 5.8 GHz BAND

8.44.1. 6 dB BANDWIDTH

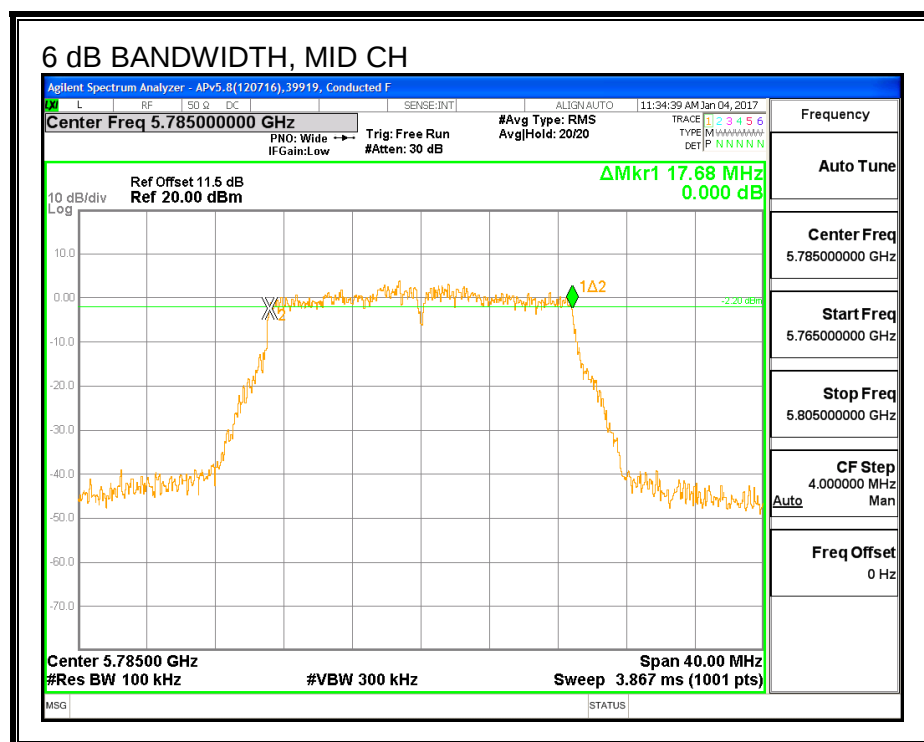
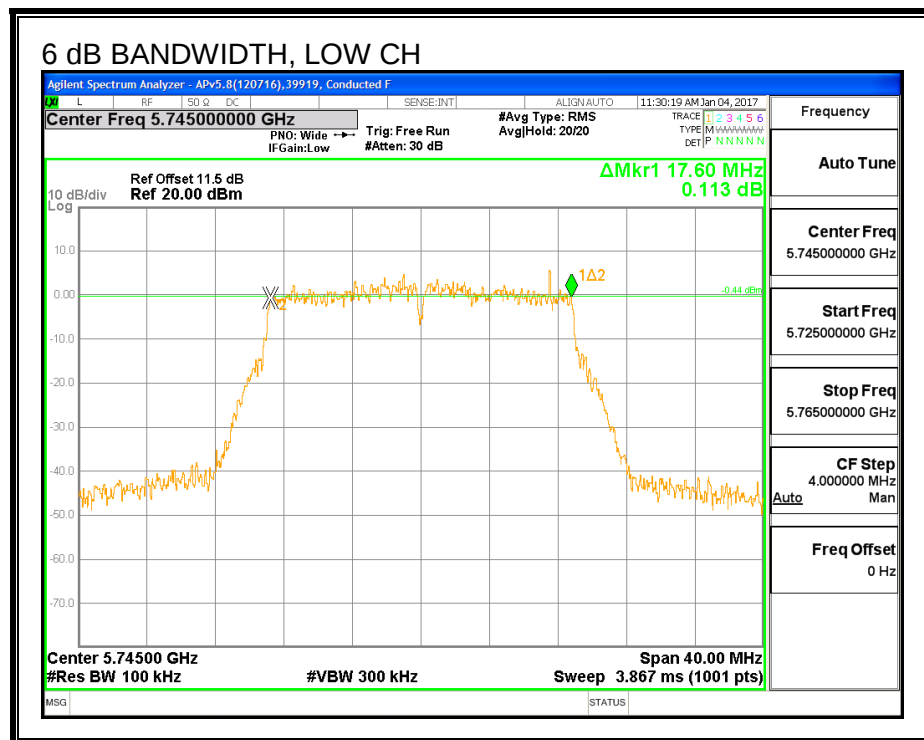
LIMITS

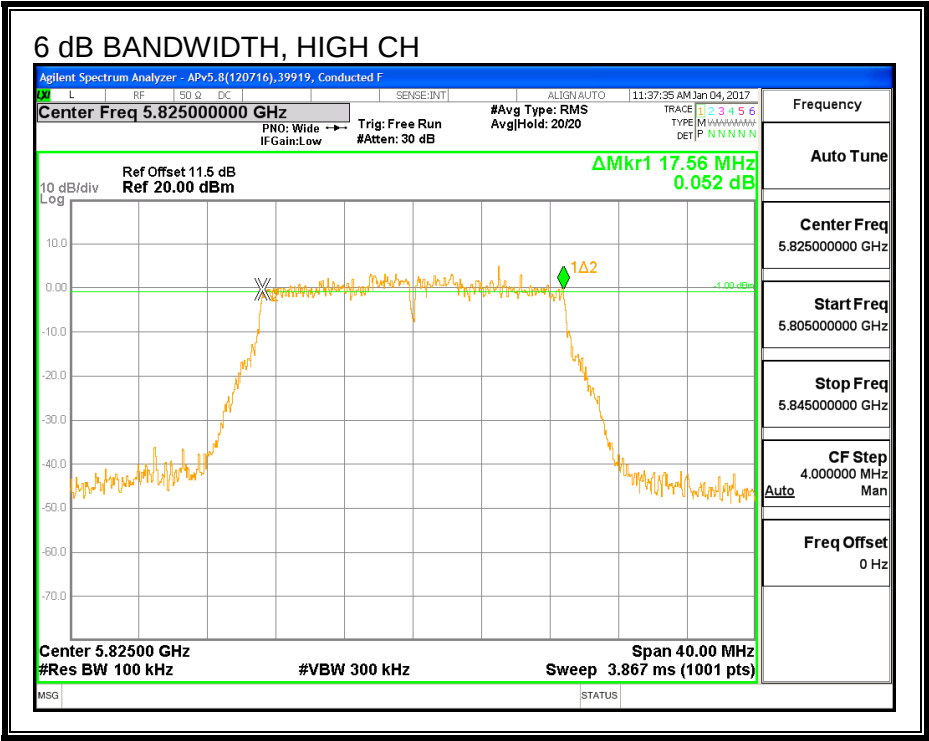
FCC §15.407 (e)

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

RESULTS

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5745	17.60	0.5
Mid	5785	17.68	0.5
High	5825	17.56	0.5





8.44.2. 26 dB BANDWIDTH

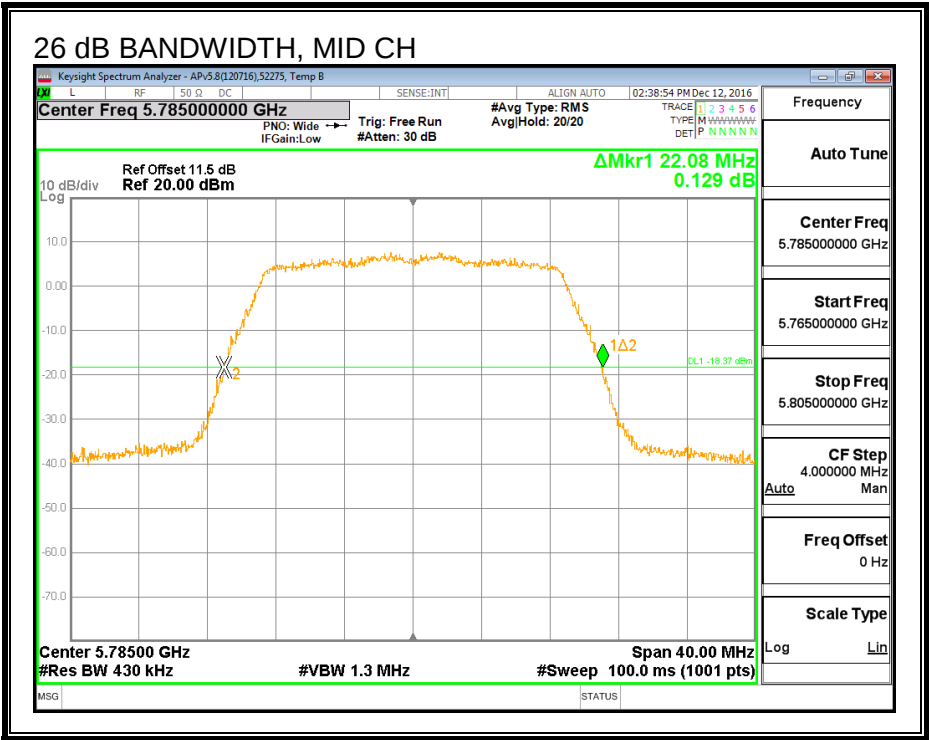
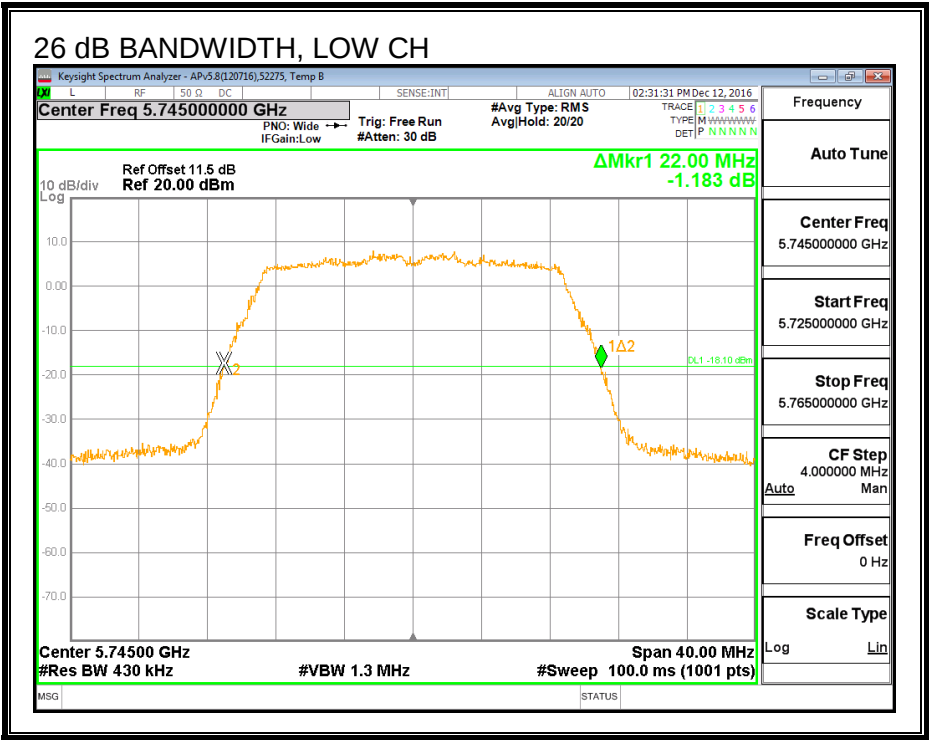
LIMITS

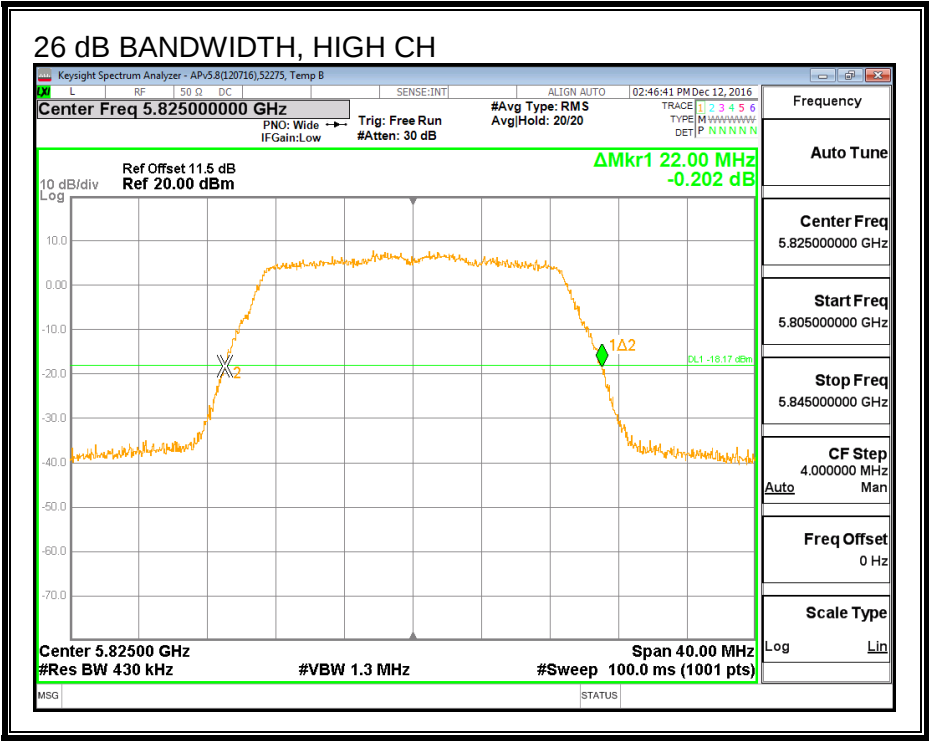
None, for reporting purposes only

RESULTS

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Low	5745	22.00
Mid	5785	22.08
High	5825	22.00

26 dB BANDWIDTH





8.44.3. 99% BANDWIDTH

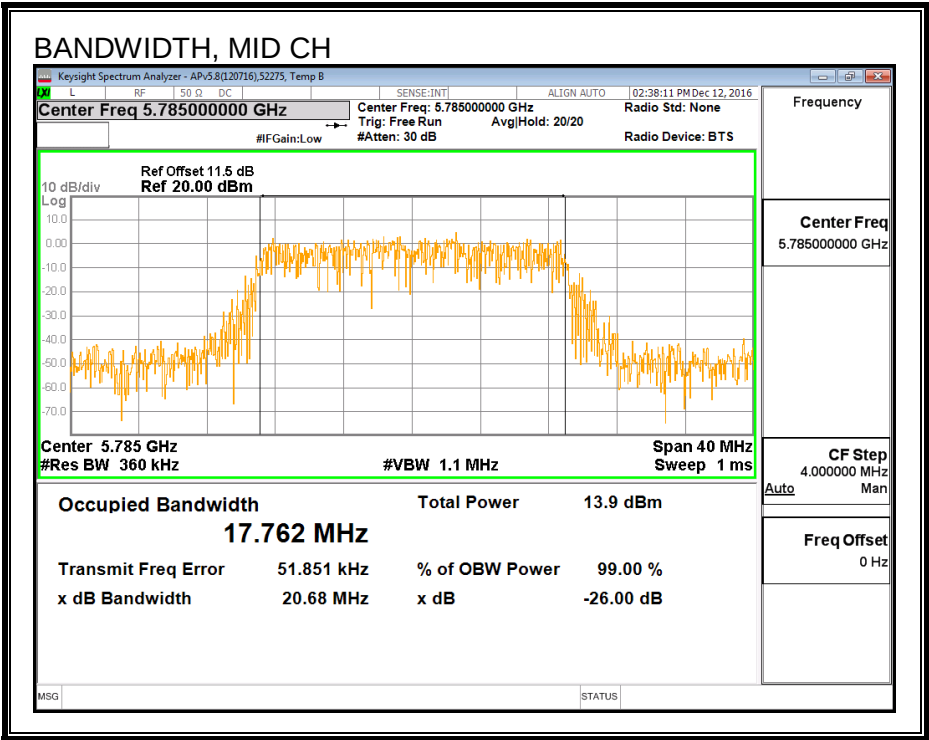
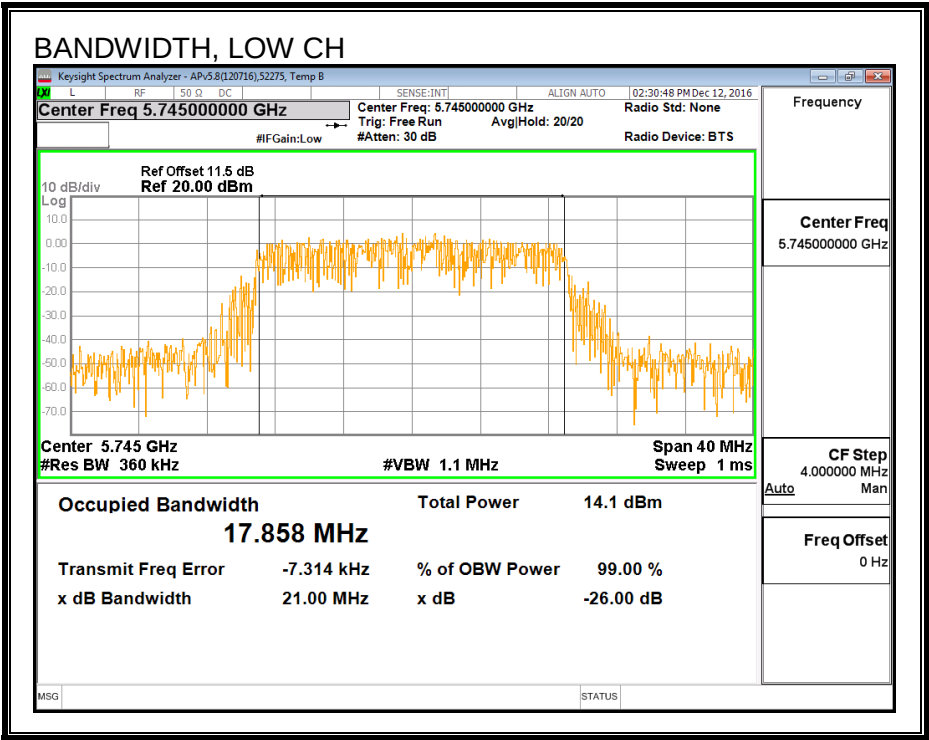
LIMITS

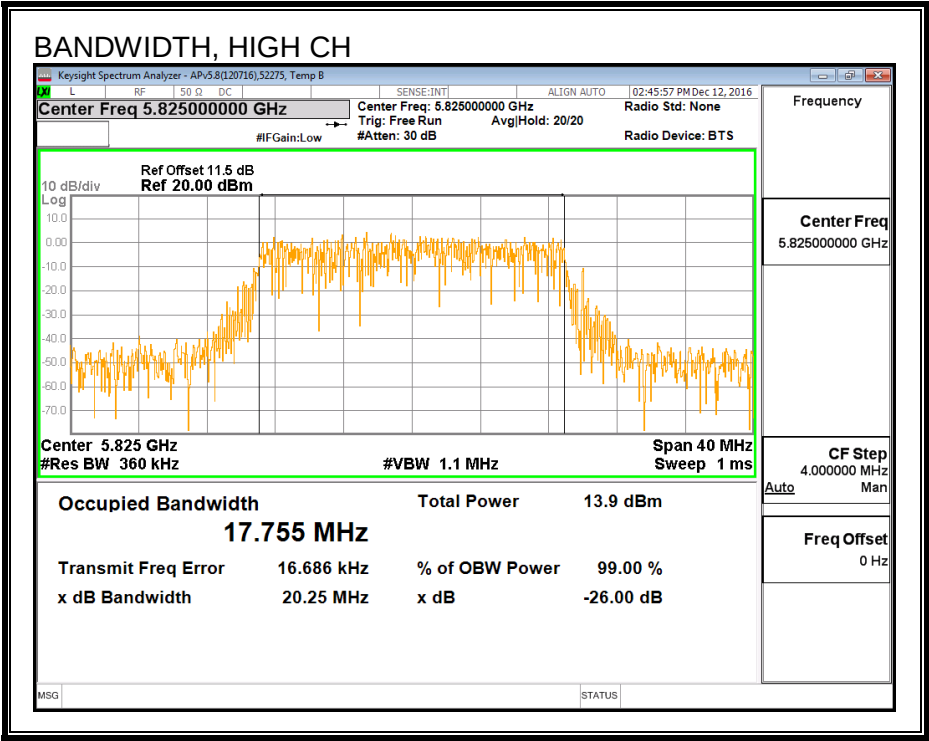
None; for reporting purposes only.

RESULTS

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5745	17.858
Mid	5785	17.762
High	5825	17.755

99% BANDWIDTH





8.44.4. AVERAGE POWER

LIMITS

None; for reporting purposes only.

TEST PROCEDURE

Measurements perform using a wideband gated RF power meter.

RESULTS

ID:	43578	Date:	1/21/17
------------	-------	--------------	---------

Channel	Frequency (MHz)	Power (dBm)
Low	5745	14.88
Mid	5785	14.92
High	5825	14.97

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

ID:	43578	Date:	1/21/17
------------	-------	--------------	---------

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)
Low	5745	3.18	30.00
Mid	5785	3.18	30.00
High	5825	3.18	30.00

Output Power Results

Channel	Frequency (MHz)	Ant B Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	14.88	14.88	30.00	-15.12
Mid	5785	14.92	14.92	30.00	-15.08
High	5825	14.97	14.97	30.00	-15.03

8.44.6. PSD

LIMITS

FCC §15.407 (a) (3)

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

DIRECTIONAL ANTENNA GAIN

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

RESULTS

Antenna Gain and Limits

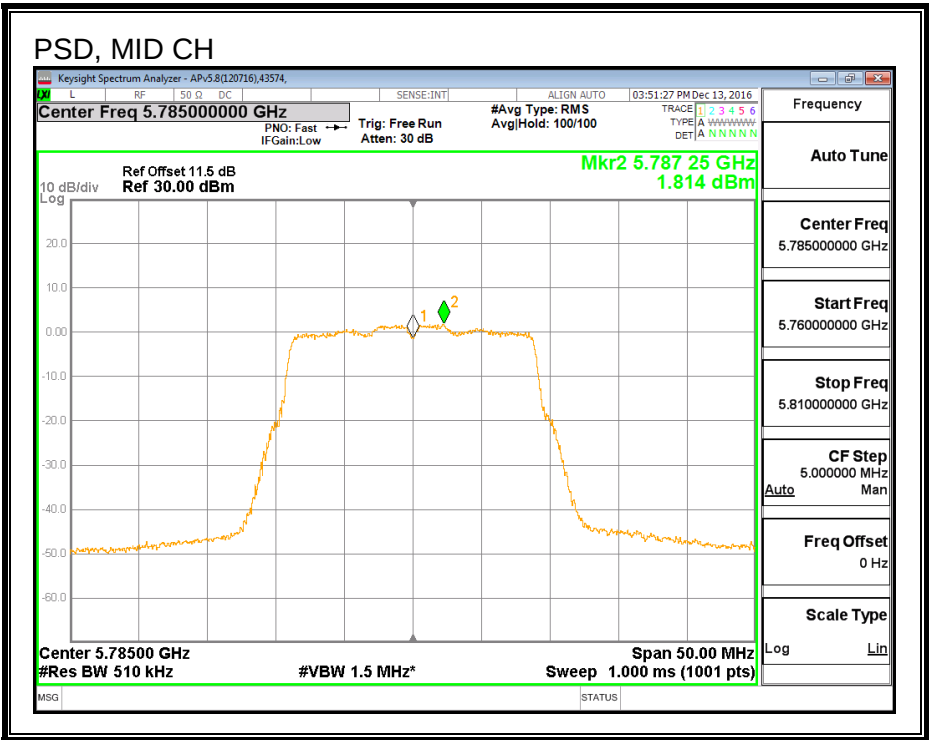
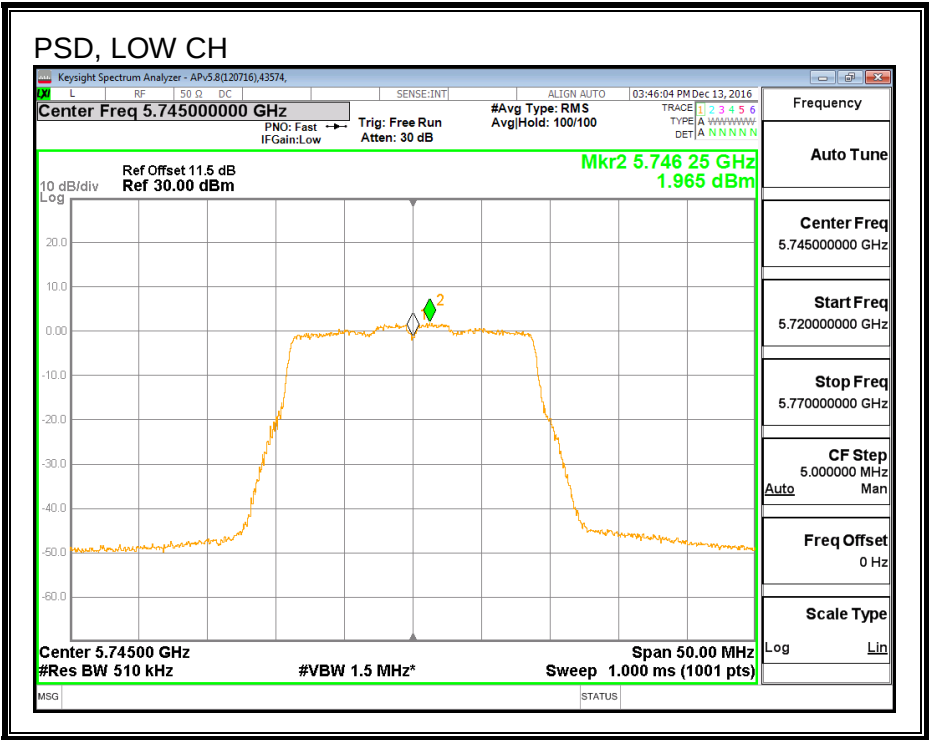
Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm)
Low	5745	3.18	30.00
Mid	5785	3.18	30.00
High	5825	3.18	30.00

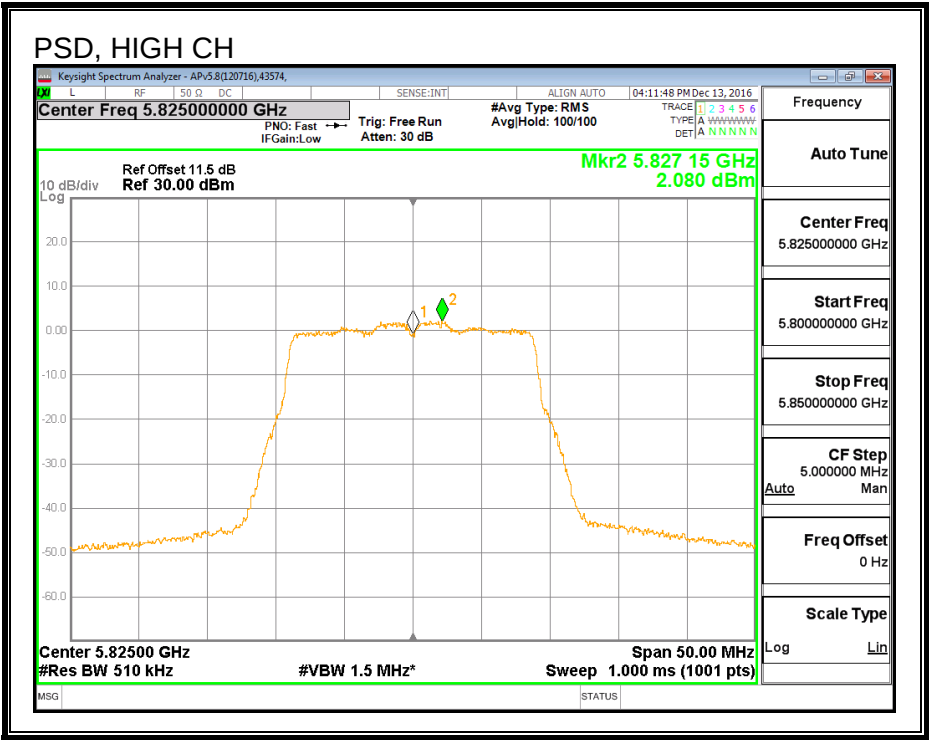
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
--------------------	------	--

PSD Results

Channel	Frequency (MHz)	Ant B Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Low	5745	1.97	1.97	30.00	-28.04
Mid	5785	1.81	1.81	30.00	-28.19
High	5825	2.08	2.08	30.00	-27.92

PSD





8.45. 802.11n HT20 2Tx (ANTENNA A + ANTENNA B) CDD MODE IN THE 5.8 GHz BAND

8.45.1. 6 dB BANDWIDTH

LIMITS

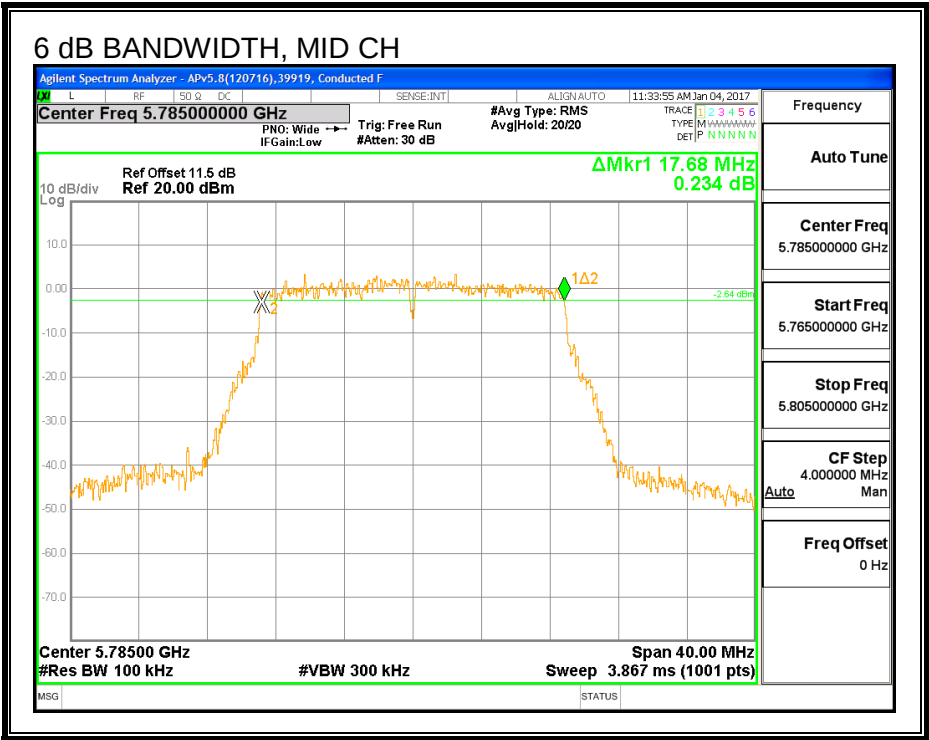
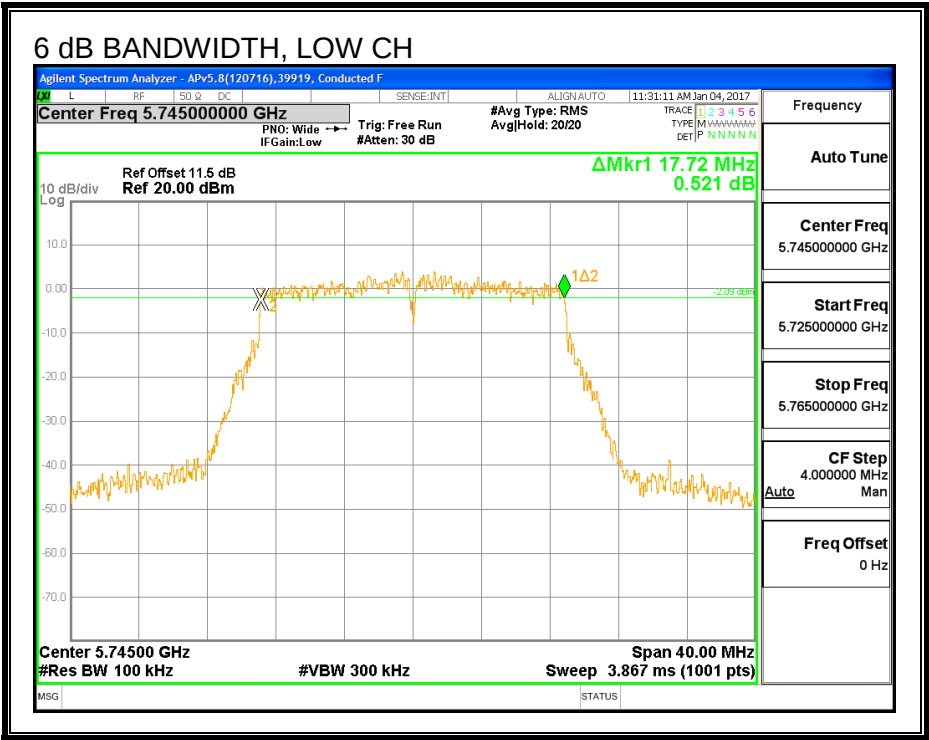
FCC §15.407 (e)

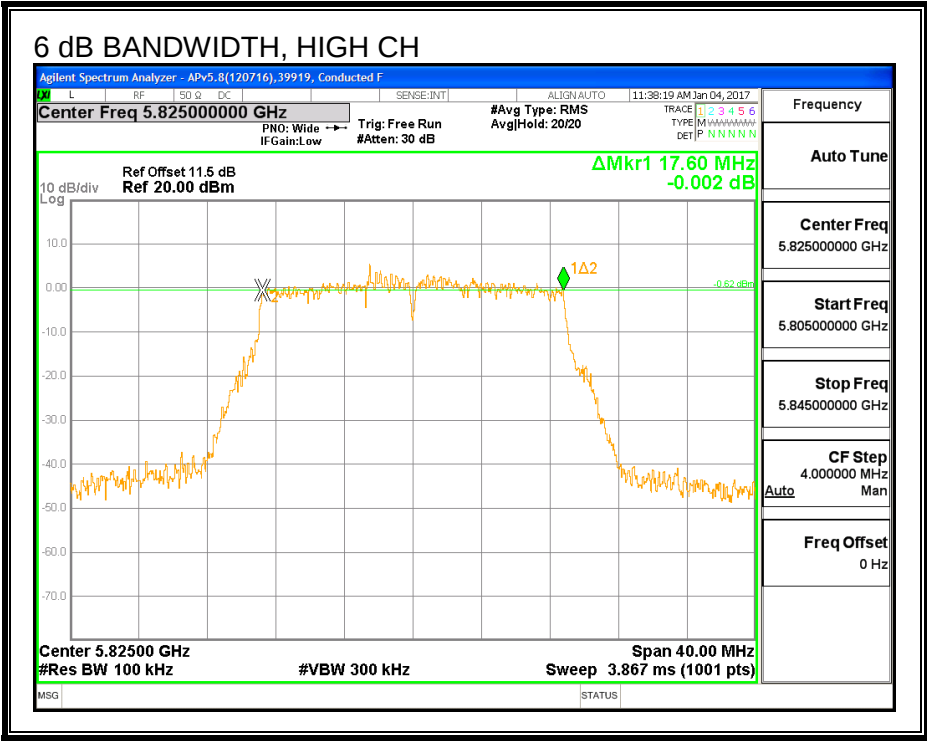
The minimum 6 dB bandwidth shall be at least 500 kHz.

RESULTS

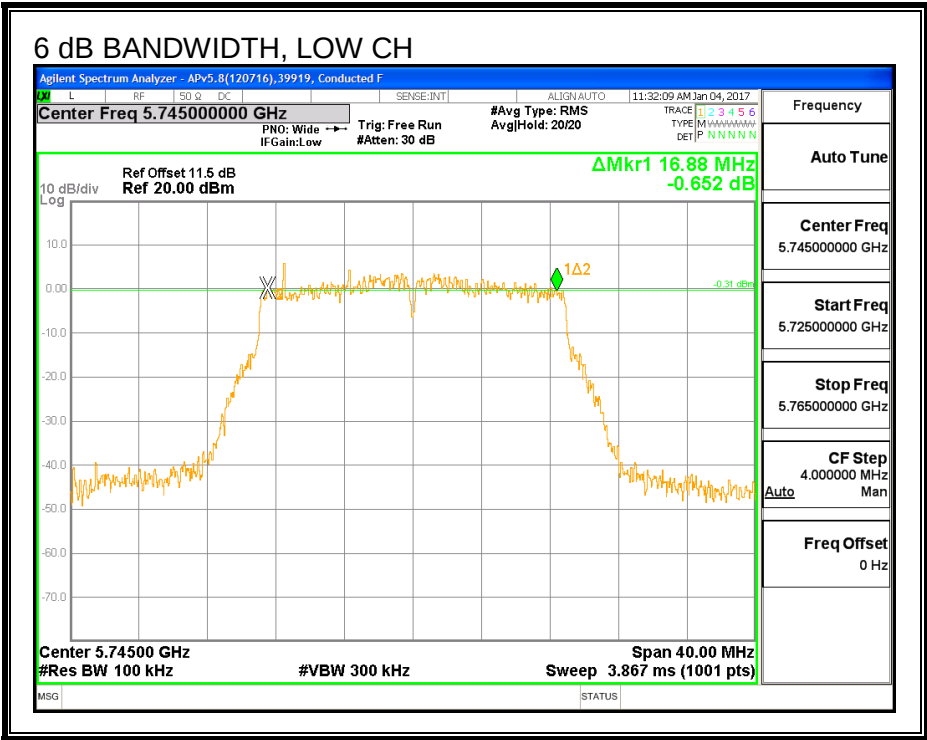
Channel	Frequency (MHz)	6 dB BW Ant A (MHz)	6 dB BW Ant B (MHz)	Minimum Limit (MHz)
Low	5745	17.72	16.88	0.5
Mid	5785	17.68	17.08	0.5
High	5825	17.60	17.76	0.5

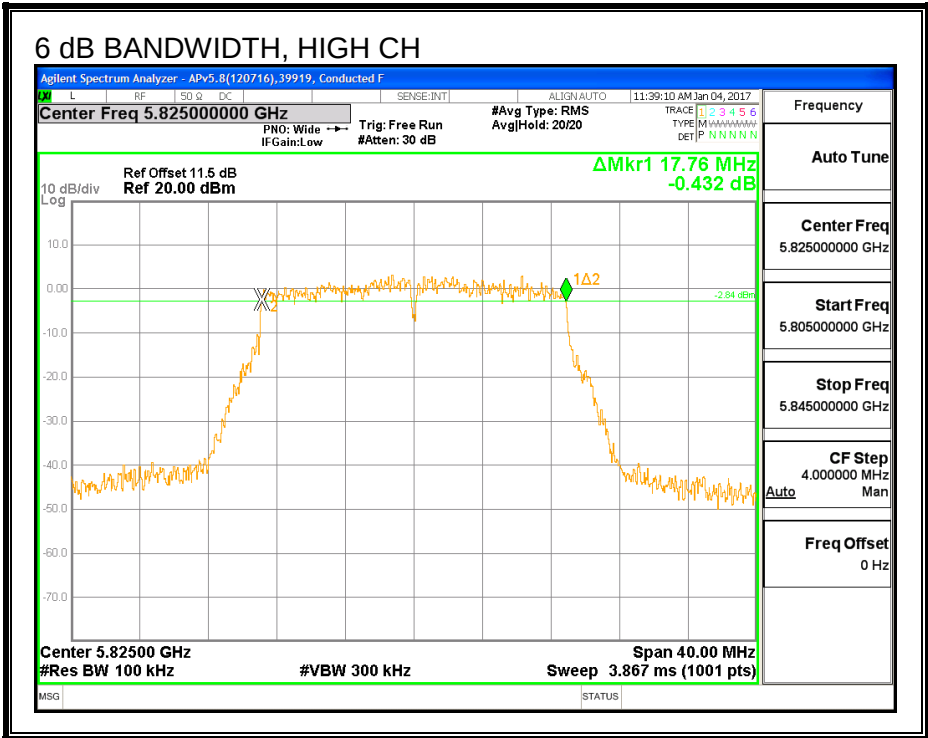
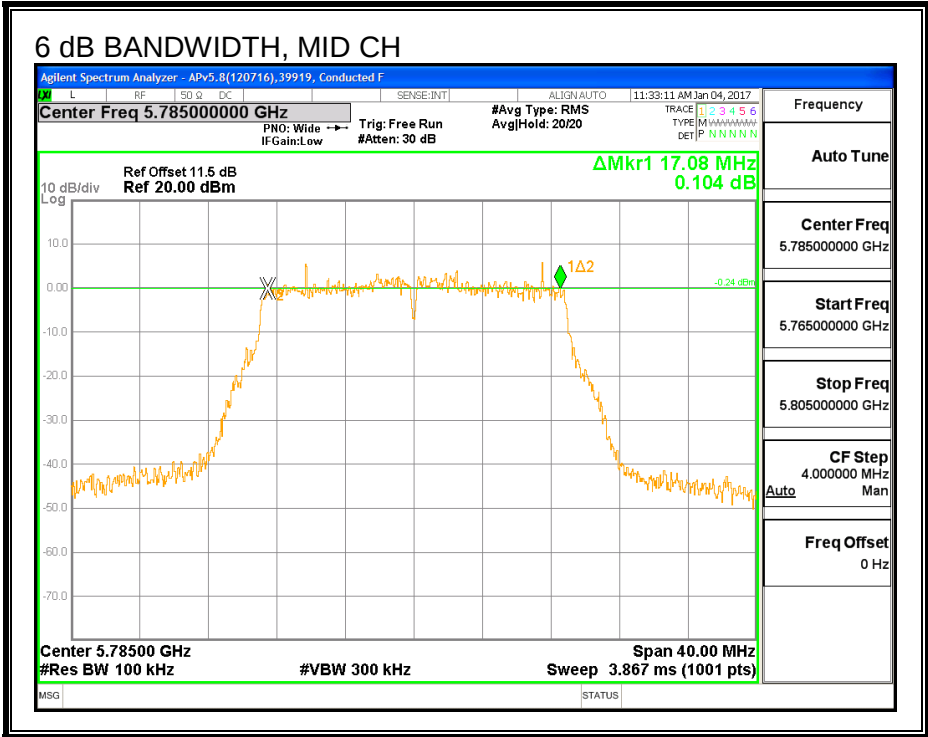
6 dB BANDWIDTH, ANTENNA A





6 dB BANDWIDTH, ANTENNA B





8.45.2. 26 dB BANDWIDTH

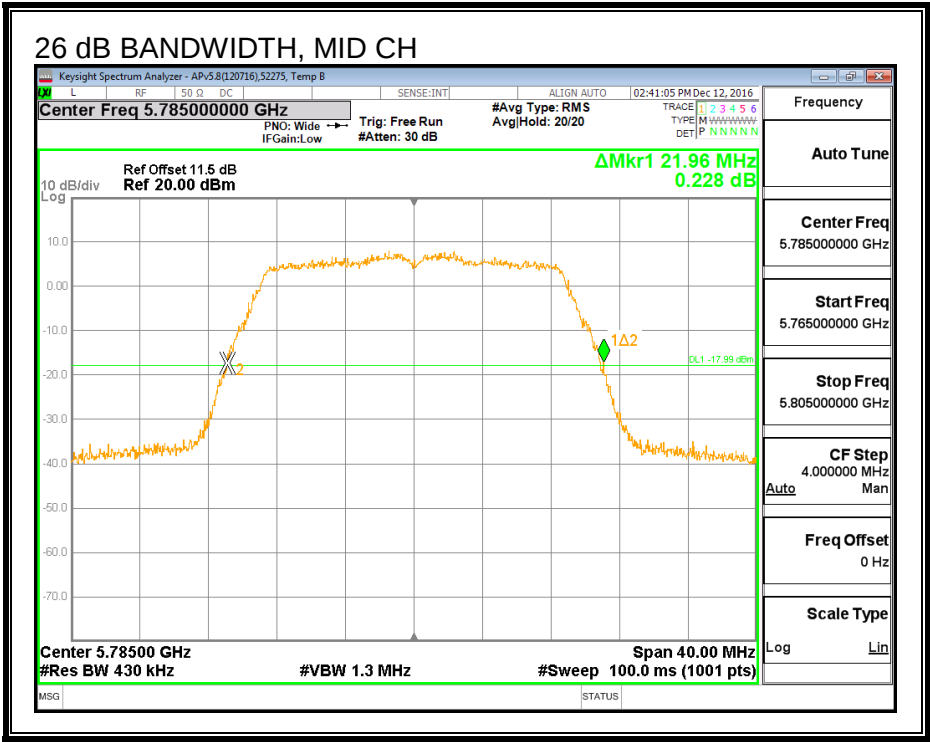
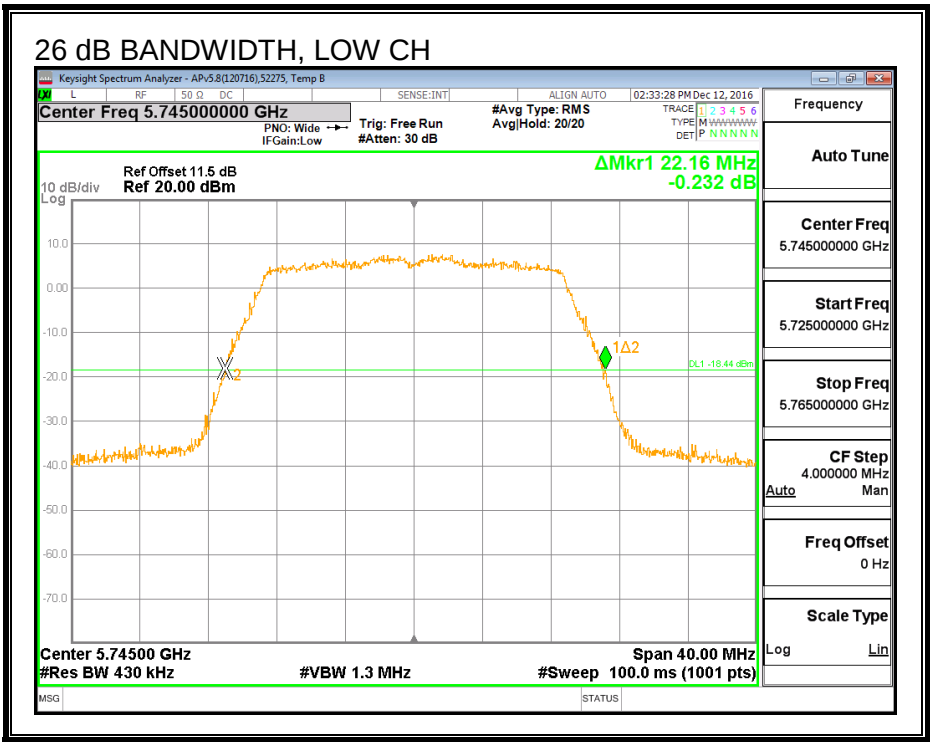
LIMITS

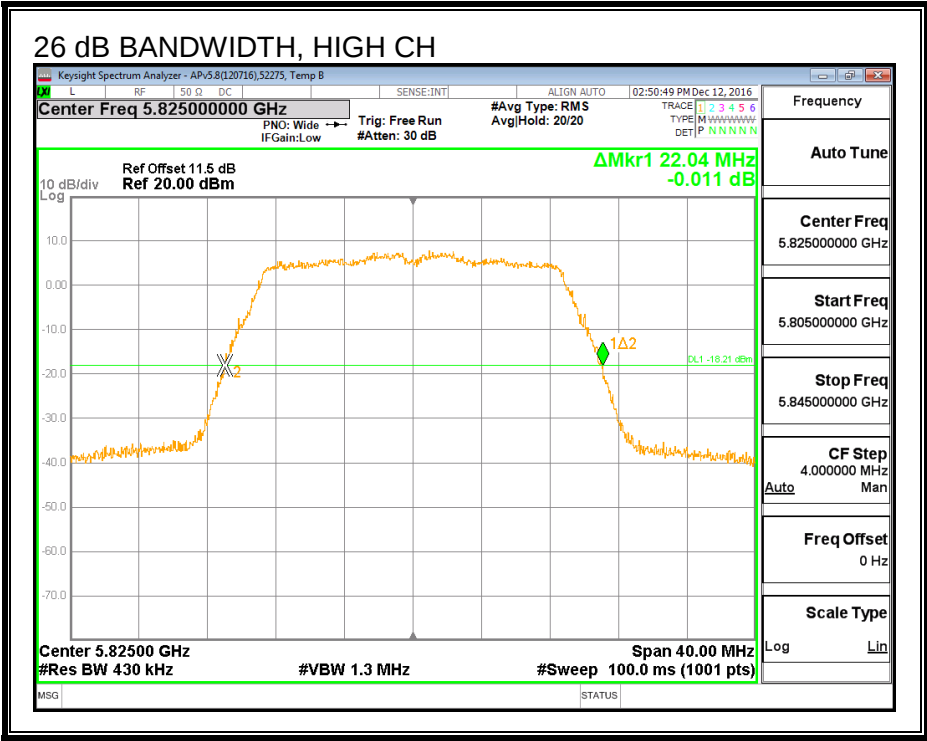
None, for reporting purposes only.

RESULTS

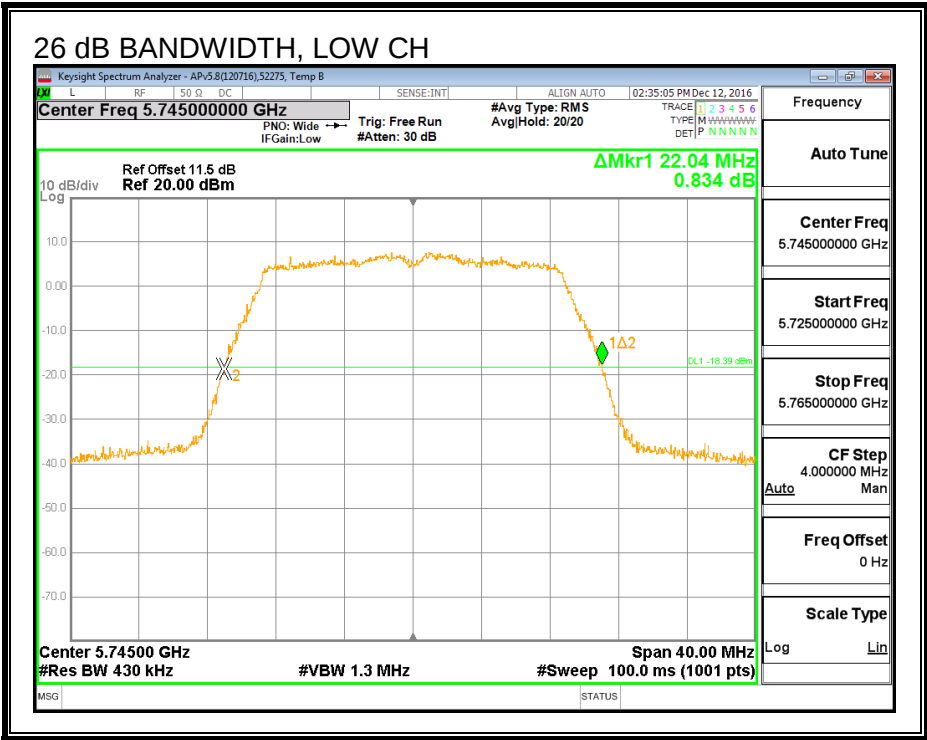
Channel	Frequency (MHz)	26 dB BW Ant A (MHz)	26 dB BW Ant B (MHz)
Low	5745	22.16	22.04
Mid	5785	21.96	22.04
High	5825	22.04	22.12

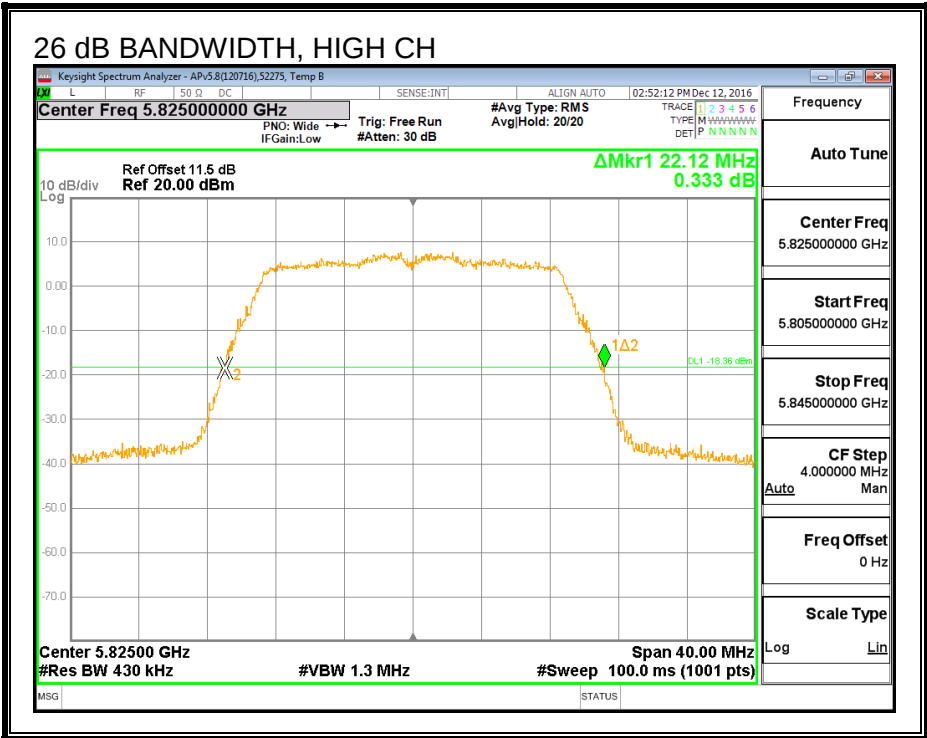
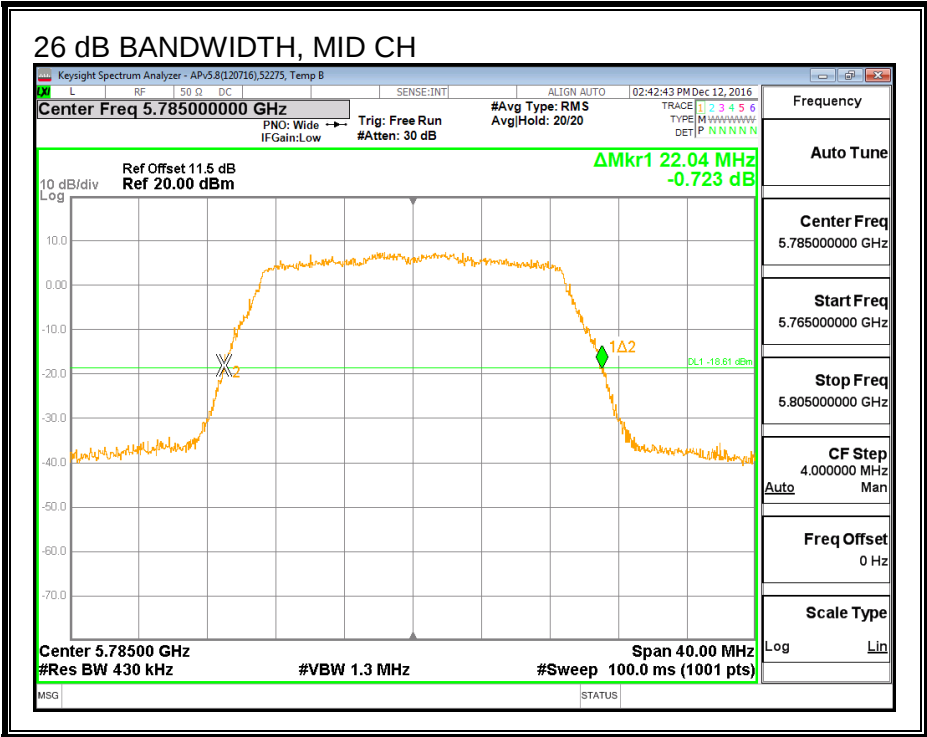
26 dB BANDWIDTH, ANTENNA A





26 dB BANDWIDTH, ANTENNA B





8.45.3. 99% BANDWIDTH

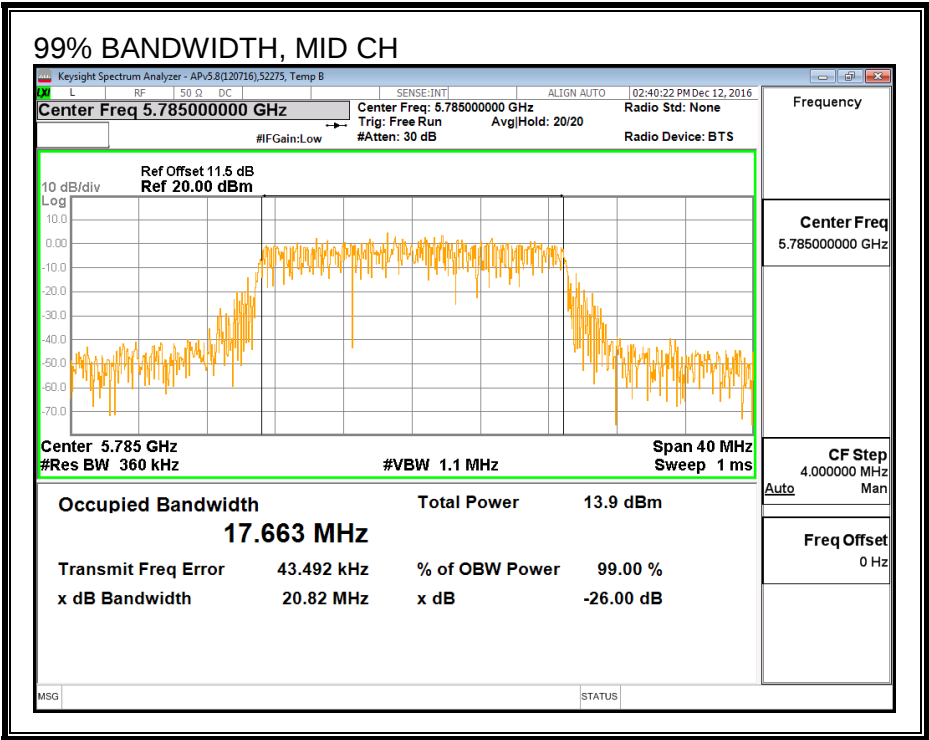
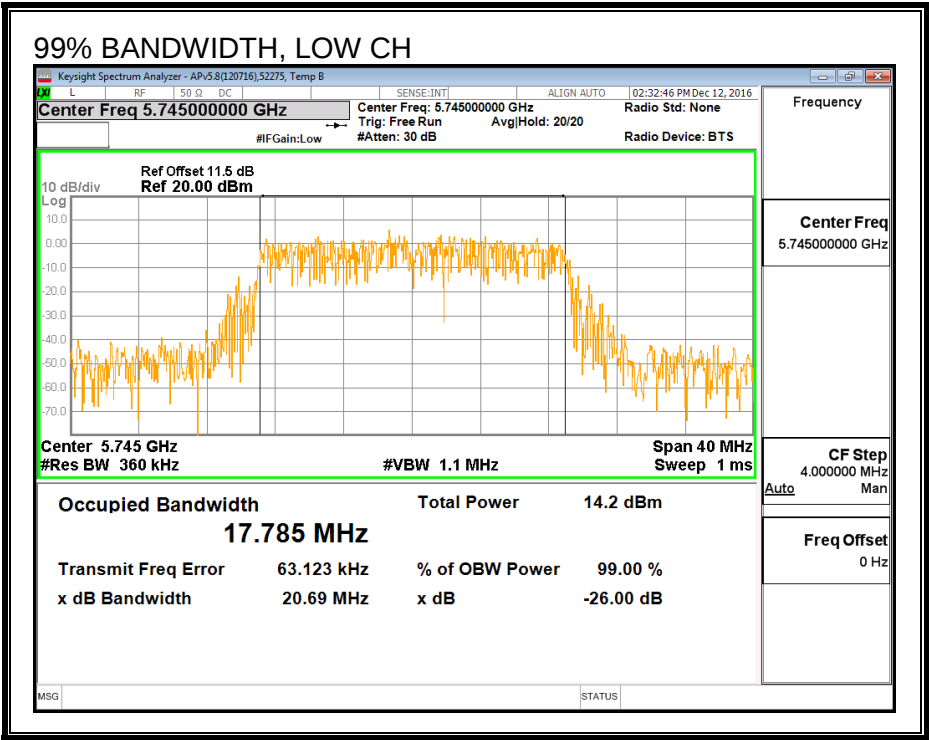
LIMITS

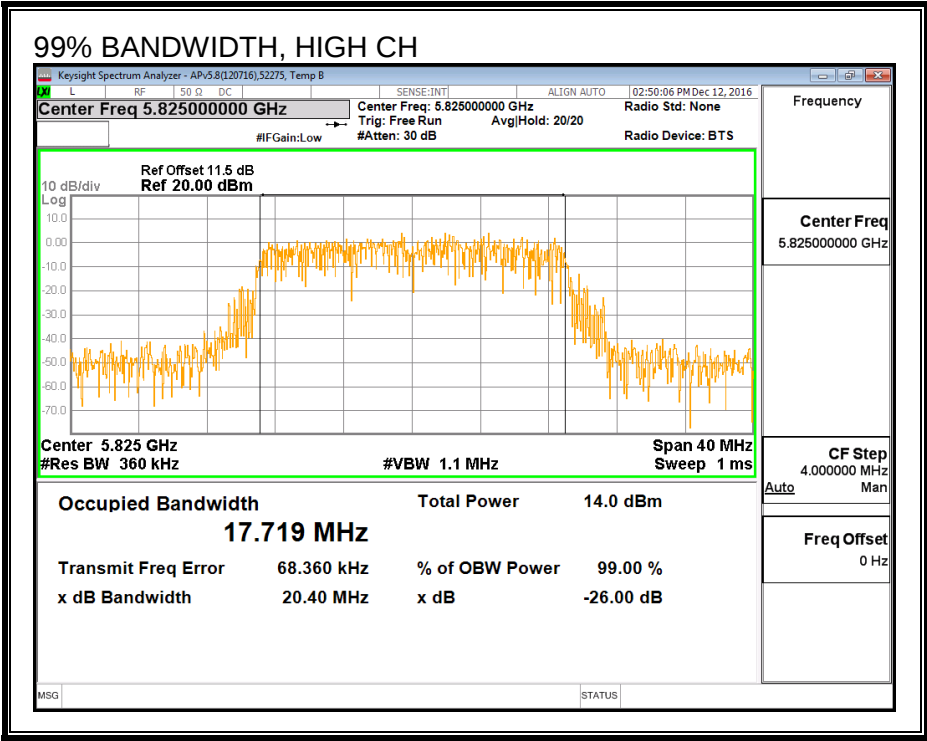
None; for reporting purposes only.

RESULTS

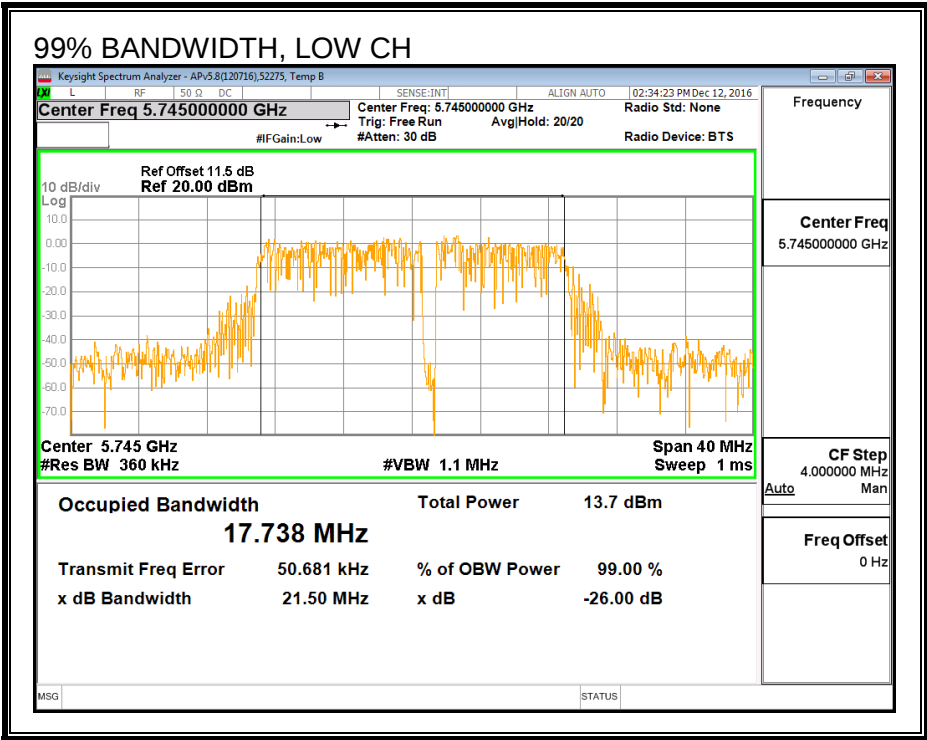
Channel	Frequency (MHz)	99% BW Ant A (MHz)	99% BW Ant B (MHz)
Low	5745	17.785	17.738
Mid	5785	17.663	17.696
High	5825	17.719	17.660

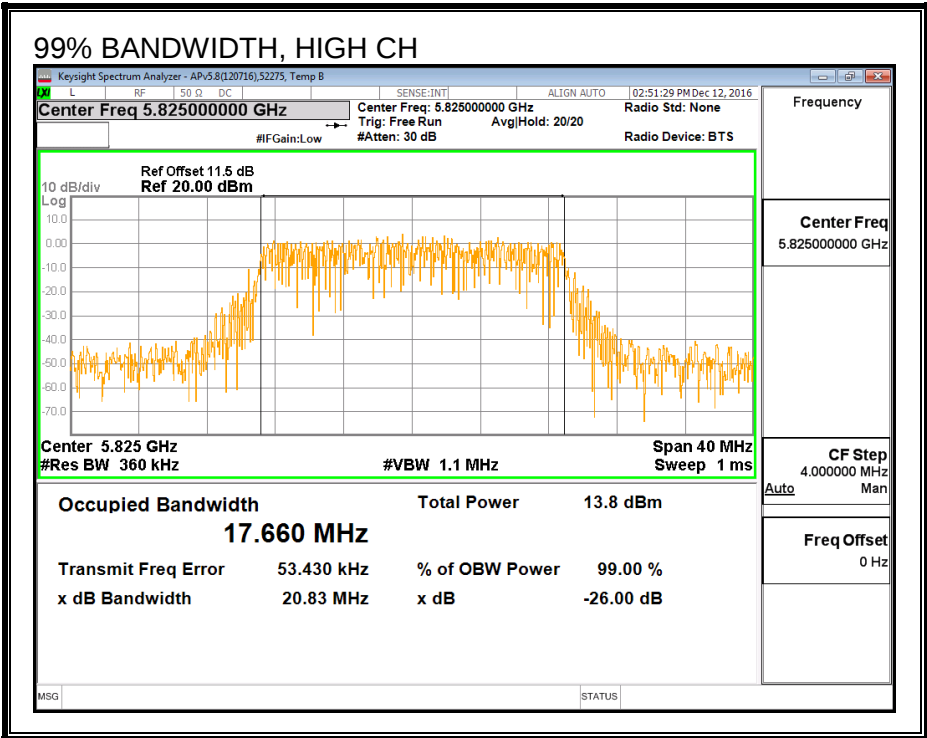
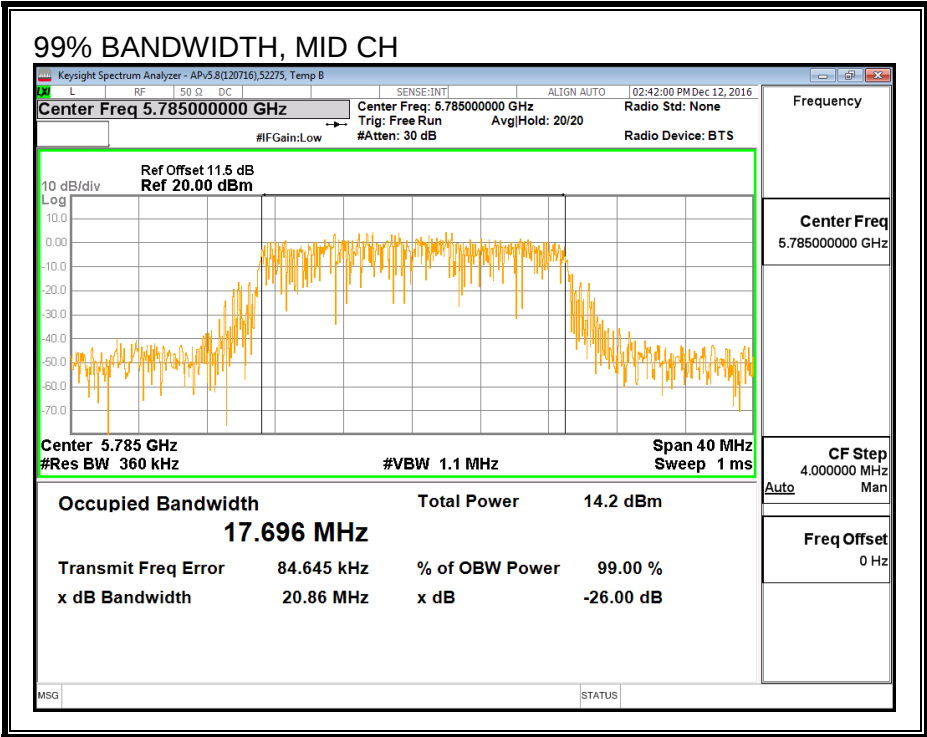
99% BANDWIDTH, ANTENNA A





99% BANDWIDTH, ANTENNA B





8.45.4. AVERAGE POWER

LIMITS

None; for reporting purposes only.

TEST PROCEDURE

Measurements perform using a wideband gated RF power meter.

RESULTS

ID:	43578	Date:	1/21/17
------------	-------	--------------	---------

Channel	Frequency (MHz)	Ant A Power (dBm)	Ant B Power (dBm)	Total Power (dBm)
Low	5745	14.43	14.94	17.70
Mid	5785	14.49	14.97	17.75
High	5825	14.47	14.98	17.74

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

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

Ant A Antenna Gain (dBi)	Ant B Antenna Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)
3.40	3.18	3.29

RESULTS

ID:	43578	Date:	1/21/17
------------	-------	--------------	---------

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)
Low	5745	3.29	30.00
Mid	5785	3.29	30.00
High	5825	3.29	30.00

Output Power Results

Channel	Frequency (MHz)	Ant A Meas Power (dBm)	Ant B Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	14.43	14.94	17.70	30.00	-12.30
Mid	5785	14.49	14.97	17.75	30.00	-12.25
High	5825	14.47	14.98	17.74	30.00	-12.26

8.45.6. PSD

LIMITS

FCC §15.407 (a) (3)

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

DIRECTIONAL ANTENNA GAIN

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

Ant A Antenna Gain (dBi)	Ant B Antenna Gain (dBi)	Correlated Chains Directional Gain (dBi)
3.40	3.18	6.30

RESULTS

Antenna Gain and Limits

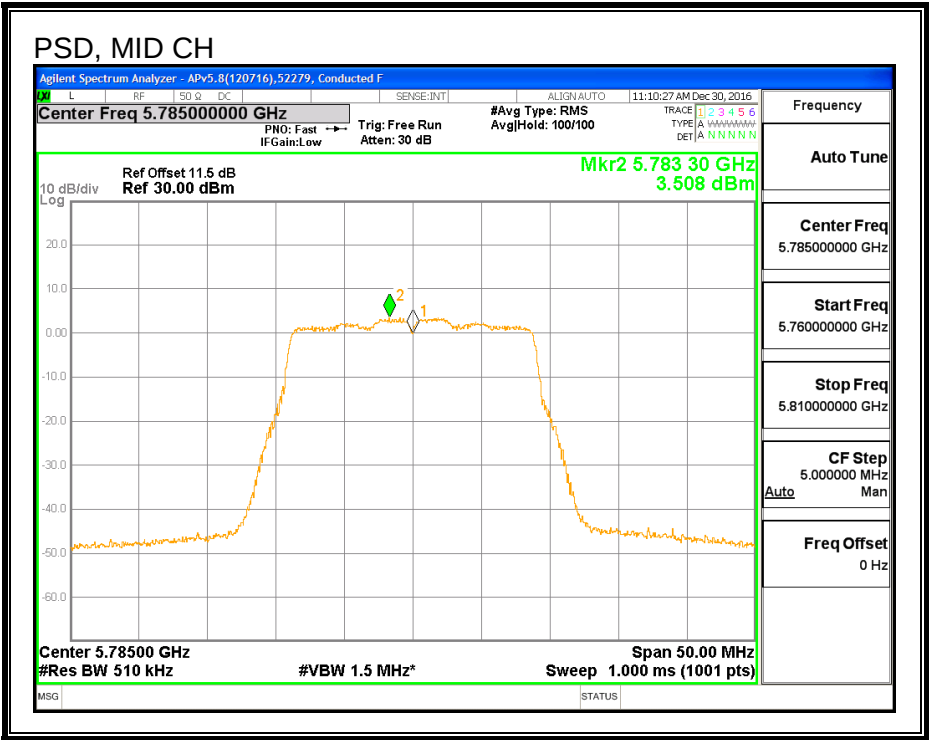
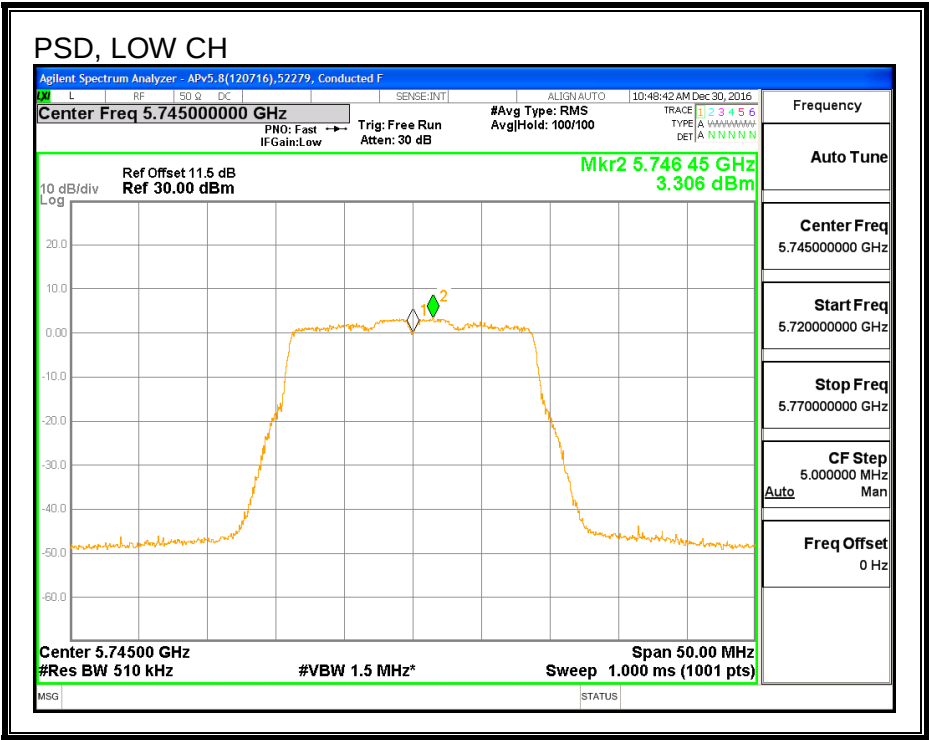
Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm)
Low	5745	6.30	29.70
Mid	5785	6.30	29.70
High	5825	6.30	29.70

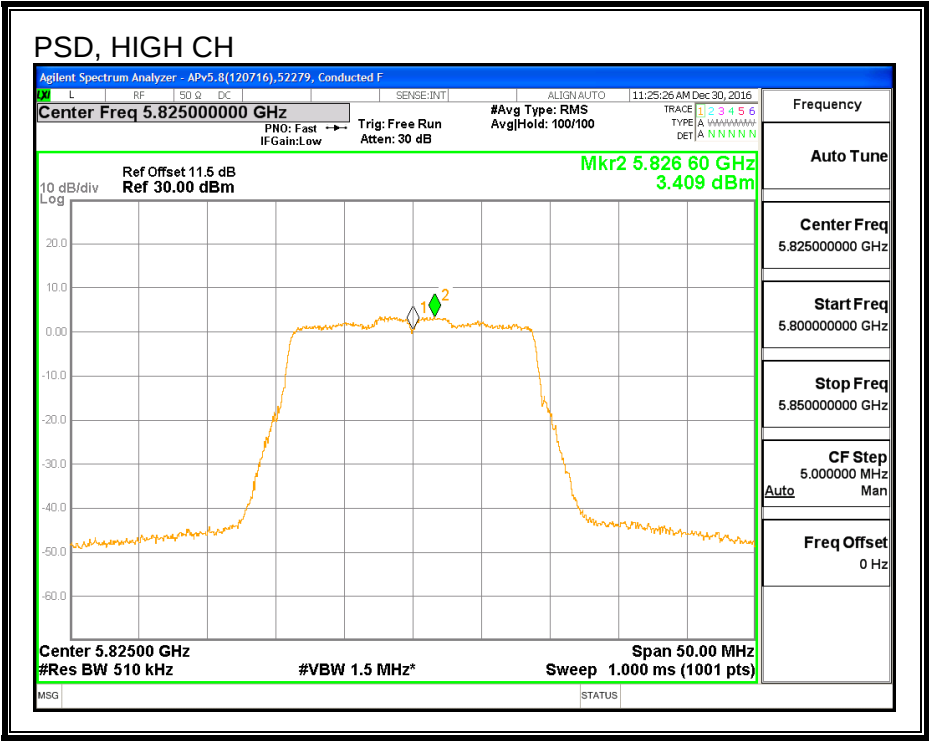
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
--------------------	------	--

PSD Results

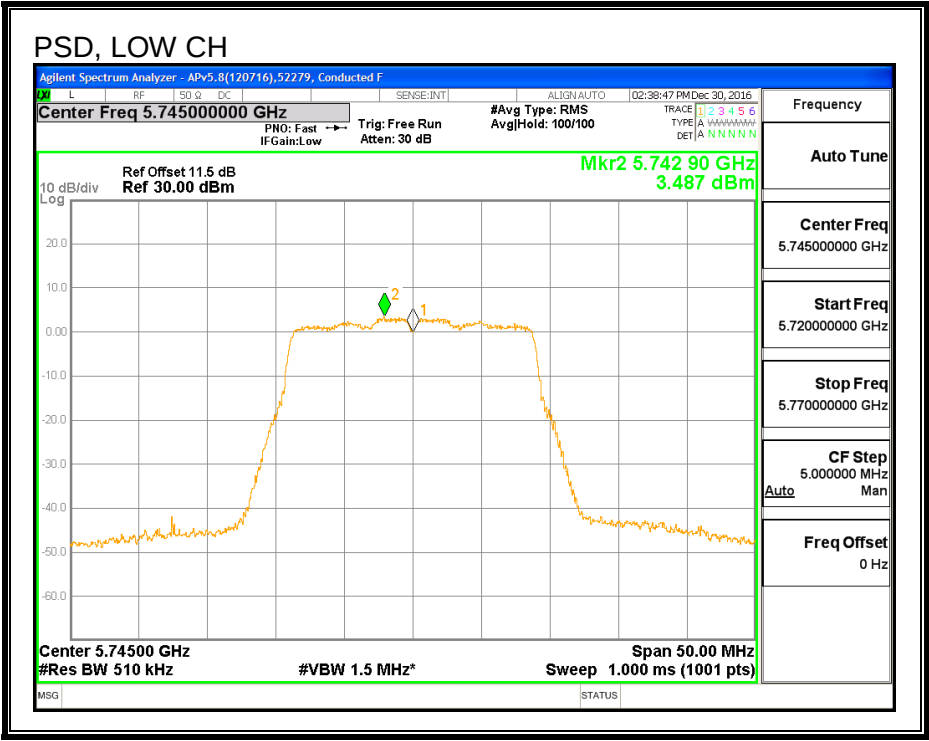
Channel	Frequency (MHz)	Ant A Meas PSD (dBm)	Ant B Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Low	5745	3.31	3.49	6.41	29.70	-23.29
Mid	5785	3.51	3.73	6.63	29.70	-23.07
High	5825	3.41	3.43	6.43	29.70	-23.27

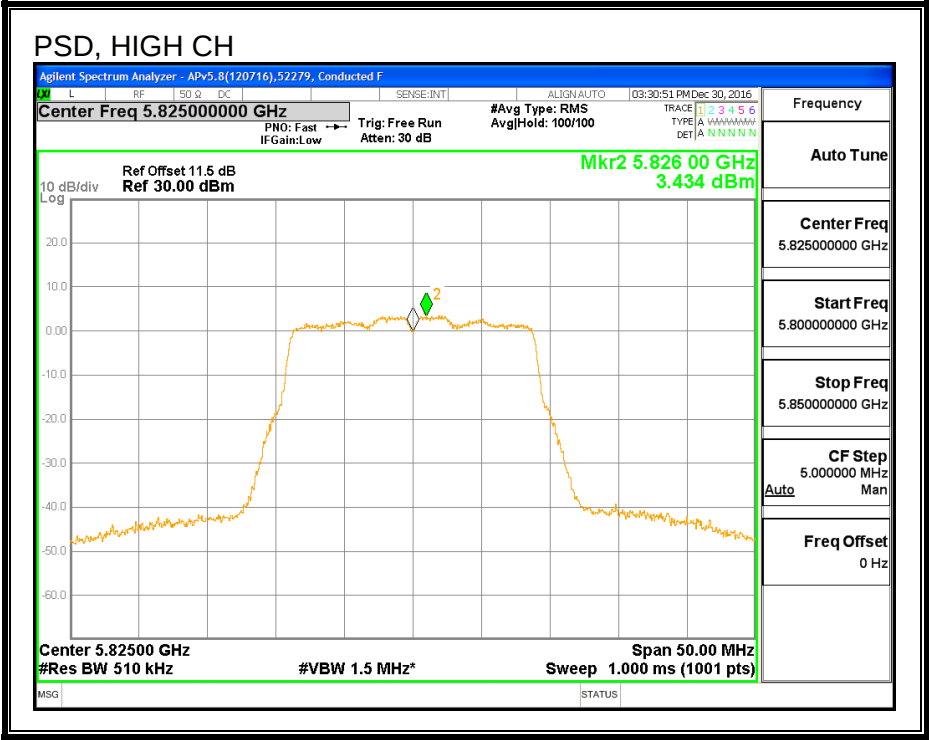
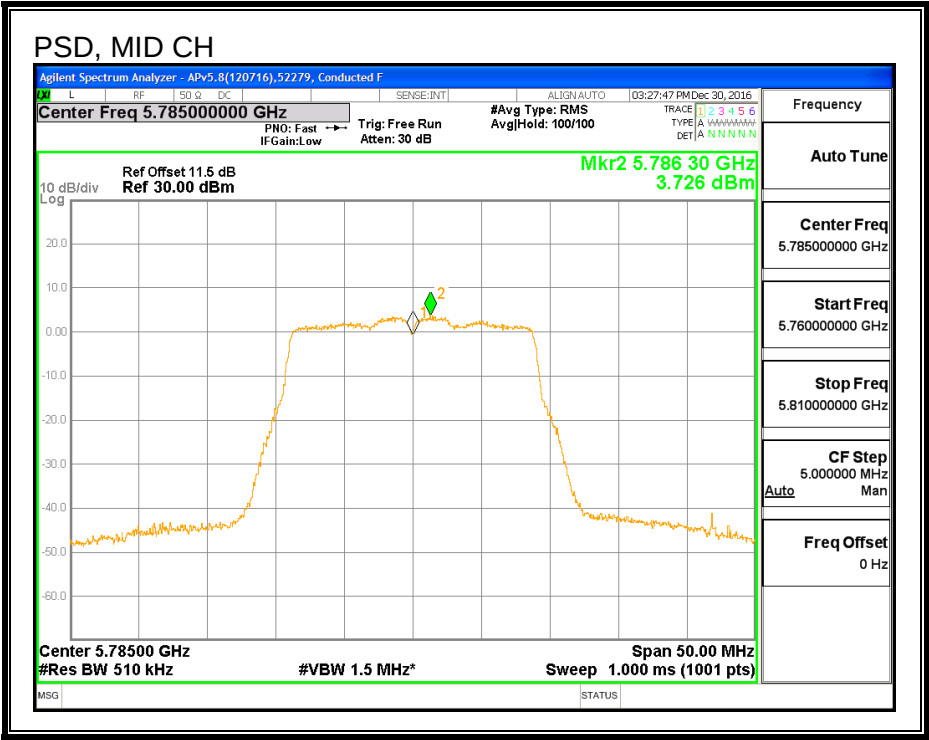
PSD, ANTENNA A





PSD, ANTENNA B





8.46. 802.11n HT20 2Tx (ANTENNA A + ANTENNA B) STBC MODE IN THE 5.8 GHz BAND

Noted: Covered by 802.11n HT20 2Tx (ANTENNA A + ANTENNA B) CDD MODE IN THE 5.8 GHz BAND

8.47. 802.11n HT40 ANTENNA A MODE IN THE 5.8 GHz BAND

8.47.1. 6 dB BANDWIDTH

LIMITS

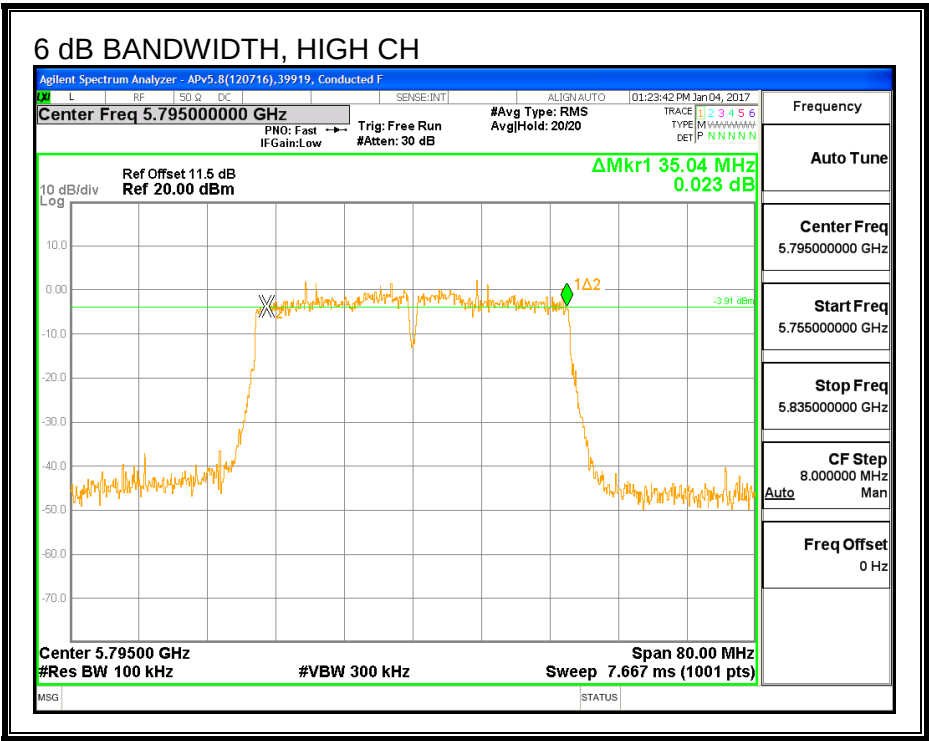
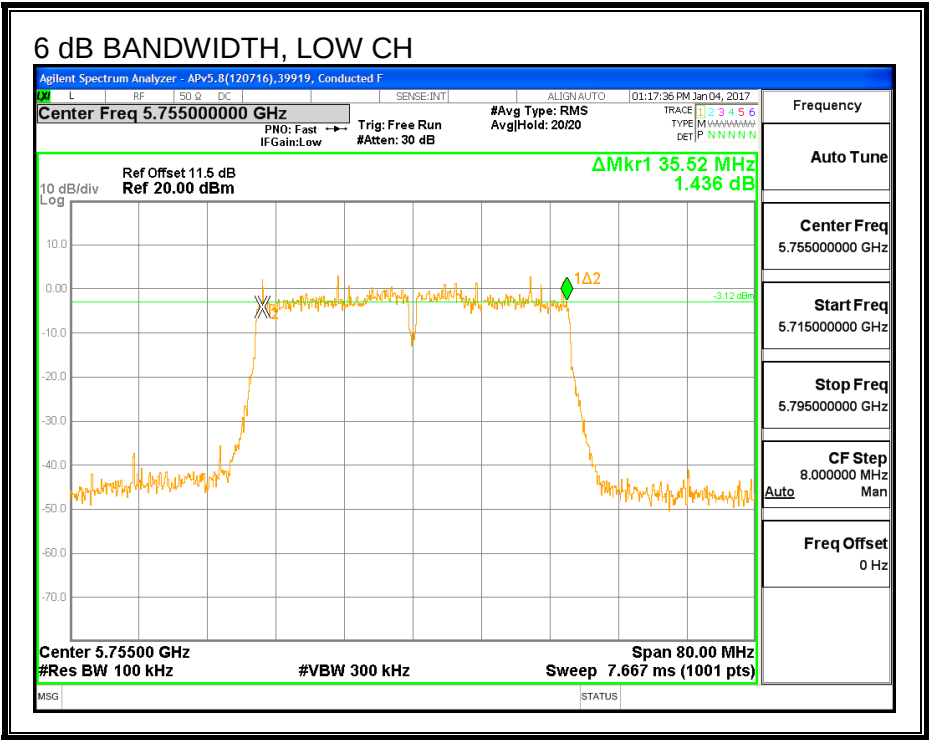
FCC §15.407 (e)

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

RESULTS

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5755	35.52	0.5
High	5795	35.04	0.5

6 dB BANDWIDTH



8.47.2. 26 dB BANDWIDTH

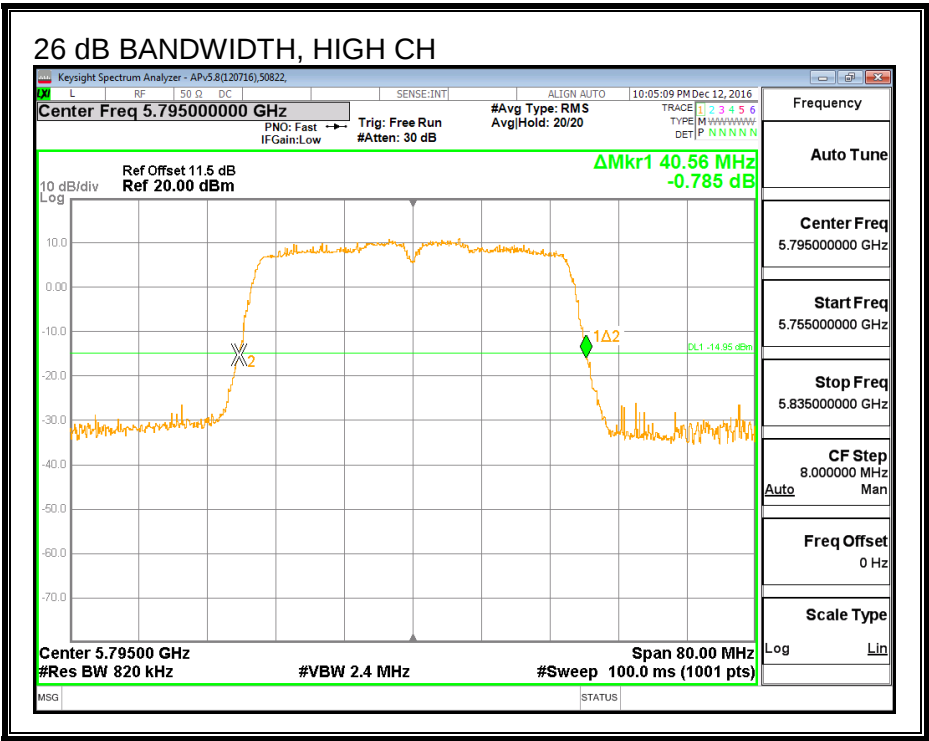
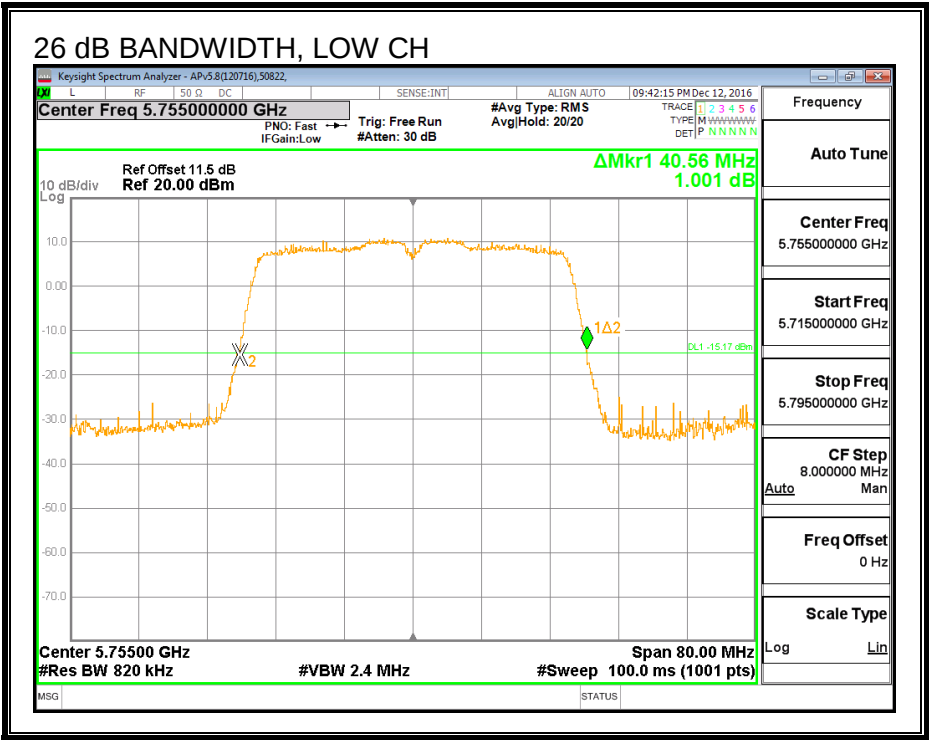
LIMITS

None, for reporting purposes only.

RESULTS

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Low	5755	40.56
High	5795	40.56

26 dB BANDWIDTH



8.47.3. 99% BANDWIDTH

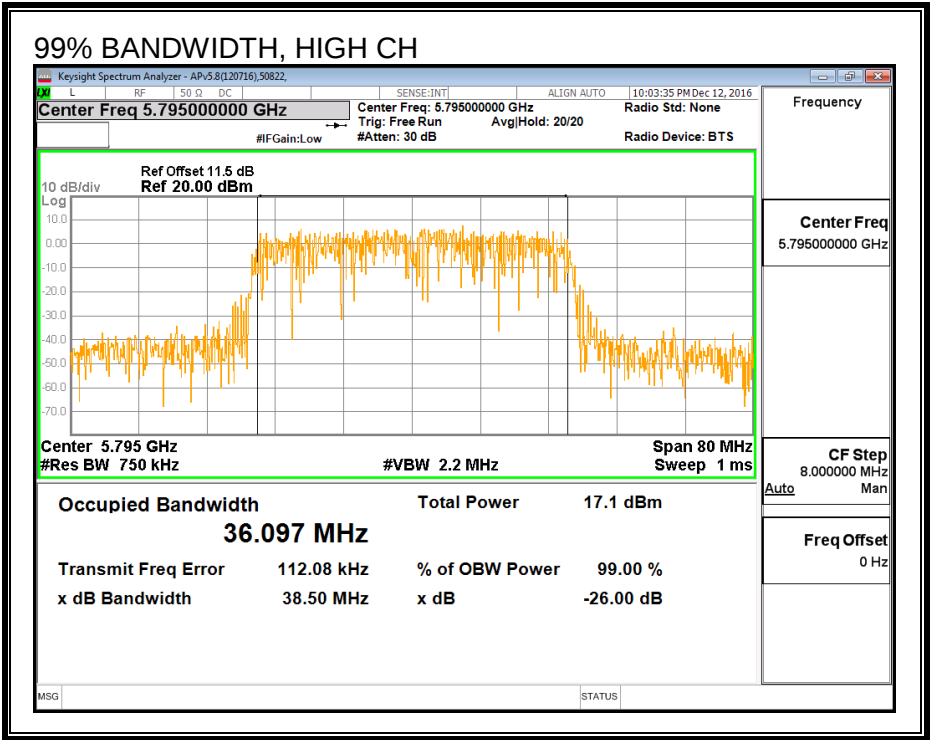
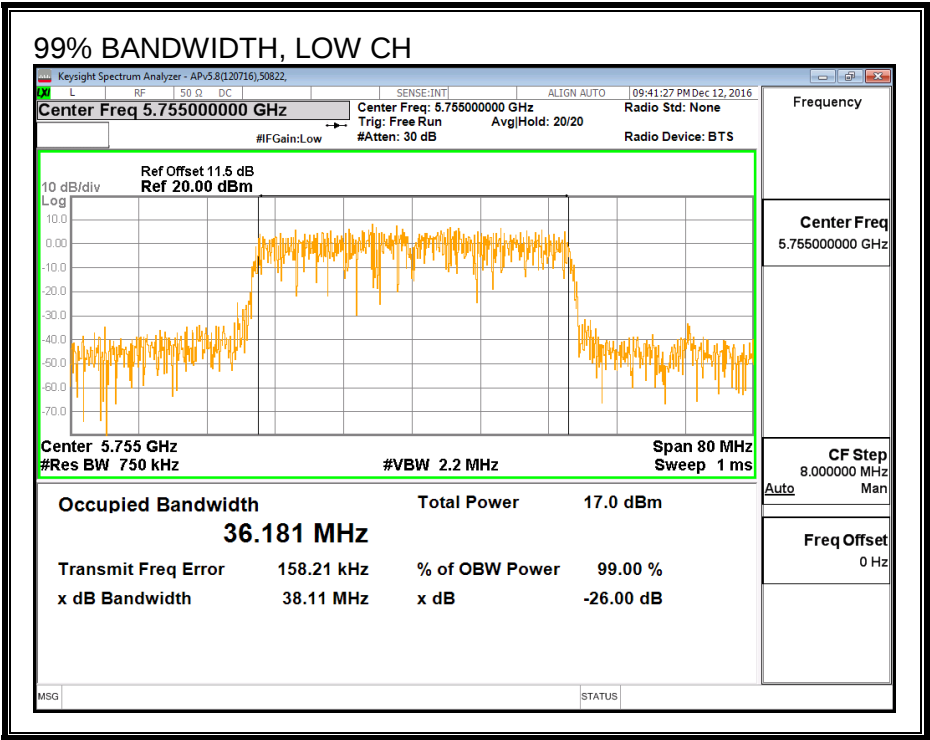
LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5755	36.181
High	5795	36.097

99% BANDWIDTH



8.47.4. AVERAGE POWER

LIMITS

None; for reporting purposes only.

TEST PROCEDURE

Measurements perform using a wideband gated RF power meter.

RESULTS

ID:	43578	Date:	1/21/17
------------	-------	--------------	---------

Channel	Frequency (MHz)	Power (dBm)
Low	5755	14.39
High	5795	14.48

8.47.5. OUTPUT POWER

LIMITS

FCC §15.407 (a) (3)

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

TEST PROCEDURE

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

DIRECTIONAL ANTENNA GAIN

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

RESULTS

ID:	43578	Date:	1/21/17
------------	-------	--------------	---------

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)
Low	5755	3.40	30.00
High	5795	3.40	30.00

Output Power Results

Channel	Frequency (MHz)	Ant A Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	14.39	14.39	30.00	-15.61
High	5795	14.48	14.48	30.00	-15.52

8.47.6. PSD

LIMITS

FCC §15.407 (a) (3)

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

DIRECTIONAL ANTENNA GAIN

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

RESULTS

Antenna Gain and Limits

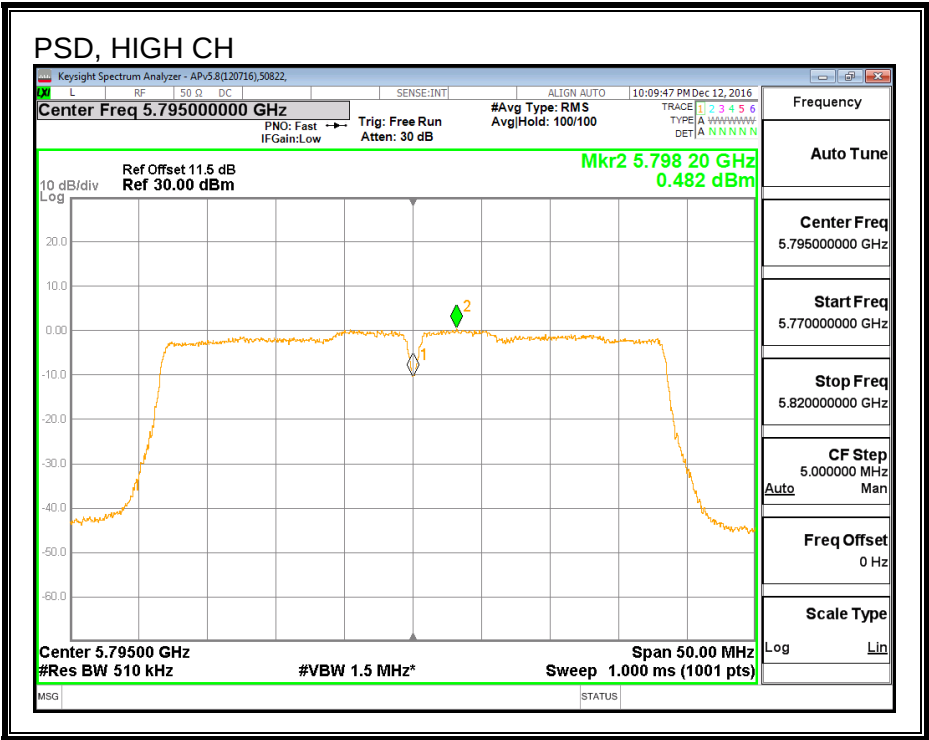
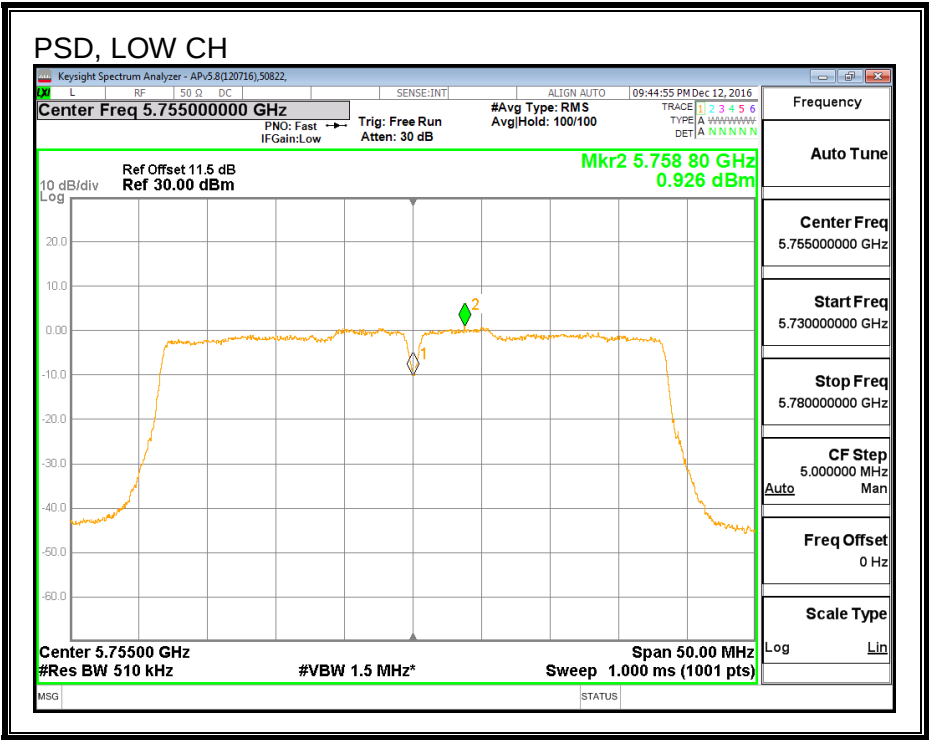
Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm)
Low	5755	3.40	30.00
High	5795	3.40	30.00

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

PSD Results

Channel	Frequency (MHz)	Ant A Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Low	5755	0.93	1.03	30.00	-28.97
High	5795	0.48	0.58	30.00	-29.42

PSD



8.48. 802.11n HT40 ANTENNA B MODE IN THE 5.8 GHz BAND

8.48.1. 6 dB BANDWIDTH

LIMITS

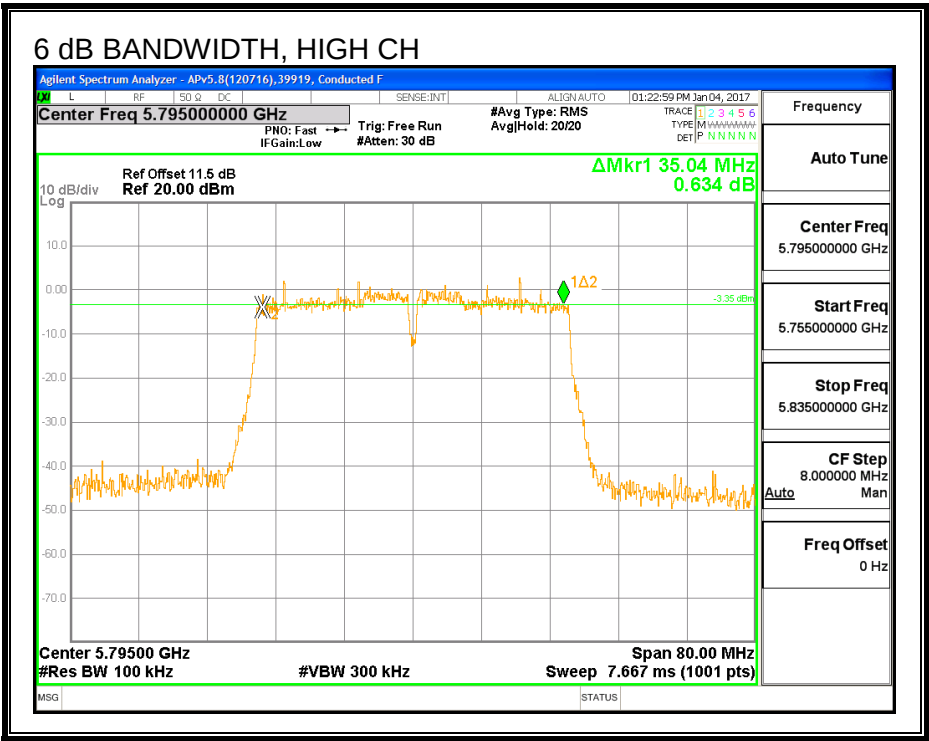
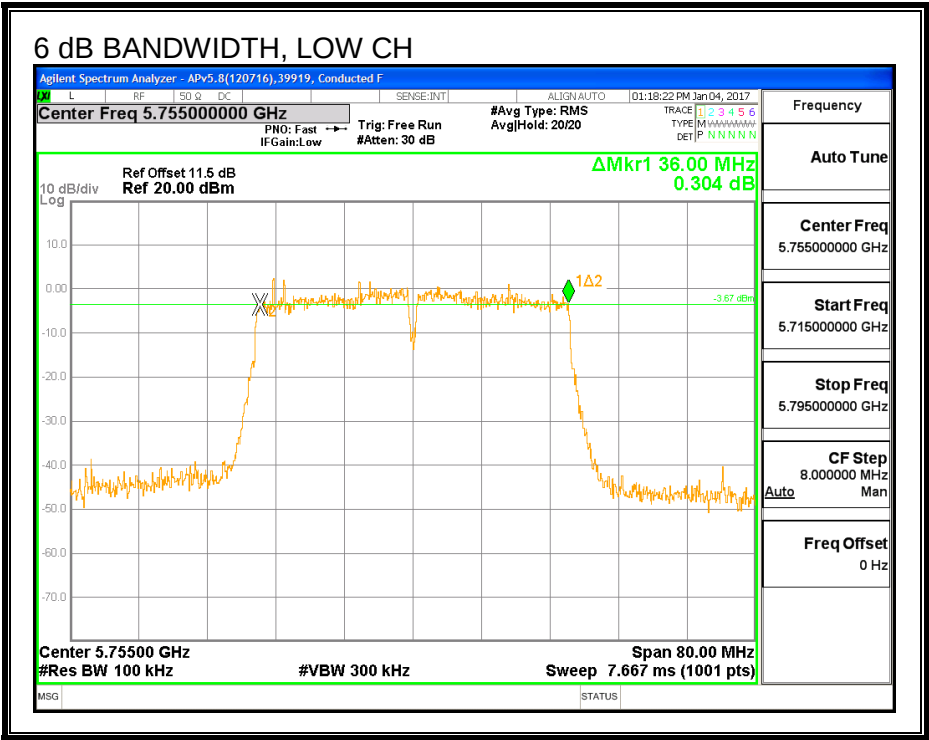
FCC §15.407 (e)

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

RESULTS

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5755	36.00	0.5
High	5795	35.04	0.5

6 dB BANDWIDTH



8.48.2. 26 dB BANDWIDTH

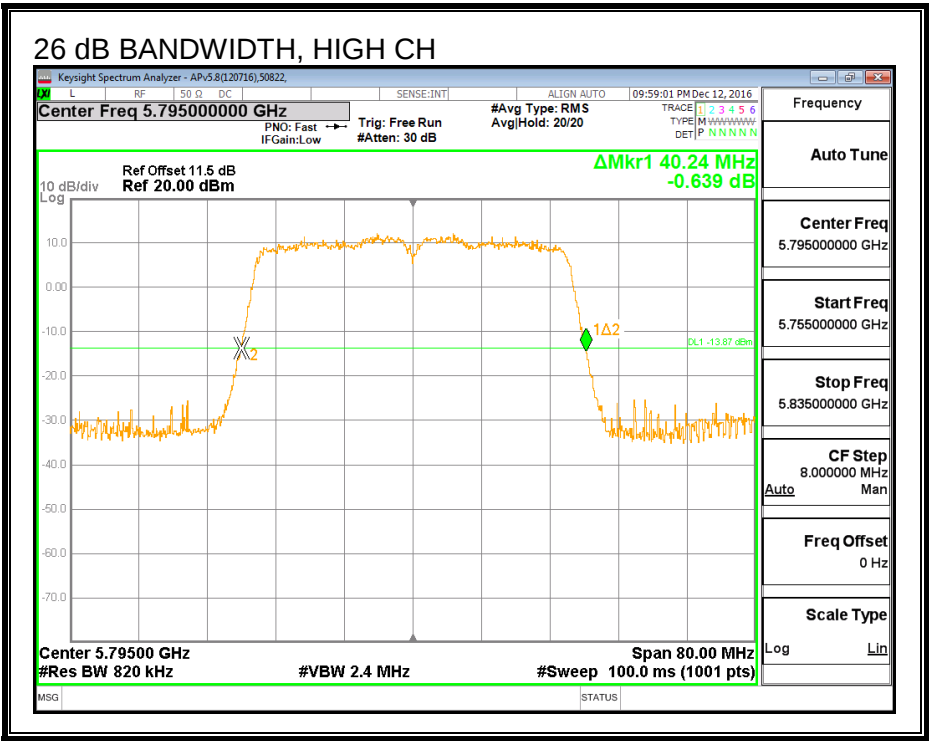
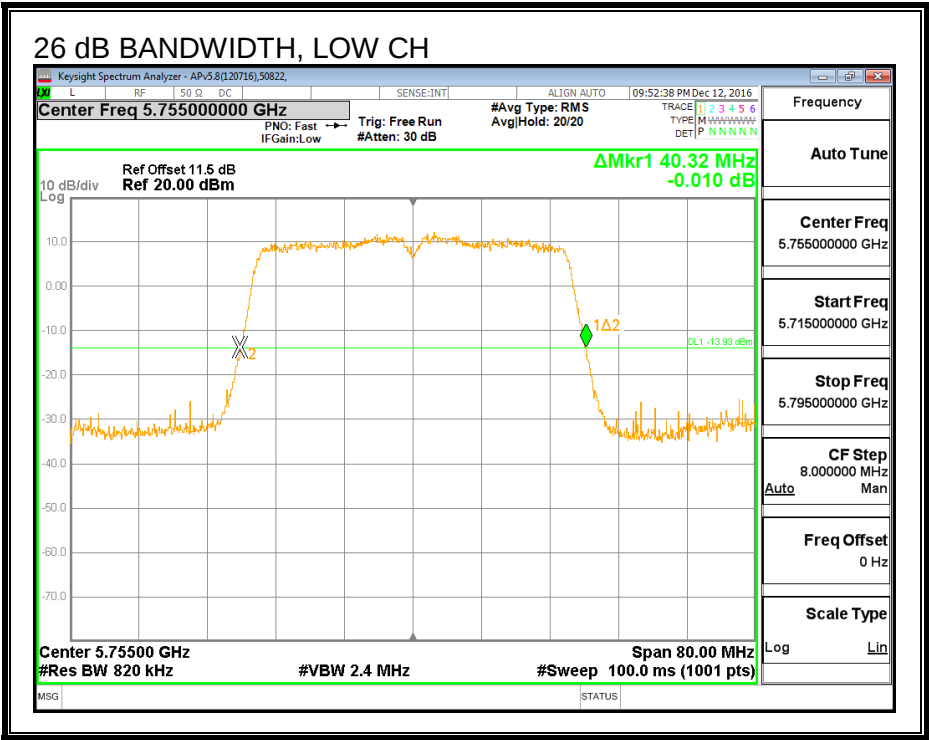
LIMITS

None, for reporting purposes only.

RESULTS

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Low	5755	40.32
High	5795	40.24

26 dB BANDWIDTH



8.48.3. 99% BANDWIDTH

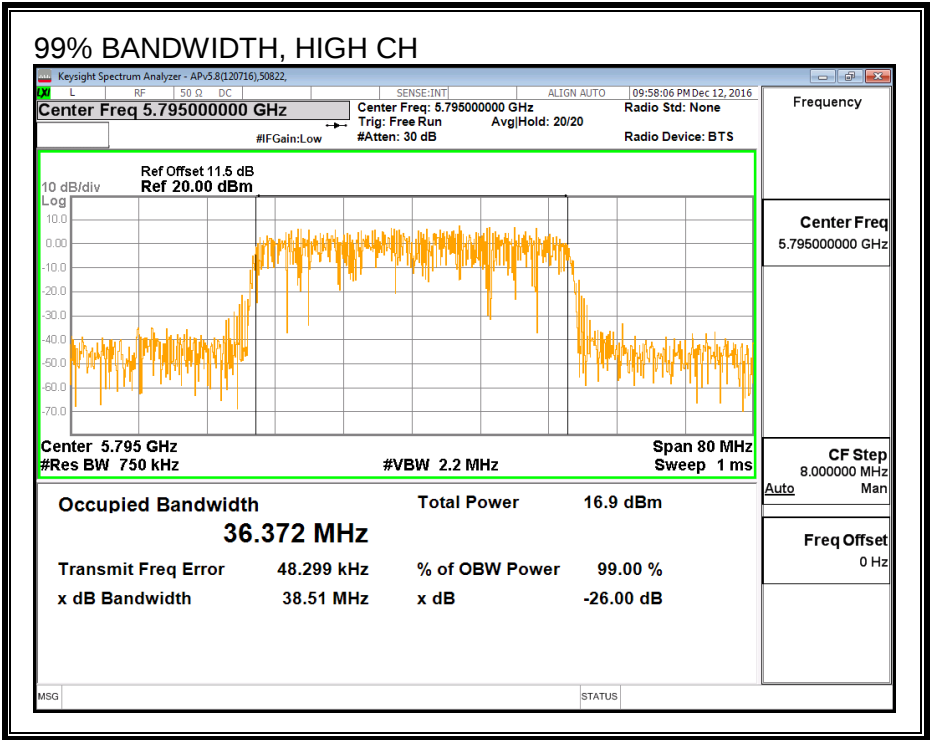
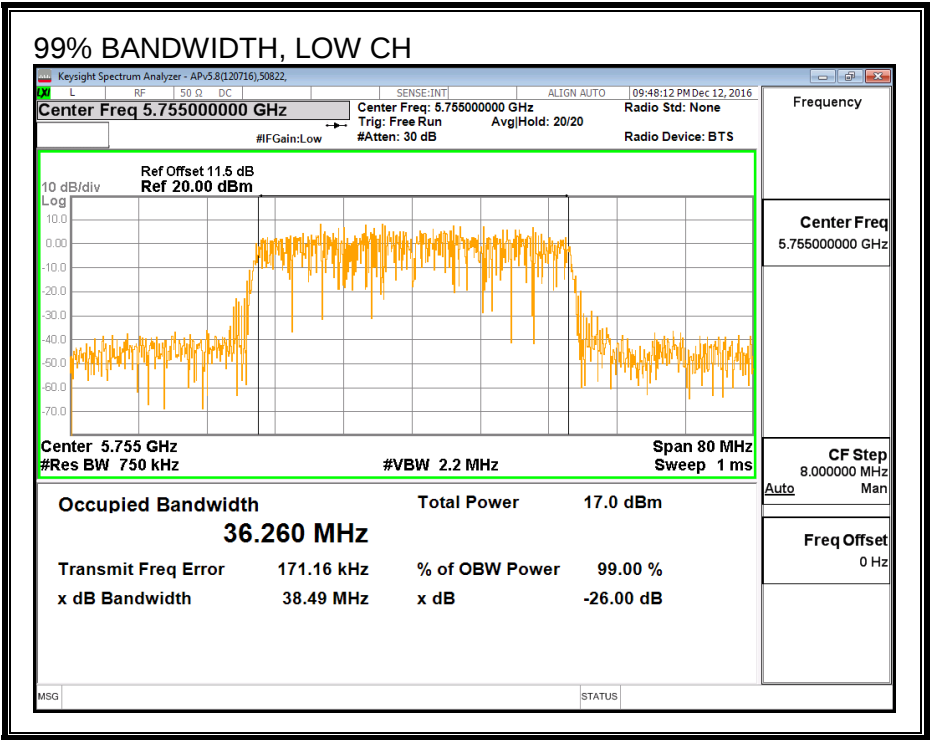
LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5755	36.260
High	5795	36.372

99% BANDWIDTH



8.48.4. AVERAGE POWER

LIMITS

None; for reporting purposes only.

TEST PROCEDURE

Measurements perform using a wideband gated RF power meter.

RESULTS

ID:	43578	Date:	1/21/17
------------	-------	--------------	---------

Channel	Frequency (MHz)	Power (dBm)
Low	5755	14.97
High	5795	14.92

8.48.5. OUTPUT POWER

LIMITS

FCC §15.407 (a) (3)

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

TEST PROCEDURE

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

DIRECTIONAL ANTENNA GAIN

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

RESULTS

ID:	43578	Date:	1/21/17
------------	-------	--------------	---------

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)
Low	5755	3.18	30.00
High	5795	3.18	30.00

Output Power Results

Channel	Frequency (MHz)	Ant B Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	14.97	14.97	30.00	-15.03
High	5795	14.92	14.92	30.00	-15.08

8.48.6. PSD

LIMITS

FCC §15.407 (a) (3)

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

DIRECTIONAL ANTENNA GAIN

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

RESULTS

Antenna Gain and Limits

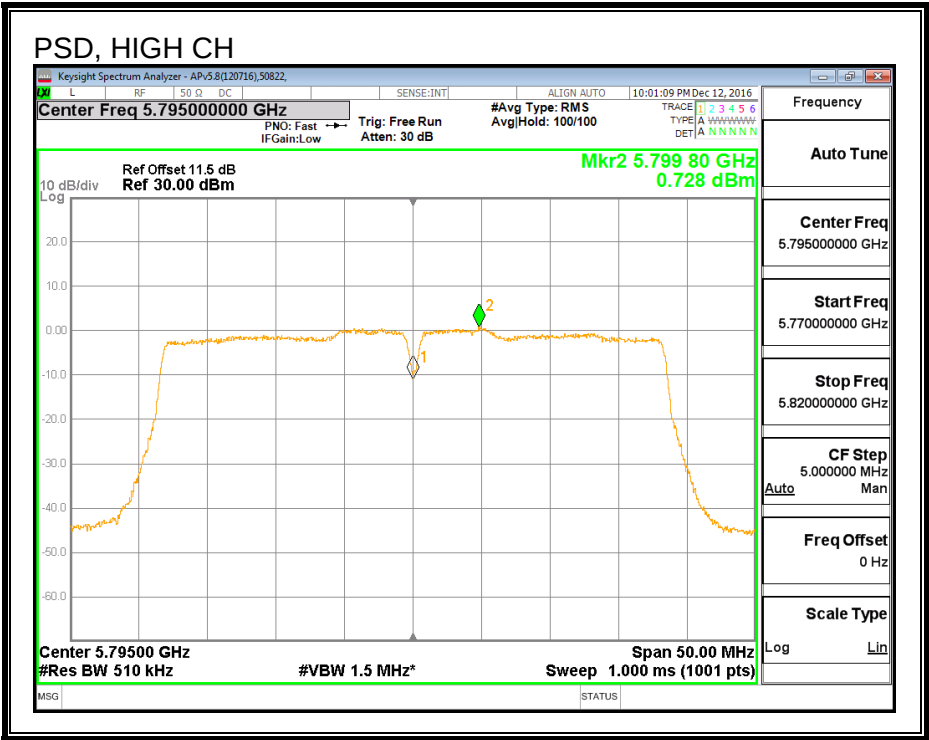
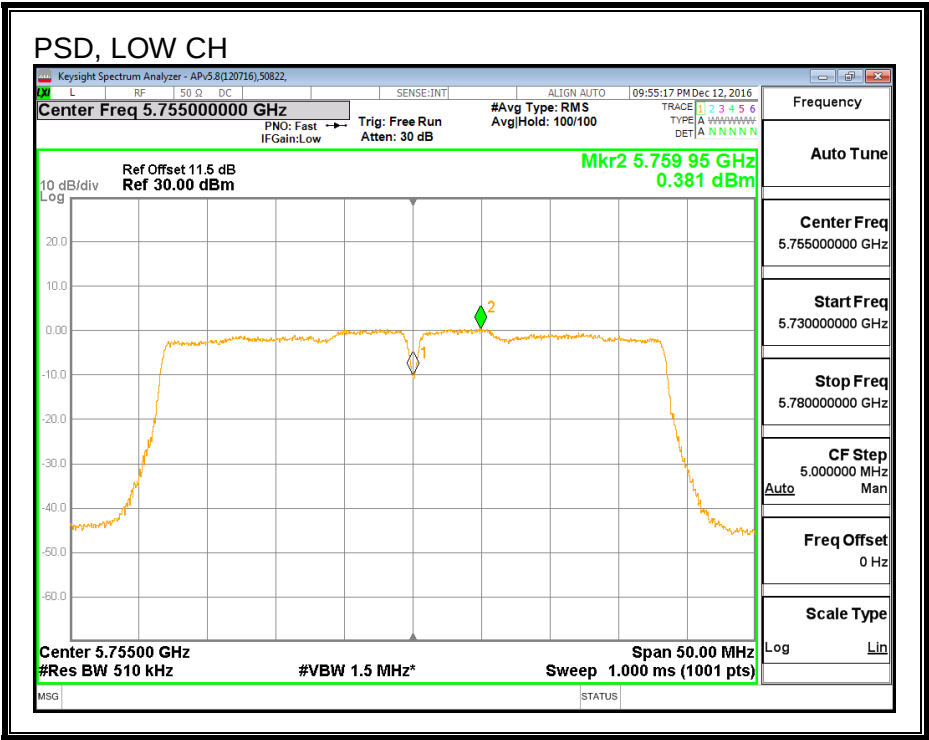
Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm)
Low	5755	3.18	30.00
High	5795	3.18	30.00

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

PSD Results

Channel	Frequency (MHz)	Ant B Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Low	5755	0.38	0.48	30.00	-29.52
High	5795	0.73	0.83	30.00	-29.17

PSD



8.49. 802.11n HT40 2Tx (ANTENNA A + ANTENNA B) CDD MODE IN THE 5.8 GHz BAND

8.49.1. 6 dB BANDWIDTH

LIMITS

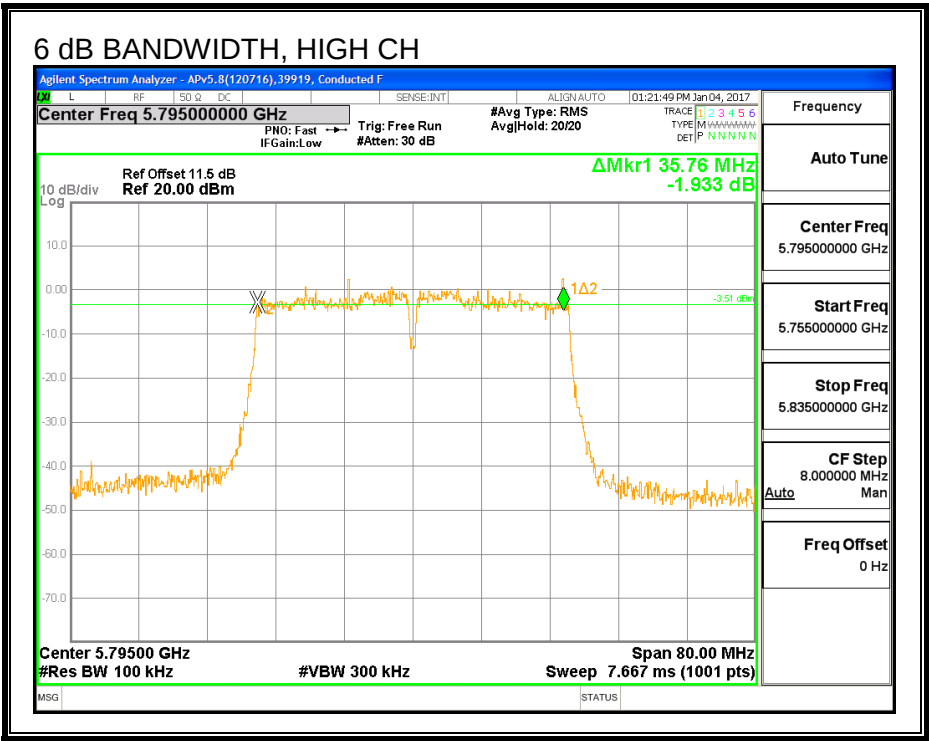
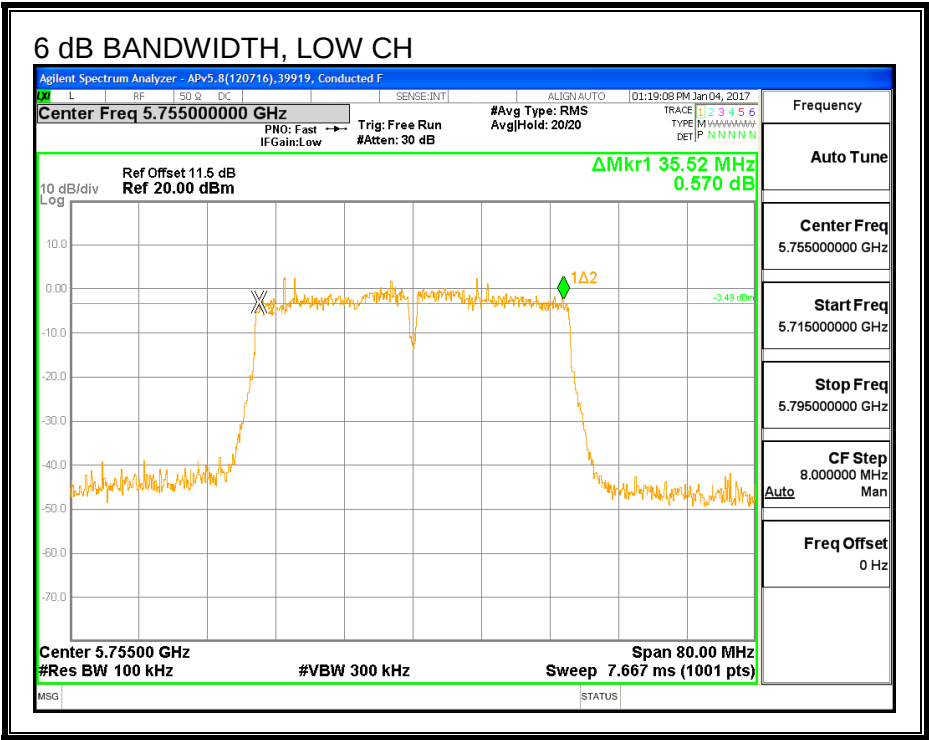
FCC §15.407 (e)

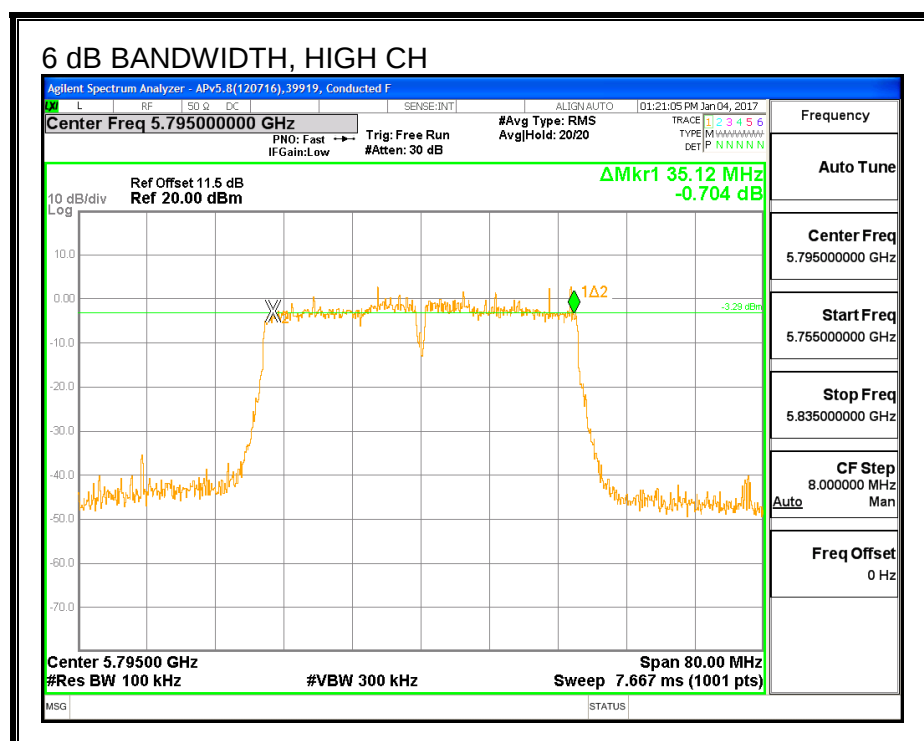
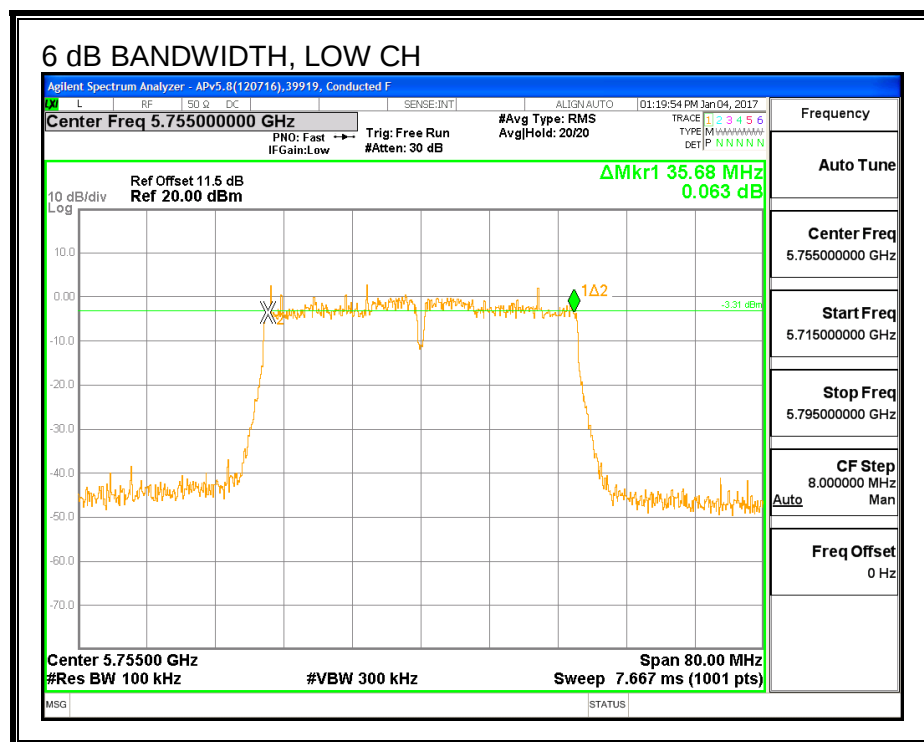
The minimum 6 dB bandwidth shall be at least 500 kHz.

RESULTS

Channel	Frequency (MHz)	6 dB BW Ant A (MHz)	6 dB BW Ant B (MHz)	Minimum Limit (MHz)
Low	5755	35.52	35.68	0.5
High	5795	35.76	35.12	0.5

6 dB BANDWIDTH, ANTENNA A





8.49.2. 26 dB BANDWIDTH

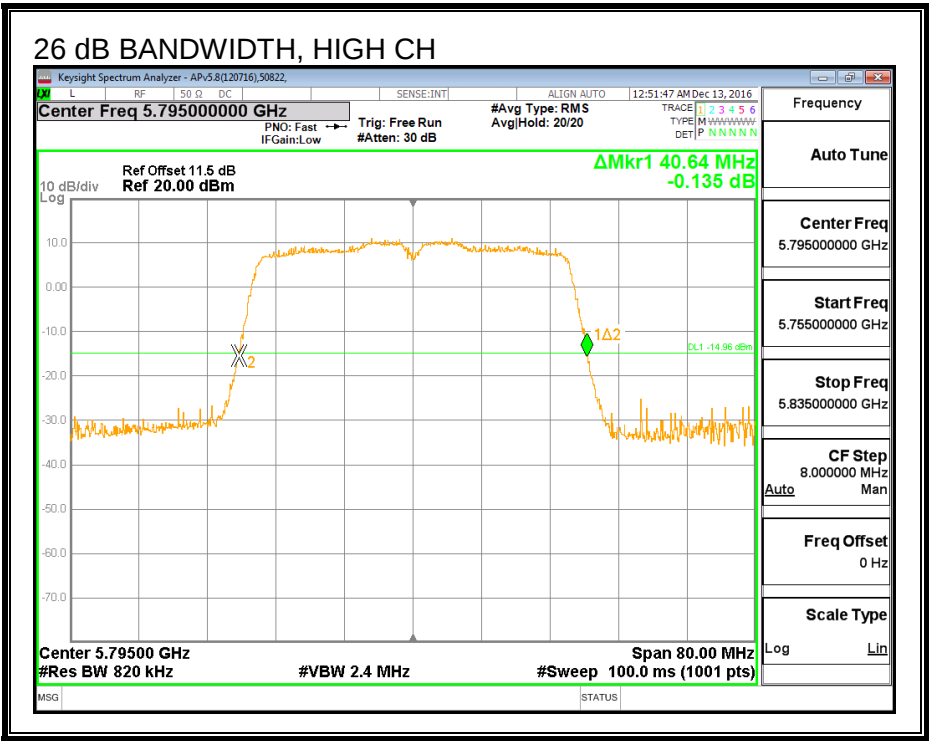
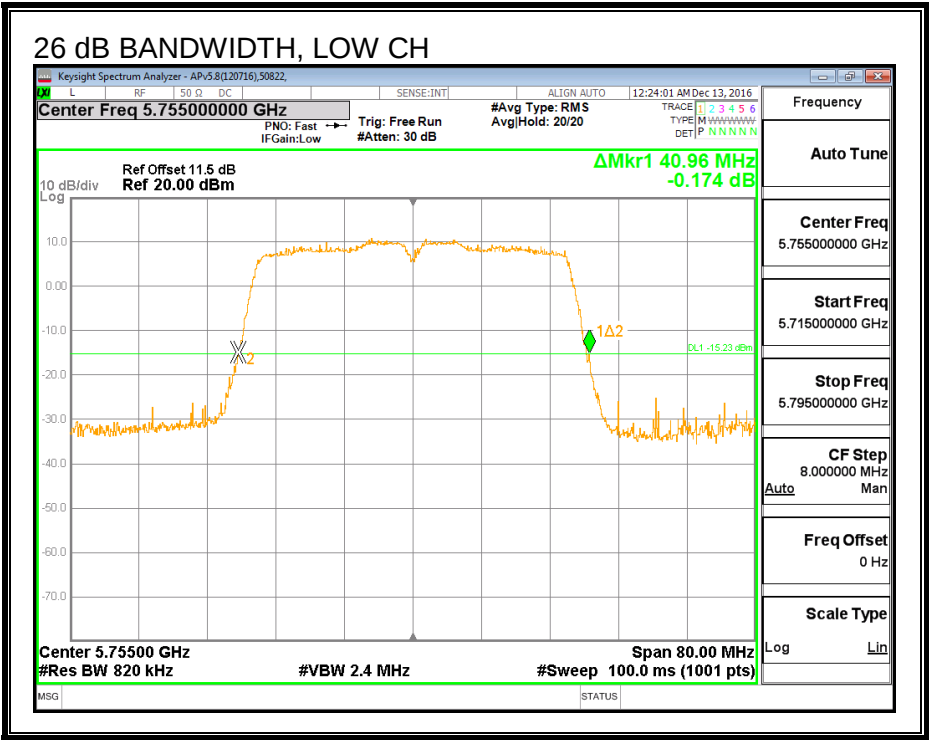
LIMITS

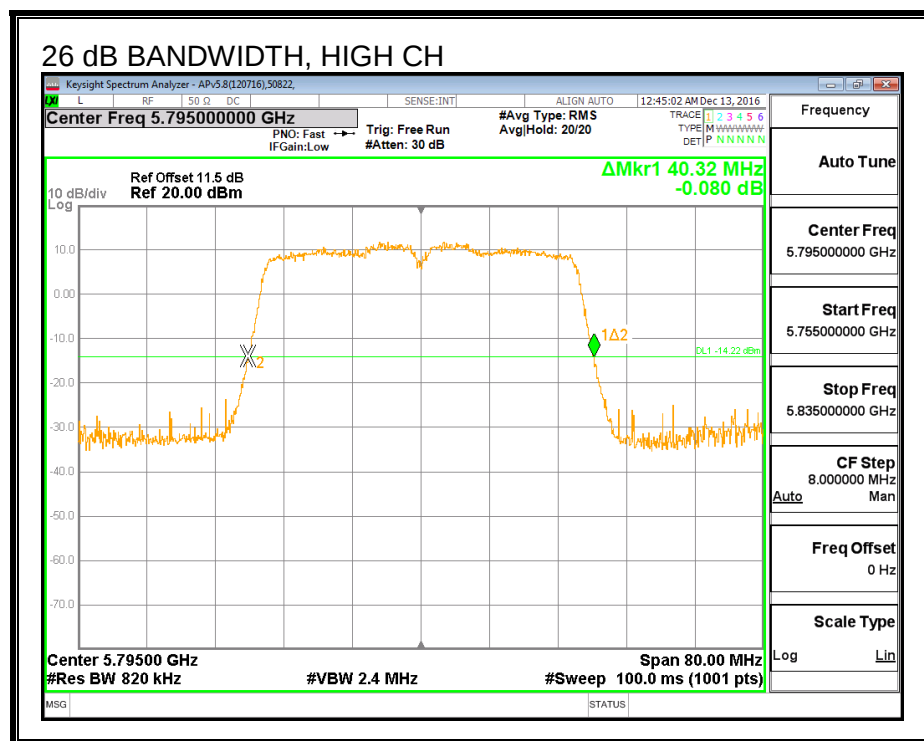
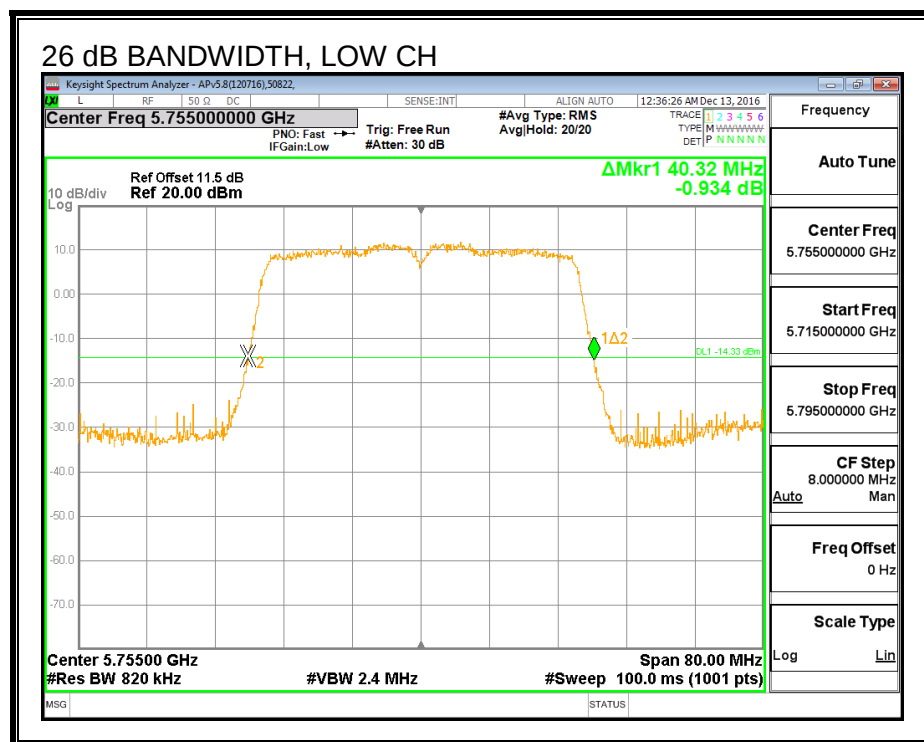
None, for reporting purposes only.

RESULTS

Channel	Frequency (MHz)	26 dB BW Ant A (MHz)	26 dB BW Ant B (MHz)
Low	5755	40.96	40.32
High	5795	40.64	40.32

26 dB BANDWIDTH, ANTENNA A





8.49.3. 99% BANDWIDTH

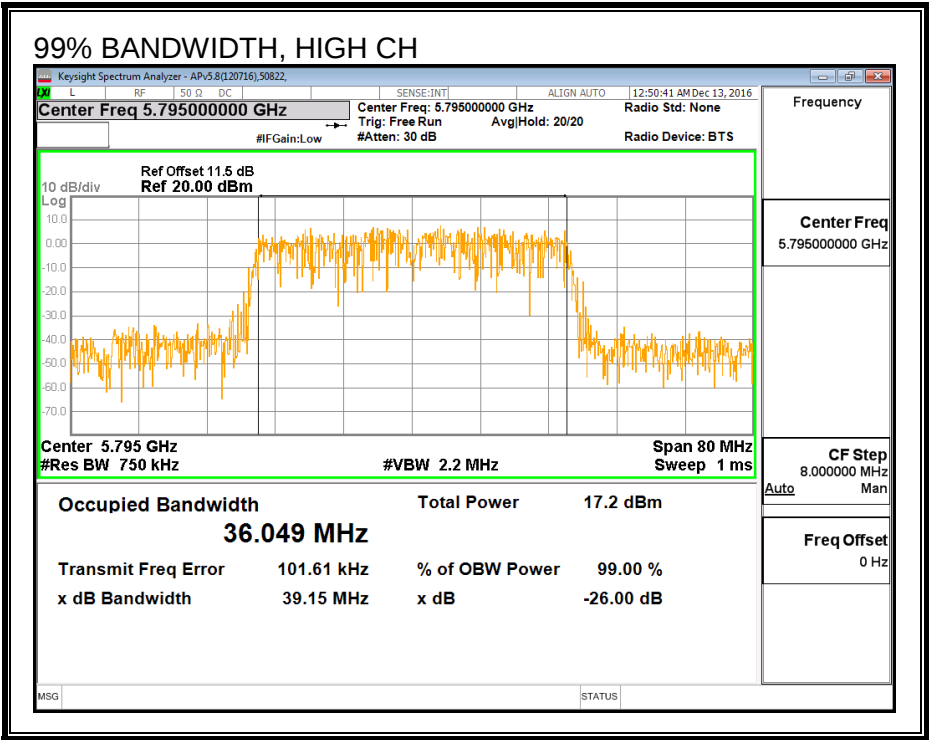
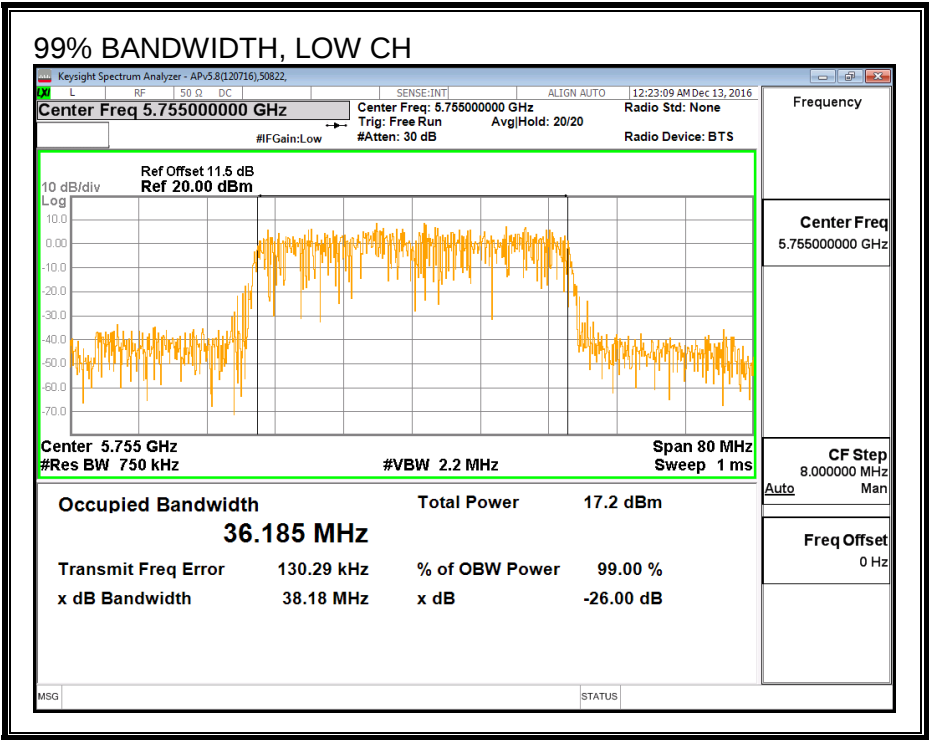
LIMITS

None; for reporting purposes only.

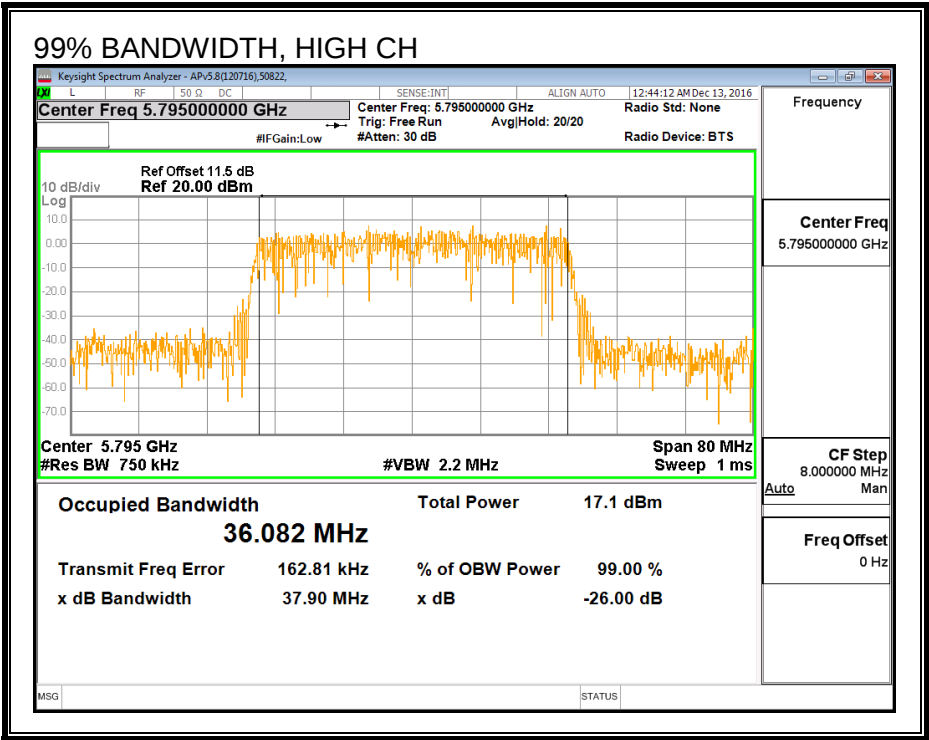
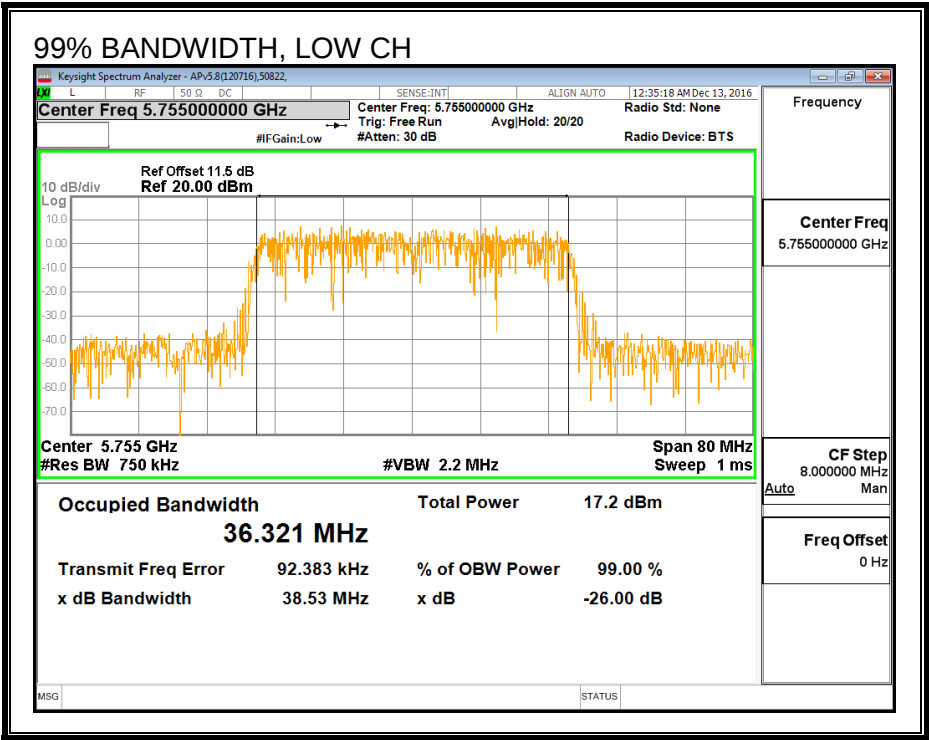
RESULTS

Channel	Frequency (MHz)	99% BW Ant A (MHz)	99% BW Ant B (MHz)
Low	5755	36.185	36.321
High	5795	36.049	36.082

99% BANDWIDTH, ANTENNA A



99% BANDWIDTH, ANTENNA B



8.49.4. AVERAGE POWER

LIMITS

None; for reporting purposes only.

TEST PROCEDURE

Measurements perform using a wideband gated RF power meter.

RESULTS

ID:	43578	Date:	1/21/17
------------	-------	--------------	---------

Channel	Frequency (MHz)	Ant A Power (dBm)	Ant B Power (dBm)	Total Power (dBm)
Low	5755	14.42	14.87	17.66
High	5795	14.39	14.86	17.64

8.49.5. OUTPUT POWER

LIMITS

FCC §15.407 (a) (3)

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

TEST PROCEDURE

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

DIRECTIONAL ANTENNA GAIN

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

Ant A Antenna Gain (dBi)	Ant B Antenna Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)
3.40	3.18	3.29

RESULTS

ID:	43578	Date:	1/21/17
------------	-------	--------------	---------

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)
Low	5755	3.29	30.00
High	5795	3.29	30.00

Output Power Results

Channel	Frequency (MHz)	Ant A Meas Power (dBm)	Ant B Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	14.42	14.87	17.66	30.00	-12.34
High	5795	14.39	14.86	17.64	30.00	-12.36

8.49.6. PSD

LIMITS

FCC §15.407 (a) (3)

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

DIRECTIONAL ANTENNA GAIN

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

Ant A Antenna Gain (dBi)	Ant B Antenna Gain (dBi)	Correlated Chains Directional Gain (dBi)
3.40	3.18	6.30

RESULTS

Antenna Gain and Limit

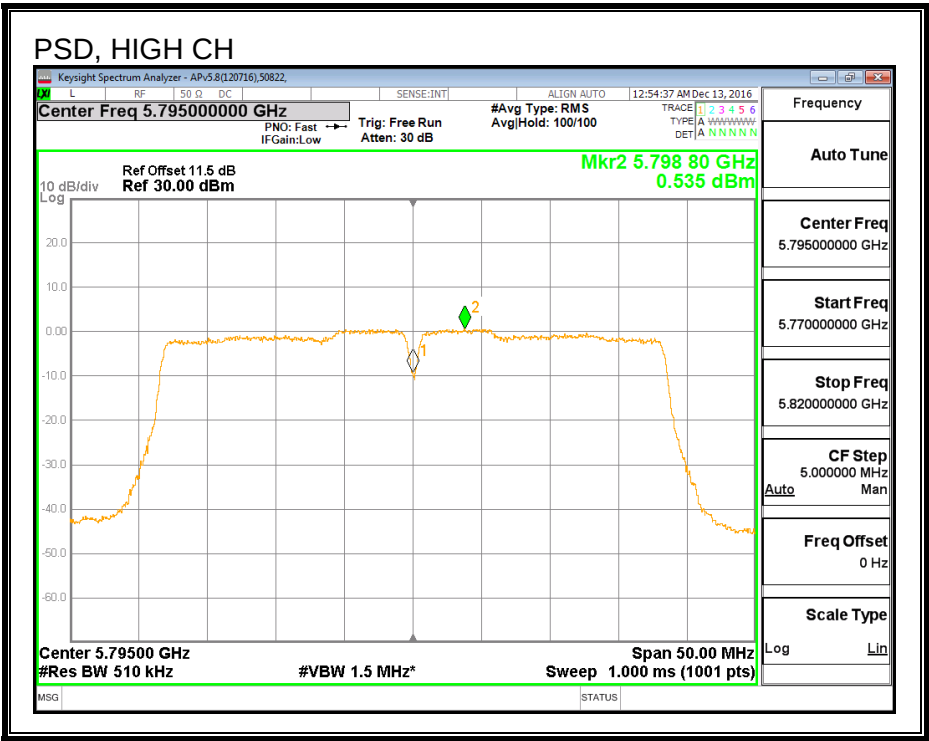
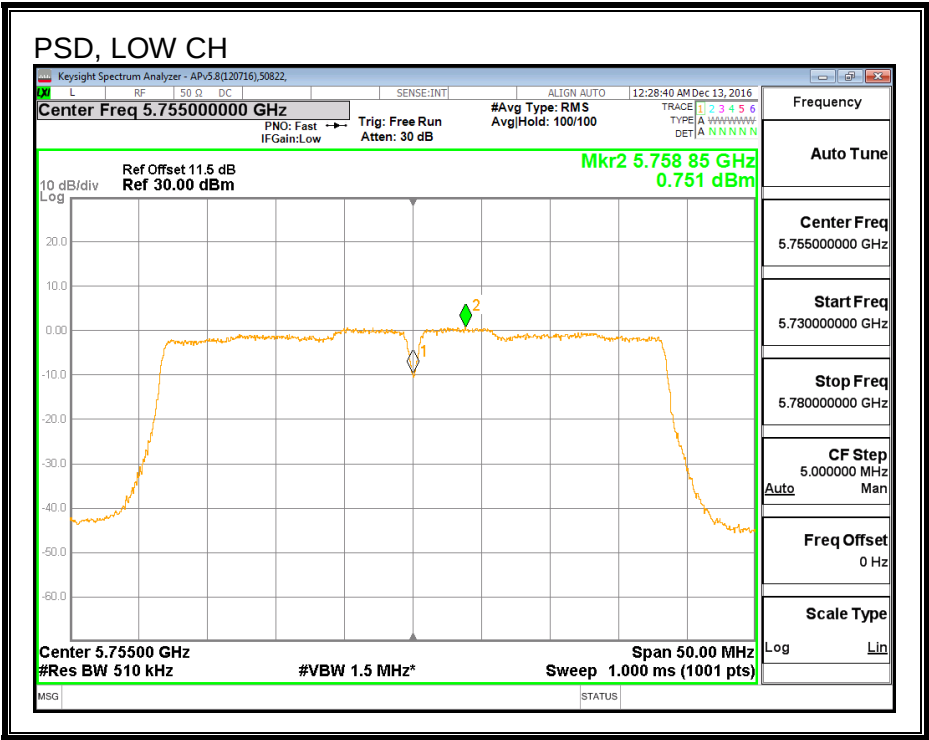
Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm)
Low	5755	6.30	29.70
High	5795	6.30	29.70

Duty Cycle CF (dB)	0.11	Included in Calculations of Corr'd PSD
--------------------	------	--

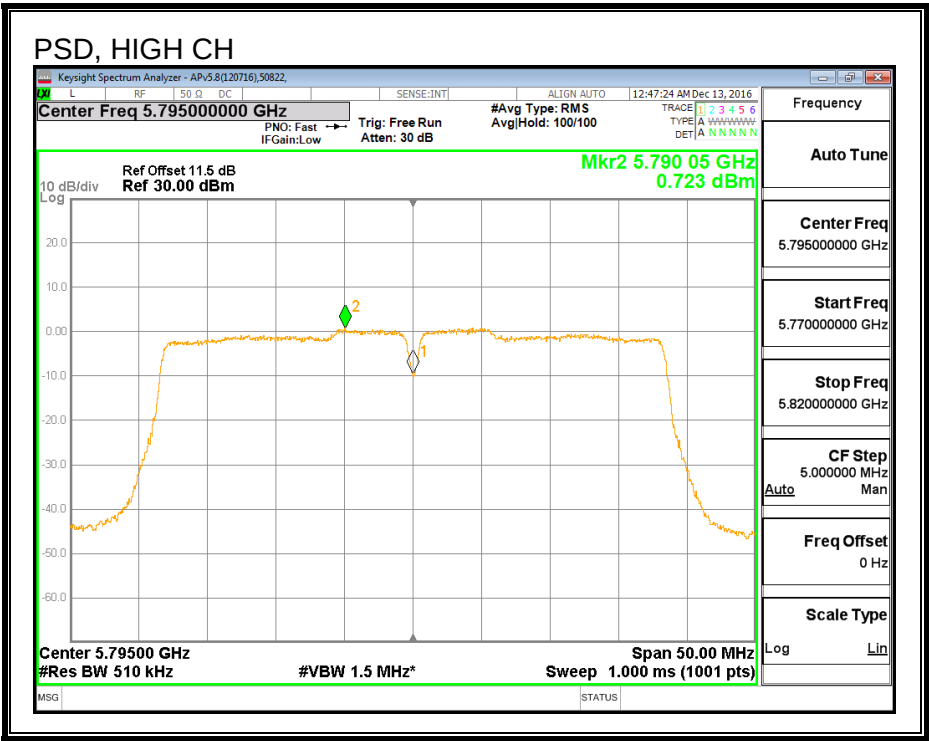
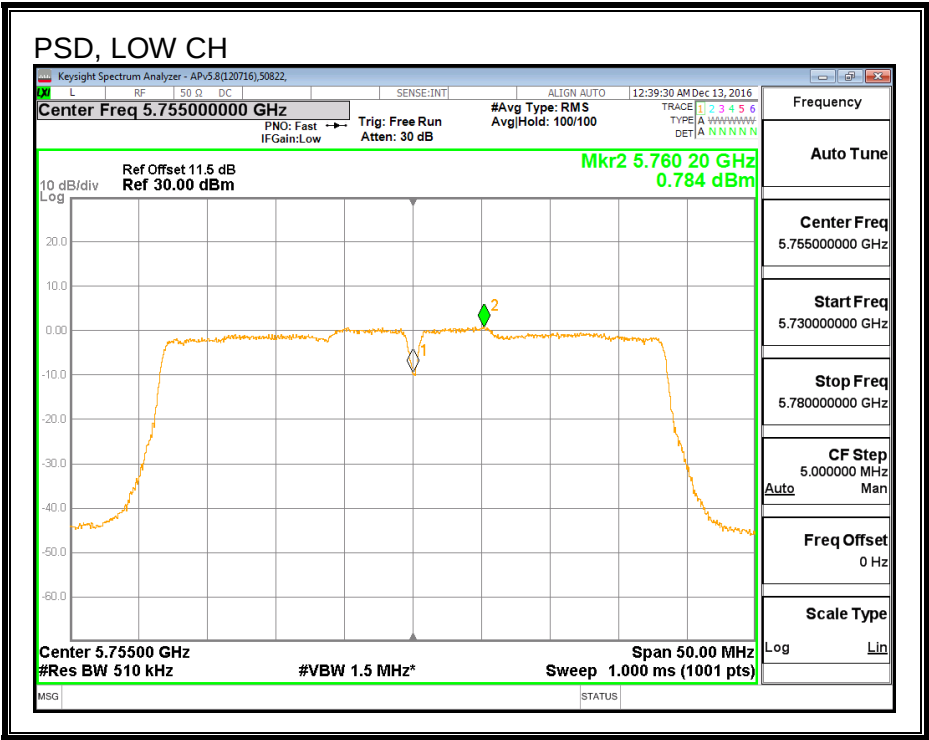
PSD Results

Channel	Frequency (MHz)	Ant A Meas PSD (dBm)	Ant B Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Low	5755	0.75	0.78	3.89	29.70	-25.81
High	5795	0.54	0.72	3.75	29.70	-25.95

PSD, ANTENNA A



PSD, ANTENNA B



8.50. 802.11n HT40 2Tx (ANTENNA A + ANTENNA B) STBC MODE IN THE 5.8 GHz BAND

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

8.51. 802.11ac VHT80 ANTENNA A MODE IN THE 5.8 GHz BAND

8.51.1. 6 dB BANDWIDTH

LIMITS

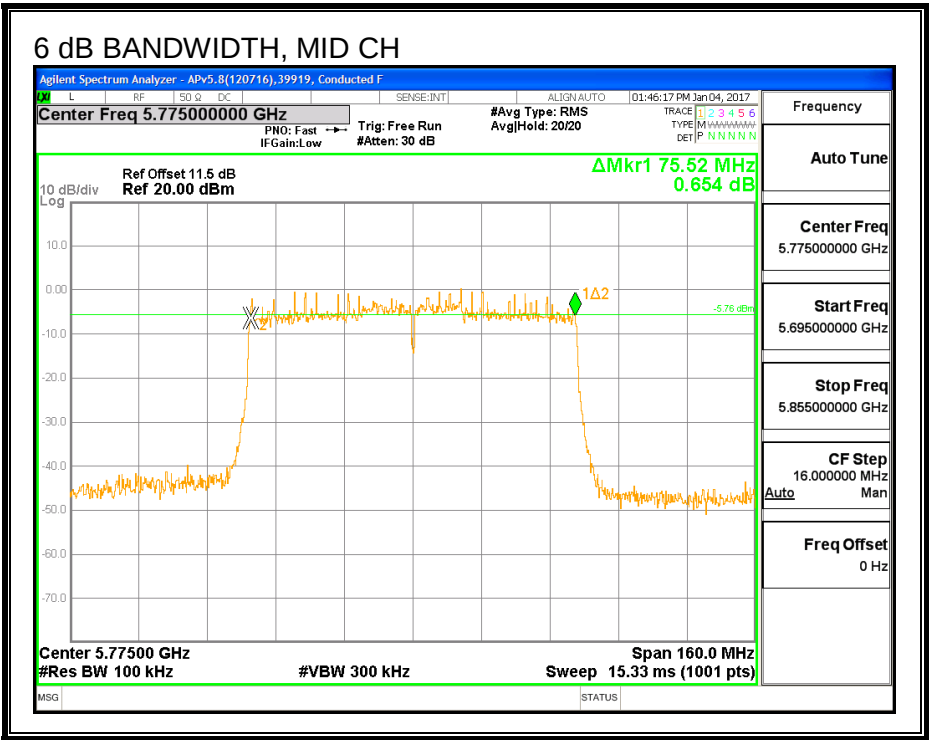
FCC §15.407 (e)

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

RESULTS

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Mid	5775	75.52	0.5

6 dB BANDWIDTH



8.51.2. 26 dB BANDWIDTH

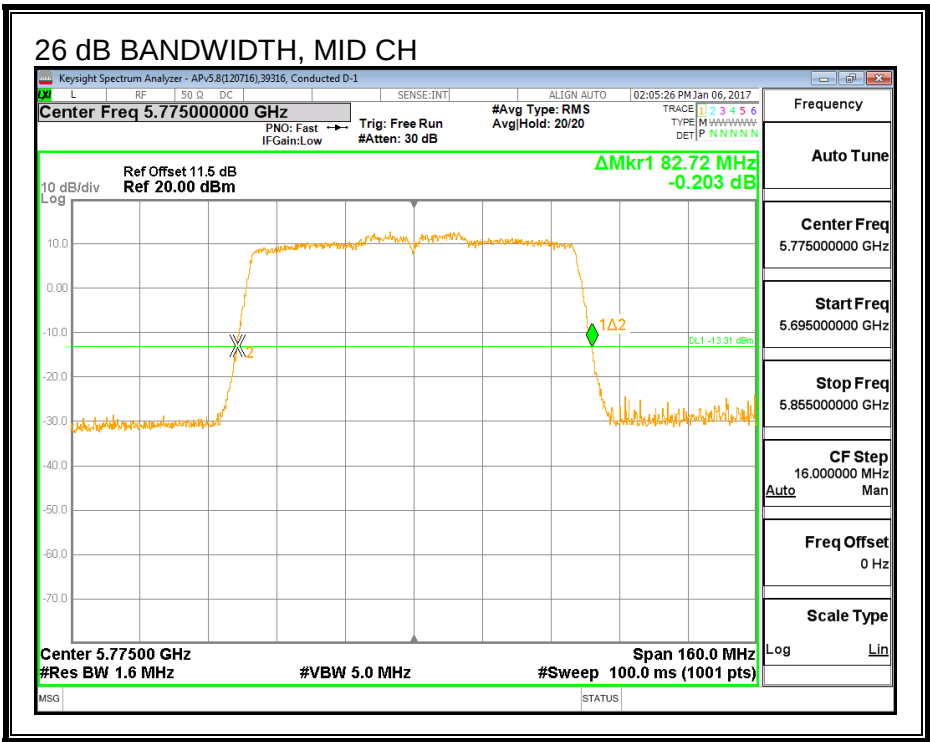
LIMITS

None, for reporting purposes only.

RESULTS

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Mid	5775	82.72

26 dB BANDWIDTH



8.51.3. 99% BANDWIDTH

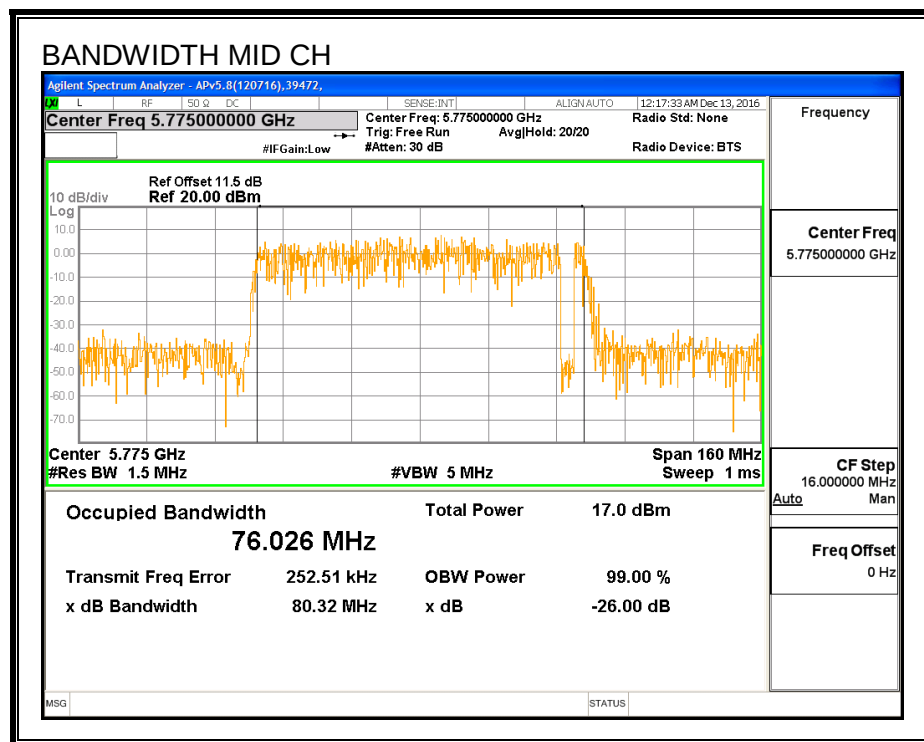
LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Mid	5775	76.026

99% BANDWIDTH



8.51.4. AVERAGE POWER

LIMITS

None; for reporting purposes only.

TEST PROCEDURE

Measurements perform using a wideband gated RF power meter.

RESULTS

ID:	43578	Date:	1/21/17
------------	-------	--------------	---------

Channel	Frequency (MHz)	Power (dBm)
Mid	5775	14.50

8.51.5. OUTPUT POWER

LIMITS

FCC §15.407 (a) (3)

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

TEST PROCEDURE

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

DIRECTIONAL ANTENNA GAIN

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

RESULTS

ID:	43578	Date:	1/21/17
------------	-------	--------------	---------

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)
Mid	5775	3.40	30.00

Output Power Results

Channel	Frequency (MHz)	Ant A Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	14.50	14.50	30.00	-15.50

8.51.6. PSD

LIMITS

FCC §15.407 (a) (3)

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

DIRECTIONAL ANTENNA GAIN

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

RESULTS

Antenna Gain and Limits

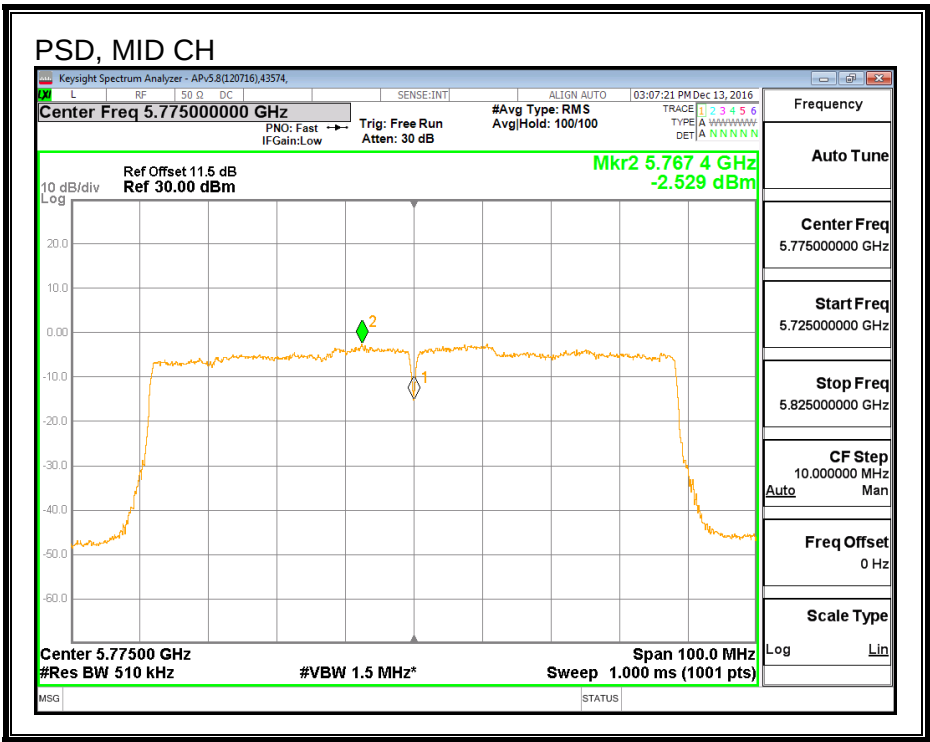
Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm)
Mid	5775	3.40	30.00

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

PSD Results

Channel	Frequency (MHz)	Ant A Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Mid	5775	-2.53	-2.33	30.00	-32.33

PSD



8.52. 802.11ac VHT80 ANTENNA B MODE IN THE 5.8 GHz BAND

8.52.1. 6 dB BANDWIDTH

LIMITS

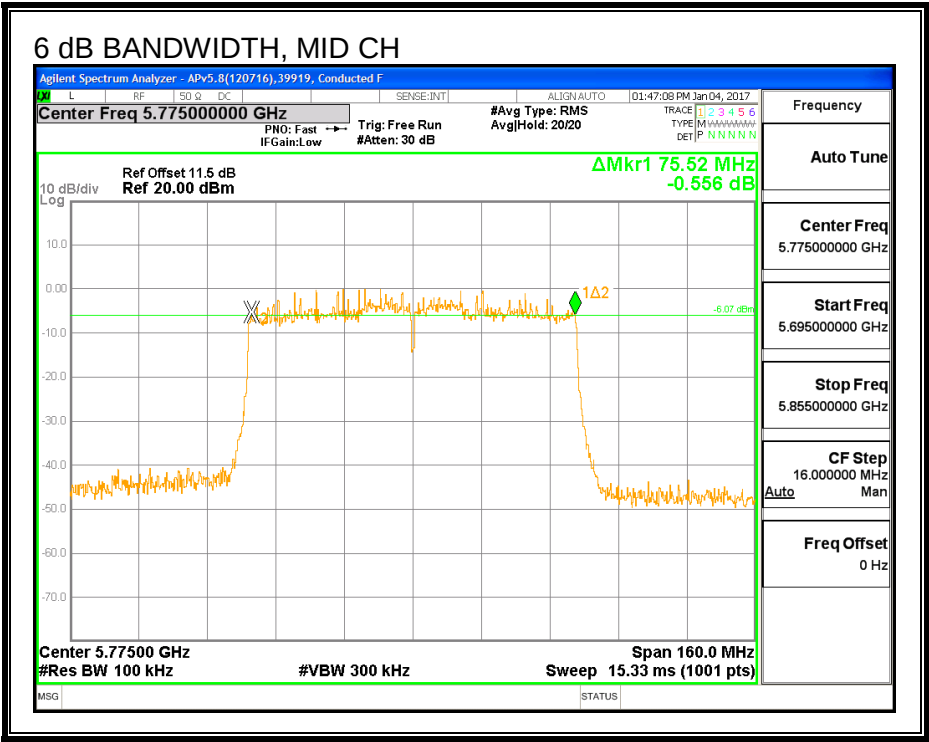
FCC §15.407 (e)

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

RESULTS

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Mid	5775	75.52	0.5

6 dB BANDWIDTH



8.52.2. 26 dB BANDWIDTH

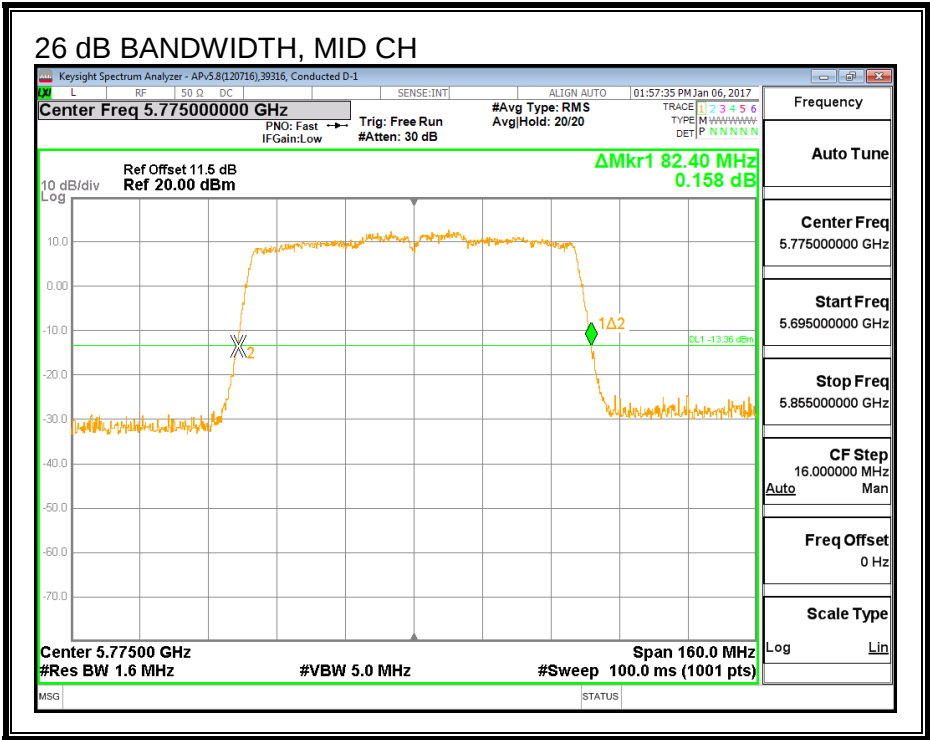
LIMITS

None, for reporting purposes only.

RESULTS

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Mid	5775	82.40

26 dB BANDWIDTH



8.52.3. 99% BANDWIDTH

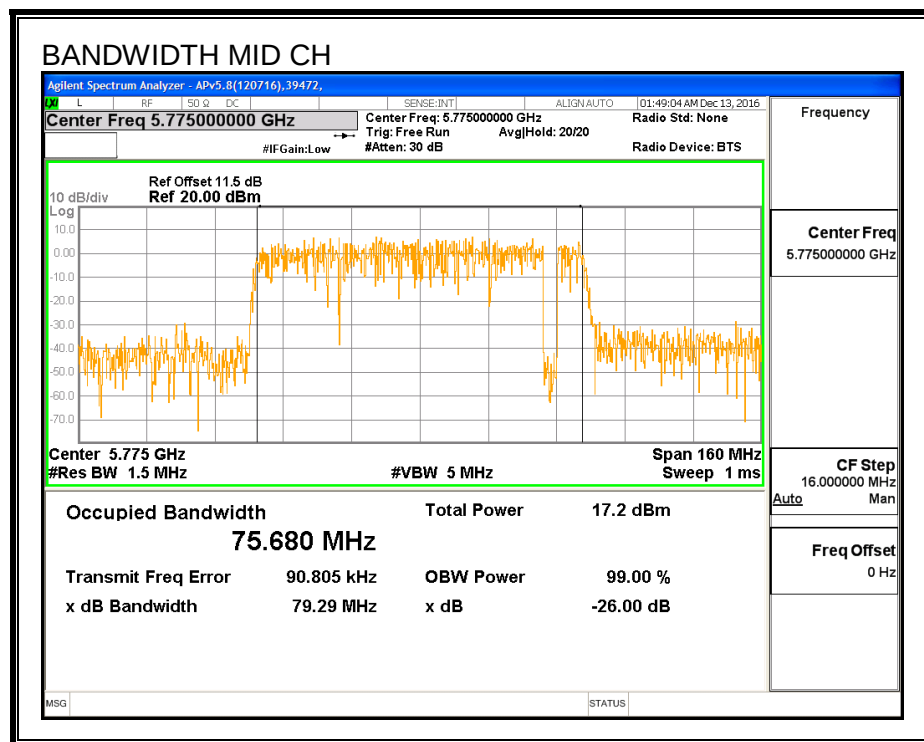
LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Mid	5775	75.680

99% BANDWIDTH



8.52.4. AVERAGE POWER

LIMITS

None; for reporting purposes only.

TEST PROCEDURE

Measurements perform using a wideband gated RF power meter.

RESULTS

ID:	43578	Date:	1/21/17
------------	-------	--------------	---------

Channel	Frequency (MHz)	Power (dBm)
Mid	5775	14.96

8.52.5. OUTPUT POWER

LIMITS

FCC §15.407 (a) (3)

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

TEST PROCEDURE

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

DIRECTIONAL ANTENNA GAIN

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

RESULTS

ID:	43578	Date:	1/21/17
------------	-------	--------------	---------

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)
Mid	5775	3.18	30.00

Output Power Results

Channel	Frequency (MHz)	Ant B Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	14.96	14.96	30.00	-15.04

8.52.6. PSD

LIMITS

FCC §15.407 (a) (3)

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

DIRECTIONAL ANTENNA GAIN

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

RESULTS

Antenna Gain and Limits

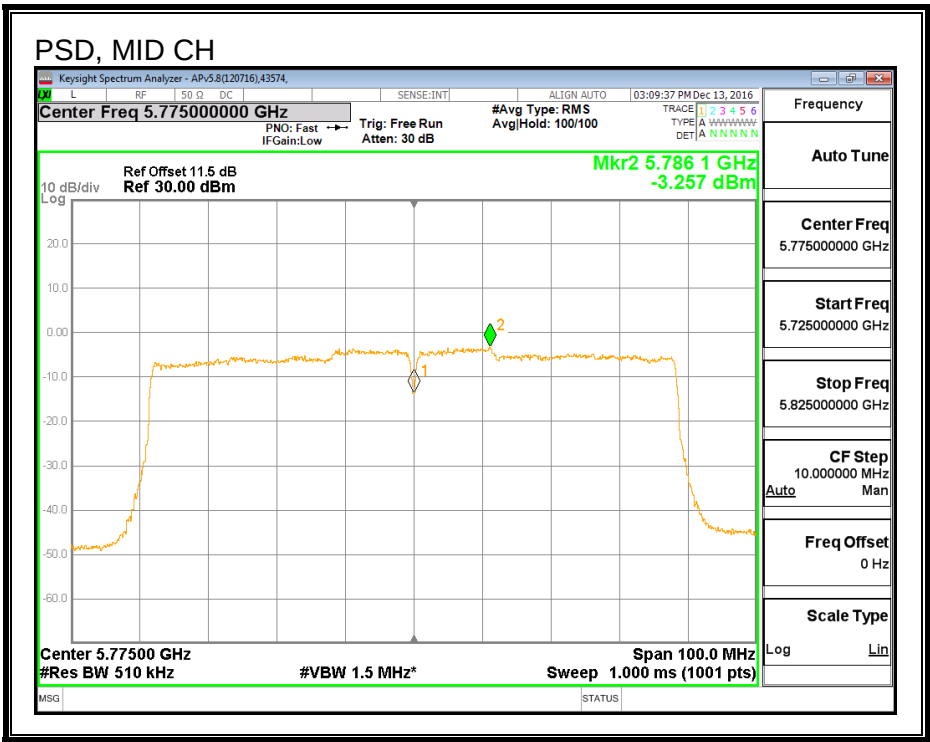
Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm)
Mid	5775	3.18	30.00

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

PSD Results

Channel	Frequency (MHz)	Ant B Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Mid	5775	-3.26	-3.06	30.00	-33.06

PSD



8.53. 802.11ac VHT80 2Tx (ANTENNA A + ANTENNA B) CDD MODE IN THE 5.8 GHz BAND

8.53.1. 6 dB BANDWIDTH

LIMITS

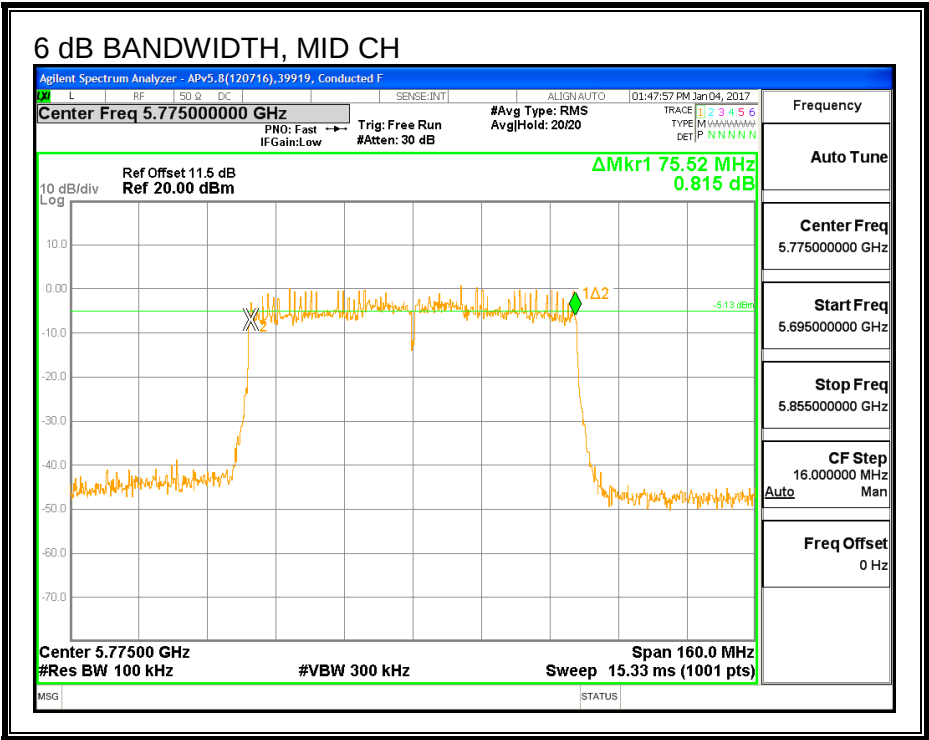
FCC §15.407 (e)

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

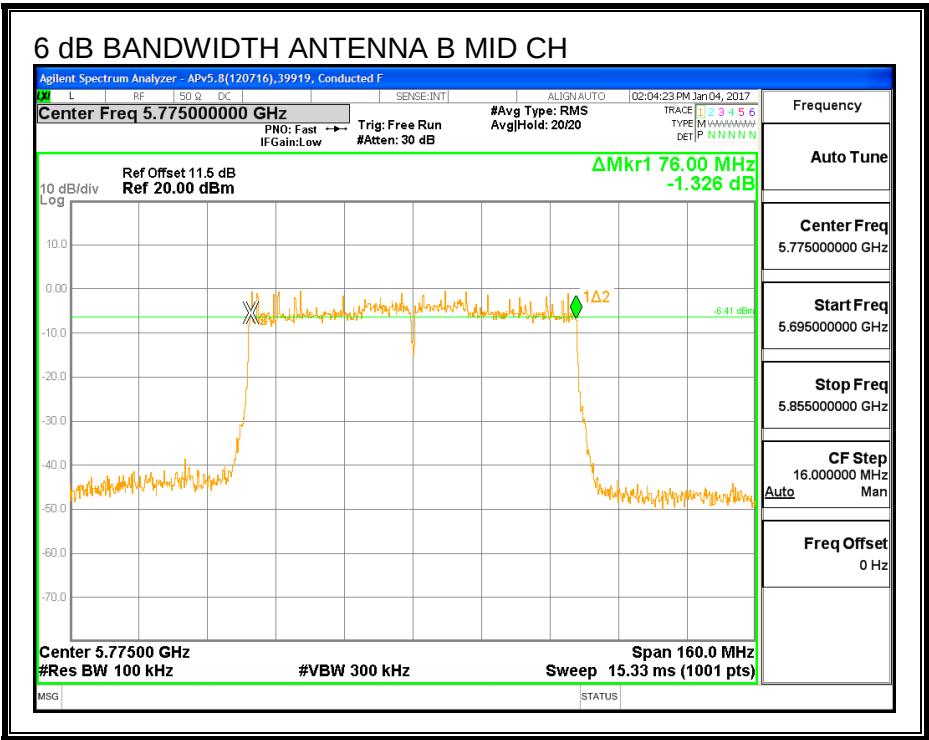
RESULTS

Channel	Frequency (MHz)	6 dB BW Ant A (MHz)	6 dB BW Ant B (MHz)	Minimum Limit (MHz)
Mid	5775	75.52	76.00	0.5

6 dB BANDWIDTH, ANTENNA A



6 DB BANDWIDTH, ANTENNA B



8.53.2. 26 dB BANDWIDTH

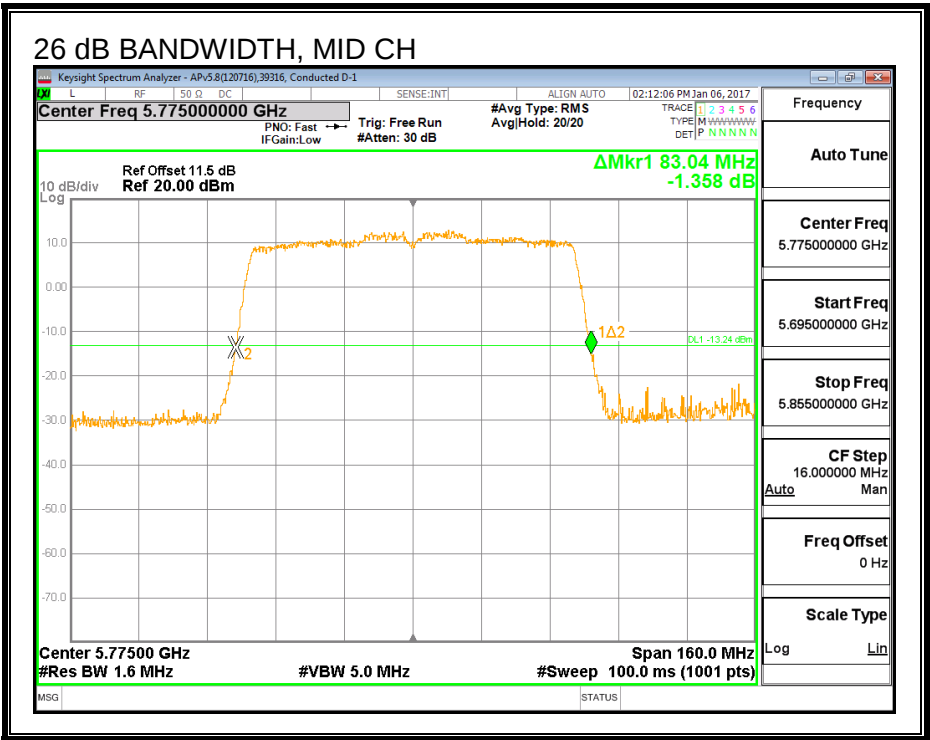
LIMITS

None, for reporting purposes only.

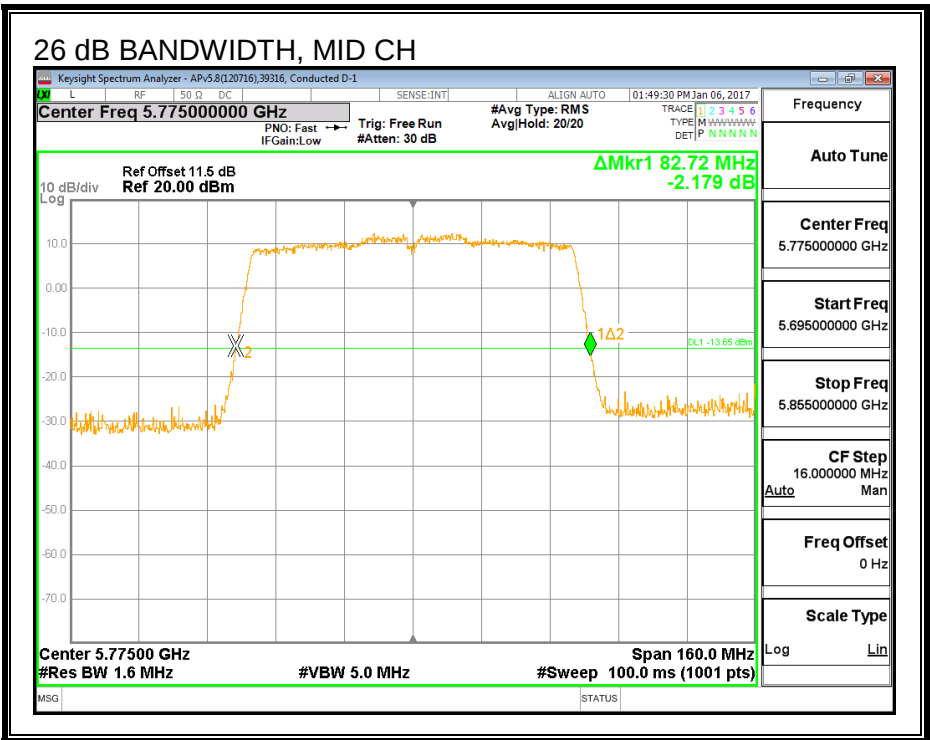
RESULTS

Channel	Frequency (MHz)	26 dB BW Ant A (MHz)	26 dB BW Ant B (MHz)
Mid	5775	83.04	82.72

26 dB BANDWIDTH, ANTENNA A



26 dB BANDWIDTH, ANTENNA B



8.53.3. 99% BANDWIDTH

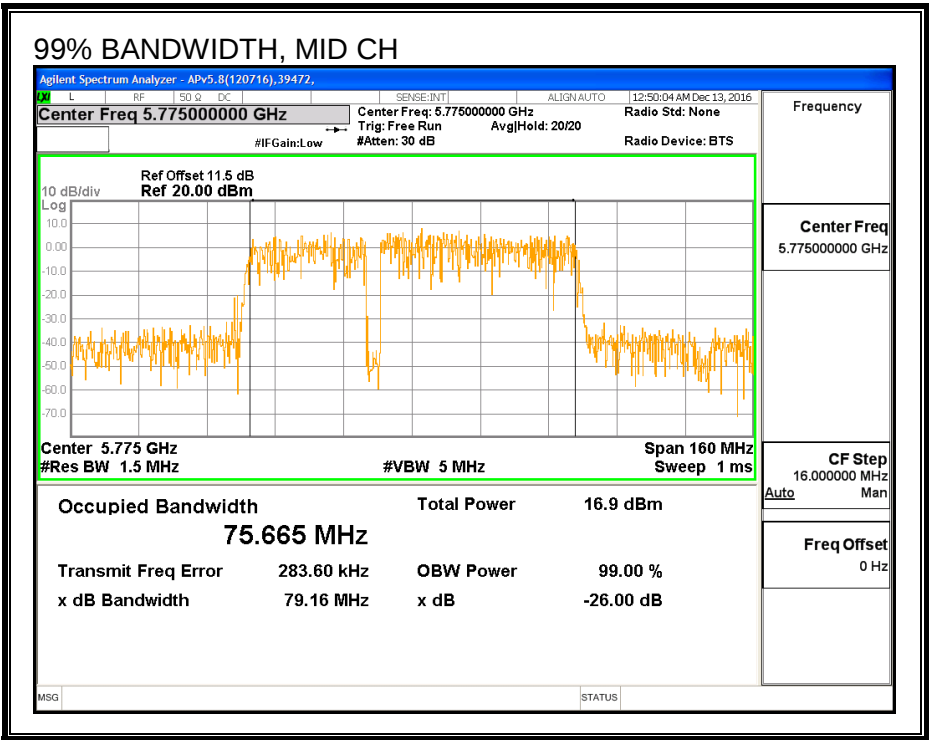
LIMITS

None; for reporting purposes only.

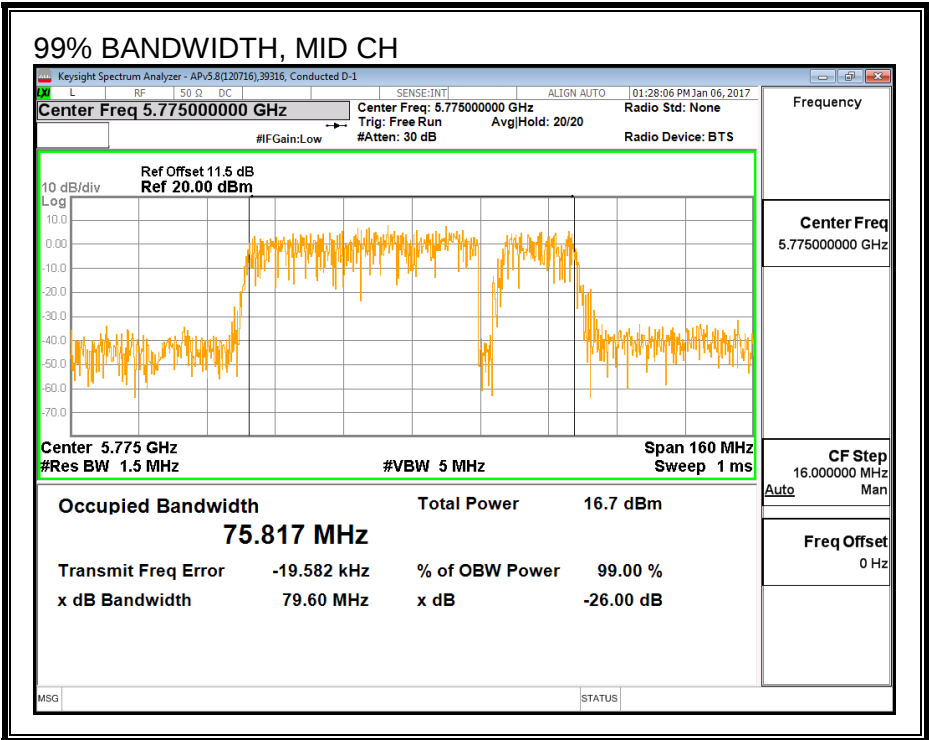
RESULTS

Channel	Frequency (MHz)	99% BW	99% BW
		Ant A (MHz)	Ant B (MHz)
Mid	5775	75.665	75.817

99% BANDWIDTH, ANTENNA A



99% BANDWIDTH, ANTENNA B



8.53.4. AVERAGE POWER

LIMITS

None; for reporting purposes only.

TEST PROCEDURE

Measurements perform using a wideband gated RF power meter.

RESULTS

ID:	43578	Date:	1/21/17
------------	-------	--------------	---------

Channel	Frequency (MHz)	Ant A Power (dBm)	Ant B Power (dBm)	Total Power (dBm)
Mid	5775	14.50	14.94	17.74

8.53.5. OUTPUT POWER

LIMITS

FCC §15.407 (a) (3)

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

TEST PROCEDURE

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

DIRECTIONAL ANTENNA GAIN

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

Ant A Antenna Gain (dBi)	Ant B Antenna Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)
3.40	3.18	3.29

RESULTS

ID:	43578	Date:	1/21/17
------------	-------	--------------	---------

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)
Mid	5775	3.29	30.00

Output Power Results

Channel	Frequency (MHz)	Ant A Meas Power (dBm)	Ant B Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	14.50	14.94	17.74	30.00	-12.26

8.53.6. PSD

LIMITS

FCC §15.407 (a) (3)

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

DIRECTIONAL ANTENNA GAIN

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

Ant A Antenna Gain (dBi)	Ant B Antenna Gain (dBi)	Correlated Chains Directional Gain (dBi)
3.40	3.18	6.30

RESULTS

Antenna Gain and Limit

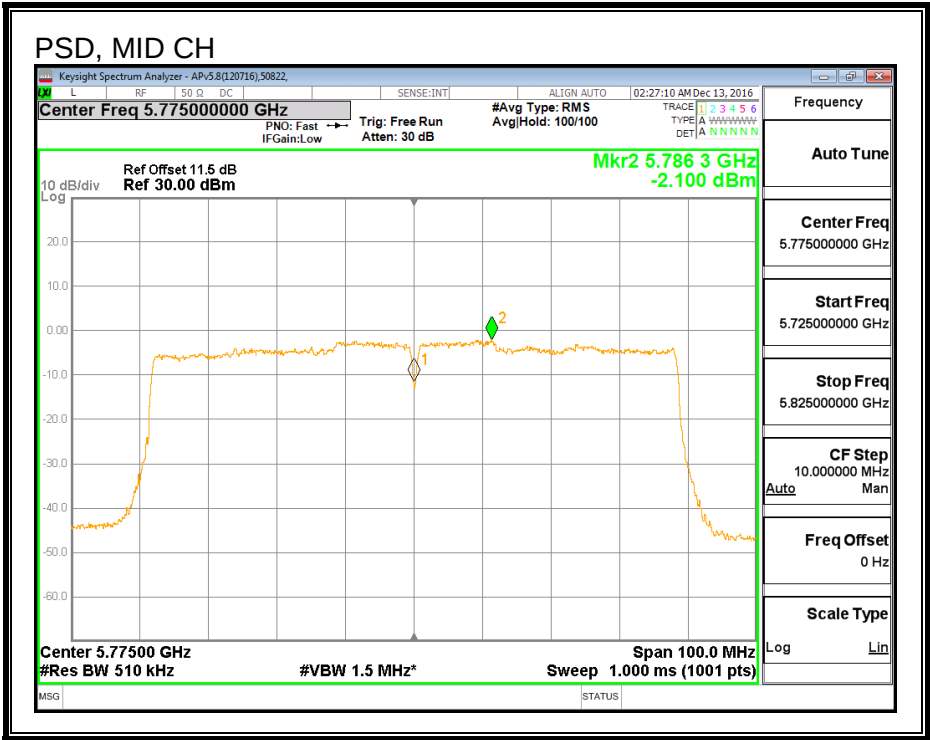
Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm)
Mid	5775	6.30	29.70

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

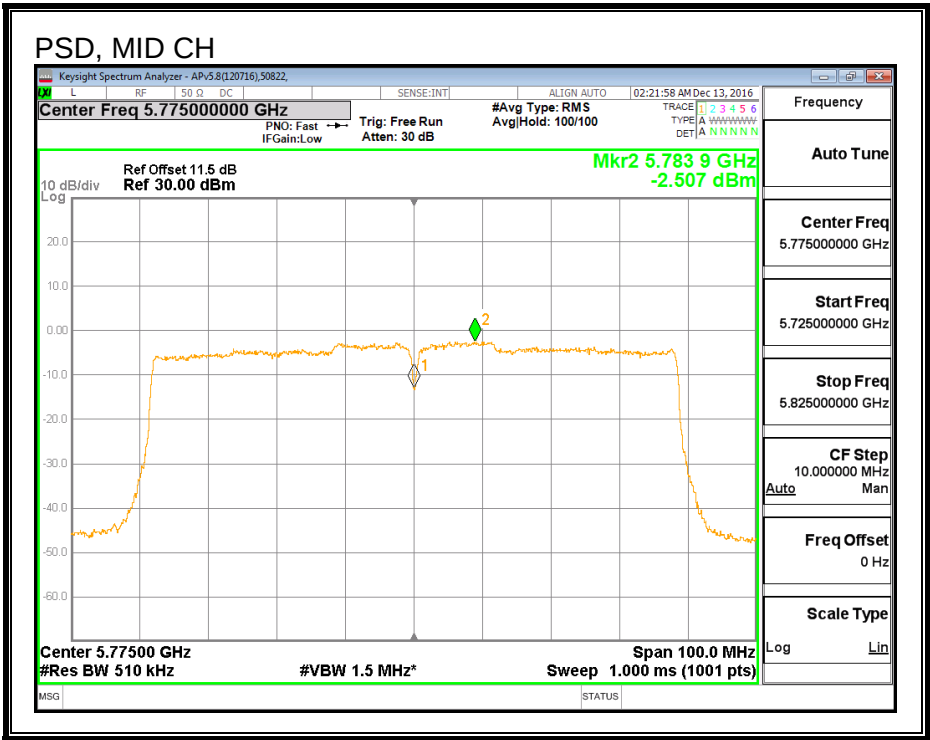
PSD Results

Channel	Frequency (MHz)	Ant A Meas PSD (dBm)	Ant B Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Mid	5775	-2.10	-2.51	0.91	29.70	-28.79

PSD, ANTENNA A



PSD, ANTENNA B



8.54. 802.11ac VHT80 2Tx (ANTENNA A + ANTENNA B) STBC MODE IN THE 5.8 GHz BAND

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

9. RADIATED 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.

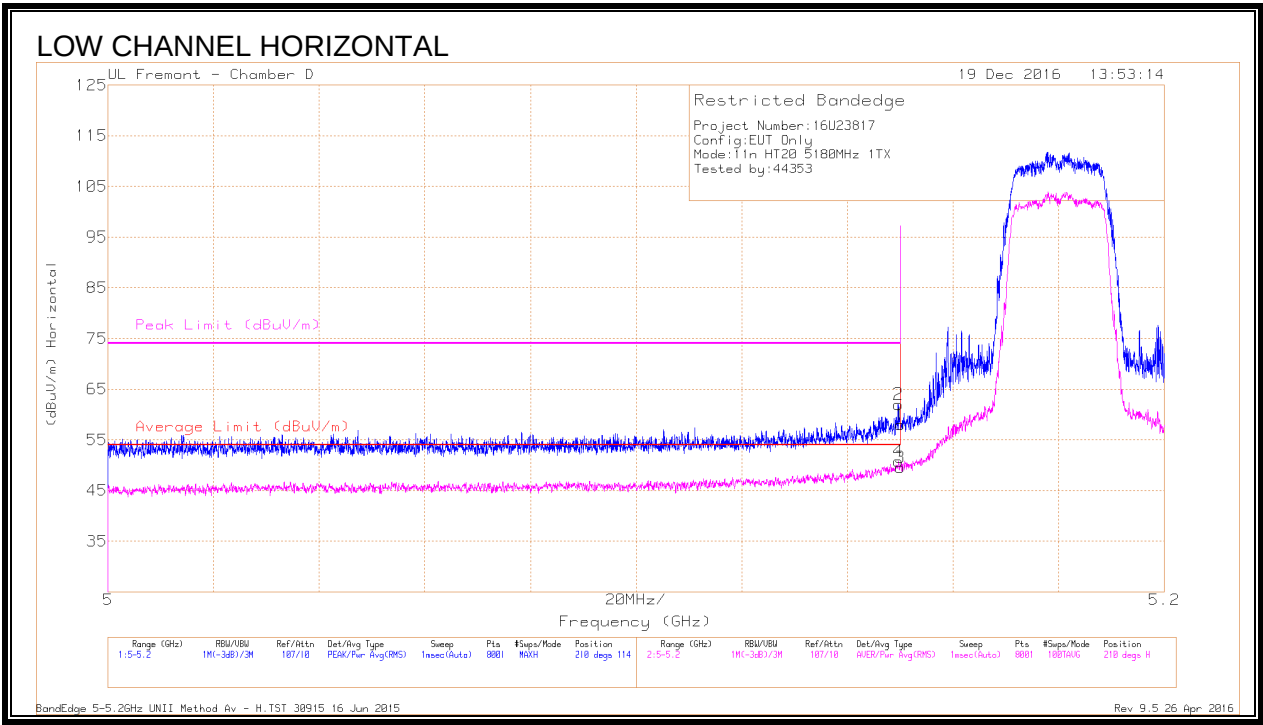
The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized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

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

9.2. TRANSMITTER ABOVE 1 GHz

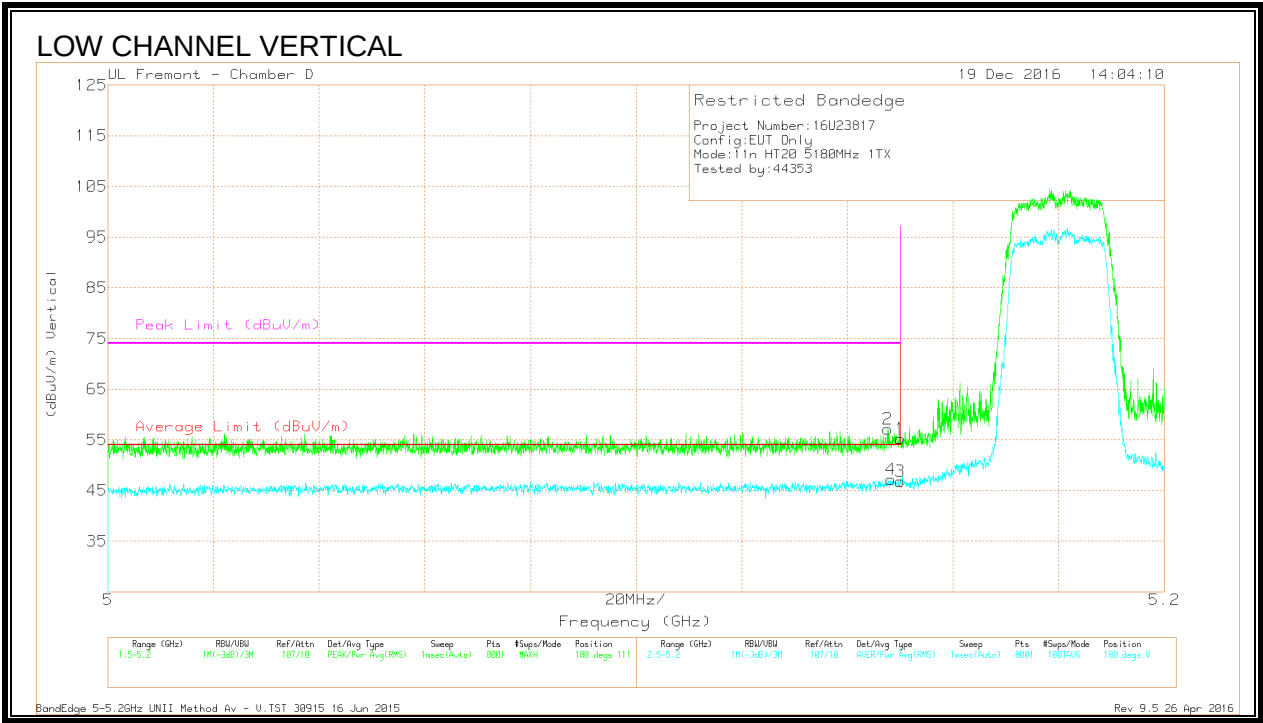
9.2.1. 11n HT20 ANTENNA A SISO MODE IN THE 5.2GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filt/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.15	46.32	Pk	34.1	-18.4	62.02	-	-	74	-11.98	210	114	H
4	* 5.15	35.07	RMS	34.1	-18.4	50.77	54	-3.23	-	-	210	114	H
1	5.15	42.25	Pk	34.1	-18.4	57.95	-	-	74	-16.05	210	114	H
3	5.15	33.84	RMS	34.1	-18.4	49.54	54	-4.46	-	-	210	114	H

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

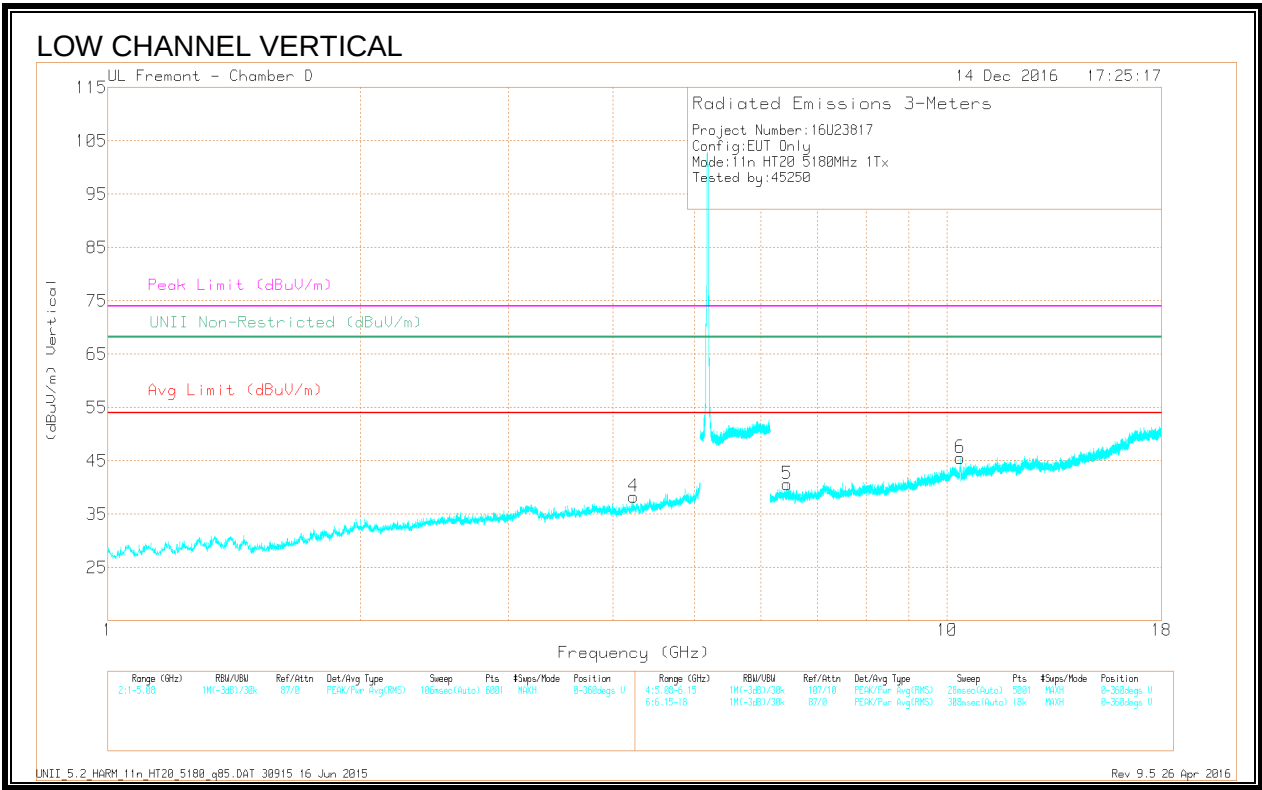
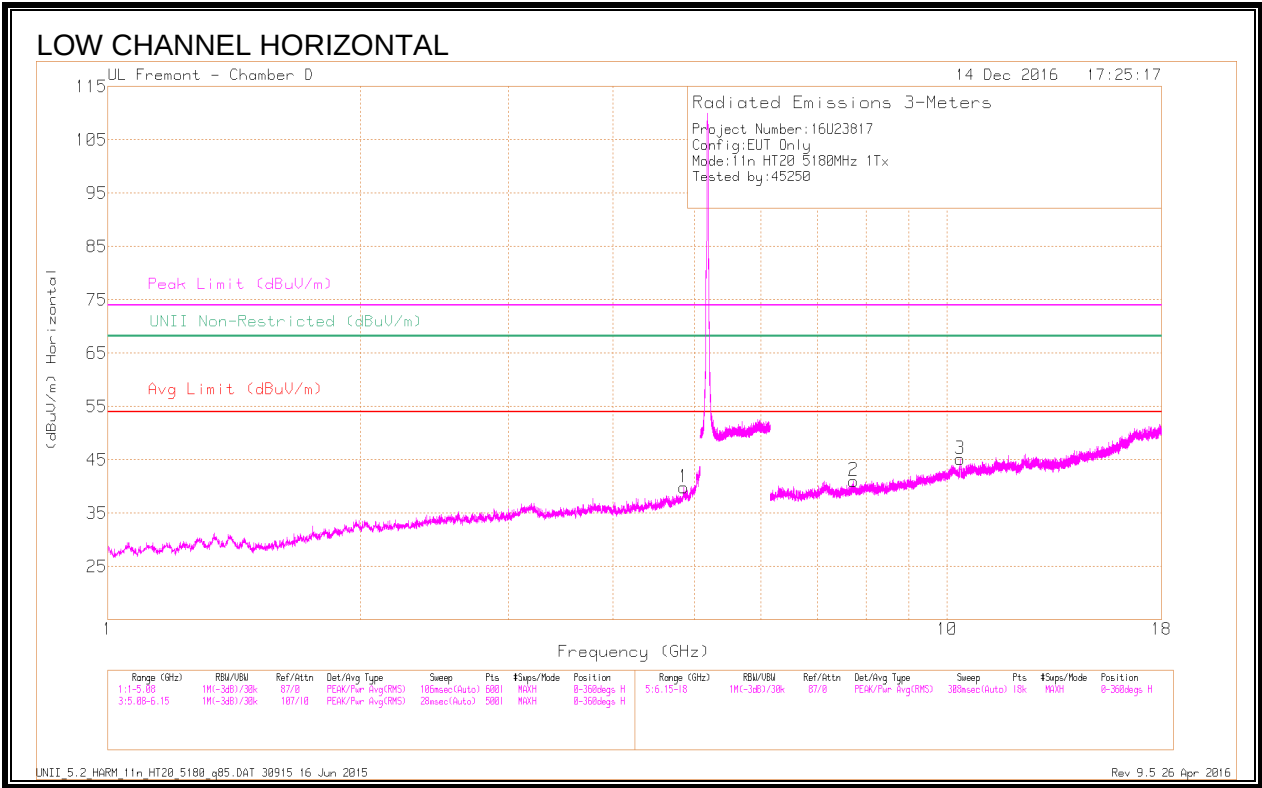


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Fitr/Pa d (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.148	41.39	Pk	34.1	-18.4	57.09	-	-	74	-16.91	180	111	V
4	* 5.148	31.46	RMS	34.1	-18.4	47.16	54	-6.84	-	-	180	111	V
1	5.15	39.59	Pk	34.1	-18.4	55.29	-	-	74	-18.71	180	111	V
3	5.15	31.11	RMS	34.1	-18.4	46.81	54	-7.19	-	-	180	111	V

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

Pk - Peak detector

RMS - RMS detection



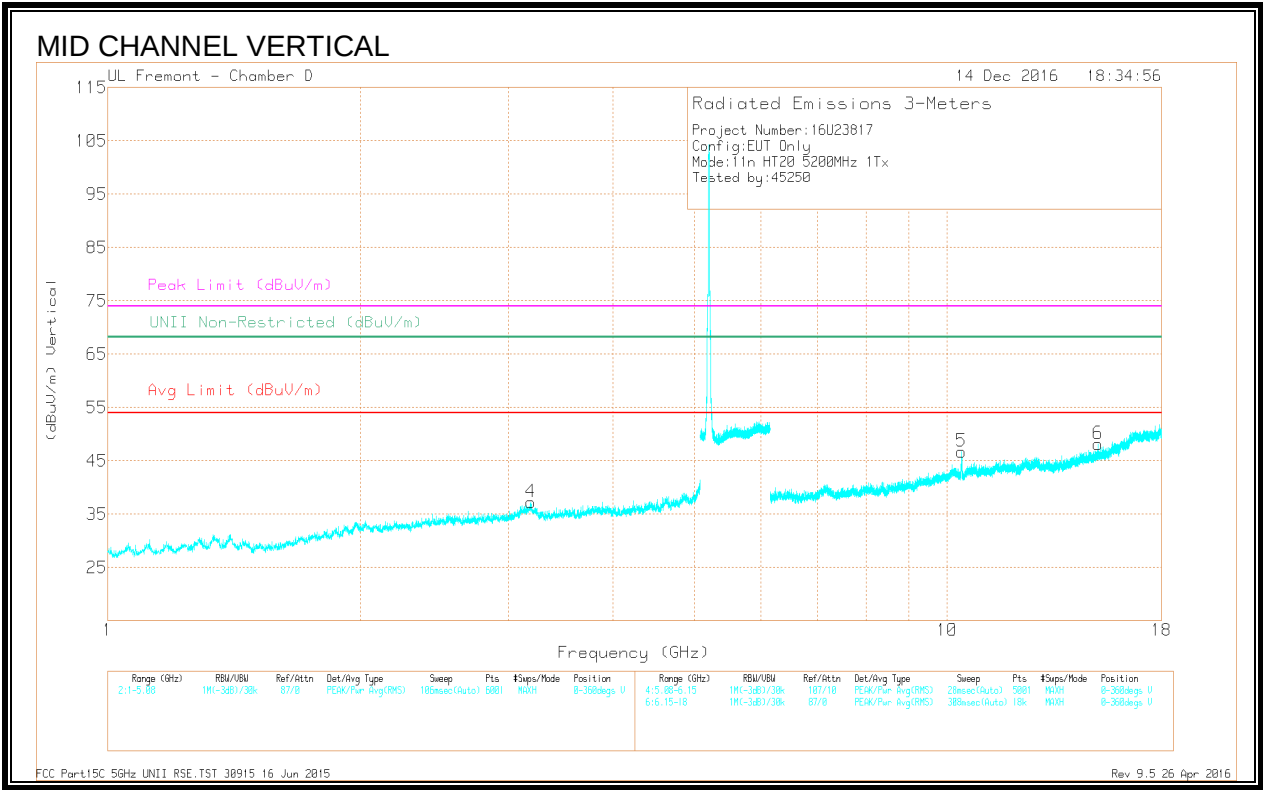
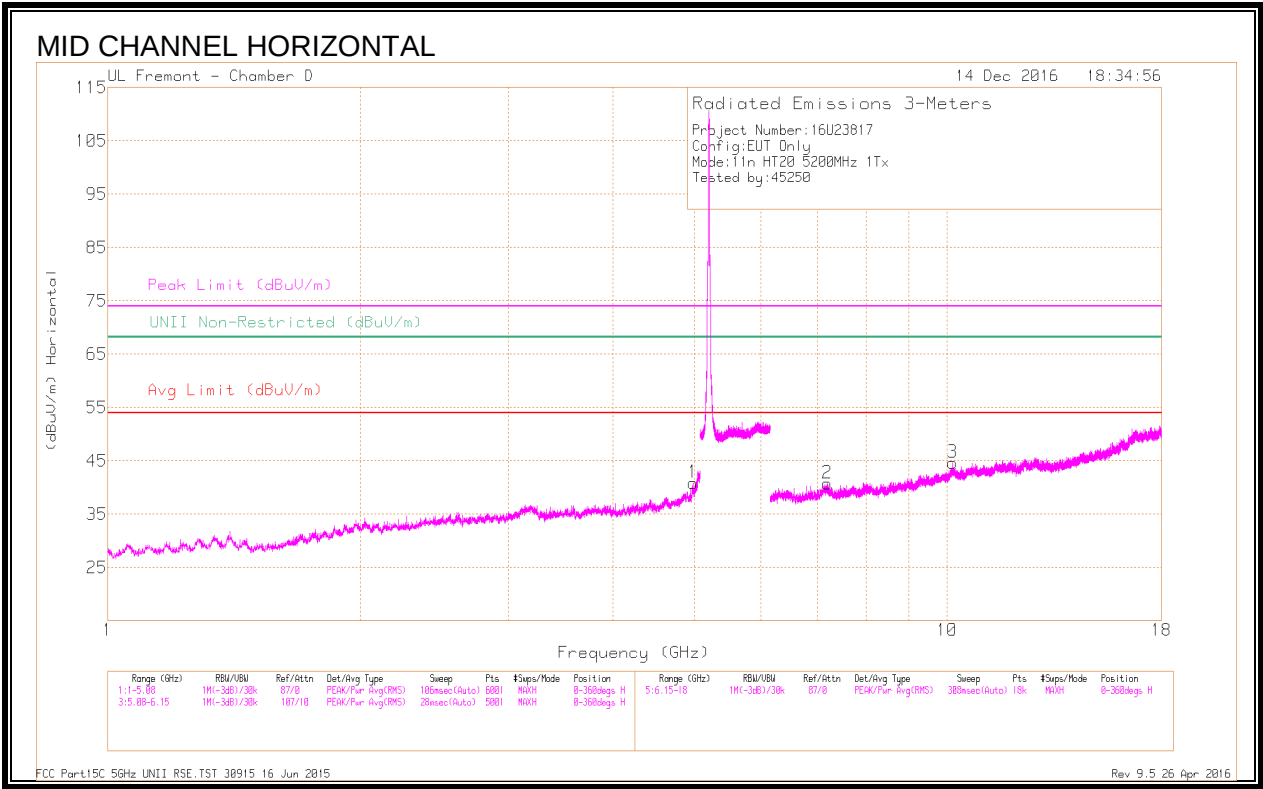
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1712 (dB/m)	Amp/Cb/Pttr/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	* 4.856	37.73	PK-U	34.1	-25.8	46.03	-	-	74	-27.97	-	-	19	134	H
	* 4.857	26.15	ADR	34.1	-25.7	34.55	54	-19.45	-	-	-	-	19	134	H
2	* 7.732	35.33	PK-U	35.8	-24.3	46.83	-	-	74	-27.17	-	-	7	220	H
	* 7.731	24.48	ADR	35.8	-24.3	35.98	54	-18.02	-	-	-	-	7	220	H
3	10.36	37.83	PK-U	37.6	-21.5	53.93	-	-	-	-	68.2	-14.27	5	308	H
4	* 4.231	38.37	PK-U	33.5	-27.5	44.37	-	-	74	-29.63	-	-	299	282	V
	* 4.228	26.68	ADR	33.5	-27.6	32.58	54	-21.42	-	-	-	-	299	282	V
5	6.45	36.98	PK-U	35.7	-26.1	46.58	-	-	-	-	68.2	-21.62	234	273	V
6	10.359	39.01	PK-U	37.6	-21.5	55.11	-	-	-	-	68.2	-13.09	334	220	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



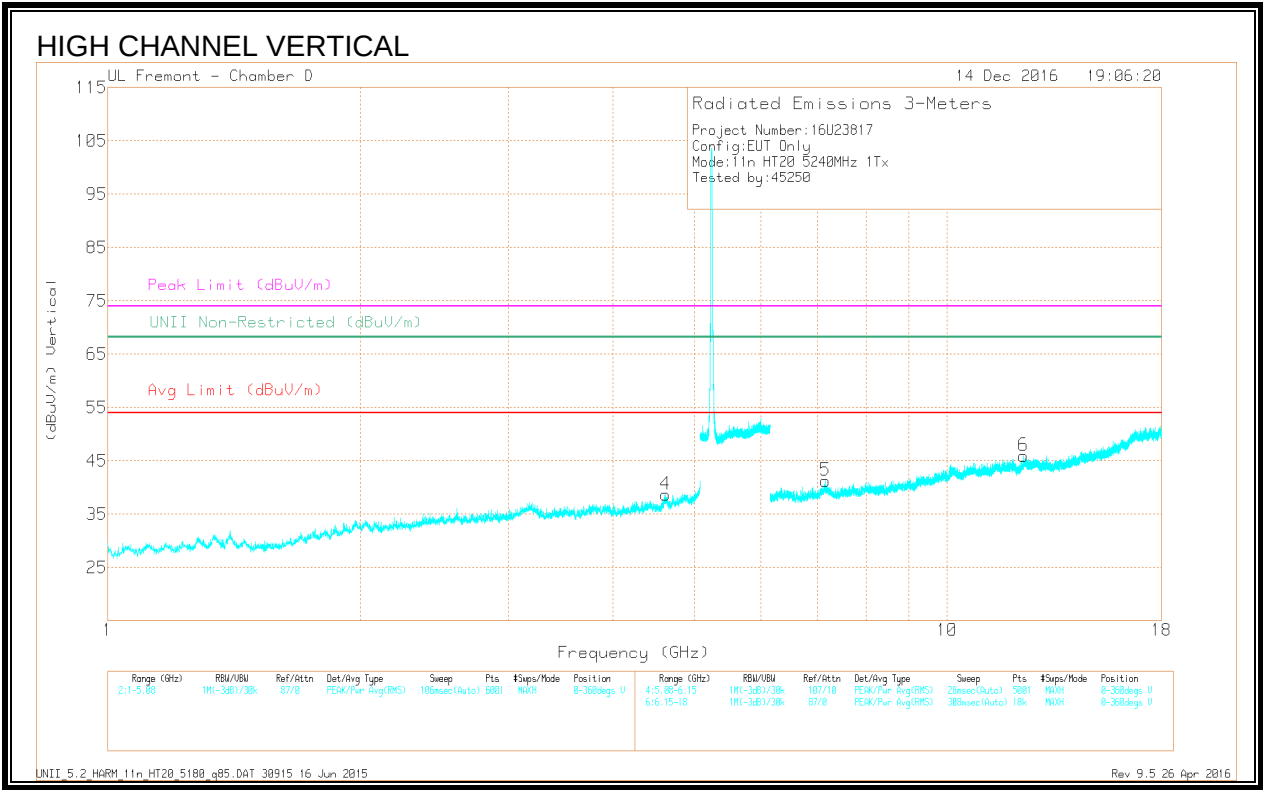
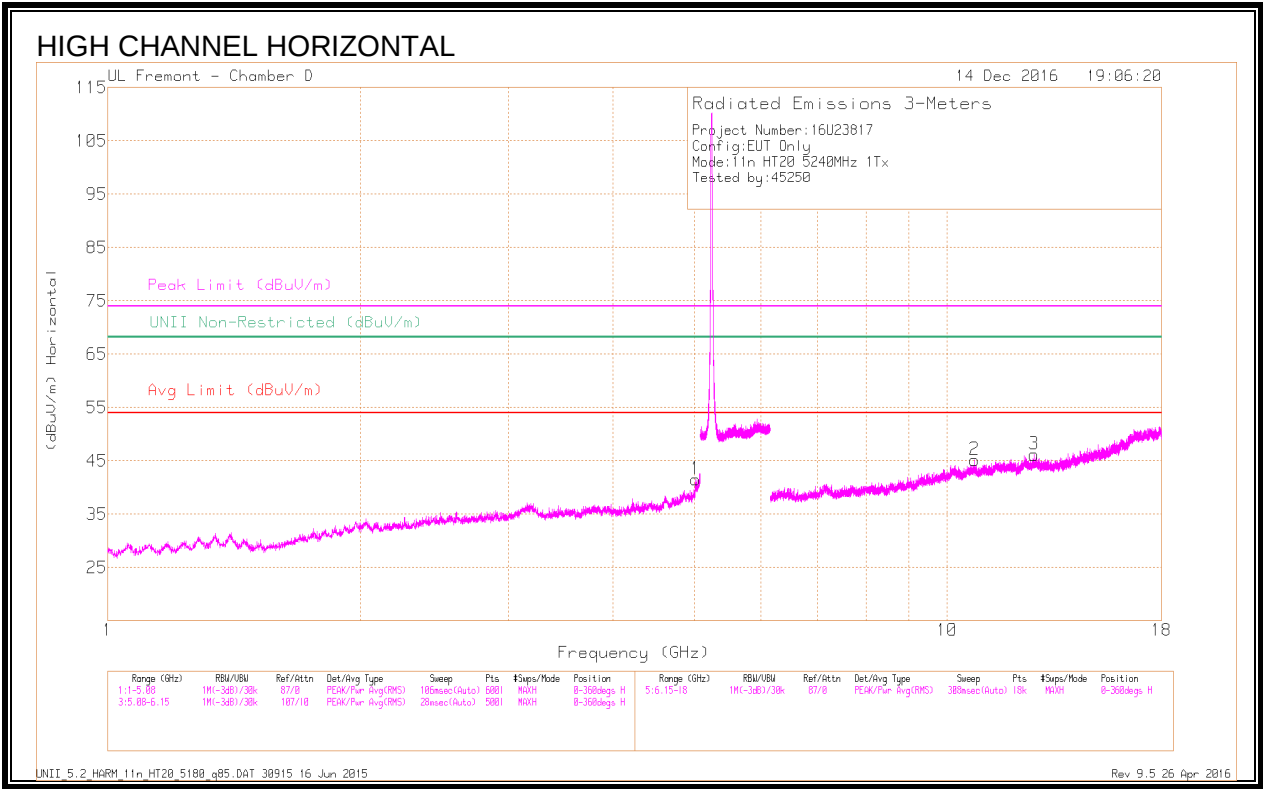
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cb/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.978	40.84	PK-U	34	-26.7	48.14	-	-	74	-25.86	-	-	41	136	H
	* 4.978	30.45	ADR	34	-26.7	37.75	54	-16.25	-	-	-	-	41	136	H
2	7.19	35.48	PK-U	35.7	-23.8	47.38	-	-	-	-	68.2	-20.82	337	377	H
3	10.16	33.65	PK-U	37.4	-20.4	50.65	-	-	-	-	68.2	-17.55	333	120	H
4	3.188	39.03	PK-U	33.9	-29.1	43.83	-	-	-	-	68.2	-24.37	63	140	V
5	10.395	39.44	PK-U	37.6	-21.6	55.44	-	-	-	-	68.2	-12.76	84	269	V
6	15.125	34.98	PK-U	39.9	-20.7	54.18	-	-	-	-	68.2	-14.02	295	152	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



Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.019	40.48	PK-U	34	-26.3	48.18	-	-	74	-25.82	-	-	46	129	H
	* 5.021	29.76	ADR	34	-26.1	37.66	54	-16.34	-	-	-	-	46	129	H
2	* 10.781	33.71	PK-U	37.9	-20.6	51.01	-	-	74	-22.99	-	-	273	356	H
	* 10.781	22.94	ADR	37.9	-20.6	40.24	54	-13.76	-	-	-	-	273	356	H
3	* 12.687	35.27	PK-U	39.2	-22	52.47	-	-	74	-21.53	-	-	250	333	H
	* 12.688	24.48	ADR	39.2	-22	41.68	54	-12.32	-	-	-	-	250	333	H
4	* 4.622	38.11	PK-U	34.1	-26.9	45.31	-	-	74	-28.69	-	-	65	149	V
	* 4.619	27.39	ADR	34.1	-26.9	34.59	54	-19.41	-	-	-	-	65	149	V
5	7.162	35.48	PK-U	35.7	-24	47.18	-	-	-	-	68.2	-21.02	252	334	V
6	* 12.337	34.45	PK-U	39	-21.1	52.35	-	-	74	-21.65	-	-	294	310	V
	* 12.336	24.67	ADR	39	-21.2	42.47	54	-11.53	-	-	-	-	294	310	V

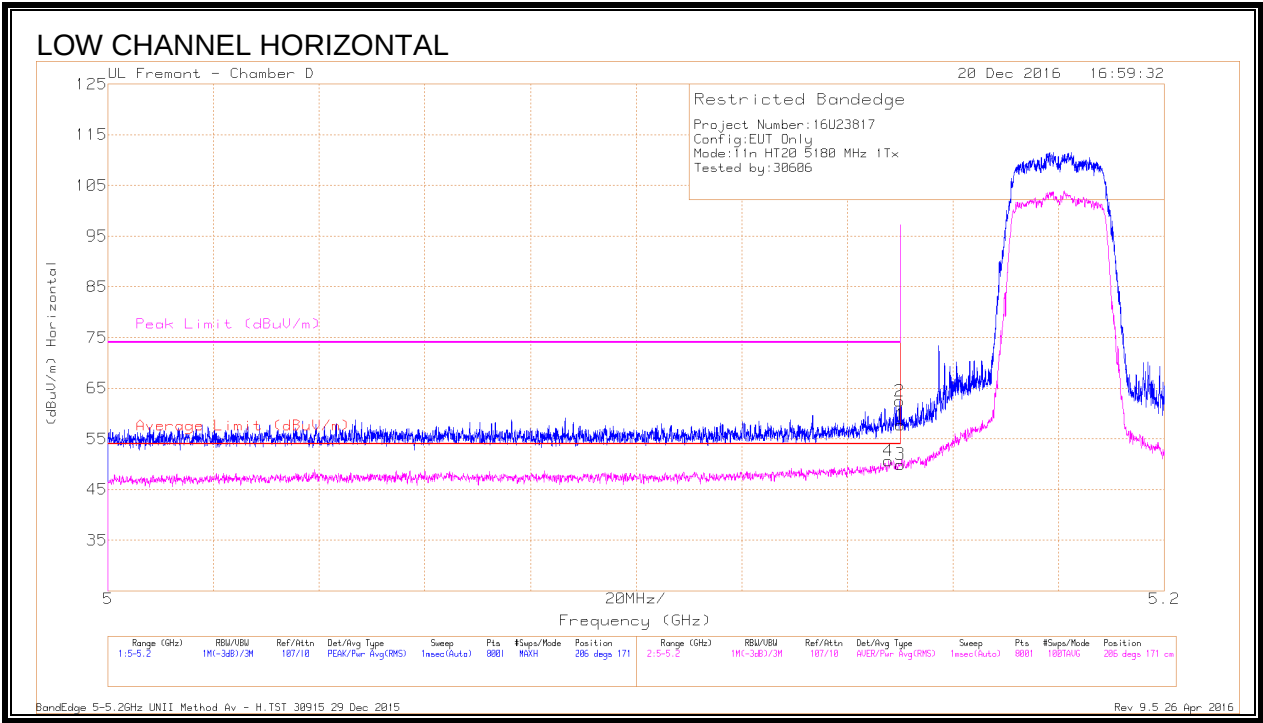
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

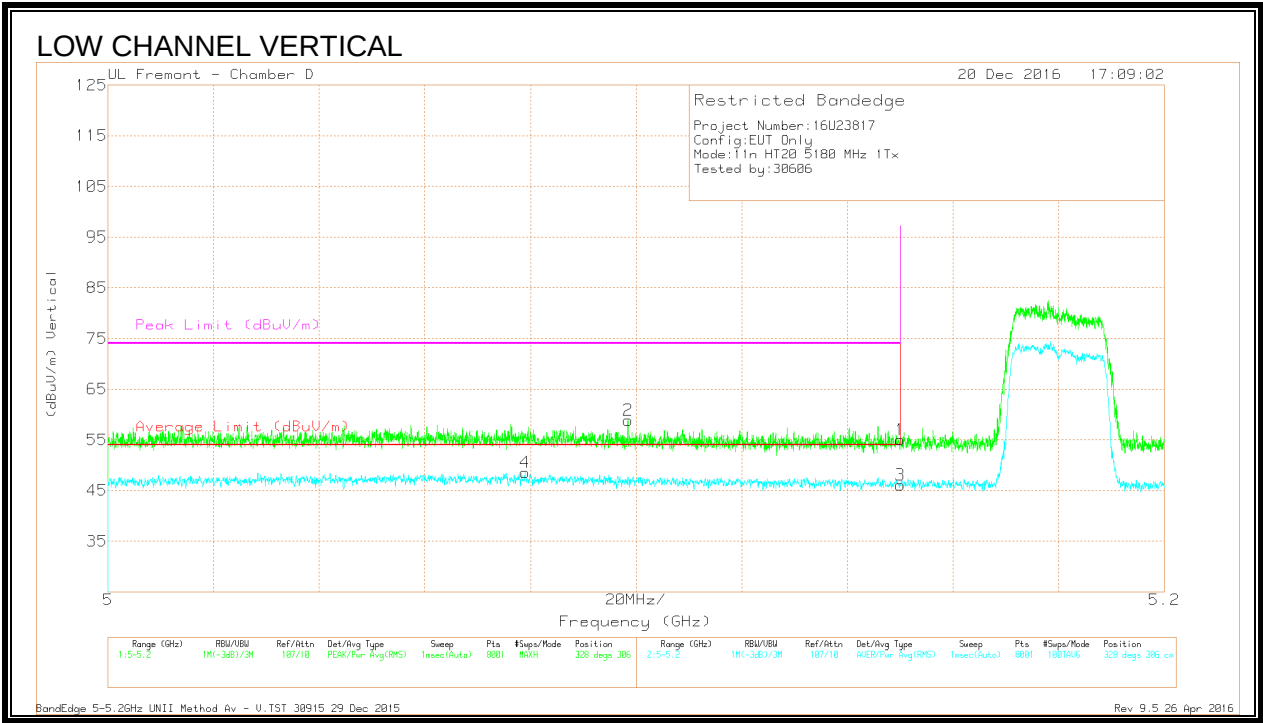
9.2.2. 11n HT20 ANTENNA B SISO MODE IN THE 5.2GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (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
2	* 5.15	46.73	Pk	34.1	-18.4	62.43	-	-	74	-11.57	206	171	H
4	* 5.148	34.99	RMS	34.1	-18.4	50.69	54	-3.31	-	-	206	171	H
1	5.15	41.99	Pk	34.1	-18.4	57.69	-	-	74	-16.31	206	171	H
3	5.15	34.28	RMS	34.1	-18.4	49.98	54	-4.02	-	-	206	171	H

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

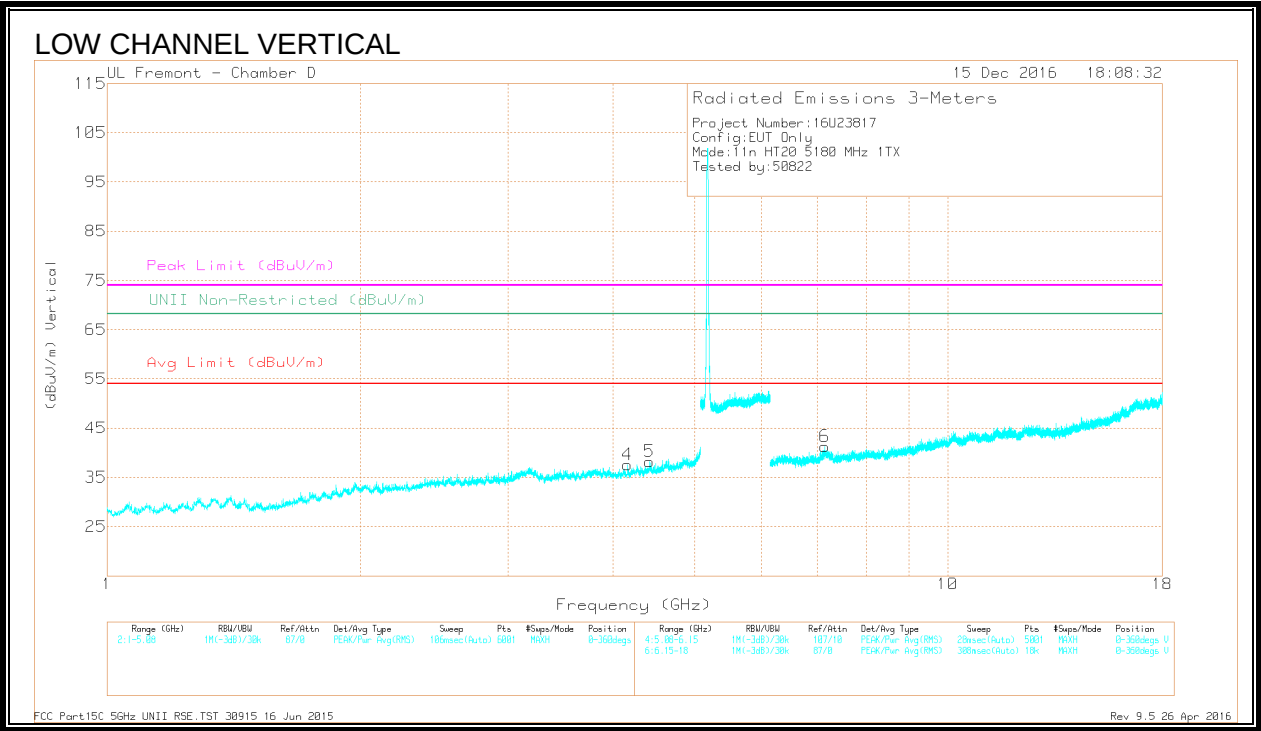
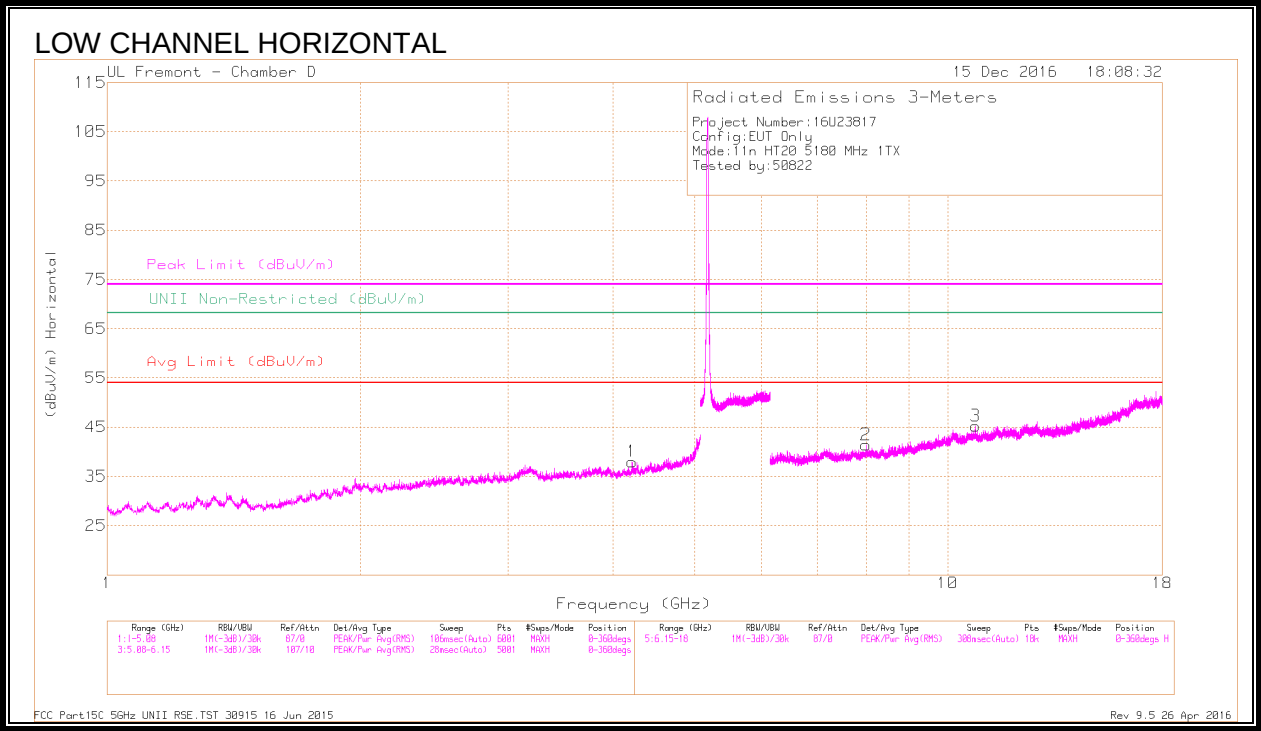


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtz/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.098	43.19	Pk	34	-18.3	58.89	-	-	74	-15.11	328	306	V
4	* 5.079	32.78	RMS	34	-18.2	48.58	54	-5.42	-	-	328	306	V
1	5.15	39.36	Pk	34.1	-18.4	55.06	-	-	74	-18.94	328	306	V
3	5.15	30.42	RMS	34.1	-18.4	46.12	54	-7.88	-	-	328	306	V

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

Pk - Peak detector

RMS - RMS detection



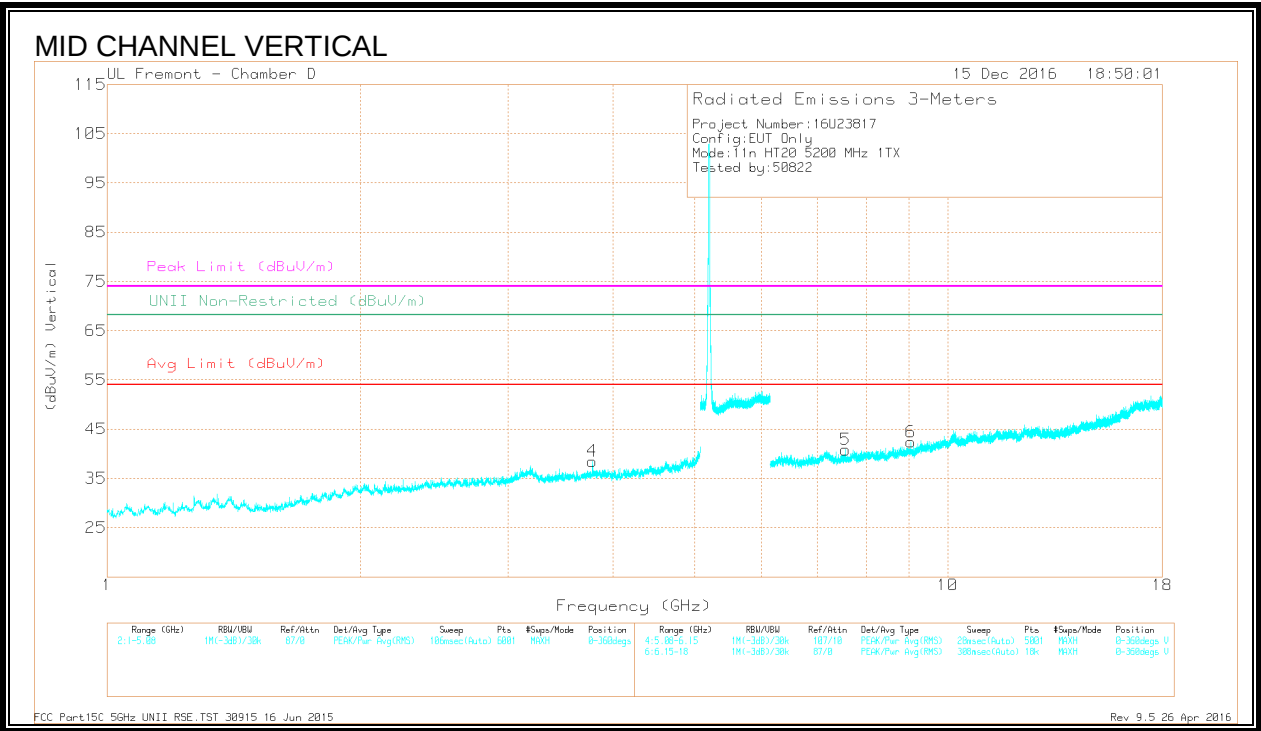
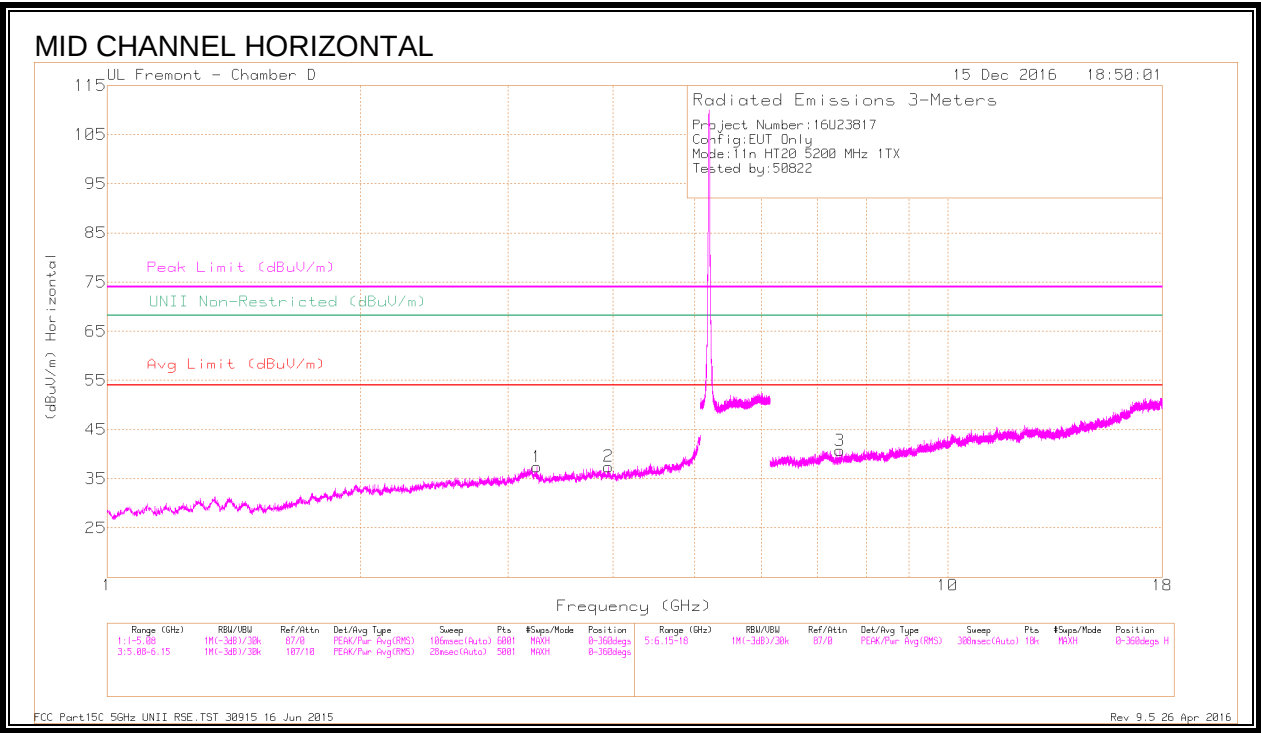
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cb/Ftr/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	* 4.211	37.66	PK-U	33.5	-27.9	43.26	-	-	74	-30.74	-	-	160	190	H
	* 4.213	27.14	ADR	33.5	-27.8	32.84	54	-21.16	-	-	-	-	160	190	H
2	7.995	35.52	PK-U	35.9	-24	47.42	-	-	-	-	68.2	-20.78	43	104	H
3	* 10.789	33.75	PK-U	37.9	-20.5	51.15	-	-	74	-22.85	-	-	324	386	H
	* 10.788	23.04	ADR	37.9	-20.5	40.44	54	-13.56	-	-	-	-	324	386	H
4	* 4.16	38.46	PK-U	33.5	-28.3	43.66	-	-	74	-30.34	-	-	163	292	V
	* 4.164	27.41	ADR	33.5	-28.3	32.61	54	-21.39	-	-	-	-	163	292	V
5	4.417	27.79	ADR	33.9	-27.3	34.39	-	-	-	-	-	-	163	102	V
	4.419	38.08	PK-U	33.9	-27.3	44.68	-	-	-	-	68.2	-23.52	163	102	V
6	7.137	25.49	ADR	35.8	-23.9	37.39	-	-	-	-	-	-	324	201	V
	7.138	35.91	PK-U	35.8	-23.9	47.81	-	-	-	-	68.2	-20.39	324	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



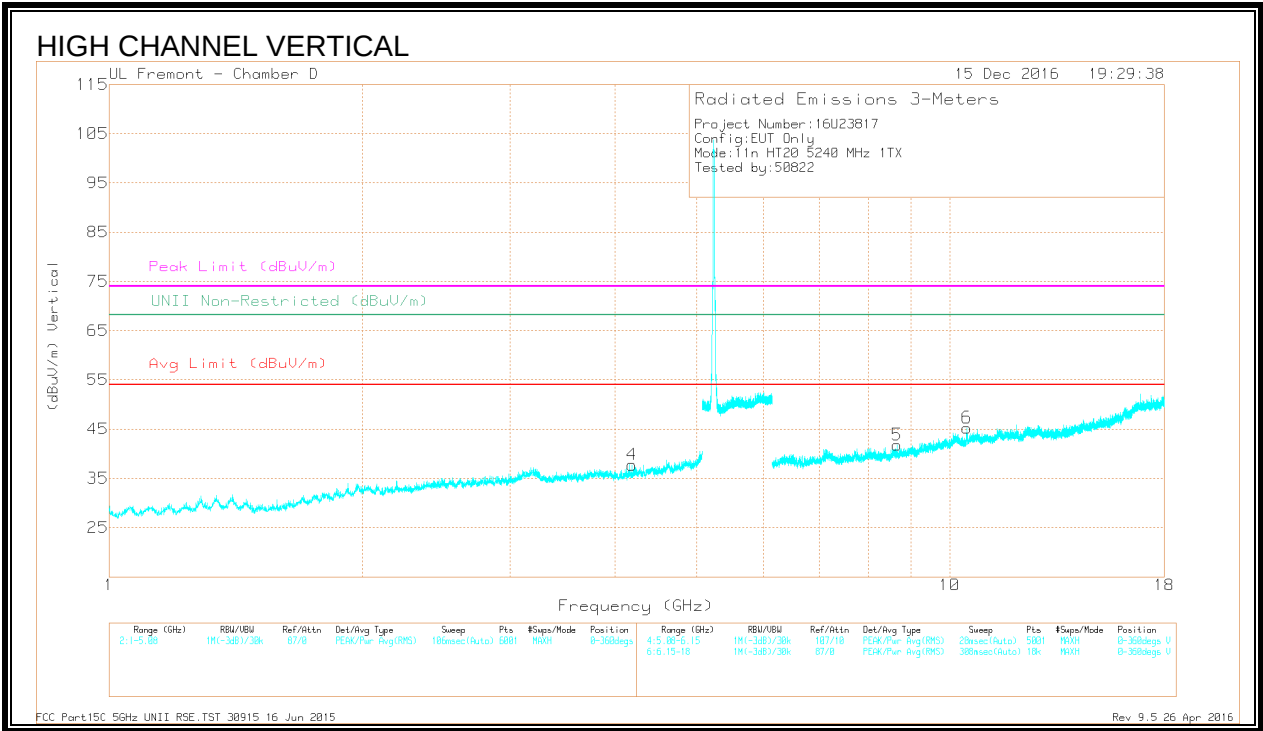
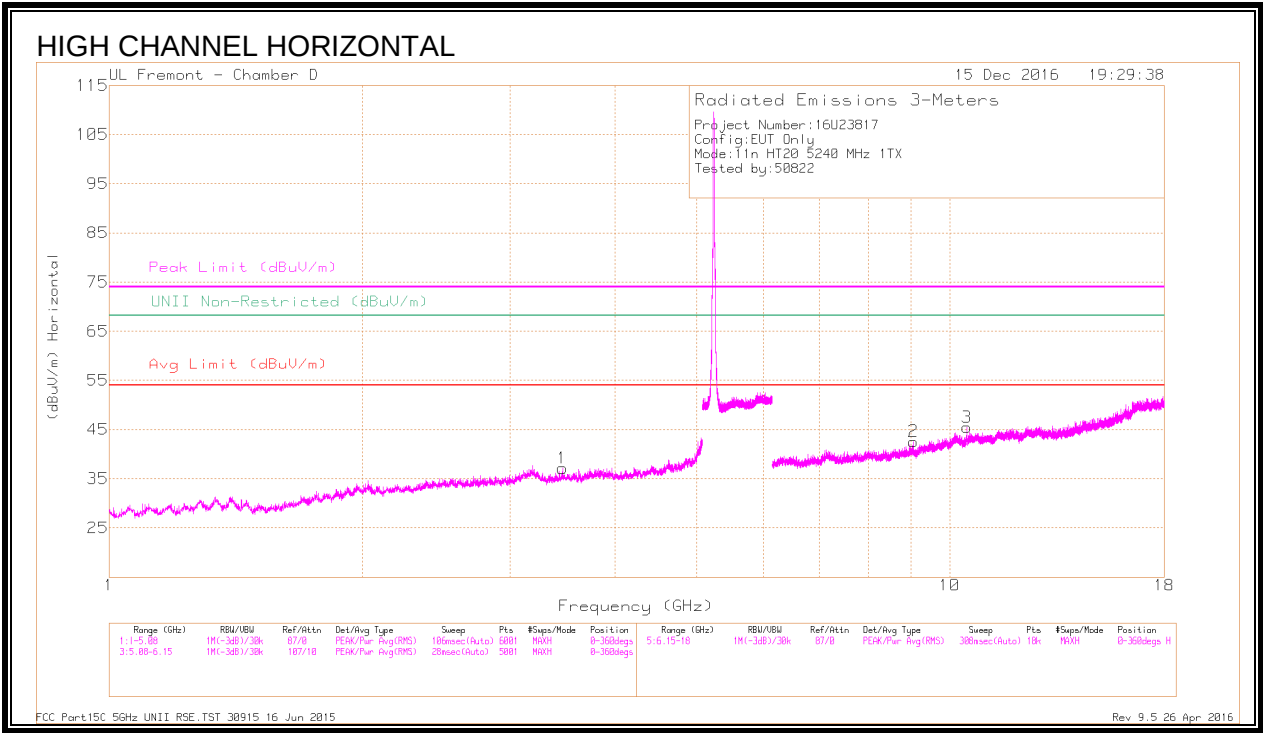
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Ch/FBz/Psd (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	3.249	39.09	PK-U	33.3	-29.4	42.99	-	-	-	-	68.2	-25.21	360	100	H
2	* 3.949	37.59	PK-U	33.4	-28.2	42.79	-	-	74	-31.21	-	-	282	196	H
	* 3.948	26.97	ADR	33.4	-28.2	32.17	54	-21.83	-	-	-	-	282	196	H
3	* 7.444	35.51	PK-U	35.6	-24.8	46.31	-	-	74	-27.69	-	-	259	300	H
	* 7.445	24.47	ADR	35.6	-24.8	35.27	54	-18.73	-	-	-	-	259	300	H
4	* 3.782	38.42	PK-U	33.5	-28.6	43.32	-	-	74	-30.68	-	-	282	102	V
	* 3.78	28.06	ADR	33.5	-28.6	32.96	54	-21.04	-	-	-	-	282	102	V
5	* 7.559	35.55	PK-U	35.8	-25	46.35	-	-	74	-27.65	-	-	32	306	V
	* 7.558	24.93	ADR	35.8	-24.9	35.83	54	-18.17	-	-	-	-	32	306	V
6	* 9.044	33.96	PK-U	36.1	-22.4	47.66	-	-	74	-26.34	-	-	196	174	V
	* 9.044	23.45	ADR	36.1	-22.4	37.15	54	-16.85	-	-	-	-	196	174	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



Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Ch/FB/Psd (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	3.462	38.96	PK-U	33	-28.8	43.16	-	-	-	-	68.2	-25.04	360	100	H
2	* 9.054	34	PK-U	36.1	-22.5	47.6	-	-	74	-26.4	-	-	156	101	H
	* 9.055	23.63	ADR	36.2	-22.4	37.43	54	-16.57	-	-	-	-	156	101	H
3	10.477	34.83	PK-U	37.6	-21.4	51.03	-	-	-	-	68.2	-17.17	156	101	H
4	* 4.19	38.43	PK-U	33.5	-28.2	43.73	-	-	74	-30.27	-	-	306	377	V
	* 4.192	27.13	ADR	33.5	-28.2	32.43	54	-21.57	-	-	-	-	306	377	V
5	8.66	34.78	PK-U	35.9	-23.2	47.48	-	-	-	-	68.2	-20.72	320	400	V
6	10.481	33.76	PK-U	37.6	-21.5	49.86	-	-	-	-	68.2	-18.34	320	102	V

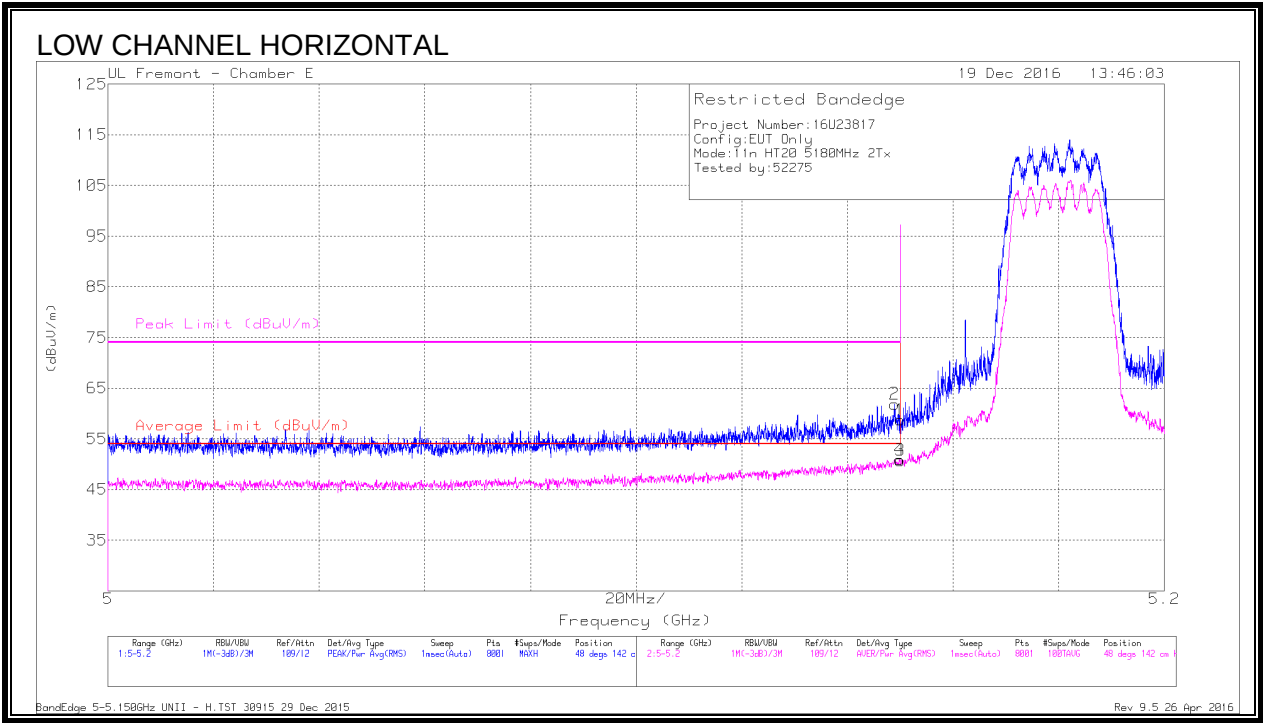
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

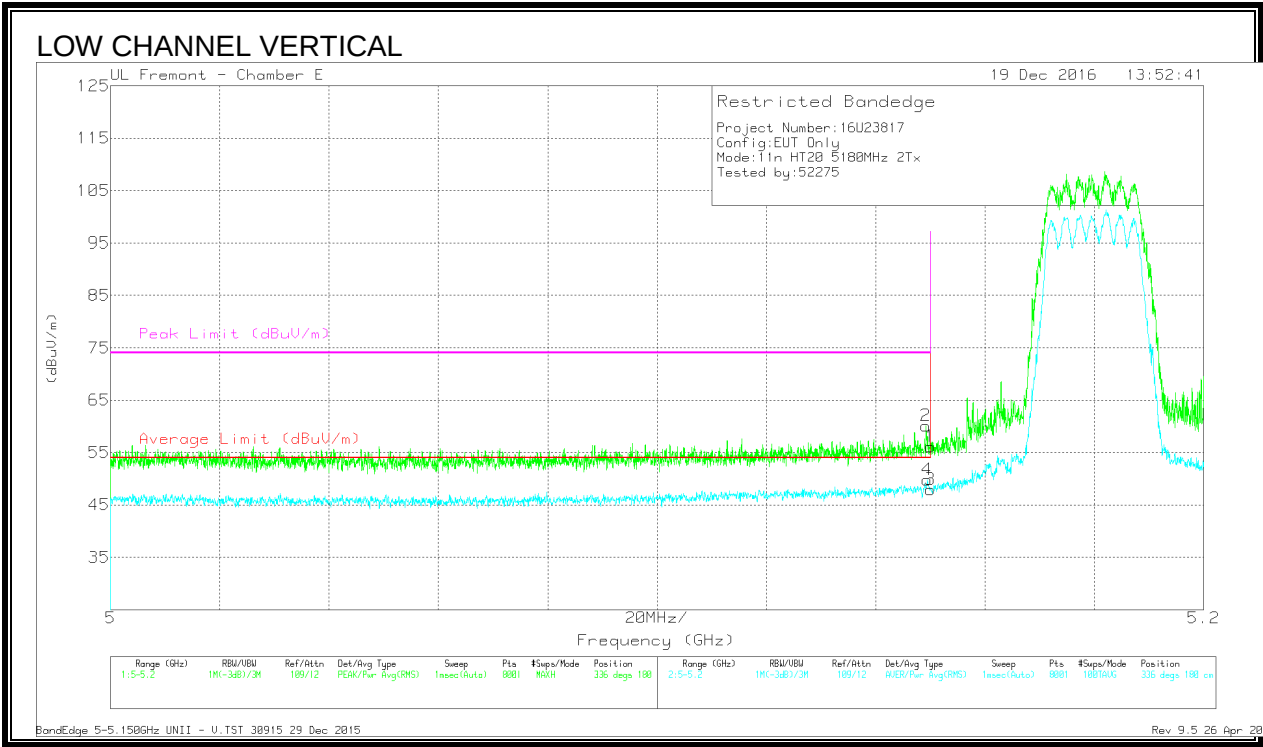
9.2.3. 11n HT20 2TX CDD MIMO MODE IN THE 5.2GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



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
2	* 5.149	46.6	Pk	34.1	-18.8	61.9	-	-	74	-12.1	48	142	H
4	* 5.15	35.66	RMS	34.1	-18.8	50.96	54	-3.04	-	-	48	142	H
1	5.15	43.48	Pk	34.1	-18.8	58.78	-	-	74	-15.22	48	142	H
3	5.15	35.43	RMS	34.1	-18.8	50.73	54	-3.27	-	-	48	142	H

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

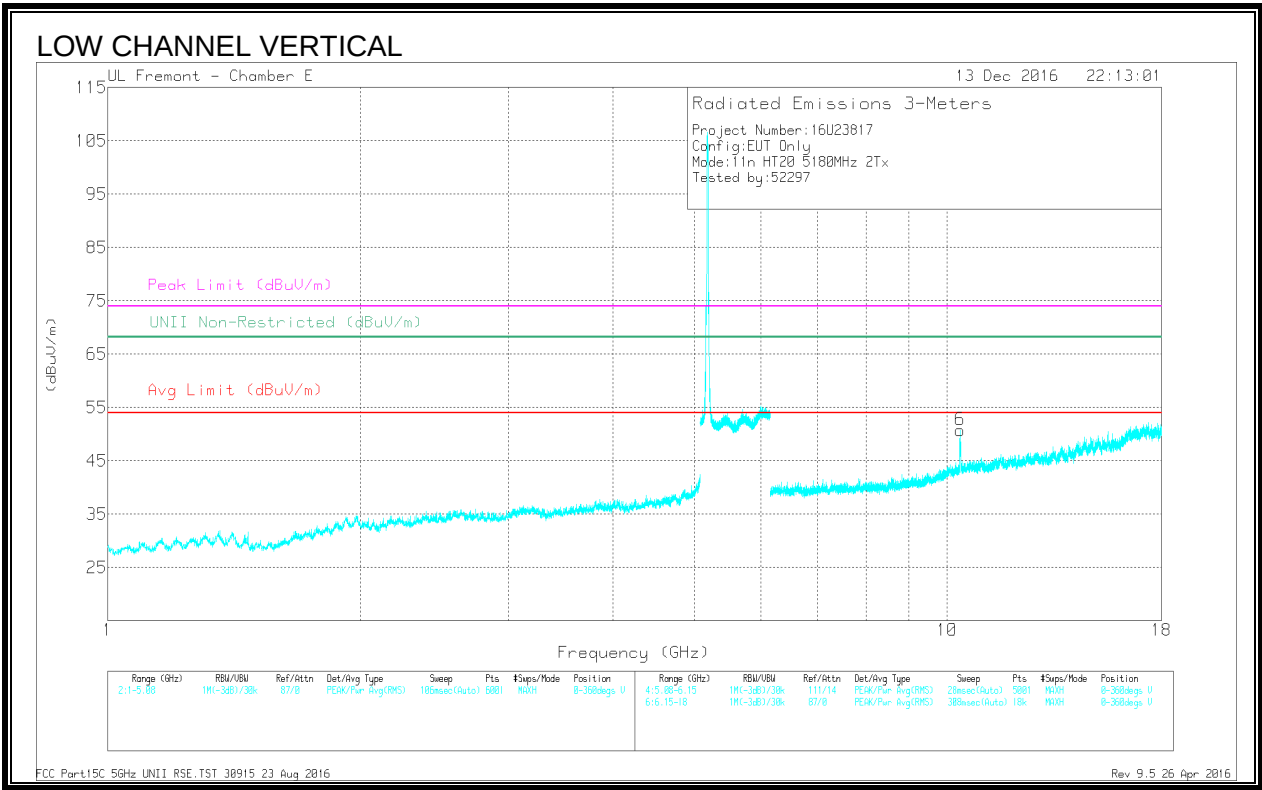
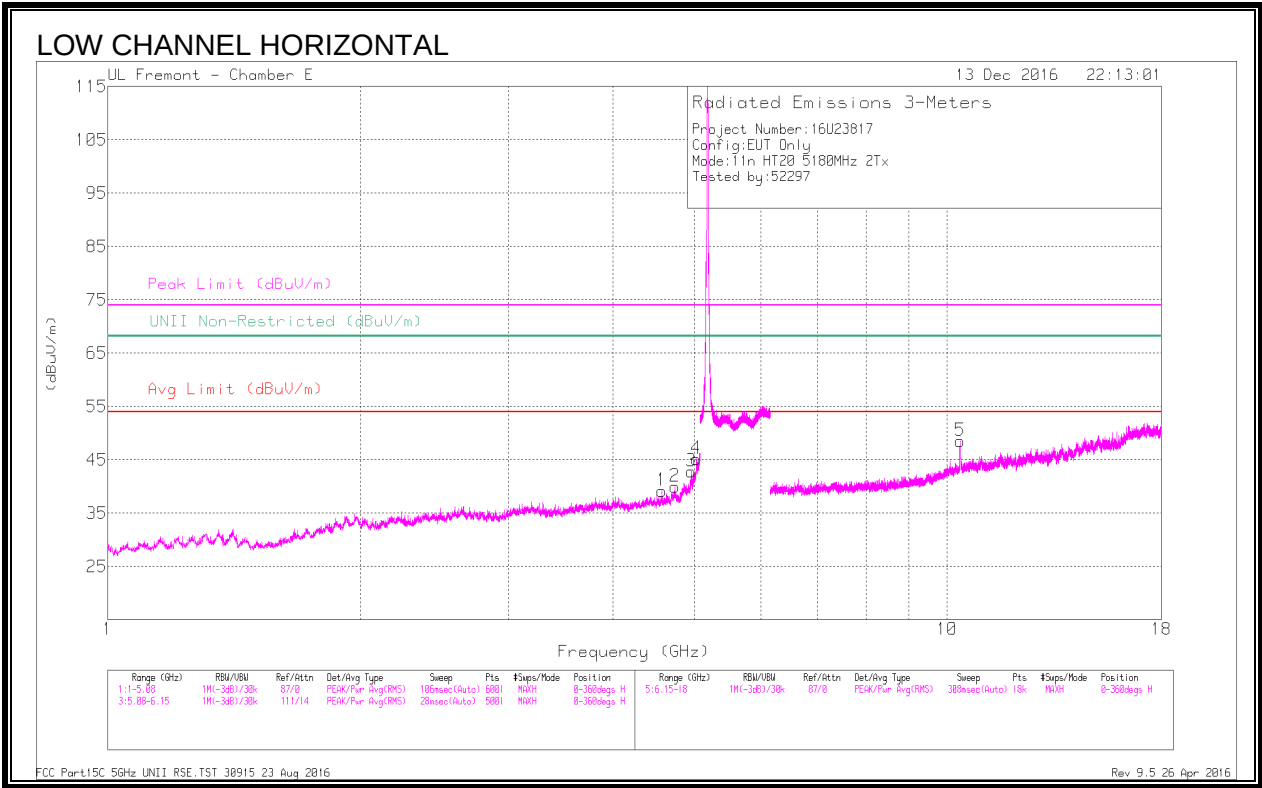


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.149	44.77	Pk	34.1	-18.8	60.07	-	-	74	-13.93	336	180	V
4	* 5.149	34.52	RMS	34.1	-18.8	49.82	54	-4.18	-	-	336	180	V
1	5.15	40.82	Pk	34.1	-18.8	56.12	-	-	74	-17.88	336	180	V
3	5.15	32.66	RMS	34.1	-18.8	47.96	54	-6.04	-	-	336	180	V

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

Pk - Peak detector

RMS - RMS detection



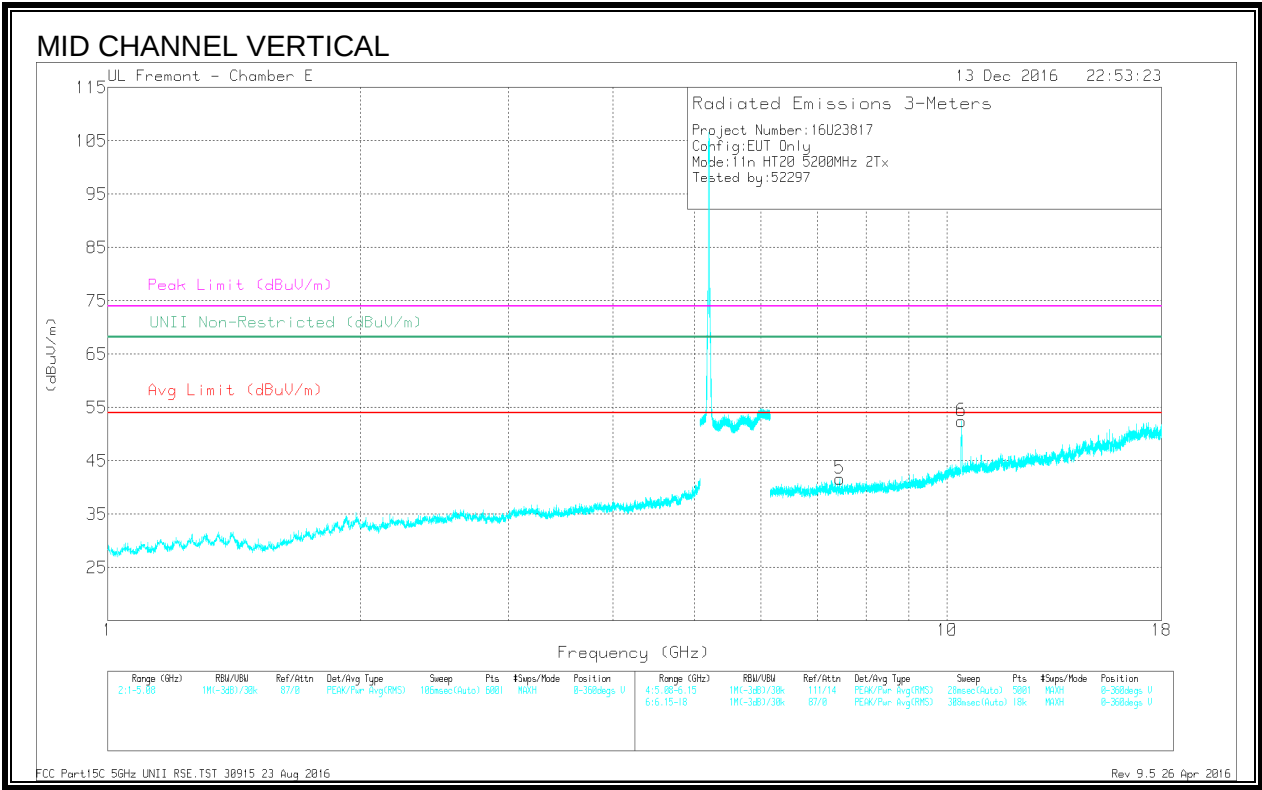
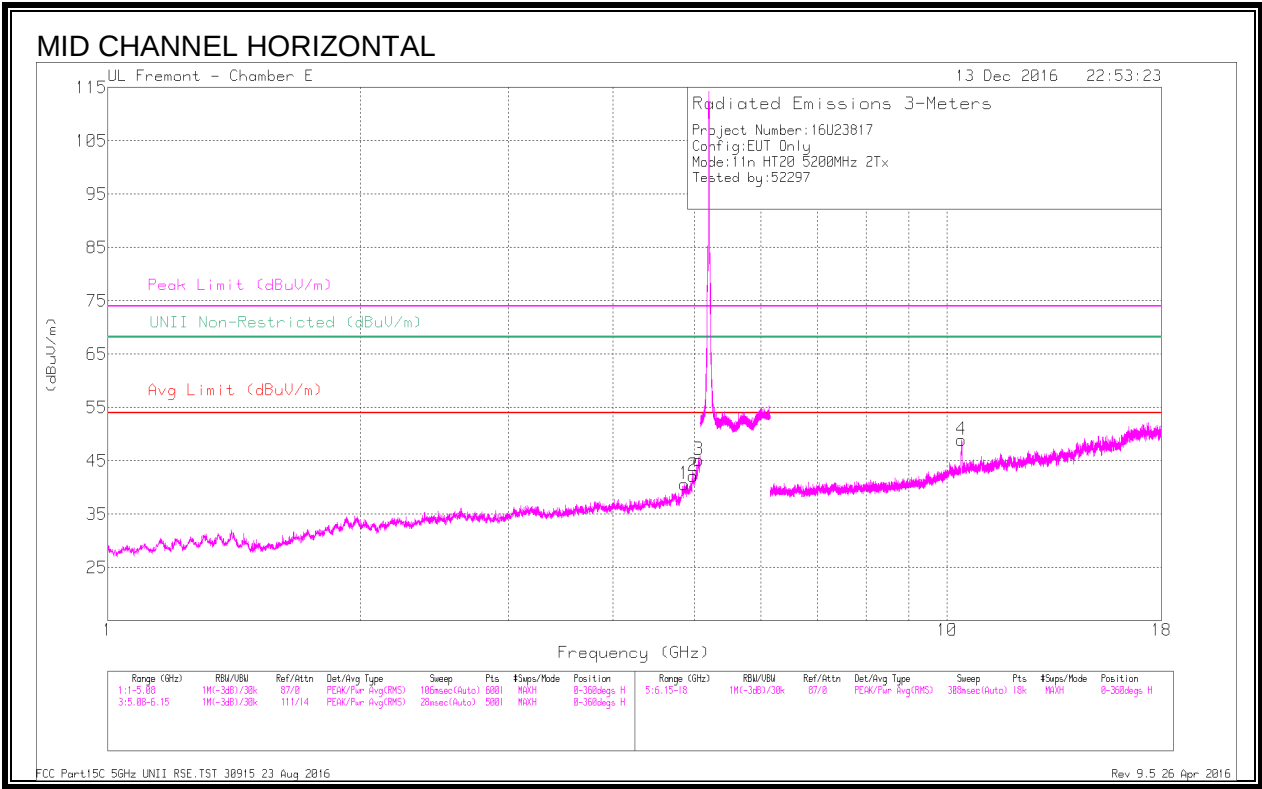
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Ch/Filt/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)	Acimuth (Degs)	Height (cm)	Polarity
1	* 4.568	39.93	PK-U	33.8	-29.2	44.53	-	-	74	-29.47	-	-	24	201	H
	* 4.568	29.5	ADR	33.8	-29.2	34.1	54	-19.9	-	-	-	-	24	201	H
2	* 4.739	40.53	PK-U	34	-28.9	45.63	-	-	74	-28.37	-	-	57	165	H
	* 4.738	30.29	ADR	34	-28.9	35.39	54	-18.61	-	-	-	-	57	165	H
3	* 4.958	45.55	PK-U	34	-29.4	50.15	-	-	74	-23.85	-	-	74	168	H
	* 4.958	34.82	ADR	34	-29.4	39.42	54	-14.58	-	-	-	-	74	168	H
4	* 5.028	46.84	PK-U	34	-28.4	52.44	-	-	74	-21.56	-	-	102	137	H
	* 5.028	36.5	ADR	34	-28.4	42.1	54	-11.9	-	-	-	-	102	137	H
5	10.362	43.8	PK-U	37.8	-23.9	57.7	-	-	-	-	68.2	-10.5	87	216	H
6	10.366	45.59	PK-U	37.8	-23.9	59.49	-	-	-	-	68.2	-8.71	99	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



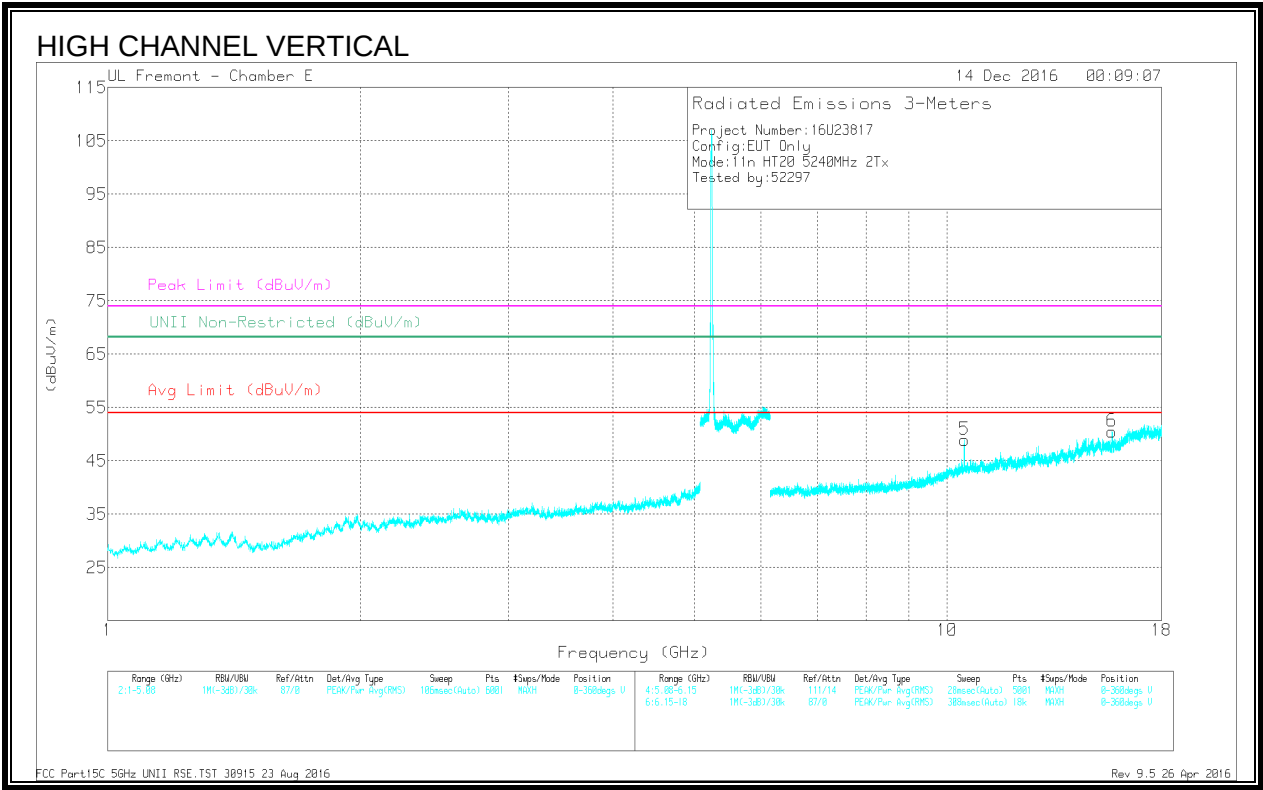
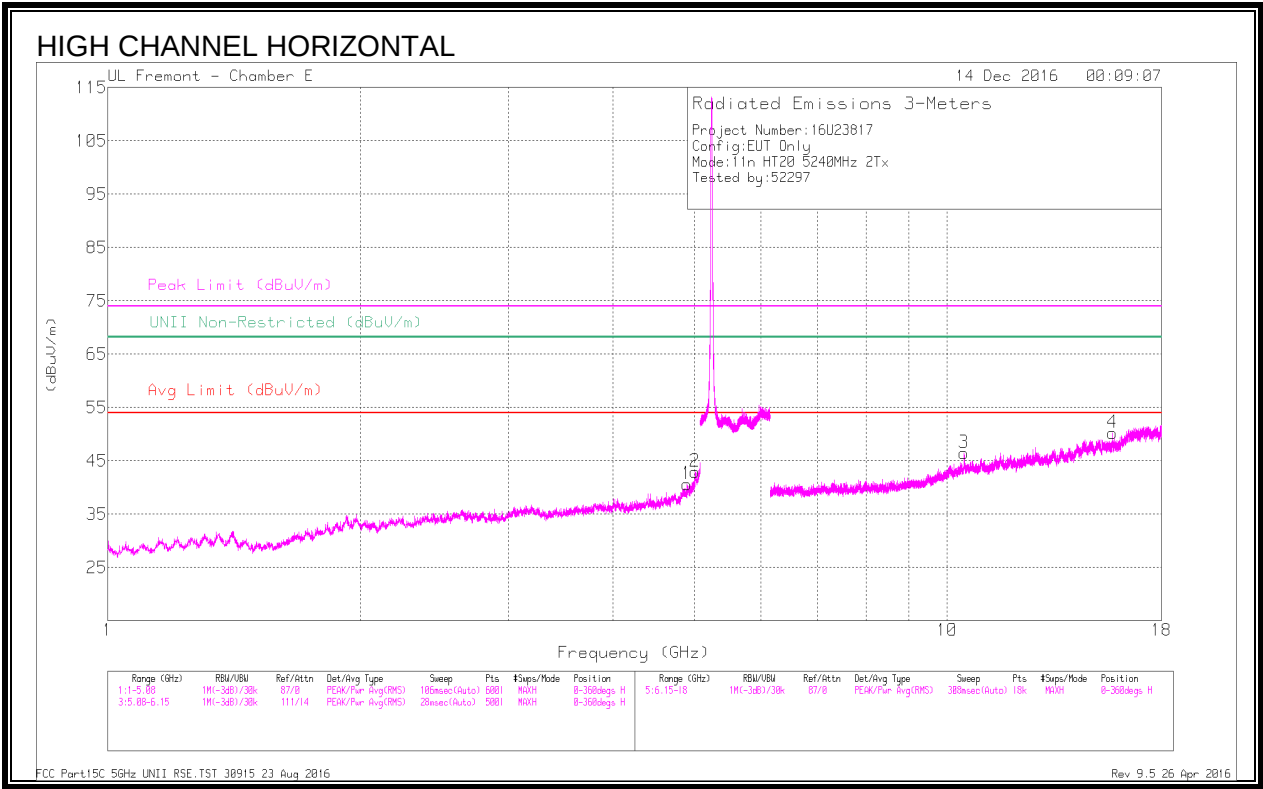
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cb/Filt/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	* 4.867	31.73	ADR	34	-29.5	36.23	54	-17.77	-	-	-	-	67	110	H
	* 4.868	42.25	PK-U	34	-29.5	46.75	-	-	74	-27.25	-	-	67	110	H
2	* 4.977	34.4	ADR	34	-29.4	39	54	-15	-	-	-	-	103	167	H
	* 4.979	44.51	PK-U	34	-29.3	49.21	-	-	74	-24.79	-	-	103	167	H
3	* 5.056	43.64	PK-U	34	-28	49.64	-	-	74	-24.36	-	-	187	243	H
	* 5.056	33.78	ADR	34	-28	39.78	54	-14.22	-	-	-	-	187	243	H
4	10.399	46.55	PK-U	37.8	-22.9	61.45	-	-	-	-	68.2	-6.75	95	282	V
5	* 7.445	39.23	PK-U	35.5	-27.5	47.23	-	-	74	-26.77	-	-	135	274	V
	* 7.451	28.92	ADR	35.5	-27.6	36.82	54	-17.18	-	-	-	-	135	274	V
6	10.404	43.15	PK-U	37.8	-23.1	57.85	-	-	-	-	68.2	-10.35	86	218	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



Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cbl/Filr/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	* 4.901	41.67	PK-U	34	-29.6	46.07	-	-	74	-27.93	-	-	130	325	H
	* 4.899	31.46	ADR	34	-29.7	35.76	54	-18.24	-	-	-	-	130	325	H
2	* 4.899	41.2	PK-U	34	-29.7	45.5	-	-	74	-28.5	-	-	192	270	H
	* 4.9	31.24	ADR	34	-29.6	35.64	54	-18.36	-	-	-	-	192	270	H
3	10.481	40.53	PK-U	37.8	-24.3	54.03	-	-	-	-	68.2	-14.17	212	195	H
4	* 15.73	36.57	PK-U	40.5	-21.7	55.37	-	-	74	-18.63	-	-	133	229	H
	* 15.728	26.67	ADR	40.5	-21.8	45.37	54	-8.63	-	-	-	-	133	229	H
5	10.482	45.01	PK-U	37.8	-24.3	58.51	-	-	-	-	68.2	-9.69	103	164	V
6	* 15.719	37.08	PK-U	40.5	-22.4	55.18	-	-	74	-18.82	-	-	196	170	V
	* 15.723	26.99	ADR	40.5	-22.1	45.39	54	-8.61	-	-	-	-	196	170	V

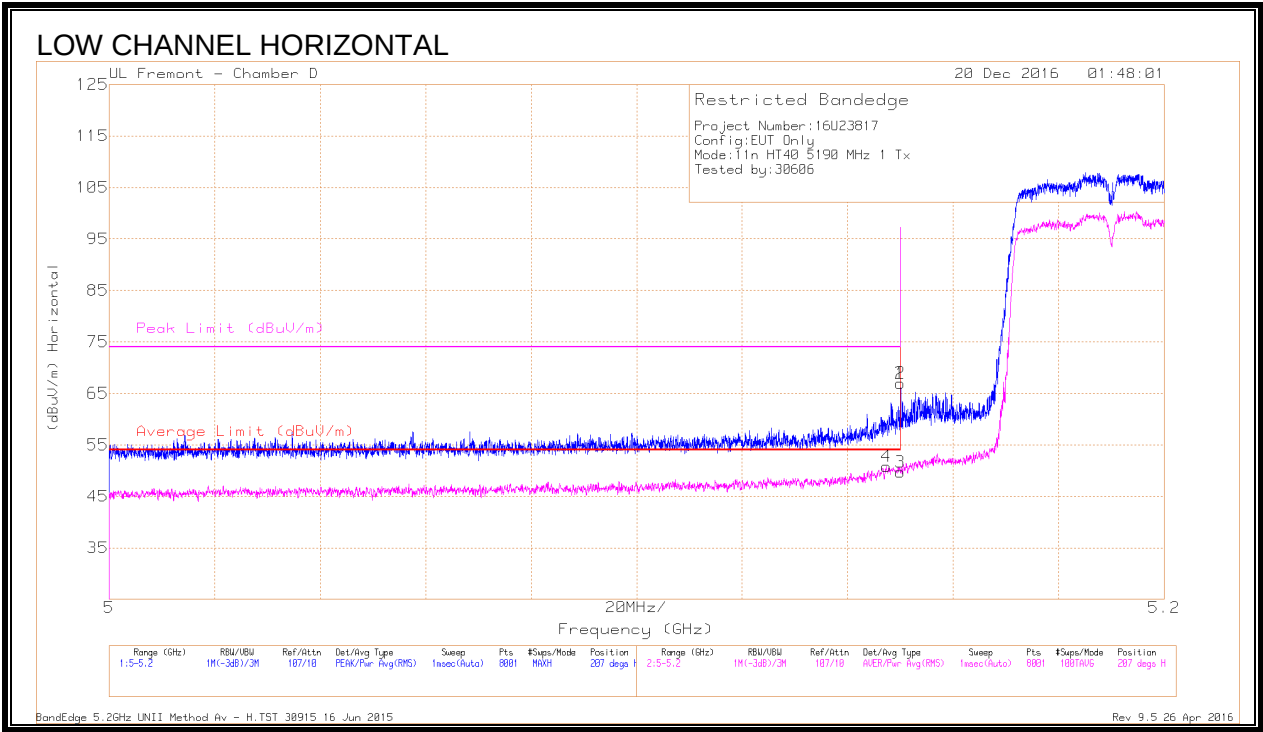
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

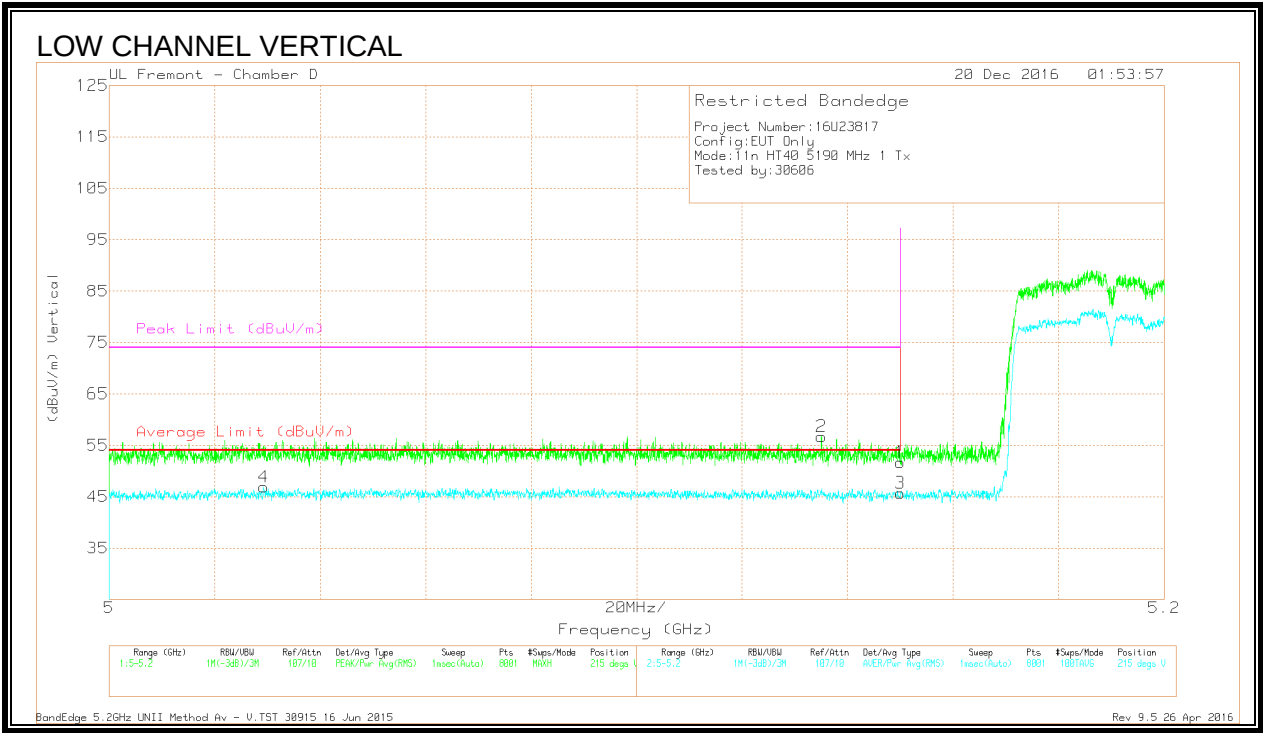
9.2.4. 11n HT40 ANTENNA A SISO MODE IN THE 5.2GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (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
2	* 5.15	51.27	Pk	34.1	-18.4	0	66.97	-	-	74	-7.03	207	142	H
4	* 5.147	35	RMS	34.1	-18.4	.1	50.8	54	-3.2	-	-	207	142	H
1	5.15	51.22	Pk	34.1	-18.4	0	66.92	-	-	74	-7.08	207	142	H
3	5.15	33.89	RMS	34.1	-18.4	.1	49.69	54	-4.31	-	-	207	142	H

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

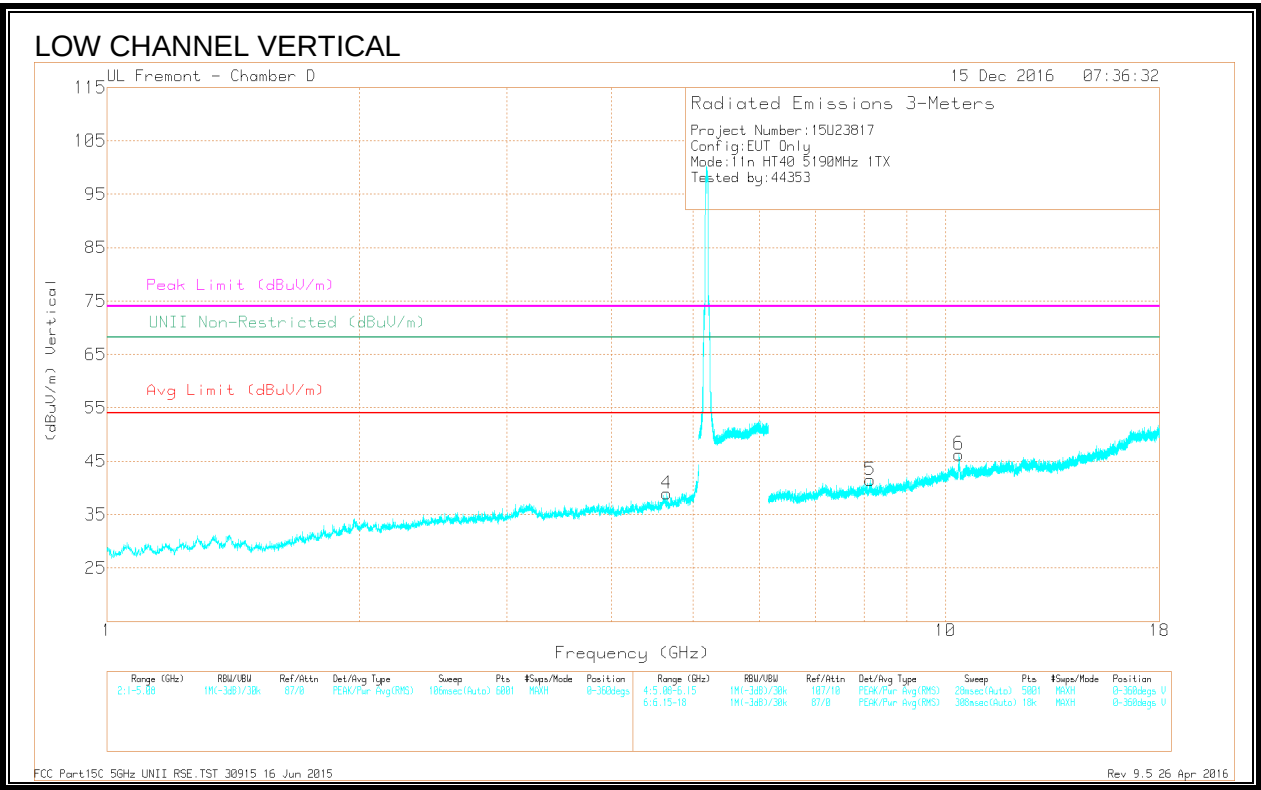
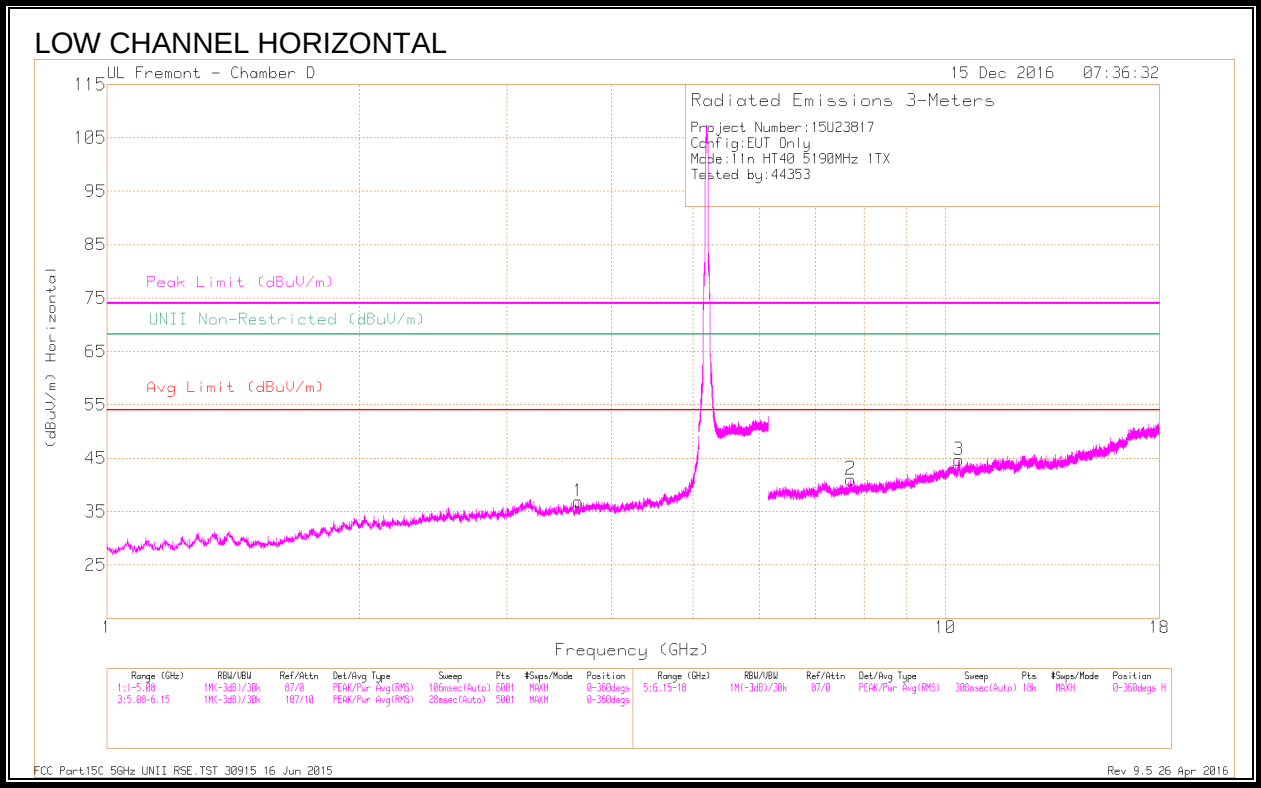


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pa d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.135	41	Pk	34.1	-18.4	0	56.7	-	-	74	-17.3	215	375	V
4	* 5.029	30.99	RMS	34	-18.1	.1	46.99	54	-7.01	-	-	215	375	V
1	5.15	36.01	Pk	34.1	-18.4	0	51.71	-	-	74	-22.29	215	375	V
3	5.15	30.01	RMS	34.1	-18.4	.1	45.81	54	-8.19	-	-	215	375	V

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

Pk - Peak detector

RMS - RMS detection



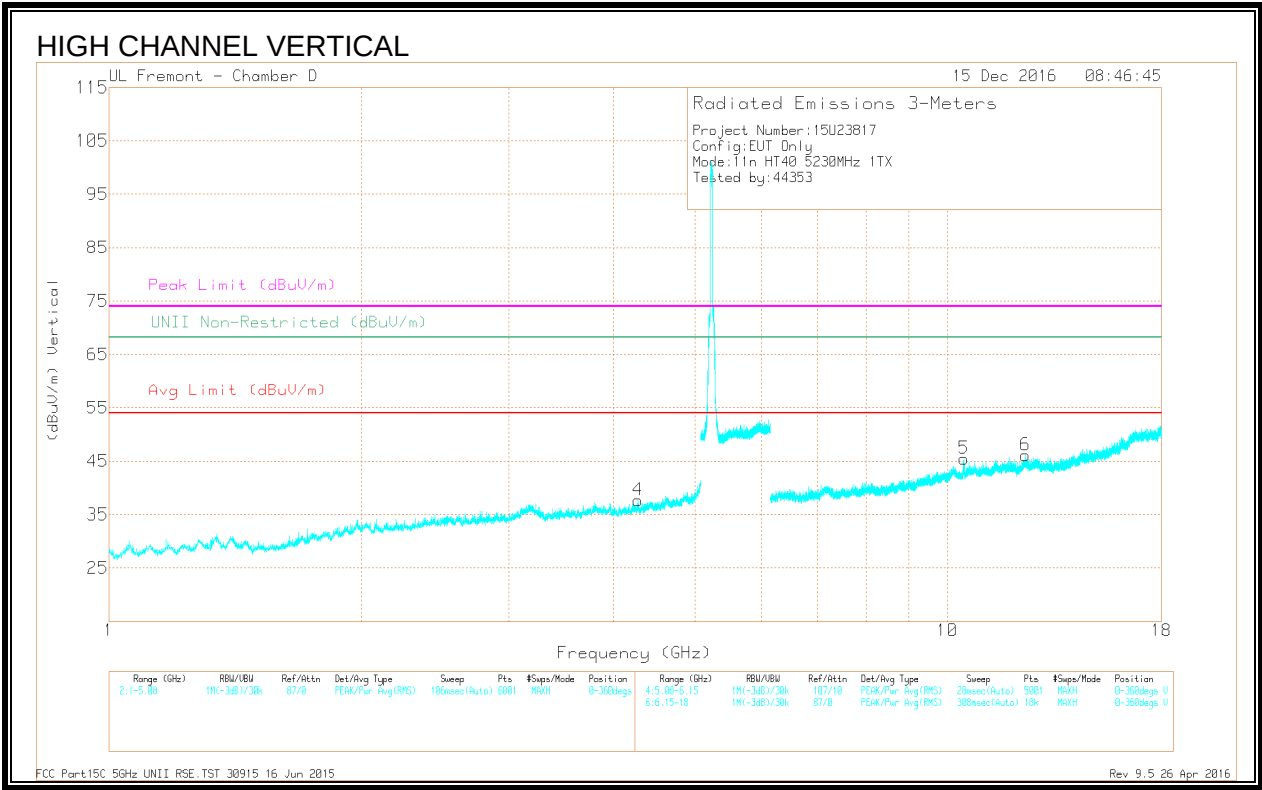
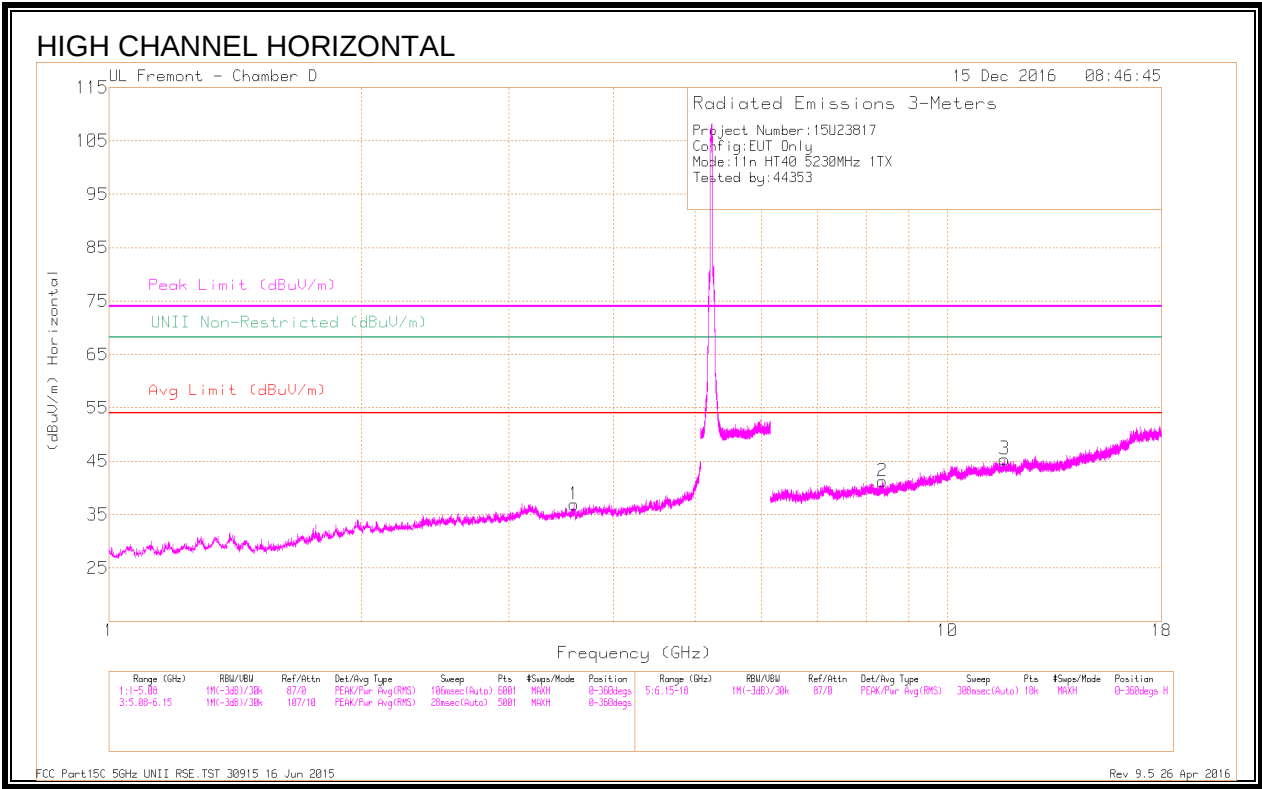
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T112 (dB/m)	Amp/Ch/FB/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Unfil Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.646	37.97	PK-U	33.4	-29.1	0	42.27	-	-	74	-31.73	-	-	54	262	H
	* 3.646	28.15	ADR	33.4	-29.1	.1	32.55	54	-21.45	-	-	-	-	54	262	H
2	* 7.71	35.59	PK-U	35.8	-24.2	0	47.19	-	-	74	-26.81	-	-	103	173	H
	* 7.709	25.36	ADR	35.8	-24.2	.1	37.06	54	-16.94	-	-	-	-	103	173	H
3	10.382	36.66	PK-U	37.6	-21.5	0	52.76	-	-	-	-	68.2	-15.44	217	101	H
4	* 4.65	37.18	PK-U	34.1	-27.5	0	43.78	-	-	74	-30.22	-	-	186	341	V
	* 4.653	27.29	ADR	34.1	-27.6	.1	33.89	54	-20.11	-	-	-	-	186	341	V
5	* 8.133	35.11	PK-U	35.8	-23.5	0	47.41	-	-	74	-26.59	-	-	24	326	V
	* 8.135	24.88	ADR	35.8	-23.3	.1	37.48	54	-16.52	-	-	-	-	24	326	V
6	10.381	40.47	PK-U	37.6	-21.5	0	56.57	-	-	-	-	68.2	-11.63	263	222	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



Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1712 (dB/m)	Amp/CM/Hz/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	URRL Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.587	39.15	PK-U	33.3	-29.1	0	43.35	-	-	74	-30.65	-	-	190	144	H
	* 3.585	28.57	ADR	33.3	-29.2	.1	32.77	54	-21.23	-	-	-	-	190	144	H
2	* 8.368	34.98	PK-U	35.8	-23.4	0	47.38	-	-	74	-26.62	-	-	221	196	H
	* 8.37	24.67	ADR	35.8	-23.5	.1	37.07	54	-16.93	-	-	-	-	221	196	H
3	* 11.697	33.54	PK-U	38.6	-20.7	0	51.44	-	-	74	-22.56	-	-	104	372	H
	* 11.695	24.2	ADR	38.6	-20.7	.1	42.2	54	-11.8	-	-	-	-	104	372	H
4	* 4.274	37.83	PK-U	33.5	-27.6	0	43.73	-	-	74	-30.27	-	-	77	202	V
	* 4.274	27.72	ADR	33.5	-27.6	.1	33.72	54	-20.28	-	-	-	-	77	202	V
5	10.457	36.69	PK-U	37.6	-21.5	0	52.79	-	-	-	-	68.2	-15.41	77	341	V
6	* 12.393	34.22	PK-U	39	-21	0	52.22	-	-	74	-21.78	-	-	341	166	V
	* 12.393	23.99	ADR	39	-21.1	.1	41.99	54	-12.01	-	-	-	-	341	166	V

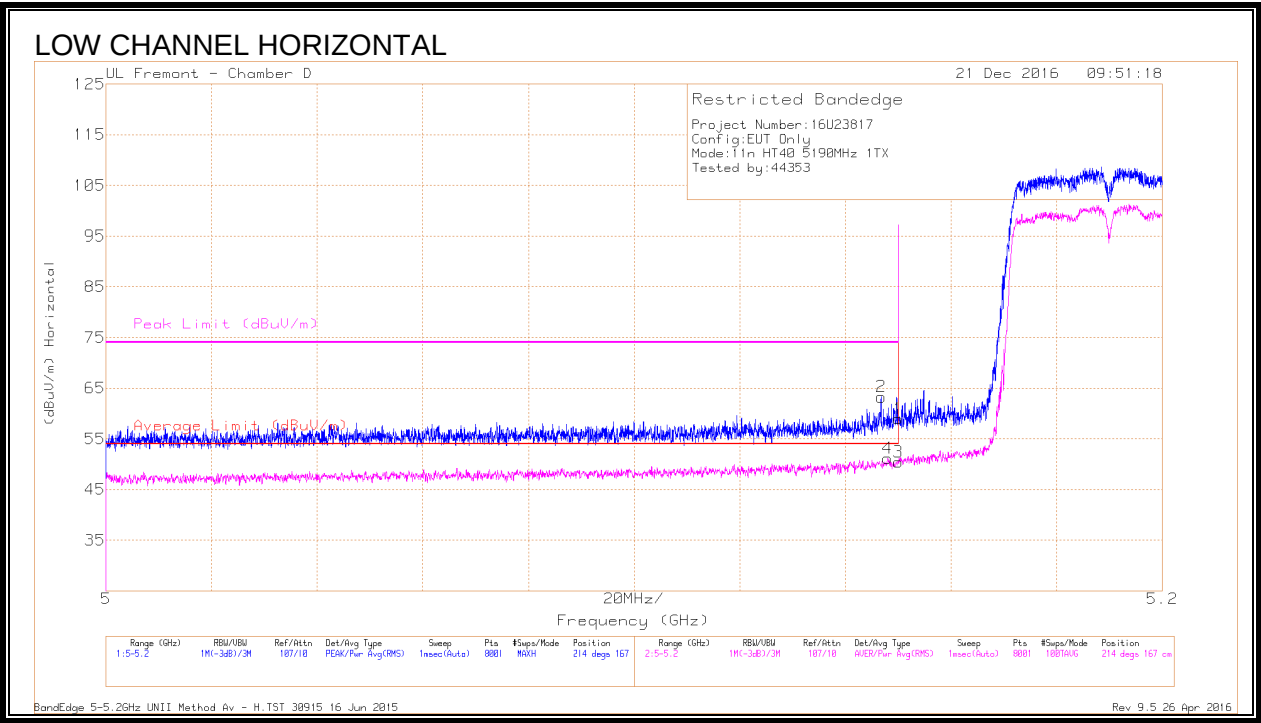
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

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

RESTRICTED BANDEGE (LOW CHANNEL)

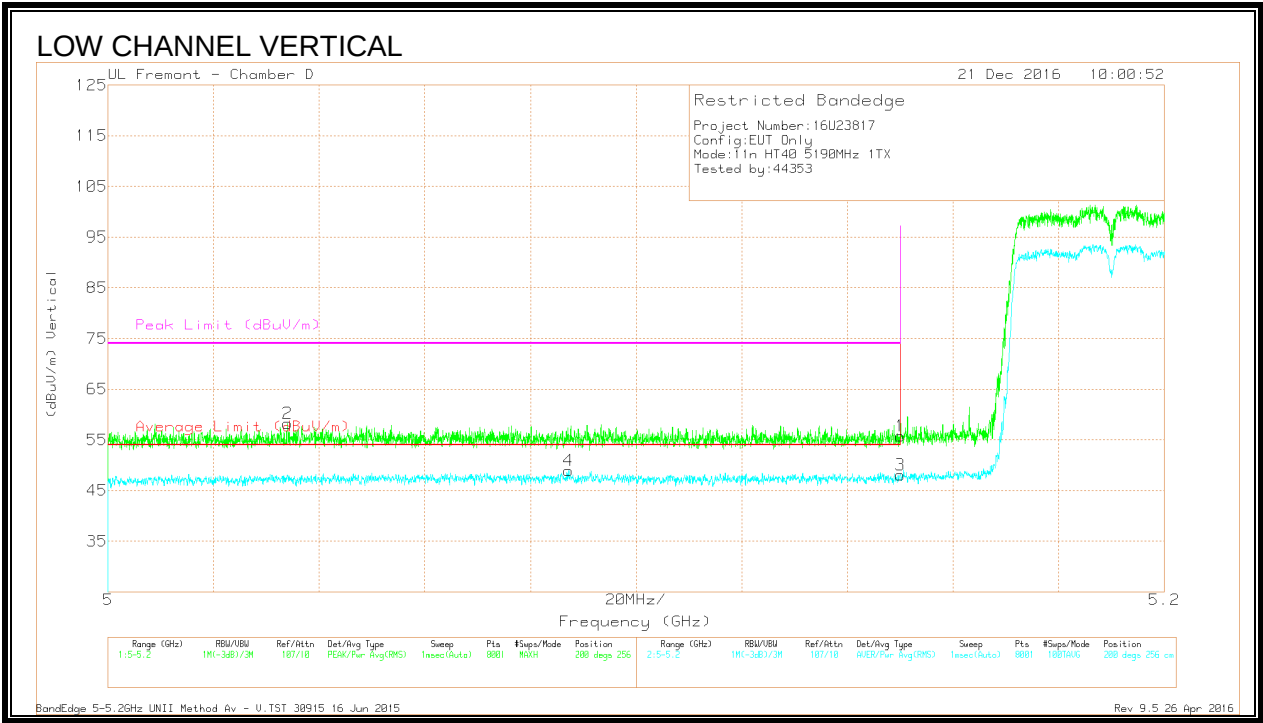


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT712 (dB/m)	Amp/Cb/Filtz/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
2	* 5.147	47.57	PK	34.1	-18.4	0	63.27	-	-	74	-10.73	214	167	H
4	* 5.148	35.39	RMS	34.1	-18.4	.1	51.19	54	-2.81	-	-	214	167	H
1	5.15	43.31	PK	34.1	-18.4	0	59.01	-	-	74	-14.99	214	167	H
3	5.15	34.66	RMS	34.1	-18.4	.1	50.46	54	-3.54	-	-	214	167	H

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

PK - Peak detector

RMS - RMS detection



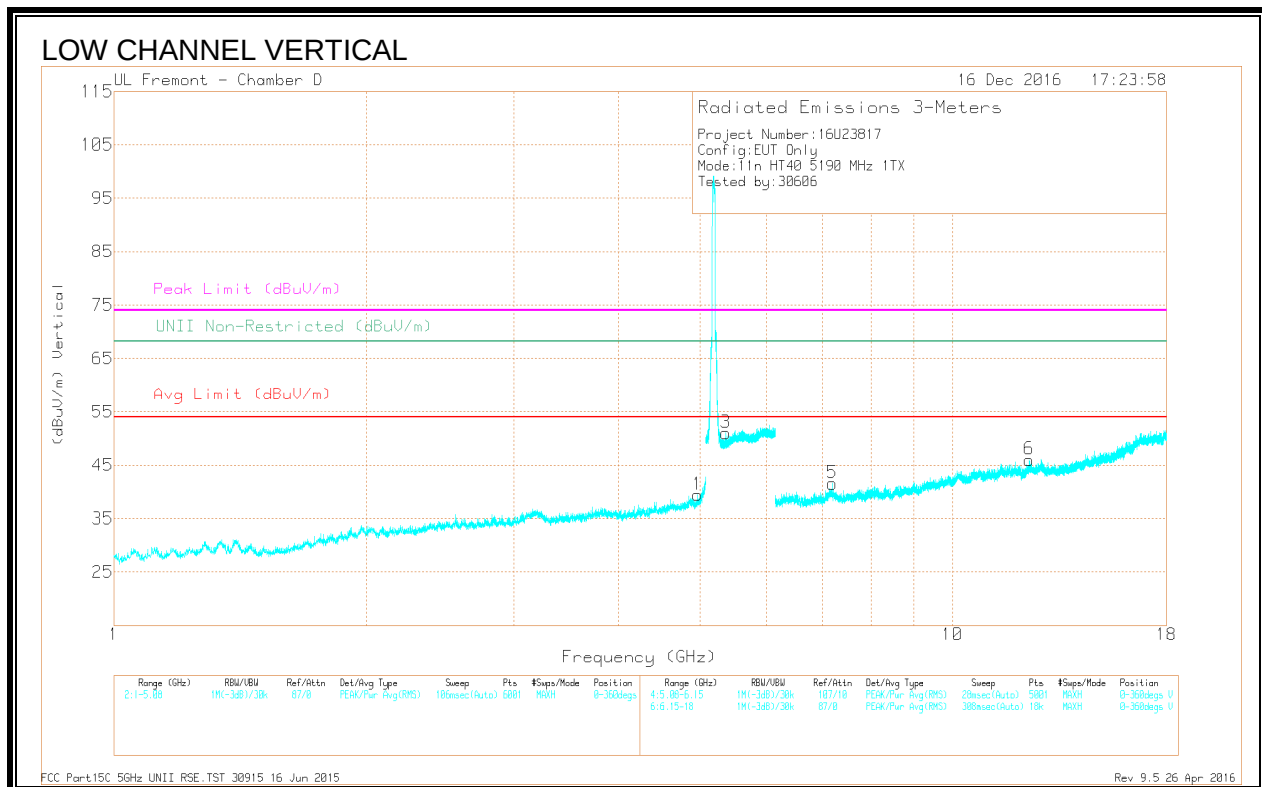
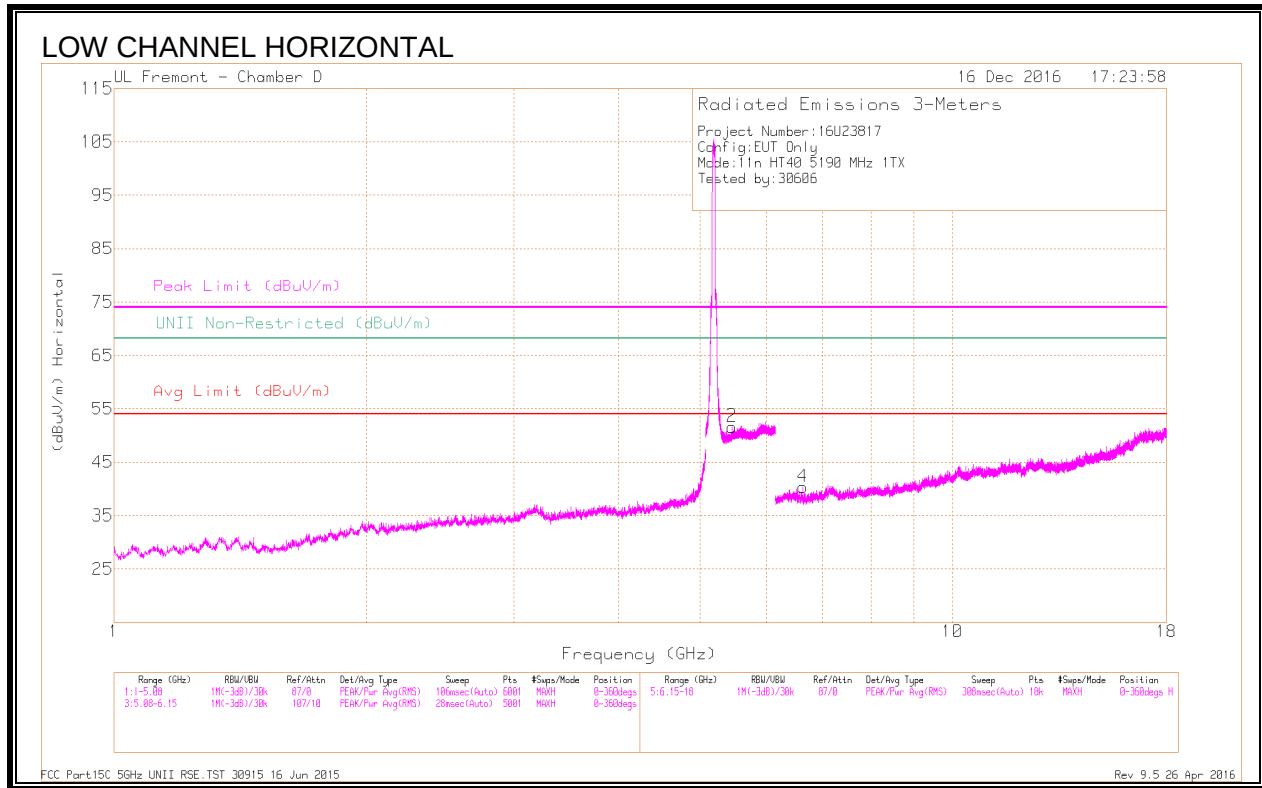
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cb/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
2	* 5.034	42.36	Pk	34	-18.1	0	58.26	-	-	74	-15.74	200	256	V
4	* 5.087	32.95	RMS	34	-18.1	.1	48.95	54	-5.05	-	-	200	256	V
1	5.15	40	Pk	34.1	-18.4	0	55.7	-	-	74	-18.3	200	256	V
3	5.15	32.31	RMS	34.1	-18.4	.1	48.11	54	-5.89	-	-	200	256	V

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

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS



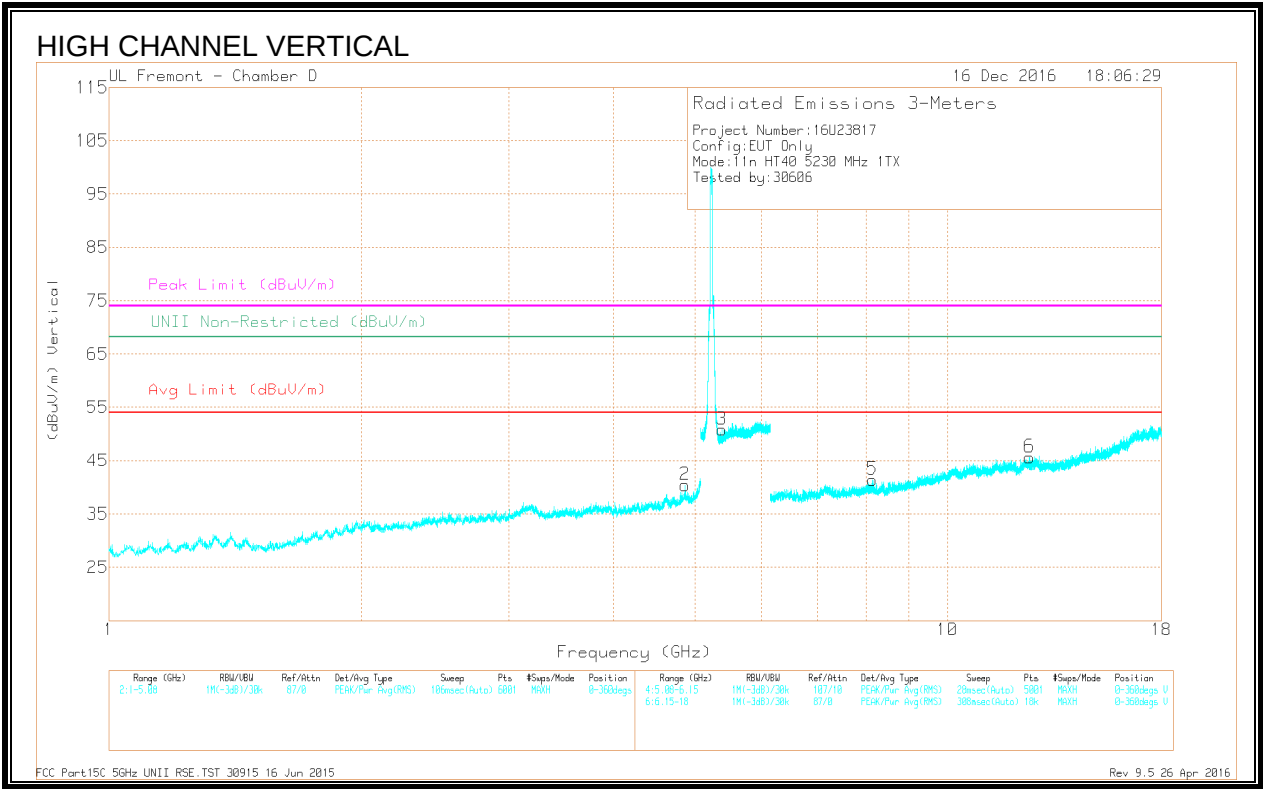
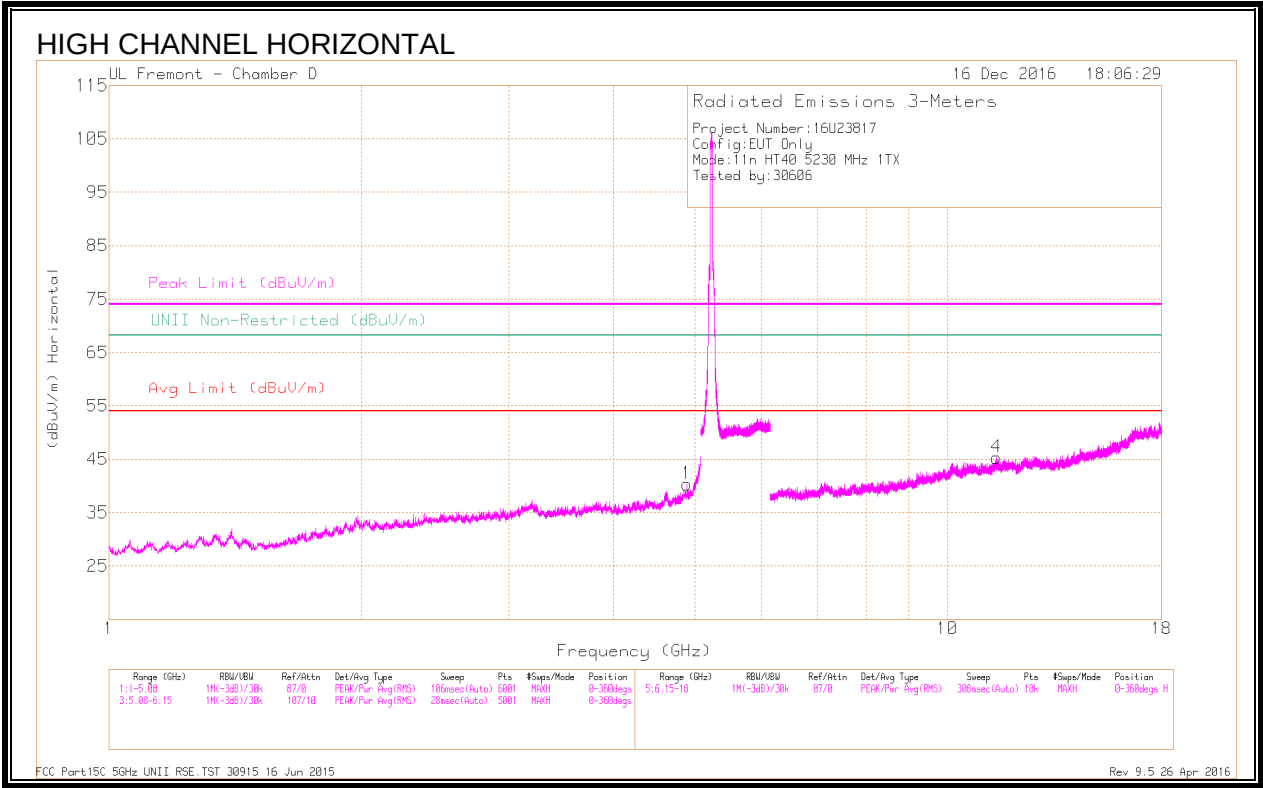
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/CM/Hz/Fed (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	URRL Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.968	37.96	PK-U	34.1	-26.7	0	45.36	-	-	74	-28.64	-	-	174	218	V
	* 4.968	27.53	ADR	34.1	-26.7	.1	35.03	54	-18.97	-	-	-	-	174	218	V
2	* 5.435	41.45	PK-U	34.4	-18.2	0	57.65	-	-	74	-16.35	-	-	285	280	H
	* 5.4	29.99	ADR	34.4	-18.3	.1	46.19	54	-7.81	-	-	-	-	285	280	H
3	* 5.368	40.9	PK-U	34.4	-18.3	0	57	-	-	74	-17	-	-	138	247	V
	* 5.37	29.91	ADR	34.4	-18.3	.1	46.11	54	-7.89	-	-	-	-	138	247	V
4	6.628	36.29	PK-U	35.6	-26.2	0	45.69	-	-	-	-	68.2	-22.51	250	120	H
5	7.189	34.83	PK-U	35.7	-23.8	0	46.73	-	-	-	-	68.2	-21.47	140	120	V
6	* 12.354	33.47	PK-U	39	-20.9	0	51.57	-	-	74	-22.43	-	-	74	177	V
	* 12.351	23.41	ADR	39	-20.9	.1	41.61	54	-12.39	-	-	-	-	74	177	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



Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Ch/Ref/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)	Altitude (Degs)	Height (cm)	Polarity
1	* 4.894	37.6	PK-U	34.1	-25.4	0	46.3	-	-	74	-27.7	-	-	203	159	H
	* 4.892	26.81	ADR	34.1	-25.4	.1	35.61	54	-18.39	-	-	-	-	203	159	H
2	* 4.867	36.3	PK-U	34.1	-25.3	0	45.1	-	-	74	-28.9	-	-	128	201	V
	* 4.865	25.74	ADR	34.1	-25.3	.1	34.64	54	-19.36	-	-	-	-	128	201	V
3	* 5.386	40.69	PK-U	34.4	-18.3	0	56.79	-	-	74	-17.21	-	-	184	355	V
	* 5.384	30.07	ADR	34.4	-18.3	.1	46.27	54	-7.73	-	-	-	-	184	355	V
4	* 11.449	34.89	PK-U	38.3	-21.4	0	51.79	-	-	74	-22.21	-	-	299	152	H
	* 11.448	23.82	ADR	38.3	-21.4	.1	40.82	54	-13.18	-	-	-	-	299	152	H
5	* 8.136	34.63	PK-U	35.8	-23.5	0	46.93	-	-	74	-27.07	-	-	8	215	V
	* 8.137	24.26	ADR	35.8	-23.6	.1	36.56	54	-17.44	-	-	-	-	8	215	V
6	* 12.527	34.15	PK-U	39.1	-21.9	0	51.35	-	-	74	-22.65	-	-	234	200	V
	* 12.525	23.55	ADR	39.1	-21.9	.1	40.85	54	-13.15	-	-	-	-	234	200	V

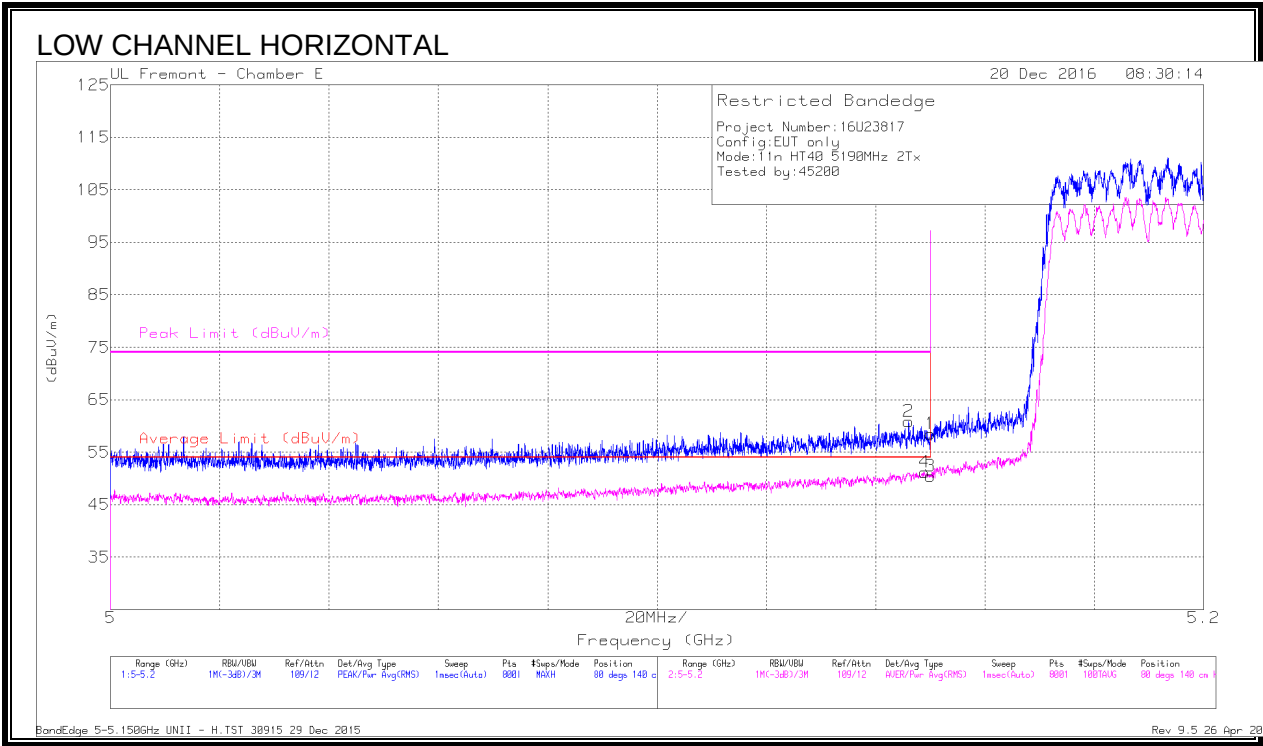
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

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

RESTRICTED BANDEDGE (LOW CHANNEL)

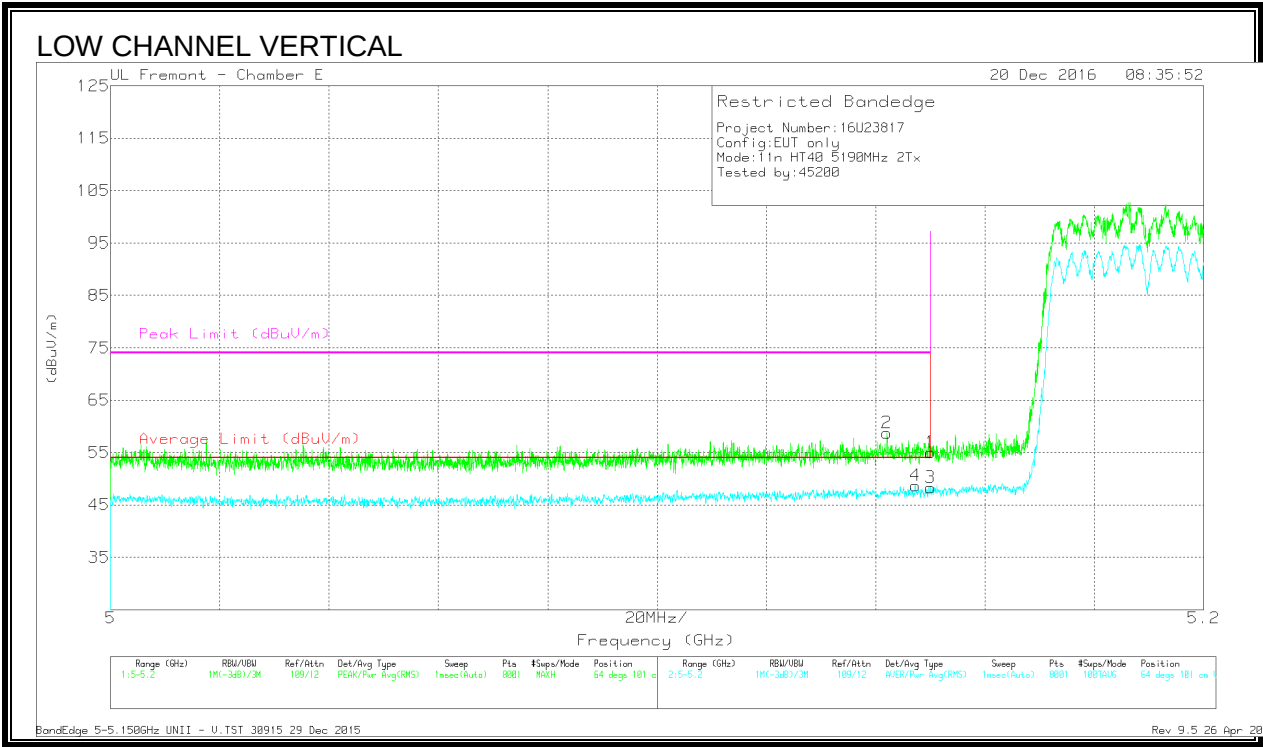


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Chl/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.146	45.59	Pk	34.1	-18.8	0	60.89	-	-	74	-13.11	80	140	H
4	* 5.149	35.8	RMS	34.1	-18.8	.11	51.21	54	-2.79	-	-	80	140	H
1	5.15	43.15	Pk	34.1	-18.8	0	58.45	-	-	74	-15.55	80	140	H
3	5.15	35.06	RMS	34.1	-18.8	.11	50.47	54	-3.53	-	-	80	140	H

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

Pk - Peak detector

RMS - RMS detection

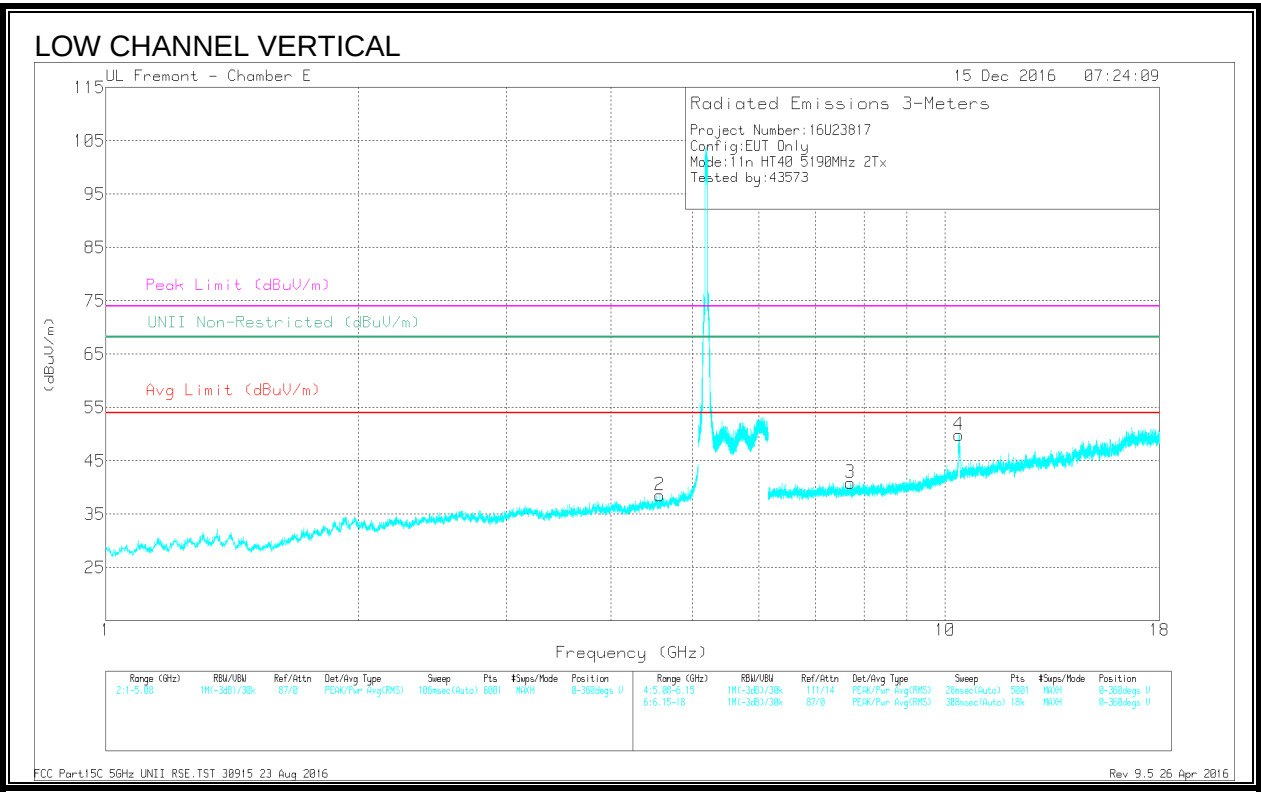
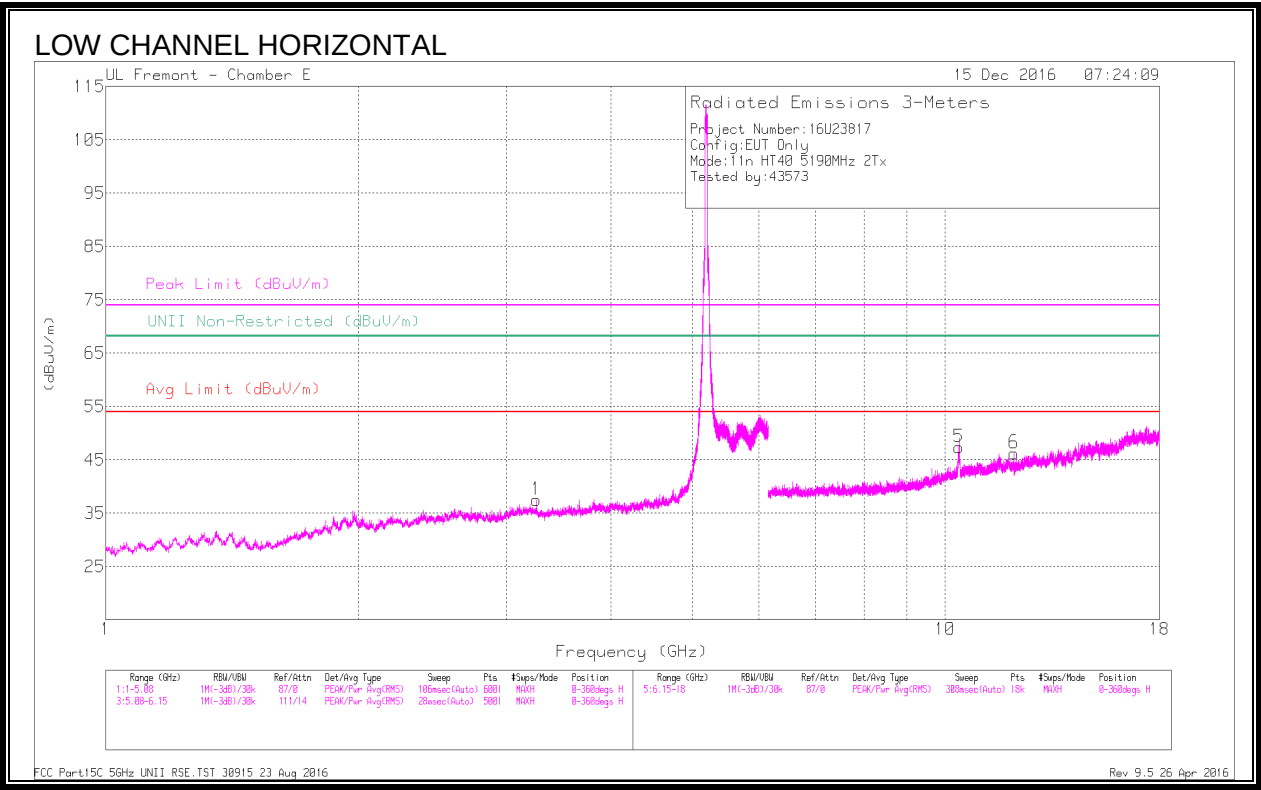


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cb/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.142	43.38	Pk	34.1	-18.8	0	58.68	-	-	74	-15.32	64	101	V
4	* 5.147	33.33	RMS	34.1	-18.8	.11	48.74	54	-5.26	-	-	64	101	V
1	5.15	39.72	PK	34.1	-18.8	0	55.02	-	-	74	-18.98	64	101	V
3	5.15	32.98	RMS	34.1	-18.8	.11	48.39	54	-5.61	-	-	64	101	V

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

Pk - Peak detector

RMS - RMS detection



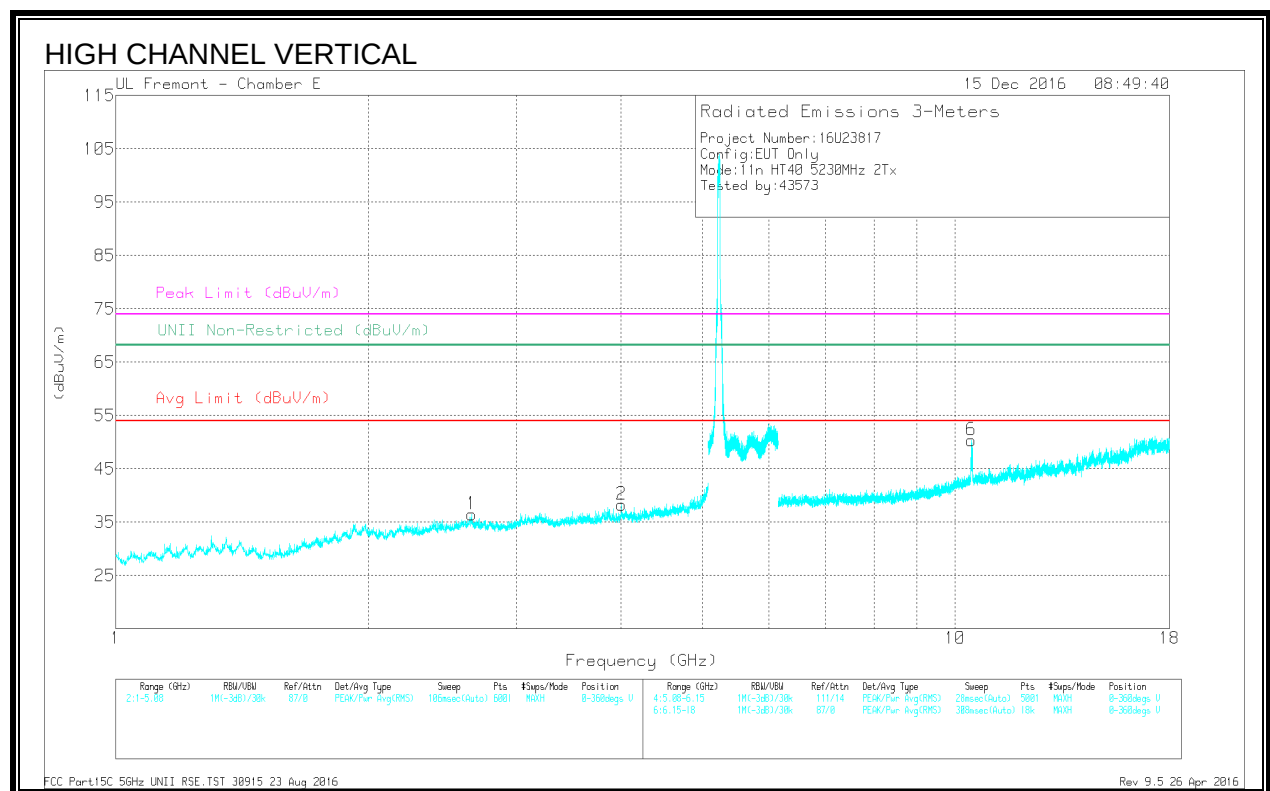
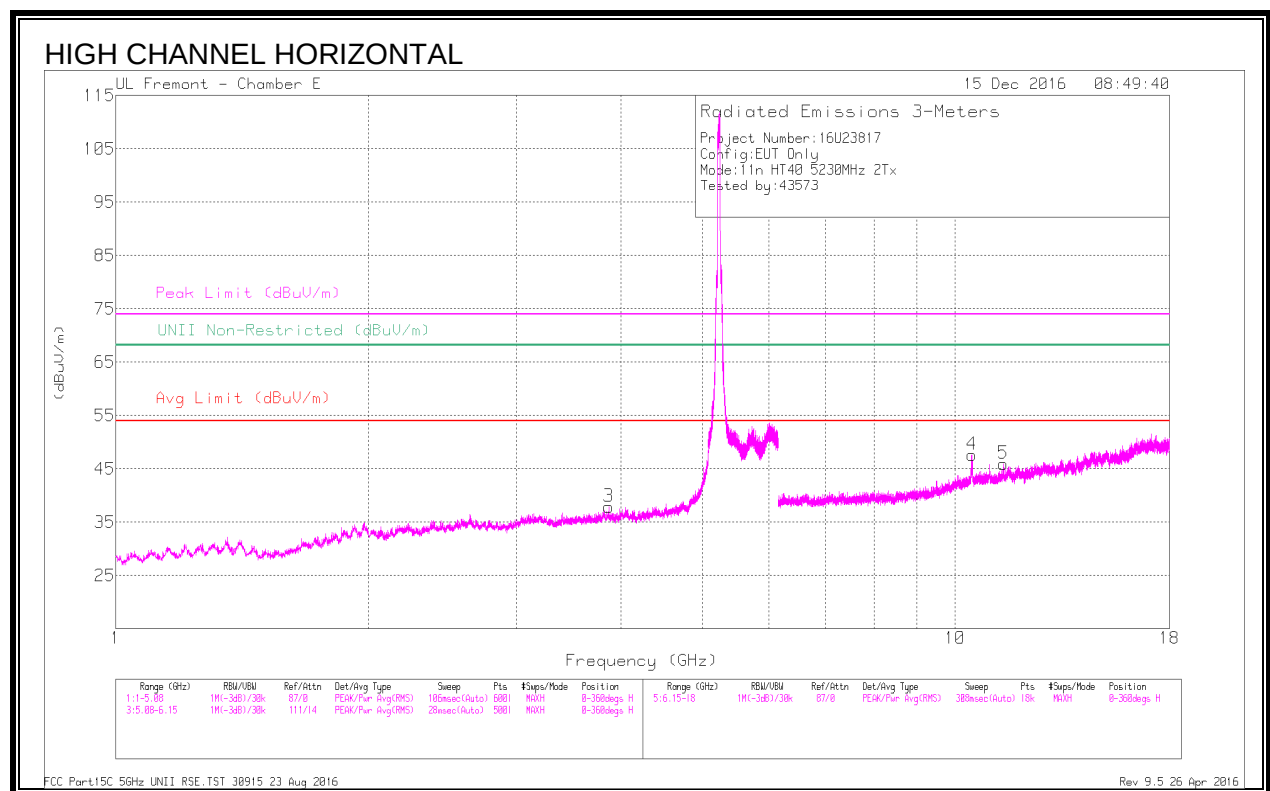
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/CA/Ret/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)	Altitude (Dgts)	Height (cm)	Polarity
1	* 3.261	40.96	PK-U	32.9	-31	0	42.86	-	-	74	-31.14	-	-	284	289	H
	* 3.26	29.46	ADR	32.9	-31	.11	31.47	54	-22.53	-	-	-	-	284	289	H
2	* 4.571	39.61	PK-U	33.8	-29.2	0	44.21	-	-	74	-29.79	-	-	1	274	V
	* 4.57	28.9	ADR	33.8	-29.2	.11	33.61	54	-20.39	-	-	-	-	1	274	V
3	* 7.715	37.89	PK-U	35.7	-27.1	0	46.49	-	-	74	-27.51	-	-	184	102	V
	* 7.717	26.84	ADR	35.7	-27.1	.11	35.55	54	-18.45	-	-	-	-	184	102	V
4	10.385	40.21	PK-U	37.8	-23.1	0	54.91	-	-	-	-	68.2	-13.29	211	357	H
5	10.384	44.53	PK-U	37.8	-23.1	0	59.23	-	-	-	-	68.2	-8.97	80	196	V
6	* 12.071	36.82	PK-U	39	-24.6	0	51.22	-	-	74	-22.78	-	-	157	196	H
	* 12.07	26	ADR	39	-24.6	.11	40.51	54	-13.49	-	-	-	-	157	196	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



Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Af T711 (dB/m)	Amp/Ch/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNI Non-Restricted (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	2.652	41.48	PK-U	32.6	-31.1	0	42.98	-	-	-	-	68.2	-25.22	346	320	V
2	* 4.005	39.95	PK-U	33.1	-29.6	0	43.45	-	-	74	-30.55	-	-	97	131	V
	* 4.002	29.29	ADR	33.1	-29.7	.11	32.8	54	-21.2	-	-	-	-	97	131	V
3	* 3.864	39.91	PK-U	33.2	-29.6	0	43.51	-	-	74	-30.49	-	-	231	294	H
	* 3.866	29.2	ADR	33.3	-29.7	.11	32.91	54	-21.09	-	-	-	-	231	294	H
4	10.466	41.15	PK-U	37.8	-24.1	0	54.85	-	-	-	-	68.2	-13.35	249	257	H
5	* 11.405	36.87	PK-U	38.2	-23	0	52.07	-	-	74	-21.93	-	-	198	256	H
	* 11.407	25.35	ADR	38.2	-22.9	.11	40.76	54	-13.24	-	-	-	-	198	256	H
6	10.454	43.46	PK-U	37.8	-23.9	0	57.36	-	-	-	-	68.2	-10.84	273	280	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