

DUTY CYCLE

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

The transmission pulse duration (T) and Duty Cycle (x) were measured for each of the EUT operating modes per the FCC KDB 789033 D01 General UNII Test Procedures.

The measurements were made using a zero span on the spectrum analyzer to see the pulses in the time domain. A direct connection was made between the RF output of the EUT and a spectrum analyzer. Attenuation and a DC block were used

The duty cycle was calculated by dividing the transmission pulse duration (T) by the total period of a single on and total off time.

If the transmit duty cycle < 98 percent, a duty cycle correction factor in dB can be calculated to add to power measurements if required in the method guidance.

$$10 * \text{LOG} (1/x) = \text{dB}$$

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

DUTY CYCLE

EUT:	Firebox T50-W (BS5AE7W)	Work Order:	VDEI0009
Serial Number:	70AF00069-3EB6	Date:	08/05/15
Customer:	WatchGuard Technologies, Inc.	Temperature:	25.4°C
Attendees:	None	Relative Humidity:	43%
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

2x2 MIMO mode, Chain AC (Chains 0 and 2).

DEVIATIONS FROM TEST STANDARD

None

RESULTS

				Number of Value Limit			
		Pulse Width	Period	Pulses	(%)	(%)	Results
Chain A							
802.11(n) HT, MCS0							
80 MHz							
Low Channel 5210 MHz		218.567 us	319.1 us	1	68.5	N/A	N/A
Low Channel 5210 MHz		N/A	N/A	6	N/A	N/A	N/A
Low Channel 5775 MHz		220.512 us	317.9 us	1	69.4	N/A	N/A
Low Channel 5775 MHz		N/A	N/A	5	N/A	N/A	N/A
802.11(n) HT, MCS8							
20 MHz							
Low Channel 5180 MHz		959.53 us	1.044 ms	1	91.9	N/A	N/A
Low Channel 5180 MHz		N/A	N/A	5	N/A	N/A	N/A
High Channel 5240 MHz		959.6 us	1.041 ms	1	92.2	N/A	N/A
High Channel 5240 MHz		N/A	N/A	5	N/A	N/A	N/A
Low Channel 5745 MHz		958.87 us	1.041 ms	1	92.1	N/A	N/A
Low Channel 5745 MHz		N/A	N/A	5	N/A	N/A	N/A
Mid Channel 5785 MHz		959.53 us	1.037 ms	1	92.6	N/A	N/A
Mid Channel 5785 MHz		N/A	N/A	5	N/A	N/A	N/A
High Channel 5825 MHz		960 us	1.034 ms	1	92.8	N/A	N/A
High Channel 5825 MHz		N/A	N/A	5	N/A	N/A	N/A
40 MHz							
Low Channel 5190 MHz		455.367 us	556.4 us	1	81.8	N/A	N/A
Low Channel 5190 MHz		N/A	N/A	6	N/A	N/A	N/A
High Channel 5230 MHz		454.712 us	559.9 us	1	81.2	N/A	N/A
High Channel 5230 MHz		N/A	N/A	5	N/A	N/A	N/A
Low Channel 5755 MHz		454.435 us	556.5 us	1	81.7	N/A	N/A
Low Channel 5755 MHz		N/A	N/A	6	N/A	N/A	N/A
High Channel 5795 MHz		454.823 us	556.4 us	1	81.7	N/A	N/A
High Channel 5795 MHz		N/A	N/A	5	N/A	N/A	N/A
802.11(ac) VHT, MCS8 (256-QAM)							
20 MHz							

DUTY CYCLE

			Number of Value Limit			Results
	Pulse Width	Period	Pulses	(%)	(%)	
Low Channel 5180 MHz	187.767 us	264.7 us	1	70.9	N/A	N/A
Low Channel 5180 MHz	N/A	N/A	5	N/A	N/A	N/A
High Channel 5240 MHz	187.523 us	261.8 us	1	71.6	N/A	N/A
High Channel 5240 MHz	N/A	N/A	5	N/A	N/A	N/A
Low Channel 5745 MHz	187.767 us	261.7 us	1	71.7	N/A	N/A
Low Channel 5745 MHz	N/A	N/A	5	N/A	N/A	N/A
Mid Channel 5785 MHz	188.012 us	264.7 us	1	71	N/A	N/A
Mid Channel 5785 MHz	N/A	N/A	5	N/A	N/A	N/A
High Channel 5825 MHz	187.967 us	263.2 us	1	71.4	N/A	N/A
High Channel 5825 MHz	N/A	N/A	5	N/A	N/A	N/A
802.11(ac) VHT, MCS9 (256-QAM)						
80 MHz						
Low Channel 5210 MHz	52.212 us	140.4 us	1	37.2	N/A	N/A
Low Channel 5210 MHz	N/A	N/A	6	N/A	N/A	N/A
Low Channel 5775 MHz	52.712 us	137.4 us	1	38.4	N/A	N/A
Low Channel 5775 MHz	N/A	N/A	5	N/A	N/A	N/A
40 MHz						
Low Channel 5190 MHz	74.723 us	176.5 us	1	42.3	N/A	N/A
Low Channel 5190 MHz	N/A	N/A	5	N/A	N/A	N/A
High Channel 5230 MHz	74.423 us	180.4 us	1	41.3	N/A	N/A
High Channel 5230 MHz	N/A	N/A	5	N/A	N/A	N/A
Low Channel 5755 MHz	80.412 us	184.6 us	1	43.6	N/A	N/A
Low Channel 5755 MHz	N/A	N/A	5	N/A	N/A	N/A
High Channel 5795 MHz	80.367 us	176.8 us	1	45.5	N/A	N/A
High Channel 5795 MHz	N/A	N/A	5	N/A	N/A	N/A
802.11(n) HT, MCS15						
20 MHz						
Low Channel 5180 MHz	127.724 us	204.63 us	1	62.4	N/A	N/A
Low Channel 5180 MHz	N/A	N/A	4	N/A	N/A	N/A
High Channel 5240 MHz	127.379 us	202.1 us	1	63	N/A	N/A
High Channel 5240 MHz	N/A	N/A	5	N/A	N/A	N/A
Low Channel 5745 MHz	128.212 us	205.9 us	1	62.3	N/A	N/A
Low Channel 5745 MHz	N/A	N/A	5	N/A	N/A	N/A
Mid Channel 5785 MHz	127.623 us	212.4 us	1	60.1	N/A	N/A
Mid Channel 5785 MHz	N/A	N/A	5	N/A	N/A	N/A
High Channel 5825 MHz	127.723 us	201.7 us	1	63.3	N/A	N/A
High Channel 5825 MHz	N/A	N/A	5	N/A	N/A	N/A
40 MHz						
Low Channel 5190 MHz	54.967 us	156.5 us	1	35.1	N/A	N/A
Low Channel 5190 MHz	N/A	N/A	5	N/A	N/A	N/A
High Channel 5230 MHz	54.223 us	159.7 us	1	34	N/A	N/A
High Channel 5230 MHz	N/A	N/A	5	N/A	N/A	N/A
Low Channel 5755 MHz	54.712 us	153.6 us	1	35.6	N/A	N/A
Low Channel 5755 MHz	N/A	N/A	6	N/A	N/A	N/A

DUTY CYCLE

				Number of Value Limit			Results
		Pulse Width	Period	Pulses	(%)	(%)	
High Channel 5795 MHz		85.689 us	158.518 us	1	54.1	N/A	N/A
High Channel 5795 MHz		N/A	N/A	5	N/A	N/A	N/A
Chain C							
802.11(n) HT, MCS0							
80 MHz							
Low Channel 5210 MHz		251.023 us	320.1 us	1	78.4	N/A	N/A
Low Channel 5210 MHz		N/A	N/A	5	N/A	N/A	N/A
Low Channel 5775 MHz		250.779 us	325.8 us	1	77	N/A	N/A
Low Channel 5775 MHz		N/A	N/A	5	N/A	N/A	N/A
802.11(n) HT, MCS8							
20 MHz							
Low Channel 5180 MHz		959.57 us	1.037 ms	1	92.6	N/A	N/A
Low Channel 5180 MHz		N/A	N/A	5	N/A	N/A	N/A
High Channel 5240 MHz		960.67 us	1.213 ms	1	79.2	N/A	N/A
High Channel 5240 MHz		N/A	N/A	6	N/A	N/A	N/A
Low Channel 5745 MHz		960.3 us	1.041 ms	1	92.3	N/A	N/A
Low Channel 5745 MHz		N/A	N/A	5	N/A	N/A	N/A
Mid Channel 5785 MHz		959.53 us	1.043 ms	1	92	N/A	N/A
Mid Channel 5785 MHz		N/A	N/A	5	N/A	N/A	N/A
High Channel 5825 MHz		960.63 us	1.041 ms	1	92.3	N/A	N/A
High Channel 5825 MHz		N/A	N/A	6	N/A	N/A	N/A
40 MHz							
Low Channel 5190 MHz		487.367 us	556.5 us	1	87.6	N/A	N/A
Low Channel 5190 MHz		N/A	N/A	5	N/A	N/A	N/A
High Channel 5230 MHz		488.547 us	560.1 us	1	87.2	N/A	N/A
High Channel 5230 MHz		N/A	N/A	5	N/A	N/A	N/A
Low Channel 5755 MHz		487.612 us	553.5 us	1	88.1	N/A	N/A
Low Channel 5755 MHz		N/A	N/A	5	N/A	N/A	N/A
High Channel 5795 MHz		487.067 us	556.5 us	1	87.5	N/A	N/A
High Channel 5795 MHz		N/A	N/A	5	N/A	N/A	N/A
802.11(ac) VHT, MCS8 (256-QAM)							
20 MHz							
Low Channel 5180 MHz		189.012 us	269.3 us	1	70.2	N/A	N/A
Low Channel 5180 MHz		N/A	N/A	5	N/A	N/A	N/A
High Channel 5240 MHz		192.879 us	262.5 us	1	73.5	N/A	N/A
High Channel 5240 MHz		N/A	N/A	5	N/A	N/A	N/A
Low Channel 5745 MHz		187.979 us	266.2 us	1	70.6	N/A	N/A
Low Channel 5745 MHz		N/A	N/A	5	N/A	N/A	N/A
Mid Channel 5785 MHz		188.712 us	264.9 us	1	71.2	N/A	N/A
Mid Channel 5785 MHz		N/A	N/A	5	N/A	N/A	N/A
High Channel 5825 MHz		187.835 us	261.8 us	1	71.7	N/A	N/A
High Channel 5825 MHz		N/A	N/A	5	N/A	N/A	N/A
802.11(ac) VHT, MCS9 (256-QAM)							
80 MHz							

DUTY CYCLE

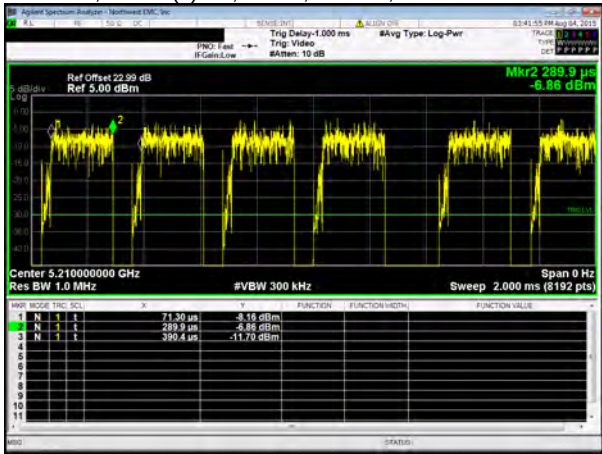
			Number of Value Limit			Results
	Pulse Width	Period	Pulses	(%)	(%)	
Low Channel 5210 MHz	70.536 us	145.452 us	1	48.5	N/A	N/A
Low Channel 5210 MHz	N/A	N/A	4	N/A	N/A	N/A
Low Channel 5775 MHz	71.512 us	137.4 us	1	52	N/A	N/A
Low Channel 5775 MHz	N/A	N/A	5	N/A	N/A	N/A
40 MHz						
Low Channel 5190 MHz	107.712 us	176.1 us	1	61.2	N/A	N/A
Low Channel 5190 MHz	N/A	N/A	5	N/A	N/A	N/A
High Channel 5230 MHz	107.467 us	180.4 us	1	59.6	N/A	N/A
High Channel 5230 MHz	N/A	N/A	5	N/A	N/A	N/A
Low Channel 5755 MHz	107.612 us	173.8 us	1	61.9	N/A	N/A
Low Channel 5755 MHz	N/A	N/A	5	N/A	N/A	N/A
High Channel 5795 MHz	107.512 us	176.8 us	1	60.8	N/A	N/A
High Channel 5795 MHz	N/A	N/A	4	N/A	N/A	N/A
802.11(n) HT, MCS15						
20 MHz						
Low Channel 5180 MHz	132.519 us	207.711 us	1	63.8	N/A	N/A
Low Channel 5180 MHz	N/A	N/A	5	N/A	N/A	N/A
High Channel 5240 MHz	127.735 us	201.5 us	1	63.4	N/A	N/A
High Channel 5240 MHz	N/A	N/A	5	N/A	N/A	N/A
Low Channel 5745 MHz	134.012 us	202.9 us	1	66	N/A	N/A
Low Channel 5745 MHz	N/A	N/A	4	N/A	N/A	N/A
Mid Channel 5785 MHz	134.812 us	206.1 us	1	65.4	N/A	N/A
Mid Channel 5785 MHz	N/A	N/A	5	N/A	N/A	N/A
High Channel 5825 MHz	126.514 us	201.5 us	1	62.8	N/A	N/A
High Channel 5825 MHz	N/A	N/A	5	N/A	N/A	N/A
40 MHz						
Low Channel 5190 MHz	87.223 us	156.3 us	1	55.8	N/A	N/A
Low Channel 5190 MHz	N/A	N/A	5	N/A	N/A	N/A
High Channel 5230 MHz	87.167 us	156.3 us	1	55.8	N/A	N/A
High Channel 5230 MHz	N/A	N/A	4	N/A	N/A	N/A
Low Channel 5755 MHz	86.435 us	154.1 us	1	56.1	N/A	N/A
Low Channel 5755 MHz	N/A	N/A	5	N/A	N/A	N/A
High Channel 5795 MHz	86.435 us	156.3 us	1	55.3	N/A	N/A
High Channel 5795 MHz	N/A	N/A	4	N/A	N/A	N/A

Jonathan Kiefer

Tested By

DUTY CYCLE

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



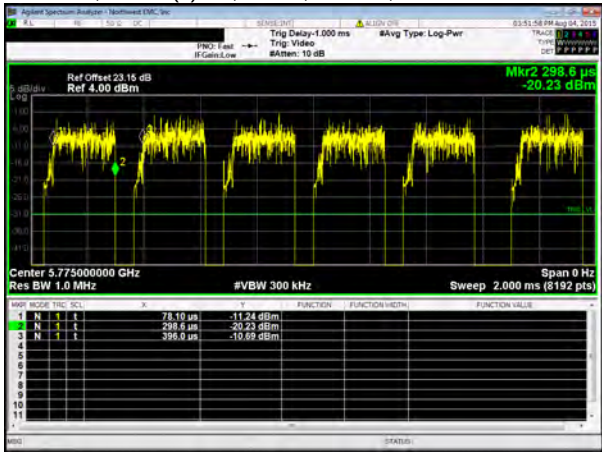
Pulse Width	218.567 us
Period	319.1 us
Number of Pulses	1
Value (%)	68.5
Limit (%)	N/A
Results	N/A

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



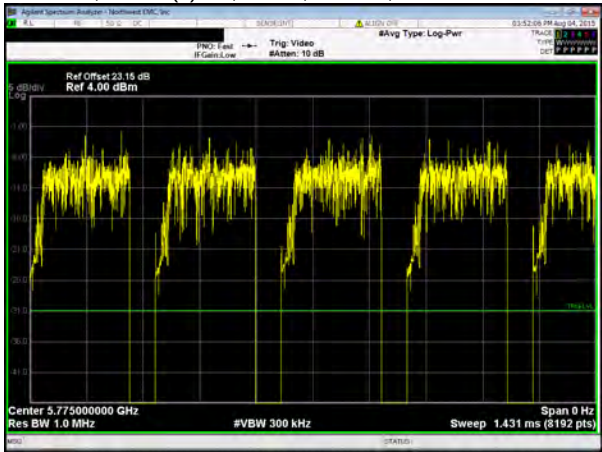
Pulse Width	N/A
Period	N/A
Number of Pulses	6
Value (%)	N/A
Limit (%)	N/A
Results	N/A

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



Pulse Width	220.512 us
Period	317.9 us
Number of Pulses	1
Value (%)	69.4
Limit (%)	N/A
Results	N/A

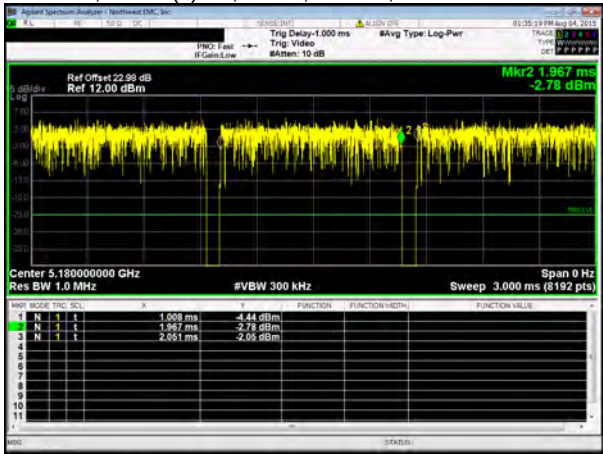
Chain A, 802.11(n) HT, MCS0, 80 MHz, Low Channel 5775 MHz



Pulse Width	N/A
Period	N/A
Number of Pulses	5
Value (%)	N/A
Limit (%)	N/A
Results	N/A

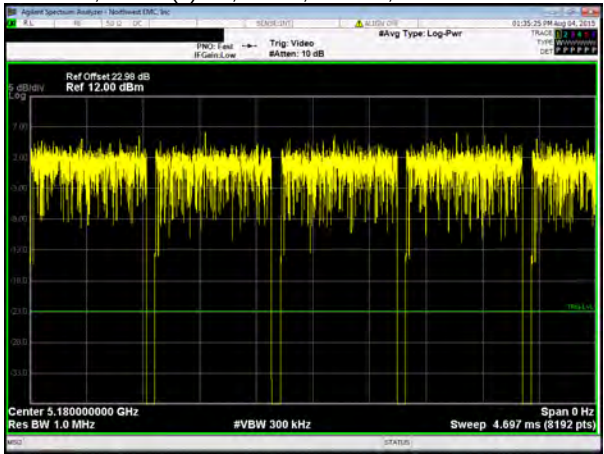
DUTY CYCLE

Chain A, 802.11(n) HT, MCS8, 20 MHz, Low Channel 5180 MHz



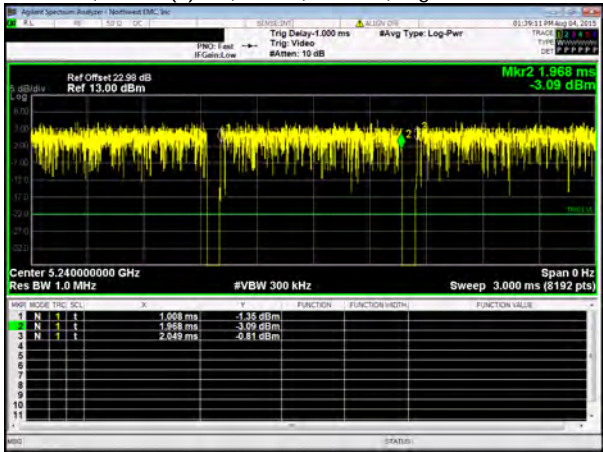
Pulse Width	959.53 us
Period	1.044 ms
Number of Pulses	1
Value (%)	91.9
Limit (%)	N/A
Results	N/A

Chain A, 802.11(n) HT, MCS8, 20 MHz, Low Channel 5180 MHz



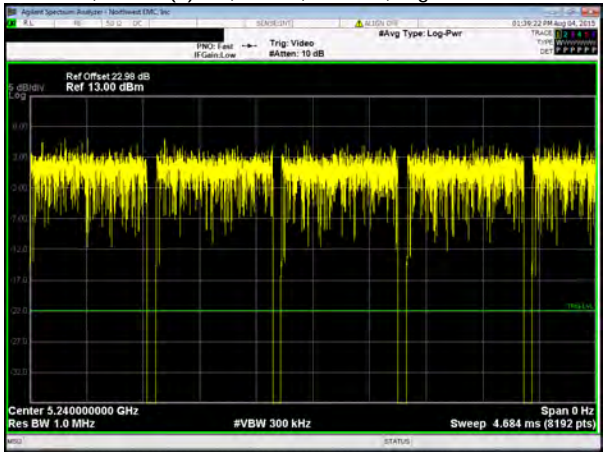
Pulse Width	N/A
Period	N/A
Number of Pulses	5
Value (%)	N/A
Limit (%)	N/A
Results	N/A

Chain A, 802.11(n) HT, MCS8, 20 MHz, High Channel 5240 MHz



Pulse Width	959.6 us
Period	1.041 ms
Number of Pulses	1
Value (%)	92.2
Limit (%)	N/A
Results	N/A

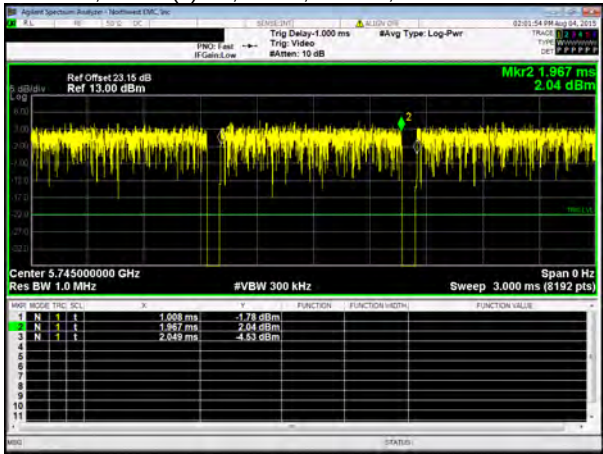
Chain A, 802.11(n) HT, MCS8, 20 MHz, High Channel 5240 MHz



Pulse Width	N/A
Period	N/A
Number of Pulses	5
Value (%)	N/A
Limit (%)	N/A
Results	N/A

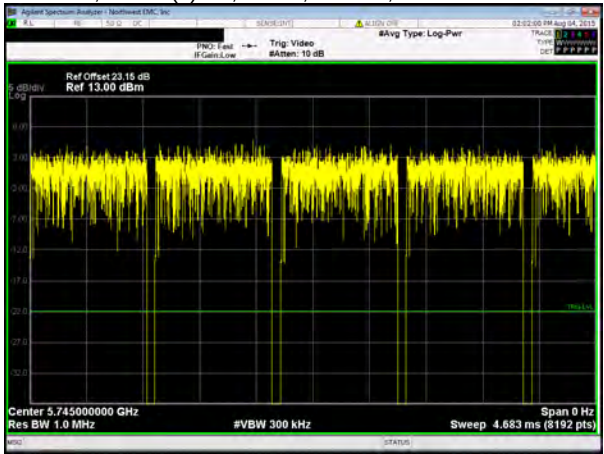
DUTY CYCLE

Chain A, 802.11(n) HT, MCS8, 20 MHz, Low Channel 5745 MHz



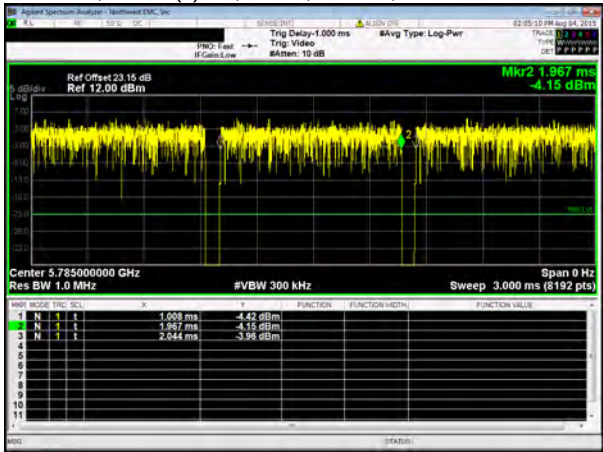
Pulse Width	958.87 us
Period	1.041 ms
Number of Pulses	1
Value (%)	92.1
Limit (%)	N/A
Results	N/A

Chain A, 802.11(n) HT, MCS8, 20 MHz, Low Channel 5745 MHz



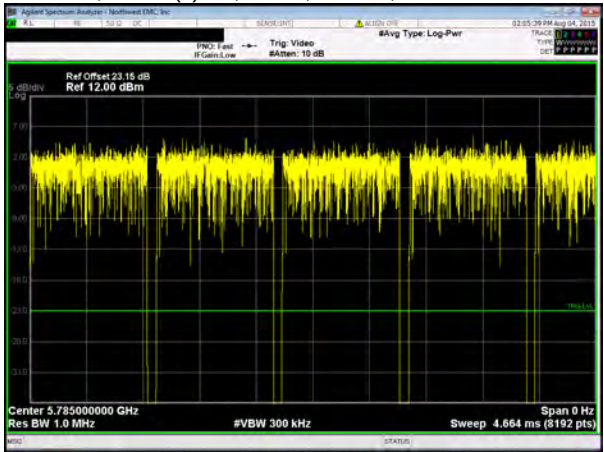
Pulse Width	N/A
Period	N/A
Number of Pulses	5
Value (%)	N/A
Limit (%)	N/A
Results	N/A

Chain A, 802.11(n) HT, MCS8, 20 MHz, Mid Channel 5785 MHz



Pulse Width	959.53 us
Period	1.037 ms
Number of Pulses	1
Value (%)	92.6
Limit (%)	N/A
Results	N/A

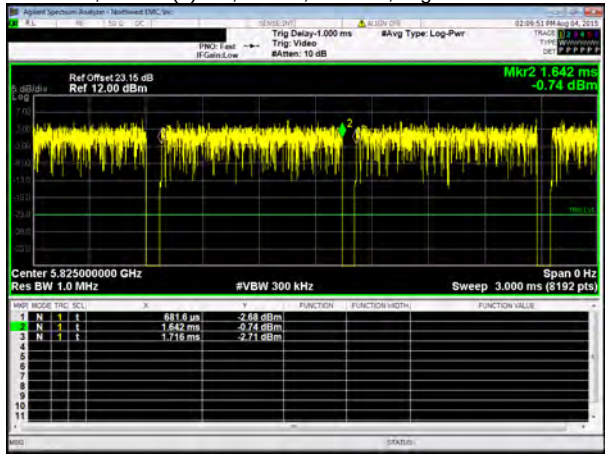
Chain A, 802.11(n) HT, MCS8, 20 MHz, Mid Channel 5785 MHz



Pulse Width	N/A
Period	N/A
Number of Pulses	5
Value (%)	N/A
Limit (%)	N/A
Results	N/A

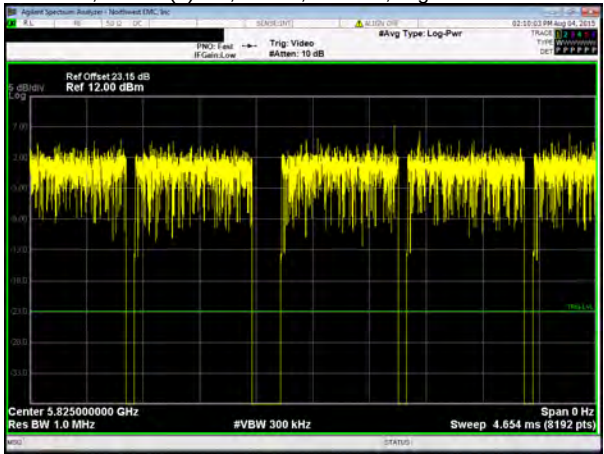
DUTY CYCLE

Chain A, 802.11(n) HT, MCS8, 20 MHz, High Channel 5825 MHz



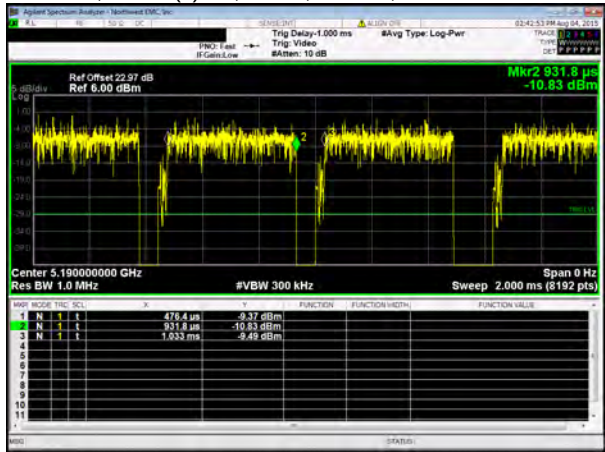
Pulse Width	960 us
Period	1.034 ms
Number of Pulses	1
Value (%)	92.8
Limit (%)	N/A
Results	N/A

Chain A, 802.11(n) HT, MCS8, 20 MHz, High Channel 5825 MHz



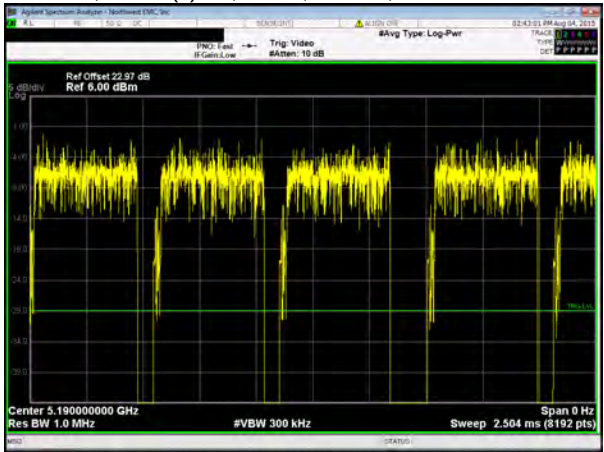
Pulse Width	N/A
Period	N/A
Number of Pulses	5
Value (%)	N/A
Limit (%)	N/A
Results	N/A

Chain A, 802.11(n) HT, MCS8, 40 MHz, Low Channel 5190 MHz



Pulse Width	455.367 us
Period	556.4 us
Number of Pulses	1
Value (%)	81.8
Limit (%)	N/A
Results	N/A

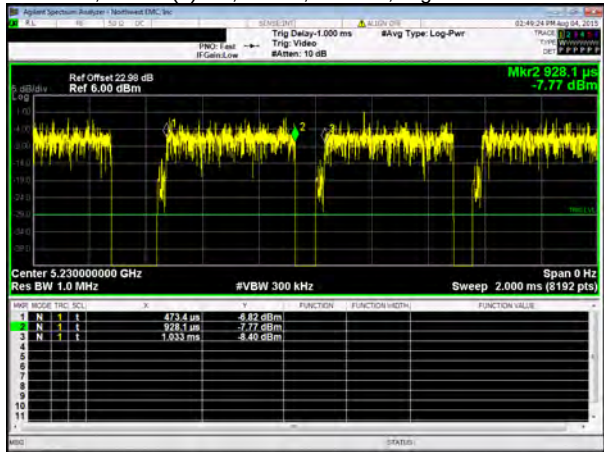
Chain A, 802.11(n) HT, MCS8, 40 MHz, Low Channel 5190 MHz



Pulse Width	N/A
Period	N/A
Number of Pulses	6
Value (%)	N/A
Limit (%)	N/A
Results	N/A

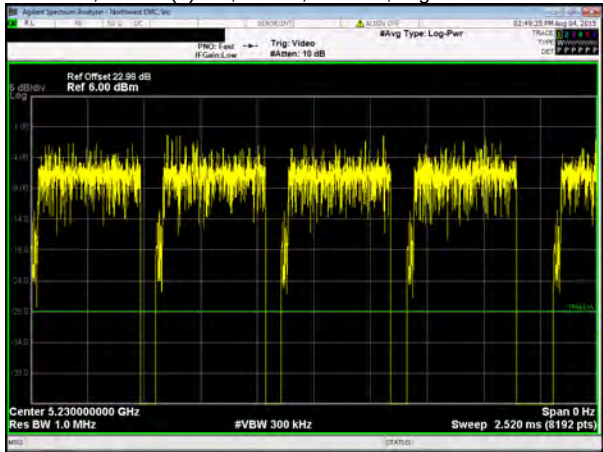
DUTY CYCLE

Chain A, 802.11(n) HT, MCS8, 40 MHz, High Channel 5230 MHz



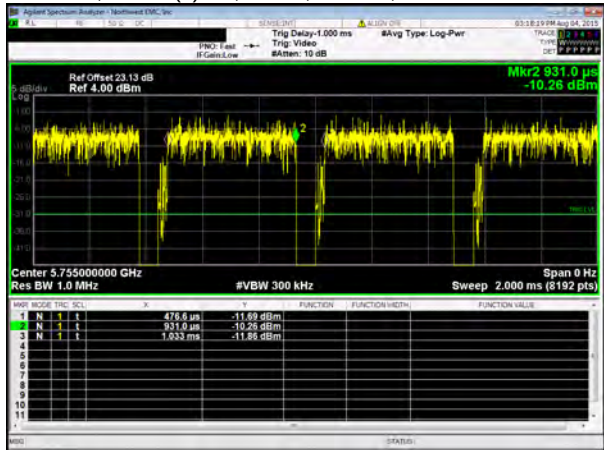
Pulse Width	454.712 us
Period	559.9 us
Number of Pulses	1
Value (%)	81.2
Limit (%)	N/A
Results	N/A

Chain A, 802.11(n) HT, MCS8, 40 MHz, High Channel 5230 MHz



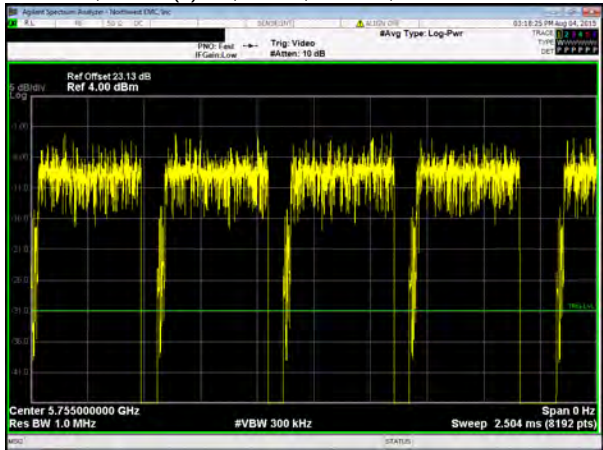
Pulse Width	N/A
Period	N/A
Number of Pulses	5
Value (%)	N/A
Limit (%)	N/A
Results	N/A

Chain A, 802.11(n) HT, MCS8, 40 MHz, Low Channel 5755 MHz



Pulse Width	454.435 us
Period	556.5 us
Number of Pulses	1
Value (%)	81.7
Limit (%)	N/A
Results	N/A

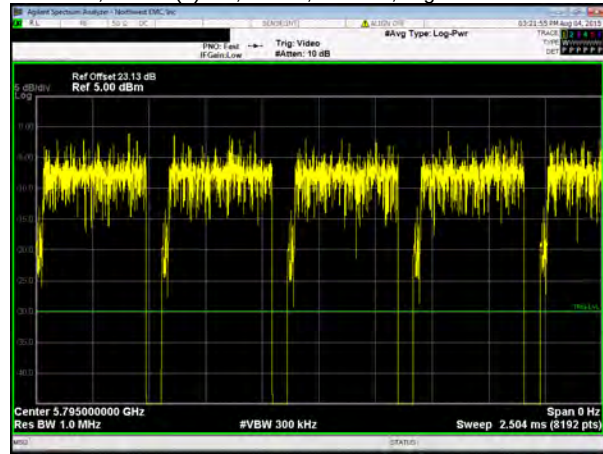
Chain A, 802.11(n) HT, MCS8, 40 MHz, Low Channel 5755 MHz



Pulse Width	N/A
Period	N/A
Number of Pulses	6
Value (%)	N/A
Limit (%)	N/A
Results	N/A

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Chain A, 802.11(n) HT, MCS8, 40 MHz, High Channel 5795 MHz



Pulse Width	N/A
Period	N/A
Number of Pulses	5
Value (%)	N/A
Limit (%)	N/A
Results	N/A

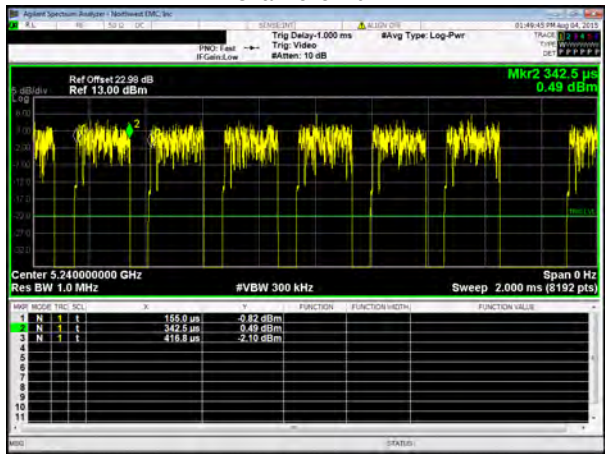
Chain A, 802.11(ac) VHT, MCS8 (256-QAM), 20 MHz, Low
Channel 5180 MHz



Pulse Width	N/A
Period	N/A
Number of Pulses	5
Value (%)	N/A
Limit (%)	N/A
Results	N/A

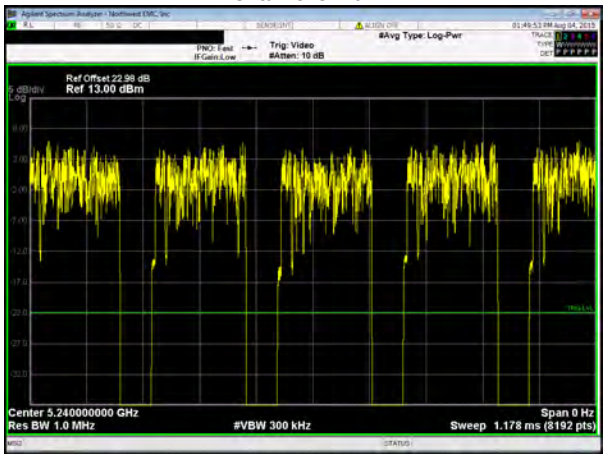
DUTY CYCLE

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



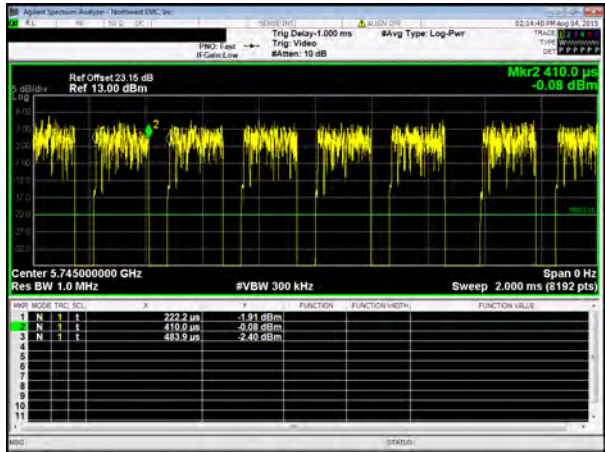
Pulse Width	187.523 us
Period	261.8 us
Number of Pulses	1
Value (%)	71.6
Limit (%)	N/A
Results	N/A

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



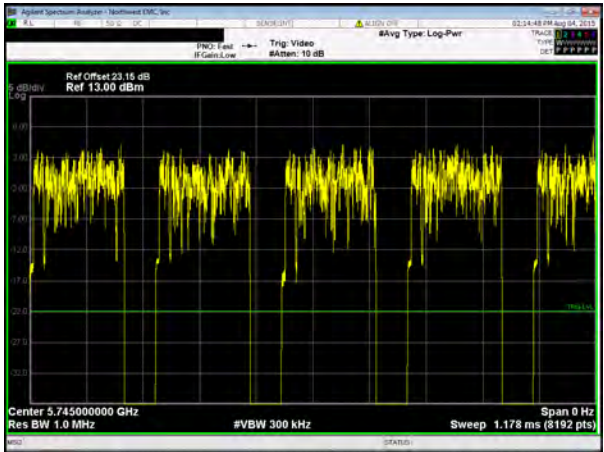
Pulse Width	N/A
Period	N/A
Number of Pulses	5
Value (%)	N/A
Limit (%)	N/A
Results	N/A

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



Pulse Width	187.767 us
Period	261.7 us
Number of Pulses	1
Value (%)	71.7
Limit (%)	N/A
Results	N/A

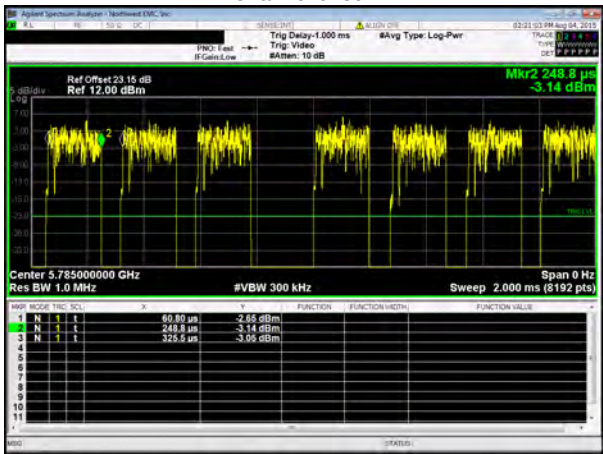
Chain A, 802.11(ac) VHT, MCS8 (256-QAM), 20 MHz, Low
Channel 5745 MHz



Pulse Width	N/A
Period	N/A
Number of Pulses	5
Value (%)	N/A
Limit (%)	N/A
Results	N/A

DUTY CYCLE

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



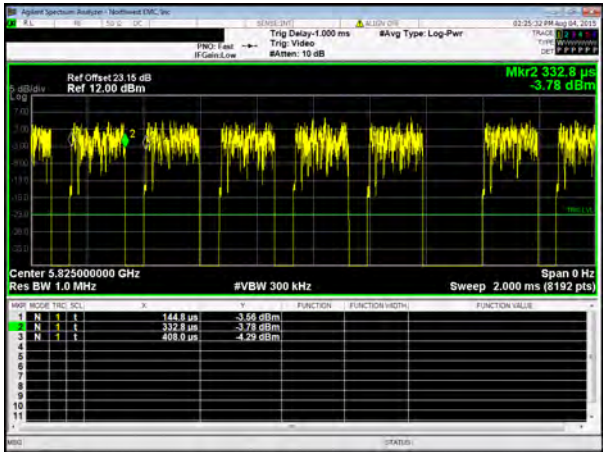
Pulse Width	188.012 us
Period	264.7 us
Number of Pulses	1
Value (%)	71
Limit (%)	N/A
Results	N/A

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



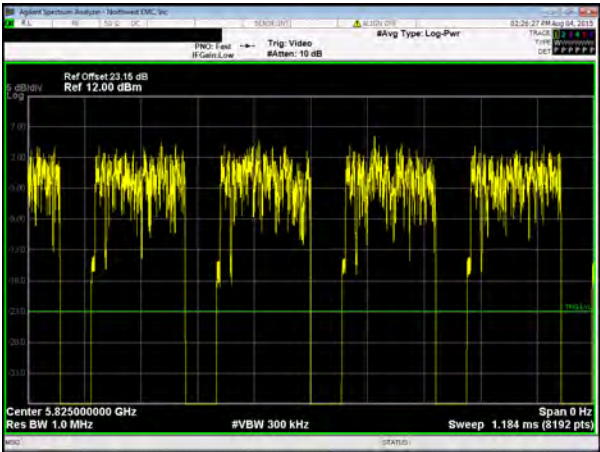
Pulse Width	N/A
Period	N/A
Number of Pulses	5
Value (%)	N/A
Limit (%)	N/A
Results	N/A

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



Pulse Width	187.967 us
Period	263.2 us
Number of Pulses	1
Value (%)	71.4
Limit (%)	N/A
Results	N/A

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



Pulse Width	N/A
Period	N/A
Number of Pulses	5
Value (%)	N/A
Limit (%)	N/A
Results	N/A

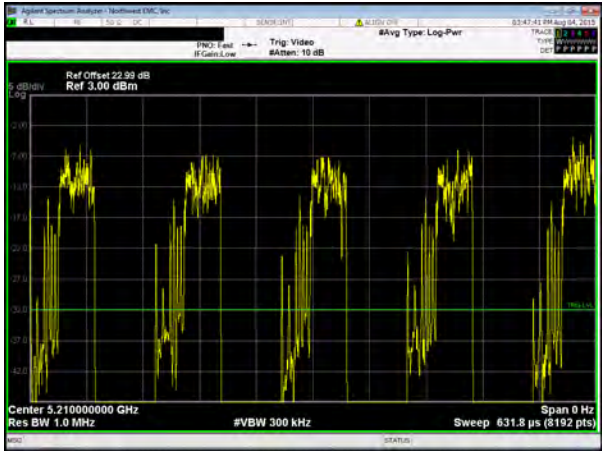
DUTY CYCLE

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



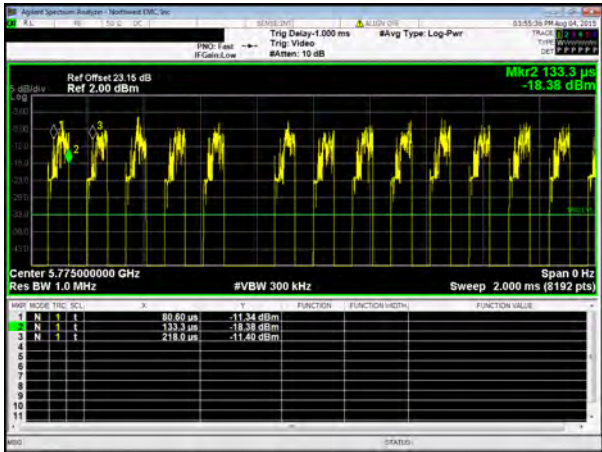
Pulse Width	52.212 us
Period	140.4 us
Number of Pulses	1
Value (%)	37.2
Limit (%)	N/A
Results	N/A

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



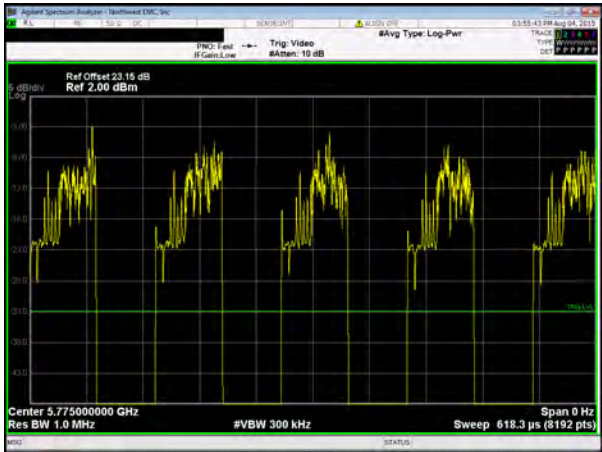
Pulse Width	N/A
Period	N/A
Number of Pulses	6
Value (%)	N/A
Limit (%)	N/A
Results	N/A

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



Pulse Width	52.712 us
Period	137.4 us
Number of Pulses	1
Value (%)	38.4
Limit (%)	N/A
Results	N/A

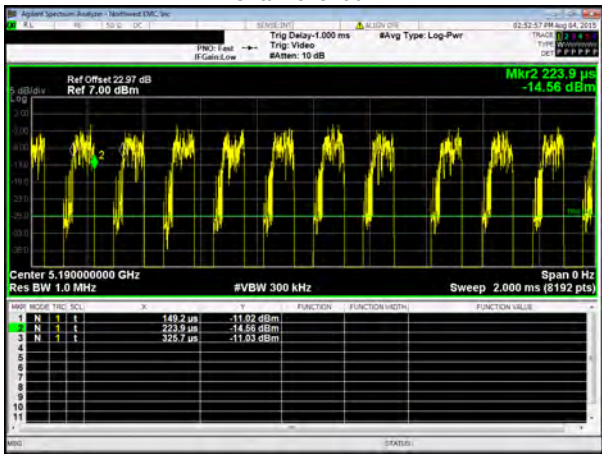
Chain A, 802.11(ac) VHT, MCS9 (256-QAM), 80 MHz, Low
Channel 5775 MHz



Pulse Width	N/A
Period	N/A
Number of Pulses	5
Value (%)	N/A
Limit (%)	N/A
Results	N/A

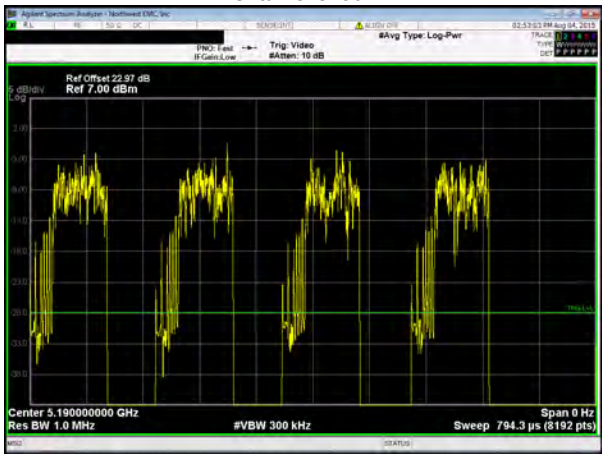
DUTY CYCLE

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



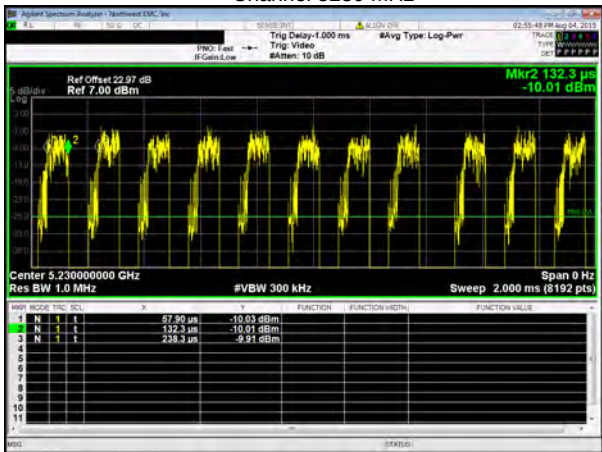
Pulse Width	74.723 us
Period	176.5 us
Number of Pulses	1
Value (%)	42.3
Limit (%)	N/A
Results	N/A

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



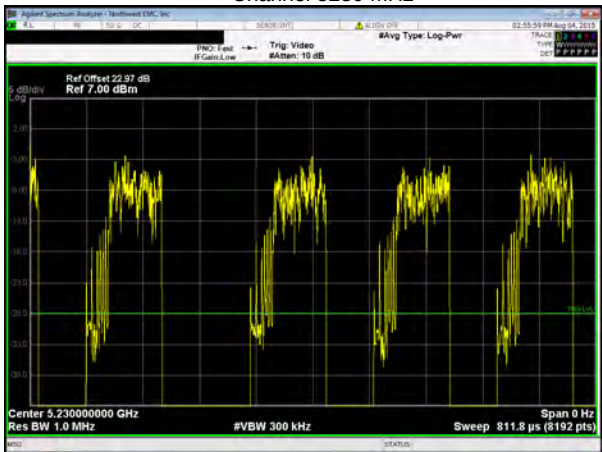
Pulse Width	N/A
Period	N/A
Number of Pulses	5
Value (%)	N/A
Limit (%)	N/A
Results	N/A

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



Pulse Width	74.423 us
Period	180.4 us
Number of Pulses	1
Value (%)	41.3
Limit (%)	N/A
Results	N/A

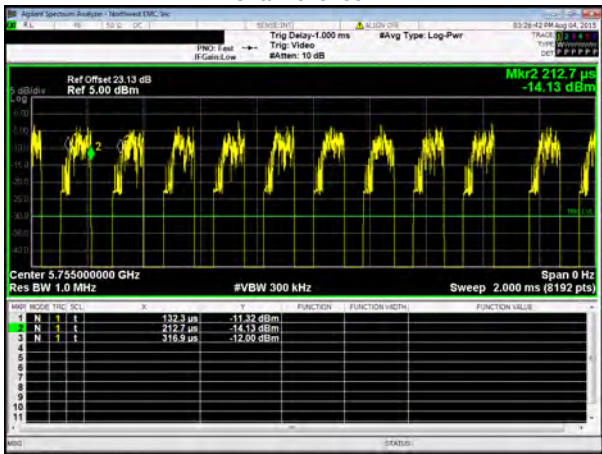
Chain A, 802.11(ac) VHT, MCS9 (256-QAM), 40 MHz, High
Channel 5230 MHz



Pulse Width	N/A
Period	N/A
Number of Pulses	5
Value (%)	N/A
Limit (%)	N/A
Results	N/A

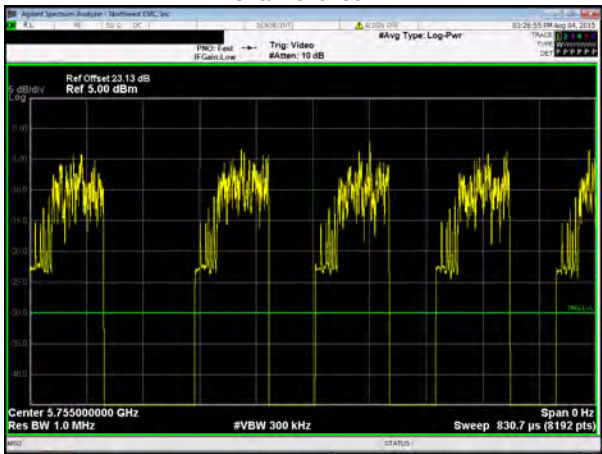
DUTY CYCLE

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



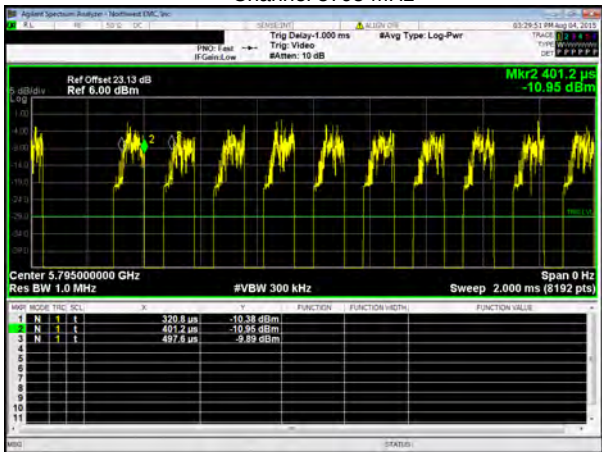
Pulse Width	80.412 us
Period	184.6 us
Number of Pulses	1
Value (%)	43.6
Limit (%)	N/A
Results	N/A

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



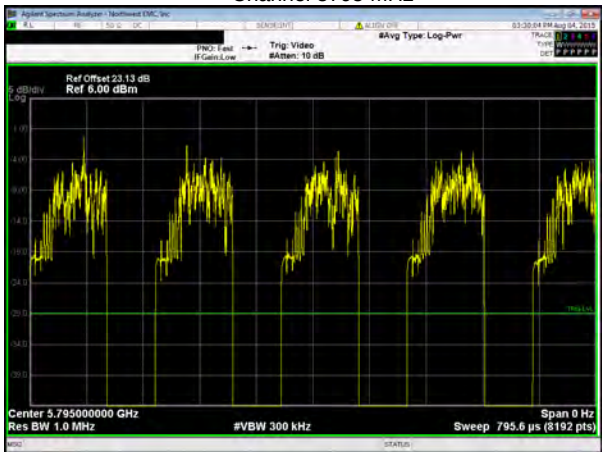
Pulse Width	N/A
Period	N/A
Number of Pulses	5
Value (%)	N/A
Limit (%)	N/A
Results	N/A

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



Pulse Width	80.367 us
Period	176.8 us
Number of Pulses	1
Value (%)	45.5
Limit (%)	N/A
Results	N/A

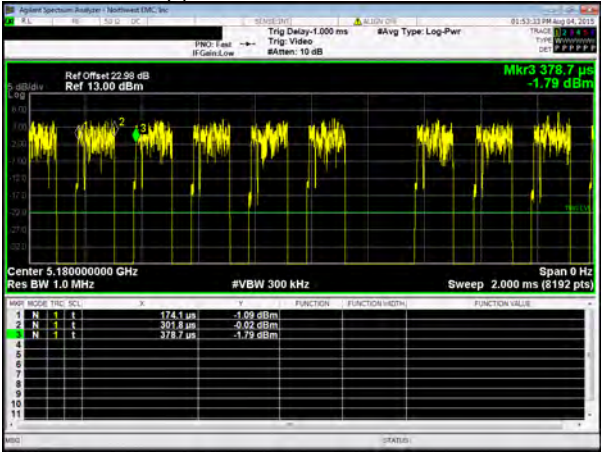
Chain A, 802.11(ac) VHT, MCS9 (256-QAM), 40 MHz, High
Channel 5795 MHz



Pulse Width	N/A
Period	N/A
Number of Pulses	5
Value (%)	N/A
Limit (%)	N/A
Results	N/A

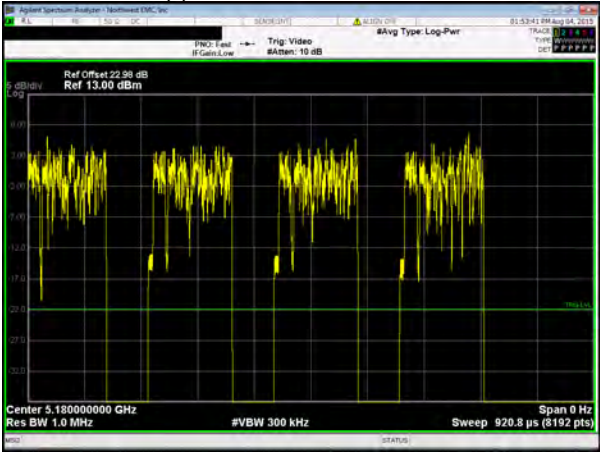
DUTY CYCLE

Chain A, 802.11(n) HT, MCS15, 20 MHz, Low Channel 5180 MHz



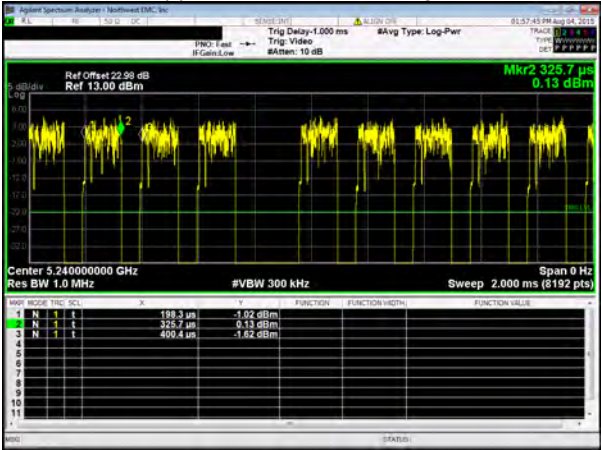
Pulse Width	127.724 us
Period	204.63 us
Number of Pulses	1
Value (%)	62.4
Limit (%)	N/A
Results	N/A

Chain A, 802.11(n) HT, MCS15, 20 MHz, Low Channel 5180 MHz



Pulse Width	N/A
Period	N/A
Number of Pulses	4
Value (%)	N/A
Limit (%)	N/A
Results	N/A

Chain A, 802.11(n) HT, MCS15, 20 MHz, High Channel 5240 MHz



Pulse Width	127.379 us
Period	202.1 us
Number of Pulses	1
Value (%)	63
Limit (%)	N/A
Results	N/A

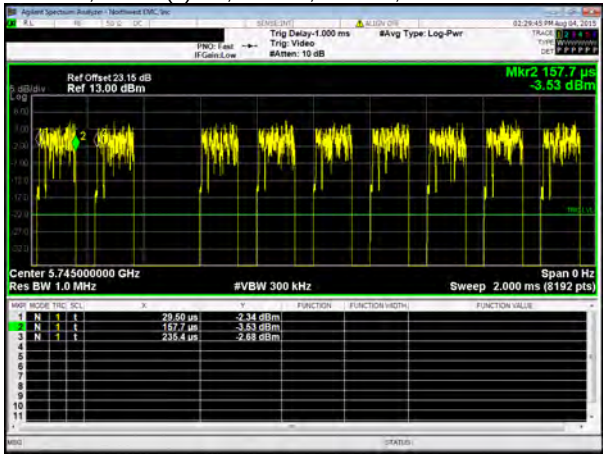
Chain A, 802.11(n) HT, MCS15, 20 MHz, High Channel 5240 MHz



Pulse Width	N/A
Period	N/A
Number of Pulses	5
Value (%)	N/A
Limit (%)	N/A
Results	N/A

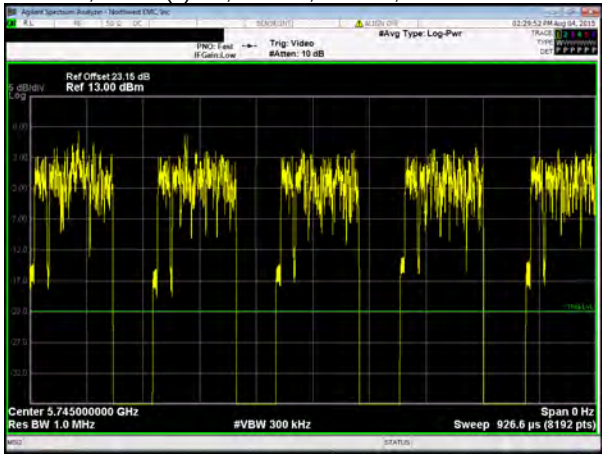
DUTY CYCLE

Chain A, 802.11(n) HT, MCS15, 20 MHz, Low Channel 5745 MHz



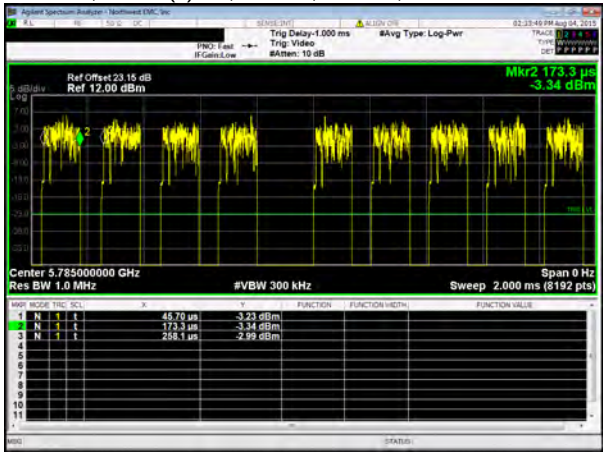
Pulse Width	128.212 us
Period	205.9 us
Number of Pulses	1
Value (%)	62.3
Limit (%)	N/A
Results	N/A

Chain A, 802.11(n) HT, MCS15, 20 MHz, Low Channel 5745 MHz



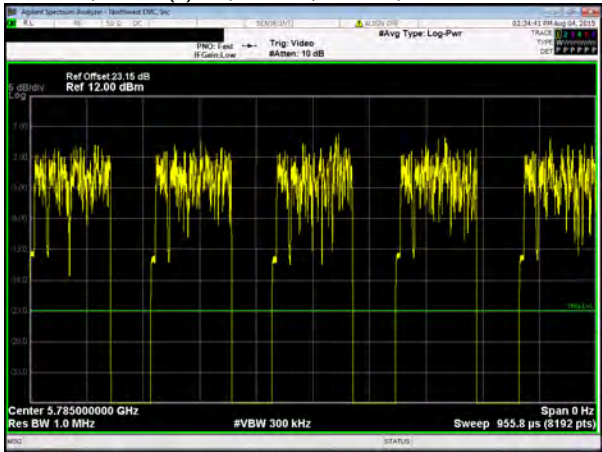
Pulse Width	N/A
Period	N/A
Number of Pulses	5
Value (%)	N/A
Limit (%)	N/A
Results	N/A

Chain A, 802.11(n) HT, MCS15, 20 MHz, Mid Channel 5785 MHz



Pulse Width	127.623 us
Period	212.4 us
Number of Pulses	1
Value (%)	60.1
Limit (%)	N/A
Results	N/A

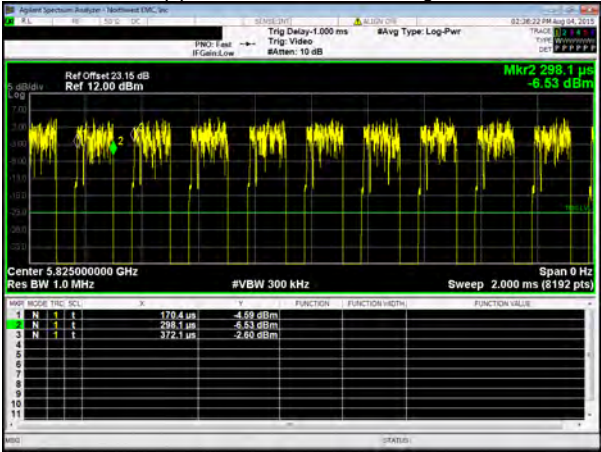
Chain A, 802.11(n) HT, MCS15, 20 MHz, Mid Channel 5785 MHz



Pulse Width	N/A
Period	N/A
Number of Pulses	5
Value (%)	N/A
Limit (%)	N/A
Results	N/A

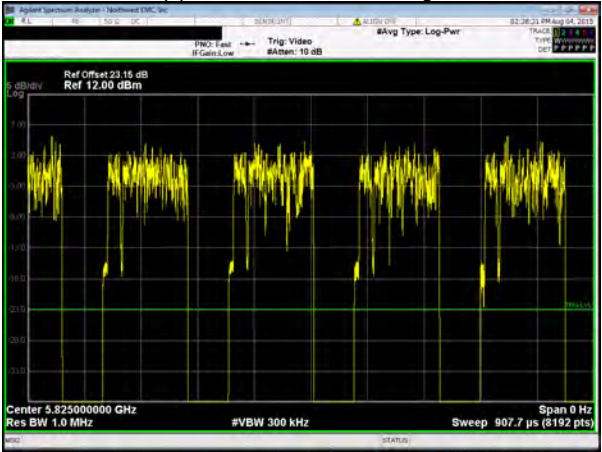
DUTY CYCLE

Chain A, 802.11(n) HT, MCS15, 20 MHz, High Channel 5825 MHz



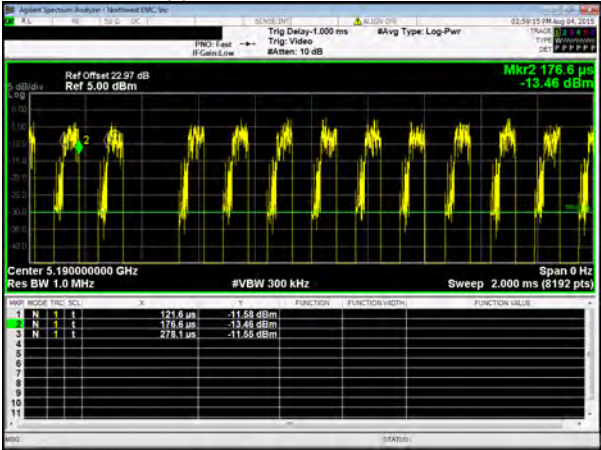
Pulse Width	127.723 us
Period	201.7 us
Number of Pulses	1
Value (%)	63.3
Limit (%)	N/A
Results	N/A

Chain A, 802.11(n) HT, MCS15, 20 MHz, High Channel 5825 MHz



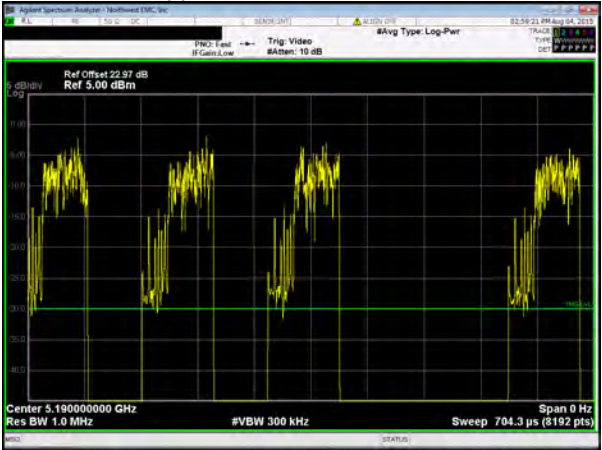
Pulse Width	N/A
Period	N/A
Number of Pulses	5
Value (%)	N/A
Limit (%)	N/A
Results	N/A

Chain A, 802.11(n) HT, MCS15, 40 MHz, Low Channel 5190 MHz



Pulse Width	54.967 us
Period	156.5 us
Number of Pulses	1
Value (%)	35.1
Limit (%)	N/A
Results	N/A

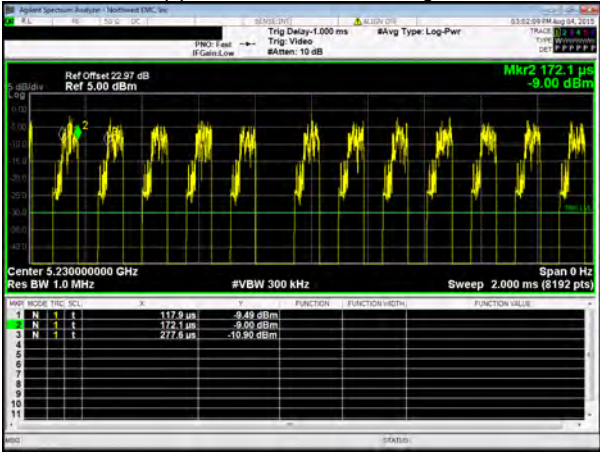
Chain A, 802.11(n) HT, MCS15, 40 MHz, Low Channel 5190 MHz



Pulse Width	N/A
Period	N/A
Number of Pulses	5
Value (%)	N/A
Limit (%)	N/A
Results	N/A

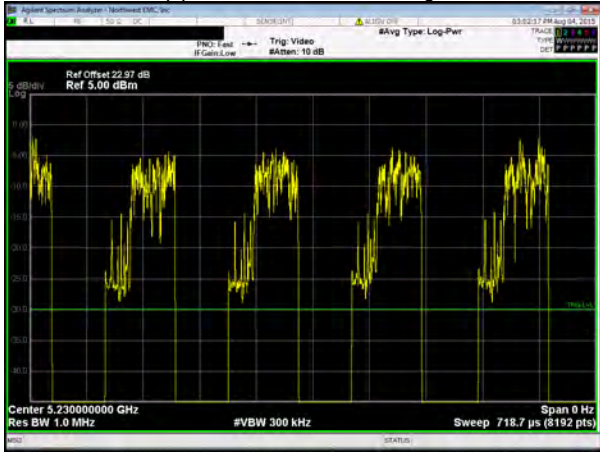
DUTY CYCLE

Chain A, 802.11(n) HT, MCS15, 40 MHz, High Channel 5230 MHz



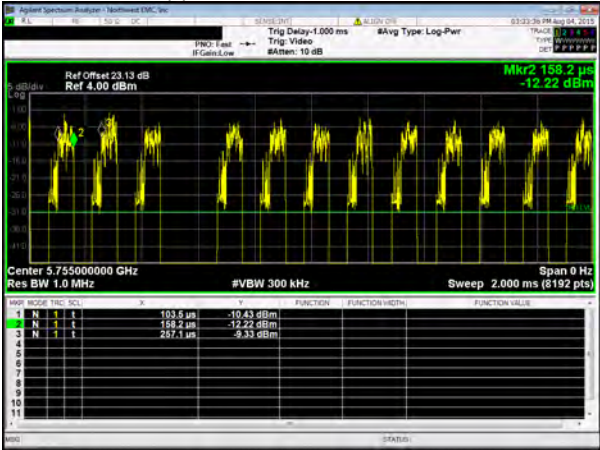
Pulse Width	54.223 us
Period	159.7 us
Number of Pulses	1
Value (%)	34
Limit (%)	N/A
Results	N/A

Chain A, 802.11(n) HT, MCS15, 40 MHz, High Channel 5230 MHz



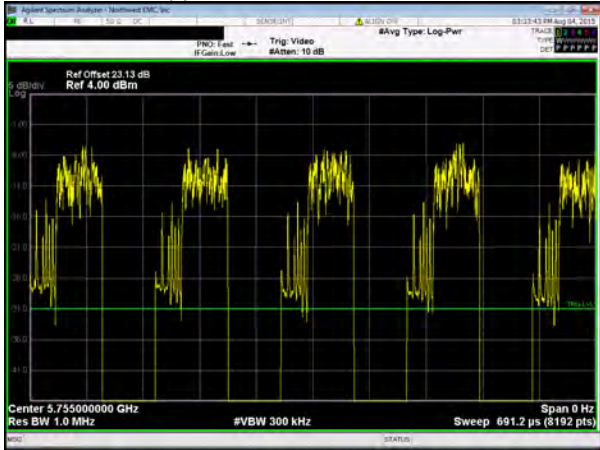
Pulse Width	N/A
Period	N/A
Number of Pulses	5
Value (%)	N/A
Limit (%)	N/A
Results	N/A

Chain A, 802.11(n) HT, MCS15, 40 MHz, Low Channel 5755 MHz



Pulse Width	54.712 us
Period	153.6 us
Number of Pulses	1
Value (%)	35.6
Limit (%)	N/A
Results	N/A

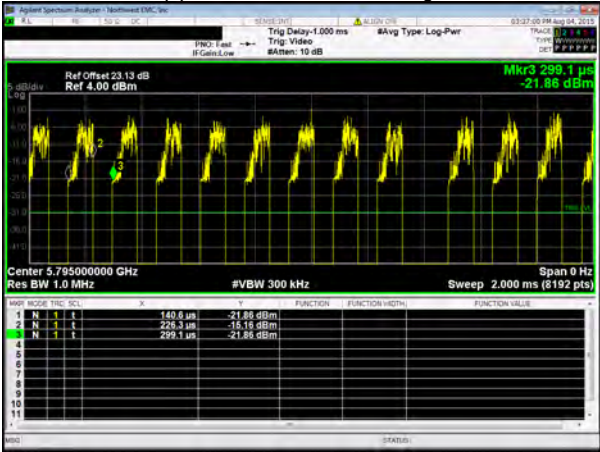
Chain A, 802.11(n) HT, MCS15, 40 MHz, Low Channel 5755 MHz



Pulse Width	N/A
Period	N/A
Number of Pulses	6
Value (%)	N/A
Limit (%)	N/A
Results	N/A

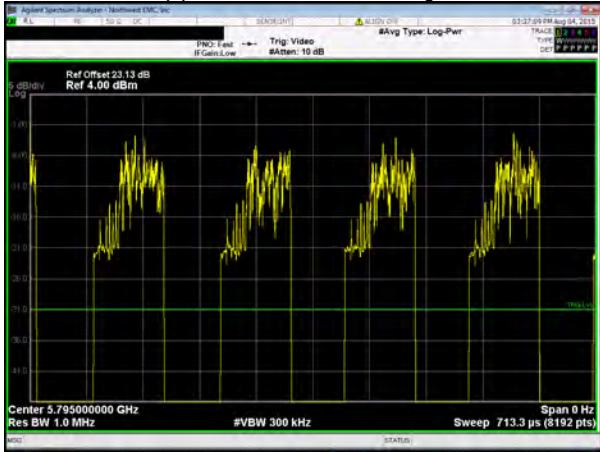
DUTY CYCLE

Chain A, 802.11(n) HT, MCS15, 40 MHz, High Channel 5795 MHz



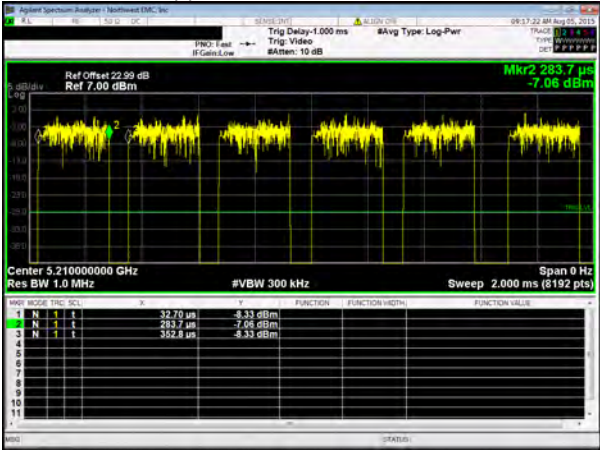
Pulse Width	85.689 us
Period	158.518 us
Number of Pulses	1
Value (%)	54.1
Limit (%)	N/A
Results	N/A

Chain A, 802.11(n) HT, MCS15, 40 MHz, High Channel 5795 MHz



Pulse Width	N/A
Period	N/A
Number of Pulses	5
Value (%)	N/A
Limit (%)	N/A
Results	N/A

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



Pulse Width	251.023 us
Period	320.1 us
Number of Pulses	1
Value (%)	78.4
Limit (%)	N/A
Results	N/A

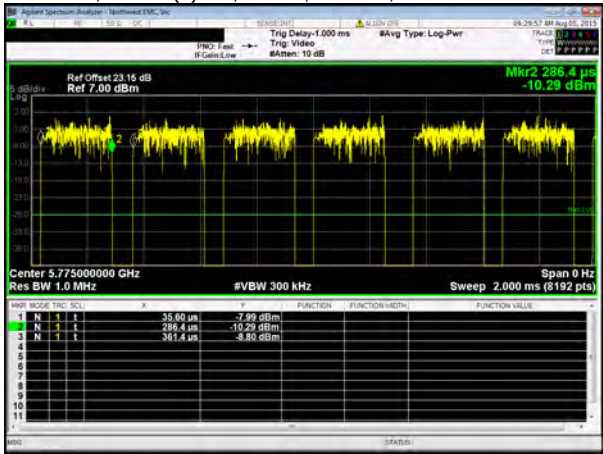
Chain C, 802.11(n) HT, MCS0, 80 MHz, Low Channel 5210 MHz



Pulse Width	N/A
Period	N/A
Number of Pulses	5
Value (%)	N/A
Limit (%)	N/A
Results	N/A

DUTY CYCLE

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



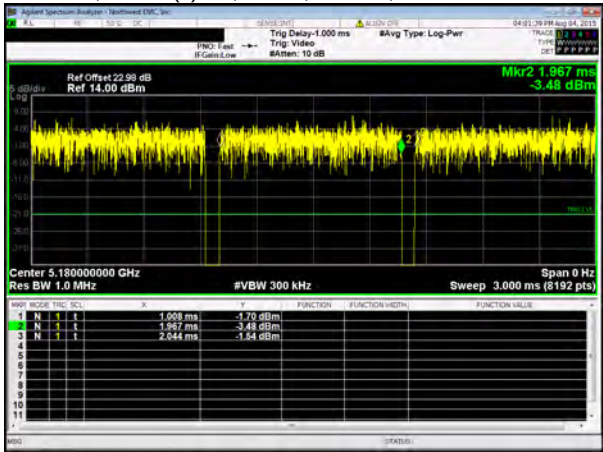
Pulse Width	250.779 us
Period	325.8 us
Number of Pulses	1
Value (%)	77
Limit (%)	N/A
Results	N/A

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



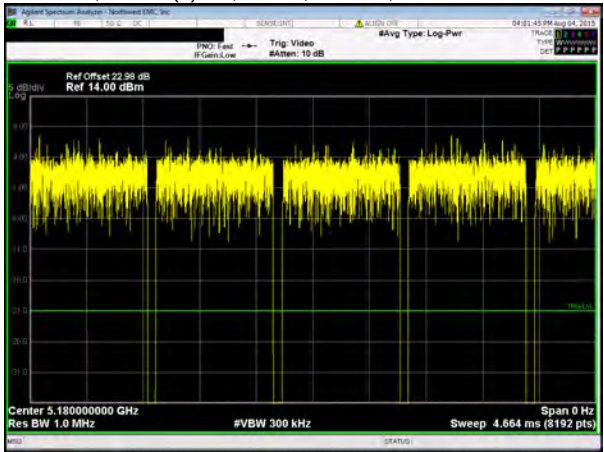
Pulse Width	N/A
Period	N/A
Number of Pulses	5
Value (%)	N/A
Limit (%)	N/A
Results	N/A

Chain C, 802.11(n) HT, MCS8, 20 MHz, Low Channel 5180 MHz



Pulse Width	959.57 us
Period	1.037 ms
Number of Pulses	1
Value (%)	92.6
Limit (%)	N/A
Results	N/A

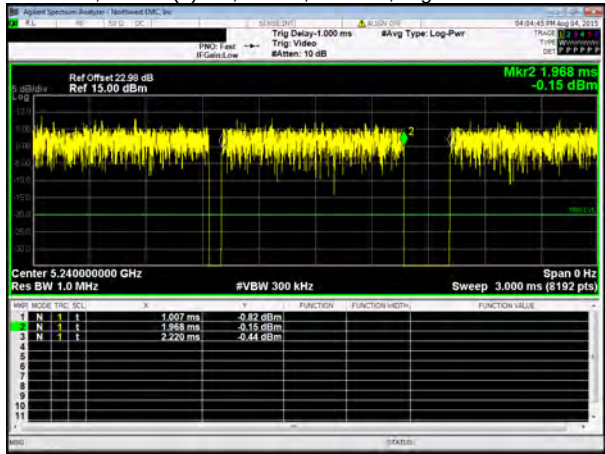
Chain C, 802.11(n) HT, MCS8, 20 MHz, Low Channel 5180 MHz



Pulse Width	N/A
Period	N/A
Number of Pulses	5
Value (%)	N/A
Limit (%)	N/A
Results	N/A

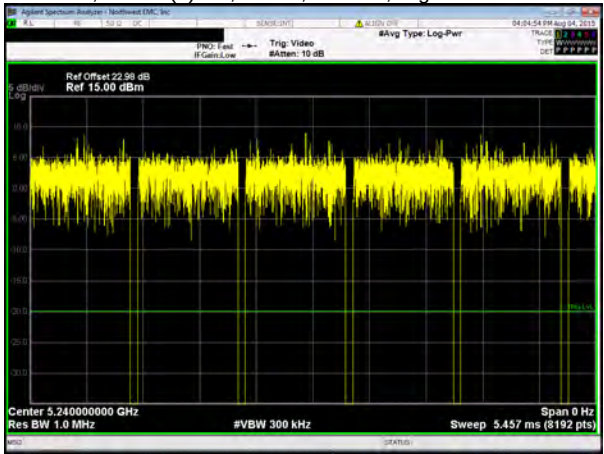
DUTY CYCLE

Chain C, 802.11(n) HT, MCS8, 20 MHz, High Channel 5240 MHz



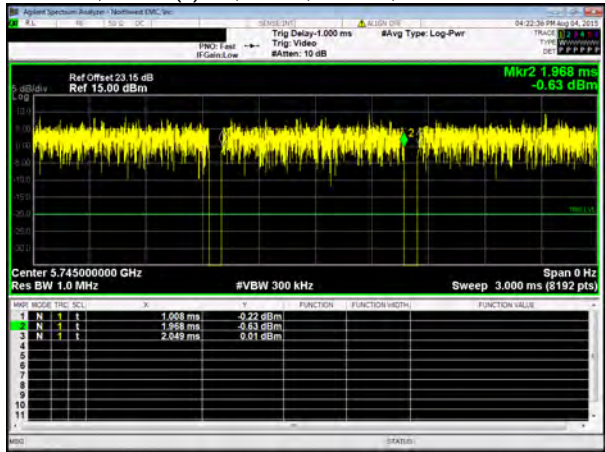
Pulse Width	960.67 us
Period	1.213 ms
Number of Pulses	1
Value (%)	79.2
Limit (%)	N/A
Results	N/A

Chain C, 802.11(n) HT, MCS8, 20 MHz, High Channel 5240 MHz



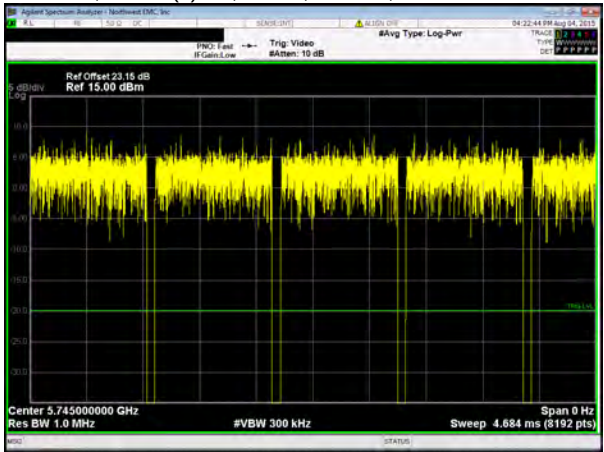
Pulse Width	N/A
Period	N/A
Number of Pulses	6
Value (%)	N/A
Limit (%)	N/A
Results	N/A

Chain C, 802.11(n) HT, MCS8, 20 MHz, Low Channel 5745 MHz



Pulse Width	960.3 us
Period	1.041 ms
Number of Pulses	1
Value (%)	92.3
Limit (%)	N/A
Results	N/A

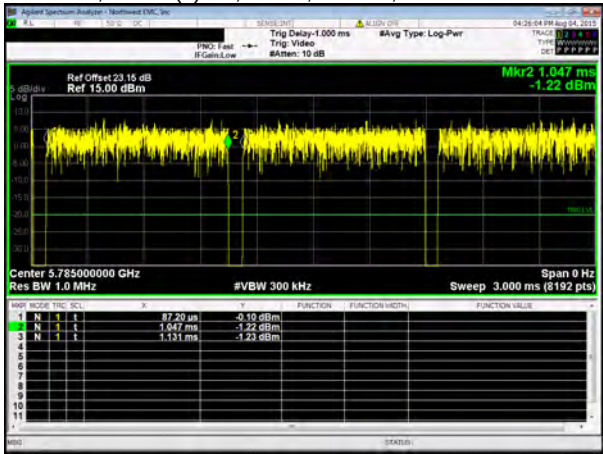
Chain C, 802.11(n) HT, MCS8, 20 MHz, Low Channel 5745 MHz



Pulse Width	N/A
Period	N/A
Number of Pulses	5
Value (%)	N/A
Limit (%)	N/A
Results	N/A

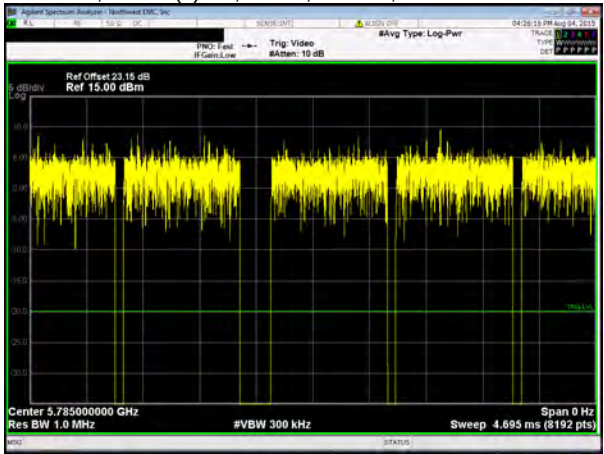
DUTY CYCLE

Chain C, 802.11(n) HT, MCS8, 20 MHz, Mid Channel 5785 MHz



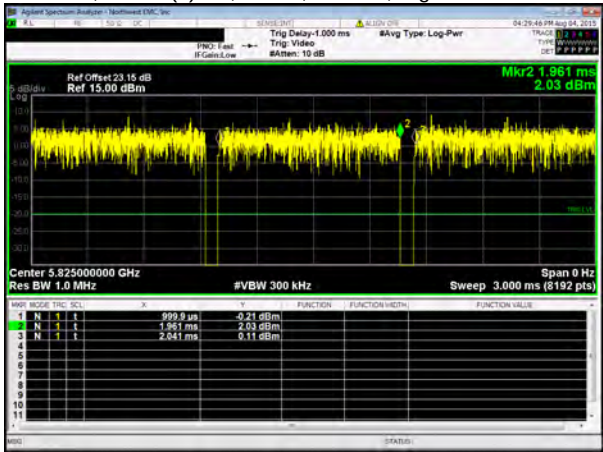
Pulse Width	959.53 us
Period	1.043 ms
Number of Pulses	1
Value (%)	92
Limit (%)	N/A
Results	N/A

Chain C, 802.11(n) HT, MCS8, 20 MHz, Mid Channel 5785 MHz



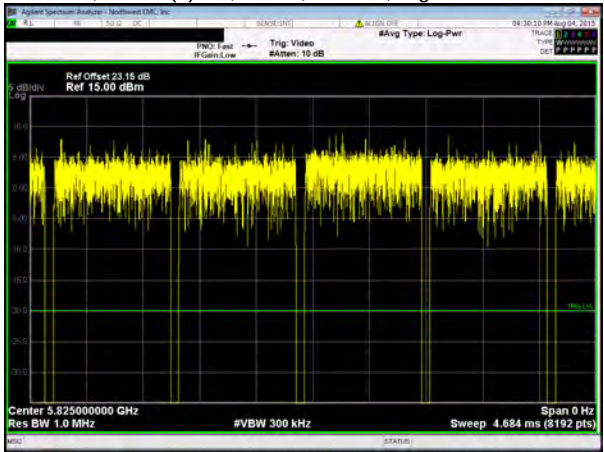
Pulse Width	N/A
Period	N/A
Number of Pulses	5
Value (%)	N/A
Limit (%)	N/A
Results	N/A

Chain C, 802.11(n) HT, MCS8, 20 MHz, High Channel 5825 MHz



Pulse Width	960.63 us
Period	1.041 ms
Number of Pulses	1
Value (%)	92.3
Limit (%)	N/A
Results	N/A

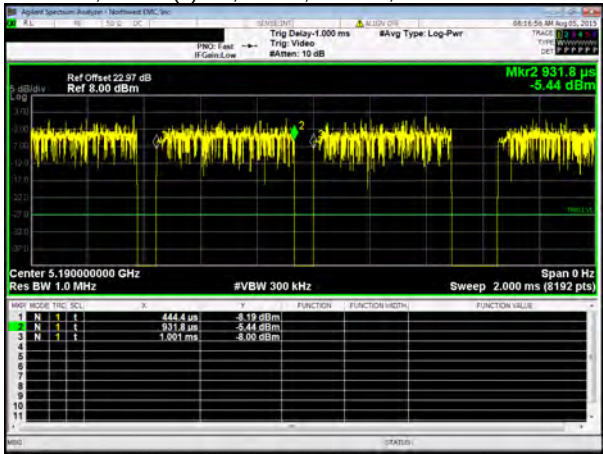
Chain C, 802.11(n) HT, MCS8, 20 MHz, High Channel 5825 MHz



Pulse Width	N/A
Period	N/A
Number of Pulses	6
Value (%)	N/A
Limit (%)	N/A
Results	N/A

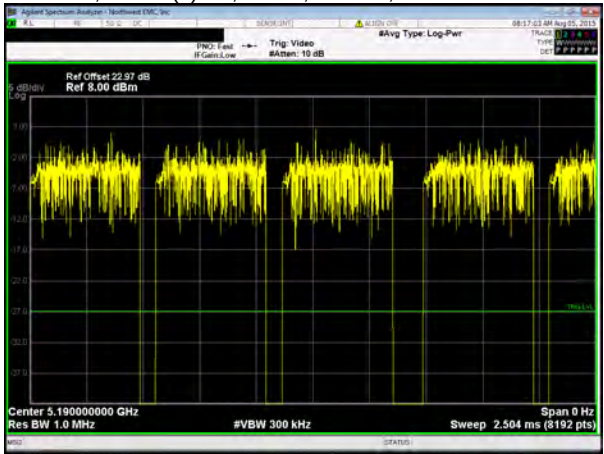
DUTY CYCLE

Chain C, 802.11(n) HT, MCS8, 40 MHz, Low Channel 5190 MHz



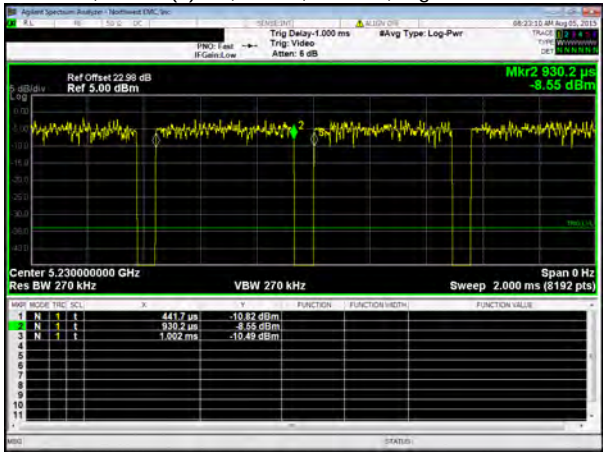
Pulse Width	487.367 us
Period	556.5 us
Number of Pulses	1
Value (%)	87.6
Limit (%)	N/A
Results	N/A

Chain C, 802.11(n) HT, MCS8, 40 MHz, Low Channel 5190 MHz



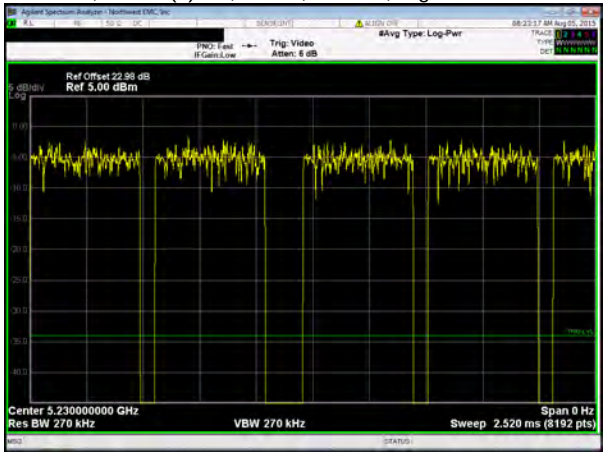
Pulse Width	N/A
Period	N/A
Number of Pulses	5
Value (%)	N/A
Limit (%)	N/A
Results	N/A

Chain C, 802.11(n) HT, MCS8, 40 MHz, High Channel 5230 MHz



Pulse Width	488.547 us
Period	560.1 us
Number of Pulses	1
Value (%)	87.2
Limit (%)	N/A
Results	N/A

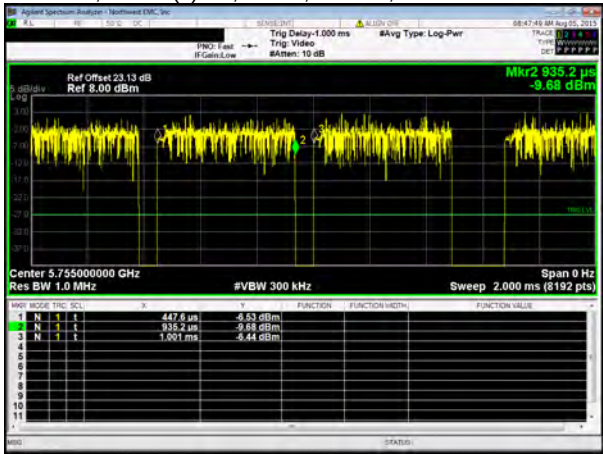
Chain C, 802.11(n) HT, MCS8, 40 MHz, High Channel 5230 MHz



Pulse Width	N/A
Period	N/A
Number of Pulses	5
Value (%)	N/A
Limit (%)	N/A
Results	N/A

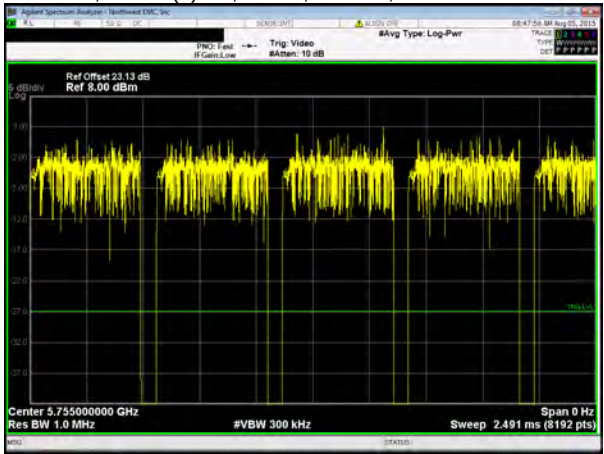
DUTY CYCLE

Chain C, 802.11(n) HT, MCS8, 40 MHz, Low Channel 5755 MHz



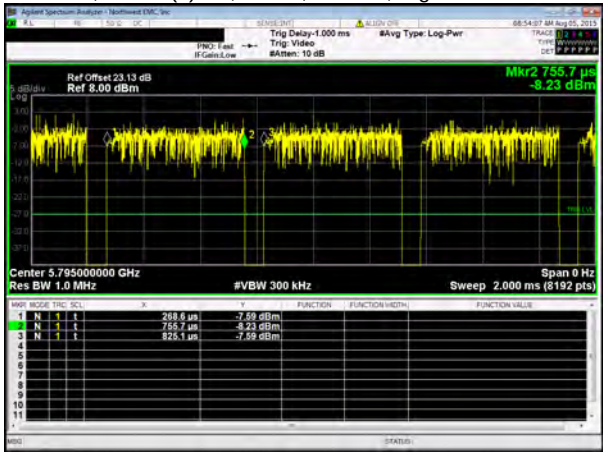
Pulse Width	487.612 us
Period	553.5 us
Number of Pulses	1
Value (%)	88.1
Limit (%)	N/A
Results	N/A

Chain C, 802.11(n) HT, MCS8, 40 MHz, Low Channel 5755 MHz



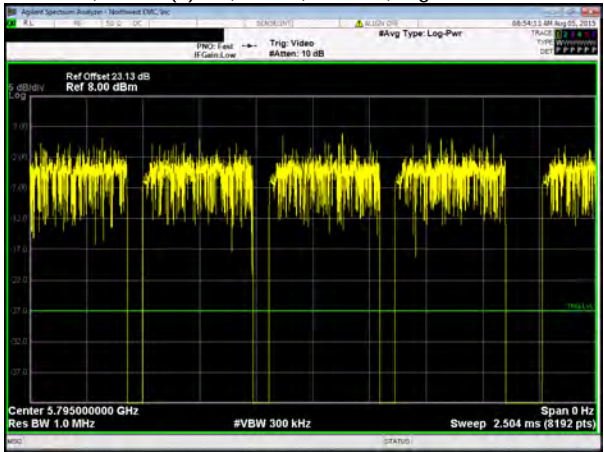
Pulse Width	N/A
Period	N/A
Number of Pulses	5
Value (%)	N/A
Limit (%)	N/A
Results	N/A

Chain C, 802.11(n) HT, MCS8, 40 MHz, High Channel 5795 MHz



Pulse Width	487.067 us
Period	556.5 us
Number of Pulses	1
Value (%)	87.5
Limit (%)	N/A
Results	N/A

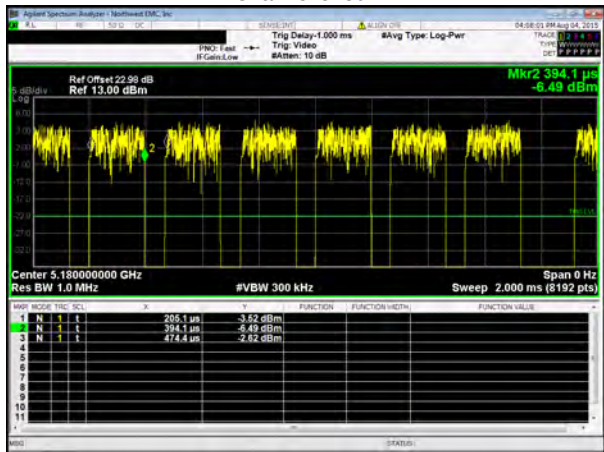
Chain C, 802.11(n) HT, MCS8, 40 MHz, High Channel 5795 MHz



Pulse Width	N/A
Period	N/A
Number of Pulses	5
Value (%)	N/A
Limit (%)	N/A
Results	N/A

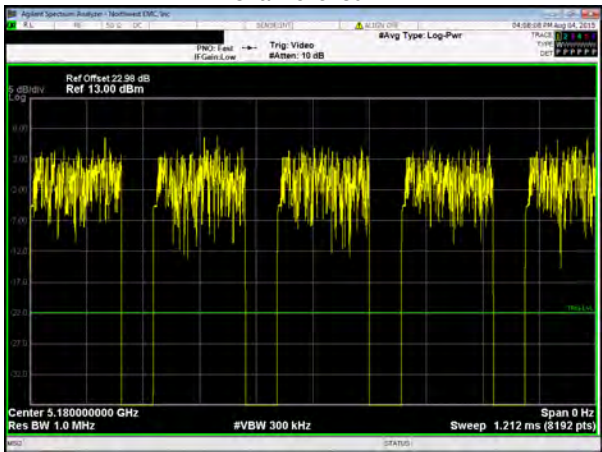
DUTY CYCLE

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



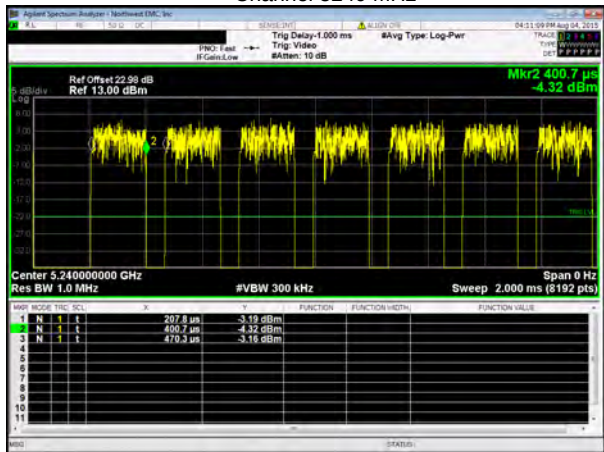
Pulse Width	189.012 us
Period	269.3 us
Number of Pulses	1
Value (%)	70.2
Limit (%)	N/A
Results	N/A

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



Pulse Width	N/A
Period	N/A
Number of Pulses	5
Value (%)	N/A
Limit (%)	N/A
Results	N/A

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



Pulse Width	192.879 us
Period	262.5 us
Number of Pulses	1
Value (%)	73.5
Limit (%)	N/A
Results	N/A

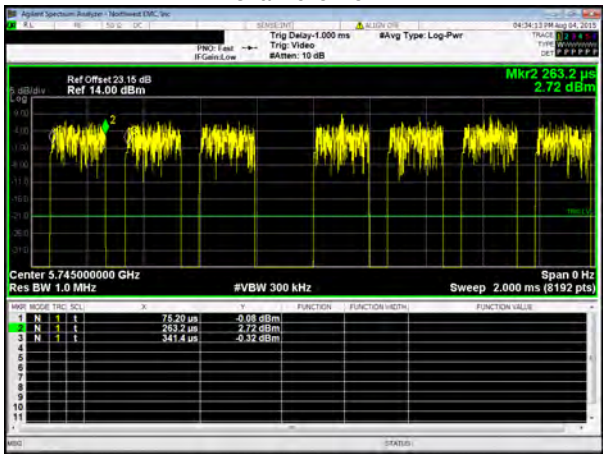
Chain C, 802.11(ac) VHT, MCS8 (256-QAM), 20 MHz, High
Channel 5240 MHz



Pulse Width	N/A
Period	N/A
Number of Pulses	5
Value (%)	N/A
Limit (%)	N/A
Results	N/A

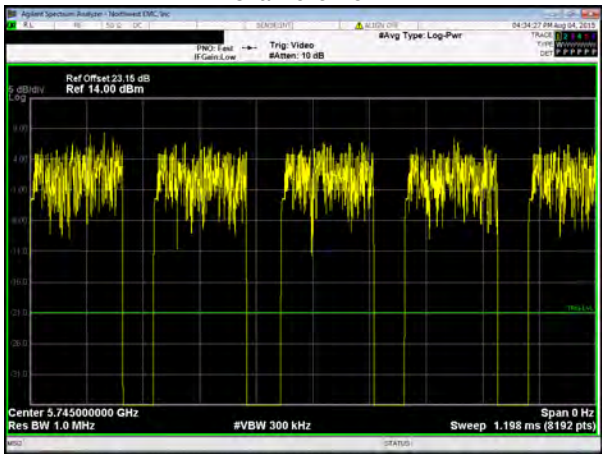
DUTY CYCLE

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



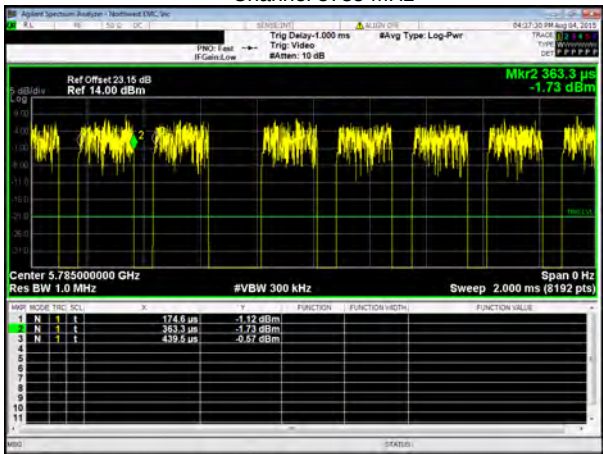
Pulse Width	187.979 us
Period	266.2 us
Number of Pulses	1
Value (%)	70.6
Limit (%)	N/A
Results	N/A

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



Pulse Width	N/A
Period	N/A
Number of Pulses	5
Value (%)	N/A
Limit (%)	N/A
Results	N/A

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



Pulse Width	188.712 us
Period	264.9 us
Number of Pulses	1
Value (%)	71.2
Limit (%)	N/A
Results	N/A

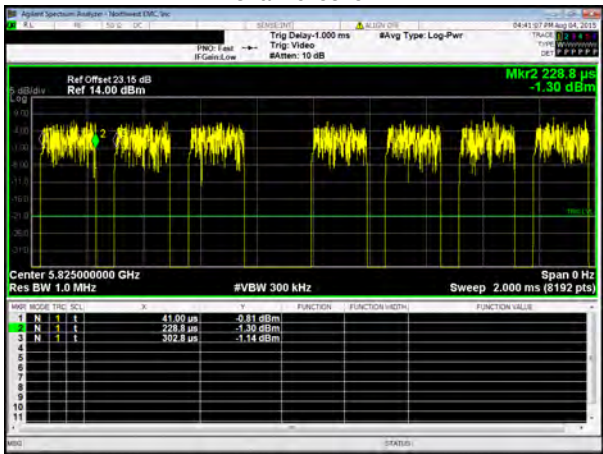
Chain C, 802.11(ac) VHT, MCS8 (256-QAM), 20 MHz, Mid
Channel 5785 MHz



Pulse Width	N/A
Period	N/A
Number of Pulses	5
Value (%)	N/A
Limit (%)	N/A
Results	N/A

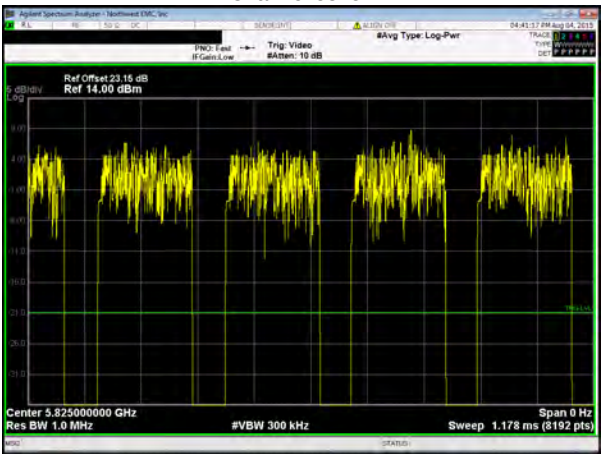
DUTY CYCLE

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



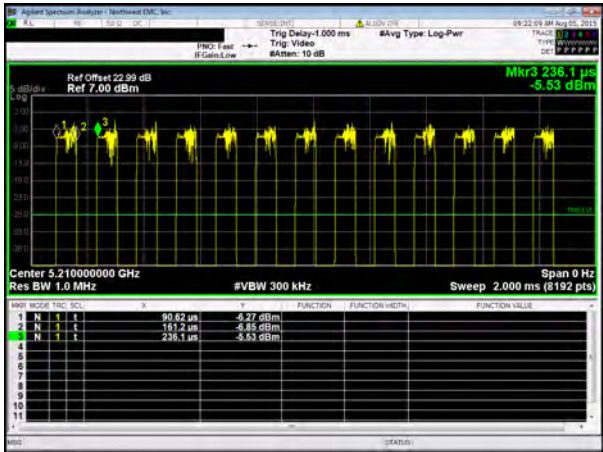
Pulse Width	187.835 us
Period	261.8 us
Number of Pulses	1
Value (%)	71.7
Limit (%)	N/A
Results	N/A

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



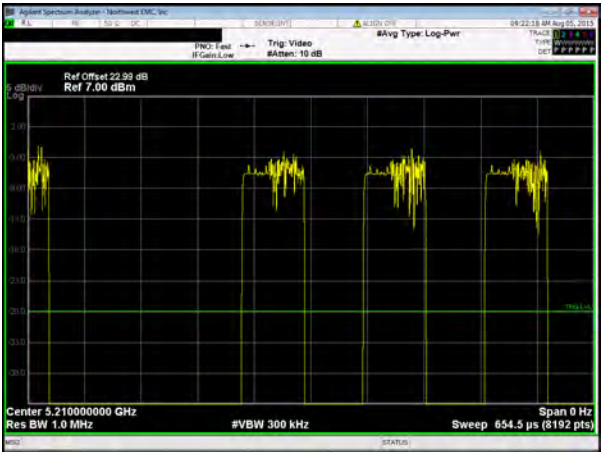
Pulse Width	N/A
Period	N/A
Number of Pulses	5
Value (%)	N/A
Limit (%)	N/A
Results	N/A

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



Pulse Width	70.536 us
Period	145.452 us
Number of Pulses	1
Value (%)	48.5
Limit (%)	N/A
Results	N/A

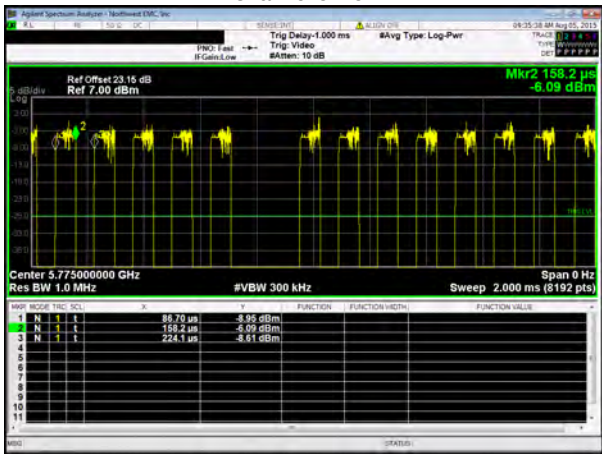
Chain C, 802.11(ac) VHT, MCS9 (256-QAM), 80 MHz, Low
Channel 5210 MHz



Pulse Width	N/A
Period	N/A
Number of Pulses	4
Value (%)	N/A
Limit (%)	N/A
Results	N/A

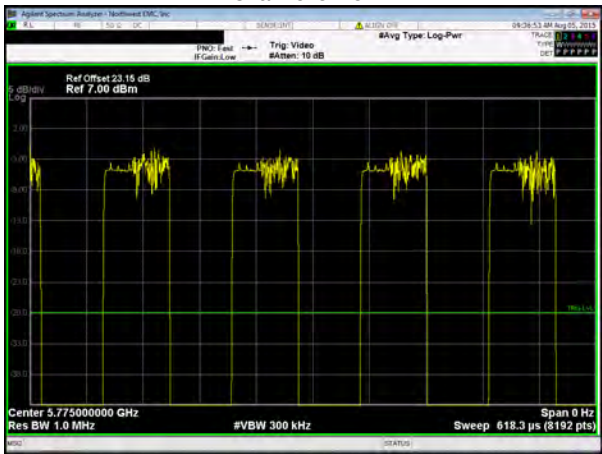
DUTY CYCLE

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



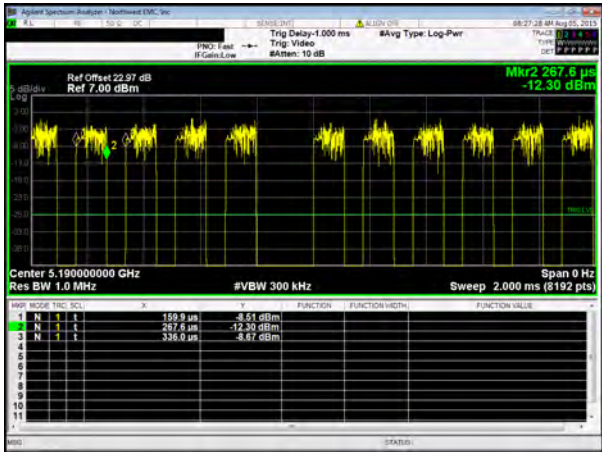
Pulse Width	71.512 us
Period	137.4 us
Number of Pulses	1
Value (%)	52
Limit (%)	N/A
Results	N/A

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



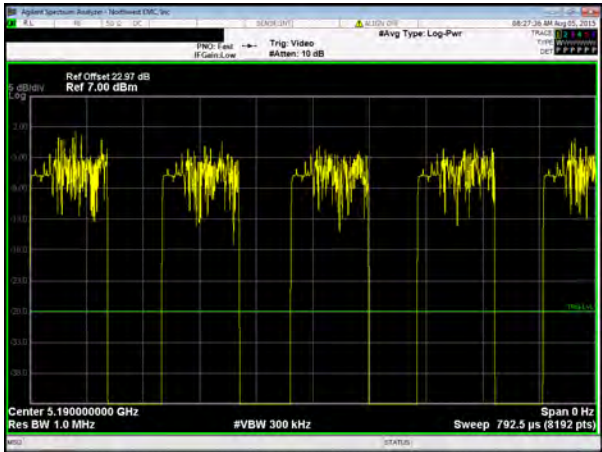
Pulse Width	N/A
Period	N/A
Number of Pulses	5
Value (%)	N/A
Limit (%)	N/A
Results	N/A

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



Pulse Width	107.712 us
Period	176.1 us
Number of Pulses	1
Value (%)	61.2
Limit (%)	N/A
Results	N/A

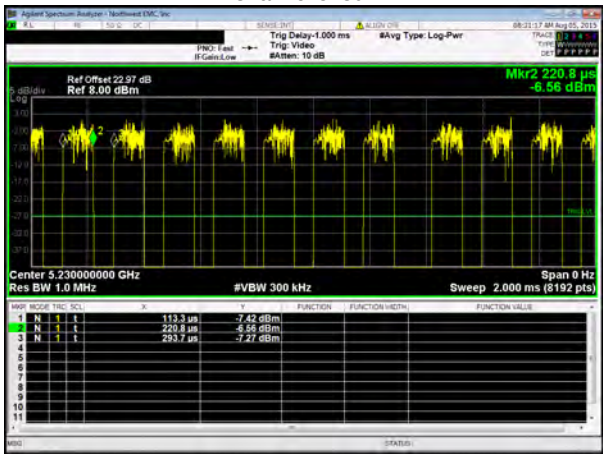
Chain C, 802.11(ac) VHT, MCS9 (256-QAM), 40 MHz, Low
Channel 5190 MHz



Pulse Width	N/A
Period	N/A
Number of Pulses	5
Value (%)	N/A
Limit (%)	N/A
Results	N/A

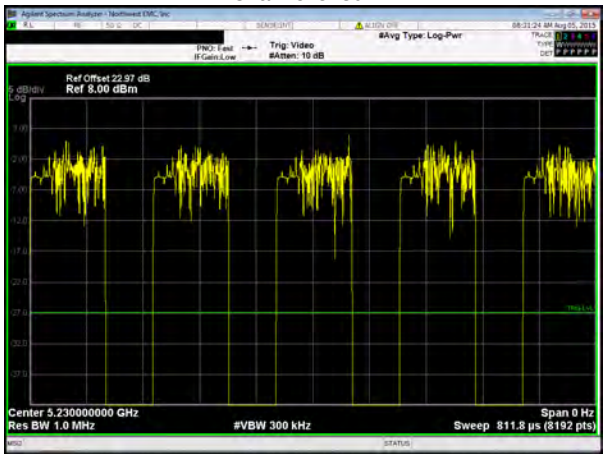
DUTY CYCLE

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



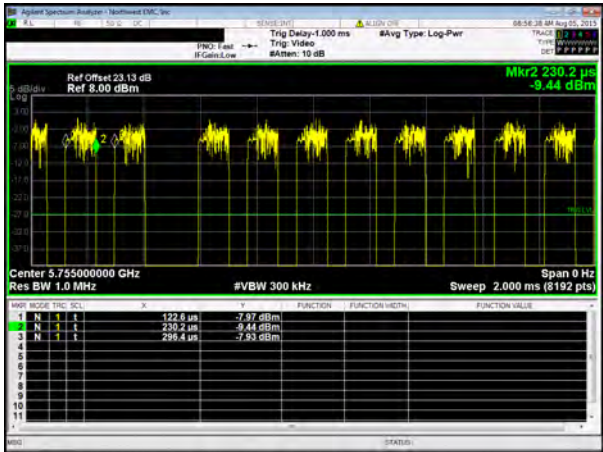
Pulse Width	107.467 us
Period	180.4 us
Number of Pulses	1
Value (%)	59.6
Limit (%)	N/A
Results	N/A

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



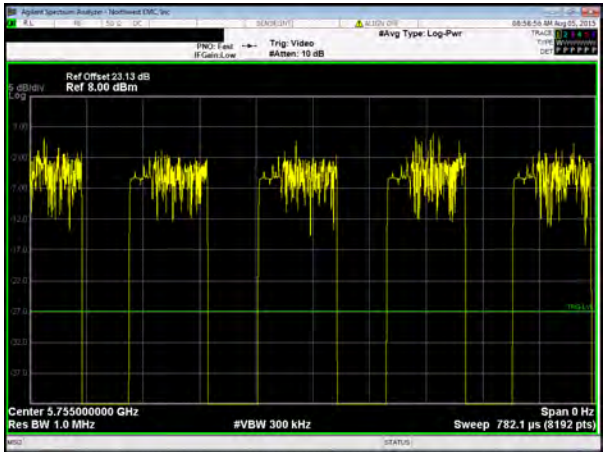
Pulse Width	N/A
Period	N/A
Number of Pulses	5
Value (%)	N/A
Limit (%)	N/A
Results	N/A

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



Pulse Width	107.612 us
Period	173.8 us
Number of Pulses	1
Value (%)	61.9
Limit (%)	N/A
Results	N/A

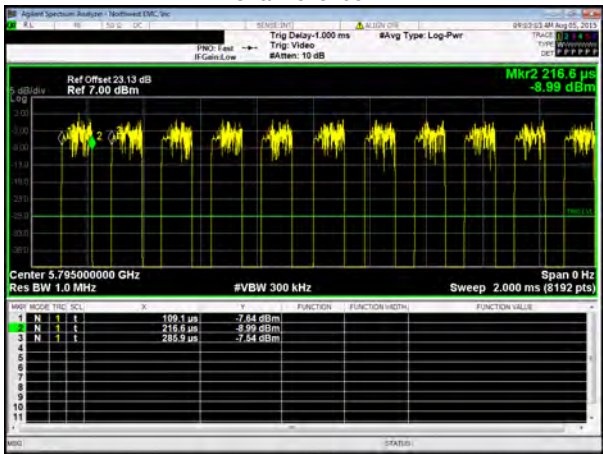
Chain C, 802.11(ac) VHT, MCS9 (256-QAM), 40 MHz, Low
Channel 5755 MHz



Pulse Width	N/A
Period	N/A
Number of Pulses	5
Value (%)	N/A
Limit (%)	N/A
Results	N/A

DUTY CYCLE

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



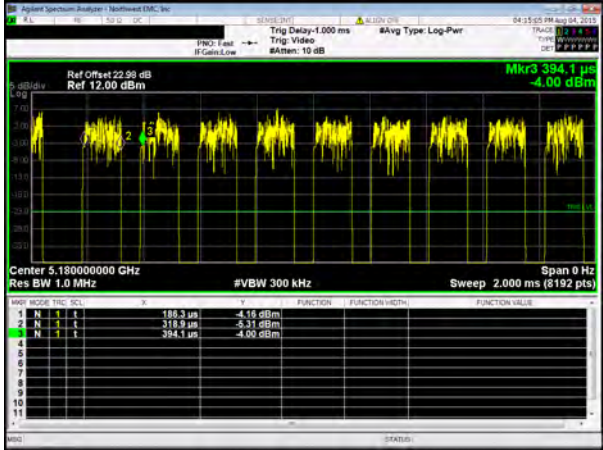
Pulse Width	107.512 us
Period	176.8 us
Number of Pulses	1
Value (%)	60.8
Limit (%)	N/A
Results	N/A

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



Pulse Width	N/A
Period	N/A
Number of Pulses	4
Value (%)	N/A
Limit (%)	N/A
Results	N/A

Chain C, 802.11(n) HT, MCS15, 20 MHz, Low Channel 5180 MHz



Pulse Width	132.519 us
Period	207.711 us
Number of Pulses	1
Value (%)	63.8
Limit (%)	N/A
Results	N/A

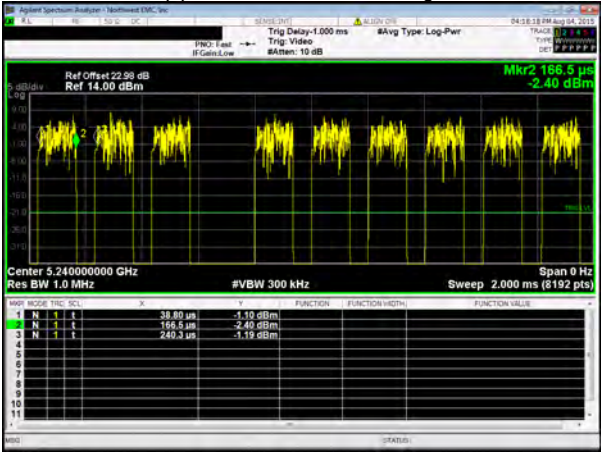
Chain C, 802.11(n) HT, MCS15, 20 MHz, Low Channel 5180 MHz



Pulse Width	N/A
Period	N/A
Number of Pulses	5
Value (%)	N/A
Limit (%)	N/A
Results	N/A

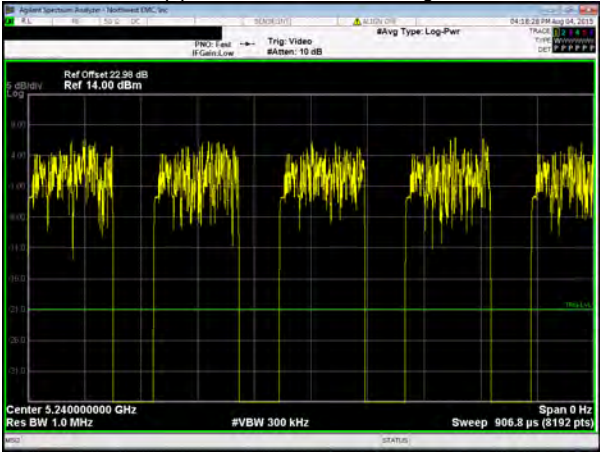
DUTY CYCLE

Chain C, 802.11(n) HT, MCS15, 20 MHz, High Channel 5240 MHz



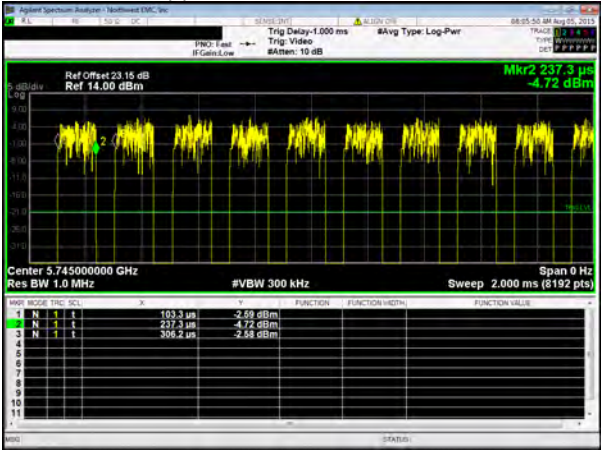
Pulse Width	127.735 us
Period	201.5 us
Number of Pulses	1
Value (%)	63.4
Limit (%)	N/A
Results	N/A

Chain C, 802.11(n) HT, MCS15, 20 MHz, High Channel 5240 MHz



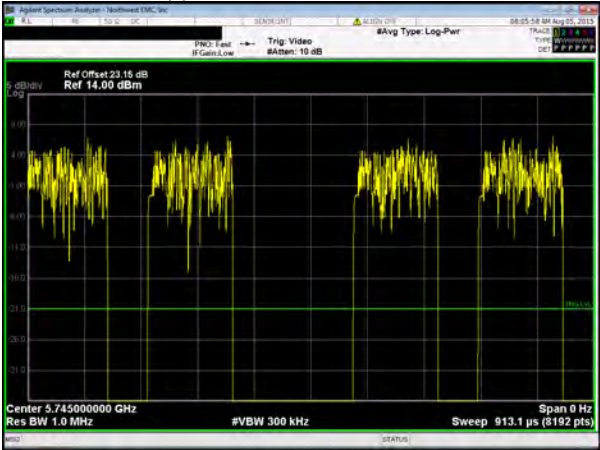
Pulse Width	N/A
Period	N/A
Number of Pulses	5
Value (%)	N/A
Limit (%)	N/A
Results	N/A

Chain C, 802.11(n) HT, MCS15, 20 MHz, Low Channel 5745 MHz



Pulse Width	134.012 us
Period	202.9 us
Number of Pulses	1
Value (%)	66
Limit (%)	N/A
Results	N/A

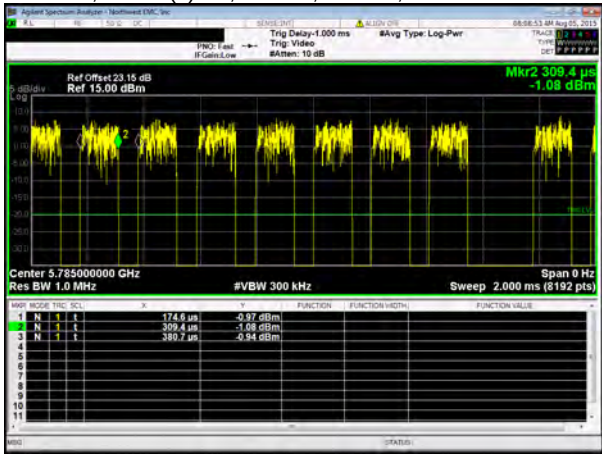
Chain C, 802.11(n) HT, MCS15, 20 MHz, Low Channel 5745 MHz



Pulse Width	N/A
Period	N/A
Number of Pulses	4
Value (%)	N/A
Limit (%)	N/A
Results	N/A

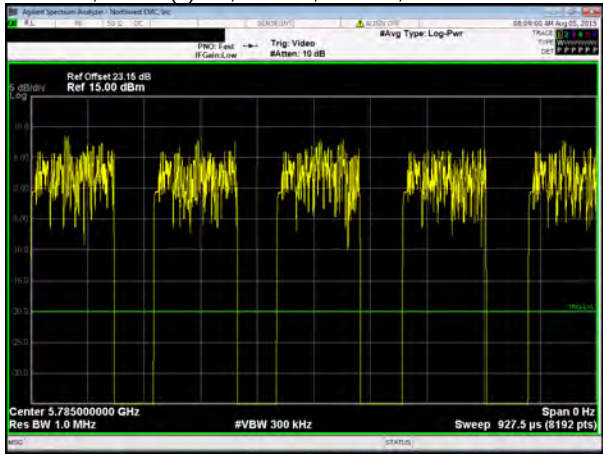
DUTY CYCLE

Chain C, 802.11(n) HT, MCS15, 20 MHz, Mid Channel 5785 MHz



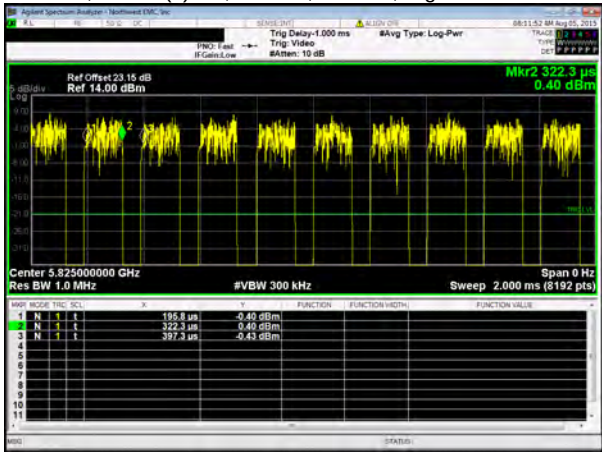
Pulse Width	134.812 us
Period	206.1 us
Number of Pulses	1
Value (%)	65.4
Limit (%)	N/A
Results	N/A

Chain C, 802.11(n) HT, MCS15, 20 MHz, Mid Channel 5785 MHz



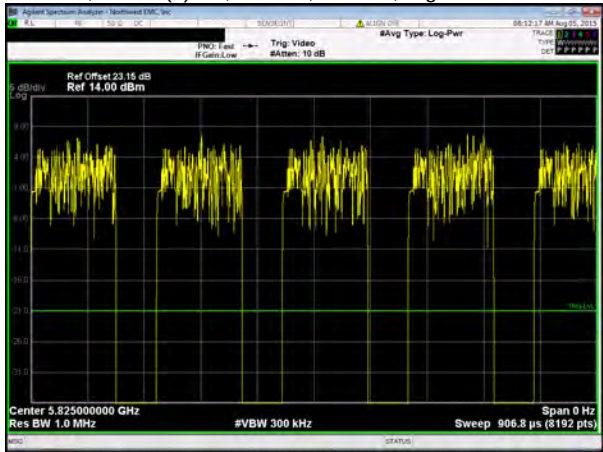
Pulse Width	N/A
Period	N/A
Number of Pulses	5
Value (%)	N/A
Limit (%)	N/A
Results	N/A

Chain C, 802.11(n) HT, MCS15, 20 MHz, High Channel 5825 MHz



Pulse Width	126.514 us
Period	201.5 us
Number of Pulses	1
Value (%)	62.8
Limit (%)	N/A
Results	N/A

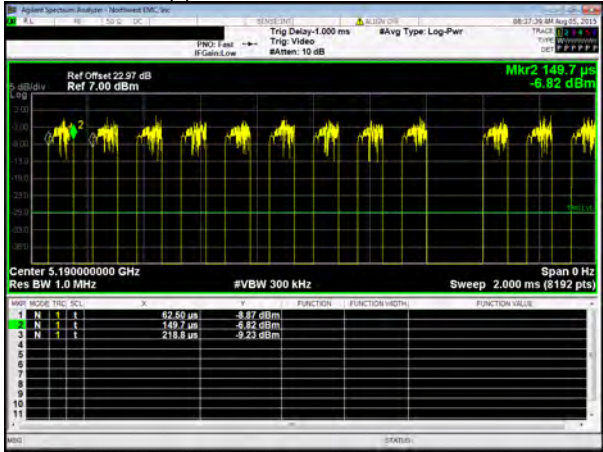
Chain C, 802.11(n) HT, MCS15, 20 MHz, High Channel 5825 MHz



Pulse Width	N/A
Period	N/A
Number of Pulses	5
Value (%)	N/A
Limit (%)	N/A
Results	N/A

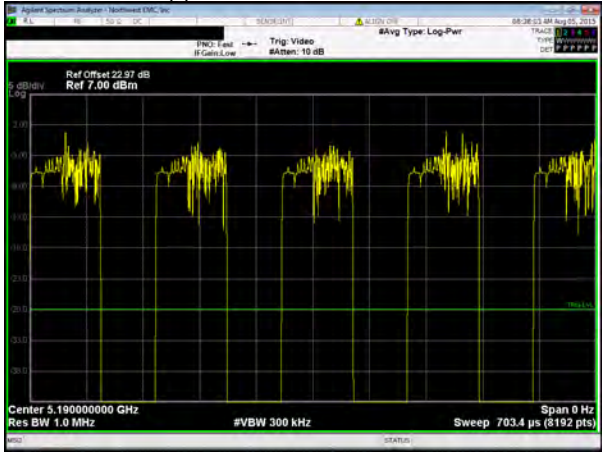
DUTY CYCLE

Chain C, 802.11(n) HT, MCS15, 40 MHz, Low Channel 5190 MHz



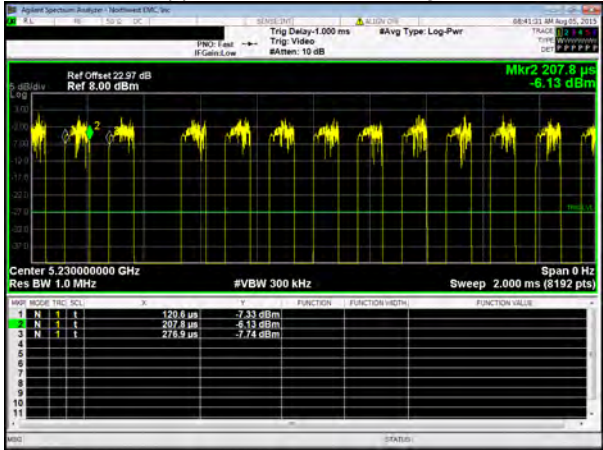
Pulse Width	87.223 us
Period	156.3 us
Number of Pulses	1
Value (%)	55.8
Limit (%)	N/A
Results	N/A

Chain C, 802.11(n) HT, MCS15, 40 MHz, Low Channel 5190 MHz



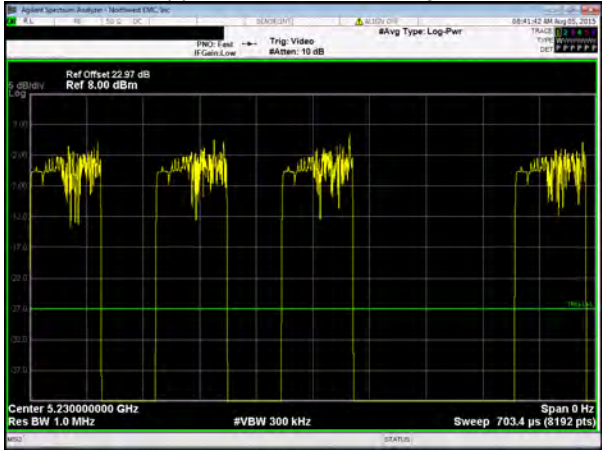
Pulse Width	N/A
Period	N/A
Number of Pulses	5
Value (%)	N/A
Limit (%)	N/A
Results	N/A

Chain C, 802.11(n) HT, MCS15, 40 MHz, High Channel 5230 MHz



Pulse Width	87.167 us
Period	156.3 us
Number of Pulses	1
Value (%)	55.8
Limit (%)	N/A
Results	N/A

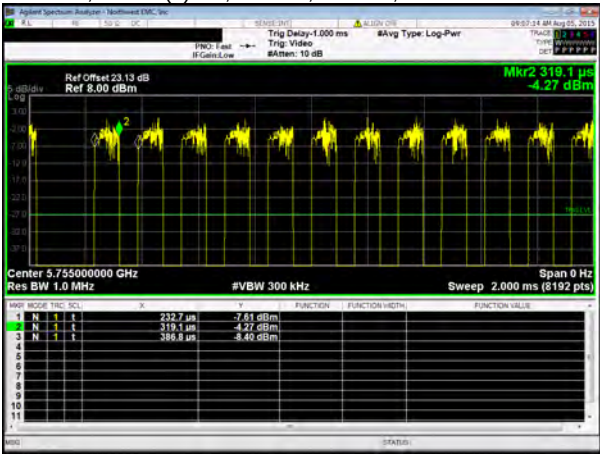
Chain C, 802.11(n) HT, MCS15, 40 MHz, High Channel 5230 MHz



Pulse Width	N/A
Period	N/A
Number of Pulses	4
Value (%)	N/A
Limit (%)	N/A
Results	N/A

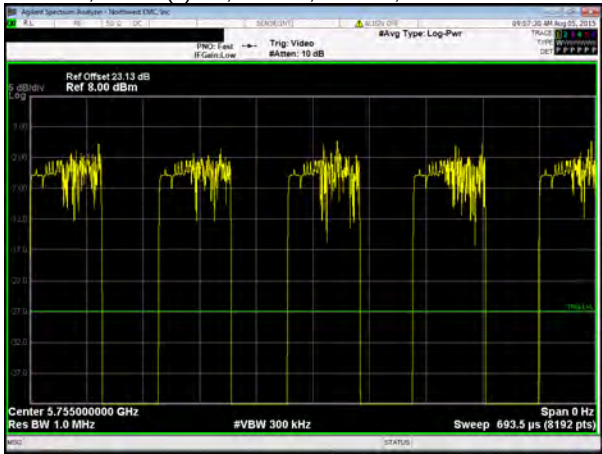
DUTY CYCLE

Chain C, 802.11(n) HT, MCS15, 40 MHz, Low Channel 5755 MHz



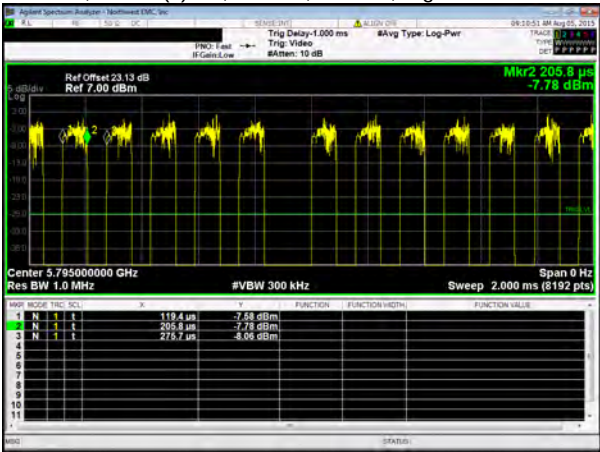
Pulse Width	86.435 us
Period	154.1 us
Number of Pulses	1
Value (%)	56.1
Limit (%)	N/A
Results	N/A

Chain C, 802.11(n) HT, MCS15, 40 MHz, Low Channel 5755 MHz



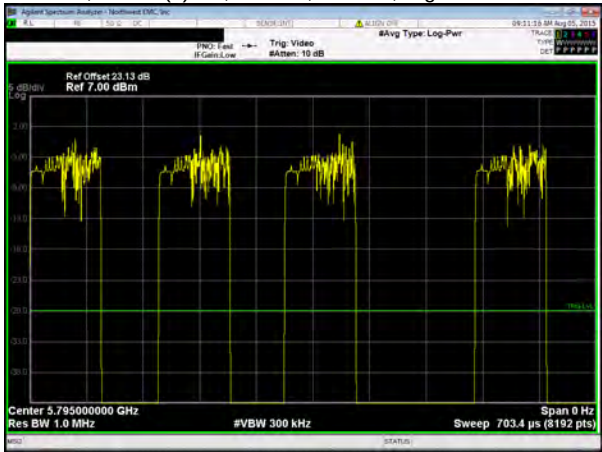
Pulse Width	N/A
Period	N/A
Number of Pulses	5
Value (%)	N/A
Limit (%)	N/A
Results	N/A

Chain C, 802.11(n) HT, MCS15, 40 MHz, High Channel 5795 MHz



Pulse Width	86.435 us
Period	156.3 us
Number of Pulses	1
Value (%)	55.3
Limit (%)	N/A
Results	N/A

Chain C, 802.11(n) HT, MCS15, 40 MHz, High Channel 5795 MHz



Pulse Width	N/A
Period	N/A
Number of Pulses	4
Value (%)	N/A
Limit (%)	N/A
Results	N/A