9.38. 802.11n HT20 2TX CDD MODE IN THE 5.8 GHz BAND

9.38.1. 6 dB BANDWIDTH

LIMITS

FCC §15.407 (e)

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

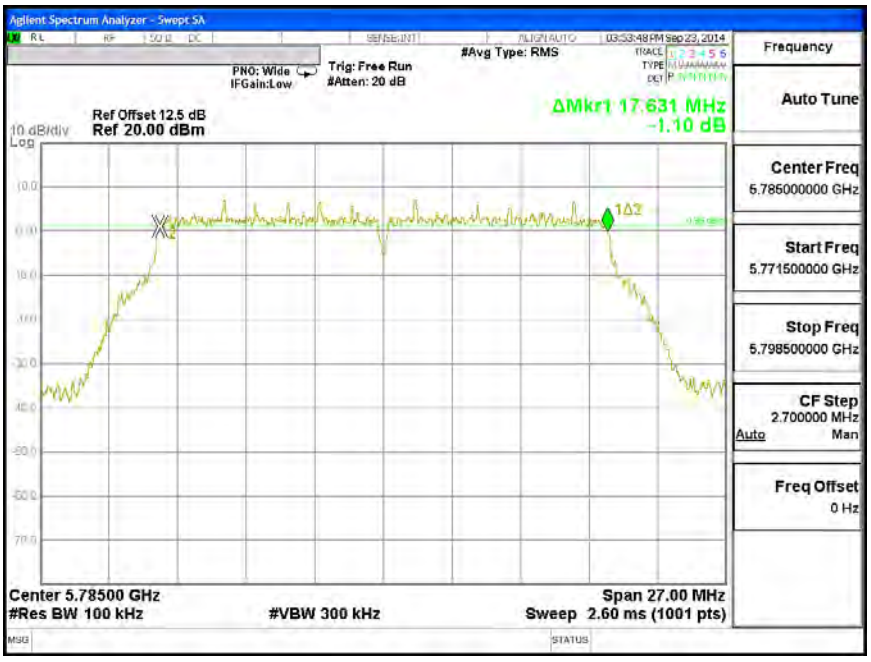
RESULTS

Channel	Frequency (MHz)	6 dB BW Chain 0 (MHz)	6 dB BW Chain 1 (MHz)	Minimum Limit (MHz)
Low	5745	17.712	17.658	0.5
Mid	5785	17.631	17.658	0.5
High	5825	17.631	17.712	0.5

6 dB BANDWIDTH, Chain 0

6 dB BANDWIDTH Chain 0 LOW CH

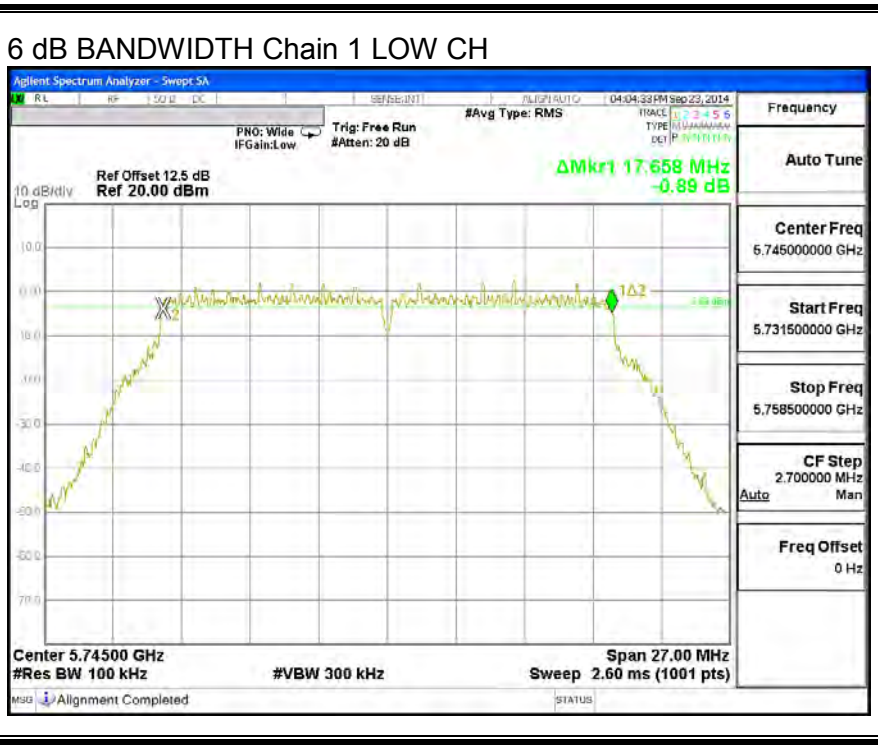
6 dB BANDWIDTH Chain 0 MID CH



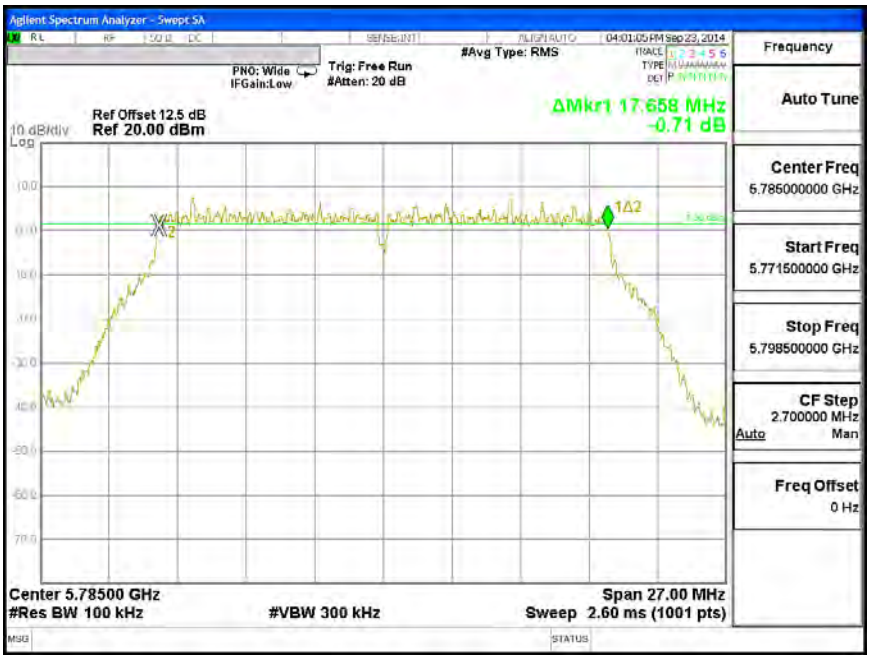
6 dB BANDWIDTH Chain 0 HIGH CH

6 dB BANDWIDTH, Chain 1

6 dB BANDWIDTH Chain 1 LOW CH



6 dB BANDWIDTH Chain 1 MID CH



6 dB BANDWIDTH Chain 1 HIGH CH

9.38.2. 26 dB BANDWIDTH

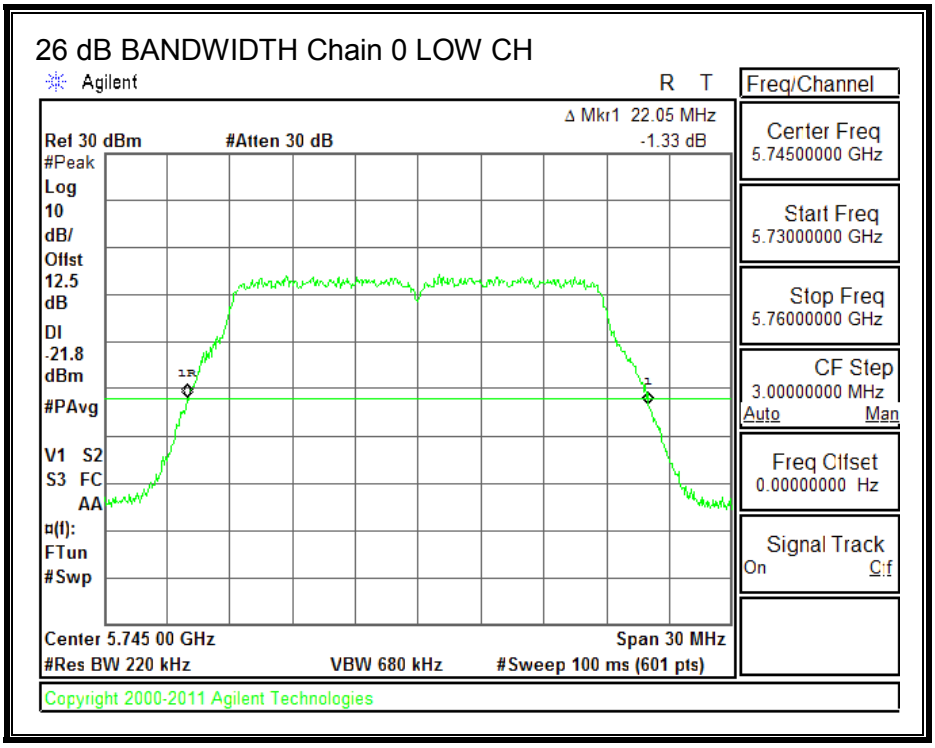
LIMITS

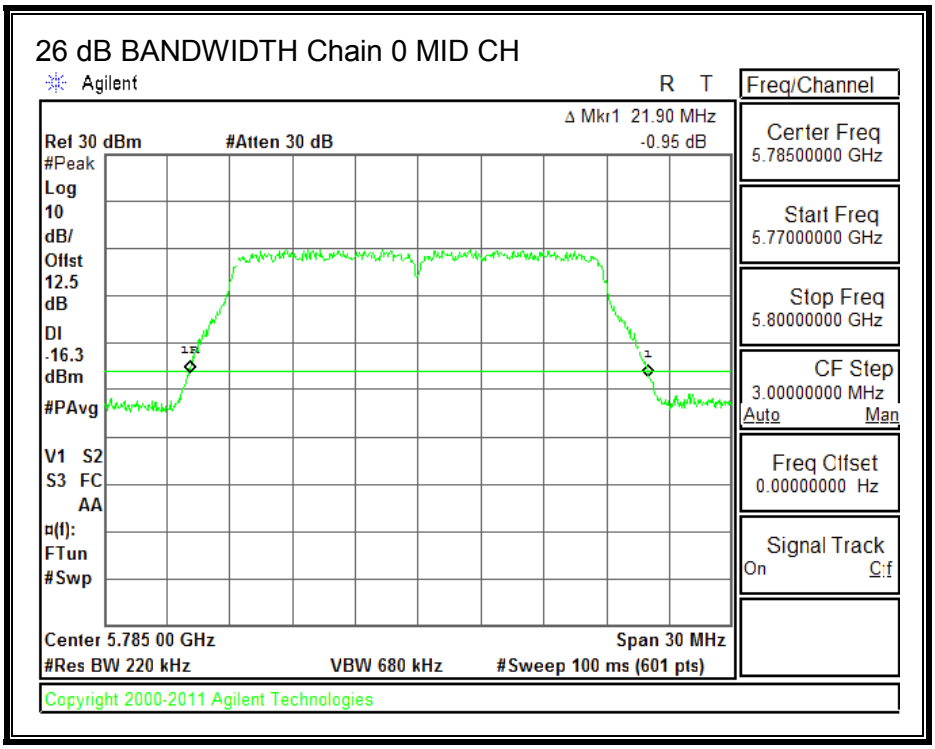
None, for reporting purposes only.

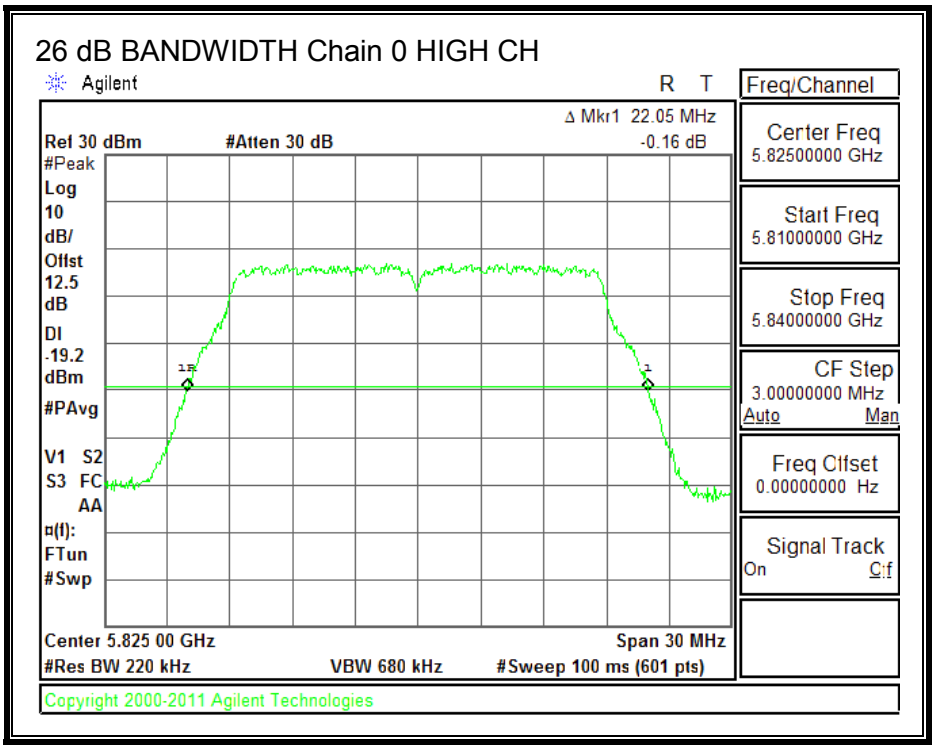
RESULTS

Channel	Frequency (MHz)	26 dB BW Chain 0 (MHz)	26 dB BW Chain 1 (MHz)
Low	5745	22.05	22.00
Mid	5785	21.90	21.70
High	5825	22.05	22.00

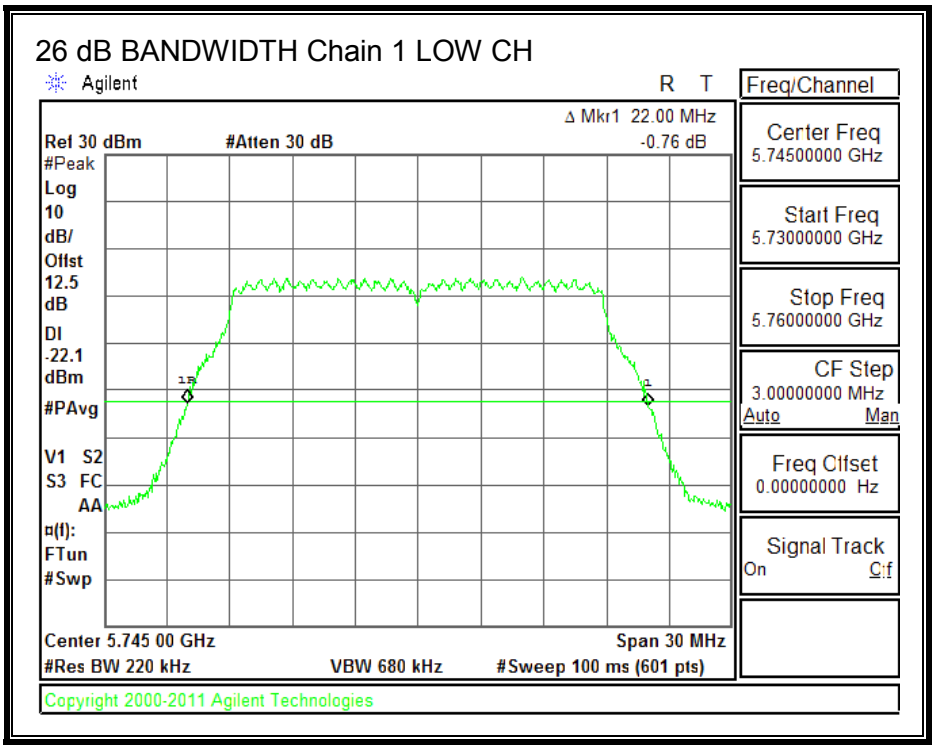
26 dB BANDWIDTH, Chain 0

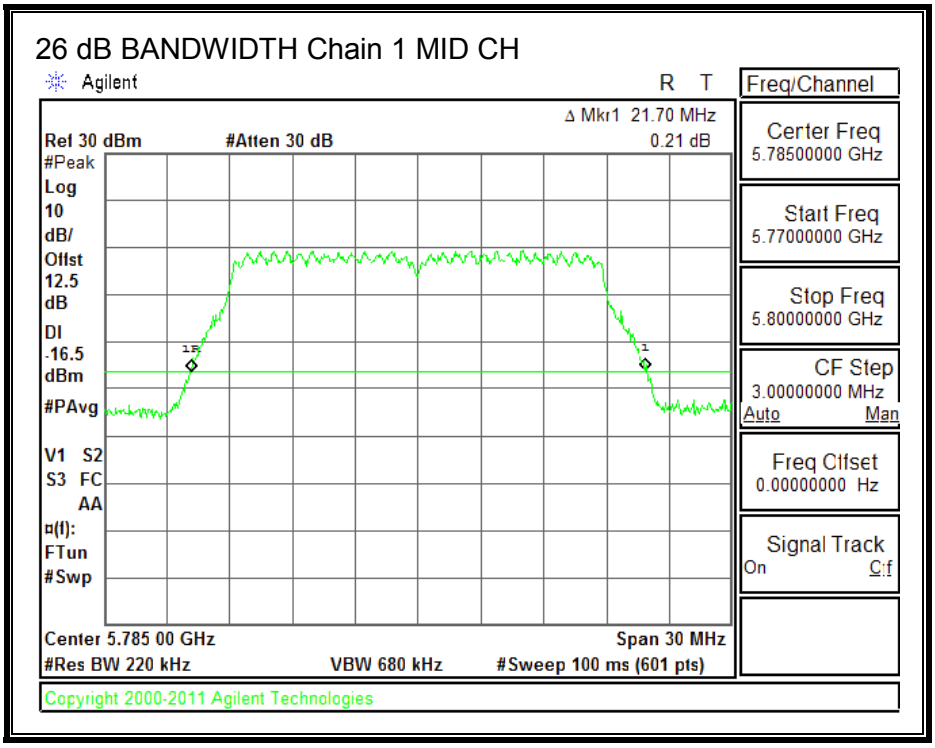


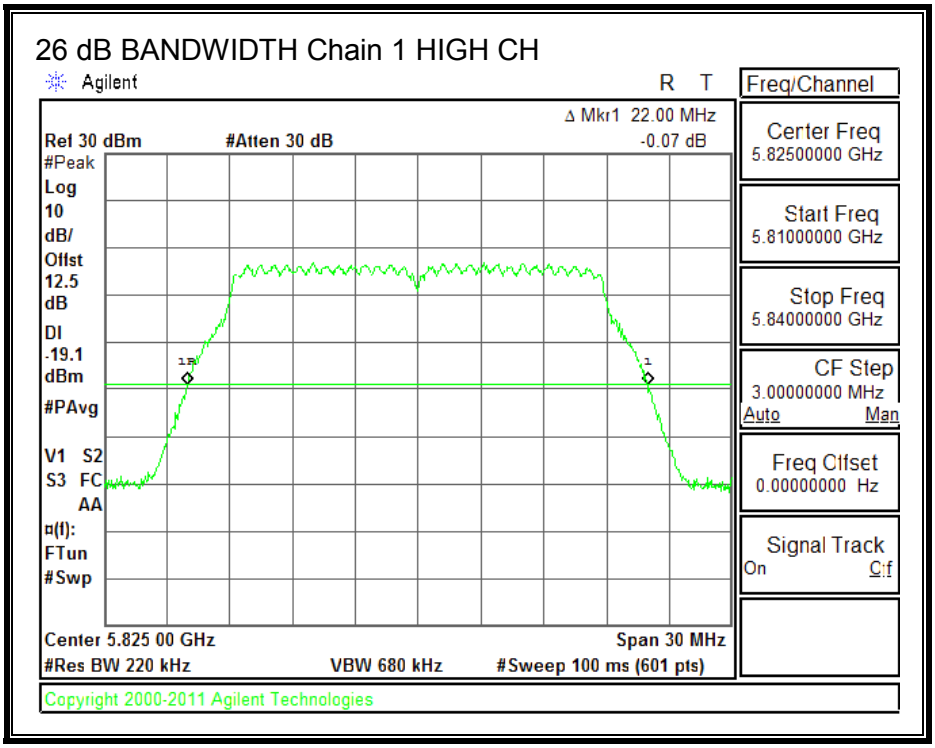




26 dB BANDWIDTH, Chain 1







9.38.3. 99% BANDWIDTH

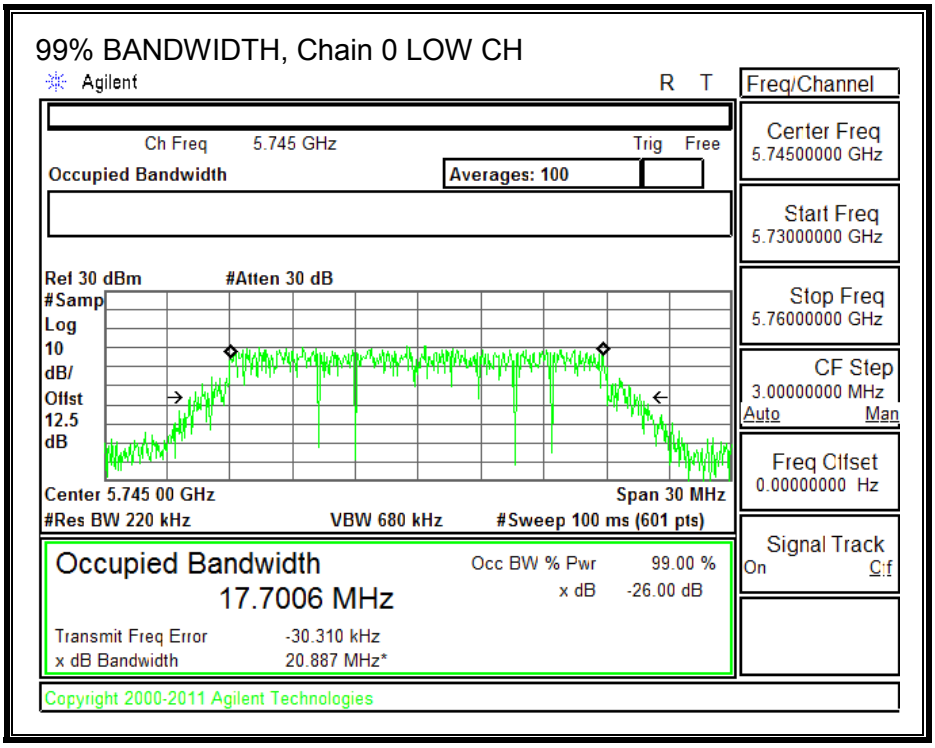
LIMITS

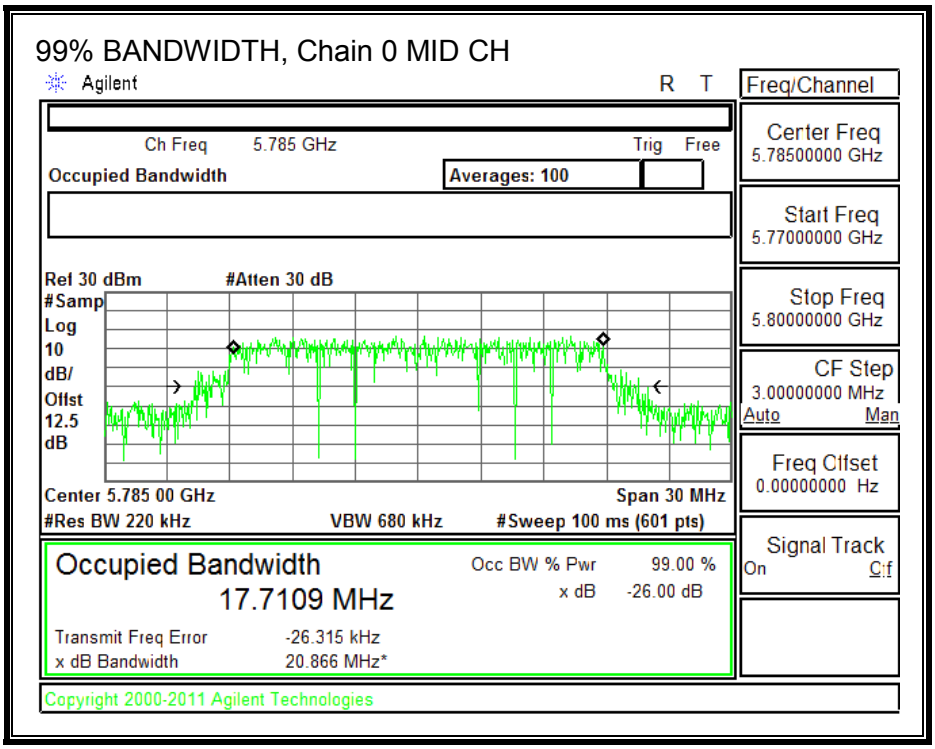
None; for reporting purposes only.

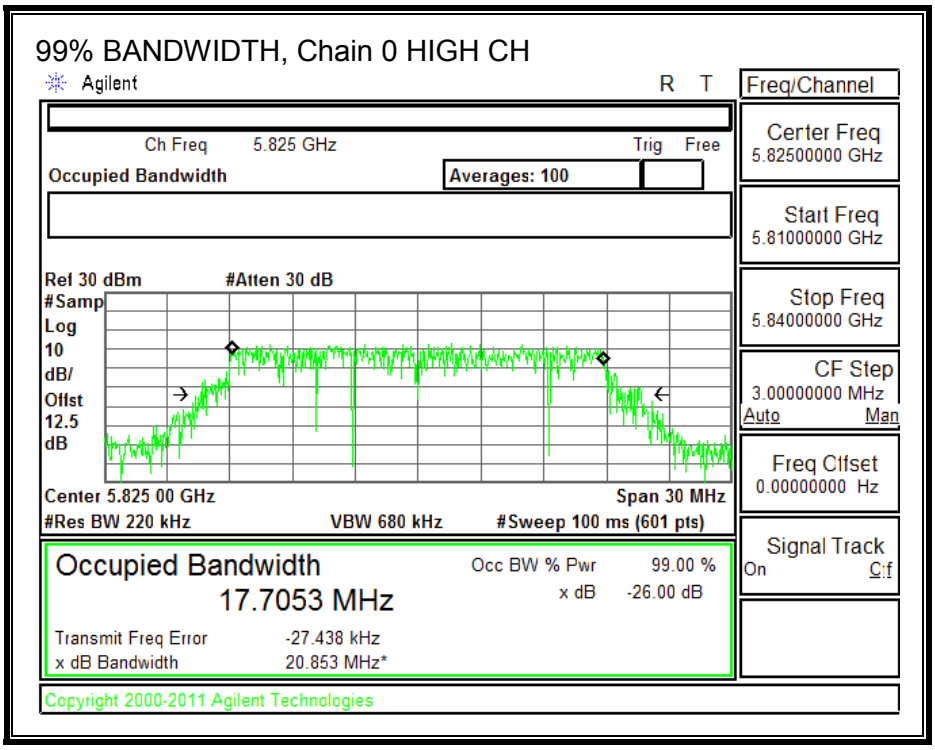
RESULTS

Channel	Frequency (MHz)	99% BW Chain 0 (MHz)	99% BW Chain 1 (MHz)
Low	5745	17.7006	17.7151
Mid	5785	17.7109	17.7129
High	5825	17.7053	17.6985

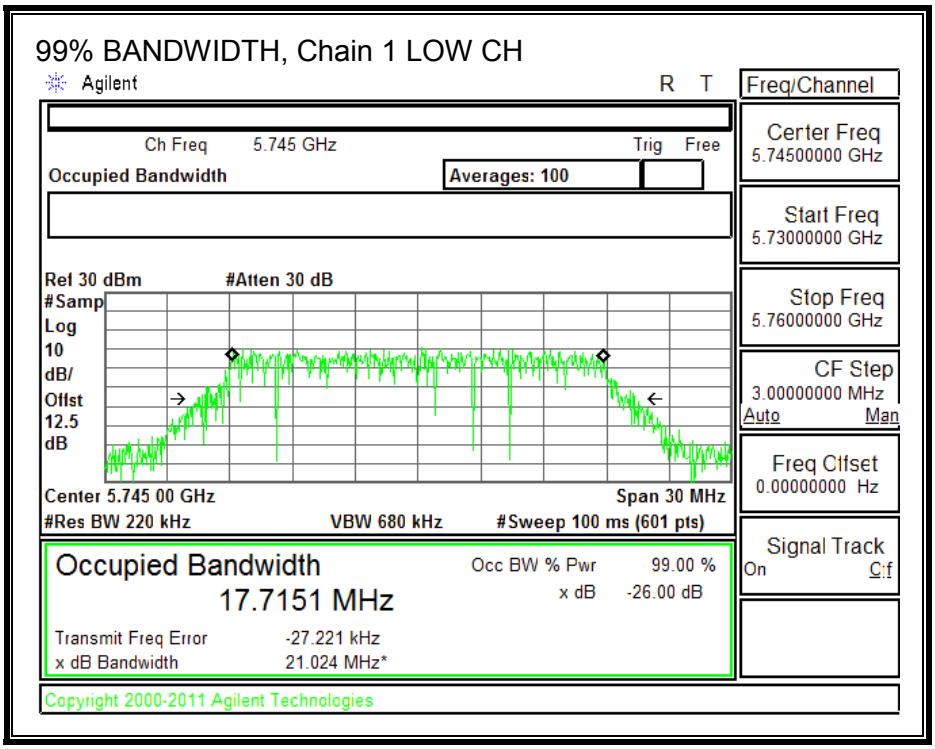
99% BANDWIDTH, Chain 0

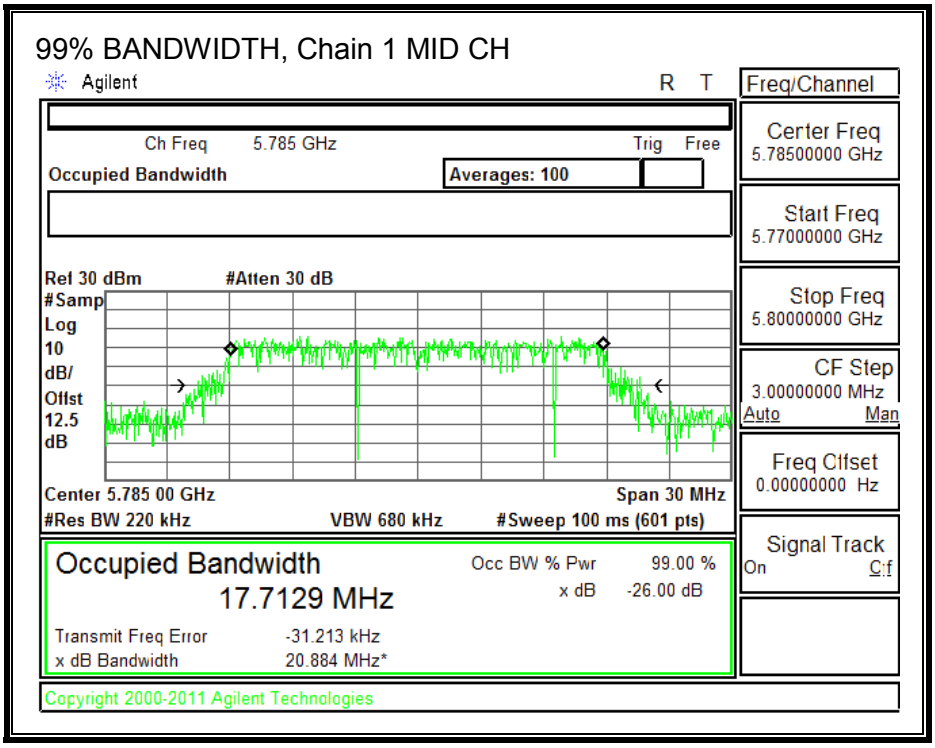


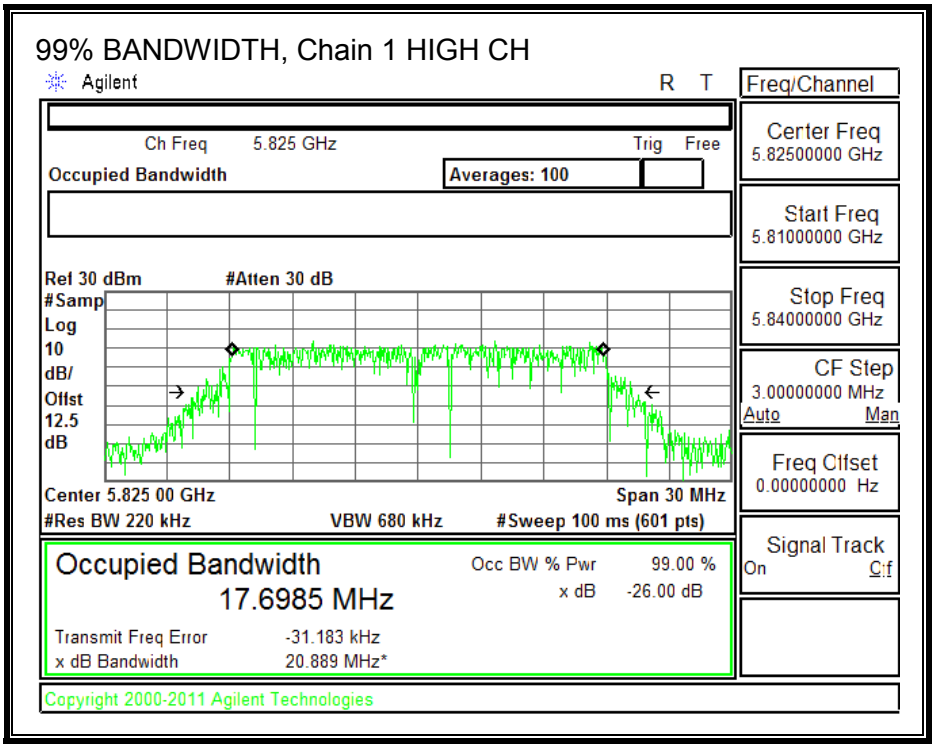




99% BANDWIDTH, Chain 1







9.38.4. 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.

DIRECTIONAL ANTENNA GAIN

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

Chain 0 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)
4.78	5.26	5.03

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

Chain 0 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Correlated Chains Directional Gain (dBi)
4.78	5.26	8.03

RESULTS

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)
Low	5745	5.03	30.00
Mid	5785	5.03	30.00
High	5825	5.03	30.00

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

Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	16.36	16.44	19.41	30.00	-10.59
Mid	5785	17.93	17.92	20.94	30.00	-9.06
High	5825	16.89	17.00	19.96	30.00	-10.04

9.38.5. MAXIMUM POWER SPECTRAL DENSITY (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 uncorrelated and the antenna gain is unequal among the chains. The directional gain is:

Chain 0 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)
4.78	5.26	5.03

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

Chain 0 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Correlated Chains Directional Gain (dBi)
4.78	5.26	8.03

RESULTS

Antenna Gain and Limits

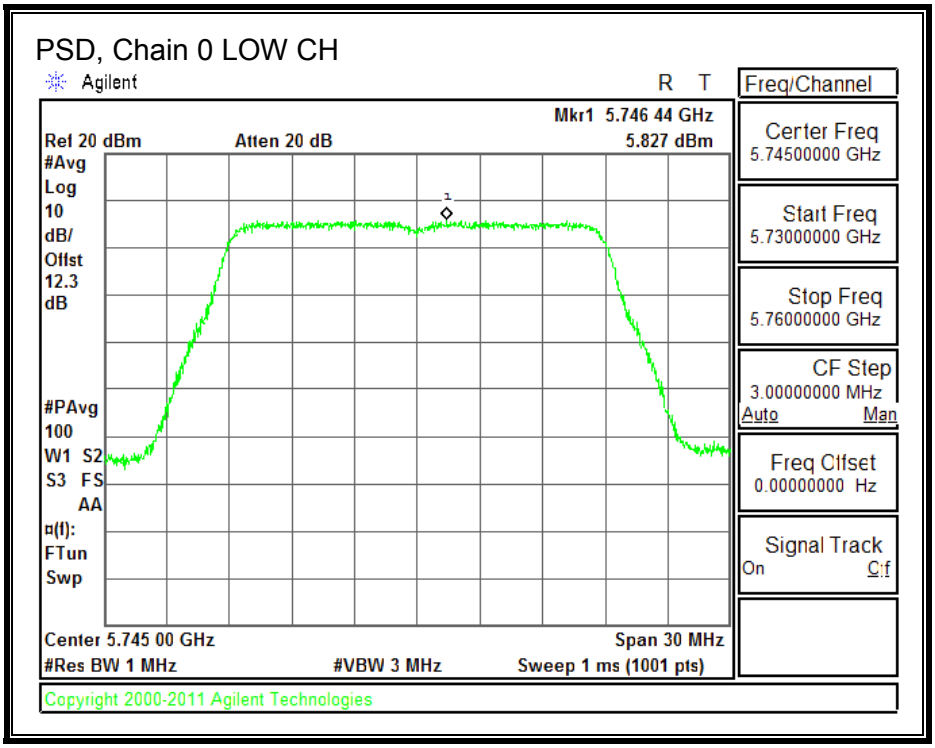
Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm)
Low	5745	8.03	27.97
Mid	5785	8.03	27.97
High	5825	8.03	27.97

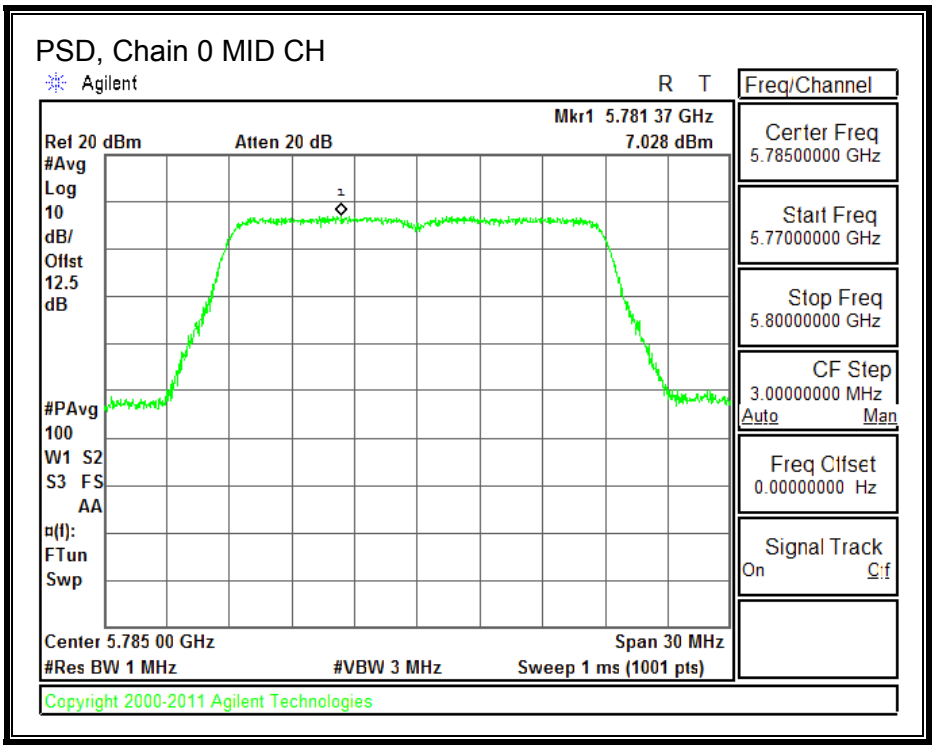
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD

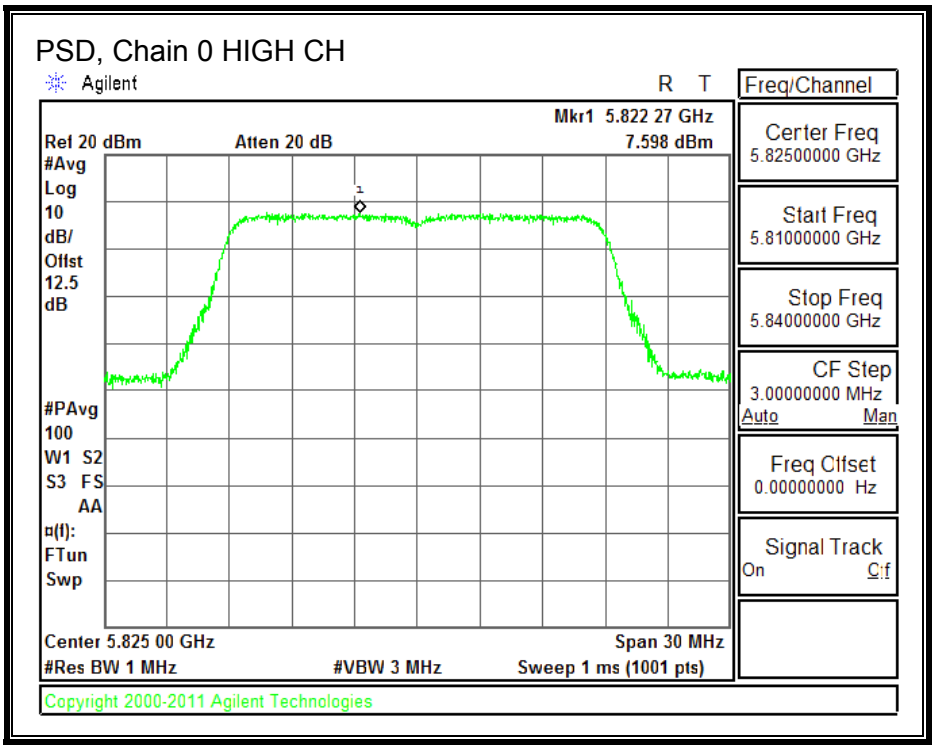
PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm)	Chain 1 Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Low	5745	5.83	5.87	8.86	27.97	-19.11
Mid	5785	7.03	7.30	10.17	27.97	-17.80
High	5825	7.60	7.90	10.76	27.97	-17.21

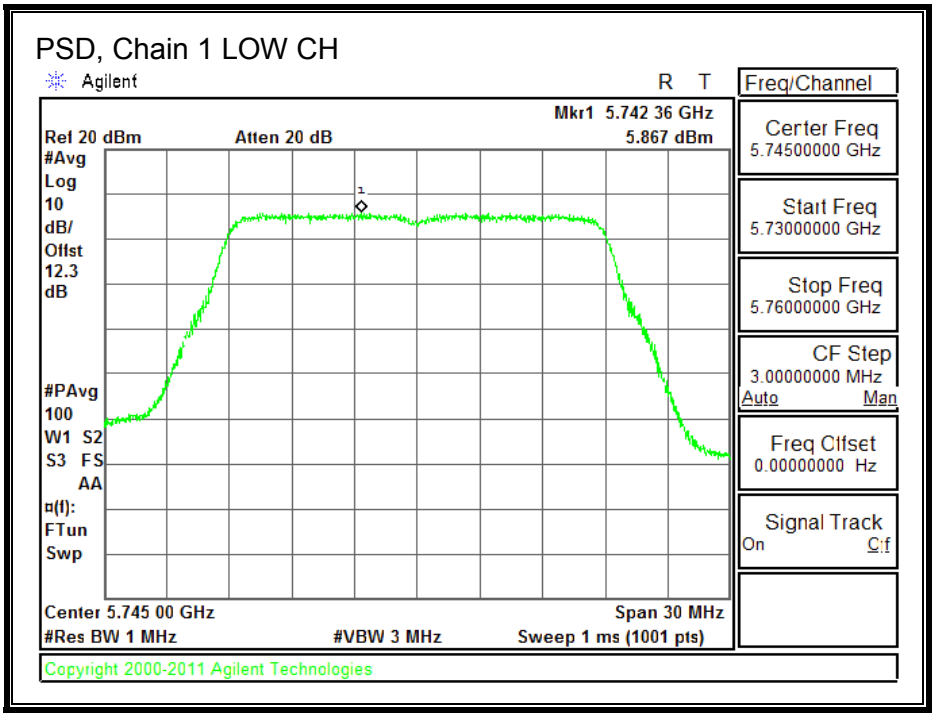
PSD, Chain 0



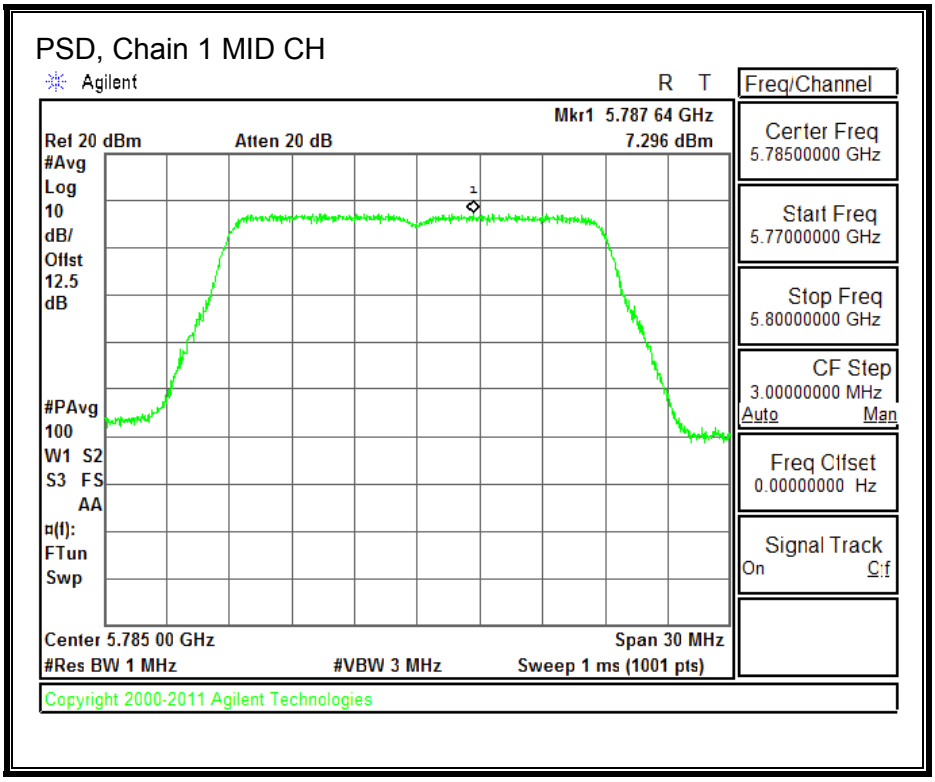




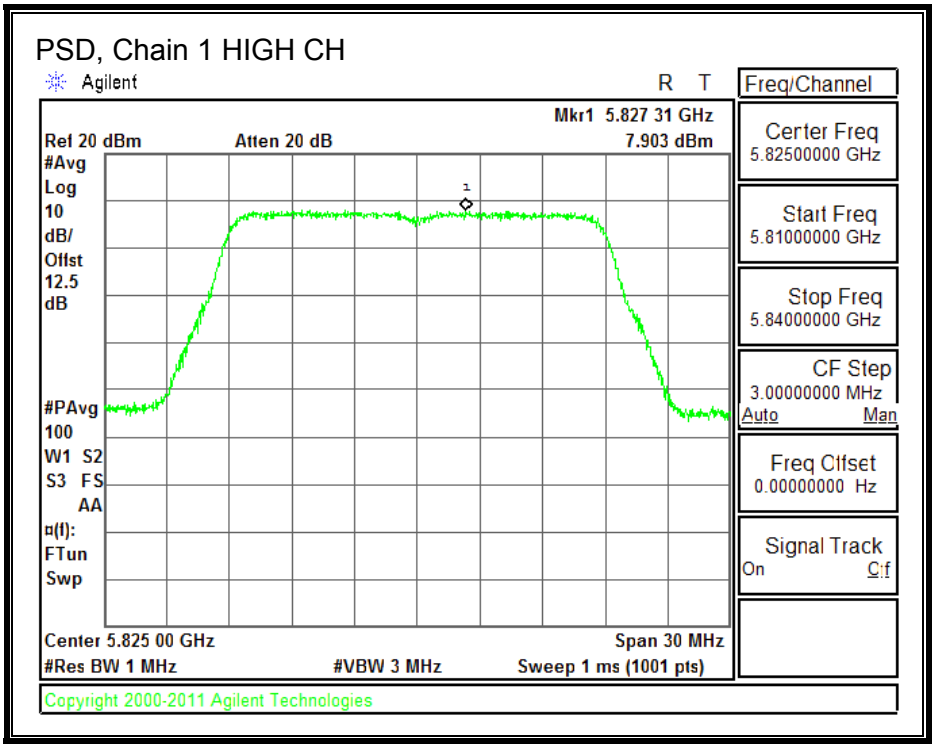
PSD, Chain 1



PSD, Chain 1 MID CH



PSD, Chain 1 HIGH CH



9.39. 802.11n HT20 2TX STBC MODE IN THE 5.8 GHz BAND

9.39.1. 6 dB BANDWIDTH

LIMITS

FCC §15.407 (e)

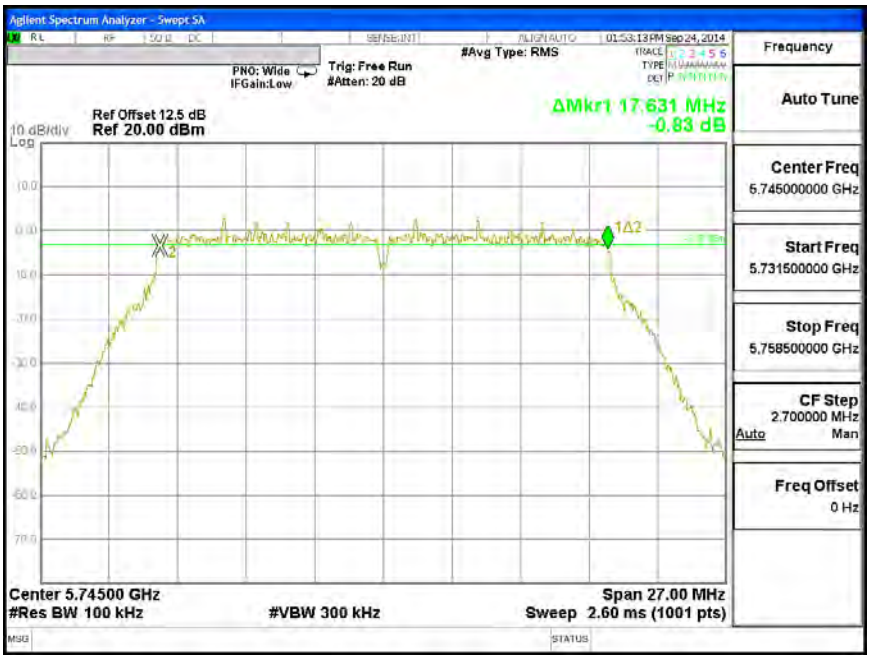
The minimum 6 dB bandwidth shall be at least 500 kHz.

RESULTS

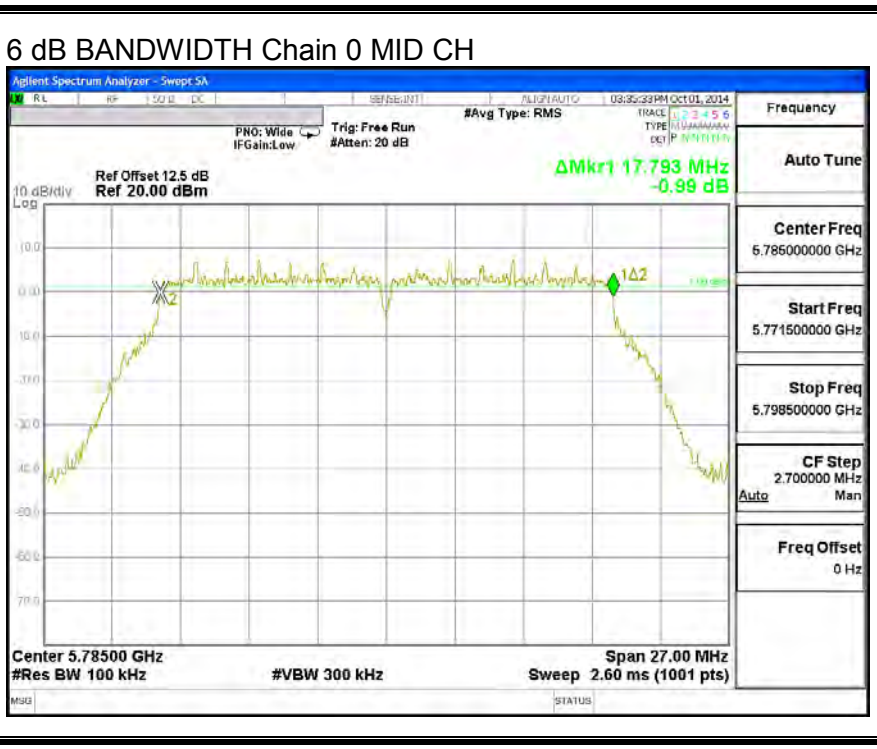
Channel	Frequency (MHz)	6 dB BW Chain 0 (MHz)	6 dB BW Chain 1 (MHz)	Minimum Limit (MHz)
Low	5745	17.631	17.739	0.5
Mid	5785	17.793	17.739	0.5
High	5825	17.685	17.712	0.5

6 dB BANDWIDTH, Chain 0

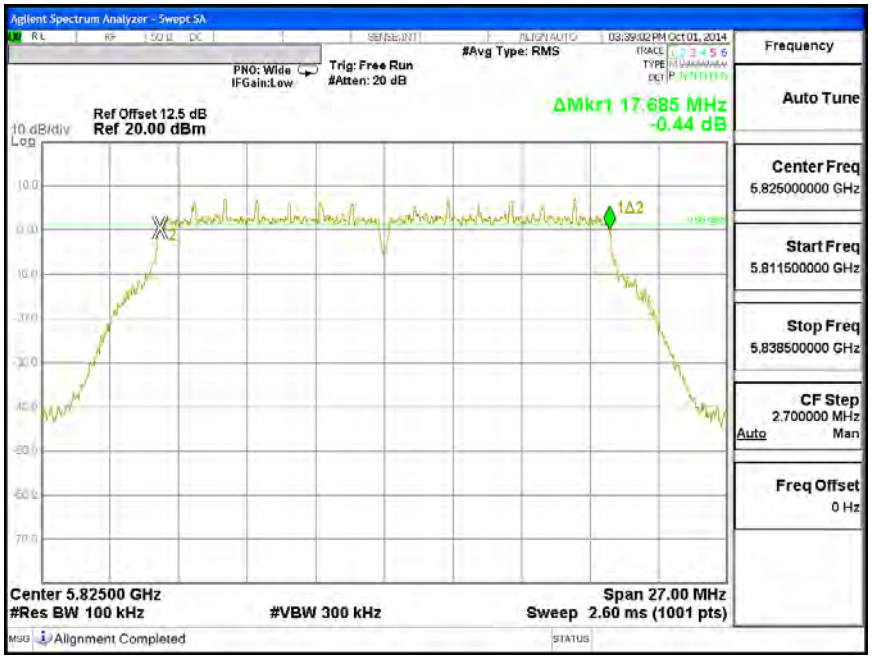
6 dB BANDWIDTH Chain 0 LOW CH



6 dB BANDWIDTH Chain 0 MID CH

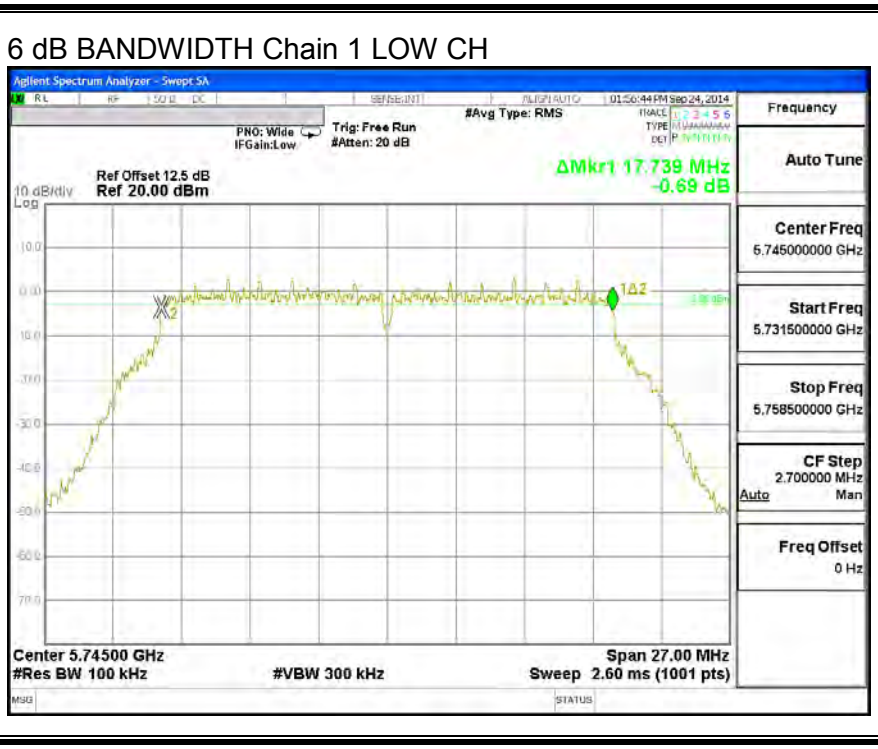


6 dB BANDWIDTH Chain 0 HIGH CH

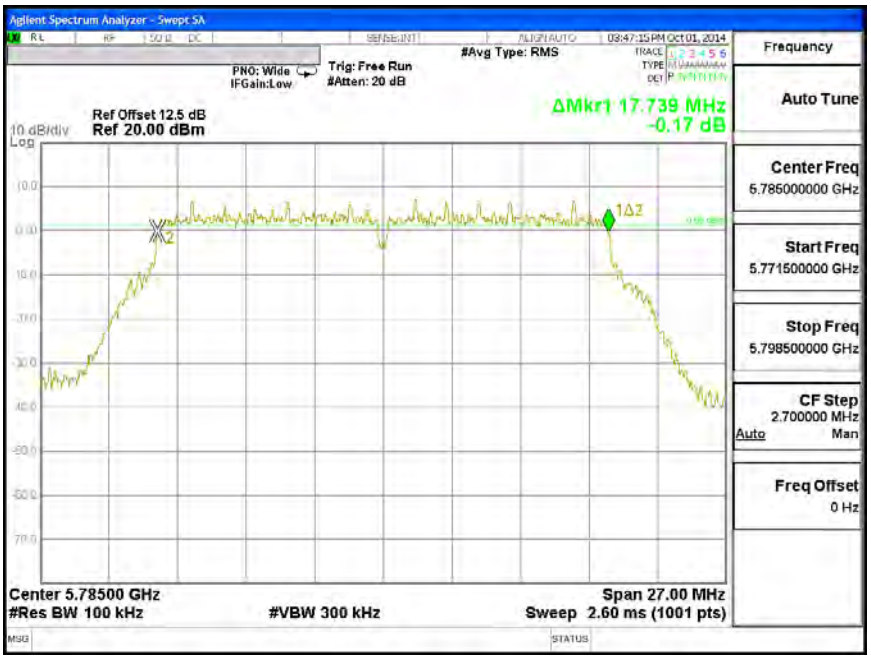


6 dB BANDWIDTH, Chain 1

6 dB BANDWIDTH Chain 1 LOW CH



6 dB BANDWIDTH Chain 1 MID CH



6 dB BANDWIDTH Chain 1 HIGH CH

9.39.2. 26 dB BANDWIDTH

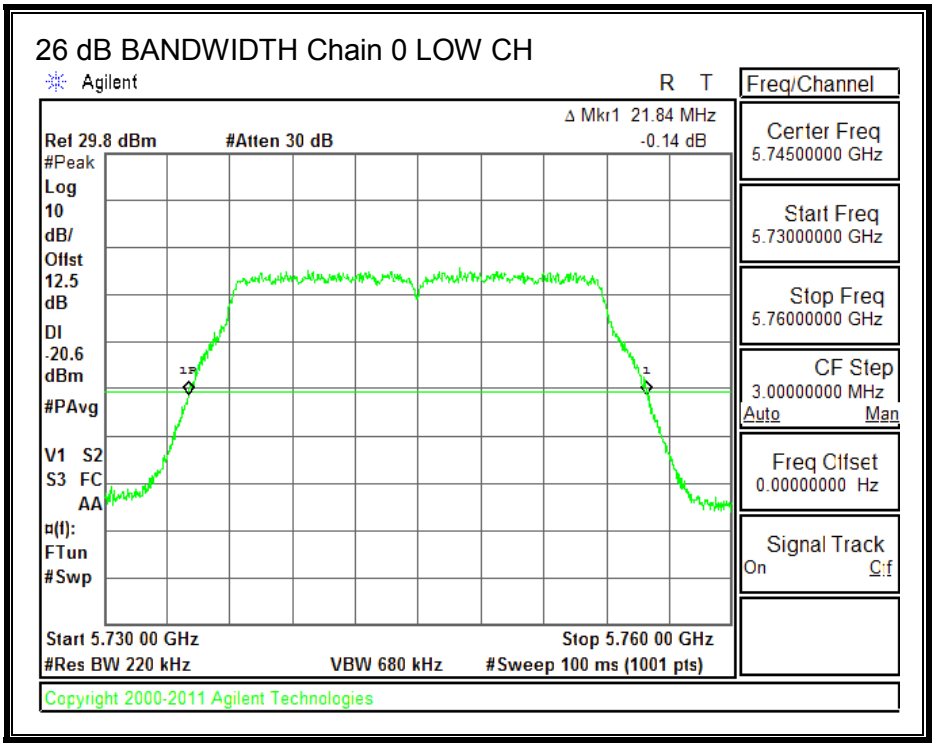
LIMITS

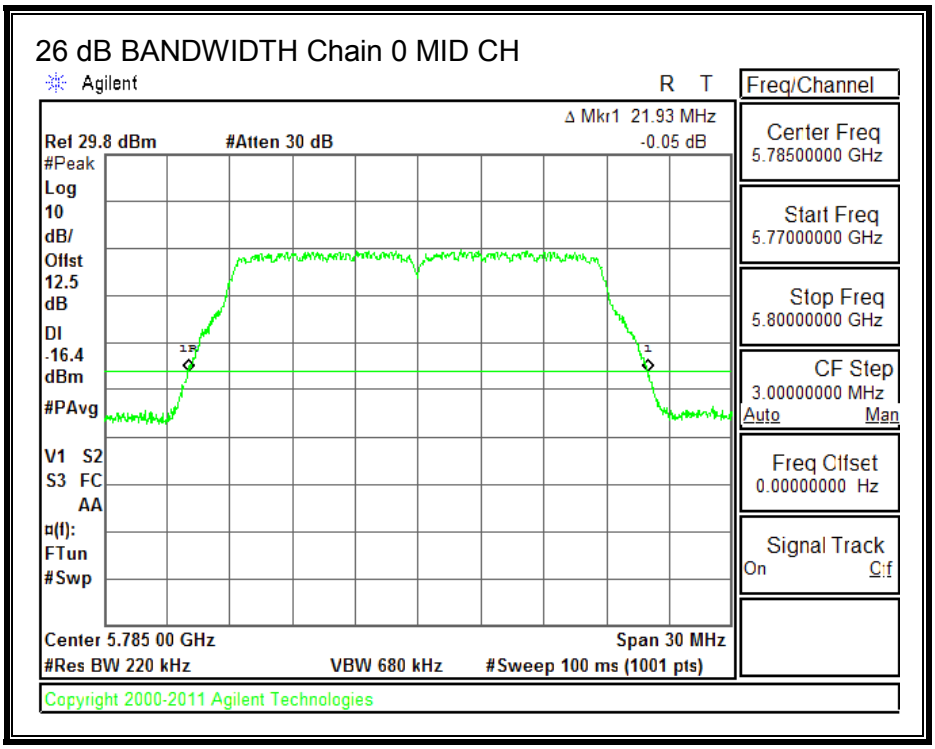
None, for reporting purposes only.

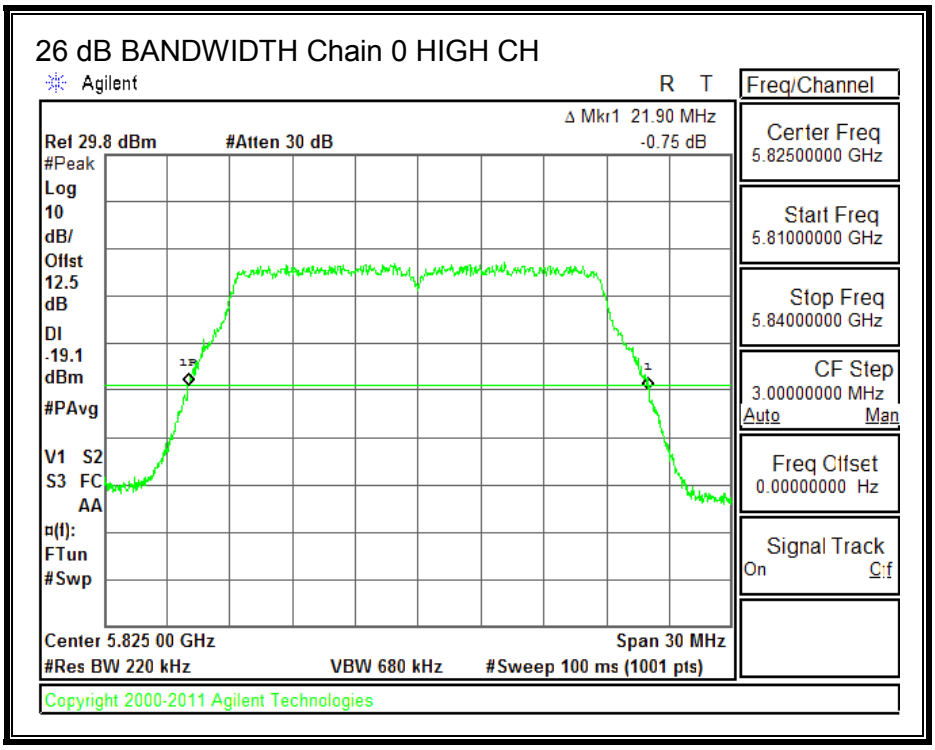
RESULTS

Channel	Frequency (MHz)	26 dB BW Chain 0 (MHz)	26 dB BW Chain 1 (MHz)
Low	5745	21.84	21.90
Mid	5785	21.93	21.96
High	5825	21.90	21.99

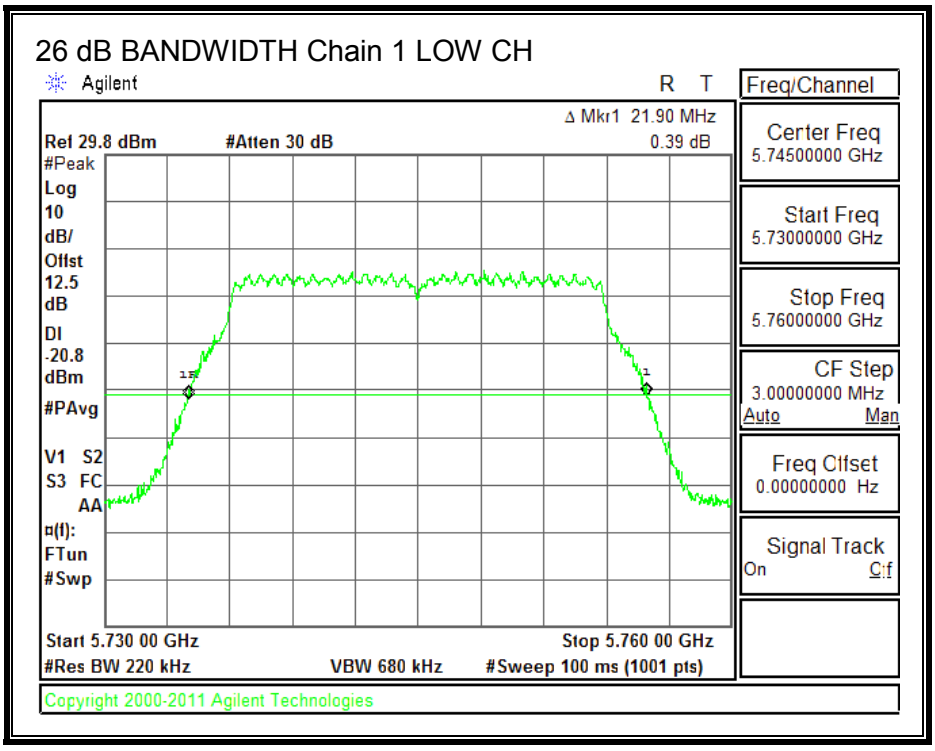
26 dB BANDWIDTH, Chain 0

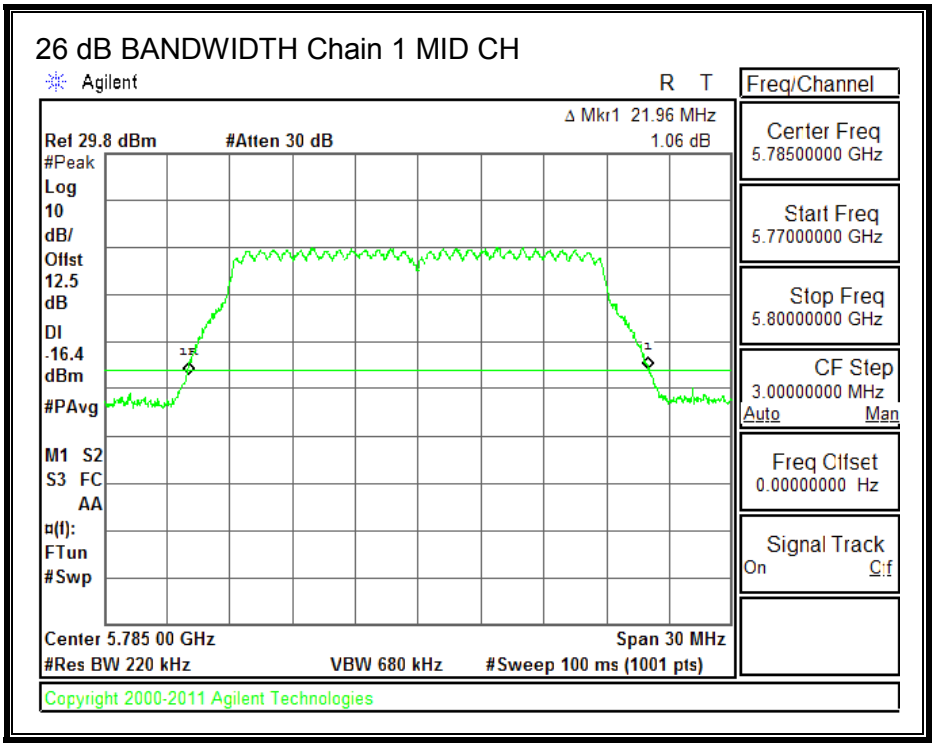


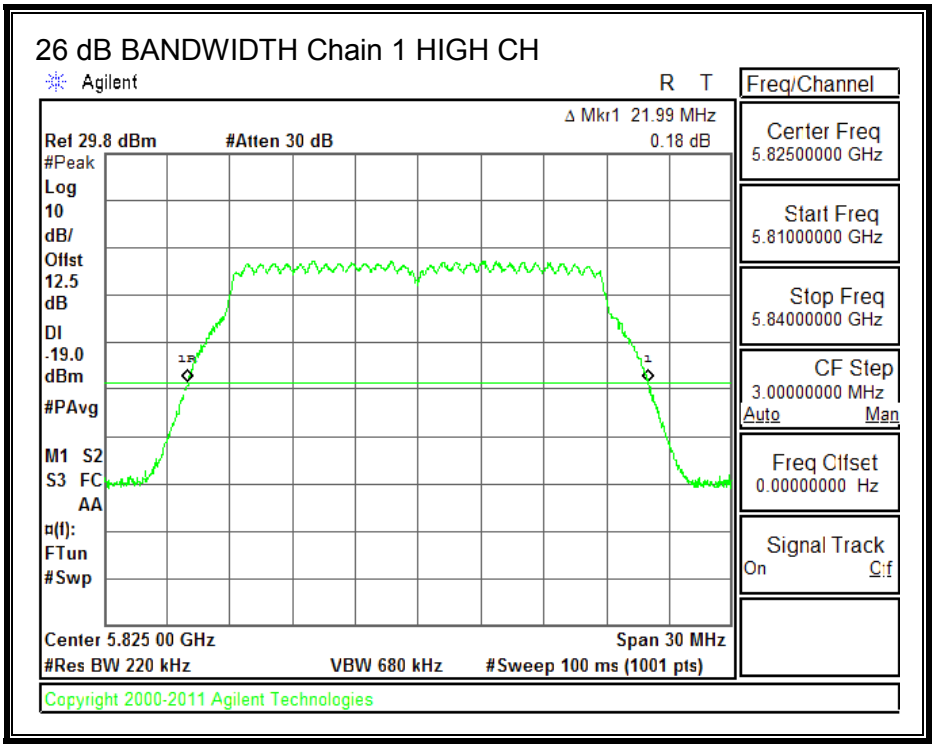




26 dB BANDWIDTH, Chain 1







9.39.3. 99% BANDWIDTH

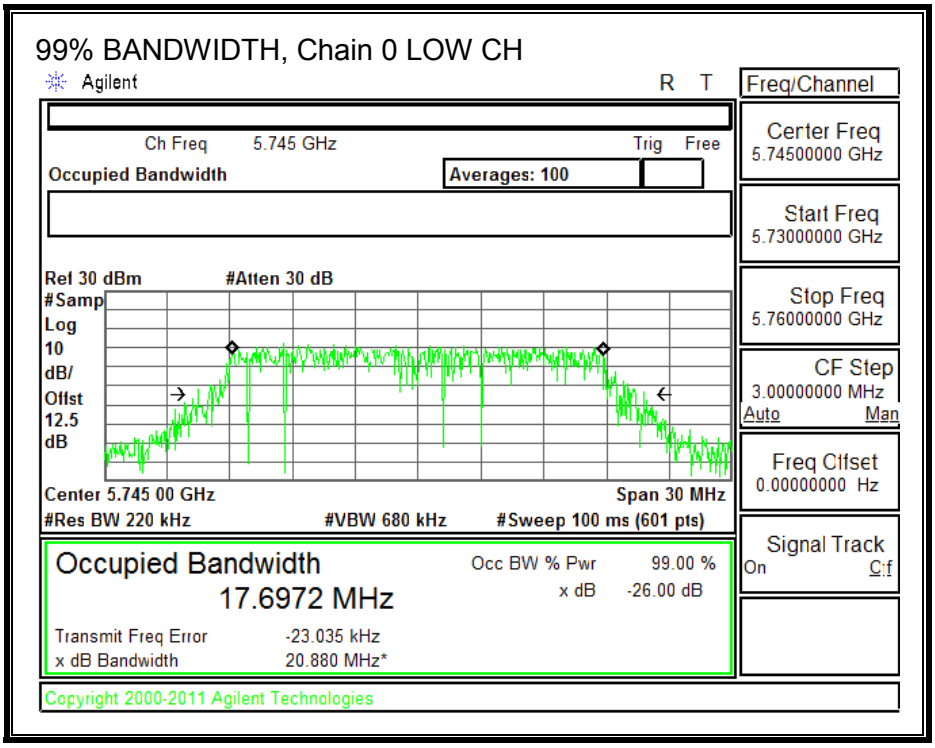
LIMITS

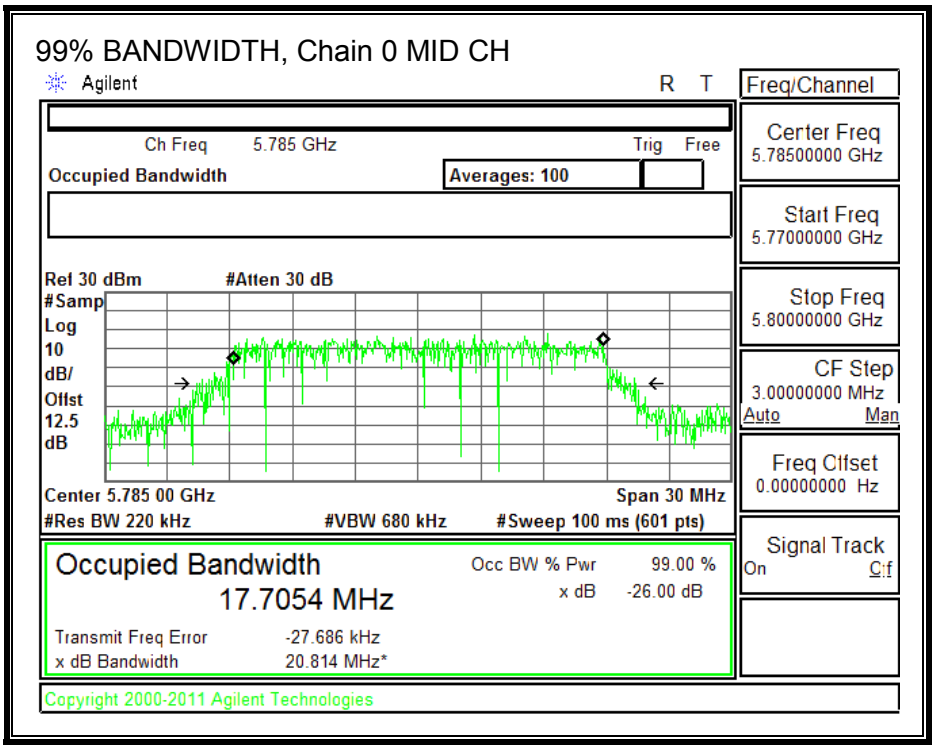
None; for reporting purposes only.

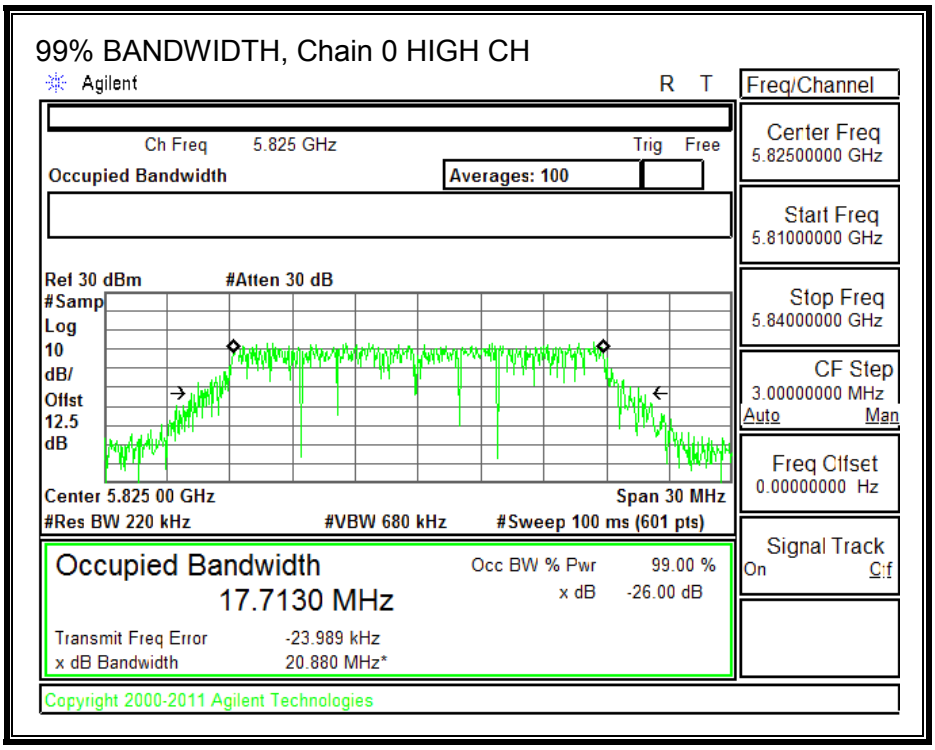
RESULTS

Channel	Frequency (MHz)	99% BW Chain 0 (MHz)	99% BW Chain 1 (MHz)
Low	5745	17.6972	17.7132
Mid	5785	17.7054	17.7102
High	5825	17.7130	17.7123

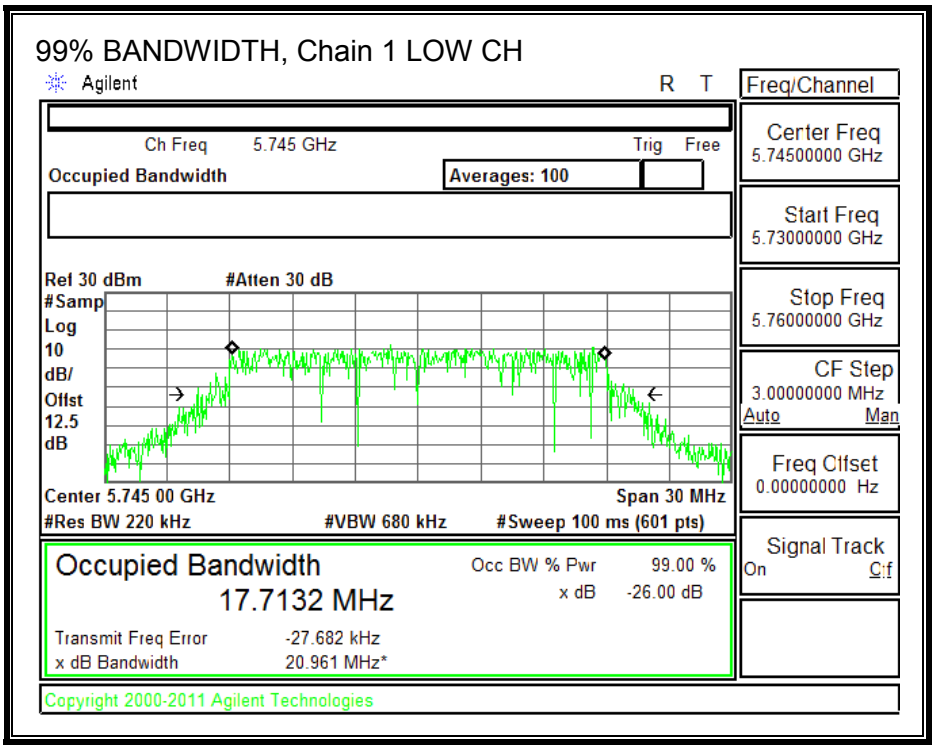
99% BANDWIDTH, Chain 0

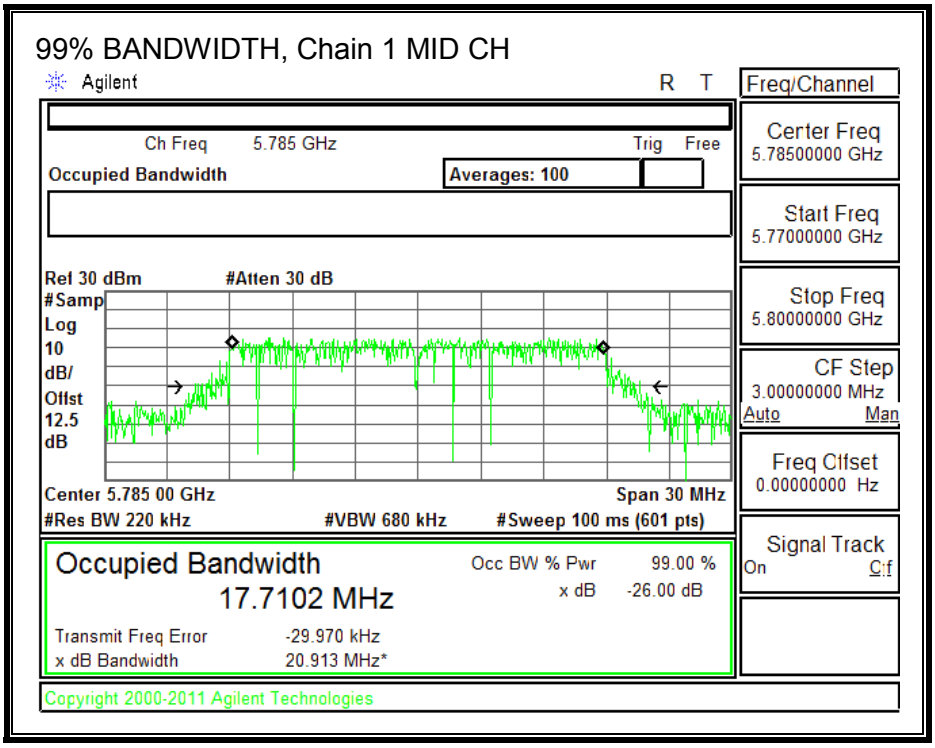


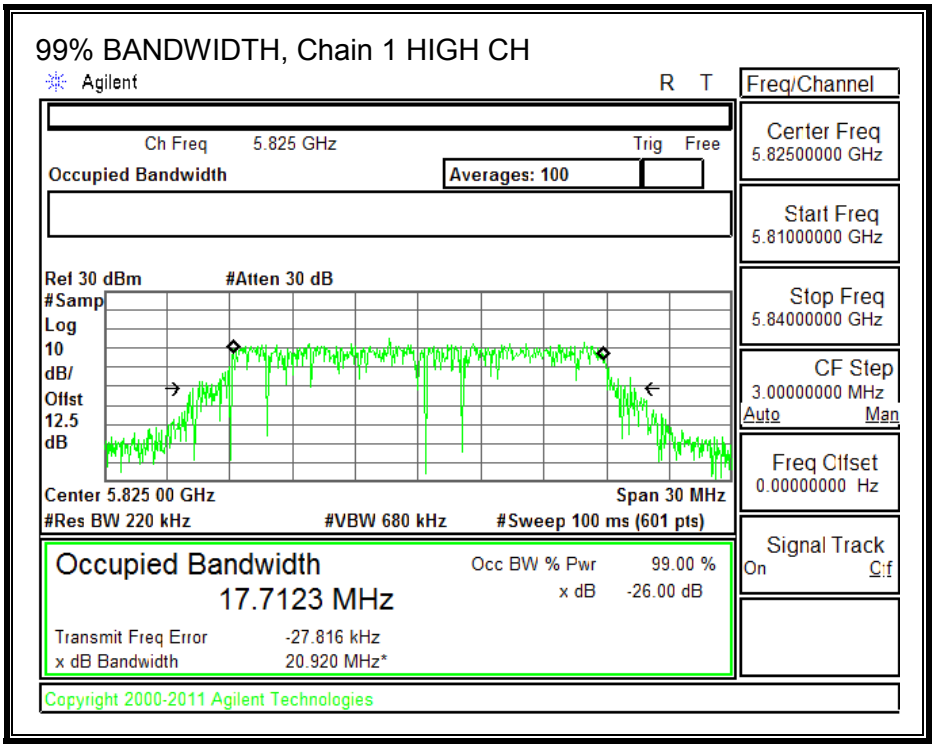




99% BANDWIDTH, Chain 1







9.39.4. 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.

DIRECTIONAL ANTENNA GAIN

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

Chain 0 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)
4.78	5.26	5.03

RESULTS

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)
Low	5745	5.03	30.00
Mid	5785	5.03	30.00
High	5825	5.03	30.00

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

Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	16.35	16.37	19.37	30.00	-10.63
Mid	5785	17.83	17.72	20.79	30.00	-9.21
High	5825	16.90	17.00	19.96	30.00	-10.04

9.39.5. MAXIMUM POWER SPECTRAL DENSITY (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 uncorrelated and the antenna gain is unequal among the chains. The directional gain is:

Chain 0 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)
4.78	5.26	5.03

RESULTS

Antenna Gain and Limits

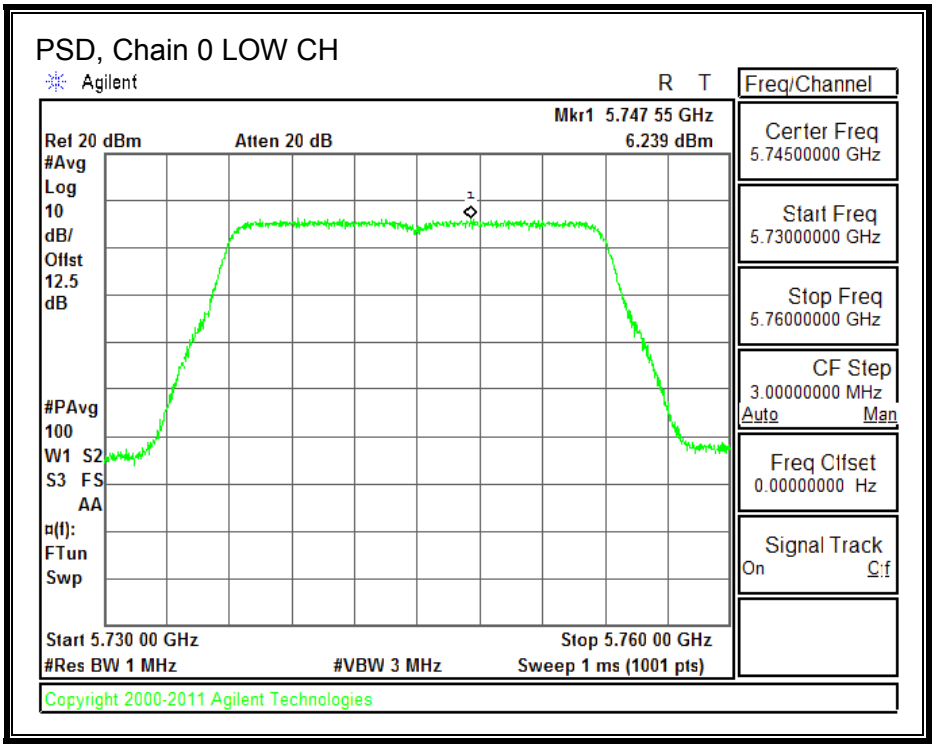
Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm)
Low	5745	5.03	30.00
Mid	5785	5.03	30.00
High	5825	5.03	30.00

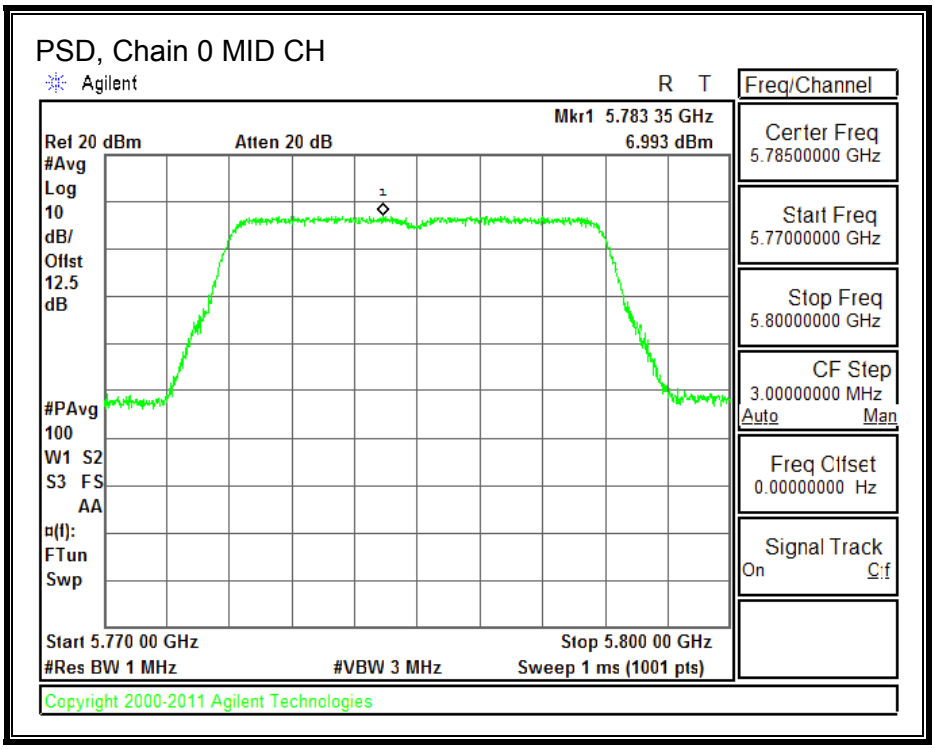
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD

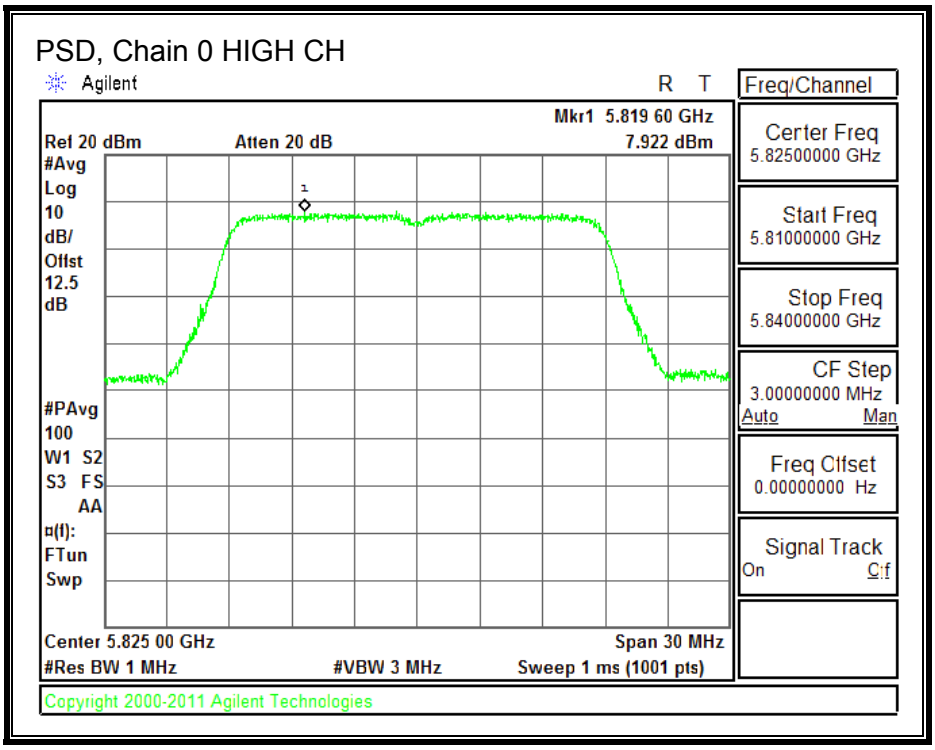
PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm)	Chain 1 Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Low	5745	6.24	6.20	9.23	30.00	-20.77
Mid	5785	6.99	7.23	10.12	30.00	-19.88
High	5825	7.92	8.15	11.05	30.00	-18.95

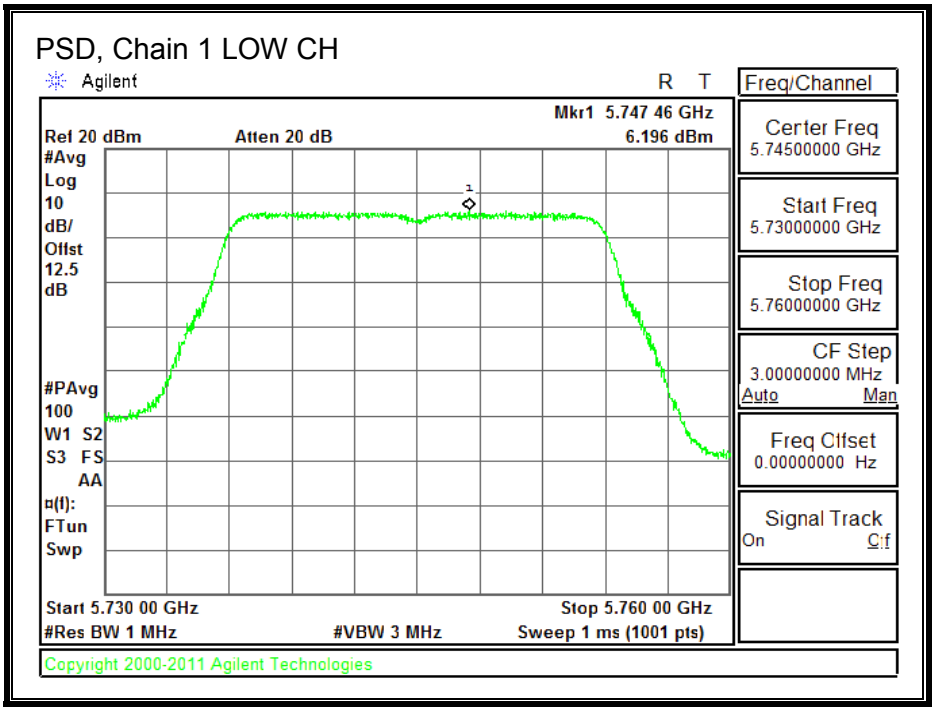
PSD, Chain 0



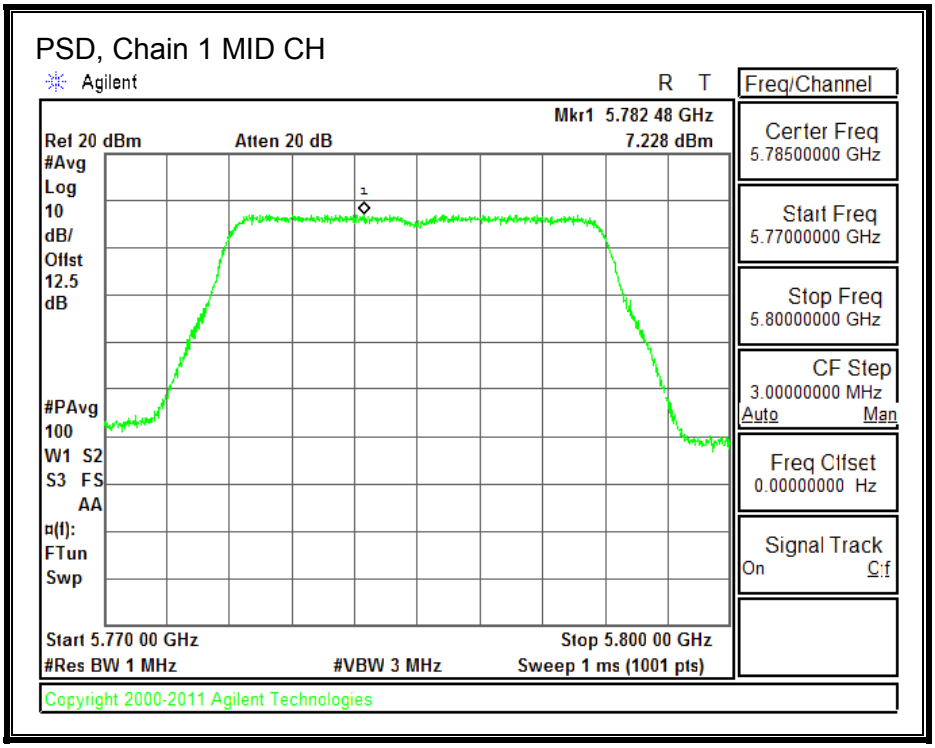




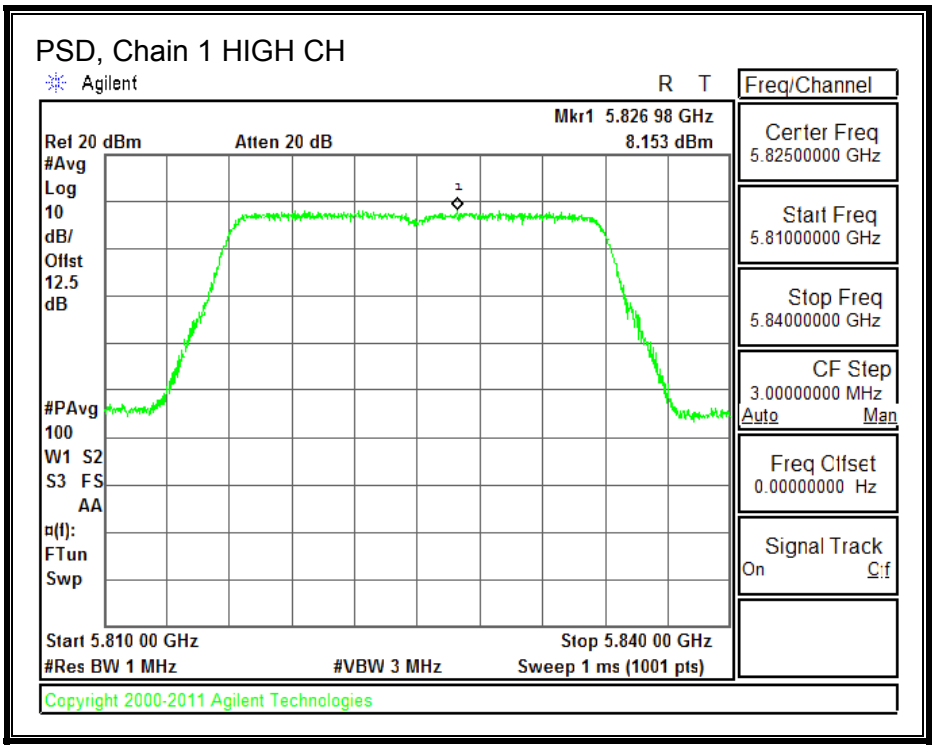
PSD, Chain 1



PSD, Chain 1 MID CH



PSD, Chain 1 HIGH CH



9.40. 802.11ac VHT20 2TX BF IN THE 5.8 GHz BAND

Refer to Section 9.38, 802.11n HT20 2TX CDD MODE IN THE 5.8 GHz BAND.

The power per chain used for 802.11n HT20 2TX CDD IN THE 5.8 GHz mode is the same power per chain that will be for 802.11n HT20 2TX BF IN THE 5.8 GHz mode. However, since BF is correlated and CDD is uncorrelated for output power, the section below for output power using correlated antenna gain for this mode shows it is still compliant.

9.40.1. 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.

DIRECTIONAL ANTENNA GAIN

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

Chain 0 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Correlated Chains Directional Gain (dBi)
4.78	5.26	8.03

RESULTS

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)
Low	5745	8.03	27.97
Mid	5785	8.03	27.97
High	5825	8.03	27.97

Duty Cycle CF (dB)	0.12	Included in Calculations of Corr'd Power

Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	16.36	16.44	19.53	27.97	-8.44
Mid	5785	17.93	17.92	21.06	27.97	-6.91
High	5825	16.89	17.00	20.08	27.97	-7.89

9.41. 802.11n HT40 1TX MODE IN THE 5.8 GHz BAND

9.41.1. 6 dB BANDWIDTH

LIMITS

FCC §15.407 (e)

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

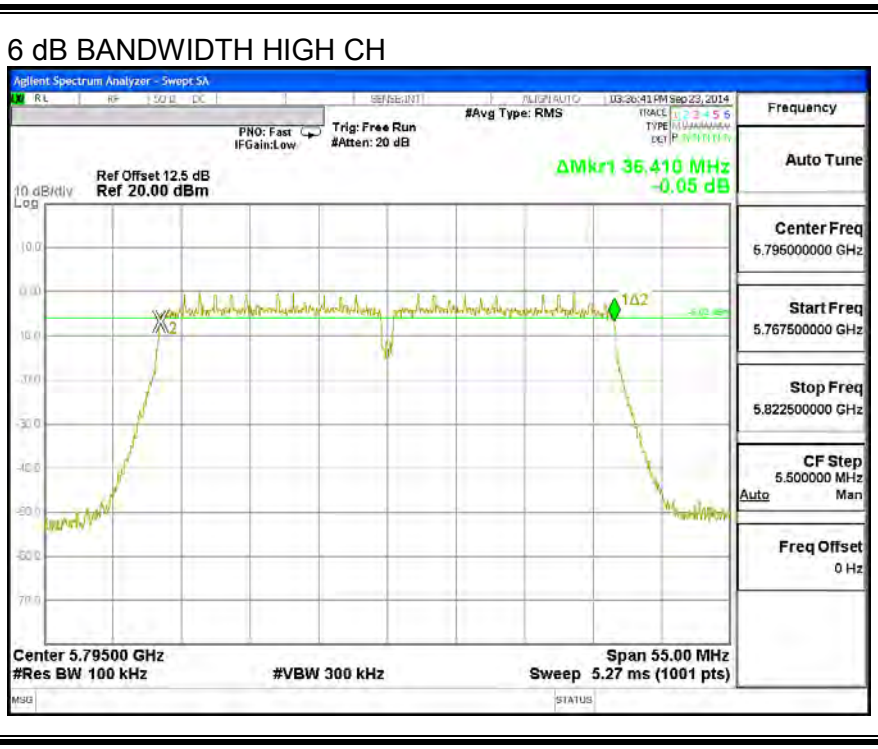
RESULTS

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5755	36.465	0.5
High	5795	36.410	0.5

6 dB BANDWIDTH

6 dB BANDWIDTH LOW CH

6 dB BANDWIDTH HIGH CH



9.41.2. 26 dB BANDWIDTH

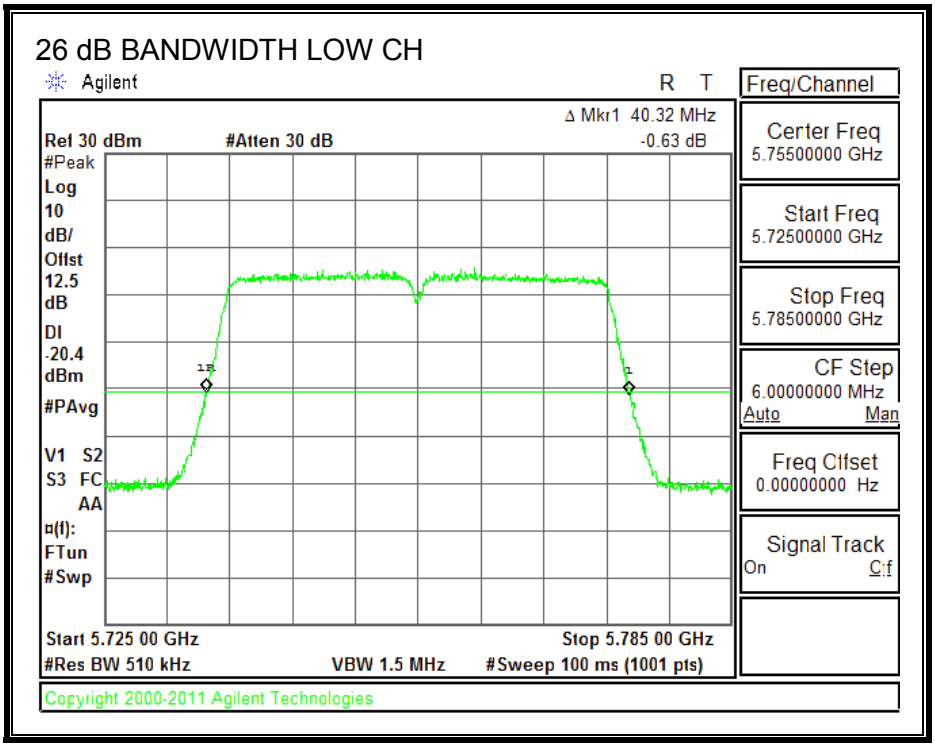
LIMITS

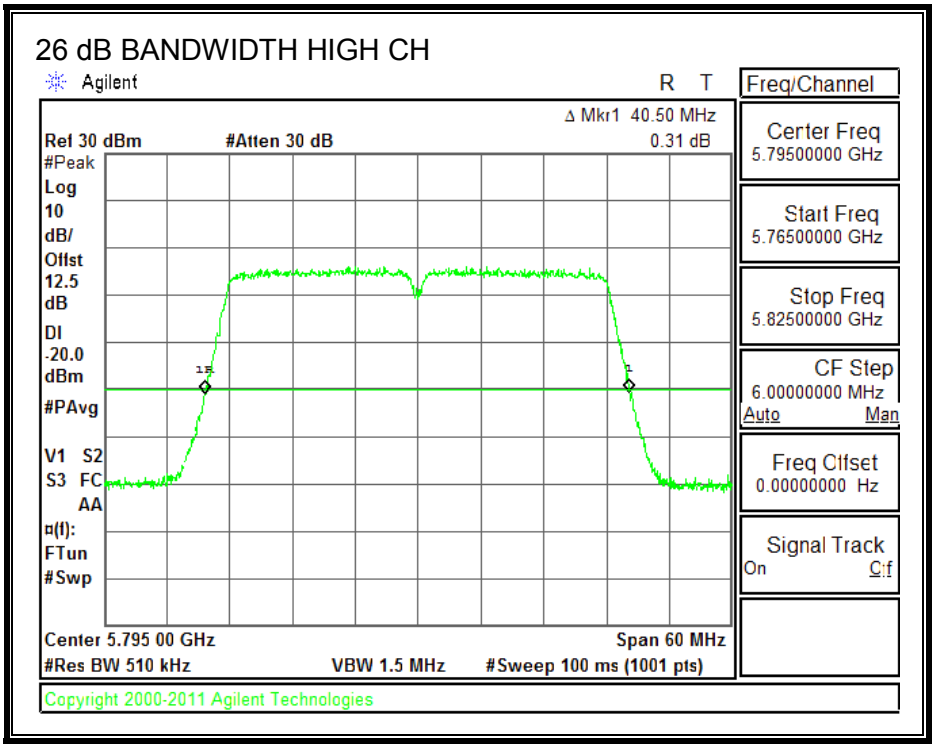
None, for reporting purposes only.

RESULTS

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Low	5755	40.32
High	5795	40.50

26 dB BANDWIDTH





9.41.3. 99% BANDWIDTH

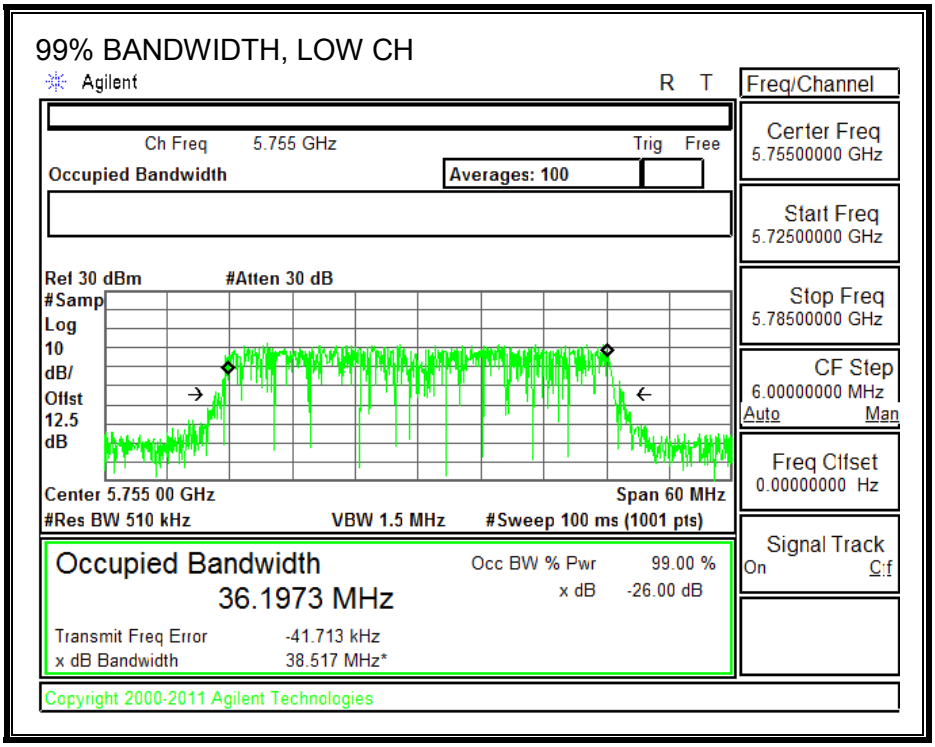
LIMITS

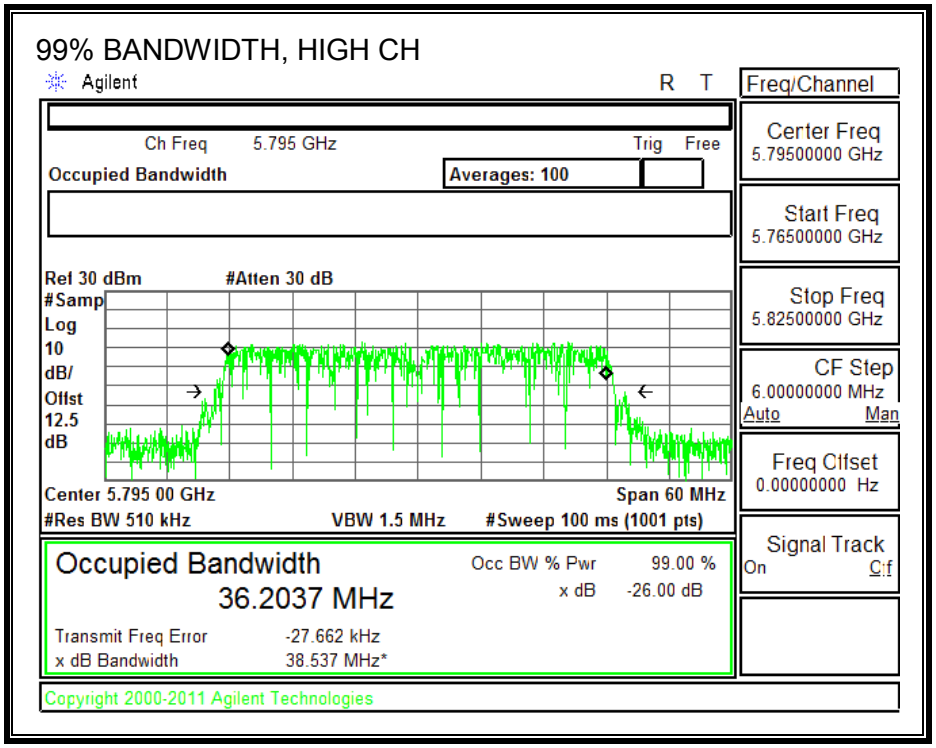
None; for reporting purposes only.

RESULTS

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5755	36.1973
High	5795	36.2037

99% BANDWIDTH





9.41.4. 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.

DIRECTIONAL ANTENNA GAIN

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

ANTENNA 0

Antenna Gain (dBi)
4.78

ANTENNA 1

Antenna Gain (dBi)
5.26

RESULTS

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)
Low	5755	5.26	30.00
High	5795	5.26	30.00

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

Output Power Results

Channel	Frequency (MHz)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	16.33	16.33	30.00	-13.67
High	5795	17.99	17.99	30.00	-12.01

9.41.5. MAXIMUM POWER SPECTRAL DENSITY (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.

ANTENNA 0

Antenna Gain (dBi)
4.78

ANTENNA 1

Antenna Gain (dBi)
5.26

RESULTS

Antenna Gain and Limits

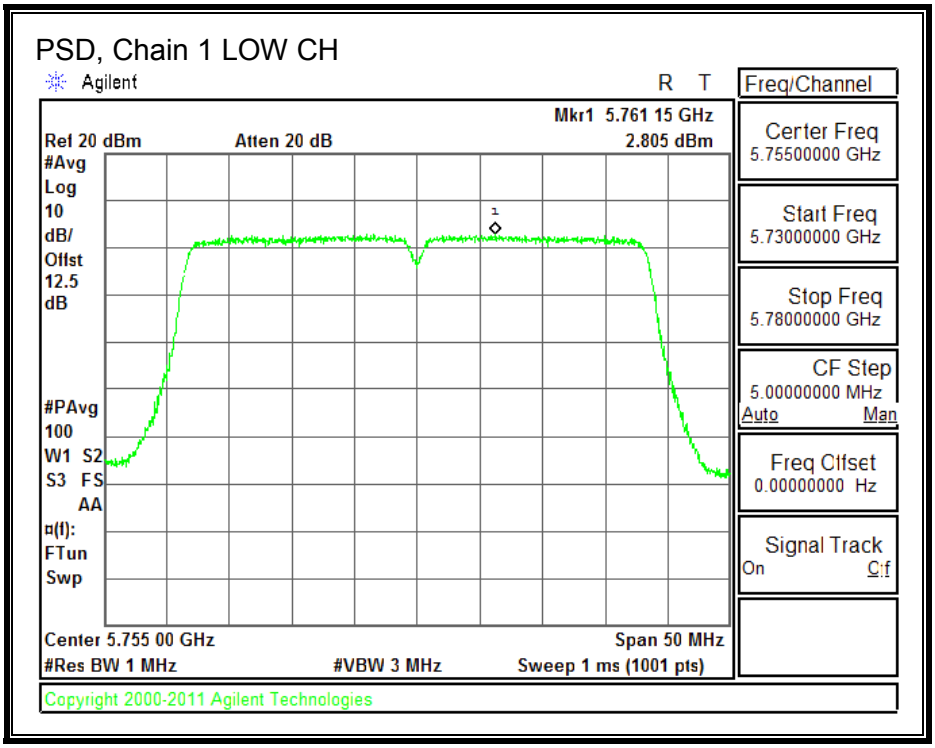
Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm)
Low	5755	5.260	30.00
High	5795	5.260	30.00

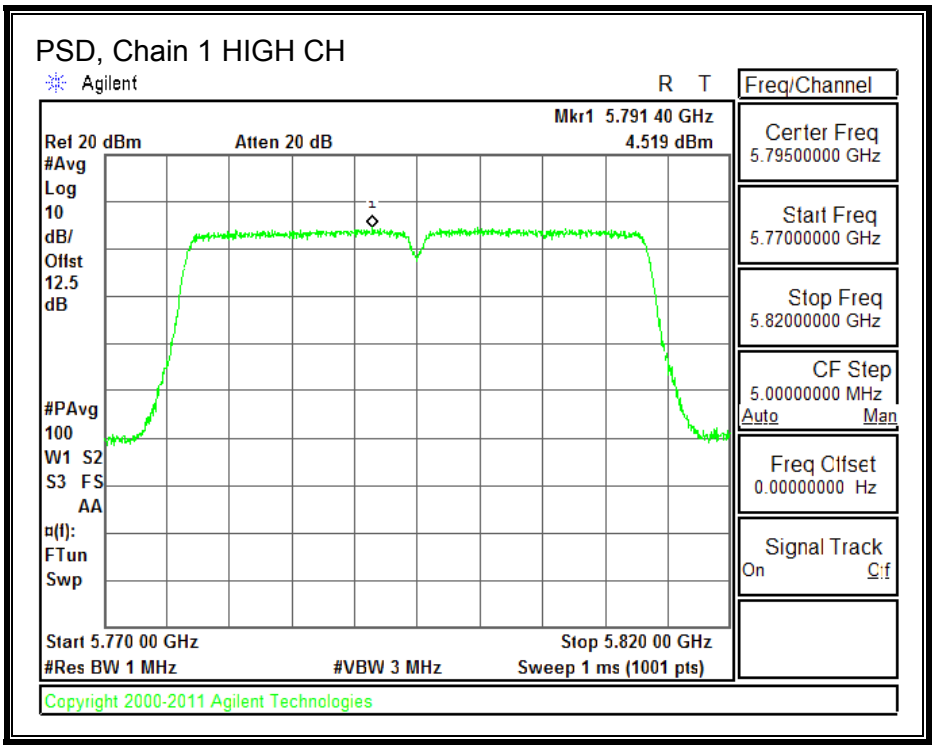
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD

PSD Results

Channel	Frequency (MHz)	Chain 1 Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Low	5755	2.81	2.81	30.00	-27.20
High	5795	4.52	4.52	30.00	-25.48

PSD, Chain 1





9.42. 802.11n HT40 2TX CDD MODE IN THE 5.8 GHz BAND

9.42.1. 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 Chain 0 (MHz)	6 dB BW Chain 1 (MHz)	Minimum Limit (MHz)
Low	5755	36.410	36.410	0.5
High	5795	36.410	36.410	0.5

6 dB BANDWIDTH, Chain 0

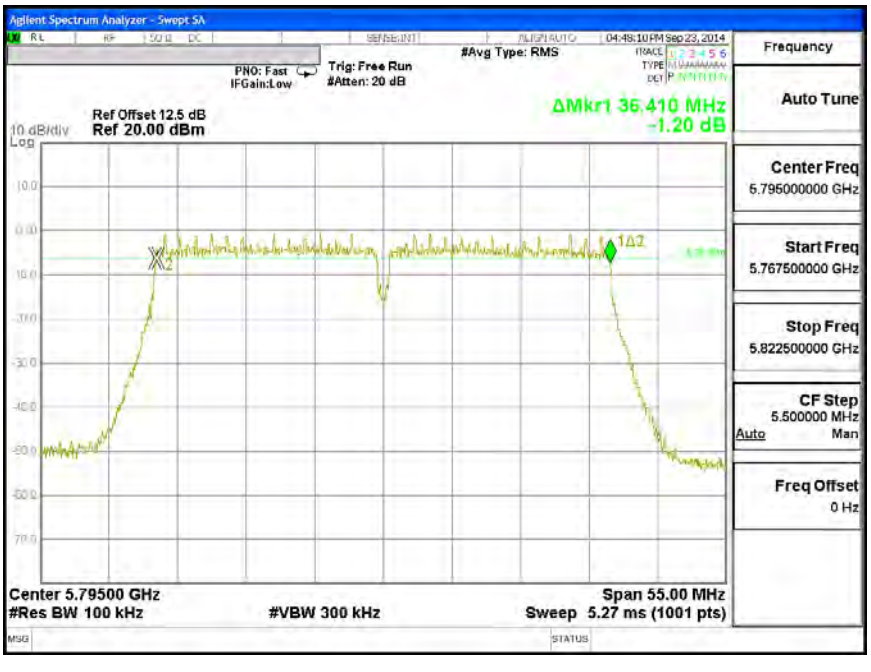
6 dB BANDWIDTH Chain 0 LOW CH

6 dB BANDWIDTH Chain 0 HIGH CH

6 dB BANDWIDTH, Chain 1

6 dB BANDWIDTH Chain 1 LOW CH

6 dB BANDWIDTH Chain 1 HIGH CH



9.42.2. 26 dB BANDWIDTH

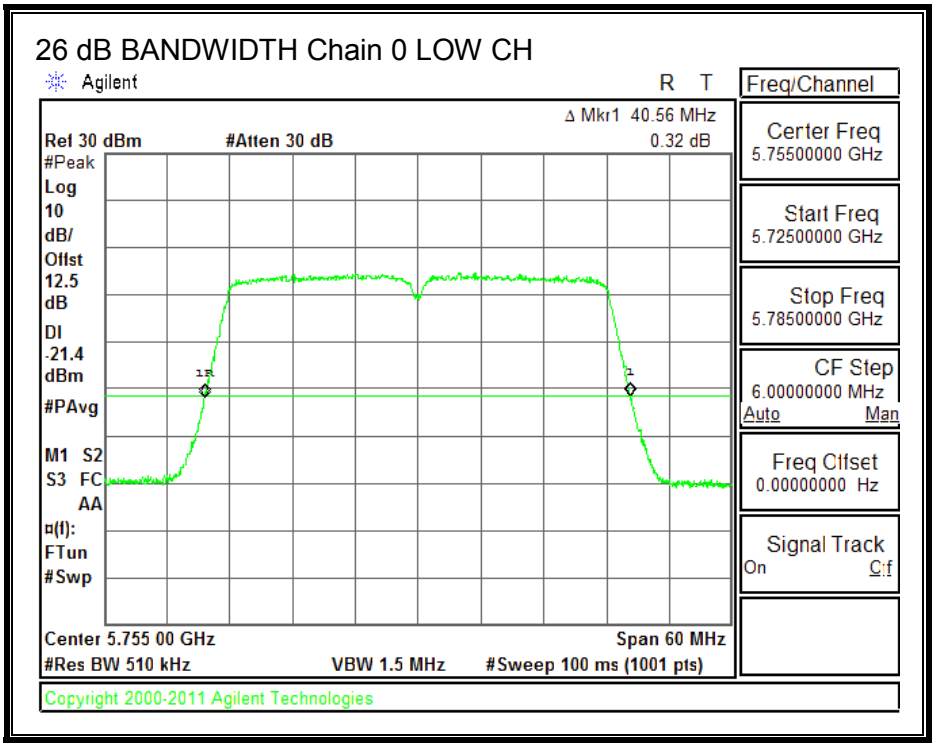
LIMITS

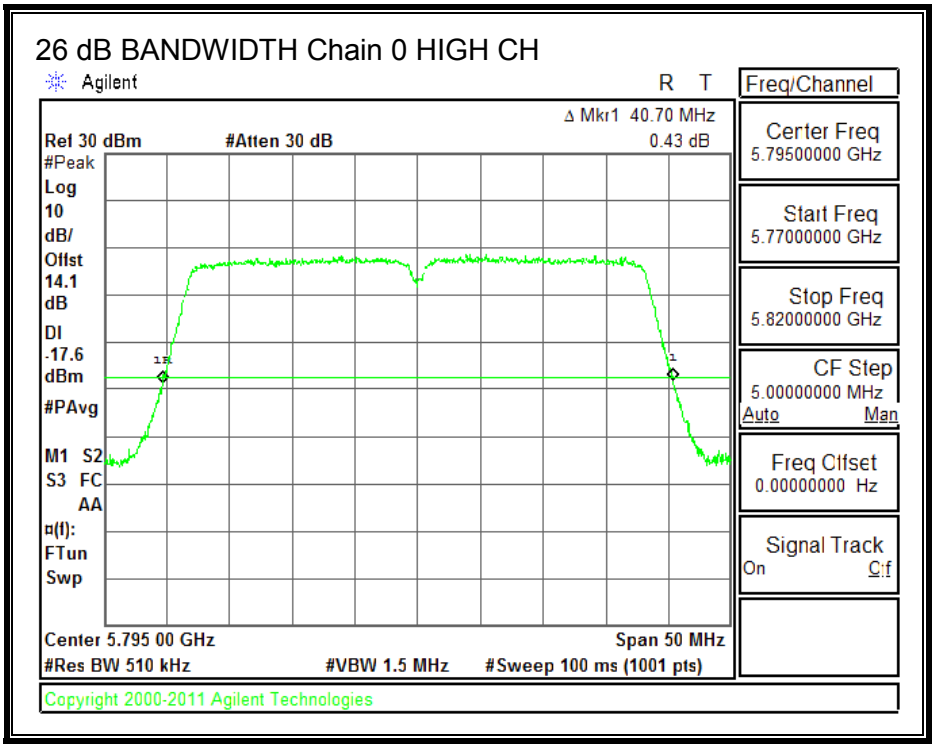
None, for reporting purposes only.

RESULTS

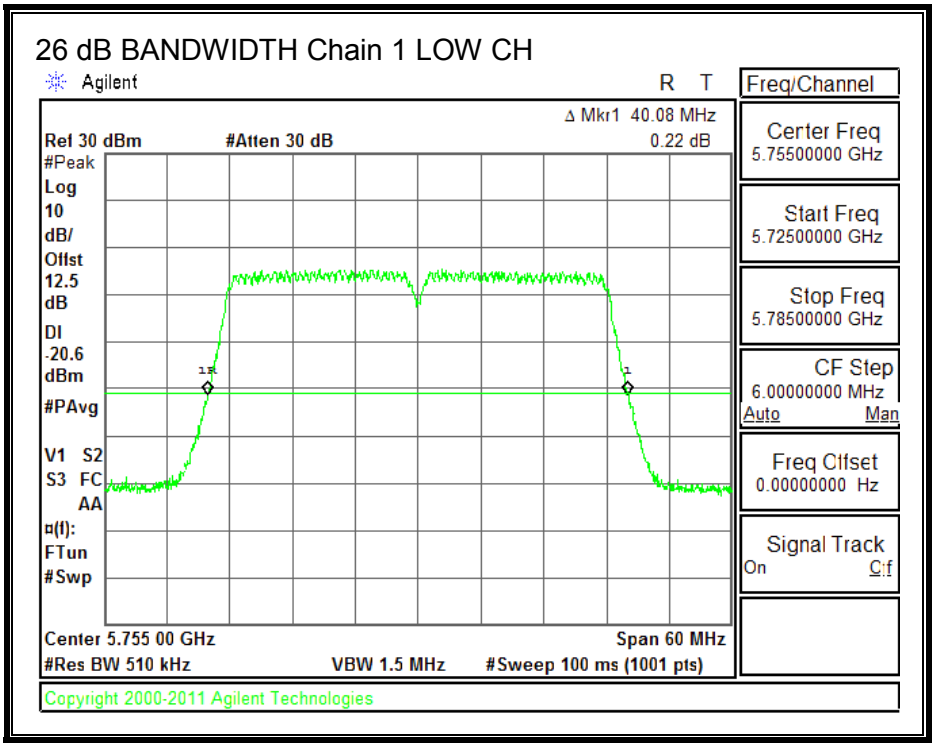
Channel	Frequency (MHz)	26 dB BW Chain 0 (MHz)	26 dB BW Chain 1 (MHz)
Low	5755	40.56	40.08
High	5795	40.70	40.25

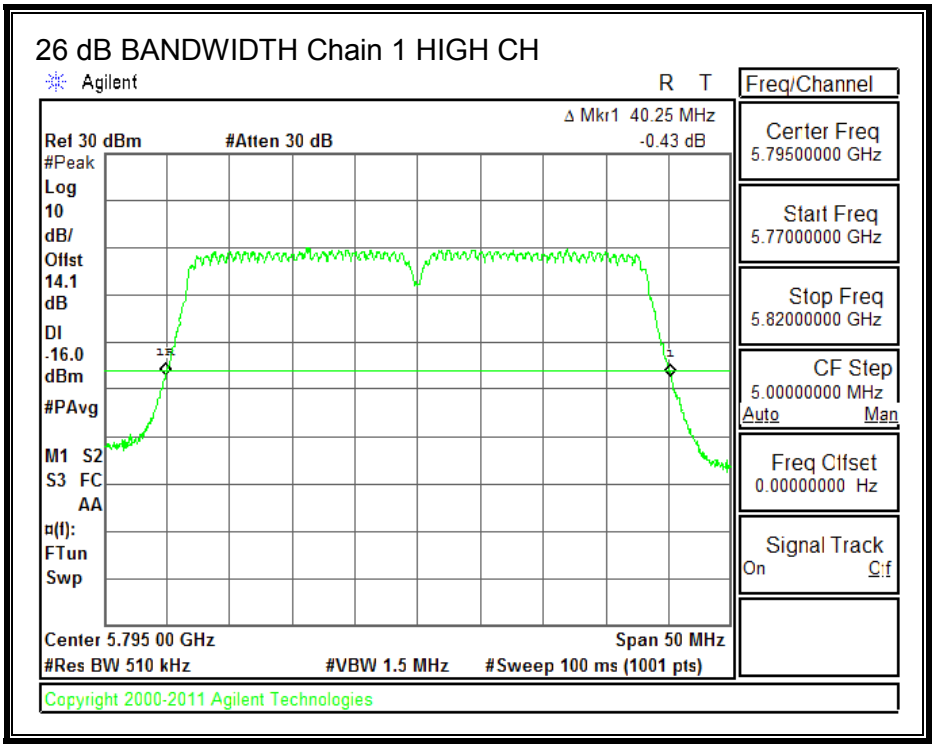
26 dB BANDWIDTH, Chain 0





26 dB BANDWIDTH, Chain 1





9.42.3. 99% BANDWIDTH

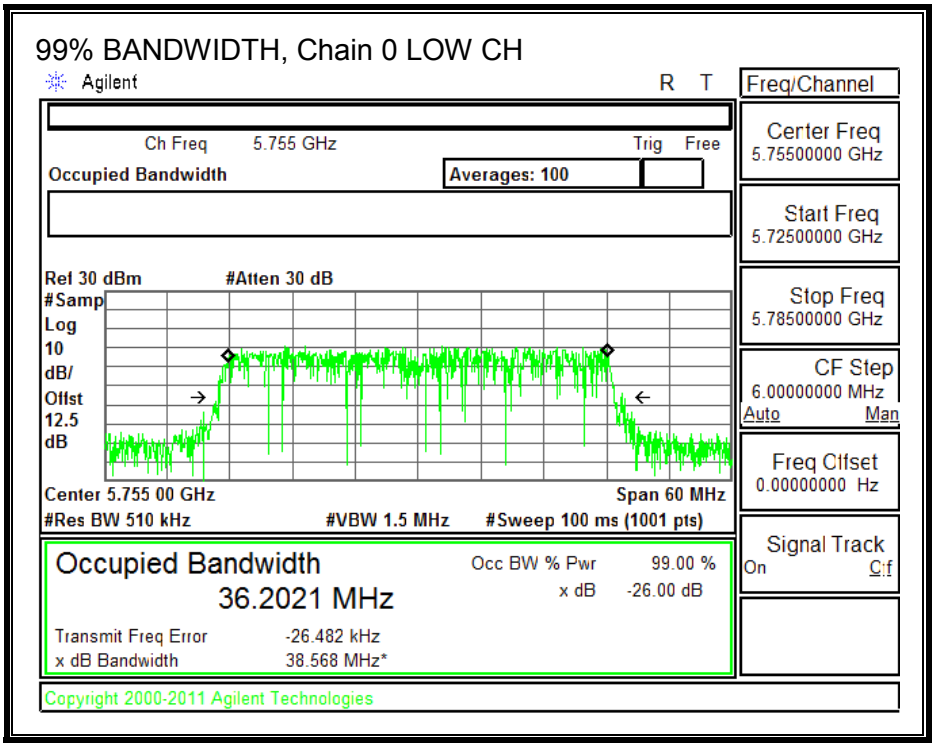
LIMITS

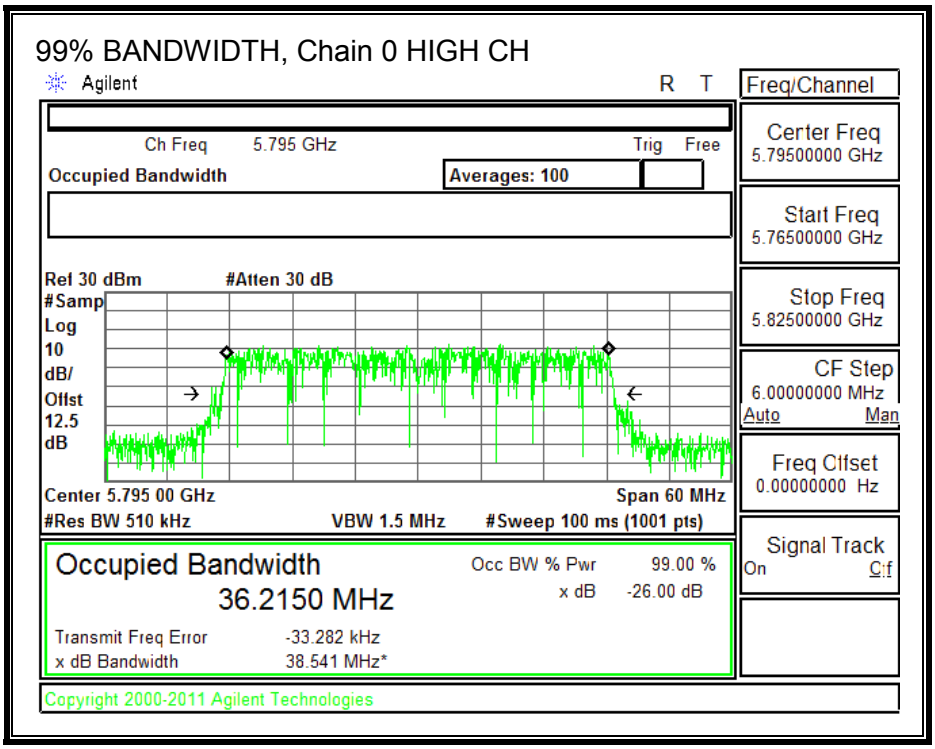
None; for reporting purposes only.

RESULTS

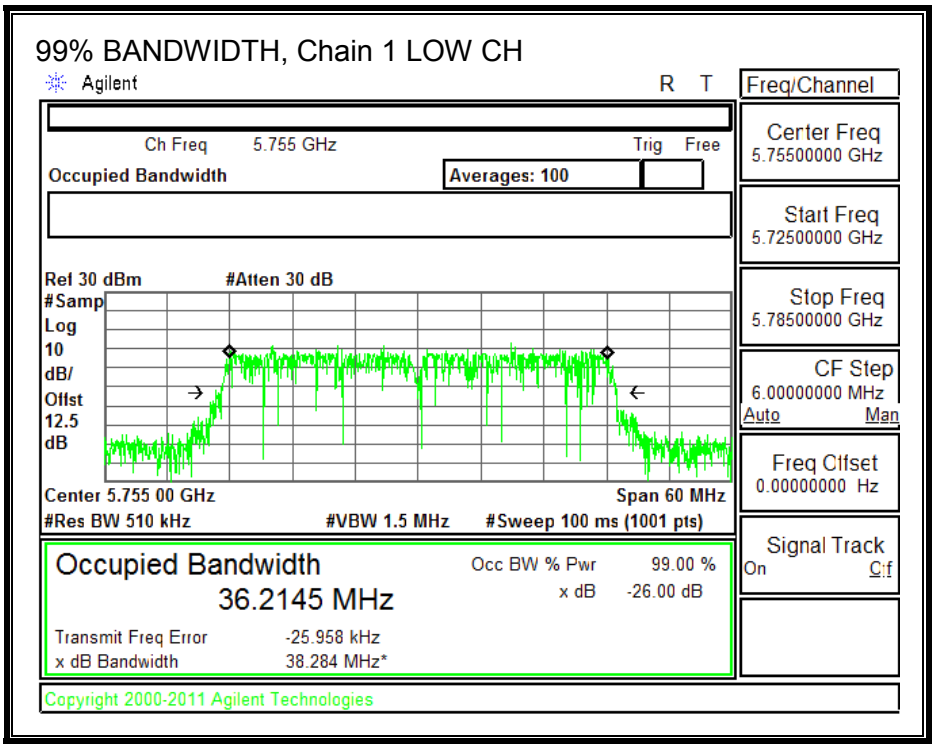
Channel	Frequency (MHz)	99% BW Chain 0 (MHz)	99% BW Chain 1 (MHz)
Low	5755	36.2021	36.2145
High	5795	36.2150	36.2347

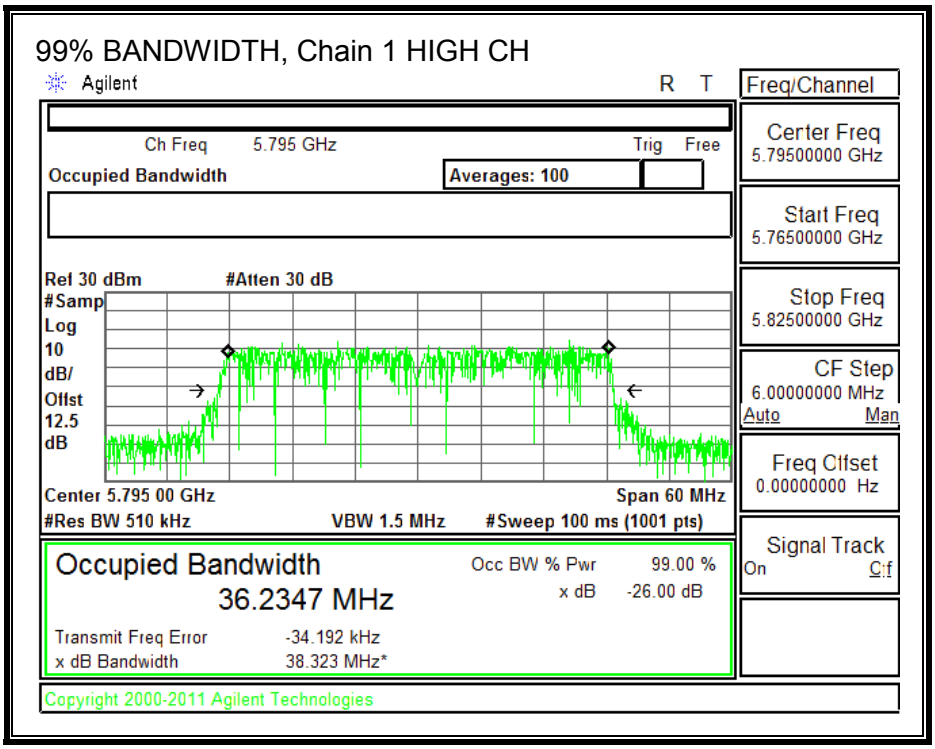
99% BANDWIDTH, Chain 0





99% BANDWIDTH, Chain 1





9.42.4. 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.

DIRECTIONAL ANTENNA GAIN

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

Chain 0 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)
4.78	5.26	5.03

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

Chain 0 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Correlated Chains Directional Gain (dBi)
4.78	5.26	8.03

RESULTS

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)
Low	5755	5.03	30.00
High	5795	5.03	30.00

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

Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	14.97	14.99	17.99	30.00	-12.01
High	5795	16.95	16.88	19.93	30.00	-10.07

9.42.5. MAXIMUM POWER SPECTRAL DENSITY (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 uncorrelated and the antenna gain is unequal among the chains. The directional gain is:

Chain 0 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)
4.78	5.26	5.03

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

Chain 0 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Correlated Chains Directional Gain (dBi)
4.78	5.26	8.03

RESULTS

Antenna Gain and Limit

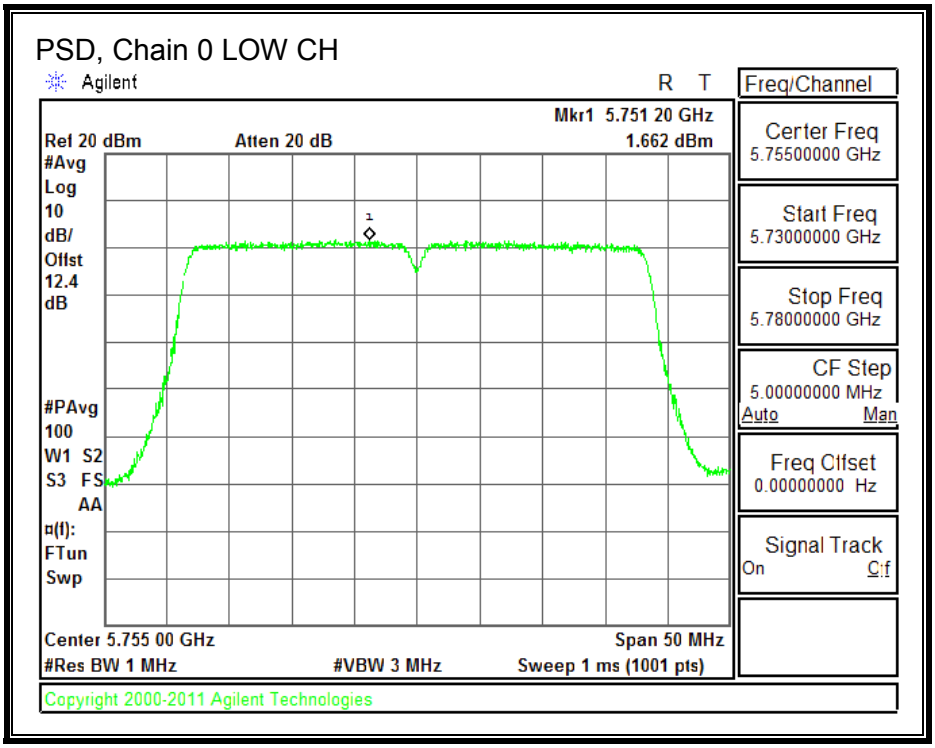
Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm)
Low	5755	8.03	27.97
High	5795	8.03	27.97

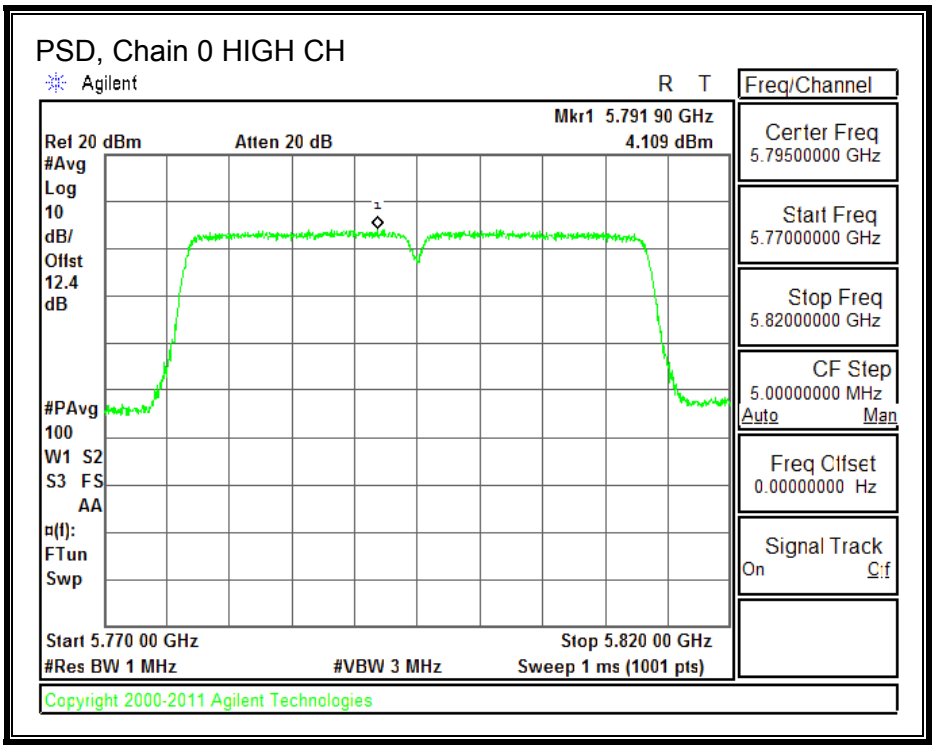
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD

PSD Results

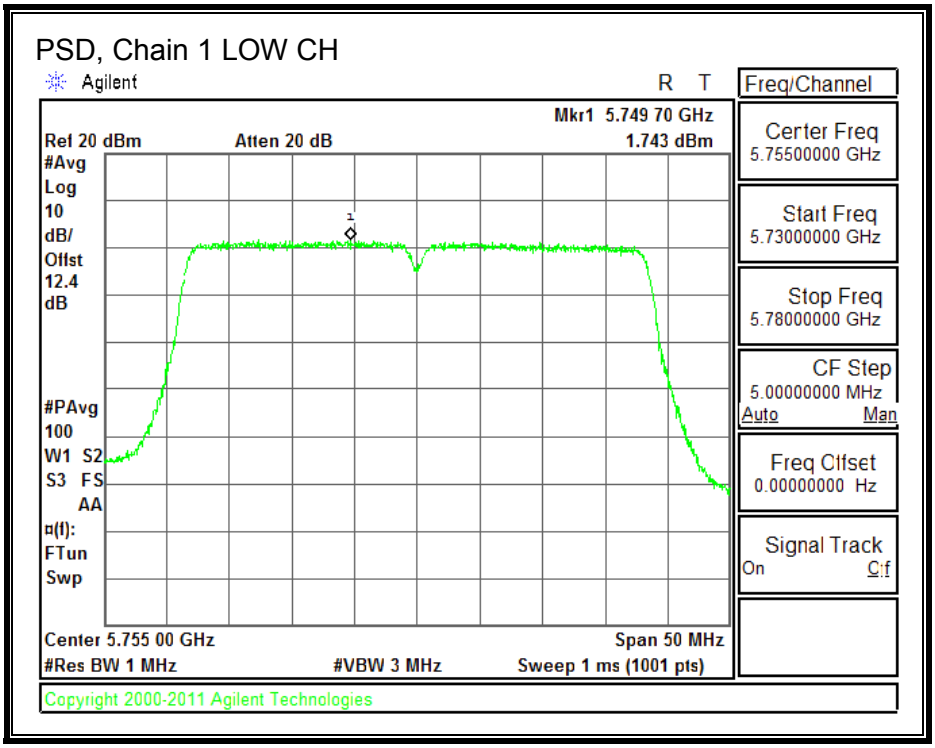
Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm)	Chain 1 Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Low	5755	1.66	1.74	4.71	27.97	-23.26
High	5795	4.11	4.25	7.19	27.97	-20.78

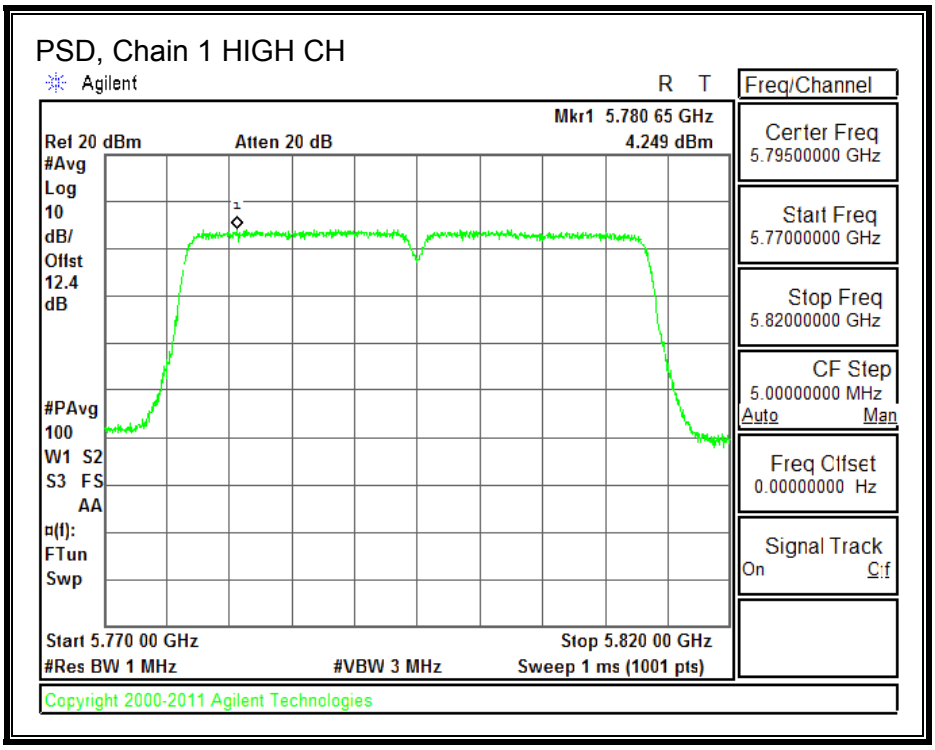
PSD, Chain 0





PSD, Chain 1





9.43. 802.11n HT40 2TX STBC MODE IN THE 5.8 GHz BAND

9.43.1. 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 Chain 0 (MHz)	6 dB BW Chain 1 (MHz)	Minimum Limit (MHz)
Low	5755	36.410	36.245	0.5
High	5795	36.410	36.410	0.5

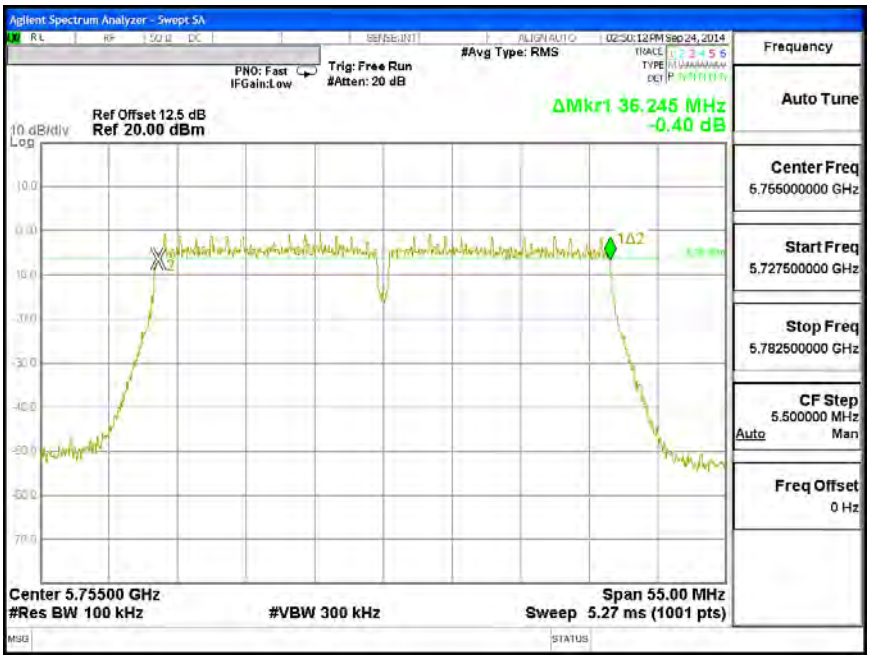
6 dB BANDWIDTH, Chain 0

6 dB BANDWIDTH Chain 0 LOW CH

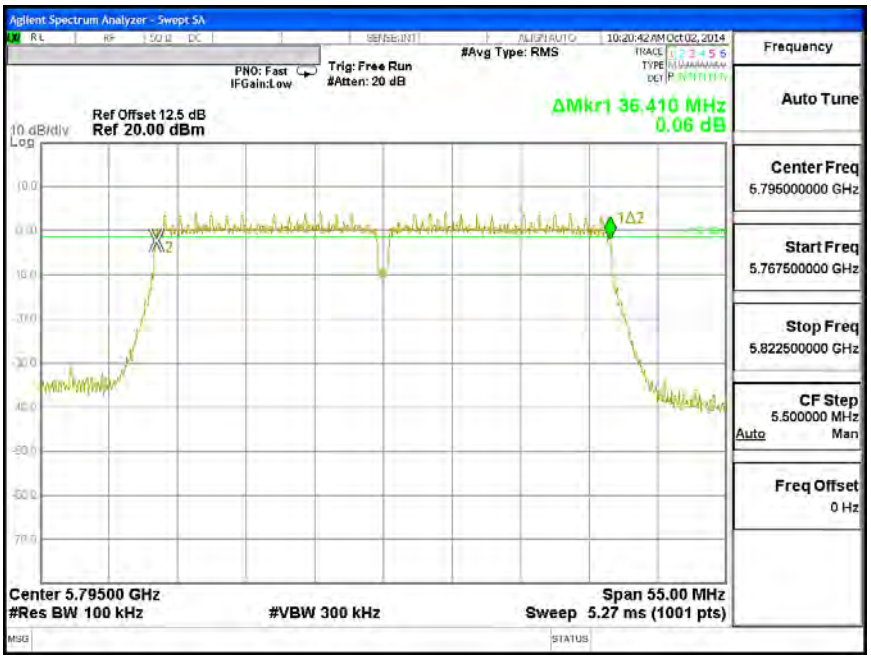
6 dB BANDWIDTH Chain 0 HIGH CH

6 dB BANDWIDTH, Chain 1

6 dB BANDWIDTH Chain 1 LOW CH



6 dB BANDWIDTH Chain 1 HIGH CH



9.43.2. 26 dB BANDWIDTH

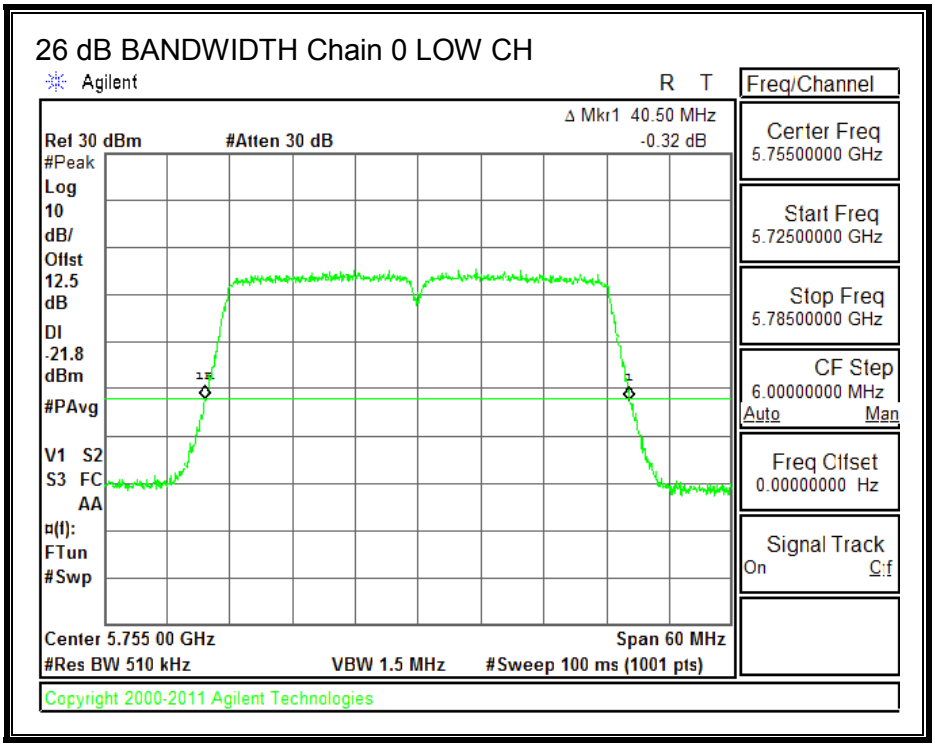
LIMITS

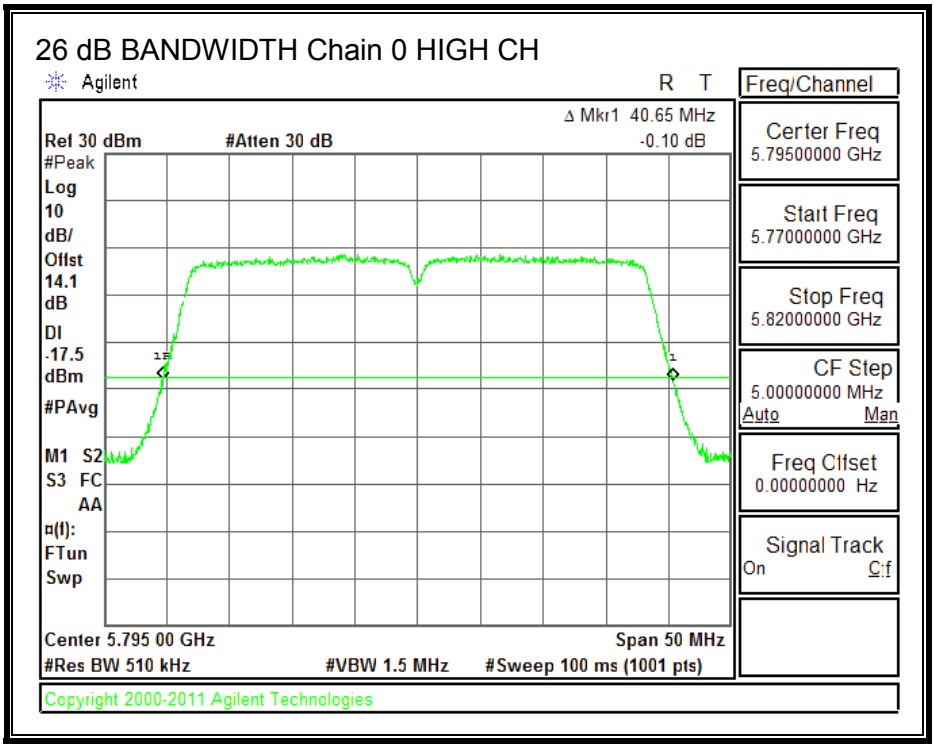
None, for reporting purposes only.

RESULTS

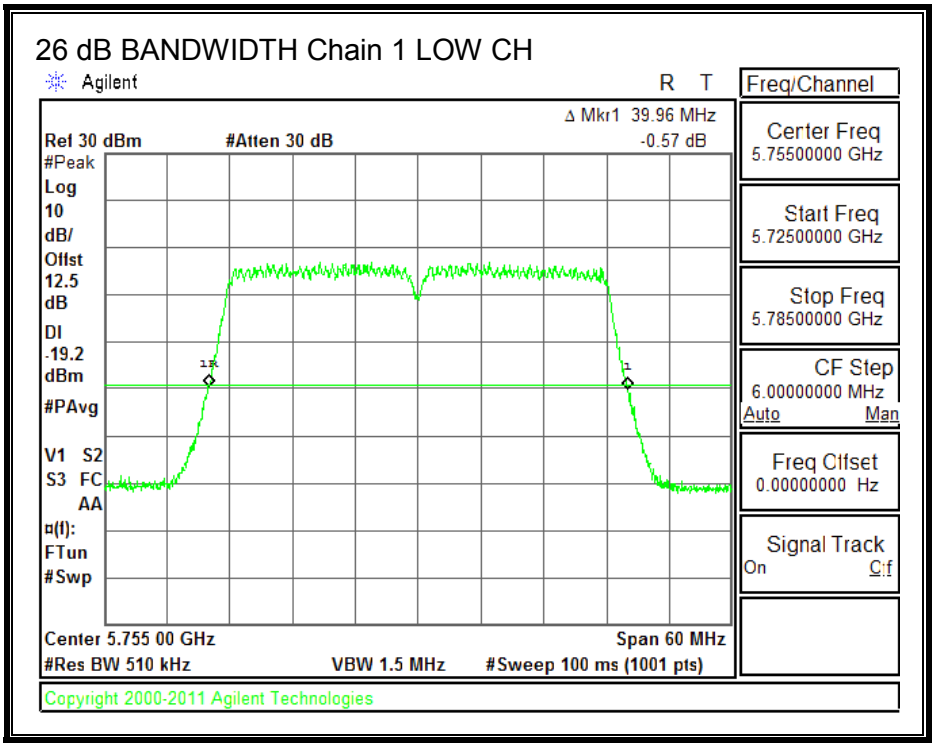
Channel	Frequency (MHz)	26 dB BW Chain 0 (MHz)	26 dB BW Chain 1 (MHz)
Low	5755	40.50	39.96
High	5795	40.65	40.10

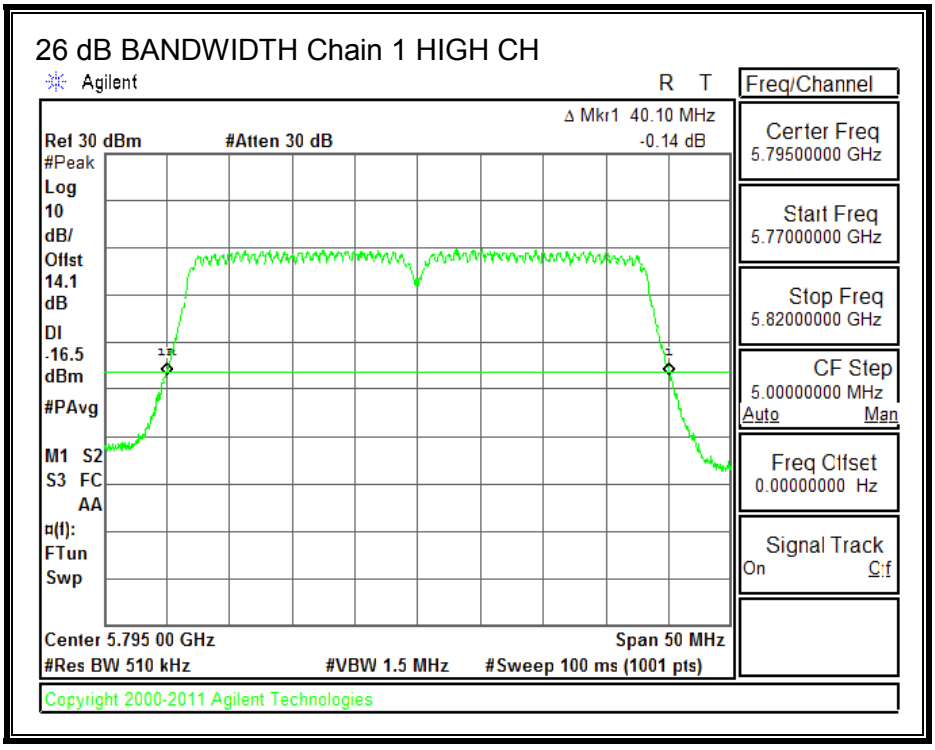
26 dB BANDWIDTH, Chain 0





26 dB BANDWIDTH, Chain 1





9.43.3. 99% BANDWIDTH

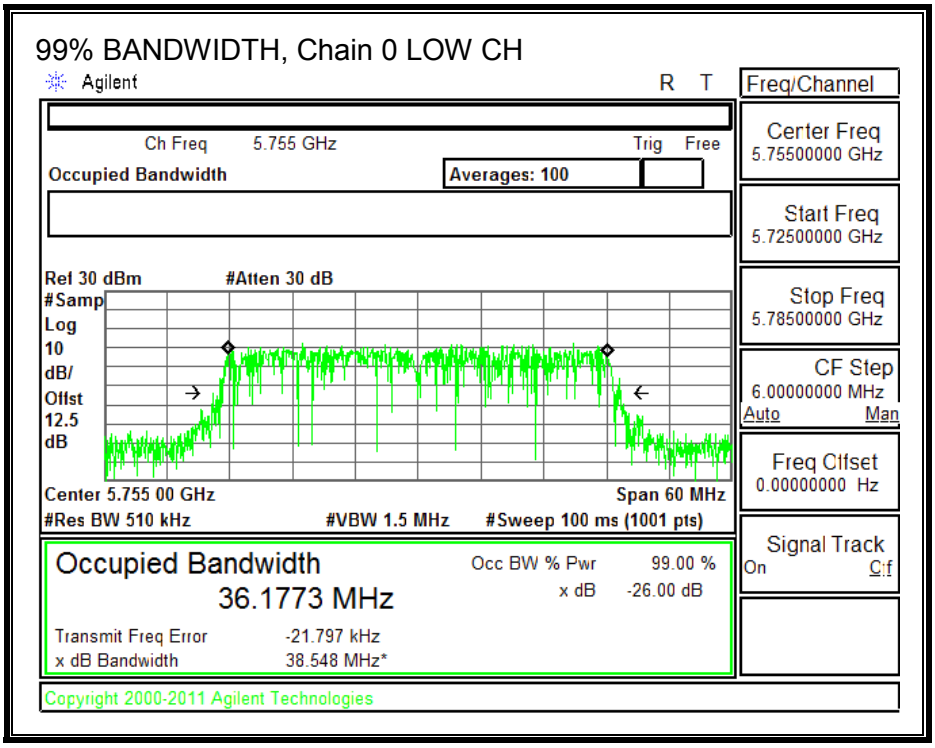
LIMITS

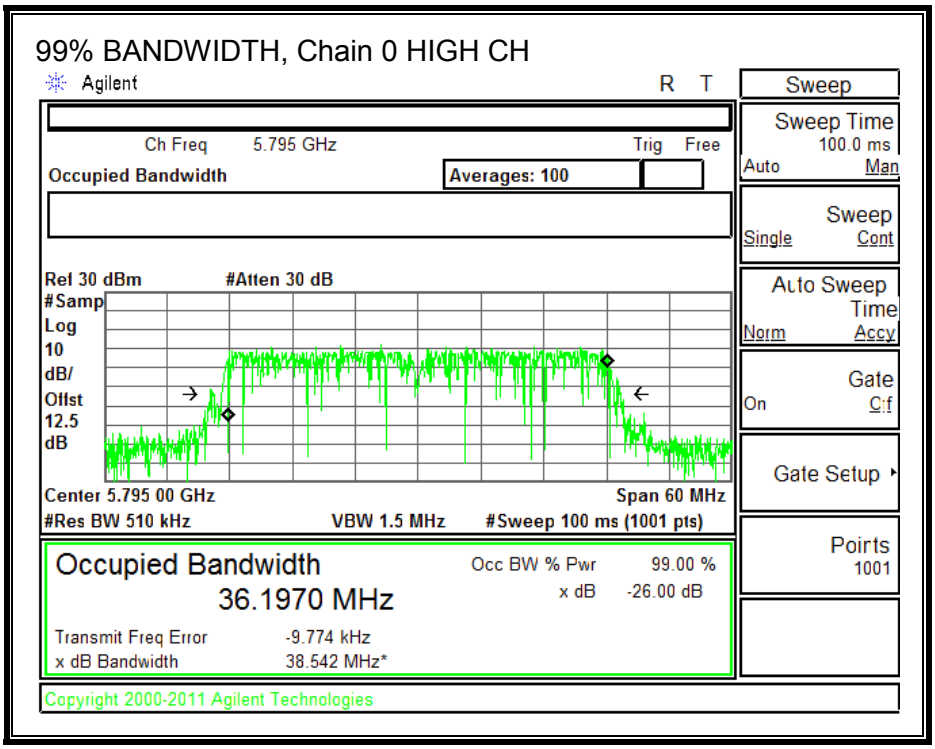
None; for reporting purposes only.

RESULTS

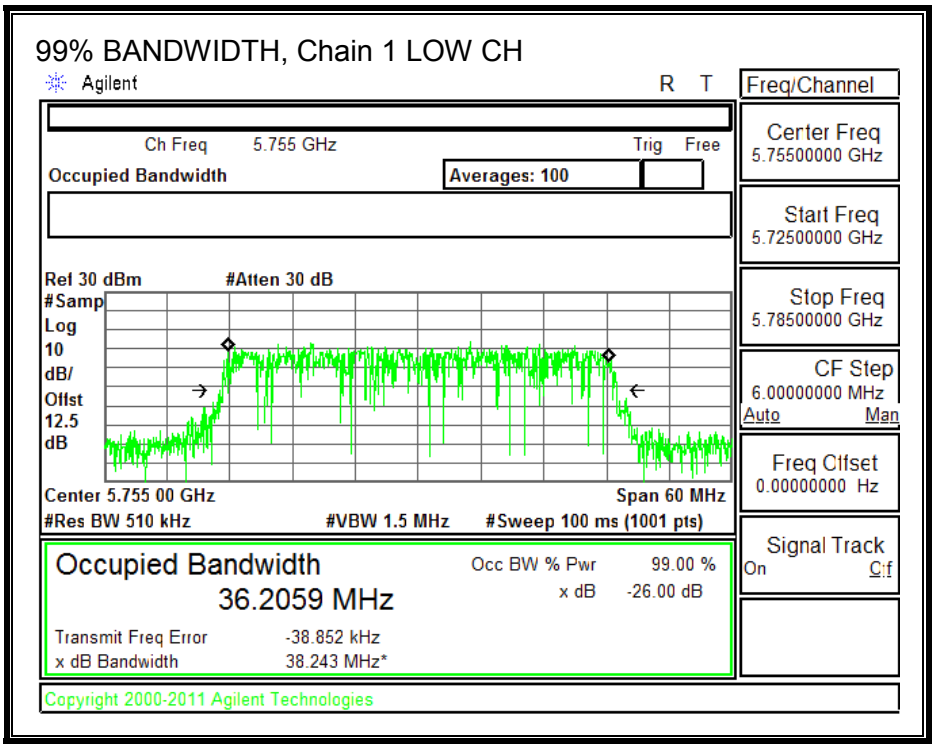
Channel	Frequency (MHz)	99% BW Chain 0 (MHz)	99% BW Chain 1 (MHz)
Low	5755	36.1773	36.2059
High	5795	36.1970	36.2052

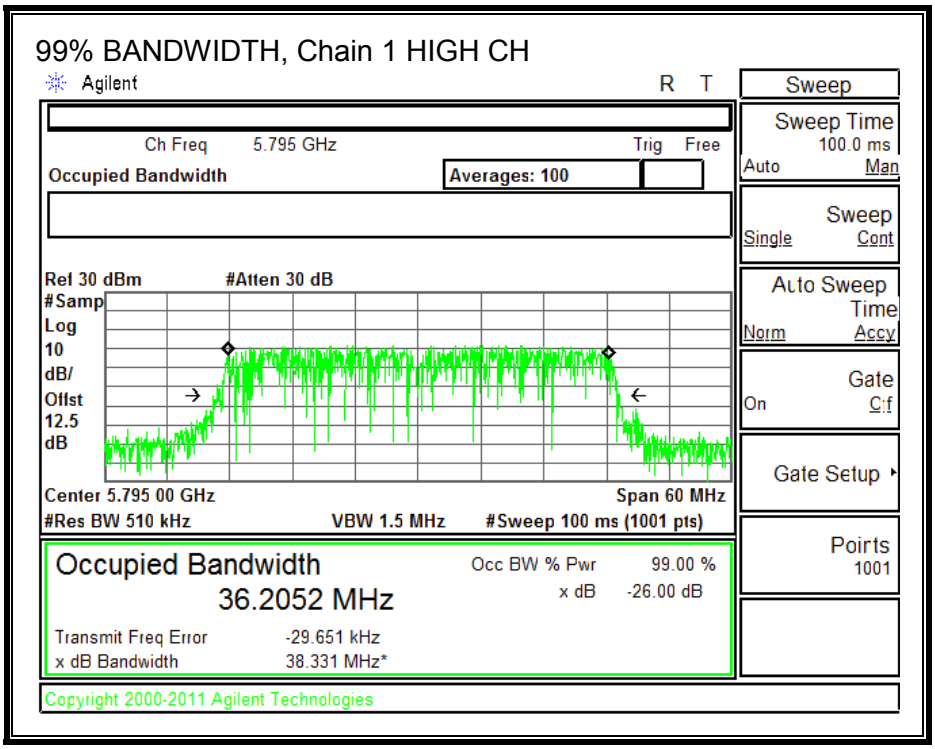
99% BANDWIDTH, Chain 0





99% BANDWIDTH, Chain 1





9.43.4. 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.

DIRECTIONAL ANTENNA GAIN

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

Chain 0 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)
4.78	5.26	5.03

RESULTS

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)
Low	5755	5.03	30.00
High	5795	5.03	30.00

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

Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	14.93	14.97	17.96	30.00	-12.04
High	5795	16.91	16.94	19.94	30.00	-10.06

9.43.5. MAXIMUM POWER SPECTRAL DENSITY (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 uncorrelated and the antenna gain is unequal among the chains. The directional gain is:

Chain 0 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)
4.78	5.26	5.03

RESULTS

Antenna Gain and Limit

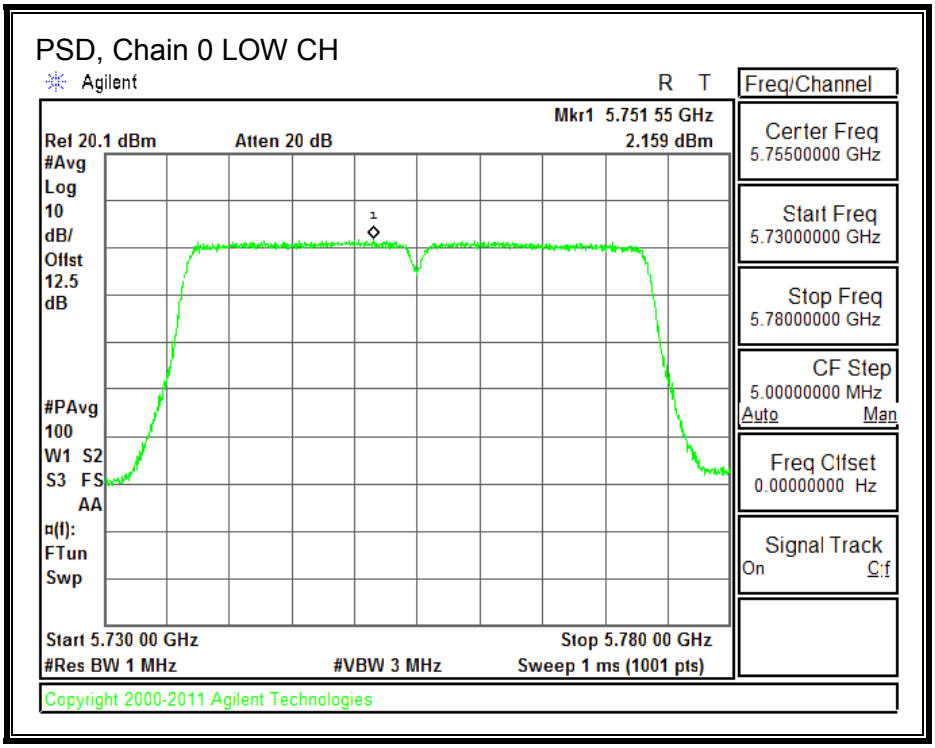
Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm)
Low	5755	5.03	30.00
High	5795	5.03	30.00

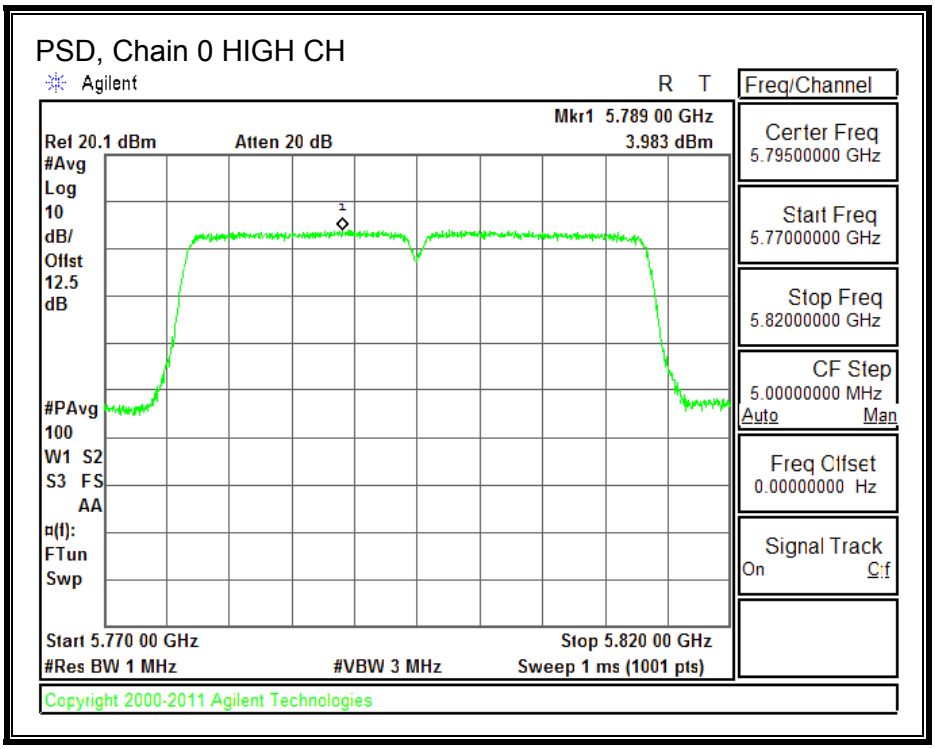
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD

PSD Results

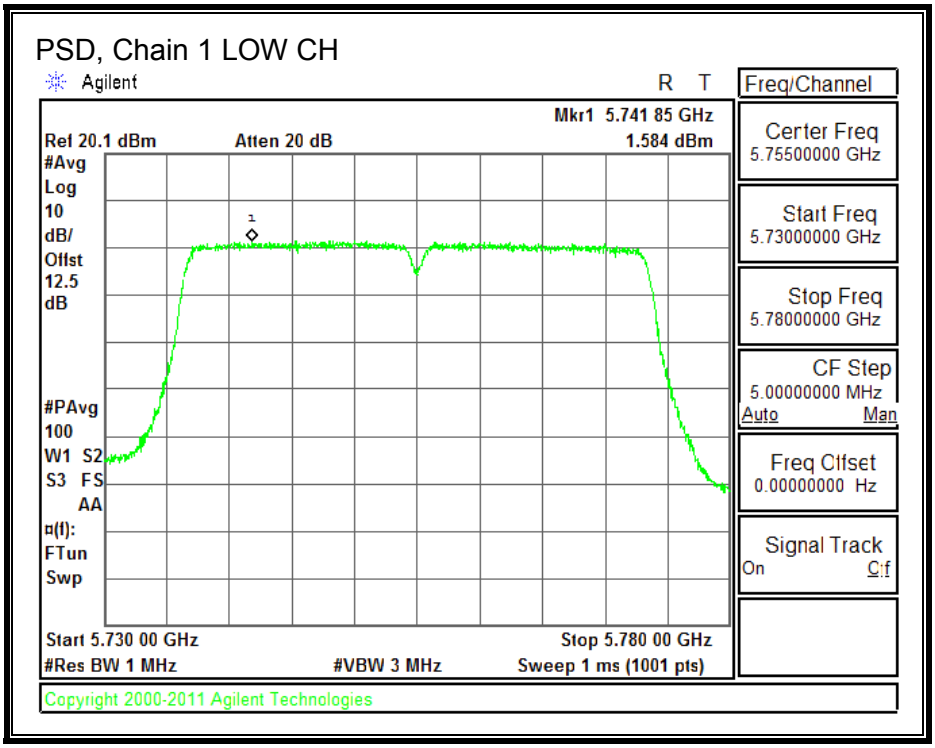
Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm)	Chain 1 Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Low	5755	2.16	1.58	4.89	30.00	-25.11
High	5795	3.98	4.22	7.11	30.00	-22.89

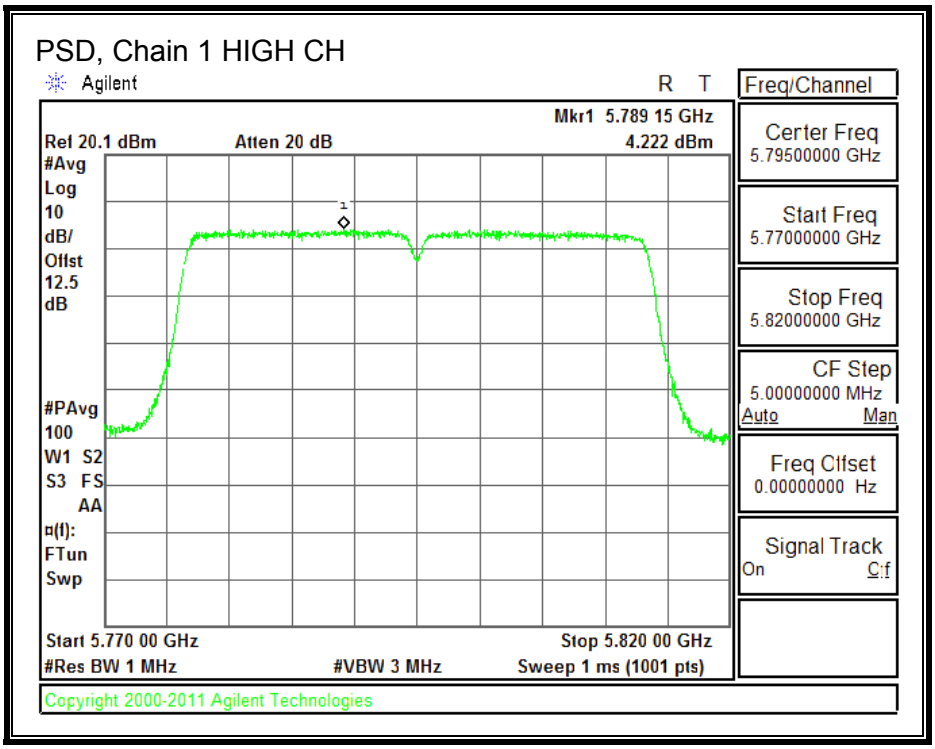
PSD, Chain 0





PSD, Chain 1





9.44. 802.11ac VHT40 2TX BF IN THE 5.8 GHz BAND

Refer to Section 9.43, 802.11n HT40 2TX CDD MODE IN THE 5.8 GHz BAND.

The power per chain used for 802.11n HT40 2TX CDD IN THE 5.8 GHz mode is the same power per chain that will be for 802.11n HT40 2TX BF IN THE 5.8 GHz mode. However, since BF is correlated and CDD is uncorrelated for output power, the section below for output power using correlated antenna gain for this mode shows it is still compliant.

9.44.1. 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.

DIRECTIONAL ANTENNA GAIN

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

Chain 0 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Correlated Chains Directional Gain (dBi)
4.78	5.26	8.03

RESULTS

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)
Low	5755	8.03	27.97
High	5795	8.03	27.97

Duty Cycle CF (dB)	0.12	Included in Calculations of Corr'd Power

Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	14.97	14.99	18.11	27.97	-9.86
High	5795	16.95	16.88	20.05	27.97	-7.92

9.45. 802.11ac VHT80 1TX MODE IN THE 5.8 GHz BAND

9.45.1. 6 dB BANDWIDTH

LIMITS

FCC §15.407 (e)

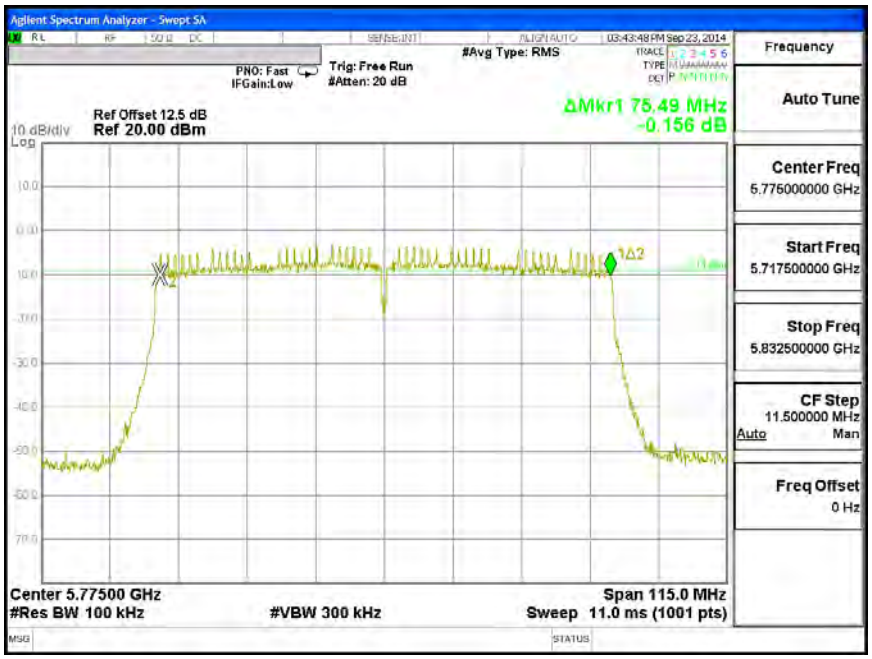
The minimum 6 dB bandwidth shall be at least 500 kHz.

RESULTS

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Mid	5775	75.490	0.5

6 dB BANDWIDTH

6 dB BANDWIDTH MID CH



9.45.2. 26 dB BANDWIDTH

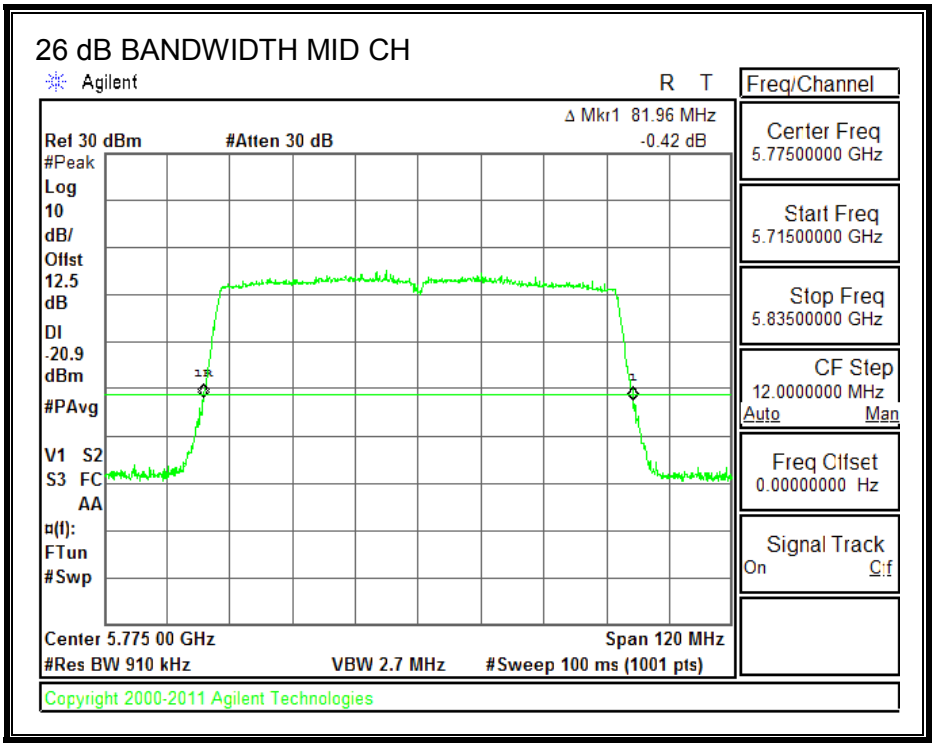
LIMITS

None, for reporting purposes only.

RESULTS

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Mid	5775	81.96

26 dB BANDWIDTH



9.45.3. 99% BANDWIDTH

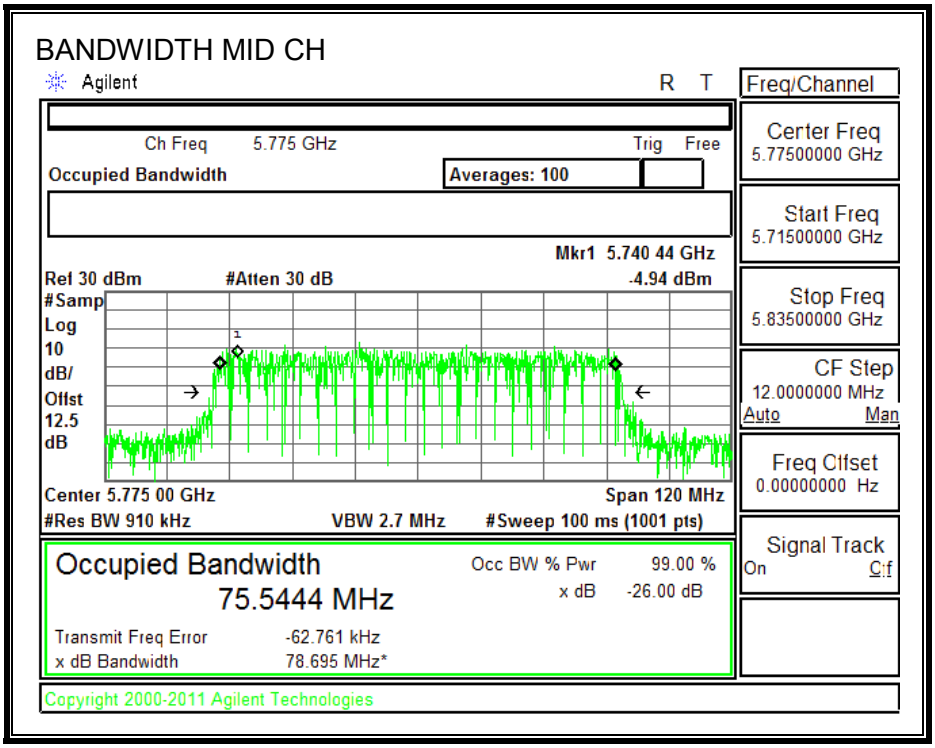
LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Mid	5775	75.5444

99% BANDWIDTH



9.45.4. 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.

DIRECTIONAL ANTENNA GAIN

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

ANTENNA 0

Antenna Gain (dBi)
4.78

ANTENNA 1

Antenna Gain (dBi)
5.26

RESULTS

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)
Mid	5775	5.26	30.00

Duty Cycle CF (dB)	0.22	Included in Calculations of Corr'd Power

Output Power Results

Channel	Frequency (MHz)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	15.27	15.49	30.00	-14.51

9.45.5. MAXIMUM POWER SPECTRAL DENSITY (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.

ANTENNA 0

Antenna Gain (dBi)
4.78

ANTENNA 1

Antenna Gain (dBi)
5.26

RESULTS

Antenna Gain and Limits

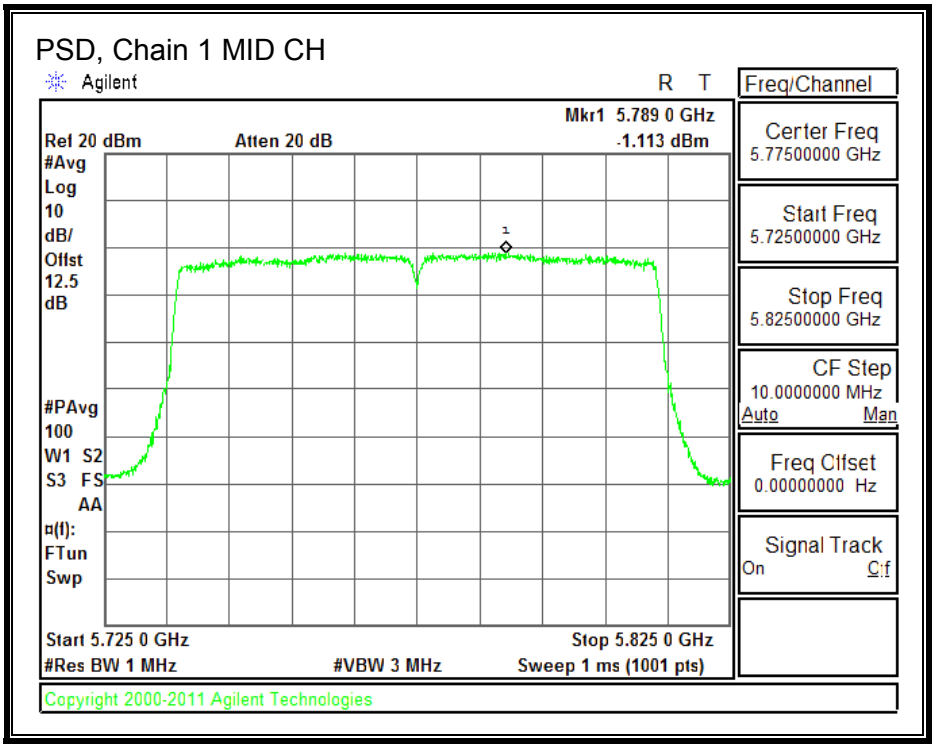
Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm)
Mid	5755	5.26	30.00

Duty Cycle CF (dB)	0.22	Included in Calculations of Corr'd PSD

PSD Results

Channel	Frequency (MHz)	Chain 1 Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Mid	5755	-1.11	-0.89	30.00	-30.89

PSD, Chain 1



9.46. 802.11ac VHT80 2TX CDD MODE IN THE 5.8 GHz BAND

9.46.1. 6 dB BANDWIDTH

LIMITS

FCC §15.407 (e)

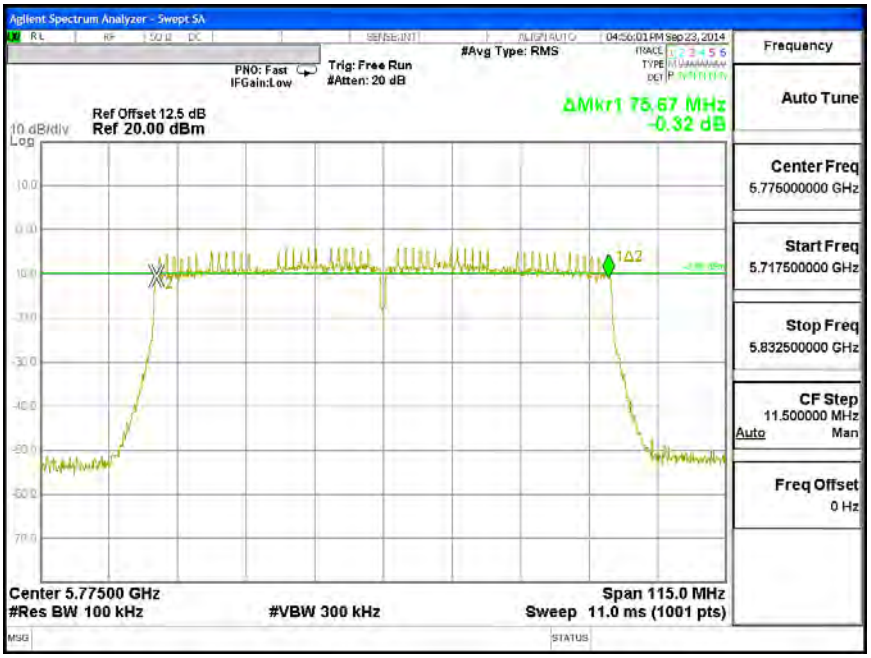
The minimum 6 dB bandwidth shall be at least 500 kHz.

RESULTS

Channel	Frequency (MHz)	6 dB BW Chain 0 (MHz)	6 dB BW Chain 1 (MHz)	Minimum Limit (MHz)
Mid	5775	75.670	75.900	0.5

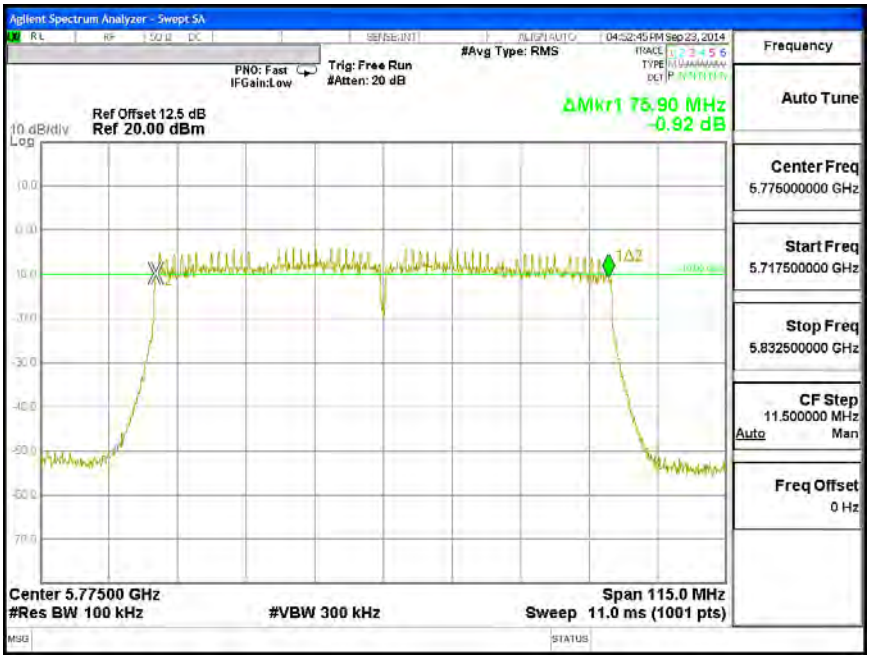
6 dB BANDWIDTH, Chain 0

6 dB BANDWIDTH Chain 0 MID CH



6 dB BANDWIDTH, Chain 1

6 dB BANDWIDTH Chain 1 MID CH



9.46.2. 26 dB BANDWIDTH

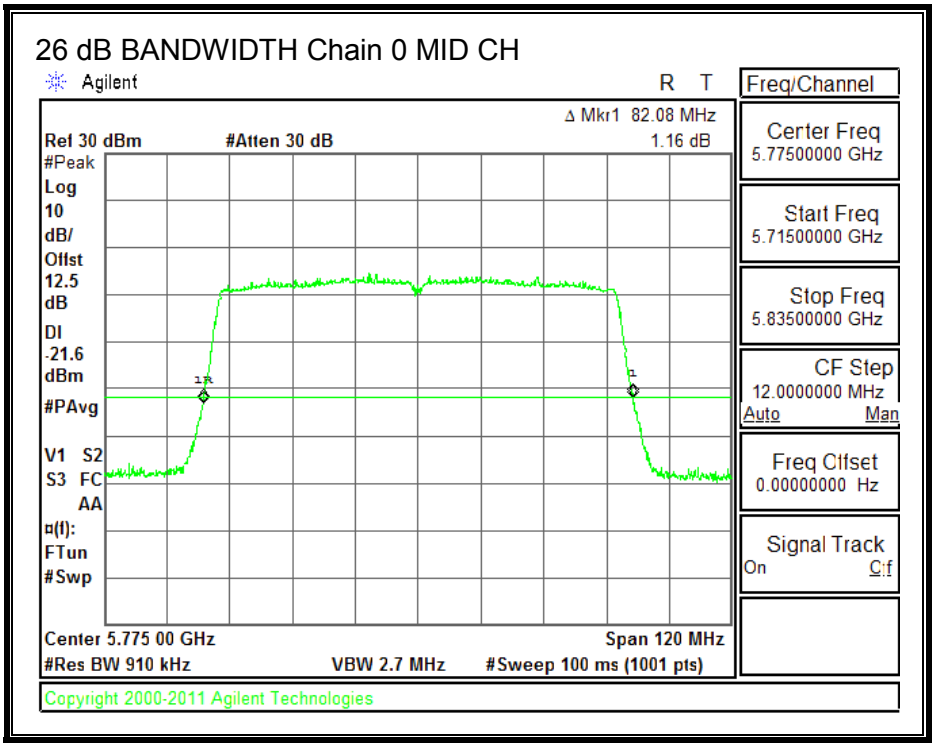
LIMITS

None, for reporting purposes only.

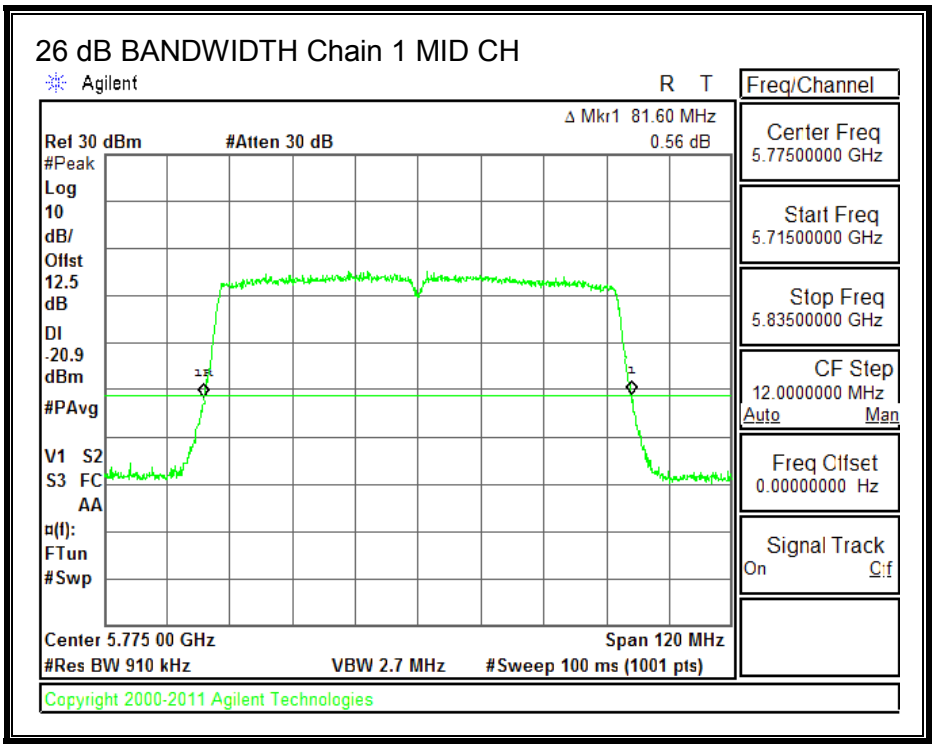
RESULTS

Channel	Frequency (MHz)	26 dB BW Chain 0 (MHz)	26 dB BW Chain 1 (MHz)
Mid	5775	82.08	81.60

26 dB BANDWIDTH, Chain 0



26 dB BANDWIDTH, Chain 1



9.46.3. 99% BANDWIDTH

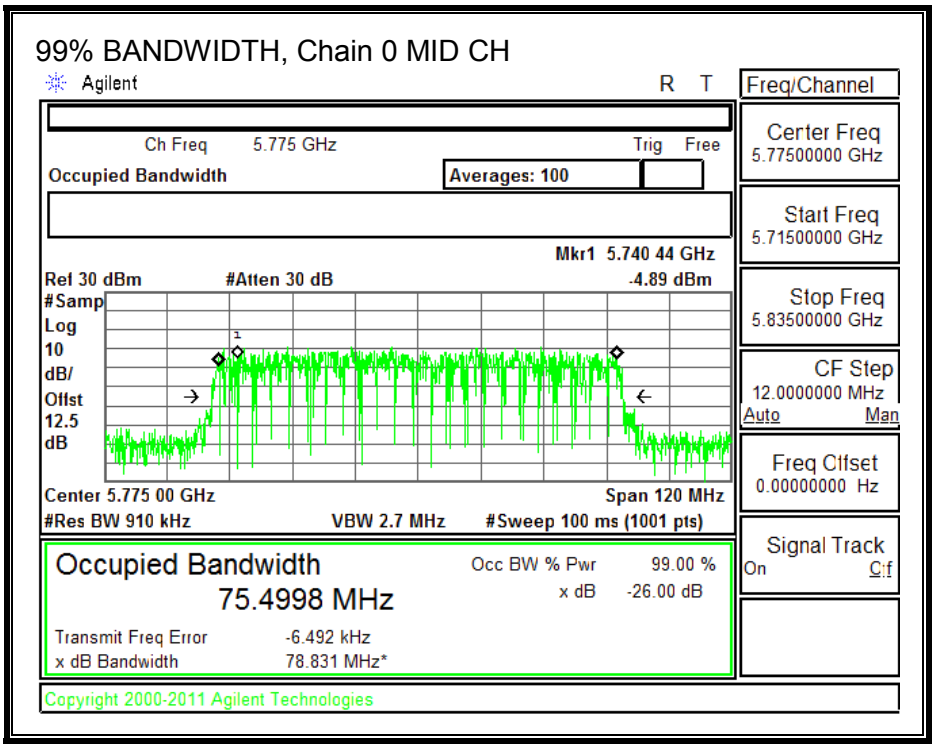
LIMITS

None; for reporting purposes only.

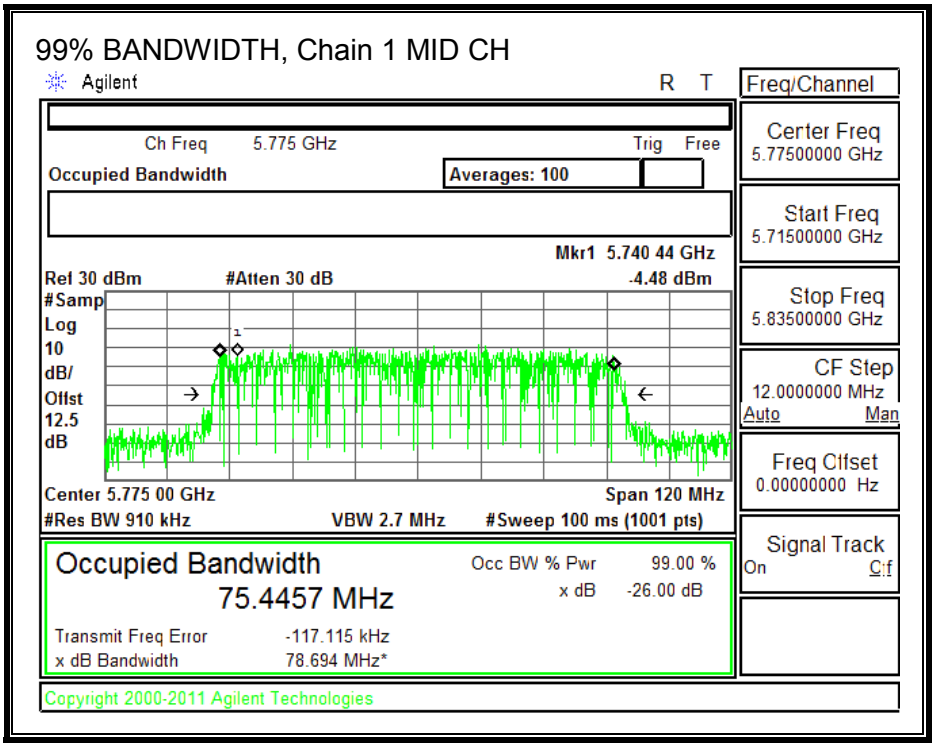
RESULTS

Channel	Frequency (MHz)	99% BW Chain 0 (MHz)	99% BW Chain 1 (MHz)
Mid	5775	75.4998	75.4457

99% BANDWIDTH, Chain 0



99% BANDWIDTH, Chain 1



9.46.4. 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.

DIRECTIONAL ANTENNA GAIN

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

Chain 0 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)
4.78	5.26	5.03

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

Chain 0 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Correlated Chains Directional Gain (dBi)
4.78	5.26	8.03

RESULTS

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)
Mid	5775	5.03	30.00

Duty Cycle CF (dB)	0.22	Included in Calculations of Corr'd Power

Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	13.25	13.28	16.50	30.00	-13.50

9.46.5. MAXIMUM POWER SPECTRAL DENSITY (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 uncorrelated and the antenna gain is unequal among the chains. The directional gain is:

Chain 0 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)
4.78	5.26	5.03

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

Chain 0 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Correlated Chains Directional Gain (dBi)
4.78	5.26	8.03

RESULTS

Antenna Gain and Limit

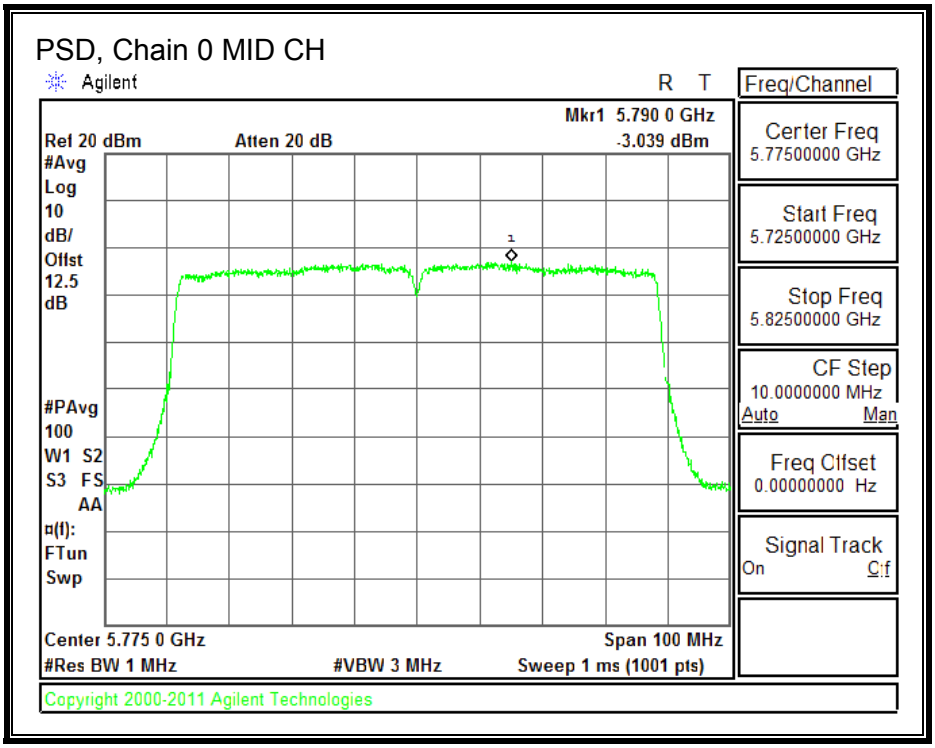
Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm)
Mid	5755	8.03	27.97

Duty Cycle CF (dB)	0.22	Included in Calculations of Corr'd PSD

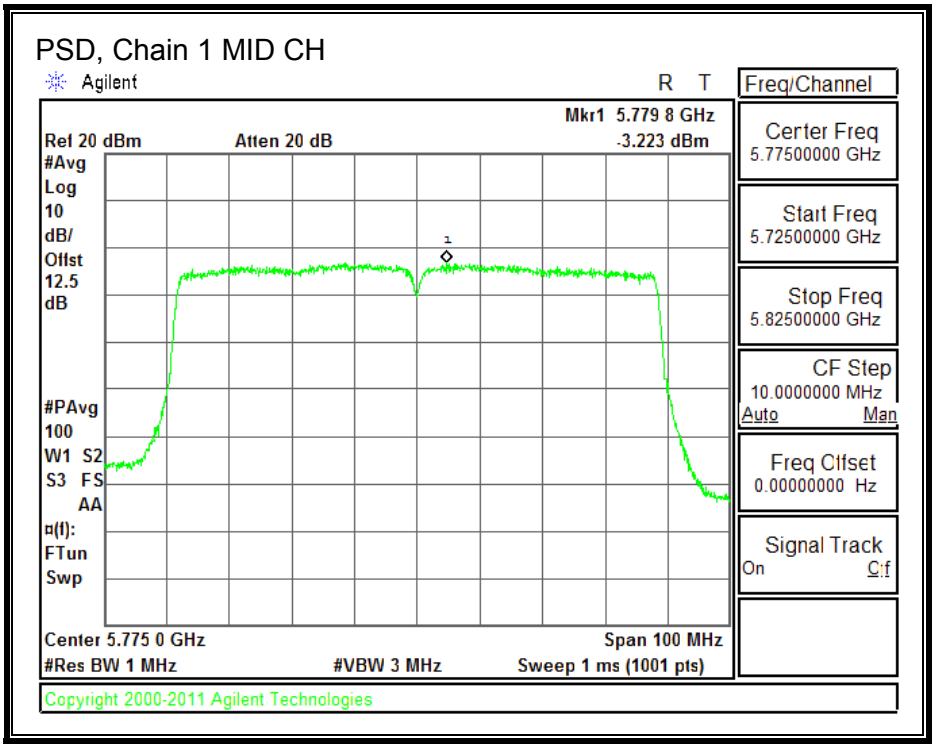
PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm)	Chain 1 Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Mid	5755	-3.04	-3.22	0.10	27.97	-27.87

PSD, Chain 0



PSD, Chain 1



9.47. 802.11ac VHT80 2TX STBC MODE IN THE 5.8 GHz BAND

9.47.1. 6 dB BANDWIDTH

LIMITS

FCC §15.407 (e)

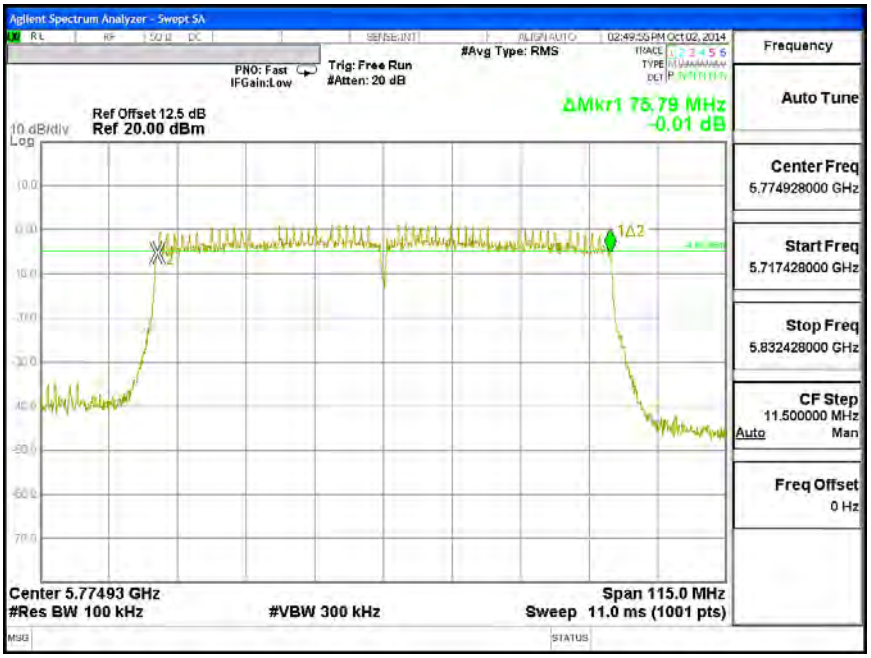
The minimum 6 dB bandwidth shall be at least 500 kHz.

RESULTS

Channel	Frequency (MHz)	6 dB BW Chain 0 (MHz)	6 dB BW Chain 1 (MHz)	Minimum Limit (MHz)
Mid	5775	75.790	75.790	0.5

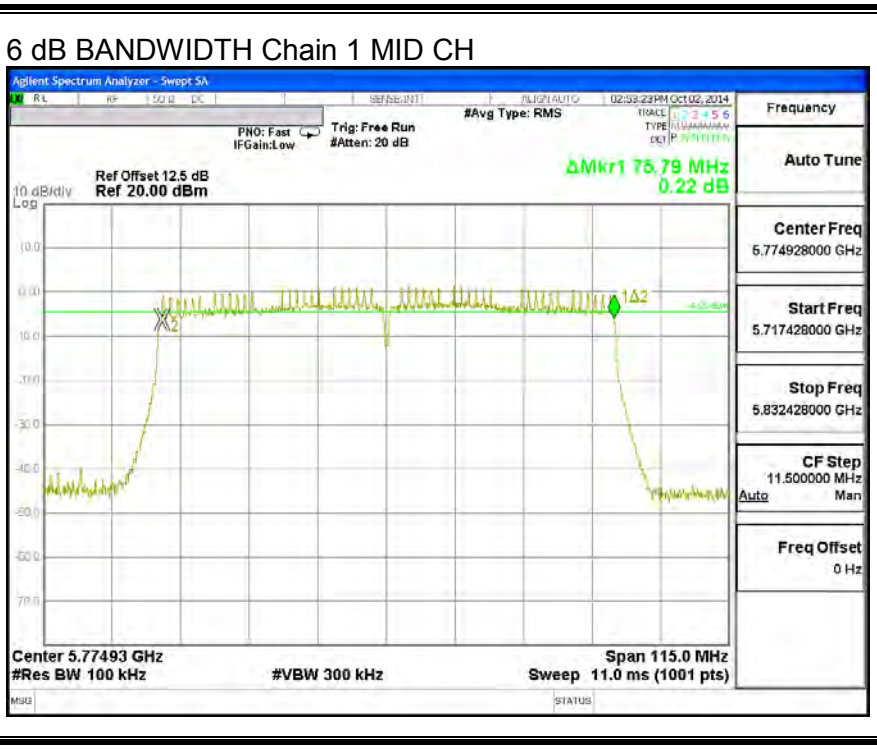
6 dB BANDWIDTH, Chain 0

6 dB BANDWIDTH Chain 0 MID CH



6 dB BANDWIDTH, Chain 1

6 dB BANDWIDTH Chain 1 MID CH



9.47.2. 26 dB BANDWIDTH

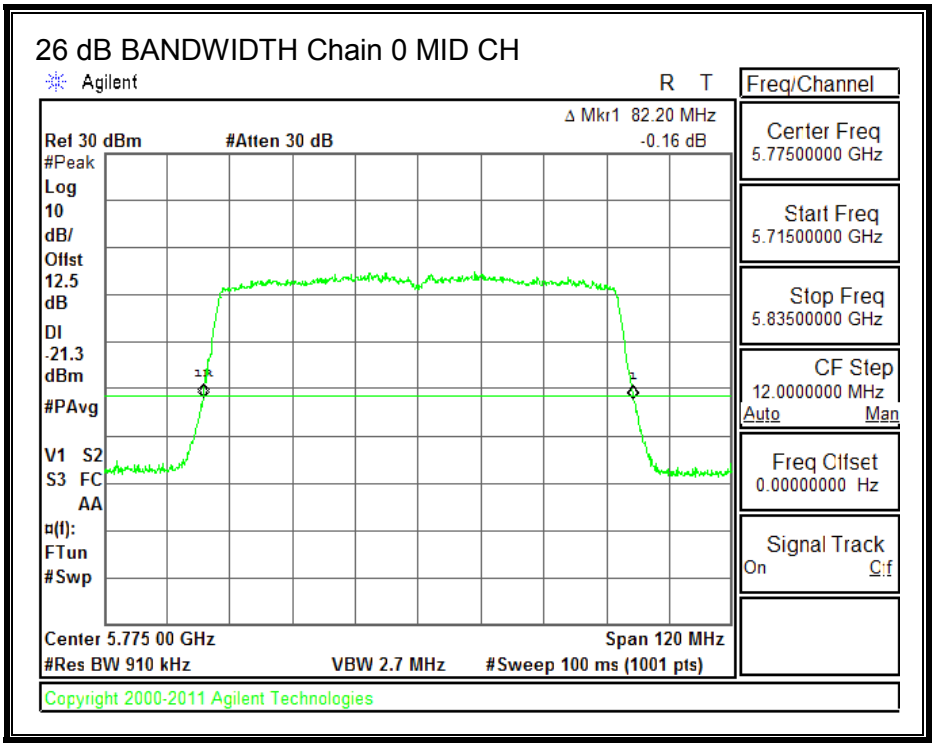
LIMITS

None, for reporting purposes only.

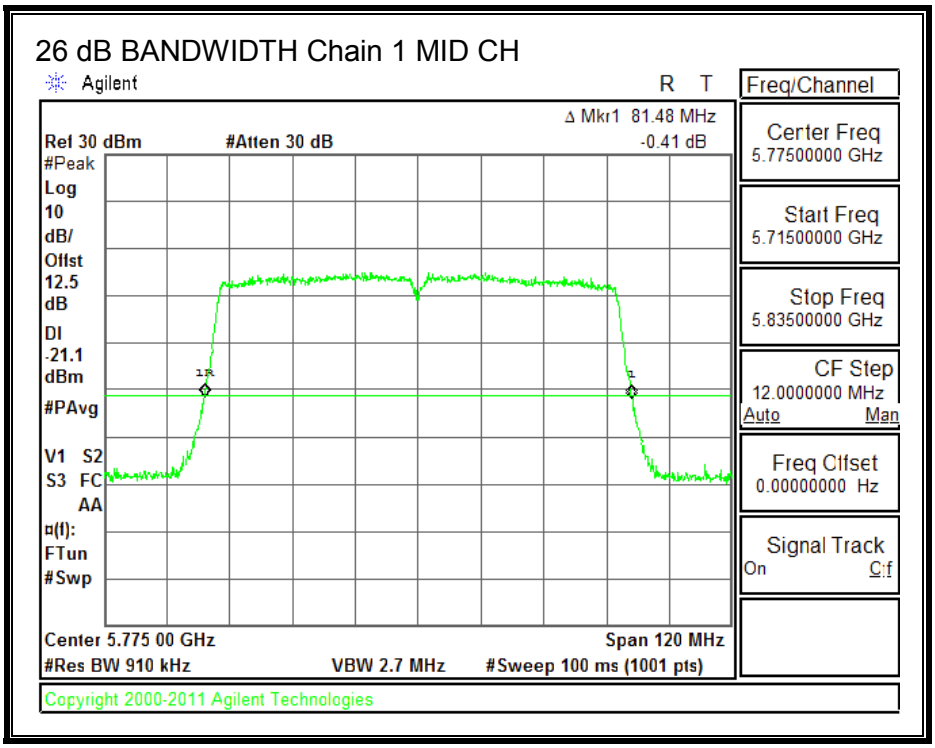
RESULTS

Channel	Frequency (MHz)	26 dB BW Chain 0 (MHz)	26 dB BW Chain 1 (MHz)
Mid	5775	82.20	81.48

26 dB BANDWIDTH, Chain 0



26 dB BANDWIDTH, Chain 1



9.47.3. 99% BANDWIDTH

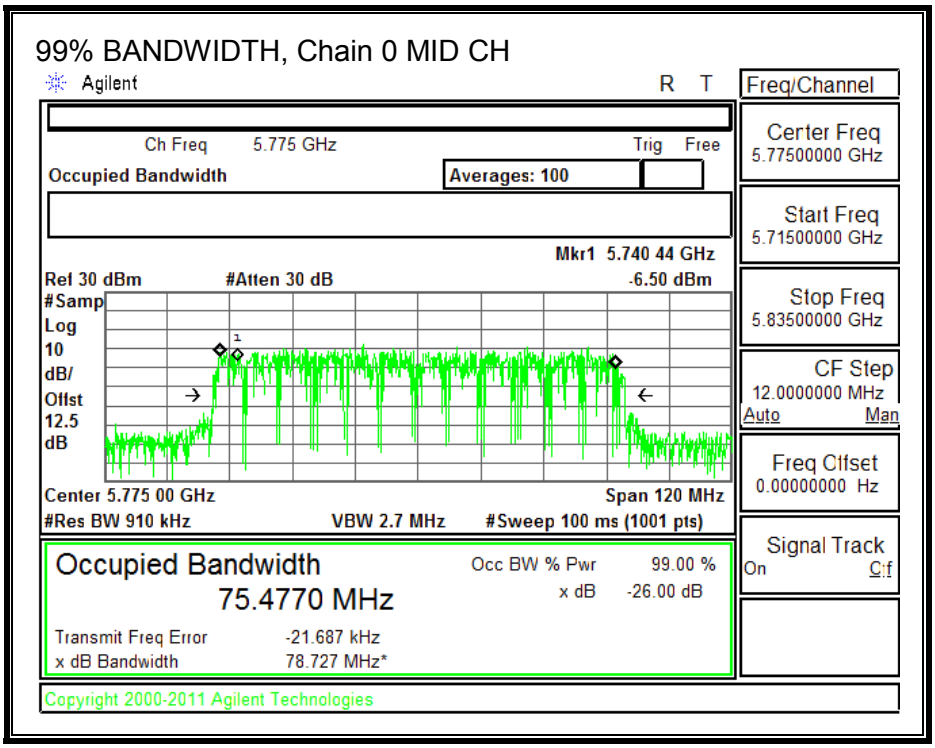
LIMITS

None; for reporting purposes only.

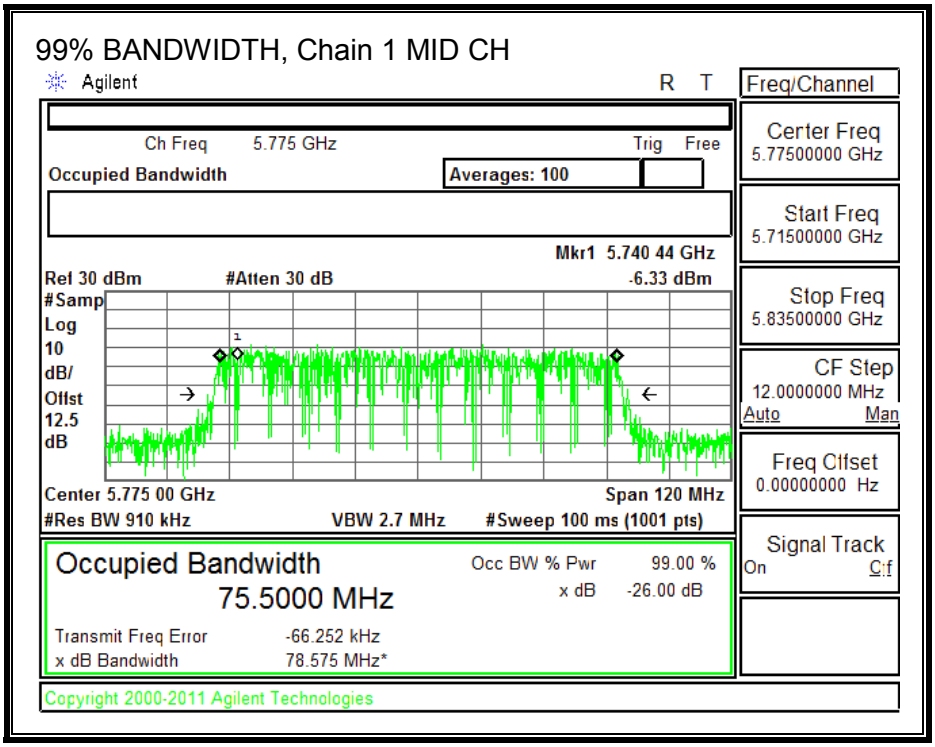
RESULTS

Channel	Frequency (MHz)	99% BW Chain 0 (MHz)	99% BW Chain 1 (MHz)
Mid	5775	75.4770	75.5000

99% BANDWIDTH, Chain 0



99% BANDWIDTH, Chain 1



9.47.4. 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.

DIRECTIONAL ANTENNA GAIN

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

Chain 0 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)
4.78	5.26	5.03

RESULTS

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)
Mid	5775	5.03	30.00

Duty Cycle CF (dB)	0.22	Included in Calculations of Corr'd Power

Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	13.26	13.27	16.50	30.00	-13.50

9.47.5. MAXIMUM POWER SPECTRAL DENSITY (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 uncorrelated and the antenna gain is unequal among the chains. The directional gain is:

Chain 0 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)
4.78	5.26	5.03

RESULTS

Antenna Gain and Limit

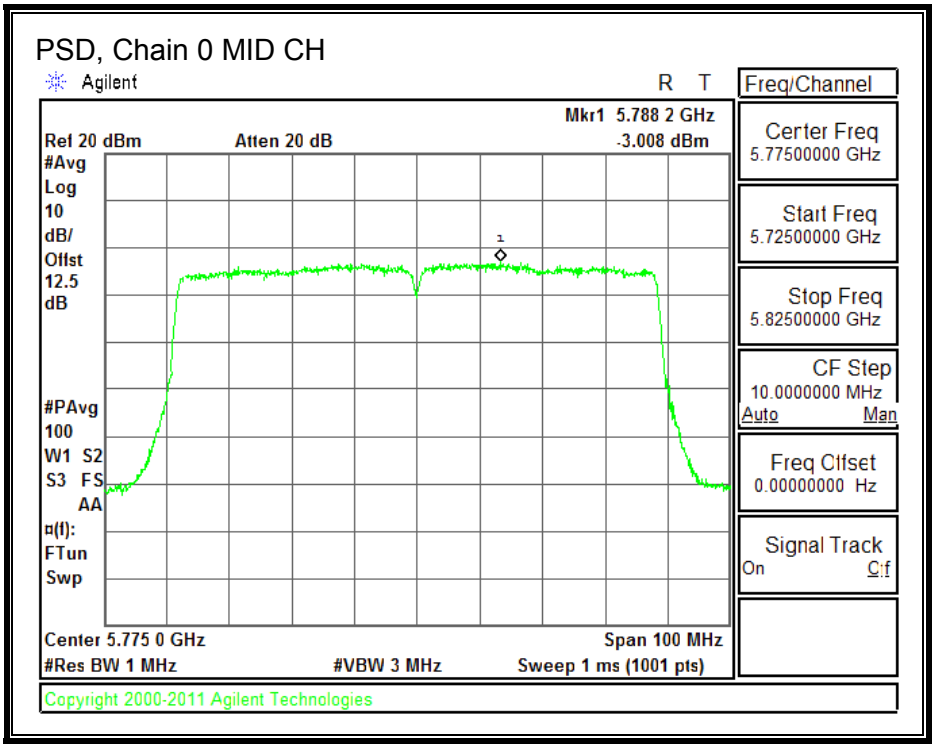
Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm)
Mid	5755	5.03	30.00

Duty Cycle CF (dB)	0.22	Included in Calculations of Corr'd PSD

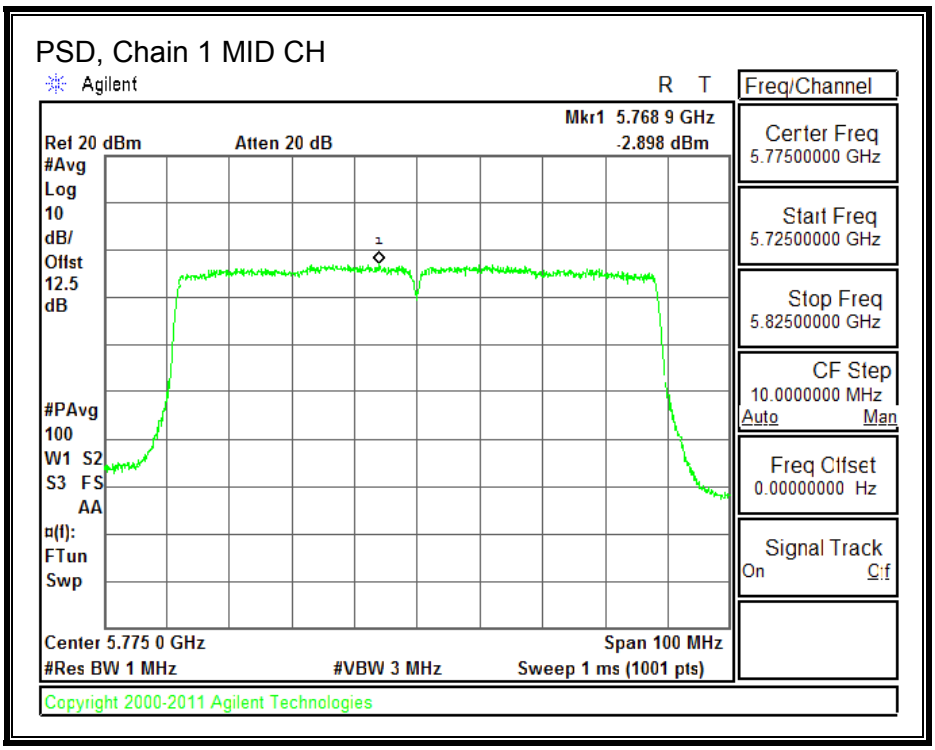
PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm)	Chain 1 Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Mid	5755	-3.01	-2.90	0.28	30.00	-29.72

PSD, Chain 0



PSD, Chain 1



9.48. 802.11ac VHT80 2TX BF IN THE 5.8 GHz BAND

Refer to Section 9.47.4, 802.11ac VHT80 2TX CDD MODE IN THE 5.8 GHz BAND.

The power per chain used for 802.11ac VHT80 2TX CDD IN THE 5.8 GHz mode is the same power per chain that will be for 802.11ac VHT80 2TX BF IN THE 5.8 GHz mode. However, since BF is correlated and CDD is uncorrelated for output power, the section below for output power using correlated antenna gain for this mode shows it is still compliant.

9.48.1. 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.

DIRECTIONAL ANTENNA GAIN

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

Chain 0 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Correlated Chains Directional Gain (dBi)
4.78	5.26	8.03

RESULTS

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)
Mid	5775	8.03	27.97

Duty Cycle CF (dB)	0.26	Included in Calculations of Corr'd Power

Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	13.25	13.28	16.54	27.97	-11.43

10. RADIATED TEST RESULTS

10.1. LIMITS

LIMITS

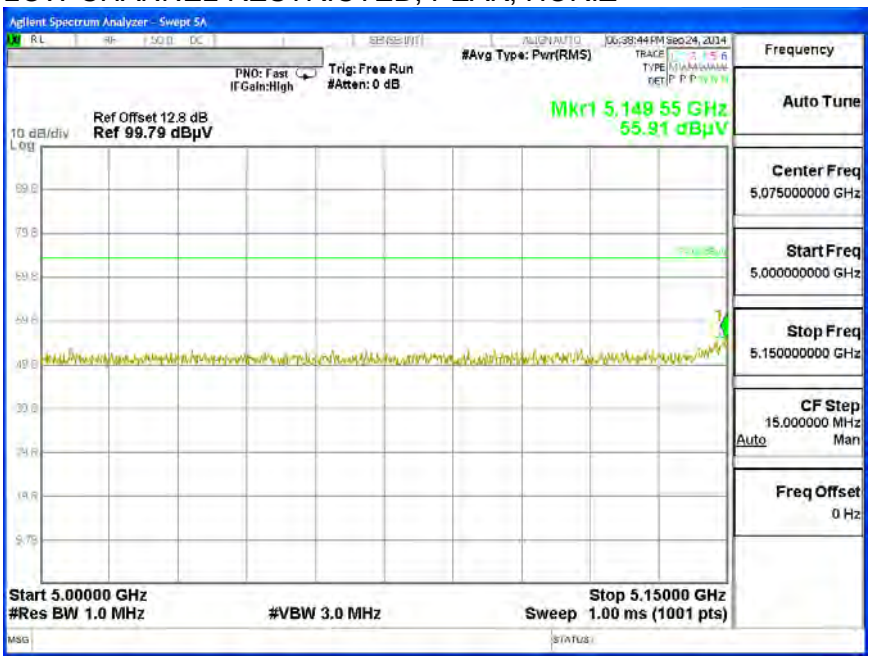
FCC §15.205 and §15.209

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

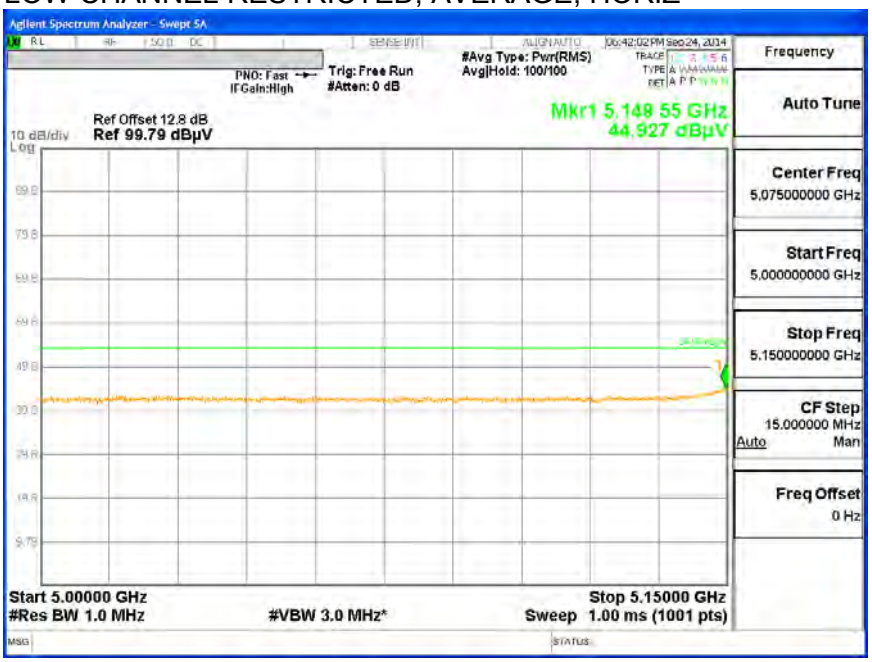
10.2. TX ABOVE 1 GHz 802.11a 1TX MODE IN THE 5.2 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

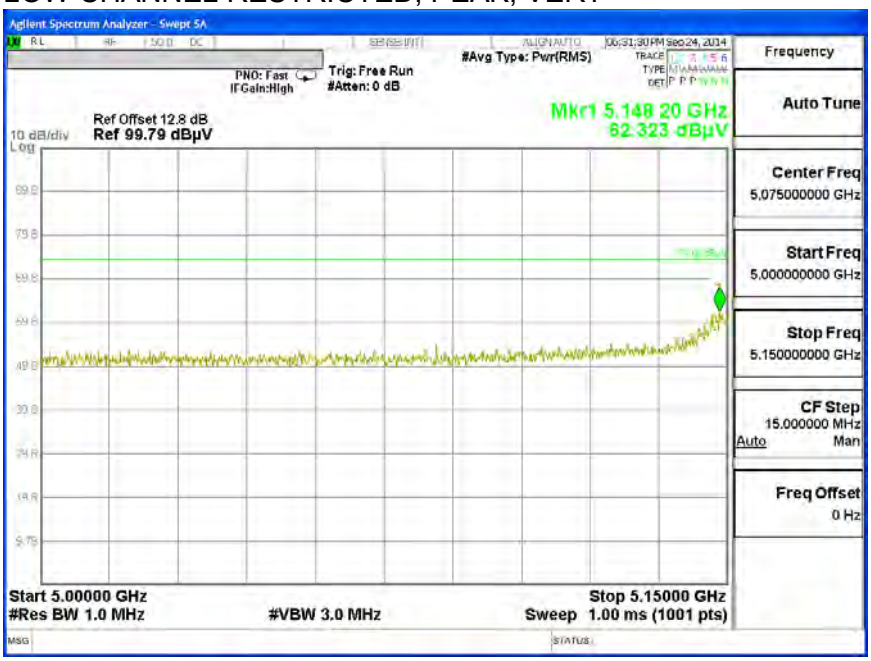
LOW CHANNEL RESTRICTED, PEAK, HORIZ



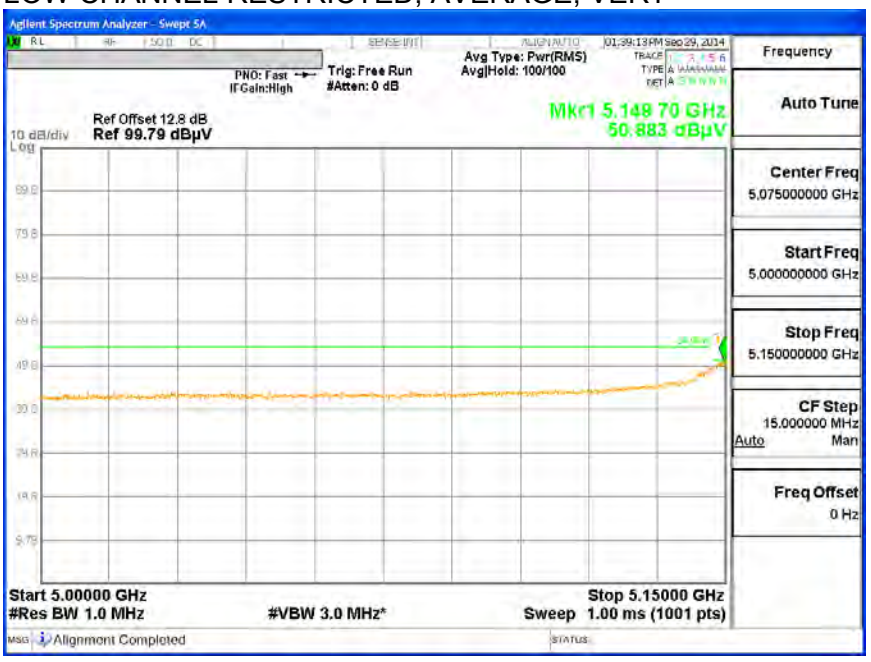
LOW CHANNEL RESTRICTED, AVERAGE, HORIZ



LOW CHANNEL RESTRICTED, PEAK, VERT

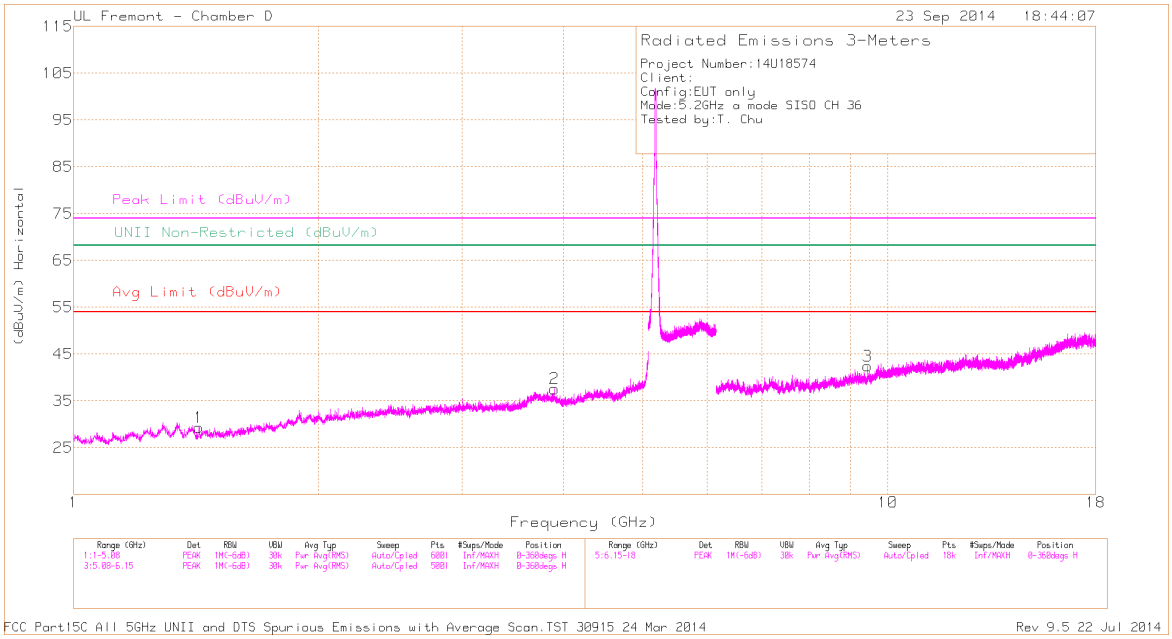


LOW CHANNEL RESTRICTED, AVERAGE, VERT

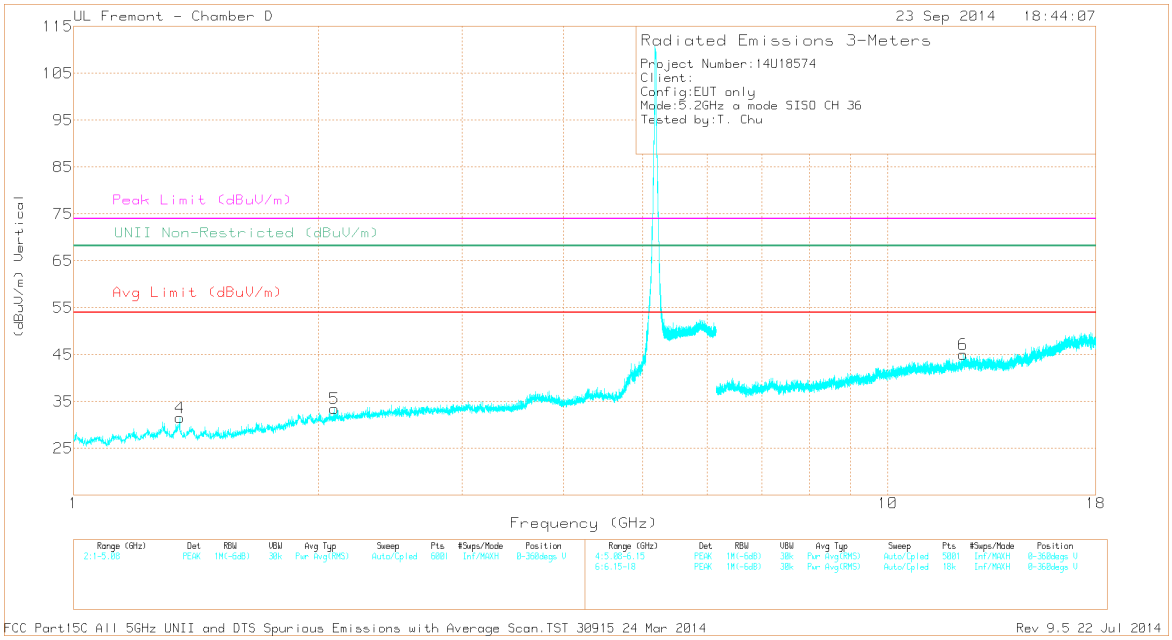


LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL PLOT



LOW CHANNEL VERTICAL PLOT



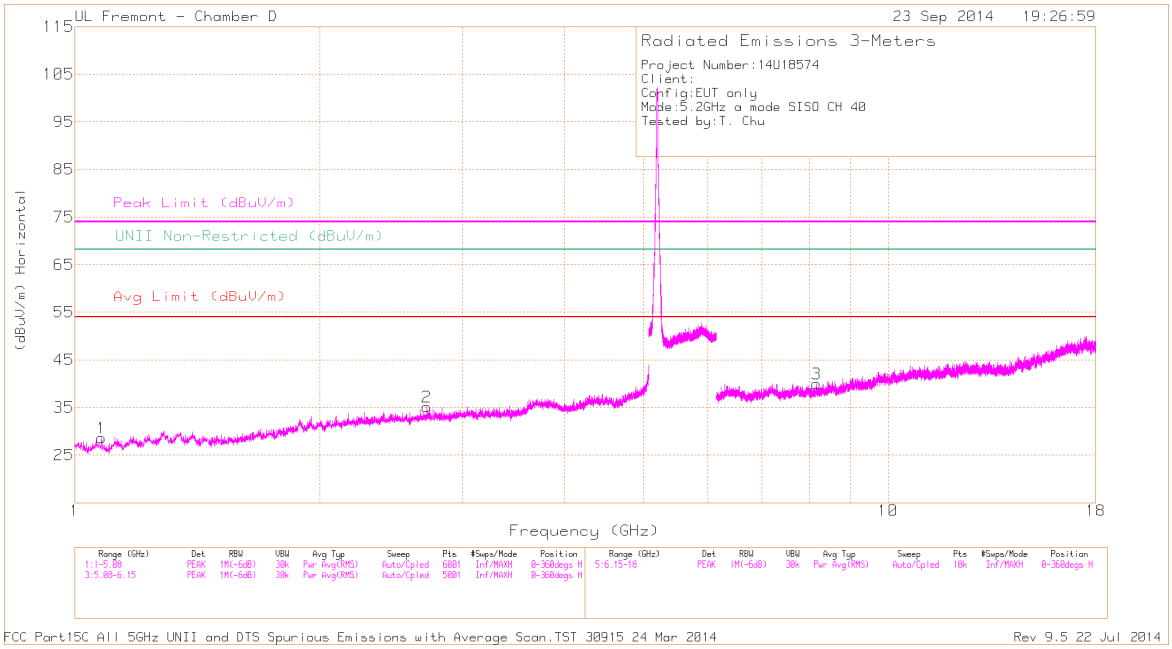
DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl /Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.427	39.68	PK1	28.4	-31.5	0	36.58	-	-	74	-37.42	-	-	360	100	H
	* 1.427	28.37	AD1	28.4	-31.5	0	25.27	54	-28.73	-	-	-	-	360	100	H
2	* 3.899	38.63	PK1	33.5	-28.7	0	43.43	-	-	74	-30.57	-	-	360	100	H
	* 3.899	27.45	AD1	33.5	-28.7	0	32.25	54	-21.75	-	-	-	-	360	100	H
3	* 9.450	34.49	PK1	36.5	-22.0	0	48.99	-	-	74	-25.01	-	-	360	100	H
	* 9.451	23.43	AD1	36.5	-22.0	0	37.93	54	-16.07	-	-	-	-	360	100	H
4	* 1.350	41.30	PK1	28.7	-31.1	0	38.90	-	-	74	-35.10	-	-	360	100	V
	* 1.349	29.17	AD1	28.7	-31.1	0	26.77	54	-27.23	-	-	-	-	360	100	V
5	2.091	40.08	PK1	31.4	-30.9	0	40.58	-	-	-	-	68.2	-27.62	360	100	V
6	* 12.374	34.07	PK1	39.0	-21.7	0	51.37	-	-	74	-22.63	-	-	360	100	V
	* 12.374	23.48	AD1	39.0	-21.7	0	40.78	54	-13.22	-	-	-	-	360	100	V

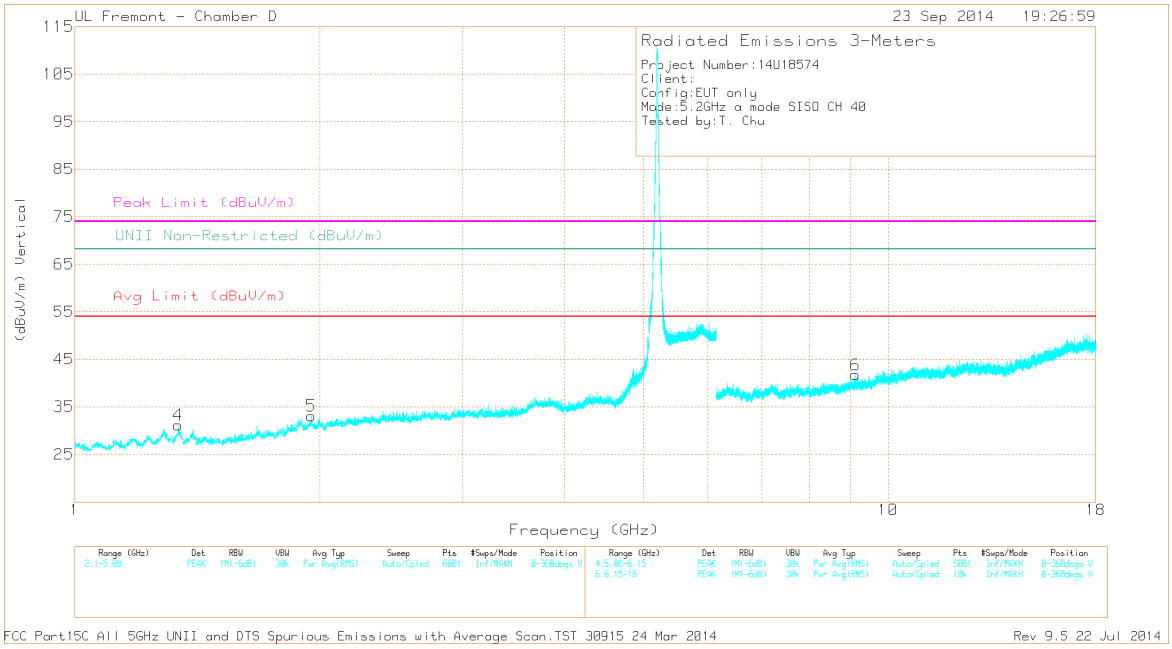
* - indicates frequency in CFR15.205/IC8.10 Restricted Band
PK1 - KDB789033 Method: Peak
AD1 - KDB789033 Method: AD Primary Power Average

MID CHANNEL HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL HORIZONTAL PLOT



MID CHANNEL VERTICAL PLOT



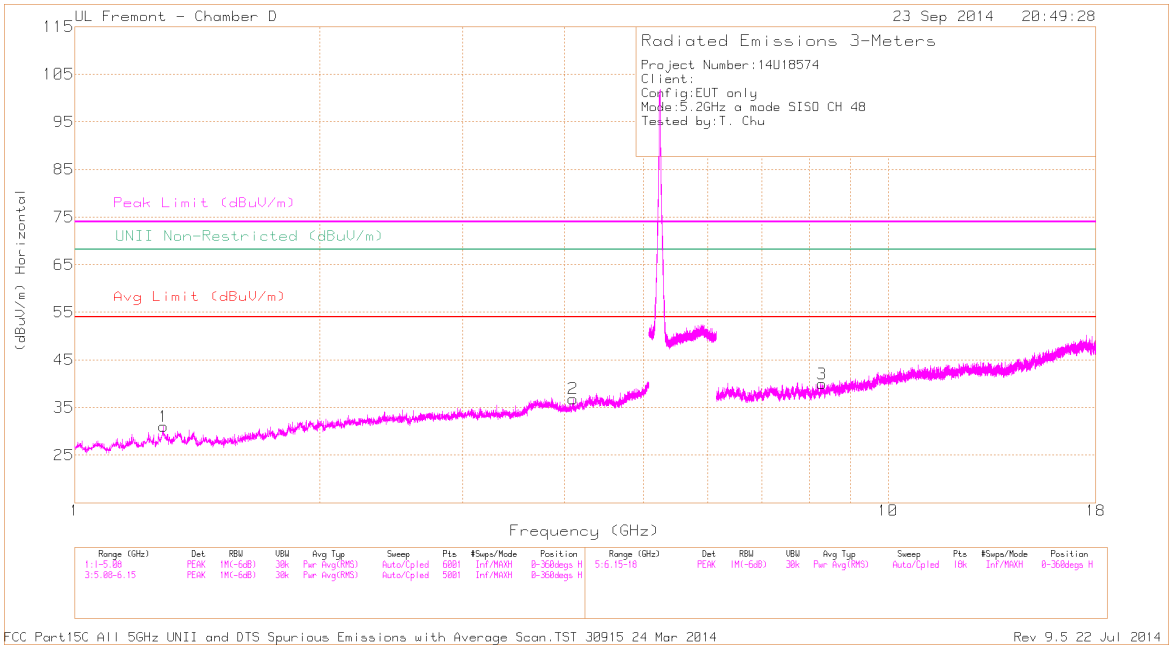
DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.080	40.19	PK1	27.0	-31.8	0	35.39	-	-	74	-38.61	-	-	0	100	H
	* 1.078	29.4	AD1	27.0	-31.8	0	24.60	54	-29.40	-	-	-	-	0	100	H
2	* 2.709	39.74	PK1	32.4	-29.5	0	42.64	-	-	74	-31.36	-	-	0	100	H
	* 2.707	28.00	AD1	32.4	-29.5	0	30.90	54	-23.10	-	-	-	-	0	100	H
3	* 8.168	35.33	PK1	35.8	-24.3	0	46.83	-	-	74	-27.17	-	-	0	100	H
	* 8.167	24.69	AD1	35.8	-24.3	0	36.19	54	-17.81	-	-	-	-	0	100	H
4	* 1.340	40.55	PK1	28.7	-31.2	0	38.05	-	-	74	-35.95	-	-	0	100	V
	* 1.339	29.37	AD1	28.7	-31.2	0	26.87	54	-27.13	-	-	-	-	0	100	V
5	1.953	40.32	PK1	30.9	-30.4	0	40.82	-	-	-	-	68.2	-27.38	0	100	V
6	* 9.117	33.89	PK1	36.3	-22.2	0	47.99	-	-	74	-26.01	-	-	0	100	V
	* 9.117	23.63	AD1	36.3	-22.2	0	37.73	54	-16.27	-	-	-	-	0	100	V

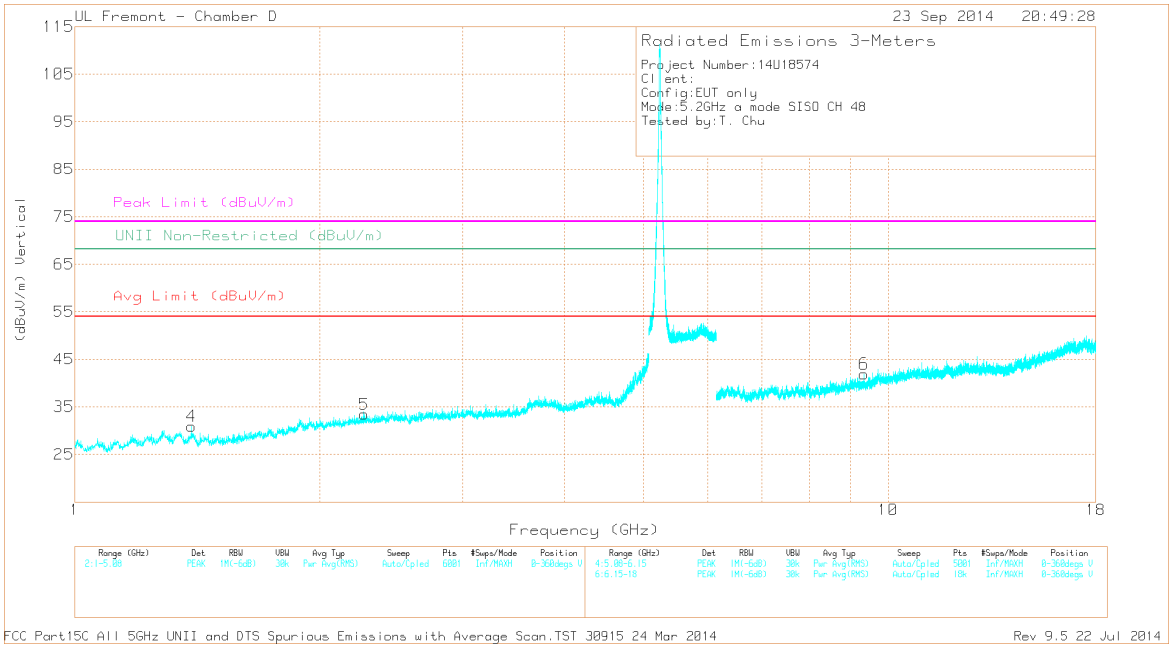
* - indicates frequency in CFR15.205/IC8.10 Restricted Band
PK1 - KDB789033 Method: Peak
AD1 - KDB789033 Method: AD Primary Power Average

HIGH CHANNEL HARMONICS AND SPURIOUS EMISSIONS

HIGH CHANNEL HORIZONTAL PLOT



HIGH CHANNEL VERTICAL PLOT



DATA

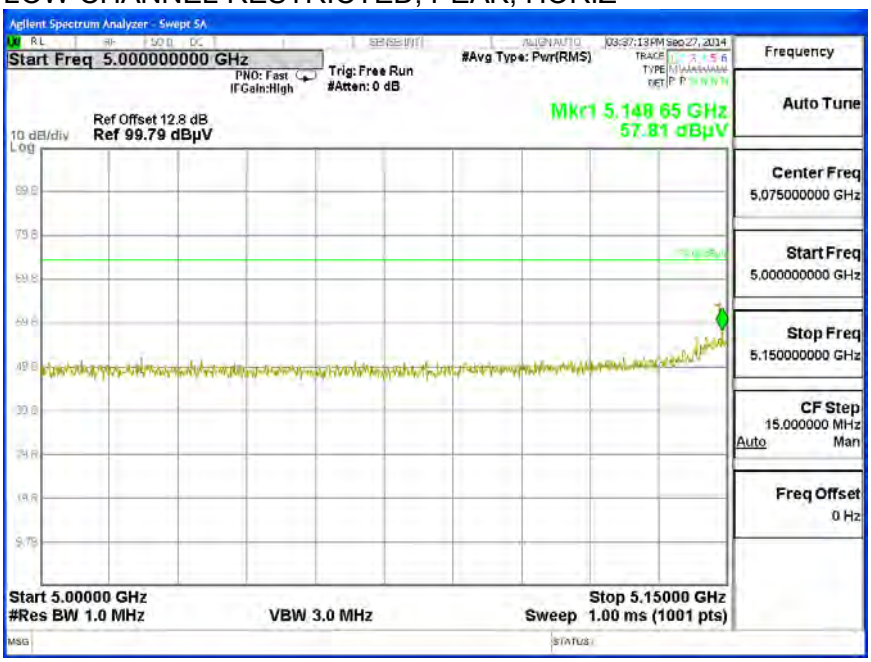
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl /Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.288	41.34	PK1	28.8	-31.2	0	38.94	-	-	74	-35.06	-	-	0	100	H
	* 1.285	29.39	AD1	28.7	-31.3	0	26.79	54	-27.21	-	-	-	-	0	100	H
2	* 4.098	37.69	PK1	33.5	-28.3	0	42.89	-	-	74	-31.11	-	-	0	100	H
	* 4.100	26.91	AD1	33.5	-28.3	0	32.11	54	-21.89	-	-	-	-	0	100	H
3	* 8.299	35.53	PK1	35.8	-24.1	0	47.23	-	-	74	-26.77	-	-	0	100	H
	* 8.300	24.60	AD1	35.8	-24.1	0	36.30	54	-17.70	-	-	-	-	0	100	H
4	* 1.391	40.41	PK1	28.6	-31.3	0	37.71	-	-	74	-36.29	-	-	0	100	V
	* 1.391	29.23	AD1	28.6	-31.3	0	26.61	54	-27.47	-	-	-	-	0	100	V
5	* 2.268	39.71	PK1	31.8	-30.3	0	41.21	-	-	74	-32.79	-	-	0	100	V
	* 2.269	28.28	AD1	31.8	-30.3	0	29.78	54	-24.22	-	-	-	-	0	100	V
6	* 9.341	33.83	PK1	36.4	-22.2	0	48.03	-	-	74	-25.97	-	-	0	100	V
	* 9.340	23.67	AD1	36.4	-22.2	0	37.87	54	-16.13	-	-	-	-	0	100	V

* - indicates frequency in CFR15.205/IC8.10 Restricted Band
PK1 - KDB789033 Method: Peak
AD1 - KDB789033 Method: AD Primary Power Average

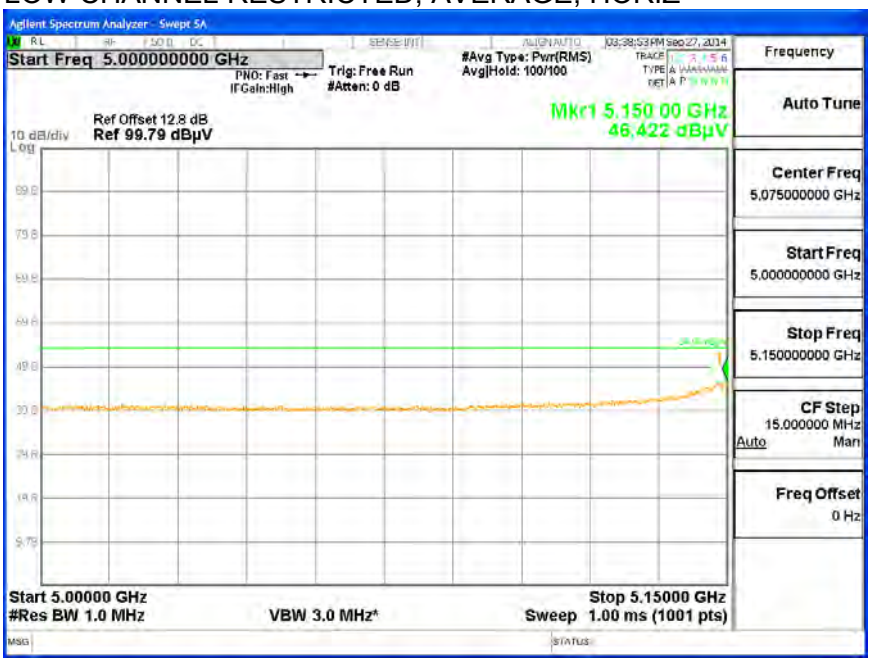
10.3. TX ABOVE 1 GHz 802.11n HT20 2TX CDD MODE IN THE 5.2 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

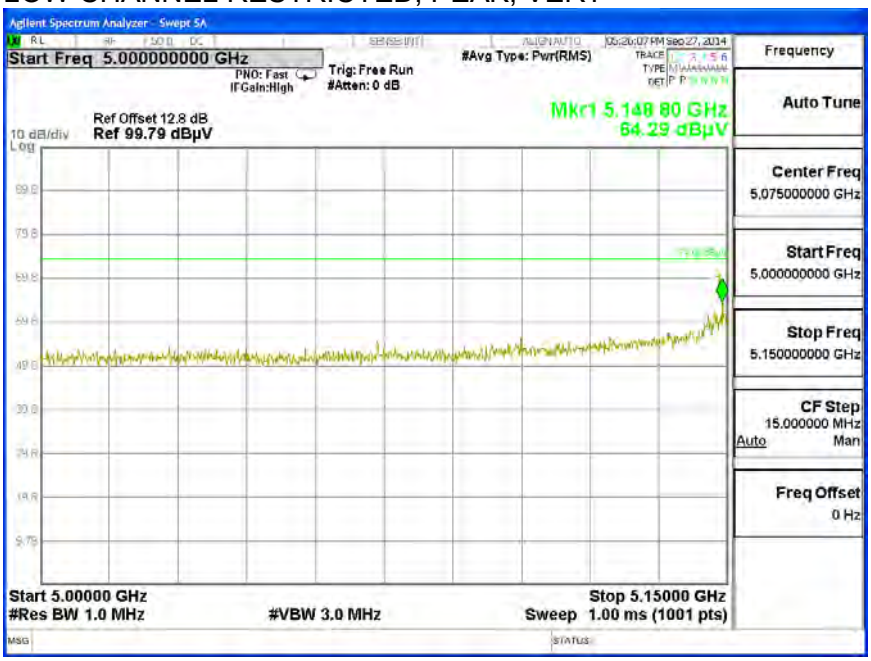
LOW CHANNEL RESTRICTED, PEAK, HORIZ



LOW CHANNEL RESTRICTED, AVERAGE, HORIZ



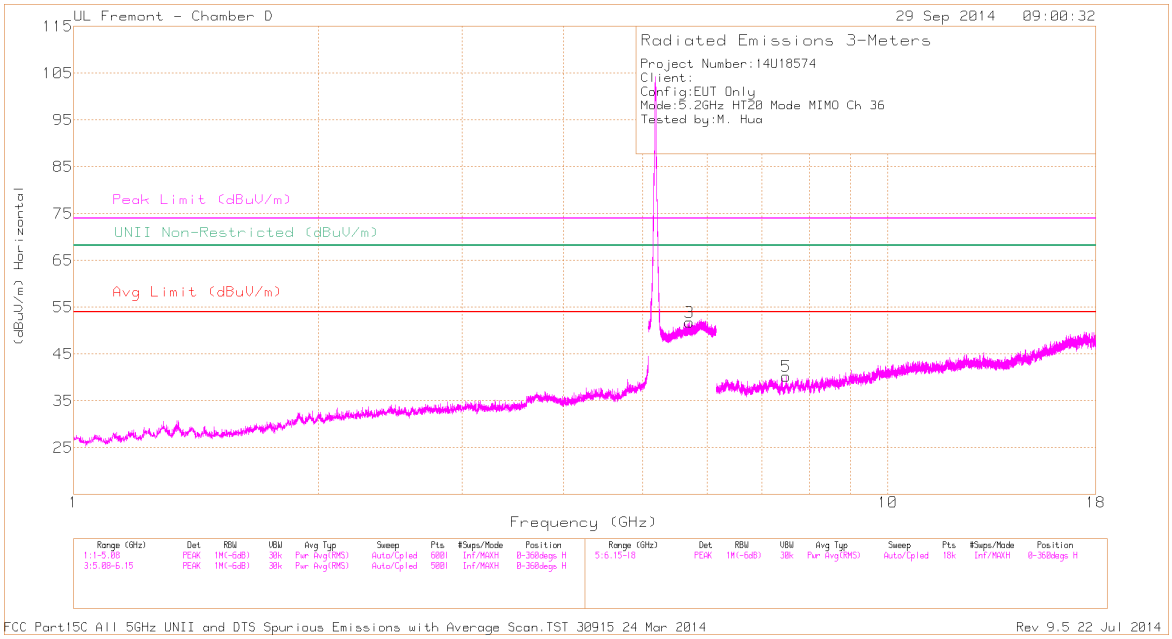
LOW CHANNEL RESTRICTED, PEAK, VERT



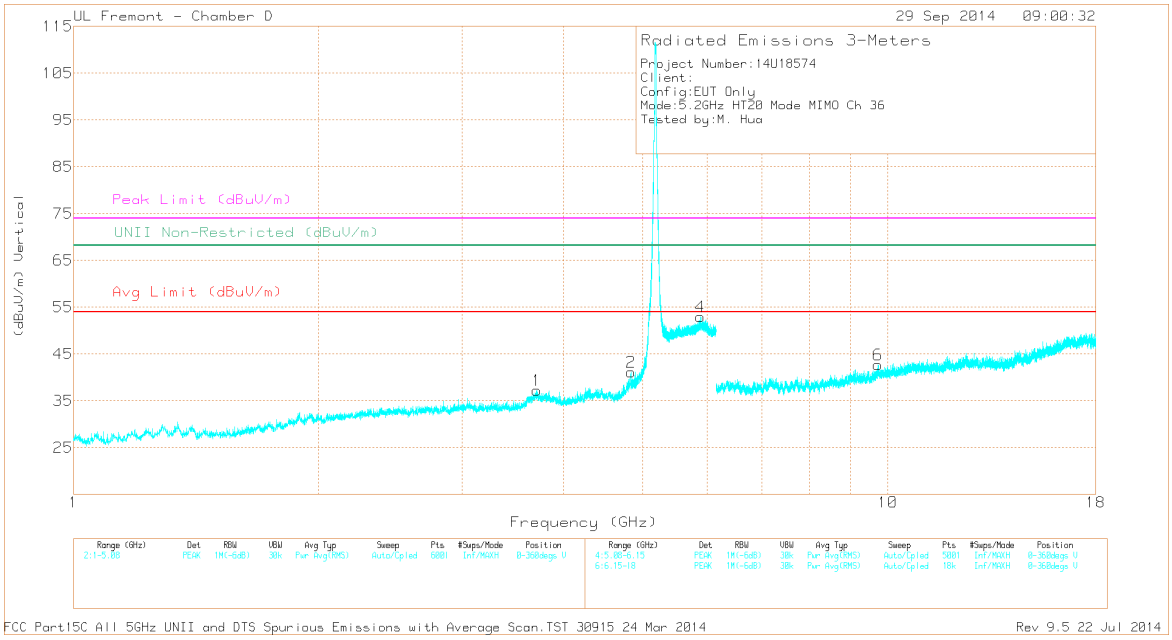
LOW CHANNEL RESTRICTED, AVERAGE, VERT

LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL PLOT



LOW CHANNEL VERTICAL PLOT



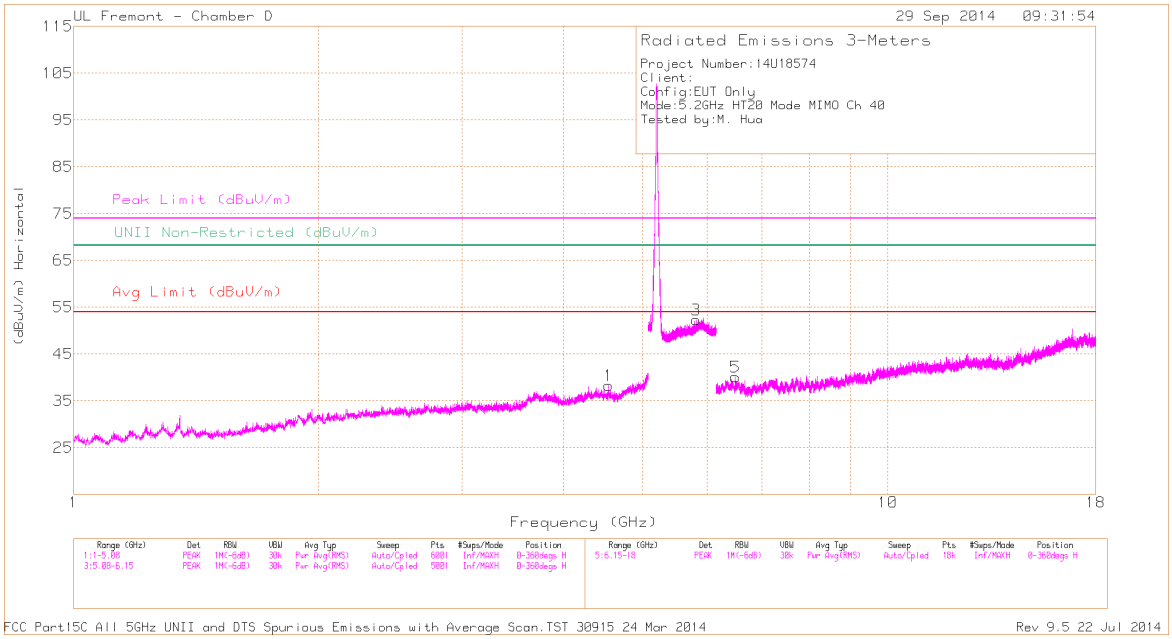
DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl /Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.710	38.56	PK1	33.2	-28.4	0	43.36	-	-	74	-30.64	-	-	360	100	V
	* 3.708	27.54	AD1	33.2	-28.4	0	32.34	54	-21.66	-	-	-	-	360	100	V
2	* 4.834	38.35	PK1	34.2	-27.5	0	45.05	-	-	74	-28.95	-	-	360	100	V
	* 4.835	27.59	AD1	34.2	-27.5	0	34.29	54	-19.71	-	-	-	-	360	100	V
3	5.704	37.11	PK1	34.7	-17.4	0	54.41	-	-	-	-	68.2	-13.79	360	100	H
4	5.882	37.20	PK1	35.1	-17.0	0	55.30	-	-	-	-	68.2	-12.90	329	168	V
5	* 7.499	36.36	PK1	35.6	-24.9	0	47.06	-	-	74	-26.94	-	-	360	100	H
	* 7.498	25.39	AD1	35.6	-24.9	0	36.09	54	-17.91	-	-	-	-	360	100	H
6	9.731	35.29	PK1	36.9	-21.3	0	50.89	-	-	-	-	68.2	-17.31	329	168	V

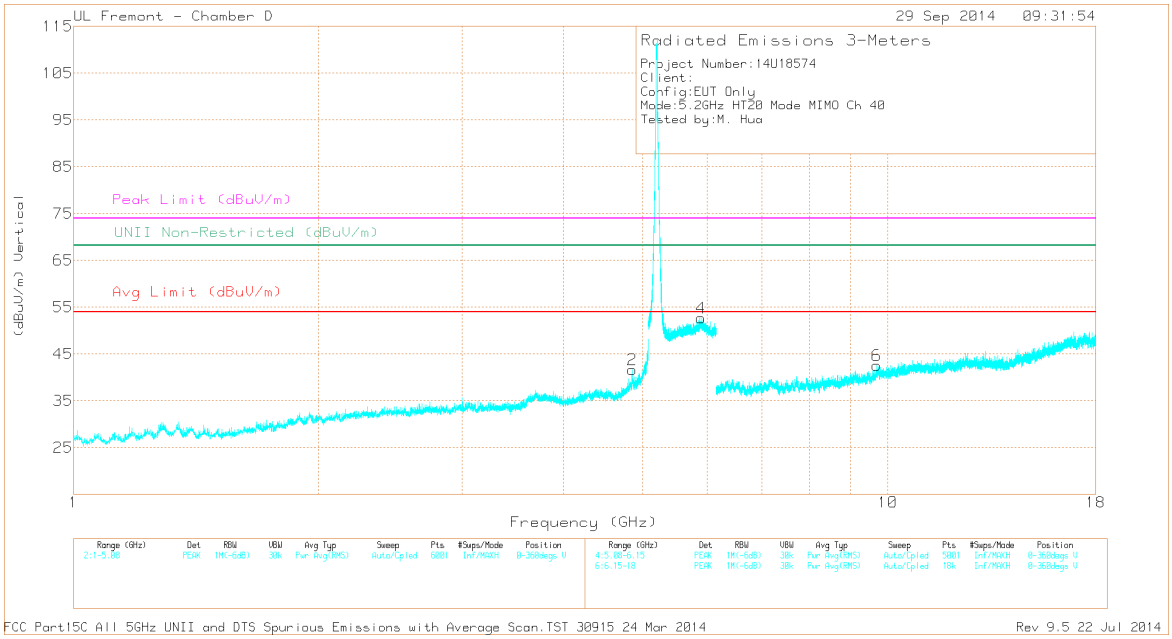
* - indicates frequency in CFR15.205/IC8.10 Restricted Band
PK1 - KDB789033 Method: Peak
AD1 - KDB789033 Method: AD Primary Power Average

MID CHANNEL HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL HORIZONTAL PLOT



MID CHANNEL VERTICAL PLOT



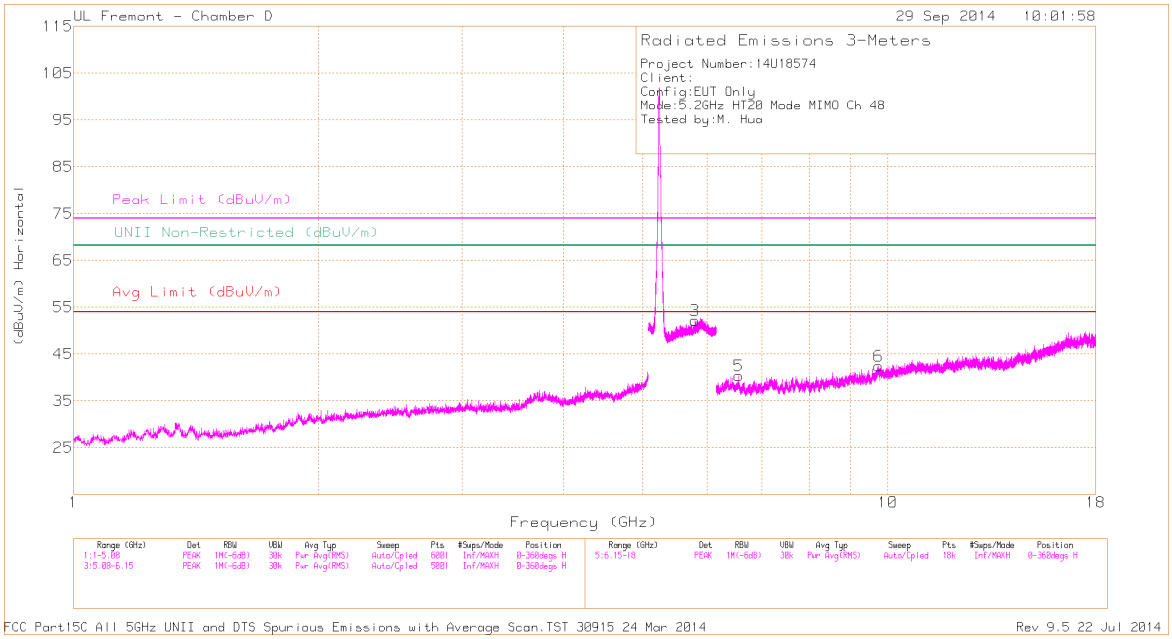
DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.541	37.63	PK1	34.0	-27.2	0	44.43	-	-	74	-29.57	-	-	360	100	H
	* 4.538	26.81	AD1	34.0	-27.0	0	33.81	54	-20.19	-	-	-	-	360	100	H
2	* 4.852	42.69	PK1	34.2	-27.5	0	49.39	-	-	74	-24.61	-	-	227	203	V
	* 4.853	31.73	AD1	34.2	-27.5	0	38.43	54	-15.57	-	-	-	-	227	203	V
3	5.818	36.99	PK1	34.9	-17.4	0	54.49	-	-	-	-	68.2	-13.71	215	234	H
4	5.900	37.70	PK1	35.1	-16.9	0	55.90	-	-	-	-	68.2	-12.30	215	234	V
5	6.495	35.95	PK1	35.6	-25.5	0	46.05	-	-	-	-	68.2	-22.15	215	234	H
6	9.688	34.19	PK1	36.8	-21.7	0	49.29	-	-	-	-	68.2	-18.91	215	234	V

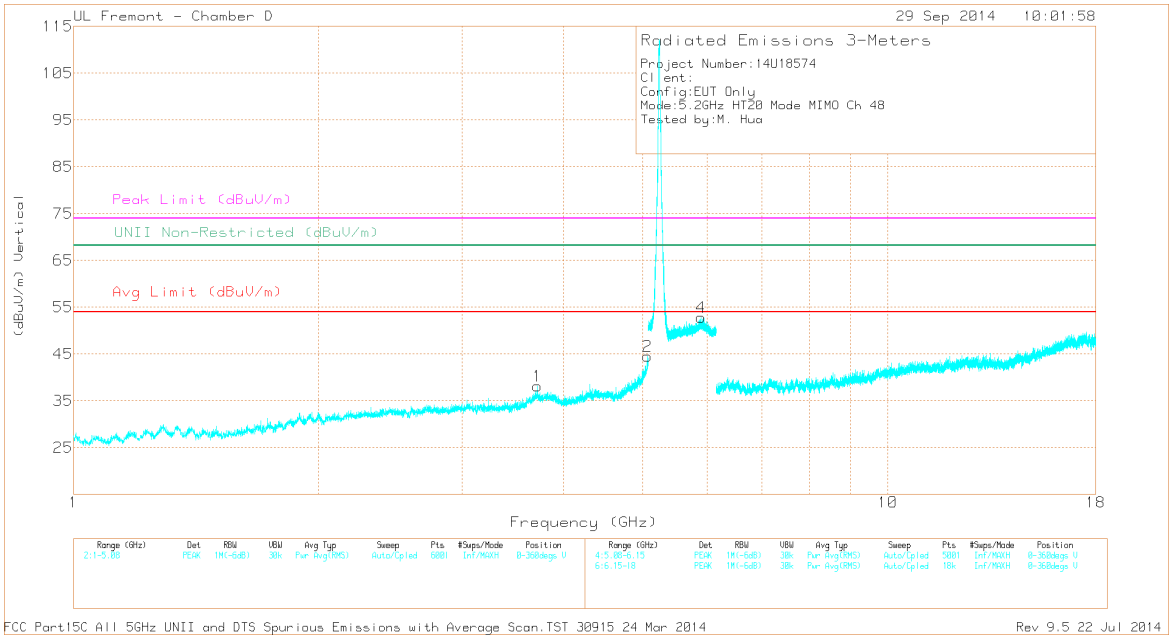
* - indicates frequency in CFR15.205/IC8.10 Restricted Band
PK1 - KDB789033 Method: Peak
AD1 - KDB789033 Method: AD Primary Power Average

HIGH CHANNEL HARMONICS AND SPURIOUS EMISSIONS

HIGH CHANNEL HORIZONTAL PLOT



HIGH CHANNEL VERTICAL PLOT



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl /Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.709	38.48	PK1	33.2	-28.4	0	43.28	-	-	74	-30.72	-	-	360	100	V
	* 3.713	27.35	AD1	33.2	-28.5	0	32.05	54	-21.95	-	-	-	-	360	100	V
2	* 5.067	38.07	PK1	34.3	-25.1	0	47.27	-	-	74	-26.73	-	-	360	100	V
	* 5.071	27.62	AD1	34.3	-25.2	0	36.72	54	-17.28	-	-	-	-	360	100	V
3	5.794	36.95	PK1	34.9	-17.6	0	54.25	-	-	-	-	68.2	-13.95	250	165	H
4	5.896	37.98	PK1	35.1	-16.8	0	56.28	-	-	-	-	68.2	-11.92	250	165	V
5	6.554	36.47	PK1	35.6	-25.2	0	46.87	-	-	-	-	68.2	-21.33	250	165	H
6	9.738	34.35	PK1	36.9	-21.4	0	49.85	-	-	-	-	68.2	-18.35	250	165	H

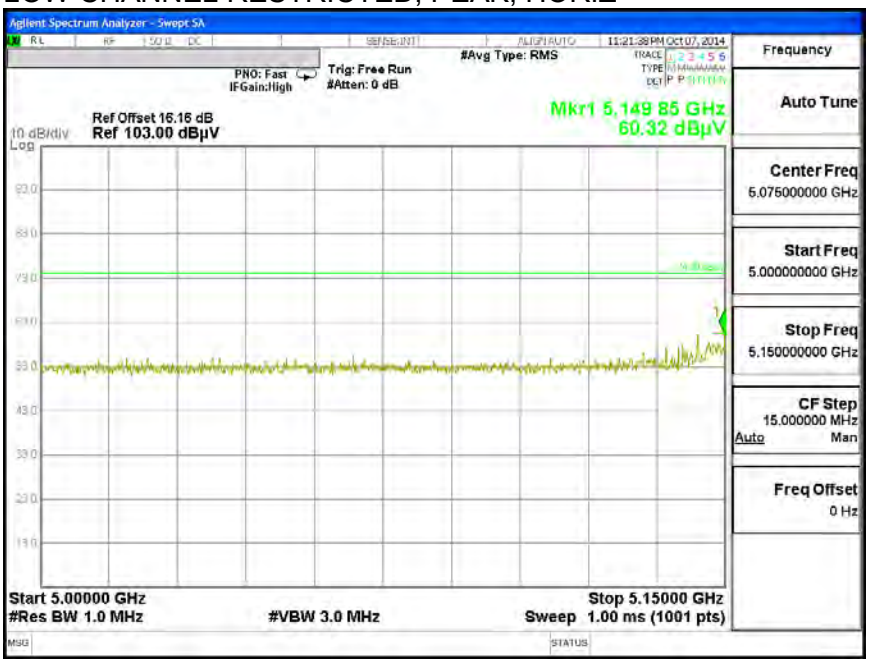
* - indicates frequency in CFR15.205/IC8.10 Restricted Band
PK1 - KDB789033 Method: Peak
AD1 - KDB789033 Method: AD Primary Power Average

10.4. TX ABOVE 1 GHz 802.11n HT20 2TX BF MODE IN THE 5.2 GHz BAND

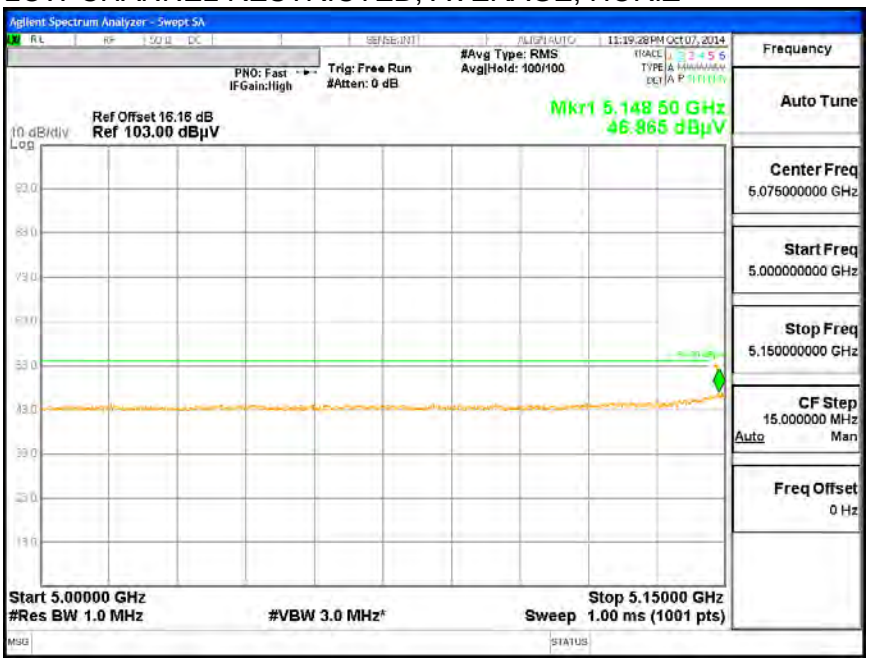
RESTRICTED BANDEDGE (LOW CHANNEL)

Note: Peak and Average BE plots include the duty cycle factor of 0.12dBm in this section.

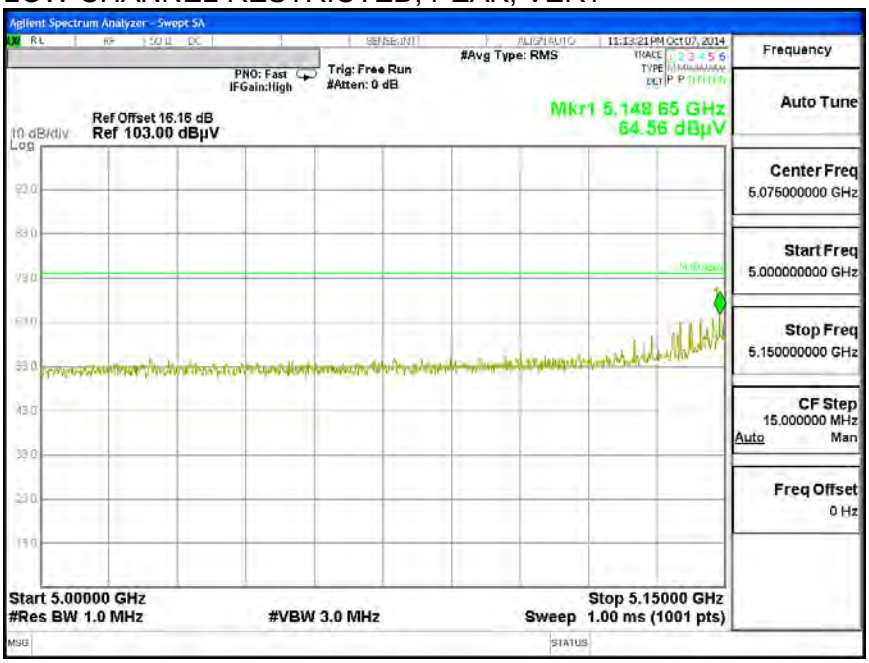
LOW CHANNEL RESTRICTED, PEAK, HORIZ



LOW CHANNEL RESTRICTED, AVERAGE, HORIZ



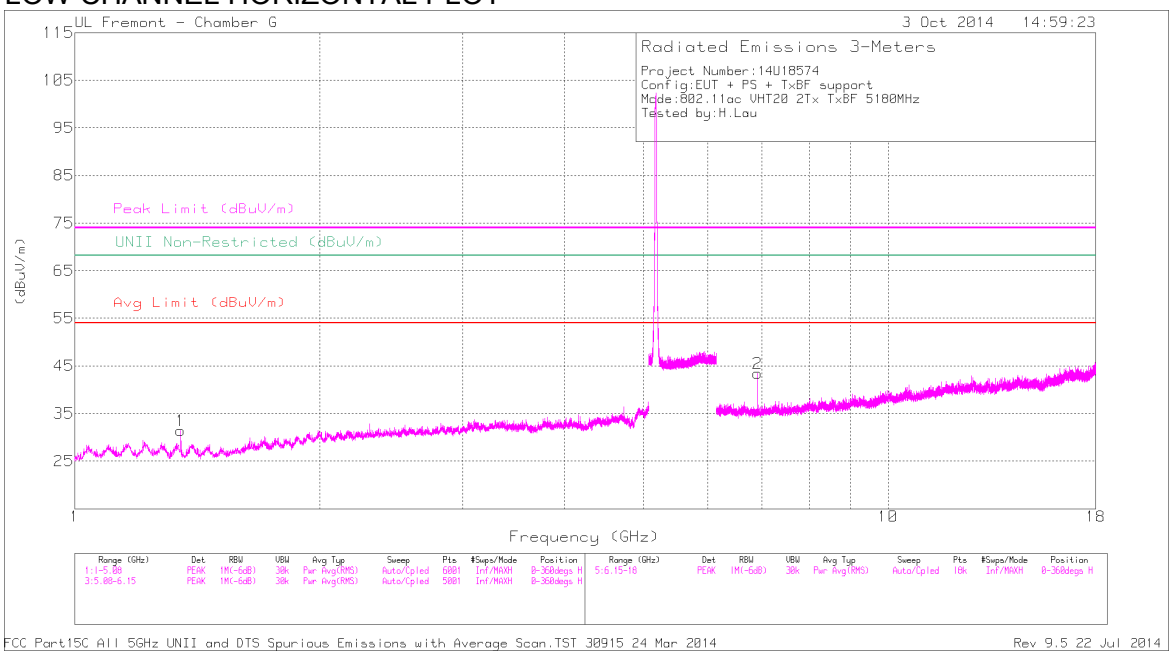
LOW CHANNEL RESTRICTED, PEAK, VERT



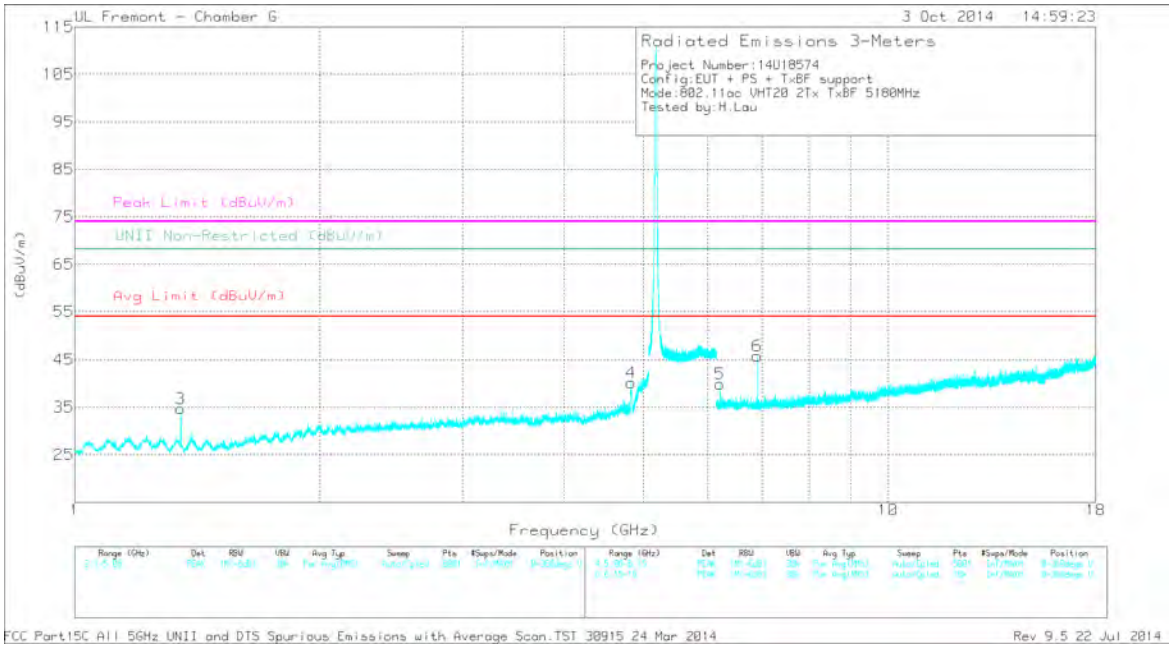
LOW CHANNEL RESTRICTED, AVERAGE, VERT

LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL PLOT



LOW CHANNEL VERTICAL PLOT



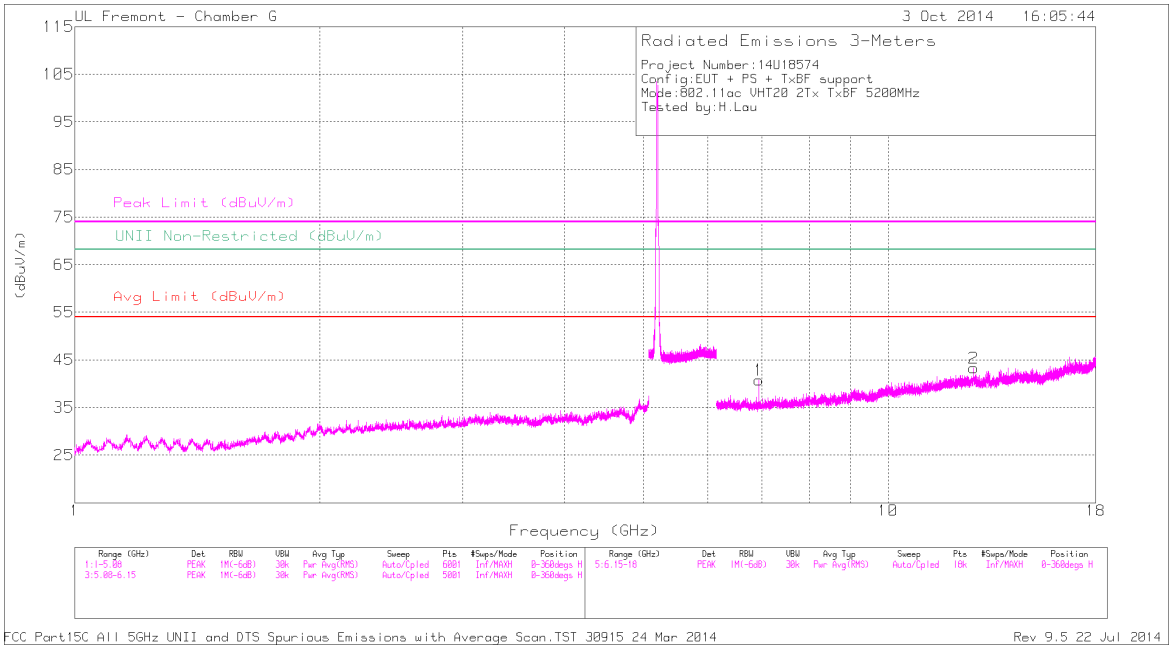
DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl /Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.350	45.26	PK1	28.7	-35.6	0	38.36	-	-	74	-35.64	-	-	104	194	H
	* 1.350	31.10	AD1	28.7	-35.6	0.12	24.32	54	-29.68	-	-	-	-	104	194	H
2	6.906	46.38	PK1	35.6	-31.8	0	50.18	-	-	-	-	68.2	-18.02	278	282	H
3	* 1.350	45.20	PK1	28.7	-35.6	0	38.3	-	-	74	-35.70	-	-	55	278	V
	* 1.350	31.16	AD1	28.7	-35.6	0.12	24.38	54	-29.62	-	-	-	-	55	278	V
4	* 4.834	45.78	PK1	34.1	-32.5	0	47.38	-	-	74	-26.62	-	-	170	190	V
	* 4.835	38.64	AD1	34.1	-32.5	0.12	40.36	54	-13.64	-	-	-	-	170	190	V
5	6.216	44.65	PK1	35.6	-32.2	0	48.05	-	-	-	-	68.2	-20.15	175	146	V
6	6.907	46.52	PK1	35.6	-31.8	0	50.32	-	-	-	-	68.2	-17.88	196	199	V

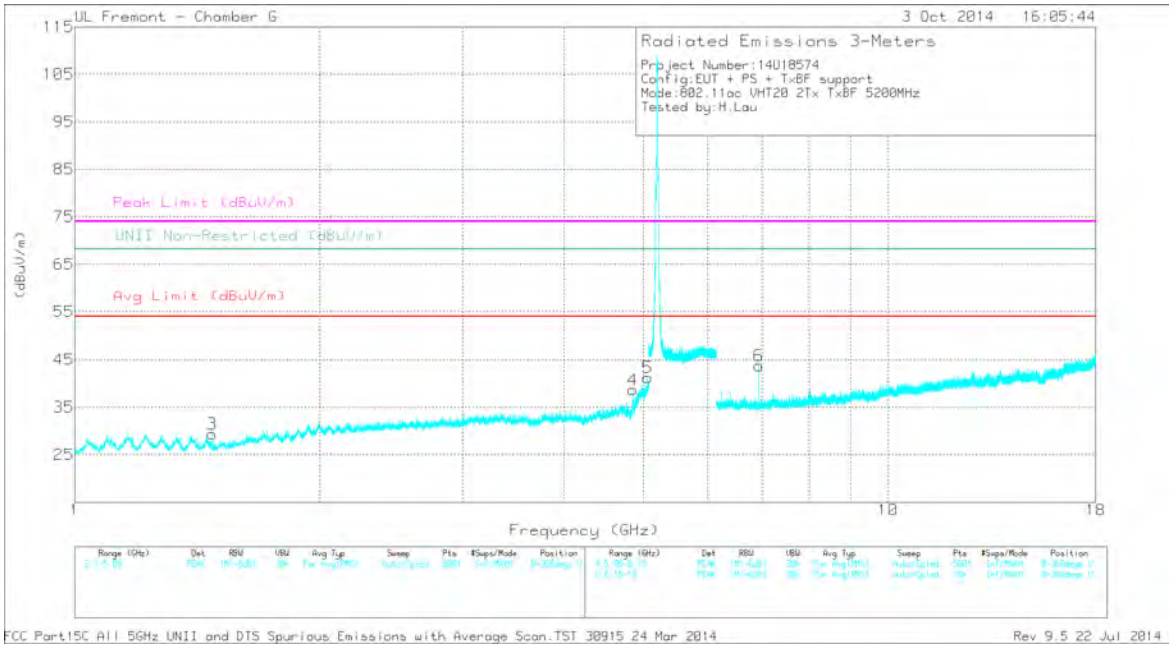
* - indicates frequency in CFR15.205/IC8.10 Restricted Band
PK1 - KDB789033 Method: Peak
AD1 - KDB789033 Method: AD Primary Power Average

MID CHANNEL HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL HORIZONTAL PLOT



MID CHANNEL VERTICAL PLOT



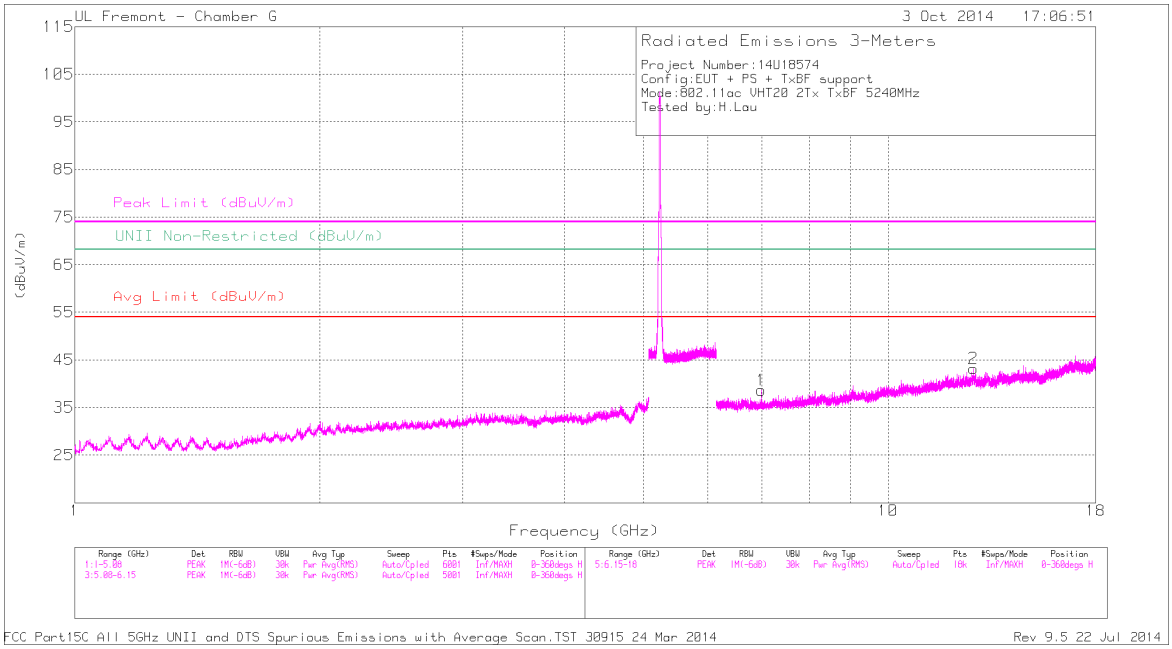
DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (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	6.933	45.88	PK1	35.6	-31.9	0	49.58	-	-	-	-	68.2	-18.62	281	260	H
2	12.743	37.31	PK1	39.1	-25.4	0	51.01	-	-	-	-	68.2	-17.19	43	117	H
3	* 1.477	42.72	PK1	28.0	-35.1	0	35.62	-	-	74	-38.38	-	-	211	148	V
	* 1.476	30.47	AD1	28.0	-35.1	0.12	23.49	54	-30.51	-	-	-	-	211	148	V
4	* 4.853	46.81	PK1	34.1	-32.5	0	48.41	-	-	74	-25.59	-	-	174	209	V
	* 4.853	37.38	AD1	34.1	-32.5	0.12	38.20	54	-14.80	-	-	-	-	174	209	V
5	* 5.054	45.91	PK1	34.2	-31.2	0	48.91	-	-	74	-25.09	-	-	245	216	V
	* 5.067	34.46	AD1	34.2	-30.8	0.12	37.74	54	-16.02	-	-	-	-	245	216	V
6	6.933	46.62	PK1	35.6	-31.9	0	50.32	-	-	-	-	68.2	-17.88	263	153	V

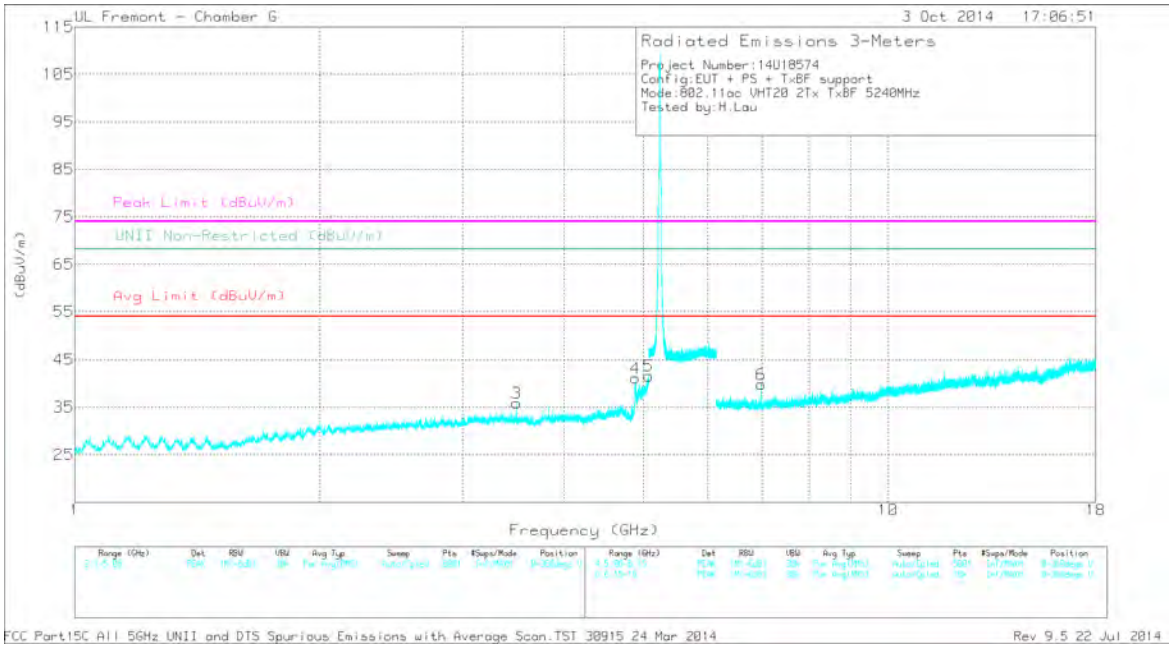
* - indicates frequency in CFR15.205/IC8.10 Restricted Band
PK1 - KDB789033 Method: Peak
AD1 - KDB789033 Method: AD Primary Power Average

HIGH CHANNEL HARMONICS AND SPURIOUS EMISSIONS

HIGH CHANNEL HORIZONTAL PLOT



HIGH CHANNEL VERTICAL PLOT



DATA

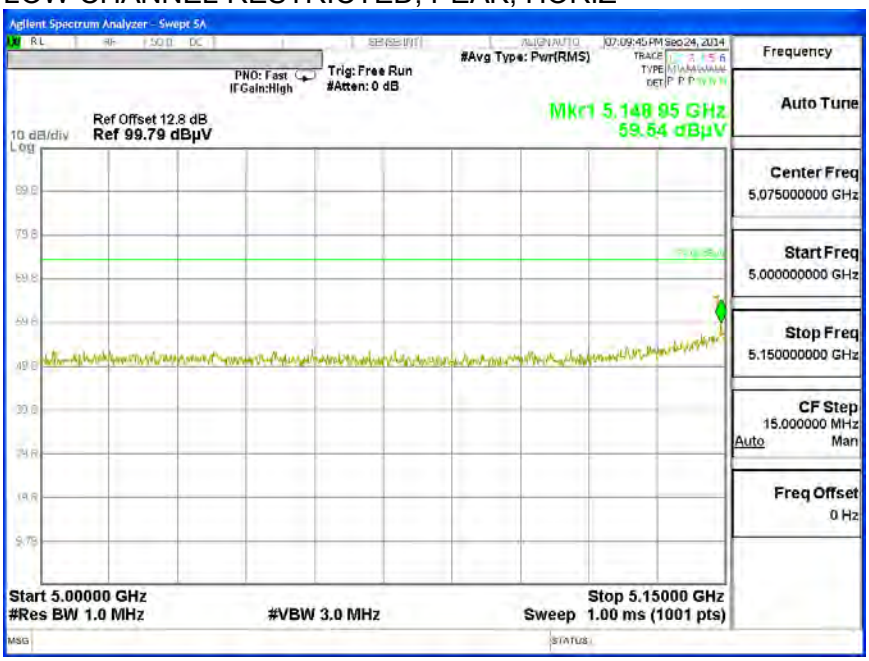
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl /Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	6.986	43.72	PK1	35.6	-31.7	0	47.62	-	-	-	-	68.2	-20.58	279	258	H
2	12.733	36.53	PK1	39.1	-25.4	0	50.23	-	-	-	-	68.2	-17.97	189	141	H
3	3.493	44.78	PK1	32.8	-34.0	0	43.58	-	-	-	-	68.2	-24.62	193	178	V
4	* 4.890	46.45	PK1	34.1	-32.2	0	48.35	-	-	74	-25.65	-	-	173	206	V
	* 4.891	37.75	AD1	34.1	-32.2	0.12	39.77	54	-14.23	-	-	-	-	173	206	V
5	* 5.051	46.66	PK1	34.2	-31.3	0	49.56	-	-	74	-24.44	-	-	247	217	V
	* 5.065	35.03	AD1	34.2	-30.9	0.12	38.45	54	-15.55	-	-	-	-	247	217	V
6	6.987	43.82	PK1	35.6	-31.7	0	47.72	-	-	-	-	68.2	-20.48	201	166	V

* - indicates frequency in CFR15.205/IC8.10 Restricted Band
PK1 - KDB789033 Method: Peak
AD1 - KDB789033 Method: AD Primary Power Average

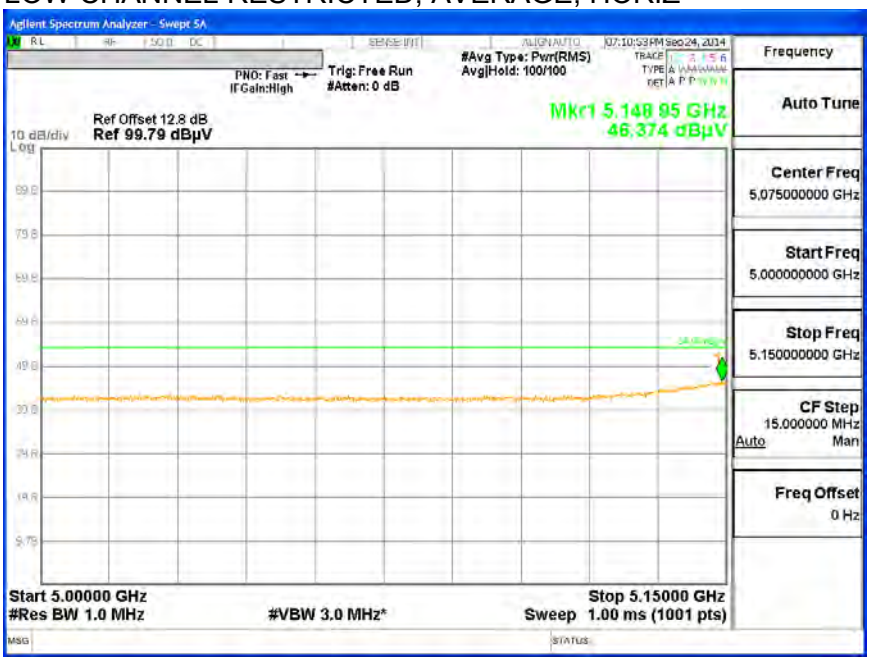
10.5. TX ABOVE 1 GHz 802.11n HT40 1TX CDD MODE IN THE 5.2 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

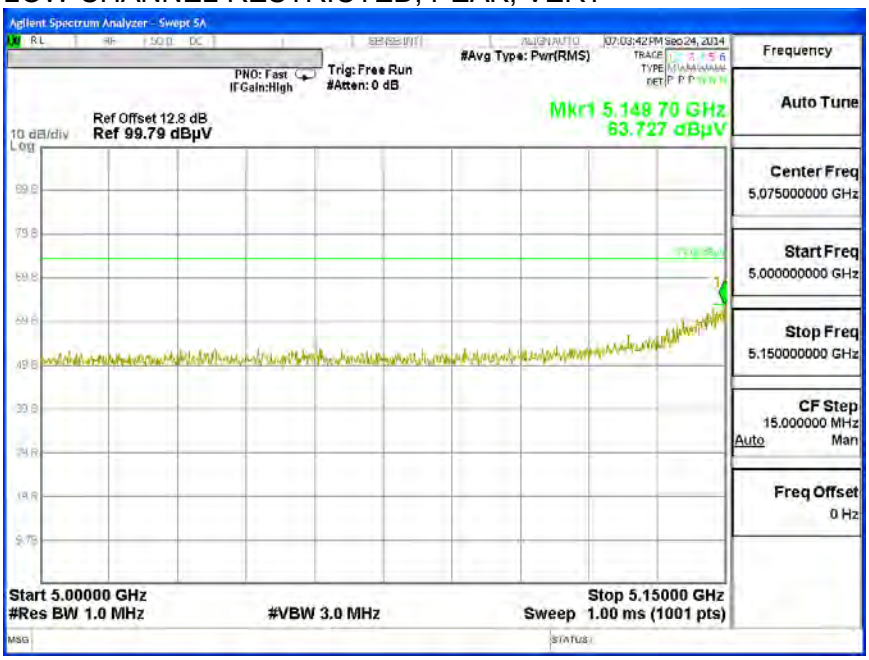
LOW CHANNEL RESTRICTED, PEAK, HORIZ



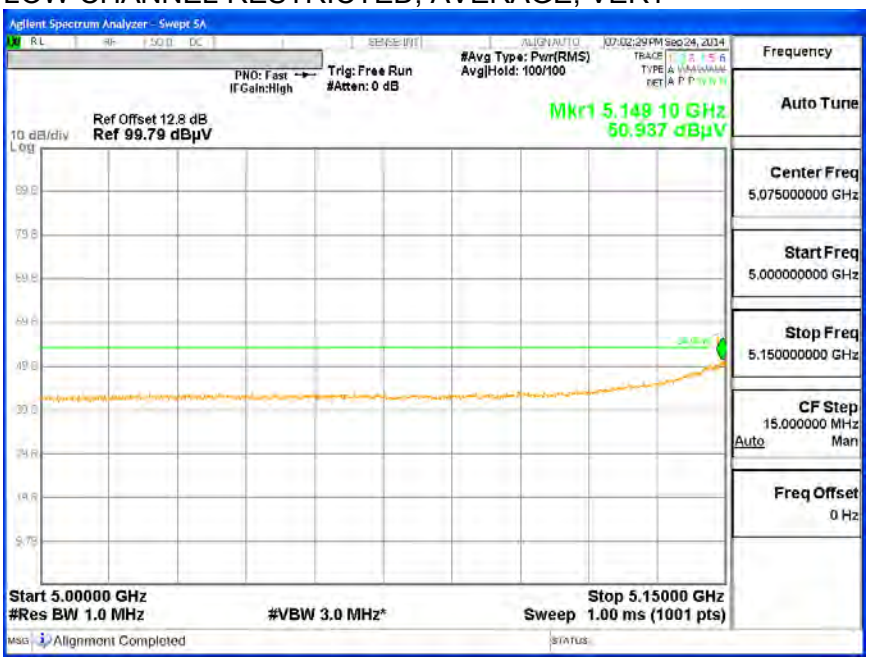
LOW CHANNEL RESTRICTED, AVERAGE, HORIZ



LOW CHANNEL RESTRICTED, PEAK, VERT

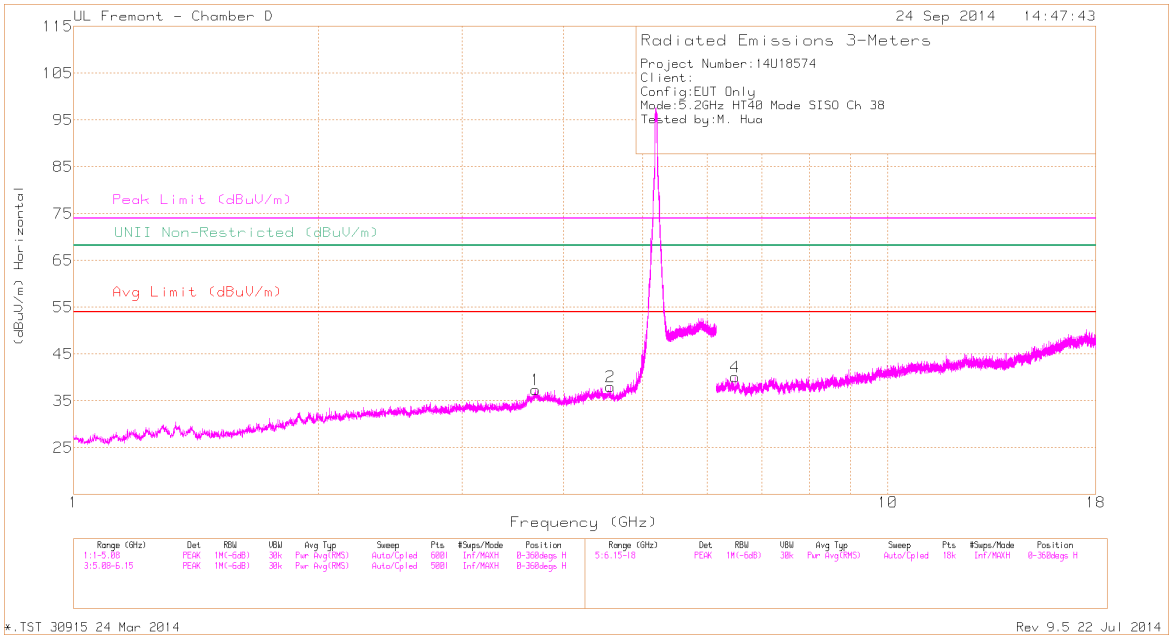


LOW CHANNEL RESTRICTED, AVERAGE, VERT

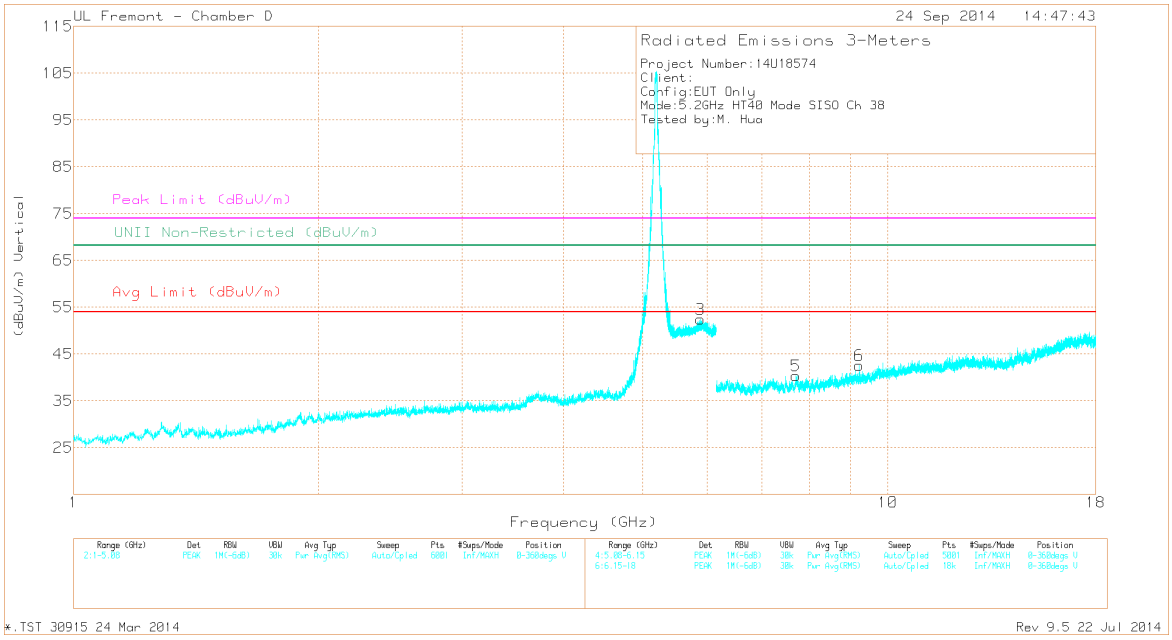


LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL PLOT



LOW CHANNEL VERTICAL PLOT



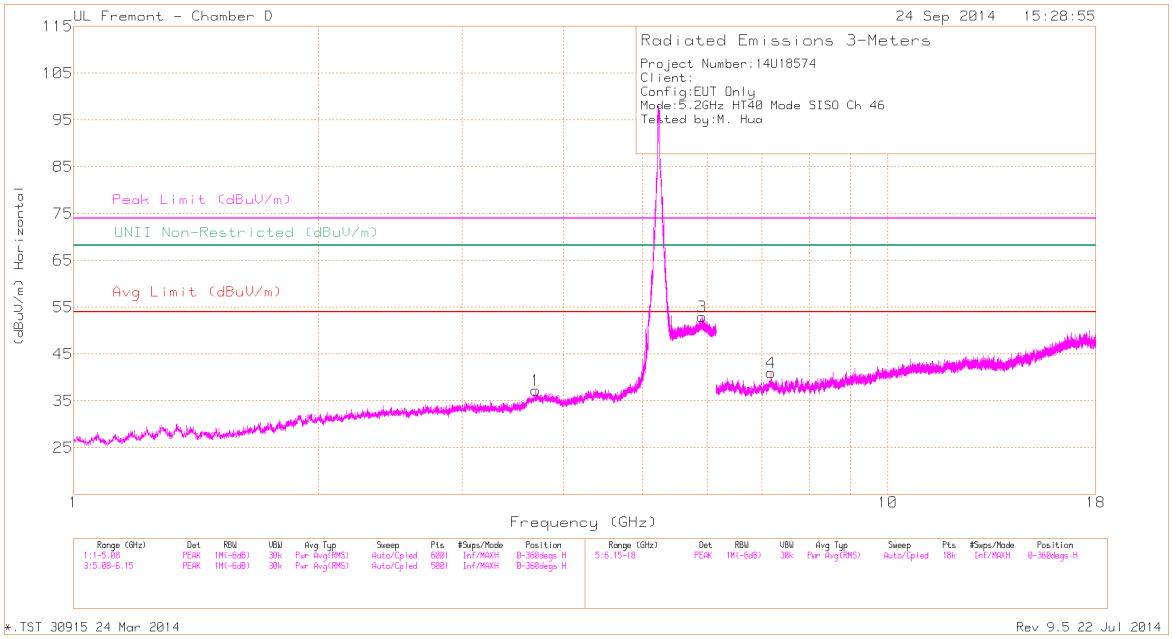
DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.689	38.74	PK1	33.2	-28.6	0	43.34	-	-	74	-30.66	-	-	302	177	H
	* 3.690	27.12	AD1	33.2	-28.6	0	31.72	54	-22.28	-	-	-	-	302	177	H
2	* 4.563	38.63	PK1	34.0	-27.9	0	44.73	-	-	74	-29.27	-	-	213	301	H
	* 4.561	27.29	AD1	34.0	-27.9	0	33.39	54	-20.61	-	-	-	-	213	301	H
3	5.882	41.86	PK1	35.1	-17.00	0	59.96	-	-	-	-	68.2	-8.24	148	108	V
4	6.492	36.70	PK1	35.6	-25.6	0	46.70	-	-	-	-	68.2	-21.50	360	315	H
5	* 7.704	35.85	PK1	35.8	-24.1	0	47.55	-	-	74	-26.45	-	-	237	349	V
	* 7.705	24.17	AD1	35.8	-24.1	0	35.87	54	-18.13	-	-	-	-	237	349	V
6	9.227	34.17	PK1	36.4	-22.1	0	48.47	-	-	-	-	68.2	-19.73	80	380	V

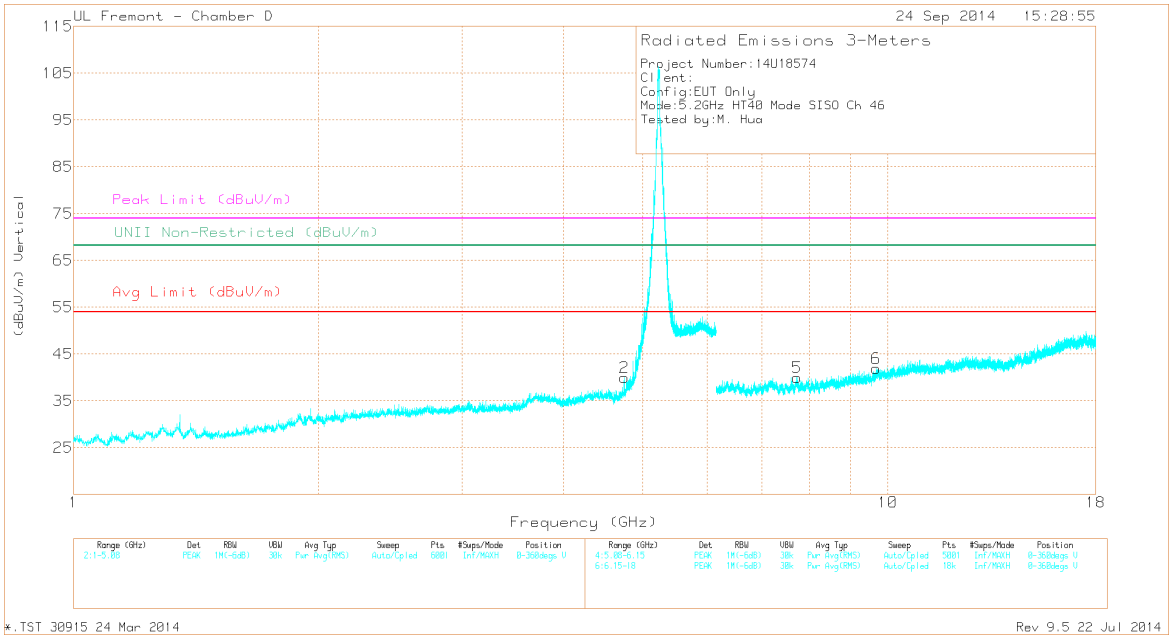
* - indicates frequency in CFR15.205/IC8.10 Restricted Band
PK1 - KDB789033 Method: Peak
AD1 - KDB789033 Method: AD Primary Power Average

HIGH CHANNEL HARMONICS AND SPURIOUS EMISSIONS

HIGH CHANNEL HORIZONTAL PLOT



HIGH CHANNEL VERTICAL PLOT



DATA

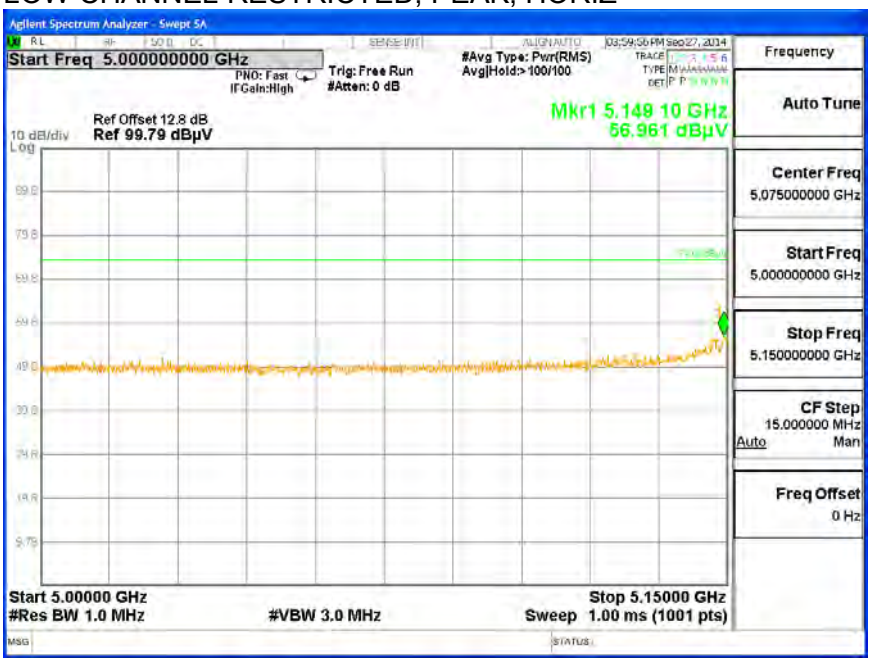
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.694	38.99	PK1	33.2	-28.6	0	43.59	-	-	74	-30.41	-	-	176	192	H
	* 3.694	27.09	AD1	33.2	-28.6	0	31.69	54	-22.31	-	-	-	-	176	192	H
2	* 4.748	40.50	PK1	34.1	-27.5	0	47.10	-	-	74	-26.90	-	-	225	180	V
	* 4.748	28.58	AD1	34.1	-27.5	0	35.18	54	-18.82	-	-	-	-	225	180	V
3	5.914	41.35	PK1	35.1	-17.0	0	59.45	-	-	-	-	68.2	-8.75	6	316	H
4	7.185	36.19	PK1	35.7	-24.0	0	47.89	-	-	-	-	68.2	-20.31	16	393	H
5	* 7.732	35.78	PK1	35.8	-24.3	0	47.28	-	-	74	-26.72	-	-	4	345	V
	* 7.732	24.26	AD1	35.8	-24.3	0	35.76	54	-18.24	-	-	-	-	4	345	V
6	9.671	33.94	PK1	36.8	-21.9	0	48.84	-	-	-	-	68.2	-19.36	348	193	V

* - indicates frequency in CFR15.205/IC8.10 Restricted Band
PK1 - KDB789033 Method: Peak
AD1 - KDB789033 Method: AD Primary Power Average

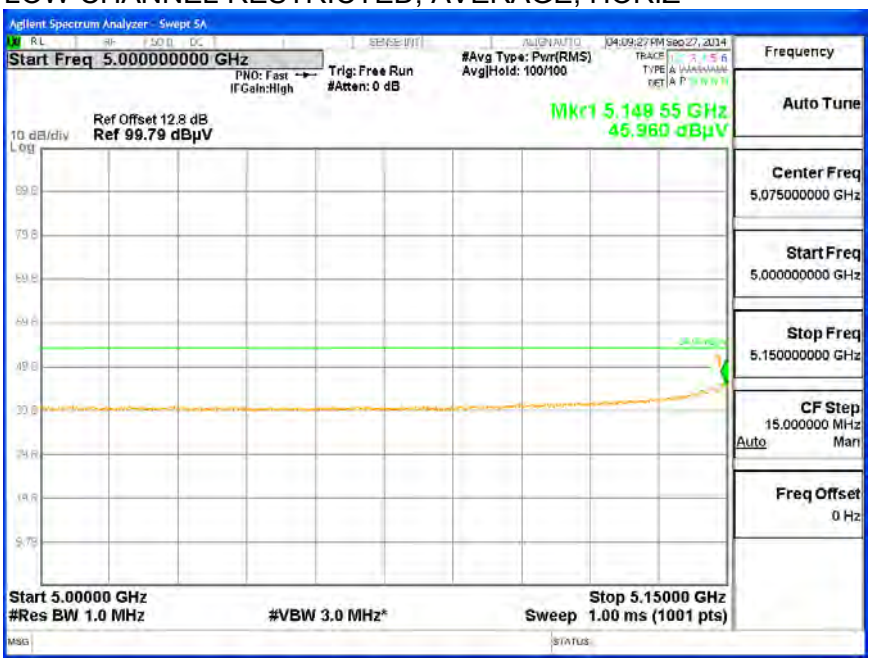
10.6. TX ABOVE 1 GHz 802.11n HT40 2TX CDD MODE IN THE 5.2 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

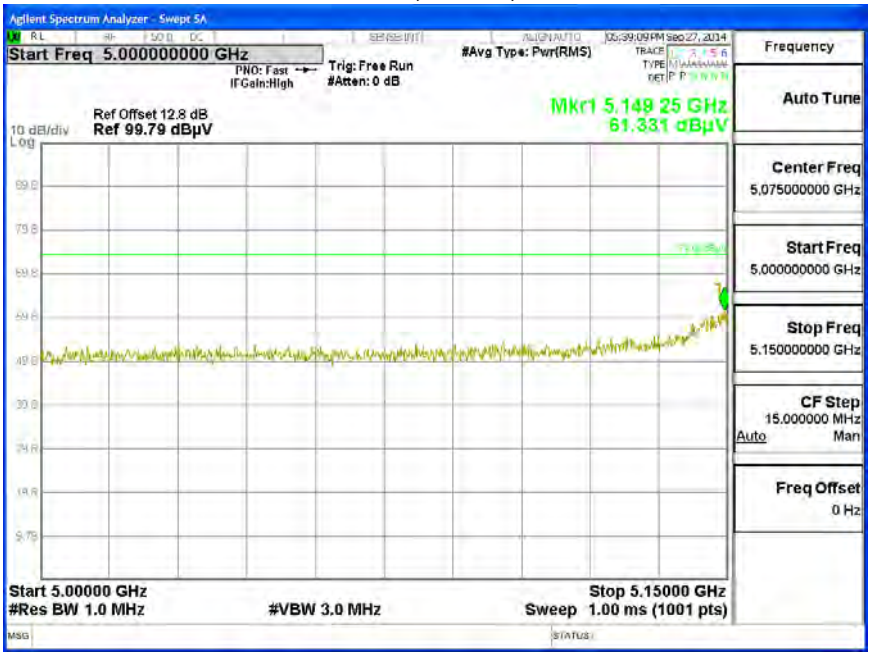
LOW CHANNEL RESTRICTED, PEAK, HORIZ



LOW CHANNEL RESTRICTED, AVERAGE, HORIZ



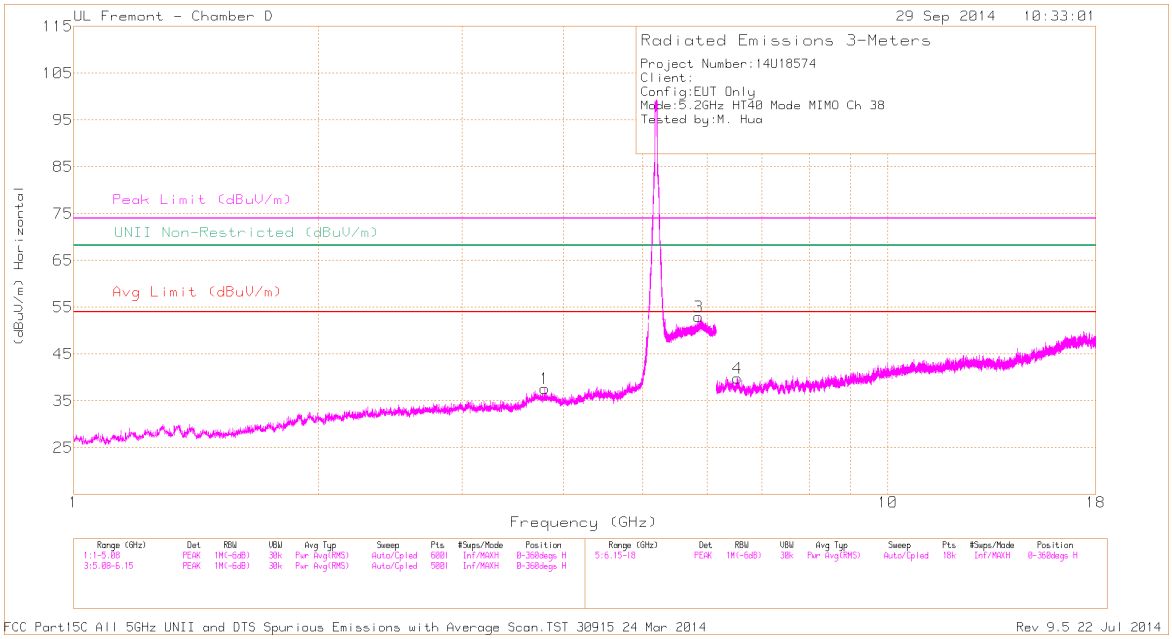
LOW CHANNEL RESTRICTED, PEAK, VERT



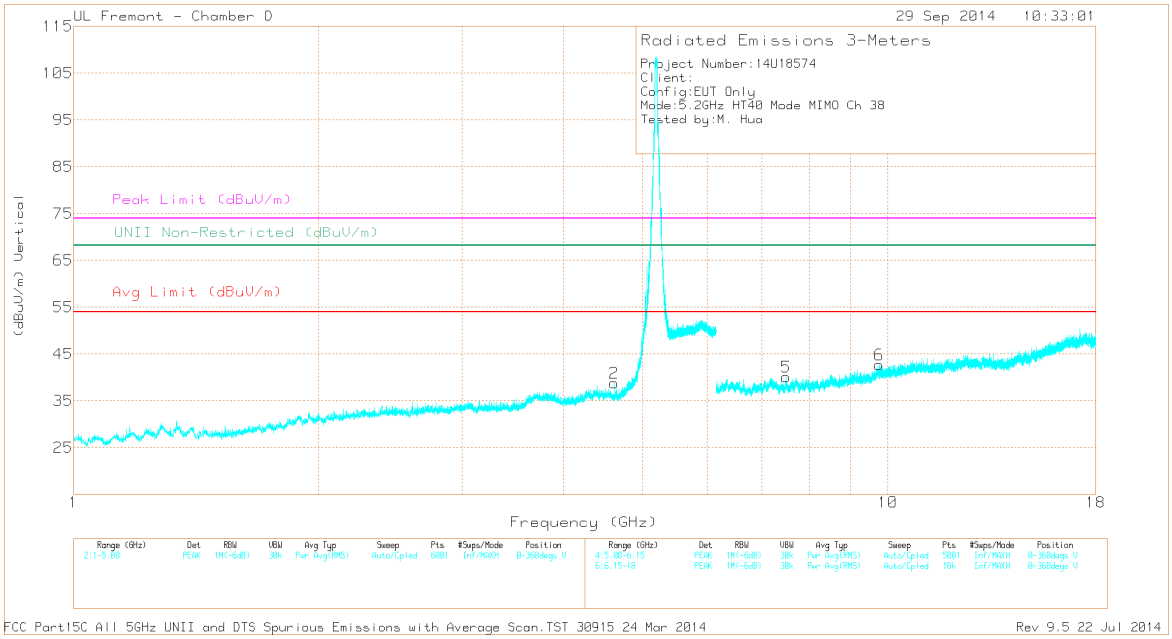
LOW CHANNEL RESTRICTED, AVERAGE, VERT

LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL PLOT



LOW CHANNEL VERTICAL PLOT



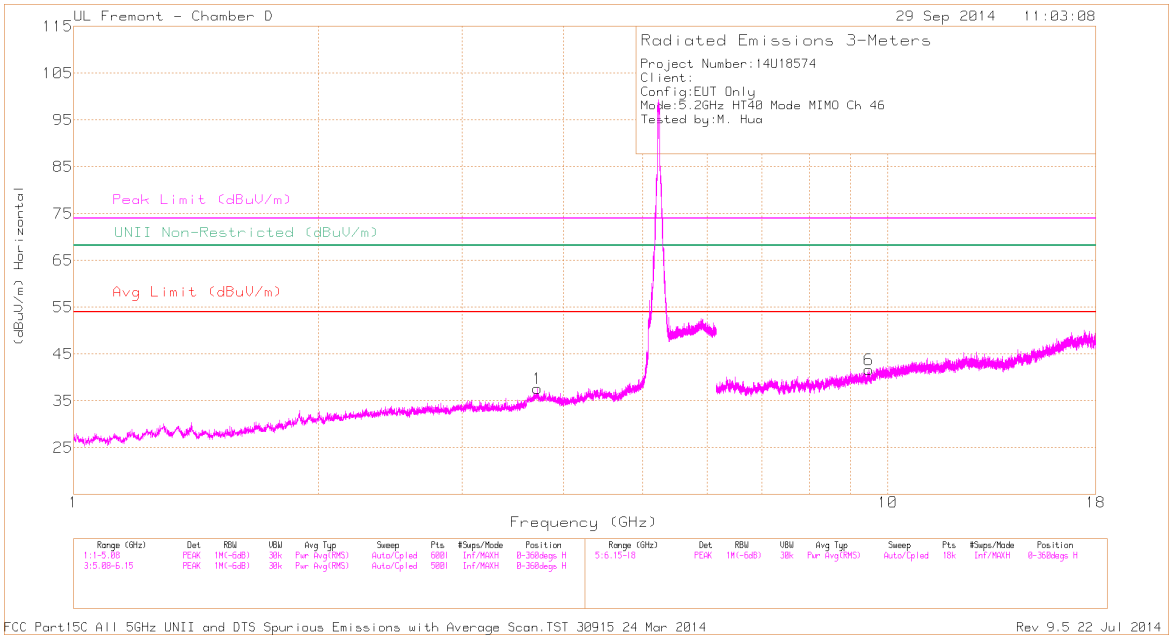
DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl /Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.791	39.14	PK1	33.4	-28.9	0	43.64	-	-	74	-30.36	-	-	360	100	H
	* 3.794	27.86	AD1	33.4	-28.9	0	32.36	54	-21.64	-	-	-	-	360	100	H
2	* 4.613	37.65	PK1	34.1	-27.2	0	44.55	-	-	74	-29.45	-	-	360	100	V
3	5.852	37.72	PK1	35.0	-17.4	0	55.32	-	-	-	-	68.2	-12.88	96	348	H
4	6.540	35.96	PK1	35.6	-25.2	0	46.36	-	-	-	-	68.2	-21.84	96	348	H
	* 4.613	26.80	AD1	34.1	-27.2	0	33.70	54	-20.30	-	-	-	-	360	100	V
5	* 7.496	36.41	PK1	35.6	-24.9	0	47.11	-	-	74	-26.89	-	-	360	100	V
	* 7.496	25.24	AD1	35.6	-24.9	0	35.94	54	-18.06	-	-	-	-	360	100	V
6	9.753	34.12	PK1	36.9	-21.6	0	49.42	-	-	-	-	68.2	-18.78	360	100	V

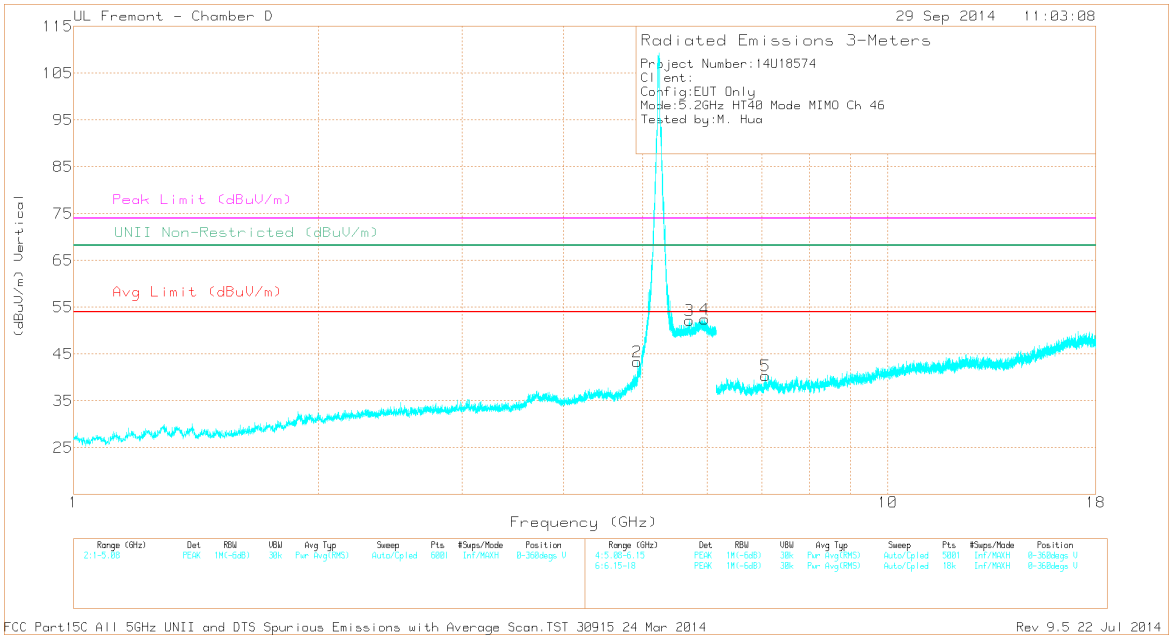
* - indicates frequency in CFR15.205/IC8.10 Restricted Band
PK1 - KDB789033 Method: Peak
AD1 - KDB789033 Method: AD Primary Power Average

HIGH CHANNEL HARMONICS AND SPURIOUS EMISSIONS

HIGH CHANNEL HORIZONTAL PLOT



HIGH CHANNEL VERTICAL PLOT



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl /Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.711	38.67	PK1	33.2	-28.4	0	43.47	-	-	74	-30.53	-	-	0	100	H
	* 3.713	27.31	AD1	33.2	-28.5	0	32.01	54	-21.99	-	-	-	-	0	100	H
2	* 4.917	37.75	PK1	34.2	-26.3	0	45.65	-	-	74	-28.35	-	-	0	100	V
	* 4.920	26.53	AD1	34.2	-26.3	0	34.43	54	-19.57	-	-	-	-	0	100	V
3	5.708	38.02	PK1	34.7	-17.4	0	55.32	-	-	-	-	68.2	-12.88	133	113	V
4	5.953	37.35	PK1	35.2	-17.1	0	55.45	-	-	-	-	68.2	-12.75	133	113	V
5	7.075	37.23	PK1	35.6	-25.6	0	47.23	-	-	-	-	68.2	-20.97	0	100	V
6	* 9.473	33.74	PK1	36.6	-22.1	0	48.24	-	-	74	-25.76	-	-	0	100	H
	* 9.476	23.24	AD1	36.6	-22.1	0	37.74	54	-16.26	-	-	-	-	0	100	H

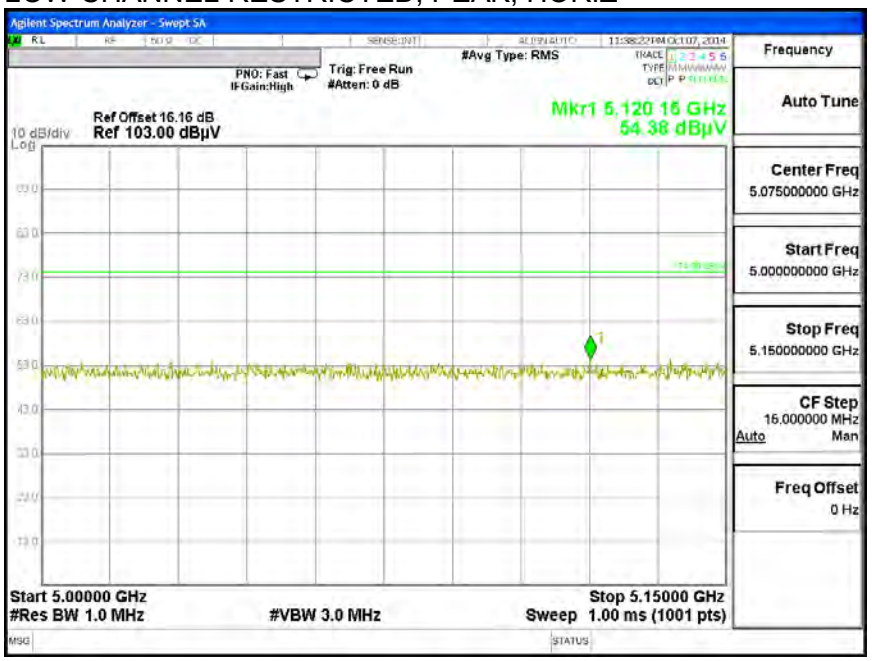
* - indicates frequency in CFR15.205/IC8.10 Restricted Band
PK1 - KDB789033 Method: Peak
AD1 - KDB789033 Method: AD Primary Power Average

10.7. TX ABOVE 1 GHz 802.11n HT40 2TX BF MODE IN THE 5.2 GHz BAND

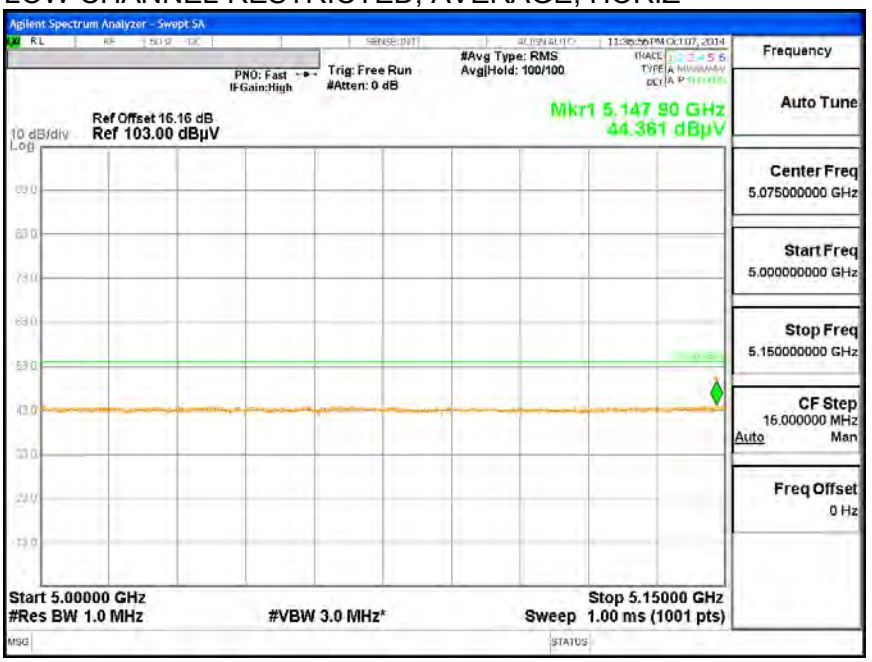
RESTRICTED BANDEDGE (LOW CHANNEL)

Note: Peak and Average BE plots include the duty cycle factor of 0.12dBm in this section.

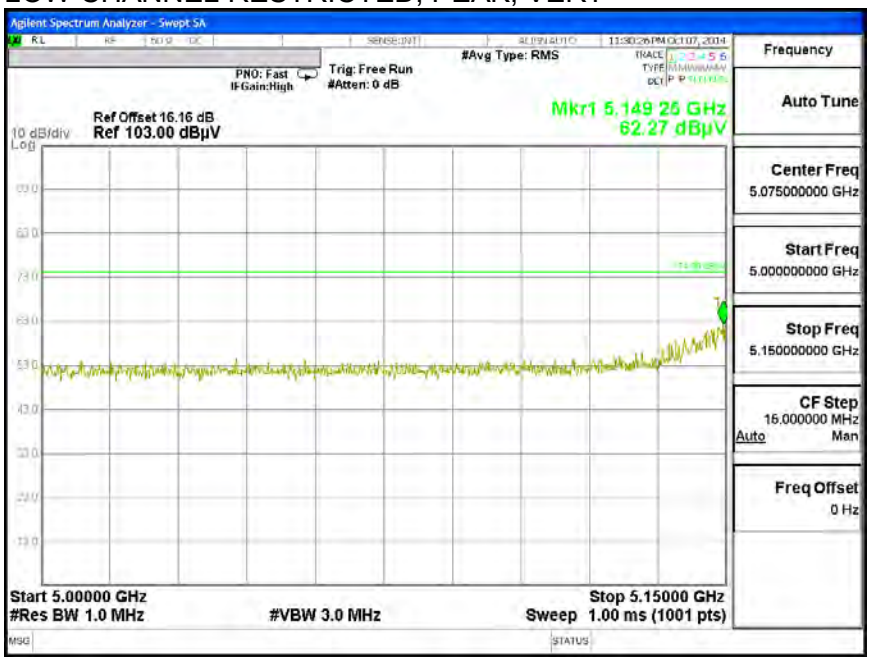
LOW CHANNEL RESTRICTED, PEAK, HORIZ



LOW CHANNEL RESTRICTED, AVERAGE, HORIZ



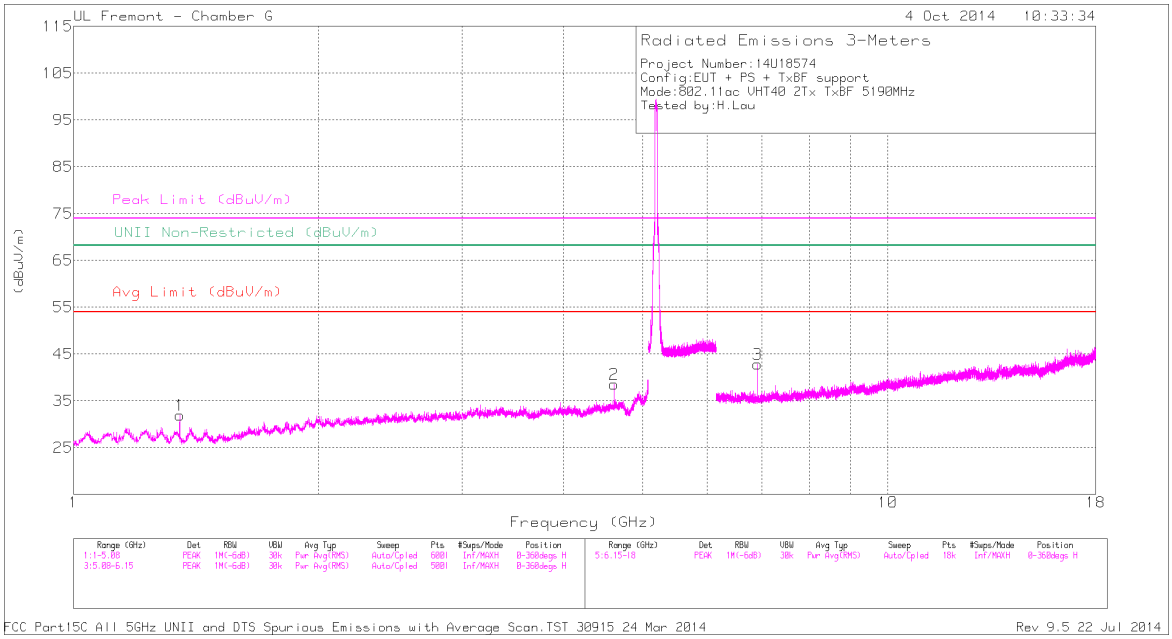
LOW CHANNEL RESTRICTED, PEAK, VERT



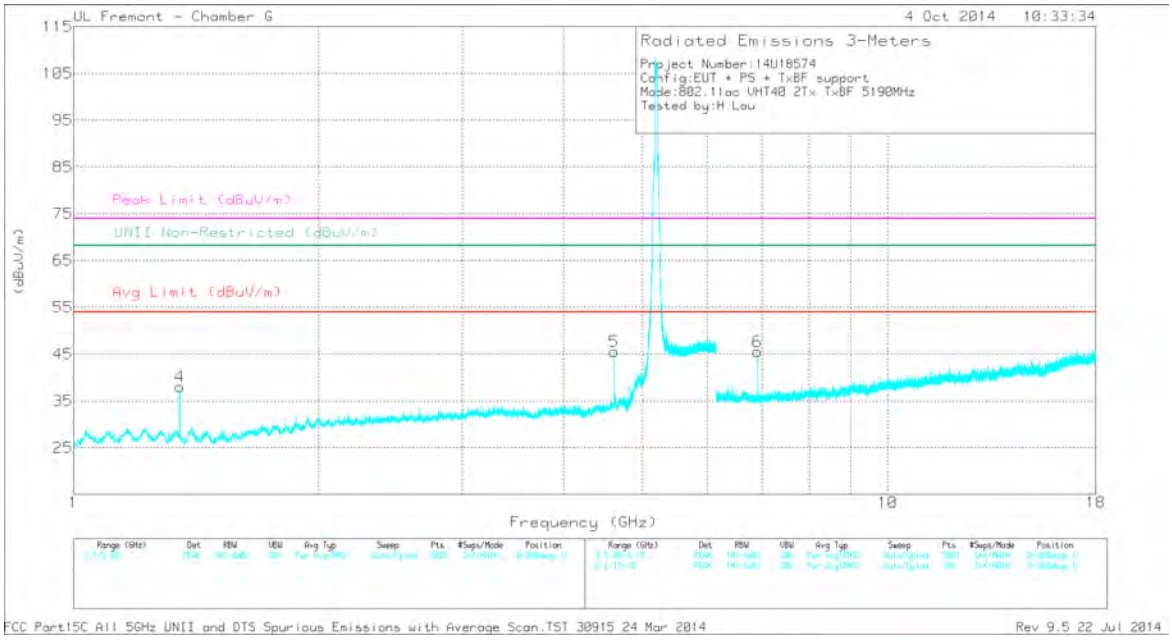
LOW CHANNEL RESTRICTED, AVERAGE, VERT

LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL PLOT



LOW CHANNEL VERTICAL PLOT



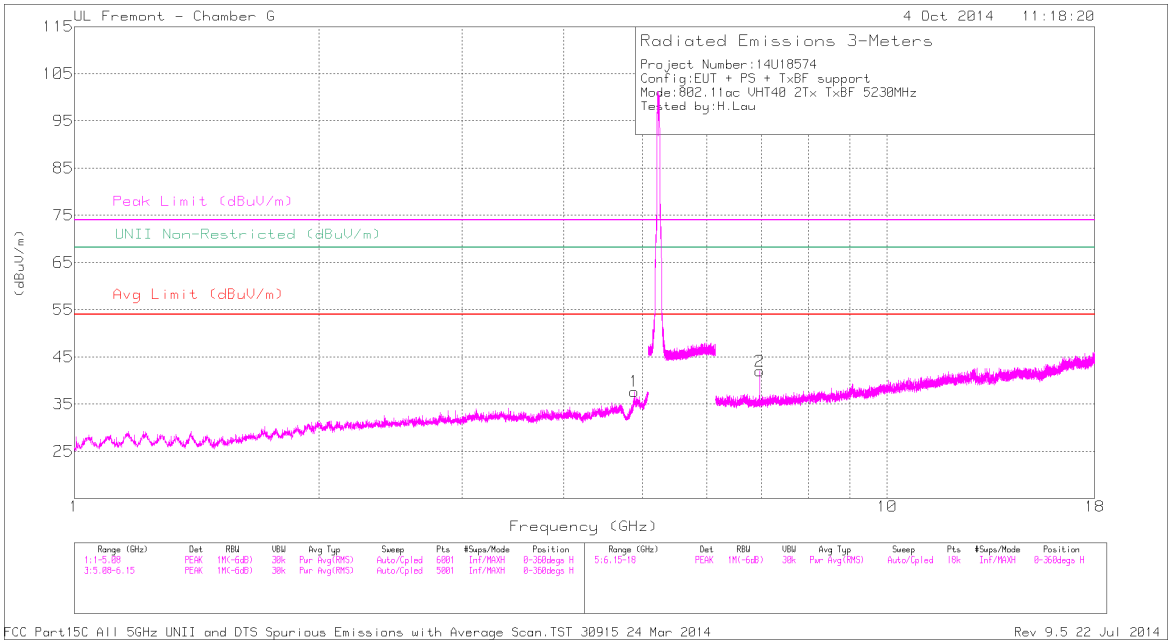
DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl /Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.350	47.39	PK1	28.7	-35.6	0	40.49	-	-	74	-33.51	-	-	272	255	H
	* 1.350	31.55	AD1	28.7	-35.6	0.12	24.77	54	-29.23	-	-	-	-	272	255	H
2	* 4.613	47.09	PK1	33.9	-32.6	0	48.39	-	-	74	-25.61	-	-	139	353	H
	* 4.613	41.11	AD1	33.9	-32.6	0.12	42.53	54	-11.47	-	-	-	-	139	353	H
3	6.920	46.61	PK1	35.6	-31.9	0	50.31	-	-	-	-	68.2	-17.89	280	280	H
4	* 1.350	48.43	PK1	28.7	-35.6	0	41.53	-	-	74	-32.47	-	-	319	199	V
	* 1.350	31.72	AD1	28.7	-35.6	0.12	24.70	54	-29.30	-	-	-	-	319	199	V
5	* 4.613	48.56	PK1	33.9	-32.6	0	49.86	-	-	74	-24.14	-	-	172	226	V
	* 4.613	43.96	AD1	33.9	-32.6	0.12	45.38	54	-8.62	-	-	-	-	172	226	V
6	6.920	46.78	PK1	35.6	-31.9	0	50.48	-	-	-	-	68.2	-17.72	198	193	V

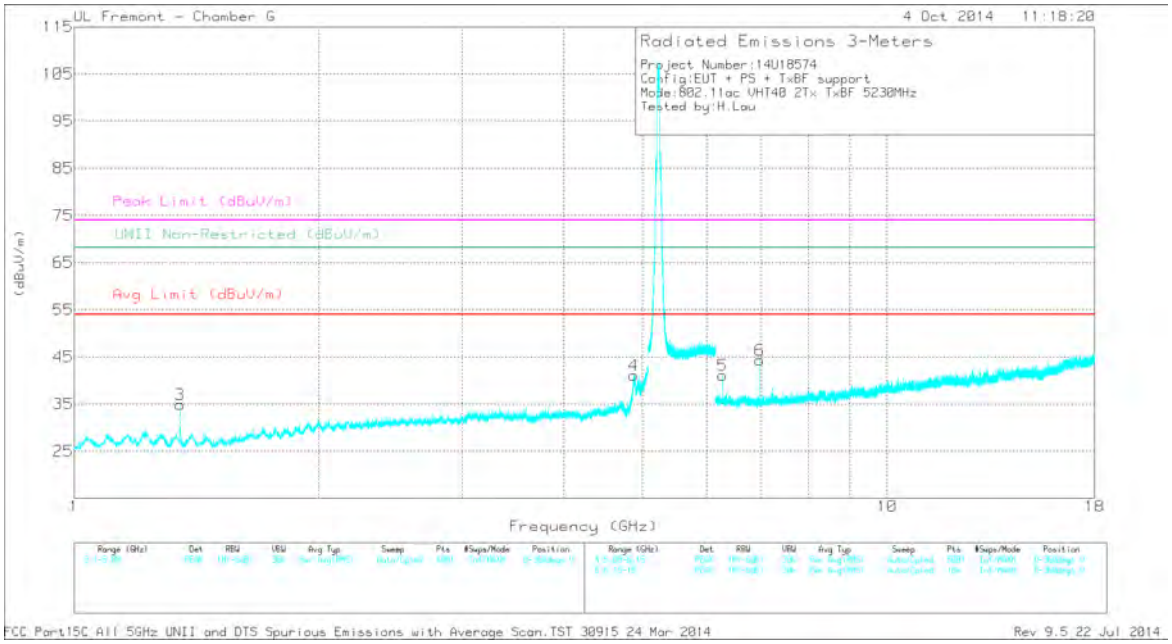
* - indicates frequency in CFR15.205/IC8.10 Restricted Band
PK1 - KDB789033 Method: Peak
AD1 - KDB789033 Method: AD Primary Power Average

HIGH CHANNEL HARMONICS AND SPURIOUS EMISSIONS

HIGH CHANNEL HORIZONTAL PLOT



HIGH CHANNEL VERTICAL PLOT



DATA

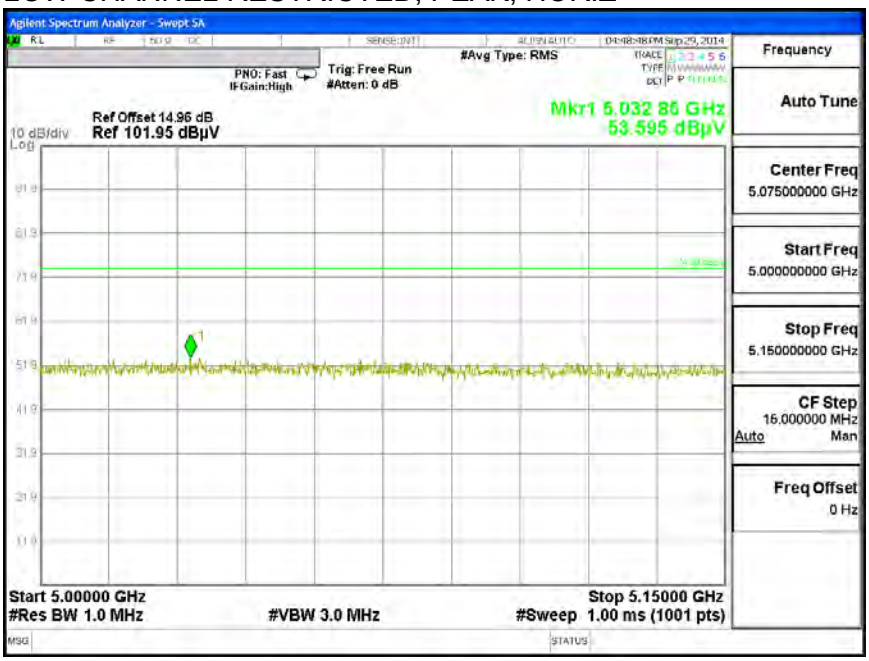
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl /Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.881	43.41	PK1	34.1	-32.1	0	45.41	-	-	74	-28.59	-	-	164	260	H
	* 4.881	32.67	AD1	34.1	-32.1	0.12	34.79	54	-19.21	-	-	-	-	164	260	H
2	6.973	44.61	PK1	35.6	-31.7	0	48.51	-	-	-	-	68.2	-19.69	278	277	H
3	* 1.350	45.63	PK1	28.7	-35.6	0	38.73	-	-	74	-35.27	-	-	360	294	V
	* 1.350	31.07	AD1	28.7	-35.6	0.12	24.29	54	-29.71	-	-	-	-	360	294	V
4	* 4.882	47.56	PK1	34.1	-32.1	0	49.56	-	-	74	-24.44	-	-	168	206	V
	* 4.881	38.73	AD1	34.1	-32.1	0.12	40.85	54	-13.15	-	-	-	-	168	206	V
5	6.276	43.44	PK1	35.7	-31.8	0	47.34	-	-	-	-	68.2	-20.86	177	188	V
6	6.973	45.25	PK1	35.6	-31.7	0	49.15	-	-	-	-	68.2	-19.05	198	189	V

* - indicates frequency in CFR15.205/IC8.10 Restricted Band
PK1 - KDB789033 Method: Peak
AD1 - KDB789033 Method: AD Primary Power Average

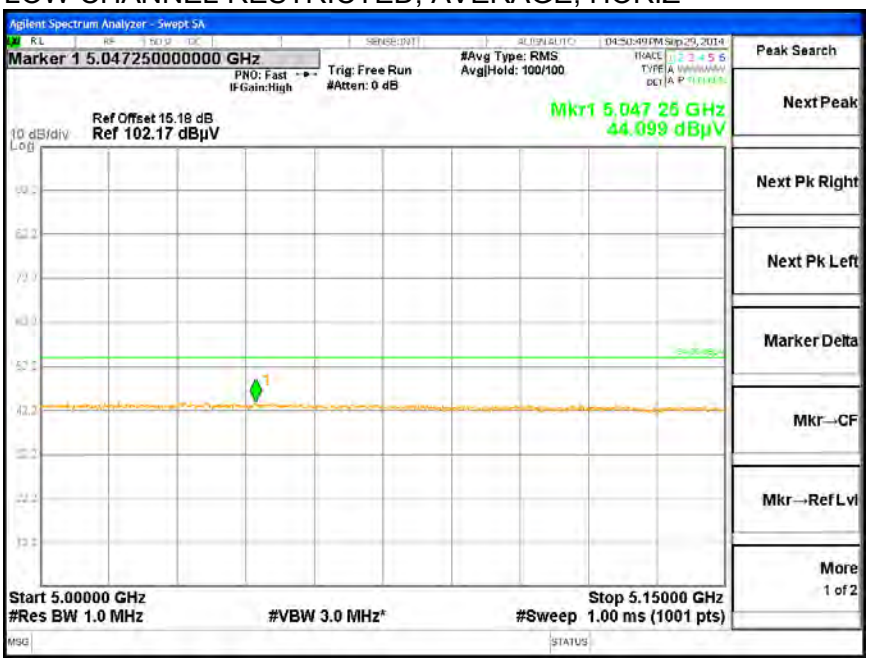
10.8. TX ABOVE 1 GHz 802.11ac VHT80 1TX MODE IN THE 5.2 GHz BAND

RESTRICTED BANDEDGE (CH 42)

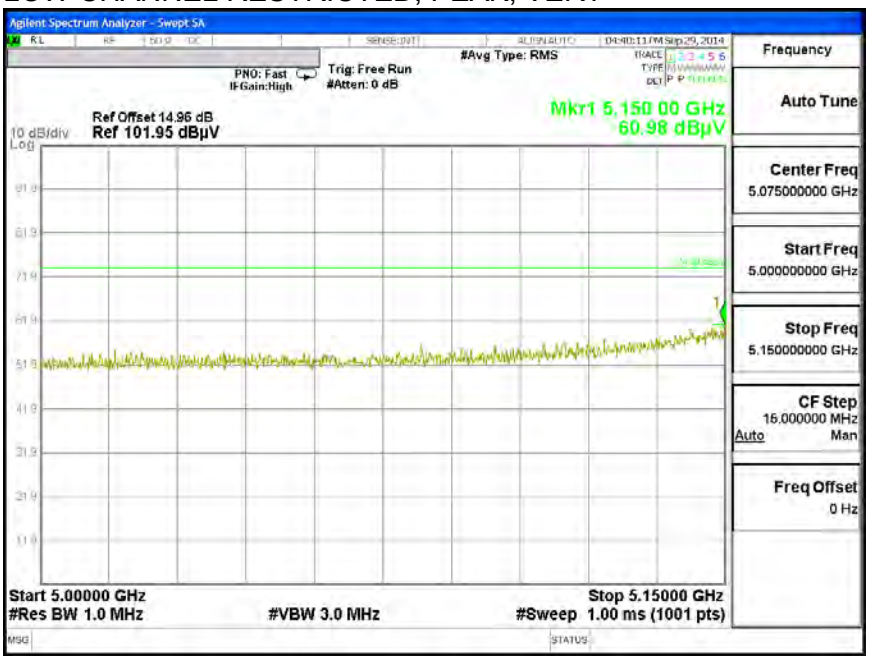
LOW CHANNEL RESTRICTED, PEAK, HORIZ



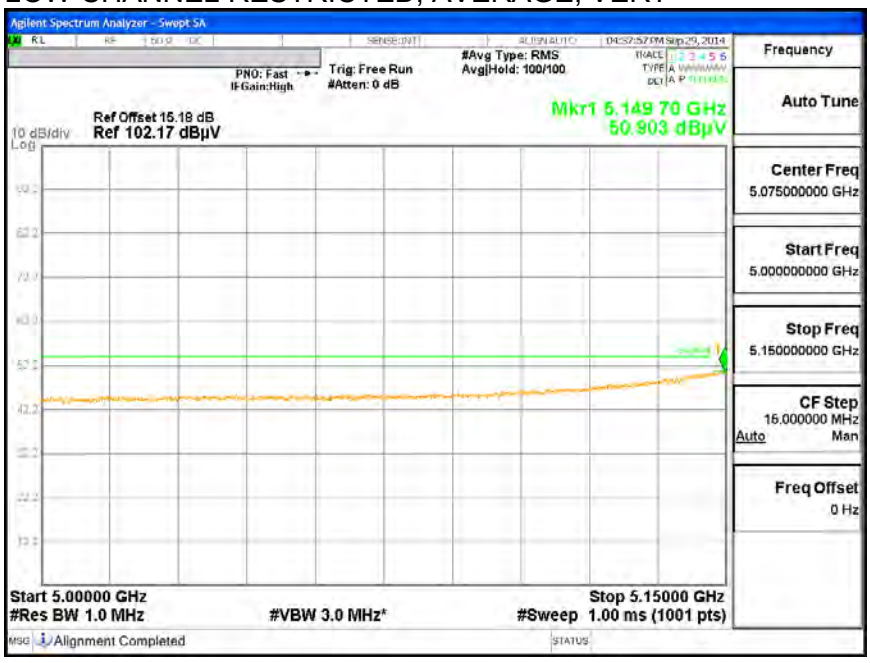
LOW CHANNEL RESTRICTED, AVERAGE, HORIZ



LOW CHANNEL RESTRICTED, PEAK, VERT

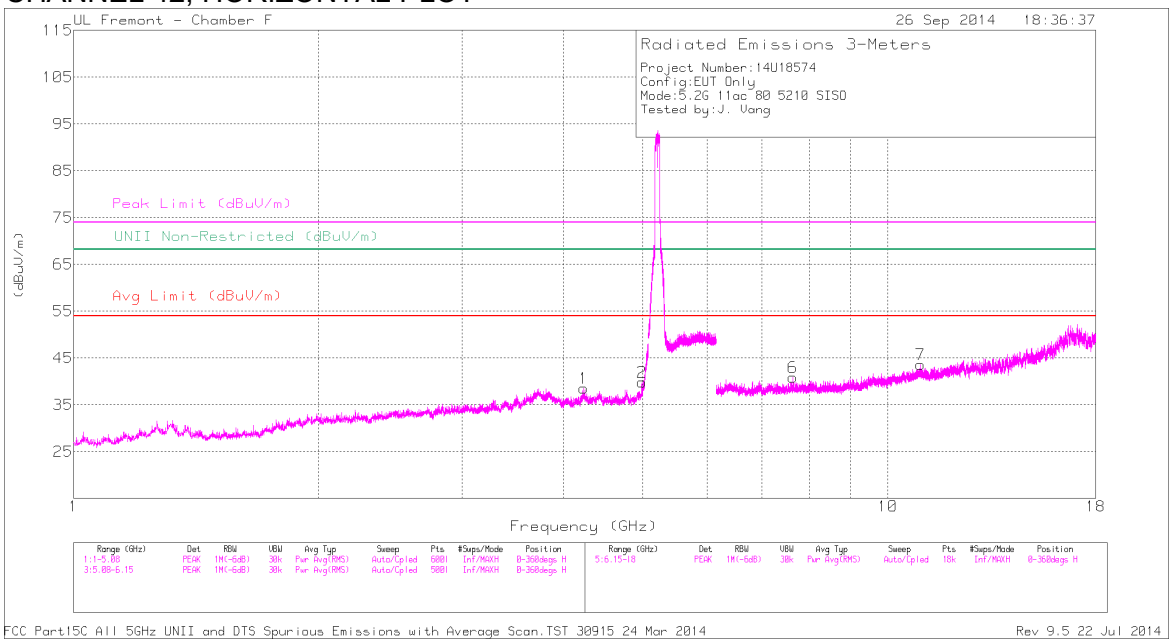


LOW CHANNEL RESTRICTED, AVERAGE, VERT

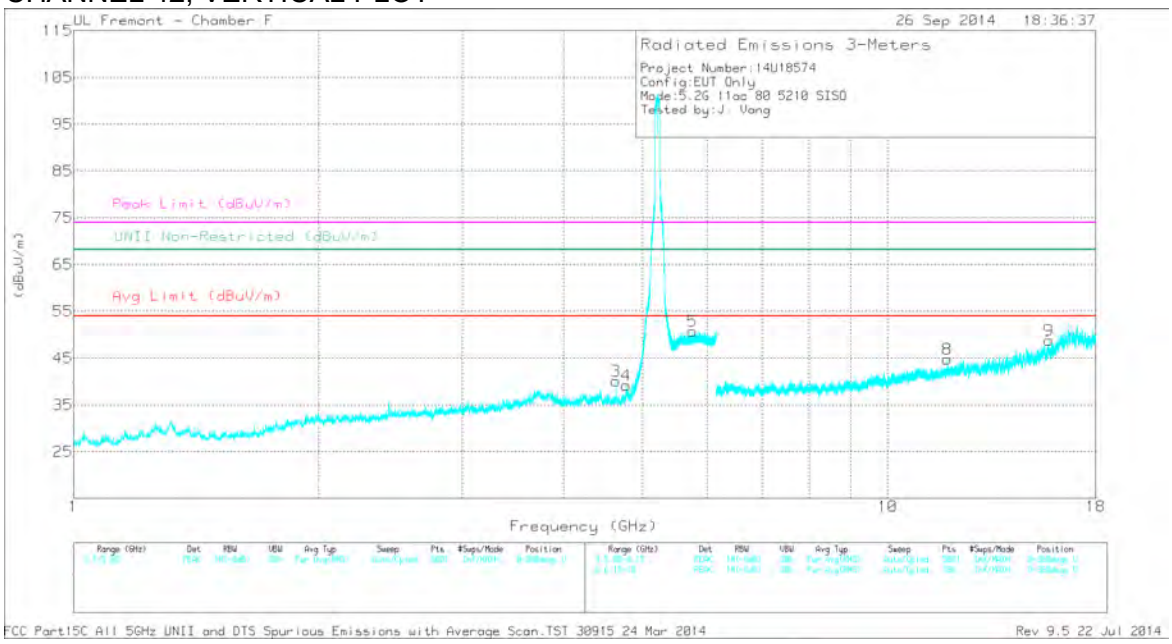


CHANNEL 42, HARMONICS AND SPURIOUS EMISSIONS

CHANNEL 42, HORIZONTAL PLOT



CHANNEL 42, VERTICAL PLOT



DATA

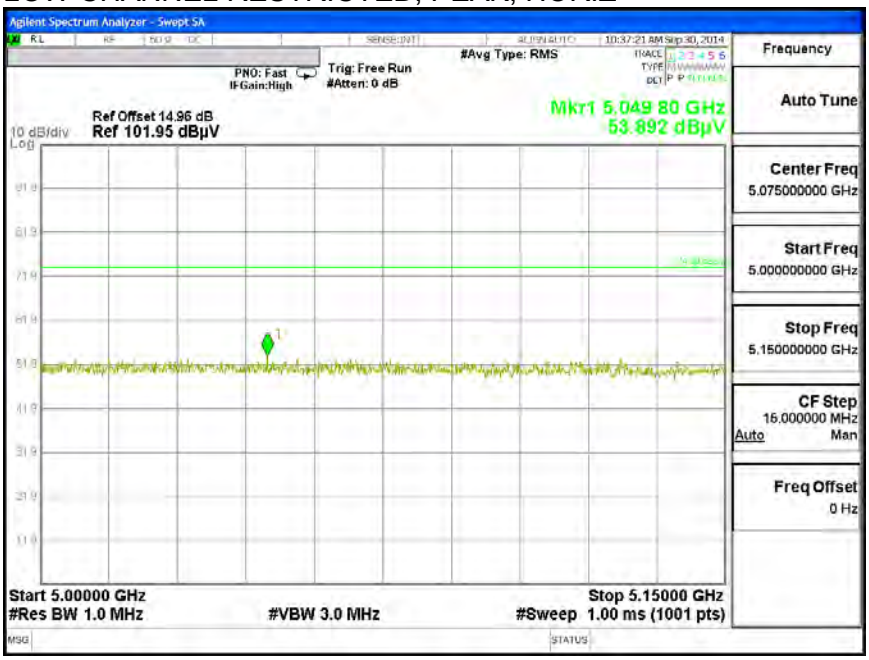
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl /Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.228	38.06	PK1	33.6	-27.1	0	44.56	-	-	74	-29.44	-	-	4	375	H
	* 4.229	25.64	AD1	33.6	-27.0	.22	32.46	54	-21.54	-	-	-	-	4	375	H
2	* 4.992	43.31	PK1	34.2	-27.0	0	50.51	-	-	74	-23.49	-	-	233	374	H
	* 4.994	29.55	AD1	34.2	-27.0	.22	36.97	54	-17.03	-	-	-	-	233	374	H
3	* 4.631	39.02	PK1	34.1	-27.2	0	45.92	-	-	74	-28.08	-	-	212	252	V
	* 4.631	29.40	AD1	34.1	-27.2	.22	36.52	54	-17.48	-	-	-	-	212	252	V
4	* 4.769	39.04	PK1	34.1	-27.3	0	45.84	-	-	74	-28.16	-	-	223	166	V
	* 4.772	27.77	AD1	34.1	-27.3	.22	34.79	54	-19.21	-	-	-	-	223	166	V
5	5.756	41.75	PK1	34.9	-18.8	0	57.85	-	-	-	-	68.2	-10.35	6	317	V
6	* 7.648	37.42	PK1	35.6	-25.6	0	47.42	-	-	74	-26.58	-	-	235	246	H
	* 7.651	25.53	AD1	35.6	-25.7	.22	35.65	54	-18.35	-	-	-	-	235	246	H
7	* 10.974	34.26	PK1	38.1	-22.3	0	50.06	-	-	74	-23.94	-	-	7	253	H
	* 10.977	22.81	AD1	38.1	-22.4	.22	38.73	54	-15.27	-	-	-	-	7	253	H
8	* 11.839	34.82	PK1	38.8	-22.7	0	50.92	-	-	74	-23.08	-	-	127	150	V
	* 11.838	23.25	AD1	38.8	-22.7	.22	39.57	54	-14.43	-	-	-	-	127	150	V
9	* 15.767	34.79	PK1	40.4	-20.3	0	54.89	-	-	74	-19.11	-	-	280	326	V
	* 15.770	24.06	AD1	40.4	-20.3	.22	44.38	54	-9.62	-	-	-	-	280	326	V

* - indicates frequency in CFR15.205/IC8.10 Restricted Band
PK1 - KDB789033 Method: Peak
AD1 - KDB789033 Method: AD Primary Power Average

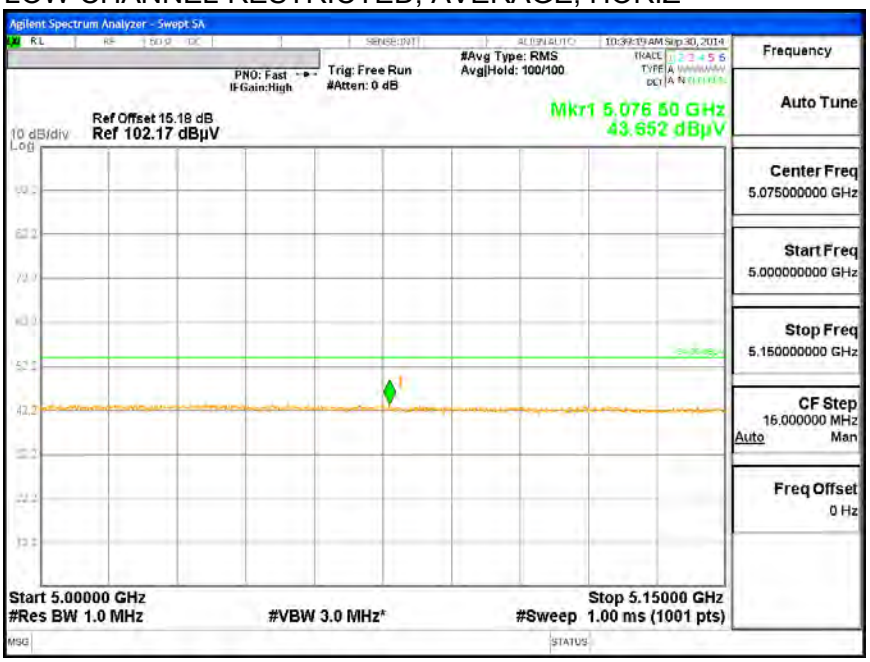
10.9. TX ABOVE 1 GHz 802.11ac VHT80 2TX CDD MODE IN THE 5.2 GHz BAND

RESTRICTED BANDEDGE (CH 42)

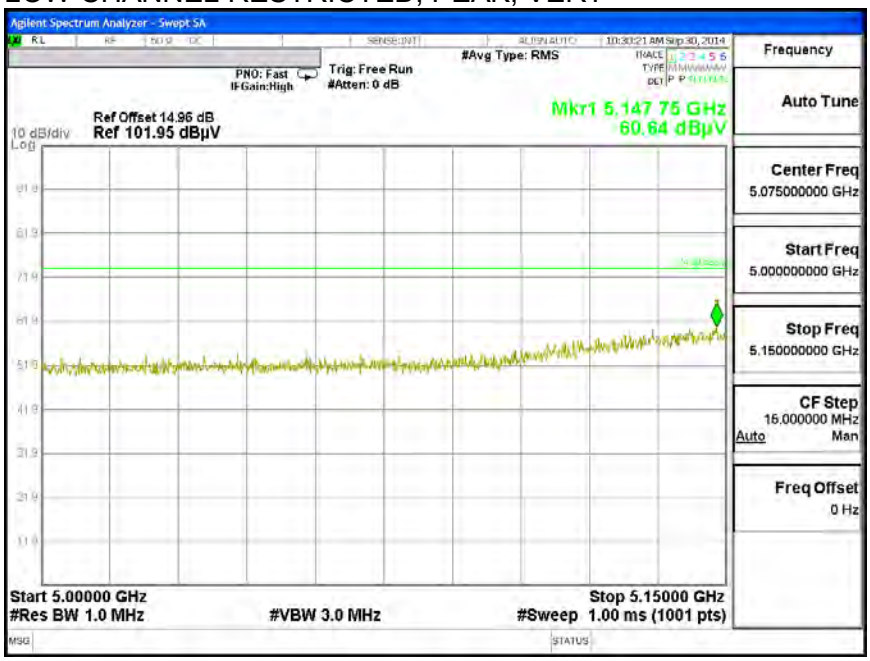
LOW CHANNEL RESTRICTED, PEAK, HORIZ



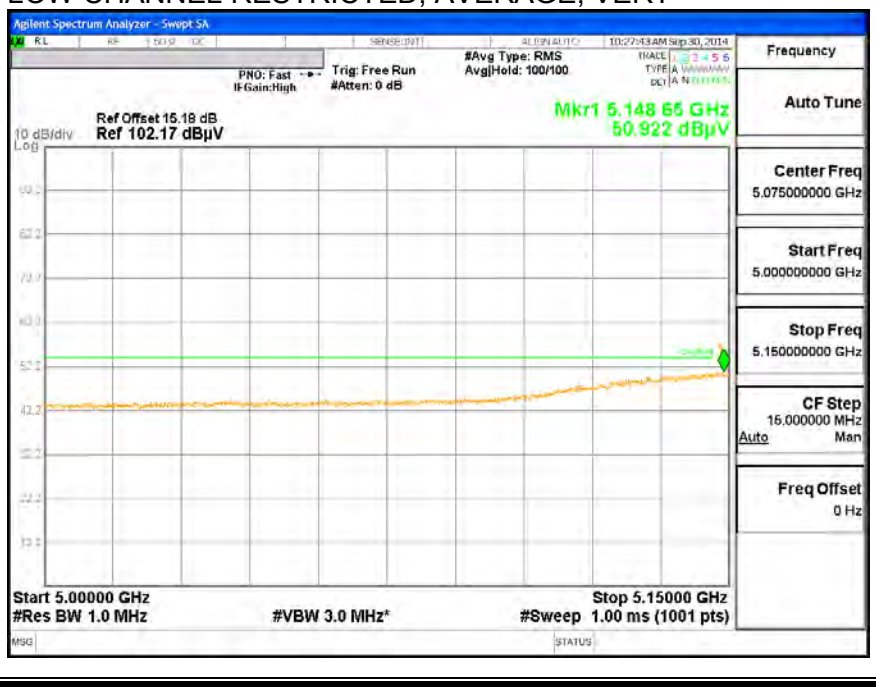
LOW CHANNEL RESTRICTED, AVERAGE, HORIZ



LOW CHANNEL RESTRICTED, PEAK, VERT

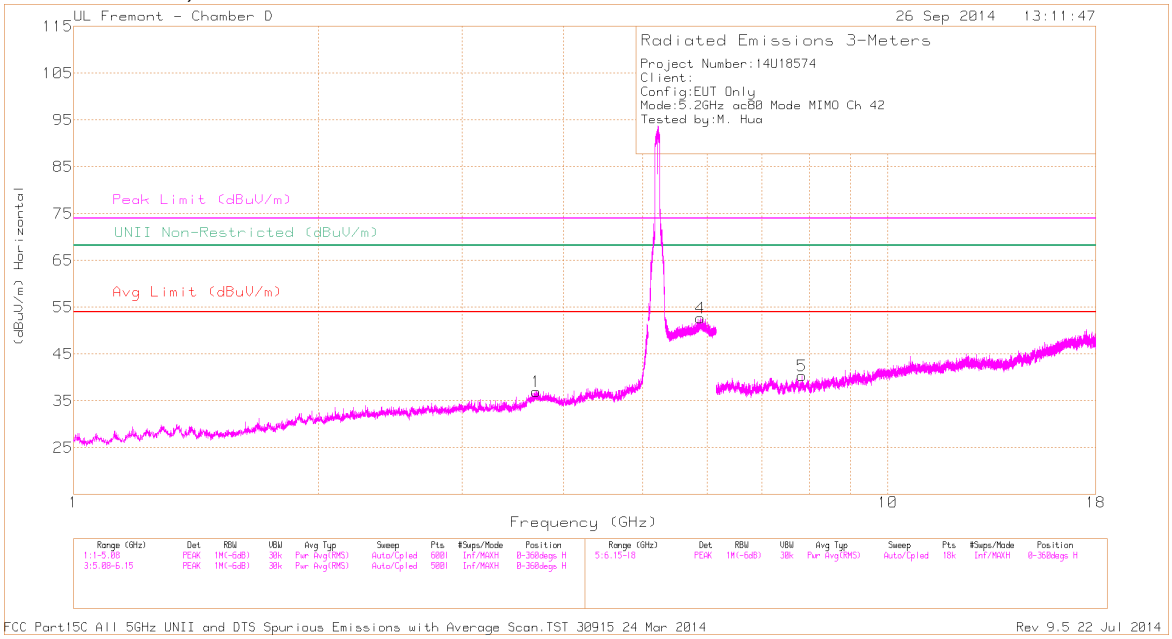


LOW CHANNEL RESTRICTED, AVERAGE, VERT

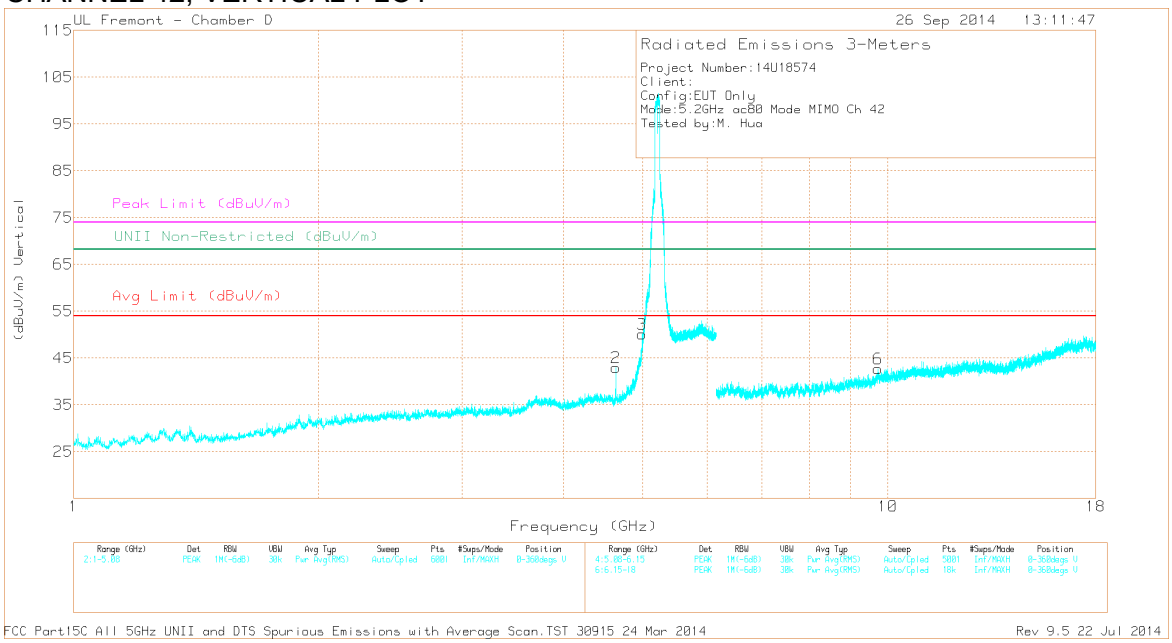


CHANNEL 42, HARMONICS AND SPURIOUS EMISSIONS

CHANNEL 42, HORIZONTAL PLOT



CHANNEL 42, VERTICAL PLOT



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl /Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.698	38.44	PK1	33.2	-28.5	0	43.14	-	-	74	-30.86	-	-	2	100	H
	* 3.697	27.38	AD1	33.2	-28.5	.22	32.30	54	-21.70	-	-	-	-	2	100	H
2	* 4.631	41.28	PK1	34.1	-26.8	0	48.58	-	-	74	-25.42	-	-	52	244	V
	* 4.631	34.60	AD1	34.1	-26.8	.22	42.12	54	-11.88	-	-	-	-	52	244	V
3	* 4.991	51.97	PK1	34.2	-26.1	0	60.07	-	-	74	-13.93	-	-	62	196	V
	* 4.993	37.33	AD1	34.2	-26.2	.22	45.55	54	-8.45	-	-	-	-	62	196	V
4	5.887	37.13	PK1	35.1	-16.9	0	55.33	-	-	-	-	68.2	-12.87	209	111	H
5	7.837	35.98	PK1	35.8	-24.8	0	46.98	-	-	-	-	68.2	-21.22	62	196	H
6	9.723	33.92	PK1	36.9	-21.4	0	49.42	-	-	-	-	68.2	-18.78	62	196	V

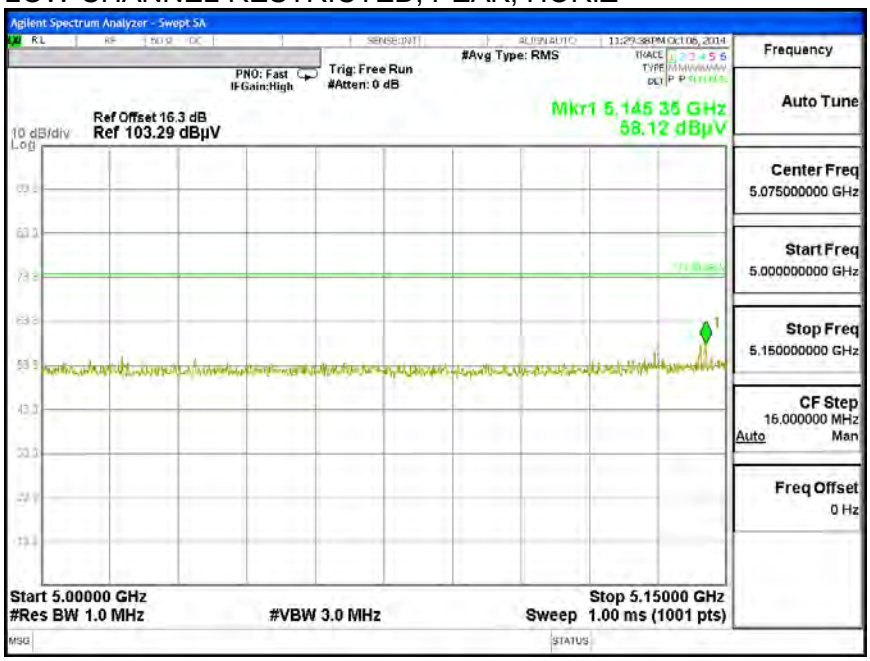
* - indicates frequency in CFR15.205/IC8.10 Restricted Band
PK1 - KDB789033 Method: Peak
AD1 - KDB789033 Method: AD Primary Power Average

10.10. TX ABOVE 1 GHz 802.11ac VHT80 2TX BF MODE IN THE 5.2 GHz BAND

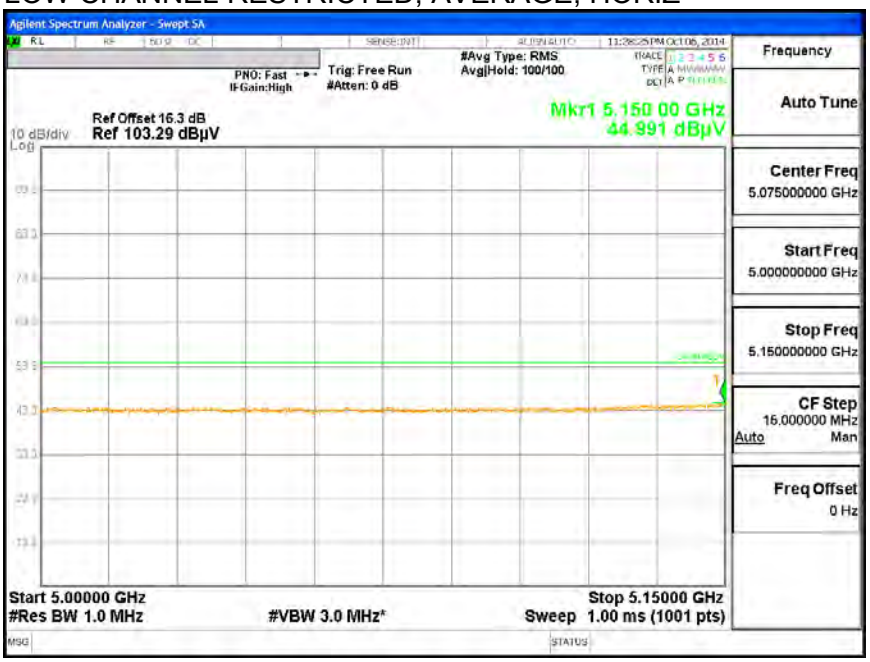
RESTRICTED BANDEDGE (CH 42)

Note: Peak and Average BE plots include the duty cycle factor of 0.26dBm in this section.

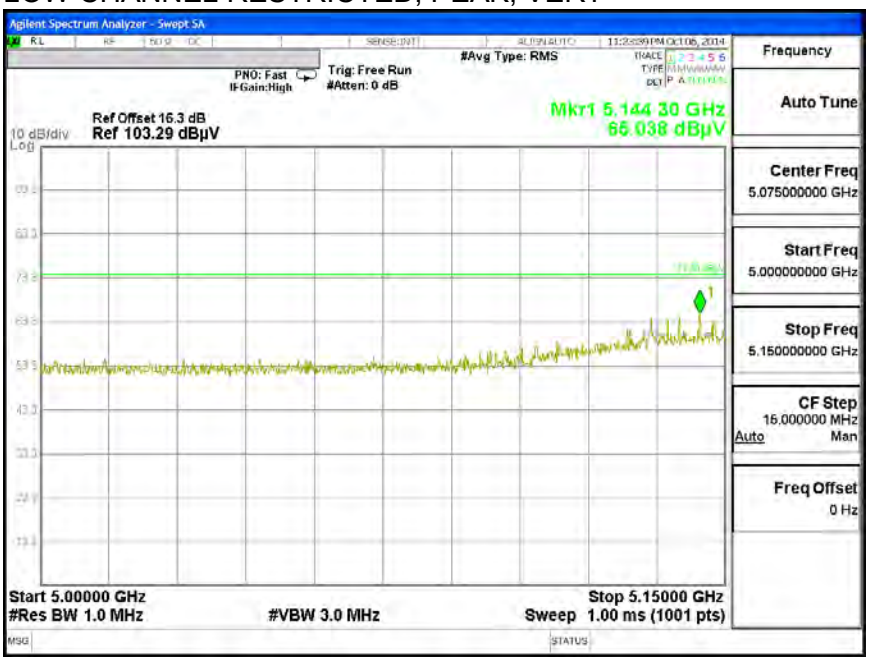
LOW CHANNEL RESTRICTED, PEAK, HORIZ



LOW CHANNEL RESTRICTED, AVERAGE, HORIZ



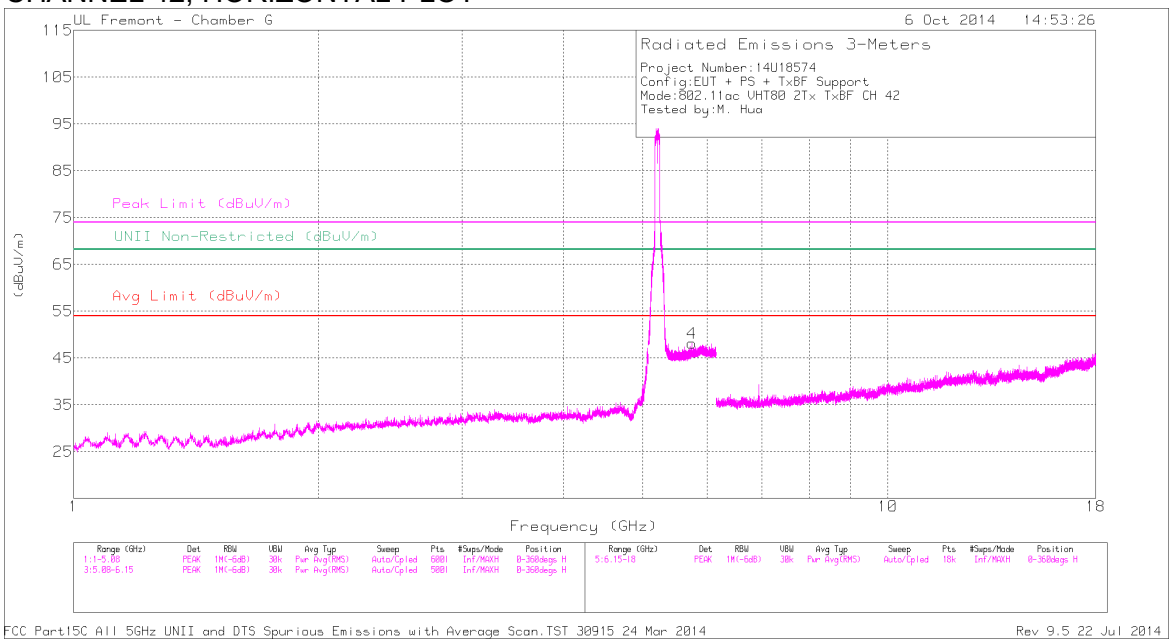
LOW CHANNEL RESTRICTED, PEAK, VERT



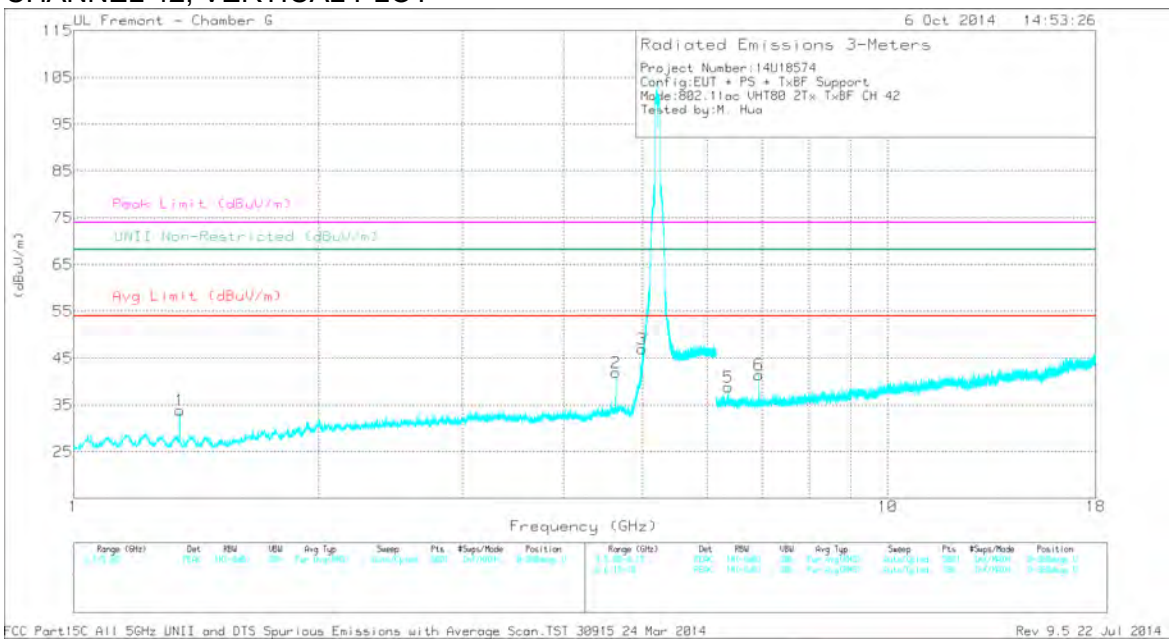
LOW CHANNEL RESTRICTED, AVERAGE, VERT

CHANNEL 42, HARMONICS AND SPURIOUS EMISSIONS

CHANNEL 42, HORIZONTAL PLOT



CHANNEL 42, VERTICAL PLOT



DATA

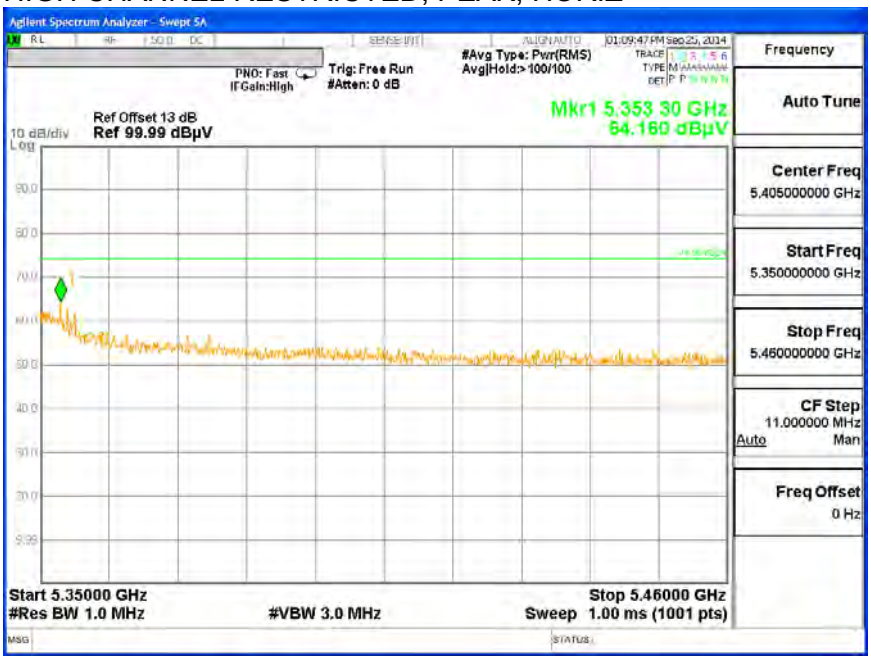
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl /Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.351	44.81	PK1	28.7	-35.6	0	37.91	-	-	74	-36.09	-	-	217	221	V
	* 1.350	31.65	AD1	28.7	-35.6	.26	25.01	54	-28.99	-	-	-	-	217	221	V
2	* 4.631	46.33	PK1	33.9	-32.8	0	47.43	-	-	74	-26.57	-	-	192	206	V
	* 4.631	40.61	AD1	33.9	-32.8	.26	41.97	54	-12.03	-	-	-	-	192	206	V
3	* 4.995	53.27	PK1	34.1	-32.0	0	55.37	-	-	74	-18.63	-	-	192	206	V
	* 4.995	36.31	AD1	34.1	-32.0	.26	38.67	54	-15.33	-	-	-	-	192	206	V
4	5.743	40.87	PK1	34.8	-23.5	0	52.17	-	-	-	-	68.2	-16.03	159	319	H
5	6.367	41.01	PK1	35.7	-32.1	0	44.61	-	-	-	-	68.2	-23.59	159	319	V
6	6.946	44.37	PK1	35.6	-32	0	47.97	-	-	-	-	68.2	-20.23	264	174	V

* - indicates frequency in CFR15.205/IC8.10 Restricted Band
PK1 - KDB789033 Method: Peak
AD1 - KDB789033 Method: AD Primary Power Average

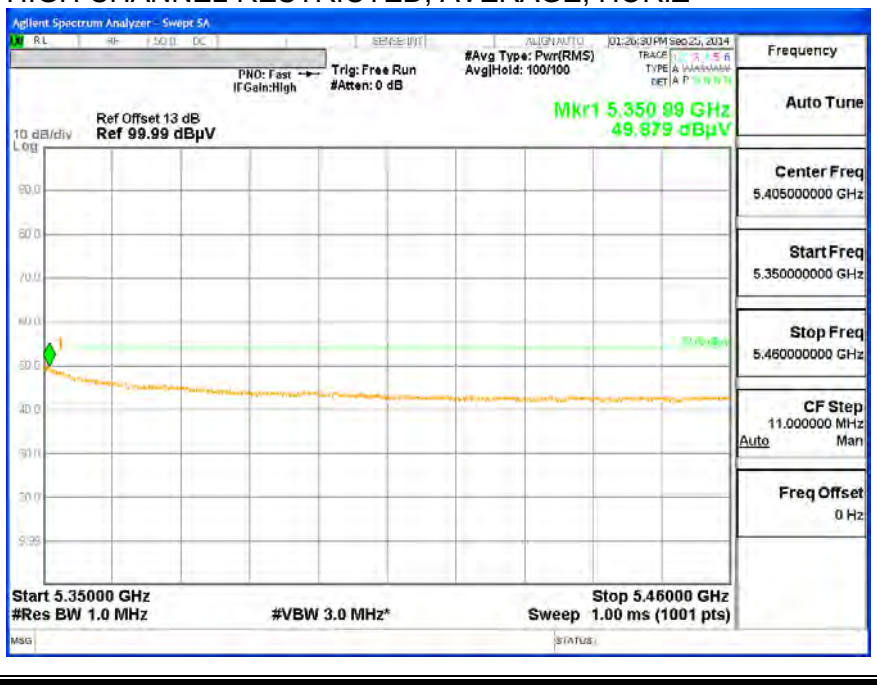
10.11. TX ABOVE 1 GHz 802.11a 1TX MODE IN THE 5.3 GHz BAND

RESTRICTED BANDEDGE (HIGH CHANNEL)

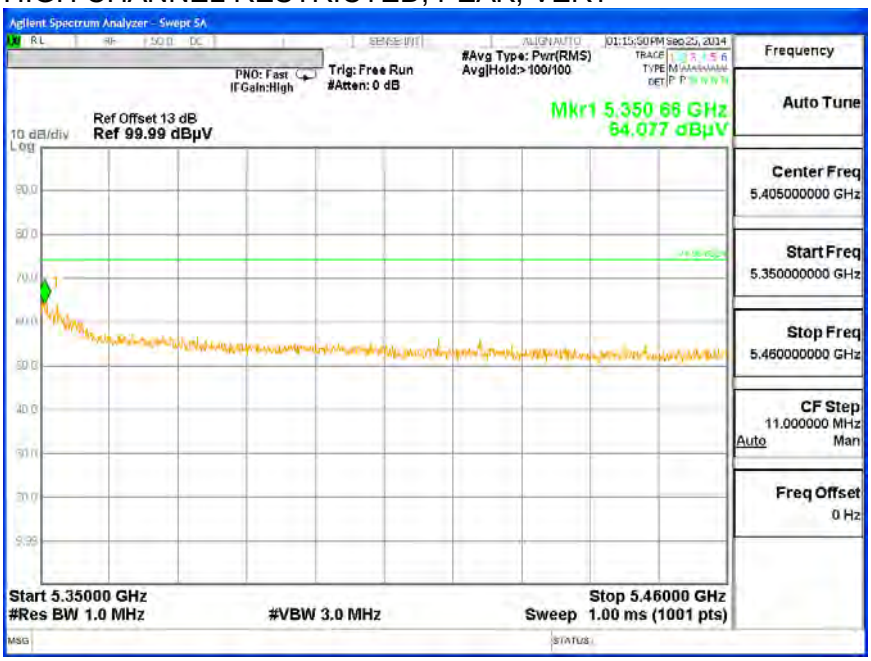
HIGH CHANNEL RESTRICTED, PEAK, HORIZ



HIGH CHANNEL RESTRICTED, AVERAGE, HORIZ



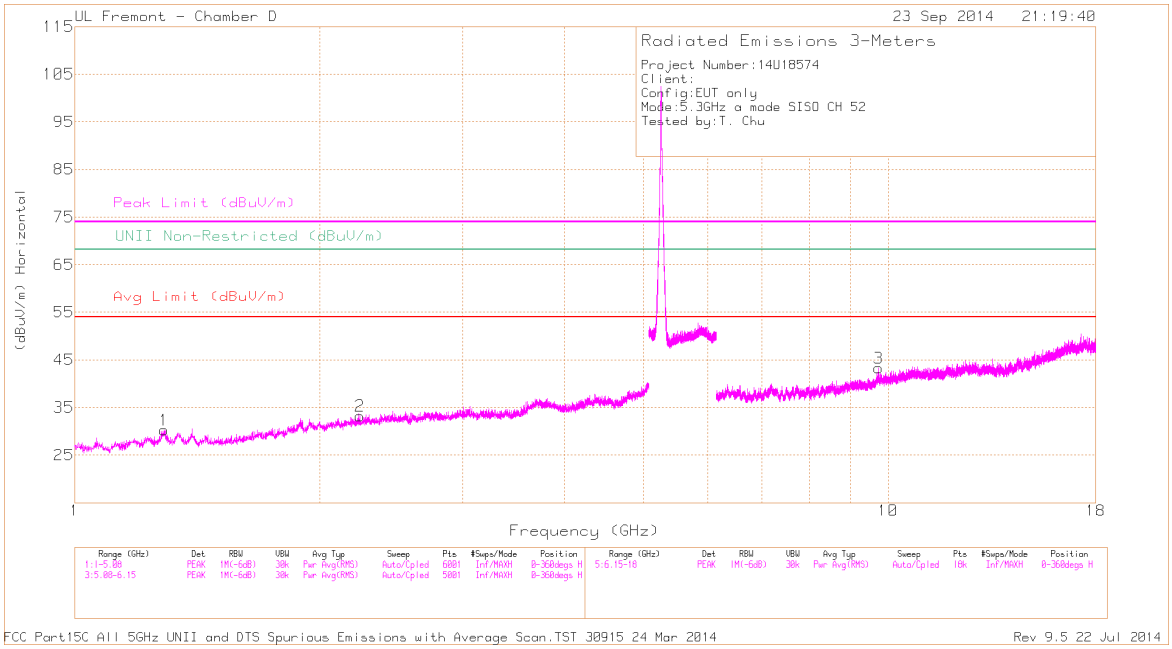
HIGH CHANNEL RESTRICTED, PEAK, VERT



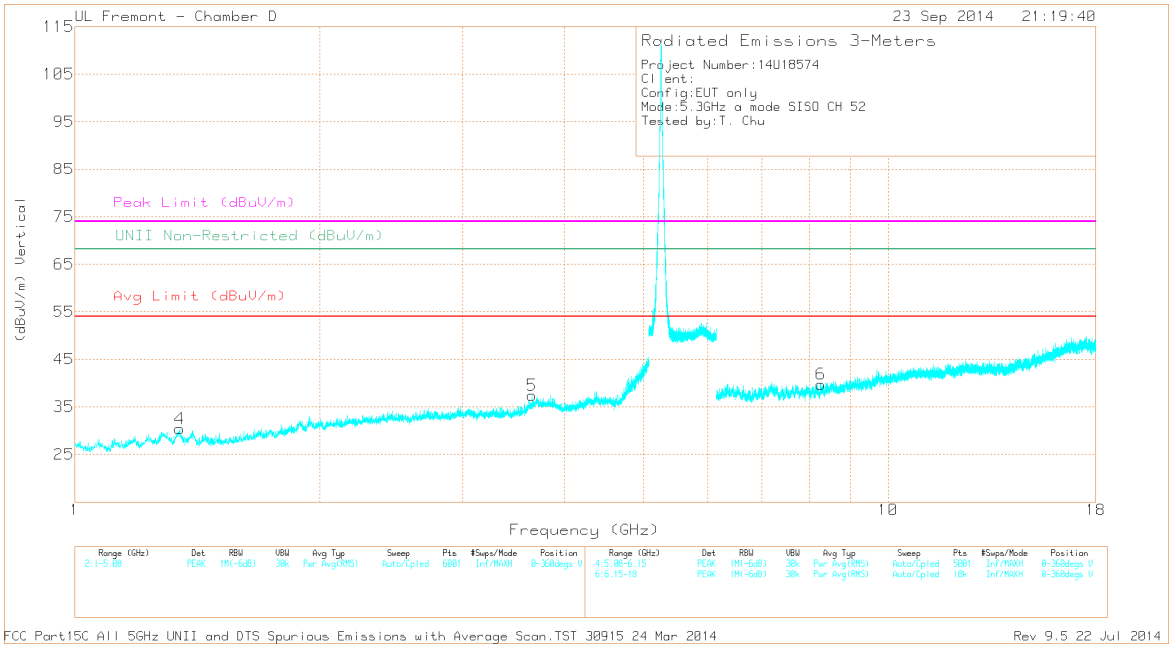
HIGH CHANNEL RESTRICTED, AVERAGE, VERT

LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL PLOT



LOW CHANNEL VERTICAL PLOT



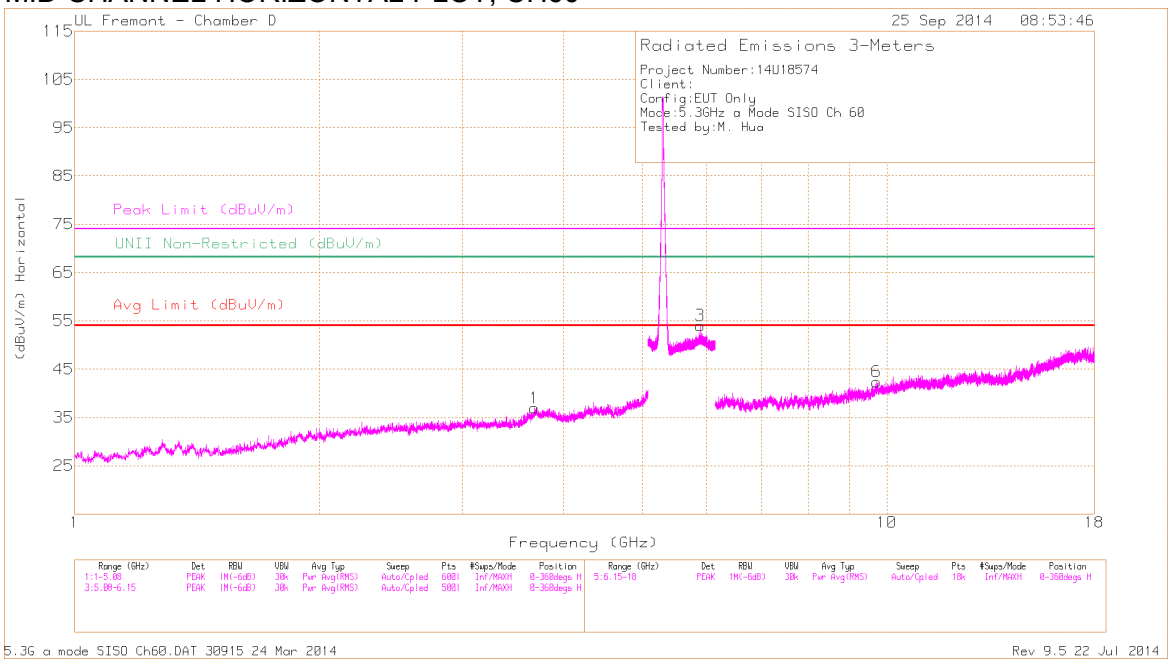
DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl /Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.287	40.75	PK1	28.8	-31.2	0	38.35	-	-	74	-35.65	-	-	0	100	H
	* 1.287	29.33	AD1	28.8	-31.2	0	26.93	54	-27.07	-	-	-	-	0	100	H
2	* 2.243	39.04	PK1	31.8	-30.1	0	40.74	-	-	74	-33.26	-	-	0	100	H
	* 2.242	27.89	AD1	31.7	-30.1	0	29.49	54	-24.51	-	-	-	-	0	100	H
3	9.730	34.35	PK1	36.9	-21.3	0	49.95	-	-	-	-	68.2	-18.25	0	100	H
4	* 1.346	40.49	PK1	28.7	-31.1	0	38.09	-	-	74	-35.91	-	-	0	100	V
	* 1.346	29.22	AD1	28.7	-31.1	0	26.82	54	-27.18	-	-	-	-	0	100	V
5	* 3.648	38.33	PK1	33.4	-28.8	0	42.93	-	-	74	-31.07	-	-	0	100	V
	* 3.649	26.91	AD1	33.4	-28.8	0	31.51	54	-22.49	-	-	-	-	0	100	V
6	* 8.271	35.54	PK1	35.8	-24.1	0	47.24	-	-	74	-26.76	-	-	0	100	V
	* 8.272	24.36	AD1	35.8	-24.1	0	36.06	54	-17.94	-	-	-	-	0	100	V

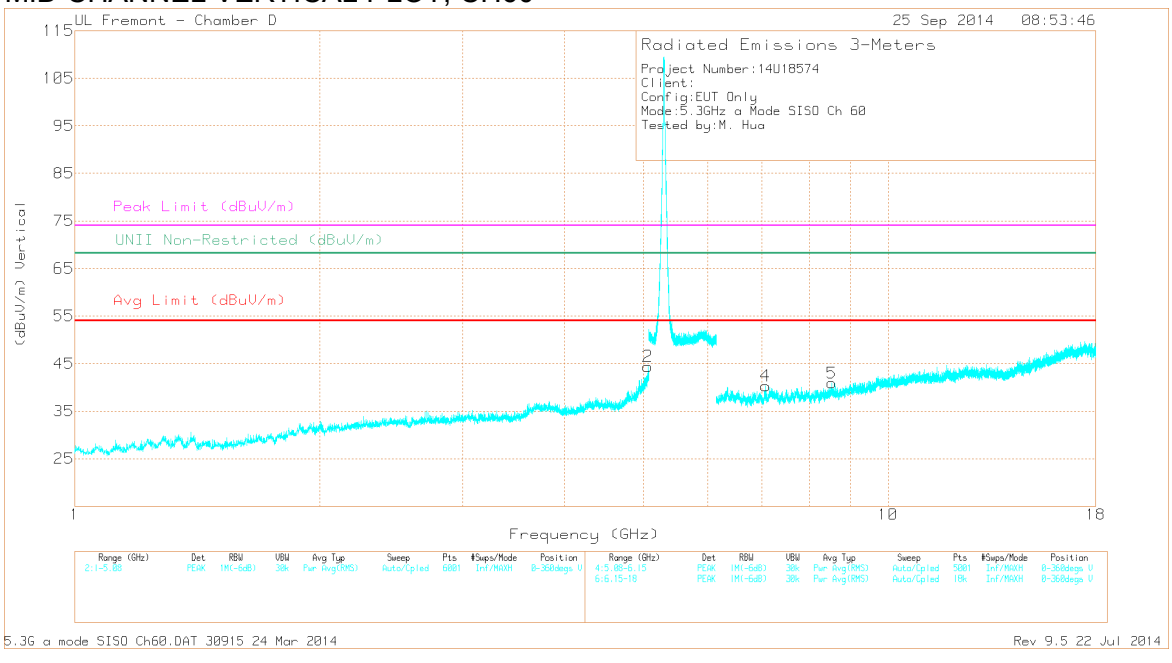
* - indicates frequency in CFR15.205/IC8.10 Restricted Band
PK1 - KDB789033 Method: Peak
AD1 - KDB789033 Method: AD Primary Power Average

MID CHANNEL HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL HORIZONTAL PLOT, CH60



MID CHANNEL VERTICAL PLOT, CH60



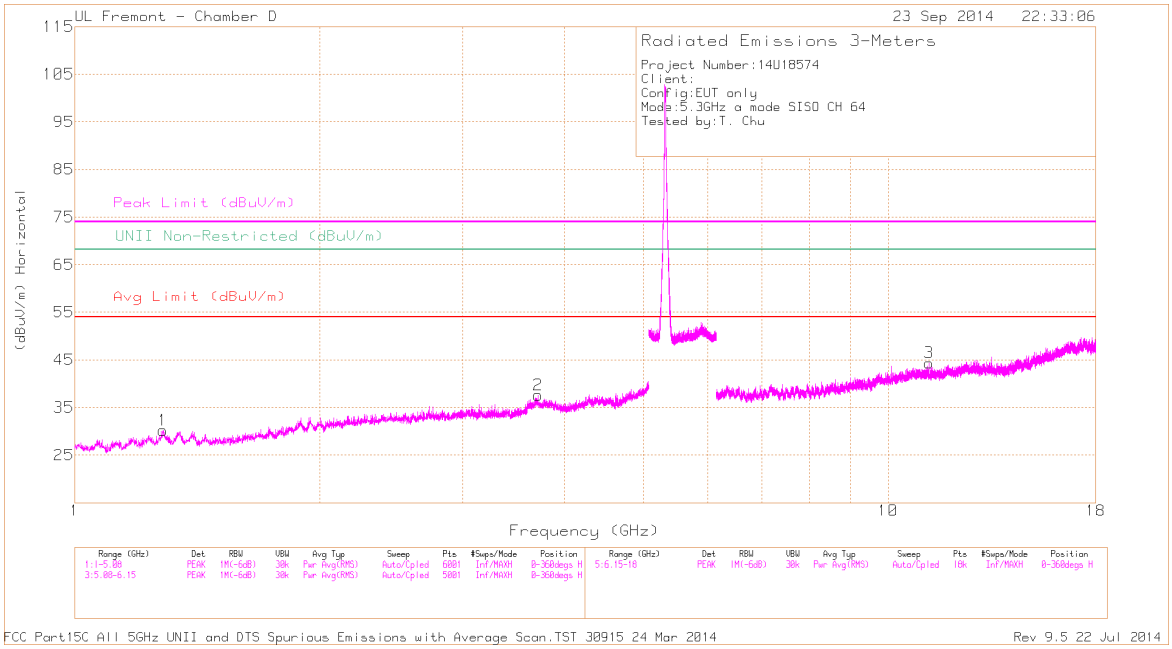
DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl /Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.683	38.84	PK1	33.3	-28.5	0	43.64	-	-	74	-30.36	-	-	360	100	H
	* 3.685	27.38	AD1	33.2	-28.6	0	31.98	54	-22.02	-	-	-	-	360	100	H
2	* 5.065	39.52	PK1	34.3	-25.1	0	48.72	-	-	74	-25.28	-	-	360	100	V
	* 5.067	28.72	AD1	34.3	-25.1	0	37.92	54	-16.08	-	-	-	-	360	100	V
3	5.893	37.30	PK1	35.1	-16.8	0	55.60	-	-	-	-	68.2	-12.60	360	100	H
4	7.073	37.14	PK1	35.6	-25.6	0	47.14	-	-	-	-	68.2	-21.06	360	100	V
5	8.529	35.26	PK1	35.9	-23.4	0	47.76	-	-	-	-	68.2	-20.44	360	100	V
6	9.718	34.00	PK1	36.9	-21.4	0	49.50	-	-	-	-	68.2	-18.70	360	100	H

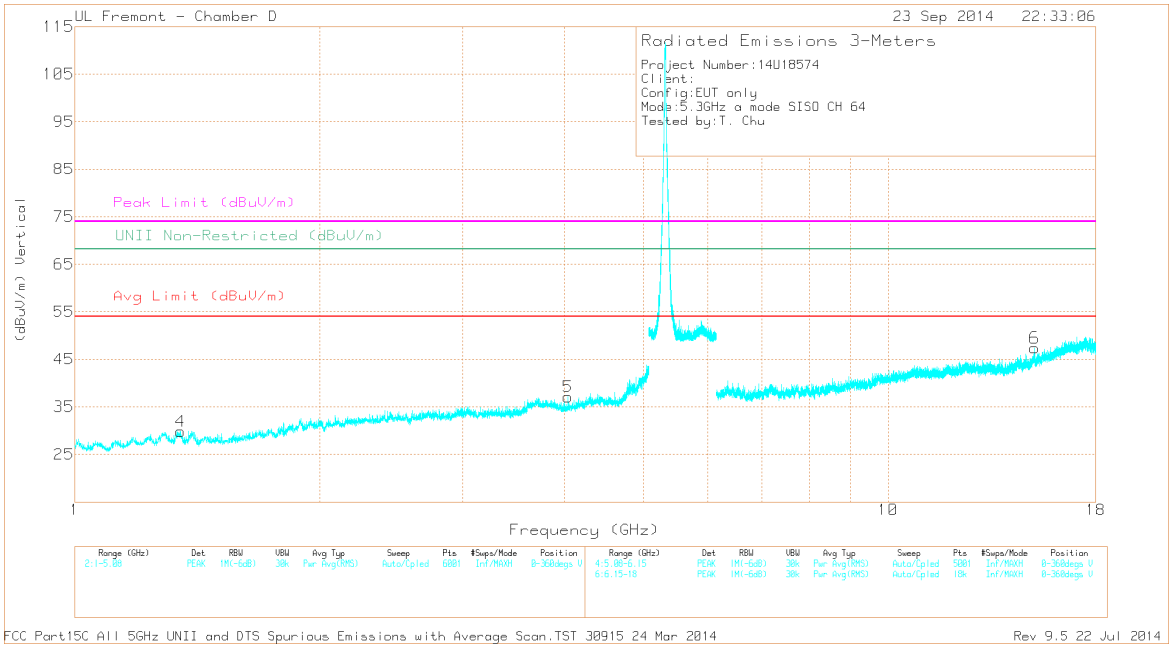
* - indicates frequency in CFR15.205/IC8.10 Restricted Band
PK1 - KDB789033 Method: Peak
AD1 - KDB789033 Method: AD Primary Power Average

HIGH CHANNEL HARMONICS AND SPURIOUS EMISSIONS

HIGH CHANNEL HORIZONTAL PLOT



HIGH CHANNEL VERTICAL PLOT



DATA

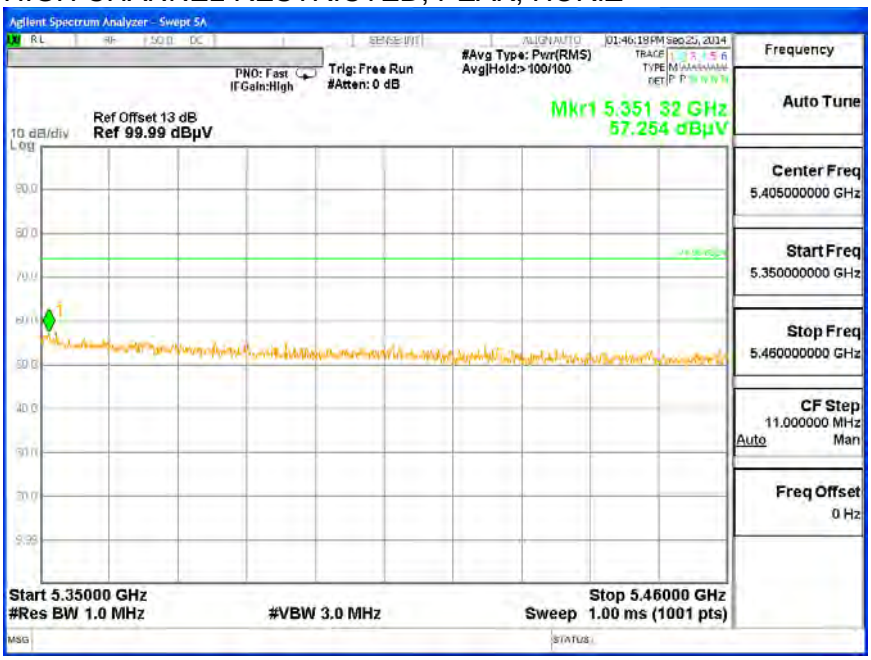
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl /Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.282	40.91	PK1	28.7	-31.4	0	38.21	-	-	74	-35.79	-	-	1	201	H
	* 1.283	29.49	AD1	28.7	-31.3	0	26.89	54	-27.11	-	-	-	-	1	201	H
2	* 3.714	38.36	PK1	33.2	-28.5	0	43.06	-	-	74	-30.94	-	-	1	201	H
	* 3.715	27.35	AD1	33.2	-28.5	0	32.05	54	-21.95	-	-	-	-	1	201	H
3	* 11.228	33.34	PK1	38.1	-21.3	0	50.14	-	-	74	-23.86	-	-	1	201	H
	* 11.229	22.86	AD1	38.1	-21.3	0	39.66	54	-14.34	-	-	-	-	1	201	H
4	* 1.350	43.08	PK1	28.7	-31.1	0	40.68	-	-	74	-33.32	-	-	1	201	V
	* 1.349	29.11	AD1	28.7	-31.1	0	26.71	54	-27.29	-	-	-	-	1	201	V
5	* 4.039	37.90	PK1	33.4	-28.2	0	43.10	-	-	74	-30.90	-	-	1	201	V
	* 4.038	26.64	AD1	33.4	-28.2	0	31.84	54	-22.16	-	-	-	-	1	201	V
6	15.137	34.93	PK1	40.2	-21.4	0	53.73	-	-	-	-	68.2	-14.47	1	201	V

* - indicates frequency in CFR15.205/IC8.10 Restricted Band
PK1 - KDB789033 Method: Peak
AD1 - KDB789033 Method: AD Primary Power Average

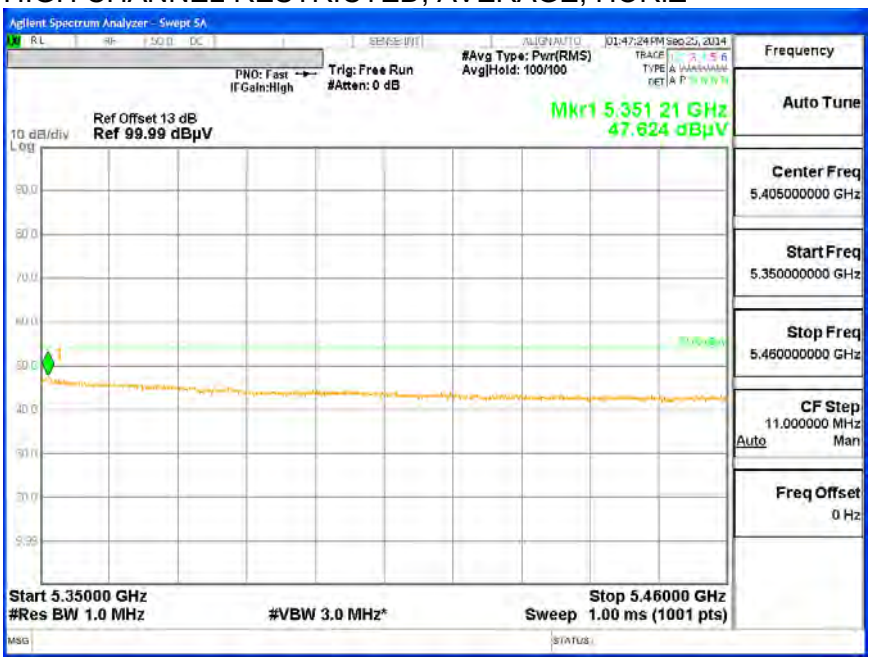
10.12. TX ABOVE 1 GHz 802.11n HT20 2TX CDD MODE IN THE 5.3 GHz BAND

RESTRICTED BANDEDGE (HIGH CHANNEL)

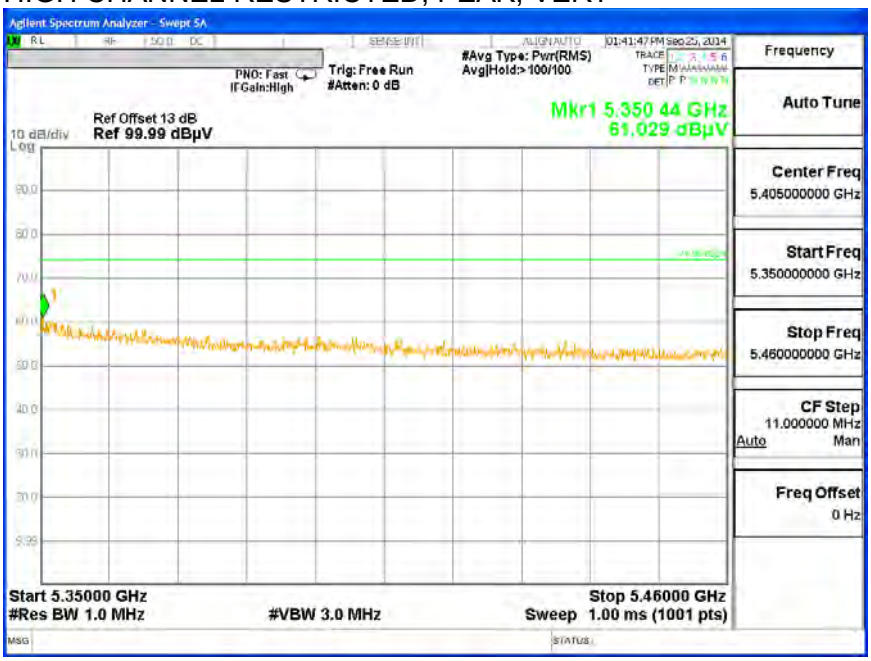
HIGH CHANNEL RESTRICTED, PEAK, HORIZ



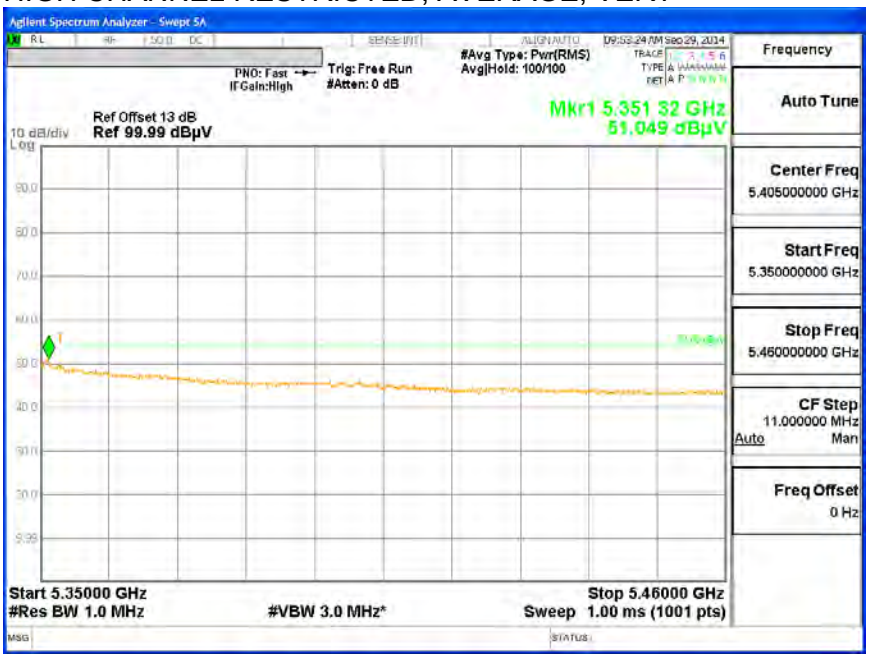
HIGH CHANNEL RESTRICTED, AVERAGE, HORIZ



HIGH CHANNEL RESTRICTED, PEAK, VERT

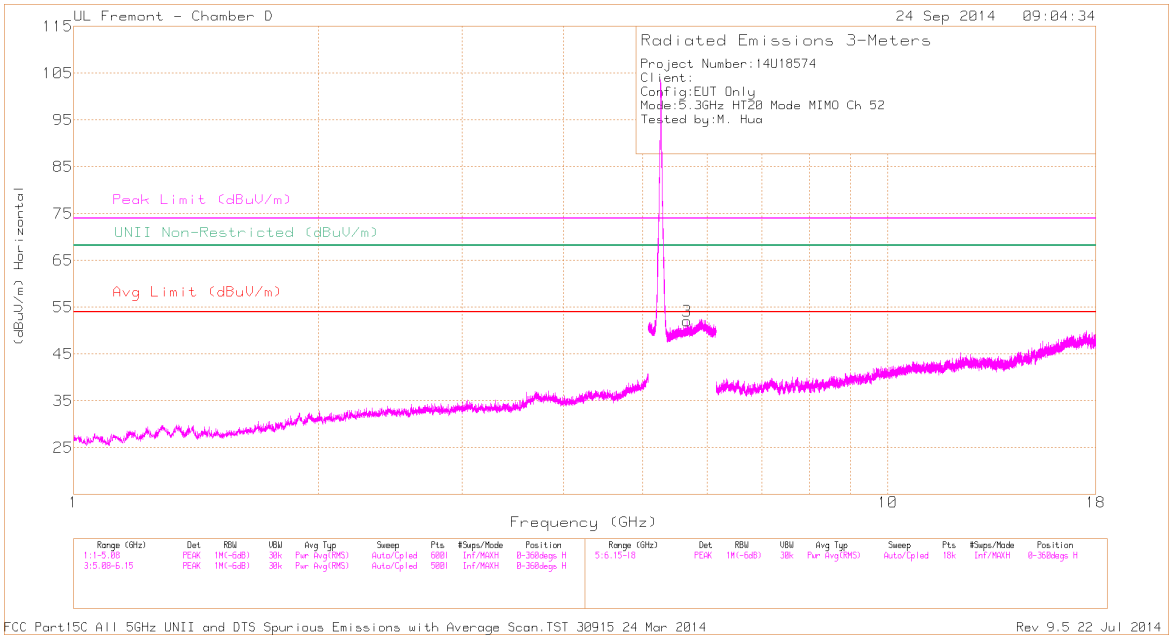


HIGH CHANNEL RESTRICTED, AVERAGE, VERT

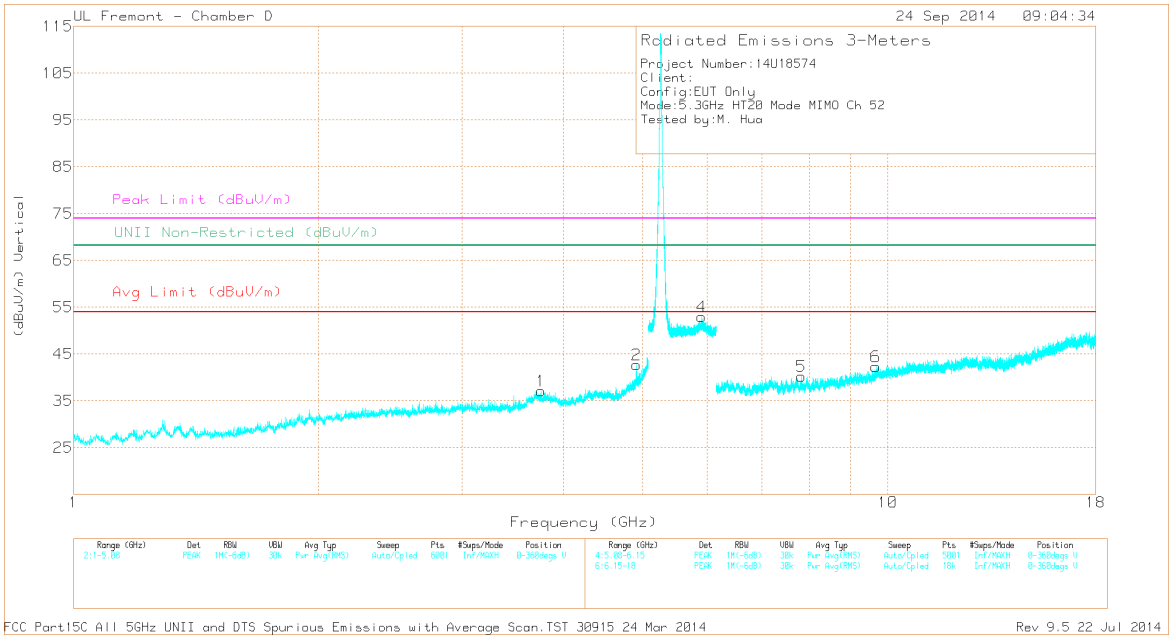


LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL PLOT



LOW CHANNEL VERTICAL PLOT



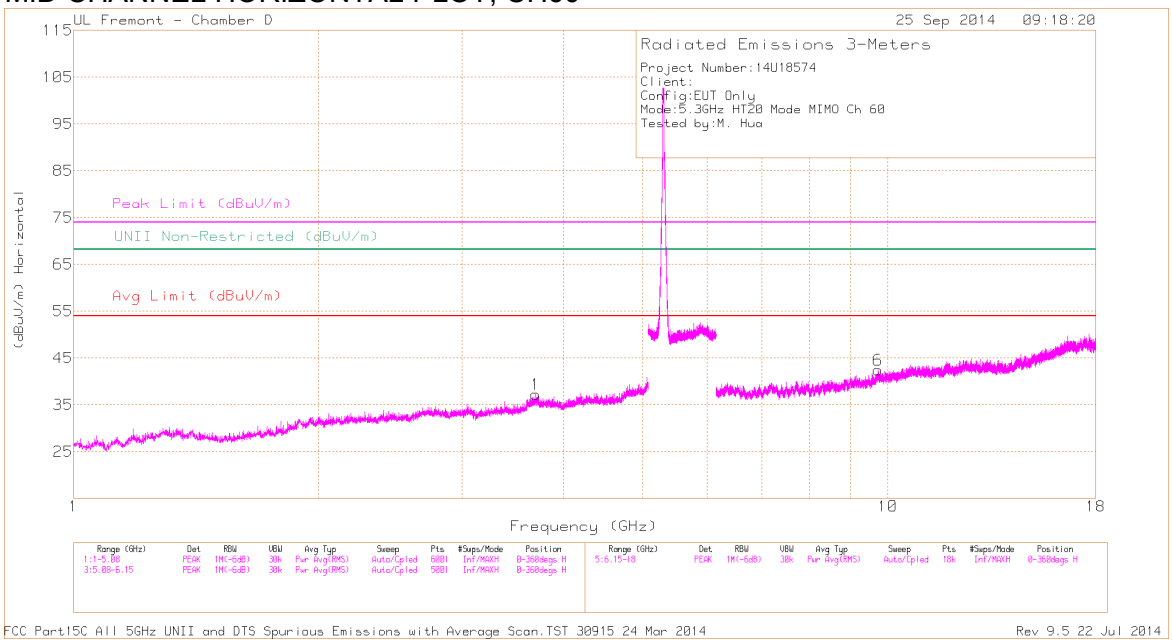
DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.747	38.44	PK1	33.3	-28.8	0	42.94	-	-	74	-31.06	-	-	222	117	V
	* 3.748	26.68	AD1	33.3	-28.7	0	31.28	54	-22.72	-	-	-	-	222	117	V
2	* 4.907	40.91	PK1	34.2	-26.4	0	48.71	-	-	74	-25.29	-	-	48	178	V
	* 4.909	29.73	AD1	34.2	-26.4	0	37.53	54	-16.47	-	-	-	-	48	178	V
3	5.672	41.58	PK1	34.6	-17.5	0	58.68	-	-	-	-	68.2	-9.52	118	339	H
4	5.901	41.91	PK1	35.1	-16.9	0	60.11	-	-	-	-	68.2	-8.09	305	371	V
5	7.830	35.75	PK1	35.8	-24.7	0	46.85	-	-	-	-	68.2	-21.35	154	317	H
6	9.664	34.35	PK1	36.8	-22.1	0	49.05	-	-	-	-	68.2	-19.15	292	220	H

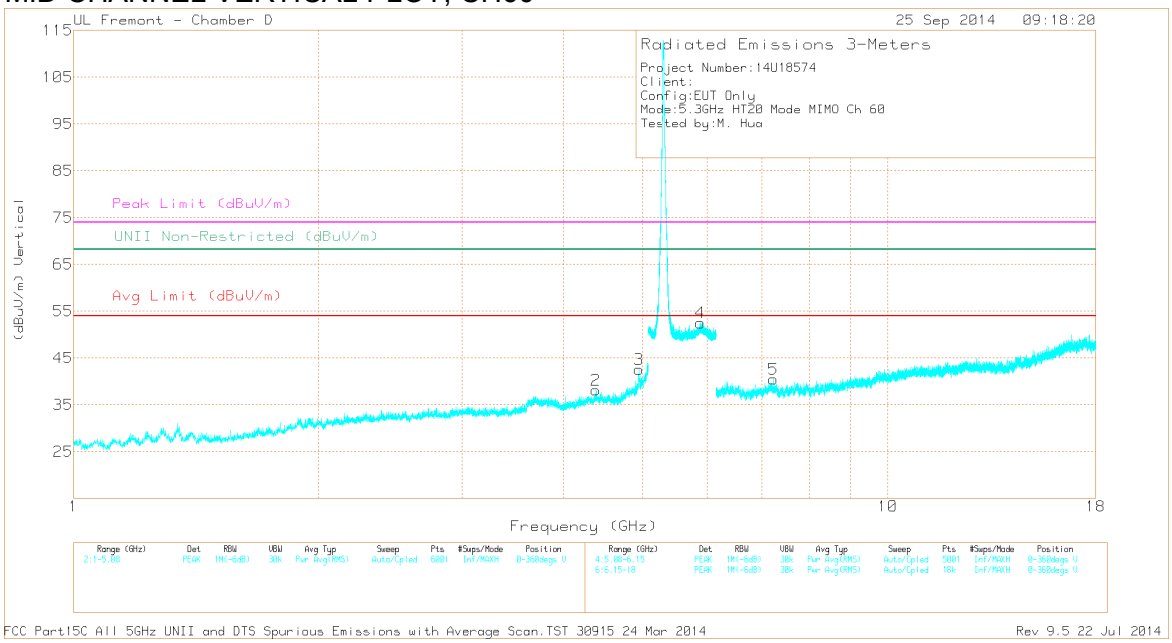
* - indicates frequency in CFR15.205/IC8.10 Restricted Band
PK1 - KDB789033 Method: Peak
AD1 - KDB789033 Method: AD Primary Power Average

MID CHANNEL HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL HORIZONTAL PLOT, CH60



MID CHANNEL VERTICAL PLOT, CH60



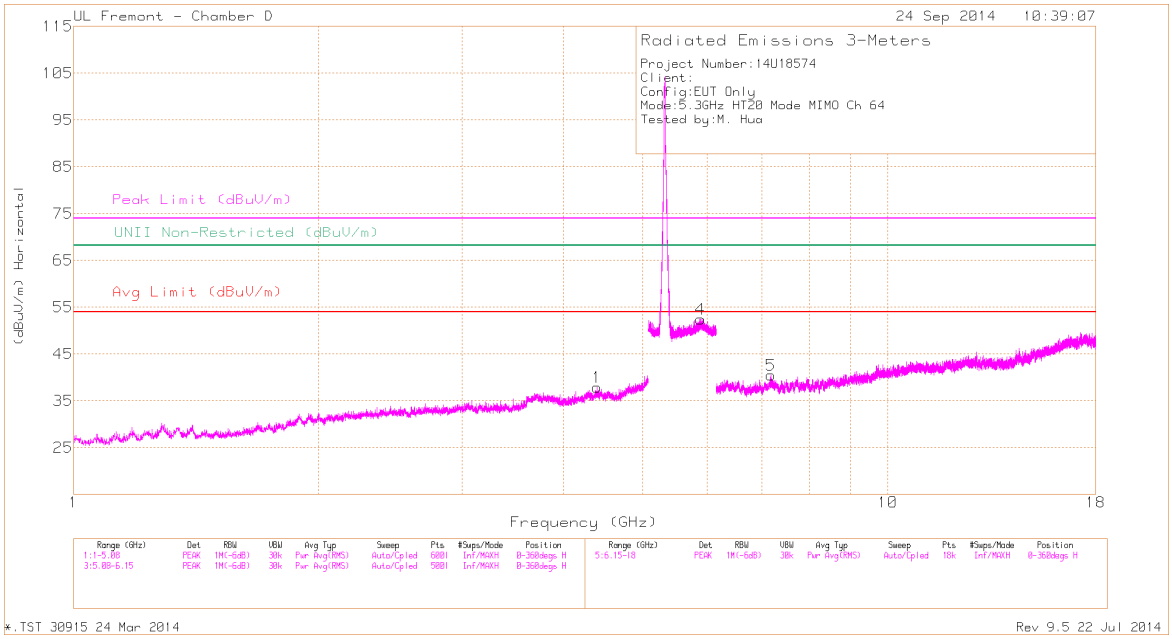
DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.694	38.3	PK1	33.2	-28.6	0	42.9	-	-	74	-31.10	-	-	101	155	H
	* 3.693	27.13	AD1	33.2	-28.6	0	31.73	54	-22.27	-	-	-	-	101	155	H
2	* 4.375	38.23	PK1	33.8	-27.9	0	44.13	-	-	74	-29.87	-	-	279	391	V
	* 4.376	26.66	AD1	33.8	-27.9	0	32.56	54	-21.44	-	-	-	-	279	391	V
3	* 4.945	37.31	PK1	34.2	-26.2	0	45.31	-	-	74	-28.69	-	-	279	391	V
	* 4.946	26.12	AD1	34.2	-26.2	0	34.12	54	-19.88	-	-	-	-	279	391	V
4	5.887	37.46	PK1	35.1	-16.9	0	55.66	-	-	-	-	68.2	-12.54	279	391	V
5	7.234	35.79	PK1	35.7	-24.0	0	47.49	-	-	-	-	68.2	-20.71	279	391	V
6	9.728	34.08	PK1	36.9	-21.3	0	49.68	-	-	-	-	68.2	-18.52	279	391	H

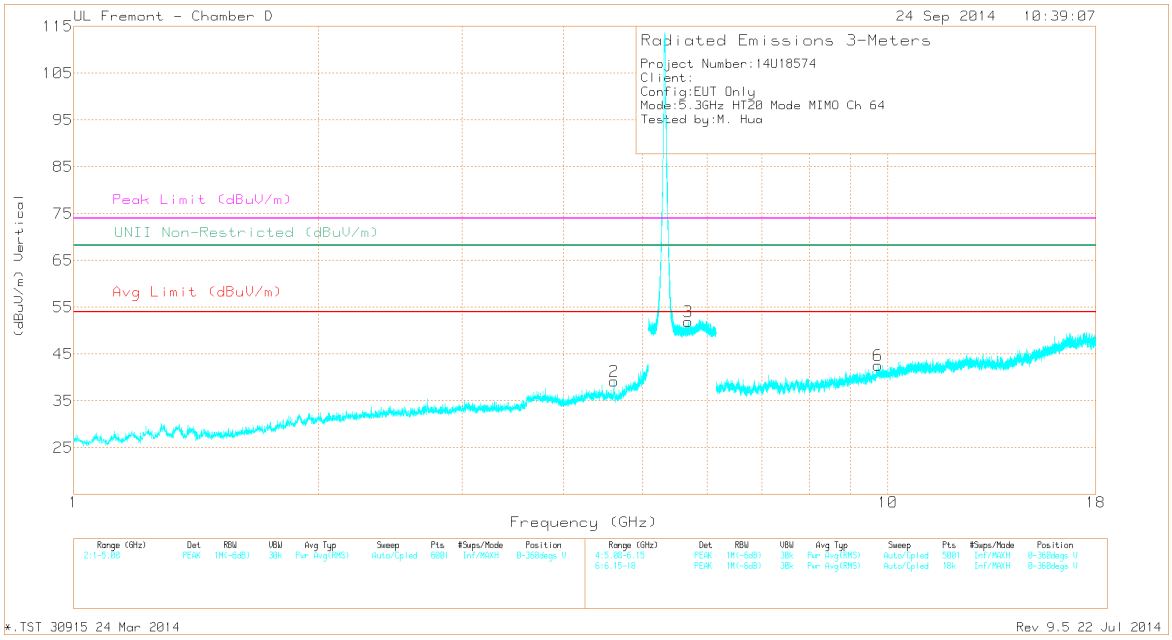
* - indicates frequency in CFR15.205/IC8.10 Restricted Band
PK1 - KDB789033 Method: Peak
AD1 - KDB789033 Method: AD Primary Power Average

HIGH CHANNEL HARMONICS AND SPURIOUS EMISSIONS

HIGH CHANNEL HORIZONTAL PLOT



HIGH CHANNEL VERTICAL PLOT



DATA

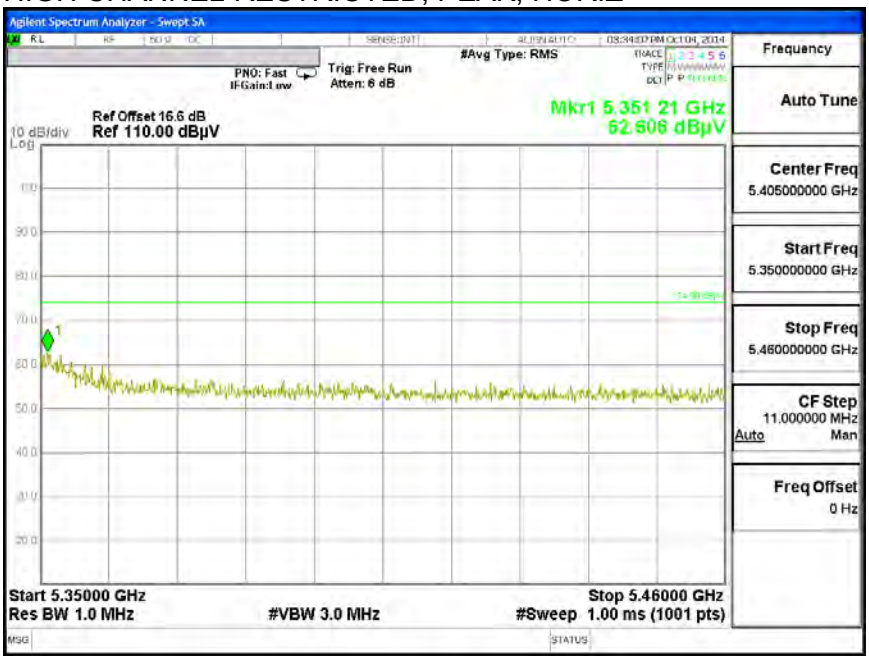
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/ Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.396	38.12	PK1	33.9	-27.9	0	44.12	-	-	74	-29.88	-	-	301	128	H
	* 4.397	26.51	AD1	33.9	-27.9	0	32.51	54	-21.49	-	-	-	-	301	128	H
2	* 4.611	41.32	PK1	34.1	-27.3	0	48.12	-	-	74	-25.88	-	-	20	182	V
	* 4.611	31.19	AD1	34.1	-27.3	0	37.99	54	-16.01	-	-	-	-	20	182	V
3	5.691	41.55	PK1	34.7	-17.3	0	58.95	-	-	-	-	68.2	-9.25	265	147	V
4	5.888	41.33	PK1	35.1	-16.9	0	59.53	-	-	-	-	68.2	-8.67	229	400	H
5	7.189	35.41	PK1	35.7	-23.9	0	47.21	-	-	-	-	68.2	-20.99	137	219	H
6	9.721	33.82	PK1	36.9	-21.4	0	49.32	-	-	-	-	68.2	-18.88	5	138	V

* - indicates frequency in CFR15.205/IC8.10 Restricted Band
PK1 - KDB789033 Method: Peak
AD1 - KDB789033 Method: AD Primary Power Average

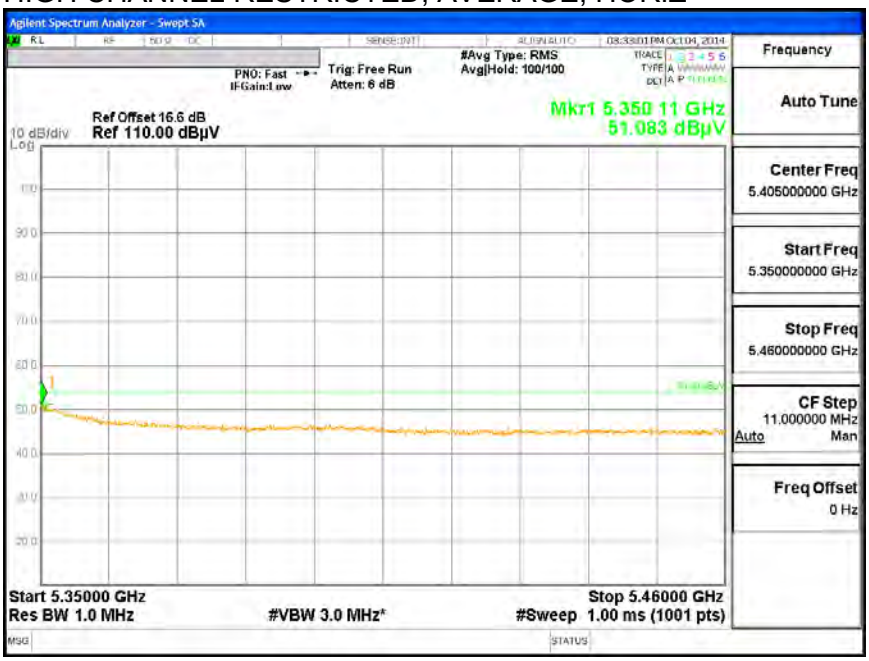
10.13. TX ABOVE 1 GHz 802.11n HT20 2TX BF MODE IN THE 5.3 GHz BAND

RESTRICTED BANDEDGE (HIGH CHANNEL)

HIGH CHANNEL RESTRICTED, PEAK, HORIZ

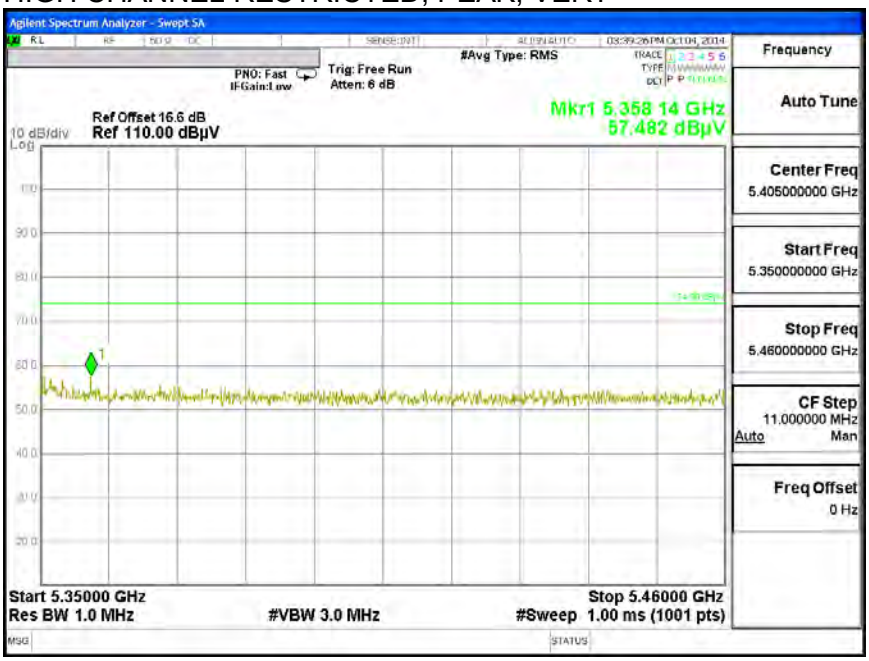


HIGH CHANNEL RESTRICTED, AVERAGE, HORIZ

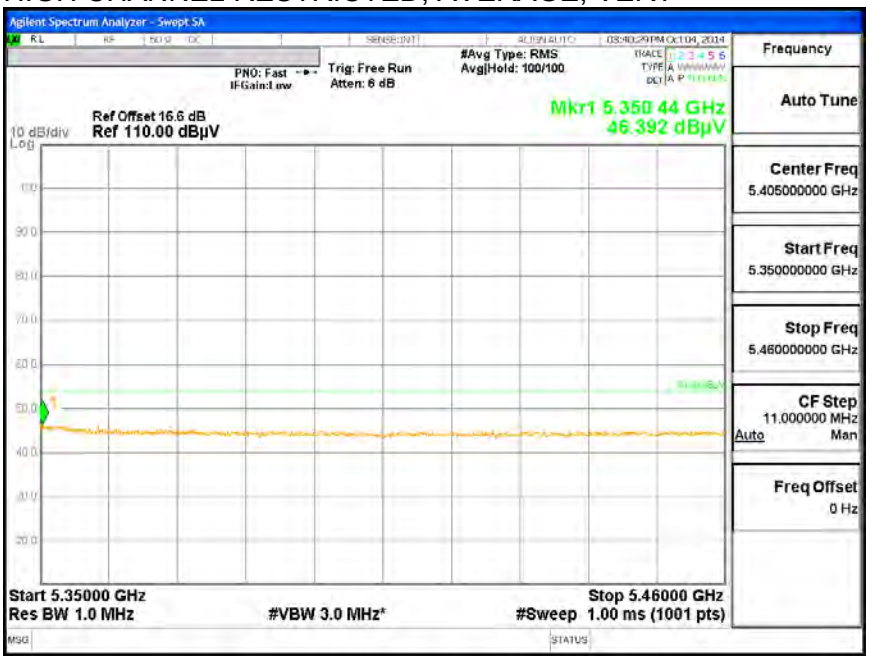


Corrected Value = Marker reading + Duty Cycle Factor
Final Corrected Average Value: 51.083dBuV + 0.12 = 51.203dBuV

HIGH CHANNEL RESTRICTED, PEAK, VERT



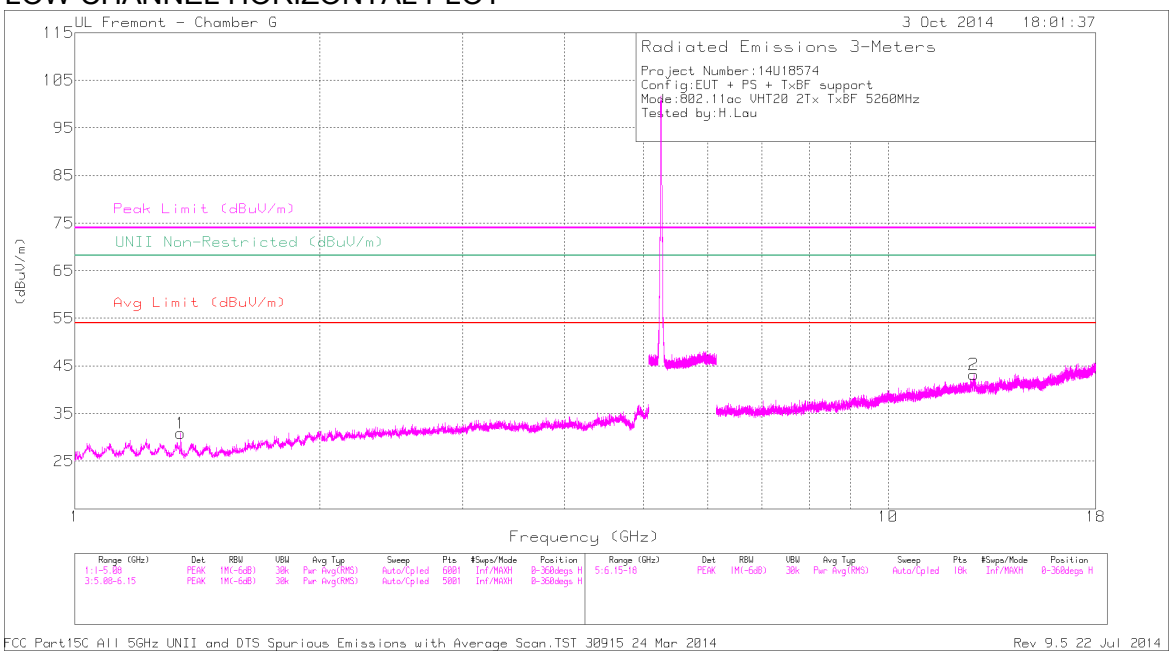
HIGH CHANNEL RESTRICTED, AVERAGE, VERT



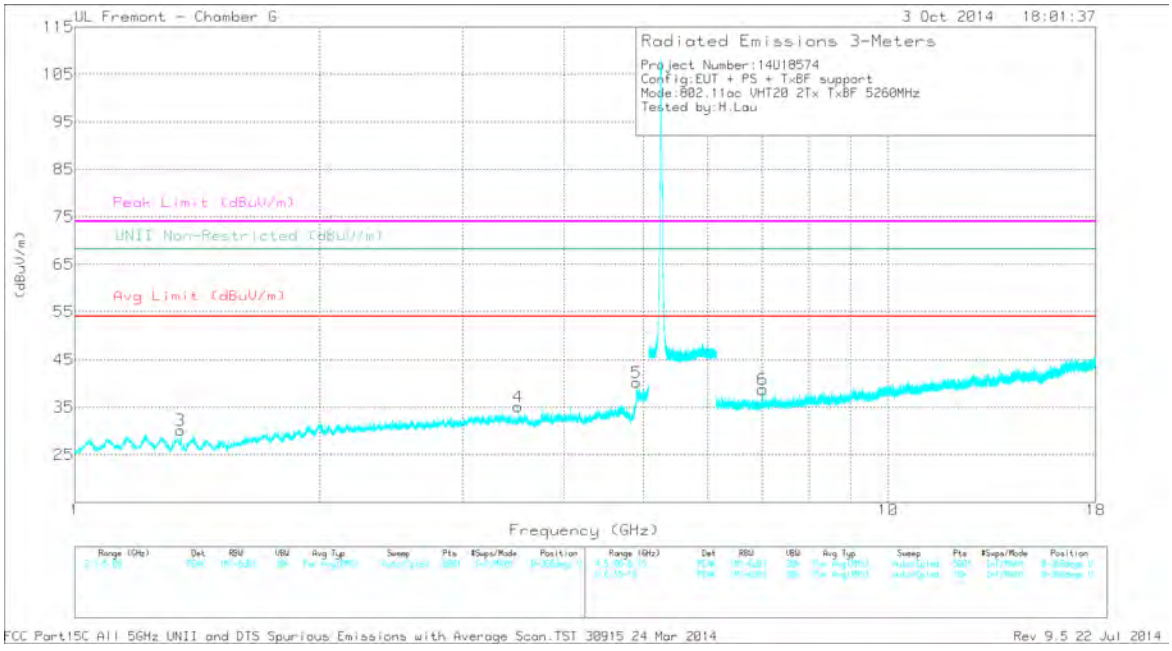
Corrected Value = Marker reading + Duty Cycle Factor
Final Corrected Average Value: 46.392dBuV + 0.12 = 46.512dBuV

LOW CHANNEL HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL PLOT



LOW CHANNEL VERTICAL PLOT



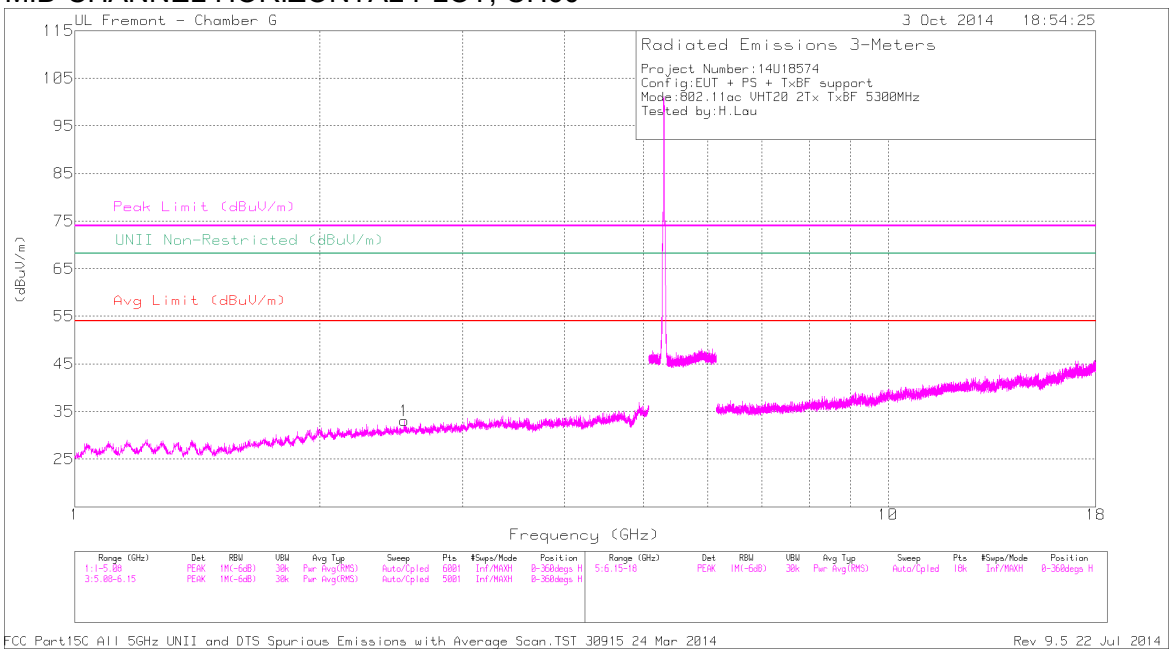
DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl /Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.350	46.31	PK1	28.7	-35.6	0	39.41	-	-	74	-34.59	-	-	348	338	H
	* 1.350	31.55	AD1	28.7	-35.6	.12	24.77	54	-29.23	-	-	-	-	348	338	H
2	12.743	36.74	PK1	39.1	-25.5	0	50.34	-	-	-	-	68.2	-17.86	179	149	H
3	* 1.350	43.88	PK1	28.7	-35.6	0	36.98	-	-	74	-37.02	-	-	22	111	V
	* 1.350	31.08	AD1	28.7	-35.6	.12	24.30	54	-29.70	-	-	-	-	22	111	V
4	* 3.507	43.55	PK1	32.8	-33.8	0	42.55	-	-	74	-31.45	-	-	190	313	V
	* 3.507	33.82	AD1	32.8	-33.8	.12	32.94	54	-21.06	-	-	-	-	190	313	V
5	* 4.909	47.90	PK1	34.1	-32.1	0	49.90	-	-	74	-24.10	-	-	174	211	V
	* 4.909	38.43	AD1	34.1	-32.1	.12	40.55	54	-13.45	-	-	-	-	174	211	V
6	7.014	42.76	PK1	35.6	-31.6	0	46.76	-	-	-	-	68.2	-21.44	198	167	V

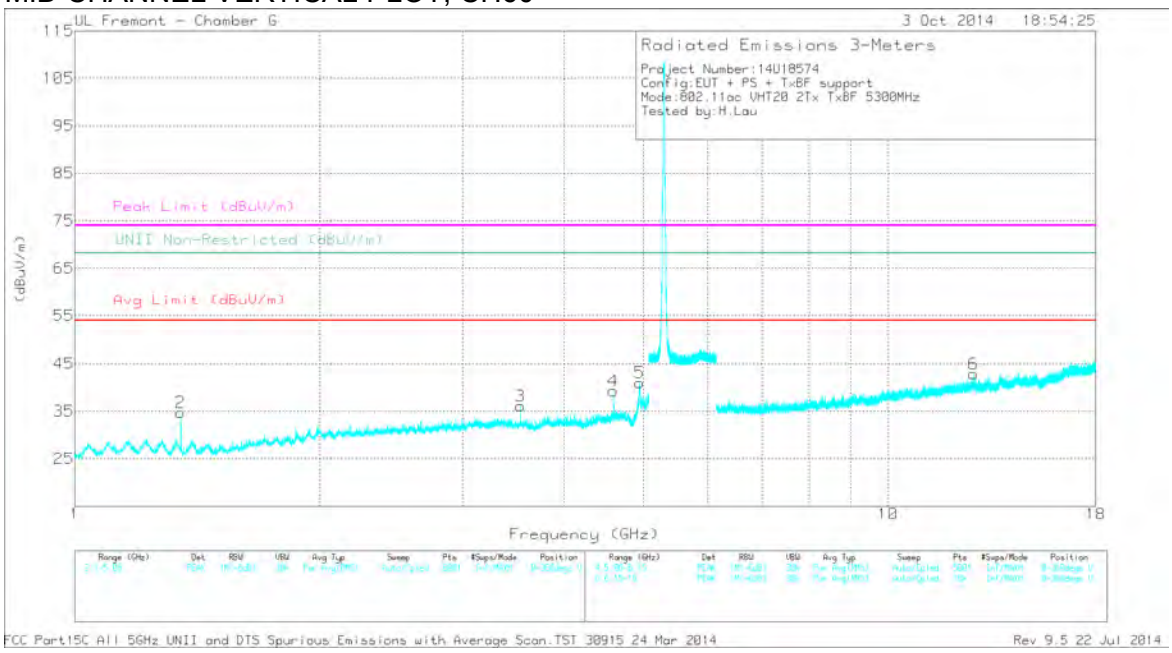
* - indicates frequency in CFR15.205/IC8.10 Restricted Band
PK1 - KDB789033 Method: Peak
AD1 - KDB789033 Method: AD Primary Power Average

MID CHANNEL HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL HORIZONTAL PLOT, CH60



MID CHANNEL VERTICAL PLOT, CH60



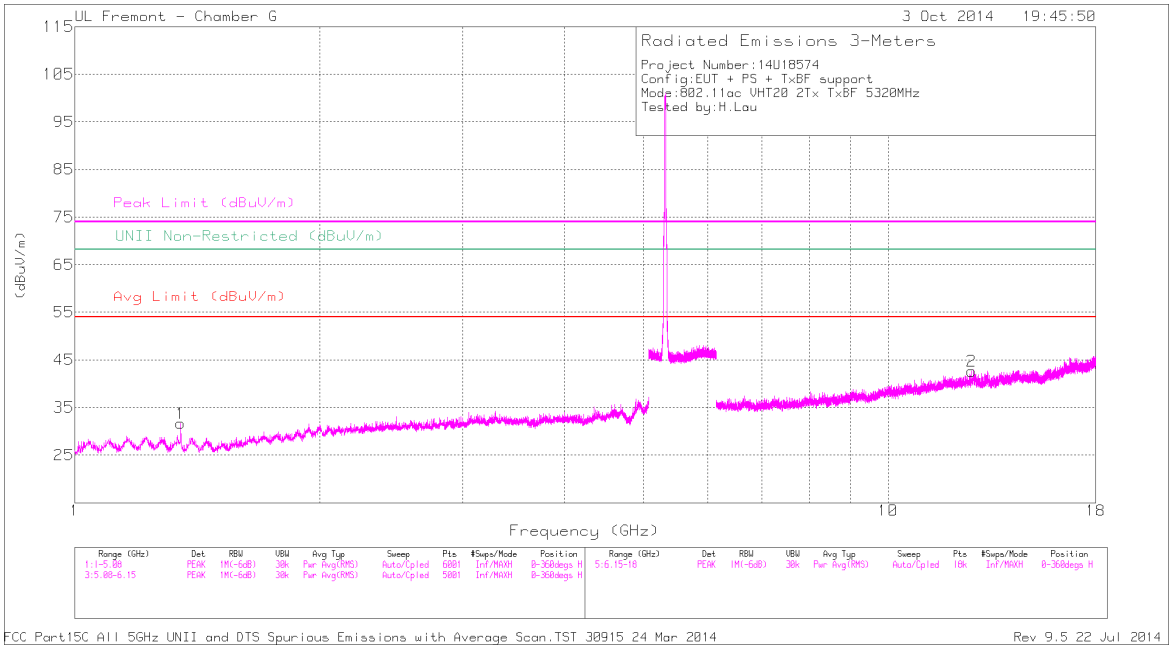
DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (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	2.544	42.24	PK1	32.0	-34.4	0	39.84	-	-	-	-	68.2	-28.36	147	313	H
2	* 1.350	44.69	PK1	28.7	-35.6	0	37.79	-	-	74	-36.21	-	-	31	317	V
	* 1.350	31.24	AD1	28.7	-35.6	.12	24.46	54	-29.54	-	-	-	-	31	317	V
3	* 3.533	43.48	PK1	32.8	-33.5	0	42.78	-	-	74	-31.22	-	-	190	202	V
	* 3.533	33.54	AD1	32.8	-33.5	.12	32.96	54	-21.04	-	-	-	-	190	202	V
4	* 4.593	44.61	PK1	33.8	-32.7	0	45.71	-	-	74	-28.29	-	-	174	183	V
	* 4.593	36.14	AD1	33.8	-32.7	.12	37.36	54	-16.64	-	-	-	-	174	183	V
5	* 4.946	46.12	PK1	34.1	-31.8	0	48.42	-	-	74	-25.58	-	-	167	192	V
	* 4.947	37.71	AD1	34.1	-31.8	.12	40.13	54	-13.87	-	-	-	-	167	192	V
6	12.735	37.83	PK1	39.1	-25.4	0	51.53	-	-	-	-	68.2	-16.67	283	137	V

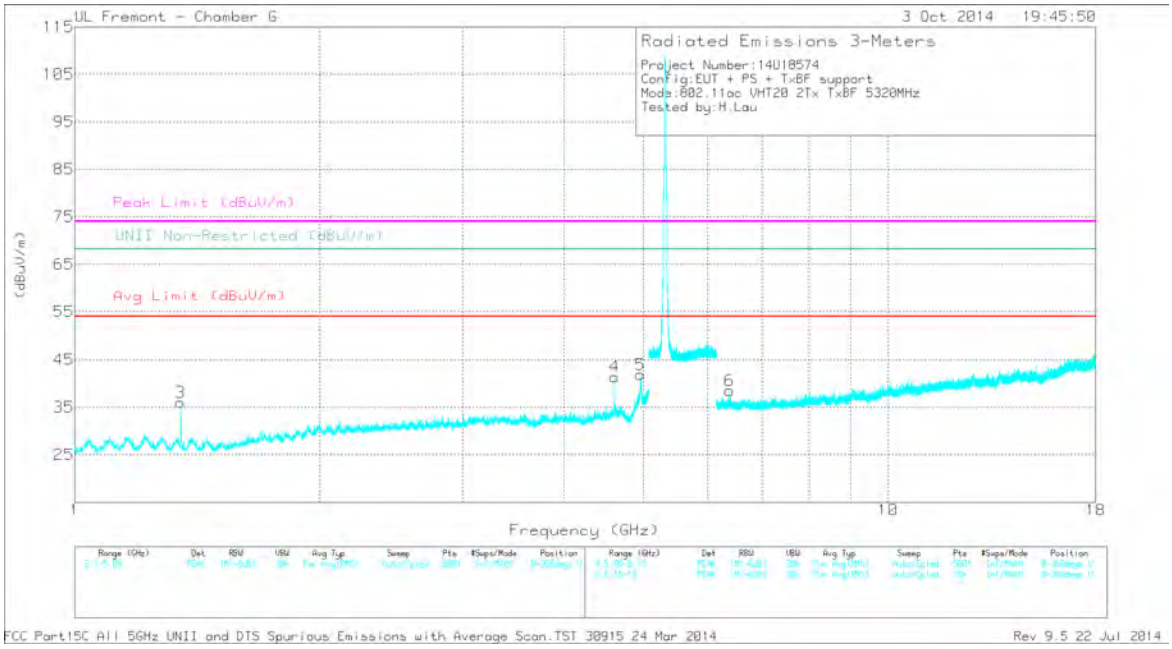
* - indicates frequency in CFR15.205/IC8.10 Restricted Band
PK1 - KDB789033 Method: Peak
AD1 - KDB789033 Method: AD Primary Power Average

HIGH CHANNEL HARMONICS AND SPURIOUS EMISSIONS

HIGH CHANNEL HORIZONTAL PLOT



HIGH CHANNEL VERTICAL PLOT



DATA

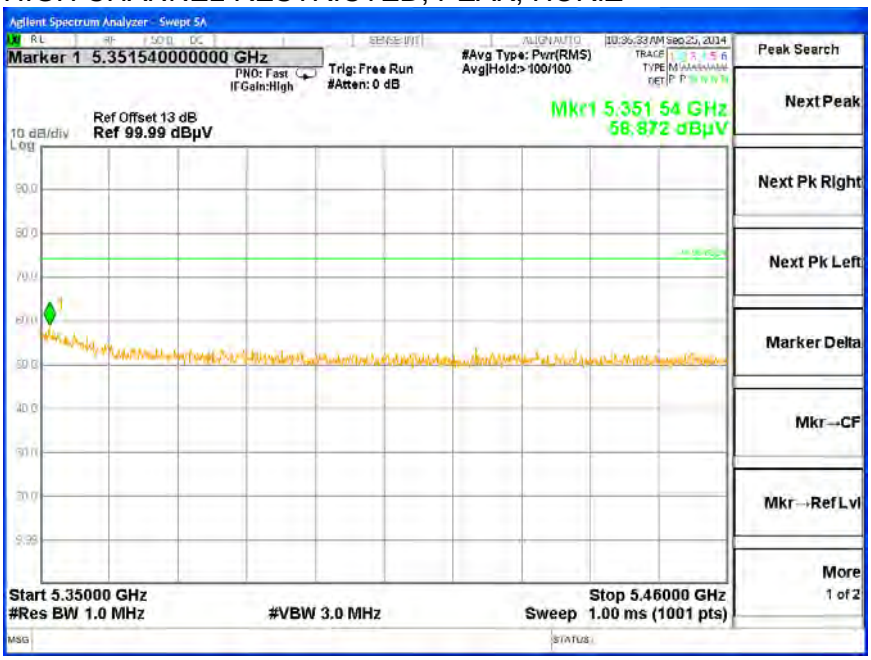
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl /Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.350	43.29	PK1	28.7	-35.6	0	36.39	-	-	74	-37.61	-	-	273	137	H
	* 1.349	30.70	AD1	28.7	-35.6	.12	23.92	54	-30.08	-	-	-	-	273	137	H
2	* 12.662	37.26	PK1	39.1	-26.2	0	50.16	-	-	74	-23.84	-	-	88	183	H
	* 12.662	25.87	AD1	39.1	-26.2	.12	38.89	54	-15.11	-	-	-	-	88	183	H
3	* 1.350	47.07	PK1	28.7	-35.6	0	40.17	-	-	74	-33.83	-	-	27	362	V
	* 1.350	31.43	AD1	28.7	-35.6	.12	24.65	54	-29.35	-	-	-	-	27	362	V
4	* 4.611	47.10	PK1	33.9	-32.6	0	48.40	-	-	74	-25.60	-	-	176	227	V
	* 4.611	39.40	AD1	33.9	-32.6	.12	40.82	54	-13.18	-	-	-	-	176	227	V
5	* 4.957	49.60	PK1	34.1	-31.9	0	51.80	-	-	74	-22.20	-	-	247	199	V
	* 4.957	41.85	AD1	34.1	-31.9	.12	44.17	54	-9.83	-	-	-	-	247	199	V
6	6.384	43.42	PK1	35.6	-32.0	0	47.02	-	-	-	-	68.2	-21.18	157	134	V

* - indicates frequency in CFR15.205/IC8.10 Restricted Band
PK1 - KDB789033 Method: Peak
AD1 - KDB789033 Method: AD Primary Power Average

10.14. TX ABOVE 1 GHz 802.11n HT40 1TX MODE IN THE 5.3 GHz BAND

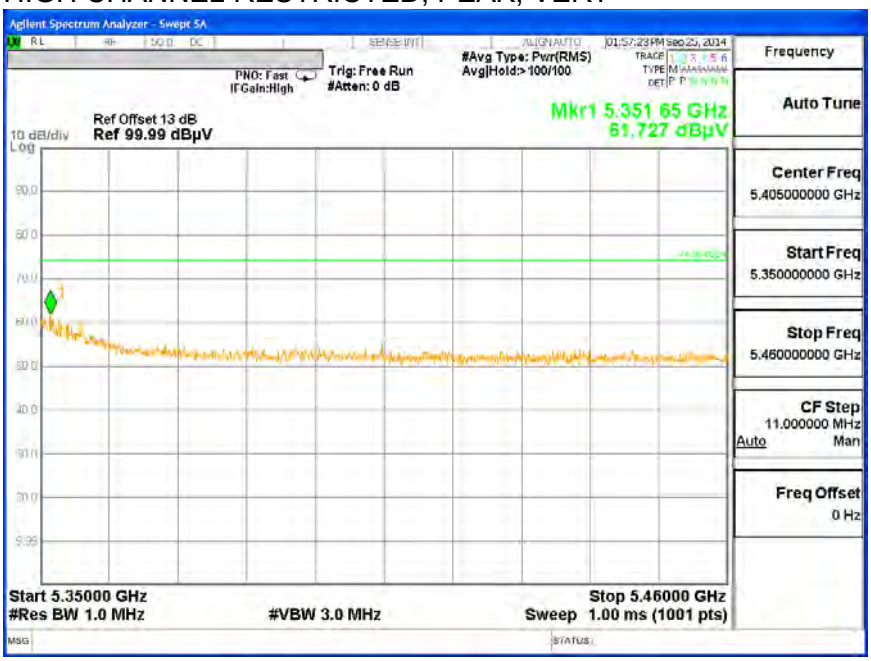
RESTRICTED BANDEDGE (HIGH CHANNEL)

HIGH CHANNEL RESTRICTED, PEAK, HORIZ



HIGH CHANNEL RESTRICTED, AVERAGE, HORIZ

HIGH CHANNEL RESTRICTED, PEAK, VERT



HIGH CHANNEL RESTRICTED, AVERAGE, VERT