

DUTY CYCLE



XMIT 2017.01.26

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 EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Block - DC	Fairview Microwave	SD3379	AMM	2/25/2016	2/25/2017
Attenuator	Fairview Microwave	SA4018-20	TQY	2/25/2016	2/25/2017
Cable	Fairview Microwave	SCK0963-60	TXF	11/18/2016	11/18/2017
Generator - Signal	Agilent	E4422B	TGS	3/27/2015	3/27/2018
Analyzer - Spectrum Analyzer	Keysight	N9010A	AFM	3/15/2016	3/15/2017

TEST DESCRIPTION

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer. The Duty Cycle (x) of the single channel operation of the radio as controlled by the provided test software was measured for each of the EUT operating modes.

There is no compliance requirement to be met by this test, so therefore no Pass / Fail criteria.

The measurements were made using a zero span on the spectrum analyzer to see the pulses in the time domain. The transmit power was set to its default maximum.

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, burst gating may have been used during some of the other tests in this report to only take the measurement during the burst duration.

DUTY CYCLE



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EUT: RTH9580WF01				Work Order: HNYW0203				
Serial Number: 0027301				Date: 02/08/17				
Customer: Honeywell, Automation and Control Solutions				Temperature: 22.6 °C				
Attendees: Job Villafuerte				Humidity: 34.2% RH				
Project: None				Barometric Pres.: 1019 mbar				
Tested by: Jonathan Kiefer		Power: 110VAC/60Hz		Job Site: TX09				
TEST SPECIFICATIONS				Test Method				
FCC 15.247:2017				ANSI C63.10:2013				
COMMENTS								
None								
DEVIATIONS FROM TEST STANDARD								
None								
Configuration #	1	Signature <i>Jonathan Kiefer</i>						
			Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
Antenna A0								
	2400 MHz - 2483.5 MHz Band							
	802.11(b) 1 Mbps							
	Low Channel 1, 2412 MHz	8.61 ms	8.624 ms	1	99.8	N/A	N/A	N/A
	Low Channel 1, 2412 MHz	N/A	N/A	5	N/A	N/A	N/A	N/A
	Mid Channel 6, 2437 MHz	8.61 ms	8.624 ms	1	99.8	N/A	N/A	N/A
	Mid Channel 6, 2437 MHz	N/A	N/A	5	N/A	N/A	N/A	N/A
	High Channel 11, 2462 MHz	8.61 ms	8.624 ms	1	99.8	N/A	N/A	N/A
	High Channel 11, 2462 MHz	N/A	N/A	6	N/A	N/A	N/A	N/A
	802.11(b) 11 Mbps							
	Low Channel 1, 2412 MHz	957.8 us	972.4 us	1	98.5	N/A	N/A	N/A
	Low Channel 1, 2412 MHz	N/A	N/A	6	N/A	N/A	N/A	N/A
	Mid Channel 6, 2437 MHz	958.1 us	972.4 us	1	98.5	N/A	N/A	N/A
	Mid Channel 6, 2437 MHz	N/A	N/A	6	N/A	N/A	N/A	N/A
	High Channel 11, 2462 MHz	957.7 us	972.4 us	1	98.5	N/A	N/A	N/A
	High Channel 11, 2462 MHz	N/A	N/A	5	N/A	N/A	N/A	N/A
	802.11(g) 6 Mbps							
	Low Channel 1, 2412 MHz	1.428 ms	1.448 ms	1	98.6	N/A	N/A	N/A
	Low Channel 1, 2412 MHz	N/A	N/A	5	N/A	N/A	N/A	N/A
	Mid Channel 6, 2437 MHz	1.428 ms	1.448 ms	1	98.6	N/A	N/A	N/A
	Mid Channel 6, 2437 MHz	N/A	N/A	5	N/A	N/A	N/A	N/A
	High Channel 11, 2462 MHz	1.428 ms	1.449 ms	1	98.6	N/A	N/A	N/A
	High Channel 11, 2462 MHz	N/A	N/A	6	N/A	N/A	N/A	N/A
	802.11(g) 36 Mbps							
	Low Channel 1, 2412 MHz	255.9 us	276.7 us	1	92.5	N/A	N/A	N/A
	Low Channel 1, 2412 MHz	N/A	N/A	6	N/A	N/A	N/A	N/A
	Mid Channel 6, 2437 MHz	255.9 us	276.4 us	1	92.6	N/A	N/A	N/A
	Mid Channel 6, 2437 MHz	N/A	N/A	6	N/A	N/A	N/A	N/A
	High Channel 11, 2462 MHz	255.5 us	276.4 us	1	92.4	N/A	N/A	N/A
	High Channel 11, 2462 MHz	N/A	N/A	6	N/A	N/A	N/A	N/A
	802.11(g) 54 Mbps							
	Low Channel 1, 2412 MHz	179.4 us	200.2 us	1	89.6	N/A	N/A	N/A
	Low Channel 1, 2412 MHz	N/A	N/A	5	N/A	N/A	N/A	N/A
	Mid Channel 6, 2437 MHz	179.5 us	200.3 us	1	89.6	N/A	N/A	N/A
	Mid Channel 6, 2437 MHz	N/A	N/A	6	N/A	N/A	N/A	N/A
	High Channel 11, 2462 MHz	179.4 us	200.4 us	1	89.5	N/A	N/A	N/A
	High Channel 11, 2462 MHz	N/A	N/A	5	N/A	N/A	N/A	N/A
	802.11(n) MCS0							
	Low Channel 1, 2412 MHz	1.336 ms	1.357 ms	1	98.5	N/A	N/A	N/A
	Low Channel 1, 2412 MHz	N/A	N/A	5	N/A	N/A	N/A	N/A
	Mid Channel 6, 2437 MHz	1.336 ms	1.357 ms	1	98.5	N/A	N/A	N/A
	Mid Channel 6, 2437 MHz	N/A	N/A	6	N/A	N/A	N/A	N/A
	High Channel 11, 2462 MHz	1.336 ms	1.357 ms	1	98.5	N/A	N/A	N/A
	High Channel 11, 2462 MHz	N/A	N/A	5	N/A	N/A	N/A	N/A
	802.11(n) MCS7							
	Low Channel 1, 2412 MHz	167.7 us	188.5 us	1	89	N/A	N/A	N/A
	Low Channel 1, 2412 MHz	N/A	N/A	6	N/A	N/A	N/A	N/A
	Mid Channel 6, 2437 MHz	168 us	188.5 us	1	89.1	N/A	N/A	N/A
	Mid Channel 6, 2437 MHz	N/A	N/A	6	N/A	N/A	N/A	N/A
	High Channel 11, 2462 MHz	167.8 us	188.8 us	1	88.9	N/A	N/A	N/A
	High Channel 11, 2462 MHz	N/A	N/A	5	N/A	N/A	N/A	N/A
Antenna A1								
	2400 MHz - 2483.5 MHz Band							
	802.11(b) 1 Mbps							
	Low Channel 1, 2412 MHz	8.61 ms	8.624 ms	1	99.8	N/A	N/A	N/A
	Low Channel 1, 2412 MHz	N/A	N/A	6	N/A	N/A	N/A	N/A
	Mid Channel 6, 2437 MHz	8.608 ms	8.622 ms	1	99.8	N/A	N/A	N/A
	Mid Channel 6, 2437 MHz	N/A	N/A	5	N/A	N/A	N/A	N/A
	High Channel 11, 2462 MHz	8.608 ms	8.622 ms	1	99.8	N/A	N/A	N/A
	High Channel 11, 2462 MHz	N/A	N/A	5	N/A	N/A	N/A	N/A
	802.11(b) 11 Mbps							
	Low Channel 1, 2412 MHz	958.1 us	972.4 us	1	98.5	N/A	N/A	N/A
	Low Channel 1, 2412 MHz	N/A	N/A	5	N/A	N/A	N/A	N/A
	Mid Channel 6, 2437 MHz	958.1 us	972.4 us	1	98.5	N/A	N/A	N/A
	Mid Channel 6, 2437 MHz	N/A	N/A	6	N/A	N/A	N/A	N/A
	High Channel 11, 2462 MHz	957.8 us	972.5 us	1	98.5	N/A	N/A	N/A
	High Channel 11, 2462 MHz	N/A	N/A	5	N/A	N/A	N/A	N/A
	802.11(g) 6 Mbps							
	Low Channel 1, 2412 MHz	1.428 ms	1.448 ms	1	98.6	N/A	N/A	N/A
	Low Channel 1, 2412 MHz	N/A	N/A	6	N/A	N/A	N/A	N/A
	Mid Channel 6, 2437 MHz	1.428 ms	1.449 ms	1	98.6	N/A	N/A	N/A
	Mid Channel 6, 2437 MHz	N/A	N/A	6	N/A	N/A	N/A	N/A
	High Channel 11, 2462 MHz	1.428 ms	1.448 ms	1	98.6	N/A	N/A	N/A
	High Channel 11, 2462 MHz	N/A	N/A	6	N/A	N/A	N/A	N/A

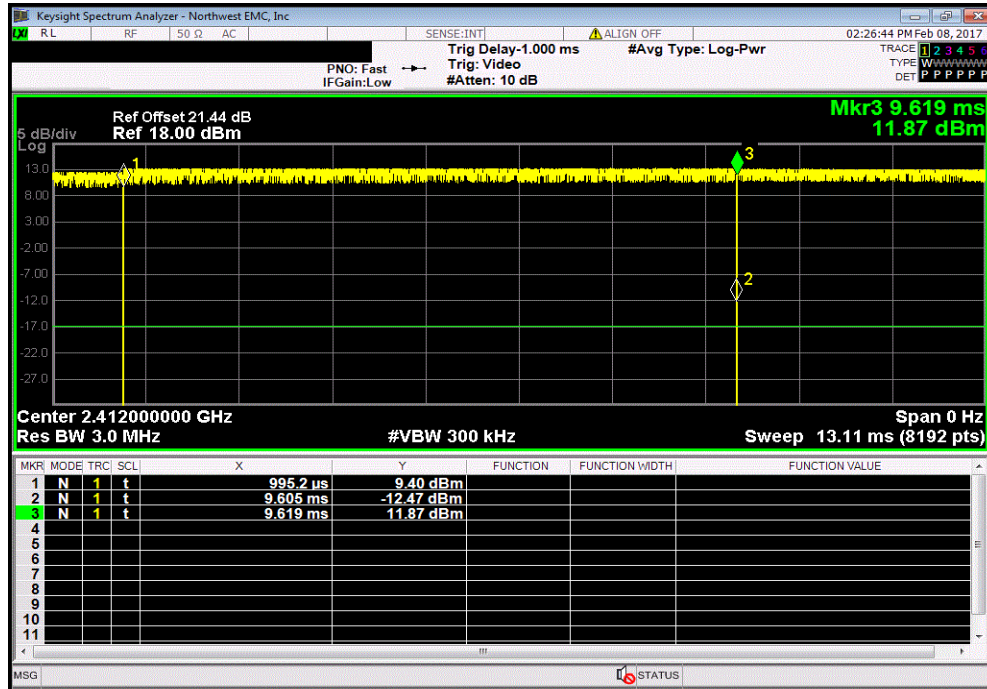
802.11(g) 36 Mbps							
Low Channel 1, 2412 MHz	255.9 us	276.4 us	1	92.6	N/A	N/A	
Low Channel 1, 2412 MHz	N/A	N/A	6	N/A	N/A	N/A	
Mid Channel 6, 2437 MHz	255.4 us	276.4 us	1	92.4	N/A	N/A	
Mid Channel 6, 2437 MHz	N/A	N/A	6	N/A	N/A	N/A	
High Channel 11, 2462 MHz	255.6 us	276.6 us	1	92.4	N/A	N/A	
High Channel 11, 2462 MHz	N/A	N/A	6	N/A	N/A	N/A	
802.11(g) 54 Mbps							
Low Channel 1, 2412 MHz	179.5 us	200.3 us	1	89.6	N/A	N/A	
Low Channel 1, 2412 MHz	N/A	N/A	6	N/A	N/A	N/A	
Mid Channel 6, 2437 MHz	179.7 us	200.5 us	1	89.6	N/A	N/A	
Mid Channel 6, 2437 MHz	N/A	N/A	6	N/A	N/A	N/A	
High Channel 11, 2462 MHz	179.5 us	200.2 us	1	89.7	N/A	N/A	
High Channel 11, 2462 MHz	N/A	N/A	5	N/A	N/A	N/A	
802.11(n) MCS0							
Low Channel 1, 2412 MHz	1.336 ms	1.357 ms	1	98.5	N/A	N/A	
Low Channel 1, 2412 MHz	N/A	N/A	6	N/A	N/A	N/A	
Mid Channel 6, 2437 MHz	1.336 ms	1.357 ms	1	98.5	N/A	N/A	
Mid Channel 6, 2437 MHz	N/A	N/A	6	N/A	N/A	N/A	
High Channel 11, 2462 MHz	1.336 ms	1.357 ms	1	98.5	N/A	N/A	
High Channel 11, 2462 MHz	N/A	N/A	6	N/A	N/A	N/A	
802.11(n) MCS7							
Low Channel 1, 2412 MHz	168 us	188.5 us	1	89.1	N/A	N/A	
Low Channel 1, 2412 MHz	N/A	N/A	6	N/A	N/A	N/A	
Mid Channel 6, 2437 MHz	167.8 us	188.5 us	1	89	N/A	N/A	
Mid Channel 6, 2437 MHz	N/A	N/A	6	N/A	N/A	N/A	
High Channel 11, 2462 MHz	167.5 us	188.5 us	1	88.9	N/A	N/A	
High Channel 11, 2462 MHz	N/A	N/A	6	N/A	N/A	N/A	

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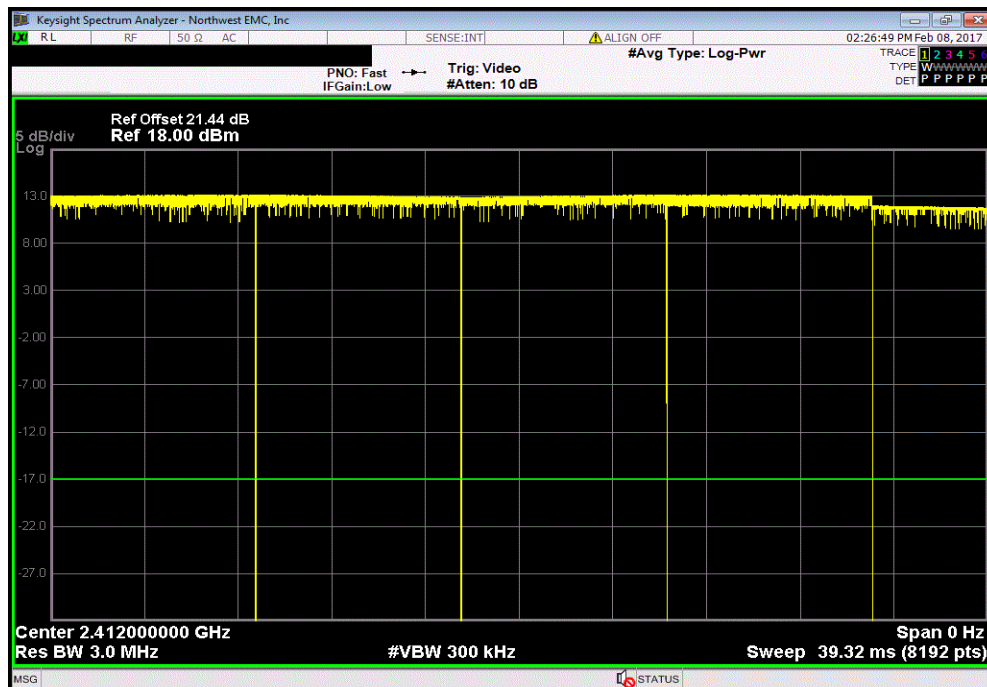


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Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
8.61 ms	8.624 ms	1	99.8	N/A	N/A	



Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
N/A	N/A	5	N/A	N/A	N/A	

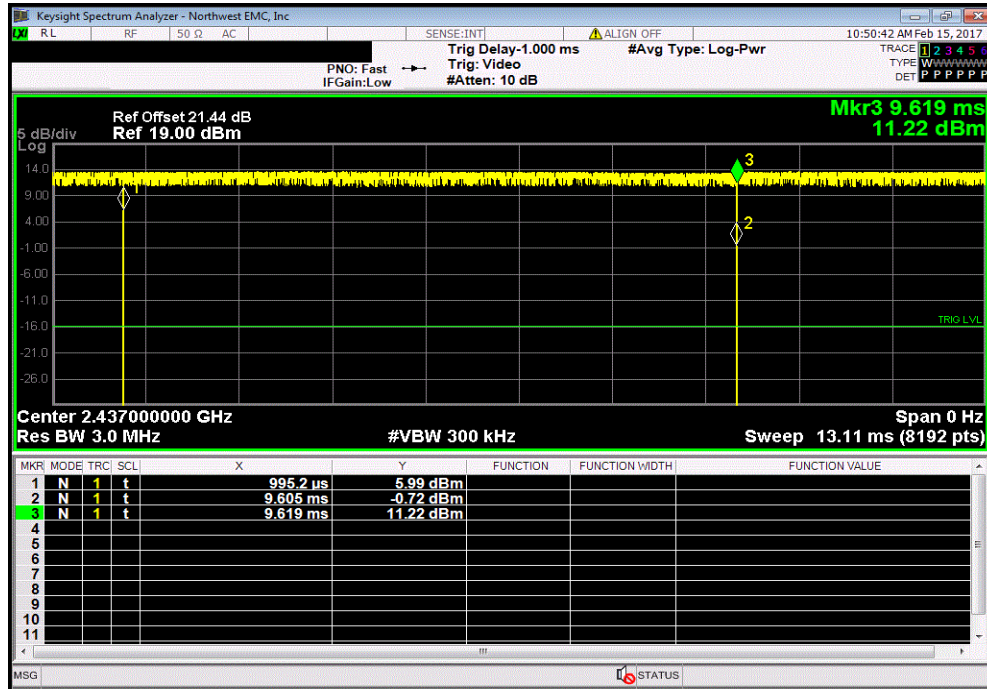


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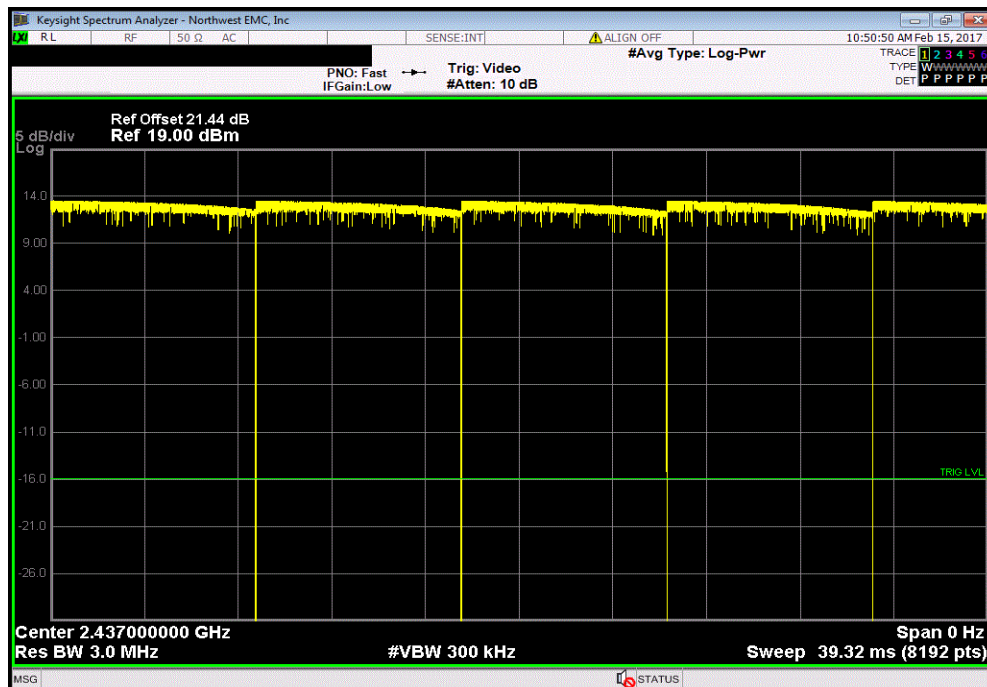


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Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Mid Channel 6, 2437 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
8.61 ms	8.624 ms	1	99.8	N/A	N/A	



Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Mid Channel 6, 2437 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
N/A	N/A	5	N/A	N/A	N/A	

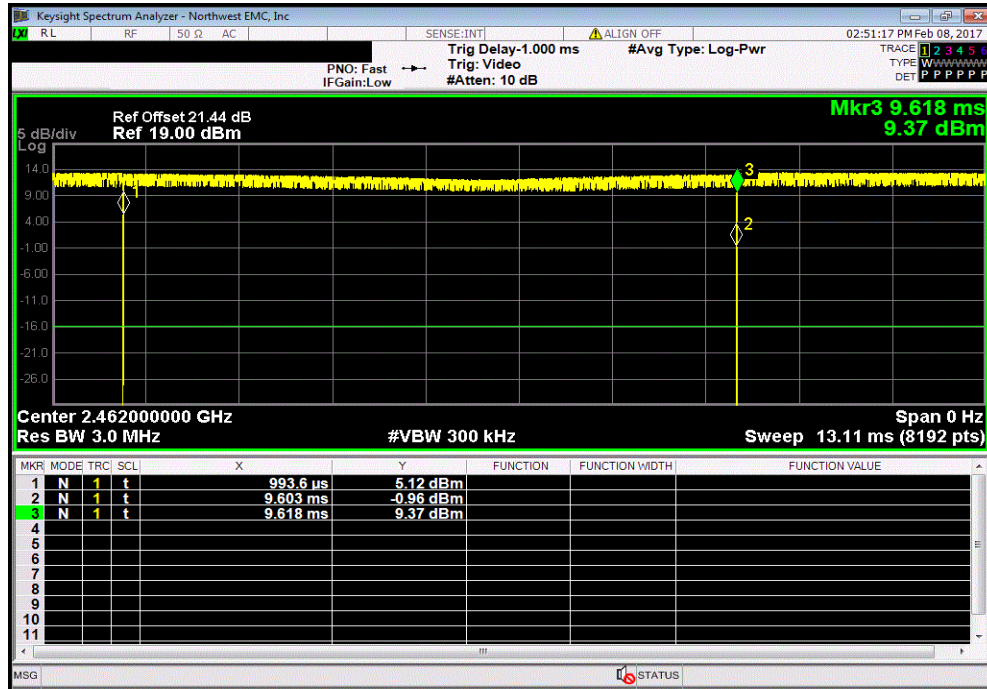


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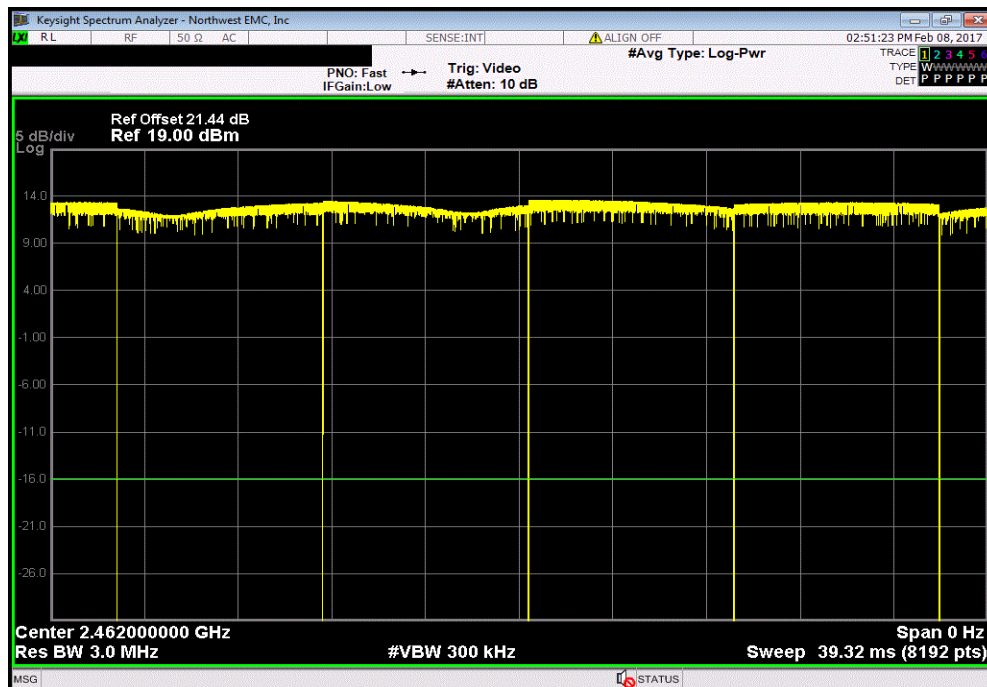


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Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
8.61 ms	8.624 ms	1	99.8	N/A	N/A	



Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
N/A	N/A	6	N/A	N/A	N/A	

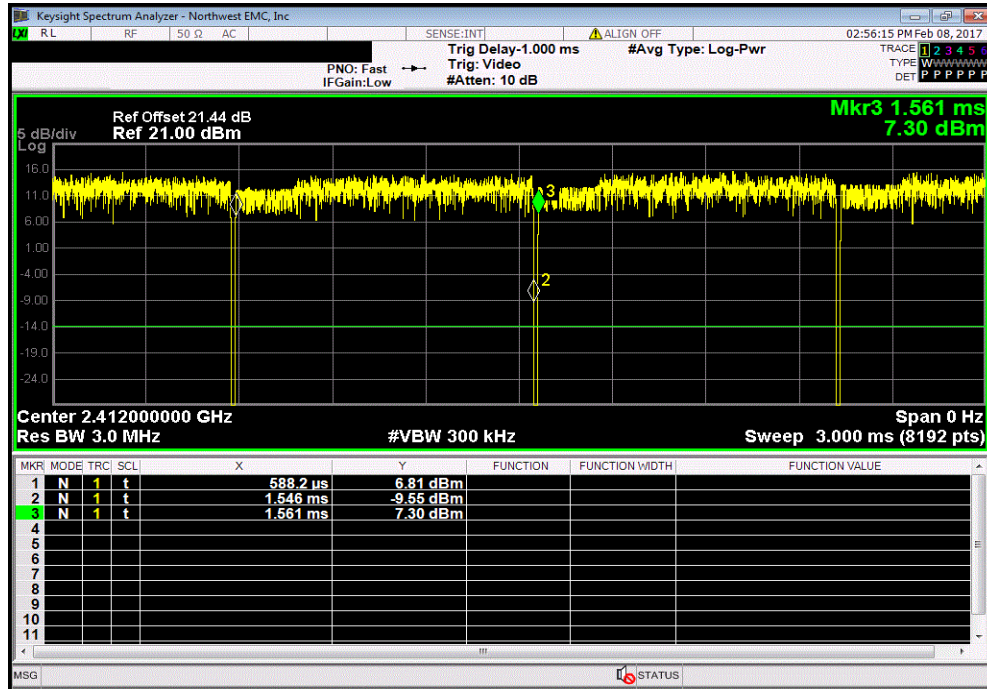


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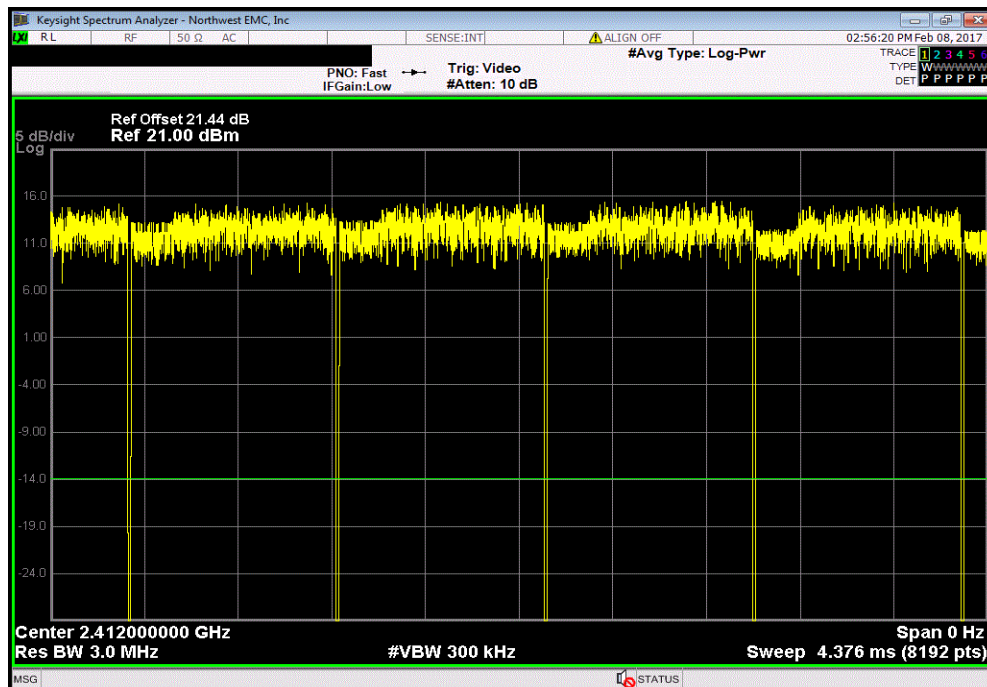


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Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
957.8 us	972.4 us	1	98.5	N/A	N/A	



Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
N/A	N/A	6	N/A	N/A	N/A	

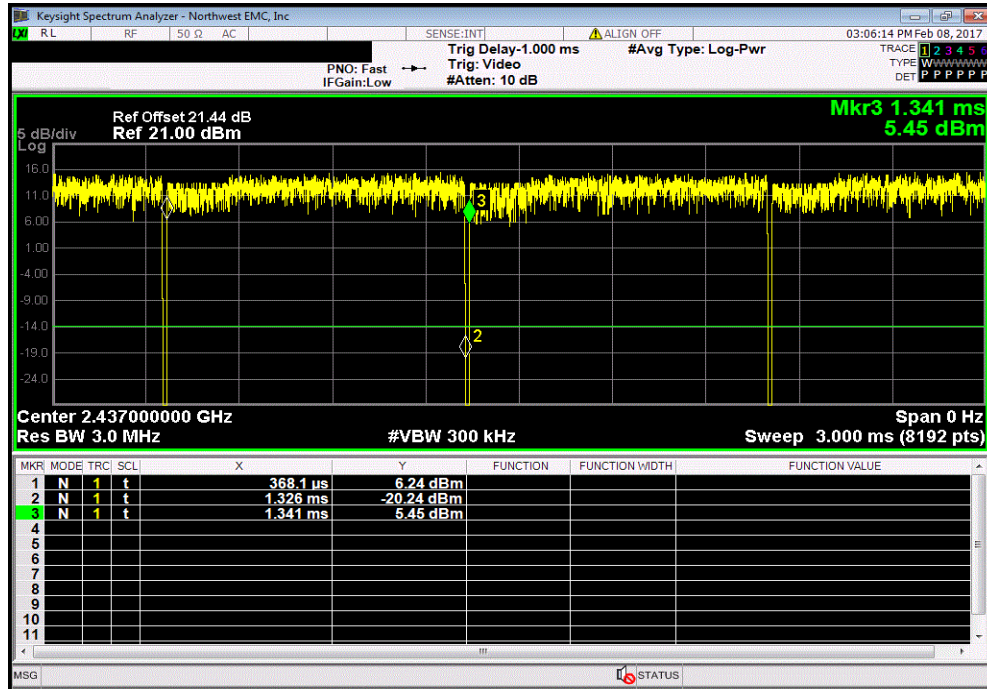


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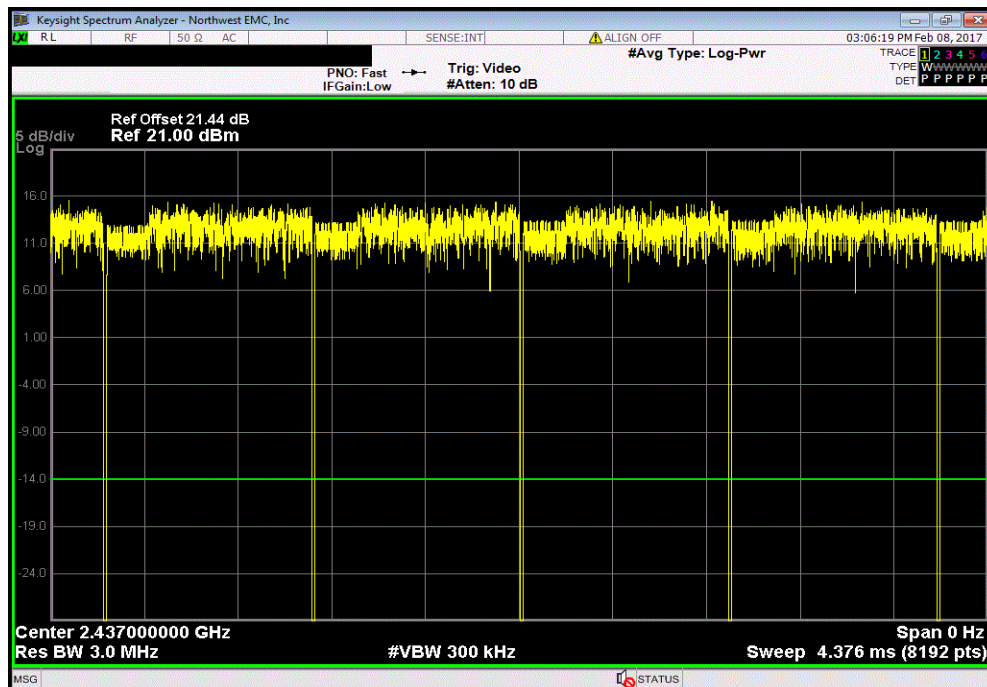


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Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
958.1 us	972.4 us	1	98.5	N/A	N/A	



Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
N/A	N/A	6	N/A	N/A	N/A	

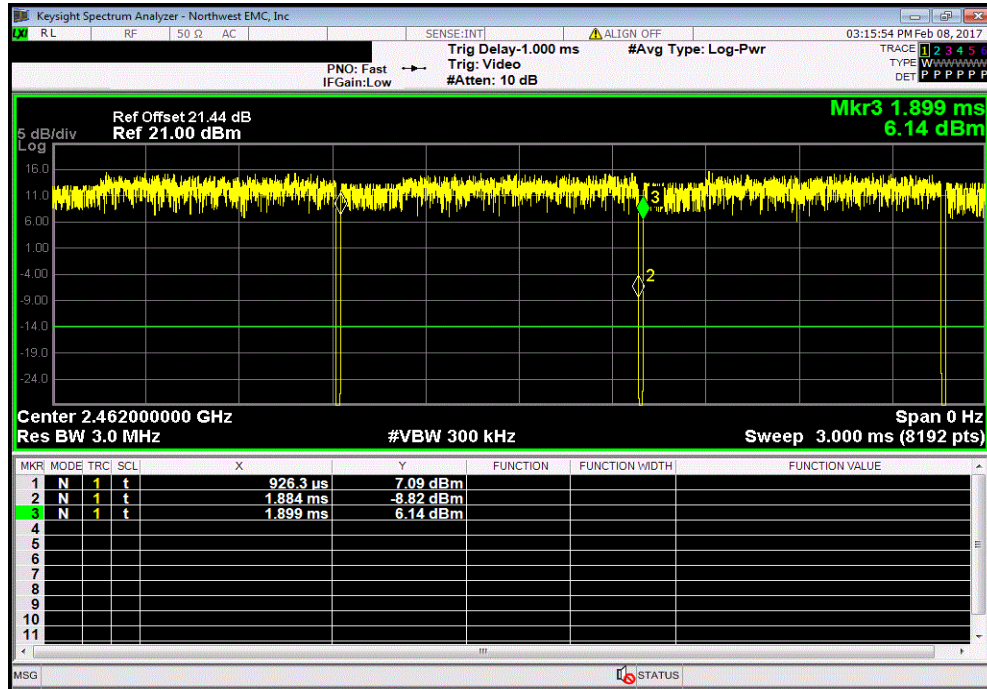


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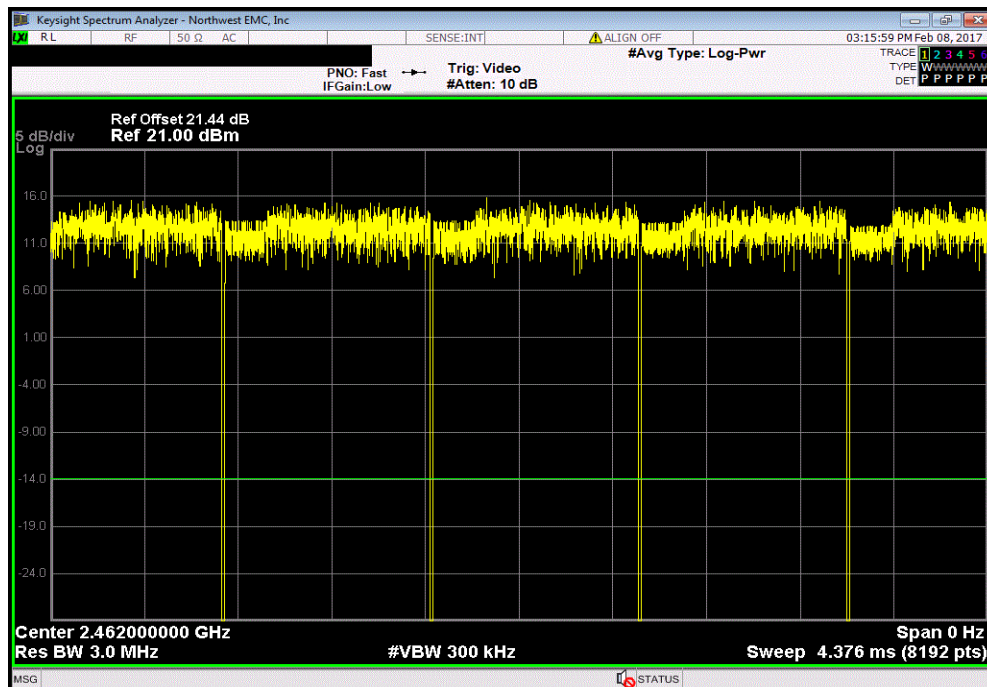


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Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
957.7 us	972.4 us	1	98.5	N/A	N/A	



Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
N/A	N/A	5	N/A	N/A	N/A	

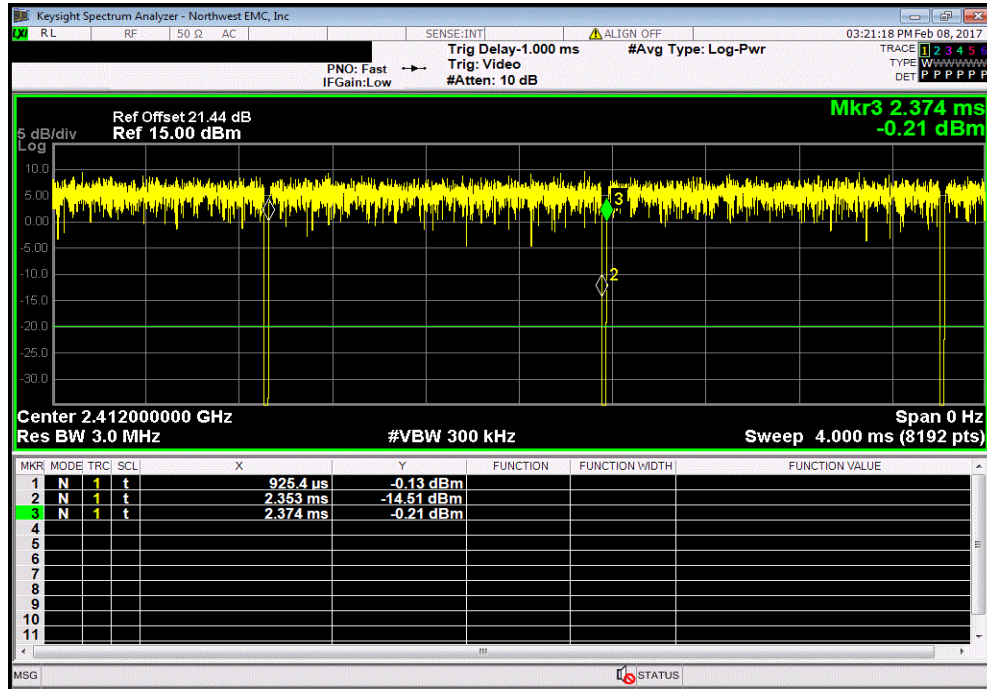


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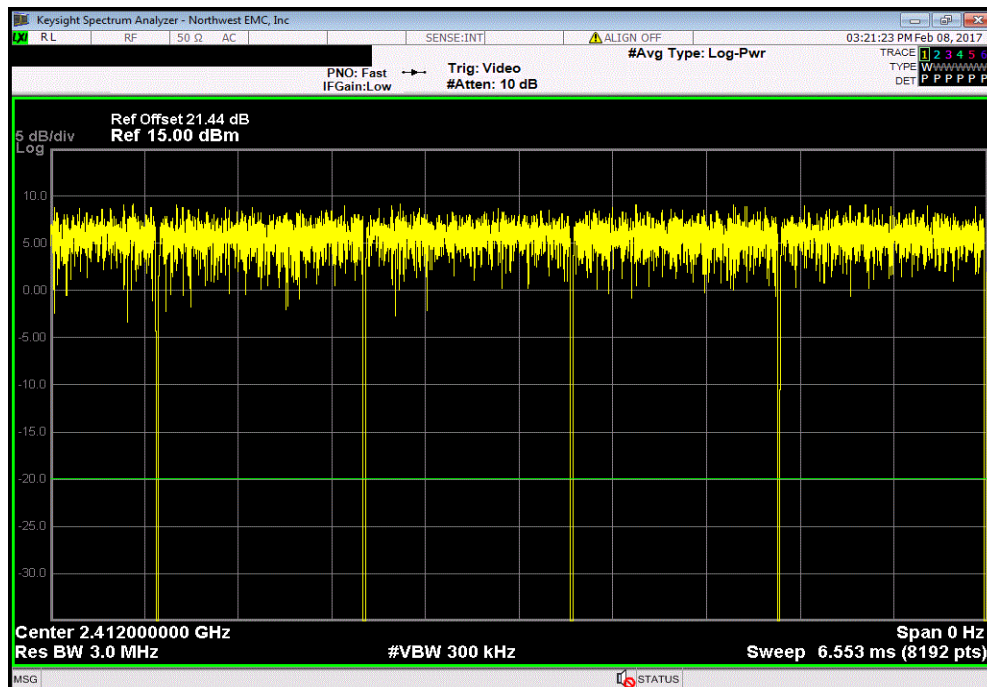


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Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
1.428 ms	1.448 ms	1	98.6	N/A	N/A	



Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
N/A	N/A	5	N/A	N/A	N/A	

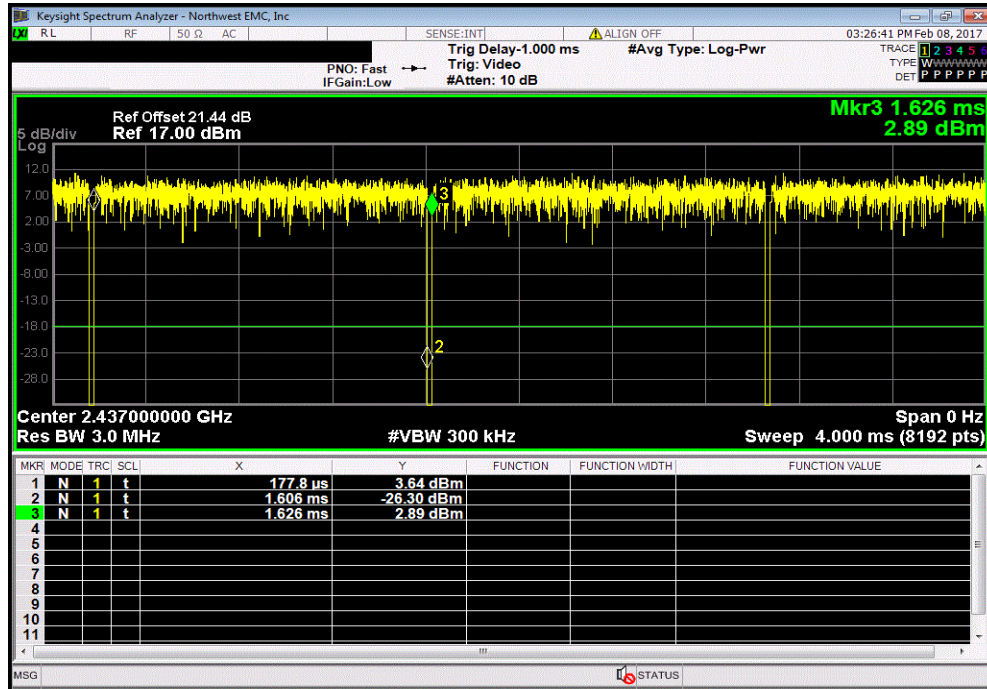


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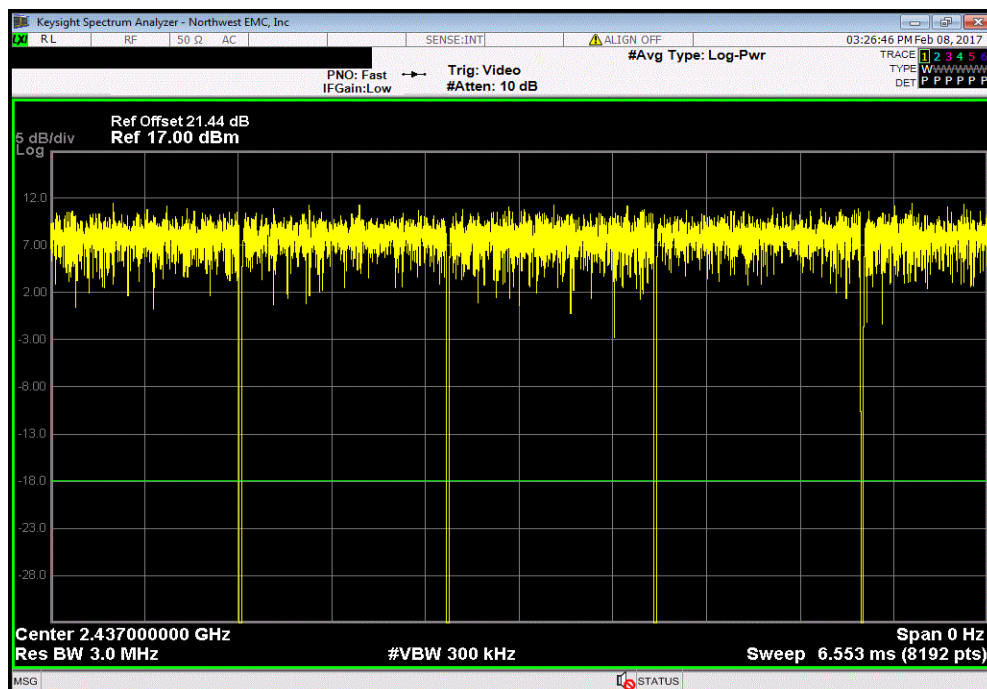


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Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
1.428 ms	1.448 ms	1	98.6	N/A	N/A	



Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
N/A	N/A	5	N/A	N/A	N/A	

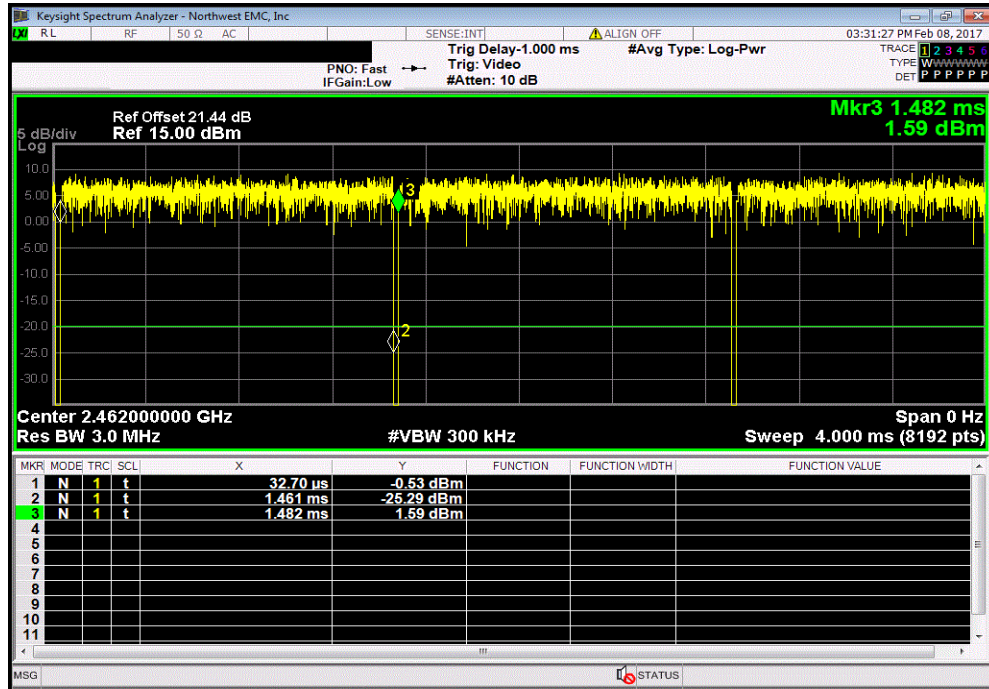


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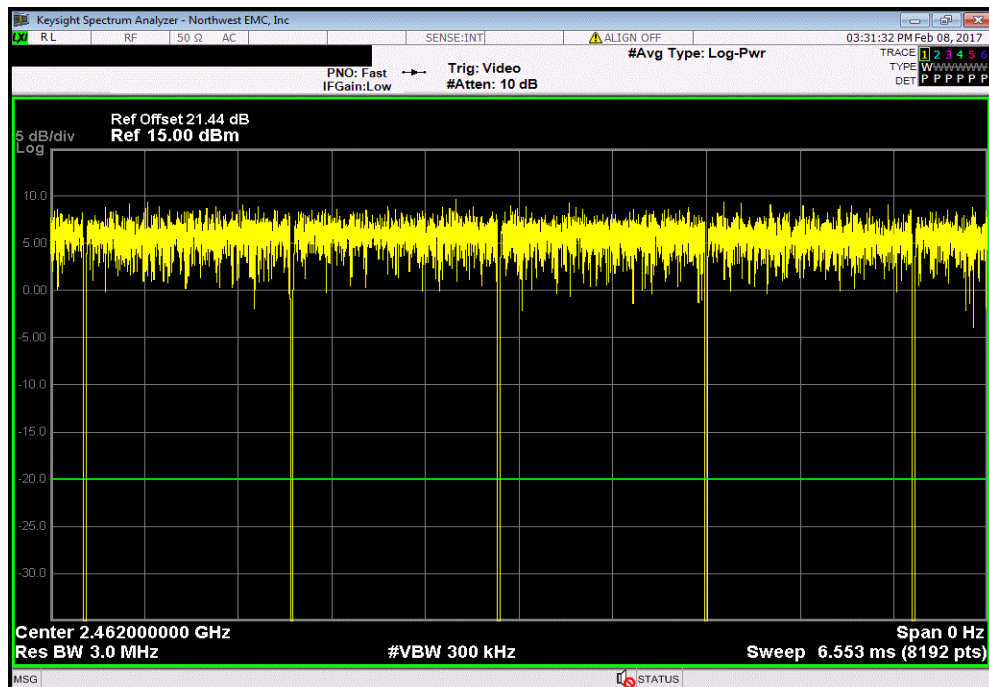


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Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
1.428 ms	1.449 ms	1	98.6	N/A	N/A	



Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
N/A	N/A	6	N/A	N/A	N/A	

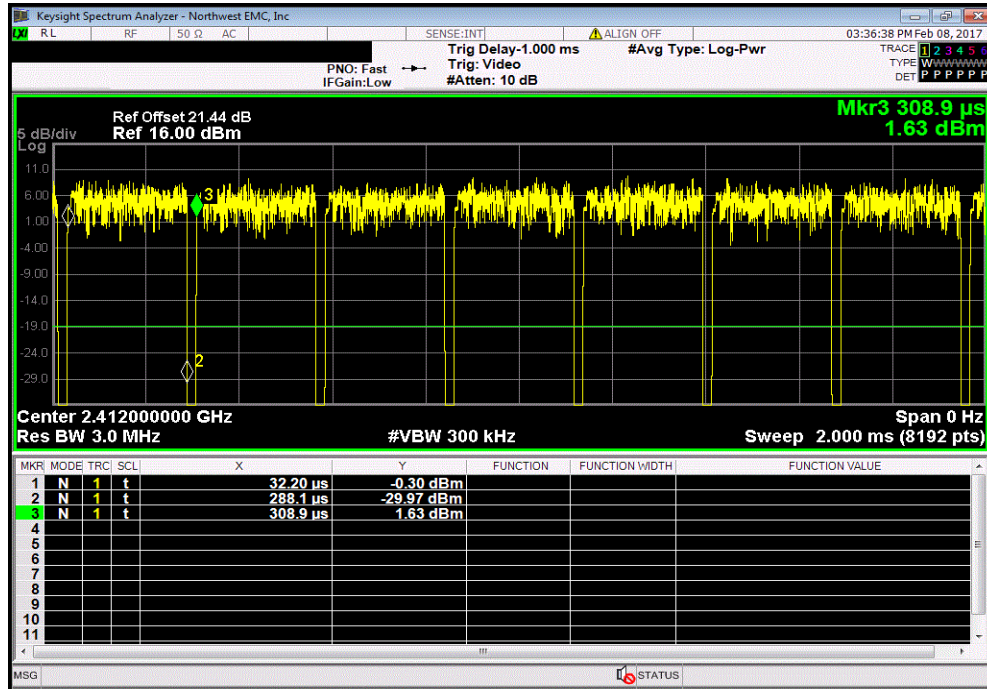


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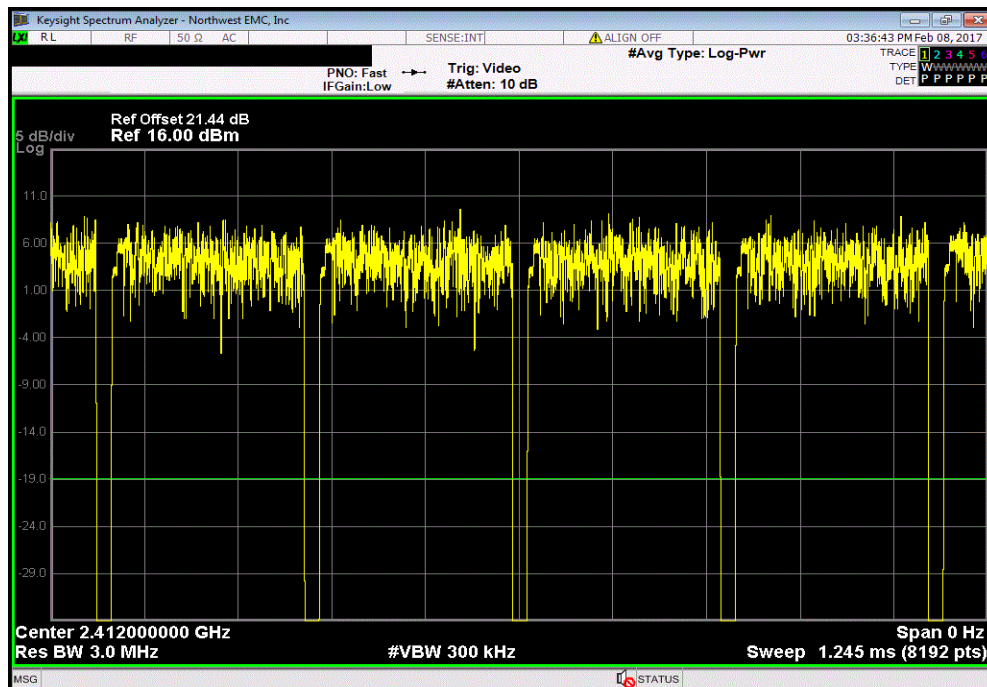


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Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
255.9 us	276.7 us	1	92.5	N/A	N/A	



Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
N/A	N/A	6	N/A	N/A	N/A	

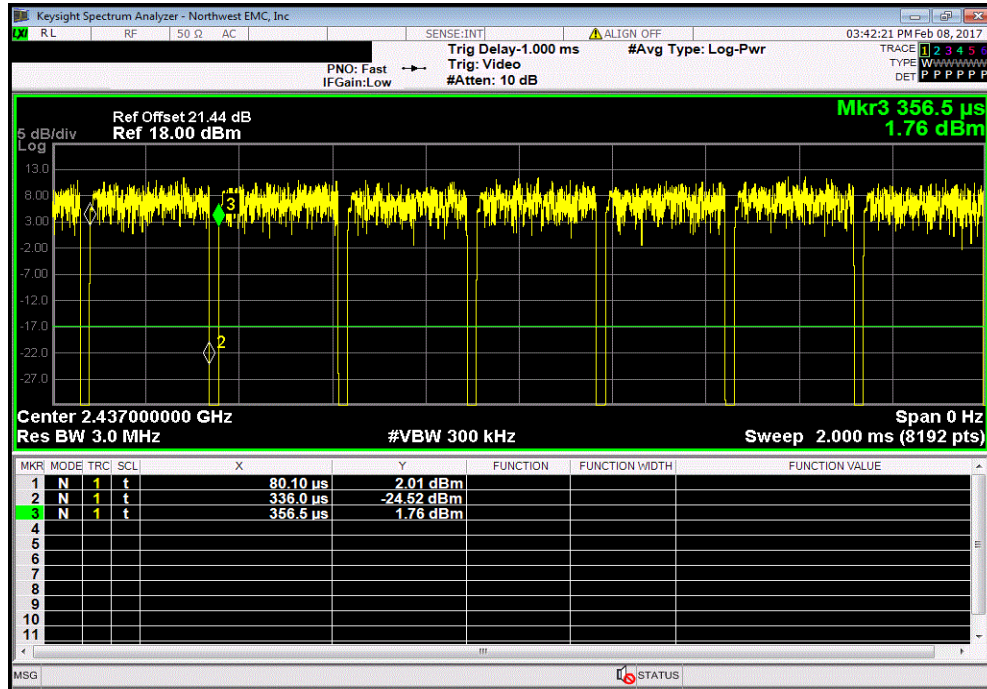


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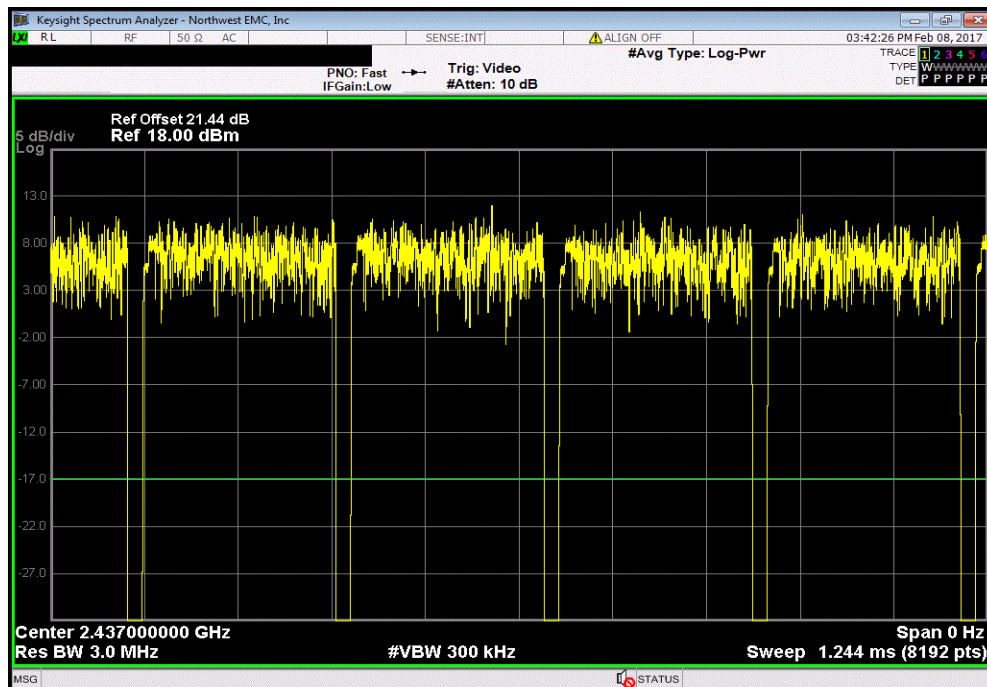


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Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
255.9 us	276.4 us	1	92.6	N/A	N/A	



Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
N/A	N/A	6	N/A	N/A	N/A	

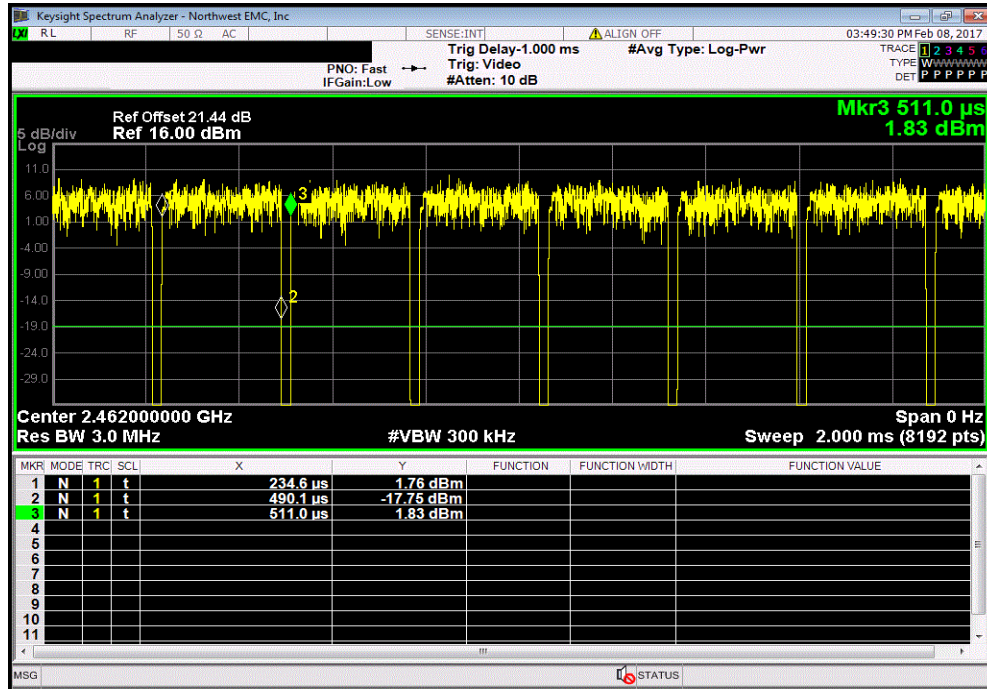


DUTY CYCLE

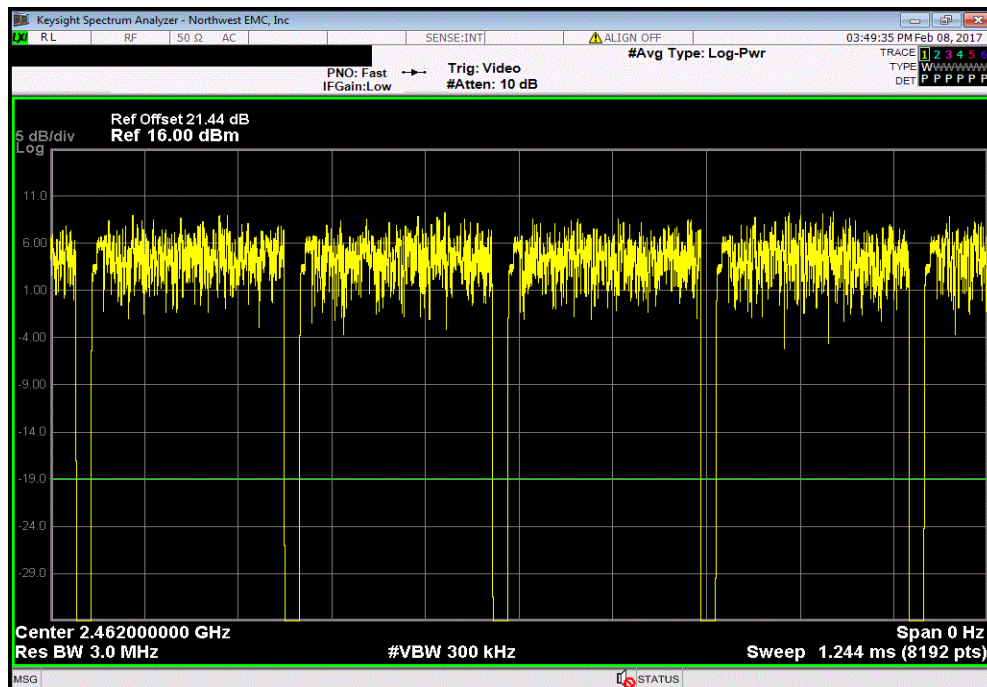


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Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
255.5 μ s	276.4 μ s	1	92.4	N/A	N/A	



Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
N/A	N/A	6	N/A	N/A	N/A	

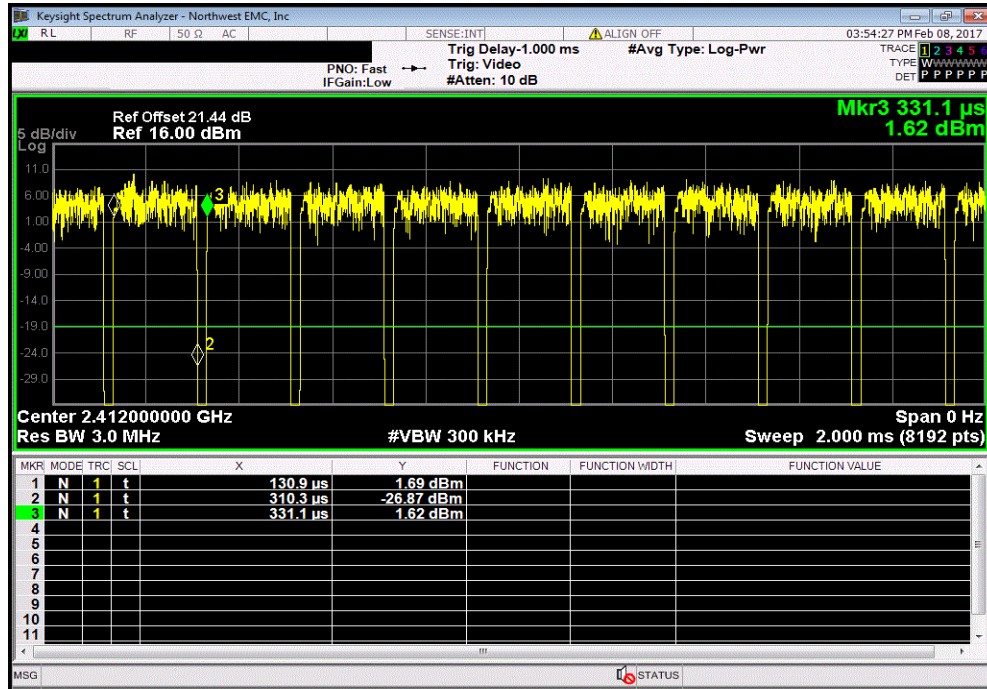


DUTY CYCLE

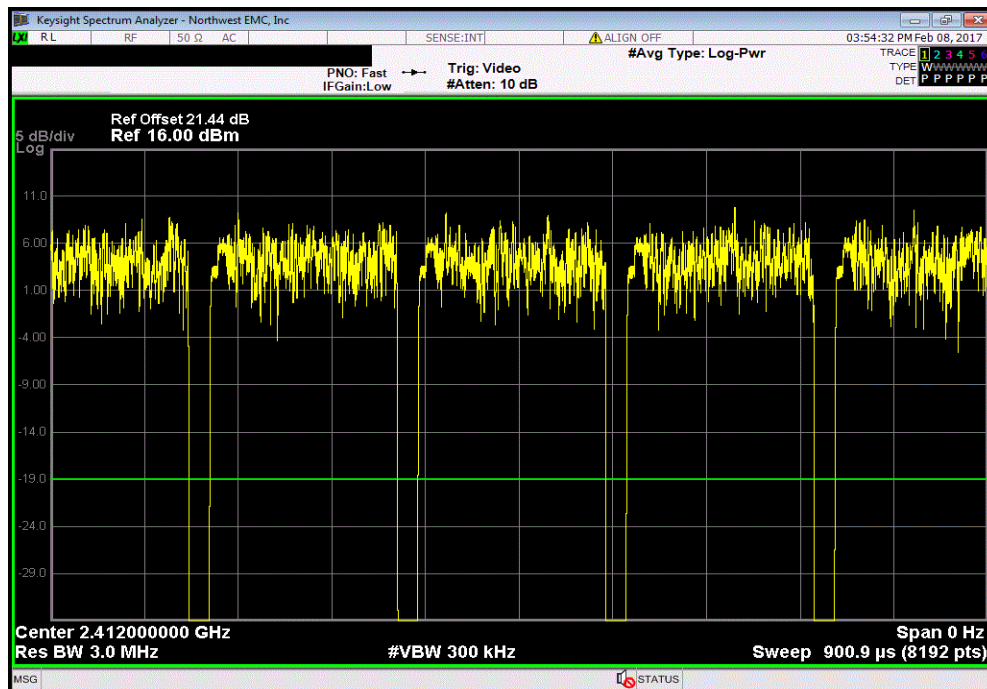


NweTx 2016.09.14.2 XMI 2017.01.26

Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Low Channel 1, 2412 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
179.4 us	200.2 us	1	89.6	N/A	N/A	



Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Low Channel 1, 2412 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
N/A	N/A	5	N/A	N/A	N/A	

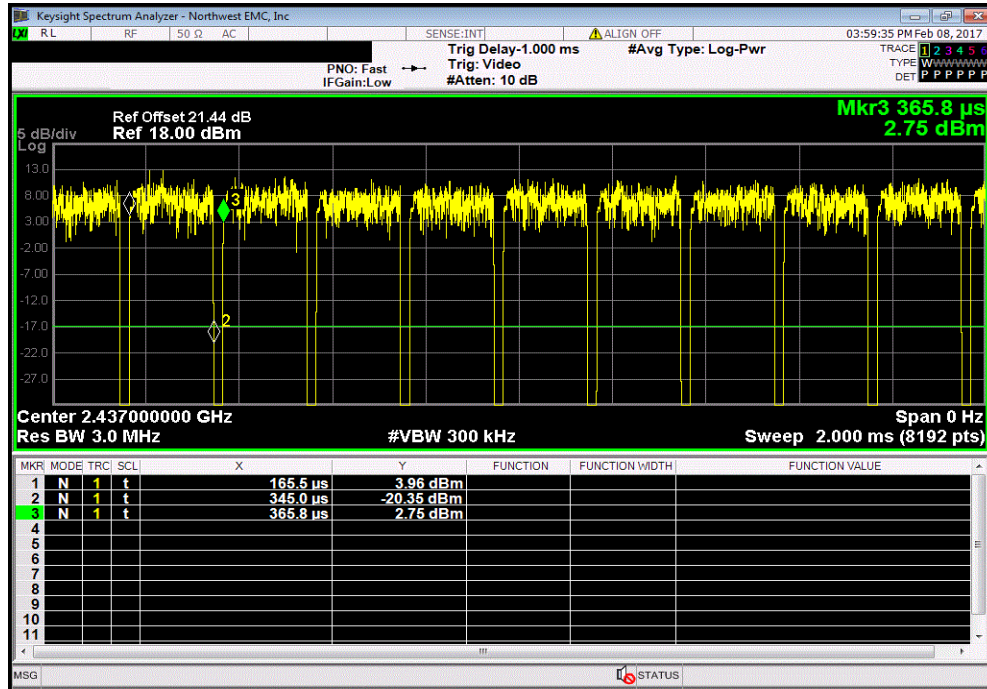


DUTY CYCLE

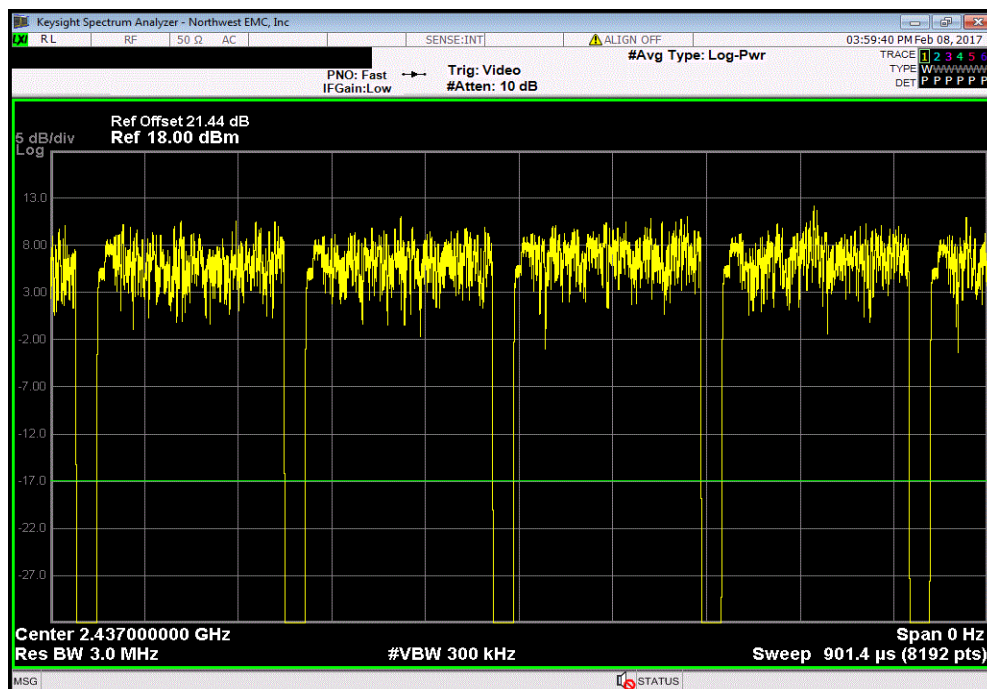


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Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Mid Channel 6, 2437 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
179.5 μ s	200.3 μ s	1	89.6	N/A	N/A	



Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Mid Channel 6, 2437 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
N/A	N/A	6	N/A	N/A	N/A	

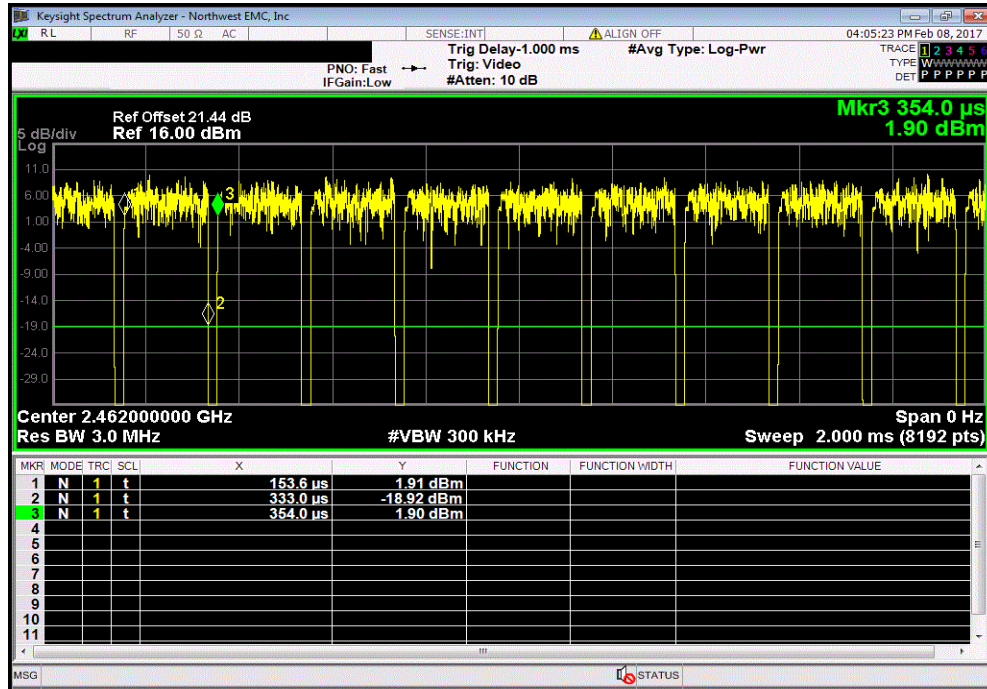


DUTY CYCLE

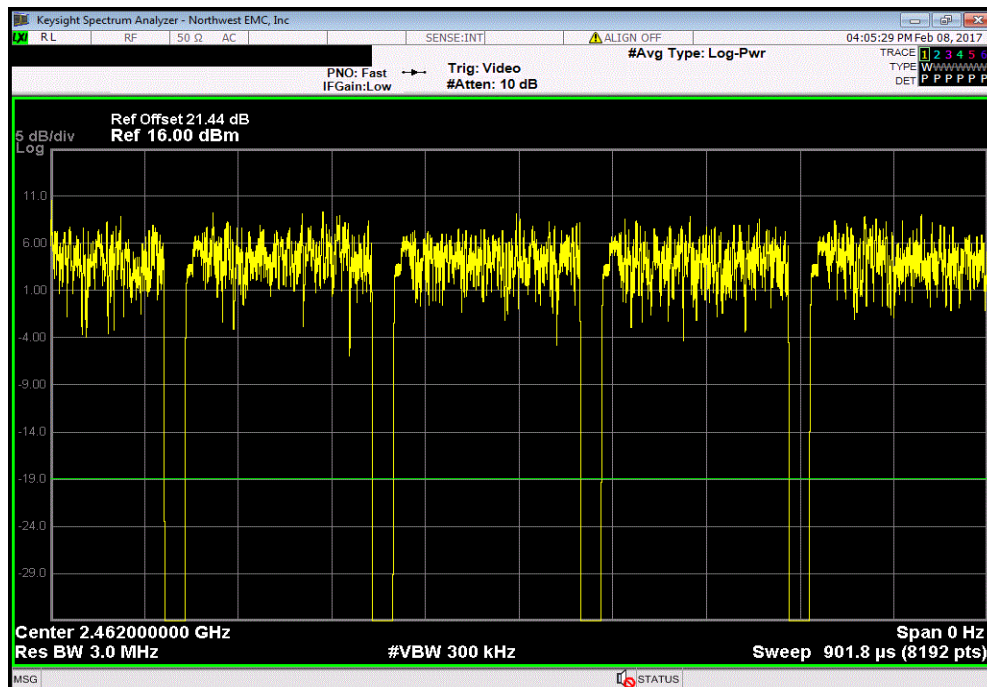


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Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, High Channel 11, 2462 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
179.4 us	200.4 us	1	89.5	N/A	N/A	



Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, High Channel 11, 2462 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
N/A	N/A	5	N/A	N/A	N/A	

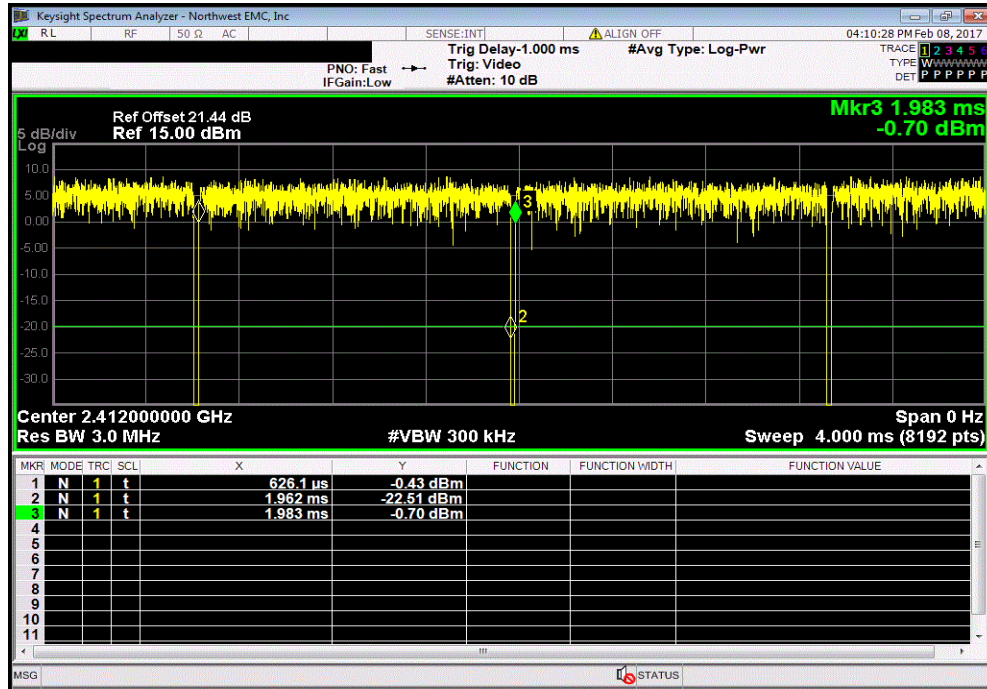


DUTY CYCLE

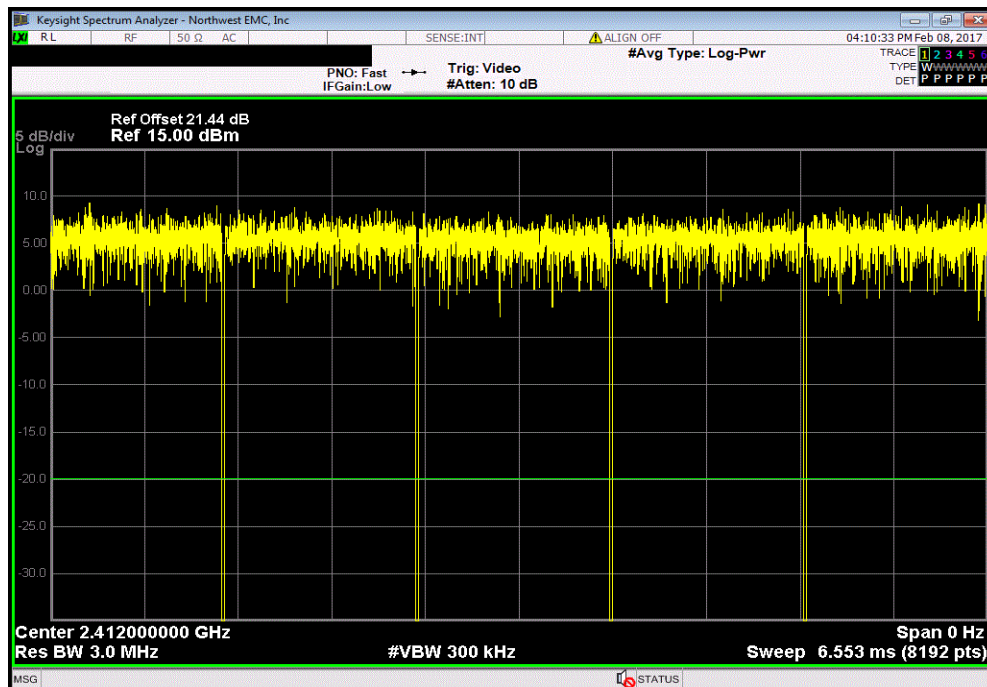


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Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, Low Channel 1, 2412 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
1.336 ms	1.357 ms	1	98.5	N/A	N/A	



Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, Low Channel 1, 2412 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
N/A	N/A	5	N/A	N/A	N/A	

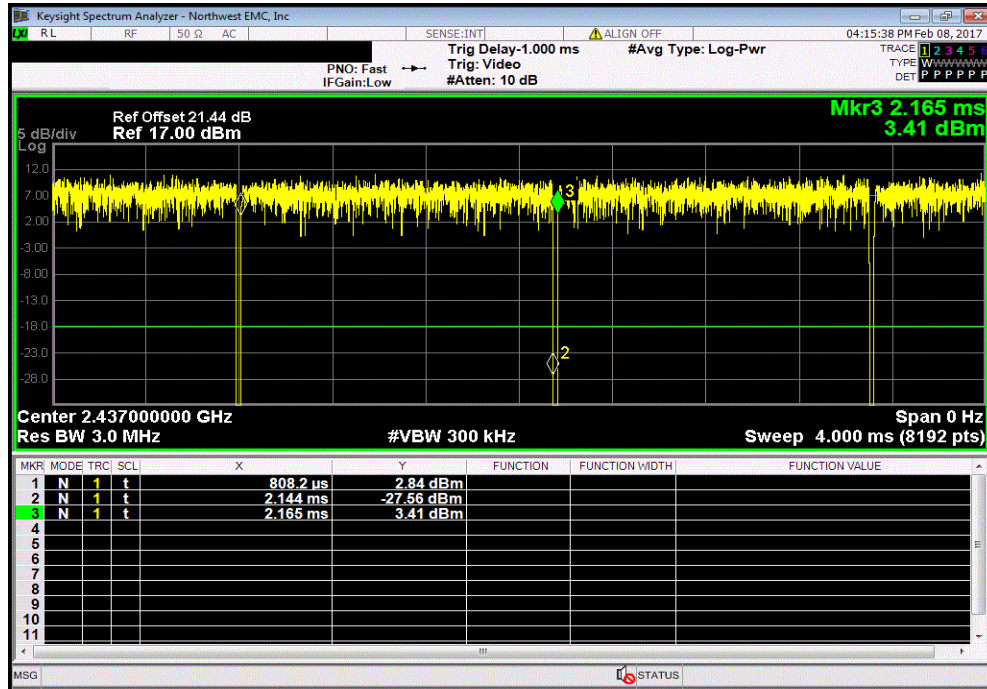


DUTY CYCLE

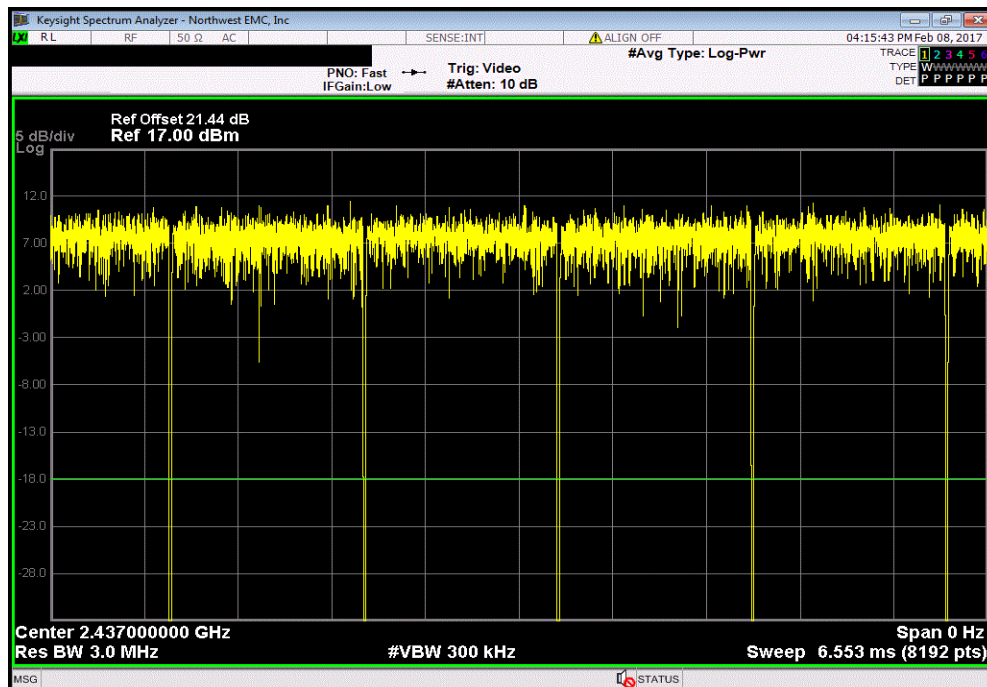


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Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, Mid Channel 6, 2437 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
1.336 ms	1.357 ms	1	98.5	N/A	N/A	



Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, Mid Channel 6, 2437 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
N/A	N/A	6	N/A	N/A	N/A	

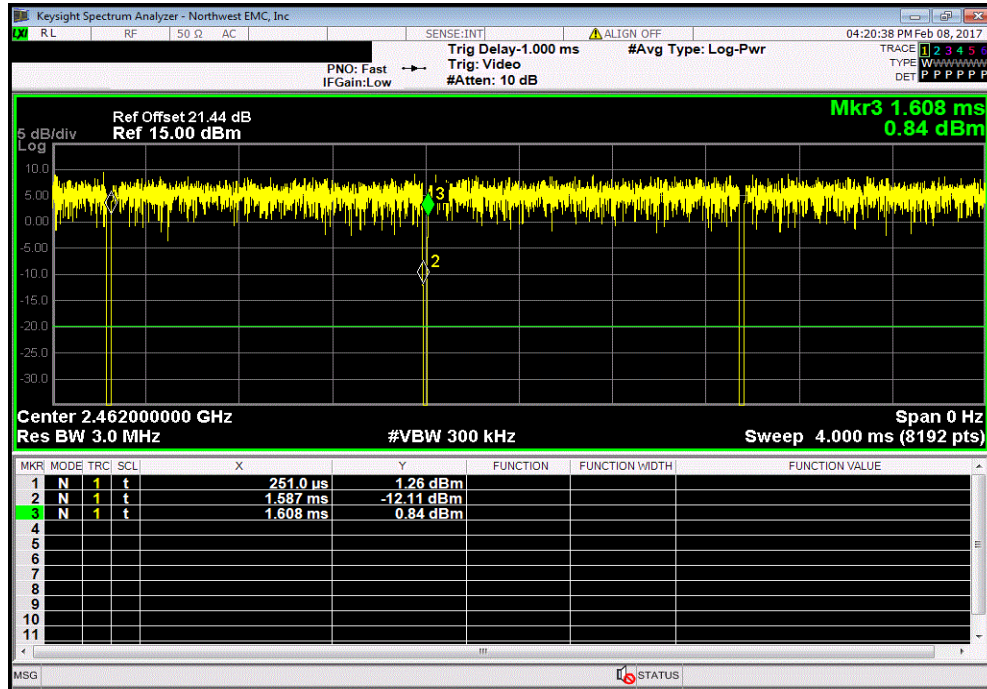


DUTY CYCLE

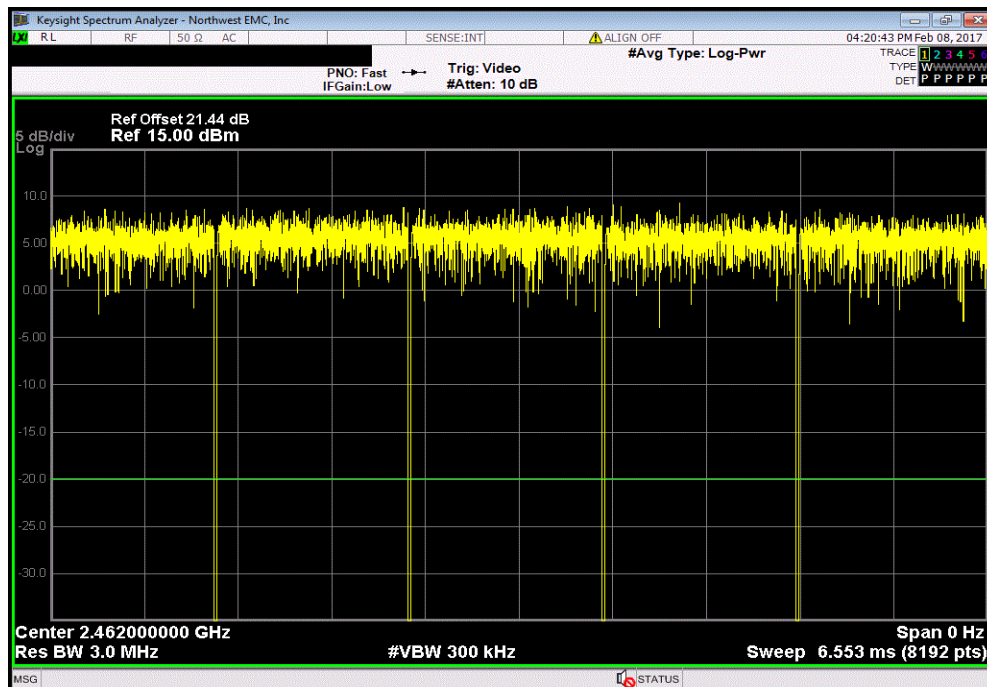


NweTx 2016.09.14.2 XMI 2017.01.26

Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, High Channel 11, 2462 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
1.336 ms	1.357 ms	1	98.5	N/A	N/A	



Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, High Channel 11, 2462 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
N/A	N/A	5	N/A	N/A	N/A	

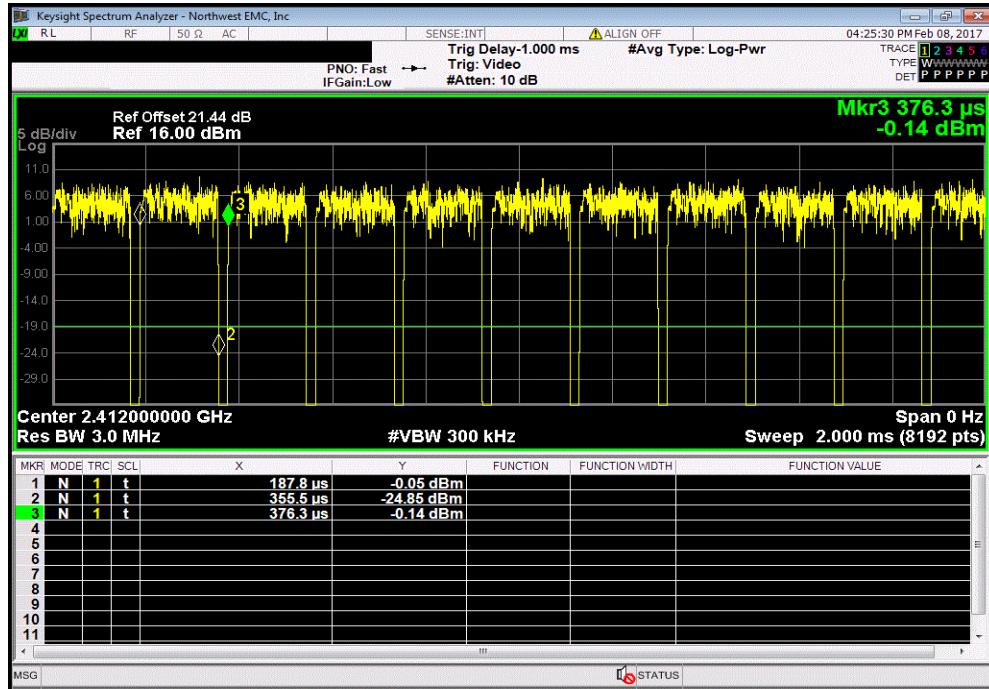


DUTY CYCLE

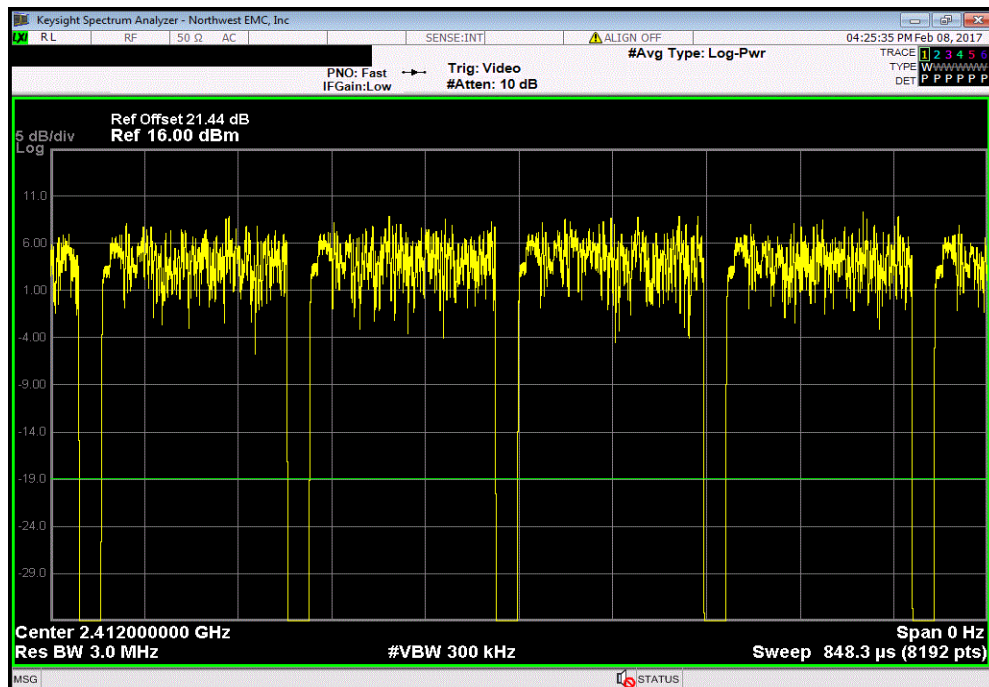


NweTx 2016.09.14.2 XMI 2017.01.26

Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, Low Channel 1, 2412 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
167.7 us	188.5 us	1	89	N/A	N/A	



Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, Low Channel 1, 2412 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
N/A	N/A	6	N/A	N/A	N/A	

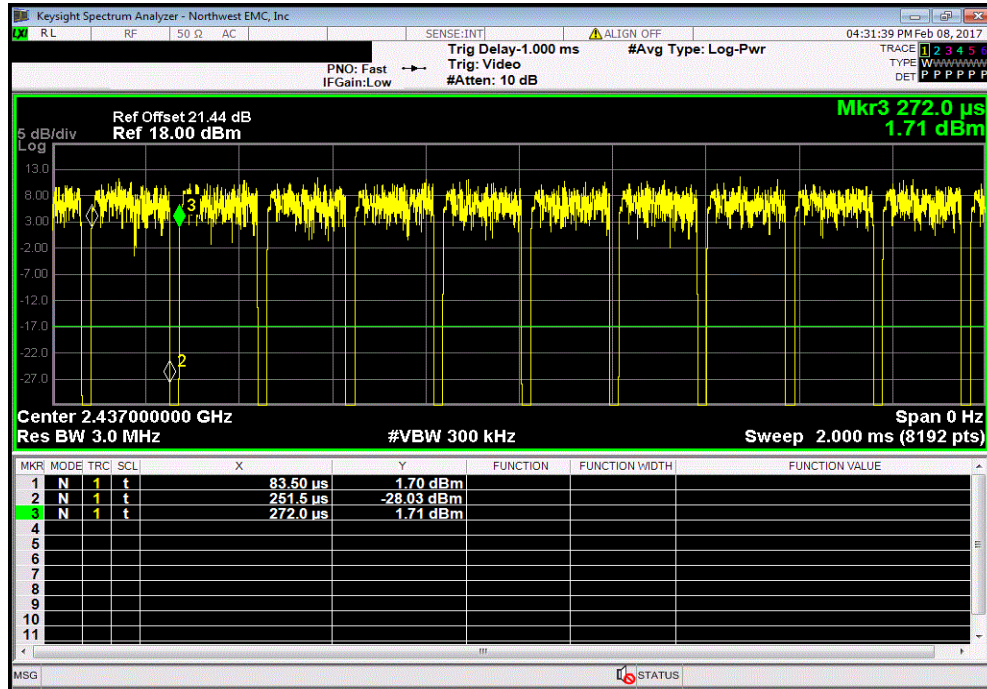


DUTY CYCLE

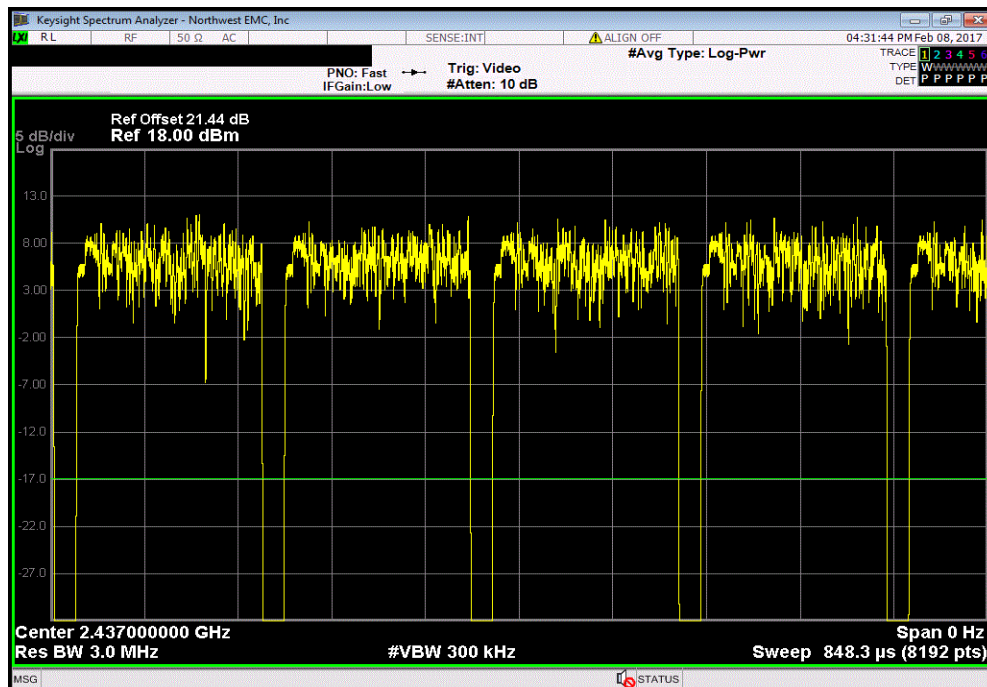


NweTx 2016.09.14.2 XMI 2017.01.26

Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, Mid Channel 6, 2437 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
168 us	188.5 us	1	89.1	N/A	N/A	



Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, Mid Channel 6, 2437 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
N/A	N/A	6	N/A	N/A	N/A	

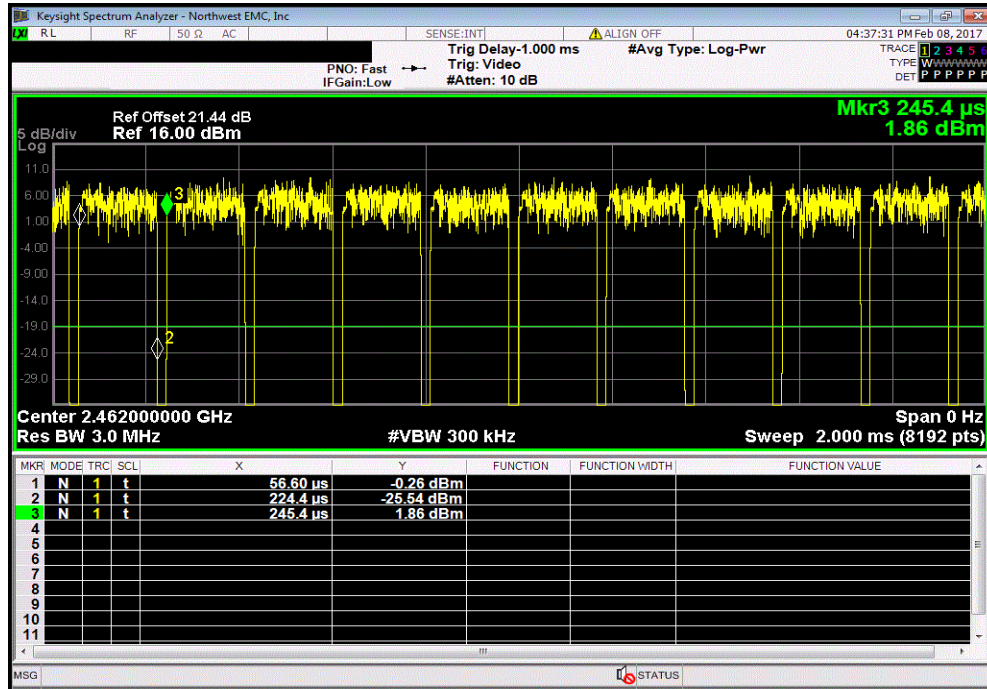


DUTY CYCLE

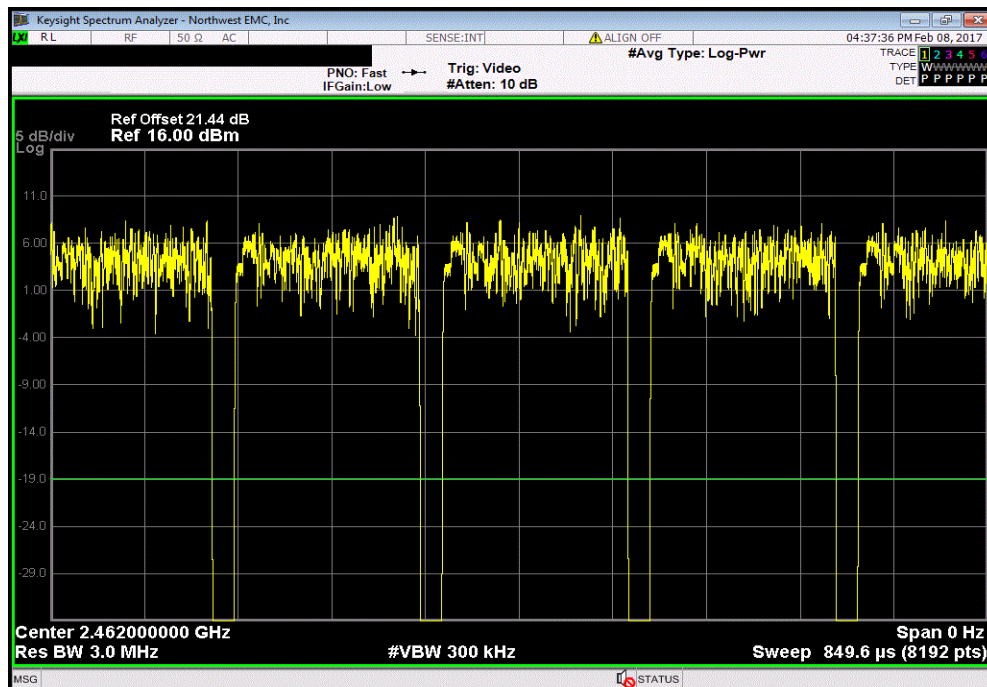


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Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, High Channel 11, 2462 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
167.8 μ s	188.8 μ s	1	88.9	N/A	N/A	



Antenna A0, 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, High Channel 11, 2462 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
N/A	N/A	5	N/A	N/A	N/A	

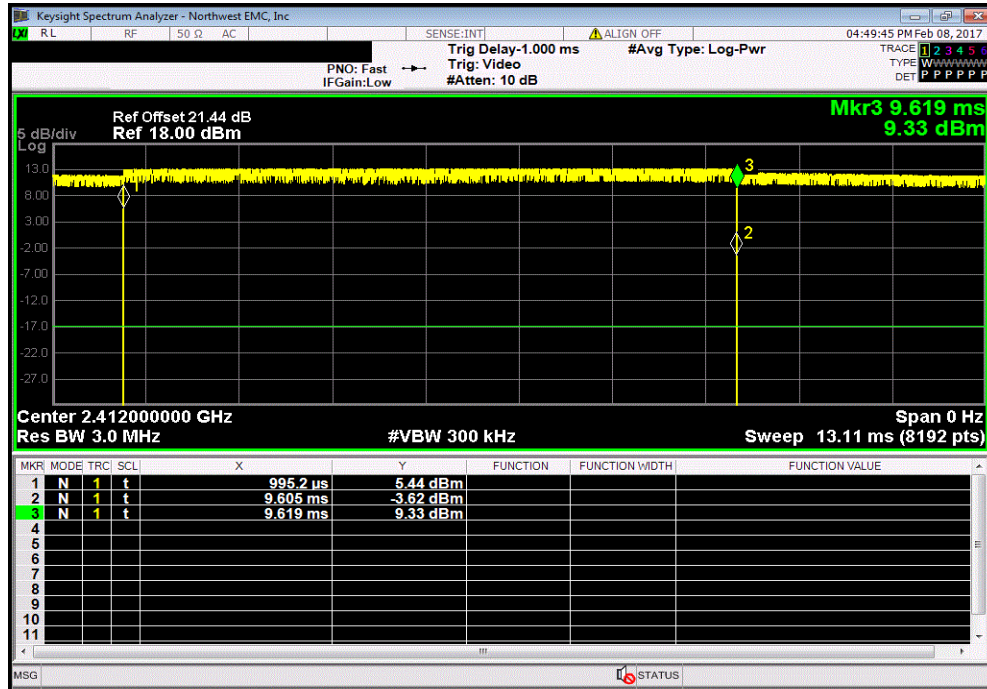


DUTY CYCLE

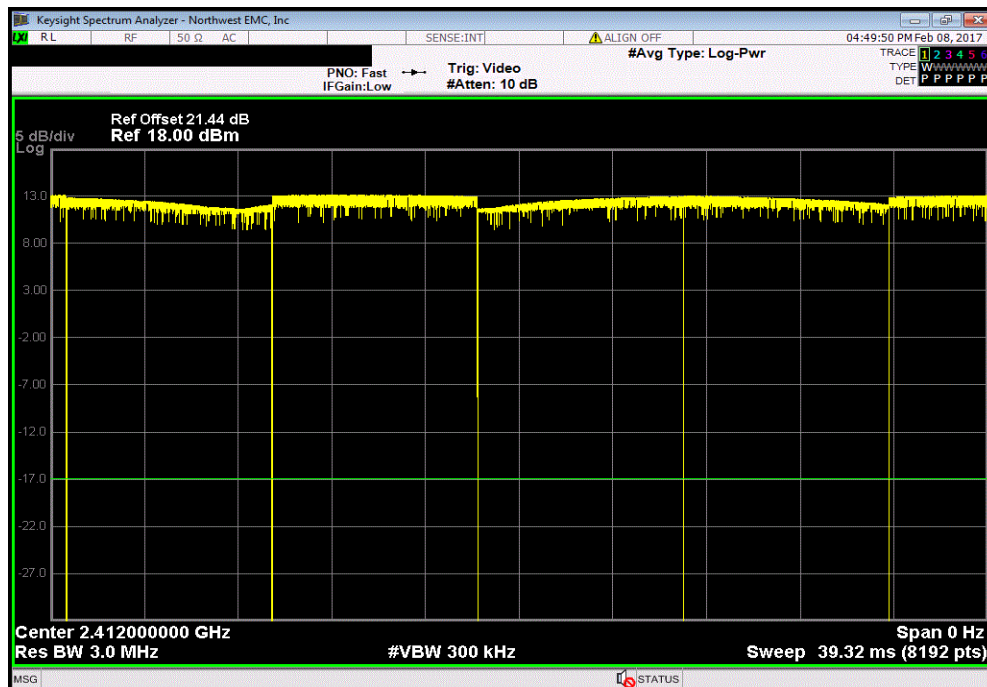


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Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
8.61 ms	8.624 ms	1	99.8	N/A	N/A	



Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
N/A	N/A	6	N/A	N/A	N/A	

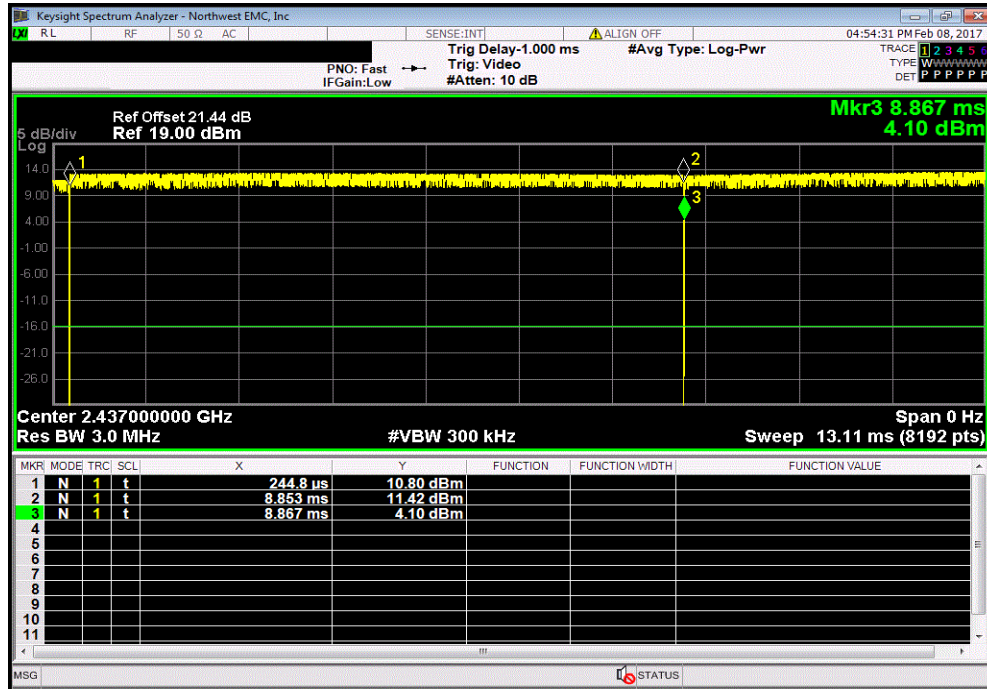


DUTY CYCLE

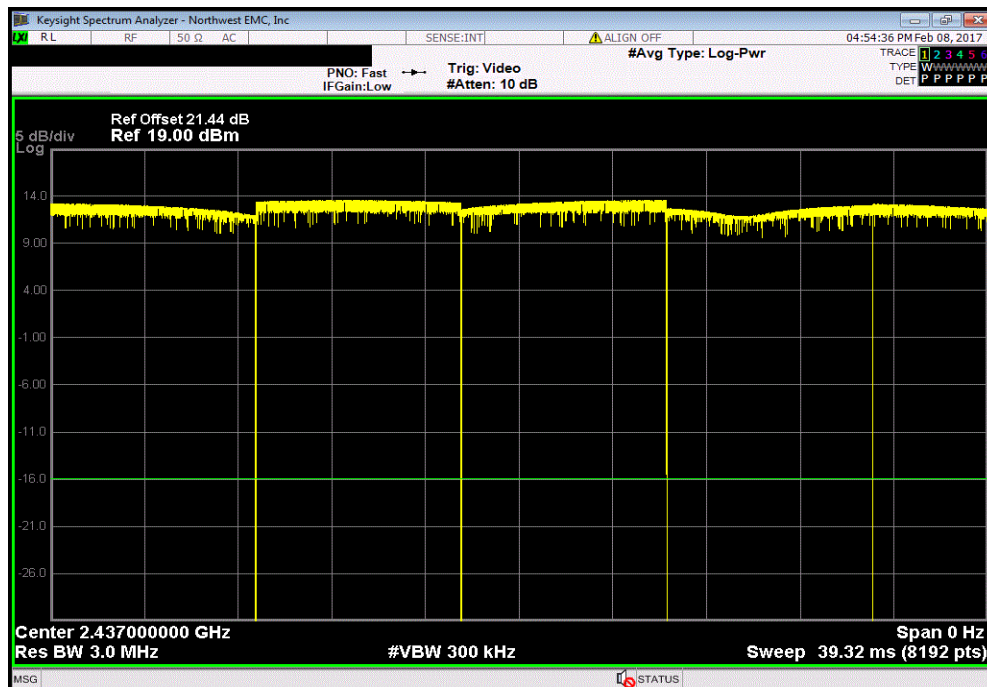


NweTx 2016.09.14.2 XMI 2017.01.26

Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Mid Channel 6, 2437 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
8.608 ms	8.622 ms	1	99.8	N/A	N/A	



Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Mid Channel 6, 2437 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
N/A	N/A	5	N/A	N/A	N/A	

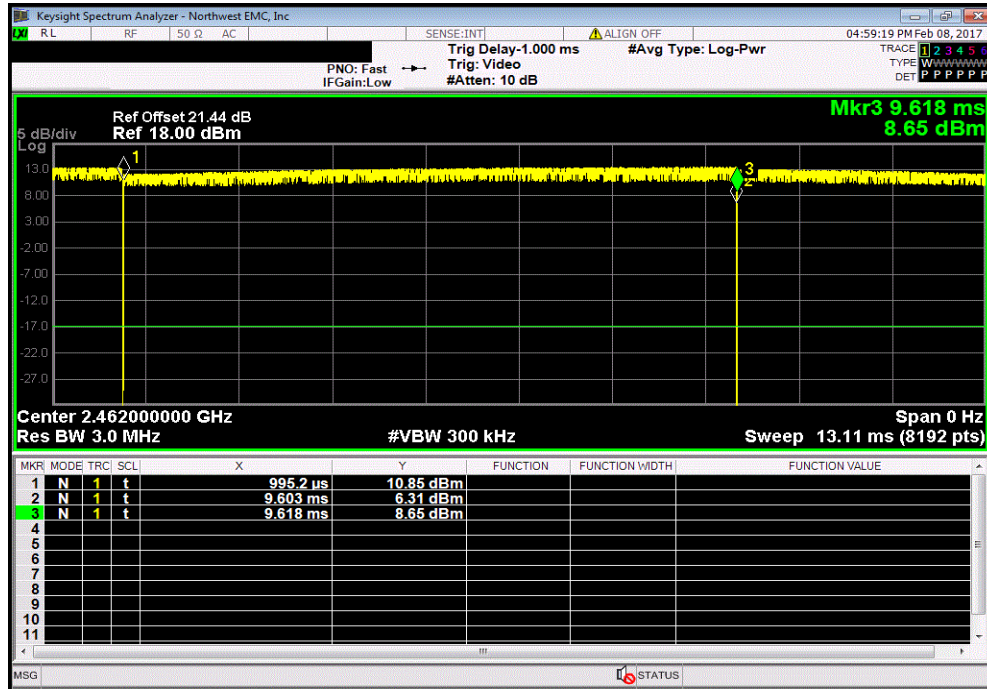


DUTY CYCLE

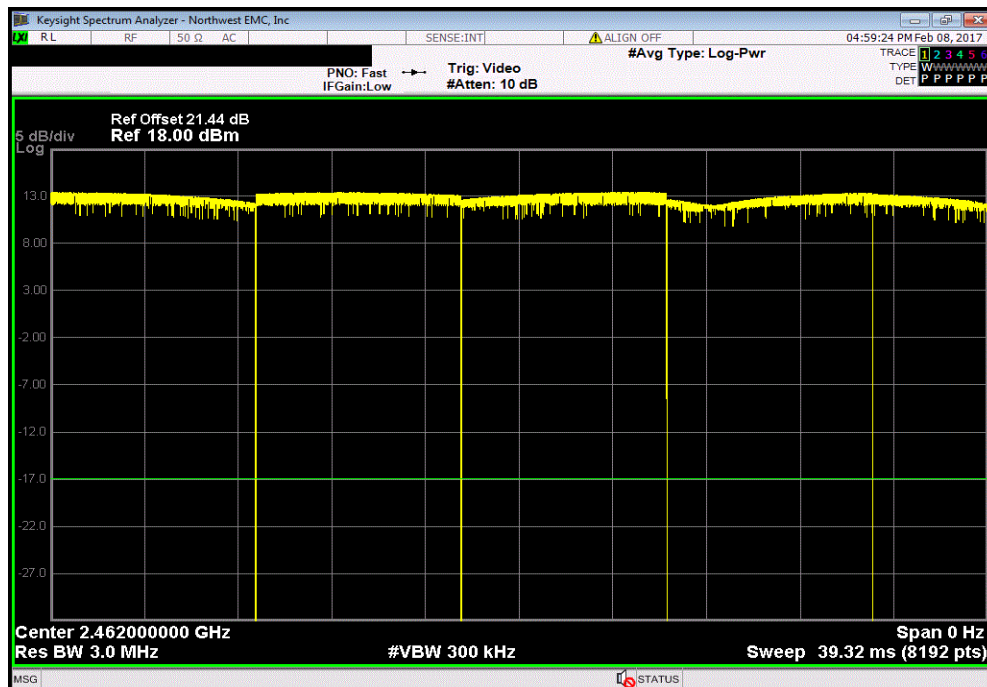


NweTx 2016.09.14.2 XMI 2017.01.26

Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
8.608 ms	8.622 ms	1	99.8	N/A	N/A	



Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
N/A	N/A	5	N/A	N/A	N/A	

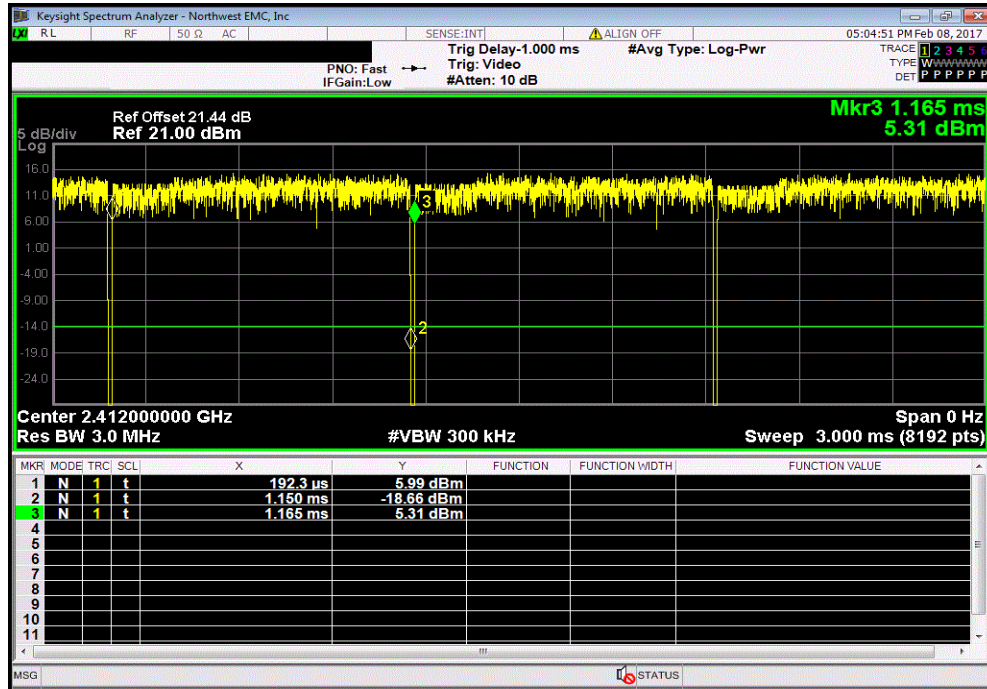


DUTY CYCLE

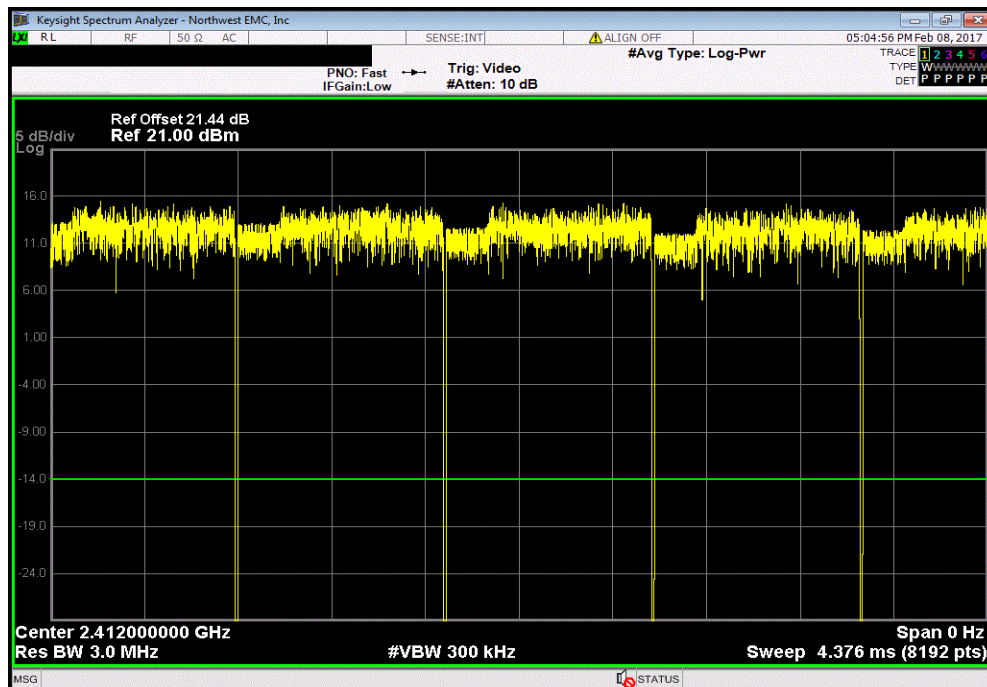


NwTx 2016.09.14.2 XMI 2017.01.26

Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
958.1 us	972.4 us	1	98.5	N/A	N/A	



Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
N/A	N/A	5	N/A	N/A	N/A	

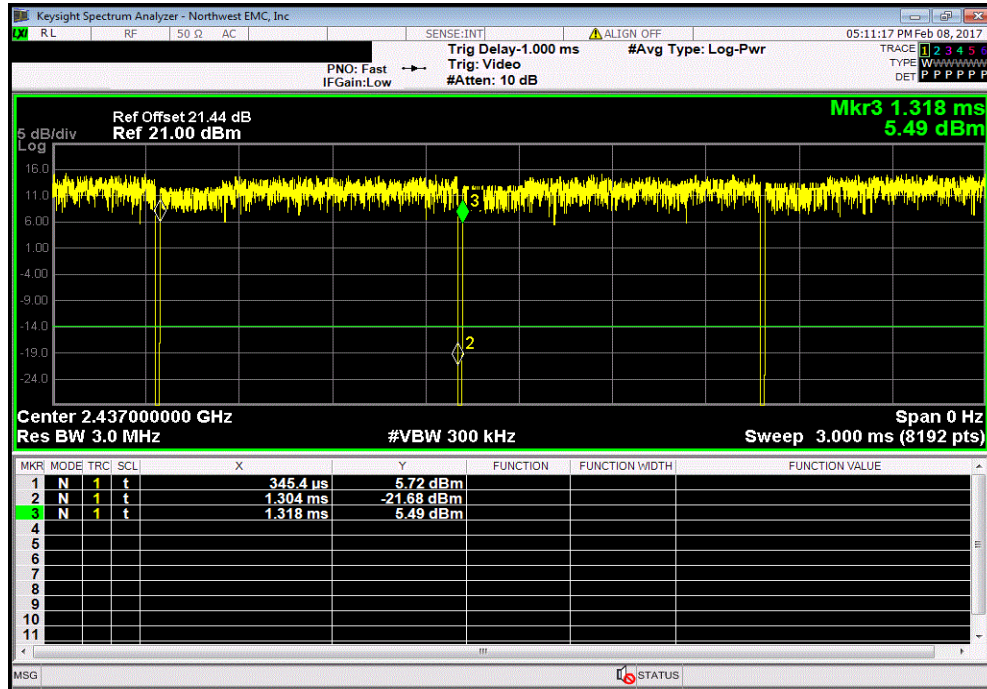


DUTY CYCLE

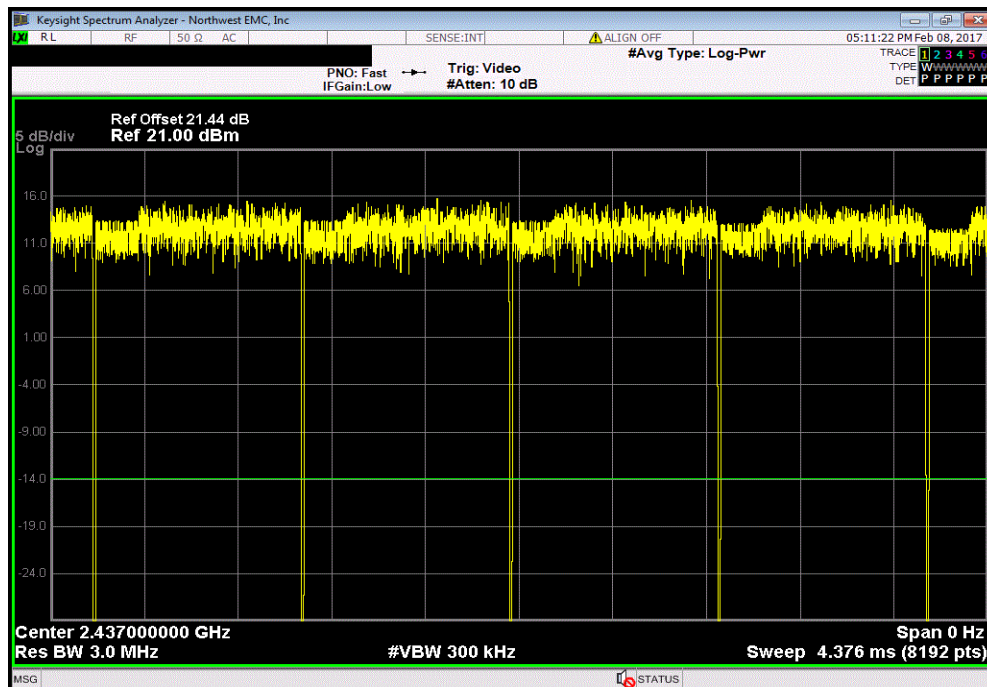


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Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
958.1 us	972.4 us	1	98.5	N/A	N/A	



Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
N/A	N/A	6	N/A	N/A	N/A	

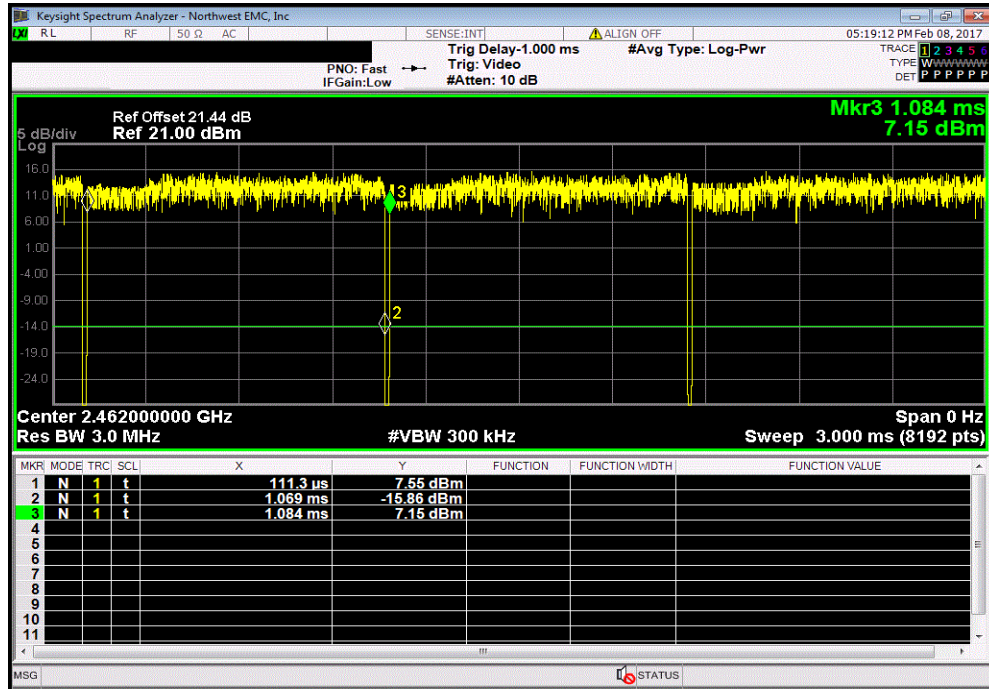


DUTY CYCLE

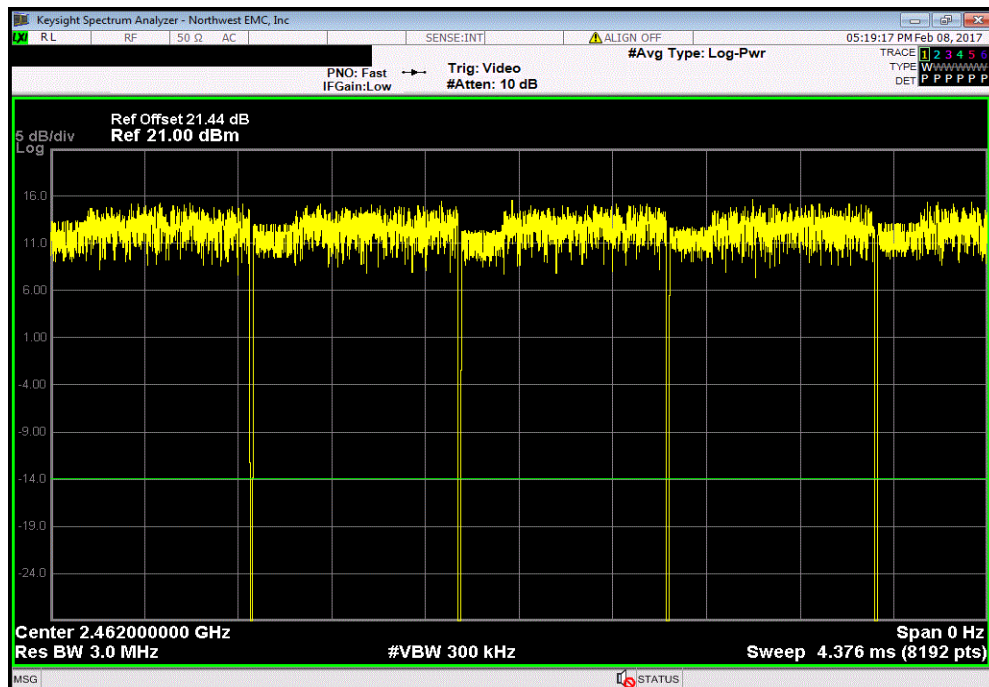


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Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
957.8 us	972.5 us	1	98.5	N/A	N/A	



Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
N/A	N/A	5	N/A	N/A	N/A	

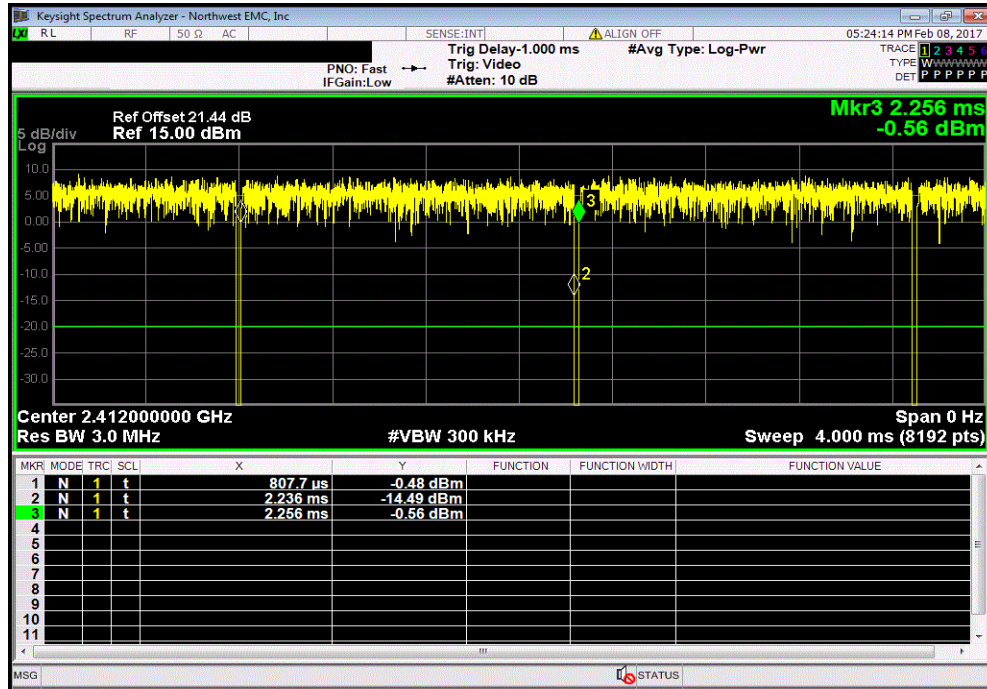


DUTY CYCLE

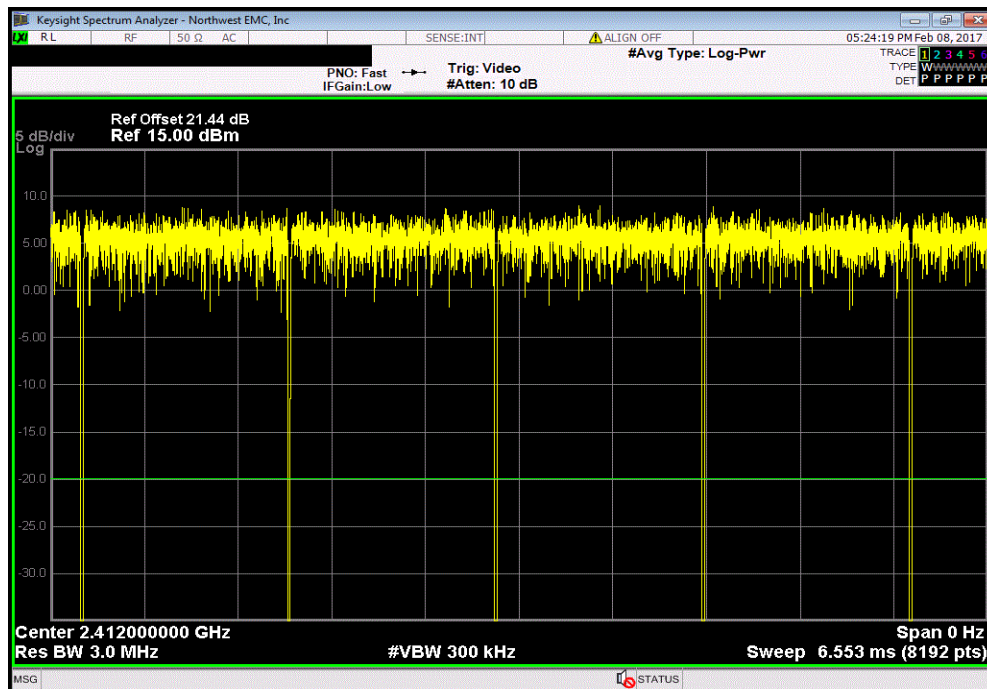


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Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
1.428 ms	1.448 ms	1	98.6	N/A	N/A	



Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
N/A	N/A	6	N/A	N/A	N/A	

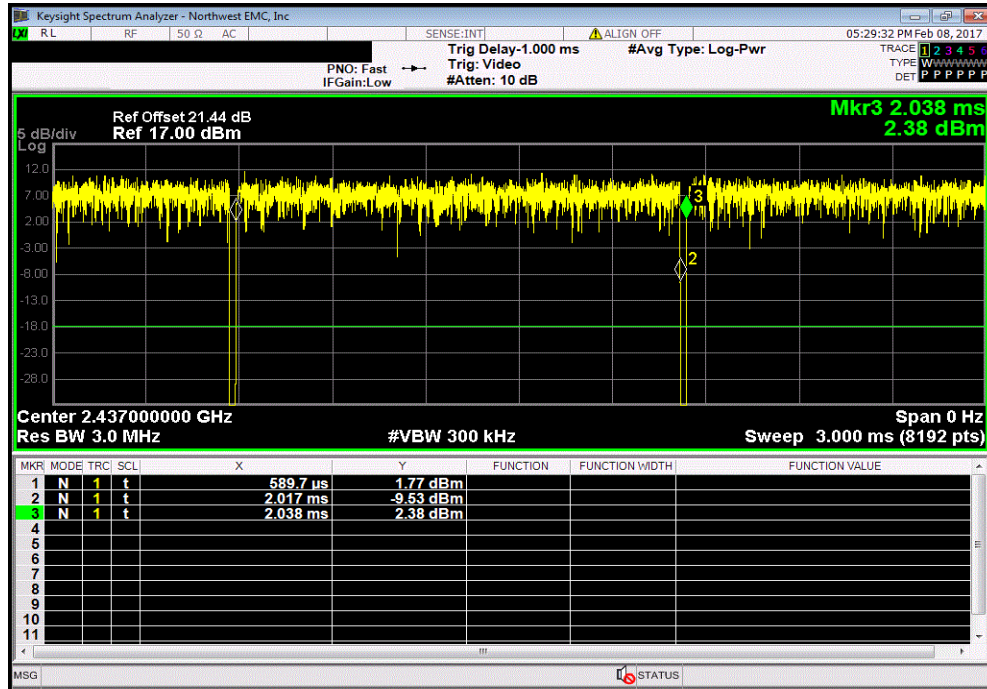


DUTY CYCLE

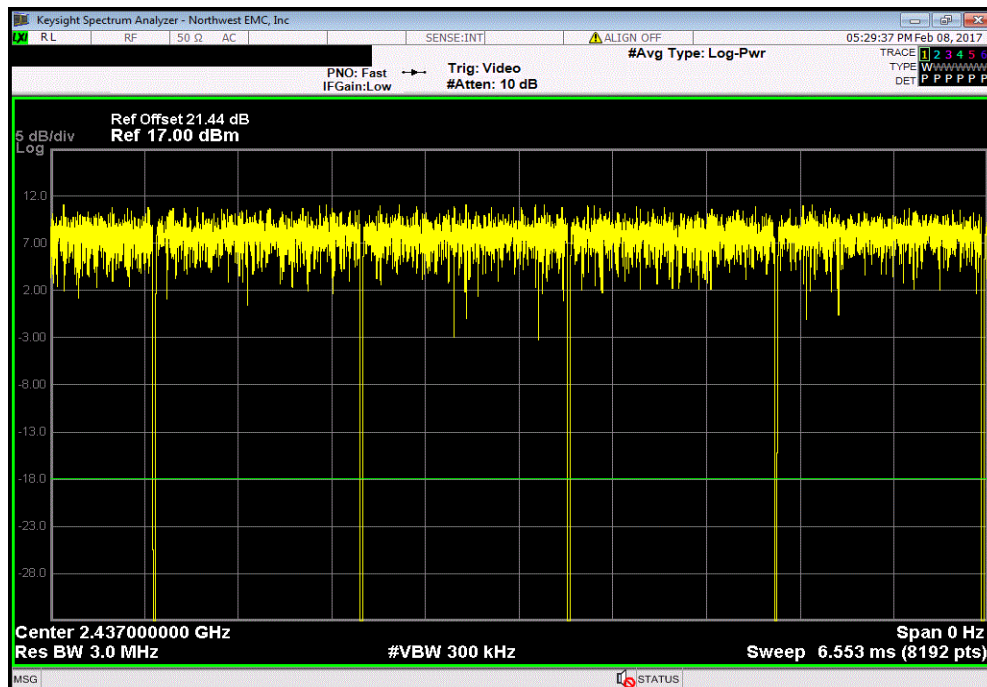


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Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
1.428 ms	1.449 ms	1	98.6	N/A	N/A	



Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
N/A	N/A	6	N/A	N/A	N/A	

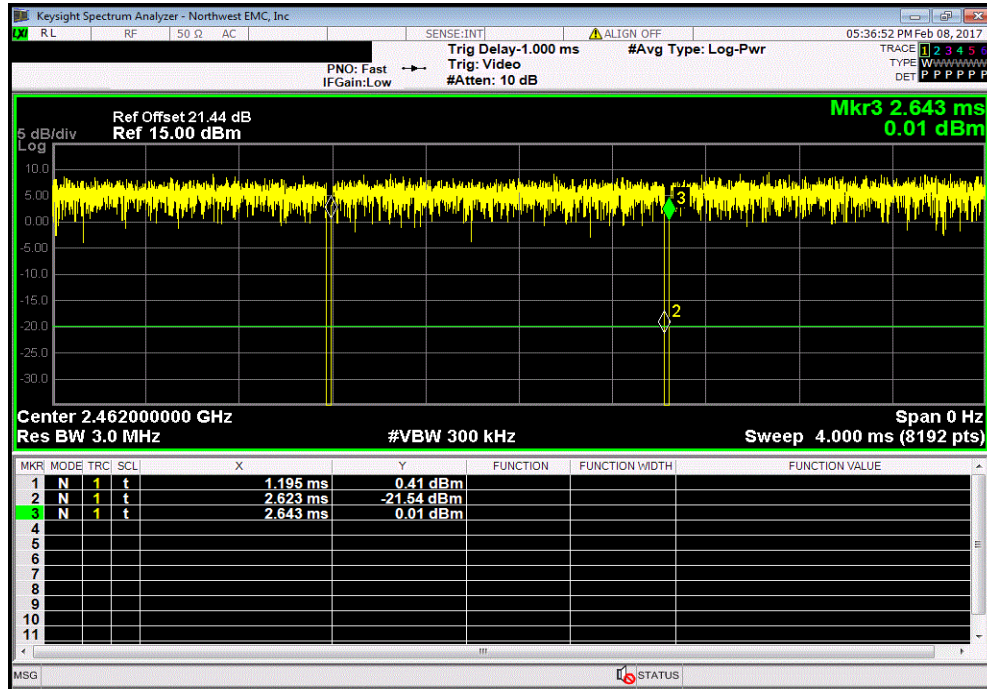


DUTY CYCLE

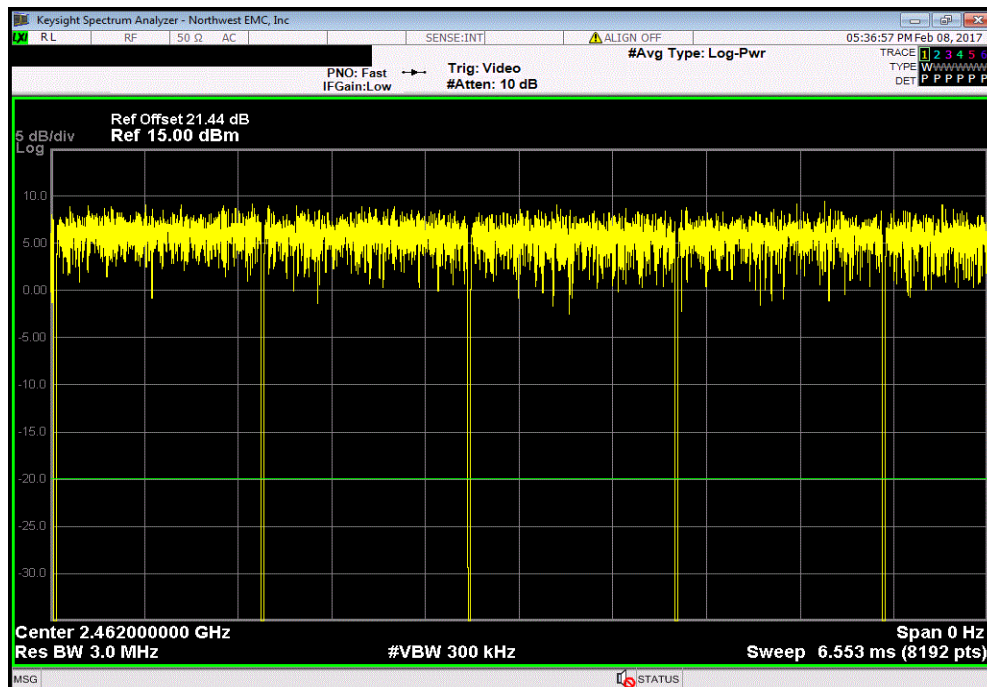


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Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
1.428 ms	1.448 ms	1	98.6	N/A	N/A	



Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
N/A	N/A	6	N/A	N/A	N/A	

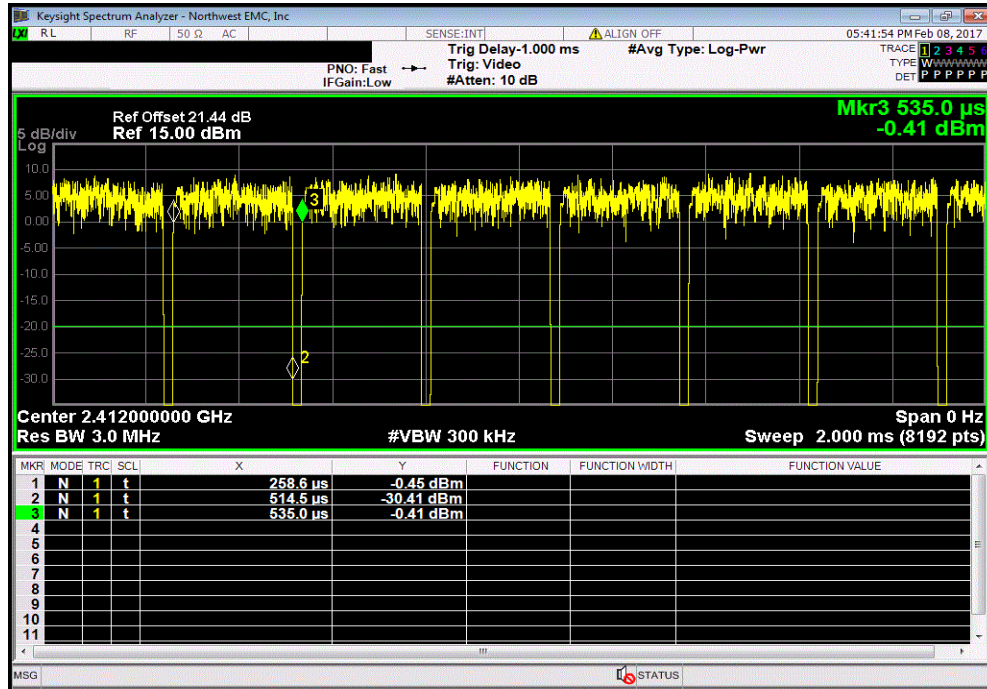


DUTY CYCLE

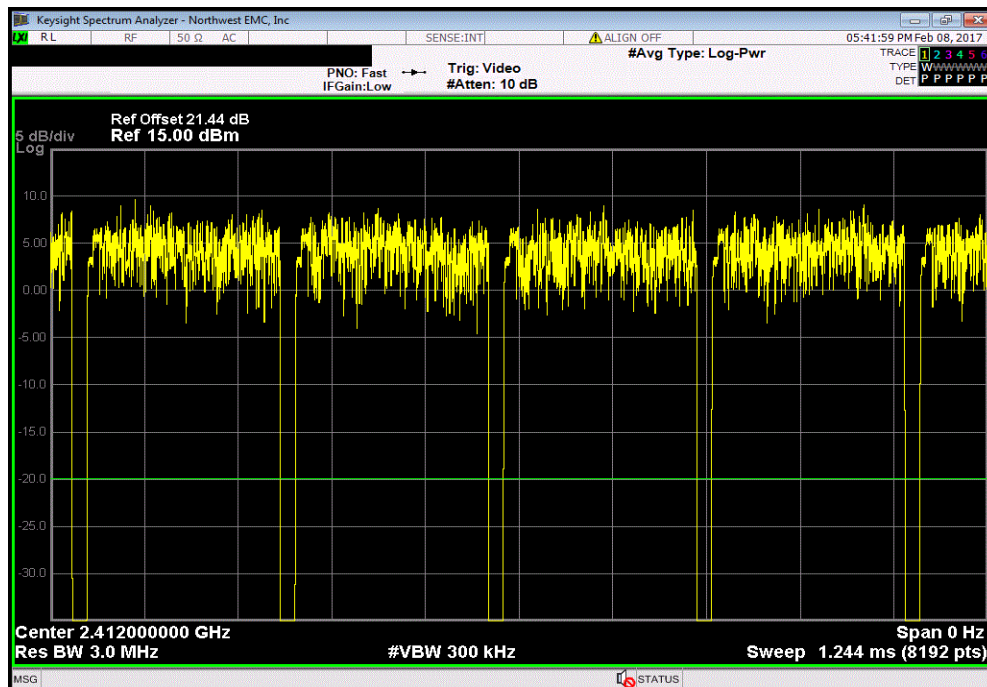


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Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
255.9 μ s	276.4 μ s	1	92.6	N/A	N/A	



Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
N/A	N/A	6	N/A	N/A	N/A	

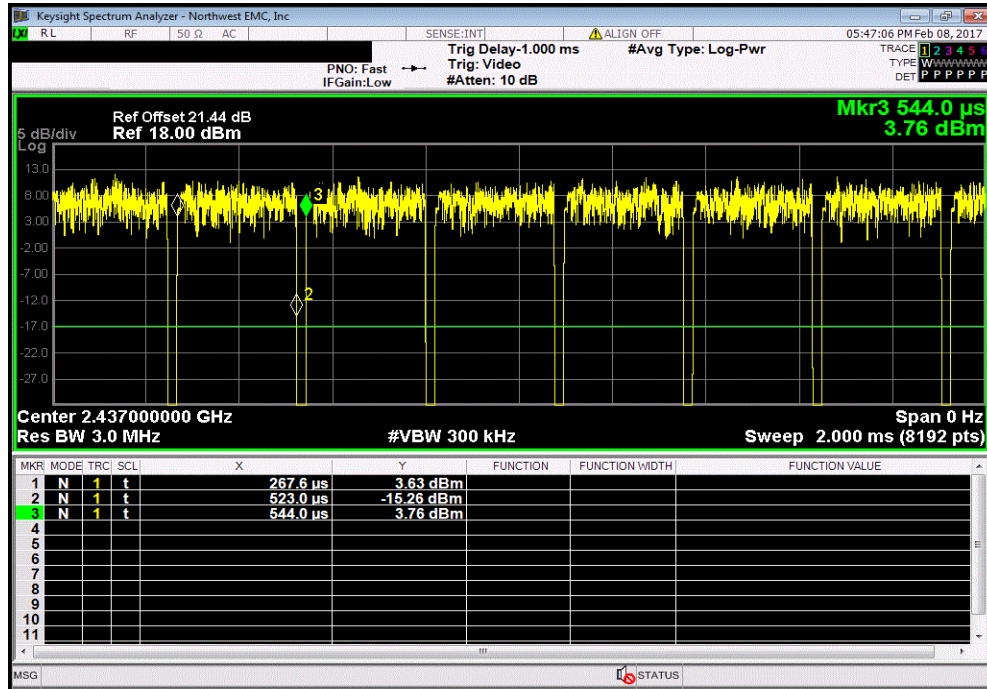


DUTY CYCLE

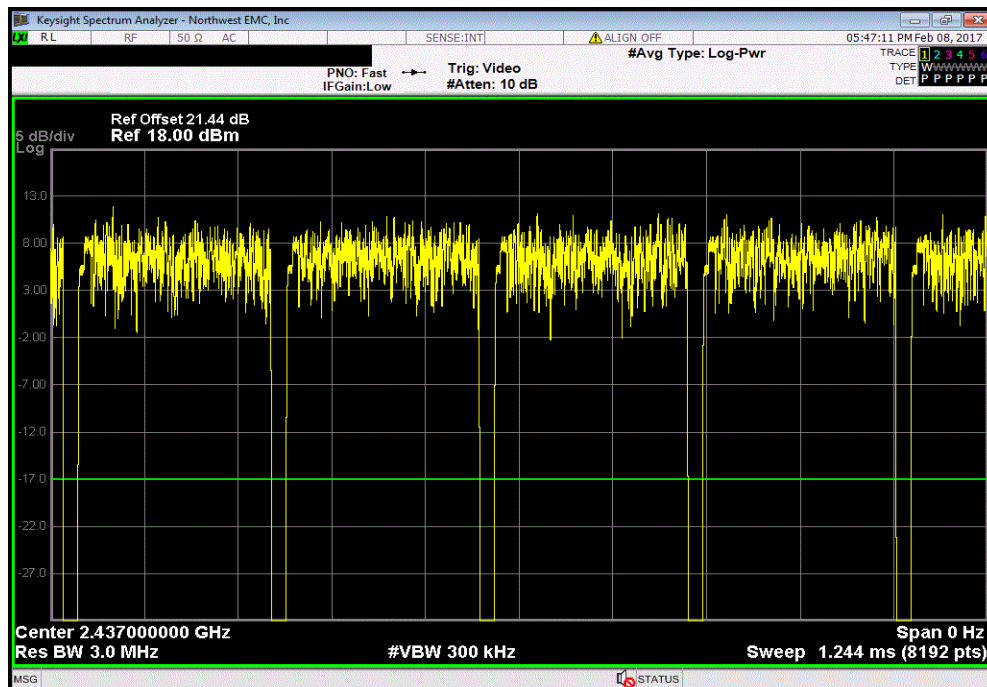


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Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
255.4 us	276.4 us	1	92.4	N/A	N/A	



Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
N/A	N/A	6	N/A	N/A	N/A	

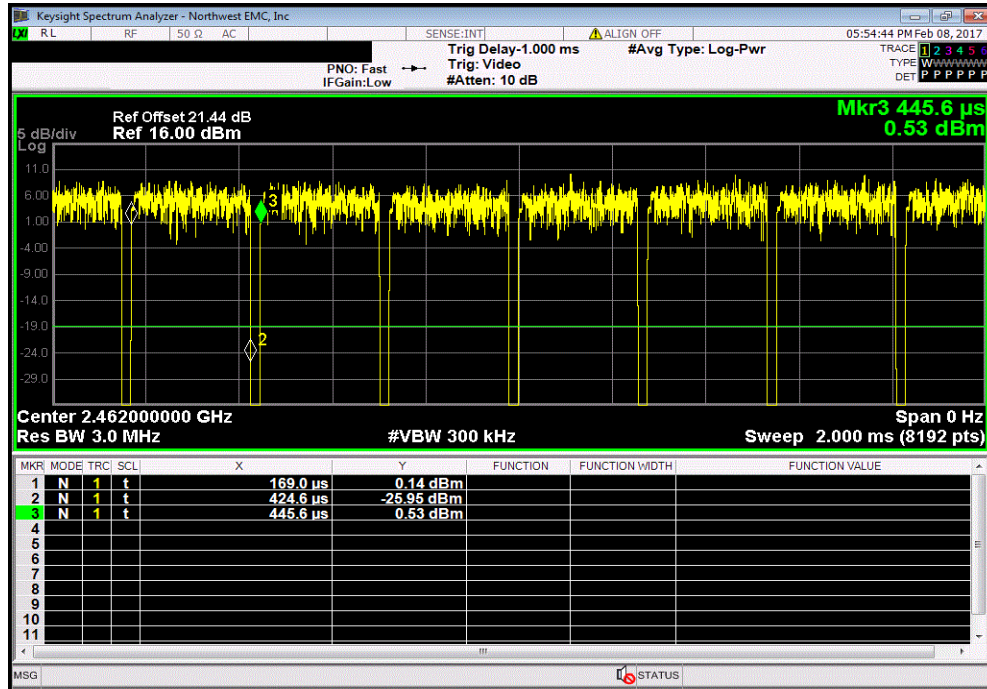


DUTY CYCLE

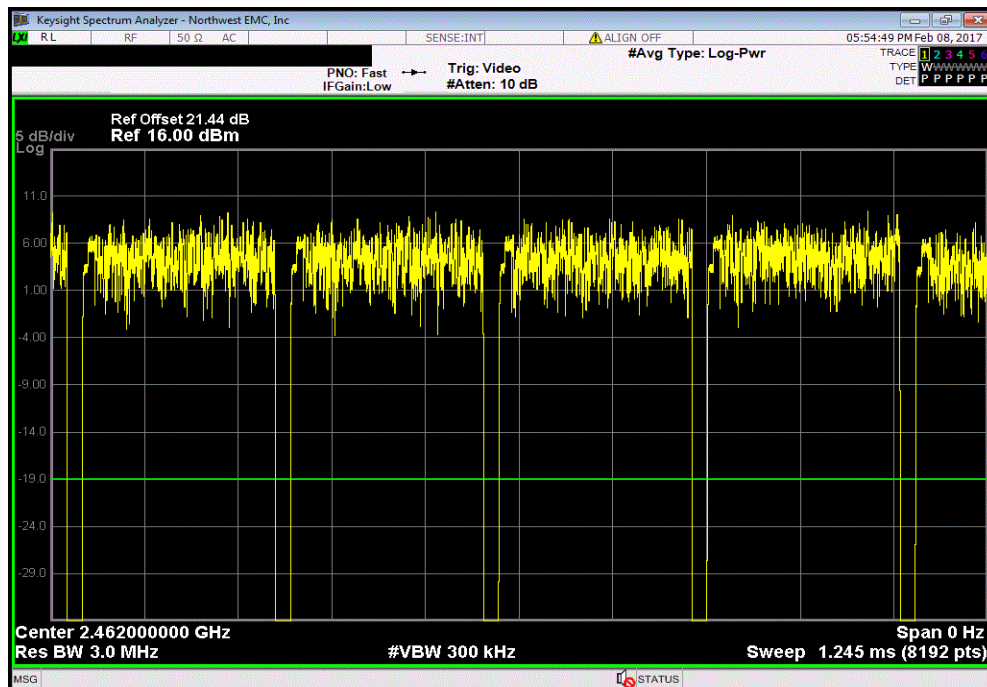


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Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
255.6 μ s	276.6 μ s	1	92.4	N/A	N/A	



Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
N/A	N/A	6	N/A	N/A	N/A	

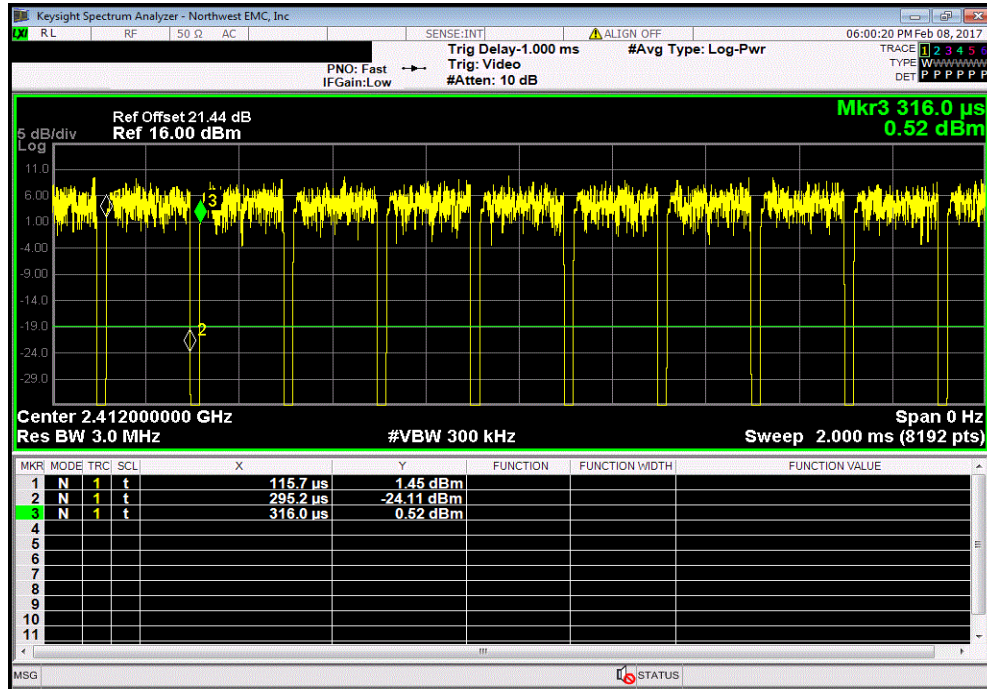


DUTY CYCLE

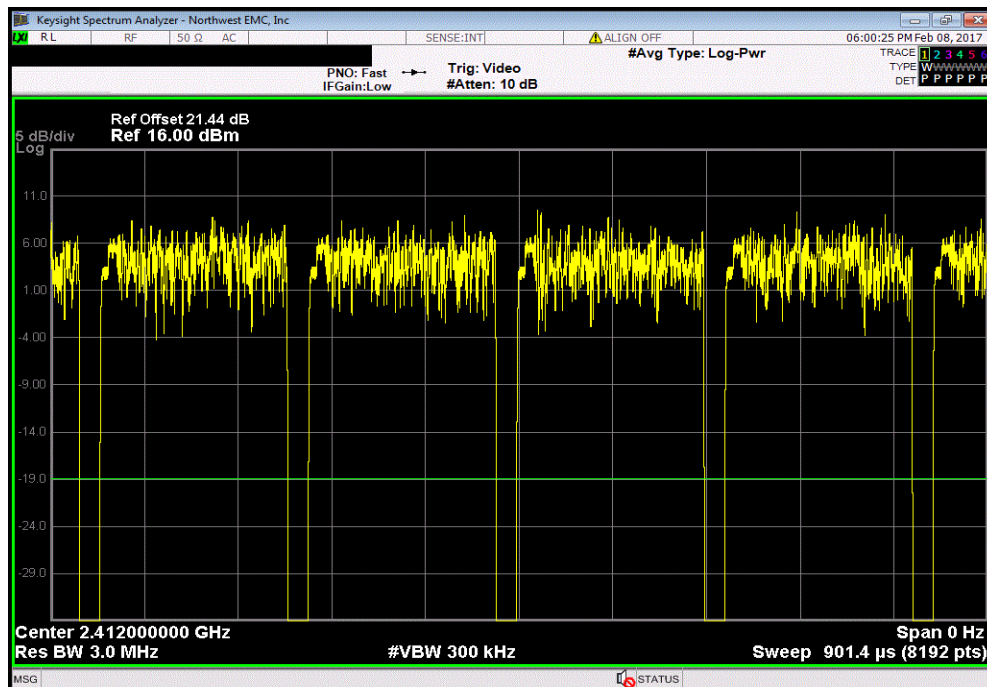


NwTx 2016.09.14.2 XMI 2017.01.26

Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Low Channel 1, 2412 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
179.5 μ s	200.3 μ s	1	89.6	N/A	N/A	



Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Low Channel 1, 2412 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
N/A	N/A	6	N/A	N/A	N/A	

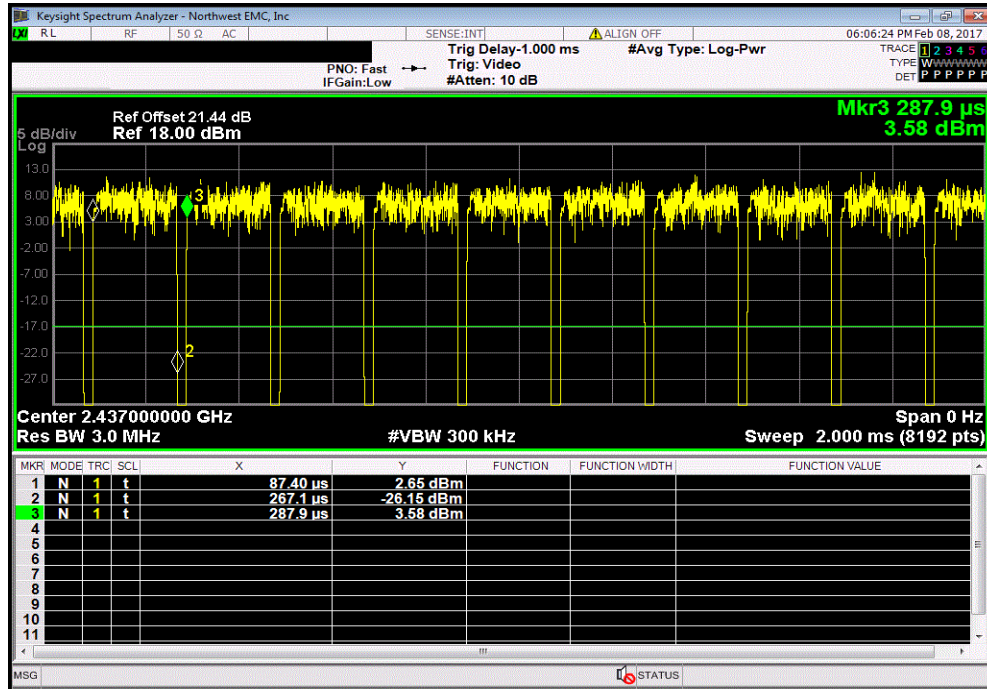


DUTY CYCLE

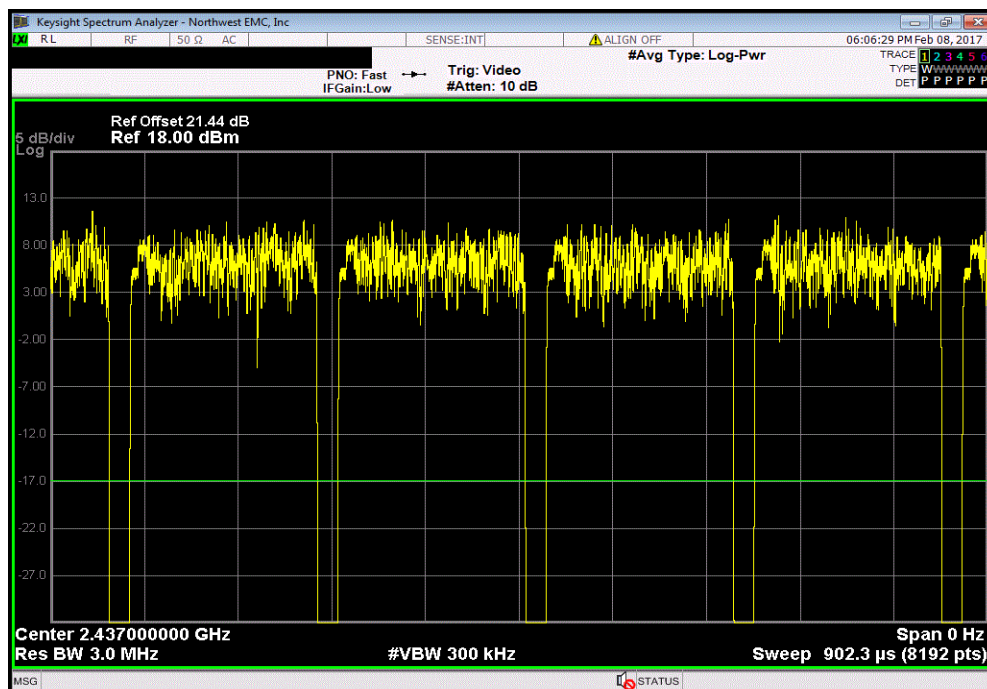


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Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Mid Channel 6, 2437 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
179.7 μ s	200.5 μ s	1	89.6	N/A	N/A	



Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Mid Channel 6, 2437 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
N/A	N/A	6	N/A	N/A	N/A	

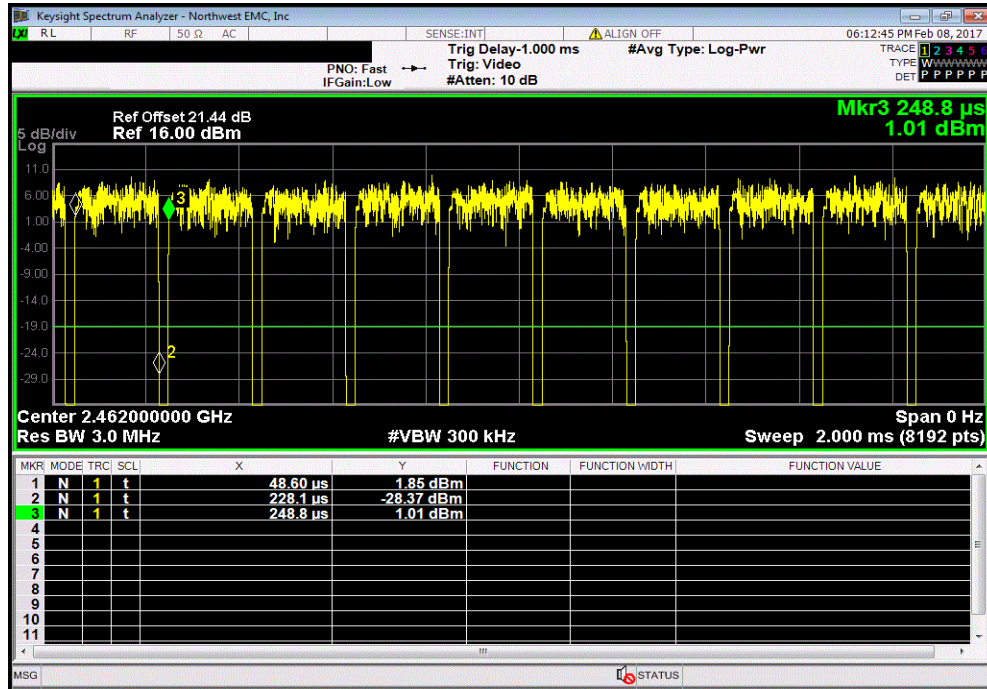


DUTY CYCLE

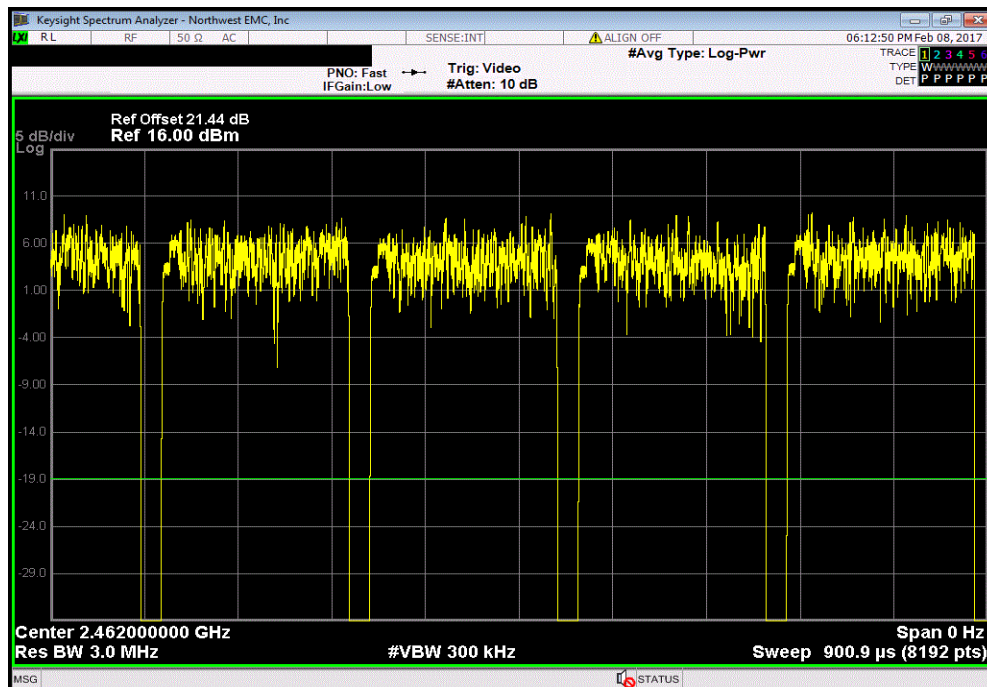


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Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, High Channel 11, 2462 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
179.5 μ s	200.2 μ s	1	89.7	N/A	N/A	



Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, High Channel 11, 2462 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
N/A	N/A	5	N/A	N/A	N/A	

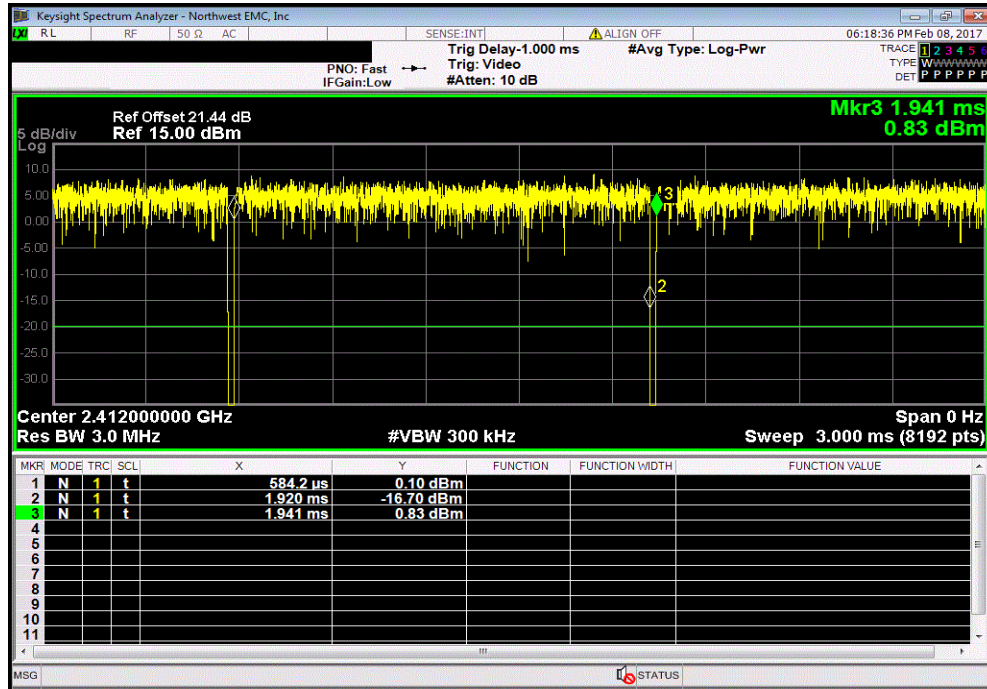


DUTY CYCLE

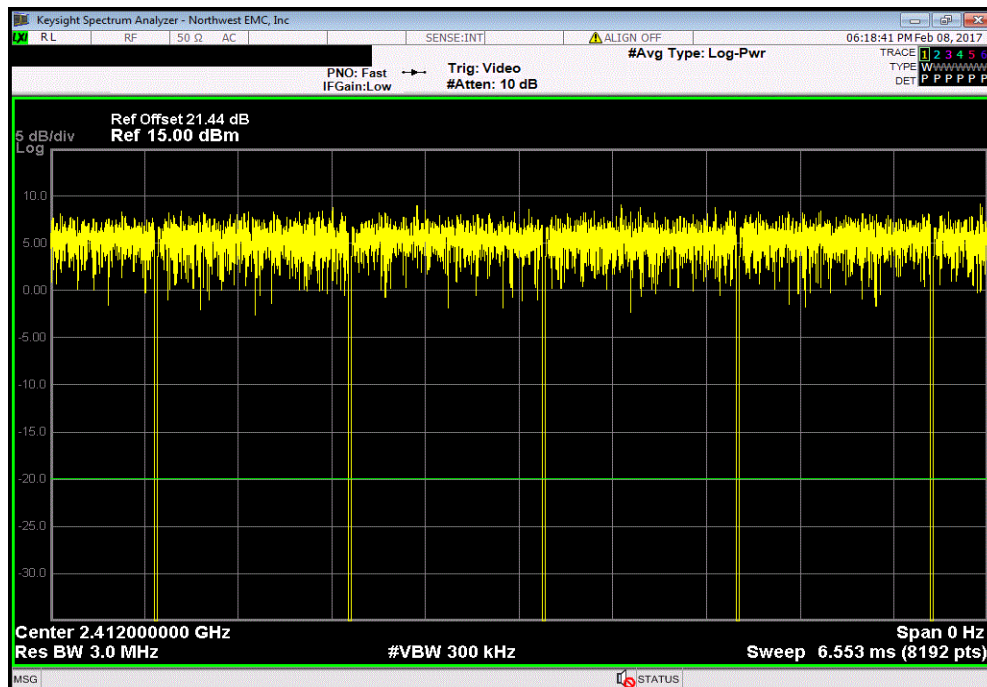


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Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, Low Channel 1, 2412 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
1.336 ms	1.357 ms	1	98.5	N/A	N/A	



Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, Low Channel 1, 2412 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
N/A	N/A	6	N/A	N/A	N/A	

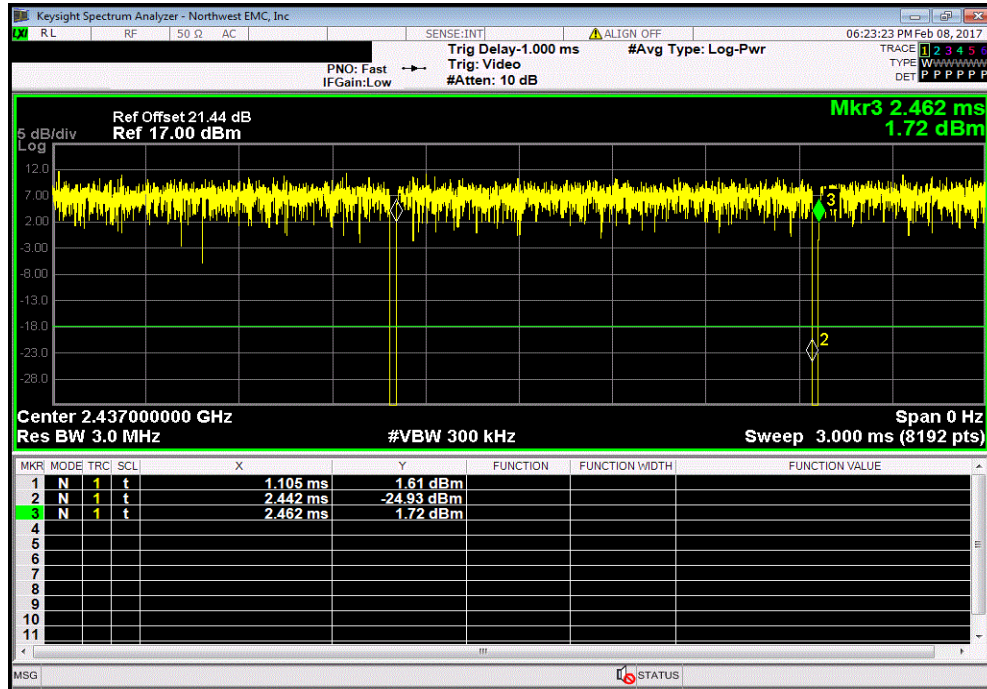


DUTY CYCLE

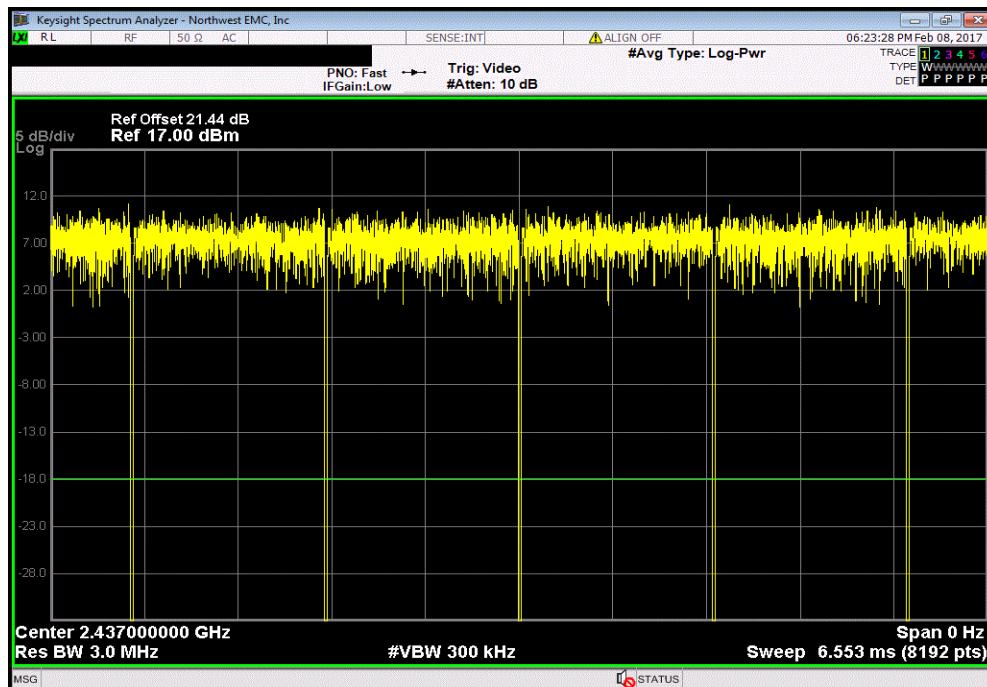


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Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, Mid Channel 6, 2437 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
1.336 ms	1.357 ms	1	98.5	N/A	N/A	



Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, Mid Channel 6, 2437 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
N/A	N/A	6	N/A	N/A	N/A	

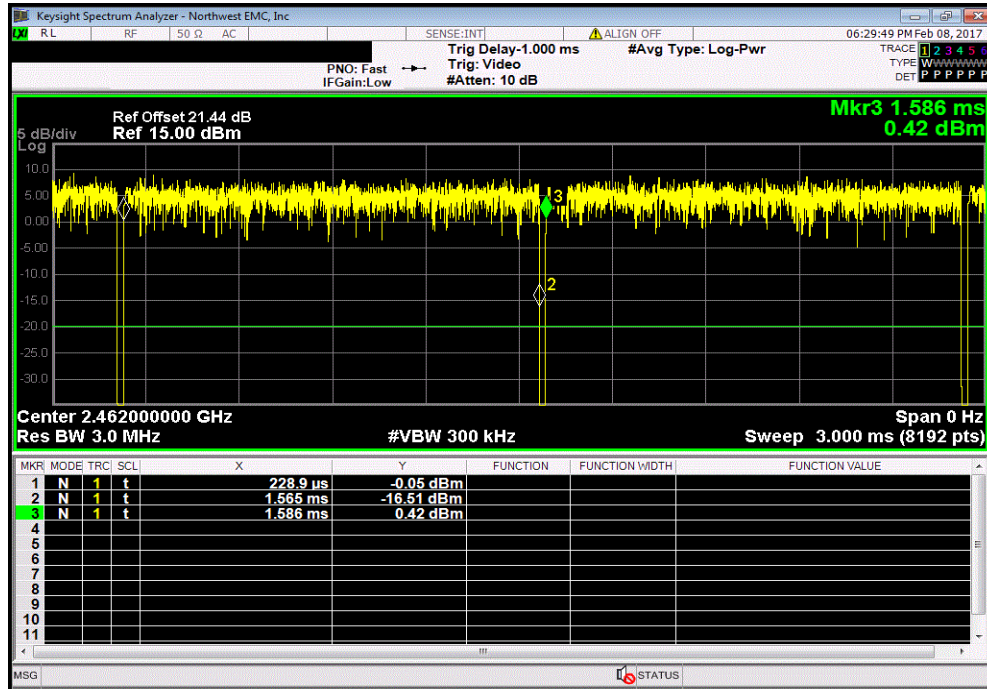


DUTY CYCLE

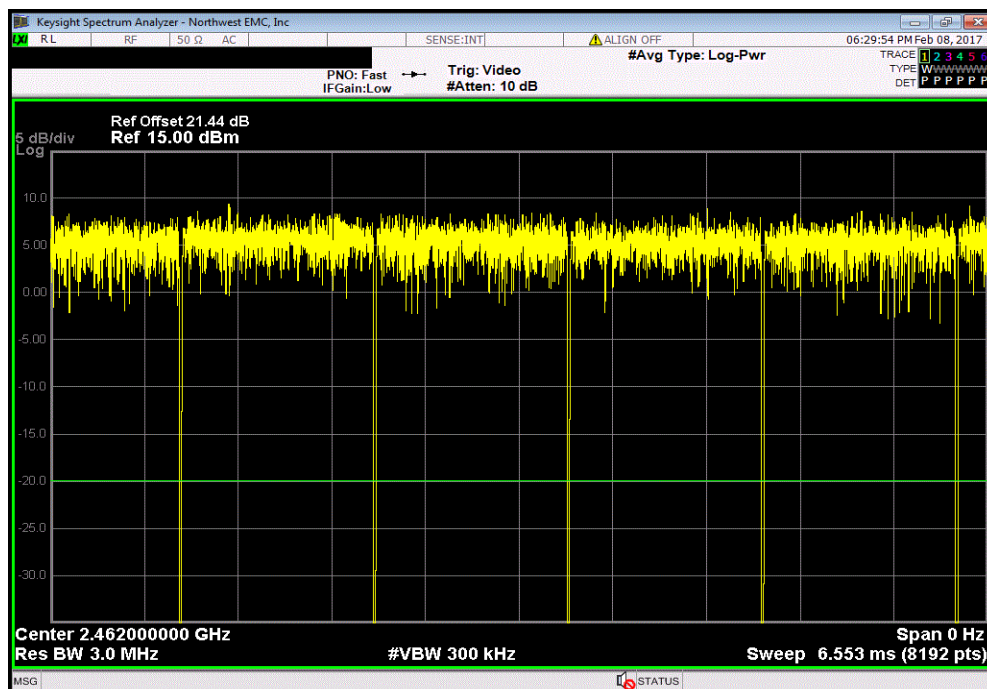


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Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, High Channel 11, 2462 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
1.336 ms	1.357 ms	1	98.5	N/A	N/A	



Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, High Channel 11, 2462 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
N/A	N/A	6	N/A	N/A	N/A	

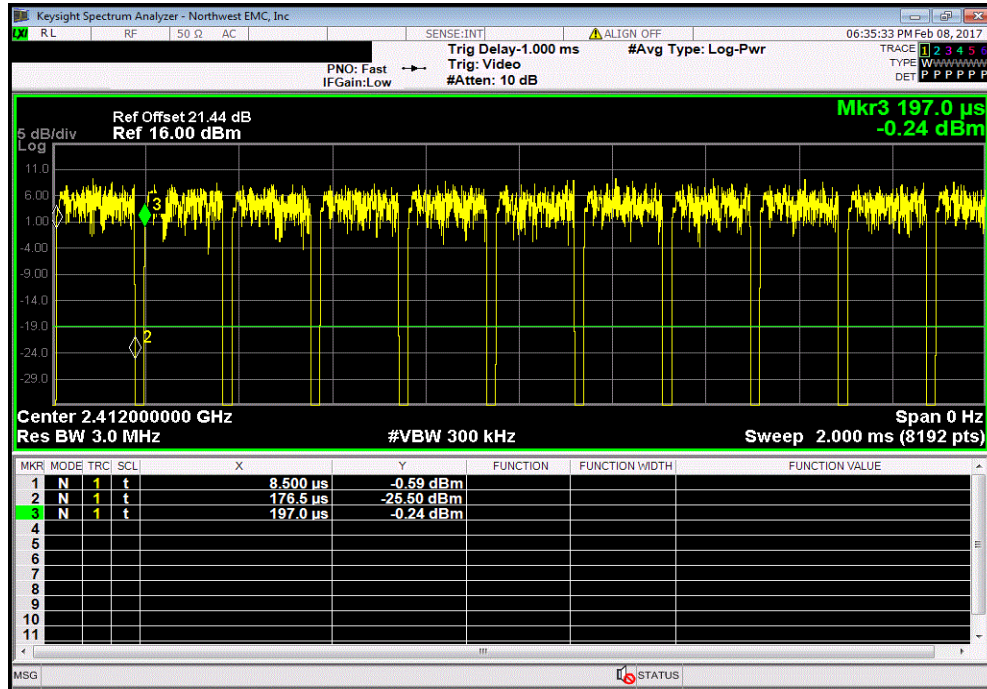


DUTY CYCLE

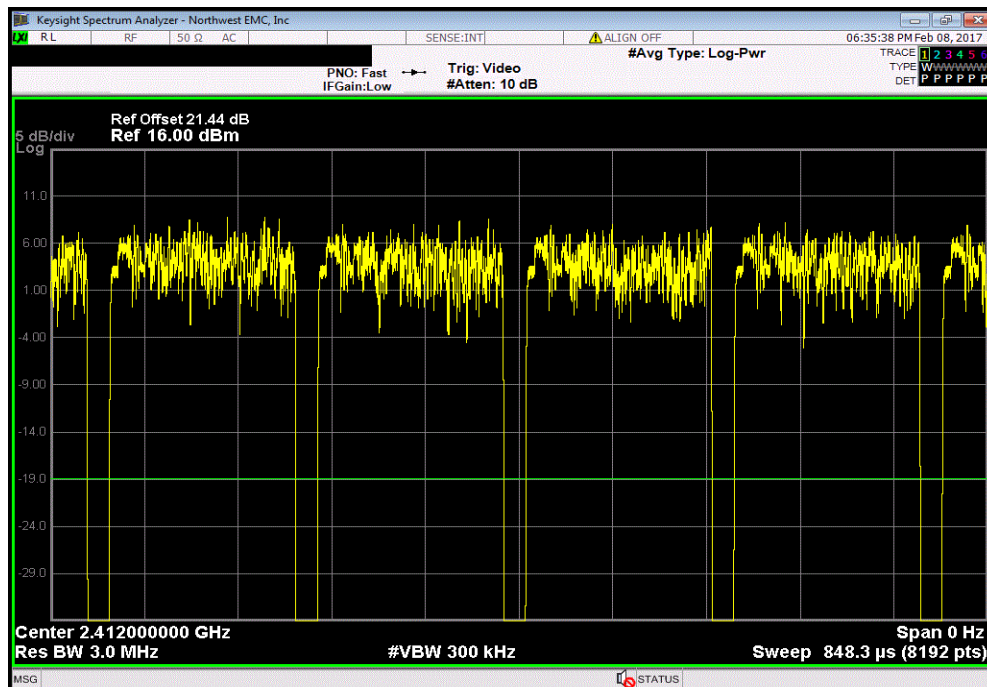


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Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, Low Channel 1, 2412 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
168 us	188.5 us	1	89.1	N/A	N/A	



Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, Low Channel 1, 2412 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
N/A	N/A	6	N/A	N/A	N/A	

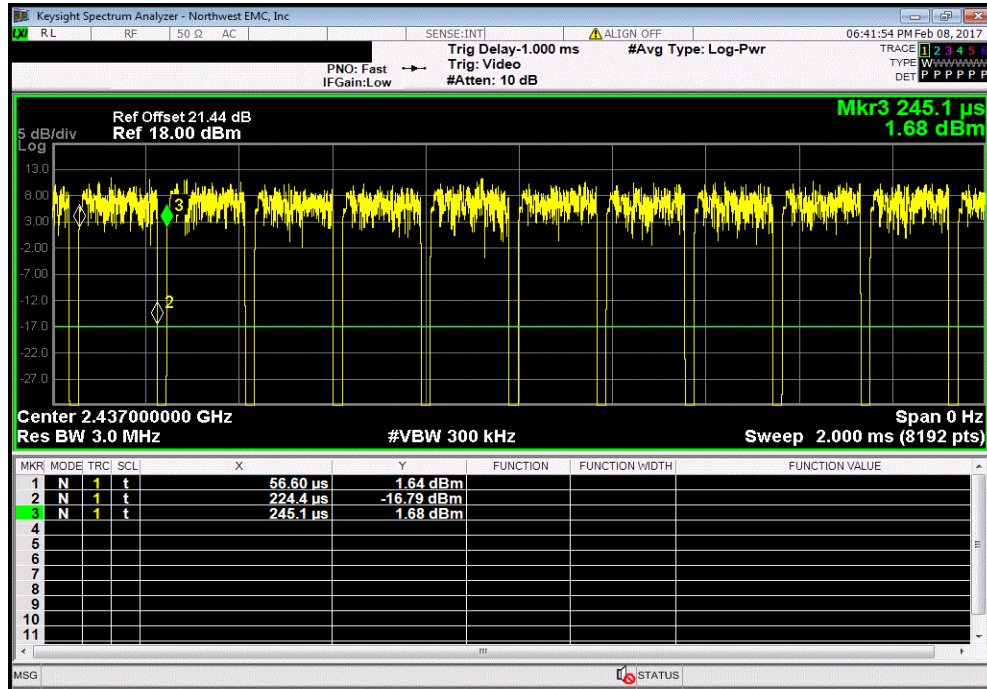


DUTY CYCLE

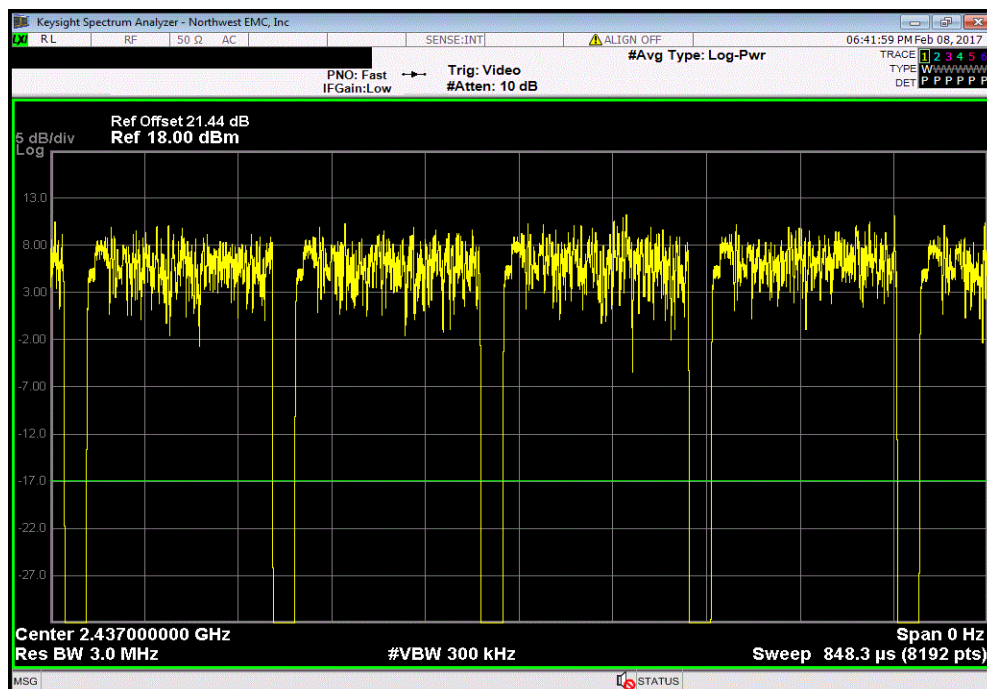


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Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, Mid Channel 6, 2437 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
167.8 us	188.5 us	1	89	N/A	N/A	



Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, Mid Channel 6, 2437 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
N/A	N/A	6	N/A	N/A	N/A	

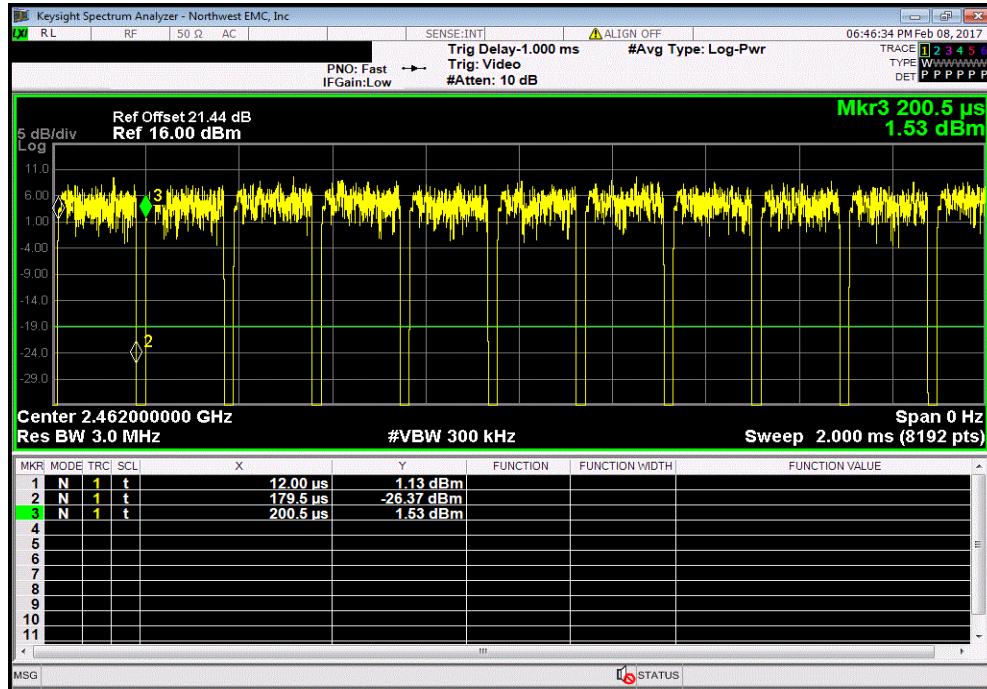


DUTY CYCLE



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Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, High Channel 11, 2462 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
167.5 μ s	188.5 μ s	1	88.9	N/A	N/A	



Antenna A1, 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, High Channel 11, 2462 MHz						
Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results	
N/A	N/A	6	N/A	N/A	N/A	

