

# EMISSION & OCCUPIED BANDWIDTH

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

## TEST DESCRIPTION

5.2GHz band

FCC KDB 789033 General UNII Test Procedures were followed.

The transmit frequencies and data rates listed in the datasheet were measured in each band utilized by the radio. A direct connection was made between the RF output of the EUT and a spectrum analyzer. Attenuation and a DC block were used. The reference level offset on the spectrum analyzer was adjusted to compensate for cable loss and the external attenuation used between the RF output and the spectrum analyzer input.

The spectrum analyzer settings were as follows:

- RBW = Approx. 1% of the emission bandwidth (B).
- VBW = > RBW
- Detector = Peak
- Trace mode = max hold

The spectrum analyzer occupied bandwidth measurement function was then used to measure 26 dB emission bandwidth.

There is no required limit to be met in the rule part for the 5.2GHz band. The purpose of the test is to both report the results as required by the KDB, and to utilize the emission bandwidth for setting the channel power integration bandwidth during conducted output power testing.

5.8GHz band

FCC KDB 789033 General UNII Test Procedures were followed to measure the minimum emission bandwidth for the 5.725-5.85 GHz band.

The transmit frequencies and data rates listed in the datasheet were measured in each band utilized by the radio. The transmit power was set to its default maximum.

A direct connection was made between the RF output of the EUT and a spectrum analyzer. Attenuation and a DC block were used. The reference level offset on the spectrum analyzer was adjusted to compensate for cable loss and the external attenuation used between the RF output and the spectrum analyzer input.

The spectrum analyzer settings were as follows:

RBW = 100 kHz  
VBW =  $\geq$  3x RBW  
Detector = Peak  
Trace mode = max hold

The spectrum analyzer occupied bandwidth measurement function was then used to measure 6 dB emission bandwidth.

## TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Spectrum Analyzer	Agilent	N9010A	AFL	9/20/2014	9/20/2015
DC Block, 40 GHz	Fairview Microwave	SD3379	AMM	2/27/2015	2/27/2016
Attenuator, 20dB, 40 GHz	Fairview Microwave	SA4018-20	TQY	2/27/2015	2/27/2016
Signal Generator, 40 GHz	Agilent	N5173B	TIW	7/15/2014	7/15/2017

# EMISSION & OCCUPIED BANDWIDTH

EUT:	Firebox T50-W (BS5AE7W)	Work Order:	VDEI0009
Serial Number:	70AF00069-3EB6	Date:	07/31/15
Customer:	WatchGuard Technologies, Inc.	Temperature:	25.6°C
Attendees:	None	Relative Humidity:	44%
Customer Project:	None	Bar. Pressure:	1014 mbar
Tested By:	Jonathan Kiefer	Job Site:	TX09
Power:	110VAC/60Hz	Configuration:	1

## TEST SPECIFICATIONS

Specification:	Method:
FCC 15.407:2015	ANSI C63.10:2013

## COMMENTS

Chain A corresponds to Chain 0.

## DEVIATIONS FROM TEST STANDARD

None

## RESULTS

		Value	Limit (>)	Result
Chain A				
	802.11(a) 6 Mbps			
	20 MHz			
	Low Channel 5180 MHz	21.919 MHz	N/A	N/A
	High Channel 5240 MHz	21.876 MHz	N/A	N/A
	Low Channel 5745 MHz	16.481 MHz	500 kHz	Pass
	Mid Channel 5785 MHz	16.36 MHz	500 kHz	Pass
	High Channel 5825 MHz	16.357 MHz	500 kHz	Pass
	802.11(a) 36 Mbps			
	20 MHz			
	Low Channel 5180 MHz	21.136 MHz	N/A	N/A
	High Channel 5240 MHz	21.205 MHz	N/A	N/A
	Low Channel 5745 MHz	16.433 MHz	500 kHz	Pass
	Mid Channel 5785 MHz	16.446 MHz	500 kHz	Pass
	High Channel 5825 MHz	16.452 MHz	500 kHz	Pass
	802.11(a) 54 Mbps			
	20 MHz			
	Low Channel 5180 MHz	22.544 MHz	N/A	N/A
	High Channel 5240 MHz	24.414 MHz	N/A	N/A
	Low Channel 5745 MHz	16.417 MHz	500 kHz	Pass
	Mid Channel 5785 MHz	16.459 MHz	500 kHz	Pass
	High Channel 5825 MHz	16.461 MHz	500 kHz	Pass
	802.11(n) MCS0			
	20 MHz			
	Low Channel 5180 MHz	22.468 MHz	N/A	N/A
	High Channel 5240 MHz	22.22 MHz	N/A	N/A
	Low Channel 5745 MHz	17.556 MHz	500 kHz	Pass
	Mid Channel 5785 MHz	17.581 MHz	500 kHz	Pass
	High Channel 5825 MHz	17.549 MHz	500 kHz	Pass
	40 MHz			

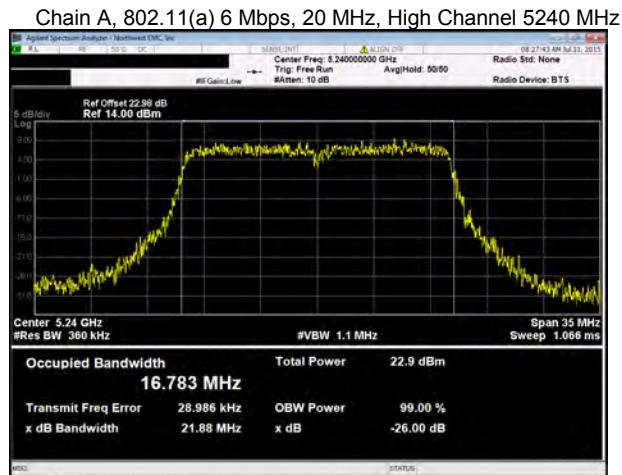
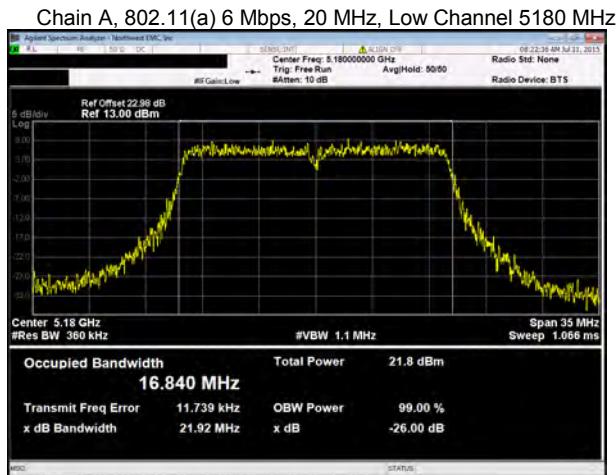
# EMISSION & OCCUPIED BANDWIDTH

		Value	Limit	Result
			(>)	
	Low Channel 5190 MHz	44.467 MHz	N/A	N/A
	High Channel 5230 MHz	45.054 MHz	N/A	N/A
	Low Channel 5755 MHz	36.058 MHz	500 kHz	Pass
	High Channel 5795 MHz	36.324 MHz	500 kHz	Pass
80 MHz				
	Low Channel 5210 MHz	86.405 MHz	N/A	N/A
	Low Channel 5775 MHz	75.754 MHz	500 kHz	Pass
802.11(n) MCS7				
20 MHz				
	Low Channel 5180 MHz	23.503 MHz	N/A	N/A
	High Channel 5240 MHz	22.838 MHz	N/A	N/A
	Low Channel 5745 MHz	17.671 MHz	500 kHz	Pass
	Mid Channel 5785 MHz	17.574 MHz	500 kHz	Pass
	High Channel 5825 MHz	17.557 MHz	500 kHz	Pass
40 MHz				
	Low Channel 5190 MHz	45.17 MHz	N/A	N/A
	High Channel 5230 MHz	45.86 MHz	N/A	N/A
	Low Channel 5755 MHz	36.068 MHz	500 kHz	Pass
	High Channel 5795 MHz	36.352 MHz	500 kHz	Pass
802.11(ac) MCS8 (256-QAM)				
20 MHz				
	Low Channel 5180 MHz	22.878 MHz	N/A	N/A
	High Channel 5240 MHz	23.032 MHz	N/A	N/A
	Low Channel 5745 MHz	17.689 MHz	500 kHz	Pass
	Mid Channel 5785 MHz	17.675 MHz	500 kHz	Pass
	High Channel 5825 MHz	17.657 MHz	500 kHz	Pass
802.11(ac) MCS9 (256-QAM)				
40 MHz				
	Low Channel 5190 MHz	47.929 MHz	N/A	N/A
	High Channel 5230 MHz	48.12 MHz	N/A	N/A
	Low Channel 5755 MHz	35.824 MHz	500 kHz	Pass
	High Channel 5795 MHz	36.277 MHz	500 kHz	Pass
80 MHz				
	Low Channel 5210 MHz	86.386 MHz	N/A	N/A
	Low Channel 5775 MHz	75.95 MHz	500 kHz	Pass

*Jonathan Kiefer*

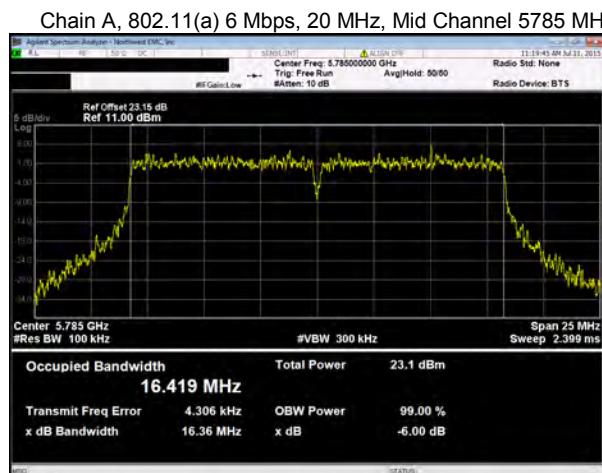
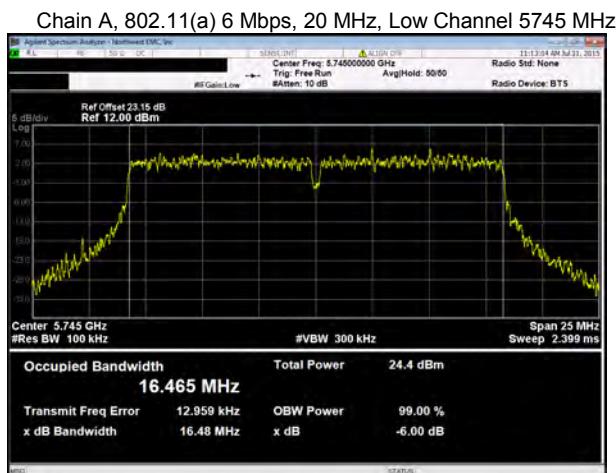
Tested By

# EMISSION & OCCUPIED BANDWIDTH



<b>Value</b>	21.919 MHz
<b>Limit (&gt;)</b>	N/A
<b>Result</b>	N/A

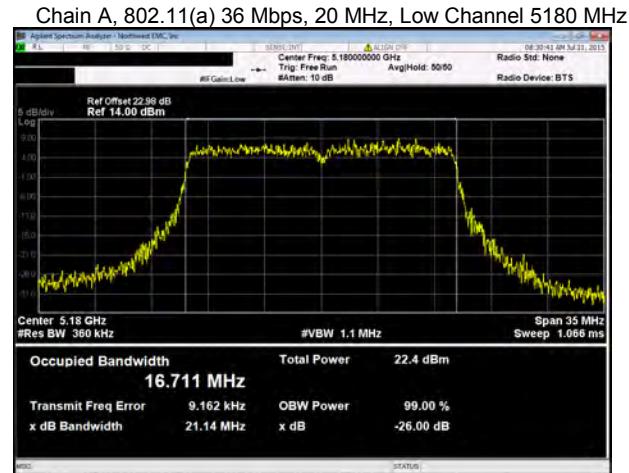
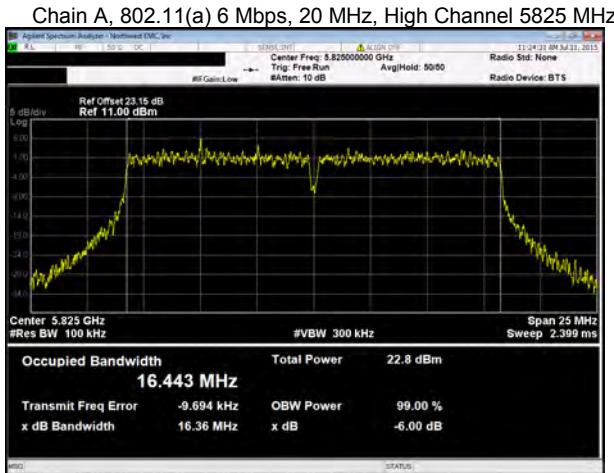
<b>Value</b>	21.876 MHz
<b>Limit (&gt;)</b>	N/A
<b>Result</b>	N/A



<b>Value</b>	16.481 MHz
<b>Limit (&gt;)</b>	500 kHz
<b>Result</b>	Pass

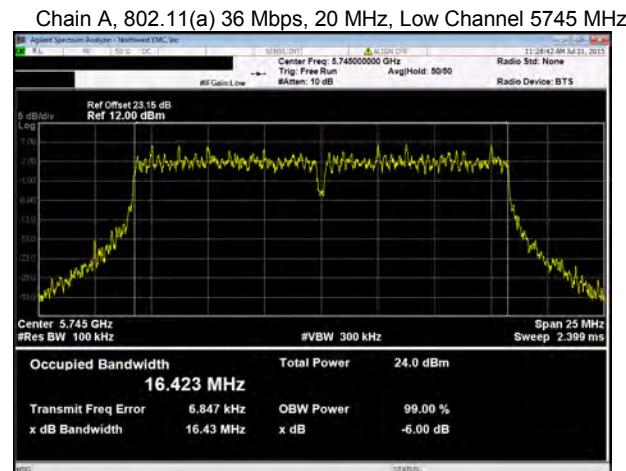
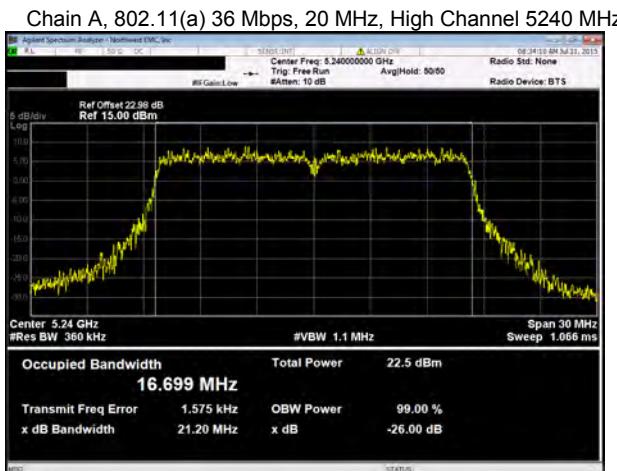
<b>Value</b>	16.36 MHz
<b>Limit (&gt;)</b>	500 kHz
<b>Result</b>	Pass

# EMISSION & OCCUPIED BANDWIDTH



<b>Value</b>	16.357 MHz
<b>Limit (&gt;)</b>	500 kHz
<b>Result</b>	Pass

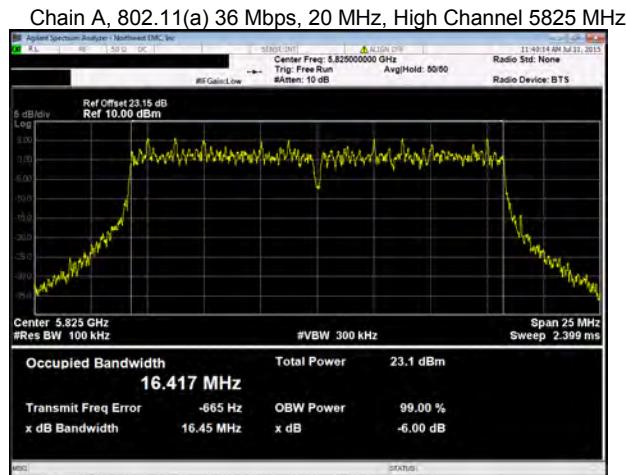
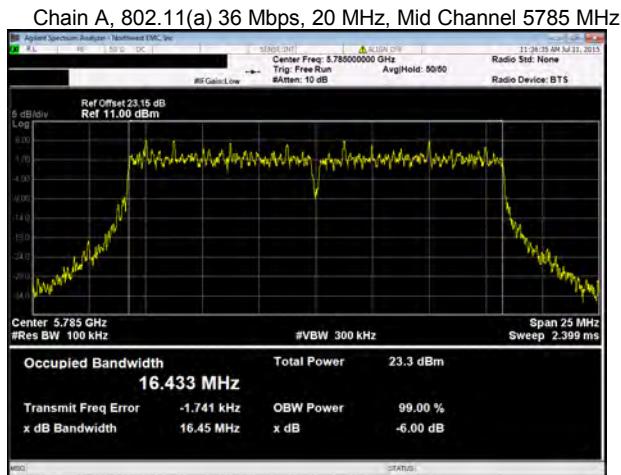
<b>Value</b>	21.136 MHz
<b>Limit (&gt;)</b>	N/A
<b>Result</b>	N/A



<b>Value</b>	21.205 MHz
<b>Limit (&gt;)</b>	N/A
<b>Result</b>	N/A

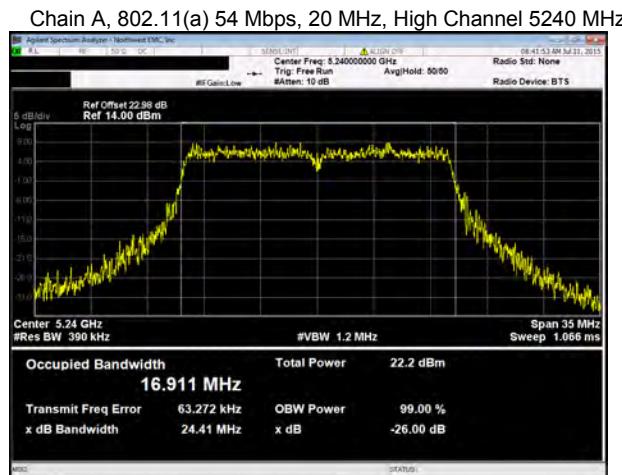
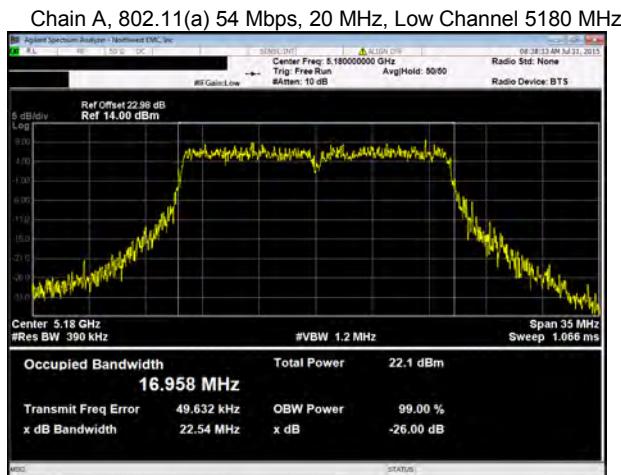
<b>Value</b>	16.433 MHz
<b>Limit (&gt;)</b>	500 kHz
<b>Result</b>	Pass

# EMISSION & OCCUPIED BANDWIDTH



Value	16.446 MHz
Limit (>)	500 kHz
Result	Pass

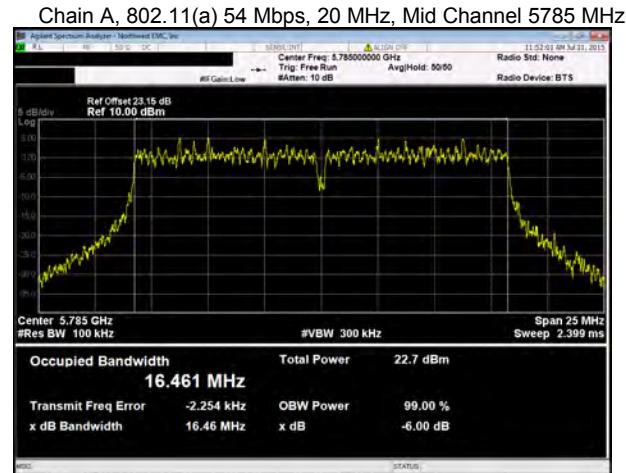
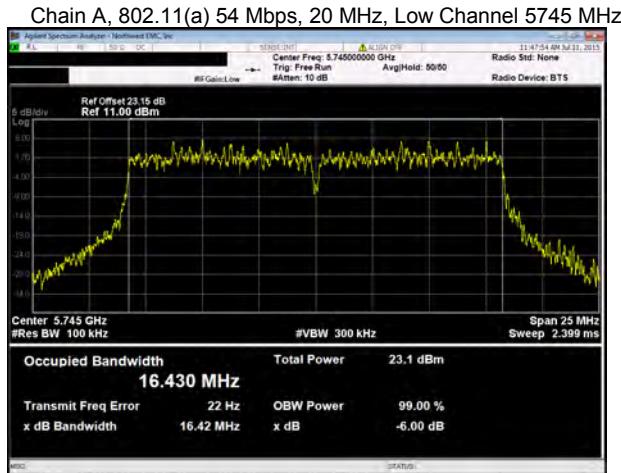
Value	16.452 MHz
Limit (>)	500 kHz
Result	Pass



Value	22.544 MHz
Limit (>)	N/A
Result	N/A

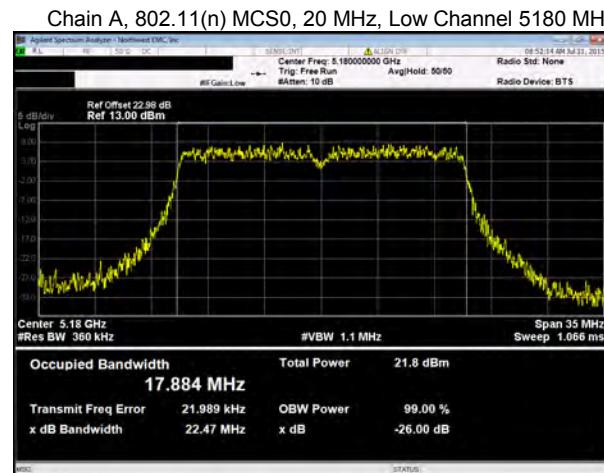
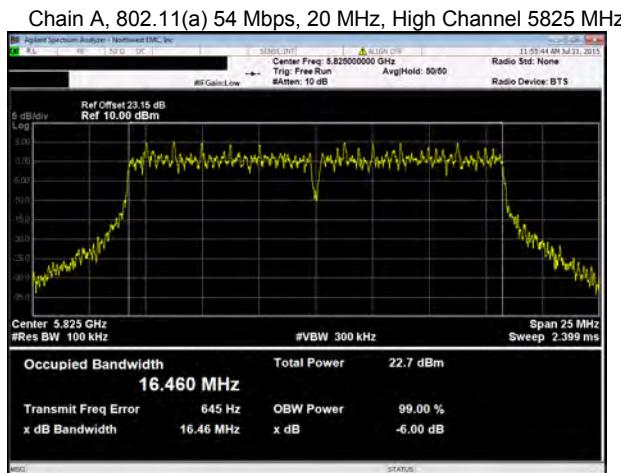
Value	24.414 MHz
Limit (>)	N/A
Result	N/A

# EMISSION & OCCUPIED BANDWIDTH



<b>Value</b>	16.417 MHz
<b>Limit (&gt;)</b>	500 kHz
<b>Result</b>	Pass

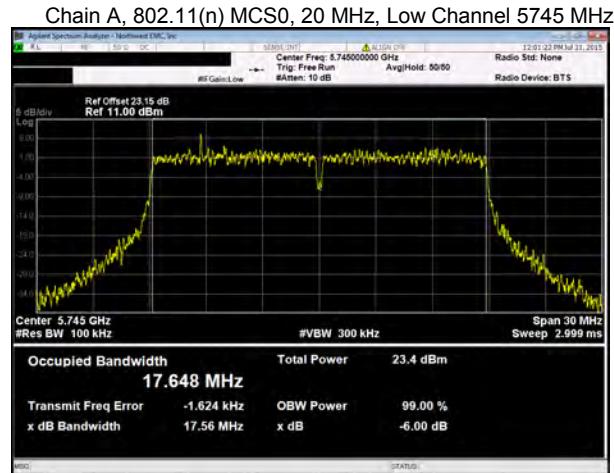
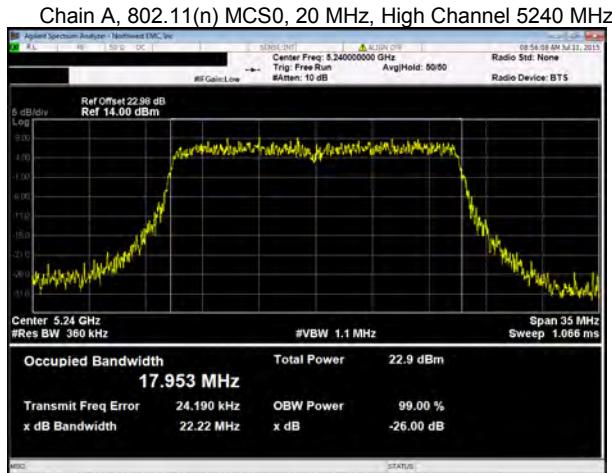
<b>Value</b>	16.459 MHz
<b>Limit (&gt;)</b>	500 kHz
<b>Result</b>	Pass



<b>Value</b>	16.461 MHz
<b>Limit (&gt;)</b>	500 kHz
<b>Result</b>	Pass

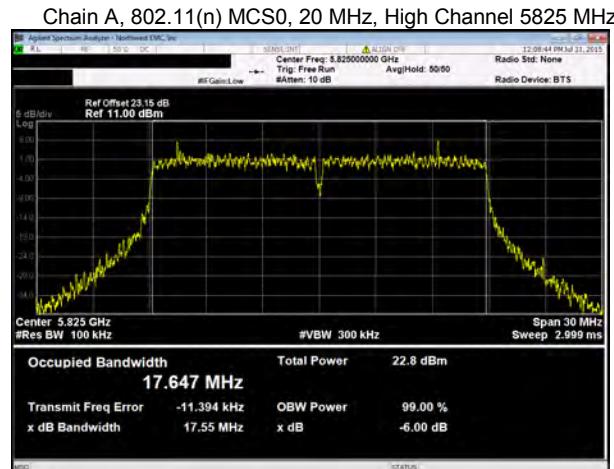
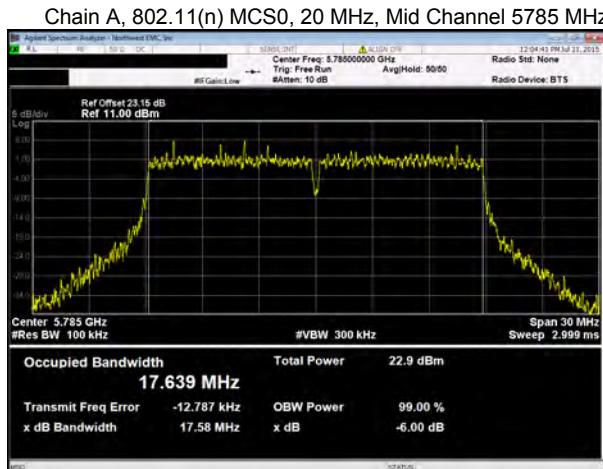
<b>Value</b>	22.468 MHz
<b>Limit (&gt;)</b>	N/A
<b>Result</b>	N/A

# EMISSION & OCCUPIED BANDWIDTH



Value	22.22 MHz
Limit (>)	N/A
Result	N/A

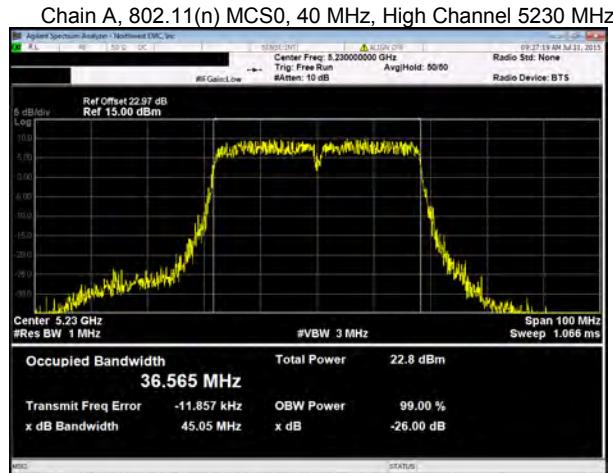
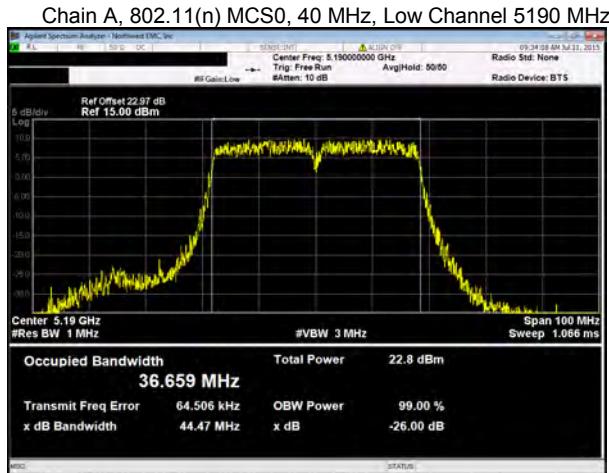
Value	17.556 MHz
Limit (>)	500 kHz
Result	Pass



Value	17.581 MHz
Limit (>)	500 kHz
Result	Pass

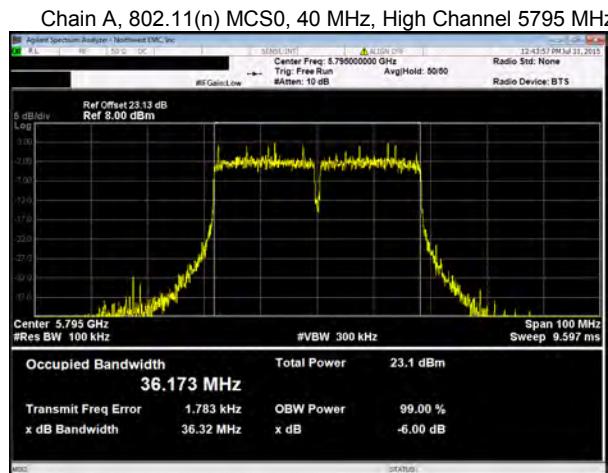
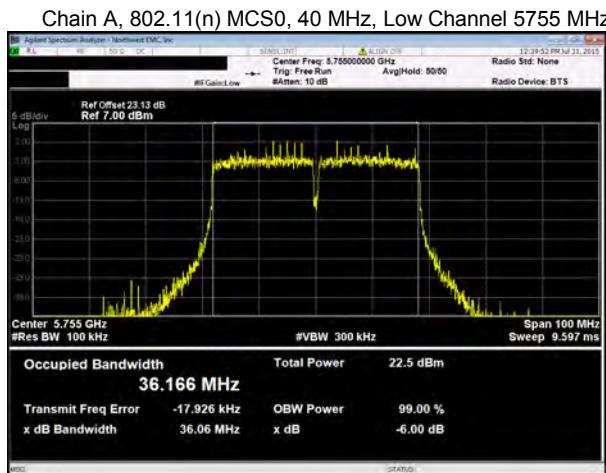
Value	17.549 MHz
Limit (>)	500 kHz
Result	Pass

# EMISSION & OCCUPIED BANDWIDTH



Value	44.467 MHz
Limit (>)	N/A
Result	N/A

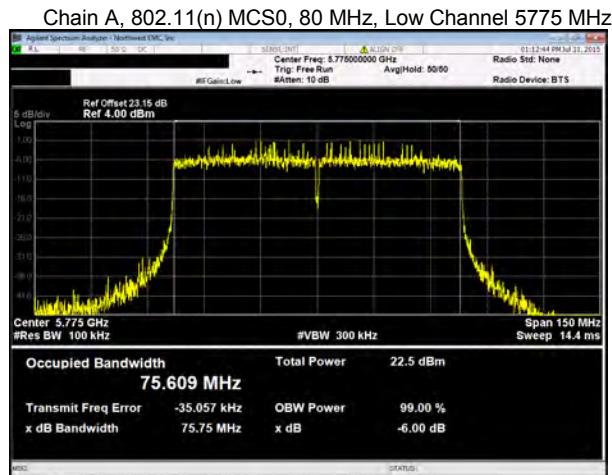
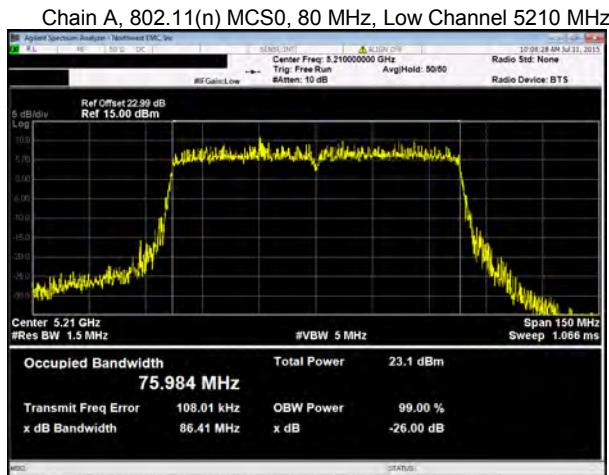
Value	45.054 MHz
Limit (>)	N/A
Result	N/A



Value	36.058 MHz
Limit (>)	500 kHz
Result	Pass

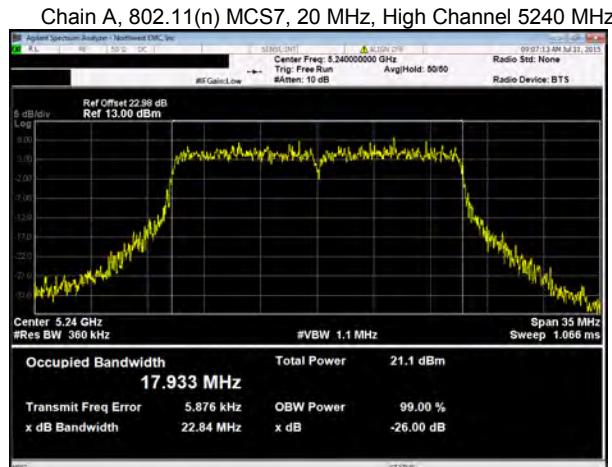
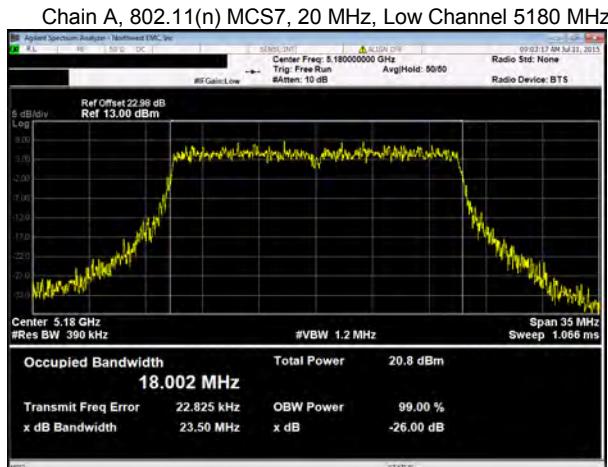
Value	36.324 MHz
Limit (>)	500 kHz
Result	Pass

# EMISSION & OCCUPIED BANDWIDTH



Value	86.405 MHz
Limit (>)	N/A
Result	N/A

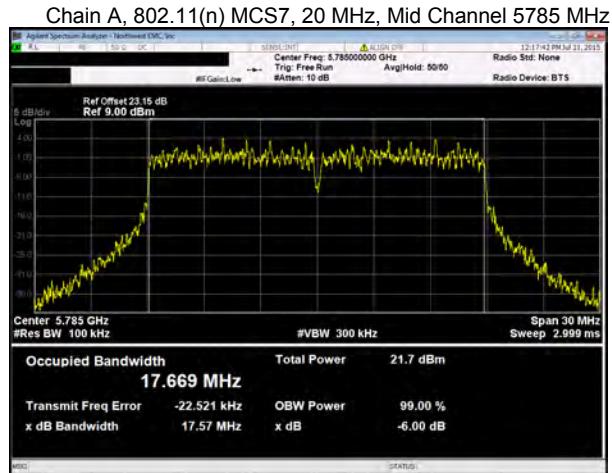
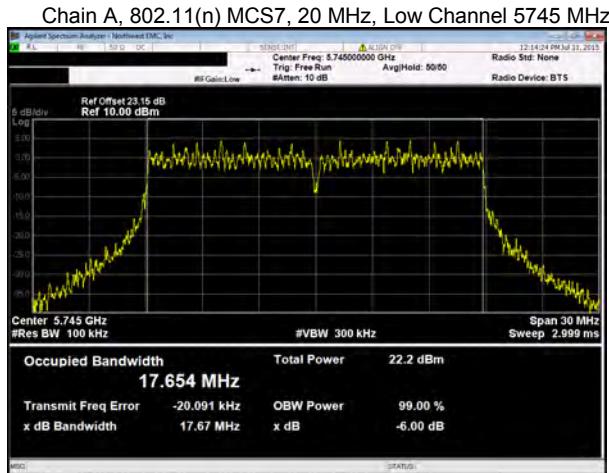
Value	75.754 MHz
Limit (>)	500 kHz
Result	Pass



Value	23.503 MHz
Limit (>)	N/A
Result	N/A

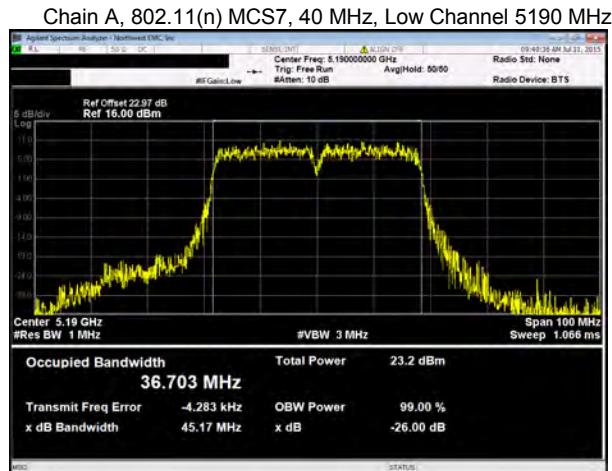
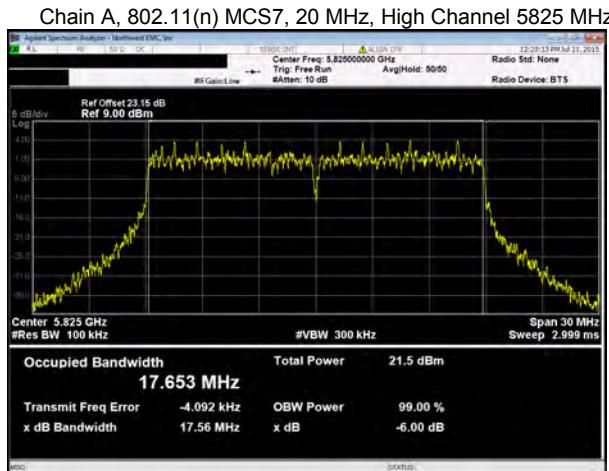
Value	22.838 MHz
Limit (>)	N/A
Result	N/A

# EMISSION & OCCUPIED BANDWIDTH



Value	17.671 MHz
Limit (>)	500 kHz
Result	Pass

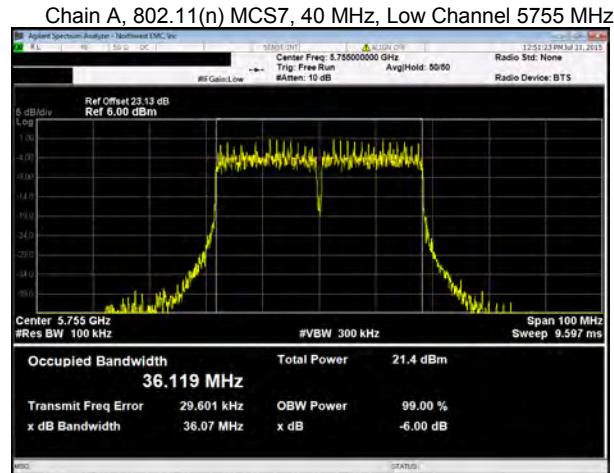
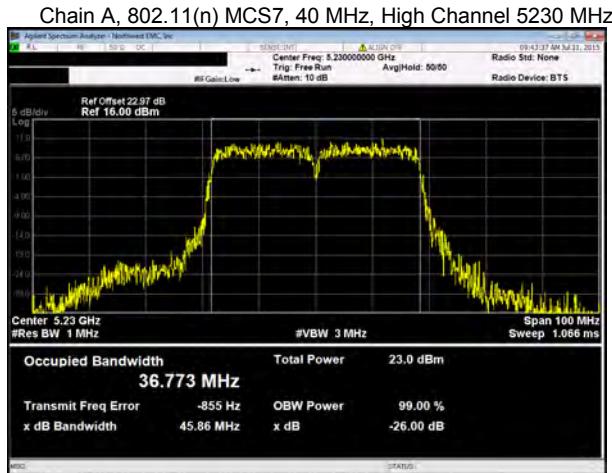
Value	17.574 MHz
Limit (>)	500 kHz
Result	Pass



Value	17.557 MHz
Limit (>)	500 kHz
Result	Pass

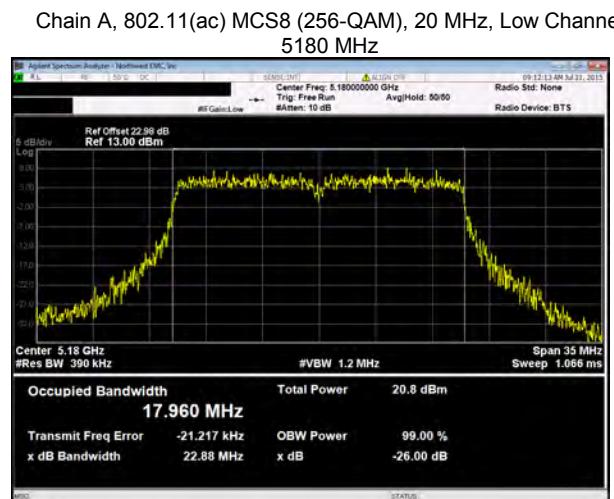
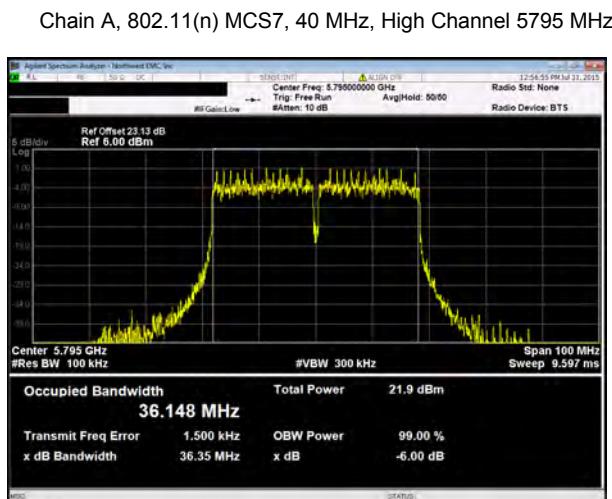
Value	45.17 MHz
Limit (>)	N/A
Result	N/A

# EMISSION & OCCUPIED BANDWIDTH



<b>Value</b>	45.86 MHz
<b>Limit (&gt;)</b>	N/A
<b>Result</b>	N/A

<b>Value</b>	36.068 MHz
<b>Limit (&gt;)</b>	500 kHz
<b>Result</b>	Pass

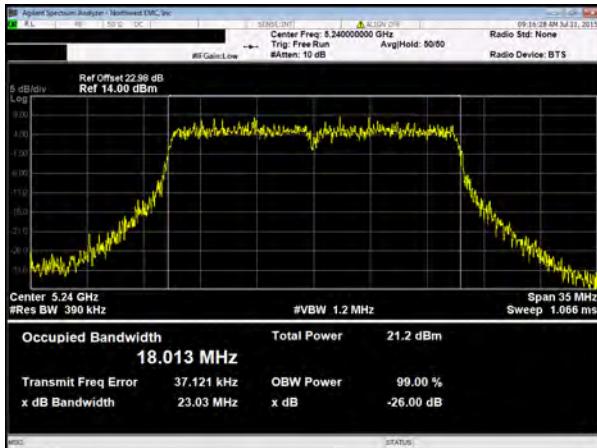


<b>Value</b>	36.352 MHz
<b>Limit (&gt;)</b>	500 kHz
<b>Result</b>	Pass

<b>Value</b>	22.878 MHz
<b>Limit (&gt;)</b>	N/A
<b>Result</b>	N/A

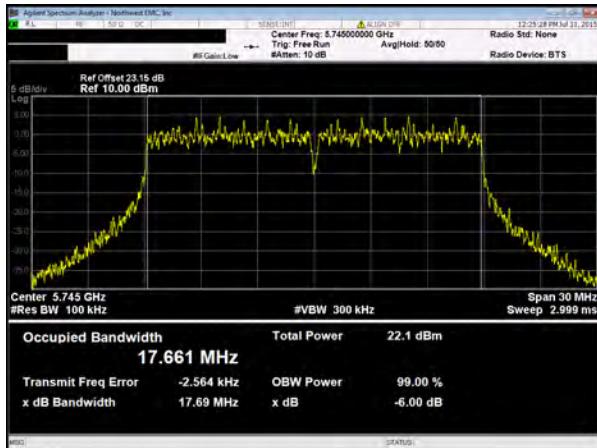
# EMISSION & OCCUPIED BANDWIDTH

Chain A, 802.11(ac) MCS8 (256-QAM), 20 MHz, High Channel 5240 MHz



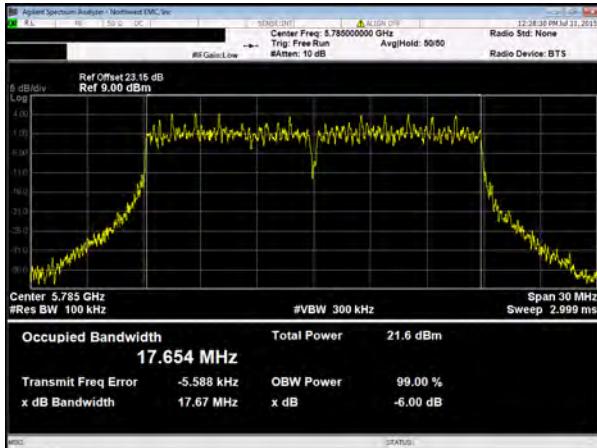
Value	23.032 MHz
Limit (>)	N/A
Result	N/A

Chain A, 802.11(ac) MCS8 (256-QAM), 20 MHz, Low Channel 5745 MHz



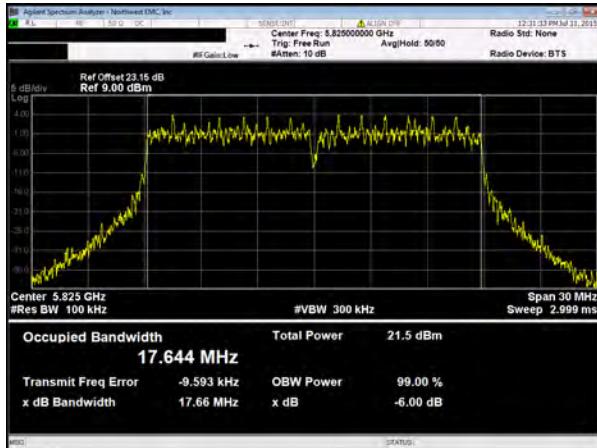
Value	17.689 MHz
Limit (>)	500 kHz
Result	Pass

Chain A, 802.11(ac) MCS8 (256-QAM), 20 MHz, Mid Channel 5785 MHz



Value	17.675 MHz
Limit (>)	500 kHz
Result	Pass

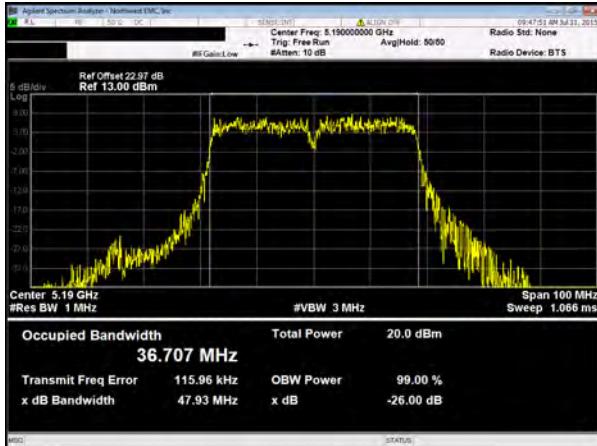
Chain A, 802.11(ac) MCS8 (256-QAM), 20 MHz, High Channel 5825 MHz



Value	17.657 MHz
Limit (>)	500 kHz
Result	Pass

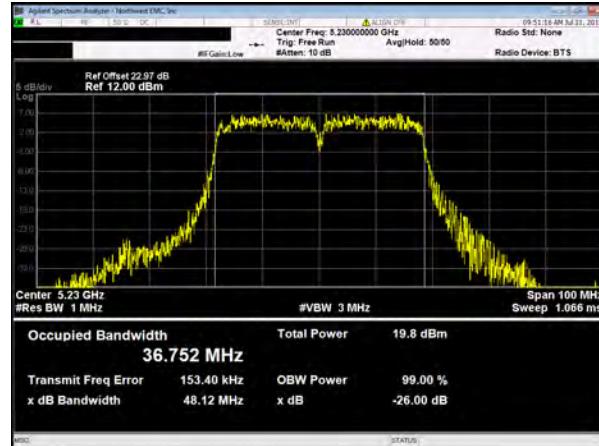
# EMISSION & OCCUPIED BANDWIDTH

Chain A, 802.11(ac) MCS9 (256-QAM), 40 MHz, Low Channel  
5190 MHz



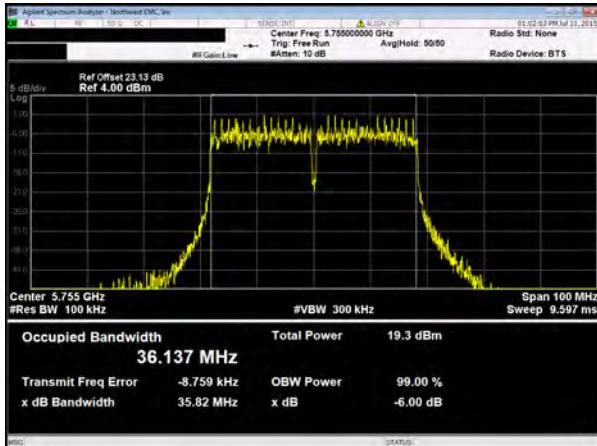
Value	47.929 MHz
Limit (>)	N/A
Result	N/A

Chain A, 802.11(ac) MCS9 (256-QAM), 40 MHz, High Channel  
5230 MHz



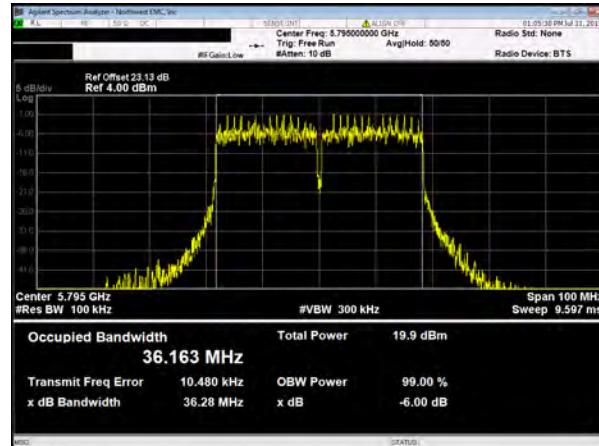
Value	48.12 MHz
Limit (>)	N/A
Result	N/A

Chain A, 802.11(ac) MCS9 (256-QAM), 40 MHz, Low Channel  
5755 MHz



Value	35.824 MHz
Limit (>)	500 kHz
Result	Pass

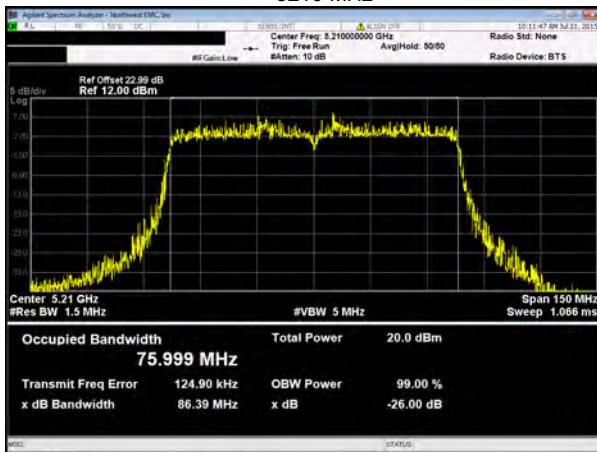
Chain A, 802.11(ac) MCS9 (256-QAM), 40 MHz, High Channel  
5795 MHz



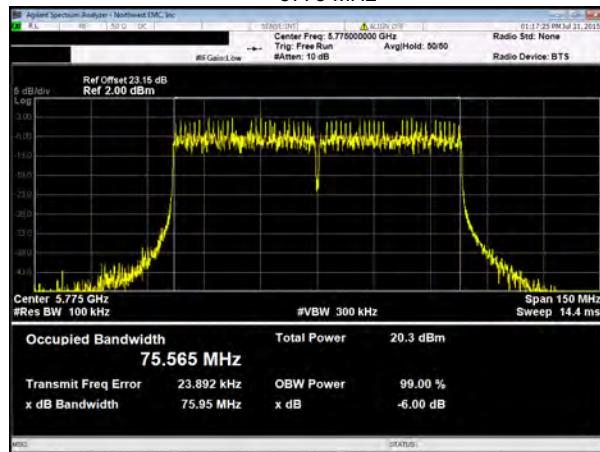
Value	36.277 MHz
Limit (>)	500 kHz
Result	Pass

# EMISSION & OCCUPIED BANDWIDTH

Chain A, 802.11(ac) MCS9 (256-QAM), 80 MHz, Low Channel  
5210 MHz



Chain A, 802.11(ac) MCS9 (256-QAM), 80 MHz, Low Channel  
5775 MHz



<b>Value</b>	86.386 MHz
<b>Limit (&gt;)</b>	N/A
<b>Result</b>	N/A

<b>Value</b>	75.95 MHz
<b>Limit (&gt;)</b>	500 kHz
<b>Result</b>	Pass

# EMISSION & OCCUPIED BANDWIDTH

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

## TEST DESCRIPTION

5.2GHz band

FCC KDB 789033 General UNII Test Procedures were followed.

The transmit frequencies and data rates listed in the datasheet were measured in each band utilized by the radio. A direct connection was made between the RF output of the EUT and a spectrum analyzer. Attenuation and a DC block were used. The reference level offset on the spectrum analyzer was adjusted to compensate for cable loss and the external attenuation used between the RF output and the spectrum analyzer input.

The spectrum analyzer settings were as follows:

- RBW = Approx. 1% of the emission bandwidth (B).
- VBW = > RBW
- Detector = Peak
- Trace mode = max hold

The spectrum analyzer occupied bandwidth measurement function was then used to measure 26 dB emission bandwidth.

There is no required limit to be met in the rule part for the 5.2GHz band. The purpose of the test is to both report the results as required by the KDB, and to utilize the emission bandwidth for setting the channel power integration bandwidth during conducted output power testing.

5.8GHz band

FCC KDB 789033 General UNII Test Procedures were followed to measure the minimum emission bandwidth for the 5.725-5.85 GHz band.

The transmit frequencies and data rates listed in the datasheet were measured in each band utilized by the radio. The transmit power was set to its default maximum.

A direct connection was made between the RF output of the EUT and a spectrum analyzer. Attenuation and a DC block were used. The reference level offset on the spectrum analyzer was adjusted to compensate for cable loss and the external attenuation used between the RF output and the spectrum analyzer input.

The spectrum analyzer settings were as follows:

RBW = 100 kHz  
VBW =  $\geq$  3x RBW  
Detector = Peak  
Trace mode = max hold

The spectrum analyzer occupied bandwidth measurement function was then used to measure 6 dB emission bandwidth.

## TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Spectrum Analyzer	Agilent	N9010A	AFL	9/20/2014	9/20/2015
DC Block, 40 GHz	Fairview Microwave	SD3379	AMM	2/27/2015	2/27/2016
Attenuator, 20dB, 40 GHz	Fairview Microwave	SA4018-20	TQY	2/27/2015	2/27/2016
Signal Generator, 40 GHz	Agilent	N5173B	TIW	7/15/2014	7/15/2017

# EMISSION & OCCUPIED BANDWIDTH

EUT:	Firebox T50-W (BS5AE7W)	Work Order:	VDEI0009
Serial Number:	70AF00069-3EB6	Date:	08/03/15
Customer:	WatchGuard Technologies, Inc.	Temperature:	25.5°C
Attendees:	None	Relative Humidity:	44%
Customer Project:	None	Bar. Pressure:	1014 mbar
Tested By:	Jonathan Kiefer	Job Site:	TX09
Power:	110VAC/60Hz	Configuration:	1

## TEST SPECIFICATIONS

Specification:	Method:
FCC 15.407:2015	ANSI C63.10:2013

## COMMENTS

Chain B corresponds to Chain 1.

## DEVIATIONS FROM TEST STANDARD

None

## RESULTS

		Value	Limit	
			(>)	Result
Chain B				
	802.11(a) 6 Mbps			
	20 MHz			
	Low Channel 5180 MHz	22.099 MHz	N/A	N/A
	High Channel 5240 MHz	21.937 MHz	N/A	N/A
	Low Channel 5745 MHz	16.34 MHz	500 kHz	Pass
	Mid Channel 5785 MHz	16.326 MHz	500 kHz	Pass
	High Channel 5825 MHz	16.378 MHz	500 kHz	Pass
	802.11(a) 36 Mbps			
	20 MHz			
	Low Channel 5180 MHz	20.166 MHz	N/A	N/A
	High Channel 5240 MHz	20.466 MHz	N/A	N/A
	Low Channel 5745 MHz	16.427 MHz	500 kHz	Pass
	Mid Channel 5785 MHz	16.359 MHz	500 kHz	Pass
	High Channel 5825 MHz	16.452 MHz	500 kHz	Pass
	802.11(a) 54 Mbps			
	20 MHz			
	Low Channel 5180 MHz	22.845 MHz	N/A	N/A
	High Channel 5240 MHz	21.91 MHz	N/A	N/A
	Low Channel 5745 MHz	16.461 MHz	500 kHz	Pass
	Mid Channel 5785 MHz	16.397 MHz	500 kHz	Pass
	High Channel 5825 MHz	16.383 MHz	500 kHz	Pass
	802.11(n) HT, MCS0			
	20 MHz			
	Low Channel 5180 MHz	22.468 MHz	N/A	N/A
	High Channel 5240 MHz	22.173 MHz	N/A	N/A
	Low Channel 5745 MHz	17.574 MHz	500 kHz	Pass
	Mid Channel 5785 MHz	17.593 MHz	500 kHz	Pass
	High Channel 5825 MHz	17.026 MHz	500 kHz	Pass
	40 MHz			

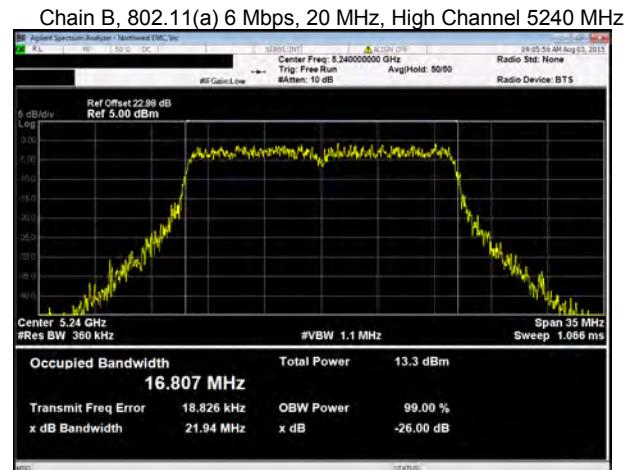
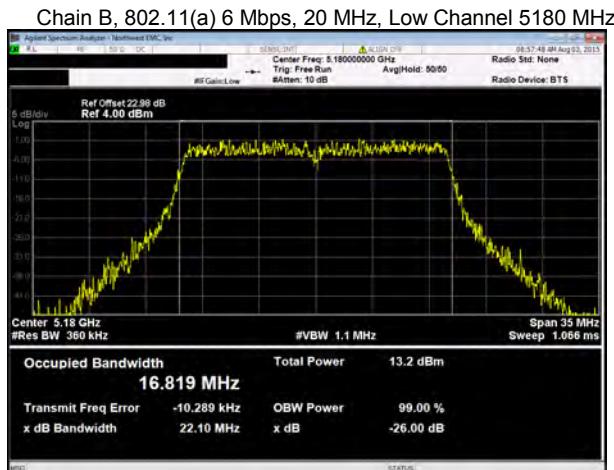
# EMISSION & OCCUPIED BANDWIDTH

		Value	Limit (>)	Result
	Low Channel 5190 MHz	44.47 MHz	N/A	N/A
	High Channel 5230 MHz	45.348 MHz	N/A	N/A
	Low Channel 5755 MHz	35.417 MHz	500 kHz	Pass
	High Channel 5795 MHz	36.272 MHz	500 kHz	Pass
80 MHz				
	Low Channel 5210 MHz	86.83 MHz	N/A	N/A
	Low Channel 5775 MHz	74.836 MHz	500 kHz	Pass
802.11(n) HT, MCS7				
20 MHz				
	Low Channel 5180 MHz	23.686 MHz	N/A	N/A
	High Channel 5240 MHz	22.769 MHz	N/A	N/A
	Low Channel 5745 MHz	17.677 MHz	500 kHz	Pass
	Mid Channel 5785 MHz	17.586 MHz	500 kHz	Pass
	High Channel 5825 MHz	17.672 MHz	500 kHz	Pass
40 MHz				
	Low Channel 5190 MHz	45.248 MHz	N/A	N/A
	High Channel 5230 MHz	46.102 MHz	N/A	N/A
	Low Channel 5755 MHz	36.339 MHz	500 kHz	Pass
	High Channel 5795 MHz	36.196 MHz	500 kHz	Pass
802.11(ac) VHT, MCS8 (256-QAM)				
20 MHz				
	Low Channel 5180 MHz	22.93 MHz	N/A	N/A
	High Channel 5240 MHz	22.999 MHz	N/A	N/A
	Low Channel 5745 MHz	17.617 MHz	500 kHz	Pass
	Mid Channel 5785 MHz	17.666 MHz	500 kHz	Pass
	High Channel 5825 MHz	17.671 MHz	500 kHz	Pass
40 MHz				
	Low Channel 5190 MHz	47.095 MHz	N/A	N/A
	High Channel 5230 MHz	47.304 MHz	N/A	N/A
	Low Channel 5755 MHz	36.073 MHz	500 kHz	Pass
	High Channel 5795 MHz	35.733 MHz	500 kHz	Pass
80 MHz				
	Low Channel 5210 MHz	88.153 MHz	N/A	N/A
	Low Channel 5775 MHz	75.464 MHz	500 kHz	Pass

*Jonathan Kiefer*

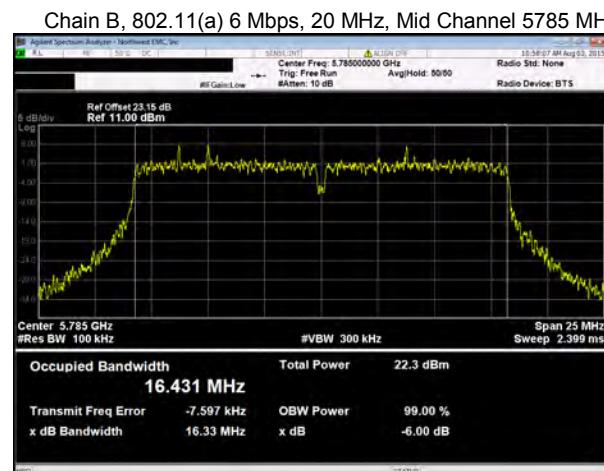
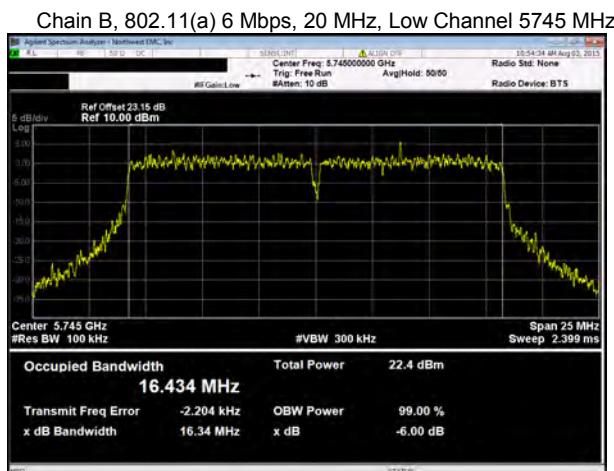
Tested By

# EMISSION & OCCUPIED BANDWIDTH



<b>Value</b>	22.099 MHz
<b>Limit (&gt;)</b>	N/A
<b>Result</b>	N/A

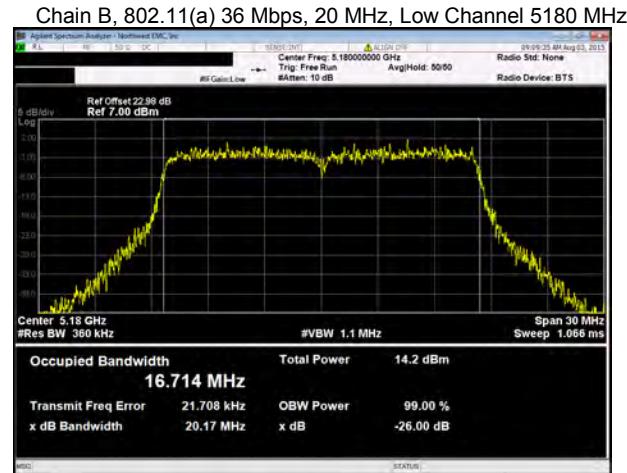
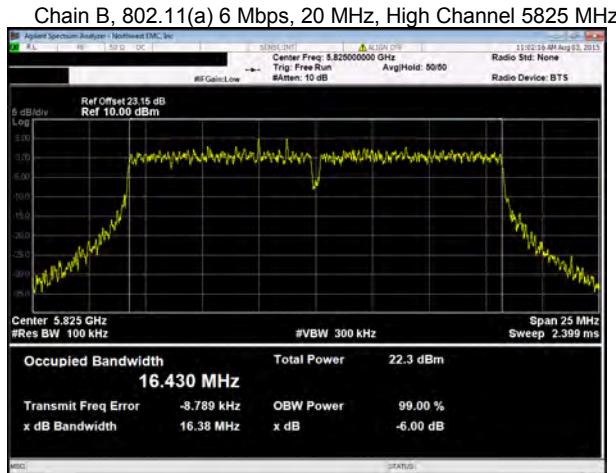
<b>Value</b>	21.937 MHz
<b>Limit (&gt;)</b>	N/A
<b>Result</b>	N/A



<b>Value</b>	16.34 MHz
<b>Limit (&gt;)</b>	500 kHz
<b>Result</b>	Pass

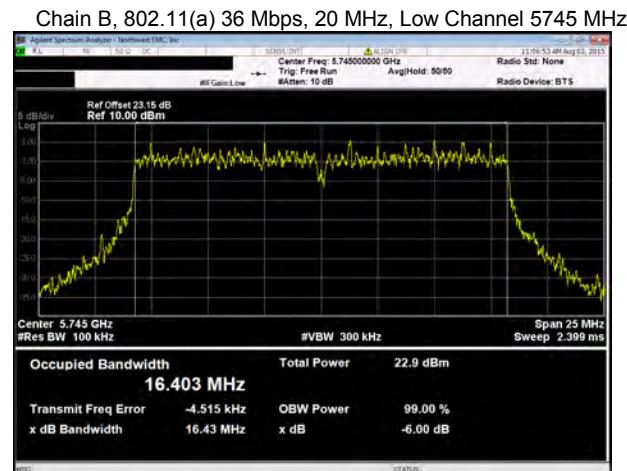
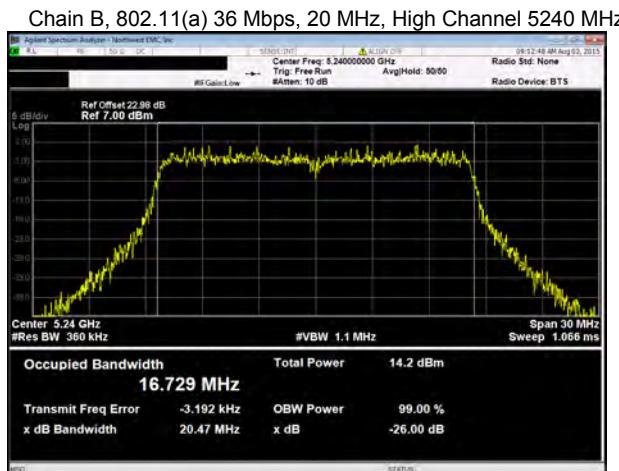
<b>Value</b>	16.326 MHz
<b>Limit (&gt;)</b>	500 kHz
<b>Result</b>	Pass

# EMISSION & OCCUPIED BANDWIDTH



<b>Value</b>	16.378 MHz
<b>Limit (&gt;)</b>	500 kHz
<b>Result</b>	Pass

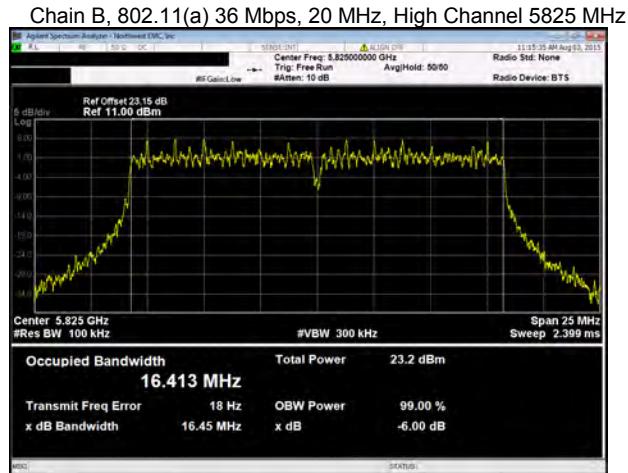
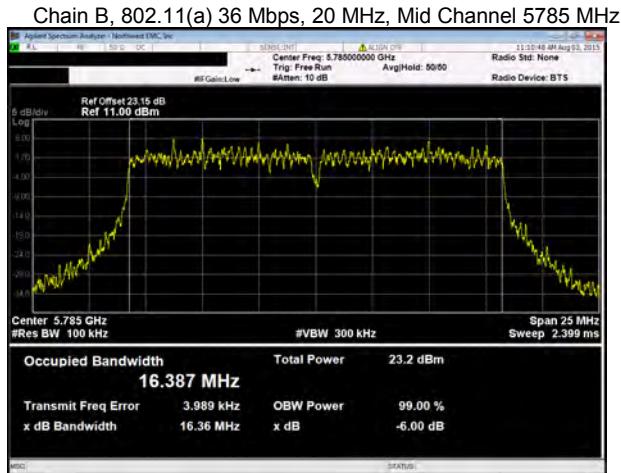
<b>Value</b>	20.166 MHz
<b>Limit (&gt;)</b>	N/A
<b>Result</b>	N/A



<b>Value</b>	20.466 MHz
<b>Limit (&gt;)</b>	N/A
<b>Result</b>	N/A

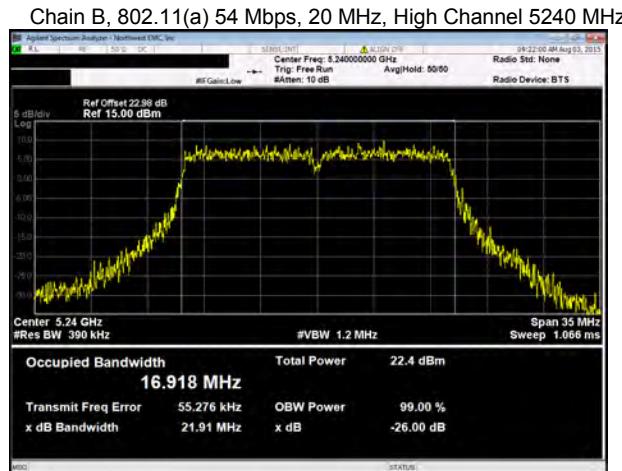
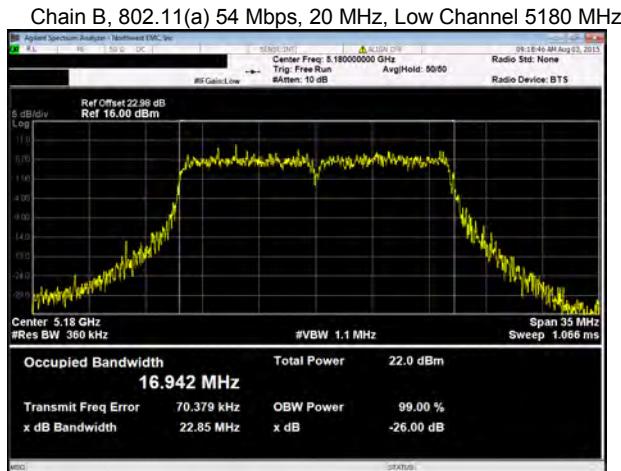
<b>Value</b>	16.427 MHz
<b>Limit (&gt;)</b>	500 kHz
<b>Result</b>	Pass

# EMISSION & OCCUPIED BANDWIDTH



Value	16.359 MHz
Limit (>)	500 kHz
Result	Pass

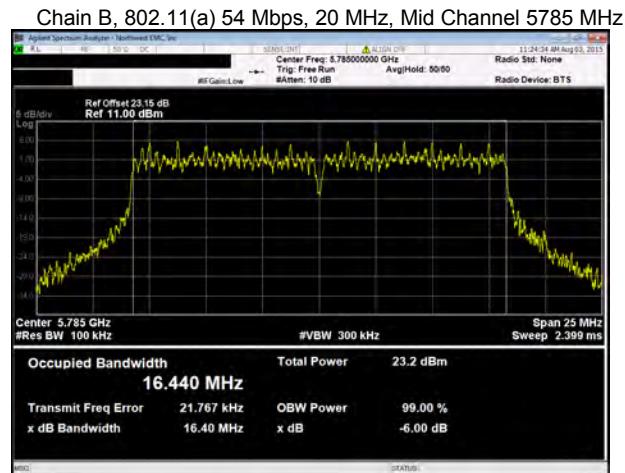
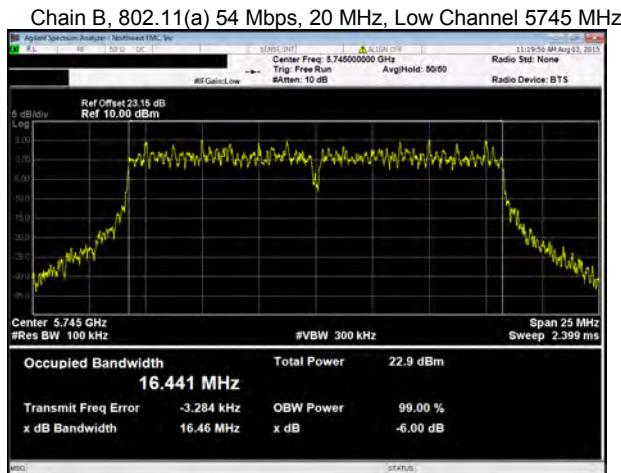
Value	16.452 MHz
Limit (>)	500 kHz
Result	Pass



Value	22.845 MHz
Limit (>)	N/A
Result	N/A

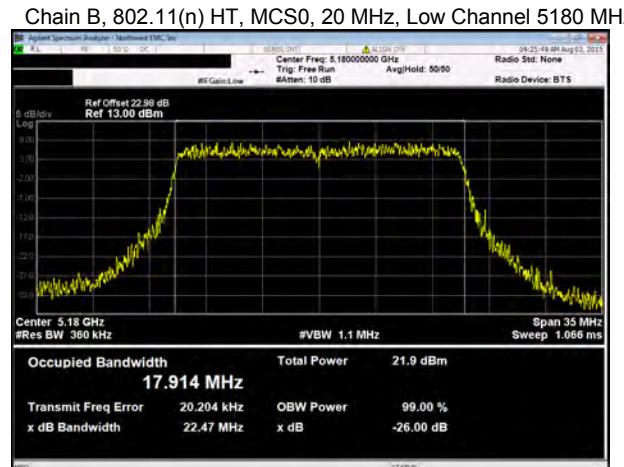
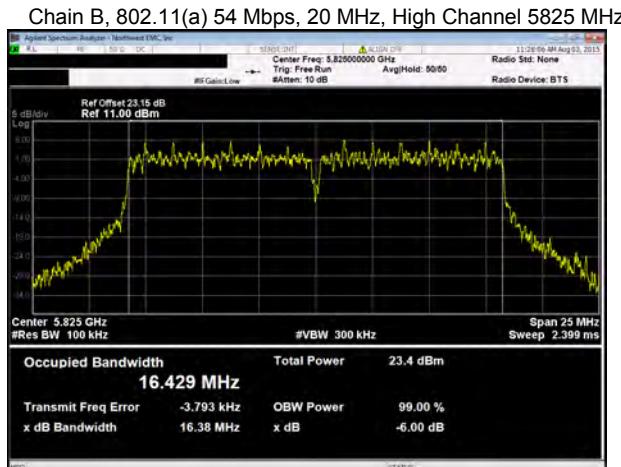
Value	21.91 MHz
Limit (>)	N/A
Result	N/A

# EMISSION & OCCUPIED BANDWIDTH



<b>Value</b>	16.461 MHz
<b>Limit (&gt;)</b>	500 kHz
<b>Result</b>	Pass

<b>Value</b>	16.397 MHz
<b>Limit (&gt;)</b>	500 kHz
<b>Result</b>	Pass

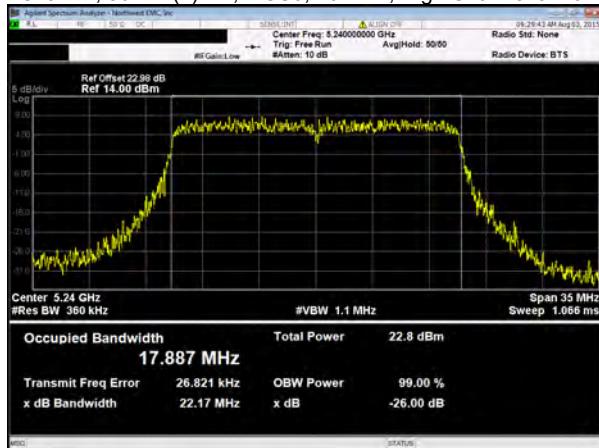


<b>Value</b>	16.383 MHz
<b>Limit (&gt;)</b>	500 kHz
<b>Result</b>	Pass

<b>Value</b>	22.468 MHz
<b>Limit (&gt;)</b>	N/A
<b>Result</b>	N/A

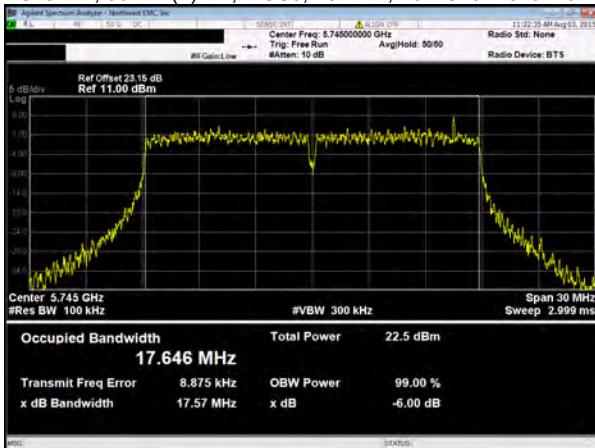
# EMISSION & OCCUPIED BANDWIDTH

Chain B, 802.11(n) HT, MCS0, 20 MHz, High Channel 5240 MHz



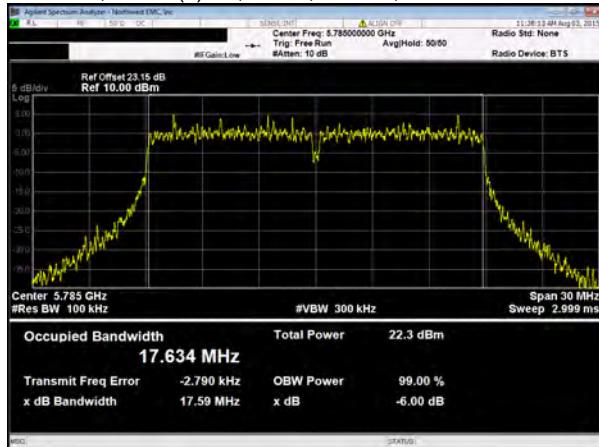
<b>Value</b>	22.173 MHz
<b>Limit (&gt;)</b>	N/A
<b>Result</b>	N/A

Chain B, 802.11(n) HT, MCS0, 20 MHz, Low Channel 5745 MHz



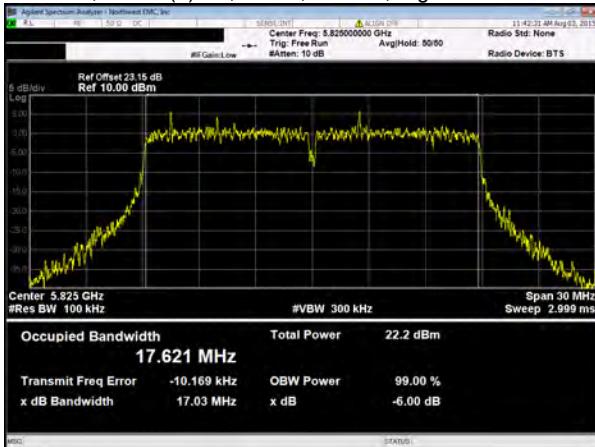
<b>Value</b>	17.574 MHz
<b>Limit (&gt;)</b>	500 kHz
<b>Result</b>	Pass

Chain B, 802.11(n) HT, MCS0, 20 MHz, Mid Channel 5785 MHz



<b>Value</b>	17.593 MHz
<b>Limit (&gt;)</b>	500 kHz
<b>Result</b>	Pass

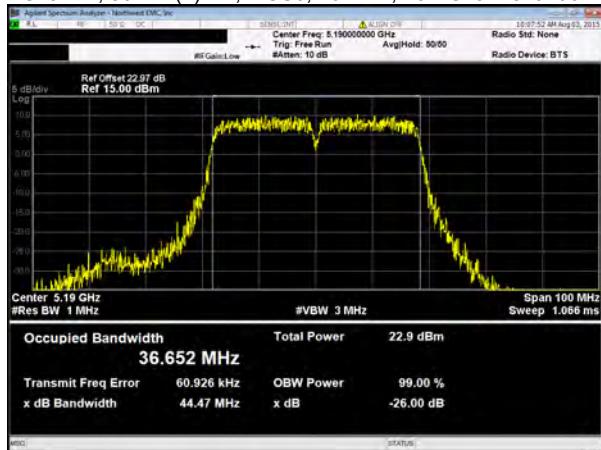
Chain B, 802.11(n) HT, MCS0, 20 MHz, High Channel 5825 MHz



<b>Value</b>	17.026 MHz
<b>Limit (&gt;)</b>	500 kHz
<b>Result</b>	Pass

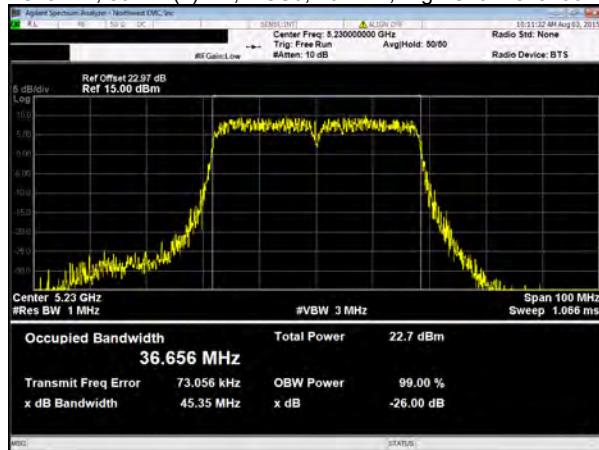
# EMISSION & OCCUPIED BANDWIDTH

Chain B, 802.11(n) HT, MCS0, 40 MHz, Low Channel 5190 MHz



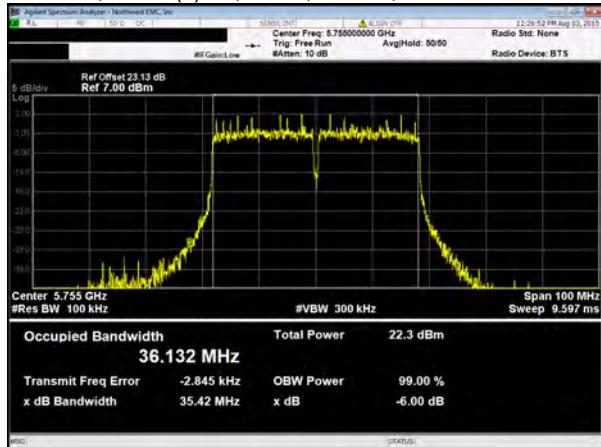
<b>Value</b>	44.47 MHz
<b>Limit (&gt;)</b>	N/A
<b>Result</b>	N/A

Chain B, 802.11(n) HT, MCS0, 40 MHz, High Channel 5230 MHz



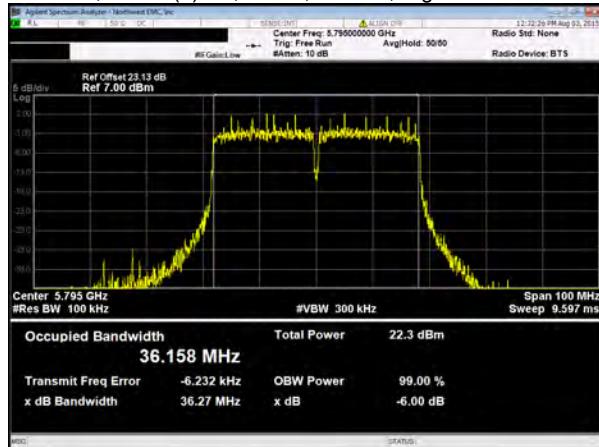
<b>Value</b>	45.348 MHz
<b>Limit (&gt;)</b>	N/A
<b>Result</b>	N/A

Chain B, 802.11(n) HT, MCS0, 40 MHz, Low Channel 5755 MHz



<b>Value</b>	35.417 MHz
<b>Limit (&gt;)</b>	500 kHz
<b>Result</b>	Pass

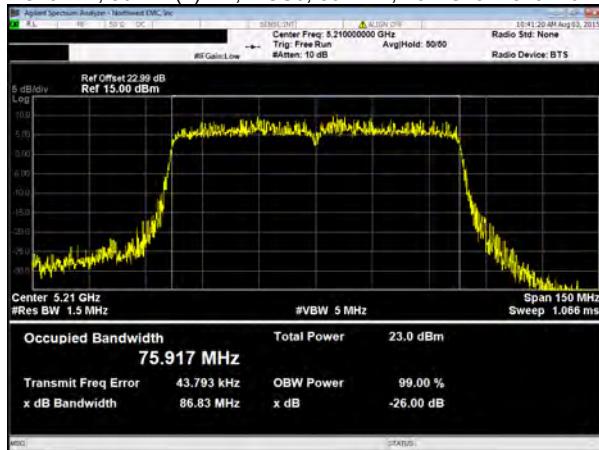
Chain B, 802.11(n) HT, MCS0, 40 MHz, High Channel 5795 MHz



<b>Value</b>	36.272 MHz
<b>Limit (&gt;)</b>	500 kHz
<b>Result</b>	Pass

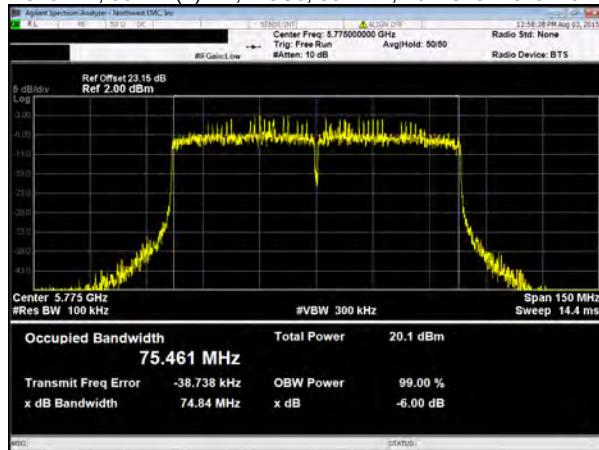
# EMISSION & OCCUPIED BANDWIDTH

Chain B, 802.11(n) HT, MCS0, 80 MHz, Low Channel 5210 MHz



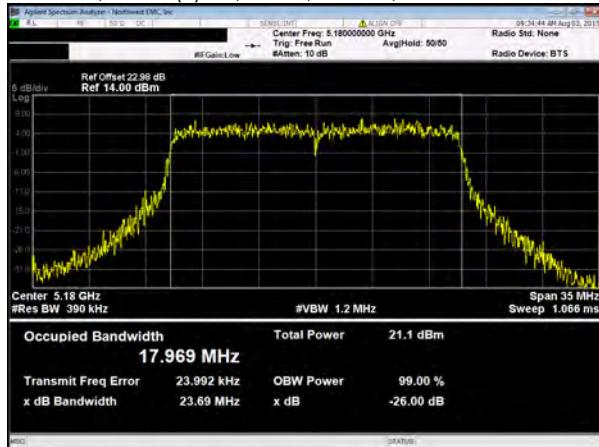
<b>Value</b>	86.83 MHz
<b>Limit (&gt;)</b>	N/A
<b>Result</b>	N/A

Chain B, 802.11(n) HT, MCS0, 80 MHz, Low Channel 5775 MHz



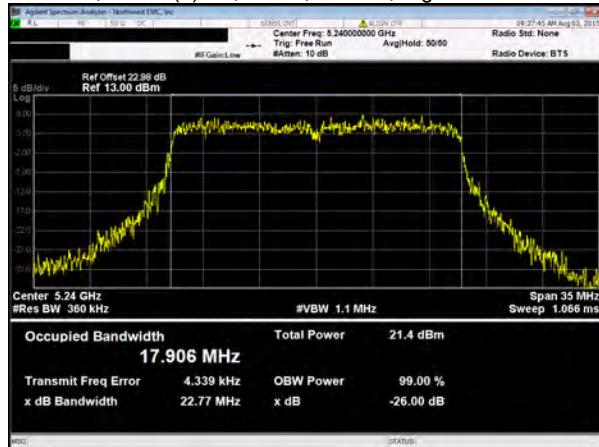
<b>Value</b>	74.836 MHz
<b>Limit (&gt;)</b>	500 kHz
<b>Result</b>	Pass

Chain B, 802.11(n) HT, MCS7, 20 MHz, Low Channel 5180 MHz



<b>Value</b>	23.686 MHz
<b>Limit (&gt;)</b>	N/A
<b>Result</b>	N/A

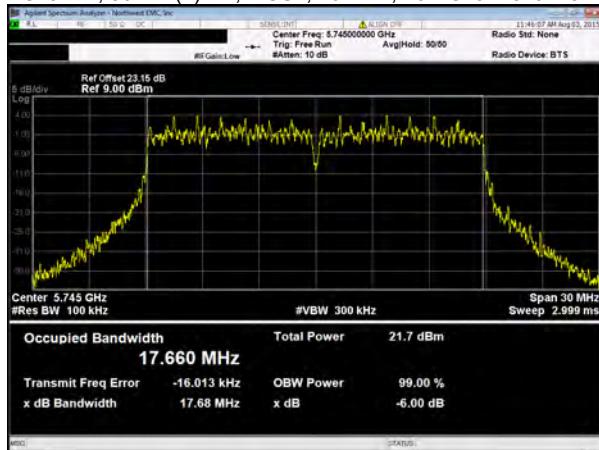
Chain B, 802.11(n) HT, MCS7, 20 MHz, High Channel 5240 MHz



<b>Value</b>	22.769 MHz
<b>Limit (&gt;)</b>	N/A
<b>Result</b>	N/A

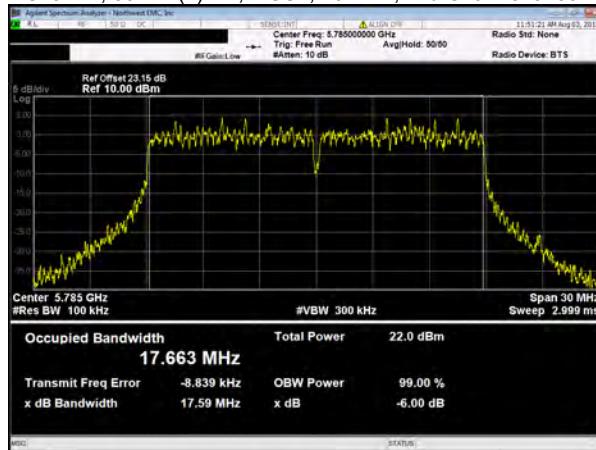
# EMISSION & OCCUPIED BANDWIDTH

Chain B, 802.11(n) HT, MCS7, 20 MHz, Low Channel 5745 MHz



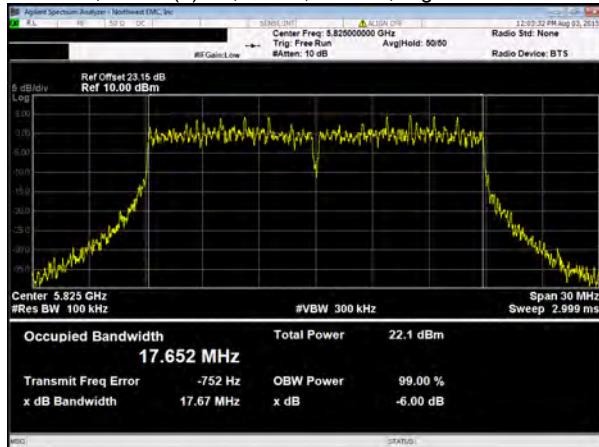
<b>Value</b>	17.677 MHz
<b>Limit (&gt;)</b>	500 kHz
<b>Result</b>	Pass

Chain B, 802.11(n) HT, MCS7, 20 MHz, Mid Channel 5785 MHz



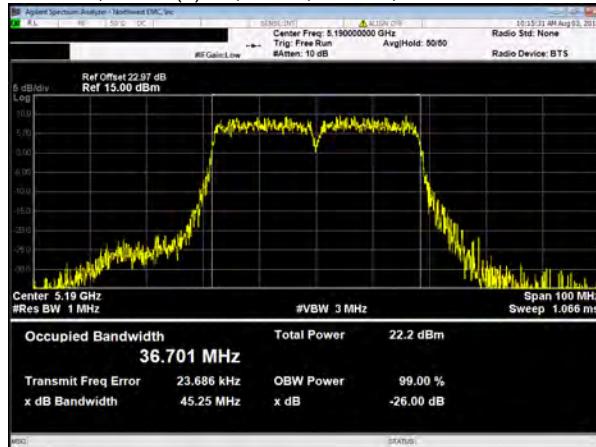
<b>Value</b>	17.586 MHz
<b>Limit (&gt;)</b>	500 kHz
<b>Result</b>	Pass

Chain B, 802.11(n) HT, MCS7, 20 MHz, High Channel 5825 MHz



<b>Value</b>	17.672 MHz
<b>Limit (&gt;)</b>	500 kHz
<b>Result</b>	Pass

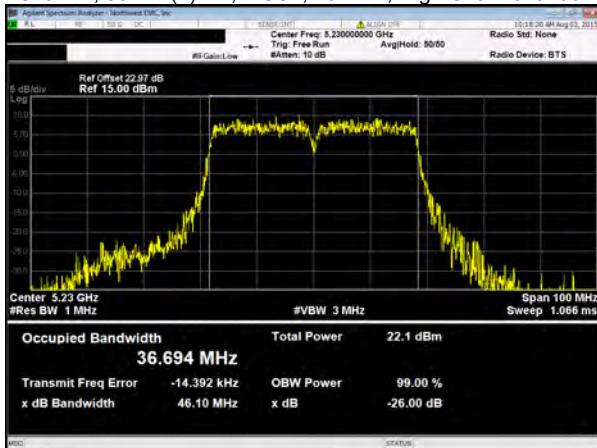
Chain B, 802.11(n) HT, MCS7, 40 MHz, Low Channel 5190 MHz



<b>Value</b>	45.248 MHz
<b>Limit (&gt;)</b>	N/A
<b>Result</b>	N/A

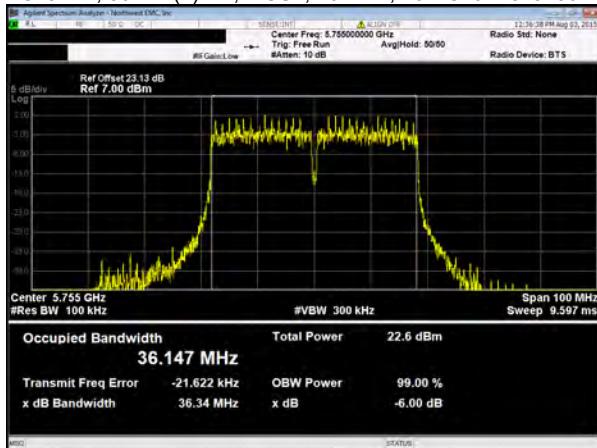
# EMISSION & OCCUPIED BANDWIDTH

Chain B, 802.11(n) HT, MCS7, 40 MHz, High Channel 5230 MHz



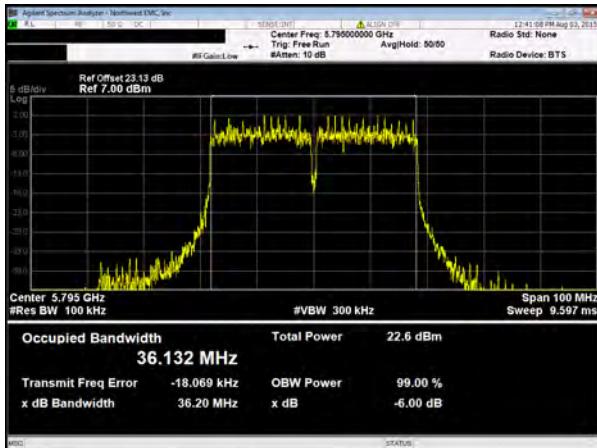
<b>Value</b>	46.102 MHz
<b>Limit (&gt;)</b>	N/A
<b>Result</b>	N/A

Chain B, 802.11(n) HT, MCS7, 40 MHz, Low Channel 5755 MHz



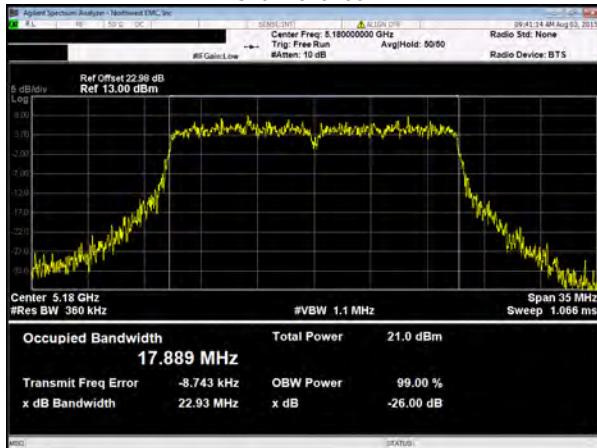
<b>Value</b>	36.339 MHz
<b>Limit (&gt;)</b>	500 kHz
<b>Result</b>	Pass

Chain B, 802.11(n) HT, MCS7, 40 MHz, High Channel 5795 MHz



<b>Value</b>	36.196 MHz
<b>Limit (&gt;)</b>	500 kHz
<b>Result</b>	Pass

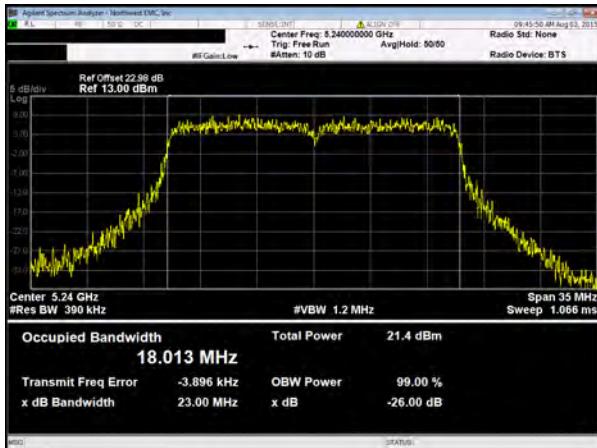
Chain B, 802.11(ac) VHT, MCS8 (256-QAM), 20 MHz, Low Channel 5180 MHz



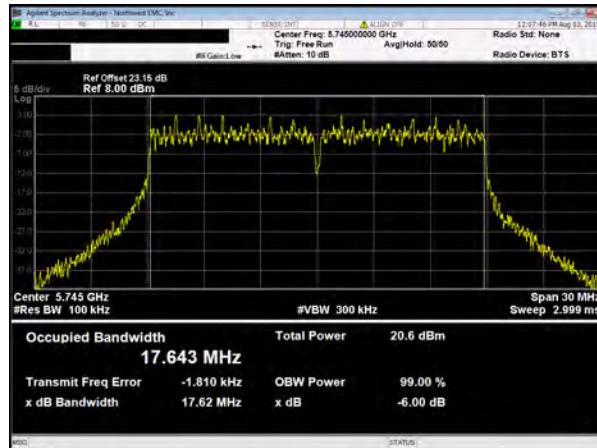
<b>Value</b>	22.93 MHz
<b>Limit (&gt;)</b>	N/A
<b>Result</b>	N/A

# EMISSION & OCCUPIED BANDWIDTH

Chain B, 802.11(ac) VHT, MCS8 (256-QAM), 20 MHz, High Channel 5240 MHz



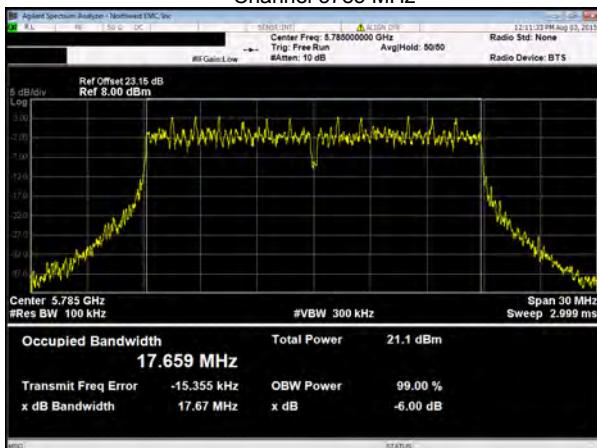
Chain B, 802.11(ac) VHT, MCS8 (256-QAM), 20 MHz, Low Channel 5745 MHz



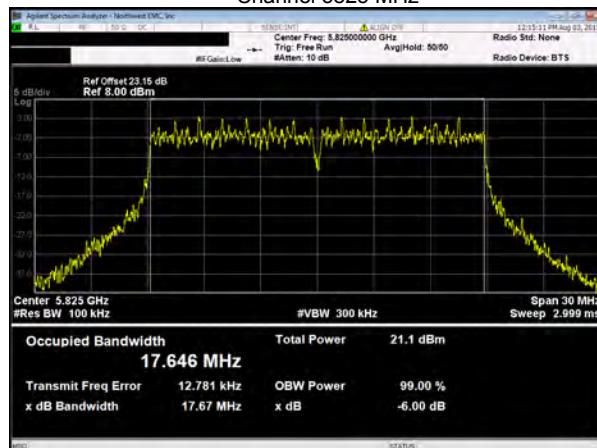
Value	22.999 MHz
Limit (>)	N/A
Result	N/A

Value	17.617 MHz
Limit (>)	500 kHz
Result	Pass

Chain B, 802.11(ac) VHT, MCS8 (256-QAM), 20 MHz, Mid Channel 5785 MHz



Chain B, 802.11(ac) VHT, MCS8 (256-QAM), 20 MHz, High Channel 5825 MHz

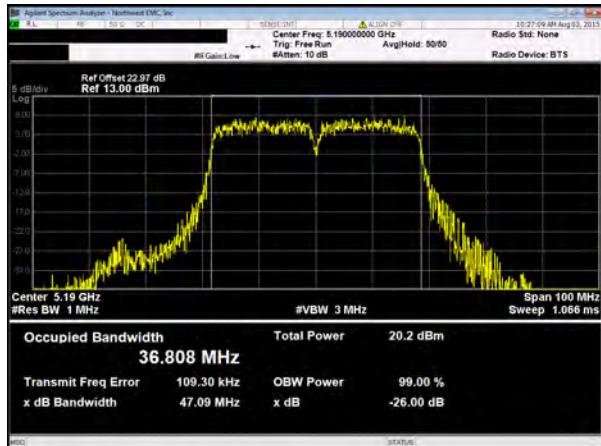


Value	17.666 MHz
Limit (>)	500 kHz
Result	Pass

Value	17.671 MHz
Limit (>)	500 kHz
Result	Pass

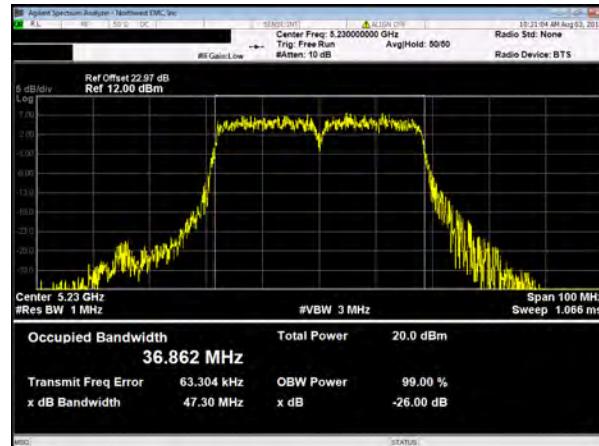
# EMISSION & OCCUPIED BANDWIDTH

Chain B, 802.11(ac) VHT, MCS9 (256-QAM), 40 MHz, Low Channel 5190 MHz



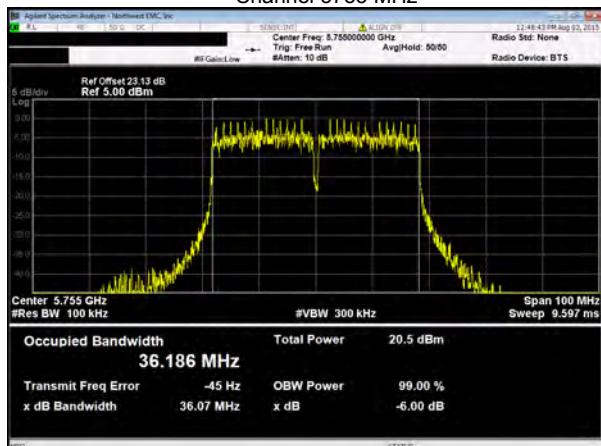
Value	47.095 MHz
Limit (>)	N/A
Result	N/A

Chain B, 802.11(ac) VHT, MCS9 (256-QAM), 40 MHz, High Channel 5230 MHz



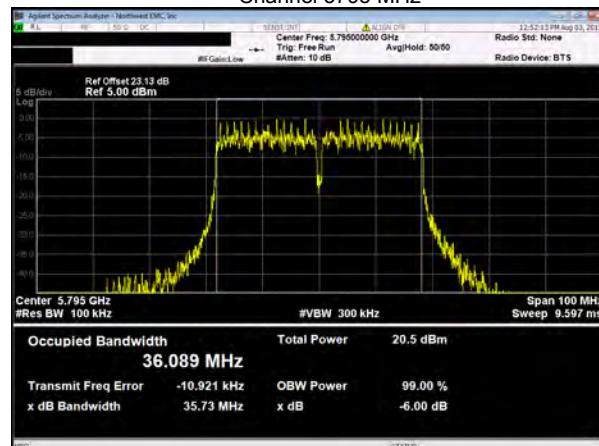
Value	47.304 MHz
Limit (>)	N/A
Result	N/A

Chain B, 802.11(ac) VHT, MCS9 (256-QAM), 40 MHz, Low Channel 5755 MHz



Value	36.073 MHz
Limit (>)	500 kHz
Result	Pass

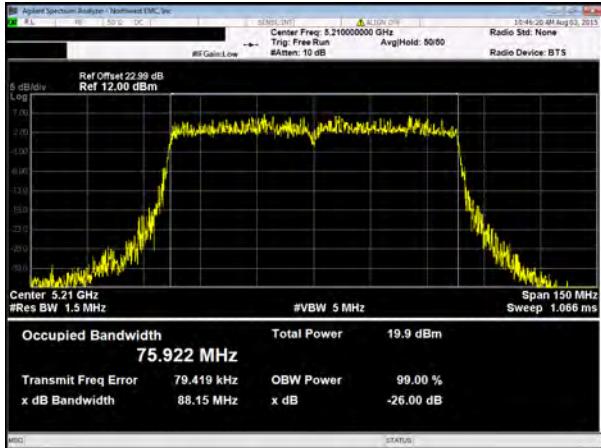
Chain B, 802.11(ac) VHT, MCS9 (256-QAM), 40 MHz, High Channel 5795 MHz



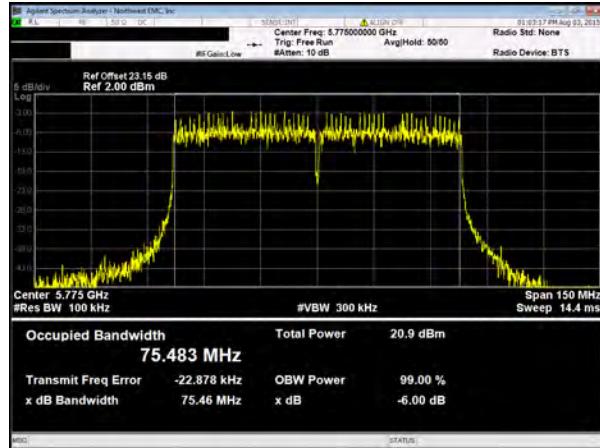
Value	35.733 MHz
Limit (>)	500 kHz
Result	Pass

# EMISSION & OCCUPIED BANDWIDTH

Chain B, 802.11(ac) VHT, MCS9 (256-QAM), 80 MHz, Low Channel 5210 MHz



Chain B, 802.11(ac) VHT, MCS9 (256-QAM), 80 MHz, Low Channel 5775 MHz



<b>Value</b>	88.153 MHz
<b>Limit (&gt;)</b>	N/A
<b>Result</b>	N/A

<b>Value</b>	75.464 MHz
<b>Limit (&gt;)</b>	500 kHz
<b>Result</b>	Pass

# EMISSION & OCCUPIED BANDWIDTH

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

## TEST DESCRIPTION

5.2GHz band

FCC KDB 789033 General UNII Test Procedures were followed.

The transmit frequencies and data rates listed in the datasheet were measured in each band utilized by the radio. A direct connection was made between the RF output of the EUT and a spectrum analyzer. Attenuation and a DC block were used. The reference level offset on the spectrum analyzer was adjusted to compensate for cable loss and the external attenuation used between the RF output and the spectrum analyzer input.

The spectrum analyzer settings were as follows:

- RBW = Approx. 1% of the emission bandwidth (B).
- VBW = > RBW
- Detector = Peak
- Trace mode = max hold

The spectrum analyzer occupied bandwidth measurement function was then used to measure 26 dB emission bandwidth.

There is no required limit to be met in the rule part for the 5.2GHz band. The purpose of the test is to both report the results as required by the KDB, and to utilize the emission bandwidth for setting the channel power integration bandwidth during conducted output power testing.

5.8GHz band

FCC KDB 789033 General UNII Test Procedures were followed to measure the minimum emission bandwidth for the 5.725-5.85 GHz band.

The transmit frequencies and data rates listed in the datasheet were measured in each band utilized by the radio. The transmit power was set to its default maximum.

A direct connection was made between the RF output of the EUT and a spectrum analyzer. Attenuation and a DC block were used. The reference level offset on the spectrum analyzer was adjusted to compensate for cable loss and the external attenuation used between the RF output and the spectrum analyzer input.

The spectrum analyzer settings were as follows:

RBW = 100 kHz  
VBW =  $\geq$  3x RBW  
Detector = Peak  
Trace mode = max hold

The spectrum analyzer occupied bandwidth measurement function was then used to measure 6 dB emission bandwidth. 3 General UNII Test Procedures were followed.

The transmit frequencies and data rates listed in the datasheet were measured in each band utilized by the radio. A direct connection was made between the RF output of the EUT and a spectrum analyzer. Attenuation and a DC block were used. The reference level offset on the spectrum analyzer was adjusted to compensate for cable loss and the external attenuation used between the RF output and the spectrum analyzer input.

The spectrum analyzer settings were as follows:

- RBW = Approx. 1% of the emission bandwidth (B).
- VBW = > RBW
- Detector = Peak
- Trace mode = max hold

# EMISSION & OCCUPIED BANDWIDTH



The spectrum analyzer occupied bandwidth measurement function was then used to measure 26 dB emission bandwidth.

There is no required limit to be met in the rule part for this test. The purpose of the test is to both report the results as required by the KDB, and to utilize the emission bandwidth for setting the channel power integration bandwidth during conducted output power testing.

## TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Spectrum Analyzer	Agilent	N9010A	AFL	9/20/2014	9/20/2015
DC Block, 40 GHz	Fairview Microwave	SD3379	AMM	2/27/2015	2/27/2016
Attenuator, 20dB, 40 GHz	Fairview Microwave	SA4018-20	TQY	2/27/2015	2/27/2016
Signal Generator, 40 GHz	Agilent	N5173B	TIW	7/15/2014	7/15/2017

# EMISSION & OCCUPIED BANDWIDTH

EUT:	Firebox T50-W (BS5AE7W)	Work Order:	VDEI0009
Serial Number:	70AF00069-3EB6	Date:	08/03/15
Customer:	WatchGuard Technologies, Inc.	Temperature:	25.5°C
Attendees:	None	Relative Humidity:	44%
Customer Project:	None	Bar. Pressure:	1014 mbar
Tested By:	Jonathan Kiefer	Job Site:	TX09
Power:	110VAC/60Hz	Configuration:	1

## TEST SPECIFICATIONS

Specification:	Method:
FCC 15.407:2015	ANSI C63.10:2013

## COMMENTS

Chain C corresponds to Chain 2.

## DEVIATIONS FROM TEST STANDARD

None

## RESULTS

		Value	Limit (>)	Result
Chain C				
	802.11(a) 6 Mbps			
	20 MHz			
	Low Channel 5180 MHz	21.614 MHz	N/A	N/A
	High Channel 5240 MHz	22.059 MHz	N/A	N/A
	Low Channel 5745 MHz	16.31 MHz	500 kHz	Pass
	Mid Channel 5785 MHz	16.324 MHz	500 kHz	Pass
	High Channel 5825 MHz	16.342 MHz	500 kHz	Pass
	802.11(a) 36 Mbps			
	20 MHz			
	Low Channel 5180 MHz	20.554 MHz	N/A	N/A
	High Channel 5240 MHz	20.847 MHz	N/A	N/A
	Low Channel 5745 MHz	16.321 MHz	500 kHz	Pass
	Mid Channel 5785 MHz	16.465 MHz	500 kHz	Pass
	High Channel 5825 MHz	16.349 MHz	500 kHz	Pass
	802.11(a) 54 Mbps			
	20 MHz			
	Low Channel 5180 MHz	22.923 MHz	N/A	N/A
	High Channel 5240 MHz	22.369 MHz	N/A	N/A
	Low Channel 5745 MHz	16.52 MHz	500 kHz	Pass
	Mid Channel 5785 MHz	16.424 MHz	500 kHz	Pass
	High Channel 5825 MHz	16.392 MHz	500 kHz	Pass
	802.11(n) HT, MCS0			
	20 MHz			
	Low Channel 5180 MHz	22.774 MHz	N/A	N/A
	High Channel 5240 MHz	21.908 MHz	N/A	N/A
	Low Channel 5745 MHz	17.564 MHz	500 kHz	Pass
	Mid Channel 5785 MHz	17.575 MHz	500 kHz	Pass
	High Channel 5825 MHz	17.55 MHz	500 kHz	Pass
	40 MHz			

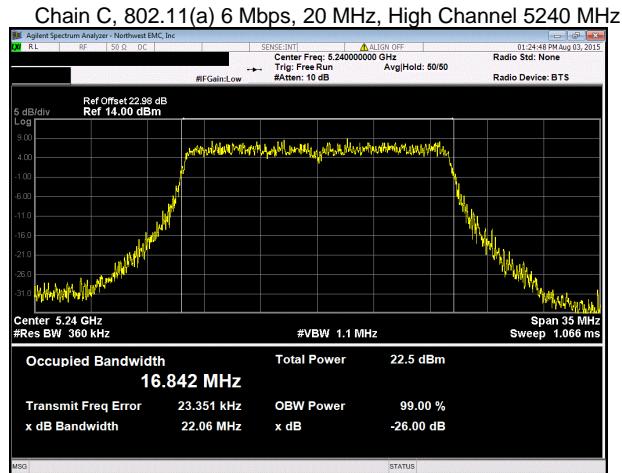
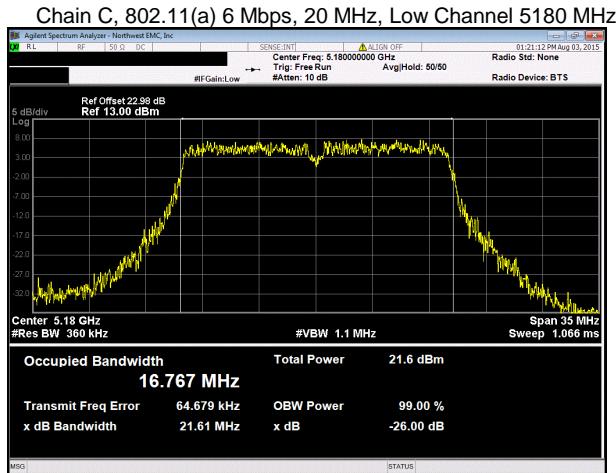
# EMISSION & OCCUPIED BANDWIDTH

		Value	Limit (>)	Result
	Low Channel 5190 MHz	46.687 MHz	N/A	N/A
	High Channel 5230 MHz	44.948 MHz	N/A	N/A
	Low Channel 5755 MHz	35.934 MHz	500 kHz	Pass
	High Channel 5795 MHz	35.896 MHz	500 kHz	Pass
80 MHz				
	Low Channel 5210 MHz	86.825 MHz	N/A	N/A
	Low Channel 5775 MHz	76.287 MHz	500 kHz	Pass
802.11(n) HT, MCS7				
20 MHz				
	Low Channel 5180 MHz	23.664 MHz	N/A	N/A
	High Channel 5240 MHz	23.296 MHz	N/A	N/A
	Low Channel 5745 MHz	17.65 MHz	500 kHz	Pass
	Mid Channel 5785 MHz	17.632 MHz	500 kHz	Pass
	High Channel 5825 MHz	17.649 MHz	500 kHz	Pass
40 MHz				
	Low Channel 5190 MHz	44.917 MHz	N/A	N/A
	High Channel 5230 MHz	45.837 MHz	N/A	N/A
	Low Channel 5755 MHz	36.28 MHz	500 kHz	Pass
	High Channel 5795 MHz	36.31 MHz	500 kHz	Pass
802.11(ac) VHT, MCS8 (256-QAM)				
20 MHz				
	Low Channel 5180 MHz	22.856 MHz	N/A	N/A
	High Channel 5240 MHz	22.98 MHz	N/A	N/A
	Low Channel 5745 MHz	17.637 MHz	500 kHz	Pass
	Mid Channel 5785 MHz	17.756 MHz	500 kHz	Pass
	High Channel 5825 MHz	17.704 MHz	500 kHz	Pass
802.11(ac) VHT, MCS9 (256-QAM)				
40 MHz				
	Low Channel 5190 MHz	46.928 MHz	N/A	N/A
	High Channel 5230 MHz	46.873 MHz	N/A	N/A
	Low Channel 5755 MHz	36.365 MHz	500 kHz	Pass
	High Channel 5795 MHz	36.391 MHz	500 kHz	Pass
80 MHz				
	Low Channel 5210 MHz	93.889 MHz	N/A	N/A
	Low Channel 5775 MHz	76.014 MHz	500 kHz	Pass

*Jonathan Kiefer*

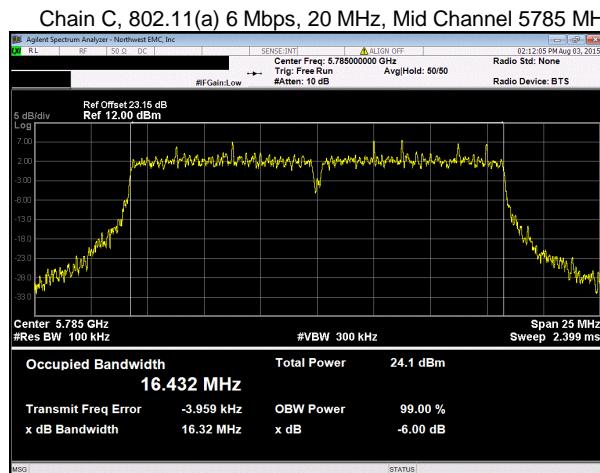
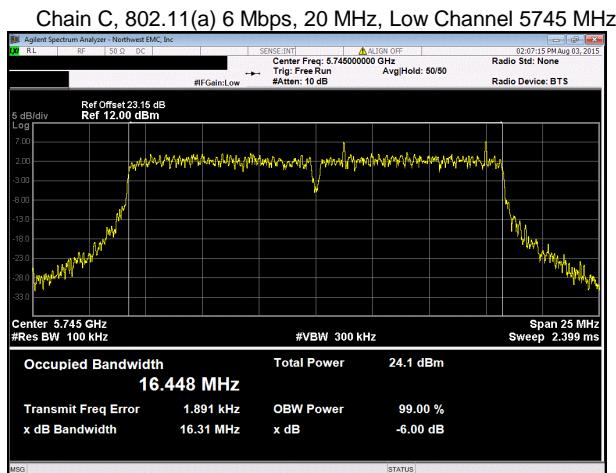
Tested By

# EMISSION & OCCUPIED BANDWIDTH



<b>Value</b>	21.614 MHz
<b>Limit (&gt;)</b>	N/A
<b>Result</b>	N/A

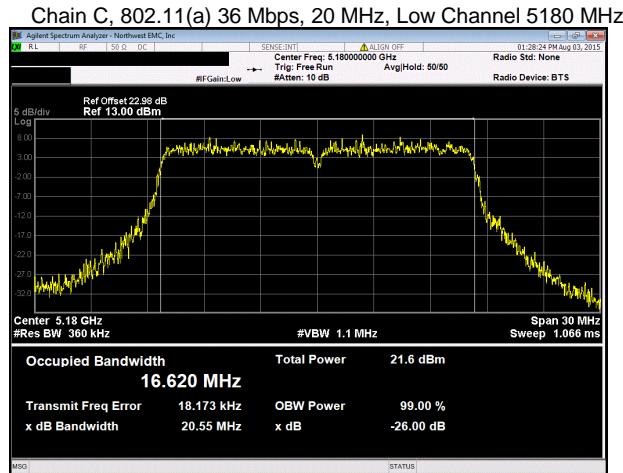
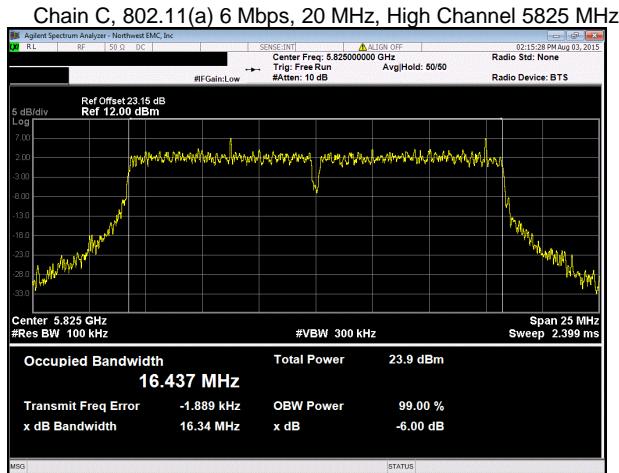
<b>Value</b>	22.059 MHz
<b>Limit (&gt;)</b>	N/A
<b>Result</b>	N/A



<b>Value</b>	16.31 MHz
<b>Limit (&gt;)</b>	500 kHz
<b>Result</b>	Pass

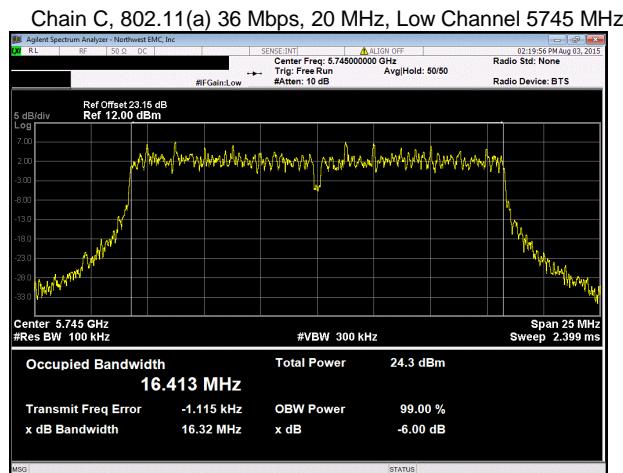
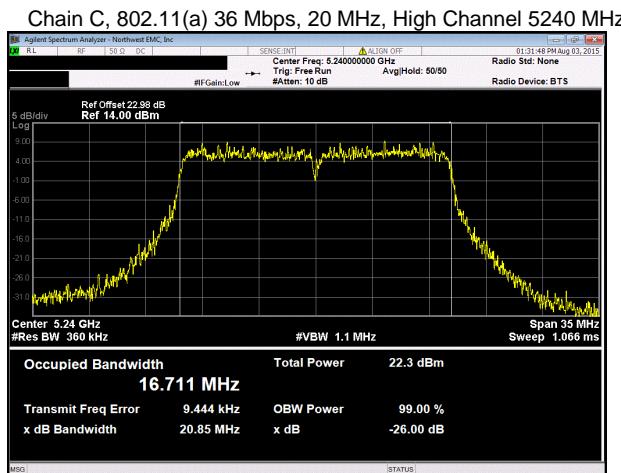
<b>Value</b>	16.324 MHz
<b>Limit (&gt;)</b>	500 kHz
<b>Result</b>	Pass

# EMISSION & OCCUPIED BANDWIDTH



<b>Value</b>	16.342 MHz
<b>Limit (&gt;)</b>	500 kHz
<b>Result</b>	Pass

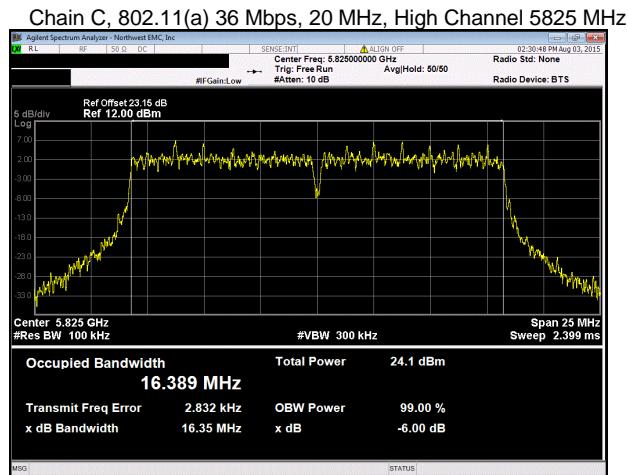
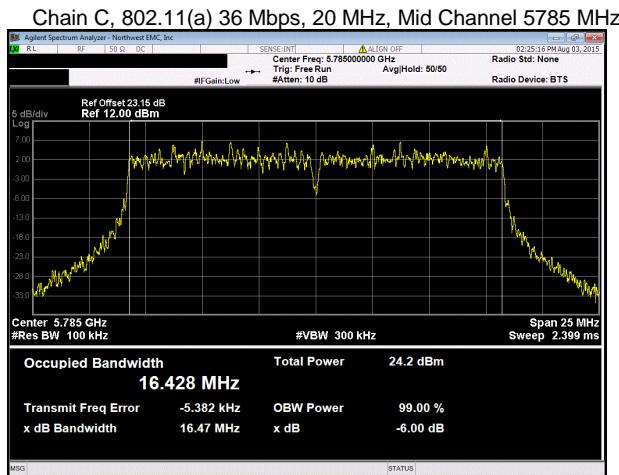
<b>Value</b>	20.554 MHz
<b>Limit (&gt;)</b>	N/A
<b>Result</b>	N/A



<b>Value</b>	20.847 MHz
<b>Limit (&gt;)</b>	N/A
<b>Result</b>	N/A

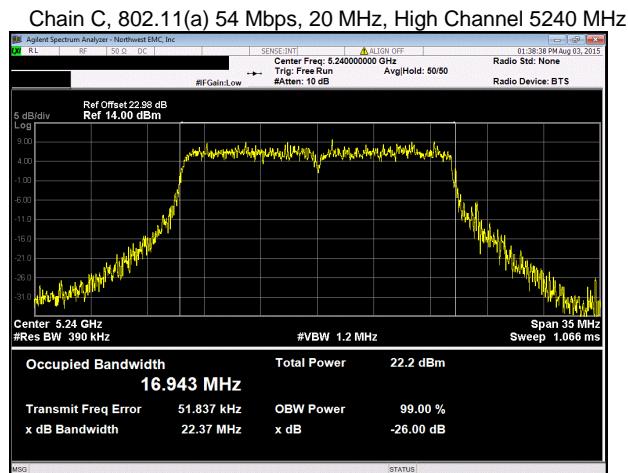
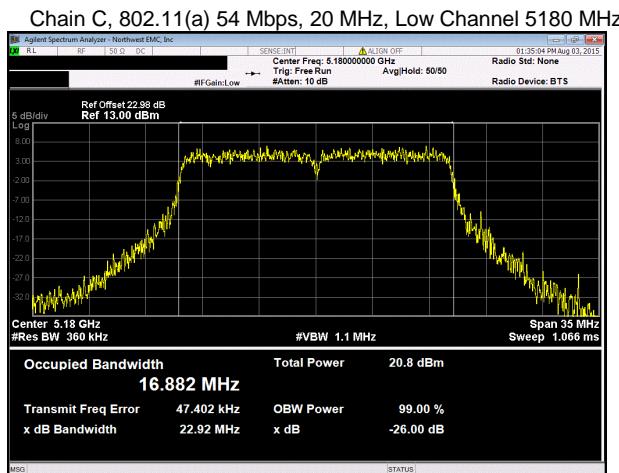
<b>Value</b>	16.321 MHz
<b>Limit (&gt;)</b>	500 kHz
<b>Result</b>	Pass

# EMISSION & OCCUPIED BANDWIDTH



<b>Value</b>	16.465 MHz
<b>Limit (&gt;)</b>	500 kHz
<b>Result</b>	Pass

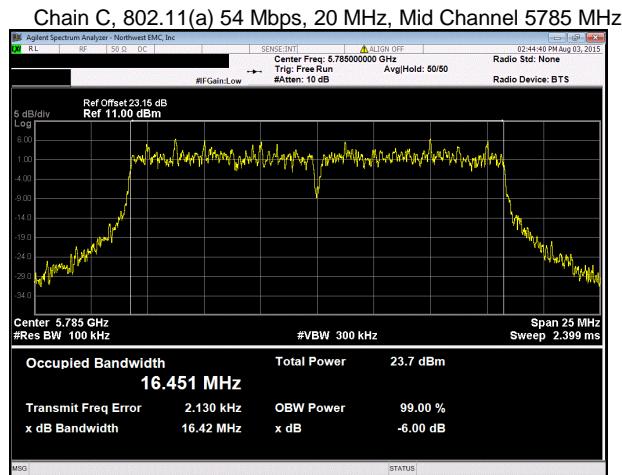
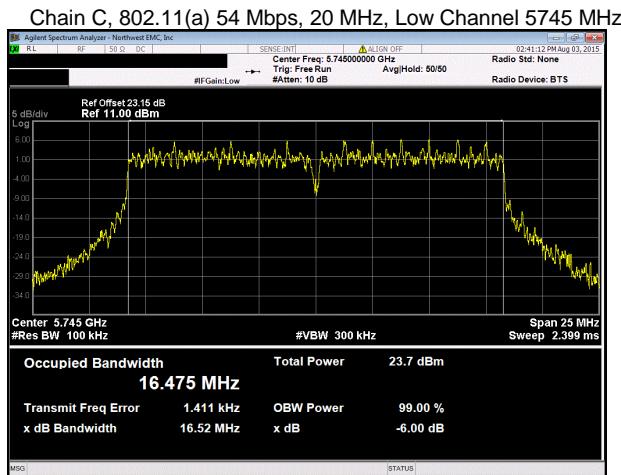
<b>Value</b>	16.349 MHz
<b>Limit (&gt;)</b>	500 kHz
<b>Result</b>	Pass



<b>Value</b>	22.923 MHz
<b>Limit (&gt;)</b>	N/A
<b>Result</b>	N/A

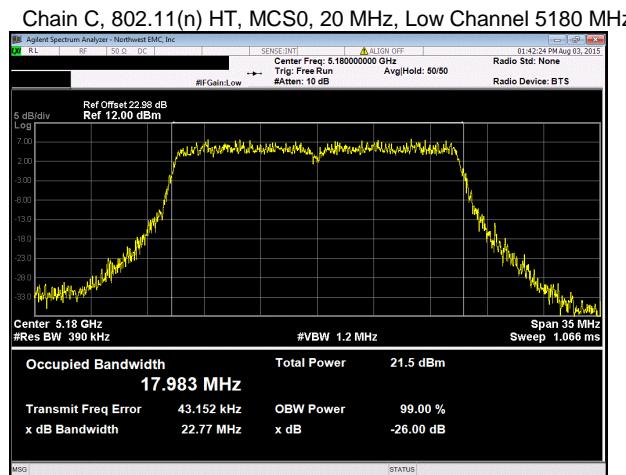
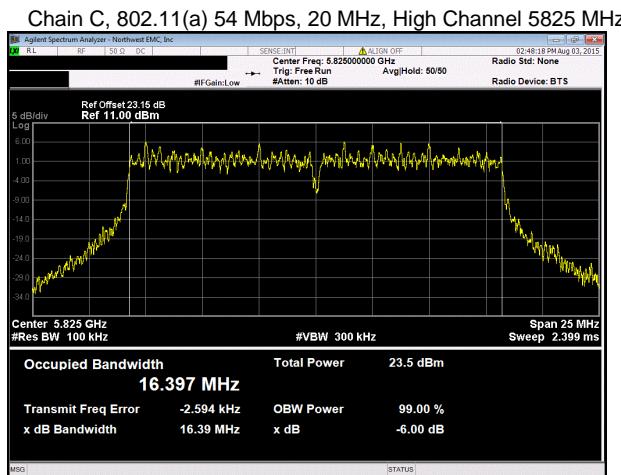
<b>Value</b>	22.369 MHz
<b>Limit (&gt;)</b>	N/A
<b>Result</b>	N/A

# EMISSION & OCCUPIED BANDWIDTH



<b>Value</b>	16.52 MHz
<b>Limit (&gt;)</b>	500 kHz
<b>Result</b>	Pass

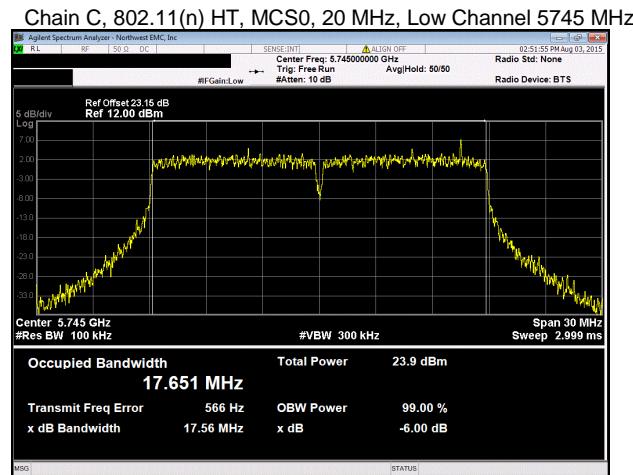
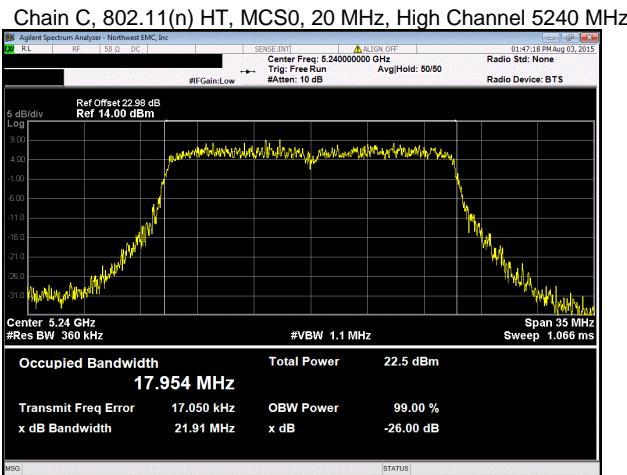
<b>Value</b>	16.424 MHz
<b>Limit (&gt;)</b>	500 kHz
<b>Result</b>	Pass



<b>Value</b>	16.392 MHz
<b>Limit (&gt;)</b>	500 kHz
<b>Result</b>	Pass

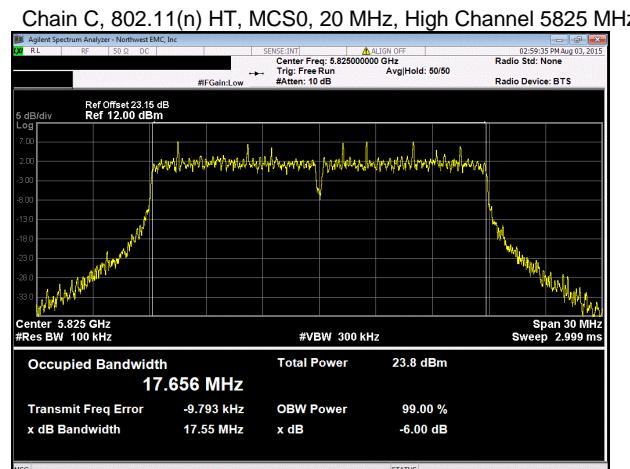
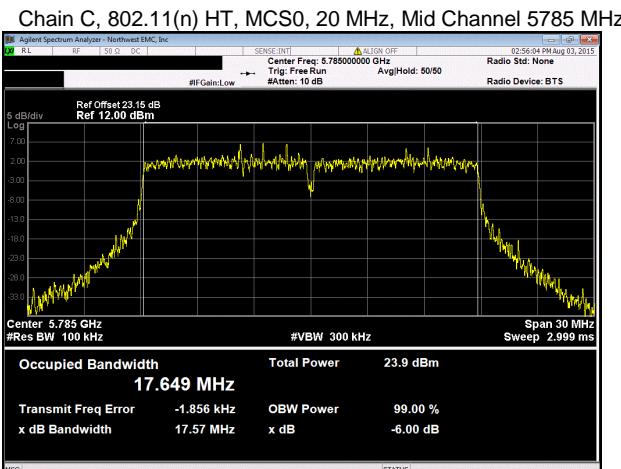
<b>Value</b>	22.774 MHz
<b>Limit (&gt;)</b>	N/A
<b>Result</b>	N/A

# EMISSION & OCCUPIED BANDWIDTH



<b>Value</b>	21.908 MHz
<b>Limit (&gt;)</b>	N/A
<b>Result</b>	N/A

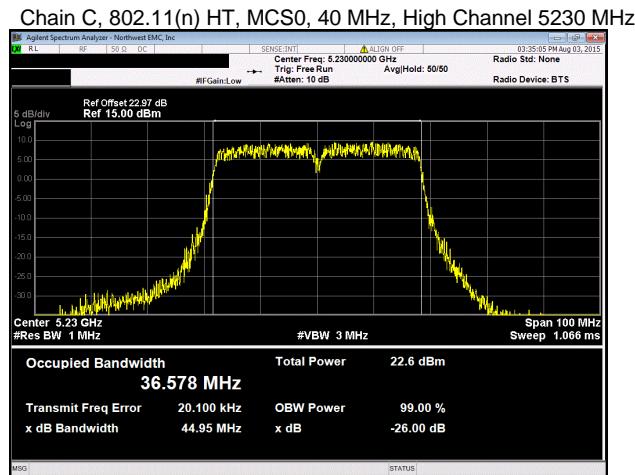
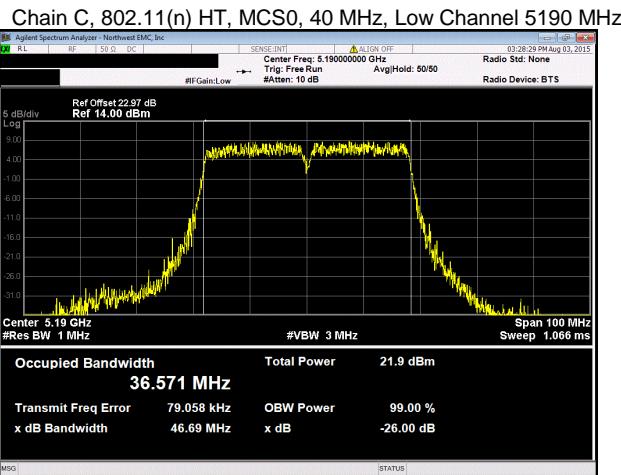
<b>Value</b>	17.564 MHz
<b>Limit (&gt;)</b>	500 kHz
<b>Result</b>	Pass



<b>Value</b>	17.575 MHz
<b>Limit (&gt;)</b>	500 kHz
<b>Result</b>	Pass

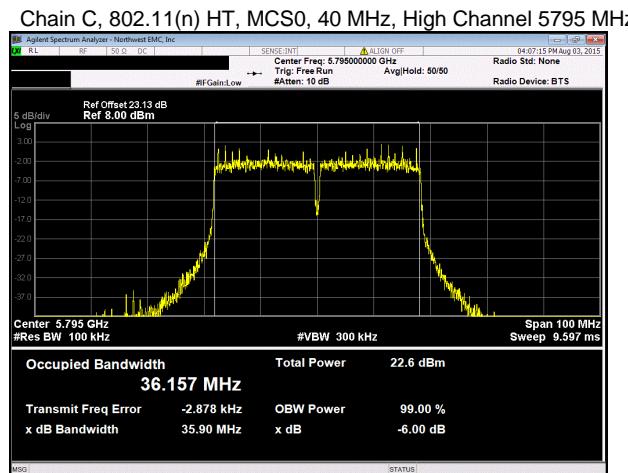
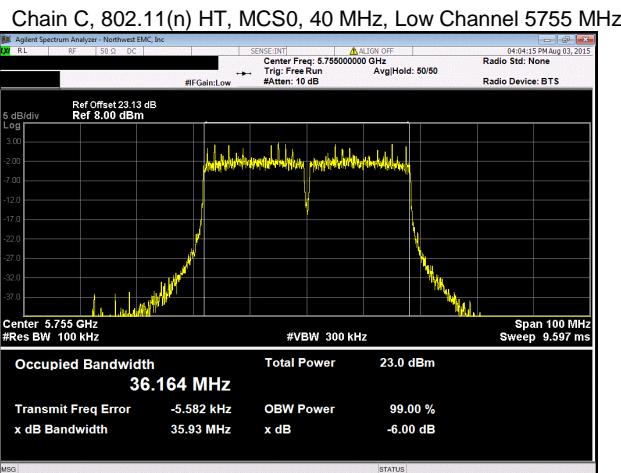
<b>Value</b>	17.55 MHz
<b>Limit (&gt;)</b>	500 kHz
<b>Result</b>	Pass

# EMISSION & OCCUPIED BANDWIDTH



<b>Value</b>	46.687 MHz
<b>Limit (&gt;)</b>	N/A
<b>Result</b>	N/A

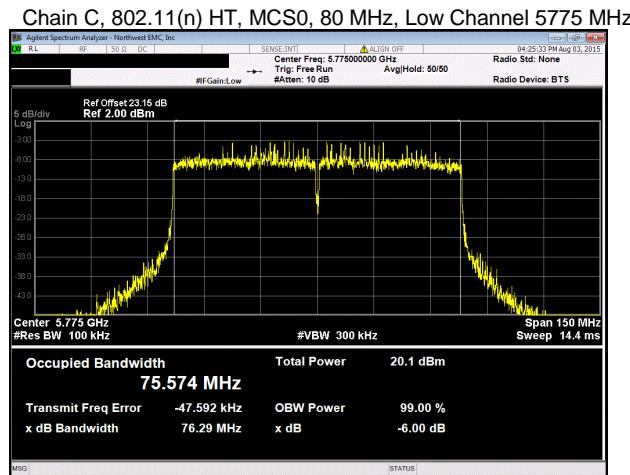
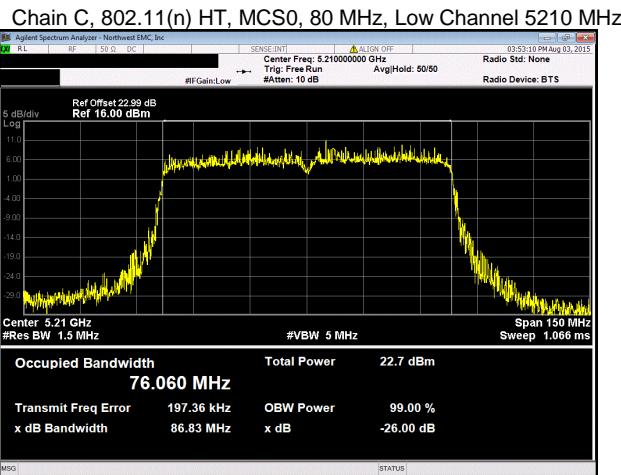
<b>Value</b>	44.948 MHz
<b>Limit (&gt;)</b>	N/A
<b>Result</b>	N/A



<b>Value</b>	35.934 MHz
<b>Limit (&gt;)</b>	500 kHz
<b>Result</b>	Pass

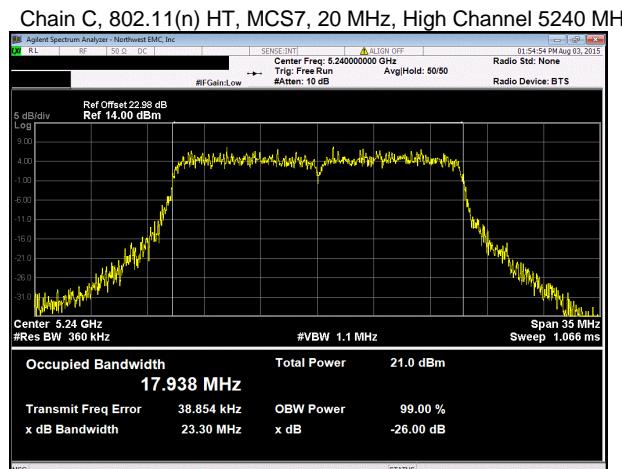
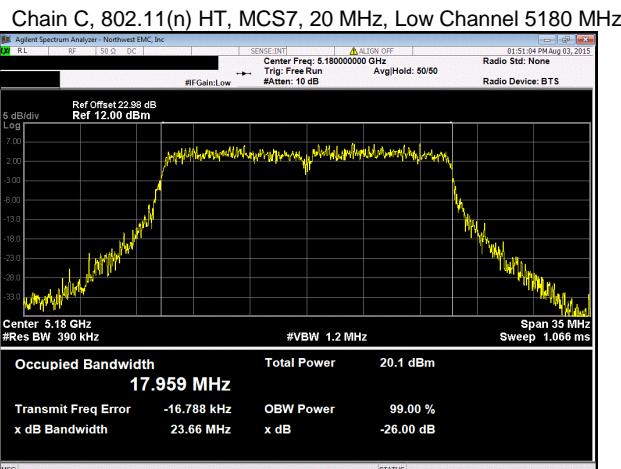
<b>Value</b>	35.896 MHz
<b>Limit (&gt;)</b>	500 kHz
<b>Result</b>	Pass

# EMISSION & OCCUPIED BANDWIDTH



<b>Value</b>	86.825 MHz
<b>Limit (&gt;)</b>	N/A
<b>Result</b>	N/A

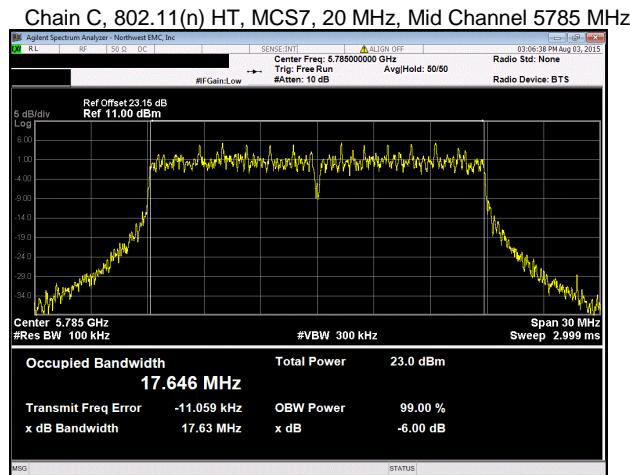
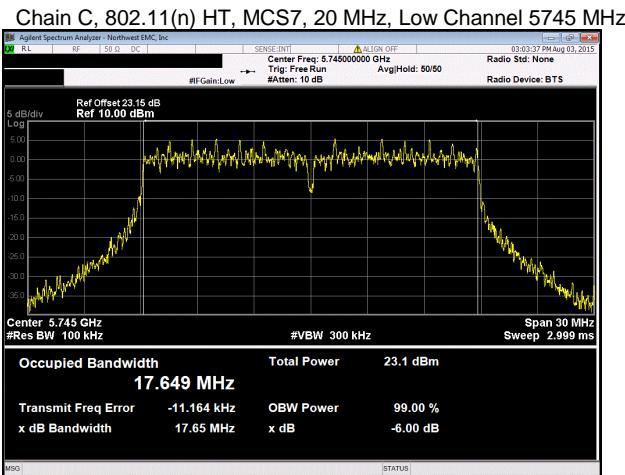
<b>Value</b>	76.287 MHz
<b>Limit (&gt;)</b>	500 kHz
<b>Result</b>	Pass



<b>Value</b>	23.664 MHz
<b>Limit (&gt;)</b>	N/A
<b>Result</b>	N/A

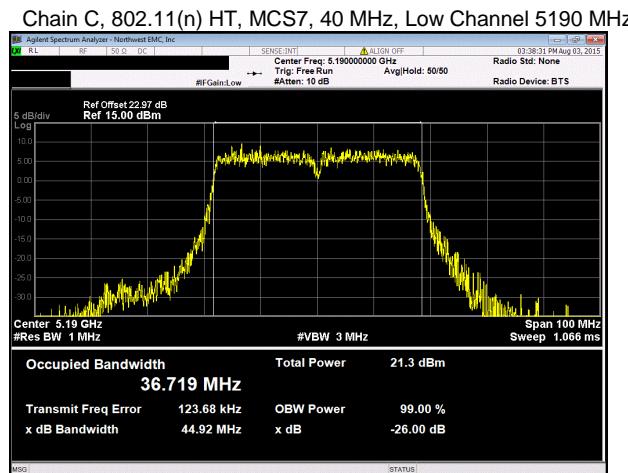
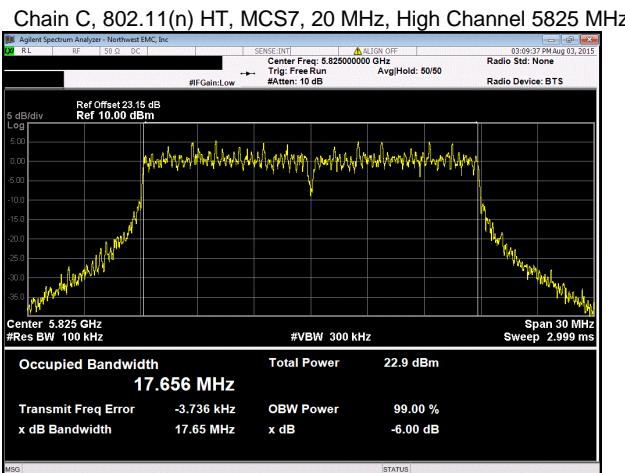
<b>Value</b>	23.296 MHz
<b>Limit (&gt;)</b>	N/A
<b>Result</b>	N/A

# EMISSION & OCCUPIED BANDWIDTH



<b>Value</b>	17.65 MHz
<b>Limit (&gt;)</b>	500 kHz
<b>Result</b>	Pass

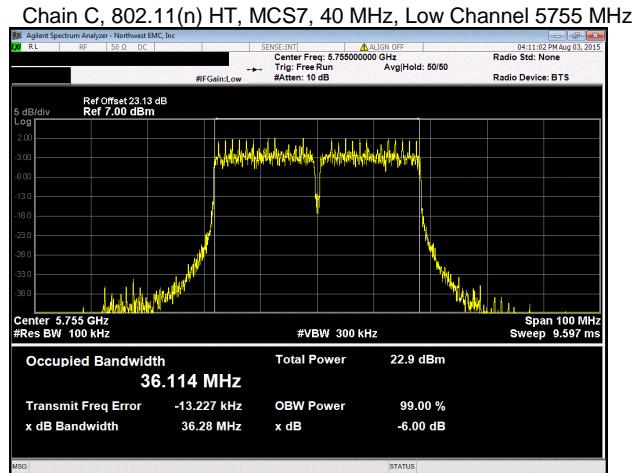
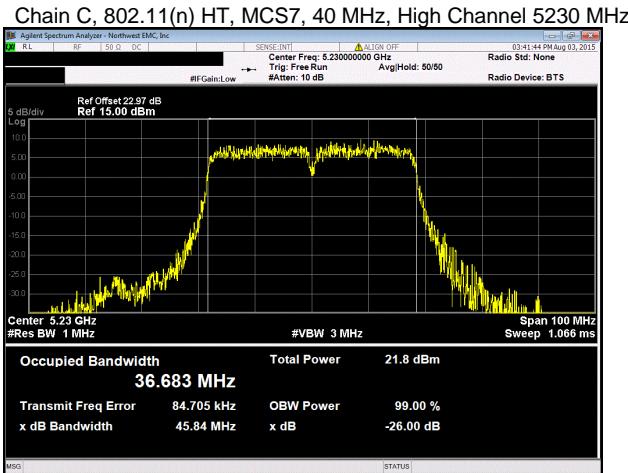
<b>Value</b>	17.632 MHz
<b>Limit (&gt;)</b>	500 kHz
<b>Result</b>	Pass



<b>Value</b>	17.649 MHz
<b>Limit (&gt;)</b>	500 kHz
<b>Result</b>	Pass

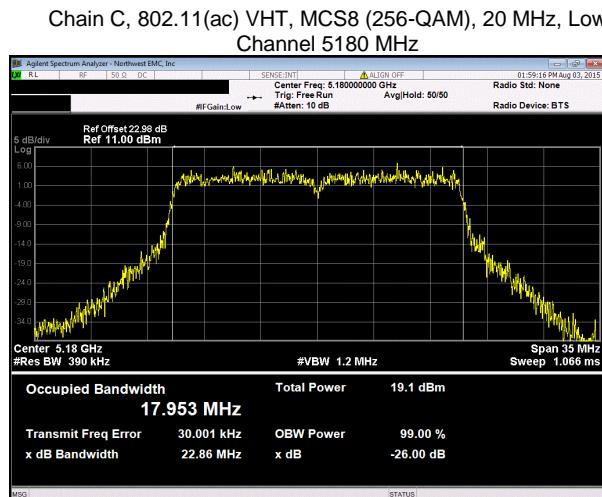
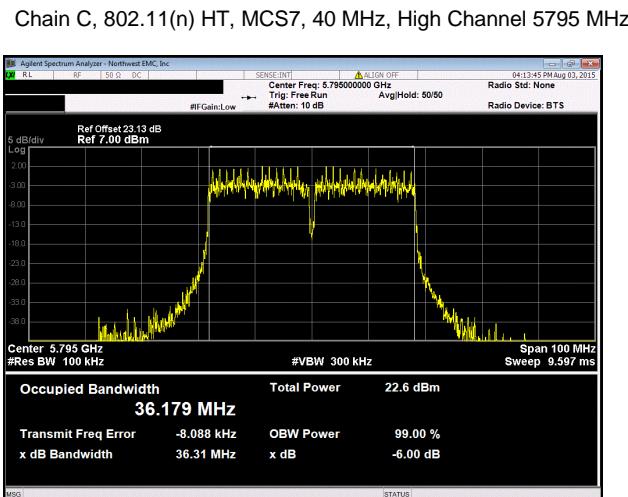
<b>Value</b>	44.917 MHz
<b>Limit (&gt;)</b>	N/A
<b>Result</b>	N/A

# EMISSION & OCCUPIED BANDWIDTH



<b>Value</b>	45.837 MHz
<b>Limit (&gt;)</b>	N/A
<b>Result</b>	N/A

<b>Value</b>	36.28 MHz
<b>Limit (&gt;)</b>	500 kHz
<b>Result</b>	Pass

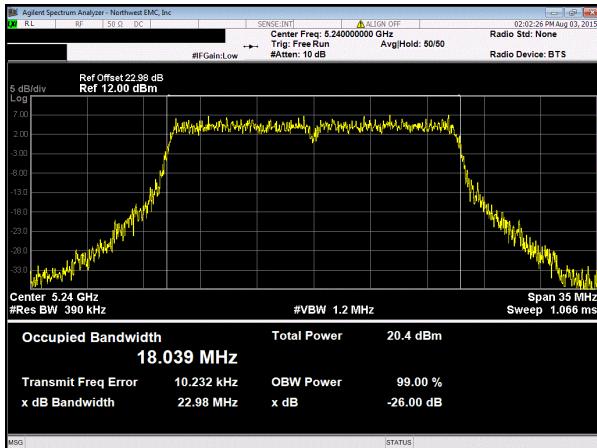


<b>Value</b>	36.31 MHz
<b>Limit (&gt;)</b>	500 kHz
<b>Result</b>	Pass

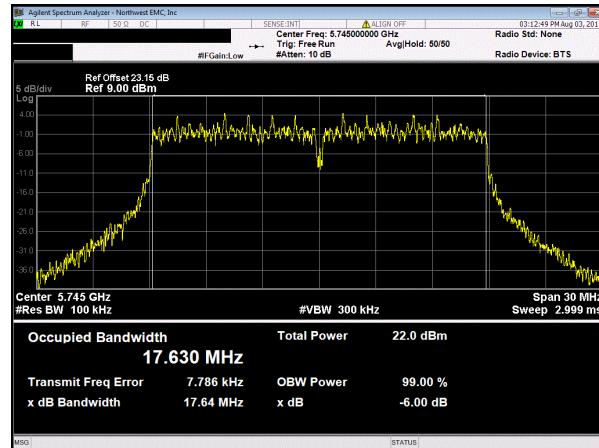
<b>Value</b>	22.856 MHz
<b>Limit (&gt;)</b>	N/A
<b>Result</b>	N/A

# EMISSION & OCCUPIED BANDWIDTH

Chain C, 802.11(ac) VHT, MCS8 (256-QAM), 20 MHz, High Channel 5240 MHz



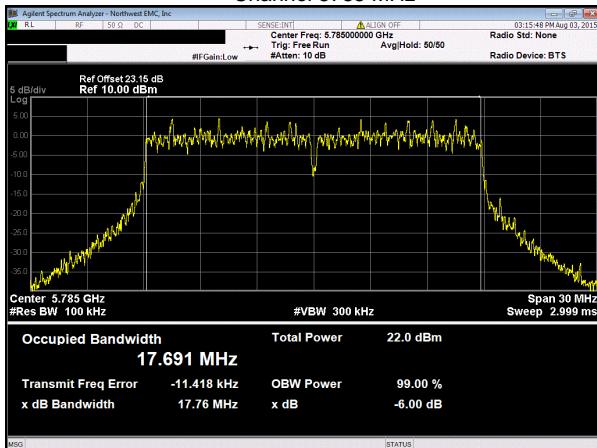
Chain C, 802.11(ac) VHT, MCS8 (256-QAM), 20 MHz, Low Channel 5745 MHz



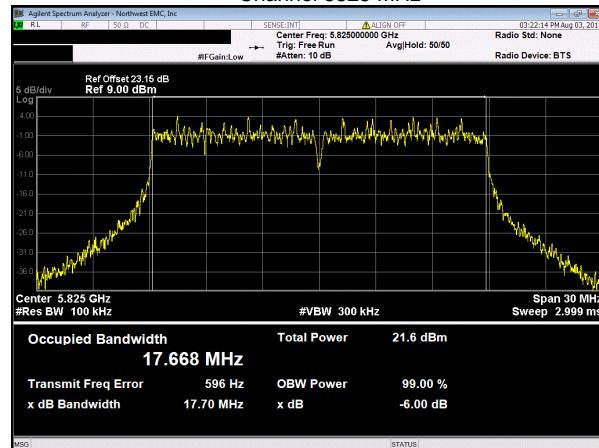
Value	22.98 MHz
Limit (>)	N/A
Result	N/A

Value	17.637 MHz
Limit (>)	500 kHz
Result	Pass

Chain C, 802.11(ac) VHT, MCS8 (256-QAM), 20 MHz, Mid Channel 5785 MHz



Chain C, 802.11(ac) VHT, MCS8 (256-QAM), 20 MHz, High Channel 5825 MHz

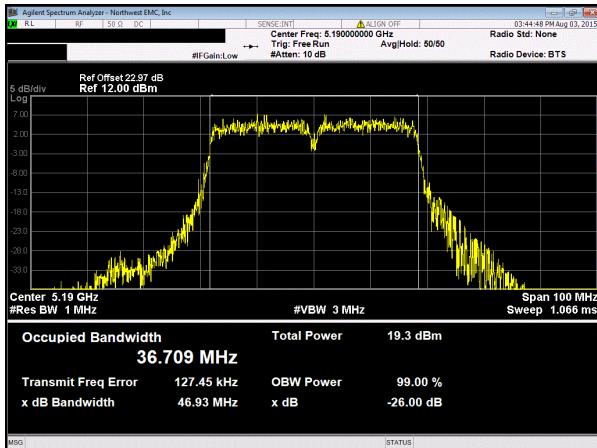


Value	17.756 MHz
Limit (>)	500 kHz
Result	Pass

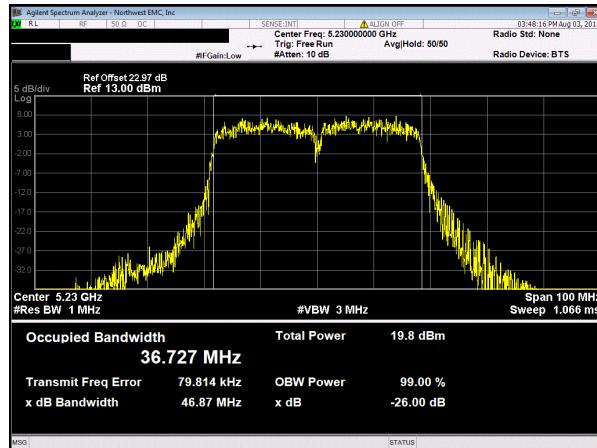
Value	17.704 MHz
Limit (>)	500 kHz
Result	Pass

# EMISSION & OCCUPIED BANDWIDTH

Chain C, 802.11(ac) VHT, MCS9 (256-QAM), 40 MHz, Low Channel 5190 MHz



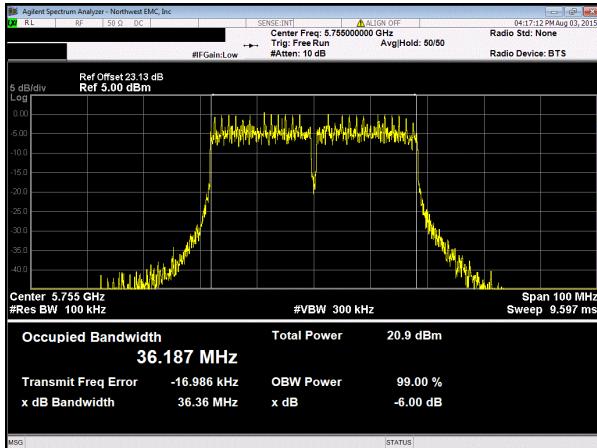
Chain C, 802.11(ac) VHT, MCS9 (256-QAM), 40 MHz, High Channel 5230 MHz



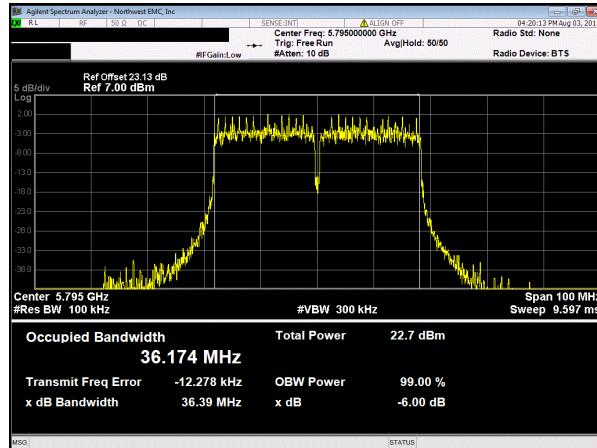
Value	46.928 MHz
Limit (>)	N/A
Result	N/A

Value	46.873 MHz
Limit (>)	N/A
Result	N/A

Chain C, 802.11(ac) VHT, MCS9 (256-QAM), 40 MHz, Low Channel 5755 MHz



Chain C, 802.11(ac) VHT, MCS9 (256-QAM), 40 MHz, High Channel 5795 MHz

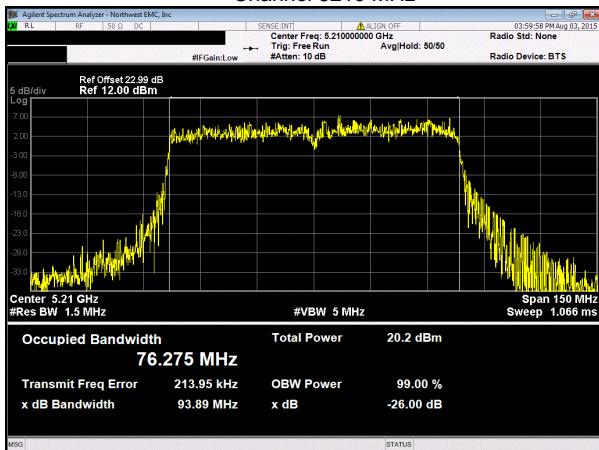


Value	36.365 MHz
Limit (>)	500 kHz
Result	Pass

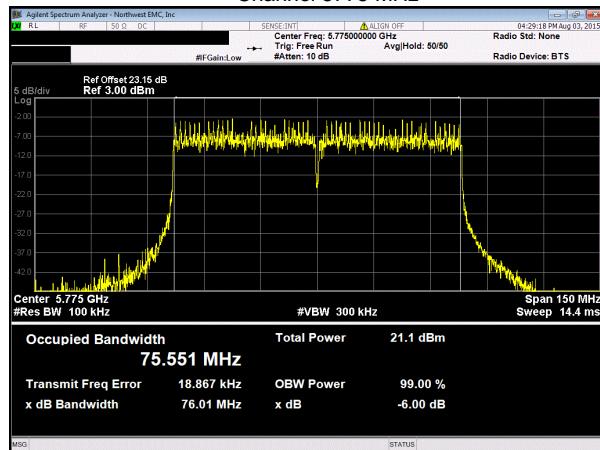
Value	36.391 MHz
Limit (>)	500 kHz
Result	Pass

# EMISSION & OCCUPIED BANDWIDTH

Chain C, 802.11(ac) VHT, MCS9 (256-QAM), 80 MHz, Low Channel 5210 MHz



Chain C, 802.11(ac) VHT, MCS9 (256-QAM), 80 MHz, Low Channel 5775 MHz



<b>Value</b>	93.889 MHz
<b>Limit (&gt;)</b>	N/A
<b>Result</b>	N/A

<b>Value</b>	76.014 MHz
<b>Limit (&gt;)</b>	500 kHz
<b>Result</b>	Pass